WKE

FEB 2018

PROJECT ID: 1035-04-71

WITH: N/A

COUNTY: RACINE

ORDER OF SHEETS

Section No.	1	Title
Section No.	2	Typical Sections and Details
Section No.	3	Estimate of Quantities
Section No.	3	Miscellaneous Quantities
~~Section No.~~	~~4~~	~~Right of Way Plat~~
Section No.	5	Plan and Profile
Section No.	6	Standard Detail Drawings
Section No.	7	Sign Plates
~~Section No.~~	~~8~~	~~Structure Plans~~
Section No.	9	Computer Earthwork Data
Section No.	9	Cross Sections

TOTAL SHEETS = 586

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED IMPROVEMENT

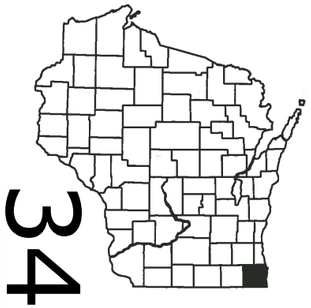
N-S FREEWAY KEN&RAC WORK ZONE PREP

STH 142 TO CTH G

IH 41
RACINE COUNTY

STATE PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
1035-04-71	WISC 2018170	1

STATE PROJECT NUMBER
1035-04-71



34

N

DESIGN DESIGNATION

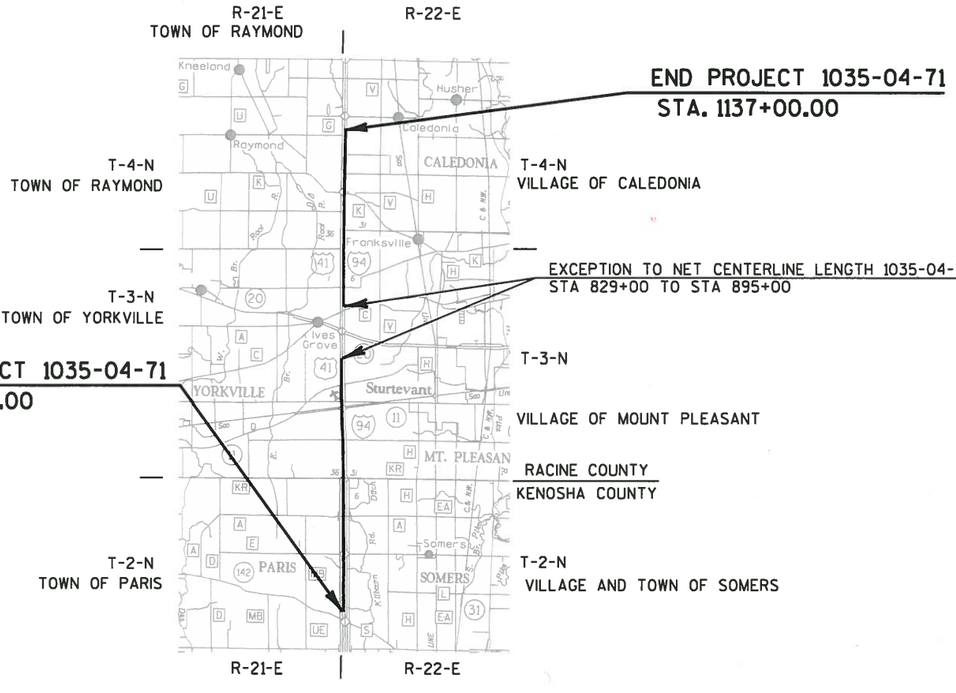
	IH 41
A.A.D.T. 2016 =	88,300
A.A.D.T. 2038 =	103,800
D.H.V. =	8,700
D.D. =	0.5
T. =	17.0%
DESIGN SPEED =	70 MPH
ESALS =	46,548,706

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



LAYOUT
SCALE 0 1.0 MI.

TOTAL NET LENGTH OF CENTERLINE = 11.080 MI.

WITHIN RACINE COUNTY, COORDINATES ON THIS PLAN ARE REFERENCED TO THE WISCONSIN COUNTY COORDINATE SYSTEM (WCCS), RACINE COUNTY, NAD 1983(97)

WITHIN KENOSHA COUNTY, COORDINATES ON THIS PLAN ARE REFERENCED TO THE WISCONSIN COUNTY COORDINATE SYSTEM (WCCS), KENOSHA COUNTY, NAD 1983(97)

ELEVATIONS SHOWN ON THIS PLAN ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (91) (NAVD 88 (91)).

ORIGINAL PLANS PREPARED BY

SEDW
SOUTHEAST DESIGN WORKS

WISCONSIN PROFESSIONAL ENGINEER
JAMES A. BUGGS
E-29149
WAUKESHA
WIS.

12-1-17 (Date) (Signature)

WISCONSIN PROFESSIONAL ENGINEER
CHRISTOPHER C. DRY
E-42036-6
MADISON
WI

12-1-17 (Date) (Signature)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PREPARED BY

Surveyor	WISDOT
Designer	SE DESIGNWORKS
Project Manager	FRANK PRITZLAFF
Regional Examiner	
Regional Supervisor	MANOJOY NAG

APPROVED FOR THE DEPARTMENT

DATE: 12-1-17 (Signature)

E

FILE NAME : P:\44xx\4444_DP.I94.RAC\Racine\CADDS\WZ Prep_142-G\CDS\010101_ti.dgn

PLOT DATE : 11/18/2017 PLOT BY : kjd PLOT NAME : PLOT SCALE : 1:10560

WISDOT/CADDS SHEET 10

TO OBTAIN LOCATION OF PARTICIPANS' 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

AT&T CORPORATION
C/O KEN NINE
JMC ENGINEERS & ASSOCIATES, INC.
110 NORTH MAIN STREET
CULVER, IN 46511
PHONE: (574) 842-8830
CELL: (574) 904-6336
kennethnine@att.net

AT&T MOBILITY
EDDIE RIVERA
930 NATIONAL PARKWAY
SCHAUMBURG, IL 60173
CELL: (331) 625-2357
er317h@att.com

AT&T WISCONSIN
MARK EDER
AT&T WISCONSIN
2005 PEWAUKEE RD
WAUKESHA, WI 53188-2443
PHONE: (262) 896-7434
me1754@att.com

CALEDONIA UTILITY DISTRICT
BOB LUI
6922 NICHOLSON ROAD
CALEDONIA, WI 53108
PHONE: (262) 681-3900

CHARTER COMMUNICATIONS
STEVE CRAMER, UTILITY COORDINATOR
1320 N. MARTIN LUTHER KING JR. DRIVE
MILWAUKEE, WI 53212
PHONE: (414) 277-4045
CELL: (414) 688-2385
steve.cramer@charter.com
wis.engineering@charter.com

MOUNT PLEASANT STORM WATER DISTRICT 1
ANTHONY BEYER
6126 DURAND AVE
RACINE, WI 53406
PHONE: (262) 664-7849
CELL: (262) 664-7801
tbeyer@mtpleasantwi.gov

AMERICAN TRANSMISSION COMPANY
IVAN KELLER
W234 N2000 RIDGEVIEW PARKWAY COURT
WAUKESHA, WI 53188
PHONE: (262) 506-6773
ikeller@atcllc.com

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

WE ENERGIES - ELECTRIC
SEND ALL CORRESPONDENCE TO:
DAN SANDE
333 W. EVERETT STREET - A299
MILWAUKEE, WI 53203

PHONE: 414-221-4578
CELL: 414-550-4993
Dan.Sande@we-energies.com

CONSTRUCTION FIELD CONTACT:
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 OPERATIONS
SEND ALL CORRESPONDENCE TO:
DAN SANDE
333 W. EVERETT STREET - A299
MILWAUKEE, WI 53203
PHONE: 414-221-4578
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CONSTRUCTION FIELD CONTACT:
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FRONTIER NORTH (VERIZON)
RUSS RYAN
107 PLEASANTVIEW DRIVE
PLYMOUTH, WI 53073
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CELL: 920-737-9662
russell.w.ryan@ftr.com

ANR PIPELINE COMPANY
LARRY HUBER
W3925 PIPELINE LANE
EDEN, WI 53019
PHONE: (920) 477-2235 EXT. 13
FAX: (920) 477-2240
lawrence.huber@elpaso.com

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

WINDSTREAM
c/o JAMES KOSTUCH
NORTHWIND TECHNICAL SERVICES
6070 N. FLINT ROAD
GLENDALE, WI 53209
PHONE: (414) 651-2863
J.KOSTUCH@northwindtech.com

YORKVILLE SEWER UTILITY DISTRICT NO. 1
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925 15TH AVENUE
PO BOX 15
UNION GROVE, WI 53182
PHONE: (262) 888-9439
yorkville_sewer@yahoo.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
brahim. gaddour@level3.com
relo@level3 com

WISDOT SIGNALS
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141 NW BARSTOW STREET
WAUKESHA, WI 53187
PHONE: (262) 521-5356
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WEST ALLIS, WI 53214
PHONE: (414) 266-1170

WISDOT STOC
JEFF MADSON
WISDOT STOC
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jeffrey.madson@dot.wi.gov

WISDOT LIGHTING
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141 NW BARSTOW STREET
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CELL: (414) 750-0935
eric.perea@dot.wi.gov

WISDOT ATR
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TRAVEL SURVEYS SHOP
3633 PIERSTORFF STREET
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jane.oldenburg@dot.wi.gov

WISDOT RWIS
MICHAEL ADAMS
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Michael.adams@dot.wi.gov

STATE AGENCIES

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gregory.berry@dot.wi.gov

WISCONSIN DEPARTMENT OF NATURAL RESOURCES (KENOSHA)
CRAIG WEBSTER
DNR SERVICE CENTER
141 NW BARSTOW STREET ROOM 180
WAUKESHA, WI 53187
PHONE: (262) 574-2141
craig.webster@wisconsin.gov

WISCONSIN DEPARTMENT OF NATURAL RESOURCES
KRISTINA BETZOLD
DNR SOUTHEAST REGION HQ
2300 N. DR. MARTIN LUTHER KING JR. DR.
MILWAUKEE, WI 53212
PHONE: (414) 263-8517
kristina.betzold@wisconsin.gov

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

OTHER AGENCIES

VILLAGE OF CALEDONIA
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6922 NICHOLSON ROAD
CALEDONIA, WI 53108
PHONE: (262) 835-6416

KENOSHA COUNTY PUBLIC WORKS
RAY ARBET
19600 75TH STREET
PO BOX 609
BRISTOL, WI 53104-0609
PHONE: (262) 857-1870

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

SOMERS, TOWN OF
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SOMERS, WI 53171
PHONE: (262) 859-2822
gsmith@somers.org

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

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nathan.plunkett@racinecounty.com

PARIS, TOWN OF
TERI FONK
16607 BURLINGTON ROAD
UNION GROVE, WI 53182
PHONE: (262) 859-3006
townofparis@clsurf.com

SYLVANIA AIRPORT
AERIS AVIATION, LLC.
2624 SOUTH SYLVANIA AVENUE
STURTEVANT, WI 53177
PHONE: (888) 882-3747
fly@aerisaviation.com

TOWN OF RAYMOND
LINDA TERRY
2255 S. 76TH STREET
FRANKSVILLE, WI 53126
PHONE: (262) 835-4426

SE DESIGNWORKS
BRIAN WILSON
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PHONE: (414) 347-1607
bwilson@emcsinc.com

JOSHUA MOUNT
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MILWAUKEE, WI 53202
PHONE: (414) 225-9817
joshua.mount@daarcorp.com

ORDER OF SECTION 2 DETAIL SHEETS

GENERAL NOTES
PROJECT OVERVIEW
TYPICAL SECTIONS
CONSTRUCTION DETAILS
EROSION CONTROL
STORM SEWER
FTMS
EXISTING AND PERMANENT SIGNING
STAGE CONSTRUCTION
TRAFFIC CONTROL
ALIGNMENT PLANS
PLAN

2

GENERAL NOTES

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

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

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

THE CONTRACTOR MUST CONTACT THE PROJECT ENGINEER AND SEWRPC (JOHN WASHBURN) AT LEAST TWO WEEKS PRIOR TO WORK NEAR ANY PUBLIC SURVEY MONUMENT.

ALL HOLES OR OPENINGS BELOW SUBGRADE RESULTING FROM ABANDONMENT OR REMOVAL OF EXISTING STRUCTURES SHALL BE FILLED WITH GRANULAR BACKFILL AS DIRECTED BY THE ENGINEER.

WHEN THE QUANTITY OF HMA PAVEMENT OR BASE AGGREGATE IS MEASURED FOR PAYMENT BY THE TON, THE DEPTH OR THICKNESS OF THE LAYER SHOWN ON THE PLAN IS APPROXIMATE AND THE ACTUAL THICKNESS WILL DEPEND ON THE DISTRIBUTION OF THE MATERIAL AS DIRECTED BY THE ENGINEER.

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

PROVIDE TEMPORARY POSITIVE DRAINAGE ON THE NEWLY INSTALLED STORM SEWER SYSTEM UNTIL IT IS ABLE TO EFFECTIVELY DRAIN TO ITS INTENDED OR PLANNED OUTFALL. ANY WORK REQUIRED TO COMPLETE THIS DRAINAGE IS INCIDENTAL TO THE BID ITEMS FOR STORM SEWER.

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

REINFORCED CONCRETE APRON ENDWALLS AND ADJOINING TWO SECTIONS OF CONCRETE PIPE SHALL BE TIED TOGETHER AS SHOWN ON THE STANDARD DETAIL DRAWINGS AND AS LOCATED IN THE MISCELLANEOUS QUANTITIES. JOINT TIES SHALL BE INCIDENTAL ITEMS INCLUDED IN THE COST OF THE CONCRETE PIPE.

THE QUANTITY OF 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.

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

CROSS SECTIONS SHOWN INCLUDE THE THICKNESS OF TOPSOIL WHERE REQUIRED. SALVAGED 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.

USE CLASS I URBAN TYPE B EROSION MAT ADJACENT TO DISTURBED WETLANDS. DO NOT INSTALL CLASS I URBAN TYPE B EROSION MAT IN WATER.

ASPHALTIC AND CONCRETE SURFACES SHALL BE SAWCUT AT THE MATCH LINE AS SHOWN ON THE PLAN OR AS DIRECTED BY THE ENGINEER.

FILLING AGAINST EXISTING BARRIER MUST BE APPROVED BY THE ENGINEER IN THE FIELD. IF APPROVED BY THE ENGINEER, FILL MAY NOT EXCEED A HEIGHT OF 1.75' WITH A SLOPE OF 2:1 OR A HEIGHT OF 1.25' WITH A SLOPE OF 1.5:1. FILLING AGAINST THE EXISTING BARRIER WITH LESS THAN A 1.5:1 SLOPE WILL NOT BE PERMITTED.

INLET PROTECTION REQUIRED AT ALL INLETS AS PER EROSION CONTROL PLANS OR AS DIRECTED BY THE ENGINEER.

FERTILIZER SHALL NOT BE USED WITHIN 20 FEET OF NAVIGABLE WATERWAYS OR WETLANDS.

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

DISTURBED AREAS WITHIN THE RIGHT OF WAY, EXCEPT THE AREAS WITHIN THE FINISHED SHOULDER POINTS, SHALL BE RESTORED WITH TOPSOIL, FERTILIZER AND SEED AS DIRECTED BY THE ENGINEER. QUANTITIES FOR FINISHING ITEMS INCLUDE RESTORATION EXTENDING 3 FEET BEYOND THE SLOPE INTERCEPT FOR ROUNDING.

LOCATIONS OF DRAINTILE ON THE PLAN ARE BASED ON AS-BUILT OR PROPERTY OWNER INTERVIEWS. DRAINTILE EXPLORATION ITEM IS TO BE USED TO VERIFY THE EXACT SIZE AND LOCATION.

A CONVERSION FACTOR OF 2.10 TONS/CY IS USED TO ESTIMATE QUANTITIES FOR BASE AGGREGATE DENSE.

A CONVERSION FACTOR OF 1.80 TONS/CY IS USED TO ESTIMATE QUANTITIES FOR SELECT CRUSHED MATERIAL.

A CONVERSION FACTOR OF 115 LB/SY/IN IS USED TO ESTIMATE QUANTITIES FOR HMA PAVEMENT

FOR SECTION CORNER REPLACEMENT CONTACT JOHN WASHBURN WITH SEWRPC AT 414-218-2866 OR JWASHBURN@SEWRPC.ORG. CONTACT SHALL BE MADE A MINIMUM OF TWO WEEKS BEFORE STARTING CONSTRUCTION OPERATIONS.

THESE PLANS SHOW UTILITY FACILITIES EXISTING AT THE TIME OF THE ORIGINAL SURVEY IN 2011. FACILITIES INSTALLED/ADJUSTED AFTER THIS ARE ADDRESSED IN THE SPECIAL PROVISIONS.

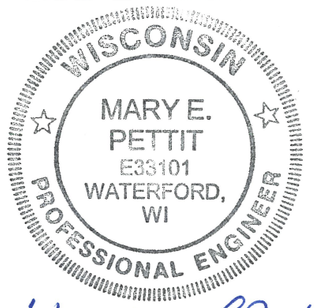
ALL TYPES OF HMA PAVEMENT SHALL BE CONSTRUCTED WITH THE FOLLOWING LAYERS AND GRADATIONS:

	PAVEMENT TYPE	TOTAL LAYER PAVEMENT THICKNESS	LAYERS	NORMAL MAXIMUM SIZE GRADATION
(A)	ASPHALTIC SURFACE TEMPORARY	1.5"	1.5" MINIMUM UPPER LAYER	9.5 MM
(B)	3 MT 58-28 S 3 MT 58-28 S 3 MT 58-28 S	7.5"	2" UPPER 2¾" UPPER LOWER 2¾" LOWER LOWER	12.5 MM 19.0 MM 19.0 MM
	ASPHALTIC SURFACE TEMPORARY	5"	5" UPPER LAYER	25.0 MM

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 CONSTRUCTION LINE
CONC	CONCRETE
CP	CULVERT PIPE
CPCM	CULVERT PIPE CORRUGATED METAL
CPRC	CULVERT PIPE REINFORCED CONCRETE
CSD	CONCRETE SURFACE DRAIN
CY	CUBIC-YARD
D	DEGREE OF CURVE
△	DELTA
DISCH	DISCHARGE
EL	ELEVATION
ESTR	EXISTING SIGN TO REMAIN
FE	FIELD ENTRANCE
FMS	FIXED MESSAGE SIGN
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
PGL	PROFILE GRADE LINE
PI	POINT OF INTERSECTION
PLE	PERMANENT LIMITED EASEMENT
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
RT	RIGHT
SALV	SALVAGED
SB	SOUTHBOUND
SDD	STANDARD DETAIL DRAWING
SE	SUPER ELEVATION
SF	SQUARE FOOT
SSPRC	STORM SEWER PIPE REINFORCED CONCRETE
SSPRCHE	STORM SEWER PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL
STA	STATION
SY	SQUARE YARD
T	TANGENT LENGTH
TLE	TEMPORARY LIMITED EASEMENT
TYP	TYPICAL
VCL	VERTICAL CURVE LENGTH
VPC	POINT OF VERTICAL CURVE
VPI	POINT OF VERTICAL INTERSECTION
VPT	POINT OF VERTICAL TANGENT

GRAEF



12/1/17 (Date) (Signature)

RESPONSIBLE FOR:
STH 142 TO CTH E
CTH E TO CTH KR
- PLANS
- EARTHWORK
- CROSS SECTIONS

KAPUR & ASSOCIATES
CONSULTING ENGINEERS
414.751.7200



12/1/17 (Date) (Signature)

RESPONSIBLE FOR:
STH 142 TO CTH E
CTH E TO CTH KR
- EROSION CONTROL
- ALIGNMENTS

ch2m.
MILWAUKEE, WISCONSIN



12/1/2017 (Date) (Signature)

RESPONSIBLE FOR:
CTH E INTERCHANGE
- EROSION CONTROL
- ALIGNMENTS
- PLANS
- EARTHWORK
- CROSS SECTIONS

BLOOM
COMPANIES, LLC
Infrastructure Innovation and Ingenuity



12/1/2017 (Date) (Signature)

RESPONSIBLE FOR:
CTH K INTERCHANGE
- EROSION CONTROL
- ALIGNMENTS
- PLANS
- EARTHWORK
- CROSS SECTIONS

SEDW
SOUTHEAST DESIGN WORKS

SEALED ON TITLE SHEET

RESPONSIBLE FOR:
STH 142 TO CTH G
- TYPICAL SECTIONS
- CONSTRUCTION DETAILS
- TRAFFIC CONTROL

RESPONSIBLE FOR:
CTH KR TO CTH K
CTH K TO CTH G
- EROSION CONTROL
- STORM SEWER
- ALIGNMENTS
- PLANS
- EARTHWORK
- CROSS SECTIONS

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	GENERAL NOTES	SHEET 4	E

2

2

N

TOWN OF
PARIS

BEGIN CONSTRUCTION
STA 477+00.00

SECTION LINE

TEMPORARY
WIDENING

WEST FRONTAGE ROAD

CTH E

TEMPORARY
WIDENING

TEMPORARY
WIDENING

TEMPORARY
WIDENING

450

500

550

IH 94

MEDIAN
CROSSOVER

EAST FRONTAGE ROAD

MEDIAN
CROSSOVER

BEGIN PROJECT
I.D. 1035-04-71
STA. 486+00.00

SECTION LINE

STH 142

SECTION LINE

VILLAGE & TOWN OF
SOMERS

SECTION LINE

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	PROJECT OVERVIEW	SHEET 5	E

FILE NAME : P:\44xx\4444_DP.I94.RAC\Racine\CADDS\WZ Prep_142-G\CDS\020201_po.dgn | PLOT DATE : 11/28/2017 | PLOT BY : kjd | PLOT NAME : | PLOT SCALE : 1:1000

WISDOT/CADDS SHEET 42

2

2

N

TOWN OF
PARIS

KENOSHA COUNTY

RACINE COUNTY

TOWN OF
YORKVILLE

7TH ST

SECTION LINE

600

650

IH 94

TEMPORARY
WIDENING

WEST FRONTAGE ROAD

700

BRAUN ROAD

TEMPORARY
WIDENING

EAST FRONTAGE ROAD

SECTION LINE

CTH KR

SECTION LINE

VILLAGE & TOWN OF
SOMERS

SECTION LINE

VILLAGE OF
MT. PLEASANT

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	PROJECT OVERVIEW	SHEET 6	E

FILE NAME : P:\44xx\4444_DP.I94.RAC\Racine\CADDS\WZ Prep_142-G\CDS\020202_po.dgn PLOT DATE : 11/28/2017 PLOT BY : kjd PLOT NAME : PLOT SCALE : 1:1000

WISDOT/CADDS SHEET 42

2

2

N

SOO LINE RAILROAD CO. D.B.A. CANADIAN PACIFIC
(NO TRACKS)

TOWN OF
YORKVILLE

56TH RD.

LEETSBIR RD.

GRANDVIEW PKWY

END CONSTRUCTION
STA 841+50.00

GRANDVIEW PKWY

C.T.H. C

750

WEST FRONTAGE ROAD

IH 94

800

850

EAST FRONTAGE ROAD

ACCESS
ROAD B

LOUIS SORENSON RD.

SECTION LINE

MEDIAN
CROSSOVER

MEDIAN
CROSSOVER

58TH ROAD

STH 11

STH 20

KILBORN DR

VILLAGE OF
MT. PLEASANT

SECTION LINE

SECTION LINE

SECTION LINE

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	PROJECT OVERVIEW	SHEET 7	E

FILE NAME : P:\44xx\4444_DP.I94.RAC\Racine\CADDS\WZ Prep_142-G\CDS\020203_po.dgn PLOT DATE : 11/28/2017 PLOT BY : kjd PLOT NAME : PLOT SCALE : 1:1000

WISDOT/CADDS SHEET 42

2

2

N

TOWN OF YORKVILLE

TOWN OF RAYMOND

EVANS LN

50TH RD

2 MILE RD

NICHOLAS ROAD

3 MILE RD

GOLF RD

KRAUT RD

TEMPORARY WIDENING

TEMPORARY WIDENING

TEMPORARY WIDENING

TEMPORARY WIDENING

TEMPORARY WIDENING

900

950

IH 94

1000

1050

WEST FRONTAGE ROAD

EAST FRONTAGE ROAD

BEGIN CONSTRUCTION
STA 895+00.00

SECTION LINE

SECTION LINE

SECTION LINE

SECTION LINE

VILLAGE OF MT. PLEASANT

VILLAGE OF CALEDONIA

CTH K

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	PROJECT OVERVIEW	SHEET 8	E

FILE NAME : P:\44xx\4444_DP.I94.RAC\Racine\CADDS\WZ Prep_142-G\CDS\020204_po.dgn PLOT DATE : 11/28/2017 PLOT BY : kjd PLOT NAME : PLOT SCALE : 1:1000

WISDOT/CADDS SHEET 42

2

2

N

TOWN OF RAYMOND

CTH K

FUHRMAN DR

WEST FRONTAGE ROAD

1100

IH 94

EAST FRONTAGE ROAD

4 MILE RD

BELL RD

5 MILE RD

TEMPORARY WIDENING

SECTION LINE

SECTION LINE

SECTION LINE

END PROJECT
I.D. 1035-04-71
STA. 1137+00.00

END CONSTRUCTION
STA 1188+00.00

1150

1200

MEDIAN CROSSOVER

MEDIAN CROSSOVER

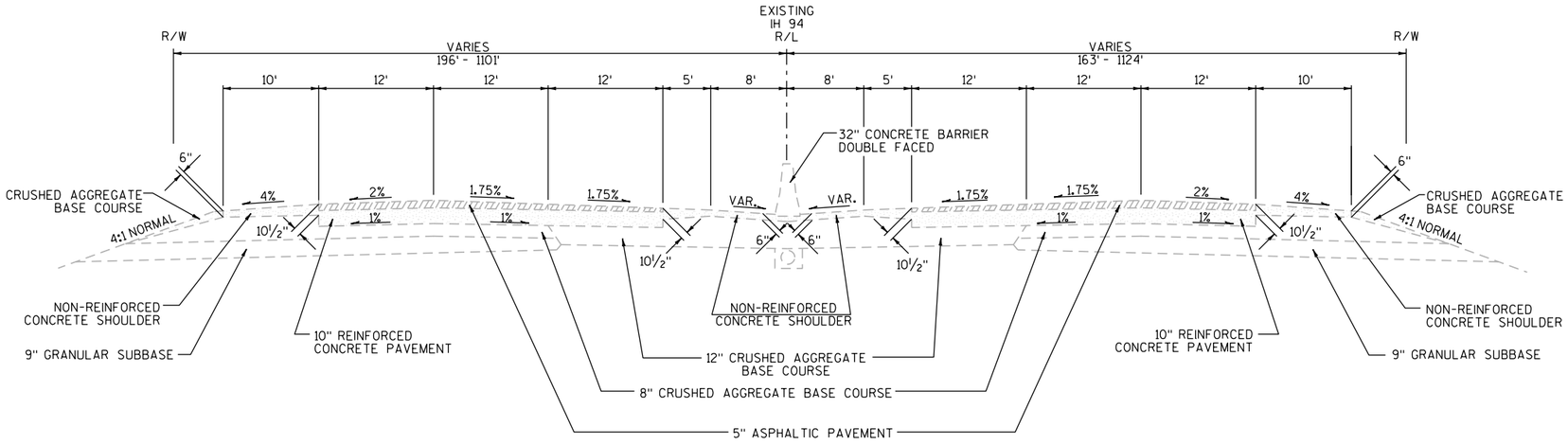
CTH G

SECTION LINE

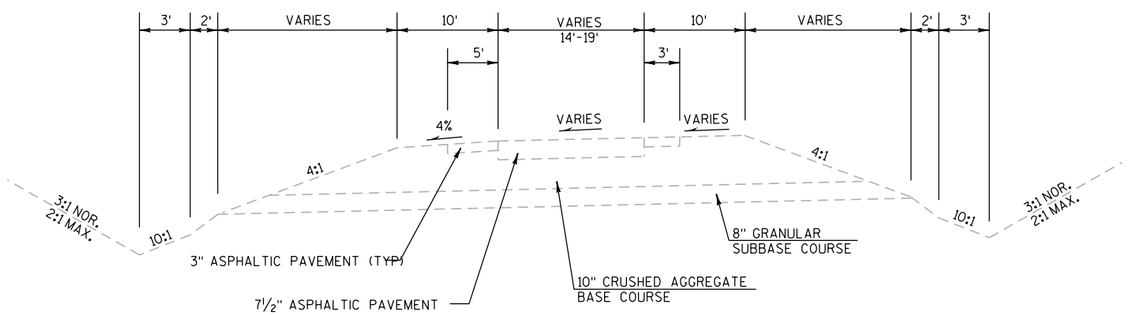
ADAMS RD

VILLAGE OF CALEDONIA

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	PROJECT OVERVIEW	SHEET 9	E

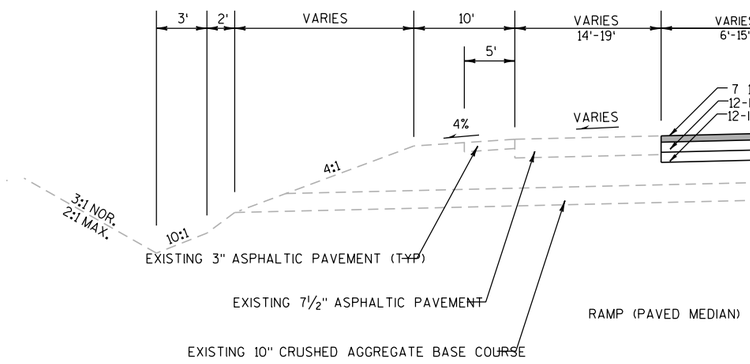


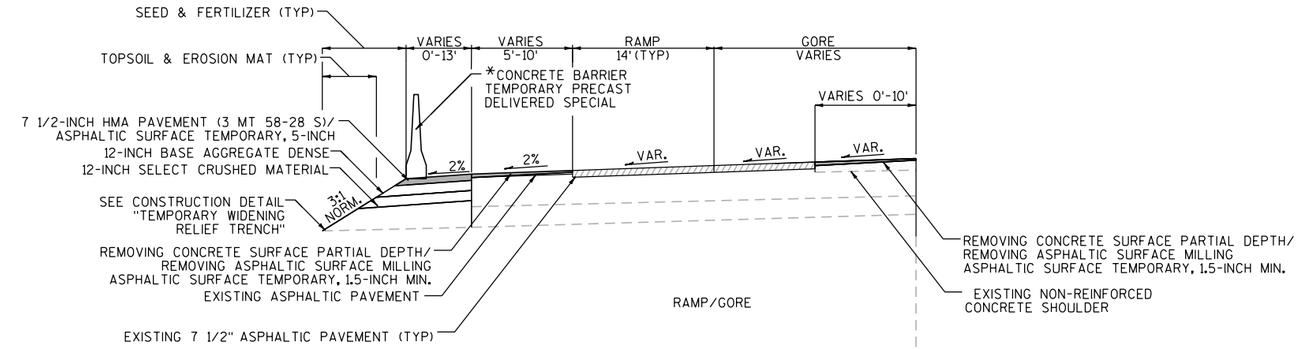
TYPICAL EXISTING SECTION
IH 94
STA 486+00 TO STA 1137+00

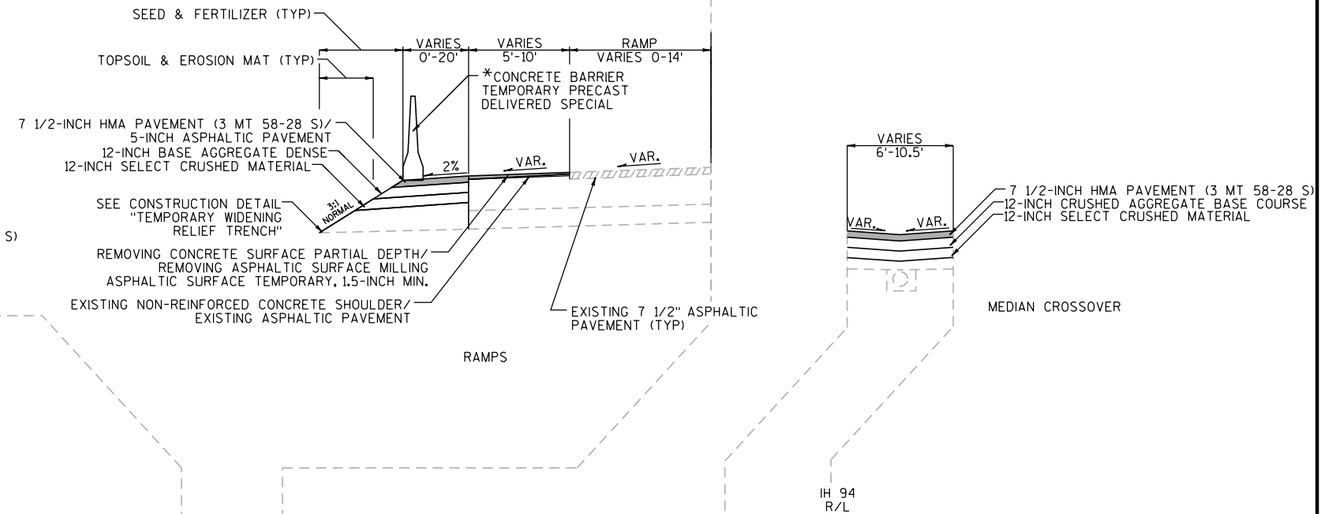


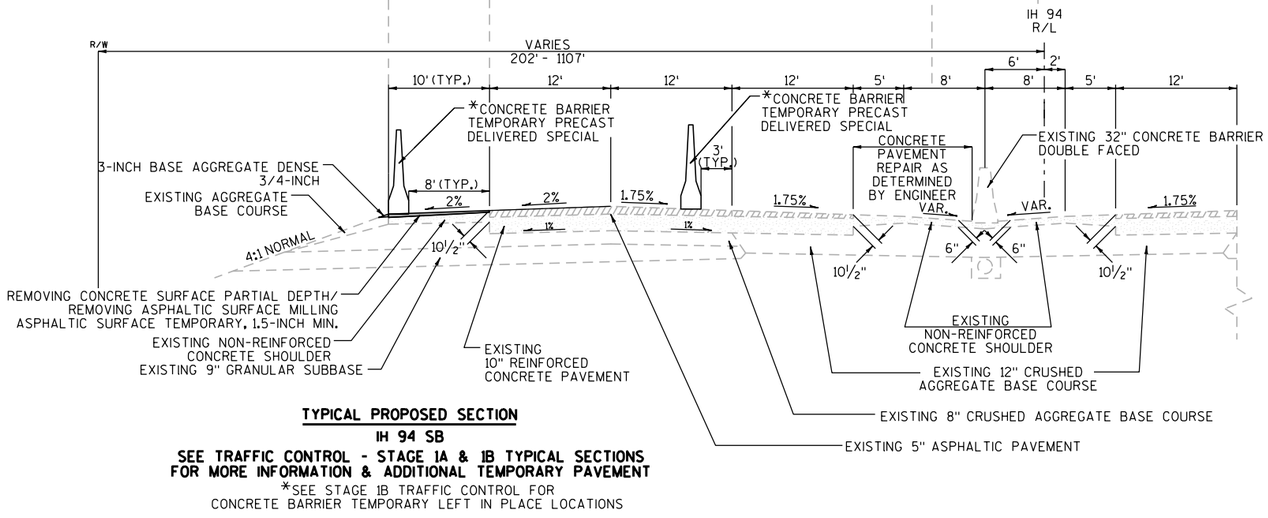
TYPICAL EXISTING SECTION
RAMPS

2









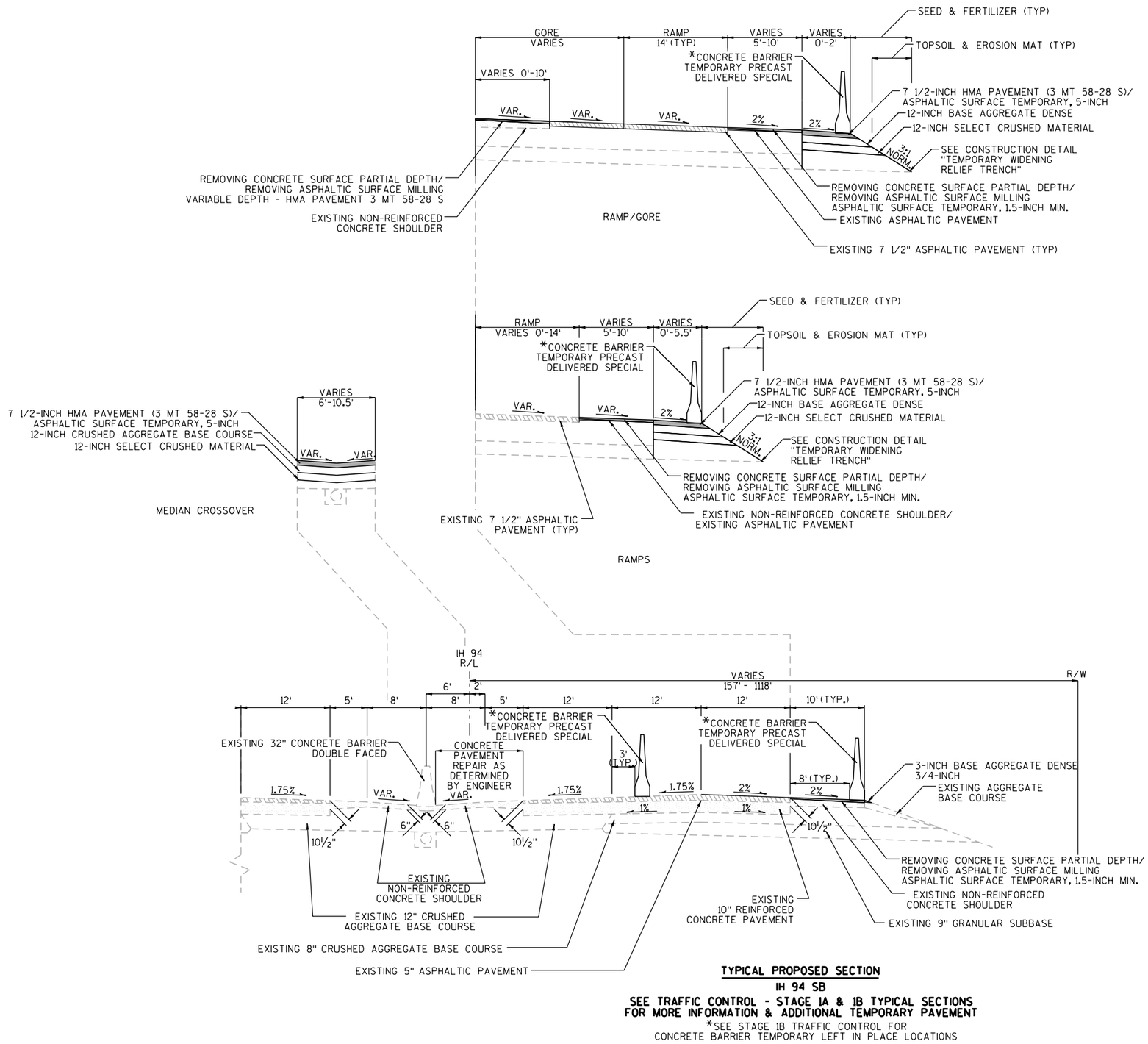
TYPICAL PROPOSED SECTION

IH 94 SB

SEE TRAFFIC CONTROL - STAGE 1A & 1B TYPICAL SECTIONS FOR MORE INFORMATION & ADDITIONAL TEMPORARY PAVEMENT

*SEE STAGE 1B TRAFFIC CONTROL FOR CONCRETE BARRIER TEMPORARY LEFT IN PLACE LOCATIONS

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	TYPICAL SECTIONS: MAINLINE	SHEET 11	E



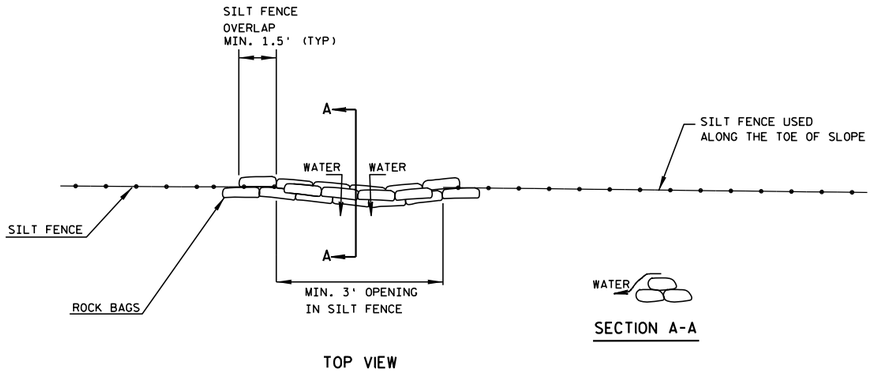
TYPICAL PROPOSED SECTION

IH 94 SB

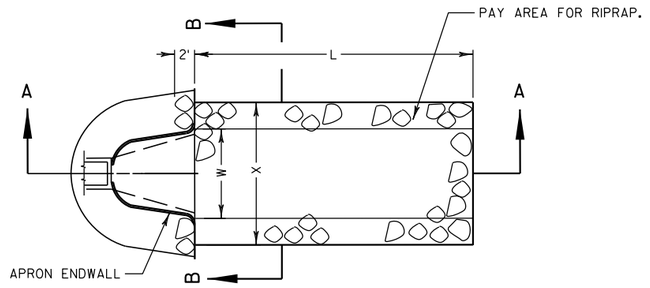
SEE TRAFFIC CONTROL - STAGE 1A & 1B TYPICAL SECTIONS FOR MORE INFORMATION & ADDITIONAL TEMPORARY PAVEMENT

*SEE STAGE 1B TRAFFIC CONTROL FOR CONCRETE BARRIER TEMPORARY LEFT IN PLACE LOCATIONS

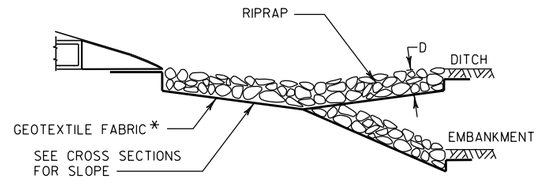
PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	TYPICAL SECTIONS: MAINLINE	SHEET 12	E



ROCK BAGS USED FOR SILT FENCE RELIEF DETAIL



PLAN VIEW



SECTION A-A

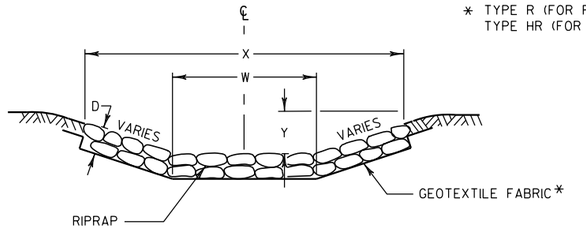
L = 3 x W (NOR) OR 10' MIN
OR AS INDICATED IN THE PLANS
OR AS DIRECTED BY THE ENGINEER

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

X = W+2' FOR TYPICAL CULVERT
DISCHARGE INTO DITCH
W+5' FOR CULVERT DISCHARGE
DOWN EMBANKMENT SLOPE

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

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



SECTION B-B

RIPRAP AND GEOTEXTILE FABRIC DETAIL AT APRON ENDWALLS

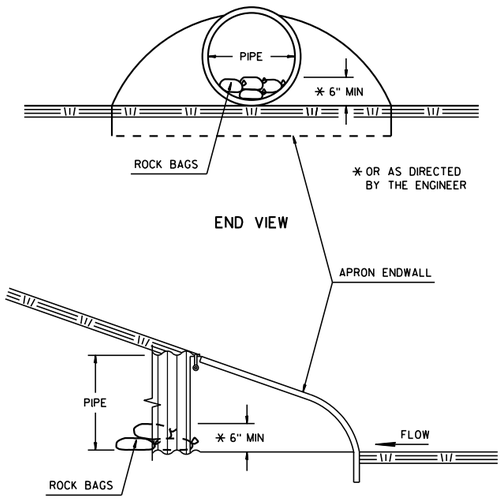
SEE EROSION CONTROL PLAN FOR LOCATIONS

100914

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 = 186.99 ACRES
TOTAL AREA EXPECTED TO BE DISTURBED BY CONSTRUCTION ACTIVITIES = 101.00 ACRES

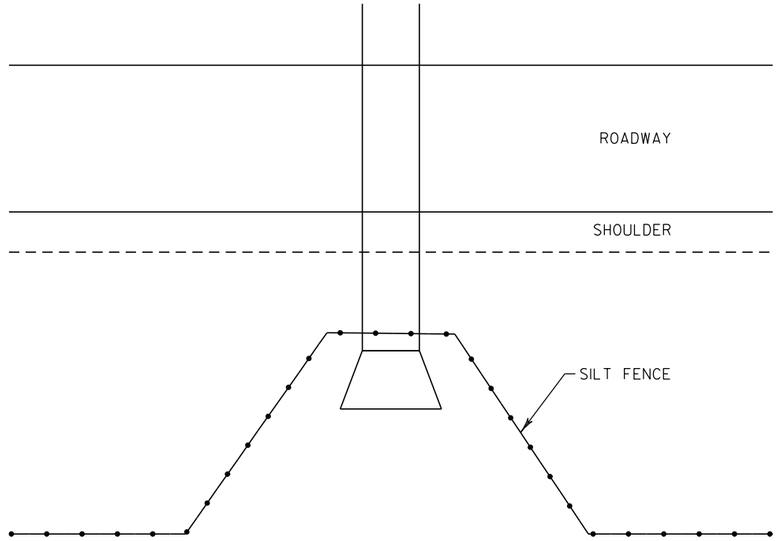


CULVERT PIPE ENDS

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

ROCK BAGS

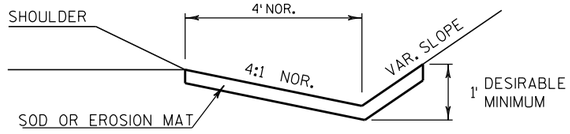
2



NOTE
SEE SILT FENCE SDD FOR ADDITIONAL INFORMATION.

100902

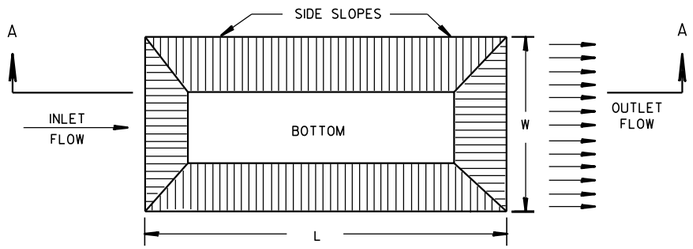
TYPICAL SILT FENCE DETAIL AT PIPE INLET



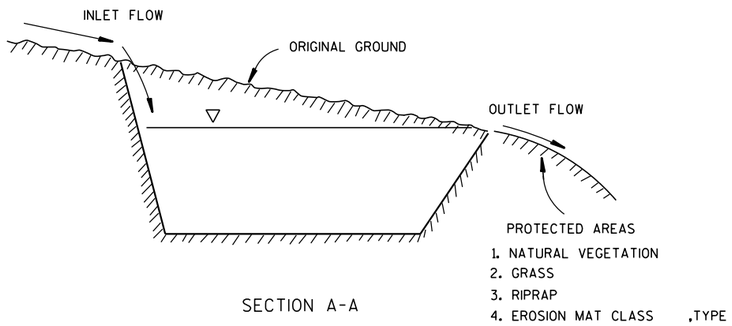
EROSION MAT DETAIL FOR DITCHES

081231

FILE NAME : P:\44xx\4444_DP.I94.RAC\Racine\CADDS\WZ Prep_142-G\CDS\021001_cd.dgn PLOT DATE : 12/12/2017 PLOT BY : kjd PLOT NAME : PLOT SCALE : 1:200
WISDOT/CADDS SHEET 42

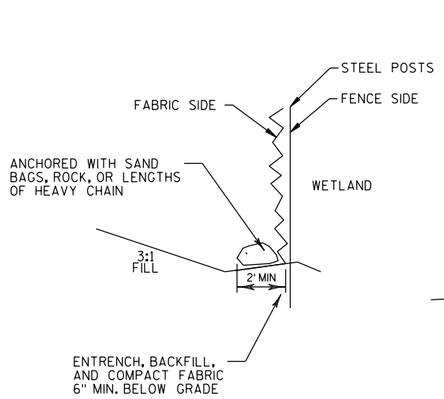


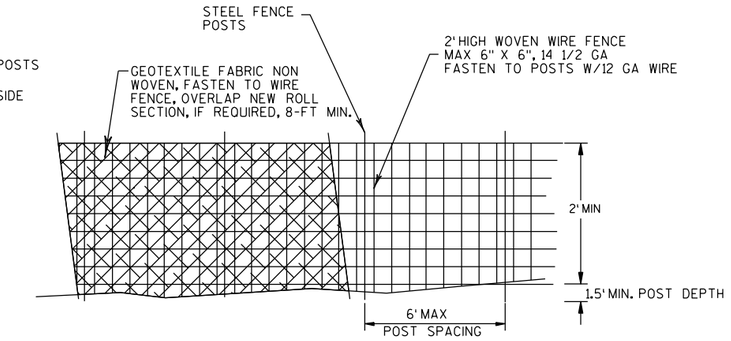
PLAN VIEW



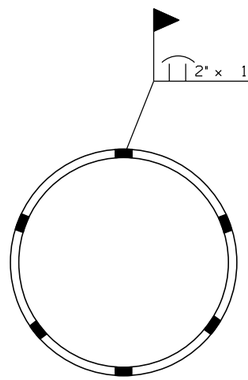
SECTION A-A

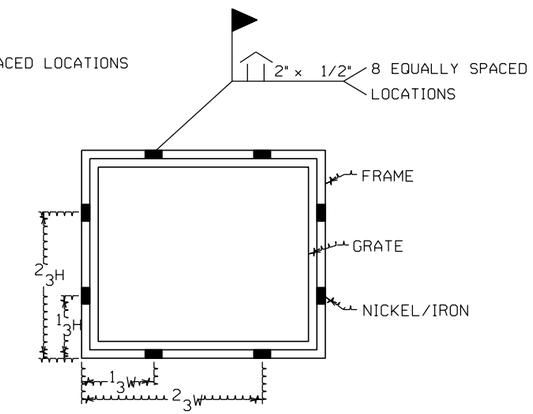
TYPICAL EXCAVATED SEDIMENT TRAP





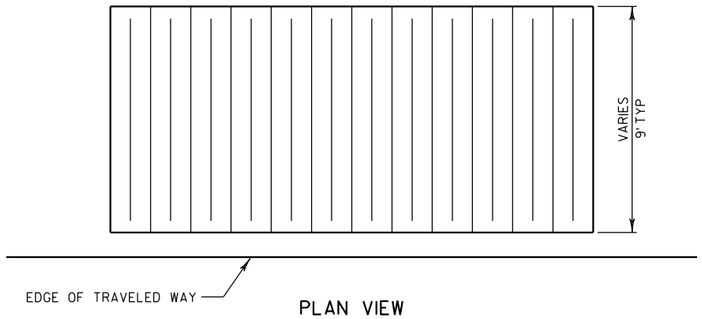
HEAVY DUTY SILT FENCE



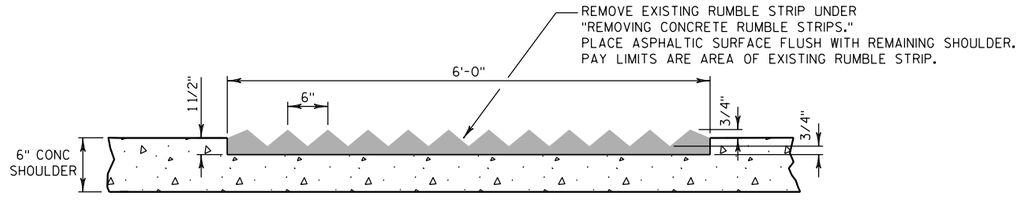


WELDING SEWER ACCESS COVERS

WELD EACH STORM SEWER COVER
WITH A 1/2" WIDE WELD 2" LONG



PLAN VIEW



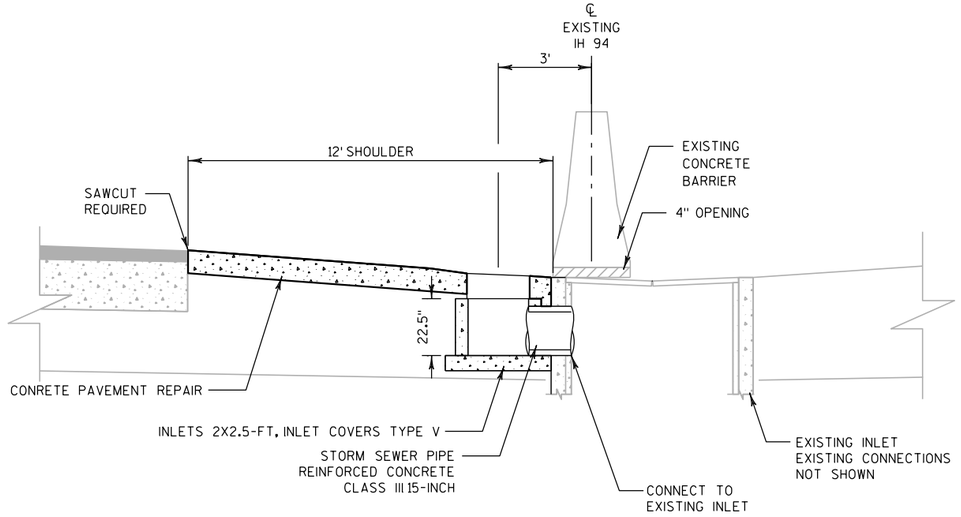
PROFILE VIEW

NOTE

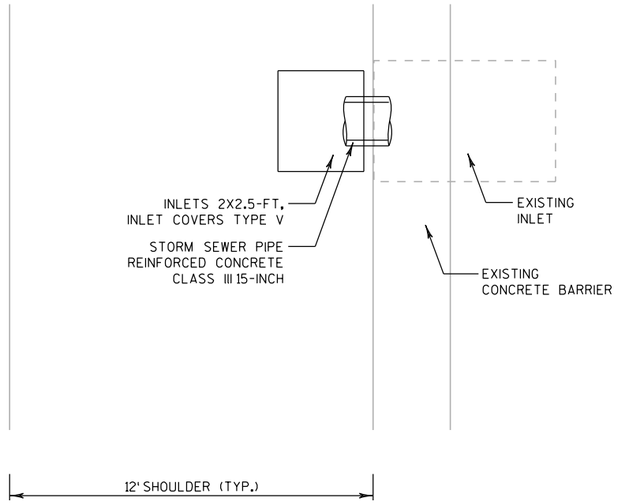
RUMBLE STRIPS ARE LONGITUDINALLY SPACED 60' CENTER TO CENTER

REMOVING CONCRETE RUMBLE STRIPS

100901



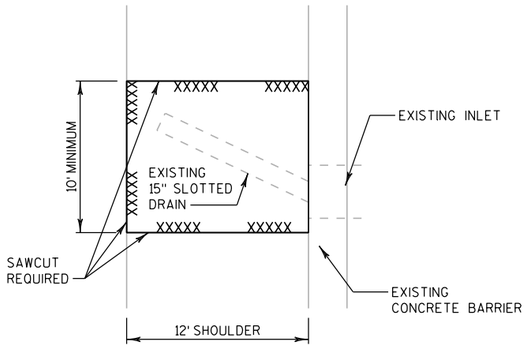
PROFILE VIEW



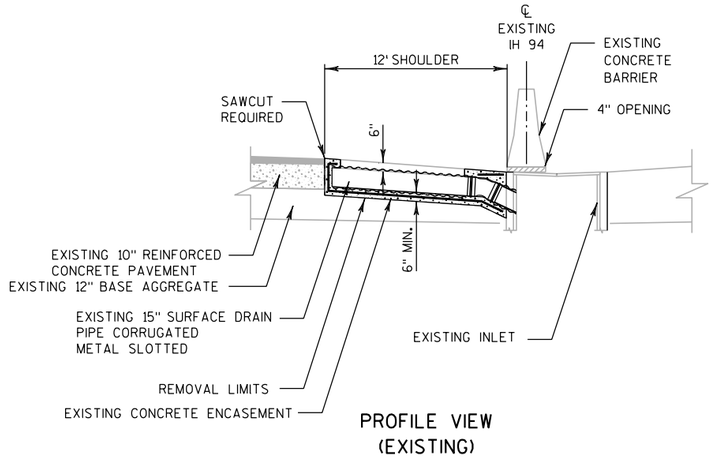
PLAN VIEW

TEMPORARY MEDIAN INLET

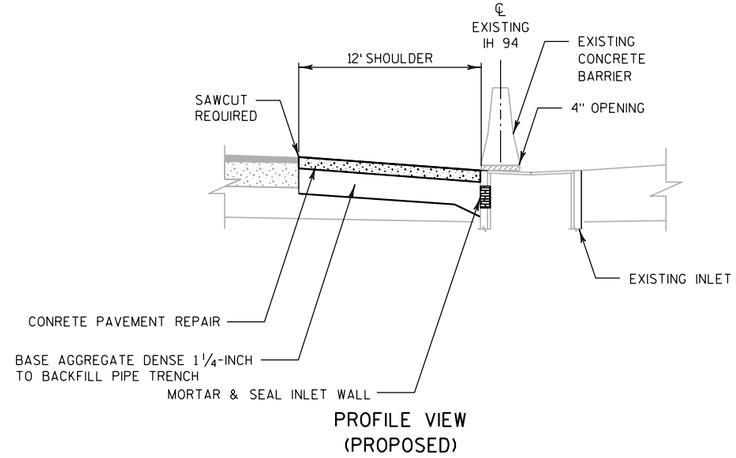
744+00, LT
749+00, LT
753+00, LT



PLAN VIEW



PROFILE VIEW (EXISTING)

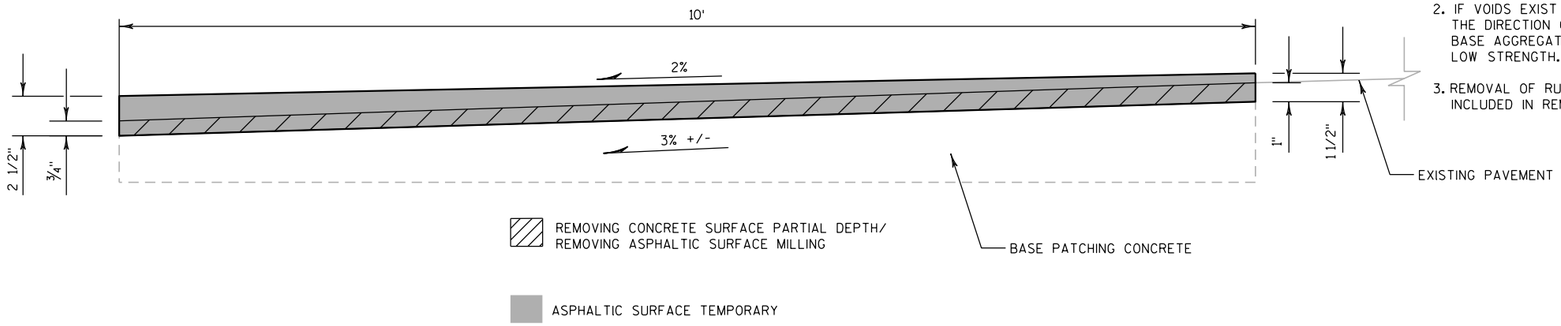


PROFILE VIEW (PROPOSED)

REMOVING SLOTTED DRAIN

NOTES

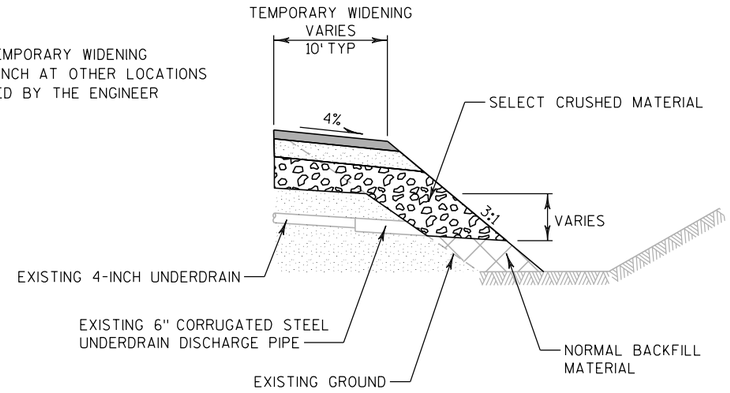
1. BASE PATCHING AND SAWCUT LIMITS TO BE DETERMINED BY THE ENGINEER.
2. IF VOIDS EXIST UNDER AREAS TO BE REPAIRED, AND AT THE DIRECTION OF THE ENGINEER, BACKFILL WITH BASE AGGREGATE DENSE AND/OR BACKFILL CONTROLLED LOW STRENGTH.
3. REMOVAL OF RUMBLE STRIPS ON OUTSIDE SHOULDER IS INCLUDED IN REMOVING CONCRETE SURFACE PARTIAL DEPTH



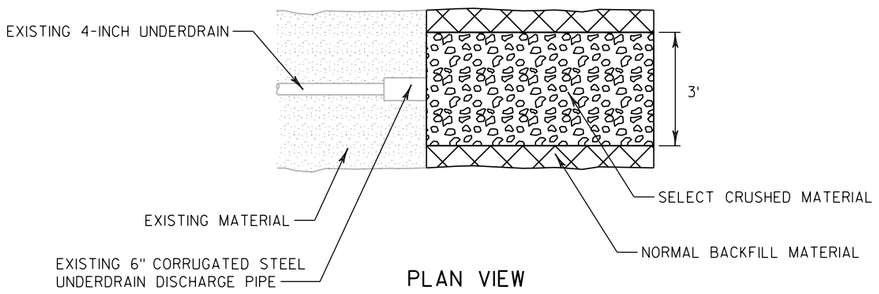
OUTSIDE SHOULDER REPAIR

2

INSTALL TEMPORARY WIDENING RELIEF TRENCH AT OTHER LOCATIONS AS DIRECTED BY THE ENGINEER



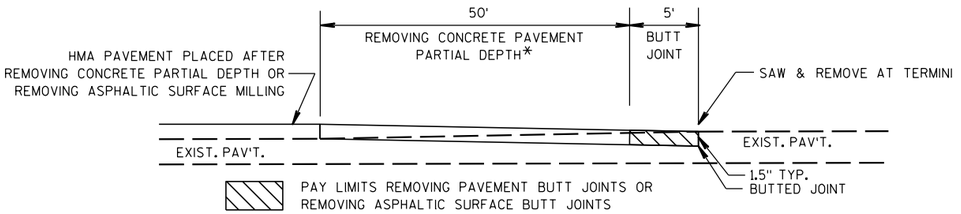
SIDE VIEW



PLAN VIEW

TEMPORARY WIDENING RELIEF TRENCH

672+50 LT	896+05 LT	944+95 LT	940+00 RT	985+00 RT	1094+00 RT
677+50 LT	900+05 LT	949+95 LT	945+00 RT	990+00 RT	1099+00 RT
680+00 LT	904+25 LT	955+00 LT	950+00 RT	995+00 RT	1103+75 RT
728+60 LT	908+60 LT	960+00 LT	955+00 RT	1000+00 RT	1108+25 RT
732+40 LT	913+10 LT		960+00 RT	1005+00 RT	1112+75 RT
733+60 LT	916+75 LT		965+00 RT	1010+00 RT	1121+75 RT
738+10 LT	929+95 LT		970+00 RT	1015+00 RT	1126+25 RT
	934+95 LT		975+00 RT	1020+00 RT	
	939+95 LT		980+00 RT		



DETAIL OF BUTTED JOINT

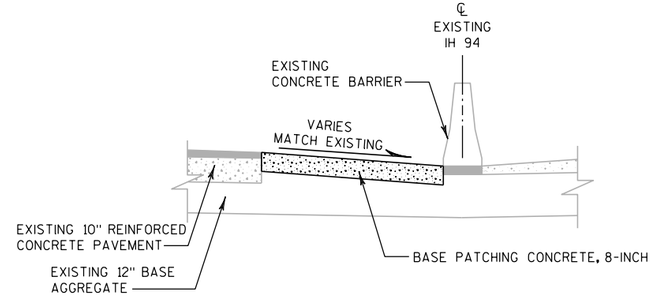
*TRANSITION PARTIAL DEPTH REMOVAL FROM 3/4" AT OUTSIDE EDGE TO 1 1/2" AT OUTSIDE EDGE OVER 50' TO MATCH BUTT JOINT

635+56	730+00	931+74
657+38	764+80	962+50
658+48	829+00	1002+41
678+00	895+00	1003+51
711+00	923+00	1024+00
711+47	924+00	1083+00
		1129+14

2

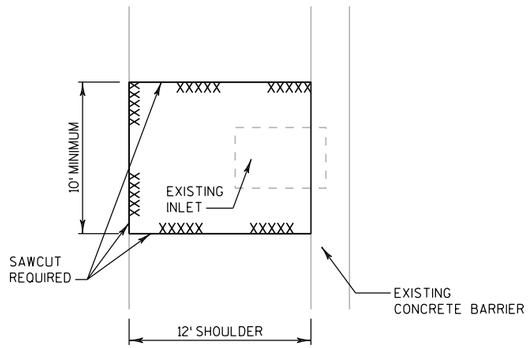
NOTES

1. BASE PATCHING AND SAWCUT LIMITS TO BE DETERMINED BY THE ENGINEER.
2. IF VOIDS EXIST UNDER AREAS TO BE REPAIRED, AND AT THE DIRECTION OF THE ENGINEER, BACKFILL WITH BASE AGGREGATE DENSE AND/OR BACKFILL CONTROLLED LOW STRENGTH.



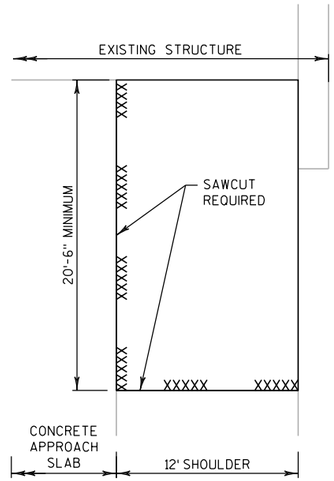
TYPICAL SECTION

(DRAINAGE STRUCTURES NOT SHOWN)



PLAN VIEW

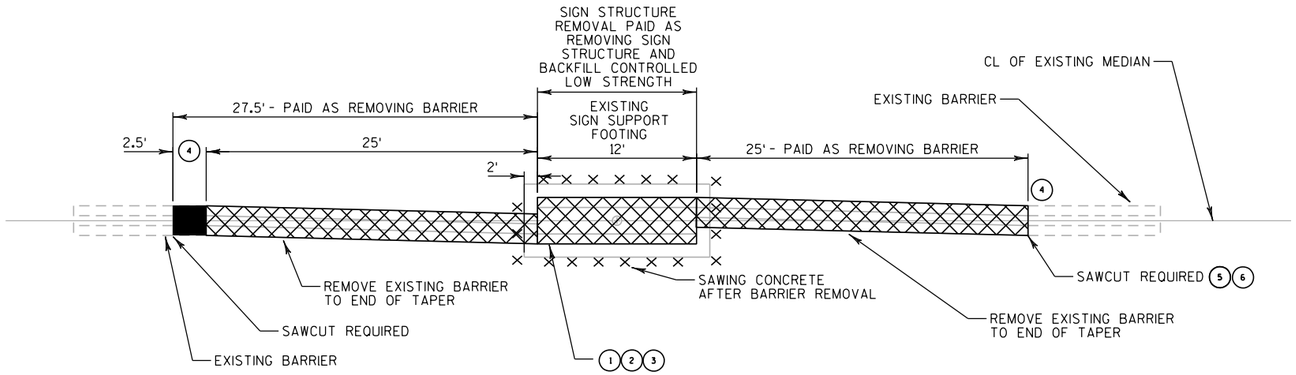
REPAIR AT INLET



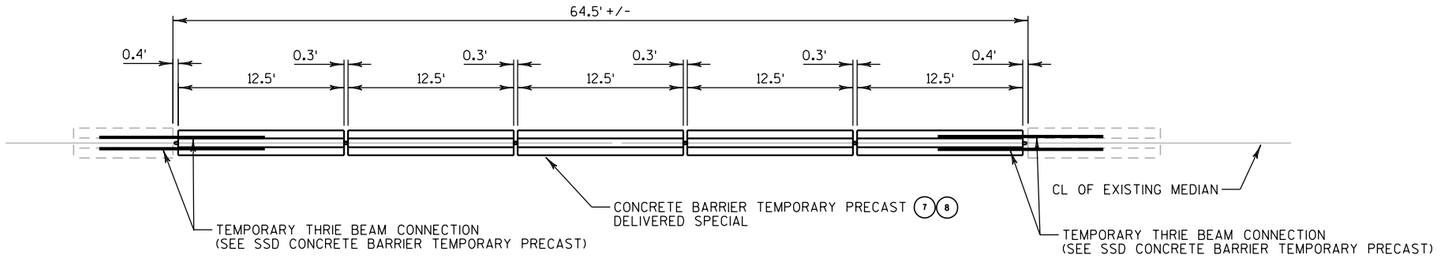
PLAN VIEW

REPAIR AT BRIDGE APPROACH SLAB

MEDIAN SHOULDER REPAIR



REMOVING SIGN BRIDGE AND EXISTING CONCRETE BARRIER



PLACEMENT OF TEMPORARY BARRIER

REMOVING SIGN BRIDGE NOTCH

STATION 510+00
STATION 607+00
STATION 707+00
STATION 794+30
STATION 1108+65

GENERAL NOTES

ALL ITEMS SHOWN ON THIS DETAIL ARE TO BE PAID UNDER THEIR RESPECTIVE BID ITEMS. THESE ITEMS INCLUDE:

-REMOVING SIGN STRUCTURE S-30-205, S-30-206, S-51-200, S-51-201, S-51-203
-REMOVING CONCRETE BARRIER
-CONCRETE BARRIER TEMPORARY PRECAST DELIVERED SPECIAL
-CONCRETE BARRIER TEMPORARY PRECAST INSTALLED
-TEMPORARY THRIE BEAM CONNECTION PAID FOR UNDER CONCRETE BARRIER TEMPORARY ITEMS
-ASPHALTIC SURFACE TEMPORARY
-BASE AGGREGATE DENSE 1 1/4-INCH
-BACKFILL CONTROLLED LOW STRENGTH
-REMOVING PAVEMENT
-SAWING CONCRETE

(1) REMOVE EXISTING SIGN STRUCTURE.

(2) AFTER REMOVAL OF SIGN STRUCTURE, CONTRACTOR TO VERIFY CONDITION AND REPAIR ANY DAMAGE TO EXISTING PIPE UNDERDRAIN OR STORM SEWER. IF NECESSARY, REPAIR OF UNDERDRAIN OR STORM SEWER TO BE PAID UNDER STORM SEWER ITEMS.

(3) BACKFILL ALL REMOVAL AREAS WITH BACKFILL CONTROLLED LOW STRENGTH PLACE 5" ASPHALT TEMPORARY OVER 6" 1-1/4-INCH BAD

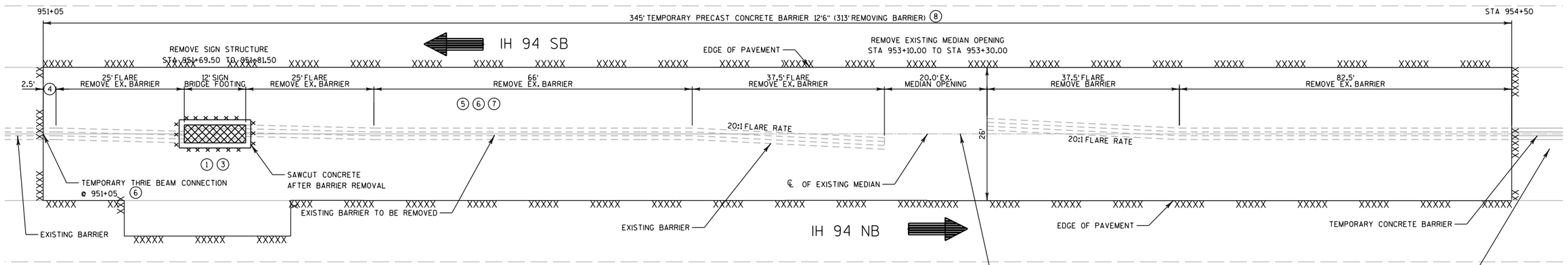
(4) IF FIELD MEASUREMENTS INDICATE REMOVAL OF ADDITIONAL EXISTING BARRIER IS NECESSARY, REMOVE CONCRETE BARRIER IN INCREMENTS OF 12.8 FEET IN ADDITION TO THE 64.5 FOOT REMOVAL.

(5) CONTRACTOR TO VERIFY SAWCUT LOCATIONS AND TEMPORARY CONCRETE BARRIER TOLERANCES.

(6) SAWCUTS FOR BARRIER WALL REMOVAL ARE INCIDENTAL TO THE ITEM REMOVING CONCRETE BARRIER.

(7) ALL SECTIONS OF THE TEMPORARY CONCRETE BARRIER ARE REQUIRED TO BE ANCHORED. SEE CONSTRUCTION DETAIL FOR TEMPORARY THRIE BEAM CONNECTION.

(8) SEE SDD CONCRETE BARRIER TEMPORARY PRECAST 12'6" FOR DETAILS OF WORKMANSHIP OF THE TEMPORARY BARRIER.



GENERAL NOTES FOR REMOVAL OF SIGN STRUCTURE AND CLOSING MEDIAN OPENING

ALL ITEMS SHOWN ON THIS DETAIL ARE TO BE PAID UNDER THEIR RESPECTIVE BID ITEMS. THESE ITEMS INCLUDE:

-REMOVING SIGN STRUCTURE S-51-202
-REMOVING CONCRETE BARRIER
-CONCRETE BARRIER TEMPORARY PRECAST DELIVERED SPECIAL
-CONCRETE BARRIER TEMPORARY PRECAST INSTALLED
-TEMPORARY THRIE BEAM CONNECTION (INCIDENTAL TO TEMPORARY CONCRETE BARRIER ITEMS)
-HMA PAVEMENT 3 MT 58-28 S
-ASPHALTIC SURFACE TEMPORARY
-BASE AGGREGATE DENSE 1 1/4-INCH
-SELECT CRUSHED MATERIAL
-BACKFILL CONTROLLED LOW STRENGTH
-REMOVING PAVEMENT
-SAWING CONCRETE

(1) REMOVE EXISTING SIGN STRUCTURE. REMOVAL OF SIGN STRUCTURE PAID FOR AS REMOVING SIGN STRUCTURE S-51-202. SEE TRAFFIC CONTROL PLANS FOR DETAILS.

(2) SEE STORM SEWER PLANS FOR LOCATIONS OF NEW STORM SEWER INSTALLATION.

(3) FILL ALL SIGN STRUCTURE REMOVAL AREAS WITH BACKFILL CONTROLLED LOW STRENGTH. PLACE PAVEMENT AND BASE MATERIALS AS SHOWN IN "TYPICAL FINISHED SECTION" DETAIL.

(4) CONTRACTOR TO VERIFY SAWCUT LOCATIONS AND TEMPORARY CONCRETE BARRIER TOLERANCES.

(5) SAWCUTS FOR BARRIER WALL REMOVAL ARE INCIDENTAL TO THE ITEM REMOVING CONCRETE BARRIER.

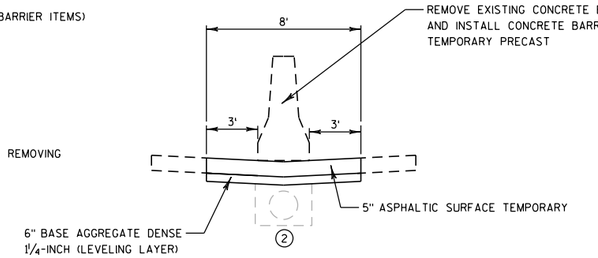
(6) SEE CONSTRUCTION DETAIL FOR ANCHOR REPLACEMENTS AT TEMPORARY THRIE BEAM CONNECTION LOCATIONS.

(7) SEE SDD CONCRETE BARRIER TEMPORARY PRECAST 12'6" FOR DETAILS OF WORKMANSHIP OF THE TEMPORARY BARRIER.

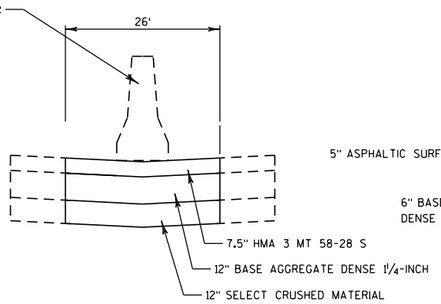
(8) IF FIELD MEASUREMENTS INDICATE THE REMOVAL OF ADDITIONAL BARRIER IS NECESSARY, REMOVE CONCRETE BARRIER IN INCREMENTS OF 12.8 FEET IN ADDITION TO THE SPECIFIED REMOVAL.

⊠ EXTENTS OF SIGN STRUCTURE BASE

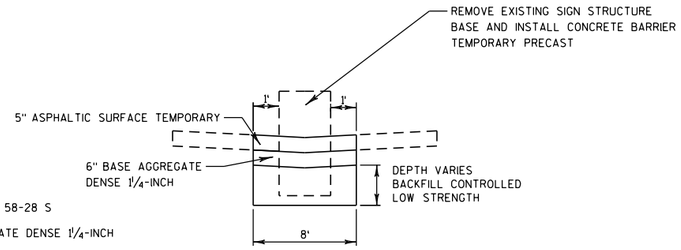
XXX SAWING CONCRETE



STA 951+05.00 TO STA 951+69.50
STA 951+81.50 TO STA 953+20.00



STA 953+20.00 TO 968+00.00

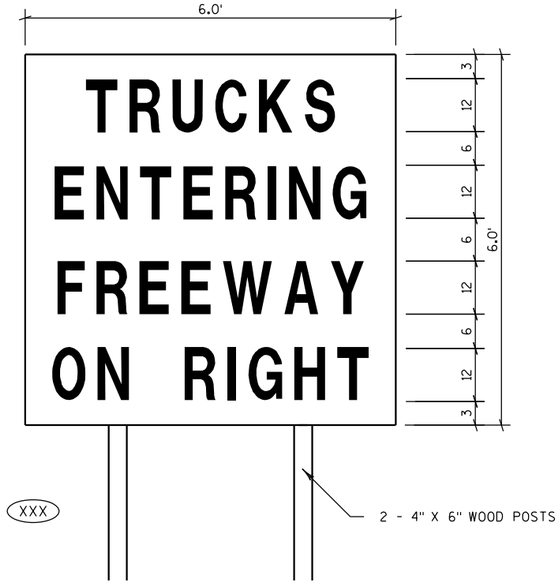


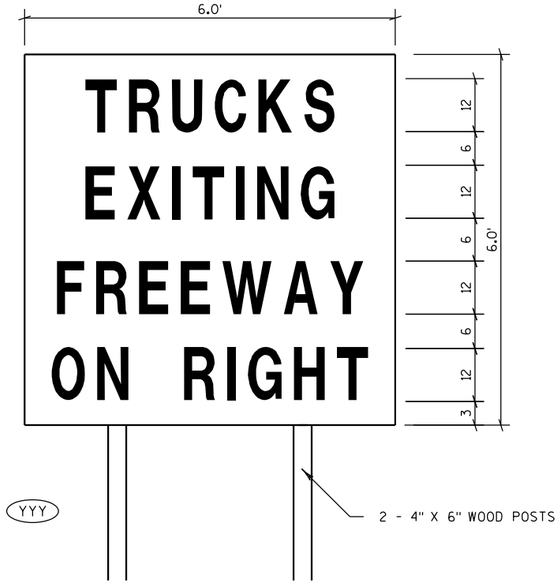
STA 951+69.50 TO STA 951+81.50

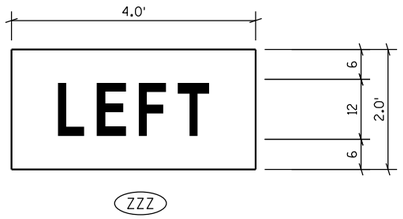
TYPICAL FINISHED SECTION

REMOVING SIGN STRUCTURE NOTCH AND MEDIAN OPENING
STA 951+05 TO STA 954+50

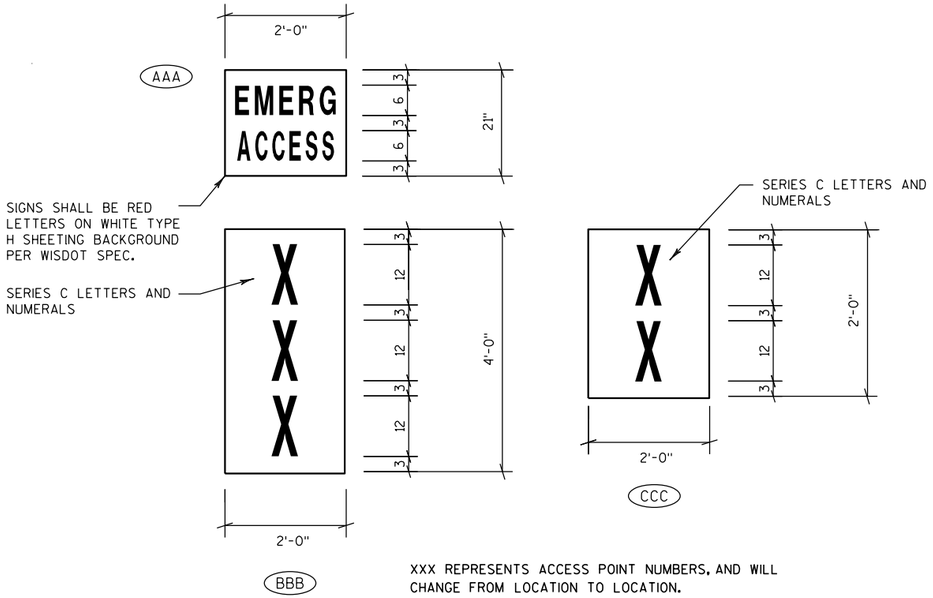
PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	CONSTRUCTION DETAILS	SHEET 20	E







FIXED MESSAGE SIGNS



XXX REPRESENTS ACCESS POINT NUMBERS, AND WILL CHANGE FROM LOCATION TO LOCATION.

EMERGENCY ACCESS SIGNS

WORK ZONE INGRESS/EGRESS

NOTES

1. AFTER SIGNS HAVE BEEN LOCATED IN THE FIELD, BUT BEFORE INSTALLATION, THE SIGNING AND MARKING SUPERVISOR SHALL VERIFY EACH SIGN LOCATION.
2. ALL SIGNS TO BE MOUNTED ON WOODEN POST SUPPORTS (4"x6"). THE NUMBER OF POSTS REQUIRED FOR EACH LAYOUT IS SHOWN. STEEL POSTS (2"X2") MAY BE USED FOR SIGNS ON SURFACE STREETS. SIGNS WHERE NO POSTS ARE SHOWN TO BE MOUNTED ON EXISTING SIGNS. FOR SIGNS MOUNTED ON POSTS, USE POSTS FROM FHWA LIST OF ACCEPTED BREAKAWAY SIGN SUPPORTS.
3. SIGNS ON THIS SHEET TO BE PAID UNDER THE ITEM "TRAFFIC CONTROL SIGNS FIXED MESSAGE".
4. SIGNS SHALL BE BLACK NON-REFLECTIVE MESSAGE ON ORANGE TYPE F REFLECTIVE BACKGROUND UNLESS OTHERWISE NOTED.
5. ALL SIGNS SHALL HAVE CAPITAL LETTERS AND NUMERALS: 12" AND 8" CAPS SHALL BE SERIES "D", 6" CAPS SHALL BE SERIES "C" UNLESS OTHERWISE NOTED.
6. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS TO ENGINEER FOR REVIEW PRIOR TO MANUFACTURING.
7. SIGN BASE MATERIAL SHALL BE ACCORDING TO SECTION 637.2.1.2..
8. DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.

(XXX) = FIXED MESSAGE SIGN NUMBER

FOR INFORMATION ONLY

TRUCKS ENTERING AHEAD | FROM RIGHT

XXX

TRUCKS ENTERING FREEWAY ON RIGHT
FIXED MESSAGE SIGN

LANE CLOSED
R11-2(MOD)
48" X 30"

CONSTRUCTION VEHICLE ENTERING

2000'

300'

MEDIAN SHOULDER

50' TYP

50' TYP

11' MIN.

10' MIN.

PCMS

1000' | 1000' | 500' | 900' ACCELERATION | 500'

(THE RATIO OF LENGTH ON GRADE TO LENGTH ON LEVEL SHALL NOT EXCEED 3%)

50:1 TAPER

BEGIN (25)

END (25)

CONSTRUCTION WORK ZONE OPENING

TRUCKS ENTERING & LEAVING W8-6A

W04-1

W5-52R
18" X 54"

EGRESS

LANE CLOSED
R11-2(MOD)
48" X 30"

TRUCKS EXITING FREEWAY ON RIGHT
FIXED MESSAGE SIGN

YYY

2000'

LANE CLOSED
R11-2(MOD)
48" X 30"

200'

CONSTRUCTION VEHICLE EXITING

LANE CLOSED
R11-2(MOD)
48" X 30"

MEDIAN SHOULDER

50' TYP

50' TYP

12' MIN.

11' MIN.

CC

PCMS

500' | 1000' | 1000' | 275' 25:1 TAPER | 550' DECELERATION

(THE RATIO OF LENGTH ON GRADE TO LENGTH ON LEVEL SHALL NOT EXCEED 3%)

BEGIN (25)

END (25)

CONSTRUCTION WORK ZONE OPENING

WATCH FOR TRUCKS CHANGING LANES
W7-61
120" X 78"

TRUCKS ENTERING & LEAVING W8-6A

INGRESS

LEGEND

- DIRECTION OF TRAFFIC
- WORK ZONE
- CC — CRASH CUSHION TEMPORARY
- CONCRETE BARRIER TEMPORARY PRECAST
- EXISTING CONCRETE BARRIER TEMPORARY PRECAST
- TRAFFIC CONTROL TUBULAR MARKERS
- TRAFFIC CONTROL DRUMS (USED WHEN EGRESS/INGRESS NOT IN USE)
- (25) — TEMPORARY PAVEMENT MARKING REFLECTIVE PAINT 4-INCH (WHITE, SOLID) (USE YELLOW, SOLID FOR MEDIAN INGRESS/EGRESS)
- SIGN ON TEMPORARY SUPPORT
- SIGN MOUNTED ON PERMANENT POST(S)
- TRAFFIC CONTROL BARRICADE TYPE III W/ SIGN (USED WHEN INGRESS/EGRESS NOT IN USE)
- PCMS — TRAFFIC CONTROL SIGN PORTABLE CHANGEABLE MESSAGE
- XXX — FIXED MESSAGE SIGN

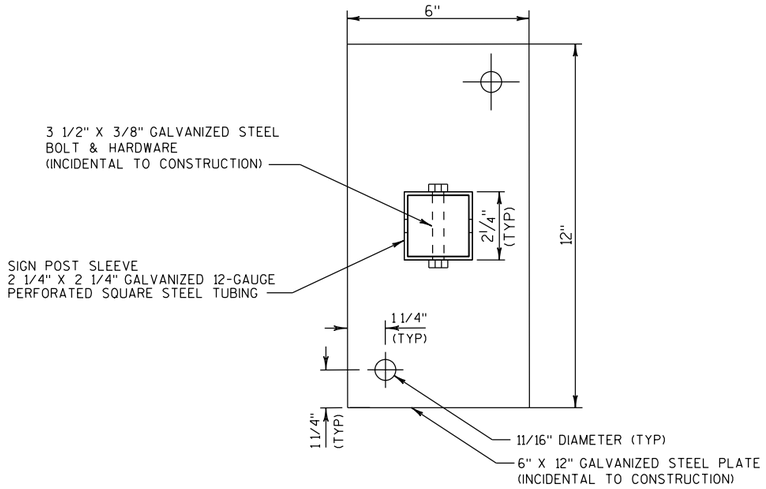
TRUCKS EXITING AHEAD | DONT FOLLOW

WORK ZONE INGRESS/EGRESS

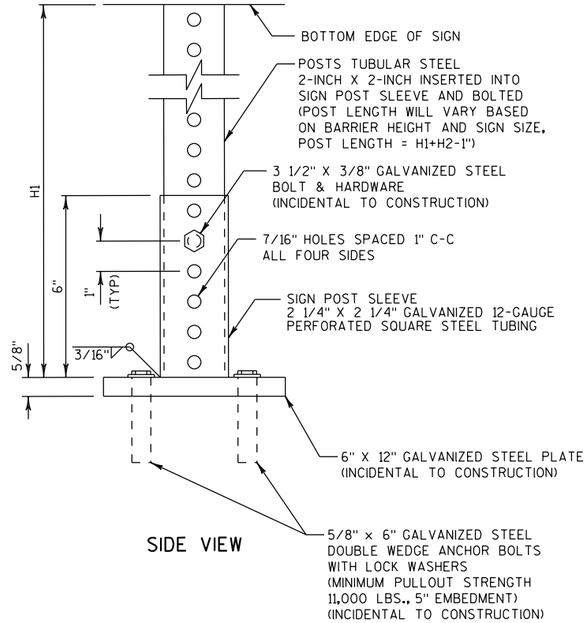
POSTED SPEEDS 55 MPH OR LESS

NOTES

1. RIGHT LANE ACCESS SHOWN (MEDIAN LANE ACCESS SIMILAR).
2. WORK ZONE INGRESS/EGRESS LOCATIONS SHALL BE APPROVED BY THE ENGINEER. LOCATIONS FOR WORK ZONE ACCESS TO/FROM THE FREEWAY SHALL NOT BE USED FOR INGRESS AND EGRESS AT THE SAME TIME.
3. THE EXACT NUMBER, LOCATION AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS DIRECTED BY THE ENGINEER.
4. FOR NIGHTTIME OPERATION ALL DRUMS IN TAPERS MAY HAVE A WARNING LIGHT, TYPE C (STEADY BURN).
5. ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED.
6. ALL WARNING SIGNS FOR LONG TERM OPERATIONS SHALL BE NON-FLUORESCENT DIAMOND GRADE SHEETING. TYPE A LIGHTS AND FLAGS ARE NOT REQUIRED.
7. TRUCKS SHALL USE FLASHING YELLOW BEACON WHEN ENTERING LIVE TRAFFIC.
8. FREE FLOW TRAFFIC LANES SHALL BE A MINIMUM WIDTH OF ELEVEN FEET AND ACCOMMODATE A ONE FOOT SHY DISTANCE FROM TRAFFIC CONTROL DEVICES.
9. ITEMS ON THIS SHEET TO BE PAID USING STANDARD BID ITEMS.

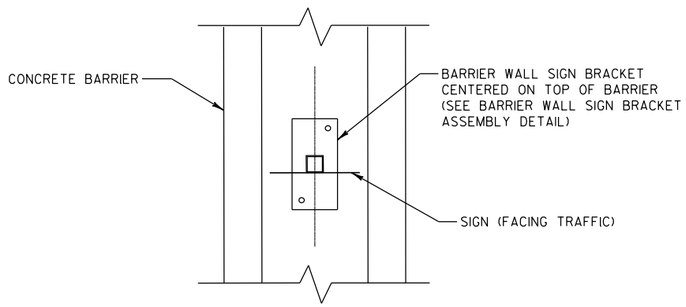


PLAN VIEW

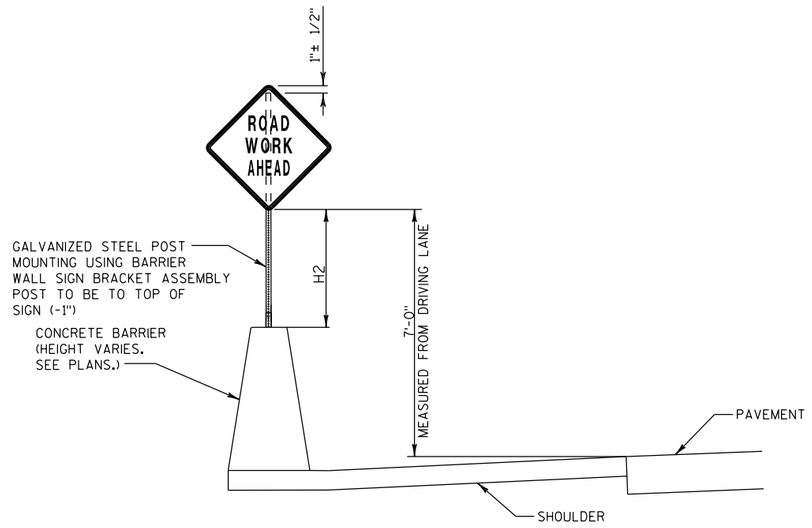


SIDE VIEW

BARRIER WALL SIGN BRACKET ASSEMBLY DETAIL



PLAN VIEW

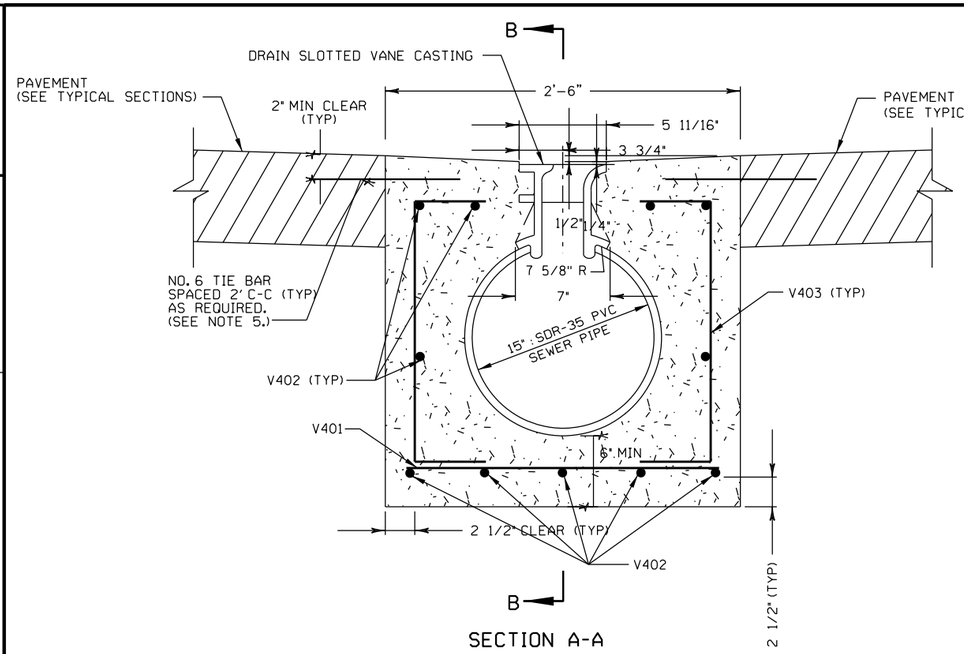


SIDE VIEW

MEDIAN BARRIER MOUNTING DETAIL

MOUNTING SIGNS TO MEDIAN BARRIER

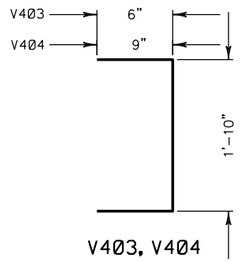
NOT TO SCALE



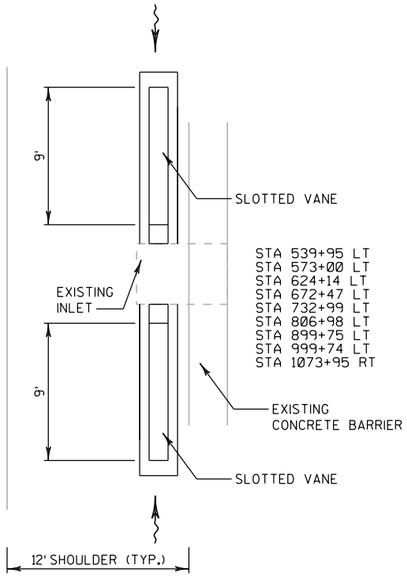
SECTION A-A

NOTES

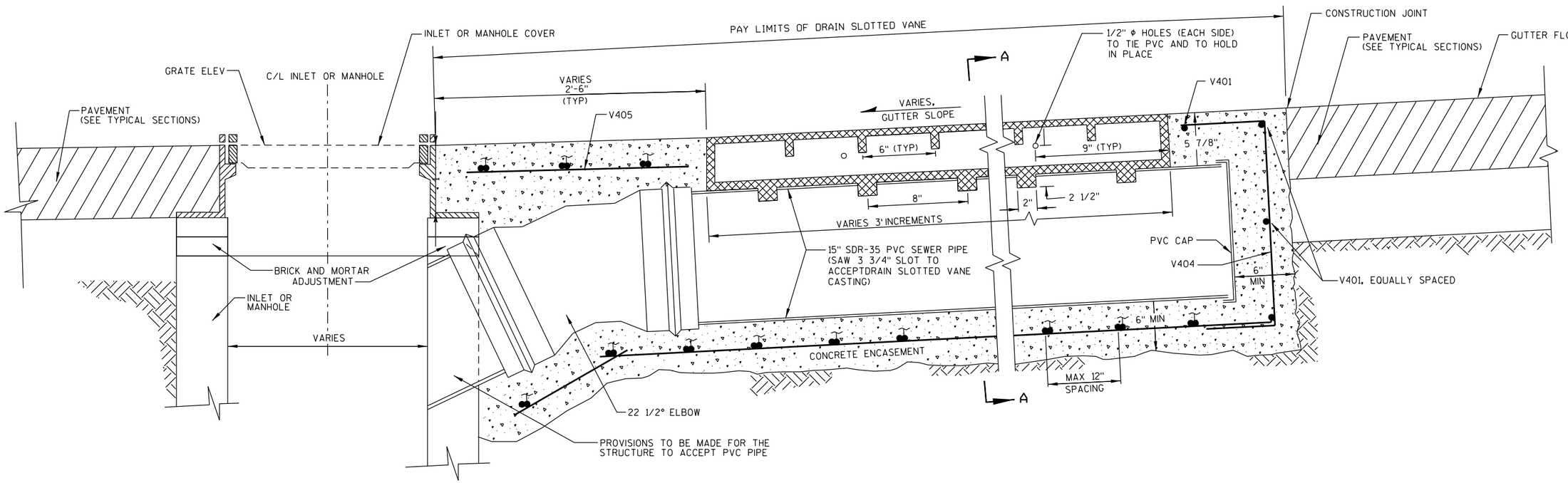
1. THE FIRST DIGIT OF BAR MARK SIGNIFIES THE BAR SIZE.
2. ALL DIMENSIONS ARE OUT TO OUT OF BAR.
3. APPROXIMATE WEIGHT OF DRAIN SLOTTED VANE CASTING = 87 POUNDS.
4. THE CASTING AND PVC PIPE SHALL BE SECURELY STAKED AND ANCHORED INTO PLACE DURING THE POURING OF THE CONCRETE ENCASEMENT.
5. TIE BARS REQUIRED ADJACENT TO CONCRETE PAVEMENT.



V403, V404



LOW POINTS ALONG MAINLINE

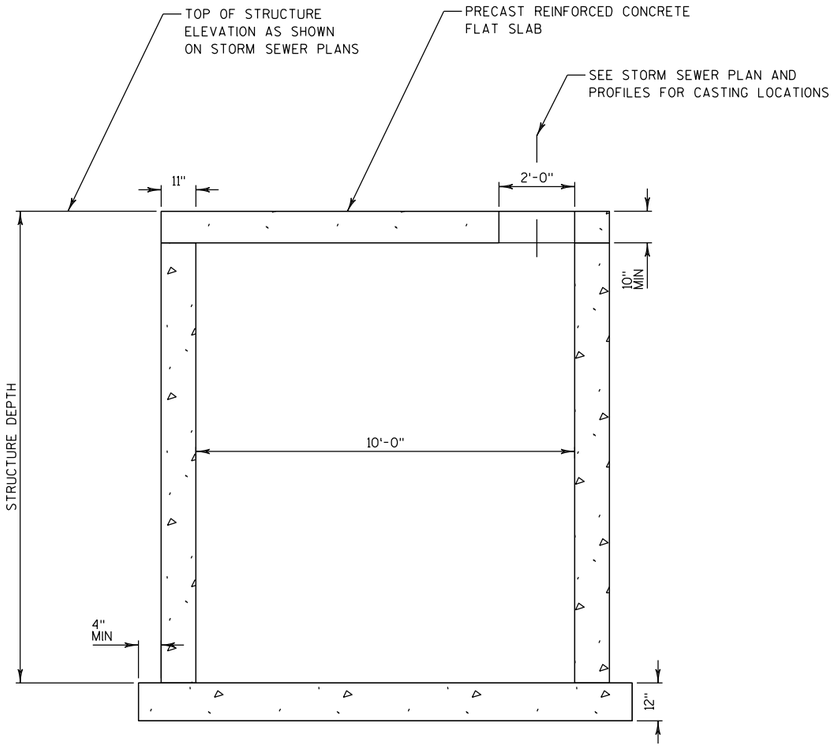


SECTION B-B

DRAIN SLOTTED VANE LONGITUDINAL AND DRAIN SLOTTED VANE LONGITUDINAL TEMPORARY

STATIONS AND OFFSETS ARE SHOWN IN STORM SEWER PLANS
AND ARE TO THE CENTER OF STRUCTURE. THESE OFFSETS COULD
CHANGE TO AVOID CASTING PLACEMENT IN THE TRAVEL LANE

STRUCTURES TO BE DESIGNED TO MEET ALL APPLICABLE ASTM AND
WISDOT REQUIREMENTS.



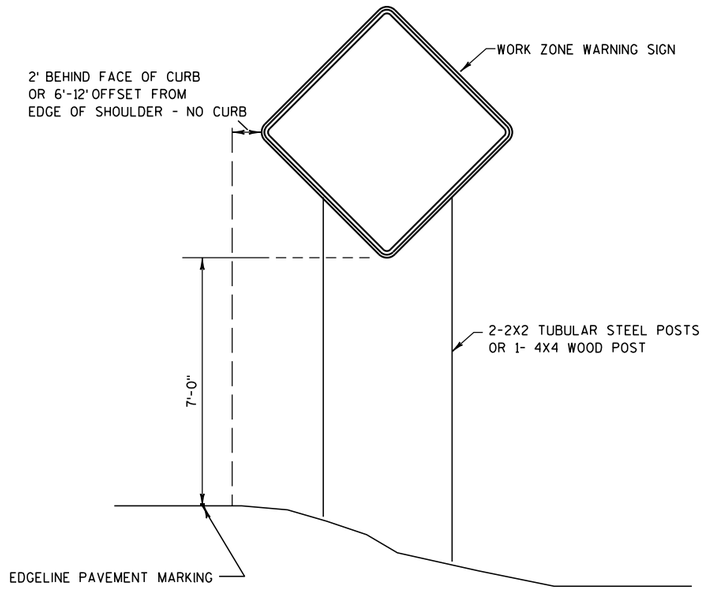
SEE STANDARD DETAIL DRAWING MANHOLES
3-FT, 4-FT, 5-FT, 6-FT, 7-FT, & 8-FT DIAMETER
FOR ADDITIONAL STRUCTURE INFORMATION.

LOCATE MANHOLE TOP SO OPENING ALLOWS FOR EASY ACCESS
TO THE STEPS AND OUT OF TRAVEL WHEEL PATH.

SEE STORM SEWER TRENCH DRAIN DETAIL.

MANHOLES 10-FT DIAMETER

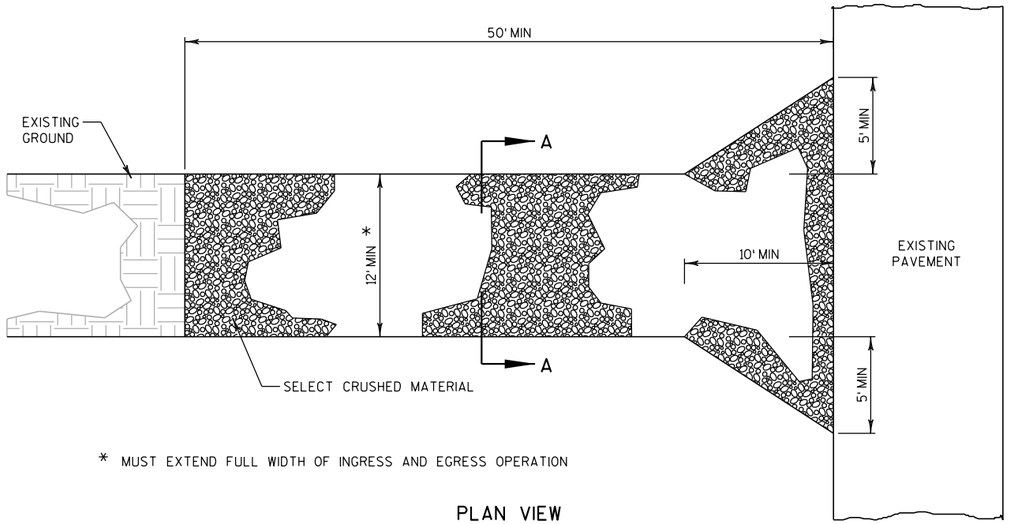
2



TYPICAL TEMPORARY TRAFFIC CONTROL DETAIL
MOUNTING ON FIXED SUPPORT

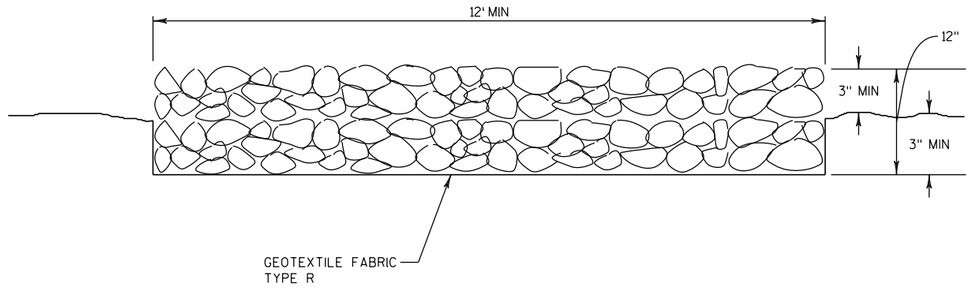
LONG TERM
7 DAYS OR MORE

2



* MUST EXTEND FULL WIDTH OF INGRESS AND EGRESS OPERATION

PLAN VIEW



SECTION A-A

NOTE

TRACKING PADS TO BE INSPECTED DAILY. DEFICIENT AREAS TO BE REPAIRED OR REPLACED IMMEDIATELY.

TRACKING PADS

FOR CONSTRUCTION EGRESS POINTS

100813

NOTES:

1. EROSION CONTROL DEVICES SHALL REMAIN IN PLACE AFTER CONSTRUCTION

LEGEND

EROSION MAT URBAN CLASS I, TYPE B

INLET PROTECTION TYPE B

SILT FENCE

N

SLOPE INTERCEPT

R/W

WEST FRONTAGE ROAD

R/L IH 94

IH 94 SB

IH 94 NB

EAST FRONTAGE ROAD

R/W

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	EROSION CONTROL PLAN - STAGE 1	SHEET 28	E

FILE NAME : X:\1035-03-02 IH 94 GAP\1035-04-71 work\ROADWAY PLANSHEET DGN\022010_ec.DGN PLOT DATE : 12/12/2017 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:100

WISDOT/CADDS SHEET 42

NOTES:

1. EROSION CONTROL DEVICES SHALL REMAIN IN PLACE AFTER CONSTRUCTION

LEGEND

EROSION MAT URBAN CLASS I, TYPE B

INLET PROTECTION TYPE B

SILT FENCE

N

POOL

TANKS

WETLAND BOUNDARY

TLE

R/W

SLOPE INTERCEPT

WEST FRONTAGE ROAD

R/L IH 94

IH 94 SB

IH 94 NB

EAST FRONTAGE ROAD

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	EROSION CONTROL PLAN - STAGE 1	SHEET 29	E

FILE NAME : X:\1035-03-02 IH 94 GAP\1035-04-71 work\ROADWAY PLANSHEET DGN\022011_ec.DGN PLOT DATE : 12/12/2017 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:100.021

WISDOT/CADDS SHEET 42

NOTES:

1. EROSION CONTROL DEVICES SHALL REMAIN IN PLACE AFTER CONSTRUCTION

LEGEND

EROSION MAT URBAN CLASS I, TYPE B

B INLET PROTECTION TYPE B

SILT FENCE

N

WEST FRONTAGE ROAD

IH 94 SB

IH 94 NB

R/L IH 94

EAST FRONTAGE ROAD

TLE

R/W

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	EROSION CONTROL PLAN - STAGE 1	SHEET 30	E

FILE NAME : X:\1035-03-02 IH 94 GAP\1035-04-71 work\ROADWAY PLANSHEET DGN\022012_ec.DGN PLOT DATE : 12/12/2017 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:100.021

2

2

WEST FRONTAGE ROAD

WETLAND BOUNDARY

WETLAND BOUNDARY

SB ENTRANCE RAMP

IH 94 SB

524 526 528 530 532 534 536

IH 94 NB

MATCHLINE 538+00

NB EXIT RAMP

WETLAND BOUNDARY

WETLAND BOUNDARY

EAST FRONTAGE ROAD

EROSION CONTROL LEGEND

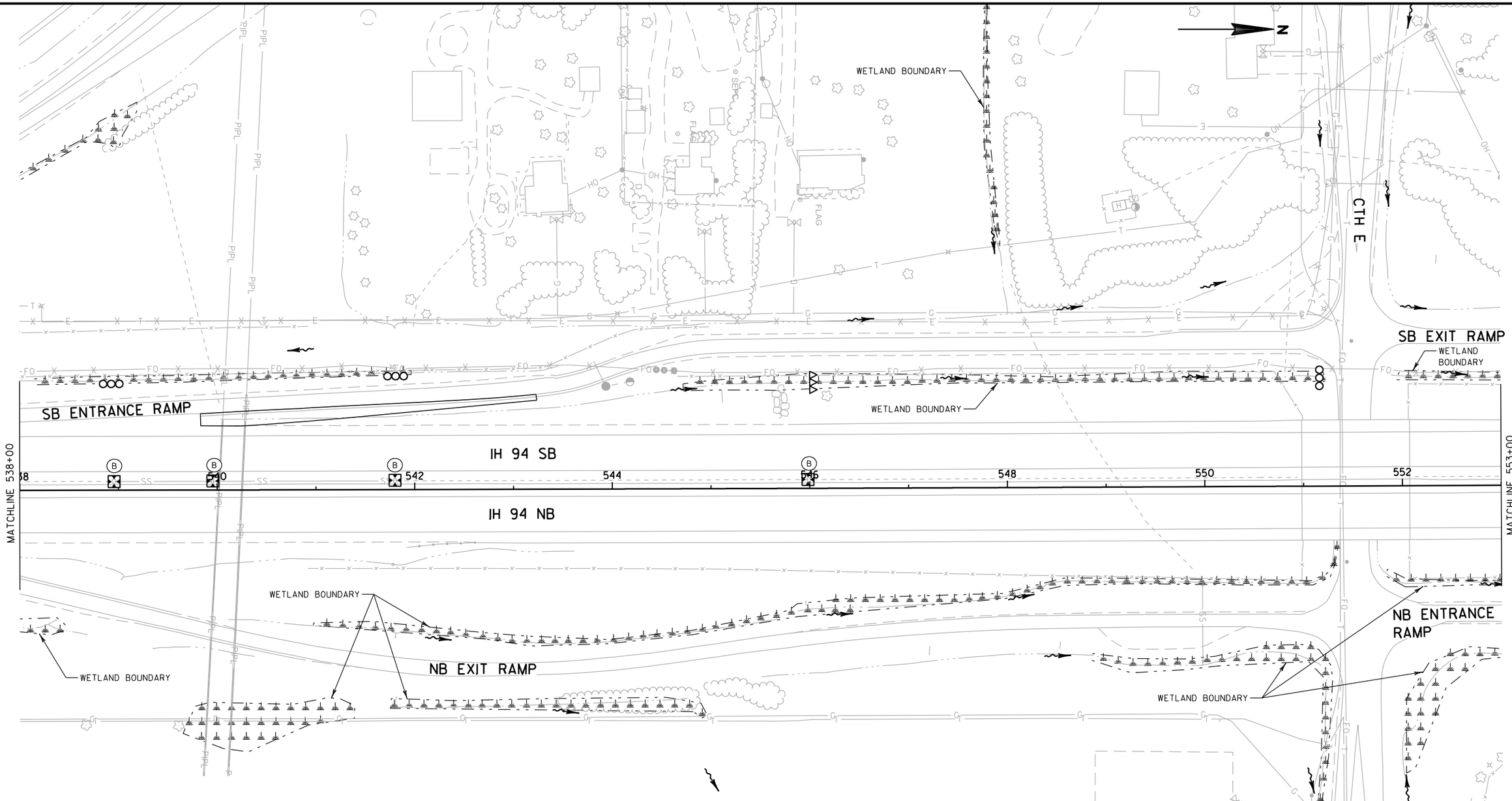
- EROSION MAT URBAN CLASS I, TYPE B
- SILT FENCE
- SURFACE WATER FLOW
- SLOPE INTERCEPT
- (A) INLET PROTECTION TYPE A
- (B) INLET PROTECTION TYPE B
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	EROSION CONTROL	SHEET	E

FILE NAME : S:\FinalDesign\E\10350471_PW\Roads\cds\022001_ec.dgn PLOT DATE : 11-DEC-2017 13:00 PLOT BY : MSCKCM PLOT NAME : 022001_ec PLOT SCALE : 100:1

WISDOT/CADDS SHEET 42

2



EROSION CONTROL LEGEND

EROSION MAT URBAN CLASS I, TYPE B	(A) INLET PROTECTION TYPE A
SILT FENCE	(B) INLET PROTECTION TYPE B
SURFACE WATER FLOW	TEMPORARY DITCH CHECK
SLOPE INTERCEPT	CULVERT PIPE CHECK

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	EROSION CONTROL	SHEET	E

2

N

WEST FRONTAGE ROAD

WETLAND BOUNDARY

WETLAND BOUNDARY

SB EXIT RAMP

WETLAND BOUNDARY

WETLAND BOUNDARY

HEAVY DUTY SILT FENCE

IH 94 SB

IH 94 NB

MATCHLINE 553+00

MATCHLINE 568+00

554 556 558 560 562 564 566

14NET

12NET

WETLAND BOUNDARY

NB ENTRANCE RAMP

119TH CT

WETLAND BOUNDARY

WETLAND BOUNDARY

WETLAND BOUNDARY

WETLAND BOUNDARY

WETLAND BOUNDARY

EROSION CONTROL LEGEND

- EROSION MAT URBAN CLASS I, TYPE B
- SILT FENCE
- SURFACE WATER FLOW
- SLOPE INTERCEPT
- (A) INLET PROTECTION TYPE A
- (B) INLET PROTECTION TYPE B
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	EROSION CONTROL	SHEET	E

FILE NAME : S:\FinalDesign\E\10350471_PW\Roads\cds\022003_ec.dgn PLOT DATE : 11-DEC-2017 13:00 PLOT BY : MSCKCM PLOT NAME : 022003_ec PLOT SCALE : 100:1

2

EROSION CONTROL LEGEND

- EROSION MAT URBAN CLASS I, TYPE B
- SILT FENCE
- SURFACE WATER FLOW
- SLOPE INTERCEPT
- (A) INLET PROTECTION TYPE A
- (B) INLET PROTECTION TYPE B
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK

N

RUINS

RUINS

WETLAND BOUNDARY

WETLAND BOUNDARY

WEST FRONTAGE ROAD

HEAVY DUTY SILT FENCE

MATCHLINE 568+00

16NET

18NET

IH 94 SB

20NET

22NET

24NET

568

570

572

574

576

578

580

582

IH 94 NB

MATCHLINE 583+00

NB ENTRANCE RAMP

WETLAND BOUNDARY

WETLAND BOUNDARY

119TH CT

EAST FRONTAGE ROAD

WETLAND BOUNDARY

WETLAND BOUNDARY

MATCHLINE 583+00

HEAVY DUTY SILT FENCE

IH 94 SB

584

586

IH 94 NB

WETLAND BOUNDARY

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	EROSION CONTROL	SHEET	E

FILE NAME : S:\FinalDesign\E\10350471_PW\Roads\cds\022004_ec.dgn PLOT DATE : 11-DEC-2017 13:00 PLOT BY : MSCKCM PLOT NAME : 022004_ec PLOT SCALE : 100:1

2

N

WETLAND BOUNDARY

R/W

TEMPORARY SHORING

SLOPE INTERCEPT

WETLAND BOUNDARY

HDSF HDSF HDSF HDSF HDSF HDSF

IH 94 SB

R/L IH 94

668 670 672 674 676 678 680 682

IH 94 NB

WETLAND BOUNDARY

WETLAND BOUNDARY

WETLAND BOUNDARY

R/W

NOTES:

CULVERT END TREATMENTS SHALL BE STABILIZED BEFORE FLOW IS ALLOWED THROUGH PIPE.

TACKIFY AND CRIMP MULCH THAT IS DIRECTLY ADJACENT TO THE FREEWAY.

EROSION CONTROL DEVICES SHALL REMAIN IN PLANE AFTER CONSTRUCTION.

EROSION CONTROL LEGEND

######	EROSION MAT CLASS I TYPE B	(A)	INLET PROTECTION TYPE A
	EROSION MAT URBAN CLASS I TYPE B	(B)	INLET PROTECTION TYPE B
_ _ _	SLOPE INTERCEPT	(C)	INLET PROTECTION TYPE C
———	SILT FENCE	(D)	INLET PROTECTION TYPE D
—HDSF—	HEAVY DUTY SILT FENCE	CONC	CONCRETE SURFACE DRAIN (SEE S.D.D. FOR ACTUAL LAYOUT)
OOO	CULVERT PIPE CHECK	R	ROCK BAGS
~→	SURFACE WATER FLOW	F	FILTER BAGS
ST	SEDIMENT TRAP	△△△	TEMPORARY DITCH CHECK
			RIPRAP (MEDIUM UNLESS NOTED)

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	EROSION CONTROL: MAINLINE	

FILE NAME : P:\44xx\4444_DP.I94.RAC\Racine\CADDS\WZ Prep_142-G\CDS\022001_EC.dgn PLOT DATE : 12/12/2017 PLOT BY : hxt PLOT NAME : PLOT SCALE : 1:100

2

WEST FRONTAGE ROAD

TEMPORARY SHORING

WETLAND BOUNDARY

WETLAND BOUNDARY

WETLAND BOUNDARY

SLOPE INTERCEPT

HDSF

SB ENTRANCE RAMP

R/L IH 94

IH-94 SB

726 728 730 732 734 736 738 740

IH-94 NB

NB EXIT RAMP

WETLAND BOUNDARY

WETLAND BOUNDARY

EAST FRONTAGE ROAD

WETLAND BOUNDARY

R/W

NOTES:

CULVERT END TREATMENTS SHALL BE STABILIZED BEFORE FLOW IS ALLOWED THROUGH PIPE.

TACKIFY AND CRIMP MULCH THAT IS DIRECTLY ADJACENT TO THE FREEWAY.

EROSION CONTROL DEVICES SHALL REMAIN IN PLANE AFTER CONSTRUCTION.

EROSION CONTROL LEGEND

######	EROSION MAT CLASS I TYPE B	(A)	INLET PROTECTION TYPE A
	EROSION MAT URBAN CLASS I TYPE B	(B)	INLET PROTECTION TYPE B
	SLOPE INTERCEPT	(C)	INLET PROTECTION TYPE C
	SILT FENCE	(D)	INLET PROTECTION TYPE D
HDSF	HEAVY DUTY SILT FENCE	CONC	CONCRETE SURFACE DRAIN (SEE S.D.D. FOR ACTUAL LAYOUT)
	CULVERT PIPE CHECK	R	ROCK BAGS
	SURFACE WATER FLOW	F	FILTER BAGS
ST	SEDIMENT TRAP		TEMPORARY DITCH CHECK
			RIPRAP (MEDIUM UNLESS NOTED)

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	EROSION CONTROL: MAINLINE

FILE NAME : P:\44xx\4444_DP.I94.RAC\Racine\CADDS\WZ Prep_142-G\CDS\022002_EC.dgn PLOT DATE : 12/12/2017 PLOT BY : hxt PLOT NAME : PLOT SCALE : 1:100

2

N

EXIST R/W

WETLAND BOUNDARY

WEST FRONTAGE ROAD

EXIST R/W

IH 94 SB

R/L IH 94

934 936 938 940 942 944 946

IH 94 NB

MATCHLINE 948+00

ST

WETLAND BOUNDARY

EAST FRONTAGE ROAD

SLOPE INTERCEPT

EXIST R/W

EXIST R/W

NOTES:

CULVERT END TREATMENTS SHALL BE STABILIZED BEFORE FLOW IS ALLOWED THROUGH PIPE.

TACKIFY AND CRIMP MULCH THAT IS DIRECTLY ADJACENT TO THE FREEWAY.

EROSION CONTROL DEVICES SHALL REMAIN IN PLANE AFTER CONSTRUCTION.

EROSION CONTROL LEGEND

- EROSION MAT CLASS I, TYPE B
- EROSION MAT CLASS I, URBAN, TYPE B
- SLOPE INTERCEPT
- SILT FENCE
- HDSF HEAVY DUTY SILT FENCE
- CULVERT PIPE CHECK
- WORK ZONE
- SURFACE WATER FLOW
- ST SEDIMENT TRAP
- A INLET PROTECTION TYPE A
- B INLET PROTECTION TYPE B
- C INLET PROTECTION TYPE C
- D INLET PROTECTION TYPE D
- CONC CONCRETE SURFACE DRAIN (SEE S.D.D. FOR ACTUAL LAYOUT)
- R ROCK BAGS
- TEMPORARY DITCH CHECK
- RIPRAP (MEDIUM UNLESS NOTED)

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	EROSION CONTROL: MAINLINE	SHEET	E

FILE NAME : P:\44xx\4444_DP.I94.RAC\Racine\CADDS\WZ Prep_142-G\CDS\022009_EC_16MN.dgn PLOT DATE : 12/12/2017 PLOT BY : hxt PLOT NAME : PLOT SCALE : 1:100

2

N

EXIST R/W

WEST FRONTAGE ROAD

EXIST R/W

WETLAND BOUNDARY

MATCHLINE 948+00

IH 94 SB

IH 94 NB

950 952 954 956 958 960

R/L IH 94

MATCHLINE 962+00

WETLAND BOUNDARY

EAST FRONTAGE ROAD

SLOPE INTERCEPT

EXIST R/W

EXIST R/W

NOTES:

CULVERT END TREATMENTS SHALL BE STABILIZED BEFORE FLOW IS ALLOWED THROUGH PIPE.

TACKIFY AND CRIMP MULCH THAT IS DIRECTLY ADJACENT TO THE FREEWAY.

EROSION CONTROL DEVICES SHALL REMAIN IN PLANE AFTER CONSTRUCTION.

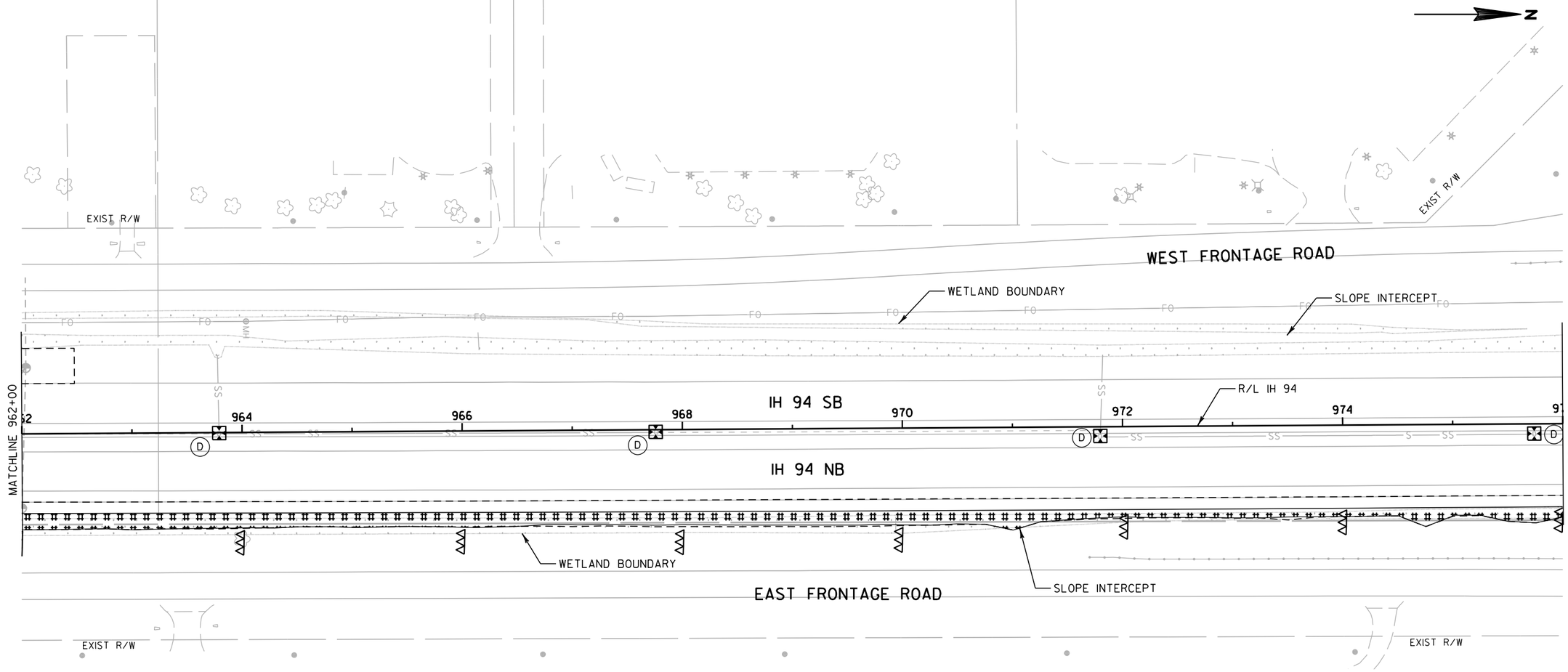
EROSION CONTROL LEGEND

- EROSION MAT CLASS I, TYPE B
- EROSION MAT CLASS I, URBAN, TYPE B
- SLOPE INTERCEPT
- SILT FENCE
- HDSF HEAVY DUTY SILT FENCE
- CULVERT PIPE CHECK
- WORK ZONE
- SURFACE WATER FLOW
- ST SEDIMENT TRAP
- A INLET PROTECTION TYPE A
- B INLET PROTECTION TYPE B
- C INLET PROTECTION TYPE C
- D INLET PROTECTION TYPE D
- CONC CONCRETE SURFACE DRAIN (SEE S.D.D. FOR ACTUAL LAYOUT)
- R ROCK BAGS
- TEMPORARY DITCH CHECK
- RIPRAP (MEDIUM UNLESS NOTED)

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	EROSION CONTROL: MAINLINE	SHEET 38	E

FILE NAME : P:\44xx\4444_DP.I94.RAC\Racine\CADDS\WZ Prep_142-G\CDS\022010_EC_16MN.dgn PLOT DATE : 12/12/2017 PLOT BY : hxt PLOT NAME : PLOT SCALE : 1:100

2



NOTES:

CULVERT END TREATMENTS SHALL BE STABILIZED BEFORE FLOW IS ALLOWED THROUGH PIPE.

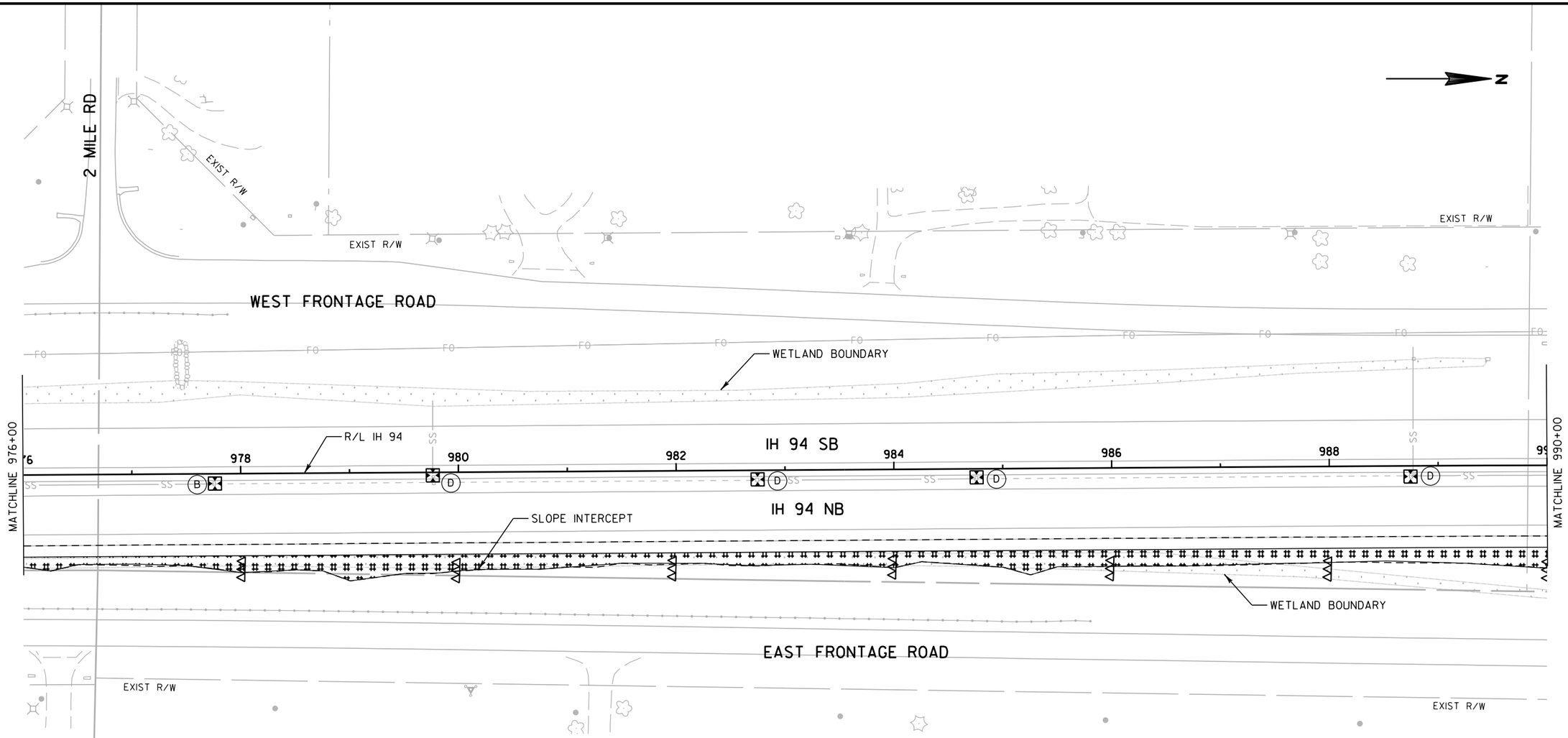
TACKIFY AND CRIMP MULCH THAT IS DIRECTLY ADJACENT TO THE FREEWAY.

EROSION CONTROL DEVICES SHALL REMAIN IN PLANE AFTER CONSTRUCTION.

EROSION CONTROL LEGEND

######	EROSION MAT CLASS I, TYPE B	(A)	INLET PROTECTION TYPE A
	EROSION MAT CLASS I, URBAN, TYPE B	(B)	INLET PROTECTION TYPE B
_ _ _	SLOPE INTERCEPT	(C)	INLET PROTECTION TYPE C
	SILT FENCE	(D)	INLET PROTECTION TYPE D
HDSF	HEAVY DUTY SILT FENCE	CONC	CONCRETE SURFACE DRAIN (SEE S.D.D. FOR ACTUAL LAYOUT)
	CULVERT PIPE CHECK	R	ROCK BAGS
	WORK ZONE		TEMPORARY DITCH CHECK
	SURFACE WATER FLOW		RIPRAP (MEDIUM UNLESS NOTED)
ST	SEDIMENT TRAP		

2



NOTES:

CULVERT END TREATMENTS SHALL BE STABILIZED BEFORE FLOW IS ALLOWED THROUGH PIPE.

TACKIFY AND CRIMP MULCH THAT IS DIRECTLY ADJACENT TO THE FREEWAY.

EROSION CONTROL DEVICES SHALL REMAIN IN PLANE AFTER CONSTRUCTION.

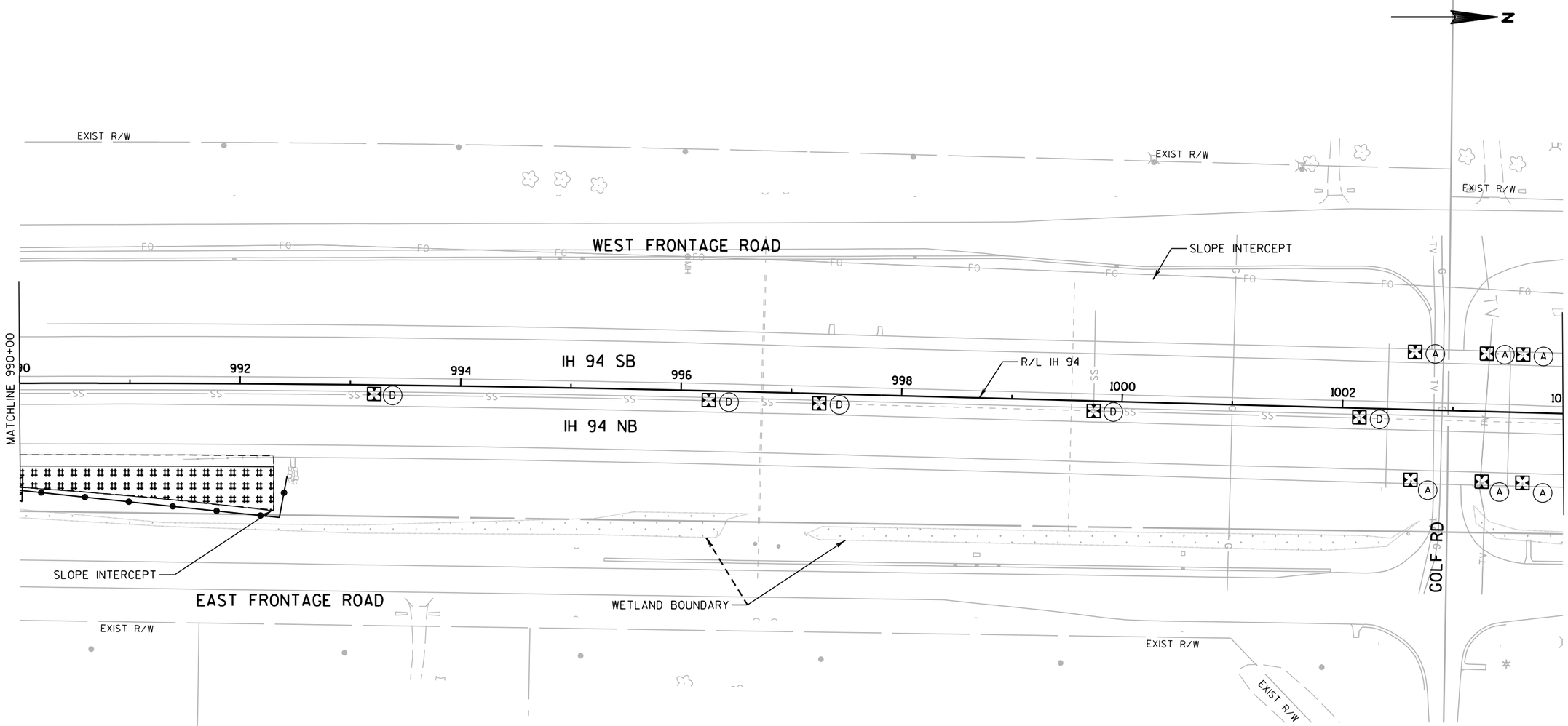
EROSION CONTROL LEGEND

######	EROSION MAT CLASS I, TYPE B	A	INLET PROTECTION TYPE A
	EROSION MAT CLASS I, URBAN, TYPE B	B	INLET PROTECTION TYPE B
_ _ _ /	SLOPE INTERCEPT	C	INLET PROTECTION TYPE C
SF	SILT FENCE	D	INLET PROTECTION TYPE D
HDSF	HEAVY DUTY SILT FENCE	CONC	CONCRETE SURFACE DRAIN (SEE S.D.D. FOR ACTUAL LAYOUT)
OOO	CULVERT PIPE CHECK	R	ROCK BAGS
	WORK ZONE	△△△	TEMPORARY DITCH CHECK
~→	SURFACE WATER FLOW		RIPRAP (MEDIUM UNLESS NOTED)
ST	SEDIMENT TRAP		

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	EROSION CONTROL: MAINLINE	SHEET 40	E

FILE NAME : P:\44xx\4444_DP.I94.RAC\Racine\CADDS\WZ Prep_142-G\CDS\022012_EC_16MN.dgn PLOT DATE : 12/12/2017 PLOT BY : hxt PLOT NAME : PLOT SCALE : 1:100

2



NOTES:

CULVERT END TREATMENTS SHALL BE STABILIZED BEFORE FLOW IS ALLOWED THROUGH PIPE.

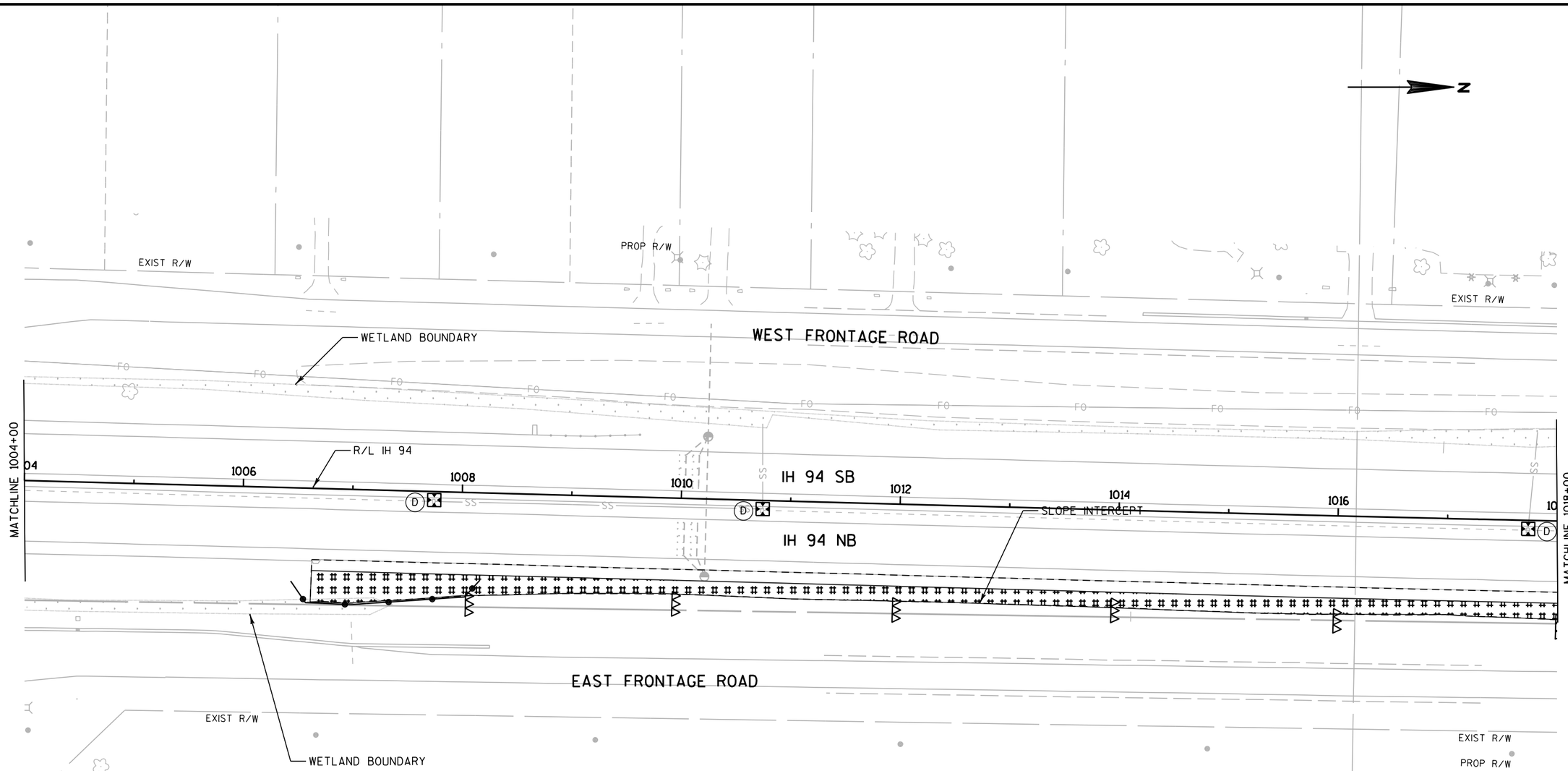
TACKIFY AND CRIMP MULCH THAT IS DIRECTLY ADJACENT TO THE FREEWAY.

EROSION CONTROL DEVICES SHALL REMAIN IN PLANE AFTER CONSTRUCTION.

EROSION CONTROL LEGEND

- EROSION MAT CLASS I, TYPE B
- EROSION MAT CLASS I, URBAN, TYPE B
- SLOPE INTERCEPT
- SILT FENCE
- HDSF — HEAVY DUTY SILT FENCE
- CULVERT PIPE CHECK
- WORK ZONE
- SURFACE WATER FLOW
- ST — SEDIMENT TRAP
- A — INLET PROTECTION TYPE A
- B — INLET PROTECTION TYPE B
- C — INLET PROTECTION TYPE C
- D — INLET PROTECTION TYPE D
- CONC — CONCRETE SURFACE DRAIN (SEE S.D.D. FOR ACTUAL LAYOUT)
- R — ROCK BAGS
- TEMPORARY DITCH CHECK
- RIPRAP (MEDIUM UNLESS NOTED)

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	EROSION CONTROL: MAINLINE	SHEET 41	E



NOTES:

CULVERT END TREATMENTS SHALL BE STABILIZED BEFORE FLOW IS ALLOWED THROUGH PIPE.

TACKIFY AND CRIMP MULCH THAT IS DIRECTLY ADJACENT TO THE FREEWAY.

EROSION CONTROL DEVICES SHALL REMAIN IN PLANE AFTER CONSTRUCTION.

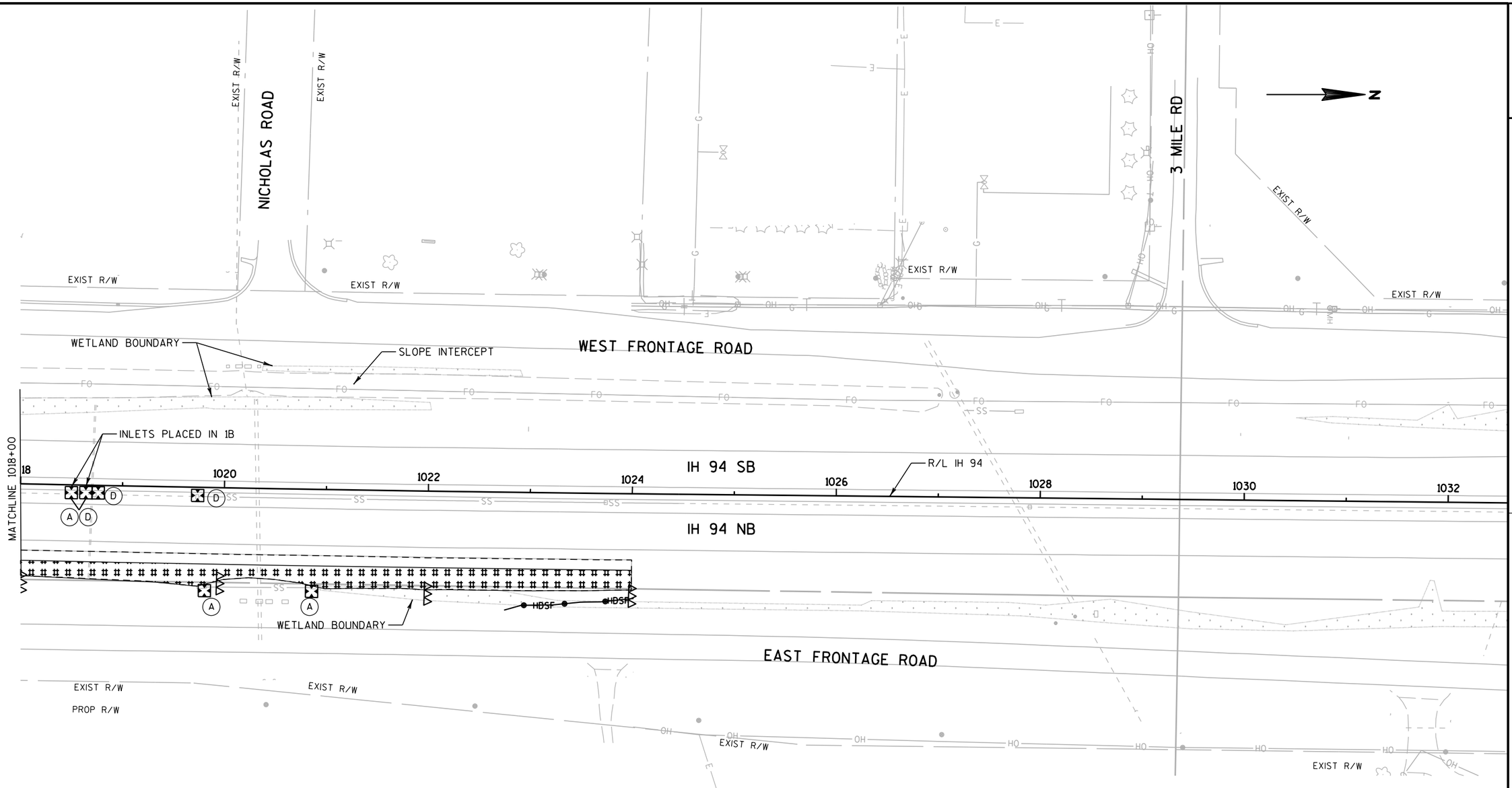
EROSION CONTROL LEGEND

- EROSION MAT CLASS I, TYPE B
- EROSION MAT CLASS I, URBAN, TYPE B
- SLOPE INTERCEPT
- SILT FENCE
- HDSF HEAVY DUTY SILT FENCE
- CULVERT PIPE CHECK
- WORK ZONE
- SURFACE WATER FLOW
- ST SEDIMENT TRAP
- A INLET PROTECTION TYPE A
- B INLET PROTECTION TYPE B
- C INLET PROTECTION TYPE C
- D INLET PROTECTION TYPE D
- CONC CONCRETE SURFACE DRAIN (SEE S.D.D. FOR ACTUAL LAYOUT)
- R ROCK BAGS
- TEMPORARY DITCH CHECK
- RIPRAP (MEDIUM UNLESS NOTED)

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	EROSION CONTROL: MAINLINE	SHEET 42	E

FILE NAME : P:\44xx\4444_DP.I94.RAC\Racine\CADDS\WZ Prep_142-G\CDS\022014_EC_16MN.dgn PLOT DATE : 12/12/2017 PLOT BY : hxt PLOT NAME : PLOT SCALE : 1:100

2



NOTES:

CULVERT END TREATMENTS SHALL BE STABILIZED BEFORE FLOW IS ALLOWED THROUGH PIPE.

TACKIFY AND CRIMP MULCH THAT IS DIRECTLY ADJACENT TO THE FREEWAY.

EROSION CONTROL DEVICES SHALL REMAIN IN PLANE AFTER CONSTRUCTION.

EROSION CONTROL LEGEND

######	EROSION MAT CLASS I, TYPE B	(A)	INLET PROTECTION TYPE A
	EROSION MAT CLASS I, URBAN, TYPE B	(B)	INLET PROTECTION TYPE B
_ _ _ /	SLOPE INTERCEPT	(C)	INLET PROTECTION TYPE C
	SILT FENCE	(D)	INLET PROTECTION TYPE D
HDSF	HEAVY DUTY SILT FENCE	CONC	CONCRETE SURFACE DRAIN (SEE S.D.D. FOR ACTUAL LAYOUT)
	CULVERT PIPE CHECK	R	ROCK BAGS
	WORK ZONE		TEMPORARY DITCH CHECK
	SURFACE WATER FLOW		RIPRAP (MEDIUM UNLESS NOTED)
ST	SEDIMENT TRAP		

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	EROSION CONTROL: MAINLINE	SHEET 43	E

FILE NAME : P:\44xx\4444_DP.I94.RAC\Racine\CADDS\WZ Prep_142-G\CDS\022015_EC_16MN.dgn PLOT DATE : 12/12/2017 PLOT BY : hxt PLOT NAME : PLOT SCALE : 1:100

2

2

N

EVANS LN

EXIST R/W

EXIST R/W

EXIST R/W

WEST FRONTAGE ROAD

WETLAND BOUNDARY

IH 94 SB

IH 94 NB

R/L IH 94

888 890 892 894 896 898 900

MATCHLINE 902+00

CTH C

R/L EAST FRONTAGE ROAD

EAST FRONTAGE ROAD

EXIST R/W

NOTES:

CULVERT END TREATMENTS SHALL BE STABILIZED BEFORE FLOW IS ALLOWED THROUGH PIPE.

TACKIFY AND CRIMP MULCH THAT IS DIRECTLY ADJACENT TO THE FREEWAY.

EROSION CONTROL DEVICES SHALL REMAIN IN PLACE AFTER CONSTRUCTION.

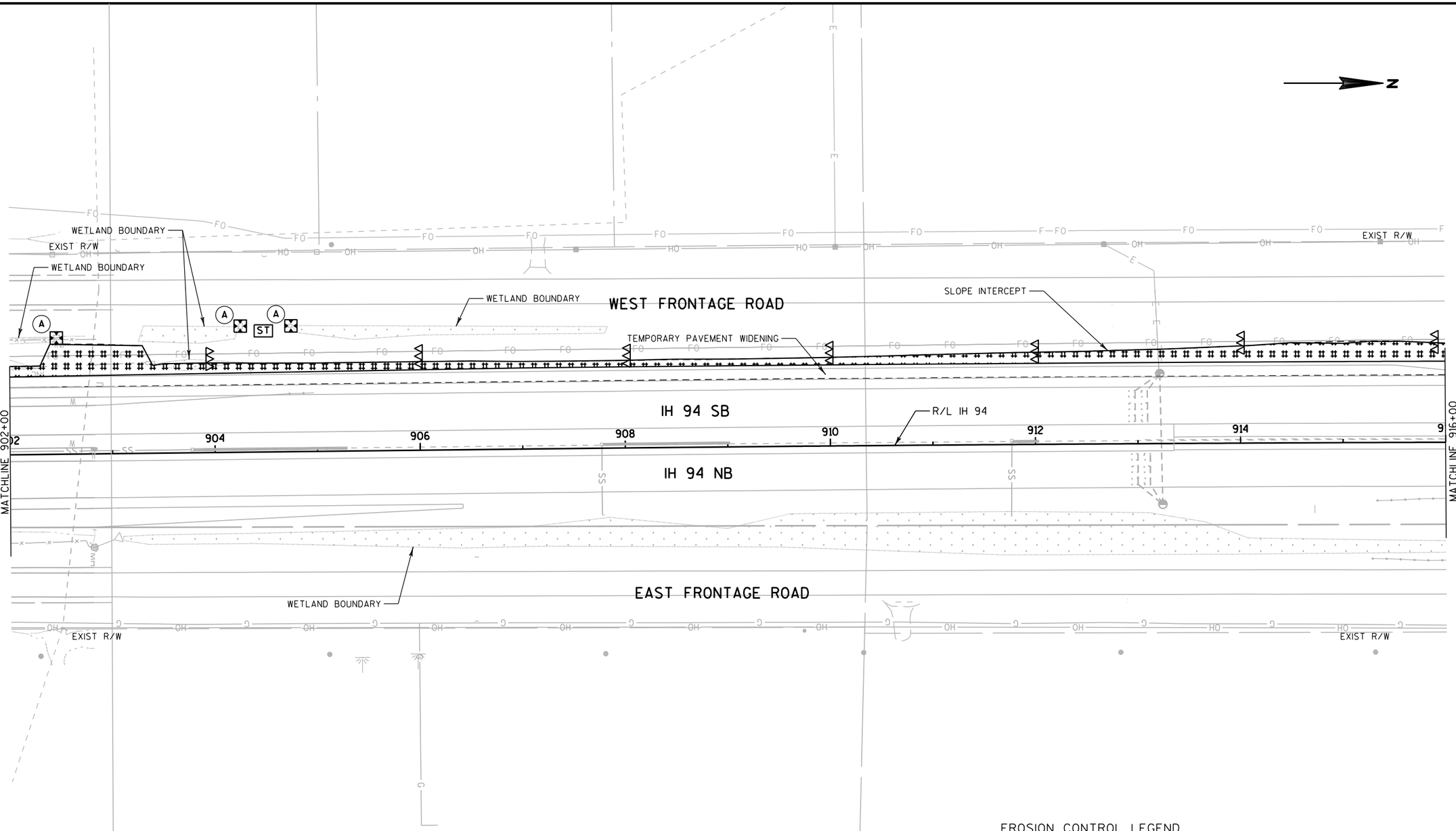
EROSION CONTROL LEGEND

######	EROSION MAT CLASS I, TYPE B	(A)	INLET PROTECTION TYPE A
	EROSION MAT CLASS I, URBAN, TYPE B	(B)	INLET PROTECTION TYPE B
	SLOPE INTERCEPT	(C)	INLET PROTECTION TYPE C
	SILT FENCE	(D)	INLET PROTECTION TYPE D
HDSF	HEAVY DUTY SILT FENCE	CONC	CONCRETE SURFACE DRAIN (SEE S.D.D. FOR ACTUAL LAYOUT)
	WORK ZONE		TEMPORARY DITCH CHECK
	CULVERT PIPE DITCH CHECK		SURFACE WATER FLOW
	RIPRAP (SIZE AS NOTED)	ST	SEDIMENT TRAP

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	EROSION CONTROL: MAINLINE	SHEET 44	E

FILE NAME : P:\44xx\4444_DP.I94.RAC\Racine\CADDS\WZ Prep_142-G\CDS\022003_EC_16MS.dgn PLOT DATE : 12/12/2017 PLOT BY : hxt PLOT NAME : PLOT SCALE : 1:100

2



NOTES:

CULVERT END TREATMENTS SHALL BE STABILIZED BEFORE FLOW IS ALLOWED THROUGH PIPE.

TACKIFY AND CRIMP MULCH THAT IS DIRECTLY ADJACENT TO THE FREEWAY.

EROSION CONTROL DEVICES SHALL REMAIN IN PLANE AFTER CONSTRUCTION.

EROSION CONTROL LEGEND

######	EROSION MAT CLASS I, TYPE B	(A)	INLET PROTECTION TYPE A
	EROSION MAT CLASS I, URBAN, TYPE B	(B)	INLET PROTECTION TYPE B
_ _ /	SLOPE INTERCEPT	(C)	INLET PROTECTION TYPE C
-●-●-	SILT FENCE	(D)	INLET PROTECTION TYPE D
-●HDSF●-	HEAVY DUTY SILT FENCE	CONC	CONCRETE SURFACE DRAIN (SEE S.D.D. FOR ACTUAL LAYOUT)
	WORK ZONE	△△△	TEMPORARY DITCH CHECK
○○○	CULVERT PIPE DITCH CHECK	~~→	SURFACE WATER FLOW
	RIPRAP (SIZE AS NOTED)	ST	SEDIMENT TRAP

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	EROSION CONTROL: MAINLINE	SHEET 45	E

FILE NAME : P:\44xx\4444_DP.I94.RAC\Racine\CADDS\WZ Prep_142-G\CDS\022004_EC_16MS.dgn PLOT DATE : 12/12/2017 PLOT BY : hxt PLOT NAME : PLOT SCALE : 1:100

2

N

50TH ROAD

EXIST R/W

WETLAND BOUNDARY

WEST FRONTAGE ROAD

TEMPORARY PAVEMENT WIDENING

MATCHLINE 916+00

IH 94 SB

916 918 920 922 924 926 928 930

R/L IH 94

IH 94 NB

MATCHLINE 930+00

WETLAND BOUNDARY

WETLAND BOUNDARY

WETLAND BOUNDARY

EAST FRONTAGE ROAD

EXIST R/W

PROP R/W

KRAUT ROAD

NOTES:

CULVERT END TREATMENTS SHALL BE STABILIZED BEFORE FLOW IS ALLOWED THROUGH PIPE.

TACKIFY AND CRIMP MULCH THAT IS DIRECTLY ADJACENT TO THE FREEWAY.

EROSION CONTROL DEVICES SHALL REMAIN IN PLANE AFTER CONSTRUCTION.

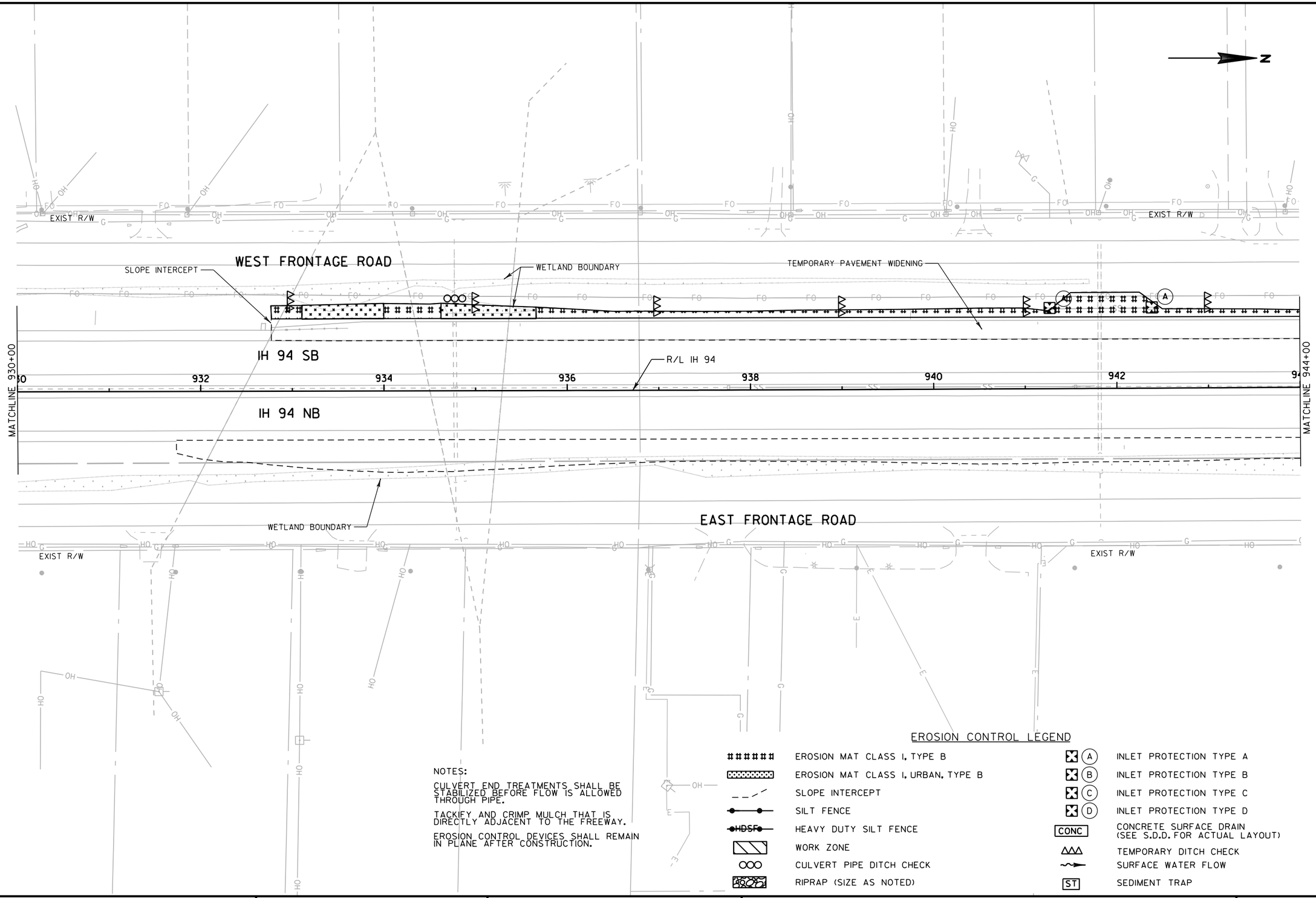
EROSION CONTROL LEGEND

#######	EROSION MAT CLASS I, TYPE B	(A)	INLET PROTECTION TYPE A
	EROSION MAT CLASS I, URBAN, TYPE B	(B)	INLET PROTECTION TYPE B
	SLOPE INTERCEPT	(C)	INLET PROTECTION TYPE C
	SILT FENCE	(D)	INLET PROTECTION TYPE D
HDSF	HEAVY DUTY SILT FENCE	CONC	CONCRETE SURFACE DRAIN (SEE S.D.D. FOR ACTUAL LAYOUT)
	WORK ZONE		TEMPORARY DITCH CHECK
	CULVERT PIPE DITCH CHECK		SURFACE WATER FLOW
	RIPRAP (SIZE AS NOTED)	ST	SEDIMENT TRAP

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	EROSION CONTROL: MAINLINE	SHEET 46	E

FILE NAME : P:\44xx\4444_DP.I94.RAC\Racine\CADDS\WZ Prep_142-G\CDS\022005_EC_16MS.dgn PLOT DATE : 12/12/2017 PLOT BY : hxt PLOT NAME : PLOT SCALE : 1:100

2



NOTES:

CULVERT END TREATMENTS SHALL BE STABILIZED BEFORE FLOW IS ALLOWED THROUGH PIPE.

TACKIFY AND CRIMP MULCH THAT IS DIRECTLY ADJACENT TO THE FREEWAY.

EROSION CONTROL DEVICES SHALL REMAIN IN PLANE AFTER CONSTRUCTION.

EROSION CONTROL LEGEND

######	EROSION MAT CLASS I, TYPE B	(A)	INLET PROTECTION TYPE A
	EROSION MAT CLASS I, URBAN, TYPE B	(B)	INLET PROTECTION TYPE B
	SLOPE INTERCEPT	(C)	INLET PROTECTION TYPE C
	SILT FENCE	(D)	INLET PROTECTION TYPE D
HDSF	HEAVY DUTY SILT FENCE	CONC	CONCRETE SURFACE DRAIN (SEE S.D.D. FOR ACTUAL LAYOUT)
	WORK ZONE		TEMPORARY DITCH CHECK
	CULVERT PIPE DITCH CHECK		SURFACE WATER FLOW
	RIPRAP (SIZE AS NOTED)	ST	SEDIMENT TRAP

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	EROSION CONTROL: MAINLINE	SHEET 47	E

FILE NAME : P:\44xx\4444_DP.I94.RAC\Racine\CADDS\WZ Prep_142-G\CDS\022006_EC_16MS.dgn PLOT DATE : 12/12/2017 PLOT BY : hxt PLOT NAME : PLOT SCALE : 1:100

2

N

PROP R/W

EXIST R/W

WEST FRONTAGE ROAD

TEMPORARY PAVEMENT WIDENING

RIPRAP MEDIUM
L=12 FT
W=6 FT

WETLAND BOUNDARY
SLOPE INTERCEPT

EXIST R/W

MATCHLINE 944+00

IH 94 SB

R/L IH 94

946 948 950 952 954 956

IH 94 NB

MATCHLINE 958+00

WETLAND BOUNDARY

R/L EAST FRONTAGE ROAD

EAST FRONTAGE ROAD

WETLAND BOUNDARY

EXIST R/W

EXIST R/W

NOTES:

CULVERT END TREATMENTS SHALL BE STABILIZED BEFORE FLOW IS ALLOWED THROUGH PIPE.

TACKIFY AND CRIMP MULCH THAT IS DIRECTLY ADJACENT TO THE FREEWAY.

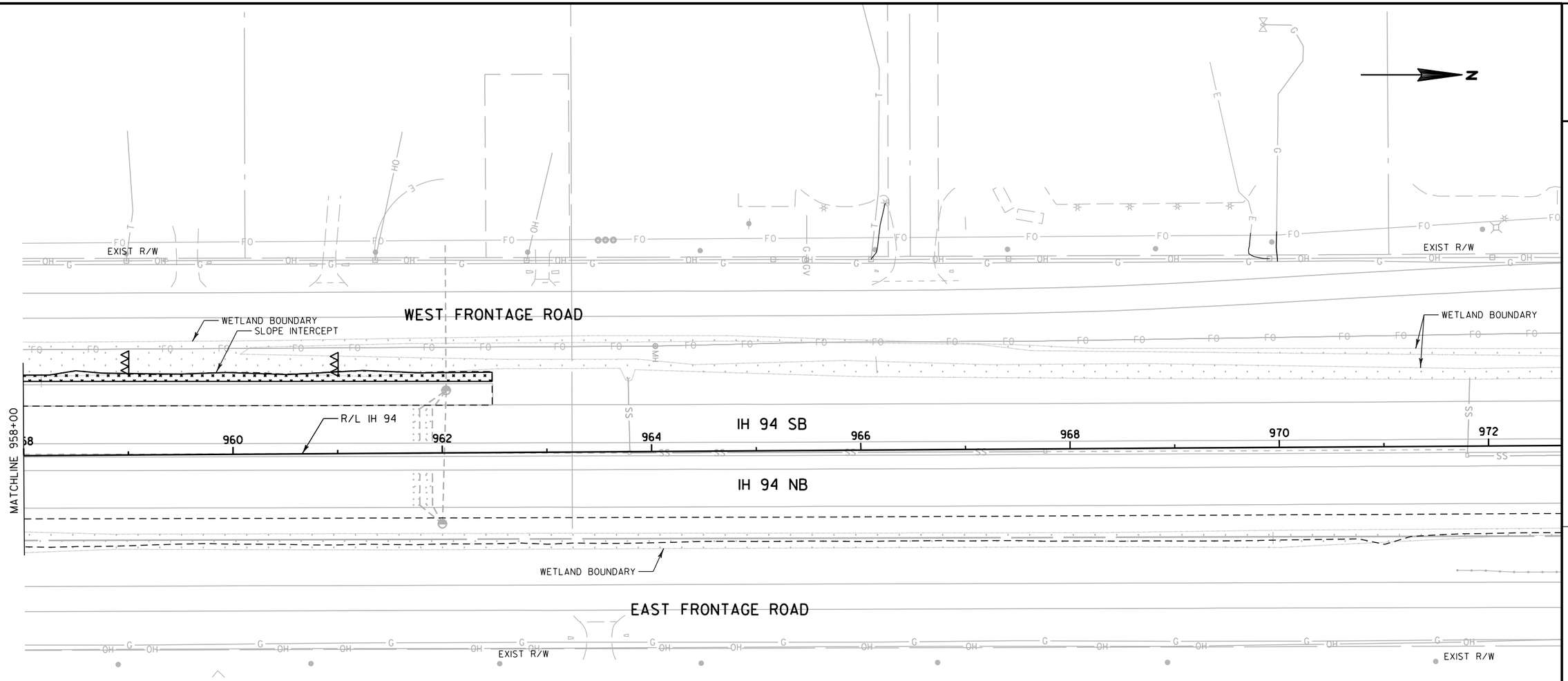
EROSION CONTROL DEVICES SHALL REMAIN IN PLANE AFTER CONSTRUCTION.

EROSION CONTROL LEGEND

######	EROSION MAT CLASS I, TYPE B	A	INLET PROTECTION TYPE A
	EROSION MAT CLASS I, URBAN, TYPE B	B	INLET PROTECTION TYPE B
_ _ _	SLOPE INTERCEPT	C	INLET PROTECTION TYPE C
	SILT FENCE	D	INLET PROTECTION TYPE D
HDSF	HEAVY DUTY SILT FENCE	CONC	CONCRETE SURFACE DRAIN (SEE S.D.D. FOR ACTUAL LAYOUT)
	WORK ZONE		TEMPORARY DITCH CHECK
	CULVERT PIPE DITCH CHECK		SURFACE WATER FLOW
	RIPRAP (SIZE AS NOTED)	ST	SEDIMENT TRAP

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	EROSION CONTROL: MAINLINE	SHEET	E

FILE NAME : P:\44xx\4444_DP.I94.RAC\Racine\CADDS\WZ Prep_142-G\CDS\022007_EC_16MS.dgn PLOT DATE : 12/12/2017 PLOT BY : hxt PLOT NAME : PLOT SCALE : 1:100



NOTES:

CULVERT END TREATMENTS SHALL BE STABILIZED BEFORE FLOW IS ALLOWED THROUGH PIPE.

TACKIFY AND CRIMP MULCH THAT IS DIRECTLY ADJACENT TO THE FREEWAY.

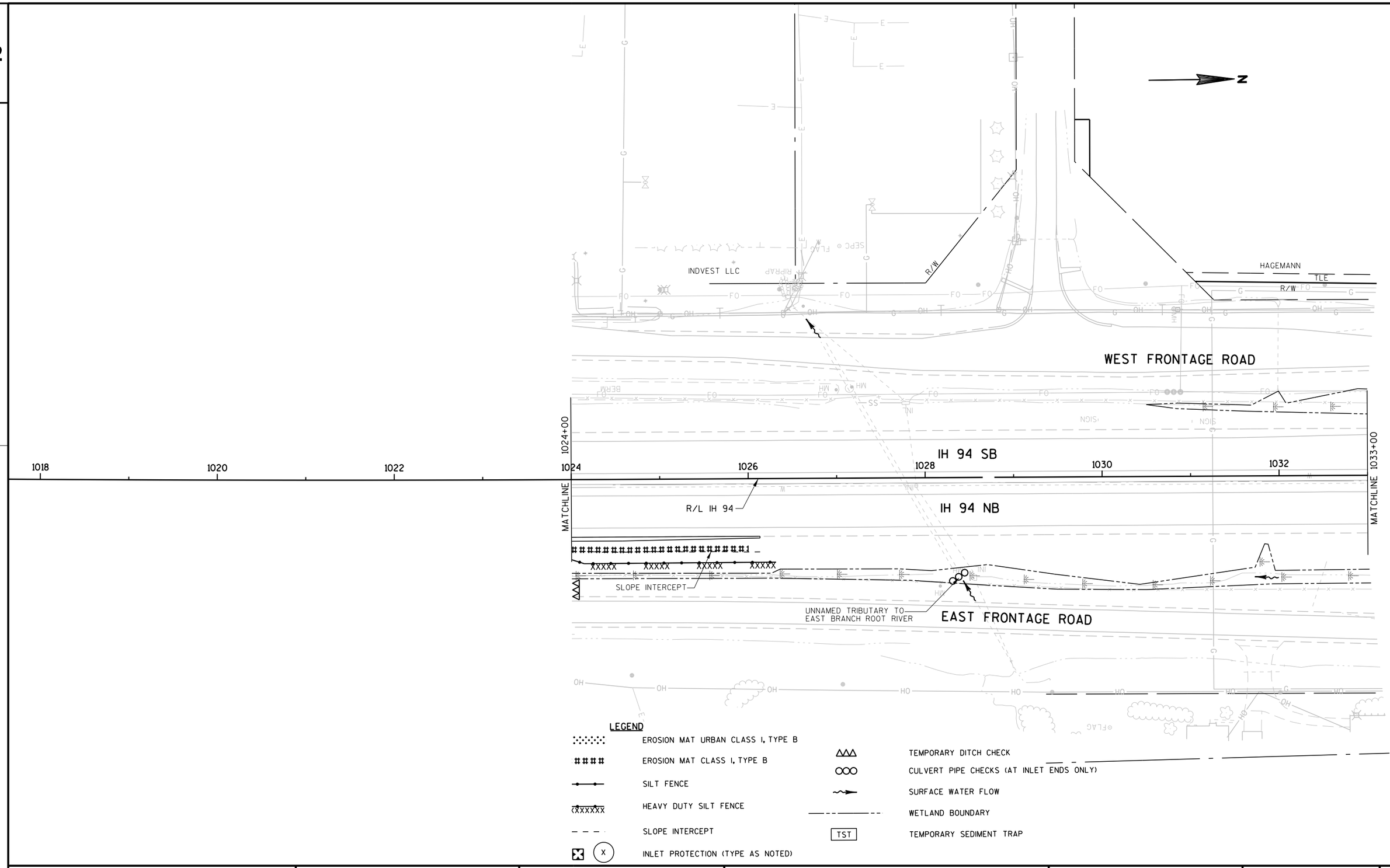
EROSION CONTROL DEVICES SHALL REMAIN IN PLANE AFTER CONSTRUCTION.

EROSION CONTROL LEGEND

######	EROSION MAT CLASS I, TYPE B	A	INLET PROTECTION TYPE A
	EROSION MAT CLASS I, URBAN, TYPE B	B	INLET PROTECTION TYPE B
_ _ /	SLOPE INTERCEPT	C	INLET PROTECTION TYPE C
	SILT FENCE	D	INLET PROTECTION TYPE D
HDSF	HEAVY DUTY SILT FENCE	CONC	CONCRETE SURFACE DRAIN (SEE S.D.D. FOR ACTUAL LAYOUT)
	WORK ZONE		TEMPORARY DITCH CHECK
	CULVERT PIPE DITCH CHECK		SURFACE WATER FLOW
	RIPRAP (SIZE AS NOTED)	ST	SEDIMENT TRAP

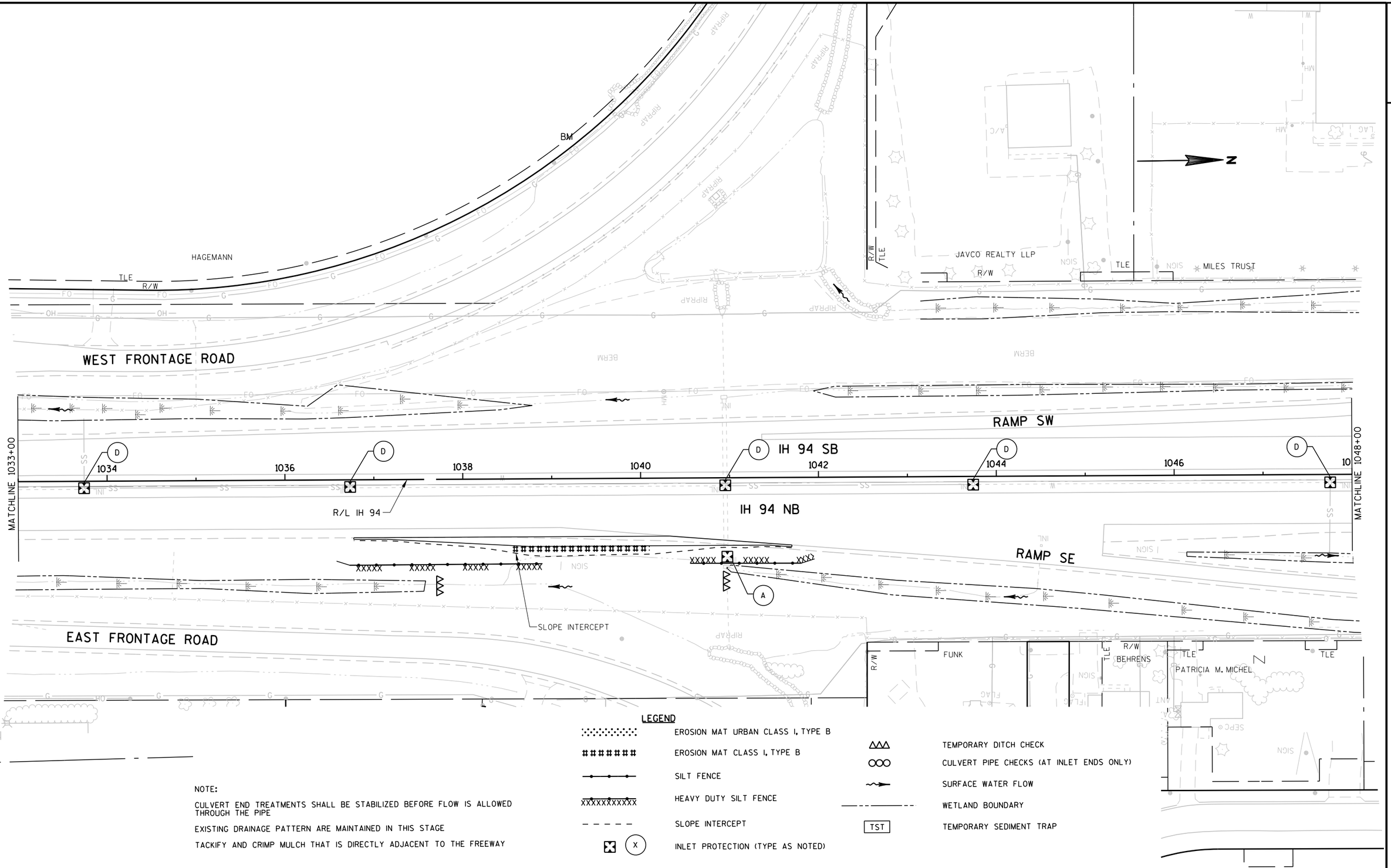
PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	EROSION CONTROL: MAINLINE	SHEET 49	E

2



PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	EROSION CONTROL	SCALE, FEET 0	SHEET 50	E

2



NOTE:

CULVERT END TREATMENTS SHALL BE STABILIZED BEFORE FLOW IS ALLOWED THROUGH THE PIPE

EXISTING DRAINAGE PATTERN ARE MAINTAINED IN THIS STAGE

TACKIFY AND CRIMP MULCH THAT IS DIRECTLY ADJACENT TO THE FREEWAY

LEGEND

- EROSION MAT URBAN CLASS I, TYPE B
- EROSION MAT CLASS I, TYPE B
- SILT FENCE
- HEAVY DUTY SILT FENCE
- SLOPE INTERCEPT
- INLET PROTECTION (TYPE AS NOTED)
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECKS (AT INLET ENDS ONLY)
- SURFACE WATER FLOW
- WETLAND BOUNDARY
- TST — TEMPORARY SEDIMENT TRAP

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	EROSION CONTROL	SCALE, FEET 0	SHEET 51	E

2

N

MILES TRUST
TLE
R/W
WELCH
BM #13
R/W
HWY K LLC
CTH K EB
CTH K WB
MARITA
R/W
OMEGA INVESTMENT INC
RAMP SW
RAMP NW
MATCHLINE 1048+00
IH 94 R/L
1048
1050
1052
1054
1056
1058
1060
D
1062
MATCHLINE 1063+00
IH 94 SB
R/L IH 94
IH 94 NB
RAMP SE
CAUTION
RAMP NE
TLE
PATRICIA MICHEL
TLE
R/W
JUNE M. MICHEL
MICHELS GARAGE INC
HRIBAR
MICHEL

NOTE:

CULVERT END TREATMENTS SHALL BE STABILIZED BEFORE FLOW IS ALLOWED THROUGH THE PIPE

EXISTING DRAINAGE PATTERN ARE MAINTAINED IN THIS STAGE

TACKIFY AND CRIMP MULCH THAT IS DIRECTLY ADJACENT TO THE FREEWAY

LEGEND

- EROSION MAT URBAN CLASS I, TYPE B
- EROSION MAT CLASS I, TYPE B
- SILT FENCE
- HEAVY DUTY SILT FENCE
- SLOPE INTERCEPT
- INLET PROTECTION (TYPE AS NOTED) — X
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECKS (AT INLET ENDS ONLY)
- SURFACE WATER FLOW
- WETLAND BOUNDARY
- TST — TEMPORARY SEDIMENT TRAP

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	EROSION CONTROL	SCALE, FEET 0	SHEET 52	E

2

N

OMEGA INVESMENT INC

R/W

WEST FRONTAGE ROAD

RAMP NW

OMEGA INVESMENT INC

R/W

RIPRAP

SIGN

INL

MH

F O

MATCHLINE 1063+00

1064

D

1066

1068

1070

1072

1074

1076

MATCHLINE 1078+00

IH 94 SB

R/L IH 94

IH 94 NB

SLOPE INTERCEPT

A

RAMP NE

EAST FRONTAGE ROAD

R/W

TLE

B F D ENTERPRISES

SS

LEGEND

- EROSION MAT URBAN CLASS I, TYPE B
- EROSION MAT CLASS I, TYPE B
- SILT FENCE
- HEAVY DUTY SILT FENCE
- SLOPE INTERCEPT
- INLET PROTECTION (TYPE AS NOTED) — X
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECKS (AT INLET ENDS ONLY)
- SURFACE WATER FLOW
- WETLAND BOUNDARY
- TST — TEMPORARY SEDIMENT TRAP

NOTE:

CULVERT END TREATMENTS SHALL BE STABILIZED BEFORE FLOW IS ALLOWED THROUGH THE PIPE

EXISTING DRAINAGE PATTERN ARE MAINTAINED IN THIS STAGE

TACKIFY AND CRIMP MULCH THAT IS DIRECTLY ADJACENT TO THE FREEWAY

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	EROSION CONTROL	SCALE, FEET 0	SHEET 53	E

FILE NAME : F:\BM1-1644D CTH K\10301172_M\Roads\cds\022004_ec.dgn PLOT DATE : 12-DEC-2017 08:22 PLOT BY : ceven PLOT NAME : 022004_ec PLOT SCALE : 100:1

2

N

OMEGA INVESTMENT INC

HUFFARD

R/W

TLE

HAYS

TLE

JOERNDT

NORTH SHORE INVESMENT

WEST FRONTAGE ROAD

MATCHLINE 1078+00

1078

1080

1082

1084

1086

1088

1090

1092

MATCHLINE 1093+00

IH 94 SB

IH 94 NB

R/L IH 94

SLOPE INTERCEPT

EAST FRONTAGE ROAD

B F D ENTERPRISES

FOUR MILE RD LLC

R/W

DOWDEN

WILLMS

NOTE:

CULVERT END TREATMENTS SHALL BE STABILIZED BEFORE FLOW IS ALLOWED THROUGH THE PIPE

EXISTING DRAINAGE PATTERN ARE MAINTAINED IN THIS STAGE

TACKIFY AND CRIMP MULCH THAT IS DIRECTLY ADJACENT TO THE FREEWAY

LEGEND

- EROSION MAT URBAN CLASS I, TYPE B
- EROSION MAT CLASS I, TYPE B
- SILT FENCE
- HEAVY DUTY SILT FENCE
- SLOPE INTERCEPT
- INLET PROTECTION (TYPE AS NOTED)
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECKS (AT INLET ENDS ONLY)
- SURFACE WATER FLOW
- WETLAND BOUNDARY
- TST — TEMPORARY SEDIMENT TRAP

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	EROSION CONTROL	SCALE, FEET 0	SHEET 54

FILE NAME : F:\BM1-1644D CTH K\10301172_M\Roads\cds\022005_ec.dgn PLOT DATE : 12-DEC-2017 08:22 PLOT BY : ceven PLOT NAME : 022005_ec PLOT SCALE : 100:1

2

EXIST R/W

EXIST R/W

WETLAND BOUNDARY

WETLAND BOUNDARY

WEST FRONTAGE ROAD

IH 94 SB

R/L IH 94

1094

1096

1098

1100

1102

R/L IH 94

1104

1106

IH 94 SB

IH 94 NB

IH 94 NB

MATCHLINE 1107+00

SLOPE INTERCEPTS

WETLAND BOUNDARY

SLOPE INTERCEPTS

EAST FRONTAGE ROAD

EXIST R/W

NOTES:

CULVERT END TREATMENTS SHALL BE STABILIZED BEFORE FLOW IS ALLOWED THROUGH PIPE.

TACKIFY AND CRIMP MULCH THAT IS DIRECTLY ADJACENT TO THE FREEWAY.

EROSION CONTROL DEVICES SHALL REMAIN IN PLANE AFTER CONSTRUCTION.

EROSION CONTROL LEGEND

#######	EROSION MAT CLASS ITYPE B	(A)	INLET PROTECTION TYPE A
	EROSION MAT URBAN CLASS ITYPE B	(B)	INLET PROTECTION TYPE B
	SLOPE INTERCEPT	(C)	INLET PROTECTION TYPE C
	SILT FENCE	(D)	INLET PROTECTION TYPE D
HDSF	HEAVY DUTY SILT FENCE	CONC	CONCRETE SURFACE DRAIN (SEE S.D.D. FOR ACTUAL LAYOUT)
	CULVERT PIPE CHECK	R	ROCK BAGS
	SURFACE WATER FLOW	F	FILTER BAGS
ST	SEDIMENT TRAP		TEMPORARY DITCH CHECK
			RIPRAP (MEDIUM UNLESS NOTED)

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	EROSION CONTROL: MAINLINE	

FILE NAME : P:\44xx\4444_DP.I94.RAC\Racine\CADDS\WZ Prep_142-G\CDS\022016_EC_18.dgn PLOT DATE : 12/12/2017 PLOT BY : hxt PLOT NAME : PLOT SCALE : 1:100

2

N

WEST FRONTAGE ROAD

EXIST R/W

WEIGH STATION

RAMP WSW

RAMP WNW

WETLAND BOUNDARY

WETLAND BOUNDARY

WETLAND BOUNDARY

R/L IH 94

IH 94 SB

IH 94 NB

MATCHLINE 1107+00

MATCHLINE 1122+00

1108 1110 1112 1114 1116 1118 1120

SLOPE INTERCEPTS

WETLAND BOUNDARY

EAST FRONTAGE ROAD

XIST R/W

BELL ROAD

EXIST R/W

EXIST R/W

NOTES:

CULVERT END TREATMENTS SHALL BE STABILIZED BEFORE FLOW IS ALLOWED THROUGH PIPE.

TACKIFY AND CRIMP MULCH THAT IS DIRECTLY ADJACENT TO THE FREEWAY.

EROSION CONTROL DEVICES SHALL REMAIN IN PLANE AFTER CONSTRUCTION.

EROSION CONTROL LEGEND

#######	EROSION MAT CLASS I TYPE B	(A)	INLET PROTECTION TYPE A
	EROSION MAT URBAN CLASS I TYPE B	(B)	INLET PROTECTION TYPE B
	SLOPE INTERCEPT	(C)	INLET PROTECTION TYPE C
	SILT FENCE	(D)	INLET PROTECTION TYPE D
HDSF	HEAVY DUTY SILT FENCE	CONC	CONCRETE SURFACE DRAIN (SEE S.D.D. FOR ACTUAL LAYOUT)
	CULVERT PIPE CHECK	R	ROCK BAGS
	SURFACE WATER FLOW	F	FILTER BAGS
ST	SEDIMENT TRAP		TEMPORARY DITCH CHECK
			RIPRAP (MEDIUM UNLESS NOTED)

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	EROSION CONTROL: MAINLINE	

FILE NAME : P:\44xx\4444_DP.I94.RAC\Racine\CADDS\WZ Prep_142-G\CDS\022017_EC_18.dgn PLOT DATE : 12/12/2017 PLOT BY : hxt PLOT NAME : PLOT SCALE : 1:100

2

N

EXIST R/W

EXIST R/W

EXIST R/W

5 MILE ROAD

WEST FRONTAGE ROAD

WETLAND BOUNDARY

MATCHLINE 1122+00

1122 1124 1126 1128 1130 1132 1134 1136

IH 94 SB

IH 94 NB

R/L IH 94

+00.00
-5.25' LT

+00.00
5.25' RT

HDSF

SLOPE INTERCEPTS

EAST FRONTAGE ROAD

WETLAND BOUNDARY

EXIST R/W

EXIST R/W

NOTES:

CULVERT END TREATMENTS SHALL BE STABILIZED BEFORE FLOW IS ALLOWED THROUGH PIPE.

TACKIFY AND CRIMP MULCH THAT IS DIRECTLY ADJACENT TO THE FREEWAY.

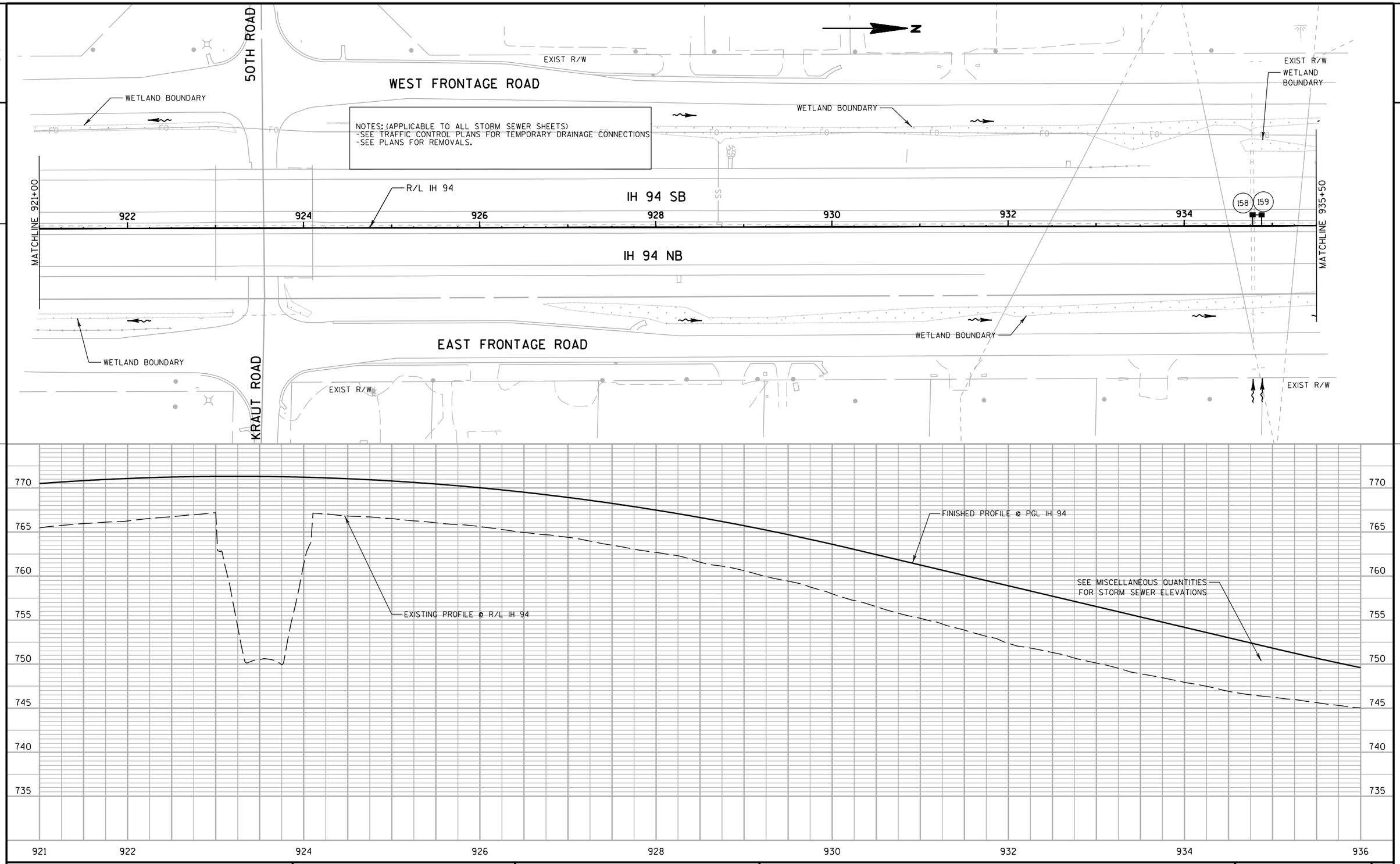
EROSION CONTROL DEVICES SHALL REMAIN IN PLANE AFTER CONSTRUCTION.

EROSION CONTROL LEGEND

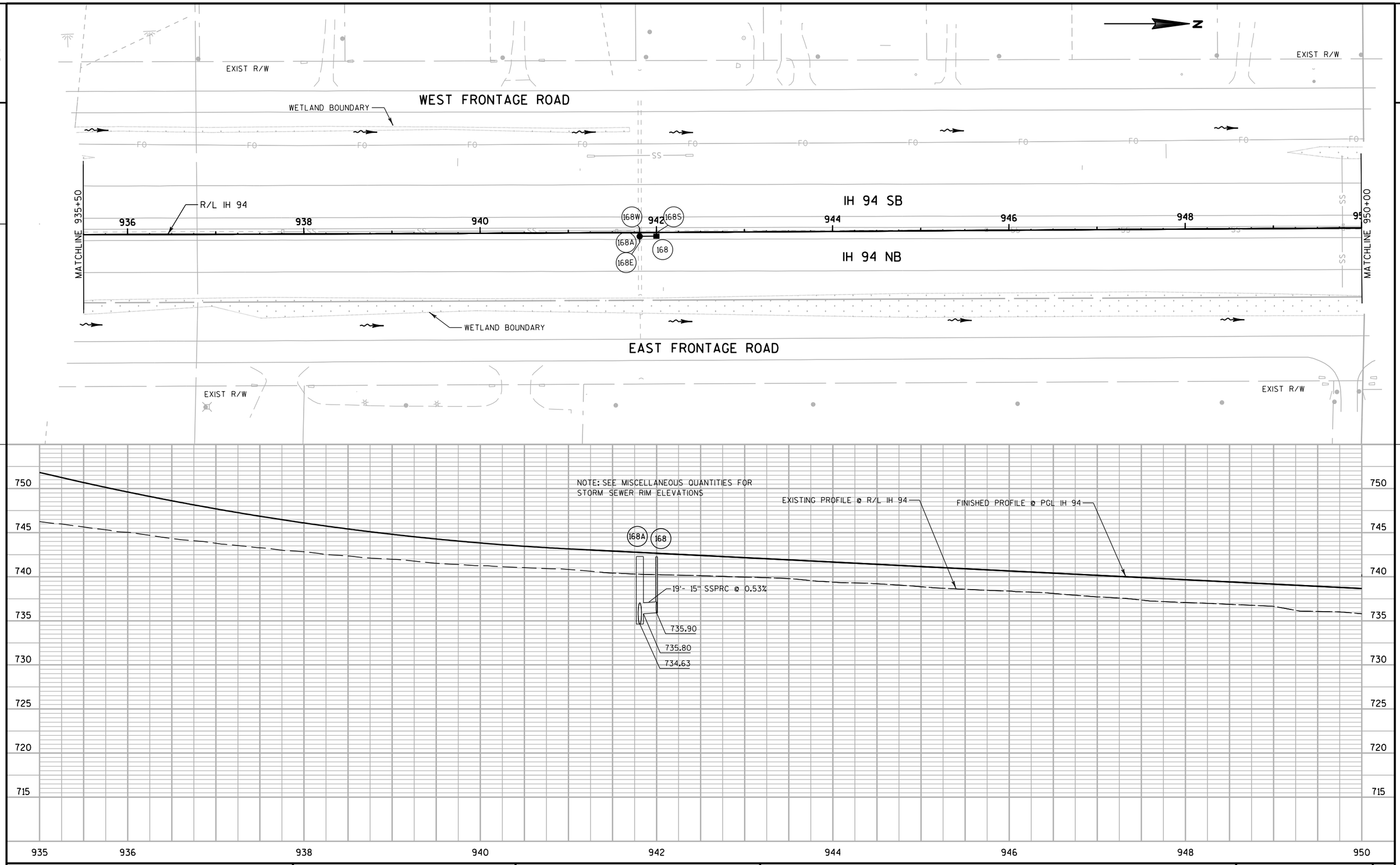
#######	EROSION MAT CLASS I TYPE B	A	INLET PROTECTION TYPE A
	EROSION MAT URBAN CLASS I TYPE B	B	INLET PROTECTION TYPE B
	SLOPE INTERCEPT	C	INLET PROTECTION TYPE C
	SILT FENCE	D	INLET PROTECTION TYPE D
HDSF	HEAVY DUTY SILT FENCE	CONC	CONCRETE SURFACE DRAIN (SEE S.D.D. FOR ACTUAL LAYOUT)
	CULVERT PIPE CHECK	R	ROCK BAGS
	SURFACE WATER FLOW	F	FILTER BAGS
ST	SEDIMENT TRAP		TEMPORARY DITCH CHECK
			RIPRAP (MEDIUM UNLESS NOTED)

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	EROSION CONTROL: MAINLINE	57

FILE NAME : P:\44xx\4444_DP.I94.RAC\Racine\CADDS\WZ Prep_142-G\CDS\022018_EC_18.dgn PLOT DATE : 12/12/2017 PLOT BY : hxt PLOT NAME : PLOT SCALE : 1:100



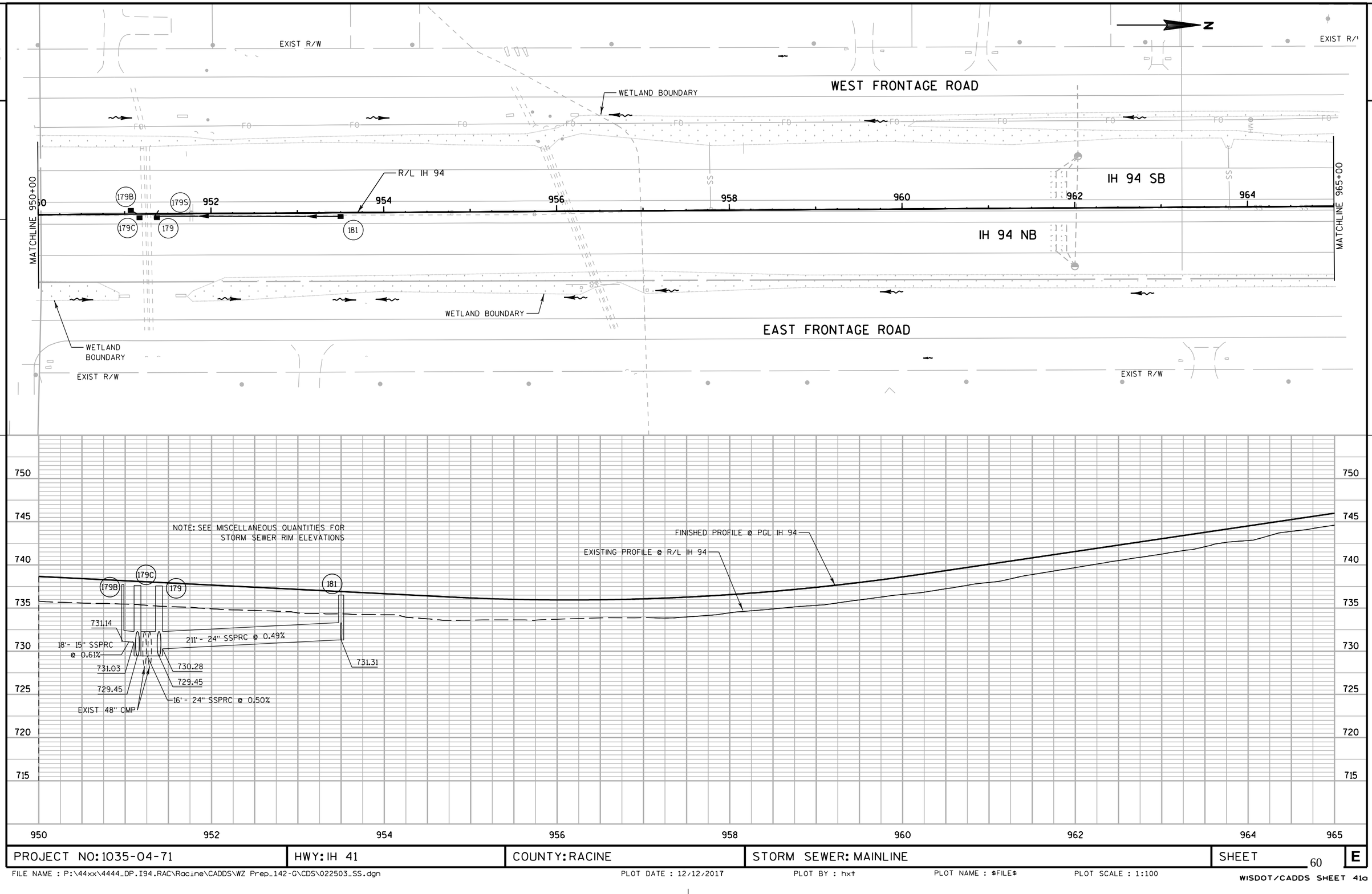
PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	STORM SEWER: MAINLINE	SHEET 58	E



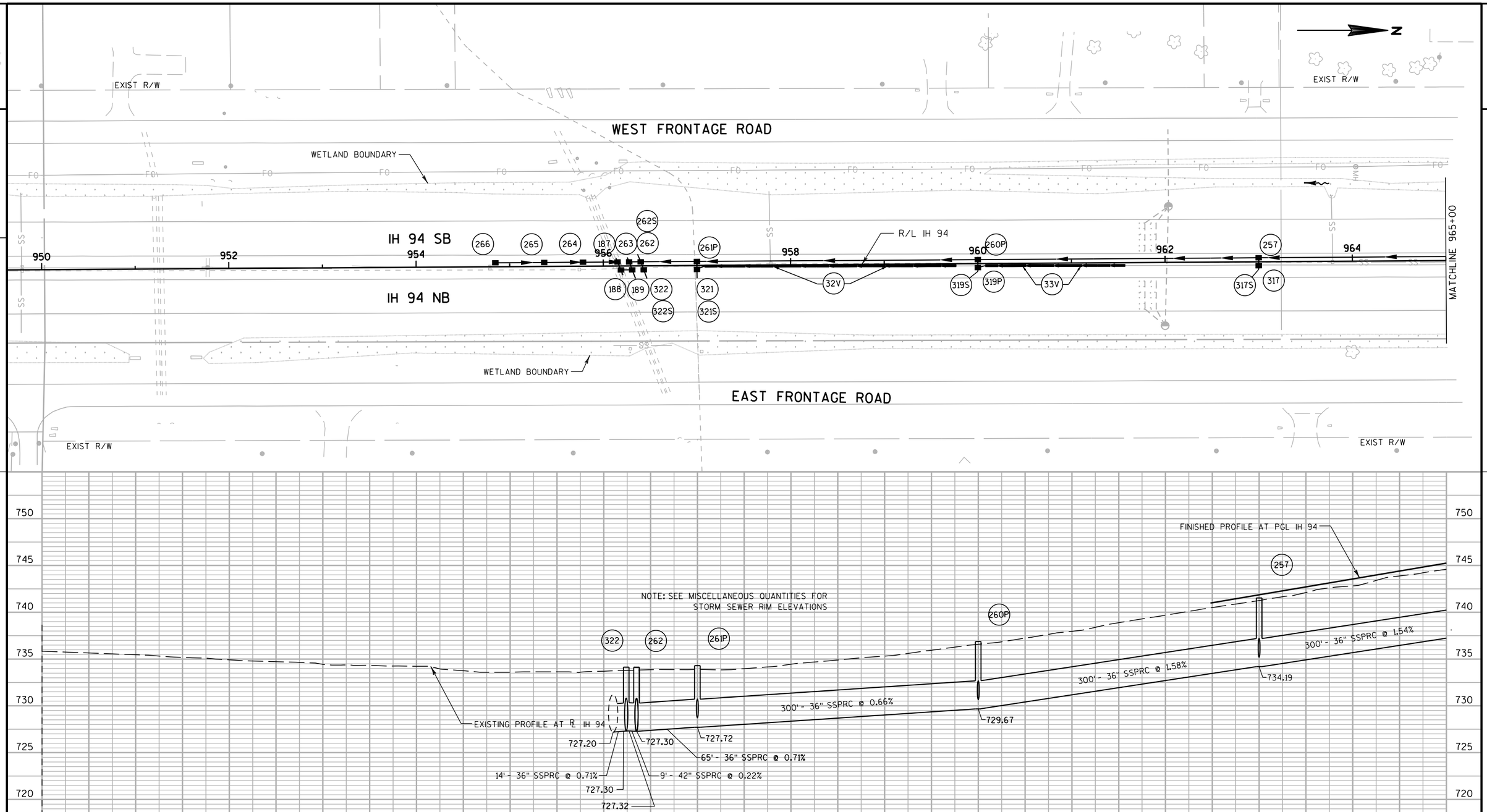
PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	STORM SEWER: MAINLINE	SHEET 59	E

FILE NAME : P:\44xx\4444_DP.I94.RAC\Racine\CADDS\WZ Prep_142-G\CDS\022502_SS.dgn PLOT DATE : 12/12/2017 PLOT BY : hxt PLOT NAME : $FILE$ PLOT SCALE : 1:100

WISDOT/CADDS SHEET 41a



PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	STORM SEWER: MAINLINE	SHEET 60	E



PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	STORM SEWER: MAINLINE	SHEET 61	E

FILE NAME : P:\44xx\4444_DP.I94.RAC\Racine\CADDS\WZ Prep_142-G\CDS\022504_SS.dgn PLOT DATE : 12/12/2017 PLOT BY : hxt PLOT NAME : $FILE$ PLOT SCALE : 1:100

WISDOT/CADDS SHEET 41a

EXIST R/W

EXIST R/W

2 MILE RD

EXIST R/W

N

WEST FRONTAGE ROAD

WETLAND BOUNDARY

MATCHLINE 965+00

MATCHLINE 980+00

IH 94 SB

R/L IH 94

IH 94 NB

256 256S 258B 315 315S

966 968 970 972 974 976 978

WETLAND BOUNDARY

EAST FRONTAGE ROAD

EXIST R/W

EXIST R/W

PROP R/W

NOTE: SEE MISCELLANEOUS QUANTITIES FOR STORM SEWER RIM ELEVATIONS

FINISHED PROFILE AT PGL IH 94

EXISTING PROFILE AT ℄ IH 94

256

176' - 36" SSPRC @ 0.50%

740.00

738.72

755 750 745 740 735 730 725 720

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	STORM SEWER: MAINLINE	SHEET 62	E

FILE NAME : P:\44xx\4444_DP.I94.RAC\Racine\CADDS\WZ Prep_142-G\CDS\022505_SS.dgn PLOT DATE : 12/12/2017 PLOT BY : hxt PLOT NAME : $FILE$ PLOT SCALE : 1:100

LEGEND

	EXISTING	PROPOSED
FTMS CONVENTIONAL SYMBOLS		
CCTV CAMERA AND POLE		
POLE MOUNTED CABINET		
METER BREAKER PEDESTAL		
STEEL PULL BOX		
24X42-INCH CSCP PULL BOX		
FTMS (ITS) CONDUIT		
BREAKER DISCONNECT BOX		
COMMUNICATIONS VAULT, TYPE 1		
HAR FLASHER SIGN ASSEMBLY		
TYPE 5 POLE AND MICROWAVE DETECTOR		
MICROWAVE VEHICLE DETECTOR DETECTION ZONE		

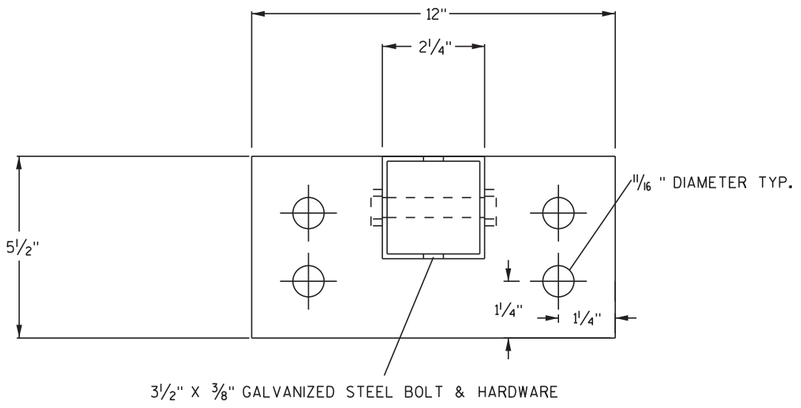
FTMS STANDARD ABBREVIATIONS

CB	CONTROLLER CABINET
CCTV	CLOSED CIRCUIT TELEVISION SITE
CV	COMMUNICATIONS VAULT
PB	PULL BOX
EX	EXISTING
SDS	SYSTEM DETECTOR STATION
FOC	FIBER OPTIC CABLE
F.O.	FIBER OPTIC
MD	MICROWAVE DETECTOR
S-F	STATE-FURNISHED

FTMS GENERAL NOTES

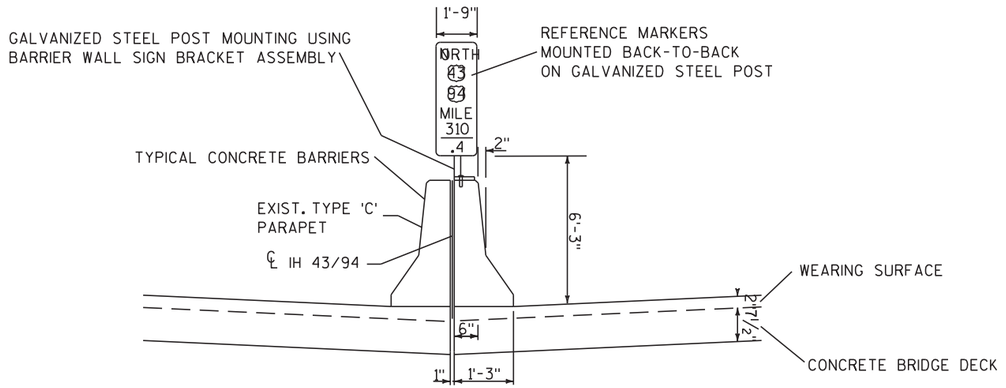
1. THESE PLANS AND THE ASSOCIATED SPECIAL PROVISIONS REFLECT CONDITIONS KNOWN DURING THE DEVELOPMENT OF THE PLANS AND TECHNICAL SPECIAL PROVISIONS. ALL SCALES, DIMENSIONS AND LOCATIONS SHOWN IN THESE PLANS ARE APPROXIMATE. ACTUAL PHYSICAL FIELD CONDITIONS SHALL PROVIDE THE BASIS FOR THE APPLICATION OF 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.
2. 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.
3. 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.
4. NO TREES (AND/OR SHRUBS) SHALL BE REMOVED WITHOUT APPROVAL OF THE ENGINEER.
5. AREAS WITHIN THE RIGHT-OF-WAY DISTURBED SPECIFICALLY FOR FTMS CONSTRUCTION SHALL BE RESTORED TO THE ORIGINAL CONDITION WITH TOPSOIL, FERTILIZER, SEED, AND EROSION MAT, AND SHALL BE INCLUDED IN THE COST OF INSTALLING FTMS ITEMS. RESTORATION FOR AREAS DISTURBED FOR OTHER CONSTRUCTION OPERATIONS BUT ALSO CONTAINING FTMS CONSTRUCTION SHALL BE DONE ACCORDING TO REQUIREMENTS AND PAYMENT PROVISIONS FOR THE OTHER CONSTRUCTION OPERATIONS.
6. 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.
7. DUE TO RAMP, LANE, SHOULDER CLOSURE RESTRICTIONS, AND WORK UNDER OTHER CONTRACTS, SOME WORK MAY BE REQUIRED TO BE PERFORMED AT NIGHT.
8. THE CONTRACTOR IS FULLY RESPONSIBLE FOR COORDINATING RAMP, LANE, SHOULDER, AND ROADWAY CLOSURES WITH OTHER CONTRACTS IN THE AREA.
9. THE CONTRACTOR SHALL 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.
10. ALL LOOP DETECTORS ARE STATIONED TO CENTER OF LEADING EDGE AS APPROACHED BY NORMAL VEHICLE PATH.
11. HAND DIG TRENCHES CROSSING EXISTING CONDUIT CONTAINING FIBER OPTIC CABLE.
12. VISUALLY VERIFY DEPTHS OF EXISTING CONDUITS CONTAINING FIBER OPTIC CABLE PRIOR TO CROSSING BY DIRECTIONAL BORE OR SPECIAL METHOD.

BARRIER WALL SIGN BRACKET ASSEMBLY
NOT TO SCALE

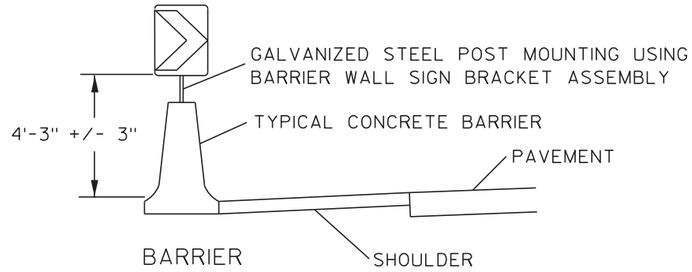


PLAN VIEW

ELEVATION VIEW

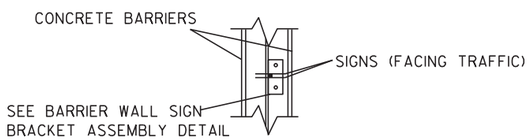


DOUBLE MEDIAN BRIDGE PARAPET



DOUBLE MEDIAN BARRIER

TYPICAL SIGN PLACEMENT DETAILS



PLAN VIEW

MEDIAN BRIDGE PARAPET MOUNTING DETAIL

NOTES

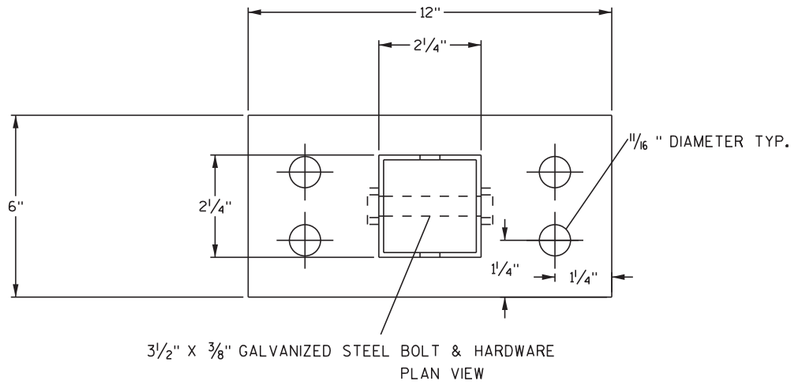
1) ALL WORK AND MATERIALS SHALL BE IN ACCORDANCE WITH STANDARD SPECIFICATION
2) ALL MATERIAL TO BE APPROVED BY ENGINEER BEFORE INSTALLATION
3) SEE SIGN PLATE A4-8 FOR BOLT REQUIREMENTS.

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	OFFSET MILE MARKER MOUNTING DETAIL	SHEET	E

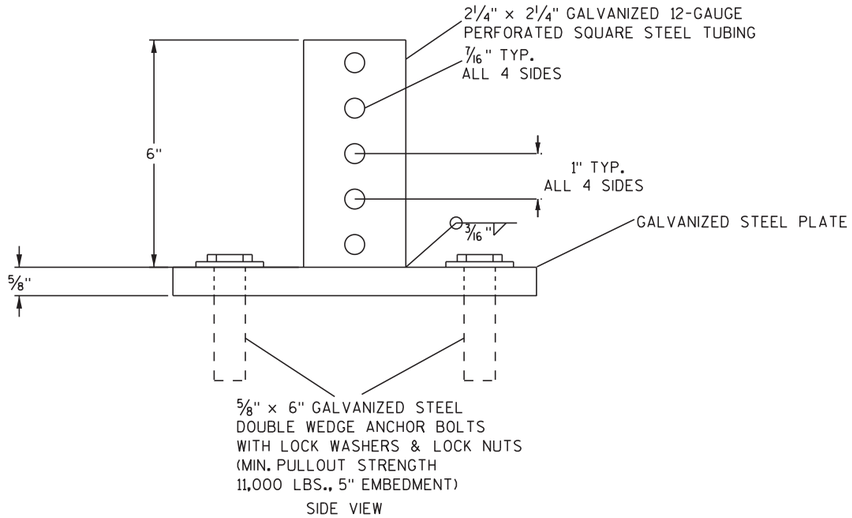
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TYPICAL REFERENCE MARKER MOUNTING DETAILS

BARRIER WALL SIGN BRACKET ASSEMBLY
NOT TO SCALE

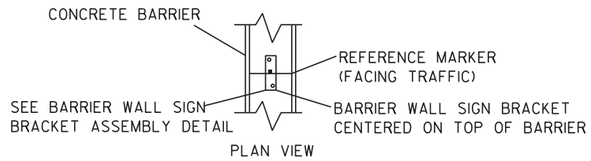


PLAN VIEW



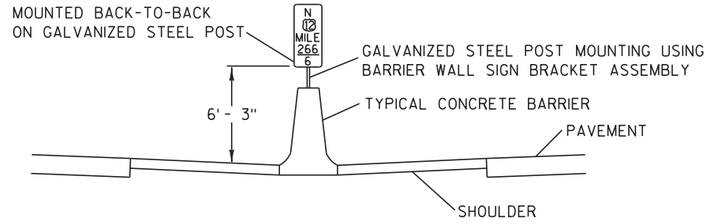
SIDE VIEW

TYPICAL REFERENCE MARKER PLACEMENT DETAILS



PLAN VIEW

MEDIAN BARRIER MOUNTING DETAIL



SINGLE MEDIAN BARRIER

NOTES

1) ALL WORK AND MATERIALS SHALL BE IN ACCORDANCE WITH STANDARD SPECIFICATION
2) ALL MATERIAL TO BE APPROVED BY ENGINEER BEFORE INSTALLATION
3) SEE SIGN PLATE A4-8 FOR BOLT REQUIREMENTS. INCIDENTAL TO SIGN.

APPLICABLE TO ALL TRAFFIC CONTROL SHEETS IN THIS PLAN SET.

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA THIS STAGE
- TEMPORARY RAISED PAVEMENT MARKERS TYPE I (ONE WAY REFLECTOR)
- DIRECTION OF TRAFFIC
- CC — CRASH CUSHION TEMPORARY
- TBC — TEMPORARY THRIE BEAM CONNECTION (INCIDENTAL)
- TEMPORARY WIDENING
- GS — GLARE SCREEN TEMPORARY
- SC — RUMBLE STRIPS (SAWED IN)
- TEMPORARY RAISED PAVEMENT MARKERS TYPE II (TWO WAY REFLECTOR)
- MB — PORTABLE CHANGEABLE MESSAGE BOARD

PAVEMENT MARKING LEGEND

- 225 TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW)
- 226 TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)
- 227 TEMPORARY MARKING LINE PAINT 4-INCH (DASHED WHITE) (12.5-FT LINE, 37.5-FT SKIP)
- 228 TEMPORARY MARKING LINE EPOXY 4-INCH (YELLOW)
- 229 TEMPORARY MARKING LINE EPOXY 4-INCH (WHITE)
- 230 TEMPORARY MARKING LINE EPOXY 4-INCH (DASHED WHITE) (12.5-FT LINE, 37.5-FT SKIP)
- 231 TEMPORARY MARKING LINE PAINT 8-INCH (WHITE)
- 232 TEMPORARY MARKING LINE PAINT 8-INCH (DOT PATTERN WHITE) (3-FT LINE, 12-FT SKIP)
- 233 TEMPORARY MARKING LINE EPOXY 8-INCH (WHITE)
- 234 TEMPORARY MARKING LINE EPOXY 8-INCH (DOT PATTERN WHITE) (3-FT LINE, 12-FT SKIP)
- 235 TEMPORARY MARKING DIAGONAL EPOXY 12-INCH (WHITE)
- 236 TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)
- 237 TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)
- 238 TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DASHED WHITE) (12.5-FT LINE, 37.5-FT SKIP)
- 239 TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW) (WET REFLECTIVE)
- 240 TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE) (WET REFLECTIVE)
- 241 TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)
- 242 TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE) (WET REFLECTIVE)
- 243 TEMPORARY MARKING ARROW PAINT
- 244 TEMPORARY MARKING ARROW EPOXY

GENERAL NOTES FOR CONSTRUCTION STAGING AND TRAFFIC CONTROL

1. ALL TRAFFIC CONTROL SIGNS SHALL BE 48" X 48' UNLESS OTHERWISE NOTED IN THE PLANS.

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

3. TRAFFIC CONTROL DRUMS IN TAPERS, SHALL BE EQUIPPED WITH TRAFFIC CONTROL WARNING LIGHTS, TYPE "C", ONE WAY LIGHTS IN TAPERS ONLY, UNLESS OTHERWISE SHOWN. DRUMS SHALL BE SPACED AT 25-FT OC IN TAPERS AND 50-FT OC ON TANGENTS OR AS OTHERWISE SHOWN.

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

5. ALL SIGNS, TEMPORARY OR EXISTING, WHICH CONFLICT WITH THE TRAFFIC CONTROL "IN USE" SHALL BE COVERED OR REMOVED AS NEEDED AND/OR AS DIRECTED BY THE ENGINEER. IN LIEU OF COVERING WOOD POST MOUNTED SIGNS, THE CONTRACTOR MAY CHOOSE TO REMOVE AND REINSTALL THEM.

6. ALL EXISTING CONFLICTING PAVEMENT MARKING SHALL BE REMOVED.

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

8. BARRICADE STRIPES ARE TO BE SLOPED DOWNWARD IN THE DIRECTION OF TRAFFIC FLOW.

9. ALL TRAFFIC CONTROL SIGNS LOCATED IN MEDIAN ARE TO BE MOUNTED ON MEDIAN BARRIER, SEE CONSTRUCTION DETAILS.

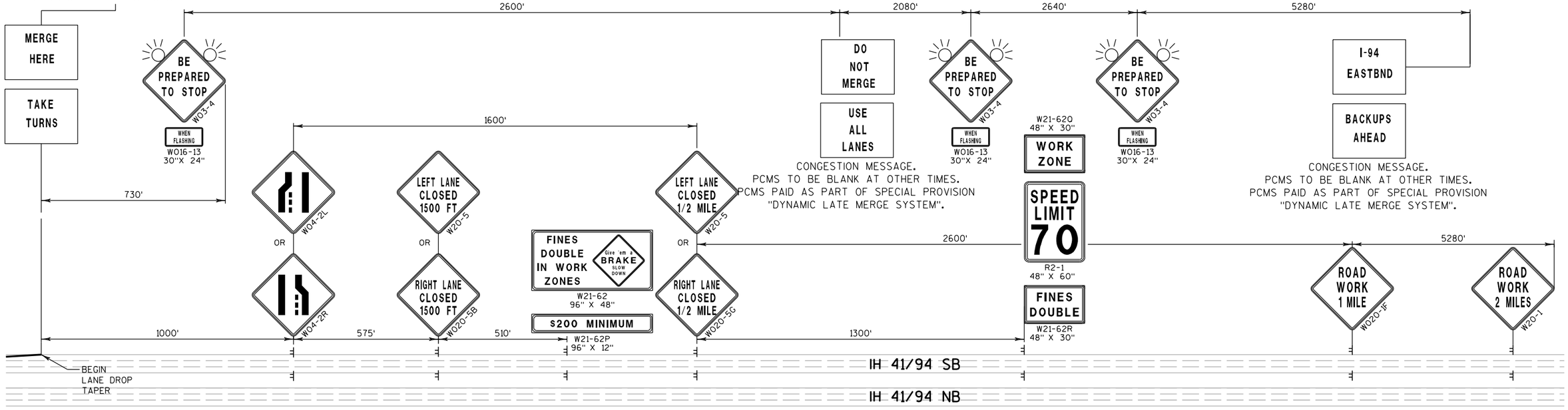
10. ALL SUBSEQUENT MOVING OF FMS SIGNS AFTER INITIAL INSTALLATION, INCLUDING ALL ASSOCIATED LABOR AND MATERIALS, SHALL BE INCLUDED IN THE COST OF THE "TRAFFIC CONTROL (1030-11-80)" ITEM.

11. OFFSETS TO CONCRETE BARRIER TEMPORARY PRECAST ARE TO CENTER OF BARRIER.

12. PAVEMENT MARKINGS ARE AS SHOWN ON STAGING TYPICAL SECTIONS UNLESS OTHERWISE SHOWN ON STAGING DETAIL SHEETS.

CONGESTION MESSAGE.
PCMS TO BE BLANK AT OTHER TIMES.
PCMS PAID AS PART OF SPECIAL PROVISION
"DYNAMIC LATE MERGE SYSTEM".

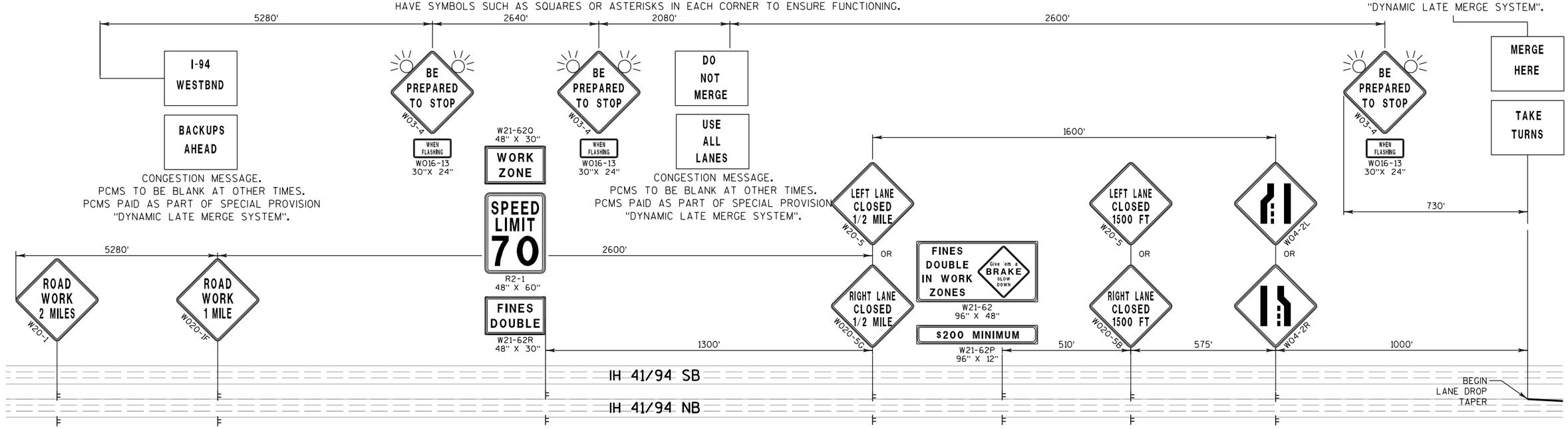
NOTES:
1. COORDINATE SPACING OF PCMS AND FLASHER DEVICES WITH WISDOT TRAFFIC OPERATIONS.
2. WHEN PCMS ARE NOT NEEDED FOR CONGESTION MESSAGING, THE BLANK SCREEN SHALL HAVE SYMBOLS SUCH AS SQUARES OR ASTERISKS IN EACH CORNER TO ENSURE FUNCTIONING.



SOUTHBOUND LANE DROP - LEFT OR RIGHT

NOTES:
1. COORDINATE SPACING OF PCMS AND FLASHER DEVICES WITH WISDOT TRAFFIC OPERATIONS.
2. WHEN PCMS ARE NOT NEEDED FOR CONGESTION MESSAGING, THE BLANK SCREEN SHALL HAVE SYMBOLS SUCH AS SQUARES OR ASTERISKS IN EACH CORNER TO ENSURE FUNCTIONING.

CONGESTION MESSAGE.
PCMS TO BE BLANK AT OTHER TIMES.
PCMS PAID AS PART OF SPECIAL PROVISION
"DYNAMIC LATE MERGE SYSTEM".

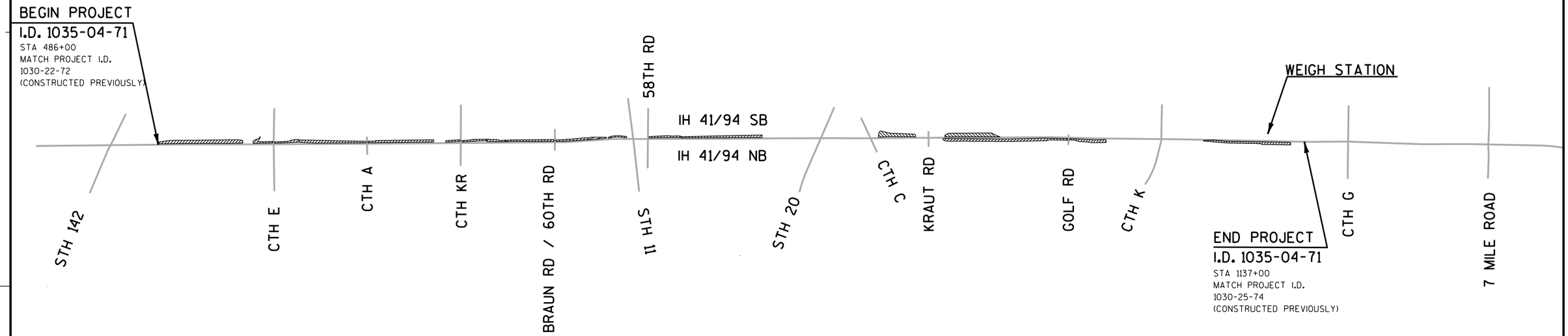


NORTHBOUND LANE DROP - LEFT OR RIGHT

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	TRAFFIC CONTROL: DYNAMIC LATE MERGE SYSTEM & ADV. SIGNING	SHEET 67	E

2

N



STAGE 1A

CONSTRUCTION

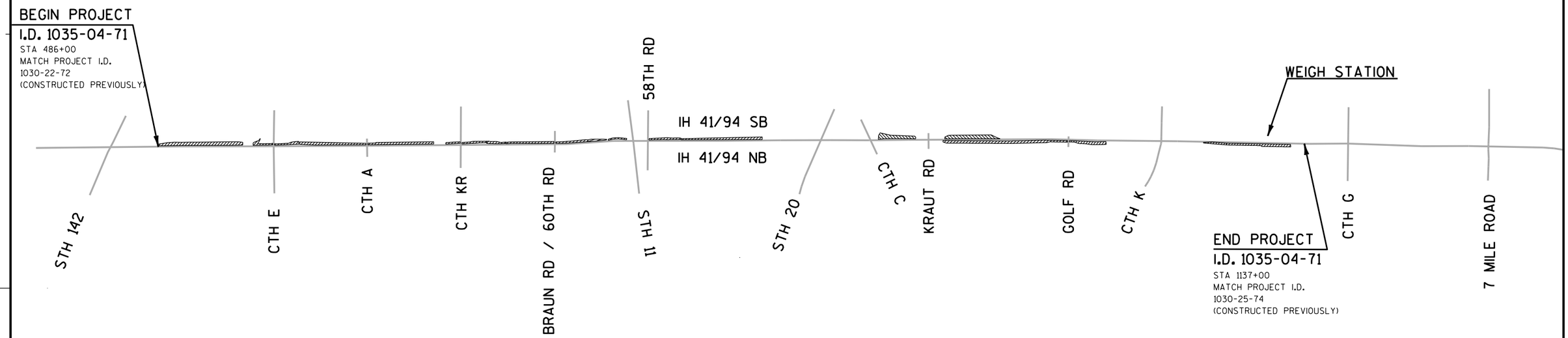
-TEMPORARY WIDENING, PAVEMENT REPAIR, AND OUTSIDE SHOULDER OVERLAY ALONG IH 41/94 SOUTHBOUND FROM STA 486+00 TO STA 829+00 AND STA 895+00 TO STA 932+77
-TEMPORARY WIDENING, PAVEMENT REPAIR, AND OUTSIDE SHOULDER OVERLAY ALONG IH 41/94 NORTHBOUND FROM STA 895+00 TO STA 1137+00

TRAFFIC

-IH 41/94 REMAINS OPEN (SOUTHBOUND RESTRICTED TO TWO INSIDE LANES FROM STH 142 TO KRAUT ROAD, NORTHBOUND RESTRICTED TO TWO INSIDE LANES FROM STH 20 TO CTH G)
-FRONTAGE ROADS REMAIN OPEN
-WEIGH STATION RAMPS REMAIN OPEN

WORK ZONE

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	CONSTRUCTION STAGING OVERVIEW - STAGE 1A	SHEET 68	E



STAGE 1B

CONSTRUCTION

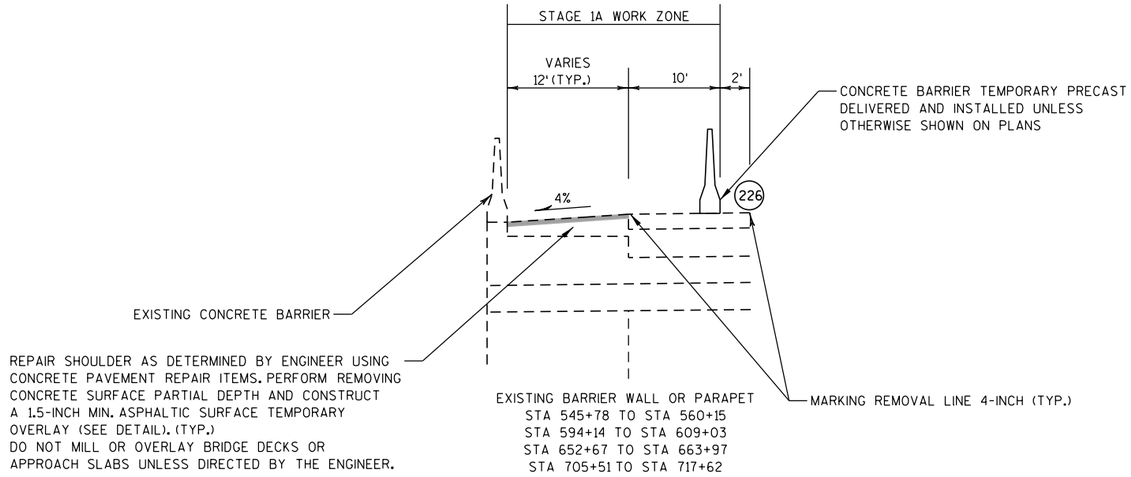
-REMOVE CONCRETE RUMBLE STRIPS, REPAIR MEDIAN SHOULDER, AND PROFILE MILL MEDIAN SHOULDER ALONG IH 41/94 SOUTHBOUND FROM STA 486+00 TO STA 829+00 AND STA 895+00 TO 968+00
-REMOVE CONCRETE RUMBLE STRIPS, REPAIR MEDIAN SHOULDER, AND PROFILE MILL MEDIAN SHOULDER ALONG IH 41/94 NORTHBOUND FROM STA 895+00 TO STA 1137+00
-REMOVE SIGN STRUCTURES S-30-205, S-30-206, S-51-200, S-51-201, S-51-202, AND S-51-203
-REMOVE EXISTING MEDIAN OPENING STA 953+10 TO STA 953+30
-CONSTRUCT MEDIAN CROSSOVERS AND INSTALL DRAIN SLOTTED VANE LONGITUDINAL
-INSTALL MEDIAN STORM SEWER AND PIPE STUBS AT LOCATIONS SHOWN ON PLANS

TRAFFIC

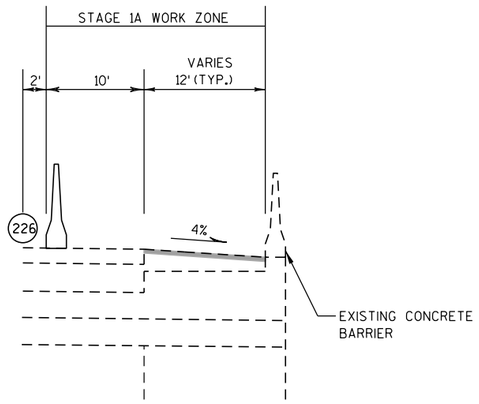
-IH 41/94 REMAINS OPEN (SOUTHBOUND RESTRICTED TO TWO OUTSIDE LANES FROM STH 142 TO 7 MILE ROAD, NORTHBOUND RESTRICTED TO TWO OUTSIDE LANES FROM STH 20 TO 7 MILE ROAD)
-FRONTAGE ROADS REMAIN OPEN
-WEIGH STATION RAMPS REMAIN OPEN

WORK ZONE

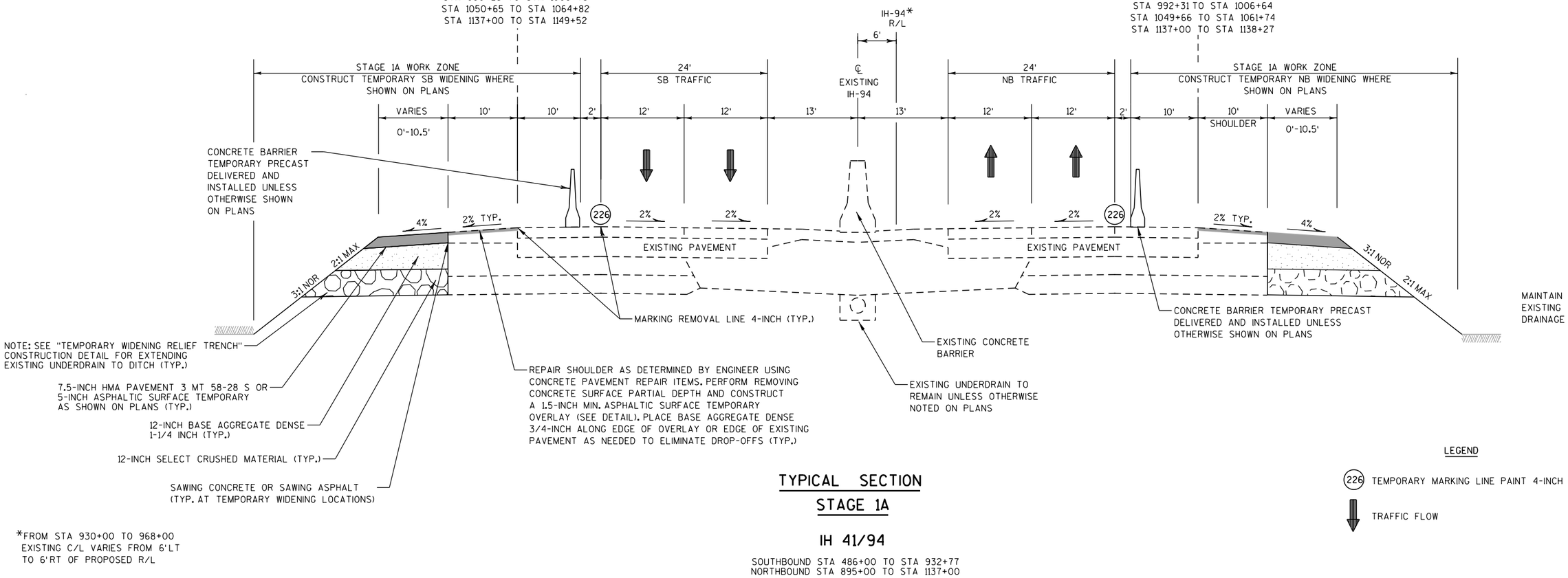
PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	CONSTRUCTION STAGING OVERVIEW - STAGE 1B	SHEET 69	E



EXISTING BARRIER WALL OR PARAPET
STA 545+78 TO STA 560+15
STA 594+14 TO STA 609+03
STA 652+67 TO STA 663+97
STA 705+51 TO STA 717+62
STA 757+49 TO STA 770+92
STA 901+35 TO STA 904+72
STA 916+10 TO STA 932+77
STA 990+25 TO STA 1008+75
STA 1050+65 TO STA 1064+82
STA 1137+00 TO STA 1149+52



EXISTING BARRIER WALL OR PARAPET
STA 542+61 TO STA 561+64
STA 594+60 TO STA 613+12
STA 660+03 TO STA 665+72
STA 705+83 TO STA 717+76
STA 754+80 TO STA 770+93
STA 851+58 TO STA 874+50
STA 894+50 TO STA 897+50
STA 916+14 TO STA 930+71
STA 992+31 TO STA 1006+64
STA 1049+66 TO STA 1061+74
STA 1137+00 TO STA 1138+27



*FROM STA 930+00 TO 968+00
EXISTING C/L VARIES FROM 6'LT
TO 6'RT OF PROPOSED R/L

TYPICAL SECTION
STAGE 1A
IH 41/94

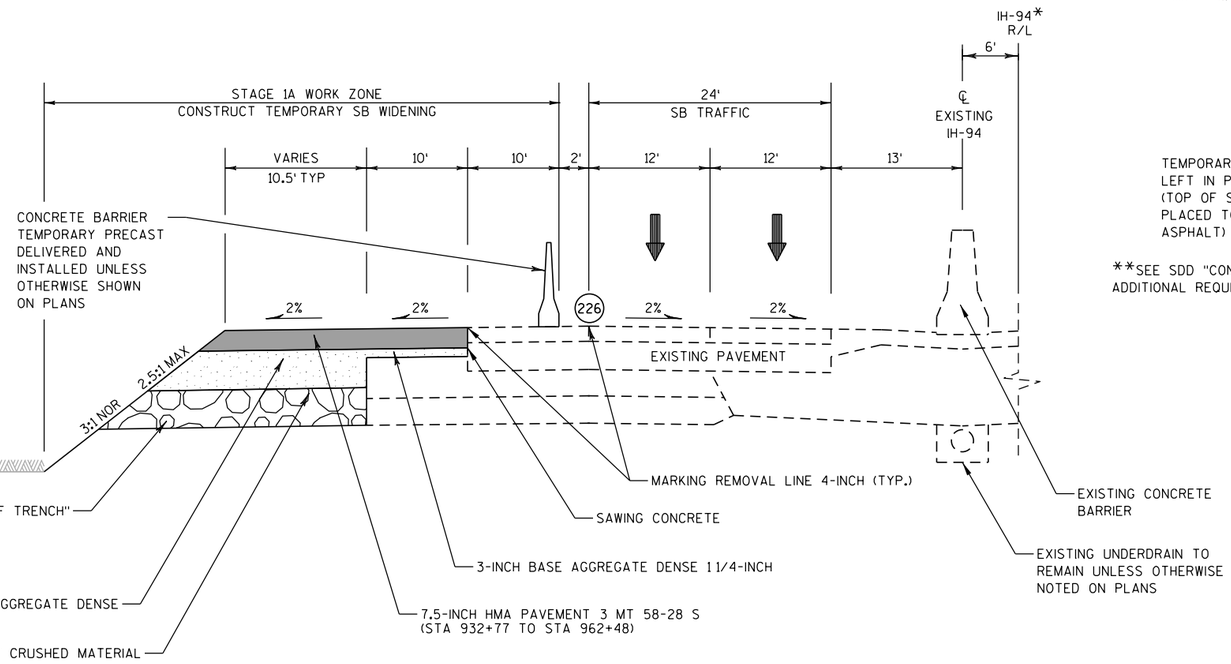
SOUTHBOUND STA 486+00 TO STA 932+77
NORTHBOUND STA 895+00 TO STA 1137+00

LEGEND

226 TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)

TRAFFIC FLOW

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	TRAFFIC CONTROL - STAGE 1A TYPICAL SECTIONS	SHEET 70	E



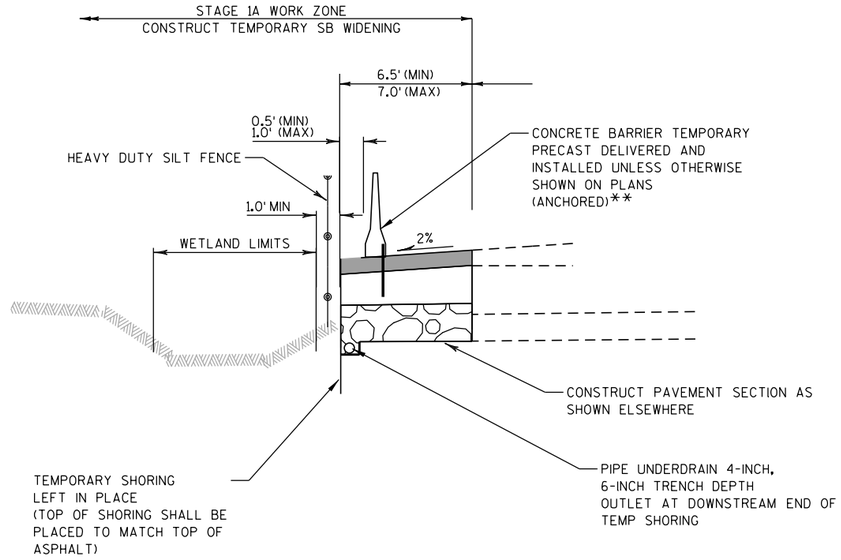
TYPICAL SECTION
STAGE 1A

IH 41/94

SOUTHBOUND STA 932+77 TO STA 968+00
(SHOULDER REPLACEMENT)

*FROM STA 930+00 TO 968+00
EXISTING C/L VARIES FROM 6'LT
TO 6'RT OF PROPOSED R/L

**SEE SDD "CONCRETE BARRIER TEMPORARY PRECAST, 12'-6" FOR
ADDITIONAL REQUIREMENTS



**SEE SDD "CONCRETE BARRIER TEMPORARY PRECAST, 12'-6" FOR
ADDITIONAL REQUIREMENTS

TYPICAL SECTION (WETLAND AREA)
STAGE 1A

IH 41/94

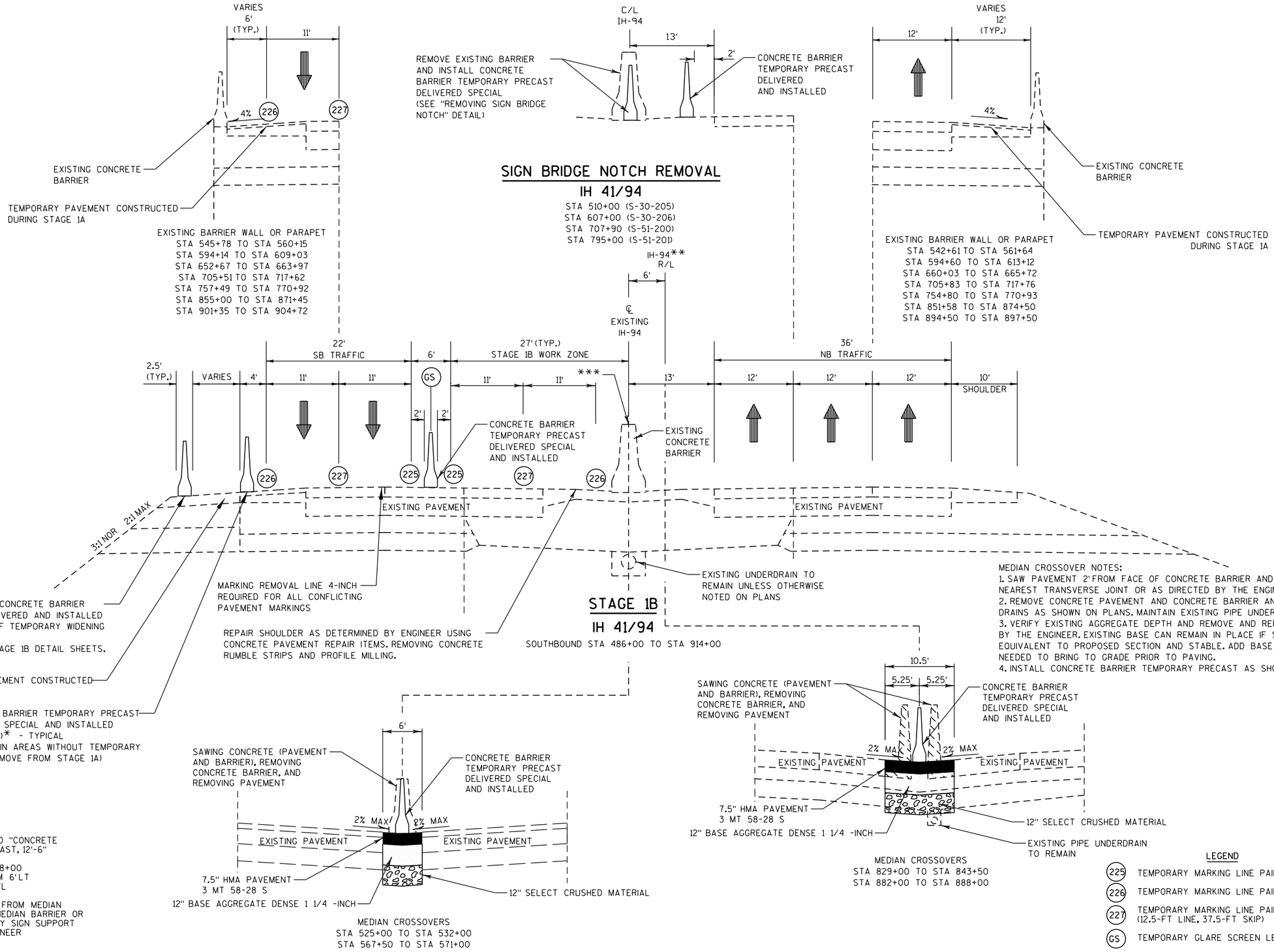
STA 486+00 TO STA 1137+00
(SOUTHBOUND SHOWN. MIRROR FOR NORTHBOUND.)

