EAU MAY 2013

PROJECT ID: 1022-08-73
WITH: N/A

COUNTY: EAU CLAIRE

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 = 1424



46

N

DESIGN DESIGNATION

A.D.T. (2013)	=	32,100
A.D.T. (2033)	=	41,000
D.H.V.	=	4,305
D.D.	=	58/42
T.	=	25.3%
DESIGN SPEED	=	70 MPH
ESALS	=	37,281,100

CONVENTIONAL SYMBOLS

CORPORATE LIMITS
PROPERTY LINE
LOT LINE
TEMPORARY LIMITED 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)
RETAINING WALL
MARSH AREA
WOODED OR SHRUB AREA
DITCH FLOW LINE

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

UTILITIES
OVERHEAD COMMUNICATIONS — C-OH
UNDERGROUND COMMUNICATIONS — C-UG
OVERHEAD ELECTRIC — OH
UNDERGROUND ELECTRIC — E
GAS — G
SANITARY SEWER — SAN
STORM SEWER — SS
TELEPHONE — T
WATER — W
UTILITY PEDESTAL
POWER POLE
TELEPHONE POLE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED IMPROVEMENT

EAU CLAIRE - OSSEO

(STH 37 - USH 53)

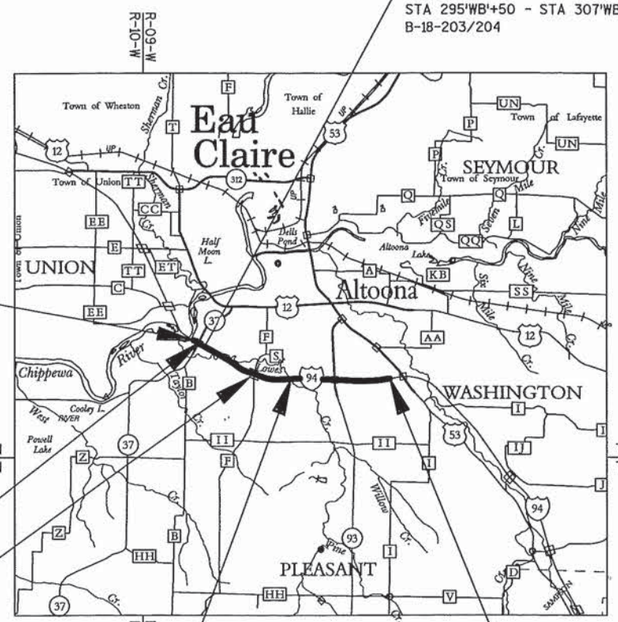
IH 94

EAU CLAIRE COUNTY

STATE PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
1022-08-73	WISC 2013287	1

STATE PROJECT NUMBER
1022-08-73

EXCEPTION TO NET CENTERLINE LENGTH
STA 291'EB'+50 - STA 307'EB'+00
STA 295'WB'+50 - STA 307'WB'+00
B-18-203/204



BEGIN PROJECT
STA 256'EB'+73.24
Y = 267232.69
X = 329844.22

B-18-25/26
B-18-29
B-18-227/228

END PROJECT
STA 534'EB'+15.02
Y = 262001.36
X = 356286.96

LAYOUT
SCALE 0 — 2 MI.

1022-08-73 TOTAL NET LENGTH OF CENTERLINE IH 94 = 4.961 MI.

COORDINATES ON THIS PLAN ARE REFERENCED TO THE WISCONSIN COUNTY COORDINATE SYSTEM (WCCS), EAU CLAIRE COUNTY HORIZONTAL DATUM NAD 83 (91). ALL DISTANCES ARE GROUND. ELEVATIONS SHOWN ON THIS PLAN ARE REFERENCED TO VERTICAL DATUM NATIONAL GEODETIC VERTICAL DATUM 1929 ADJUSTMENT (NGVD 29).

ORIGINAL PLANS PREPARED BY
CH2MHILL
MILWAUKEE, WISCONSIN

WISCONSIN — KERRY C. MEYER — E-36986 — MILWAUKEE, WI — PROFESSIONAL ENGINEER

1/14/13 (Date) (Signature)

ORIGINAL PLANS PREPARED BY:
SHORT ELLIOTT HENDRICKSON, INC
SEH

WISCONSIN — VANCE P. POWERS — E-36761 — WAUSAU, WI — PROFESSIONAL ENGINEER

1/14/13 (Date) (Signature)

ORIGINAL PLANS PREPARED BY
N.W.B.E.
NORTHERN WISCONSIN-BASED ENGINEERS, INC.

WISCONSIN — HEATHER J. HARRINGTON — E-27174 — HAYWARD WIS. — PROFESSIONAL ENGINEER

1/14/13 (Date) (Signature)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PREPARED BY

Surveyor	WISDOT NORTHWEST REGION
Designer	CH2M HILL
Project Manager	STACEY RUSCH
Regional Examiner	DAN OJIBWAY
Regional Supervisor	RICHARD SHERMO
C.O. Examiner	

APPROVED FOR THE DEPARTMENT
DATE: 1/15/13 (Signature)

E

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 UTILITY WHICH IS NOT A MEMBER OF THE DIGGERS HOTLINE MUST BE CONTACTED SEPARATELY.

PRIOR TO ORDERING DRAINAGE PIPES AND STRUCTURES, THE CONTRACTOR SHALL FIELD VERIFY RELATED DRAINAGE INFORMATION IN THE PLAN.

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

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

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

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

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

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

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

ASPHALTIC SURFACE TEMPORARY SHALL BE CONSTRUCTED IN TWO LAYERS MINIMUM.

A SHRINKAGE FACTOR OF 20% WAS USED IN BALANCING EARTHWORK. ACTUAL SHRINKAGE ENCOUNTERED IN THE FIELD MAY VARY.

EXCAVATION BELOW SUBGRADE (EBS) IS NOT USED TO BALANCE YARDAGE AND IS NOT SHOWN ON THE CROSS SECTIONS, BUT IS MEASURED AND PAID FOR AS EXCAVATION COMMON. THE LOCATIONS AND LIMITS FOR EBS WILL BE DETERMINED BY THE ENGINEER.

REMOVE ANY REMAINING CEMENT STABILIZED BASE COURSE BELOW THE PROPOSED SUBGRADE LINE. REMOVAL WILL BE PAID FOR AS EBS AND MEASURED AND PAID FOR AS EXCAVATION COMMON. PROVIDE SUITABLE BACKFILL AS APPROVED BY THE ENGINEER AND AT THE LOCATIONS AND LIMITS TO BE DETERMINED BY THE ENGINEER.

DISTURBED AREAS WITHIN THE RIGHT-OF-WAY, EXCEPT THE AREAS WITHIN THE FINISHED SHOULDER POINTS, ARE TO BE FERTILIZED, SEEDED AND MULCHED AS DIRECTED BY THE ENGINEER.

THE EROSION CONTROL ITEMS SHOWN ON THE PLANS ARE AT SUGGESTED LOCATIONS. THE ENGINEER MAY MODIFY LOCATIONS AS NEEDED. ALL EROSION CONTROL MEASURES SHALL BE MAINTAINED UNTIL SUCH TIME AS THE ENGINEER DETERMINES THE MEASURE IS NO LONGER NECESSARY.

EXISTING ELEVATIONS SHALL BE VERIFIED IN THE FIELD.

FENCE SHALL BE REPLACED IN ITS EXISTING LOCATION.

6" HMA PAVEMENT TYPE E-10
3-INCH UPPER LAYER, 12.5 mm PG 70-28
3-INCH LOWER LAYER, 19.0 mm, PG 64-34P

DESIGNER NOTES

DESIGN PLANS, SPECIFICATIONS, AND ESTIMATE FOR TEMPRORARY EROSION CONTROL AND STORM SEWER PROVIDED BY NWBE, INC.

DESIGN PLANS, SPECIFICATIONS, AND ESTIMATE FOR SIGN REMOVAL AND PERMANENT SIGNING PROVIDED BY NWBE, INC.

DESIGN PLANS, SPECIFICATIONS, AND ESTIMATE FOR LIGHTING, TEMPORARY TRAFFIC SIGNALS, AND PERMANENT TRAFFIC SIGNALS PROVIDED BY SEH, INC.

DESIGN PLANS, SPECIFICATIONS, AND ESTIMATE FOR PERMANENT PAVEMENT MARKING PROVIDED BY NWBE, INC.

DESIGN PLANS, SPECIFICATIONS, AND ESTIMATE FOR TRAFFIC CONTROL AND STAGING PROVIDED BY SEH, INC.

DESIGN PLANS, SPECIFICATIONS, AND ESTIMATE FOR RIGHT-OF-WAY FENCING PROVIDED BY NWBE, INC.

DESIGN PLANS, SPECIFICATIONS, AND ESTIMATE FOR TEMPORARY ALIGNMENTS PROVIDED BY SEH, INC.

DESIGN PLANS, SPECIFICATIONS, AND ESTIMATE FOR GUARDRAIL AND LENGTH OF NEED CALCULATIONS PROVIDED BY NWBE, INC.

DESIGN PLANS, SPECIFICATIONS, AND ESTIMATE FOR STRUCTURES B-18-227 AND B-18-228 PROVIDED BY ROMENESKO ENGINEERING, INC.

UTILITY COORDINATION AND UTILITY SPECIFICATIONS PROVIDED BY NWBE, INC.

STANDARD ABBREVATIONS

AEW	APRON END WALL
AGG	AGGREGATE
AH	AHEAD
BAD	BASE AGGREGATE DENSE
BK	BACK
BM	BENCH MARK
BT	BEGIN TRANSITION
C&G	CURB AND GUTTER
C/L OR ℄	CENTER OR CONSTRUCTION LINE
CONC	CONCRETE
CP	CULVERT PIPE
CPCM	CULVERT PIPE CORRUGATED METAL
CPCS	CULVERT PIPE CORRUGATED STEEL
CPRC	CULVERT PIPE REINFORCED CONCRETE
CSD	CONCRETE SURFACE DRAIN
CY	CUBIC YARD
D	DEGREE OF CURVE
Δ	DELTA
DISCH	DISCHARGE
EB	EASTBOUND
EOP	EDGE OF PAVEMENT
ET	END TRANSITION
FS	FULL SUPERELEVATION
HMA	HOT MIX ASPHALT
INV	INVERT
L	LENGTH OF CURVE
LHF	LEFT HAND FORWARD
LT	LEFT
MAX	MAXIMUM
MIN	MINIMUM
M/L	MATCH LINE
NB	NORTHBOUND
NC	NORMAL CROWN
NORM	NORMAL
OFF	OFFSET
PAVT	PAVEMENT
PC	POINT OF CURVE
PCC	POINT OF COMPOUND CURVE
PGL	PROFILE GRADE LINE
PI	POINT OF INTERSECTION
POB	POINT OF BEGINNING
POE	POINT OF END
PT	POINT OF TANGENT
R	RADIUS OF CURVE
R/L	REFERENCE LINE
RC	REVERSE CROWN
RCAEW	APRON ENDWALL FOR CULVERT PIPE REINFORCED CONCRETE
REQD	REQUIRED
RHF	RIGHT HAND FORWARD
RO	RUN OFF LENGTH
RT	RIGHT
SALV	SALVAGED
SB	SOUTHBOUND
SDD	STANDARD DETAIL DRAWING
SE	SUPERELEVATION
SF	SQUARE FOOT
STA	STATION
SY	SQUARE YARD
T	TANGENT LENGTH
TYP	TYPICAL
VD	DRAIN SLOTTED VANE
VPC	POINT OF VERTICAL CURVE
VPI	POINT OF VERTICAL INTERSECTION
VPT	POINT OF VERTICAL TANGENT
WB	WESTBOUND

REFERENCE LINE CALL OUTS

'EB'	IH 94 EASTBOUND
'WB'	IH 94 WESTBOUND
'A'	STH 37 WESTBOUND ENTRANCE RAMP
'B'	STH 37 WESTBOUND EXIT RAMP
'C'	STH 37 EASTBOUND ENTRANCE RAMP
'D'	STH 37 EASTBOUND EXIT RAMP
'E'	STH 93 WESTBOUND ENTRANCE RAMP
'F'	STH 93 WESTBOUND EXIT RAMP
'G'	STH 93 EASTBOUND ENTRANCE RAMP
'H'	STH 93 EASTBOUND EXIT RAMP
'NB'	STH 37 NORTHBOUND
'SB'	STH 37 SOUTHBOUND

ORDER OF SECTION 2 SHEETS

PROJECT OVERVIEW
EXISTING TYPICAL SECTIONS
PROPOSED TYPICAL SECTIONS
CONSTRUCTION DETAILS
PAVING DETAILS
EROSION CONTROL
STORM SEWER
PERMANENT SIGNING
TEMPORARY TRAFFIC SIGNALS
SIGNALS AND LIGHTING
ITS
PAVEMENT MARKING
CONSTRUCTION STAGING
FENCING
ALIGNMENT PLANS

UTILITIES

AT&T WISCONSIN
(COMMUNICATION LINE)
RICK PODOLAK
304 SOUTH DEWEY STREET
EAU CLAIRE, WI 54701
(715) 839-5565

CABLE CONSTRUCTORS, INC. (CCI)
(COMMUNICATION LINE)
SCOTT DROSSART
105 KENT ST
P.O. Box 885
IRON MOUNTAIN, MI 49801
(906) 282-3832

CHARTER COMMUNICATIONS
(COMMUNICATION LINE)
SHANE YODER
1201 McCANN DR
ALTOONA, WI 54720
(715) 831-8940 ext. 619
shane.voder@chartercomm.com

CITY OF EAU CLAIRE PUBLIC WORKS & UTILITIES
(WATER AND SEWER)
LANE BERG
910 FOREST STREET
EAU CLAIRE, WI 54703
(715) 839-5045
lane.berg@eauclairewi.gov

CENTURYLINK
(COMMUNICATION LINE)
DONNA SMOTHERS
835 RED IRON RD
BLACK RIVER FALLS, WI 54615
(715) 284-4375
donna.smothers@centurylink.com

EAU CLAIRE ENERGY
(ELECTRICITY)
RICHARD RASMUSSEN
8214 Hwy 12
P.O. Box 368
FALL CREEK, WI 54742-0368
(715) 832-1603 ext. 233

ST. BEDES MONASTERY
(WATER AND SEWER)
SISTER JUDITH KRAMER
1190 PRIORY ROAD
P.O. Box 66
EAU CLAIRE, WI 54702-0066
(715) 834-3176
sisters@saintbede.org

WINDSTREAM
(COMMUNICATION LINE)
JIM KOSTUCH
13935 BISHOPS DR
BROOKFIELD, WI 53005
(262) 792-7938
James.kostuch@windstream.com

WISCONSIN DEPARTMENT OF TRANSPORTATION - COMMUNICATION
DONALD SCHELL
WISCONSIN DEPARTMENT OF TRANSPORTATION
433 W. ST. PAUL AVENUE SUITE 300
MILWAUKEE, WI 53203-3007
(414) 227-2148
donald.schell@dot.wi.gov

XCEL ENERGY
(COMMUNICATION LINE, COMMUNICATION TOWER, ELECTRICITY, ELECTRICITY TRANSMISSION, GAS/PETROLEUM)

ELECTRIC DISTRIBUTION:
DAN KLEIN
1414 WEST HAMILTON AVENUE
P.O. Box 8
EAU CLAIRE, WI 54702-0008
(715) 737-4203
daniel.j.klein@xcelenergy.com