LEGEND

226 TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)

TRAFFIC FLOW

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	TRAFFIC CONTROL - STAGE 1A TYPICAL SECTIONS	SHEET 71	E

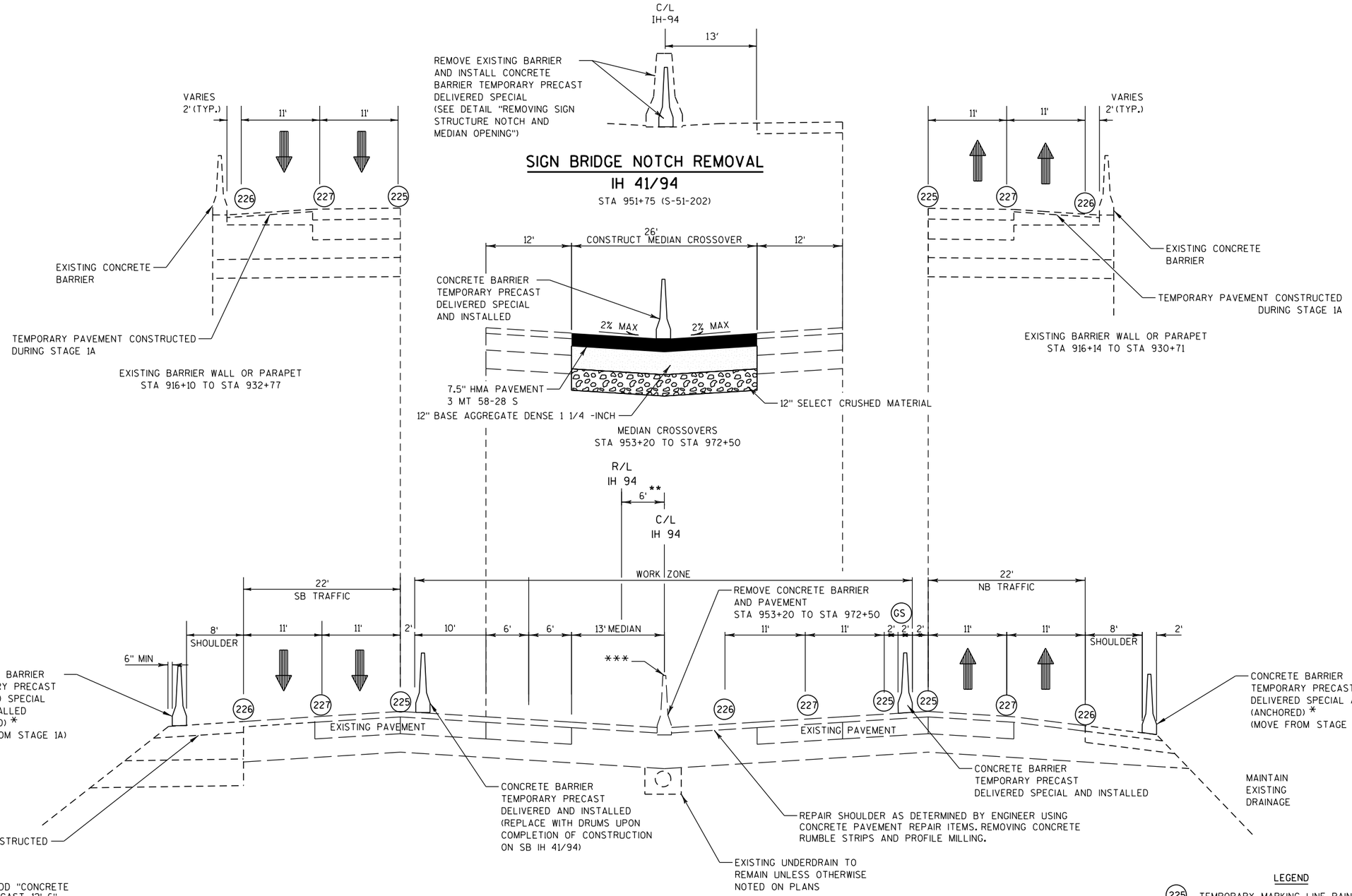


* ANCHOR REQUIRED. SEE SDD "CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"

** FROM STA 930+00 TO 968+00 EXISTING C/L VARIES FROM 6'LT TO 6'RT OF PROPOSED R/L

*** MOVE MILE MARKER SIGNS FROM MEDIAN BARRIER TO TEMPORARY MEDIAN BARRIER OR WOOD POST OR TEMPORARY SIGN SUPPORT AS DIRECTED BY THE ENGINEER (EVEN 2/10 MILE ONLY)

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	TRAFFIC CONTROL - STAGE 1B TYPICAL SECTIONS	SHEET 72	E



* ANCHOR REQUIRED. SEE SDD "CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"

** FROM STA 930+00 TO 968+00 EXISTING C/L VARIES FROM 6'LT TO 6'RT OF PROPOSED R/L

*** MOVE MILE MARKER SIGNS FROM MEDIAN BARRIER TO TEMPORARY MEDIAN BARRIER OR WOOD POST OR TEMPORARY SIGN SUPPORT AS DIRECTED BY THE ENGINEER (EVEN 2/10 MILE ONLY)

LEGEND

(225) TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW)

(226) TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)

(227) TEMPORARY MARKING LINE PAINT 4-INCH (DASHED WHITE) (12.5-FT LINE, 37.5-FT SKIP)

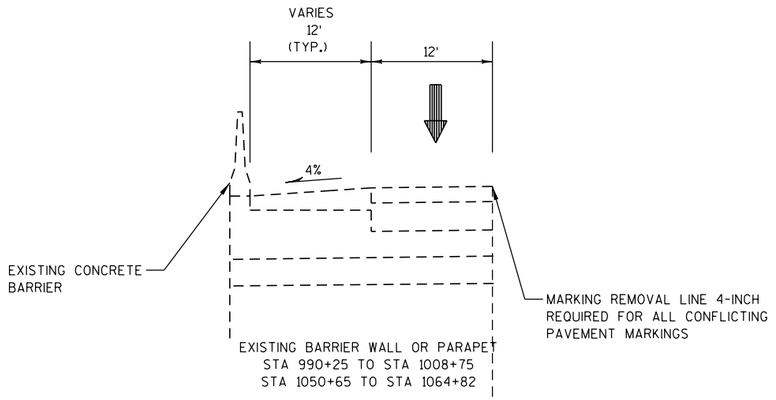
(GS) TEMPORARY GLARE SCREEN LEFT IN PLACE

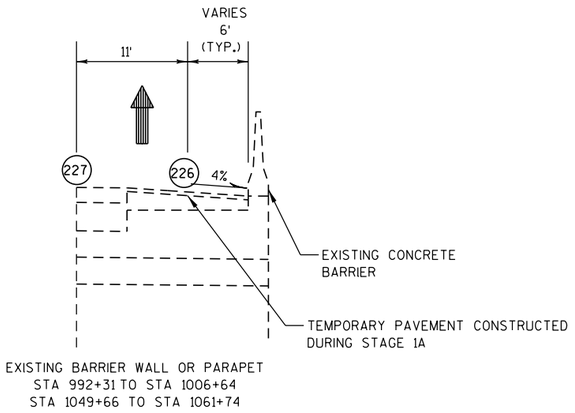
TYPICAL SECTION STAGE 1B

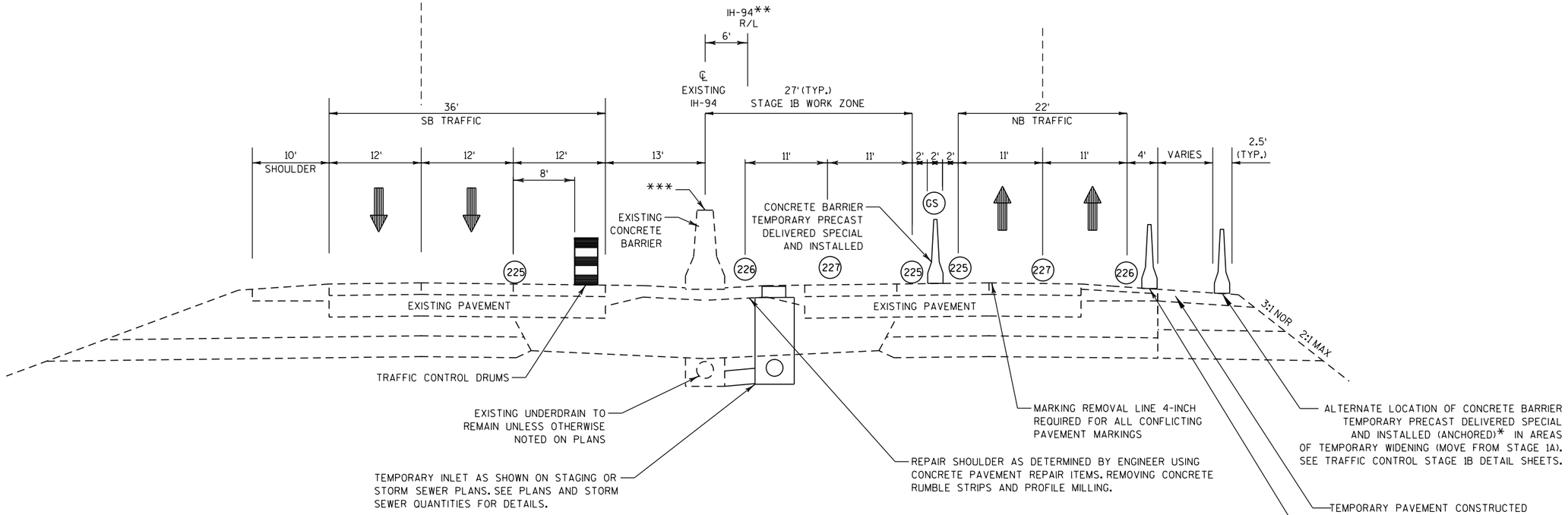
IH 41/94

STA 914+00 TO STA 988+00

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	TRAFFIC CONTROL - STAGE 1B TYPICAL SECTIONS	SHEET 73	E







STAGE 1B

IH 41/94

STA 988+00 TO STA 1105+00

* ANCHOR REQUIRED. SEE SDD "CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"

** FROM STA 930+00 TO 968+00 EXISTING C/L VARIES FROM 6'LT TO 6'RT OF PROPOSED R/L

*** MOVE MILE MARKER SIGNS FROM MEDIAN BARRIER TO TEMPORARY MEDIAN BARRIER OR WOOD POST OR TEMPORARY SIGN SUPPORT AS DIRECTED BY THE ENGINEER (EVEN 2/10 MILE ONLY)

LEGEND

(225) TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW)

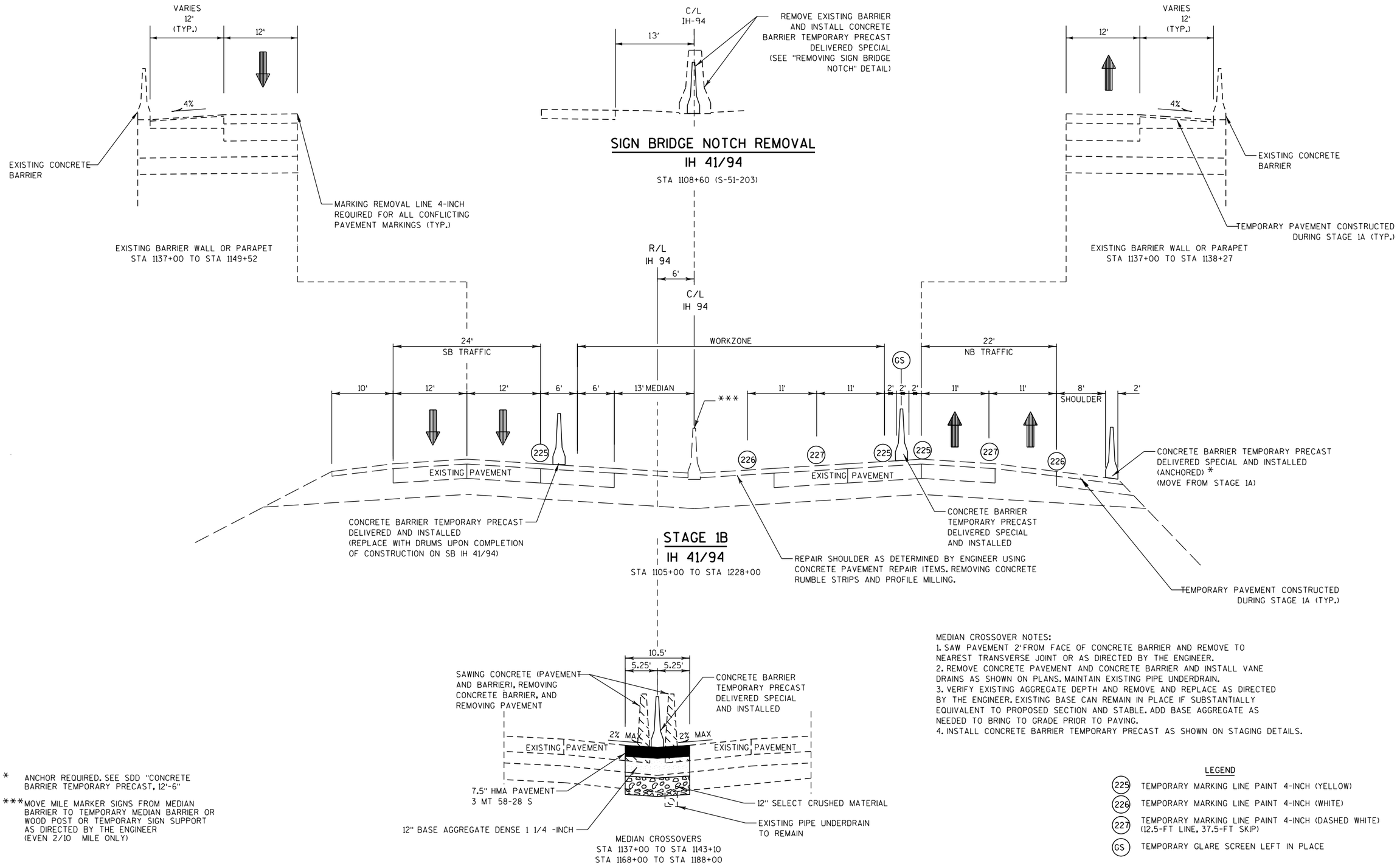
(226) TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)

(227) TEMPORARY MARKING LINE PAINT 4-INCH (DASHED WHITE) (12.5-FT LINE, 37.5-FT SKIP)

(GS) TEMPORARY GLARE SCREEN LEFT IN PLACE

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	TRAFFIC CONTROL - STAGE 1B TYPICAL SECTIONS	SHEET 74	E

2



* ANCHOR REQUIRED. SEE SDD "CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"

*** MOVE MILE MARKER SIGNS FROM MEDIAN BARRIER TO TEMPORARY MEDIAN BARRIER OR WOOD POST OR TEMPORARY SIGN SUPPORT AS DIRECTED BY THE ENGINEER (EVEN 2/10 MILE ONLY)

MEDIAN CROSSOVER NOTES:
1. SAW PAVEMENT 2' FROM FACE OF CONCRETE BARRIER AND REMOVE TO NEAREST TRANSVERSE JOINT OR AS DIRECTED BY THE ENGINEER.
2. REMOVE CONCRETE PAVEMENT AND CONCRETE BARRIER AND INSTALL VANE DRAINS AS SHOWN ON PLANS. MAINTAIN EXISTING PIPE UNDERDRAIN.
3. VERIFY EXISTING AGGREGATE DEPTH AND REMOVE AND REPLACE AS DIRECTED BY THE ENGINEER. EXISTING BASE CAN REMAIN IN PLACE IF SUBSTANTIALLY EQUIVALENT TO PROPOSED SECTION AND STABLE. ADD BASE AGGREGATE AS NEEDED TO BRING TO GRADE PRIOR TO PAVING.
4. INSTALL CONCRETE BARRIER TEMPORARY PRECAST AS SHOWN ON STAGING DETAILS.

LEGEND

225	TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW)
226	TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)
227	TEMPORARY MARKING LINE PAINT 4-INCH (DASHED WHITE) (12.5-FT LINE, 37.5-FT SKIP)
GS	TEMPORARY GLARE SCREEN LEFT IN PLACE

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	TRAFFIC CONTROL - STAGE 1B TYPICAL SECTIONS	SHEET 75	E

2

N

END ROAD WORK
G20-2A
48" X 24"

PLACE AT STA 476+00

WEST FRONTAGE RD

50'

00.00
-46.09'LT

00.00
-43.09'LT

00.00
-55.02'LT

56.00
-73.50'LT

487+56, 73.5'LT
BEGIN TEMPORARY WIDENING
(MATCH EXISTING)

MOVE EXISTING CONCRETE BARRIER
TEMPORARY PRECAST FROM OUTSIDE
SHOULDER (PAID AS INSTALL)
STA 486+00 TO STA 496+50 LT

MAINTAIN CONCRETE BARRIER
TEMPORARY PRECAST
STA 486+00 TO STA 496+50 LT

IH 94 SB

IH 94 NB

478 480 482 484 486 488 490 492

CONCRETE BARRIER TEMPORARY PRECAST
DELIVERED AND INSTALLED

MAINTAIN CONCRETE BARRIER
TEMPORARY PRECAST
STA 474+00 TO STA 503+50

MAINTAIN CONCRETE BARRIER
TEMPORARY PRECAST
STA 486+00 TO STA 497+25 RT

EAST FRONTAGE RD

MATCHLINE 493+00

TANKS
SEPC
SEPV
SIGN
RIPRAP
INL
MH
HW
FO
OH
SS
W
G

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	TRAFFIC CONTROL: MAINLINE - STAGE 1A	SHEET 76	E

FILE NAME : Z:\Racine\CADDS\WZ Prep_142-G\CDS\025010_TC1A.dgn PLOT DATE : 12/11/2017 PLOT BY : james.buggs PLOT NAME : PLOT SCALE : 1:30.48

2

N

MAINTAIN CONCRETE BARRIER
TEMPORARY PRECAST
STA 486+00 TO STA 496+50 LT

493+39.5, 73.5' LT TO 496+50, 68.7' LT
TEMPORARY SHORING LEFT IN PLACE

MOVE EXISTING CONCRETE BARRIER
TEMPORARY PRECAST FROM OUTSIDE
SHOULDER (PAID AS INSTALL)
STA 486+00 TO STA 496+50 LT

CONSTRUCT TEMPORARY WIDENING

SALVAGED RAIL
SALVAGED GUARDRAIL END TREATMENTS

499+79.3, 65.5' LT
END TEMPORARY WIDENING
(MATCH EXISTING)

39.57
-73.50' LT

50.00
-68.72' LT

79.32
-65.50' LT

WEST FRONTAGE RD

IH 94 SB

IH 94 NB

MATCHLINE 493+00

MATCHLINE 508+00

494 496 498 500 502 504 506

75'

12'
12'
12'
12'
12'
12'
10'

CONCRETE BARRIER TEMPORARY PRECAST
DELIVERED AND INSTALLED

STA 493+90 TO STA 497+50
EXISTING VANE DRAIN

MAINTAIN CONCRETE BARRIER
TEMPORARY PRECAST
STA 474+00 TO STA 503+50

MAINTAIN CONCRETE BARRIER
TEMPORARY PRECAST
STA 486+00 TO STA 497+25 RT

EAST FRONTAGE RD

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	TRAFFIC CONTROL: MAINLINE - STAGE 1A	SHEET 77 E

2

N

W21-62O
48" X 30"
WORK ZONE
SPEED LIMIT 70
FINES DOUBLE
R2-1
48" X 60"
W21-62R
48" X 30"

W5-52R
18" X 54"

WEST FRONTAGE ROAD

243 ARROWS TYPE 5

232

+00.00
-54.69'LT

+75.00
-42.70'LT

00.00
-42.67'LT

IH 94 SB

IH 94 NB

R/L IH 94

MATCHLINE 508+00

MATCHLINE 523+00

508 510 512 514 516 518 520 522

12'
12'
2

EAST FRONTAGE ROAD

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	TRAFFIC CONTROL: MAINLINE - STAGE 1A	SHEET 78	E

FILE NAME : Z:\Racine\CADDS\WZ Prep_142-G\CDS\025012_TC1A.dgn PLOT DATE : 12/11/2017 PLOT BY : james.buggs PLOT NAME : PLOT SCALE : 1:30.48

2

N

W5-52R
18" X 54"

W04-1

WEST FRONTAGE ROAD

232

CONSTRUCT TEMPORARY WIDENING

44.48
-64.84' LT

24.17
-77.50' LT

+50.00
-52.82' LT

95.00
-77.50' LT

+00.00
-74.00' LT

MATCH EXISTING

25'

25'

2'

12'

12'

12'

50.00
-42.71' LT

+50.00
-42.73' LT

231

226

CC

MATCHLINE 523+00

524

526

528

530

532

534

536

538+00

MATCHLINE

IH 94 SB

IH 94 NB

R/L IH 94

CONCRETE BARRIER TEMPORARY PRECAST
DELIVERED AND INSTALLED

NB OFF RAMP

EAST FRONTAGE ROAD

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	TRAFFIC CONTROL: MAINLINE - STAGE 1A	SHEET 79	E

FILE NAME : Z:\Racine\CADDS\WZ Prep_142-G\CDS\025013_TC1A.dgn PLOT DATE : 12/11/2017 PLOT BY : james.buggs PLOT NAME : PLOT SCALE : 1:30.48

2

CONSTRUCT TEMPORARY WIDENING

83.03
-77.27'LT

83.42
-65.00'LT

25'

29.21
-64.90'LT

23.00
-96.14'LT

25'

23.73
-90.14'LT

MATCHLINE 538+00

MATCHLINE 553+00

538

540

542

544

546

548

550

552

2'

12'

12'

IH 94 SB

IH 94 NB

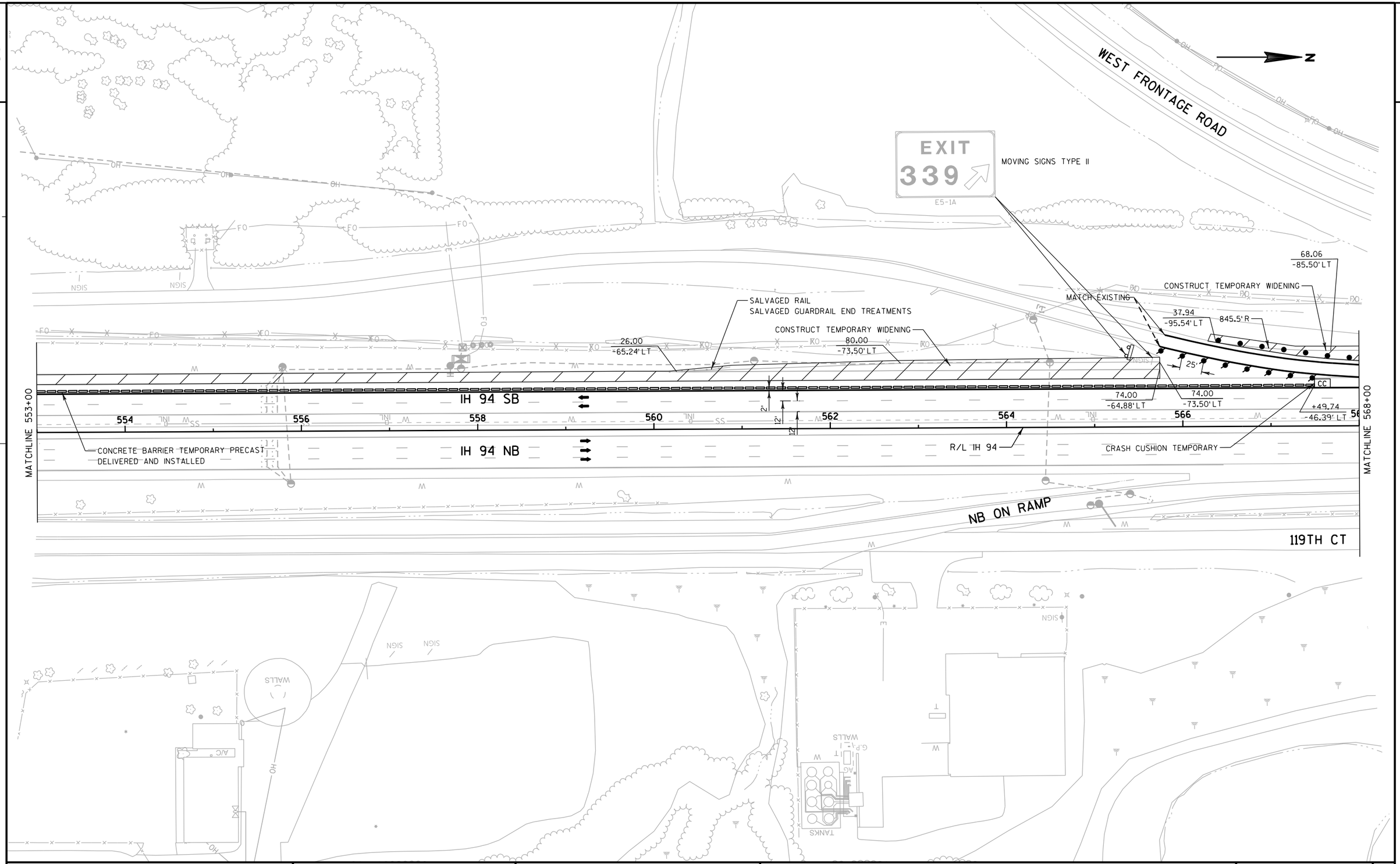
R/L IH 94

NB OFF RAMP

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	TRAFFIC CONTROL: MAINLINE - STAGE 1A	SHEET 80	E

FILE NAME : Z:\Racine\CADDS\WZ Prep_142-G\CDS\025014_TC1A.dgn PLOT DATE : 12/11/2017 PLOT BY : james.buggs PLOT NAME : PLOT SCALE : 1:30.48

2



PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	TRAFFIC CONTROL: MAINLINE - STAGE 1A	SHEET 81	E

2

N

GAP THE TEMPORARY SHORING INSTALLATION TO AVOID IMPACTING THE WE ENERGIES' EXISTING BURIED ELECTRIC LINES APPROXIMATELY LOCATED AT STA 577+50 AND STA 729+15 AND CROSSING IH 41/94. CONTACT NICHOLAS WELCH (414-944-5765) OF WE ENERGIES 7 DAYS IN ADVANCE TO COORDINATE LOCATIONS AND ANY EXCAVATION NEAR THEIR FACILITIES.

569+00, 85.5'LT TO 572+60, 76.7'LT
TEMPORARY SHORING LEFT IN PLACE

575+00, 73.5'LT TO 578+00, 73.5'LT
TEMPORARY SHORING LEFT IN PLACE

CONSTRUCT TEMPORARY WIDENING

WEST FRONTAGE ROAD

+26.25
-46.72'LT

00.00
-85.50'LT

+07.74
-55.39'LT

50.20
-85.50'LT

60.00
-76.72'LT

00.18
-73.50'LT

+26
55'LT

00.00
-73.50'LT

00.03
-73.50'LT

+26
43'LT

+26.25
-43.39'LT

+26.25
-43.39'LT

+26.25
-43.39'LT

226

231

232

IH 94 SB

IH 94 NB

R/L IH 94

MATCHLINE 568+00

MATCHLINE 579+00

568

570

572

574

576

578

12'

2'

119TH CT

EAST FRONTAGE ROAD

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	TRAFFIC CONTROL: MAINLINE - STAGE 1A	SHEET 82	E

FILE NAME : Z:\Racine\CADDS\WZ Prep_142-G\CDS\025016_TC1A.dgn PLOT DATE : 12/11/2017 PLOT BY : james.buggs PLOT NAME : PLOT SCALE : 1:30.48

2

N

TEMPORARY WIDENING
FOR EXIT RAMP

40.06
-65.50' LT

WEST FRONTAGE RD

IH 94 SB

IH 94 NB

EAST FRONTAGE RD

MATCHLINE 679+00

MATCHLINE 593+00

580 582 584 586 588 590 592

RUINS

RIPRAP

SIGN

INL

W

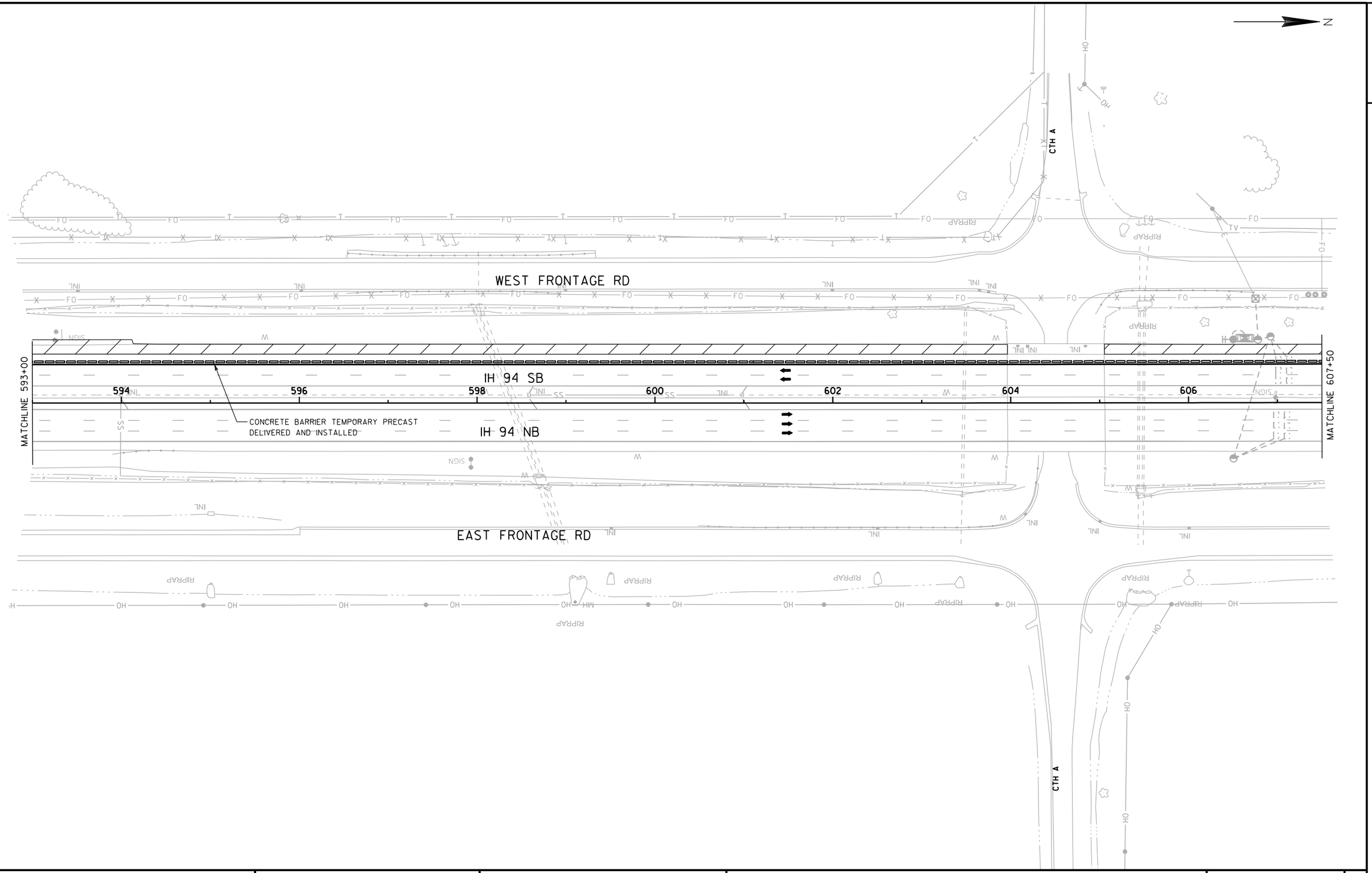
SS

FO

OH

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	TRAFFIC CONTROL: MAINLINE - STAGE 1A	SHEET 83	E

FILE NAME : Z:\Racine\CADDS\WZ Prep_142-G\CDS\025017_TC1A.dgn PLOT DATE : 12/11/2017 PLOT BY : james.buggs PLOT NAME : PLOT SCALE : 1:30.48



PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	TRAFFIC CONTROL: MAINLINE - STAGE 1A	SHEET	E

FILE NAME : Z:\Racine\CADDS\WZ Prep_142-G\CDS\025018_TC1A.dgn PLOT DATE : 12/11/2017 PLOT BY : james.buggs PLOT NAME : PLOT SCALE : 1:30.48

2

N

WEST FRONTAGE RD

SALVAGED RAIL
SALVAGED GUARDRAIL
END TREATMENTS

MATCHLINE 607+50

608 610 612 614 616 618 620 622

IH 94 SB

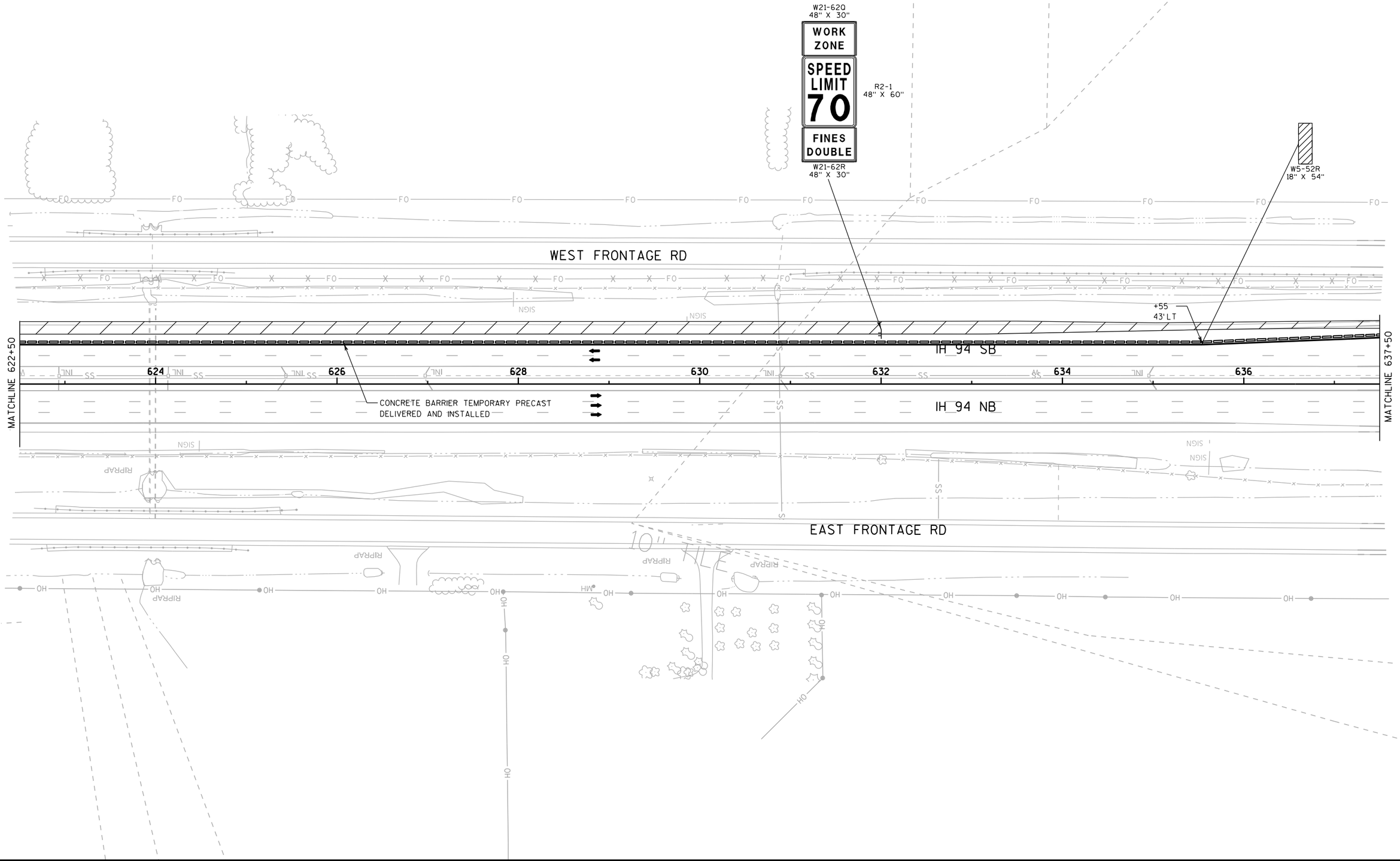
IH 94 NB

MATCHLINE 622+50

EAST FRONTAGE RD

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	TRAFFIC CONTROL: MAINLINE - STAGE 1A	SHEET 85	E

2



PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	TRAFFIC CONTROL: MAINLINE - STAGE 1A	SHEET 86	E

FILE NAME : Z:\Racine\CADDS\WZ Prep_142-G\CDS\025020_TC1A.dgn PLOT DATE : 12/11/2017 PLOT BY : james.buggs PLOT NAME : PLOT SCALE : 1:30.48

2

2

EAST FRONTAGE ROAD

W5-52R
18" X 54"

243 ARROWS TYPE 5

54.75
-55.39' LT

MATCH EXISTING

W04-1

CRASH CUSHION TEMPORARY

50'

+55
43' LT

54.75
-45.05' LT

+89
67' LT

CC

+90
91' LT

+54.75
-43.39' LT

+55
43' LT

232

231

IH 94 SB

IH 94 NB

MATCHLINE 637+50

MATCHLINE 652+70

638 640 642 644 646 648 650 652

R/L IH 94

EAST FRONTAGE ROAD

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	TRAFFIC CONTROL: MAINLINE - STAGE 1A	SHEET 87	E

FILE NAME : Z:\Racine\CADDS\WZ Prep_142-G\CDS\025021_TC1A.dgn PLOT DATE : 12/11/2017 PLOT BY : james.buggs PLOT NAME : PLOT SCALE : 1:30.48

WISDOT/CADDS SHEET 42

2

2

N

CTH KR SB ENTRANCE RAMP

CTH KR SB EXIT RAMP

SALVAGED RAIL
SALVAGED GUARDRAIL END TREATMENTS

MATCHLINE 652+70

654 656 658 660 662 664 666

IH-94 SB

IH-94 NB

CONCRETE BARRIER TEMPORARY PRECAST
DELIVERED AND INSTALLED

MATCHLINE 668+00

R/L IH 94

CTH KR NB EXIT RAMP

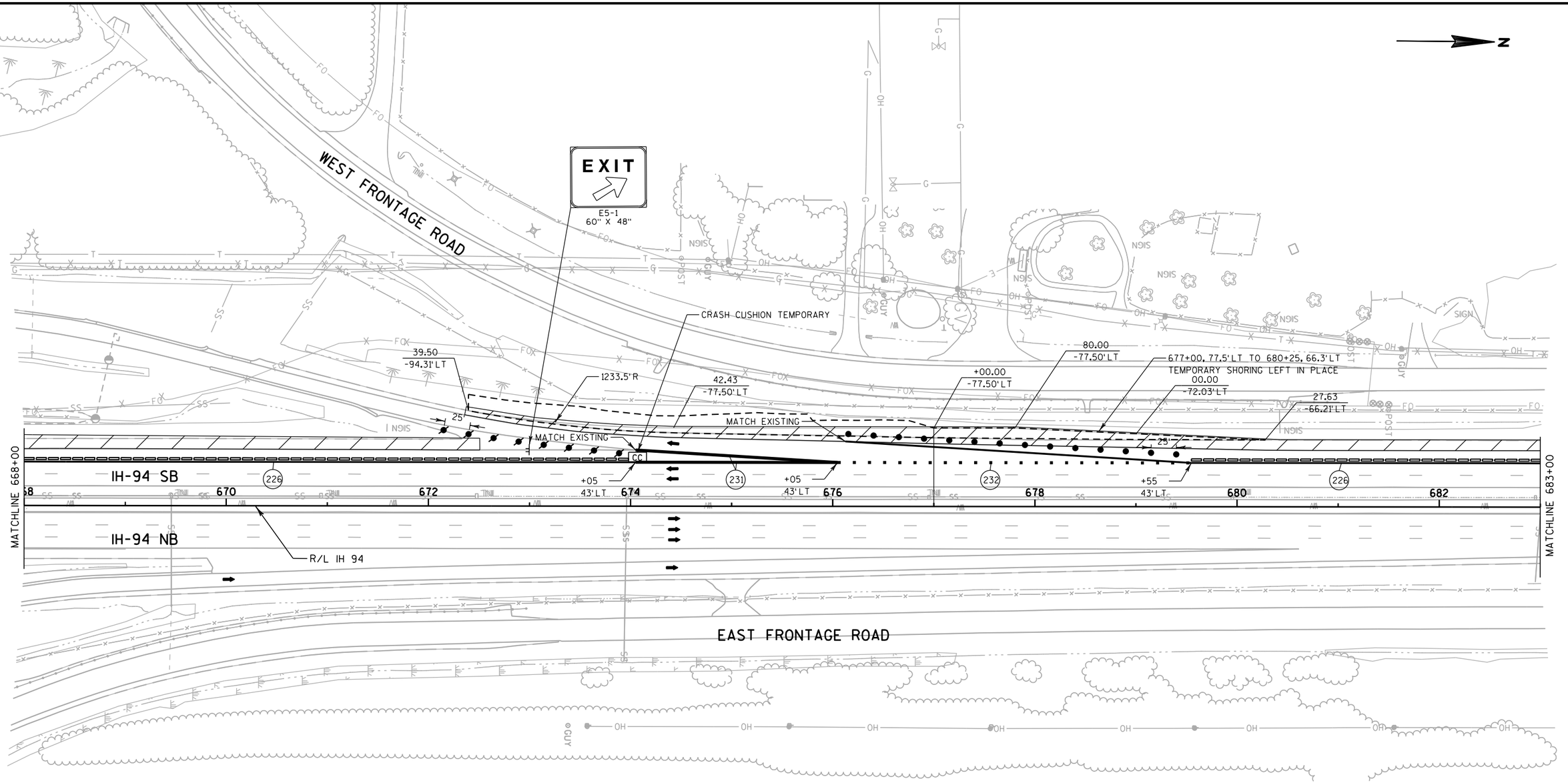
CTH KR NB ENTRANCE RAMP

EAST FRONTAGE ROAG

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	TRAFFIC CONTROL: MAINLINE - STAGE 1A	SHEET 88	E

FILE NAME : Z:\Racine\CADDS\WZ Prep_142-G\CDS\025022_TC1A.dgn PLOT DATE : 12/11/2017 PLOT BY : james.buggs PLOT NAME : PLOT SCALE : 1:30.48

WISDOT/CADDS SHEET 42



2

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	TRAFFIC CONTROL: MAINLINE - STAGE 1A	SHEET 89	E

2

N

ESTR

RIDESHARE
INFO CALL
1-800-455-POOL

D12-2A
60" X 42"

WEST FRONTAGE ROAD

MARKING REMOVAL LINE 4-INCH
(EDGE LINE)

IH-94 SB

IH-94 NB

226

684 686 688 690 692 694 696

MATCHLINE 683+00

MATCHLINE 698+00

CONCRETE BARRIER TEMPORARY PRECAST
DELIVERED AND INSTALLED

R/L IH 94

EAST FRONTAGE ROAD

EXIT 335
11
Racine
Mt Pleasant
1 MILE

ESTR

ESTR

ESTR

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	TRAFFIC CONTROL: MAINLINE - STAGE 1A	SHEET	E

FILE NAME : Z:\Racine\CADDS\WZ Prep_142-G\CDS\025024_TC1A.dgn PLOT DATE : 12/11/2017 PLOT BY : james.buggs PLOT NAME : PLOT SCALE : 1:30.48

2

N

BRAUN RD

WEST FRONTAGE ROAD

ESTR

KR 1/2
E 2 1/2
142 4

MARKING REMOVAL LINE 4-INCH
(EDGE LINE)

MATCHLINE 698+00

MATCHLINE 713+00

IH-94 SB

IH-94 NB

700 702 704 706 708 710 712

226

R/L IH 94

EAST FRONTAGE ROAD

11 1/2
20 2 1/4
K 6

ESTR

BRAUN RD

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	TRAFFIC CONTROL: MAINLINE - STAGE 1A	SHEET 91	E

FILE NAME : Z:\Racine\CADDS\WZ Prep_142-G\CDS\025025_TC1A.dgn PLOT DATE : 12/11/2017 PLOT BY : james.buggs PLOT NAME : PLOT SCALE : 1:30.48

2

N

WEST FRONTAGE ROAD

MARKING REMOVAL LINE 4-INCH
(EDGE LINE)

SALVAGED RAIL
SALVAGED GUARDRAIL END TREATMENTS

226

BEGIN TEMPORARY
WIDENING
+52.33
-65.29' LT

MATCHLINE 713+00

MATCHLINE 728+00

IH-94 SB

IH-94 NB

714 716 718 720 722 724 726

12' 12' 12' 13' 9'

R/L IH 94

CONCRETE BARRIER TEMPORARY PRECAST
DELIVERED AND INSTALLED

EAST FRONTAGE ROAD

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	TRAFFIC CONTROL: MAINLINE - STAGE 1A	SHEET 92	E

GAP THE TEMPORARY SHORING INSTALLATION TO AVOID IMPACTING THE WE ENERGIES' EXISTING BURIED ELECTRIC LINES APPROXIMATELY LOCATED AT STA 577+50 AND STA 729+15 AND CROSSING IH 41/94. CONTACT NICHOLAS WELCH (414-944-5765) OF WE ENERGIES 7 DAYS IN ADVANCE TO COORDINATE LOCATIONS AND ANY EXCAVATION NEAR THEIR FACILITIES.

727+55, 65.4'LT TO 730+75, 76.0'LT TEMPORARY SHORING LEFT IN PLACE (AVOID PIPE NEAR STA 730+00 LT)

+25.00 -67.71'LT

+00.00 -73.54'LT

+18.72 -77.50'LT

CONSTRUCT TEMPORARY WIDENING

REMOVE DELINEATORS

W5-52R 18" X 54"

WEST FRONTAGE ROAD

CONCRETE BARRIER TEMPORARY PRECAST DELIVERED AND INSTALLED

MARKING LINE REMOVAL 4-INCH STA 730+61 TO STA 735+11

+61

+15.66 -77.50'LT

+49.97 -74.53'LT

CRASH CUSHION TEMPORARY

+15.00 -63.00'LT

MATCH EXISTING

+07.49 -100.29'LT

+09.59 -88.48'LT

+97 81'LT

+98 70'LT

50'

SB ON RAMP

+84 43'LT

+61 55'LT

+61 43'LT

+12 43'LT

+62 43'LT

+15.00 -43.40'LT

+64.64 -46.39'LT

IH-94 SB

728 730 732 734 736 738 740 742

MATCHLINE 728+00

MATCHLINE 743+00

R/L IH 94

IH-94 NB

CONCRETE BARRIER TEMPORARY PRECAST DELIVERED AND INSTALLED

NB OFF RAMP

W04-1

EAST FRONTAGE ROAD

MARKING REMOVAL LINE 4-INCH (EDGE LINE)

226 232 231

W21-62O 30" X 48"

WORK ZONE

SPEED LIMIT 70

R2-1 48" X 60"

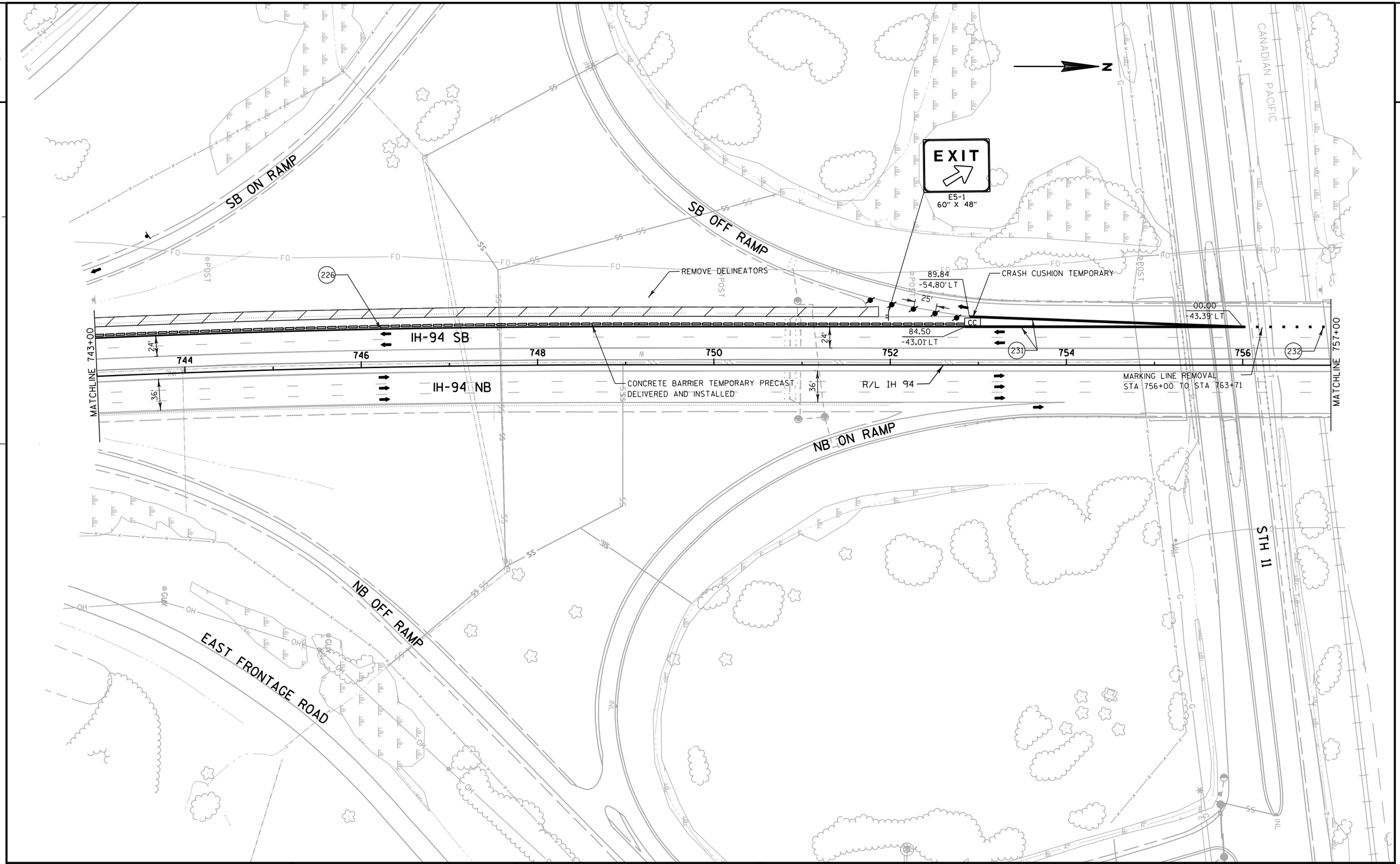
FINES DOUBLE

W21-62R 30" X 48"

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	TRAFFIC CONTROL: MAINLINE - STAGE 1A	SHEET 93	E

FILE NAME : Z:\Racine\CADDS\WZ Prep_142-G\CDS\025027_TC1A.dgn PLOT DATE : 12/11/2017 PLOT BY : james.buggs PLOT NAME : PLOT SCALE : 1:30.48

2



PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	TRAFFIC CONTROL: MAINLINE - STAGE 1A	SHEET 94	E

2

58TH ROAD

WEST FRONTAGE ROAD

EAST FRONTAGE ROAD

ACCESS ROAD 'B'

MARKING LINE REMOVAL 4-INCH
STA 756+00 TO STA 763+71

SB OFF RAMP

+82.00
59.81'LT
MATCH EXISTING

+71.22
-46.39'LT

+71
43'LT

25'

CONCRETE BARRIER
TEMPORARY PRECAST
DELIVERED AND
INSTALLED

REMOVE DELINEATORS

SALVAGED RAIL
SALVAGED GUARDRAIL
END TREATMENTS

IH-94 SB

IH-94 NB

R/L IH 94

24'

36'

MATCHLINE 757+00

MATCHLINE 771+50

758 760 762 764 766 768 770

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	TRAFFIC CONTROL: MAINLINE - STAGE 1A	SHEET 95	E

FILE NAME : Z:\Racine\CADDS\WZ Prep_142-G\CDS\025029_TC1A.dgn PLOT DATE : 12/11/2017 PLOT BY : james.buggs PLOT NAME : PLOT SCALE : 1:30.48

2

N

W21-62O
48" X 30"
WORK ZONE
SPEED LIMIT 70
FINES DOUBLE

R2-1
48" X 60"

W21-62R
48" X 30"

WEST FRONTAGE ROAD

REMOVE DELINEATORS

MATCHLINE 771+50

772 774 776 778 780 782 784 786

24'

IH-94 SB

IH-94 NB

36'

CONCRETE BARRIER TEMPORARY PRECAST
DELIVERED AND INSTALLED

R/L IH-94

226

MATCHLINE 786+00

EAST FRONTAGE ROAD

W21-62O
48" X 30"
WORK ZONE
SPEED LIMIT 70
FINES DOUBLE

R2-1
48" X 60"

W21-62R
48" X 30"

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	TRAFFIC CONTROL: MAINLINE - STAGE 1A	SHEET	E

FILE NAME : Z:\Racine\CADDS\WZ Prep_142-G\CDS\025030_TC1A.dgn PLOT DATE : 12/11/2017 PLOT BY : james.buggs PLOT NAME : PLOT SCALE : 1:30.48

2

56TH ROAD

LEETSBIR ROAD

N

REMOVE DELINEATORS

WEST FRONTAGE ROAD

CONCRETE BARRIER TEMPORARY PRECAST
DELIVERED AND INSTALLED

MATCHLINE 786+00

IH-94 SB

R/L IH 94

IH-94 NB

MATCHLINE 801+00

786 788 790 792 794 796 798 800

226

EAST FRONTAGE ROAD

EXISTING SIGN
STRUCTURE S-51-201 TO REMAIN

11	3/4
KR	2 1/4
E	4 1/4

SOUTHBOUND

20	1/2
K	4 1/4
G	6 1/2

NORTHBOUND

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	TRAFFIC CONTROL: MAINLINE - STAGE 1A	SHEET 97	E

FILE NAME : Z:\Racine\CADDS\WZ Prep_142-G\CDS\025031_TC1A.dgn PLOT DATE : 12/11/2017 PLOT BY : james.buggs PLOT NAME : PLOT SCALE : 1:30.48

2

N

WEST FRONTAGE ROAD

MATCHLINE 801+00

802 804 806 808 810 812 814

IH-94 SB

IH-94 NB

R/L IH 94

MATCHLINE 815+50

REMOVE DELINEATORS

CONCRETE BARRIER TEMPORARY PRECAST
DELIVERED AND INSTALLED

226

MAINTAIN CONCRETE BARRIER
TEMPORARY PRECAST
STA 810+00 TO STA 829+00

EAST FRONTAGE ROAD

ROAD
WORK
2 MILES
W20-1F (MOD)

EXIT 335
11
RACINE
MT PLEASANT
1 Mile
ESTR

google overhead AT

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	TRAFFIC CONTROL: MAINLINE - STAGE 1A	SHEET 98	E

FILE NAME : Z:\Racine\CADDS\WZ Prep_142-G\CDS\025032_TC1A.dgn PLOT DATE : 12/11/2017 PLOT BY : james.buggs PLOT NAME : PLOT SCALE : 1:30.48

2

GRANDVIEW PARKWAY

WEST FRONTAGE ROAD

EAST FRONTAGE ROAD

IH-94 SB

IH-94 NB

R/L IH 94

MATCHLINE 815+50

MATCHLINE 830+50

816 818 820 822 824 826 828 830

MAINTAIN CONCRETE BARRIER
TEMPORARY PRECAST
STA 810+00 TO STA 829+00

REMOVE DELINEATORS

MAINTAIN CONCRETE BARRIER
TEMPORARY PRECAST
STA 819+94 TO STA 829+00 LT

CONCRETE BARRIER TEMPORARY PRECAST
DELIVERED AND INSTALLED

+75.72
-42.57' LT

CC

25'

226

+00.0
39.25' LT

CRASH CUSHION TEMPORARY

MB

PCMS (CELLULAR) WITH
MESSAGE AS DIRECTED
BY THE ENGINEER

MAINTAIN CONCRETE BARRIER
TEMPORARY PRECAST
STA 816+94 TO STA 829+00 RT

W21-620
48" X 30"
WORK ZONE

SPEED LIMIT 70

R2-1
48" X 60"
FINES DOUBLE

W21-62R
48" X 30"

FINES DOUBLE IN WORK ZONES
Give 'em a BRAKE SLOW DOWN

W21-62
96" X 48"

$200 MINIMUM

W21-62P
96" X 12"

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	TRAFFIC CONTROL: MAINLINE - STAGE 1A	SHEET 99	E

FILE NAME : Z:\Racine\CADDS\WZ Prep_142-G\CDS\025033_TC1A.dgn PLOT DATE : 12/11/2017 PLOT BY : james.buggs PLOT NAME : PLOT SCALE : 1:30.48

2

N

243 ARROWS TYPE 5

WEST FRONTAGE ROAD

+60.00
-51.25'LT

25'

+79.94
-39.25'LT

+00.00
-51.25'LT

+00.00
-39.25'LT

50'

50'

226

232

231

IH-94 SB

IH-94 NB

MATCHLINE 830+50

MATCHLINE 845+50

832 834 836 838 840 842 844

EAST FRONTAGE ROAD

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	TRAFFIC CONTROL: MAINLINE - STAGE 1A	SHEET 100	E

FILE NAME : Z:\Racine\CADDS\WZ Prep_142-G\CDS\025034_TC1A.dgn PLOT DATE : 12/11/2017 PLOT BY : james.buggs PLOT NAME : PLOT SCALE : 1:30.48

2

R11-2
48" X 30"
LANE CLOSED
TYPE III BARRICADE

R11-2
48" X 30"
LANE CLOSED
TYPE III BARRICADE

N

WEST FRONTAGE ROAD

+47.88
-82.75'LT

MATCH EXISTING

231

+48.29
-67.52'LT

W04-1

+00.00
-39.25'LT

226

100'

IH-94 SB

IH-94 NB

MATCHLINE 845+50

MATCHLINE 860+50

846 848 850 852 854 856 858 860

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	TRAFFIC CONTROL: MAINLINE - STAGE 1A	SHEET 101	E

FILE NAME : Z:\Racine\CADDS\WZ Prep_142-G\CDS\025035_TC1A.dgn PLOT DATE : 12/11/2017 PLOT BY : james.buggs PLOT NAME : PLOT SCALE : 1:30.48

2

R11-2
48" X 30"
LANE CLOSED

TYPE III BARRICADE

ROAD WORK 1 MILE
W20-1F

N

MATCH EXISTING

+15.04
-88.54' LT

25'

100'

IH-94 SB

IH-94 NB

MATCHLINE 860+50

MATCHLINE 875+50

862 864 866 868 870 872 874

226

231

EAST FRONTAGE ROAD

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	TRAFFIC CONTROL: MAINLINE - STAGE 1A	SHEET 102	E

FILE NAME : Z:\Racine\CADDS\WZ Prep_142-G\CDS\025036_TC1A.dgn PLOT DATE : 12/11/2017 PLOT BY : james.buggs PLOT NAME : PLOT SCALE : 1:30.48

2

N

WEST FRONTAGE ROAD

CTH C

EXIT

E5-1
60" X 48"

MATCH EXISTING

+31.81
-66.24' LT

+31.40
-51.25' LT

25

100'

+69.9
39.25' LT

+31.5
39.25' LT

+79.7
51.25' LT

+95.5
51.25' LT

+95.7
39.25' LT

50'

226

231

232

IH 94 SB

IH 94 NB

R/L IH 94

MATCHLINE 875+50

MATCHLINE 890+00

876 878 880 882 884 886 888

R11-2
48" X 30"

LANE CLOSED

TYPE III BARRICADE

EAST FRONTAGE ROAD

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	TRAFFIC CONTROL: MAINLINE - STAGE 1A	SHEET 103	E

2

N

MOVING SIGNS TYPE I
MOVE TO TEMPORARY SUPPORT.
SEE S.D.D. "TEMPORARY TRAFFIC CONTROL SIGN MOUNTING."

PARK & RIDE
EXIT 333

EVANS LANE

WEST FRONTAGE ROAD

BEGIN TEMPORARY WIDENING
STA 901+35 +35.00
-65.00' LT

CONCRETE BARRIER
TEMPORARY PRECAST
DELIVERED AND
INSTALLED

220

REMOVE DELINEATORS

SAW AND REMOVE
ASHPALT PAVEMENT
STA 901+35 TO STA 902+91

MATCHLINE 890+00

MATCHLINE 905+00

50'

IH 94 SB

IH 94 NB

892 894 896 898 900 902 904

+00.00
42.25' LT TBC

R/L IH 94

EAST FRONTAGE ROAD

W21-62O
48" X 30"
WORK ZONE

SPEED LIMIT 70
R2-1
48" X 60"

FINES DOUBLE
W21-62R
48" X 30"

RIGHT LANE CLOSED 1/2 MILE
W20-5

MAINTAIN CONCRETE BARRIER
TEMPORARY PRECAST
STA 895+00 TO STA 913+38

RIGHT LANE CLOSED 1500 FT
W20-5

MAINTAIN CONCRETE BARRIER
TEMPORARY PRECAST
STA 895+50 TO STA 906+40 RT

ADVANCE SIGNING

IH 94 SB

IH 94 NB

STH 20

ENTRANCE RAMP

ROAD WORK AHEAD
W20-1

CONTRACTOR TO PROVIDE SIGN
W20-1 "ROAD WORK AHEAD"
AT ALL ENTRANCE RAMPS WITHIN WORK ZONE
AND AS OTHERWISE DIRECTED BY FIELD ENGINEER

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	TRAFFIC CONTROL: MAINLINE - STAGE 1A	SHEET 104	E

FILE NAME : Z:\Racine\CADDS\WZ Prep_142-G\CDS\025038_TC1A.dgn PLOT DATE : 12/11/2017 PLOT BY : james.buggs PLOT NAME : PLOT SCALE : 1:30.48

2

N

N

ESTR
SIS
FOOD

WEST FRONTAGE ROAD

CONCRETE BARRIER TEMPORARY PRECAST DELIVERED AND INSTALLED

CONSTRUCT TEMPORARY WIDENING

REMOVE DELINEATORS

+50
75.5' LT

+10
69.5' LT

226

MATCHLINE 905+00

IH 94 SB

906 908 910 912 TBC 914 916 918 92

R/L IH 94

MATCHLINE 920+00

IH 94 NB

R/L IH 94

12'

12'

+30.00
42.52' RT

226

50'

500'

DRUMS SPACED @ 10' INTERVALS AS NEEDED IN FRONT OF ARROW BOARD

DYNAMIC LATE MERGE SYSTEM WITH ADVANCE SIGNING REQUIRED SEE TRAFFIC CONTROL DETAIL

MAINTAIN CONCRETE BARRIER TEMPORARY PRECAST STA 895+00 TO STA 913+38

EAST FRONTAGE ROAD

W04-2R

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	TRAFFIC CONTROL: MAINLINE - STAGE 1A	SHEET 105	E

2

N

KRAUT ROAD

WEST FRONTAGE ROAD

EXISTING CONCRETE BARRIER

SALVAGED RAIL
SALVAGED GUARDRAIL
END TREATMENTS

BEGIN TEMPORARY WIDENING
STA 932+77

+77
75.5' LT

IH 94 SB

IH 94 SB

CONCRETE BARRIER TEMPORARY PRECAST
DELIVERED AND INSTALLED

MATCHLINE 920+00

920

922

924

926

928

930

932

934

MATCHLINE 935+00

IH 94 NB

+50.00
30.69' RT

50'

R/L IH 94

100'

+00.00
33.82' RT

IH 94 NB

CC

CRASH CUSHION
TEMPORARY

CONCRETE BARRIER TEMPORARY PRECAST
DELIVERED AND INSTALLED

+74
54.5' RT

+82
63.4' RT

BEGIN TEMPORARY WIDENING
STA 931+74

DRUMS SPACED @ 10' INTERVALS AS
NEEDED IN FRONT OF ARROW BOARD

W5-52R
18" X 54"

EAST FRONTAGE ROAD

KRAUT ROAD

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	TRAFFIC CONTROL: MAINLINE - STAGE 1A	SHEET 106	E

MOVING SIGNS TYPE I
MOVE TO TEMPORARY SUPPORT.
SEE S.D.D. "TEMPORARY TRAFFIC CONTROL SIGN MOUNTING."

MOVING SIGNS TYPE II

FRANK LLOYD WRIGHT TRAIL

Waterford
Amtrak Station
EXIT 333

N

ESTR

SIS
LODGING

TEMPORARY STORMSEWER EXTENSION
INSTALL 18" SSPRC AND
CONCRETE COLLAR

WEST FRONTAGE ROAD

REMOVE DELINEATORS

CONCRETE BARRIER TEMPORARY PRECAST
DELIVERED AND INSTALLED

REMOVE DELINEATORS
CONSTRUCT TEMPORARY
WIDENING

IH 94 SB

IH 94 NB

R/L IH 94

MATCHLINE 935+00

MATCHLINE 950+00

936 938 940 942 944 946 948

REMOVE STORM SEWER 42-INCH
INSTALL CULVERT PIPE TEMPORARY 42-INCH
AS DIRECTED BY THE ENGINEER
CONCRETE COLLAR REQUIRED

CONSTRUCT TEMPORARY WIDENING

REMOVE DELINEATORS

EAST FRONTAGE ROAD

REMOVE STORM SEWER 18-INCH
INSTALL CULVERT PIPE TEMPORARY 18-INCH
AS DIRECTED BY THE ENGINEER
CONCRETE COLLAR REQUIRED

RIDESHARE
INFO CALL
1-800-455-POOL
D12-2A
60" X 42"

REMOVING SIGNS TYPE II

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	TRAFFIC CONTROL: MAINLINE - STAGE 1A	SHEET 107	E

FILE NAME : Z:\Racine\CADDS\WZ Prep_142-G\CDS\025041_TC1A.dgn PLOT DATE : 12/11/2017 PLOT BY : james.buggs PLOT NAME : PLOT SCALE : 1:30.48

WISDOT/CADDS SHEET 42

MOVING SIGNS TYPE I
MOVE TO TEMPORARY SUPPORT.
SEE S.D.D. "TEMPORARY TRAFFIC CONTROL SIGN MOUNTING."

N

TOURIST INFO
EXIT 333

TEMPORARY EXTENSION
INSTALL 18" SSPRC AND
CONCRETE COLLAR

WEST FRONTAGE ROAD

CONCRETE BARRIER TEMPORARY PRECAST
DELIVERED AND INSTALLED

CONSTRUCT TEMPORARY WIDENING
REMOVE DELINEATORS

END TEMPORARY WIDENING
STA 962+22
REMOVE DELINEATORS

+18
67.3' LT

IH 94 SB

R/L IH 94

IH 94 NB

MATCHLINE 950+00

MATCHLINE 965+00

950 952 954 956 958 960 962 964

REMOVE DELINEATORS

CONSTRUCT TEMPORARY WIDENING

TEMPORARY
COVER PLATE

EAST FRONTAGE ROAD

COUNTY K	1¼
COUNTY G	3½
SEVEN MILE RD	5

ESTR NORTHBOUND

20	1¼
11	3¾
KR	5¼

ESTR SOUTHBOUND

2

N

2 MILE RD

WEST FRONTAGE ROAD

CONCRETE BARRIER TEMPORARY PRECAST DELIVERED AND INSTALLED

CRASH CUSHION TEMPORARY

+60
34.0' LT

CC

226

100'

840' LANE DROP TAPER

+60
30.7' LT

50'

MATCHLINE 965+00

MATCHLINE 980+00

966 968 970 972 974 976 978

IH 94 SB

R/L IH 94

IH 94 NB

10.5

CONSTRUCT TEMPORARY WIDENING

REMOVE DELINEATORS

CONCRETE BARRIER TEMPORARY PRECAST DELIVERED AND INSTALLED

EAST FRONTAGE ROAD

EXIT 329

COUNTY K

RACINE
1 MILE

MOVING SIGNS TYPE I
MOVE TO TEMPORARY SUPPORT.
SEE S.D.D. "TEMPORARY TRAFFIC CONTROL SIGN MOUNTING."

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	TRAFFIC CONTROL: MAINLINE - STAGE 1A	SHEET 109	E

FILE NAME : Z:\Racine\CADDS\WZ Prep_142-G\CDS\025043_TC1A.dgn PLOT DATE : 12/11/2017 PLOT BY : james.buggs PLOT NAME : PLOT SCALE : 1:30.48

N

WEST FRONTAGE ROAD

840' LANE DROP TAPER

420'

50'

500'

25'

50'

DYNAMIC LATE MERGE SYSTEM
WITH ADVANCE SIGNING REQUIRED
SEE TRAFFIC CONTROL DETAIL

DRUMS SPACED @ 10' INTERVALS AS
NEEDED IN FRONT OF ARROW BOARD

MATCHLINE 980+00

226

CONCRETE BARRIER TEMPORARY PRECAST
DELIVERED AND INSTALLED

R/L IH 94

+00.00
-42.32' LT

R/L IH 94

980 982 984 986 988 990 992 994

IH 94 SB

IH 94 NB

MATCHLINE 995+00

REMOVE DELINEATORS

+31
75.5' RT

+31
66.4' RT

CONSTRUCT TEMPORARY WIDENING

END TEMPORARY WIDENING
STA 992+31

EAST FRONTAGE ROAD

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	TRAFFIC CONTROL: MAINLINE - STAGE 1A	SHEET 110	E

2

N

W04-2R

RIGHT LANE CLOSED 1500 FT
W20-5

W21-62Q
48" X 30"
WORK ZONE

SPEED LIMIT 70

R2-1
48" X 60"
FINES DOUBLE

W21-62R
48" X 30"

WEST FRONTAGE ROAD

IH 94 SB

IH 94 NB

MATCHLINE 995+00

996

998

1000

1002

1004

1006

1008

1010

MATCHLINE 1010+00

R/L IH 94

R/L IH 94

226

CONCRETE BARRIER TEMPORARY PRECAST DELIVERED AND INSTALLED

GOLF RD

+64.00
65.00' RT

+49
75.4' RT

REMOVE DELINEATORS

BEGIN TEMPORARY WIDENING
STA 1006+64

CONSTRUCT TEMPORARY WIDENING

EAST FRONTAGE ROAD

SIGN

BERM

SIGN

FLAG

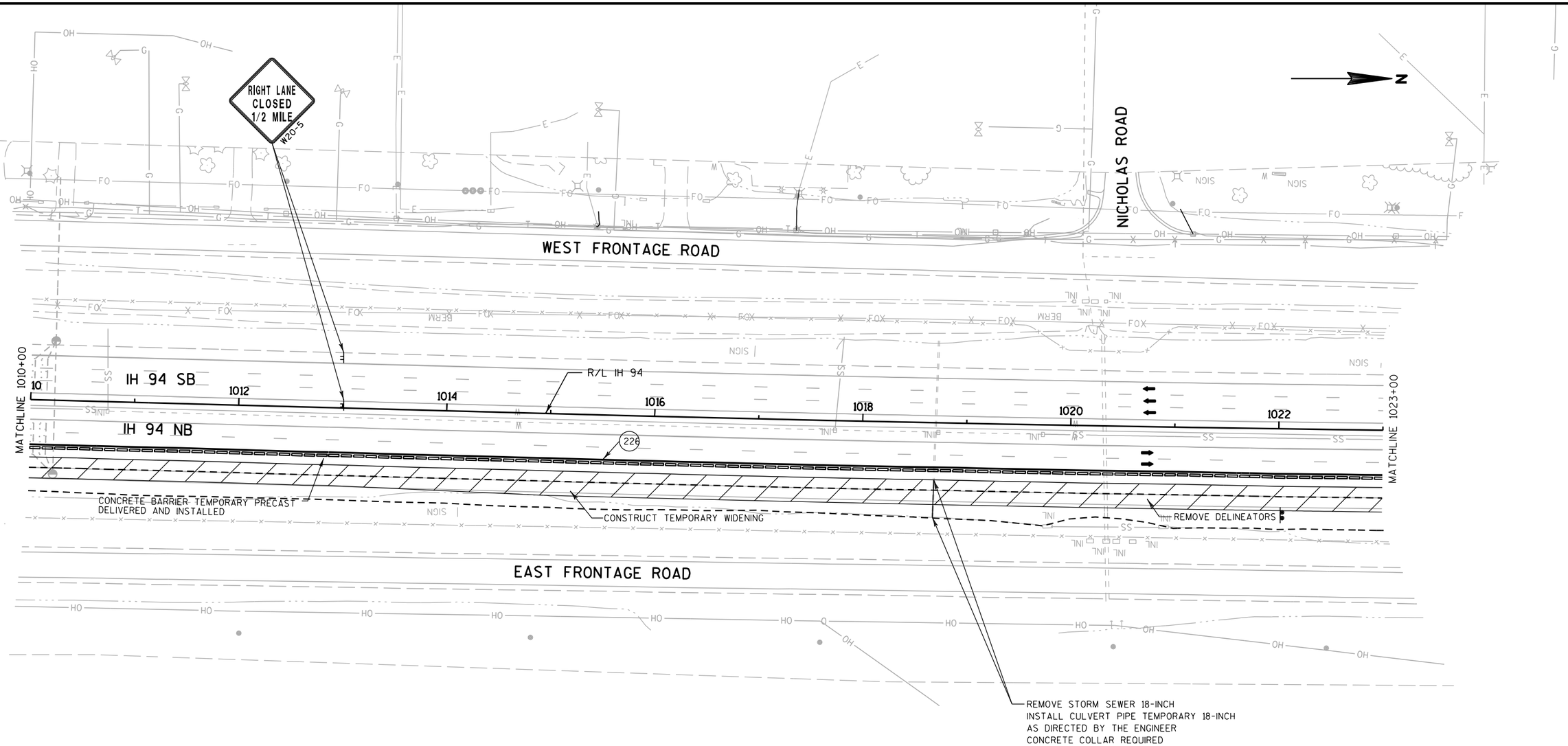
SEPTIC

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	TRAFFIC CONTROL: MAINLINE - STAGE 1A	SHEET	E

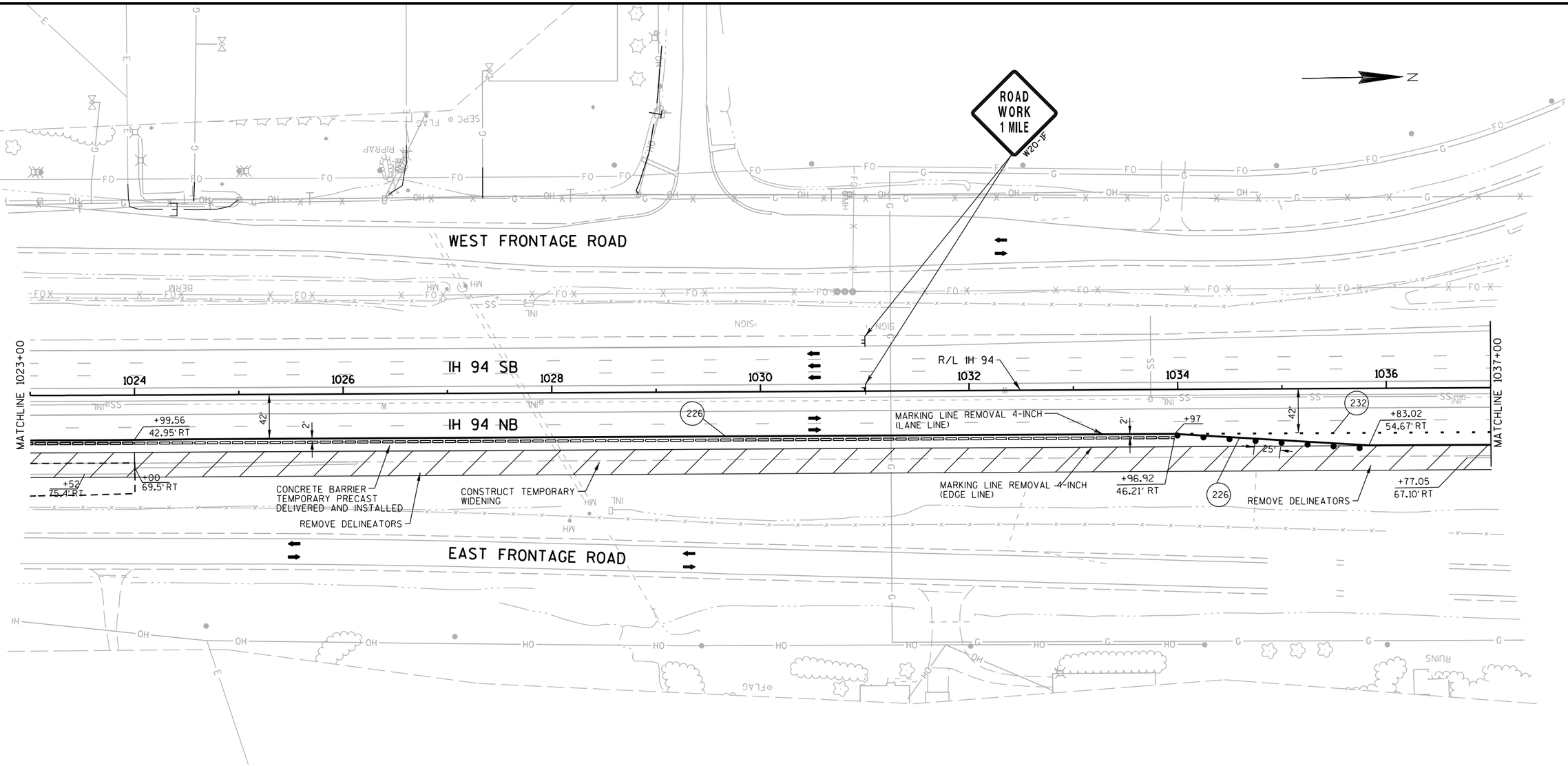
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WISDOT/CADDS SHEET 42

2


RIGHT LANE
CLOSED
1/2 MILE
W20-5
N
NICHOLAS ROAD
WEST FRONTAGE ROAD
EAST FRONTAGE ROAD
MATCHLINE 1010+00
MATCHLINE 1023+00
IH 94 SB
IH 94 NB
R/L IH 94
10
1012
1014
1016
1018
1020
1022
226
CONCRETE BARRIER TEMPORARY PRECAST
DELIVERED AND INSTALLED
CONSTRUCT TEMPORARY WIDENING
REMOVE DELINEATORS
REMOVE STORM SEWER 18-INCH
INSTALL CULVERT PIPE TEMPORARY 18-INCH
AS DIRECTED BY THE ENGINEER
CONCRETE COLLAR REQUIRED

2



PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	TRAFFIC CONTROL: MAINLINE - STAGE 1A	SHEET 113	E

2

WEST FRONTAGE ROAD

RAMP SW

IH 94 SB

IH 94 NB

R/L IH 94

MATCHLINE 1037+00

MATCHLINE 1051+00

1038 1040 1042 1044 1046 1048 1050

42'

232

+06.75
54.69'RT

+45.43
42.69'RT

231

25'

50'

100'

CRASH CUSHION TEMPORARY

CC

+70.00
42.72'RT

MARKING LINE REMOVAL 4-INCH (LANE LINE)

CONCRETE BARRIER TEMPORARY PRECAST DELIVERED AND INSTALLED

226

2'

+75.17
76.00'RT

CONSTRUCT TEMPORARY WIDENING
TEMP WIDENING AT RAMP TO BE DONE WITH NIGHTLY CLOSURE.
SEE SDD "TRAFFIC CONTROL, EXIT RAMP CLOSURE".

+32.32
65.25'RT

+44.02
76.00'RT

+69.56
78.00'RT

+17
MATCH EXISTING

REMOVE DELINEATORS

RAMP SE

EXIT
329

ESTR

EXIT
E5-1
60" X 48"

EXIT
50
M.P.H.

MOVING SIGNS
TYPE II

EXIT 329
K
RACINE

ESTR

EAST FRONTAGE ROAD

MICHEL COURT

RIPRAP

BERM

SIGN

FLAG

ANT

A/C

WALLS

SEPC

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	TRAFFIC CONTROL: MAINLINE - STAGE 1A	SHEET 114	E

2

N

CTH K

RAMP SW

RAMP NW

RAMP NE

RAMP SE

MATCHLINE 1051+00

MATCHLINE 1065+00

1052 1054 1056 1058 1060 1062 1064

IH 94 SB

IH 94 NB

MARKING LINE REMOVAL 4-INCH (LANE LINE)

R/L IH 94

226

42"

2"

REMOVE DELINEATORS

CONCRETE BARRIER TEMPORARY PRECAST DELIVERED AND INSTALLED

ROAD WORK AHEAD W20-1A

ROAD WORK 500 FT W20-1D

CANOPY

FILLER CAPS

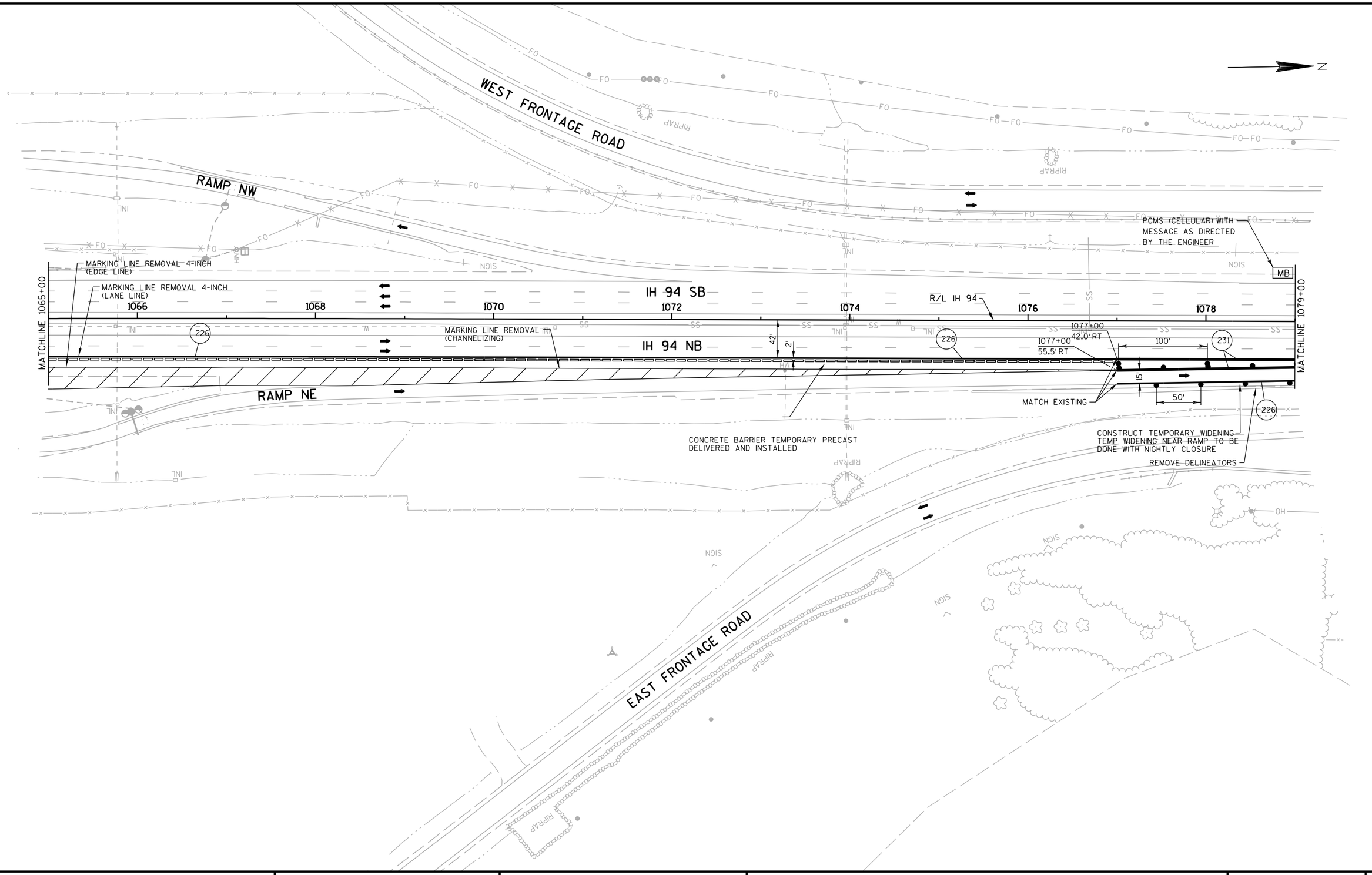
SCALE

BERM

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	TRAFFIC CONTROL: MAINLINE - STAGE 1A	SHEET 115	E

FILE NAME : Z:\Racine\CADDS\WZ Prep_142-G\CDS\025049_TC1A.dgn PLOT DATE : 12/11/2017 PLOT BY : james.buggs PLOT NAME : PLOT SCALE : 1:30.48

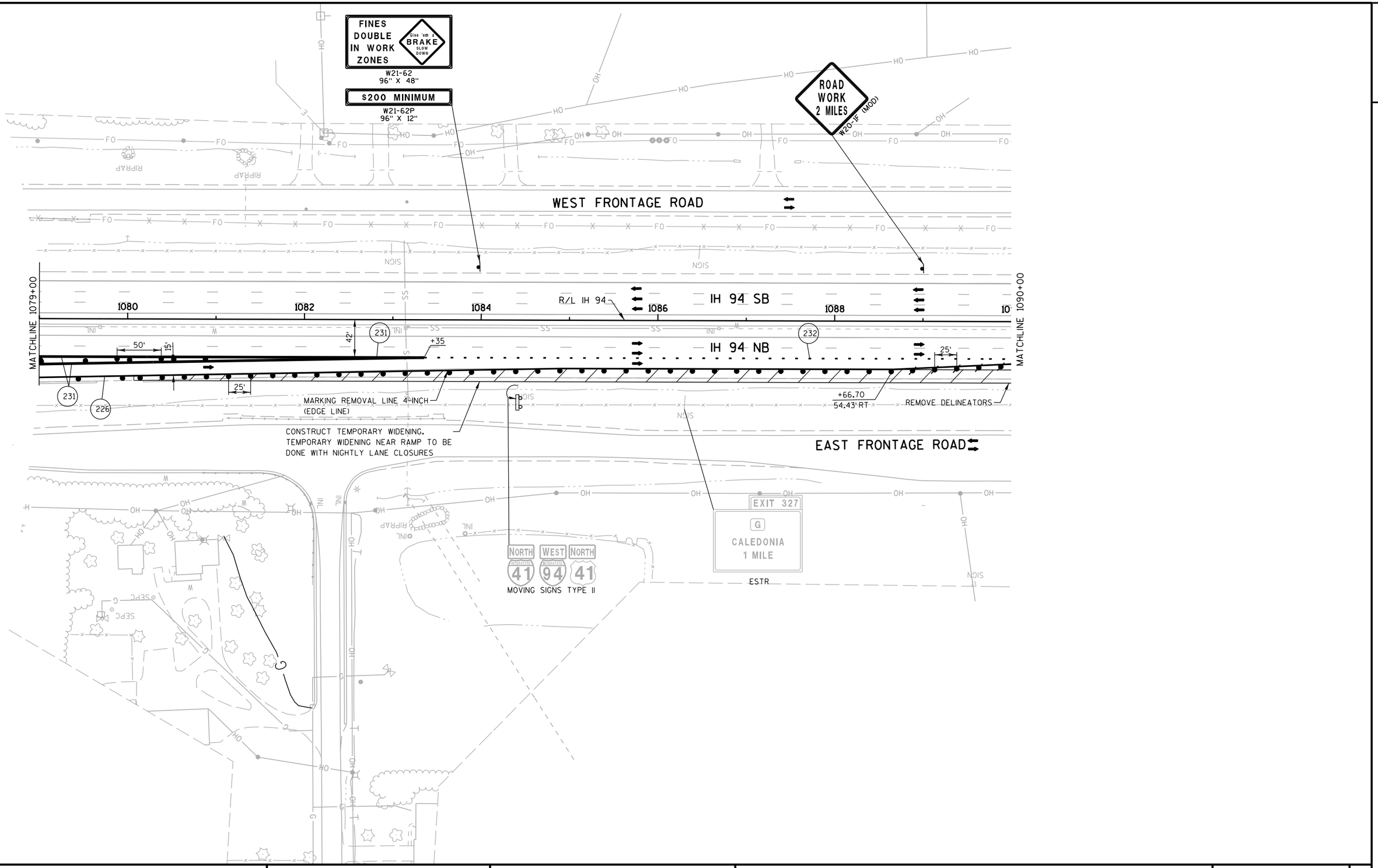
2



PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	TRAFFIC CONTROL: MAINLINE - STAGE 1A	SHEET	E

FILE NAME : Z:\Racine\CADDS\WZ Prep_142-G\CDS\025050_TC1A.dgn PLOT DATE : 12/11/2017 PLOT BY : james.buggs PLOT NAME : PLOT SCALE : 1:30.48

2



PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	TRAFFIC CONTROL: MAINLINE - STAGE 1A	SHEET 117	E

2

N

WEST FRONTAGE ROAD

MATCHLINE 1090+00

MATCHLINE 1104+00

+35
CRASH CUSHION
TEMPORARY

IH 94 SB

IH 94 NB

1090 1092 1094 1096 1098 1100 1102

MARKING LINE REMOVAL 4-INCH

R/L IH 94

232

25'

50'

42'

2'

226

24"

+15
42.5' RT

CC

CONCRETE BARRIER
TEMPORARY PRECAST
DELIVERED AND INSTALLED

4.5' TYP

REMOVE
DELINEATORS

CONSTRUCT TEMPORARY WIDENING

EAST FRONTAGE ROAD

SEE SDD "TRAFFIC CONTROL, WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY" FOR TRAFFIC CONTROL ALONG EAST FRONTAGE ROAD DURING WORK ON ADJACENT MAINLINE SHOULDER, AS DIRECTED BY THE ENGINEER. DEVICES TO BE PAID FOR ONLY WHEN IN USE, AS APPROVED BY THE ENGINEER.

W21-62O
48" X 30"
WORK ZONE

SPEED LIMIT 70
R2-1
48" X 60"

FINES DOUBLE
W21-62R
48" X 30"

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	TRAFFIC CONTROL: MAINLINE - STAGE 1A	SHEET 118	E

2

ESTR

COUNTY G — 1/2
SEVEN MILE RD — 2
241 27th St — 3

ESTR

COUNTY K — 1/2
20 — 4 1/4
11 — 6 3/4

N

WEST FRONTAGE ROAD

RAMP WSW

IH 94 SB

IH 94 NB

MATCHLINE 1104+00

MATCHLINE 1119+00

1104 1106 1108 1110 1112 1114 1116 1118

24'

REMOVE STORM SEWER 18-INCH.
INSTALL CULVERT PIPE
TEMPORARY 18-INCH AS DIRECTED
BY THE ENGINEER.

R/L IH 94

MARKING LINE REMOVAL 4-INCH

REMOVE
DELINEATORS

EAST FRONTAGE ROAD

4.5' TYP.

+50.00
69.50' RT

+80.00
75.50' RT

10.5' TYP.

CONSTRUCT TEMPORARY WIDENING

BELL ROAD

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	TRAFFIC CONTROL: MAINLINE - STAGE 1A	SHEET 119	E

FILE NAME : Z:\Racine\CADDS\WZ Prep_142-G\CDS\025053_TC1A.dgn PLOT DATE : 12/11/2017 PLOT BY : james.buggs PLOT NAME : PLOT SCALE : 1:30.48

2

N

MAINTAIN CONCRETE BARRIER
TEMPORARY PRECAST
STA 1129+06 TO STA 1137+00 LT

STA 1125+88 TO STA 1130+00
MAINTAIN CONCRETE BARRIER
TEMPORARY PRECAST FROM
PROJECT 1030-25-74
MOVE TO CONSTRUCT TEMPORARY
WIDENING, THEN MOVE TO OUTSIDE
EDGE OF TEMPORARY WIDENING
(PAID AS TWO INSTALLS)

MAINTAIN CONCRETE BARRIER
TEMPORARY PRECAST
STA 1132+35 TO STA 1138+00
(DOUBLE ROW)

WEST FRONTAGE ROAD

RAMP WNW

STA 1120+00 TO STA 1130+65
MAINTAIN CONCRETE BARRIER
TEMPORARY PRECAST

MATCHLINE 1119+00

R/L IH 94

IH 94 SB

1120 1122 1124 1126 1128 1130 1132

MARKING LINE REMOVAL
4-INCH (LANE LINE AND
EDGE LINE)

REMOVE STORM
SEWER 18-INCH.
INSTALL CULVERT
PIPE TEMPORARY
18-INCH AS DIRECTED
BY THE ENGINEER.

MATCHLINE 1134+00

226

IH 94 NB

+00.00
42.66' RT

+00.00
44.66' RT

10.5' TYP.

CONSTRUCT TEMPORARY WIDENING

REMOVE
DELINEATORS

EAST FRONTAGE ROAD

STA 1129+14, 75.5' RT
END TEMPORARY WIDENING

REMOVE CONCRETE
RUMBLE STRIPS

STA 1125+88
SALVAGE CRASH CUSHION

MAINTAIN CONCRETE BARRIER
TEMPORARY PRECAST
STA 1130+00 TO STA 1137+90 RT

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	TRAFFIC CONTROL: MAINLINE - STAGE 1A	SHEET 120	E

2

N

5 MILE ROAD

WEST FRONTAGE ROAD

MAINTAIN CONCRETE BARRIER
TEMPORARY PRECAST
STA 1129+06 TO STA 1137+00 LT

MAINTAIN CONCRETE BARRIER
TEMPORARY PRECAST
STA 1132+35 TO STA 1138+00
(DOUBLE ROW)

R/L IH 94

MATCHLINE 1134+00

1134

1136

1138

1140

1142

1144

1146

1148

IH 94 SB

IH 94 NB

+00.00
52.41' RT
MATCH EXISTING

50'

12

EAST FRONTAGE ROAD

MAINTAIN CONCRETE BARRIER
TEMPORARY PRECAST
STA 1130+00 TO STA 1137+90 RT

END
ROAD WORK
G20-2A
48" X 24"

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	TRAFFIC CONTROL: MAINLINE - STAGE 1A	SHEET 121	E

FILE NAME : Z:\Racine\CADDS\WZ Prep_142-G\CDS\025055_TC1A.dgn PLOT DATE : 12/11/2017 PLOT BY : james.buggs PLOT NAME : PLOT SCALE : 1:30.48

2

N

WEST FRONTAGE ROAD

END ROAD WORK
G20-2A
48" X 24"

MATCH EXISTING PAVEMENT MARKING

225

+00.00
-39.25' LT

+00.00
-15.25' LT

IH 94 SB

IH 94 NB

464 466 468 470 474 476

50'

100'

8:1 TAPER

R/L IH 94

MATCHLINE 478+00

STA 474+25 TO 489+00
MOVE EXISTING CONCRETE
BARRIER TEMPORARY PRECAST
(PAID AS "INSTALLED")

EAST FRONTAGE ROAD

W5-52L
12" X 36"

1600' 1000' 500'

ROAD WORK AHEAD W20-1

LEFT SHOULDER CLOSED AHEAD W21-5B

LEFT SHOULDER CLOSED W21-5A

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	TRAFFIC CONTROL: MAINLINE - STAGE 1B	SHEET 122 E

FILE NAME : Z:\Racine\CADDS\WZ Prep_142-G\CDS\025055a_TC1B.dgn PLOT DATE : 12/11/2017 PLOT BY : james.buggs PLOT NAME : PLOT SCALE : 1:30.6114

2

N

WEST FRONTAGE ROAD

MATCH EXISTING PAVEMENT MARKING

EDGE OF TEMPORARY PAVEMENT WIDENING

MAINTAIN CONCRETE BARRIER TEMPORARY PRECAST STA 486+00 TO STA 496+50

+90.00 -39.25'LT

+90.00 -51.25'LT

+90.00 -63.25'LT

+00.00 -69.00'LT

+00.00 -58.00'LT

+00.00 -47.00'LT

R/L IH 94

IH 94 SB

IH 94 NB

240' VANE DRAIN FOR MAINLINE AND ENTRANCE RAMP CROSSOVER

80' VANE DRAIN FOR MAINLINE AND ENTRANCE RAMP CROSSOVER

MAINTAIN CONCRETE BARRIER TEMPORARY PRECAST STA 474+00 TO STA 503+50

MAINTAIN CONCRETE BARRIER TEMPORARY PRECAST STA 486+00 TO STA 497+25

EAST FRONTAGE ROAD

MATCHLINE 478+00

MATCHLINE 493+00

TANKS

SEPC

SEPV

SIGN

RIPRAP

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	TRAFFIC CONTROL: MAINLINE - STAGE 1B	SHEET	E

FILE NAME : Z:\Racine\CADDS\WZ Prep_142-G\CDS\025056_TC1B.dgn PLOT DATE : 12/11/2017 PLOT BY : james.buggs PLOT NAME : PLOT SCALE : 1:30.48

2

N

MAINTAIN CONCRETE BARRIER
TEMPORARY PRECAST
STA 486+00 TO STA 496+50

EDGE OF TEMPORARY
PAVEMENT WIDENING

SALVAGED CRASH CUSHION

WEST FRONTAGE ROAD

W5-52L
12" X 36"

TH 94 SB

MATCHLINE 493+00

R/L IH 94

494 496 498 500 502 504 506

100'
(TYP)

IH 94 NB

MATCHLINE 508+00

+00.00
4.00' RT

CRASH CUSHION TEMPORARY

MAINTAIN CONCRETE BARRIER
TEMPORARY PRECAST
STA 474+00 TO STA 503+50

MAINTAIN CONCRETE BARRIER
TEMPORARY PRECAST
STA 486+00 TO STA 497+25

STA 493+90 TO STA 497+50
EXISTING VANE DRAIN

EAST FRONTAGE ROAD

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	TRAFFIC CONTROL: MAINLINE - STAGE 1B	SHEET 124 E

FILE NAME : Z:\Racine\CADDS\WZ Prep_142-G\CDS\025057_TC1B.dgn PLOT DATE : 12/11/2017 PLOT BY : james.buggs PLOT NAME : PLOT SCALE : 1:30.6114

2

N

REMOVING SIGNS TYPE I
(SOUTHBOUND)

142 1/2
158 2 1/2
50 4

WEST FRONTAGE ROAD

IH 94 SB

+30.80
-5.73' LT

MATCHLINE 508+00

MATCHLINE 523+00

TBC

510

512

514

516

518

520

522

+66.30
-5.52' LT

REMOVE SIGN STRUCTURE S-30-205
(SEE DETAIL "REMOVING SIGN BRIDGE NOTCH")

IH 94 NB

R/L IH 94

CONCRETE BARRIER TEMPORARY
PRECAST DELIVERED SPECIAL
AND INSTALLED

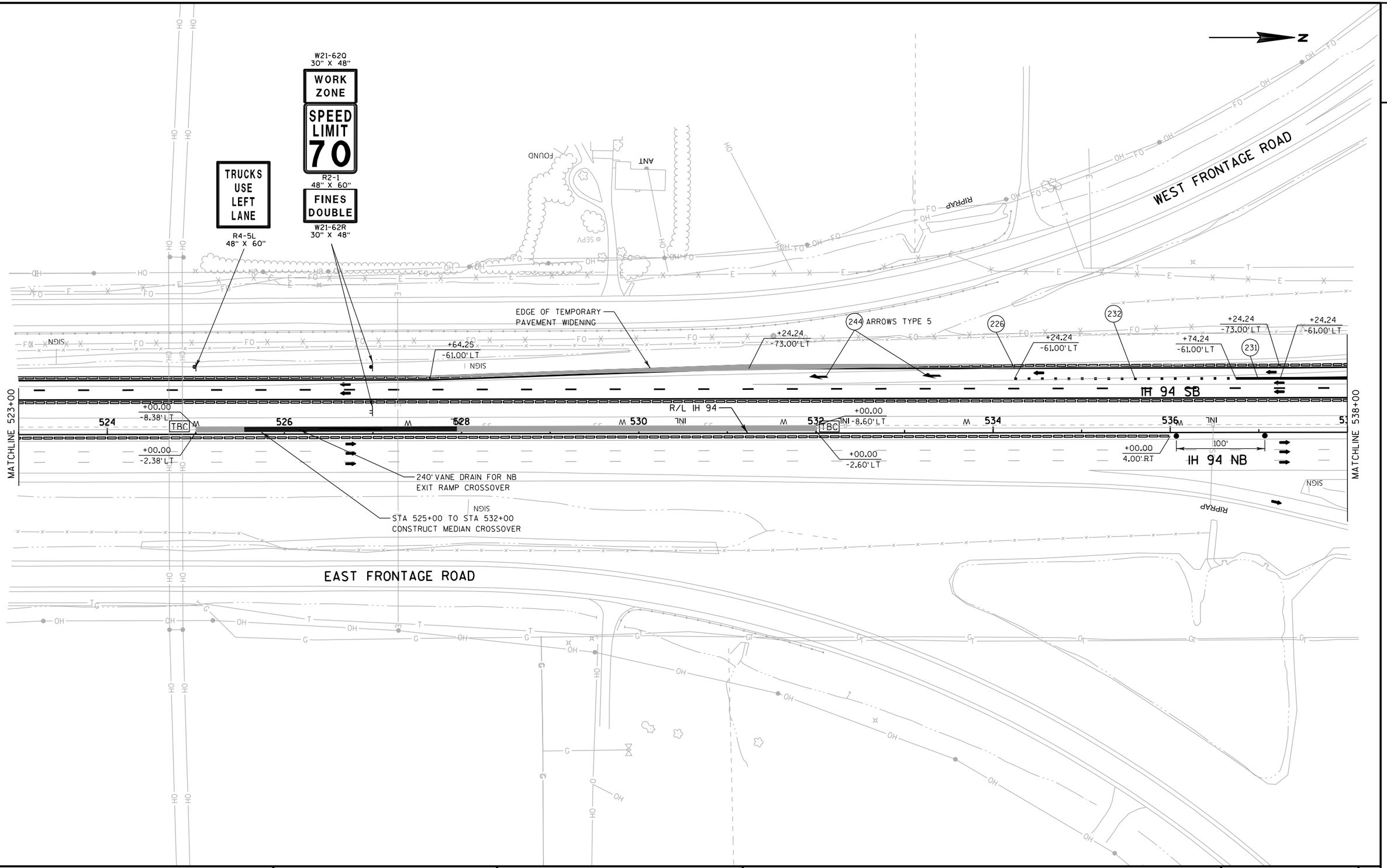
EAST FRONTAGE ROAD

E 1/2
KR 2 1/4
11 4 1/4

REMOVING SIGNS TYPE I
(NORTHBOUND)

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	TRAFFIC CONTROL: MAINLINE - STAGE 1B	SHEET 125	E

2



PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	TRAFFIC CONTROL: MAINLINE - STAGE 1B	SHEET 126	E

2

N

W5-52R
12" X 36"

W04-1

CRASH CUSHION TEMPORARY

EDGE OF TEMPORARY
PAVEMENT WIDENING

+20.17
-110.90' LT

+20.44
-107.91' LT

+23.11
-77.94' LT

+21.53
-95.96' LT

50'

+82.26
-64.00' LT

MATCH TO EXISTING BARRIER WALL
TEMPORARY THRIE BEAM CONNECTION

+23.21
-61.00' LT

TH 94 SB

IH 94 NB

R/L IH 94

100'
(TYP)

MATCHLINE 538+00

MATCHLINE 553+00

CTH E

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	TRAFFIC CONTROL: MAINLINE - STAGE 1B	SHEET 127	E

FILE NAME : Z:\Racine\CADDS\WZ Prep_142-G\CDS\025060_TC1B.dgn PLOT DATE : 12/11/2017 PLOT BY : james.buggs PLOT NAME : PLOT SCALE : 1:30.48

2

N

WEST FRONTAGE ROAD

MATCH EXISTING PAVEMENT MARKING

+23.80 -104.08' LT

+41.40 -114.78' LT

EDGE OF TEMPORARY PAVEMENT WIDENING

MATCH TO EXISTING BARRIER WALL TEMPORARY THRIE BEAM CONNECTION

+00.00 -61.00' LT

+17.94 -64.51' LT

+80.00 -69.00' LT

+80.00 -58.00' LT

+74.07 -72.00' LT

+68.06 -81.00' LT

+23.90 -69.00' LT

+50.00 -9.00' LT

+68.06 -69.00' LT

+00.00 -50.00' LT

+80.00 -47.00' LT

+00.00 -39.00' LT

+00.00 4.00' RT

+50.00 -3.00' LT

CRASH CUSHION TEMPORARY

CRASH CUSHION TEMPORARY

R/L IH 94

IH 94 SB

IH 94 NB

100' (TYP)

MATCHLINE STA 553+00

MATCHLINE STA 568+00

W5-52L 12" X 36"

W5-52R 12" X 36"

900'

200'

200'

STAY IN LANE R4-9 48" X 60"

W8-5 48" X 48"

PCMS LANES SHIFT AHEAD

W1-4B

60 M.P.H. W013-1 36" X 36"

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	TRAFFIC CONTROL: MAINLINE - STAGE 1B	SHEET 128	E

2

N

EDGE OF TEMPORARY
PAVEMENT WIDENING

WEST FRONTAGE ROAD

231 +18.06 -69.00'LT

232 +50.00 -81.00'LT

232 +00.00 -69.00'LT

+00.00 -69.00'LT

+00.00 -58.00'LT

+00.00 -47.00'LT

+00.00 -9.00'LT

IH 94 SB

MATCHLINE 568+00

568 570 572 574 576 578

TBC

INL SS

R/L IH 94

+00.00 -3.00'LT

IH 94 NB

+00.00 4.00'RT

MATCHLINE 579+00

240' VANE DRAIN FOR NB
ENTRANCE RAMP CROSSOVER

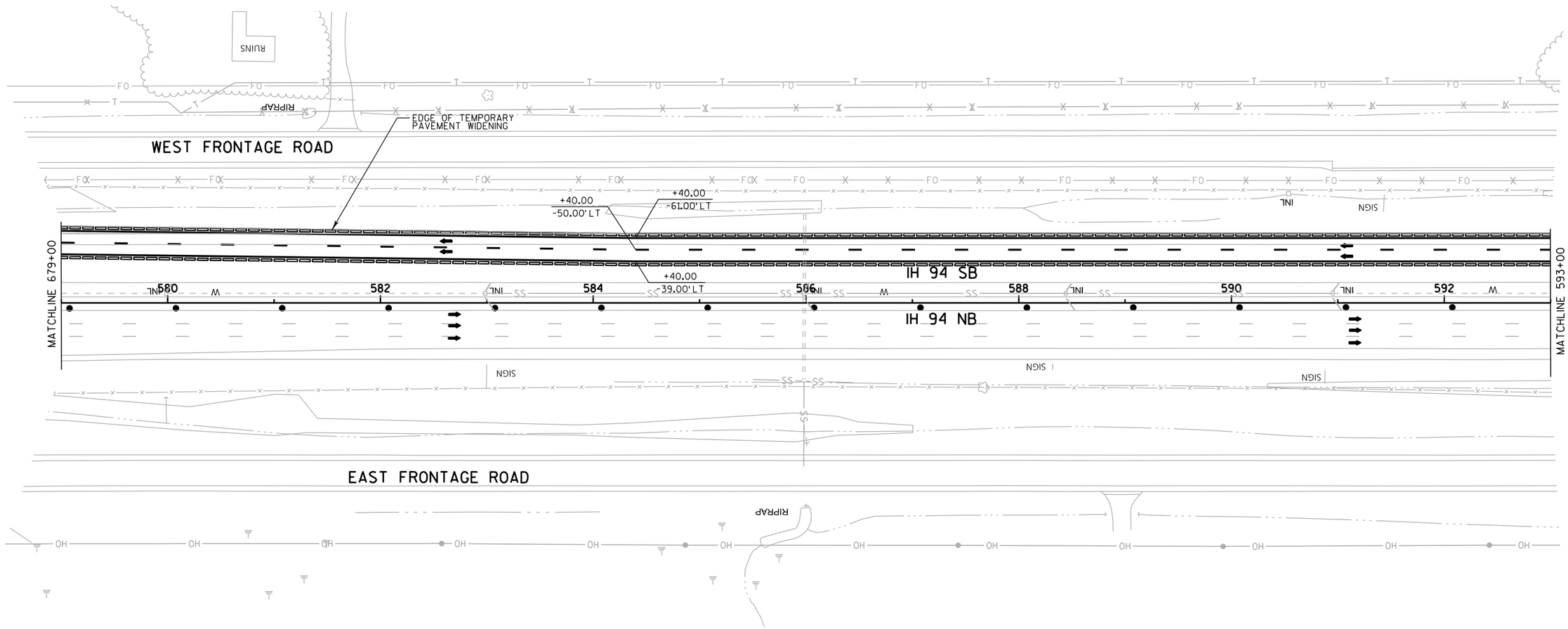
STA 567+50 TO STA 571+00
CONSTRUCT MEDIAN CROSSOVER

EAST FRONTAGE ROAD

RIPRAP

MH HW

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	TRAFFIC CONTROL: MAINLINE - STAGE 1B	SHEET 129	E



2

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	TRAFFIC CONTROL: MAINLINE - STAGE 1B	SHEET 130	E

2

N

WEST FRONTAGE ROAD

MATCH TO EXISTING BARRIER WALL
TEMPORARY THRIE BEAM CONNECTION

TBC
+22.35
-64.00'LT

SIGN

REMOVING SIGNS TYPE I
(SOUTHBOUND)

E 3/4
142 2 1/4
158 4 1/4

CONCRETE BARRIER TEMPORARY
PRECAST DELIVERED SPECIAL
AND INSTALLED

RIPRAP

IH 94 SB

IH 94 NB

MATCHLINE 593+00

MATCHLINE 607+50

594 596 598 600 602 604 606

50'

100'

+00

CRASH CUSHION TEMPORARY

CC

+99.94
4.09'RT

+65.06
-5.97'LT

+29.56
5.86'LT

TBC

REMOVE SIGN STRUCTURE S-30-206
(SEE DETAIL "REMOVING SIGN BRIDGE NOTCH")

EAST FRONTAGE ROAD

MH

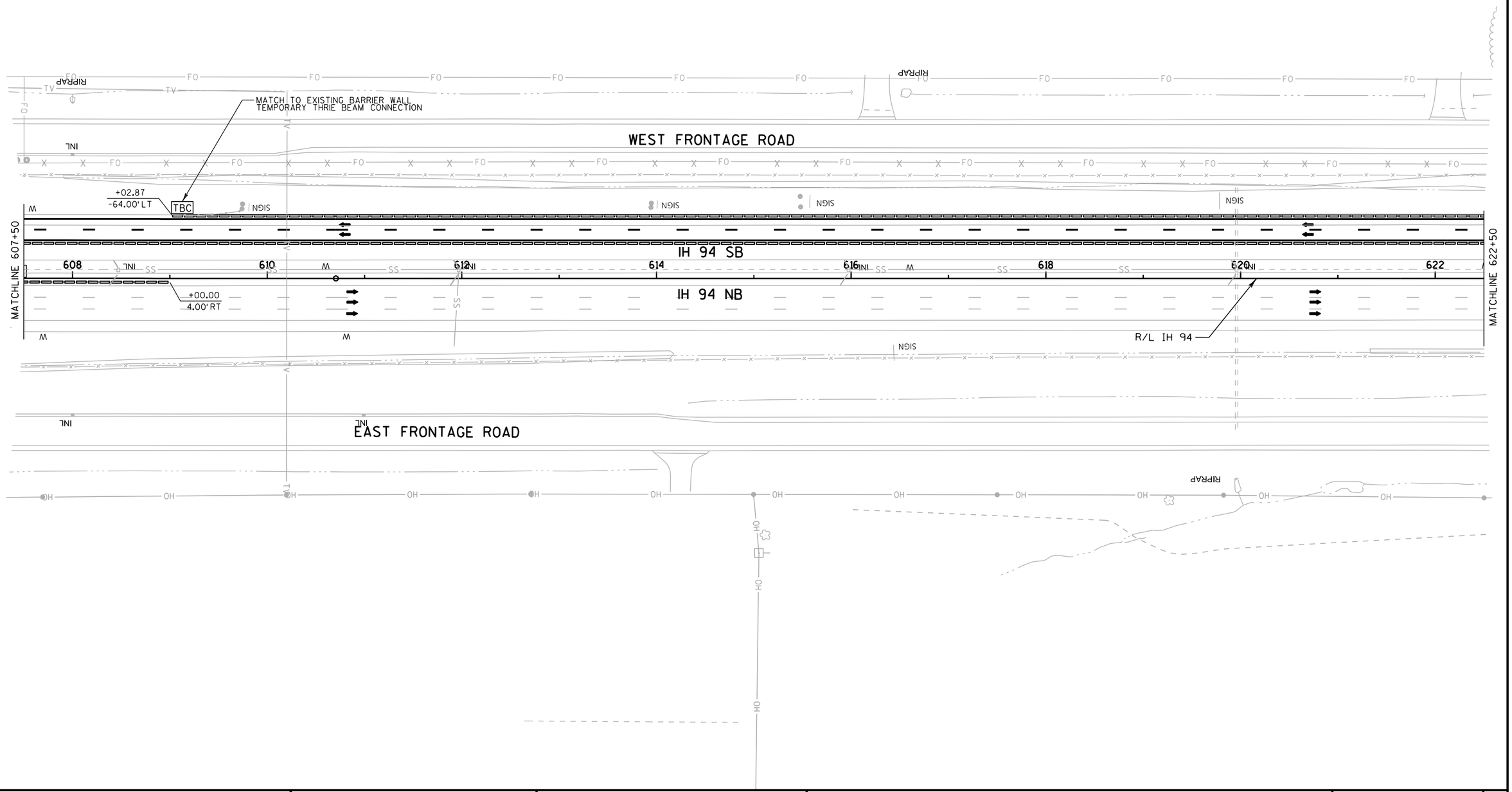
W5-52L
12" X 36"

KR 3/4
11 2 1/2
20 4 1/4

REMOVING SIGNS TYPE I
(NORTHBOUND)

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	TRAFFIC CONTROL: MAINLINE - STAGE 1B	SHEET 131	E

2



PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	TRAFFIC CONTROL: MAINLINE - STAGE 1B	SHEET 132	E

2

N

W21-620
30" X 48"
WORK ZONE
SPEED LIMIT 70

R2-1
48" X 60"
FINES DOUBLE

W21-62R
30" X 48"

TRUCKS USE LEFT LANE
R4-5L
48" X 60"

WEST FRONTAGE ROAD

IH 94 SB

IH 94 NB

MATCHLINE 622+50

MATCHLINE 637+50

624 626 628 630 632 634 636

EAST FRONTAGE ROAD

SIGN

RIPRAP

MH

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	TRAFFIC CONTROL: MAINLINE - STAGE 1B	SHEET 133	E

2

N

W04-1

W04-1

W5-52R
12" X 36"

MATCH EXISTING PAVEMENT MARKING

CRASH CUSHION TEMPORARY

MATCH TO EXISTING BARRIER WALL
TEMPORARY THRIE BEAM CONNECTION

+65.00
-61.00' LT

+25.00
-61.00' LT

+25.00
-73.00' LT

50'

CC

+30.08
-64.32' LT

TBC

IH 94 SB

IH 94 NB

MATCHLINE 637+50

MATCHLINE 652+70

638 640 642 644 646 648 650 652

R/L IH 94

+67.11
-64.34' LT

R/L IH 94

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	TRAFFIC CONTROL: MAINLINE - STAGE 1B	SHEET 134	E

2

2

N

CTH KR

CTH KR SB EXIT RAMP

MATCH TO EXISTING BARRIER WALL
TEMPORARY THRIE BEAM CONNECTION

+96.32
-64.44' LT

TBC

IH 94 SB

IH 94 NB

654 656 658 660 662 664 666

MATCHLINE 652+70

MATCHLINE 668+00

CTH KR NB ENTRANCE RAMP

EAST FRONTAGE ROAD

RUINS

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	TRAFFIC CONTROL: MAINLINE - STAGE 1B	SHEET 135	E

2

N

WEST FRONTAGE ROAD

W5-52R
12" X 36"

MATCH EXISTING
PAVEMENT MARKING

+39.49
-113.73'LT

+83.07
-88.20'LT

50'

+83.07
-61.00'LT

CRASH CUSHION TEMPORARY

CC

EDGE OF TEMPORARY
PAVEMENT WIDENING

226

232

+42.43
-73.00'LT

+80.00
-73.00'LT

+43.00
-61.00'LT

MATCHLINE 668+00

IH 94 SB

IH 94 NB

R/L IH 94

668 670 672 674 676 678 680 682

+33.14
-64.50'LT

+42.43
-61.00'LT

+92.43
-61.00'LT

231

MATCHLINE 683+00

EAST FRONTAGE ROAD

LEFT
SHOULDER
CLOSED
AHEAD
W21-5B

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	TRAFFIC CONTROL: MAINLINE - STAGE 1B	SHEET 136	E

2

N

CONCRETE BARRIER TEMPORARY PRECAST
REMAINS FROM PREVIOUS STAGE

MOVE TEMPORARY CONCRETE BARRIER

MARKING REMOVAL LINE 4-INCH
(EDGE LINE)

WEST FRONTAGE ROAD

IH 94 SB

IH 94 NB

EAST FRONTAGE ROAD

MATCHLINE 683+00

MATCHLINE 698+00

226 227 225

684 686 688 690 692 694 696

2"

11½"

1'

50'

+00

REMOVE CONCRETE RUMBLE STRIPS

R/L IH 94

LEFT
SHOULDER
CLOSED
W21-5A

RIPRAP

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	TRAFFIC CONTROL: MAINLINE - STAGE 1B	SHEET 137	E

FILE NAME : Z:\Racine\CADDS\WZ Prep_142-G\CDS\025070_TC1B.dgn PLOT DATE : 12/11/2017 PLOT BY : james.buggs PLOT NAME : PLOT SCALE : 1:30.48

2

N

BRAUN ROAD

REMOVING SIGNS TYPE I
(SOUTHBOUND)

KR 1/2
E 2 1/2
142 4

MATCH TO EXISTING BARRIER WALL
TEMPORARY THRIE BEAM CONNECTION

CONCRETE BARRIER TEMPORARY
PRECAST DELIVERED SPECIAL
AND INSTALLED

WEST FRONTAGE ROAD

MOVE TEMPORARY
CONCRETE BARRIER

MOVE TEMPORARY CONCRETE BARRIER

MARKING REMOVAL LINE 4-INCH
(EDGE LINE)

+51.07
-64.00' LT

TBC

11'
5'
11'
2'

IH 94 SB

MATCHLINE 698+00

698 700 702 704 706 708 710 712

100'

CC

+00.00
4.00' RT

+58.38
-6.02' LT

TBC TBC

+22.88
-6.22' LT

IH 94 NB

+00.00
4.00' RT

MATCHLINE 713+00

CRASH CUSHION TEMPORARY

R/L IH 94

REMOVE SIGN STRUCTURE S-51-200
(SEE DETAIL "REMOVING SIGN BRIDGE NOTCH")

EAST FRONTAGE ROAD

W5-52L
12" X 36"

REMOVING SIGNS TYPE I
(NORTHBOUND)

11 1/2
20 2 1/4
K 8

BRAUN ROAD

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	TRAFFIC CONTROL: MAINLINE - STAGE 1B	SHEET 138	E

2

N

TRUCKS USE LEFT LANE

R4-5L 48" X 60"

WEST FRONTAGE ROAD

MARKING REMOVAL LINE 4-INCH (EDGE LINE)

MATCH TO EXISTING BARRIER WALL TEMPORARY THRIE BEAM CONNECTION

TBC

MOVE TEMPORARY CONCRETE BARRIER

IH 94 SB

IH 94 NB

MATCHLINE 713+00

MATCHLINE 728+00

714 716 718 720 722 724 726

R/L IH 94

REMOVE CONCRETE RUMBLE STRIPS

EAST FRONTAGE ROAD

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	TRAFFIC CONTROL: MAINLINE - STAGE 1B	SHEET 139	E

FILE NAME : Z:\Racine\CADDS\WZ Prep_142-G\CDS\025072_TC1B.dgn PLOT DATE : 12/11/2017 PLOT BY : james.buggs PLOT NAME : PLOT SCALE : 1:30.48

2

W21-62O
30" X 48"
WORK ZONE
SPEED LIMIT 70
R2-1
48" X 60"
FINES DOUBLE
W21-62R
30" X 48"

W04-1

W5-52R
12" X 36"

WEST FRONTAGE ROAD

EDGE OF TEMPORARY PAVEMENT WIDENING

244 ARROWS TYPE 5

+18.79
-73.00' LT

+18.79
-61.00' LT

232

+68.79
-61.00' LT

+18.79
-73.00' LT

+18.79
-61.00' LT

231

+24.68
-88.49' LT

CRASH CUSHION TEMPORARY

CC

SB ON RAMP

50'

MATCHLINE 728+00

728 730 732 734 736 738 740 742

MATCHLINE 742+50

IH 94 SB

R/L IH 94

IH 94 NB

+25.67
-76.53' LT

+25.85
-61.00' LT

226

REMOVE EXISTING RUMBLE STRIPS AND REPAIR SHOULDER AS DETERMINED BY ENGINEER

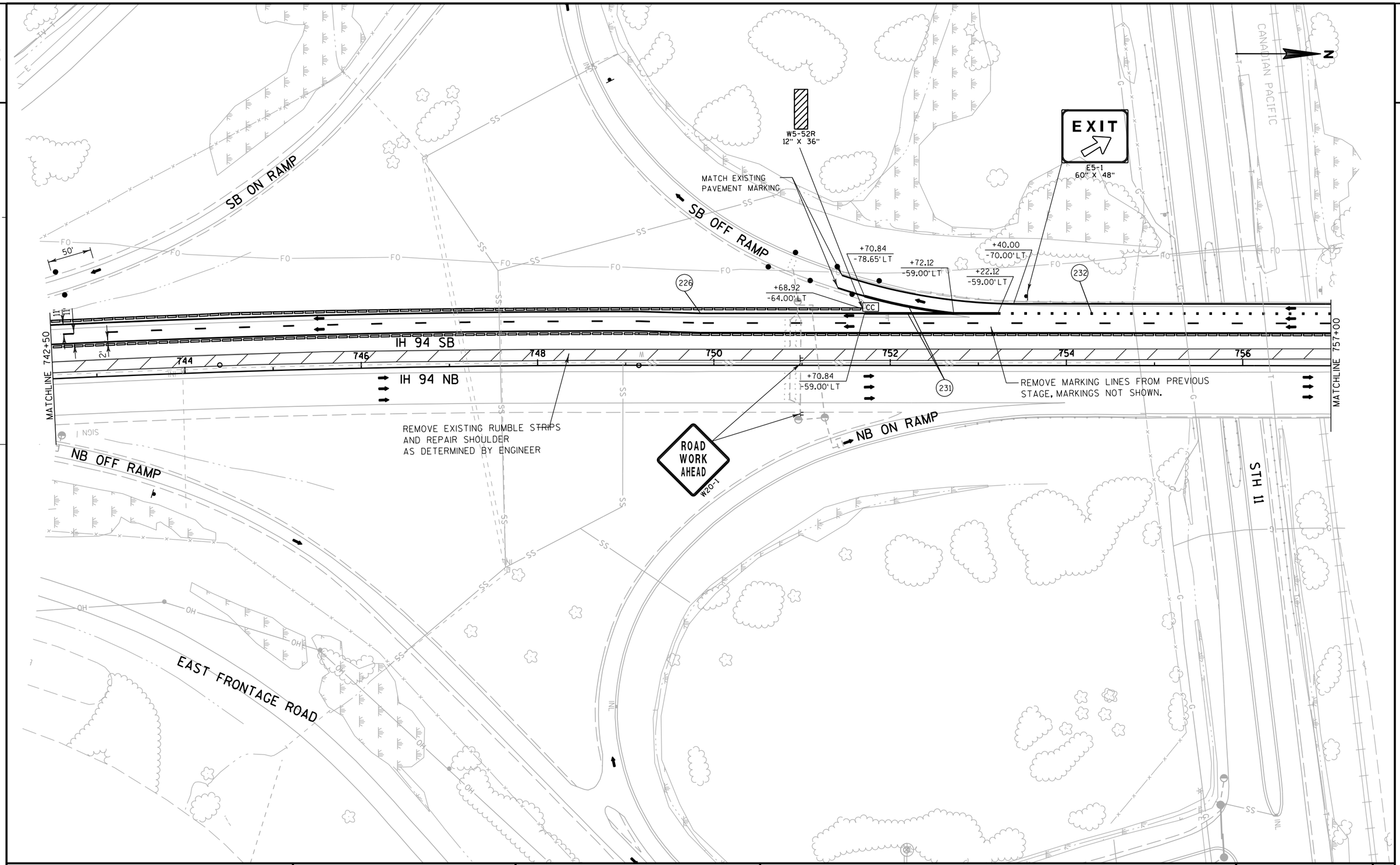
EAST FRONTAGE ROAD

NOTE:
REMOVE MARKING LINES FROM PREVIOUS STAGE, MARKINGS NOT SHOWN.

BERM

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	TRAFFIC CONTROL: MAINLINE - STAGE 1B	SHEET 140	E

2



PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	TRAFFIC CONTROL: MAINLINE - STAGE 1B	SHEET 141	E

FILE NAME : Z:\Racine\CADDS\WZ Prep_142-G\CDS\025074_TC1B.dgn PLOT DATE : 12/11/2017 PLOT BY : james.buggs PLOT NAME : PLOT SCALE : 1:30.48

2

N

58TH ROAD

WEST FRONTAGE ROAD

MATCH TO EXISTING BARRIER WALL
TEMPORARY THRIE BEAM CONNECTION

+00.00
-59.00' LT

+92.45
-64.00' LT

TBC

REMOVE MARKING LINES FROM
PREVIOUS STAGE, MARKINGS NOT SHOWN.

+50.00
-70.00' LT

+00.00
-59.00' LT

IH 94 SB

IH 94 NB

MATCHLINE 757+00

758 760 762 764 766 768 770

MATCHLINE 771+50

R/L IH 94

+00.00
-48.00' LT

36'

+00.00
-37.00' LT

REMOVE EXISTING RUMBLE STRIPS
AND REPAIR SHOULDER
AS DETERMINED BY ENGINEER

EAST FRONTAGE ROAD

LEFT
SHOULDER
CLOSED
AHEAD
W21-5B

ACCESS ROAD 'B'

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	TRAFFIC CONTROL: MAINLINE - STAGE 1B	SHEET 142	E

FILE NAME : Z:\Racine\CADDS\WZ Prep_142-G\CDS\025075_TC1B.dgn PLOT DATE : 12/11/2017 PLOT BY : james.buggs PLOT NAME : PLOT SCALE : 1:30.48

2

WEST FRONTAGE ROAD

W21-620
48" X 30"
WORK ZONE
SPEED LIMIT 70
FINES DOUBLE
R2-1
48" X 60"
W21-62R
48" X 30"

TRUCKS USE LEFT LANE
R4-5L
48" X 60"

+70.00
-61.00' LT
+70.00
-50.00' LT
+70.00
-39.00' LT

2'
11'
11'
2'
36'

MATCHLINE 771+50

772 774 776 778 780 782 784

MATCHLINE 786+00

IH 94 SB

IH 94 NB

R/L IH 94

+ØØ
50'
+ØØ
100'

REMOVE MARKING LINES
FROM PREVIOUS STAGE,
MARKINGS NOT SHOWN

REMOVE EXISTING RUMBLE STRIPS
AND REPAIR SHOULDER
AS DETERMINED BY ENGINEER

LEFT SHOULDER CLOSED
W21-5A

PRIVATE DRIVEWAY 'A'

W21-620
48" X 30"
WORK ZONE
SPEED LIMIT 70
R2-1
48" X 60"
FINES DOUBLE
W21-62R
48" X 30"

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	TRAFFIC CONTROL: MAINLINE - STAGE 1B	SHEET 143	E

2

56TH ROAD

LEETSBIR ROAD

N

REMOVE CONCRETE RUMBLE STRIPS

WEST FRONTAGE ROAD

CONCRETE BARRIER TEMPORARY
PRECAST DELIVERED SPECIAL
AND INSTALLED

MATCHLINE 786+00

IH 94 SB

IH 94 NB

786 788 790 792 794 796 798 800

100'

CC

+00.00
4.00' RT

TBC

+58.40
-4.29' LT

TRC

+22.90
-4.51' LT

+00.00
4.00' RT

R/L IH 94

MATCHLINE 801+00

2" 11" 2" 36'

CRASH CUSHION TEMPORARY

EAST FRONTAGE ROAD

W5-52L
12" X 36"

REMOVE SIGN STRUCTURE S-51-201
(SEE DETAIL "REMOVING SIGN BRIDGE NOTCH")

11	3/4
KR	2 1/4
E	4 1/4

REMOVING SIGNS TYPE I
(SOUTHBOUND)

20	1/2
K	4 1/4
G	6 1/2

REMOVING SIGNS TYPE I
(NORTHBOUND)

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	TRAFFIC CONTROL: MAINLINE - STAGE 1B	SHEET 144	E

2

N

WEST FRONTAGE ROAD

MATCHLINE 801+00

IH 94 SB

IH 94 NB

802 804 806 808 810 812 814

225 226 227

R/L IH 94

REMOVE CONCRETE RUMBLE STRIPS

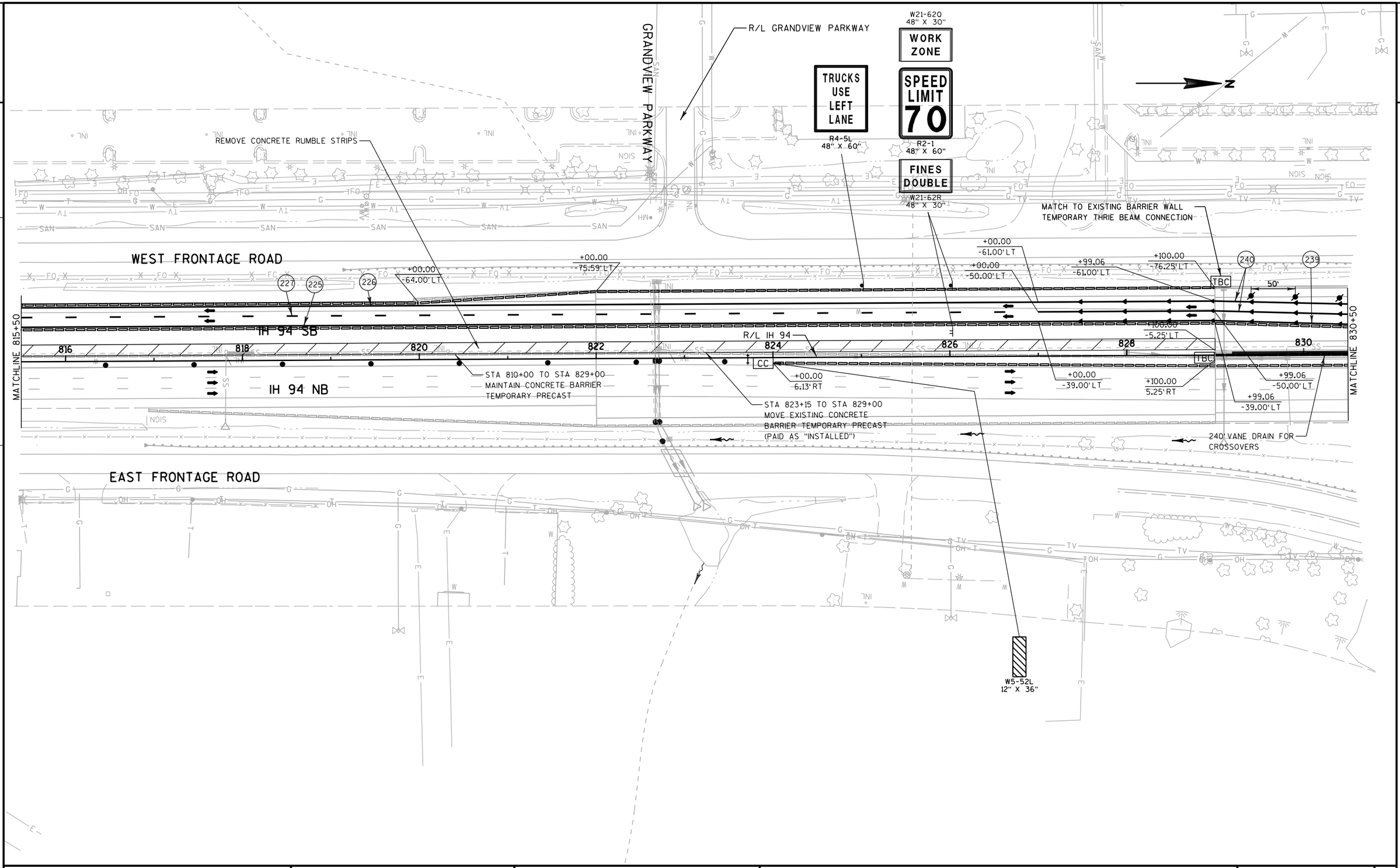
MATCHLINE 815+50

EAST FRONTAGE ROAD

google overhead AT

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	TRAFFIC CONTROL: MAINLINE - STAGE 1B	SHEET	E

FILE NAME : Z:\Racine\CADDS\WZ Prep_142-G\CDS\025078_TC1B.dgn PLOT DATE : 12/11/2017 PLOT BY : james.buggs PLOT NAME : PLOT SCALE : 1:30.48



PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	TRAFFIC CONTROL: MAINLINE - STAGE 1B	SHEET	E

FILE NAME : Z:\Racine\CADDS\WZ Prep_142-G\CDS\025079_TC1B.dgn PLOT DATE : 12/11/2017 PLOT BY : james.buggs PLOT NAME : PLOT SCALE : 1:30.48

STAY IN LANE
R4-9
48" X 60"

W8-5
48" X 48"

PCMS
LANES SHIFT AHEAD

W1-4B

60 M.P.H.
W013-1
36" X 36"

200'
200'
200'

N

WEST FRONTAGE ROAD

+50.00
-51.25' LT
50'
+50.00
-39.25' LT
240
+39.93
-51.25' LT
+39.89
-39.25' LT
50'
MB

IH 94 SB

MATCHLINE 830+50
832
834
836
838
840
842
TBC
844
MATCHLINE 845+50

+50.00
-5.25' LT
+50.00
5.25' RT

IH 94 NB

+50.00
-27.25' LT
239
+39.89
-27.25' LT

240' VANE DRAIN FOR CROSSOVERS.

240' VANE DRAIN FOR CROSSOVERS

STA 829+00 TO STA 843+50
CONSTRUCT MEDIAN CROSSOVER

240' VANE DRAIN FOR CROSSOVERS

EAST FRONTAGE ROAD

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	TRAFFIC CONTROL: MAINLINE - STAGE 1B	SHEET 147	E

2

WEST FRONTAGE ROAD

W04-1

IH 94 SB

IH 94 NB

MATCHLINE 845+50

MATCHLINE 860+50

846 848 850 852 854 856 858 860

100'

+50.00
23.91' LT

CC

+00.00
11.80' RT

CRASH CUSHION TEMPORARY

R11-2
48" X 30"
LANE CLOSED
TYPE III BARRICADE

W5-52L
12" X 36"

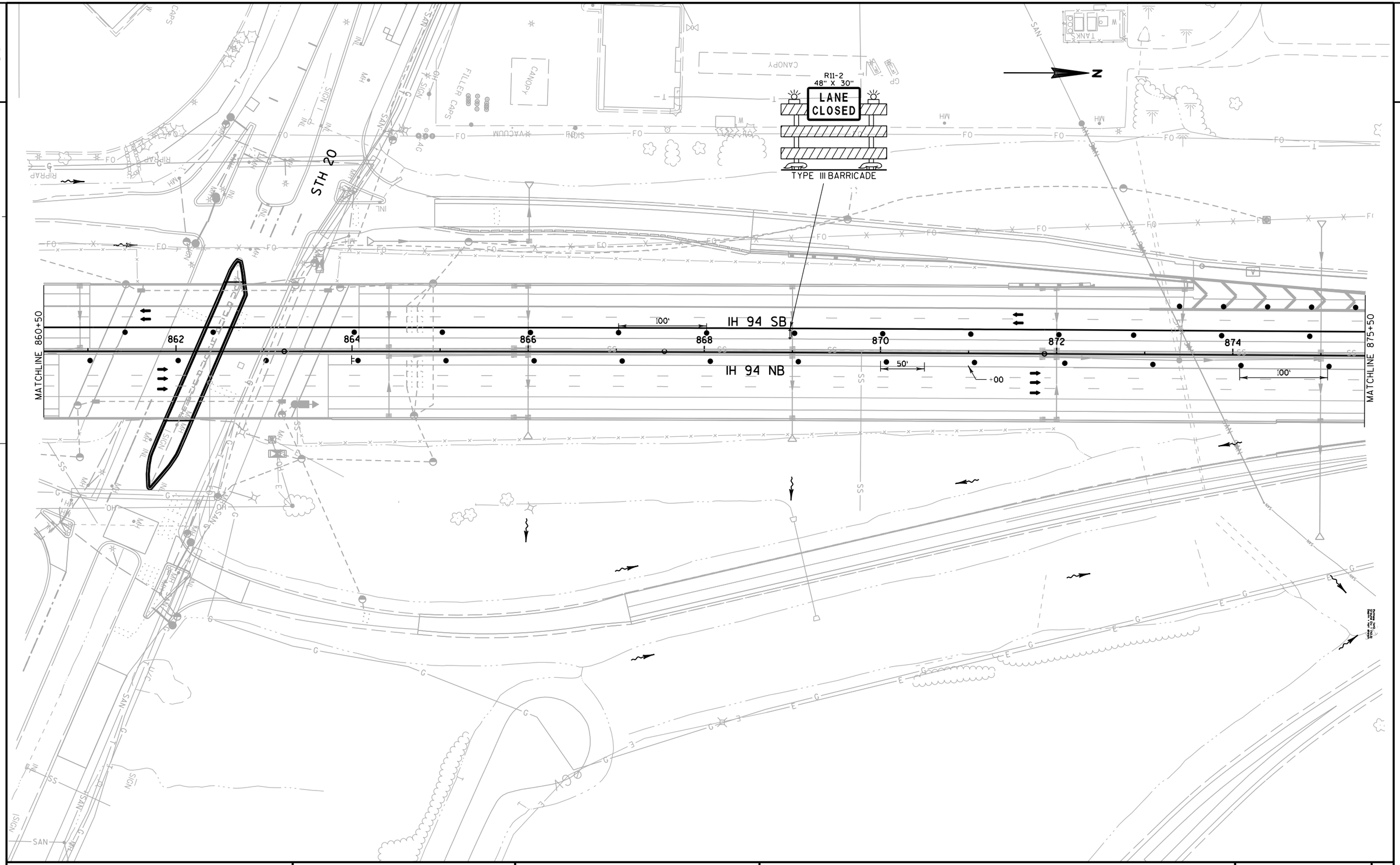
R11-2
48" X 30"
LANE CLOSED
TYPE III BARRICADE

N

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	TRAFFIC CONTROL: MAINLINE - STAGE 1B	SHEET 148	E

FILE NAME : Z:\Racine\CADDS\WZ Prep_142-G\CDS\025081_TC1B.dgn PLOT DATE : 12/11/2017 PLOT BY : james.buggs PLOT NAME : PLOT SCALE : 1:30.48

2



PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	TRAFFIC CONTROL: MAINLINE - STAGE 1B	SHEET 149	E

2

N

WEST FRONTAGE ROAD

CTH C

EXIT

E5-1
60" X 48"

MATCH EXISTING

240

242

239

+55.00
-39.25'LT

+55.00
-27.25'LT

+55.00
-51.25'LT

+62.56
-63.25'LT

+62.94
-75.25'LT

+49.49
-57.73'LT

25'

80' VANE DRAIN FOR
CROSSOVER

+100.00
-60.18'LT

50'

100'

IH 94 SB

IH 94 NB

MATCHLINE 875+50

MATCHLINE 890+00

876

878

880

882

884

886

888

+00.00
-5.25'LT

TBC

CC

+00.00
12.25'RT

+55.00
-27.25'LT

+00.00
5.25'RT

R/L IH 94

R11-2
48" X 30"

LANE
CLOSED

TYPE III BARRICADE

CRASH CUSHION TEMPORARY

W5-52L
12" X 36"

150' VANE ~~DRAIN~~
FOR CROSSOVER

STA 882+00 TO STA 888+00
CONSTRUCT MEDIAN CROSSOVER

LEFT LANE
CLOSED
1/2 MILE
W20-5

EAST FRONTAGE ROAD

W21-62O
48" X 30"

WORK
ZONE

SPEED
LIMIT
70

R2-1
48" X 60"

FINES
DOUBLE

W21-62R
48" X 30"

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	TRAFFIC CONTROL: MAINLINE - STAGE 1B	SHEET 150	E

STAY IN LANE
R4-9
48" X 60"

W8-5
48" X 48"

PCMS
LANES SHIFT AHEAD

W1-4B

60 M.P.H.
W013-1
36" X 36"

200' 200' 200'

N

EVANS LANE

WEST FRONTAGE ROAD

CONCRETE BARRIER TEMPORARY PRECAST

PAVEMENT MARKINGS TO REMAIN

MATCH TO EXISTING BARRIER WALL
TEMPORARY THRIE BEAM CONNECTION

REMOVE
CONCRETE SHOULDER
RUMBLE STRIPS

240 239

+00.23
-65.00'LT

+99.99
-54.40'LT

100' TYP.

+00.00
-74.00'LT

TBC

MB

+99.99
-43.40'LT

IH 94 SB

IH 94 NB

890 892 894 896 898 900 902 904 905+00

MATCHLINE 890+00

MATCHLINE 905+00

R/L IH 94

EAST FRONTAGE ROAD

EXISTING PAVEMENT MARKINGS

LEFT LANE CLOSED 1500 FT
W20-5

W21-62O
48" X 30"
WORK ZONE

SPEED LIMIT 70
R2-1
48" X 60"

FINES DOUBLE
W21-62R
48" X 30"

W04-2R

RIPRAP

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	TRAFFIC CONTROL: MAINLINE - STAGE 1B	SHEET 151	E

2

N

END
CONCRETE BARRIER TEMPORARY PRECAST
CONNECT TO EXISTING BARRIER

WEST FRONTAGE ROAD

CONCRETE BARRIER
TEMPORARY PRECAST

REMOVE CONCRETE
RUMBLE STRIPS

+50.00
74'LT

PAVEMENT MARKINGS
TO REMAIN

TBC

IH 94 SB

MATCHLINE 905+00

906 908 910 912 914 916 918 92

130B

+00

R/L IH 94

50'

50'

IH 94 NB

MATCHLINE 920+00

DYNAMIC LATE MERGE SYSTEM
WITH ADVANCED SIGNING REQUIRED
SEE TRAFFIC CONTROL DETAIL

240

W1-4B
48" X 48"

60
M.P.H.

W013-1
36" X 36"

EAST FRONTAGE ROAD

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	TRAFFIC CONTROL: MAINLINE - STAGE 1B	SHEET 152	E

FILE NAME : Z:\Racine\CADDS\WZ Prep_142-G\CDS\025085_TC1B.dgn PLOT DATE : 12/11/2017 PLOT BY : james.buggs PLOT NAME : PLOT SCALE : 1:30.48

2

KRAUT RD

W5-52L
12" X 36"

EXISTING CONCRETE BARRIER

WEST FRONTAGE ROAD

REMOVE CONCRETE
RUMBLE STRIPS

PAVEMENT MARKINGS
TO REMAIN

BEGIN CONCRETE BARRIER TEMPORARY PI
CONNECT TO EXISTING BARRIER
STA 935+77
INSTALL STORM SEWER. SEE STORM SEWER
PLANS AND MISCELLANEOUS QUANTITIES.

TBC

IH 94 SB

11'
11'

MATCHLINE 920+00

922 924 926 928 930 932 934

+10.00
6.95'RT

148B

CONNECT TO EXISTING
USING CONCRETE COLLAR

158 158

158S

MATCHLINE 935+00

+42.00
19.00'RT
+42.00
31.00'RT
+42.00
43.00'RT

R/L IH 94

IH 94 NB

+25.00
19.00'RT
+25.00
31.00'RT
+25.00
42.85'RT

12'
12'

+24.98
19.01' RT

+25.01
31.01' RT
+25.04
42.85' RT

200' TANGENT

420' LANES SHIFT / LANES NARROW

+44.98
31.00' RT

+44.98
42.00' RT

+44.98
31.00' RT

11'
11'

239 240

TBC

+44.98
42.00' RT

+44.98
53.00' RT

+44.98
52.99' RT

200'

LANES
NARROW

W05-1(MOD)
48" X 48"

W8-5
48" X 48"

EAST FRONTAGE ROAD

MATCH TO EXISTING BARRIER WALL
TEMPORARY THRIE BEAM CONNECTION

KRAUT ROAD

STAY
IN
LANE

R4-9
48" X 60"

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	TRAFFIC CONTROL: MAINLINE - STAGE 1B	SHEET 153	E

FILE NAME : Z:\Racine\CADDS\WZ Prep_142-G\CDS\025086_TC1B.dgn PLOT DATE : 12/11/2017 PLOT BY : james.buggs PLOT NAME : PLOT SCALE : 1:30.48

WISDOT/CADDS SHEET 42

2

N

WEST FRONTAGE ROAD

IH 94 SB

IH 94 NB

EAST FRONTAGE ROAD

MATCHLINE 935+00

MATCHLINE 950+00

SEAL PIPE
STAGE 1B

REMOVE CONCRETE SHOULDER
RUMBLE STRIPS

PAVEMENT MARKINGS
TO REMAIN

CONCRETE BARRIER
TEMPORARY PRECAST

CONNECT TO EXISTING IN STAGE 1B
USING CONCRETE COLLARS

STUB PIPE TO WEST AND
SEAL IN STAGE 1B

R/L IH 94

MARKING LINE REMOVAL

CONCRETE BARRIER TEMPORARY
PRECAST DELIVERED SPECIAL
AND INSTALLED

INSTALL STORM SEWER. SEE STORM SEWER
PLANS AND MISCELLANEOUS QUANTITIES.

TRUCKS
USE
LEFT
LANE

R4-5L
48" X 60"

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	TRAFFIC CONTROL: MAINLINE - STAGE 1B	SHEET 154	E

2

N

TRUCKS USE LEFT LANE
R4-5L
48" X 60"

WEST FRONTAGE ROAD

INSTALL STORM SEWER. SEE STORM SEWER PLANS AND MISCELLANEOUS QUANTITIES.

PAINT WET REFLECTIVE TAPE

200' TANGENT

LANE SHIFT

200' TANGENT

+05.00 BEGIN CONCRETE BARRIER TEMPORARY PRECAST DELIVERED SPECIAL AND INSTALLED

+85.00
-14.30'LT

+05.00
23.70'RT

+50.00
23.90'RT

+50.00
11.90'RT

+1.30'LT

CONNECT TO EXISTING IN STAGE 1B

USING CONCRETE COLLARS

IH 94 SB

IH 94 NB

MATCHLINE 950+00

MATCHLINE 965+00

952 954 956 958 960 962 964

+00.00
-34.91'LT

+00.20
-45.91'LT

+00.24
-56.91'LT

+00.00
-45.06'LT

+00.00
-56.06'LT

+00.00
-34.06'LT

+00.00
-44.88'LT

+00.00
-32.94'LT

+00.00
-20.94'LT

REMOVE STORM SEWER 6-INCH

REMOVE INLET

REMOVE STORM SEWER 18-INCH

STA 953+20
BEGIN MEDIAN RECONSTRUCTION
REMOVE CONCRETE BARRIER

EAST FRONTAGE ROAD

STA 954+50 TO STA 972+50
CONSTRUCT MEDIAN CROSSOVER

STA 951+05 TO STA 954+50
CONSTRUCT PAVEMENT PER "REMOVING SIGN STRUCTURE NOTCH AND MEDIAN OPENING" DETAIL

COUNTY K	1¼
COUNTY G	3½
SEVEN MILE RD	5

REMOVE SIGN TYPE I (NORTHBOUND)

20	1¼
11	3¾
KR	5¼

REMOVE SIGN TYPE I (SOUTHBOUND)

REMOVE SIGN STRUCTURE S-51-202.
SEE DETAIL" REMOVING SIGN STRUCTURE NOTCH AND MEDIAN OPENING."

2

N

STAY IN LANE
R4-9
48" X 60"

200'

W8-5
48" X 48"

200'

PCMS
LANES SHIFT AHEAD

200'

W01-4B

60
M.P.H.
W013-1
36" X 36"

2 MILE ROAD

W5-52L
12" X 36"

EAST 94 MILE 331 2 MOVE

WEST FRONTAGE ROAD

200'
TANGENT

200'

+00.00
-32.11' LT

+00.00
-44.44' LT

+36.57
-47.13' LT

+98.33
-54.71' LT

CC

CRASH CUSHION TEMPORARY

IH 94 SB

+00.00
-20.11' LT

MB

12'

12'

STA 972+50
END REMOVE CONCRETE BARRIER
END MEDIAN RECONSTRUCTION
END CONCRETE BARRIER TEMPORARY
PRECAST DELIVERED SPECIAL
AND INSTALLED

+50.00
-6.62' LT

+00.01
-15.83' LT

CRASH CUSHION TEMPORARY

CC

100'

MATCHLINE 965+00

MATCHLINE 980+00

966

968

970

972

974

976

978

980

15:1

TBC

34V

35V

315

315S

R/L IH 94

IH 94 NB

+50.00
19.38' RT

11'

11'

REMOVE STORM SEWER 15-INCH

CONCRETE BARRIER TEMPORARY
PRECAST DELIVERED SPECIAL
AND INSTALLED

EAST FRONTAGE ROAD

W5-52R
12" X 36"

WEST 94 MILE 331 2 MOVE

R11-2
48" X 30"
LANE CLOSED

TYPE III BARRICADE

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	TRAFFIC CONTROL: MAINLINE - STAGE 1B	SHEET 156	E

2

R11-2
48" X 30"
LANE CLOSED
TYPE III BARRICADE

N

WEST FRONTAGE ROAD

IH 94 SB

IH 94 NB

EAST FRONTAGE ROAD

MATCHLINE 980+00

MATCHLINE 995+00

980 982 984 986 988 990 992 994

100'

12'

12'

8'

REMOVE RUMBLE STRIP

11'

11'

TBC

RIPRAP

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	TRAFFIC CONTROL: MAINLINE - STAGE 1B	SHEET 157	E

2

N

R11-2
48" X 30"
LANE CLOSED
TYPE III BARRICADE

WEST FRONTAGE ROAD

GOLF RD

MATCHLINE 995+00

MATCHLINE 1010+00

996 998 1000 1002 1004 1006 1008 10

100'

12'

12'

IH 94 SB

IH 94 NB

REMOVE RUMBLE STRIP

REMOVE RUMBLE STRIP

TBC

MATCH TO EXISTING BARRIER WALL
TEMPORARY THRIE BEAM CONNECTION

+64.00
75.50' RT

+64.21
66.45' RT

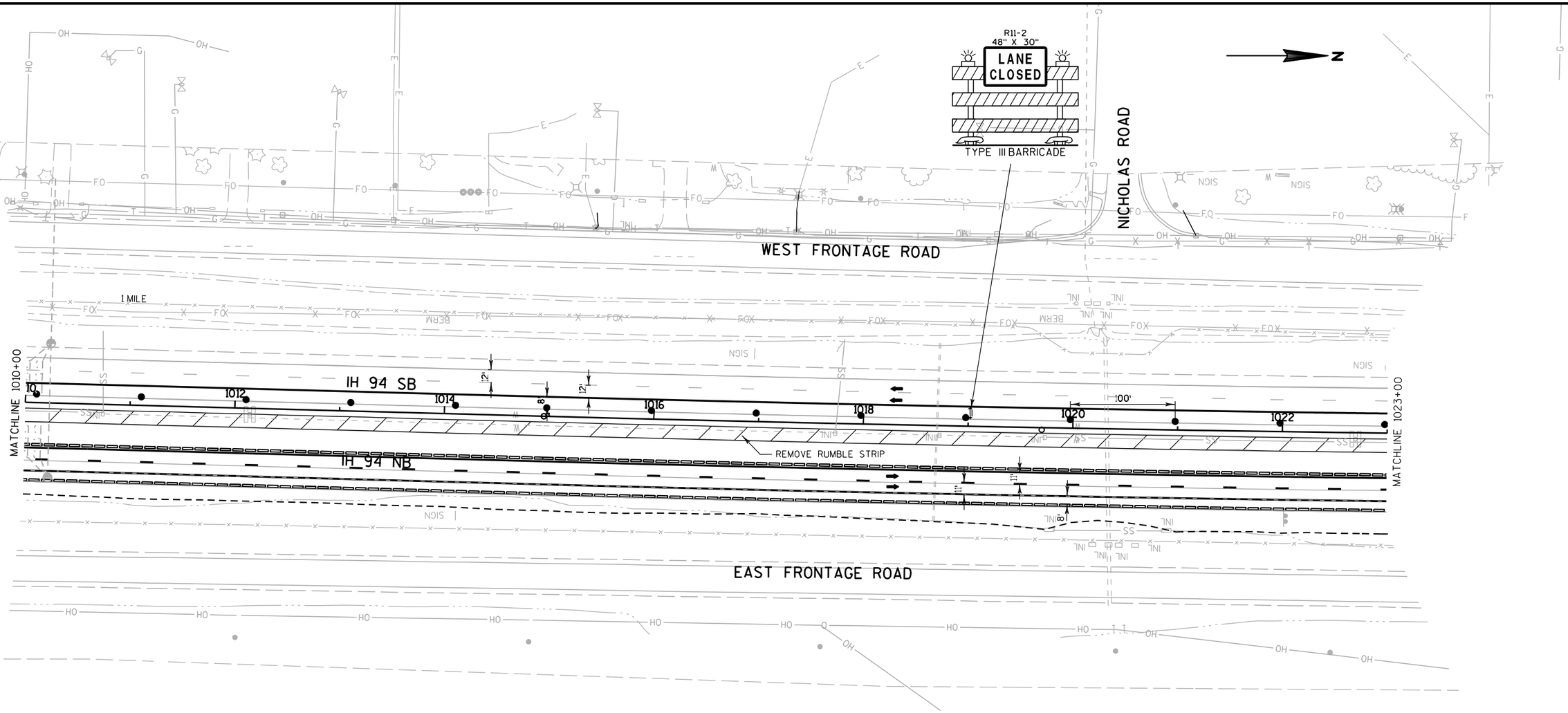
+49.21
73.86' RT

EAST FRONTAGE ROAD

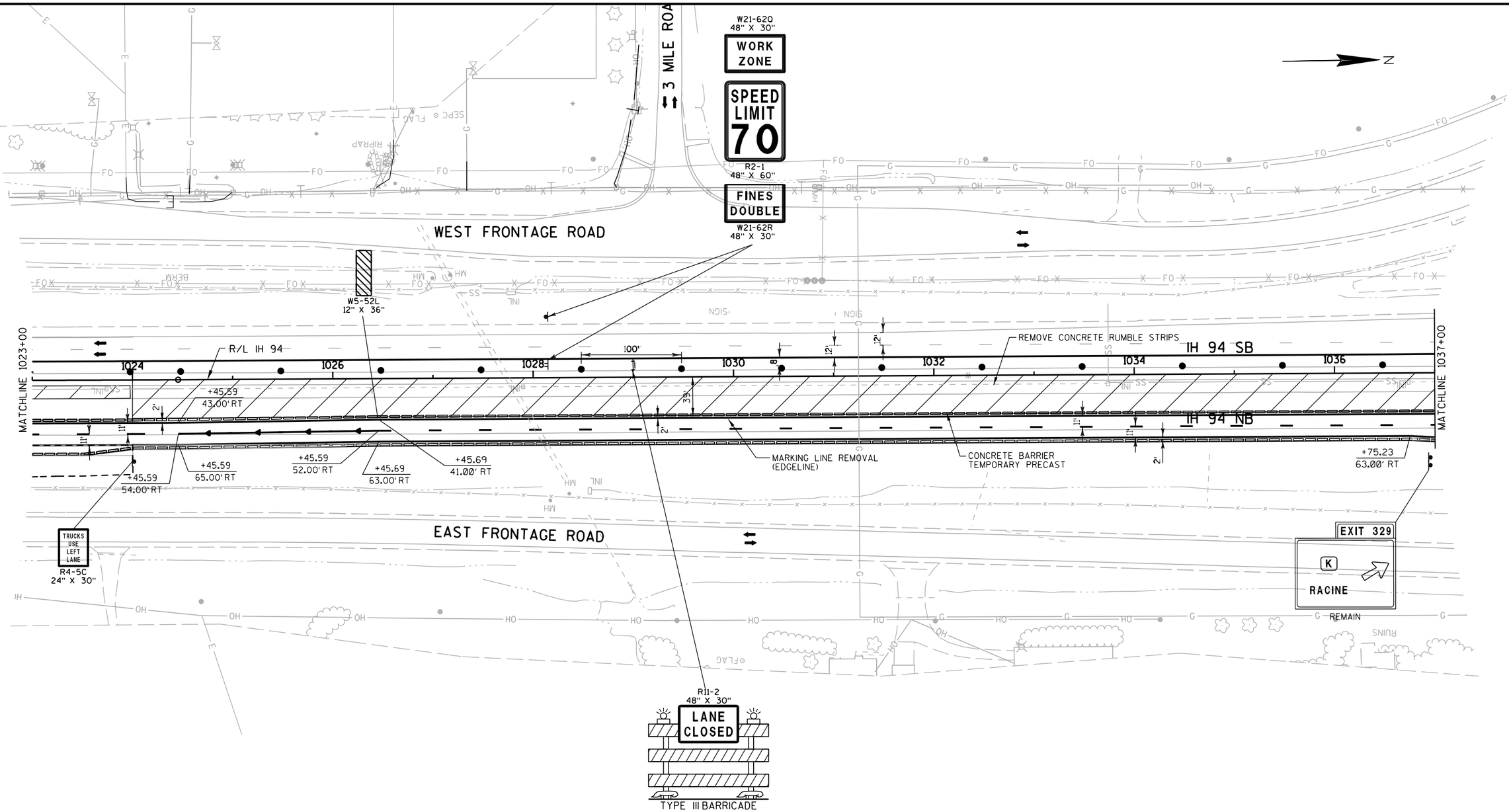
R11-2
48" X 30"
LANE CLOSED
TYPE III BARRICADE

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	TRAFFIC CONTROL: MAINLINE - STAGE 1B	SHEET 158	E

2



PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	TRAFFIC CONTROL: MAINLINE - STAGE 1B	SHEET 159	E



PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	TRAFFIC CONTROL: MAINLINE - STAGE 1B	SHEET 160	E

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WISDOT/CADDS SHEET 42

2

N

WEST FRONTAGE ROAD

R11-2
48" X 30"
LANE CLOSED
TYPE III BARRICADE

R11-2
48" X 30"
LANE CLOSED
TYPE III BARRICADE

RAMP SW

IH 94 SB

IH 94 NB

RAMP SE

MATCHLINE 1037+00

MATCHLINE 1051+00

1038 1040 1042 1044 1046 1048 1050

R/L IH 94

100'

MARKING LINE REMOVAL (DASHED EDGE LINE)

MARKING LINE REMOVAL (DIAGONALS)

MARKING LINE REMOVAL (EDGELINE)

REMOVE CONCRETE RUMBLE STRIPS

MARKING LINE REMOVAL (EDGE LINE)

MARKING LINE REMOVAL (CHANNELIZING)

MATCH EXISTING

+75.17
63.00' RT

+75.17
74.00' RT

+49.36
74.00' RT

+00

+70

+67

+67

232

231

2'

39'

15'

11'

11'

2'

EXIT
E5-1
60" X 48"

RIGHT SHOULDER CLOSED
W21-5A

EAST FRONTAGE ROAD

MICHEL COURT

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	TRAFFIC CONTROL: MAINLINE - STAGE 1B	SHEET 161	E

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2

R11-2
48" X 30"
LANE CLOSED
TYPE III BARRICADE

N

CTH K

RAMP SW

RAMP NW

RAMP SE

RAMP NE

MARKING LINE REMOVAL (EDGELINE)

REMOVE CONCRETE RUMBLE STRIPS

R/L IH 94

TEMPORARY INLET

IH 94 SB

IH 94 NB

MATCHLINE 1051+00

MATCHLINE 1065+00

1052 1054 1056 1058 1060 1062 1064

12' 12' 8' 11' 11' 2' 39'

CONCRETE BARRIER TEMPORARY PRECAST

ROAD WORK AHEAD W20-1A

W04-1

ROAD WORK 500 FT W20-1D

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	TRAFFIC CONTROL: MAINLINE - STAGE 1B	SHEET 162	E

2

R11-2
48" X 30"
LANE CLOSED
TYPE III BARRICADE

N

RAMP NW

WEST FRONTAGE ROAD

TEMPORARY INLET

CONCRETE BARRIER TEMPORARY PRECAST

IH 94 SB

R/L IH 94

IH 94 NB

MARKING LINE REMOVAL (EDGE LINE)

REMOVE CONCRETE RUMBLE STRIPS

244 ARROWS TYPE 5

MARKING LINE REMOVAL (CHANNELIZING)

MATCHLINE 1065+00

MATCHLINE 1079+00

1066 1068 1070 1072 1074 1076 1078

100'

+50 +00 +14

24' 43' 39' 2' 11' 11' 4'

RAMP NE

15'

50' TYP

+45 MATCH EXISTING

226 231 242 240 226 232 225 227

CRASH CUSHION TEMPORARY LEFT IN PLACE

CC +57

MARKING LINE REMOVAL (CHANNELIZING)

W04-5

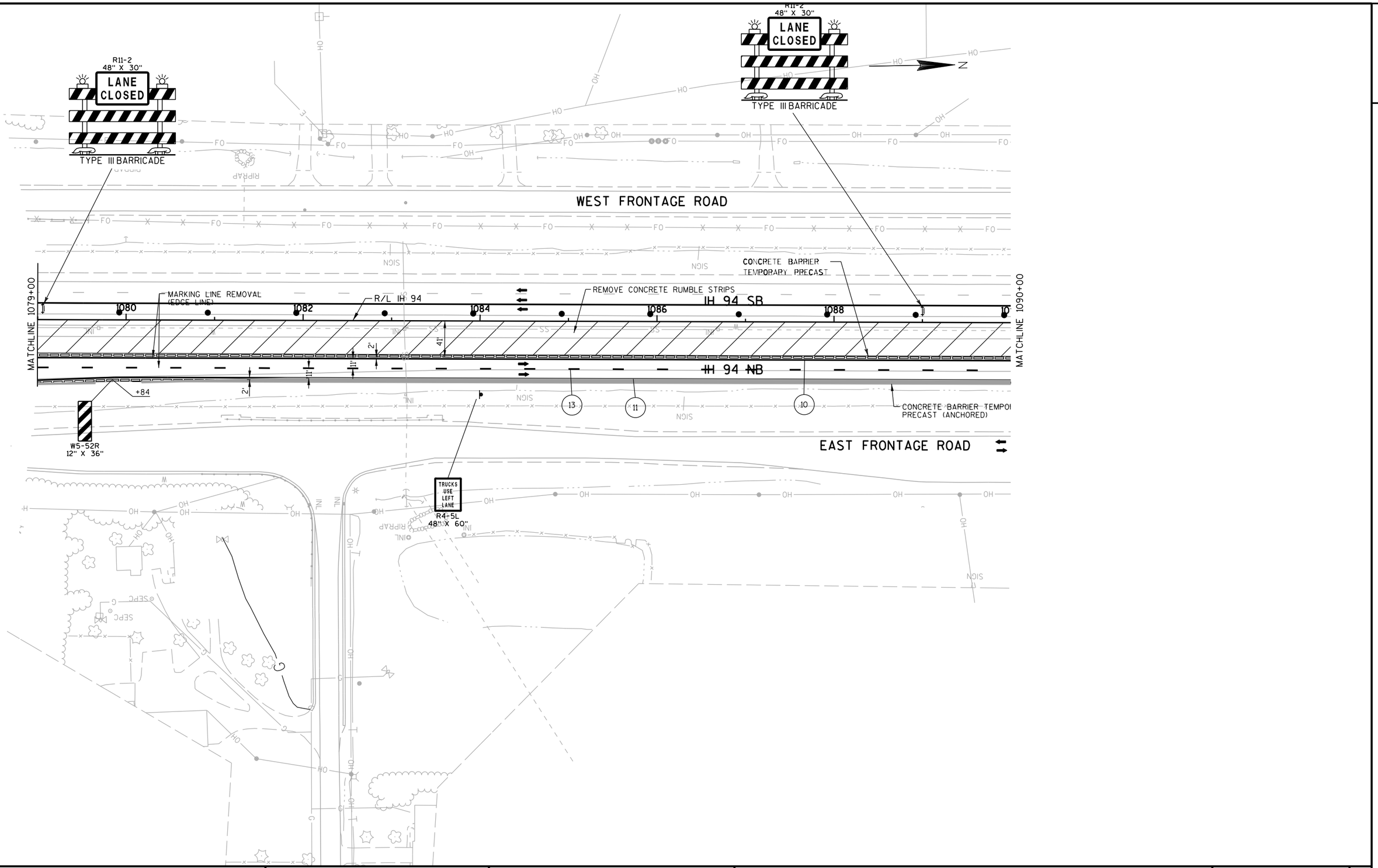
EAST FRONTAGE ROAD

W5-52R
12" X 36"

RIPRAP SIGN INL MH OH FO SS

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	TRAFFIC CONTROL: MAINLINE - STAGE 1B	SHEET	E

FILE NAME : Z:\Racine\CADDS\WZ Prep_142-G\CDS\025096_TC1B.dgn PLOT DATE : 12/11/2017 PLOT BY : james.buggs PLOT NAME : PLOT SCALE : 1:30.48



PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	TRAFFIC CONTROL: MAINLINE - STAGE 1B	SHEET 164	E

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2

N

WEST FRONTAGE ROAD

MATCHLINE 1090+00

MATCHLINE 1104+00

IH 94 SB

IH 94 NB

R/L IH 94

REMOVE CONCRETE RUMBLE STRIPS

EAST FRONTAGE ROAD

REMOVE CONCRETE RUMBLE STRIPS

W21-62Q
48" X 30"
WORK ZONE

SPEED LIMIT 70
R2-1
48" X 60"

FINES DOUBLE
W21-62R
48" X 30"

R11-2
48" X 30"
LANE CLOSED

TYPE III BARRICADE

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	TRAFFIC CONTROL: MAINLINE - STAGE 1B	SHEET 165	E

2

REMOVING SIGNS TYPE I
(NORTHBOUND)

REMOVING SIGNS TYPE I
(SOUTHBOUND)

COUNTY G
SEVEN MILE RD 1/2
241 27th St 2
3

COUNTY K
1/2
20 4 1/4
11 3

N

WEST FRONTAGE ROAD

RAMP WSW

W5-52R
12" X 36"

WEIGH STATION

IH 94 SB

IH 94 NB

MATCHLINE 1104+00

+00.00
-15.50' LT

+32.38
5.78' RT

+96.88
5.74' RT

+00.00
-15.50' LT

CRASH CUSHION, TEMPORARY

REMOVE CONCRETE
RUMBLE STRIPS

MATCHLINE 1119+00

1106
1108
1110
1112
1114
1116
1118

TBC
TBC
CC

MARKING LINE REMOVAL
(EDGE LINE)

+80.00
43.00' RT

CONCRETE BARRIER TEMPORARY PRECAST
DELIVERED SPECIAL AND INSTALLED

EAST FRONTAGE ROAD

BELL ROAD

WEST 94 MILE 328 6 MOVE

EAST 94 MILE 328 6 ESTR

WEST 94 MILE 328 4 MOVE

EAST 94 MILE 328 4 ESTR

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	TRAFFIC CONTROL: MAINLINE - STAGE 1B	SHEET 166	E

2

N

R11-2
48" X 30"
LANE CLOSED
TYPE III BARRICADE

STA 1125+88 TO STA 1130+00
MAINTAIN CONCRETE BARRIER
TEMPORARY PRECAST
MOVE TO OUTSIDE EDGE OF TEMPORARY
WIDENING FOR STAGE 1B

STA 1132+35 TO STA 1138+00
MAINTAIN CONCRETE BARRIER
TEMPORARY PRECAST
(DOUBLE ROW)

WEST FRONTAGE ROAD

RAMP WNW

RAMP WNW

EAST (94) MILE 328 2 ESTR

WEST (94) MILE 328 2 MOVE

MATCHLINE 1119+00

MATCHLINE 1134+00

R/L IH 94

1120 1122 1124 1126 1128 1130 1132

100'

24'

IH 94 SB

IH 94 NB

R/L IH 94

+75.00
47.00' RT

+75.00
58.00' RT

+75.00
69.00' RT

MB

REMOVING PAVEMENT MARKING (EDGE LINES AND LANE LINE)

EAST FRONTAGE ROAD

PAINT WET REFLECTIVE TA.

STAY IN LANE
R4-9
48" X 60"

W01-4B

60 M.P.H.
W013-1
36" X 36"

PCMS
LANES SHIFT AHEAD

W8-5
48" X 48"

R11-2
48" X 30"
LANE CLOSED
TYPE III BARRICADE

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	TRAFFIC CONTROL: MAINLINE - STAGE 1B	SHEET 167	E

FILE NAME : Z:\Racine\CADDS\WZ Prep_142-G\CDS\025100_TC1B.dgn PLOT DATE : 12/11/2017 PLOT BY : james.buggs PLOT NAME : PLOT SCALE : 1:30.48

2

N

5 MILE ROAD

W21-620
48" X 30"
WORK ZONE

SPEED LIMIT 70

R2-1
48" X 60"
FINES DOUBLE

W21-62R
48" X 30"

WEST 94 MILE 327 8 MOVE
EAST 94 MILE 327 8 ESTR

TO NB OUTSIDE
STA 1148+70 RT

WEST 94 MILE 327 6 MOVE
EAST 94 MILE 327 6 ESTR

TO NB OUTSIDE
STA 1158+95 RT

W5-52L
12" X 36"

WEST FRONTAGE ROAD

200' VANE DRAIN FOR
RAMP CROSSOVERS

STA 1137+00 TO STA 1143+10
CONSTRUCT MEDIAN CROSSOVER

240' VANE DRAIN FOR
RAMP CROSSOVERS

CRASH
CUSHION
TEMPORARY

MATCHLINE 1134+00

+99.79
-18.87' LT

IH 94 SB

+00.00
-5.25' LT

1136

TBC

1138

1140

1142

+10.00
-5.25' LT

TBC

1144

+00.00
-19.50' LT

1146

CC

IH 94 NB

240

+00.00
5.25' RT

239

11'

11'

+00.00
56.25' RT

227

225

+51.37
67.25' RT

+10.00
5.25' RT

+00.00
42.25' RT

50'

226

+56.11
79.25' RT

232

+04.31
79.25' RT

RIPRAP

RIPRAP

WEST 94 MILE 328 0 MOVE
EAST 94 MILE 328 0 ESTR

EAST FRONTAGE ROAD

MATCHLINE 1134+00

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	TRAFFIC CONTROL: MAINLINE - STAGE 1B	SHEET	E

FILE NAME : Z:\Racine\CADDS\WZ Prep_142-G\CDS\025101_TC1B.dgn PLOT DATE : 12/11/2017 PLOT BY : james.buggs PLOT NAME : PLOT SCALE : 1:30.48

2

R11-2
48" X 30"
LANE CLOSED
TYPE III BARRICADE

WEST FRONTAGE ROAD

R11-2
48" X 30"
LANE CLOSED
TYPE III BARRICADE

MATCHLINE 1134+00

1148 1150 1152 1154 1156 1158

2%

2%

100'

+55.94
67.25' RT

+46.68
67.25' RT

+46.68
90.51' RT

MATCH EXISTING

+45.53
104.96' RT

50'

232

231

R11-2
48" X 30"
LANE CLOSED
TYPE III BARRICADE

EAST FRONTAGE ROAD

MATCHLINE 1134+00

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	TRAFFIC CONTROL: MAINLINE - STAGE 1B	SHEET 169 E

FILE NAME : Z:\Racine\CADDS\WZ Prep_142-G\CDS\025102_TC1B.dgn PLOT DATE : 12/11/2017 PLOT BY : james.buggs PLOT NAME : PLOT SCALE : 1:30.48

END ROAD WORK
G20-2A
48" X 24"

WEST 94 MILE 327 4 MOVE

EAST 94 MILE 327 4 MOVE

STA 1168+00 TO STA 1188+00
CONSTRUCT MEDIAN CROSSOVER

EXIT RAMP

+00.00
-19.61' LT

180' VANE DRAIN FOR CROSSOVERS

240' VANE DRAIN FOR CROSSOVER

IH 94 SB

+00.00
5.25' LT

MATCHLINE 1134+00

1162 1164 1166 1168 1170 1172 1174

MATCHLINE 1174+50

12'

12'

100'

CRASH CUSHION TEMPORARY

CC

IH 94 NB

+00.00
42.25' RT

+00.00
5.25' RT

TBC

W5-52L
12" X 36"

227 225 226

50'

+39.72
88.91' RT

+41.58
103.79' RT

MATCH EXISTING

ENTRANCE RAMP

EXIT RAMP

CTH G

R11-2
48" X 30"

LANE CLOSED

TYPE III BARRICADE

W04-1

W04-1

N

2

N

WEST 94 MILE 327 2 MOVE

EAST 94 MILE 327 2 MOVE

WEST FRONTAGE ROAD

240' VANE DRAIN FOR CROSSOVERS

240' VANE DRAIN FOR CROSSOVER

240' VANE DRAIN FOR CROSSOVERS

240' VANE DRAIN FOR CROSSOVERS

MATCHLINE 1174+50

IH 94 SB

IH 94 NB

1176 1178 1180 1182 1184 1186 1188

TBC

R/L IH 94

+00.00 67.25' RT

+00.00 -27.25' LT

+00.00 -5.25' LT

+00.00 5.25' RT

+00.00 45.25' RT

+00.00 56.25' RT

+00.00 45.25' RT

+00.00 67.25' RT

+00.00 56.25' RT

+00.00 67.25' RT

+75.00 67.25' RT

225 232

+15.00 67.25' RT

ENTRANCE RAMP

+00.42 73.19' RT

227 231 226

+15.23 67.25' RT

+15.42 82.25' RT

MB +15.00 79.25' RT

244 ARROWS TYPE 5

EAST FRONTAGE ROAD

REMOVE CONCRETE RUMBLE STRIPS

MATCHLINE 1189+50

W01-4B

60 M.P.H.

W013-1 36" X 36"

LANES SHIFT AHEAD PCMS

W8-5 48" X 48"

STAY IN LANE R4-9 48" X 60"

FIELD TILE

FIELD TILE

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	TRAFFIC CONTROL: MAINLINE - STAGE 1B	SHEET 171	E

2

N

WEST FRONTAGE ROAD

EAST FRONTAGE ROAD

IH 94 SB

IH 94 NB

MATCHLINE 1189+50

MATCHLINE 1204+00

R/L IH 94

CONCRETE BARRIER TEMPORARY PRECAST

REMOVE CONCRETE RUMBLE STRIPS

MATCH EXISTING

1190 1192 1194 1196 1198 1200 1202

+30.00 26.14' RT

+25.00 23.14' RT

+30.00 26.14' RT

+30.00 49.91' RT

+30.00 38.14' RT

+30.00 38.14' RT

+30.00 49.73' RT

225 226 227

EAST 94 MILE 327 0 ESTR

WEST 94 MILE 327 0 ESTR

EAST 94 MILE 326 8 ESTR

WEST 94 MILE 326 8 ESTR

W21-62Q
48" X 30"
WORK ZONE

SPEED LIMIT 70
R2-1
48" X 60"

FINES DOUBLE
W21-62R
48" X 30"

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	TRAFFIC CONTROL: MAINLINE - STAGE 1B	SHEET 172	E

2

N

ESTR

Seven Mile Rd 1/4

241 27th St 1 1/4

Ryan Rd 3 1/2

ESTR

COUNTY G 1/2

COUNTY K 2 1/2

20 6

W5-52L
12" X 36"

WEST 94 MILE 326 6 ESTR

EAST 94 MILE 326 6 ESTR

6 1/2 MILE ROAD

WEST FRONTAGE ROAD

MATCHLINE 1204+00

1204

1206

1208

1210

+00.10
-17.04' LT

CRASH CUSHION
TEMPORARY

CC

1212

+96.71
23.14' RT

R/L IH 94

1214

100'

IH 94 SB

1216

1218

+00.00
-25.00' LT

MATCHLINE 1219+00

100'

IH 94 NB

50'

+00.00
12.80' RT

+00.00
26.14' RT

EAST FRONTAGE ROAD

6 1/2 MILE ROAD

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	TRAFFIC CONTROL: MAINLINE - STAGE 1B	SHEET 173	E

FILE NAME : Z:\Racine\CADDS\WZ Prep_142-G\CDS\025106_TC1B.dgn PLOT DATE : 12/11/2017 PLOT BY : james.buggs PLOT NAME : PLOT SCALE : 1:30.48

2

N

WEST 94 MILE 326 4 ESTR

EAST 94 MILE 326 4 ESTR

MATCHLINE 1219+00

50'

1220

1222

1224

1226

+39.99
-12.41' LT

1228

50'

1230

1232

1000'

MATCHLINE 1234+00

IH 94 SB

IH 94 NB

WEST 94 MILE 326 2 ESTR

EAST 94 MILE 326 2 ESTR

END ROAD WORK
G20-2A
48" X 24"

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	TRAFFIC CONTROL: MAINLINE - STAGE 1B	SHEET 174	E

2

W21-62O
48" X 30"
WORK ZONE

SPEED LIMIT 70
R2-1
48" X 60"

FINES DOUBLE
W21-62R
48" X 30"

FINES DOUBLE IN WORK ZONES
Give 'em a BRAKE SLOW DOWN
W21-62
96" X 48"

$200 MINIMUM
W21-62P
96" X 12"

W04-2R

LEFT LANE CLOSED 1500 FT
W20-5

LEFT LANE CLOSED 1/2 MILE
W20-5

ROAD WORK 1 MILE
W20-1F

ROAD WORK 2 MILES
W20-1F (MOD)

1000' 575' 500' 525' 2600' 4500' 500'

MATCHLINE 1234+00

1234 1236 1238 1240 1242 1244 1246 1248

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	TRAFFIC CONTROL: MAINLINE - STAGE 1B	SHEET	E

FILE NAME : Z:\Racine\CADDS\WZ Prep_142-G\CDS\025108_TC1B.dgn PLOT DATE : 12/11/2017 PLOT BY : james.buggs PLOT NAME : PLOT SCALE : 1:30.48

2

N

T 1 N R 21 E
24 24
24 24

X=146538.27
Y=591587.68

S89°04'19"E
2667.98

4475 4480 4485 4490 4495

R/L WEST FRONTAGE ROAD
PREVIOUSLY CONSTRUCTED
UNDER PROJECT I.D.
1030-23-78

T 1 N R 21 E
24 13
24 24

X=149173.01
Y=591672.18

S89°00'27"E
2609.36

2500 2505

SECTION LINE= R/L WEST FRONTAGE ROAD 2631.75 N00°18'29"

R/L IH 94

PC RL1 495

PI RL1 500

PT RL1 505

NO1°01'25"W
3658.19

NO0°06'11"W
3693.90

T 2 N R 22 E
24 19
24 19

X=146495.06
Y=594255.31

T 2 N R 22 E
24 13
19 18

X=149126.77
Y=594241.15

4475 4480 4485 4490 4495

5480 5485 5490 5495

5500 5505

S89°53'06"E
2160.85

R/L EAST FRONTAGE ROAD
PREVIOUSLY CONSTRUCTED
UNDER PROJECT I.D.
1030-23-77

N89°10'12"E
2025.64

T 2 N R 21 E
19 19
19 19

X=146490.74
Y=596416.16

T 2 N R 22 E
19 18
19 18

X=149158.10
Y=596403.38

CURVE DATA

CURVE NO.	PI	PI COORDINATES X	PI COORDINATES Y	Δ	D	T	L	E	R	PC	PT
RL1	498+07.10	594367.94	149082.33	00°55'14"	00°06'00"	460.14	920.27	1.85	57283.78	493+46.95	502+67.22

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	ALIGNMENT LAYOUT	SHEET 176	E

2

N

R/L WEST FRONTAGE ROAD
PREVIOUSLY CONSTRUCTED
UNDER PROJECT I.D.
1030-23-78

R/L IH 94

R/L EAST FRONTAGE ROAD
PREVIOUSLY CONSTRUCTED
UNDER PROJECT I.D.
1030-23-77

2505 2510 2515 2520 2525 2530 2535

505 510 515 520 525 530 535

5505 5510 5515 5520 5525 3530 3535

N00°06'11"W
3693.90

S89°50'48"E
1119.92

N89°10'12"E
2321.88

T 1 N
R 21 E
13 13
13 13

X=151818.79
Y=591565.42

T 2 N
R 21 E
24 19
13 18

X=151776.46
Y=594227.19

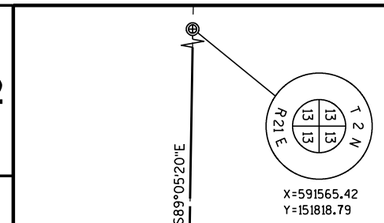
T 2 N
R 22 E
19 18
19 18

X=151804.50
Y=596413.64

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	ALIGNMENT LAYOUT	SHEET 177	E

2

CURVE DATA											
CURVE		PI COORDINATES									
NO.	PI	X	Y	Δ	D	T	L	E	R	PC	PT
22	545+34.37	594359.44	153809.62	0°11'28"	0°01'00"	573.25	1146.50	0.48	343786.68	539+61.12	551+07.62



X=591565.42
Y=151818.79

S89°05'20"E 2662.11' 1/4 LINE



X=594227.19
Y=151776.46

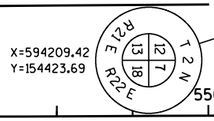
TOWN OF PARIS

TOWN OF SOMERS

135.92'

SECTION LINE 2647.3' N00°23'04"W

525 530 535 PC 22 540 R/L IH 94 545 CURVE 22 PI 22 550 PT 22

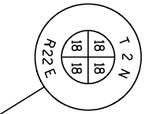


X=594209.42
Y=154423.69

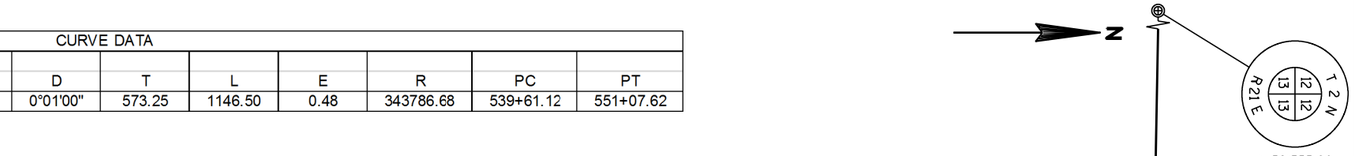
146.87'

BEGIN PROJECT 1030-23-72
503+00.00
X = 594367.05
Y = 149575.25

N89°15'54"E 2186.63' 1/4 LINE



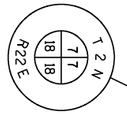
X=596413.64
Y=151804.50



X=591555.80
Y=154473.93

SECTION LINE 2654.1' S88°54'56"E

SECTION LINE 2231.14' N89°16'34"E

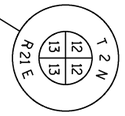


X=596440.38
Y=154451.88

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	ALIGNMENT LAYOUT	SHEET	E

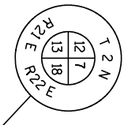
2

CURVE DATA											
CURVE		PI COORDINATES									
NO.	PI	X	Y	Δ	D	T	L	E	R	PC	PT
NET1	13NET+60.24	594401.81	155959.21	17°02'13"	11°27'33"	74.89	148.67	5.58	500.00	12NET+85.35	14NET+34.02
NET2	15NET+39.06	594328.56	156123.56	23°43'42"	11°27'33"	105.04	207.07	10.91	500.00	14NET+34.02	16NET+41.09



X=591555.80
Y=154473.93

SECTION LINE 2654.1' S88°54'56"E



X=594209.42
Y=154423.69

TOWN OF PARIS
TOWN OF SOMERS

SECTION LINE 2650.14' N0°13'32"W

146.87

R/L IH 94

555 560 565 570 575 580

15NET

PI NET2

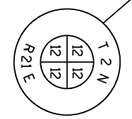
PT NET2

20NET N0°17'39"W

N0°17'39"W

24NE+87.61 RAMP NE TEMP =
578+00.00 IH 94, 19.00' LT
X=594323.68
Y=157075.10

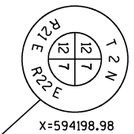
143.71'



X=591549.53
Y=157117.76

z

1/4 LINE 2649.82' S89°02'59"E



X=594198.98
Y=157073.81

N6°59'08"W

CURVE NET1

PC NET1

PI NET1

R/L NET

10NET+00.00 RAMP NE TEMP =
563+25.94 IH 94, 95.38' RT
X=594445.62
Y=155601.65

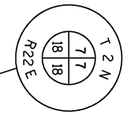
15NE+02.81 RAMP NE TEMP =
568+16.96 IH 94
X=594347.72
Y=156092.17

CURVE NET2

PCC NET1/NET2

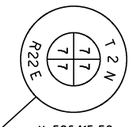
END PROJECT 1030-23-72
582+00.00
X = 594340.63
Y = 157475.19

SECTION LINE 2231.14' N89°16'34"E



X=596440.38
Y=154451.88

1/4 LINE 2216.74' N89°14'18"E



X=596415.52
Y=157103.27

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	ALIGNMENT LAYOUT	SHEET	E

FILE NAME : S:\FinalDesign\E\10350471_PW\Roads\cds\027202_ad.dgn PLOT DATE : 16-NOV-2017 16:56 PLOT BY : MSCKCM PLOT NAME : PLOT SCALE : 200:1

WISDOT/CADDS SHEET 42

2

2

N

CTH E

WEST FRONTAGE ROAD

TOWN OF PARIS

CP55154

122ND AVENUE

CP50766

CP9442

CP55215

RAMP SW

RAMP NW

CP59105

510 520 530 540 550 560 570 580 590 600

IH 94 SB
IH 94 NB

IH 94 SB
IH 94 NB

RAMP SE

RAMP NE

119TH COURT

CP57245

CP55098

CP53115

CP53248

118TH AVENUE

11TH PLACE

EAST FRONTAGE ROAD

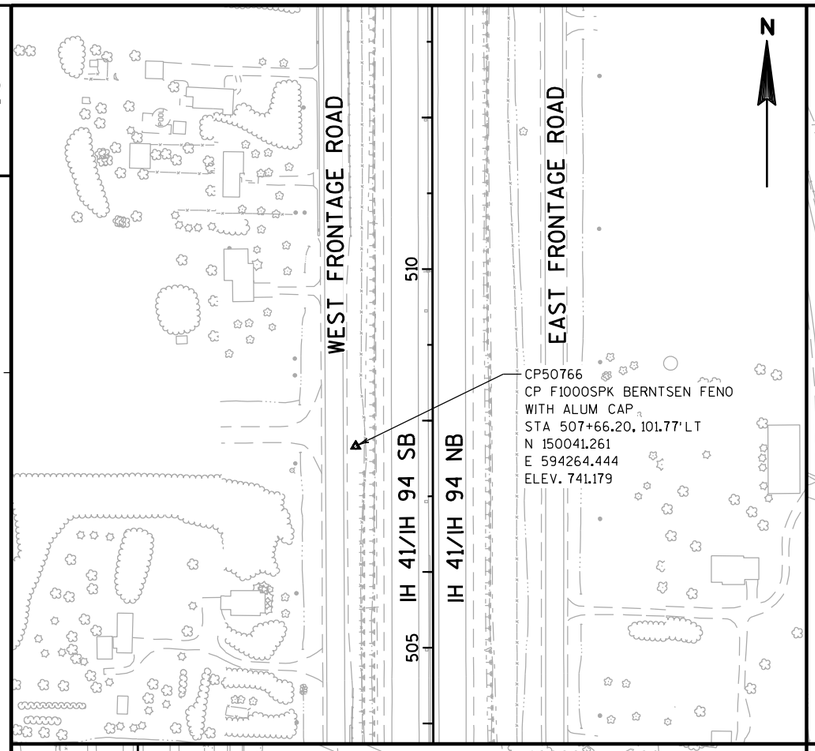
TOWN OF SOMERS

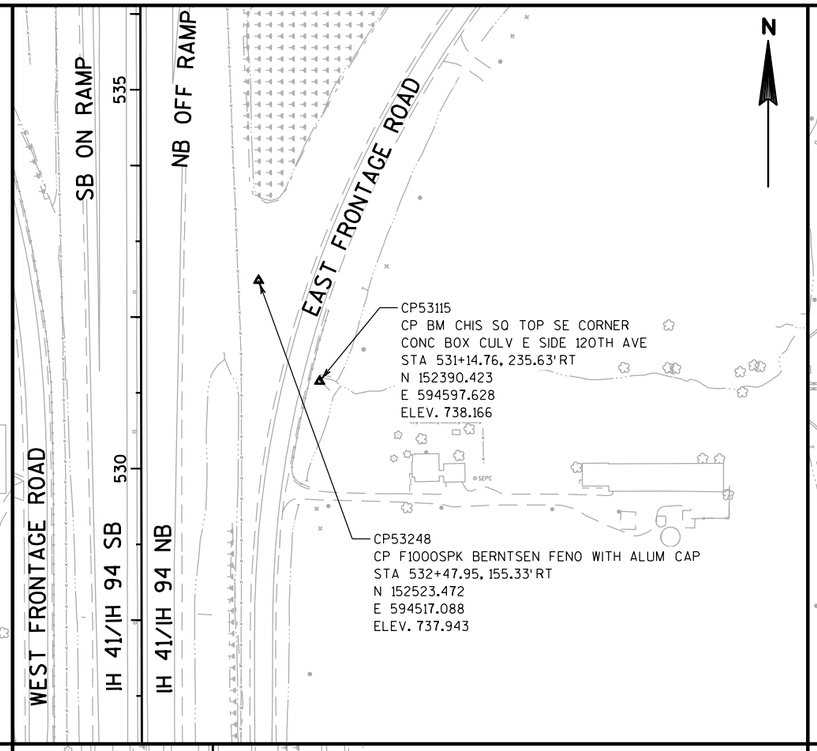
CTH E

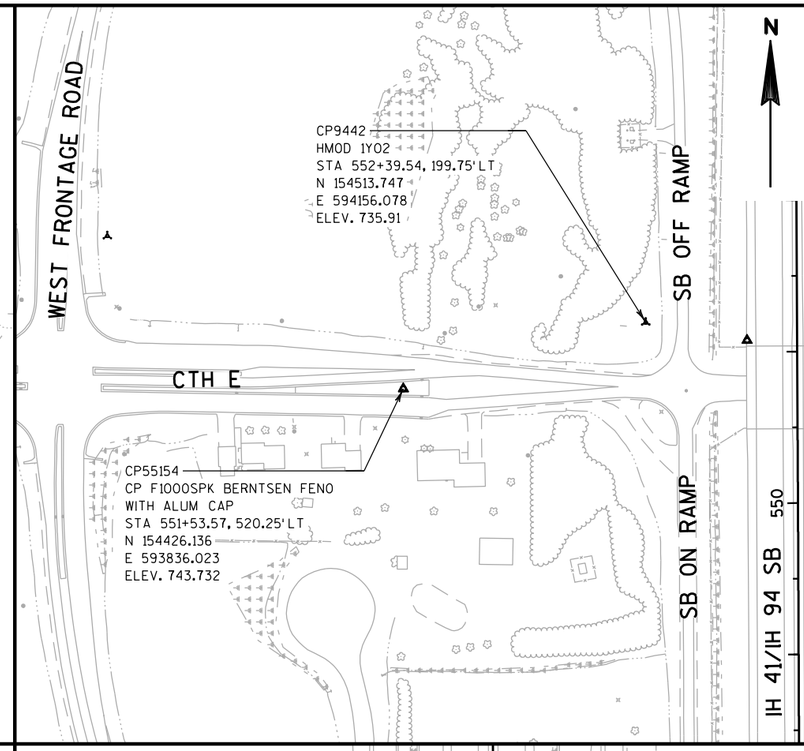
PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	ALIGNMENT LAYOUT - SURVEY CONTROL OVERVIEW	SHEET	E

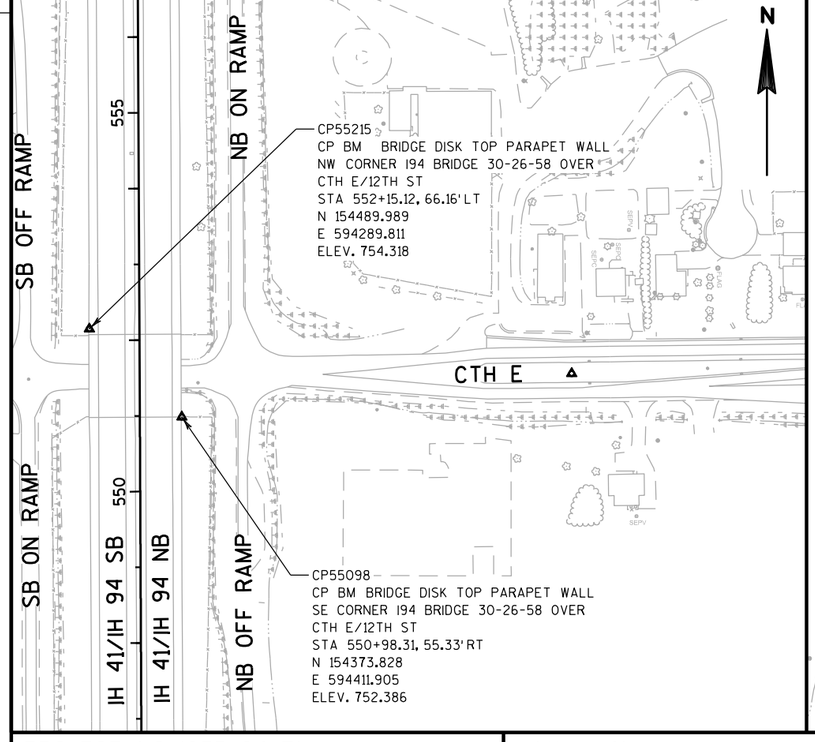
FILE NAME : S:\FinalDesign\E\10350471_PW\Roads\cds\027280_ad_cp.dgn PLOT DATE : 16-NOV-2017 16:56 PLOT BY : MSCKCM PLOT NAME : 027280_ad_cp PLOT SCALE : 600:1

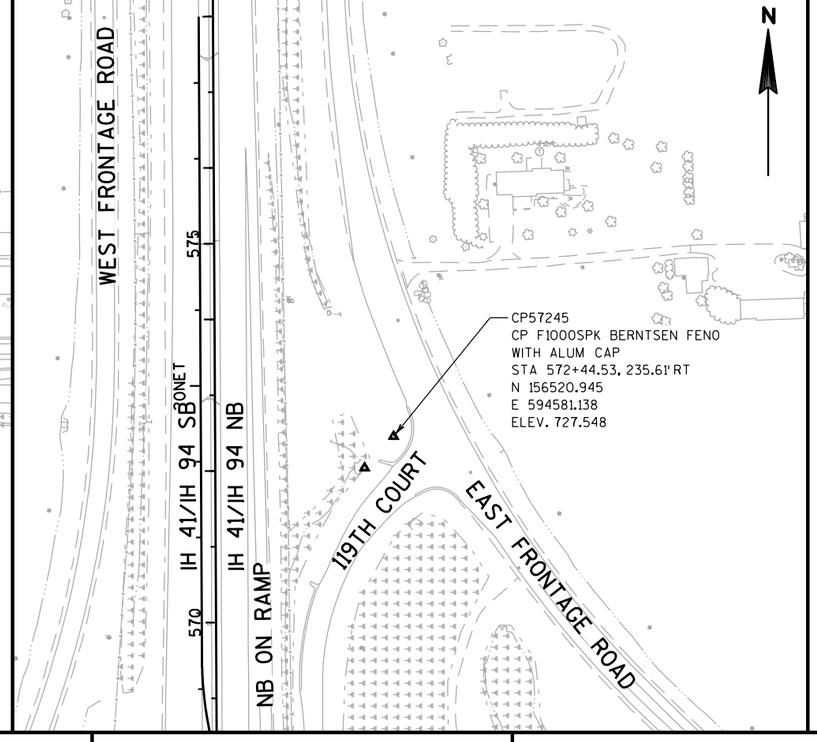
WISDOT/CADDS SHEET 42

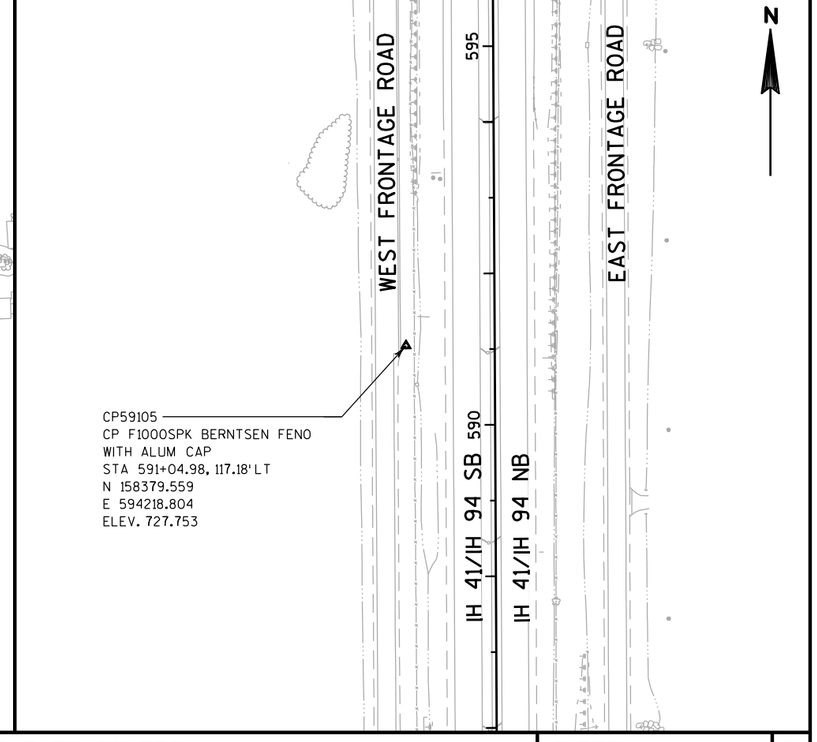






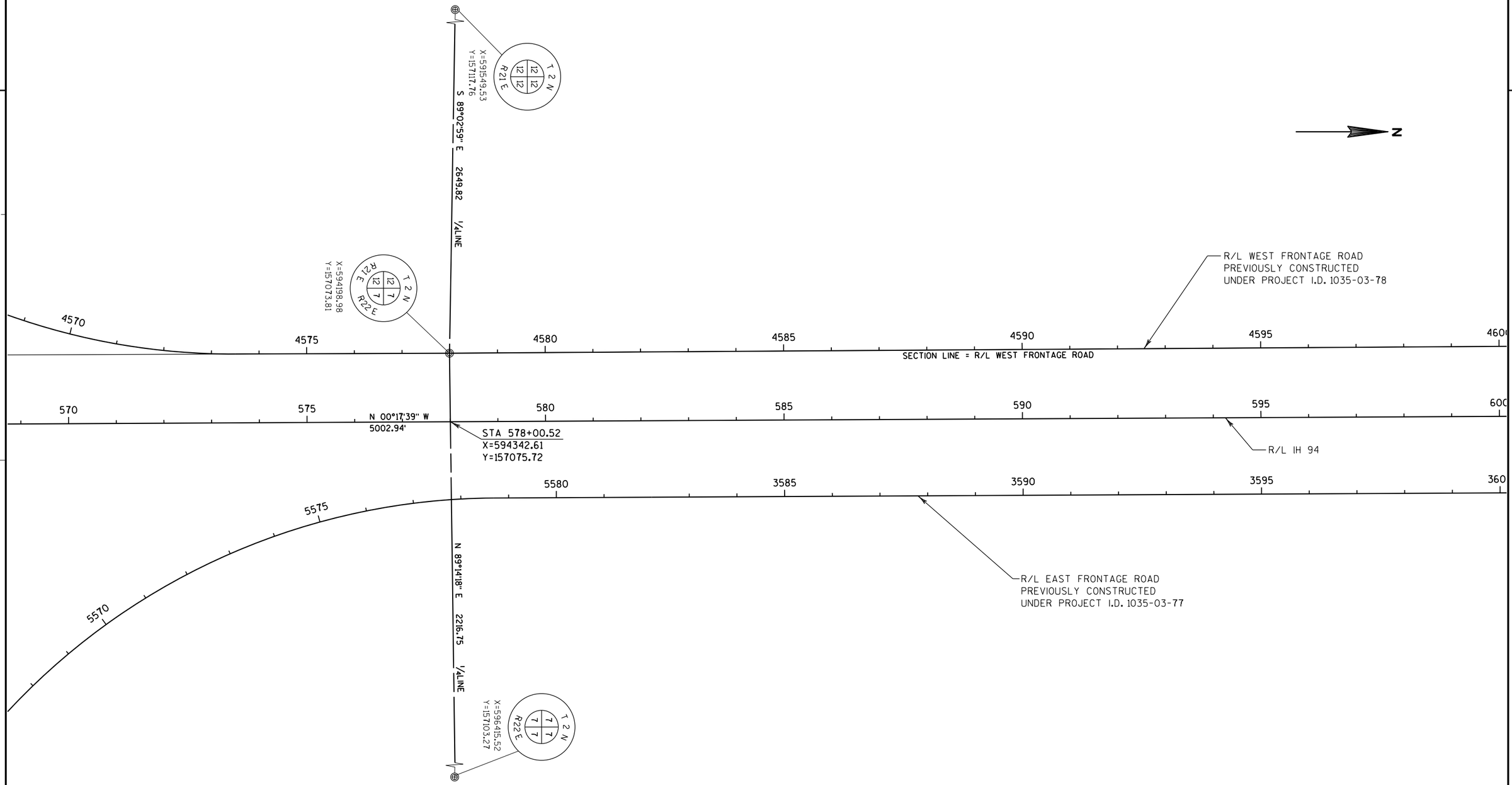






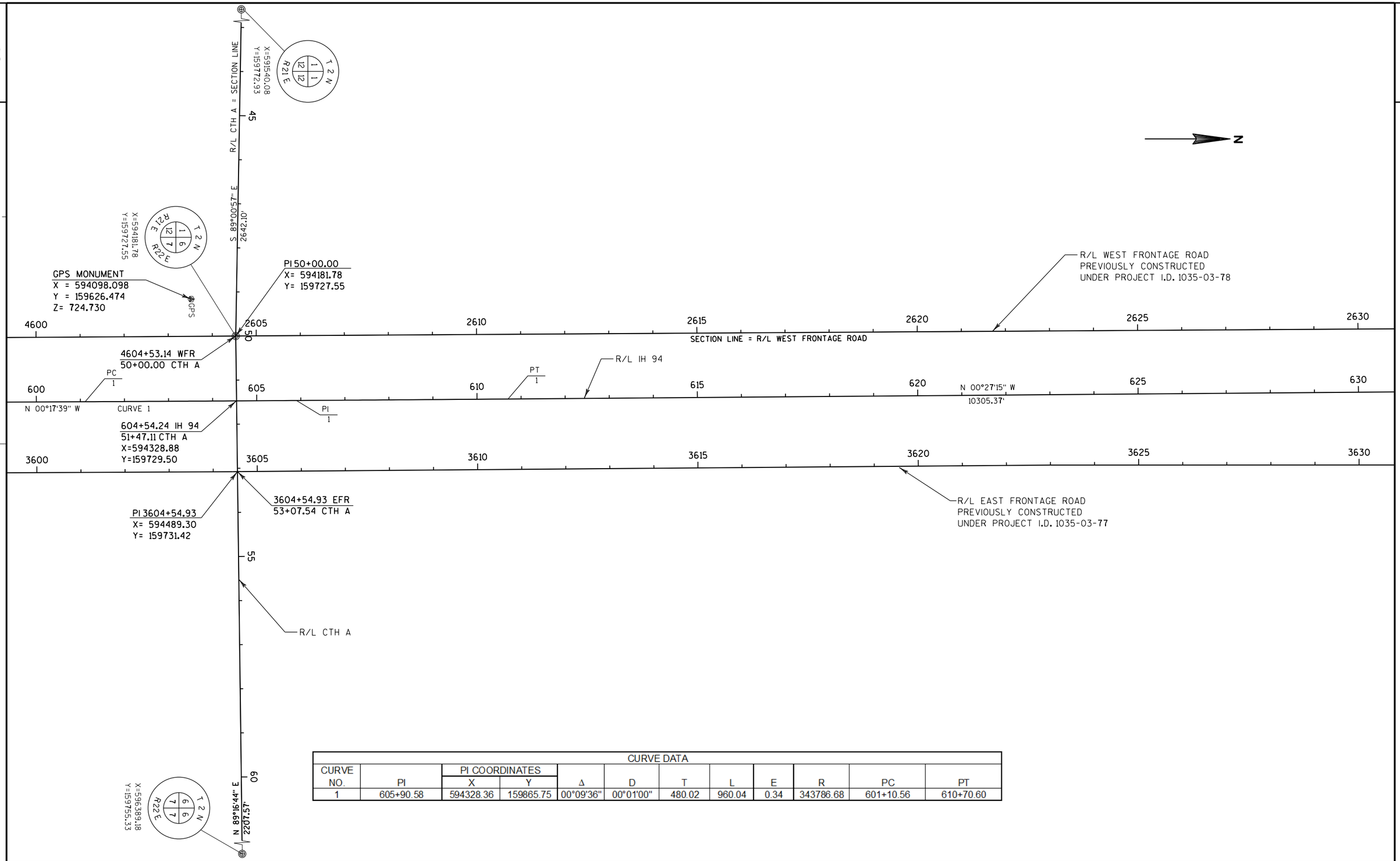
PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	ALIGNMENT LAYOUT - SURVEY CONTROL	SHEET E

2



PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	ALIGNMENT LAYOUT	SHEET 182	E

2



CURVE DATA											
CURVE NO.	PI	PI COORDINATES X	PI COORDINATES Y	Δ	D	T	L	E	R	PC	PT
1	605+90.58	594328.36	159865.75	00°09'36"	00°01'00"	480.02	960.04	0.34	343786.68	601+10.56	610+70.60

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	ALIGNMENT LAYOUT	SHEET 183	E

2

2

N

R/L WEST FRONTAGE ROAD
PREVIOUSLY CONSTRUCTED
UNDER PROJECT I.D. 1035-03-78

X=594155.55
Y=162358.73

T 2 N
R 22 E
11 6
9

2630 2635 2640 2645 2650

SECTION LINE = R/L WEST FRONTAGE ROAD

STA 630+86.37
X=594308.58
Y=162361.45

R/L IH 94

630 635 640 645 650 655 660

N 00°27'15" W
10305.37'

3630 3635 3640 3645 3650 3655

R/L EAST FRONTAGE ROAD
PREVIOUSLY CONSTRUCTED
UNDER PROJECT I.D. 1035-03-77

N 88°54'31" E 2232.18 1/4LINE

X=596397.33
Y=162401.25

T 2 N
R 22 E
6 6
6 6

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	ALIGNMENT LAYOUT	SHEET 184	E

CONTROL POINTS			
POINT NO.	COORDINATES		DESCRIPTION
	X	Y	
BM13	594051.20	166805.42	RRSP SPLIT 42" MAPLE
BM14	594491.57	166633.57	RRSP PP67-23364
CP5000	596626.30	167671.60	
CP5001	596084.88	167710.19	

POINT SEC3168
Y=165066.28
X=591509.07

T3N R21E 36 1

2645.78'
N 89°58'50" E

SECTION LINE

CONCRETE MON. WITH BRASS CAP
Y=167067.17
X=594154.86

T3N R21E 36 1 T2N R22E 31 6

2664.26'
N 0°18'32" W

SECTION LINE

POINT SEC3155
CAST IRON MON. WITH BRASS CAP
Y=167739.07
X=591498.57

T3N R21E 36

2641.95'
S 89°50'01" E

1/4 SECTION LINE

POINT SEC3156
CONCRETE MON. WITH ALUM. CAP
Y=167731.39
X=594140.50

T3N R21E 36 31 R22E

MATCHLINE 685+00

660 665 670 675 680 68

R/L IH 94

N 0° 27' 15" W

STA. 684+54.42
Y= 167729.34
X= 594266.03

KENOSHA COUNTY

RACINE COUNTY

2527.21'
S 89° 9'35" E

POINT SEC3158
Y=165030.12
X=596681.84

T3N R22E 31 6

2552.12'
S 89°03'40" E

POINT SEC3145
CAST IRON MON. WITH BRASS CAP
Y=167689.57
X=596692.28

T3N R22E 31

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	ALIGNMENT LAYOUT	SHEET 185	E

FILE NAME : P:\44xx\4444_DP.I94.RAC\Racine\CADDS\WZ Prep_142-G\CDS\027201_AD.dgn PLOT DATE : 11/16/2017 PLOT BY : kjd PLOT NAME : PLOT SCALE : 1:200

2

CONTROL POINTS			
POINT NO.	COORDINATES		DESCRIPTION
	X	Y	
HMOD1	593977.81	170296.38	TY:DISK IN CONCRETE

N

POINT SEC3142
CAST IRON MON. WITH BRASS CAP
Y=170411.23
X=591482.10

T3N R21E 36 25

S 89°44'10" E
2644.746'

SECTION LINE

POINT SEC3143
CAST IRON MON. WITH BRASS CAP
Y=170399.04
X=594126.82

T3N R21E 36 25
T3N R22E 31 30

MATCHLINE 685+00

2667.69'

N 0°17'38" W

SECTION LINE

MATCHLINE 712+00

R/L IH 94

685 690 695 700 705 710

N 0° 27' 15" W

STA. 711+21.55
Y= 170396.38
X= 594244.89

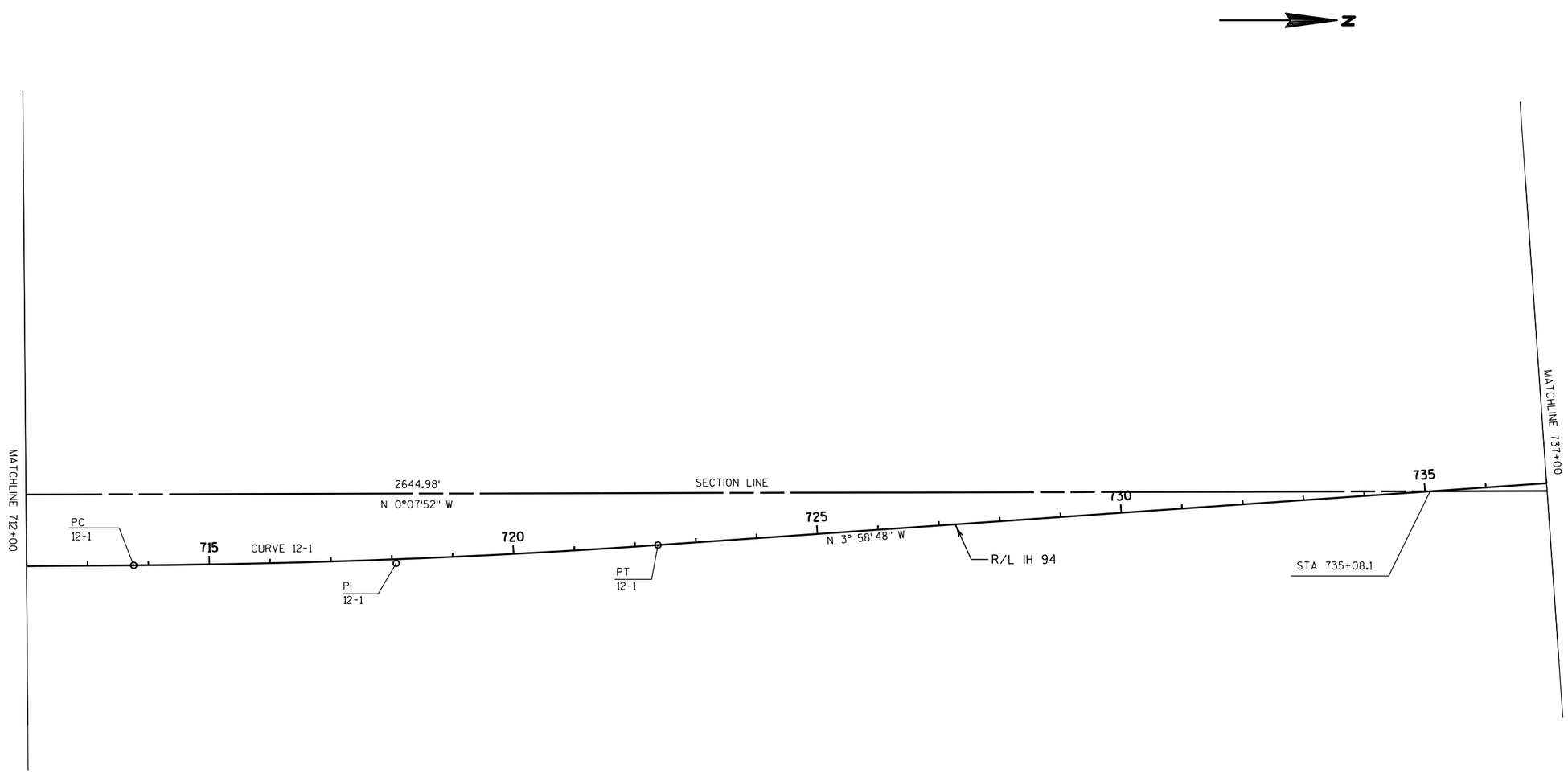
POINT SEC3132
CAST IRON MON. WITH BRASS CAP
Y=170341.77
X=596664.43

T3N R22E 31 30

S 88°42'26" E
2538.264'

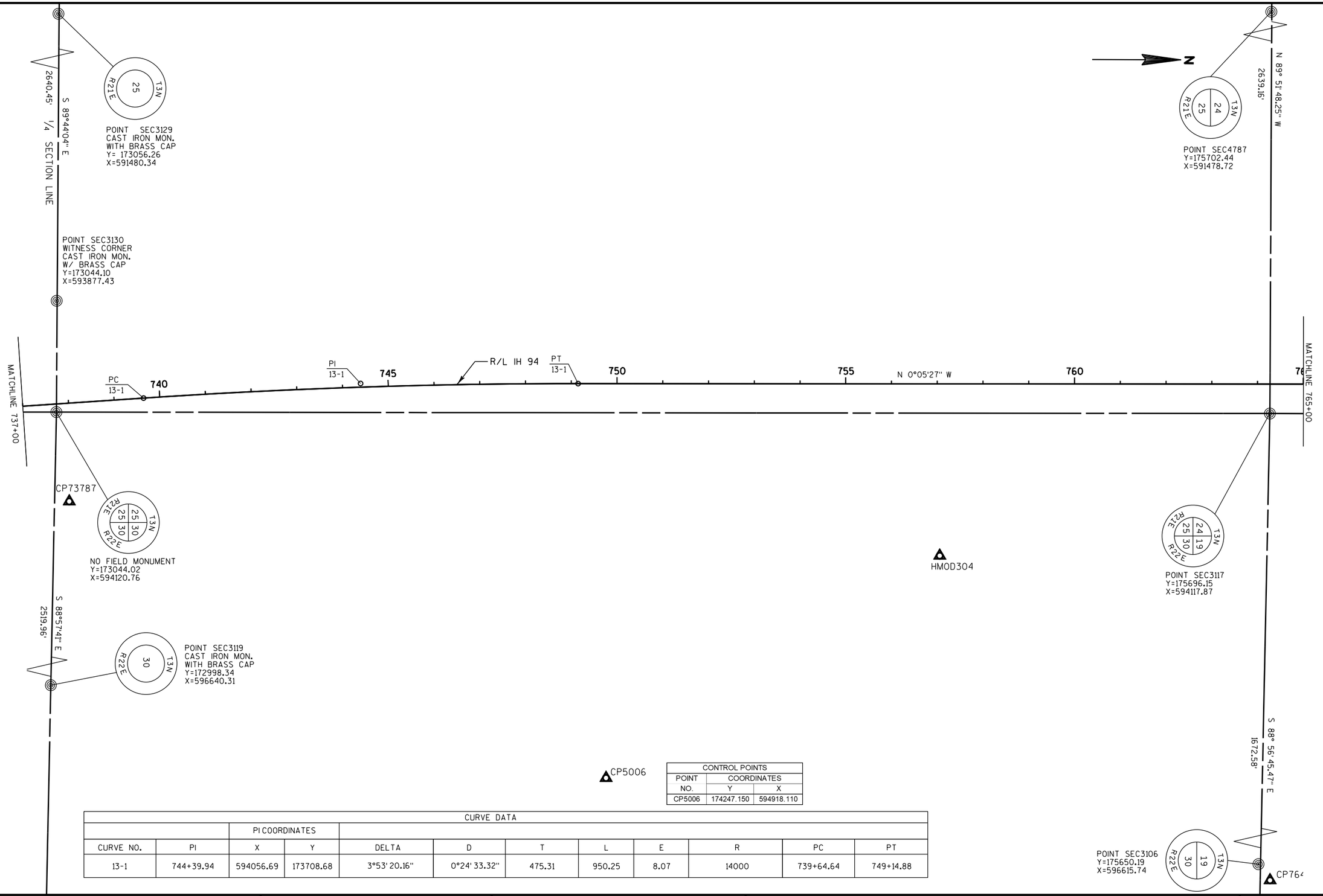
PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	ALIGNMENT LAYOUT	SHEET 186	E

CURVE DATA												
CURVE NO.	PI	PI COORDINATES Y	X	Δ	D	T	L	E	R	PC	PT	SE
12-1	718+06.87	594239.46	171081.68	(3°31'33")	0°24'33"	430.89'	861.51'	6.63'	14000.00	713+75.98	722+37.48	NC



PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	ALIGNMENT LAYOUT	SHEET 187	E

2



CP5006

CONTROL POINTS		
POINT NO.	COORDINATES Y	X
CP5006	174247.150	594918.110

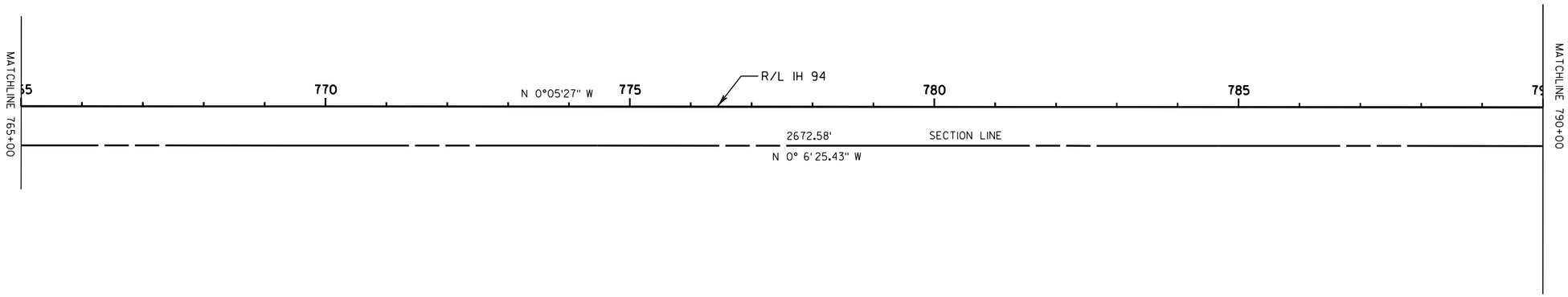
CURVE DATA											
		PI COORDINATES									
CURVE NO.	PI	X	Y	DELTA	D	T	L	E	R	PC	PT
13-1	744+39.94	594056.69	173708.68	3°53' 20.16"	0°24' 33.32"	475.31	950.25	8.07	14000	739+64.64	749+14.88

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	ALIGNMENT LAYOUT	SHEET 188	E

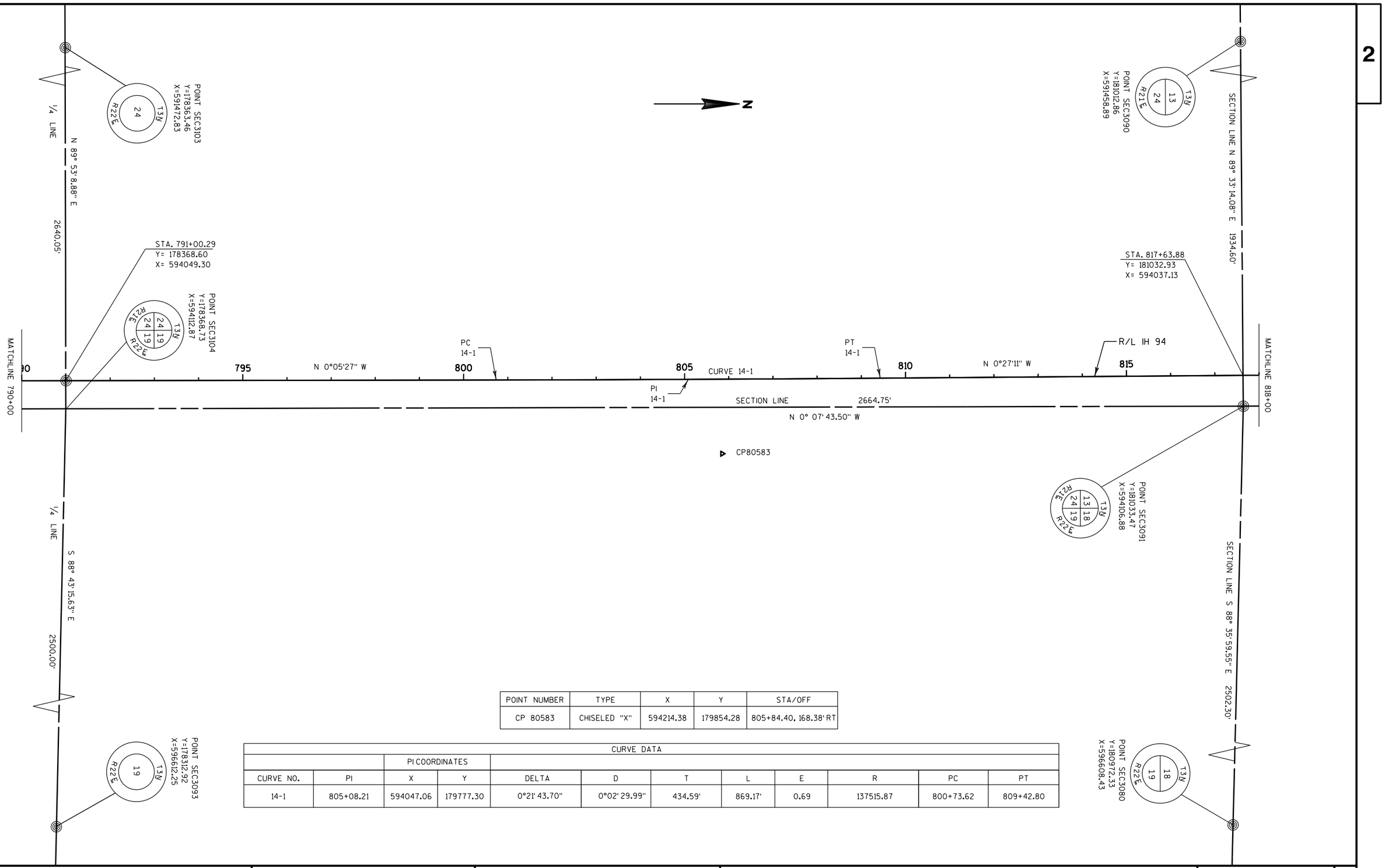
2

N

CP78638



PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	ALIGNMENT LAYOUT	SHEET 189	E

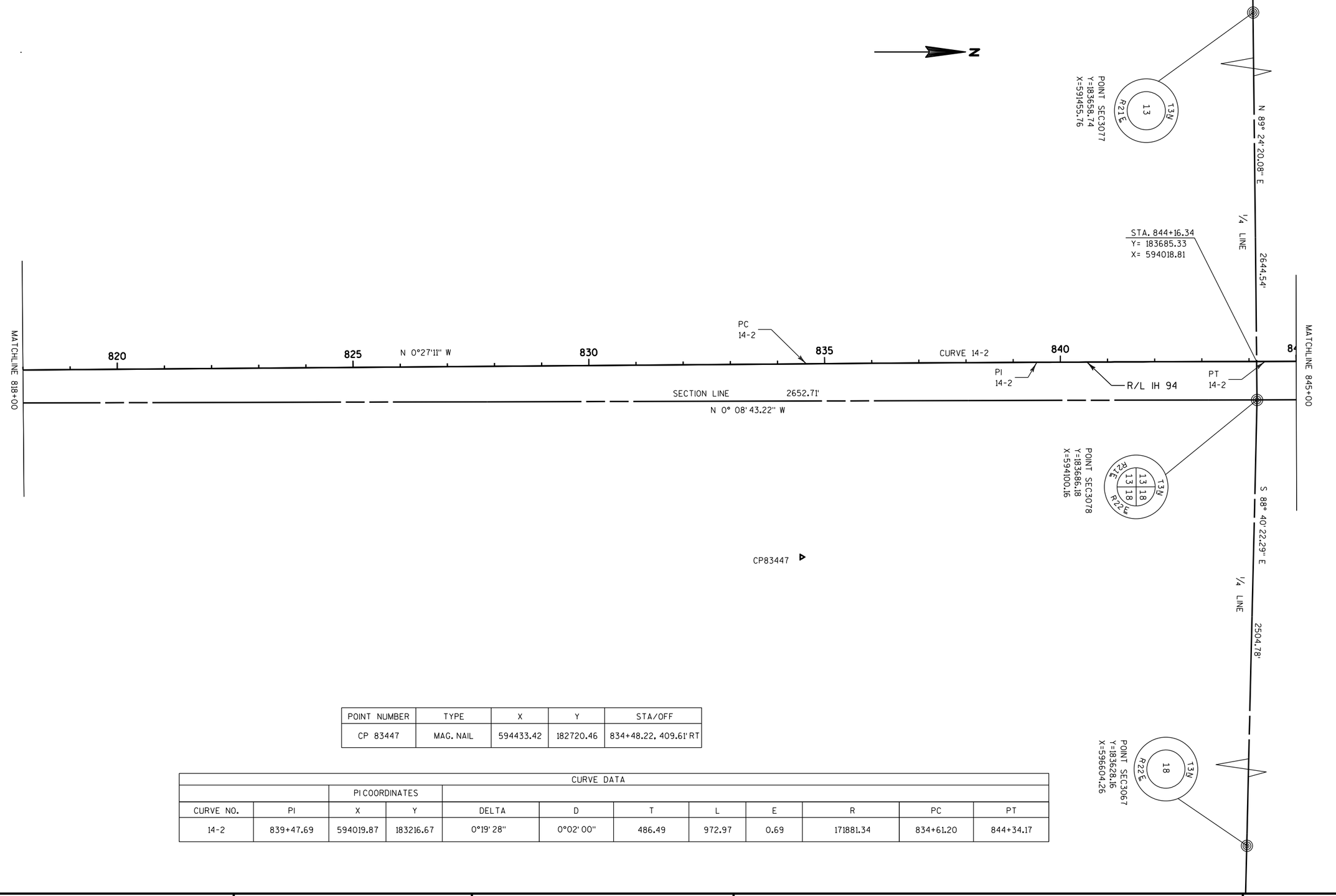


POINT NUMBER	TYPE	X	Y	STA/OFF
CP 80583	CHISELED "X"	594214.38	179854.28	805+84.40, 168.38' RT

CURVE DATA											
		PI COORDINATES									
CURVE NO.	PI	X	Y	DELTA	D	T	L	E	R	PC	PT
14-1	805+08.21	594047.06	179777.30	0°21' 43.70"	0°02' 29.99"	434.59'	869.17'	0.69	137515.87	800+73.62	809+42.80

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	ALIGNMENT LAYOUT	SHEET E

FILE NAME : P:\44xx\4444_DP.I94.RAC\Racine\CADDS\WZ Prep_142-G\CDS\027206_AD.dgn PLOT DATE : 11/16/2017 PLOT BY : kjd PLOT NAME : _____ PLOT SCALE : 1:200

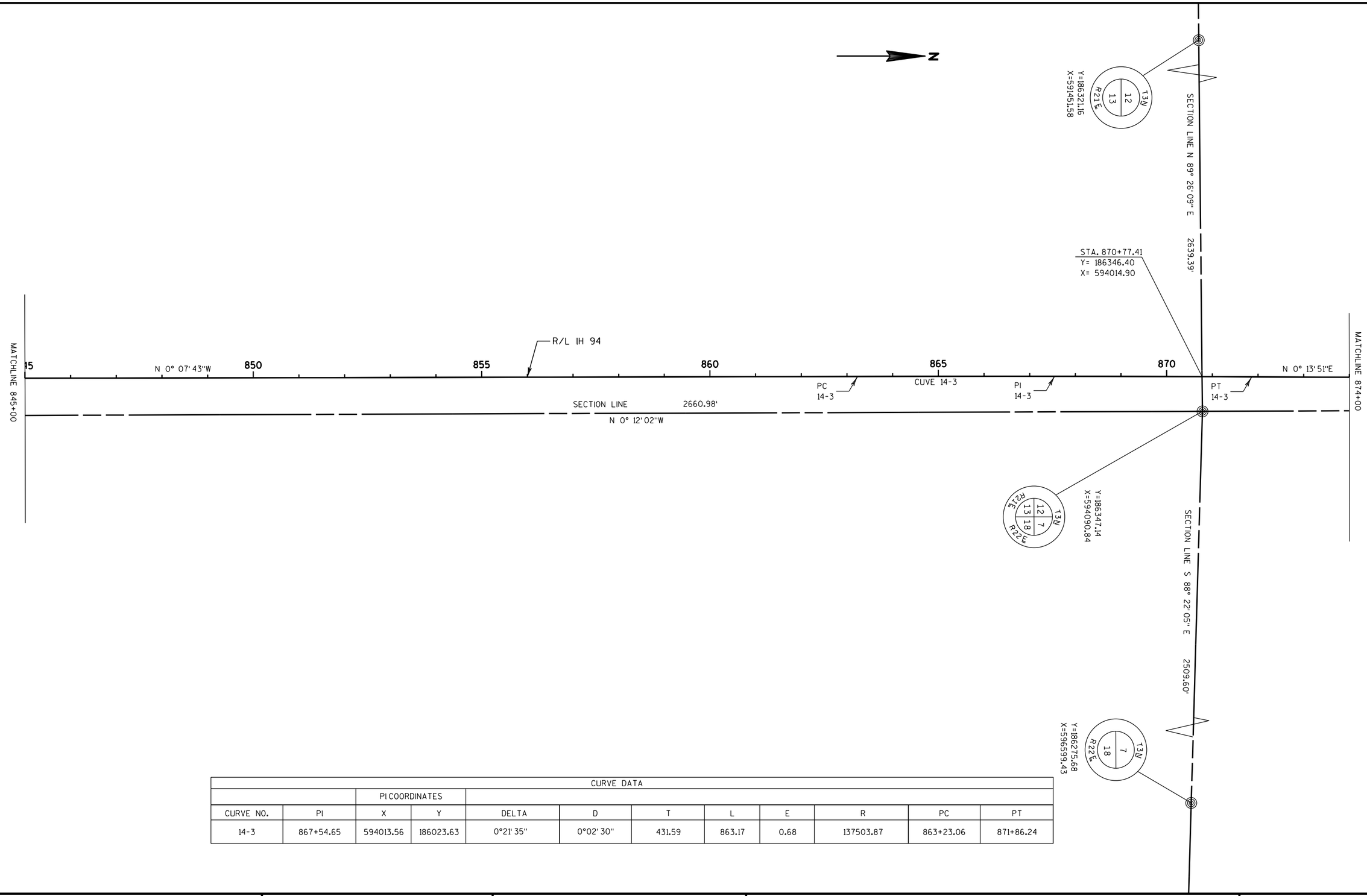


POINT NUMBER	TYPE	X	Y	STA/OFF
CP 83447	MAG. NAIL	594433.42	182720.46	834+48.22, 409.61' RT

CURVE DATA											
		PI COORDINATES									
CURVE NO.	PI	X	Y	DELTA	D	T	L	E	R	PC	PT
14-2	839+47.69	594019.87	183216.67	0°19' 28"	0°02' 00"	486.49	972.97	0.69	171881.34	834+61.20	844+34.17

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	ALIGNMENT LAYOUT	SHEET	E

FILE NAME : P:\44xx\4444_DP.I94.RAC\Racine\CADDS\WZ Prep_142-G\CDS\027207_AD.dgn PLOT DATE : 11/16/2017 PLOT BY : kjd PLOT NAME : _____ PLOT SCALE : 1:200



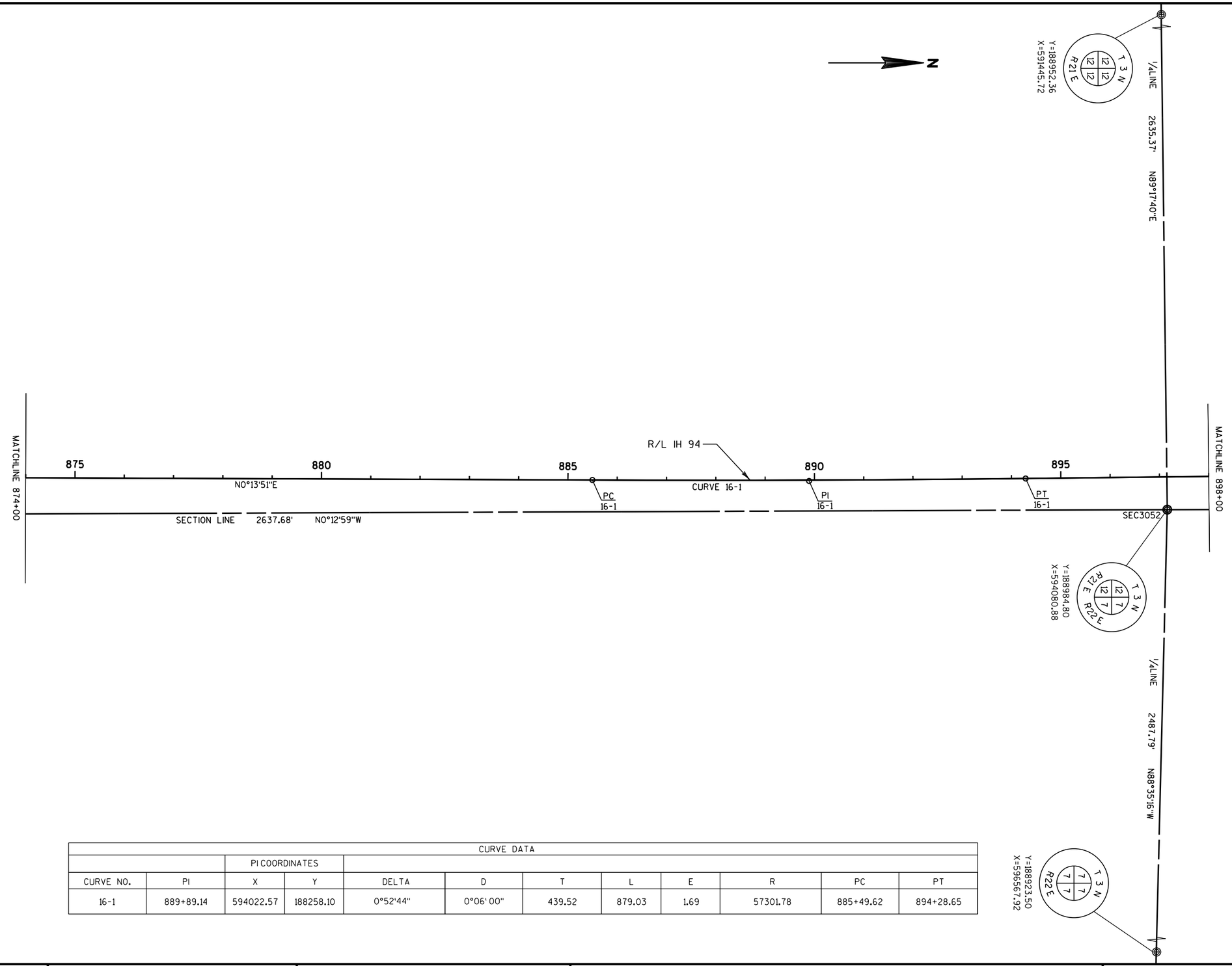
CURVE DATA											
		PI COORDINATES									
CURVE NO.	PI	X	Y	DELTA	D	T	L	E	R	PC	PT
14-3	867+54.65	594013.56	186023.63	0°21' 35"	0°02' 30"	431.59	863.17	0.68	137503.87	863+23.06	871+86.24

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	ALIGNMENT LAYOUT	SHEET	E

FILE NAME : P:\44xx\4444_DP.I94.RAC\Racine\CADDS\WZ Prep_142-G\CDS\027208_AD.dgn PLOT DATE : 11/16/2017 PLOT BY : kjd PLOT NAME : _____ PLOT SCALE : 1:200

WISDOT/CADDS SHEET 42

2

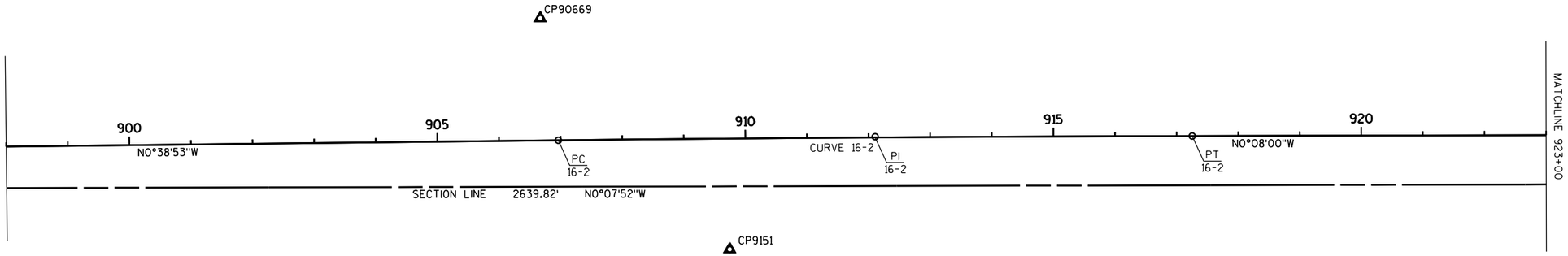


CURVE DATA											
		PI COORDINATES									
CURVE NO.	PI	X	Y	DELTA	D	T	L	E	R	PC	PT
16-1	889+89.14	594022.57	188258.10	0°52'44"	0°06' 00"	439.52	879.03	1.69	57301.78	885+49.62	894+28.65

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	ALIGNMENT LAYOUT	SHEET 193	E

2

N



CURVE DATA												
CURVE NO.	PI	PI COORDINATES X	PI COORDINATES Y	Δ	D	T	L	E	R	PC	PT	SE
16-2	912+10.89	593997.44	190479.73	0°30'52"	0°03'00"	514.55	1029.10	1.16	114585.56	906+96.33	917+25.43	NC

2

N

SECTION LINE 2645.15' N89°20'55"E

Y=191594.54
X=591429.86

T 3 N
R 21 E
12 | 1
12 | 1

CP93231

MATCHLINE 923+00

925 930 935 940 945

R/L IH 94

N0°08'00"W

PC 16-3

CURVE 16-3

PI 16-3

PT 16-3

N0°22'39"W

MATCHLINE 949+00

SEC3039

SECTION LINE 2647.92' N0°16'00"W

N88°57'10"E

Y=191624.62
X=594074.84

T 3 N
R 22 E
12 | 6
7 | 7

N88°58'15"W

PI 51+41.77
Y = 191627.21
X = 594216.59

SECTION LINE 2475.69' N88°42'36"W

Y=191568.89
X=596549.90

T 3 N
R 22 E
7 | 6
7 | 7

CURVE DATA

CURVE NO.	PI	PI COORDINATES X	PI COORDINATES Y	Δ	D	T	L	E	R	PC	PT	SE
16-3	940+01.19	593990.94	193270.03	0°14'39"	0°01'30"	488.28	976.57	0.52	229183.12	935+12.91	944+89.48	NC

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	ALIGNMENT LAYOUT	SHEET 195	E

2

2

N

Y=196953.48
X=591407.93

T4N R21E
36 36
1 1
T 3 N R 21 E

SECTION LINE
2646.77'
N89°39'14"W

CP97736

Y=194253.77
X=591419.53

T 3 N R 21 E
1 1
1 1

1/4 LINE
2643.05'
N89°35'37"E

CP96353

R/L IH 94

MATCHLINE 949+00

950 955 960 965 970 975

NO°22'39"W

MATCHLINE 979+00

SEC3026

SECTION LINE 2665.00' NO°10'09"W

SEC3013

CP95075

Y=194272.51
X=594062.52

T 3 N R 22 E
1 6
1 6

Y=196937.49
X=594054.65

T4N R22E
36 31
1 6
T 3 N R 22 E

1/4 LINE
2495.15'
N88°41'09"W

SECTION LINE
2509.44'
S88°45'22"E

Y=194266.50
X=594964.53

T 3 N R 21 E
6 6
6 6

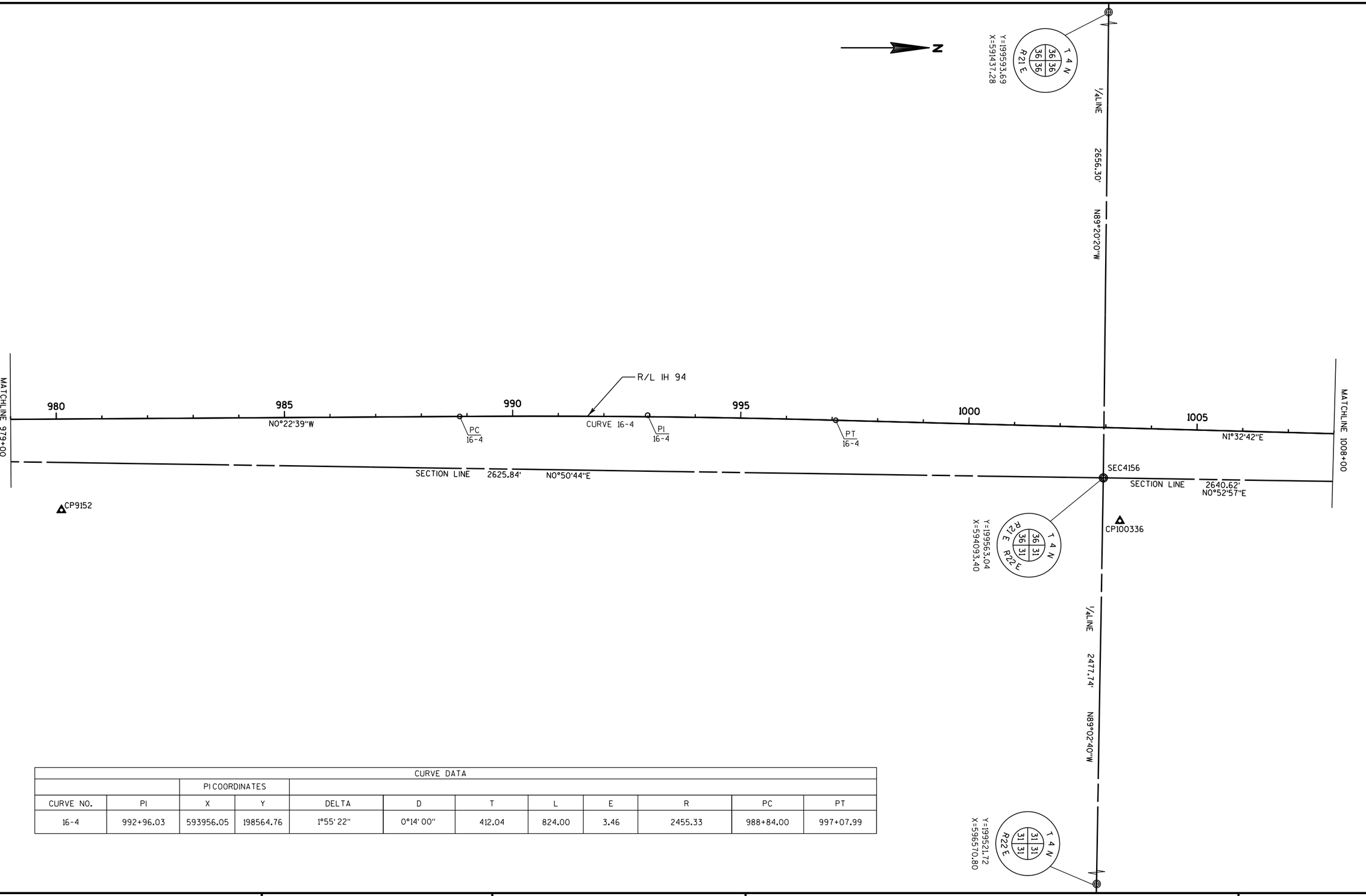
Y=196883.00
X=596564.10

T4N R22E
31 31
6 6
T 3 N R 22 E

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	ALIGNMENT LAYOUT	SHEET 196	E

FILE NAME : P:\44xx\4444_DP.I94.RAC\Racine\CADDS\WZ Prep_142-G\CDS\027212_AD.dgn PLOT DATE : 11/16/2017 PLOT BY : kjd PLOT NAME : PLOT SCALE : 1:200

2



CURVE DATA											
		PI COORDINATES									
CURVE NO.	PI	X	Y	DELTA	D	T	L	E	R	PC	PT
16-4	992+96.03	593956.05	198564.76	1°55' 22"	0°14' 00"	412.04	824.00	3.46	2455.33	988+84.00	997+07.99

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	ALIGNMENT LAYOUT	SHEET 197	E

2

2

CAST IRON MONU.
WITH BRASS CAP
STA 1029+44.92
2564.70' LT
N=202,239.33
E=591,473.71

T 4 N
R 21 E
36 25

N

N 89°13'30" W

2660.61'

IIH 94 R/L

CURVE NO.	PI (STA)	PI (Y,X)		DELTA	DEGREE	RADIUS	TANGENT	LENGTH	EXTERNAL	PC (STA)	PC (Y,X)		PT (STA)	PT (Y,X)	
11	1019+70.32	201238.16	594028.16	0°57'02"	0°06'00"	57289.78	475.29	950.56	1.97	1014+95.03	200763.04	594015.35	1024+45.59	201713.42	594033.09

CP101963

1010 — N 01°32'42" E — 1015 (PC 11) — 1020 (PI 11) — CURVE 11 — IH 94 — 1025 (PT 11) — N 00°35'40" E — 1030 — 1035 — 1040+00

R/L IH 94

MATCHLINE 1040+00

TOWNSHIP LINE — N 00°52'57" E — 2640.62' — SEC102937 — N 00°43'07" E — 2635.24'

CAST IRON MONU.
WITH BRASS CAP
STA 1029+36.54
95.88' RT
N=202,203.31
E=594,134.06

T 4 N
R 21 E
R 22 E
T 3 N
36 31 25 30

SECTION LINE

N 88°58'03" W

2450.32'

CAST IRON MONU.
WITH BRASS CAP
STA 1029+17.80
2546.14' RT
N=202,159.19
E=596,584.00

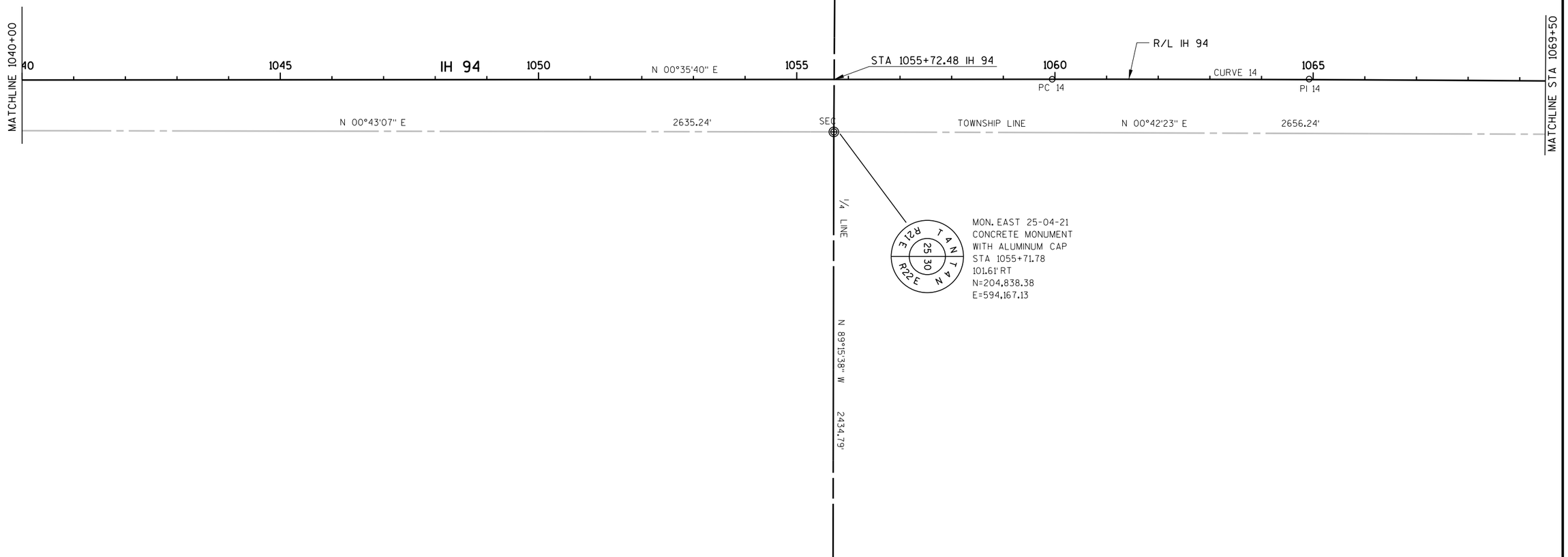
T 4 N
R 22 E
31 30

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	ALIGNMENT PLAN	SCALE, FEET 0 100 200	SHEET	E

FILE NAME : F:\BM1-1644D CTH K\10301172_M\Roads\cds\027201_ad-1035-04-71.dgn PLOT DATE : 15-NOV-2017 11:09 PLOT BY : hgasik PLOT NAME : 027201_ad-1035-04-P PLOT SCALE : 200:1
WISDOT/CADDS SHEET 42

IIH 94 R/L

CURVE NO.	PI(STA)	PI(Y,X)		DELTA	DEGREE	RADIUS	TANGENT	LENGTH	EXTERNAL	PC (STA)	PC (Y,X)		PT (STA)	PT (Y,X)	
14	1064+92.20	205759.81	594075.07	0°29'51"	0°02'60"	114597.56	497.62	995.23	1.08	1059+94.58	205262.22	594069.91	1069+89.81	206257.34	594084.56



PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	ALIGNMENT PLAN	SCALE, FEET 0 100 200	SHEET 199	E

2

2

CAST IRON MONU.
WITH BRASS CAP
1082+13.86
2653.03' LT
N=207,529.73
E=591,560.10

T 4 N
R 21 E
25 | 24

N

N 89°14'02" W

2645.42'

SECTION LINE

CP109088

MATCHLINE STA 1069+50

1070
PT 14

1075
R/L IH 94

1080

IH 94

1085

N 01°05'31" E

1090

1095

N 00°42'23" E 2656.24'

TOWNSHIP LINE

N 00°53'45" E 2650.20'

T 4 N
R 21 E
R 22 E
25 | 24
30 | 19

CAST IRON MONU.
WITH BRASS CAP
STA 1082+28.90
97.12' RT
N=207,494.35
E=594,205.28

POE STA 5082+28.39
Y 207493.63
X 594251.27

CAST IRON MONU.
WITH BRASS CAP
STA 1108+79.09
88.05' RT
N=210,144.23
E=594,246.71

N 89°16'45" W

2414.15'

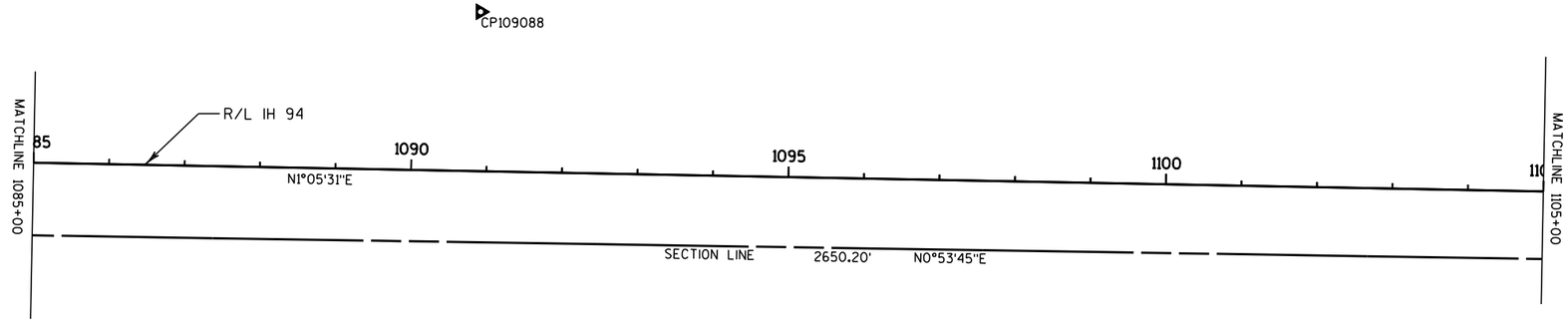
T 4 N
R 22 E
30 | 19

CAST IRON MONU.
WITH BRASS CAP
STA 1082+32.76
2630.35' RT
N=207,463.98
E=596,619.24

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	ALIGNMENT PLAN	SCALE, FEET 0 100 200	SHEET 200	E

2

N



PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	ALIGNMENT LAYOUT	SHEET 201	E

2

2

N

T 4 N
R 21 E
24 24
24 24

Y=210184.98
X=591600.93

N89°07'04"W 2646.09'

1/4 LINE

CP111055

MATCHLINE 1105+00

1110 1115 1120 1125 1130

R/L IH 94

N1°05'31"E

MATCHLINE 1135+00

SECTION LINE 2650.20' N0°53'45"E

SECTION LINE 2651.08' N1°10'18"E

T 4 N
R 22 E
24 19
24 19

Y=210144.23
X=594246.71

N89°12'50"W 2388.50'

1/4 LINE

T 4 N
R 22 E
19 19
19 19

Y=210111.47
X=596654.98

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	ALIGNMENT LAYOUT	SHEET 202	E

FILE NAME : P:\44xx\4444_DP.I94.RAC\Racine\CADDS\WZ Prep_142-G\CDS\027218_AD.dgn PLOT DATE : 11/16/2017 PLOT BY : kjd PLOT NAME : $FILE$ PLOT SCALE : 1:200

WISDOT/CADDS SHEET 42

2

2

N

T 4 N
R 21 E
13 | 13
24 | 24

Y=212837.16
X=591641.95

N89°05'11"W
SECTION LINE 2659.31'

CP113630

T 4 N
R 21 E
13 | 13
13 | 13

Y=215488.00
X=591700.57

N89°05'30"W
2657.67'
¼LINE

CP9154

MATCHLINE 1135+00

1135+29.89 IH 94
Y = 212796.22
X = 594209.20

1135 1140 1145 1150 1155 1160 1165

R/L IH 94

PC 18-1
PI 18-1
CURVE 18-1
PT 18-1
PC

N0°20'24"W

SECTION LINE 2651.72' N1°13'53"E

T 4 N
R 21 E
24 | 13
19 | 18
R 22 E

Y=212794.76
X=594300.92

END PROJECT 1030-25-79
1137+00.00
Y = 212966.31
X = 594212.10

T 4 N
R 21 E
13 | 18
R 22 E

Y=215445.87
X=594357.91

N89°11'17"W
2330.92'
¼LINE

N89°10'57"W
2351.41'
SECTION LINE

T 4 N
R 22 E
19 | 18
19 | 18

Y=212761.21
X=596652.10

T 4 N
R 22 E
18 | 18
18 | 18

Y=215412.84
X=596688.59

CURVE DATA

		PI COORDINATES									
CURVE NO.	PI	X	Y	DELTA	D	T	L	E	R	PC	PT
18-1	1139+75.82	594217.70	213242.08	1°25'56"	0°10'00"	429.58	859.12	2.68	34371.47	1135+46.24	1144+05.36

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	ALIGNMENT LAYOUT	SHEET 203	E

2

CP68742
F1000SPK BERNTSEN FENO
MONUMENT WITH ALUM CAP
STA. 687+41.61, 98.84' LT
N=168015.73
E=594164.92
ELEV.=738.72

N

4688 4690 4692 4694 4696

WEST FRONTAGE ROAD

IH-94 SB

688 690 692 694 696

IH-94 NB

CP69372
F1000SPK BERNTSEN FENO
MONUMENT WITH ALUM CAP
STA. 693+72.44, 84.56' RT
N=168647.99
E=594343.32
ELEV.=742.19

5688 5690 5692 5694 5696

EAST FRONTAGE ROAD

CP70481
F1000SPK BERNTSEN FENO
MONUMENT WITH ALUM CAP
STA. 704+80.65, 156.99' LT
N=169754.26
E=594092.99
ELEV.=753.23

CP9439
HMOD 1Y04
STA. 710+23.64, 267.89' LT
N=170296.35
E=593977.79
ELEV.=746.26

BRAUN ROAD

N

4706 4708 4710 2712 2714

WEST FRONTAGE ROAD

IH-94 SB

706 708 710 712 714

IH-94 NB

5706 5708 5710 3712 3714

EAST FRONTAGE ROAD

N

2726 2728 2730

WEST FRONTAGE ROAD

IH-94 SB

726 728 730

IH-94 NB

3726 3728 3730

EAST FRONTAGE ROAD

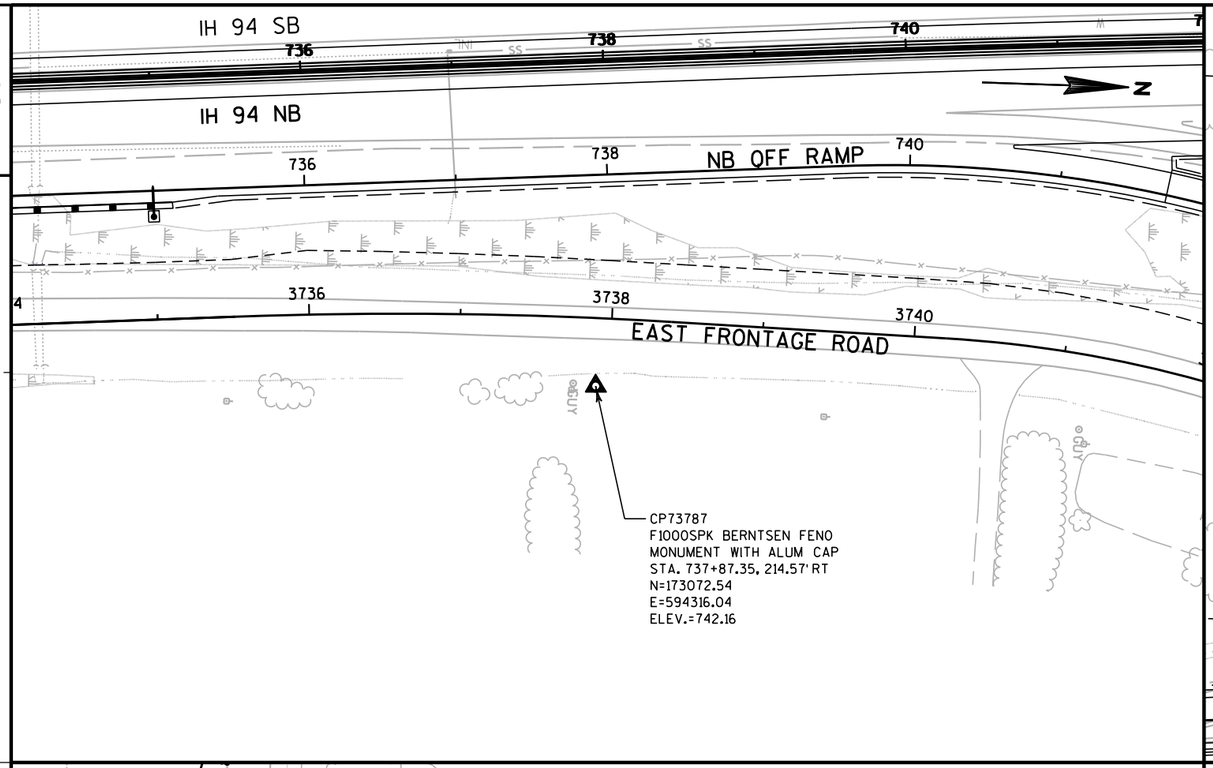
CP72779
F1000SPK BERNTSEN FENO
MONUMENT WITH ALUM CAP
STA. 727+78.58, 207.70' RT
N=172065.73
E=594379.20
ELEV.=742.68