ELECTRIC TRANSMISSION:
PAM TAYLOR
1414 WEST HAMILTON AVENUE
P.O. Box 8
EAU CLAIRE, WI 54702-0008
(715) 737-1306
pamela.l.taylor@xcelenergy.com

GAS:
SCOTT SEAHOLM
1414 WEST HAMILTON AVENUE
P.O. Box 8
EAU CLAIRE, WI 54702-0008
(715) 737-2584
scott.j.seaholm@xcelenergy.com

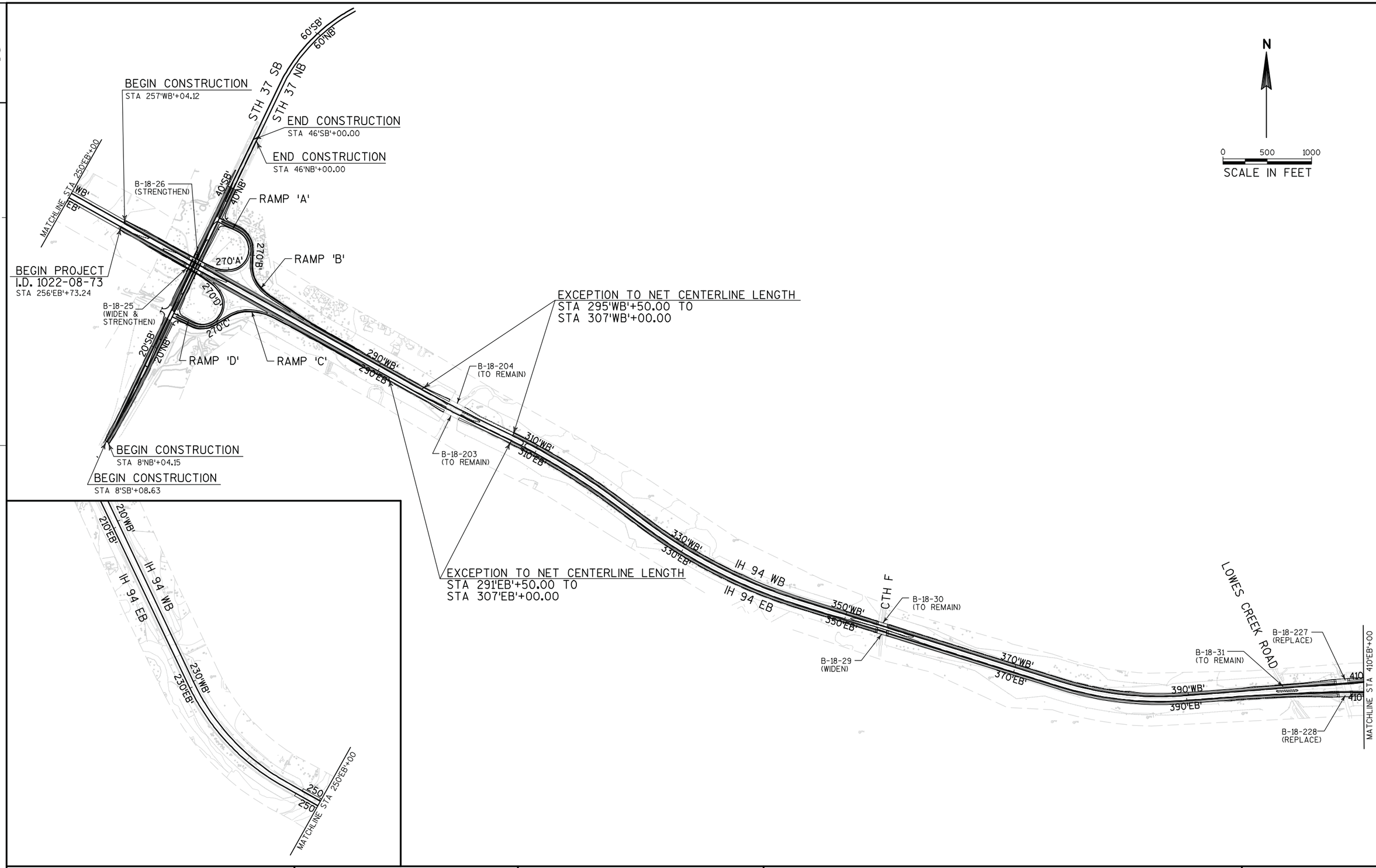
DIGGERS HOTLINE

Call 811 3 Work Days Before You Dig
or Toll Free (800) 242-8511
Hearing Impaired TDD (800) 542-2289
www.DiggersHotline.com

DNR LIAISON
NICK SCHAFF
1300 W. CLAIREMONT AVENUE
P.O. BOX 4001
EAU CLAIRE, WI 54702-4001
(715) 839-1609
nicholas.schaff@wisconsin.gov

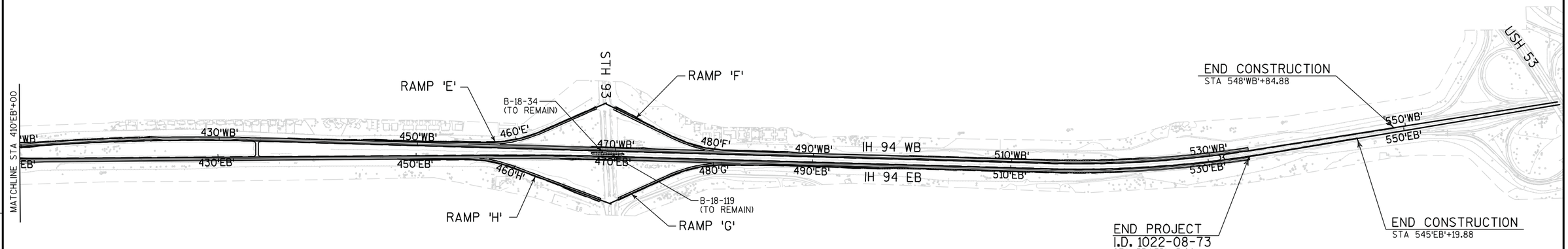
PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	GENERAL NOTES	SHEET 2	E

2



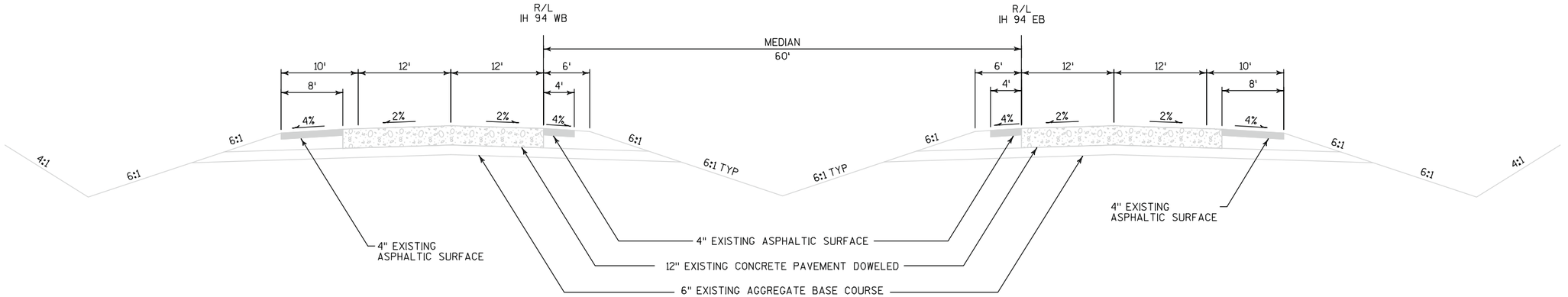
PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	PROJECT OVERVIEW	SHEET 3	E

2



PROJECT NO:1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	PROJECT OVERVIEW	SHEET 4	E

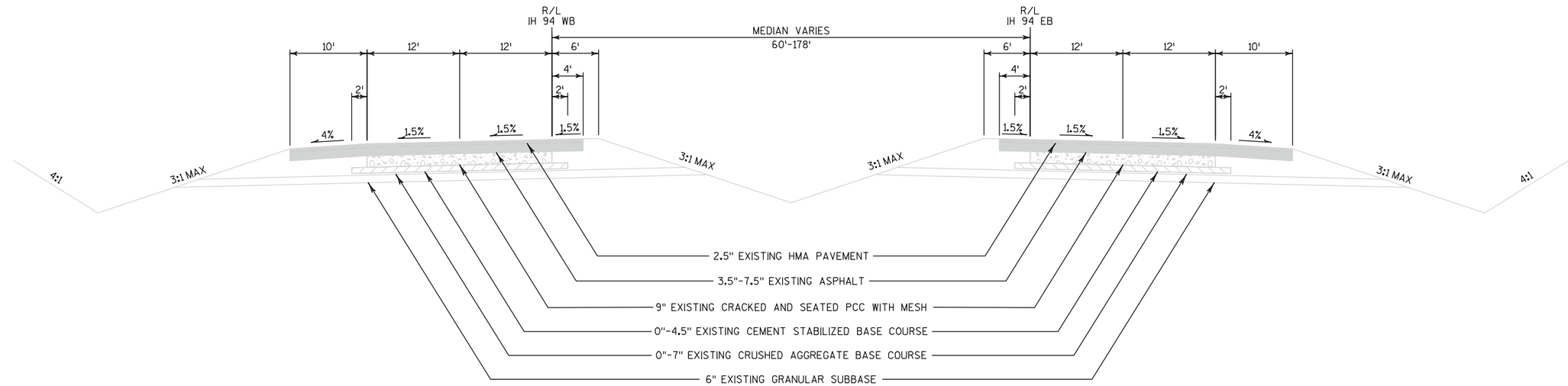
2



EXISTING TYPICAL SECTION
IH 94

STA 291'EB'+50 TO STA 298'EB+92
STA 300'EB'+39 TO STA 307'EB'+00

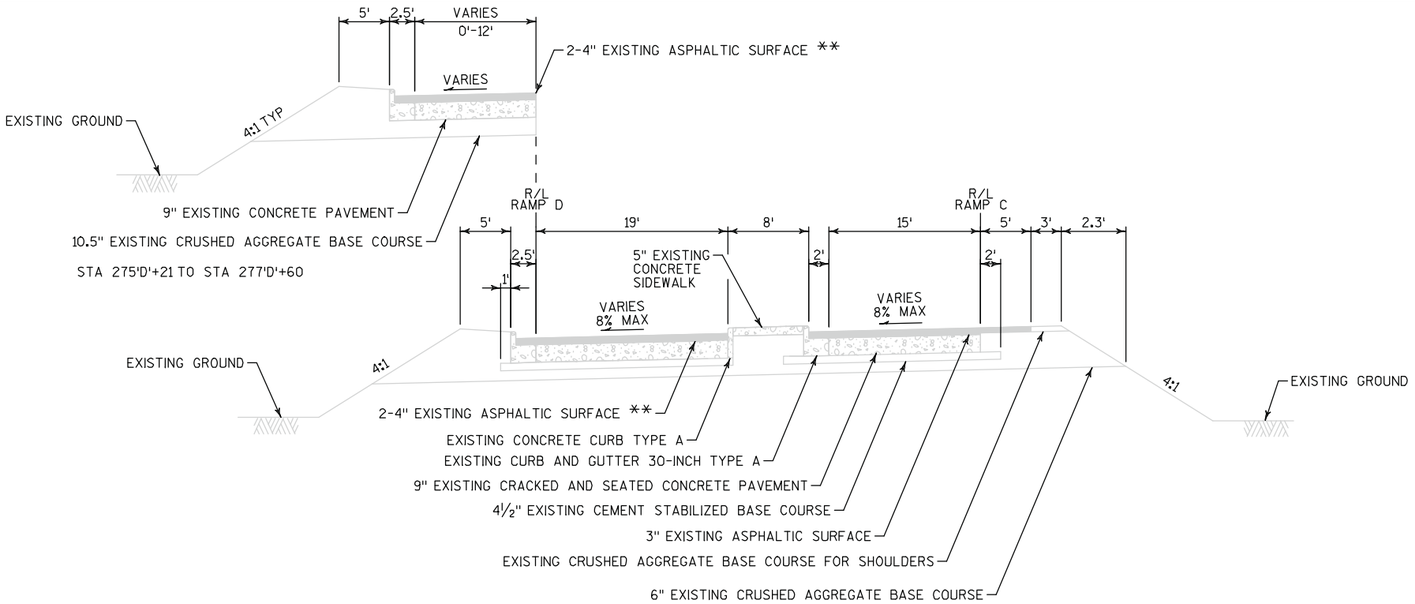
STA 295'WB'+50 TO STA 299'WB+04
STA 300'WB'+51 TO STA 307'WB'+00



EXISTING TYPICAL SECTION
IH 94

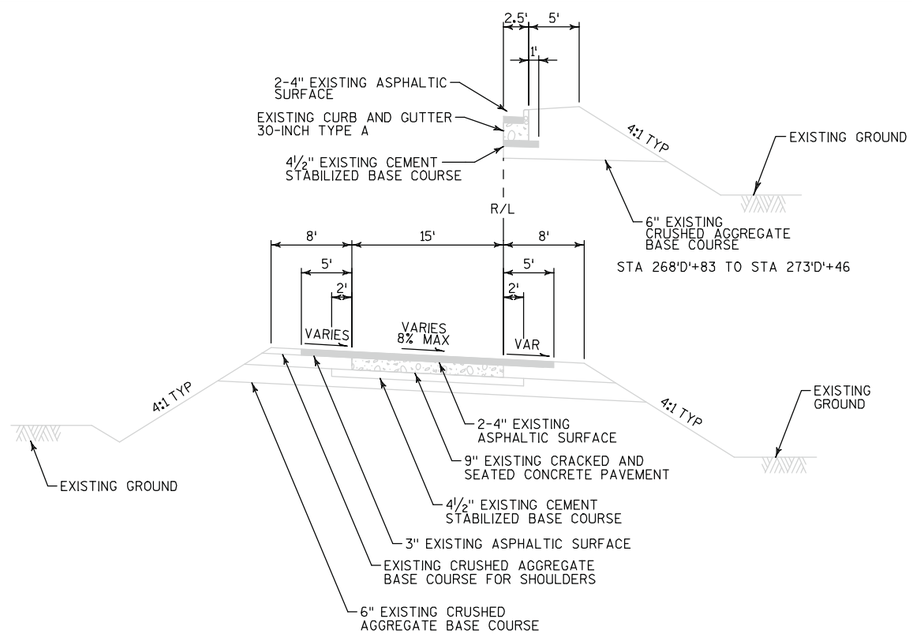
STA 256+58 TO STA 291+50
STA 307+00 TO STA 534+15

PROJECT NO:1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	TYPICAL SECTIONS - IH 94	SHEET 5	E



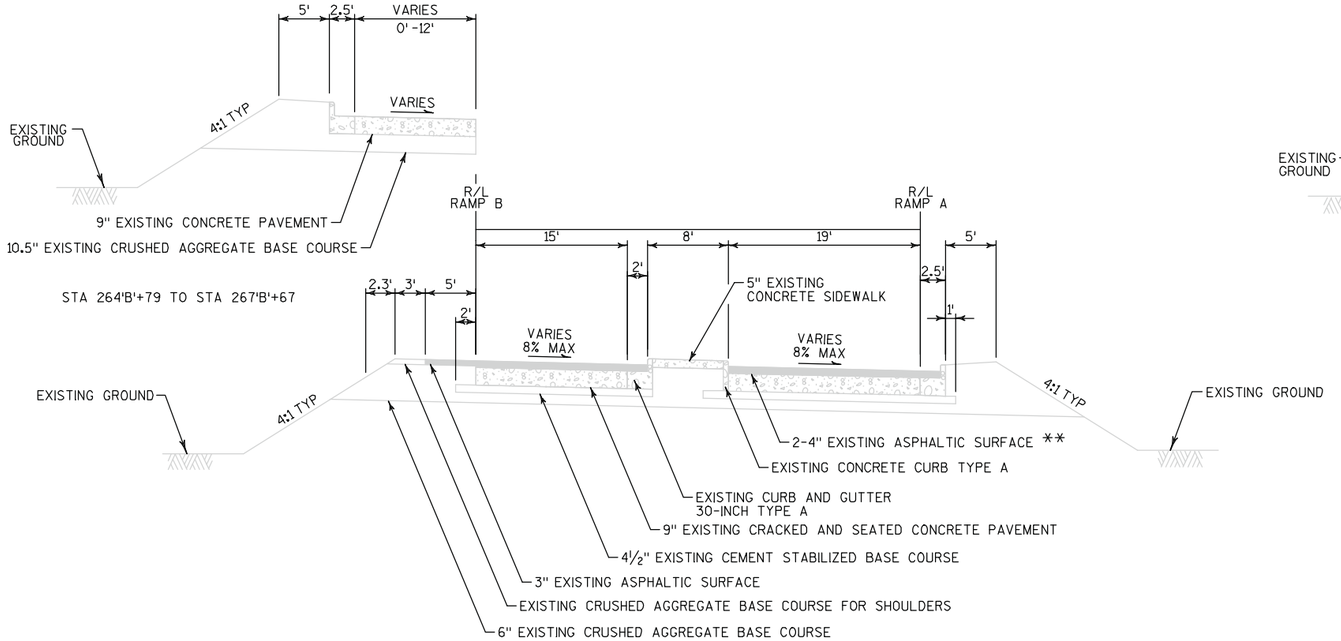
EXISTING TYPICAL SECTION
STH 37 EB RAMPS LOOP SECTION

STA 265'C'+48 TO STA 270'C'+14
STA 273'D'+46 TO STA 277'D'+60



EXISTING TYPICAL SECTION
STH 37 EB RAMPS

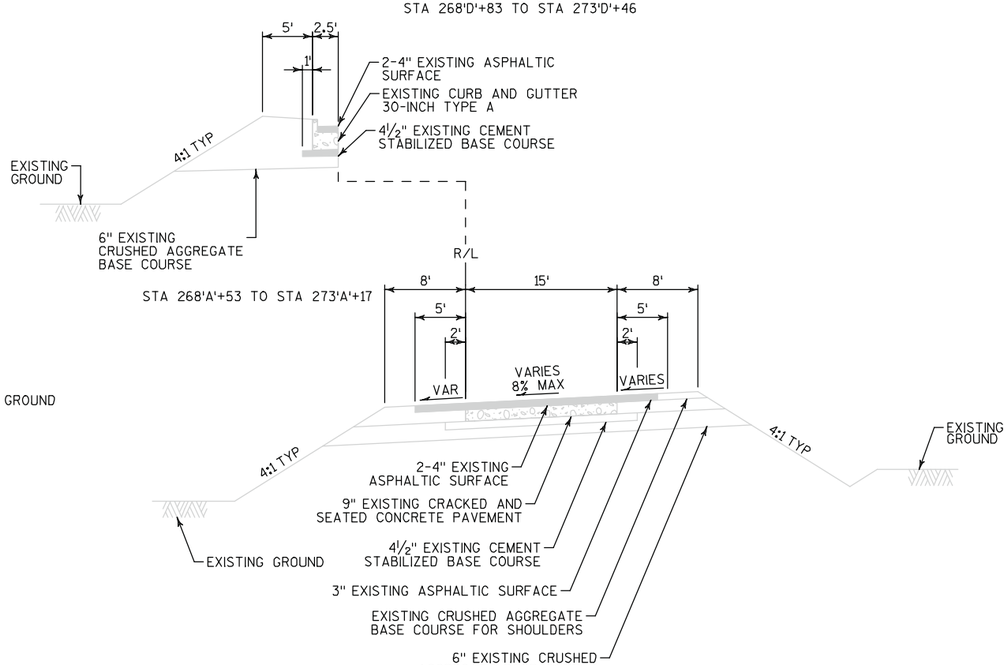
STA 270'C'+14 TO STA 275'C'+96
STA 268'D'+83 TO STA 273'D'+46



**NO EXISTING ASPHALTIC SURFACE FROM
STA 276'A'+60 TO STA 277'A'+60
STA 264'B'+85 TO STA 269'B'+00
STA 265'C'+48 TO STA 265'C'+50
STA 276'D'+20 TO STA 277'D'+60

EXISTING TYPICAL SECTION
STH 37 WB RAMPS LOOP SECTION

STA 273'A'+17 TO STA 277'A'+60
STA 264'B'+85 TO STA 269'B'+81

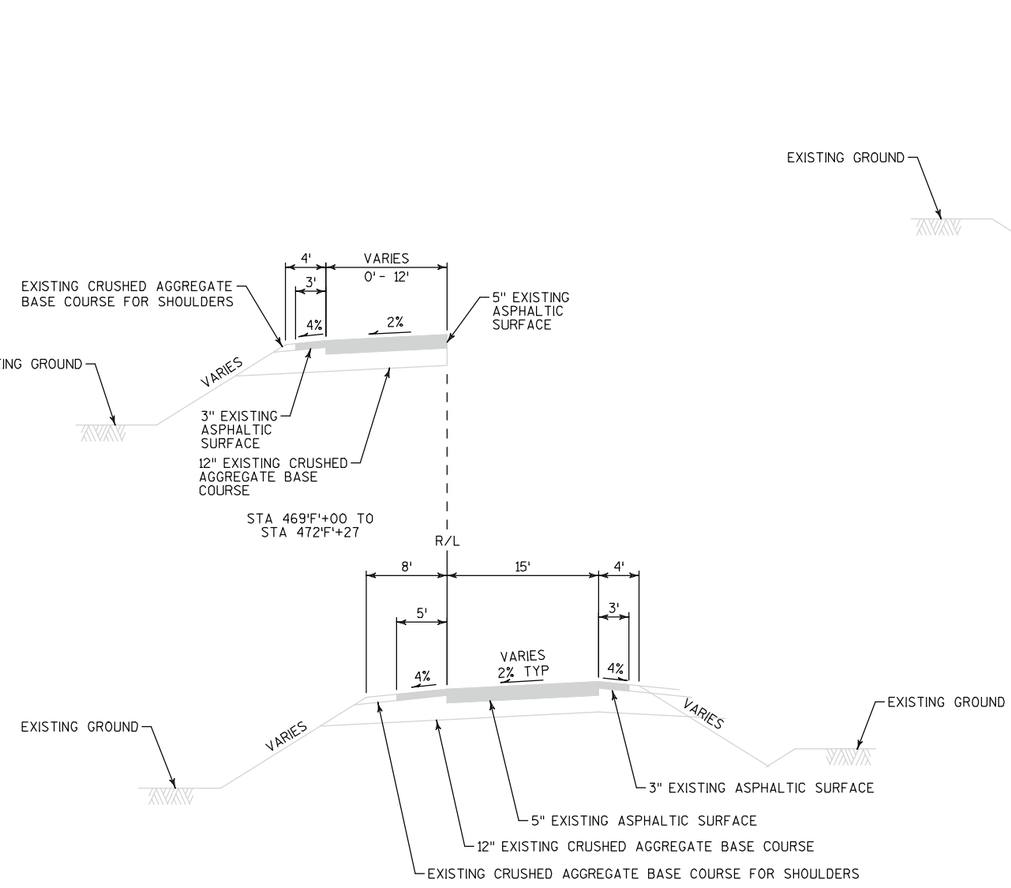


EXISTING TYPICAL SECTION
STH 37 WB RAMPS

STA 268'A'+53 TO STA 273'A'+17
STA 269'B'+81 TO STA 278'B'+30

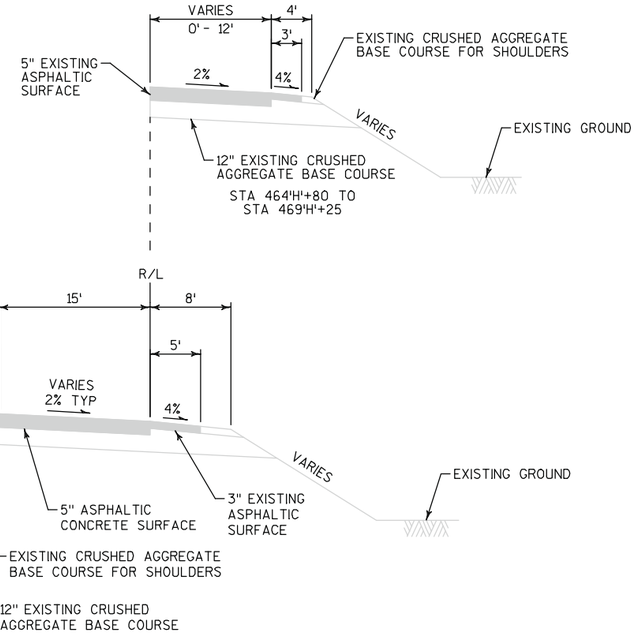
PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	TYPICAL SECTIONS - STH 37 RAMPS	SHEET 6	E

2



EXISTING TYPICAL SECTION
STH 93 WB RAMPS

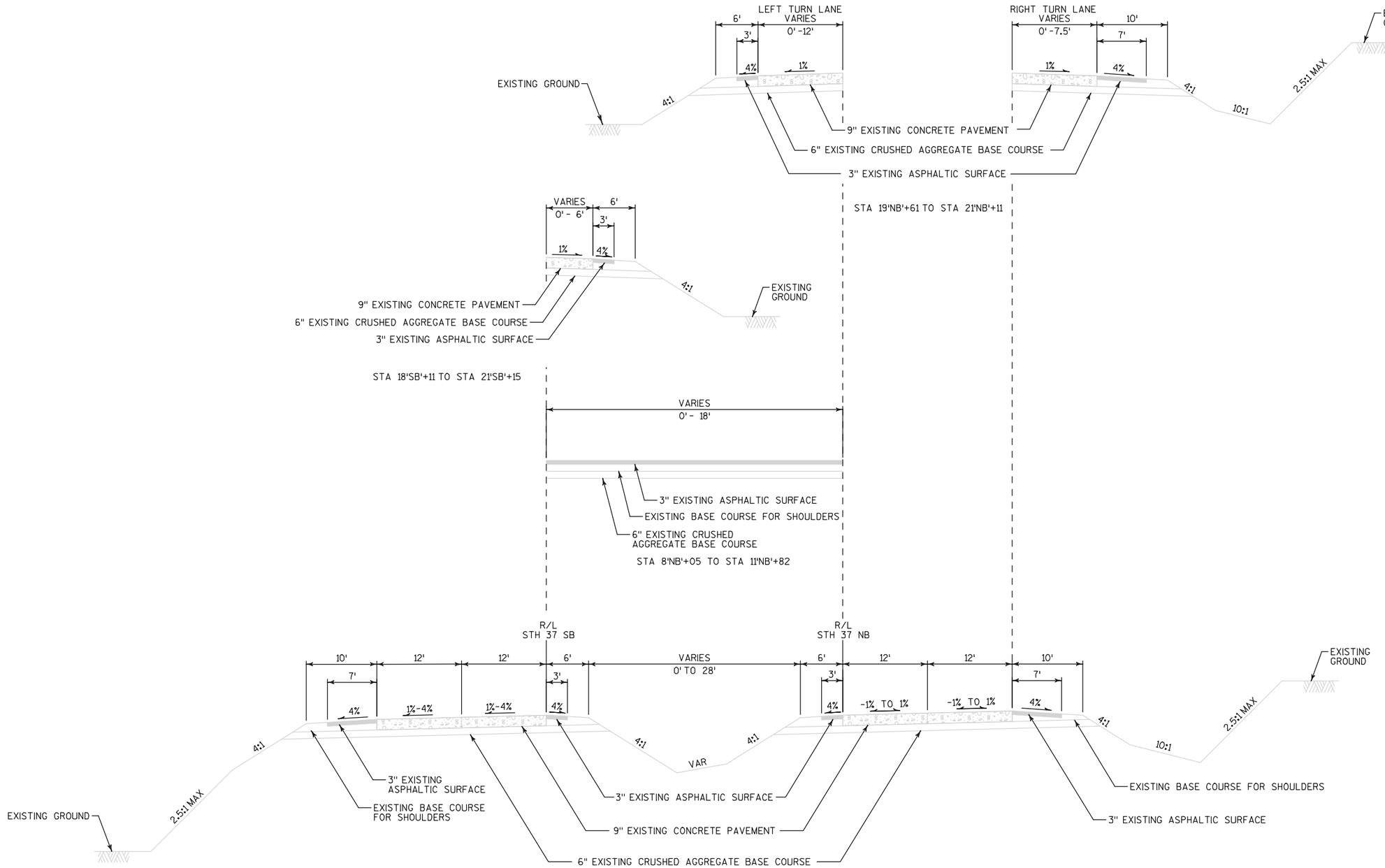
STA 458'E'+40 TO STA 468'E'+67
STA 469'F'+00 TO STA 478'F'+99



EXISTING TYPICAL SECTION
STH 93 EB RAMPS

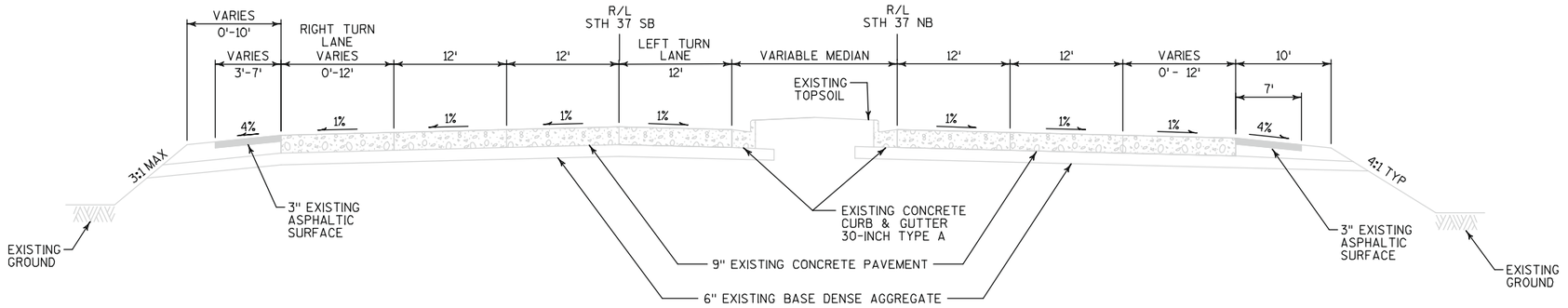
STA 469'G'+76 TO STA 479'G'+81
STA 457'H'+34 TO STA 469'H'+25

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	TYPICAL SECTIONS - STH 93 RAMPS	SHEET 7	E