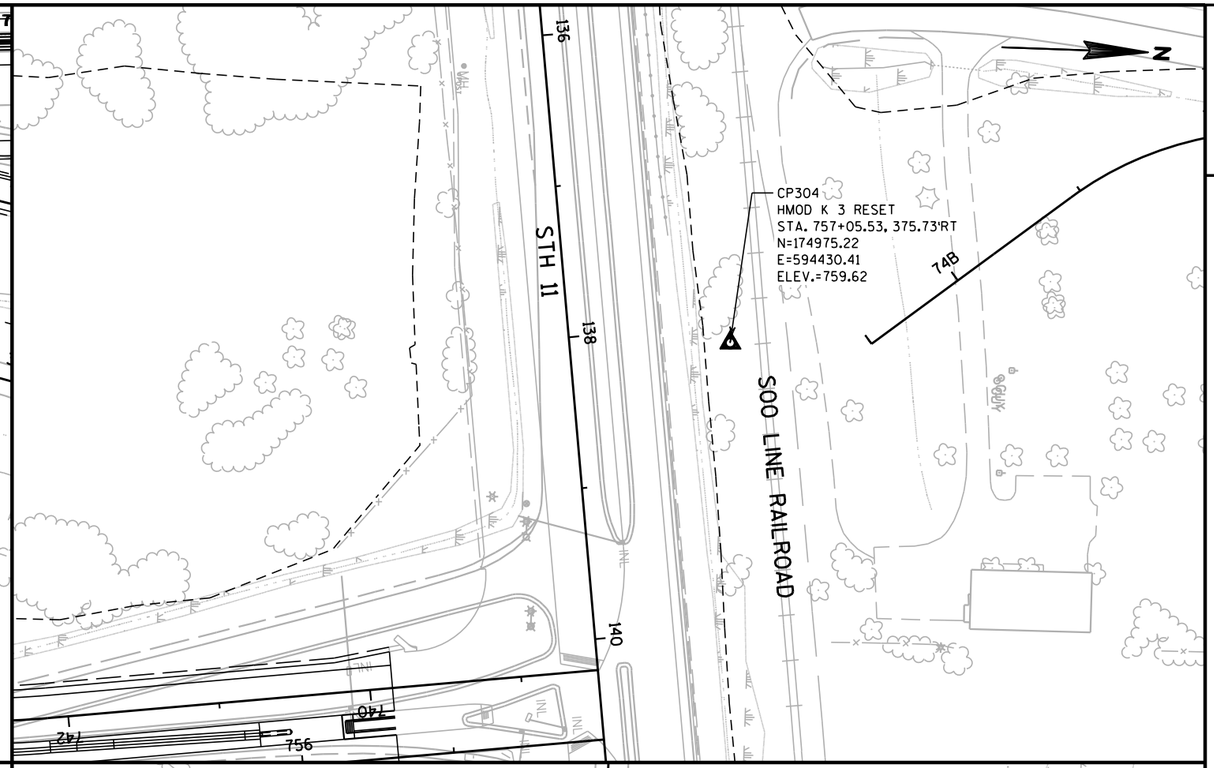
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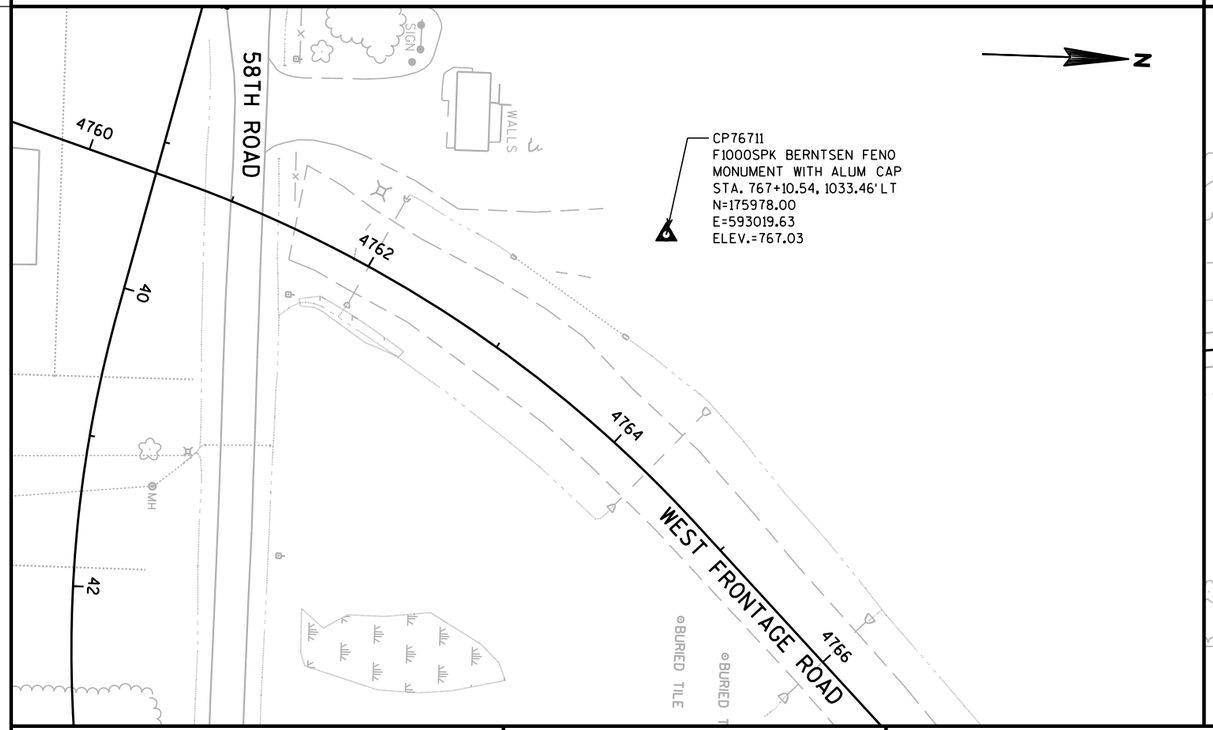
PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	SURVEY CONTROL	SHEET 204	E

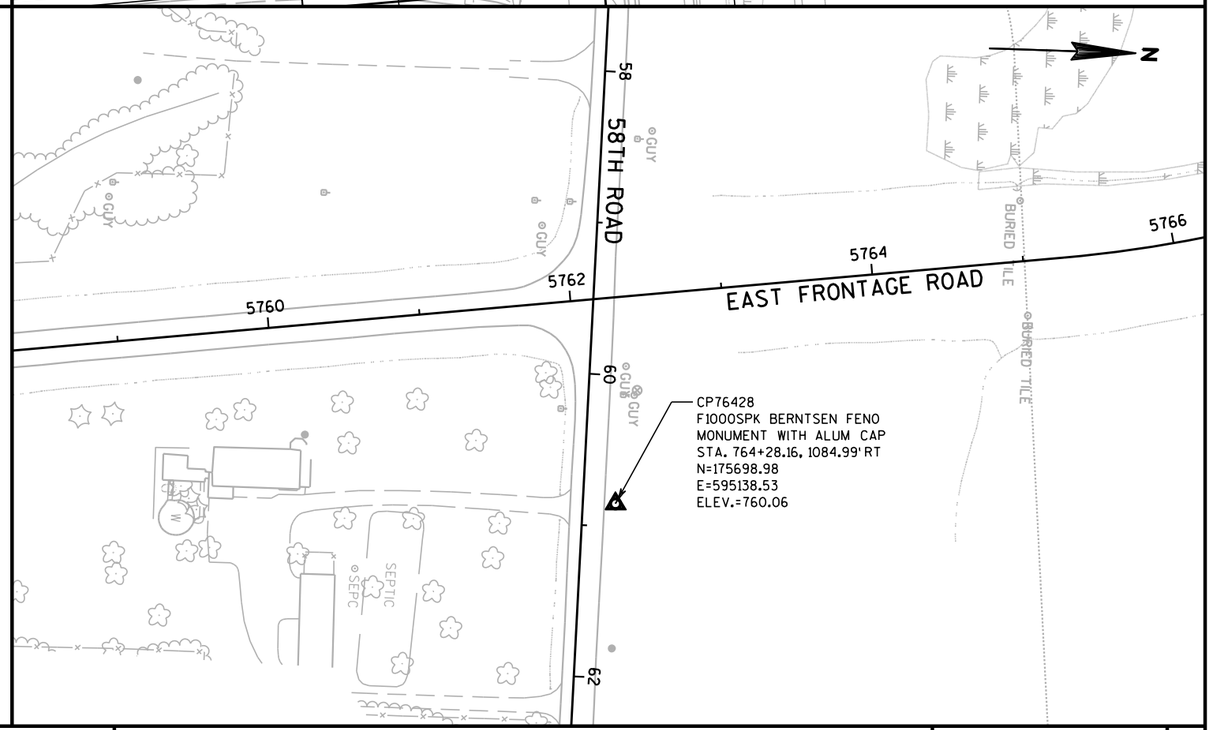
FILE NAME : P:\44xx\4444_DP.I94.RAC\Racine\CADDS\WZ Prep_142-G\CDS\027220_AD.dgn PLOT DATE : 11/16/2017 PLOT BY : kjd PLOT NAME : PLOT SCALE : 1:100

WISDOT/CADDS SHEET 42









PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	SURVEY CONTROL	SHEET 205	E

2

N

CP79509
F1000SPK BERNTSEN FENO
MONUMENT WITH ALUM CAP
STA. 795+09.21, 355.18'LT
N=178777.74
E=593693.47
ELEV.=763.56

CP78638
F1000SPK BERNTSEN FENO
MONUMENT WITH ALUM CAP
STA. 786+38.07, 235.76'LT
N=177906.79
E=593814.27
ELEV.=774.87

POOL
FOUND
SIGN
SEPTIC
SEPTIC
MH
SIGN
SIGN
SIGN

LEETSBIR ROAD

WEST FRONTAGE ROAD

SIGN
SIGN

IH 94 SB

784 INL 786 INL 788 INL 790 W 792 INL 794 SIGN 796 INL 798 INL

IH 94 NB

SIGN
INL
SIGN

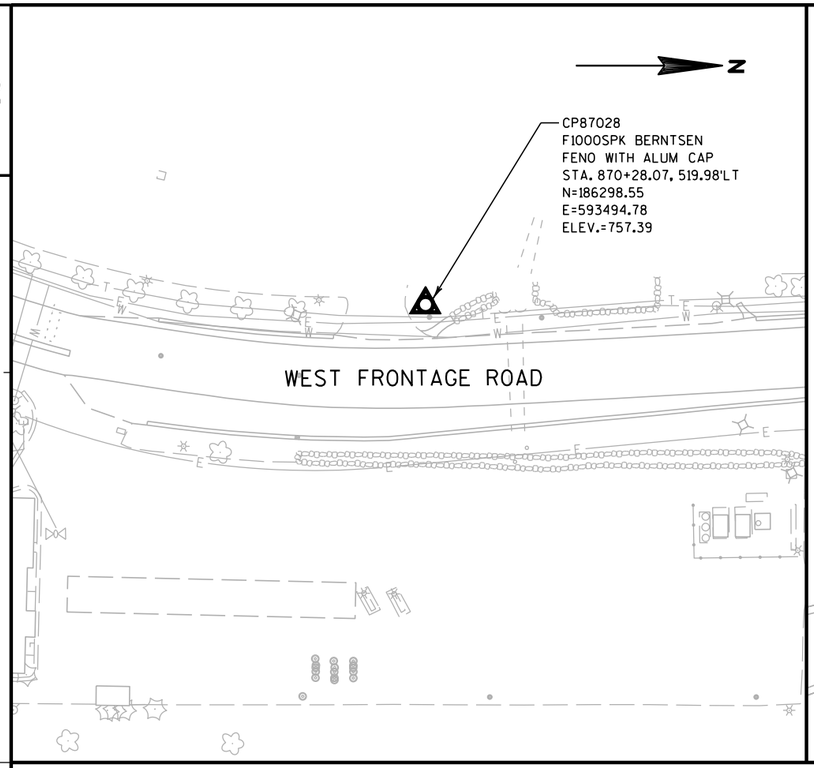
EAST FRONTAGE ROAD

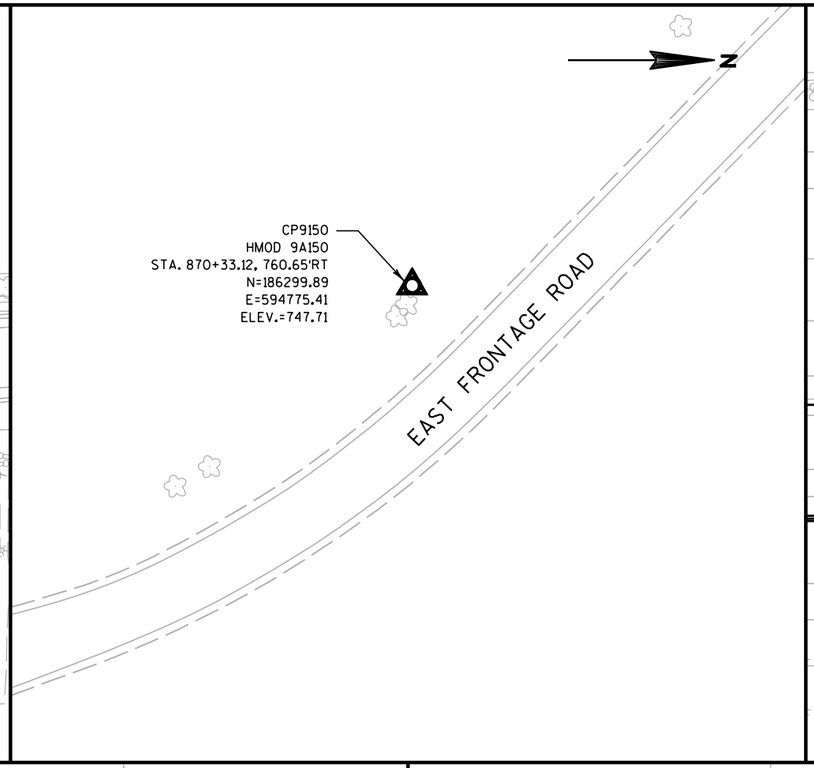
LOUIS SORENSON ROAD

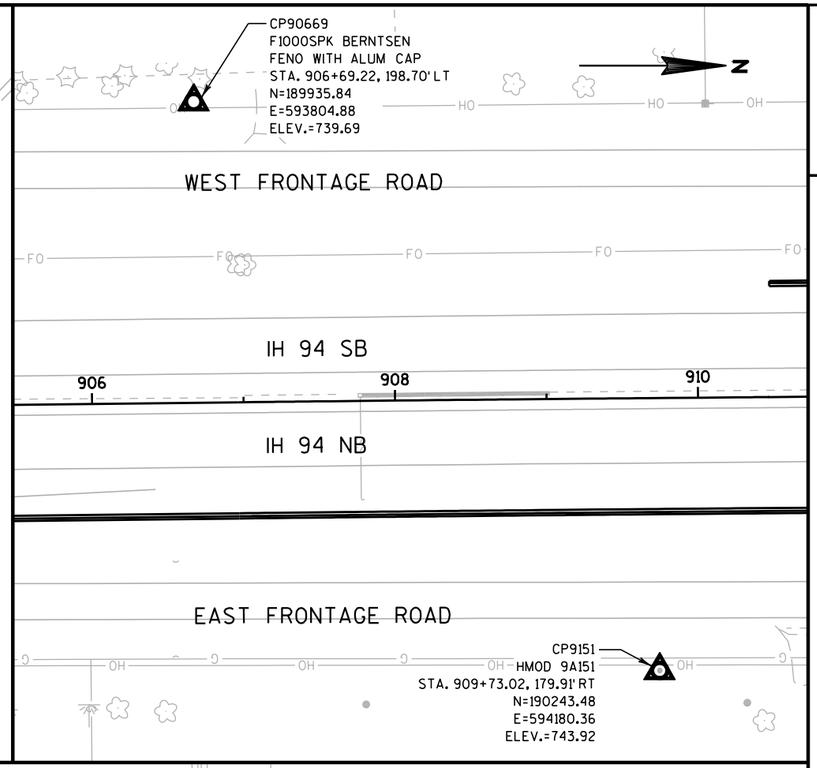
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PROJECT NO: 1035-04-71	HWY: IH 94	COUNTY: RACINE	SURVEY CONTROL	SHEET 206	E

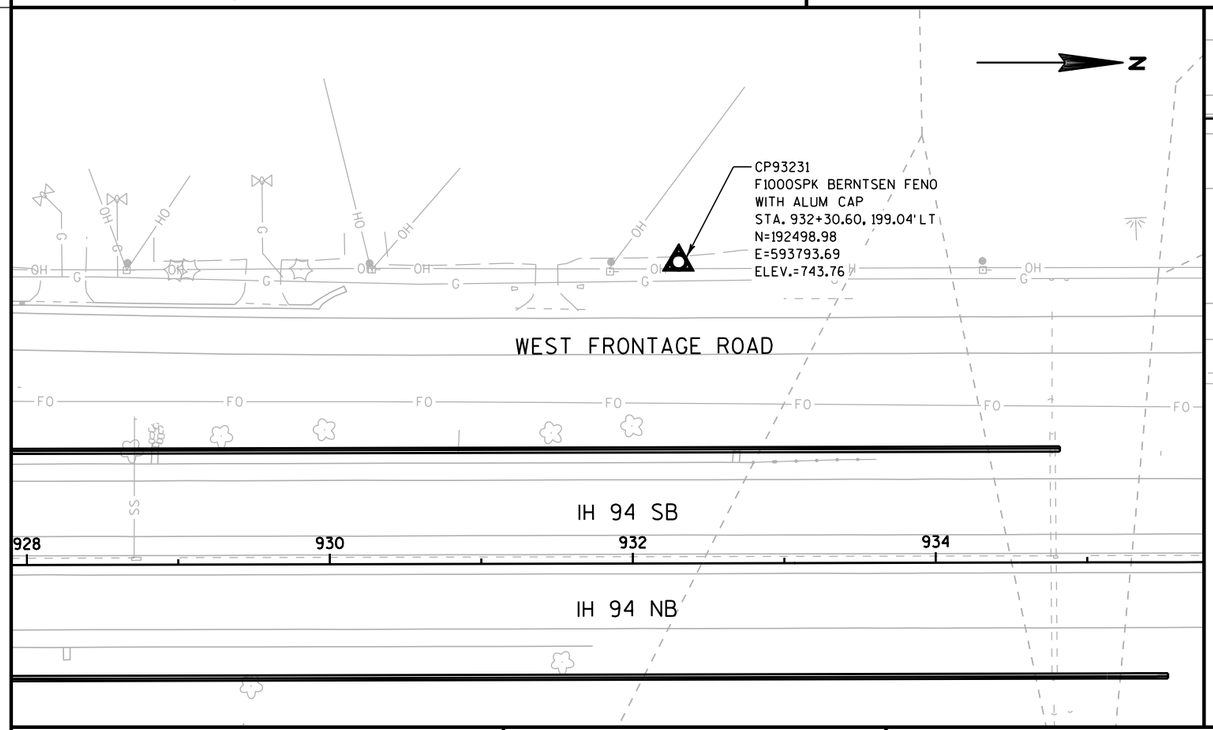
FILE NAME : P:\44xx\4444_DP.I94.RAC\Racine\CADDS\WZ Prep_142-G\CDS\027222_AD.dgn PLOT DATE : 11/16/2017 PLOT BY : kjd PLOT NAME : PLOT SCALE : 1:100

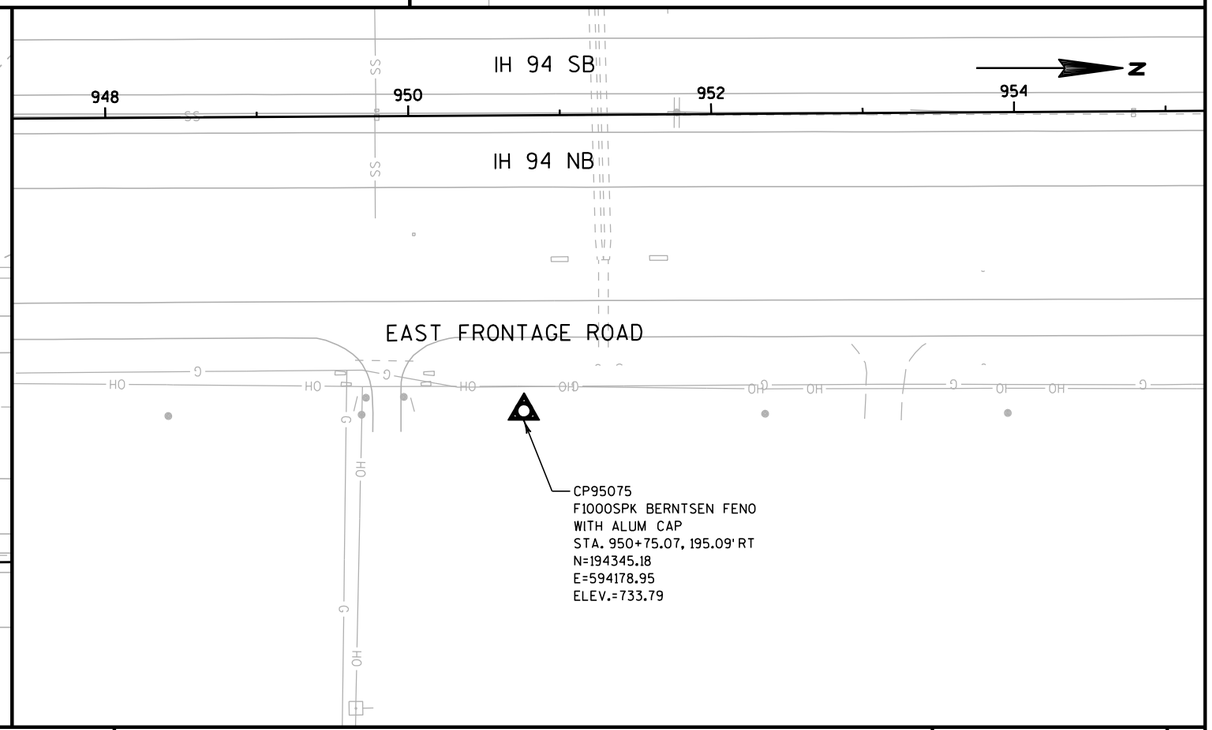






2





PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	SURVEY CONTROL	SHEET	E

FILE NAME : P:\44xx\4444_DP.I94.RAC\Racine\CADDS\WZ Prep_142-G\CDS\027223_AD.dgn PLOT DATE : 11/16/2017 PLOT BY : kjd PLOT NAME : PLOT SCALE : 1:100

2

N

CP96353
F1000SPK BERNTSEN FENO
WITH ALUM CAP
STA. 963+52.77, 191.78' LT
N=195620.30
E=593783.67
ELEV.=743.20

WEST FRONTAGE ROAD

962 964 966 968

IH 94 SB

IH 94 NB

EAST FRONTAGE ROAD

N

CP97736
F1000SPK BERNTSEN FENO
WITH ALUM CAP
STA. 977+36.35, 259.60' LT
N=197003.40
E=593706.73
ELEV.=768.16

WEST FRONTAGE ROAD

976 978 980 982

IH 94 SB

IH 94 NB

EAST FRONTAGE ROAD

CP9152
HMOD 9A152
STA. 980+10.01, 199.55' RT
N=197280.08
E=594164.07
ELEV.=774.44

2

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	SURVEY CONTROL	SHEET	E

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2

N

WEST FRONTAGE ROAD

IH 94 SB

950 952 954

IH 94 NB

EAST FRONTAGE ROAD

CP95075
F1000SPK BERNTSEN FENO WITH ALUM CAP
STA. 950+75.07, 195.09' RT
N=194345.18
E=594178.95
ELEV.=733.79

N

CP96353
F1000SPK BERNTSEN FENO WITH ALUM CAP
STA. 963+52.77, 191.78' LT
N=195620.30
E=593783.67
ELEV.=743.20

WEST FRONTAGE ROAD

IH 94 SB

962 964 966

IH 94 NB

EAST FRONTAGE ROAD

N

CP97736
F1000SPK BERNTSEN FENO WITH ALUM CAP
STA. 977+36.35, 259.60' LT
N=197003.40
E=593706.73
ELEV.=768.16

WEST FRONTAGE ROAD

IH 94 SB

978 980

IH 94 NB

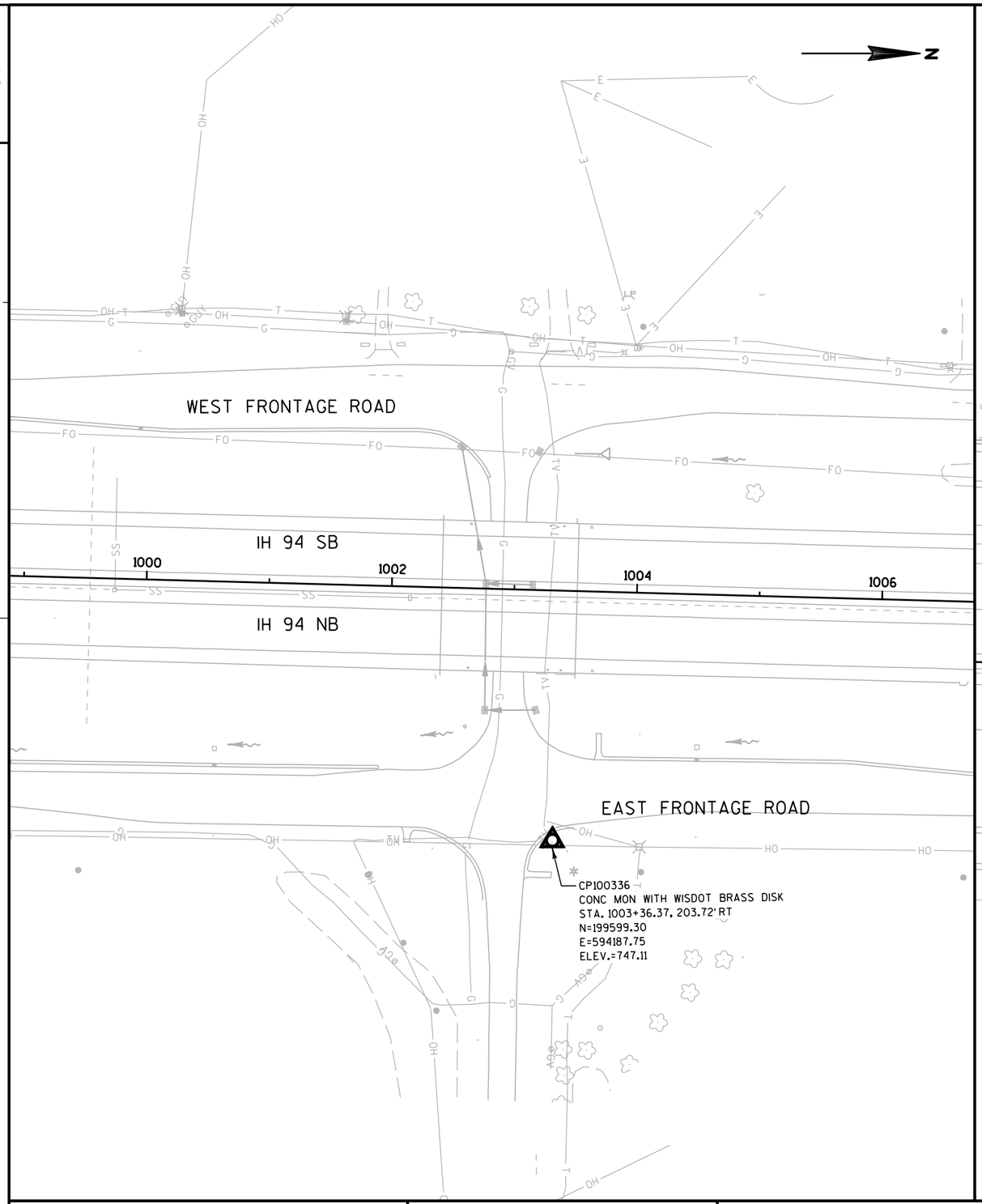
EAST FRONTAGE ROAD

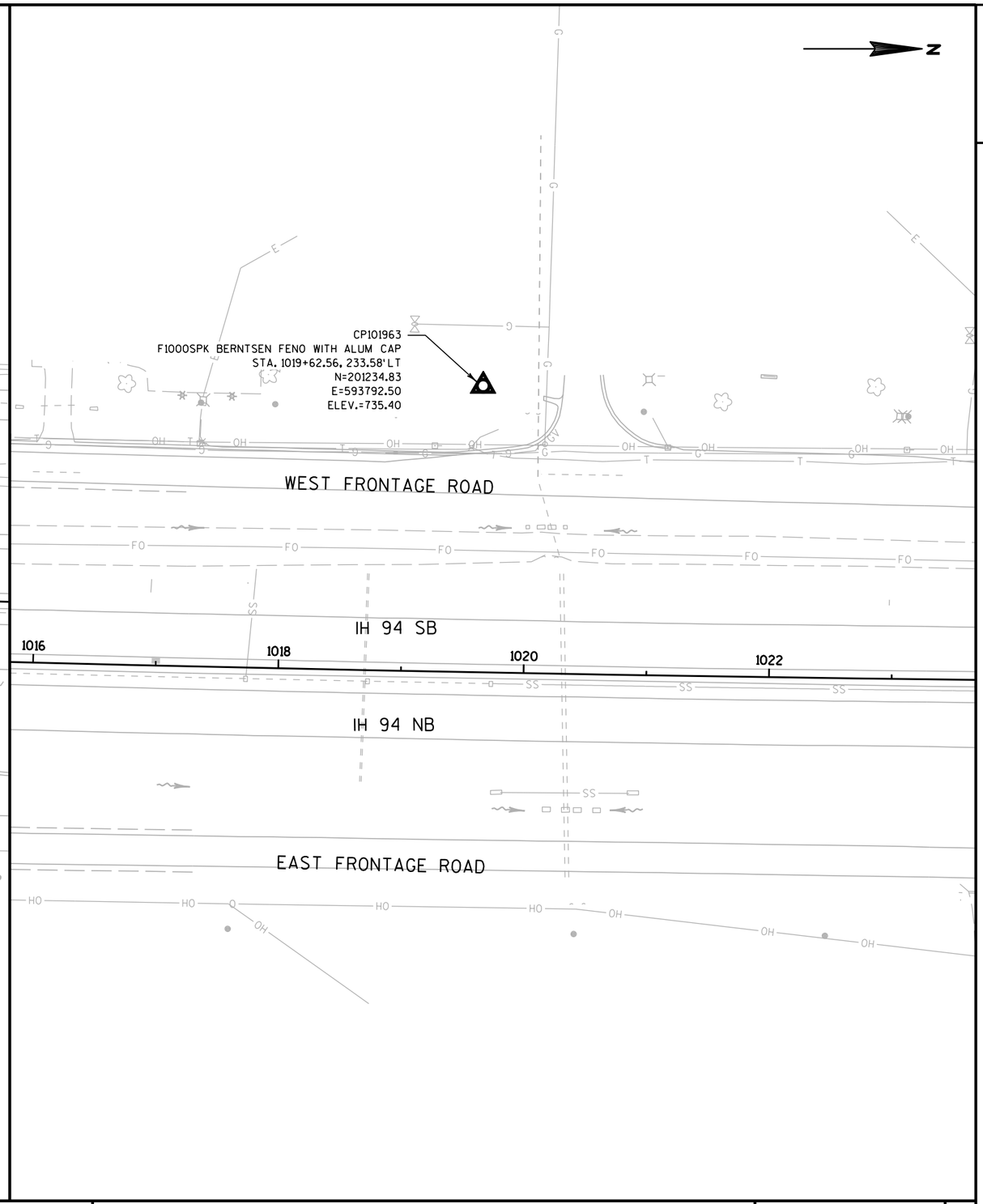
CP9152
HMOD 9A152
STA. 980+10.01, 199.55' RT
N=197280.08
E=594164.07
ELEV.=774.44

2

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	SURVEY CONTROL	SHEET	E

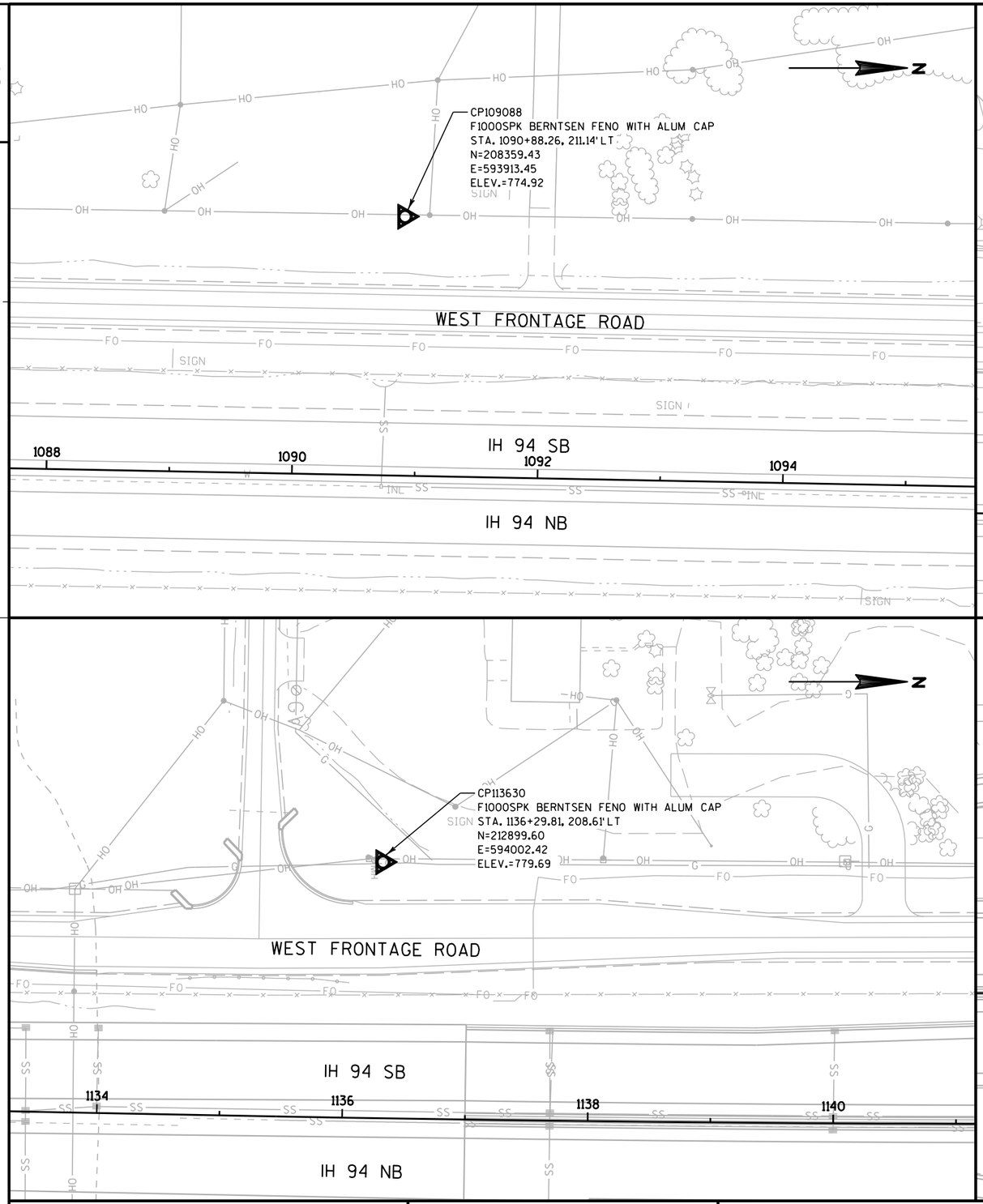
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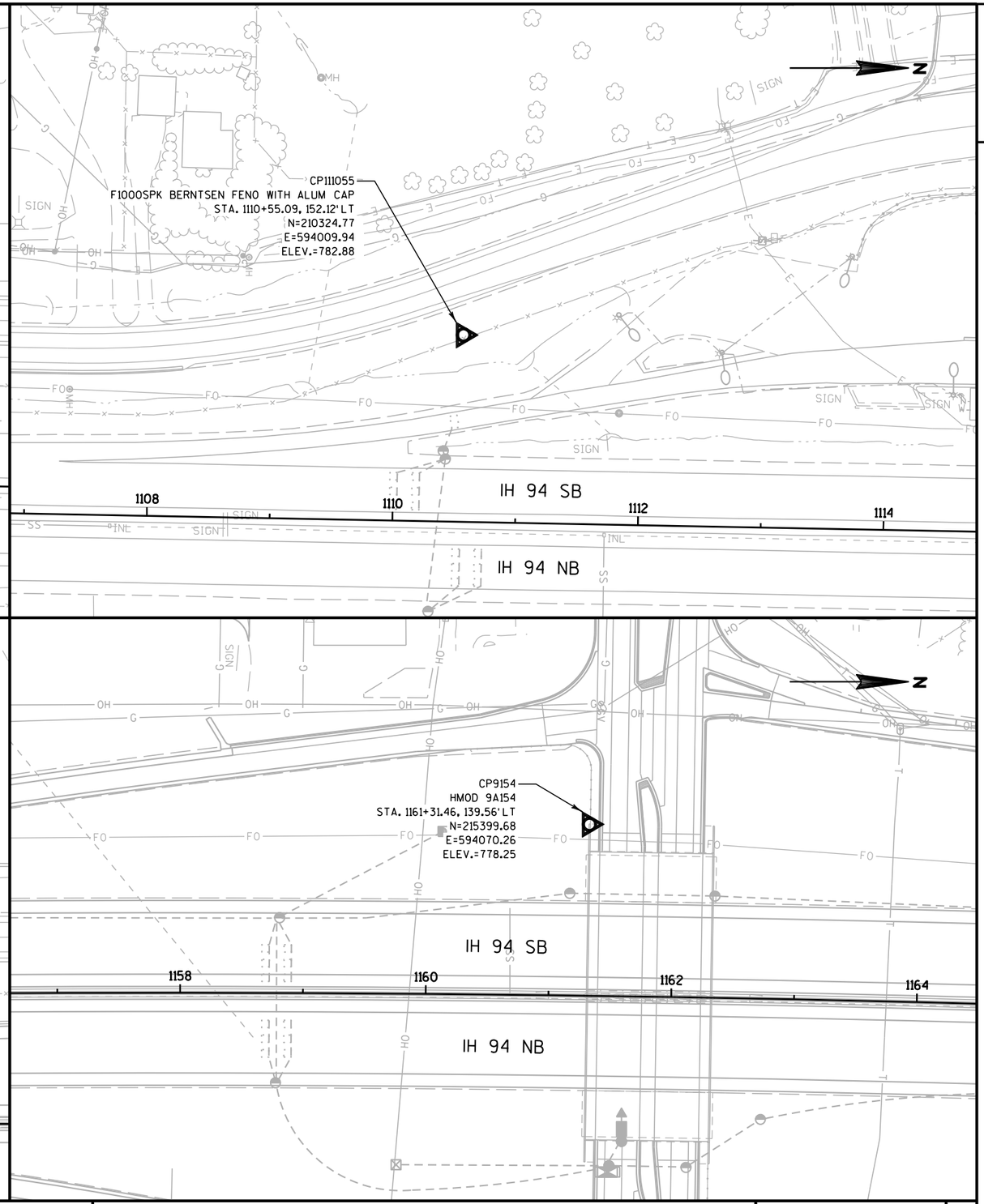




PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	SURVEY CONTROL	SHEET 210	E

2





PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	SURVEY CONTROL	SHEET 211	E

1035-04-71

Line	Item	Item Description	Unit	Total	Qty
0002	108.4400	CPM Progress Schedule	EACH	1.000	1.000
0004	204.0100	Removing Pavement	SY	4,627.000	4,627.000
0006	204.0105	Removing Pavement Butt Joints	SY	132.000	132.000
0008	204.0109.S	Removing Concrete Surface Partial Depth	SF	509,457.000	509,457.000
0010	204.0115	Removing Asphaltic Surface Butt Joints	SY	350.000	350.000
0012	204.0120	Removing Asphaltic Surface Milling	SY	927.000	927.000
0014	204.0150	Removing Curb & Gutter	LF	341.000	341.000
0016	204.0157	Removing Concrete Barrier	LF	14,873.000	14,873.000
0018	204.0170	Removing Fence	LF	1,200.000	1,200.000
0020	204.0180	Removing Delineators and Markers	EACH	57.000	57.000
0022	204.0220	Removing Inlets	EACH	6.000	6.000
0024	204.0245	Removing Storm Sewer (size) 002. 6-Inch	LF	1,082.000	1,082.000
0026	204.0245	Removing Storm Sewer (size) 006. 15-Inch	LF	394.000	394.000
0028	204.0245	Removing Storm Sewer (size) 008. 18-Inch	LF	124.000	124.000
0030	204.0245	Removing Storm Sewer (size) 020. 42-Inch	LF	26.000	26.000
0032	204.0280	Sealing Pipes	EACH	16.000	16.000
0034	204.9060.S	Removing (item description) 003. Slotted Vane Drain	EACH	34.000	34.000
0036	204.9105.S	Removing (item description) 001. Sign Structure S-51-203	LS	1.000	1.000
0038	204.9105.S	Removing (item description) 002. Sign Structure S-51-200	LS	1.000	1.000
0040	204.9105.S	Removing (item description) 003. Sign Structure S-51-201	LS	1.000	1.000
0042	204.9105.S	Removing (item description) 004. Sign Structure S-51-202	LS	1.000	1.000
0044	204.9105.S	Removing (item description) 010. Sign Structure S-30-205	LS	1.000	1.000
0046	204.9105.S	Removing (item description) 011. Sign Structure S-30-206	LS	1.000	1.000
0048	205.0100	Excavation Common	CY	26,467.000	26,467.000
0050	209.0200.S	Backfill Controlled Low Strength	CY	335.000	335.000
0052	209.2500	Backfill Granular Grade 2	TON	220.000	220.000
0054	213.0100	Finishing Roadway (project) 080. 1035-04-71	EACH	1.000	1.000
0056	305.0110	Base Aggregate Dense 3/4-Inch	TON	1,770.000	1,770.000
0058	305.0120	Base Aggregate Dense 1 1/4-Inch	TON	28,335.000	28,335.000
0060	312.0110	Select Crushed Material	TON	23,808.000	23,808.000
0062	390.0203	Base Patching Asphaltic	SY	500.000	500.000
0064	390.0303	Base Patching Concrete	SY	15,819.000	15,819.000
0066	390.0403	Base Patching Concrete Shes	SY	1,620.000	1,620.000
0068	416.0610	Drilled Tie Bars	EACH	12,221.000	12,221.000
0070	416.0620	Drilled Dowel Bars	EACH	26,725.000	26,725.000

1035-04-71

Line	Item	Item Description	Unit	Total	Qty
0072	416.1710	Concrete Pavement Repair	SY	15,127.000	15,127.000
0074	416.1715	Concrete Pavement Repair SHES	SY	200.000	200.000
0076	450.1100.S	Asphaltic Mixture For Extreme Conditions	TON	220.000	220.000
0078	450.4000	HMA Cold Weather Paving	TON	5,901.000	5,901.000
0080	455.0605	Tack Coat	GAL	7,369.000	7,369.000
0082	460.2000	Incentive Density HMA Pavement	DOL	8,017.000	8,017.000
0084	460.6223	HMA Pavement 3 MT 58-28 S	TON	12,523.000	12,523.000
0086	465.0125	Asphaltic Surface Temporary	TON	11,304.000	11,304.000
0088	495.1000.S	Cold patch	TON	110.000	110.000
0090	511.1100	Temporary Shoring	SF	1,000.000	1,000.000
0092	511.2300	Temp Shoring Left in Place (location) 001. STH 142 to CTH E	SF	780.000	780.000
0094	511.2300	Temp Shoring Left in Place (location) 002. CTH E SB Exit Ramp	SF	1,463.000	1,463.000
0096	511.2300	Temp Shoring Left in Place (location) 003. CTH KR SB Exit Ramp	SF	1,725.000	1,725.000
0098	511.2300	Temp Shoring Left in Place (location) 004. STH 11 SB Entrance Ramp	SF	1,600.000	1,600.000
0100	520.4018	Culvert Pipe Temporary 18-Inch	LF	126.000	126.000
0102	520.4042	Culvert Pipe Temporary 42-Inch	LF	26.000	26.000
0104	521.1518	Apron Endwalls for Culvert Pipe Sloped Side Drains Steel 18-Inch 6 to 1	EACH	3.000	3.000
0106	603.8000	Concrete Barrier Temporary Precast Delivered	LF	87,339.000	87,339.000
0108	603.8125	Concrete Barrier Temporary Precast Installed	LF	205,346.500	205,346.500
0110	606.0200	Riprap Medium	CY	10.000	10.000
0112	608.0315	Storm Sewer Pipe Reinforced Concrete Class III 15-Inch	LF	15.000	15.000
0114	608.0415	Storm Sewer Pipe Reinforced Concrete Class IV 15-Inch	LF	289.000	289.000
0116	608.0418	Storm Sewer Pipe Reinforced Concrete Class IV 18-Inch	LF	46.000	46.000
0118	608.0424	Storm Sewer Pipe Reinforced Concrete Class IV 24-Inch	LF	314.000	314.000
0120	608.0436	Storm Sewer Pipe Reinforced Concrete Class IV 36-Inch	LF	1,168.000	1,168.000
0122	608.0442	Storm Sewer Pipe Reinforced Concrete Class IV 42-Inch	LF	25.000	25.000
0124	608.2329	Storm Sewer Pipe Reinforced Concrete Horizontal Elliptical Class HE-III 29x45-Inch	LF	41.000	41.000
0126	608.2334	Storm Sewer Pipe Reinforced Concrete Horizontal Elliptical Class HE-III 34x53-Inch	LF	240.000	240.000
0128	611.0430	Reconstructing Inlets	EACH	9.000	9.000

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Line	Item	Item Description	Unit	Total	Qty
0130	611.0535	Manhole Covers Type J-Special	EACH	1.000	1.000
0132	611.0610	Inlet Covers Type BW	EACH	33.000	33.000
0134	611.2005	Manholes 5-FT Diameter	EACH	3.000	3.000
0136	611.2006	Manholes 6-FT Diameter	EACH	8.000	8.000
0138	611.2008	Manholes 8-FT Diameter	EACH	5.000	5.000
0140	611.3003	Inlets 3-FT Diameter	EACH	9.000	9.000
0142	611.3004	Inlets 4-FT Diameter	EACH	6.000	6.000
0144	611.3225	Inlets 2x2.5-FT	EACH	3.000	3.000
0146	611.8120.S	Cover Plates Temporary	EACH	2.000	2.000
0148	612.0404	Pipe Underdrain Wrapped 4-Inch	LF	1,640.000	1,640.000
0150	612.0600	Underdrain Trench	LF	1,640.000	1,640.000
0152	612.0700	Drain Tile Exploration	LF	200.000	200.000
0154	614.0905	Crash Cushions Temporary	EACH	42.000	42.000
0156	614.0920	Salvaged Rail	LF	549.000	549.000
0158	614.0925	Salvaged Guardrail End Treatments	EACH	7.000	7.000
0160	614.0930	Salvaged Crash Cushions	EACH	2.000	2.000
0162	616.0700.S	Fence Safety	LF	1,200.000	1,200.000
0164	618.0100	Maintenance And Repair of Haul Roads (project) 043. 1035-04-71	EACH	1.000	1.000
0166	619.1000	Mobilization	EACH	1.000	1.000
0168	623.0200	Dust Control Surface Treatment	SY	47,443.000	47,443.000
0170	624.0100	Water	MGAL	578.000	578.000
0172	625.0100	Topsoil	SY	20,299.000	20,299.000
0174	627.0200	Mulching	SY	2,000.000	2,000.000
0176	628.1104	Erosion Bales	EACH	50.000	50.000
0178	628.1504	Silt Fence	LF	2,671.000	2,671.000
0180	628.1520	Silt Fence Maintenance	LF	2,671.000	2,671.000
0182	628.1905	Mobilizations Erosion Control	EACH	22.000	22.000
0184	628.1910	Mobilizations Emergency Erosion Control	EACH	22.000	22.000
0186	628.2004	Erosion Mat Class I Type B	SY	15,033.000	15,033.000
0188	628.2008	Erosion Mat Urban Class I Type B	SY	5,101.000	5,101.000
0190	628.7005	Inlet Protection Type A	EACH	25.000	25.000
0192	628.7010	Inlet Protection Type B	EACH	33.000	33.000
0194	628.7015	Inlet Protection Type C	EACH	2.000	2.000
0196	628.7020	Inlet Protection Type D	EACH	190.000	190.000
0198	628.7504	Temporary Ditch Checks	LF	1,023.000	1,023.000
0200	628.7555	Culvert Pipe Checks	EACH	130.000	130.000
0202	628.7560	Tracking Pads	EACH	12.000	12.000
0204	628.7570	Rock Bags	EACH	421.000	421.000
0206	629.0210	Fertilizer Type B	CWT	17.600	17.600

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Line	Item	Item Description	Unit	Total	Qty
0208	630.0120	Seeding Mixture No. 20	LB	250.000	250.000
0210	630.0200	Seeding Temporary	LB	686.000	686.000
0212	634.0618	Posts Wood 4x6-Inch X 18-FT	EACH	46.000	46.000
0214	634.0622	Posts Wood 4x6-Inch X 22-FT	EACH	12.000	12.000
0216	638.2101	Moving Signs Type I	EACH	4.000	4.000
0218	638.2102	Moving Signs Type II	EACH	95.000	95.000
0220	638.2601	Removing Signs Type I	EACH	12.000	12.000
0222	638.2602	Removing Signs Type II	EACH	22.000	22.000
0224	638.3000	Removing Small Sign Supports	EACH	27.000	27.000
0226	638.3100	Removing Structural Steel Sign Supports	EACH	4.000	4.000
0228	643.0300	Traffic Control Drums	DAY	74,557.000	74,557.000
0230	643.0420	Traffic Control Barricades Type III	DAY	1,396.000	1,396.000
0232	643.0705	Traffic Control Warning Lights Type A	DAY	1,980.000	1,980.000
0234	643.0715	Traffic Control Warning Lights Type C	DAY	14,197.000	14,197.000
0236	643.0800	Traffic Control Arrow Boards	DAY	547.000	547.000
0238	643.0900	Traffic Control Signs	DAY	17,565.000	17,565.000
0240	643.0910	Traffic Control Covering Signs Type I	EACH	12.000	12.000
0242	643.0920	Traffic Control Covering Signs Type II	EACH	52.000	52.000
0244	643.1050	Traffic Control Signs PCMS	DAY	287.000	287.000
0246	643.1051	Traffic Control Signs PCMS with Cellular Communications	DAY	200.000	200.000
0248	643.1055.S	Truck or Trailer Mounted Attenuator	DAY	63.000	63.000
0250	643.5000	Traffic Control	EACH	1.000	1.000
0252	645.0120	Geotextile Type HR	SY	33.000	33.000
0254	646.1005	Marking Line Paint 4-Inch	LF	421,122.000	421,122.000
0256	646.1020	Marking Line Epoxy 4-Inch	LF	50,000.000	50,000.000
0258	646.3005	Marking Line Paint 8-Inch	LF	16,562.000	16,562.000
0260	646.3020	Marking Line Epoxy 8-Inch	LF	4,000.000	4,000.000
0262	646.6464.S	Cold Weather Marking Epoxy 4-Inch	LF	20,000.000	20,000.000
0264	646.6468.S	Cold Weather Marking Epoxy 8-Inch	LF	1,000.000	1,000.000
0266	646.9000	Marking Removal Line 4-Inch	LF	188,157.000	188,157.000
0268	646.9010	Marking Removal Line Water Blasting 4-Inch	LF	41,019.000	41,019.000
0270	646.9100	Marking Removal Line 8-Inch	LF	4,000.000	4,000.000
0272	646.9110	Marking Removal Line Water Blasting 8-Inch	LF	4,000.000	4,000.000
0274	646.9200	Marking Removal Line Wide	LF	500.000	500.000
0276	646.9210	Marking Removal Line Water Blasting Wide	LF	1,768.000	1,768.000
0278	646.9300	Marking Removal Special Marking	EACH	2.000	2.000
0280	646.9310	Marking Removal Special Marking Water Blasting	EACH	4.000	4.000
0282	649.0150	Temporary Marking Line Removable Tape 4-Inch	LF	18,072.000	18,072.000
0284	649.0505	Temporary Marking Arrow Paint	EACH	8.000	8.000

1035-04-71

Line	Item	Item Description	Unit	Total	Qty
0286	649.0520	Temporary Marking Arrow Epoxy	EACH	8.000	8.000
0288	649.0760	Temporary Marking Raised Pavement Marker Type I	EACH	395.000	395.000
0290	653.0905	Removing Pull Boxes	EACH	5.000	5.000
0292	674.0300	Remove Cable	LF	610.000	610.000
0294	690.0150	Sawing Asphalt	LF	3,918.000	3,918.000
0296	690.0250	Sawing Concrete	LF	88,324.000	88,324.000
0298	ASP.1T0A	On-the-Job Training Apprentice at $5.00/HR	HRS	1,200.000	1,200.000
0300	ASP.1T0G	On-the-Job Training Graduate at $5.00/HR	HRS	2,000.000	2,000.000
0302	SPV.0035	Special 005. Backfill Slurry	CY	34.000	34.000
0304	SPV.0045	Special 001. Portable Speed Trailer	DAY	170.000	170.000
0306	SPV.0045	Special 002. Dynamic Late Merge System	DAY	170.000	170.000
0308	SPV.0060	Special 003. Cover Plate Left in Place	EACH	2.000	2.000
0310	SPV.0060	Special 016. Mobilization Emergency Pavement Repair	EACH	11.000	11.000
0312	SPV.0060	Special 027. Manholes 10-FT Diameter	EACH	3.000	3.000
0314	SPV.0060	Special 028. Sign Support Galvanized Posts, 8.5-FT	EACH	87.000	87.000
0316	SPV.0060	Special 040. Crash Cushions Temporary Left In Place	EACH	10.000	10.000
0318	SPV.0060	Special 052. Wedling Sewer Access Covers	EACH	29.000	29.000
0320	SPV.0060	Special 092. Reconnect Storm Sewer	EACH	18.000	18.000
0322	SPV.0060	Special 098. Maintain and Salvage Crash Cushions Temporary Left In Place	EACH	10.000	10.000
0324	SPV.0075	Special 090. Pavement Cleanup Project 1035-04-71	HRS	100.000	100.000
0326	SPV.0090	Special 017. Concrete Barrier Temporary Precast Delivered Special	LF	114,345.500	114,345.500
0328	SPV.0090	Special 018. Maintain Concrete Barrier Temporary Precast	LF	14,697.000	14,697.000
0330	SPV.0090	Special 052. Drain Slotted Vane Longitudinal	LF	5,284.000	5,284.000
0332	SPV.0090	Special 084. Heavy Duty Silt Fence	LF	9,923.000	9,923.000
0334	SPV.0090	Special 090. Temporary Glare Screen Left In Place	LF	54,800.000	54,800.000
0336	SPV.0105	Special 089. Survey Project ID 1035-04-71	LS	1.000	1.000
0338	SPV.0135	Special 001. Field Office Special	MON	3.000	3.000
0340	SPV.0170	Special 002. Removal and Disposal of Invasive Plant Species	STA	6.000	6.000
0342	SPV.0180	Special 004. Removing Concrete Rumble Strips	SY	5,061.000	5,061.000
0344	SPV.0180	Special 013. Profile Milling	SY	57,556.000	57,556.000
0346	SPV.0195	Special 004. HMA Longitudinal Joint Repair	TON	1,100.000	1,100.000

3

CPM PROGRESS SCHEDULE

CATEGORY	LOCATION	STATION	TO	STATION	108.4400 CPM PROGRESS SCHEDULE EACH
1000	IH 41, STH 142 TO CTH G	486+00		1137+00	1
	TOTALS				1

* ADDITIONAL QUANTITIES LISTED ELSEWHERE

REMOVING PAVEMENT

CATEGORY	LOCATION	STATION	TO	STATION	204.0100* REMOVING PAVEMENT SY	204.0105 REMOVING PAVEMENT BUTT JOINTS SY	204.0109.S REMOVING CONCRETE SURFACE PARTIAL DEPTH SF
1000	STH 142 TO CTH E	486+00		525+00	--	--	32,300
	CTH E INTERCHANGE MAINLINE	525+00		582+00	700	--	44,886
	CTH E TO CTH KR	582+00		632+50	--	--	50,500
	CTH KR INTERCHANGE MAINLINE	632+50		683+50	--	24	40,883
	CTH KR TO STH 11	683+50		730+00	--	18	45,773
	STH 11 INTERCHANGE MAINLINE	730+00		783+00	--	18	39,108
	STH 11 TO STH 20	783+00		829+00	--	6	36,967
	STH 20 INTERCHANGE MAINLINE	829+00		895+00	--	--	--
	STH 20 TO CTH K (SOUTH)	895+00		968+00	3,434	36	75,201
	STH 20 TO CTH K (NORTH)	968+00		1024+00	--	18	54,855
	CTH K INTERCHANGE MAINLINE	1024+00		1093+00	40	--	50,010
	CTH K TO CTH G	1093+00		1137+00	--	12	38,974
	TOTALS				4,174	132	509,457

* ADDITIONAL QUANTITIES LISTED ELSEWHERE

3

REMOVING ASPHALTIC SURFACE

CATEGORY	LOCATION	STATION	TO	STATION	204.0115 REMOVING ASPHALTIC SURFACE BUTT JOINTS SY	204.0120 REMOVING ASPHALTIC SURFACE MILLING SY
1000	STH 142 TO CTH E	486+00		525+00	25	--
	CTH E INTERCHANGE MAINLINE	525+00		582+00	50	--
	CTH E TO CTH KR	582+00		632+50	--	--
	CTH KR INTERCHANGE MAINLINE	632+50		683+50	50	334
	CTH KR TO STH 11	683+50		730+00	--	593
	STH 11 INTERCHANGE MAINLINE	730+00		783+00	50	--
	STH 11 TO STH 20	783+00		829+00	25	--
	STH 20 INTERCHANGE MAINLINE	829+00		895+00	--	--
	STH 20 TO CTH K (SOUTH)	895+00		968+00	50	--
	STH 20 TO CTH K (NORTH)	968+00		1024+00	25	--
	CTH K INTERCHANGE MAINLINE	1024+00		1093+00	50	--
	CTH K TO CTH G	1093+00		1137+00	25	--
	TOTALS				350	927

* ADDITIONAL QUANTITIES LISTED ELSEWHERE

CURB & GUTTER REMOVAL

CATEGORY	LOCATION	STATION	TO	STATION	204.0150 REMOVING CURB & GUTTER LF
1000	STH 142 TO CTH E	486+00		525+00	--
	CTH E INTERCHANGE MAINLINE	525+00		582+00	341
	CTH E TO CTH KR	582+00		632+50	--
	CTH KR INTERCHANGE MAINLINE	632+50		683+50	--
	CTH KR TO STH 11	683+50		730+00	--
	STH 11 INTERCHANGE MAINLINE	730+00		783+00	--
	STH 11 TO STH 20	783+00		829+00	--
	STH 20 INTERCHANGE MAINLINE	829+00		895+00	--
	STH 20 TO CTH K (SOUTH)	895+00		968+00	--
	STH 20 TO CTH K (NORTH)	968+00		1024+00	--
	CTH K INTERCHANGE MAINLINE	1024+00		1093+00	--
	CTH K TO CTH G	1093+00		1137+00	--
	TOTAL				341

* ADDITIONAL QUANTITIES LISTED ELSEWHERE

3

REMOVING BARRIER

CATEGORY	LOCATION	STATION	TO STATION	204.0157* REMOVING CONCRETE BARRIER LF	COMMENTS
1000	STH 142 TO CTH E	486+00	525+00	--	
	CTH E INTERCHANGE MAINLINE	525+00	582+00	1,050	MEDIAN BARRIER
	CTH E TO CTH KR	582+00	632+50	--	
	CTH KR INTERCHANGE MAINLINE	632+50	683+50	--	
	CTH KR TO STH 11	683+50	730+00	--	
	STH 11 INTERCHANGE MAINLINE	730+00	783+00	--	
	STH 11 TO STH 20	783+00	829+00	--	
	STH 20 INTERCHANGE MAINLINE	829+00	895+00	4,100	MEDIAN BARRIER
	STH 20 TO CTH K (SOUTH)	895+00	968+00	--	
	STH 20 TO CTH K (NORTH)	968+00	1024+00	--	
	CTH K INTERCHANGE MAINLINE	1024+00	1093+00	--	
	CTH K TO CTH G	1093+00	1137+00	9,135	INCLUDES BARRIER REMOVAL FOR CROSSOVER CONSTRUCTION
	TOTAL			14,285	

* ADDITIONAL QUANTITIES LISTED ELSEWHERE

REMOVING FENCE

CATEGORY	LOCATION	STATION	TO STATION	204.0170 REMOVING FENCE LF
1000	STH 142 TO CTH E	486+00	525+00	100
	CTH E INTERCHANGE MAINLINE	525+00	582+00	100
	CTH E TO CTH KR	582+00	632+50	100
	CTH KR INTERCHANGE MAINLINE	632+50	683+50	100
	CTH KR TO STH 11	683+50	730+00	100
	STH 11 INTERCHANGE MAINLINE	730+00	783+00	100
	STH 11 TO STH 20	783+00	829+00	100
	STH 20 INTERCHANGE MAINLINE	829+00	895+00	100
	STH 20 TO CTH K (SOUTH)	895+00	968+00	100
	STH 20 TO CTH K (NORTH)	968+00	1024+00	100
	CTH K INTERCHANGE MAINLINE	1024+00	1093+00	100
	CTH K TO CTH G	1093+00	1137+00	100
	TOTAL			1,200

* ADDITIONAL QUANTITIES LISTED ELSEWHERE

3

REMOVING DELINEATORS AND MARKERS

CATEGORY	LOCATION	STATION	TO STATION	204.0180 REMOVING DELINEATORS AND MARKERS EACH
1000	STH 142 TO CTH E	486+00	525+00	--
	CTH E INTERCHANGE MAINLINE	525+00	582+00	--
	CTH E TO CTH KR	582+00	632+50	--
	CTH KR INTERCHANGE MAINLINE	632+50	683+50	4
	CTH KR TO STH 11	683+50	730+00	4
	STH 11 INTERCHANGE MAINLINE	730+00	783+00	4
	STH 11 TO STH 20	783+00	829+00	--
	STH 20 INTERCHANGE MAINLINE	829+00	895+00	--
	STH 20 TO CTH K (SOUTH)	895+00	968+00	12
	STH 20 TO CTH K (NORTH)	968+00	1024+00	14
	CTH K INTERCHANGE MAINLINE	1024+00	1093+00	10
	CTH K TO CTH G	1093+00	1137+00	9
	TOTAL			57

* ADDITIONAL QUANTITIES LISTED ELSEWHERE

REMOVING INLETS

CATEGORY	LOCATION	STATION	TO STATION	204.0220 REMOVING INLETS EACH
1000	STH 142 TO CTH E	486+00	525+00	--
	CTH E INTERCHANGE MAINLINE	525+00	582+00	--
	CTH E TO CTH KR	582+00	632+50	--
	CTH KR INTERCHANGE MAINLINE	632+50	683+50	--
	CTH KR TO STH 11	683+50	730+00	--
	STH 11 INTERCHANGE MAINLINE	730+00	783+00	--
	STH 11 TO STH 20	783+00	829+00	--
	STH 20 INTERCHANGE MAINLINE	829+00	895+00	--
	STH 20 TO CTH K (SOUTH)	895+00	968+00	6
	STH 20 TO CTH K (NORTH)	968+00	1024+00	--
	CTH K INTERCHANGE MAINLINE	1024+00	1093+00	--
	CTH K TO CTH G	1093+00	1137+00	--
	TOTAL			6

* ADDITIONAL QUANTITIES LISTED ELSEWHERE

3

REMOVING STORM SEWER

CATEGORY	LOCATION	STATION	TO STATION	204.0245.002 REMOVING STORM SEWER 6-INCH LF	204.0245.006 REMOVING STORM SEWER 15-INCH LF	204.0245.008 REMOVING STORM SEWER 18-INCH LF	204.0245.020 REMOVING STORM SEWER 42-INCH LF
1000	STH 142 TO CTH E	486+00	525+00	--	--	--	--
	CTH E INTERCHANGE MAINLINE	525+00	582+00	--	--	--	--
	CTH E TO CTH KR	582+00	632+50	--	--	--	--
	CTH KR INTERCHANGE MAINLINE	632+50	683+50	--	--	--	--
	CTH KR TO STH 11	683+50	730+00	--	--	--	--
	STH 11 INTERCHANGE MAINLINE	730+00	783+00	--	--	--	--
	STH 11 TO STH 20	783+00	829+00	--	--	--	--
	STH 20 INTERCHANGE MAINLINE	829+00	895+00	--	--	--	--
	STH 20 TO CTH K (SOUTH)	895+00	968+00	1,082	259	96	26
	STH 20 TO CTH K (NORTH)	968+00	1024+00		135	28	--
	CTH K INTERCHANGE MAINLINE	1024+00	1093+00	--	--	--	--
	CTH K TO CTH G	1093+00	1137+00	--	--	--	--
	TOTALS			1,082	394	124	26

* ADDITIONAL QUANTITIES LISTED ELSEWHERE

VANE DRAIN REMOVALS

CATEGORY	LOCATION	STATION	TO STATION	204.0100* REMOVING PAVEMENT SY	204.9060.S.003 REMOVING SLOTTED VANE DRAIN EACH	390.0303* BASE PATCHING CONCRETE SY	611.0430 RECONSTRUCTING INLETS EACH	COMMENTS
1000	STH 142 TO CTH E	486+00	525+00	--	--	--	--	
	CTH E INTERCHANGE MAINLINE	525+00	582+00	--	--	--	3	
	CTH E TO CTH KR	582+00	632+50	80	16	208	3	
	CTH KR INTERCHANGE MAINLINE	632+50	683+50	35	7	91	1	
	CTH KR TO STH 11	683+50	730+00	15	3	39	1	
	STH 11 INTERCHANGE MAINLINE	730+00	783+00	20	4	52	1	
	STH 11 TO STH 20	783+00	829+00	--	--	--	--	
	STH 20 INTERCHANGE MAINLINE	829+00	895+00	--	--	--	--	
	STH 20 TO CTH K (SOUTH)	895+00	968+00	--	--	--	--	
	STH 20 TO CTH K (NORTH)	968+00	1024+00	5	1	13	--	
	CTH K INTERCHANGE MAINLINE	1024+00	1093+00	--	--	--	--	
	CTH K TO CTH G	1093+00	1137+00	15	3	39	--	
	TOTALS			170	34	442	9	

* ADDITIONAL QUANTITIES LISTED ELSEWHERE

3

REMOVING SIGN STRUCTURES

CATEGORY	LOCATION	STATION	204.9105.S.001 REMOVING SIGN STRUCTURE S-51-203 LS	204.9105.S.002 REMOVING SIGN STRUCTURE S-51-200 LS	204.9105.S.003 REMOVING SIGN STRUCTURE S-51-201 LS	204.9105.S.004 REMOVING SIGN STRUCTURE S-51-202 LS	204.9105.S.010 REMOVING SIGN STRUCTURE S-30-205 LS	204.9105.S.011 REMOVING SIGN STRUCTURE S-30-206 LS
1000	STH 142 TO CTH E	510+00	--	--	--	--	1	--
	CTH E TO CTH KR	607+00	--	--	--	--	--	1
	CTH KR TO STH 11	707+00	--	1	--	--	--	--
	STH 11 TO STH 20	794+30	--	--	1	--	--	--
	STH 20 TO CTH K (SOUTH)	951+78	--	--	--	1	--	--
	CTH K TO CTH G	1108+64	1	--	--	--	--	--
	TOTALS		1	1	1	1	1	1

* ADDITIONAL QUANTITIES LISTED ELSEWHERE

REMOVING SIGN BRIDGE NOTCH ITEMS

CATEGORY	LOCATION	STATION	204.0100* REMOVING PAVEMENT SY	204.0157* REMOVING CONCRETE BARRIER LF	209.0200.S* BACKFILL CONTROLLED LOW STRENGTH CY	305.0120* BASE AGGREGATE DENSE 1-1/4 INCH TON	465.0125* ASPHALTIC SURFACE TEMPORARY TON	SPV.0090.017* CONCRETE BARRIER TEMPORARY PRECAST DELIVERED SPECIAL LF	603.8125* CONCRETE BARRIER TEMPORARY PRECAST INSTALLED LF	690.0250* SAWING CONCRETE LF
1000	STH 142 TO CTH E	510+00	12	55	10	8	8	62.5	62.5	45
	CTH E TO CTH KR	607+00	12	55	10	8	8	62.5	62.5	45
	CTH KR TO STH 11	707+00	12	55	10	8	8	62.5	62.5	45
	STH 11 TO STH 20	794+30	12	55	10	45	8	62.5	62.5	45
	STH 20 TO CTH K (SOUTH)	951+78	223	313	10	78	193	345.0	345.0	660
	CTH K TO CTH G	1108+64	12	55	10	8	8	62.5	62.5	45
	TOTALS		283	588	60	155	233	657.5	657.5	885

* ADDITIONAL QUANTITIES LISTED ELSEWHERE

EARTHWORK SUMMARY

Division	From/To Station	Location	Common Excavation (1) (item # 205.0100)		Salvaged/ Unusable Pavement Material (4)	Available Material (5)	Unexpanded Fill	Expanded Fill (13)	Mass Ordinate +/- (14)	Waste	Borrow (15)	Comment:
			Cut (2)	EBS Excavation (3)				Factor 1.20			(item #208.0100)	
IH 41	478+50 to 485+50	Median	170	0	0	170	0	0	170			
IH 41	488+50 to 499+50	Shoulder	645	0	0	645	10	12	632			
			815	0								
SUBTOTAL			Total Common E	815	0	815	10	12	802	802	0	

1) Common Excavation is the sum of the Cut and EBS Excavation columns. Item number 205.0100
2) Salvaged/Unsuable Pavement Material is included in Cut.
3) EBS Excavation to be backfilled with Select Borrow material. Note: this is designers choice, can be backfilled with Borrow, or Cut as well.
4) Salvaged/Unusable Pavement Material
5) Available Material = Cut - Salvaged/Unusuable Pavement Material
13) Expanded Fill. Factor = 1.20
14) The Mass Ordinate + or - Qty calculated for the Division. Plus quantity indicates an excess of material within the Division. Minus indicates a shortage of material within the Division.
15) Borrow Excavation item number 208.0100

ALL ITEMS ARE CATEGORY **1000** UNLESS OTHERWISE SPECIFIED.

3

EARTHWORK SUMMARY

Division	From/To Station	Location	205.0100 Excavation Common (CY) (1)	EBS Excavation (CY) (3)	Salvaged/ Unusable Pavement Material (CY) (4)	Available Material (5)	EBS Backfill (CY) (6)	Unexpanded Fill	Expanded Fill (7)	Mass Ordinate +/- (8)	Waste	Borrow	Comment:
			Cut (2)				Factor 1.3		Factor 1.2			Item 208.0100	
1		MAINLINE											
	527+44 - 533+95	IH 41 SB WIDENING	728	0	0	728	0	0	0	728	728	0	
	539+83 - 543+24	IH 41 SB WIDENING	217	0	0	217	0	0	0	217	217	0	
	560+26 - 565+74	IH 41 SB WIDENING	211	0	0	211	0	15	18	193	193	0	
	566+38 - 584+40	IH 41 SB WIDENING	1,573	0	0	1,573	0	6	7	1,566	1,566	0	
	525+00 - 532+00	IH 41 MEDIAN CROSSOVER	197	0	78	119	0	0	0	119	119	0	
	567+50 - 571+00	IH 41 MEDIAN CROSSOVER	95	0	39	56	0	0	0	56	56	0	
Division 1 Subtotal Stage 1			3,021	0	117	2,904	0	21	25	2,879	2,879	0	
Total			3,021	0	117	2,904	0	21	25	2,879	2,879	0	

NOTES:

1) Common Excavation is the sum of the Cut and EBS Excavation columns. Item number 205.0100
2) Salvaged/Unsuable Pavement Material is included in Cut.
3) EBS Excavation to be backfilled with Borrow or Cut.
4) Salvaged/Unusable Pavement Material
5) Available Material = Cut - Salvaged/Unusuable Pavement Material
6) Expanded EBS Backfill - This is to be filled with Borrow or Cut material. EBS Backfill Factor = 1.3.
7) Expanded Fill. Factor = 1.20
8) The Mass Ordinate + or - Qty calculated for the Division. Plus quantity indicates an excess of material within the Division. Minus indicates a shortage of material within the Division.

EARTHWORK SUMMARY

Division	From/To Station	Location	*Common Excavation (1) Cut (2)	(item # 205.0100) EBS Excavation (3)	Salvaged/ Unusable Pavement Material (4)	Available Material (5)	Unexpanded Fill	Expanded Fill (7) Factor 1.25	Mass Ordinate +/- (8)	Waste	Borrow (item #208.0100)	Comment:
Stage 1A	672+40 - 680+27	IH 41 SB at KR (TEMP EXIT RAMP)	640	0	0	640	11	13	626	626	0	
	727+53 - 738+15	IH 41 SB at 11 (TEMP ENTRANCE RAMP)	960	0	0	960	5	6	954	954	0	
	901+35 - 916+58	IH 41 SB TEMP WIDENING	1,084	0	0	1,084	492	614	470	470	0	
	932+77 - 962+48	IH 41 SB TEMP WIDENING	5,131	0	286	4,845	615	769	4,076	4,076	0	
	931+75 - 992+25	IH 41 NB TEMP WIDENING	5,118	0	286	4,832	866	1,082	3,749	3,749	0	
	1007+00 - 1024+00	IH 41 NB TEMP WIDENING	1,423	0	0	1,423	356	445	978	978	0	
	1093+00 - 1129+13	IH 41 NB TEMP WIDENING	2,477	0	0	2,477	444	555	1,922	1,922	0	
Division 1 Subtotal			16,833	0	572	16,261	2,789	3,486	12,775		0	
Stage 1B	829+00 - 843+50	IH 41 MEDIAN CROSSOVER	1,477	0	644	833	0	0	833	833	0	
	882+00 - 888+00	IH 41 MEDIAN CROSSOVER	609	0	267	342	0	0	342	342	0	
	1137+00 - 1143+10	IH 41 MEDIAN CROSSOVER	620	0	271	349	0	0	349	349	0	
	1168+00 - 1188+00	IH 41 MEDIAN CROSSOVER	2,075	0	889	1,186	0	0	1,186	1,186	0	
Division 2 Subtotal			4,781	0	2,071	2,710	0	0	2,710		0	
Grand Total			21,614	0	2,643	18,970	2,789	3,486	15,485	0	0	
Total Common Excavation				**21,614**								

*COMMON EXCAVATION QTY SHOWN ELSEWHERE.

NOTES:

1) Common Excavation is the sum of the Cut and EBS Excavation columns. Item number 205.0100
2) Salvaged/Unsuable Pavement Material is included in Cut.
3) EBS Excavation to be backfilled with Borrow or Cut.
4) Salvaged/Unusable Pavement Material
5) Available Material = Cut - Salvaged/Unusuable Pavement Material
7) Expanded Fill. Factor = 1.25
8) The Mass Ordinate + or - Qty calculated for the Division. Plus quantity indicates an excess of material within the Division. Minus indicates a shortage of material within the Division.

EARTHWORK

	CATEGORY - 1000		A		C	D			H	G	I	J
			Item #205.0100		*	*	*	*	*	*	*	*
Division	From / To Station	Location	Excavation Common (1)		Salvaged / Unusable Pavement Material (4)	Available Material (5)	Reduced EBS in Fill (6)	Expanded EBS Backfill (7)	Unexpanded Fill	Estimated Disposal Area Outside 1:1 Slope (8)	Expanded Fill (9)	Mass Ordinate + / - (10) (11)
			Cut (2)	EBS Excavation (3)			Factor 0.80	Factor 1.30			(CY) Factor 1.25	
			(CY)		(CY)	(CY)			(CY)	(CY)		(CY)
1	1024+00 - 1026+00	TEMPORARY PAVEMENT	179	0	0	179	0	0	0	0	0	179
1	1036+50 - 1041+50	TEMPORARY PAVEMENT	273	0	0	273	0	0	51	0	64	209
1	1075+50 - 1093+00	TEMPORARY PAVEMENT	565	0	0	565	0	0	107	0	134	431
			1,017		0	1,017	0	0	158	0	198	819

1) Common Excavation is the sum of the Cut and EBS Excavation columns. Item number 205.0100
The existing pavement structure is not shown in the cross sections.
Additional quantities shown else where see "Removing Driveways" Table
2) Cut volume includes Salvaged/Unusable Pavement Material volume above the bottom of the subbase
3) EBS Excavation to be backfilled with Borrow or Cut.
4) The Salvaged/Unusable Pavement Material quantity includes concrete below the bottom of the subbase.
5) Available Material = Cut - Salvaged/Unusable Pavement Material
6) Reduced EBS in Fill - Excavated EBS material is usable in Fills outside the 1:1 slope. EBS in Fill Reduction factor = 0.8
7) Expanded EBS Backfill - This is to be filled with Borrow or Cut material. EBS Backfill Factor = 1.3.
8) The estimated area outisde the 1:1 fill slopes where excavated EBS or excess topsoil material is placed.
9) Expanded Fill
Expanded Fill = (Unexpanded Fill - Reduced EBS) *
If Reduced EBS > than volume available outside of the 1:1 slope subtract only available volume.
Remaining volume of reduced EBS is considered waste.
10) The Mass Ordinate + or - Qty calculated for the Project. A plus quantity indicates an excess of material and a minus indicates a shortage of material.
11) Use 227 cubic yards of material from Ramp SE a as fill for the 227 cubic yards of material needed for the East Frontage Road

FINISHING ROADWAY

CATEGORY	LOCATION	STATION	TO	STATION	213.0100.080 FINISHING ROADWAY (1035-04-71) EACH
1000	IH 41, STH 142 TO CTH G	486+00		1137+00	1
	TOTAL				1

BASE AGGREGATE ITEMS

CATEGORY	LOCATION	STATION	TO	STATION	305.0110 BASE AGGREGATE DENSE 3/4-INCH TON	305.0120* BASE AGGREGATE DENSE 1 1/4-INCH TON	312.0110 SELECT CRUSHED MATERIAL TON	COMMENTS
1000	STH 142 TO CTH E	486+00		525+00	--	530	627	
	CTH E INTERCHANGE MAINLINE	525+00		582+00	--	3,032	2,994	
	CTH E TO CTH KR	582+00		632+50	--	--	--	
	CTH KR INTERCHANGE MAINLINE	632+50		683+50	--	492	490	
	CTH KR TO STH 11	683+50		730+00	--	128	114	
	STH 11 INTERCHANGE MAINLINE	730+00		783+00	--	529	555	
	STH 11 TO STH 20	783+00		829+00	--	20	8	
	STH 20 INTERCHANGE MAINLINE	829+00		895+00	--	1,443	1,237	
	STH 20 TO CTH K (SOUTH)	895+00		968+00	--	8,039	7,720	
	STH 20 TO CTH K (NORTH)	968+00		1024+00	--	5,322	5,693	
	CTH K INTERCHANGE MAINLINE	1024+00		1093+00	270	1,005	840	
	CTH K TO CTH G	1093+00		1137+00	--	7,440	3,480	INCLUDES CROSSOVER QTYS
		UNDISTRIBUTED			1,500	200	50	
		TOTALS			1,770	28,180	23,808	

* ADDITIONAL QUANTITIES LISTED ELSEWHERE

ASPHALTIC ITEMS

CATEGORY	LOCATION	STATION	TO	STATION	450.1100.S ASPHALTIC MIXTURE FOR EXTREME CONDITIONS TON	450.4000 HMA COLD WEATHER PAVING TON	455.0605 TACK COAT GAL	460.2000 INCENTIVE DENSITY HMA PAVEMENT DOL	460.6223 HMA PAVEMENT 3 MT 58-28 S TON	465.0125* ASPHALTIC SURFACE TEMPORARY TON	495.1000.S COLD PATCH TON
1000	STH 142 TO CTH E	486+00		525+00	20	231	466	$357	558	364	10
	CTH E INTERCHANGE MAINLINE	525+00		582+00	20	463	329	$910	1,421	430	10
	CTH E TO CTH KR	582+00		632+50	20	170	511	$0	0	678	10
	CTH KR INTERCHANGE MAINLINE	632+50		683+50	20	202	516	$140	220	589	10
	CTH KR TO STH 11	683+50		730+00	20	166	480	$30	50	614	10
	STH 11 INTERCHANGE MAINLINE	730+00		783+00	20	199	477	$180	281	513	10
	STH 11 TO STH 20	783+00		829+00	20	164	493	$0	0	654	10
	STH 20 INTERCHANGE MAINLINE	829+00		895+00	--	222	289	$570	889	--	--
	STH 20 TO CTH K (SOUTH)	895+00		968+00	20	2,152	1,798	$4,770	7,451	1,156	10
	STH 20 TO CTH K (NORTH)	968+00		1024+00	20	898	770	$360	558	3,035	10
	CTH K INTERCHANGE MAINLINE	1024+00		1093+00	20	278	490	$0	0	1,110	10
	CTH K TO CTH G	1093+00		1137+00	20	756	750	$700	1,095	1,928	10
		TOTALS			220	5,901	7,369	$8,017	12,523	11,071	110

* ADDITIONAL QUANTITIES LISTED ELSEWHERE

3

TEMPORARY SHORING ITEMS

CATEGORY	LOCATION	STATION	TO	STATION	511.1100 TEMPORARY SHORING SF	511.2300.001 TEMPORARY SHORING LEFT IN PLACE (STH 142 TO CTH E) SF	511.2300.002 TEMPORARY SHORING LEFT IN PLACE (CTH E SB EXIT RAMP) SF	511.2300.003 TEMPORARY SHORING LEFT IN PLACE (CTH KR SB EXIT RAMP) SF	511.2300.004 TEMPORARY SHORING LEFT IN PLACE (STH 11 SB ENTRANCE RAMP SF
1000	STH 142 TO CTH E	486+00		525+00	--	780	--	--	--
	CTH E INTERCHANGE MAINLINE	525+00		582+00	--	--	1,463	--	--
	CTH E TO CTH KR	582+00		632+50	--	--	--	--	--
	CTH KR INTERCHANGE MAINLINE	632+50		683+50	--	--	--	1,725	--
	CTH KR TO STH 11	683+50		730+00	--	--	--	--	1,600
	STH 11 INTERCHANGE MAINLINE	730+00		783+00	--	--	--	--	--
	STH 11 TO STH 20	783+00		829+00	--	--	--	--	--
	STH 20 INTERCHANGE MAINLINE	829+00		895+00	--	--	--	--	--
	STH 20 TO CTH K (SOUTH)	895+00		968+00	1,000	--	--	--	--
	STH 20 TO CTH K (NORTH)	968+00		1024+00	--	--	--	--	--
	CTH K INTERCHANGE MAINLINE	1024+00		1093+00	--	--	--	--	--
	CTH K TO CTH G	1093+00		1137+00	--	--	--	--	--
		TOTALS			1,000	780	1,463	1,725	1,600

* ADDITIONAL QUANTITIES LISTED ELSEWHERE

3

PAVEMENT REPAIR ITEMS

CATEGORY	LOCATION	STATION	TO	STATION	209.0200.S* BACKFILL CONTROLLED LOW STRENGTH CY	209.2500 BACKFILL GRANULAR GRADE 2 TON	390.0203 BASE PATCHING ASPHALTIC SY	390.0303* BASE PATCHING CONCRETE SY	390.0403 BASE PATCHING CONCRETE SHES SY	416.0610 DRILLED TIE BARS EACH	416.0620 DRILLED DOWEL BARS EACH	416.1710 CONCRETE PAVEMENT REPAIR SY	416.1715 CONCRETE PAVEMENT REPAIR SHES SY	SPV.0060.016 MOBILIZATIONS EMERGENCY PAVEMENT REPAIR EACH	SPV.0195.004 HMA LONGITUDINAL JOINT REPAIR TON
1000	STH 142 TO CTH E	486+00		525+00	--	20	--	1,111	--	550	730		--	1	100
	CTH E INTERCHANGE MAINLINE	525+00		582+00	--	20	--	--	620	300	480		--	1	100
	CTH E TO CTH KR	582+00		632+50	--	20	--	1,122	--	1172	2702	1683	--	1	100
	CTH KR INTERCHANGE MAINLINE	632+50		683+50	--	20	--	909	100	1379	2742	1997	--	1	100
	CTH KR TO STH 11	683+50		730+00	--	20	--	1,017	--	1112	2575	1840	--	1	100
	STH 11 INTERCHANGE MAINLINE	730+00		783+00	--	20	--	869	100	1083	2681	1987	--	1	100
	STH 11 TO STH 20	783+00		829+00	--	20	--	821	--	988	2249	1560	--	1	100
	STH 20 INTERCHANGE MAINLINE	829+00		895+00	--	--	--	--	--	--	--	--	--	--	--
	STH 20 TO CTH K (SOUTH)	895+00		968+00	--	20	--	2,843	--	1,686	3879	2283	--	1	100
	STH 20 TO CTH K (NORTH)	968+00		1024+00	--	20	--	1,219	--	1340	3101	2196	--	1	100
	CTH K INTERCHANGE MAINLINE	1024+00		1093+00	--	20	--	4,600	400	1667	3400		--	1	100
	CTH K TO CTH G	1093+00		1137+00	--	20	--	866	--	944	2186	1581	--	1	100
		UNDISTRIBUTED			275	--	500	--	400	--	--	--	200	--	--
	TOTALS				275	220	500	15,377	1,620	12,221	26,725	15,127	200	11	1,100

* ADDITIONAL QUANTITIES LISTED ELSEWHERE

TEMPORARY CONCRETE BARRIER ITEMS

CATEGORY	STAGE	LOCATION	STATION	TO	STATION	603.8000 CONCRETE BARRIER TEMPORARY PRECAST DELIVERED LF	*603.8125** CONCRETE BARRIER TEMPORARY PRECAST INSTALLED LF	*SPV.0090.017 CONCRETE BARRIER TEMPORARY PRECAST DELIVERED SPECIAL LF	SPV.0090.018 MAINTAIN CONCRETE BARRIER TEMPORARY PRECAST LF	SPV.0090.090 TEMPORARY GLARE SCREEN LEFT IN PLACE LF	COMMENTS
1000	1A	STH 142 TO CTH E	486+00		525+00	4,401	5,451	--	5,125	--	
	1A	CTH E INTERCHANGE MAINLINE	525+00		582+00	5,098	5,098	--	--	--	
	1A	CTH E TO CTH KR	582+00		632+50	5,000	5,000	--	--	--	
	1A	CTH KR INTERCHANGE MAINLINE	632+50		683+50	4,539	4,539	--	--	--	
	1A	CTH KR TO STH 11	683+50		730+00	4,647	4,647	--	--	--	
	1A	STH 11 INTERCHANGE MAINLINE	730+00		783+00	4,203	4,203	--	--	--	
	1A	STH 11 TO STH 20	783+00		829+00	4,575	4,575	--	4,013	--	
	1A	STH 20 INTERCHANGE MAINLINE	829+00		895+00	--	--	--	--	--	
	1A	STH 20 TO CTH K (SOUTH)	895+00		968+00	11,301	11,301	--	2,728	--	
	1A	STH 20 TO CTH K (NORTH)	968+00		1024+00	6,160	6,160	--	--	--	
	1A	CTH K INTERCHANGE MAINLINE	1024+00		1093+00	2,606	2,606	--	--	--	
	1A	CTH K TO CTH G	1093+00		1137+00	3,900	3,900	--	2,831	--	
		SUBTOTALS				56,430	57,480	0	14,697	0	
1000	1B	STH 142 TO CTH E	486+00		525+00	1,800	12,547	8,195	--	4,100	
	1B	CTH E INTERCHANGE MAINLINE	525+00		582+00	2,100	13,349	11,249	--	5,700	
	1B	CTH E TO CTH KR	582+00		632+50	600	9,184	8,584	--	5,000	
	1B	CTH KR INTERCHANGE MAINLINE	632+50		683+50	--	8,563	8,563	--	5,150	
	1B	CTH KR TO STH 11	683+50		730+00	500	8,651	8,151	--	4,650	
	1B	STH 11 INTERCHANGE MAINLINE	730+00		783+00	--	8,632	8,632	--	5,300	
	1B	STH 11 TO STH 20	783+00		829+00	1,100	10,364	9,264	--	4,600	
	1B	STH 20 INTERCHANGE MAINLINE	829+00		895+00	4,244	8,045	3,801	--	1,500	
	1B	STH 20 TO CTH K (SOUTH)	895+00		968+00	14,600	29,753	15,153	--	1,000	
	1B	STH 20 TO CTH K (NORTH)	968+00		1024+00	900	11,117	10,217	--	5,600	
	1B	CTH K INTERCHANGE MAINLINE	1024+00		1093+00	--	10,329	10,329	--	6,900	
	1B	CTH K TO CTH G	1093+00		1137+00	5,125	16,675	11,550	--	5,300	
		SUBTOTALS				30,969	147,209	113,688	0	54,800	
		TOTALS				87,399	204,689	113,688	14,697	54,800	

* ADDITIONAL QUANTITIES LISTED ELSEWHERE
** INCLUDES INSTALLATION OF "CONCRETE BARRIER TEMPORARY PRECAST DELIVERED SPECIAL"

TEMPORARY CRASH CUSHION AND GUARDRAIL ITEMS

CATEGORY	STAGE	LOCATION	STATION	TO	STATION	614.0905 CRASH CUSHIONS TEMPORARY EACH	614.0920 SALVAGED RAIL LF	614.0925 SALVAGED GUARDRAIL END TREATMENTS EACH	614.0930 SALVAGED CRASH CUSHIONS EACH	SPV.0060.040 CRASH CUSHIONS TEMPORARY LEFT IN PLACE EACH	SPV.0060.098 MAINTAIN AND SALVAGE CRASH CUSHIONS TEMPORARY LEFT IN PLACE EACH	CRASH CUSHION COMMENTS
1000	1A	STH 142 TO CTH E	486+00		525+00	--	--	--	1	1	1	
	1A	CTH E INTERCHANGE MAINLINE	525+00		582+00	3	69	1	--	--	--	
	1A	CTH E TO CTH KR	582+00		632+50	1	70	1	--	--	--	
	1A	CTH KR INTERCHANGE MAINLINE	632+50		683+50	3	71	1	--	--	--	
	1A	CTH KR TO STH 11	683+50		730+00	1	83	1	--	--	--	
	1A	STH 11 INTERCHANGE MAINLINE	730+00		783+00	3	83	1	--	--	--	
	1A	STH 11 TO STH 20	783+00		829+00	2	--	--	--	--	--	
	1A	STH 20 INTERCHANGE MAINLINE	829+00		895+00	--	--	--	--	--	--	
	1A	STH 20 TO CTH K (SOUTH)	895+00		968+00	2	173	2	--	--	--	
	1A	STH 20 TO CTH K (NORTH)	968+00		1024+00	2	--	--	--	--	--	
	1A	CTH K INTERCHANGE MAINLINE	1024+00		1093+00	2	--	--	--	--	--	
	1A	CTH K TO CTH G	1093+00		1137+00	1	--	--	1	--	--	
		SUBTOTALS				20	549	7	2	1	1	
1000	1B	STH 142 TO CTH E	486+00		525+00	2	--	--		--	--	
	1B	CTH E INTERCHANGE MAINLINE	525+00		582+00	2	--	--		2	2	
	1B	CTH E TO CTH KR	582+00		632+50	2	--	--		--	--	
	1B	CTH KR INTERCHANGE MAINLINE	632+50		683+50	1	--	--		2	2	
	1B	CTH KR TO STH 11	683+50		730+00	2	--	--		--	--	
	1B	STH 11 INTERCHANGE MAINLINE	730+00		783+00	1	--	--		--	2	
	1B	STH 11 TO STH 20	783+00		829+00	3	--	--		2	--	
	1B	STH 20 INTERCHANGE MAINLINE	829+00		895+00	1	--	--		--	1	
	1B	STH 20 TO CTH K (SOUTH)	895+00		968+00	1	--	--		1	2	
	1B	STH 20 TO CTH K (NORTH)	968+00		1024+00	2	--	--		2	--	
	1B	CTH K INTERCHANGE MAINLINE	1024+00		1093+00	1	--	--		--	--	
	1B	CTH K TO CTH G	1093+00		1137+00	4	--	--		--	--	
		SUBTOTALS				22	0	0	0	9	9	
		TOTALS				42	549	7	2	10	10	

* ADDITIONAL QUANTITIES LISTED ELSEWHERE

PIPE EXTENSIONS

CATEGORY	LOCATION	STATION	OFFSET	SPV.0060.092* RECONNECT STORM SEWER EACH	520.4018 CULVERT PIPE TEMPORARY 18-INCH LF	520.4042 CULVERT PIPE TEMPORARY 42-INCH LF	521.1518 APRON ENDWALLS FOR CULVERT PIPE SLOPED SECTIONAL STEEL 18-INCH EACH	608.0418 STORM SEWER PIPE REINFORCED CONCRET CLASS IV 18-INCH EACH
1000	STH 20 TO CTH K (SOUTH)	895+77	LT	1	--	--	1	18
	STH 20 TO CTH K (SOUTH)	941+81	RT	1	--	26	--	--
	STH 20 TO CTH K (SOUTH)	949+78	RT	1	24	--	--	--
	STH 20 TO CTH K (SOUTH)	949+79	LT	1	--	--	1	14
	STH 20 TO CTH K (SOUTH)	957+80	LT	1	--	--	1	14
	STH 20 TO CTH K (NORTH)	1018+70	RT	1	26	--	--	--
	CTH K TO CTH G	1111+73	RT	--	38	--	--	--
	CTH K TO CTH G	1124+70	RT	--	38	--	--	--
		TOTALS		6	126	26	3	46

* ADDITIONAL QUANTITIES LISTED ELSEWHERE

PIPE UNDERDRAIN ITEMS

CATEGORY	LOCATION	STATION	TO	STATION	612.0404 PIPE UNDERDRAIN WRAPPED 4-INCH LF	612.0600 UNDERDRAIN TRENCH LF
1000	STH 142 TO CTH E	486+00		525+00	315	315
	CTH E INTERCHANGE MAINLINE	525+00		582+00	660	660
	CTH E TO CTH KR	582+00		632+50	--	--
	CTH KR INTERCHANGE MAINLINE	632+50		683+50	345	345
	CTH KR TO STH 11	683+50		730+00	320	320
	STH 11 INTERCHANGE MAINLINE	730+00		783+00	--	--
	STH 11 TO STH 20	783+00		829+00	--	--
	STH 20 INTERCHANGE MAINLINE	829+00		895+00	--	--
	STH 20 TO CTH K (SOUTH)	895+00		968+00	--	--
	STH 20 TO CTH K (NORTH)	968+00		1024+00	--	--
	CTH K INTERCHANGE MAINLINE	1024+00		1093+00	--	--
	CTH K TO CTH G	1093+00		1137+00	--	--
	TOTALS				1,640	1,640

* ADDITIONAL QUANTITIES LISTED ELSEWHERE

DRAIN TILE ITEMS

CATEGORY	LOCATION	STATION	TO	STATION	612.0700 DRAIN TILE EXPLORATION LF
1000	STH 142 TO CTH E	486+00		525+00	--
	CTH E INTERCHANGE MAINLINE	525+00		582+00	--
	CTH E TO CTH KR	582+00		632+50	--
	CTH KR INTERCHANGE MAINLINE	632+50		683+50	--
	CTH KR TO STH 11	683+50		730+00	--
	STH 11 INTERCHANGE MAINLINE	730+00		783+00	--
	STH 11 TO STH 20	783+00		829+00	--
	STH 20 INTERCHANGE MAINLINE	829+00		895+00	--
	STH 20 TO CTH K (SOUTH)	895+00		968+00	200
	STH 20 TO CTH K (NORTH)	968+00		1024+00	--
	CTH K INTERCHANGE MAINLINE	1024+00		1093+00	--
	CTH K TO CTH G	1093+00		1137+00	--
	TOTAL				200

* ADDITIONAL QUANTITIES LISTED ELSEWHERE

STORM SEWER ITEMS

STAGE	STRUCTURE NUMBER	STATION	OFFSET		611.2005* MANHOLES 5-FT DIAMETER EACH	611.2008* MANHOLES 8-FT DIAMETER EACH	SPV.0060.027* MANHOLES 10-FT DIAMETER EACH	611.3003 INLETS 3-FT DIAMETER EACH	611.3004* INLETS 4-FT DIAMETER EACH	611.3225 INLETS 2x2.5-FT EACH	611.0535* MANHOLE COVERS TYPE J-SPECIAL EACH	611.0610* INLET COVERS TYPE BW EACH	RIM OR FLANGE ELEV	STR DEPTH FT	FROM STR	TO STR	INLET ELEV	SLOPE	608.0315 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 15-INCH LF	608.0415* STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 15-INCH LF	608.0424* 24-INCH LF	608.2329 STORM SEWER PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL CLASS HE-III 29x45-INCH LF	608.2334 34x53-INCH LF	SPV.0090.052* DRAIN SLOTTED VANE LONGITUDINAL LF	204.0280* SEALING PIPES EACH	*SPV.0060.092 RECONNECT STORM SEWER EACH	NOTES
1B	IH-94 MEDIAN																										
	--	744+00	3.00	LT	--	--	--	--	--	1	--	--	--	--	--	EXIST	--	--	5	--	--	--	--	--	--	1	SEE CONSTRUCTION DETAIL TEMPORARY MEDIAN INLET
	--	749+00	3.00	LT	--	--	--	--	--	1	--	--	--	--	--	EXIST	--	--	5	--	--	--	--	--	--	1	SEE CONSTRUCTION DETAIL TEMPORARY MEDIAN INLET
	--	753+00	3.00	LT	--	--	--	--	--	1	--	--	--	--	--	EXIST	--	--	5	--	--	--	--	--	--	1	SEE CONSTRUCTION DETAIL TEMPORARY MEDIAN INLET
	101V	896+00	10.18	LT	--	--	--	--	--	--	--	--	745.96	--	101V	EXIST	--	--	--	--	--	--	--	193	--	--	TEMPORARY DRAINAGE; CONNECT TO EXISTING INLET
	102V	989+41	4.82	LT	--	--	--	--	--	--	--	--	748.55	--	102V	EXIST	--	--	--	--	--	--	--	270	--	--	TEMPORARY DRAINAGE; CONNECT TO EXISTING INLET
	130B	911+77	15.00	LT	--	--	--	1	--	--	--	1	748.29	2.84	130B	EXIST	744.29	1.00%	--	10	--	--	--	--	--	--	TEMPORARY DRAINAGE; CONNECT TO EXISTING INLET
	148B	928+72	15.00	LT	--	--	--	1	--	--	--	1	761.14	2.84	148B	EXIST	757.14	1.00%	--	10	--	--	--	--	--	--	TEMPORARY DRAINAGE; CONNECT TO EXISTING INLET
	158	934+77	13.60	LT	--	1	--	--	--	--	--	1	746.15	7.49	EXIST	158	737.50	0.67%	--	--	--	12	--	--	--	1	BUILD ON TOP OF AND CONNECT TO EXISTING 42" PIPE; INLET COVER OFFSET
	159	934+88	13.60	LT	--	1	--	--	--	--	--	1	746.08	7.40	159	158	737.52	1.00%	--	10	--	--	--	--	--	--	INLET COVER OFFSET
	159S	934+88	13.60	LT	--	--	--	--	--	--	--	--	--	--	159S	159	737.60	0.67%	--	--	--	12	--	--	1	--	STUB PIPE TO THE EAST
	161B	937+76	9.00	LT	--	--	--	1	--	--	--	1	742.56	2.30	161B	EXIST	739.10	1.67%	--	6	--	--	--	--	--	--	TEMPORARY DRAINAGE; CONNECT TO EXISTING INLET
	168	942+00	5.25	RT	--	--	--	--	1	--	--	1	740.36	3.30	168	168A	735.90	0.53%	--	19	--	--	--	--	--	--	
	168S	942+00	5.25	RT	--	--	--	--	--	--	--	--	--	--	168S	168	736.00	1.11%	--	9	--	--	--	--	1	--	STUB PIPE TO THE WEST
	168A	941+81	4.25	RT	--	1	--	--	--	--	1	--	740.32	4.61	168A	168W	734.63	0.61%	--	--	--	10	--	--	--	--	INLET COVER OFFSET
	168E	941+81	4.25	RT	--	--	--	--	--	--	--	--	--	--	168E	168A	734.67	0.61%	--	--	--	7	--	--	--	1	CONNECT TO EXISTING PIPE
	168W	941+81	4.25	RT	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1	CONNECT TO EXISTING PIPE
	168T	941+54	8.00	LT	--	--	--	1	--	--	--	1	740.23	1.87	168T	EXIST	737.20	1.67%	--	6	--	--	--	--	--	--	TEMPORARY DRAINAGE; CONNECT TO EXISTING INLET
	171B	945+74	6.50	LT	--	--	--	1	--	--	--	1	738.27	2.01	171B	EXIST	735.10	1.67%	--	6	--	--	--	--	--	--	TEMPORARY DRAINAGE; CONNECT TO EXISTING INLET
	175B	949+79	7.00	LT	--	--	--	1	--	--	--	1	736.11	2.35	175B	EXIST	732.60	1.67%	--	6	--	--	--	--	--	--	TEMPORARY DRAINAGE; CONNECT TO EXISTING INLET
	179B	951+07	5.25	LT	--	--	--	1	--	--	--	1	735.37	4.66	179B	179C	729.55	0.71%	--	14	--	--	--	--	--	--	TEMPORARY CONNECTION TO EXISTING PIPE
	179C	951+25	5.25	RT	--	--	1	--	--	--	--	1	735.49	4.88	179C	EXIST	729.45	0.63%	--	24	--	--	114	--	--	--	TEMPORARY CONNECTION TO EXISTING PIPE
	179	951+40	5.25	RT	--	--	1	--	--	--	--	1	735.38	4.77	179	EXIST	729.45	0.61%	--	31	--	--	118	--	--	--	TEMPORARY CONNECTION TO EXISTING PIPE, INLET COVER OFFSET
	179S	951+40	5.25	RT	--	--	--	--	--	--	--	--	--	--	179	179S	729.45	0.63%	--	--	--	--	8	--	1	--	STUB PIPE TO THE WEST & SEAL
	181	953+50	5.25	RT	1	--	--	--	--	--	--	1	734.33	1.86	181	179	731.31	0.49%	--	--	211	--	--	--	--	--	
UNDISTRIBUTED					--	--	--	--	--	--	--	--							--	--	--	--	--	--	6	--	
CATEGORY 1000 TOTAL					1	3	2	7	1	3	1	13							15	151	211	41	240	463	9	6	
PROJECT TOTAL					1	3	2	7	1	3	1	13							15	151	211	41	240	463	9	6	

* ADDITIONAL QUANTITIES LISTED ELSEWHERE

NOTES

1) STATIONS ARE TO THE CENTER OF STRUCTURES OR TO THE APRON END OF ENDWALLS.
   OFFSETS ARE 2' FROM THE PROPOSED FLOW LINE FOR STRUCTURES IN THE ROADWAY WITH INLET GRATES, AND TO THE CENTER OF COVER FOR FIELD INLETS AND MANHOLES WITH SOLID LIDS.
   MANHOLES WITH A DIAMETER GREATER THAN 6-FT AND DEPTHS GREATER THAN 5-FT WILL REQUIRE THE INLET COVER TO BE OFFSET FROM THE STRUCTURE TO ACCESS STEPS
2) PIPE LENGTHS ARE MEASURED TO THE CENTER OF STRUCTURES AND TO THE END OF PIPE AT APRON ENDWALLS (NOT INCLUDING LENGTH OF ENDWALL)
3) RIM ELEVATIONS ARE GIVEN AT 2' FROM THE PROPOSED FLOW LINE FOR STRUCTURES IN THE ROADWAY WITH INLET GRATES, AND TO THE CENTER OF COVER FOR FIELD INLETS AND MANHOLES WITH SOLID LIDS
4) STRUCTURE DEPTH = RIM ELEVATION - INVERT - CASTING HEIGHT - ADJUSTMENT
   CASTING HEIGHT = 0.75 FT FOR J COVERS; 0.5 FT FOR HM COVERS; 0.83 FT FOR TYPE V; 0 FT FOR TYPE MS COVERS
   ADJUSTMENT (RINGS) = 0.33 FT FOR B, V, J, HM AND S COVERS; 0 FT FOR TYPE MS COVERS
5) FLAT TOP SLAB WITH CENTERED 21" X 24" RECTANGULAR OPENING REQUIRED ON ALL MANHOLES WITH TYPE BW INLET COVERS
6) FLAT TOP SLAB WITH CENTERED 21" X 24" RECTANGULAR OPENING REQUIRED ON INLETS 3-FT AND 4-FT DIAMETER WITH TYPE BW INLET COVERS
7) REMOVAL OF SEALING PIPE (BRICK, BLOCK, MORTAR, PLASTER) TO BE INCIDENTAL TO STORM SEWER INSTALLATION
8) STRUCTURE DEPTH AT RETAINING WALLS = RIM ELEVATION - INVERT - 1.69 FT FOR LEVELING SLAB

STORM SEWER ITEMS

STAGE	STRUCTURE NUMBER	STATION	OFFSET FT	611.2005* MANHOLES 5-FT DIAMETER EACH	611.2006 MANHOLES 6-FT DIAMETER EACH	611.2008* MANHOLES 8-FT DIAMETER EACH	SPV.0060.027* MANHOLES 10-FT DIAMETER EACH	611.3004* INLETS 4-FT DIAMETER EACH	611.0610* INLET COVERS TYPE BW EACH	RIM OR FLANGE ELEV	STR DEPTH FT	FROM STR	TO STR	INLET ELEV	DISCH ELEV	SLOPE	608.0415* STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 15-INCH LF	608.0424* 24-INCH LF	608.0436 36-INCH LF	608.0442 42-INCH LF	SPV.0060.092* RECONNECT STORM SEWER EACH	204.0280* SEALING PIPES EACH	SPV.0090.052* DRAIN SLOTTED VANE LONGITUDINAL LF	SPV.0060.003 COVER PLATE LEFT IN PLACE EACH	611.8120.S COVER PLATES TEMPORARY EACH	NOTES
1B	IH-94 MEDIAN																								
	32V	957+08	0.77 RT	--	--	--	--	--	--	734.33	N/A	32V	321	--	--	--	--	--	--	--	--	--	270	--	--	SLOTTED DRAIN PLACED AT MEDIAN FOR X-OVER
	321	957+00	5.25 RT	--	1	--	--	--	1	734.33	4.41	321	261P	728.76	728.72	0.44%	--	9	--	--	--	--	--	1	--	COVER PLATE TEMP AT 321 STAGE 1B
	321S	957+00	8.25 RT	--	--	--	--	--	--	--	--	321S	321	728.78	728.76	0.50%	--	4	--	--	--	1	--	--	--	SEAL PIPE AT 321S
	33V	960+08	2.23 RT	--	--	--	--	--	--	736.95	N/A	33V	319P	--	--	--	--	--	--	--	--	--	150	--	--	SLOTTED DRAIN PLACED AT MEDIAN FOR X-OVER
	319P	960+00	5.25 RT	1	--	--	--	--	1	736.95	4.67	319P	260P	731.12	731.08	0.44%	--	9	--	--	--	--	--	1	--	COVER PLATE TEMP AT 319P STAGE 1B
	319S	960+00	8.25 RT	--	--	--	--	--	--	--	--	319S	319P	731.14	731.12	0.50%	--	4	--	--	--	1	--	--	--	SEAL PIPE AT 319S
	266	954+85	5.25 LT	--	--	--	--	1	1	734.08	4.77	266	265	728.15	727.90	0.48%	52	--	--	--	--	--	--	--	--	
	265	955+37	5.25 LT	--	--	--	--	1	1	734.04	4.98	265	264	727.90	727.70	0.49%	41	--	--	--	--	--	--	--	--	
	264	955+78	5.25 LT	--	--	--	--	1	1	734.04	5.18	264	187	727.70	727.48	0.59%	37	--	--	--	--	--	--	--	--	
	187	956+10	5.25 LT	--	--	1	--		1	734.06	5.68	187	EXIST	727.22	727.18	0.40%	--	10	--	--	1	--	--	--	--	TEMPORARY CONNECTION TO EXISTING PIPE
	263	956+22	5.25 LT	1	--	--	--	--	1	734.08	5.94	263	EXIST	726.98	726.96	0.20%	--	10	--	--	1	--	--	--	--	TEMPORARY CONNECTION TO EXISTING PIPE
	262	956+35	5.25 LT	--	--	--	1	--	1	734.10	5.47	262	263	727.47	727.46	0.11%	--	--	9	--	--	--	--	--	--	INLET COVER OFFSET. CENTER OF STRUCTURE AT 7.60' LT. SEE NOTE 7
	262S	956+33	12.00 LT	--	--	--	--	--	--	--	--	262	262S	727.47	727.45	0.29%	--	--	--	8	--	1	--	--	--	SEAL PIPE AT 262S
	188	956+14	5.25 RT	--	1	--	--	--	1	734.02	5.85	188	187	727.50	727.48	0.22%	--	--	9	--	--	--	--	--	--	
	188T	956+14	5.25 RT	--	--	--	--	--	--	--		EXIST	188	727.03	727.01	0.20%	--	10	--	--	1	--	--	--	--	TEMPORARY CONNECTION TO EXISTING PIPE
	189	956+26	5.25 RT	--	--	1	--	--	1	734.06	5.90	189	263	727.49	727.46	0.33%	--	--	9	--	--	--	--	--	--	
	189T	956+26	5.25 RT	--	--	--	--	--	--	--	--	EXIST	189	727.02	727.00	0.20%	--	10	--	--	--	--	--	--	--	
	322	956+47	5.25 RT	--	1	--	--	--	1	734.12	5.46	322	262	727.50	727.47	0.33%	--	--	--	9	--	--	--	--	--	
	322S	956+47	5.25 RT	--	--	--	--	--	--	--	--	322S	322	727.53	727.50	0.31%	--	--	--	8	--	1	--	--	--	SEAL PIPE AT 322S
	261P	957+00	5.25 LT	--	1	--	--	--	1	734.43	5.55	261P	262	727.72	727.47	0.38%	--	--	65	--	--	--	--	--	--	
	260P	960+00	5.25 LT	--	1	--	--	--	1	737.00	6.17	260P	261P	729.67	727.72	0.65%	--	--	300	--	--	--	--	--	--	
	257	963+00	5.25 LT	--	1	--	--	--	1	741.55	6.20	257	260P	734.19	729.67	1.51%	--	--	300	--	--	--	--	--	--	
	317	963+00	5.25 RT	--	--	--	--	1	1	741.49	4.48	317	257	735.85	735.81	0.44%	--	9	--	--	--	--	--	--	--	
	317S	963+00	8.25 RT	--	--	--	--	--	--	--	--	317S	317	735.87	735.85	0.50%	--	4	--	--	--	1	--	--	--	SEAL PIPE AT 317S
	256	966+00	5.25 LT	--	1	--	--	--	1	746.59	6.71	256	257	738.72	734.19	1.51%	--	--	300	--	--	--	--	--	--	
	256S	966+00	8.25 LT	--	--	--	--	--	--	--	--	256S	256	740.87	740.85	0.50%	--	4	--	--	--	1	--	--	--	SEAL PIPE AT 256S
	315	966+00	5.25 RT	--	--	--	--	1	1	746.70	4.65	315	256	740.89	740.85	0.44%	--	9	--	--	--	--	--	--	--	
	315S	966+00	8.25 RT	--	--	--	--	--	--	--	--	315S	315	740.91	740.89	0.50%	--	4	--	--	--	1	--	--	--	SEAL PIPE AT 315S
	258B	967+77	5.25 LT	--	1	--	--	--	1	749.27	9.28	258B	256	739.99	738.72	0.72%	--	--	176	--	--	--	--	--	--	TEMPORARY DRAINAGE STRUCTURE
	258T	967+77	5.25 LT	--	--	--	--	--	--	--	--	EXIST	258B	745.00	744.90	1.43%	--	7	--	--	1	--	--	--	--	TEMPORARY CONNECTION TO EXIST INLET
													UNDISTRIBUTED												2	
CATEGORY 1000 TOTAL				2	8	2	1	5	18								130	103	1168	25	4	7	420	2	2	
PROJECT TOTAL				2	8	2	1	5	18								130	103	1168	25	0 4	7	420	2	2	

* ADDITIONAL QUANTITIES LISTED ELSEWHERE

NOTES

1) STATIONS ARE TO THE CENTER OF STRUCTURES OR TO THE APRON END OF ENDWALLS.
   OFFSETS ARE TO THE EDGE OF COVER FURTHEST FROM THE R/L FOR STRUCTURES IN THE ROADWAY WITH INLET GRATES, AND TO THE CENTER OF COVER FOR FIELD INLETS AND MANHOLES WITH SOLID LIDS.
   MANHOLES WITH A DIAMETER GREATER THAN 6-FT AND DEPTHS GREATER THAN 5-FT WILL REQUIRE THE INLET COVER TO BE OFFSET FROM THE STRUCTURE TO ACCESS STEPS
2) PIPE LENGTHS ARE MEASURED TO THE CENTER OF STRUCTURES AND TO THE END OF PIPE AT APRON ENDWALLS (NOT INCLUDING LENGTH OF ENDWALL)
3) RIM ELEVATIONS ARE GIVEN AT 2' FROM THE PROPOSED FLOW LINE FOR STRUCTURES IN THE ROADWAY WITH INLET GRATES, AND TO THE CENTER OF COVER FOR FIELD INLETS AND MANHOLES WITH SOLID LIDS
4) STRUCTURE DEPTH = RIM ELEVATION - INVERT - CASTING HEIGHT - ADJUSTMENT
   CASTING HEIGHT = 0.75 FT FOR J COVERS; 0.5 FT FOR HM COVERS; 0.83 FT FOR TYPE BW; 0 FT FOR TYPE MS COVERS
   ADJUSTMENT (RINGS) = 0.33 FT FOR B, V, J, HM AND S COVERS; 0 FT FOR TYPE MS COVERS
5) FLAT TOP SLAB WITH CENTERED 21" X 24" RECTANGULAR OPENING REQUIRED ON ALL MANHOLES WITH TYPE BW INLET COVERS
6) FLAT TOP SLAB WITH CENTERED 21" X 24" RECTANGULAR OPENING REQUIRED ON INLETS 3-FT AND 4-FT DIAMETER WITH TYPE BW INLET COVERS
7) REMOVAL OF SEALING PIPE (BRICK, BLOCK, MORTAR, PLASTER) TO BE INCIDENTAL TO STORM SEWER INSTALLATION
8) STRUCTURE DEPTH AT RETAINING WALLS = RIM ELEVATION - INVERT - 1.69 FT FOR LEVELING SLAB

3

STORM SEWER ITEMS

FROM STRUCTURE	-	TO STRUCTURE		608.0415* STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 15-INCH LF	611.0610* INLET COVERS TYPE BW EACH	611.3003* INLETS 3-FT DIAMETER EACH	SPV.0060.092* RECONNECT STORM SEWER EACH	INLET ELEVATION	DISCHARGE ELEVATION	SLOPE	RIM ELEVATION	INVERT ELEVATION	DEPTH ** FT
1061A	-	1061	1061+72, 12' RT	4	1	1	1	782.10	782.00	2.50%	787.34	782.10	4.07
1065A	-	1065	1065+75, 12' RT	4	1	1	1	772.10	772.00	2.50%	777.44	772.10	4.17
				8	2	2	2						

NOTES
(1) STATIONS AND OFFSETS ARE TO CENTER OF STRUCTURE
* ADDITIONAL QUANTITIES LISTED ELSEWHERE
** DEPTH = RIM ELEV - TOP OF STRUCTURE BASE ELEV - COVER HEIGHT - 4 -INCH ADJUSTMENT RING HEIGHT

FENCING ITEMS

CATEGORY	LOCATION	STATION	TO	STATION	616.0700.S FENCE SAFETY LF
1000	STH 142 TO CTH E	486+00		525+00	100
	CTH E INTERCHANGE MAINLINE	525+00		582+00	100
	CTH E TO CTH KR	582+00		632+50	100
	CTH KR INTERCHANGE MAINLINE	632+50		683+50	100
	CTH KR TO STH 11	683+50		730+00	100
	STH 11 INTERCHANGE MAINLINE	730+00		783+00	100
	STH 11 TO STH 20	783+00		829+00	100
	STH 20 INTERCHANGE MAINLINE	829+00		895+00	100
	STH 20 TO CTH K (SOUTH)	895+00		968+00	100
	STH 20 TO CTH K (NORTH)	968+00		1024+00	100
	CTH K INTERCHANGE MAINLINE	1024+00		1093+00	100
	CTH K TO CTH G	1093+00		1137+00	100
	TOTAL				1,200

* ADDITIONAL QUANTITIES LISTED ELSEWHERE

MAINTENANCE AND REPAIR OF HAUL ROADS 1035-04-71

CATEGORY	LOCATION	STATION	TO	STATION	618.0100.043 MAINTENANCE AND REPAIR OF HAUL ROADS (1035-04-71) EACH
1000	IH 41, STH 142 TO CTH G	486+00		1137+00	1
	TOTAL				1

MOBILIZATION

CATEGORY	LOCATION	STATION	TO	STATION	619.1000 MOBILIZATION EACH
1000	IH 41, STH 142 TO CTH G	486+00		1137+00	1
	TOTAL				1

3

DUST CONTROL SURFACE TREATMENT

CATEGORY	LOCATION	STATION	TO STATION	623.0200 DUST CONTROL SURFACE TREATMENT SY
1000	IH 41, STH 142 TO CTH G	486+00	1137+00	47,443
	TOTAL			47,443

* ADDITIONAL QUANTITIES LISTED ELSEWHERE

WATER ITEMS

CATEGORY	LOCATION	STATION	TO	STATION	624.0100 WATER MGAL
1000	IH 41, STH 142 TO CTH G	486+00		1137+00	578
	TOTAL				578

* ADDITIONAL QUANTITIES LISTED ELSEWHERE

3

RESTORATION ITEMS

CATEGORY	LOCATION	STATION	TO	STATION	625.0100 TOPSOIL SY	627.0200 MULCHING SY	629.0210 FERTILIZER TYPE B CWT	630.0120 SEEDING MIXTURE NO. 20 LB	630.0200 SEEDING TEMPORARY LB
1000	STH 142 TO CTH E	486+00		525+00	733	--	1.4	19	19
	CTH E INTERCHANGE MAINLINE	525+00		582+00	243	--	0.7	7	7
	CTH E TO CTH KR	582+00		632+50	--	--	--	--	--
	CTH KR INTERCHANGE MAINLINE	632+50		683+50	627	--	0.5	6	21
	CTH KR TO STH 11	683+50		730+00	9	--	--	--	1
	STH 11 INTERCHANGE MAINLINE	730+00		783+00	901	--	0.7	8	29
	STH 11 TO STH 20	783+00		829+00	--	--	--	--	--
	STH 20 INTERCHANGE MAINLINE	829+00		895+00	--	--	--	--	--
	STH 20 TO CTH K (SOUTH)	895+00		968+00	4,450	--	2.8	32	120
	STH 20 TO CTH K (NORTH)	968+00		1024+00	2,746	--	4.4	50	187
	CTH K INTERCHANGE MAINLINE	1024+00		1093+00	2,130	--	0.8	46	46
	CTH K TO CTH G	1093+00		1137+00	4,400	--	2.8	32	119
		UNDISTRIBUTED			4,060	2,000	3.5	50	137
	TOTALS				20,299	2,000	17.6	250	686

* ADDITIONAL QUANTITIES LISTED ELSEWHERE

EROSION CONTROL ITEMS

CATEGORY	LOCATION	STATION	TO STATION	606.0200 RIPRAP MEDIUM CY	628.1104 EROSION BALES EACH	628.1504 SILT FENCE LF	628.1520 SILT FENCE MAINT LF	628.1905 MOBILIZATIONS EROSION CONTROL EACH	628.1910 MOBILIZATIONS EMERGENCY EROSION CONTROL EACH	628.2004 EROSION MAT CLASS I TYPE B SY	628.2008 EROSION MAT URBAN CLASS I TYPE B SY	628.7504 TEMPORARY DITCH CHECKS LF	628.7555 CULVERT PIPE CHECKS EACH	628.7570 ROCK BAGS EACH	645.0120 GEOTEXTILE FABRIC TYPE HR SY	SPV.0090.084 HEAVY DUTY SILT FENCE LF
1000	STH 142 TO CTH E	486+00	525+00	--	--	--	--	--	--	--	733	--	--	--	--	1,250
	CTH E INTERCHANGE MAINLINE	525+00	582+00	--	--	437	437	--	--	--	478	50	6	--	--	1,418
	CTH E TO CTH KR	582+00	632+50	--	--	--	--	--	--	--	--	--	--	--	--	--
	CTH KR INTERCHANGE MAINLINE	632+50	683+50	--	--	560	560	--	--	770	--	38	--	17	--	270
	CTH KR TO STH 11	683+50	730+00	--	--	--	--	--	--	--	--	--	--	--	--	270
	STH 11 INTERCHANGE MAINLINE	730+00	783+00	--	--	--	--	--	--	910	--	--	26	34	--	870
	STH 11 TO STH 20	783+00	829+00	--	--	--	--	--	--	--	--	--	--	--	--	--
	STH 20 INTERCHANGE MAINLINE	829+00	895+00	--	--	--	--	--	--	--	--	--	--	--	--	--
	STH 20 TO CTH K (SOUTH)	895+00	968+00	8	--	--	--	--	--	4,450	2,120	270	60	120	26	--
	STH 20 TO CTH K (NORTH)	968+00	1024+00	--	--	465	465	--	--	2,746	--	350	10	50	--	--
	CTH K INTERCHANGE MAINLINE	1024+00	1093+00	--	--	--	--	--	--	820	750	80	2	50	--	2,015
	CTH K TO CTH G	1093+00	1137+00	--	--	675	675	--	--	2,330	--	30	--	50	--	1,845
		UNDISTRIBUTED		2	50	534	534	22	22	3,007	1,020	205	26	100	7	1,985
		TOTALS		10	50	2,671	2,671	22	22	15,033	5,101	1,023	130	421	33	9,923

* ADDITIONAL QUANTITIES LISTED ELSEWHERE

INLET PROTECTION

CATEGORY	LOCATION	STATION	TO STATION	628.7005 INLET PROTECTION TYPE A EACH	628.7010 INLET PROTECTION TYPE B EACH	628.7015 INLET PROTECTION TYPE C EACH	628.7020 INLET PROTECTION TYPE D EACH
1000	STH 142 TO CTH E	486+00	525+00	--	--	--	--
	CTH E INTERCHANGE MAINLINE	525+00	582+00	2	15	--	--
	CTH E TO CTH KR	582+00	632+50	--	--	--	16
	CTH KR INTERCHANGE MAINLINE	632+50	683+50	--	--	--	14
	CTH KR TO STH 11	683+50	730+00	--	--	--	10
	STH 11 INTERCHANGE MAINLINE	730+00	783+00	--	--	--	11
	STH 11 TO STH 20	783+00	829+00	--	--	--	15
	STH 20 INTERCHANGE MAINLINE	829+00	895+00	--	--	--	
	STH 20 TO CTH K (SOUTH)	895+00	968+00	8	--	--	20
	STH 20 TO CTH K (NORTH)	968+00	1024+00	1	3	1	36
	CTH K INTERCHANGE MAINLINE	1024+00	1093+00	5	5	--	17
	CTH K TO CTH G	1093+00	1137+00	4	3	--	13
		UNDISTRIBUTED		5	7	1	38
		TOTALS		25	33	2	190

* ADDITIONAL QUANTITIES LISTED ELSEWHERE

TRACKING PADS

CATEGORY	LOCATION	STATION	TO STATION	628.7560 TRACKING PADS EACH
1000	IH 41, STH 142 TO CTH G	486+00	1137+00	12
	TOTAL			12

3

MOVING AND REMOVING SIGNS

CATEGORY	LOCATION	STATION	TO	STATION	634.0618 POSTS WOOD 4X6-INCH X18-FEET EACH	634.0622 POSTS WOOD 4X6-INCH X22-FEET EACH	638.2101 MOVING SIGNS TYPE I EACH	638.2102 MOVING SIGNS TYPE II EACH	638.2601 REMOVING SIGNS TYPE I EACH	638.2602 REMOVING SIGNS TYPE II EACH	638.3000 REMOVING SMALL SIGN SUPPORTS EACH	638.3100 REMOVING STRUCTURAL STEEL SIGN SUPPORTS EACH	SPV.0060.028 SIGN SUPPORT GALVANIZED POSTS, 8.5-FT EACH
1000	STH 142 TO CTH E	486+00		525+00	2	--	--	3	2	2	2	--	3
	CTH E INTERCHANGE MAINLINE	525+00		582+00	2	--	--	7	--	2	4	--	6
	CTH E TO CTH KR	582+00		632+50	3	--	--	6	2	2	2	--	6
	CTH KR INTERCHANGE MAINLINE	632+50		683+50	3	--	--	6	--	2	2	--	6
	CTH KR TO STH 11	683+50		730+00	2	--	--	5	2	2	2	--	5
	STH 11 INTERCHANGE MAINLINE	730+00		783+00	3	--	--	6	--	2	2	--	6
	STH 11 TO STH 20	783+00		829+00	2	--	--	5	2	2	2	--	5
	STH 20 INTERCHANGE MAINLINE	829+00		895+00	2	--	--	8	--	--	--	--	4
	STH 20 TO CTH K (SOUTH)	895+00		968+00	6	9	3	9	2	2	3	3	8
	STH 20 TO CTH K (NORTH)	968+00		1024+00	6	3	1	14	--	2	--	1	14
	CTH K INTERCHANGE MAINLINE	1024+00		1093+00	8	--	--	15	--	2	4	--	14
	CTH K TO CTH G	1093+00		1137+00	7	--	--	11	2	2	4	--	10
TOTALS					46	12	4	95	12	22	27	4	87

* ADDITIONAL QUANTITIES LISTED ELSEWHERE

TRAFFIC CONTROL ITEMS

CATEGORY	LOCATION	STATION	TO STATION	STAGE	STAGE DURATION	643.0300 TRAFFIC CONTROL DRUMS		643.0420 TRAFFIC CONTROL BARRICADES TYPE III		643.0705 TRAFFIC CONTROL WARNING LIGHTS TYPE A		643.0715 TRAFFIC CONTROL WARNING LIGHTS TYPE C		643.0800 TRAFFIC CONTROL ARROW BOARDS		643.0900 TRAFFIC CONTROL SIGNS		643.0910 TRAFFIC CONTROL COVERING SIGNS TYPE I	643.0920 TRAFFIC CONTROL COVERING SIGNS TYPE II	643.1055.S TRUCK OR TRAILER - MOUNTED ATTENUATOR
					DAY	EACH	DAY	EACH	DAY	EACH	DAY	EACH	DAY	EACH	DAY	EACH	DAY	EACH	EACH	DAY
1000	STH 142 TO CTH E	486+00	525+00	STAGE 1A	56	7	392	0	0	0	0	0	0	0	0	21	1,176	0	2	0
	CTH E INTERCHANGE MAINLINE	525+00	582+00	STAGE 1A	56	100	5,600	0	0	0	0	29	1,624	0	0	11	616	1	2	5
	CTH E TO CTH KR	582+00	632+50	STAGE 1A	56	0	0	0	0	0	0	0	0	0	0	6	336	0	2	0
	CTH KR INTERCHANGE MAINLINE	632+50	683+50	STAGE 1A	56	38	2,128	0	0	0	0	8	448	0	0	12	672	1	2	5
	CTH KR TO STH 11	683+50	730+00	STAGE 1A	56	0	0	0	0	0	0	0	0	0	0	6	336	0	2	0
	STH 11 INTERCHANGE MAINLINE	730+00	783+00	STAGE 1A	56	30	1,680	0	0	0	0	0	0	0	0	12	672	1	2	5
	STH 11 TO STH 20	783+00	829+00	STAGE 1A	56	0	0	0	0	0	0	0	0	0	0	6	336	0	2	0
	STH 20 INTERCHANGE MAINLINE	829+00	895+00	STAGE 1A	56	182	10,192	4	224	8	448	112	6,272	0	0	6	336	1	2	0
	STH 20 TO CTH K (SOUTH)	895+00	968+00	STAGE 1A	56	40	2,240	0	0	0	0	23	1,288	2	112	16	896	0	2	0
	STH 20 TO CTH K (NORTH)	968+00	1024+00	STAGE 1A	56	39	2,184	0	0	0	0	22	1,232	2	112	14	784	0	2	0
	CTH K INTERCHANGE MAINLINE	1024+00	1093+00	STAGE 1A	56	71	3,976	0	0	0	0	19	1,064	0	0	10	560	1	2	5
	CTH K TO CTH G	1093+00	1137+00	STAGE 1A	56	7	392	0	0	0	0	0	0	0	0	20	1,120	0	2	0
		STAGE 1A SUBTOTALS					28,784		224		448		11,928		224		7,840	5	24	20
1000	STH 142 TO CTH E	486+00	525+00	STAGE 1B	29	32	928	1	29	0	0	0	0	1	29	30	870	0	2	2
	CTH E INTERCHANGE MAINLINE	525+00	582+00	STAGE 1B	29	57	1,653	1	29	0	0	0	0	0	0	21	609	1	2	2
	CTH E TO CTH KR	582+00	632+50	STAGE 1B	29	22	638	1	29	0	0	0	0	0	0	7	203	0	2	2
	CTH KR INTERCHANGE MAINLINE	632+50	683+50	STAGE 1B	29	15	435	0	0	0	0	0	0	0	0	15	435	1	2	2
	CTH KR TO STH 11	683+50	730+00	STAGE 1B	29	14	406	1	29	0	0	0	0	1	29	6	174	0	2	2
	STH 11 INTERCHANGE MAINLINE	730+00	783+00	STAGE 1B	29	18	522	0	0	0	0	0	0	0	0	12	348	1	2	2
	STH 11 TO STH 20	783+00	829+00	STAGE 1B	29	41	1,189	2	58	0	0	0	0	1	29	9	261	0	2	2
	STH 20 INTERCHANGE MAINLINE	829+00	895+00	STAGE 1B	29	143	4,147	5	145	6	174	26	754	0	0	17	493	1	2	2
	STH 20 TO CTH K (SOUTH)	895+00	968+00	STAGE 1B	29	40	1,160	1	29	0	0	16	464	2	58	33	957	0	2	5
	STH 20 TO CTH K (NORTH)	968+00	1024+00	STAGE 1B	29	48	1,392	6	174	10	290	0	0	0	0	25	725	0	2	5
	CTH K INTERCHANGE MAINLINE	1024+00	1093+00	STAGE 1B	29	116	3,364	7	203	14	406	0	0	0	0	12	348	1	2	2
	CTH K TO CTH G	1093+00	1137+00	STAGE 1B	29	171	4,959	13	377	18	522	19	551	2	58	38	1,102	0	2	5
		STAGE 1B SUBTOTALS					20,793		1,102		1,392		1,769		203		6,525	5	24	33
		UNDISTRIBUTED					25,000		70		140		500		120		3,200	2	4	10
		TOTALS					74,577		1,396		1,980		14,197		547		17,565	12	52	63

* ADDITIONAL QUANTITIES LISTED ELSEWHERE

3

TRAFFIC CONTROL ITEMS

CATEGORY	LOCATION	STATION	TO	STATION	STAGE	STAGE DURATION	643.1050 TRAFFIC CONTROL SIGNS PCMS		643.1051 TRAFFIC CONTROL SIGNS PCMS WITH CELLULAR COMMUNICATIONS		SPV.0045.001 PORTABLE SPEED TRAILER		SPV.0045.002 DYNAMIC LATE MERGE SYSTEM		COMMENTS
						DAY	EACH	DAY	EACH	DAY	EACH	DAY	EACH	DAY	
1000	STH 142 TO CTH E	486+00		525+00	STAGE 1A	56	0	0	1	56	1	56	0	0	
	CTH E INTERCHANGE MAINLINE	525+00		582+00	STAGE 1A	56	0	0	0	0	0	0	0	0	
	CTH E TO CTH KR	582+00		632+50	STAGE 1A	56	0	0	0	0	0	0	0	0	
	CTH KR INTERCHANGE MAINLINE	632+50		683+50	STAGE 1A	56	0	0	0	0	0	0	0	0	
	CTH KR TO STH 11	683+50		730+00	STAGE 1A	56	0	0	0	0	0	0	0	0	
	STH 11 INTERCHANGE MAINLINE	730+00		783+00	STAGE 1A	56	0	0	0	0	0	0	0	0	
	STH 11 TO STH 20	783+00		829+00	STAGE 1A	56	1	56	0	0	0	0	0	0	
	STH 20 INTERCHANGE MAINLINE	829+00		895+00	STAGE 1A	56	0	0	0	0	0	0	0	0	
	STH 20 TO CTH K (SOUTH)	895+00		968+00	STAGE 1A	56	0	0	0	0	0	0	1	56	
	STH 20 TO CTH K (NORTH)	968+00		1024+00	STAGE 1A	56	0	0	0	0	0	0	1	56	
	CTH K INTERCHANGE MAINLINE	1024+00		1093+00	STAGE 1A	56	1	56	0	0	0	0	0	0	
	CTH K TO CTH G	1093+00		1137+00	STAGE 1A	56	0	0	1	56	1	56	0	0	
		STAGE 1A SUBTOTALS						112		112		112		112	
1000	STH 142 TO CTH E	486+00		525+00	STAGE 1B	29	0	0	1	29	1	29	0	0	
	CTH E INTERCHANGE MAINLINE	525+00		582+00	STAGE 1B	29	1	29	0	0	0	0	0	0	
	CTH E TO CTH KR	582+00		632+50	STAGE 1B	29	0	0	0	0	0	0	0	0	
	CTH KR INTERCHANGE MAINLINE	632+50		683+50	STAGE 1B	29	0	0	0	0	0	0	0	0	
	CTH KR TO STH 11	683+50		730+00	STAGE 1B	29	0	0	0	0	0	0	0	0	
	STH 11 INTERCHANGE MAINLINE	730+00		783+00	STAGE 1B	29	0	0	0	0	0	0	0	0	
	STH 11 TO STH 20	783+00		829+00	STAGE 1B	29	0	0	0	0	0	0	0	0	
	STH 20 INTERCHANGE MAINLINE	829+00		895+00	STAGE 1B	29	1	29	0	0	0	0	0	0	
	STH 20 TO CTH K (SOUTH)	895+00		968+00	STAGE 1B	29	0	0	0	0	0	0	1	29	
	STH 20 TO CTH K (NORTH)	968+00		1024+00	STAGE 1B	29	1	29	0	0	0	0	0	0	
	CTH K INTERCHANGE MAINLINE	1024+00		1093+00	STAGE 1B	29	0	0	0	0	0	0	0	0	
	CTH K TO CTH G	1093+00		1137+00	STAGE 1B	29	2	58	1	29	1	29	1	29	
		STAGE 1B SUBTOTALS						145		58		58		58	
		UNDISTRIBUTED						30		30					
		TOTALS						287		200		170		170	

* ADDITIONAL QUANTITIES LISTED ELSEWHERE

TRAFFIC CONTROL

CATEGORY	LOCATION	STATION	TO	STATION	643.5000 TRAFFIC CONTROL EACH
1000	IH 41, STH 142 TO CTH G	486+00		1137+00	1
	TOTAL				1

3

3

PAVEMENT MARKING REMOVAL ITEMS

CATEGORY	LOCATION	STATION	TO STATION	STAGE	646.9000 MARKING REMOVAL LINE 4-INCH LF	646.9010 MARKING REMOVAL LINE WATER BLASTING 4-INCH LF	646.9100 MARKING REMOVAL LINE 8-INCH LF	646.9110 MARKING REMOVAL LINE WATER BLASTING 8-INCH LF	646.9200 MARKING REMOVAL WIDE LF	646.9210 MARKING REMOVAL LINE WATER BLASTING WIDE LF	646.9300 MARKING REMOVAL SPECIAL MARKING EACH	646.9310 MARKING REMOVAL SPECIAL MARKING WATER BLASTING EACH
1000	STH 142 TO CTH E	486+00	525+00	STAGE 1A	5,175	--	--	--	--	--	--	--
	CTH E INTERCHANGE MAINLINE	525+00	582+00	STAGE 1A	8,125	--	1,000	--	--	--	--	--
	CTH E TO CTH KR	582+00	632+50	STAGE 1A	6,312	--	--	--	--	--	--	--
	CTH KR INTERCHANGE MAINLINE	632+50	683+50	STAGE 1A	7,375	--	1,000	--	--	--	--	--
	CTH KR TO STH 11	683+50	730+00	STAGE 1A	5,812	--	--	--	--	--	--	--
	STH 11 INTERCHANGE MAINLINE	730+00	783+00	STAGE 1A	7,625	--	1,000	--	--	--	--	--
	STH 11 TO STH 20	783+00	829+00	STAGE 1A	5,750	--	--	--	--	--	--	--
	STH 20 INTERCHANGE MAINLINE	829+00	895+00	STAGE 1A	--	10,250	--	2,000	--	--	--	2
	STH 20 TO CTH K (SOUTH)	895+00	968+00	STAGE 1A	15,625	--	--	--	--	--	--	--
	STH 20 TO CTH K (NORTH)	968+00	1024+00	STAGE 1A	9,375	--	--	--	--	--	--	--
	CTH K INTERCHANGE MAINLINE	1024+00	1093+00	STAGE 1A	9,625	--	1,000	--	500	--	2	--
	CTH K TO CTH G	1093+00	1137+00	STAGE 1A	6,531	8,375	--	2,000	--	1,768	--	2
		STAGE 1A SUBTOTALS			87,330	18,625	4,000	4,000	500	1,768	2	4
1000	STH 142 TO CTH E	486+00	525+00	STAGE 1B	4,852	746	--	--	--	--	--	--
	CTH E INTERCHANGE MAINLINE	525+00	582+00	STAGE 1B	7,091	--	--	--	--	--	--	--
	CTH E TO CTH KR	582+00	632+50	STAGE 1B	6,282	--	--	--	--	--	--	--
	CTH KR INTERCHANGE MAINLINE	632+50	683+50	STAGE 1B	6,344	--	--	--	--	--	--	--
	CTH KR TO STH 11	683+50	730+00	STAGE 1B	5,785	--	--	--	--	--	--	--
	STH 11 INTERCHANGE MAINLINE	730+00	783+00	STAGE 1B	6,593	--	--	--	--	--	--	--
	STH 11 TO STH 20	783+00	829+00	STAGE 1B	4,852	871	--	--	--	--	--	--
	STH 20 INTERCHANGE MAINLINE	829+00	895+00	STAGE 1B	--	8,210	--	--	--	--	--	--
	STH 20 TO CTH K (SOUTH)	895+00	968+00	STAGE 1B	15,177	--	--	--	--	--	--	--
	STH 20 TO CTH K (NORTH)	968+00	1024+00	STAGE 1B	12,566	--	--	--	--	--	--	--
	CTH K INTERCHANGE MAINLINE	1024+00	1093+00	STAGE 1B	15,484	--	--	--	--	--	--	--
	CTH K TO CTH G	1093+00	1137+00	STAGE 1B	15,802	12,566	--	--	--	--	--	--
		STAGE 1B SUBTOTALS			100,827	22,394	0	0	0	0	0	0
		TOTALS			188,157	41,019	4,000	4,000	500	1,768	2	4

* ADDITIONAL QUANTITIES LISTED ELSEWHERE

PAVEMENT MARKING ITEMS

CATEGORY	LOCATION	STATION	TO STATION	STAGE	646.1005 MARKING LINE PAINT 4-INCH YELLOW LF	646.1005 MARKING LINE PAINT 4-INCH WHITE LF	646.1020 MARKING LINE EPOXY 4-INCH YELLOW LF	646.1020 MARKING LINE EPOXY 4-INCH WHITE LF	646.3005 MARKING LINE PAINT 8-INCH WHITE LF	646.3020 MARKING LINE EPOXY 8-INCH WHITE LF	646.6464.S COLD WEATHER MARKING EPOXY 4-INCH LF	646.6468.S COLD WEATHER MARKING EPOXY 8-INCH WHITE LF	649.0150 TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WET REFLECTIVE) YELLOW LF	649.0150 TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WET REFLECTIVE) WHITE LF	649.0505 TEMPORARY MARKING ARROW PAINT EACH	649.0520 TEMPORARY MARKING ARROW EPOXY EACH	649.0760 TEMPORARY MARKING RAISED PAVEMENT MARKER TYPE I EACH
1000	STH 142 TO CTH E	486+00	525+00	STAGE 1A	--	4,201	--	--	125	--	--	--	--	--	--	--	--
	CTH E INTERCHANGE MAINLINE	525+00	582+00	STAGE 1A	--	7,309	--	--	1,238	--	--	--	--	--	2	--	--
	CTH E TO CTH KR	582+00	632+50	STAGE 1A	--	5,000	--	--	--	--	--	--	--	--	--	--	--
	CTH KR INTERCHANGE MAINLINE	632+50	683+50	STAGE 1A	--	5,902	--	--	838	--	--	--	--	--	2	--	--
	CTH KR TO STH 11	683+50	730+00	STAGE 1A	--	4,647	--	--	--	--	--	--	--	--	--	--	--
	STH 11 INTERCHANGE MAINLINE	730+00	783+00	STAGE 1A	--	4,900	--	--	1,713	--	--	--	--	--	--	--	--
	STH 11 TO STH 20	783+00	829+00	STAGE 1A	--	4,600	--	--	--	--	--	--	--	--	--	--	--
	STH 20 INTERCHANGE MAINLINE	829+00	895+00	STAGE 1A	--	6,588	--	--	3,156	--	--	--	--	--	2	--	--
	STH 20 TO CTH K (SOUTH)	895+00	968+00	STAGE 1A	--	5,499	--	--	--	--	--	--	--	--	--	--	--
	STH 20 TO CTH K (NORTH)	968+00	1024+00	STAGE 1A	--	7,501	--	--	--	--	--	--	--	--	--	--	--
	CTH K INTERCHANGE MAINLINE	1024+00	1093+00	STAGE 1A	--	6,852	--	--	2,803	--	--	--	--	--	2	--	--
	CTH K TO CTH G	1093+00	1137+00	STAGE 1A	--	4,201	--	--	--	--	--	--	--	--	--	--	--
					0	67,200	0	0	9,873	0	0	0	0	0	8	0	0
		STAGE 1A SUBTOTALS			67,200		0		9,873	0	0	0	0		8	0	0
1000	STH 142 TO CTH E	486+00	525+00	STAGE 1B	10,802	12,014	--	--	--	--	--	--	--	--	--	--	--
	CTH E INTERCHANGE MAINLINE	525+00	582+00	STAGE 1B	11,400	14,699	--	--	1,573	--	--	--	680	1,360	--	2	50
	CTH E TO CTH KR	582+00	632+50	STAGE 1B	10,050	12,563	--	--	--	--	--	--	--	--	--	--	--
	CTH KR INTERCHANGE MAINLINE	632+50	683+50	STAGE 1B	10,250	13,223	--	--	708	--	--	--	--	--	--	--	--
	CTH KR TO STH 11	683+50	730+00	STAGE 1B	9,298	11,620	--	--	--	--	--	--	--	--	--	--	--
	STH 11 INTERCHANGE MAINLINE	730+00	783+00	STAGE 1B	10,603	13,316	--	--	1,327	--	--	--	--	--	--	2	--
	STH 11 TO STH 20	783+00	829+00	STAGE 1B	9,000	11,250	--	--	--	--	--	--	200	400	--	--	15
	STH 20 INTERCHANGE MAINLINE	829+00	895+00	STAGE 1B	11,315	9,024	--	--	250	--	--	--	1,885	3,620	--	--	117
	STH 20 TO CTH K (SOUTH)	895+00	968+00	STAGE 1B	21,978	26,548	--	--	--	--	--	--	1,520	3,040	--	--	97
	STH 20 TO CTH K (NORTH)	968+00	1024+00	STAGE 1B	16,799	13,999	--	--	--	--	--	--	--	--	--	--	--
	CTH K INTERCHANGE MAINLINE	1024+00	1093+00	STAGE 1B	20,758	17,412	--	--	1,817	--	--	--	--	400	--	2	10
	CTH K TO CTH G	1093+00	1137+00	STAGE 1B	32,375	23,628	--	--	1,014	--	--	--	1,655	3,312	--	2	105
					174,628	179,294	0	0	6,689	0	0	0	5,940	12,132	0	8	395
		STAGE 1B SUBTOTALS			353,922		0		6,689	0	0	0	18,072		0	8	395
		UNDISTRIBUTED					40,000	10,000		4,000	20,000	1,000					
		TOTALS			421,122		50,000		16,562	4,000	20,000	1,000	18,072		8	8	395

* ADDITIONAL QUANTITIES LISTED ELSEWHERE

3

FTMS ITEMS

CATEGORY	LOCATION	STATION	TO	STATION	653.0905 REMOVING PULL BOXES EACH	674.0300 REMOVE CABLE LF
1300	STH 142 TO CTH E	486+00		525+00	--	--
	CTH E INTERCHANGE MAINLINE	525+00		582+00	2	610
	CTH E TO CTH KR	582+00		632+50	--	--
	CTH KR INTERCHANGE MAINLINE	632+50		683+50	--	--
	CTH KR TO STH 11	683+50		730+00	--	--
	STH 11 INTERCHANGE MAINLINE	730+00		783+00	--	--
	STH 11 TO STH 20	783+00		829+00	--	--
	STH 20 INTERCHANGE MAINLINE	829+00		895+00	--	--
	STH 20 TO CTH K (SOUTH)	895+00		968+00	1	--
	STH 20 TO CTH K (NORTH)	968+00		1024+00	1	--
	CTH K INTERCHANGE MAINLINE	1024+00		1093+00	--	--
	CTH K TO CTH G	1093+00		1137+00	1	--
				TOTALS	5	610

SAW CUTTING ITEMS

CATEGORY	LOCATION	STATION	TO	STATION	690.0150* SAWING ASPHALT LF	690.0250* SAWING CONCRETE LF	COMMENTS
1000	STH 142 TO CTH E	486+00		525+00	826	4,896	INCLUDES CROSS OVER QTYS
	CTH E INTERCHANGE MAINLINE	525+00		582+00	340	5,224	
	CTH E TO CTH KR	582+00		632+50	--	6,866	
	CTH KR INTERCHANGE MAINLINE	632+50		683+50	788	7,101	
	CTH KR TO STH 11	683+50		730+00	148	6,116	
	STH 11 INTERCHANGE MAINLINE	730+00		783+00	816	6,884	
	STH 11 TO STH 20	783+00		829+00	--	5,296	
	STH 20 INTERCHANGE MAINLINE	829+00		895+00	--	4,142	
	STH 20 TO CTH K (SOUTH)	895+00		968+00	--	15,986	
	STH 20 TO CTH K (NORTH)	968+00		1024+00	--	7,276	
	CTH K INTERCHANGE MAINLINE	1024+00		1093+00	--	7,180	
	CTH K TO CTH G	1093+00		1137+00	--	10,472	INCLUDES CROSS OVER QTYS
		UNDISTRIBUTED			1,000	--	
				TOTALS	3,918	87,439	

* ADDITIONAL QUANTITIES LISTED ELSEWHERE

BACKFILL SLURRY

CATEGORY	LOCATION	STATION	TO	STATION	SPV.0035.005* BACKFILL SLURRY CY
1000	STH 142 TO CTH E	486+00		525+00	--
	CTH E INTERCHANGE MAINLINE	525+00		582+00	--
	CTH E TO CTH KR	582+00		632+50	16
	CTH KR INTERCHANGE MAINLINE	632+50		683+50	7
	CTH KR TO STH 11	683+50		730+00	3
	STH 11 INTERCHANGE MAINLINE	730+00		783+00	4
	STH 11 TO STH 20	783+00		829+00	--
	STH 20 INTERCHANGE MAINLINE	829+00		895+00	--
	STH 20 TO CTH K (SOUTH)	895+00		968+00	--
	STH 20 TO CTH K (NORTH)	968+00		1024+00	1
	CTH K INTERCHANGE MAINLINE	1024+00		1093+00	--
	CTH K TO CTH G	1093+00		1137+00	3
				TOTAL	34

* ADDITIONAL QUANTITIES LISTED ELSEWHERE

SEWER ACCESS COVER ITEMS

CATEGORY	LOCATION	STATION	TO	STATION	SPV.0060.052 WELDING SEWER ACCESS COVERS EACH
1000	IH 41, STH 142 TO CTH G	486+00		1137+00	29
				TOTALS	29

* ADDITIONAL QUANTITIES LISTED ELSEWHERE

3

PAVEMENT CLEANUP

CATEGORY	LOCATION	STATION	TO	STATION	SPV.0075.090 PAVEMENT CLEANUP PROJECT 1035-04-71 HR
1000	IH 41, STH 142 TO CTH G	486+00		1137+00	100
	TOTAL				100

3

DRAIN SLOTTED VANE LONGITUDINAL

CATEGORY	LOCATION	STATION	TO	STATION	SPV.0090.052* DRAIN SLOTTED VANE LONGITUDINAL LF	COMMENTS
1000	STH 142 TO CTH E	486+00		525+00	675	INCLUDES CROSSOVER QTYS
	CTH E INTERCHANGE MAINLINE	525+00		582+00	548	
	CTH E TO CTH KR	582+00		632+50	24	
	CTH KR INTERCHANGE MAINLINE	632+50		683+50	24	
	CTH KR TO STH 11	683+50		730+00	--	
	STH 11 INTERCHANGE MAINLINE	730+00		783+00	24	
	STH 11 TO STH 20	783+00		829+00	24	
	STH 20 INTERCHANGE MAINLINE	829+00		895+00	1,190	
	STH 20 TO CTH K (SOUTH)	895+00		968+00	24	
	STH 20 TO CTH K (NORTH)	968+00		1024+00	24	
	CTH K INTERCHANGE MAINLINE	1024+00		1093+00	24	
	CTH K TO CTH G	1093+00		1137+00	1,820	INCLUDES CROSSOVER QTYS
			TOTAL		4,401	

* ADDITIONAL QUANTITIES LISTED ELSEWHERE

FIELD OFFICE

CATEGORY	LOCATION	STATION	TO	STATION	SPV.0135.002 FIELD OFFICE SPECIAL MO
1000	IH 41, STH 142 TO CTH G	486+00		1137+00	3
	TOTAL				3

CONSTRUCTION STAKING

CATEGORY	LOCATION	SPV.0105.089 SURVEY PROJECT 1035-04-71 LS
1000	IH 41 (1035-04-71)	1
	TOTAL	1

3

INVASIVE PLANT SPECIES ITEMS

CATEGORY	LOCATION	STATION	TO	STATION	SPV.0170.002 REMOVAL AND DISPOSAL OF INVASIVE PLANT SPECIES STA
1000	STH 142 TO CTH E	486+00		525+00	--
	CTH E INTERCHANGE MAINLINE	525+00		582+00	--
	CTH E TO CTH KR	582+00		632+50	--
	CTH KR INTERCHANGE MAINLINE	632+50		683+50	--
	CTH KR TO STH 11	683+50		730+00	--
	STH 11 INTERCHANGE MAINLINE	730+00		783+00	--
	STH 11 TO STH 20	783+00		829+00	--
	STH 20 INTERCHANGE MAINLINE	829+00		895+00	--
	STH 20 TO CTH K (SOUTH)	895+00		968+00	--
	STH 20 TO CTH K (NORTH)	968+00		1024+00	--
	CTH K INTERCHANGE MAINLINE	1024+00		1093+00	6
	CTH K TO CTH G	1093+00		1137+00	--
	TOTAL				6

* ADDITIONAL QUANTITIES LISTED ELSEWHERE

REMOVING RUMBLE STRIPS

CATEGORY	LOCATION	STATION	TO	STATION	SPV.0180.004 REMOVING CONCRETE RUMBLE STRIPS SY
1000	STH 142 TO CTH E	486+00		525+00	422
	CTH E INTERCHANGE MAINLINE	525+00		582+00	--
	CTH E TO CTH KR	582+00		632+50	--
	CTH KR INTERCHANGE MAINLINE	632+50		683+50	300
	CTH KR TO STH 11	683+50		730+00	493
	STH 11 INTERCHANGE MAINLINE	730+00		783+00	520
	STH 11 TO STH 20	783+00		829+00	293
	STH 20 INTERCHANGE MAINLINE	829+00		895+00	--
	STH 20 TO CTH K (SOUTH)	895+00		968+00	840
	STH 20 TO CTH K (NORTH)	968+00		1024+00	493
	CTH K INTERCHANGE MAINLINE	1024+00		1093+00	900
	CTH K TO CTH G	1093+00		1137+00	800
	TOTAL				5,061

* ADDITIONAL QUANTITIES LISTED ELSEWHERE

3

PROFILE MILLING

CATEGORY	LOCATION	STATION	TO	STATION	SPV.0180.013 PROFILE MILLING SY
1000	STH 142 TO CTH E	486+00		525+00	--
	CTH E INTERCHANGE MAINLINE	525+00		582+00	--
	CTH E TO CTH KR	582+00		632+50	5,611
	CTH KR INTERCHANGE MAINLINE	632+50		683+50	6,656
	CTH KR TO STH 11	683+50		730+00	6,136
	STH 11 INTERCHANGE MAINLINE	730+00		783+00	6,622
	STH 11 TO STH 20	783+00		829+00	5,200
	STH 20 INTERCHANGE MAINLINE	829+00		895+00	--
	STH 20 TO CTH K (SOUTH)	895+00		968+00	7,140
	STH 20 TO CTH K (NORTH)	968+00		1024+00	7,320
	CTH K INTERCHANGE MAINLINE	1024+00		1093+00	7,600
	CTH K TO CTH G	1093+00		1137+00	5,271
	TOTAL				57,556

* ADDITIONAL QUANTITIES LISTED ELSEWHERE

N

REMOVING CONCRETE SURFACE PARTIAL DEPTH TO REMOVE RUMBLE STRIPS

R/L IH 94

IH 94 SB

IH 94 NB

473+00 474+00 475+00 476+00 477+00 478+00 479+00 480+00 481+00 482+00 483+00 484+00 485+00 486+00 487+00

+50 +00 +50 +25 +50

EXISTING MANHOLE STA. 478 + 51.25, 4.25'LT

EXISTING MANHOLE STA. 480 + 00, 4.25'LT

EXISTING MANHOLE STA. 483 + 00, 4.25'LT

B

BEGIN DRAIN SLOTTED VANE STA. 479 + 90, 1.50'LT

BEGIN DRAIN SLOTTED VANE STA. 482 + 90, 1.50'LT

BEGIN DRAIN SLOTTED VANE STA. 485 + 45, 1.50'LT

REMOVING CONCRETE SURFACE PARTIAL DEPTH TO REMOVE RUMBLE STRIPS

REMOVE ASPHALT

WETLAND BOUNDARY

MATCH LINE STA. 487+00

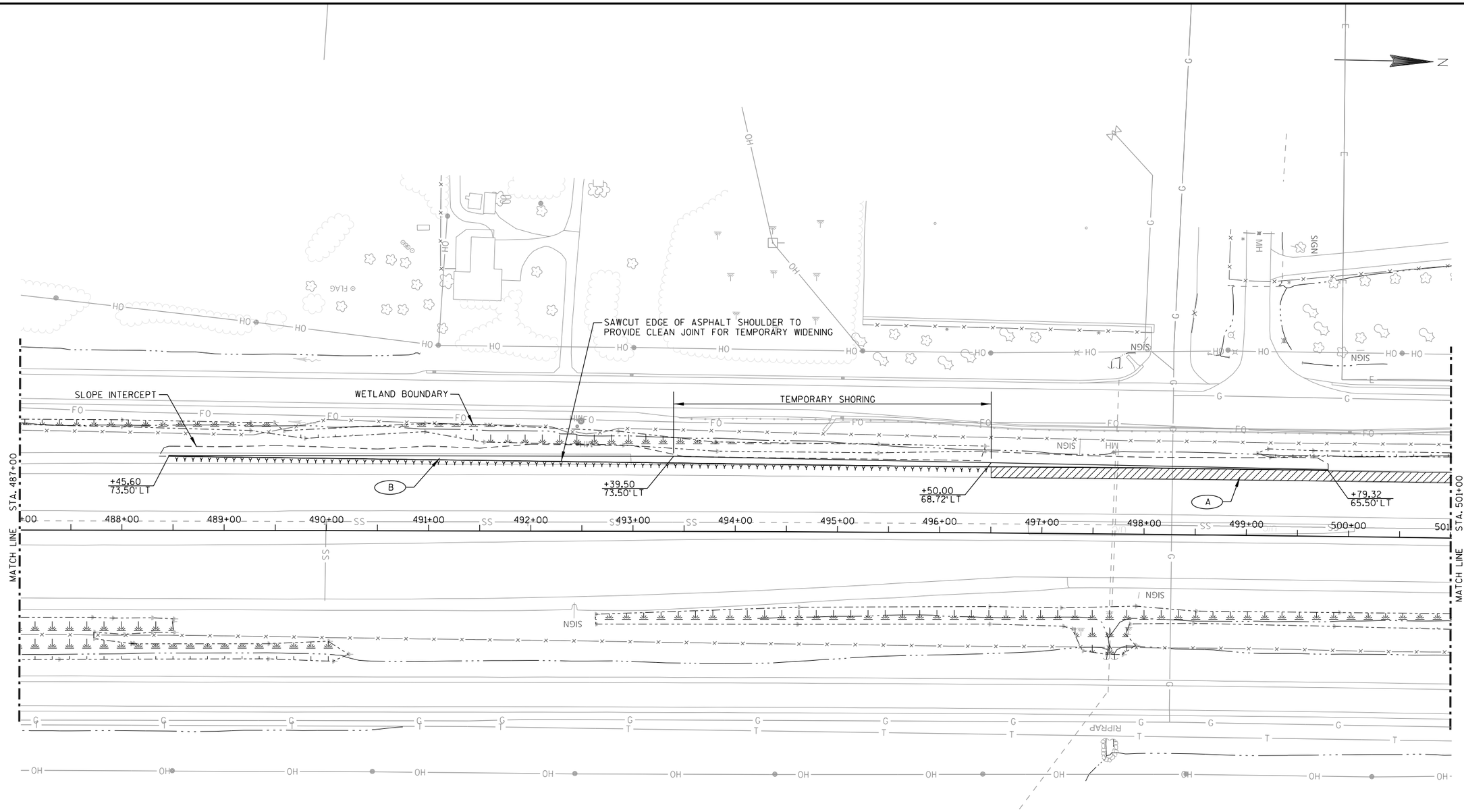
RIPRAP

LEGEND

- REMOVING CONCRETE SURFACE PARTIAL DEPTH
- A — ASPHALTIC SURFACE TEMPORARY, 1.5-INCH MIN.
- B — HMA PAVEMENT 3 MT 58-28 S, 7.5-INCH
- Y Y Y Y — SAWING ASPHALT

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	PLAN: MAINLINE	SHEET 243	E

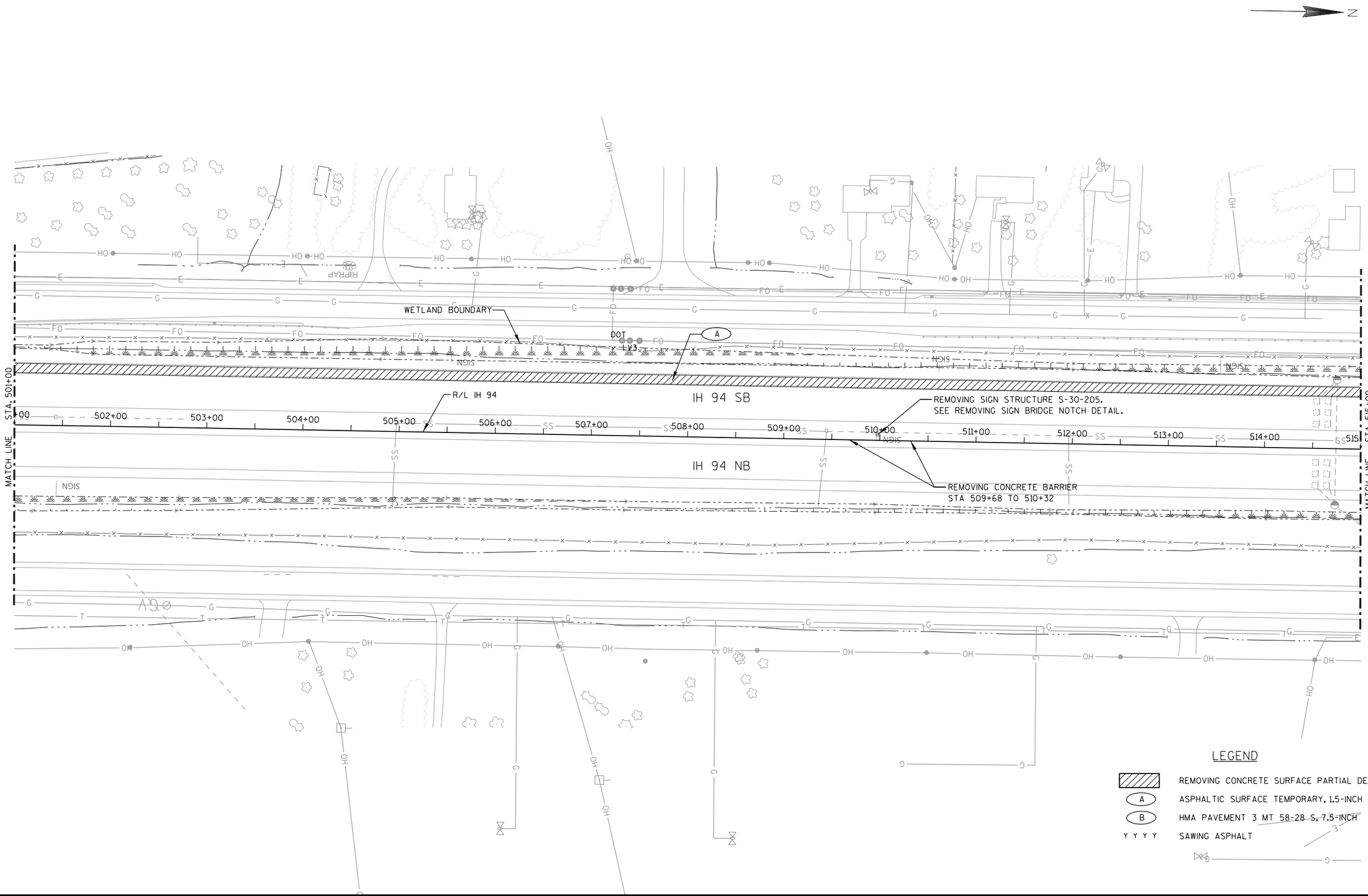
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LEGEND

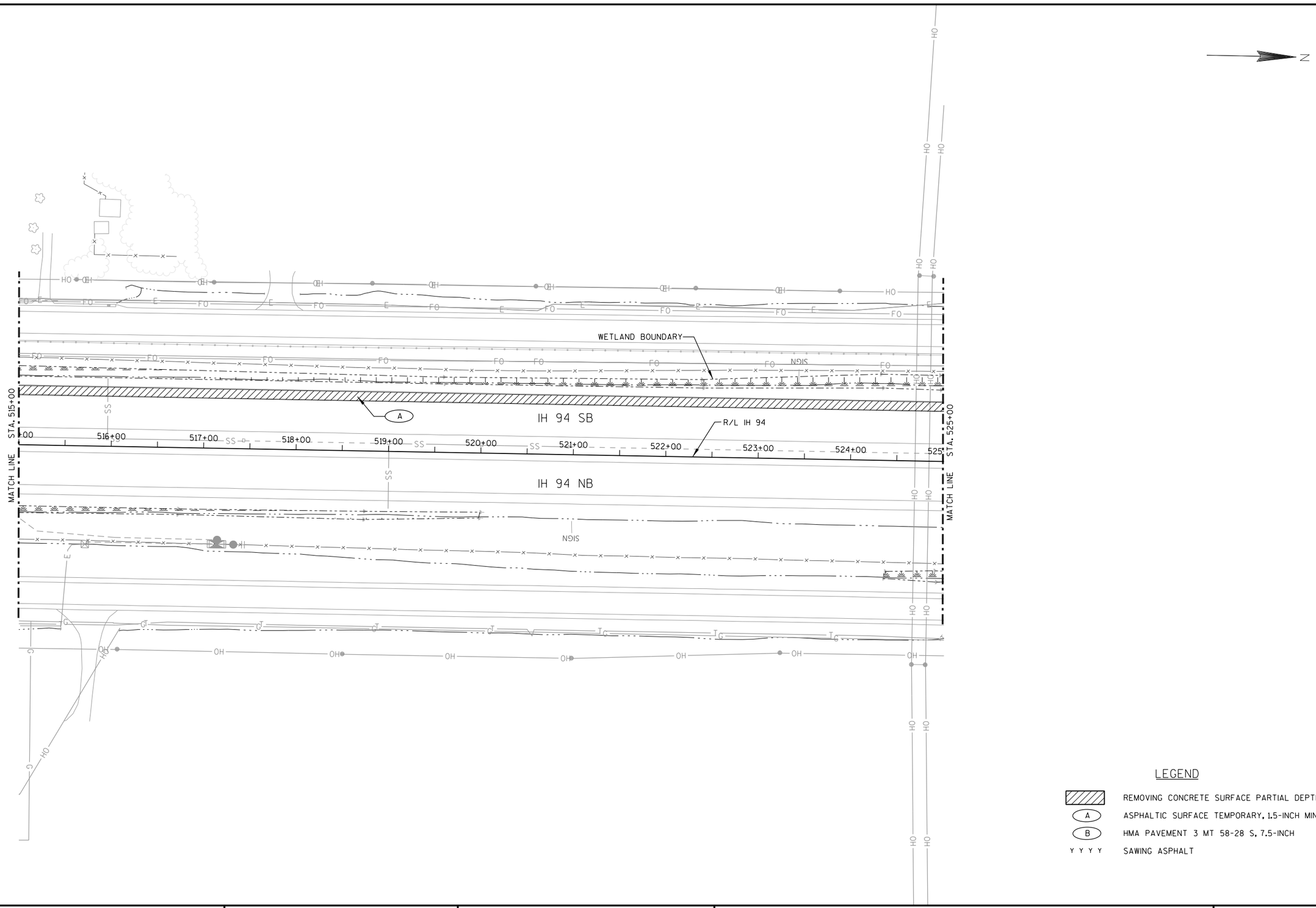
▨	REMOVING CONCRETE SURFACE PARTIAL DEPTH
A	ASPHALTIC SURFACE TEMPORARY, 1.5-INCH MIN.
B	HMA PAVEMENT 3 MT 58-28 S, 7.5-INCH
Y Y Y Y	SAWING ASPHALT

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	PLAN: MAINLINE	SHEET 244	E



PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	PLAN: MAINLINE	SHEET 245	E

FILE NAME : L:\Jobs2008\20080094-01\CAD\Transportation\dgn\00\1035-04-71_Mitigation\021203_pd.dgn PLOT DATE : 12/11/2017 PLOT BY : GRAEF PLOT NAME : PLOT SCALE : 100.0000 sf / in.



LEGEND

- REMOVING CONCRETE SURFACE PARTIAL DEPTH
- (A) ASPHALTIC SURFACE TEMPORARY, 1.5-INCH MIN.
- (B) HMA PAVEMENT 3 MT 58-28 S, 7.5-INCH
- Y Y Y Y SAWING ASPHALT

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	PLAN: MAINLINE	SHEET 246	E

NOTE
FOR BENCHMARK INFORMATION SEE THE ALIGNMENT LAYOUT SURVEY CONTROL SHEETS.

N

CAUTION

CP50766

SLAVKO GRCIC AND
DANNY CRISTOFALOS

ENRICO MOSCONI DECLARATION OF TRUST

TLE

R/W

WEST FRONTAGE ROAD

WETLAND BOUNDARY

SLOPE INTERCEPT

+24.17
77.50' LT

B

+95.00
77.50' LT

A

SB ENTRANCE RAMP

SAWCUT EDGE OF SHOULDER TO PROVIDE
CLEAN JOINT FOR TEMPORARY WIDENING

+44.48
64.84' LT

PV04

REMOVE MEDIAN AND SHOULDERS

RECONSTRUCTING INLETS

IH 94 SB

REMOVING CONCRETE SURFACE PARTIAL DEPTH

+00.00
8.38' LT

+00.00
2.38' LT

524 526 528 530 532 534 536

RECONSTRUCTING INLETS

REMOVING CONCRETE BARRIER

+00.00
2.60' LT

+00.00
8.60' LT

IH 94 NB

R/L IH 94

MATCHLINE 538+00

NB EXIT RAMP

WETLAND BOUNDARY

EAST FRONTAGE ROAD

CAUTION

CP53248

WETLAND BOUNDARY

R/W

CP53115

FLIESS FAMILY LTD PARTNERSHIP

YOSEF HAKIMI TRUST AND VALENTINE HAKIMI TRUST

SEPTIC

R/W

PAVEMENT DETAIL LEGEND

A	ASPHALTIC SURFACE TEMPORARY, 1.5-INCH MIN.
B	HMA PAVEMENT 3 MT 58-28 S, 7.5-INCH
PV04	DRAIN SLOTTED VANE LONGITUDINAL
	REMOVING CONCRETE SURFACE PARTIAL DEPTH/ REMOVING ASPHALTIC SURFACE MILLING
X X X X	SAWCUT

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	PLAN: MAINLINE	SHEET	E

FILE NAME : S:\FinalDesign\E\10350471_PW\Roads\cds\050601_pn.dgn PLOT DATE : 11-DEC-2017 12:47 PLOT BY : MSCKCM PLOT NAME : 050601_pn PLOT SCALE : 100:1

NOTE
FOR BENCHMARK INFORMATION SEE THE ALIGNMENT LAYOUT SURVEY CONTROL SHEETS.

ENRICO MOSCONI DECLARATION OF TRUST
JAMES H. LENERS
JOHN SAVAS, STEPHANIE SLAMAR, THOMAS SAVAS, ANDREW SAVAS AND PATRICIA DOWNEY
THE GARY G. RIGGERT REVOCABLE TRUST
MOTI AGARWAL
DANNY CHRISTOFALOS AND MILOVAN GRCIC
CTH E
CP55154
CP9442
CP55215
CP55098
SB ENTRANCE RAMP
SB EXIT RAMP
IH 94 SB
IH 94 NB
R/L IH 94
NB EXIT RAMP
NB ENTRANCE RAMP
SAWCUT EDGE OF SHOULDER TO PROVIDE CLEAN JOINT FOR TEMPORARY WIDENING
REMOVING CURB & GUTTER
+83.03 77.27' LT
+23.00 96.14' LT
+23.73 90.14' LT
+83.42 65.00' LT
+29.21 64.90' LT
REMOVING CONCRETE SURFACE PARTIAL DEPTH
WETLAND BOUNDARY
MATCHLINE 538+00
MATCHLINE 553+00
YOSEF HAKIMI TRUST AND VALENTINE HAKIMI TRUST
FLEISS FAMILY LIMITED PARTNERSHIP
GURVINDER SINGH AND GURDEEP SINGH
ALBERT F. & MARY PAT RUFFALO TRUST
R/W
TLE
PIPL
PLE
CAUTION

PAVEMENT DETAIL LEGEND

A	ASPHALTIC SURFACE TEMPORARY, 1.5-INCH MIN.
B	HMA PAVEMENT 3 MT 58-28 S, 7.5-INCH
PV04	DRAIN SLOTTED VANE LONGITUDINAL
	REMOVING CONCRETE SURFACE PARTIAL DEPTH/ REMOVING ASPHALTIC SURFACE MILLING
X X X X	SAWCUT

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	PLAN: MAINLINE	SHEET	E

FILE NAME : S:\FinalDesign\E\10350471_PW\Roads\cds\050602_pn.dgn PLOT DATE : 11-DEC-2017 12:47 PLOT BY : MSCKCM PLOT NAME : 050602_pn PLOT SCALE : 100:1

NOTE
FOR BENCHMARK INFORMATION SEE THE ALIGNMENT LAYOUT SURVEY CONTROL SHEETS.

DANNY CHRISTOFALOS AND MILOVAN GRCIC

KENOSHA COUNTY
LAND VENTURE

WEST FRONTAGE ROAD

SB EXIT RAMP

NB ENTRANCE RAMP

IH 94 SB

IH 94 NB

119TH CT

ALBERT F. & MARY PAT
RUFFALO TRUST

THE JEROME C.
AND CATHRYN J.
WILLKOMM
REVOCABLE JOINT
FAMILY TRUST

ARLO F. AND JEANNE L. FUNK TRUST

CP9442
CP55215
CP55098
CP57245

EXCB01
SD5-30-089

EXPB3
EXPB4
EXPB5
EXPB7
EXPB8

REMOVE CABLE
REMOVE PULL BOX
REMOVING CONCRETE SURFACE PARTIAL DEPTH
SAWCUT EDGE OF SHOULDER TO PROVIDE
CLEAN JOINT FOR TEMPORARY WIDENING

WETLAND BOUNDARY
SLOPE INTERCEPT

26.00
-65.24'LT
80.00
-73.50'LT
74.00
-73.50'LT
74.00
-64.88'LT
+37.94
95.54'LT
845.5'R
+68.06
85.50'LT
+50.00
9.00'LT
+50.00
3.00'LT
PVO4

R/L IH 94
R/L NET
12NET
14NET

MATCHLINE 553+00
MATCHLINE 568+00

554 556 558 560 562 564 566

R/W
TLE
OH
FO
SS
PLE

PAVEMENT DETAIL LEGEND

A	ASPHALTIC SURFACE TEMPORARY, 1.5-INCH MIN.
B	HMA PAVEMENT 3 MT 58-28 S, 7.5-INCH
PVO4	DRAIN SLOTTED VANE LONGITUDINAL
▨	REMOVING CONCRETE SURFACE PARTIAL DEPTH/ REMOVING ASPHALTIC SURFACE MILLING
X X X X	SAWCUT

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	PLAN: MAINLINE	SHEET	E

FILE NAME : S:\FinalDesign\E\10350471_PW\Roads\cds\050603_pn.dgn PLOT DATE : 11-DEC-2017 12:47 PLOT BY : MSCKCM PLOT NAME : 050603_pn PLOT SCALE : 100:1

NOTE
FOR BENCHMARK INFORMATION SEE THE ALIGNMENT LAYOUT SURVEY CONTROL SHEETS.

KENOSHA COUNTY LAND VENTURE

RUINS
RUINS
N
CP59105
PLE
R/W
WETLAND BOUNDARY
TEMPORARY SHORING
+00.00
85.50'LT
+50.20
85.50'LT
+60.00
76.72'LT
WETLAND BOUNDARY
+00.00
73.50'LT
SLOPE INTERCEPT
+00.00
73.50'LT
WEST FRONTAGE ROAD
TEMPORARY SHORING
+00.03
73.50'LT
B
B
PV04
+00.00
9.00'LT
16NET
18NET
R/L NET
IH 94 SB
20NET
22NET
REMOVING CONCRETE SURFACE PARTIAL DEPTH
24NET
A
MATCHLINE 568+00
568
570
572
574
576
578
580
582
MATCHLINE 583+00
RECONSTRUCTING INLETS
+00.00
3.00'LT
IH 94 NB
R/L IH 94
SAWCUT EDGE OF SHOULDER TO PROVIDE
CLEAN JOINT FOR TEMPORARY WIDENING
WETLAND BOUNDARY
WETLAND BOUNDARY
NB ENTRANCE RAMP
119TH CT
EAST FRONTAGE ROAD
CP57245
KONRAD & ANNA FUTTERER
WETLAND
BOUNDARY
R/W
HENRY E. FELDBUSCH
RONNIE D. &
SERELDA A. LEEK

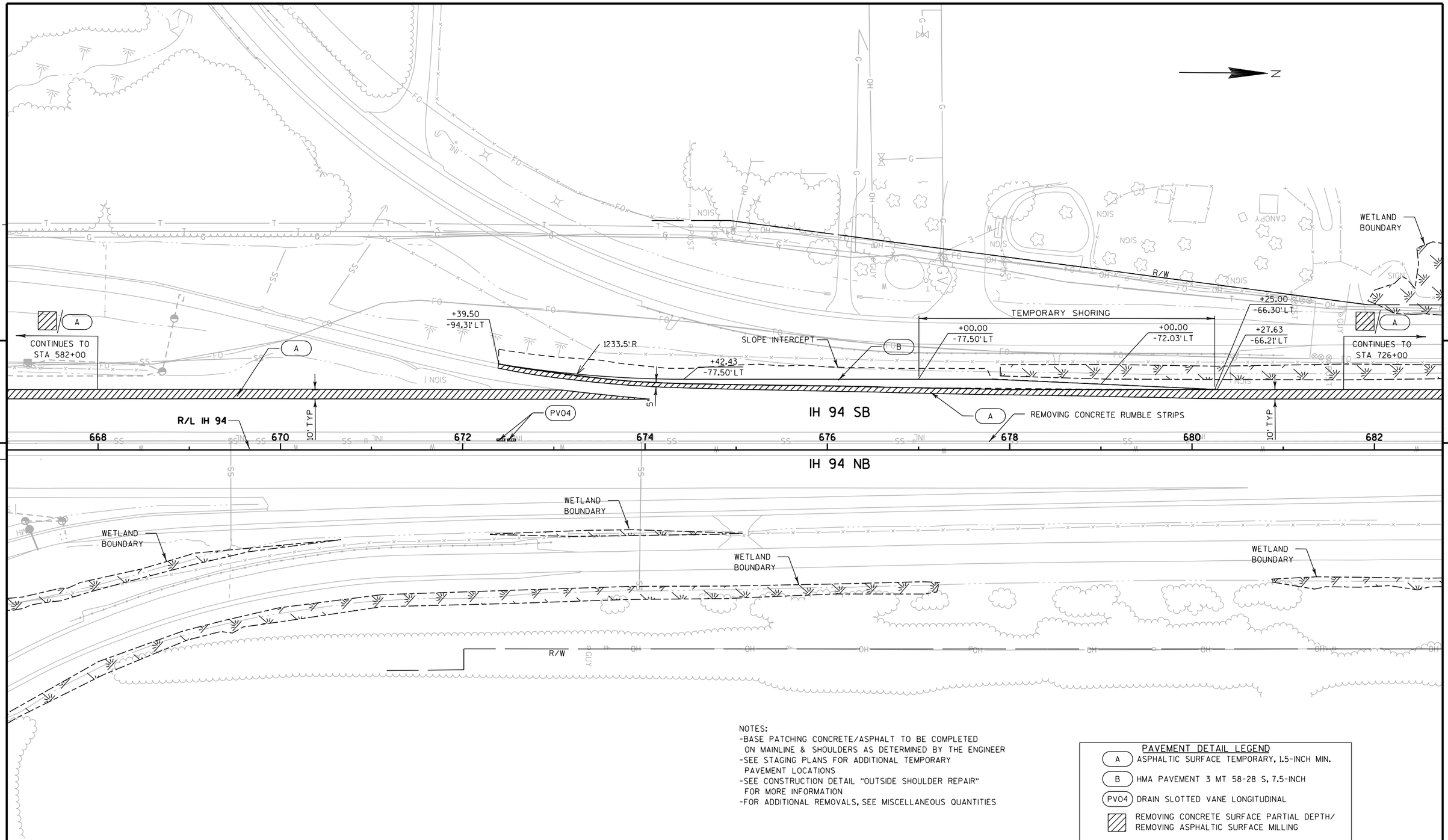
SLOPE INTERCEPT
WETLAND BOUNDARY
REMOVING CONCRETE SURFACE PARTIAL DEPTH
B
+40.00
65.50'LT
A
IH 94 SB
MATCHLINE 583+00
584
586
R/L IH 94
IH 94 NB
WETLAND BOUNDARY

PAVEMENT DETAIL LEGEND

A	ASPHALTIC SURFACE TEMPORARY, 1.5-INCH MIN.
B	HMA PAVEMENT 3 MT 58-28 S, 7.5-INCH
PV04	DRAIN SLOTTED VANE LONGITUDINAL
	REMOVING CONCRETE SURFACE PARTIAL DEPTH/ REMOVING ASPHALTIC SURFACE MILLING
X X X X	SAWCUT

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	PLAN: MAINLINE	SHEET	E

FILE NAME : S:\FinalDesign\E\10350471_PW\Roads\cds\050604_pn.dgn PLOT DATE : 11-DEC-2017 12:47 PLOT BY : MSCKCM PLOT NAME : 050604_pn PLOT SCALE : 100:1



NOTES:
-BASE PATCHING CONCRETE/ASPHALT TO BE COMPLETED ON MAINLINE & SHOULDERS AS DETERMINED BY THE ENGINEER
-SEE STAGING PLANS FOR ADDITIONAL TEMPORARY PAVEMENT LOCATIONS
-SEE CONSTRUCTION DETAIL "OUTSIDE SHOULDER REPAIR" FOR MORE INFORMATION
-FOR ADDITIONAL REMOVALS, SEE MISCELLANEOUS QUANTITIES

PAVEMENT DETAIL LEGEND

A	ASPHALTIC SURFACE TEMPORARY, 1.5-INCH MIN.
B	HMA PAVEMENT 3 MT 58-28 S, 7.5-INCH
PV04	DRAIN SLOTTED VANE LONGITUDINAL
▨	REMOVING CONCRETE SURFACE PARTIAL DEPTH/ REMOVING ASPHALTIC SURFACE MILLING
XXXX	SAWING CONCRETE

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	PLAN: MAINLINE	SHEET 251	E

WEST FRONTAGE ROAD

EAST FRONTAGE ROAD

IH-94 SB

IH-94 NB

SB ENTRANCE RAMP

NB EXIT RAMP

R/W

TEMPORARY SHORING

+55.00
-65.40'LT

+52.33
-65.29'LT

+25.00
-67.71'LT

+00.00
-73.54'LT

+75.00
-76.00'LT

+18.72
-77.50'LT

+15.66
-77.50'LT

SLOPE INTERCEPT

WETLAND BOUNDARY

CONTINUES TO STA 682+00

CONTINUES TO STA 802+00

WETLAND BOUNDARY

10' TYP.

REMOVING CONCRETE RUMBLE STRIPS

R/L IH 94

726 728 730 732 734 736 738 740

NOTES:
-BASE PATCHING CONCRETE/ASPHALT TO BE COMPLETED ON MAINLINE & SHOULDERS AS DETERMINED BY THE ENGINEER
-SEE STAGING PLANS FOR ADDITIONAL TEMPORARY PAVEMENT LOCATIONS
-SEE CONSTRUCTION DETAIL "OUTSIDE SHOULDER REPAIR" FOR MORE INFORMATION
-FOR ADDITIONAL REMOVALS, SEE MISCELLANEOUS QUANTITIES

PAVEMENT DETAIL LEGEND

A	ASPHALTIC SURFACE TEMPORARY, 1.5-INCH MIN.
B	HMA PAVEMENT 3 MT 58-28 S, 7.5-INCH
PV04	DRAIN SLOTTED VANE LONGITUDINAL
▨	REMOVING CONCRETE SURFACE PARTIAL DEPTH/ REMOVING ASPHALTIC SURFACE MILLING
XXXX	SAWING CONCRETE

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	PLAN: MAINLINE	SHEET 252	E

WETLAND BOUNDARY

WEST FRONTAGE ROAD

A

CONTINUES TO STA 740+00

WETLAND BOUNDARY

WETLAND BOUNDARY

A

CONTINUES TO STA 829+00

WETLAND BOUNDARY

5

5

IH 94 SB

PV04

R/L IH 94

A

REMOVING CONCRETE RUMBLE STRIPS

802 804 806 808 810 812 814 816

IH 94 NB

WETLAND BOUNDARY

WETLAND BOUNDARY

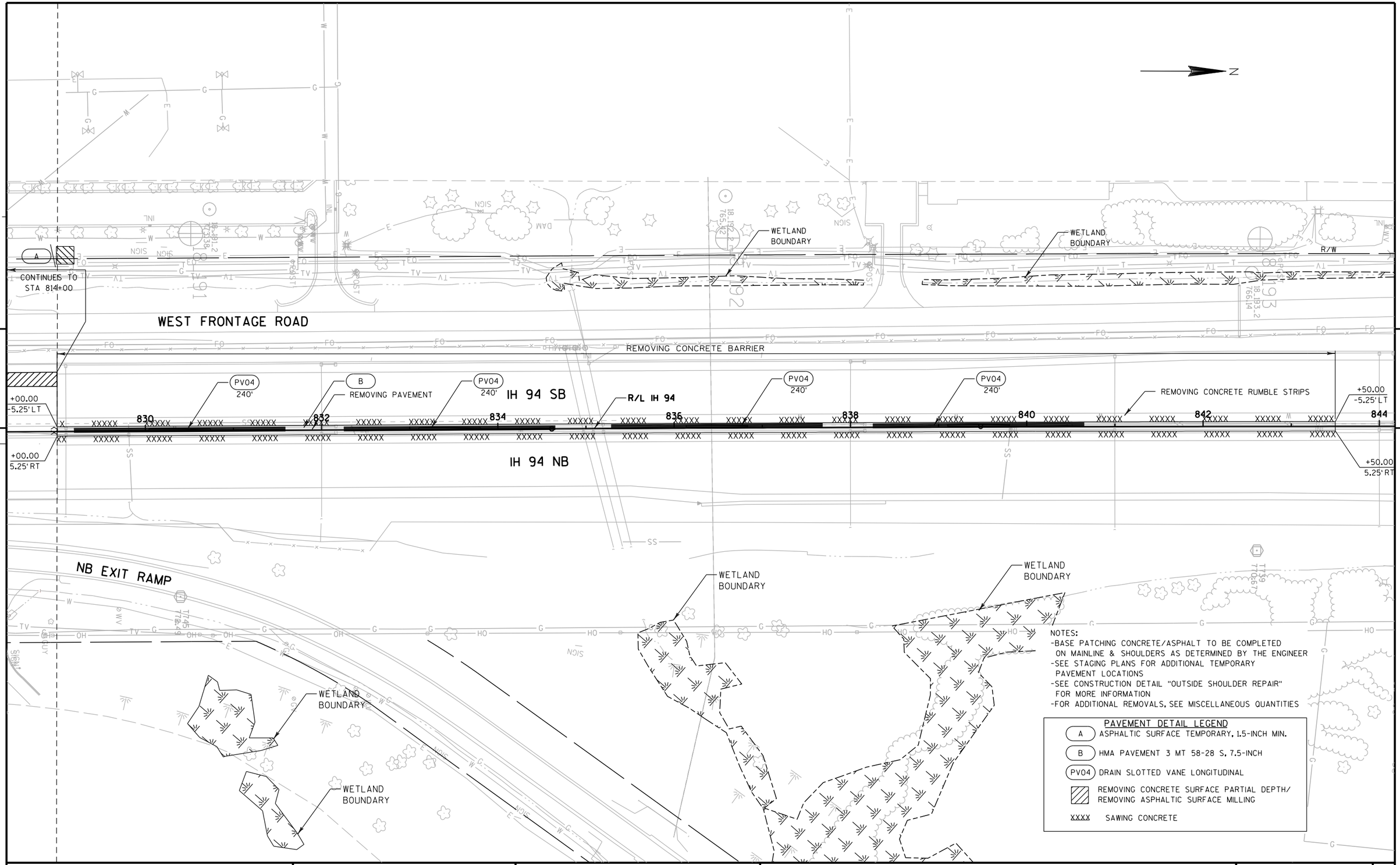
SOUTHEAST FRONTAGE ROAD

NOTES:
-BASE PATCHING CONCRETE/ASPHALT TO BE COMPLETED ON MAINLINE & SHOULDERS AS DETERMINED BY THE ENGINEER
-SEE STAGING PLANS FOR ADDITIONAL TEMPORARY PAVEMENT LOCATIONS
-SEE CONSTRUCTION DETAIL "OUTSIDE SHOULDER REPAIR" FOR MORE INFORMATION
-FOR ADDITIONAL REMOVALS, SEE MISCELLANEOUS QUANTITIES

PAVEMENT DETAIL LEGEND

A	ASPHALTIC SURFACE TEMPORARY, 1.5-INCH MIN.
B	HMA PAVEMENT 3 MT 58-28 S, 7.5-INCH
PV04	DRAIN SLOTTED VANE LONGITUDINAL
▨	REMOVING CONCRETE SURFACE PARTIAL DEPTH/ REMOVING ASPHALTIC SURFACE MILLING
XXXX	SAWING CONCRETE

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	PLAN: MAINLINE	SHEET 253	E

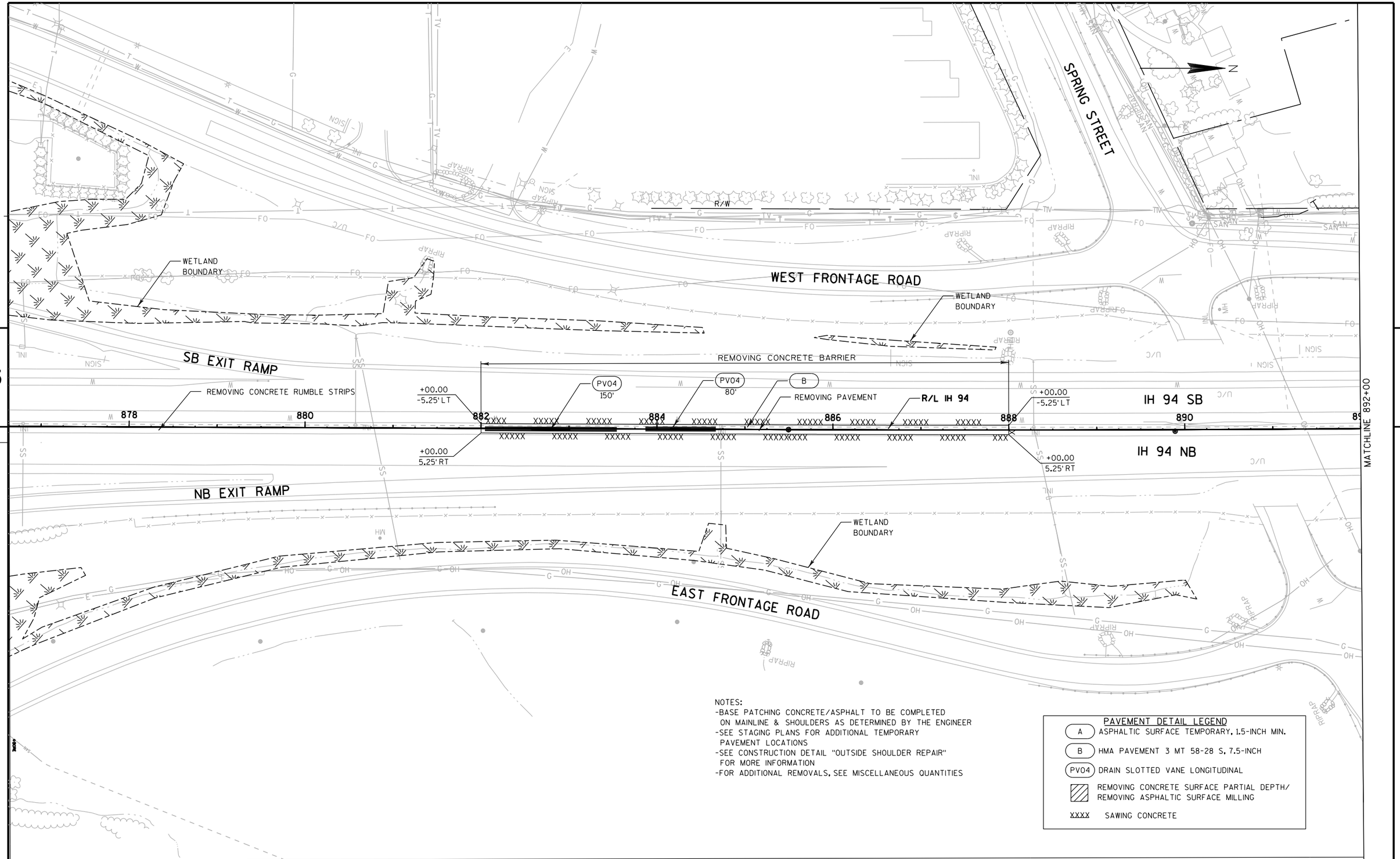


NOTES:
- BASE PATCHING CONCRETE/ASPHALT TO BE COMPLETED ON MAINLINE & SHOULDERS AS DETERMINED BY THE ENGINEER
- SEE STAGING PLANS FOR ADDITIONAL TEMPORARY PAVEMENT LOCATIONS
- SEE CONSTRUCTION DETAIL "OUTSIDE SHOULDER REPAIR" FOR MORE INFORMATION
- FOR ADDITIONAL REMOVALS, SEE MISCELLANEOUS QUANTITIES

PAVEMENT DETAIL LEGEND

A	ASPHALTIC SURFACE TEMPORARY, 1.5-INCH MIN.
B	HMA PAVEMENT 3 MT 58-28 S, 7.5-INCH
PV04	DRAIN SLOTTED VANE LONGITUDINAL
▨	REMOVING CONCRETE SURFACE PARTIAL DEPTH/ REMOVING ASPHALTIC SURFACE MILLING
XXXX	SAWING CONCRETE

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	PLAN: MAINLINE	SHEET 254	E



5

5

NOTES:
-BASE PATCHING CONCRETE/ASPHALT TO BE COMPLETED ON MAINLINE & SHOULDERS AS DETERMINED BY THE ENGINEER
-SEE STAGING PLANS FOR ADDITIONAL TEMPORARY PAVEMENT LOCATIONS
-SEE CONSTRUCTION DETAIL "OUTSIDE SHOULDER REPAIR" FOR MORE INFORMATION
-FOR ADDITIONAL REMOVALS, SEE MISCELLANEOUS QUANTITIES

PAVEMENT DETAIL LEGEND

A	ASPHALTIC SURFACE TEMPORARY, 1.5-INCH MIN.
B	HMA PAVEMENT 3 MT 58-28 S, 7.5-INCH
PV04	DRAIN SLOTTED VANE LONGITUDINAL
▨	REMOVING CONCRETE SURFACE PARTIAL DEPTH/ REMOVING ASPHALTIC SURFACE MILLING
XXXX	SAWING CONCRETE

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	PLAN: MAINLINE	SHEET 255 E

FILE NAME : P:\44xx\4444_DP.I94.RAC\Racine\CADDS\WZ Prep_142-G\CDS\024505_PN.dgn PLOT DATE : 12/12/2017 PLOT BY : hxt PLOT NAME : PLOT SCALE : 1:100

5

5

MATCHLINE 892+00

WEST FRONTAGE ROAD

WETLAND BOUNDARY

WETLAND BOUNDARY

WETLAND BOUNDARY

A

CONTINUES TO STA 916+00

REMOVING CONCRETE RUMBLE STRIPS

R/L IH 94

PV04

IH 94 SB

892 894 896 898 900 902 904 906

IH 94 NB

WETLAND BOUNDARY

EAST FRONTAGE ROAD

R/W

R/W

EXPB9130
REMOVE PULL BOX

R/L IH 94

912

IH 94 SB

914

IH 94 NB

NOTES:
-BASE PATCHING CONCRETE/ASPHALT TO BE COMPLETED ON MAINLINE & SHOULDERS AS DETERMINED BY THE ENGINEER
-SEE STAGING PLANS FOR ADDITIONAL TEMPORARY PAVEMENT LOCATIONS
-SEE CONSTRUCTION DETAIL "OUTSIDE SHOULDER REPAIR" FOR MORE INFORMATION
-FOR ADDITIONAL REMOVALS, SEE MISCELLANEOUS QUANTITIES

PAVEMENT DETAIL LEGEND

A	ASPHALTIC SURFACE TEMPORARY, 1.5-INCH MIN.
B	HMA PAVEMENT 3 MT 58-28 S, 7.5-INCH
PV04	DRAIN SLOTTED VANE LONGITUDINAL
	REMOVING CONCRETE SURFACE PARTIAL DEPTH/ REMOVING ASPHALTIC SURFACE MILLING
XXXX	SAWING CONCRETE

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	PLAN: MAINLINE	SHEET 256	E

WEST FRONTAGE ROAD

+77.00
-55.00'LT

SEE STAGING TYPICAL SECTIONS
FOR SHOULDER REPLACEMENT

REMOVING CONCRETE RUMBLE STRIPS

R/L IH 94

IH 94 SB

IH 94 NB

CONTINUES TO
STA 908+74

934 936 938 940 942 944 946

MATCHLINE 948+00

R/W

EAST FRONTAGE ROAD

REMOVE STORM SEWER 42-INCH
INSTALL CULVERT PIPE TEMPORARY 42-INCH
AS DIRECTED BY THE ENGINEER
CONCRETE COLLAR REQUIRED

WETLAND
BOUNDARY

NOTES:
-BASE PATCHING CONCRETE/ASPHALT TO BE COMPLETED
ON MAINLINE & SHOULDERS AS DETERMINED BY THE ENGINEER
-SEE STAGING PLANS FOR ADDITIONAL TEMPORARY
PAVEMENT LOCATIONS
-SEE CONSTRUCTION DETAIL "OUTSIDE SHOULDER REPAIR"
FOR MORE INFORMATION
-FOR ADDITIONAL REMOVALS, SEE MISCELLANEOUS QUANTITIES

PAVEMENT DETAIL LEGEND

A	ASPHALTIC SURFACE TEMPORARY, 1.5-INCH MIN.
B	HMA PAVEMENT 3 MT 58-28 S, 7.5-INCH
PV04	DRAIN SLOTTED VANE LONGITUDINAL
▨	REMOVING CONCRETE SURFACE PARTIAL DEPTH/ REMOVING ASPHALTIC SURFACE MILLING
XXXX	SAWING CONCRETE

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	PLAN: MAINLINE	SHEET 257	E

FILE NAME : P:\44xx\4444_DP.I94.RAC\Racine\CADDS\WZ Prep_142-G\CDS\024506A_PN.dgn PLOT DATE : 12/12/2017 PLOT BY : hxt PLOT NAME : PLOT SCALE : 1:100

WISDOT/CADDS SHEET 44

N

WEST FRONTAGE ROAD

R/W

WETLAND BOUNDARY

REMOVING PAVEMENT

R/L IH 94

+05.00
-14.30'LT

REMOVING CONCRETE RUMBLE STRIPS

+20.00

IH 94 SB

SEE STAGING TYPICAL SECTIONS FOR SHOULDER REPLACEMENT

+48.50
-45.42'LT

MATCHLINE 948+00

MATCHLINE 963+00

18 950 952 954 956 958 960 962

B

+05.00
23.70'RT

+50.00
23.90'RT

+50.00
11.90'RT

ASPHALTIC SURFACE TEMPORARY, 5-INCH

REMOVE STORM SEWER 6-INCH
953+20-968+00

REMOVING INLETS

REMOVING INLETS

IH 94 NB

REMOVING INLETS

A

WETLAND BOUNDARY

EAST FRONTAGE ROAD

WETLAND BOUNDARY

REMOVE STORM SEWER 18-INCH
INSTALL CULVERT PIPE TEMPORARY 18-INCH
AS DIRECTED BY THE ENGINEER
CONCRETE COLLAR REQUIRED

R/W

NOTES:
-BASE PATCHING CONCRETE/ASPHALT TO BE COMPLETED ON MAINLINE & SHOULDERS AS DETERMINED BY THE ENGINEER
-SEE STAGING PLANS FOR ADDITIONAL TEMPORARY PAVEMENT LOCATIONS
-SEE CONSTRUCTION DETAIL "OUTSIDE SHOULDER REPAIR" FOR MORE INFORMATION
-FOR ADDITIONAL REMOVALS, SEE MISCELLANEOUS QUANTITIES

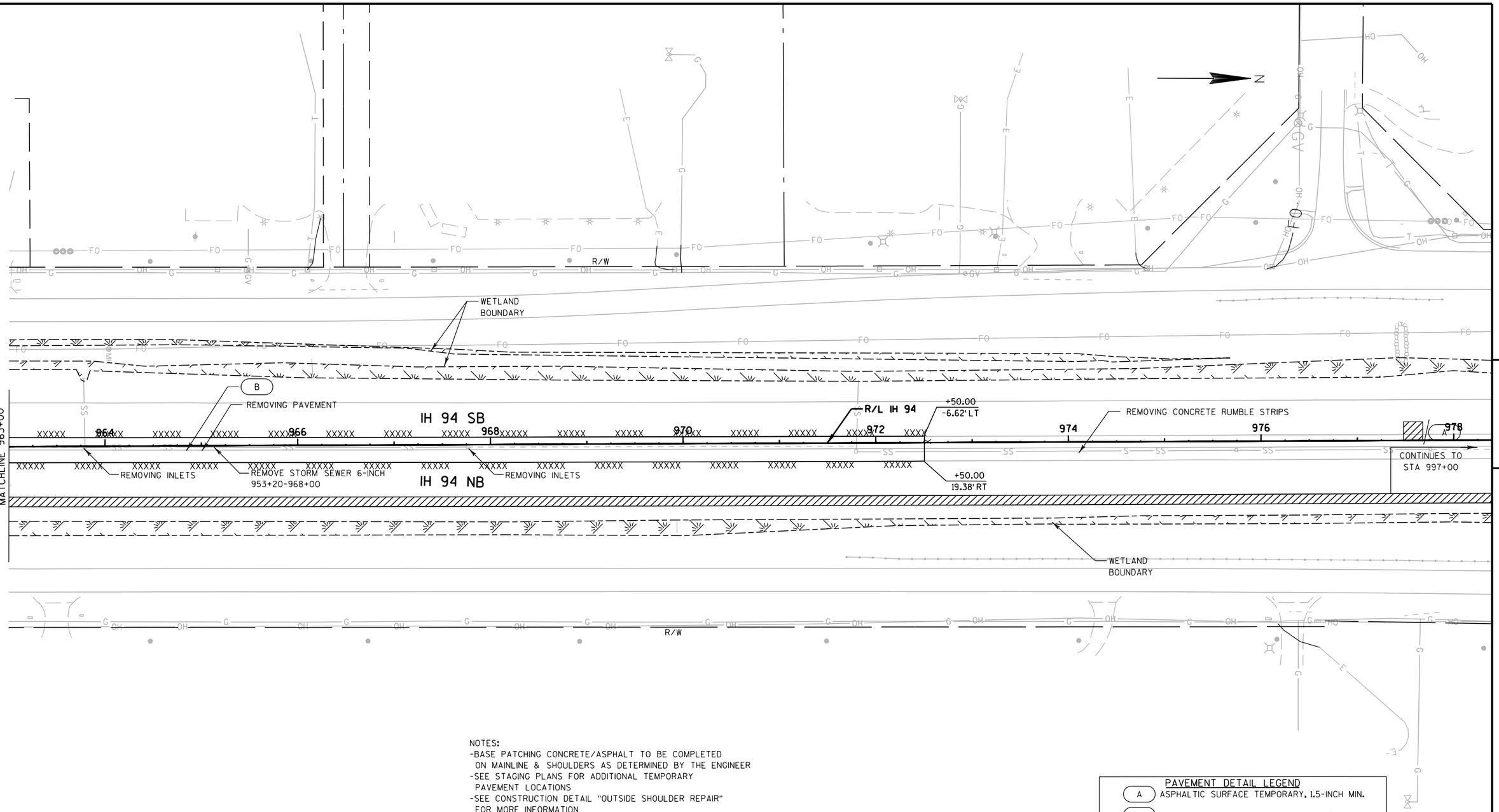
PAVEMENT DETAIL LEGEND

A	ASPHALTIC SURFACE TEMPORARY, 1.5-INCH MIN.
B	HMA PAVEMENT 3 MT 58-28 S, 7.5-INCH
PV04	DRAIN SLOTTED VANE LONGITUDINAL
▨	REMOVING CONCRETE SURFACE PARTIAL DEPTH/ REMOVING ASPHALTIC SURFACE MILLING
XXXX	SAWING CONCRETE

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	PLAN: MAINLINE	SHEET 258	E

FILE NAME : P:\44xx\4444_DP.I94.RAC\Racine\CADDS\WZ Prep_142-G\CDS\024507_PN.dgn PLOT DATE : 12/12/2017 PLOT BY : hxt PLOT NAME : PLOT SCALE : 1:100

WISDOT/CADDS SHEET 44



NOTES:
-BASE PATCHING CONCRETE/ASPHALT TO BE COMPLETED
ON MAINLINE & SHOULDERS AS DETERMINED BY THE ENGINEER
-SEE STAGING PLANS FOR ADDITIONAL TEMPORARY
PAVEMENT LOCATIONS
-SEE CONSTRUCTION DETAIL "OUTSIDE SHOULDER REPAIR"
FOR MORE INFORMATION
-FOR ADDITIONAL REMOVALS, SEE MISCELLANEOUS QUANTITIES

PAVEMENT DETAIL LEGEND

A	ASPHALTIC SURFACE TEMPORARY, 1.5-INCH MIN.
B	HMA PAVEMENT 3 MT 58-28 S, 7.5-INCH
PV04	DRAIN SLOTTED VANE LONGITUDINAL
	REMOVING CONCRETE SURFACE PARTIAL DEPTH/ REMOVING ASPHALTIC SURFACE MILLING
XXXX	SAWING CONCRETE

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	PLAN: MAINLINE	SHEET 259	E

WEST FRONTAGE ROAD

EAST FRONTAGE ROAD

WETLAND BOUNDARY

WETLAND BOUNDARY

WETLAND BOUNDARY

WETLAND BOUNDARY

A

CONTINUES TO STA 962+00

PV04

R/L IH 94

998 1000 1002 1004 1006 1008 1010

MATCHLINE 10111+00

EXPB1011
REMOVE PULL BOX

NOTES:
-BASE PATCHING CONCRETE/ASPHALT TO BE COMPLETED ON MAINLINE & SHOULDERS AS DETERMINED BY THE ENGINEER
-SEE STAGING PLANS FOR ADDITIONAL TEMPORARY PAVEMENT LOCATIONS
-SEE CONSTRUCTION DETAIL "OUTSIDE SHOULDER REPAIR" FOR MORE INFORMATION
-FOR ADDITIONAL REMOVALS, SEE MISCELLANEOUS QUANTITIES

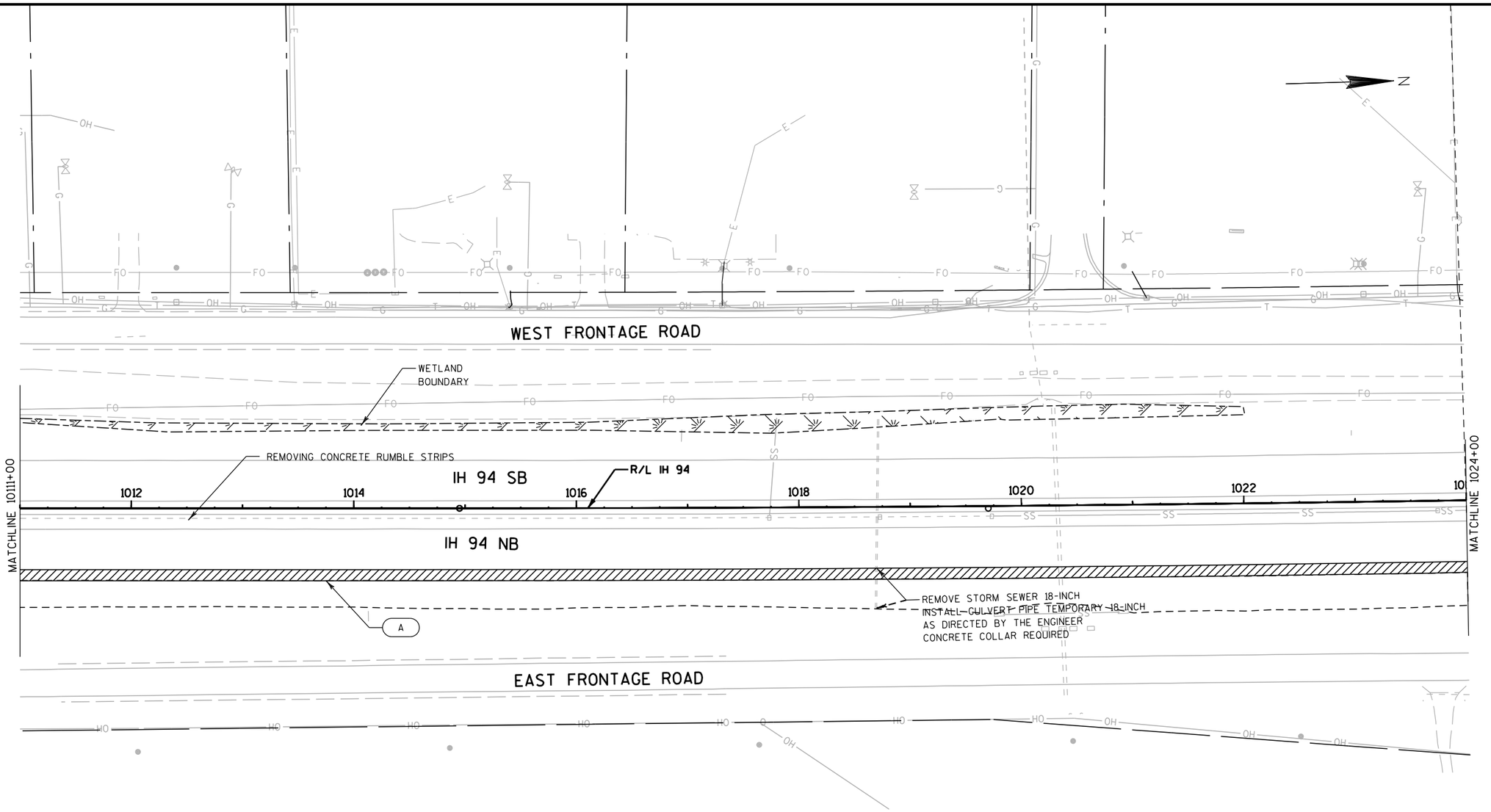
PAVEMENT DETAIL LEGEND

A	ASPHALTIC SURFACE TEMPORARY, 1.5-INCH MIN.
B	HMA PAVEMENT 3 MT 58-28 S, 7.5-INCH
PV04	DRAIN SLOTTED VANE LONGITUDINAL
	REMOVING CONCRETE SURFACE PARTIAL DEPTH/ REMOVING ASPHALTIC SURFACE MILLING
XXXX	SAWING CONCRETE

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	PLAN: MAINLINE	SHEET 260	E

FILE NAME : P:\44xx\4444_DP.I94.RAC\Racine\CADDS\WZ Prep_142-G\CDS\024508_PN.dgn PLOT DATE : 12/12/2017 PLOT BY : hxt PLOT NAME : PLOT SCALE : 1:100

WISDOT/CADDS SHEET 44



NOTES:
-BASE PATCHING CONCRETE/ASPHALT TO BE COMPLETED ON MAINLINE & SHOULDERS AS DETERMINED BY THE ENGINEER
-SEE STAGING PLANS FOR ADDITIONAL TEMPORARY PAVEMENT LOCATIONS
-SEE CONSTRUCTION DETAIL "OUTSIDE SHOULDER REPAIR" FOR MORE INFORMATION
-FOR ADDITIONAL REMOVALS, SEE MISCELLANEOUS QUANTITIES

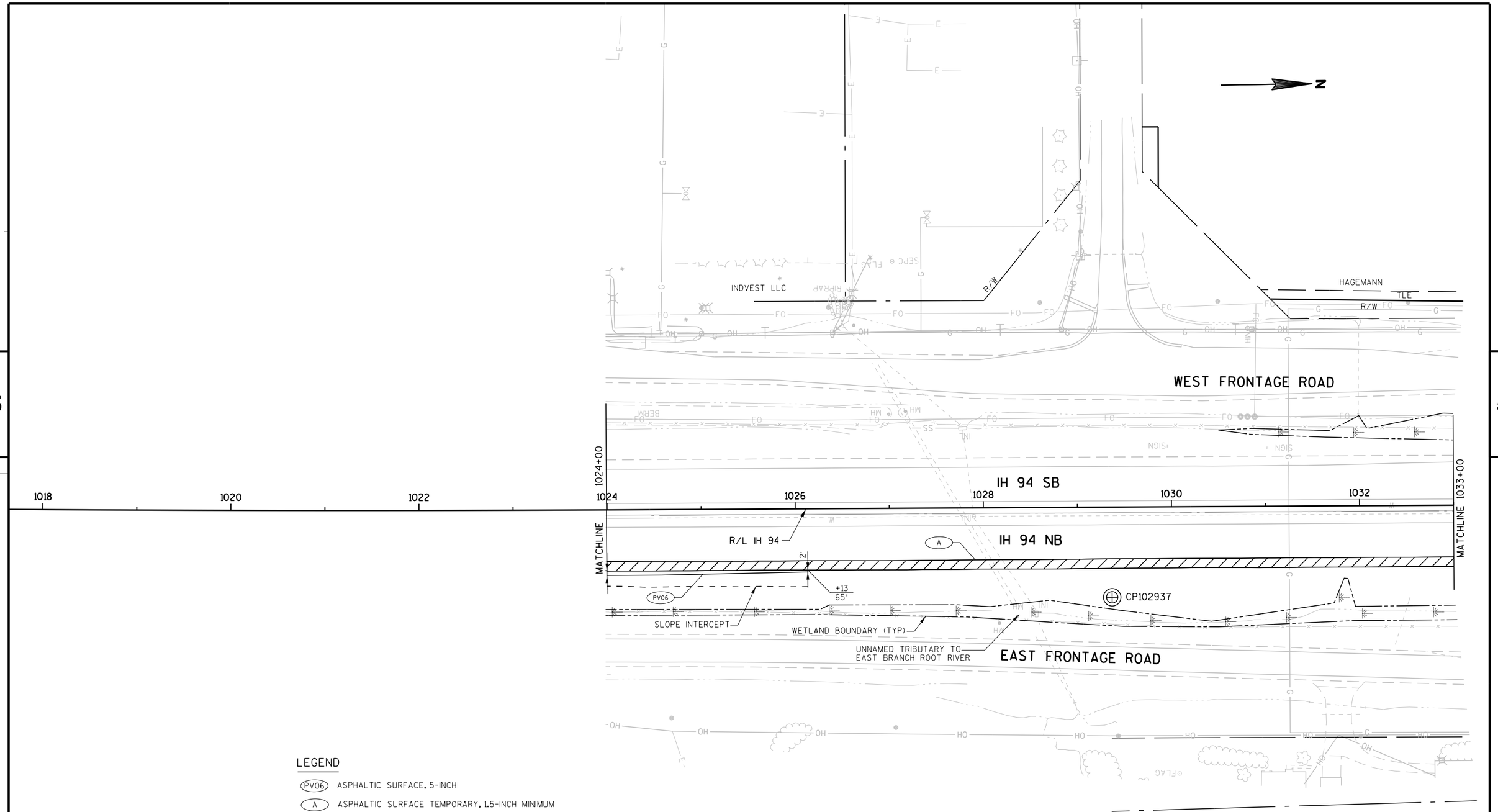
PAVEMENT DETAIL LEGEND

A	ASPHALTIC SURFACE TEMPORARY, 1.5-INCH MIN.
B	HMA PAVEMENT 3 MT 58-28 S, 7.5-INCH
PV04	DRAIN SLOTTED VANE LONGITUDINAL
▨	REMOVING CONCRETE SURFACE PARTIAL DEPTH/ REMOVING ASPHALTIC SURFACE MILLING
XXXX	SAWING CONCRETE

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	PLAN: MAINLINE	SHEET 261	E

FILE NAME : P:\44xx\4444_DP.I94.RAC\Racine\CADDS\WZ Prep_142-G\CDS\024508A_PN.dgn PLOT DATE : 12/12/2017 PLOT BY : hxt PLOT NAME : PLOT SCALE : 1:100

WISDOT/CADDS SHEET 44



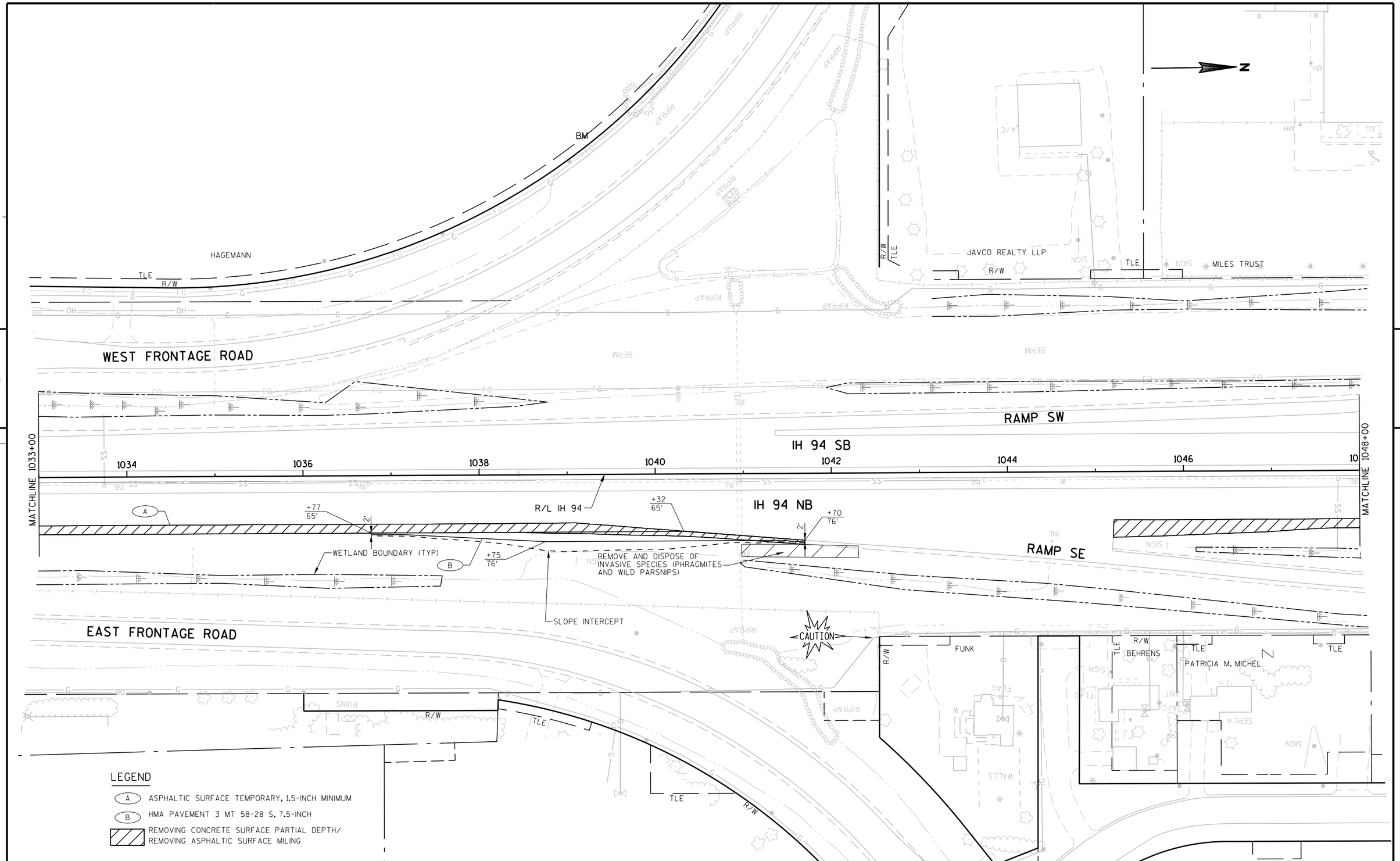
LEGEND

- (PV06) ASPHALTIC SURFACE, 5-INCH
- (A) ASPHALTIC SURFACE TEMPORARY, 1.5-INCH MINIMUM
- (B) HMA PAVEMENT 3 MT 58-28 S, 7.5-INCH
- REMOVING CONCRETE SURFACE PARTIAL DEPTH/ REMOVING ASPHALTIC SURFACE MILING

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	PLAN - IH 94	SCALE, FEET 0 50 100	SHEET 262	E

FILE NAME : F:\BM1-1644D CTH K\10301172_M\Roads\cds\050201_pn.dgn PLOT DATE : 12-DEC-2017 08:22 PLOT BY : ceven PLOT NAME : 050201_pn PLOT SCALE : 100:1

WISDOT/CADDS SHEET 44



PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	PLAN - IH 94	SCALE, FEET 0 50 100	SHEET 263	E

FILE NAME : F:\BM1-1644D CTH K\10301172_M\Roads\cds\050202_pn.dgn PLOT DATE : 12-DEC-2017 08:22 PLOT BY : ceven PLOT NAME : 050202_pn PLOT SCALE : 100:1

WISDOT/CADDS SHEET 44

N

BENCH MARKS

NO.	STATION	DESCRIPTION	ELEVATION
BM105490	1054+89.95, 66.59' RT	BRIDGE DISK TOP PARAPET WALL SE CORNER 194 BRIDGE 51-30-59 OVER CTH K	797.86
BM105631	1056+31.14, 54.94' LT	BRIDGE DISK TOP PARAPET WALL NW CORNER 194 BRIDGE 51-30-59 OVER CTH K	797.79

MILES TRUST
TLE
R/W
WELCH
R/W
HWY K LLC
CTH K EB
CTH K WB
MARITA
R/W
OMEGA INVESTMENT INC

RAMP SW
RAMP NW

MATCHLINE 1048+00
1048
1050
1052
1054
1056
1058
1060
1062
MATCHLINE 1063+00

IH 94 SB
IH 94 NB
R/L IH 94
BM105631
BM105490
EXISTING INLET 1061
INLET 1061A
A
WETLAND BOUNDARY (TYP)

RAMP SE
RAMP NE

TLE
PATRICIA MICHEL
TLE
R/W
JUNE M. MICHEL
MICHELS GARAGE INC
HRIBAR
MICHEL
TLE
R/W

CTH K EB
CTH K WB

LEGEND

- PV06 — ASPHALTIC SURFACE, 5-INCH
- A — ASPHALTIC SURFACE TEMPORARY, 1.5-INCH MINIMUM HMA PAVEMENT 3 MT 58-28 S, 7.5-INCH
- B — REMOVING CONCRETE SURFACE PARTIAL DEPTH/ REMOVING ASPHALTIC SURFACE MILING

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	PLAN - IH 94	SCALE, FEET 0 50 100	SHEET 264 E

FILE NAME : F:\BM1-1644D CTH K\10301172_M\Roads\cds\050203_pn.dgn
PLOT DATE : 12-DEC-2017 08:22
PLOT BY : ceven
PLOT NAME : 050203_pn
PLOT SCALE : 100:1

WISDOT/CADDS SHEET 44

LEGEND

N

PV06 — ASPHALTIC SURFACE, 5-INCH

A — ASPHALTIC SURFACE TEMPORARY, 1.5-INCH MINIMUM

B — HMA PAVEMENT 3 MT 58-28 S, 7.5-INCH

REMOVING CONCRETE SURFACE PARTIAL DEPTH/
REMOVING ASPHALTIC SURFACE MILING

WEST FRONTAGE ROAD

OMEGA INVESMENT INC

R/W

RAMP NW

MATCHLINE 1063+00

EXISTING INLET 1065

INLET 1065A

1064 1066 1068 1070 1072 1074 1076 1078

IH 94 SB

IH 94 NB

R/L IH 94

A

PV06

+37
79'

2

+14
81'

SLOPE INTERCEPT

MATCHLINE 1078+00

WETLAND BOUNDARY (TYP)

RAMP NE

EAST FRONTAGE ROAD

R/W

TLE

B F D ENTERPRISES

BM9153

BENCH MARKS

NO.	STATION	DESCRIPTION	ELEVATION
BM9153	1071+34.34, 374.29' RT	HMOD 9A153	772.32

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	PLAN - IH 94	SCALE, FEET 0 50 100	SHEET 265	E

FILE NAME : F:\BM1-1644D CTH K\10301172_M\Roads\cds\050204_pn.dgn PLOT DATE : 12-DEC-2017 08:22 PLOT BY : ceven PLOT NAME : 050204_pn PLOT SCALE : 100:1

LEGEND

- PV06 — ASPHALTIC SURFACE, 5-INCH
- A — ASPHALTIC SURFACE TEMPORARY, 1.5-INCH MINIMUM
- B — HMA PAVEMENT 3 MT 58-28 S, 7.5-INCH
- REMOVING CONCRETE SURFACE PARTIAL DEPTH/ REMOVING ASPHALTIC SURFACE MILING

N

OMEGA INVESTMENT INC

HUFFARD

R/W

TLE

HAYS

TLE

JOERNDT

NORTH SHORE INVESMENT

WEST FRONTAGE ROAD

MATCHLINE 1078+00

1078 1080 1082 1084 1086 1088 1090 1092

MATCHLINE 1093+00

IH 94 SB

R/L IH 94

IH 94 NB

+18 69'

+65 71'

A

+00 65'

WETLAND BOUNDARY (TYP)

PV06

SLOPE INTERCEPT

EAST FRONTAGE ROAD

REMOVE AND DISPOSE OF INVASIVE SPECIES (PHRAGMITES AND WILD PARSNIPS)

B F D ENTERPRISES

FOUR MILE RD LLC

R/W

DOWDEN

WILLMS

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	PLAN - IH 94	SCALE, FEET 0 50 100	SHEET

FILE NAME : F:\BM1-1644D CTH K\10301172_M\Roads\cds\050205_pn.dgn PLOT DATE : 12-DEC-2017 08:23 PLOT BY : ceven PLOT NAME : 050205_pn PLOT SCALE : 100:1

WISDOT/CADDS SHEET 44

WEST FRONTAGE ROAD

WETLAND BOUNDARY

WETLAND BOUNDARY

REMOVING CONCRETE BARRIER

A

CONTINUES TO STA 1093+00

REMOVING CONCRETE RUMBLE STRIPS

IH 94 SB

+00.00 -5.25'LT

B

REMOVING PAVEMENT

PV04 200'

PV04 240'

+00.00 -5.25'LT

1130 1132 1134 1136 1138 1140 1142 1144

+13.92 75.50'RT

IH 94 NB

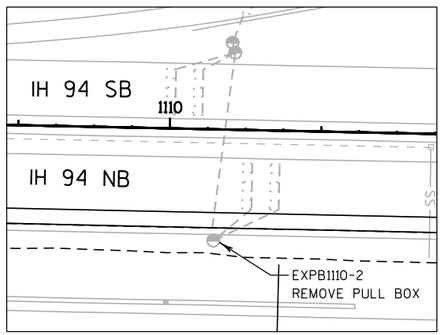
+00.00 5.25'RT

+00.00 5.25'RT

WETLAND BOUNDARY

NB EXIT RAMP

EAST FRONTAGE ROAD



NOTES:
-BASE PATCHING CONCRETE/ASPHALT TO BE COMPLETED ON MAINLINE & SHOULDERS AS DETERMINED BY THE ENGINEER
-SEE STAGING PLANS FOR ADDITIONAL TEMPORARY PAVEMENT LOCATIONS
-SEE CONSTRUCTION DETAIL "OUTSIDE SHOULDER REPAIR" FOR MORE INFORMATION
-FOR ADDITIONAL REMOVALS, SEE MISCELLANEOUS QUANTITIES

PAVEMENT DETAIL LEGEND

A	ASPHALTIC SURFACE TEMPORARY, 1.5-INCH MIN.
B	HMA PAVEMENT 3 MT 58-28 S, 7.5-INCH
PV04	DRAIN SLOTTED VANE LONGITUDINAL
	REMOVING CONCRETE SURFACE PARTIAL DEPTH/ REMOVING ASPHALTIC SURFACE MILLING
XXXX	SAWING CONCRETE

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	PLAN: MAINLINE	SHEET 267	E

FILE NAME : P:\44xx\4444_DP.I94.RAC\Racine\CADDS\WZ Prep_142-G\CDS\024510_PN.dgn PLOT DATE : 12/12/2017 PLOT BY : hxt PLOT NAME : PLOT SCALE : 1:100

WETLAND BOUNDARY

WETLAND BOUNDARY

WETLAND BOUNDARY

WETLAND BOUNDARY

SB EXIT RAMP

NB ENTRANCE RAMP

WEST FRONTAGE ROAD

EAST FRONTAGE ROAD

R/W

REMOVING CONCRETE BARRIER

REMOVING CONCRETE RUMBLE STRIPS

+00.00
-5.25'LT

+00.00
5.25'RT

B
REMOVING PAVEMENT

PV04
180'

PV04
240'

PV04
240'

R/L IH 94

IH 94 SB

IH 94 NB

MATCHLINE 1179+00

1164 1166 1168 1170 1172 1174 1176 1178

NOTES:
-BASE PATCHING CONCRETE/ASPHALT TO BE COMPLETED ON MAINLINE & SHOULDERS AS DETERMINED BY THE ENGINEER
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PV04	DRAIN SLOTTED VANE LONGITUDINAL
	REMOVING CONCRETE SURFACE PARTIAL DEPTH/ REMOVING ASPHALTIC SURFACE MILLING
XXXX	SAWING CONCRETE

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	PLAN: MAINLINE	SHEET 268 E

FILE NAME : P:\44xx\4444_DP.I94.RAC\Racine\CADDS\WZ Prep_142-G\CDS\024511_PN.dgn PLOT DATE : 12/12/2017 PLOT BY : hxt PLOT NAME : PLOT SCALE : 1:100

N

R/W

REMOVING CONCRETE BARRIER

WEST FRONTAGE ROAD

WETLAND BOUNDARY

B

REMOVING PAVEMENT

SB ENTRANCE RAMP

PV04 240'

IH 94 SB

IH 94 NB

+00.00 -5.25'LT

+00.00 5.25'RT

R/L IH 94

MATCHLINE 1179+00

1180 1182 1184 1186 1188 1190 1192 1194

WETLAND BOUNDARY

NB ENTRANCE RAMP

WETLAND BOUNDARY

EAST FRONTAGE ROAD

R/W

FIELD TILE

NOTES:
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XXXX	SAWING CONCRETE

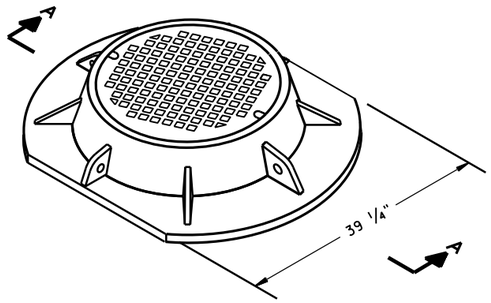
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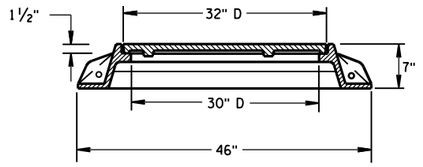
PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	PLAN: MAINLINE	SHEET 269	E

Standard Detail Drawing List

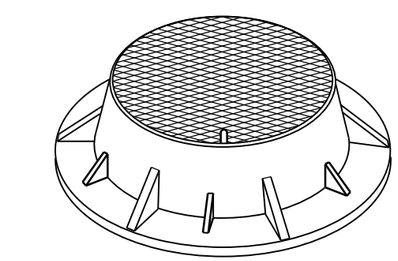
08A05-19D	INLET COVER TYPE BW, MANHOLE COVERS, TYPE K, J, J-S, L & M
08B09-02	MANHOLES 3-FT, 4-FT, 5-FT, 6-FT, 7-FT AND 8-FT DIAMETER
08C06-02	INLETS 3-FT AND 4-FT DIAMETER
08D14-01	SLOTTED VANE DRAIN
08D15-05A	EDGEDRAIN OUTLET AND OUTFALL MARKERS
08E08-03	TYPICAL INSTALLATIONS OF EROSION BALES / TEMPORARY DITCH CHECKS
08E09-06	SILT FENCE
08E10-02	INLET PROTECTION TYPE A, B, C AND D
08E14-01	TRACKING PAD
08F02-01	APRON ENDWALLS FOR PIPE ARCH AND ELLIPTICAL PIPE
08F04-07	JOINT TIES FOR CONCRETE PIPE AND CONCRETE COLLAR DETAIL
08F07-05	STEEL APRON ENDWALLS FOR CULVERT PIPE AND PIPE ARCH SLOPED SIDE FRAINS
13A03-06	CONCRETE PAVEMENT SHOULDERS
13C01-18	CONCRETE PAVEMENT LONGITUDINAL JOINTS AND TIES
13C08-02	CONCRETE PAVEMENT PARTIAL DEPTH REPAIR
13C14-06A	BASE PATCHING CONCRETE
13C14-06B	BASE PATCHING CONCRETE
13C14-06C	BASE PATCHING CONCRETE
14B07-15A	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-15B	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-15C	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-15D	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-15E	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-15F	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-15G	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-15H	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-15I	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B08-02A	CRASH CUSHION/SAND BARREL ARRAY AND OTHER TEMPORARY BARRIER LAYOUT DETAILS
14B08-02B	CRASH CUSHION/SAND BARREL ARRAY AND OTHER TEMPORARY BARRIER LAYOUT DETAILS
14B08-02C	CRASH CUSHION/SAND BARREL ARRAY AND OTHER TEMPORARY BARRIER LAYOUT DETAILS
14B08-02D	CRASH CUSHION/SAND BARREL ARRAY AND OTHER TEMPORARY BARRIER LAYOUT DETAILS
14B08-02E	CRASH CUSHION/SAND BARREL ARRAY AND OTHER TEMPORARY BARRIER LAYOUT DETAILS
15C02-06A	BARRICADES AND SIGNS FOR MAINLINE CLOSURES
15C02-06B	BARRICADES AND SIGNS FOR MAINLINE CLOSURES
15C03-03	BARRICADES AND SIGNS FOR SIDEROAD CLOSURES
15C04-03	TRAFFIC CONTROL, ADVANCE WARNING SIGNS 45 M.P.H. OR GREATER TWO-WAY UNDIVIDED ROAD OPEN TO TRAFFIC
15C08-18A	LONGITUDINAL MARKING (MAINLINE)
15C08-18B	PAVEMENT MARKING (TURN LANES)
15C11-07B	CHANNELIZING DEVICES DRUMS, CONES, BARRICADES AND VERTICAL PANELS
15D03-04	TRAFFIC CONTROL, LANE CLOSURE, SPEEDS GREATER THAN 40 M.P.H. WITH BARRIER
15D12-06A	TRAFFIC CONTROL, LANE CLOSURE
15D14-03	TRAFFIC CONTROL, TWO LANE CLOSURE ON FREEWAY OR EXPRESSWAY, SHORT-TERM (LESS THAN 24 HOURS)
15D15-02	TRAFFIC CONTROL, EXIT AND ENTRANCE RAMP WITHIN LANE CLOSURE
15D15-03A	TRAFFIC CONTROL, PARALLEL ENTRANCE RAMP WITHIN LANE CLOSURE
15D15-03B	TRAFFIC CONTROL, ENTRANCE RAMP WITHIN LANE CLOSURE
15D15-03C	TRAFFIC CONTROL, TAPERED ENTRANCE RAMP WITHIN LANE CLOSURE
15D15-03D	TRAFFIC CONTROL, TAPERED ENTRANCE RAMP WITHIN LANE CLOSURE
15D15-03E	TRAFFIC CONTROL, PARALLEL EXIT RAMP WITHIN LANE CLOSURE
15D16-03	TRAFFIC CONTROL, EXIT RAMP CLOSURE
15D27-03	TRAFFIC CONTROL, SHOULDER CLOSURE ON DIVIDED ROADWAY, SPEEDS GREATER THAN 40 MPH
15D38-02A	TEMPORARY TRAFFIC CONTROL SIGN MOUNTING
15D38-02B	ATTACHMENT OF SIGNS TO POSTS
15D39-01	TRAFFIC CONTROL, DROP-OFF SIGNING

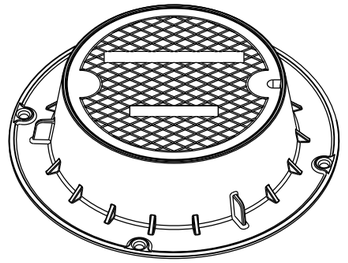
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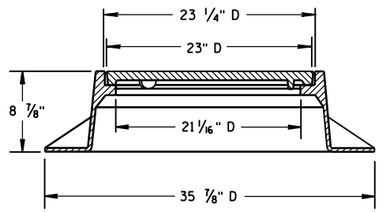


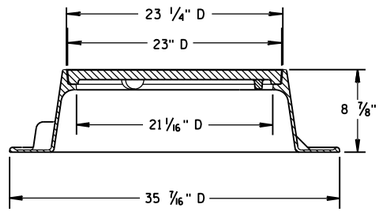


SECTION A-A
TYPE "K"









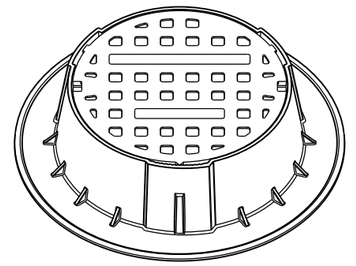
TYPE "J"
NOTE: EITHER CASTING IS ACCEPTABLE

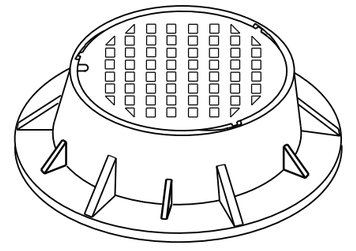
GENERAL NOTES

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

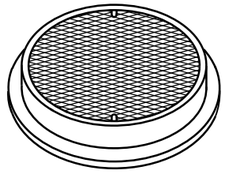
DETAIL DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR MANHOLE COVERS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

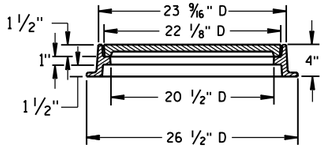
ROUND FRAMES AND COVERS SHALL HAVE CONTINUOUSLY MACHINED BEARING SURFACES TO PREVENT ROCKING AND RATTLING.



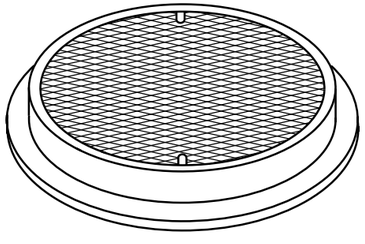


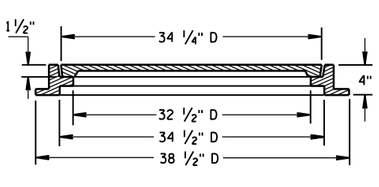
TYPE "J" SPECIAL
TYPE "B" NON-ROCKING SELF-SEAL LID
(NOTED AS TYPE J-S ON THE DRAINAGE TABLE)
NOTE: EITHER CASTING IS ACCEPTABLE



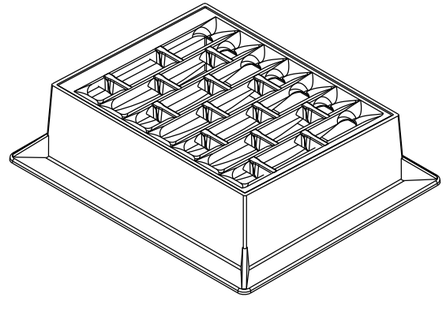


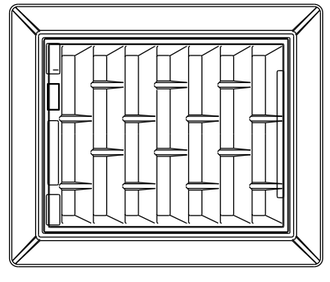
TYPE "L"

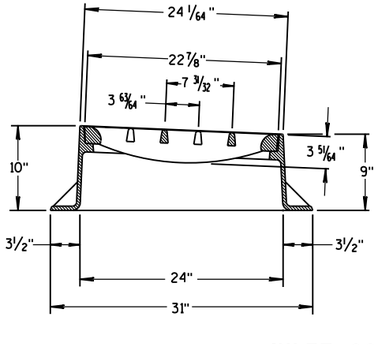


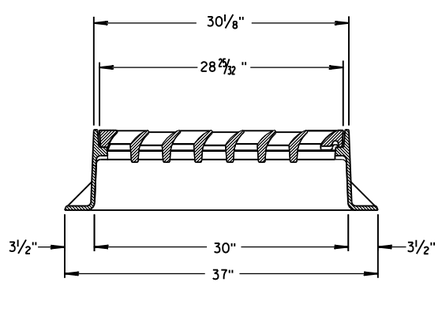


TYPE "M"









INLET COVER TYPE "BW"

INLET COVER TYPE BW
MANHOLE COVERS, TYPE K, J, J-S, L & M

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
11/27/2013
DATE
FHWA

/S/ Jerry H. Zogg
ROADWAY STANDARDS DEVELOPMENT ENGINEER

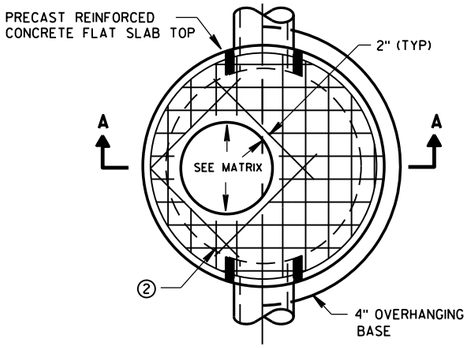
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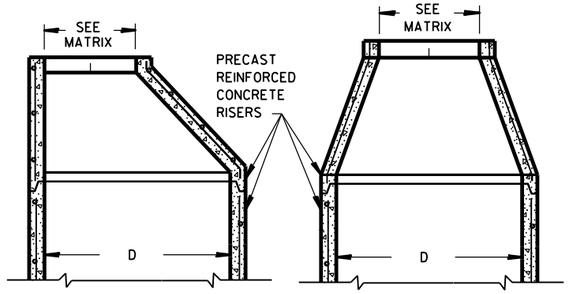
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S.D.D. 8 A 5-19d

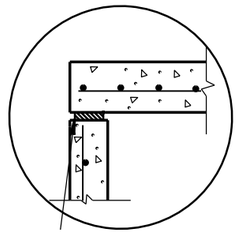


PLAN VIEW CIRCULAR OPENING

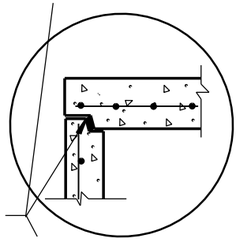


OPTIONAL PRECAST REINFORCED CONCRETE ECCENTRIC TOP

OPTIONAL PRECAST REINFORCED CONCRETE CONCENTRIC TOP

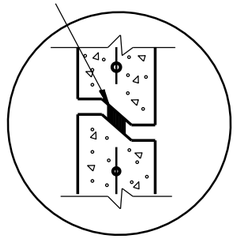


TOP WITH PLAIN END JOINT



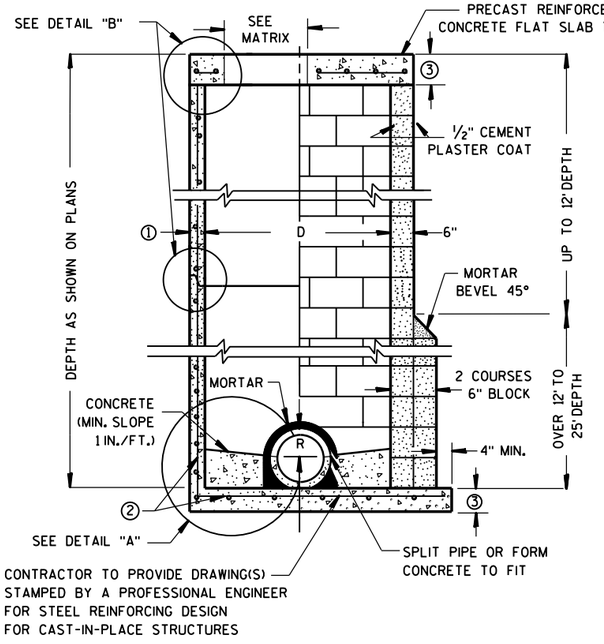
JOINTS TO BE SEALED WITH A BUTYL RUBBER SEAL PER SEALANT MANUFACTURERS RECOMMENDATIONS CONFORMING TO ASTM C990 (TYP)

TOP WITH TONGUE AND GROOVE JOINT



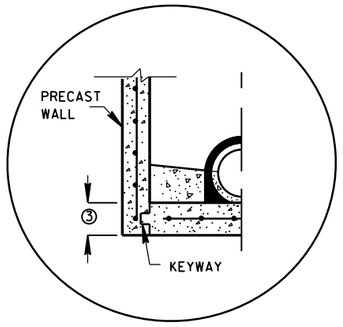
RISER WITH TONGUE AND GROOVE JOINT

DETAIL "B"

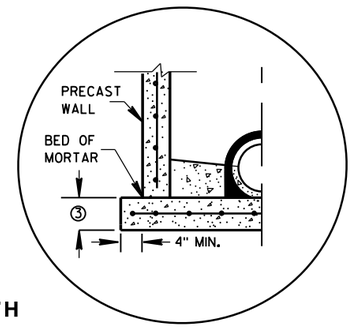


PRECAST REINFORCED CONCRETE WITH MONOLITHIC BASE

CONCRETE BLOCK WITH CAST-IN-PLACE OR PRECAST REINFORCED CONCRETE BASE ②

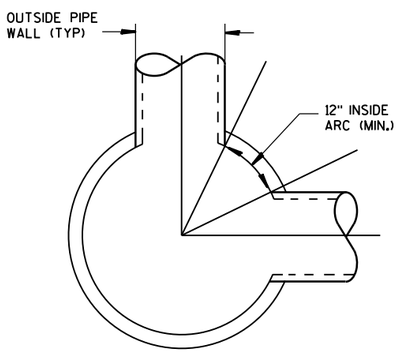


PRECAST REINFORCED CONCRETE WITH INTEGRAL BASE OPTION



SEPARATE PRECAST REINFORCED CONCRETE BASE OPTION

DETAIL "A"



DETAIL "C"

GENERAL NOTES

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

UNLESS OTHERWISE AUTHORIZED IN WRITING BY THE ENGINEER, THE CONTRACTOR SHALL NOT ORDER AND DELIVER PRECAST MANHOLE UNITS REQUIRED FOR THE PROJECT UNTIL A LIST OF SIZES IS FURNISHED BY THE ENGINEER.

DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR UNDERGROUND DRAINAGE STRUCTURES SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ALL DRAINAGE STRUCTURES ARE DESIGNATED ON THE PLANS AS "MANHOLES 3X3-L", "CATCH BASINS 4-B", "INLETS 2X3-H", ETC. THE FIRST NUMBERS DESIGNATE THE SIZE OF THE STRUCTURE, AND THE FOLLOWING LETTER DESIGNATES THE TYPE OF COVER TO BE USED TO COMPRISE THE COMPLETE UNIT.

BASES SHALL BE PLACED ON A BED OF MATERIAL AT LEAST 6 INCHES IN DEPTH, WHICH MEETS THE REQUIREMENTS OF FOUNDATION BACKFILL. THIS BEDDING SHALL BE COMPACTED AND PROVIDE UNIFORM SUPPORT FOR THE ENTIRE AREA OF THE BASE.

PRECAST REINFORCED CONE TOPS (ECCENTRIC OR CONCENTRIC) OR PRECAST REINFORCED FLAT SLAB TOPS MAY BE USED ON CONCRETE BLOCK STRUCTURES.

ECCENTRIC CONE TOPS MAY BE USED ON ALL STRUCTURES, AND CONCENTRIC CONE TOPS SHALL BE USED ONLY ON STRUCTURES 5 FEET OR LESS IN DEPTH, UNLESS OTHERWISE DIRECTED BY THE ENGINEER.

STEPS MEETING AASHTO M199 AND THE FOLLOWING REQUIREMENTS SHALL BE INSTALLED IN ALL STRUCTURES OVER 5 FEET IN DEPTH: 16 INCH C-C MAXIMUM SPACING; PROJECT A MINIMUM CLEAR DISTANCE OF 4 INCHES FROM THE WALL AT THE POINT OF EMBEDMENT; MINIMUM LENGTH OF 10 INCHES; MINIMUM WALL EMBEDMENT OF 3 INCHES. FERROUS METAL STEPS NOT PAINTED OR TREATED TO RESIST CORROSION SHALL HAVE A MINIMUM CROSS SECTIONAL DIMENSION OF 1 INCH.

STEPS OF APPROVED POLYPROPYLENE PLASTIC COATED REINFORCEMENT BAR ARE ACCEPTABLE. REINFORCING BAR MUST BE A MINIMUM OF ½" AND MEET THE REQUIREMENTS OF ASTM A615.

CERTIFICATION SHALL BE PROVIDED THAT INSTALLED STEPS WHEN TESTED IN ACCORDANCE WITH SECTION 10 OF AASHTO T280 CAN WITHSTAND A VERTICAL LOAD OF 800 LBS. AND A HORIZONTAL LOAD OF 400 LBS.

ALL BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2 INCHES CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

CONCRETE BLOCK WILL NOT BE PERMITED FOR STRUCTURES GREATER THAN 4 FEET IN DIAMETER.

PRECAST REINFORCED RISERS SHALL HAVE A TONGUE AND GROOVE JOINT WITH TONGUE UP OR DOWN.

ALL PRECAST MANHOLE UNITS SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF AASHTO DESIGNATION M 199.

4" OVERHANGING BASES ARE REQUIRED FOR ALL CONCRETE BLOCK INSTALLATIONS. 4" OVERHANG IS REQUIRED WHEN SEPARATE PRECAST BASE IS PROVIDED. OVERHANG IS NOT REQUIRED ON PRECAST STRUCTURES WITH AN INTEGRAL OR MONOLITHIC BASE.

FOR ADDITIONAL CONFIGURATIONS, MAINTAIN A MINIMUM OF 12 INCHES AS MEASURED FROM THE INSIDE OF THE STRUCTURE WALL BETWEEN THE OUTSIDE PIPE WALLS OF ADJACENT PIPES. SEE DETAIL "C".

① MINIMUM WALL THICKNESS SHALL BE 4 INCHES FOR 3-FT, 5 INCHES FOR 4-FT, 6 INCHES FOR 5-FT, 7 INCHES FOR 6-FT, 8 INCHES FOR 7-FT AND 9 INCHES FOR 8-FT DIAMETER PRECAST MANHOLES.

② FOR PRECAST MANHOLES PROVIDE REINFORCING STEEL IN ACCORDANCE TO AASHTO M199.

③ PRECAST FLAT SLAB TOPS AND BASES WITH A DIAMETER OF 48" AND LESS SHALL HAVE A MINIMUM THICKNESS OF 6". PRECAST FLAT SLAB TOPS AND BASES WITH A DIAMETER LARGER THAN 48" SHALL HAVE A MINIMUM THICKNESS OF 8".

MANHOLE COVER OPENING MATRIX

MANHOLE COVER TYPE	C	ALL J'S	K	L	M
OPENING SIZE (FT)					
2 DIA.	X	X		X	
3 DIA.			X		X

PIPE MATRIX

MANHOLE SIZE	MAXIMUM INSIDE PIPE DIAMETER FOR TWO PIPES	
	180° SEPARATION (IN)	90° SEPARATION (IN)
3-FT	15	12
4-FT	24	18
5-FT	36	24
6-FT	42	36
7-FT	48	36
8-FT	60	42

MANHOLES 3-FT, 4-FT, 5-FT, 6-FT, 7-FT AND 8-FT DIAMETER

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

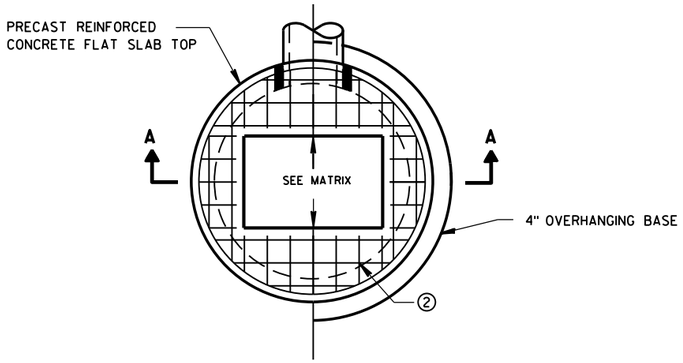
APPROVED

Sept., 2016
DATE

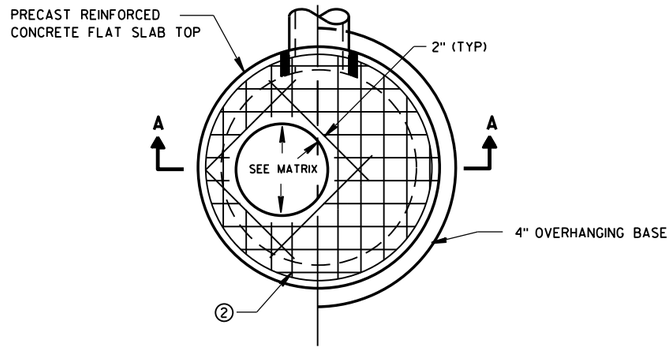
/S/ Rodney Taylor
ROADWAY STANDARDS DEVELOPMENT
UNIT SUPERV

FHWA

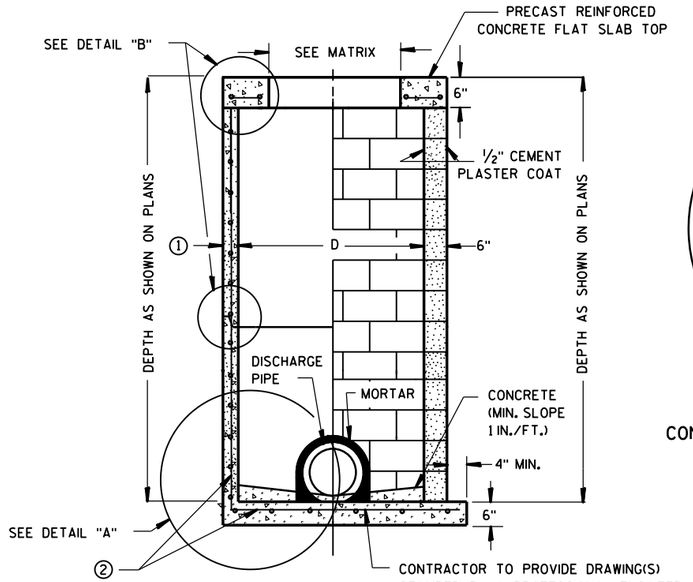
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PLAN VIEW RECTANGULAR OPENING



PLAN VIEW CIRCULAR OPENING

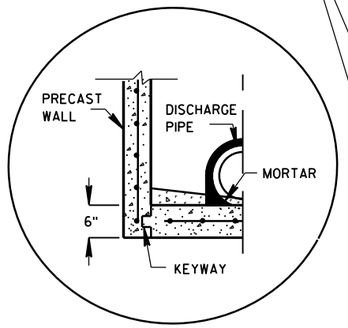


SECTION A-A

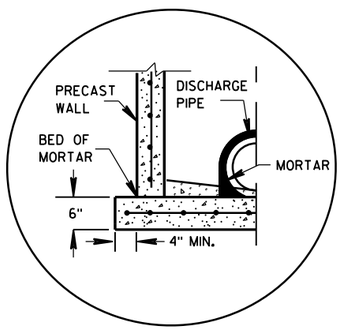
PRECAST REINFORCED CONCRETE WITH MONOLITHIC BASE

CONCRETE BLOCK WITH CAST-IN-PLACE OR PRECAST REINFORCED CONCRETE BASE ②

CIRCULAR INLETS W/ FLAT TOP

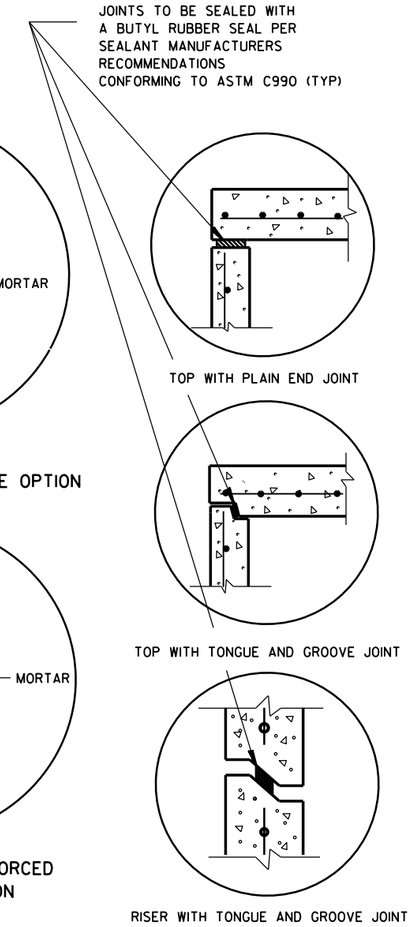


PRECAST REINFORCED CONCRETE WITH INTEGRAL BASE OPTION



SEPARATE PRECAST REINFORCED CONCRETE BASE OPTION

DETAIL "A"



DETAIL "B"

GENERAL NOTES

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

UNLESS OTHERWISE AUTHORIZED IN WRITING BY THE ENGINEER, THE CONTRACTOR SHALL NOT ORDER AND DELIVER PRECAST INLET UNITS REQUIRED FOR THE PROJECT UNTIL A LIST OF SIZES IS FURNISHED BY THE ENGINEER.

DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR UNDERGROUND DRAINAGE STRUCTURES SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

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BASES SHALL BE PLACED ON A BED OF MATERIAL AT LEAST 6 INCHES IN DEPTH, WHICH MEETS THE REQUIREMENTS OF FOUNDATION BACKFILL. THIS BEDDING SHALL BE COMPACTED AND PROVIDE UNIFORM SUPPORT FOR THE ENTIRE AREA OF THE BASE.

ALL BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2 INCHES CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

ALL PRECAST INLET UNITS SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF AASHTO DESIGNATION M199.

PRECAST REINFORCED RISERS SHALL HAVE A TONGUE AND GROOVE JOINT WITH TONGUE UP OR DOWN.