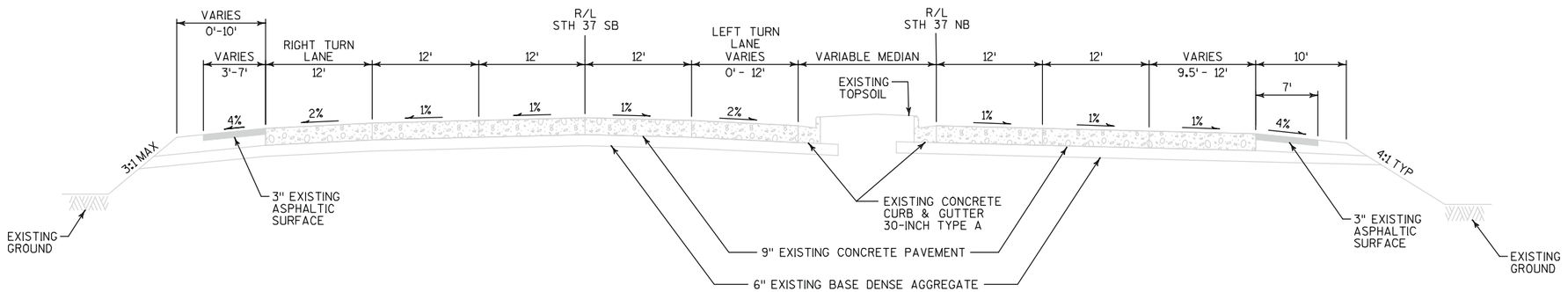
EXISTING TYPICAL SECTION
STH 37
STA 8'NB'+05 TO STA 21'NB'+11

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	TYPICAL SECTIONS - STH 37	SHEET 8	E



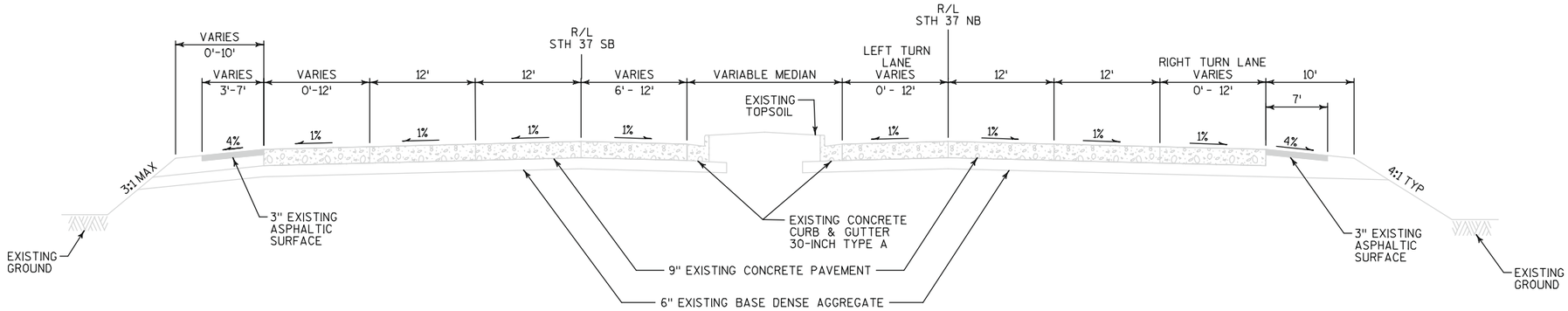
EXISTING TYPICAL SECTION
STH 37

STA 25'NB'+89 TO STA 28'NB'+50
STA 36'NB'+26 TO STA 39'NB'+29



EXISTING TYPICAL SECTION
STH 37

STA 24'NB'+40 TO STA 25'NB'+89

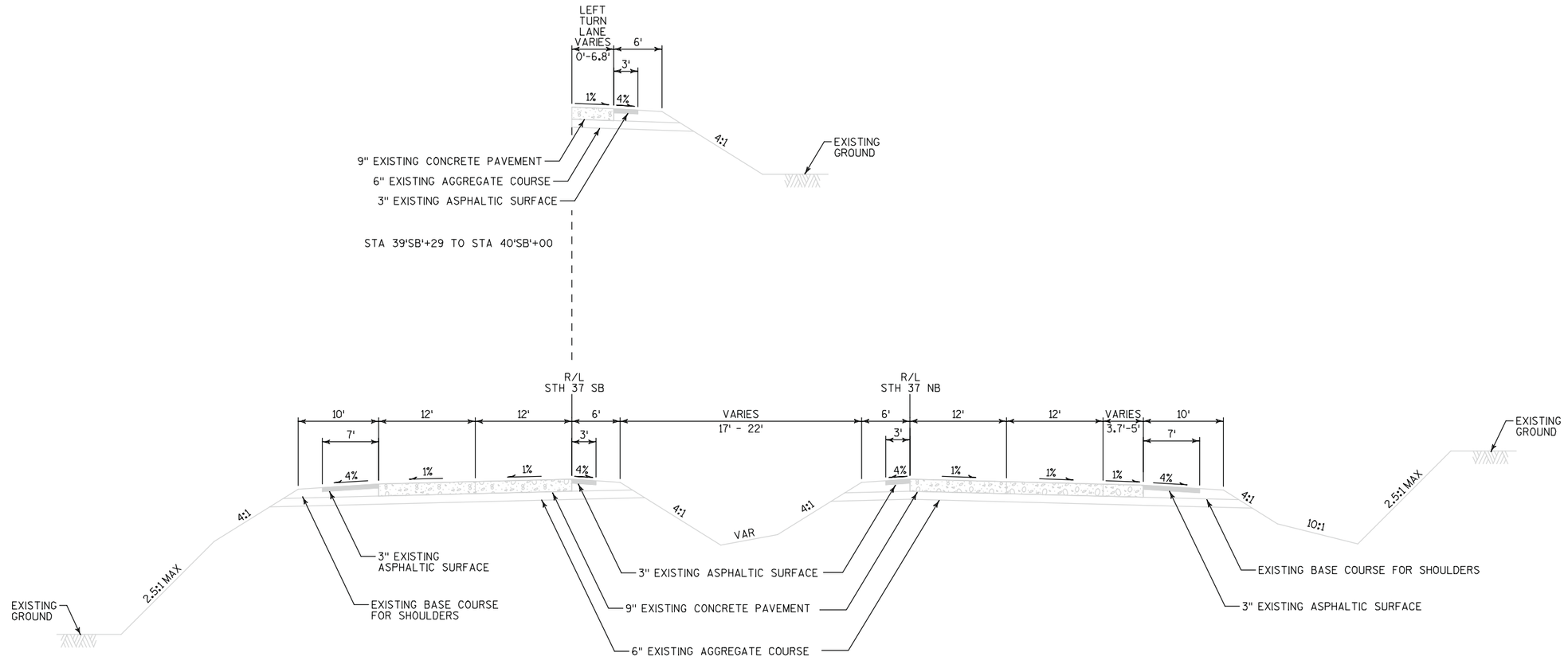


EXISTING TYPICAL SECTION
STH 37

STA 21'NB'+11 TO STA 23'NB'+66
STA 28'NB'+50 TO STA 35'NB'+76

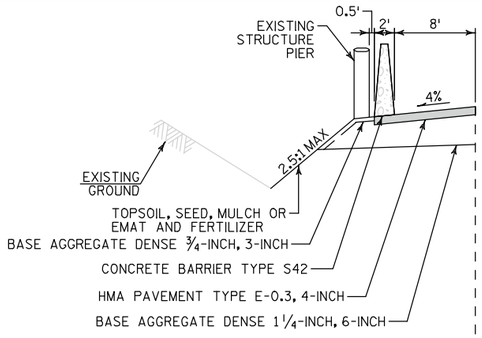
PROJECT NO:1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	TYPICAL SECTIONS - STH 37	SHEET 9	E

2

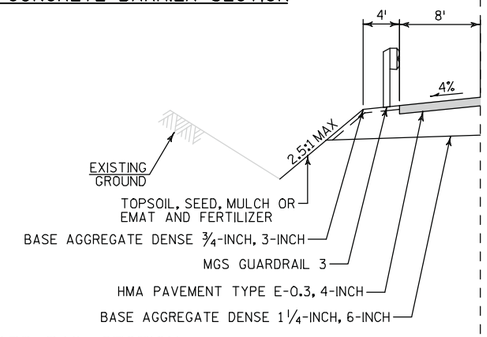


EXISTING TYPICAL SECTION
STH 37
STA 39'NB'+29 TO STA 40'NB'+00

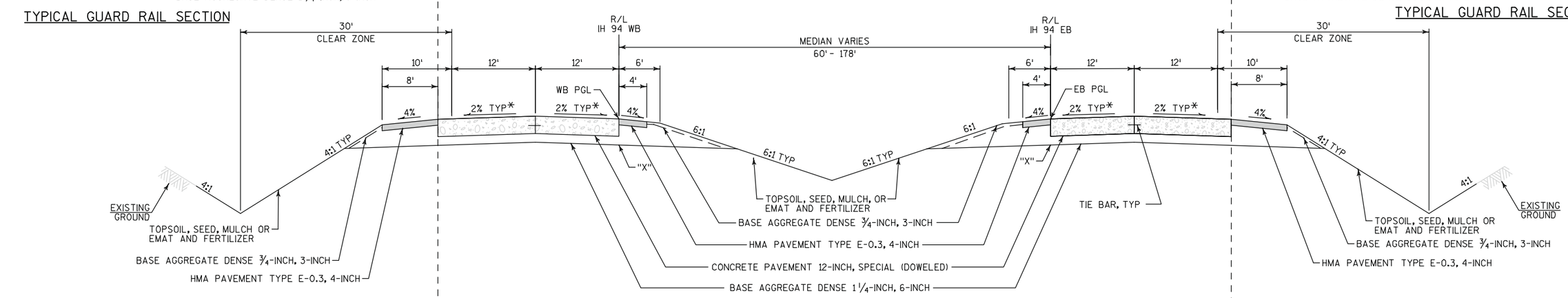
PROJECT NO:1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	TYPICAL SECTIONS - STH 37	SHEET 10	E



TYPICAL CONCRETE BARRIER SECTION



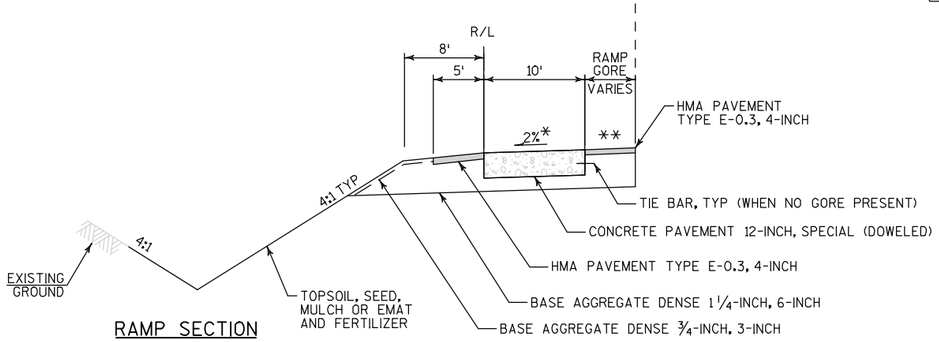
TYPICAL GUARD RAIL SECTION



FINISHED TYPICAL SECTION
IH 94

STA 256'EB'+57 TO STA 291'EB+50
STA 307'EB'+00 TO STA 534'EB'+51

STA 256'WB'+88 TO STA 295'WB+50
STA 307'WB'+00 TO STA 533'WB'+96

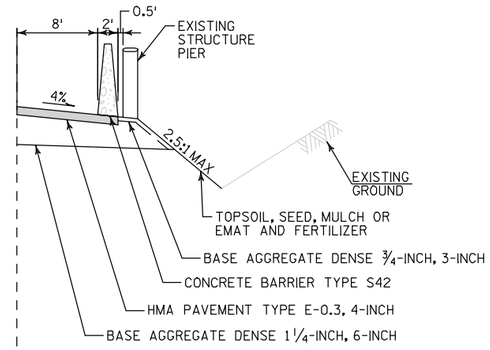


RAMP SECTION

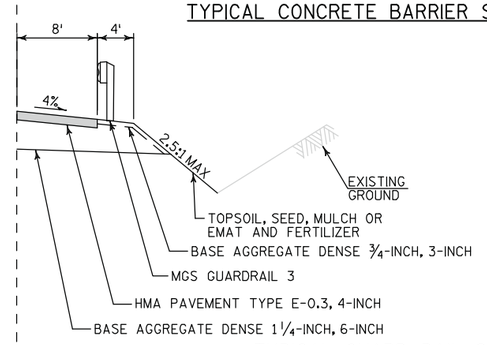
* SEE ALIGNMENT DIAGRAM FOR SUPERELEVATION MAX.

** HMA PAVEMENT TYPE E-0.3, 4-INCH OR CONCRETE PAVEMENT 12-INCH, SPECIAL (DOWELED). (SEE PAVING DETAILS FOR LOCATIONS).

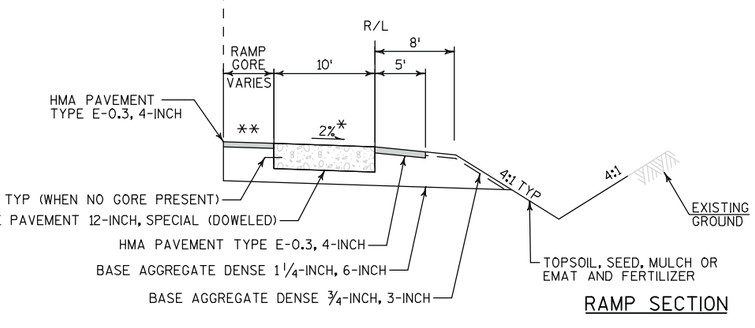
"X" = POINT REFERRED TO ON CROSS SECTIONS



TYPICAL CONCRETE BARRIER SECTION

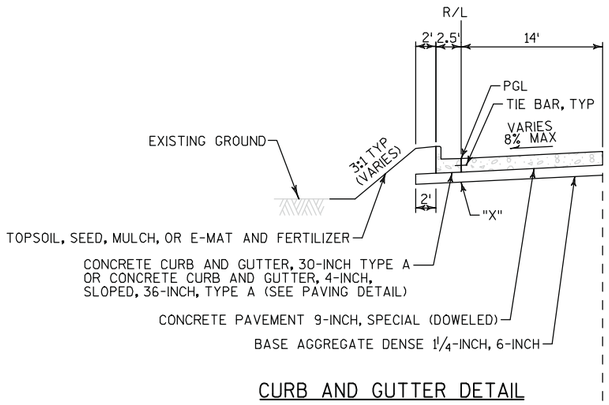


TYPICAL GUARD RAIL SECTION

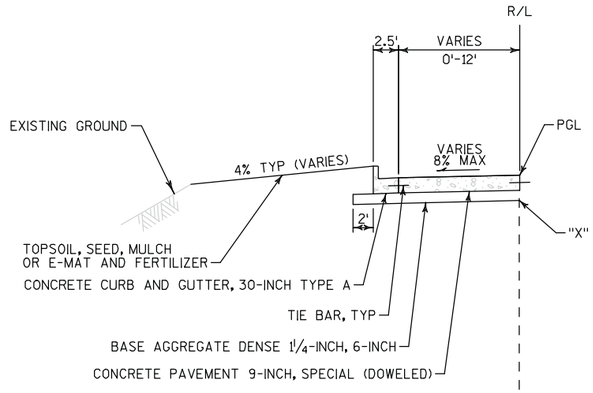


RAMP SECTION

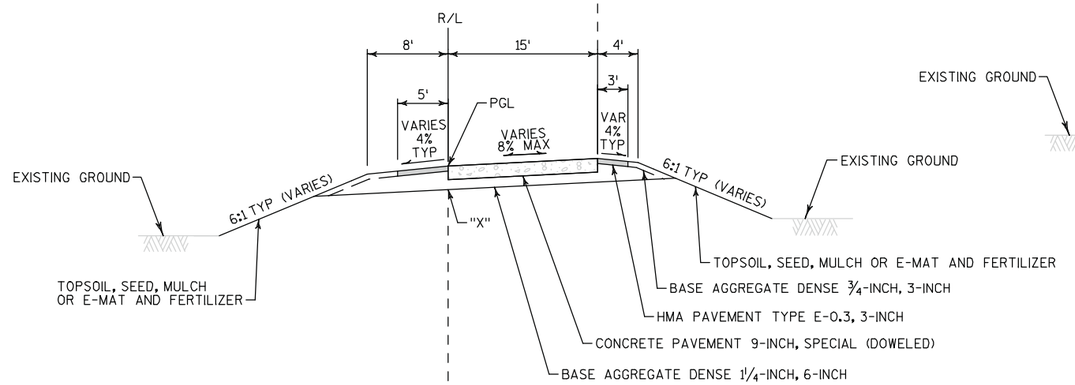
PROJECT NO:1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	TYPICAL SECTIONS - IH 94	SHEET 11	E