4" OVERHANGING BASES ARE REQUIRED FOR ALL CONCRETE BLOCK INSTALLATIONS. 4" OVERHANG IS REQUIRED WHEN SEPARATE PRECAST BASE IS PROVIDED. OVERHANG IS NOT REQUIRED ON PRECAST STRUCTURES WITH AN INTEGRAL OR MONOLITHIC BASE.

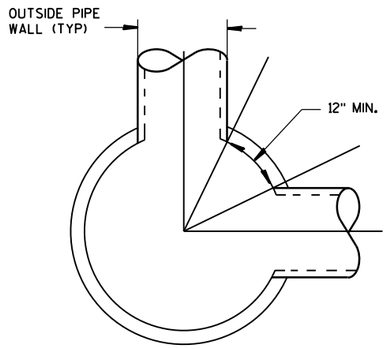
FOR ADDITIONAL CONFIGURATIONS, MAINTAIN A MINIMUM OF 12 INCHES AS MEASURED FROM THE INSIDE OF THE STRUCTURE WALL BETWEEN THE OUTSIDE PIPE WALLS OF ADJACENT PIPES. SEE DETAIL "C".

① MINIMUM WALL THICKNESS SHALL BE 4-IN FOR 3-FT DIAMETER AND 5-IN FOR 4-FT DIAMETER PRECAST INLETS.

② FOR PRECAST CATCH BASINS PROVIDE REINFORCING STEEL IN ACCORDANCE TO AASHTO M199.

INLET COVER OPENING MATRIX

	INLET COVER TYPE	ALL A'S	ALL B'S	BW	C	F	ALL H'S	S	T	V	WM	Z
INLET SIZE	OPENING SIZE (FT)											
3-FT	2 DIA.				X							X
	2X2	X	X					X		X		
4-FT	2 DIA.				X							X
	2X2	X	X					X		X		
	2X2.5			X				X	X	X	X	
	2X3						X					
	2.5X3					X						



DETAIL "C"

PIPE MATRIX

INLET SIZE	MAXIMUM INSIDE PIPE DIAMETER FOR TWO PIPES	
	180° SEPARATION (IN)	90° SEPARATION (IN)
3-FT	15	12
4-FT	24	18

INLETS 3-FT AND 4-FT DIAMETER

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

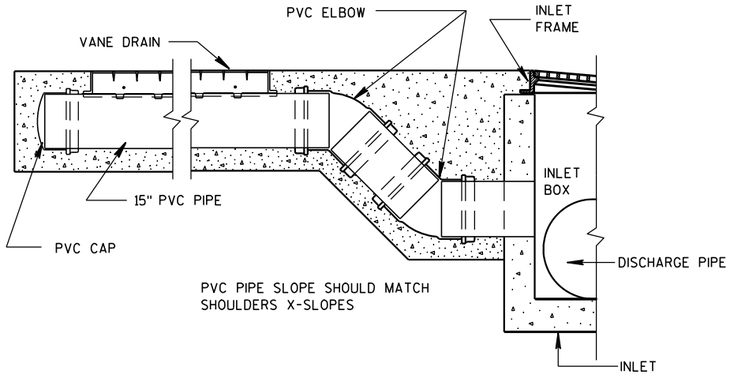
APPROVED
Sept., 2016 — DATE
/S/ Rodney Taylor
ROADWAY STANDARDS | UNIT SUPERVI ENT
FHWA

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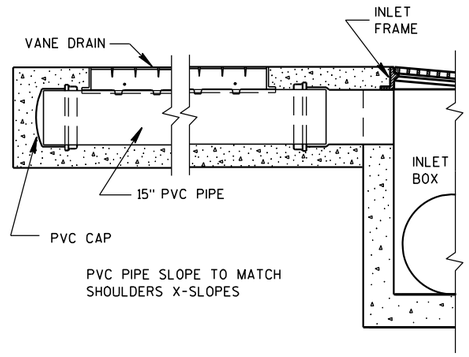
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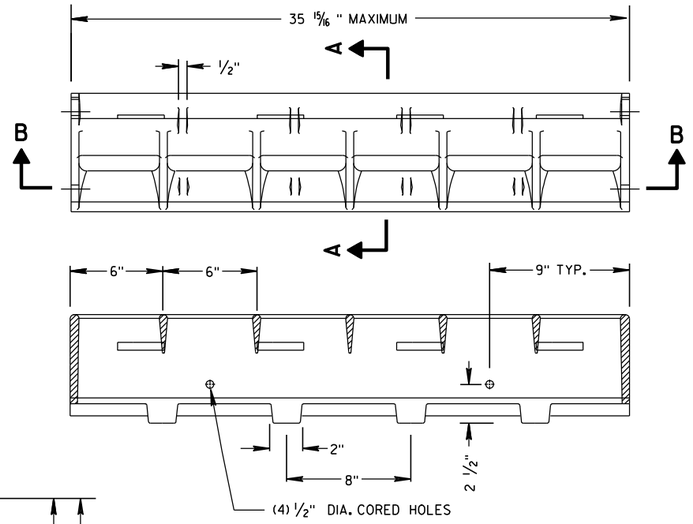
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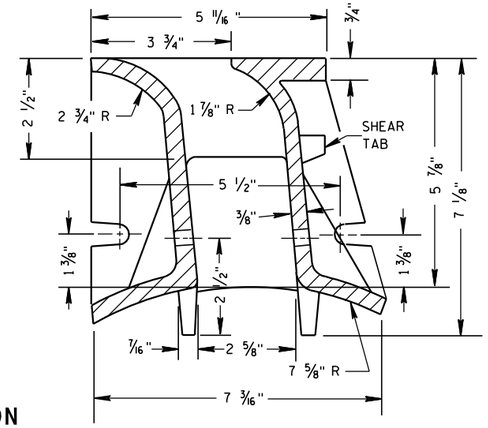
TYPICAL SLOTTED VANE DRAIN CONFIGURATION



TYPICAL SLOTTED VANE DRAIN CONFIGURATION



SECTION B-B
SLOTTED VANE DRAIN DETAIL
(APPROXIMATE WEIGHT 87 LBS.)



SECTION A-A

GENERAL NOTES

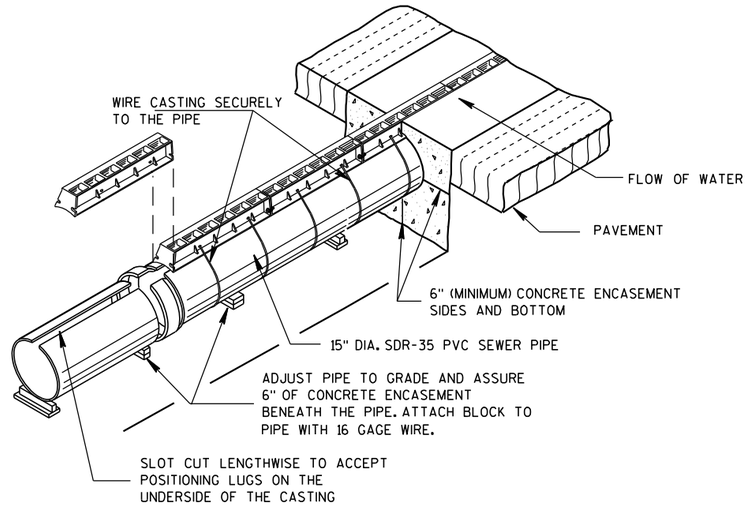
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

ENCASEMENT: THE ENCASING MATERIAL AROUND THE PIPE SHALL BE IN ACCORDANCE WITH SPECIFICATIONS OF 501.4.3.3 FOR CONCRETE PAVEMENT.

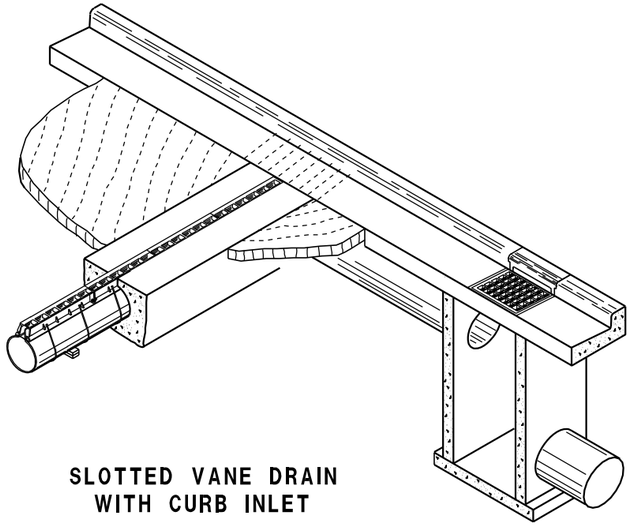
THE PIPE USED SHALL BE A 15" DIAMETER SDR-35 POLYVINYL CHLORIDE SEWER PIPE. THE PIPE SHALL CONFORM TO THE REQUIREMENTS SET FORTH IN STANDARD SPECIFICATION 612.2.6

SURFACE DRAIN: BEFORE PAVING OVER THE DRAIN, COVER THE TOP OF THE DRAIN TO KEEP MATERIAL OUT OF THE PIPE. THE FINISHED GRADE SHOULD BE FLUSH WITH THE TOP OF THE DRAIN.

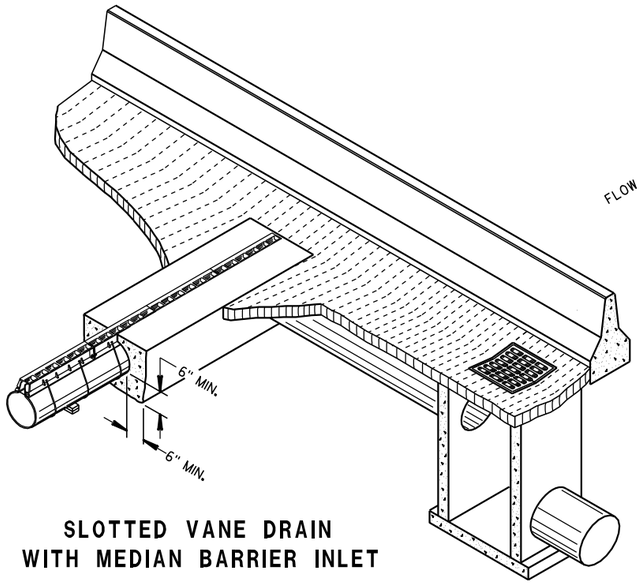
THE ANGLE OF THE DRAIN TO THE FLOW OF WATER SHOULD BE AS CLOSE TO 90° AS POSSIBLE.



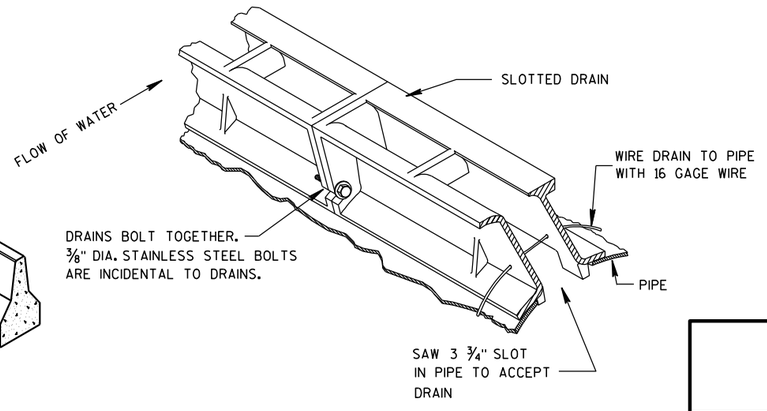
INSTALLATION OF SLOTTED VANE DRAIN



SLOTTED VANE DRAIN WITH CURB INLET



SLOTTED VANE DRAIN WITH MEDIAN BARRIER INLET



ISOMETRIC VIEW

SLOTTED VANE DRAIN

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
6/13/00 DATE
/S/ Rory L. Rhinehart
CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

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S.D.D. 8 D 14-1

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S.D.D. 8 D 14-1

GENERAL NOTES

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

(1) UNPERFORATED PIPE UNDERDRAIN AND FITTINGS FURNISHED FOR OUTFALL PIPE SHALL MEET THE REQUIREMENTS OF ONE OF THE FOLLOWING SPECIFICATIONS:

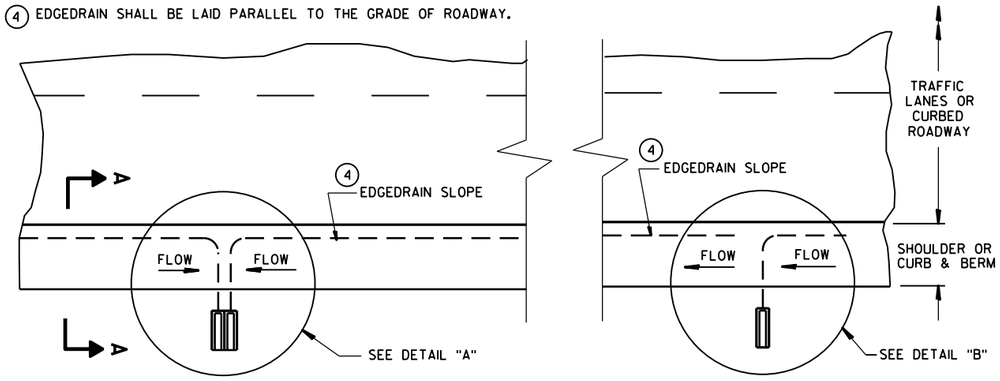
POLYVINYL CHLORIDE (PVC) PLASTIC DRAIN, WASTE, AND VENT PIPE AND FITTINGS, ASTM D 2665, SCHEDULE 40 PVC.

TYPE PSM POLYVINYL CHLORIDE (PVC) SEWER PIPE AND FITTINGS, ASTM D 3034, SDR 23.5 PVC SEWER PIPE.

(2) MAXIMUM SPACING OF EDGEDRAIN OUTLETS SHALL BE 250 FEET UNLESS OTHERWISE SPECIFIED IN THE CONTRACT OR DIRECTED BY THE ENGINEER.

(3) EDGEDRAIN SHALL BE CONNECTED TO INLETS REGARDLESS OF FLOW DIRECTION FOR DRAINAGE AND MAINTENANCE ACCESS.

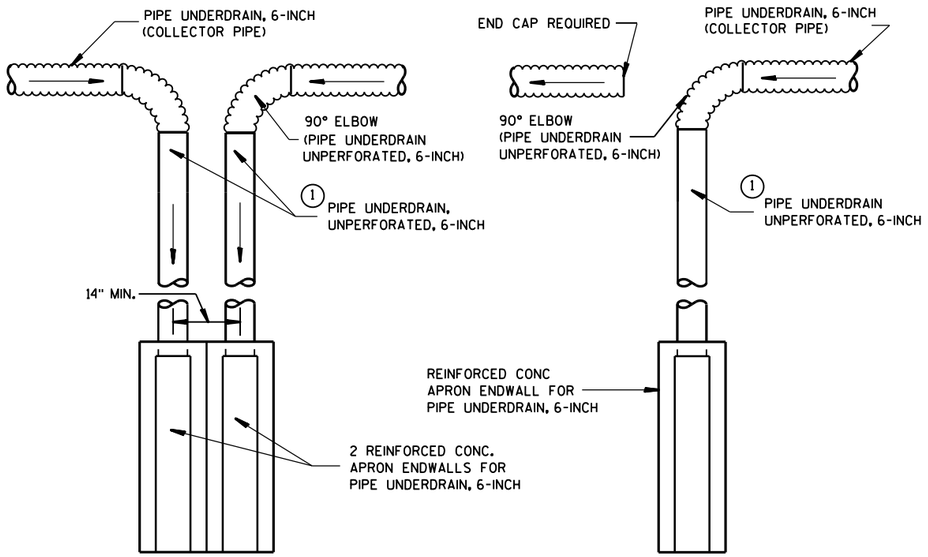
(4) EDGEDRAIN SHALL BE LAID PARALLEL TO THE GRADE OF ROADWAY.



PLAN VIEW

ROADWAY WITH SHOULDERS OR CURBS

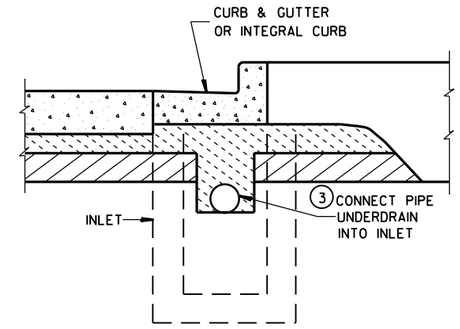
(EDGEDRAIN OUTLETS TO ROADSIDE) (2)



DETAIL "A"
TO BE USED AT LOW POINT LOCATIONS

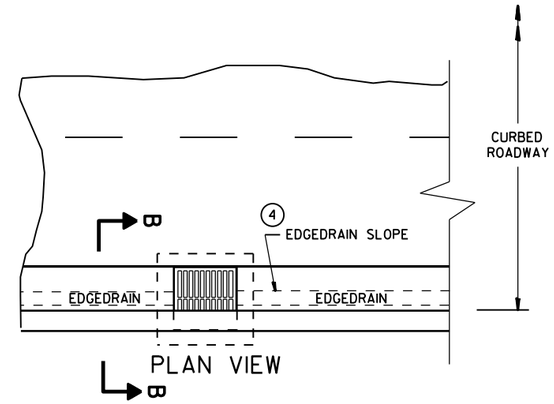
DETAIL "B"
TO BE USED AT INTERMEDIATE LOCATIONS

TYPICAL DRAIN OUT DETAILS



SECTION B-B

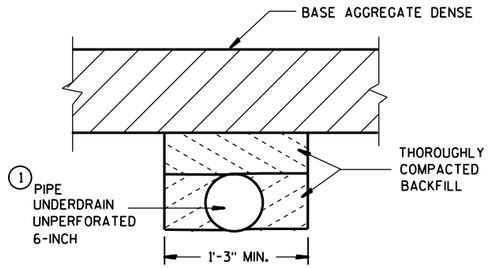
URBAN CROSS SECTION



PLAN VIEW

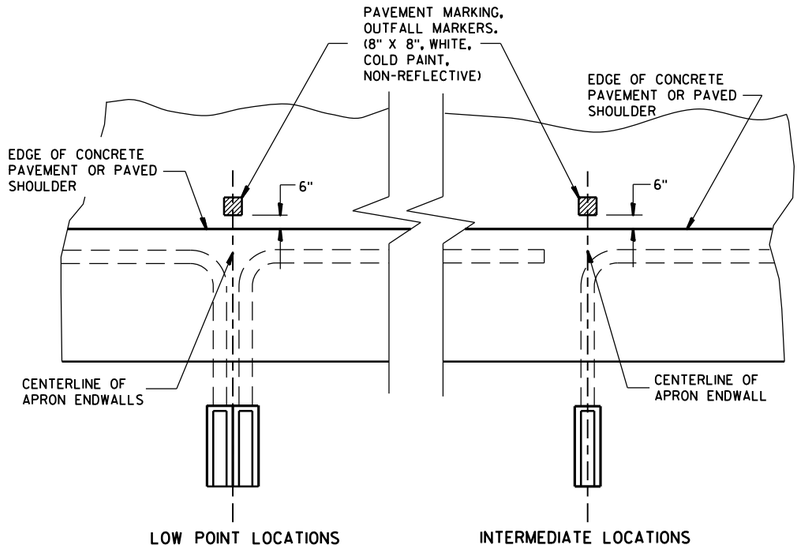
ROADWAY WITH CURBS

(EDGEDRAIN CONNECTS INTO INLET STRUCTURE)



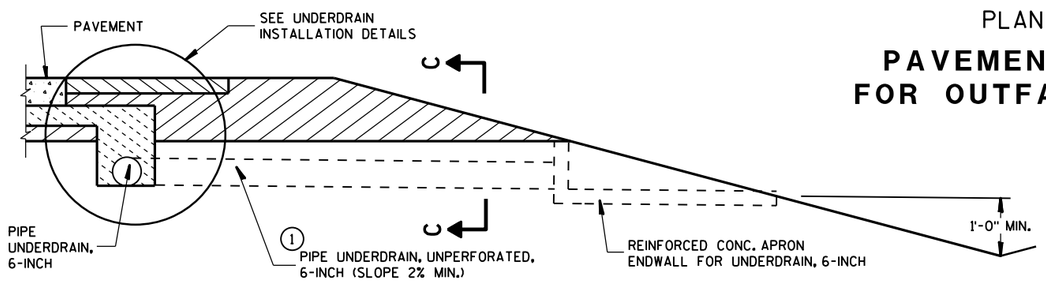
SECTION C-C

(TRENCH FOR OUTFALL PIPE)



PLAN VIEW

PAVEMENT MARKING FOR OUTFALL MARKERS



SECTION A-A

RURAL CROSS SECTION

EDGEDRAIN OUTLET AND OUTFALL MARKERS

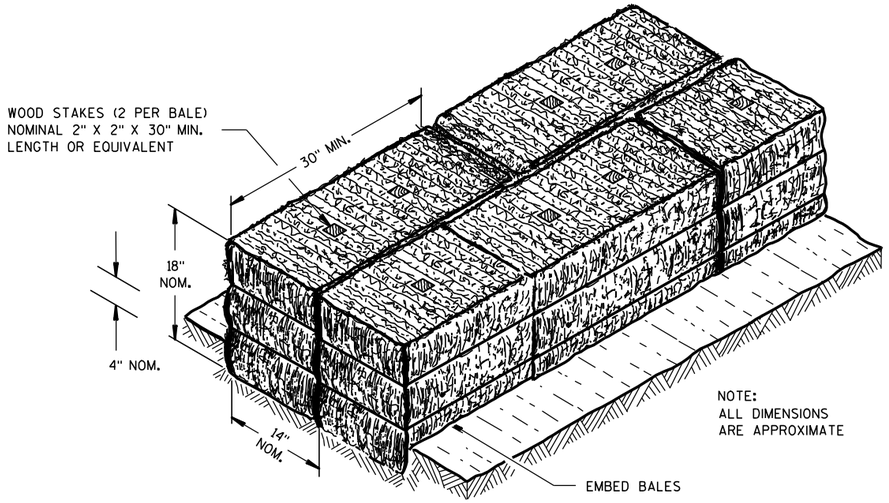
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR

6

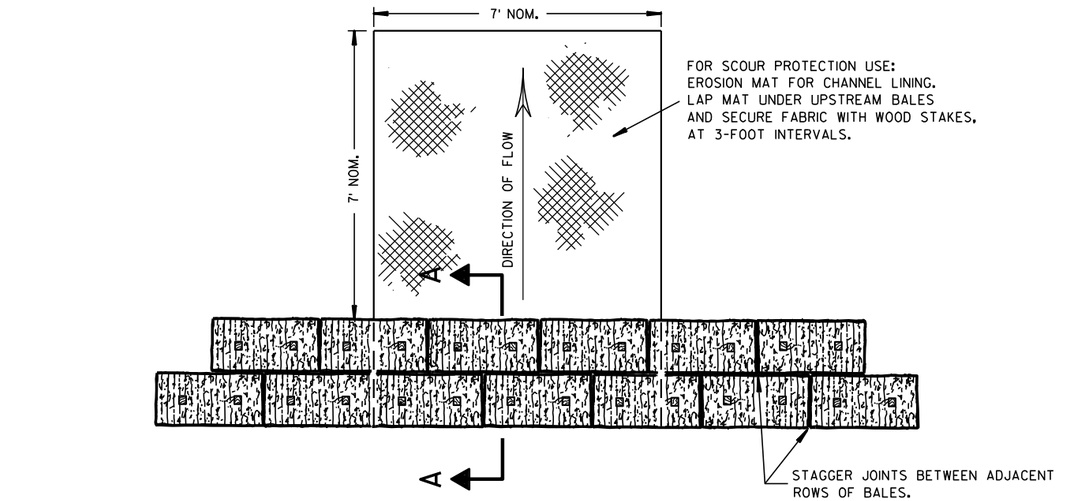
S.D.D. 8 D 15-5a

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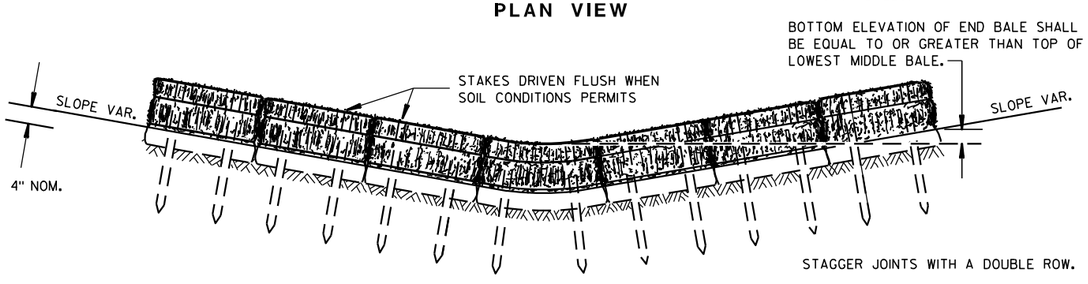
S.D.D. 8 D 15-5a



SECTION A-A



PLAN VIEW



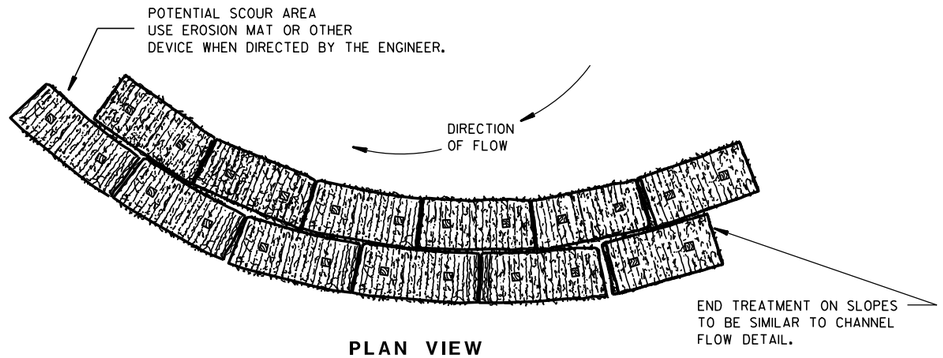
FRONT ELEVATION

TEMPORARY DITCH CHECK USING EROSION BALES (1)

GENERAL NOTES

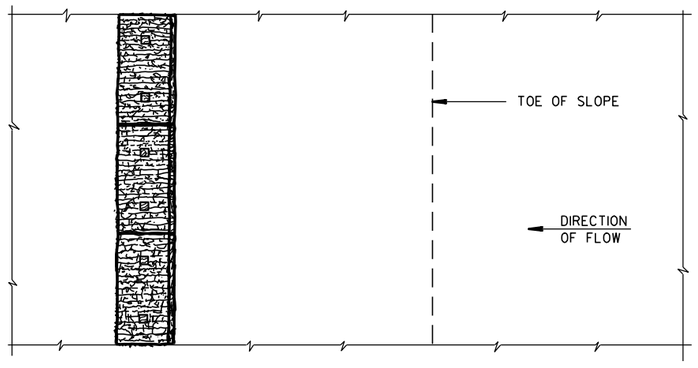
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

(1) TEMPORARY DITCH CHECKS EITHER EROSION BALES OR MANUFACTURED SHALL BE PAID FOR UNDER THE BID ITEM OF TEMPORARY DITCH CHECK. THE DEPARTMENT WILL NOT PAY FOR TEMPORARY DITCH CHECKS CONSTRUCTED OF A SINGLE ROW OF EROSION BALES.

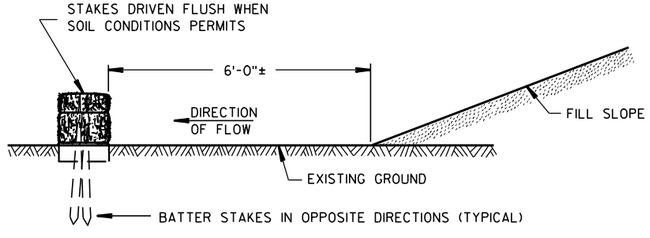


PLAN VIEW

WHEN ALTERING THE DIRECTION OF FLOW



PLAN VIEW



FRONT ELEVATION

WHEN EXISTING GROUND SLOPES AWAY FROM FILL SLOPE

EROSION BALES FOR SHEET FLOW

TYPICAL INSTALLATIONS OF EROSION BALES / TEMPORARY DITCH CHECKS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

6/04/02 DATE — /S/ Beth Cannestra — CHIEF ROADWAY DEVELOPMENT ENGINEER

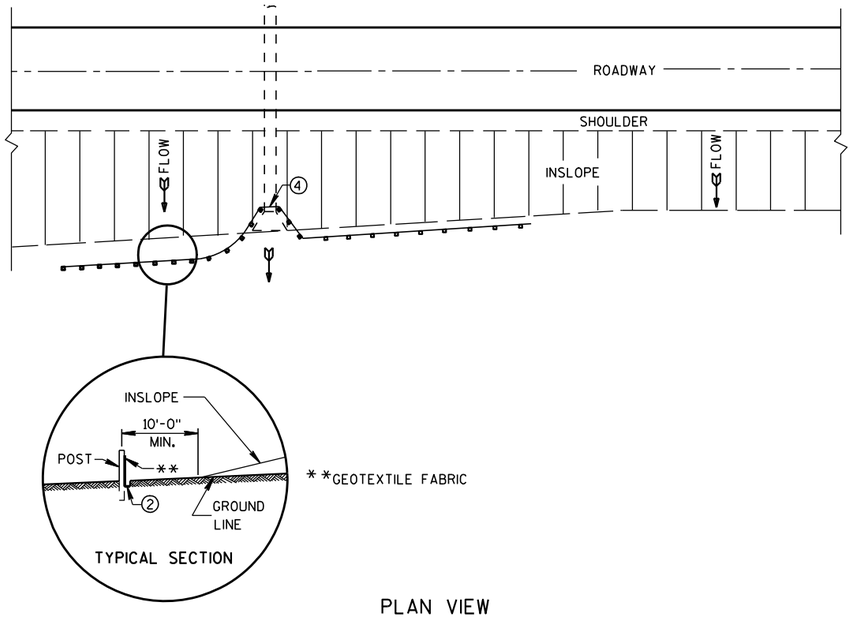
FHWA

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S.D.D. 8 E 8-3

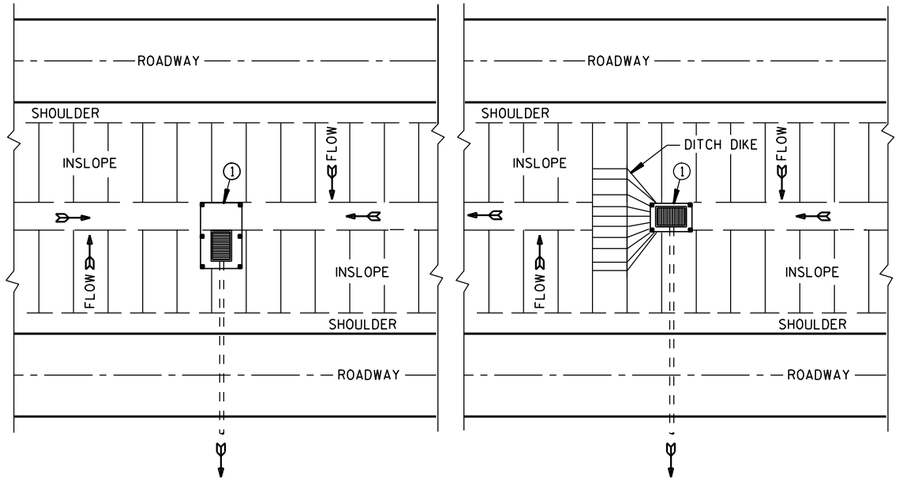
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S.D.D. 8 E 8-3



PLAN VIEW

TYPICAL APPLICATION OF SILT FENCE



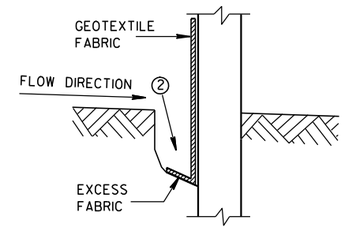
PLAN VIEW

SILT FENCE AT MEDIAN SURFACE DRAINS

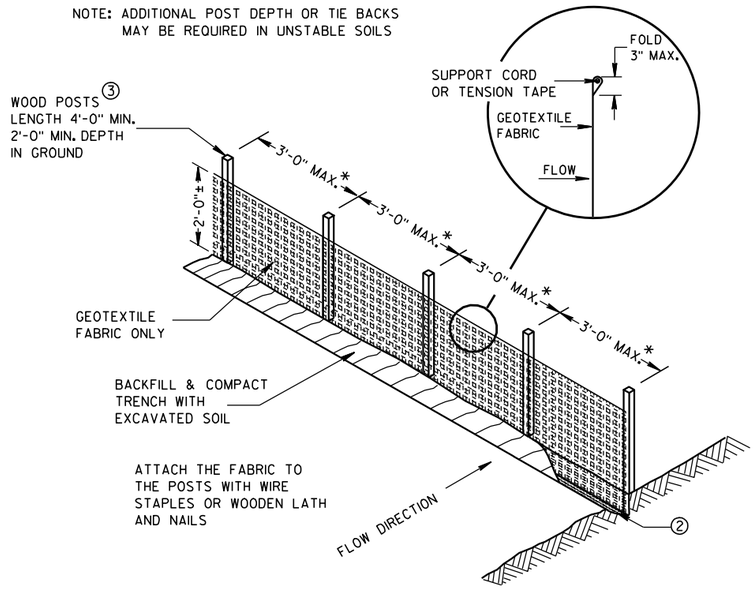
GENERAL NOTES

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

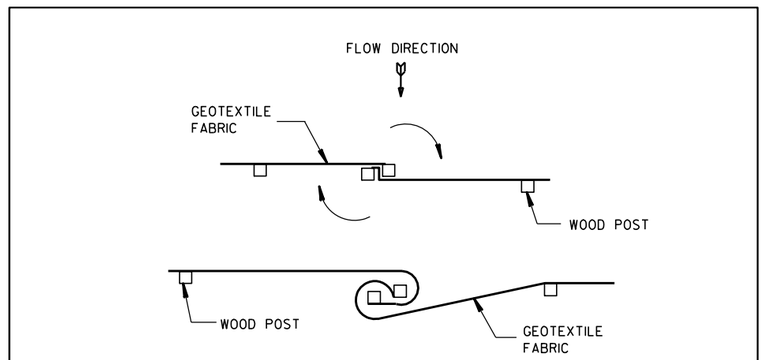
1. HORIZONTAL BRACE REQUIRED WITH 2" X 4" WOODEN FRAME OR EQUIVALENT AT TOP OF POSTS.
2. FOR MANUAL INSTALLATIONS THE TRENCH SHALL BE A MINIMUM OF 4" WIDE & 6" DEEP TO BURY AND ANCHOR THE GEOTEXTILE FABRIC. FOLD MATERIAL TO FIT TRENCH AND BACKFILL & COMPACT TRENCH WITH EXCAVATED SOIL.
3. WOOD POSTS SHALL BE A MINIMUM SIZE OF 1⅛" X 1⅛" OF OAK OR HICKORY.
4. SILT FENCE TO EXTEND ACROSS THE TOP OF THE PIPE.
5. CONSTRUCT SILT FENCE FROM A CONTINUOUS ROLL IF POSSIBLE BY CUTTING LENGTHS TO AVOID JOINTS. IF A JOINT IS NECESSARY USE ONE OF THE FOLLOWING TWO METHODS; A) OVERLAP THE END POSTS AND TWIST, OR ROTATE, AT LEAST 180 DEGREES, B) HOOK THE END OF EACH SILT FENCE LENGTH.



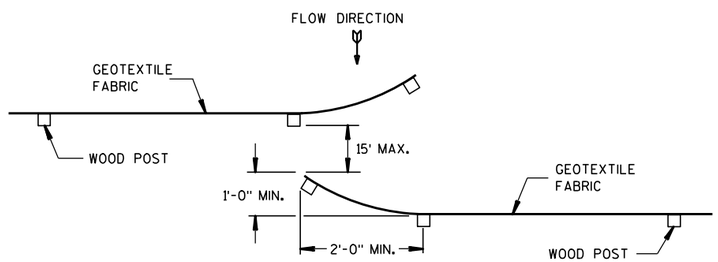
TRENCH DETAIL



SILT FENCE

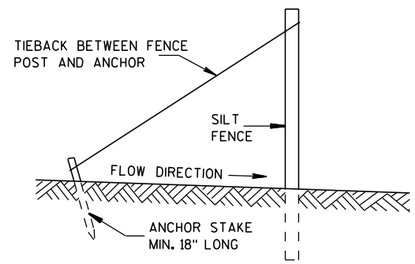


TWIST METHOD



HOOK METHOD

JOINING TWO LENGTHS OF SILT FENCE 5



SILT FENCE TIE BACK

(WHEN REQUIRED BY THE ENGINEER)

SILT FENCE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

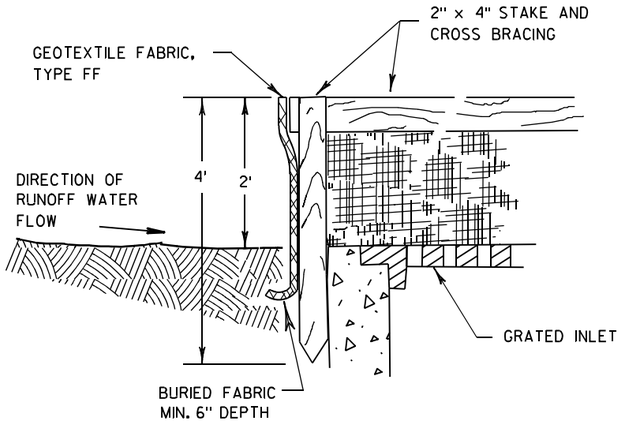
APPROVED
4-29-05 DATE
/S/ Beth Cannestra
CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

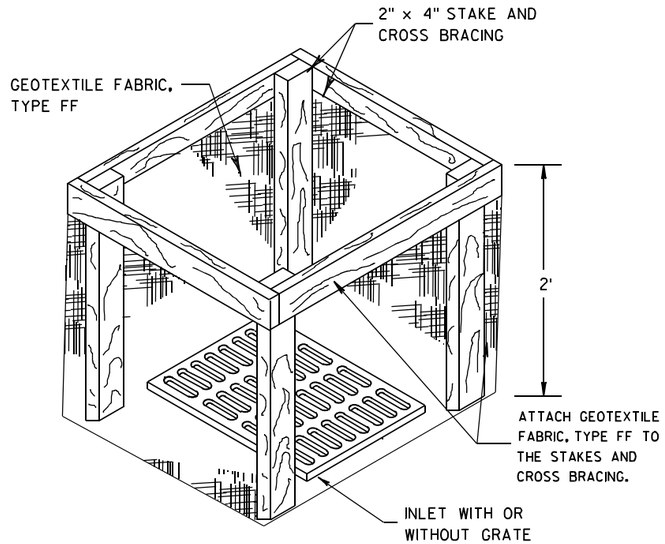
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S.D.D. 8 E 9-6

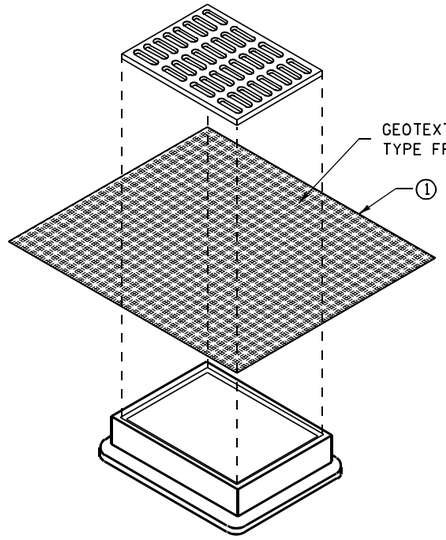
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S.D.D. 8 E 9-6



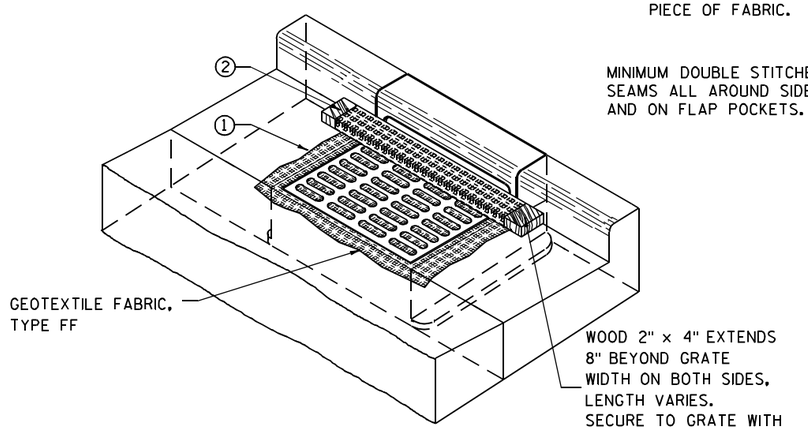


INLET PROTECTION, TYPE A

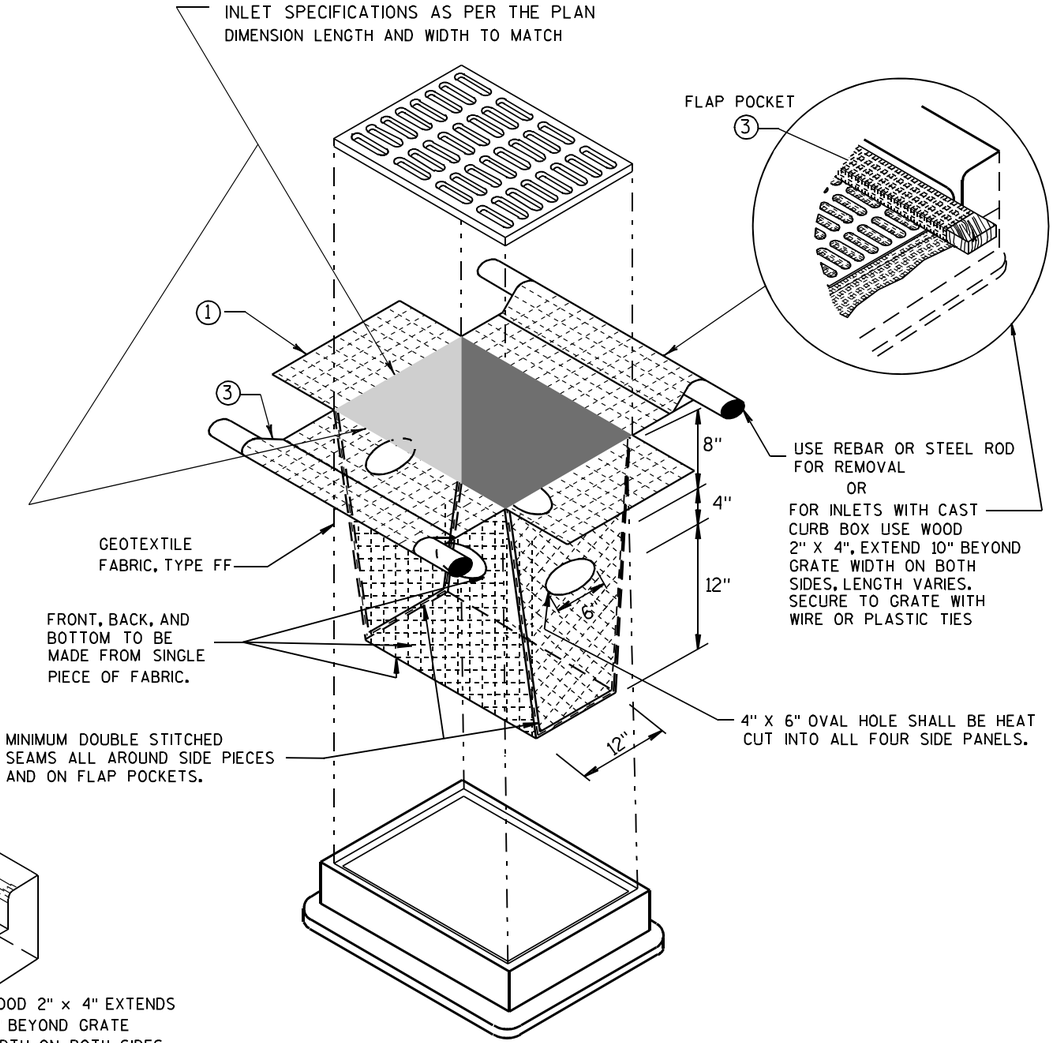


INLET PROTECTION, TYPE B
(WITHOUT CURB BOX)

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



INLET PROTECTION, TYPE C (WITH CURB BOX)



INLET PROTECTION, TYPE D

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

GENERAL NOTES

INLET PROTECTION DEVICES SHALL BE MAINTAINED OR REPLACED AT THE DIRECTION OF THE ENGINEER.

MANUFACTURED ALTERNATIVES APPROVED AND LISTED ON THE DEPARTMENT'S EROSION CONTROL PRODUCT ACCEPTABILITY LIST MAY BE SUBSTITUTED.

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

① FINISHED SIZE, INCLUDING FLAP POCKETS WHERE REQUIRED, SHALL EXTEND A MINIMUM OF 10" AROUND THE PERIMETER TO FACILITATE MAINTENANCE OR REMOVAL.

② FOR INLET PROTECTION, TYPE C (WITH CURB BOX), AN ADDITIONAL 18" OF FABRIC IS WRAPPED AROUND THE WOOD AND SECURED WITH STAPLES. THE WOOD SHALL NOT BLOCK THE ENTIRE HEIGHT OF THE CURB BOX OPENING.

③ FLAP POCKETS SHALL BE LARGE ENOUGH TO ACCEPT WOOD 2X4.

INSTALLATION NOTES

TYPE B & C

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

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

TYPE D

DO NOT INSTALL INLET PROTECTION TYPE D IN INLETS SHALLOWER THAN 30", MEASURED FROM THE BOTTOM OF THE INLET TO THE TOP OF THE GRATE.

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

THE INSTALLED BAG SHALL HAVE A MINIMUM SIDE CLEARANCE, BETWEEN THE INLET WALLS AND THE BAG, MEASURED AT THE BOTTOM OF THE OVERFLOW HOLES, OF 3". WHERE NECESSARY THE CONTRACTOR SHALL CINCH THE BAG, USING PLASTIC ZIP TIES, TO ACHIEVE THE 3" CLEARANCE. THE TIES SHALL BE PLACED AT A MAXIMUM OF 4" FROM THE BOTTOM OF THE BAG.

INLET PROTECTION
TYPE A, B, C, AND D

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

10/16/02
DATE

/S/ Beth Cannestra
CHIEF ROADWAY DEVELOPMENT ENGINEER

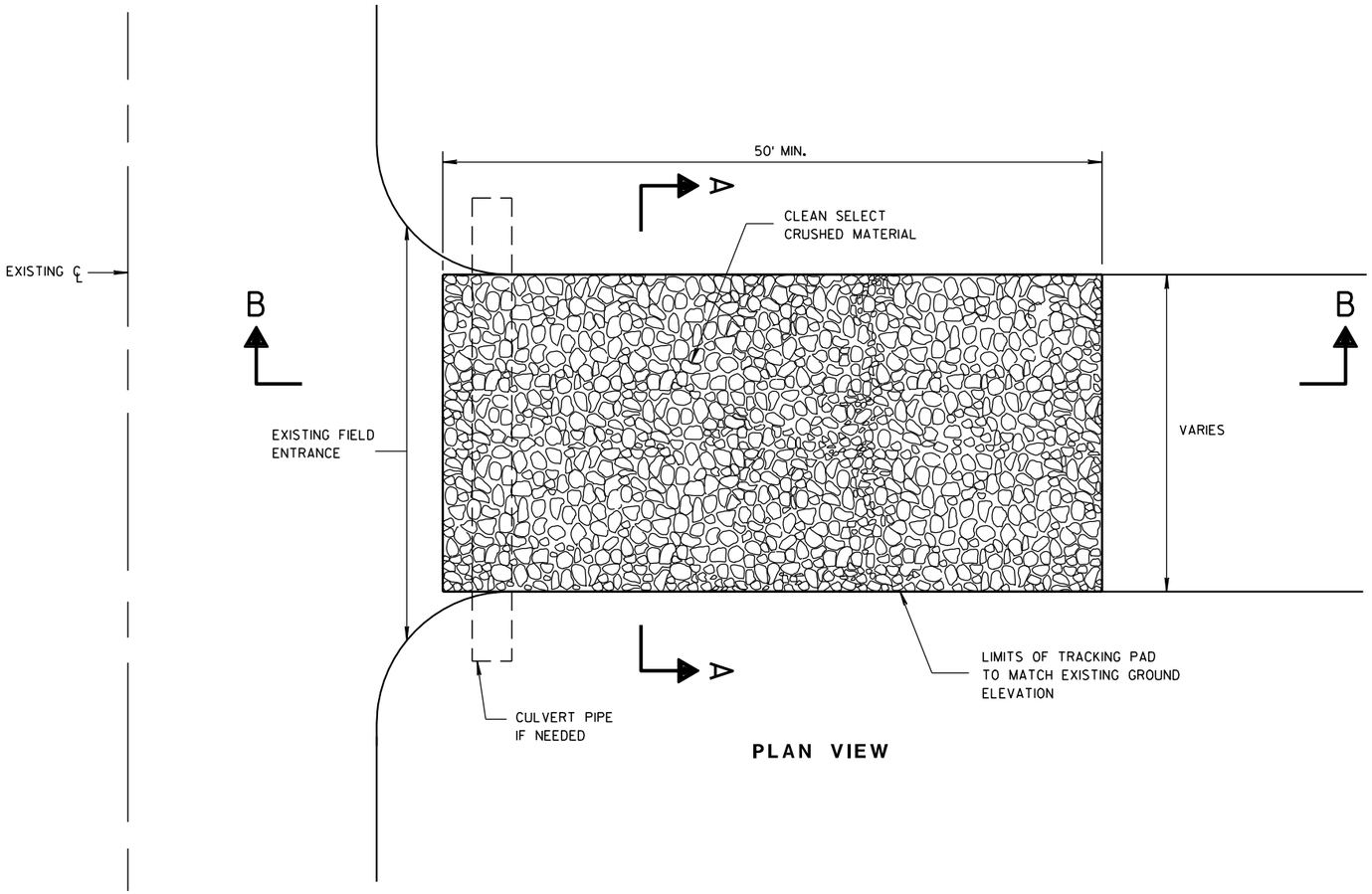
FHWA

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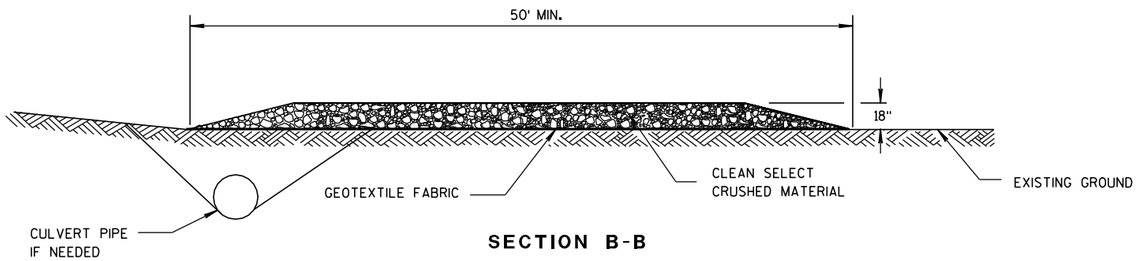
S.D.D. 8 E 10-2

6

S.D.D. 8 E 10-2



PLAN VIEW



SECTION B-B

GENERAL NOTES

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

TRACKING PAD SHALL BE INSPECTED DAILY. DEFICIENT AREAS SHALL BE REPAIRED OR REPLACED IMMEDIATELY.

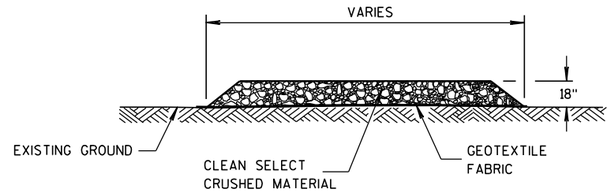
TRACKING PAD TO BE REMOVED AFTER CONSTRUCTION IS COMPLETED.

TRACKING PAD SHALL BE THE FULL WIDTH OF THE EGRESS POINT.

SURFACE WATER MUST BE PREVENTED FROM PASSING THROUGH THE TRACKING PAD. FLOWS SHALL BE DIVERTED AWAY, AROUND OR CONVEYED UNDER THE TRACKING PAD.

CULVERT PIPE OR OTHER BMP USED TO DIVERT WATER AWAY, AROUND OR UNDER THE TRACKING PAD SHALL BE DESIGNED TO CONVEY THE 2 YEAR - 24 HOUR EVENT.

THE COST OF ADDITIONAL BMP TO DIVERT WATER ARE INCIDENTAL TO THE TRACKING PAD BID ITEM.



SECTION A-A

TRACKING PAD

TRACKING PAD

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

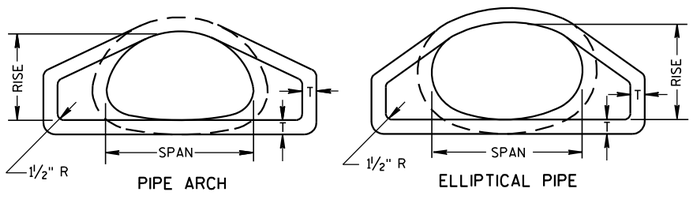
APPROVED
3/24/2011 — DATE
/S/ Jerry H. Zoda — ROADWAY STANDARDS ENGINEER
279
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FHWA

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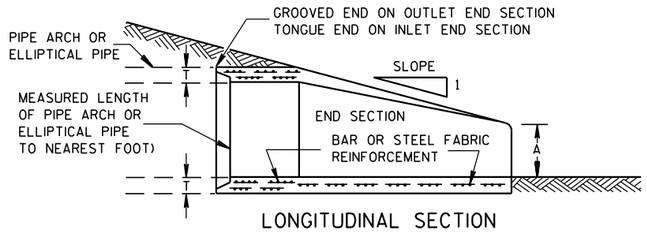
S.D.D. 8 E 14-1

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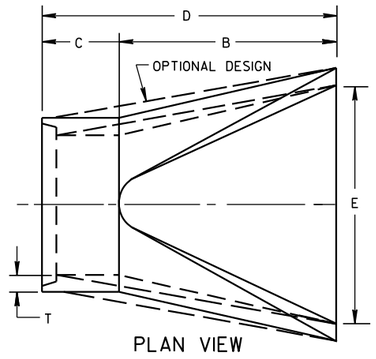
S.D.D. 8 E 14-1



END VIEW

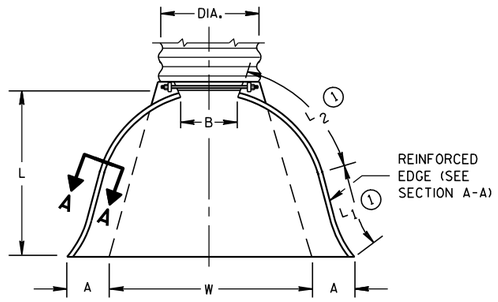


LONGITUDINAL SECTION

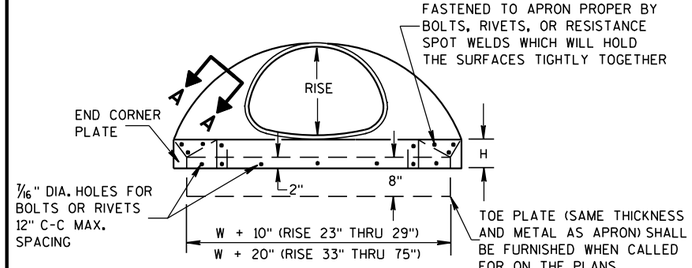


PLAN VIEW

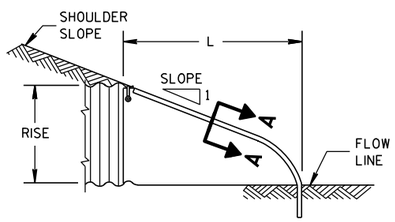
CONCRETE ENDWALLS



PLAN VIEW

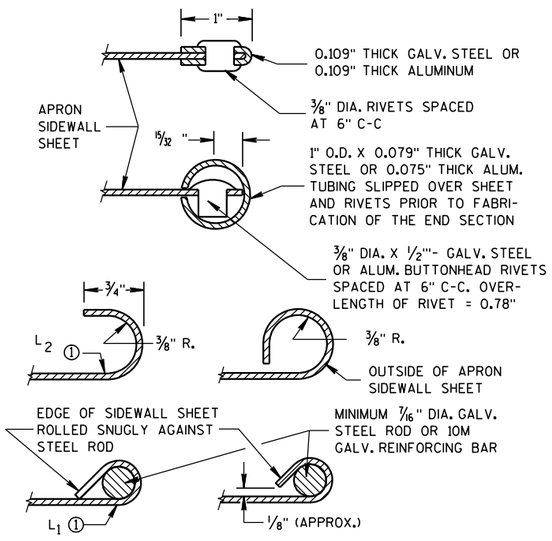


END VIEW



SIDE ELEVATION

METAL ENDWALLS



SECTION A-A

2- 2/3" X 1/2" CORRUGATIONS

EQUIV. DIA. (Inches)	(Inches) SPAN	(Inches) RISE	MIN. THICK. (Inches) STEEL	MIN. THICK. (Inches) ALUM.	DIMENSIONS (Inches) A (±1")	B (MAX.)	H (±1")	L (±1 1/2")	L1 ①	L2 ①	W (±2")	APPROX. SLOPE	BODY
15	17	13	.064	.060	7	9	6	19	14	16	30	2½ to 1	1 Pc.
18	21	15	.064	.060	7	10	6	23	14	19⅜	36	2½ to 1	1 Pc.
21	24	18	.064	.060	8	12	6	28	18	21¾	42	2½ to 1	1 Pc.
24	28	20	.064	.060	9	14	6	32	18	27½	48	2½ to 1	1 Pc.
30	35	24	.079	.075	10	16	6	39	18	37⅝	60	2½ to 1	1 Pc.
36	42	29	.079	.075	12	18	8	46	24	45⅜	75	2½ to 1	1 Pc.
42	49	33	.109	.105	13	21	9	53	24	54¾	85	2½ to 1	2 Pc.
48	57	38	.109	.105	18	26	12	63	24	68	90	2½ to 1	3 Pc.
54	64	43	.109	.105	18	30	12	70	24	72¾	102	2¼ to 1	3 Pc.
60	71	47	.109*	.105*	18	33	12	77	30	82¼	114	2¼ to 1	3 Pc.
66	77	52	.109*	.105*	18	36	12	77	—	—	126	2 to 1	3 Pc.
72	83	57	.109*	.105*	18	39	12	77	—	—	138	2 to 1	3 Pc.

3" X 1" CORRUGATIONS

EQUIV. DIA. (Inches)	(Inches) SPAN	(Inches) RISE	MIN. THICK. (Inches) STEEL	MIN. THICK. (Inches) ALUM.	DIMENSIONS (Inches) A (±1")	B (MAX.)	H (±1")	L (±1 1/2")	L1 ①	L2 ①	W (±2")	APPROX. SLOPE	BODY
48	53	41	.109	.105	18	26	12	63	24	72¾	90	2½ to 1	2 Pc.
54	60	46	.109	.105	18	30	12	70	30	82¼	102	2 to 1	2 Pc.
60	66	51	.109*	.105*	18	33	12	77	—	—	114	1½ to 1	3 Pc.
66	73	55	.109*	.105*	18	36	12	77	—	—	126	1½ to 1	3 Pc.
72	81	59	.109*	.105*	18	39	12	77	—	—	138	2 to 1	3 Pc.
78	87	63	.109*	.105*	22	38	12	77	—	—	148	1½ to 1	3 Pc.
84	95	67	.109*	.105*	22	34	12	77	—	—	162	1½ to 1	3 Pc.
90	103	71	.109*	.105*	22	38	12	77	—	—	174	1½ to 1	3 Pc.
96	112	75	.109*	.105*	24	40	12	77	—	—	174	1½ to 1	3 Pc.

NOTE: ALL SPLICES TO BE LAP RIVETED OR BOLTED.

* EXCEPT CENTER PANEL SEE GENERAL NOTES

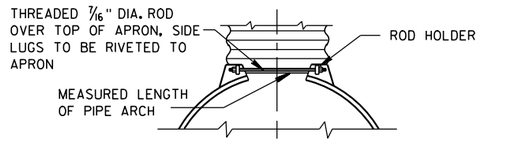
REINFORCED CONCRETE PIPE ARCH

EQUIV. DIA. (Inches)	DIMENSIONS (Inches) ** SPAN	** RISE	T	A	B	C	D	E	APPROX. SLOPE
24	29	18	3	8½	39	33	72	48	3 to 1
30	36	22	3½	9½	50	46	96	60	3 to 1
36	44	27	4	11⅛	60	36	96	72	3 to 1
42	51	31	4½	15 13/16	60	36	96	78	3 to 1
48	58	36	5	21	60	36	96	84	3 to 1
54	65	40	5½	25½	60	36	96	90	3 to 1
60	73	45	6	31	60	36	96	96	3 to 1
72	88	54	7	31	60	39	99	120	2 to 1
84	102	62	8	28½	83	19	102	144	2 to 1

REINFORCED CONCRETE ELLIPTICAL PIPE

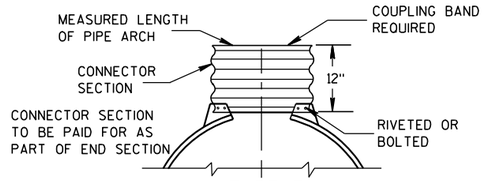
EQUIV. DIA. (Inches)	DIMENSIONS (Inches) ** SPAN	** RISE	T	A	B	C	D	E	APPROX. SLOPE
24	30	19	3¼	8½	39	33	72	48	3 to 1
30	38	24	3¾	9½	54	18	72	60	3 to 1
36	45	29	4½	11⅛	60	24	84	72	2½ to 1
42	53	34	5	15¾	60	36	96	78	2½ to 1
48	60	38	5½	21	60	36	96	84	2½ to 1
54	68	43	6	25½	60	36	96	90	2½ to 1
60	76	48	6½	30	60	36	96	96	2½ to 1

**NOMINAL SIZE



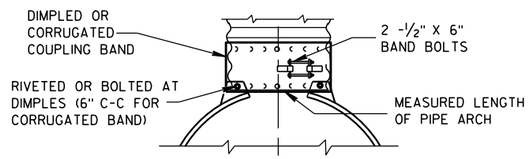
TYPE 2

FOR 17" X 13" THRU 112" X 75" PIPE ARCH



TYPE 3

FOR 64" X 43" THRU 112" X 75" PIPE ARCH



TYPE 5

ALTERNATE FOR:

ALL SIZES CORRUGATED PIPE ARCHES

NOTE: DIMPLED BAND FITS OVER OUTSIDE OF ENDWALL, AND CORRUGATED BAND FITS INSIDE ENDWALL.

CONNECTION DETAILS

GENERAL NOTES

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

CONCRETE APRON ENDWALLS MAY NOT BE USED WITH GALVANIZED STEEL OR ALUMINUM CULVERT PIPE OR VISE VERSA. GALVANIZED STEEL OR ALUMINUM APRON ENDWALLS SHALL NORMALLY BE INSTALLED ON CULVERT PIPE OF THE SAME METAL.

ALL THREE PIECE STEEL APRON ENDWALLS FOR 66" X 51" PIPE ARCH AND LARGER SHALL HAVE 0.109" SIDES AND 0.138" CENTER PANELS. ALL THREE PIECE ALUMINUM APRON ENDWALLS FOR 66" X 51" PIPE ARCH AND LARGER SHALL HAVE 0.105" SIDES AND 0.134" CENTER PANELS. THE WIDTH OF CENTER PANELS SHALL BE GREATER THAN 20 PERCENT OF THE PIPE ARCH PERIMETER.

LAP SEAMS SHALL BE TIGHTLY JOINED BY GALVANIZED RIVETS OR BOLTS FOR STEEL UNITS AND ALUMINUM RIVETS AND BOLTS FOR ALUMINUM UNITS. FOR THE 77" X 52" THROUGH 112" X 75" APRON ENDWALL SIZES, THE REINFORCED EDGES AND CENTER PANEL SEAMS SHALL BE FURTHER REINFORCED WITH GALVANIZED STEEL OR ALUMINUM STIFFENER ANGLES. THE ANGLES SHALL BE ATTACHED BY GALVANIZED NUTS AND BOLTS FOR STEEL UNITS AND ALUMINUM NUTS AND BOLTS FOR ALUMINUM UNITS.

WHERE TWO OR MORE PIPES WITH APRON ENDWALLS ARE LAID ADJACENT TO EACH OTHER, THEY SHALL BE SEPARATED BY A DISTANCE SUFFICIENT TO PROVIDE A MINIMUM CLEARANCE OF 6 INCHES BETWEEN APRON ENDWALLS.

① FOR PIPE ARCH SIZES UP TO 73" X 55" A 180° ROLLED EDGE MAY BE USED INSTEAD OF STEEL ROD REINFORCEMENT. SEE SECTION A-A.

APRON ENDWALLS FOR PIPE ARCH AND ELLIPTICAL PIPE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

11/30/94 — DATE

/S/ Rory L. Rhinesmith — CHIEF ROADWAY DEVELOPMENT ENGINEER

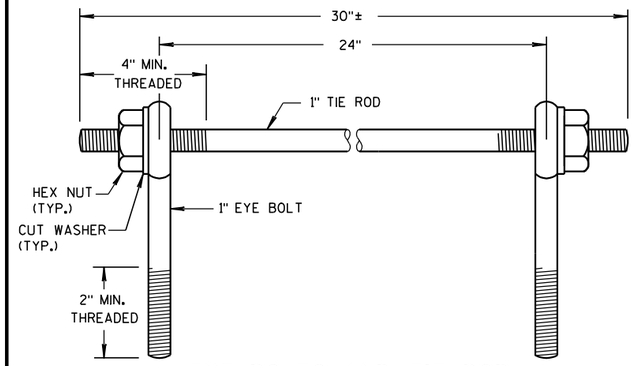
FHWA

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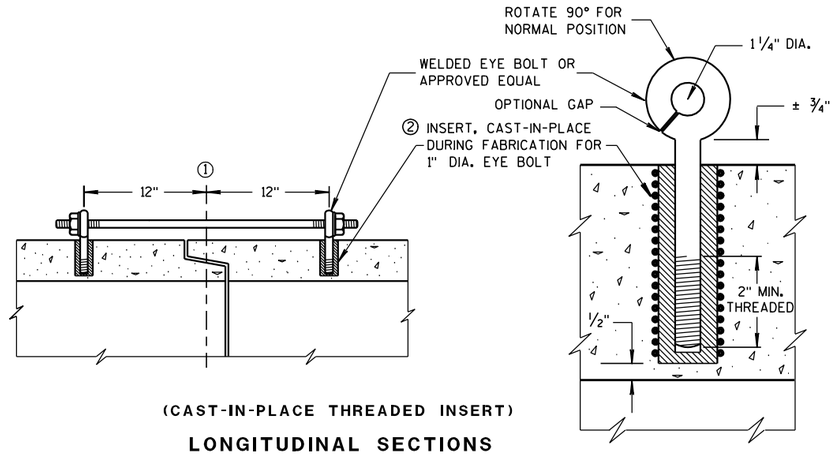
S.D.D. 8 F 2-1

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S.D.D. 8 F 2-1



EYE BOLTS AND TIE ROD



(CAST-IN-PLACE THREADED INSERT)

LONGITUDINAL SECTIONS

EYE BOLT AND TIE ROD ASSEMBLY (ALTERNATE NO. 1)

GENERAL NOTES

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

CONCRETE CULVERT AND STORM SEWER PIPE SHALL BE TIED TOGETHER IN THE MANNER ILLUSTRATED BY THIS DETAIL AT LOCATIONS DESIGNATED IN THE STANDARD SPECIFICATIONS AND THE PLAN. THE CONTRACTOR MAY USE EITHER ALTERNATE 1, 2 OR 3 FOR DRAINAGE STRUCTURES. ONLY ALTERNATE 1 AND 3 MAY BE USED FOR CATTLE PASSES, UNLESS OTHERWISE STATED IN THE CONTRACT. THE MATERIALS, FABRICATION AND WORK NECESSARY TO TIE THE PIPE BY THIS DETAIL WILL BE CONSIDERED INCIDENTAL TO THE PIPE AND APRON ENDWALLS IF REQUIRED.

DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR JOINT TIES SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL.

JOINT TIES TO BE HOT-DIP GALVANIZED PER ASTM A 153.

① ℄ OF TONGUE AND GROOVE OR BELL AND SPIGOT JOINTS.

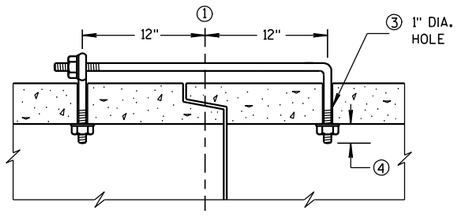
② THE INSIDE OF THE THREADED INSERTS SHALL BE CLEAN TO ALLOW THE INSERTION OF THREADED EYE BOLTS.

③ HOLES SHALL BE CAST-IN-PLACE OR DRILLED 12 INCHES FROM ℄ OF TONGUE AND GROOVE.

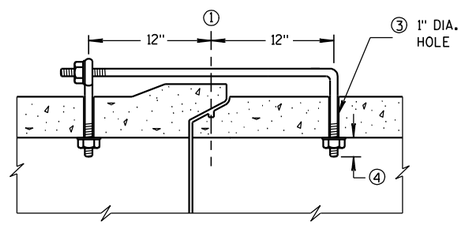
④ BOLT PROJECTION INSIDE OF PIPE SHALL NOT EXCEED 2 INCHES.

⑤ OPENING TO BE ROD DIAMETER PLUS 1 INCH.

⑥ LENGTH ADEQUATE TO EXTEND TO WITHIN 1/2 INCH OF THE INNER SURFACE OF THE PIPE.



(TONGUE & GROOVE PIPE)

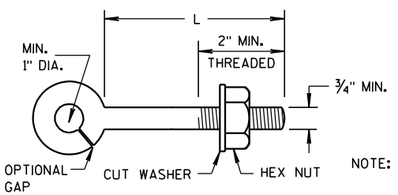


(MODIFIED BELL PIPE)

LONGITUDINAL SECTION

EYE BOLT DIMENSION TABLE

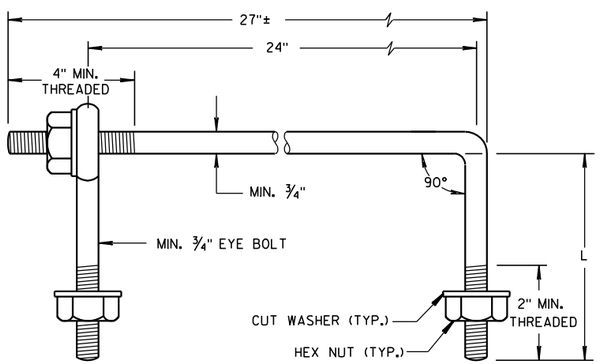
PIPE SIZE	L = LENGTH	
	TONGUE & GROOVE PIPE	MODIFIED BELL PIPE
18" TO 24"	4 1/2"	6 1/4"
30"	5"	7"
36"	5 1/2"	7"
42"	6"	
48"	6 1/2"	
60"	7 1/2"	
66"	8"	



NOTE:

EYE BOLT

NOTE: TWO EYE BOLTS MAY BE USED WITH A 30" LONG THREADED ROD IN LIEU OF THE 90° BENT TIE ROD.



EYE BOLT AND TIE ROD

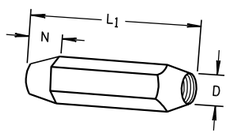
(JOINT TIES FOR 18" TO 66" DIA. CONCRETE PIPE)

EYE BOLT AND TIE ROD ASSEMBLY (ALTERNATE NO. 2)

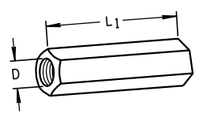
ADJUSTABLE TIE ROD TABLE

PIPE DIAMETER	TIE ROD DIAMETER	D	L_1	N
12-60	5/8	5/8	5	1/2
66-84	3/4	3/4	5	1/2
90-108	1	1	7	1 1/16

DIMENSIONS SHOWN ARE IN INCHES



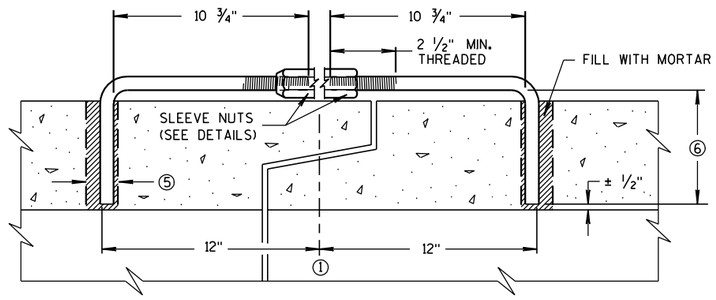
TAPERED



PLAIN

RIGHT AND LEFT THREADS

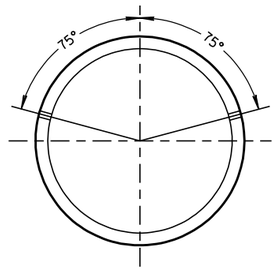
SLEEVE NUTS



LONGITUDINAL SECTION

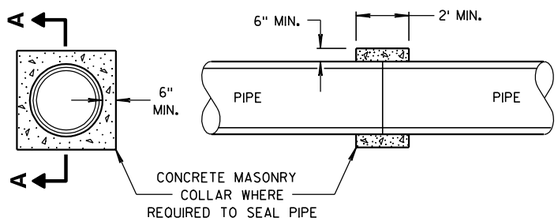
(JOINT TIES FOR 12" TO 108" DIA. CONCRETE PIPE)

ADJUSTABLE TIE ROD (ALTERNATE NO. 3)



PLACEMENT OF (2) CAST-IN-PLACE INSERTS OR HOLES DURING FABRICATION FOR PIPE SECTIONS REQUIRING TIE RODS

TRANSVERSE SECTION



SECTION A-A

CONCRETE COLLAR DETAIL

JOINT TIES FOR CONCRETE PIPE AND CONCRETE COLLAR DETAIL

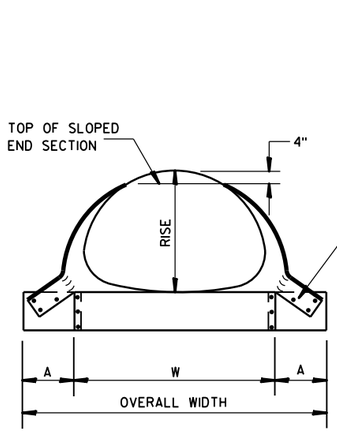
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
6/5/2012 — DATE
/S/ Jerry H. Zogg — ROADWAY STANDARDS ENGINEER
FHWA

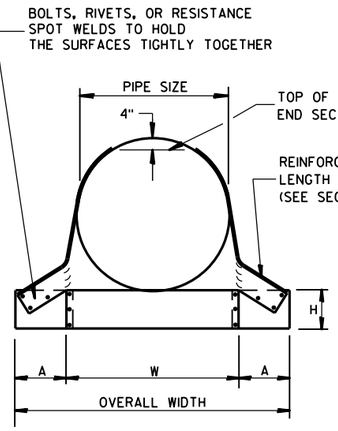
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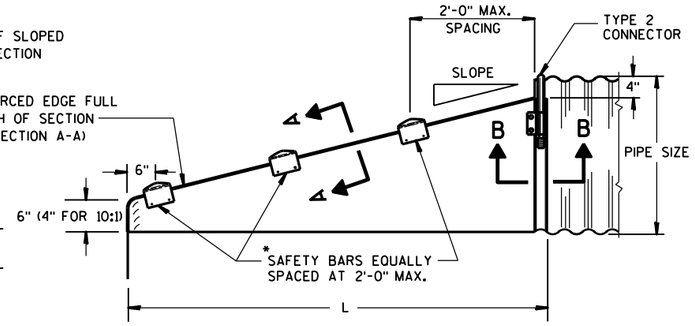
S.D.D. 8 F 4-7



FRONT VIEW



FRONT VIEW



SIDE VIEW

GENERAL NOTES

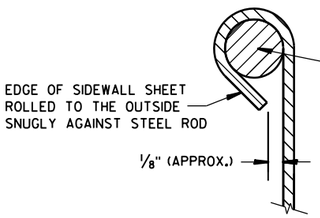
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

SLOPED END SECTIONS SHALL CONFORM TO THE REQUIREMENTS OF THE STANDARD SPECIFICATIONS, SECTION 521 FOR STEEL APRON ENDWALLS.

SAFETY BARS SHALL BE FABRICATED FROM GALVANIZED STEEL PIPE MEETING THE REQUIREMENTS OF ASTM A-53, GRADE B, SCHEDULE 40 OR APPROVED EQUAL.

STEEL APRON ENDWALLS FOR CULVERT PIPE
SLOPED SIDE DRAINS

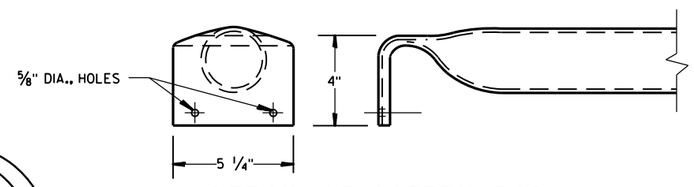
PIPE DIA. (IN.)	MIN. THICK. (Inches)	DIMENSIONS (Inches)				L DIMENSIONS					
		A	H	W	OVERALL WIDTH	SLOPE	LENGTH INCHES	SLOPE	LENGTH INCHES	SLOPE	LENGTH INCHES
15	.064	8	6	21	37	4:1	20	6:1	30	10:1	70
18	.064	8	6	24	40	4:1	32	6:1	48	10:1	100
21	.064	8	6	27	43	4:1	44	6:1	66	10:1	130
24	.064	8	6	30	46	4:1	56	6:1	84	10:1	160
30	.109	12	9	36	60	4:1	80	6:1	120	10:1	220
36	.109	12	9	42	66	4:1	104	6:1	156	10:1	280
42	.109	16	12	48	80	4:1	128	6:1	192	——	——
48	.109	16	12	54	86	4:1	152	6:1	228	——	——
54	.109	16	12	60	92	4:1	176	6:1	264	——	——
60	.109	16	12	66	98	4:1	200	6:1	300	——	——



SECTION A-A

*NOTE:
THREE SAFETY BARS ARE SHOWN. ACTUAL NUMBER OF BARS REQUIRED AT A 2'-0" C-C MAX. SPACING WILL VARY DEPENDING ON THE LENGTH OF THE END SECTION.

3" GALVANIZED PIPE. FLATTEN ENDS, THEN BEND OUTSIDE 4" TO MATCH END SECTION SIDES.

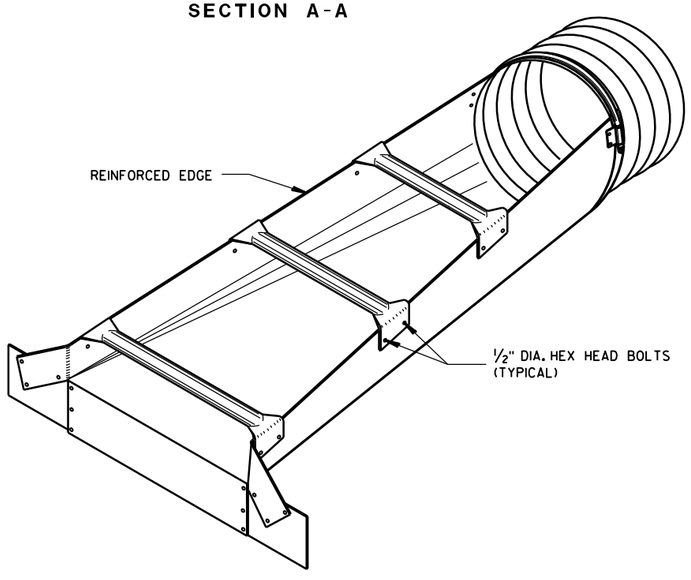


DETAIL OF SAFETY BAR

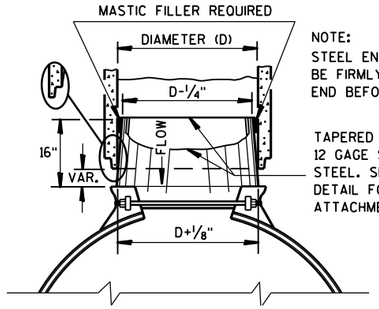
STEEL APRON ENDWALLS FOR PIPE ARCH
SLOPED SIDE DRAINS

EQUIV. DIA. (Inches)	(Inches) SPAN	(Inches) RISE	MIN. THICK. (Inches) ①	DIMENSIONS (Inches) A	H	W	OVERALL WIDTH	L DIMENSIONS SLOPE	LENGTH INCHES	SLOPE	LENGTH INCHES	SLOPE	LENGTH INCHES
15	17	13	.064 *	7	6	30	44	4:1	19	6:1	30	10:1 ②	70
18	21	15	.064 *	8	6	27	43	4:1	20	6:1	30	10:1	70
21	24	18	.064 *	8	6	30	46	4:1	32	6:1	48	10:1	100
24	28	20	.064 *	8	6	34	50	4:1	40	6:1	60	10:1	120
30	35	24	.079 *	12	9	41	65	4:1	56	6:1	84	10:1	160
36	42	29	.109 *	12	9	48	72	4:1	76	6:1	114	10:1	210
42	49	33	.109	16	12	55	87	4:1	92	6:1	138	——	——
48	57	38	.109	16	12	63	95	4:1	112	6:1	168	——	——
54	64	43	.109	16	12	70	102	4:1	132	6:1	198	——	——

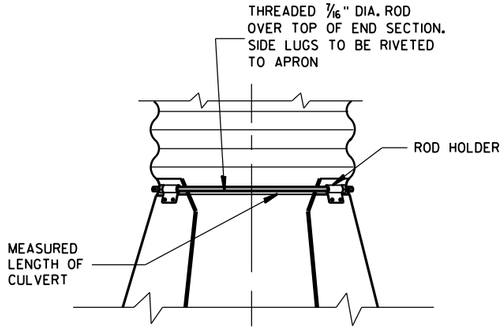
① * MINIMUM THICKNESS OF ALL 10:1 SLOPED SIDE DRAINS IS 0.109".
② ACTUAL SLOPE GREATER THAN 10:1.



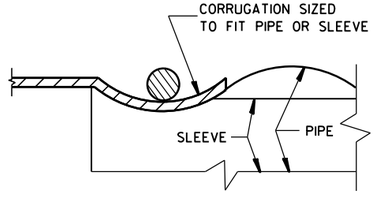
ISOMETRIC VIEW



STEEL ADAPTER SLEEVE FOR CONCRETE PIPE



TYPE 2
CONNECTION DETAIL



SECTION B-B

STEEL APRON ENDWALLS FOR CULVERT PIPE AND PIPE ARCH SLOPED SIDE DRAINS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

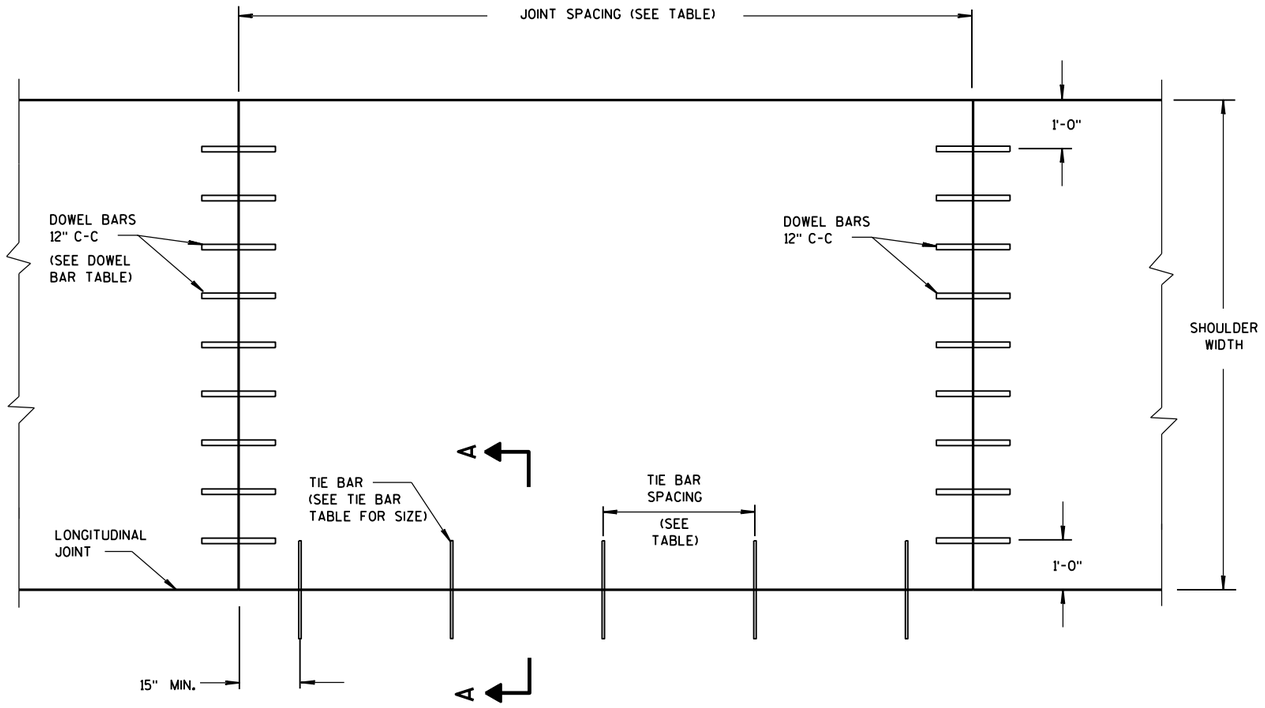
APPROVED
9/14/2012 — DATE
/S/ Jerry H. Zoda — ROADWAY STANDARDS DEVELOPMENT ENGINEER
FHWA

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PLAN VIEW

CONCRETE PAVEMENT SHOULDER

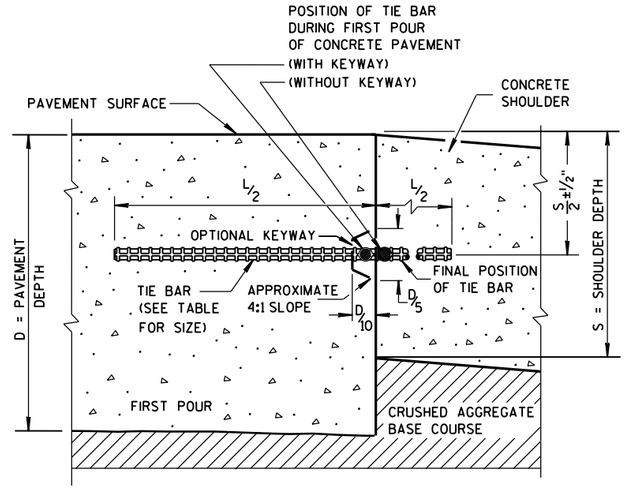
GENERAL NOTES

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

TRANSVERSE JOINT DETAILS ARE SHOWN ELSEWHERE IN THE PLAN.

FINISH THE SHOULDER PAVEMENT CONFORMING TO SUBSECTION 415.3.8 OF THE STANDARD SPECIFICATIONS.

TIE BARS SHALL CONFORM TO SUBSECTION 505.2.4 OF THE STANDARD SPECIFICATIONS.



SECTION A-A

LONGITUDINAL CONSTRUCTION JOINT

TIE BAR TABLE

PAVEMENT DEPTH (D)	TIE BAR SIZE	TIE BAR LENGTH (L)	MAX. TIE BAR SPACING
< 10 ½"	NO. 4	30"	36"
≥ 10 ½"	NO. 5	36"	36"
	NO. 4*	30"	24"**

* SUBSTITUTE BENT BARS AT LONGITUDINAL JOINTS WHEN EQUIPMENT LIMITATIONS DURING CONSTRUCTION WARRANT (e.g. AUXILIARY LANES OR TURN LANES)

** CONFORM TO 15" MINUMUM SPACING FROM TRANSVERSE JOINTS; SPACING BETWEEN TIE BARS WILL BE 30" AT TRANSVERSE JOINTS.

PAVEMENT DEPTH, DOWEL BAR SIZE AND JOINT SPACING TABLE

PAVEMENT DEPTH (D)	DOWEL BAR DIAMETER***	CONTRACTION JOINT SPACING
5 ½", 6", 6 ½"	NONE	12'
7", 7 ½"	1"	14'
8", 8 ½"	1 ¼"	15'
9", 9 ½"	1 ¼"	15'
10" & ABOVE	1 ½"	15'

*** FOR DOWELED CONCRETE SHOULDERS WITH TRAPEZOIDAL CROSS SECTIONS, CHOSE THE APPROPRIATE DOWEL BAR DIAMETER BASED ON THE SMALLER PAVEMENT DEPTH (LIKELY THE OUTSIDE EDGE OF THE SHOULDER). IF USING BASKETS, USE BASKETS FOR THE AVERAGE THICKNESS OF THE CROSS SECTION.

CONCRETE PAVEMENT SHOULDERS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

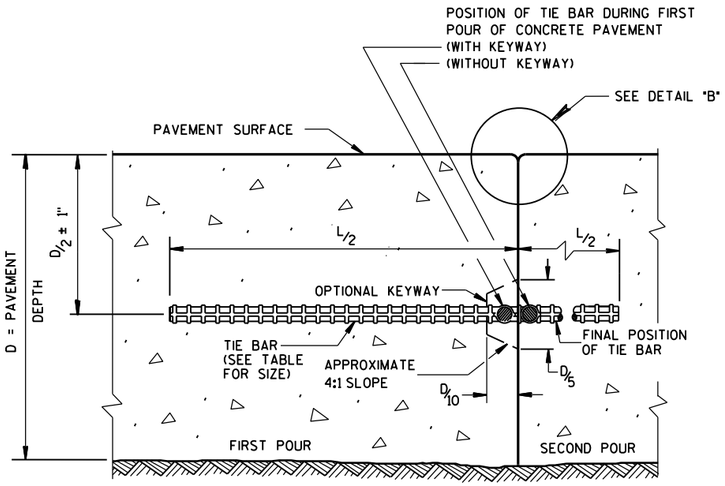
APPROVED
June, 2015 — DATE
/S/ Peter Kemp, P.E. — PAVEMENT SUPERINTENDENT
FHWA

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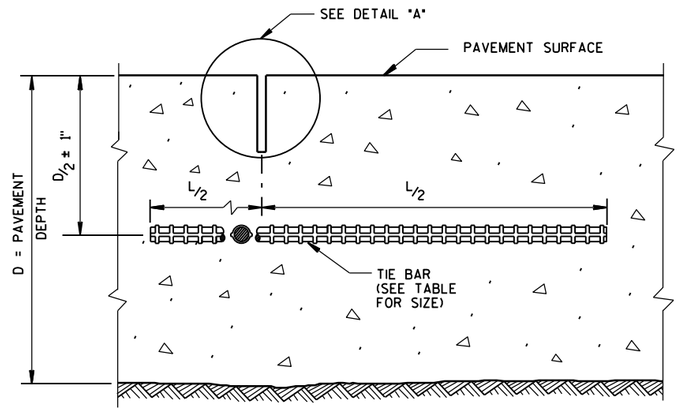
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S.D.D. 13 A 3-6



CONSTRUCTION JOINT



SAWED JOINT

GENERAL NOTES

DO NOT SEAL OR FILL LONGITUDINAL JOINTS.

CREATE A LONGITUDINAL JOINT FOR PAVEMENT WIDTHS GREATER THAN 15 FEET.

CORRELATE LONGITUDINAL JOINTS WITH LANE LINES WHEN POSSIBLE.

(1) ANCHOR TIE BARS INTO DRILLED HOLES WITH AN EPOXY.

(2) PAVEMENT THAT WAS IN PLACE PRIOR TO THE CONTRACT.

PLAN VIEW

SECTION A-A

LONGITUDINAL CONSTRUCTION JOINT TIE BARS ANCHORED INTO EXISTING PAVEMENT

DETAIL "A"

DETAIL "B"

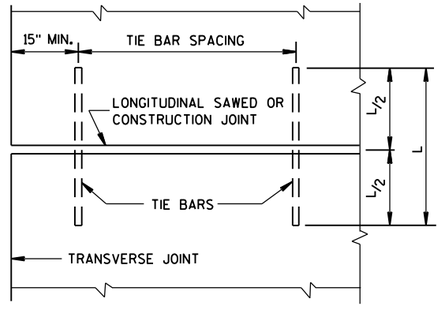
DETAIL "C"

TIE BAR TABLE

PAVEMENT DEPTH (D)	TIE BAR SIZE	TIE BAR LENGTH (L)	MAX. TIE BAR SPACING
< 10 1/2"	NO. 4	30"	36"
≥ 10 1/2"	NO. 5	36"	36"
	NO. 4 *	30"	24"**

* SUBSTITUTE BENT BARS AT LONGITUDINAL JOINTS WHEN EQUIPMENT LIMITATIONS DURING CONSTRUCTION WARRANT (e.g. AUXILIARY LANES OR TURN LANES)

** CONFORM TO 15" MINUMUM SPACING FROM TRANSVERSE JOINTS; SPACING BETWEEN TIE BARS WILL BE 30" AT TRANSVERSE JOINTS.



PLAN VIEW
SHOWING LOCATION OF TIE BARS

CONCRETE PAVEMENT LONGITUDINAL JOINTS AND TIES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

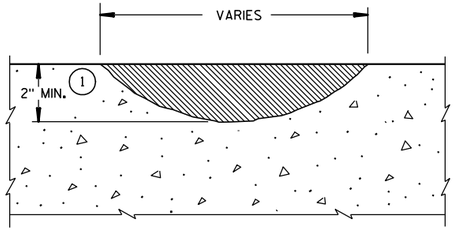
APPROVED
June, 2015
DATE

/S/ Peter Kemp, P.E.
PAVEMENT SUPER

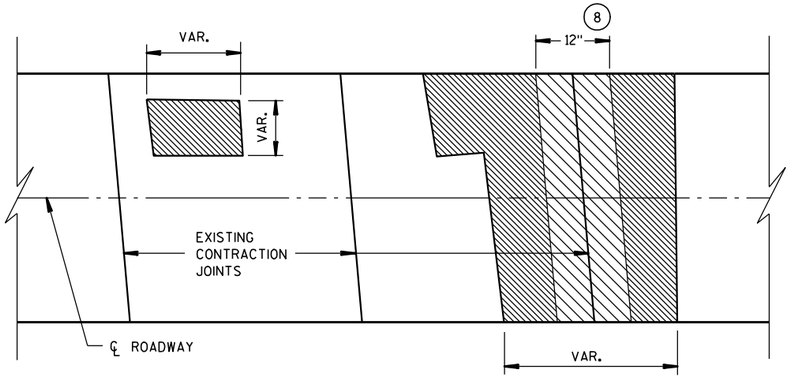
FHWA

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S.D.D. 13 C 1-18

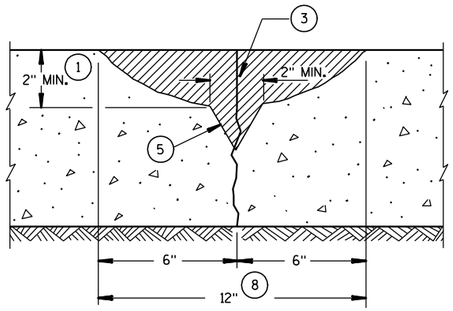


PROFILE VIEW

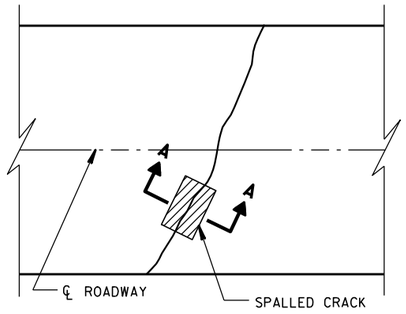


PLAN VIEW

SURFACE REPAIR



SECTION A-A

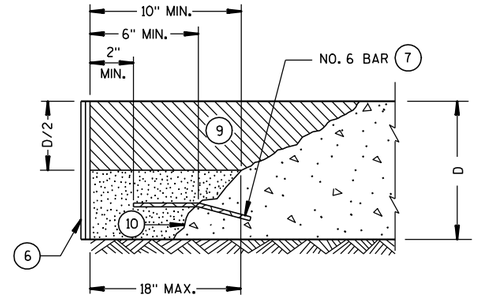


PLAN VIEW

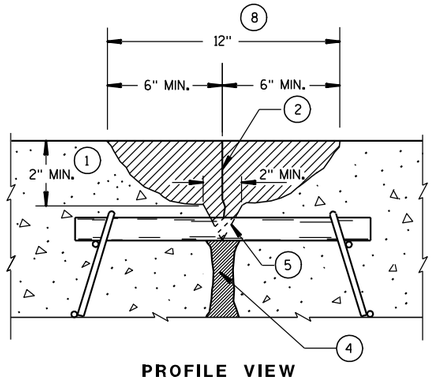
CRACK REPAIR

GENERAL NOTES

1. REMOVE ALL CONCRETE, TO LIMITS SHOWN, TO A MAXIMUM OF ½ THE PAVEMENT DEPTH OR TOP OF DOWELS.
2. IF REPAIR IS DEEPER THAN ANTICIPATED SAWCUT, COMPRESSION RELIEF MATERIAL MUST BE USED. THE THICKNESS OF COMPRESSION RELIEF MATERIAL MUST BE EQUAL TO OR GREATER THAN THE WIDTH OF THE JOINT OR CRACK (1/4"). THIS MATERIAL SHOULD EXTEND FULL DEPTH OF THE REPAIR.
3. COMPRESSION RELIEF MATERIAL MUST BE USED. THE THICKNESS OF COMPRESSION RELIEF MATERIAL MUST BE EQUAL TO OR GREATER THAN THE WIDTH OF THE JOINT OR CRACK (1/4"). THIS MATERIAL SHOULD EXTEND FULL DEPTH OF THE REPAIR.
4. CLEAN, DRY SAND WHEN NECESSARY.
5. REMOVE UNSOUND MATERIAL BY CHIPPING AT 1:1 SLOPE.
6. ¼" MINIMUM PREFORMED JOINT FILLER IF ADJACENT TO CONCRETE. EDGING REQUIRED. FULLY FORMED EDGE IF ADJACENT TO SHOULDER.
7. PAVEMENT TIES AS SHOWN. ALL EMBEDMENTS 6" MINIMUM AND INSTALLED WITH GROUT.
8. OVER 12" (NOMINAL WIDTH) WILL BE PAID AS SURFACE REPAIR.
9. PAID AS JOINT OR CRACK REPAIR.
10. FULL-DEPTH ADJUSTMENT SHALL BE CHIPPED TO BOTTOM OF PCC PAVEMENT AT 1:1 SLOPE.
11. BEYOND 18" WILL BE PAID AS SURFACE REPAIR.

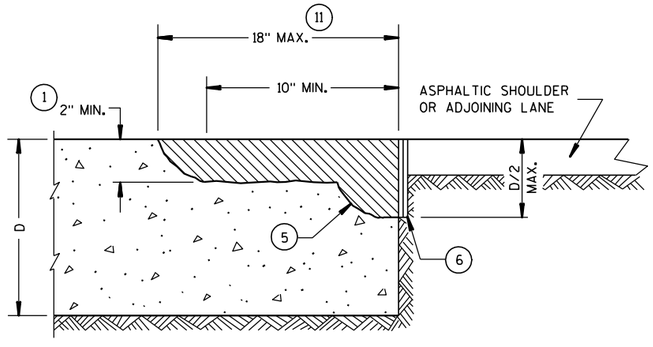


PROFILE VIEW

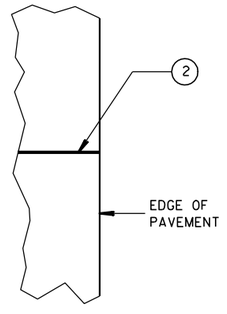


PROFILE VIEW

JOINT REPAIR

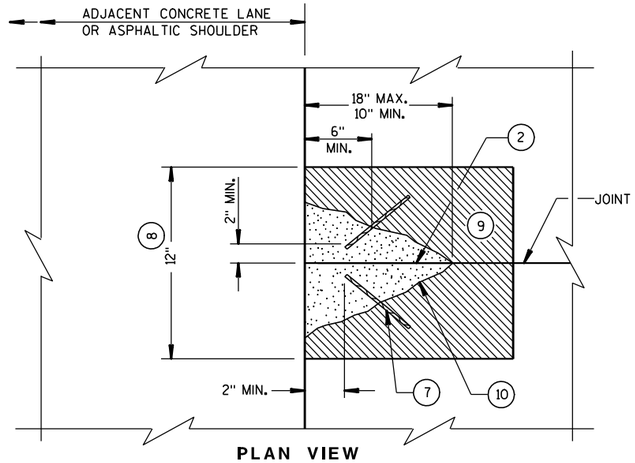


PROFILE VIEW



PLAN VIEW

EDGE REPAIR



PLAN VIEW

FULL DEPTH REPAIR ADJUSTMENT

CONCRETE PAVEMENT PARTIAL DEPTH REPAIR

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
3/21/03 DATE
/S/ Bill Duckert PAVEMENT ENGR
FHWA

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S.D.D. 13 C 8-2

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S.D.D. 13 C 8-2

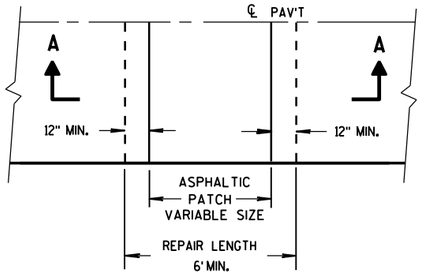
GENERAL NOTES

SAW CUT, DRILL, AND LIFT OUT EXISTING CONCRETE PAVEMENT WITHIN THE BOUNDARIES OF CONCRETE REPAIR AREAS. THE CONTRACTOR MAY MAKE ADDITIONAL SAW CUTS INSIDE THE REPAIR LIMITS TO REDUCE WEIGHT AND SIZE OF CONCRETE PIECES.

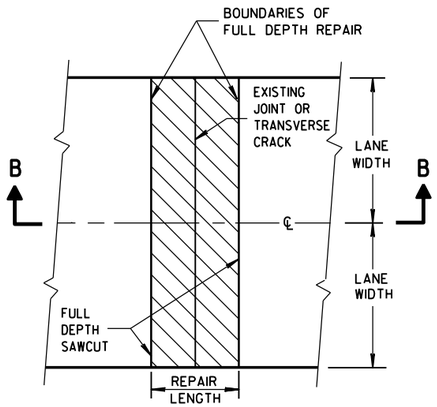
PROVIDE 6-FOOT MINIMUM DISTANCE FROM BOUNDARIES OF CONCRETE REPAIR AREAS TO ADJACENT TRANSVERSE JOINT OR CRACK.

THE LENGTH OF THE REPAIRS MAY VARY FROM THE DIMENSIONS SHOWN IF THE EXISTING CONCRETE PAVEMENT IS NONDOWELED AND THE PAVEMENT IS TO BE OVERLAID AFTER REPAIRING.

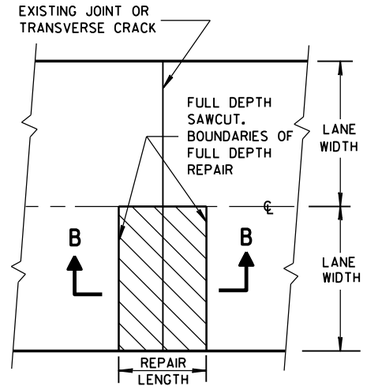
(1) DOWEL BARS MIGHT NOT EXIST.



PLAN VIEW

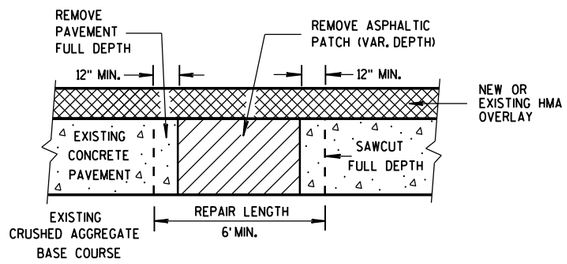


PLAN VIEW
(DOUBLE LANE REPAIR)



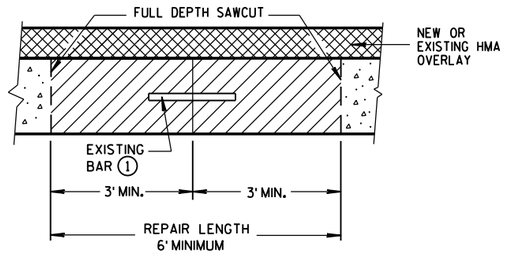
PLAN VIEW
(SINGLE LANE REPAIR)

FULL DEPTH CONCRETE PAVEMENT REMOVAL



SECTION A-A

HMA PATCH REMOVAL



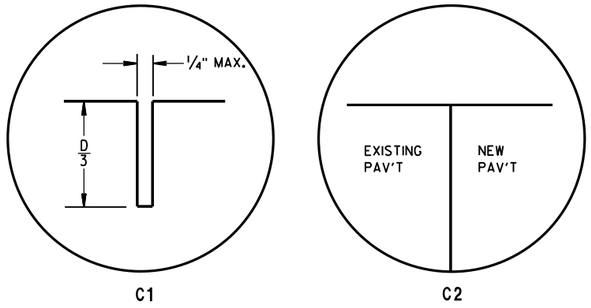
SECTION B-B

CONCRETE REMOVAL

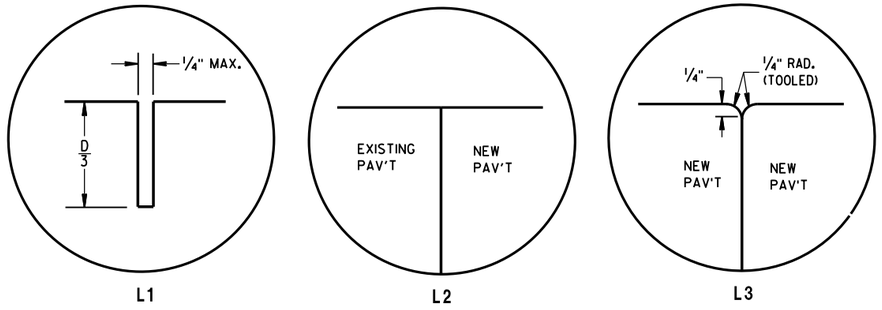
BASE PATCHING CONCRETE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR

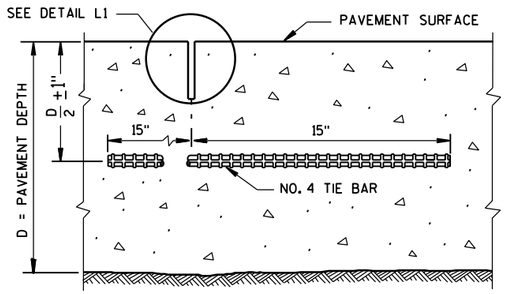
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S.D.D. 13 C 14-6a



TRANSVERSE JOINTS

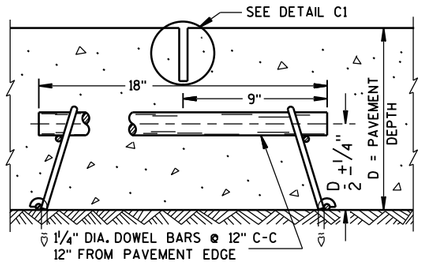


LONGITUDINAL JOINTS



SECTION C-C

SAWED LONGITUDINAL JOINT



SECTION F-F

CONTRACTION JOINT

GENERAL NOTES

INSTALL DOWEL BARS PARALLEL TO THE PAVEMENT CENTERLINE AND PAVEMENT SURFACE.

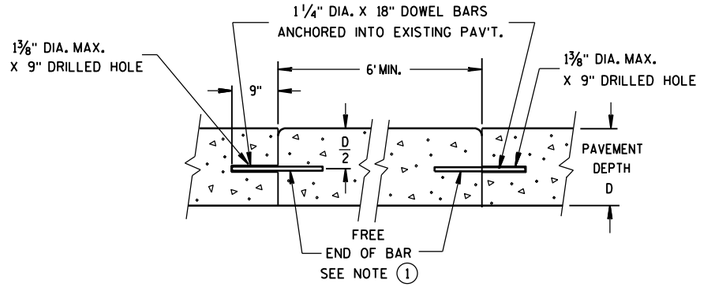
CONCRETE BASE PATCHES OF EXISTING NONDOWELED CONCRETE PAVEMENTS DO NOT NEED TO BE DOWELED.

DO NOT SEAL OR FILL JOINTS.

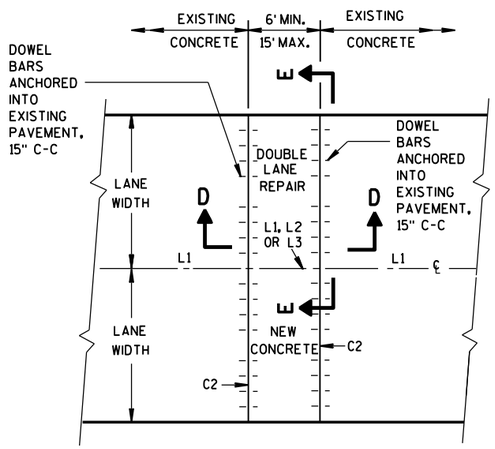
ANCHOR DOWEL BARS AND TIE BARS INTO DRILLED HOLES WITH AN EPOXY.

PROVIDE A MINIMUM DISTANCE OF 15 INCHES FROM AN EXISTING TRANSVERSE JOINT OR THE EDGE OF REPLACEMENT TO THE CENTER OF THE TIE BAR NEAREST THAT JOINT OR EDGE.

(1) APPLY A THIN UNIFORM COATING OF SURFACE TREATMENT TO THE FREE END OF DOWEL BARS TO PREVENT BONDING.

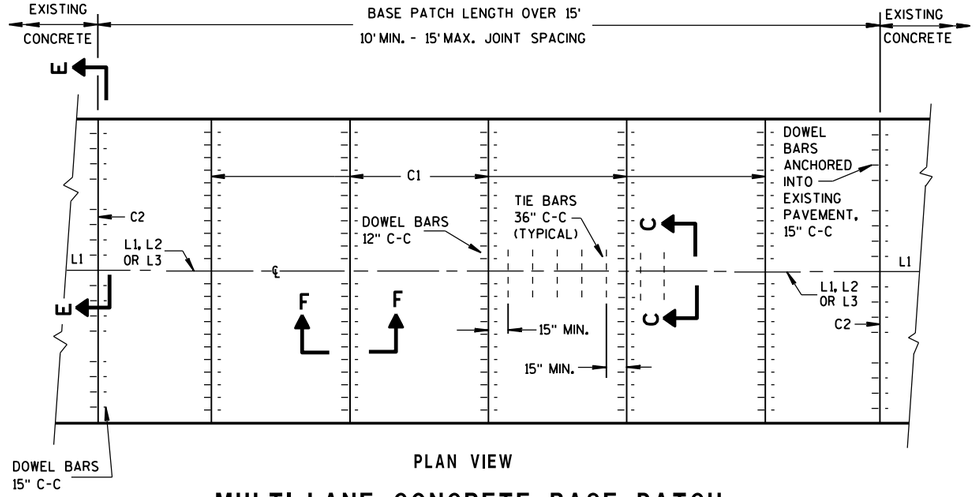


SECTION D-D



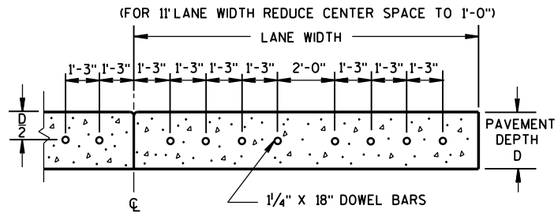
PLAN VIEW

MULTI-LANE CONCRETE BASE PATCH 15' MAXIMUM LENGTH



PLAN VIEW

MULTI-LANE CONCRETE BASE PATCH GREATER THAN 15' IN LENGTH



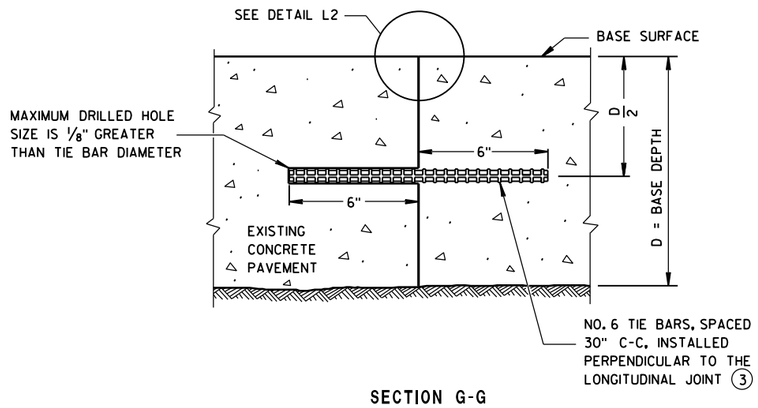
SECTION E-E

SPACING OF DOWEL BARS ANCHORED INTO EXISTING PAVEMENT

BASE PATCHING CONCRETE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

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S.D.D. 13 C 14-6b



SECTION G-G

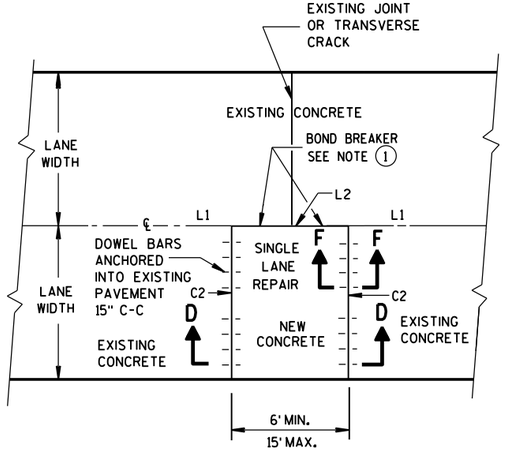
TIE BARS ANCHORED INTO EXISTING PAVEMENT

GENERAL NOTES

(1) USE AN ENGINEER-APPROVED BOND BREAKER (E.G. RELEASE AGENT, CURING COMPOUND) FOR SINGLE LANE BASE PATCHES UP TO 15 FEET IN LENGTH.

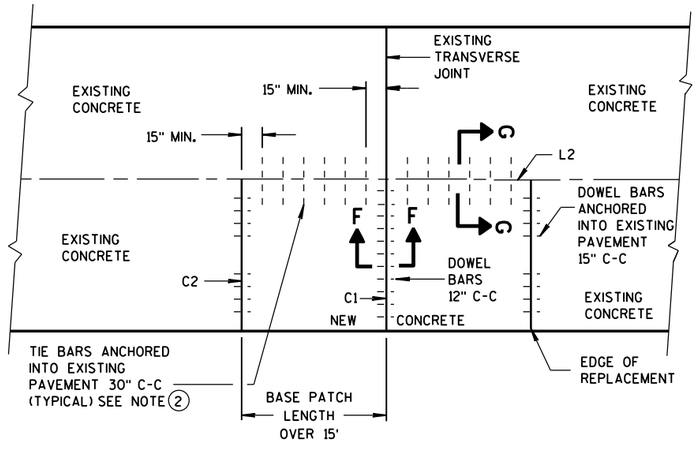
(2) WITH THE APPROVAL OF THE ENGINEER, FOR SINGLE LANE PAVEMENT REPLACEMENTS LESS THAN 30 FEET IN LENGTH, DRILLED TIE BARS MAY BE INSTALLED ON 6:1 SKEW HORIZONTALLY, DIRECTION OF SKEW ALTERNATING WITH EACH SUCCESSIVE BAR. DRIVE SKEWED TIE BARS TO A DEPTH OF 6 INCHES IN A HOLE OF SUCH A DIAMETER AS TO PROVIDE A TIGHT DRIVEN FIT.

(3) ANCHOR TIE BARS INTO DRILLED HOLES WITH AN EPOXY.



PLAN VIEW

SINGLE LANE CONCRETE BASE PATCH 15' MAXIMUM LENGTH



PLAN VIEW

SINGLE LANE CONCRETE BASE PATCH GREATER THAN 15' IN LENGTH

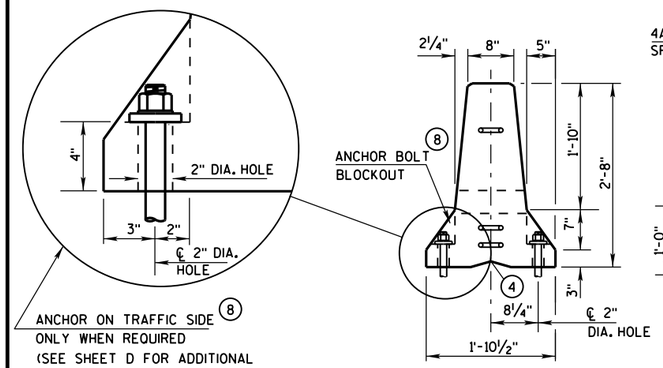
BASE PATCHING CONCRETE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

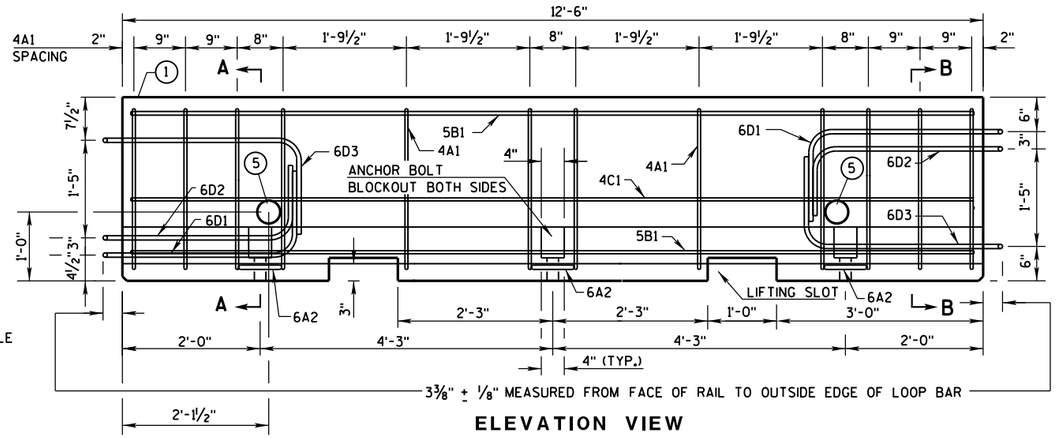
APPROVED
Sept., 2015 — DATE
/S/ Peter Kemp, P.E. — PAVEMENT SUPER
FHWA

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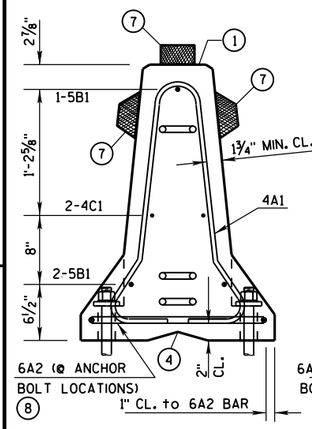
S.D.D. 13 C 14-6c



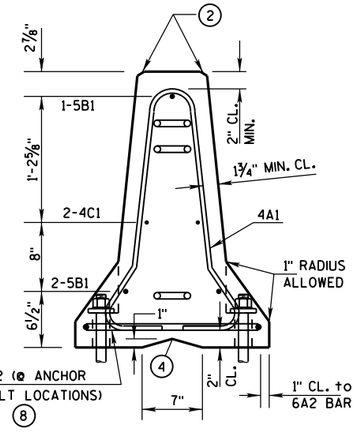
END VIEW



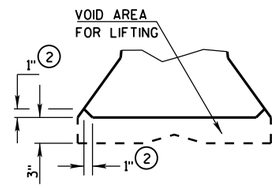
ELEVATION VIEW



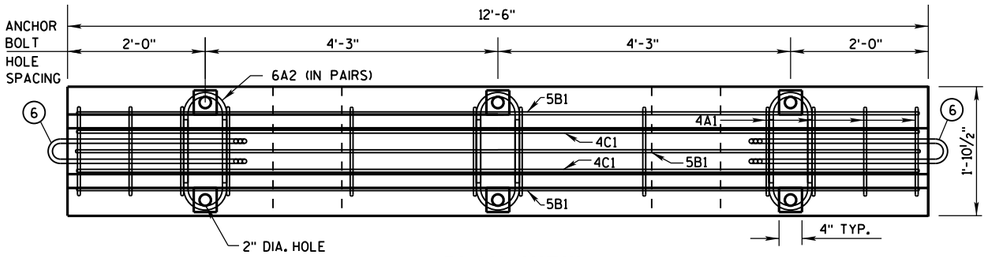
SECTION A-A
(STIRRUP PLACEMENT)



SECTION B-B
(STIRRUP PLACEMENT)

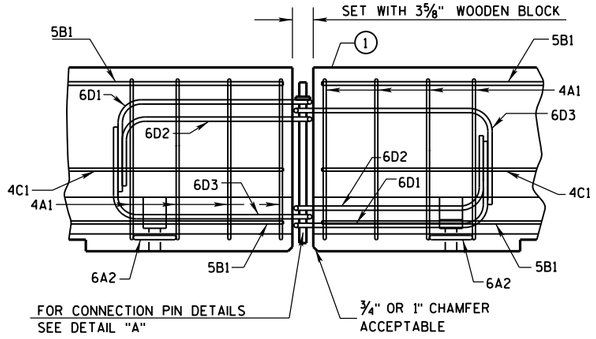


DETAIL "B"
LIFTING SLOT DETAIL

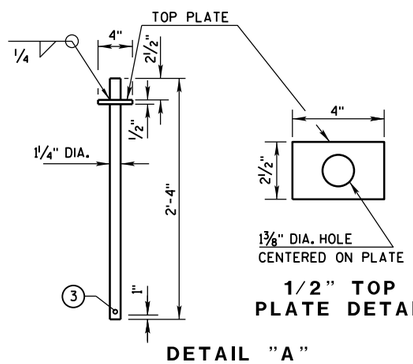


PLAN VIEW

DETAILS OF BARRIER SECTION

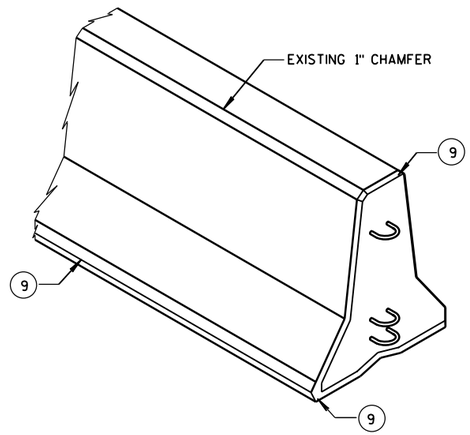


DETAILS OF BARRIER CONNECTION



1/2" TOP
PLATE DETAIL

DETAIL "A"
CONNECTION PIN
(A36 STEEL (10.9 LB EACH))



GENERAL NOTES

THESE GENERAL NOTES APPLY TO SHEETS 14B7-15(a) THRU 14B7-15(i).

DO NOT INTERMIX CONCRETE BARRIER TEMPORARY PRCAST, 12'-6" (CBTP12.5) WITH OTHER TEMPORARY CONCRETE BARRIERS.

USE ASTM A-615, GRADE 60, DEFORMED STEEL BARS FOR BARS 4A1, 6A2, 5B1 AND 4C1 IN THE BARRIER SECTION AND FOR 4V1, 4V2, 4V3, 4V4, 4V5, 4V6, 4F1, 4F2 AND 5F3 IN THE BARRIER TAPER SECTION.

LOOP BARS 6D1, 6D2 AND 6D3 SHALL BE ¾" SMOOTH STEEL BARS WITH A MINIMUM YIELD STRENGTH OF 60 KSI, A TENSILE STRENGTH OF NOT LESS THAN 1.25 TIMES THE YIELD STRENGTH BUT A MINIMUM OF 80 KSI, A MINIMUM 14% ELONGATION IN 8 INCHES AND PASSING A 180 DEGREE BEND TEST USING A 3-½" PIN BEND DIAMETER FOR BEND TESTS. THE LOOPS SHALL BE INSTALLED WITHIN ⅛" OF THE PLAN DIMENSION.

CONSTRUCT LIFTING SLOTS AS SPECIFIED ON THE PLANS TO FACILITATE THE DRAINAGE OF WATER AFTER INSTALLATION.

PLACE BARRIER ON A PAVED SURFACE. REMOVE ALL LOOSE DIRT AND SAND FROM THE ROADWAY SURFACE PRIOR TO PLACEMENT OF THE BARRIER.

INSTALL MECHANICAL OR ADHESIVE ANCHORS PER MANUFACTURER'S RECOMMENDATIONS. PROVIDE MANUFACTURER'S INFORMATION TO PROJECT ENGINEER.

(1) MARK ONE END OF EACH BARRIER PERMANENTLY BY FORMING INTO THE BARRIER THE FOLLOWING INFORMATION:
- a. TYPE: WI CBTP
- b. MANUFACTURER
- c. DATE MANUFACTURED (MONTH AND YEAR)

(2) 1" CHAMFER TO PREVENT SPALLING.

(3) A ⅜" HOLE IN THE CONNECTION PIN, AT THE LOCATION SHOWN, IS ACCEPTABLE, BUT NOT REQUIRED..

(4) "V" NOTCH IS OPTIONAL.

(5) THE 4" DIAMETER, 11 GAUGE STEEL, ROUND MECHANICAL TUBING SLEEVE FOR LIFTING (OPTIONAL).

(6) NEVER USE LOOP BARS (6D1, 6D2 OR 6D3) TO LIFT, MOVE OR REPOSITION THE BARRIER.

(7) USE DELINEATORS CONFORMING TO SECTION 633 OF THE STANDARD SPECIFICATIONS. CONTRACTOR MAY USE ALTERNATE SHAPES AND HOUSING. INSTALL DELINEATORS ACCORDING TO MANUFACTURES INSTRUCTION. INSTALL YELLOW REFLECTORS WHEN BARRIER IS LOCATED TO THE LEFT OF TRAFFIC AND WHITE REFLECTORS WHEN BARRIER IS LOCATED TO THE RIGHT OF TRAFFIC. SPACE DELINEATORS A MAXIMUM OF 25 FEET APART. PROVIDE TOP MOUNTED DELINEATORS IN ADDITION TO THE SIDE MOUNTED DELINEATORS ON ALL BARRIER INSTALLATIONS LOCATED ON A CURVED ALIGNMENT LONGER THAN 200 FEET AND ON BARRIERS USED TO SEPARATE OPPOSING TRAFFIC.

(8) SEE SHEET D FOR HOW TO ANCHOR BARRIER. SEE SHEET E FOR WHEN TO ANCHOR BARRIER.

(9) 1" CHAMFER OPTIONAL.

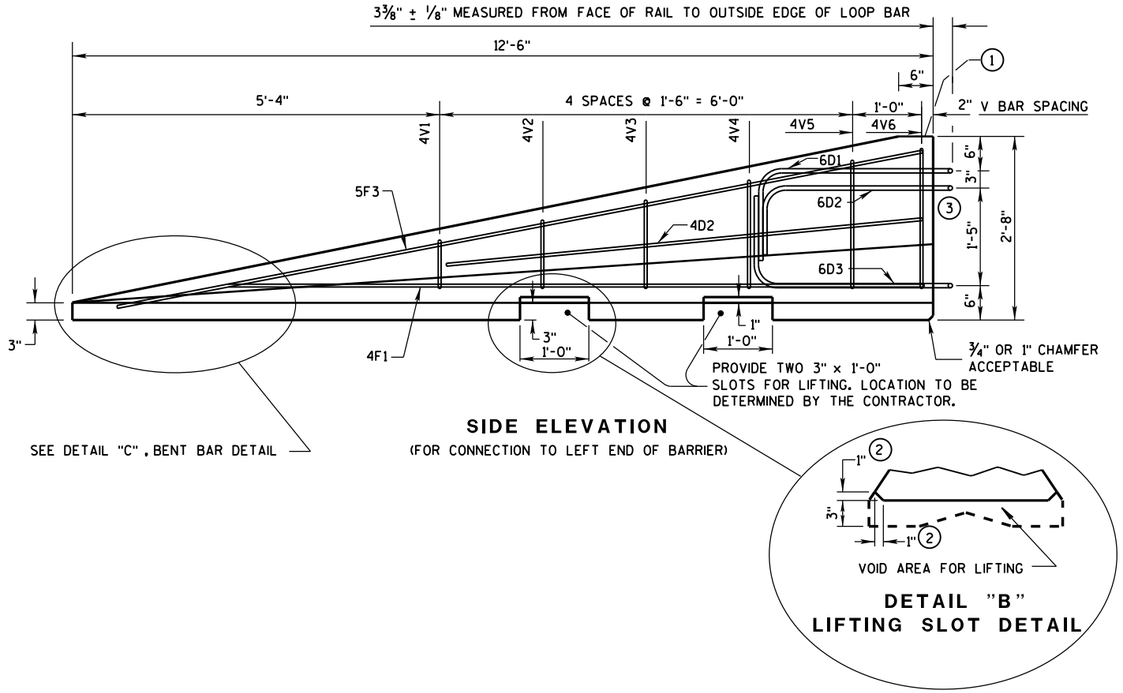
f'c = 4,000 psi

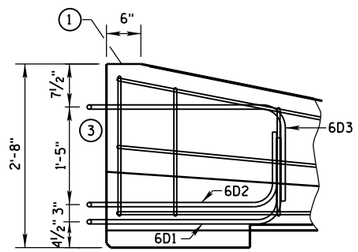
CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR

6

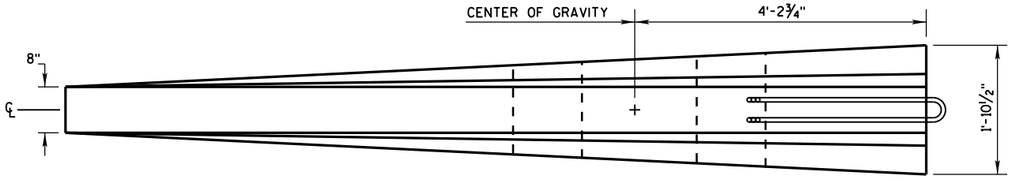
S.D.D. 14 B 7-15a

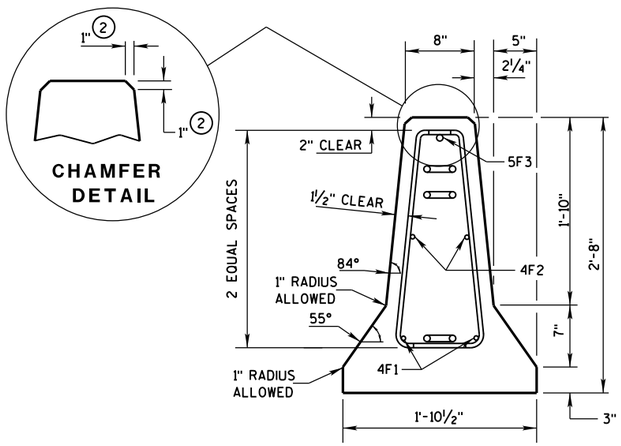


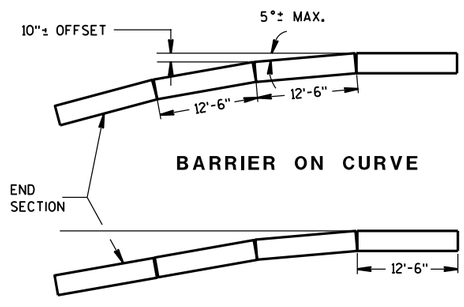


GENERAL NOTES

1. MARK ONE END OF EACH BARRIER PERMANENTLY BY FORMING INTO THE BARRIER THE FOLLOWING INFORMATION:
   a. TYPE WICBTP
   b. MANUFACTURER
   c. DATE MANUFACTURED (MONTH AND YEAR)
2. 1" CHAMFER TO PREVENT SPALLING.
3. NEVER USE LOOP BARS (6D1, 6D2 OR 6D3) TO LIFT, MOVE OR REPOSITION THE BARRIER.







POSTED SPEED, (MPH)	FLARE RATE
40 OR LESS	6:1
45 OR GREATER	8:1

DETAILS OF BARRIER TAPER SECTION

CONCRETE BARRIER
TEMPORARY PRECAST, 12'-6"

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

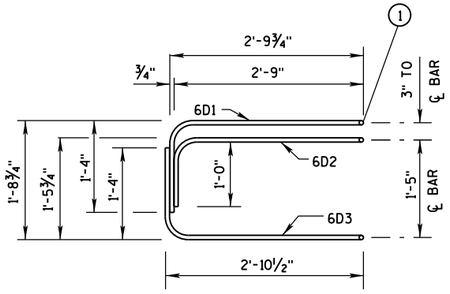
6

S.D.D. 14 B 7-15b

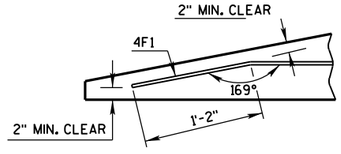
BARRIER TAPER SECTION BILL OF MATERIALS

(PER 12'-6" BARRIER TAPER SECTION)

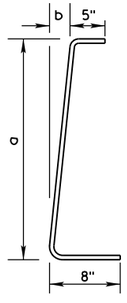
BAR	BAR SIZE	NO. OF BARS	LENGTH FT.
4V1	4	2	1'-11"
4V2	4	2	2'-2"
4V3	4	2	2'-6"
4V4	4	2	2'-9"
4V5	4	2	3'-2"
4V6	4	2	3'-4"
4F1	4	2	12'-0"
4F2	4	2	7'-6"
5F3	5	1	11'-9"
LOOP ASSEMBLY			
6D1	6	1	8'-5"
6D2	6	1	7'-7"
6D3	6	1	8'-6"



ELEVATION
LOOP BAR ASSEMBLY



DETAIL "C"
BENT BAR DETAIL



BAR	a	b
V1	10"	1"
V2	1'-1"	1¼"
V3	1'-5"	1⅝"
V4	1'-8"	1⅞"
V5	2'-0½"	2⅜"
V6	2'-3"	2¾"

4V BARS
2 AT EACH SIZE REQUIRED
FOR STIRRUP ASSEMBLY

TAPER BARRIER SECTION

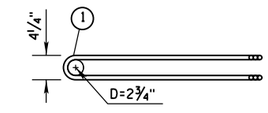
GENERAL NOTES

(1) NEVER USE LOOP BARS (6D1, 6D2 OR 6D3) TO LIFT, MOVE OR REPOSITION THE BARRIER.

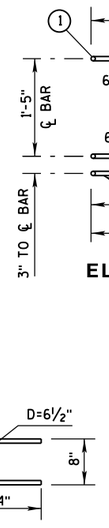
BARRIER SECTION BILL OF MATERIALS

(PER 12'-6" BARRIER SECTION)

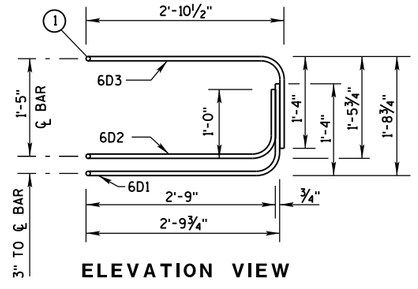
BAR	BAR SIZE	NO. OF BARS	LENGTH FT.
4A1	4	12	6'-0"
6A2	6	6	2'-11"
5B1	5	3	12'-2"
4C1	4	2	12'-2"
LOOP ASSEMBLY			
6D1	6	2	8'-5"
6D2	6	2	7'-7"
6D3	6	2	8'-6"



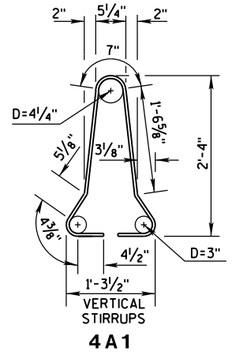
PLAN VIEW
LOOP BAR ASSEMBLY
(MARKED END SHOWN, INVERT FOR OTHER END)



6A2



ELEVATION VIEW



4A1

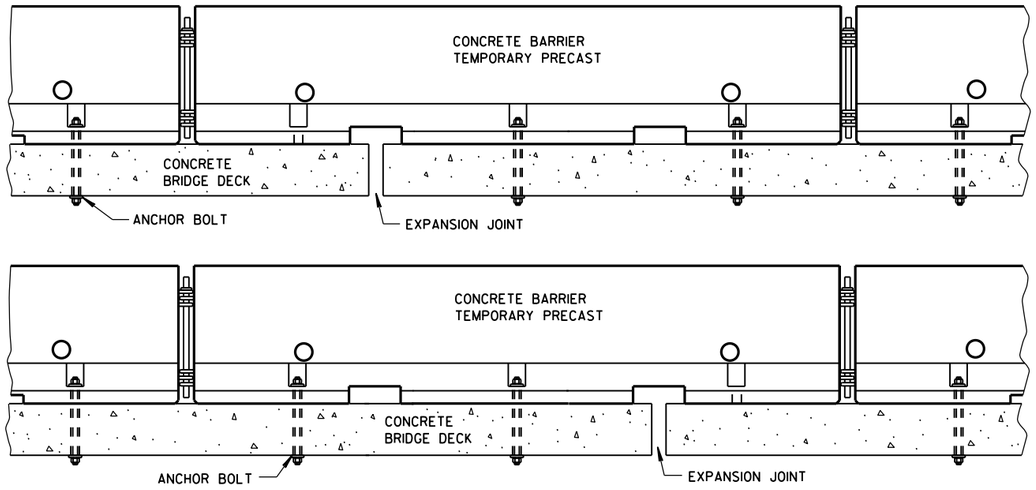
BARRIER SECTION

CONCRETE BARRIER
TEMPORARY PRECAST, 12'-6"

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR

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S.D.D. 14 B 7-15c



TREATMENT AT BRIDGE DECK EXPANSION JOINTS

(NO SINGLE CONCRETE BARRIER SECTION SHALL BE ANCHORED TO BOTH THE BRIDGE DECK AND THE APPROACH SLAB. ALL ANCHOR BOLT LOCATIONS SHALL BE ANCHORED TO THE DECK IN ACCORDANCE WITH THE DETAIL. NO MORE THAN ONE ANCHOR BOLT SHALL BE ELIMINATED FROM A BARRIER SECTION WHEN SPANNING AN EXPANSION JOINT.)

GENERAL NOTES

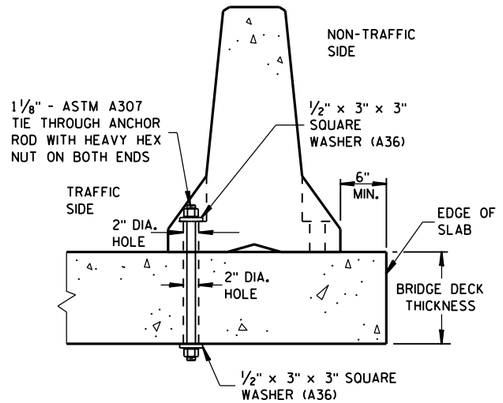
SEE SHEET E FOR WHEN TO ANCHOR. OTHER PARTS OF THE PLAN MAY SHOW ADDITIONAL LOCATIONS REQUIRING ANCHORING.

REMOVE ALL ANCHORS WHEN NO LONGER NEEDED. FILL CONCRETE PAVEMENTS, DECKS AND APPROACH SLABS WITH NON-SHRINK COMMERICAL GROUT FROM THE APPROVED PRODUCT LIST. FILL ASPHALT PAVEMENTS WITH ASTM D6690 TYPE II RUBBERIZED CRACK FILLER.

(1) 1⅛" DIAMENTER A307 THREADED ROD. ½" X 3" X 3" SQUARE PLATE WASHER WITH ASTM A36 STEEL. ASTM A563A HEAVY HEX NUT.

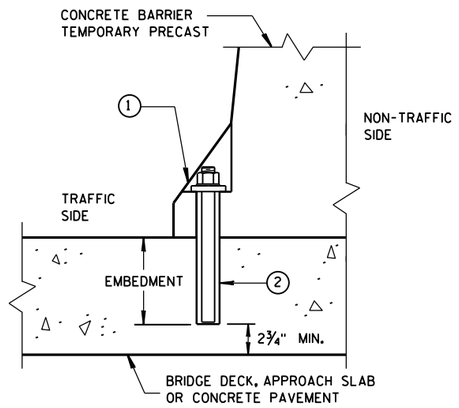
(2) ADHESIVE ANCHORS WITH A MINIMUM BOND STRENGTH OF 1,800 PSI AND 5¼" EMBEDMENT. SEE 603.2 AND 603.3.1.2 OF THE WISCONSIN STANDARD SPECIFICATIONS FOR MORE INFORMATION ON ADHESIVE ANCHORS.

(3) ASPHALT SURFACE SHOWN. CONTRACTOR MAY DRILL THROUGH CONCRETE PAVEMENT AND THAN DRIVE ASPHALT ANCHOR PIN.



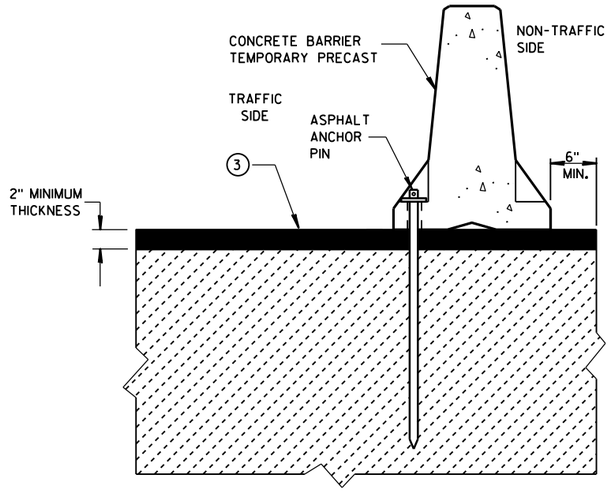
THROUGH BOLTED ANCHOR INSTALLATION ON BRIDGE DECK

(DO NOTUSE ON CONCRETE BRIDGE DECK WITH ASPHALT OVERLAY)

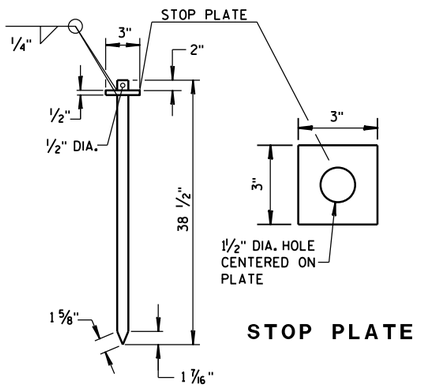


REMOVABLE ADHESIVE ANCHOR INSTALLATION ON CONCRETE BRIDGE DECK, CONCRETE APPROACH SLAB, OR CONCRETE PAVEMENT

(DO NOT USE ON CONCRETE WITH AN ASPHALTIC OVERLAY)



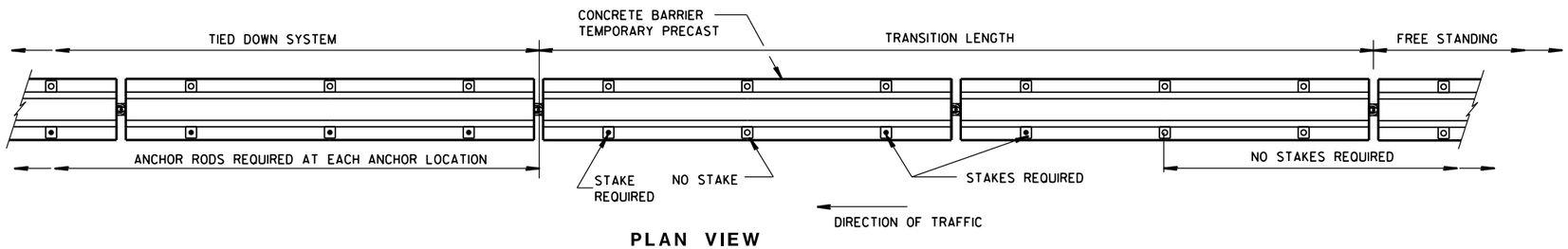
STAKE DOWN INSTALLATION FOR ASPHALTIC SURFACE



STOP PLATE

ASPHALT ANCHOR PIN

(ASTM A36 STEEL)



PLAN VIEW

FREE STANDING TRANSITION TO TIED-DOWN SYSTEM

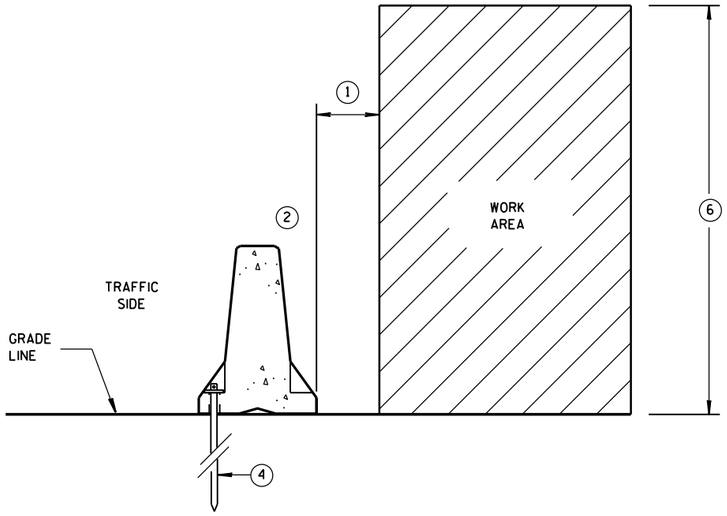
(PLACE TRANSITION IN A TANGENT SECTION OF BARRIER PARALLEL TO THE ROADWAY. IF TRANSITION OCCURS ON STRUCTURAL SLAB, ANCHOR AS SHOWN.)

CONCRETE BARRIER
TEMPORARY PRECAST, 12'-6"

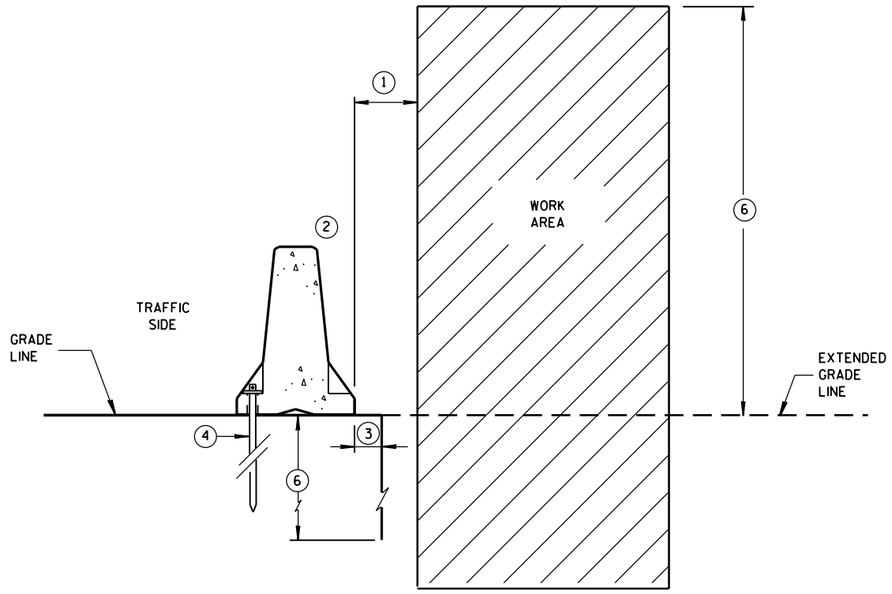
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

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S.D.D. 14 B 7-15d



ANCHORED BARRIER SPACE REQUIREMENTS FOR HAZARDS EXTENDED ABOVE THE GRADE LINE

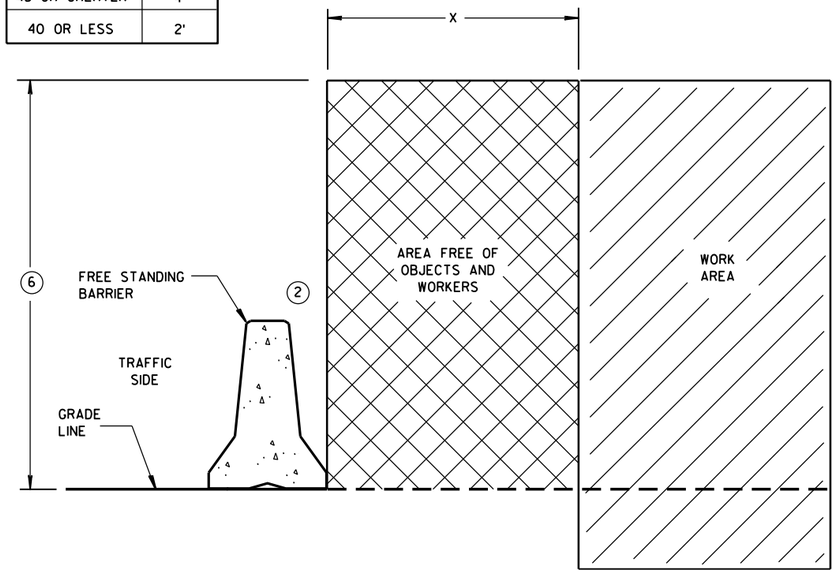


ANCHORED BARRIER SPACE REQUIREMENTS ON VERTICAL DROP OFFS

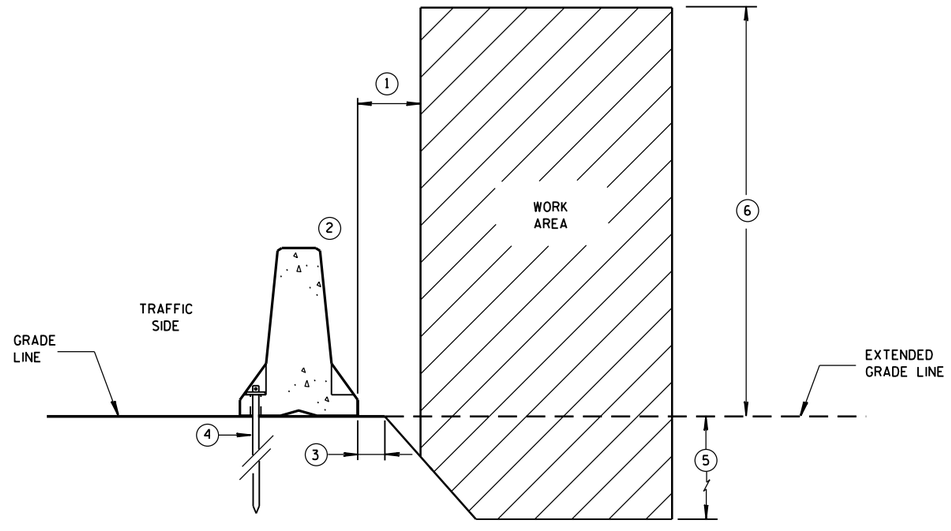
GENERAL NOTES

1. WHEN OBJECTS EXTEND ABOVE THE GRADE, A MINIMUM OF 1 FOOT IS REQUIRED FROM BACK OF BARRIER TO OBJECT. SEE OTHER DETAILS FOR FOR THE MINIMUM OFFSET FROM BACK OF BARRIER TO SLOPES OR VERTICAL DROPS.
2. OBJECTS ARE NOT TO BE PLACED ON, MOUNTED TO, OR LEANED AGAINST THE BARRIER WITHOUT PERMISSION OF THE PROJECT ENGINEER.
3. SEE OTHER DETAIL ON SHEET "D" FOR SPACE REQUIREMENTS.
4. SEE BOLT THROUGH DECK, REMOVABLE ADHESIVE ANCHOR, OR A STAKE DOWN FOR ASPHALTIC SURFACE TREATMENT DETAILS. ASPHALTIC ANCHOR SHOWN.
5. DEPTH OF 3 FEET OR MORE.
6. Y = 6'-6".

POSTED SPEED MPH	X
45 OR GREATER	4'
40 OR LESS	2'



FREE STANDING BARRIER SPACE REQUIREMENTS



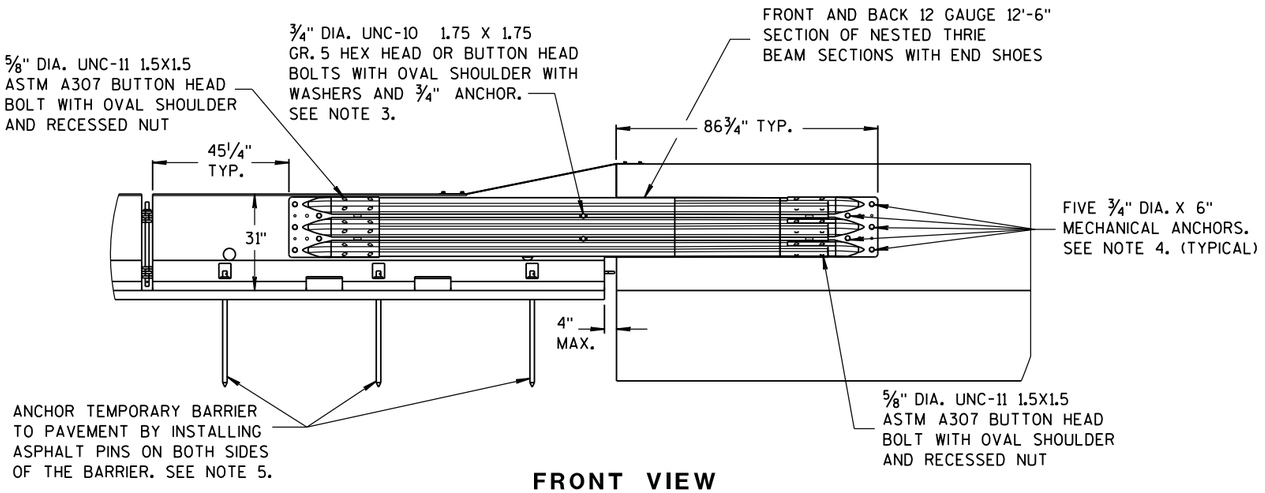
ANCHORED BARRIER SPACE REQUIREMENTS ON SLOPES

CONCRETE BARRIER
TEMPORARY PRECAST, 12'-6"

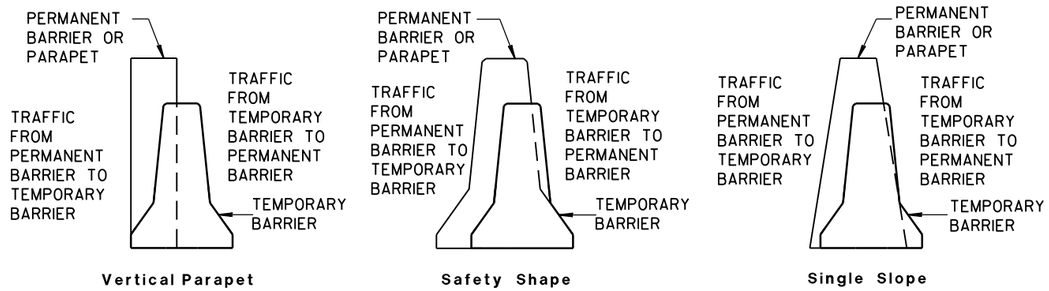
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

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S.D.D. 14 B 7-15e



FRONT VIEW

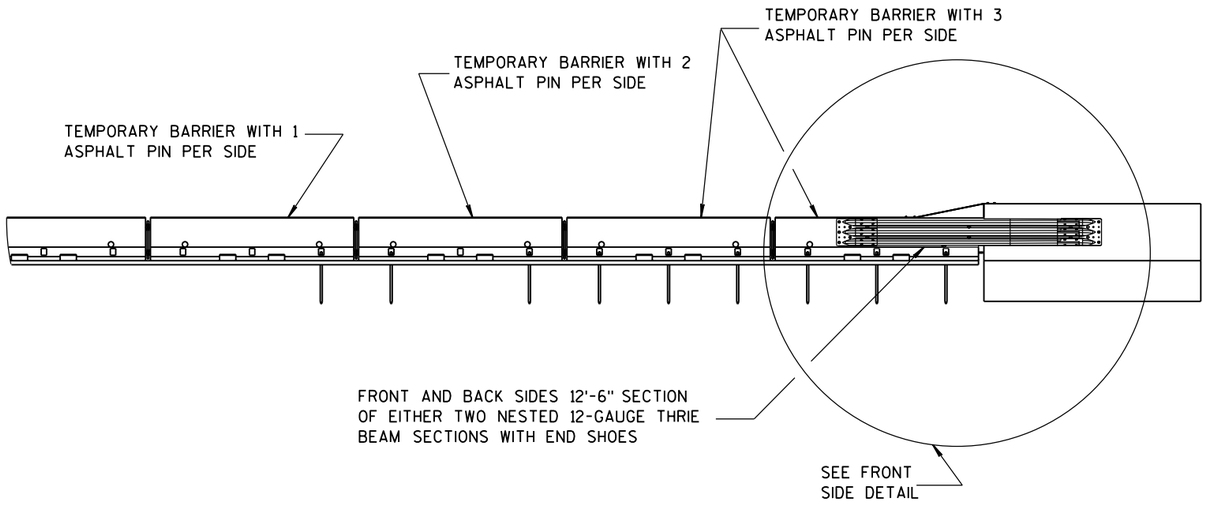


TEMPORARY BARRIER PLACEMENT FOR BI-DIRECTIONAL TRANSITION TO TIED-DOWN SYSTEM

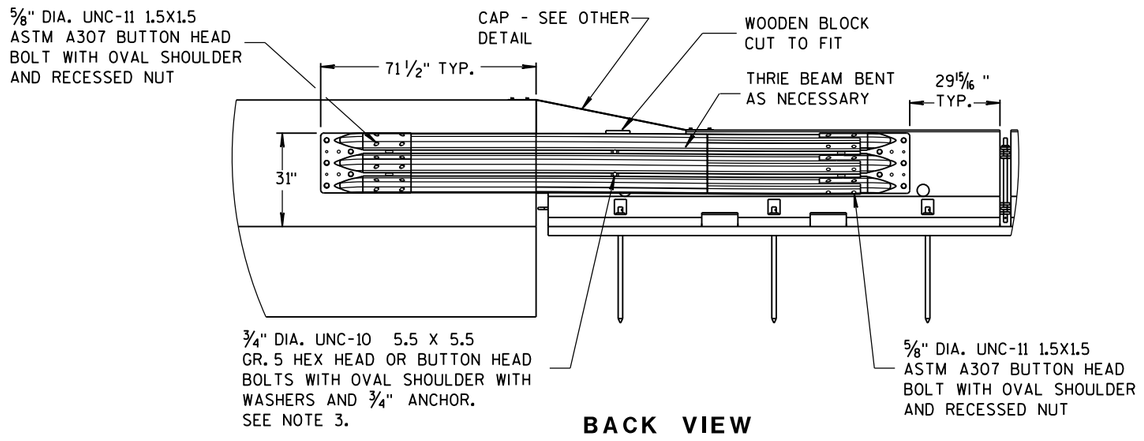
NOTES

NESTED THRIE BEAM IS REQUIRED ON BOTH SIDES OF THE TEMPORARY BARRIER FOR ALL INSTALLATIONS REGARDLESS OF TRAFFIC.

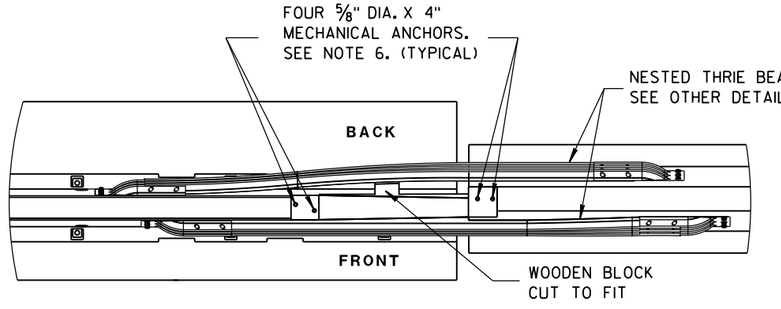
1. CAP END PLATE PLACED FLUSH WITH UPSTREAM END OF PERMANENT BARRIER OR PARAPET.
2. THRIE BEAM PIECES ARE OFFSET 15 1/4" TO PREVENT INTERFERENCE FROM THE ANCHORS ON OPPOSING SIDES.
3. MINIMUM MECHANICAL OR ADHESIVE ANCHOR STRENGTH REQUIREMENTS: ULTIMATE TENSILE LOAD 9.48 KIPS AND ULTIMATE SHEAR LOAD 10.48 KIPS.
4. MINIMUM MECHANICAL OR ADHESIVE ANCHOR STRENGTH REQUIREMENTS: ULTIMATE TENSILE LOAD 17.9 KIPS AND ULTIMATE SHEAR LOAD 21.96 KIPS.
5. MAY BE USED ON CONCRETE OR ASPHALT PAVEMENTS. ASPHALT OPTION SHOWN. FOR CONCRETE OPTION SEE OTHER DETAILS.
6. MINIMUM MECHANICAL OR ADHESIVE ANCHOR STRENGTH REQUIREMENTS: ULTIMATE TENSILE LOAD 12.14 KIPS AND ULTIMATE SHEAR LOAD 17.5 KIPS.



FRONT VIEW



BACK VIEW



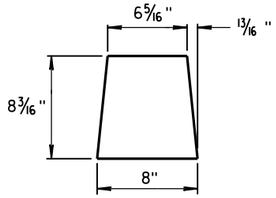
PLAN VIEW

BI-DIRECTIONAL TRANSITION TO TIED-DOWN SYSTEM

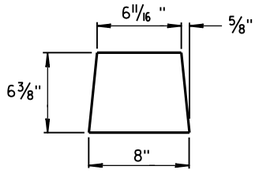
CONCRETE BARRIER
TEMPORARY PRECAST, 12'-6"

STATE OF WISCONSIN
DEPARTMENT OF TRANSPO

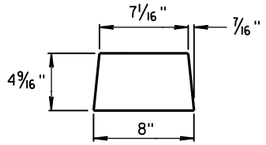
6
S.D.D. 14 B 7-15f



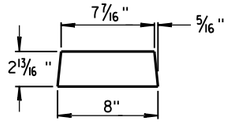
GUSSET 1



GUSSET 2

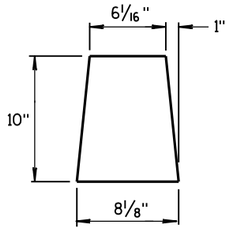


GUSSET 3

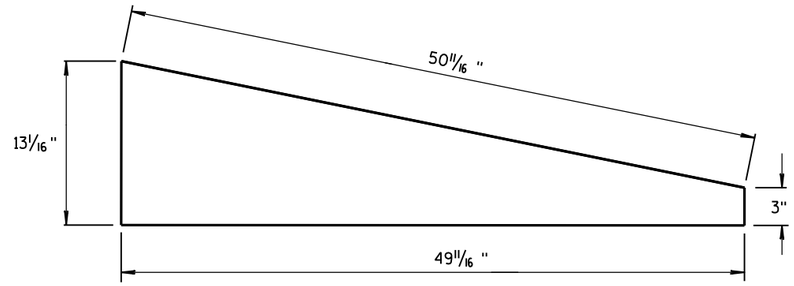


GUSSET 4

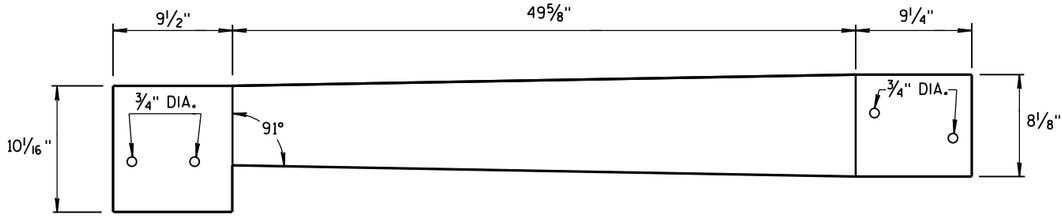
GUSSETS

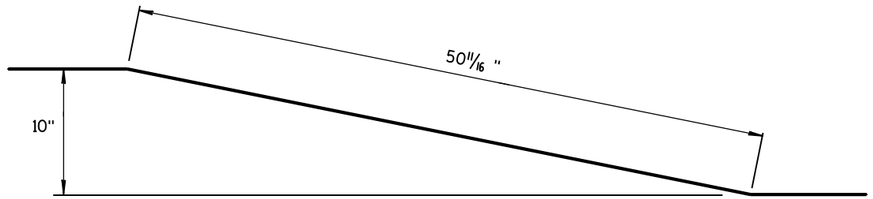


END PLATE



SIDE PLATE

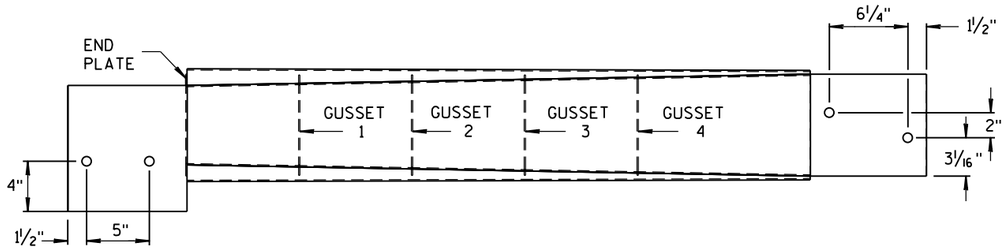


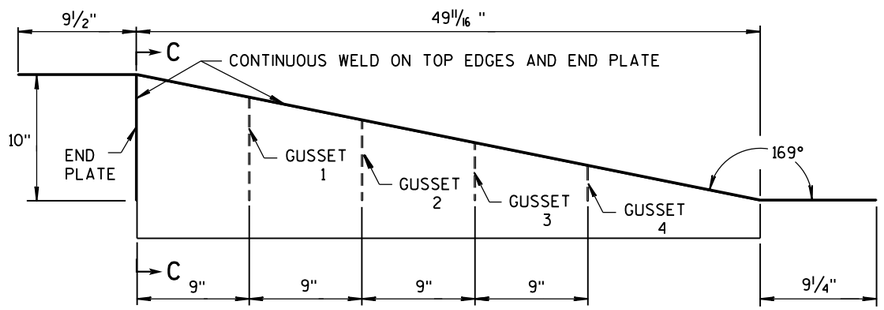


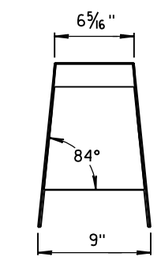
TOP PLATE

SIDE, TOP AND END PLATES FOR CAP FROM TEMPORARY CONCRETE BARRIER TO 42" PERMANENT CONCRETE BARRIER

SIDE PLATES, TOP PLATE, END PLATE AND GUSSETS ARE 12 GAUGE ASTM A36 GALVANIZED STEEL.







SECTION C-C

NOTES

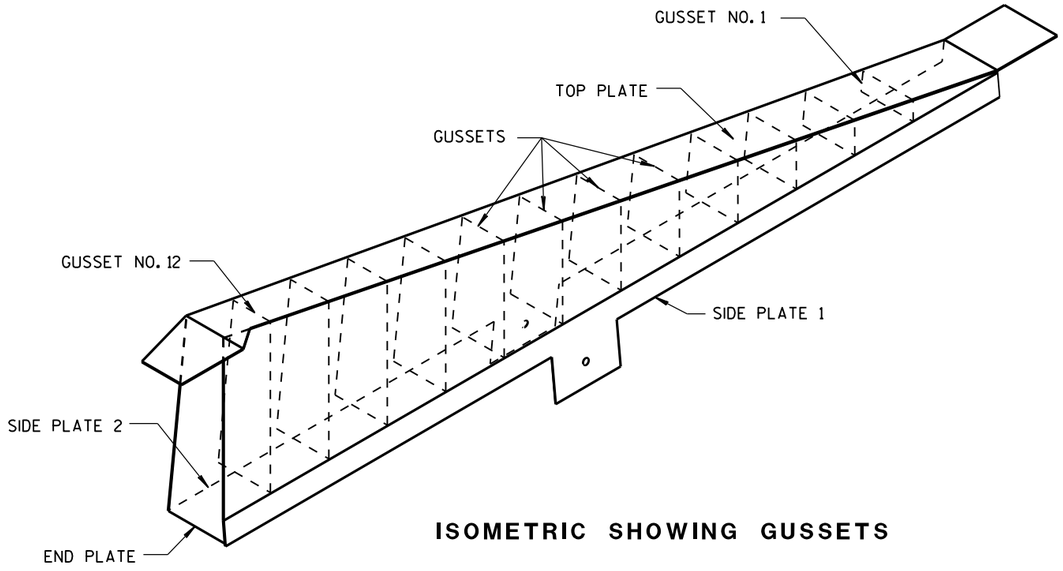
1. FOUR GUSSETS AND END PLATE ARE STITCH WELDED ON THREE SIDES.
2. TWO TRIANGULAR SIDE PLATES ARE STITCH WELDED TO TOP PLATE, END PLATE, AND GUSSETS.

CAP DETAILS FOR TEMPORARY CONCRETE BARRIER TO 42" PERMANENT CONCRETE BARRIER

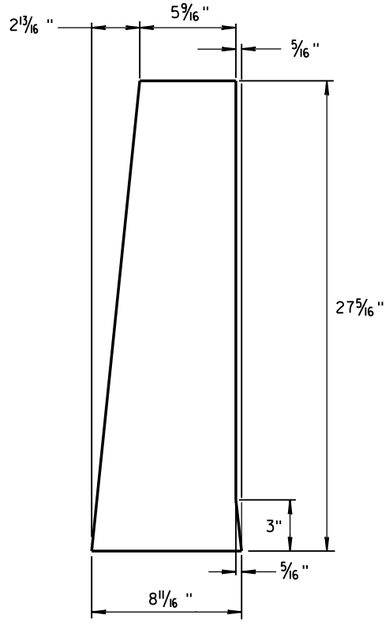
CONCRETE BARRIER
TEMPORARY PRECAST, 12'-6"

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

6
S.D.D. 14 B 7-15g

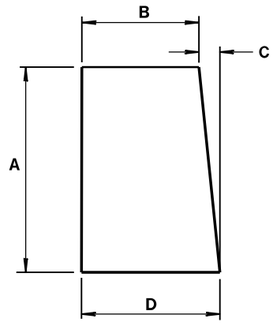


ISOMETRIC SHOWING GUSSETS



END PLATE

1/8" STEEL PLATE



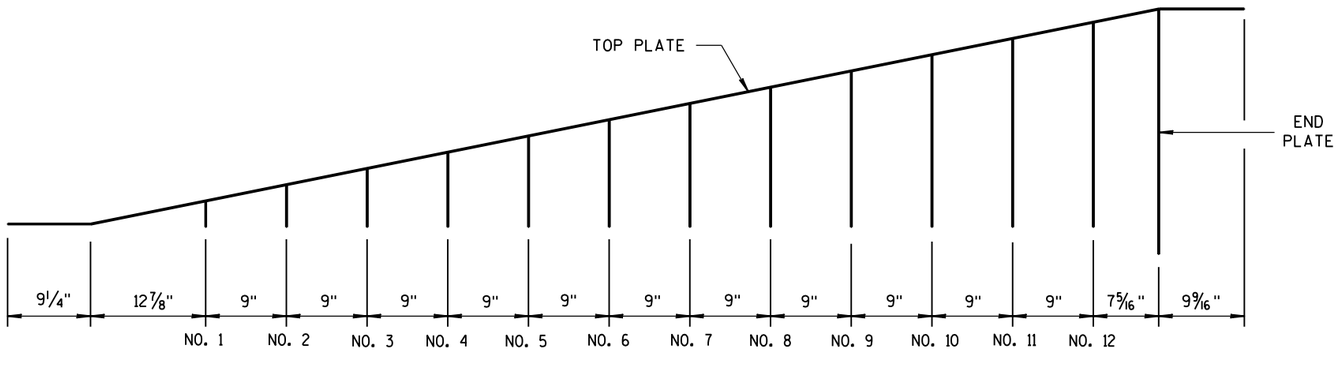
GUSSETS 1 - 12

ALL GUSSETS 1/8" STEEL PLATE

GUSSET DIMENSIONS				
GUSSET NO.	A	B	C	D
1	2 7/8"	7 3/4"	1/4"	8
2	4 11/16 "	7 9/16 "	1/2"	8
3	6 1/2"	7 3/8"	11/16 "	8 1/16 "
4	8 5/16 "	7 3/16 "	7/8"	8 1/16 "
5	10 1/8"	7"	1 1/16 "	8 1/16 "
6	11 15/16 "	6 13/16 "	1 1/4"	8 1/16 "
7	13 3/4"	6 5/8"	1 7/16 "	8 1/16 "
8	15 9/16 "	6 7/16 "	1 9/16 "	8 1/16 "
9	17 3/8"	6 1/4"	1 13/16 "	8 1/16 "
10	19 3/16 "	6 1/16 "	1 15/16 "	8 1/16 "
11	21"	5 7/8"	2 3/16 "	8 1/16 "
12	22 13/16 "	5 11/16 "	2 5/16 "	8 1/16 "

SIDE PLATES, TOP PLATE, END PLATE AND GUSSETS ARE 12 GAUGE ASTM A36 STEEL AND GALVANIZED.

GUSSETS AND END PLATE ARE STITCH WELDED ON 3 SIDES. TWO TRIANGULAR SIDE PLATES ARE STITCH WELDED TO TOP PLATE, END PLATE AND GUSSETS.



GUSSET LOCATION

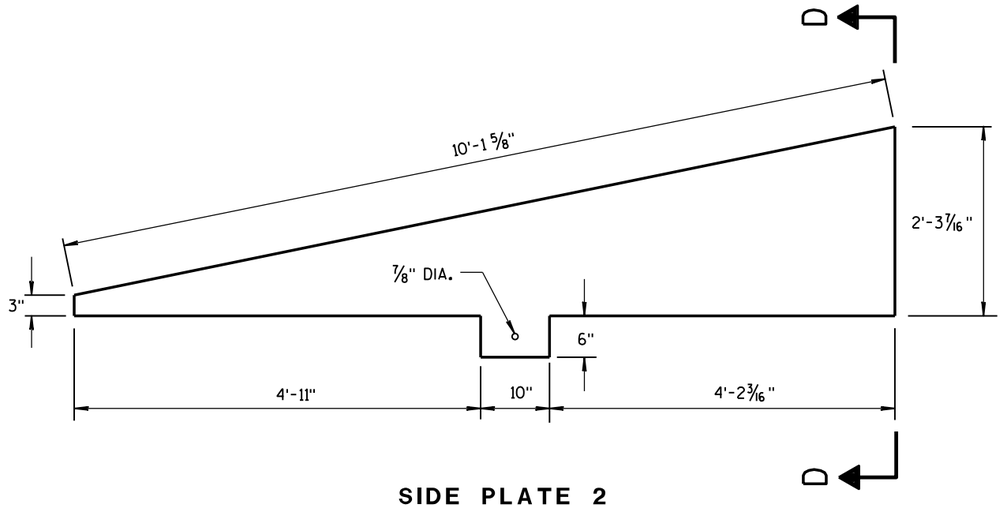
CAP DETAILS FOR TEMPORARY CONCRETE BARRIER TO 56" PERMANENT CONCRETE BARRIER

CONCRETE BARRIER
TEMPORARY PRECAST, 12'-6"

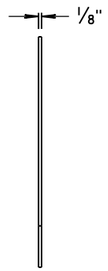
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

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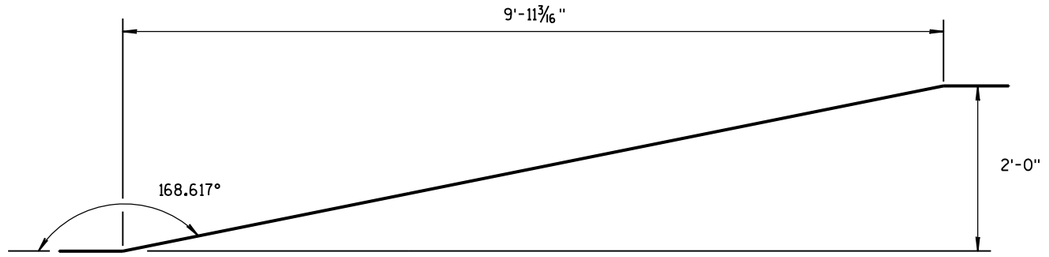
S.D.D. 14 B 7-15h



SIDE PLATE 2

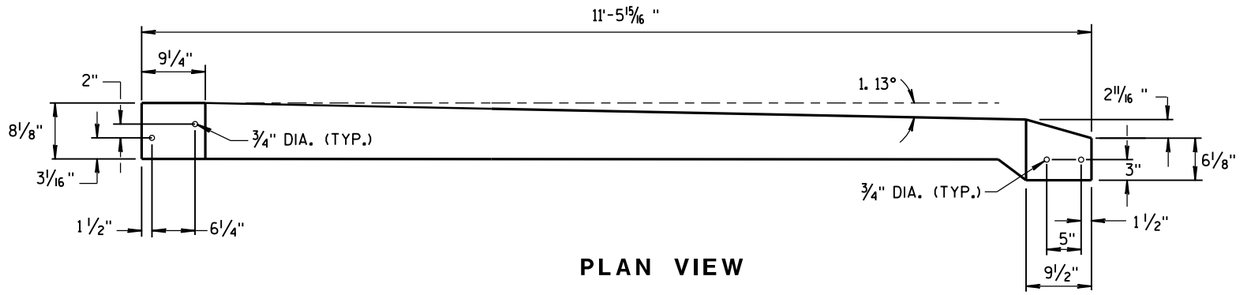


END VIEW



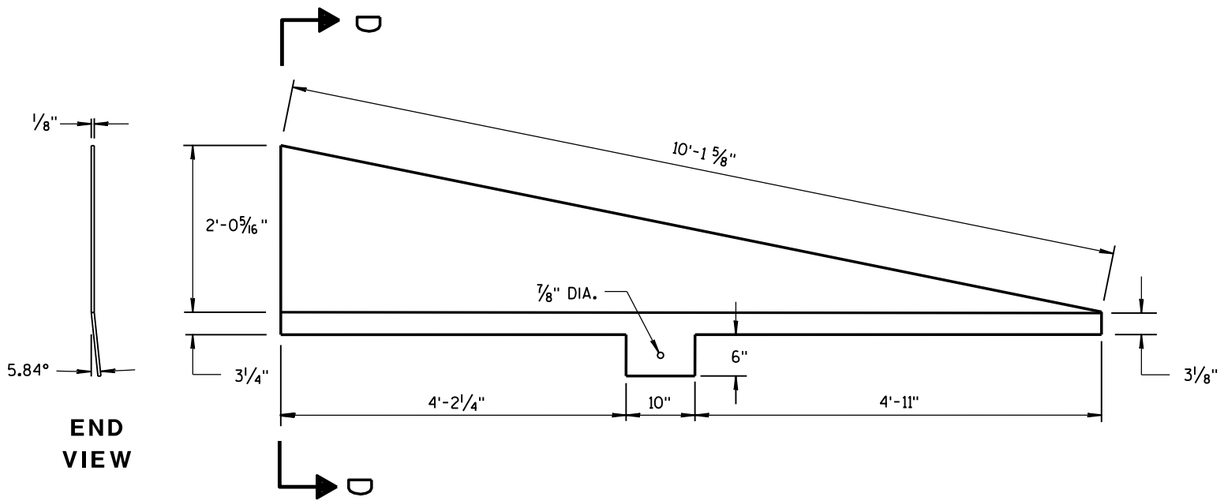
SIDE VIEW

TOP PLATE



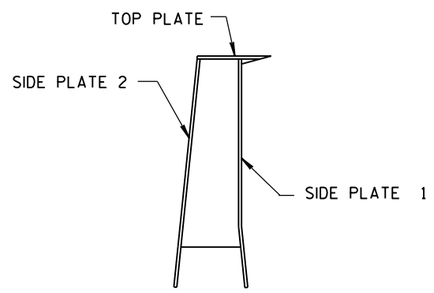
PLAN VIEW

TOP PLATE



END VIEW

SIDE PLATE 1



SECTION D-D

CAP DETAILS FOR TEMPORARY CONCRETE BARRIER TO 56" PERMANENT CONCRETE BARRIER

CONCRETE BARRIER
TEMPORARY PRECAST, 12'-6"

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

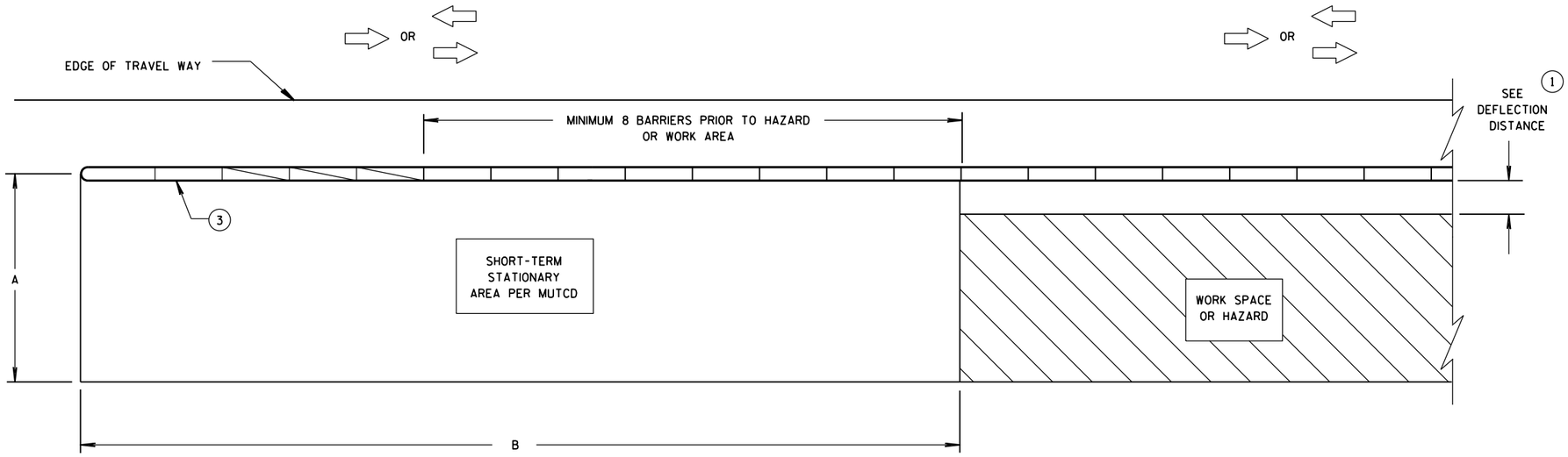
APPROVED
June 2017
DATE
/S/ Rodney Taylor
ROADWAY STANDARDS UNIT SUPERV
297
ENT
FHWA

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S.D.D. 14 B 7-15i

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S.D.D. 14 B 7-15i



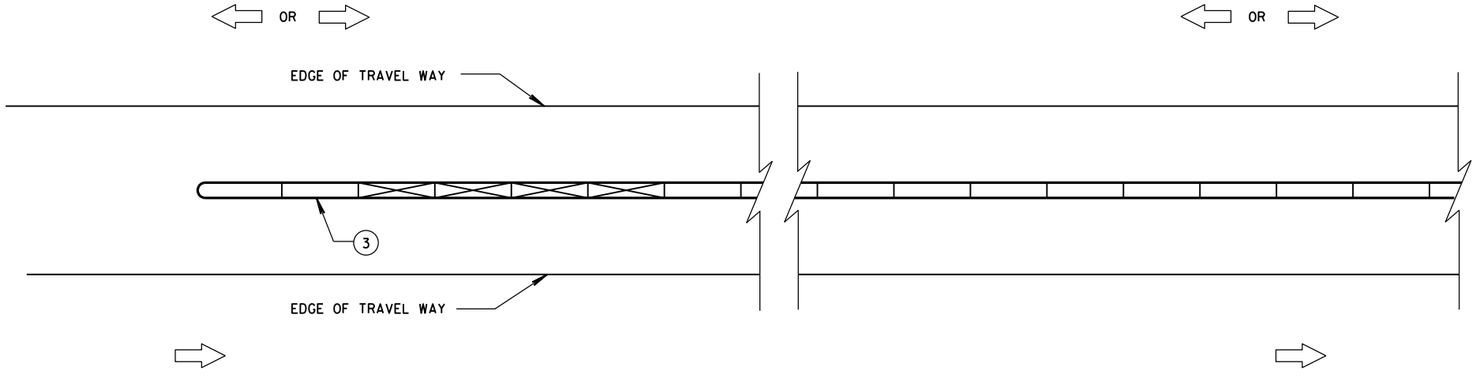
CRASH CUSHION/SAND BARREL ARRAY AND TEMPORARY BARRIER INSTALLATION FOR TRAFFIC ON ONE SIDE OF BARRIER

DIMENSION A TABLE (2)

FACILITY	POSTED SPEED MPH	DIMENSION A	
		MIN. FT	MAX. FT
FREEWAY/EXPRESSWAY	ALL	15	20
NON-FREEWAY/EXPRESSWAY	GREATER THAN OR EQUAL TO 45	10	15
NON-FREEWAY/EXPRESSWAY	LESS THAN 45	8	10
AADT LESS THAN 1,500	ALL	8	10

DIMENSION B TABLE (2)

POSTED SPEEDS MPH	DIMENSION B FT
20	115
25	155
30	200
35	250
40	305
45	360
50	425
55	495
60	570
65	645



CRASH CUSHION/SAND BARREL ARRAY AND TEMPORARY BARRIER INSTALLATION FOR TRAFFIC ON BOTH SIDES OF BARRIER

LEGEND

- DIRECTION OF TRAVEL
- CRASH CUSHION OR SAND BARREL ARRAY
- SEE FREE STANDING TRANSITION TO TIED-DOWN SYSTEM DETAILS
- SEE BI-DIRECTIONAL TRANSITION TO TIED-DOWN SYSTEM DETAILS
- 3 PINS PLACED ON TRAFFIC SIDE OF BARRIER
- PERMANENT CONCRETE BARRIER OR CONCRETE PARAPET
- FREE STANDING TEMPORARY BARRIER

GENERAL NOTES

SEE STANDARD DETAIL DRAWING 14B7 FOR MORE INFORMATION.

DETAILS PROVIDE A GENERAL LAYOUT OF TEMPORARY CONCRETE BARRIER, CRASH CUSHIONS, SAND BARREL ARRAYS AND TIE DOWN TRANSITIONS. DETAILS PROVIDED MAY NOT FIT ALL POSSIBLE SITUATIONS OR SITE CONDITIONS. SEE OTHER SECTIONS OF THE CONTRACT OR PROJECT ENGINEER FOR MORE DETAILS.

ADDITIONAL TEMPORARY BARRIER MAY BE REQUIRED TO PROTECT TRAVELING PUBLIC FROM HAZARDS, CONTRACTOR'S OPERATIONS OR TO CONTROL TRAFFIC.

TEMPORARY BARRIER MAY BE REQUIRED TO BE ANCHORED TO PAVEMENT OR BRIDGE DECK.

FOR DETAILS ON CRASH CUSHION OR SAND BARREL ARRAYS SEE OTHER SECTIONS OF THE PLAN AND MANUFACTURE'S DETAILS.

SLOPES LEADING TO TEMPORARY BARRIER, CRASH CUSHION OR SAND BARREL ARRAY ARE 10:1 OR LESS.

(1) FOR DEFLECTION INFORMATION SEE STANDARD DETAIL DRAWING 14B7.

(2) VALUES PROVIDED MAY NOT FIT ALL POSSIBLE SITUATIONS OR SITE CONDITIONS. SEE OTHER SECTIONS OF THE CONTRACT OR PROJECT ENGINEER FOR MORE DETAILS.

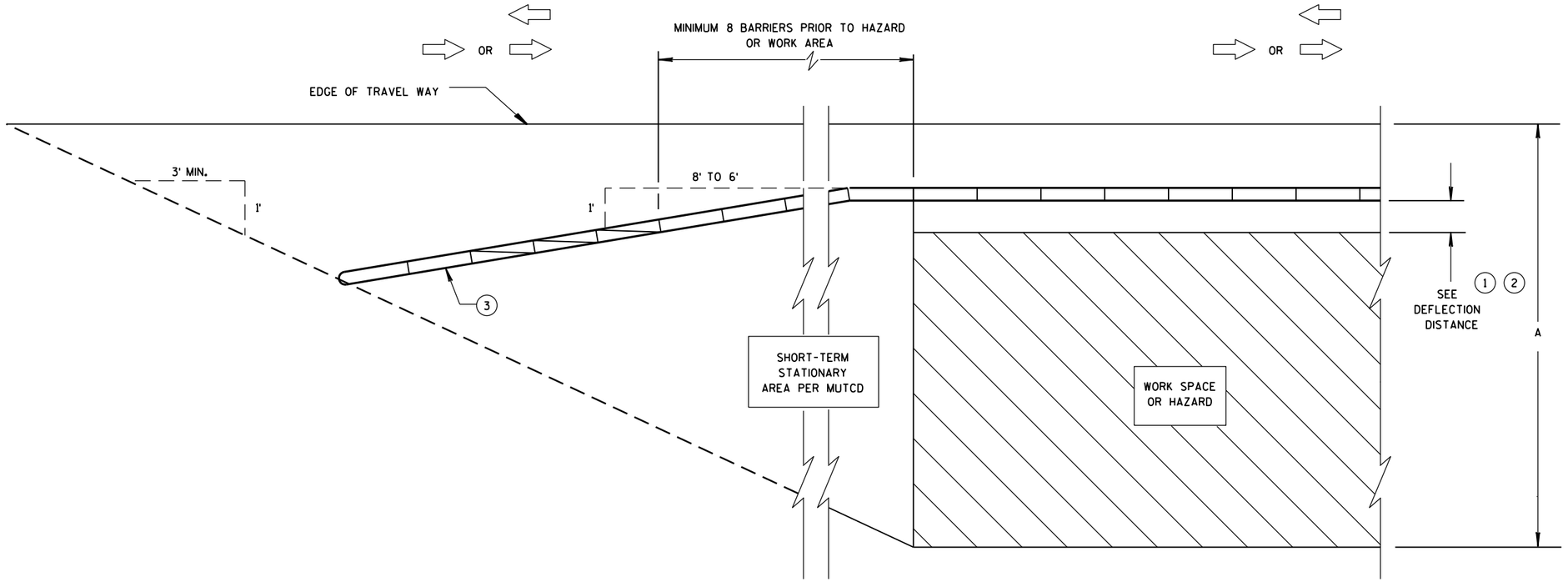
(3) ANCHOR TEMPORARY BARRIER ACCORDING TO CRASH CUSHION OR SAND BARREL MANUFACTURER'S RECOMMENDATIONS. IF MANUFACTURER'S RECOMMENDATIONS ARE NOT PROVIDED, ANCHOR 3 PINS ON TRAFFIC SIDE.

CRASH CUSHION/SAND BARREL ARRAY AND OTHER TEMPORARY BARRIER LAYOUT DETAILS

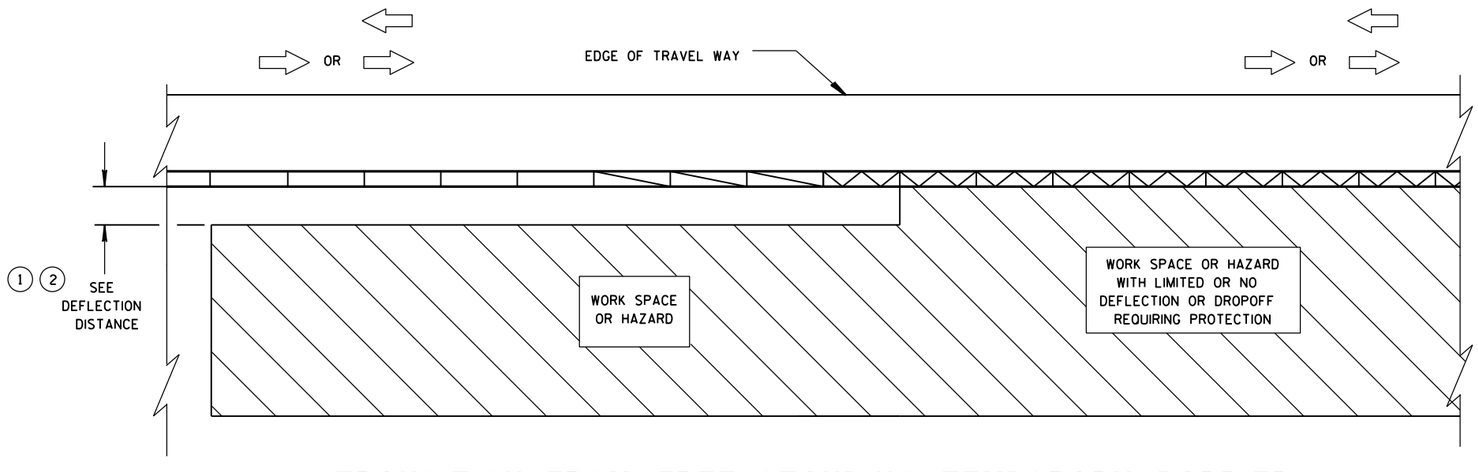
STATE OF WISCONSIN
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S.D.D. 14 B 8-2a



CRASH CUSHION/SAND BARREL ARRAY AND TEMPORARY BARRIER INSTALLATION FOR TRAFFIC ON ONE SIDE - FLARED INSTALLATION



TRANSITION FROM FREE STANDING TEMPORARY BARRIER TO ANCHORED BARRIER

LEGEND

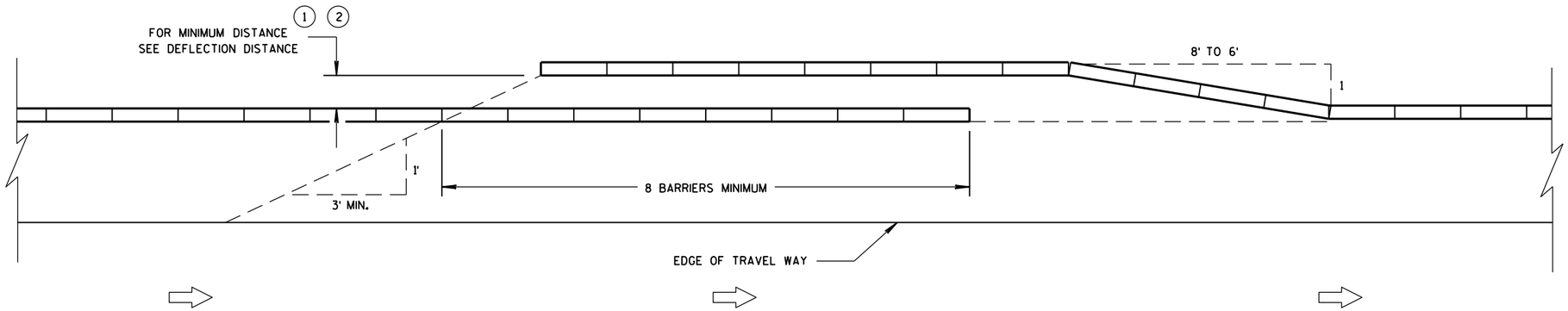
- DIRECTION OF TRAVEL
- CRASH CUSHION OR SAND BARREL ARRAY
- SEE FREE STANDING TRANSITION TO TIED-DOWN SYSTEM DETAILS
- SEE BI-DIRECTIONAL TRANSITION TO TIED-DOWN SYSTEM DETAILS
- 3 PINS PLACED ON TRAFFIC SIDE OF BARRIER
- PERMANENT CONCRETE BARRIER OR CONCRETE PARAPET
- FREE STANDING TEMPORARY BARRIER

CRASH CUSHION/SAND BARREL ARRAY AND OTHER TEMPORARY BARRIER LAYOUT DETAILS

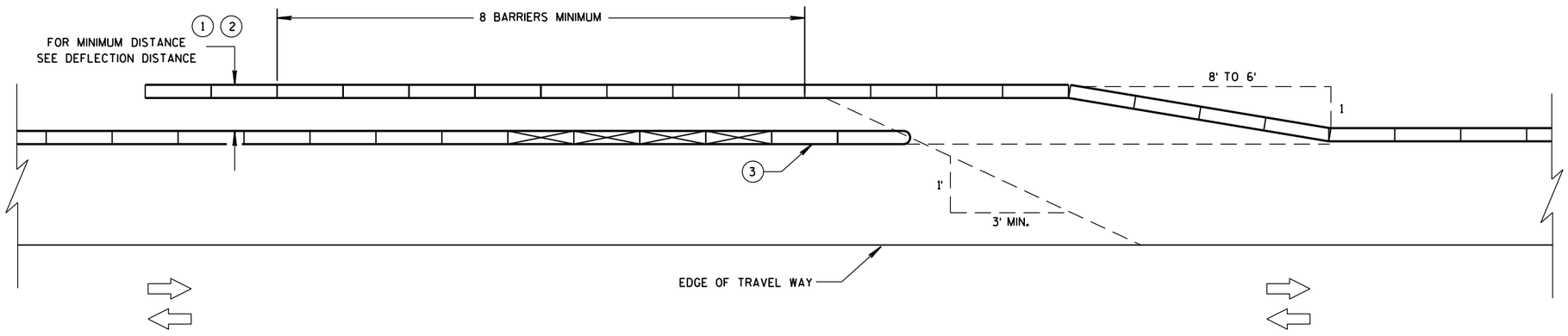
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

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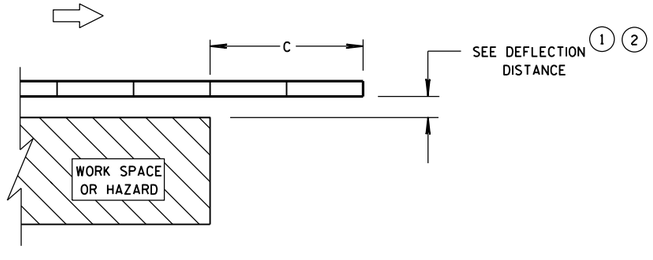
S.D.D. 14 B 8-2b



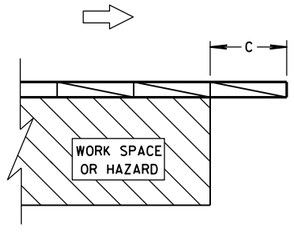
TEMPORARY BARRIER OVERLAP - ONE-WAY TRAFFIC



TEMPORARY BARRIER OVERLAP - TWO-WAY TRAFFIC



ENDING TEMPORARY BARRIER DOWNSTREAM - UNANCHORED



ENDING TEMPORARY BARRIER DOWNSTREAM - ANCHORED

LEGEND

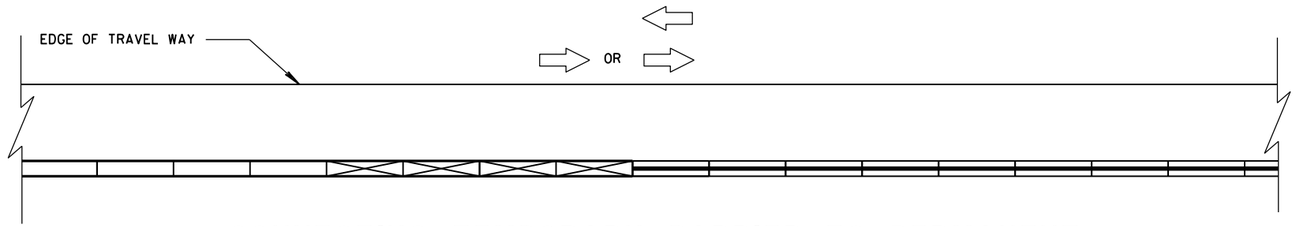
- DIRECTION OF TRAVEL
- CRASH CUSHION OR SAND BARREL ARRAY
- SEE FREE STANDING TRANSITION TO TIED-DOWN SYSTEM DETAILS
- SEE BI-DIRECTIONAL TRANSITION TO TIED-DOWN SYSTEM DETAILS
- 3 PINS PLACED ON TRAFFIC SIDE OF BARRIER
- PERMANENT CONCRETE BARRIER OR CONCRETE PARAPET
- FREE STANDING TEMPORARY BARRIER

CRASH CUSHION/SAND BARREL ARRAY AND OTHER TEMPORARY BARRIER LAYOUT DETAILS

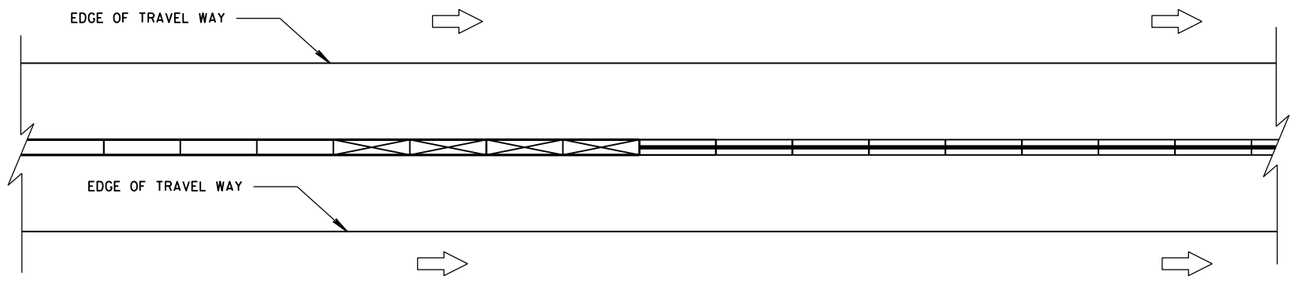
STATE OF WISCONSIN
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S.D.D. 14 B 8-2c



CONNECTING TEMPORARY BARRIER TO PERMANENT
CONCRETE BARRIER-TRAFFIC ON ONE SIDE



CONNECTING TEMPORARY BARRIER TO PERMANENT
CONCRETE BARRIER-TRAFFIC ON BOTH SIDES

LEGEND

DIRECTION OF TRAVEL

CRASH CUSHION OR
SAND BARREL ARRAY

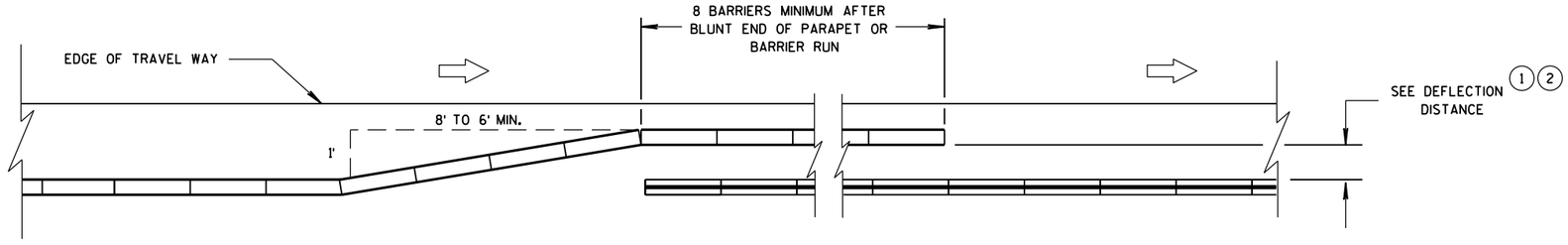
SEE FREE STANDING TRANSITION
TO TIED-DOWN SYSTEM DETAILS

SEE BI-DIRECTIONAL TRANSITION
TO TIED-DOWN SYSTEM DETAILS

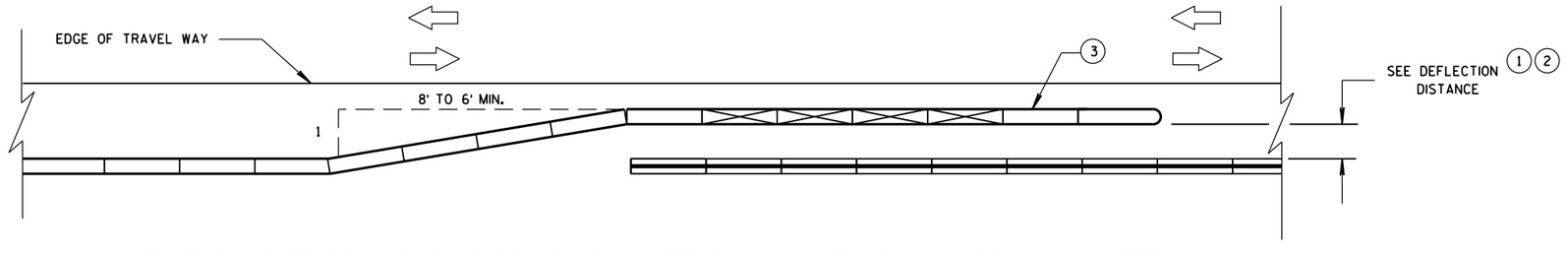
3 PINS PLACED ON
TRAFFIC SIDE OF BARRIER

PERMANENT CONCRETE BARRIER
OR CONCRETE PARAPET

FREE STANDING TEMPORARY
BARRIER



OVERLAPPING TEMPORARY BARRIER AND PERMANENT BARRIER -
ONE WAY TRAFFIC



OVERLAPPING TEMPORARY BARRIER AND PERMANENT BARRIER -
TWO WAY TRAFFIC

CRASH CUSHION/SAND BARREL
ARRAY AND OTHER TEMPORARY
BARRIER LAYOUT DETAILS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

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S.D.D. 14 B 8-2d

LEGEND

DIRECTION OF TRAVEL

CRASH CUSHION OR SAND BARREL ARRAY

SEE FREE STANDING TRANSITION TO TIED-DOWN SYSTEM DETAILS

SEE BI-DIRECTIONAL TRANSITION TO TIED-DOWN SYSTEM DETAILS

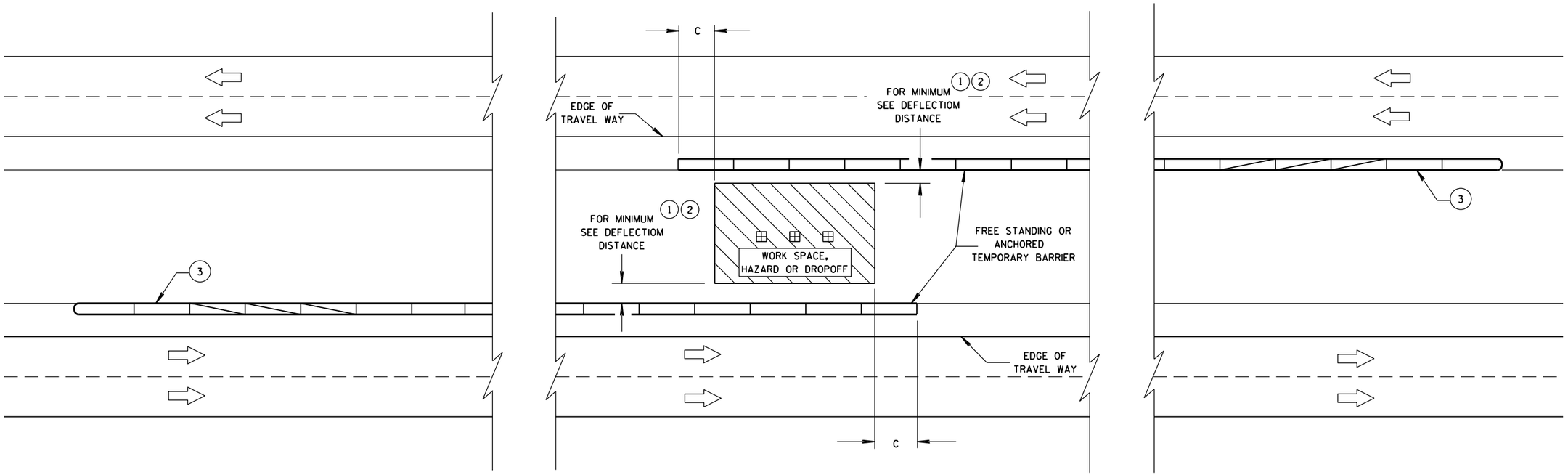
3 PINS PLACED ON TRAFFIC SIDE OF BARRIER

PERMANENT CONCRETE BARRIER OR CONCRETE PARAPET

FREE STANDING TEMPORARY BARRIER

DIMENSION C TABLE (2)

AVAILABLE DEFLECTION DISTANCE	MINIMUM LENGTH OF BARRIER BEYOND HAZARD FT
GREATER THAN 8'	12.5
LESS THAN OR EQUAL TO 8' BUT GREATER THAN 4'	50
LESS THAN OR EQUAL TO 4'	100



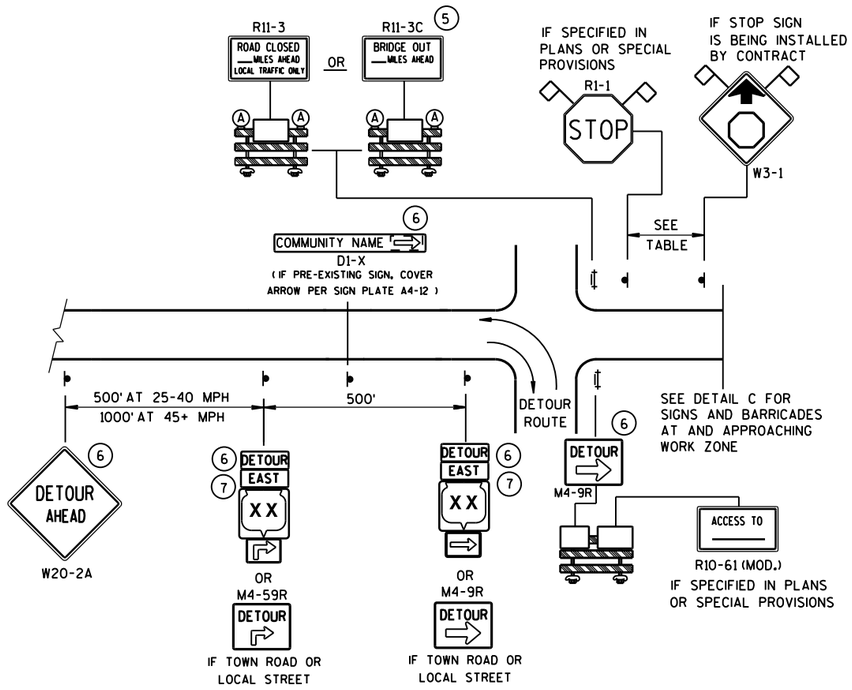
CRASH CUSHION/SAND BARREL ARRAY AND OTHER TEMPORARY BARRIER LAYOUT DETAILS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June, 2015 — DATE
/S/ Jerry H. Zogg — ROADWAY STANDARDS ENGINNER
FHWA

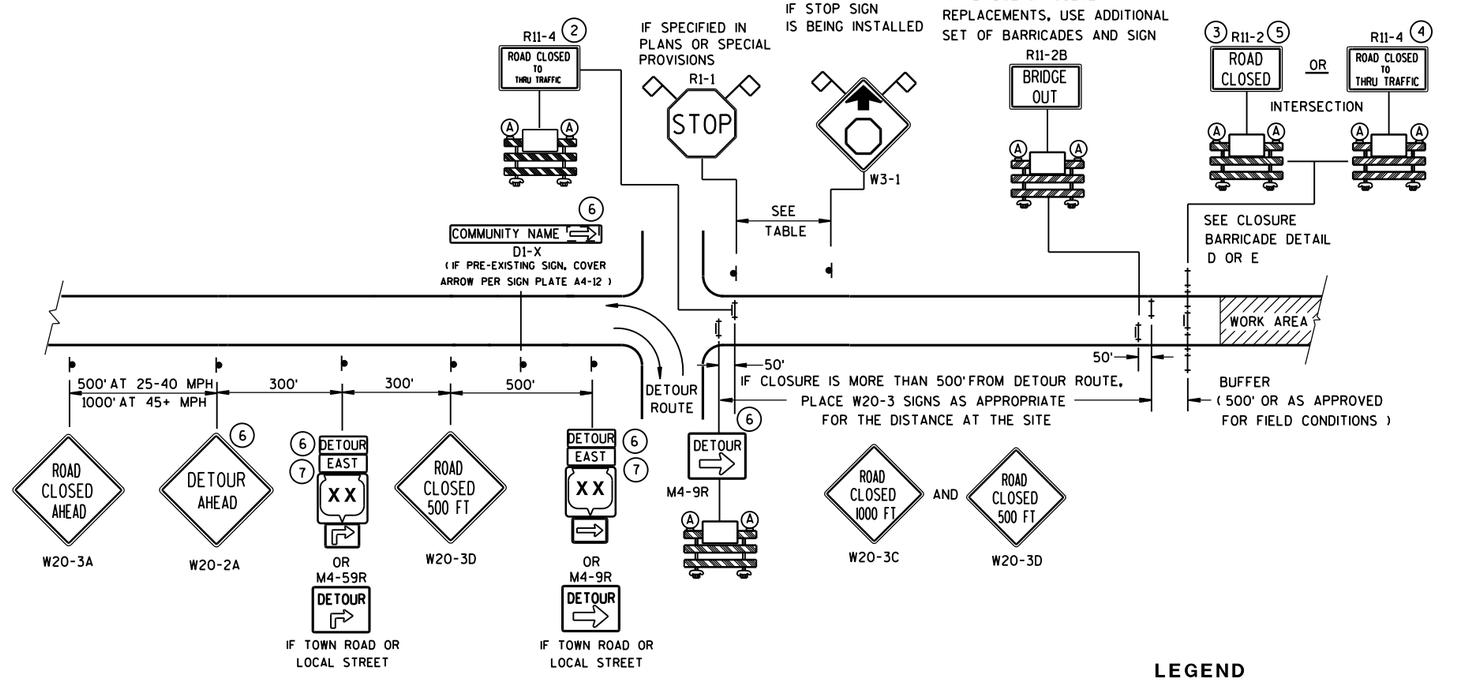
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S.D.D. 14 B 8-2e



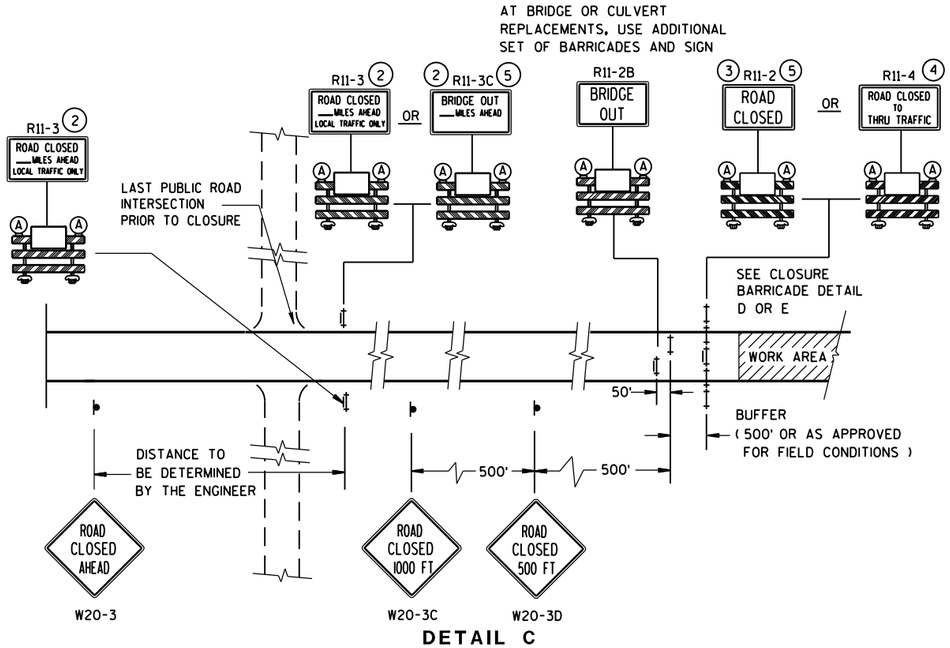
DETAIL A
MAINLINE CLOSURE WITH POSTED DETOUR

WORK ZONE GREATER THAN ½ MILE FROM DETOUR ROUTE (1000 FEET IF URBAN)



DETAIL B
MAINLINE CLOSURE WITH POSTED DETOUR

WORK ZONE LESS THAN ½ MILE FROM DETOUR ROUTE (1000 FEET IF URBAN)



DETAIL C
MAINLINE CLOSURE, NO POSTED DETOUR

SPEED LIMIT (MPH)	"STOP AHEAD" ADVANCE WARNING DISTANCE (FT)
25	200
30	200
35	350
40	350
45	500
50	550
55	750

LEGEND

- SIGN ON PERMANENT SUPPORT
- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- (A) TYPE "A" WARNING LIGHT (FLASHING)
- WORK AREA
- DETOUR / EAST — M4-8 / M3-X
- XX — M1-4; COUNTY XX — M1-5A; XX — M1-6
- M05-1 OR M06-1
- FLAGS, 16" X 16" MIN., (ORANGE)

SEE SDD 15C2-SHEET "**b**" FOR GENERAL NOTES AND FOOTNOTES (1) THROUGH (7)

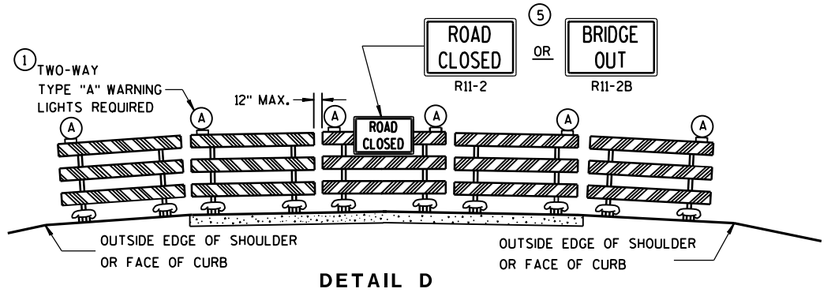
BARRICADES AND SIGNS FOR MAINLINE CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

Sept. 2015 — DATE
/S/ Peter Amakobe Atepe
STATEWIDE WORK ZONE TRAFFIC SAFETY ENGINEER
FHWA

S.D.D. 15 C 2-6a

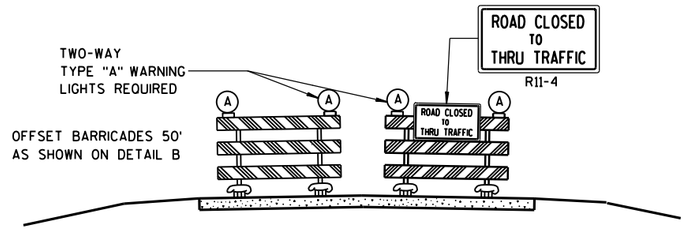
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DETAIL D

ROAD CLOSURE BARRICADE DETAIL

APPROACH VIEW



DETAIL E

LANE CLOSURE BARRICADE DETAIL

APPROACH VIEW

SEE SDD 15C2-SHEET "**a**" FOR LEGEND

GENERAL NOTES

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

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

THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND SHOULD PROVIDE A DESIRABLE MINIMUM OF 200 FEET CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

BARRICADES THAT MUST BE MOVED FOR A WORK OPERATION SHALL BE IMMEDIATELY RE-ESTABLISHED UPON COMPLETION OF THE OPERATION OR, FOR CONTINUING OPERATIONS, AT THE END OF EACH WORKING DAY.

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

ALL TYPE III BARRICADES SHALL HAVE RAILS REFLECTORIZED ON BOTH FACES. STRIPES SHALL BE PROPERLY SLOPED DOWN TOWARD THE TRAFFIC SIDE OR AS SHOWN IN THE ROAD CLOSURE BARRICADE DETAIL D FOR FULL ROAD CLOSURES.

TYPE "A" LOW-INTENSITY FLASHING WARNING LIGHTS SHALL BE VISIBLE ON BOTH SIDES OF THE BARRICADE.

THE R11-2, R11-3, M4-9, R11-4 AND R10-61 SIGNS PLACED ON BARRICADES SHALL COVER NO MORE THAN THE TOP RAIL. THE SIGNS SHALL NOT COVER ANY PORTION OF THE MIDDLE OR BOTTOM RAILS.

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

ALL SIGNS SHALL BE 48" X 48" UNLESS OTHERWISE NOTED BELOW:
- R11-2 SHALL BE 48" X 30".
- R11-3, R11-4 AND R10-61 SHALL BE 60" X 30".
- M4-9 SHALL BE 30" X 24".
- M3-X SHALL BE 24" X 12". (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS.)
- M4-8 SHALL BE 24" X 12". (30" X 15" IF NEEDED TO MATCH EXISTING SIGNS.)
- M1-4, M1-5A, AND M1-6 SHALL BE 24" X 24". (36" X 36" IF NEEDED TO MATCH EXISTING SIGNS.)
- M05-1 AND M06-1 SHALL BE 21" X 21". (30" X 30" IF NEEDED TO MATCH EXISTING SIGNS.)
- D1-X SHALL BE AS SHOWN ON SPECIFIC PROJECT SIGNING DETAIL SHEETS.
- R1-1 SHALL BE 36" X 36".

(1) TWO WARNING LIGHTS SHALL BE PROVIDED ON THE CENTER BARRICADE AND A MINIMUM OF ONE WARNING LIGHT SHALL BE PROVIDED ON EACH OF THE OTHER BARRICADES WITHIN THE ROADWAY LIMITS. SPACING OF THE WARNING LIGHTS SHALL BE UNIFORM TO THE EDGE OF ROADWAY AS SHOWN (APPROX. 8-FOOT LIGHT SPACING).

(2) THESE SIGNS AND BARRICADES ARE NOT REQUIRED IF ROAD CLOSURE BEGINS AT INTERSECTION.

(3) FOR ROAD CLOSURE WITHOUT LOCAL ACCESS TO PROJECT, SEE ROAD CLOSURE BARRICADE DETAIL D.

(4) FOR ROAD CLOSURE WITH LOCAL ACCESS TO PROJECT, SEE LANE CLOSURE BARRICADE DETAIL E.

(5) FOR BRIDGE OR CULVERT REPLACEMENTS, SUBSTITUTE "BRIDGE OUT" INSTEAD OF "ROAD CLOSED" ON R11-2 AND R11-3 SIGNS.

(6) INSTALL DETOUR AND COMMUNITY GUIDE SIGNS AND ARROWS ONLY IF SPECIFIED IN THE CONTRACT. IF THERE ARE EXISTING ROUTE MARKER ASSEMBLIES THAT WILL REMAIN IN PLACE, ADJUST THE LOCATION OF THE DETOUR ROUTE SIGNS TO CORRESPOND WITH THE EXISTING ASSEMBLIES. MODIFY EXISTING SIGNS WHERE POSSIBLE. SEE SPECIFIC PROJECT DETOUR SIGNING DETAIL SHEETS. IF DETOUR SIGNS ARE BEING INSTALLED BY OTHERS, PLACE THE CONTRACTED TRAFFIC CONTROL SIGNS TO ALLOW FOR PLACEMENT OF ALL WARNING, DETOUR AND GUIDE SIGNS AS SHOWN.

(7) "EAST" CARDINAL DIRECTION MARKERS AND RIGHT TURN ARROWS ARE SHOWN. USE OTHER CARDINAL DIRECTIONS AND ARROWS AS APPROPRIATE.

BARRICADES AND SIGNS FOR MAINLINE CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

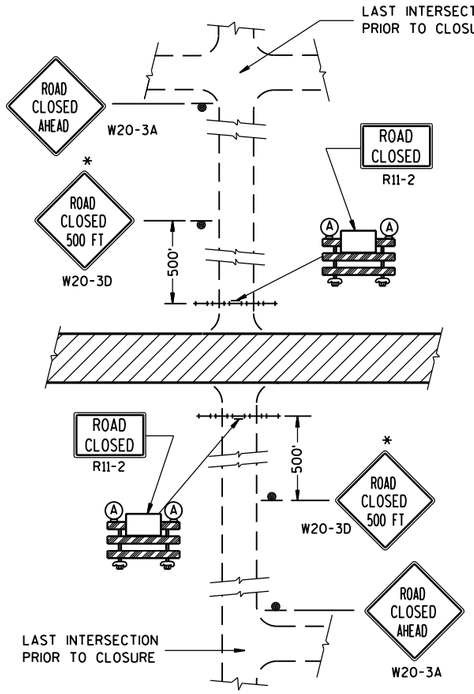
Sept. 2015 — DATE

/S/ Peter Amakobe Atepe
STATEWIDE WORK ZO SAFETY ENGI — FIC

FHWA

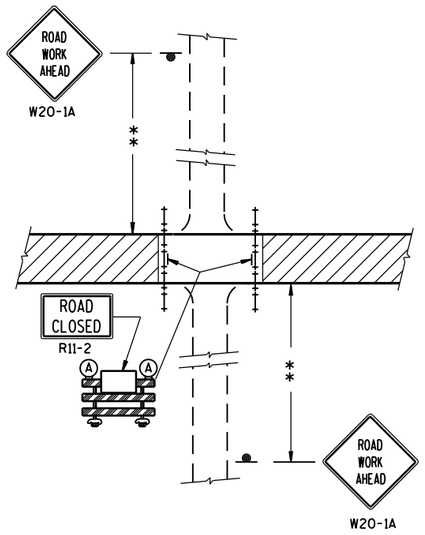
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S.D.D. 15 C 2-6b



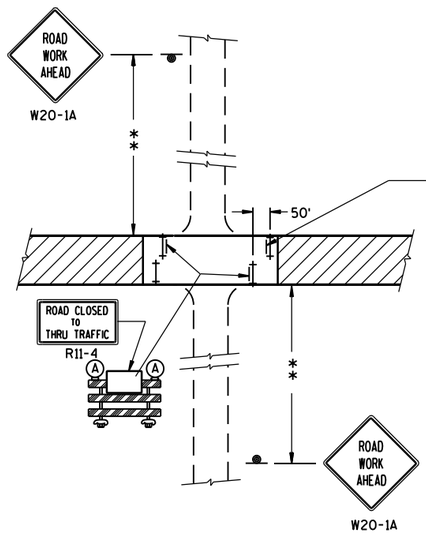
DETAIL 1

(NO ACCESS TO PROJECT)



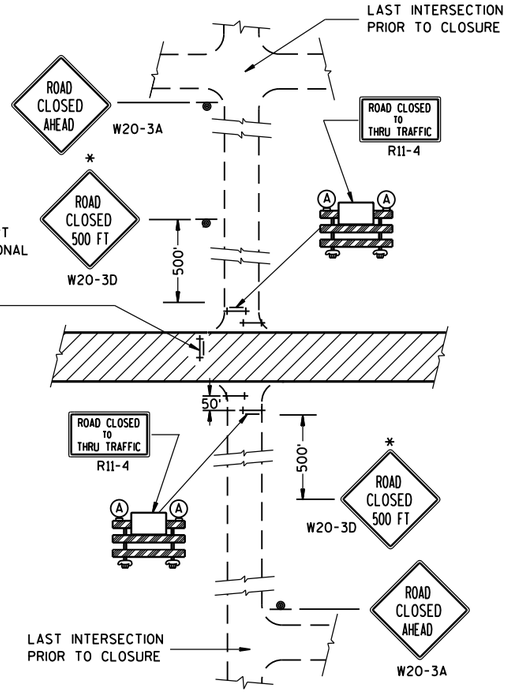
DETAIL 2

(PUBLIC CROSS-TRAFFIC MAINTAINED. NO ACCESS TO PROJECT).



DETAIL 3

(PUBLIC CROSS-TRAFFIC MAINTAINED. CONTRACTOR, LOCAL BUSINESS AND RESIDENT ACCESS).



DETAIL 4

(CONTRACTOR, LOCAL BUSINESS AND RESIDENT ACCESS TO PROJECT)

GENERAL NOTES

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

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

THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND SHOULD PROVIDE A DESIRABLE MINIMUM OF 200 FEET CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

IF A "STOP" SIGN MUST BE REMOVED FOR A WORK OPERATION, A TEMPORARY "STOP" SIGN SHALL BE PLACED PRIOR TO THE SIGN REMOVAL, OR A FLAGGER SHALL BE PROVIDED UNTIL THE SIGN IS RE-ESTABLISHED.

BARRICADES THAT MUST BE MOVED FOR A WORK OPERATION SHALL BE IMMEDIATELY RE-ESTABLISHED UPON COMPLETION OF THE OPERATION OR, FOR CONTINUING OPERATIONS, AT THE END OF EACH WORKING DAY.

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

ALL TYPE III BARRICADES SHALL HAVE RAILS REFLECTORIZED ON BOTH FACES. STRIPES SHALL BE PROPERLY SLOPED DOWN TOWARD THE TRAFFIC SIDE OR AS SHOWN IN THE ROAD CLOSURE BARRICADE DETAIL D FOR FULL ROAD CLOSURES.

TYPE "A" LOW-INTENSITY FLASHING WARNING LIGHTS SHALL BE VISIBLE ON BOTH SIDES OF THE BARRICADE.

THE R11-2, R11-3 AND R11-4 SIGNS PLACED ON BARRICADES SHALL COVER NO MORE THAN THE TOP RAIL. THE SIGNS SHALL NOT COVER ANY PORTION OF THE MIDDLE OR BOTTOM RAILS.

ALL SIGNS SHALL BE 48" X 48" UNLESS OTHERWISE NOTED BELOW:
R11-2 SHALL BE 48" X 30".
R11-4 AND R11-3 SHALL BE 60" X 30".

*OMIT THE "ROAD CLOSED 500 FT." SIGN IF THE LAST INTERSECTION IS 500 FT. OR LESS FROM THE WORK ZONE.

**500' MAX. OR AT LAST INTERSECTION WHICHEVER IS CLOSER.

LEGEND

- SIGN ON PERMANENT SUPPORT
- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- (A) TYPE "A" WARNING LIGHT (FLASHING)
- WORK AREA

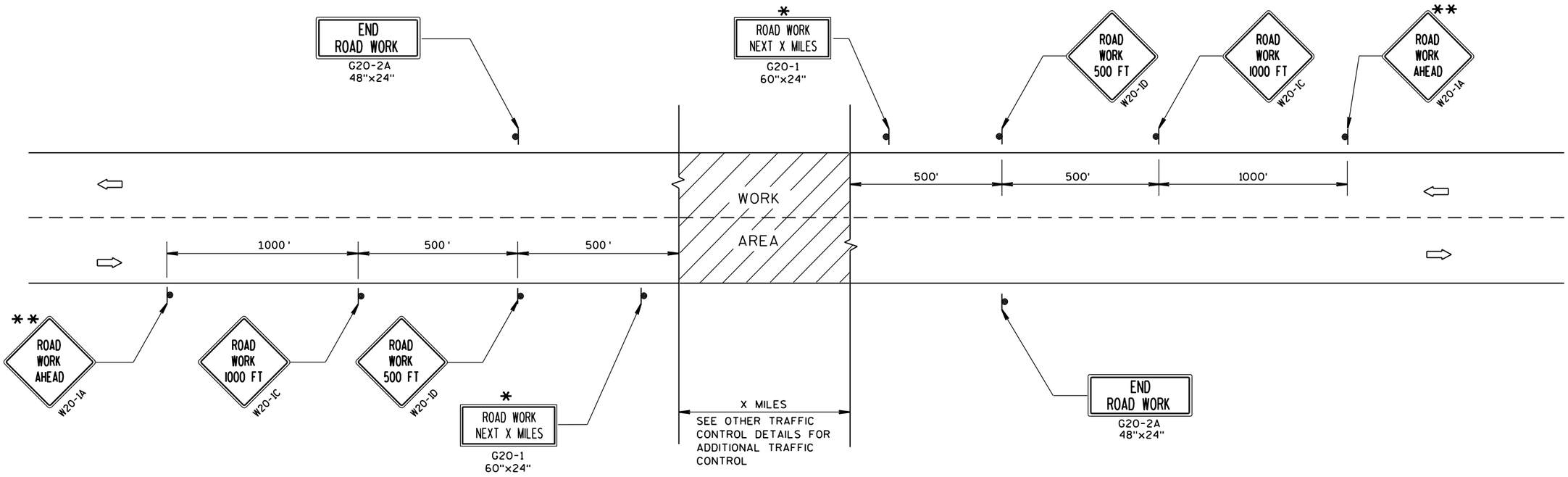
BARRICADES AND SIGNS FOR SIDEROAD CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept. 2015 — DATE
/S/ Peter Amakobe Atepe
STATEWIDE WORK ZO... SAFETY ENGI... — FHWA

S.D.D. 15 C 3-3

6



TYPICAL SIDEROAD APPROACH WARNING SIGN DETAIL

GENERAL NOTES

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

THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND SHOULD PROVIDE A MINIMUM OF 200 FEET (500 FEET DESIRABLE) CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

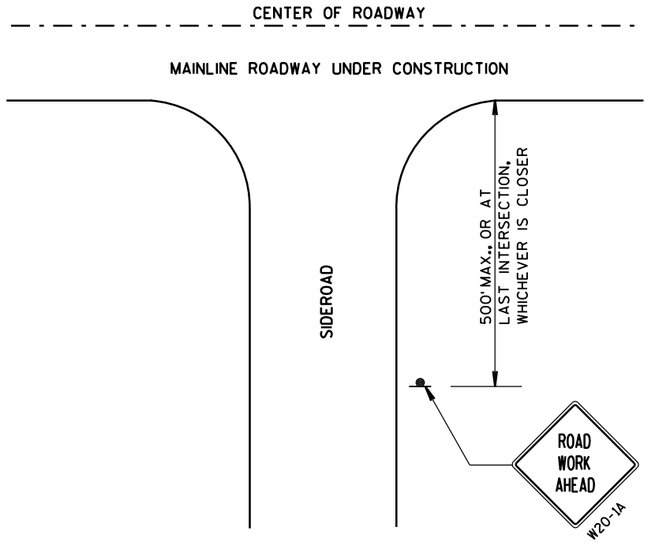
ALL SIGNS ARE 48"x48" UNLESS OTHERWISE NOTED.

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

IF A "STOP" SIGN MUST BE REMOVED FOR A WORK OPERATION, A TEMPORARY "STOP" SIGN SHALL BE PLACED PRIOR TO THE SIGN REMOVAL, OR A FLAGGER SHALL BE PROVIDED UNTIL THE SIGN IS RE-ESTABLISHED.

* OMIT G20-1 SIGNS IF LENGTH OF WORK AREA IS 2 MILES OR LESS.

** PLACE ADDITIONAL W20-1A "ROAD WORK AHEAD" SIGN IF WORK AREA WITHIN THE PROJECT IS SEPARATED BY MORE THAN 2 MILES FROM PREVIOUS WORK AREA.



LEGEND

- SIGN ON PERMANENT SUPPORT
- DIRECTION OF TRAFFIC
- WORK AREA

TRAFFIC CONTROL, ADVANCE WARNING SIGNS 45 M.P.H. OR GREATER TWO-WAY UNDIVIDED ROAD OPEN TO TRAFFIC

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

Sept. 2015 — DATE

/S/ Peter Amakobe Atepe — STATEWIDE WORK ZONE SAFETY ENGINEER

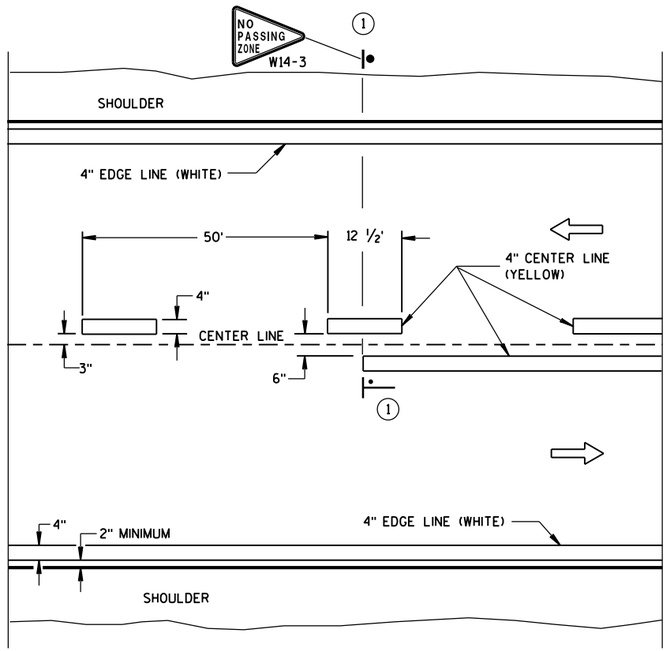
FHWA

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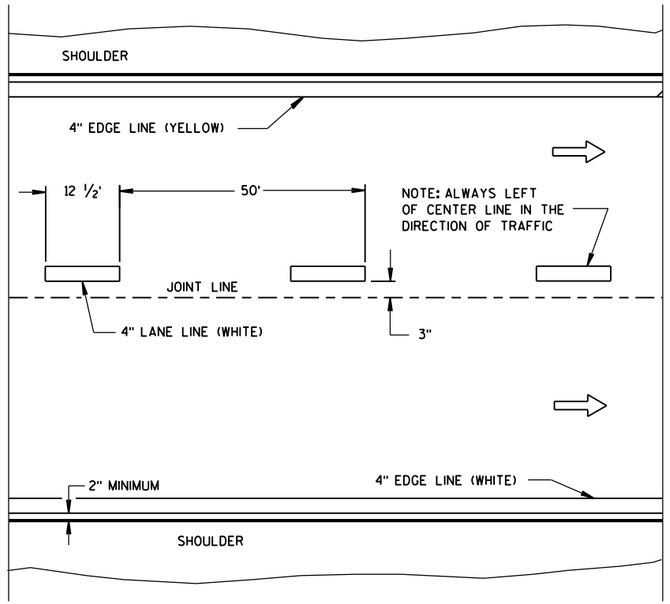
S.D.D. 15 C 4-3

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S.D.D. 15 C 4-3



TWO WAY TRAFFIC



ONE WAY TRAFFIC

PERMANENT PAVEMENT MARKING

GENERAL NOTES

DETAILS OF CONSTRUCTION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO STANDARD SPECIFICATIONS AND SPECIAL PROVISIONS.

(1) LOCATE THE NO PASSING ZONE W14-3 SIGN WITHIN 50 FEET OF THE "T" MARKING.

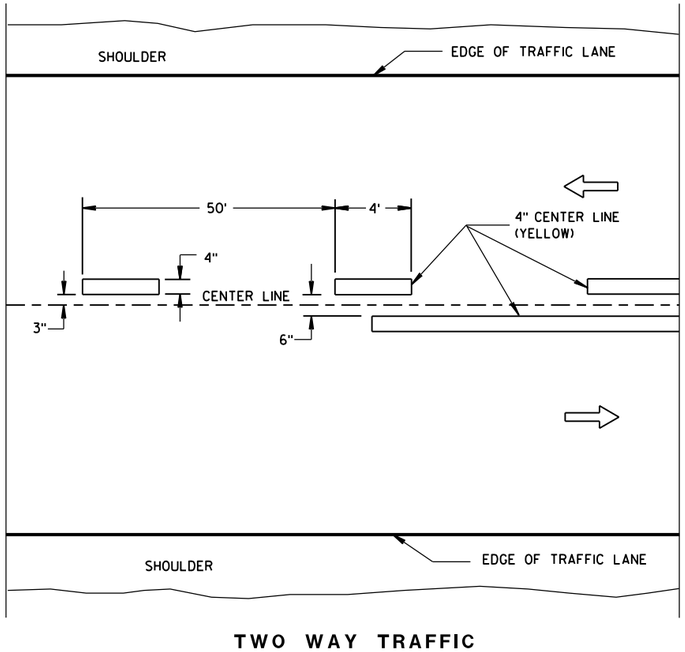
NOTE

ARROW SYMBOL (⇨) SHOWS DIRECTION OF TRAVEL

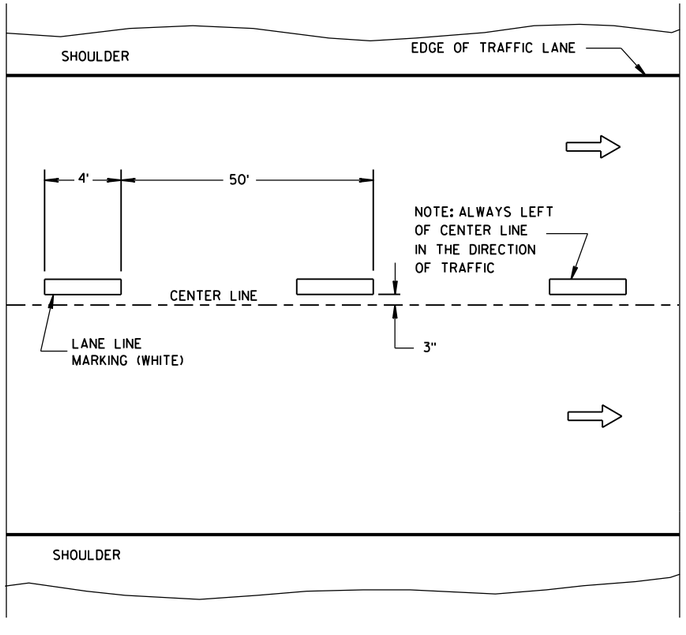
LEGEND

"T" MARKING

POST MOUNTED SIGN



TWO WAY TRAFFIC



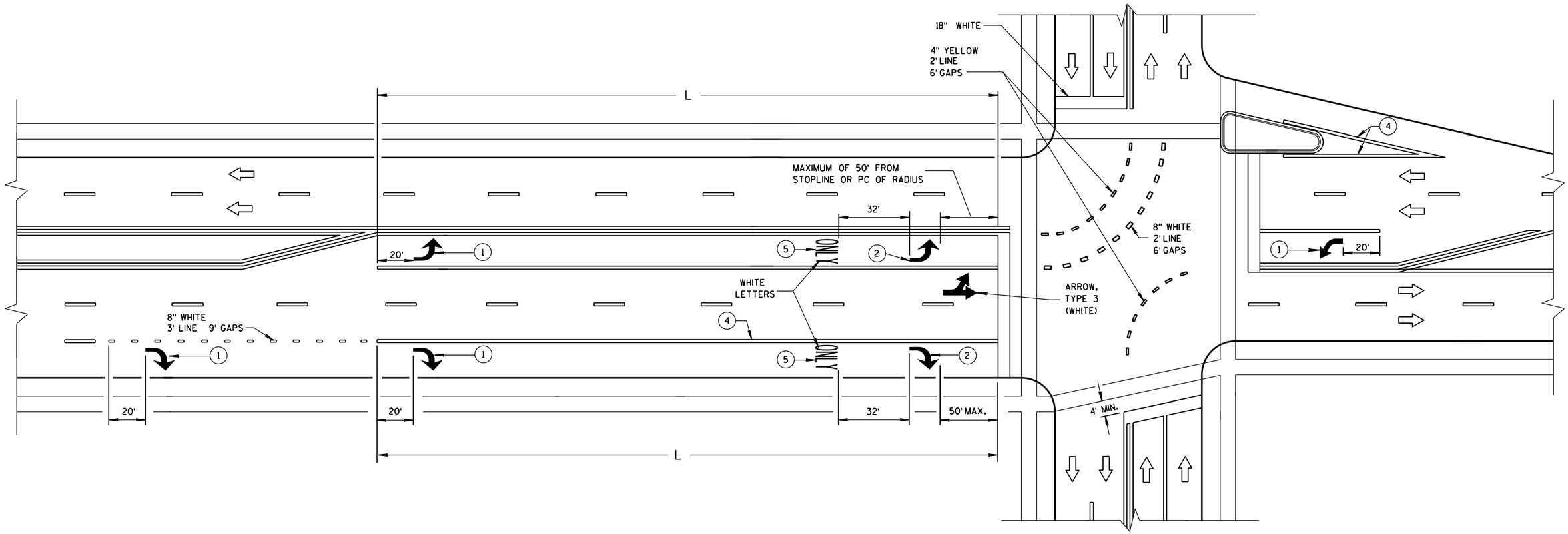
ONE WAY TRAFFIC

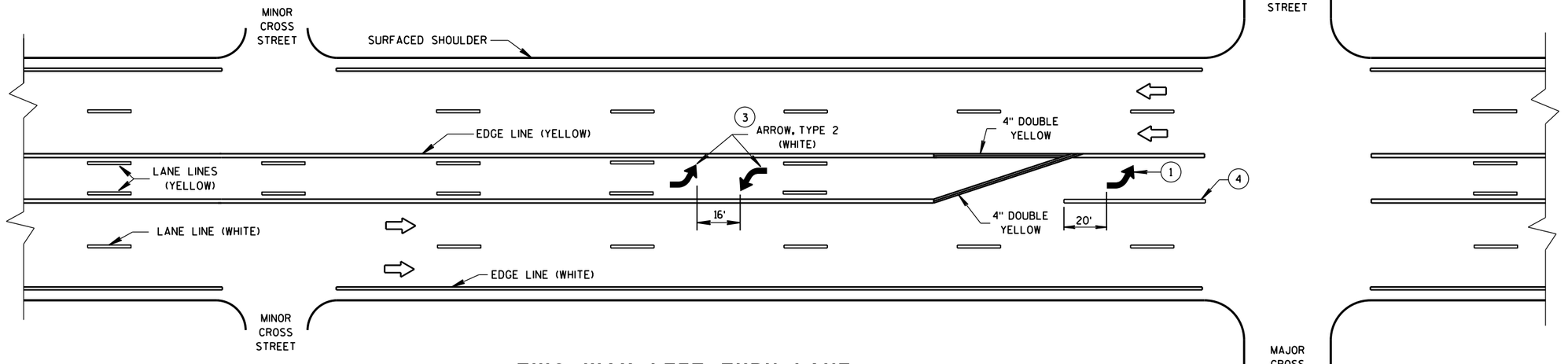
TEMPORARY PAVEMENT MARKING

LONGITUDINAL MARKING (MAINLINE)	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED June 2017 DATE	/S/ Matthew R. Rauch STATE SIGNING AND MAR[illegible]INEER
FHWA	

6

S.D.D. 15 C 8-18a





TWO WAY LEFT TURN LANE

GENERAL NOTES

(1) REQUIRED ARROW, TYPE 2 (WHITE).

(2) REQUIRED ARROW, TYPE 2 (WHITE) WHEN L IS GREATER THAN 78 FEET AND LESS THAN OR EQUAL TO 166 FEET.

(3) A SET OF ARROWS IS REQUIRED EVERY 400 FEET OR NEAR INTERSECTIONS OR DRIVEWAYS WITH TURNING TRAFFIC.

(4) 8" WHITE

(5) REQUIRED WORD ONLY WHEN L IS GREATER THAN 166 FEET.

NOTE:
ARROW SYMBOL (⇨)
SHOWS DIRECTION OF TRAVEL

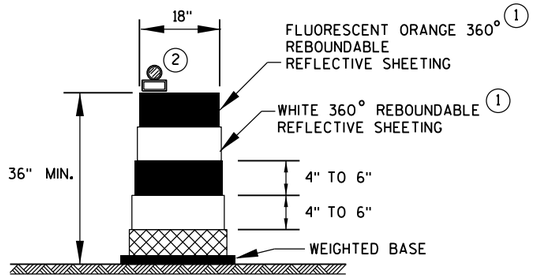
L = LENGTH OF TURN BAY

PAVEMENT MARKING (TURN LANES)

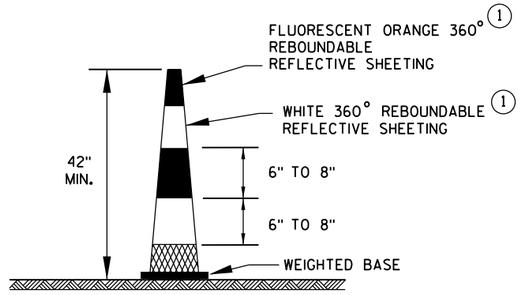
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR

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S.D.D. 15 C 8-18b



DRUM

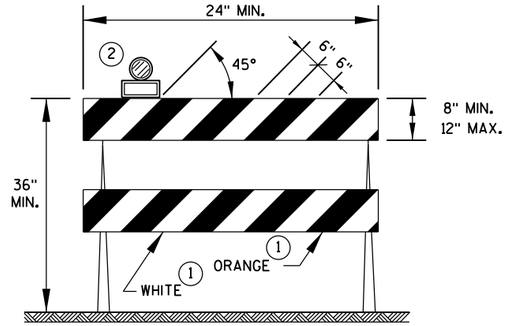


42" CONE

DO NOT USE IN TAPERS
1/2 SPACING OF DRUMS

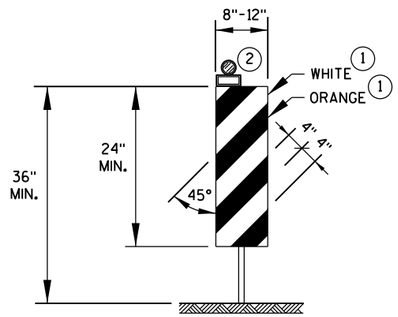
GENERAL NOTES

1. REFLECTIVE SHEETING SHALL FOLLOW THE REQUIREMENTS IN THE APPROVED PRODUCTS LISTING FOR SIGN SHEETING.
2. LOCATION OF WARNING LIGHTS WHEN SHOWN ON THE PLAN.



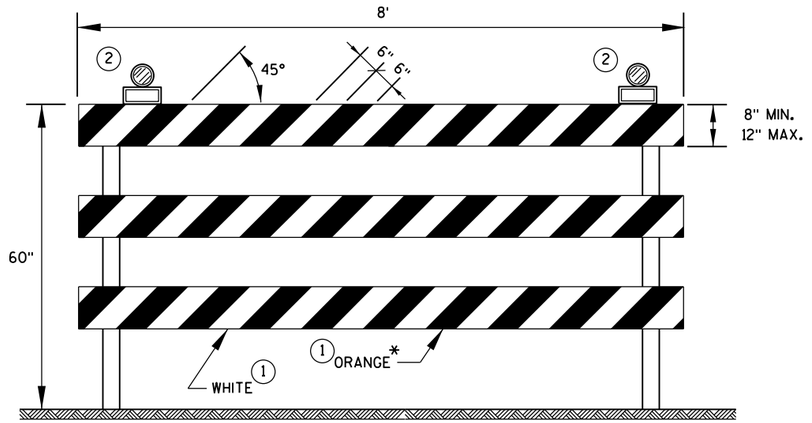
TYPE 2 BARRICADE

FOR RAILS LESS THAN 36" LONG, 4" WIDE STRIPES MAY BE USED. ALL STRIPES SHALL SLOPE DOWNWARD TO THE TRAFFIC SIDE FOR CHANNELIZATION.



VERTICAL PANEL

THE STRIPES SHALL SLOPE DOWNWARD TO THE TRAFFIC SIDE FOR CHANNELIZATION.



TYPE 3 BARRICADE

IF SIGN MOUNTED, DO NOT COVER MORE THAN 50% OF THE TOP TWO RAILS OR 33% OF THE TOTAL AREA OF THE THREE RAILS.

* IF USED FOR A PERMANENT APPLICATION, USE RED SHEETING.

CHANNELIZING DEVICES DRUMS, CONES, BARRICADES AND VERTICAL PANELS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

June 2017 — DATE

/S/ Andrew Heidtke — WORK ZONE ENG

FHWA

6

S.D.D. 15 C 11-7b

LEGEND

- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT
- TRAFFIC CONTROL DRUM
- FLASHING ARROW BOARD
- REMOVING PAVEMENT MARKING
- CONCRETE BARRIER TEMPORARY PRECAST
- DIRECTION OF TRAFFIC
- WORK AREA

L, TAPER LENGTH (MPH)							
SPEED (MPH)	W, LATERAL OFFSET (FT)						
	10	11	12	13	14	15	16
45	450	495	540	585	630	675	720
50	500	550	600	650	700	750	800
55	550	605	660	715	770	825	880
60	600	660	720	780	840	900	960
65	650	715	780	845	910	975	1040
70	700	770	840	910	980	1050	1120



W057-52
48"x36"

INSTALL ON EACH APPROACH AT THE CLOSEST INTERSECTION WITH A STATE OR COUNTY TRUNK HIGHWAY, OR AS DIRECTED BY THE ENGINEER. WIDTH ON SIGN TO BE APPROX. 1 FOOT LESS THAN AVAILABLE WIDTH (OMIT IF AVAILABLE WIDTH IS MORE THAN 16 FEET).



OR



LOCATED 2600 FEET IN ADVANCE OF R2-1 SIGN AND 500 FEET BEYOND THE "ROAD WORK 1 MILE" SIGN.



OR



R2-1
48"x60"
(BLACK AND WHITE)

LOCATED 500 FEET BEYOND W20-5G SIGN.

IF THE REGULATORY SPEED HAS BEEN REDUCED, A SPEED LIMIT SIGN SHALL BE LOCATED 1500 FEET BEYOND THE END OF THE ACCELERATION LANE OF EACH ENTRANCE RAMP. THERE SHOULD BE A SPEED LIMIT SIGN INCORPORATED A MINIMUM OF EVERY 2 OR 3 MILES.

* INCLUDE RESUME SPEED LIMIT SIGN A MINIMUM OF 200 FEET (500 FEET DESIRABLE) AFTER END ROAD WORK SIGNS.

GENERAL NOTES

THIS LANE CLOSURE IS TYPICAL FOR CLOSING RIGHT LANE - REVERSE FOR CLOSING LEFT LANE.

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

THE SPACING BETWEEN SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND TO PROVIDE A MINIMUM OF 200 FEET (500 FEET DESIRABLE) CLEARANCE TO EXISTING SIGNS.

ALL SIGNS ARE 48"x48" UNLESS OTHERWISE NOTED.

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

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

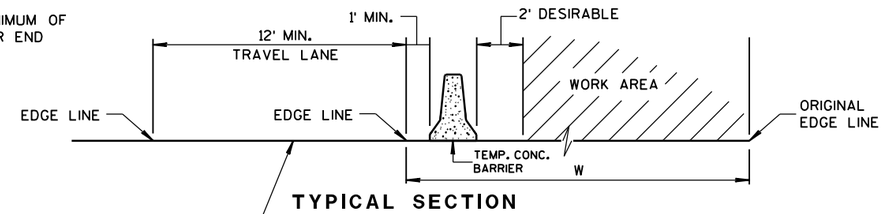
(1) CONSIDER ROADWAY GEOMETRICS WHEN LOCATING SIGNS AND ARROW BOARD SO THE DRIVER HAS A CLEAR VIEW OF THE ARROW BOARD AND LANE CLOSURE DRUMS FOR A MINIMUM 1500 FEET IN FRONT OF DRUM TAPER.

FOR A LANE CLOSURE THAT IS IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS, THE ADVANCED WARNING SIGNS MAY BE MOUNTED ON PORTABLE SUPPORTS.

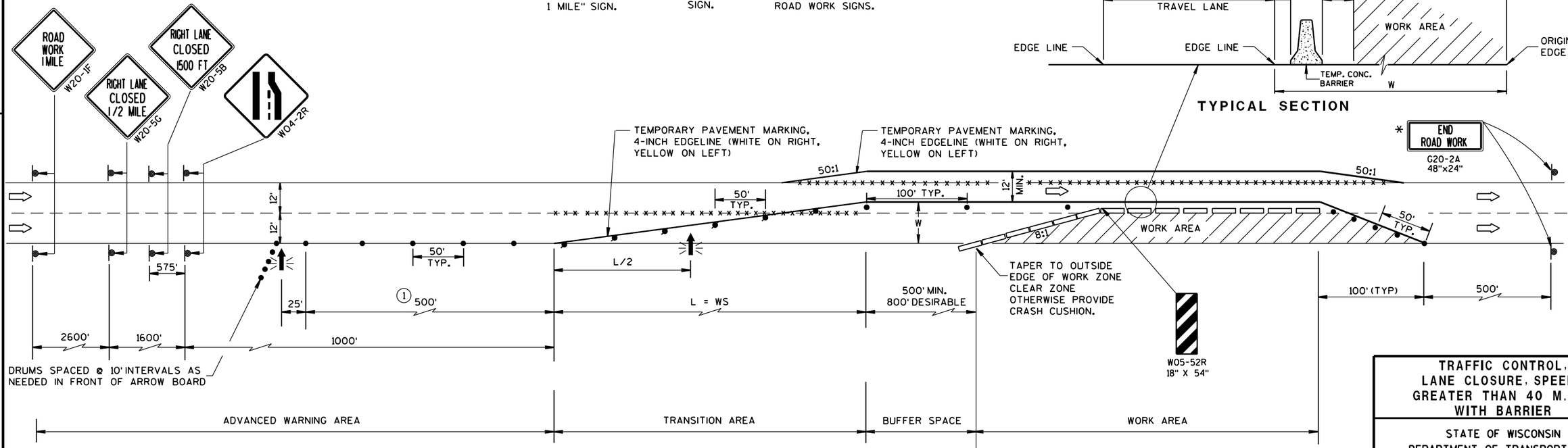
REMOVE PAVEMENT MARKINGS IF LANE CLOSURE IS TO BE IN PLACE FOR 4 OR MORE CONTINUOUS DAYS AND NIGHTS.