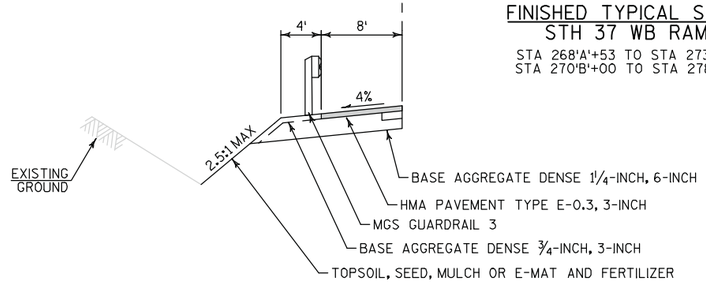
CURB AND GUTTER DETAIL



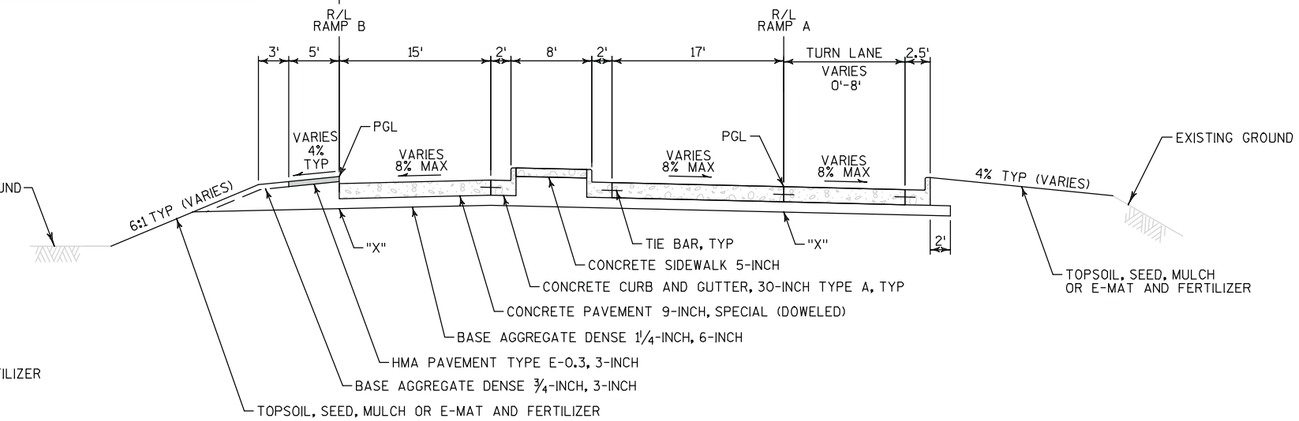
CURB AND GUTTER DETAIL



FINISHED TYPICAL SECTION
STH 37 WB RAMPS
STA 268'A'+53 TO STA 273'A'+02
STA 270'B'+00 TO STA 278'B'+30



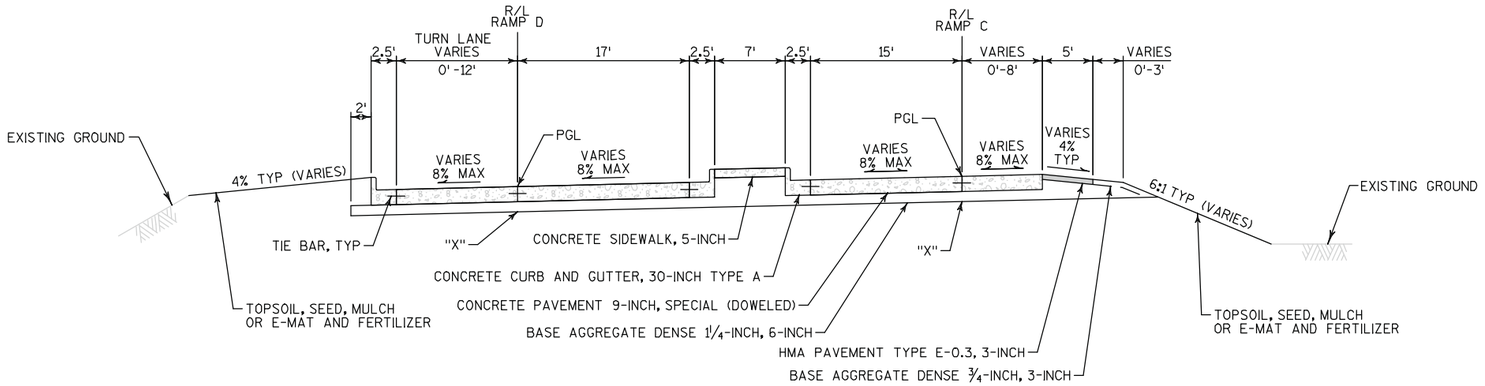
GUARDRAIL DETAIL



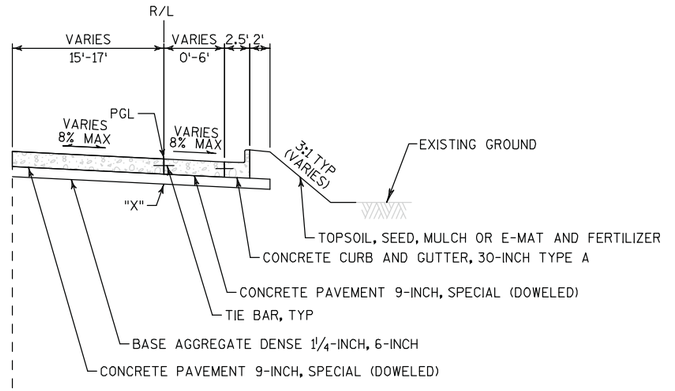
FINISHED TYPICAL SECTION
STH 37 WB RAMPS LOOP SECTION
STA 273'A'+02 TO STA 277'A'+60
STA 264'B'+85 TO STA 270'B'+00

"X" = POINT REFERRED TO ON CROSS SECTIONS

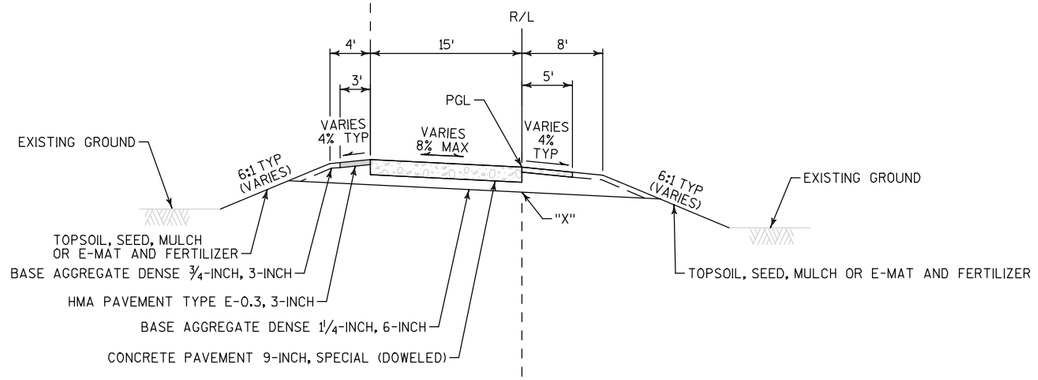
PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	TYPICAL SECTIONS - STH 37 RAMPS	SHEET 12	E



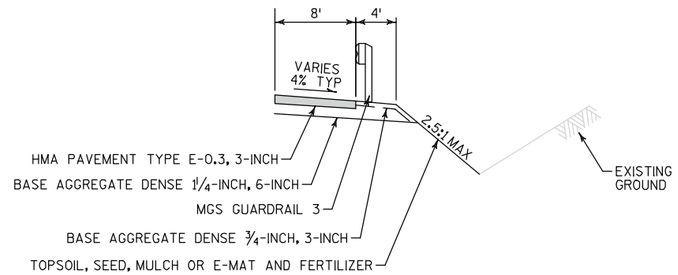
FINISHED TYPICAL SECTION
STH 37 EB RAMPS LOOP SECTION
STA 265'C'+48 TO STA 270'C'+14
STA 273'D'+46 TO STA 277'D'+60



CURB AND GUTTER DETAIL

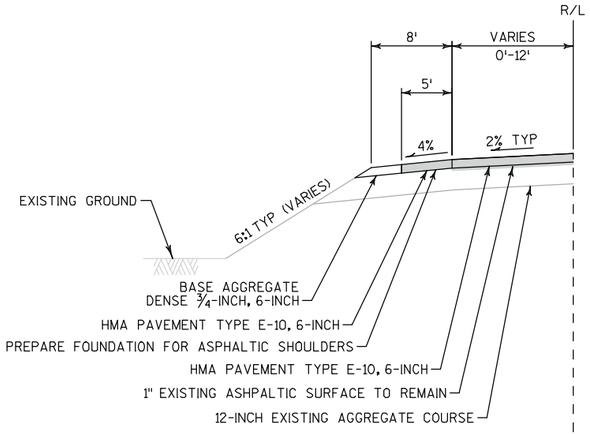


FINISHED TYPICAL SECTION
STH 37 EB RAMPS
STA 270'C'+14 TO STA 275'C'+96
STA 268'D'+83 TO STA 273'D'+46

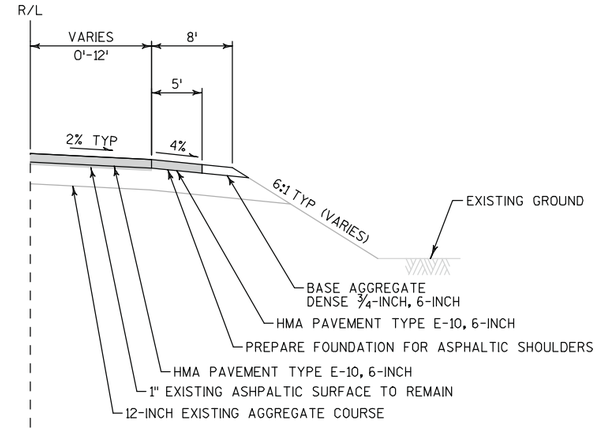


TYPICAL GUARD RAIL SECTION

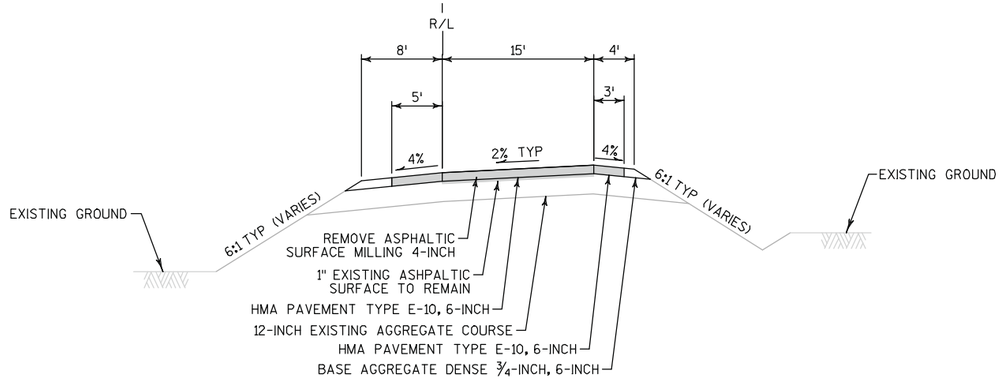
"X" = POINT REFERRED TO ON CROSS SECTIONS



TURN LANE DETAIL

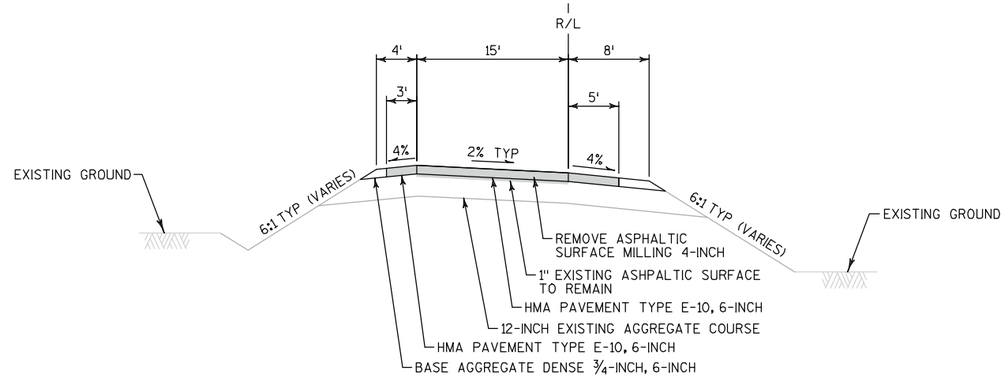


TURN LANE DETAIL



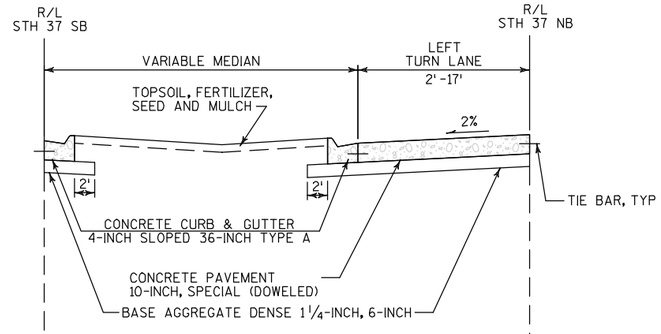
FINISHED TYPICAL SECTION
STH 93 WB RAMPS

STA 458'E'+40 TO STA 468'E'+67
STA 469'F'+00 TO STA 478'F'+99

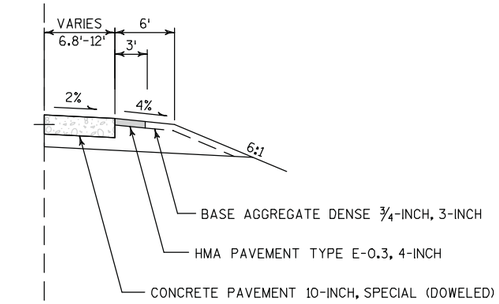


FINISHED TYPICAL SECTION
STH 93 EB RAMPS

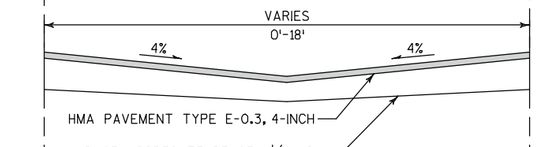
STA 469'G'+76 TO STA 479'G'+81
STA 457'H'+34 TO STA 469'H'+25



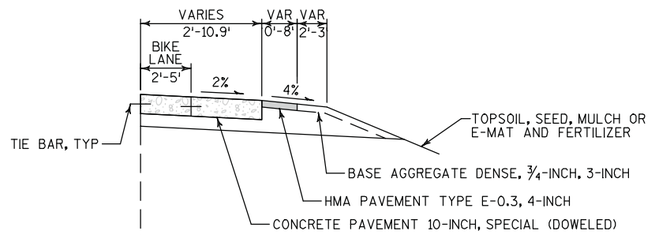
STA 17'NB'+71 TO STA 21'NB'+01



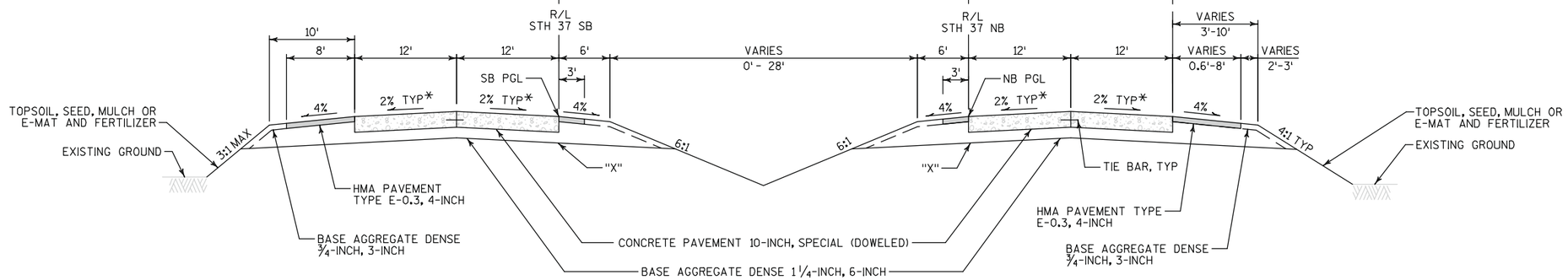
STA 39'SB'+35 TO STA 40'SB'+00



STA 8'NB'+05 TO STA 11'NB'+82



STA 19'NB'+65 TO STA 21'NB'+01
STA 39'NB'+31 TO STA 40'NB'+00

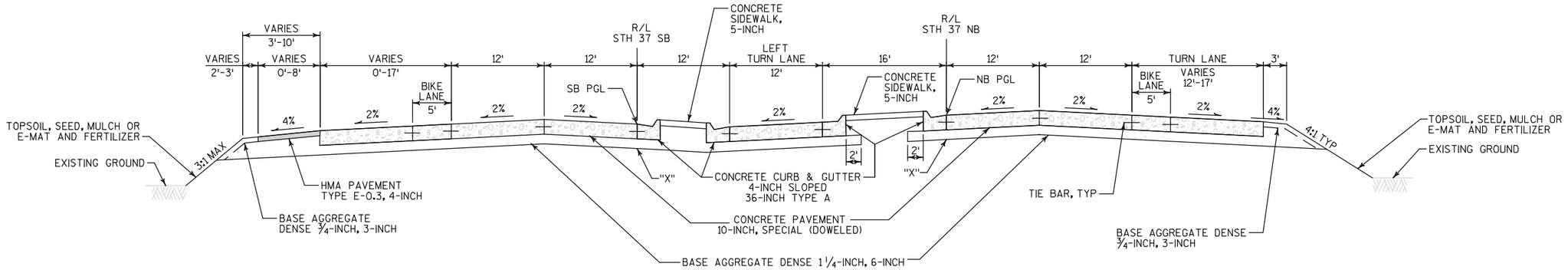


FINISHED TYPICAL SECTION
STH 37
STA 8'NB'+05 TO STA 21'NB'+01
STA 39'NB'+31 TO STA 40'NB'+00

*SEE ALIGNMENT DIAGRAM FOR SUPERELEVATION MAX
"X" = POINT REFERRED TO ON CROSS SECTIONS

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	TYPICAL SECTIONS - STH 37	SHEET 15	E

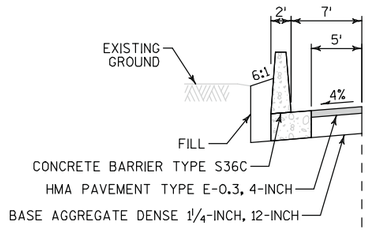
2



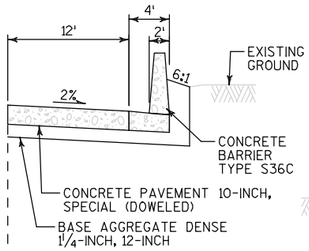
FINISHED TYPICAL SECTION
STH 37
STA 21'NB'+01 TO STA 23'NB'+53

*SEE ALIGNMENT DIAGRAM FOR SUPERELEVATION MAX
"X" = POINT REFERRED TO ON CROSS SECTIONS

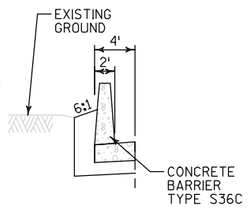
PROJECT NO:1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	TYPICAL SECTIONS - STH 37	SHEET 16	E



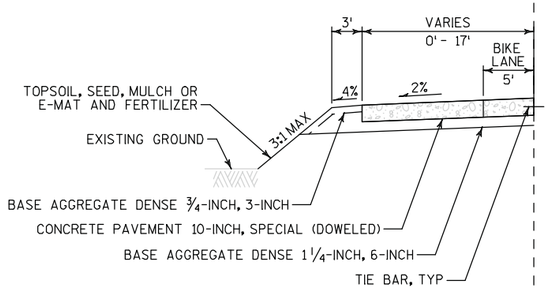
STA 29'SB'+40 TO STA 31'SB'+50



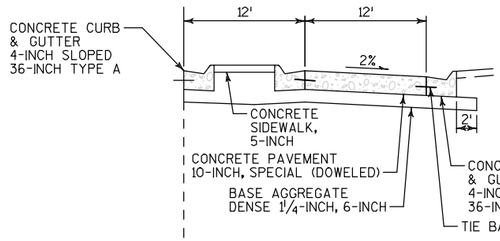
STA 29'SB'+40 TO STA 31'SB'+50



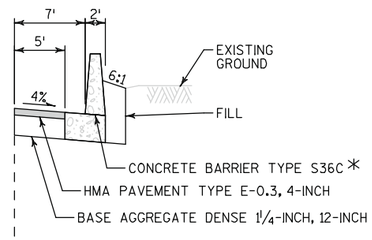
STA 29'NB'+00 TO STA 31'NB'+25



STA 24'SB'+55 TO STA 29'SB'+15

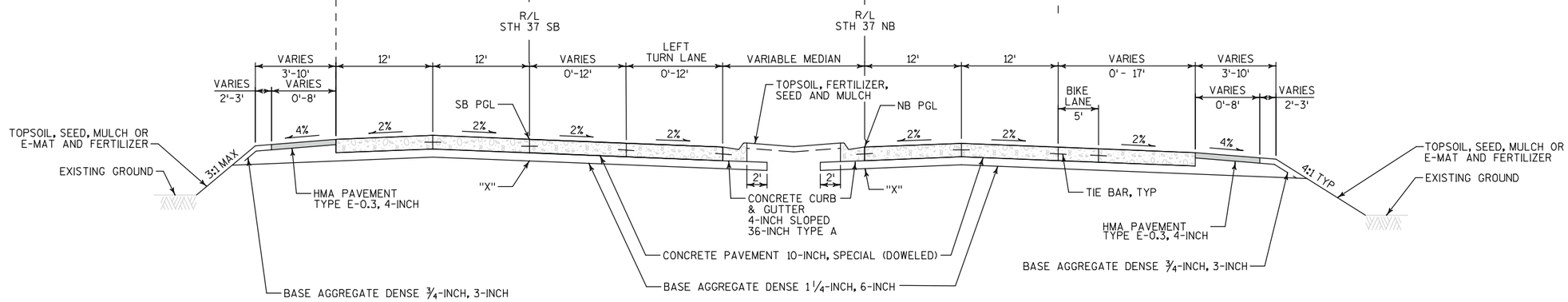


STA 24'SB'+55 TO STA 25'SB'+72



STA 29'NB'+00 TO STA 31'NB'+25

* SEE PAVING DETAILS FOR LOCATION OF CONCRETE BARRIER TYPE S36C SPECIAL



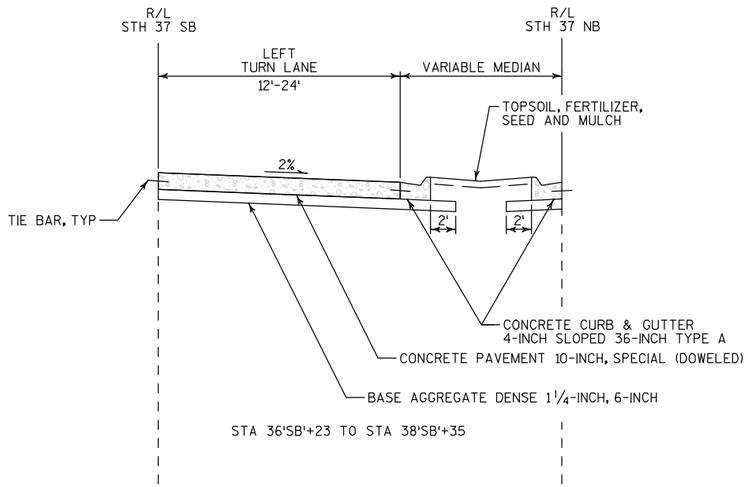
FINISHED TYPICAL SECTION
STH 37

STA 24'NB'+55 TO STA 35'NB'+86

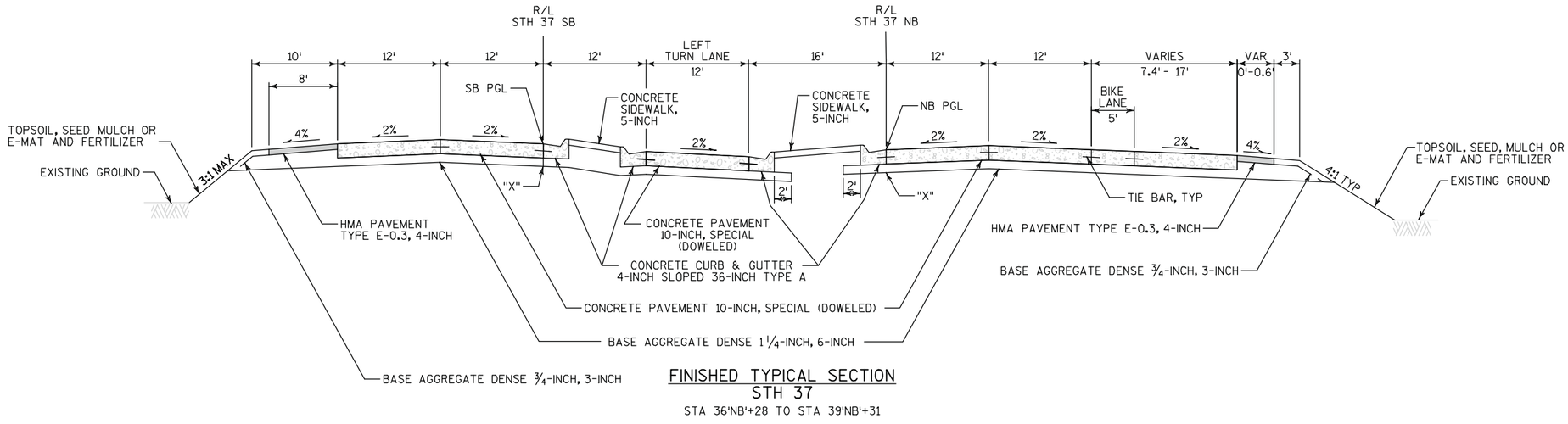
"X" = POINT REFERRED TO ON CROSS SECTIONS

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	TYPICAL SECTIONS - STH 37	SHEET 17	E

2



STA 36'SB'+23 TO STA 38'SB'+35



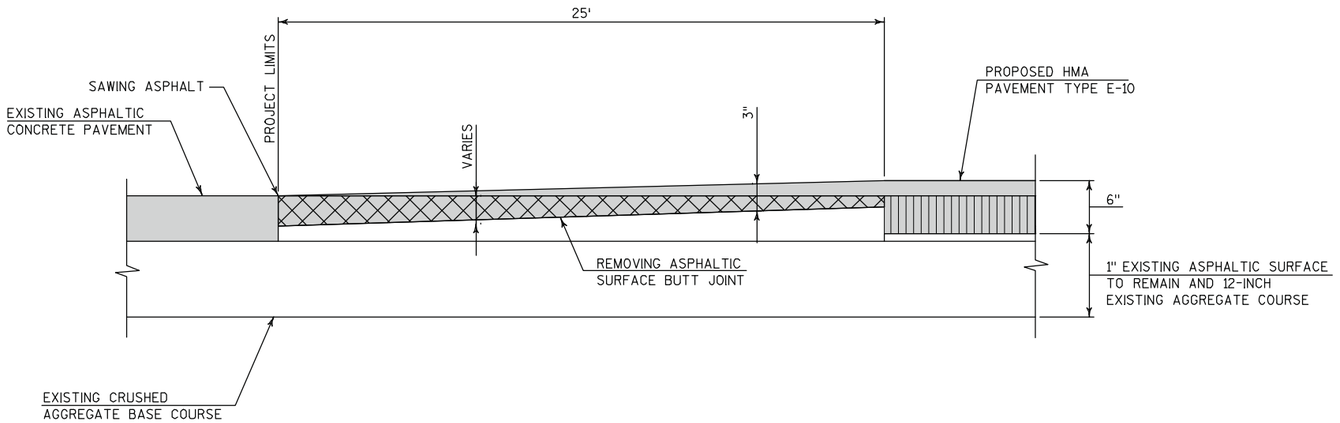
FINISHED TYPICAL SECTION
STH 37

STA 36'NB'+28 TO STA 39'NB'+31

"X" = POINT REFERRED TO ON CROSS SECTIONS

PROJECT NO:1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	TYPICAL SECTIONS - STH 37	SHEET 18	E