IF THE HORIZONTAL ALIGNMENT IS SUCH THAT A CURVE MAY REQUIRE ADDITIONAL DELINEATION, THE DEVICE SPACING MAY BE DECREASED TO 50 FEET.

ADJUSTMENTS IN BUFFER SPACE NEED TO BE INCORPORATED WHEN THE LANE CLOSURE OCCURS NEAR AN INTERCHANGE EXIT OR ENTRANCE RAMP OR INTERSECTION. THE LANE CLOSURE MUST TAKE PLACE FAR ENOUGH IN ADVANCE OF AN EXIT OR ENTRANCE RAMP TO STILL ALLOW FOR ADEQUATE BUFFER SPACE. THE MINIMUM LENGTH OF THE BUFFER SPACE BEFORE AN EXIT RAMP SHOULD BE 1/2 THE LENGTH OF THE TRANSITION AREA. THE ENTRANCE RAMP SHOULD BE FOLLOWED BY THE ORIGINAL BUFFER SPACE LENGTH OF 800 FEET DESIRABLE PRIOR TO ANOTHER TRAFFIC CONTROL CHANGE SUCH AS A CROSSOVER MANEUVER.



TYPICAL SECTION



TRAFFIC CONTROL, LANE CLOSURE, SPEEDS GREATER THAN 40 M.P.H. WITH BARRIER

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept., 2016 — DATE
/S/ Peter Amakobe Atepe
STATEWIDE WORK ZOI SAFETY ENGIN
FHWA

S.D.D. 15 D 3-4

S.D.D. 15 D 3-4

LEGEND

- TYPE III BARRICADE WITH ATTACHED SIGN
- SIGN ON PERMENENT SUPPORT
- TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT
- TRAFFIC CONTROL DRUM
- FLASHING ARROW BOARD
- (A) TYPE "A" WARNING LIGHT (FLASHING)
- REMOVING PAVEMENT MARKING
- DIRECTION OF TRAFFIC
- WORK AREA

GENERAL NOTES

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

THE SPACING BETWEEN SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND TO PROVIDE A MINIMUM OF 200 FEET, (500 FEET DESIREABLE) DISTANCE TO EXISTING SIGNS.

THIS LANE CLOSURE IS TYPICAL FOR CLOSING RIGHT LANE - REVERSE FOR CLOSING LEFT LANE.

ALL SIGNS ARE 48"x48" UNLESS OTHERWISE NOTED.

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

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER. NO WARNING LIGHTS SHALL BE WORKING ON "COVERED" OR "DOWNED" SIGNS.

CONSIDER GEOMETRICS WHEN LOCATING SIGNS AND ARROW BOARD SO THE DRIVER HAS A CLEAR VIEW OF THE ARROW BOARD AND LANE CLOSURE DRUMS FOR A MINIMUM 1500 FEET IN FRONT OF DRUMS.

FOR A LANE CLOSURE THAT IS IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS, THE ADVANCED WARNING SIGNS MAY BE MOUNTED ON PORTABLE SUPPORTS.

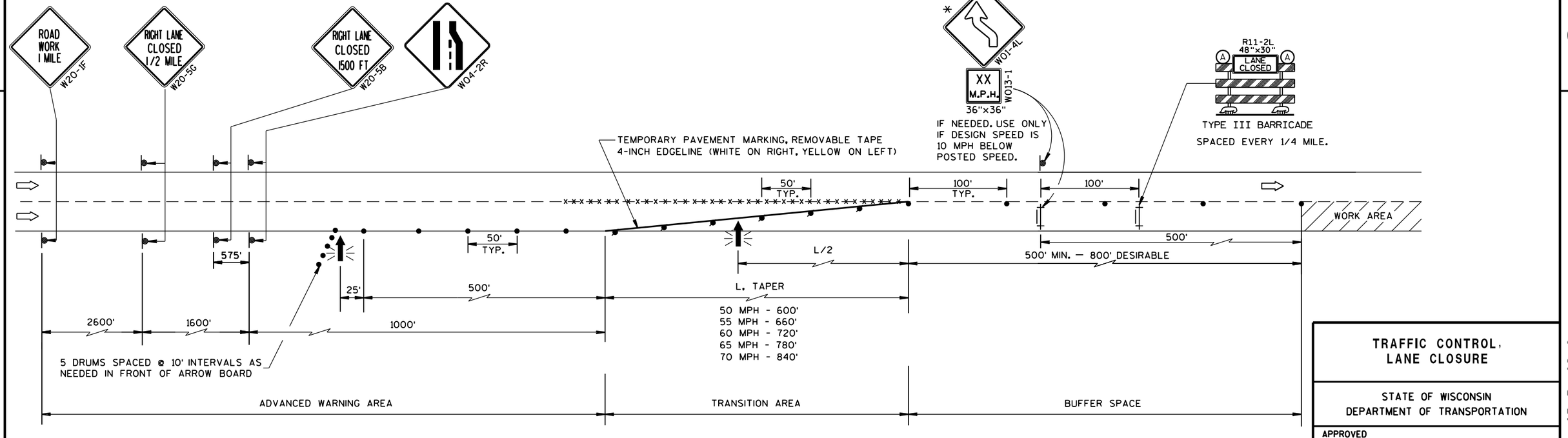
REMOVE PAVEMENT MARKINGS IF LANE CLOSURE IS TO BE IN PLACE FOR LONGER THAN 4 OR MORE DAYS AND NIGHTS.

WARNING LIGHTS ARE NOT REQUIRED IF THE LANE CLOSURE IS A DAYTIME ONLY OPERATION.

IF THE HORIZONTAL ALIGNMENT IS SUCH THAT A CURVE MAY REQUIRE ADDITIONAL DELINEATION, THE DEVICE SPACING MAY BE DECREASED TO 50 FEET.

ADJUSTMENTS IN BUFFER SPACE NEED TO BE INCORPORATED WHEN THE LANE CLOSURE OCCURS NEAR AN INTERCHANGE EXIT OR ENTRANCE RAMP. THE LANE CLOSURE MUST MUST TAKE PLACE FAR ENOUGH IN ADVANCE OF AN EXIT OR ENTRANCE RAMP TO STILL ALLOW FOR ADEQUATE BUFFER SPACE. THE MINIMUM LENGTH OF THE BUFFER SPACE BEFORE AN EXIT RAMP SHOULD BE 1/2 THE LENGTH OF THE TRANSITION AREA. THE ENTRANCE RAMP SHOULD BE FOLLOWED BY THE ORIGINAL BUFFER SPACE LENGTH OF 800 FEET DESIRABLE PRIOR TO ANOTHER TRAFFIC CONTROL CHANGE SUCH AS A CROSSOVER MANEUVER.

* THE LEFT REVERSE CURVE SIGN (WO1-4L) IS ONLY REQUIRED WHEN THIS DETAIL IS USED IN COMBINATION WITH "SINGLE LANE CROSSOVER" DETAIL.



TRAFFIC CONTROL, LANE CLOSURE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

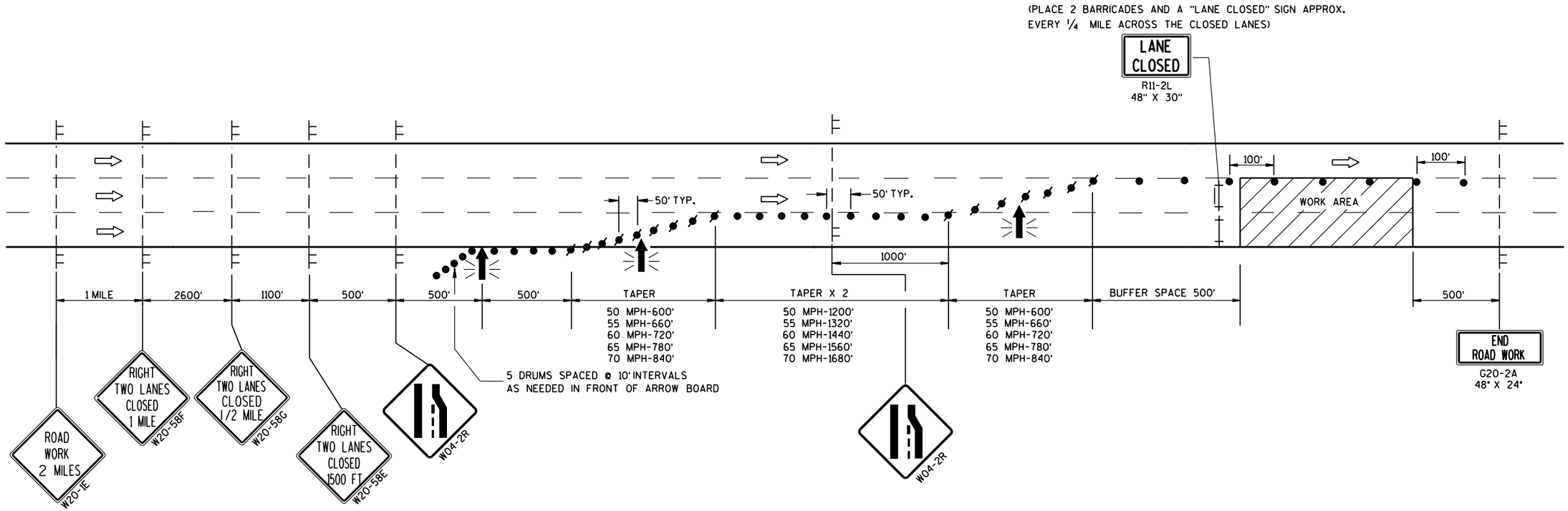
APPROVED
March 2016 — DATE
/S/ Peter Amakobe Atepe
STATEWIDE WORK ZONE TRAFFIC SAFETY ENGINEER
FHWA

6

S.D.D. 15 D 12-6a

6

S.D.D. 15 D 12-6a



LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT
- TRAFFIC CONTROL DRUM
- FLASHING ARROW BOARD
- DIRECTION OF TRAFFIC
- WORK AREA

GENERAL NOTES

THIS DETAIL IS TYPICAL FOR CLOSING THE RIGHT TWO LANES. FOR CLOSING THE LEFT TWO LANES, REVERSE THE TRAFFIC CONTROL.

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

THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND SHOULD PROVIDE A MINIMUM OF 200 FEET (500 FEET DESIRABLE) CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

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

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

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

W20-1E AND G20-2A SIGNS ARE NOT REQUIRED IF THE LANE CLOSURE IS WITHIN A LARGER WORK ZONE WHERE THESE SIGNS ARE ALREADY PRESENT.

CONSIDER GEOMETRICS WHEN LOCATING SIGNS AND ARROWBOARDS SO THE APPROACHING DRIVER HAS A CLEAR VIEW OF THE ARROWBOARDS AND LANE CLOSURE DRUMS FOR A MINIMUM 1500 FEET IN FRONT OF DRUMS.

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

BARRICADES IN A CLOSED LANE THAT MUST BE MOVED FOR A WORK OPERATION SHALL BE IMMEDIATELY RE-ESTABLISHED UPON COMPLETION OF THE OPERATION OR, FOR CONTINUING OPERATIONS, AT THE END OF EACH WORKING DAY.

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

WARNING LIGHTS ARE NOT REQUIRED IF THE LANE CLOSURE IS A DAYTIME ONLY OPERATION.

TRAFFIC CONTROL, TWO LANE CLOSURE ON FREEWAY OR EXPRESSWAY, SHORT TERM (LESS THAN 24 HOURS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

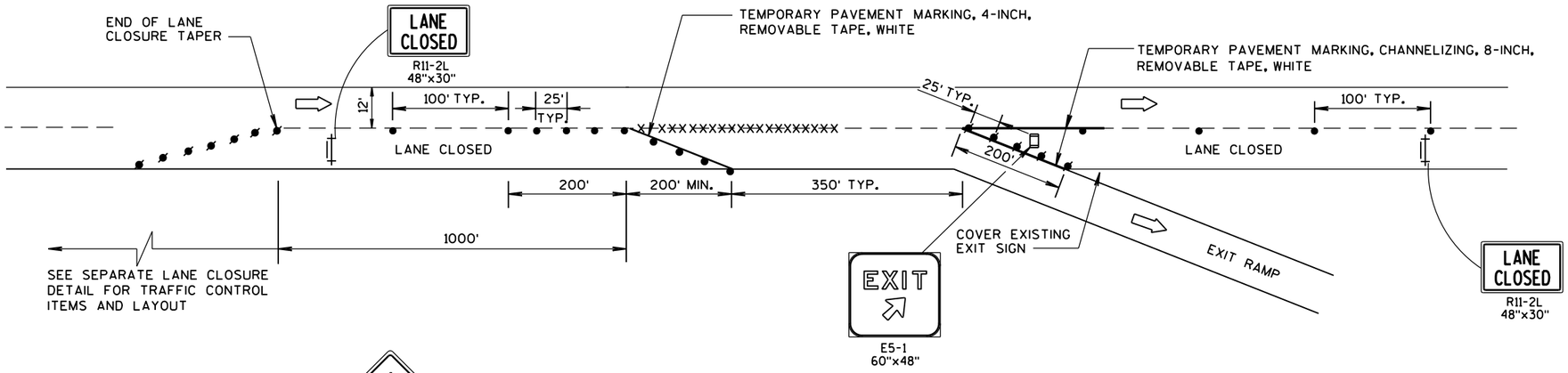
APPROVED
July 14, 2015 — DATE
/S/ Peter Amakobe Atepe — STATEWIDE WORK ZONE TRAFFIC SAFETY ENGINEER
FHWA

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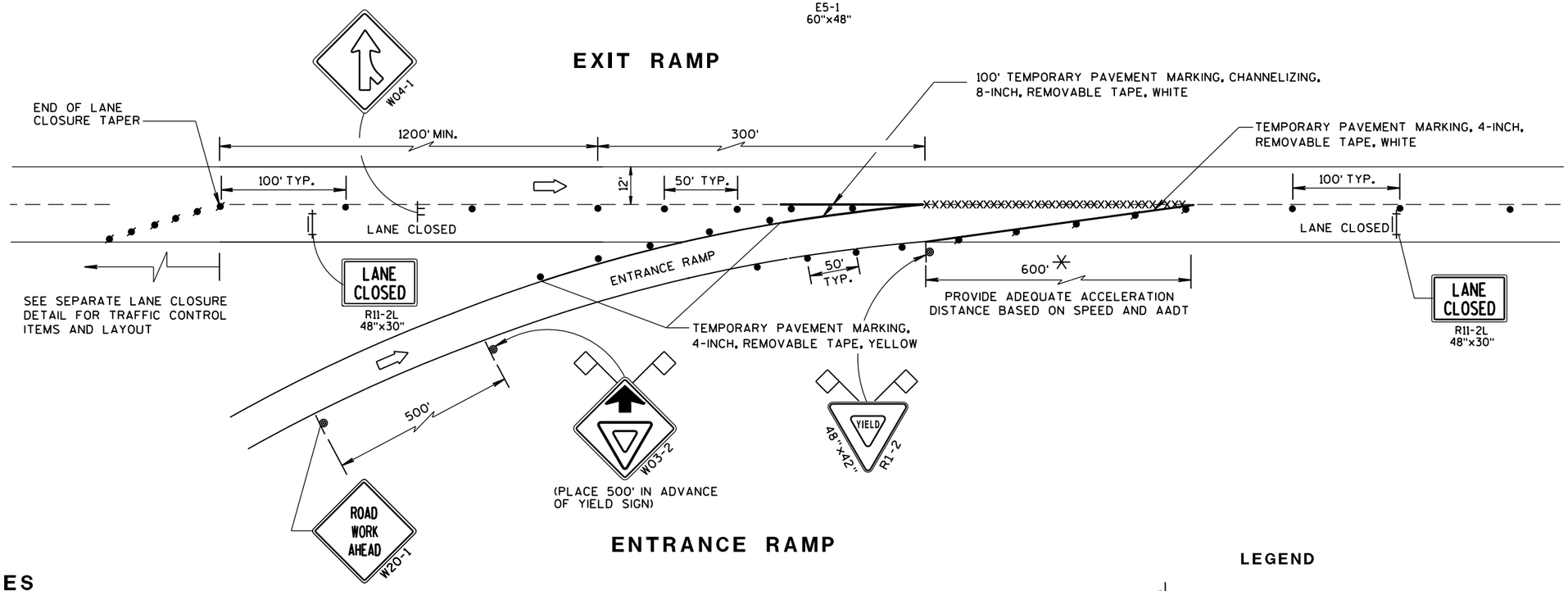
S.D.D. 15 D 14-3

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S.D.D. 15 D 14-3



EXIT RAMP



ENTRANCE RAMP

GENERAL NOTES

THE INSTALLATIONS SHOWN ON THIS SHEET ARE TYPICAL EXAMPLES AND ARE NOT INTENDED TO REPRESENT ANY PARTICULAR RAMP. AT SPECIFIC FIELD LOCATIONS, SIMILAR INSTALLATIONS SHALL BE USED AND ADJUSTED TO THE GEOMETRICS OF THE RAMP AS COORDINATED WITH THE ENGINEER.

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

THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND SHOULD PROVIDE A MINIMUM OF 200 FEET, (500 FEET DESIRABLE) CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

ALL SIGNS ARE 48"x48" UNLESS OTHERWISE NOTED.

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

SEE SEPARATE LANE CLOSURE DETAIL FOR TYPICAL SPACING OF TYPE III BARRICADES AND R11-2L "LANE CLOSED" SIGNS.

YIELD SIGN AND WARNING SIGNS ON ENTRANCE RAMP ARE ALSO APPROPRIATE FOR CLOSURE OF THE MAINLINE LEFT LANE. OMIT THE YIELD SIGN IF MORE THAN ONE LANE REMAINS OPEN ON THE MAINLINE AND THE RAMP TAPER IS AT LEAST AS LONG AS THE NORMAL ENTRANCE RAMP TAPER AT THE SITE.

SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS, OR THAT WILL BE PLACED IN A CLOSED LANE, MAY BE MOUNTED ON PORTABLE SUPPORTS.

IF INDICATED IN MISCELLANEOUS QUANTITIES, SUBSTITUTE FLEXIBLE TUBULAR MARKERS FOR DRUMS IN THE GORE BETWEEN THE ENTRANCE RAMP AND MAINLINE TRAFFIC.

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

REMOVE PAVEMENT MARKINGS AND PLACE TEMPORARY PAVEMENT MARKING, REMOVABLE TAPE IF LANE CLOSURE IS TO BE IN PLACE FOR 7 OR MORE CONTINUOUS DAYS AND NIGHTS.

WARNING LIGHTS ARE NOT REQUIRED IF THE LANE CLOSURE IS A DAYTIME ONLY OPERATION.

* LENGTH OF OPENING MAY BE REDUCED TO 150 FEET DURING STAGING OF WORK IN IMMEDIATE AREA OF RAMP TAPER.

LEGEND

- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT
- REMOVING PAVEMENT MARKING (SEE GENERAL NOTES)
- TYPE III BARRICADE WITH ATTACHED SIGN
- FLAGS, 16" x 16" MIN., (ORANGE)
- DIRECTION OF TRAFFIC

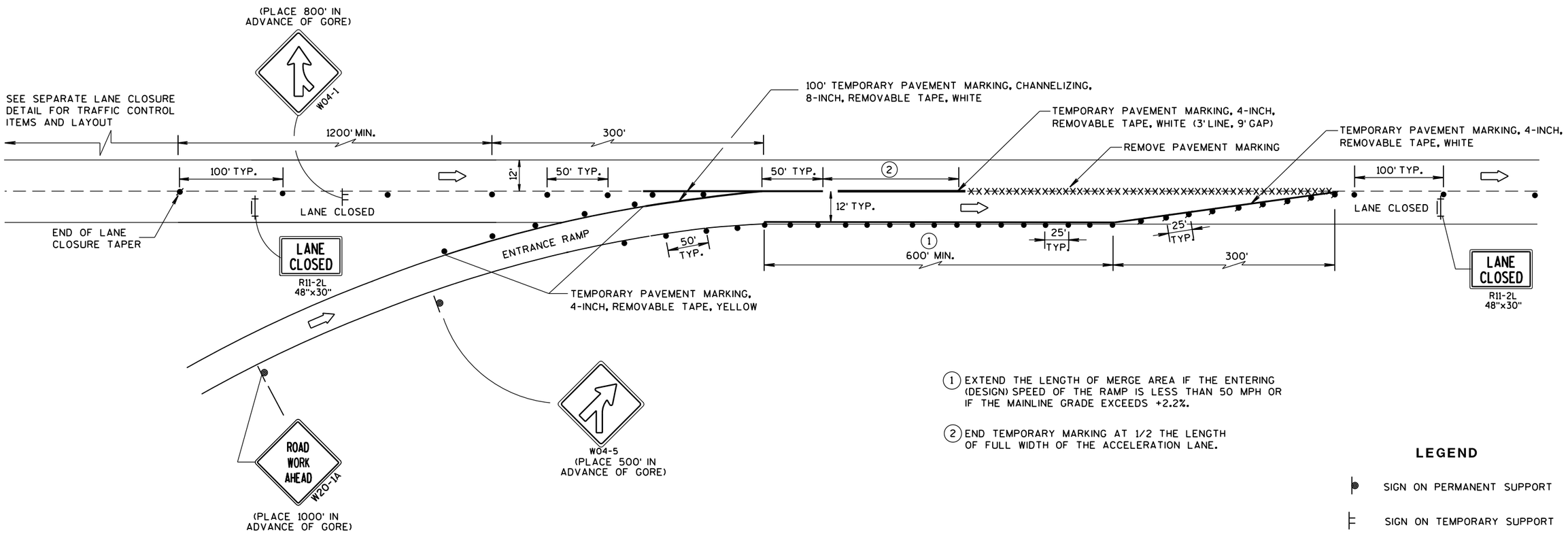
TRAFFIC CONTROL, EXIT AND ENTRANCE RAMP WITHIN LANE CLOSURE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept. 2015 — DATE
/S/ Peter Amakobe Atepe — STATEWIDE WORK ZONE SAFETY ENGINEER
FHWA

6
S.D.D. 15 D 15-2

TRAFFIC CONTROL, ENTRANCE RAMP WITHIN RIGHT LANE CLOSURE



1. EXTEND THE LENGTH OF MERGE AREA IF THE ENTERING (DESIGN) SPEED OF THE RAMP IS LESS THAN 50 MPH OR IF THE MAINLINE GRADE EXCEEDS +2.2%.

2. END TEMPORARY MARKING AT 1/2 THE LENGTH OF FULL WIDTH OF THE ACCELERATION LANE.

LEGEND

- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT
- TYPE III BARRICADE WITH ATTACHED SIGN
- REMOVING PAVEMENT MARKING
- DIRECTION OF TRAFFIC

PARALLEL ENTRANCE RAMP

GENERAL NOTES

THE INSTALLATIONS SHOWN ON THIS SHEET ARE TYPICAL EXAMPLES AND ARE NOT INTENDED TO REPRESENT ANY PARTICULAR RAMP. AT SPECIFIC FIELD LOCATIONS, SIMILAR INSTALLATIONS SHALL BE USED AND ADJUSTED TO THE GEOMETRICS OF THE RAMP AS COORDINATED WITH THE ENGINEER.

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

THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND SHOULD PROVIDE A MINIMUM OF 200 FEET, (500 FEET DESIRABLE) CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

ALL SIGNS ARE 48"x48" UNLESS OTHERWISE NOTED.

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

SEE SEPARATE LANE CLOSURE DETAIL FOR TYPICAL SPACING OF TYPE III BARRICADES AND R11-2L "LANE CLOSED" SIGNS.

SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS, OR THAT WILL BE PLACED IN A CLOSED LANE, MAY BE MOUNTED ON PORTABLE SUPPORTS. USE SUPPORTS THAT PROVIDE A MINIMUM OF 5 FEET FROM THE BOTTOM OF THE SIGN TO THE PAVEMENT.

IF INDICATED IN MISCELLANEOUS QUANTITIES, SUBSTITUTE FLEXIBLE TUBULAR MARKERS FOR DRUMS IN THE GORE BETWEEN THE ENTRANCE RAMP AND MAINLINE TRAFFIC.

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

REMOVE PAVEMENT MARKINGS AND PLACE TEMPORARY PAVEMENT MARKING REMOVABLE TAPE IF LANE CLOSURE IS TO BE IN PLACE FOR 7 OR MORE CONTINUOUS DAYS AND NIGHTS.

WARNING LIGHTS ARE NOT REQUIRED IF THE LANE CLOSURE IS A DAYTIME ONLY OPERATION.

TRAFFIC CONTROL, PARALLEL ENTRANCE RAMP WITHIN LANE CLOSURE

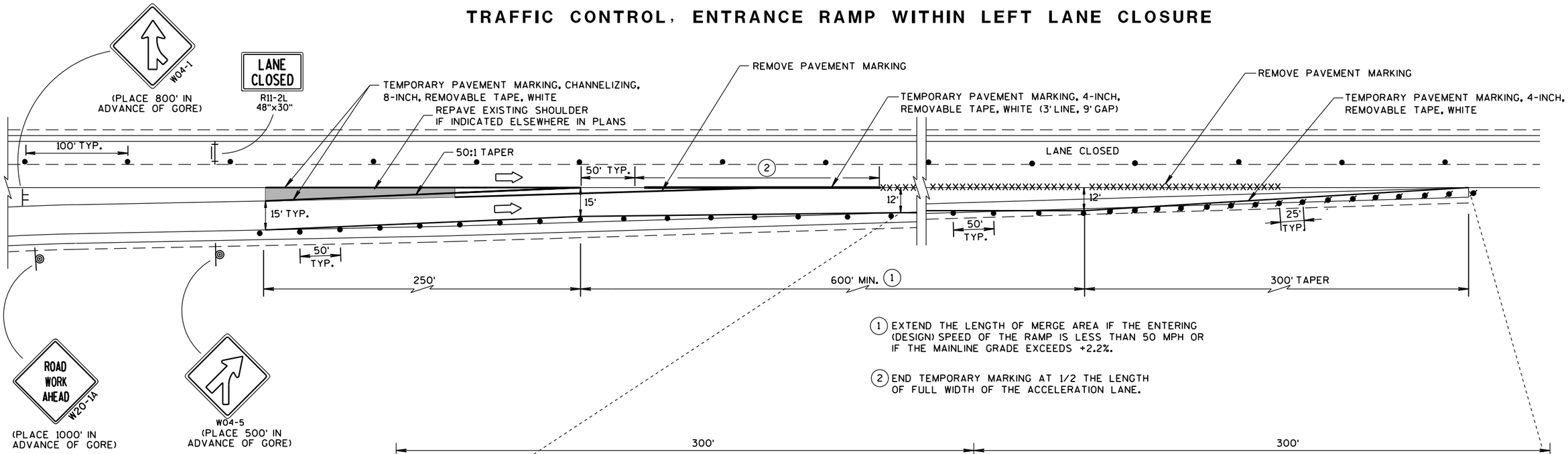
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
March, 2017
DATE
/S/ Andrew Heldtke
WORK ZONE ENG
FHWA

6

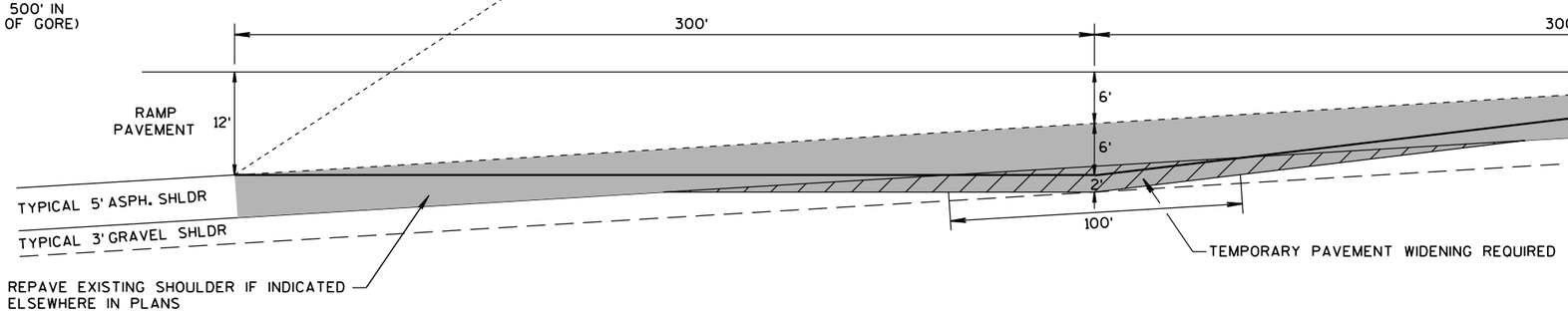
S.D.D. 15 D 15-3a

TRAFFIC CONTROL, ENTRANCE RAMP WITHIN LEFT LANE CLOSURE



(1) EXTEND THE LENGTH OF MERGE AREA IF THE ENTERING (DESIGN) SPEED OF THE RAMP IS LESS THAN 50 MPH OR IF THE MAINLINE GRADE EXCEEDS +2.2%.

(2) END TEMPORARY MARKING AT 1/2 THE LENGTH OF FULL WIDTH OF THE ACCELERATION LANE.



TEMPORARY PAVEMENT DETAIL

(EXISTING RAMP DIMENSIONS MAY VARY. ADJUST TEMPORARY PAVEMENT ACCORDINGLY)

LEGEND

- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT
- TYPE III BARRICADE WITH ATTACHED SIGN
- REMOVING PAVEMENT MARKING
- DIRECTION OF TRAFFIC

GENERAL NOTES

THE INSTALLATIONS SHOWN ON THIS SHEET ARE TYPICAL EXAMPLES AND ARE NOT INTENDED TO REPRESENT ANY PARTICULAR RAMP. AT SPECIFIC FIELD LOCATIONS, SIMILAR INSTALLATIONS SHALL BE USED AND ADJUSTED TO THE GEOMETRICS OF THE RAMP AS COORDINATED WITH THE ENGINEER.

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

THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND SHOULD PROVIDE A MINIMUM OF 200 FEET, (500 FEET DESIRABLE) CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

ALL SIGNS ARE 48"x48" UNLESS OTHERWISE NOTED.

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SEE SEPARATE LANE CLOSURE DETAIL FOR TYPICAL SPACING OF TYPE III BARRICADES AND R11-2L "LANE CLOSED" SIGNS.

SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS, OR THAT WILL BE PLACED IN A CLOSED LANE, MAY BE MOUNTED ON PORTABLE SUPPORTS. USE SUPPORTS THAT PROVIDE A MINIMUM OF 5 FEET FROM THE BOTTOM OF THE SIGN TO THE PAVEMENT.

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

REMOVE PAVEMENT MARKINGS AND PLACE TEMPORARY PAVEMENT MARKING REMOVABLE TAPE IF LANE CLOSURE IS TO BE IN PLACE FOR 7 OR MORE CONTINUOUS DAYS AND NIGHTS.

WARNING LIGHTS ARE NOT REQUIRED IF THE LANE CLOSURE IS A DAYTIME ONLY OPERATION.

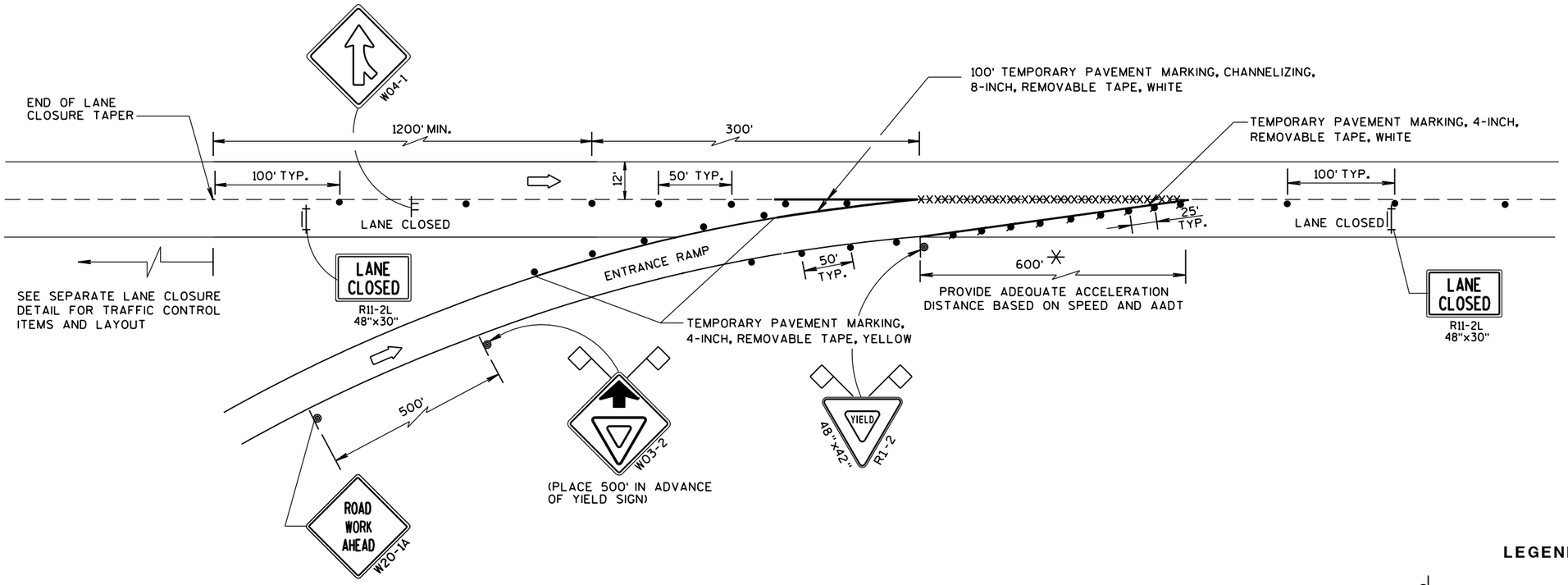
TRAFFIC CONTROL, ENTRANCE RAMP WITHIN LANE CLOSURE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
March, 2017 — DATE
/S/ Andrew Heldtke — WORK ZONE ENG
FHWA

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S.D.D. 15 D 15-3b



TAPERED ENTRANCE RAMP WITHIN RIGHT LANE CLOSURE

GENERAL NOTES

THE INSTALLATIONS SHOWN ON THIS SHEET ARE TYPICAL EXAMPLES AND ARE NOT INTENDED TO REPRESENT ANY PARTICULAR RAMP. AT SPECIFIC FIELD LOCATIONS, SIMILAR INSTALLATIONS SHALL BE USED AND ADJUSTED TO THE GEOMETRICS OF THE RAMP AS COORDINATED WITH THE ENGINEER.

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

THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND SHOULD PROVIDE A MINIMUM OF 200 FEET, (500 FEET DESIRABLE) CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

ALL SIGNS ARE 48"x48" UNLESS OTHERWISE NOTED.

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

SEE SEPARATE LANE CLOSURE DETAIL FOR TYPICAL SPACING OF TYPE III BARRICADES AND R11-2L "LANE CLOSED" SIGNS.

YIELD SIGN AND WARNING SIGNS ON ENTRANCE RAMP ARE ALSO APPROPRIATE FOR CLOSURE OF THE MAINLINE LEFT LANE. OMIT THE YIELD SIGN IF MORE THAN ONE LANE REMAINS OPEN ON THE MAINLINE AND THE RAMP TAPER IS AT LEAST AS LONG AS THE NORMAL ENTRANCE RAMP TAPER AT THE SITE.

SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS, OR THAT WILL BE PLACED IN A CLOSED LANE, MAY BE MOUNTED ON PORTABLE SUPPORTS.

IF INDICATED IN MISCELLANEOUS QUANTITIES, SUBSTITUTE FLEXIBLE TUBULAR MARKERS FOR DRUMS IN THE GORE BETWEEN THE ENTRANCE RAMP AND MAINLINE TRAFFIC.

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REMOVE PAVEMENT MARKINGS AND PLACE TEMPORARY PAVEMENT MARKING, REMOVABLE TAPE IF LANE CLOSURE IS TO BE IN PLACE FOR 7 OR MORE CONTINUOUS DAYS AND NIGHTS.

WARNING LIGHTS ARE NOT REQUIRED IF THE LANE CLOSURE IS A DAYTIME ONLY OPERATION.

* CONSULT WITH REGIONAL WORK ZONE ENGINEER IF NEED TO REDUCE LENGTH EXISTS.

LEGEND

- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT
- REMOVING PAVEMENT MARKING (SEE GENERAL NOTES)
- TYPE III BARRICADE WITH ATTACHED SIGN
- FLAGS, 16" x 16" MIN., (ORANGE)
- DIRECTION OF TRAFFIC

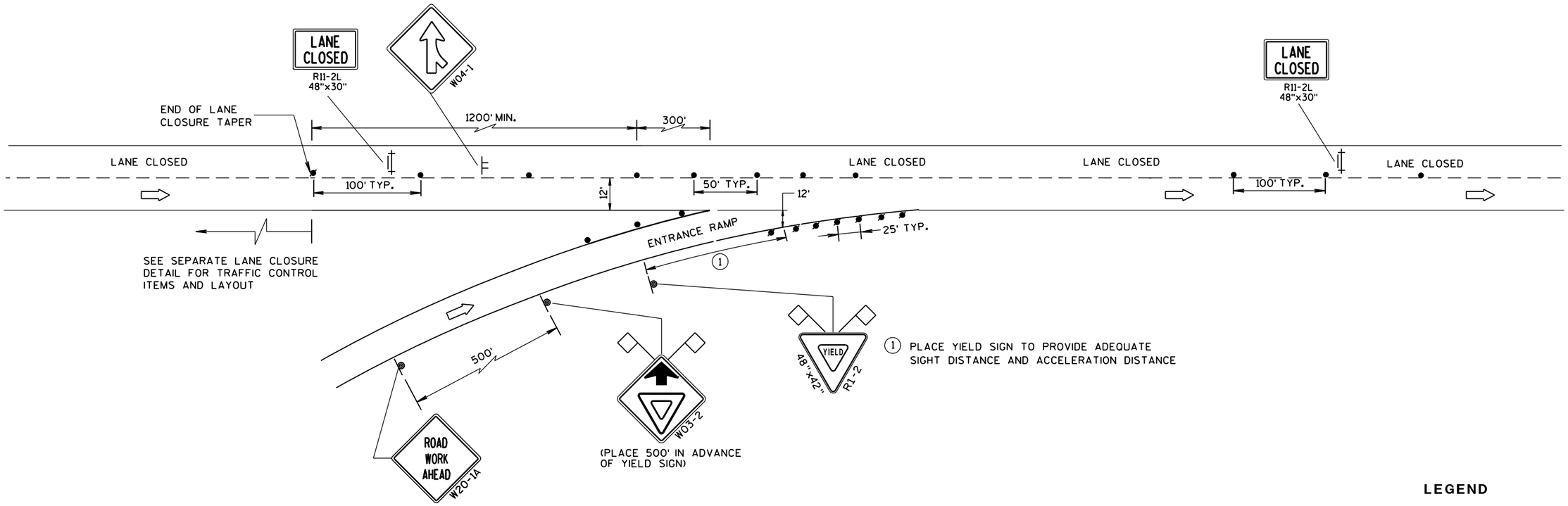
TRAFFIC CONTROL, TAPERED ENTRANCE RAMP WITHIN LANE CLOSURE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
March, 2017 — DATE
/S/ Andrew Heidtke — WORK ZONE ENG
FHWA

6

S.D.D. 15 D 15-3c



TAPERED ENTRANCE RAMP WITHIN LEFT LANE CLOSURE

LEGEND

- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT
- REMOVING PAVEMENT MARKING (SEE GENERAL NOTES)
- TYPE III BARRICADE WITH ATTACHED SIGN
- FLAGS, 16" x 16" MIN., (ORANGE)
- DIRECTION OF TRAFFIC

GENERAL NOTES

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SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS, OR THAT WILL BE PLACED IN A CLOSED LANE, MAY BE MOUNTED ON PORTABLE SUPPORTS.

IF INDICATED IN MISCELLANEOUS QUANTITIES, SUBSTITUTE FLEXIBLE TUBULAR MARKERS FOR DRUMS IN THE GORE BETWEEN THE ENTRANCE RAMP AND MAINLINE TRAFFIC.

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WARNING LIGHTS ARE NOT REQUIRED IF THE LANE CLOSURE IS A DAYTIME ONLY OPERATION.

TRAFFIC CONTROL, TAPERED ENTRANCE RAMP WITHIN LANE CLOSURE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
March, 2017 — DATE
/S/ Andrew Heidtke — WORK ZONE ENG
FHWA

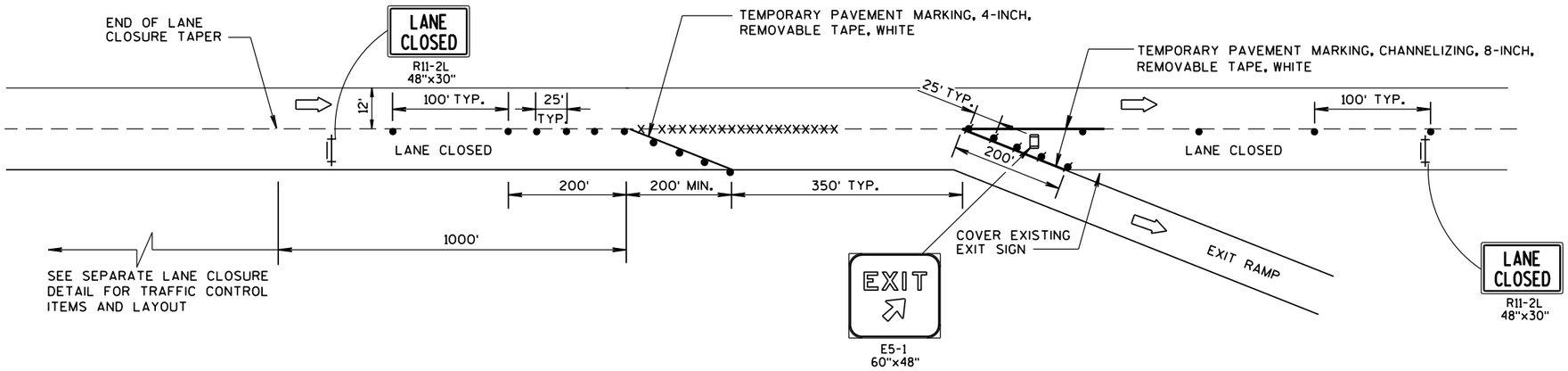
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S.D.D. 15 D 15-3d

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S.D.D. 15 D 15-3d

PARALLEL EXIT RAMP



GENERAL NOTES

THE INSTALLATIONS SHOWN ON THIS SHEET ARE TYPICAL EXAMPLES AND ARE NOT INTENDED TO REPRESENT ANY PARTICULAR RAMP. AT SPECIFIC FIELD LOCATIONS, SIMILAR INSTALLATIONS SHALL BE USED AND ADJUSTED TO THE GEOMETRICS OF THE RAMP AS COORDINATED WITH THE ENGINEER.

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

THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND SHOULD PROVIDE A MINIMUM OF 200 FEET, (500 FEET DESIRABLE) CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

ALL SIGNS ARE 48"x48" UNLESS OTHERWISE NOTED.

"W0" IS THE SAME AS "W" EXCEPT THE BACKGROUND IS ORANGE.

SEE SEPARATE LANE CLOSURE DETAIL FOR TYPICAL SPACING OF TYPE III BARRICADES AND R11-2L "LANE CLOSED" SIGNS.

YIELD SIGN AND WARNING SIGNS ON ENTRANCE RAMP ARE ALSO APPROPRIATE FOR CLOSURE OF THE MAINLINE LEFT LANE. OMIT THE YIELD SIGN IF MORE THAN ONE LANE REMAINS OPEN ON THE MAINLINE AND THE RAMP TAPER IS AT LEAST AS LONG AS THE NORMAL ENTRANCE RAMP TAPER AT THE SITE.

SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS, OR THAT WILL BE PLACED IN A CLOSED LANE, MAY BE MOUNTED ON PORTABLE SUPPORTS.

IF INDICATED IN MISCELLANEOUS QUANTITIES, SUBSTITUTE FLEXIBLE TUBULAR MARKERS FOR DRUMS IN THE GORE BETWEEN THE ENTRANCE RAMP AND MAINLINE TRAFFIC.

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

REMOVE PAVEMENT MARKINGS AND PLACE TEMPORARY PAVEMENT MARKING, REMOVABLE TAPE IF LANE CLOSURE IS TO BE IN PLACE FOR 7 OR MORE CONTINUOUS DAYS AND NIGHTS.

WARNING LIGHTS ARE NOT REQUIRED IF THE LANE CLOSURE IS A DAYTIME ONLY OPERATION.

LEGEND

- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT
- REMOVING PAVEMENT MARKING (SEE GENERAL NOTES)
- TYPE III BARRICADE WITH ATTACHED SIGN
- FLAGS, 16" x 16" MIN., (ORANGE)
- DIRECTION OF TRAFFIC

TRAFFIC CONTROL, PARALLEL EXIT RAMP WITHIN LANE CLOSURE

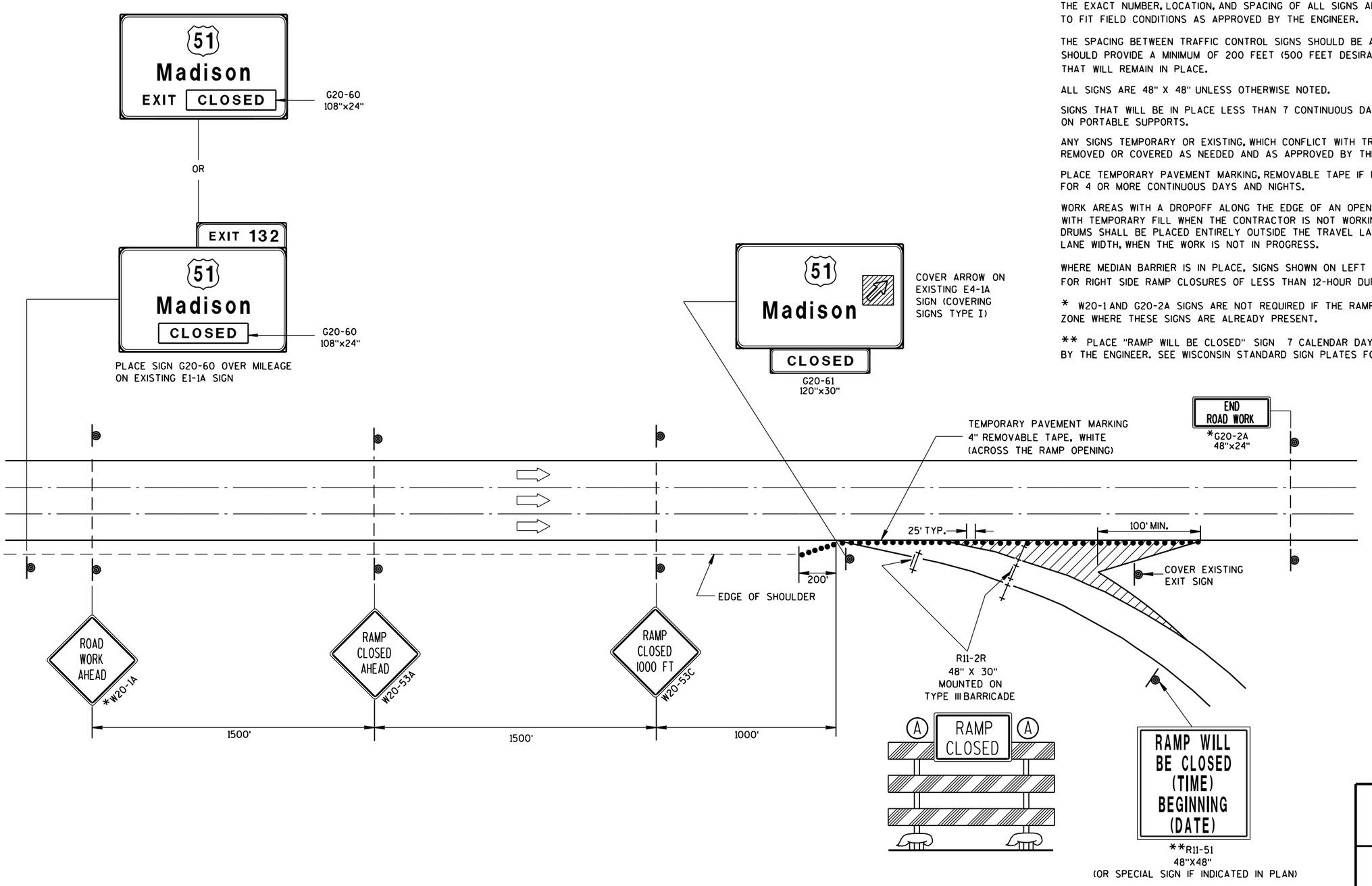
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
March, 2017 — /S/ Andrew Heldtke
DATE — WORK ZONE ENG

FHWA

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S.D.D. 15 D 15-3e



GENERAL NOTES

THIS RAMP CLOSURE DETAIL IS TYPICAL FOR CLOSING A RIGHT SIDE EXIT RAMP. FOR A LEFT SIDE EXIT RAMP, REVERSE THE TRAFFIC CONTROL.

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

THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND SHOULD PROVIDE A MINIMUM OF 200 FEET (500 FEET DESIRABLE) CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

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

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

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

PLACE TEMPORARY PAVEMENT MARKING, REMOVABLE TAPE IF RAMP CLOSURE IS TO BE IN PLACE FOR 4 OR MORE CONTINUOUS DAYS AND NIGHTS.

WORK AREAS WITH A DROPOFF ALONG THE EDGE OF AN OPEN TRAVEL LANE SHALL BE LEVELED WITH TEMPORARY FILL WHEN THE CONTRACTOR IS NOT WORKING ADJACENT TO THE TRAVEL LANE. DRUMS SHALL BE PLACED ENTIRELY OUTSIDE THE TRAVEL LANE, ALLOWING THE FULL UNOBSTRUCTED LANE WIDTH, WHEN THE WORK IS NOT IN PROGRESS.

WHERE MEDIAN BARRIER IS IN PLACE, SIGNS SHOWN ON LEFT SIDE OF ROADWAY MAY BE OMITTED FOR RIGHT SIDE RAMP CLOSURES OF LESS THAN 12-HOUR DURATION.

* W20-1 AND G20-2A SIGNS ARE NOT REQUIRED IF THE RAMP CLOSURE IS WITHIN A LARGER WORK ZONE WHERE THESE SIGNS ARE ALREADY PRESENT.

** PLACE "RAMP WILL BE CLOSED" SIGN 7 CALENDAR DAYS PRIOR TO CLOSURE OR AS DIRECTED BY THE ENGINEER. SEE WISCONSIN STANDARD SIGN PLATES FOR SIGN LAYOUT.

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- SIGN ON PERMANENT SUPPORT
- (A) TYPE "A" WARNING LIGHT (FLASHING)
- DIRECTION OF TRAFFIC

TRAFFIC CONTROL, EXIT RAMP CLOSURE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept. 2015 — DATE
/S/ Peter Amakobe Atepe — STATEWIDE WORK ZO SAFETY ENGI FIC
FHWA

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S.D.D. 15 D 16-3

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S.D.D. 15 D 16-3

LEGEND

- TRAFFIC CONTROL DRUM
- SIGN ON PERMANENT SUPPORT
- DIRECTION OF TRAFFIC
- FLASHING ARROW BOARD
- WORK AREA

GENERAL NOTES

THIS DETAIL IS TYPICAL FOR CLOSING THE RIGHT SHOULDER. FOR CLOSING THE LEFT SHOULDER, REVERSE THE TRAFFIC CONTROL.

THIS DETAIL MAY BE USED FOR DIVIDED ROADWAYS WITH ANY NUMBER OF TRAVEL LANES.

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

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

SIGN LAYOUTS SHALL BE IN ACCORDANCE WITH THE FHWA'S MANUAL OF STANDARD HIGHWAY SIGNS OR THE WISCONSIN STANDARD SIGN PLATES.

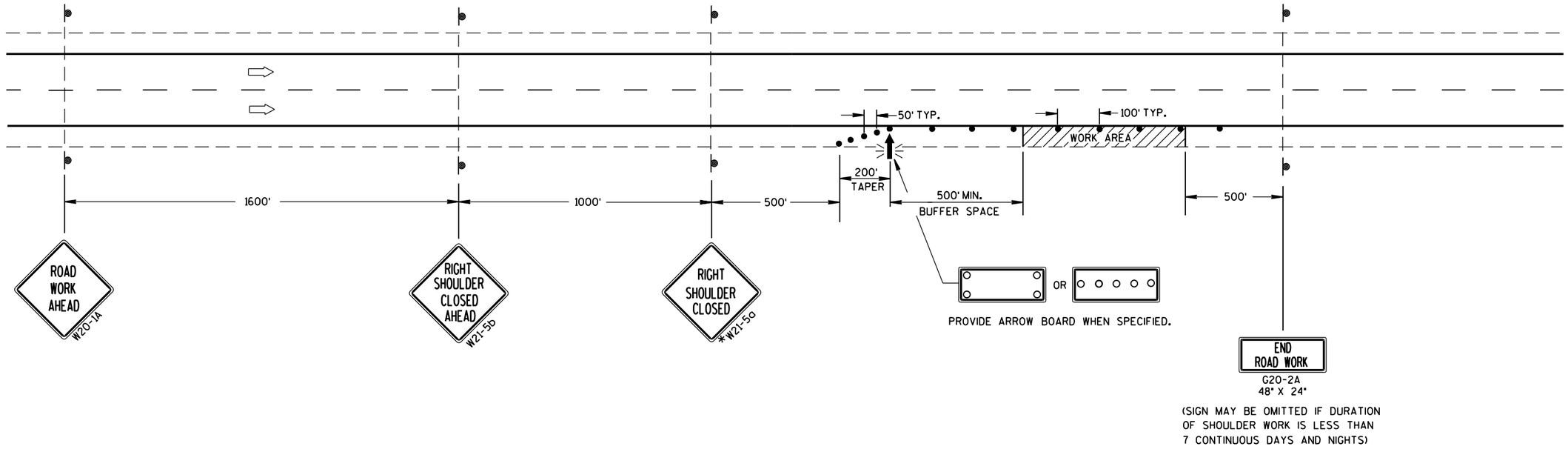
SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

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

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

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

*FOR SHORT DURATION SHOULDER WORK OF LESS THAN ONE HOUR, THE W21-5a SIGN MAY BE OMITTED.



TRAFFIC CONTROL SHOULDER CLOSURE ON DIVIDED ROADWAY, SPEEDS GREATER THAN 40 MPH

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

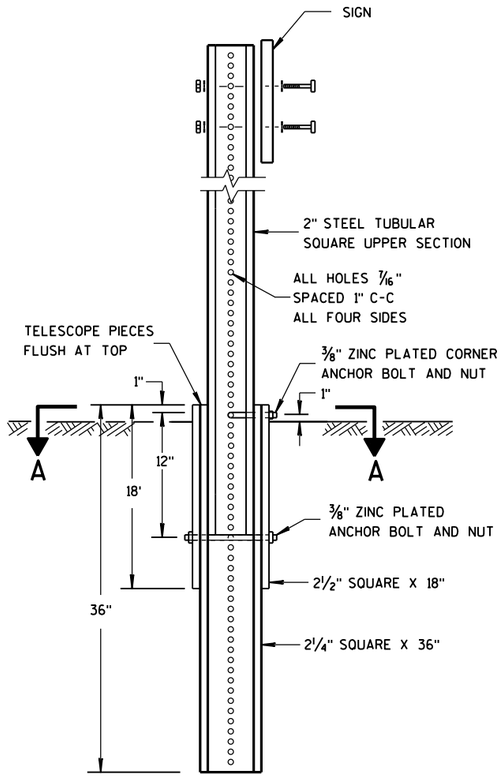
June 2016 — DATE

/S/ Peter Amakobe Atepe
STATEWIDE WORK ZO[illegible] SAFETY ENGI[illegible]

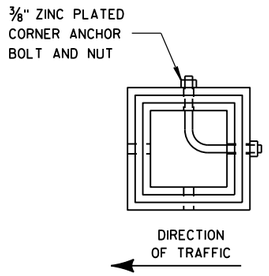
FHWA

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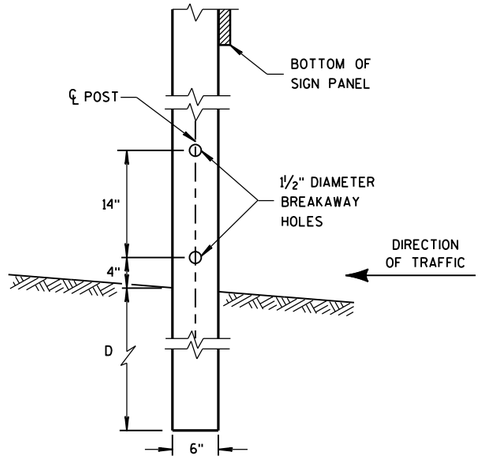
S.D.D. 15 D 27-3



DETAIL OF TUBULAR STEEL SIGN POST



SECTION A-A



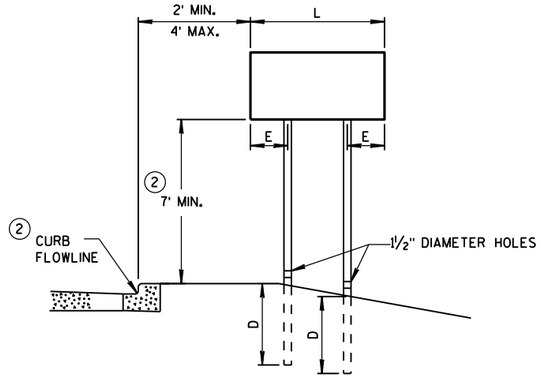
4"x6" WOOD POST MODIFICATION

GENERAL NOTES

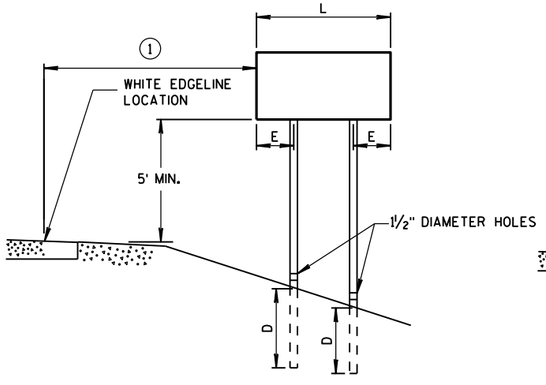
(1) 6 FEET FROM THE EDGE OF PAVEMENT (EDGE LINE LOCATION) UNLESS OTHERWISE DIRECTED BY THE PROJECT ENGINEER. LATERAL OFFSET SHOULD BE ADJUSTED TO AVOID THE DITCH FLOWLINE.

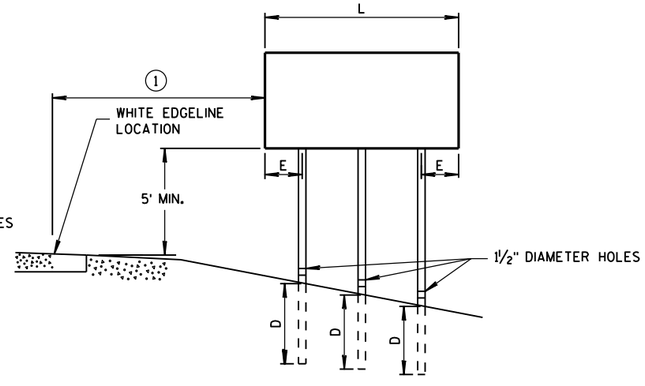
(2) THE EXISTENCE OF CURB AND GUTTER DOES NOT IN ITSELF MANDATE THE VERTICAL CLEARANCE ILLUSTRATED. THAT HEIGHT IS TYPICALLY MEASURED WHERE THERE IS SIDEWALK ADJACENT TO THE ROADWAY OR PARKING IS PERMITTED. IN THE ABSENCE OF SIDEWALK, VERTICAL CLEARANCE IS MEASURED FROM THE TOP OF THE CURB. IF NO SIDEWALK AND NO PARKING, VERTICAL CLEARANCE MAY BE REDUCED TO 5 FOOT MINIMUM. OFFSET OF SIGNS IS MEASURED FROM THE CURB FLOWLINE.

(3) FOR SIGNS REQUIRING 4 POSTS, SPACE INTERMEDIATE POSTS EVENLY.



URBAN AREA





RURAL AREA

POST MOUNTING DETAIL FOR TEMPORARY TRAFFIC CONTROL FIXED MESSAGE SIGNS

TUBULAR STEEL POSTS

AREA OF SIGN INSTALLATION (SQ. FT.)	NUMBER OF REQUIRED TUBULAR STEEL POSTS
9 OR LESS	1
GREATER THAN 9 LESS THAN OR EQUAL TO 18	2
GREATER THAN 18 LESS THAN OR EQUAL TO 27	3

SIGNS WIDER THAN 3 FEET OR LARGER THAN 9 SQ. FT. SHALL BE MOUNTED ON MULTIPLE POSTS (SEE ABOVE TABLE).

SIGNS LARGER THAN 27 SQ. FT. SHALL NOT BE MOUNTED ON TUBULAR STEEL POSTS.

WOOD POST EMBEDMENT DEPTH

AREA OF SIGN INSTALLATION (SQ. FT.)	D (MIN)
20 OR LESS	4'
GREATER THAN 20	5'

4" X 6" WOOD POST

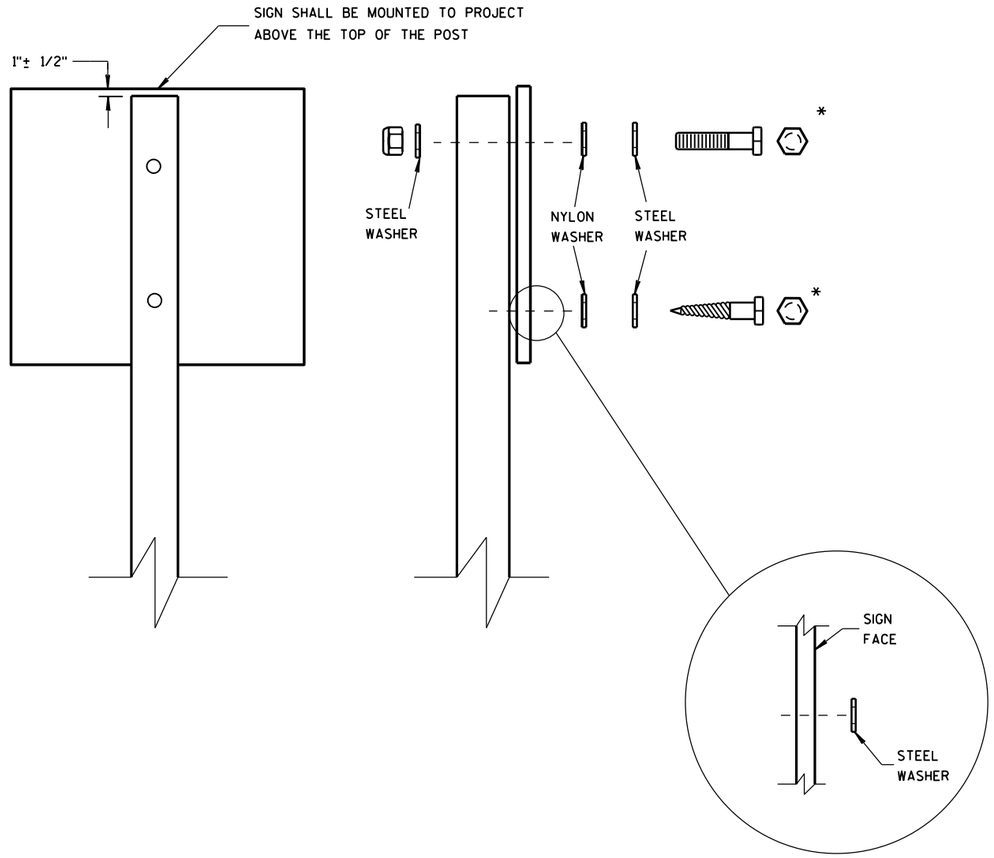
POST SPACING REQUIREMENTS		NUMBER OF WOOD POSTS REQUIRED
L	E	
48" OR LESS AND LESS THAN 20 SQ. FT.	-	1
LESS THAN 60"	12"	2
60" TO 120"	L/5	2
GREATER THAN 120" LESS THAN 168"	12"	3
168" AND GREATER	12"	4

SEE NOTE (3)

TEMPORARY TRAFFIC CONTROL SIGN MOUNTING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

6
S.D.D. 15 D 38-2a



WASHER PLACEMENT WHEN SIGN HAS OTHER THAN TYPE H OR TYPE F FACE

NUTS, BOLTS AND LAGS USED FOR MOUNTING SIGNS SHALL HAVE HEXAGONAL HEADS AND SHALL BE EITHER:

A. HOT DIP GALVANIZED IN ACCORDANCE WITH ASTM DESIGNATION: A 153, CLASS D, OR SC 3

B. ELECTRO-GALVANIZED IN ACCORDANCE WITH ASTM DESIGNATION: B 633, TYPE III, SC 3

THREADS ON BOLTS AND NUTS SHALL BE MANUFACTURED WITH SUFFICIENT ALLOWANCE FOR THE CADMIUM PLATE OR GALVANIZED COATING TO PERMIT THE NUTS TO RUN FREELY ON THE BOLTS.

WOOD POSTS (4" x 4" or 4" x 6")

LAG SCREWS - 3/8" X 3"

MACHINE BOLTS - 5/16" X 6-1/2" OR 7" LENGTH W/ NUTS

SQUARE STEEL POSTS (2" x 2")

MACHINE BOLTS - 3/8" X 3-1/4" LENGTH W/ NUTS

RIVETS - 9/32" (6605-9-6) BULB-TITE, TRI-FOLD, ALUMINUM BODY/MANDREL O.D. FLANGE .720-.765 INCH, GRIP RANGE .042-.375 INCH

WASHERS (ALL POSTS) -

1-1/4" O.D. X 3/8" I.D. X 1/16" STEEL

1-1/4" O.D. X 3/8" I.D. X .080 NYLON FOR ALL TYPE H SIGNS

* TWO DIFFERENT FASTENING SYSTEMS ARE SHOWN FOR ILLUSTRATION PURPOSES. ON ANY INDIVIDUAL SIGN, EITHER ONE OR THE OTHER SYSTEM SHALL BE USED. ACTUAL NUMBER OF FASTENERS PER SIGN VARIES WITH THE SIGN AREA. FOR A SINGLE POST INSTALLATION, ALL SIGNS GREATER THAN 9 SQ. FT. REQUIRE THE USE OF 3 FASTENERS.

6

6

S.D.D. 15 D 38-2b

S.D.D. 15 D 38-2b

ATTACHMENT OF SIGNS TO POSTS

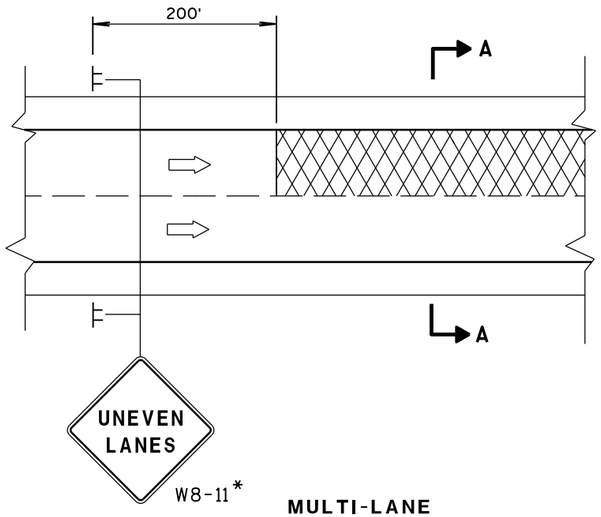
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

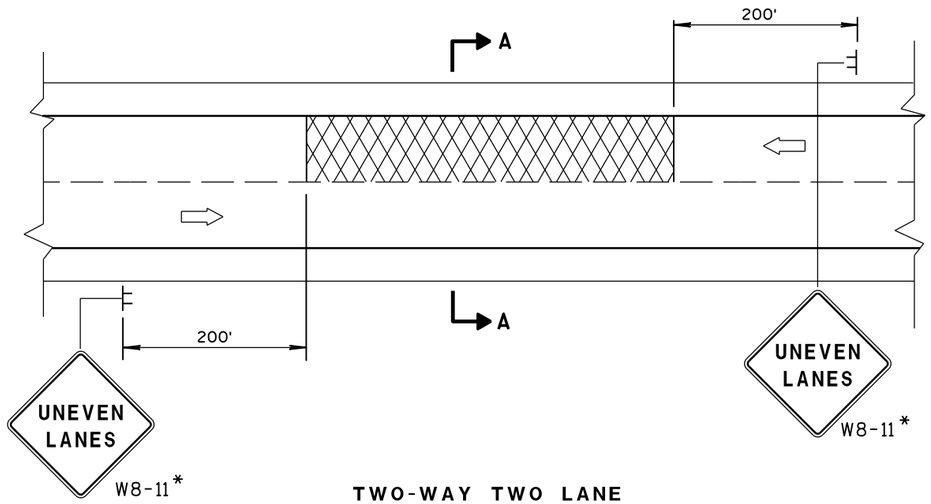
June 2017
DATE

/S/ Andrew Heldtke
WORK ZONE ENG

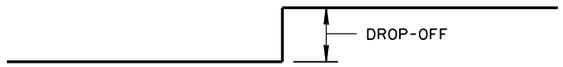
FHWA



MULTI-LANE

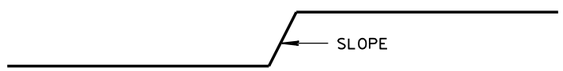


TWO-WAY TWO LANE

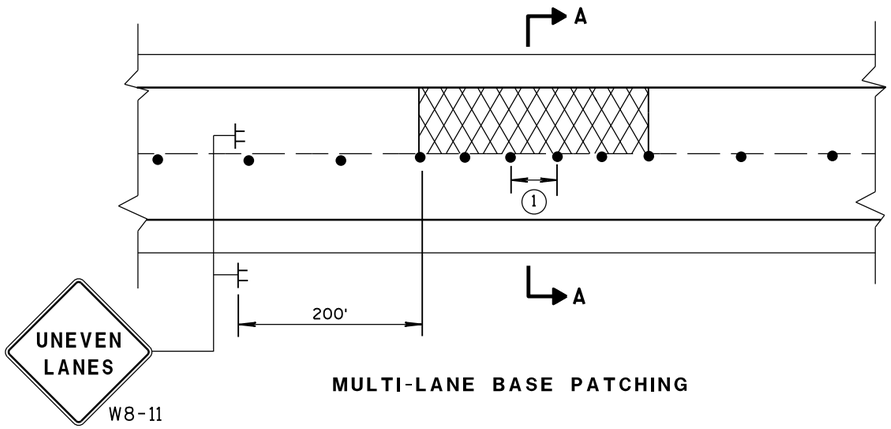


SECTION A-A

OR

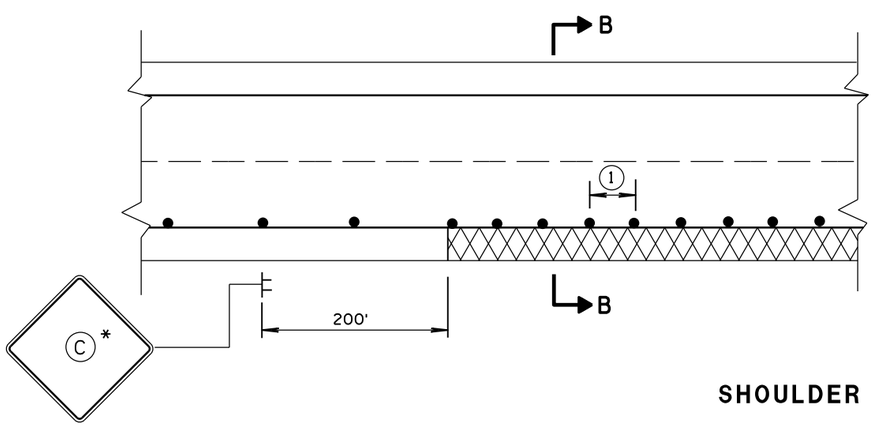


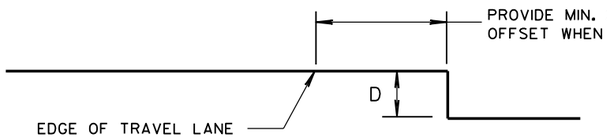
SECTION A-A



MULTI-LANE BASE PATCHING

ADJACENT LANE DROP-OFFS





SECTION B-B

SHOULDER DROP-OFFS

GENERAL NOTES

FOR SPOT LOCATIONS USE ENGINEERING JUDGEMENT WHEN PLACING ADDITIONAL SIGNS.

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

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

* IF THE DROP-OFF IS CONTINUOUS ALONG THE PROJECT, PLACE ADDITIONAL SIGNS EVERY ½ MILE.

(1) USE CLOSER SPACING WHEN DELINEATING DROP-OFF.

LEGEND

- SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL DRUM
- DIRECTION OF TRAFFIC
- WORK AREA WITH DROP-OFF

D	SIGN (C)
< 2" WITH A SLOPE STEEPER THAN 3:1	LOW SHOULDER W08-9
2" < 6" WITH A SLOPE STEEPER THAN 3:1	SHOULDER DROP-OFF W8-9A PROVIDE A 3:1 OR FLATTER SLOPE OF MATERIAL ADJACENT TO THE PAVEMENT

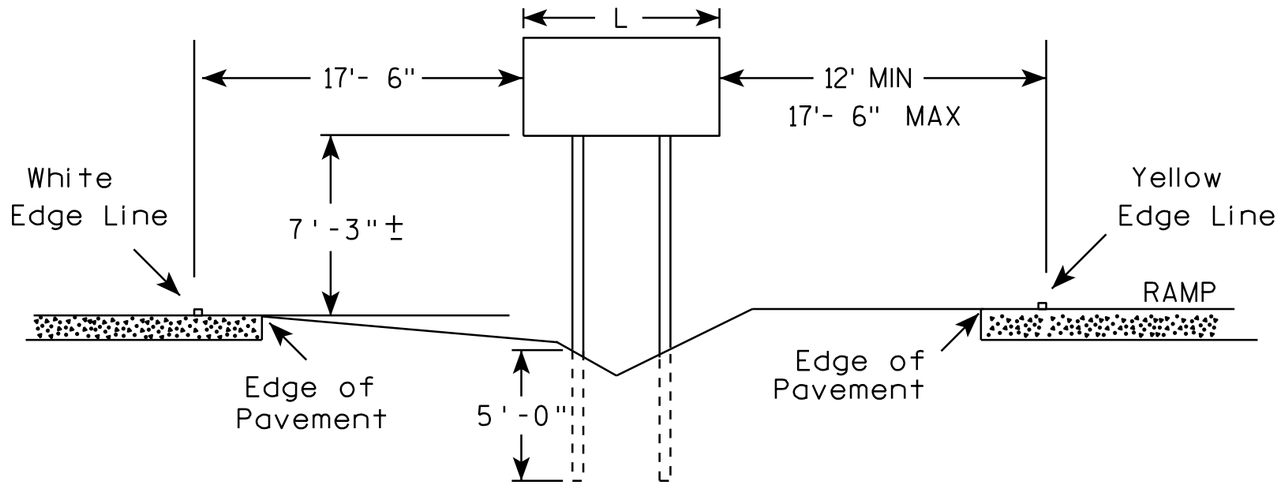
TRAFFIC CONTROL, DROP-OFF SIGNING

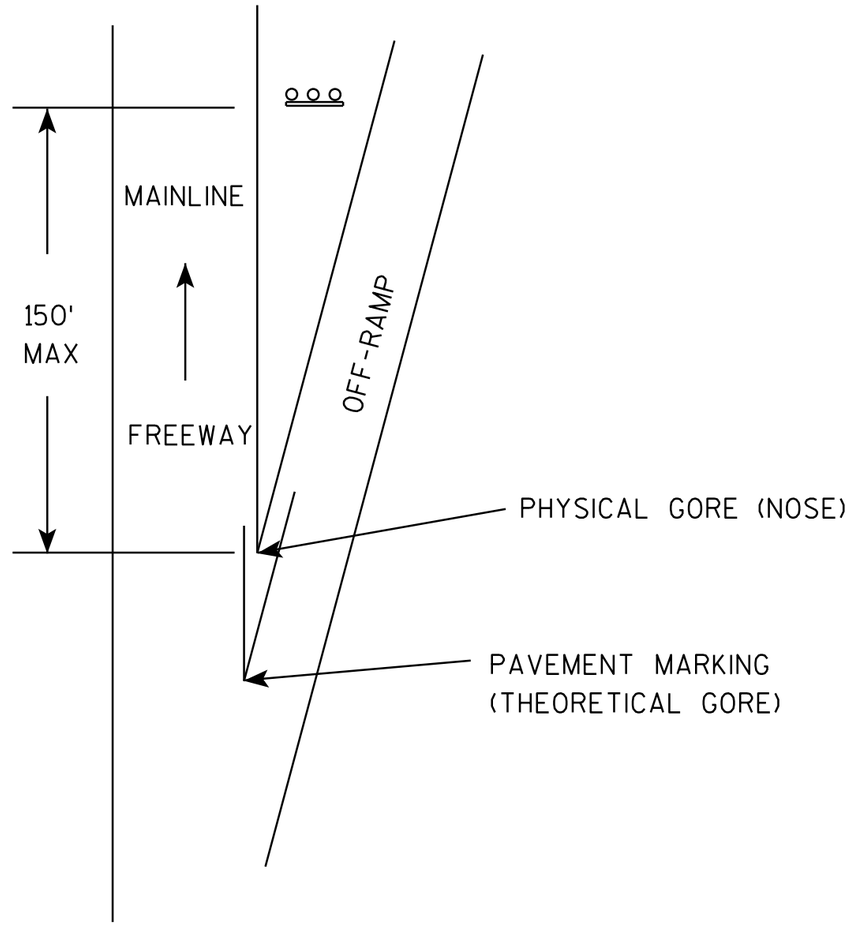
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
March, 2017 — DATE
/S/ Andrew Heldtke — WORK ZONE ENGI
FHWA

6

S.D.D. 15 D 39-1





GENERAL NOTES

1. The 150 foot distance from the physical gore (where pavement ends) will normally provide the offsets as shown.
2. If roadway geometrics permit, the sign may be closer than the 150 foot distance as long as the offsets are maintained.
3. At no time shall the location be greater than 150 feet. If the normal offsets cannot be maintained, they can be reduced to 6 feet from the edge of the paved shoulder (both freeway and ramp).
4. The offset from edge of sign to the yellow edge line on the ramp is shown as a minimum of 12 feet and a maximum of 17 feet, 6 inches. Preference is adhering to the maximum rather than the minimum dimension.
5. When L is equal to or exceeds 10 feet, use 3 posts as per A4-4.
6. The (∓) tolerance for the mounting height is 3 inches.

7

7

TYPICAL INSTALLATION
OF TYPE II SIGNS ON
WOOD POSTS IN GORE

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

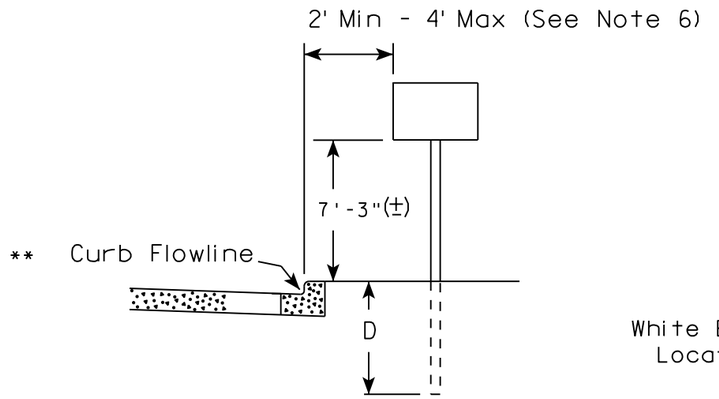
DATE 2/06/14 PLA... A4-2.3

PROJECT NO: | SHEET NO: E

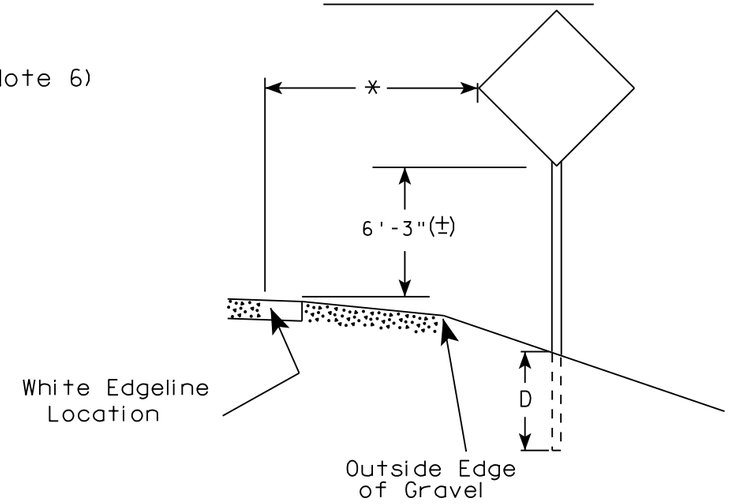
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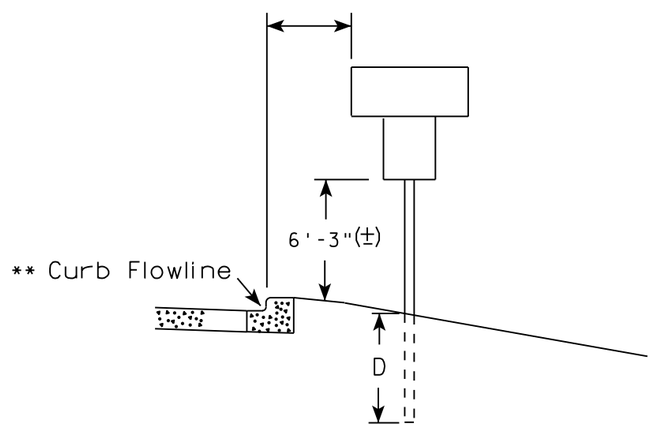
WISDOT/CADDS SHEET 42

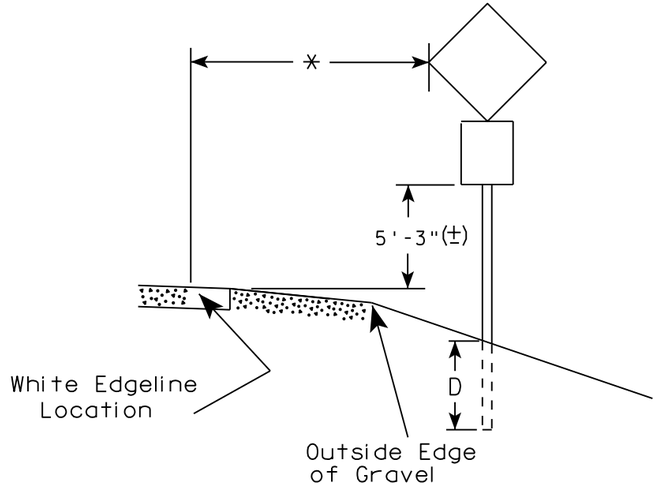
URBAN AREA



RURAL AREA (See Note 2)







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

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

POST EMBEDMENT DEPTH

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

GENERAL NOTES

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

TYPICAL INSTALLATION OF PERMANENT TYPE II SIGNS ON SINGLE POSTS

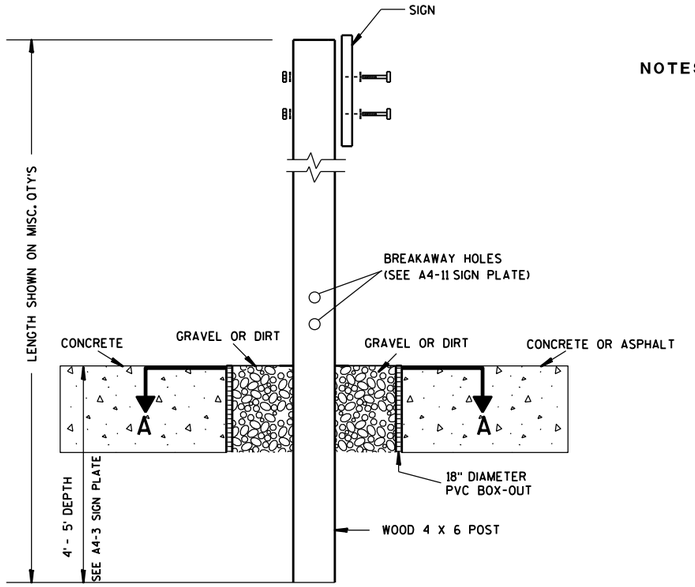
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 8/21/17 PLATE NO. A4-3.21

7 7

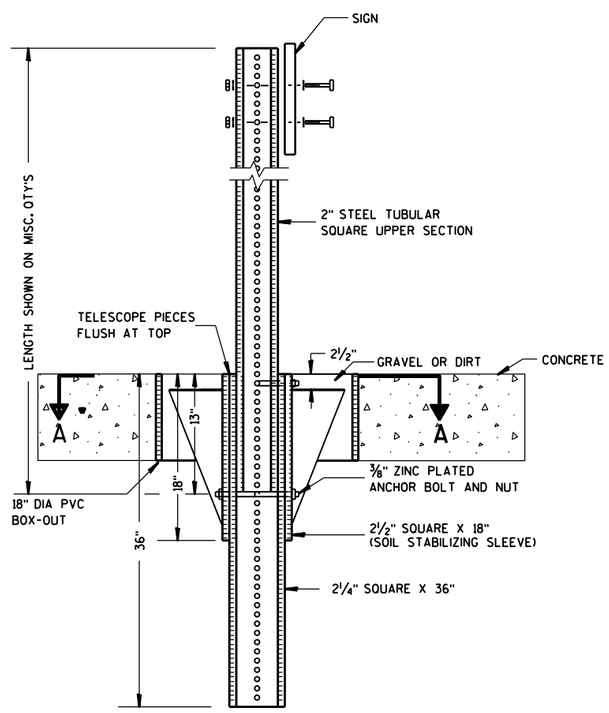
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 325	E



ELEVATION VIEW

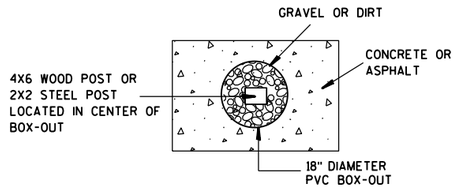
DETAIL OF WOOD 4 X 6 SIGN POST IN BOX-OUT

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



ELEVATION VIEW

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



PLAN VIEW

FOR NEW CONCRETE/ASPHALT INSTALLATIONS

SIGN POST BOX-OUTS A4-3B

WISCONSIN DEPT OF TRANSPORTATION

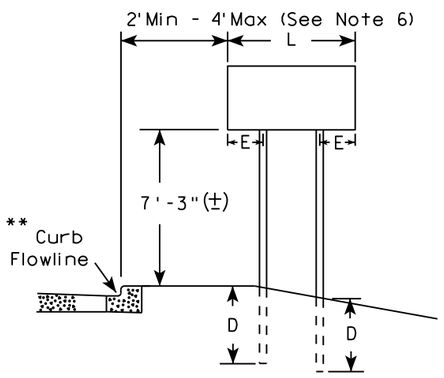
APPROVED Matthew R Rauch
for State Traffic Engineer

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

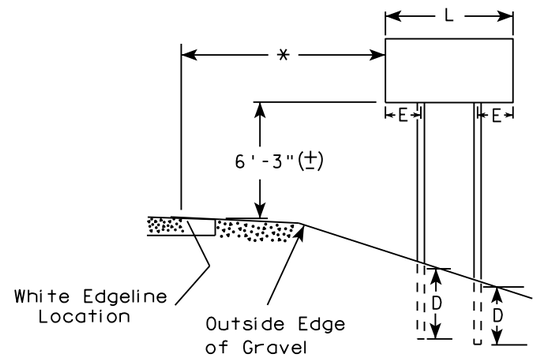
PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

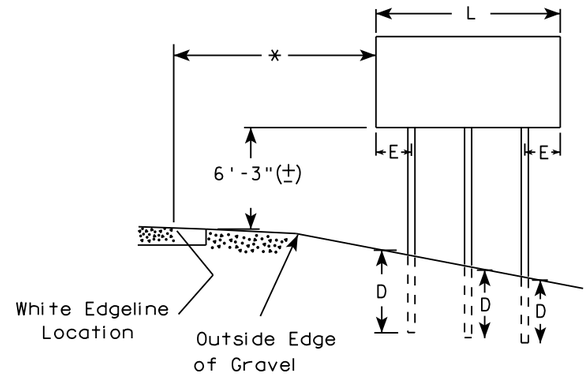
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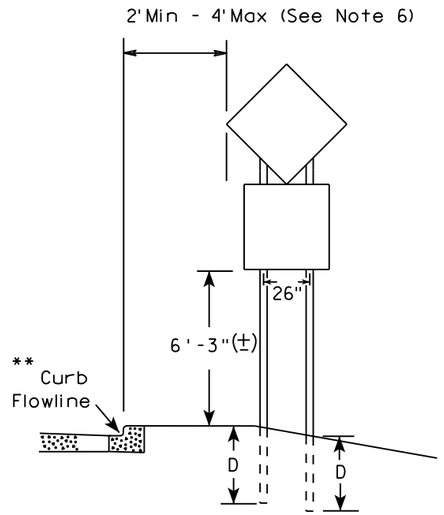
URBAN AREA



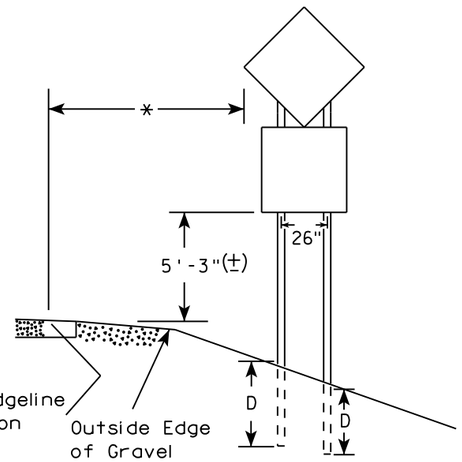
RURAL AREA (See Note 3)







48" DIAMOND WARNING SIGN



48" DIAMOND WARNING SIGN

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

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

GENERAL NOTES

1. For 3 or 4 post installations, individual post spacing shall be greater than 3'-6".
2. See tables below for required number of posts.
3. For expressways and freeways, mounting height is 7'-3" (±) or 6'-3" (±) depending upon existence of sub-sign.
4. The (±) tolerance for mounting height is 3 inches.
5. J-Assemblies are considered to be one sign for mounting height.
6. Offset distance shall be consistent with existing signs or consistent throughout length of project.
7. Folding signs shall be mounted at a height of 5'-3" (±) or as directed by the engineer.
8. The Double Arrow sign (W12-1) shall be mounted at a height of 2'-3" (±). The Chevron sign (W1-8), Roundabout Chevron panel (R6-4B), Clearance Markers (W5-52), Mile Markers (D10 series), In Road Object Markers (W5-54) & End of Road Markers (W5-56) shall be mounted at a height of 4"-3" (±).

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

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

*** See A4-3 sign plate for signs 4' or less in width and less than 20 S.F. in area.

POST EMBEDMENT DEPTH

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

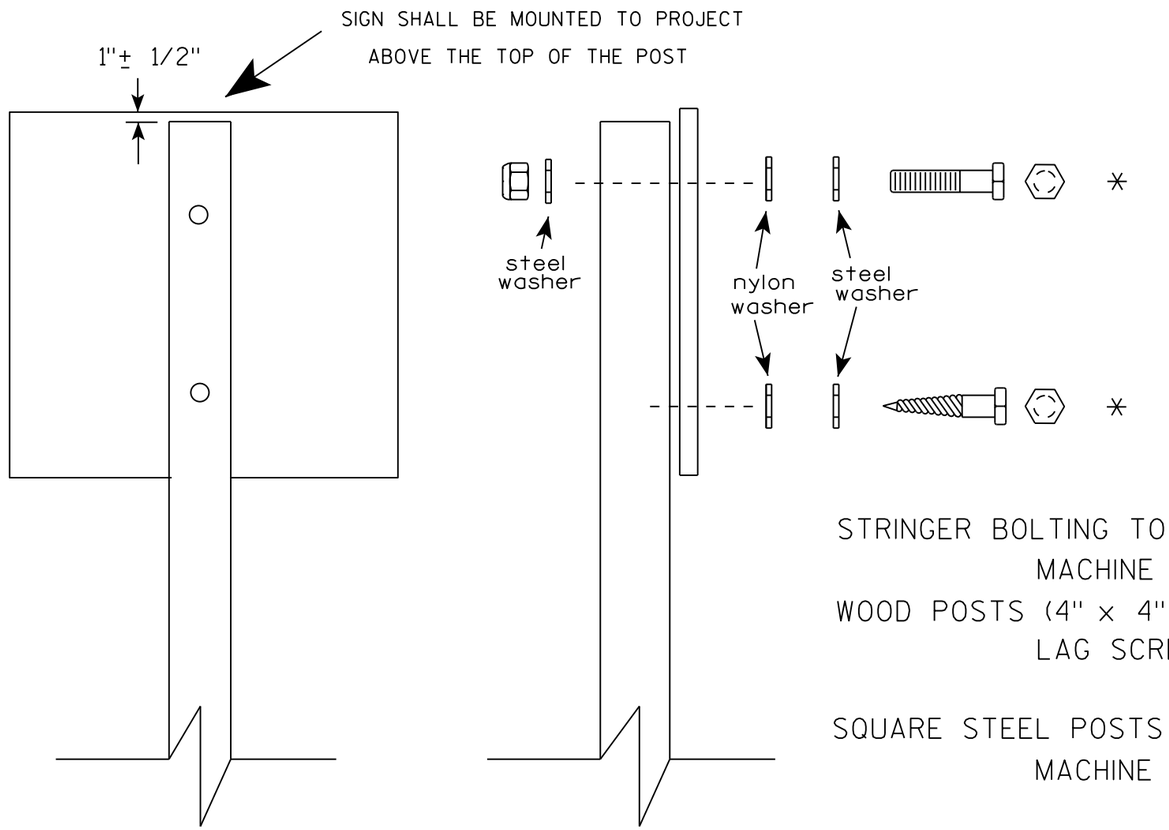
TYPICAL INSTALLATION OF TYPE II SIGNS ON MULTIPLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 8/21/17 PLATE NO. A4-4.15

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 327	E



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

a. Hot dip galvanized in accordance with ASTM Designation: A 153, Class D, or SC 3

b. Electro-galvanized in accordance with ASTM Designation : B 633, TYPE III, SC 3.

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

STRINGER BOLTING TO ALUMINUM SIGNS (SEE SIGN PLATE A4-18)

MACHINE BOLTS - 5/16" X 1-3/4" Length w/ lock nuts

WOOD POSTS (4" x 4" or 4" x 6")

LAG SCREWS - 3/8" X 3" (NO STRINGERS ON BACK OF SIGN)

3/8" X 4" (STRINGERS ON BACK OF SIGN)

SQUARE STEEL POSTS (2" x 2")

MACHINE BOLTS - 3/8" X 3-1/4" Length w/ nuts (NO STRINGER ON BACK OF SIGN)

3/8" X 5" Length w/ nuts (STRINGERS ON BACK OF SIGN)

RIVETS - 9/32 " (6605-9-6) BULB-TITE, TRI-FOLD, ALUMINUM BODY/MANDREL O.D. FLANGE .720-.765 INCH, GRIP RANGE .042-.375 INCH

WASHERS (ALL POSTS) -

1-1/4" O.D. X 3/8" I.D. X 1/16" STEEL

1-1/4" O.D. X 3/8" I.D. X .080 NYLON

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

ATTACHMENT OF SIGNS TO POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
For State Traffic Engineer

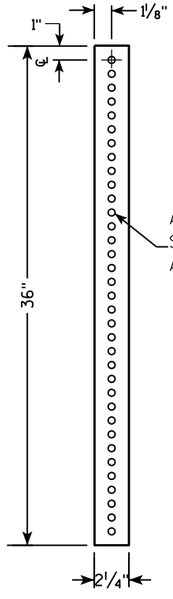
DATE 8/11/16 PLATE NO. A4-8.8

PROJECT NO: SHEET NO: E

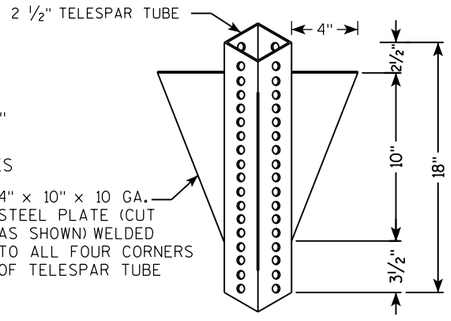
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TELESCOPIC TUBING ANCHORS
TWO PIECE SYSTEM

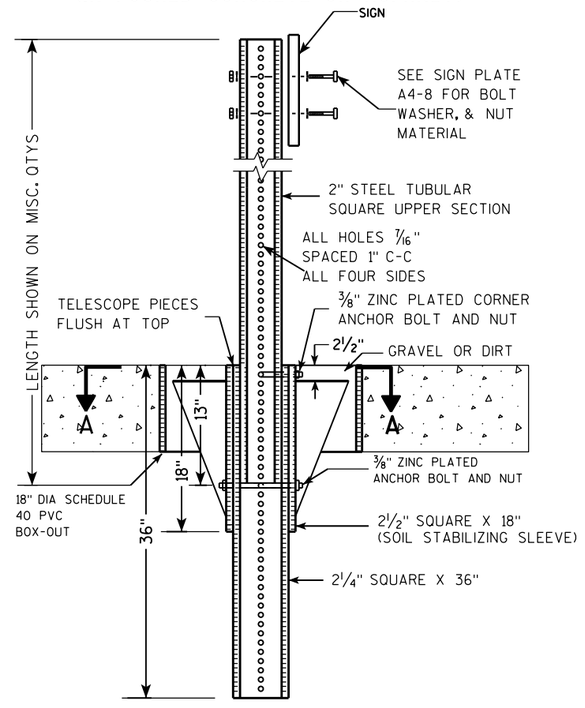
2 1/4 " SQUARE
12 GAUGE
PERFORATED
GALVANIZED FINISH



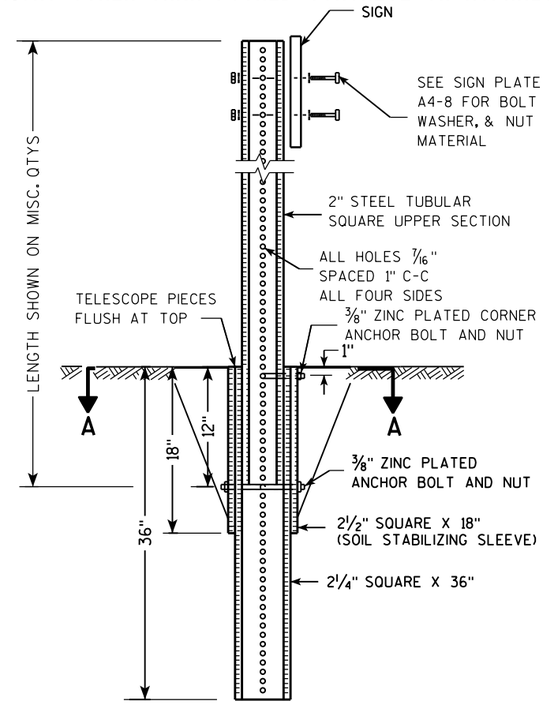
2 1/2 " SQUARE
12 GAUGE
OMNI-DIRECTIONAL
PERFORATED
SOIL STABILIZING SLEEVE
GALVANIZED FINISH

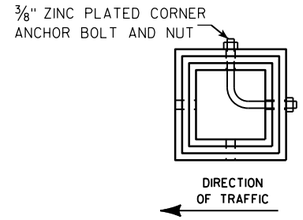


DETAIL OF TUBULAR STEEL SIGN POST
(IN POURED CONCRETE OR ASPHALT)



DETAIL OF TUBULAR STEEL SIGN POST
(IN LOCATIONS OTHER THAN POURED CONCRETE OR ASPHALT)





SECTION A-A

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

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

TUBULAR STEEL
SIGN POST
A4-9

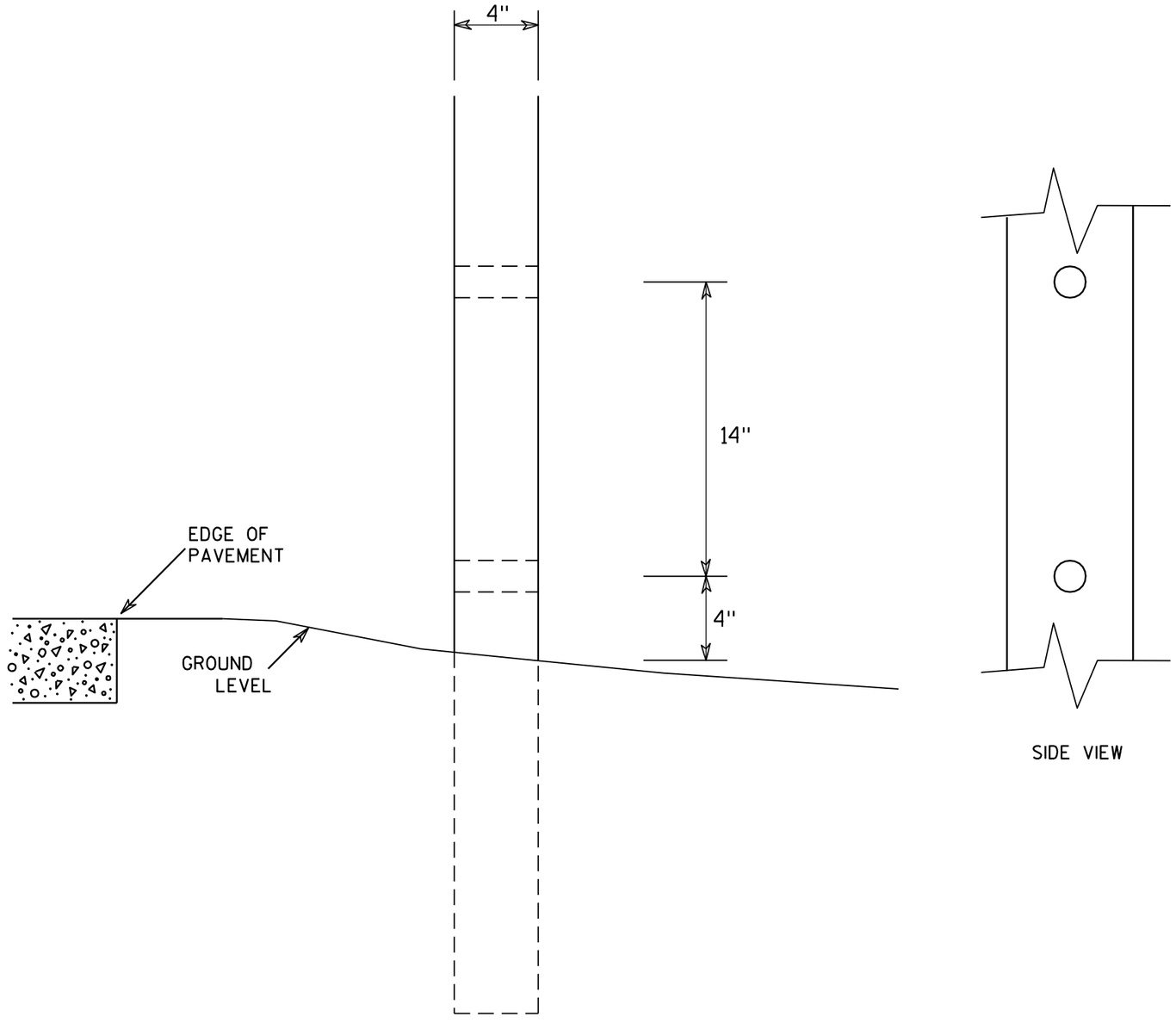
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/05/15 PLATE A4-9.9

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\A49.DGN PLOT DATE : 05-FEB-2015 17:09 PLOT BY : mscsja PLOT NAME : PLOT SCALE : 13.659812:1.000000
WISDOT/CADDS SHEET 42



SIDE VIEW

GENERAL NOTES

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

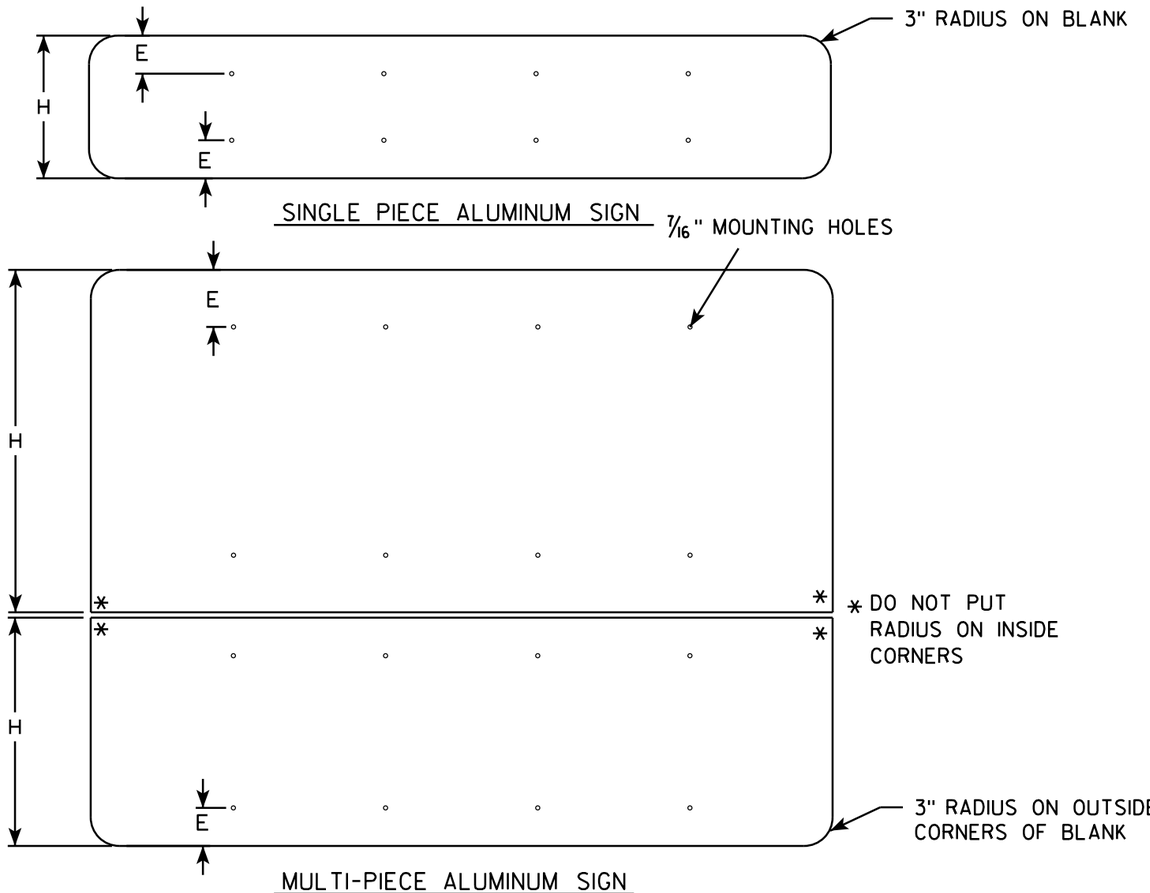
4 X 6 WOOD POST MODIFICATIONS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Chester J Spang for State Traffic Engineer

DATE 3/27/97 PLATE NO. A4-11.2

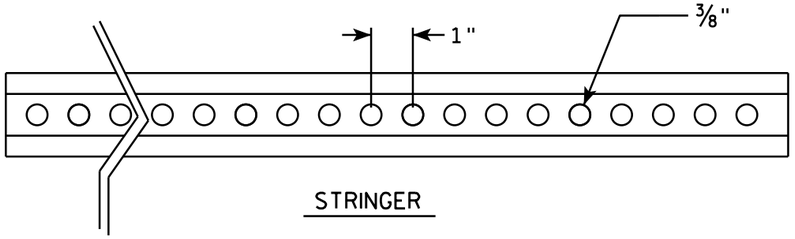
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 330	E



GENERAL NOTES

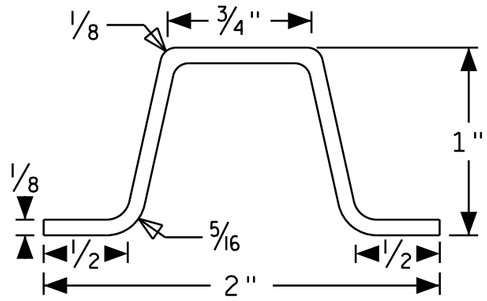
- ALL SIGNS OVER 60" IN WIDTH SHALL HAVE A 3" RADIUS ON THE OUTSIDE CORNERS OF THE ALUMINUM BLANK.
- MOUNTING HOLES SHALL BE 7/16" DIAMETER.
- SEE CHART FOR HOLE SPACING REQUIREMENTS
- FOR SIGN PANELS WITH DIMENSION (H) 36" AND OVER, DIMENSION E SHALL BE 6"
- FOR SIGN PANELS WITH DIMENSION (H) UNDER 36", DIMENSION E SHALL BE 4"
- SIGN STRINGER MATERIAL SHALL CONSIST OF STEEL CHANNEL POST SECTIONS, WEIGHING 1.12 LBS/FT IN ACCORDANCE WITH SECTION 633.2.1 OF THE STANDARD SPECIFICATIONS FOR HIGHWAY AND STRUCTURE CONSTRUCTION.
- SEE SIGN PLATE A4-8 FOR SIGN STRINGER BOLTING REQUIREMENTS.

SIGN WIDTH	STRINGER WIDTH	POSTS	HOLE SPACING	MOUNTING HOLES
78"	72"	2	16"	15" 31" 47" 63"
84"	72"	2	17"	16½" 33½" 50½" 67½"
90"	72"	2	18"	18" 36" 54" 72"
96"	90"	2	19"	19½" 38½" 57½" 76½"
102"	90"	2	20"	21" 41" 61" 81"
108"	90"	2	21"	22½" 43½" 64½" 85½"
114"	108"	3	15"	12" 27" 42" 57" 72" 87" 102"
120"	108"	3	16"	12" 28" 44" 60" 76" 92" 108"
126"	108"	3	17"	12" 29" 46" 63" 80" 97" 114"
132"	126"	3	18"	12" 30" 48" 66" 84" 102" 120"
138"	126"	3	19"	12" 31" 50" 69" 88" 107" 126"
144"	126"	3	20"	12" 32" 52" 72" 92" 112" 132"

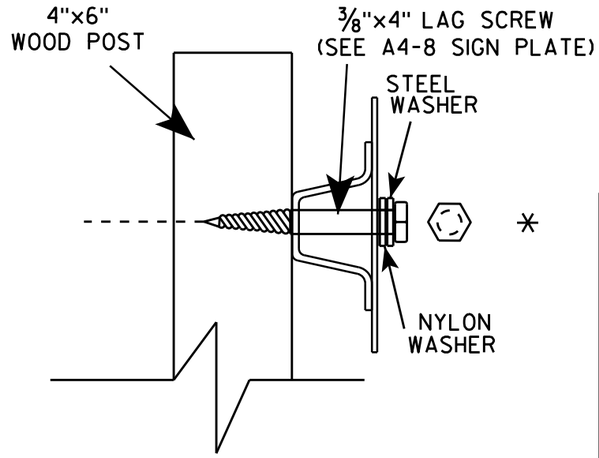


STRINGER

CROSS SECTION VIEW OF CHANNEL



POST MOUNTING



SIGN STRINGER MOUNTING REQUIREMENTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch

for State Traffic Engineer

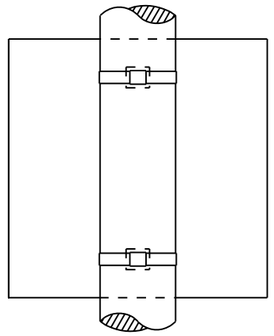
DATE 4/26/16 PLATE NO A4-18.1

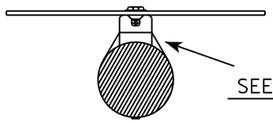
PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\A418.dgn PLOT DATE : 27-APR-2016 13:56 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 41.805205:1.000000 WISDOT/CADDS SHEET 42

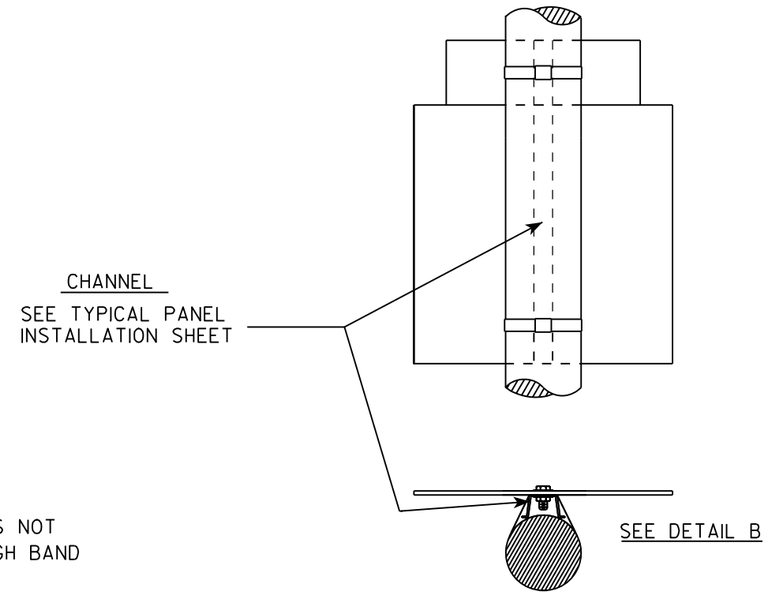
BANDING

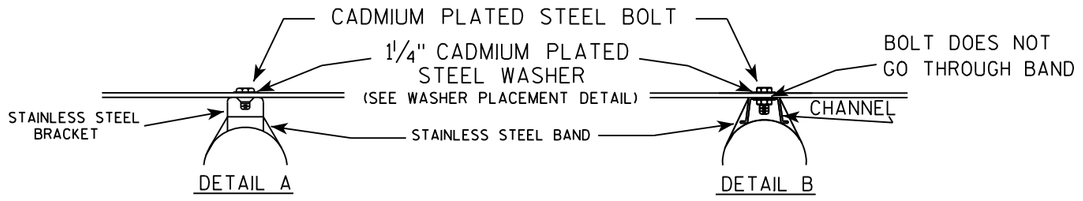
SINGLE SIGN



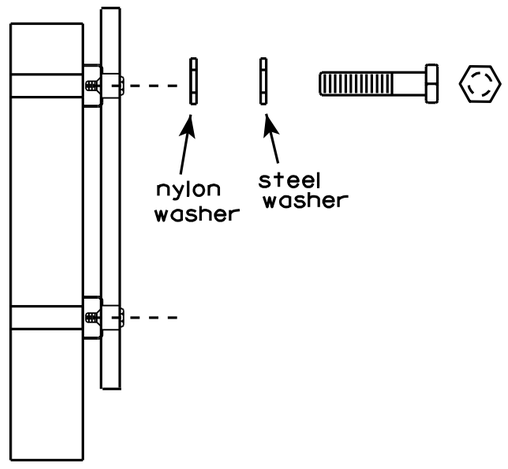


"J" ASSEMBLY





WASHER PLACEMENT



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

GENERAL NOTES

1. Any sign over 3 feet in width shall use the V-Block banding method. See A5-10 standard plate.
2. Signs 3 feet or greater in height shall have three bracket bands installed. Signs less than 3 feet in height shall have two bracket bands installed.
3. Banding and assembly bracket shall be stainless steel. All bands shall be ¾" in width and 0.025" thickness.

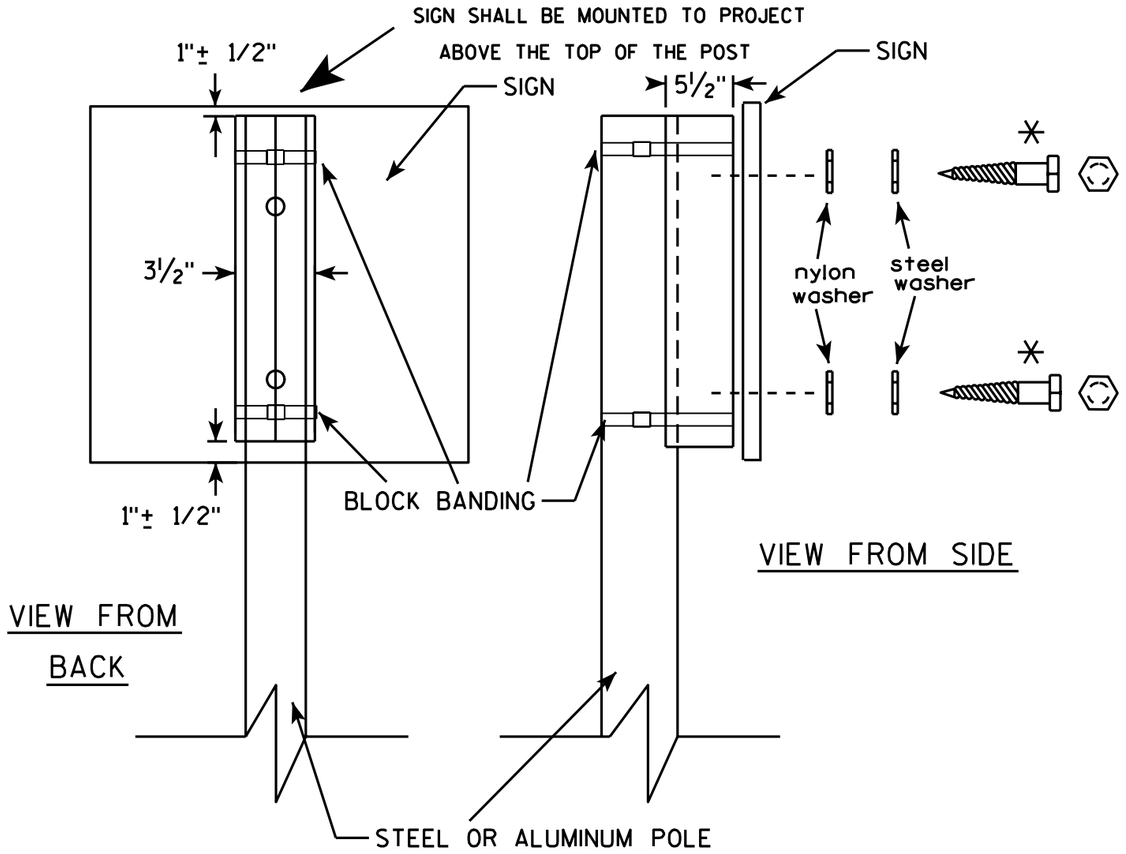
STANDARD SIGN
SIGN BANDING DETAILS

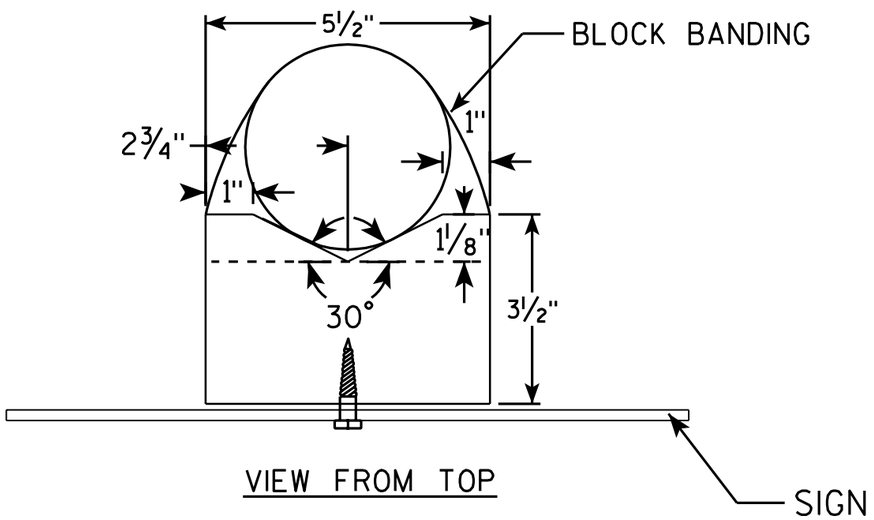
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 8/16/13 PLATE NO. A5-9.3

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 332	E





GENERAL NOTES

1. WOOD 4"X6" POST MATERIAL SHALL CONFORM TO 507.2.2 OF THE WisDOT STANDARD SPECIFICATIONS
2. BLOCK BANDING AND CLIPS SHALL BE STAINLESS STEEL, ¾" WIDTH AND 0.025" THICKNESS
3. SIGNS 3' OR GREATER IN HEIGHT SHALL UTILIZE 3 BLOCK BANDS. SIGNS UNDER 3' IN HEIGHT SHALL UTILIZE 2 BLOCK BANDS
4. ACTUAL NUMBER OF FASTENERS PER SIGN VARIES WITH THE SIGN AREA, BUT NORNALLY THERE ARE TWO. FOR SIGNS GREATER THAN 9 S.F. 3 FASTENERS SHALL BE USED.
5. ALL SIGN MOUNTING BOLTS AND WASHERS SHALL BE EITHER:
   a. Hot dip or mechanically galvanized in accordance with ASTM Designation: A 153, Class D, or
   b. Cadmium plated in accordance with ASTM Designation : B 766 TYPE 3, Class 12, or
   c. Electro-galvanized in accordance with ASTM Designation : B 633, TYPE III, SC 3.
6. ALL BOLTS SHALL HAVE HEXAGONAL HEADS.
7. STEEL WASHERS SHALL BE 1¼" O.D. X ⅜" I.D. X 1/16"
8. NYLON WASHERS SHALL BE 1¼" O.D. X ⅜" I.D. X .080 FOR TYPE H OR TYPE F FACE SIGN

✳ LAG BOLTS SHALL BE ⅜" X 2½"

BLOCK BANDING DETAIL (V-BLOCK OPTION)

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

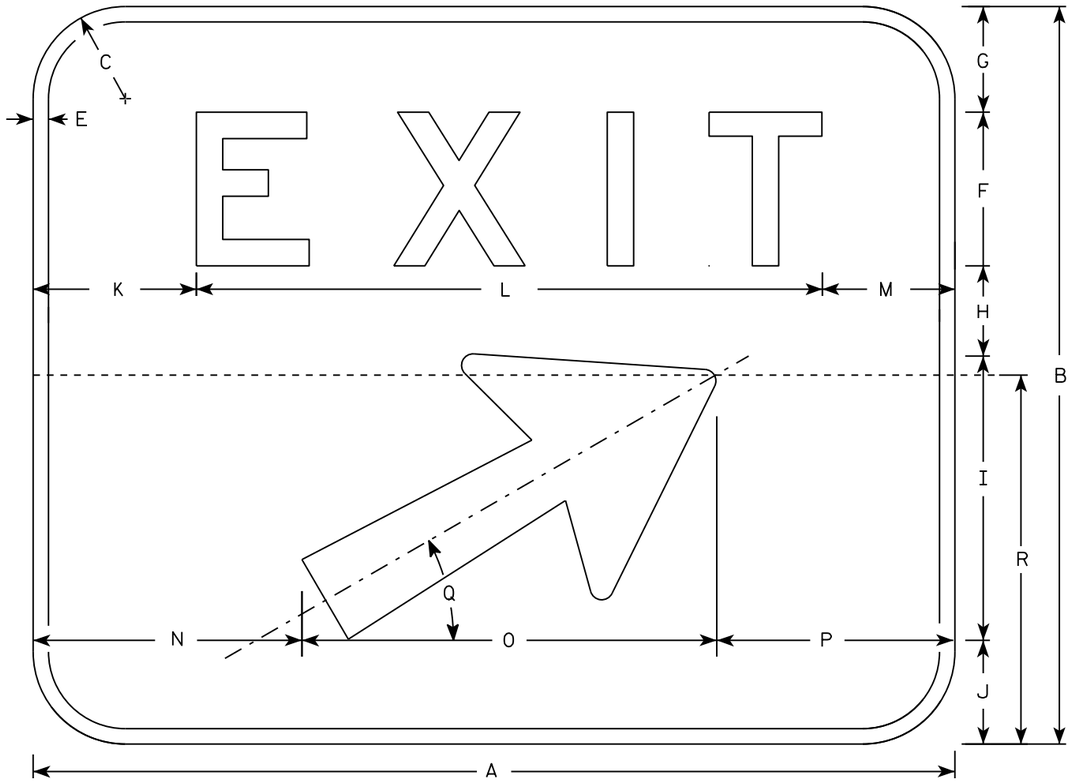
DATE 7/12/07 PLATE NO. A5-10.1

PROJECT NO:

SHEET NO: 333 E

FILE NAME : C:\Users\Projects\tr_stdplate\A510.dgn PLOT DATE : 06-AUG-2007 13:37 PLOT BY : ditjph

WISDOT/CADDS SHEET 42



E5-1

NOTES

1. Sign is Type II - Type H reflective
2. Color:
   Background - Green
   Message - White
3. Message Series - E
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. When Base material for this sign is plywood sign shall be split into two seperate pieces for the 72 x 60 size as shown on the detail by the dashed line (----------).
6. Arrow is Type "A" from sign plate A1-1.
7. As per the Standard Spec's, this sign shall not have a vertical joint.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2																											
3																											
4	60	48	6		1	10	6 7/8	5 7/8	18 1/2	6 3/4	10 5/8	40 3/4	8 5/8	17 1/2	27	15 1/2	30°	30									20.0
5	72	60	6		1	12	9 3/4	10	18 1/2	9 3/4	13 1/4	48 1/2	10 1/4	23 1/2	27	21 1/2	30°	30									30.0

STANDARD SIGN
E5 - 1

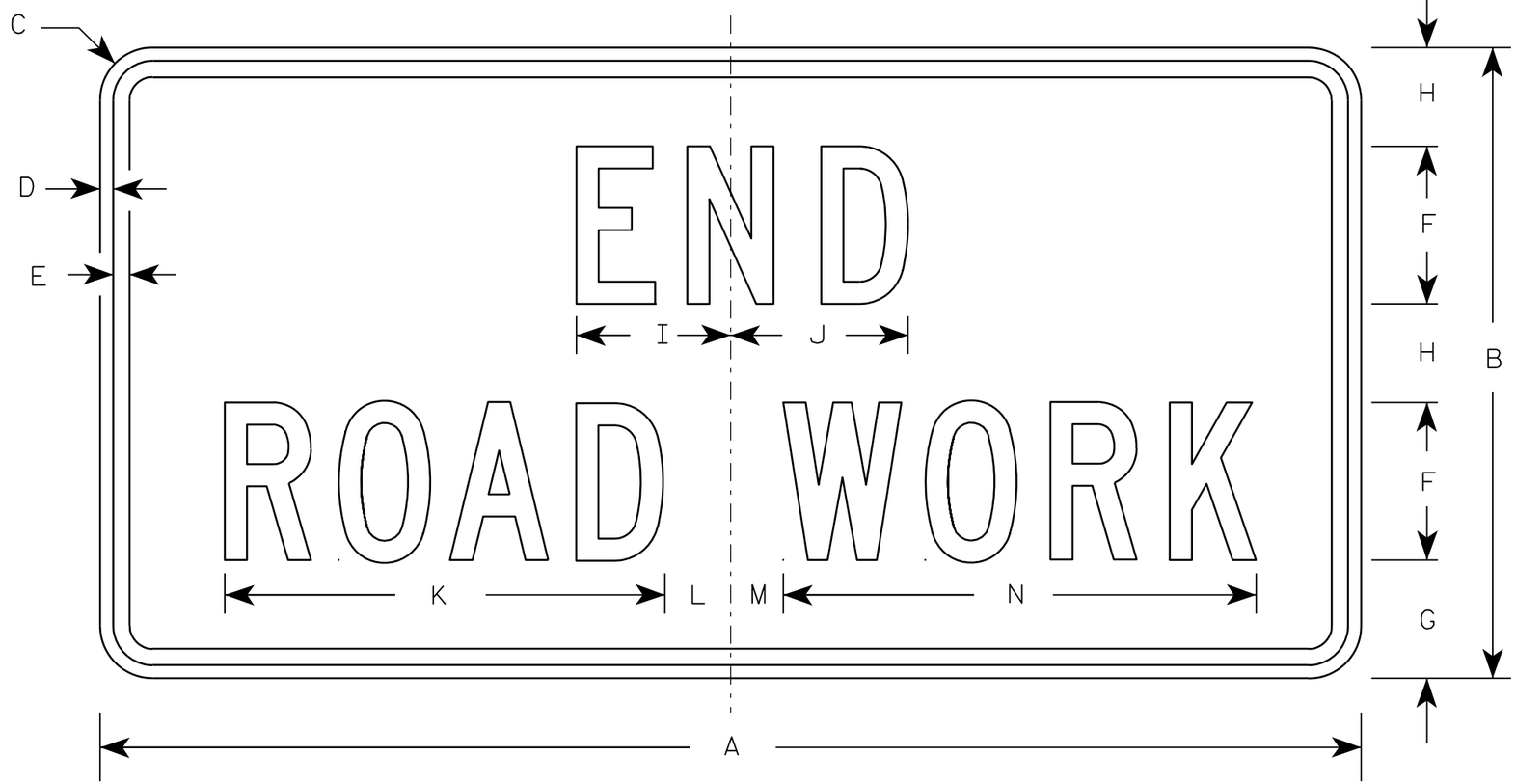
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/21/17 PLATE NO. E5-1.9

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 334 | E

7



G20-2A

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

Metric equivalent for this sign is:

SIZE	
1	900 mm X 450 mm
2	1200 mm X 600 mm
3	1200 mm X 600 mm
4	1200 mm X 600 mm
5	1200 mm X 600 mm

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.	Area m2
1	36	18	1 1/8	3/8	1/2	4	3 3/4	2 1/2	4 1/8	4 1/8	11 1/8	2	1	12 1/8													4.5	0.41
2	48	24	1 1/2	1/2	5/8	6	4 1/2	3 3/4	5 7/8	6 3/4	16 3/4	2 1/2	1 3/4	18 1/2													8.0	0.72
3	48	24	1 1/2	1/2	5/8	6	4 1/2	3 3/4	5 7/8	6 3/4	16 3/4	2 1/2	1 3/4	18 1/2													8.0	0.72
4	48	24	1 1/2	1/2	5/8	6	4 1/2	3 3/4	5 7/8	6 3/4	16 3/4	2 1/2	1 3/4	18 1/2													8.0	0.72
5	48	24	1 1/2	1/2	5/8	6	4 1/2	3 3/4	5 7/8	6 3/4	16 3/4	2 1/2	1 3/4	18 1/2													8.0	0.72

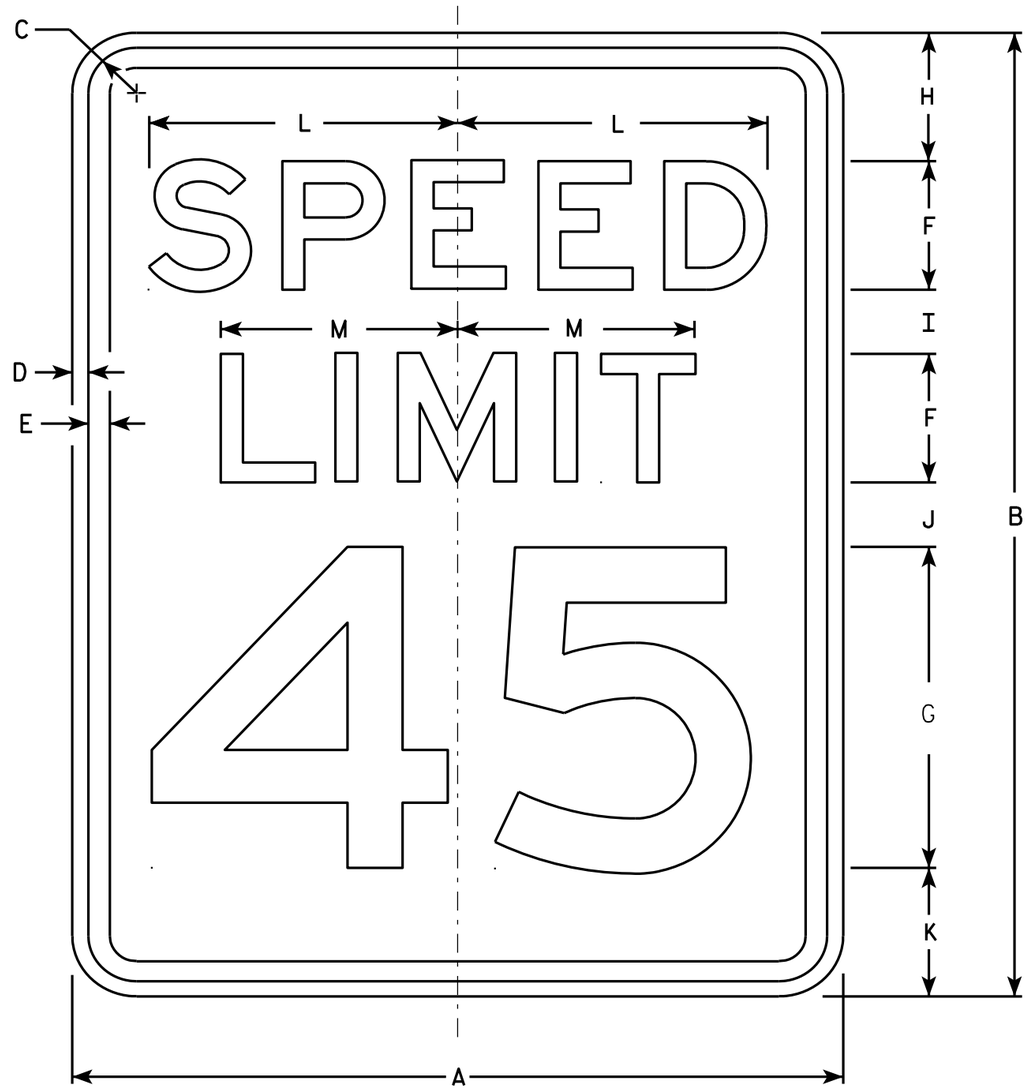
STANDARD SIGN
G20-2A

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 9/30/09 PLATE NO. G20-2A.8

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 335	E



R2-1

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - E
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Substitute appropriate numerals and optically adjust spacing to achieve proper balance.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	18	24	1 1/8	3/8	1/2	3	8	3	2	2	3	7 1/4	5 1/2														3.0
2S	24	30	1 1/8	3/8	1/2	4	10	3	2 1/4	3 3/8	3 3/8	9 5/8	7 3/8														5.0
2M	30	36	1 3/8	1/2	5/8	5	12	5	2 1/2	2 1/2	4	12	9 1/4														7.5
3	36	48	1 3/8	1/2	5/8	6	14	6	5	5	6	14 3/8	11														12.0
4	36	48	1 3/8	1/2	5/8	6	14	6	5	5	6	14 3/8	11														12.0
5	48	60	2 1/4	3/4	1	8	20	6	4 1/2	6 3/4	6 3/4	19 1/4	14 5/8														20.0

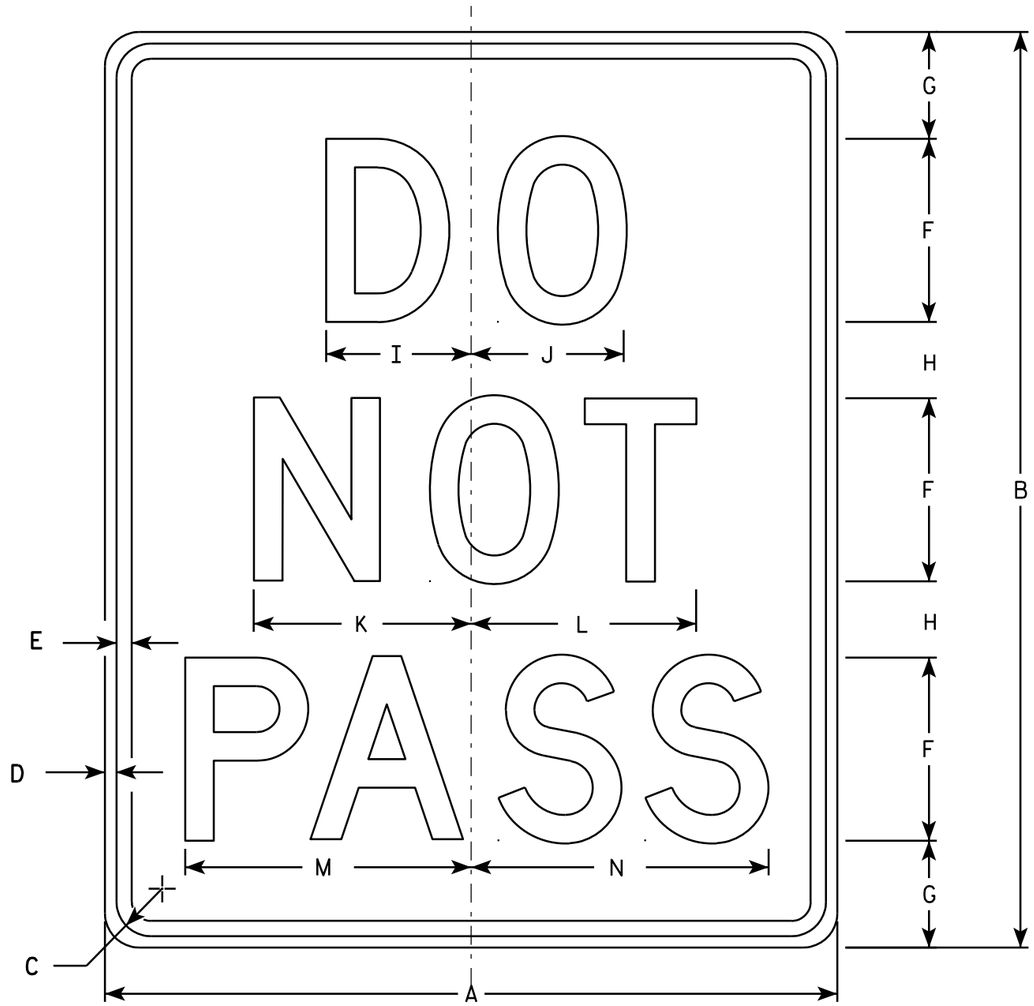
STANDARD SIGN
R2-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/26/10 PLATE NO. R2-1.13

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 336 | E



R4-1

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	18	24	1 1/8	3/8	1/2	4	3 1/2	2 1/2	3 1/8	3 1/4	4 3/4	4 7/8	6 1/4	6 1/2													3.0
2S	24	30	1 1/8	3/8	1/2	6	3 1/2	2 1/2	4 3/4	5	7 1/8	7 3/8	9 3/8	9 3/4													5.0
2M	24	30	1 1/8	3/8	1/2	6	3 1/2	2 1/2	4 3/4	5	7 1/8	7 3/8	9 3/8	9 3/4													5.0
3																											
4	36	48	1 5/8	5/8	3/4	8	7	5	6 1/4	6 5/8	9 1/2	9 3/4	12 1/2	13													12.0
5	48	60	2 1/4	3/4	1	10	8	7	7 3/4	8 3/8	11 7/8	12 1/4	15 5/8	16 1/4													20.0

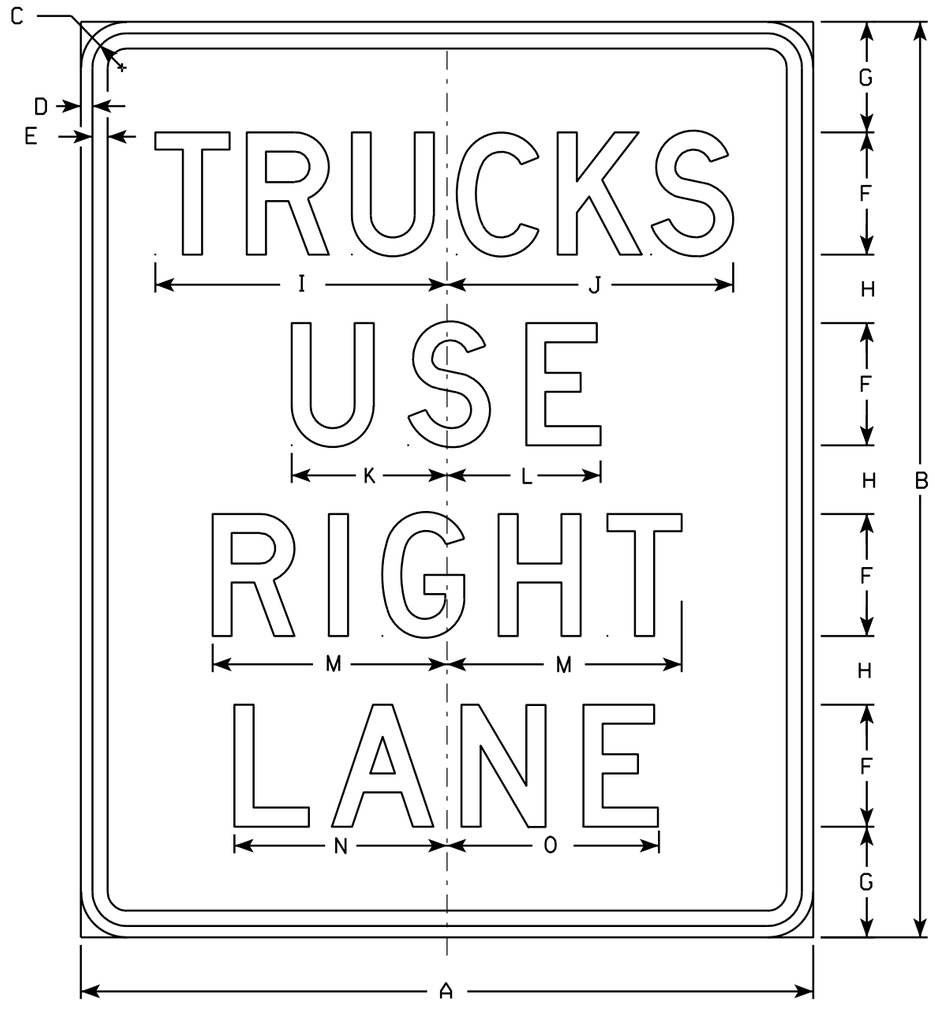
STANDARD SIGN
R4-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/25/2011 PLATE NO. R4-1.7

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 337 | E

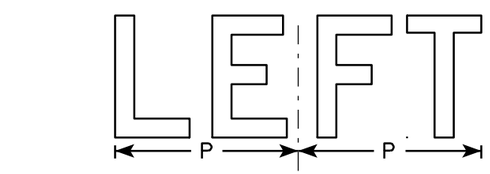


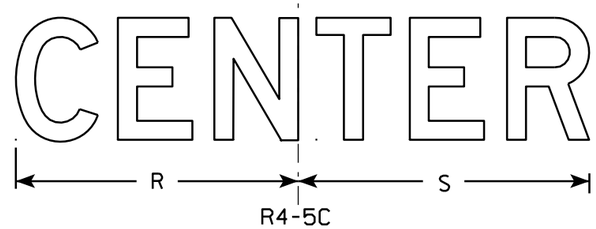
R4-5

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. R4-5L & R4-5C are the same as R4-5 except LEFT or CENTER replaces RIGHT as order by code.

R4-5L





R4-5C

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24	30	1 1/8	3/8	1/2	4	3 5/8	2 1/4	9 5/8	9 3/8	5 1/8	5 1/8	7 3/4	7 1/4	7	6		9 1/4	9 1/2								5.0
2M	24	30	1 1/8	3/8	1/2	4	3 5/8	2 1/4	9 5/8	9 3/8	5 1/8	5 1/8	7 3/4	7 1/4	7	6		9 1/4	9 1/2								5.0
3																											
4	36	48	2 1/4	5/8	3/4	6	6	4	14 3/8	14 1/8	7 7/8	7 7/8	12 1/4	10 3/4	10 1/2	9 5/8		13 7/8	14 1/4								12.0
5	48	60	2 1/4	3/4	1	8	7 1/4	4 1/2	19 1/8	18 3/4	10 1/4	10 1/8	15 3/8	14	13 7/8	12		18 1/2	19 1/8								20.0

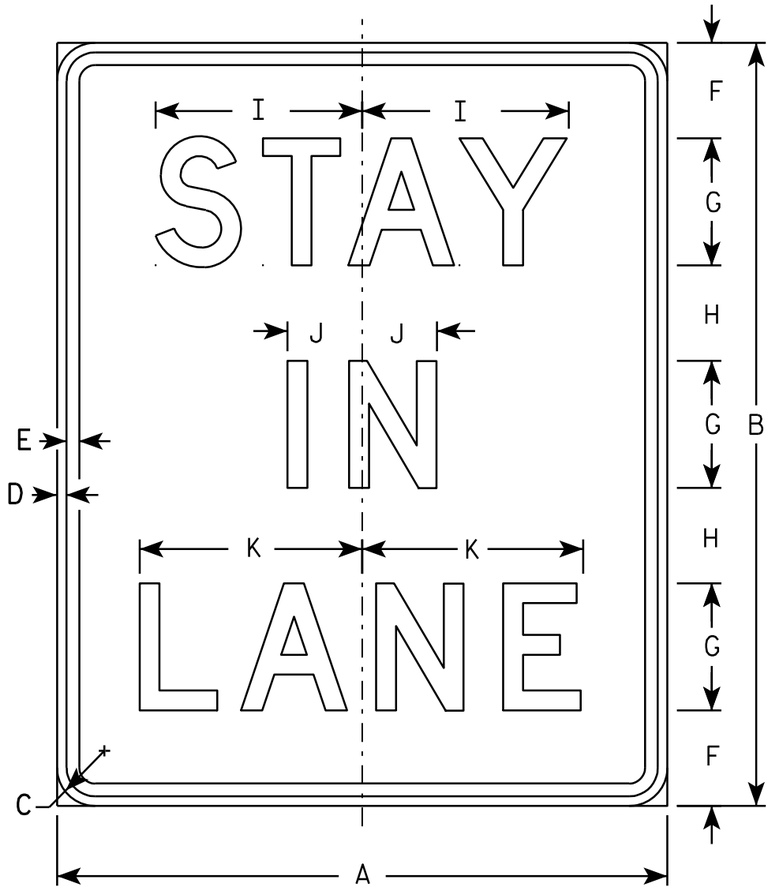
STANDARD SIGN
R4-5

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/25/2011 PLATE NO. R4-5.3

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 338 | E



R4-9

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - WHITE
   Message - BLACK
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	18	24	1 1/8	3/8	3/8	3	4	3	6 1/2	2 3/8	7																3.0
2S	24	30	1 1/8	3/8	1/2	3 5/8	5	3 7/8	8 1/8	3	8 3/4																5.0
2M	24	30	1 1/8	3/8	1/2	3 5/8	5	3 7/8	8 1/8	3	8 3/4																5.0
3	36	48	1 3/8	1/2	5/8	8 1/4	7	5 1/4	11 3/8	4 1/8	12 1/4																12.0
4	36	48	1 3/8	1/2	5/8	8 1/4	7	5 1/4	11 3/8	4 1/8	12 1/4																12.0
5	48	60	2 1/4	3/4	1	7 1/2	10	7 1/2	16 1/4	5 7/8	17 1/2																20.0

STANDARD SIGN
R4-9

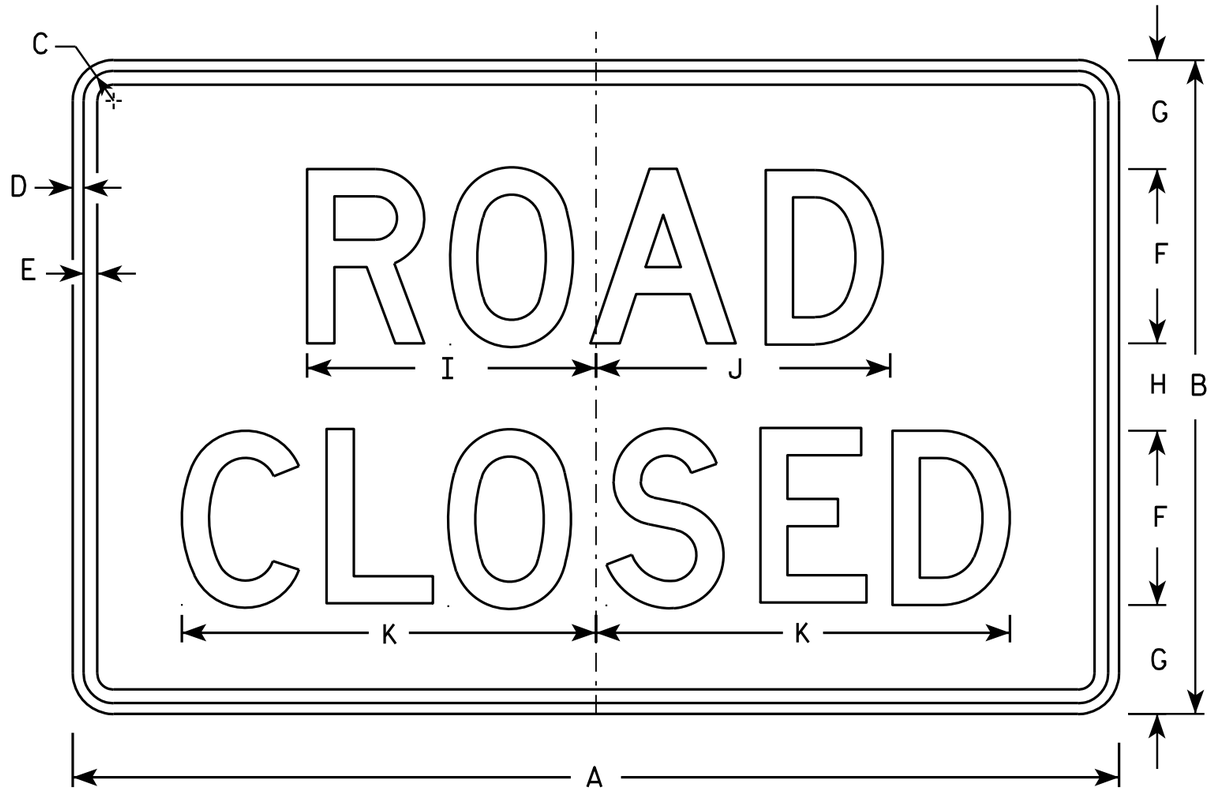
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/25/2011 PLATE NO. R4-9.2

PROJECT NO:

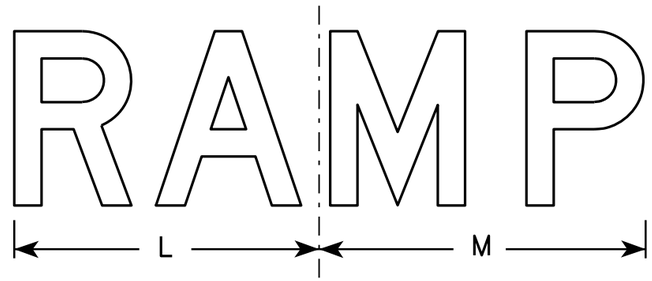
SHEET NO: 339 E



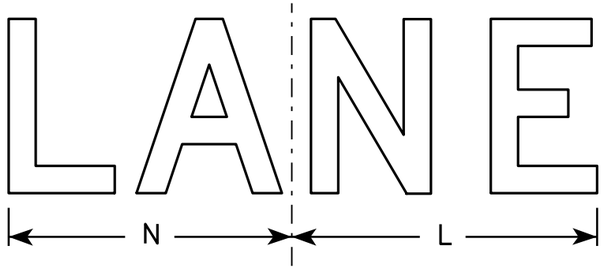
R11-2

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Modify the message as required.



R11-2R



R11-2L

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

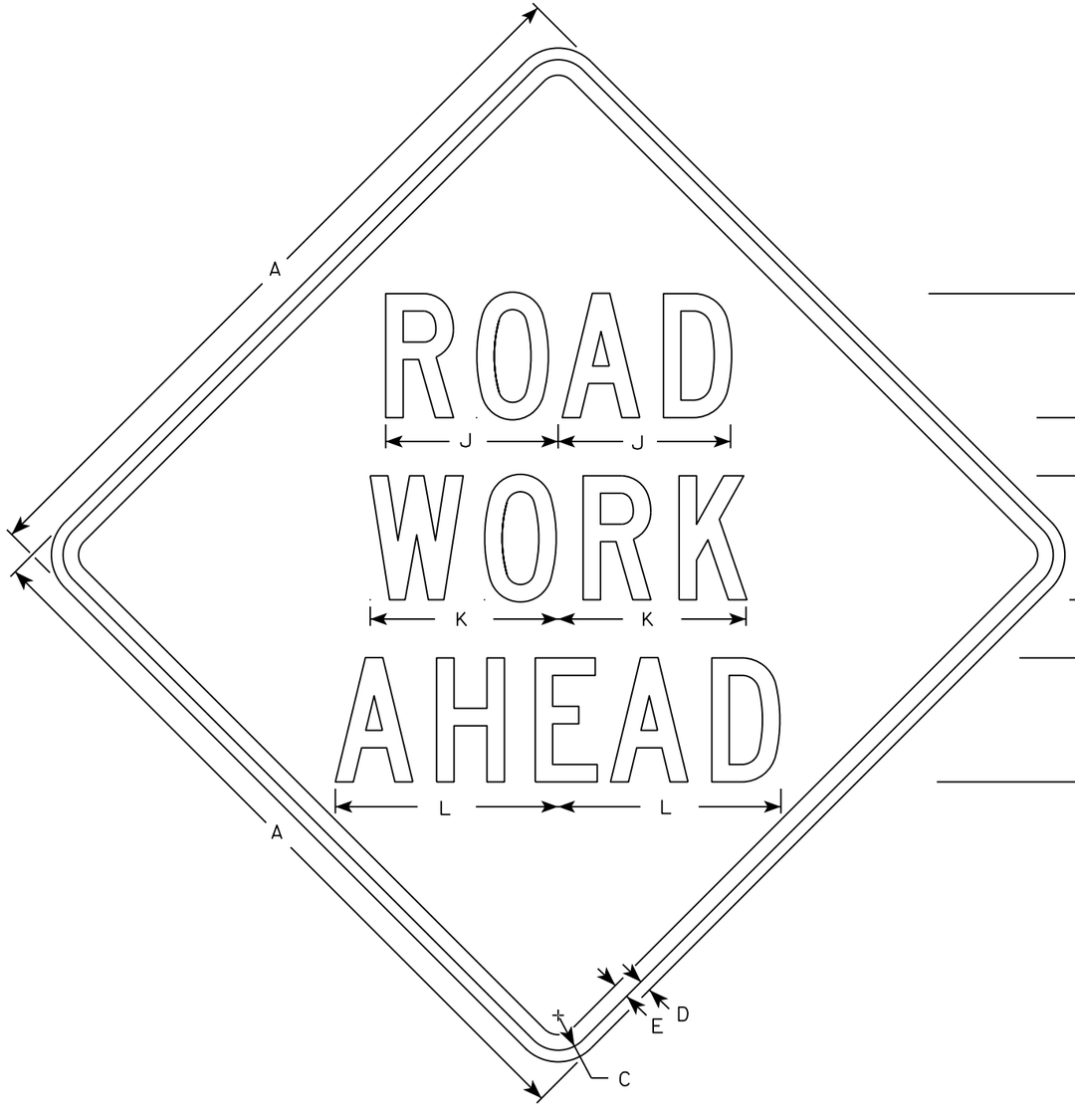
STANDARD SIGN
R11-2

WISCONSIN DEPT OF TRANSPORTATION

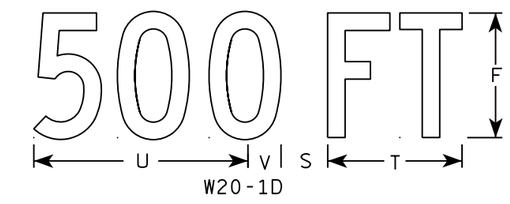
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 4/1/11 PLATE NO. R11-2.10

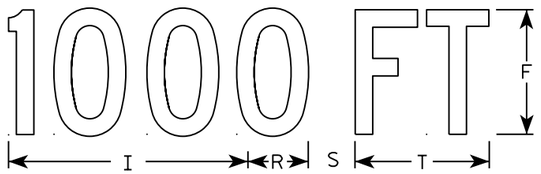
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 340	E



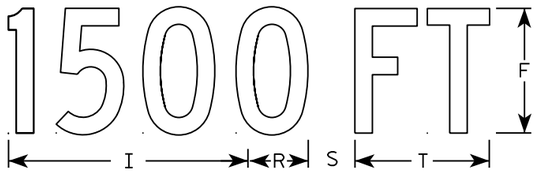
W20-1A



W20-1D



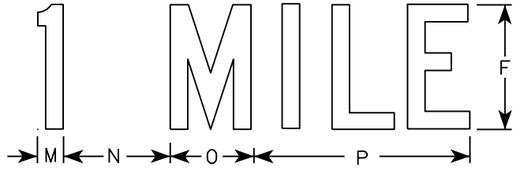
W20-1C



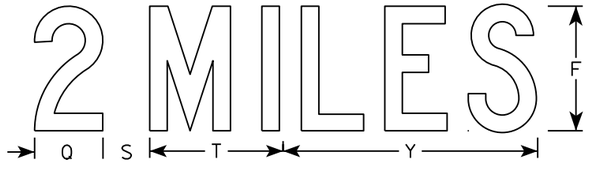
W20-1B



W20-1G



W20-1F



W20-1E

NOTES

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

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		1 3/8	1/2	5/8	5	2 5/8	3 1/4	10 1/8	7	7 5/8	8 7/8	1 1/8	4 1/2	3 1/2	9		2 1/2	2 1/4	5 5/8	9	1 3/8	8	1 3/4	10 3/4	6	9.0
2S	48		2 1/4	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 7/8	5 3/8	13 7/8	4 3/8	3 7/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0
2M	48		2 1/4	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 7/8	5 3/8	13 7/8	4 3/8	3 7/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0
3	48		2 1/4	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 7/8	5 3/8	13 7/8	4 3/8	3 7/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0
4	48		2 1/4	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 7/8	5 3/8	13 7/8	4 3/8	3 7/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0
5	48		2 1/4	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 7/8	5 3/8	13 7/8	4 3/8	3 7/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0

STANDARD SIGN
W20-1A, B, C, D, F & G

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/07/15 PLATE NO. W20-1.10

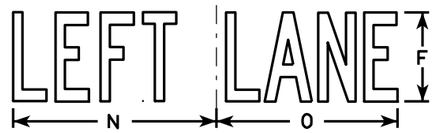
PROJECT NO:

SHEET NO: E

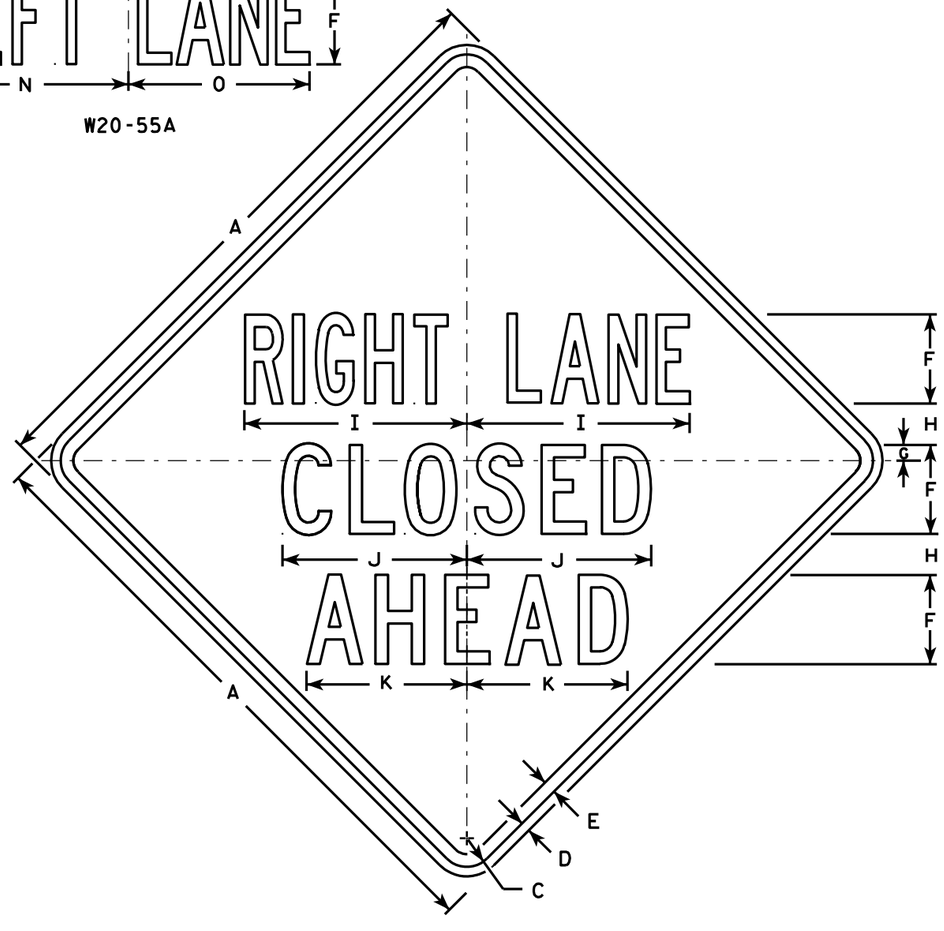
FILE NAME : C:\CAEfiles\Projects\tr_stdplate\W201.DGN PLOT DATE : 01-DEC-2015 18:24 PLOT BY : $$ plotuser $$



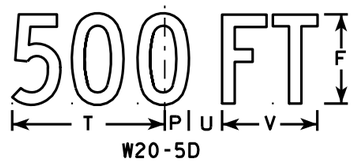
W20-56A



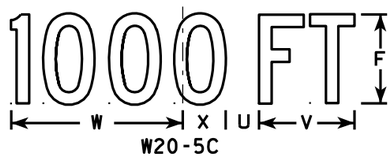
W20-55A



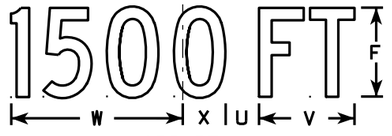
W20-5A



W20-5D



W20-5C



W20-5B



W20-5G



W20-5F

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Message Series - See Note 5
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. " _____ LANE" is Series B.
   All other copy is Series C.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36	6	1 5/8	5/8	3/4	5	1/8	2 1/2	13 1/8	10 3/4	9 1/2	14 1/4	13 5/8	12	12	1 3/8	1 1/8	4 1/2	3 1/2	9	1 1/8	5 5/8	10 1/8	2 1/2	1 3/4	8	9.0
2S	48	8	2 1/4	3/4	1	7	1 1/4	3 1/4	17 1/2	14 3/8	12 5/8	19	18 3/8	16	14 1/4	1 7/8	1 1/2	6	4 5/8	12	2 5/8	7 1/2	13 1/2	3 3/8	2 3/8	10 5/8	16.0
2M	48	8	2 1/4	3/4	1	7	1 1/4	3 1/4	17 1/2	14 3/8	12 5/8	19	18 3/8	16	14 1/4	1 7/8	1 1/2	6	4 5/8	12	2 5/8	7 1/2	13 1/2	3 3/8	2 3/8	10 5/8	16.0
3	48	8	2 1/4	3/4	1	7	1 1/4	3 1/4	17 1/2	14 3/8	12 5/8	19	18 3/8	16	14 1/4	1 7/8	1 1/2	6	4 5/8	12	2 5/8	7 1/2	13 1/2	3 3/8	2 3/8	10 5/8	16.0
4	48	8	2 1/4	3/4	1	7	1 1/4	3 1/4	17 1/2	14 3/8	12 5/8	19	18 3/8	16	14 1/4	1 7/8	1 1/2	6	4 5/8	12	2 5/8	7 1/2	13 1/2	3 3/8	2 3/8	10 5/8	16.0
5	48	8	2 1/4	3/4	1	7	1 1/4	3 1/4	17 1/2	14 3/8	12 5/8	19	18 3/8	16	14 1/4	1 7/8	1 1/2	6	4 5/8	12	2 5/8	7 1/2	13 1/2	3 3/8	2 3/8	10 5/8	16.0

STANDARD SIGN
W20-5A, B, C, D, F & G

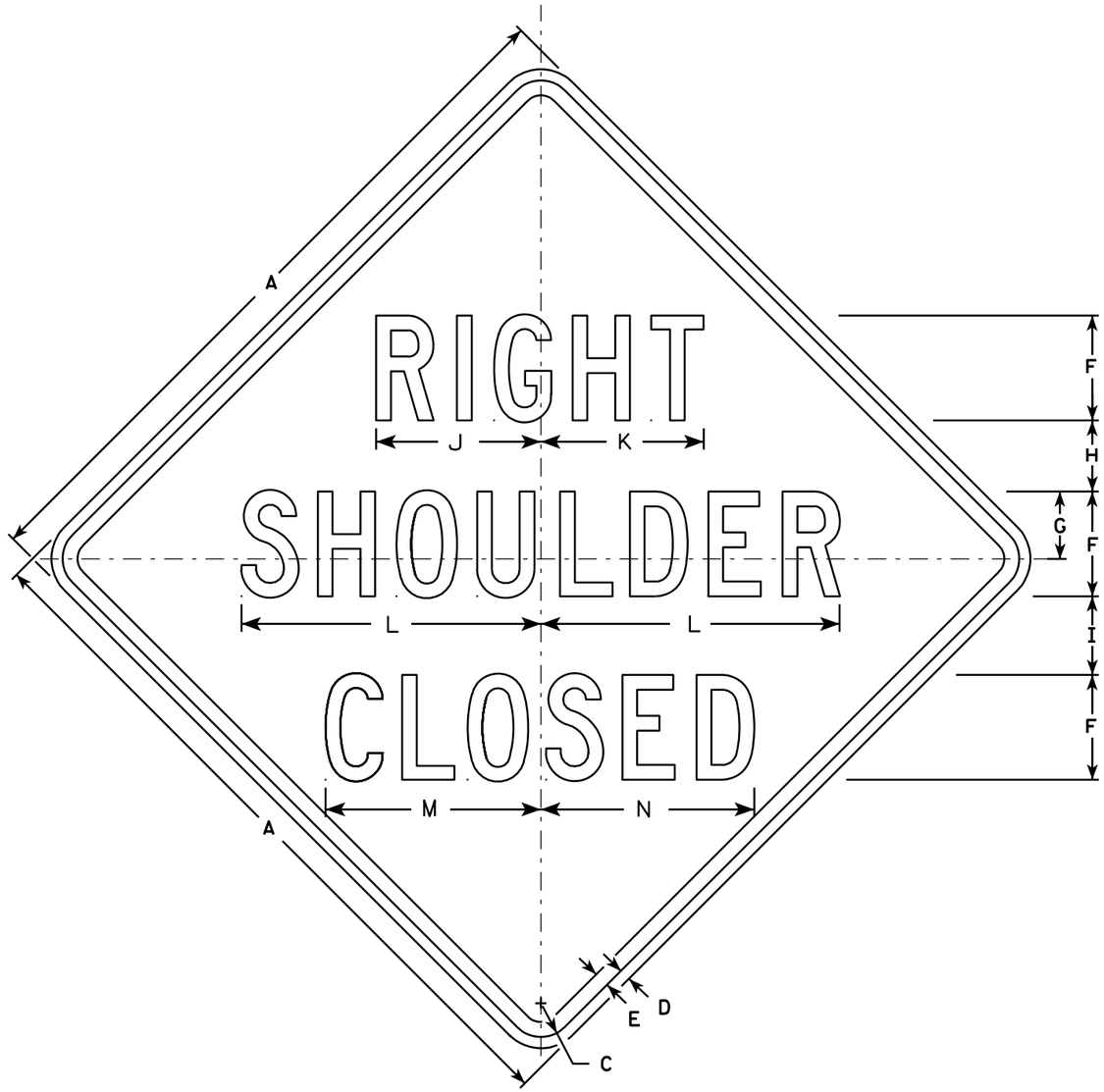
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/18/11 PLATE NO. W20-5.11

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 342 | E

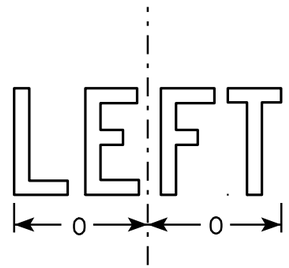
FILE NAME : C:\Users\PROJECTS\tr_stdplate\W205.DGN PLOT DATE : 18-MAR-2011 12:15 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 11.918087:1.000000
WISDOT/CADDS SHEET 42



W21-5A

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.



W21-5AL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		1 5/8	5/8	3/4	5	3 3/8	3 1/2	4	7 7/8	7 3/4	14 1/4	10 1/4	10 1/8	6 1/4												9.0
2S	48		2 1/4	3/4	1	7	4 1/2	4 3/4	5 1/4	11	10 7/8	20	14 3/8	14 1/4	8 3/4												16.0
2M	48		2 1/4	3/4	1	7	4 1/2	4 3/4	5 1/4	11	10 7/8	20	14 3/8	14 1/4	8 3/4												16.0
3	48		2 1/4	3/4	1	7	4 1/2	4 3/4	5 1/4	11	10 7/8	20	14 3/8	14 1/4	8 3/4												16.0
4	48		2 1/4	3/4	1	7	4 1/2	4 3/4	5 1/4	11	10 7/8	20	14 3/8	14 1/4	8 3/4												16.0
5	48		2 1/4	3/4	1	7	4 1/2	4 3/4	5 1/4	11	10 7/8	20	14 3/8	14 1/4	8 3/4												16.0

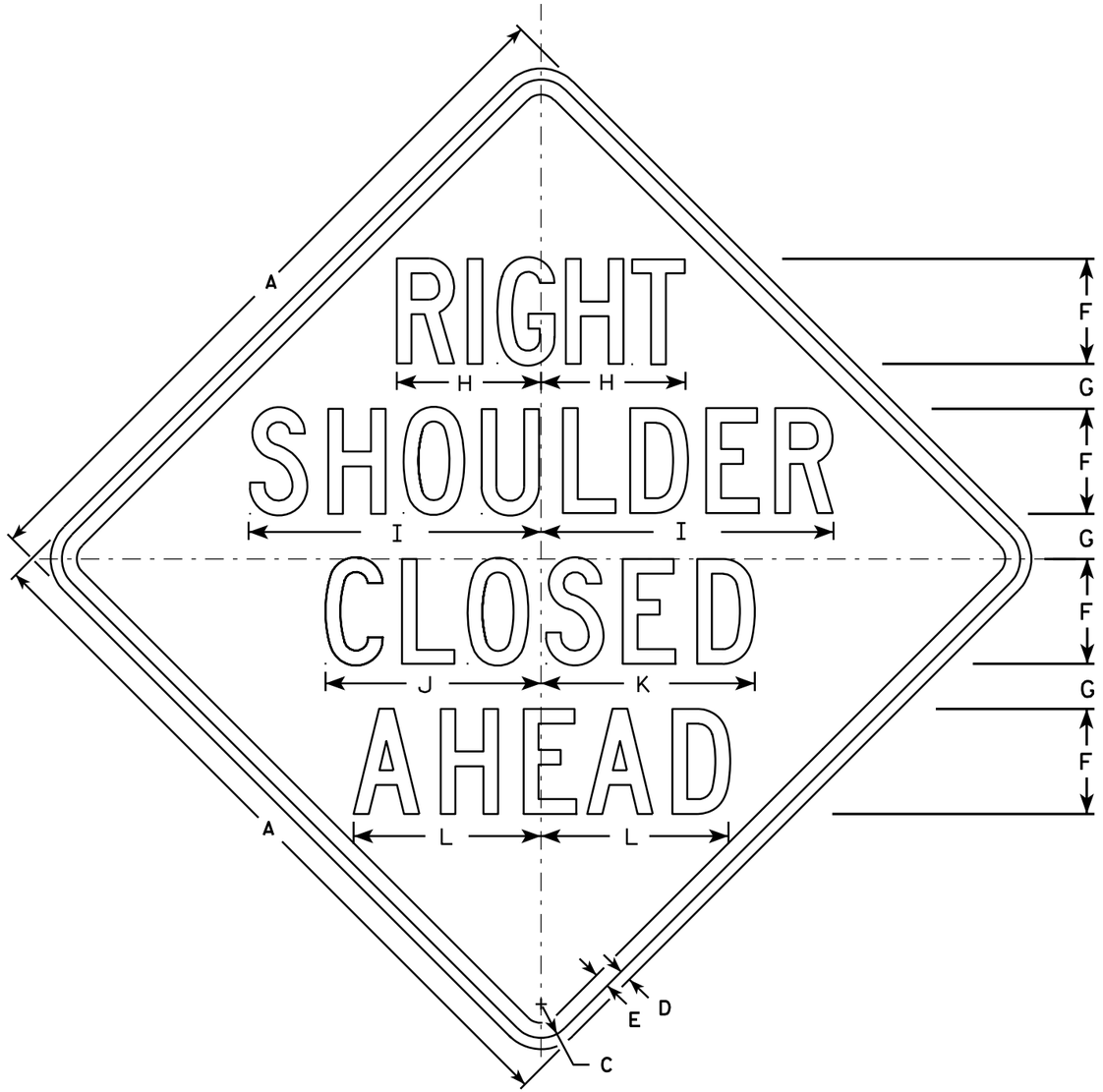
STANDARD SIGN
W21-5A

WISCONSIN DEPT OF TRANSPORTATION

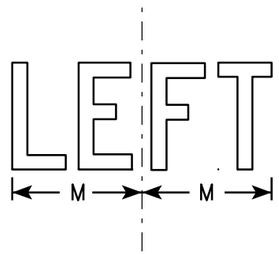
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/21/11 PLATE NO. W21-5A.3

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 343 | E



W21-5B



W21-5BL

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		1 5/8	5/8	3/4	5	2 1/4	7 3/8	14 1/4	10 1/4	10 1/8	8 7/8	6 1/4														9.0
2S	48		2 1/4	3/4	1	7	3	9 5/8	19 1/2	14 3/8	14 1/4	12 1/2	8 1/2														16.0
2M	48		2 1/4	3/4	1	7	3	9 5/8	19 1/2	14 3/8	14 1/4	12 1/2	8 1/2														16.0
3	48		2 1/4	3/4	1	7	3	9 5/8	19 1/2	14 3/8	14 1/4	12 1/2	8 1/2														16.0
4	48		2 1/4	3/4	1	7	3	9 5/8	19 1/2	14 3/8	14 1/4	12 1/2	8 1/2														16.0
5	48		2 1/4	3/4	1	7	3	9 5/8	19 1/2	14 3/8	14 1/4	12 1/2	8 1/2														16.0

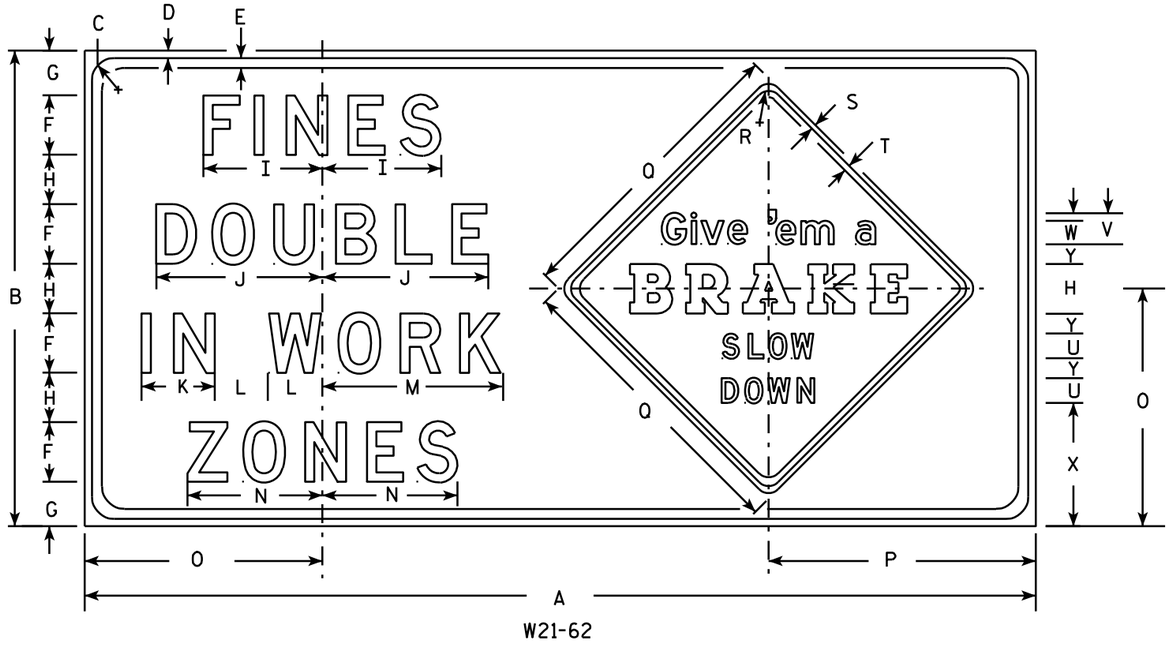
STANDARD SIGN
W21-5B

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/21/11 PLATE NO. W21-5B.3

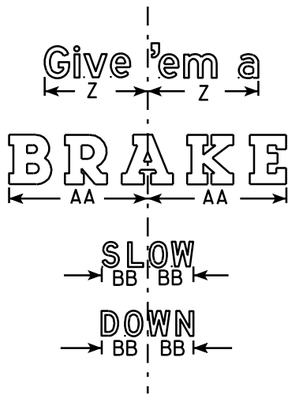
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 344	E

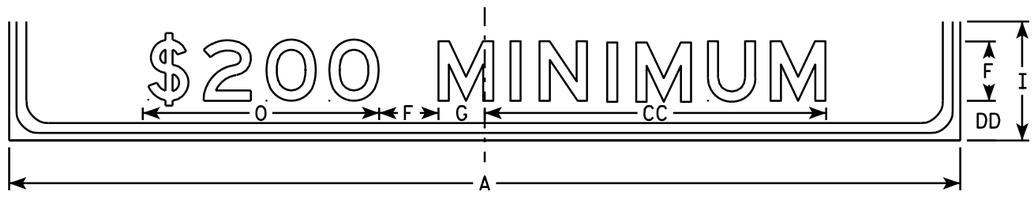


W21-62

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White - (See Note 5)
   Message - Black
3. Message Series -
   Fines Double Message - All lines are Series D
   Give 'em a Brake -
   Line one is Series E, line two is a Special Graphic Series and lines three and four are Series D.
4. The base material shall be plywood. Corners may be square or rounded, but borders shall be rounded as shown. The base material for Give 'em a Brake sign can be a seperate sheet of aluminum with the corners and borders rounded as shown. This seperate panel shall then be attached to the plywood with aluminum or stainless steel sheet metal screws.
5. Background for the Give 'em a Brake sign shall be Type F reflective orange.





W21-62P

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	AA	BB	CC	DD	Area sq. ft.
1																															
2S																															
2M																															
3	96	48	2 1/4	3/4	1	6	4 1/2	5	12	16 3/4	7 3/8	5 1/2	18 1/4	13 5/8	24	27	30	1 3/8	1/2	5/8	2 1/2	3 1/8	2 3/8	12 1/2	2	10 3/4	14	4 5/8	34 1/2	4	32.0
4																															
5																															

STANDARD SIGN
W21-62

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

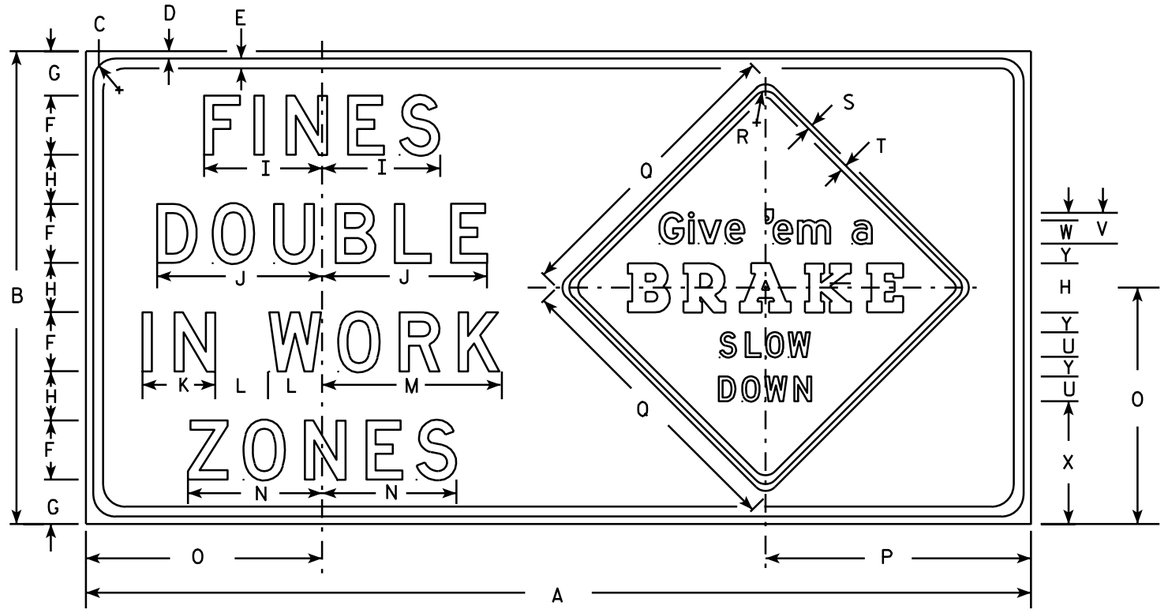
DATE 3/21/11 PLATE NO. W21-62.5

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 345 | E

7

FILE NAME : C:\Users\PROJECTS\tr_stdplate\W2162.DGN PLOT DATE : 21-MAR-2011 10:25 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 15.294877:1.000000

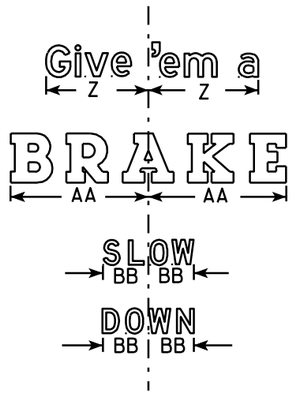
WISDOT/CADDS SHEET 42

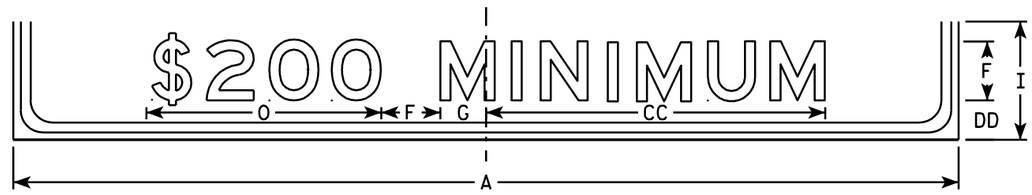


W21-62

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White - (See Note 5)
   Message - Black
3. Message Series -
   Fines Double Message - All lines are Series D
   Give 'em a Brake -
   Line one is Series E, line two is a Special Graphic Series and lines three and four are Series D.
4. The base material shall be plywood. Corners may be square or rounded, but borders shall be rounded as shown. The base material for Give 'em a Brake sign can be a seperate sheet of aluminum with the corners and borders rounded as shown. This seperate panel shall then be attached to the plywood with aluminum or stainless steel sheet metal screws.
5. Background for the Give 'em a Brake sign shall be Type F reflective orange.





W21-62P

Metric equivalent for this sign is:

SIZE	
1	
2	
3	2400 mm X 1200 mm
4	
5	

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	O	R	S	T	U	V	W	X	Y	Z	AA	BB	CC	DD	Area sq. ft.	Area m2
1																																
2																																
3	96	48	2 1/4	3/4	1	6	4 1/2	5	12	16 3/4	7 3/8	5 1/2	18 1/4	13 5/8	24	27	30	1 3/8	1/2	5/8	2 1/2	3 1/8	2 3/8	12 1/2	2	10 3/4	14	4 5/8	34 1/2	4	32.0	2.88
4																																
5																																

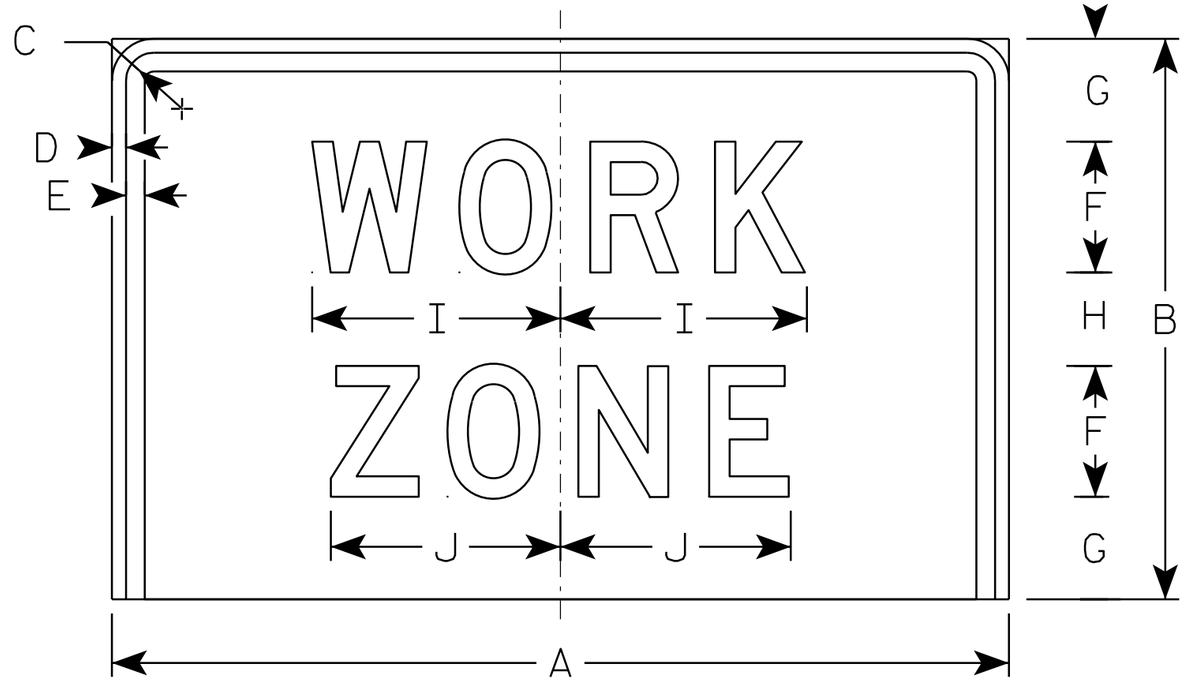
STANDARD SIGN
W21-62

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 4/16/07 PLATE NO. W21-62.4

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 346	E



W21-620

NOTES

1. Sign is Type II - Type F - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Message Series - D

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	48	30	2 1/4	3/4	1	7	5 1/2	5	13 1/4	12 1/4																	10.0
2M	48	30	2 1/4	3/4	1	7	5 1/2	5	13 1/4	12 1/4																	10.0
3																											
4																											
5																											

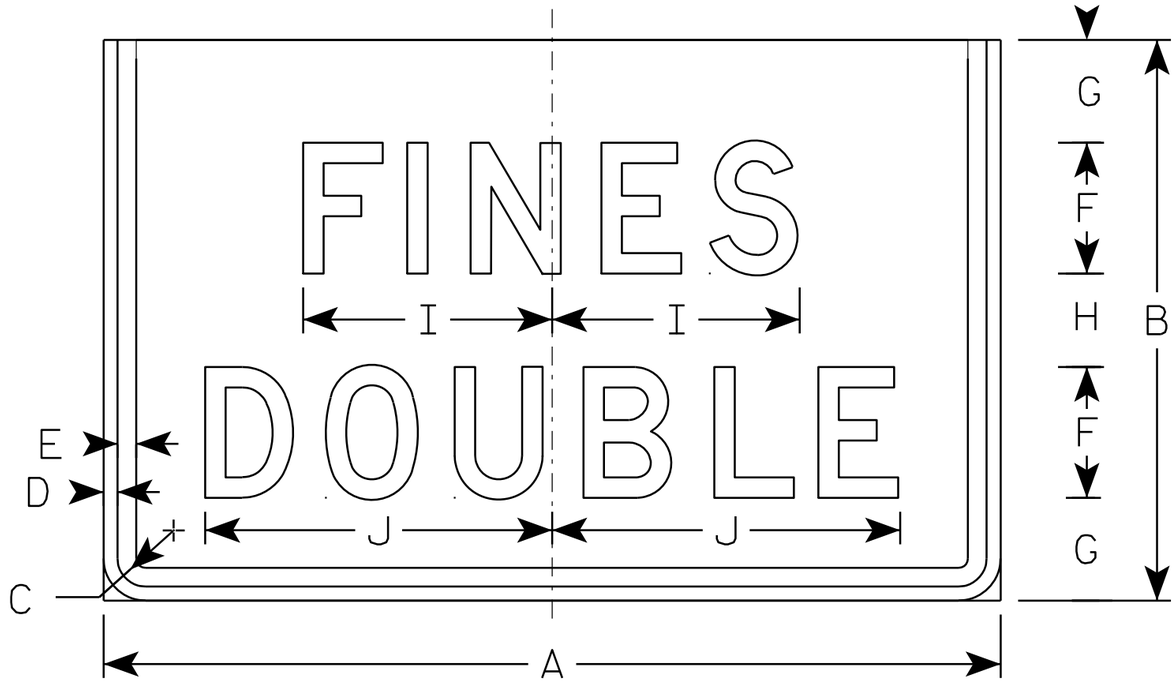
STANDARD SIGN
W21-620

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/21/11 PLATE NO. W21-620.2

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 347	E



W21-62R

NOTES

1. Sign is Type II - Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - D

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	48	30	2 1/4	3/4	1	7	5 1/2	5	13 1/4	18 5/8																	10.0
2M	48	30	2 1/4	3/4	1	7	5 1/2	5	13 1/4	18 5/8																	10.0
3																											
4																											
5																											

STANDARD SIGN
W21-62R

WISCONSIN DEPT OF TRANSPORTATION

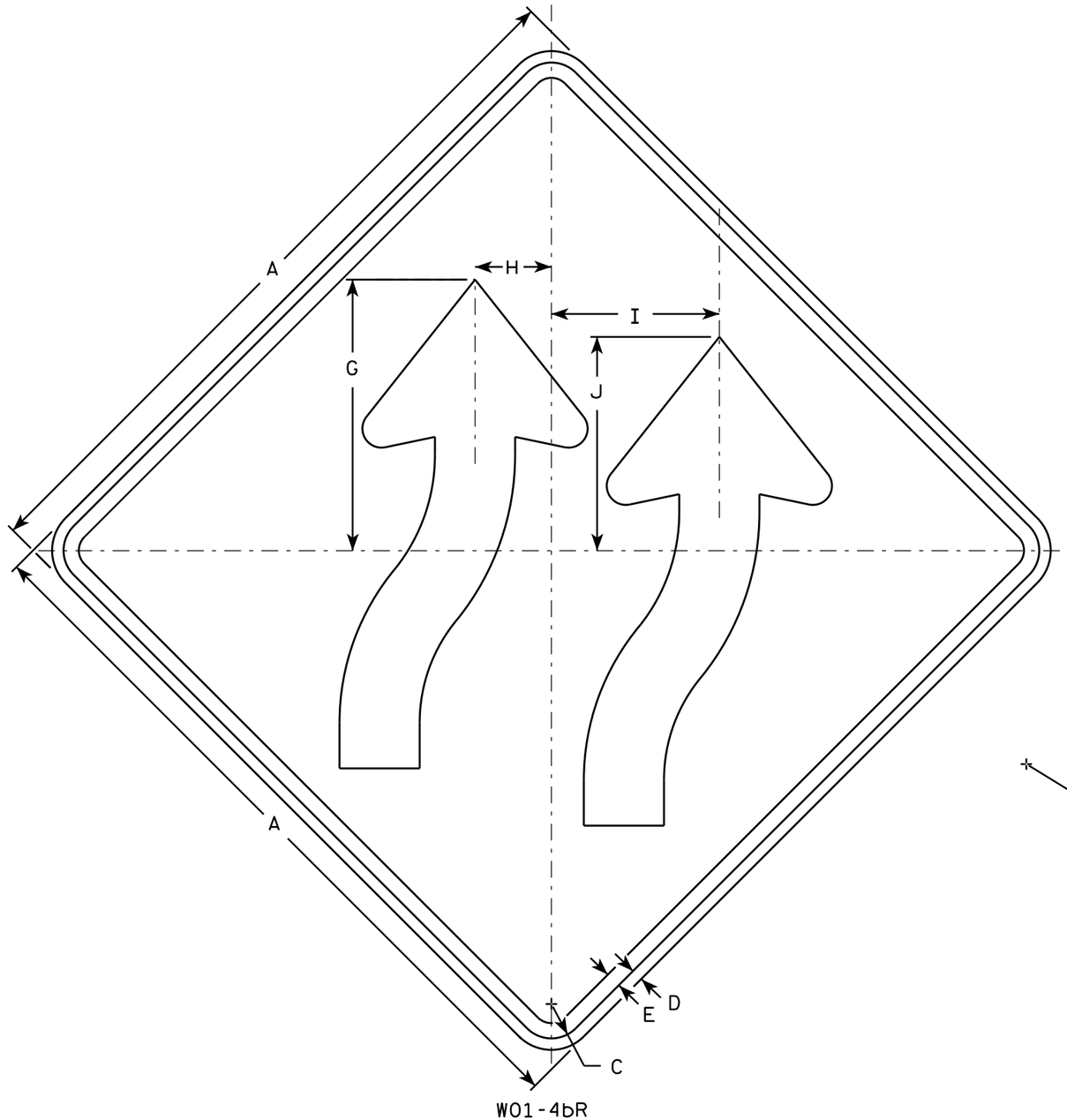
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/21/11 PLATE NO. W21-62R.2

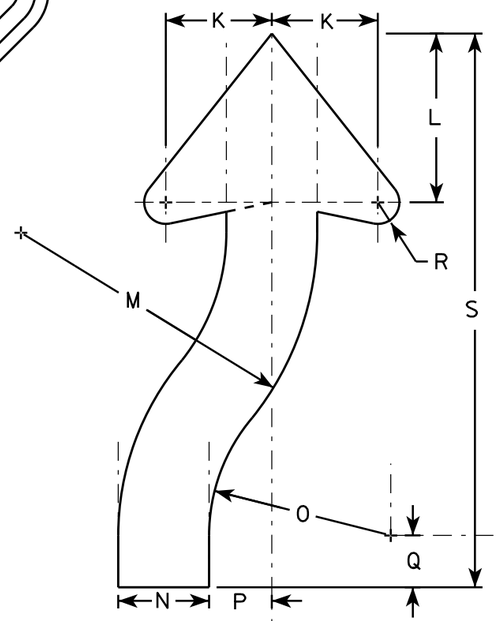
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 348 | E

7

FILE NAME : C:\Users\PROJECTS\tr_stdplate\W2162R.DGN PLOT DATE : 21-MAR-2011 10:51 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 8.108332:1.000000
WISDOT/CADDS SHEET 42



W01-4bR



NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. W01-4bL is the same as W014-bR exept arrows are reversed along the vertical centerline

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		1 5/8	5/8	3/4		13 3/8	3 3/4	8 1/4	10 1/2	4 5/8	7 3/8	12 7/8	3 7/8	7 7/8	2 3/4	2 1/4	7/8	24								9.0
2S	48		2 1/4	3/4	1		17 3/4	5	11	14	6 1/8	9 3/4	17 1/8	5 1/4	10 1/2	3 5/8	3	1 1/4	32								16.0
2M	48		2 1/4	3/4	1		17 3/4	5	11	14	6 1/8	9 3/4	17 1/8	5 1/4	10 1/2	3 5/8	3	1 1/4	32								16.0
3	48		2 1/4	3/4	1		17 3/4	5	11	14	6 1/8	9 3/4	17 1/8	5 1/4	10 1/2	3 5/8	3	1 1/4	32								16.0
4	48		2 1/4	3/4	1		17 3/4	5	11	14	6 1/8	9 3/4	17 1/8	5 1/4	10 1/2	3 5/8	3	1 1/4	32								16.0
5	48		2 1/4	3/4	1		17 3/4	5	11	14	6 1/8	9 3/4	17 1/8	5 1/4	10 1/2	3 5/8	3	1 1/4	32								16.0

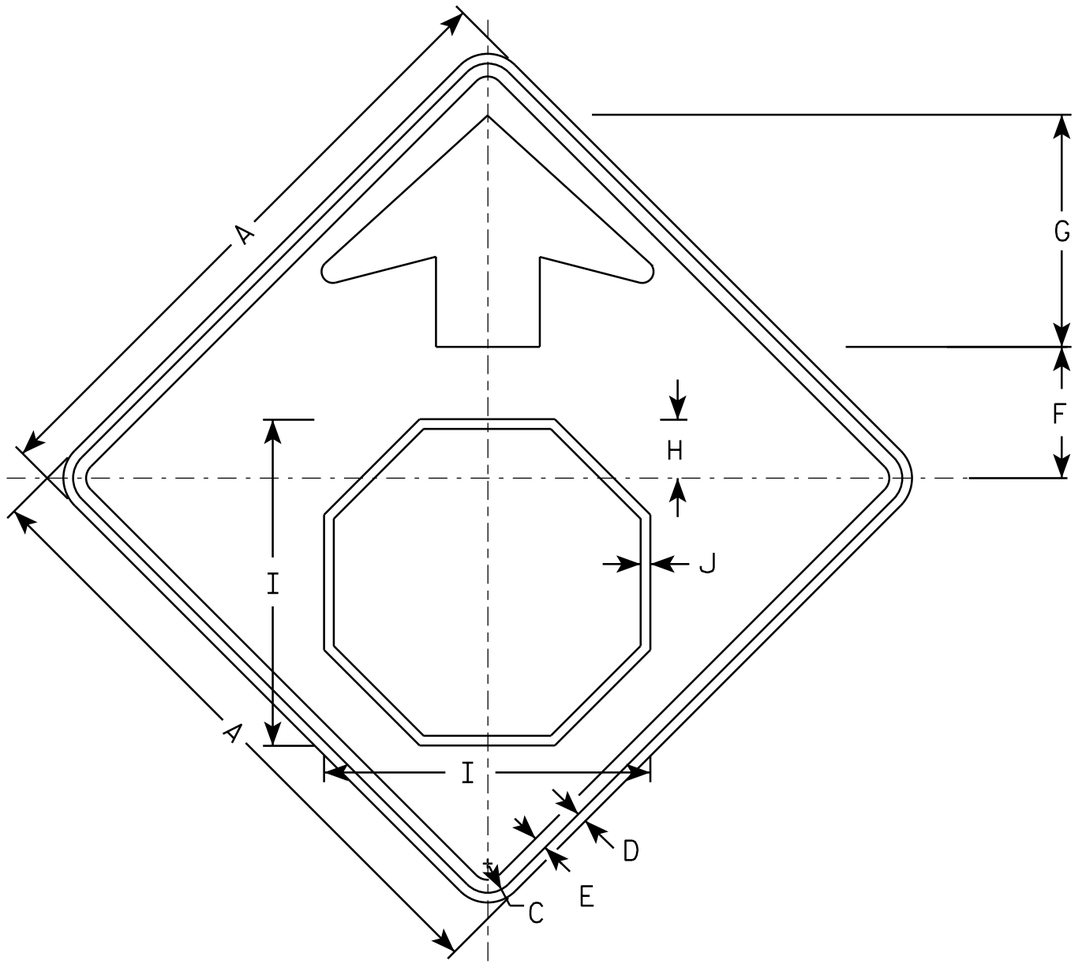
STANDARD SIGN
W01-4b

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/18/13 PLATE NO. W01-4b.1

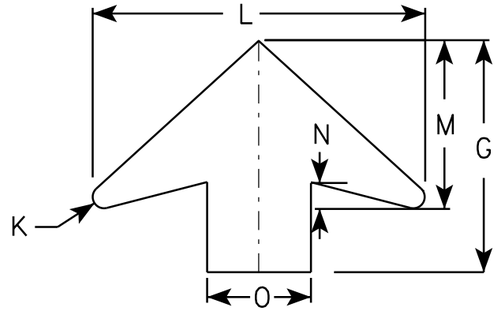
PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E



W03-1

NOTES

1. All Signs Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - ORANGE
   Arrow & Border - BLACK
   Stop Symbol - WHITE BORDER ON RED BACKGROUND



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		1 5/8	5/8	3/4	7 1/2	13 1/2	3 1/2	19	5/8	5/8	19 1/4	9 3/4	1 5/8	6												9.0
2S	48		2 1/4	3/4	1	10	17 7/8	4 1/2	25 1/8	3/4	7/8	25 5/8	13	2	8												16.0
2M	48		2 1/4	3/4	1	10	17 7/8	4 1/2	25 1/8	3/4	7/8	25 5/8	13	2	8												16.0
3	48		2 1/4	3/4	1	10	17 7/8	4 1/2	25 1/8	3/4	7/8	25 5/8	13	2	8												16.0
4	48		2 1/4	3/4	1	10	17 7/8	4 1/2	25 1/8	3/4	7/8	25 5/8	13	2	8												16.0
5	48		2 1/4	3/4	1	10	17 7/8	4 1/2	25 1/8	3/4	7/8	25 5/8	13	2	8												16.0

STANDARD SIGN
W03-1

WISCONSIN DEPT OF TRANSPORTATION

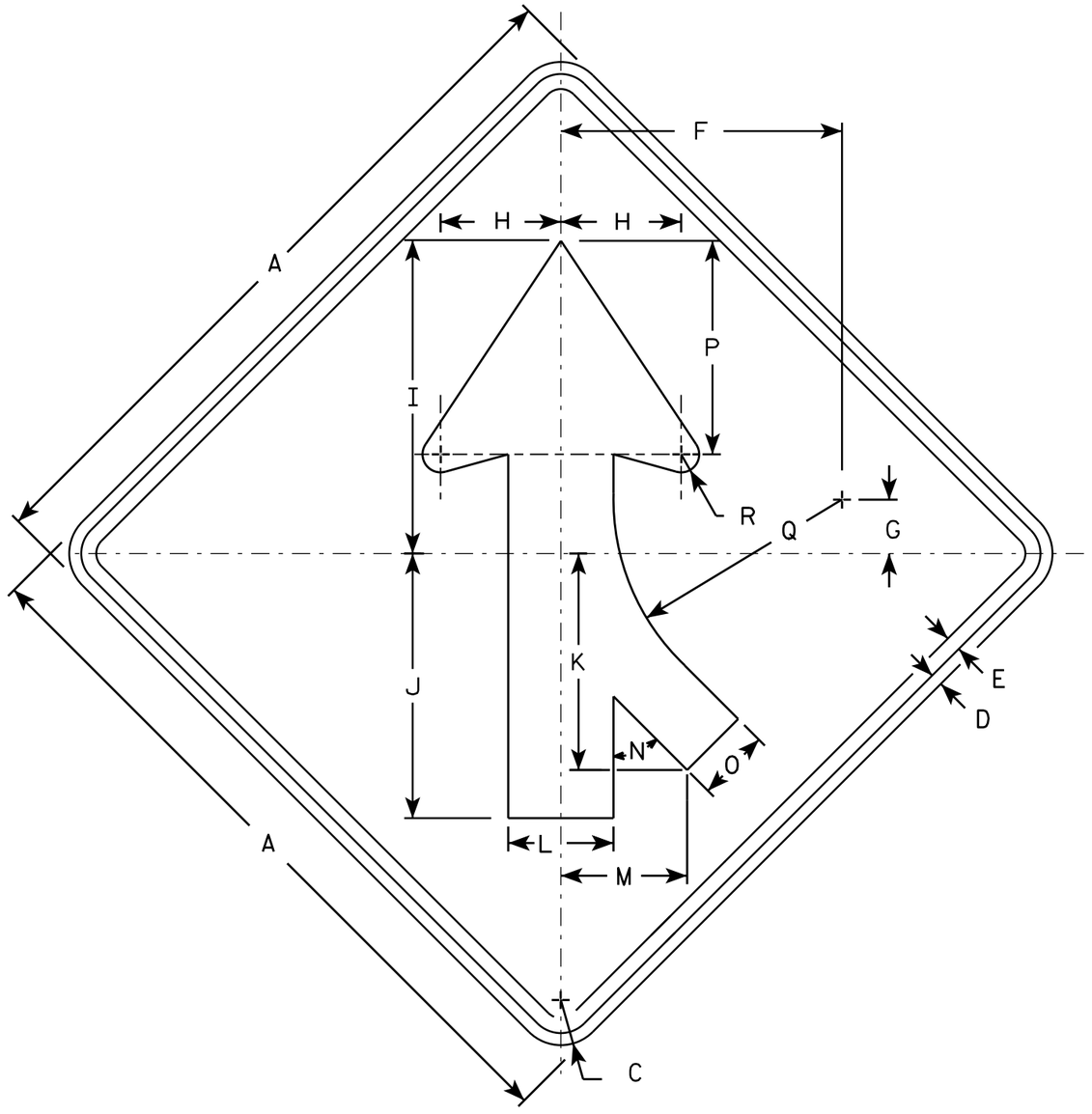
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/20/13 PLATE 350 03-1.1

PROJECT NO: | SHEET NO: E

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\W031.DGN PLOT DATE : 20-NOV-2013 10:54 PLOT BY : mscsja

WISDOT/CADDS SHEET 42



W04-1R

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. W4-1L is the same as W4-1R except the arrow is reversed along the vertical centerline.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		1 5/8	5/8	3/4	14	2 3/4	6	15 3/4	13 1/4	10 1/4	5 1/4	6 3/8	45°	3 5/8	10 5/8	11 3/8	7/8									9.0
2S	48		2 1/4	3/4	1	18 3/4	3 5/8	8	20 1/2	17 1/2	14 3/8	7	8 3/8	45°	4 3/4	14 1/4	15 1/4	1 1/4									16.0
2M	48		2 1/4	3/4	1	18 3/4	3 5/8	8	20 1/2	17 1/2	14 3/8	7	8 3/8	45°	4 3/4	14 1/4	15 1/4	1 1/4									16.0
3	48		2 1/4	3/4	1	18 3/4	3 5/8	8	20 1/2	17 1/2	14 3/8	7	8 3/8	45°	4 3/4	14 1/4	15 1/4	1 1/4									16.0
4	48		2 1/4	3/4	1	18 3/4	3 5/8	8	20 1/2	17 1/2	14 3/8	7	8 3/8	45°	4 3/4	14 1/4	15 1/4	1 1/4									16.0
5	48		2 1/4	3/4	1	18 3/4	3 5/8	8	20 1/2	17 1/2	14 3/8	7	8 3/8	45°	4 3/4	14 1/4	15 1/4	1 1/4									16.0

STANDARD SIGN
W04-1

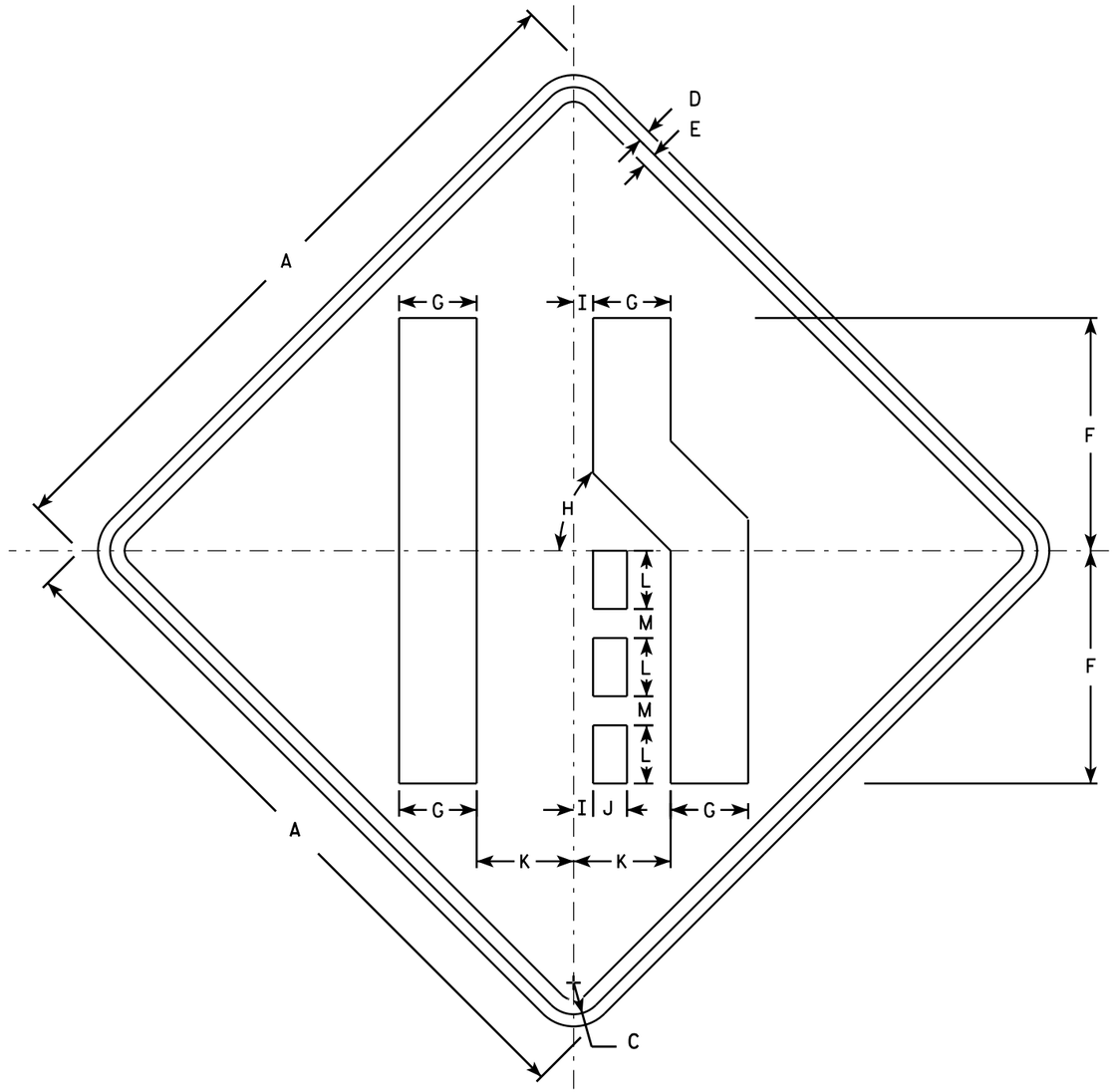
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/20/13 PLATE NO W04-1.1

PROJECT NO: | HWY: | COUNTY: | | SHEET NO: E

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\W041.DGN PLOT DATE : 20-NOV-2013 11:38 PLOT BY : mscsja PLOT NAME : PLOT SCALE : 6.080757:1.000000
WISDOT/CADDS SHEET 42



W04-2R

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. W04-2L is the same as W04-2R except the symbol is reversed along the vertical centerline.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		1 5/8	5/8	3/4	12	4	45°	1	1 3/4	5	3	1 1/2														9.0
2S	48		2 1/4	3/4	1	16	5 3/8	45°	1 1/4	2 3/8	6 3/4	4	2														16.0
2M	48		2 1/4	3/4	1	16	5 3/8	45°	1 1/4	2 3/8	6 3/4	4	2														16.0
3	48		2 1/4	3/4	1	16	5 3/8	45°	1 1/4	2 3/8	6 3/4	4	2														16.0
4	48		2 1/4	3/4	1	16	5 3/8	45°	1 1/4	2 3/8	6 3/4	4	2														16.0
5	48		2 1/4	3/4	1	16	5 3/8	45°	1 1/4	2 3/8	6 3/4	4	2														16.0

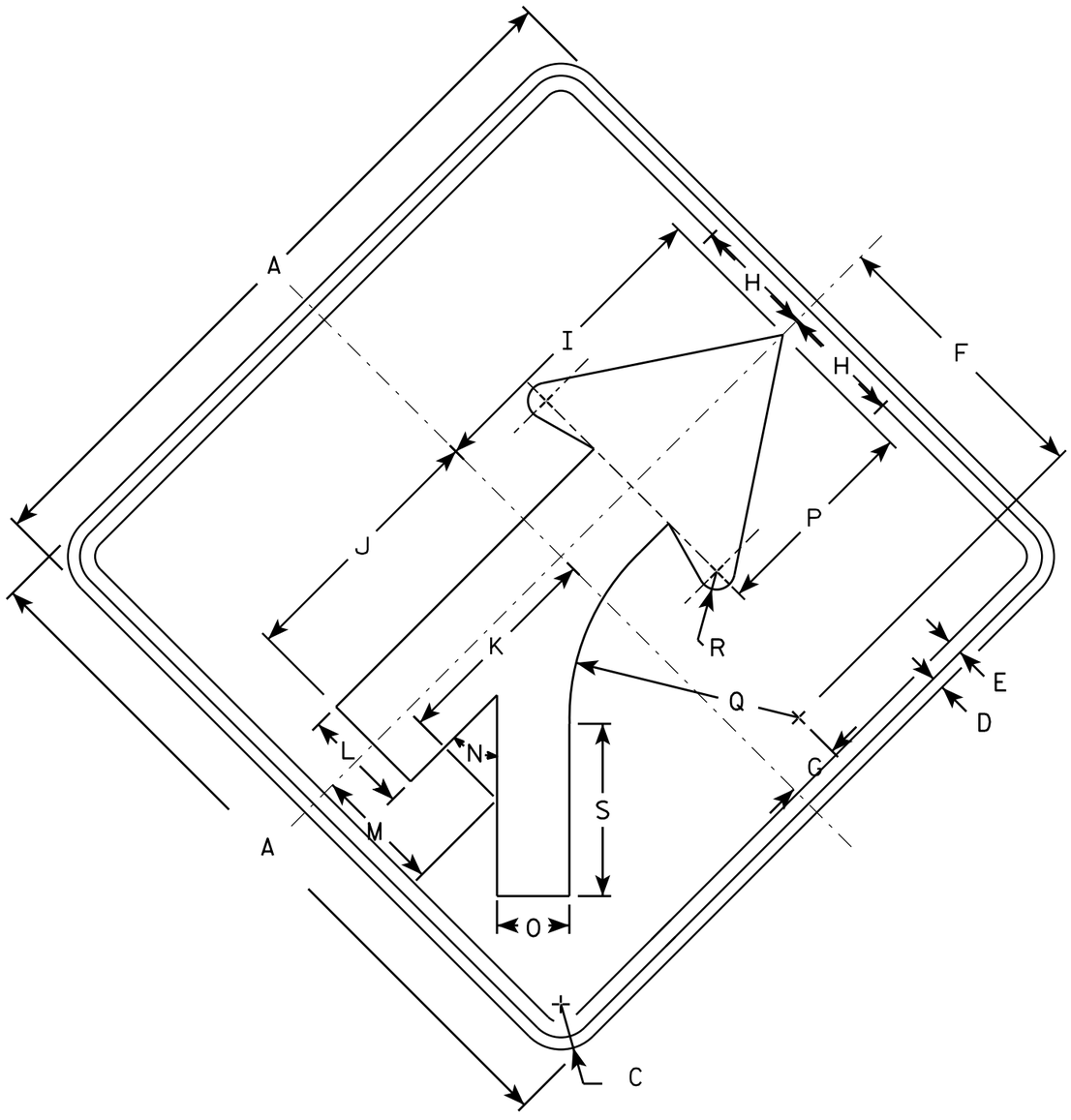
STANDARD SIGN
W04-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/20/13 PLATE 352 W04-2.1

PROJECT NO: | SHEET NO: E



W04-5

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		1 5/8	5/8	3/4	14	2 3/4	6	15 3/4	13 1/4	10 1/4	5 1/4	6 3/8	45°	3 5/8	10 5/8	11 3/8	7/8	8 1/2								9.0
2S	48		2 1/4	3/4	1	18 3/4	3 5/8	8	20 1/2	17 1/2	14 3/8	7	8 3/8	45°	4 3/4	14 1/4	15 1/4	1 1/4	11 3/8								16.0
2M	48		2 1/4	3/4	1	18 3/4	3 5/8	8	20 1/2	17 1/2	14 3/8	7	8 3/8	45°	4 3/4	14 1/4	15 1/4	1 1/4	11 3/8								16.0
3	48		2 1/4	3/4	1	18 3/4	3 5/8	8	20 1/2	17 1/2	14 3/8	7	8 3/8	45°	4 3/4	14 1/4	15 1/4	1 1/4	11 3/8								16.0
4	48		2 1/4	3/4	1	18 3/4	3 5/8	8	20 1/2	17 1/2	14 3/8	7	8 3/8	45°	4 3/4	14 1/4	15 1/4	1 1/4	11 3/8								16.0
5	48		2 1/4	3/4	1	18 3/4	3 5/8	8	20 1/2	17 1/2	14 3/8	7	8 3/8	45°	4 3/4	14 1/4	15 1/4	1 1/4	11 3/8								16.0

STANDARD SIGN
W04-5

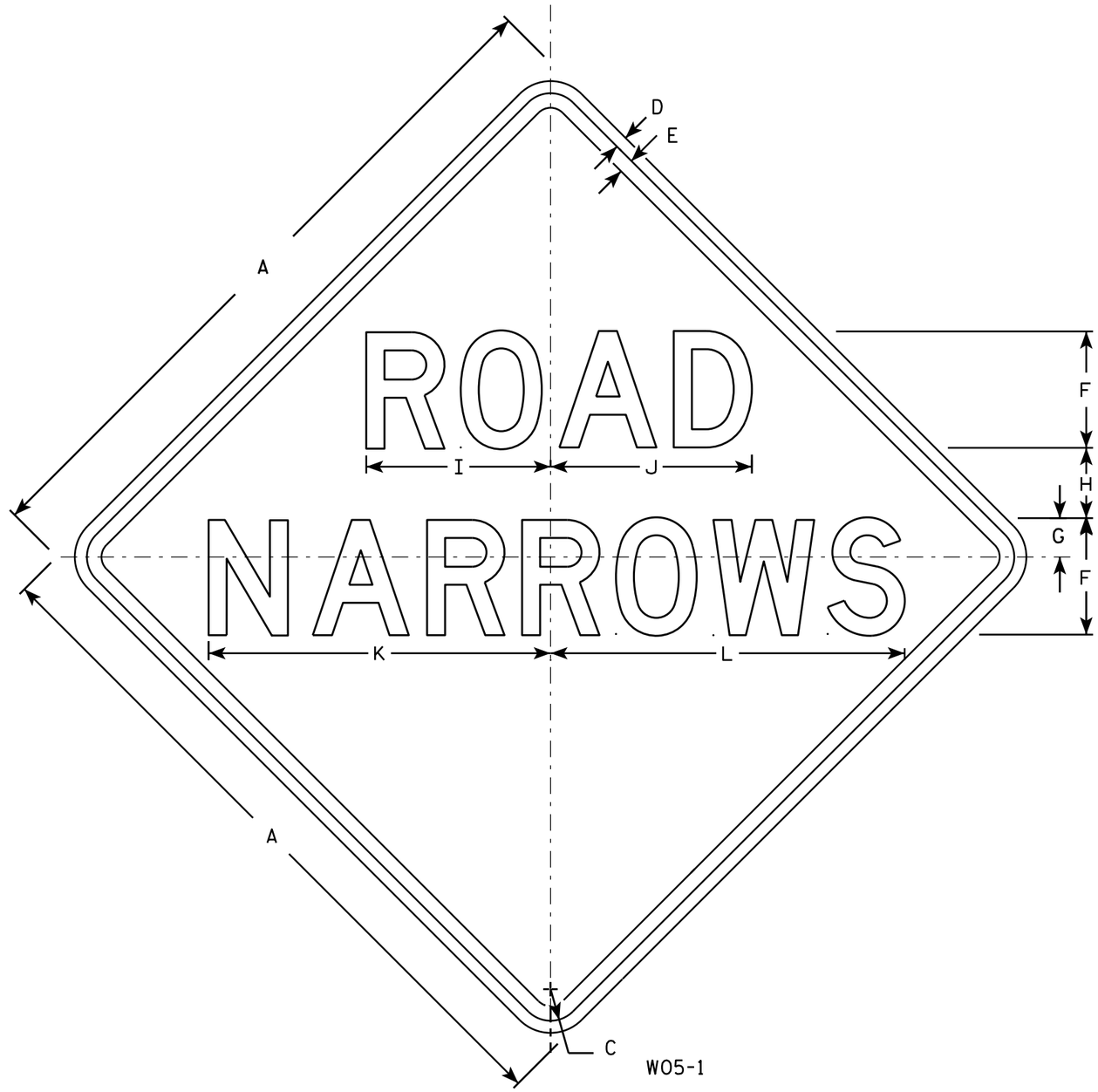
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 4/28/16 PLATE NO W04-5.1

PROJECT NO: | HWY: | COUNTY: | SHEET NO: E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\W045.DGN PLOT DATE : 28-APR-2016 13:30 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 6.080757:1.000000 WISDOT/CADDS SHEET 42



W05-1

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		1 5/8	5/8	3/4	6	2	3 1/2	9 1/2	10 3/8	17 5/8	18 1/4															9.0
2S	48		2 1/4	3/4	1	8	3	4	12 3/4	13 3/4	23 1/2	24 3/8															16.0
2M	48		2 1/4	3/4	1	8	3	4	12 3/4	13 3/4	23 1/2	24 3/8															16.0
3	48		2 1/4	3/4	1	8	3	4	12 3/4	13 3/4	23 1/2	24 3/8															16.0
4	48		2 1/4	3/4	1	8	3	4	12 3/4	13 3/4	23 1/2	24 3/8															16.0
5	48		2 1/4	3/4	1	8	3	4	12 3/4	13 3/4	23 1/2	24 3/8															16.0

STANDARD SIGN
W05-1

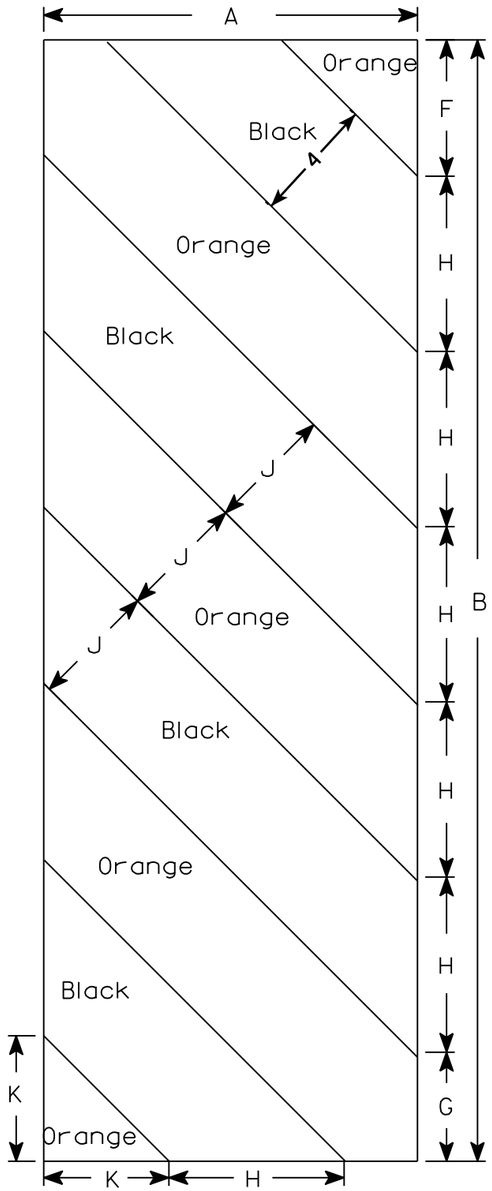
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

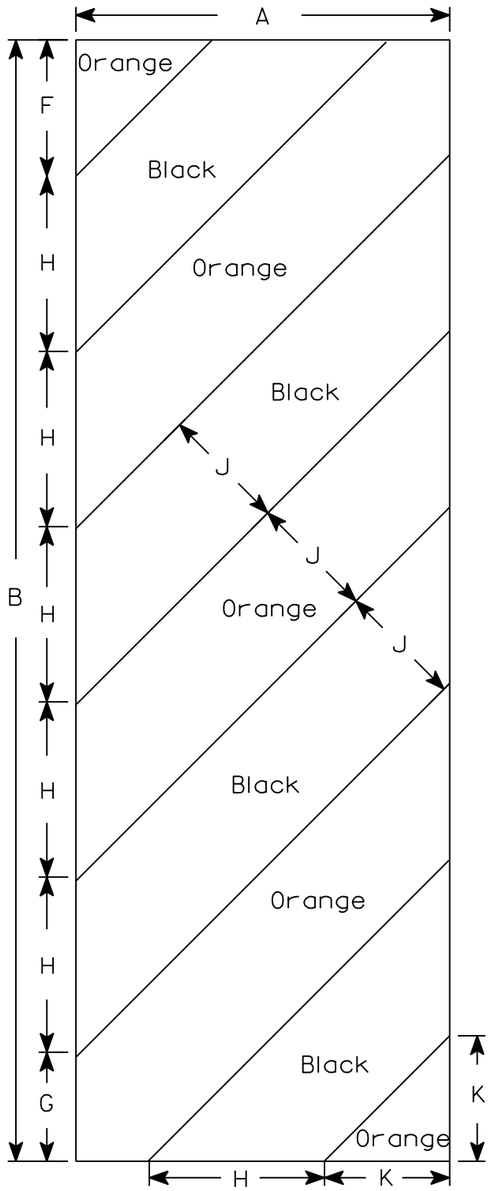
DATE 11/20/13 PLATE NO. W05-1.1

PROJECT NO: | HWY: | COUNTY: | | SHEET NO: E

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\W051.DGN PLOT DATE : 20-NOV-2013 11:56 PLOT BY : mscsja PLOT NAME : PLOT SCALE : 6.810445:1.000000
WISDOT/CADDS SHEET 42



W05-52L



W05-52R

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. Alternate colors of stripes as shown.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	12	36				4 3/8	3 1/2	5 5/8	45°	4	4																3.0
2M	12	36				4 3/8	3 1/2	5 5/8	45°	4	4																3.0
3	18	54				6	5 1/2	8 1/2	45°	6	6 9/16																6.75
4																											
5																											

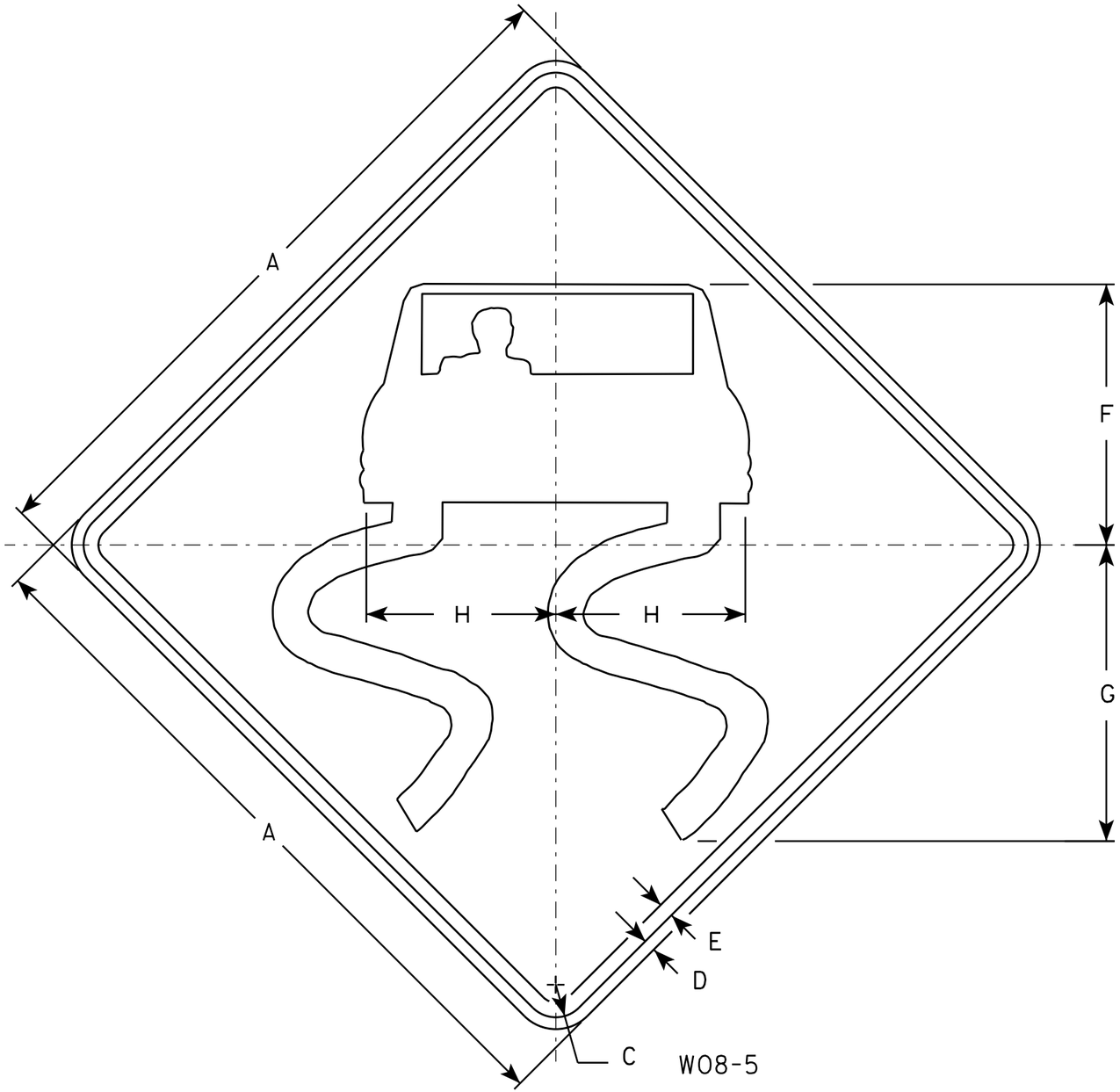
STANDARD SIGN
W05-52L & W05-52R

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/20/13 PLATE No. W05-52.1

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E



NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		1 5/8	5/8	3/4	13	14 7/8	9 1/2																			9.0
2S	48		2 1/4	3/4	1	17 3/8	19 3/4	12 5/8																			16.0
2M	48		2 1/4	3/4	1	17 3/8	19 3/4	12 5/8																			16.0
3	48		2 1/4	3/4	1	17 3/8	19 3/4	12 5/8																			16.0
4	48		2 1/4	3/4	1	17 3/8	19 3/4	12 5/8																			16.0
5	48		2 1/4	3/4	1	17 3/8	19 3/4	12 5/8																			16.0

STANDARD SIGN
W08-5

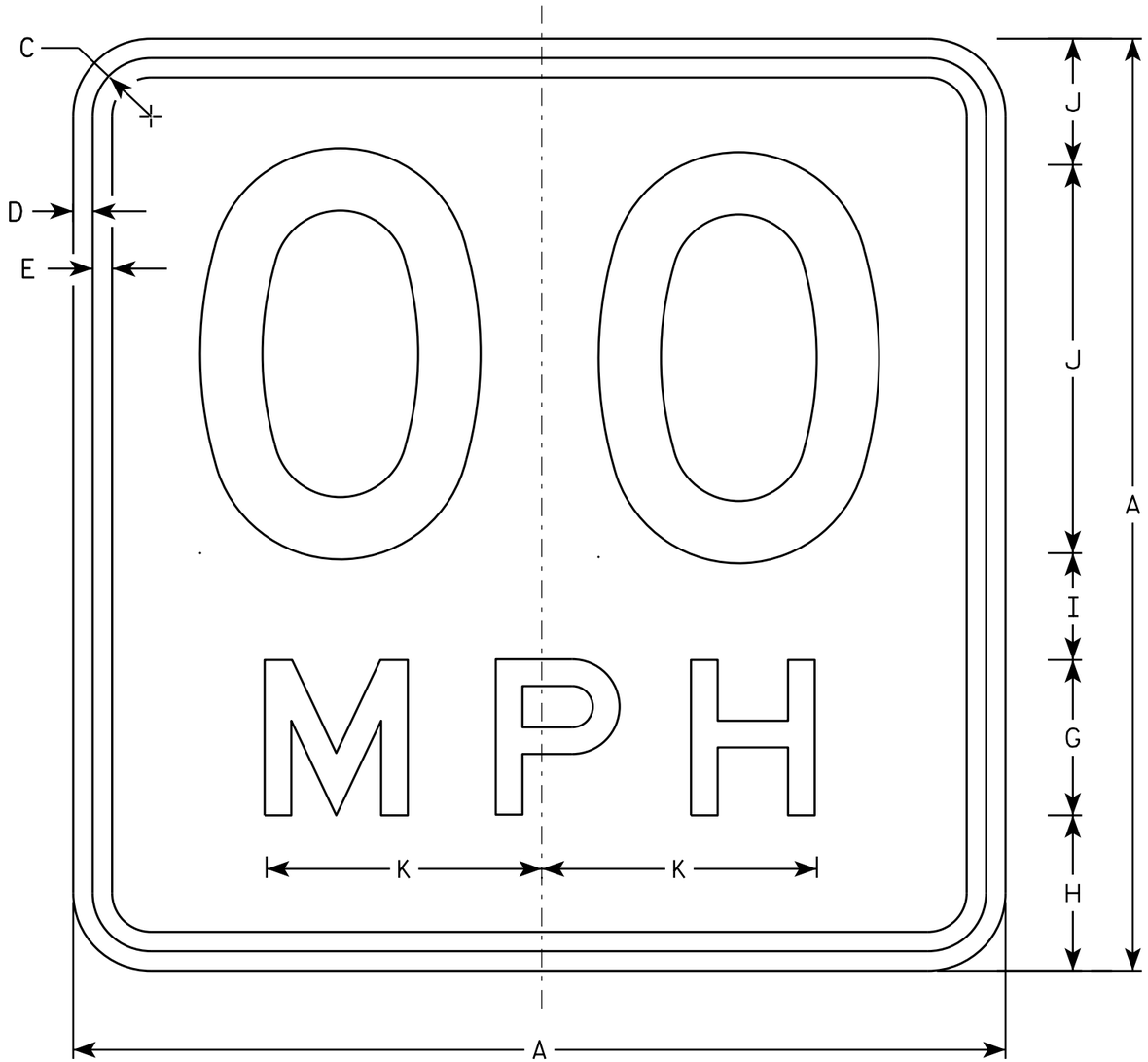
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/20/13 PLATE NO W05-5.1

PROJECT NO: | HWY: | COUNTY: | | SHEET NO: E

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\W085.DGN PLOT DATE : 20-NOV-2013 13:34 PLOT BY : mscsja PLOT NAME : PLOT SCALE : 6.742482:1.000000
WISDOT/CADDS SHEET 42



W013-1

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Message Series - See Note 6
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Substitute appropriate numerals and optically space about centerline to achieve proper balance.
6. Line 1 is Series D
   Line 2 is Series E

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	24		1 1/8	3/8	1/2	10	4	4	2 3/4	3 1/4	7 1/8																4.00
2S	36		1 5/8	5/8	3/4	16	6	5 1/2	4	4 1/2	10 5/8																9.00
2M	36		1 5/8	5/8	3/4	16	6	5 1/2	4	4 1/2	10 5/8																9.00
3	36		1 5/8	5/8	3/4	16	6	5 1/2	4	4 1/2	10 5/8																9.00
4	36		1 5/8	5/8	3/4	16	6	5 1/2	4	4 1/2	10 5/8																9.00
5	36		1 5/8	5/8	3/4	16	6	5 1/2	4	4 1/2	10 5/8																9.00

STANDARD SIGN
W013-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/21/13 PLATE 357 W013-1.1

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\W0131.DGN PLOT DATE : 02-DEC-2013 13:55 PLOT BY : mscsja PLOT NAME : PLOT SCALE : 3.794391:1.000000
WISDOT/CADDS SHEET 42

IH 41

STATION	Real Station	Distance	AREA (SF)			Incremental Vol (CY) (Unadjusted)			Cumulative Vol (CY)		
			Cut	Salvaged / Unusable Pavement Material	Fill	Cut Note 1	Salvaged / Unusable Pavement Material Note 2	Fill Note 3	Cut 1.00 Note 1	Expanded Fill 1.2	Mass Ordinate Note 8
478+50.00	47850		7	0	0	0	0	0	0	0	0
479+00.00	47900	50	7	0	0	12	0	0	12	0	0
479+50.00	47950	50	7	0	0	12	0	0	24	0	12
480+00.00	48000	50	7	0	0	12	0	0	36	0	24
480+50.00	48050	50	7	0	0	12	0	0	49	0	36
481+00.00	48100	50	7	0	0	12	0	0	61	0	49
481+50.00	48150	50	7	0	0	12	0	0	73	0	61
482+00.00	48200	50	7	0	0	12	0	0	85	0	73
482+50.00	48250	50	7	0	0	12	0	0	97	0	85
483+00.00	48300	50	7	0	0	12	0	0	109	0	97
483+50.00	48350	50	7	0	0	12	0	0	121	0	109
484+00.00	48400	50	7	0	0	12	0	0	134	0	121
484+50.00	48450	50	7	0	0	12	0	0	146	0	134
485+00.00	48500	50	7	0	0	12	0	0	158	0	146
485+50.00	48550	50	7	0	0	12	0	0	170	0	158
						170	0	0			

9

9

PROJECT NO: 1035-04-71 | HWY: IH 41 | COUNTY: RACINE | EARTHWORK | SHEET: 358 E

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

IH 41

STATION	Real Station	Distance	AREA (SF) Cut	AREA (SF) Salvaged / Unusable Pavement Material	AREA (SF) Fill	Incremental Vol (CY) (Unadjusted) Cut Note 1	Incremental Vol (CY) (Unadjusted) Salvaged / Unusable Pavement Material Note 2	Incremental Vol (CY) (Unadjusted) Fill Note 3	Cumulative Vol (CY) Cut 1.00 Note 1	Cumulative Vol (CY) Expanded Fill 1.2	Mass Ordinate Note 8
488+45.63	48846		9	0	1	0	0	0	0	0	0
488+50.00	48850	4	9	0	1	1	0	0	1	0	1
489+00.00	48900	50	9	0	1	17	0	2	18	2	16
489+50.00	48950	50	9	0	2	17	0	3	35	6	29
490+00.00	49000	50	9	0	2	17	0	4	52	10	41
490+50.00	49050	50	14	0	0	21	0	2	73	12	61
491+00.00	49100	50	19	0	0	31	0	0	104	12	92
491+50.00	49150	50	17	0	0	33	0	0	137	12	125
492+00.00	49200	50	23	0	0	38	0	0	175	12	163
492+50.00	49250	50	23	0	0	44	0	0	218	12	206
493+00.00	49300	50	23	0	0	43	0	0	262	12	250
493+50.00	49350	50	9	0	0	30	0	0	292	12	280
494+00.00	49400	50	9	0	0	17	0	0	309	12	296
494+50.00	49450	50	9	0	0	17	0	0	326	12	313
495+00.00	49500	50	9	0	0	17	0	0	342	12	330
495+50.00	49550	50	9	0	0	17	0	0	359	12	347
496+00.00	49600	50	9	0	0	17	0	0	376	12	364
496+50.00	49650	50	23	0	0	29	0	0	405	12	393
497+00.00	49700	50	20	0	0	40	0	0	445	12	433
497+50.00	49750	50	18	0	0	36	0	0	481	12	469
498+00.00	49800	50	19	0	0	34	0	0	515	12	503
498+50.00	49850	50	19	0	0	35	0	0	550	12	538
499+00.00	49900	50	20	0	0	36	0	0	587	12	574
499+50.00	49950	50	20	0	0	37	0	0	623	12	611
499+79.32	49979	29	20	0	0	22	0	0	645	12	632
						645	0	10			

PROJECT NO: 1035-04-71 | HWY: IH 41 | COUNTY: RACINE | EARTHWORK | SHEET: 359 | E

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

Division 1 IH 41 SB

STATION	Real Station	Distance	AREA (SF)				Incremental Vol (CY) (Unadjusted)				Cumulative Vol (CY)				
			Cut	Salvaged/ Unusable Pavement Material	Fill	EBS	Cut	Salvaged/ Unusable Pavement Material	Fill	EBS	Cut	Expanded Fill	Expanded EBS Backfill	Reduced EBS In Fill	Mass Ordinate
											1.0	1.2	1.3	0.8	
							Note 1	Note 2	Note 3				Note 4	Note 5	Note 6
527+44 AH	52744.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
527+50	52750.00	6.00	31.47	0.00	0.00	0.00	6.99	0.00	0.00	0.00	6.99	0.00	0.00	0.00	6.99
528+00	52800.00	50.00	34.01	0.00	0.00	0.00	60.63	0.00	0.00	0.00	67.62	0.00	0.00	0.00	67.62
528+50	52850.00	50.00	32.63	0.00	0.00	0.00	61.70	0.00	0.00	0.00	129.32	0.00	0.00	0.00	129.32
529+00	52900.00	50.00	30.04	0.00	0.00	0.00	58.02	0.00	0.00	0.00	187.35	0.00	0.00	0.00	187.35
529+50	52950.00	50.00	33.25	0.00	0.00	0.00	58.60	0.00	0.00	0.00	245.95	0.00	0.00	0.00	245.95
530+00	53000.00	50.00	31.44	0.00	0.00	0.00	59.89	0.00	0.00	0.00	305.84	0.00	0.00	0.00	305.84
530+50	53050.00	50.00	33.61	0.00	0.00	0.00	60.23	0.00	0.00	0.00	366.07	0.00	0.00	0.00	366.07
531+00	53100.00	50.00	33.01	0.00	0.00	0.00	61.68	0.00	0.00	0.00	427.75	0.00	0.00	0.00	427.75
531+50	53150.00	50.00	34.13	0.00	0.00	0.00	62.16	0.00	0.00	0.00	489.91	0.00	0.00	0.00	489.91
532+00	53200.00	50.00	33.23	0.00	0.00	0.00	62.36	0.00	0.00	0.00	552.27	0.00	0.00	0.00	552.27
532+50	53250.00	50.00	31.28	0.00	0.00	0.00	59.73	0.00	0.00	0.00	611.99	0.00	0.00	0.00	611.99
533+00	53300.00	50.00	31.41	0.00	0.00	0.00	58.05	0.00	0.00	0.00	670.04	0.00	0.00	0.00	670.04
533+50	53350.00	50.00	31.14	0.00	0.00	0.00	57.92	0.00	0.00	0.00	727.96	0.00	0.00	0.00	727.96
533+95 BK	53395.00	45.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	727.96	0.00	0.00	0.00	727.96
					Column totals		727.96	0.00	0.00	0.00					

Notes:	
1 - Cut	Cut includes Salvaged/Unusable Pavement material
2 - Salvaged/Unusable Pavement Material	This does not show up in cross sections nor is it shown in these sheets. Refer to Summary Table for this roadway's quantity.
3 - Fill	Does not include Unusable Pavement Exc volume
4 - Expanded EBS	Will be backfilled with Borrow
5 - Reduced EBS in Fill	Reduced EBS Excavation that can be used in Fill
6 - Mass Ordinate	If EBS to be backfilled with Cut or Borrow: [(Cut + EBS) - ((Fill) - (Reduced EBS in Fill)) * Fill Factor)]

Division 1 IH 41 SB

STATION	Real Station	Distance	AREA (SF)				Incremental Vol (CY) (Unadjusted)				Cumulative Vol (CY)				Mass Ordinate
			Cut	Salvaged/ Unusable Pavement Material	Fill	EBS	Cut	Salvaged/ Unusable Pavement Material	Fill	EBS	Cut	Expanded Fill	Expanded EBS Backfill	Reduced EBS In Fill	
											1.0	1.2	1.3	0.8	
							Note 1	Note 2	Note 3				Note 4	Note 5	Note 6
539+83 AH	53983.00	0.00	19.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
540+00	54000.00	17.00	21.03	0.00	0.00	0.00	12.66	0.00	0.00	0.00	12.66	0.00	0.00	0.00	12.66
540+50	54050.00	50.00	21.55	0.00	0.00	0.00	39.42	0.00	0.00	0.00	52.08	0.00	0.00	0.00	52.08
541+00	54100.00	50.00	21.12	0.00	0.00	0.00	39.50	0.00	0.00	0.00	91.58	0.00	0.00	0.00	91.58
541+50	54150.00	50.00	19.14	0.00	0.00	0.00	37.27	0.00	0.00	0.00	128.85	0.00	0.00	0.00	128.85
542+00	54200.00	50.00	16.18	0.00	0.00	0.00	32.69	0.00	0.00	0.00	161.55	0.00	0.00	0.00	161.55
542+50	54250.00	50.00	12.09	0.00	0.00	0.00	26.17	0.00	0.00	0.00	187.71	0.00	0.00	0.00	187.71
543+00	54300.00	50.00	10.13	0.00	0.00	0.00	20.57	0.00	0.00	0.00	208.28	0.00	0.00	0.00	208.28
543+24 BK	54324.00	24.00	9.50	0.00	0.00	0.00	8.72	0.00	0.00	0.00	217.01	0.00	0.00	0.00	217.01
					Column totals		217.01	0.00	0.00	0.00					

Notes:	
1 - Cut	Cut includes Salvaged/Unusable Pavement material
2 - Salvaged/Unusable Pavement Material	This does not show up in cross sections nor is it shown in these sheets. Refer to Summary Table for this roadway's quantity.
3 - Fill	Does not include Unusable Pavement Exc volume
4 - Expanded EBS	Will be backfilled with Borrow
5 - Reduced EBS in Fill	Reduced EBS Excavation that can be used in Fill
6 - Mass Ordinate	If EBS to be backfilled with Cut or Borrow: [(Cut + EBS) - ((Fill) - (Reduced EBS in Fill)) * Fill Factor)]

Division 1 IH 41 SB

STATION	Real Station	Distance	AREA (SF)				Incremental Vol (CY) (Unadjusted)				Cumulative Vol (CY)				Mass Ordinate
			Cut	Salvaged/ Unusable Pavement Material	Fill	EBS	Cut	Salvaged/ Unusable Pavement Material	Fill	EBS	Cut	Expanded Fill	Expanded EBS Backfill	Reduced EBS In Fill	
											1.0	1.2	1.3	0.8	
							Note 1	Note 2	Note 3				Note 4	Note 5	Note 6
560+26 AH	56026.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
560+50	56050.00	24.00	12.28	0.00	0.00	0.00	5.46	0.00	0.00	0.00	5.46	0.00	0.00	0.00	5.46
561+00	56100.00	50.00	17.44	0.00	0.00	0.00	27.51	0.00	0.00	0.00	32.96	0.00	0.00	0.00	32.96
561+50	56150.00	50.00	10.05	0.00	0.09	0.00	25.45	0.00	0.08	0.00	58.41	0.09	0.00	0.00	58.32
562+00	56200.00	50.00	9.78	0.00	0.33	0.00	18.36	0.00	0.38	0.00	76.77	0.56	0.00	0.00	76.21
562+50	56250.00	50.00	9.96	0.00	0.84	0.00	18.27	0.00	1.08	0.00	95.04	1.86	0.00	0.00	93.19
563+00	56300.00	50.00	10.27	0.00	0.93	0.00	18.73	0.00	1.64	0.00	113.78	3.82	0.00	0.00	109.95
563+50	56350.00	50.00	8.84	0.00	2.55	0.00	17.69	0.00	3.22	0.00	131.47	7.68	0.00	0.00	123.79
564+00	56400.00	50.00	8.81	0.00	1.87	0.00	16.34	0.00	4.08	0.00	147.81	12.58	0.00	0.00	135.23
564+50	56450.00	50.00	9.30	0.00	1.36	0.00	16.76	0.00	2.99	0.00	164.58	16.17	0.00	0.00	148.41
565+00	56500.00	50.00	10.03	0.00	0.12	0.00	17.89	0.00	1.37	0.00	182.47	17.81	0.00	0.00	164.66
565+50	56550.00	50.00	10.85	0.00	0.07	0.00	19.33	0.00	0.17	0.00	201.80	18.01	0.00	0.00	183.80
565+74 BK	56574.00	24.00	10.51	0.00	0.00	0.00	9.49	0.00	0.03	0.00	211.30	18.04	0.00	0.00	193.26
						Column totals	211.30	0.00	15.03	0.00					

Notes:	
1 - Cut	Cut includes Salvaged/Unusable Pavement material
2 - Salvaged/Unusable Pavement Material	This does not show up in cross sections nor is it shown in these sheets. Refer to Summary Table for this roadway's quantity.
3 - Fill	Does not include Unusable Pavement Exc volume
4 - Expanded EBS	Will be backfilled with Borrow
5 - Reduced EBS in Fill	Reduced EBS Excavation that can be used in Fill
6 - Mass Ordinate	If EBS to be backfilled with Cut or Borrow: [(Cut + EBS) - ((Fill) - (Reduced EBS in Fill)) * Fill Factor)]

Division 1 IH 41 SB

STATION	Real Station	Distance	AREA (SF)				Incremental Vol (CY) (Unadjusted)				Cumulative Vol (CY)				Mass Ordinate
			Cut	Salvaged/ Unusable Pavement Material	Fill	EBS	Cut	Salvaged/ Unusable Pavement Material	Fill	EBS	Cut 1.0	Expanded Fill 1.2	Expanded EBS Backfill 1.3	Reduced EBS In Fill 0.8	
							Note 1	Note 2	Note 3				Note 4	Note 5	Note 6
566+38 AH	56638.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
566+50	56650.00	12.00	34.84	0.00	0.00	0.00	7.74	0.00	0.00	0.00	7.74	0.00	0.00	0.00	7.74
567+00	56700.00	50.00	38.01	0.00	0.00	0.00	67.45	0.00	0.00	0.00	75.19	0.00	0.00	0.00	75.19
567+50	56750.00	50.00	40.45	0.00	0.00	0.00	72.64	0.00	0.00	0.00	147.83	0.00	0.00	0.00	147.83
568+00	56800.00	50.00	39.06	0.00	0.00	0.00	73.61	0.00	0.00	0.00	221.44	0.00	0.00	0.00	221.44
568+50	56850.00	50.00	32.65	0.00	0.00	0.00	66.39	0.00	0.00	0.00	287.83	0.00	0.00	0.00	287.83
569+00	56900.00	50.00	28.89	0.00	0.00	0.00	56.97	0.00	0.00	0.00	344.80	0.00	0.00	0.00	344.80
569+50	56950.00	50.00	28.82	0.00	0.00	0.00	53.43	0.00	0.00	0.00	398.23	0.00	0.00	0.00	398.23
570+00	57000.00	50.00	29.88	0.00	0.04	0.00	54.35	0.00	0.04	0.00	452.58	0.04	0.00	0.00	452.53
570+50	57050.00	50.00	30.54	0.00	0.17	0.00	55.94	0.00	0.19	0.00	508.52	0.28	0.00	0.00	508.24
571+00	57100.00	50.00	32.84	0.00	0.16	0.00	58.68	0.00	0.31	0.00	567.20	0.64	0.00	0.00	566.55
571+50	57150.00	50.00	36.98	0.00	0.05	0.00	64.64	0.00	0.19	0.00	631.84	0.87	0.00	0.00	630.97
572+00	57200.00	50.00	34.05	0.00	0.00	0.00	65.76	0.00	0.04	0.00	697.60	0.92	0.00	0.00	696.68
572+50	57250.00	50.00	27.74	0.00	0.00	0.00	57.21	0.00	0.00	0.00	754.81	0.92	0.00	0.00	753.89
573+00	57300.00	50.00	28.21	0.00	0.00	0.00	51.80	0.00	0.00	0.00	806.61	0.92	0.00	0.00	805.69
573+50	57350.00	50.00	27.17	0.00	0.00	0.00	51.27	0.00	0.00	0.00	857.88	0.92	0.00	0.00	856.96
574+00	57400.00	50.00	23.30	0.00	0.00	0.00	46.73	0.00	0.00	0.00	904.61	0.92	0.00	0.00	903.69
574+50	57450.00	50.00	19.90	0.00	0.28	0.00	40.00	0.00	0.25	0.00	944.60	1.23	0.00	0.00	943.38
575+00	57500.00	50.00	16.14	0.00	0.00	0.00	33.37	0.00	0.25	0.00	977.97	1.53	0.00	0.00	976.44
575+50	57550.00	50.00	12.38	0.00	0.00	0.00	26.40	0.00	0.00	0.00	1004.38	1.53	0.00	0.00	1002.84
576+00	57600.00	50.00	17.11	0.00	0.00	0.00	27.30	0.00	0.00	0.00	1031.67	1.53	0.00	0.00	1030.14
576+50	57650.00	50.00	14.21	0.00	0.00	0.00	29.00	0.00	0.00	0.00	1060.67	1.53	0.00	0.00	1059.13
577+00	57700.00	50.00	15.57	0.00	0.00	0.00	27.57	0.00	0.00	0.00	1088.24	1.53	0.00	0.00	1086.70
577+50	57750.00	50.00	15.01	0.00	0.00	0.00	28.31	0.00	0.00	0.00	1116.55	1.53	0.00	0.00	1115.01
578+00	57800.00	50.00	16.78	0.00	1.50	0.00	29.43	0.00	1.39	0.00	1145.98	3.20	0.00	0.00	1142.78
578+50	57850.00	50.00	14.41	0.00	0.67	0.00	28.88	0.00	2.00	0.00	1174.85	5.61	0.00	0.00	1169.25

Notes:	
1 - Cut	Cut includes Salvaged/Unusable Pavement material
2 - Salvaged/Unusable Pavement Material	This does not show up in cross sections nor is it shown in these sheets. Refer to Summary Table for this roadway's quantity.
3 - Fill	Does not include Unusable Pavement Exc volume
4 - Expanded EBS	Will be backfilled with Borrow
5 - Reduced EBS in Fill	Reduced EBS Excavation that can be used in Fill
6 - Mass Ordinate	If EBS to be backfilled with Cut or Borrow: [(Cut + EBS) - ((Fill) - (Reduced EBS in Fill)) * Fill Factor)]

Division 1 IH 41 SB

STATION	Real Station	Distance	AREA (SF)				Incremental Vol (CY) (Unadjusted)				Cumulative Vol (CY)				Mass Ordinate
			Cut	Salvaged/ Unusable Pavement Material	Fill	EBS	Cut	Salvaged/ Unusable Pavement Material	Fill	EBS	Cut 1.0	Expanded Fill 1.2	Expanded EBS Backfill 1.3	Reduced EBS In Fill 0.8	
							Note 1	Note 2	Note 3				Note 4	Note 5	Note 6
579+00	57900.00	50.00	17.08	0.00	0.19	0.00	29.15	0.00	0.79	0.00	1204.01	6.56	0.00	0.00	1197.45
579+50	57950.00	50.00	19.46	0.00	0.00	0.00	33.83	0.00	0.18	0.00	1237.83	6.77	0.00	0.00	1231.07
580+00	58000.00	50.00	16.85	0.00	0.01	0.00	33.62	0.00	0.01	0.00	1271.46	6.78	0.00	0.00	1264.68
580+50	58050.00	50.00	16.77	0.00	0.00	0.00	31.13	0.00	0.01	0.00	1302.58	6.79	0.00	0.00	1295.79
581+00	58100.00	50.00	18.65	0.00	0.00	0.00	32.79	0.00	0.00	0.00	1335.37	6.79	0.00	0.00	1328.58
581+50	58150.00	50.00	18.43	0.00	0.00	0.00	34.33	0.00	0.00	0.00	1369.70	6.79	0.00	0.00	1362.91
582+00	58200.00	50.00	15.20	0.00	0.00	0.00	31.13	0.00	0.00	0.00	1400.83	6.79	0.00	0.00	1394.04
582+50	58250.00	50.00	15.77	0.00	0.00	0.00	28.67	0.00	0.00	0.00	1429.50	6.79	0.00	0.00	1422.71
583+00	58300.00	50.00	17.07	0.00	0.00	0.00	30.40	0.00	0.00	0.00	1459.90	6.79	0.00	0.00	1453.11
583+50	58350.00	50.00	16.00	0.00	0.00	0.00	30.61	0.00	0.00	0.00	1490.51	6.79	0.00	0.00	1483.72
584+00	58400.00	50.00	16.00	0.00	0.00	0.00	29.62	0.00	0.00	0.00	1520.13	6.79	0.00	0.00	1513.34
584+40 BK	58440.00	90.00	15.60	0.00	0.00	0.00	52.88	0.00	0.00	0.00	1543.38	6.79	0.00	0.00	1536.60
						Column totals	1573.00	0.00	5.66	0.00					

Notes:	
1 - Cut	Cut includes Salvaged/Unusable Pavement material
2 - Salvaged/Unusable Pavement Material	This does not show up in cross sections nor is it shown in these sheets. Refer to Summary Table for this roadway's quantity.
3 - Fill	Does not include Unusable Pavement Exc volume
4 - Expanded EBS	Will be backfilled with Borrow
5 - Reduced EBS in Fill	Reduced EBS Excavation that can be used in Fill
6 - Mass Ordinate	If EBS to be backfilled with Cut or Borrow: [(Cut + EBS) - ((Fill) - (Reduced EBS in Fill)) * Fill Factor)]

Division 1 IH 41 SB Median 1

STATION	Real Station	Distance	AREA (SF)				Incremental Vol (CY) (Unadjusted)				Cumulative Vol (CY)				Mass Ordinate
			Cut	Salvaged/ Unusable Pavement Material	Fill	EBS	Cut	Salvaged/ Unusable Pavement Material	Fill	EBS	Cut 1.0	Expanded Fill 1.2	Expanded EBS Backfill 1.3	Reduced EBS In Fill 0.8	
							Note 1	Note 2	Note 3				Note 4	Note 5	Note 6
525+00 AH	52500.00	0.00	0.00	3.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
525+50	52550.00	50.00	7.88	3.00	0.00	0.00	7.29	5.56	0.00	0.00	7.29	0.00	0.00	0.00	1.74
526+00	52600.00	50.00	7.88	3.00	0.00	0.00	14.58	5.56	0.00	0.00	21.88	0.00	0.00	0.00	10.76
526+50	52650.00	50.00	7.88	3.00	0.00	0.00	14.58	5.56	0.00	0.00	36.46	0.00	0.00	0.00	19.79
527+00	52700.00	50.00	7.88	3.00	0.00	0.00	14.58	5.56	0.00	0.00	51.04	0.00	0.00	0.00	28.82
527+50	52750.00	50.00	7.88	3.00	0.00	0.00	14.58	5.56	0.00	0.00	65.63	0.00	0.00	0.00	37.85
528+00	52800.00	50.00	7.88	3.00	0.00	0.00	14.58	5.56	0.00	0.00	80.21	0.00	0.00	0.00	46.88
528+50	52850.00	50.00	7.88	3.00	0.00	0.00	14.58	5.56	0.00	0.00	94.79	0.00	0.00	0.00	55.90
529+00	52900.00	50.00	7.88	3.00	0.04	0.00	14.58	5.56	0.04	0.00	109.38	0.04	0.00	0.00	64.89
529+50	52950.00	50.00	7.88	3.00	0.17	0.00	14.58	5.56	0.19	0.00	123.96	0.28	0.00	0.00	73.68
530+00	53000.00	50.00	7.88	3.00	0.16	0.00	14.58	5.56	0.31	0.00	138.54	0.64	0.00	0.00	82.34
530+50	53050.00	50.00	7.88	3.00	0.05	0.00	14.58	5.56	0.19	0.00	153.13	0.87	0.00	0.00	91.14
531+00	53100.00	50.00	7.88	3.00	0.00	0.00	14.58	5.56	0.04	0.00	167.71	0.92	0.00	0.00	100.12
531+50	53150.00	50.00	7.88	3.00	0.00	0.00	14.58	5.56	0.00	0.00	182.29	0.92	0.00	0.00	109.15
532+00 BK	53200.00	50.00	7.88	3.00	0.00	0.00	14.58	5.56	0.00	0.00	196.88	0.92	0.00	0.00	118.18
						Column totals	196.88	77.78	0.77	0.00					

Notes:	
1 - Cut	Cut includes Salvaged/Unusable Pavement material
2 - Salvaged/Unusable Pavement Material	This does not show up in cross sections nor is it shown in these sheets. Refer to Summary Table for this roadway's quantity.
3 - Fill	Does not include Unusable Pavement Exc volume
4 - Expanded EBS	Will be backfilled with Borrow
5 - Reduced EBS in Fill	Reduced EBS Excavation that can be used in Fill
6 - Mass Ordinate	If EBS to be backfilled with Cut or Borrow: [(Cut + EBS) - ((Fill) - (Reduced EBS in Fill)) * Fill Factor)]

Division 1 IH 41 SB Median 2

STATION	Real Station	Distance	AREA (SF)				Incremental Vol (CY) (Unadjusted)				Cumulative Vol (CY)				Mass Ordinate
			Cut	Salvaged/ Unusable Pavement Material	Fill	EBS	Cut	Salvaged/ Unusable Pavement Material	Fill	EBS	Cut	Expanded Fill	Expanded EBS Backfill	Reduced EBS In Fill	
											1.0	1.2	1.3	0.8	
							Note 1	Note 2	Note 3				Note 4	Note 5	Note 6
567+50 AH	56750.00	0.00	0.00	3.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
568+00	56800.00	50.00	7.88	3.00	0.00	0.00	7.29	5.56	0.00	0.00	7.29	0.00	0.00	0.00	1.74
568+50	56850.00	50.00	7.88	3.00	0.00	0.00	14.58	5.56	0.00	0.00	21.88	0.00	0.00	0.00	10.76
569+00	56900.00	50.00	7.88	3.00	0.00	0.00	14.58	5.56	0.00	0.00	36.46	0.00	0.00	0.00	19.79
569+50	56950.00	50.00	7.88	3.00	0.00	0.00	14.58	5.56	0.00	0.00	51.04	0.00	0.00	0.00	28.82
570+00	57000.00	50.00	7.88	3.00	0.00	0.00	14.58	5.56	0.00	0.00	65.63	0.00	0.00	0.00	37.85
570+50	57050.00	50.00	7.88	3.00	0.00	0.00	14.58	5.56	0.00	0.00	80.21	0.00	0.00	0.00	46.88
571+00 BK	57100.00	50.00	7.88	3.00	0.00	0.00	14.58	5.56	0.00	0.00	94.79	0.00	0.00	0.00	55.90
					Column totals		94.79	38.89	0.00	0.00					

Notes:	
1 - Cut	Cut includes Salvaged/Unusable Pavement material
2 - Salvaged/Unusable Pavement Material	This does not show up in cross sections nor is it shown in these sheets. Refer to Summary Table for this roadway's quantity.
3 - Fill	Does not include Unusable Pavement Exc volume
4 - Expanded EBS	Will be backfilled with Borrow
5 - Reduced EBS in Fill	Reduced EBS Excavation that can be used in Fill
6 - Mass Ordinate	If EBS to be backfilled with Cut or Borrow: [(Cut + EBS) - ((Fill) - (Reduced EBS in Fill)) * Fill Factor)]

DIVISION 1 IH 41 SB at KR (TEMP EXIT RAMP)

STATION	Real Station	Distance	AREA (SF) Cut	AREA (SF) Salvaged/Unusable Pavement Material	AREA (SF) Fill	Incremental Vol (CY) (Unadjusted) Cut Note 1	Incremental Vol (CY) (Unadjusted) Salvaged/Unusable Pavement Material Note 2	Incremental Vol (CY) (Unadjusted) Fill Note 3	Cumulative Vol (CY) Cut 1.00	Cumulative Vol (CY) Expanded Fill 1.25	Mass Ordinate Note 6
672+40	67240	0	24	0	0	0	0	0	0	0	0
672+50	67250	10	25	0	0	9	0	0	9	0	9
673+00	67300	50	28	0	0	49	0	0	58	0	58
673+50	67350	50	29	0	0	52	0	0	110	0	110
674+00	67400	50	27	0	0	52	0	0	162	0	162
674+50	67450	50	26	0	0	49	0	0	211	0	211
675+00	67500	50	26	0	1	48	0	1	259	1	258
675+50	67550	50	26	0	1	48	0	2	308	3	304
676+00	67600	50	27	0	1	50	0	2	357	6	352
676+50	67650	50	26	0	1	49	0	2	407	8	399
677+00	67700	50	25	0	1	47	0	2	454	10	445
677+50	67750	50	24	0	1	46	0	2	500	12	488
678+00	67800	50	21	0	0	42	0	1	543	13	529
678+50	67850	50	18	0	0	36	0	0	579	13	565
679+00	67900	50	13	0	0	29	0	0	607	13	594
679+50	67950	50	8	0	0	20	0	0	627	13	614
680+00	68000	50	3	0	0	11	0	0	638	13	625
680+27	68027	27	0	0	0	2	0	0	640	13	626
			TOTALS			**640**	**0**	**11**			

Notes:	
1 - Cut	Cut includes Salvaged/Unusable Pavement material
2 - Salvaged/Unusable Pavement Material	This does not show up in cross sections
3 - Fill	Does not include Unusable Pavement Exc volume
6 - Mass Ordinate	If EBS to be backfilled with Cut or Borrow: [(Cut + EBS) - ((Fill) - (Reduced EBS in Fill)) * Fill Factor)]

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DIVISION 1 IH 41 SB at 11 (TEMP ENTRANCE RAMP)

STATION	Real Station	Distance	AREA (SF) Cut	AREA (SF) Salvaged/Unusable Pavement Material	AREA (SF) Fill	Incremental Vol (CY) (Unadjusted) Cut Note 1	Incremental Vol (CY) (Unadjusted) Salvaged/Unusable Pavement Material Note 2	Incremental Vol (CY) (Unadjusted) Fill Note 3	Cumulative Vol (CY) Cut 1.00	Cumulative Vol (CY) Expanded Fill 1.25	Mass Ordinate Note 6
727+53	72753	0	0	0	0	0	0	0	0	0	0
728+00	72800	47	4	0	0	3	0	0	3	0	3
728+50	72850	50	8	0	0	10	0	0	14	0	14
729+00	72900	50	11	0	0	18	0	0	31	0	31
729+50	72950	50	15	0	0	24	0	0	56	0	56
730+00	73000	50	18	0	0	31	0	0	86	0	86
730+50	73050	50	22	0	0	37	0	0	123	0	123
731+00	73100	50	34	0	0	51	0	0	174	0	174
731+50	73150	50	34	0	0	63	0	0	237	0	237
732+00	73200	50	30	0	0	59	0	0	296	0	296
732+50	73250	50	31	0	0	57	0	0	353	0	353
733+00	73300	50	30	0	0	57	0	0	410	0	410
733+50	73350	50	28	0	1	53	0	1	463	1	463
734+00	73400	50	25	0	2	49	0	2	513	4	509
734+50	73450	50	35	0	0	56	0	2	568	6	563
735+00	73500	50	29	0	0	59	0	0	627	6	621
735+50	73550	50	31	0	0	55	0	0	683	6	677
736+00	73600	50	29	0	0	55	0	0	738	6	732
736+50	73650	50	26	0	0	51	0	0	788	6	782
737+00	73700	50	27	0	0	49	0	0	838	6	832
737+50	73750	50	30	0	0	52	0	0	890	6	884
738+00	73800	50	28	0	0	54	0	0	944	6	938
738+15	73815	15	31	0	0	16	0	0	960	6	954
				TOTALS		960	0	5			

Notes:	
1 - Cut	Cut includes Salvaged/Unusable Pavement material
2 - Salvaged/Unusable Pavement Material	This does not show up in cross sections
3 - Fill	Does not include Unusable Pavement Exc volume
6 - Mass Ordinate	If EBS to be backfilled with Cut or Borrow: [(Cut + EBS) - ((Fill) - (Reduced EBS in Fill)) * Fill Factor)]

DIVISION 1 IH 41 SB TEMP WIDENING 901+35 - 916+58

STATION	Real Station	Distance	AREA (SF)			Incremental Vol (CY) (Unadjusted)			Cumulative Vol (CY)		Mass Ordinate
			Cut	Salvaged/Unusable Pavement Material	Fill	Cut	Salvaged/Unusable Pavement Material	Fill	Cut	Expanded Fill	
						Note 1	Note 2	Note 3	1.00	1.25	Note 6
901+35	90135	0	15	0	5	0	0	0	0	0	0
901+50	90150	15	16	0	5	8	0	3	8	3	5
902+00	90200	50	14	0	6	27	0	10	36	16	20
902+50	90250	50	66	0	0	74	0	6	110	23	87
903+00	90300	50	60	0	0	117	0	0	226	23	204
903+50	90350	50	15	0	4	69	0	4	296	27	269
904+00	90400	50	14	0	5	27	0	8	323	38	285
904+50	90450	50	14	0	3	26	0	8	349	48	301
905+00	90500	50	15	0	3	27	0	6	375	55	321
905+50	90550	50	15	0	4	28	0	6	403	63	340
906+00	90600	50	14	0	6	27	0	9	430	74	356
906+50	90650	50	14	0	4	26	0	9	456	85	371
907+00	90700	50	15	0	3	27	0	6	483	93	390
907+50	90750	50	15	0	2	28	0	5	511	99	412
908+00	90800	50	17	0	2	29	0	4	540	103	437
908+50	90850	50	19	0	2	33	0	3	573	107	466
909+00	90900	50	18	0	2	34	0	4	606	112	495
909+50	90950	50	17	0	3	32	0	5	639	117	522
910+00	91000	50	18	0	3	32	0	6	671	124	547
910+50	91050	50	18	0	4	33	0	7	704	133	571
911+00	91100	50	16	0	8	32	0	11	736	146	589
911+50	91150	50	16	0	10	30	0	16	765	166	599
912+00	91200	50	16	0	8	30	0	17	795	187	608
912+50	91250	50	16	0	13	30	0	19	825	211	614
913+00	91300	50	19	0	13	32	0	24	857	241	616
913+50	91350	50	17	0	15	33	0	26	890	273	617
914+00	91400	50	18	0	20	32	0	32	922	313	609
914+50	91450	50	18	0	25	33	0	42	955	365	590
915+00	91500	50	17	0	32	32	0	52	987	431	557
915+50	91550	50	16	0	40	30	0	66	1017	513	504
916+00	91600	50	17	0	14	30	0	50	1048	575	473
916+50	91650	50	17	0	15	32	0	27	1079	609	471
916+58	91658	8	17	0	15	5	0	5	1084	614	470
				TOTALS		**1084**	**0**	**492**			

Notes:	
1 - Cut	Cut includes Salvaged/Unusable Pavement material
2 - Salvaged/Unusable Pavement Material	This does not show up in cross sections
3 - Fill	Does not include Unusable Pavement Exc volume
6 - Mass Ordinate	If EBS to be backfilled with Cut or Borrow: [(Cut + EBS) - ((Fill) - (Reduced EBS in Fill)) * Fill Factor)]

DIVISION 1 IH 41 SB TEMP WIDENING 932+77 - 962+48

STATION	Real Station	Distance	AREA (SF)			Incremental Vol (CY) (Unadjusted)			Cumulative Vol (CY)		Mass Ordinate
			Cut	Salvaged/Unusable Pavement Material	Fill	Cut	Salvaged/Unusable Pavement Material	Fill	Cut	Expanded Fill	
						Note 1	Note 2	Note 3	1.00	1.25	Note 6
932+77	93277	0	0	0	0	0	0	0	0	0	0
933+00	93300	23	40	0	16	17	0	7	17	9	8
933+50	93350	50	47	0	23	81	0	36	98	54	44
934+00	93400	50	40	0	36	81	0	54	179	122	57
934+50	93450	50	38	0	40	72	0	70	251	210	41
935+00	93500	50	40	0	32	72	0	66	322	293	30
935+50	93550	50	41	0	18	75	0	47	397	351	46
936+00	93600	50	45	0	5	80	0	22	477	378	99
936+50	93650	50	47	0	1	85	0	5	562	385	177
937+00	93700	50	43	0	2	83	0	2	645	388	257
937+50	93750	50	41	0	2	78	0	4	723	392	331
938+00	93800	50	46	0	1	81	0	3	804	396	408
938+50	93850	50	44	0	3	83	0	4	887	401	486
939+00	93900	50	45	0	3	83	0	5	970	407	562
939+50	93950	50	45	0	3	84	0	5	1053	414	639
940+00	94000	50	47	0	4	86	0	6	1139	422	717
940+50	94050	50	44	0	7	84	0	10	1223	434	789
941+00	94100	50	43	0	8	81	0	14	1304	452	852
941+50	94150	50	78	0	0	112	0	8	1416	461	955
942+00	94200	50	81	0	0	147	0	0	1563	461	1102
942+50	94250	50	47	0	3	118	0	3	1682	465	1217
943+00	94300	50	49	0	3	89	0	5	1770	471	1299
943+50	94350	50	48	0	2	89	0	4	1859	476	1383
944+00	94400	50	49	0	1	90	0	2	1949	479	1470
944+50	94450	50	48	0	1	90	0	1	2039	481	1558
945+00	94500	50	46	0	2	87	0	2	2126	484	1643
945+50	94550	50	47	0	1	86	0	3	2213	487	1726
946+00	94600	50	46	0	2	87	0	3	2299	491	1808
946+50	94650	50	49	0	2	88	0	3	2387	495	1892
947+00	94700	50	48	0	3	89	0	4	2477	500	1976
947+50	94750	50	45	0	3	85	0	5	2562	507	2055
948+00	94800	50	49	0	2	86	0	4	2648	512	2136
948+50	94850	50	47	0	2	89	0	3	2737	516	2221
949+00	94900	50	47	0	2	88	0	3	2825	520	2305
949+50	94950	50	47	0	3	87	0	5	2912	526	2386
950+00	95000	50	42	0	8	82	0	10	2993	539	2455
950+50	95050	50	41	0	14	76	0	20	3070	564	2505
951+00	95100	50	40	0	18	75	0	29	3144	601	2544
951+50	95150	50	42	0	14	76	0	29	3220	637	2583
952+00	95200	50	41	0	9	77	0	22	3298	664	2634
952+50	95250	50	43	0	7	78	0	16	3376	683	2692
953+00	95300	50	46	0	5	82	0	11	3458	697	2761
953+50	95350	50	45	0	4	84	0	8	3543	708	2835
954+00	95400	50	49	0	1	87	0	5	3630	714	2916
954+50	95450	50	47	0	1	89	0	2	3719	717	3002
955+00	95500	50	48	0	1	88	0	2	3807	719	3088

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DIVISION 1 IH 41 SB TEMP WIDENING 932+77 - 962+48

STATION	Real Station	Distance	AREA (SF)			Incremental Vol (CY) (Unadjusted)			Cumulative Vol (CY)		Mass Ordinate
			Cut	Salvaged/Unusable Pavement Material	Fill	Cut	Salvaged/Unusable Pavement Material	Fill	Cut	Expanded Fill	
						Note 1	Note 2	Note 3	1.00	1.25	Note 6
955+50	95550	50	47	0	4	88	0	4	3895	725	3170
956+00	95600	50	48	0	9	88	0	12	3982	739	3243
956+50	95650	50	44	0	2	85	0	11	4068	752	3315
957+00	95700	50	49	0	1	86	0	3	4153	756	3397
957+50	95750	50	51	0	0	92	0	1	4245	757	3489
958+00	95800	50	49	0	0	92	0	0	4337	757	3580
958+50	95850	50	47	0	1	88	0	1	4426	757	3668
959+00	95900	50	49	0	0	89	0	1	4514	758	3756
959+50	95950	50	49	0	0	90	0	0	4604	759	3846
960+00	96000	50	48	0	0	90	0	0	4695	759	3936
960+50	96050	50	49	0	0	90	0	0	4784	759	4025
961+00	96100	50	48	0	1	90	0	1	4874	760	4113
961+50	96150	50	45	0	1	86	0	2	4960	763	4197
962+00	96200	50	49	0	1	87	0	2	5047	766	4281
962+48	96248	48	46	0	2	84	0	3	5131	769	4362
				TOTALS		5131	0	615			

Notes:	
1 - Cut	Cut includes Salvaged/Unusable Pavement material
2 - Salvaged/Unusable Pavement Material	This does not show up in cross sections
3 - Fill	Does not include Unusable Pavement Exc volume
6 - Mass Ordinate	If EBS to be backfilled with Cut or Borrow: [(Cut + EBS) - ((Fill) - (Reduced EBS in Fill)) * Fill Factor)]

DIVISION 1 IH 41 NB TEMP WIDENING 931+75 - 992+25

STATION	Real Station	Distance	AREA (SF)			Incremental Vol (CY) (Unadjusted)			Cumulative Vol (CY)		Mass Ordinate
			Cut	Salvaged/Unusable Pavement Material	Fill	Cut	Salvaged/Unusable Pavement Material	Fill	Cut	Expanded Fill	
						Note 1	Note 2	Note 3	1.00	1.25	Note 6
931+75	93175	0	18	0	0	0	0	0	0	0	0
932+00	93200	25	17	0	2	16	0	1	16	1	15
932+50	93250	50	16	0	6	30	0	8	46	11	35
933+00	93300	50	17	0	11	30	0	15	76	30	46
933+50	93350	50	17	0	18	32	0	26	108	63	45
934+00	93400	50	18	0	19	33	0	34	141	105	35
934+50	93450	50	16	0	30	31	0	45	172	161	11
935+00	93500	50	14	0	34	27	0	59	199	234	-35
935+50	93550	50	14	0	30	26	0	59	225	308	-83
936+00	93600	50	14	0	23	26	0	50	252	370	-119
936+50	93650	50	15	0	14	27	0	35	279	414	-135
937+00	93700	50	17	0	8	29	0	21	308	440	-132
937+50	93750	50	19	0	5	33	0	12	341	455	-115
938+00	93800	50	20	0	4	36	0	8	376	466	-90
938+50	93850	50	22	0	4	38	0	7	414	475	-61
939+00	93900	50	19	0	6	38	0	9	452	487	-35
939+50	93950	50	21	0	5	37	0	11	489	500	-11
940+00	94000	50	21	0	7	39	0	11	528	514	14
940+50	94050	50	19	0	12	37	0	17	565	536	29
941+00	94100	50	21	0	9	37	0	20	603	560	42
941+50	94150	50	21	0	8	39	0	16	641	580	61
942+00	94200	50	20	0	5	38	0	12	679	595	84
942+50	94250	50	20	0	6	37	0	10	716	607	109
943+00	94300	50	19	0	4	36	0	9	751	618	133
943+50	94350	50	21	0	0	37	0	4	789	624	165
944+00	94400	50	23	0	0	41	0	0	830	624	206
944+50	94450	50	24	0	0	43	0	0	873	624	249
945+00	94500	50	20	0	0	40	0	0	914	624	290
945+50	94550	50	20	0	0	37	0	0	951	624	326
946+00	94600	50	19	0	1	37	0	1	987	626	362
946+50	94650	50	18	0	4	35	0	5	1022	631	391
947+00	94700	50	18	0	5	34	0	8	1056	642	415
947+50	94750	50	20	0	5	36	0	10	1092	654	439
948+00	94800	50	23	0	2	40	0	7	1133	662	471
948+50	94850	50	23	0	2	43	0	4	1176	666	510
949+00	94900	50	21	0	3	41	0	4	1217	672	545
949+50	94950	50	23	0	0	41	0	3	1258	676	583
950+00	95000	50	22	0	0	42	0	0	1300	676	625
950+50	95050	50	21	0	0	40	0	0	1340	676	665
951+00	95100	50	25	0	0	42	0	0	1382	676	707
951+50	95150	50	35	0	0	55	0	0	1437	676	762
952+00	95200	50	38	0	0	67	0	0	1505	676	829
952+50	95250	50	37	0	0	70	0	0	1574	676	899
953+00	95300	50	36	0	0	68	0	0	1642	676	967
953+50	95350	50	36	0	0	67	0	0	1709	676	1033
954+00	95400	50	32	0	0	63	0	0	1771	676	1096

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DIVISION 1 IH 41 NB TEMP WIDENING 931+75 - 992+25

STATION	Real Station	Distance	AREA (SF)			Incremental Vol (CY) (Unadjusted)			Cumulative Vol (CY)		Mass Ordinate
			Cut	Salvaged/Unusable Pavement Material	Fill	Cut	Salvaged/Unusable Pavement Material	Fill	Cut	Expanded Fill	
						Note 1	Note 2	Note 3	1.00	1.25	Note 6
954+50	95450	50	31	0	0	58	0	0	1830	676	1154
955+00	95500	50	25	0	0	52	0	0	1882	676	1206
955+50	95550	50	25	0	0	47	0	0	1929	676	1253
956+00	95600	50	21	0	0	43	0	0	1971	676	1295
956+50	95650	50	47	0	0	62	0	0	2033	676	1357
957+00	95700	50	37	0	0	78	0	0	2111	676	1435
957+50	95750	50	37	0	0	69	0	0	2180	676	1503
958+00	95800	50	33	0	0	65	0	0	2244	676	1568
958+50	95850	50	33	0	0	61	0	0	2305	676	1629
959+00	95900	50	35	0	0	63	0	0	2369	676	1692
959+50	95950	50	29	0	0	60	0	0	2428	676	1752
960+00	96000	50	26	0	0	51	0	0	2479	676	1803
960+50	96050	50	29	0	0	51	0	0	2530	676	1854
961+00	96100	50	30	0	0	55	0	0	2585	676	1909
961+50	96150	50	30	0	0	56	0	0	2641	676	1965
962+00	96200	50	31	0	0	57	0	0	2698	676	2021
962+50	96250	50	29	0	0	56	0	0	2753	676	2077
963+00	96300	50	30	0	0	54	0	0	2807	676	2131
963+50	96350	50	28	0	0	53	0	0	2861	676	2185
964+00	96400	50	27	0	0	51	0	0	2912	676	2235
964+50	96450	50	22	0	0	45	0	0	2957	676	2281
965+00	96500	50	22	0	0	41	0	0	2998	677	2321
965+50	96550	50	20	0	0	40	0	0	3038	677	2361
966+00	96600	50	20	0	2	38	0	2	3075	680	2396
966+50	96650	50	24	0	0	41	0	2	3116	682	2435
967+00	96700	50	22	0	1	42	0	1	3158	683	2476
967+50	96750	50	22	0	1	41	0	2	3199	686	2513
968+00	96800	50	20	0	2	39	0	3	3238	690	2548
968+50	96850	50	20	0	2	37	0	4	3275	695	2580
969+00	96900	50	18	0	6	35	0	7	3310	703	2607
969+50	96950	50	19	0	5	34	0	10	3344	715	2629
970+00	97000	50	19	0	2	35	0	6	3379	723	2656
970+50	97050	50	17	0	3	33	0	4	3413	729	2684
971+00	97100	50	19	0	1	33	0	4	3446	734	2712
971+50	97150	50	18	0	1	34	0	1	3480	735	2745
972+00	97200	50	17	0	2	32	0	2	3512	738	2774
972+50	97250	50	16	0	1	30	0	2	3543	741	2802
973+00	97300	50	16	0	2	30	0	3	3573	744	2828
973+50	97350	50	23	0	0	36	0	2	3609	747	2862
974+00	97400	50	16	0	3	36	0	3	3645	751	2894
974+50	97450	50	17	0	1	31	0	4	3676	757	2920
975+00	97500	50	16	0	2	31	0	3	3707	760	2947
975+50	97550	50	16	0	2	30	0	4	3737	765	2972
976+00	97600	50	16	0	2	30	0	3	3767	769	2998

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DIVISION 1 IH 41 NB TEMP WIDENING 931+75 - 992+25

STATION	Real Station	Distance	AREA (SF)			Incremental Vol (CY) (Unadjusted)			Cumulative Vol (CY)		Mass Ordinate
			Cut	Salvaged/Unusable Pavement Material	Fill	Cut	Salvaged/Unusable Pavement Material	Fill	Cut	Expanded Fill	
						Note 1	Note 2	Note 3	1.00	1.25	Note 6
976+50	97650	50	16	0	1	29	0	3	3796	772	3024
977+00	97700	50	15	0	2	28	0	3	3824	776	3048
977+50	97750	50	16	0	2	28	0	3	3853	780	3072
978+00	97800	50	22	0	1	35	0	2	3887	783	3104
978+50	97850	50	22	0	0	41	0	1	3928	784	3144
979+00	97900	50	27	0	0	46	0	0	3974	784	3190
979+50	97950	50	26	0	0	50	0	0	4024	784	3240
980+00	98000	50	27	0	0	49	0	0	4073	784	3289
980+50	98050	50	21	0	0	44	0	0	4117	784	3333
981+00	98100	50	22	0	0	40	0	0	4157	784	3373
981+50	98150	50	18	0	0	38	0	0	4195	784	3411
982+00	98200	50	19	0	0	35	0	0	4230	784	3446
982+50	98250	50	22	0	0	38	0	0	4268	784	3484
983+00	98300	50	20	0	0	39	0	0	4307	784	3522
983+50	98350	50	22	0	0	39	0	0	4346	784	3561
984+00	98400	50	20	0	0	39	0	0	4384	784	3600
984+50	98450	50	25	0	0	42	0	0	4426	784	3642
985+00	98500	50	29	0	0	50	0	0	4476	784	3691
985+50	98550	50	31	0	0	55	0	0	4531	784	3746
986+00	98600	50	30	0	0	56	0	0	4587	784	3803
986+50	98650	50	29	0	0	55	0	0	4641	784	3857
987+00	98700	50	30	0	0	54	0	0	4696	784	3911
987+50	98750	50	27	0	0	53	0	0	4748	784	3964
988+00	98800	50	21	0	0	44	0	0	4793	784	4008
988+50	98850	50	22	0	1	39	0	1	4832	786	4046
989+00	98900	50	20	0	1	39	0	2	4871	788	4083
989+50	98950	50	22	0	4	39	0	5	4910	794	4116
990+00	99000	50	22	0	7	41	0	11	4950	807	4143
990+50	99050	50	22	0	12	40	0	18	4991	829	4161
991+00	99100	50	19	0	18	38	0	27	5029	864	4165
991+50	99150	50	21	0	37	38	0	51	5066	927	4139
992+00	99200	50	17	0	48	36	0	79	5102	1025	4077
992+25	99225	25	17	0	51	16	0	46	5118	1082	4036
			TOTALS			**5118**	**0**	**866**			

Notes:	
1 - Cut	Cut includes Salvaged/Unusable Pavement material
2 - Salvaged/Unusable Pavement Material	This does not show up in cross sections
3 - Fill	Does not include Unusable Pavement Exc volume
6 - Mass Ordinate	If EBS to be backfilled with Cut or Borrow: [(Cut + EBS) - ((Fill) - (Reduced EBS in Fill)) * Fill Factor)]

DIVISION 1 IH 41 NB TEMP WIDENING 1007+00 - 1024+00

STATION	Real Station	Distance	AREA (SF)			Incremental Vol (CY) (Unadjusted)			Cumulative Vol (CY)		Mass Ordinate
			Cut	Salvaged/Unusable Pavement Material	Fill	Cut	Salvaged/Unusable Pavement Material	Fill	Cut	Expanded Fill	
						Note 1	Note 2	Note 3	1.00	1.25	Note 6
1007+00	100700	0	15	0	31	0	0	0	0	0	0
1007+50	100750	50	17	0	20	30	0	47	30	59	-30
1008+00	100800	50	18	0	11	32	0	29	62	95	-33
1008+50	100850	50	17	0	8	32	0	18	94	117	-23
1009+00	100900	50	18	0	3	32	0	11	126	131	-4
1009+50	100950	50	19	0	1	35	0	4	161	136	26
1010+00	101000	50	21	0	0	38	0	1	199	137	63
1010+50	101050	50	25	0	0	43	0	0	242	137	106
1011+00	101100	50	30	0	0	51	0	0	293	137	157
1011+50	101150	50	30	0	0	56	0	0	349	137	213
1012+00	101200	50	27	0	0	53	0	0	402	137	266
1012+50	101250	50	25	0	0	48	0	0	451	137	314
1013+00	101300	50	29	0	0	50	0	0	501	137	364
1013+50	101350	50	26	0	0	51	0	0	552	137	415
1014+00	101400	50	23	0	0	46	0	0	597	137	461
1014+50	101450	50	26	0	0	46	0	0	643	137	507
1015+00	101500	50	30	0	0	52	0	0	696	137	559
1015+50	101550	50	30	0	0	56	0	0	751	136	615
1016+00	101600	50	31	0	0	57	0	0	808	136	672
1016+50	101650	50	29	0	0	56	0	0	864	136	727
1017+00	101700	50	21	0	0	46	0	0	910	137	773
1017+50	101750	50	22	0	1	39	0	1	949	138	811
1018+00	101800	50	22	0	2	40	0	3	989	142	848
1018+50	101850	50	20	0	5	39	0	7	1028	150	878
1019+00	101900	50	20	0	8	37	0	12	1065	165	900
1019+50	101950	50	20	0	13	37	0	19	1103	189	913
1020+00	102000	50	18	0	4	35	0	16	1138	209	929
1020+50	102050	50	18	0	3	33	0	6	1171	217	954
1021+00	102100	50	23	0	16	38	0	17	1209	239	970
1021+50	102150	50	18	0	16	38	0	29	1246	275	971
1022+00	102200	50	16	0	19	31	0	32	1278	316	962
1022+50	102250	50	21	0	17	35	0	33	1312	357	955
1023+00	102300	50	24	0	16	42	0	31	1354	396	958
1023+50	102350	50	25	0	13	45	0	27	1399	430	969
1024+00	102400	50	0	0	0	23	0	12	1423	445	978
				TOTALS		**1423**	**0**	**356**			

Notes:	
1 - Cut	Cut includes Salvaged/Unusable Pavement material
2 - Salvaged/Unusable Pavement Material	This does not show up in cross sections
3 - Fill	Does not include Unusable Pavement Exc volume
6 - Mass Ordinate	If EBS to be backfilled with Cut or Borrow: [(Cut + EBS) - ((Fill) - (Reduced EBS in Fill)) * Fill Factor)]

DIVISION 1 IH 41 NB TEMP WIDENING 1093+00 - 1129+13

STATION	Real Station	Distance	AREA (SF)			Incremental Vol (CY) (Unadjusted)			Cumulative Vol (CY)		
			Cut	Salvaged/Unusable Pavement Material	Fill	Cut Note 1	Salvaged/Unusable Pavement Material Note 2	Fill Note 3	Cut 1.00	Expanded Fill 1.25	Mass Ordinate Note 6
1093+00	109300	0	33	0	0	0	0	0	0	0	0
1093+50	109350	50	32	0	0	60	0	0	60	0	60
1094+00	109400	50	26	0	0	53	0	0	113	0	113
1094+50	109450	50	22	0	0	44	0	0	157	0	157
1095+00	109500	50	18	0	0	37	0	0	194	0	194
1095+50	109550	50	20	0	0	35	0	0	229	0	229
1096+00	109600	50	28	0	0	44	0	0	274	0	274
1096+50	109650	50	28	0	0	52	0	0	325	0	325
1097+00	109700	50	29	0	0	53	0	0	378	0	378
1097+50	109750	50	27	0	0	52	0	0	430	0	430
1098+00	109800	50	29	0	0	52	0	0	483	0	483
1098+50	109850	50	31	0	0	56	0	0	538	0	538
1099+00	109900	50	18	0	0	45	0	0	583	0	583
1099+50	109950	50	15	0	1	30	0	1	614	1	613
1100+00	110000	50	15	0	1	28	0	1	642	3	639
1100+50	110050	50	15	0	2	28	0	3	670	6	664
1101+00	110100	50	15	0	3	28	0	5	698	12	686
1101+50	110150	50	14	0	4	27	0	7	725	21	704
1102+00	110200	50	16	0	1	28	0	4	753	26	727
1102+50	110250	50	16	0	0	30	0	1	783	27	756
1103+00	110300	50	16	0	1	30	0	1	813	29	785
1103+50	110350	50	18	0	0	32	0	1	845	30	816
1104+00	110400	50	17	0	1	32	0	1	878	30	847
1104+50	110450	50	15	0	4	29	0	4	907	35	872
1105+00	110500	50	15	0	3	27	0	6	934	43	891
1105+50	110550	50	15	0	3	28	0	6	961	50	912
1106+00	110600	50	15	0	2	28	0	4	990	55	934
1106+50	110650	50	15	0	2	27	0	4	1017	60	957
1107+00	110700	50	13	0	2	25	0	4	1042	65	977
1107+50	110750	50	14	0	1	25	0	3	1067	69	998
1108+00	110800	50	16	0	0	28	0	1	1095	71	1024
1108+50	110850	50	16	0	0	30	0	1	1125	71	1054
1109+00	110900	50	17	0	1	30	0	1	1155	73	1082
1109+50	110950	50	17	0	1	31	0	1	1186	75	1112
1110+00	111000	50	16	0	2	30	0	2	1217	78	1139
1110+50	111050	50	15	0	3	29	0	5	1246	83	1162
1111+00	111100	50	15	0	2	28	0	5	1274	90	1184
1111+50	111150	50	16	0	4	28	0	6	1302	97	1205
1112+00	111200	50	15	0	3	28	0	6	1330	104	1226
1112+50	111250	50	16	0	2	28	0	5	1358	110	1248
1113+00	111300	50	16	0	14	29	0	15	1387	129	1258
1113+50	111350	50	16	0	12	30	0	24	1416	158	1258
1114+00	111400	50	15	0	12	29	0	22	1446	186	1260

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DIVISION 1 IH 41 NB TEMP WIDENING 1093+00 - 1129+13

STATION	Real Station	Distance	AREA (SF)			Incremental Vol (CY) (Unadjusted)			Cumulative Vol (CY)		Mass Ordinate
			Cut	Salvaged/Unusable Pavement Material	Fill	Cut	Salvaged/Unusable Pavement Material	Fill	Cut	Expanded Fill	
						Note 1	Note 2	Note 3	1.00	1.25	Note 6
1114+50	111450	50	15	0	9	28	0	19	1474	210	1264
1115+00	111500	50	16	0	7	29	0	15	1503	229	1274
1115+50	111550	50	15	0	7	28	0	13	1531	245	1286
1116+00	111600	50	15	0	5	28	0	11	1559	259	1300
1116+50	111650	50	15	0	4	28	0	8	1587	269	1318
1117+00	111700	50	14	0	5	27	0	8	1614	279	1335
1117+50	111750	50	14	0	4	26	0	8	1639	289	1350
1118+00	111800	50	14	0	3	26	0	6	1665	297	1369
1118+50	111850	50	14	0	3	26	0	5	1692	303	1389
1119+00	111900	50	14	0	0	26	0	3	1718	307	1411
1119+50	111950	50	24	0	0	35	0	0	1753	307	1446
1120+00	112000	50	32	0	0	52	0	0	1805	307	1498
1120+50	112050	50	26	0	0	54	0	0	1859	308	1552
1121+00	112100	50	22	0	2	45	0	3	1904	311	1593
1121+50	112150	50	17	0	6	36	0	8	1940	321	1620
1122+00	112200	50	19	0	5	33	0	10	1973	333	1641
1122+50	112250	50	15	0	6	31	0	10	2005	345	1659
1123+00	112300	50	15	0	9	28	0	14	2032	363	1670
1123+50	112350	50	12	0	12	25	0	19	2057	386	1671
1124+00	112400	50	14	0	11	24	0	21	2081	413	1669
1124+50	112450	50	15	0	10	26	0	19	2107	437	1671
1125+00	112500	50	14	0	14	27	0	22	2134	464	1670
1125+50	112550	50	15	0	12	27	0	24	2161	494	1667
1126+00	112600	50	29	0	8	41	0	18	2202	517	1685
1126+50	112650	50	27	0	6	52	0	12	2255	533	1722
1127+00	112700	50	26	0	4	49	0	9	2304	544	1760
1127+50	112750	50	22	0	2	45	0	6	2349	551	1797
1128+00	112800	50	20	0	1	40	0	3	2388	555	1834
1128+50	112850	50	21	0	0	38	0	1	2426	555	1871
1129+00	112900	50	22	0	0	40	0	0	2466	555	1911
1129+13	112913	13	22	0	0	11	0	0	2477	555	1922
				TOTALS		**2477**	**0**	**444**			

Notes:	
1 - Cut	Cut includes Salvaged/Unusable Pavement material
2 - Salvaged/Unusable Pavement Material	This does not show up in cross sections
3 - Fill	Does not include Unusable Pavement Exc volume
6 - Mass Ordinate	If EBS to be backfilled with Cut or Borrow: [(Cut + EBS) - ((Fill) - (Reduced EBS in Fill)) * Fill Factor)]

DIVISION 2 IH 41 MEDIAN CROSSOVER 829+00 - 843+50

STATION	Real Station	Distance	AREA (SF) Cut	AREA (SF) Salvaged/Unusable Pavement Material	AREA (SF) Fill	Incremental Vol (CY) (Unadjusted) Cut Note 1	Incremental Vol (CY) (Unadjusted) Salvaged/Unusable Pavement Material Note 2	Incremental Vol (CY) (Unadjusted) Fill Note 3	Cumulative Vol (CY) Cut 1.00	Cumulative Vol (CY) Expanded Fill 1.25	Mass Ordinate Note 6
829+00	82900	0	28	0	0	0	0	0	0	0	0
829+50	82950	50	28	0	0	52	0	0	52	0	52
830+00	83000	50	28	0	0	52	0	0	103	0	103
830+50	83050	50	28	0	0	52	0	0	155	0	155
831+00	83100	50	28	0	0	52	0	0	207	0	207
831+50	83150	50	28	0	0	52	0	0	259	0	259
832+00	83200	50	28	0	0	51	0	0	310	0	310
832+50	83250	50	28	0	0	51	0	0	361	0	361
833+00	83300	50	28	0	0	51	0	0	413	0	413
833+50	83350	50	28	0	0	51	0	0	464	0	464
834+00	83400	50	27	0	0	51	0	0	515	0	515
834+50	83450	50	27	0	0	51	0	0	565	0	565
835+00	83500	50	27	0	0	51	0	0	616	0	616
835+50	83550	50	27	0	0	51	0	0	667	0	667
836+00	83600	50	27	0	0	51	0	0	717	0	717
836+50	83650	50	27	0	0	51	0	0	768	0	768
837+00	83700	50	27	0	0	51	0	0	819	0	819
837+50	83750	50	27	0	0	51	0	0	870	0	870
838+00	83800	50	27	0	0	51	0	0	920	0	920
838+50	83850	50	27	0	0	51	0	0	971	0	971
839+00	83900	50	27	0	0	51	0	0	1021	0	1021
839+50	83950	50	27	0	0	51	0	0	1072	0	1072
840+00	84000	50	27	0	0	50	0	0	1122	0	1122
840+50	84050	50	27	0	0	50	0	0	1173	0	1173
841+00	84100	50	27	0	0	51	0	0	1223	0	1223
841+50	84150	50	27	0	0	51	0	0	1274	0	1274
842+00	84200	50	28	0	0	51	0	0	1325	0	1325
842+50	84250	50	28	0	0	51	0	0	1376	0	1376
843+00	84300	50	27	0	0	51	0	0	1427	0	1427
843+50	84350	50	27	0	0	50	0	0	1477	0	1477
			TOTALS			**1477**	**0**	**0**			

Notes:	
1 - Cut	Cut includes Salvaged/Unusable Pavement material
2 - Salvaged/Unusable Pavement Material	This does not show up in cross sections
3 - Fill	Does not include Unusable Pavement Exc volume
6 - Mass Ordinate	If EBS to be backfilled with Cut or Borrow: [(Cut + EBS) - ((Fill) - (Reduced EBS in Fill)) * Fill Factor)]

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DIVISION 2 IH 41 MEDIAN CROSSOVER 882+00 - 888+00

STATION	Real Station	Distance	AREA (SF) Cut	AREA (SF) Salvaged/Unusable Pavement Material	AREA (SF) Fill	Incremental Vol (CY) (Unadjusted) Cut Note 1	Incremental Vol (CY) (Unadjusted) Salvaged/Unusable Pavement Material Note 2	Incremental Vol (CY) (Unadjusted) Fill Note 3	Cumulative Vol (CY) Cut 1.00	Cumulative Vol (CY) Expanded Fill 1.25	Mass Ordinate Note 6
882+00	88200	0	27	0	0	0	0	0	0	0	0
882+50	88250	50	27	0	0	51	0	0	51	0	51
883+00	88300	50	27	0	0	51	0	0	101	0	101
883+50	88350	50	28	0	0	51	0	0	152	0	152
884+00	88400	50	27	0	0	51	0	0	203	0	203
884+50	88450	50	27	0	0	51	0	0	254	0	254
885+00	88500	50	27	0	0	51	0	0	304	0	304
885+50	88550	50	27	0	0	51	0	0	355	0	355
886+00	88600	50	28	0	0	51	0	0	406	0	406
886+50	88650	50	27	0	0	51	0	0	457	0	457
887+00	88700	50	27	0	0	51	0	0	508	0	508
887+50	88750	50	27	0	0	51	0	0	558	0	558
888+00	88800	50	27	0	0	50	0	0	609	0	609
			TOTALS			**609**	**0**	**0**			

DIVISION 2 IH 41 MEDIAN CROSSOVER 1137+00 - 1143+10

STATION	Real Station	Distance	AREA (SF) Cut	AREA (SF) Salvaged/Unusable Pavement Material	AREA (SF) Fill	Incremental Vol (CY) (Unadjusted) Cut Note 1	Incremental Vol (CY) (Unadjusted) Salvaged/Unusable Pavement Material Note 2	Incremental Vol (CY) (Unadjusted) Fill Note 3	Cumulative Vol (CY) Cut 1.00	Cumulative Vol (CY) Expanded Fill 1.25	Mass Ordinate Note 6
1137+00	113700	0	27	0	0	0	0	0	0	0	0
1137+50	113750	50	27	0	0	50	0	0	50	0	50
1138+00	113800	50	27	0	0	51	0	0	101	0	101
1138+50	113850	50	28	0	0	51	0	0	152	0	152
1139+00	113900	50	28	0	0	51	0	0	203	0	203
1139+50	113950	50	28	0	0	51	0	0	254	0	254
1140+00	114000	50	27	0	0	51	0	0	305	0	305
1140+50	114050	50	27	0	0	50	0	0	356	0	356
1141+00	114100	50	28	0	0	51	0	0	406	0	406
1141+50	114150	50	28	0	0	51	0	0	457	0	457
1142+00	114200	50	27	0	0	51	0	0	508	0	508
1142+50	114250	50	28	0	0	51	0	0	559	0	559
1143+00	114300	50	27	0	0	51	0	0	610	0	610
1143+10	114310	10	28	0	0	10	0	0	620	0	620
			TOTALS			**620**	**0**	**0**			

DIVISION 2 IH 41 MEDIAN CROSSOVER 1168+00 - 1188+00

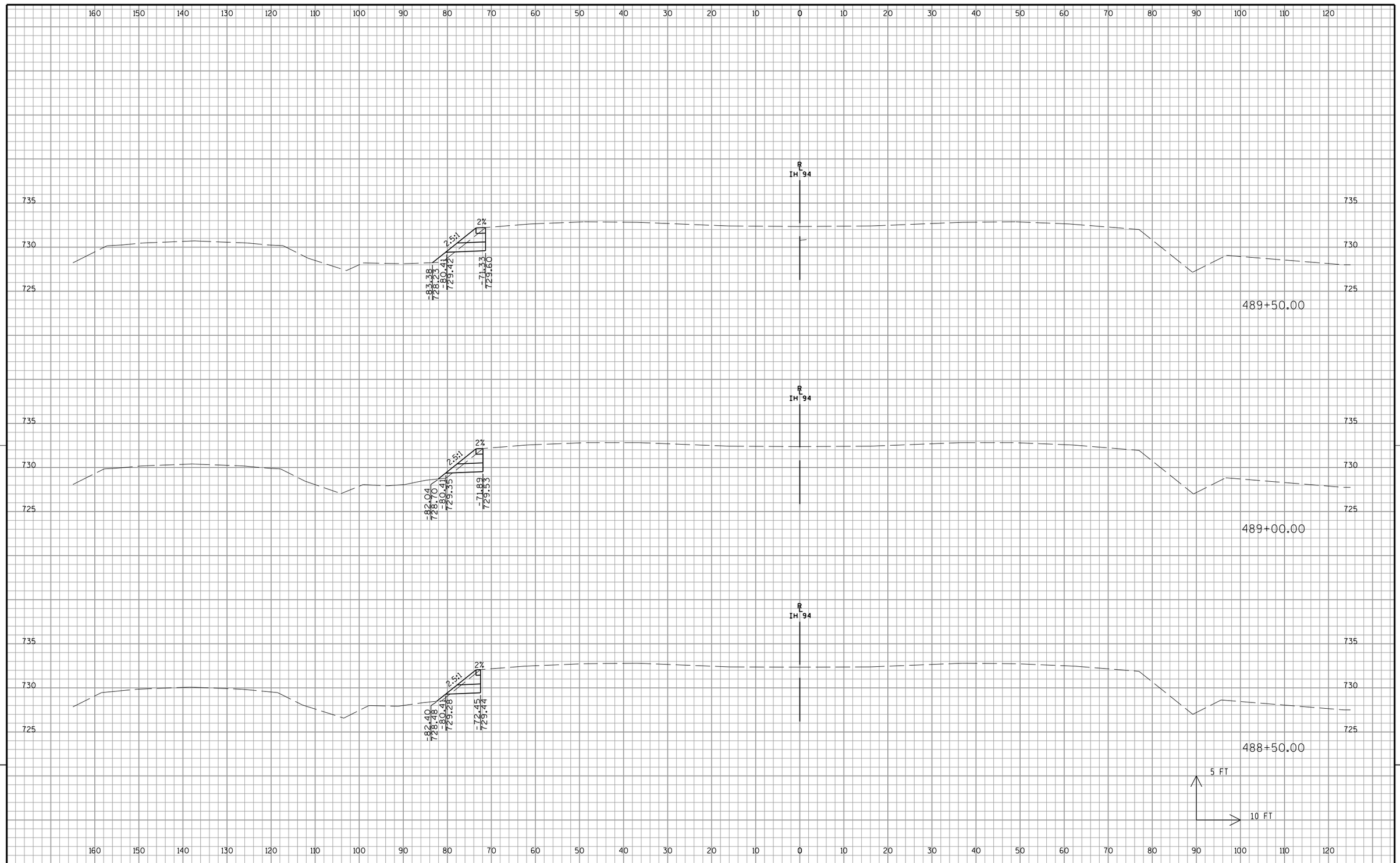
STATION	Real Station	Distance	AREA (SF)			Incremental Vol (CY) (Unadjusted)			Cumulative Vol (CY)		Mass Ordinate
			Cut	Salvaged/Unusable Pavement Material	Fill	Cut	Salvaged/Unusable Pavement Material	Fill	Cut	Expanded Fill	
						Note 1	Note 2	Note 3	1.00	1.25	Note 6
1168+00	116800	0	28	0	0	0	0	0	0	0	0
1168+50	116850	50	28	0	0	52	0	0	52	0	52
1169+00	116900	50	27	0	0	51	0	0	102	0	102
1169+50	116950	50	28	0	0	51	0	0	154	0	154
1170+00	117000	50	28	0	0	52	0	0	206	0	206
1170+50	117050	50	26	0	0	50	0	0	256	0	256
1171+00	117100	50	29	0	0	51	0	0	306	0	306
1171+50	117150	50	28	0	0	52	0	0	359	0	359
1172+00	117200	50	28	0	0	52	0	0	410	0	410
1172+50	117250	50	27	0	0	51	0	0	461	0	461
1173+00	117300	50	28	0	0	51	0	0	512	0	512
1173+50	117350	50	27	0	0	51	0	0	563	0	563
1174+00	117400	50	26	0	0	50	0	0	613	0	613
1174+50	117450	50	28	0	0	50	0	0	663	0	663
1175+00	117500	50	27	0	0	51	0	0	714	0	714
1175+50	117550	50	27	0	0	50	0	0	765	0	765
1176+00	117600	50	28	0	0	51	0	0	816	0	816
1176+50	117650	50	28	0	0	52	0	0	868	0	868
1177+00	117700	50	28	0	0	52	0	0	920	0	920
1177+50	117750	50	30	0	0	53	0	0	973	0	973
1178+00	117800	50	28	0	0	54	0	0	1027	0	1027
1178+50	117850	50	27	0	0	51	0	0	1078	0	1078
1179+00	117900	50	28	0	0	51	0	0	1129	0	1129
1179+50	117950	50	28	0	0	52	0	0	1181	0	1181
1180+00	118000	50	28	0	0	51	0	0	1232	0	1232
1180+50	118050	50	28	0	0	51	0	0	1283	0	1283
1181+00	118100	50	30	0	0	53	0	0	1336	0	1336
1181+50	118150	50	28	0	0	53	0	0	1390	0	1390
1182+00	118200	50	27	0	0	52	0	0	1441	0	1441
1182+50	118250	50	29	0	0	53	0	0	1494	0	1494
1183+00	118300	50	30	0	0	55	0	0	1548	0	1548
1183+50	118350	50	30	0	0	55	0	0	1603	0	1603
1184+00	118400	50	29	0	0	54	0	0	1658	0	1658
1184+50	118450	50	29	0	0	54	0	0	1712	0	1712
1185+00	118500	50	30	0	0	55	0	0	1766	0	1766
1185+50	118550	50	28	0	0	54	0	0	1820	0	1820
1186+00	118600	50	28	0	0	52	0	0	1872	0	1872
1186+50	118650	50	27	0	0	51	0	0	1923	0	1923
1187+00	118700	50	28	0	0	51	0	0	1974	0	1974
1187+50	118750	50	27	0	0	51	0	0	2025	0	2025
1188+00	118800	50	27	0	0	50	0	0	2075	0	2075
			TOTALS			**2075**	**0**	**0**			

TEMPORARY PAVEMENT DETAILS

STATION	Distance	AREA (SF)		Incremental Vol (CY) (Unadjusted)		Cumulative Vol (CY)		Mass Ordinate CY
		Cut	Fill	Cut	Fill	Cut	Expanded Fill 1.25	
1024+00	0	25	0	0	0	0	0	0
1024+50	50	25	0	46	0	46	0	46
1025+00	50	23	0	44	0	91	0	91
1025+50	50	24	0	44	0	134	0	134
1026+00	50	24	0	45	0	179	0	179
TOTALS				179	0			

STATION	Distance	AREA (SF)		Incremental Vol (CY) (Unadjusted)		Cumulative Vol (CY)		Mass Ordinate CY
		Cut	Fill	Cut	Fill	Cut	Expanded Fill 1.25	
1037+00	0	5	0	0	0	0	0	0
1037+50	50	9	0	13	0	13	0	12
1038+00	50	15	0	22	0	35	1	34
1038+50	50	19	4	31	4	66	6	61
1039+00	50	21	10	37	13	103	22	81
1039+50	50	23	6	40	15	143	40	103
1040+00	50	23	5	42	10	185	53	133
1040+50	50	21	2	40	6	226	60	165
1041+00	50	13	0	31	2	257	63	194
1041+50	50	5	0	16	1	273	64	209
TOTALS				273	51			

STATION		Distance	AREA (SF) Cut	AREA (SF) Fill	Incremental Vol (CY) (Unadjusted) Cut	Incremental Vol (CY) (Unadjusted) Fill	Cumulative Vol (CY) Cut	Cumulative Vol (CY) Expanded Fill 1.25	Mass Ordinate CY
1075+50		0	5	0	0	0	0	0	0
1076+00		50	7	0	11	0	11	0	11
1076+50		50	9	0	15	0	26	1	25
1077+00		50	11	1	19	1	45	2	43
1077+50		50	10	1	20	1	64	4	61
1078+00		50	8	0	17	1	82	5	77
1078+50		50	6	0	13	0	95	5	90
1079+00		50	4	0	10	0	105	5	100
1079+50		50	4	0	8	0	113	6	107
1080+00		50	0	0	4	0	117	6	111
1080+50		50	4	0	4	0	121	6	115
1081+00		50	6	0	10	0	131	6	125
1081+50		50	9	0	14	0	145	6	139
1082+00		50	11	0	18	0	163	7	156
1082+50		50	11	0	20	0	183	7	176
1083+00		50	11	0	20	0	203	7	195
1083+50		50	11	0	20	0	223	8	215
1084+00		50	10	2	19	3	242	11	231
1084+50		50	10	4	18	6	260	19	242
1085+00		50	10	3	19	7	279	27	252
1085+50		50	10	5	19	8	297	37	261
1086+00		50	10	5	18	9	315	48	267
1086+50		50	9	3	18	7	333	57	276
1087+00		50	10	4	18	6	351	65	286
1087+50		50	9	5	17	8	368	75	293
1088+00		50	10	3	17	7	385	84	301
1088+50		50	9	4	18	7	403	92	311
1089+00		50	9	2	17	6	420	99	321
1089+50		50	10	2	18	4	438	104	334
1090+00		50	9	2	18	3	456	108	348
1090+50		50	10	2	18	3	474	112	362
1091+00		50	9	2	18	3	492	116	376
1091+50		50	10	1	18	3	510	120	390
1092+00		50	10	2	19	3	529	123	405
1092+50		50	10	3	18	5	547	129	418
1093+00		50	10	1	18	4	565	134	431
TOTALS					565	107			



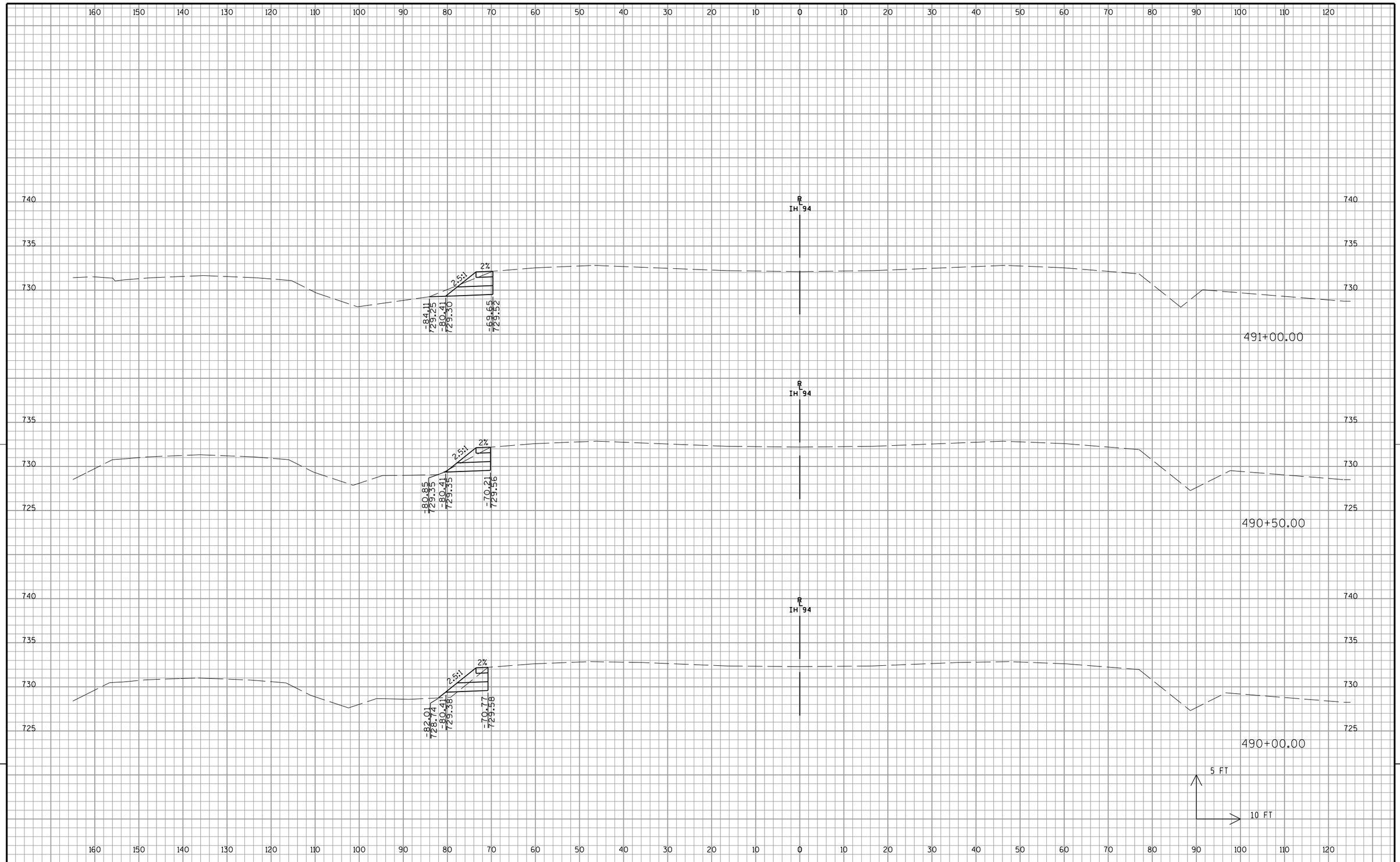
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PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	CROSS SECTIONS: IH 41 SB TEMPORARY WIDENING - STAGE 1	SHEET 383	E

FILE NAME : L:\Jobs2008\20080094-01\CAD\Transportation\dgn\00\1035-04-71_Mitigation\090201_xs_94SB.dgn PLOT DATE : 11/21/2017 PLOT BY : GRAEF PLOT NAME : PLOT SCALE : 20.0000 sf / in.

WISDOT/CADDS SHEET 21

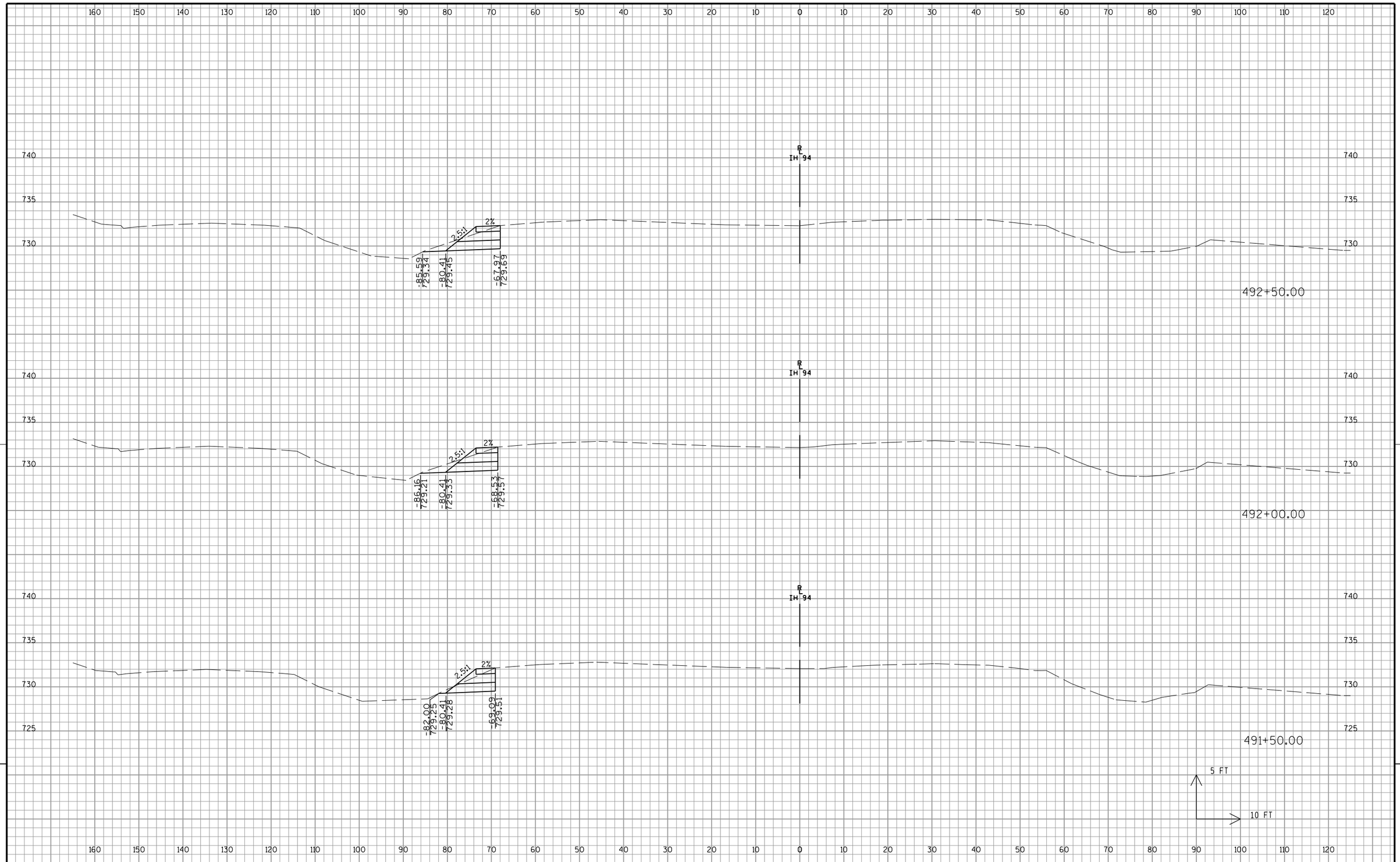


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PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	CROSS SECTIONS: IH 41 SB TEMPORARY WIDENING - STAGE 1	SHEET 384	E

FILE NAME : L:\Jobs2008\20080094-01\CAD\Transportation\dgn\00\1035-04-71_Mitigation\090201_xs_94SB.dgn
PLOT DATE : 11/21/2017
PLOT BY : GRAEF
PLOT NAME :
PLOT SCALE : 20.0000 sf / in.
WISDOT/CADDS SHEET 21



9

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PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	CROSS SECTIONS: IH 41 SB TEMPORARY WIDENING - STAGE 1	SHEET 385	E

FILE NAME : L:\Jobs2008\20080094-01\CAD\Transportation\dgn\00\1035-04-71_Mitigation\090201_xs_94SB.dgn
PLOT DATE : 11/21/2017
PLOT BY : GRAEF
PLOT NAME :
PLOT SCALE : 20.0000 sf / in.
WISDOT/CADDS SHEET 21

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740
735
730

2%
-72.44
730.12
-66.32
730.25
℄ IH 94

494+00.00

740
735
730

2%
-73.34
729.84
-66.85
729.97
℄ IH 94

493+50.00

740
735
730

2%
2.5%
-85.03
729.54
-80.41
729.63
-67.41
729.89
℄ IH 94

493+00.00

5 FT
10 FT

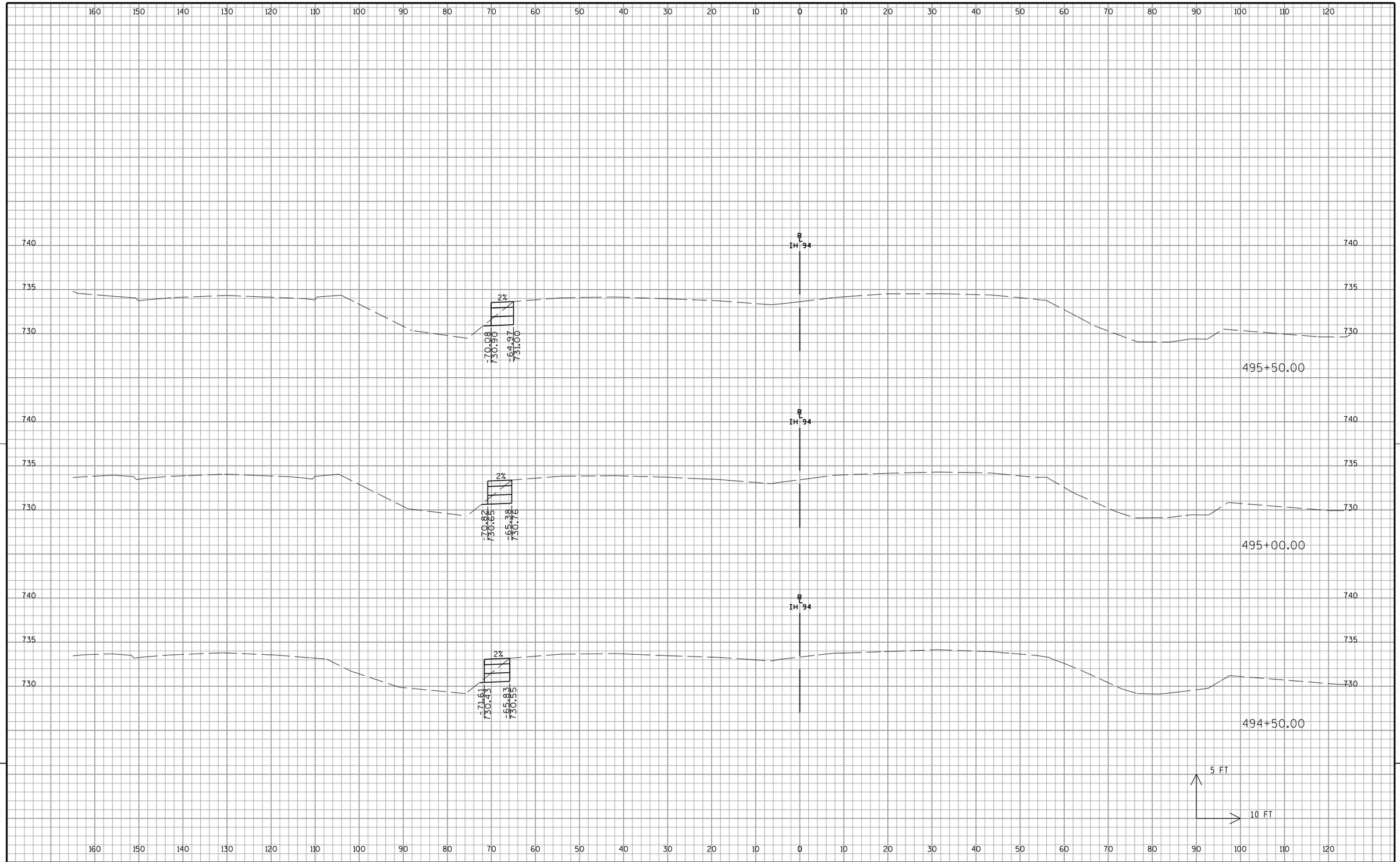
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PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	CROSS SECTIONS: IH 41 SB TEMPORARY WIDENING - STAGE 1	SHEET 386	E

FILE NAME : L:\Jobs2008\20080094-01\CAD\Transportation\dgn\00\1035-04-71_Mitigation\090201_xs_94SB.dgn
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PLOT BY : GRAEF
PLOT NAME :
PLOT SCALE : 20.0000 sf / in.



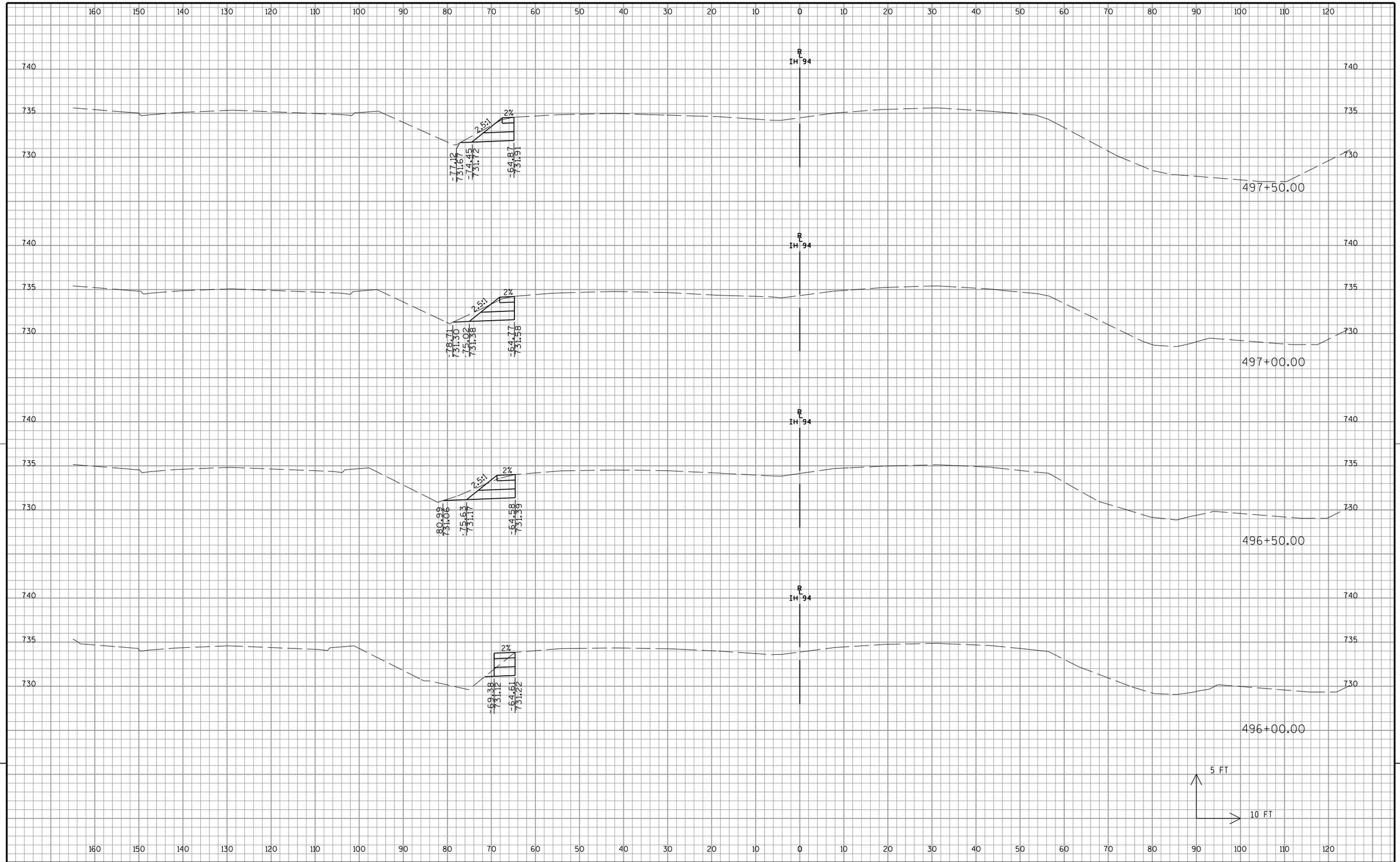
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PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	CROSS SECTIONS: IH 41 SB TEMPORARY WIDENING - STAGE 1	SHEET 387	E

FILE NAME : L:\Jobs2008\20080094-01\CAD\Transportation\dgn\00\1035-04-71_Mitigation\090201_xs_94SB.dgn PLOT DATE : 11/21/2017 PLOT BY : GRAEF PLOT NAME : PLOT SCALE : 20.0000 sf / in.

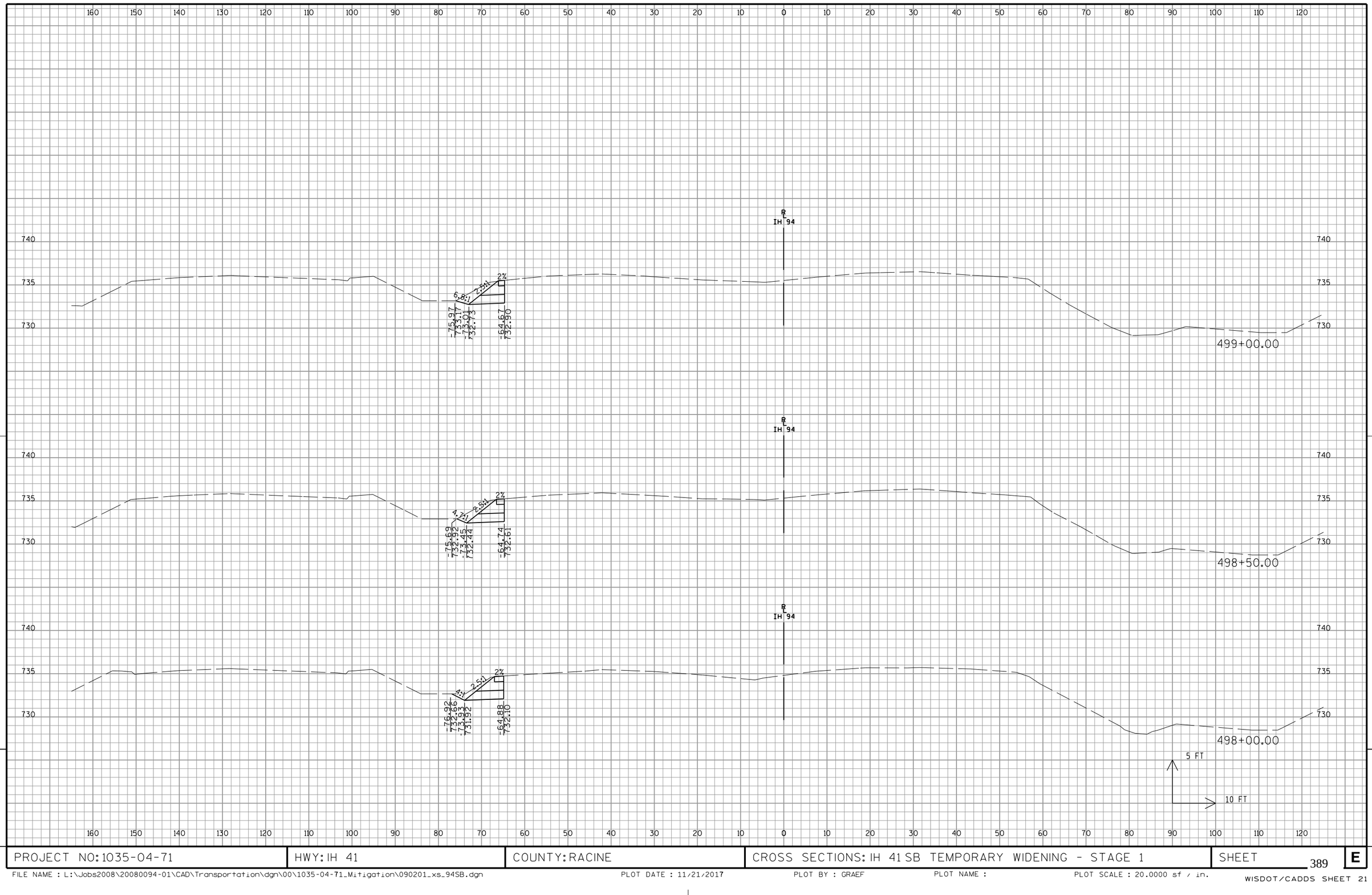
WISDOT/CADDS SHEET 21



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PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	CROSS SECTIONS: IH 41 SB TEMPORARY WIDENING - STAGE 1	SHEET 388	E



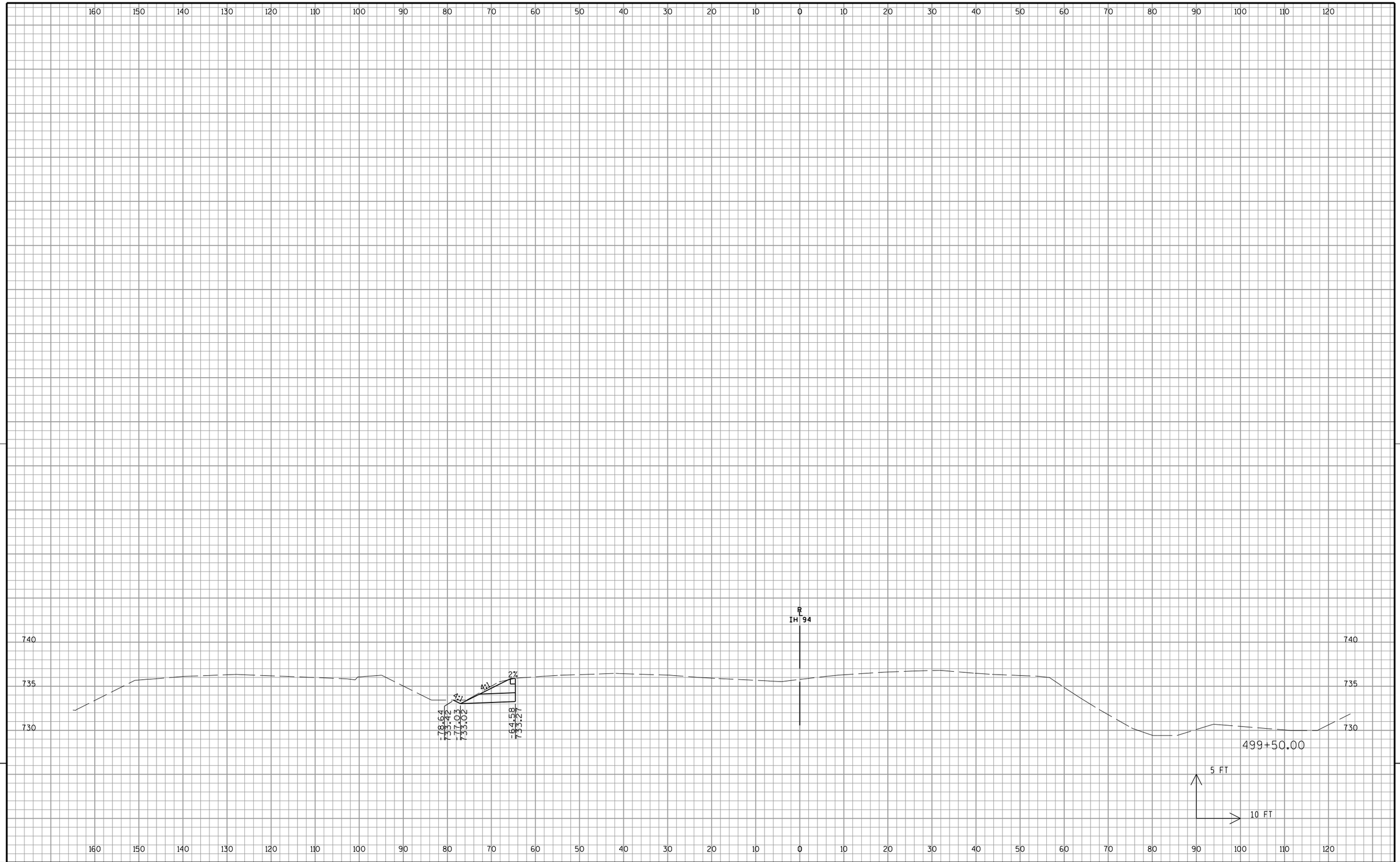
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9

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	CROSS SECTIONS: IH 41 SB TEMPORARY WIDENING - STAGE 1	SHEET 389	E

FILE NAME : L:\Jobs2008\20080094-01\CAD\Transportation\dgn\00\1035-04-71_Mitigation\090201_xs_94SB.dgn PLOT DATE : 11/21/2017 PLOT BY : GRAEF PLOT NAME : PLOT SCALE : 20.0000 sf / in.

WISDOT/CADDS SHEET 21

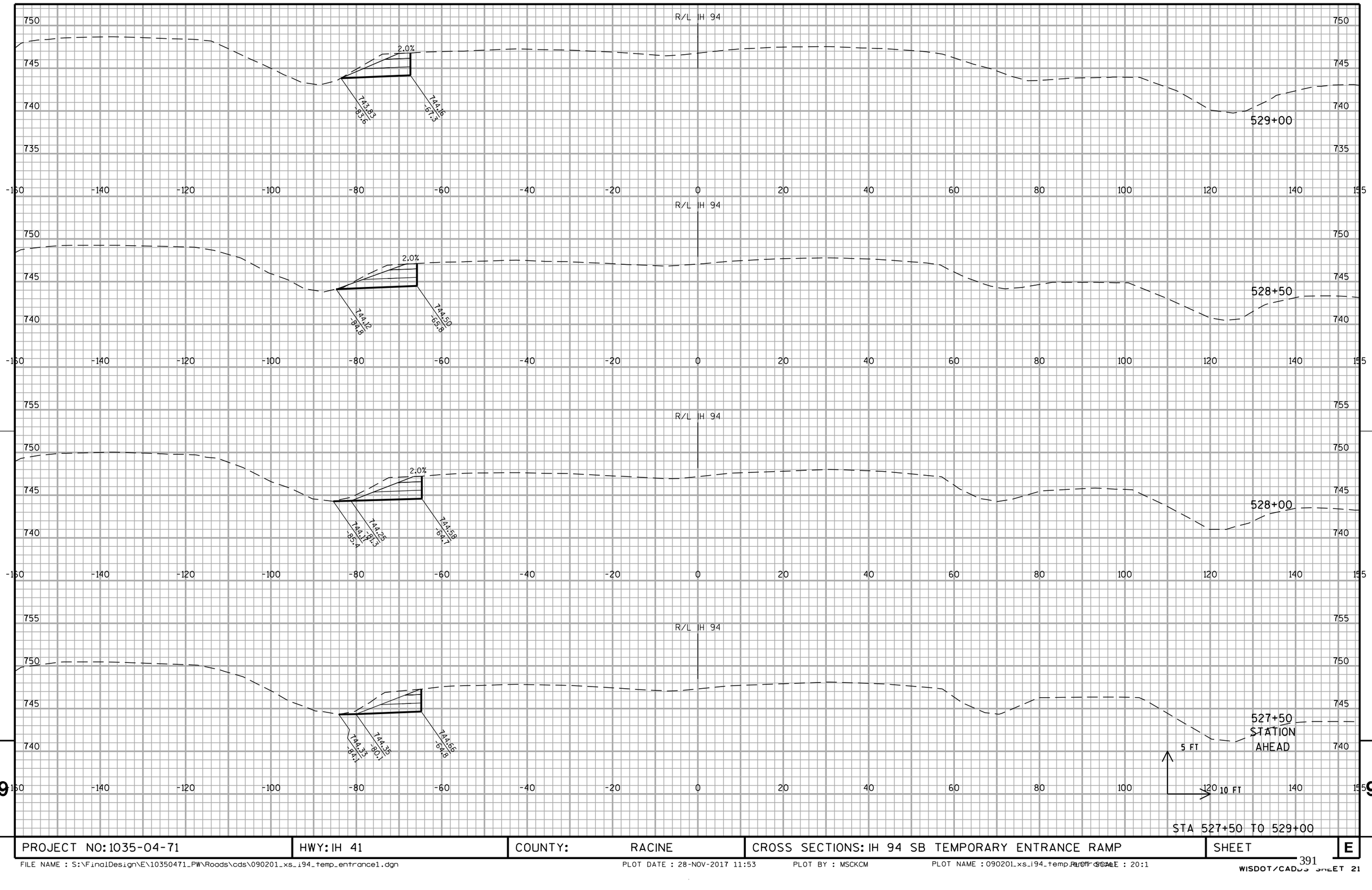


9

9

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	CROSS SECTIONS: IH 41 SB TEMPORARY WIDENING - STAGE 1	SHEET 390	E

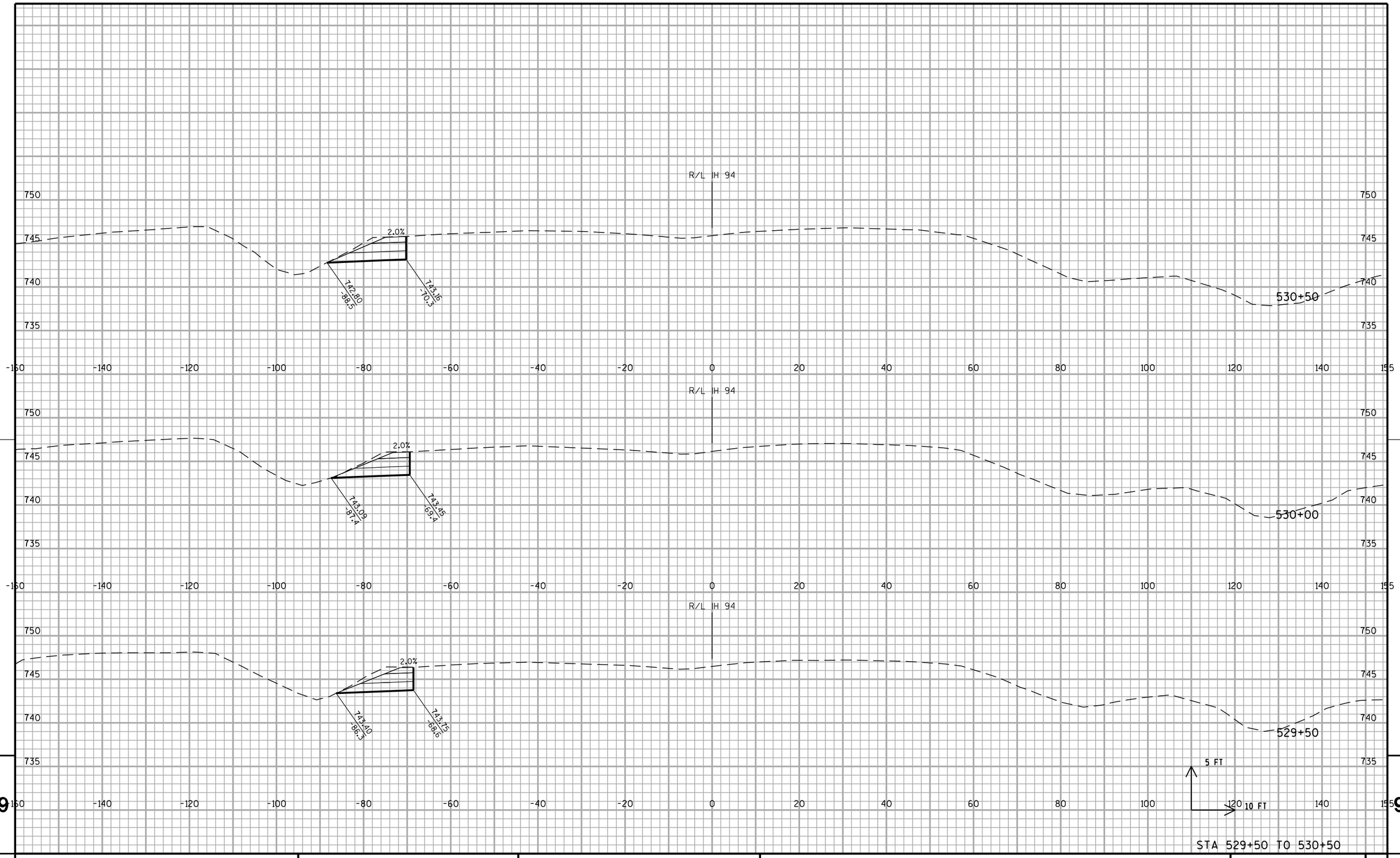
FILE NAME : L:\Jobs2008\20080094-01\CAD\Transportation\dgn\00\1035-04-71_Mitigation\090201_xs_94SB.dgn
PLOT DATE : 11/21/2017
PLOT BY : GRAEF
PLOT NAME :
PLOT SCALE : 20.0000 sf / in.
WISDOT/CADDS SHEET 21



PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	CROSS SECTIONS: IH 94 SB TEMPORARY ENTRANCE RAMP	SHEET	E

FILE NAME : S:\FinalDesign\E\10350471_PW\Roads\cds\090201_xs_i94_temp_entrance1.dgn PLOT DATE : 28-NOV-2017 11:53 PLOT BY : MSCKCM PLOT NAME : 090201_xs_i94_temp_entrance1 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



STA 529+50 TO 530+50

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	CROSS SECTIONS: IH 94 SB TEMPORARY ENTRANCE RAMP	SHEET	E

9 9

FILE NAME : S:\FinalDesign\E\10350471_PW\Roads\cds\090201_xs_i94_temp_entrance1.dgn PLOT DATE : 28-NOV-2017 11:53 PLOT BY : MSCKCM PLOT NAME : 090201_xs_i94_temp_entrance1.dgn PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

R/L IH 94

750
745
740
735

2.0%

742.05
91.3

742.43
72.9

532+00

-160 -140 -120 -100 -80 -60 -40 -20 0 20 40 60 80 100 120 140 155

R/L IH 94

750
745
740
735

2.0%

742.32
90.9

742.70
71.8

531+50

-160 -140 -120 -100 -80 -60 -40 -20 0 20 40 60 80 100 120 140 155

R/L IH 94

750
745
740
735

2.0%

742.26
89.3

742.95
71.1

531+00

5 FT
10 FT

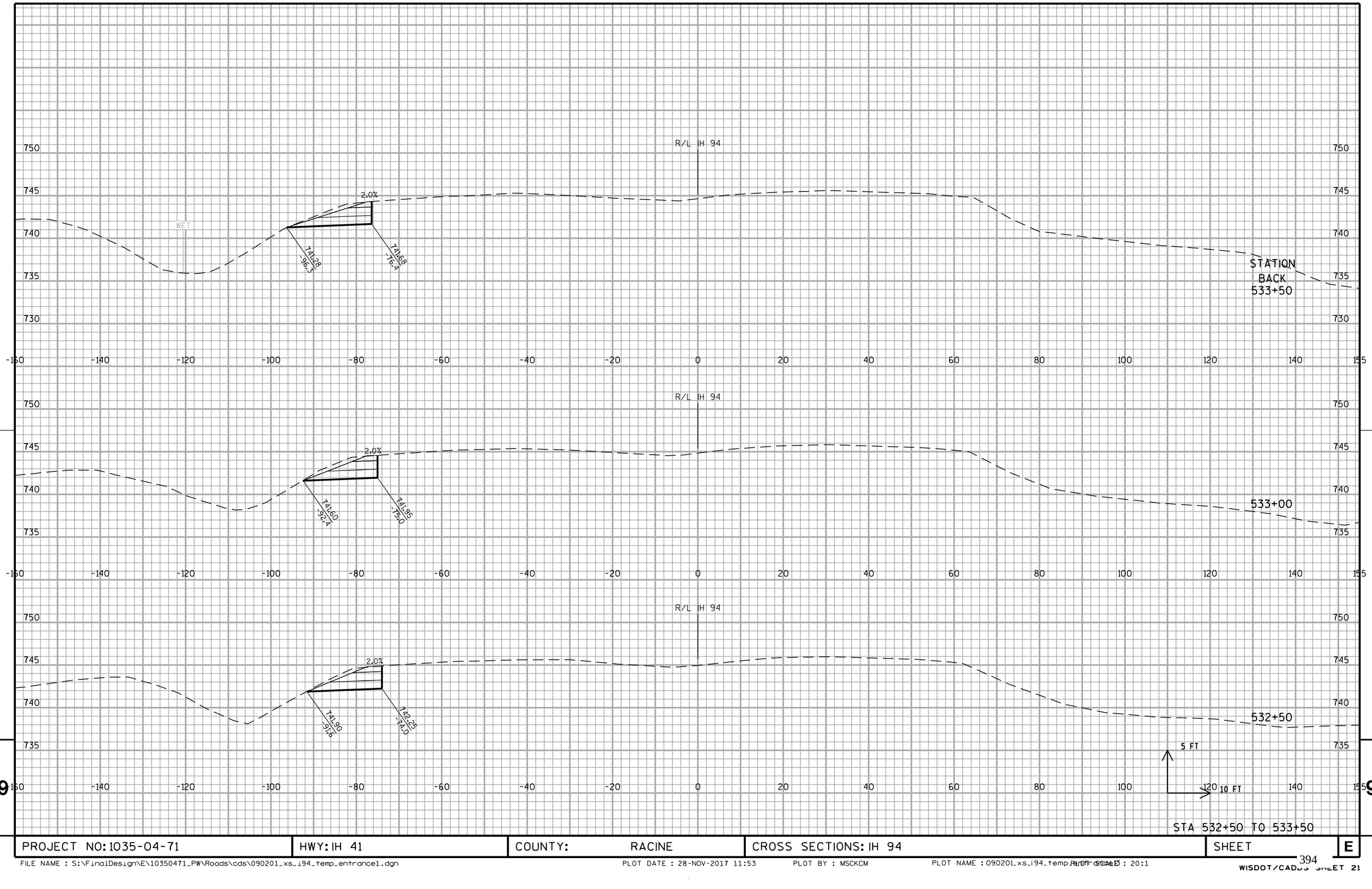
-160 -140 -120 -100 -80 -60 -40 -20 0 20 40 60 80 100 120 140 155

STA 531+00 TO 532+00

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	CROSS SECTIONS: IH 94	SHEET	E

FILE NAME : S:\FinalDesign\E\10350471_PW\Roads\cds\090201_xs_i94_temp_entrance1.dgn
PLOT DATE : 28-NOV-2017 11:53
PLOT BY : MSCKCM
PLOT NAME : 090201_xs_i94_temp_entrance1.dgn
PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	CROSS SECTIONS: IH 94	SHEET E

9 9

R/L IH 94

745
740
735

739.89
-85.9

740.45
-74.3

541+50

-160 -140 -120 -100 -80 -60 -40 -20 0 20 40 60 80 100 120 140 155

R/L IH 94

745
740
735

740.09
-83.5

740.79
-70.0

541+00

-160 -140 -120 -100 -80 -60 -40 -20 0 20 40 60 80 100 120 140 155

R/L IH 94

745
740
735

740.31
-81.0

741.08
-66.3

540+50

-160 -140 -120 -100 -80 -60 -40 -20 0 20 40 60 80 100 120 140 155

R/L IH 94

745
740
735

740.64
-76.4

741.10
-64.9

540+00
STATION
AHEAD

5 FT
10 FT

-160 -140 -120 -100 -80 -60 -40 -20 0 20 40 60 80 100 120 140 155

STA 540+00 TO 541+50

9 9

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	CROSS SECTIONS: IH 94 SB TEMPORARY ENTRANCE RAMP	SHEET E

FILE NAME : S:\FinalDesign\E\10350471_PW\Roads\cds\090201_xs_i94_temp_entrance2.dgn PLOT DATE : 27-NOV-2017 22:11 PLOT BY : MSCD1S PLOT NAME : 090201_xs_i94_temp_entrance2 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

R/L IH 94

STATION BACK

543+00

739.48 94.2

739.62 88.0

R/L IH 94

542+50

739.53 90.8

739.79 83.4

R/L IH 94

542+00

739.77 86.3

739.83 78.8

5 FT

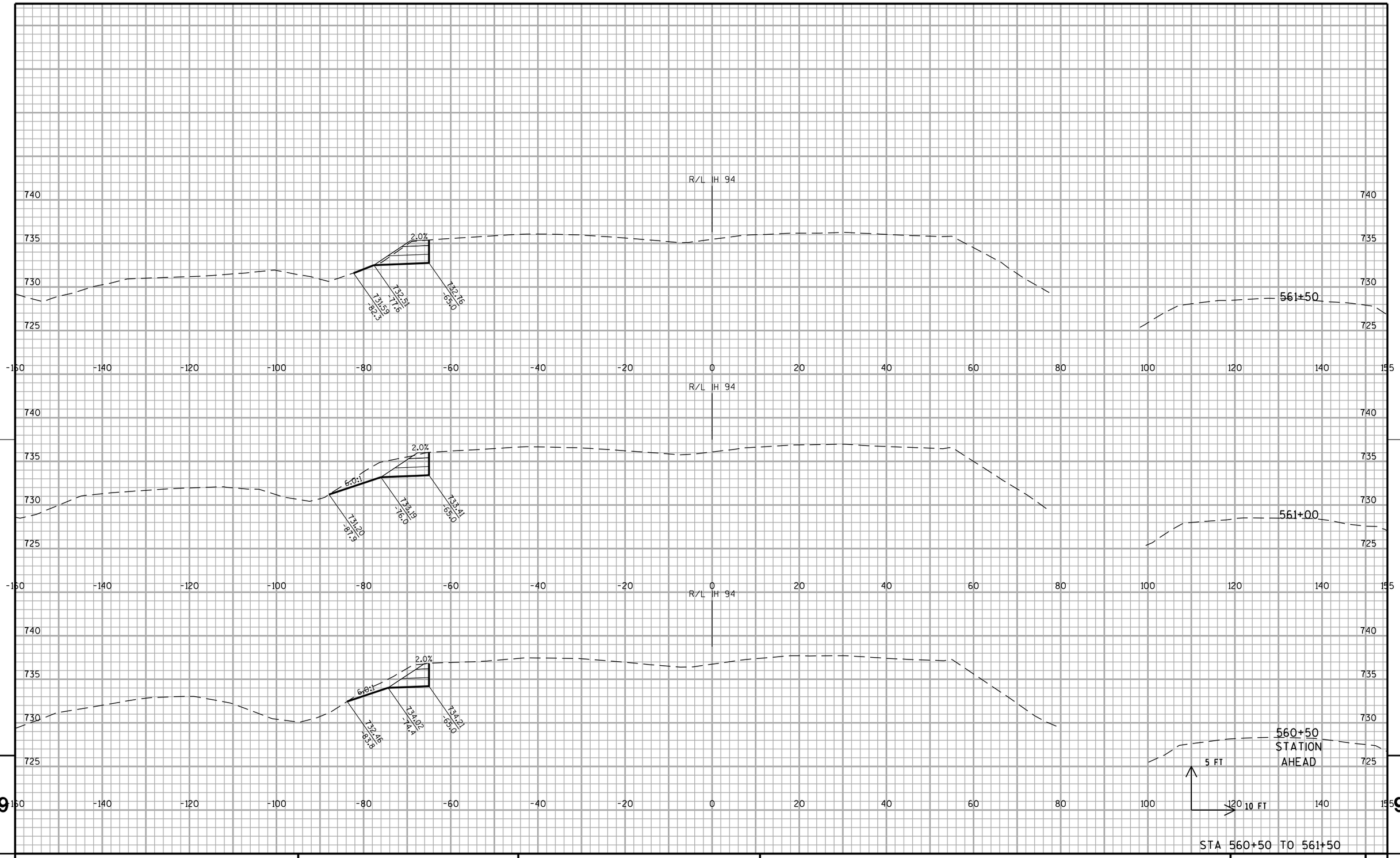
10 FT

STA 542+00 TO 543+00

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	CROSS SECTIONS: IH 94 SB TEMPORARY ENTRANCE RAMP	SHEET	E

FILE NAME : S:\FinalDesign\E\10350471_PW\Roads\cds\090201_xs_i94_temp_entrance2.dgn PLOT DATE : 27-NOV-2017 22:11 PLOT BY : MSCD1S PLOT NAME : 090201_xs_i94_temp_entrance2.pdf PLOT SCALE : 20:1

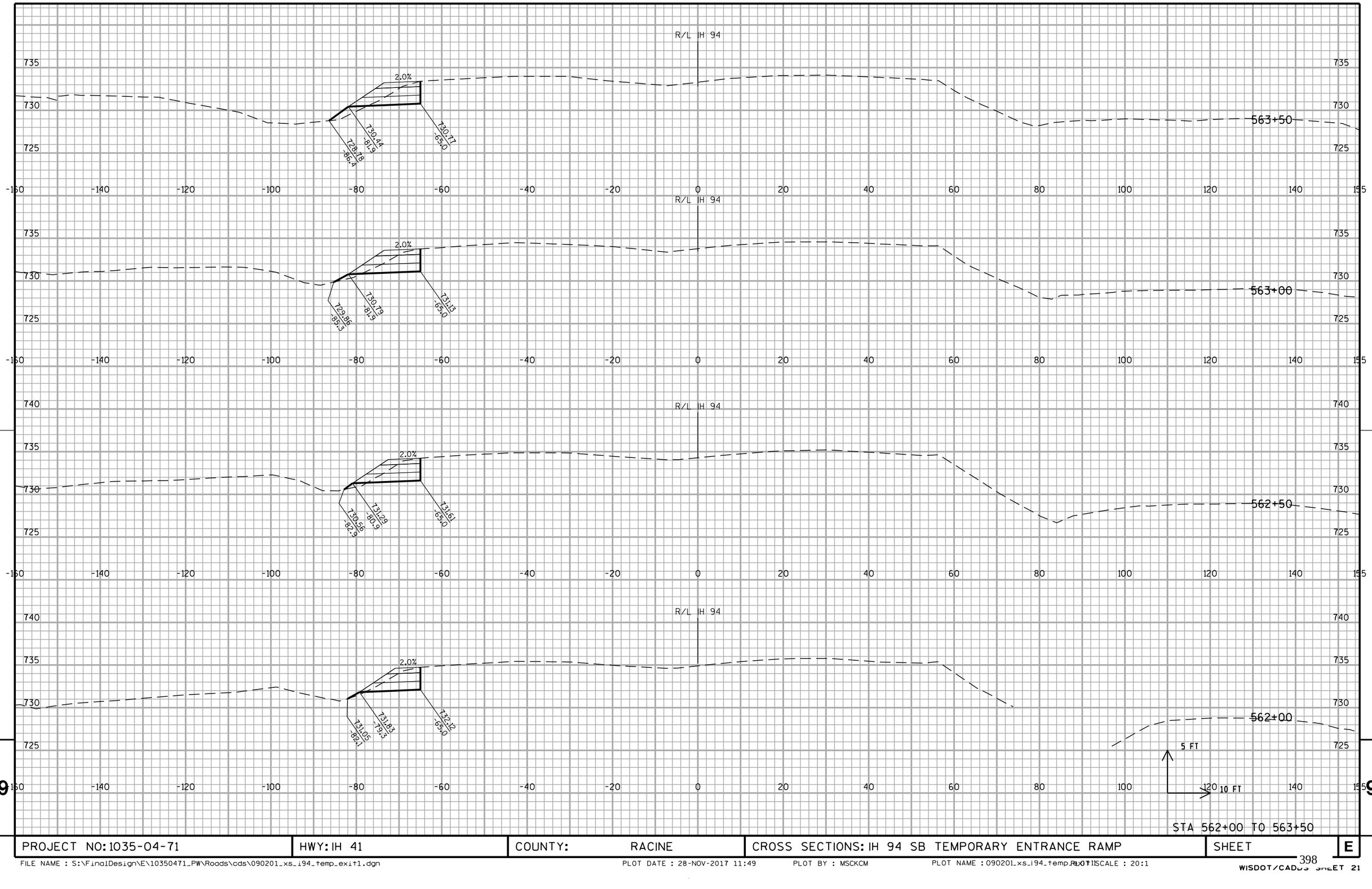
WISDOT/CADDS SHEET 21



PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	CROSS SECTIONS: IH 94 SB TEMPORARY ENTRANCE RAMP	SHEET	E

FILE NAME : S:\FinalDesign\E\10350471_PW\Roads\cds\090201_xs_i94_temp_exit1.dgn PLOT DATE : 28-NOV-2017 11:49 PLOT BY : MSCKCM PLOT NAME : 090201_xs_i94_temp_exit1 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

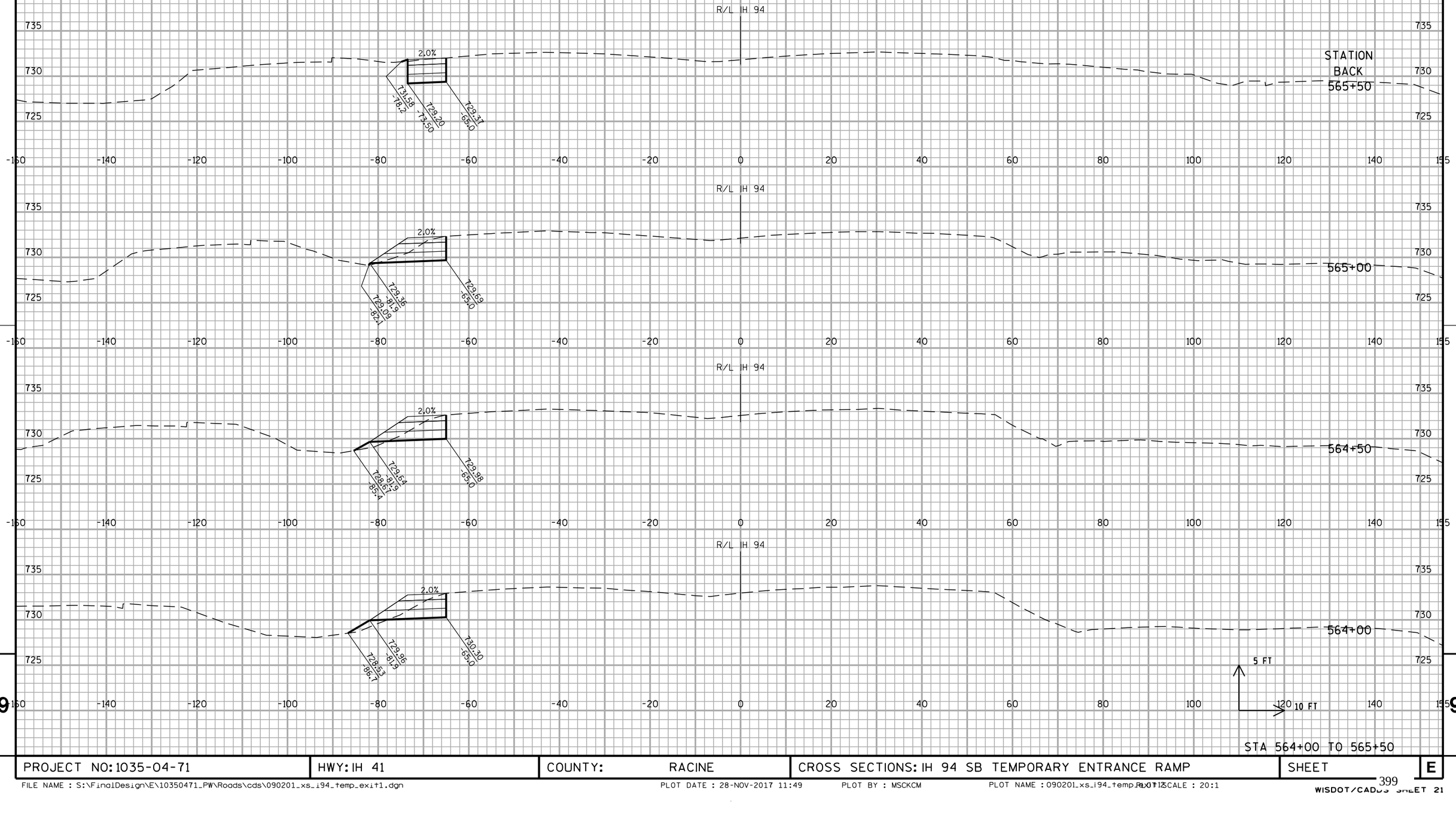


STA 562+00 TO 563+50

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	CROSS SECTIONS: IH 94 SB TEMPORARY ENTRANCE RAMP	SHEET	E

FILE NAME : S:\FinalDesign\E\10350471_PW\Roads\cds\090201_xs_i94_temp_exit1.dgn PLOT DATE : 28-NOV-2017 11:49 PLOT BY : MSCKCM PLOT NAME : 090201_xs_i94_temp_exit1 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

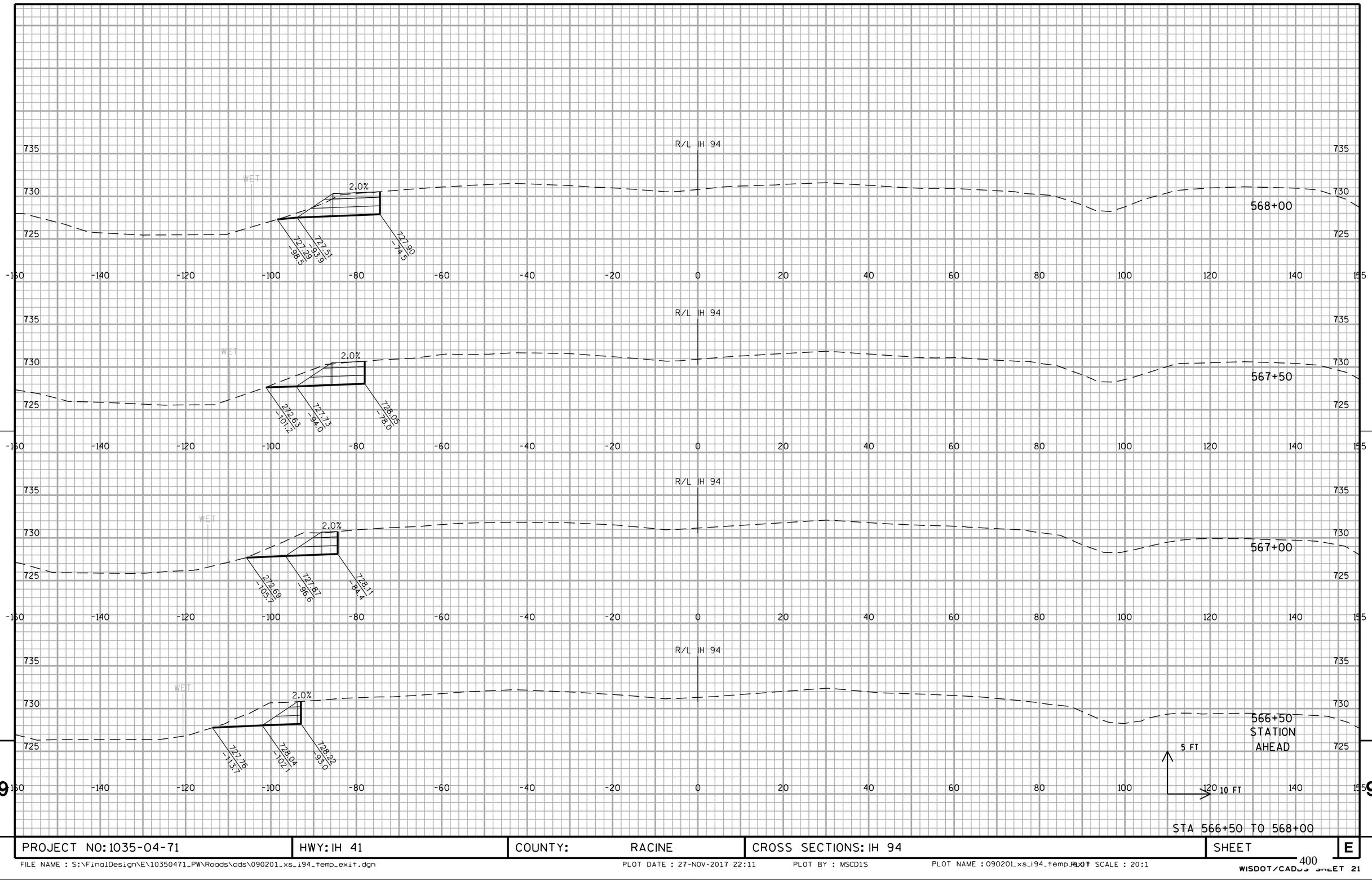


STA 564+00 TO 565+50

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	CROSS SECTIONS: IH 94 SB TEMPORARY ENTRANCE RAMP	SHEET	E

FILE NAME : S:\FinalDesign\E\10350471_PW\Roads\cds\090201_xs_i94_temp_exit1.dgn PLOT DATE : 28-NOV-2017 11:49 PLOT BY : MSCKCM PLOT NAME : 090201_xs_i94_temp_exit1.pltSCALE : 20:1

WISDOT/CADDS SHEET 21



9

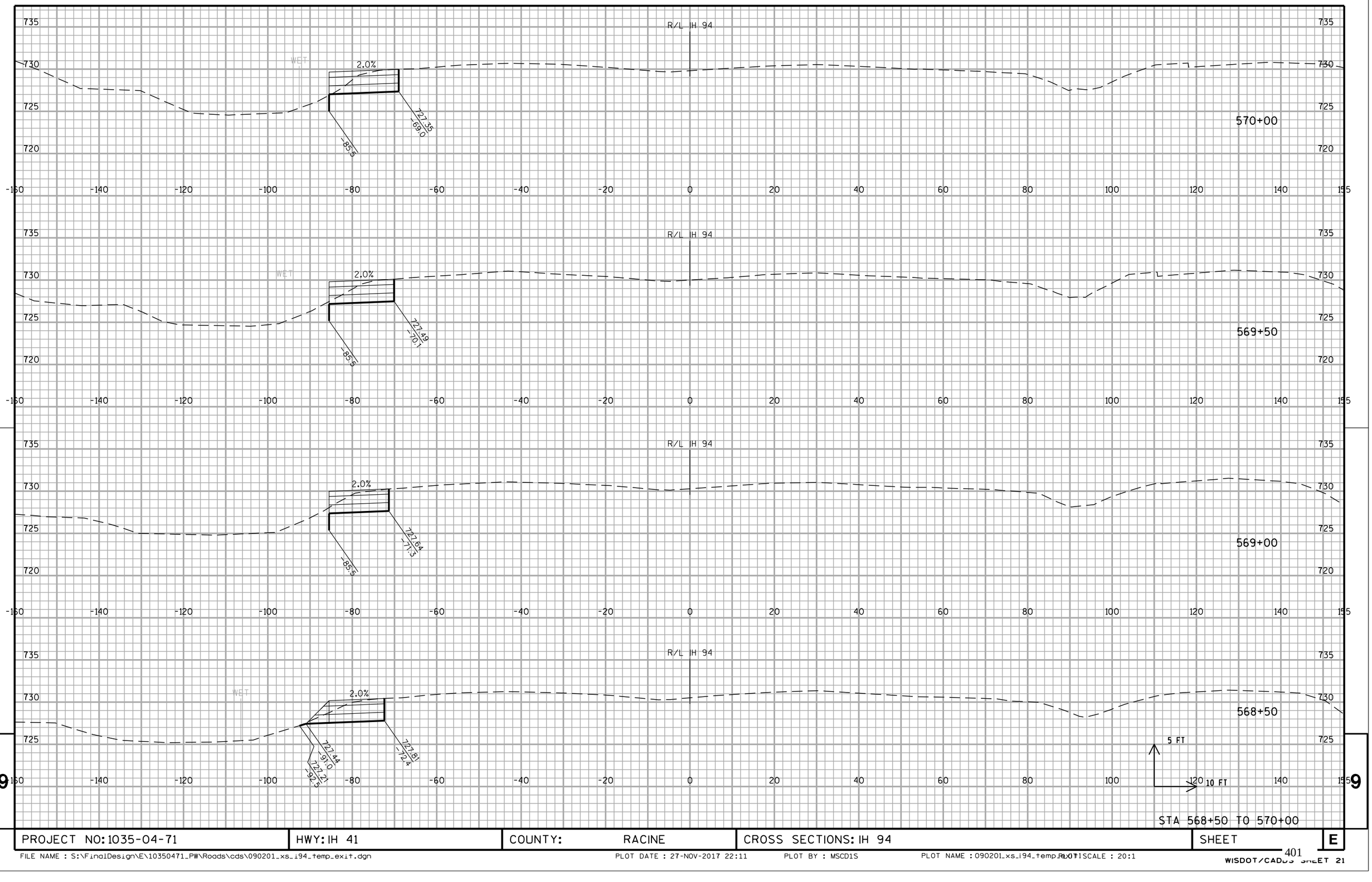
9

STA 566+50 TO 568+00

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	CROSS SECTIONS: IH 94	SHEET	E

FILE NAME : S:\FinalDesign\E\10350471_PW\Roads\cds\090201_xs_i94_temp_exit.dgn PLOT DATE : 27-NOV-2017 22:11 PLOT BY : MSCD1S PLOT NAME : 090201_xs_i94_temp_exit.dgn PLOT SCALE : 20:1

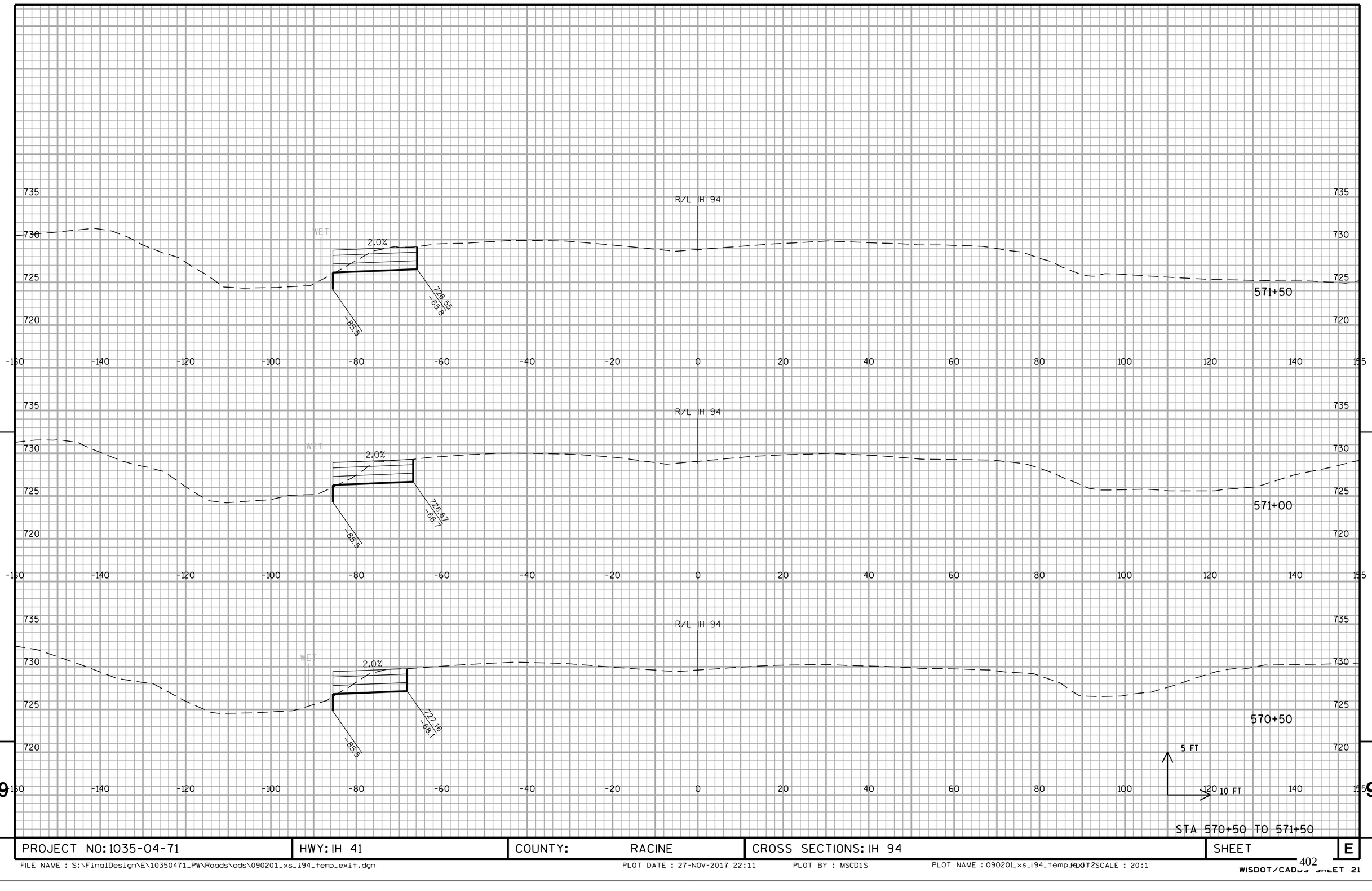
WISDOT/CADDS SHEET 21



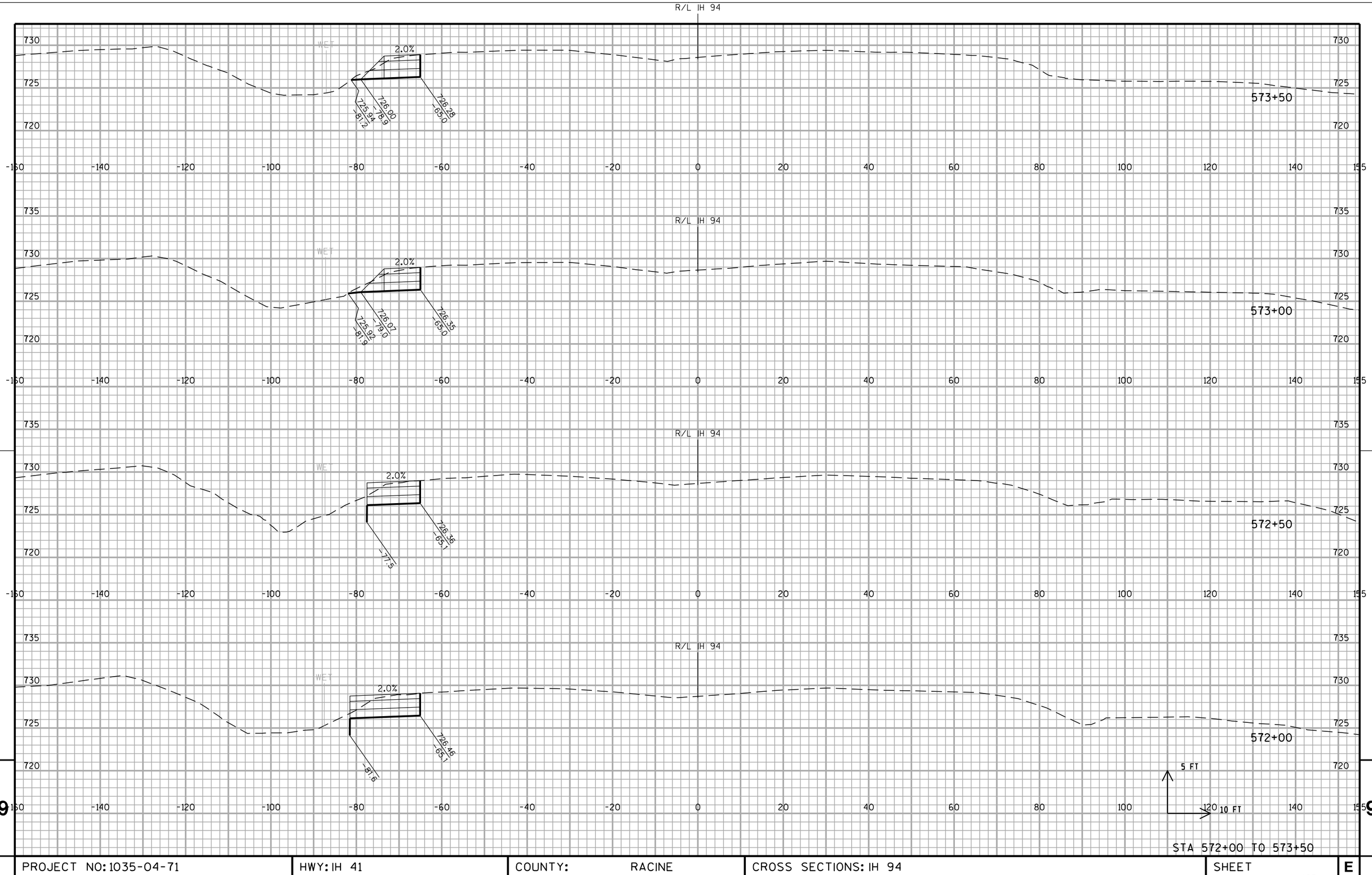
STA 568+50 TO 570+00

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	CROSS SECTIONS: IH 94	SHEET	E

FILE NAME : S:\FinalDesign\E\10350471_PW\Roads\cds\090201_xs_i94_temp_exit.dgn PLOT DATE : 27-NOV-2017 22:11 PLOT BY : MSCD1S PLOT NAME : 090201_xs_i94_temp_exit.pltSCALE : 20:1



PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	CROSS SECTIONS: IH 94	SHEET	E



9

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	CROSS SECTIONS: IH 94	SHEET	E

FILE NAME : S:\FinalDesign\E\10350471_PW\Roads\cds\090201_xs_i94_temp_exit.dgn PLOT DATE : 27-NOV-2017 22:11 PLOT BY : MSCD1S PLOT NAME : 090201_xs_i94_temp_exit.dgn PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

R/L IH 94

730
725
720

WET

2.0%

726.12
-65.0

-75.5

575+50

-160 -140 -120 -100 -80 -60 -40 -20 0 20 40 60 80 100 120 140 155

R/L IH 94

730
725
720

WET

2.0%

726.08
-65.1

-73.5

575+00

-160 -140 -120 -100 -80 -60 -40 -20 0 20 40 60 80 100 120 140 155

R/L IH 94

730
725
720

WET

2.0%

725.90
-79.0

725.51
-80.1

726.18
-65.1

574+50

-160 -140 -120 -100 -80 -60 -40 -20 0 20 40 60 80 100 120 140 155

R/L IH 94

730
725
720

WET

2.0%

725.90
-79.0

725.87
-80.4

726.18
-65.0

574+00

5 FT

10 FT

-160 -140 -120 -100 -80 -60 -40 -20 0 20 40 60 80 100 120 140 155

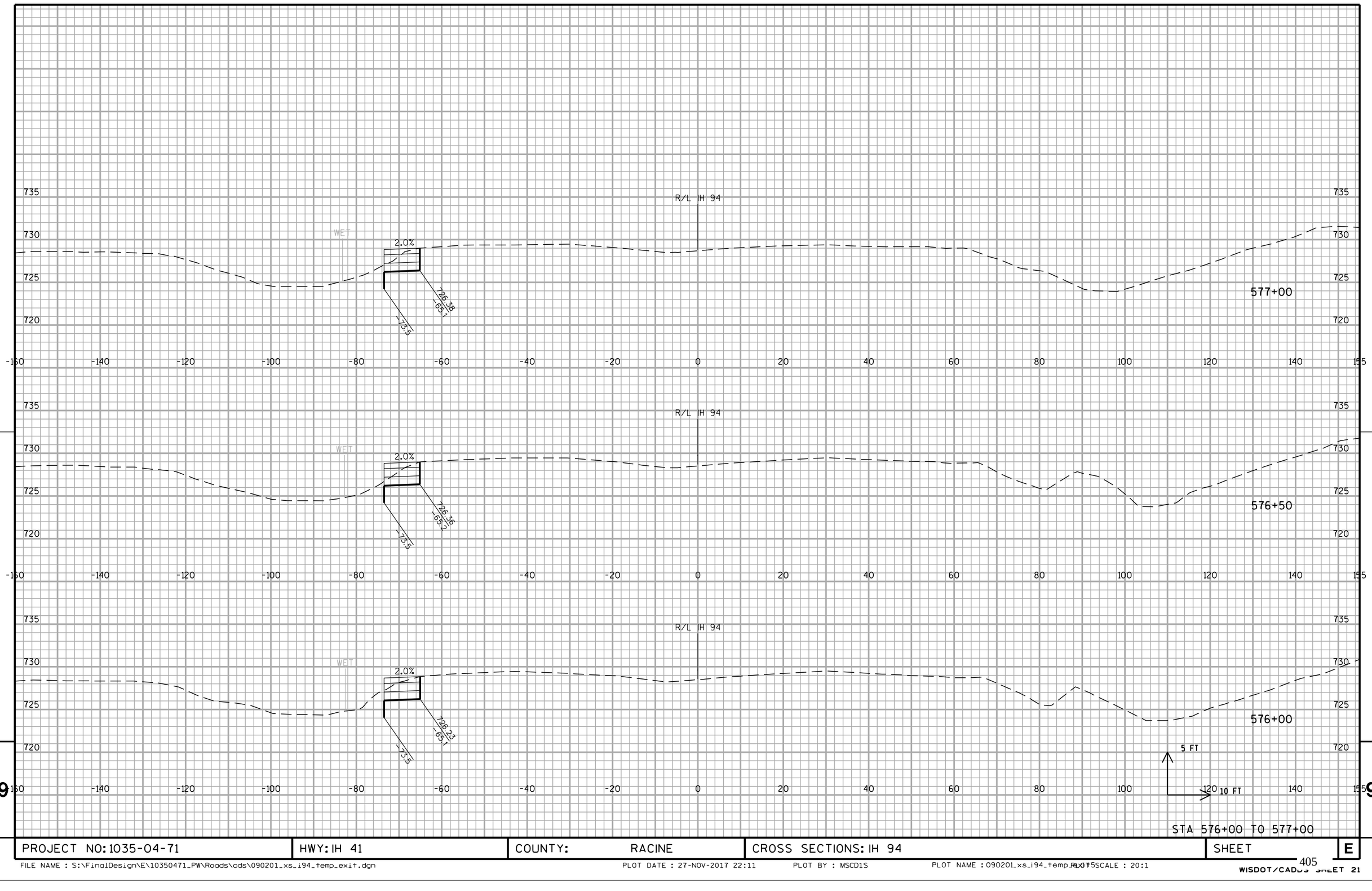
STA 574+00 TO 575+50

9

9

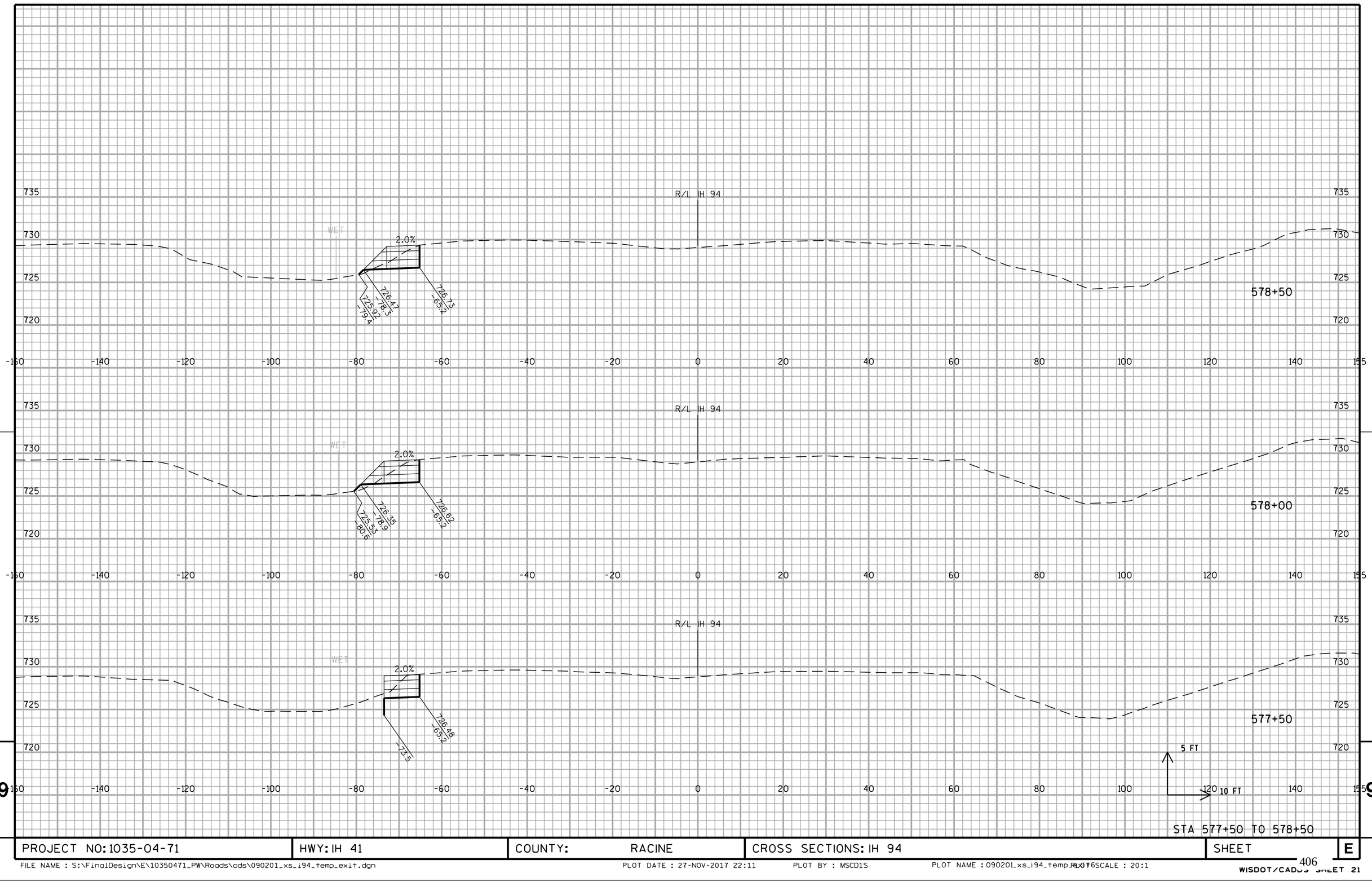
PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	CROSS SECTIONS: IH 94	SHEET	E

FILE NAME : S:\FinalDesign\E\10350471_PW\Roads\cds\090201_xs_i94_temp_exit.dgn PLOT DATE : 27-NOV-2017 22:11 PLOT BY : MSCD1S PLOT NAME : 090201_xs_i94_temp_exit.pltSCALE : 20:1



PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	CROSS SECTIONS: IH 94	SHEET E

FILE NAME : S:\FinalDesign\E\10350471_PW\Roads\cds\090201_xs_i94_temp_exit.dgn PLOT DATE : 27-NOV-2017 22:11 PLOT BY : MSCD1S PLOT NAME : 090201_xs_i94_temp_exit.pltSCALE : 20:1



PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	CROSS SECTIONS: IH 94	SHEET	E

FILE NAME : S:\FinalDesign\E\10350471_PW\Roads\cds\090201_xs_i94_temp_exit.dgn PLOT DATE : 27-NOV-2017 22:11 PLOT BY : MSCD1S PLOT NAME : 090201_xs_i94_temp_exit.dgn PLOTSCALE : 20:1

R/L IH 94

580+50

2.0%

727.86 -178.3

726.92 -736

727.92 -735

727.09 -652

580+00

2.0%

726.86 74.4

727.76 -744.6

727.04 -653

579+50

WET

2.0%

726.56 -799

726.63 -771

726.87 -652

579+00

WET

2.0%

5.5%

726.23 -764

726.57 -777

726.82 -652

5 FT

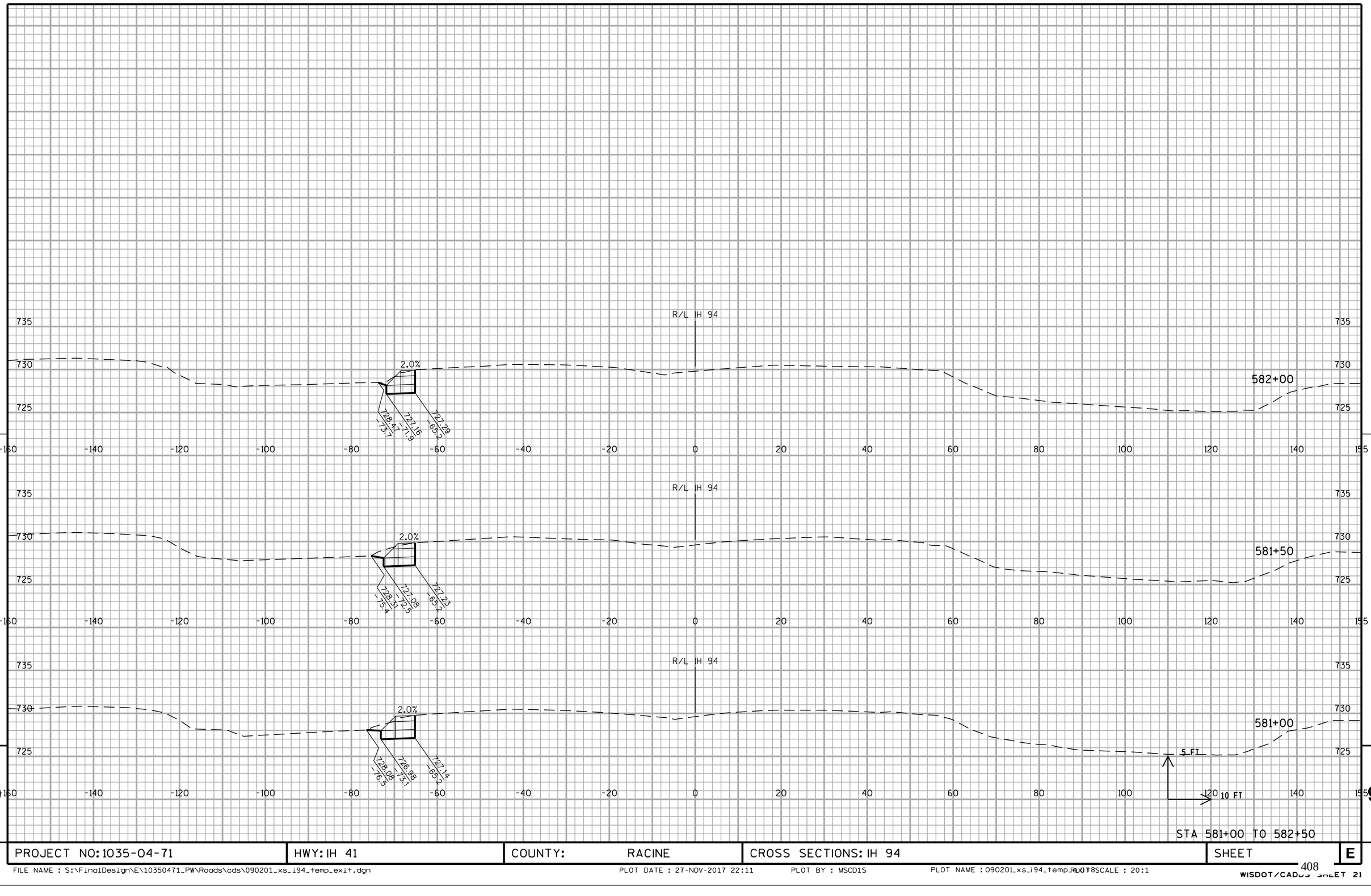
10 FT

STA 579+00 TO 580+50

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	CROSS SECTIONS: IH 94	SHEET	E

FILE NAME : S:\FinalDesign\E\10350471_PW\Roads\cds\090201_xs_i94_temp_exit.dgn PLOT DATE : 27-NOV-2017 22:11 PLOT BY : MSCD1S PLOT NAME : 090201_xs_i94_temp_exit.PLT SCALE : 20:1

WISDOT/CADDS SHEET 21

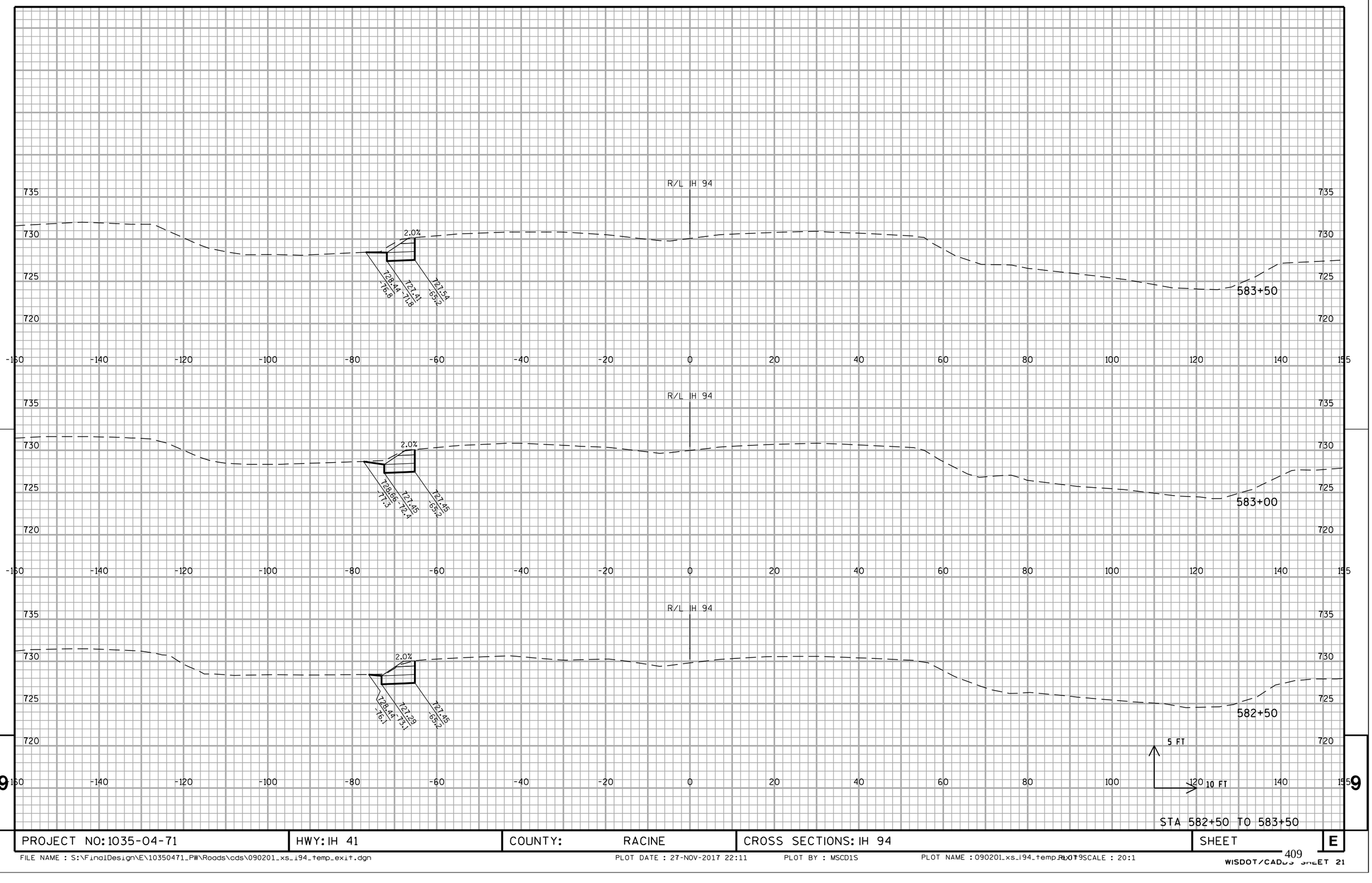


9

9

STA 581+00 TO 582+50

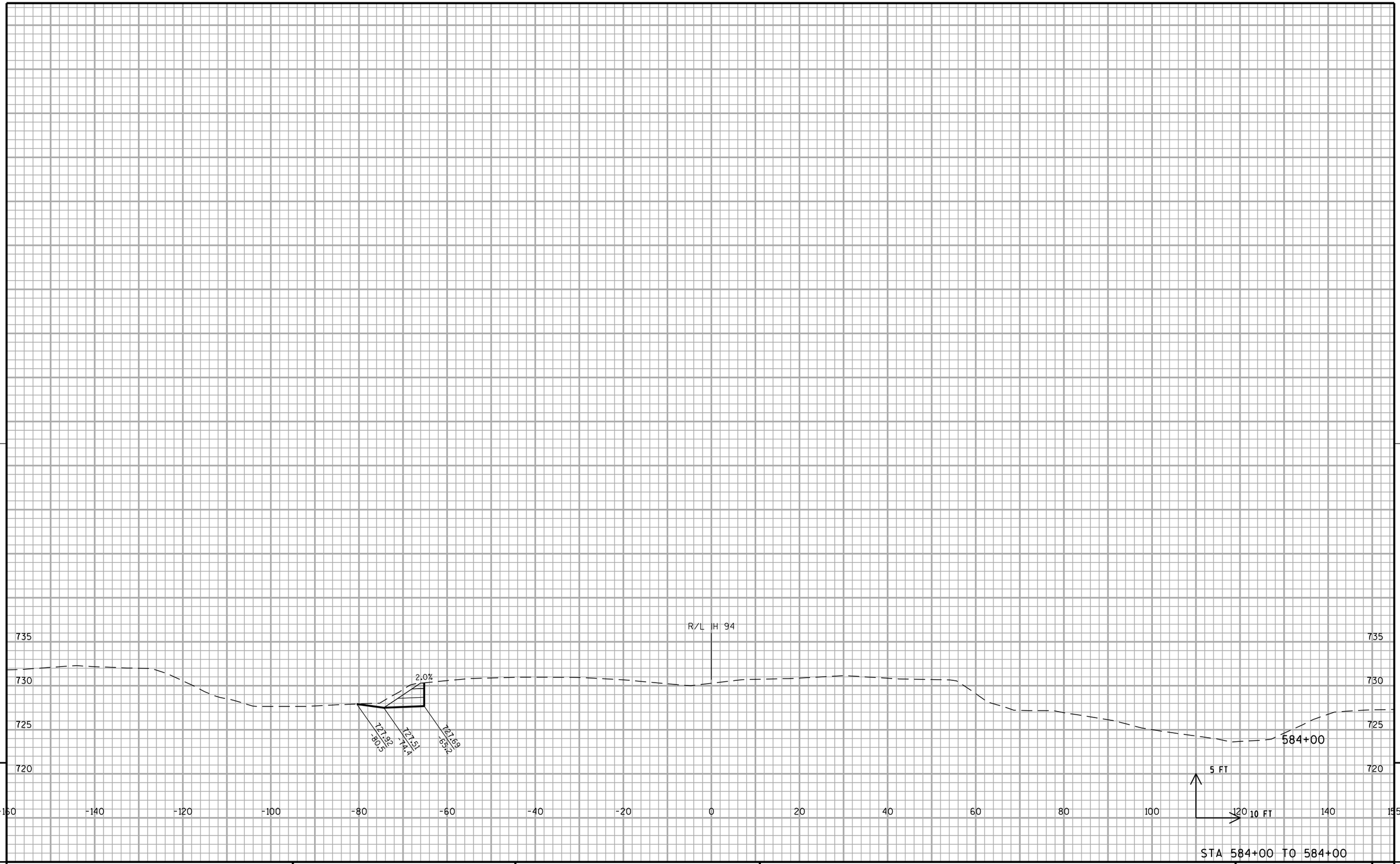
PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	CROSS SECTIONS: IH 94	SHEET E



PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	CROSS SECTIONS: IH 94	SHEET	E

FILE NAME : S:\FinalDesign\E\10350471_PW\Roads\cds\090201_xs_i94_temp_exit.dgn PLOT DATE : 27-NOV-2017 22:11 PLOT BY : MSCD1S PLOT NAME : 090201_xs_i94_temp_exit.dgn SCALE : 20:1

WISDOT/CADDS SHEET 21



9

9

STA 584+00 TO 584+00

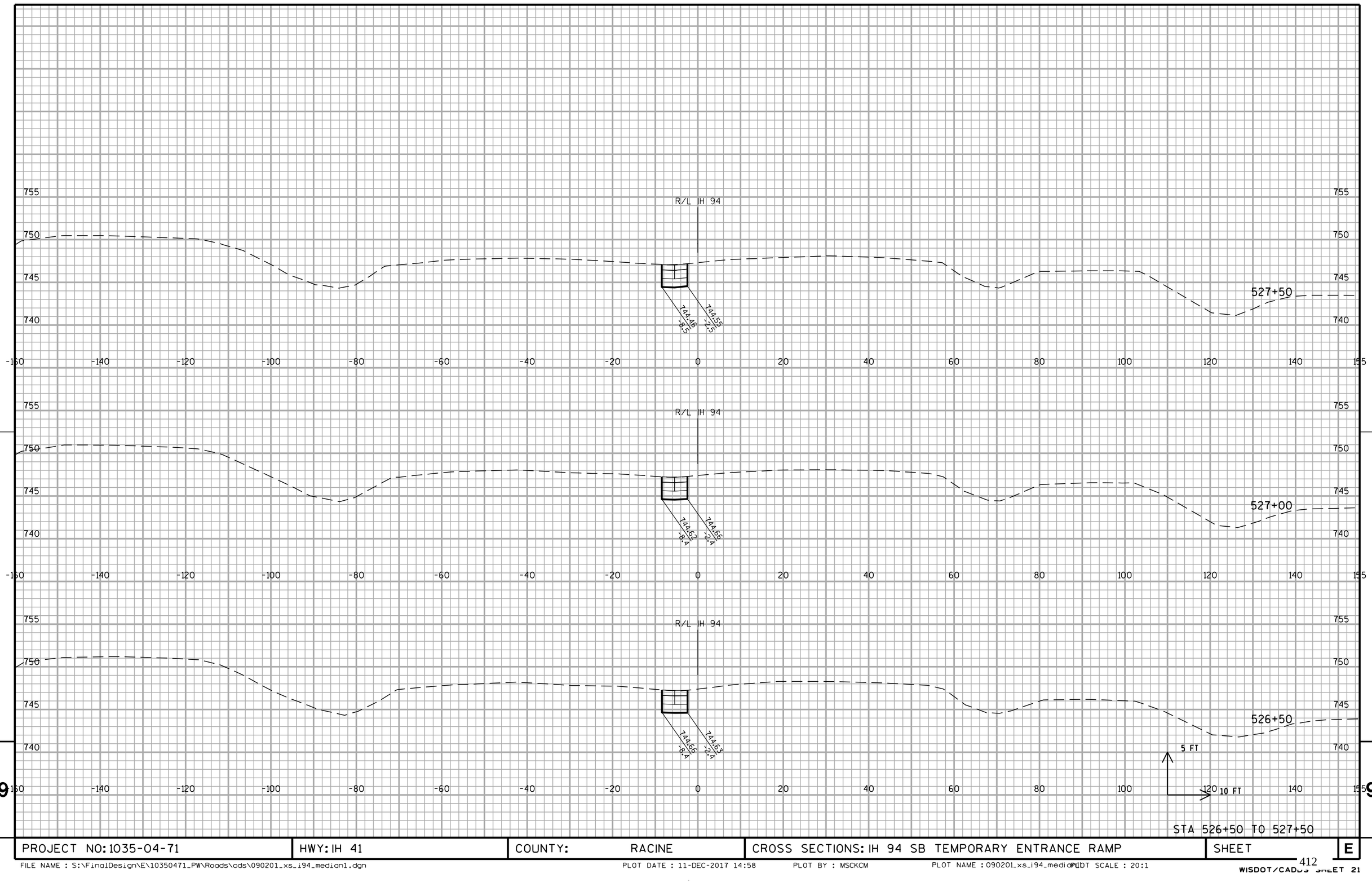
PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	CROSS SECTIONS: IH 94	SHEET	E

STA 525+00 TO 526+00

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	CROSS SECTIONS: IH 94 SB TEMPORARY ENTRANCE RAMP	SHEET	E

FILE NAME : S:\FinalDesign\E\10350471_PW\Roads\cds\090201_xs_i94_median1.dgn PLOT DATE : 11-DEC-2017 14:58 PLOT BY : MSCKCM PLOT NAME : 090201_xs_i94_median1 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



STA 526+50 TO 527+50

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	CROSS SECTIONS: IH 94 SB TEMPORARY ENTRANCE RAMP	SHEET	E

9 9

FILE NAME : S:\FinalDesign\E\10350471_PW\Roads\cds\090201_xs_i94_median1.dgn PLOT DATE : 11-DEC-2017 14:58 PLOT BY : MSCKCM PLOT NAME : 090201_xs_i94_median1 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

R/L IH 94

750
745
740
735

-160 -140 -120 -100 -80 -60 -40 -20 0 20 40 60 80 100 120 140 155

743.51
-8.5
743.69
-2.5

529+50

R/L IH 94

750
745
740
735

-160 -140 -120 -100 -80 -60 -40 -20 0 20 40 60 80 100 120 140 155

743.66
-8.5
744.00
-2.5

529+00

R/L IH 94

750
745
740

-160 -140 -120 -100 -80 -60 -40 -20 0 20 40 60 80 100 120 140 155

744.21
-8.5
744.28
-8.5
744.34
-2.5

528+50

R/L IH 94

755
750
745
740

-160 -140 -120 -100 -80 -60 -40 -20 0 20 40 60 80 100 120 140 155

744.33
-8.5
744.40
-2.5

528+00

5 FT
10 FT

STA 528+00 TO 529+50

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	CROSS SECTIONS: IH 94 SB TEMPORARY ENTRANCE RAMP	SHEET	E

FILE NAME : S:\FinalDesign\E\10350471_PW\Roads\cds\090201_xs_i94_median1.dgn
PLOT DATE : 11-DEC-2017 14:58
PLOT BY : MSCKCM
PLOT NAME : 090201_xs_i94_median1
PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

R/L IH 94

750
745
740
735

-160 -140 -120 -100 -80 -60 -40 -20 0 20 40 60 80 100 120 140 155

742.92
-2.6
742.75
-8.6

531+00

R/L IH 94

750
745
740
735

-160 -140 -120 -100 -80 -60 -40 -20 0 20 40 60 80 100 120 140 155

743.10
-2.6
743.04
-8.6

530+50

R/L IH 94

750
745
740
735

-160 -140 -120 -100 -80 -60 -40 -20 0 20 40 60 80 100 120 140 155

743.33
-2.5
743.25
-8.5

530+00

5 FT
10 FT

STA 530+00 TO 531+00

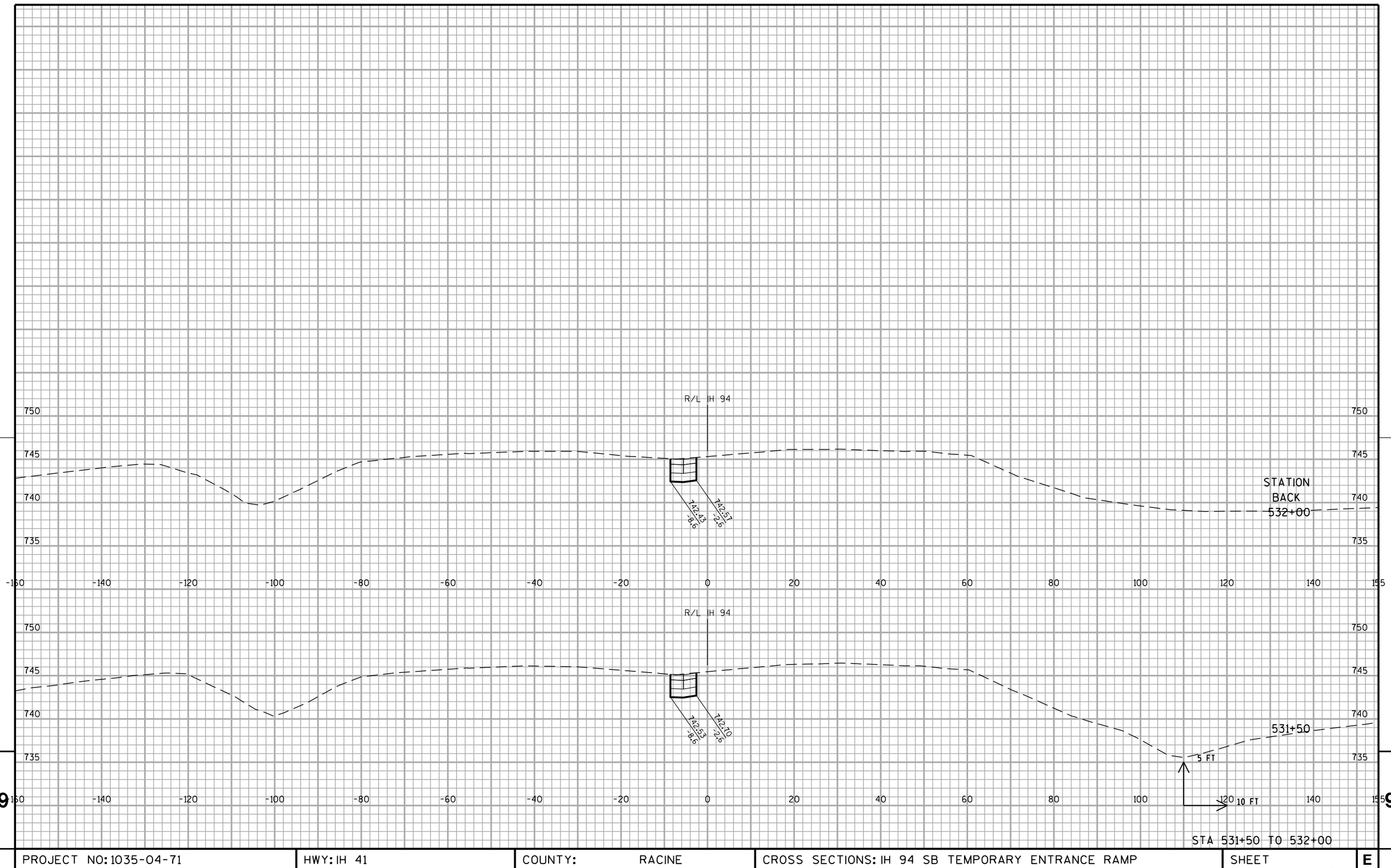
9

9

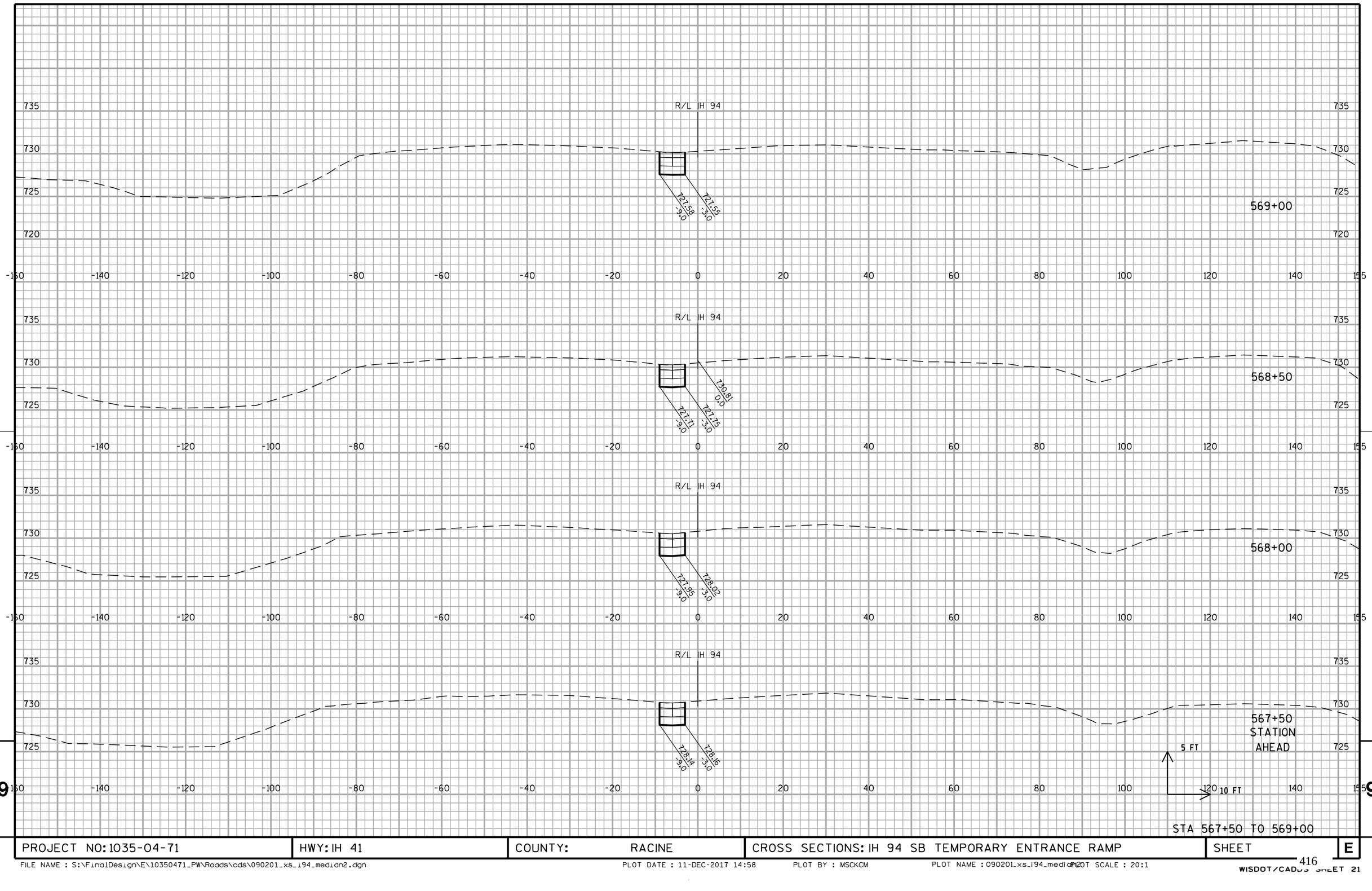
PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	CROSS SECTIONS: IH 94 SB TEMPORARY ENTRANCE RAMP	SHEET	E

FILE NAME : S:\FinalDesign\E\10350471_PW\Roads\cds\090201_xs_i94_median1.dgn PLOT DATE : 11-DEC-2017 14:58 PLOT BY : MSCKCM PLOT NAME : 090201_xs_i94_median1 PLOT SCALE : 20:1

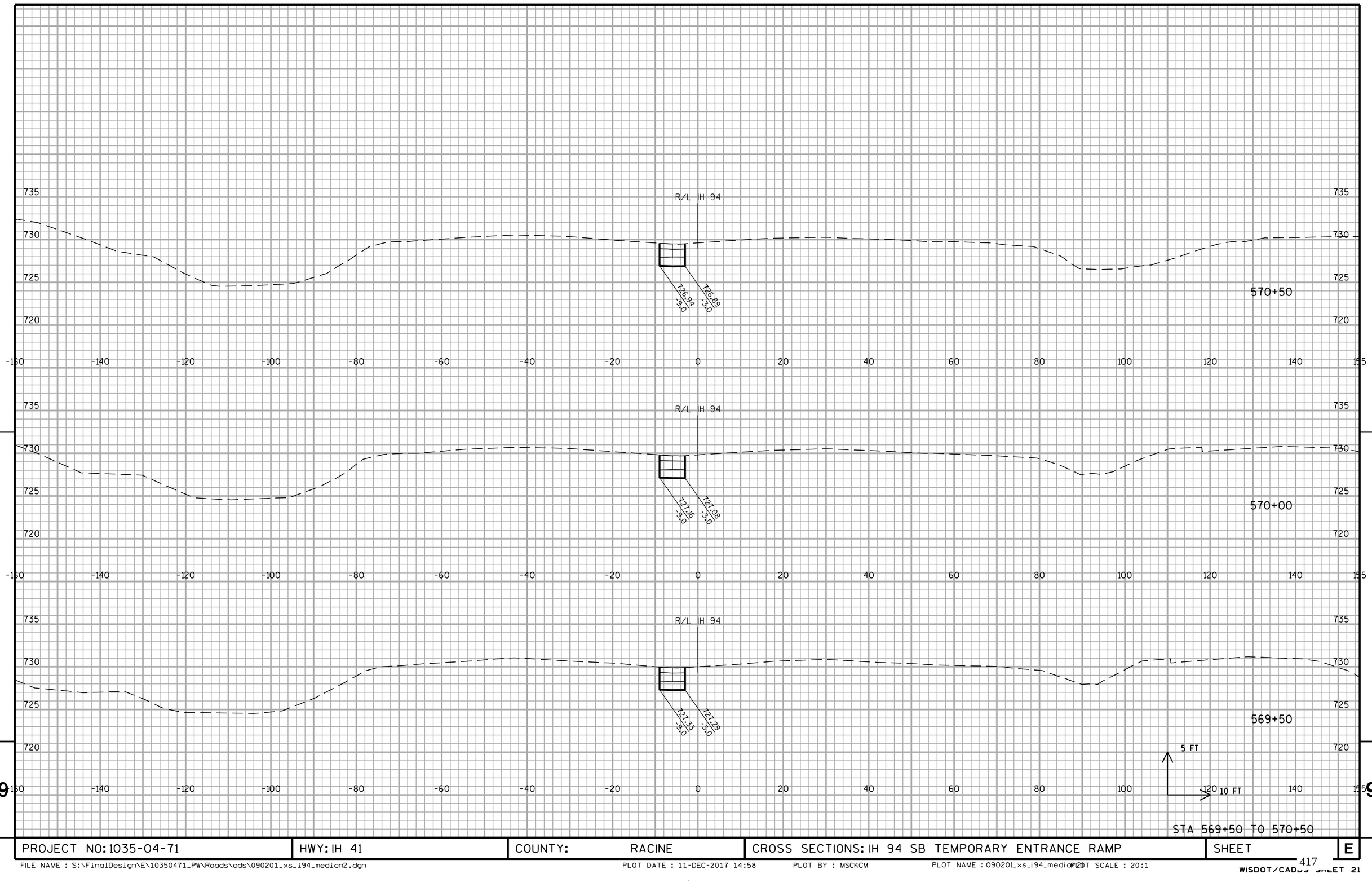
WISDOT/CADDS SHEET 21



PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	CROSS SECTIONS: IH 94 SB TEMPORARY ENTRANCE RAMP	SHEET	E

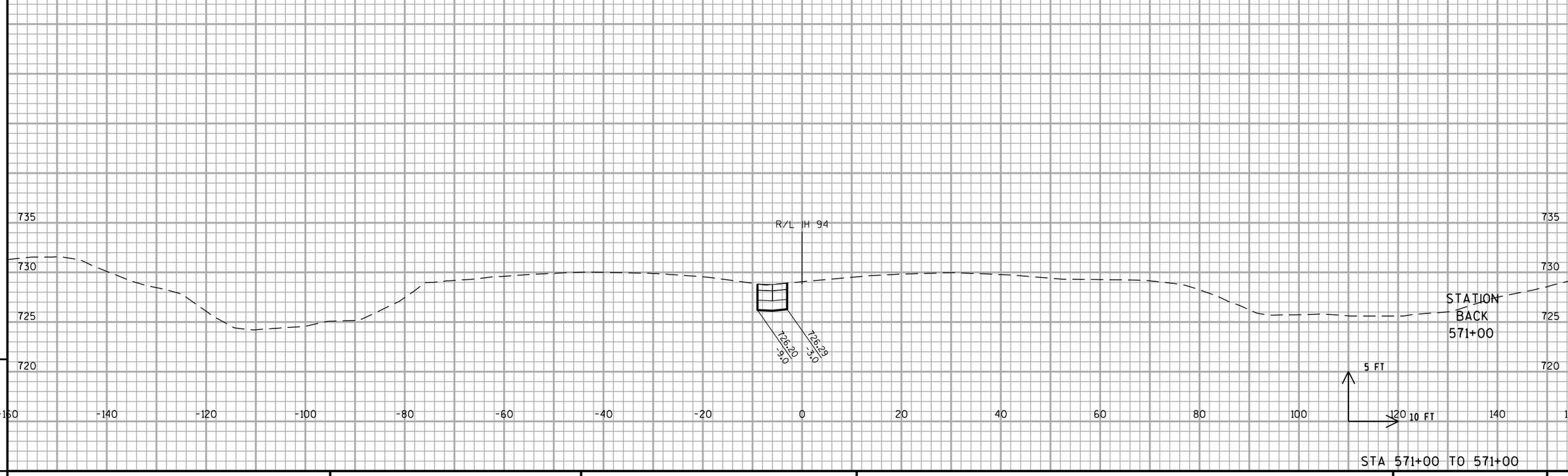


PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	CROSS SECTIONS: IH 94 SB TEMPORARY ENTRANCE RAMP	SHEET	E



PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	CROSS SECTIONS: IH 94 SB TEMPORARY ENTRANCE RAMP	SHEET	E

FILE NAME : S:\FinalDesign\E\10350471_PW\Roads\cds\090201_xs_i94_median2.dgn PLOT DATE : 11-DEC-2017 14:58 PLOT BY : MSCKCM PLOT NAME : 090201_xs_i94_median2 PLOT SCALE : 20:1



9

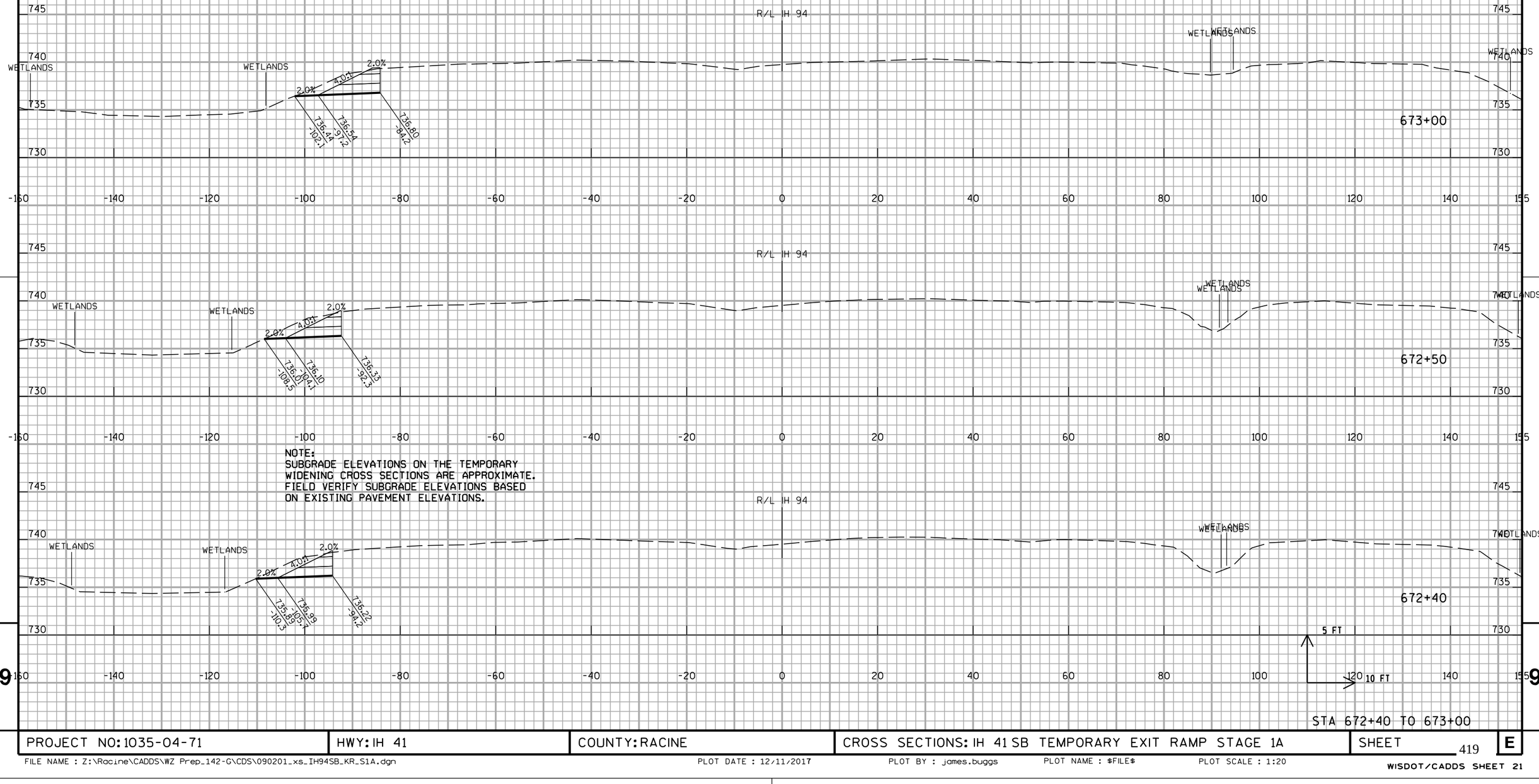
9

STA 571+00 TO 571+00

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	CROSS SECTIONS: IH 94 SB TEMPORARY ENTRANCE RAMP	SHEET	E

FILE NAME : S:\FinalDesign\E\10350471_PW\Roads\cds\090201_xs_i94_median2.dgn PLOT DATE : 11-DEC-2017 14:58 PLOT BY : MSCKCM PLOT NAME : 090201_xs_i94_median2 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



NOTE:
SUBGRADE ELEVATIONS ON THE TEMPORARY WIDENING CROSS SECTIONS ARE APPROXIMATE. FIELD VERIFY SUBGRADE ELEVATIONS BASED ON EXISTING PAVEMENT ELEVATIONS.

STA 672+40 TO 673+00

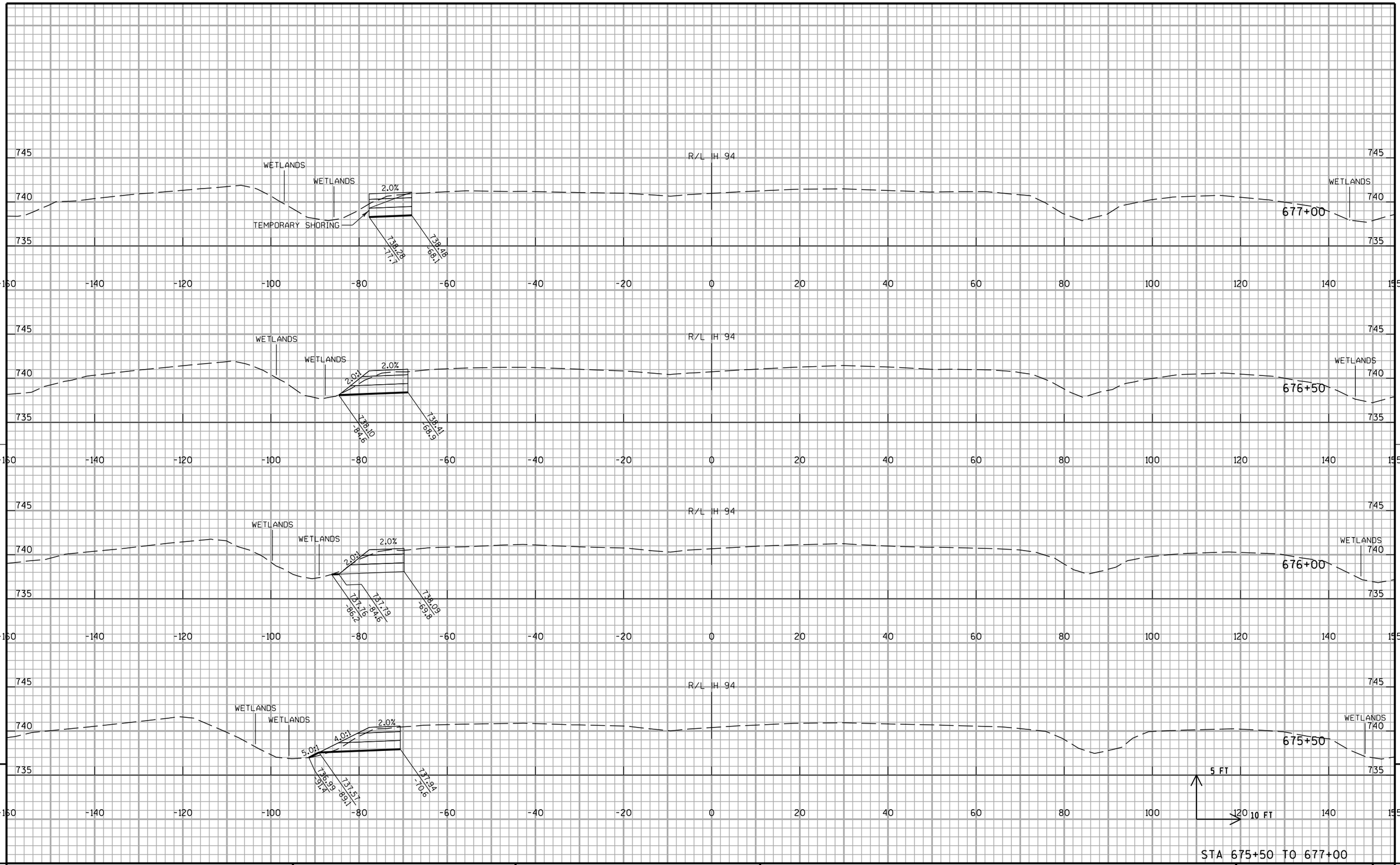
PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	CROSS SECTIONS: IH 41 SB TEMPORARY EXIT RAMP STAGE 1A	SHEET 419	E

FILE NAME : Z:\Racine\CADDS\WZ Prep_142-G\CDS\090201_xs_IH94SB_KR_S1A.dgn PLOT DATE : 12/11/2017 PLOT BY : james.buggs PLOT NAME : $FILE$ PLOT SCALE : 1:20

WISDOT/CADDS SHEET 21

STA 673+50 TO 675+00

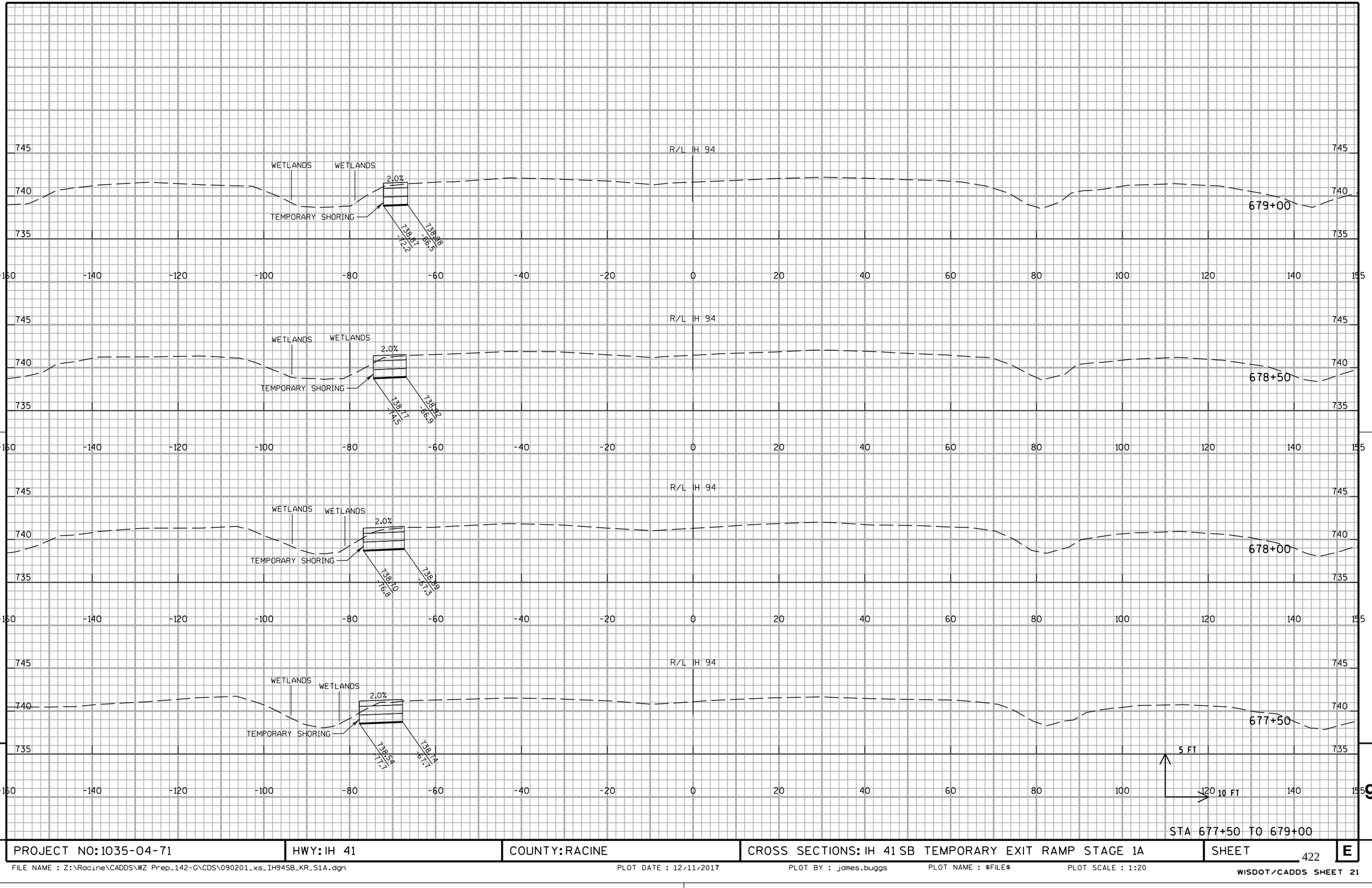
PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	CROSS SECTIONS: IH 41 SB TEMPORARY EXIT RAMP STAGE 1A	SHEET 420	E



STA 675+50 TO 677+00

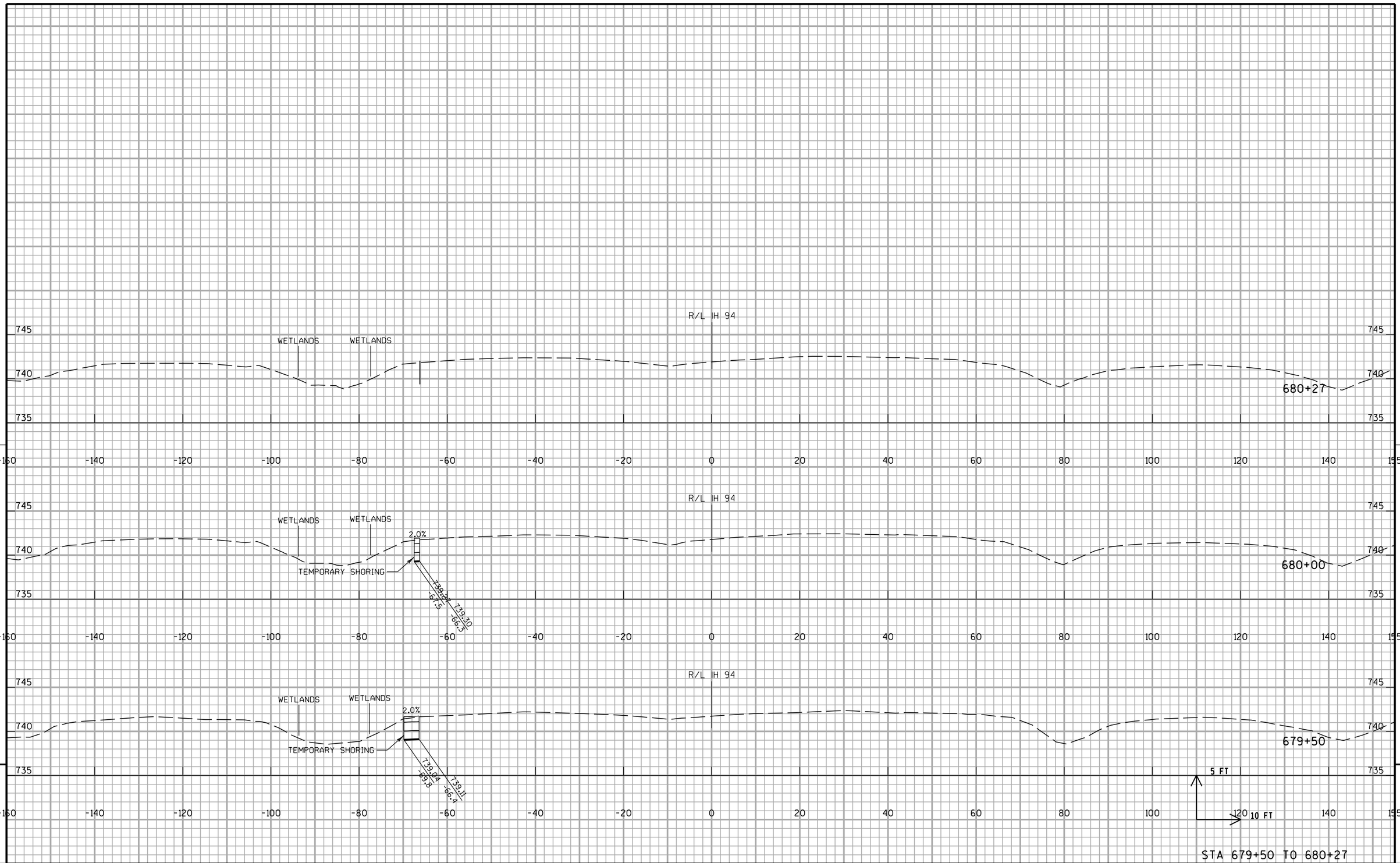
PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	CROSS SECTIONS: IH 41 SB TEMPORARY EXIT RAMP STAGE 1A	SHEET 421	E

FILE NAME : Z:\Racine\CADDS\WZ Prep_142-G\CDS\090201_xs_IH94SB_KR_S1A.dgn PLOT DATE : 12/11/2017 PLOT BY : james.buggs PLOT NAME : $FILE$ PLOT SCALE : 1:20



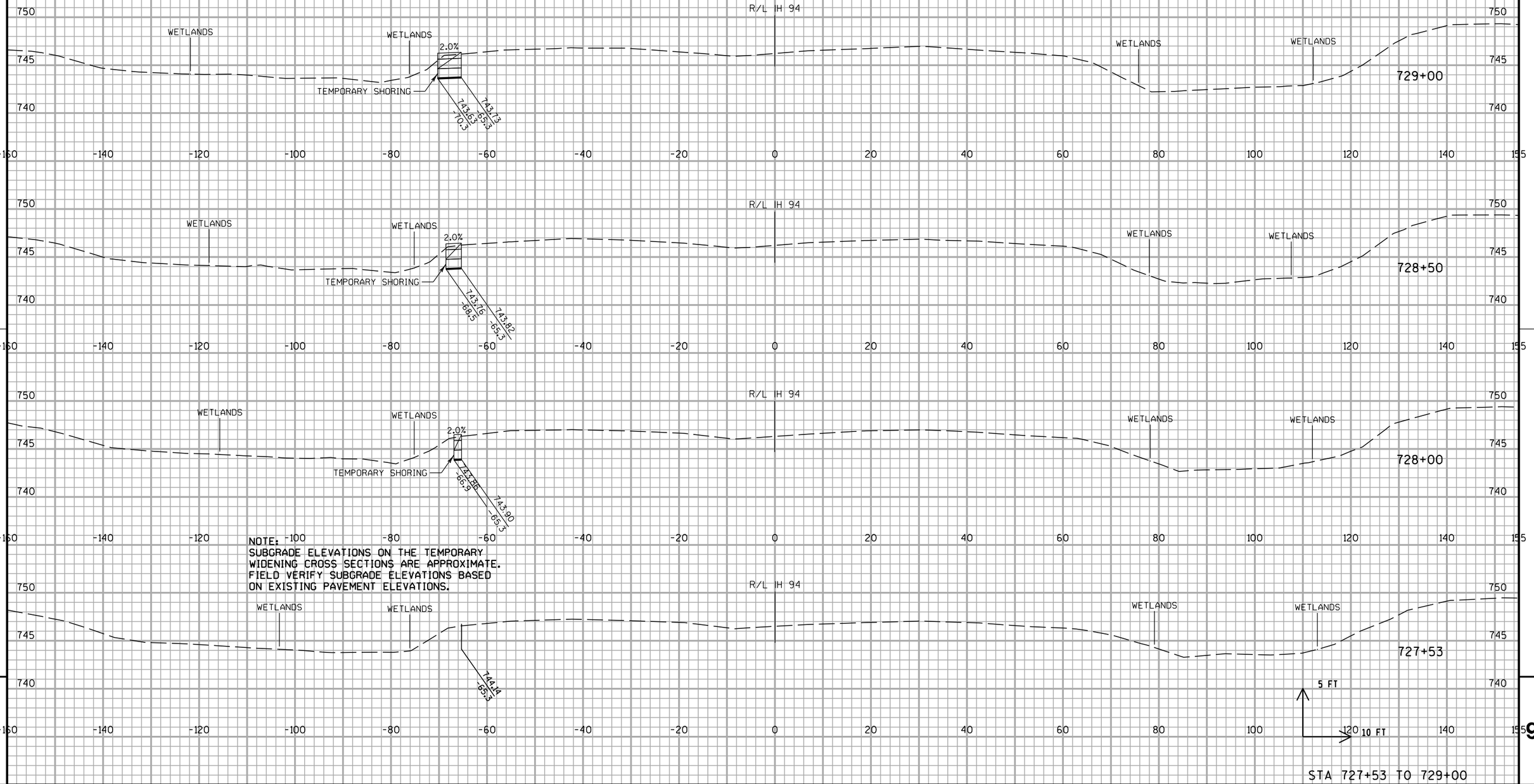
STA 677+50 TO 679+00

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	CROSS SECTIONS: IH 41 SB TEMPORARY EXIT RAMP STAGE 1A	SHEET 422	E



STA 679+50 TO 680+27

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	CROSS SECTIONS: IH 41 SB TEMPORARY EXIT RAMP STAGE 1A	SHEET 423	E



STA 727+53 TO 729+00

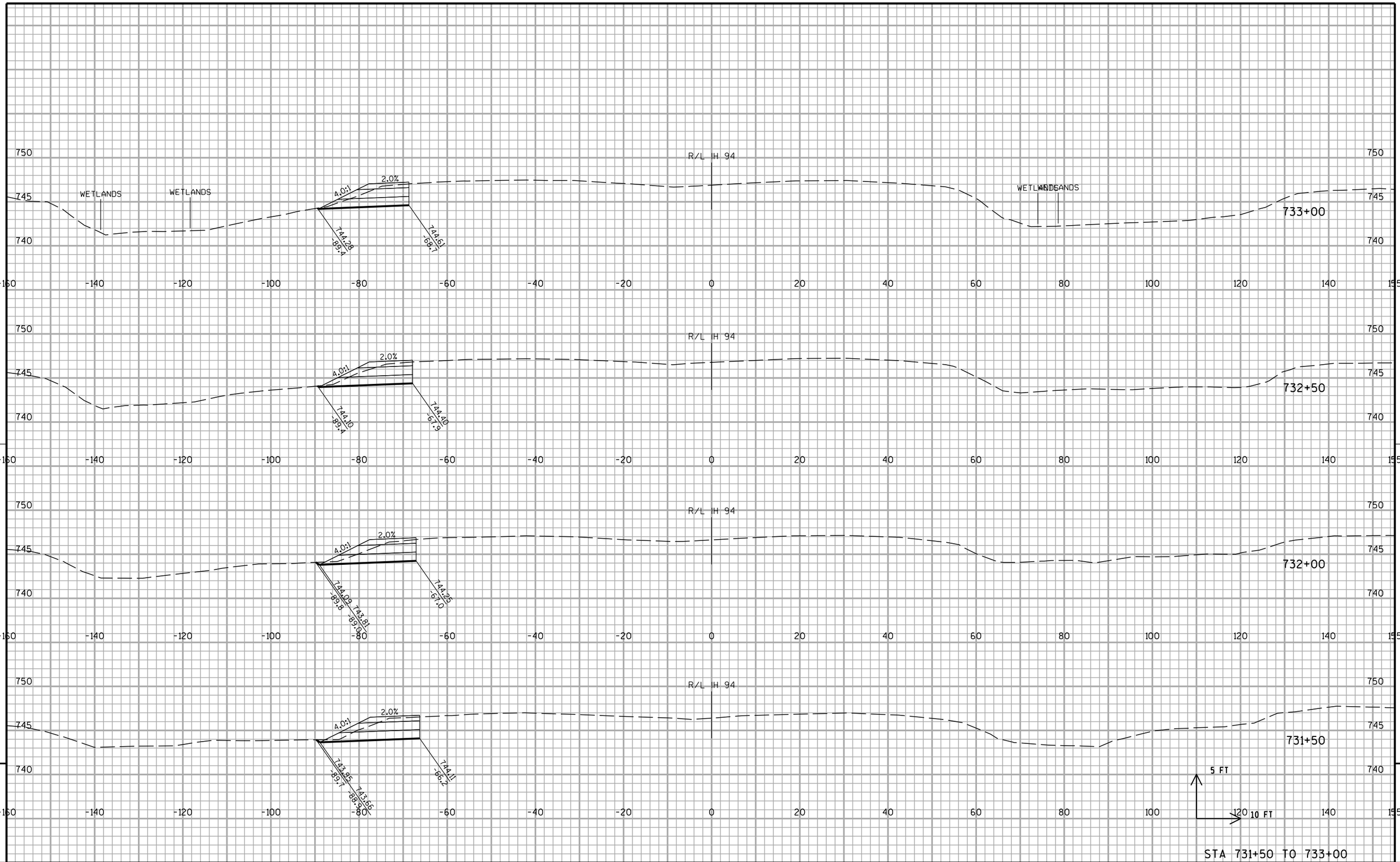
PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	CROSS SECTIONS: IH 41 SB TEMPORARY ENTRANCE RAMP STAGE 1A	SHEET 424	E

STA 729+50 TO 731+00

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	CROSS SECTIONS: IH 41 SB TEMPORARY ENTRANCE RAMP STAGE 1A	SHEET 425	E

FILE NAME : Z:\Racine\CADDS\WZ Prep_142-G\CDS\090202_xs_IH94SB_11_S1A.dgn PLOT DATE : 12/11/2017 PLOT BY : james.buggs PLOT NAME : $FILE$ PLOT SCALE : 1:20

WISDOT/CADDS SHEET 21

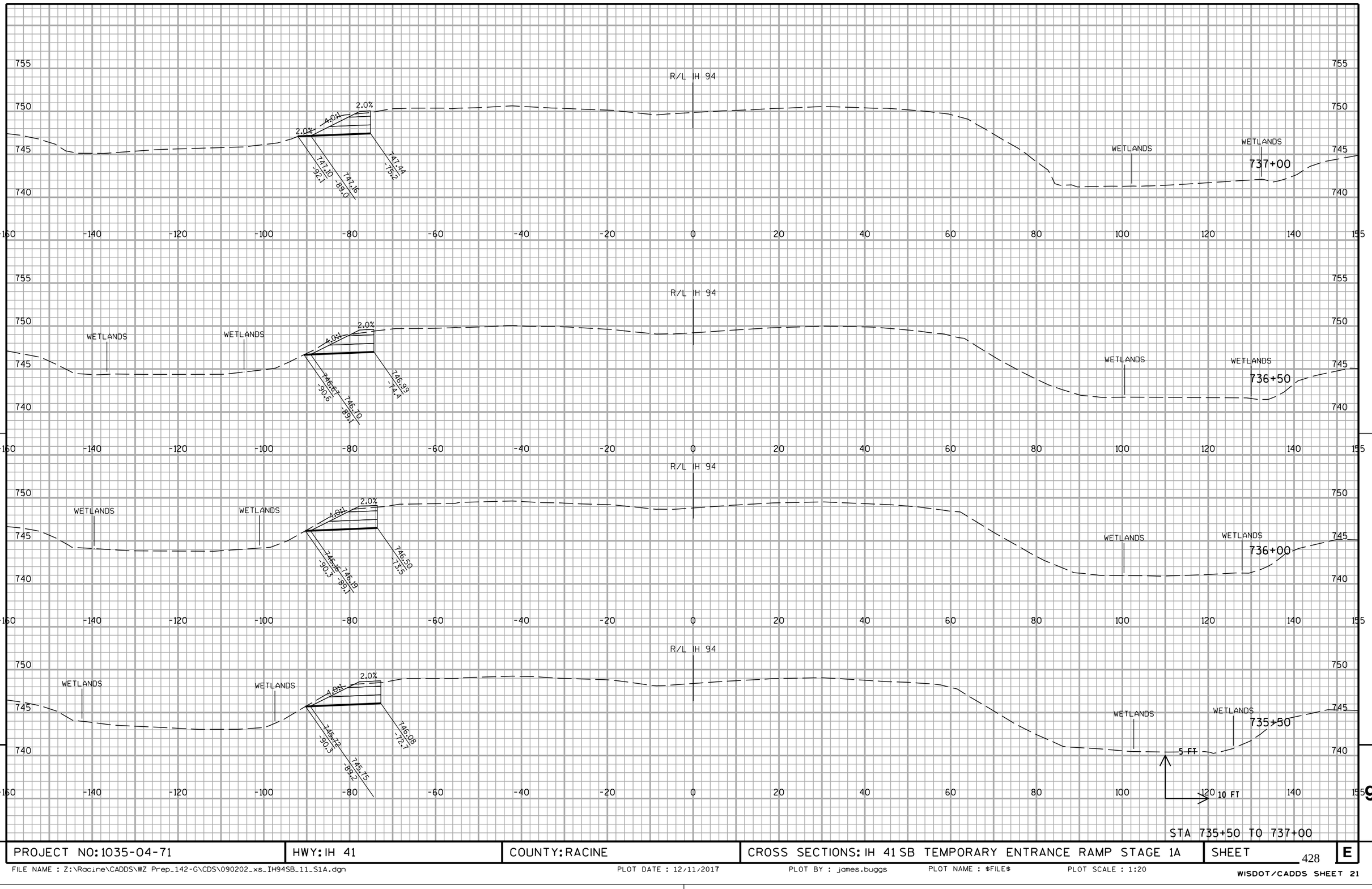


STA 731+50 TO 733+00

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	CROSS SECTIONS: IH 41 SB TEMPORARY ENTRANCE RAMP STAGE 1A	SHEET 426	E

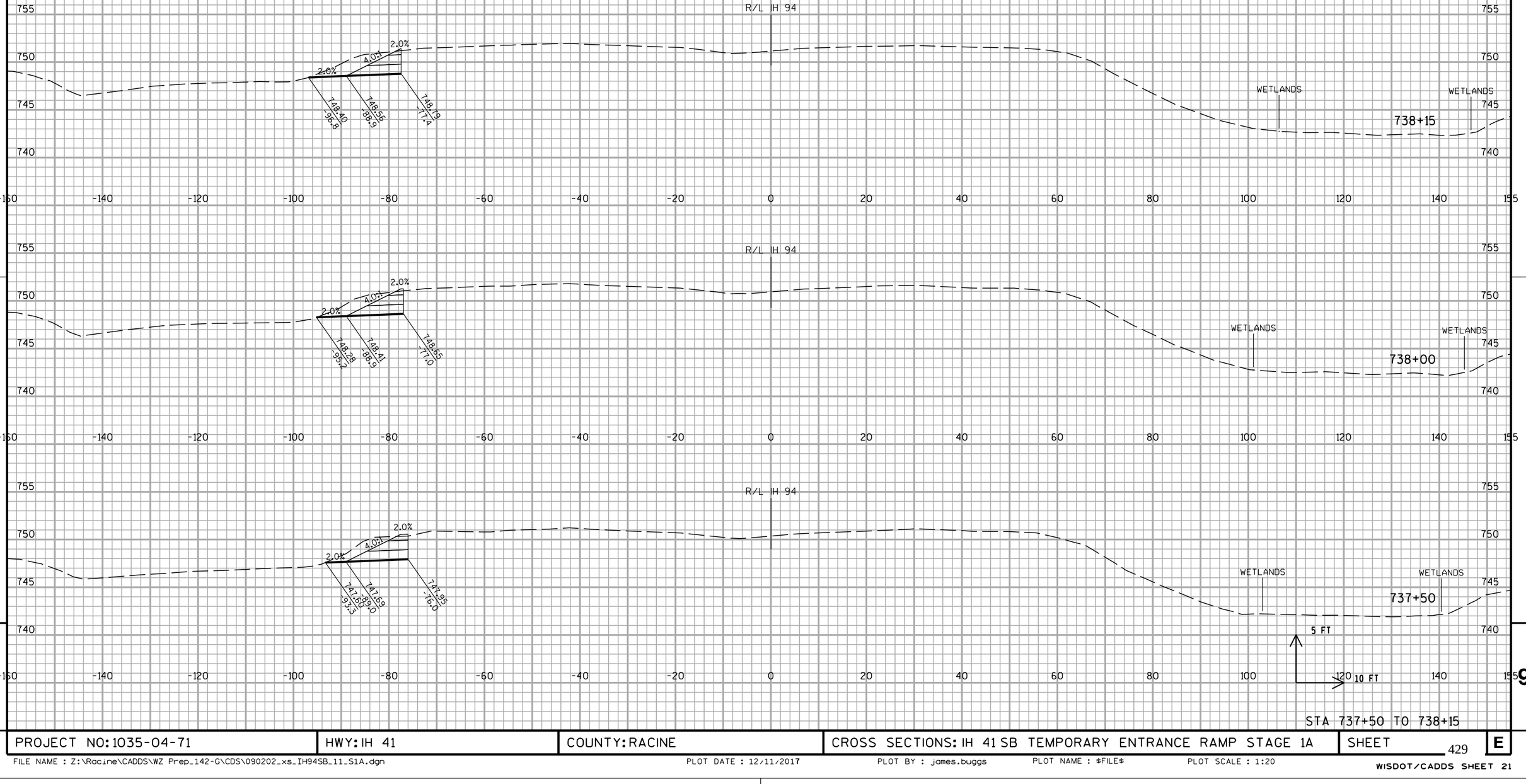
STA 733+50 TO 735+00

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	CROSS SECTIONS: IH 41 SB TEMPORARY ENTRANCE RAMP STAGE 1A	SHEET 427	E



STA 735+50 TO 737+00

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	CROSS SECTIONS: IH 41 SB TEMPORARY ENTRANCE RAMP STAGE 1A	SHEET 428	E

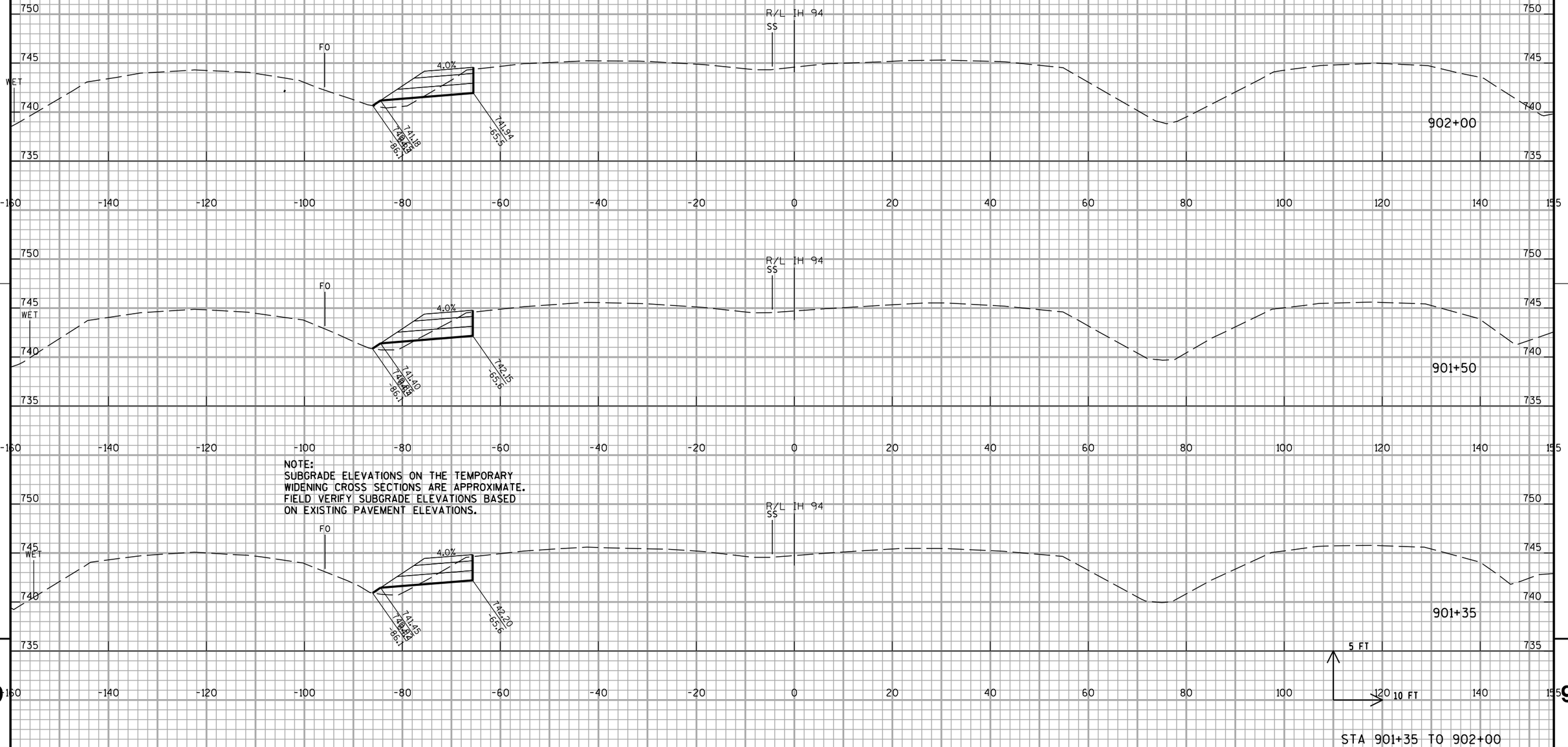


STA 737+50 TO 738+15

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	CROSS SECTIONS: IH 41 SB TEMPORARY ENTRANCE RAMP STAGE 1A	SHEET 429	E

FILE NAME : Z:\Racine\CADDS\WZ Prep_142-G\CDS\090202_xs_IH94SB_11_S1A.dgn PLOT DATE : 12/11/2017 PLOT BY : james.buggs PLOT NAME : $FILE$ PLOT SCALE : 1:20

WISDOT/CADDS SHEET 21



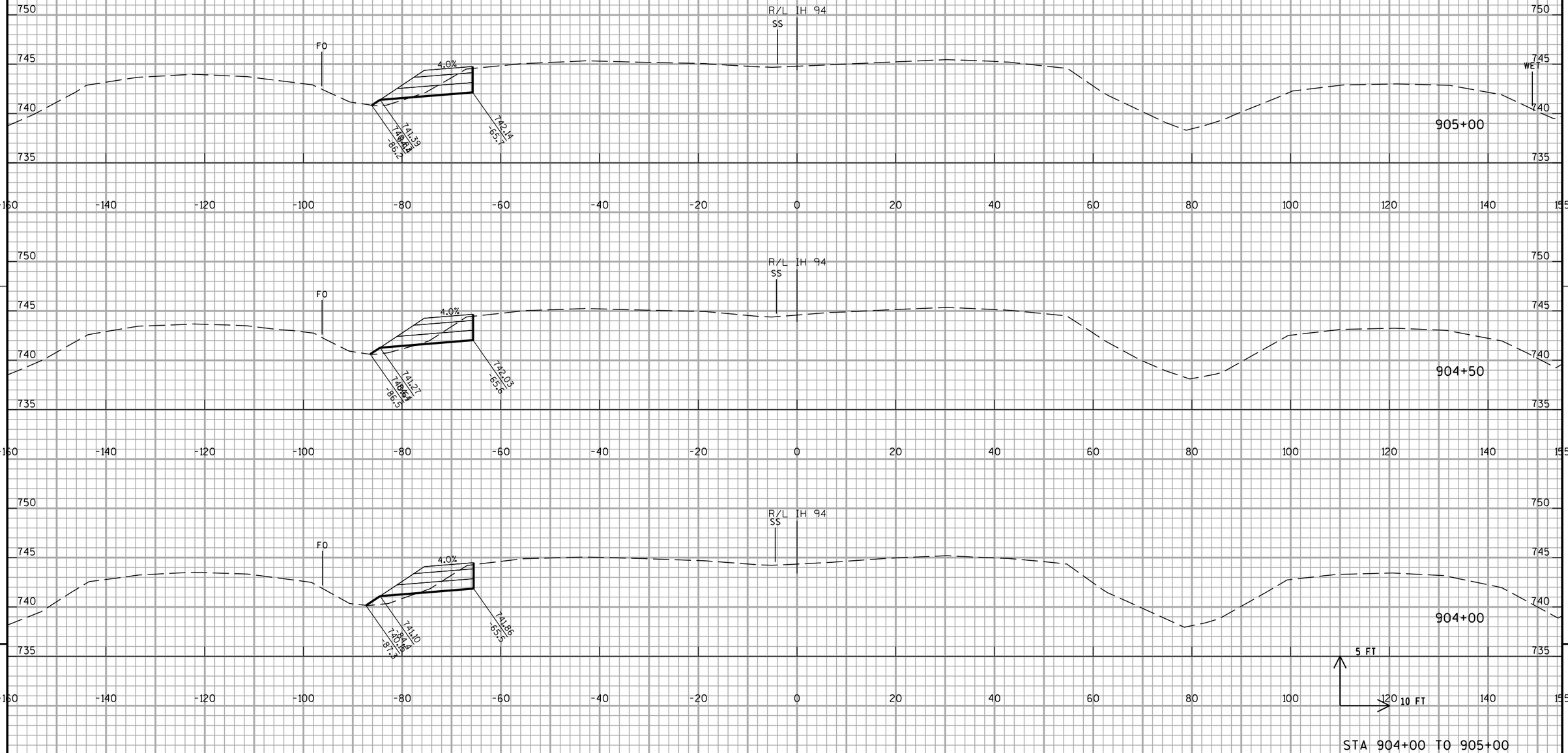
PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	CROSS SECTIONS: IH 41 SB TEMPORARY WIDENING STAGE 1A	SHEET 430	E

STA 902+50 TO 903+50

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	CROSS SECTIONS: IH 41 SB TEMPORARY WIDENING STAGE 1A	SHEET 431	E

FILE NAME : Z:\Racine\CADDS\WZ Prep_142-G\CDS\090203_xs_IH94SB_MS_S1A.dgn PLOT DATE : 12/11/2017 PLOT BY : james.buggs PLOT NAME : $FILE$ PLOT SCALE : 1:20

WISDOT/CADDS SHEET 21



STA 904+00 TO 905+00

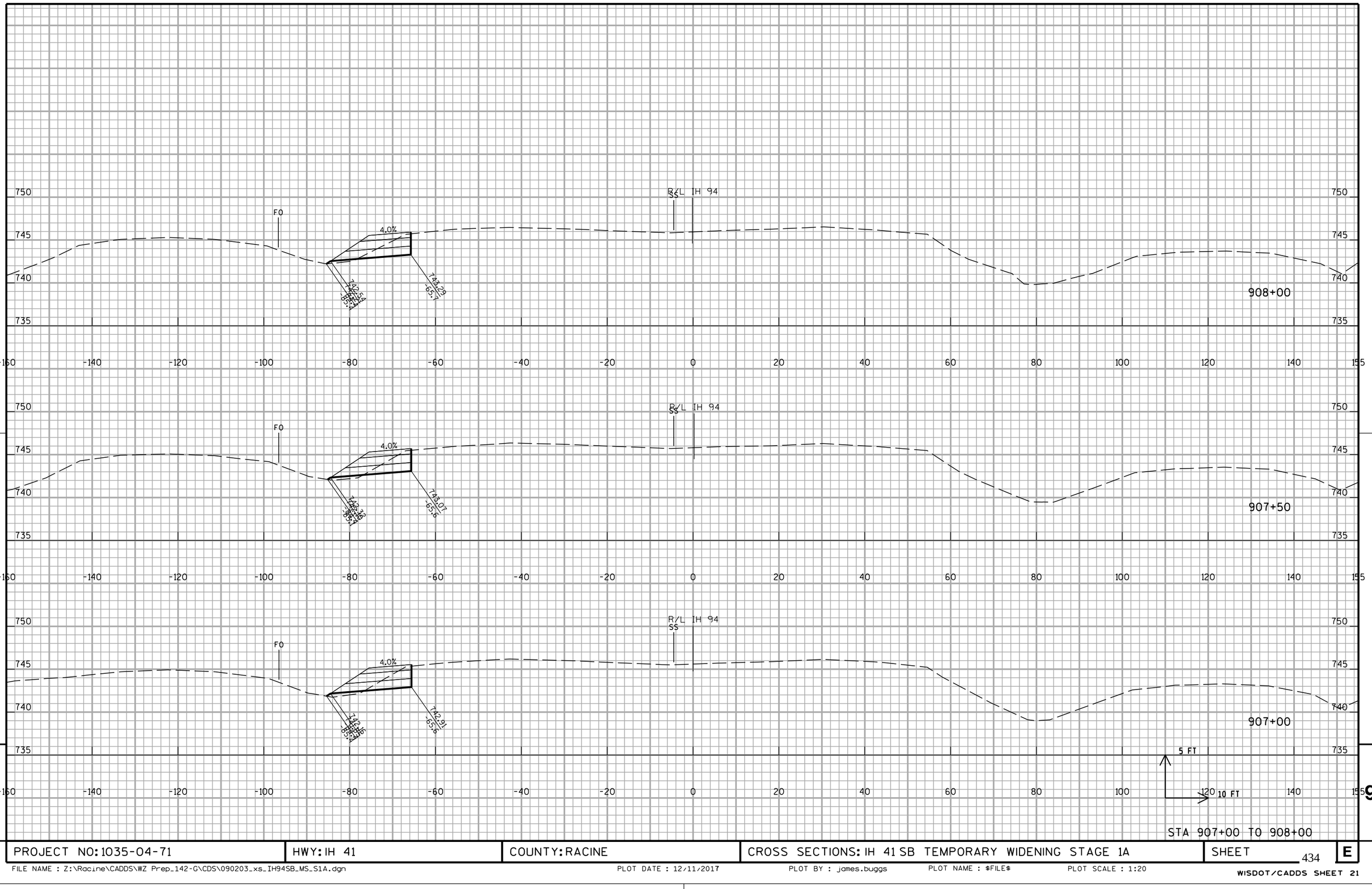
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FILE NAME : Z:\Racine\CADDS\WZ Prep_142-G\CDS\090203_xs_IH94SB_MS_S1A.dgn PLOT DATE : 12/11/2017 PLOT BY : james.buggs PLOT NAME : $FILE$ PLOT SCALE : 1:20

WISDOT/CADDS SHEET 21

STA 905+50 TO 906+50

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	CROSS SECTIONS: IH 41 SB TEMPORARY WIDENING STAGE 1A	SHEET 433	E

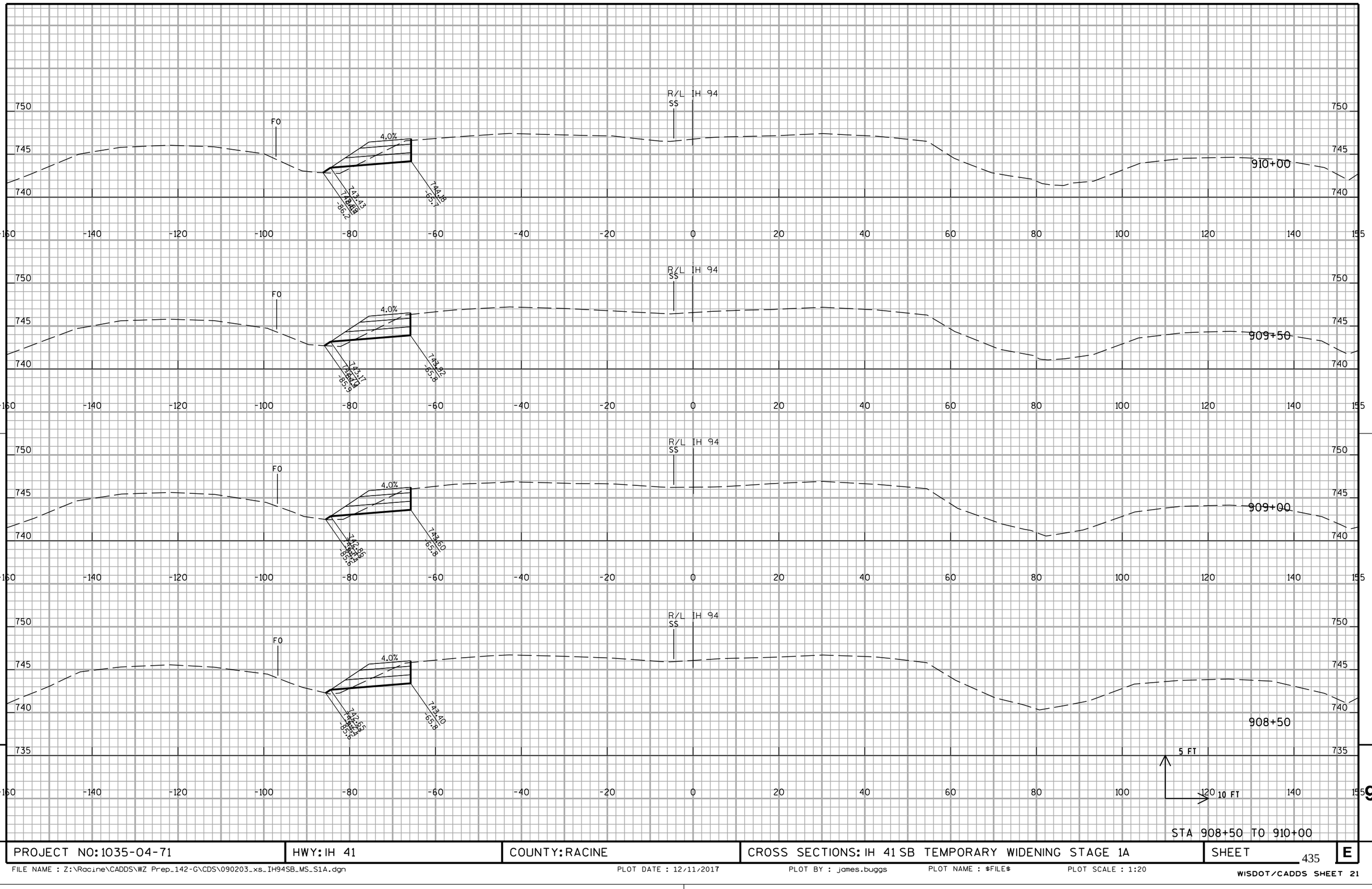


STA 907+00 TO 908+00

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	CROSS SECTIONS: IH 41 SB TEMPORARY WIDENING STAGE 1A	SHEET 434	E

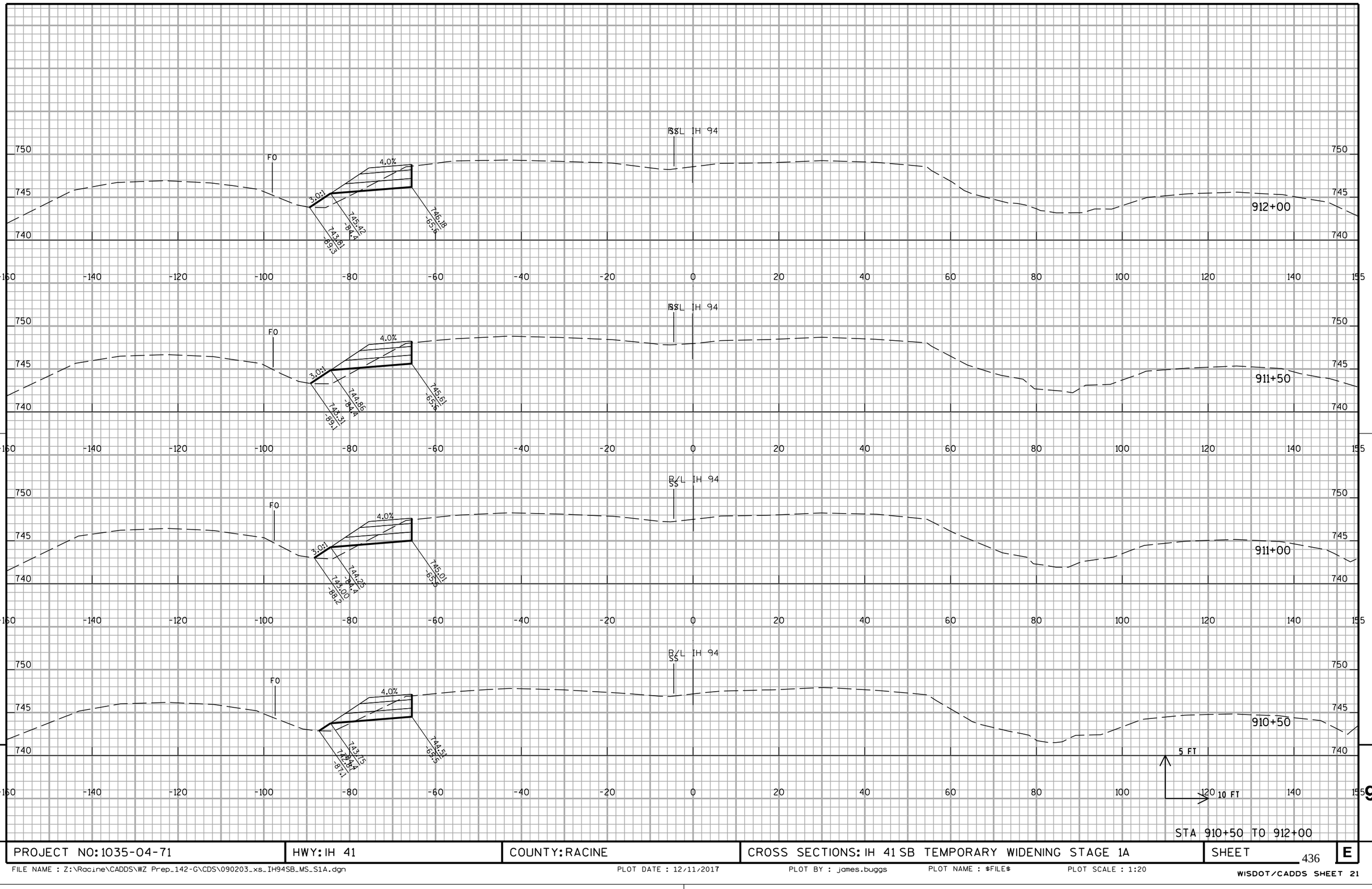
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WISDOT/CADDS SHEET 21



STA 908+50 TO 910+00

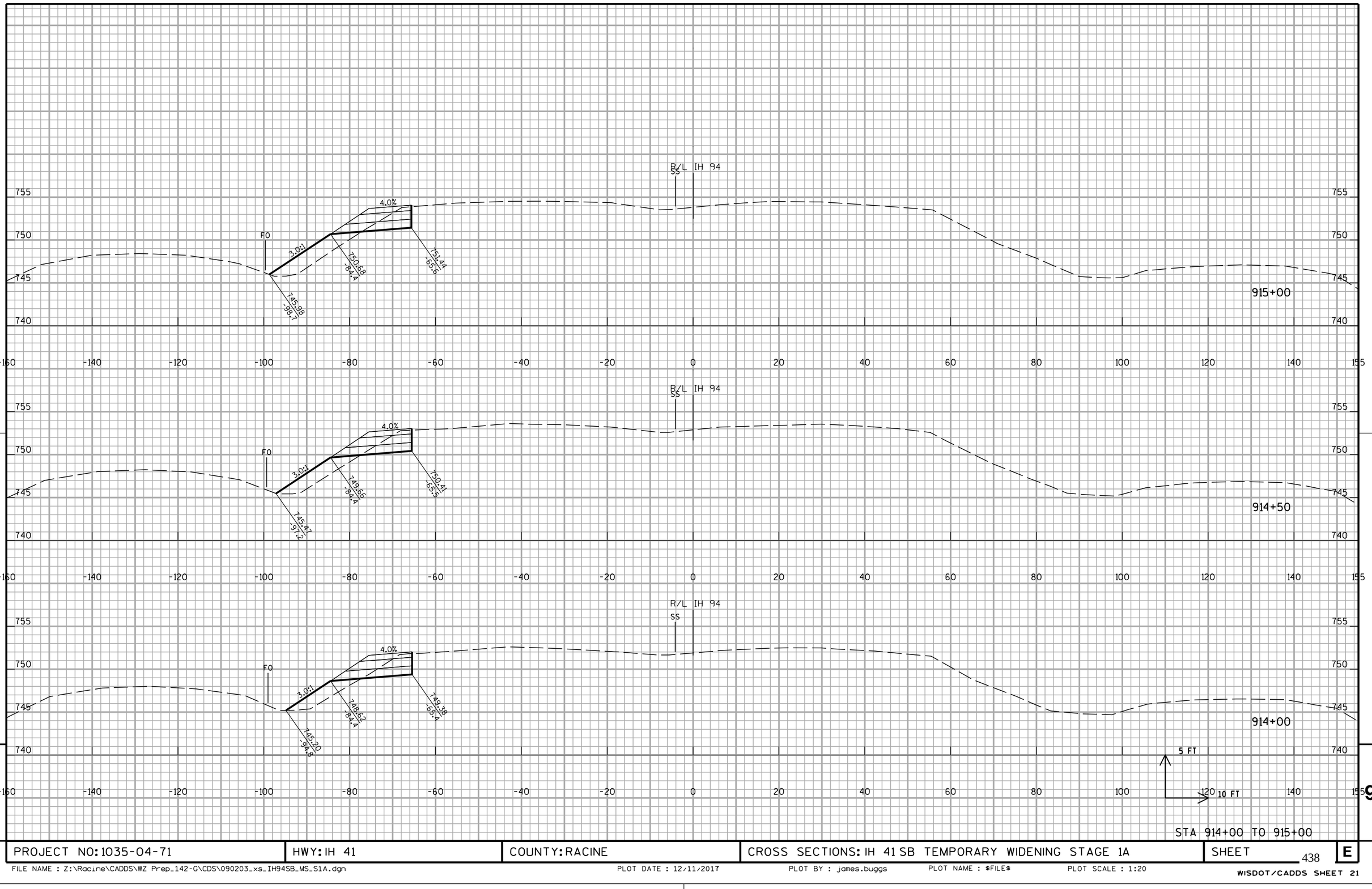
PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	CROSS SECTIONS: IH 41 SB TEMPORARY WIDENING STAGE 1A	SHEET 435	E



STA 910+50 TO 912+00

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	CROSS SECTIONS: IH 41 SB TEMPORARY WIDENING STAGE 1A	SHEET 436	E

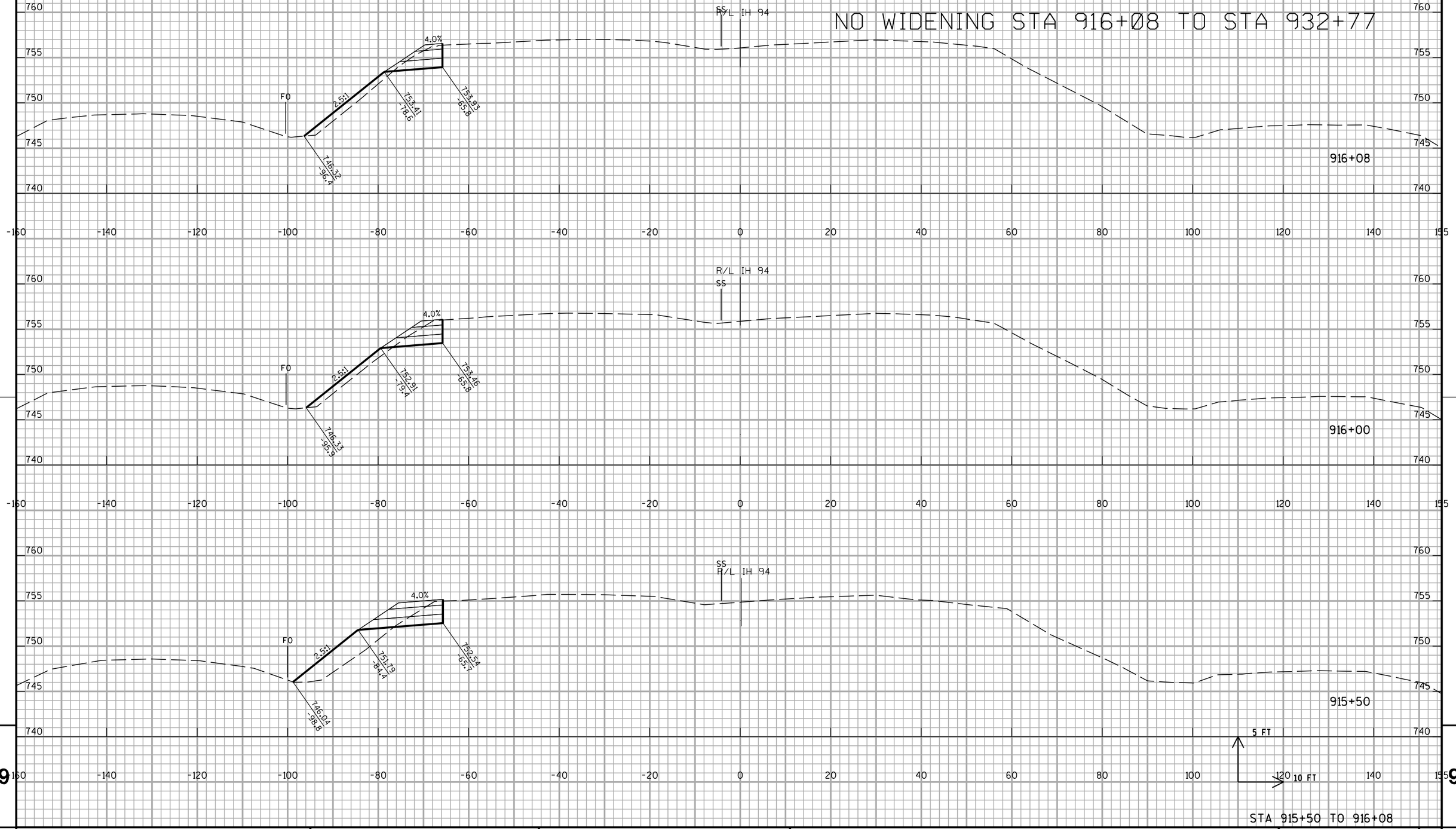
PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	CROSS SECTIONS: IH 41 SB TEMPORARY WIDENING STAGE 1A	SHEET 437	E



STA 914+00 TO 915+00

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	CROSS SECTIONS: IH 41 SB TEMPORARY WIDENING STAGE 1A	SHEET 438	E

NO WIDENING STA 916+08 TO STA 932+77

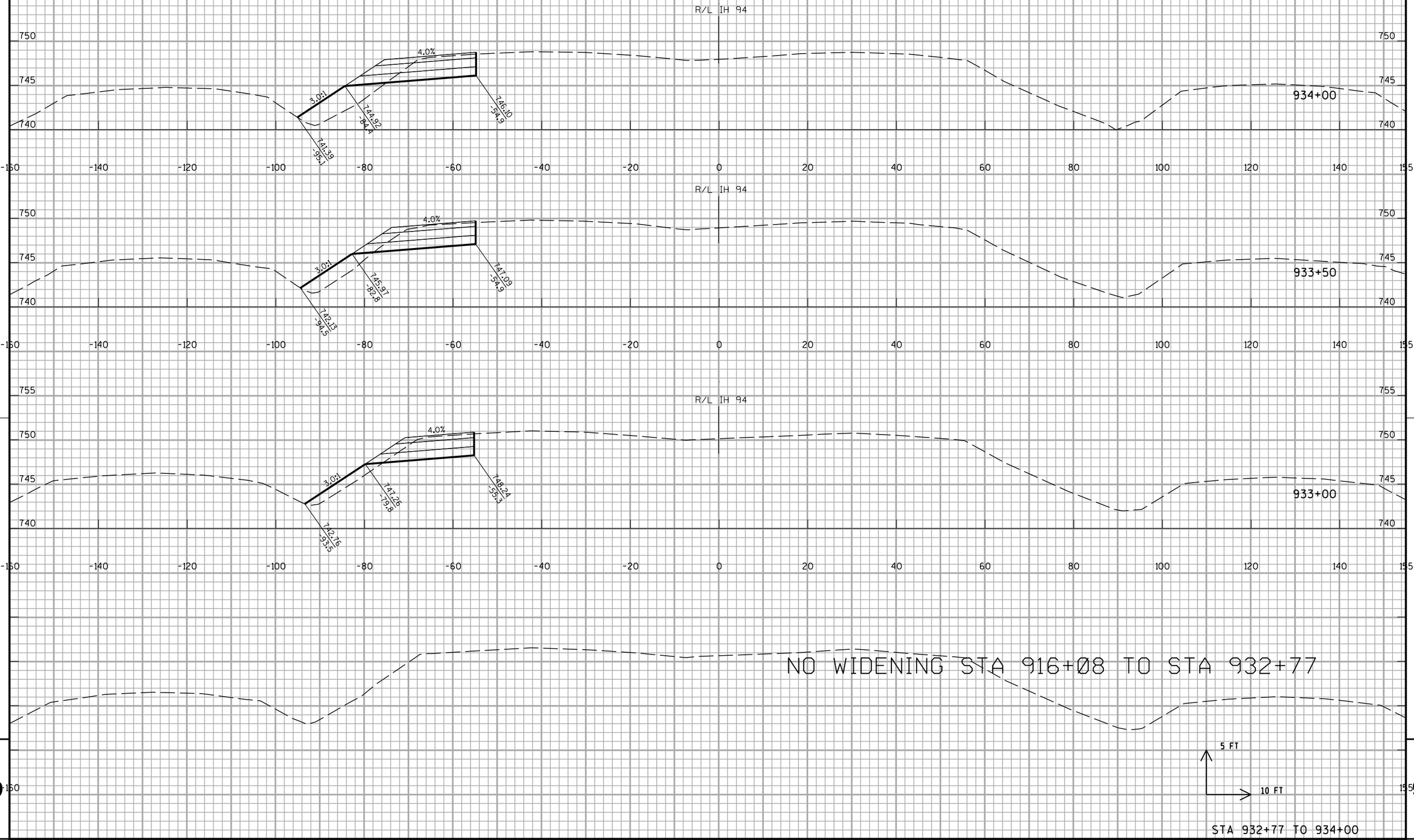


STA 915+50 TO 916+08

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	CROSS SECTIONS: IH 41 SB TEMPORARY WIDENING STAGE 1A	SHEET 439	E

FILE NAME : Z:\Racine\CADDS\WZ Prep_142-G\CDS\090203_xs_IH94SB_MS_S1A.dgn PLOT DATE : 12/11/2017 PLOT BY : james.buggs PLOT NAME : $FILE$ PLOT SCALE : 1:20

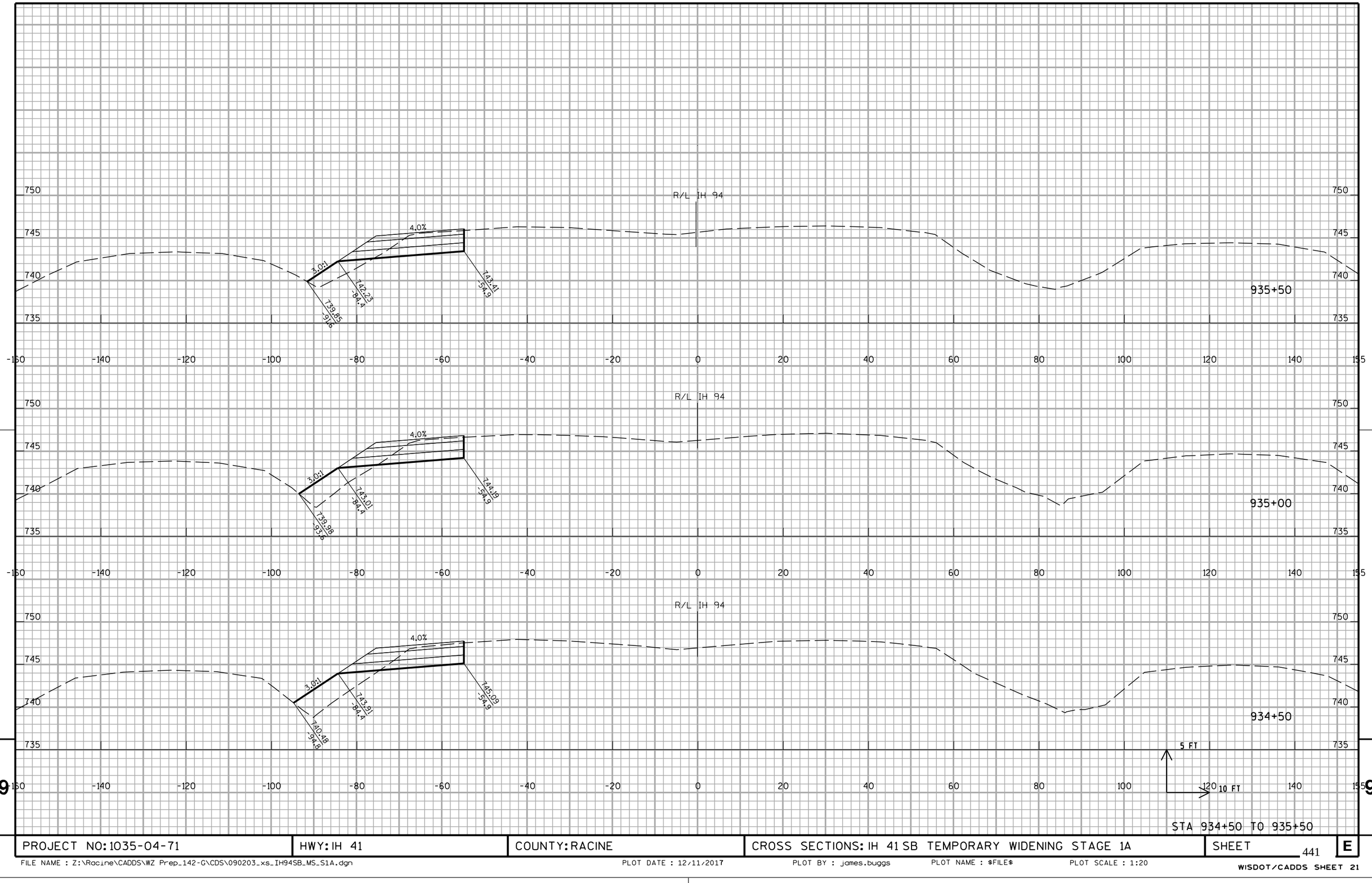
WISDOT/CADDS SHEET 21



PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	CROSS SECTIONS: IH 41 SB TEMPORARY WIDENING STAGE 1A	SHEET 440	E

FILE NAME : Z:\Racine\CADDS\WZ Prep_142-G\CDS\090203_xs_IH94SB_MS_S1A.dgn PLOT DATE : 12/11/2017 PLOT BY : james.buggs PLOT NAME : $FILE$ PLOT SCALE : 1:20

WISDOT/CADDS SHEET 21



PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	CROSS SECTIONS: IH 41 SB TEMPORARY WIDENING STAGE 1A	SHEET 441	E

FILE NAME : Z:\Racine\CADDS\WZ Prep_142-G\CDS\090203_xs_IH94SB_MS_S1A.dgn PLOT DATE : 12/11/2017 PLOT BY : james.buggs PLOT NAME : $FILE$ PLOT SCALE : 1:20

WISDOT/CADDS SHEET 21

R/L IH 94

745
740
735

4.0%

739.99
-85.9

741.18
-54.6

937+50

-160 -140 -120 -100 -80 -60 -40 -20 0 20 40 60 80 100 120 140 155

R/L IH 94

745
740
735

4.0%

740.57
-86.5

741.75
-54.7

937+00

-160 -140 -120 -100 -80 -60 -40 -20 0 20 40 60 80 100 120 140 155

R/L IH 94

745
740
735

4.0%

741.02
-86.4

742.20
-54.8

936+50

-160 -140 -120 -100 -80 -60 -40 -20 0 20 40 60 80 100 120 140 155

R/L IH 94

750
745
740
735

4.0%

3.0:1

740.03
-89.3

741.63
-84.4

742.82
-54.7

936+00

5 FT
10 FT

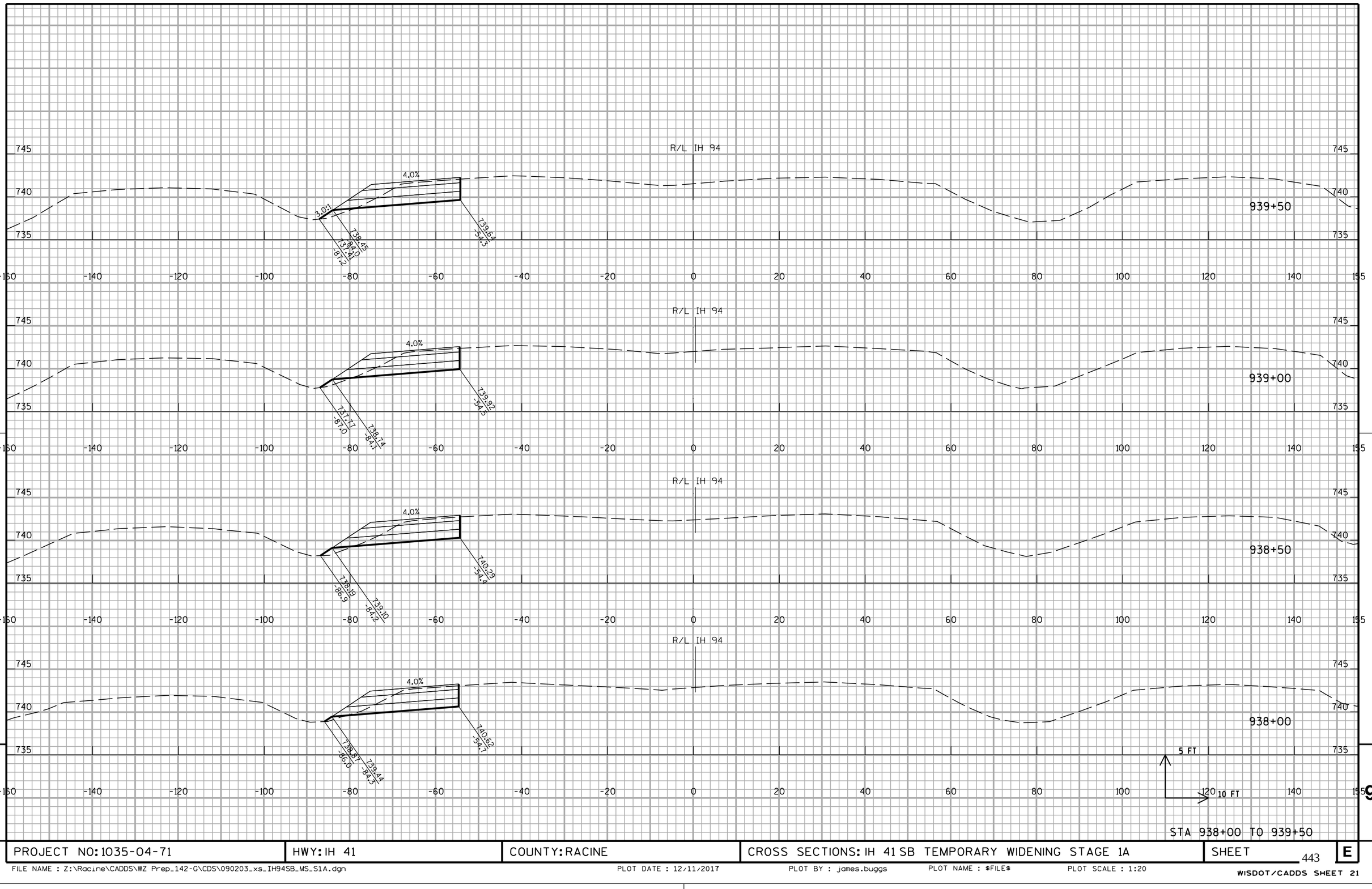
-160 -140 -120 -100 -80 -60 -40 -20 0 20 40 60 80 100 120 140 155

STA 936+00 TO 937+50

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	CROSS SECTIONS: IH 41 SB TEMPORARY WIDENING STAGE 1A	SHEET 442	E

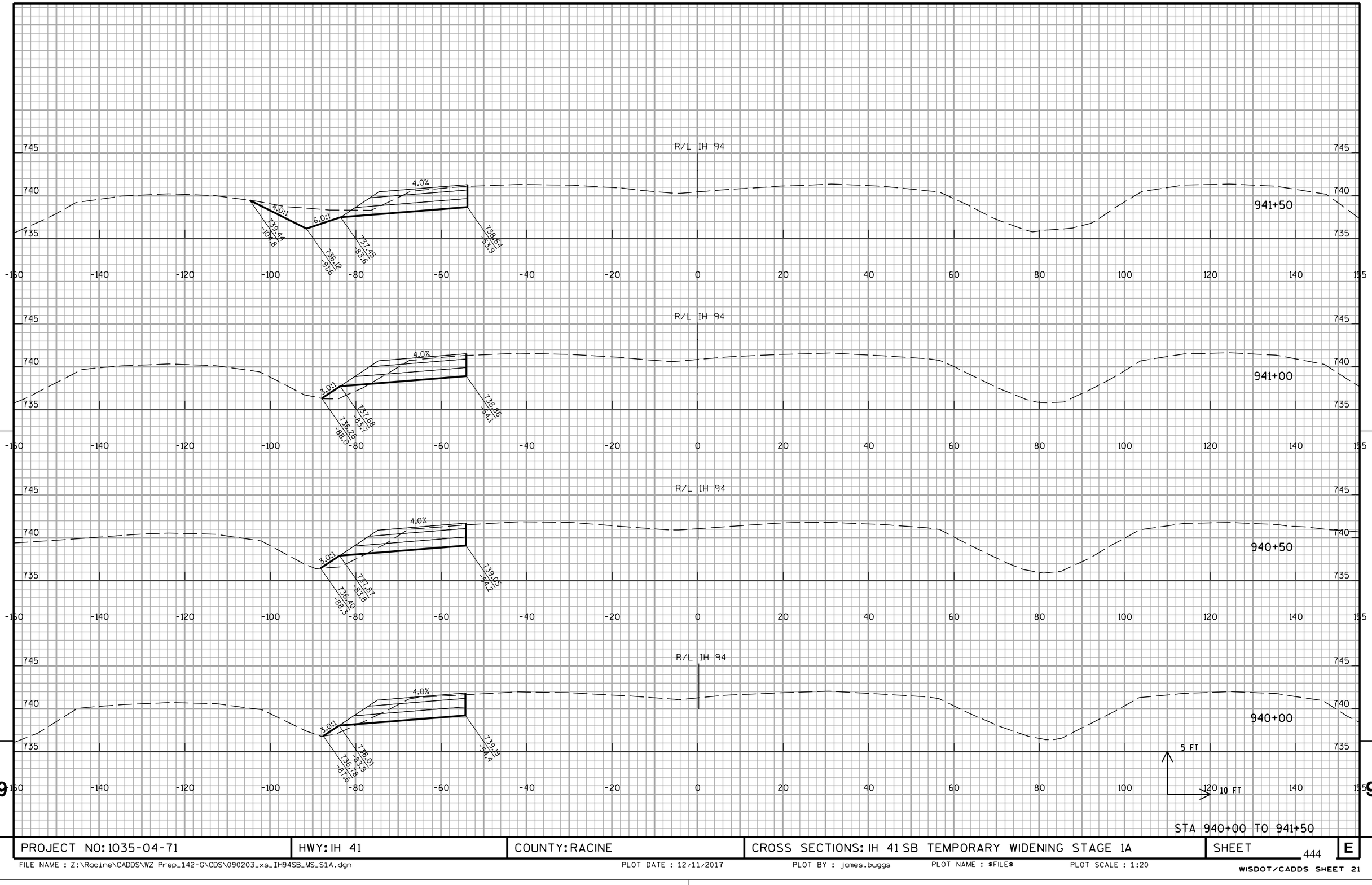
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WISDOT/CADDS SHEET 21



STA 938+00 TO 939+50

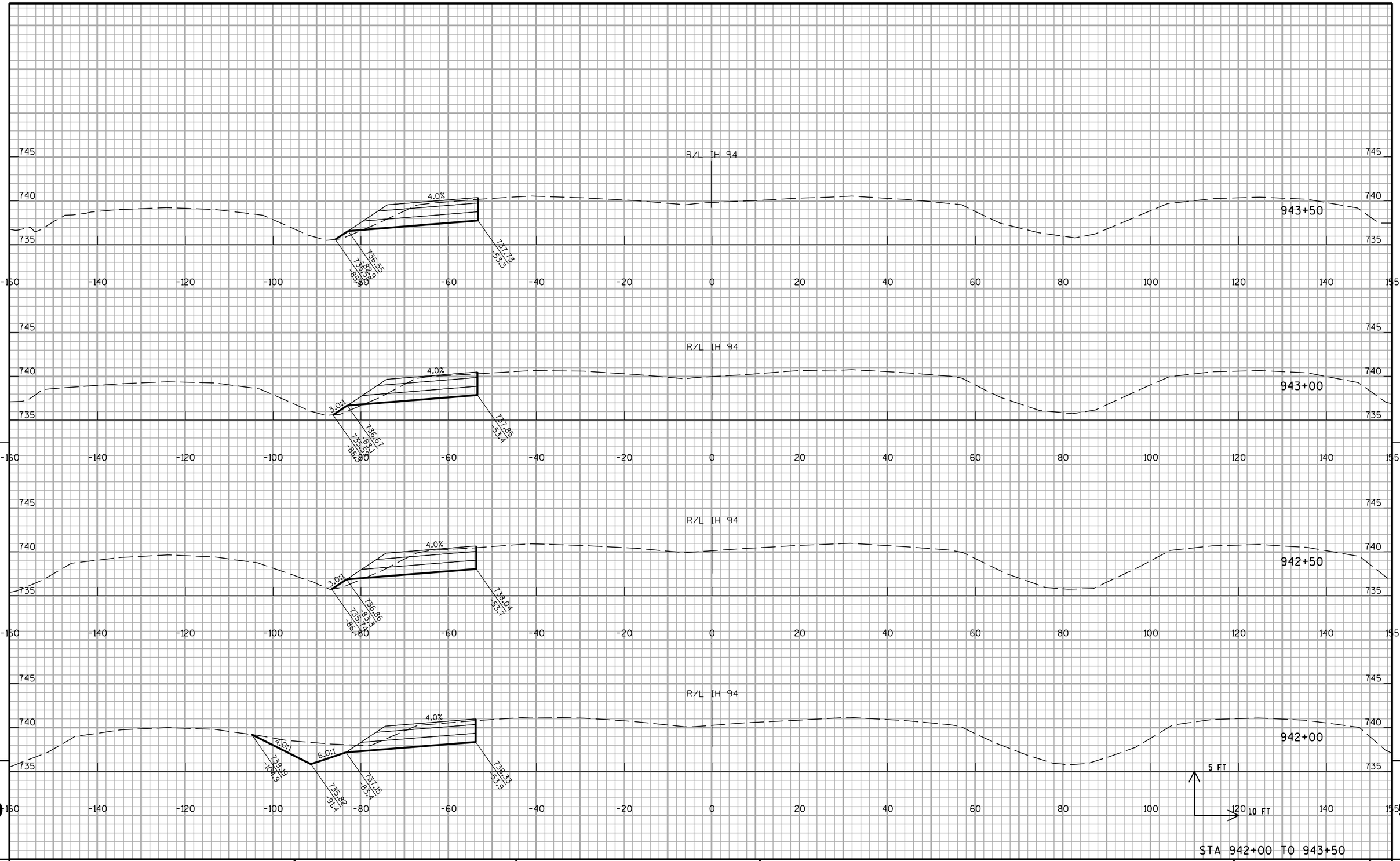
PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	CROSS SECTIONS: IH 41 SB TEMPORARY WIDENING STAGE 1A	SHEET 443	E



PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	CROSS SECTIONS: IH 41 SB TEMPORARY WIDENING STAGE 1A	SHEET 444 E

FILE NAME : Z:\Racine\CADDS\WZ Prep_142-G\CDS\090203_xs_IH94SB_MS_S1A.dgn PLOT DATE : 12/11/2017 PLOT BY : james.buggs PLOT NAME : $FILE$ PLOT SCALE : 1:20

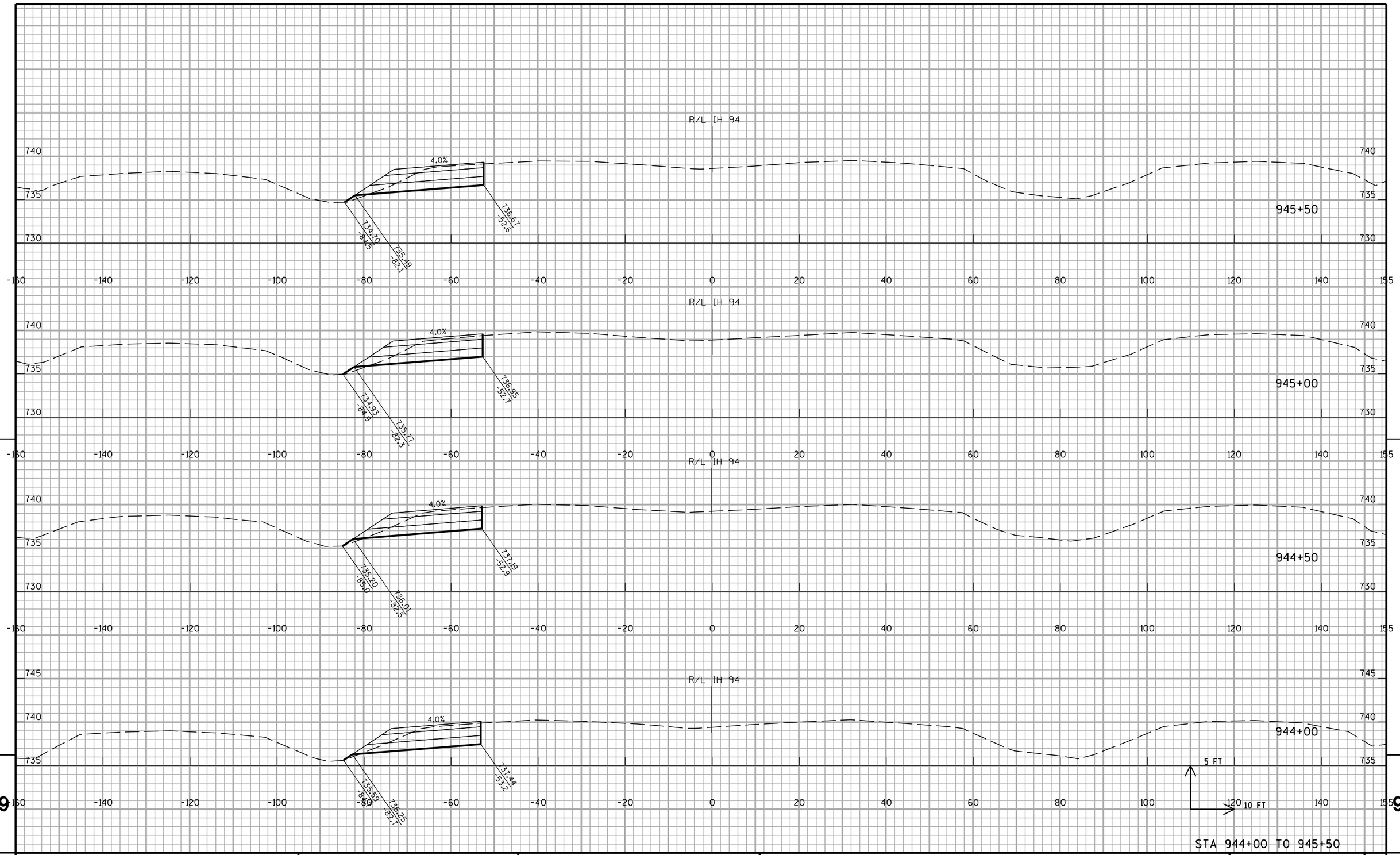
WISDOT/CADDS SHEET 21



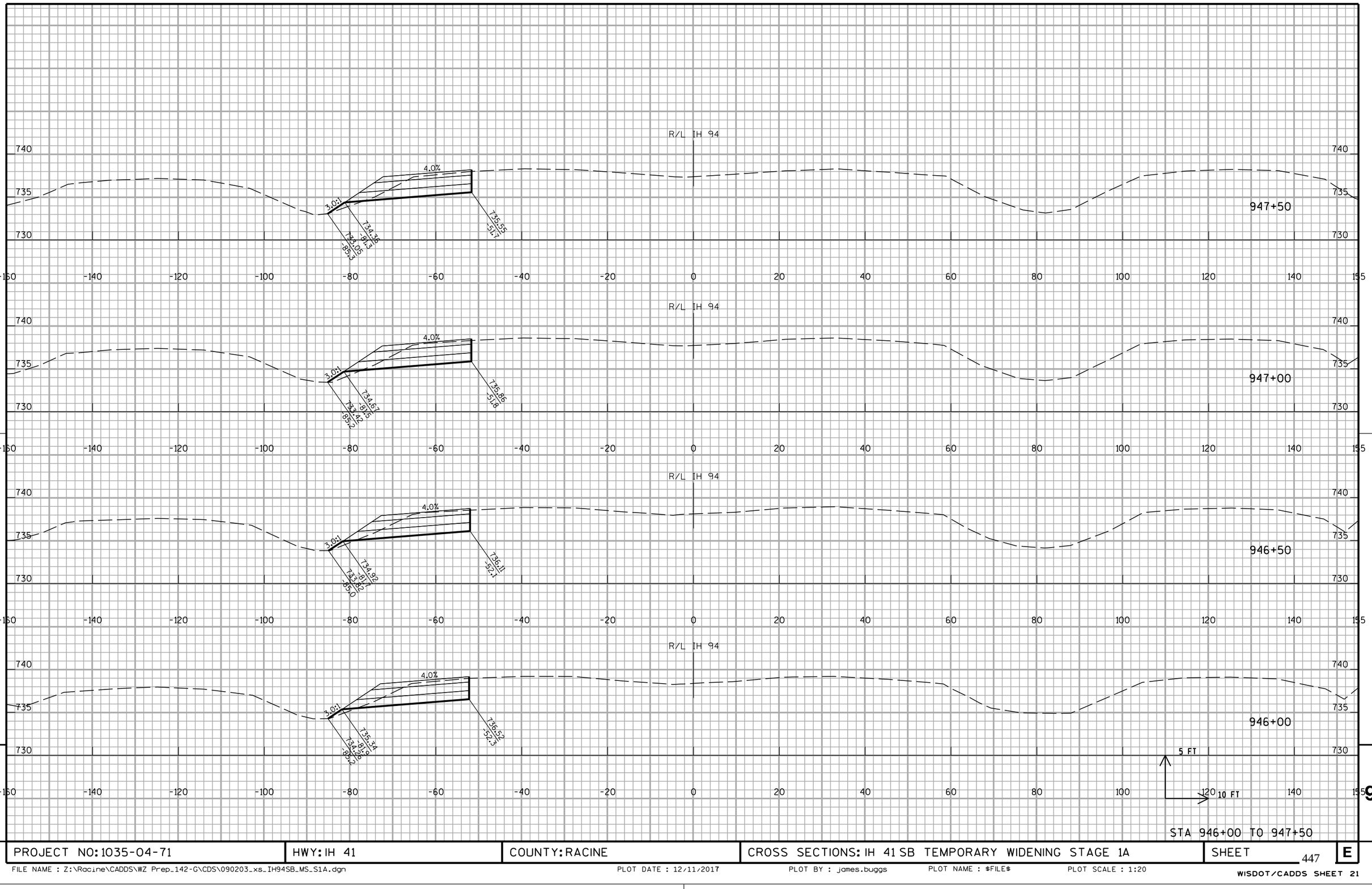
STA 942+00 TO 943+50

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	CROSS SECTIONS: IH 41 SB TEMPORARY WIDENING STAGE 1A	SHEET 445	E

FILE NAME : Z:\Racine\CADDS\WZ Prep_142-G\CDS\090203_xs_IH94SB_MS_S1A.dgn
PLOT DATE : 12/11/2017
PLOT BY : james.buggs
PLOT NAME : $FILE$
PLOT SCALE : 1:20
WISDOT/CADDS SHEET 21

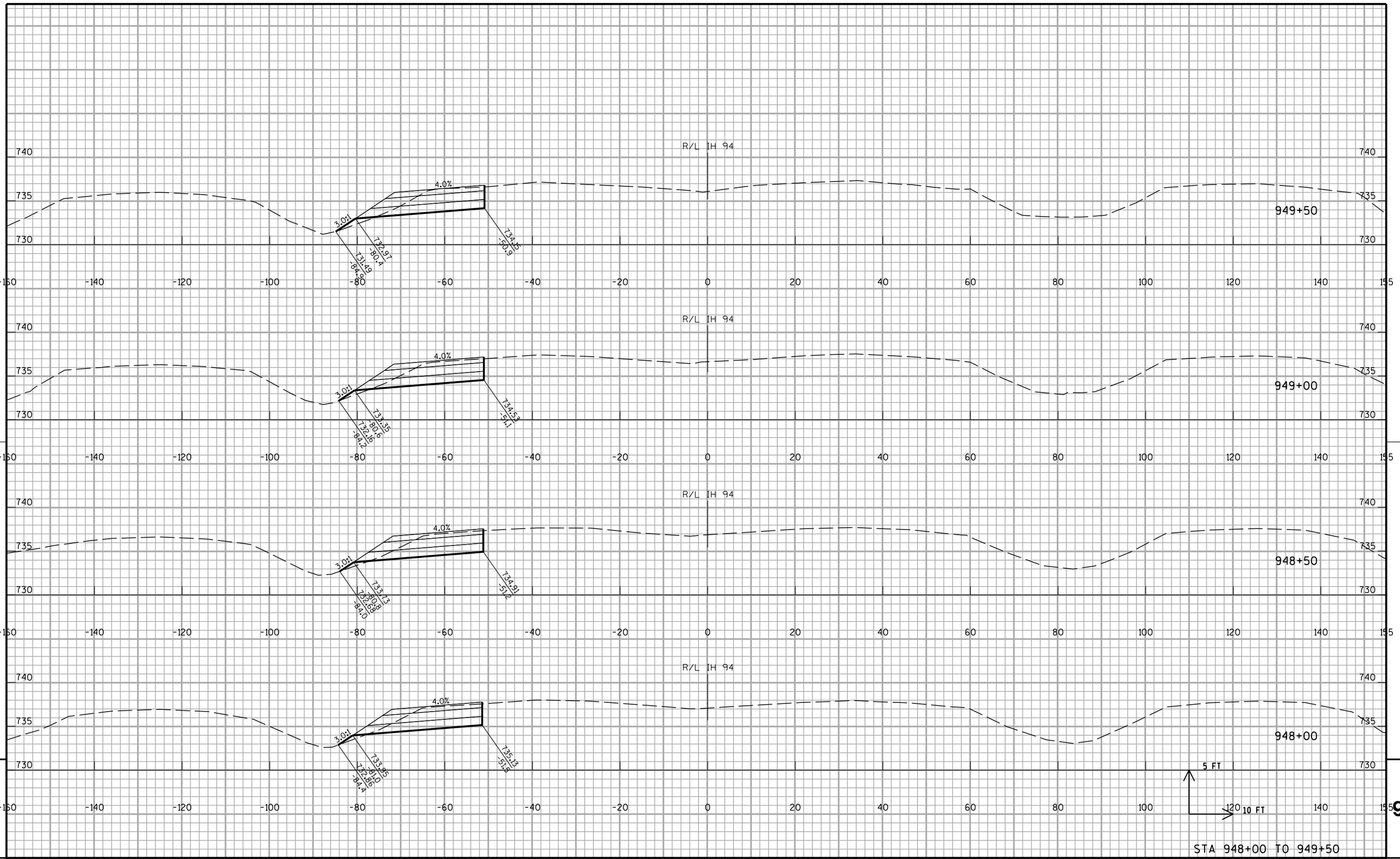


PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	CROSS SECTIONS: IH 41 SB TEMPORARY WIDENING STAGE 1A	SHEET 446	E



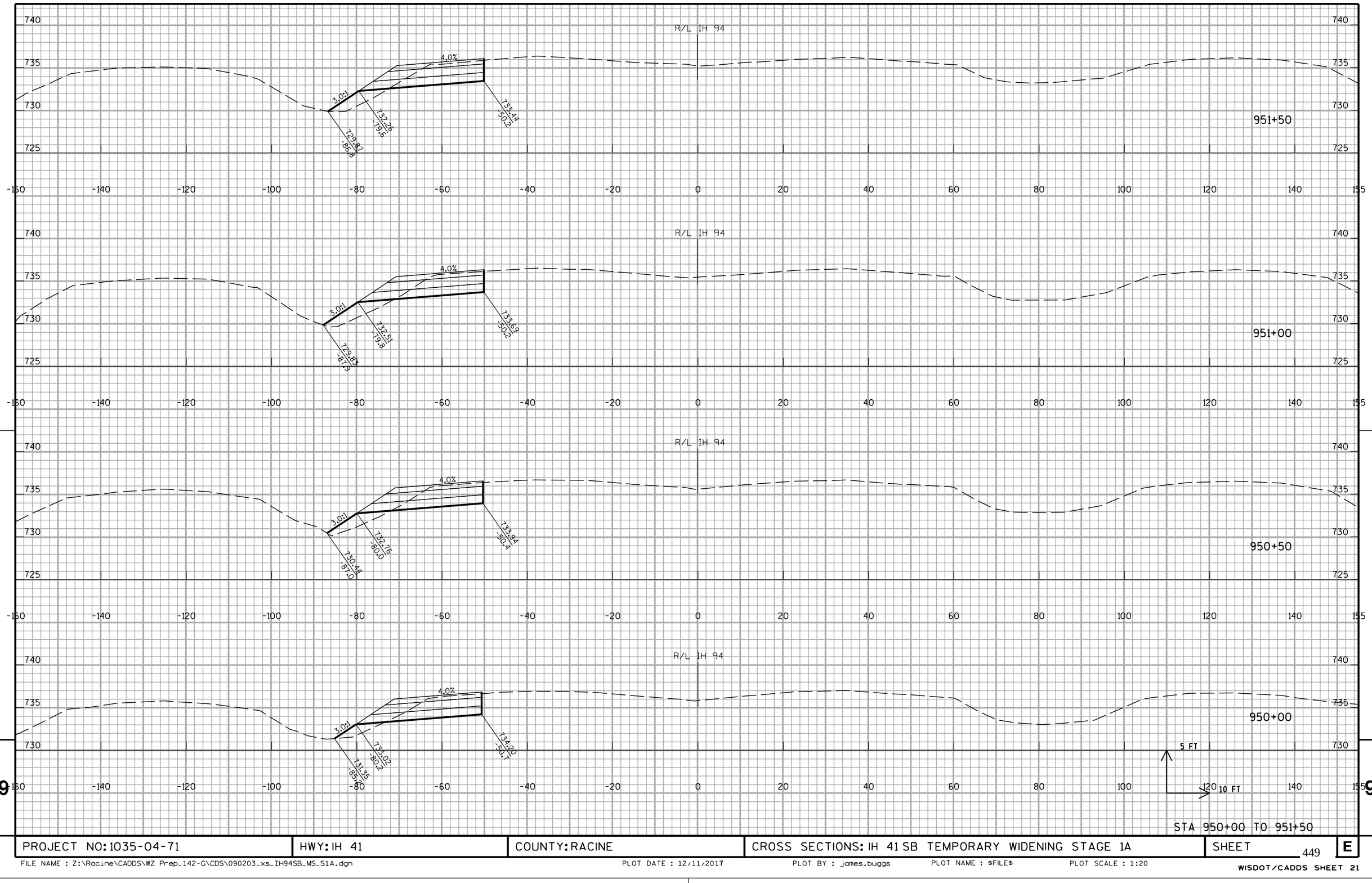
STA 946+00 TO 947+50

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	CROSS SECTIONS: IH 41 SB TEMPORARY WIDENING STAGE 1A	SHEET 447	E



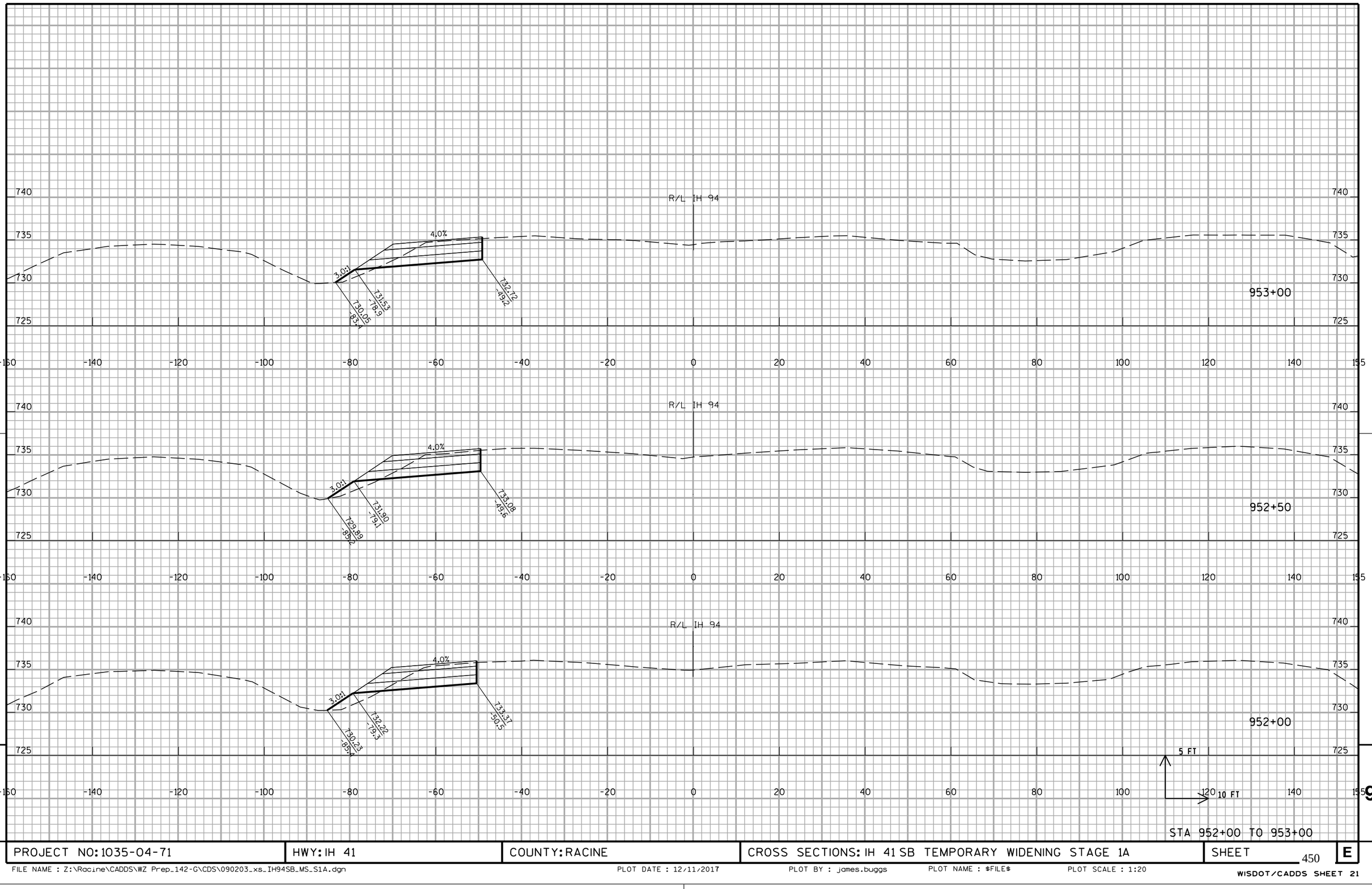
STA 948+00 TO 949+50

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	CROSS SECTIONS: IH 41 SB TEMPORARY WIDENING STAGE 1A	SHEET 448	E



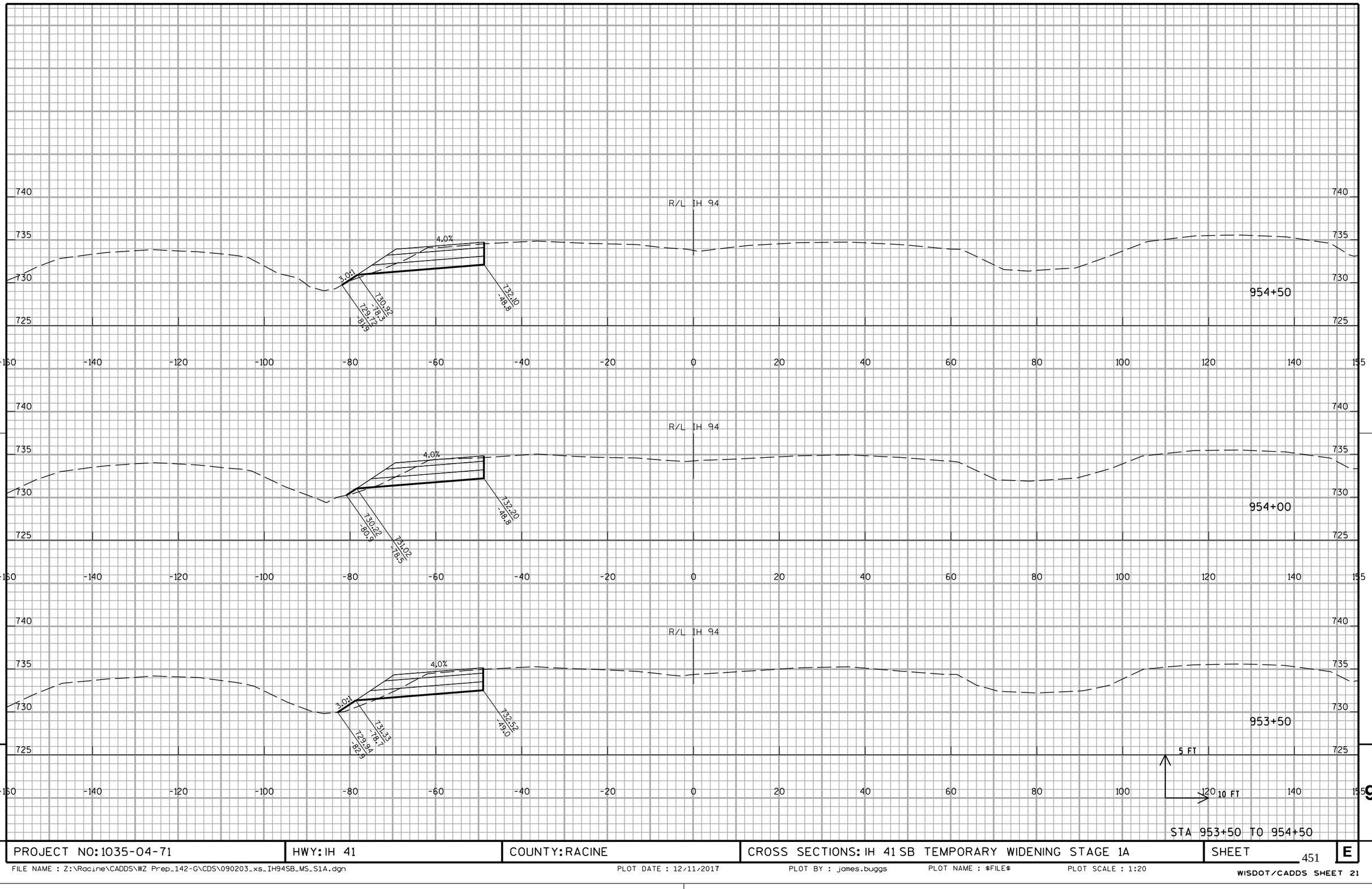
STA 950+00 TO 951+50

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	CROSS SECTIONS: IH 41 SB TEMPORARY WIDENING STAGE 1A	SHEET 449	E



STA 952+00 TO 953+00

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	CROSS SECTIONS: IH 41 SB TEMPORARY WIDENING STAGE 1A	SHEET 450	E

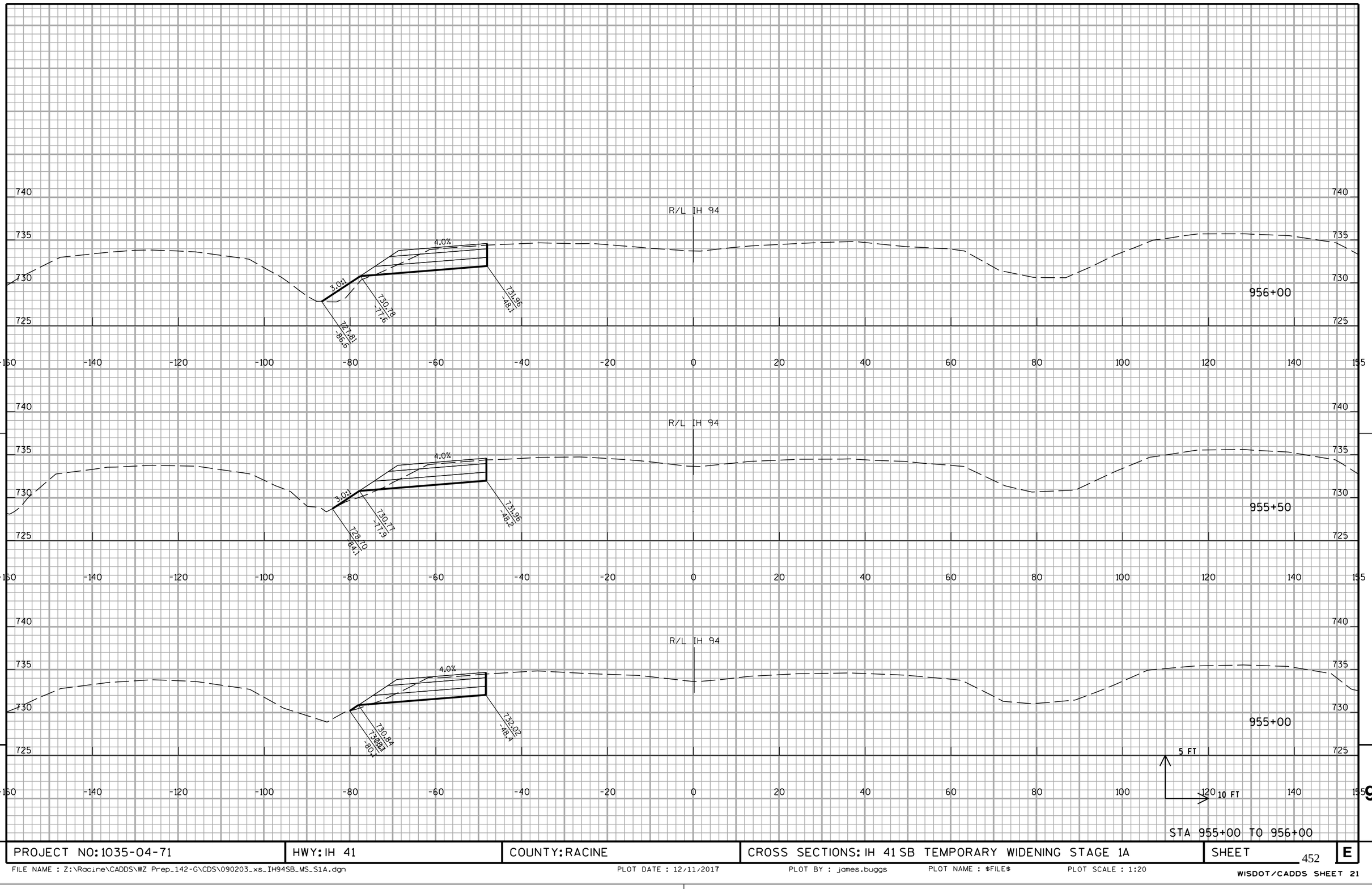


STA 953+50 TO 954+50

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	CROSS SECTIONS: IH 41 SB TEMPORARY WIDENING STAGE 1A	SHEET 451	E

FILE NAME : Z:\Racine\CADDS\WZ Prep_142-G\CDS\090203_xs_IH94SB_MS_S1A.dgn PLOT DATE : 12/11/2017 PLOT BY : james.buggs PLOT NAME : $FILE$ PLOT SCALE : 1:20

WISDOT/CADDS SHEET 21

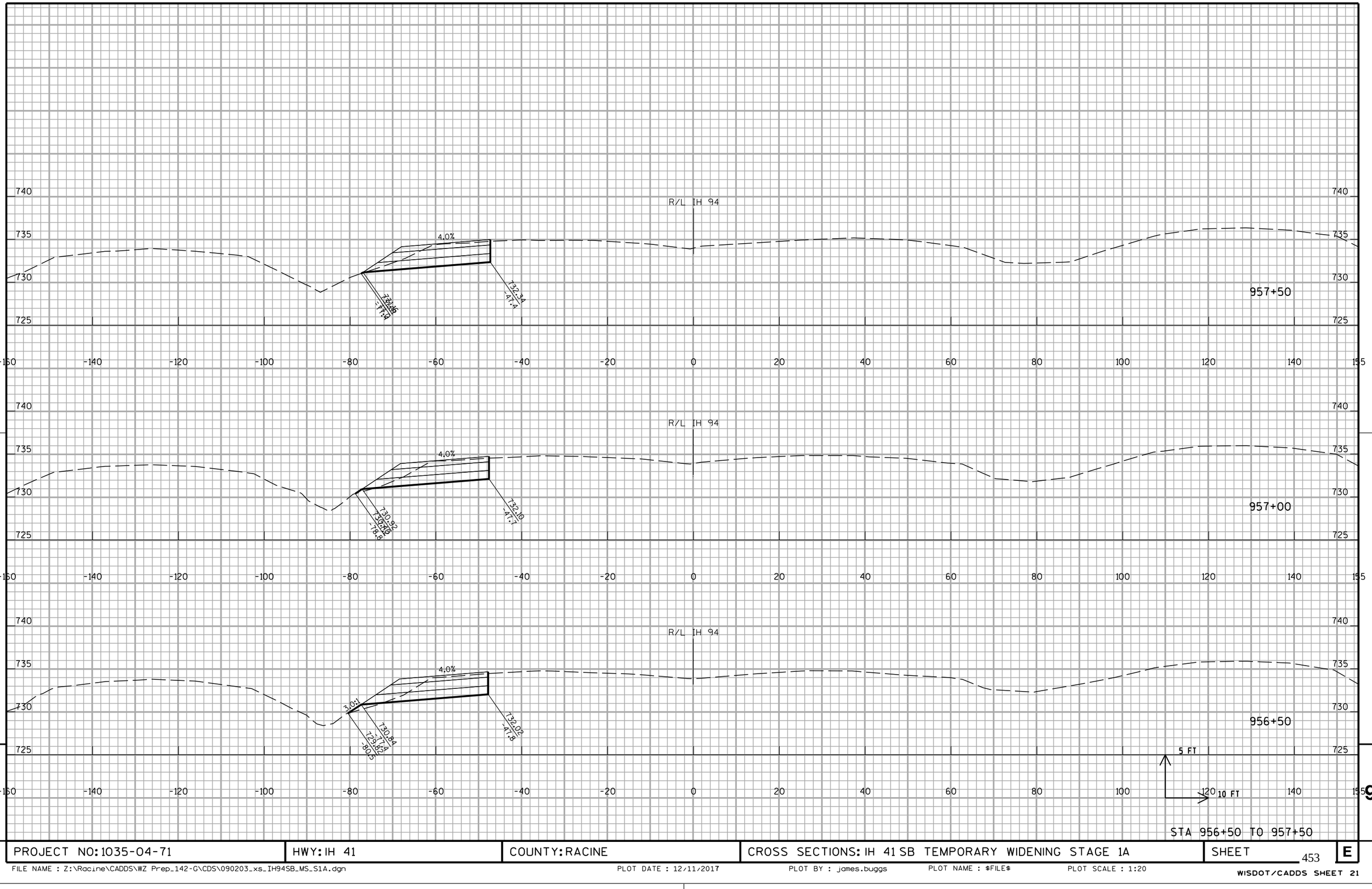


STA 955+00 TO 956+00

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	CROSS SECTIONS: IH 41 SB TEMPORARY WIDENING STAGE 1A	SHEET 452	E

FILE NAME : Z:\Racine\CADDS\WZ Prep_142-G\CDS\090203_xs_IH94SB_MS_S1A.dgn PLOT DATE : 12/11/2017 PLOT BY : james.buggs PLOT NAME : $FILE$ PLOT SCALE : 1:20

WISDOT/CADDS SHEET 21

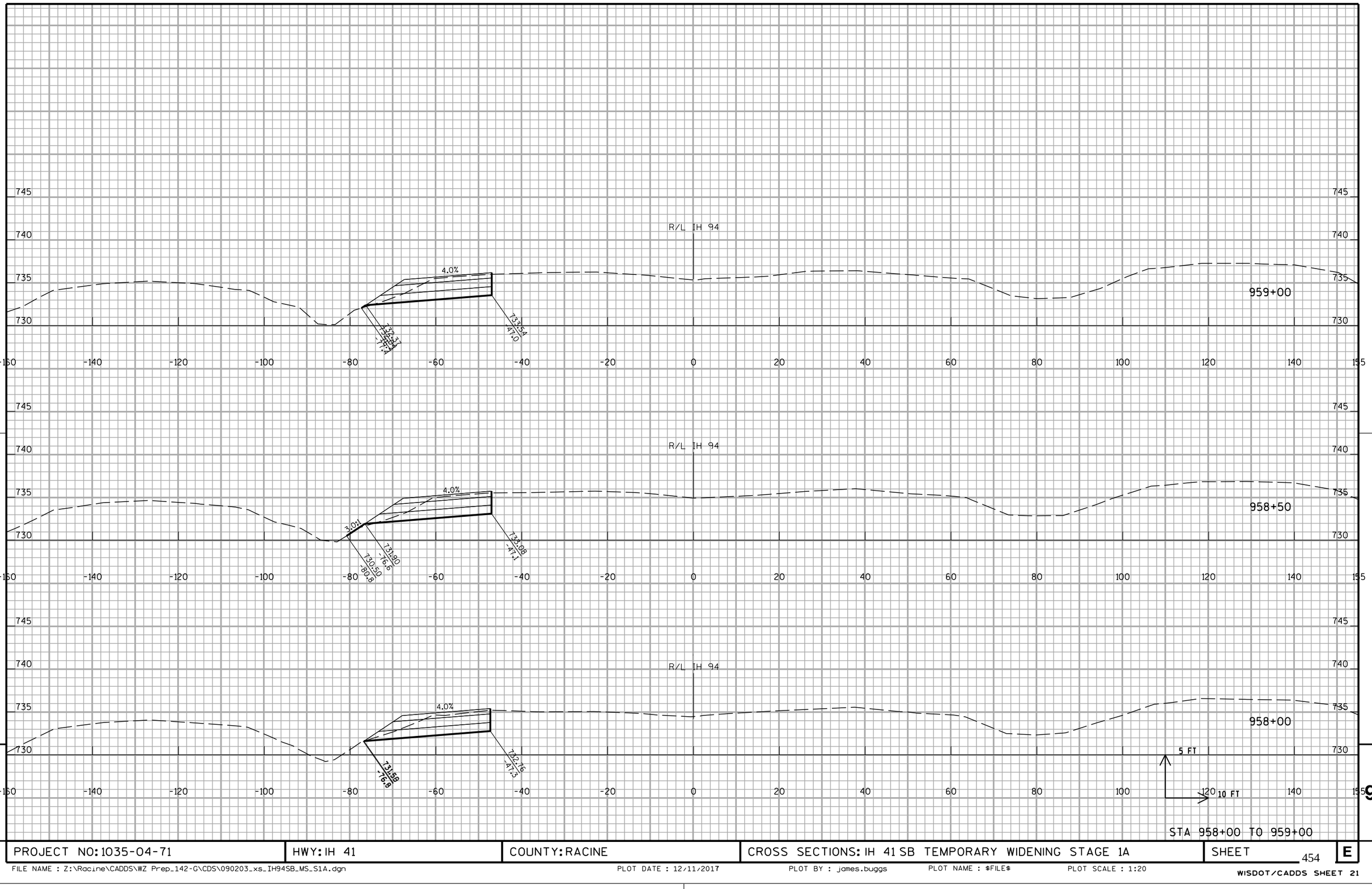


STA 956+50 TO 957+50

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	CROSS SECTIONS: IH 41 SB TEMPORARY WIDENING STAGE 1A	SHEET 453	E

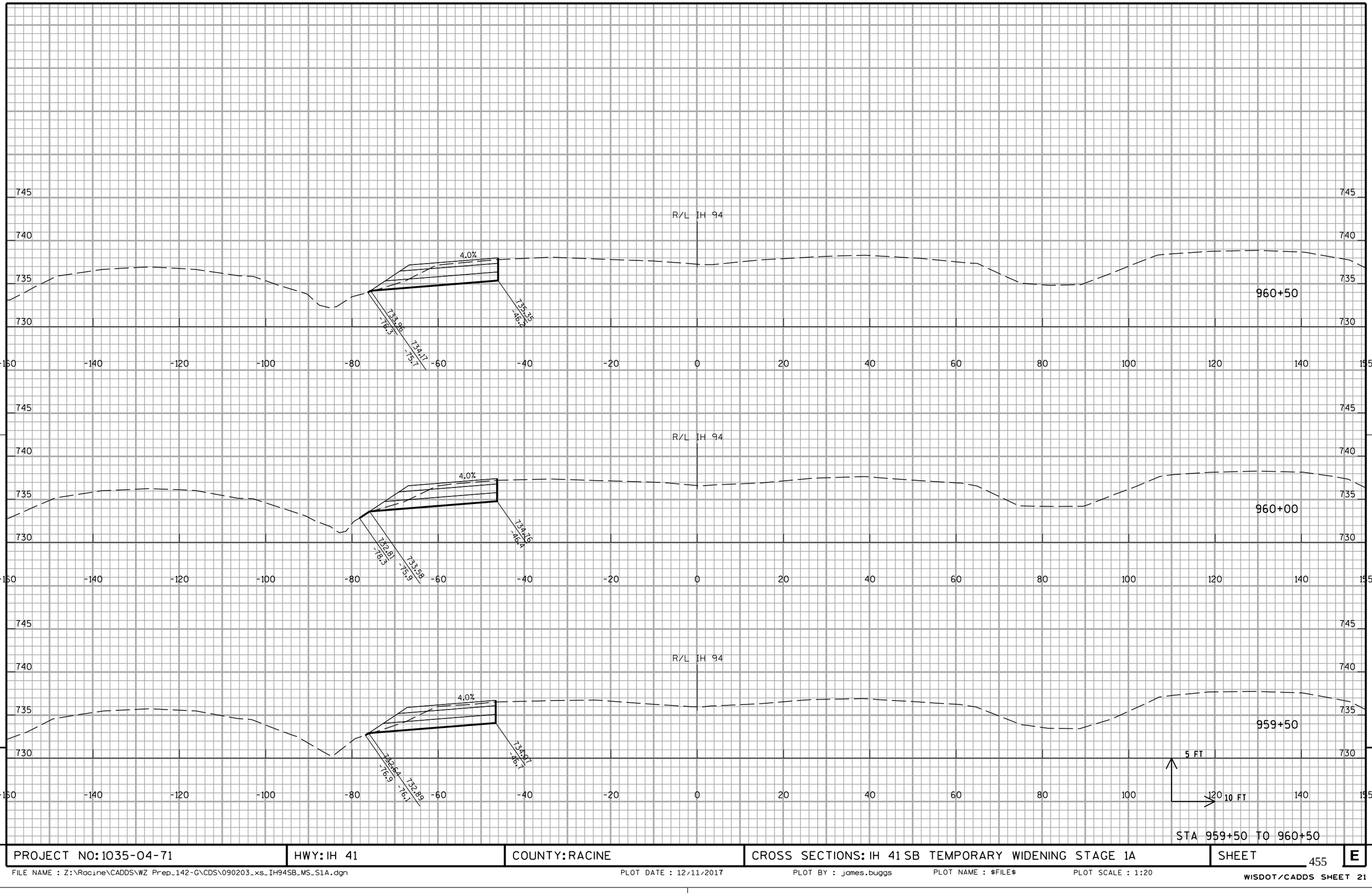
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WISDOT/CADDS SHEET 21



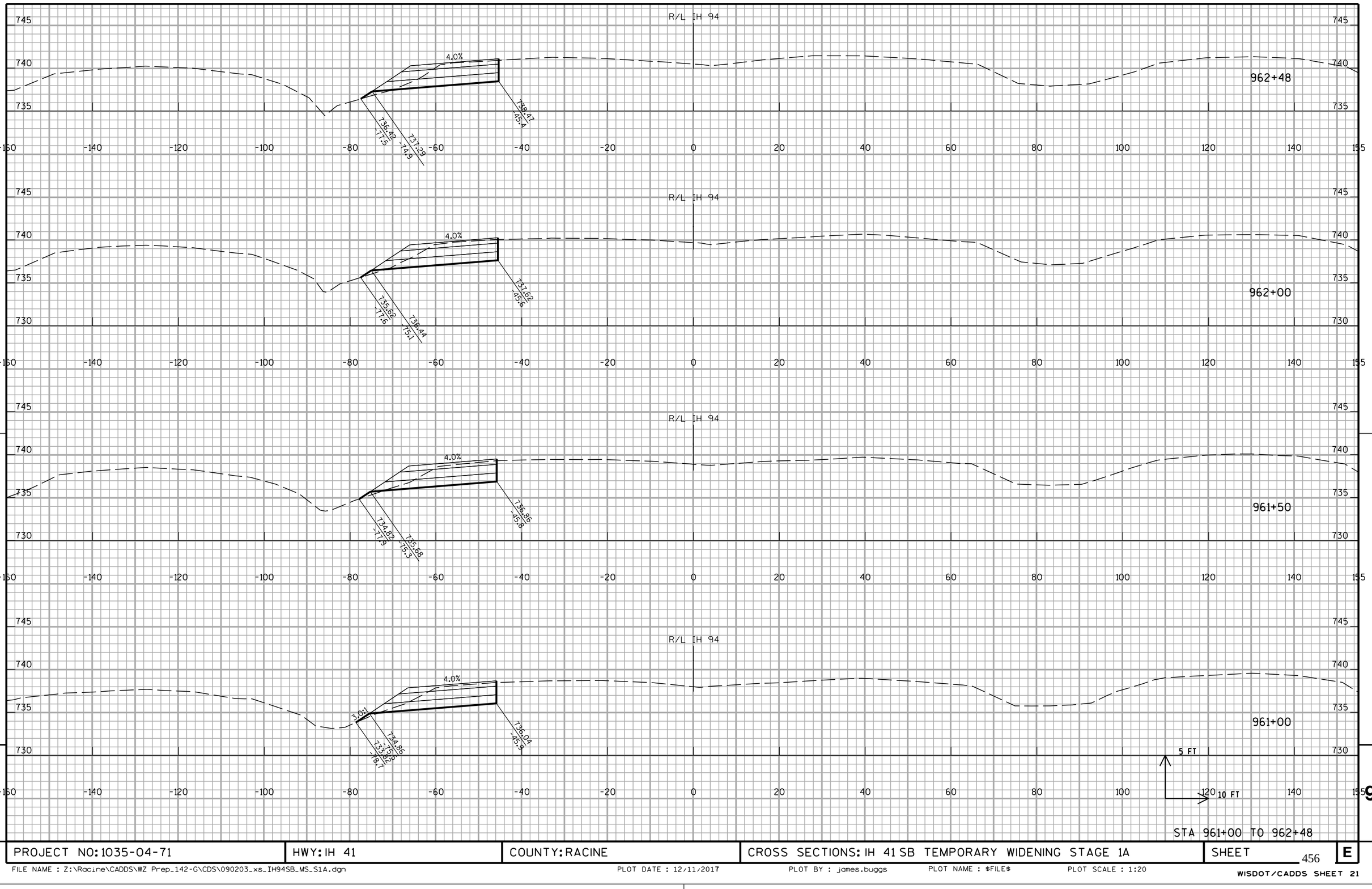
STA 958+00 TO 959+00

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	CROSS SECTIONS: IH 41 SB TEMPORARY WIDENING STAGE 1A	SHEET 454	E



STA 959+50 TO 960+50

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	CROSS SECTIONS: IH 41 SB TEMPORARY WIDENING STAGE 1A	SHEET 455	E



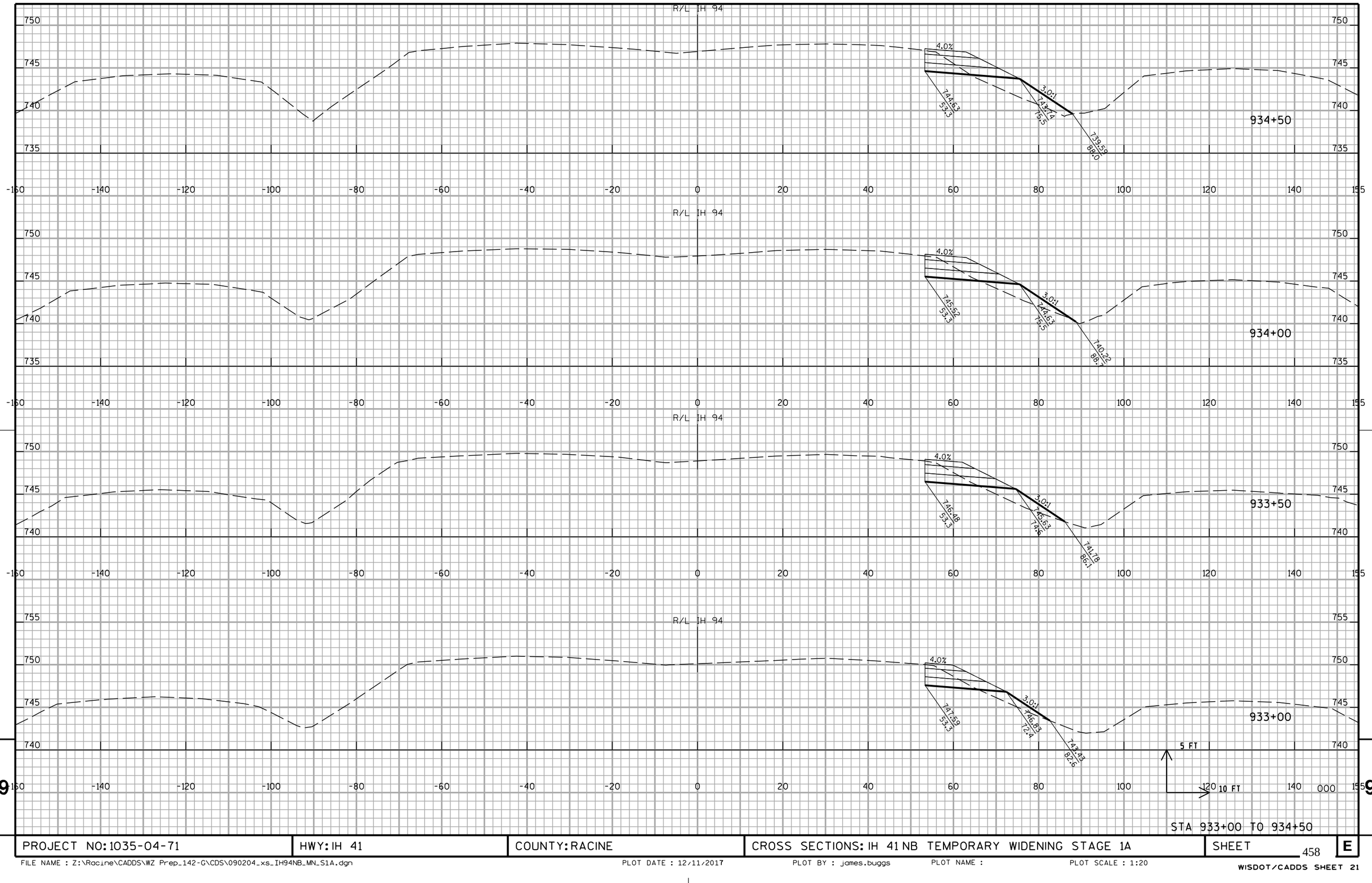
STA 961+00 TO 962+48

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	CROSS SECTIONS: IH 41 SB TEMPORARY WIDENING STAGE 1A	SHEET 456	E

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	CROSS SECTIONS: IH 41 NB TEMPORARY WIDENING STAGE 1A	SHEET 457	E

FILE NAME : Z:\Racine\CADDS\WZ Prep_142-G\CDS\090204_xs_IH94NB_MN_S1A.dgn PLOT DATE : 12/11/2017 PLOT BY : james.buggs PLOT NAME : PLOT SCALE : 1:20

WISDOT/CADDS SHEET 21



STA 933+00 TO 934+50

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	CROSS SECTIONS: IH 41 NB TEMPORARY WIDENING STAGE 1A	SHEET 458	E

FILE NAME : Z:\Racine\CADDS\WZ Prep_142-G\CDS\090204_xs_IH94NB_MN_S1A.dgn PLOT DATE : 12/11/2017 PLOT BY : james.buggs PLOT NAME : PLOT SCALE : 1:20

WISDOT/CADDS SHEET 21

9

STA 935+00 TO 936+00

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	CROSS SECTIONS: IH 41 NB TEMPORARY WIDENING STAGE 1A	SHEET 459	E

FILE NAME : Z:\Racine\CADDS\WZ Prep_142-G\CDS\090204_xs_IH94NB_MN_S1A.dgn PLOT DATE : 12/11/2017 PLOT BY : james.buggs PLOT NAME : PLOT SCALE : 1:20

WISDOT/CADDS SHEET 21

R/L IH 94

938+00

4.0%

140.32
55.4

139.42
76.7

138.74
77.1

937+50

4.0%

140.87
55.3

139.97
76.6

139.32
77.6

R/L IH 94

937+00

4.0%

141.41
55.3

140.52
75.6

139.67
78.1

R/L IH 94

936+50

4.0%

3.0:1

141.91
55.3

141.02
75.5

139.62
79.7

5 FT

10 FT

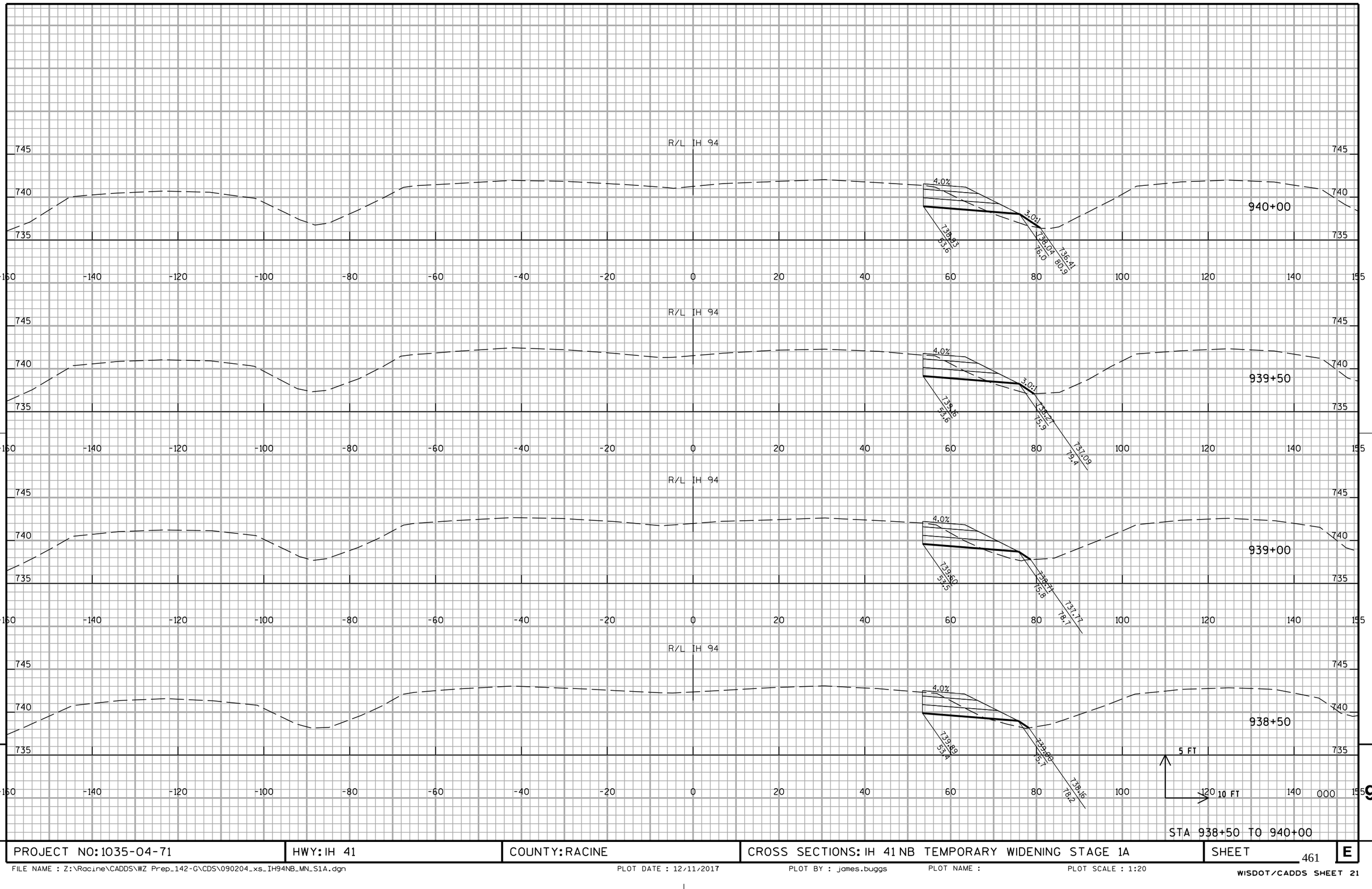
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STA 936+50 TO 938+00

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	CROSS SECTIONS: IH 41 NB TEMPORARY WIDENING STAGE 1A	SHEET 460	E

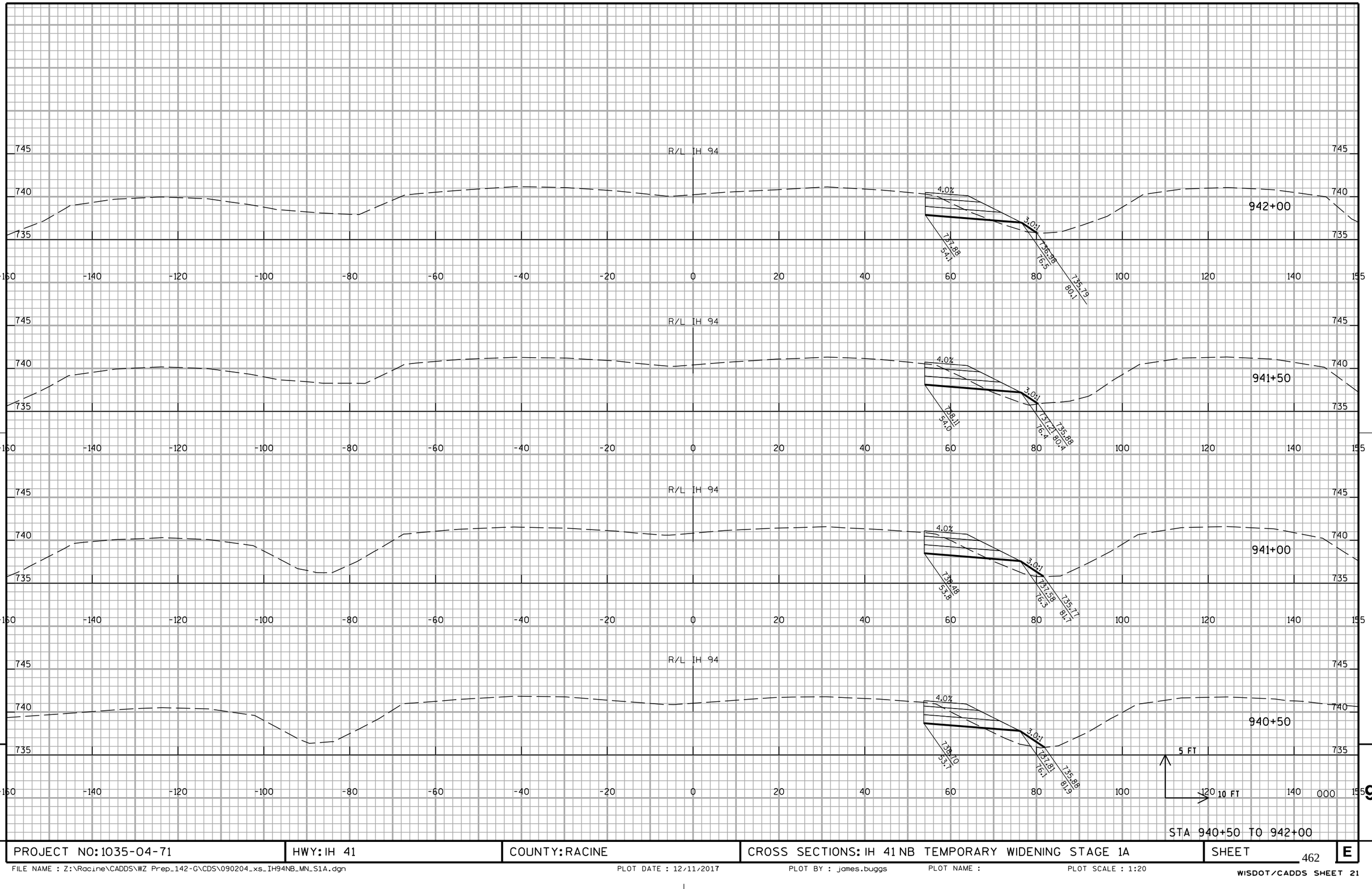
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WISDOT/CADDS SHEET 21



STA 938+50 TO 940+00

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	CROSS SECTIONS: IH 41 NB TEMPORARY WIDENING STAGE 1A	SHEET 461	E



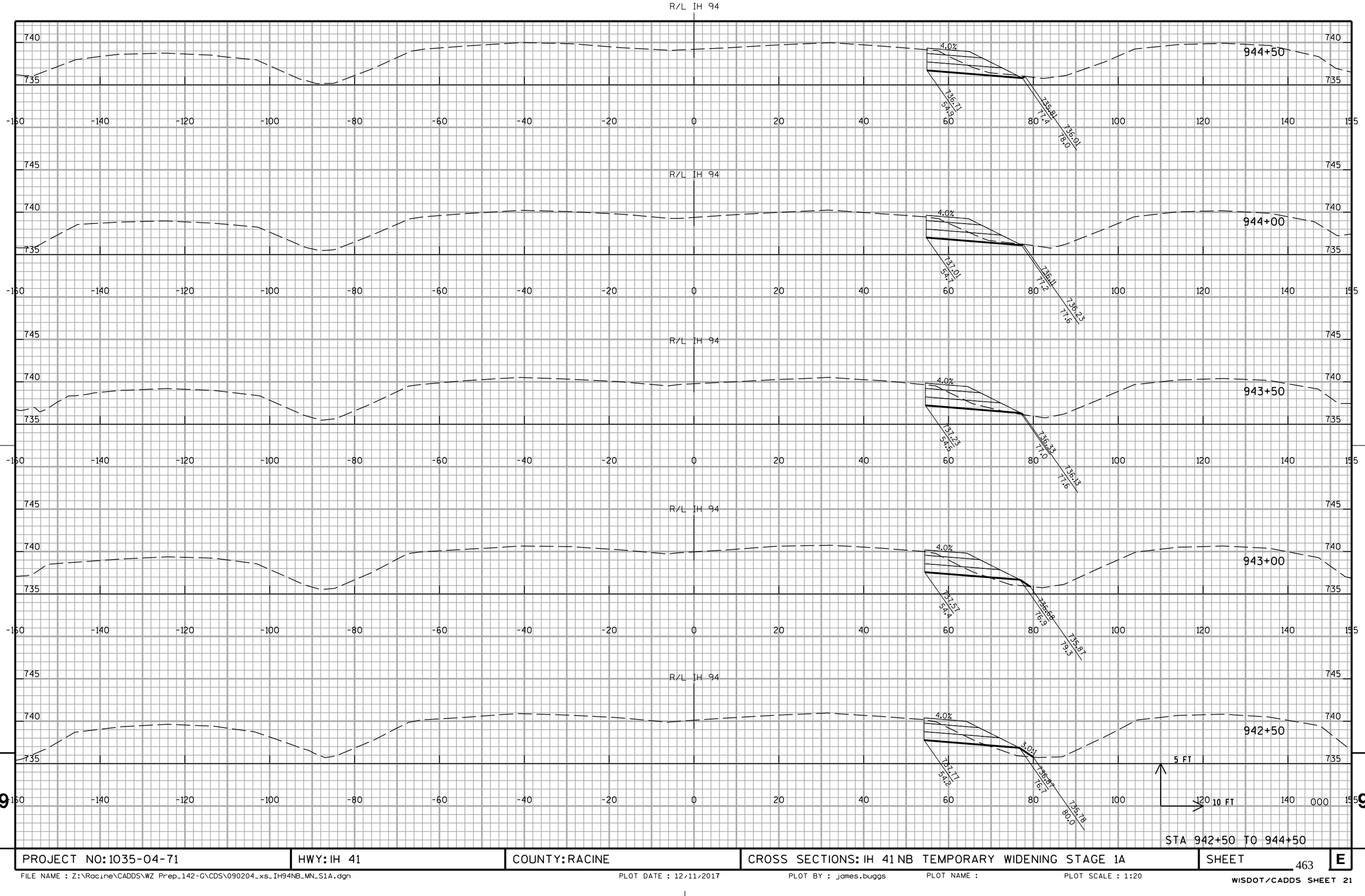
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STA 940+50 TO 942+00

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	CROSS SECTIONS: IH 41 NB TEMPORARY WIDENING STAGE 1A	SHEET 462	E

FILE NAME : Z:\Racine\CADDS\WZ Prep_142-G\CDS\090204_xs_IH94NB_MN_S1A.dgn PLOT DATE : 12/11/2017 PLOT BY : james.buggs PLOT NAME : PLOT SCALE : 1:20

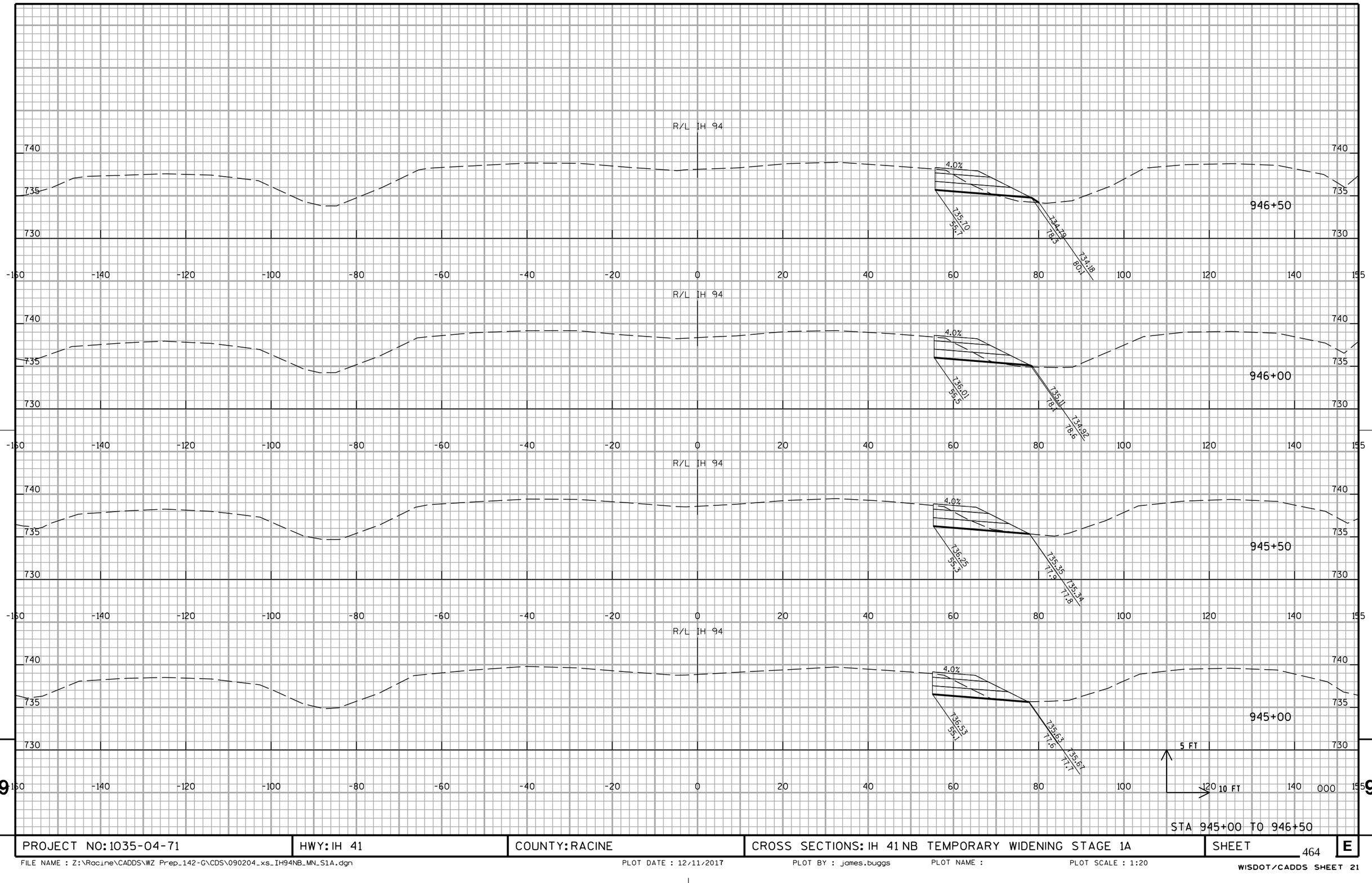
WISDOT/CADDS SHEET 21



PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	CROSS SECTIONS: IH 41 NB TEMPORARY WIDENING STAGE 1A	SHEET 463 E

FILE NAME : Z:\Racine\CADDS\WZ Prep_142-G\CDS\090204_xs_IH94NB_MN_S1A.dgn PLOT DATE : 12/11/2017 PLOT BY : james.buggs PLOT NAME : PLOT SCALE : 1:20

WISDOT/CADDS SHEET 21

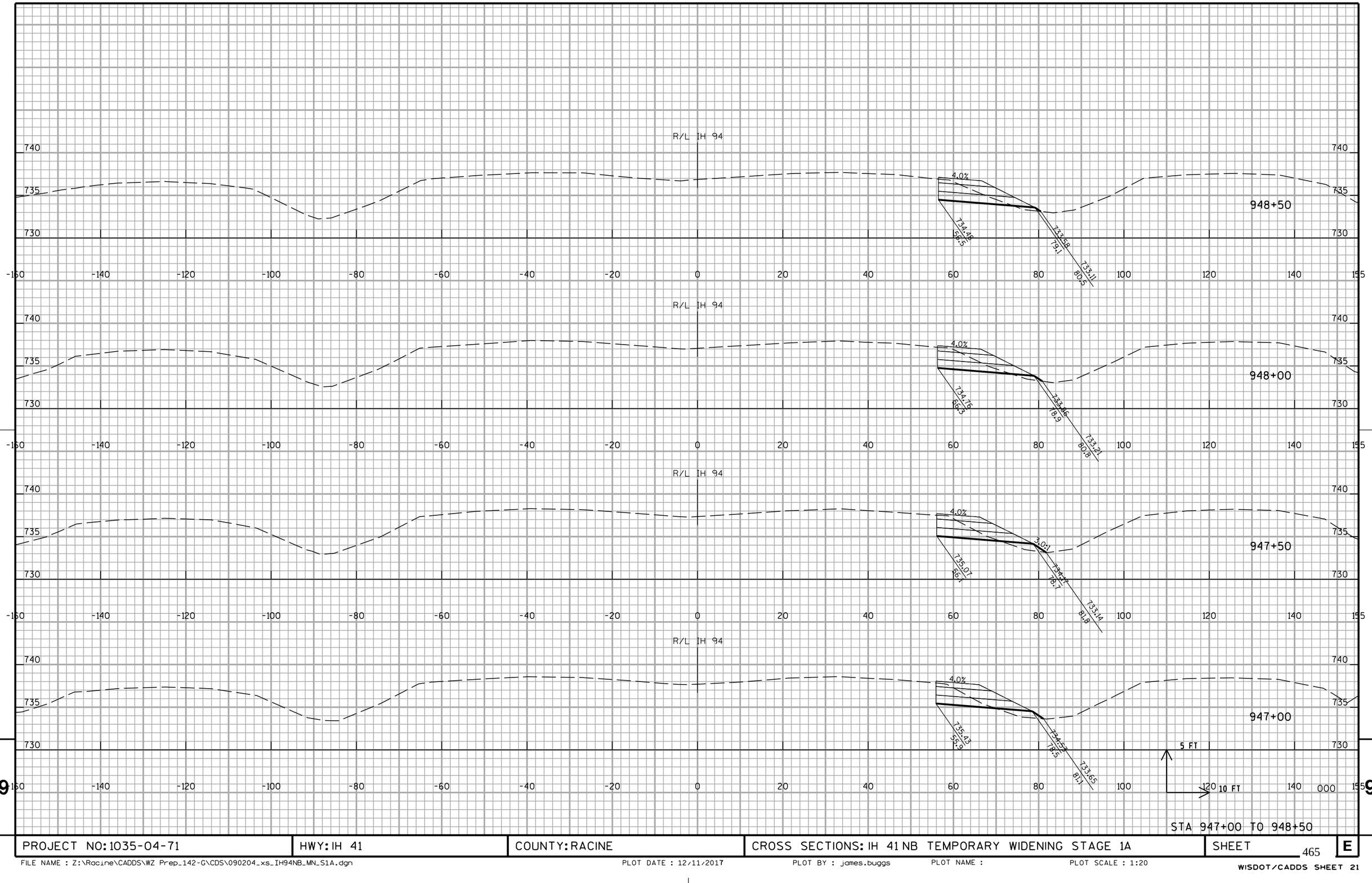


STA 945+00 TO 946+50

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	CROSS SECTIONS: IH 41 NB TEMPORARY WIDENING STAGE 1A	SHEET 464	E

FILE NAME : Z:\Racine\CADDS\WZ Prep_142-G\CDS\090204_xs_IH94NB_MN_S1A.dgn PLOT DATE : 12/11/2017 PLOT BY : james.buggs PLOT NAME : PLOT SCALE : 1:20

WISDOT/CADDS SHEET 21

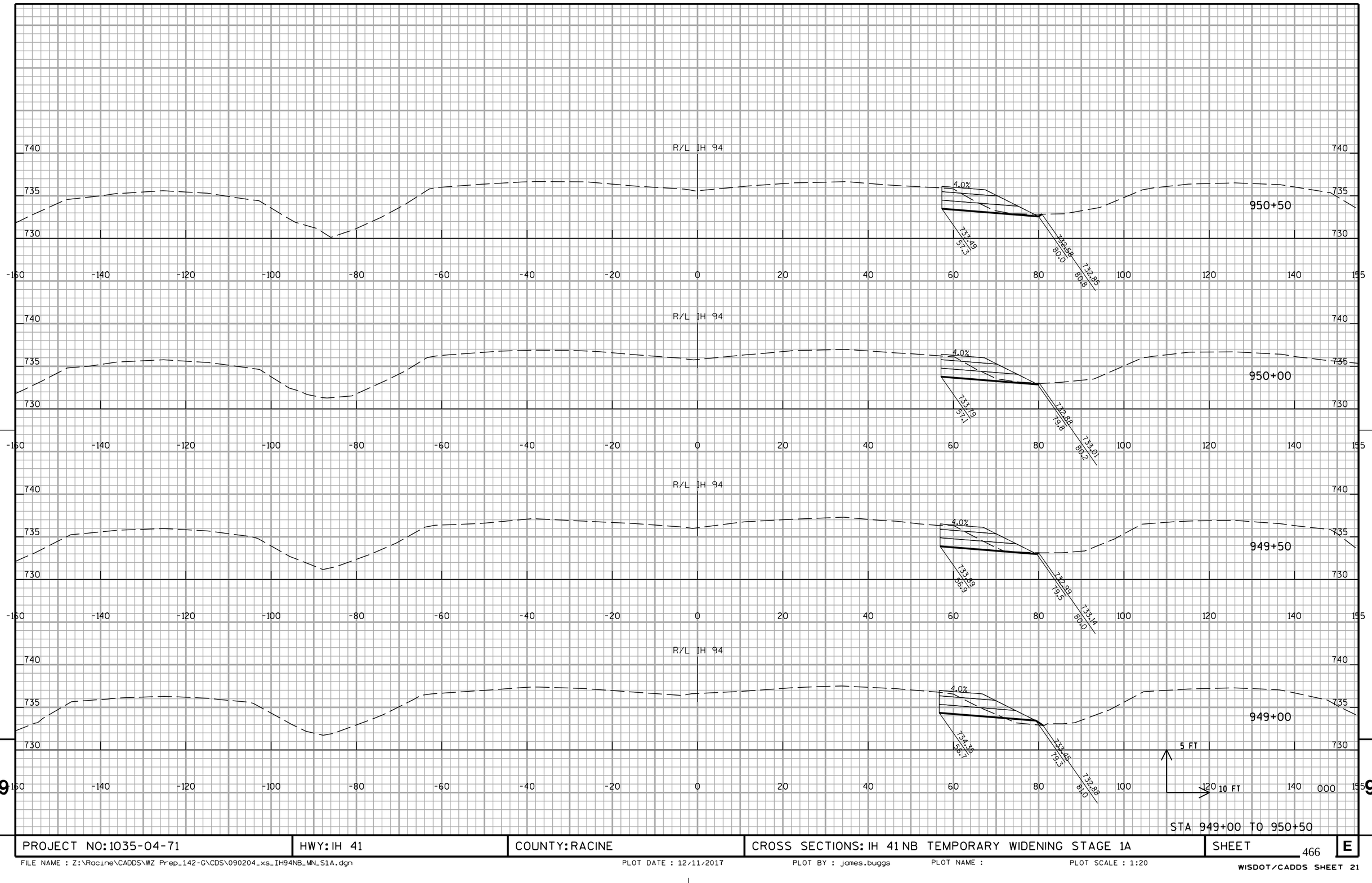


STA 947+00 TO 948+50

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	CROSS SECTIONS: IH 41 NB TEMPORARY WIDENING STAGE 1A	SHEET 465	E

FILE NAME : Z:\Racine\CADDS\WZ Prep_142-G\CDS\090204_xs_IH94NB_MN_S1A.dgn PLOT DATE : 12/11/2017 PLOT BY : james.buggs PLOT NAME : PLOT SCALE : 1:20

WISDOT/CADDS SHEET 21

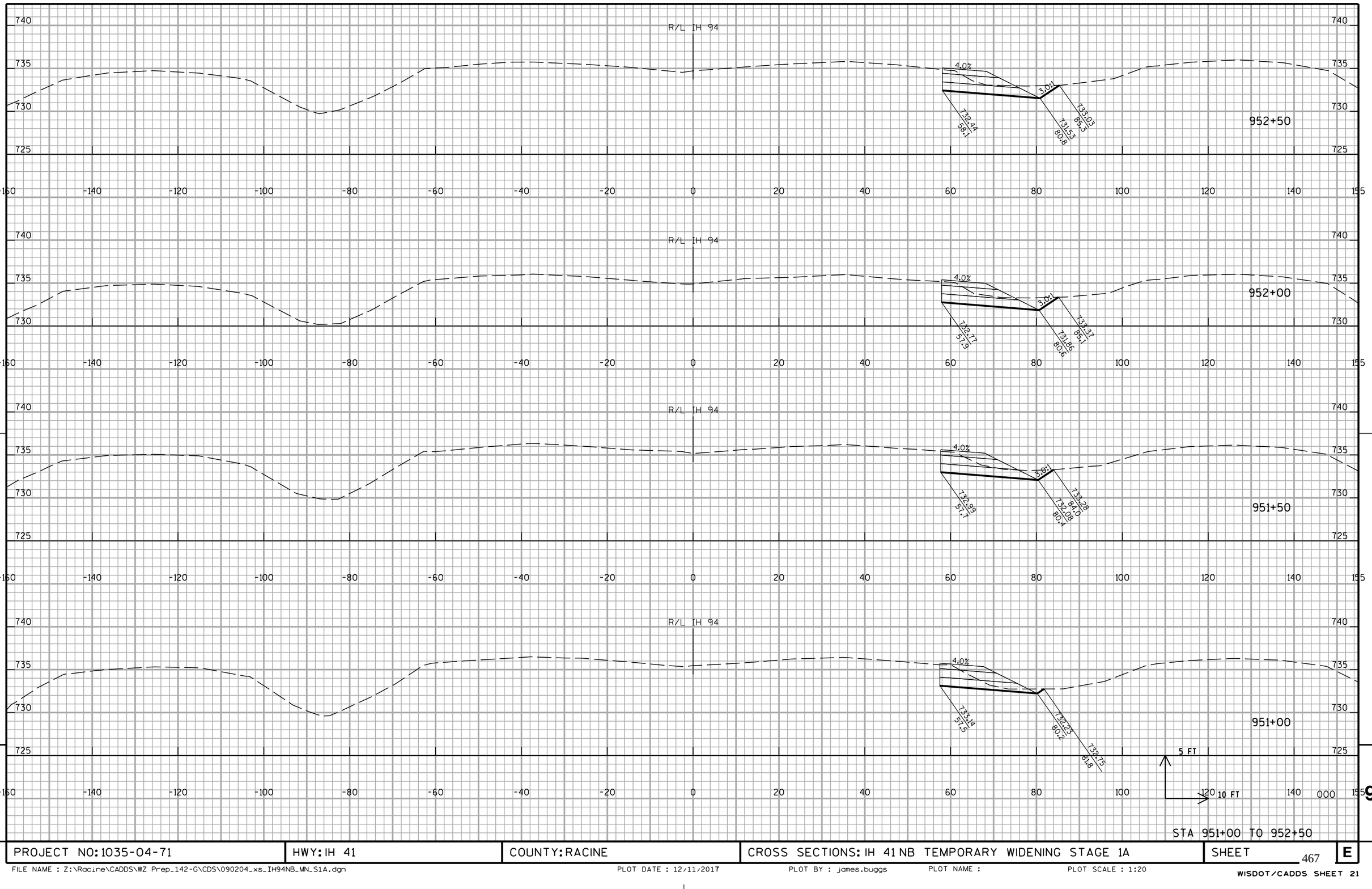


STA 949+00 TO 950+50

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	CROSS SECTIONS: IH 41 NB TEMPORARY WIDENING STAGE 1A	SHEET 466 E

FILE NAME : Z:\Racine\CADDS\WZ Prep_142-G\CDS\090204_xs_IH94NB_MN_S1A.dgn PLOT DATE : 12/11/2017 PLOT BY : james.buggs PLOT NAME : PLOT SCALE : 1:20

WISDOT/CADDS SHEET 21



STA 951+00 TO 952+50

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	CROSS SECTIONS: IH 41 NB TEMPORARY WIDENING STAGE 1A	SHEET 467	E

FILE NAME : Z:\Racine\CADDS\WZ Prep_142-G\CDS\090204_xs_IH94NB_MN_S1A.dgn PLOT DATE : 12/11/2017 PLOT BY : james.buggs PLOT NAME : PLOT SCALE : 1:20

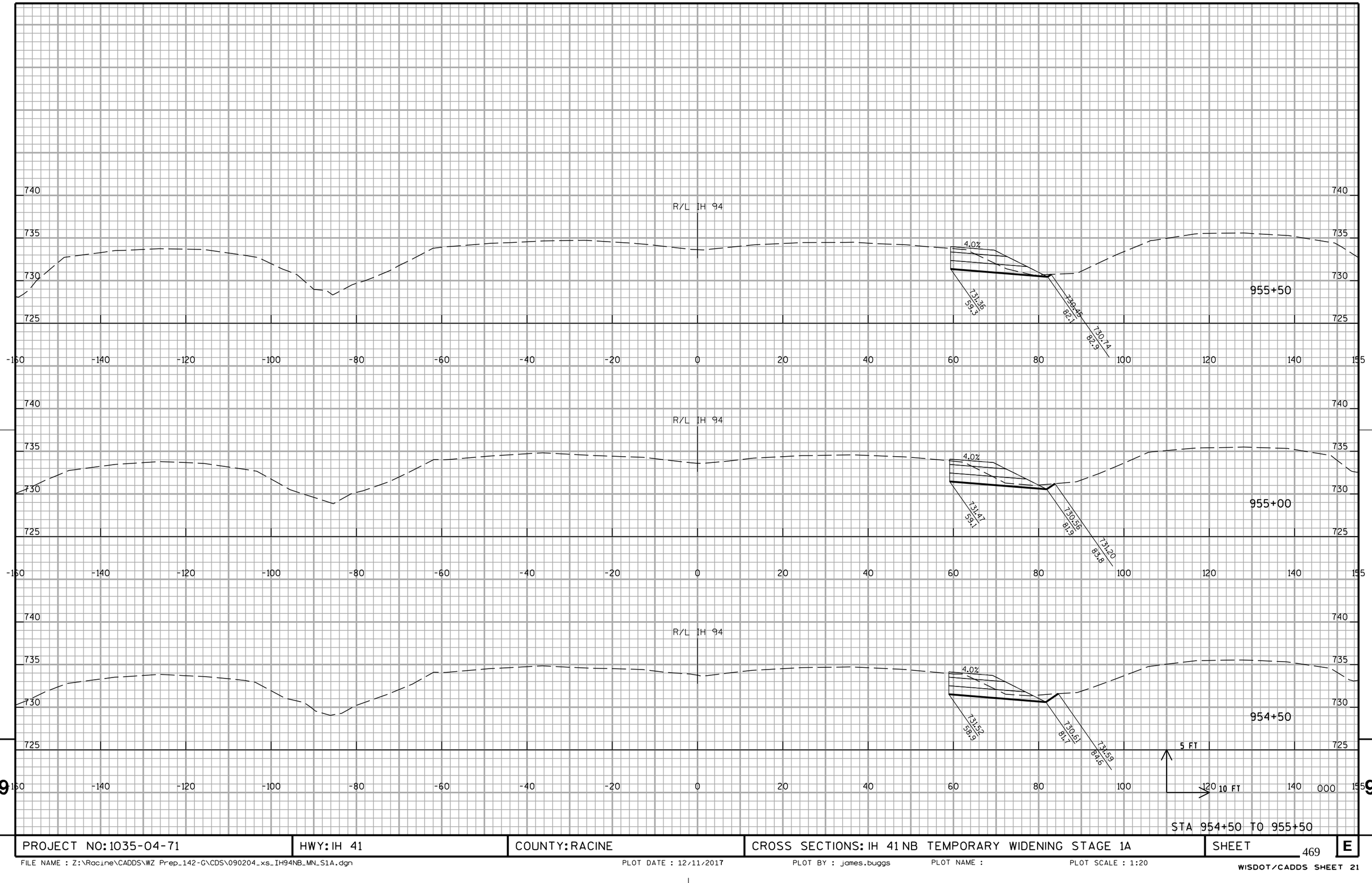
WISDOT/CADDS SHEET 21

STA 953+00 TO 954+00

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	CROSS SECTIONS: IH 41 NB TEMPORARY WIDENING STAGE 1A	SHEET 468	E

FILE NAME : Z:\Racine\CADDS\WZ Prep_142-G\CDS\090204_xs_IH94NB_MN_S1A.dgn PLOT DATE : 12/11/2017 PLOT BY : james.buggs PLOT NAME : PLOT SCALE : 1:20

WISDOT/CADDS SHEET 21



STA 954+50 TO 955+50

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	CROSS SECTIONS: IH 41 NB TEMPORARY WIDENING STAGE 1A	SHEET 469	E

FILE NAME : Z:\Racine\CADDS\WZ Prep_142-G\CDS\090204_xs_IH94NB_MN_S1A.dgn PLOT DATE : 12/11/2017 PLOT BY : james.buggs PLOT NAME : PLOT SCALE : 1:20

WISDOT/CADDS SHEET 21

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	CROSS SECTIONS: IH 41 NB TEMPORARY WIDENING STAGE 1A	SHEET 470	E

FILE NAME : Z:\Racine\CADDS\WZ Prep_142-G\CDS\090204_xs_IH94NB_MN_S1A.dgn | PLOT DATE : 12/11/2017 | PLOT BY : james.buggs | PLOT NAME : | PLOT SCALE : 1:20

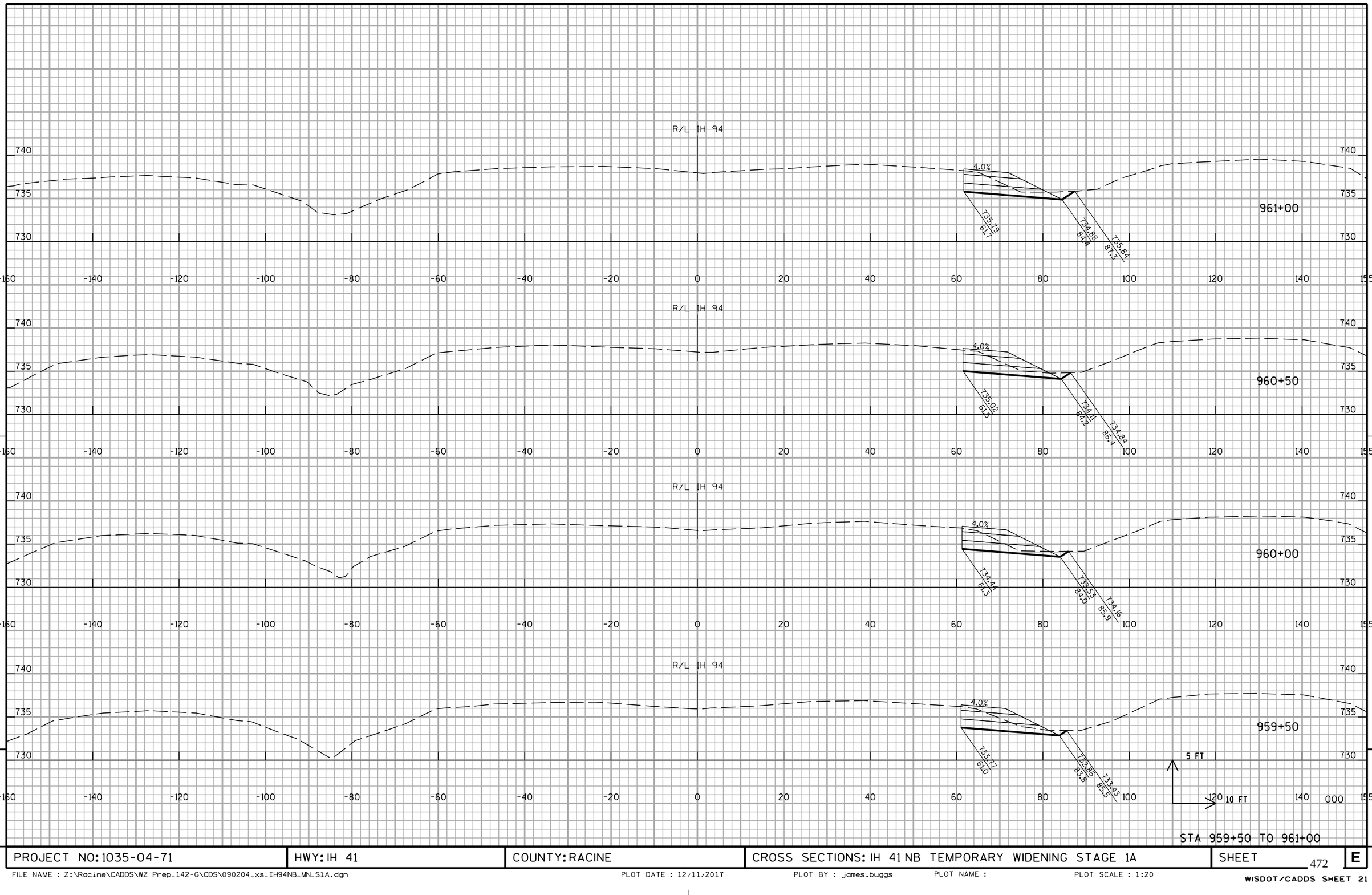
WISDOT/CADDS SHEET 21

STA 957+50 TO 959+00

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	CROSS SECTIONS: IH 41 NB TEMPORARY WIDENING STAGE 1A	SHEET 471	E

FILE NAME : Z:\Racine\CADDS\WZ Prep_142-G\CDS\090204_xs_IH94NB_MN_S1A.dgn PLOT DATE : 12/11/2017 PLOT BY : james.buggs PLOT NAME : PLOT SCALE : 1:20

WISDOT/CADDS SHEET 21

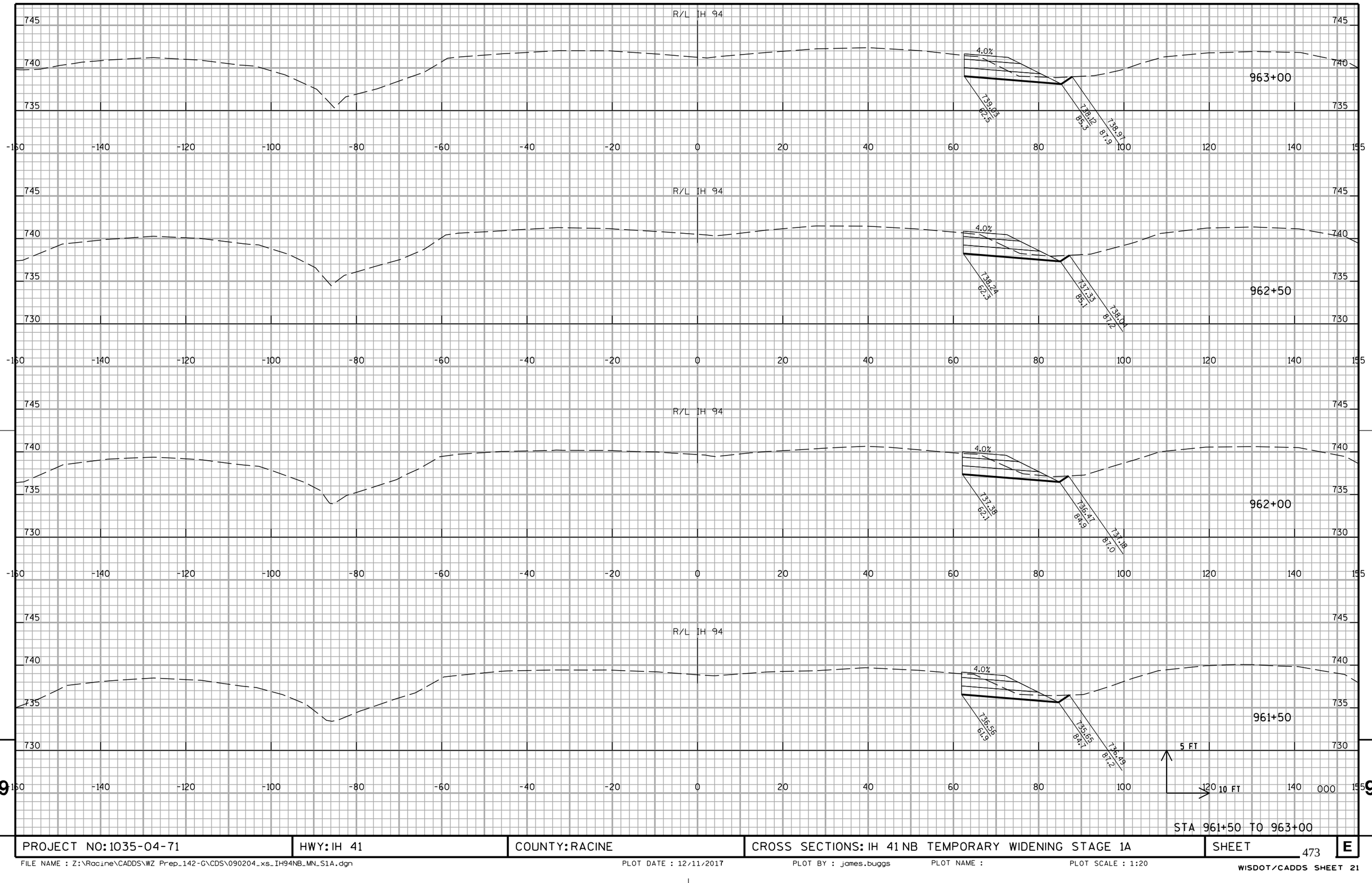


STA 959+50 TO 961+00

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	CROSS SECTIONS: IH 41 NB TEMPORARY WIDENING STAGE 1A	SHEET 472	E

FILE NAME : Z:\Racine\CADDS\WZ Prep_142-G\CDS\090204_xs_IH94NB_MN_S1A.dgn PLOT DATE : 12/11/2017 PLOT BY : james.buggs PLOT NAME : PLOT SCALE : 1:20

WISDOT/CADDS SHEET 21

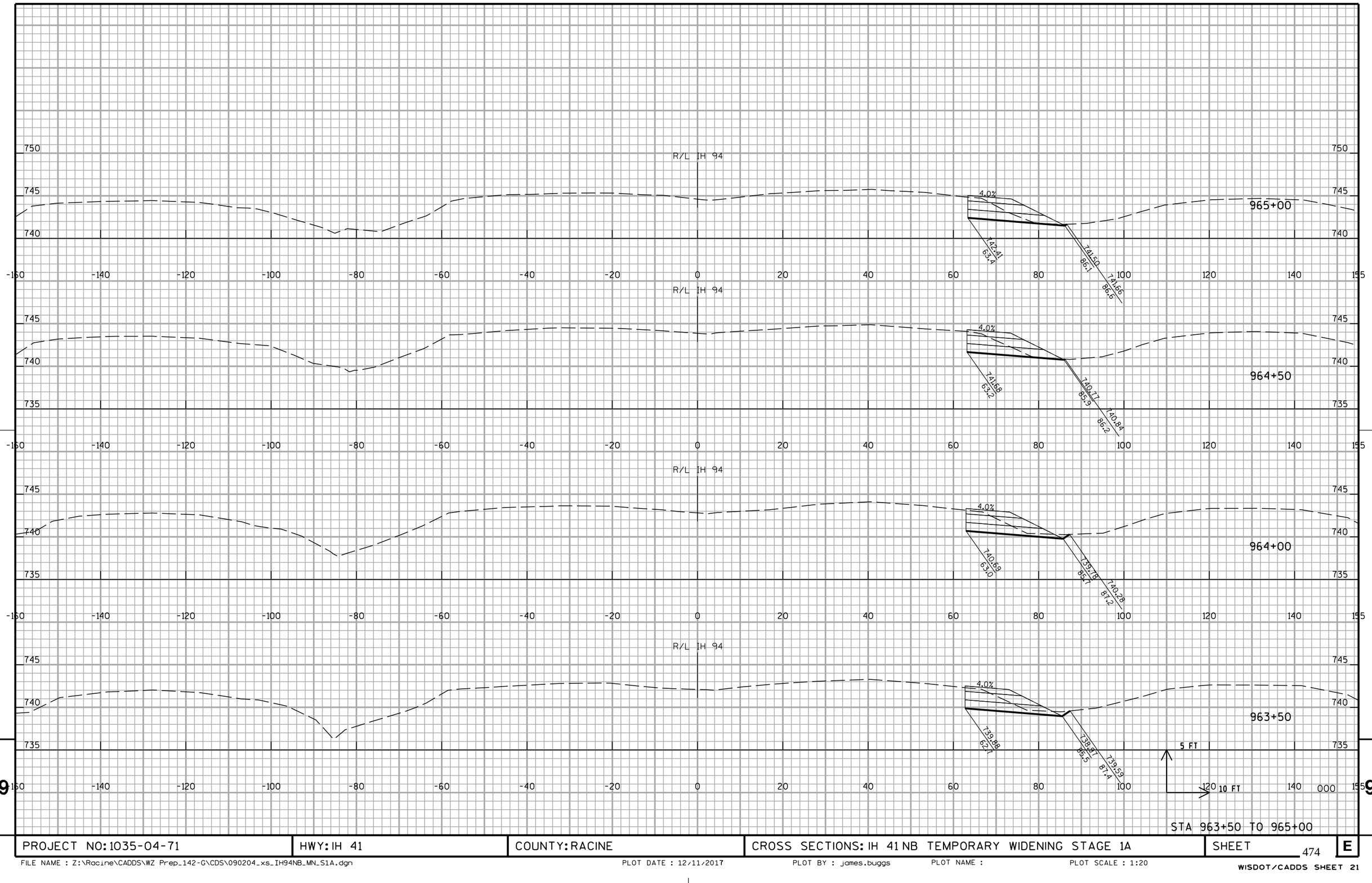


STA 961+50 TO 963+00

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	CROSS SECTIONS: IH 41 NB TEMPORARY WIDENING STAGE 1A	SHEET 473	E

FILE NAME : Z:\Racine\CADDS\WZ Prep_142-G\CDS\090204_xs_IH94NB_MN_S1A.dgn PLOT DATE : 12/11/2017 PLOT BY : james.buggs PLOT NAME : PLOT SCALE : 1:20

WISDOT/CADDS SHEET 21

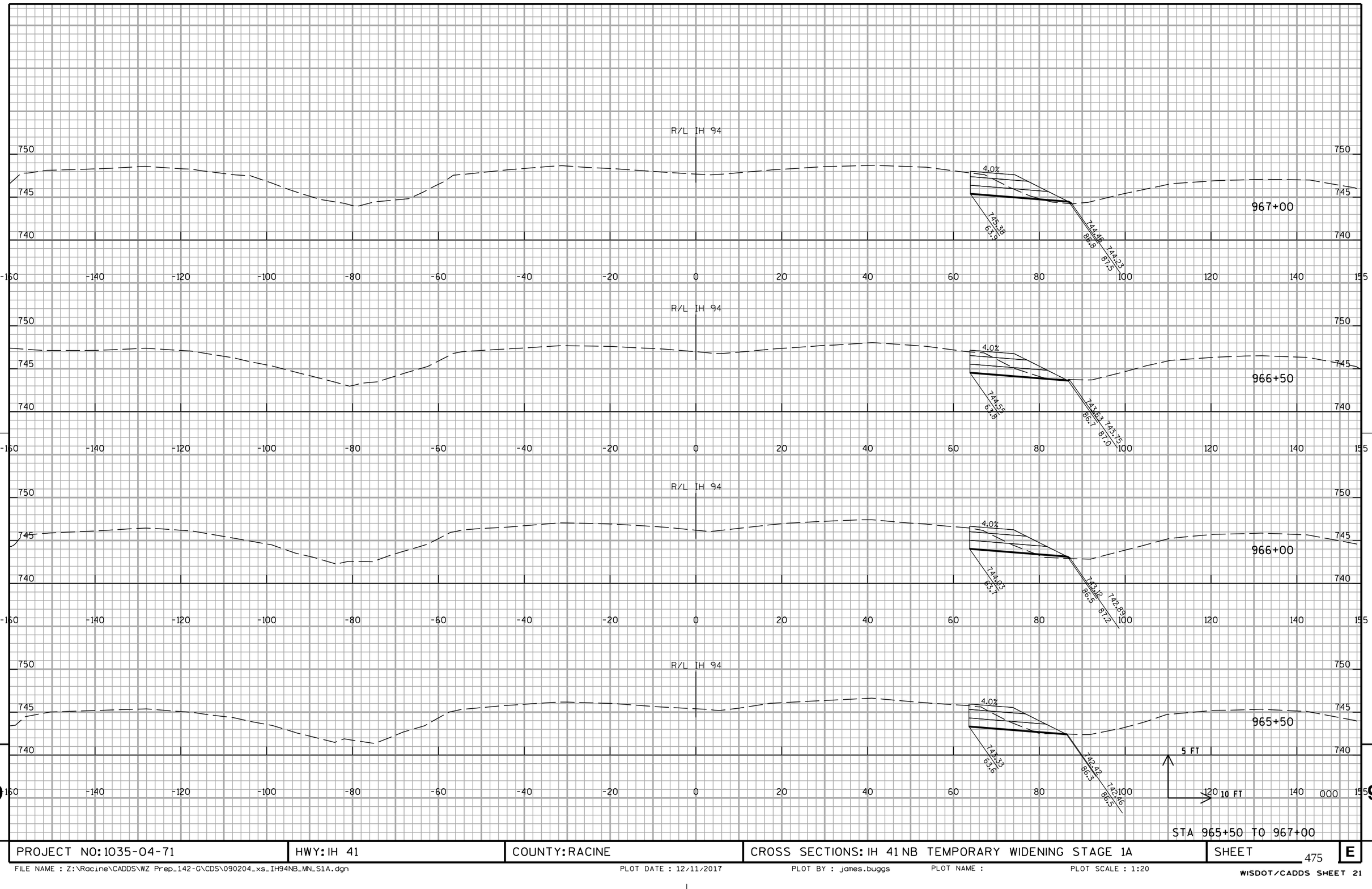


STA 963+50 TO 965+00

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	CROSS SECTIONS: IH 41 NB TEMPORARY WIDENING STAGE 1A	SHEET 474	E

FILE NAME : Z:\Racine\CADDS\WZ Prep_142-G\CDS\090204_xs_IH94NB_MN_S1A.dgn PLOT DATE : 12/11/2017 PLOT BY : james.buggs PLOT NAME : PLOT SCALE : 1:20

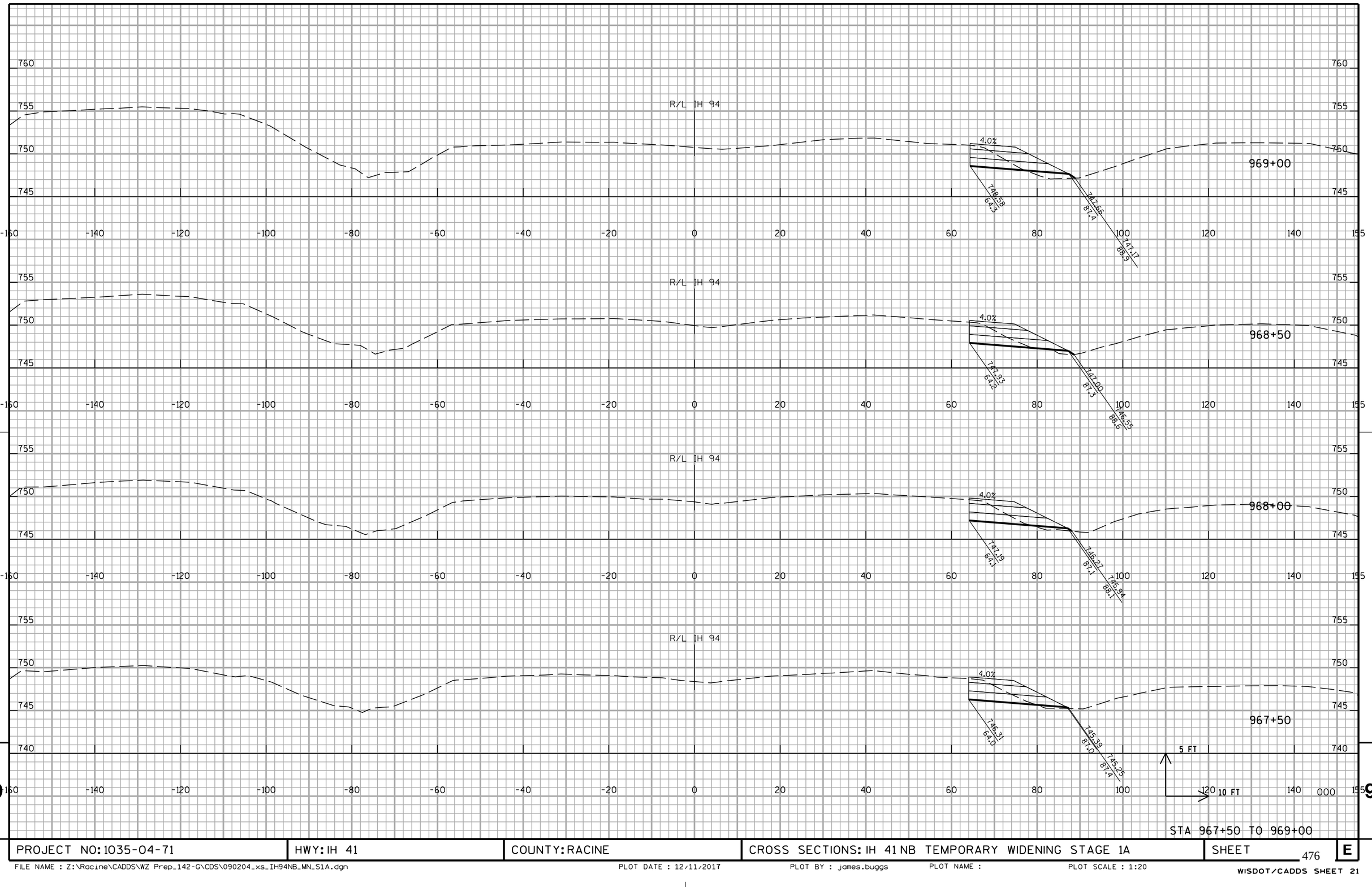
WISDOT/CADDS SHEET 21



STA 965+50 TO 967+00

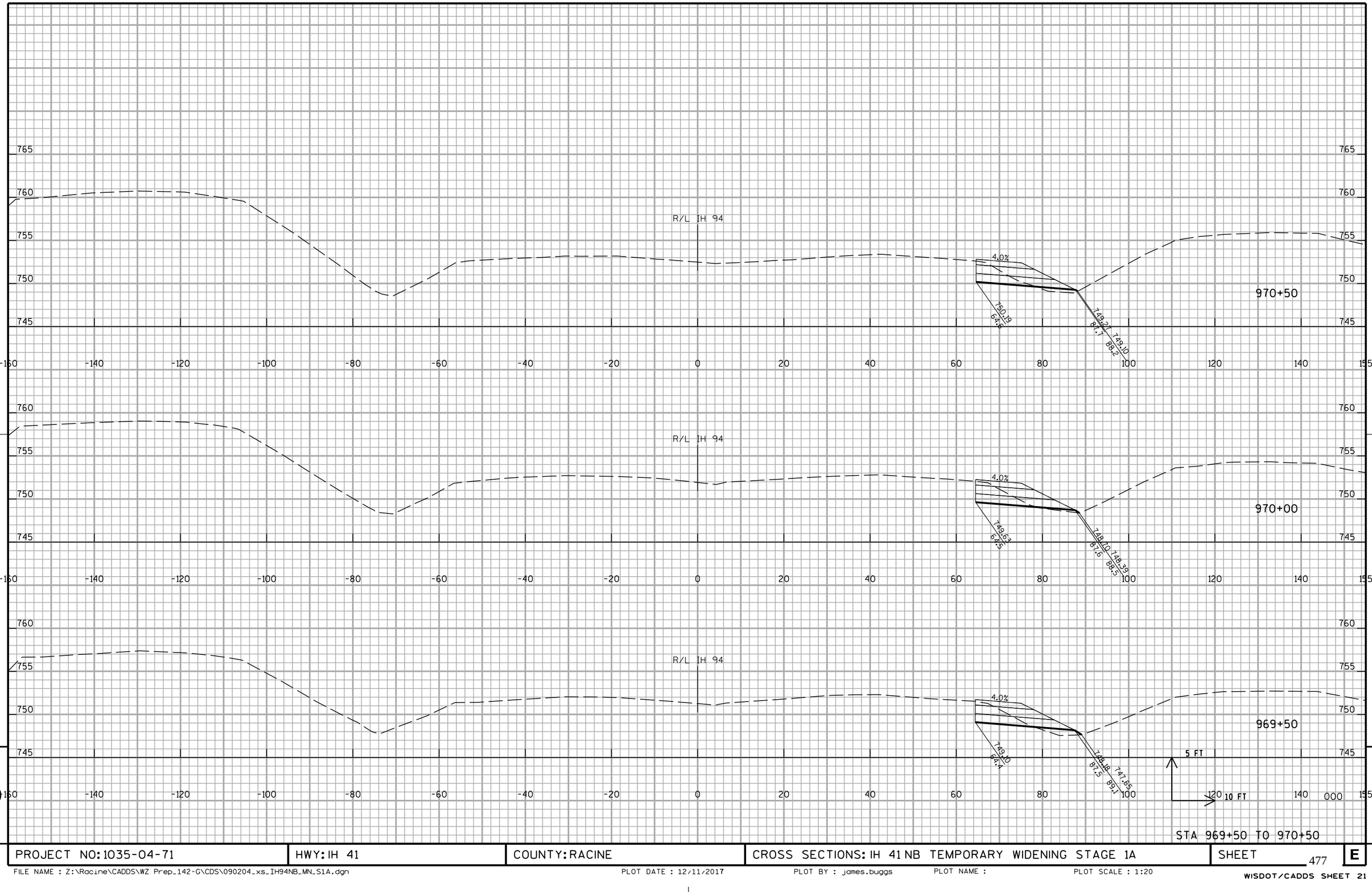
PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	CROSS SECTIONS: IH 41 NB TEMPORARY WIDENING STAGE 1A	SHEET 475	E

FILE NAME : Z:\Racine\CADDS\WZ Prep_142-G\CDS\090204_xs_IH94NB_MN_S1A.dgn PLOT DATE : 12/11/2017 PLOT BY : james.buggs PLOT NAME : PLOT SCALE : 1:20



STA 967+50 TO 969+00

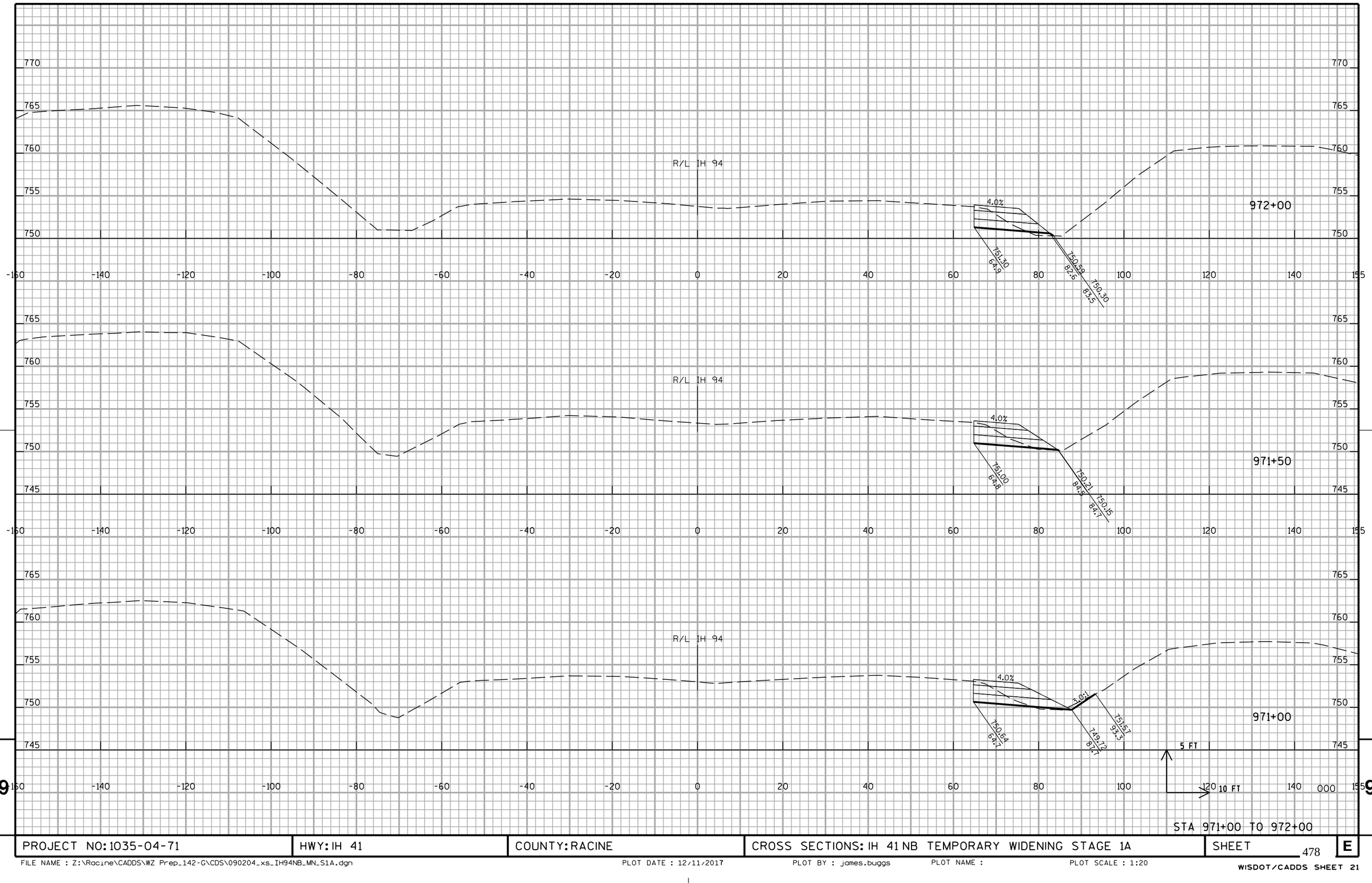
PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	CROSS SECTIONS: IH 41 NB TEMPORARY WIDENING STAGE 1A	SHEET 476	E



PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	CROSS SECTIONS: IH 41 NB TEMPORARY WIDENING STAGE 1A	SHEET 477	E

FILE NAME : Z:\Racine\CADDS\WZ Prep_142-G\CDS\090204_xs_IH94NB_MN_S1A.dgn PLOT DATE : 12/11/2017 PLOT BY : james.buggs PLOT NAME : PLOT SCALE : 1:20

WISDOT/CADDS SHEET 21

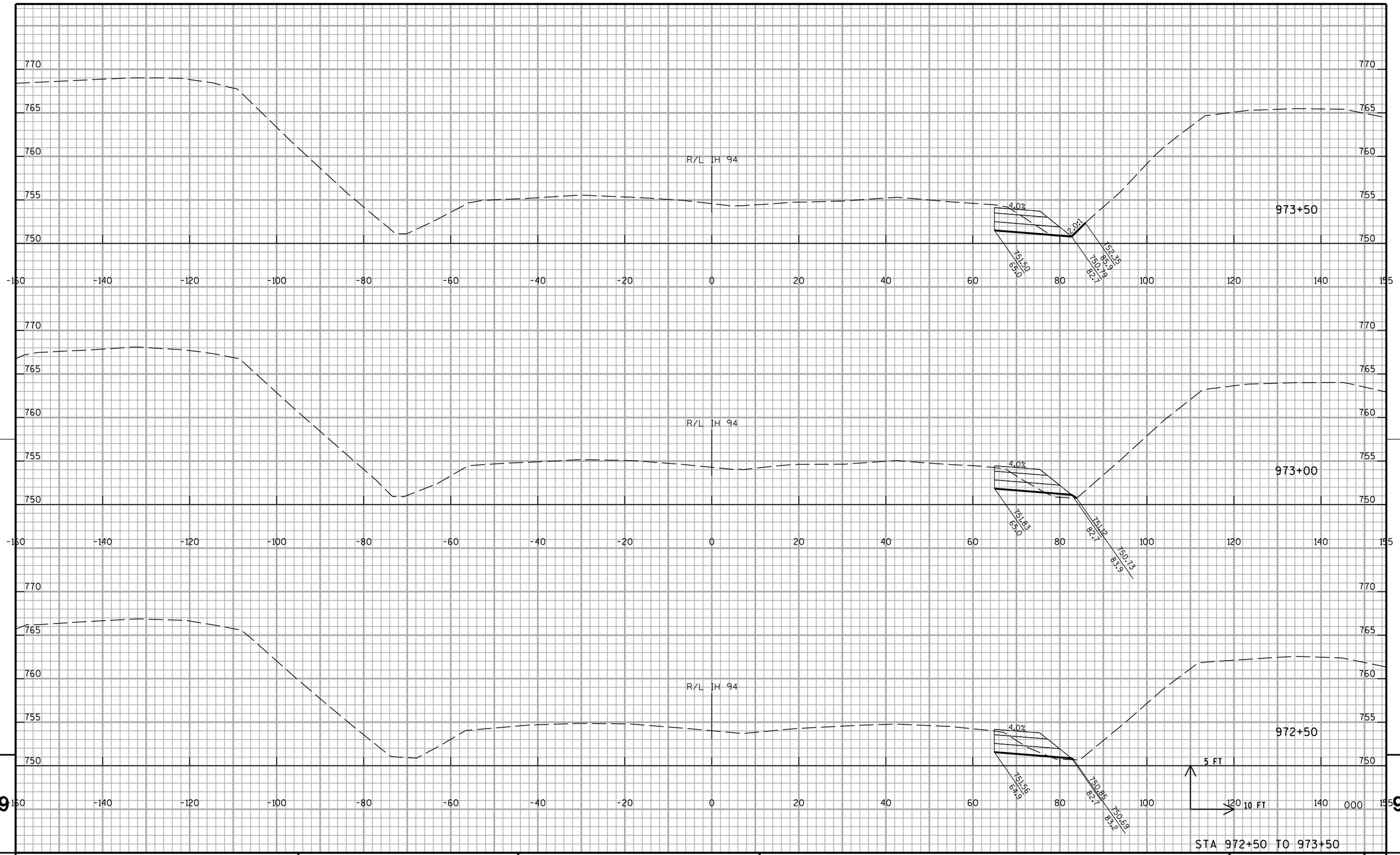


STA 971+00 TO 972+00

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	CROSS SECTIONS: IH 41 NB TEMPORARY WIDENING STAGE 1A	SHEET 478	E

FILE NAME : Z:\Racine\CADDS\WZ Prep_142-G\CDS\090204_xs_IH94NB_MN_S1A.dgn PLOT DATE : 12/11/2017 PLOT BY : james.buggs PLOT NAME : PLOT SCALE : 1:20

WISDOT/CADDS SHEET 21

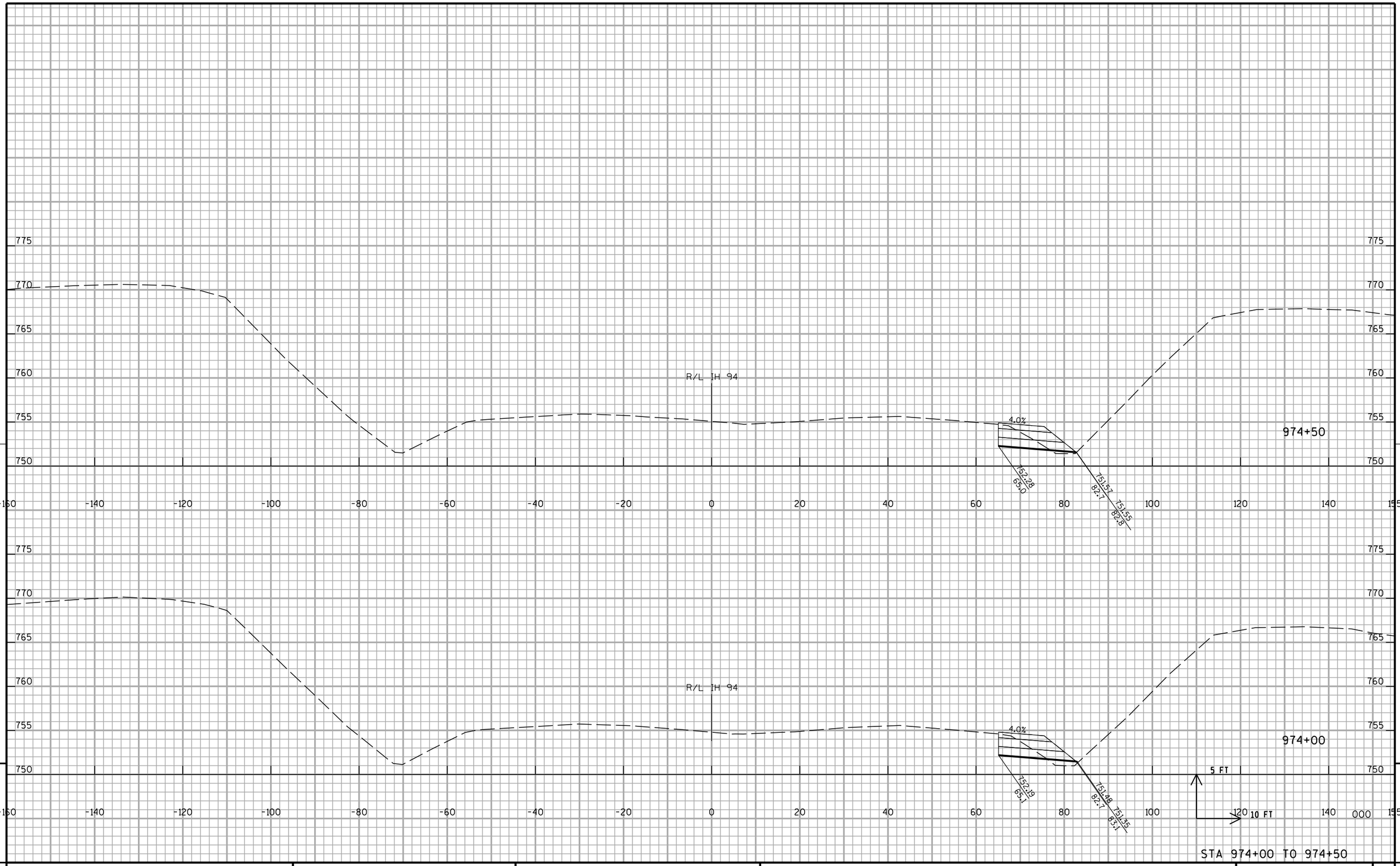


STA 972+50 TO 973+50

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	CROSS SECTIONS: IH 41 NB TEMPORARY WIDENING STAGE 1A	SHEET 479	E

FILE NAME : Z:\Racine\CADDS\WZ Prep_142-G\CDS\090204_xs_IH94NB_MN_S1A.dgn PLOT DATE : 12/11/2017 PLOT BY : james.buggs PLOT NAME : PLOT SCALE : 1:20

WISDOT/CADDS SHEET 21

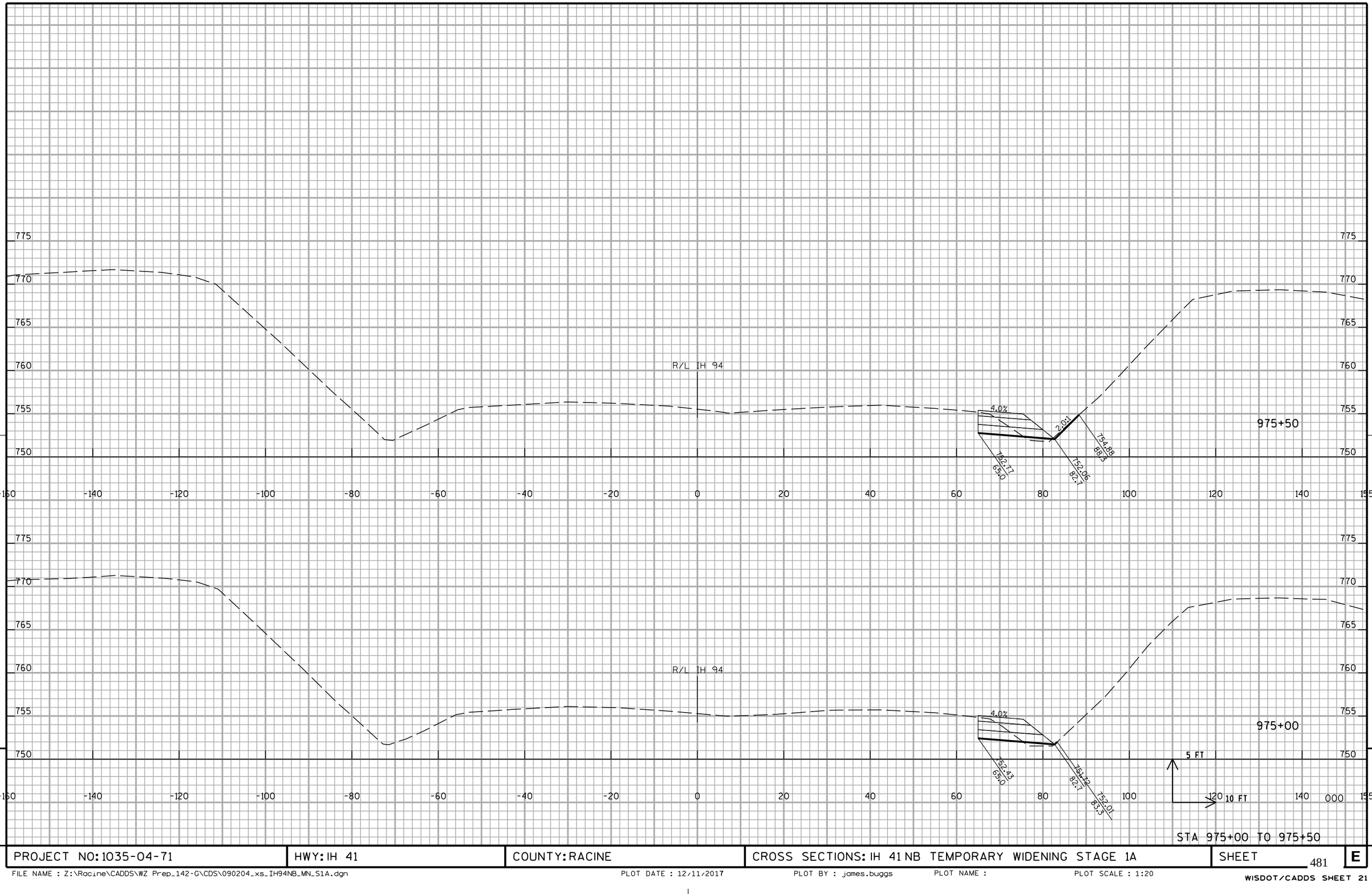


9

9

STA 974+00 TO 974+50

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	CROSS SECTIONS: IH 41 NB TEMPORARY WIDENING STAGE 1A	SHEET 480	E

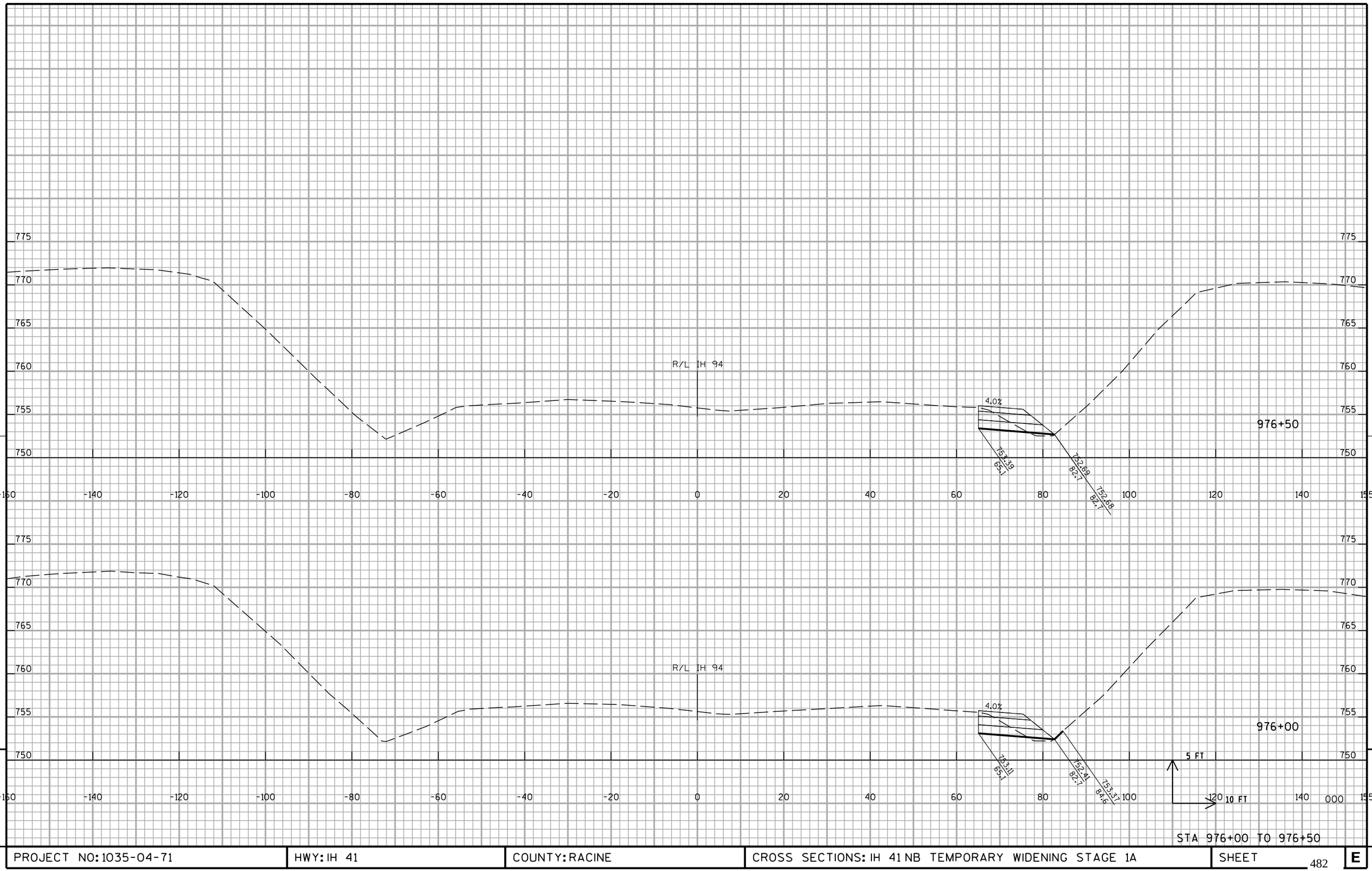


STA 975+00 TO 975+50

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	CROSS SECTIONS: IH 41 NB TEMPORARY WIDENING STAGE 1A	SHEET 481	E

FILE NAME : Z:\Racine\CADDS\WZ Prep_142-G\CDS\090204_xs_IH94NB_MN_S1A.dgn PLOT DATE : 12/11/2017 PLOT BY : james.buggs PLOT NAME : PLOT SCALE : 1:20

WISDOT/CADDS SHEET 21

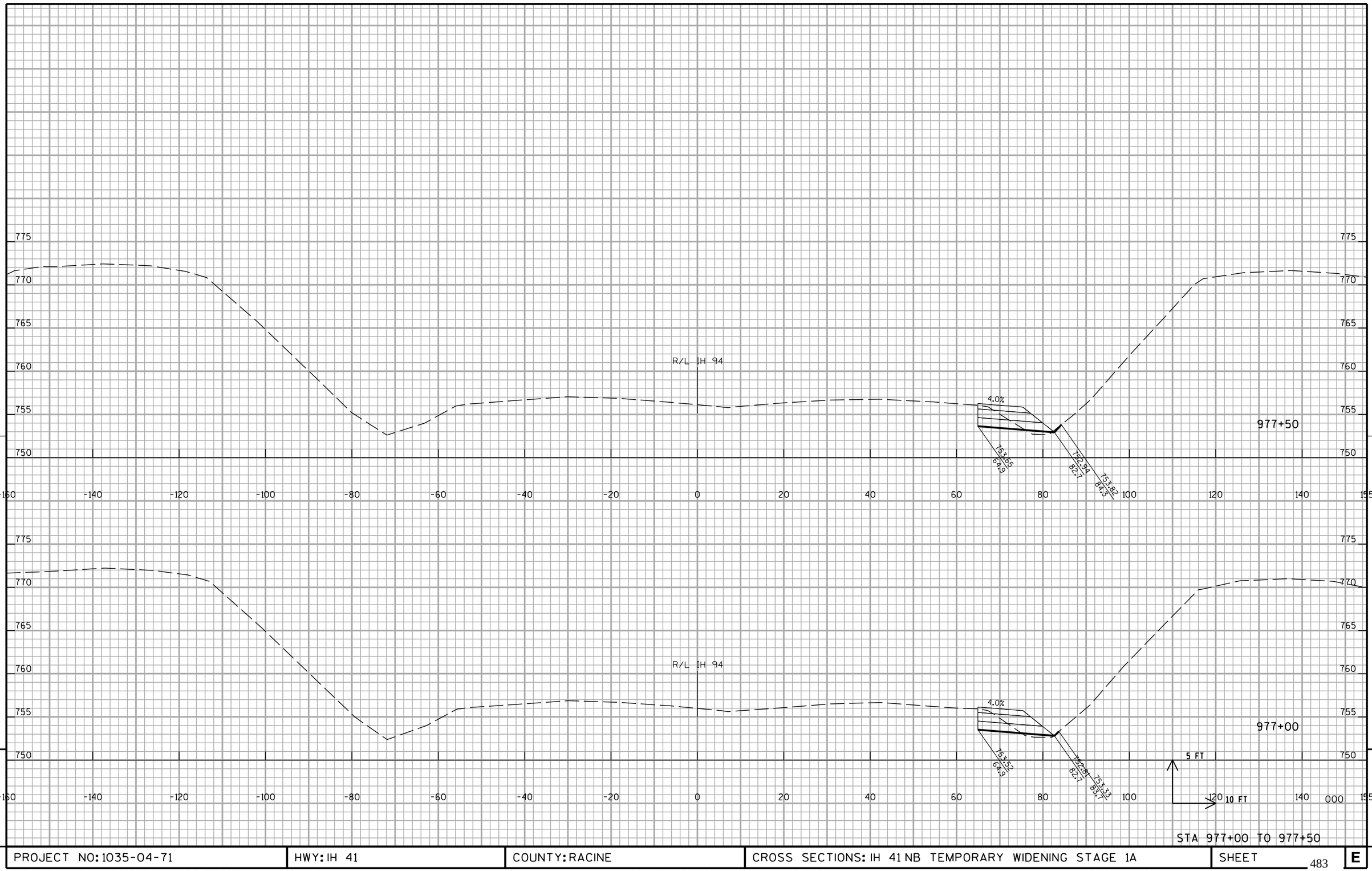


STA 976+00 TO 976+50

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	CROSS SECTIONS: IH 41 NB TEMPORARY WIDENING STAGE 1A	SHEET 482	E

FILE NAME : Z:\Racine\CADDS\WZ Prep_142-G\CDS\090204_xs_IH94NB_MN_S1A.dgn PLOT DATE : 12/11/2017 PLOT BY : james.buggs PLOT NAME : PLOT SCALE : 1:20

WISDOT/CADDS SHEET 21

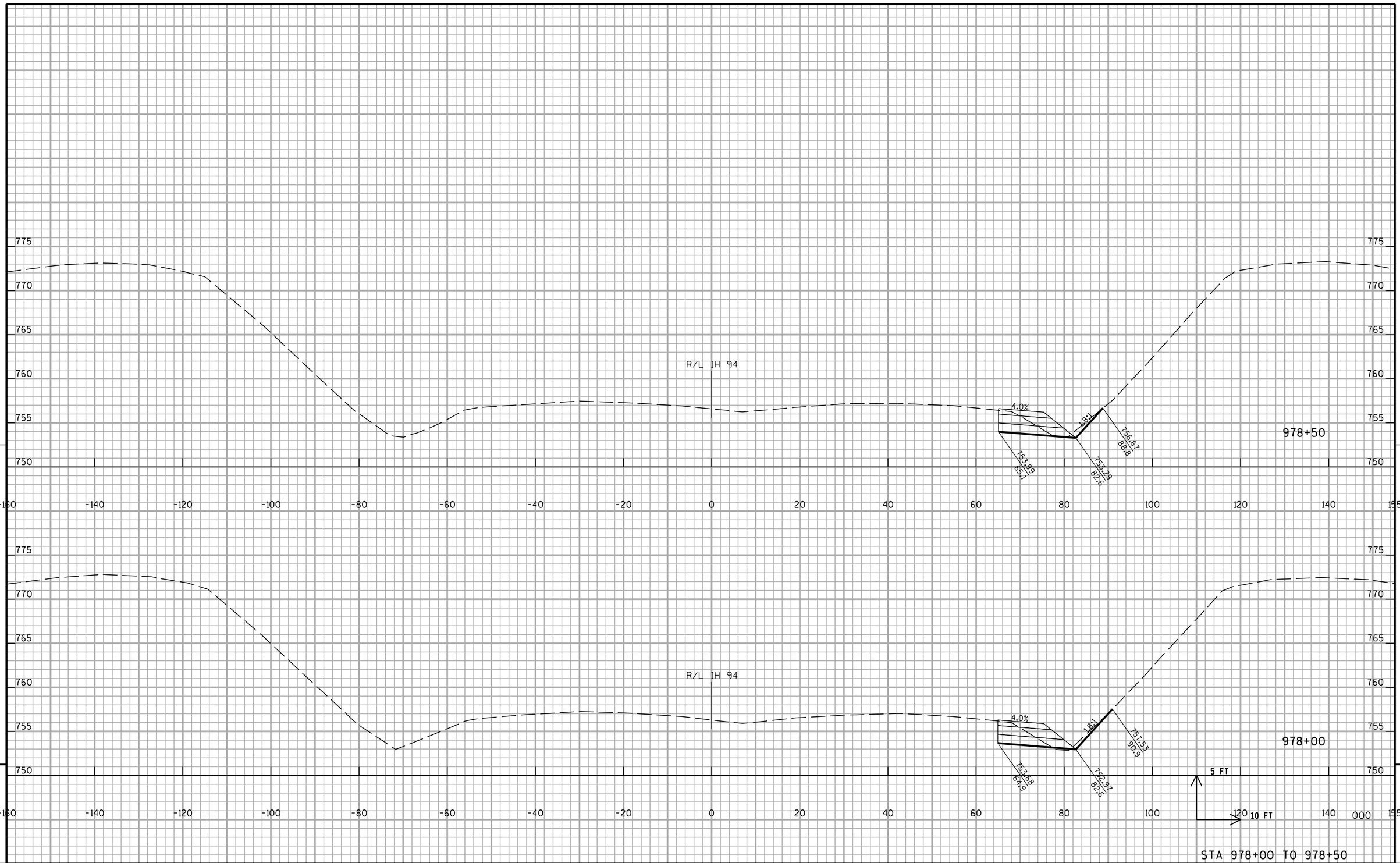


STA 977+00 TO 977+50

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	CROSS SECTIONS: IH 41 NB TEMPORARY WIDENING STAGE 1A	SHEET 483	E

FILE NAME : Z:\Racine\CADDS\WZ Prep_142-G\CDS\090204_xs_IH94NB_MN_S1A.dgn PLOT DATE : 12/11/2017 PLOT BY : james.buggs PLOT NAME : PLOT SCALE : 1:20

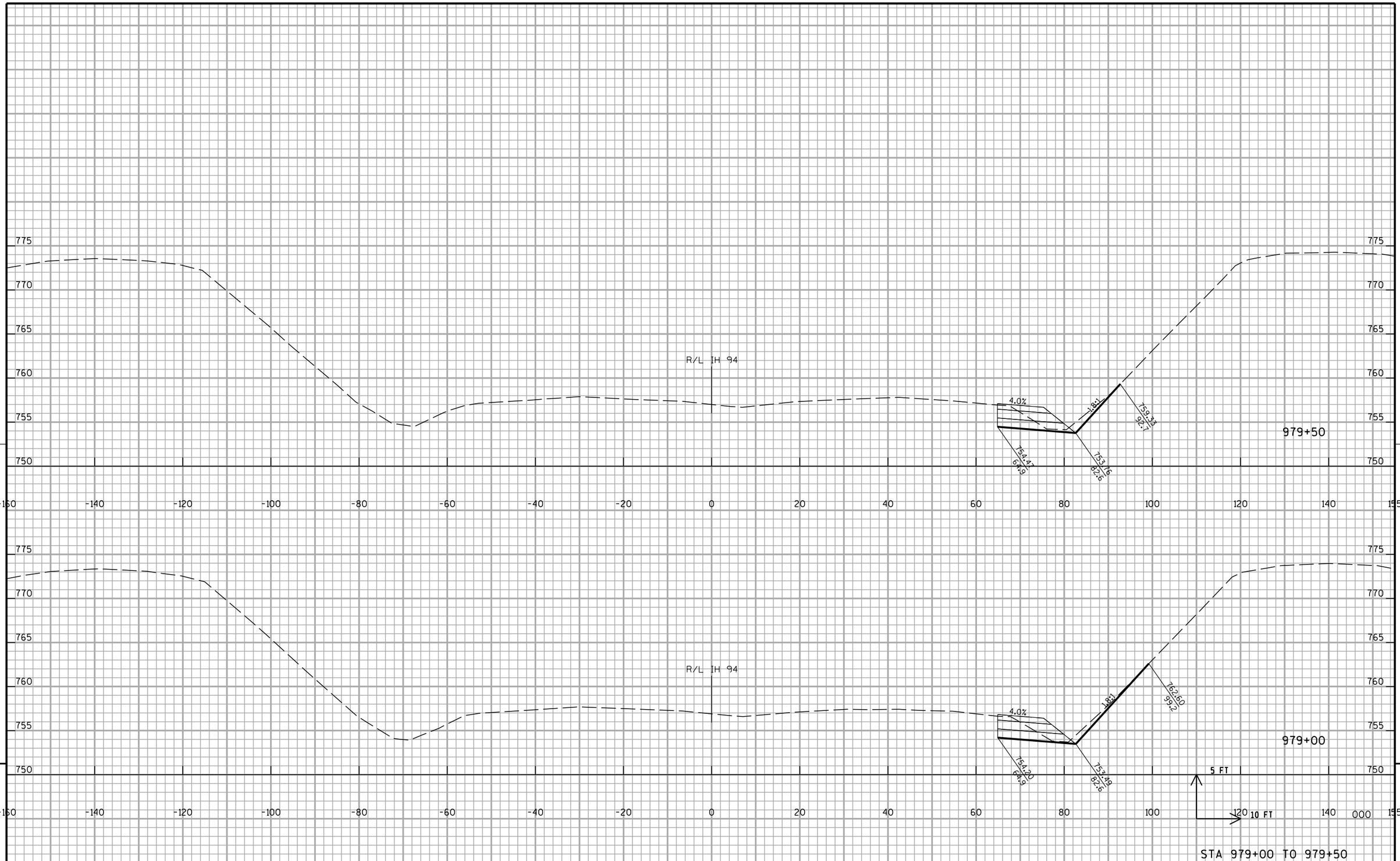
WISDOT/CADDS SHEET 21



PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	CROSS SECTIONS: IH 41 NB TEMPORARY WIDENING STAGE 1A	SHEET 484	E

FILE NAME : Z:\Racine\CADDS\WZ Prep_142-G\CDS\090204_xs_IH94NB_MN_S1A.dgn PLOT DATE : 12/11/2017 PLOT BY : james.buggs PLOT NAME : PLOT SCALE : 1:20

WISDOT/CADDS SHEET 21

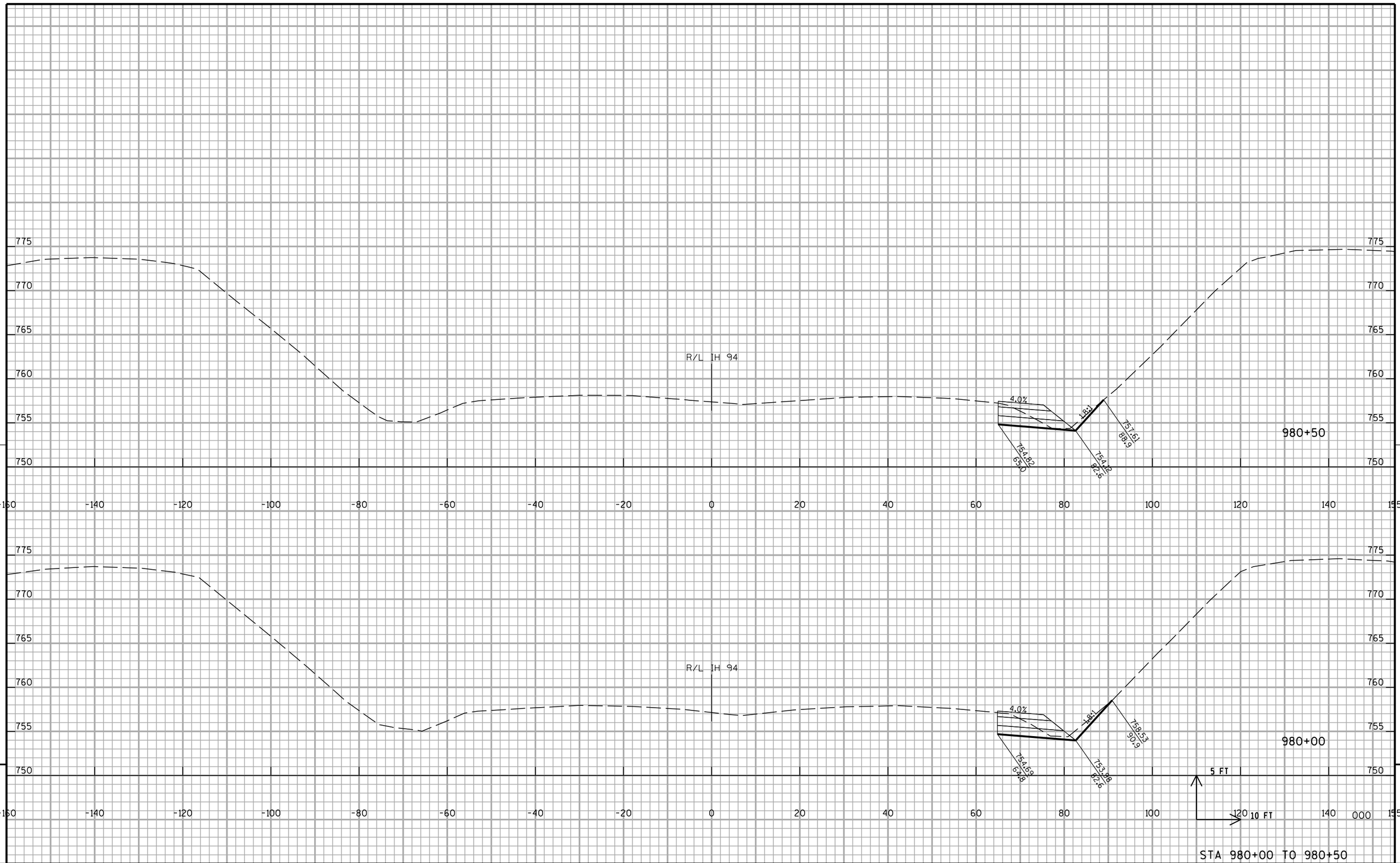


STA 979+00 TO 979+50

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	CROSS SECTIONS: IH 41 NB TEMPORARY WIDENING STAGE 1A	SHEET 485	E

FILE NAME : Z:\Racine\CADDS\WZ Prep_142-G\CDS\090204_xs_IH94NB_MN_S1A.dgn PLOT DATE : 12/11/2017 PLOT BY : james.buggs PLOT NAME : PLOT SCALE : 1:20

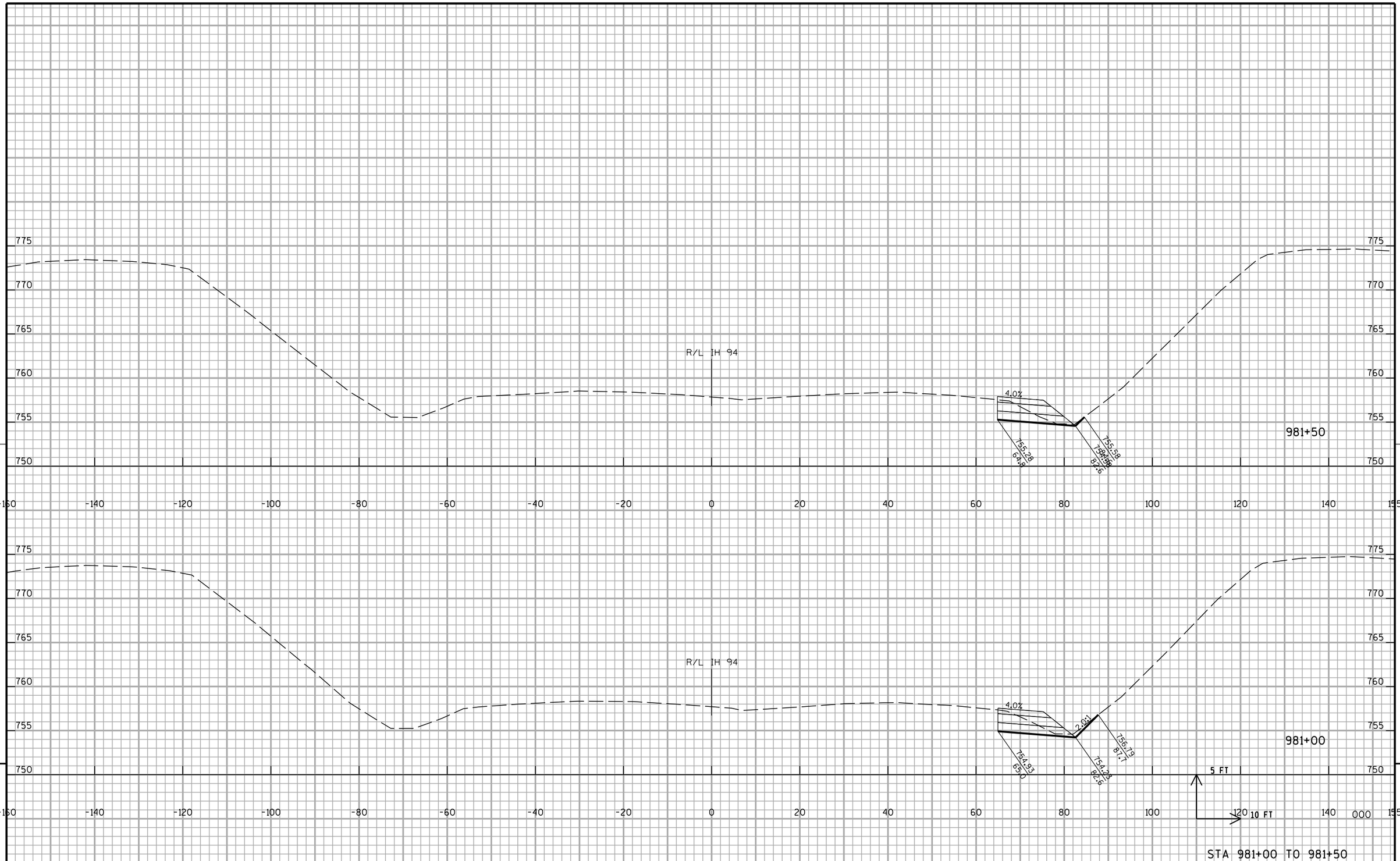
WISDOT/CADDS SHEET 21



PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	CROSS SECTIONS: IH 41 NB TEMPORARY WIDENING STAGE 1A	SHEET 486	E

FILE NAME : Z:\Racine\CADDS\WZ Prep_142-G\CDS\090204_xs_IH94NB_MN_S1A.dgn PLOT DATE : 12/11/2017 PLOT BY : james.buggs PLOT NAME : PLOT SCALE : 1:20

WISDOT/CADDS SHEET 21

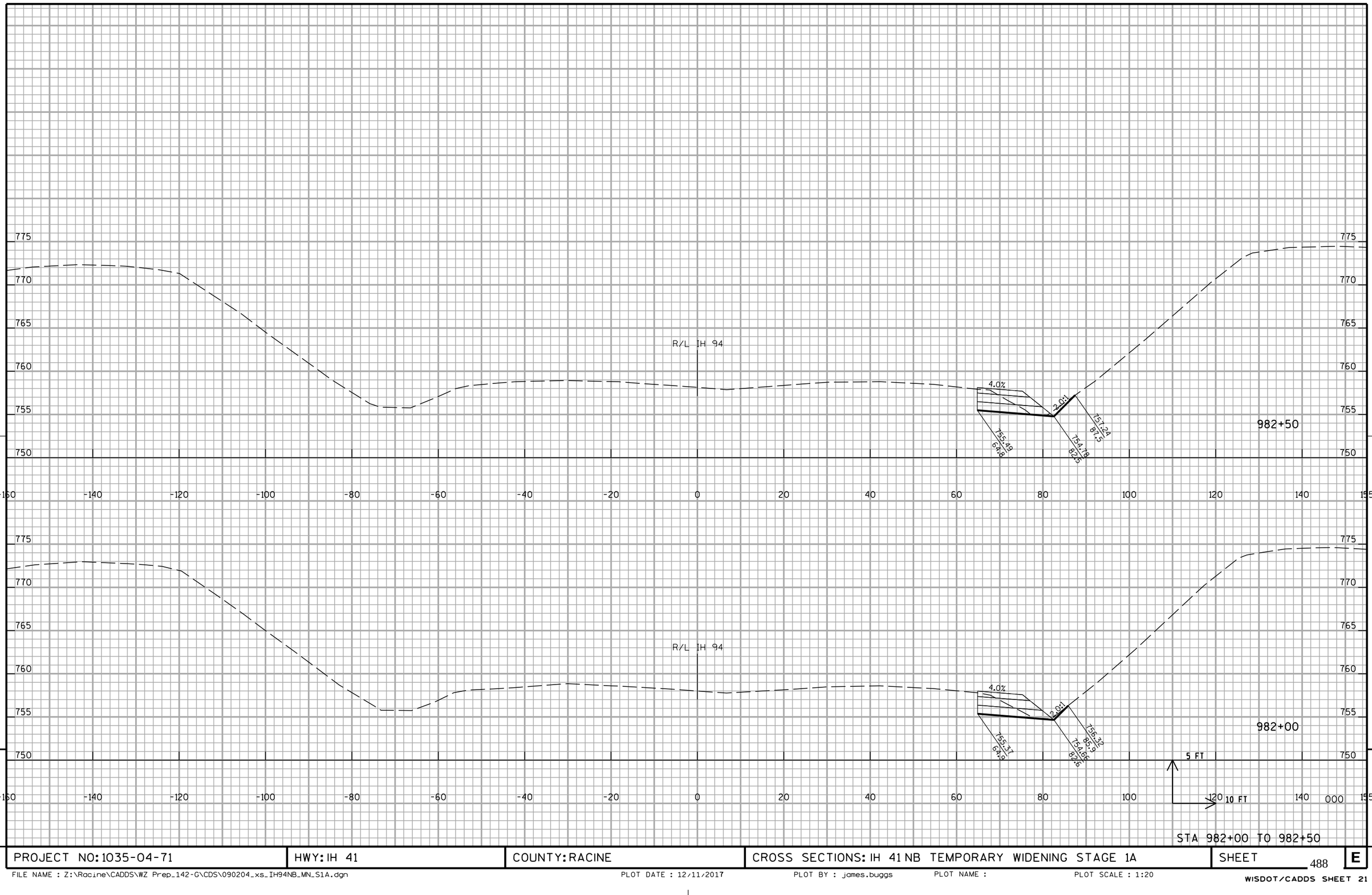


STA 981+00 TO 981+50

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	CROSS SECTIONS: IH 41 NB TEMPORARY WIDENING STAGE 1A	SHEET 487	E

FILE NAME : Z:\Racine\CADDS\WZ Prep_142-G\CDS\090204_xs_IH94NB_MN_S1A.dgn PLOT DATE : 12/11/2017 PLOT BY : james.buggs PLOT NAME : PLOT SCALE : 1:20

WISDOT/CADDS SHEET 21

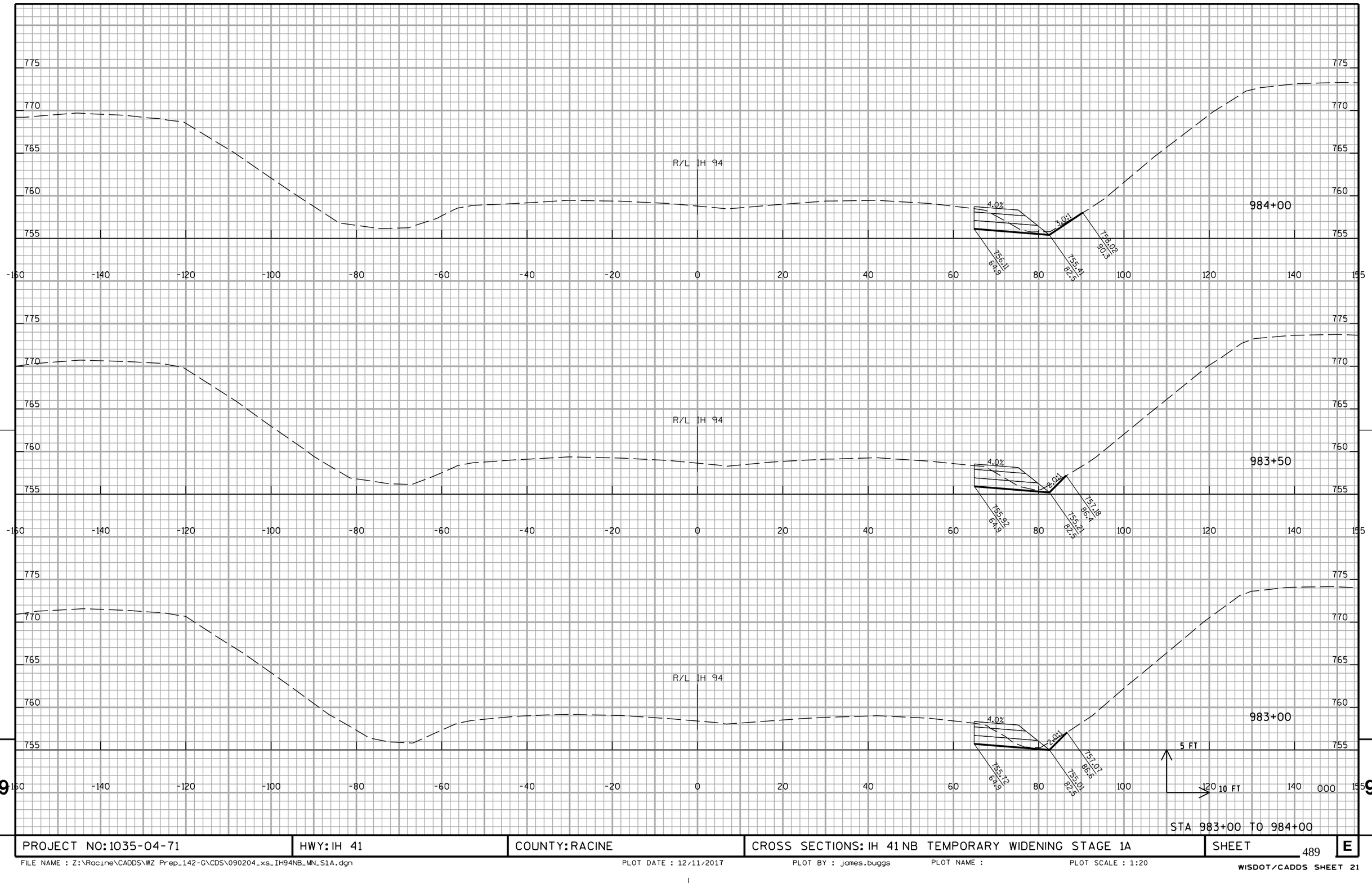


STA 982+00 TO 982+50

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	CROSS SECTIONS: IH 41 NB TEMPORARY WIDENING STAGE 1A	SHEET 488	E

FILE NAME : Z:\Racine\CADDS\WZ Prep_142-G\CDS\090204_xs_IH94NB_MN_S1A.dgn PLOT DATE : 12/11/2017 PLOT BY : james.buggs PLOT NAME : PLOT SCALE : 1:20

WISDOT/CADDS SHEET 21

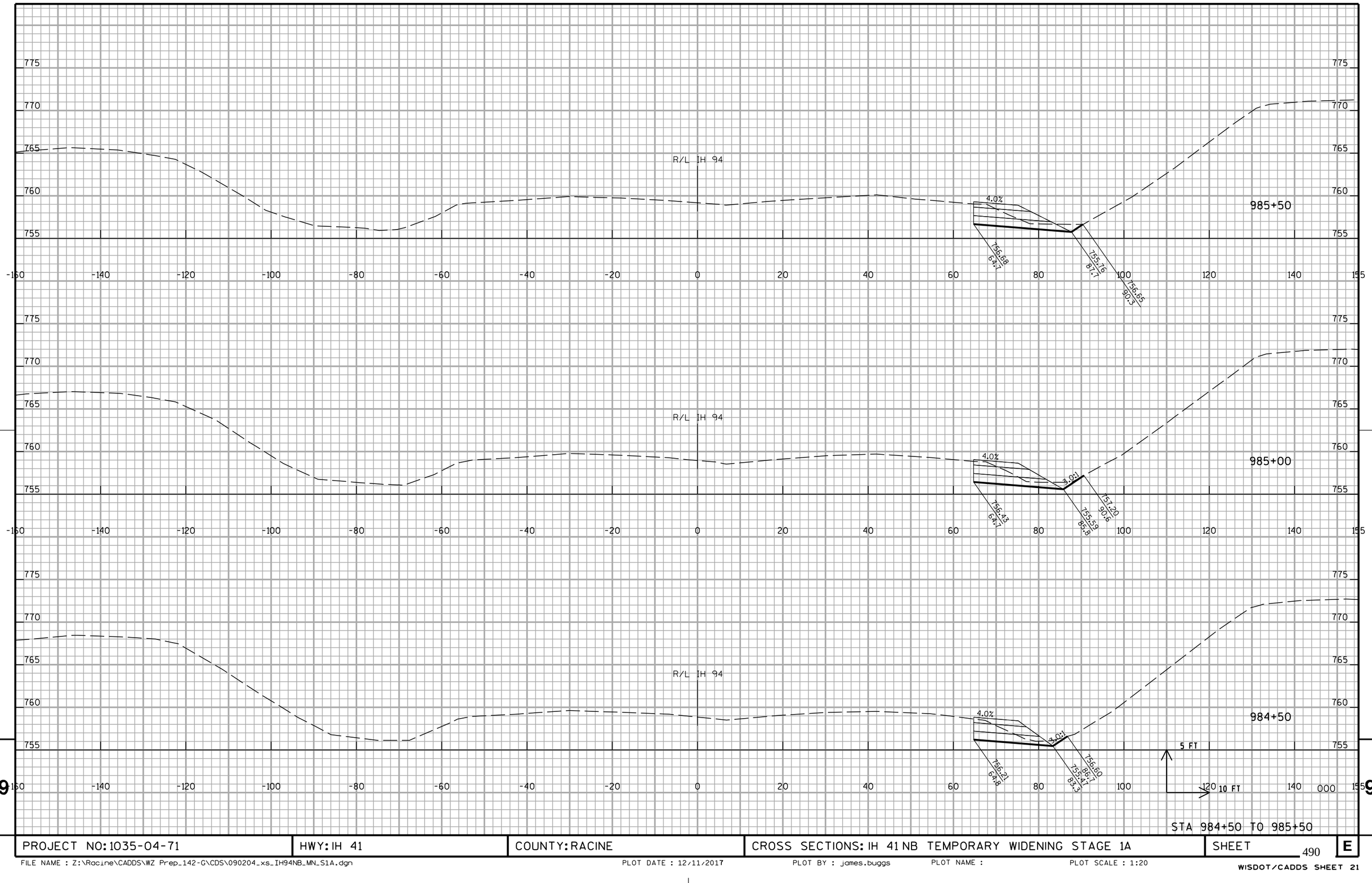


STA 983+00 TO 984+00

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	CROSS SECTIONS: IH 41 NB TEMPORARY WIDENING STAGE 1A	SHEET 489	E

FILE NAME : Z:\Racine\CADDS\WZ Prep_142-G\CDS\090204_xs_IH94NB_MN_S1A.dgn PLOT DATE : 12/11/2017 PLOT BY : james.buggs PLOT NAME : PLOT SCALE : 1:20

WISDOT/CADDS SHEET 21

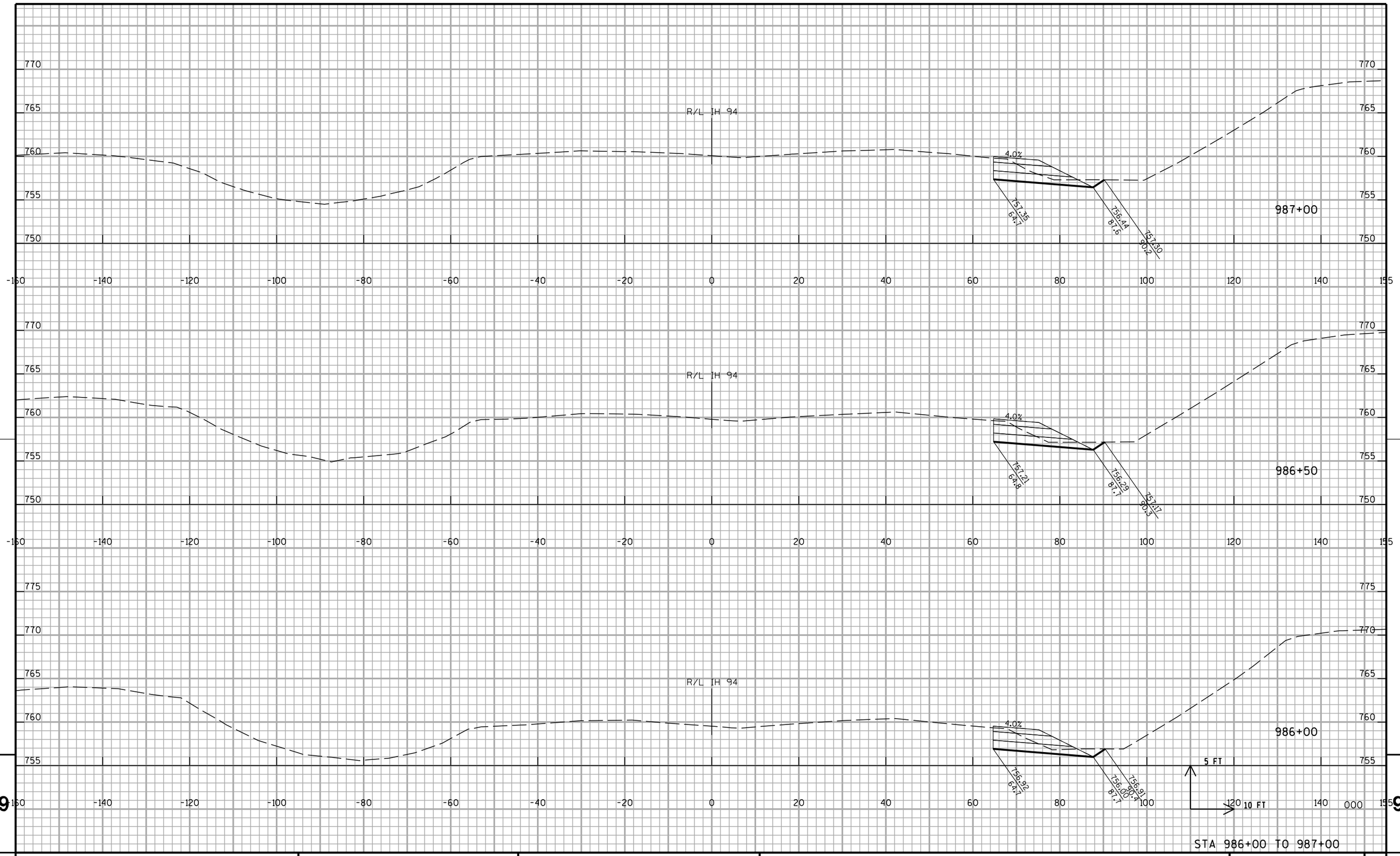


STA 984+50 TO 985+50

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	CROSS SECTIONS: IH 41 NB TEMPORARY WIDENING STAGE 1A	SHEET 490	E

FILE NAME : Z:\Racine\CADDS\WZ Prep_142-G\CDS\090204_xs_IH94NB_MN_S1A.dgn PLOT DATE : 12/11/2017 PLOT BY : james.buggs PLOT NAME : PLOT SCALE : 1:20

WISDOT/CADDS SHEET 21

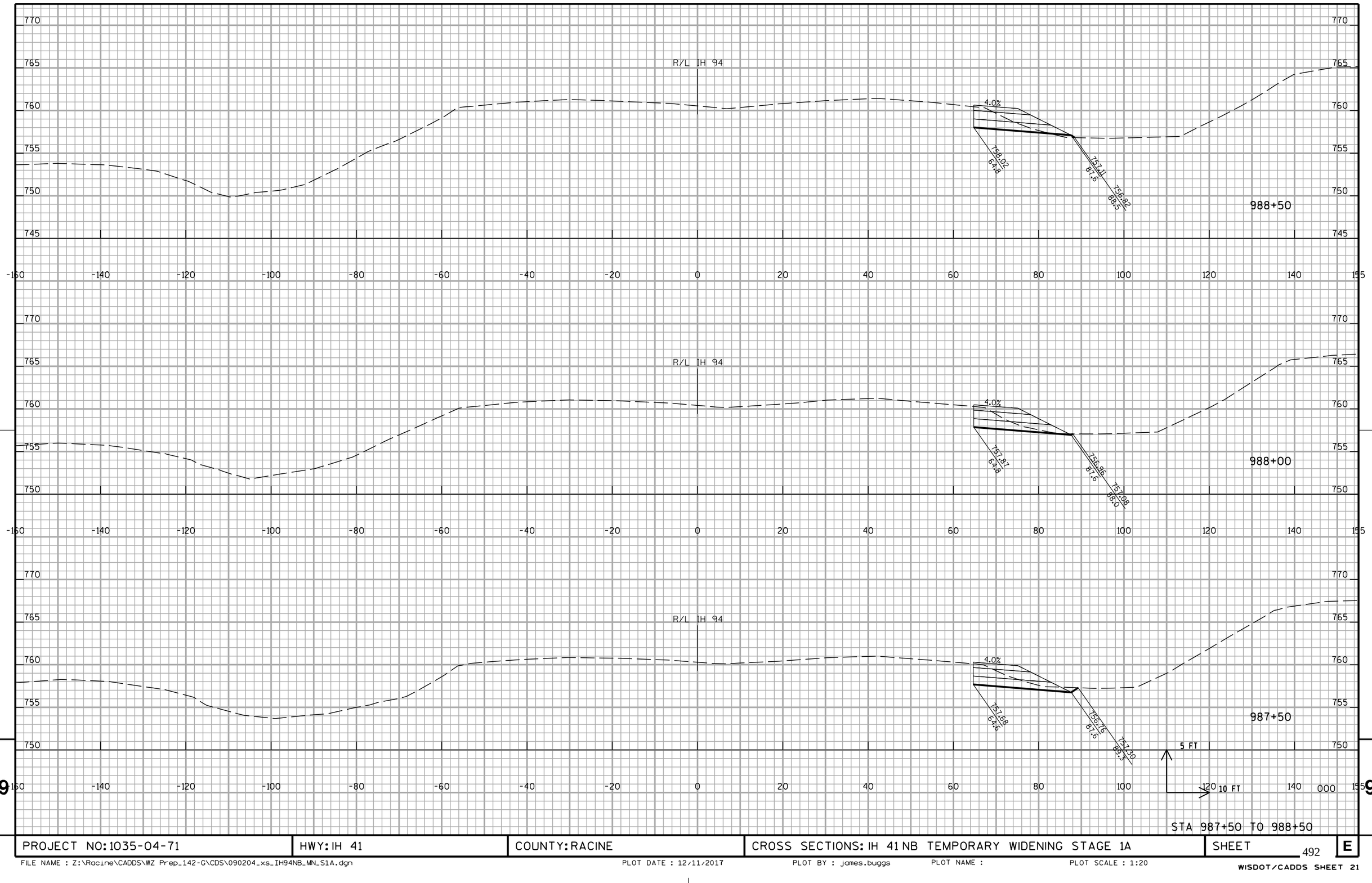


STA 986+00 TO 987+00

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	CROSS SECTIONS: IH 41 NB TEMPORARY WIDENING STAGE 1A	SHEET 491	E

FILE NAME : Z:\Racine\CADDS\WZ Prep_142-G\CDS\090204_xs_IH94NB_MN_S1A.dgn PLOT DATE : 12/11/2017 PLOT BY : james.buggs PLOT NAME : PLOT SCALE : 1:20

WISDOT/CADDS SHEET 21

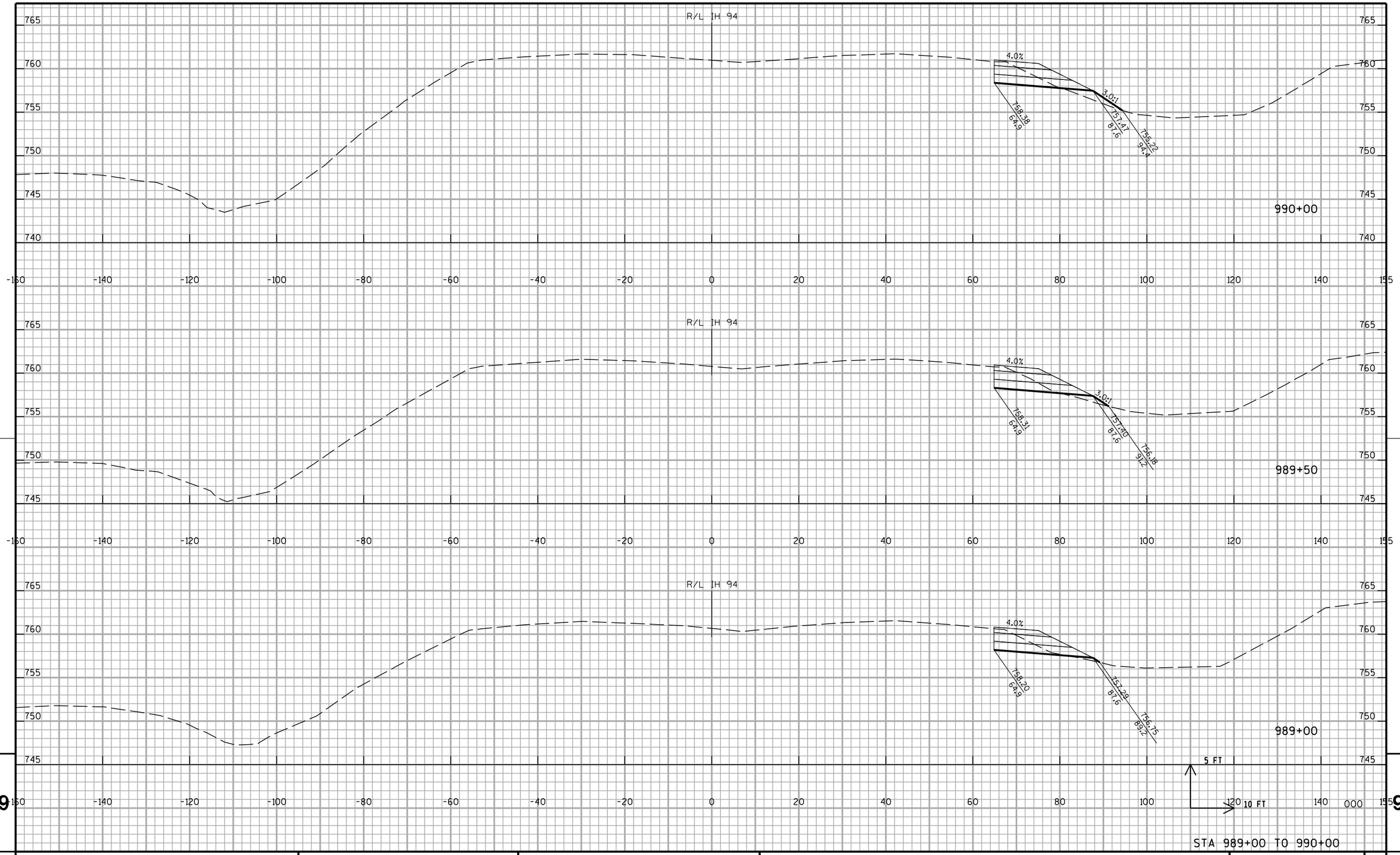


STA 987+50 TO 988+50

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	CROSS SECTIONS: IH 41 NB TEMPORARY WIDENING STAGE 1A	SHEET 492	E

FILE NAME : Z:\Racine\CADDS\WZ Prep_142-G\CDS\090204_xs_IH94NB_MN_S1A.dgn PLOT DATE : 12/11/2017 PLOT BY : james.buggs PLOT NAME : PLOT SCALE : 1:20

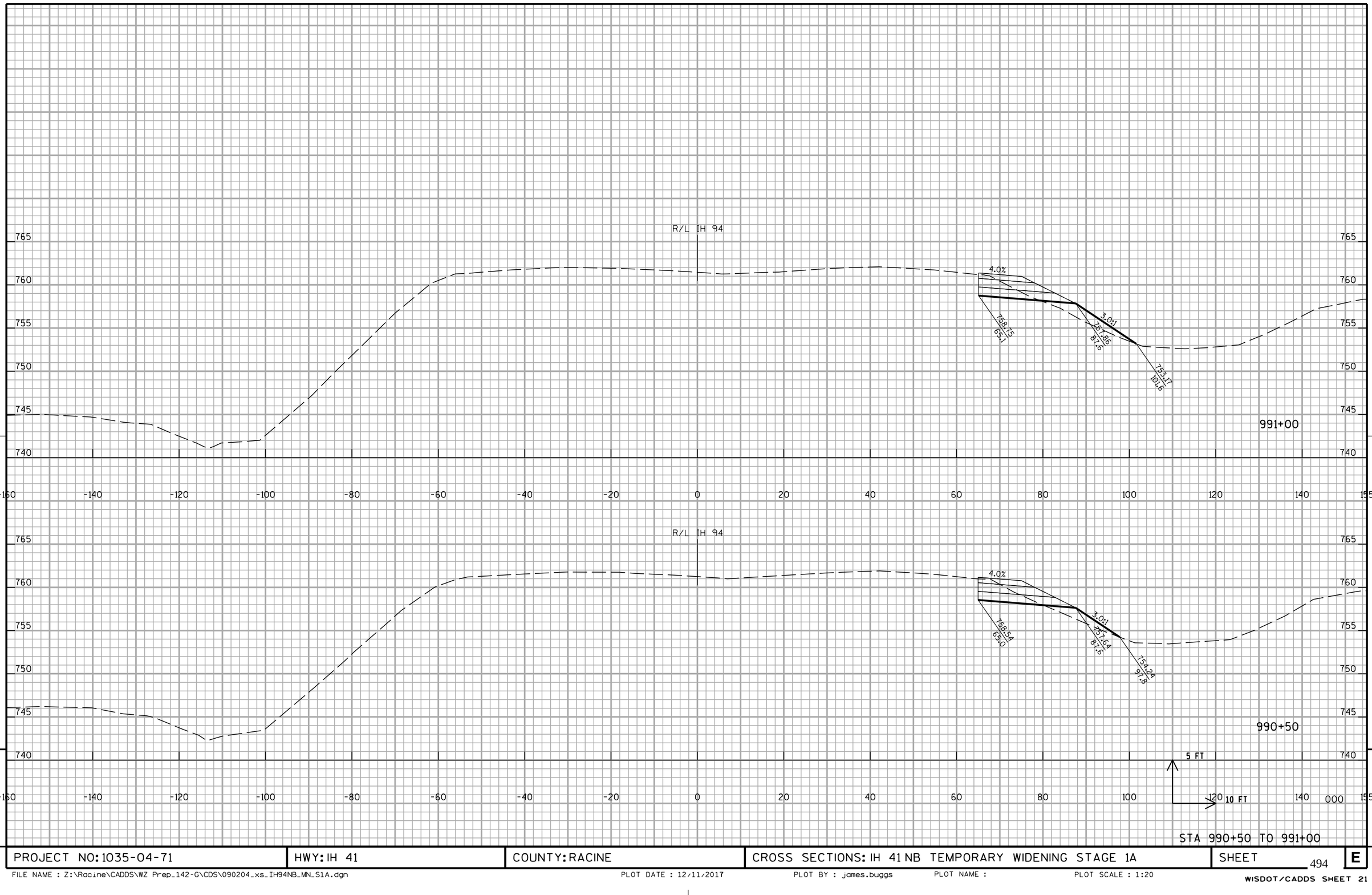
WISDOT/CADDS SHEET 21



PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	CROSS SECTIONS: IH 41 NB TEMPORARY WIDENING STAGE 1A	SHEET 493	E

FILE NAME : Z:\Racine\CADDS\WZ Prep_142-G\CDS\090204_xs_IH94NB_MN_S1A.dgn PLOT DATE : 12/11/2017 PLOT BY : james.buggs PLOT NAME : PLOT SCALE : 1:20

WISDOT/CADDS SHEET 21

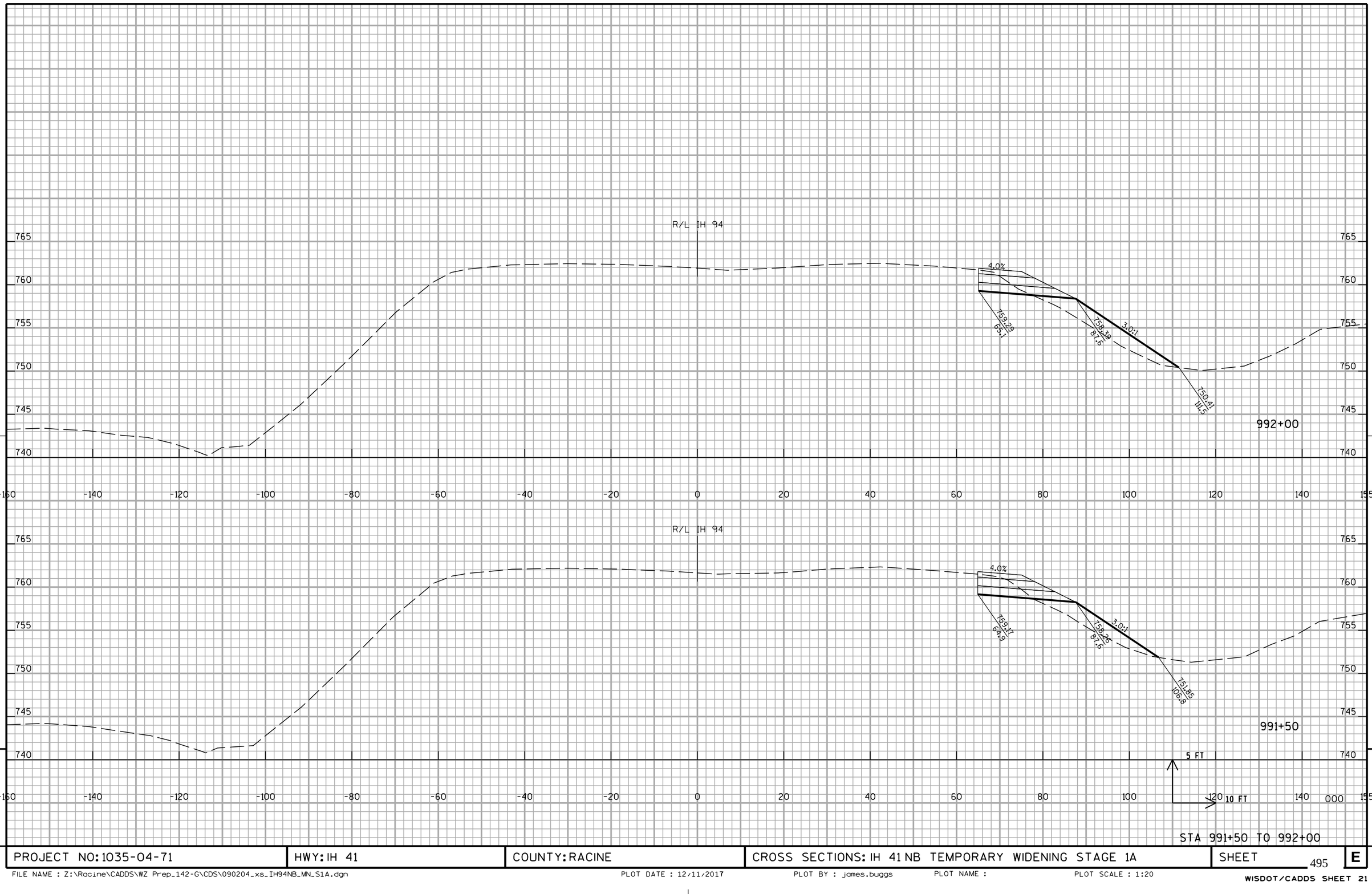


STA 990+50 TO 991+00

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	CROSS SECTIONS: IH 41 NB TEMPORARY WIDENING STAGE 1A	SHEET 494	E

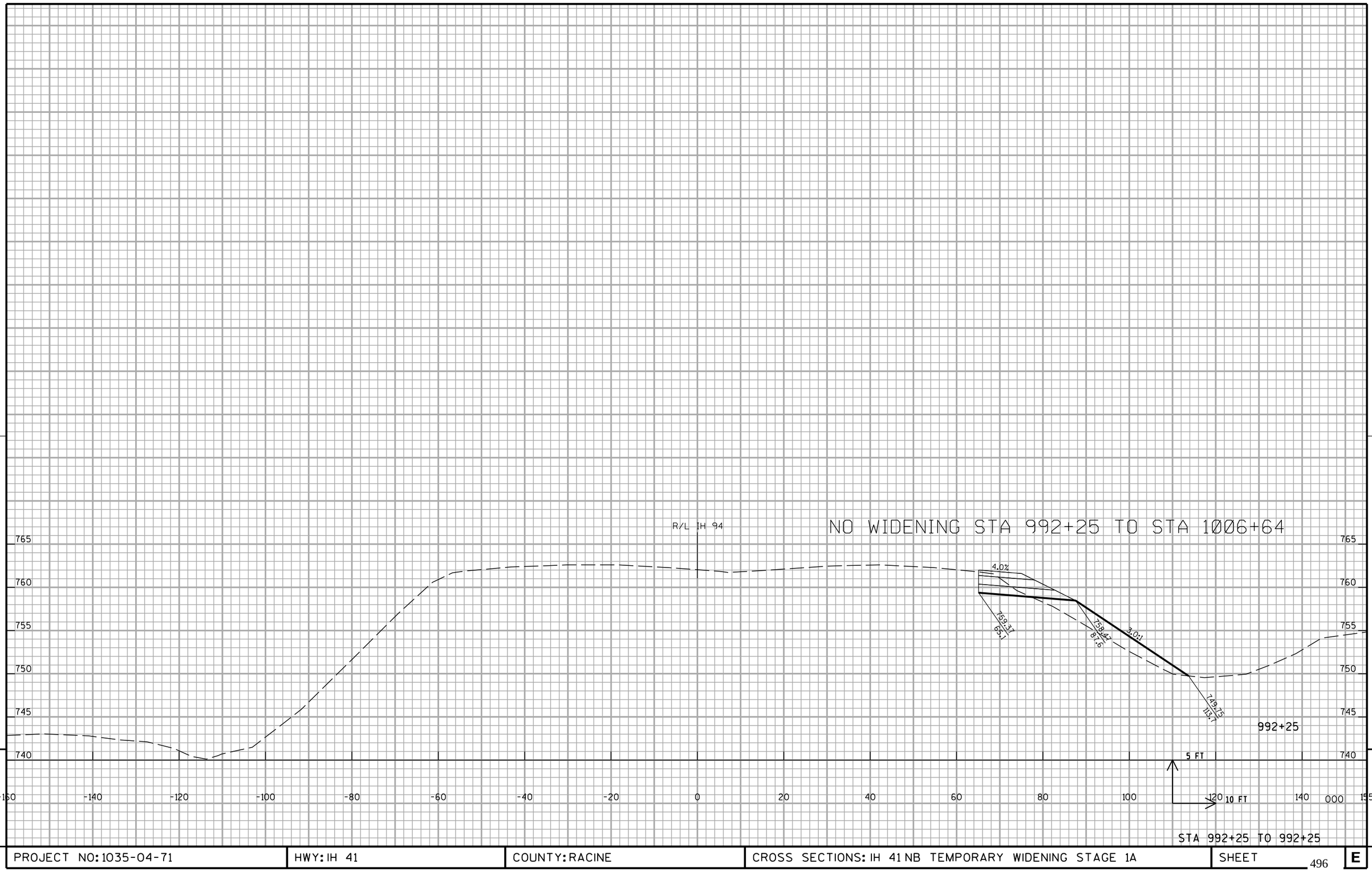
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WISDOT/CADDS SHEET 21



PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	CROSS SECTIONS: IH 41 NB TEMPORARY WIDENING STAGE 1A	SHEET 495	E

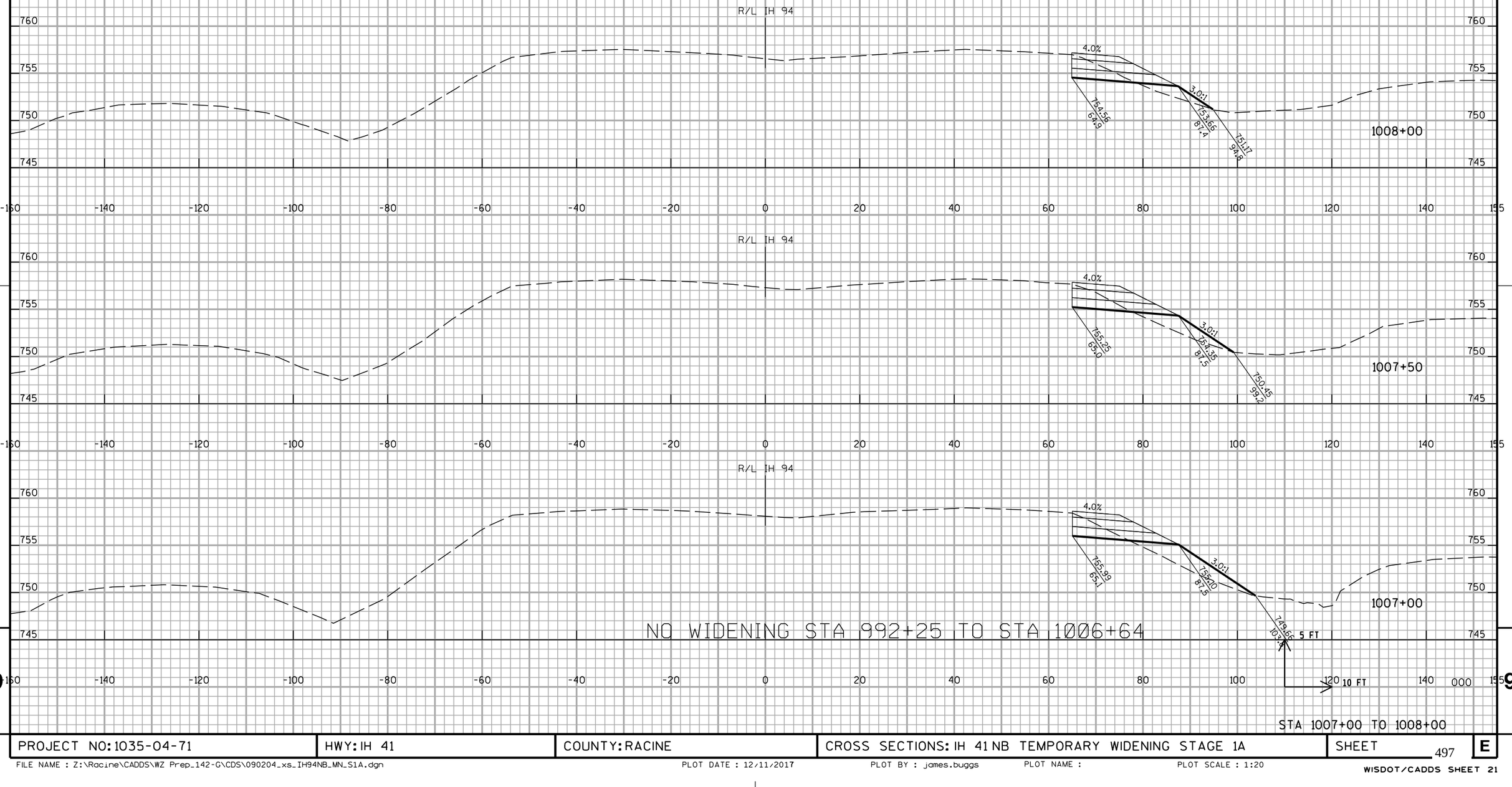
FILE NAME : Z:\Racine\CADDS\WZ Prep_142-G\CDS\090204_xs_IH94NB_MN_S1A.dgn PLOT DATE : 12/11/2017 PLOT BY : james.buggs PLOT NAME : PLOT SCALE : 1:20



PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	CROSS SECTIONS: IH 41 NB TEMPORARY WIDENING STAGE 1A	SHEET 496	E

FILE NAME : Z:\Racine\CADDS\WZ Prep_142-G\CDS\090204_xs_IH94NB_MN_S1A.dgn PLOT DATE : 12/11/2017 PLOT BY : james.buggs PLOT NAME : PLOT SCALE : 1:20

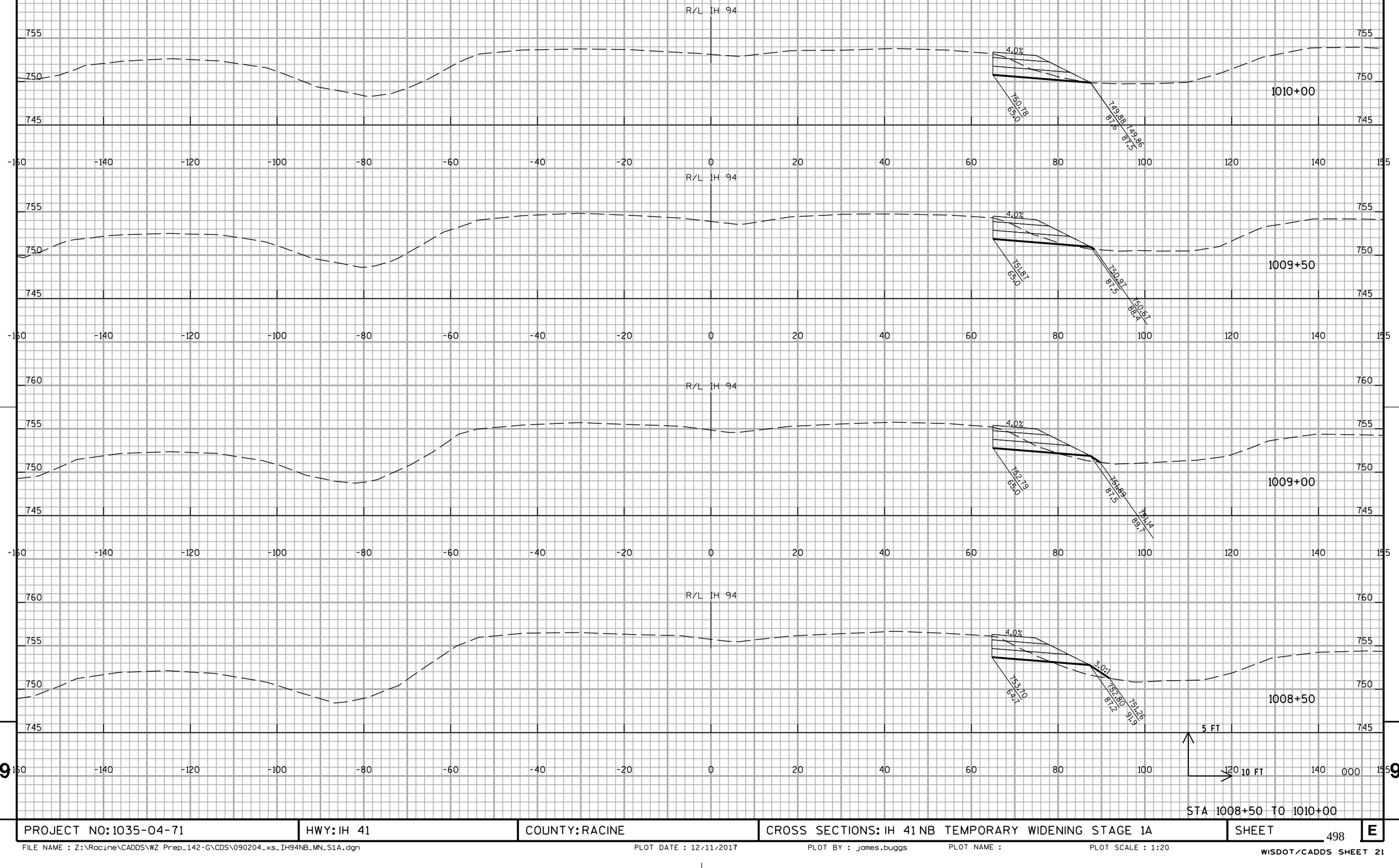
WISDOT/CADDS SHEET 21



PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	CROSS SECTIONS: IH 41 NB TEMPORARY WIDENING STAGE 1A	SHEET 497	E

FILE NAME : Z:\Racine\CADDS\WZ Prep_142-G\CDS\090204_xs_IH94NB_MN_S1A.dgn PLOT DATE : 12/11/2017 PLOT BY : james.buggs PLOT NAME : PLOT SCALE : 1:20

WISDOT/CADDS SHEET 21



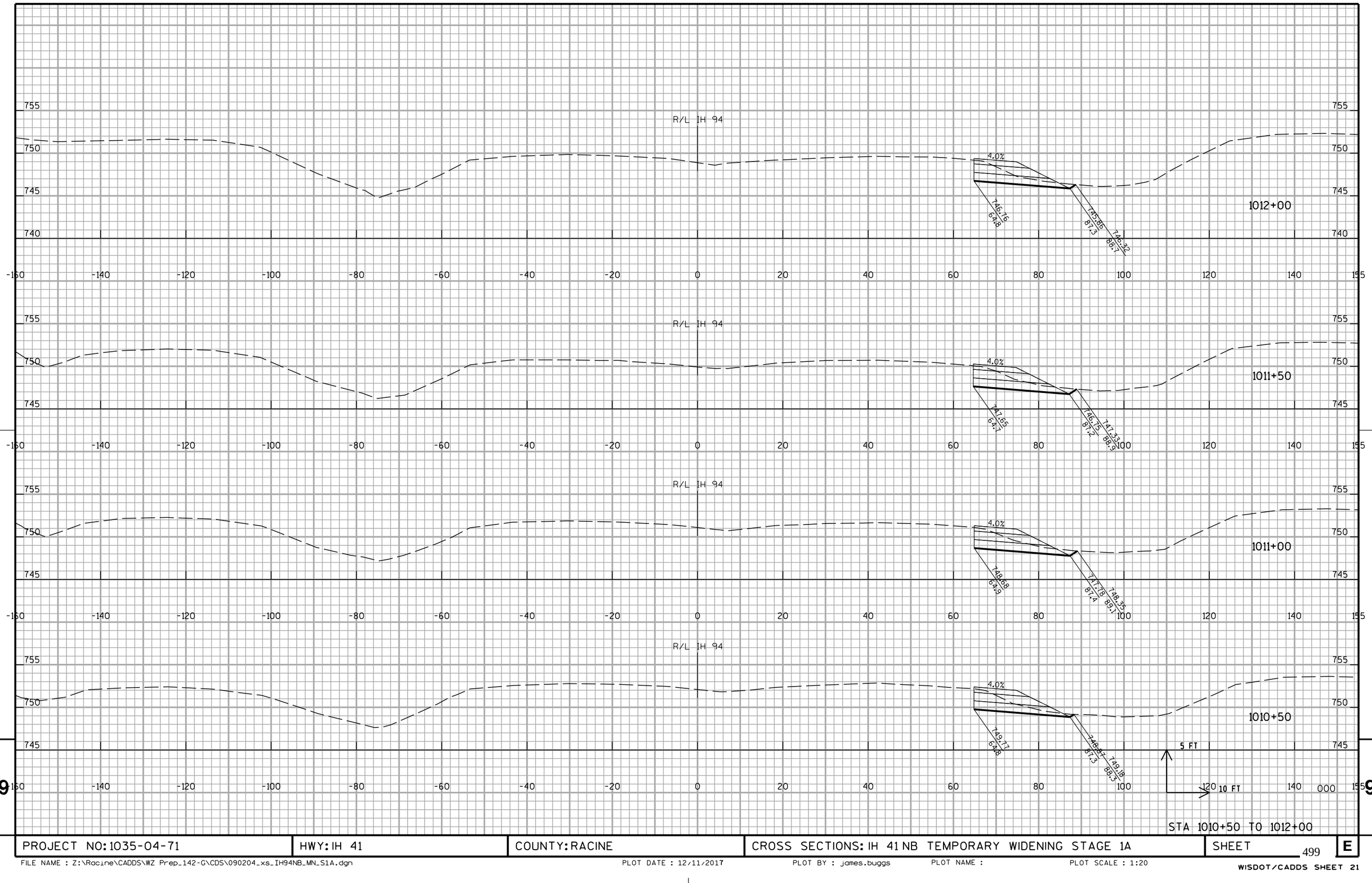
9

STA 1008+50 TO 1010+00

9

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	CROSS SECTIONS: IH 41 NB TEMPORARY WIDENING STAGE 1A	SHEET 498	E

FILE NAME : Z:\Racine\CADDS\WZ Prep_142-G\CDS\090204_xs_IH94NB_MN_S1A.dgn PLOT DATE : 12/11/2017 PLOT BY : james.buggs PLOT NAME : PLOT SCALE : 1:20

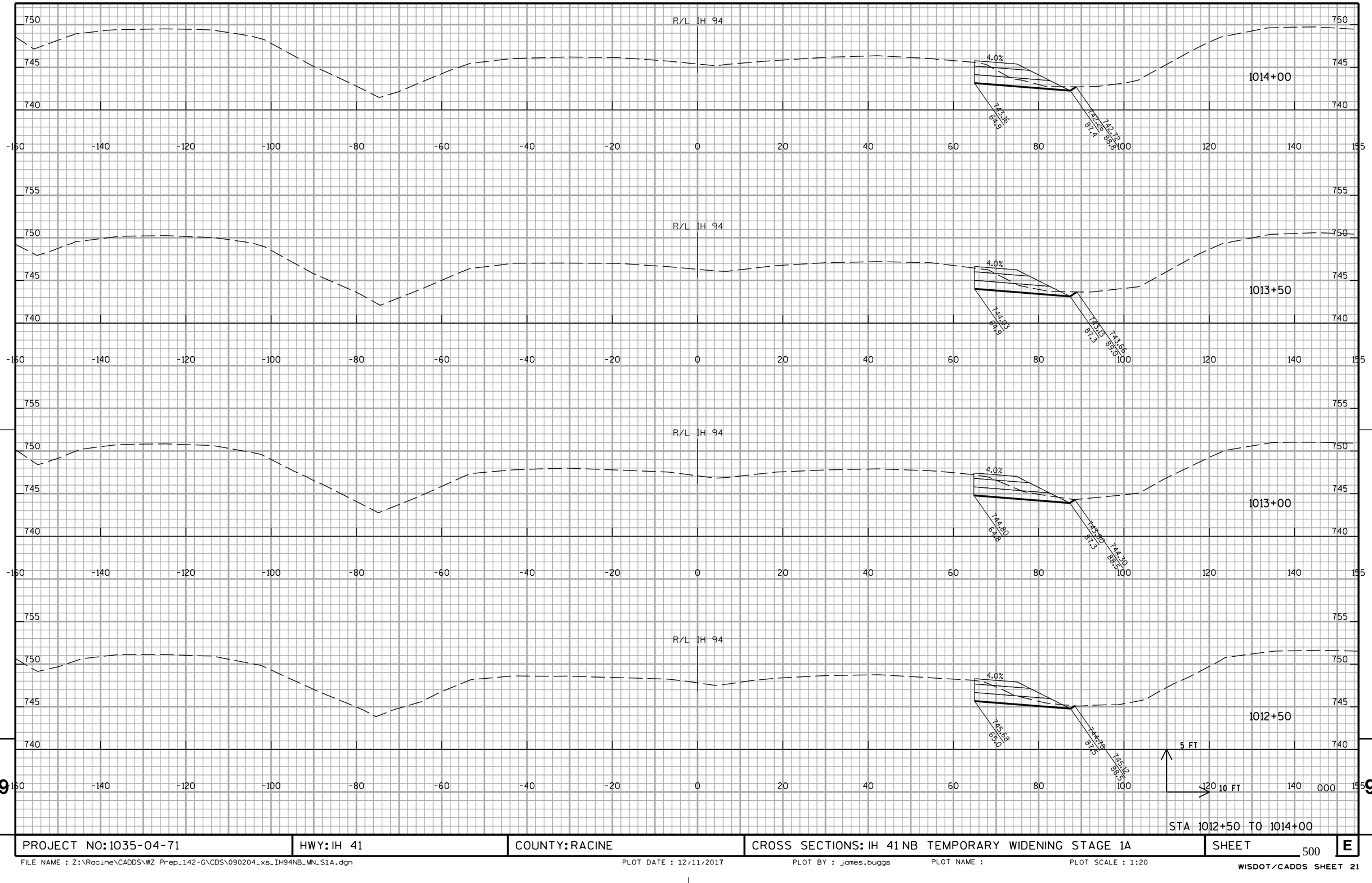


STA 1010+50 TO 1012+00

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	CROSS SECTIONS: IH 41 NB TEMPORARY WIDENING STAGE 1A	SHEET 499	E

FILE NAME : Z:\Racine\CADDS\WZ Prep_142-G\CDS\090204_xs_IH94NB_MN_S1A.dgn PLOT DATE : 12/11/2017 PLOT BY : james.buggs PLOT NAME : PLOT SCALE : 1:20

WISDOT/CADDS SHEET 21

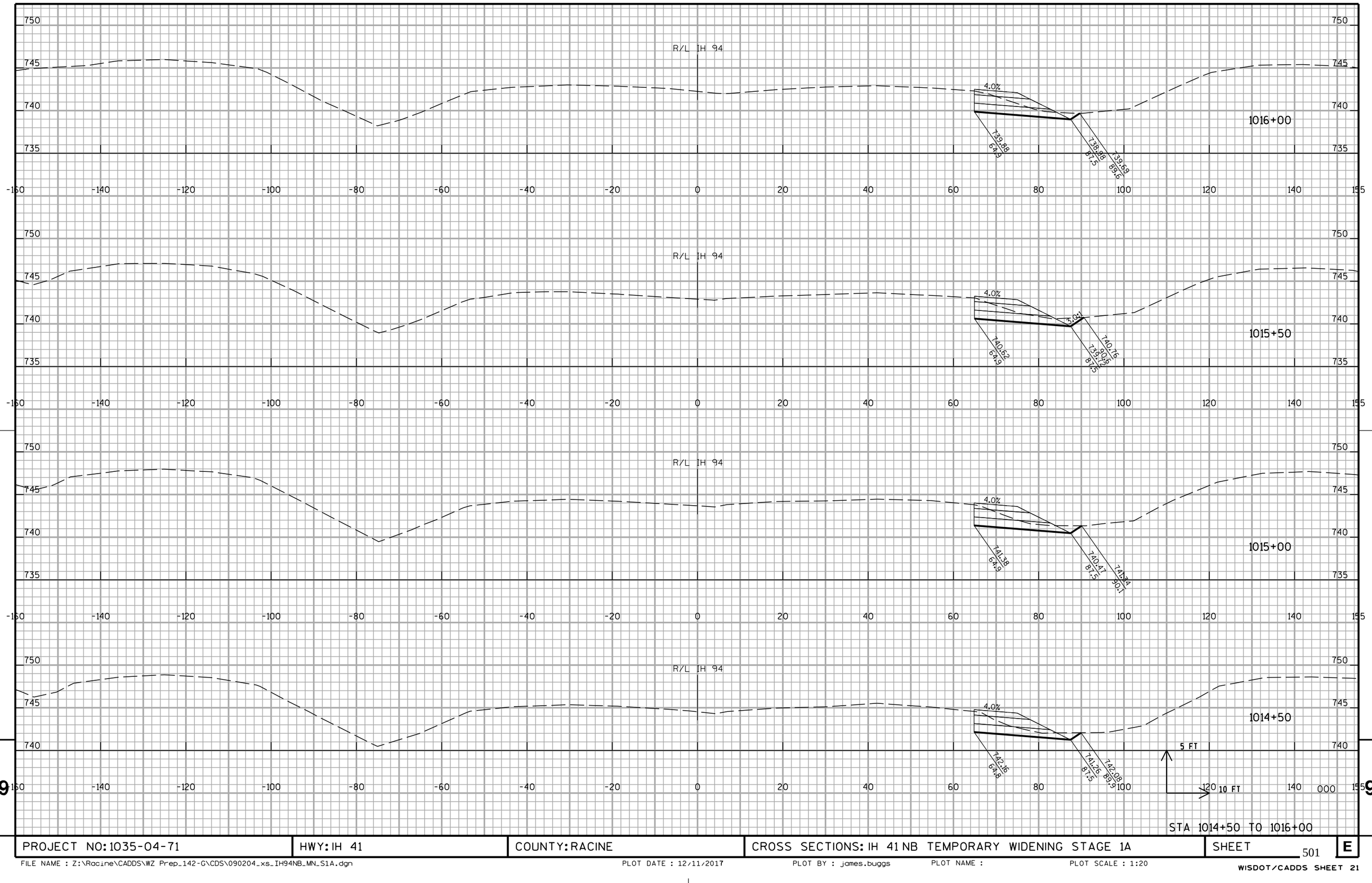


STA 1012+50 TO 1014+00

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	CROSS SECTIONS: IH 41 NB TEMPORARY WIDENING STAGE 1A	SHEET 500	E

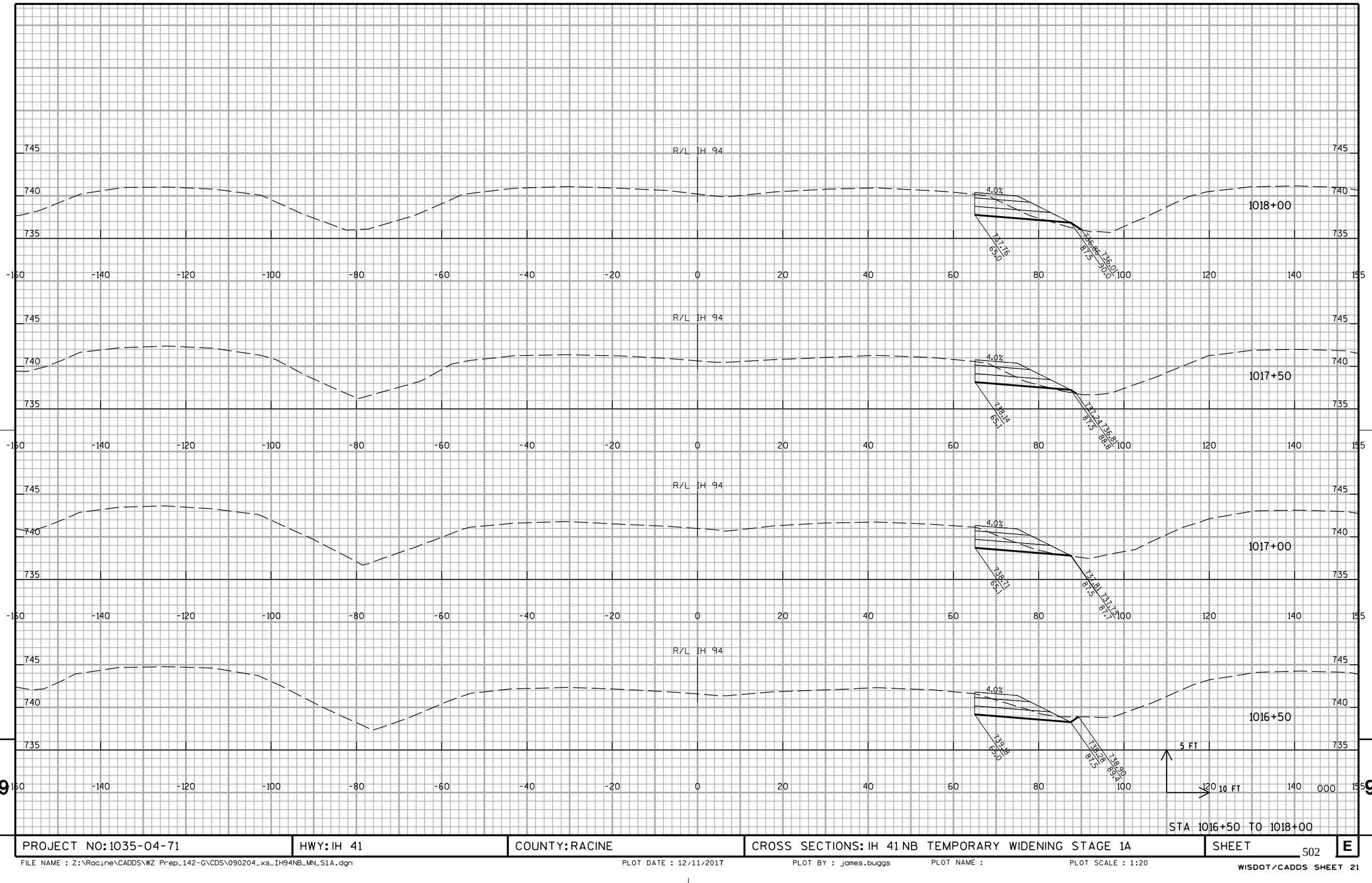
FILE NAME : Z:\Racine\CADDS\WZ Prep_142-G\CDS\090204_xs_IH94NB_MN_S1A.dgn PLOT DATE : 12/11/2017 PLOT BY : james.buggs PLOT NAME : PLOT SCALE : 1:20

WISDOT/CADDS SHEET 21



STA 1014+50 TO 1016+00

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	CROSS SECTIONS: IH 41 NB TEMPORARY WIDENING STAGE 1A	SHEET 501	E



STA 1016+50 TO 1018+00

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	CROSS SECTIONS: IH 41 NB TEMPORARY WIDENING STAGE 1A	SHEET 502	E

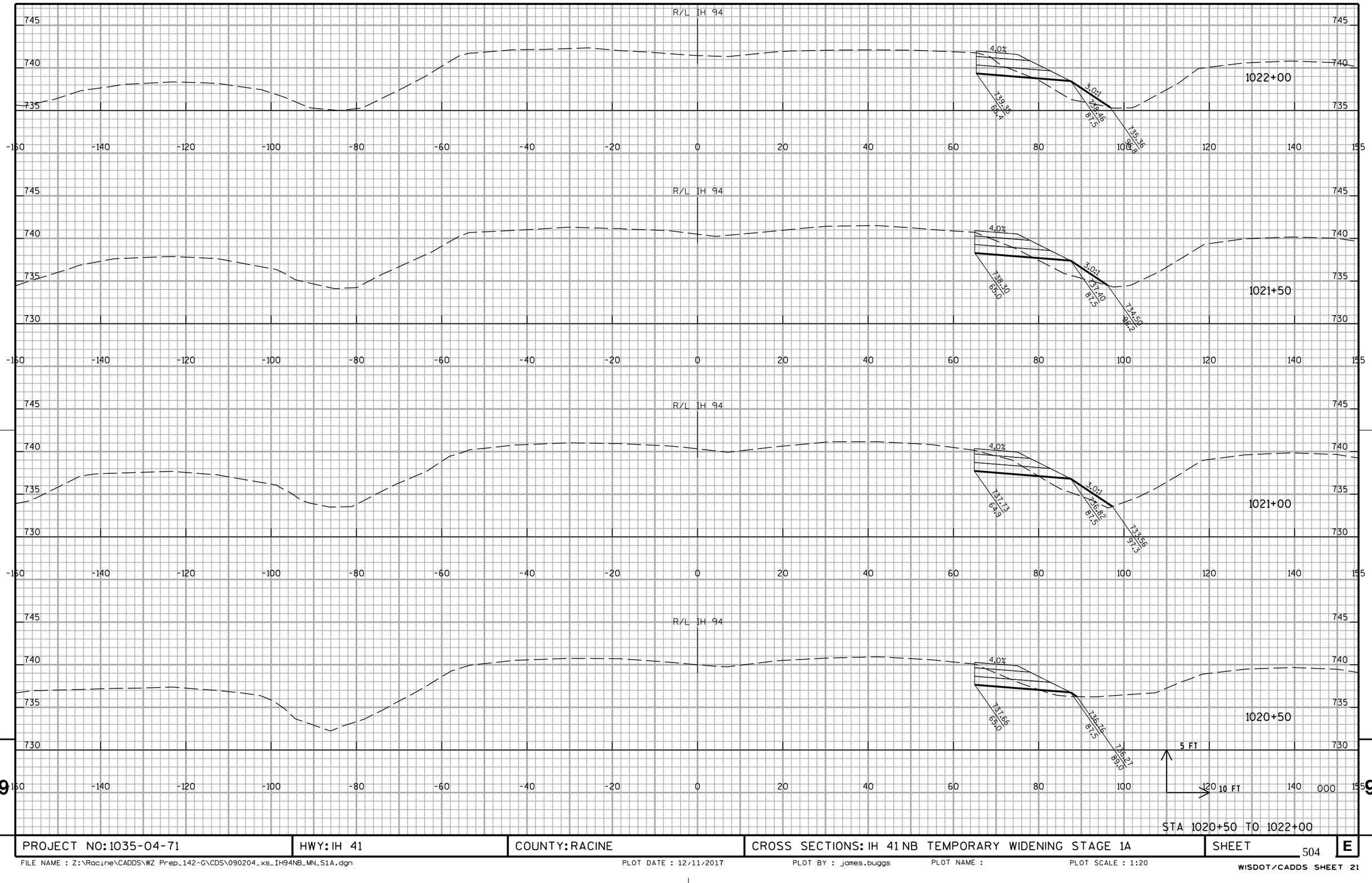
FILE NAME : Z:\Racine\CADDS\WZ Prep_142-G\CDS\090204_xs_IH94NB_MN_S1A.dgn PLOT DATE : 12/11/2017 PLOT BY : james.buggs PLOT NAME : PLOT SCALE : 1:20

WISDOT/CADDS SHEET 21

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	CROSS SECTIONS: IH 41 NB TEMPORARY WIDENING STAGE 1A	SHEET 503	E

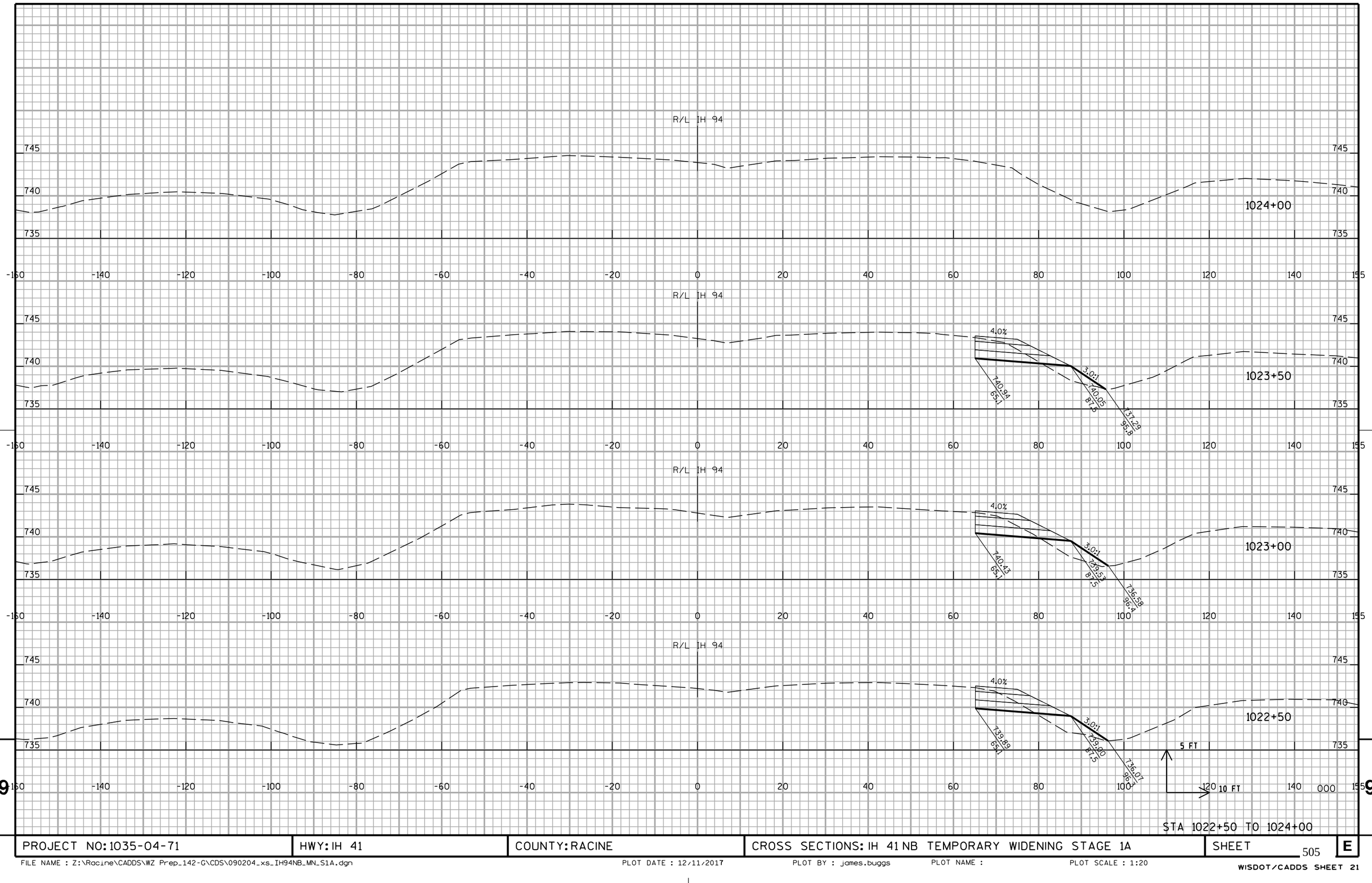
FILE NAME : Z:\Racine\CADDS\WZ Prep_142-G\CDS\090204_xs_IH94NB_MN_S1A.dgn PLOT DATE : 12/11/2017 PLOT BY : james.buggs PLOT NAME : PLOT SCALE : 1:20

WISDOT/CADDS SHEET 21



STA 1020+50 TO 1022+00

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	CROSS SECTIONS: IH 41 NB TEMPORARY WIDENING STAGE 1A	SHEET 504	E



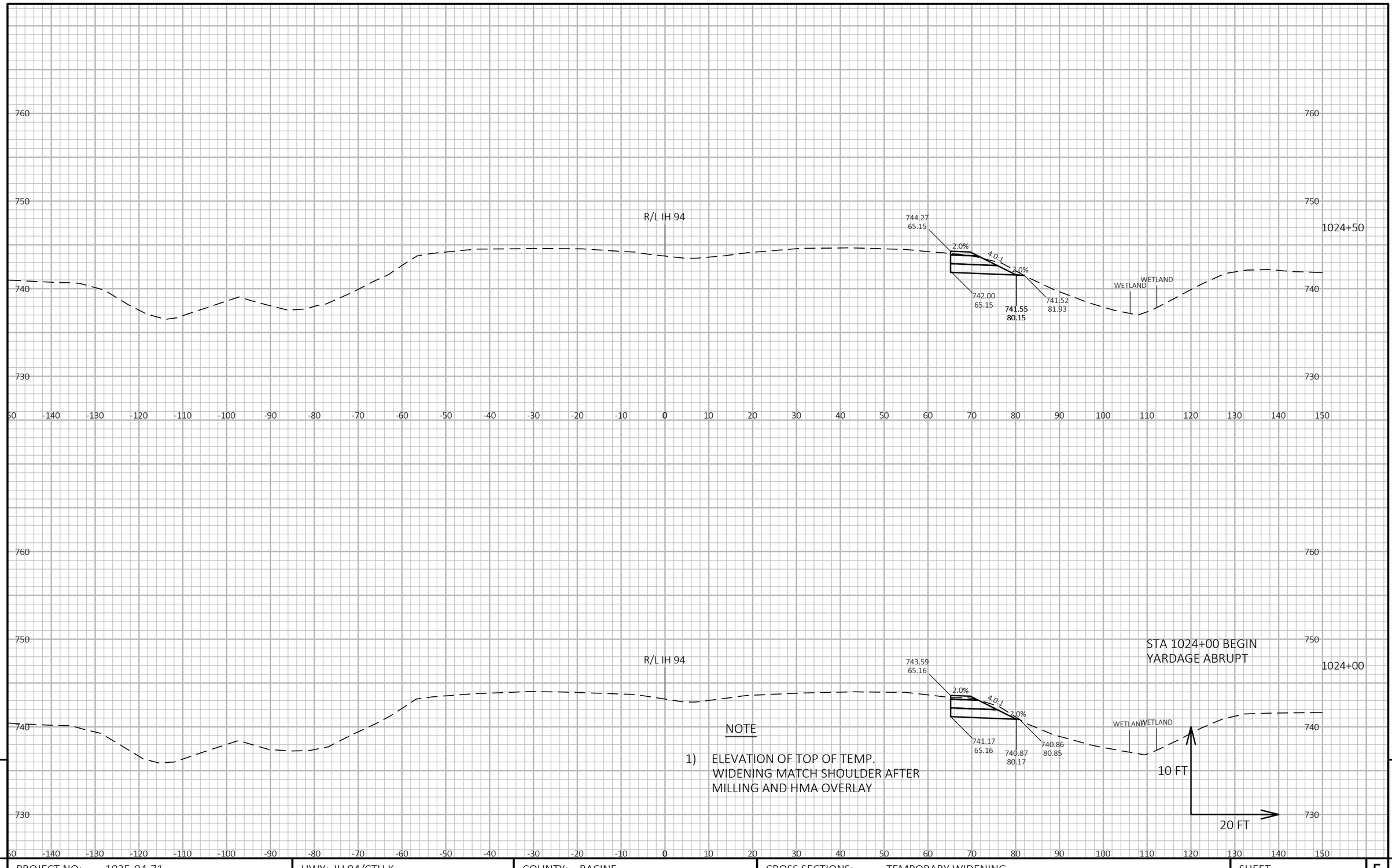
9

STA 1022+50 TO 1024+00

9

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	CROSS SECTIONS: IH 41 NB TEMPORARY WIDENING STAGE 1A	SHEET 505	E

FILE NAME : Z:\Racine\CADDS\WZ Prep_142-G\CDS\090204_xs_IH94NB_MN_S1A.dgn PLOT DATE : 12/11/2017 PLOT BY : james.buggs PLOT NAME : PLOT SCALE : 1:20



9

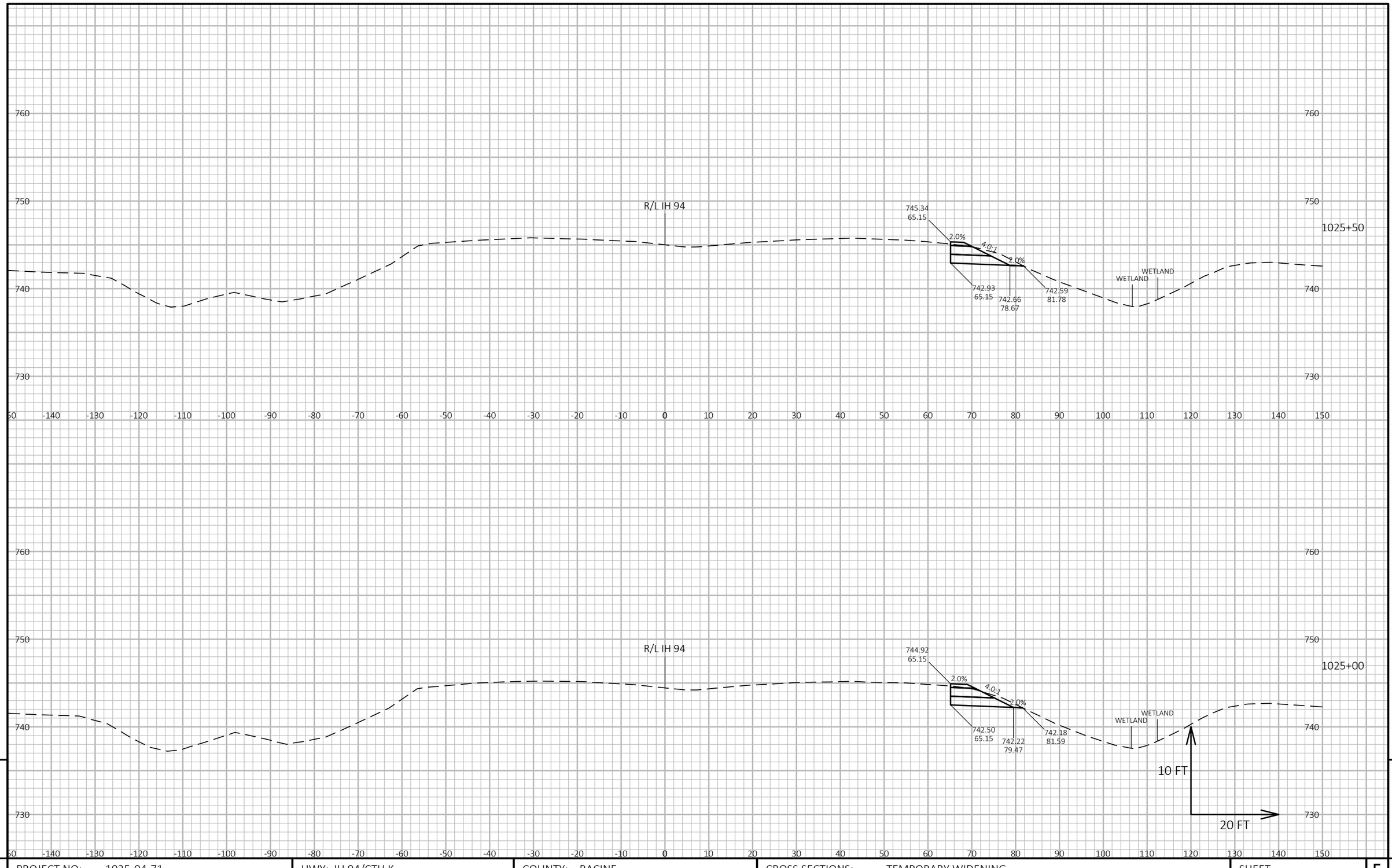
9

PROJECT NO: 1035-04-71	HWY: IH 94/CTH K	COUNTY: RACINE	CROSS SECTIONS: TEMPORARY WIDENING	SHEET 506	E

FILE NAME : X:\BM1-1644D CTH K\5_DESIGN\03_ROADS\10301172\SHEETSPLAN\090201-XS-IH 94-TEMPWIDENING-20H 10V.DWG
LAYOUT NAME - Section Sheet - (1)

PLOT DATE : 11/28/2017 9:40 AM PLOT BY : ANTHONY GULAN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



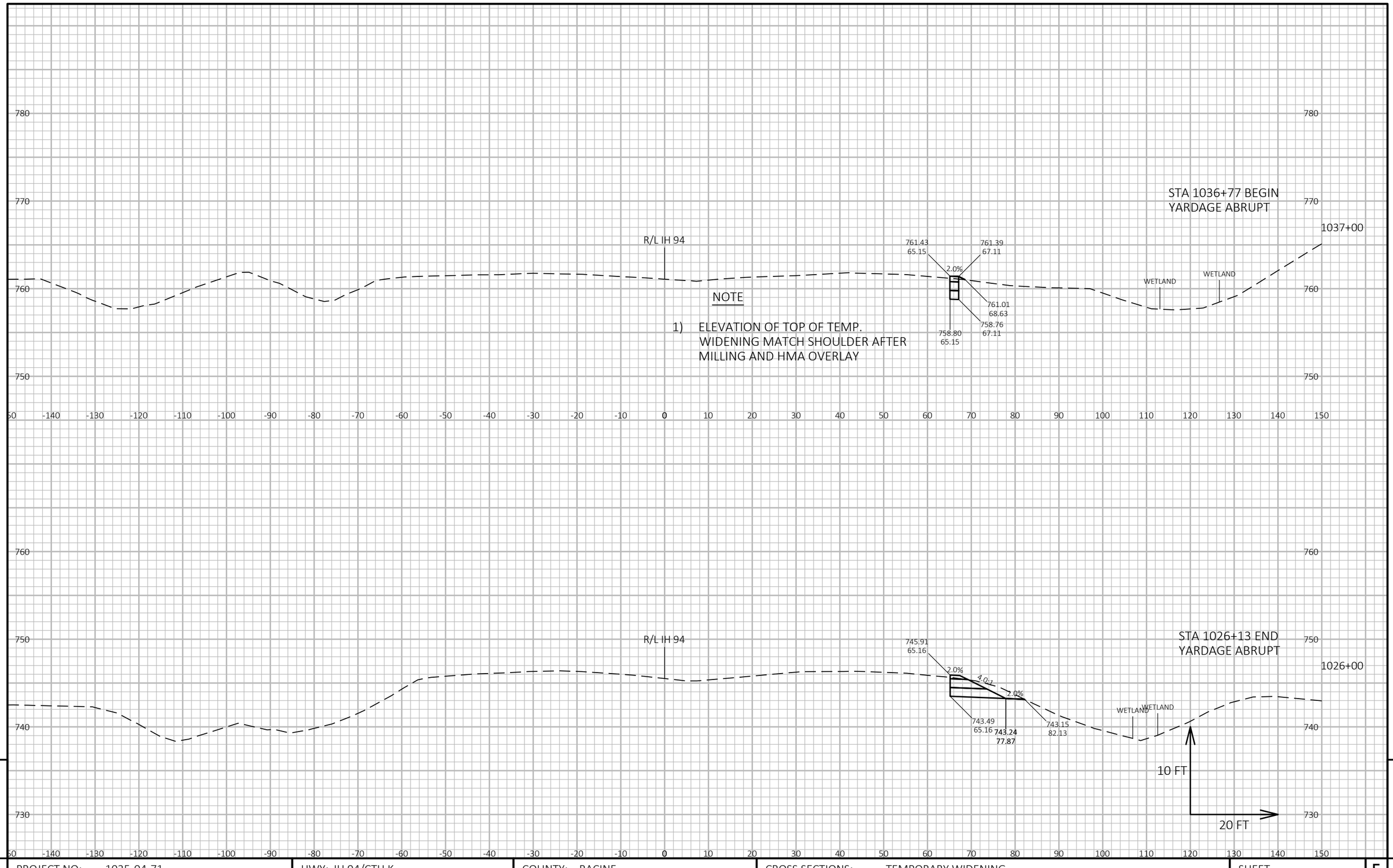
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PROJECT NO: 1035-04-71	HWY: IH 94/CTH K	COUNTY: RACINE	CROSS SECTIONS: TEMPORARY WIDENING	SHEET 507 E

FILE NAME : X:\BM1-1644D CTH K\5_DESIGN\03_ROADS\10301172\SHEETSPLAN\090201-XS-IH 94-TEMPWIDENING-20H 10V.DWG
LAYOUT NAME - Section Sheet - (2)

PLOT DATE : 11/28/2017 9:40 AM PLOT BY : ANTHONY GULAN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.



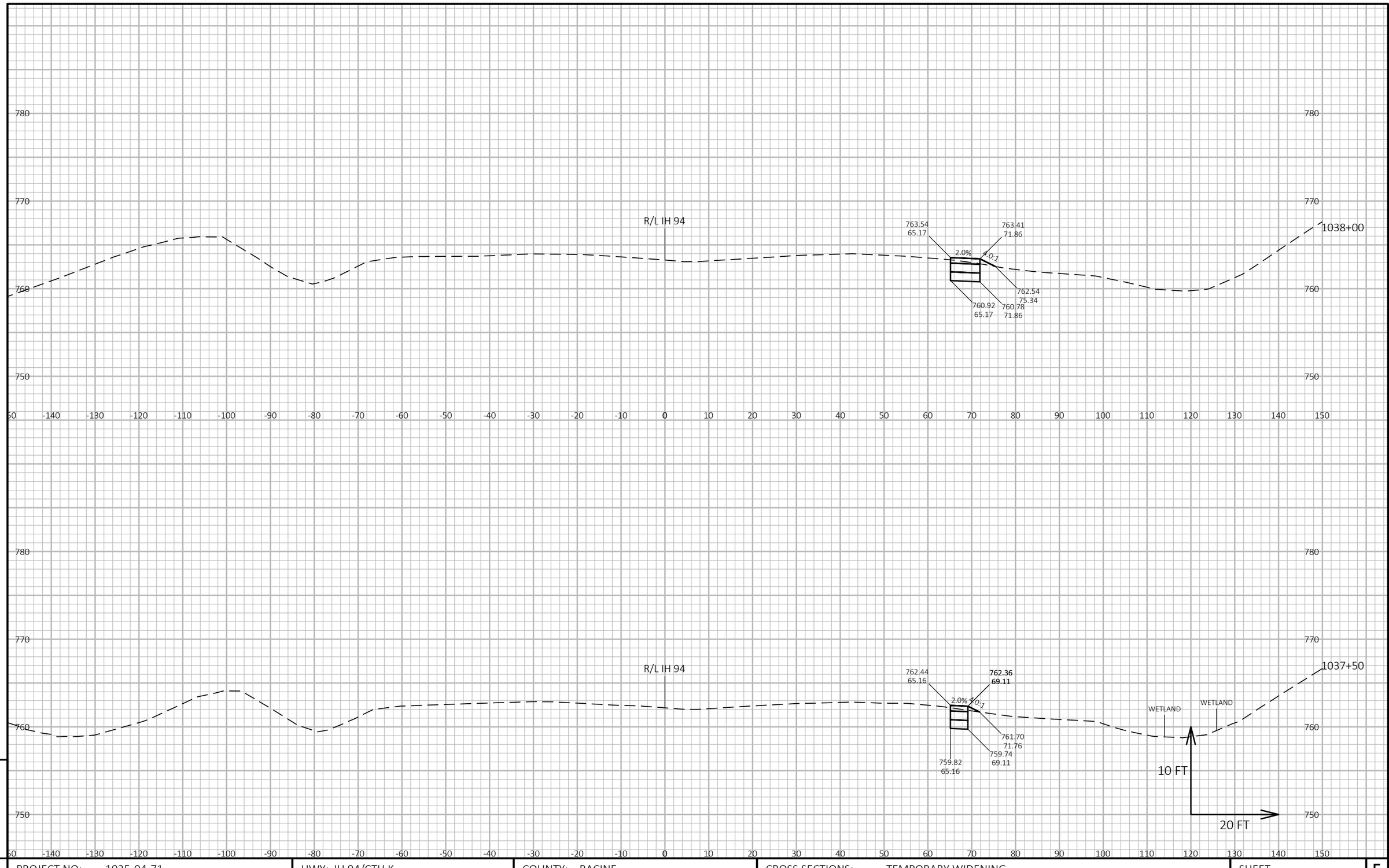
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9

PROJECT NO: 1035-04-71	HWY: IH 94/CTH K	COUNTY: RACINE	CROSS SECTIONS: TEMPORARY WIDENING	SHEET 508	E

FILE NAME : X:\BM1-1644D CTH K\5_DESIGN\03_ROADS\10301172\SHEETSPLAN\090201-XS-IH 94-TEMPWIDENING-20H 10V.DWG
LAYOUT NAME - Section Sheet - (3)

PLOT DATE : 11/28/2017 9:40 AM PLOT BY : ANTHONY GULAN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

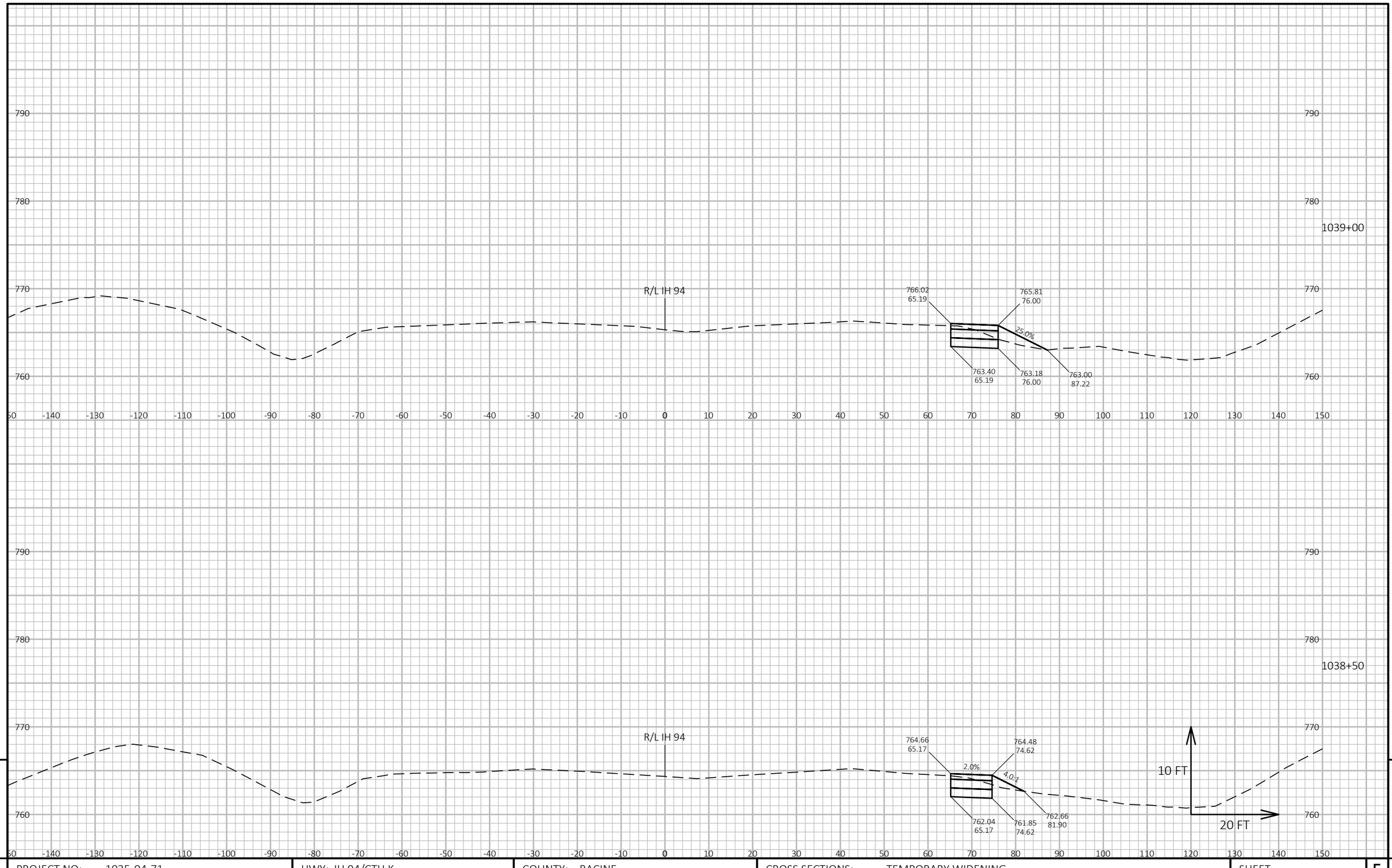


PROJECT NO: 1035-04-71	HWY: IH 94/CTH K	COUNTY: RACINE	CROSS SECTIONS: TEMPORARY WIDENING	SHEET 509 E

FILE NAME : X:\BM1-1644D CTH K\5_DESIGN\03_ROADS\10301172\SHEETSPLAN\090201-XS-IH 94-TEMPWIDENING-20H 10V.DWG
LAYOUT NAME - Section Sheet - (4)

PLOT DATE : 11/28/2017 9:40 AM PLOT BY : ANTHONY GULAN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

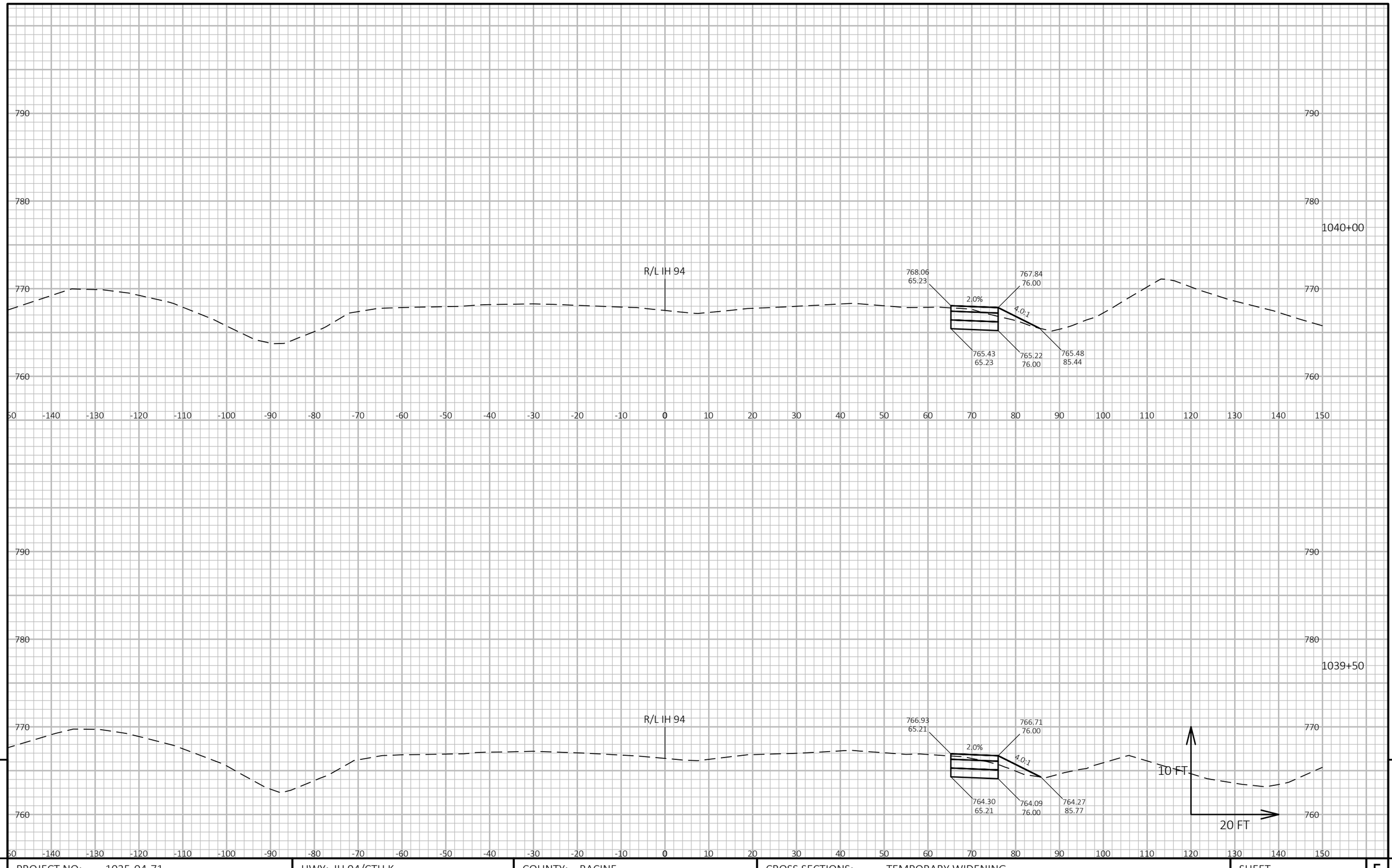
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PROJECT NO: 1035-04-71	HWY: IH 94/CTH K	COUNTY: RACINE	CROSS SECTIONS: TEMPORARY WIDENING	SHEET 510	E

FILE NAME : X:\BM1-1644D CTH K\5_DESIGN\03_ROADS\10301172\SHEETSPLAN\090201-XS-IH 94-TEMPWIDENING-20H 10V.DWG
LAYOUT NAME - Section Sheet - (5)

PLOT DATE : 11/28/2017 9:40 AM PLOT BY : ANTHONY GULAN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

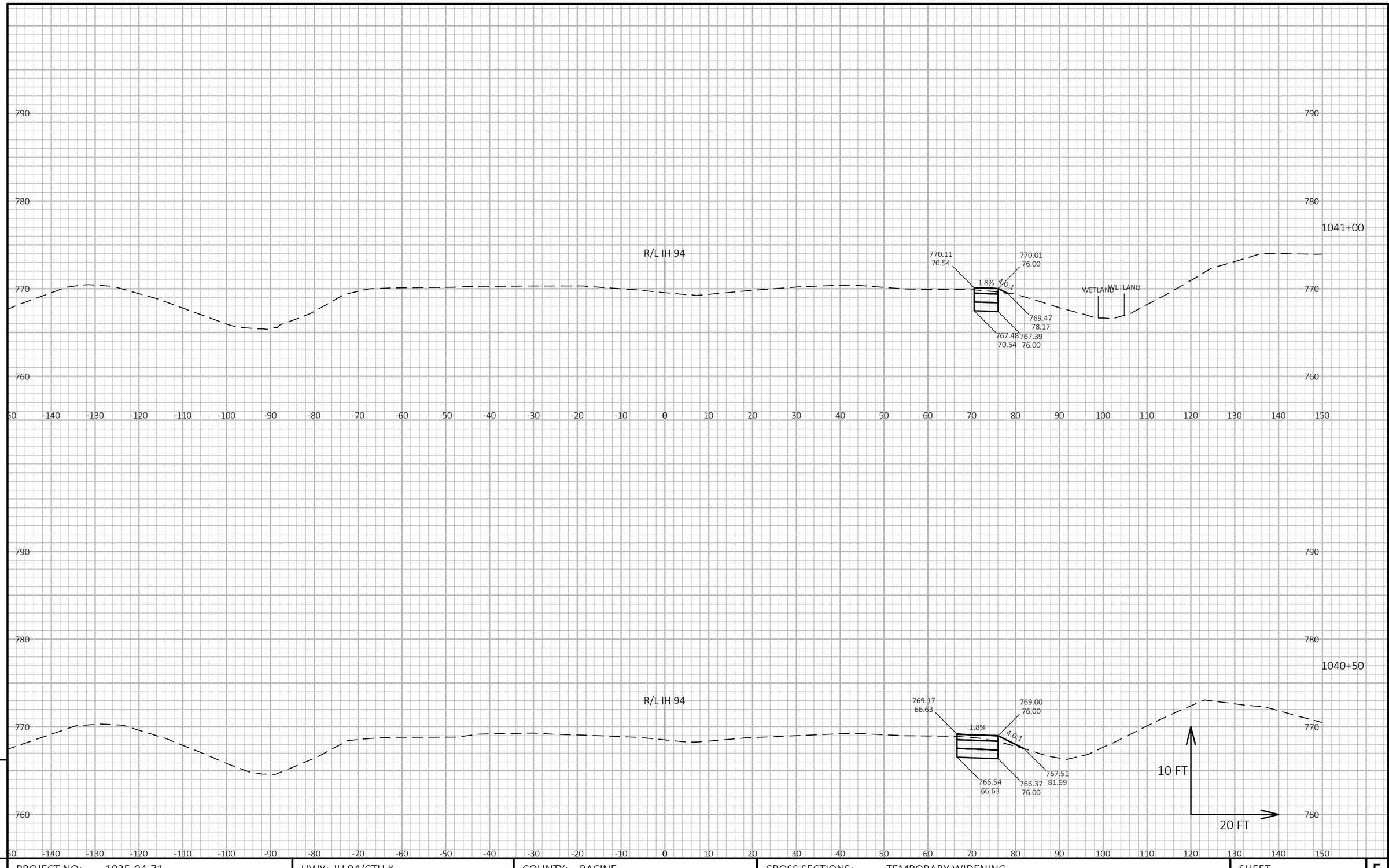


9 9

PROJECT NO: 1035-04-71	HWY: IH 94/CTH K	COUNTY: RACINE	CROSS SECTIONS: TEMPORARY WIDENING	SHEET 511	E

FILE NAME : X:\BM1-1644D CTH K\5_DESIGN\03_ROADS\10301172\SHEETSPLAN\090201-XS-IH 94-TEMPWIDENING-20H 10V.DWG
LAYOUT NAME - Section Sheet - (6)

PLOT DATE : 11/28/2017 9:40 AM PLOT BY : ANTHONY GULAN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

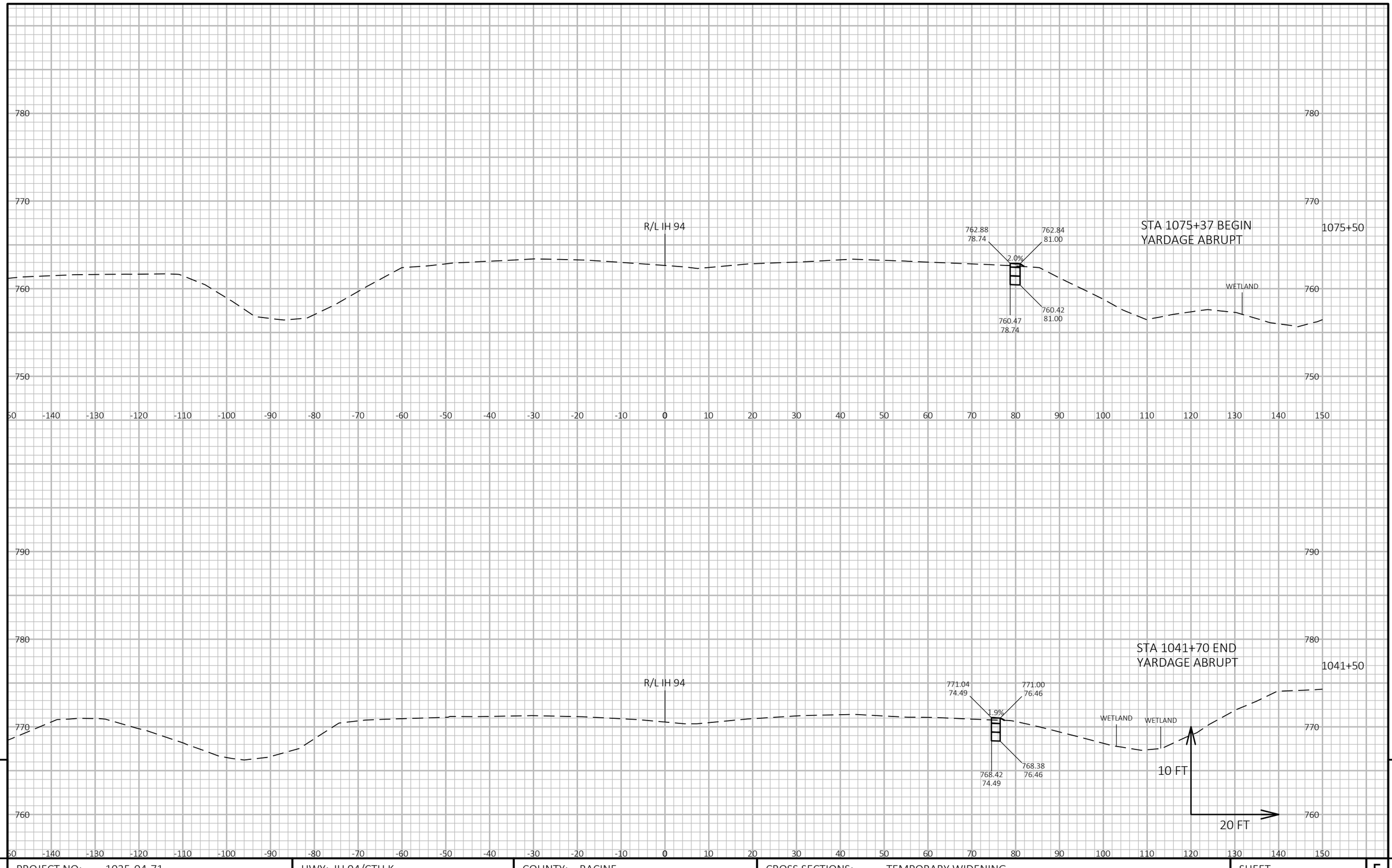


PROJECT NO: 1035-04-71	HWY: IH 94/CTH K	COUNTY: RACINE	CROSS SECTIONS: TEMPORARY WIDENING	SHEET 512 E

FILE NAME : X:\BM1-1644D CTH K\5_DESIGN\03_ROADS\10301172\SHEETSPLAN\090201-XS-IH 94-TEMPWIDENING-20H 10V.DWG
LAYOUT NAME - Section Sheet - (7)

PLOT DATE : 11/28/2017 9:40 AM PLOT BY : ANTHONY GULAN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



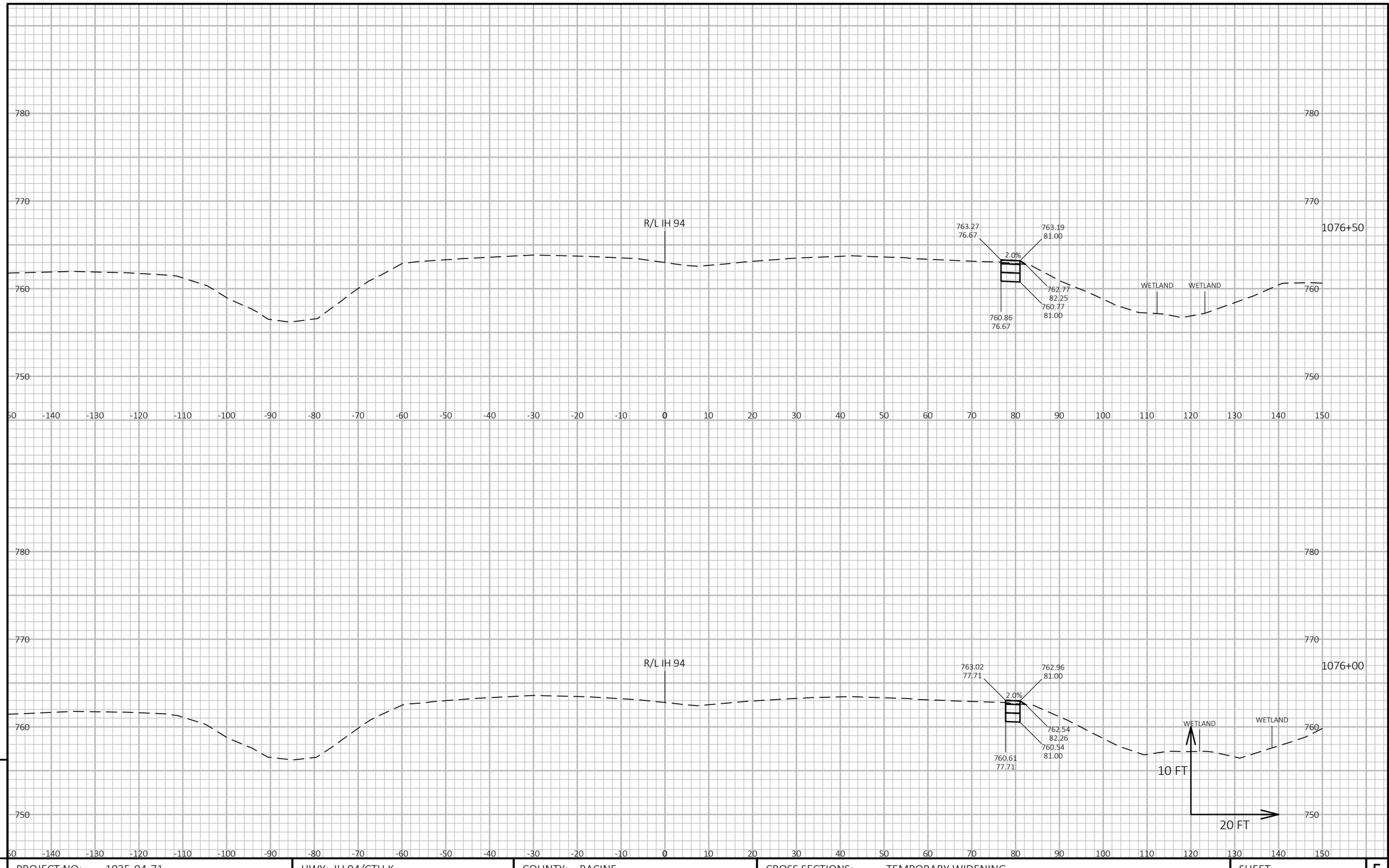
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9

PROJECT NO: 1035-04-71	HWY: IH 94/CTH K	COUNTY: RACINE	CROSS SECTIONS: TEMPORARY WIDENING	SHEET 513	E

FILE NAME : X:\BM1-1644D CTH K\5_DESIGN\03_ROADS\10301172\SHEETSPLAN\090201-XS-IH 94-TEMPWIDENING-20H 10V.DWG
LAYOUT NAME - Section Sheet - (8)

PLOT DATE : 11/28/2017 9:41 AM PLOT BY : ANTHONY GULAN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.



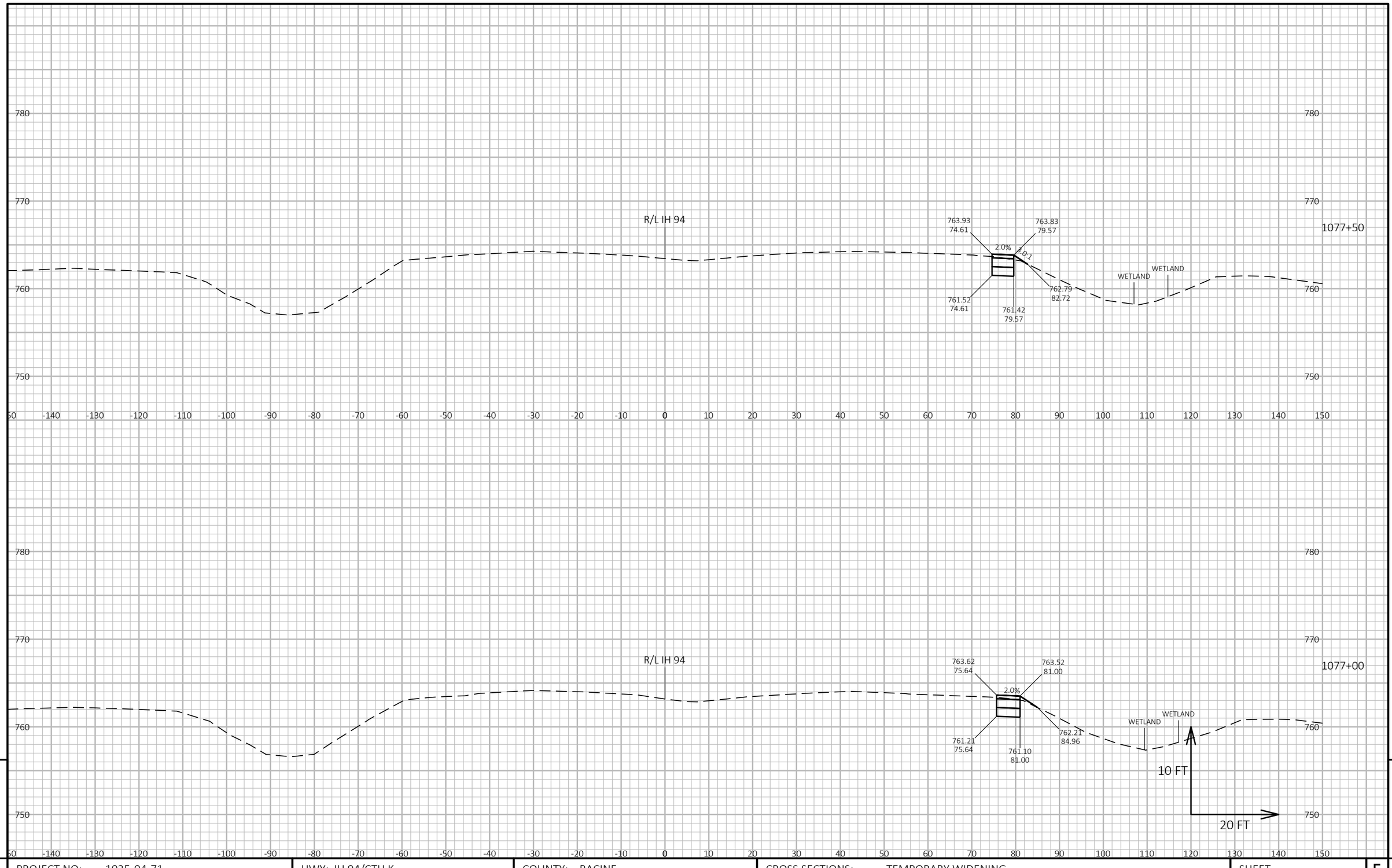
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PROJECT NO: 1035-04-71	HWY: IH 94/CTH K	COUNTY: RACINE	CROSS SECTIONS: TEMPORARY WIDENING	SHEET 514	E

FILE NAME : X:\BM1-1644D CTH K\5_DESIGN\03_ROADS\10301172\SHEETSPLAN\090201-XS-IH 94-TEMPWIDENING-20H 10V.DWG
LAYOUT NAME - Section Sheet - (9)

PLOT DATE : 11/28/2017 9:41 AM PLOT BY : ANTHONY GULAN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.



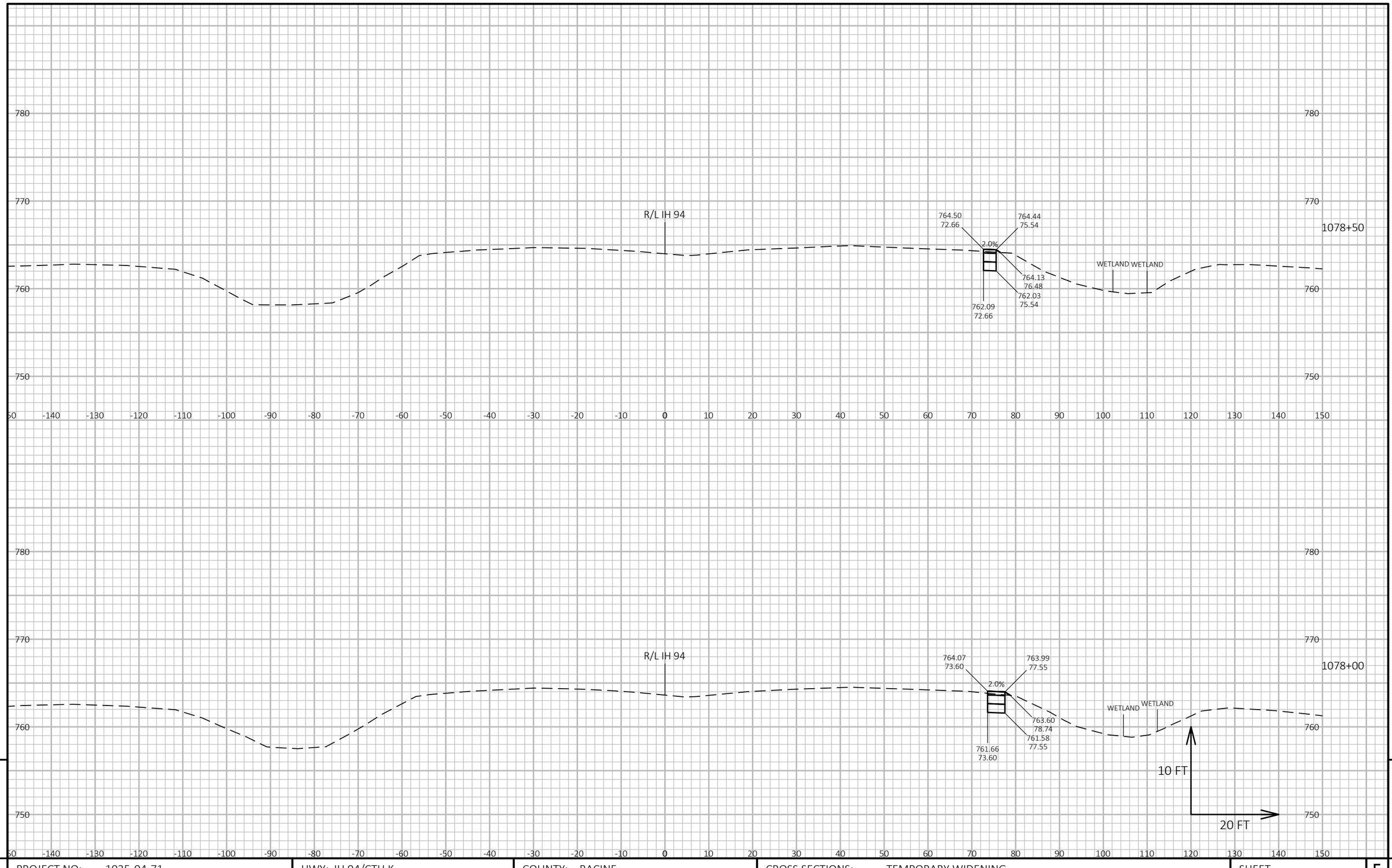
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PROJECT NO: 1035-04-71	HWY: IH 94/CTH K	COUNTY: RACINE	CROSS SECTIONS: TEMPORARY WIDENING	SHEET 515	E

FILE NAME : X:\BM1-1644D CTH K\5_DESIGN\03_ROADS\10301172\SHEETSPLAN\090201-XS-IH 94-TEMPWIDENING-20H 10V.DWG
LAYOUT NAME - Section Sheet - (10)

PLOT DATE : 11/28/2017 9:41 AM PLOT BY : ANTHONY GULAN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.



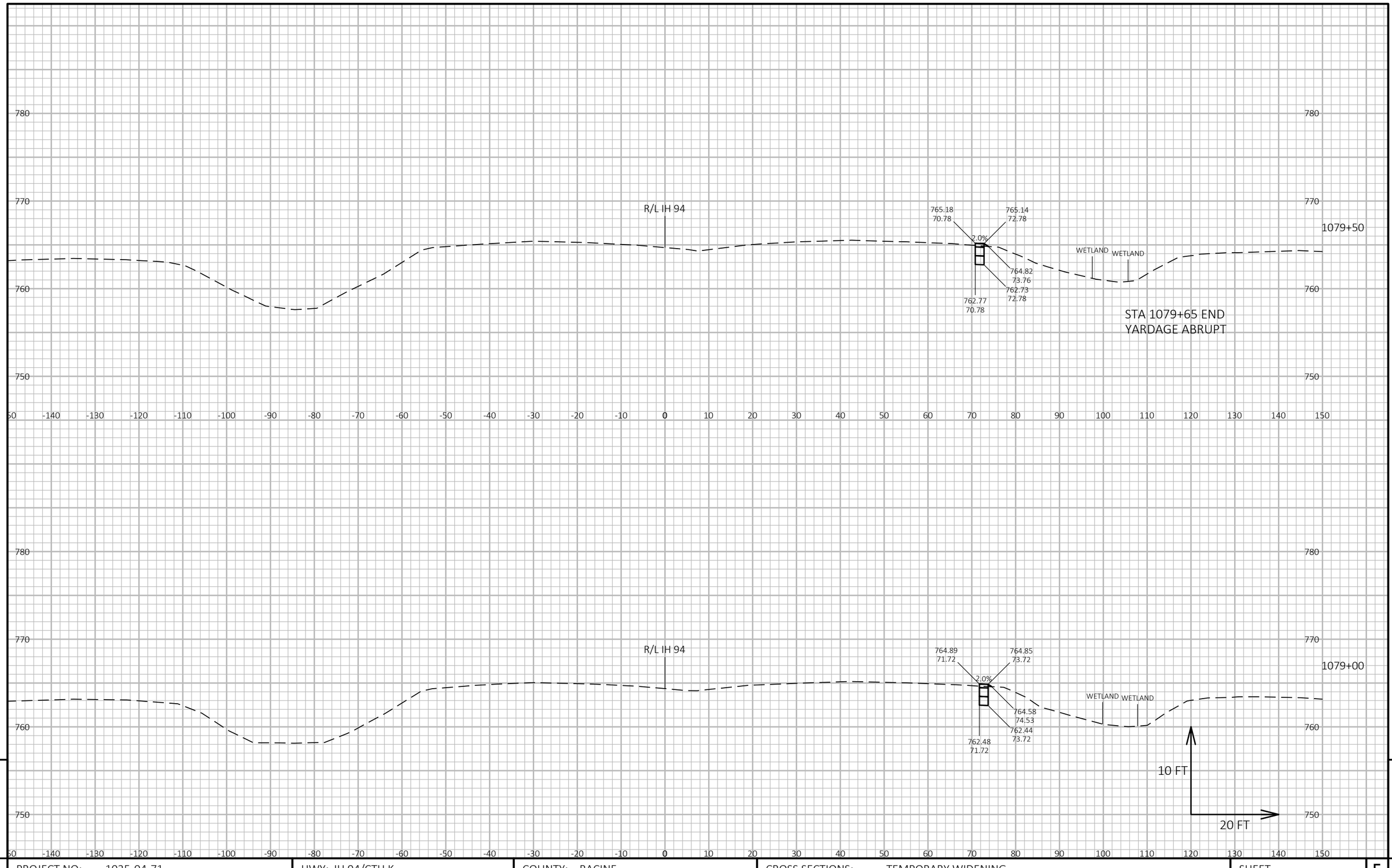
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PROJECT NO: 1035-04-71	HWY: IH 94/CTH K	COUNTY: RACINE	CROSS SECTIONS: TEMPORARY WIDENING	SHEET 516 E

FILE NAME : X:\BM1-1644D CTH K\5_DESIGN\03_ROADS\10301172\SHEETSPLAN\090201-XS-IH 94-TEMPWIDENING-20H 10V.DWG
LAYOUT NAME - Section Sheet - (11)

PLOT DATE : 11/28/2017 9:41 AM PLOT BY : ANTHONY GULAN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.



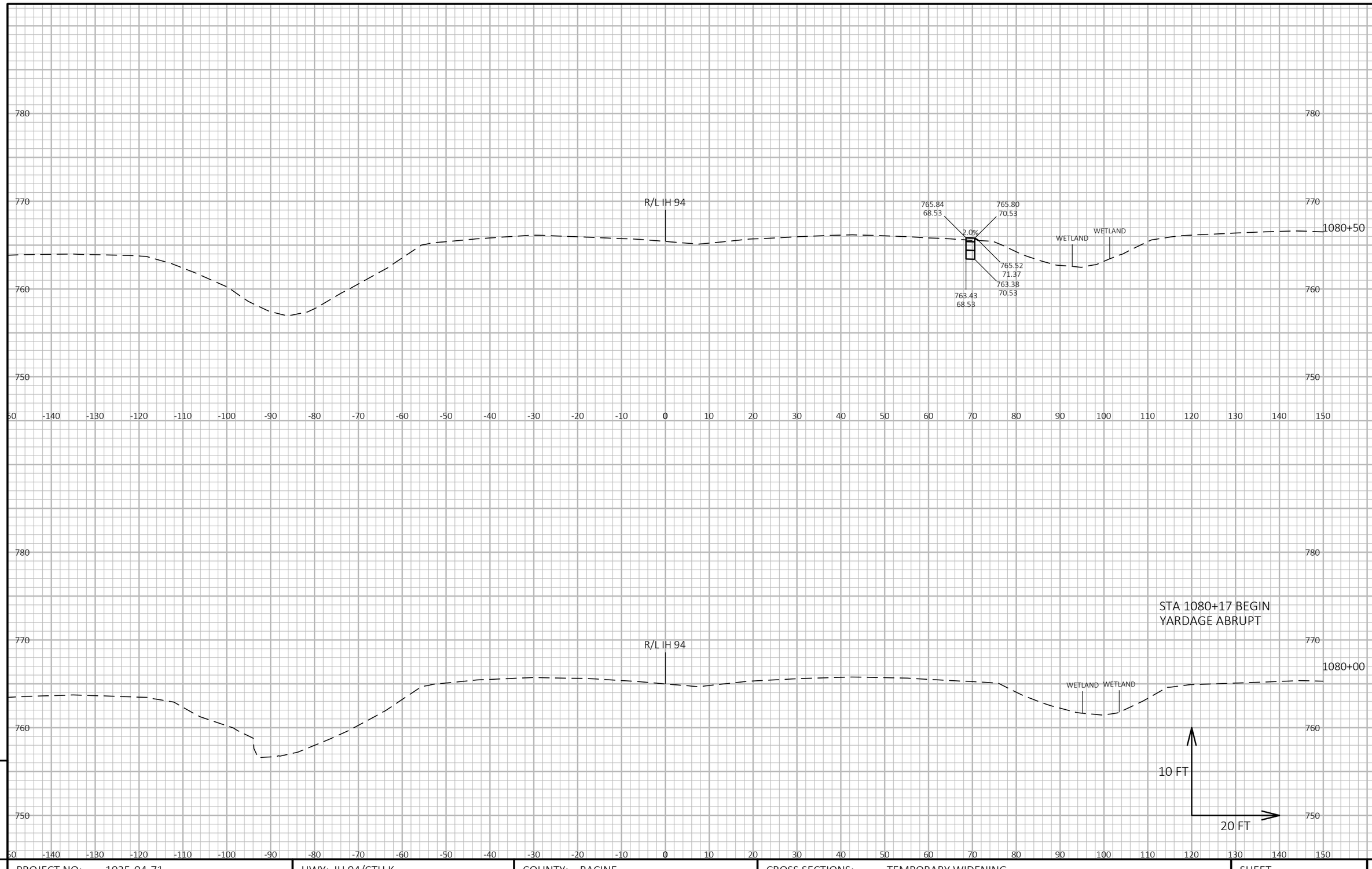
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PROJECT NO: 1035-04-71	HWY: IH 94/CTH K	COUNTY: RACINE	CROSS SECTIONS: TEMPORARY WIDENING	SHEET 517	E

FILE NAME : X:\BM1-1644D CTH K\5_DESIGN\03_ROADS\10301172\SHEETSPLAN\090201-XS-IH 94-TEMPWIDENING-20H 10V.DWG
LAYOUT NAME - Section Sheet - (12)

PLOT DATE : 11/28/2017 9:41 AM PLOT BY : ANTHONY GULAN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.



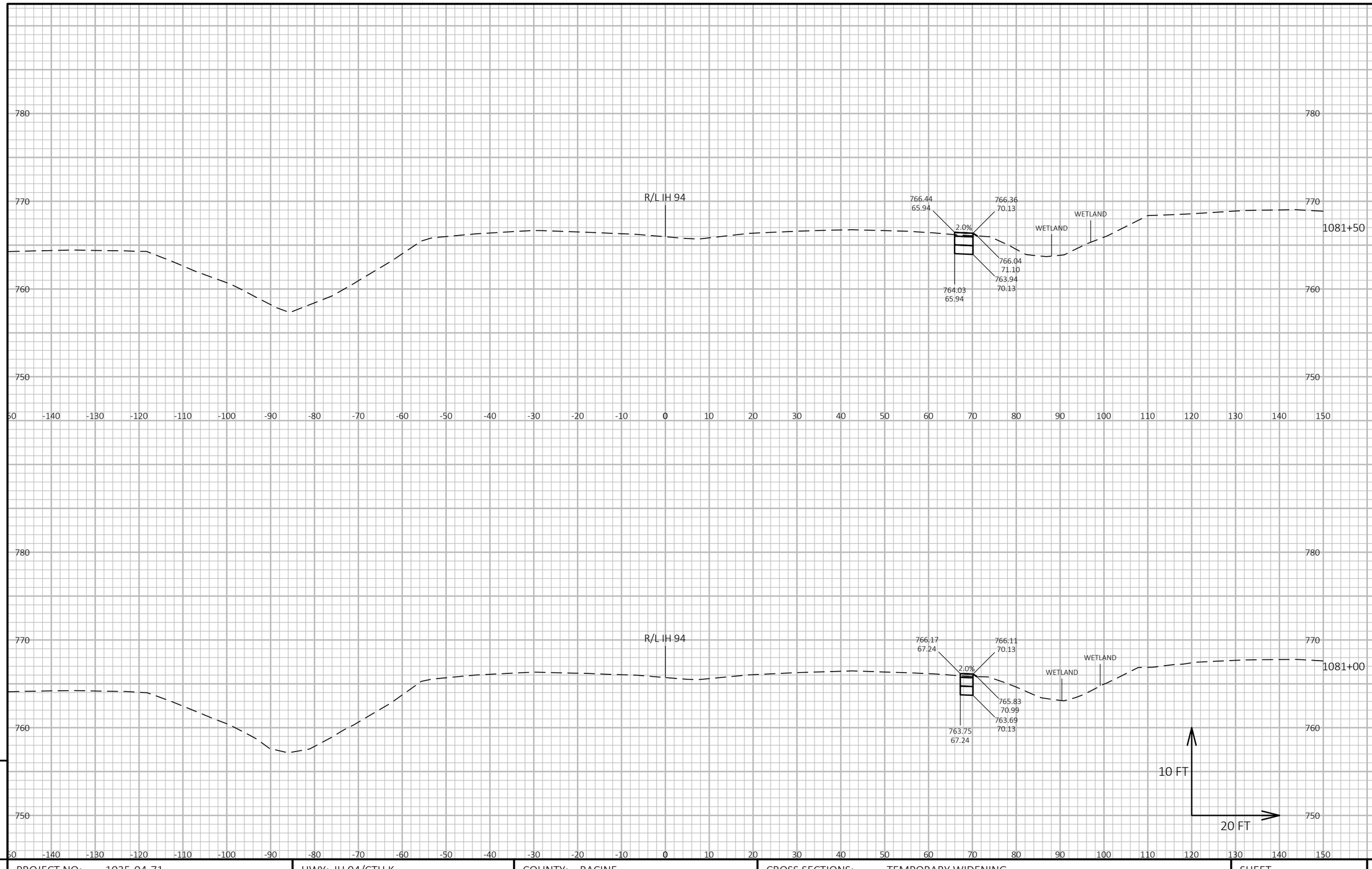
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PROJECT NO: 1035-04-71	HWY: IH 94/CTH K	COUNTY: RACINE	CROSS SECTIONS: TEMPORARY WIDENING	SHEET 518	E

FILE NAME : X:\BM1-1644D CTH K\5_DESIGN\03_ROADS\10301172\SHEETSPLAN\090201-XS-IH 94-TEMPWIDENING-20H 10V.DWG
LAYOUT NAME - Section Sheet - (13)

PLOT DATE : 11/28/2017 9:41 AM PLOT BY : ANTHONY GULAN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.



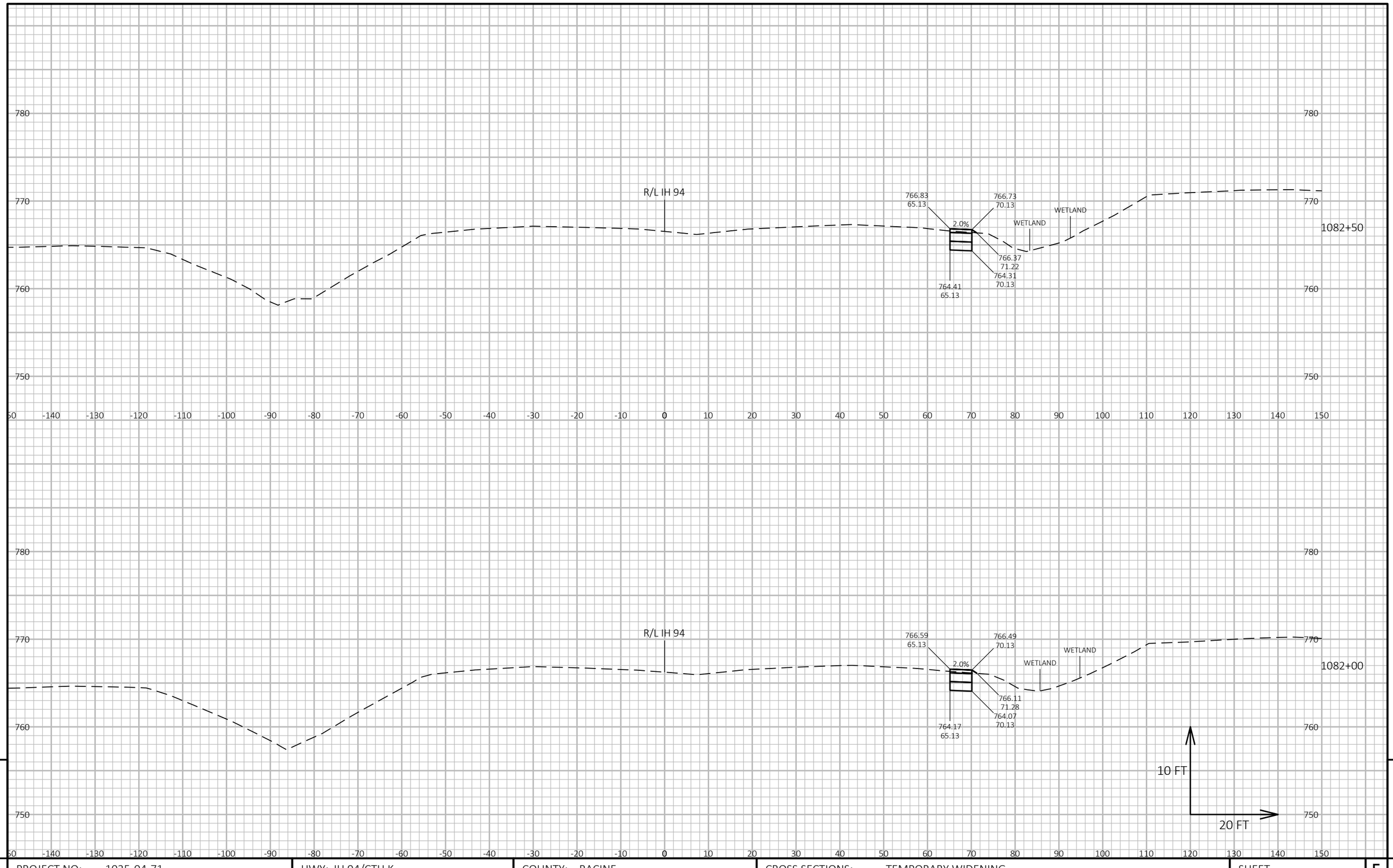
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PROJECT NO: 1035-04-71	HWY: IH 94/CTH K	COUNTY: RACINE	CROSS SECTIONS: TEMPORARY WIDENING	SHEET 519	E

FILE NAME : X:\BM1-1644D CTH K\5_DESIGN\03_ROADS\10301172\SHEETSPLAN\090201-XS-IH 94-TEMPWIDENING-20H 10V.DWG
LAYOUT NAME - Section Sheet - (14)

PLOT DATE : 11/28/2017 9:41 AM PLOT BY : ANTHONY GULAN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.



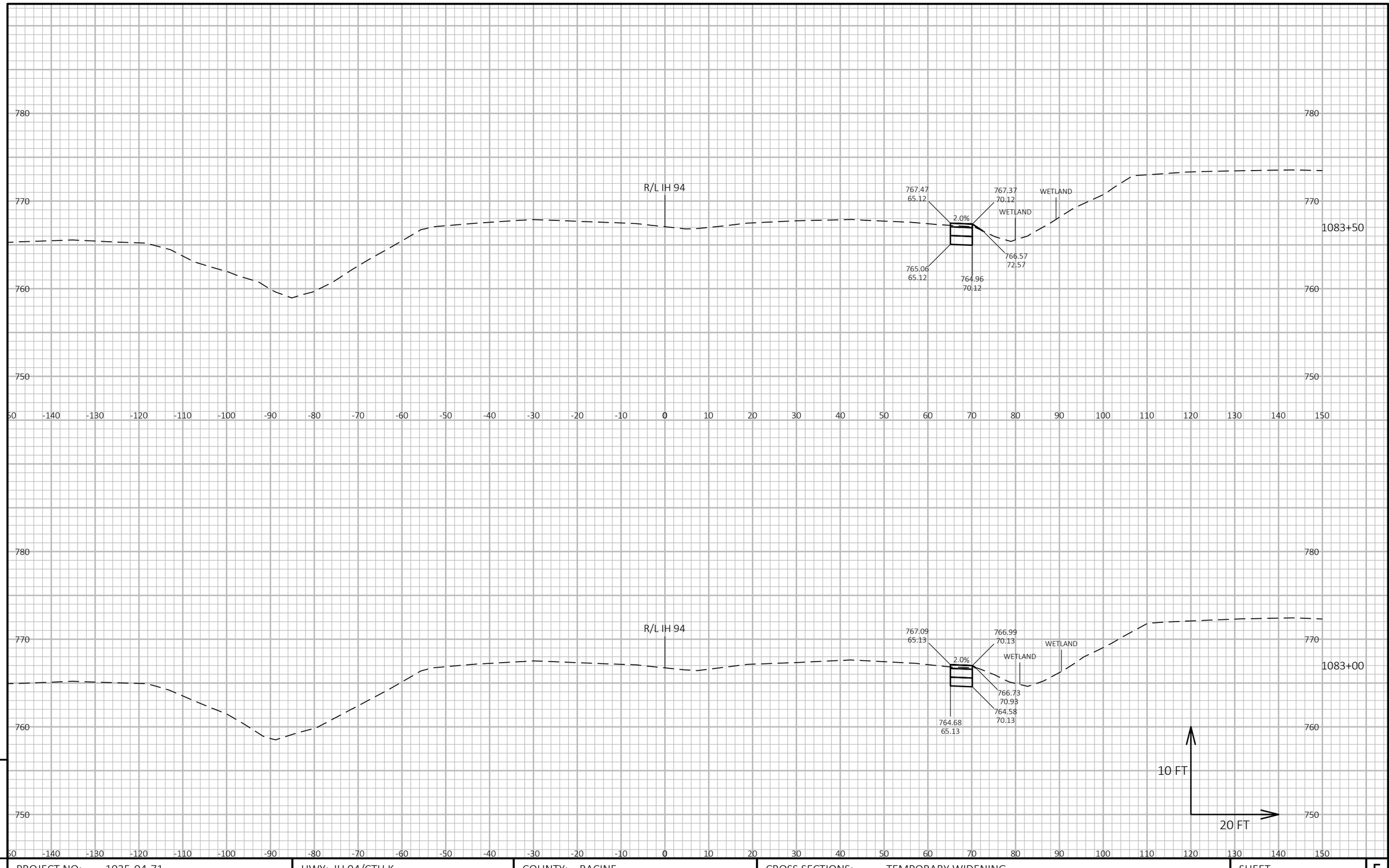
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PROJECT NO: 1035-04-71	HWY: IH 94/CTH K	COUNTY: RACINE	CROSS SECTIONS: TEMPORARY WIDENING	SHEET 520	E

FILE NAME : X:\BM1-1644D CTH K\5_DESIGN\03_ROADS\10301172\SHEETSPLAN\090201-XS-IH 94-TEMPWIDENING-20H 10V.DWG
LAYOUT NAME - Section Sheet - (15)

PLOT DATE : 11/28/2017 9:41 AM PLOT BY : ANTHONY GULAN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.



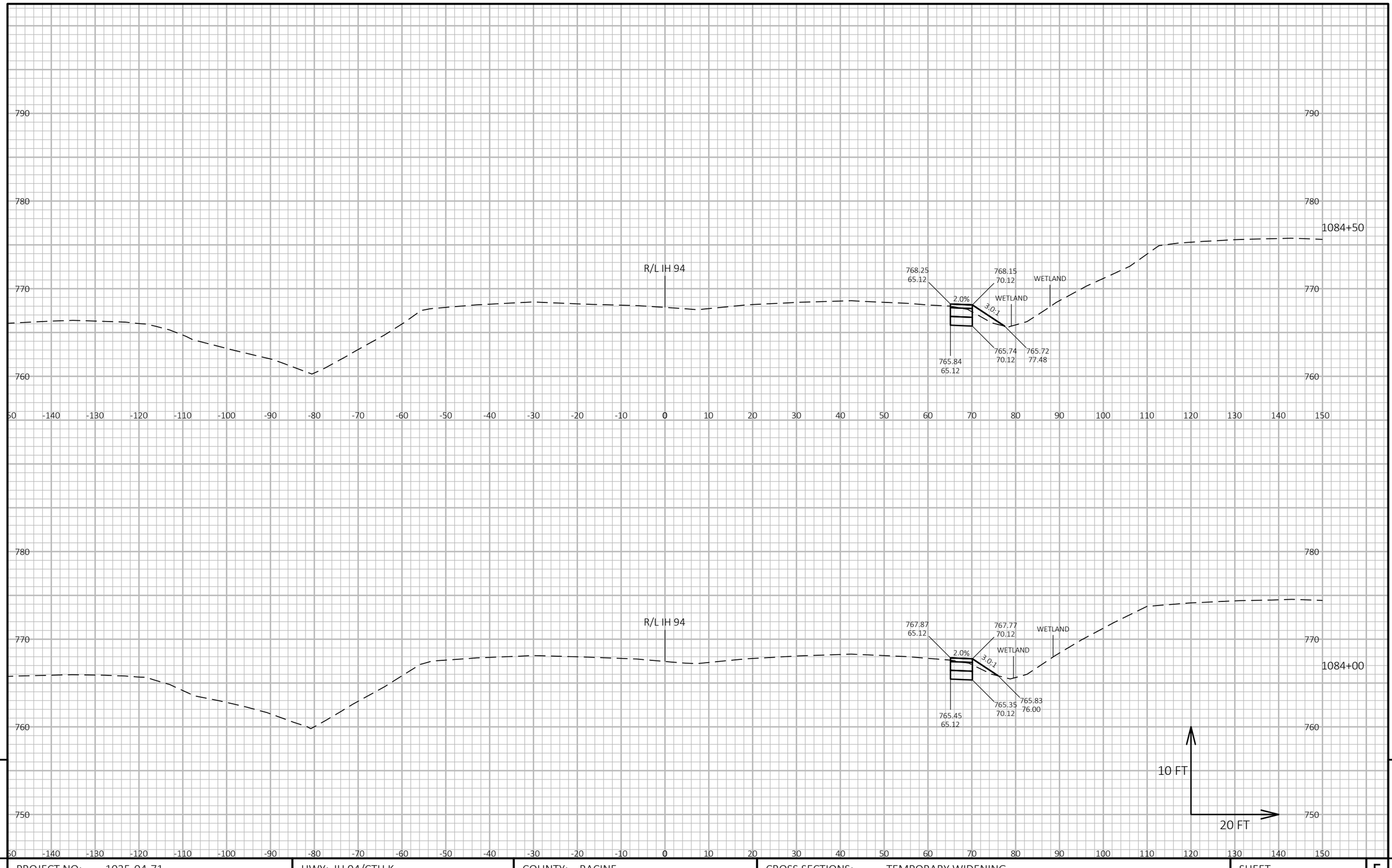
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PROJECT NO: 1035-04-71	HWY: IH 94/CTH K	COUNTY: RACINE	CROSS SECTIONS: TEMPORARY WIDENING	SHEET 521	E

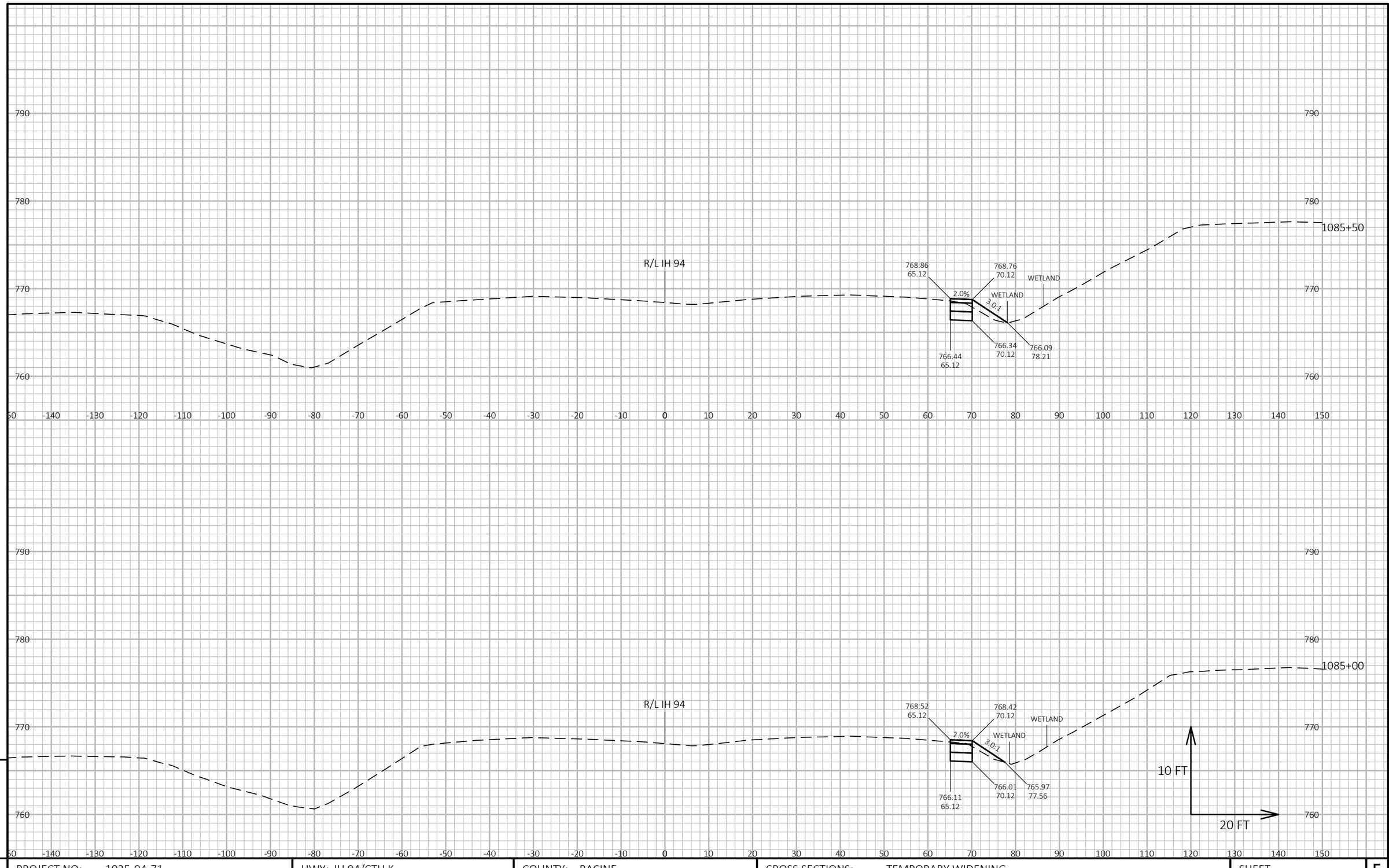
FILE NAME : X:\BM1-1644D CTH K\5_DESIGN\03_ROADS\10301172\SHEETSPLAN\090201-XS-IH 94-TEMPWIDENING-20H 10V.DWG
LAYOUT NAME - Section Sheet - (16)

PLOT DATE : 11/28/2017 9:42 AM PLOT BY : ANTHONY GULAN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.



PROJECT NO: 1035-04-71	HWY: IH 94/CTH K	COUNTY: RACINE	CROSS SECTIONS: TEMPORARY WIDENING	SHEET 522 E

FILE NAME : X:\BM1-1644D CTH K\5_DESIGN\03_ROADS\10301172\SHEETSPLAN\090201-XS-IH 94-TEMPWIDENING-20H 10V.DWG
LAYOUT NAME - Section Sheet - (17)
PLOT DATE : 11/28/2017 9:42 AM
PLOT BY : ANTHONY GULAN
PLOT NAME :
PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.
WISDOT/CADDS SHEET 49



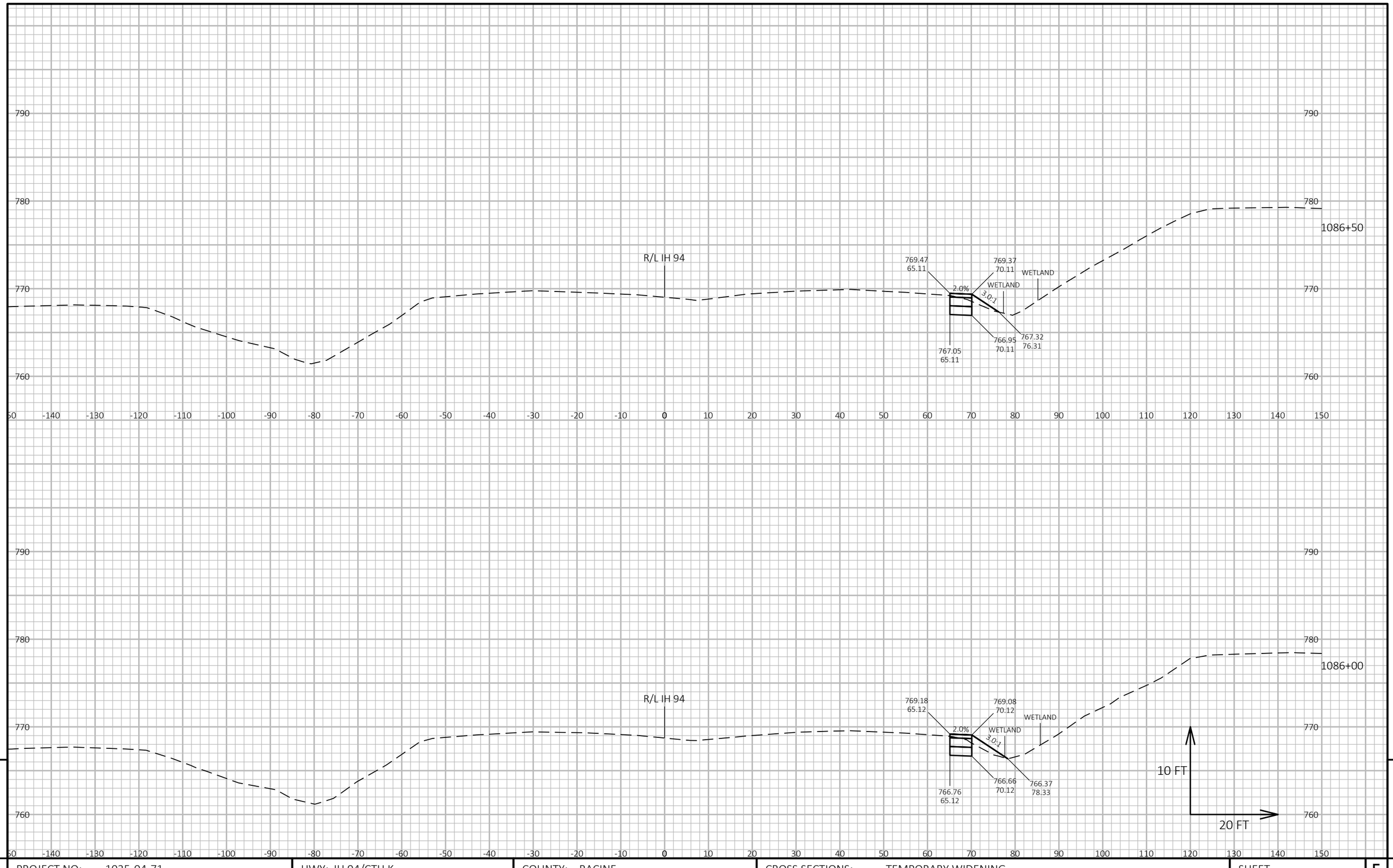
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PROJECT NO: 1035-04-71	HWY: IH 94/CTH K	COUNTY: RACINE	CROSS SECTIONS: TEMPORARY WIDENING	SHEET 523	E

FILE NAME : X:\BM1-1644D CTH K\5_DESIGN\03_ROADS\10301172\SHEETSPLAN\090201-XS-IH 94-TEMPWIDENING-20H 10V.DWG
LAYOUT NAME - Section Sheet - (18)

PLOT DATE : 11/28/2017 9:42 AM PLOT BY : ANTHONY GULAN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

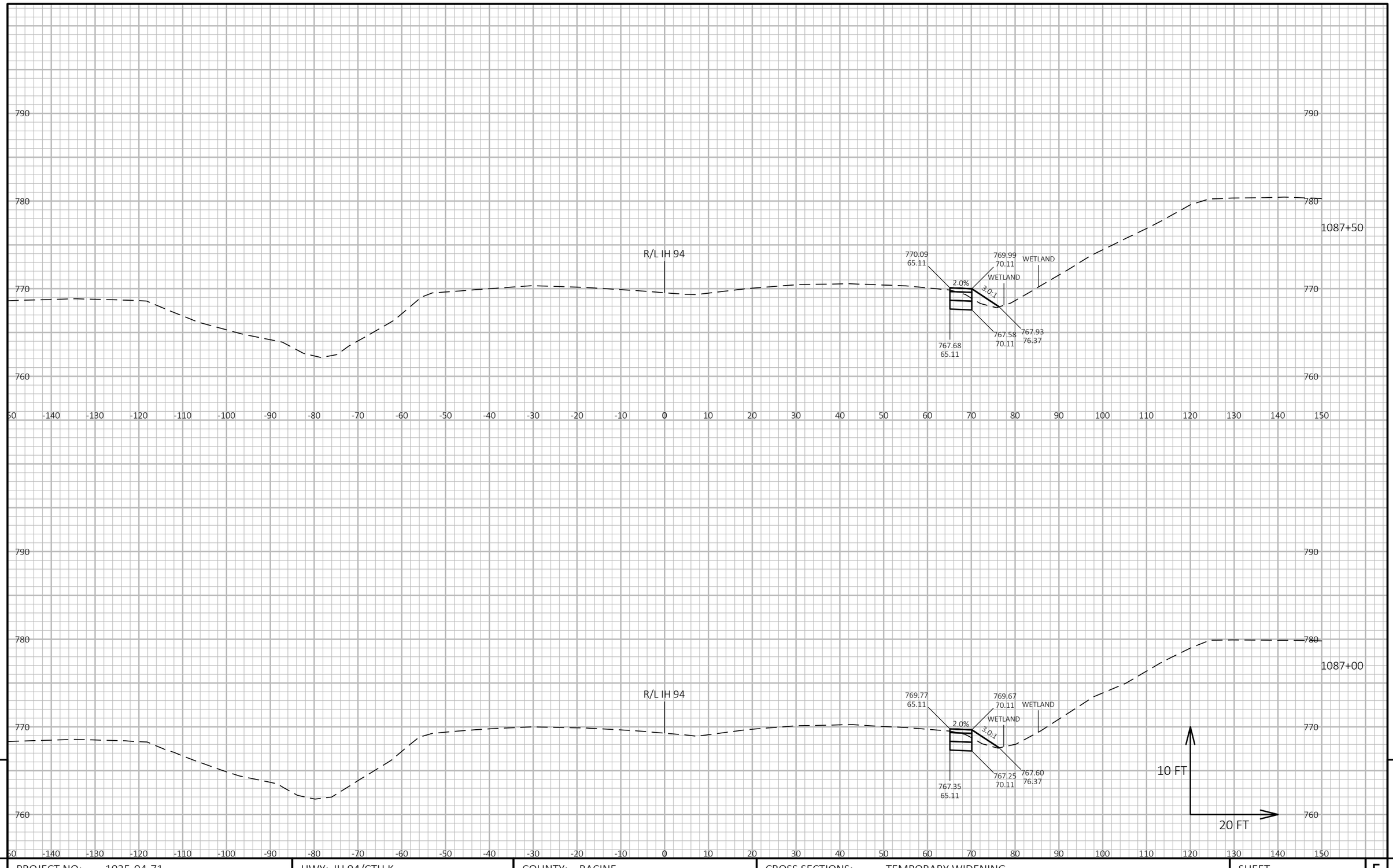


9 9

PROJECT NO: 1035-04-71	HWY: IH 94/CTH K	COUNTY: RACINE	CROSS SECTIONS: TEMPORARY WIDENING	SHEET 524 E

FILE NAME : X:\BM1-1644D CTH K\5_DESIGN\03_ROADS\10301172\SHEETSPLAN\090201-XS-IH 94-TEMPWIDENING-20H 10V.DWG
LAYOUT NAME - Section Sheet - (19)

PLOT DATE : 11/28/2017 9:42 AM PLOT BY : ANTHONY GULAN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

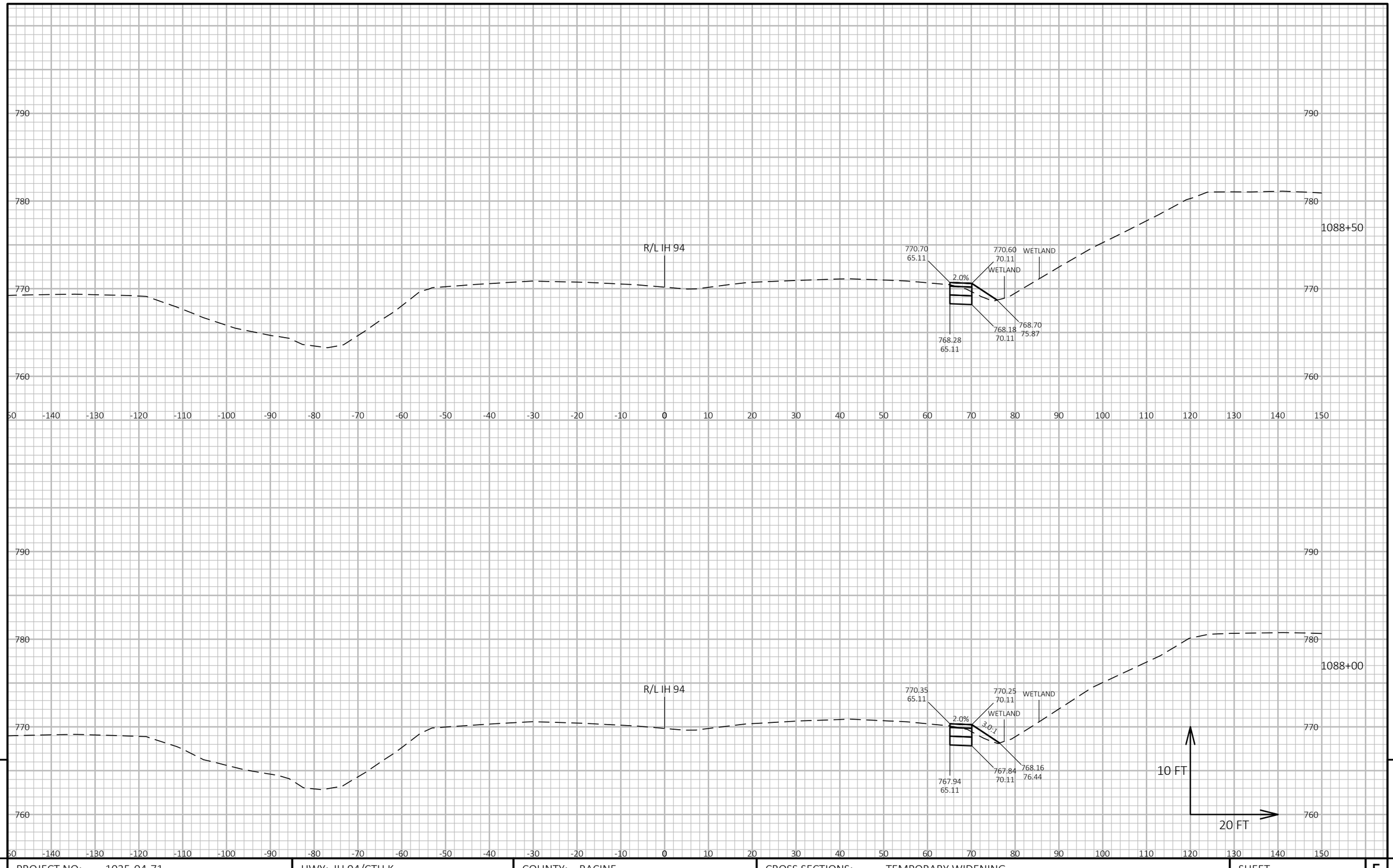


9 9

PROJECT NO: 1035-04-71	HWY: IH 94/CTH K	COUNTY: RACINE	CROSS SECTIONS: TEMPORARY WIDENING	SHEET 525 E

FILE NAME : X:\BM1-1644D CTH K\5_DESIGN\03_ROADS\10301172\SHEETSPLAN\090201-XS-IH 94-TEMPWIDENING-20H 10V.DWG
LAYOUT NAME - Section Sheet - (20)

PLOT DATE : 11/28/2017 9:42 AM PLOT BY : ANTHONY GULAN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

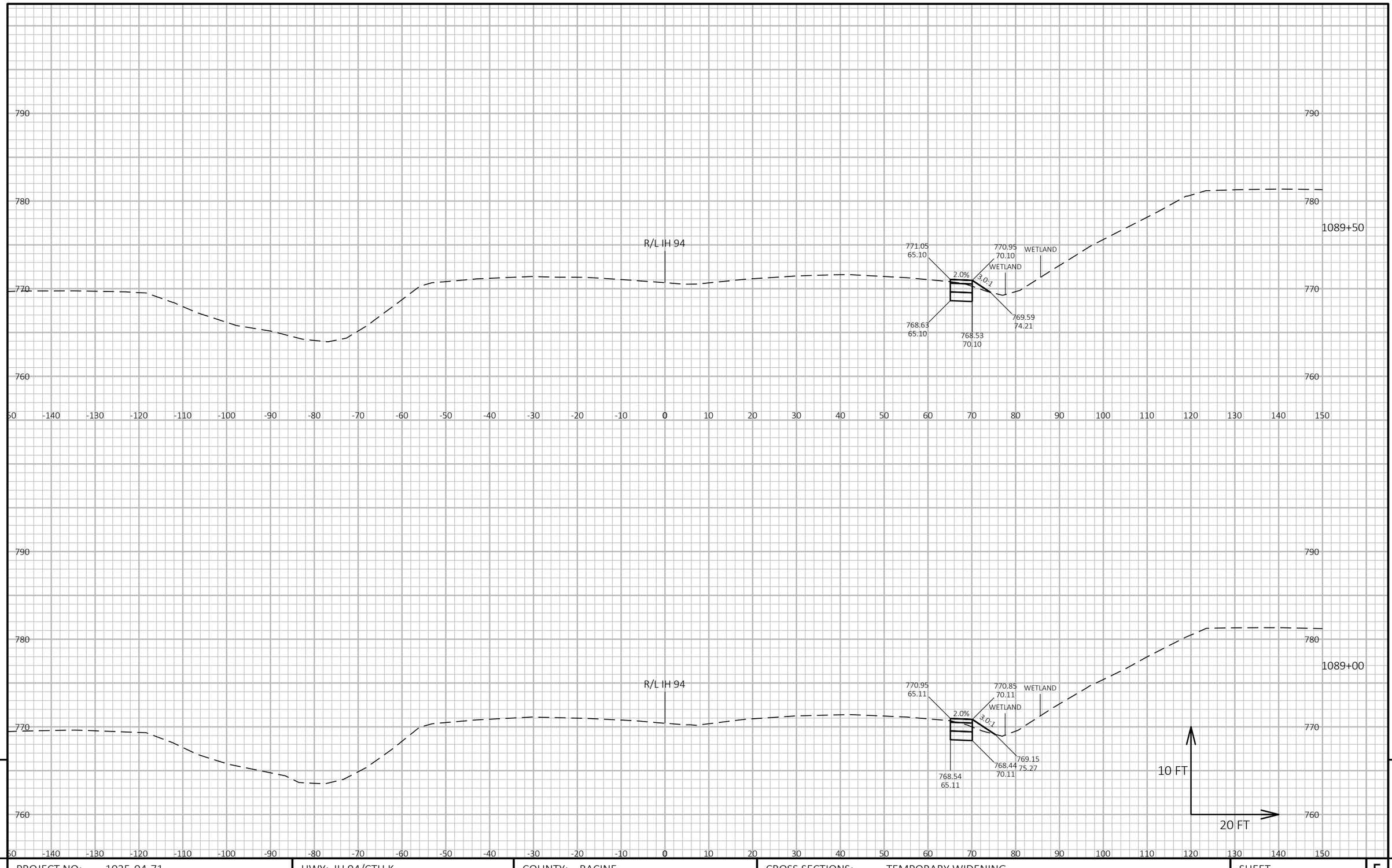


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PROJECT NO: 1035-04-71	HWY: IH 94/CTH K	COUNTY: RACINE	CROSS SECTIONS: TEMPORARY WIDENING	SHEET 526 E

FILE NAME : X:\BM1-1644D CTH K\5_DESIGN\03_ROADS\10301172\SHEETSPLAN\090201-XS-IH 94-TEMPWIDENING-20H 10V.DWG
LAYOUT NAME - Section Sheet - (21)

PLOT DATE : 11/28/2017 9:42 AM PLOT BY : ANTHONY GULAN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.



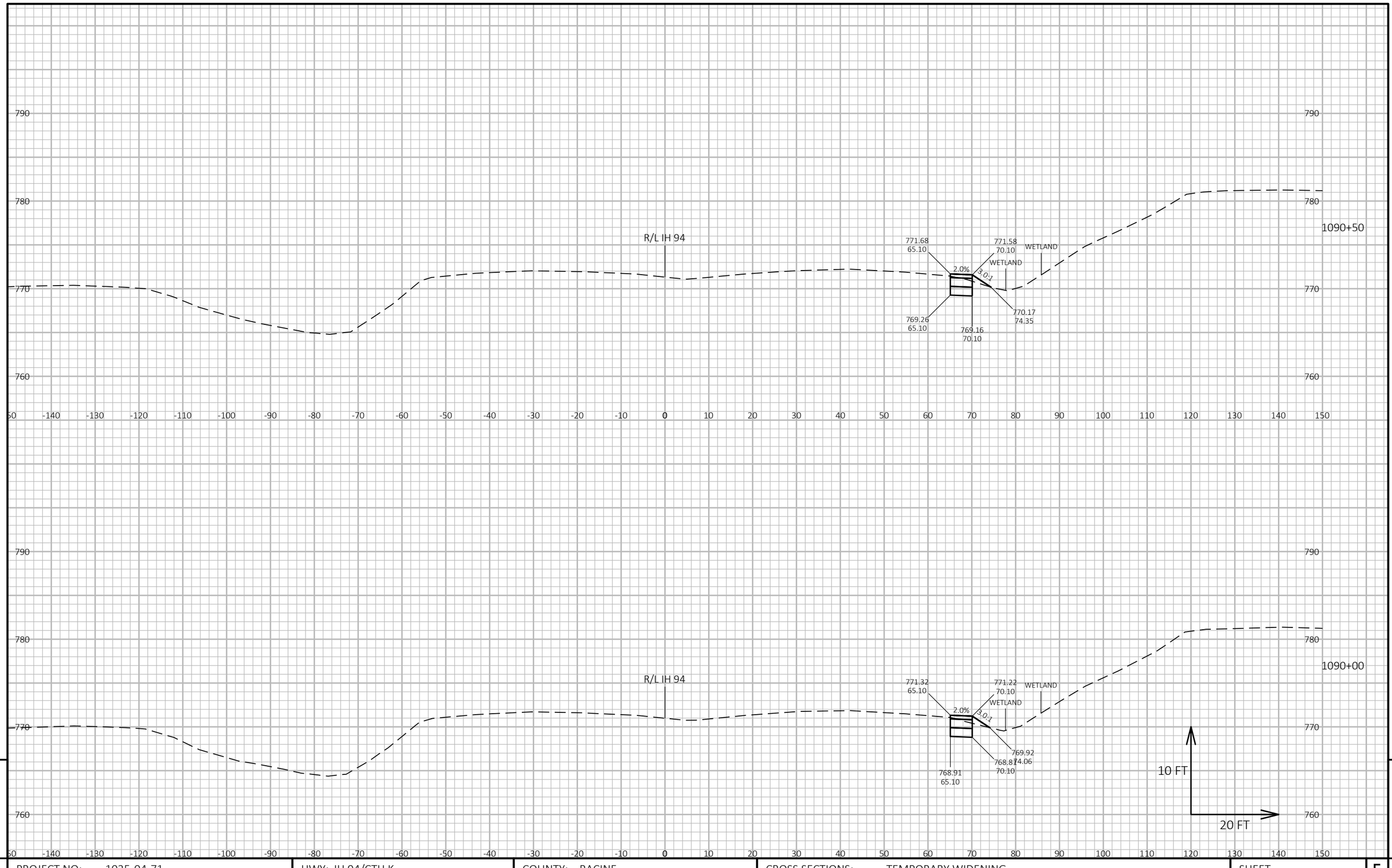
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PROJECT NO: 1035-04-71	HWY: IH 94/CTH K	COUNTY: RACINE	CROSS SECTIONS: TEMPORARY WIDENING	SHEET 527	E

FILE NAME : X:\BM1-1644D CTH K\5_DESIGN\03_ROADS\10301172\SHEETSPLAN\090201-XS-IH 94-TEMPWIDENING-20H 10V.DWG
LAYOUT NAME - Section Sheet - (22)

PLOT DATE : 11/28/2017 9:42 AM PLOT BY : ANTHONY GULAN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.



9

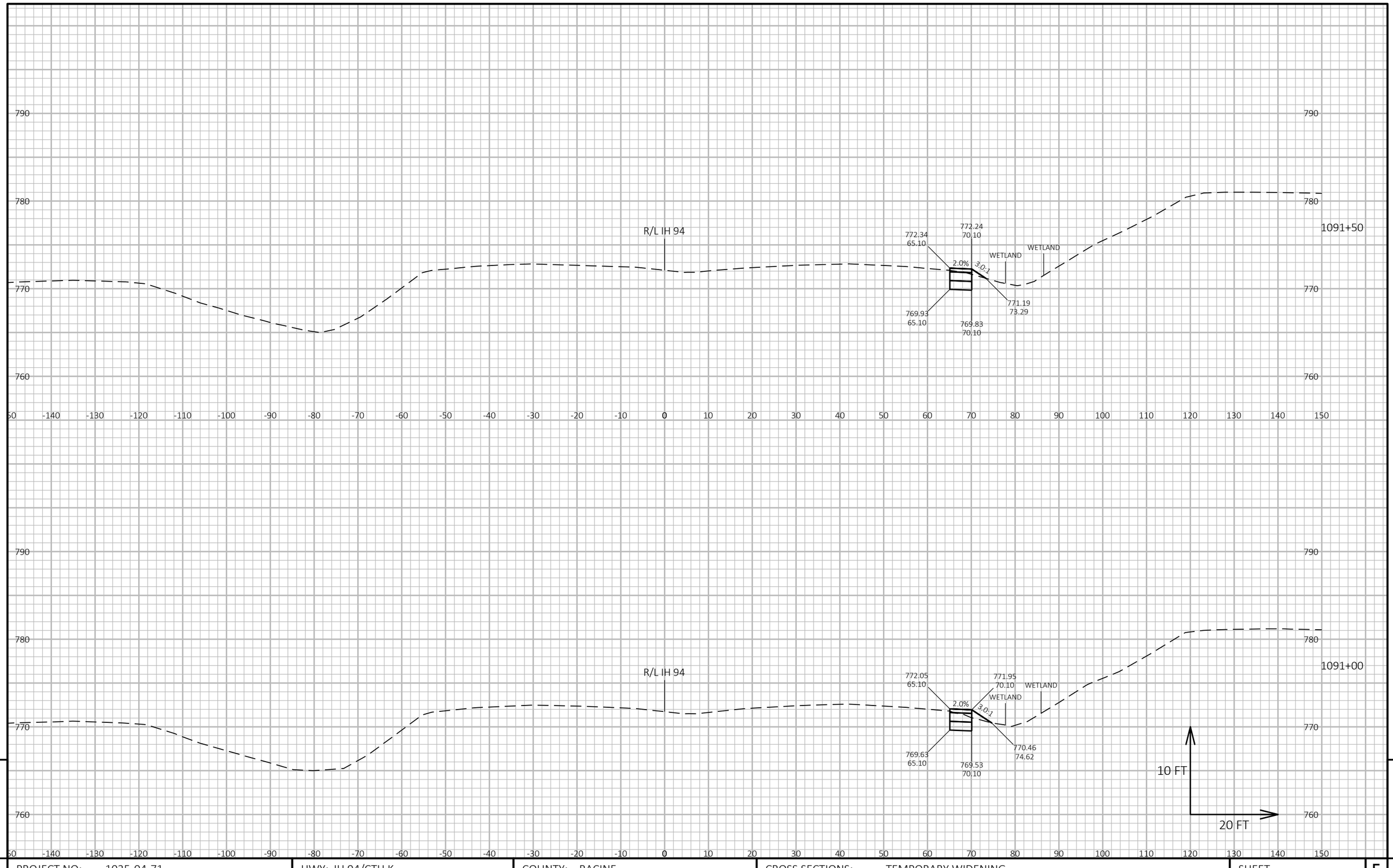
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PROJECT NO: 1035-04-71	HWY: IH 94/CTH K	COUNTY: RACINE	CROSS SECTIONS: TEMPORARY WIDENING	SHEET 528	E

FILE NAME : X:\BM1-1644D CTH K\5_DESIGN\03_ROADS\10301172\SHEETSPLAN\090201-XS-IH 94-TEMPWIDENING-20H 10V.DWG
LAYOUT NAME - Section Sheet - (23)

PLOT DATE : 11/28/2017 9:42 AM PLOT BY : ANTHONY GULAN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



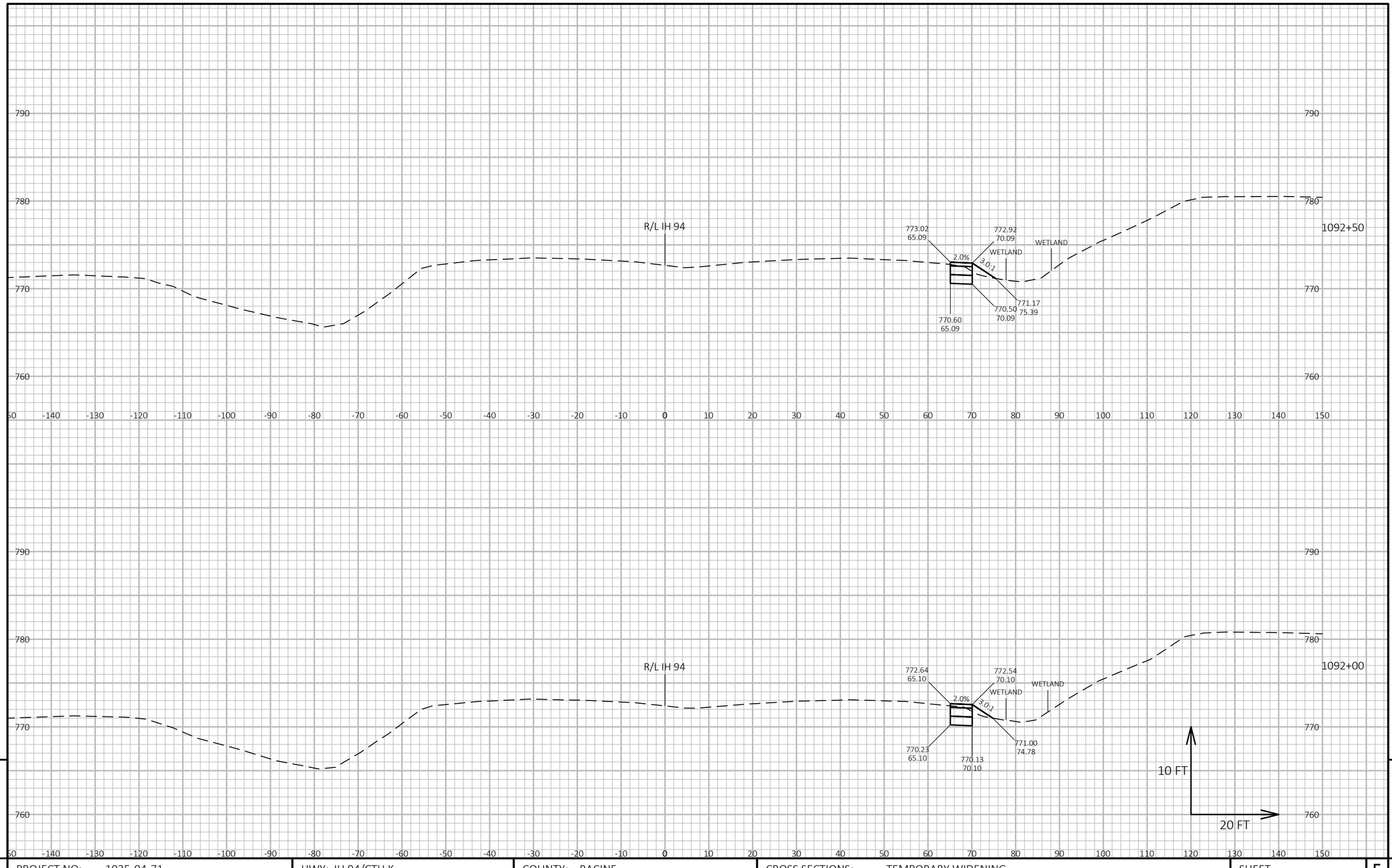
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PROJECT NO: 1035-04-71	HWY: IH 94/CTH K	COUNTY: RACINE	CROSS SECTIONS: TEMPORARY WIDENING	SHEET 529	E

FILE NAME : X:\BM1-1644D CTH K\5_DESIGN\03_ROADS\10301172\SHEETSPLAN\090201-XS-IH 94-TEMPWIDENING-20H 10V.DWG
LAYOUT NAME - Section Sheet - (24)

PLOT DATE : 11/28/2017 9:43 AM PLOT BY : ANTHONY GULAN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.



9 9

PROJECT NO: 1035-04-71	HWY: IH 94/CTH K	COUNTY: RACINE	CROSS SECTIONS: TEMPORARY WIDENING	SHEET 530 E

FILE NAME : X:\BM1-1644D CTH K\5_DESIGN\03_ROADS\10301172\SHEETSPLAN\090201-XS-IH 94-TEMPWIDENING-20H 10V.DWG
LAYOUT NAME - Section Sheet - (25)

PLOT DATE : 11/28/2017 9:43 AM PLOT BY : ANTHONY GULAN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

790
780
770
760

R/L IH 94

773.39
65.09

773.29
70.09

WETLAND

WETLAND

2.0%

3.0:1

772.07
73.78

770.97
65.09

770.87
70.09

1093+00

STA 1093+00 END
YARDAGE ABRUPT

10 FT

20 FT

-150 -140 -130 -120 -110 -100 -90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

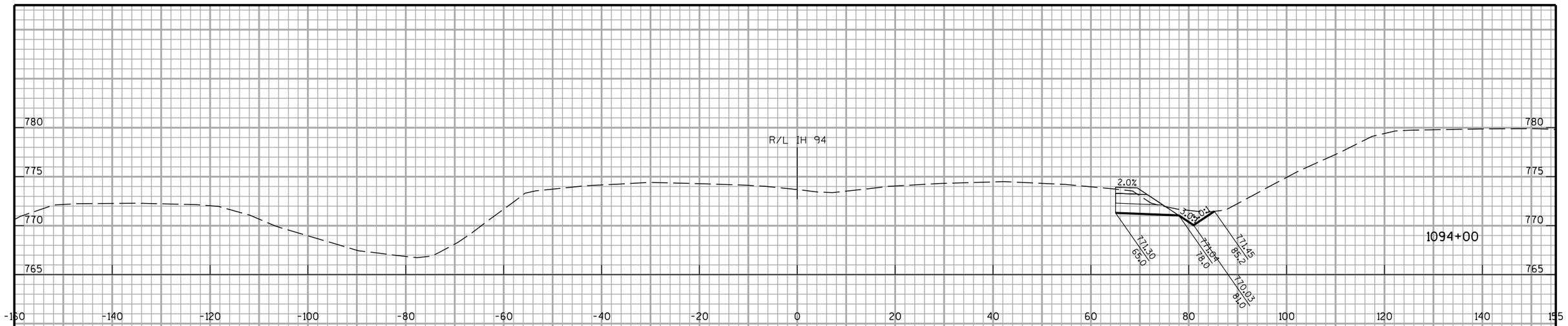
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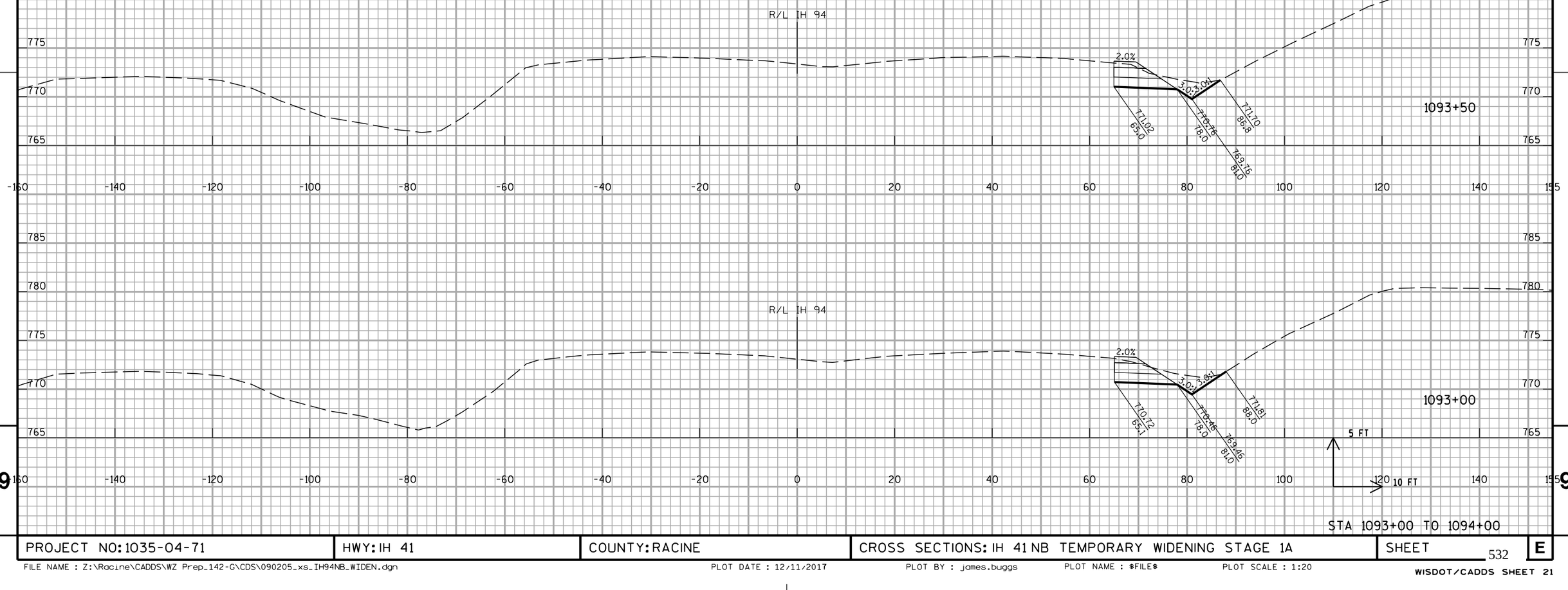
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PROJECT NO: 1035-04-71	HWY: IH 94/CTH K	COUNTY: RACINE	CROSS SECTIONS: TEMPORARY WIDENING	SHEET 531	E

FILE NAME : X:\BM1-1644D CTH K\5_DESIGN\03_ROADS\10301172\SHEETSPLAN\090201-XS-IH 94-TEMPWIDENING-20H 10V.DWG
LAYOUT NAME - Section Sheet - (26)

PLOT DATE : 11/28/2017 9:43 AM PLOT BY : ANTHONY GULAN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.





STA 1093+00 TO 1094+00

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	CROSS SECTIONS: IH 41 NB TEMPORARY WIDENING STAGE 1A	SHEET 532	E

FILE NAME : Z:\Racine\CADDS\WZ Prep_142-G\CDS\090205_xs_IH94NB_WIDEN.dgn PLOT DATE : 12/11/2017 PLOT BY : james.buggs PLOT NAME : $FILE$ PLOT SCALE : 1:20

WISDOT/CADDS SHEET 21

STA 1094+50 TO 1095+50

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	CROSS SECTIONS: IH 41 NB TEMPORARY WIDENING STAGE 1A	SHEET 533	E

FILE NAME : Z:\Racine\CADDS\WZ Prep_142-G\CDS\090205_xs_IH94NB_WIDEN.dgn PLOT DATE : 12/11/2017 PLOT BY : james.buggs PLOT NAME : $FILE$ PLOT SCALE : 1:20

WISDOT/CADDS SHEET 21

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	CROSS SECTIONS: IH 41 NB TEMPORARY WIDENING STAGE 1A	SHEET 534	E

FILE NAME : Z:\Racine\CADDS\WZ Prep_142-G\CDS\090205_xs_IH94NB_WIDEN.dgn PLOT DATE : 12/11/2017 PLOT BY : james.buggs PLOT NAME : $FILE$ PLOT SCALE : 1:20

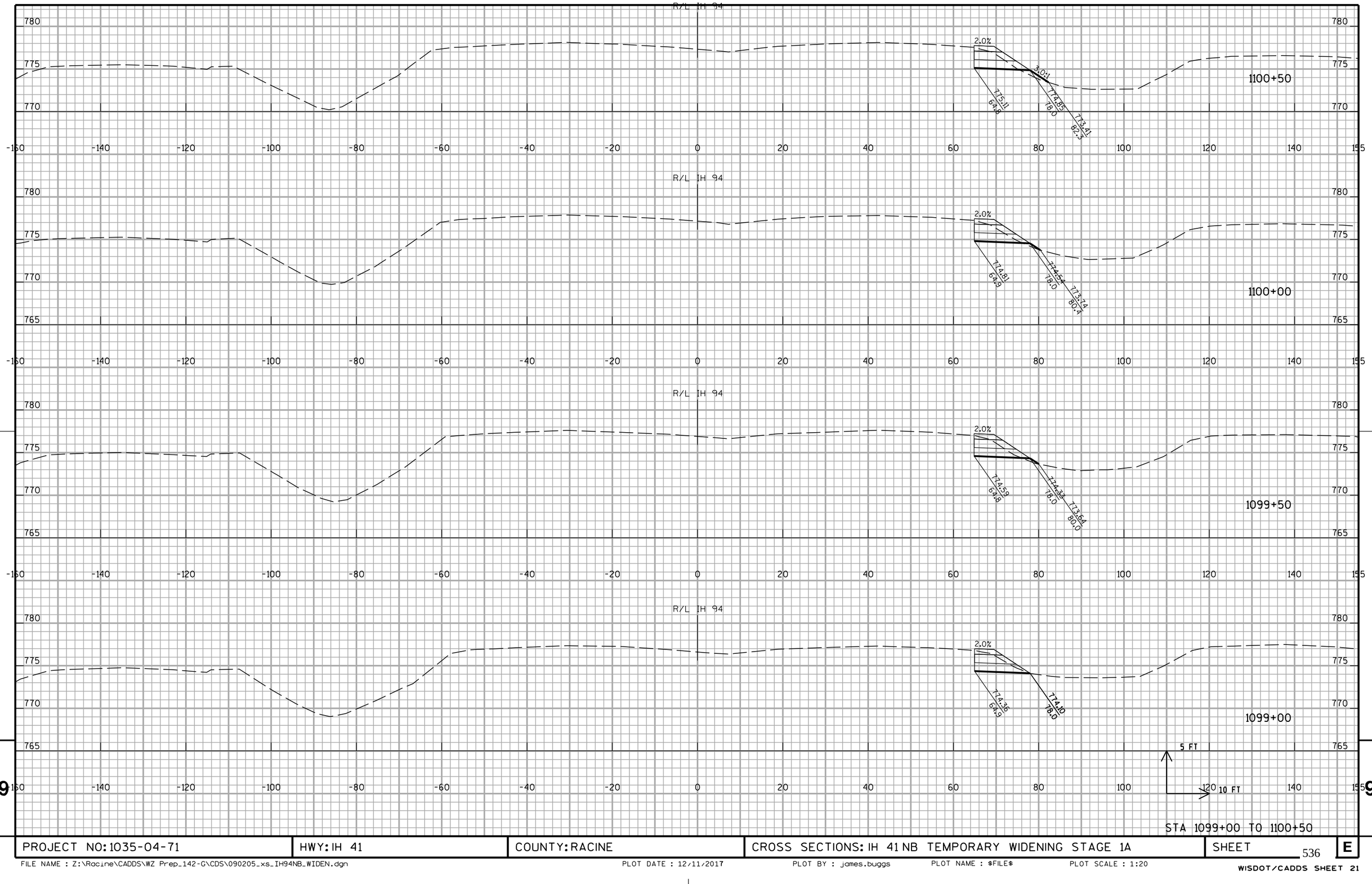
WISDOT/CADDS SHEET 21

STA 1097+50 TO 1098+50

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	CROSS SECTIONS: IH 94 STAGE 1A	SHEET 535	E

FILE NAME : Z:\Racine\CADDS\WZ Prep_142-G\CDS\090205_xs_IH94NB_WIDEN.dgn PLOT DATE : 12/11/2017 PLOT BY : james.buggs PLOT NAME : $FILE$ PLOT SCALE : 1:20

WISDOT/CADDS SHEET 21



STA 1099+00 TO 1100+50

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	CROSS SECTIONS: IH 41 NB TEMPORARY WIDENING STAGE 1A	SHEET	E

FILE NAME : Z:\Racine\CADDS\WZ Prep_142-G\CDS\090205_xs_IH94NB_WIDEN.dgn PLOT DATE : 12/11/2017 PLOT BY : james.buggs PLOT NAME : $FILE$ PLOT SCALE : 1:20

WISDOT/CADDS SHEET 21

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	CROSS SECTIONS: IH 41 NB TEMPORARY WIDENING STAGE 1A	SHEET 537	E

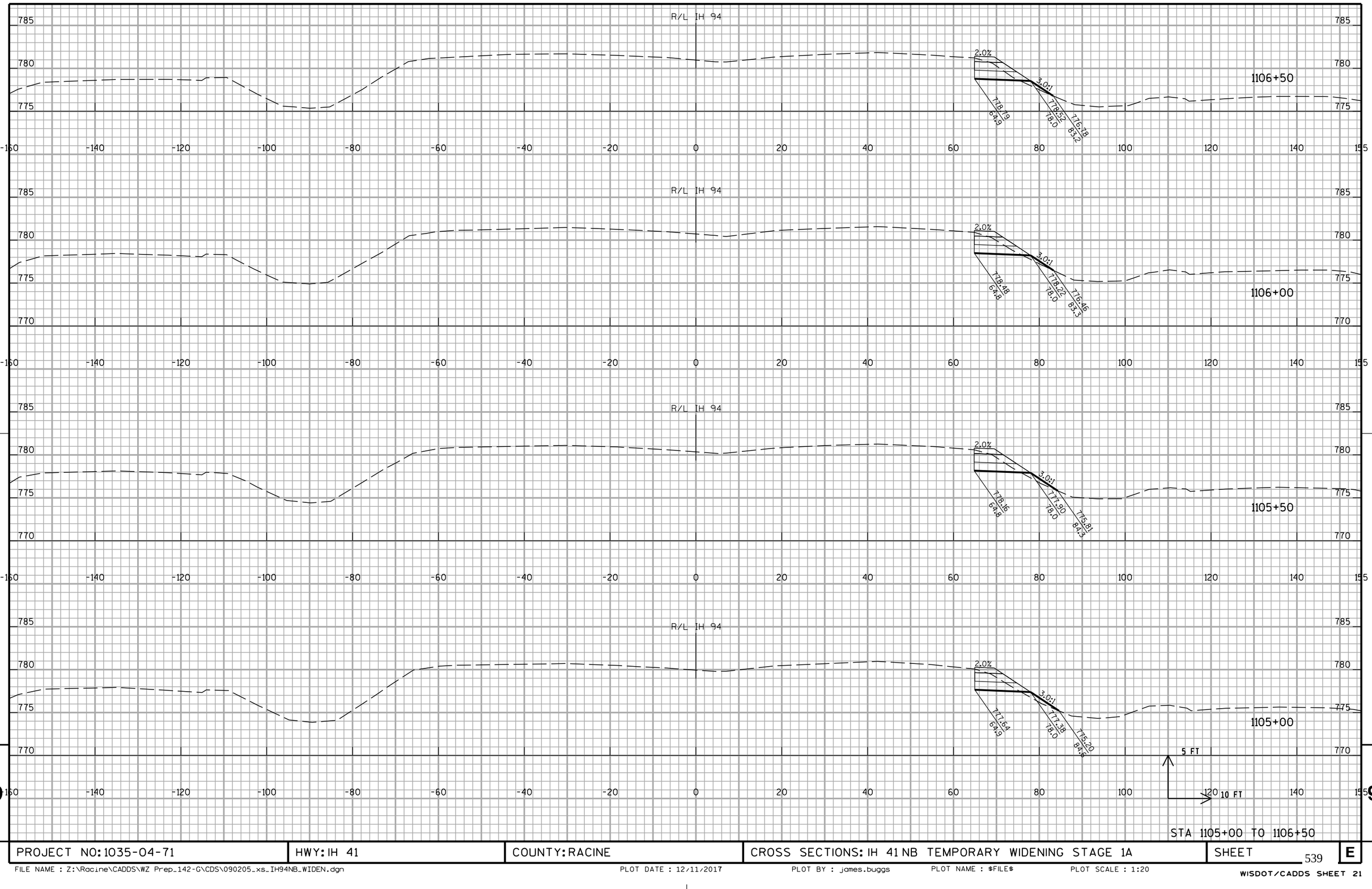
FILE NAME : Z:\Racine\CADDS\WZ Prep_142-G\CDS\090205_xs_IH94NB_WIDEN.dgn PLOT DATE : 12/11/2017 PLOT BY : james.buggs PLOT NAME : $FILE$ PLOT SCALE : 1:20

WISDOT/CADDS SHEET 21

STA 1103+00 TO 1104+50

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	CROSS SECTIONS: IH 41 NB TEMPORARY WIDENING STAGE 1A	SHEET	E

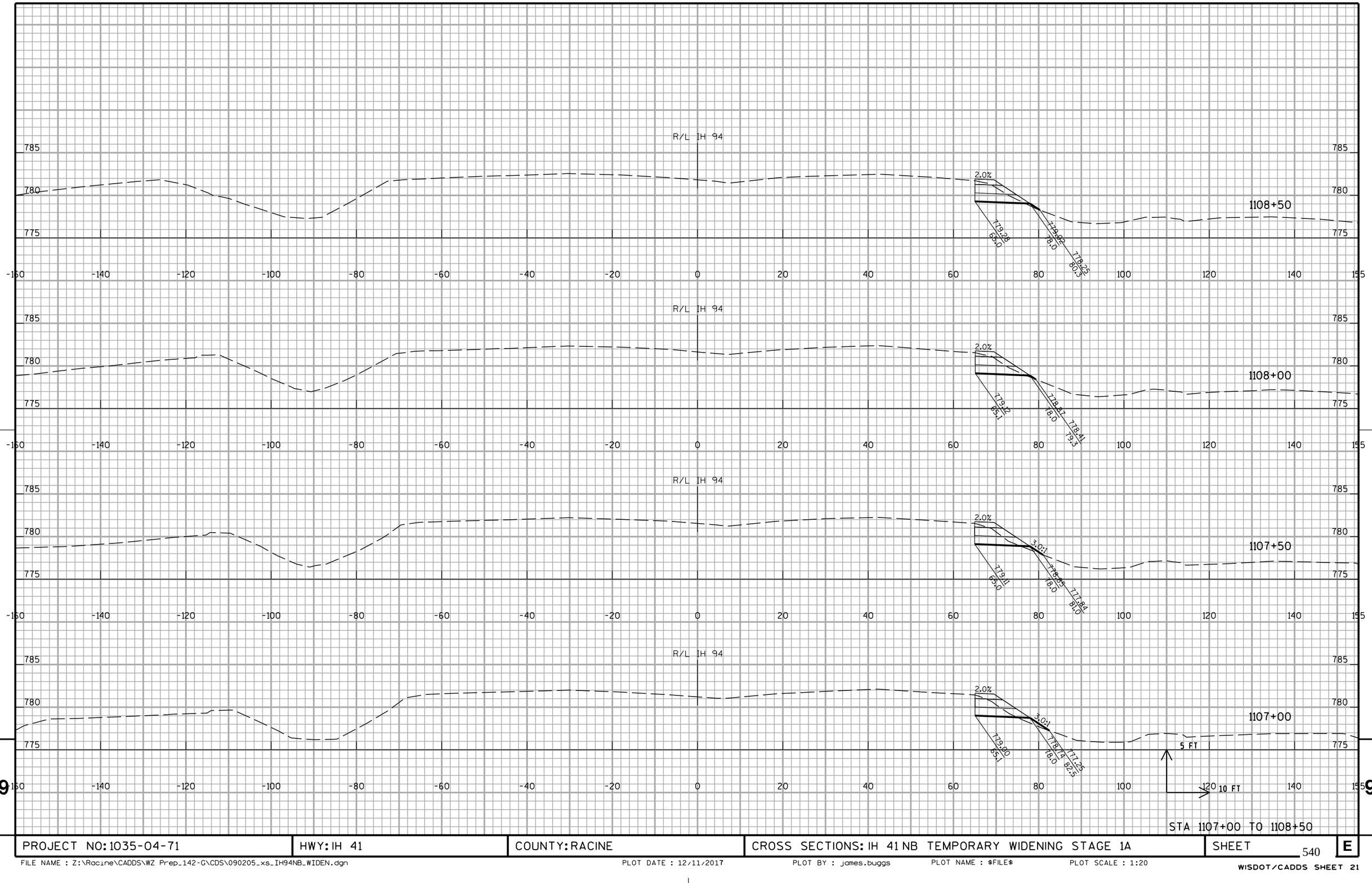
FILE NAME : Z:\Racine\CADDS\WZ Prep_142-G\CDS\090205_xs_IH94NB_WIDEN.dgn PLOT DATE : 12/11/2017 PLOT BY : james.buggs PLOT NAME : $FILE$ PLOT SCALE : 1:20



STA 1105+00 TO 1106+50

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	CROSS SECTIONS: IH 41 NB TEMPORARY WIDENING STAGE 1A	SHEET	E

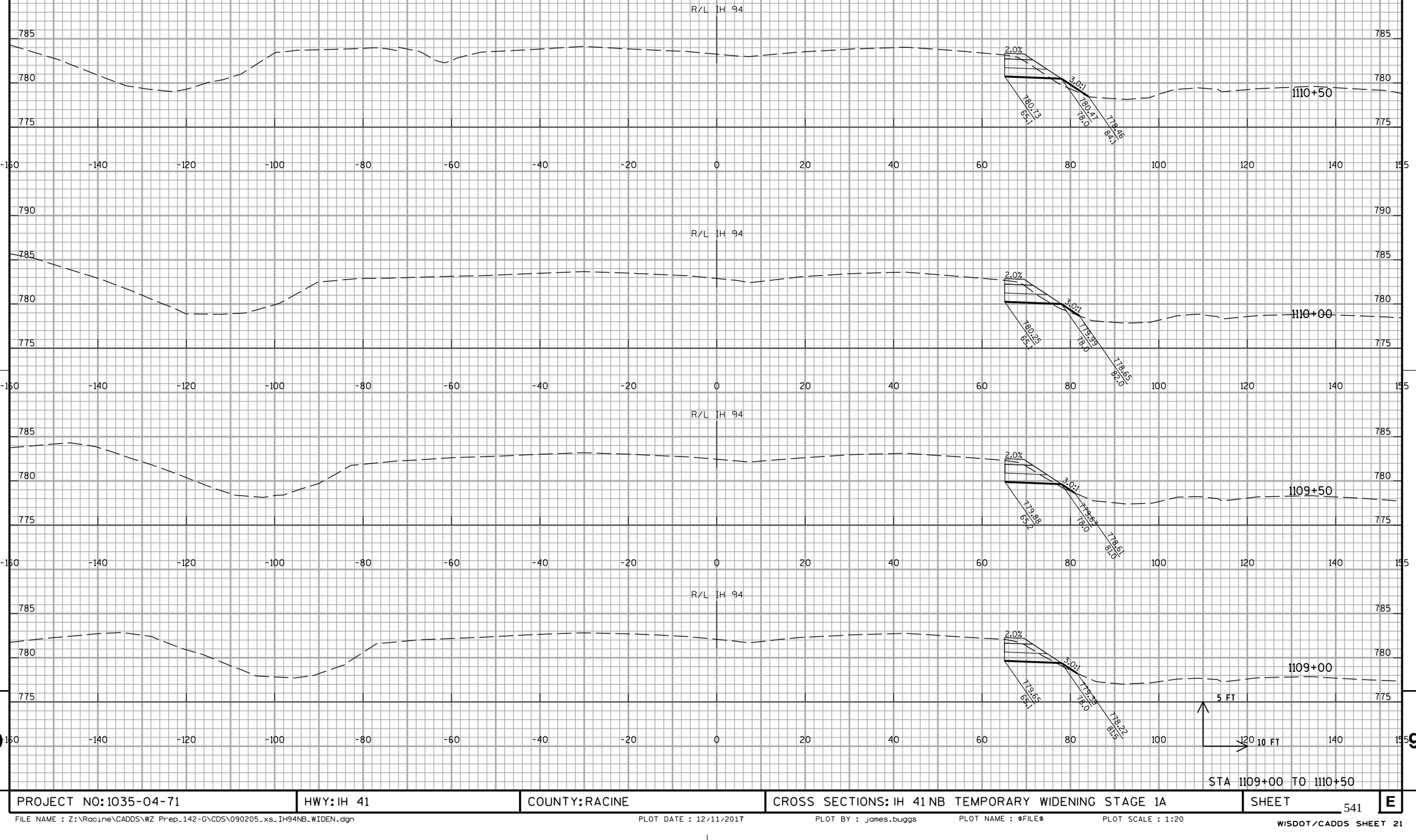
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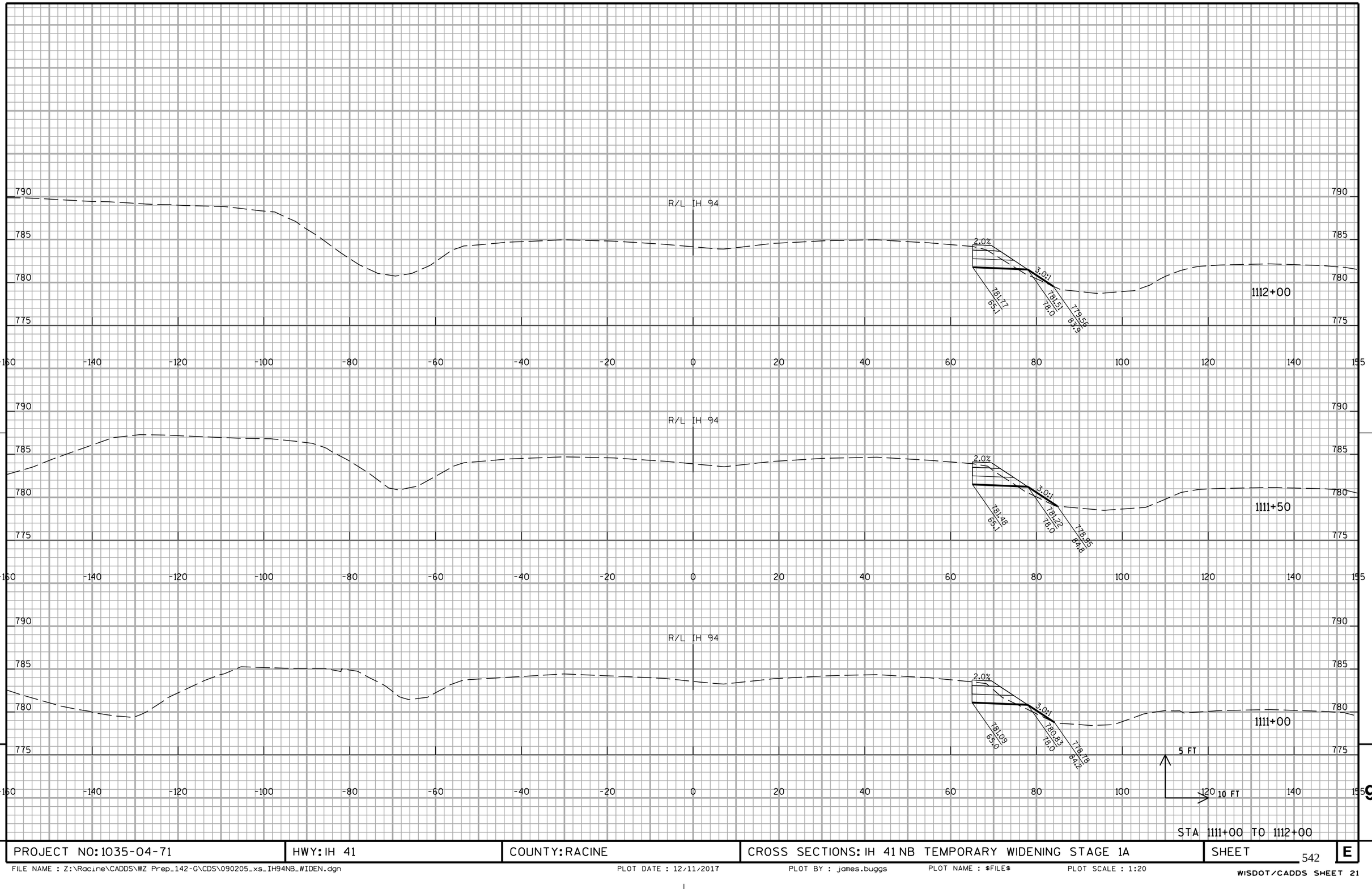
PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	CROSS SECTIONS: IH 41 NB TEMPORARY WIDENING STAGE 1A	SHEET 540	E

FILE NAME : Z:\Racine\CADDS\WZ Prep_142-G\CDS\090205_xs_IH94NB_WIDEN.dgn PLOT DATE : 12/11/2017 PLOT BY : james.buggs PLOT NAME : $FILE$ PLOT SCALE : 1:20

WISDOT/CADDS SHEET 21



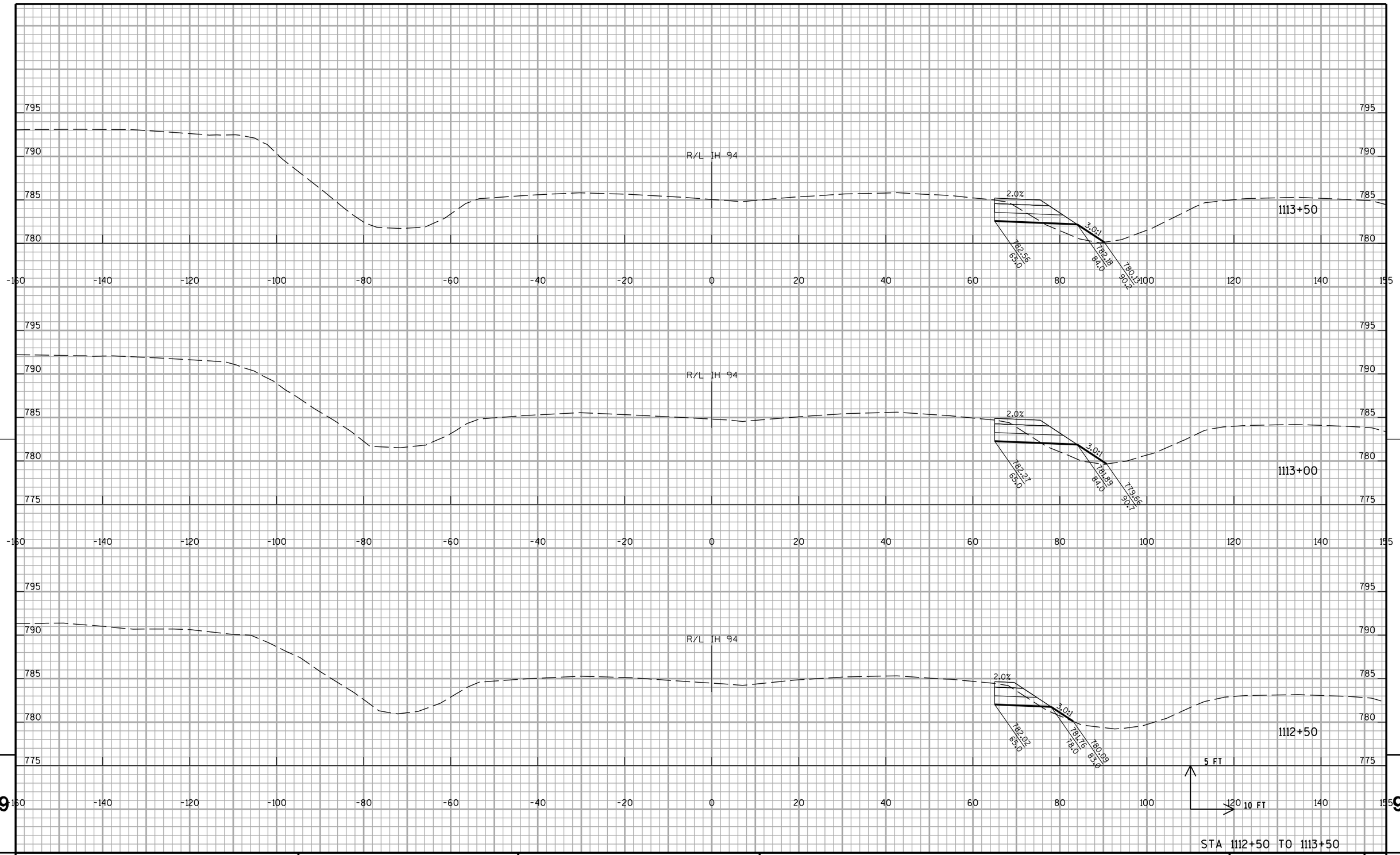
PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	CROSS SECTIONS: IH 41 NB TEMPORARY WIDENING STAGE 1A	SHEET 541	E



PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	CROSS SECTIONS: IH 41 NB TEMPORARY WIDENING STAGE 1A	SHEET 542	E

FILE NAME : Z:\Racine\CADDS\WZ Prep_142-G\CDS\090205_xs_IH94NB_WIDEN.dgn PLOT DATE : 12/11/2017 PLOT BY : james.buggs PLOT NAME : $FILE$ PLOT SCALE : 1:20

WISDOT/CADDS SHEET 21

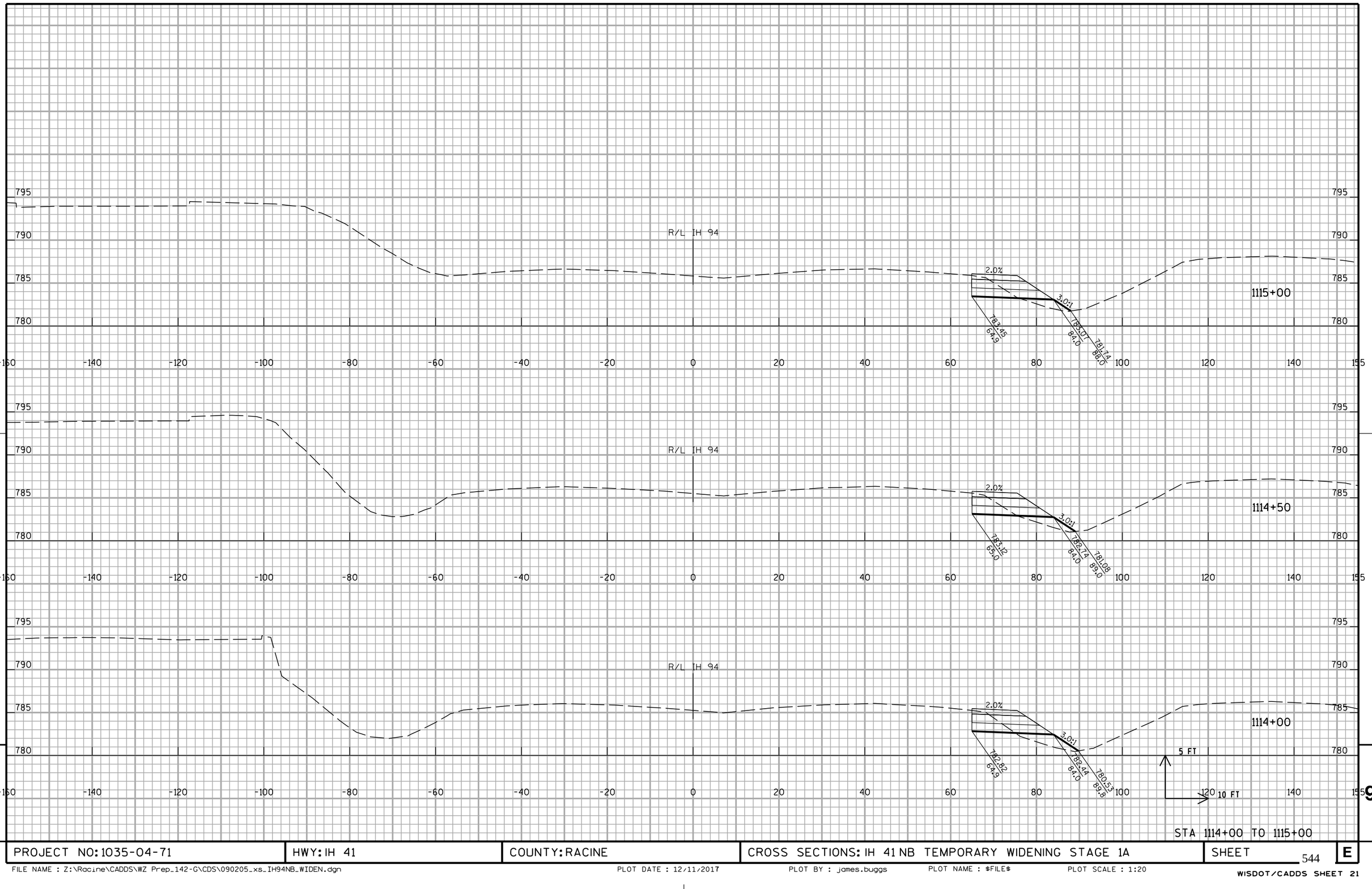


STA 1112+50 TO 1113+50

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	CROSS SECTIONS: IH 41 NB TEMPORARY WIDENING STAGE 1A	SHEET 543	E

FILE NAME : Z:\Racine\CADDS\WZ Prep_142-G\CDS\090205_xs_IH94NB_WIDEN.dgn PLOT DATE : 12/11/2017 PLOT BY : james.buggs PLOT NAME : $FILE$ PLOT SCALE : 1:20

WISDOT/CADDS SHEET 21

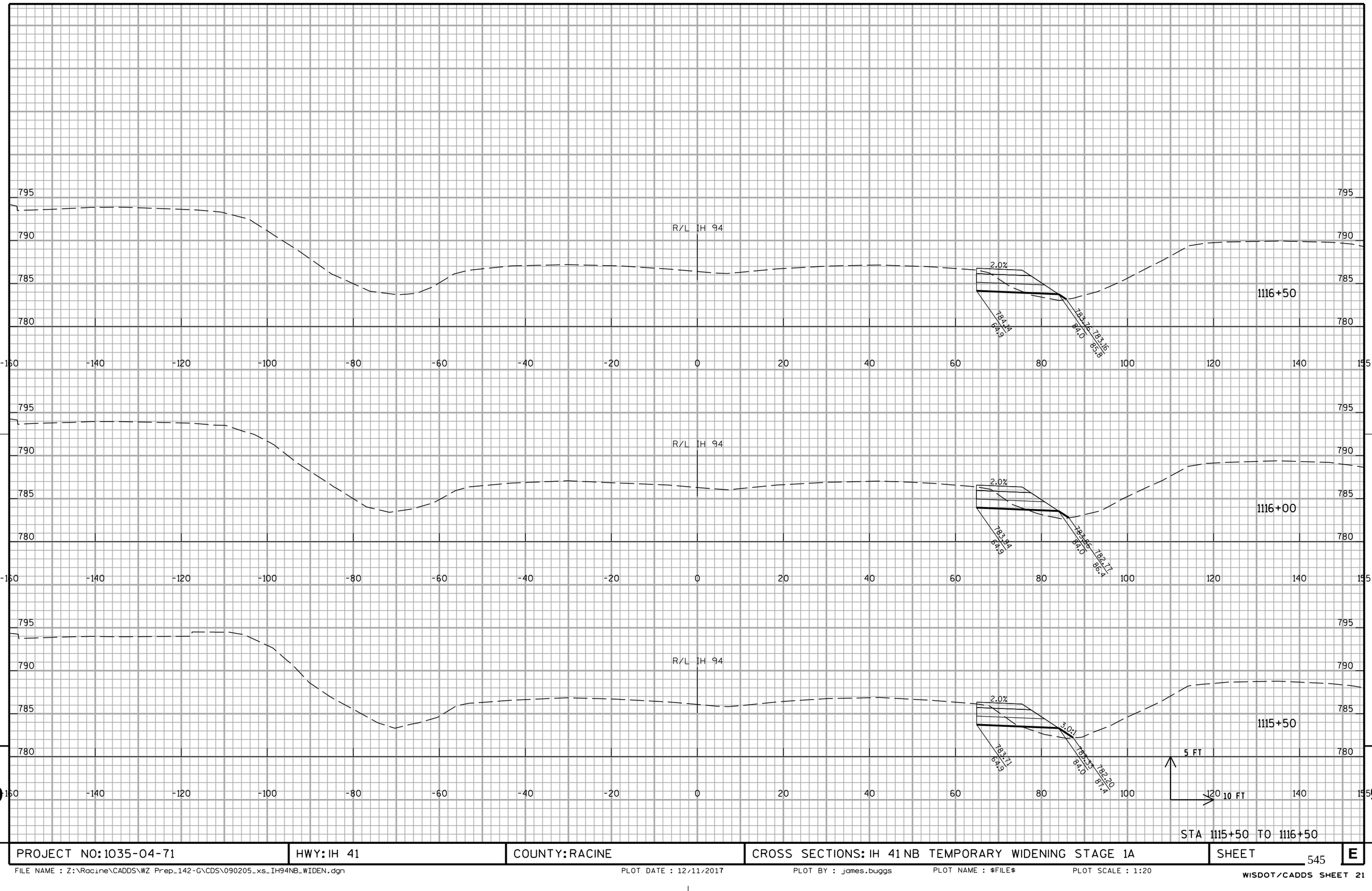


STA 1114+00 TO 1115+00

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	CROSS SECTIONS: IH 41 NB TEMPORARY WIDENING STAGE 1A	SHEET 544	E

FILE NAME : Z:\Racine\CADDS\WZ Prep_142-G\CDS\090205_xs_IH94NB_WIDEN.dgn PLOT DATE : 12/11/2017 PLOT BY : james.buggs PLOT NAME : $FILE$ PLOT SCALE : 1:20

WISDOT/CADDS SHEET 21

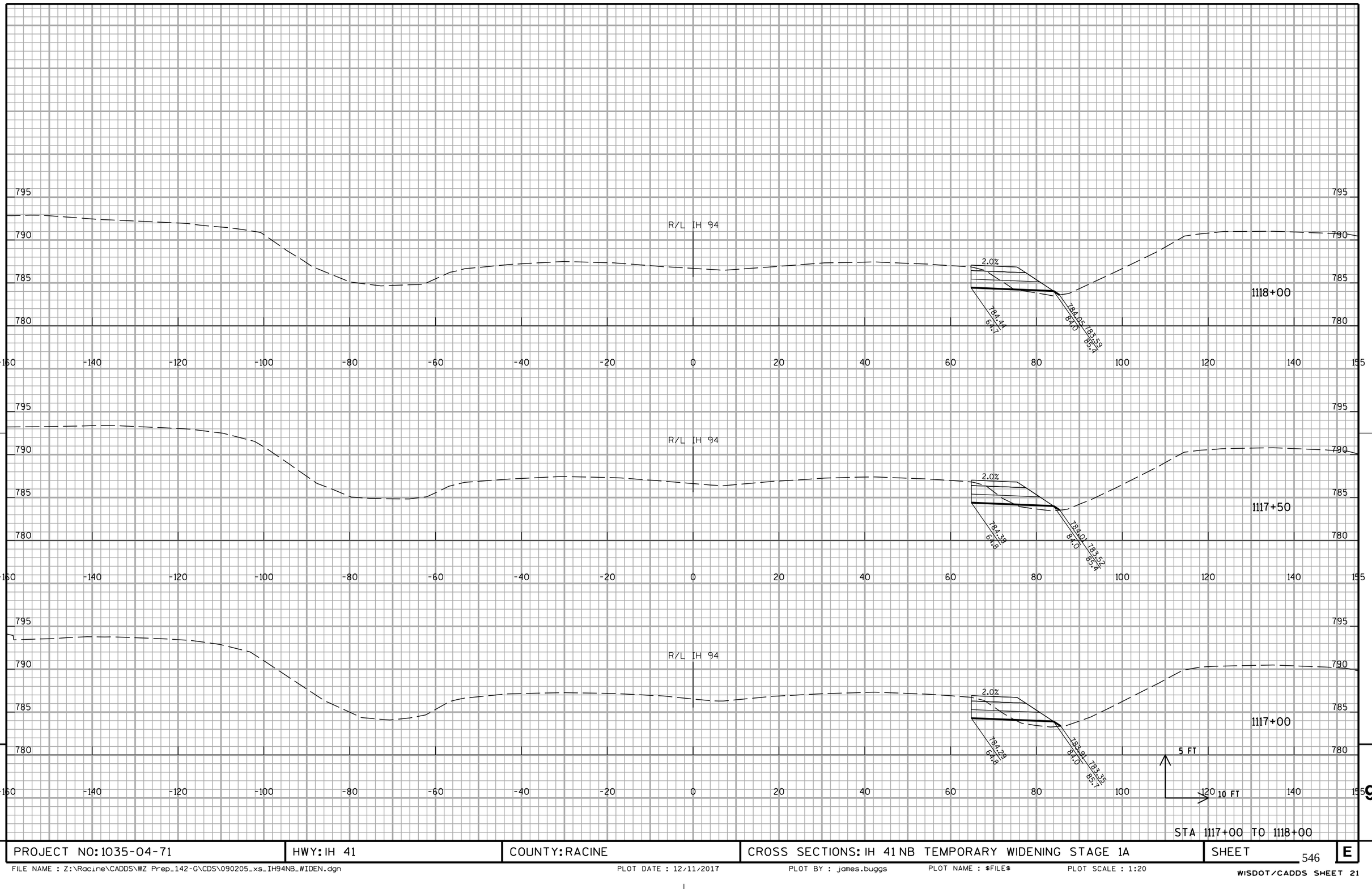


STA 1115+50 TO 1116+50

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	CROSS SECTIONS: IH 41 NB TEMPORARY WIDENING STAGE 1A	SHEET 545	E

FILE NAME : Z:\Racine\CADDS\WZ Prep_142-G\CDS\090205_xs_IH94NB_WIDEN.dgn PLOT DATE : 12/11/2017 PLOT BY : james.buggs PLOT NAME : $FILE$ PLOT SCALE : 1:20

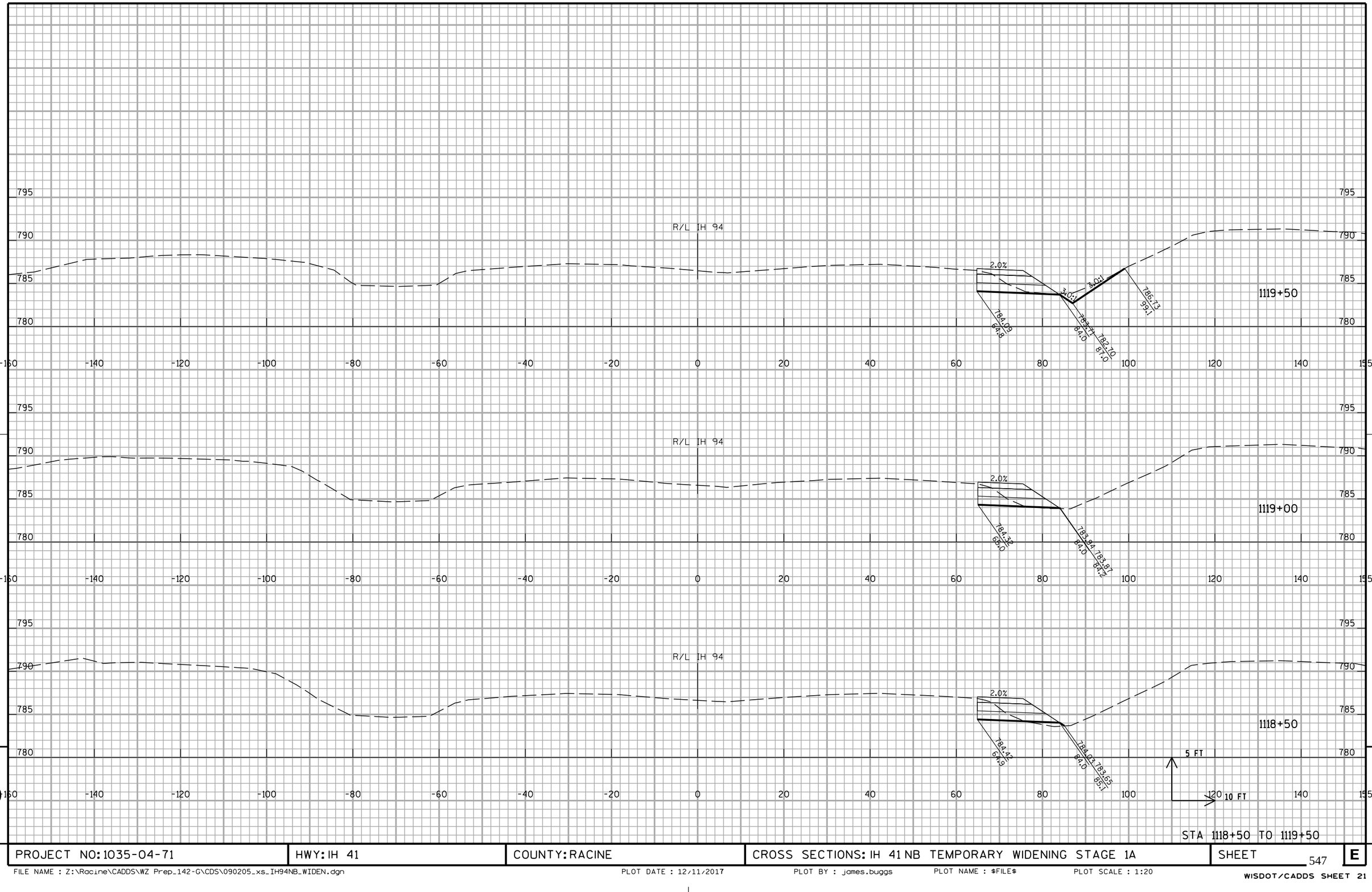
WISDOT/CADDS SHEET 21



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9

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	CROSS SECTIONS: IH 41 NB TEMPORARY WIDENING STAGE 1A	SHEET 546	E



PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	CROSS SECTIONS: IH 41 NB TEMPORARY WIDENING STAGE 1A	SHEET 547	E

FILE NAME : Z:\Racine\CADDS\WZ Prep_142-G\CDS\090205_xs_IH94NB_WIDEN.dgn PLOT DATE : 12/11/2017 PLOT BY : james.buggs PLOT NAME : $FILE$ PLOT SCALE : 1:20

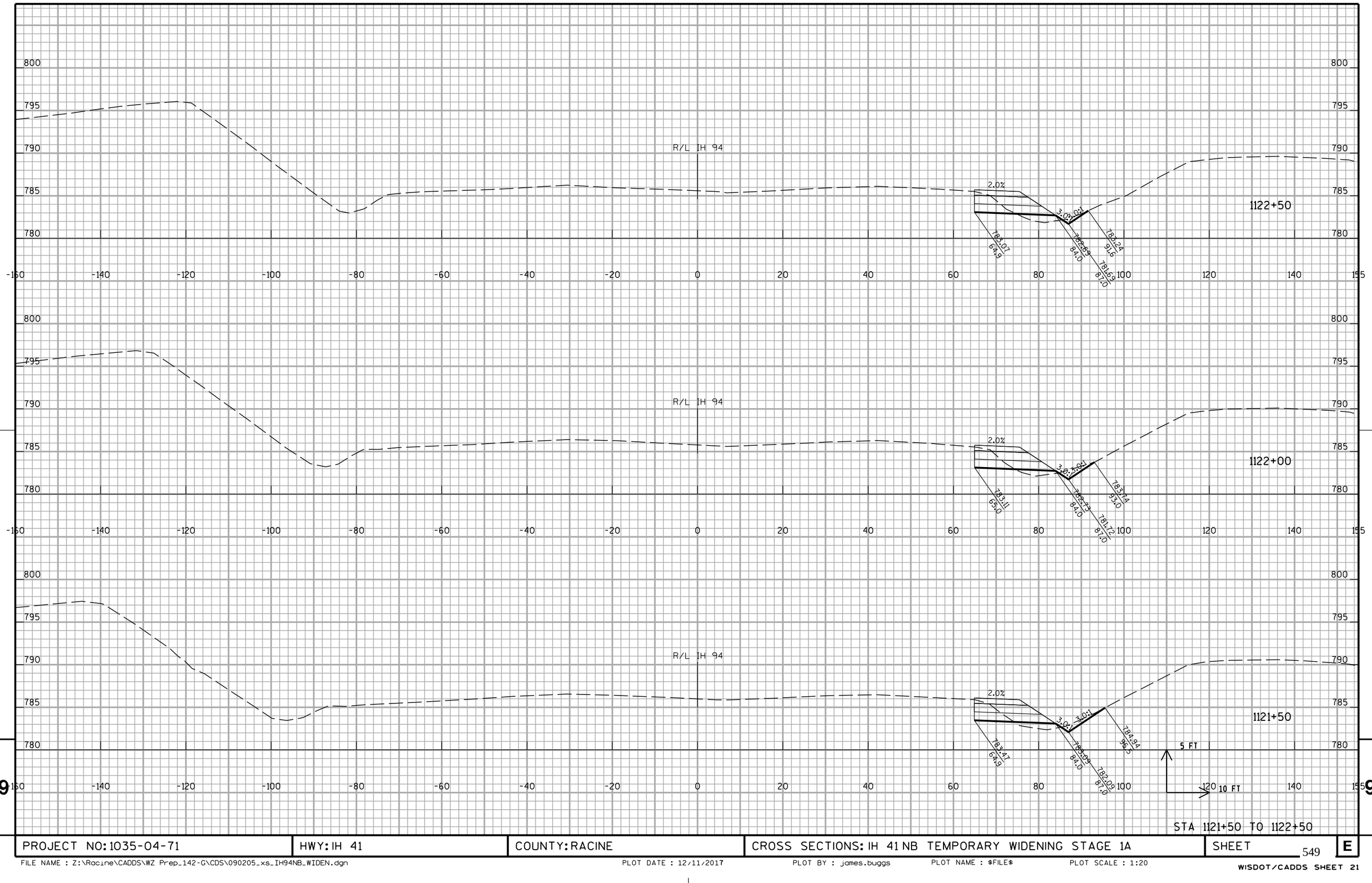
WISDOT/CADDS SHEET 21

STA 1120+00 TO 1121+00

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	CROSS SECTIONS: IH 41 NB TEMPORARY WIDENING STAGE 1A	SHEET 548	E

FILE NAME : Z:\Racine\CADDS\WZ Prep_142-G\CDS\090205_xs_IH94NB_WIDEN.dgn PLOT DATE : 12/11/2017 PLOT BY : james.buggs PLOT NAME : $FILE$ PLOT SCALE : 1:20

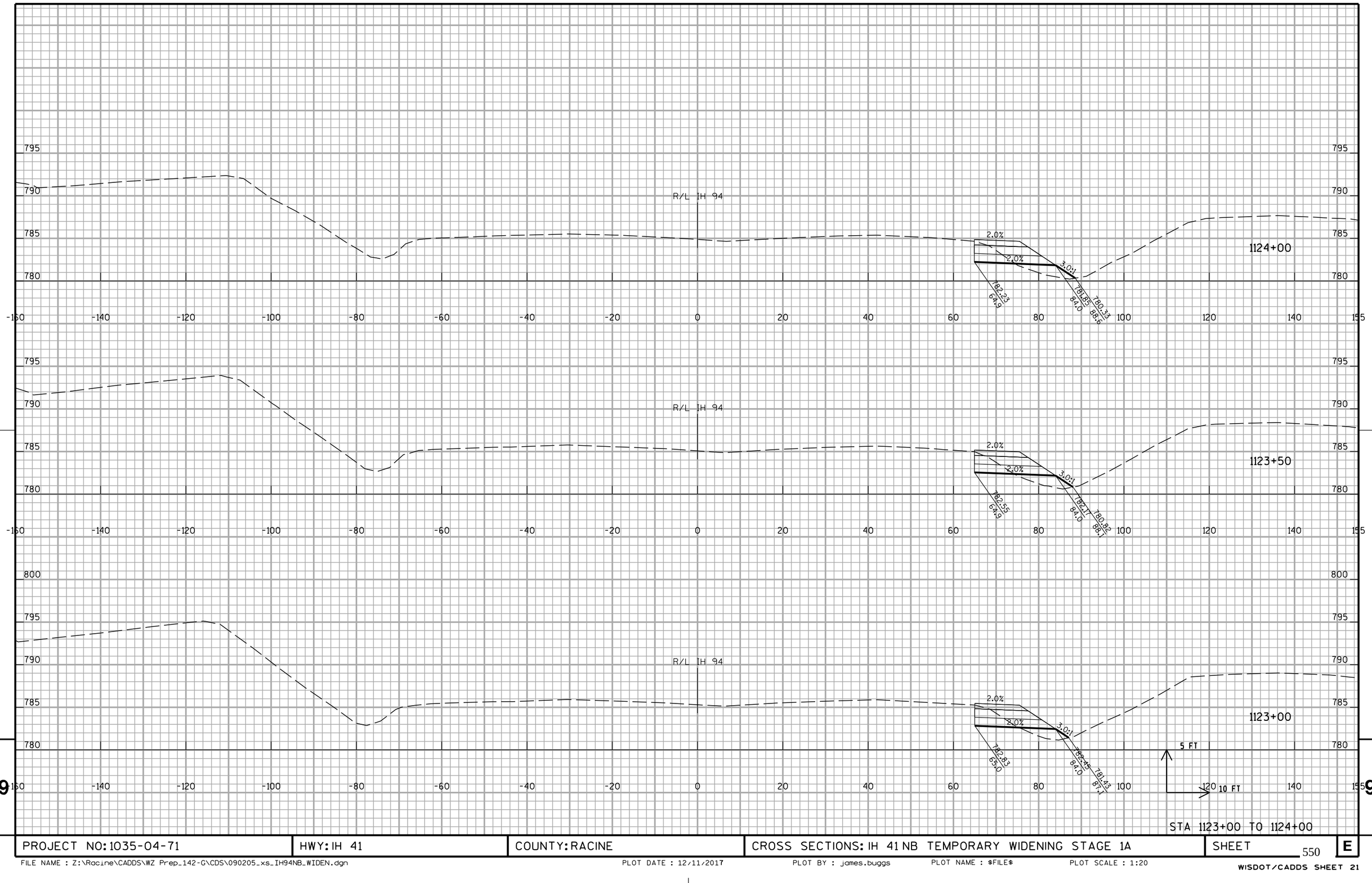
WISDOT/CADDS SHEET 21



PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	CROSS SECTIONS: IH 41 NB TEMPORARY WIDENING STAGE 1A	SHEET 549	E

FILE NAME : Z:\Racine\CADDS\WZ Prep_142-G\CDS\090205_xs_IH94NB_WIDEN.dgn PLOT DATE : 12/11/2017 PLOT BY : james.buggs PLOT NAME : $FILE$ PLOT SCALE : 1:20

WISDOT/CADDS SHEET 21

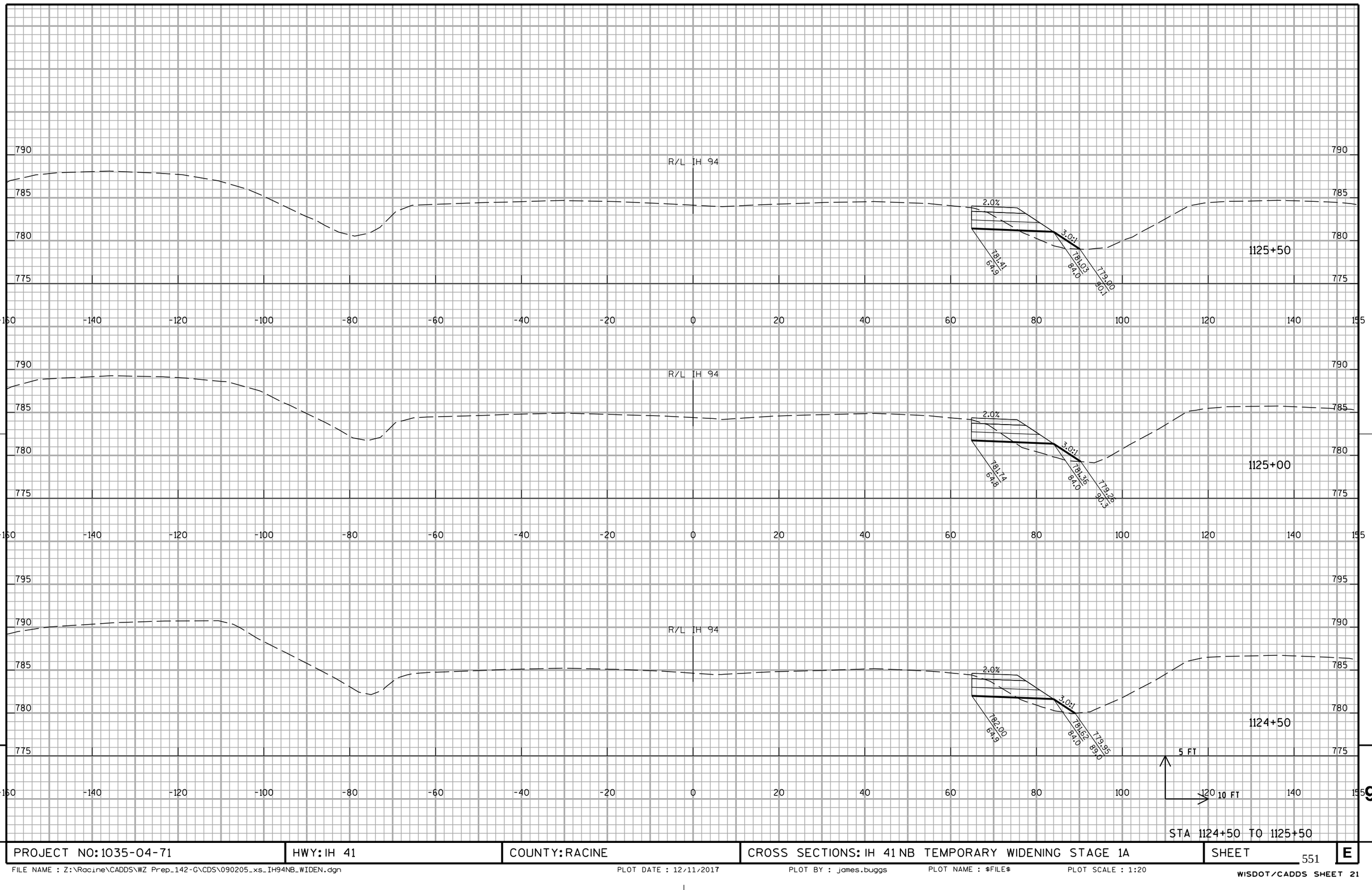


STA 1123+00 TO 1124+00

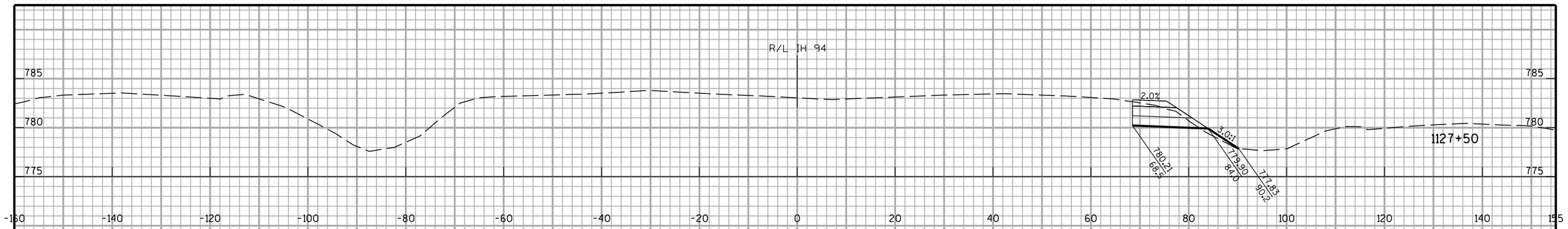
PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	CROSS SECTIONS: IH 41 NB TEMPORARY WIDENING STAGE 1A	SHEET 550	E

FILE NAME : Z:\Racine\CADDS\WZ Prep_142-G\CDS\090205_xs_IH94NB_WIDEN.dgn PLOT DATE : 12/11/2017 PLOT BY : james.buggs PLOT NAME : $FILE$ PLOT SCALE : 1:20

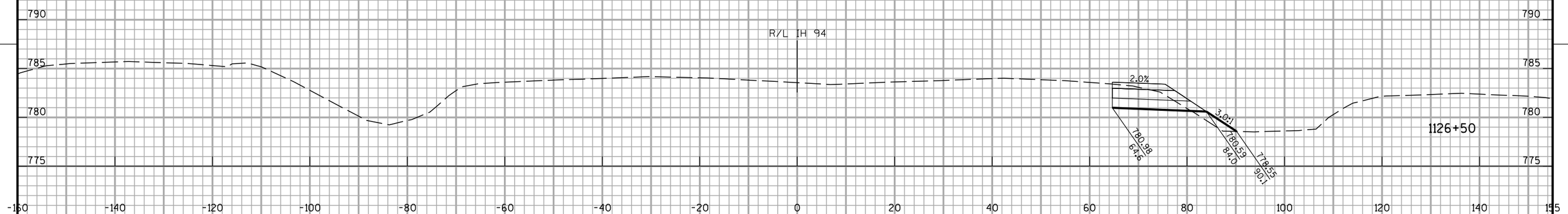
WISDOT/CADDS SHEET 21

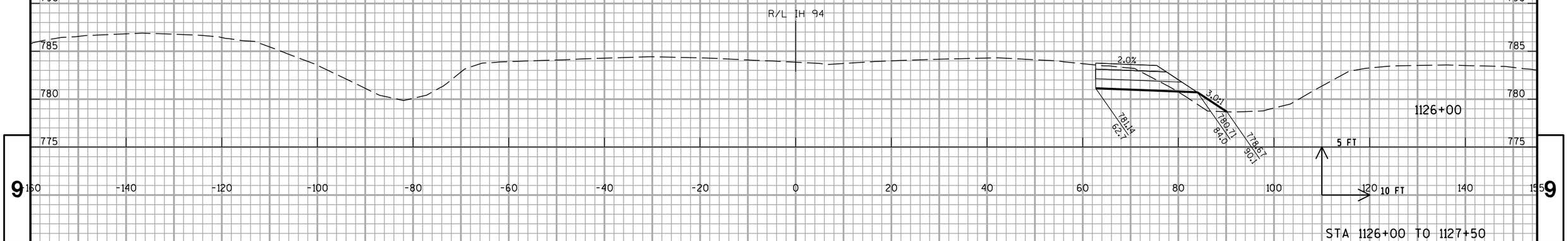


PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	CROSS SECTIONS: IH 41 NB TEMPORARY WIDENING STAGE 1A	SHEET 551	E







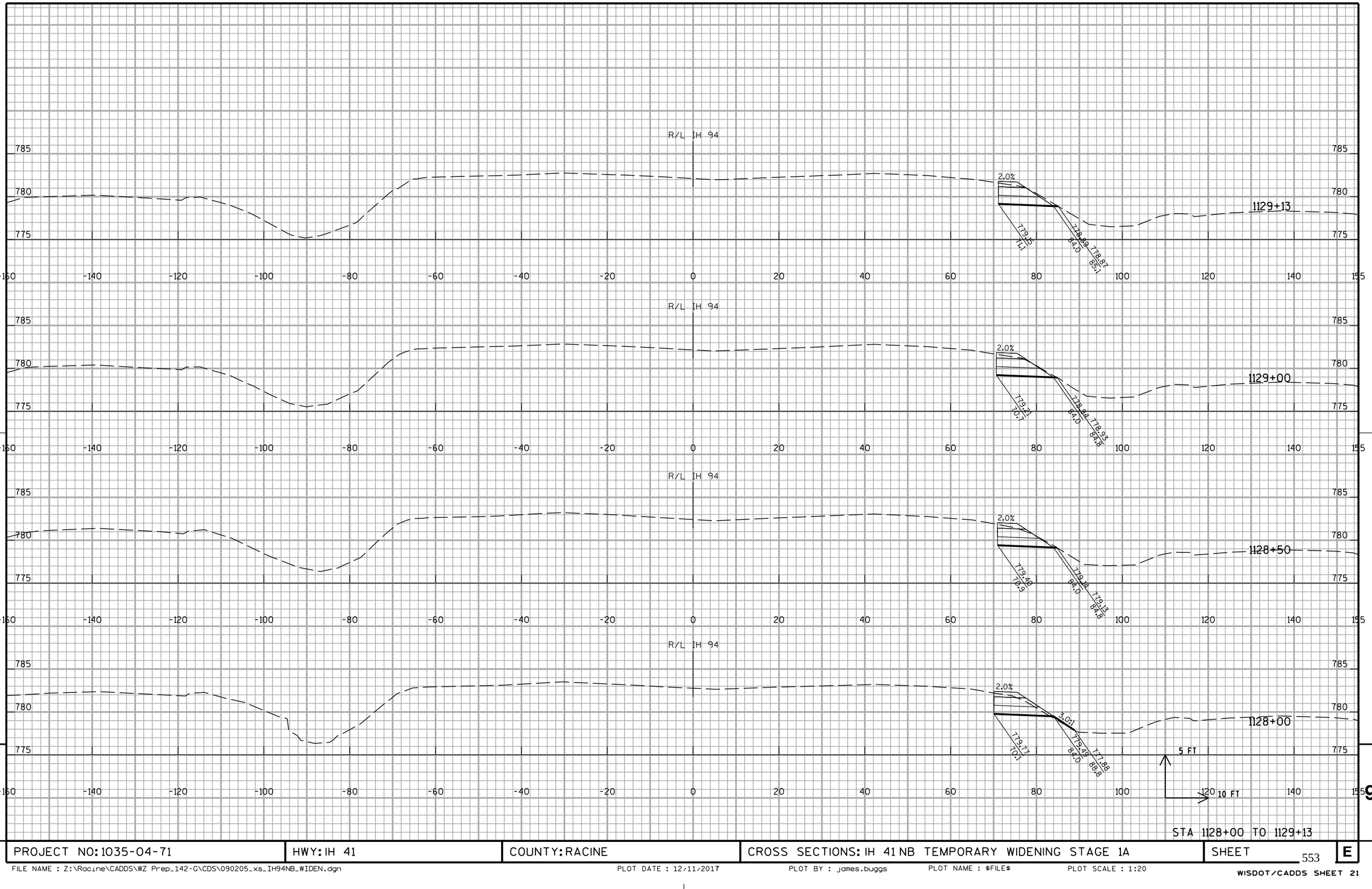


STA 1126+00 TO 1127+50

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	CROSS SECTIONS: IH 41 NB TEMPORARY WIDENING STAGE 1A	SHEET 552	E

FILE NAME : Z:\Racine\CADDS\WZ Prep_142-G\CDS\090205_xs_IH94NB_WIDEN.dgn PLOT DATE : 12/11/2017 PLOT BY : james.buggs PLOT NAME : $FILE$ PLOT SCALE : 1:20

WISDOT/CADDS SHEET 21

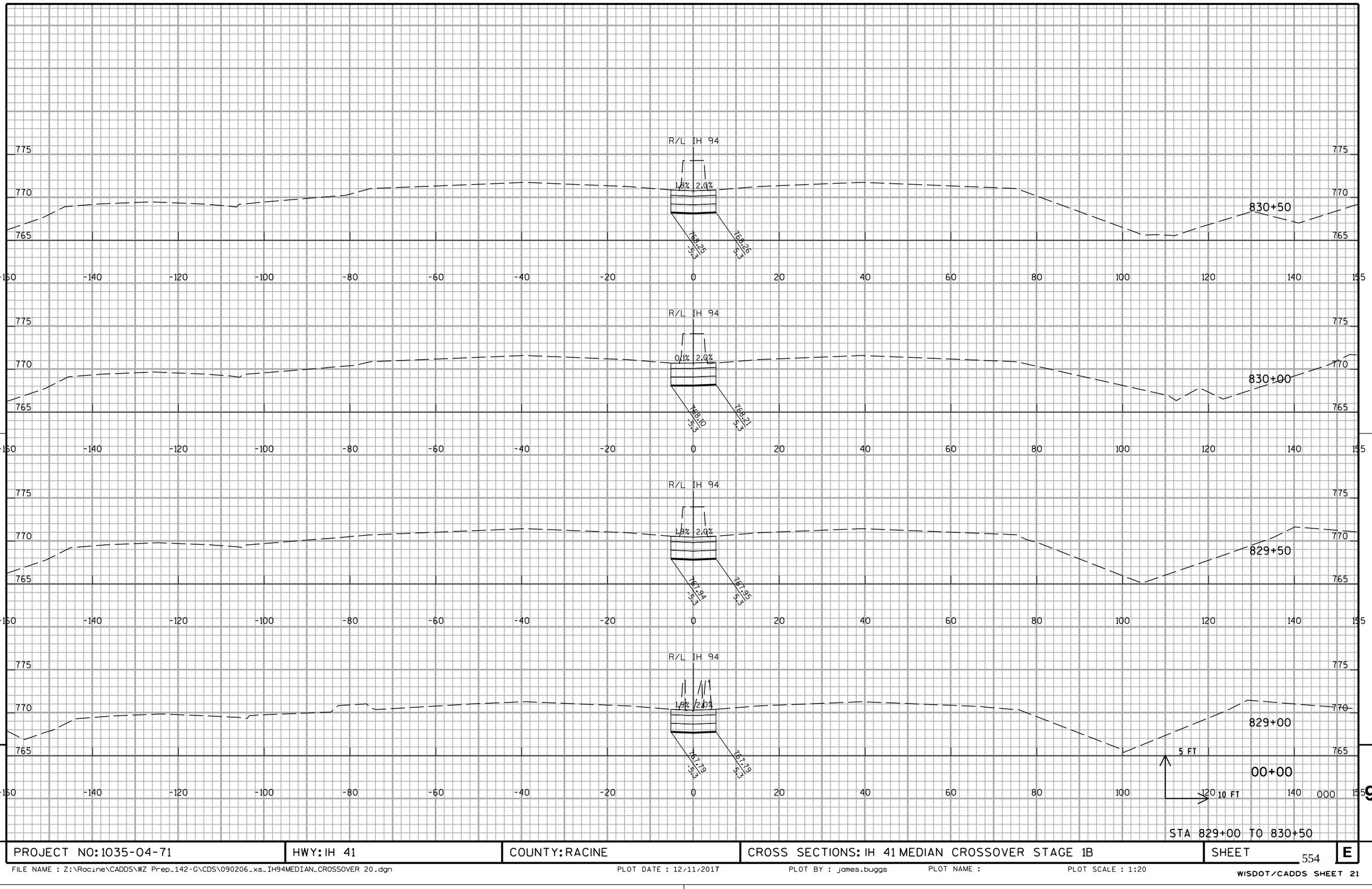


STA 1128+00 TO 1129+13

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	CROSS SECTIONS: IH 41 NB TEMPORARY WIDENING STAGE 1A	SHEET 553	E

FILE NAME : Z:\Racine\CADDS\WZ Prep_142-G\CDS\090205_xs_IH94NB_WIDEN.dgn PLOT DATE : 12/11/2017 PLOT BY : james.buggs PLOT NAME : $FILE$ PLOT SCALE : 1:20

WISDOT/CADDS SHEET 21

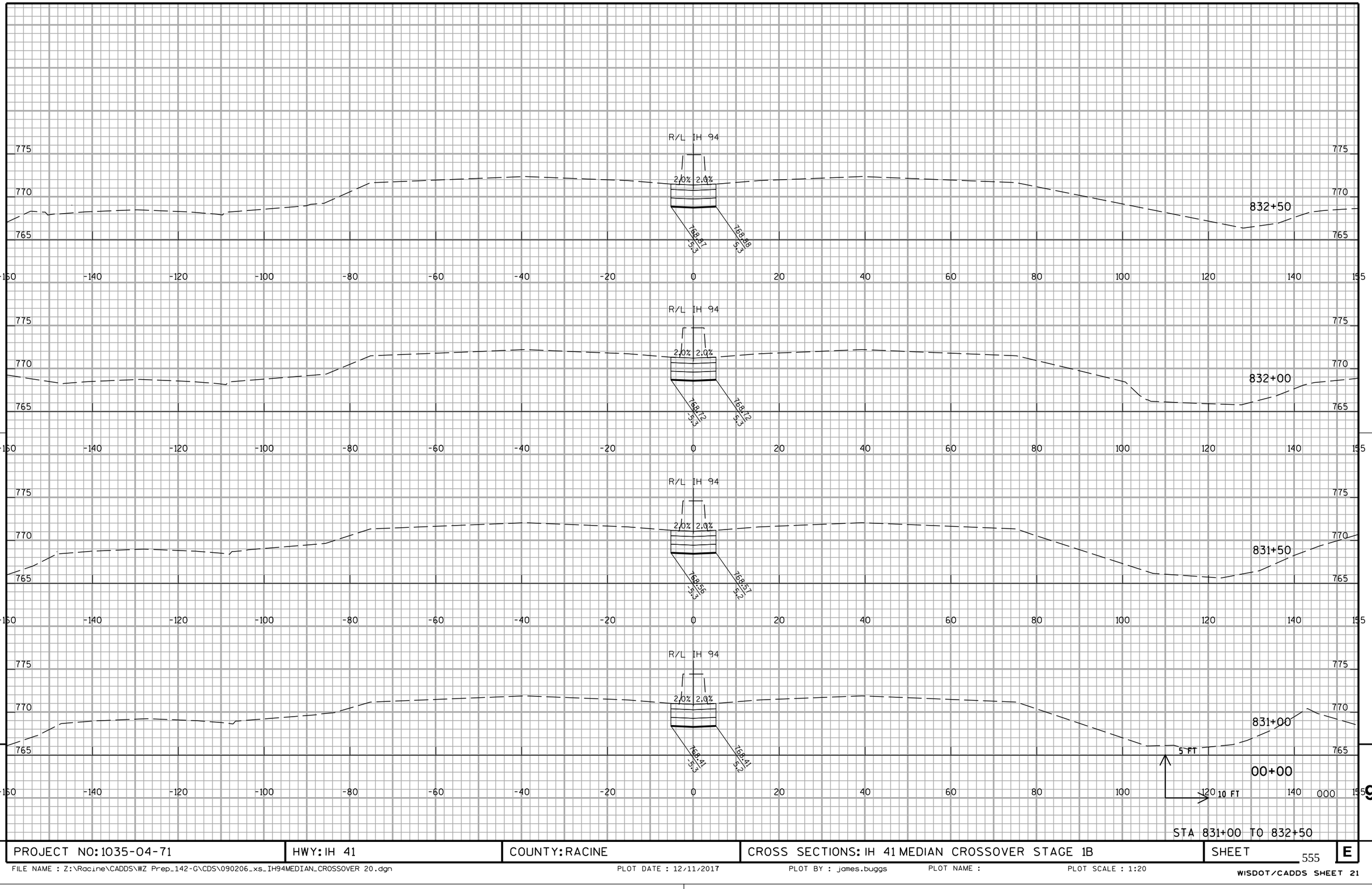


STA 829+00 TO 830+50

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	CROSS SECTIONS: IH 41 MEDIAN CROSSOVER STAGE 1B	SHEET 554	E

FILE NAME : Z:\Racine\CADDS\WZ Prep_142-G\CDS\090206_xs_IH94MEDIAN_CROSSOVER 20.dgn PLOT DATE : 12/11/2017 PLOT BY : james.buggs PLOT NAME : PLOT SCALE : 1:20

WISDOT/CADDS SHEET 21

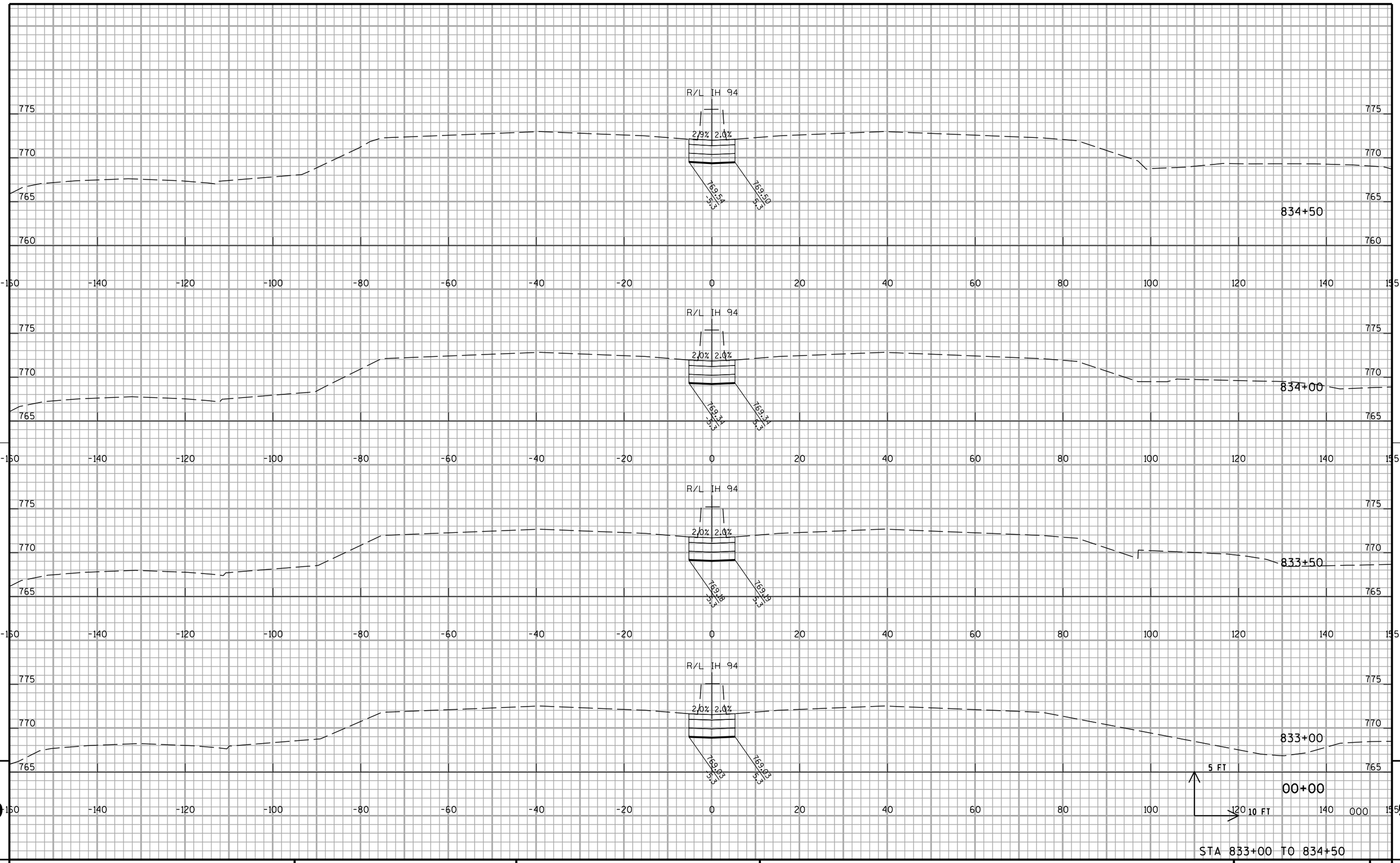


STA 831+00 TO 832+50

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	CROSS SECTIONS: IH 41 MEDIAN CROSSOVER STAGE 1B	SHEET 555	E

FILE NAME : Z:\Racine\CADDS\WZ Prep_142-G\CDS\090206_xs_IH94MEDIAN_CROSSOVER 20.dgn PLOT DATE : 12/11/2017 PLOT BY : james.buggs PLOT NAME : PLOT SCALE : 1:20

WISDOT/CADDS SHEET 21



STA 833+00 TO 834+50

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	CROSS SECTIONS: IH 41 MEDIAN CROSSOVER STAGE 1B	SHEET 556	E

FILE NAME : Z:\Racine\CADDS\WZ Prep_142-G\CDS\090206_xs_IH94MEDIAN_CROSSOVER 20.dgn PLOT DATE : 12/11/2017 PLOT BY : james.buggs PLOT NAME : PLOT SCALE : 1:20

WISDOT/CADDS SHEET 21

STA 835+00 TO 836+00

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	CROSS SECTIONS: IH 41 MEDIAN CROSSOVER STAGE 1B	SHEET 557	E

FILE NAME : Z:\Racine\CADDS\WZ Prep_142-G\CDS\090206_xs_IH94MEDIAN_CROSSOVER 20.dgn PLOT DATE : 12/11/2017 PLOT BY : james.buggs PLOT NAME : PLOT SCALE : 1:20

WISDOT/CADDS SHEET 21

5 FT

10 FT

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STA 836+50 TO 837+50

9

9

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	CROSS SECTIONS: IH 41 MEDIAN CROSSOVER STAGE 1B	SHEET 558	E

FILE NAME : Z:\Racine\CADDS\WZ Prep_142-G\CDS\090206_xs_IH94MEDIAN_CROSSOVER 20.dgn

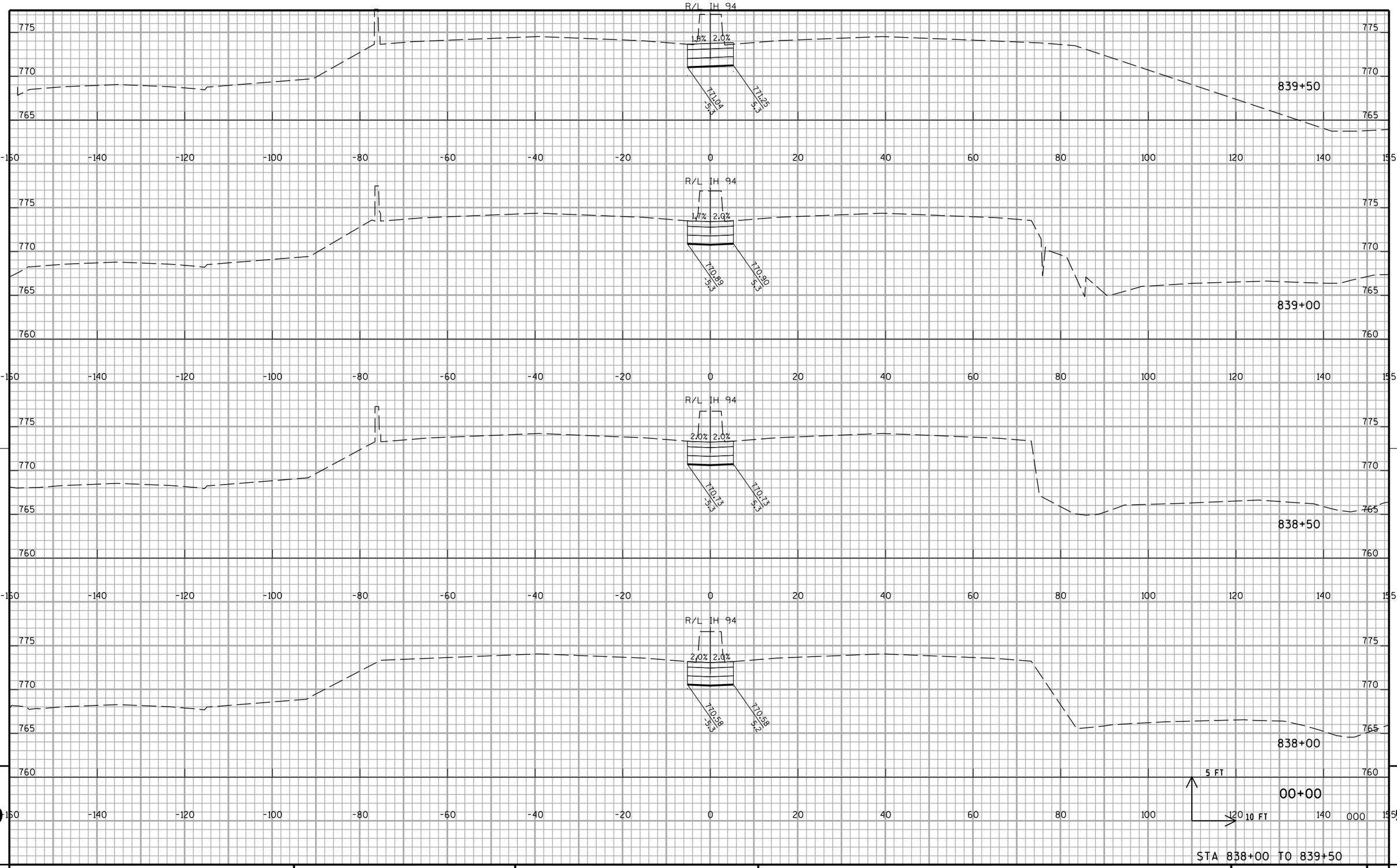
PLOT DATE : 12/11/2017

PLOT BY : james.buggs

PLOT NAME :

PLOT SCALE : 1:20

WISDOT/CADDS SHEET 21

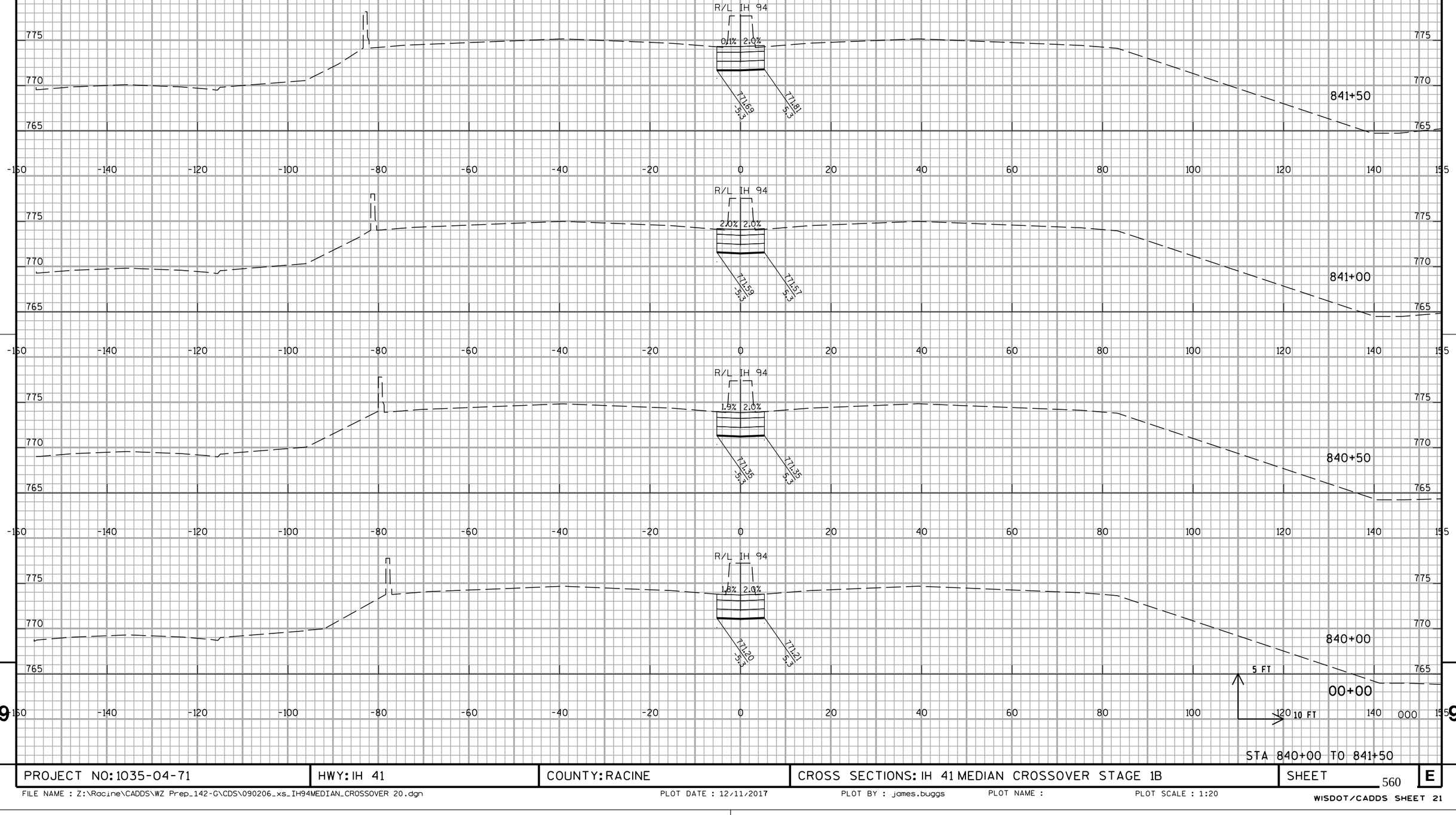


STA 838+00 TO 839+50

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	CROSS SECTIONS: IH 41 MEDIAN CROSSOVER STAGE 1B	SHEET 559	E

FILE NAME : Z:\Racine\CADDS\WZ Prep_142-G\CDS\090206_xs_IH94MEDIAN_CROSSOVER 20.dgn PLOT DATE : 12/11/2017 PLOT BY : james.buggs PLOT NAME : PLOT SCALE : 1:20

WISDOT/CADDS SHEET 21

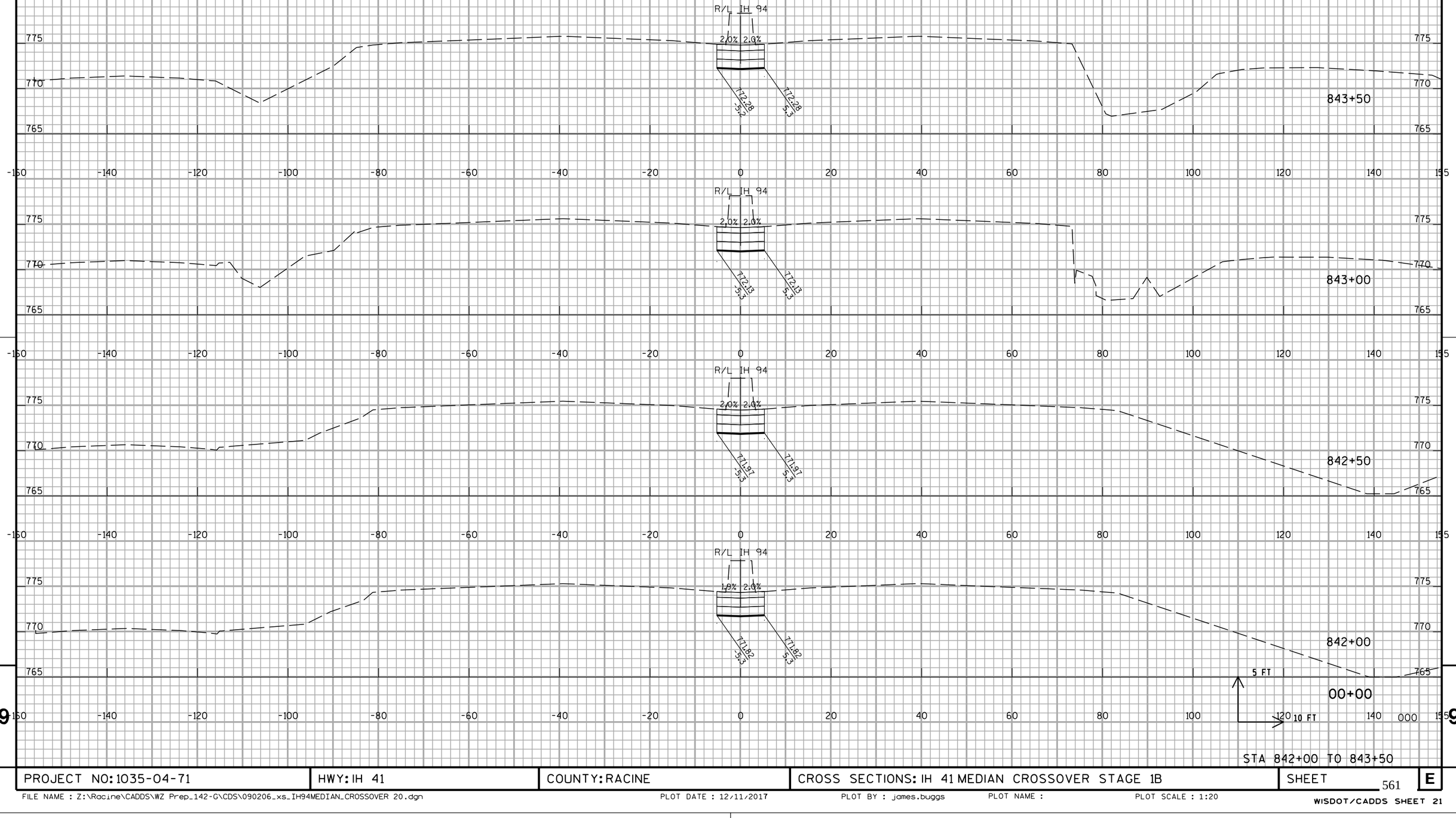


STA 840+00 TO 841+50

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	CROSS SECTIONS: IH 41 MEDIAN CROSSOVER STAGE 1B	SHEET 560	E

FILE NAME : Z:\Racine\CADDS\WZ Prep_142-G\CDS\090206_xs_IH94MEDIAN_CROSSOVER 20.dgn PLOT DATE : 12/11/2017 PLOT BY : james.buggs PLOT NAME : PLOT SCALE : 1:20

WISDOT/CADDS SHEET 21

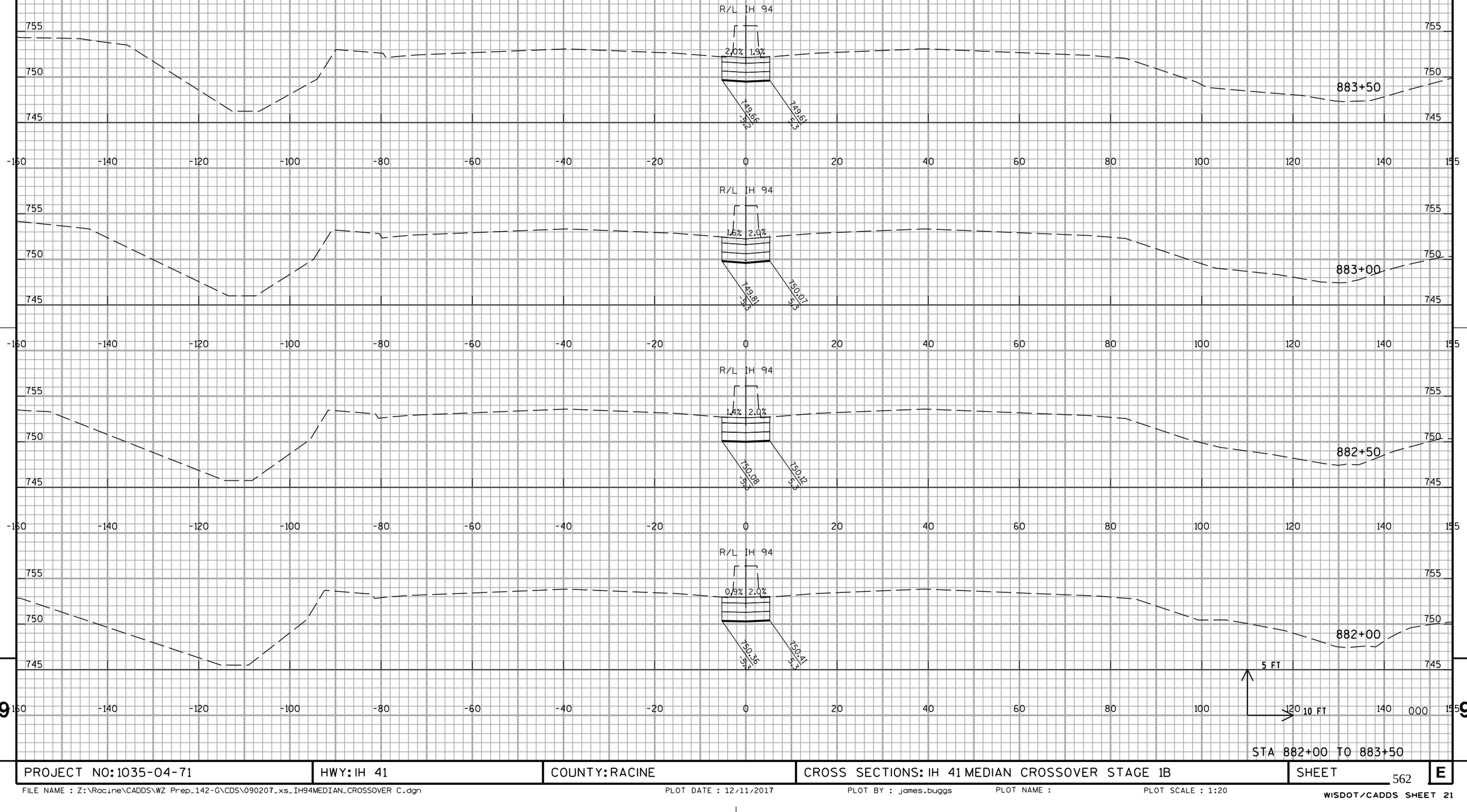


STA 842+00 TO 843+50

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	CROSS SECTIONS: IH 41 MEDIAN CROSSOVER STAGE 1B	SHEET 561	E

FILE NAME : Z:\Racine\CADDS\WZ Prep_142-G\CDS\090206_xs_IH94MEDIAN_CROSSOVER 20.dgn PLOT DATE : 12/11/2017 PLOT BY : james.buggs PLOT NAME : PLOT SCALE : 1:20

WISDOT/CADDS SHEET 21

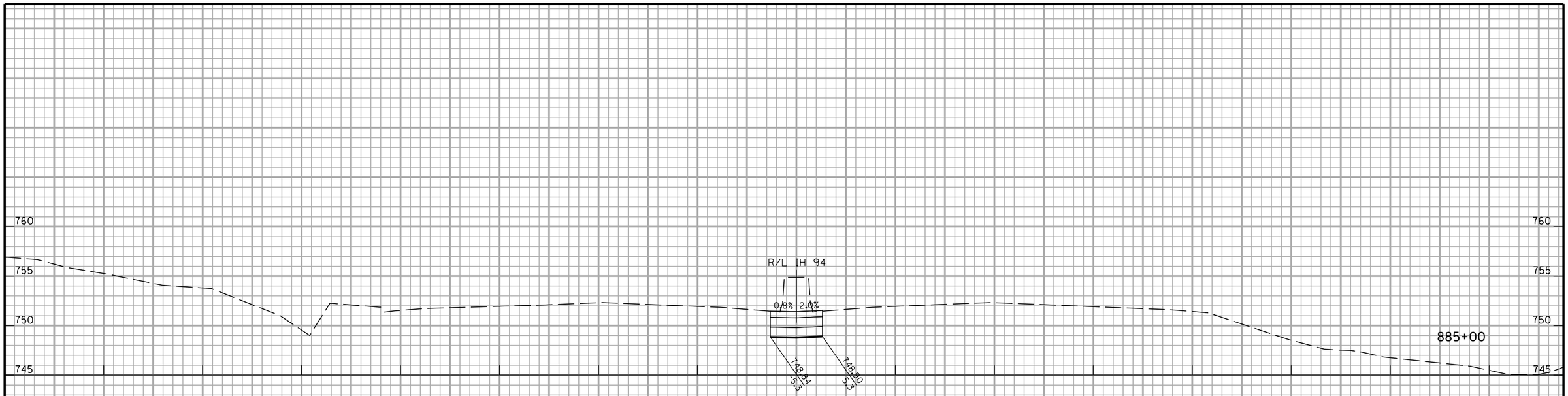


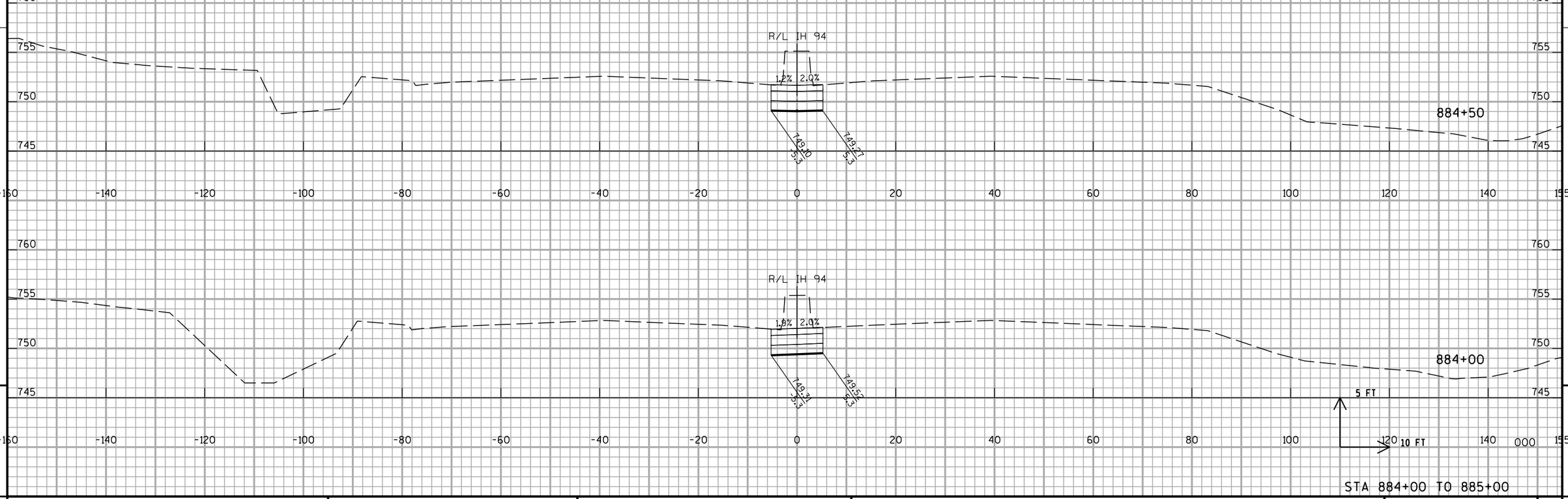
STA 882+00 TO 883+50

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	CROSS SECTIONS: IH 41 MEDIAN CROSSOVER STAGE 1B	SHEET 562	E

FILE NAME : Z:\Racine\CADDS\WZ Prep_142-G\CDS\090207_xs_IH94MEDIAN_CROSSOVER C.dgn | PLOT DATE : 12/11/2017 | PLOT BY : james.buggs | PLOT NAME : | PLOT SCALE : 1:20

WISDOT/CADDS SHEET 21



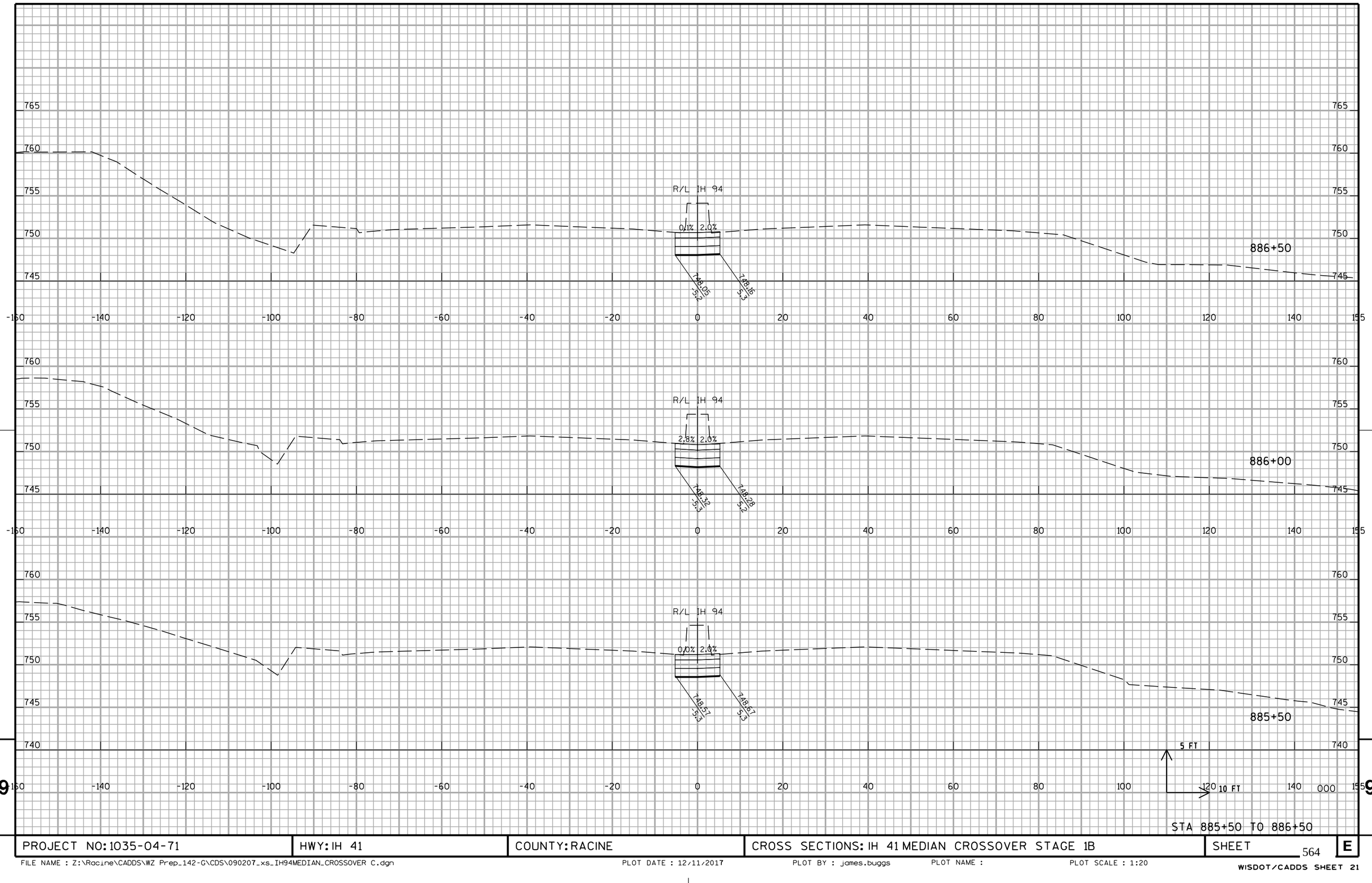


STA 884+00 TO 885+00

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	CROSS SECTIONS: IH 41 MEDIAN CROSSOVER STAGE 1B	SHEET 563	E

FILE NAME : Z:\Racine\CADDS\WZ Prep_142-G\CDS\090207_xs_IH94MEDIAN_CROSSOVER C.dgn PLOT DATE : 12/11/2017 PLOT BY : james.buggs PLOT NAME : PLOT SCALE : 1:20

WISDOT/CADDS SHEET 21



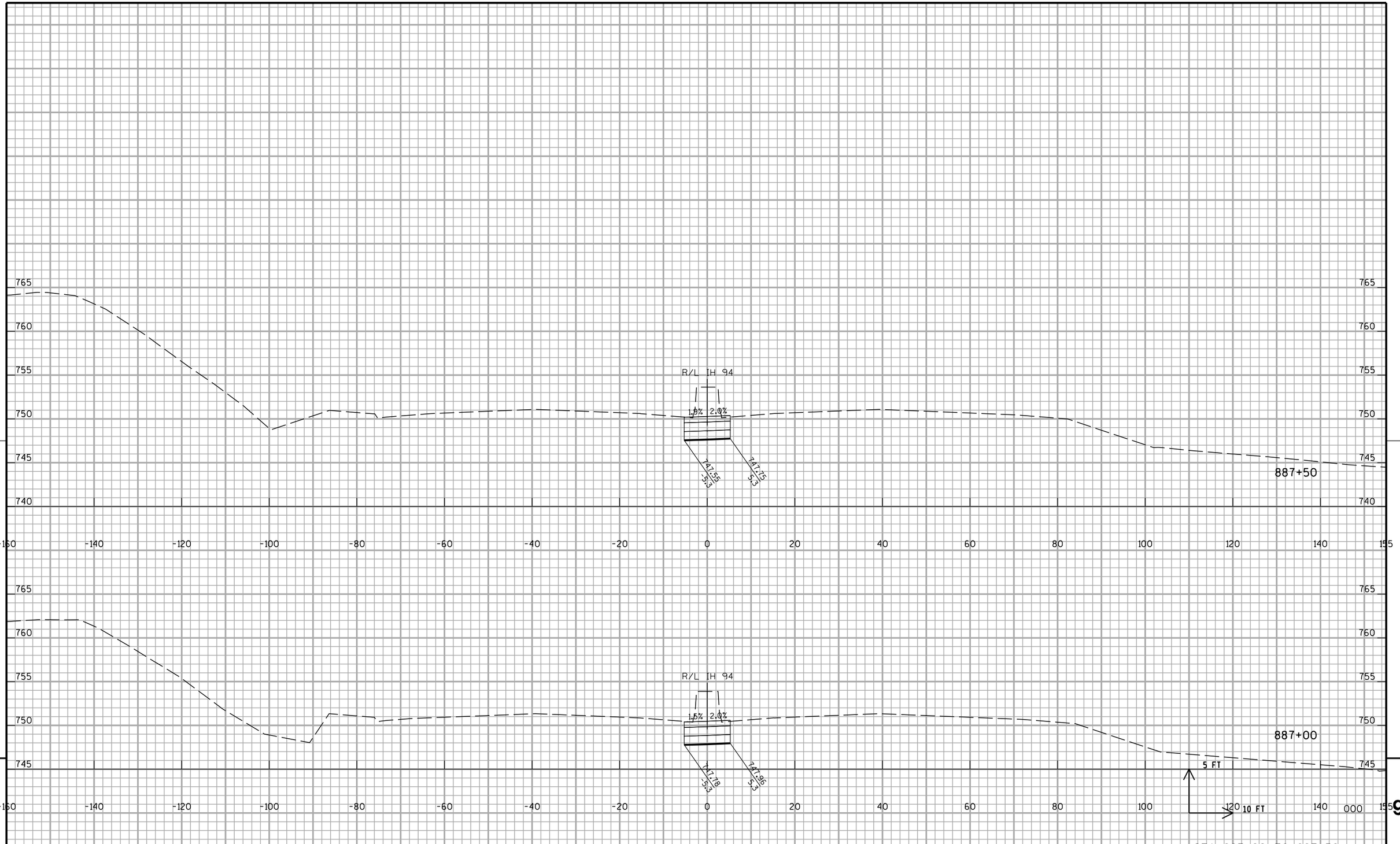
9

9

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	CROSS SECTIONS: IH 41 MEDIAN CROSSOVER STAGE 1B	SHEET 564	E

FILE NAME : Z:\Racine\CADDS\WZ Prep_142-G\CDS\090207_xs_IH94MEDIAN_CROSSOVER C.dgn | PLOT DATE : 12/11/2017 | PLOT BY : james.buggs | PLOT NAME : | PLOT SCALE : 1:20

WISDOT/CADDS SHEET 21

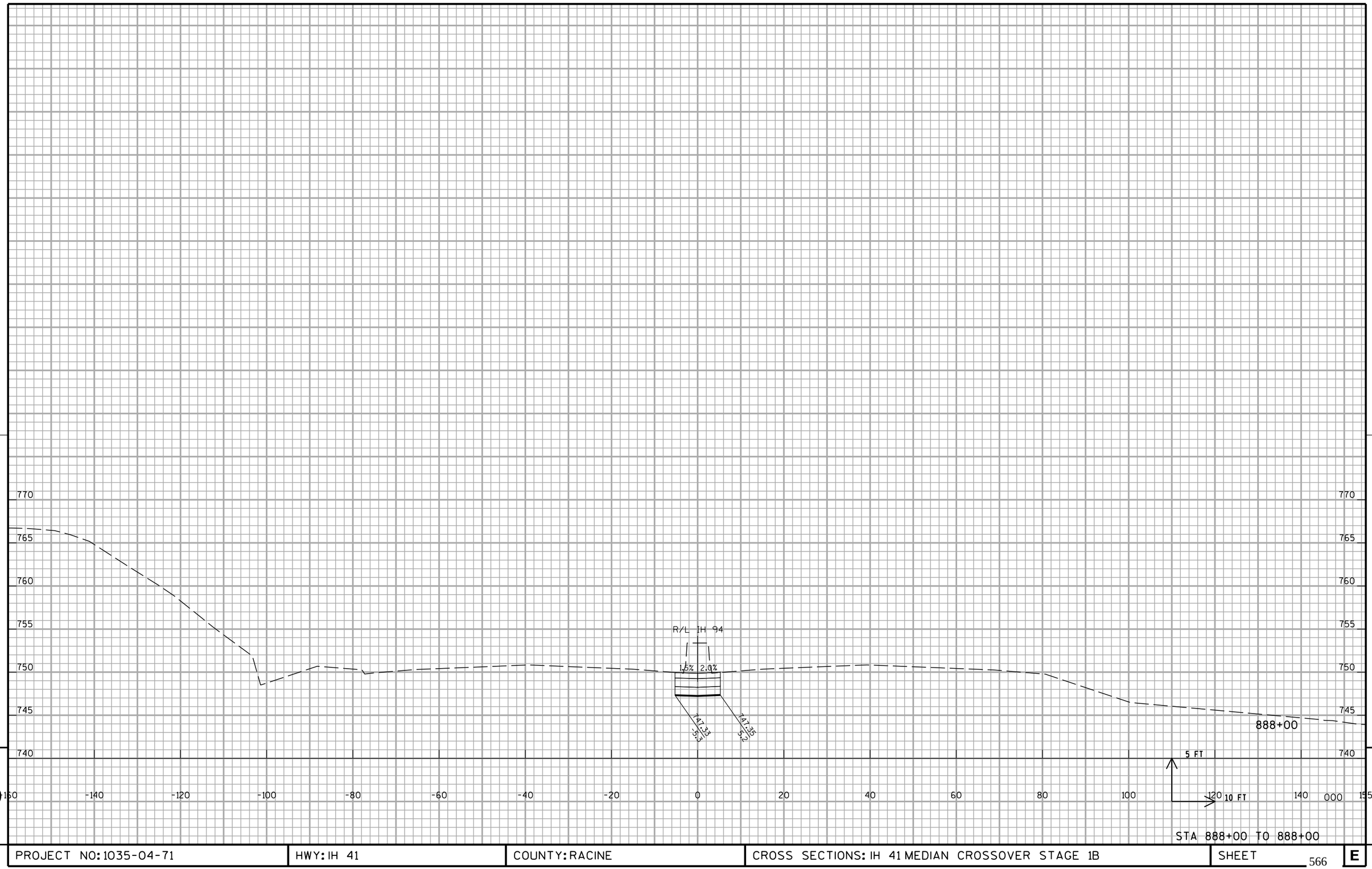


9

STA 887+00 TO 887+50

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	CROSS SECTIONS: IH 41 MEDIAN CROSSOVER STAGE 1B	SHEET 565	E

FILE NAME : Z:\Racine\CADDS\WZ Prep_142-G\CDS\090207_xs_IH94MEDIAN_CROSSOVER C.dgn PLOT DATE : 12/11/2017 PLOT BY : james.buggs PLOT NAME : PLOT SCALE : 1:20

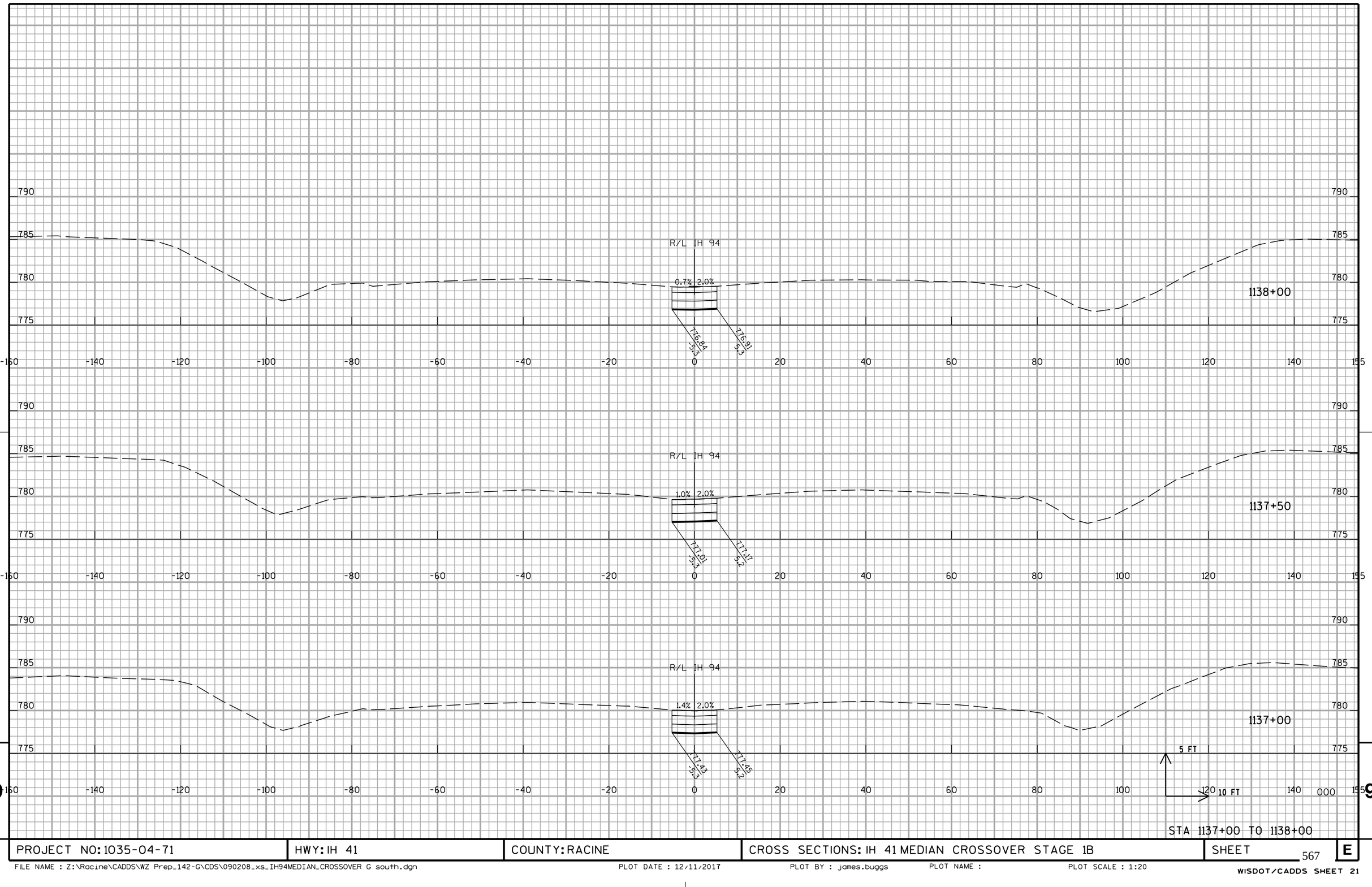


STA 888+00 TO 888+00

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	CROSS SECTIONS: IH 41 MEDIAN CROSSOVER STAGE 1B	SHEET 566	E

FILE NAME : Z:\Racine\CADDS\WZ Prep_142-G\CDS\090207_xs_IH94MEDIAN_CROSSOVER C.dgn PLOT DATE : 12/11/2017 PLOT BY : james.buggs PLOT NAME : PLOT SCALE : 1:20

WISDOT/CADDS SHEET 21

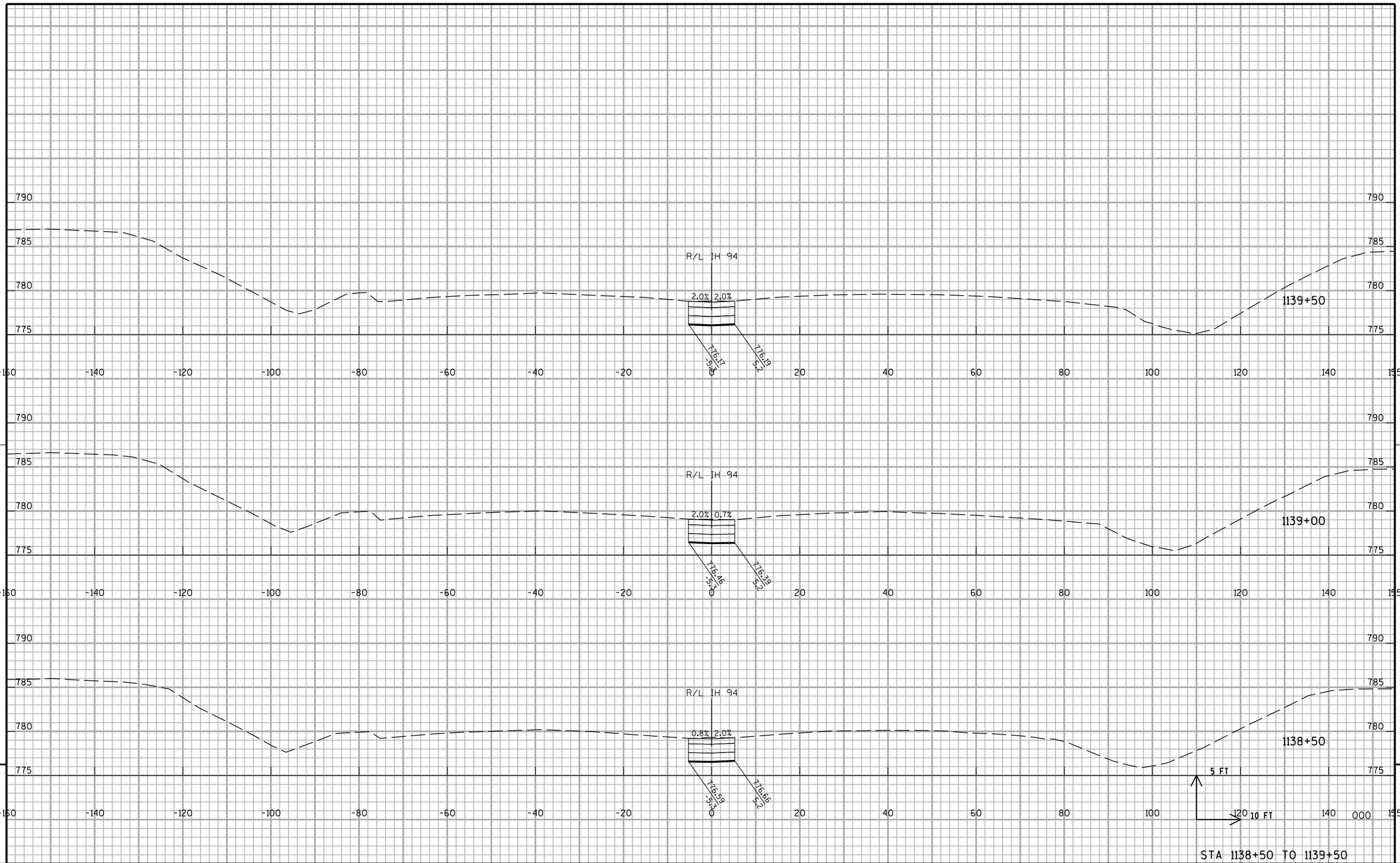


STA 1137+00 TO 1138+00

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	CROSS SECTIONS: IH 41 MEDIAN CROSSOVER STAGE 1B	SHEET 567	E

FILE NAME : Z:\Racine\CADDS\WZ Prep_142-G\CDS\090208_xs_IH94MEDIAN_CROSSOVER G south.dgn PLOT DATE : 12/11/2017 PLOT BY : james.buggs PLOT NAME : PLOT SCALE : 1:20

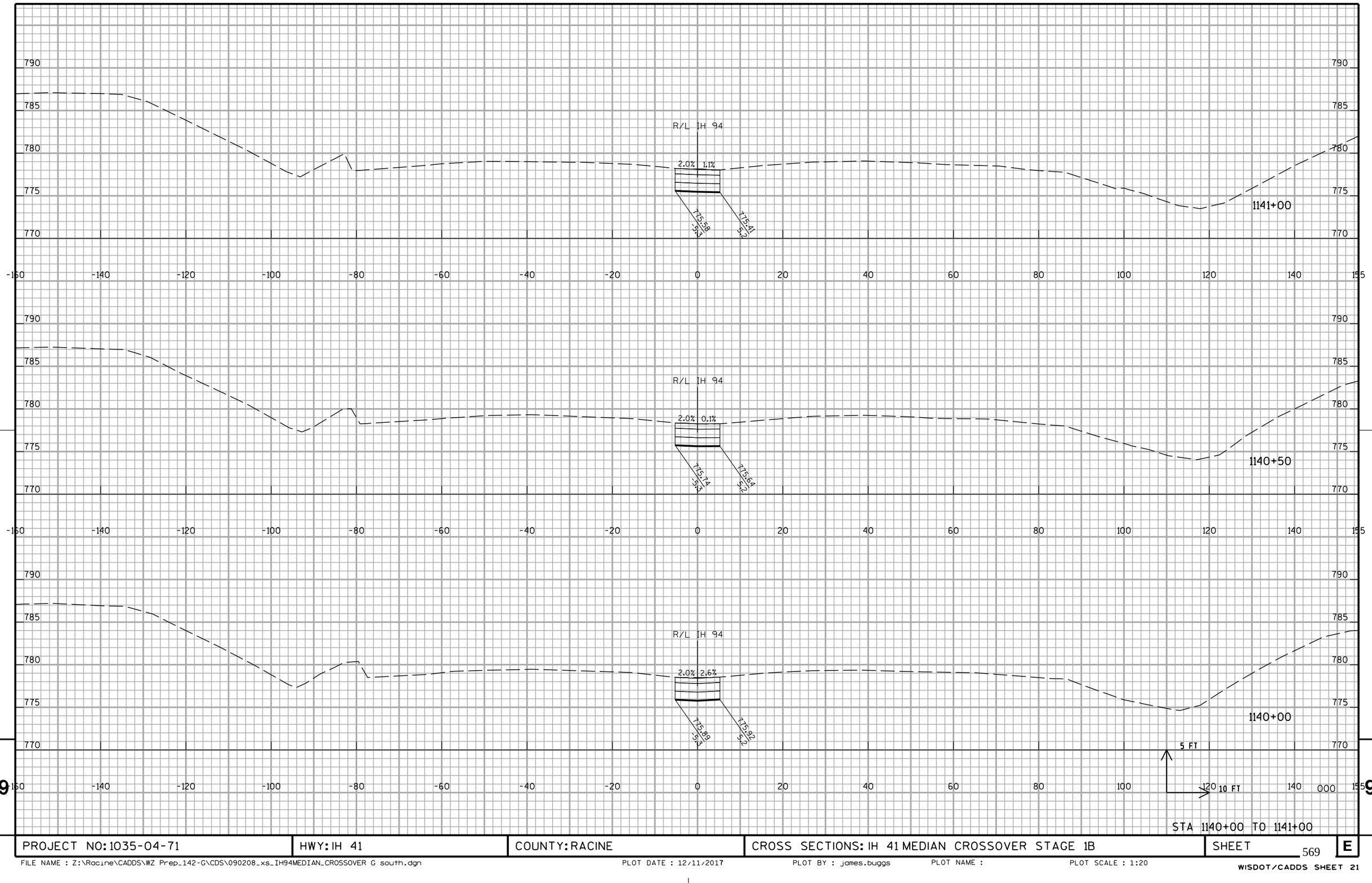
WISDOT/CADDS SHEET 21



PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	CROSS SECTIONS: IH 41 MEDIAN CROSSOVER STAGE 1B	SHEET 568	E

FILE NAME : Z:\Racine\CADDS\WZ Prep_142-G\CDS\090208_xs_IH94MEDIAN_CROSSOVER G south.dgn | PLOT DATE : 12/11/2017 | PLOT BY : james.buggs | PLOT NAME : | PLOT SCALE : 1:20

WISDOT/CADDS SHEET 21

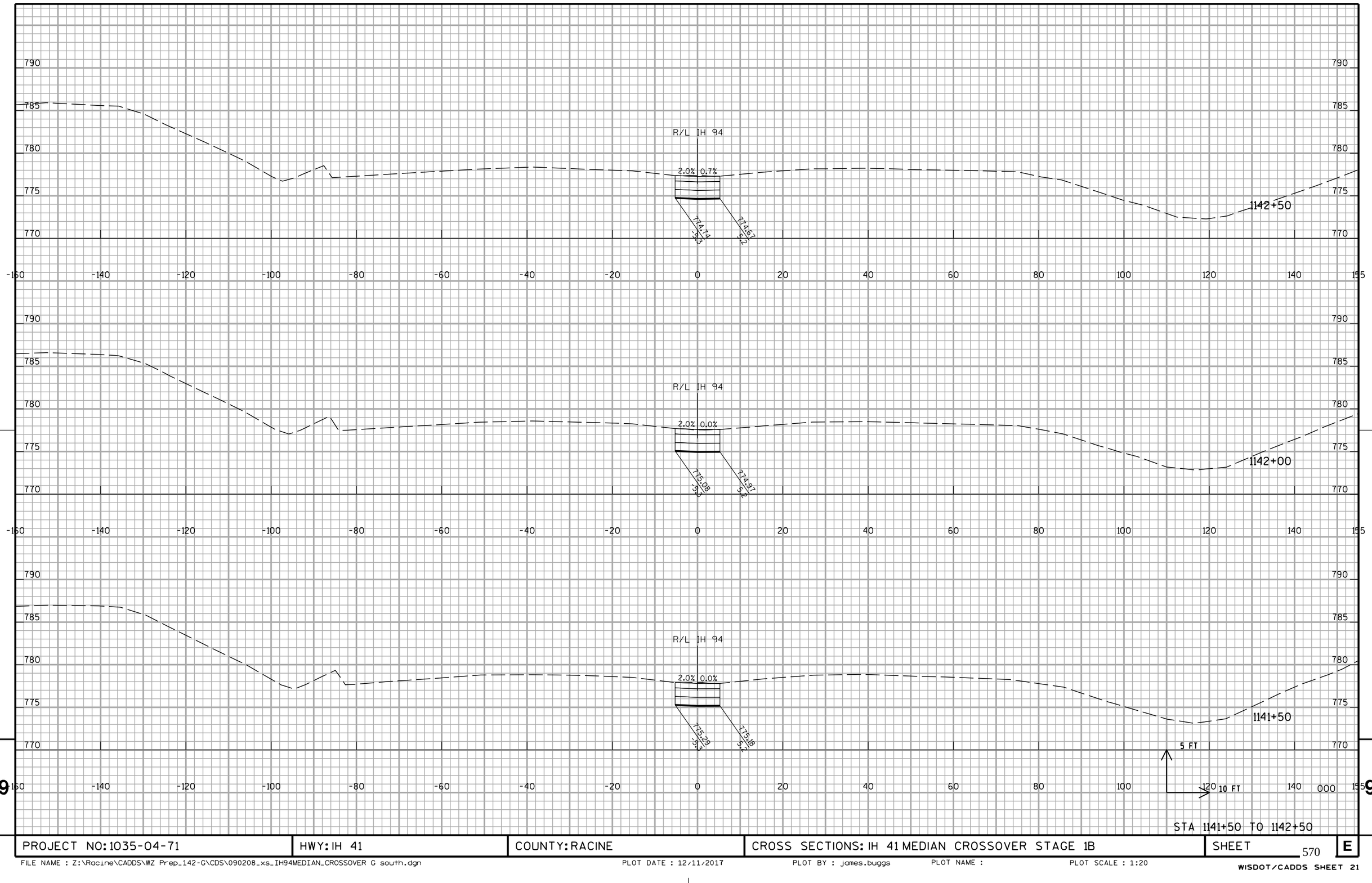


STA 1140+00 TO 1141+00

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	CROSS SECTIONS: IH 41 MEDIAN CROSSOVER STAGE 1B	SHEET 569	E

FILE NAME : Z:\Racine\CADDS\WZ Prep_142-G\CDS\090208_xs_IH94MEDIAN_CROSSOVER G south.dgn PLOT DATE : 12/11/2017 PLOT BY : james.buggs PLOT NAME : PLOT SCALE : 1:20

WISDOT/CADDS SHEET 21

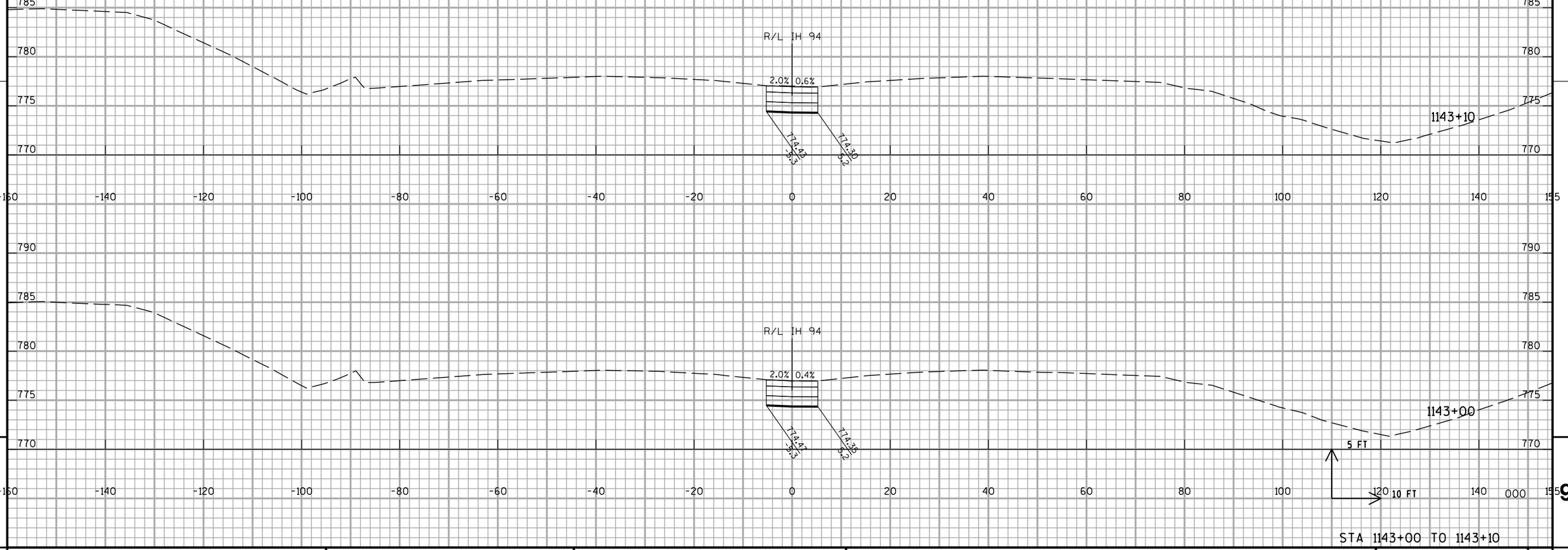


STA 1141+50 TO 1142+50

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	CROSS SECTIONS: IH 41 MEDIAN CROSSOVER STAGE 1B	SHEET 570	E

FILE NAME : Z:\Racine\CADDS\WZ Prep_142-G\CDS\090208_xs_IH94MEDIAN_CROSSOVER G south.dgn PLOT DATE : 12/11/2017 PLOT BY : james.buggs PLOT NAME : PLOT SCALE : 1:20

WISDOT/CADDS SHEET 21

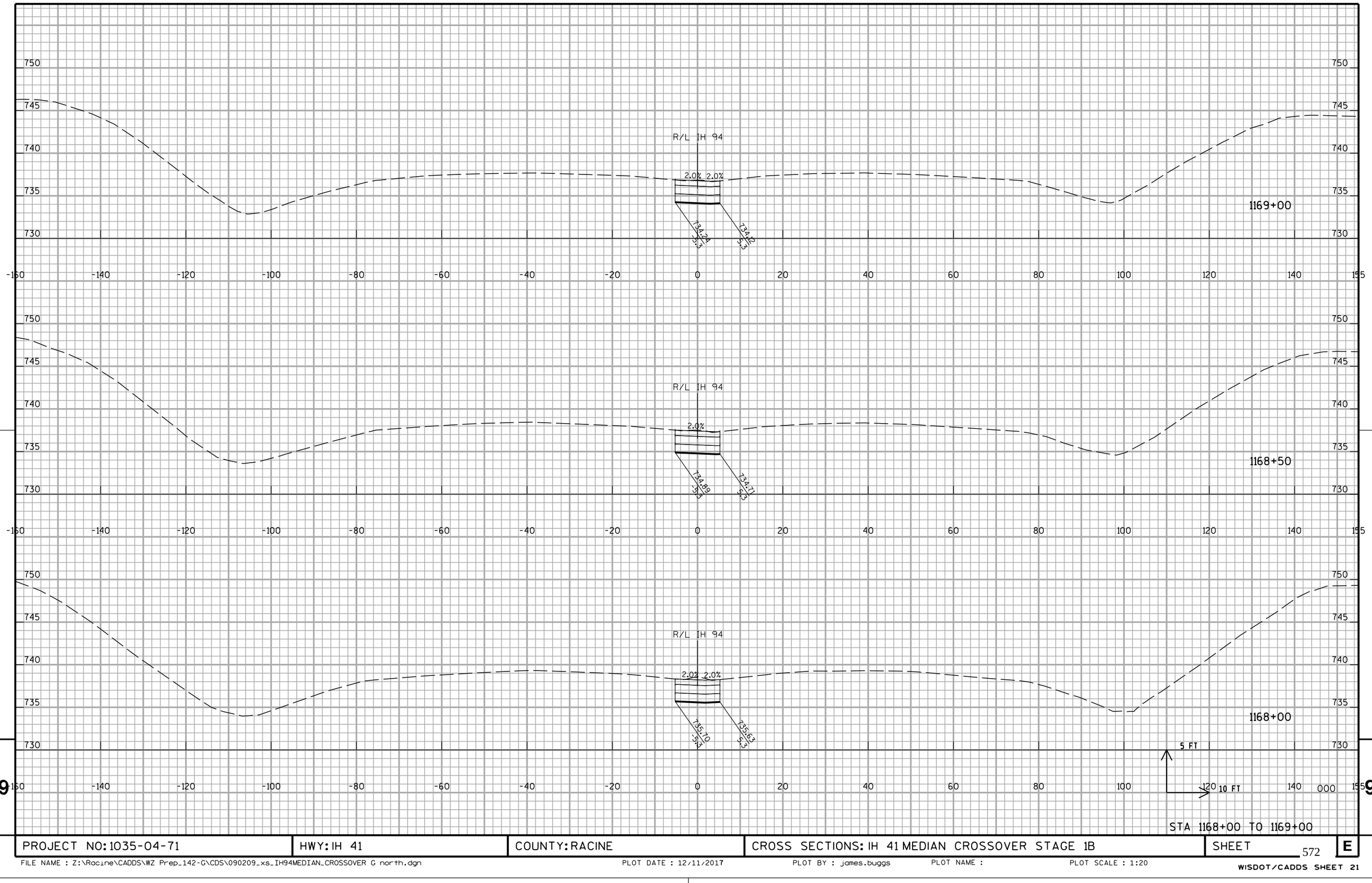


STA 1143+00 TO 1143+10

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	CROSS SECTIONS: IH 41 MEDIAN CROSSOVER STAGE 1B	SHEET 571	E

FILE NAME : Z:\Racine\CADDS\WZ Prep_142-G\CDS\090208_xs_IH94MEDIAN_CROSSOVER G south.dgn PLOT DATE : 12/11/2017 PLOT BY : james.buggs PLOT NAME : PLOT SCALE : 1:20

WISDOT/CADDS SHEET 21



9

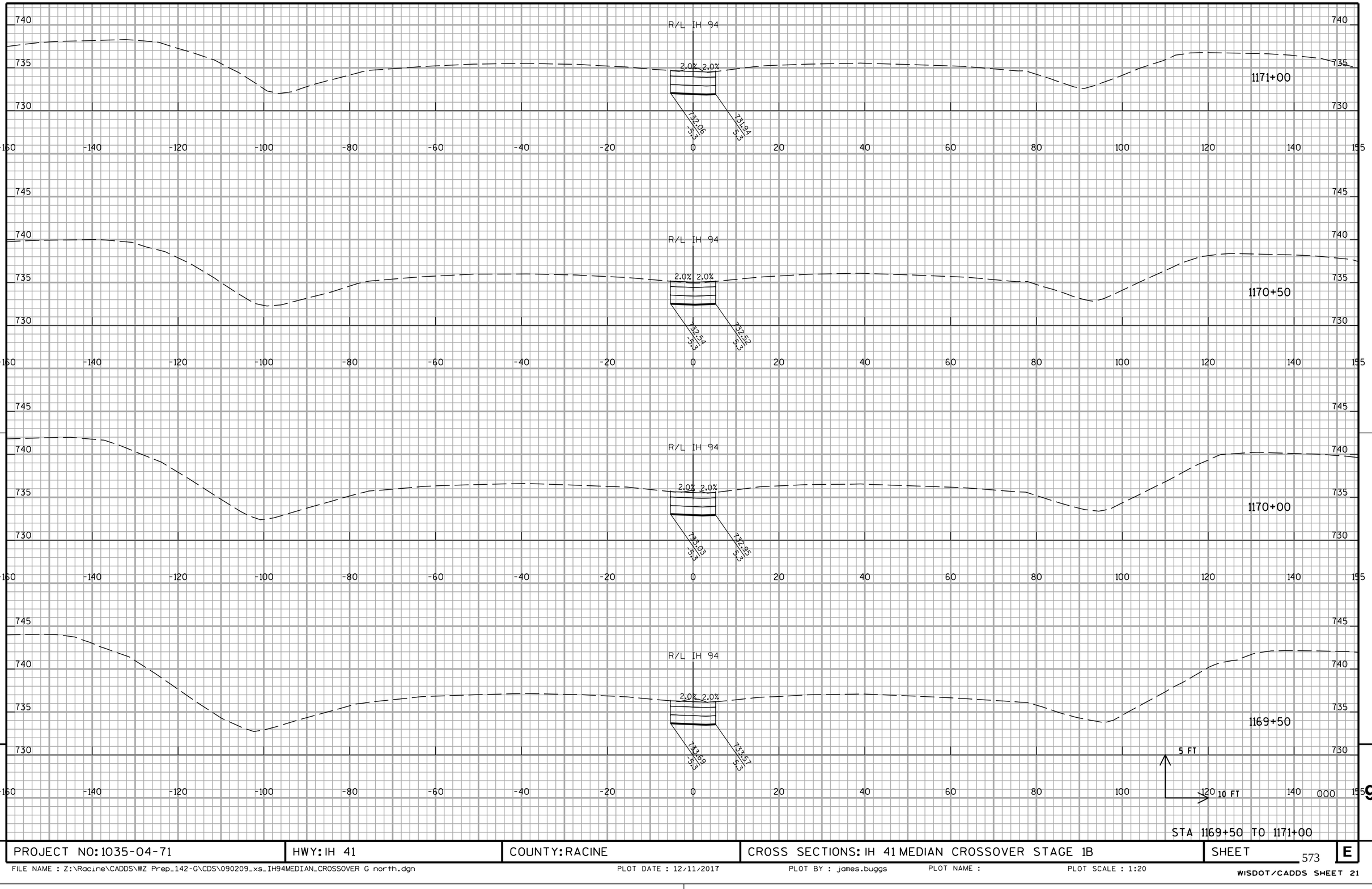
STA 1168+00 TO 1169+00

9

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	CROSS SECTIONS: IH 41 MEDIAN CROSSOVER STAGE 1B	SHEET 572	E

FILE NAME : Z:\Racine\CADDS\WZ Prep_142-G\CDS\090209_xs_IH94MEDIAN_CROSSOVER G north.dgn PLOT DATE : 12/11/2017 PLOT BY : james.buggs PLOT NAME : PLOT SCALE : 1:20

WISDOT/CADDS SHEET 21

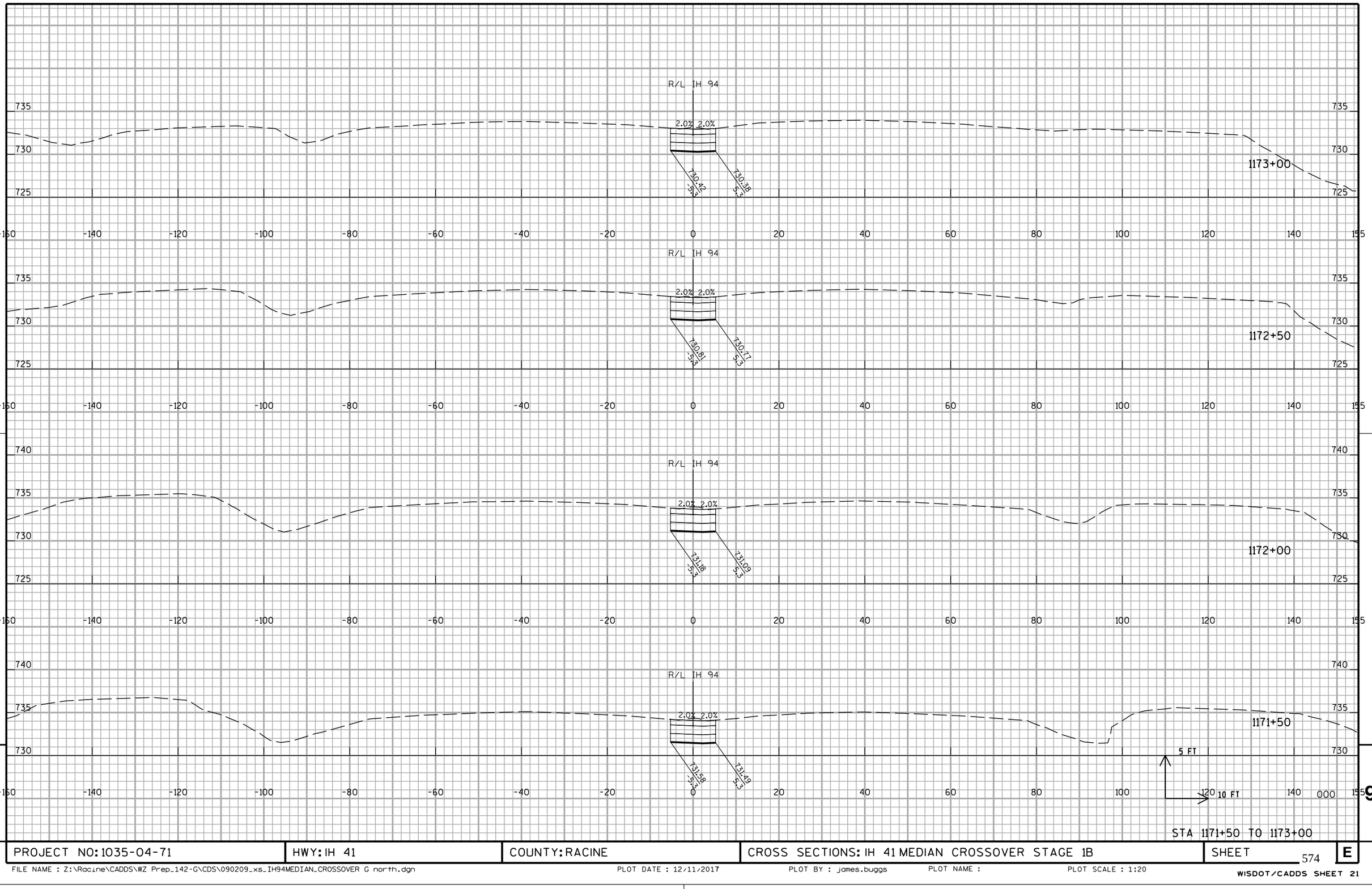


STA 1169+50 TO 1171+00

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	CROSS SECTIONS: IH 41 MEDIAN CROSSOVER STAGE 1B	SHEET 573	E

FILE NAME : Z:\Racine\CADDS\WZ Prep_142-G\CDS\090209_xs_IH94MEDIAN_CROSSOVER G north.dgn PLOT DATE : 12/11/2017 PLOT BY : james.buggs PLOT NAME : PLOT SCALE : 1:20

WISDOT/CADDS SHEET 21

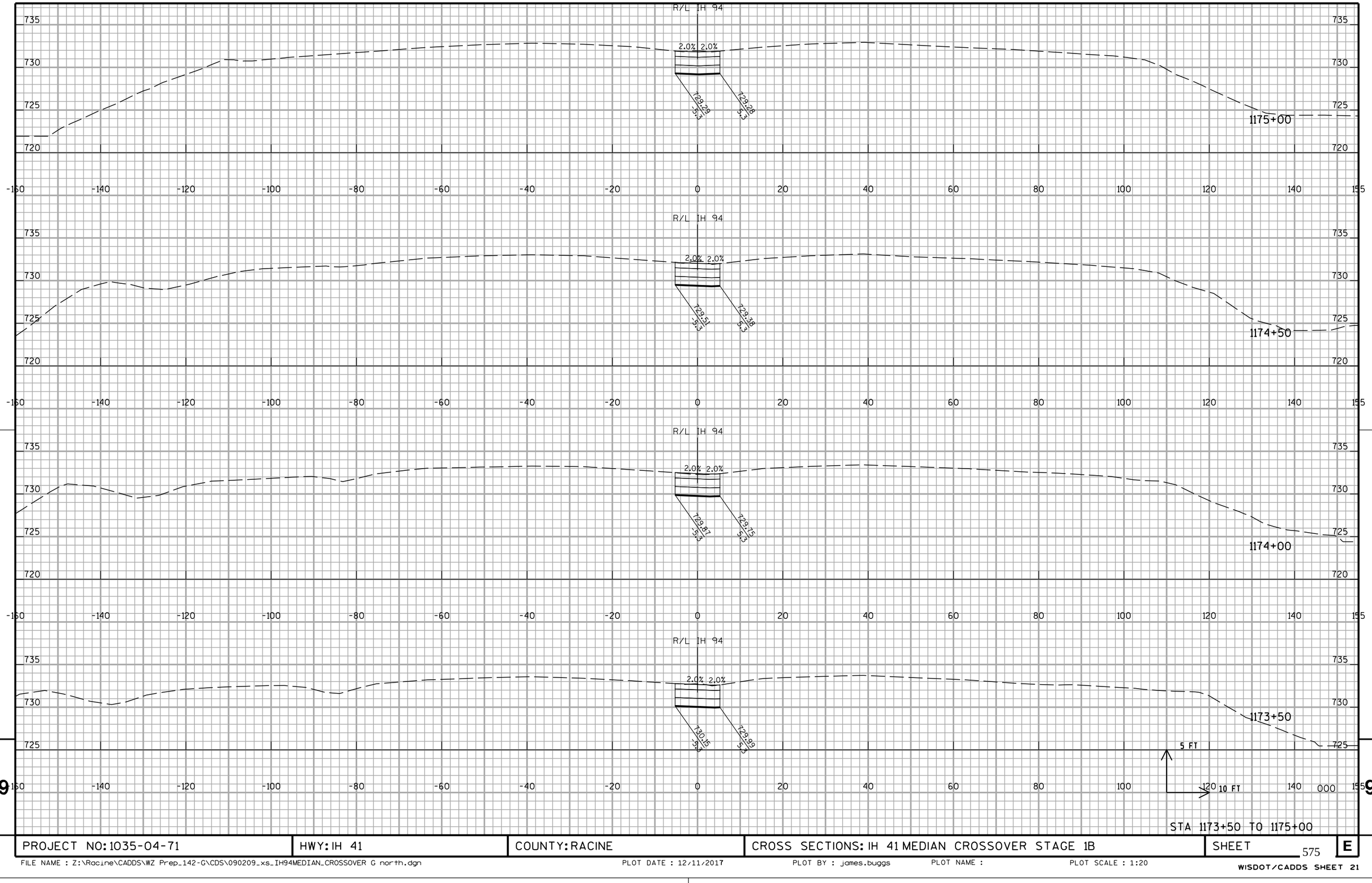


STA 1171+50 TO 1173+00

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	CROSS SECTIONS: IH 41 MEDIAN CROSSOVER STAGE 1B	SHEET 574	E

FILE NAME : Z:\Racine\CADDS\WZ Prep_142-G\CDS\090209_xs_IH94MEDIAN_CROSSOVER G north.dgn PLOT DATE : 12/11/2017 PLOT BY : james.buggs PLOT NAME : PLOT SCALE : 1:20

WISDOT/CADDS SHEET 21



9

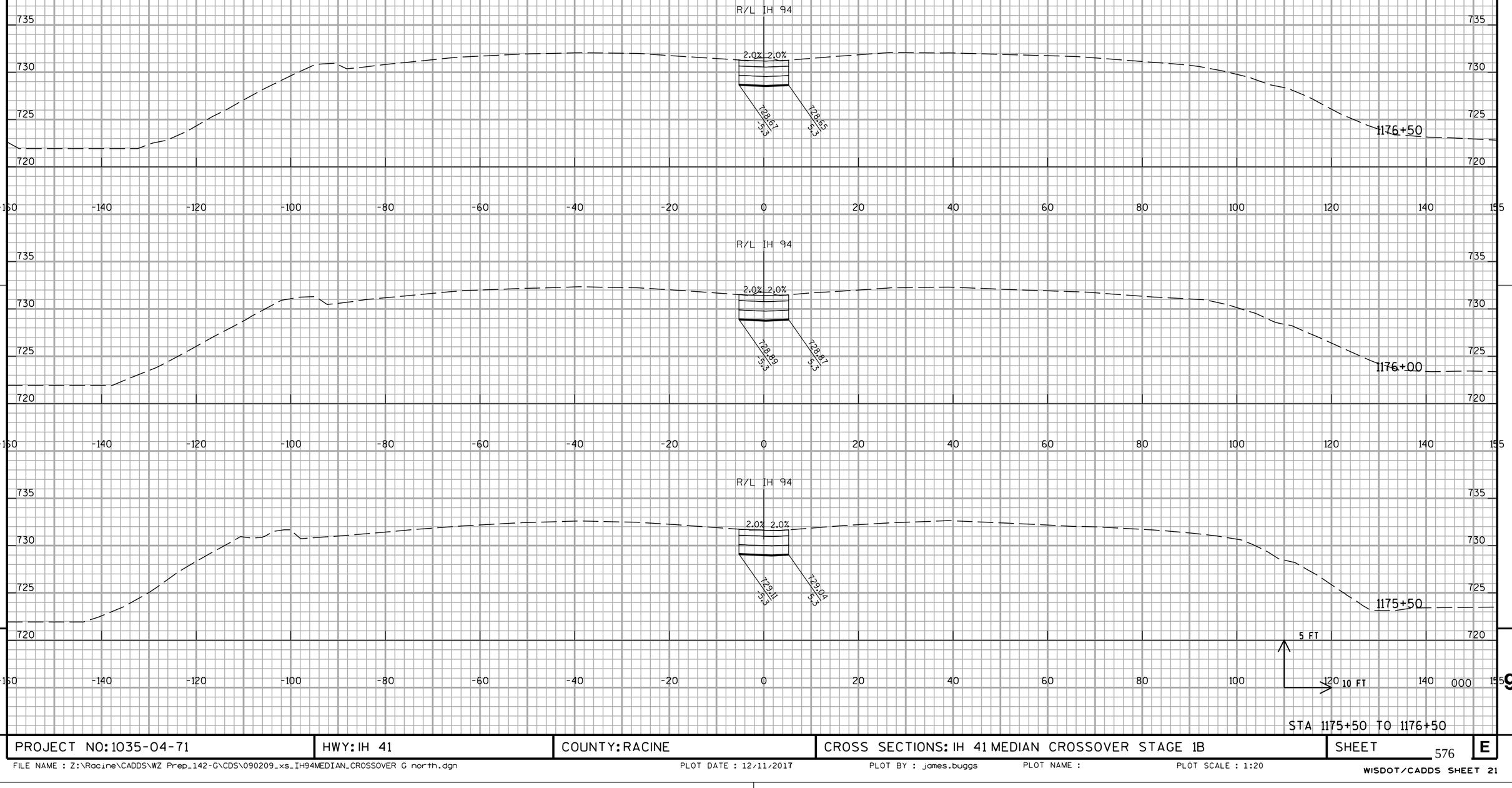
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STA 1173+50 TO 1175+00

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	CROSS SECTIONS: IH 41 MEDIAN CROSSOVER STAGE 1B	SHEET 575	E

FILE NAME : Z:\Racine\CADDS\WZ Prep_142-G\CDS\090209_xs_IH94MEDIAN_CROSSOVER G north.dgn PLOT DATE : 12/11/2017 PLOT BY : james.buggs PLOT NAME : PLOT SCALE : 1:20

WISDOT/CADDS SHEET 21

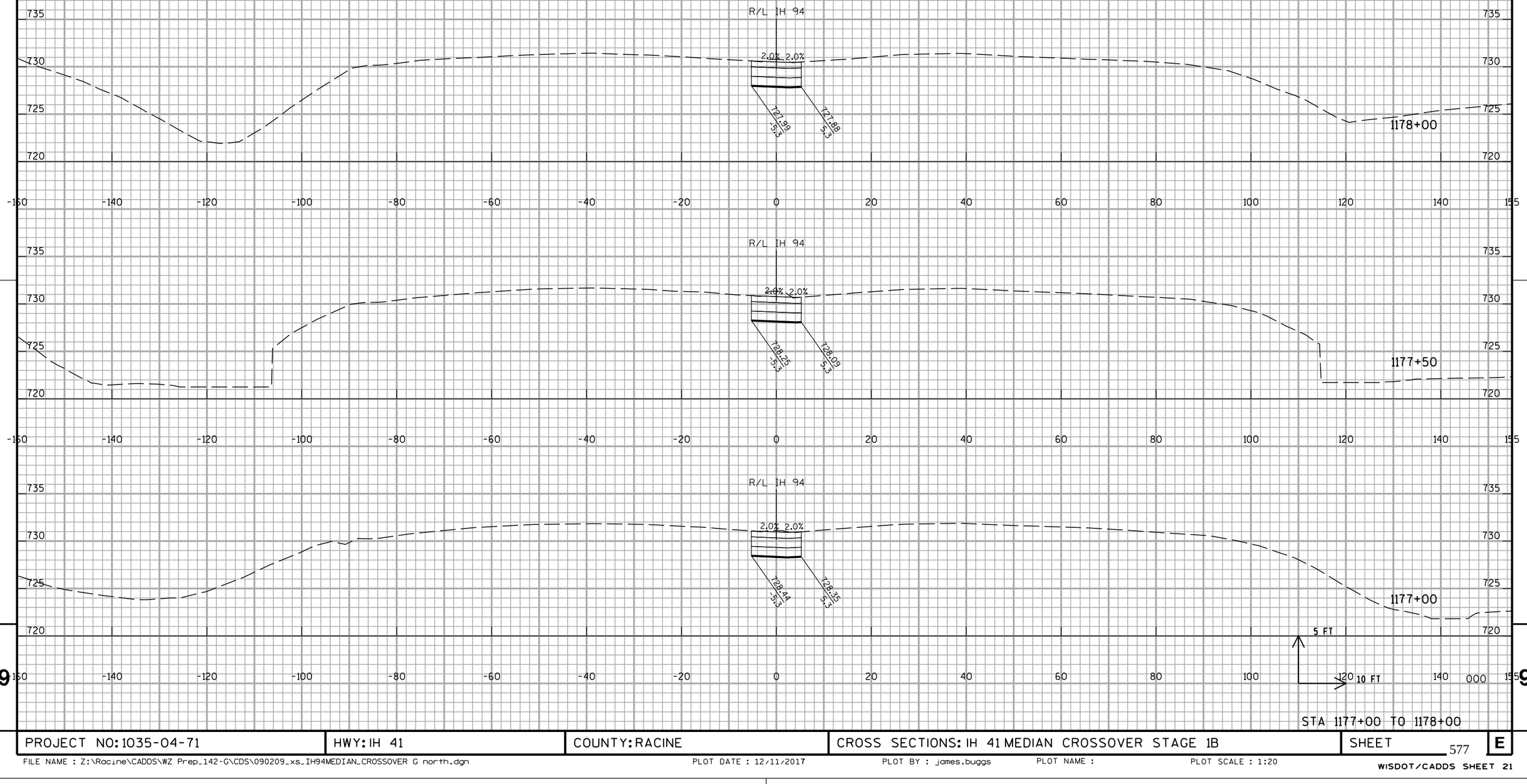


STA 1175+50 TO 1176+50

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	CROSS SECTIONS: IH 41 MEDIAN CROSSOVER STAGE 1B	SHEET 576	E

FILE NAME : Z:\Racine\CADDS\WZ Prep_142-G\CDS\090209_xs_IH94MEDIAN_CROSSOVER G north.dgn PLOT DATE : 12/11/2017 PLOT BY : james.buggs PLOT NAME : PLOT SCALE : 1:20

WISDOT/CADDS SHEET 21

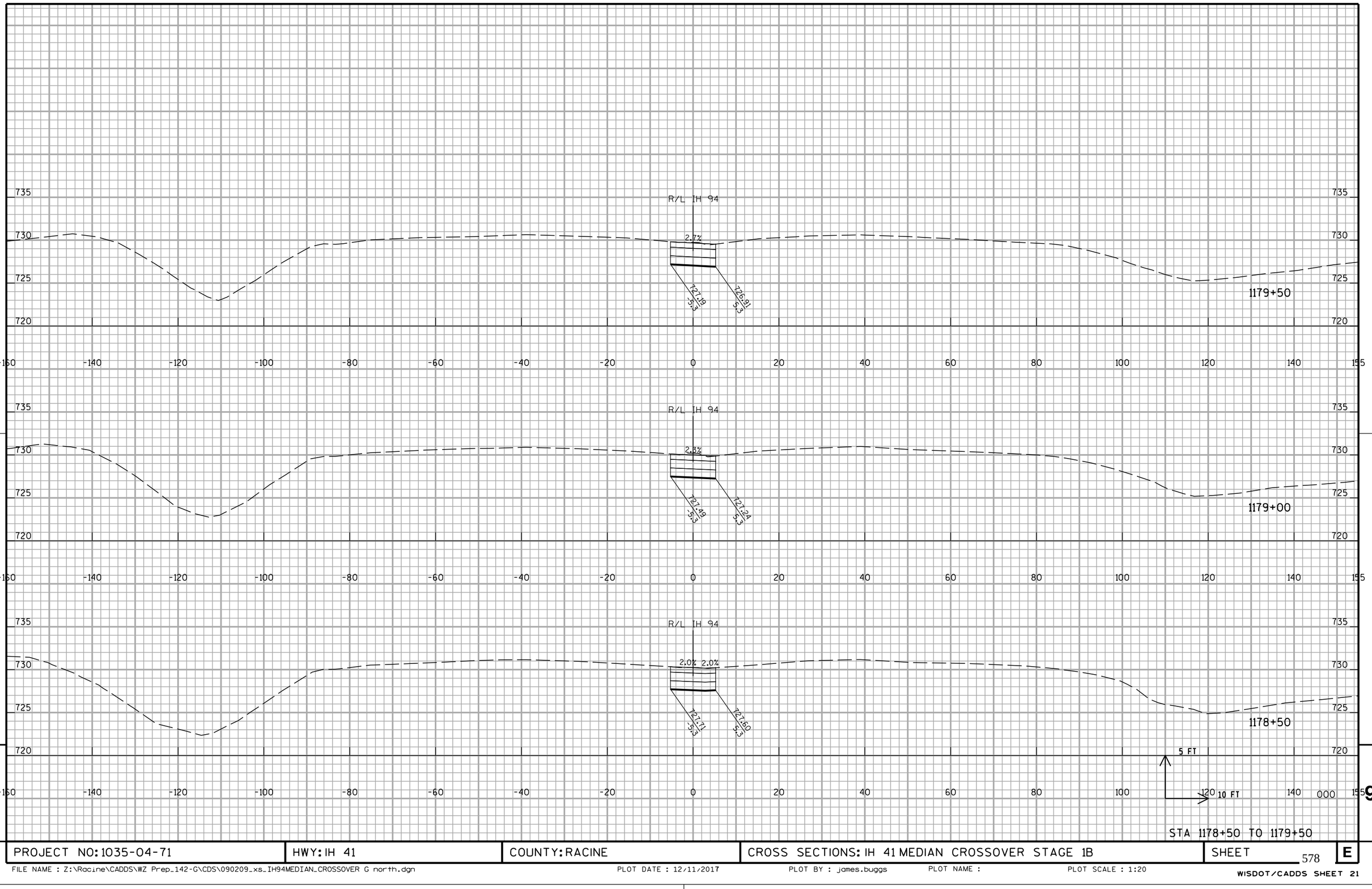


STA 1177+00 TO 1178+00

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	CROSS SECTIONS: IH 41 MEDIAN CROSSOVER STAGE 1B	SHEET 577	E

FILE NAME : Z:\Racine\CADDS\WZ Prep_142-G\CDS\090209_xs_IH94MEDIAN_CROSSOVER G north.dgn PLOT DATE : 12/11/2017 PLOT BY : james.buggs PLOT NAME : PLOT SCALE : 1:20

WISDOT/CADDS SHEET 21



STA 1178+50 TO 1179+50

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	CROSS SECTIONS: IH 41 MEDIAN CROSSOVER STAGE 1B	SHEET 578	E

FILE NAME : Z:\Racine\CADDS\WZ Prep_142-G\CDS\090209_xs_IH94MEDIAN_CROSSOVER G north.dgn | PLOT DATE : 12/11/2017 | PLOT BY : james.buggs | PLOT NAME : | PLOT SCALE : 1:20

WISDOT/CADDS SHEET 21

9

9

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	CROSS SECTIONS: IH 41 MEDIAN CROSSOVER STAGE 1B	SHEET 579	E

FILE NAME : Z:\Racine\CADDS\WZ Prep_142-G\CDS\090209_xs_IH94MEDIAN_CROSSOVER G north.dgn PLOT DATE : 12/11/2017 PLOT BY : james.buggs PLOT NAME : PLOT SCALE : 1:20

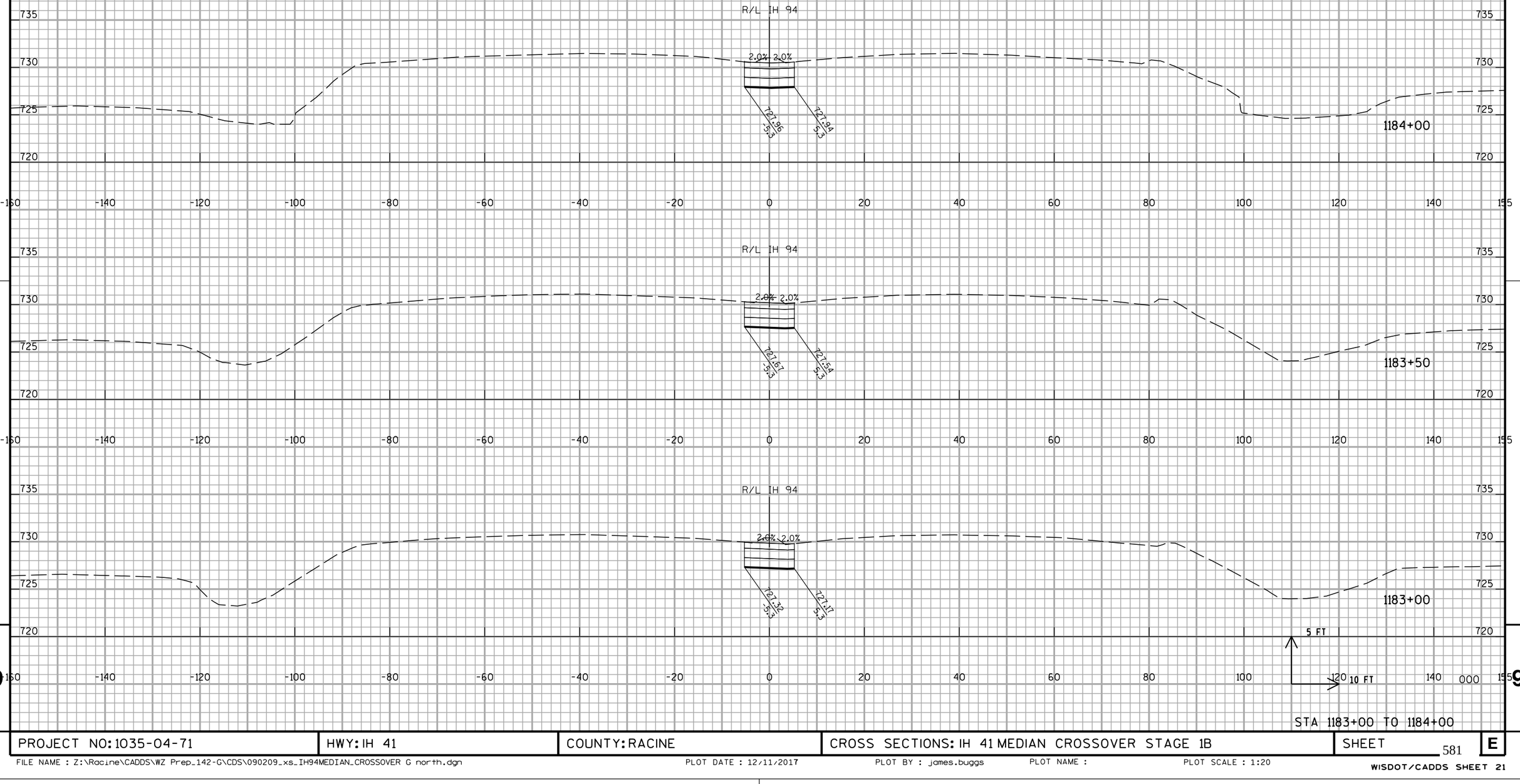
WISDOT/CADDS SHEET 21

STA 1181+50 TO 1182+50

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	CROSS SECTIONS: IH 41 MEDIAN CROSSOVER STAGE 1B	SHEET 580	E

FILE NAME : Z:\Racine\CADDS\WZ Prep_142-G\CDS\090209_xs_IH94MEDIAN_CROSSOVER G north.dgn PLOT DATE : 12/11/2017 PLOT BY : james.buggs PLOT NAME : PLOT SCALE : 1:20

WISDOT/CADDS SHEET 21

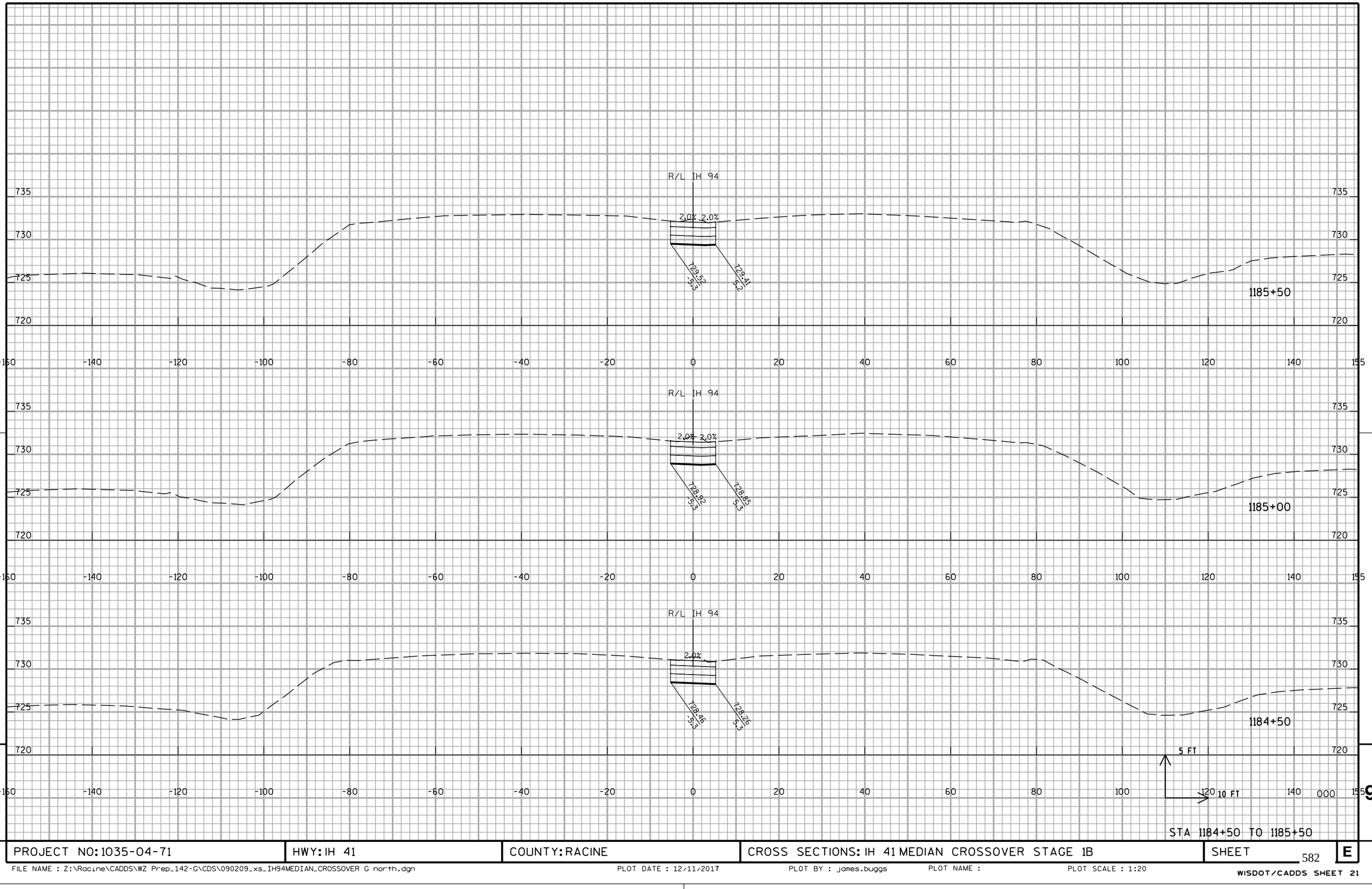


STA 1183+00 TO 1184+00

PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	CROSS SECTIONS: IH 41 MEDIAN CROSSOVER STAGE 1B	SHEET 581	E

FILE NAME : Z:\Racine\CADDS\WZ Prep_142-G\CDS\090209_xs_IH94MEDIAN_CROSSOVER G north.dgn PLOT DATE : 12/11/2017 PLOT BY : james.buggs PLOT NAME : PLOT SCALE : 1:20

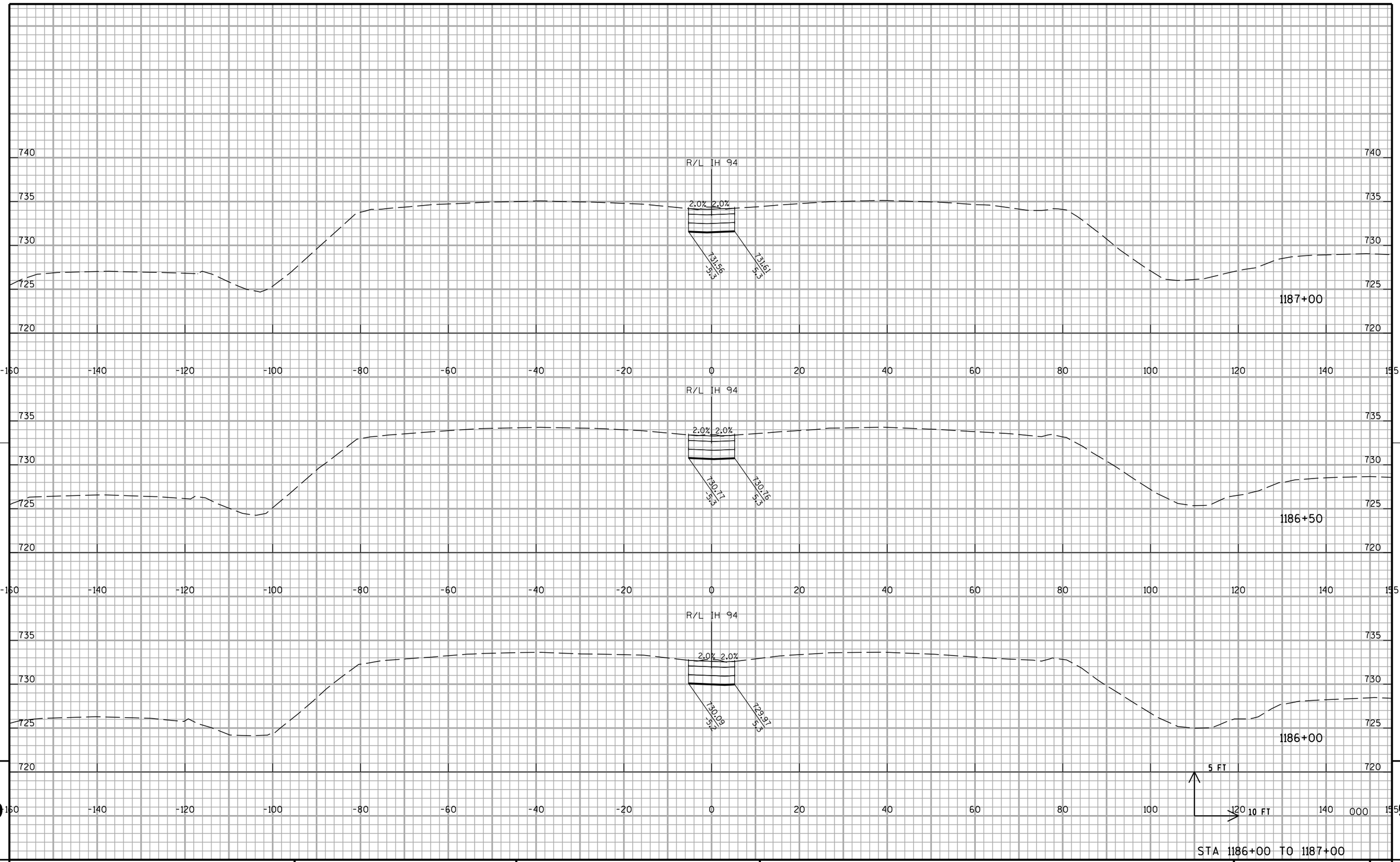
WISDOT/CADDS SHEET 21



PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	CROSS SECTIONS: IH 41 MEDIAN CROSSOVER STAGE 1B	SHEET 582	E

FILE NAME : Z:\Racine\CADDS\WZ Prep_142-G\CDS\090209_xs_IH94MEDIAN_CROSSOVER G north.dgn PLOT DATE : 12/11/2017 PLOT BY : james.buggs PLOT NAME : PLOT SCALE : 1:20

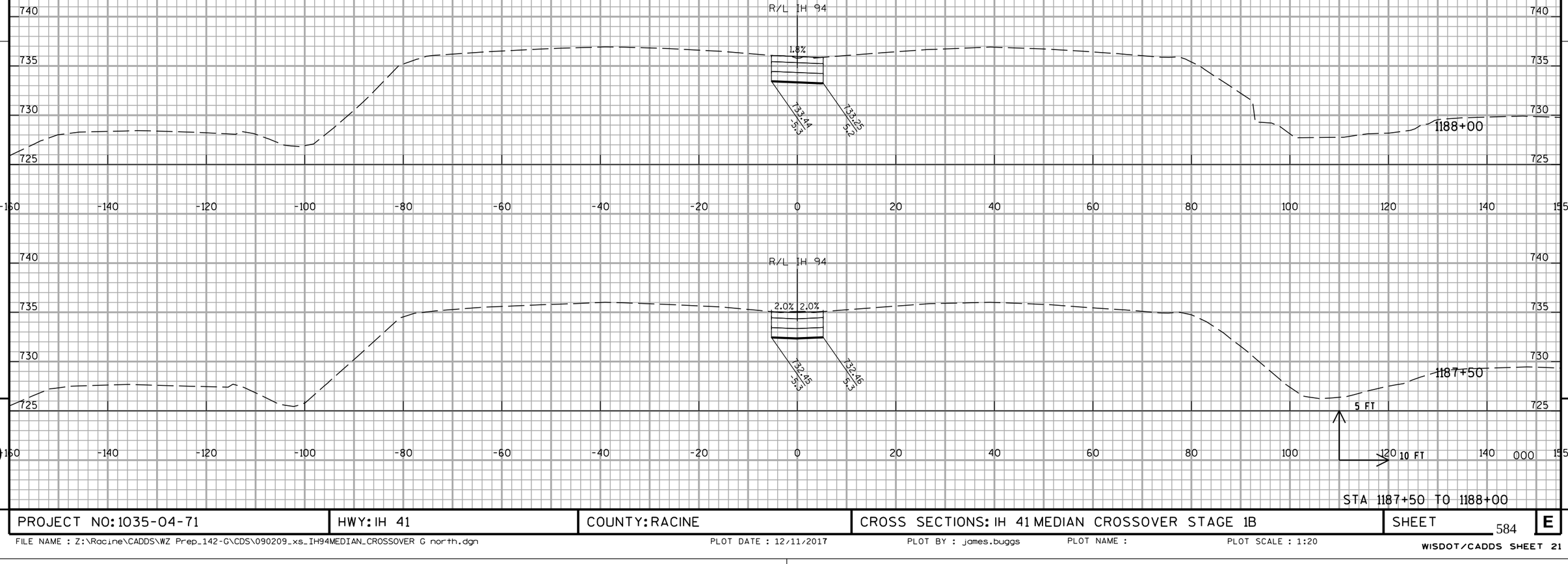
WISDOT/CADDS SHEET 21



PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	CROSS SECTIONS: IH 41 MEDIAN CROSSOVER STAGE 1B	SHEET 583	E

FILE NAME : Z:\Racine\CADDS\WZ Prep_142-G\CDS\090209_xs_IH94MEDIAN_CROSSOVER G north.dgn PLOT DATE : 12/11/2017 PLOT BY : james.buggs PLOT NAME : PLOT SCALE : 1:20

WISDOT/CADDS SHEET 21



PROJECT NO: 1035-04-71	HWY: IH 41	COUNTY: RACINE	CROSS SECTIONS: IH 41 MEDIAN CROSSOVER STAGE 1B	SHEET 584	E

FILE NAME : Z:\Racine\CADDS\WZ Prep_142-G\CDS\090209_xs_IH94MEDIAN_CROSSOVER G north.dgn PLOT DATE : 12/11/2017 PLOT BY : james.buggs PLOT NAME : PLOT SCALE : 1:20

WISDOT/CADDS SHEET 21

Notes

Wisconsin Department of Transportation

Dedicated people creating transportation solutions
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