2



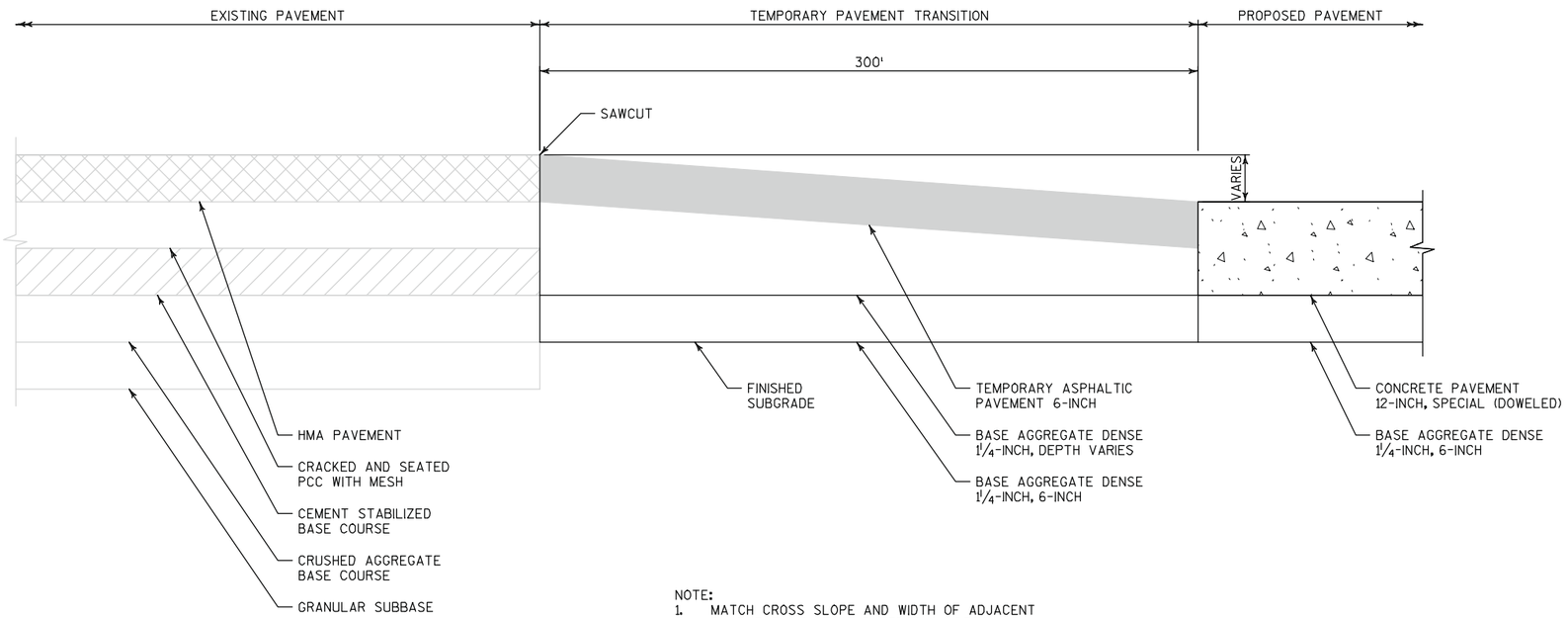
RAMP BUTT JOINT DETAIL

RAMP 'E' RAMP 'F'
RAMP 'G' RAMP 'H'

REMOVING ASPHALTIC
SURFACE BUTT JOINT

REMOVING ASPHALTIC
SURFACE MILLING

2



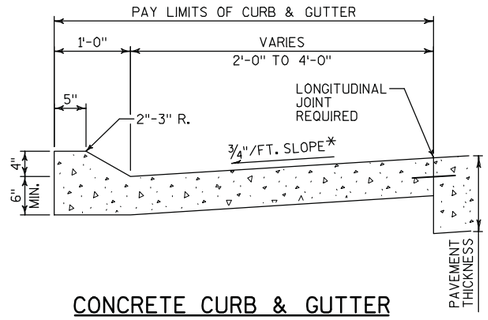
NOTE:
1. MATCH CROSS SLOPE AND WIDTH OF ADJACENT PAVEMENT, INCLUDING PAVED SHOULDERS.

2. LENGTH OF TRANSITION TO BE FIELD VERIFIED TO FIT CONDITIONS, AS APPROVED BY THE ENGINEER.

TEMPORARY PAVEMENT TRANSITION

STAGE 1B
STAGE 2
STAGE 5

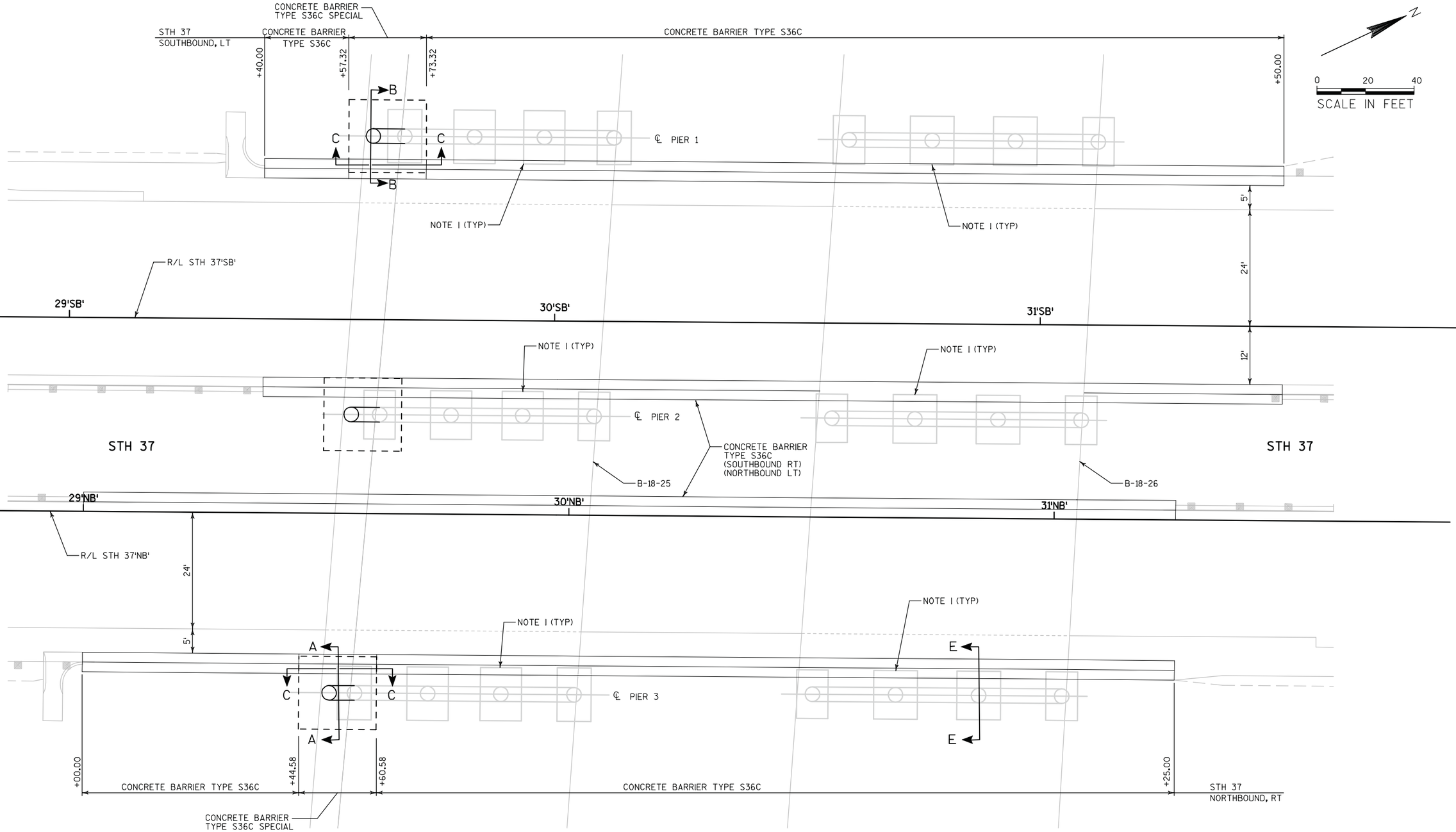
2



CONCRETE CURB & GUTTER
4-INCH SLOPED,
60-INCH TYPE A SPECIAL
RAMP A

NOTE:
SEE SDD "CONCRETE CURB, CONCRETE CURB & GUTTER AND PAVEMENT TIES" FOR DETAILS NOT SHOWN.

* TRANSITION SLOPE TO MATCH BRIDGE DECK



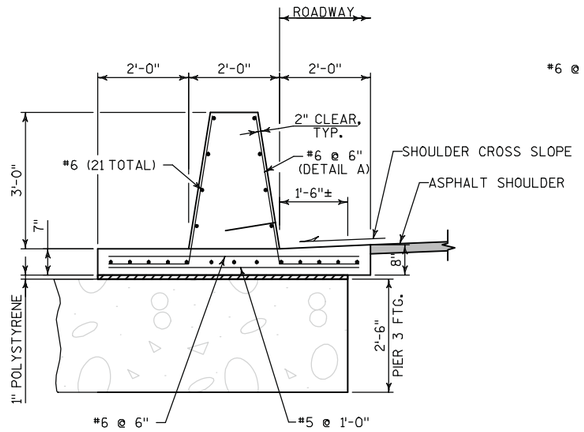
SPECIAL TREATMENTS AT BRIDGE FOOTINGS

PLAN VIEW

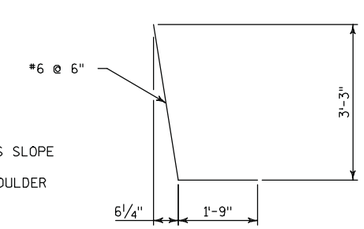
SEE CONSTRUCTION DETAILS - CONCRETE BARRIER TYPE S36C SPECIAL

NOTES:

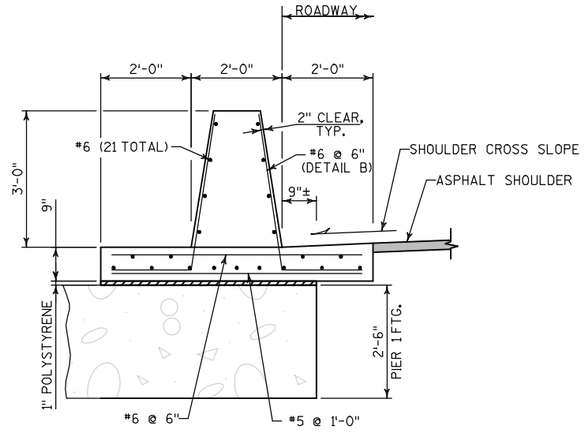
1. PLACE 2" THICK POLYSTYRENE ON TOP OF EXISTING STRUCTURE FOOTING PRIOR TO INSTALLING CONCRETE BARRIER TO PROTECT CONCRETE SURFACES COST IS INCIDENTAL TO CONCRETE BARRIER TYPE S36C.



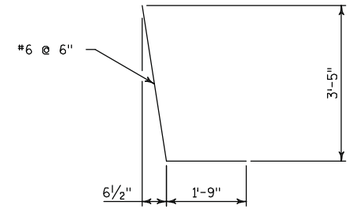
SECTION A-A



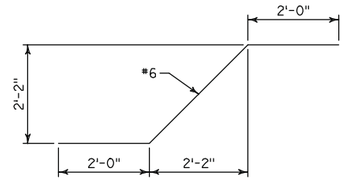
DETAIL A



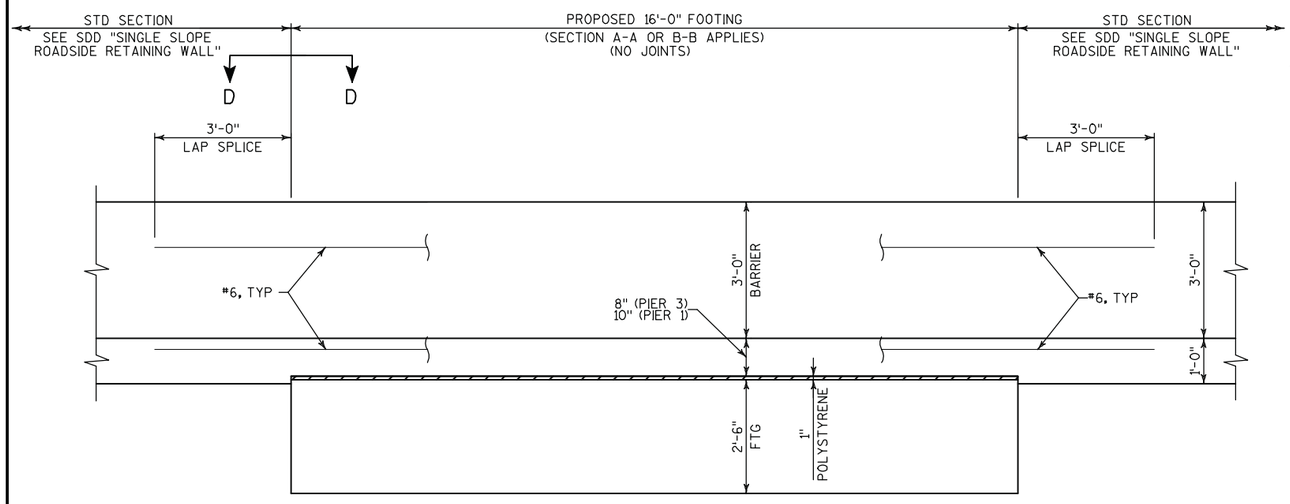
SECTION B-B



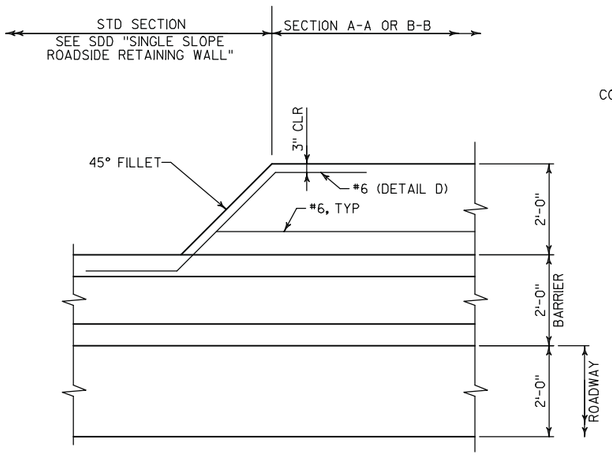
DETAIL B



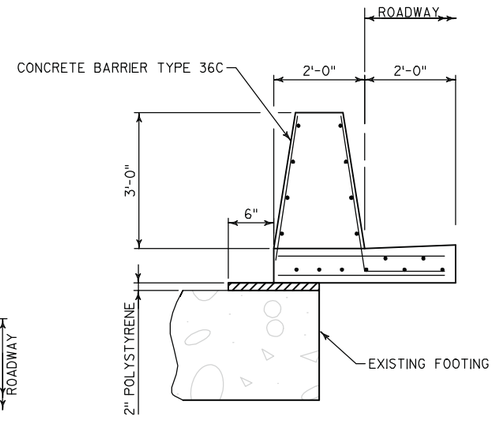
DETAIL D



SECTION C-C



VIEW D-D



SECTION E-E

NOTE:

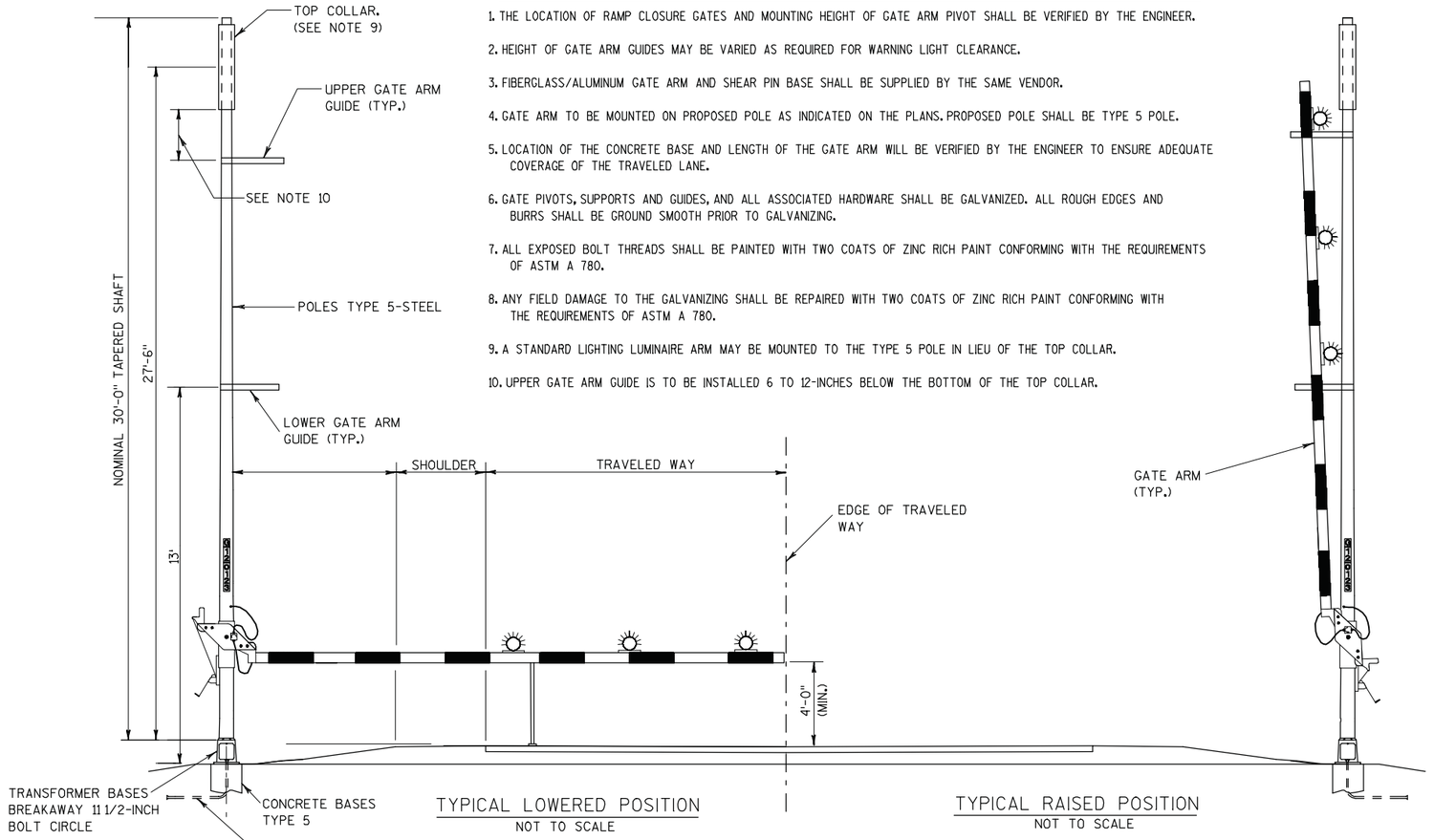
1. ALL REINFORCING STEEL EPOXY COATED.
2. SEE SDD "SINGLE SLOPE ROADSIDE RETAINING WALL" FOR OTHER DETAILS.

CONCRETE BARRIER TYPE S36C SPECIAL

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CONSTRUCTION DETAILS	SHEET 23	E

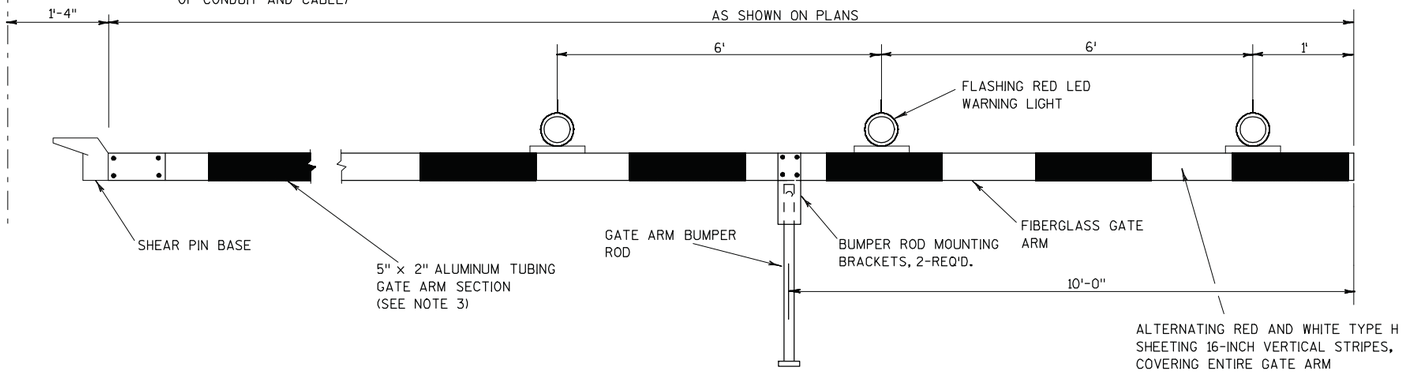
GENERAL NOTES

1. THE LOCATION OF RAMP CLOSURE GATES AND MOUNTING HEIGHT OF GATE ARM PIVOT SHALL BE VERIFIED BY THE ENGINEER.
2. HEIGHT OF GATE ARM GUIDES MAY BE VARIED AS REQUIRED FOR WARNING LIGHT CLEARANCE.
3. FIBERGLASS/ALUMINUM GATE ARM AND SHEAR PIN BASE SHALL BE SUPPLIED BY THE SAME VENDOR.
4. GATE ARM TO BE MOUNTED ON PROPOSED POLE AS INDICATED ON THE PLANS. PROPOSED POLE SHALL BE TYPE 5 POLE.
5. LOCATION OF THE CONCRETE BASE AND LENGTH OF THE GATE ARM WILL BE VERIFIED BY THE ENGINEER TO ENSURE ADEQUATE COVERAGE OF THE TRAVELED LANE.
6. GATE PIVOTS, SUPPORTS AND GUIDES, AND ALL ASSOCIATED HARDWARE SHALL BE GALVANIZED. ALL ROUGH EDGES AND BURRS SHALL BE GROUND SMOOTH PRIOR TO GALVANIZING.
7. ALL EXPOSED BOLT THREADS SHALL BE PAINTED WITH TWO COATS OF ZINC RICH PAINT CONFORMING WITH THE REQUIREMENTS OF ASTM A 780.
8. ANY FIELD DAMAGE TO THE GALVANIZING SHALL BE REPAIRED WITH TWO COATS OF ZINC RICH PAINT CONFORMING WITH THE REQUIREMENTS OF ASTM A 780.
9. A STANDARD LIGHTING LUMINAIRE ARM MAY BE MOUNTED TO THE TYPE 5 POLE IN LIEU OF THE TOP COLLAR.
10. UPPER GATE ARM GUIDE IS TO BE INSTALLED 6 TO 12-INCHES BELOW THE BOTTOM OF THE TOP COLLAR.

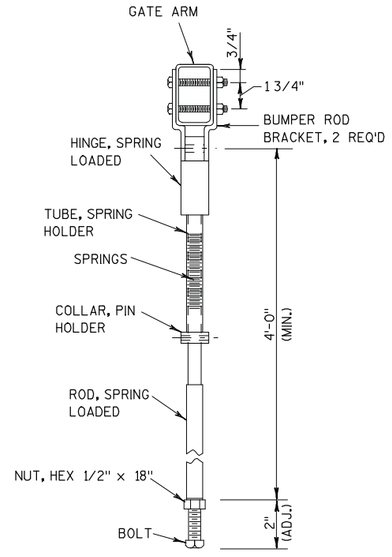


TYPICAL LOWERED POSITION
NOT TO SCALE

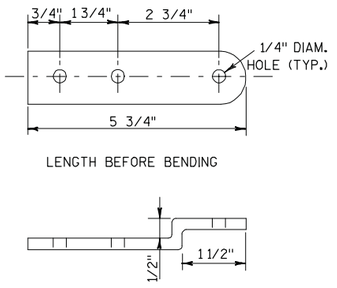
TYPICAL RAISED POSITION
NOT TO SCALE



GATE DETAIL
(SOLAR POWER OPTION)



GATE ARM BUMPER ROD DETAIL



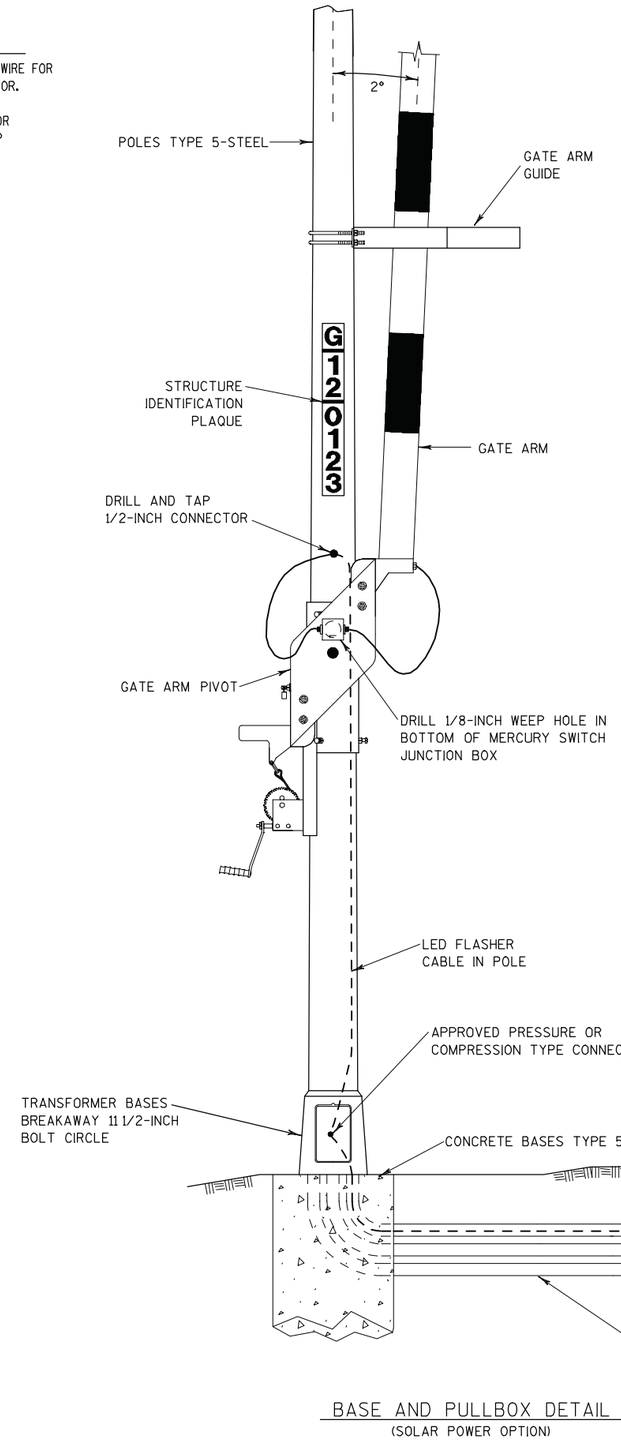
BUMPER ROD MOUNTING BRACKET DETAIL

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CONSTRUCTION DETAILS	SHEET 24	E

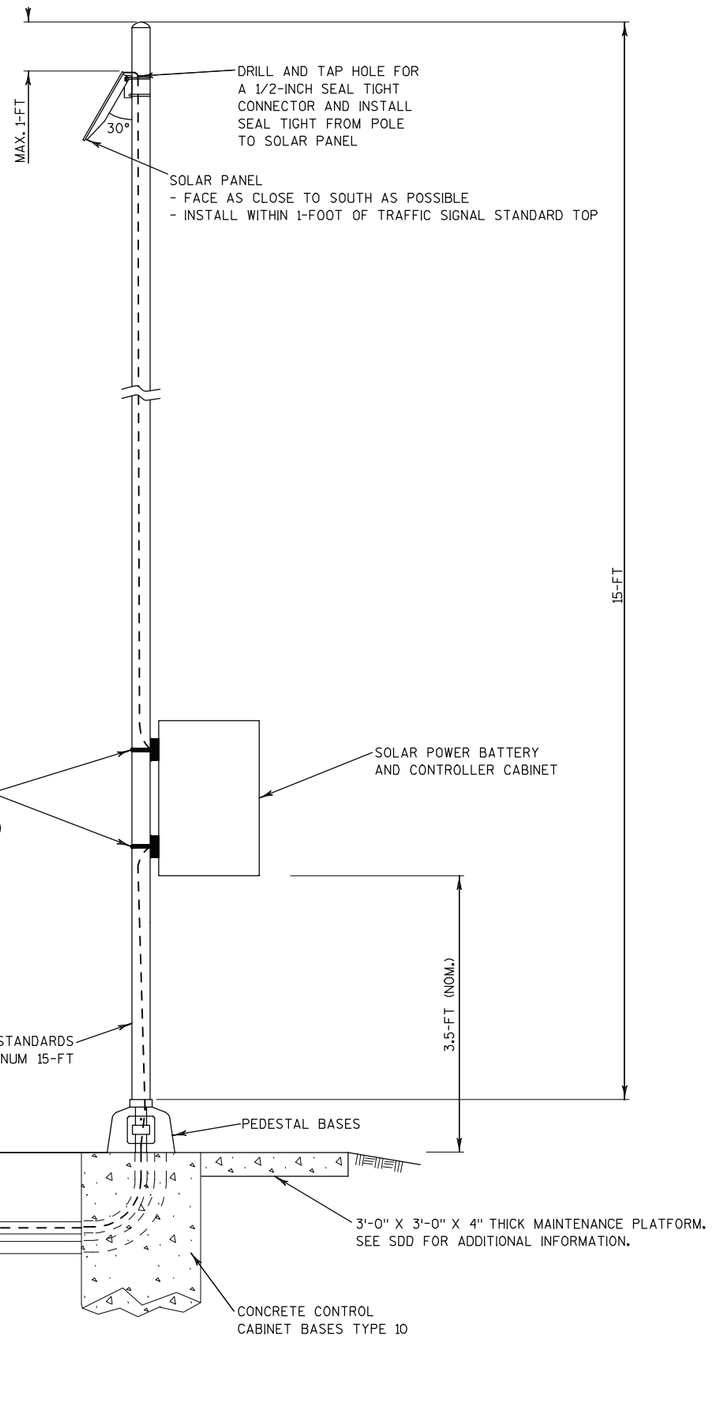
WIRING NOTES

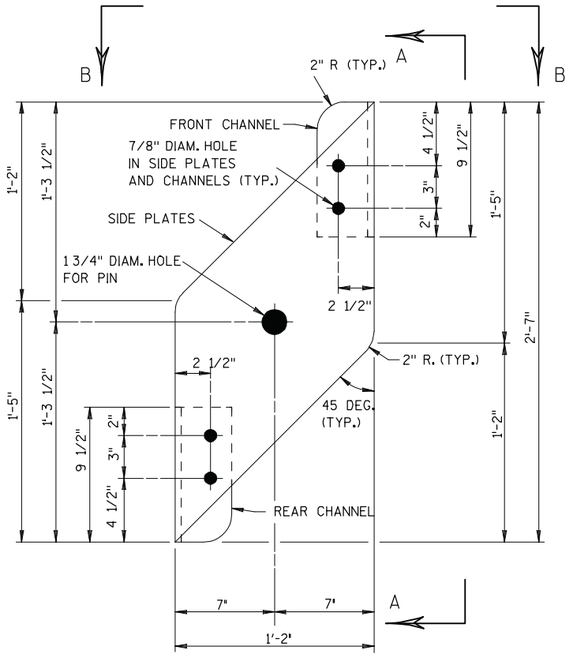
1. WIRING FROM SOLAR PANEL TO CABINET SHALL BE BLUE #10 XLP WIRE FOR POSITIVE CONDUCTOR AND WHITE #10 XLP FOR NEGATIVE CONDUCTOR.

2. WIRING FROM CABINET TO GATE ARM SHALL BE WHITE #10 XLP FOR COMMON, RED #10 XLP FOR FLASHER CIRCUIT 1, AND BLUE #10 XLP FOR FLASHER CIRCUIT 2.

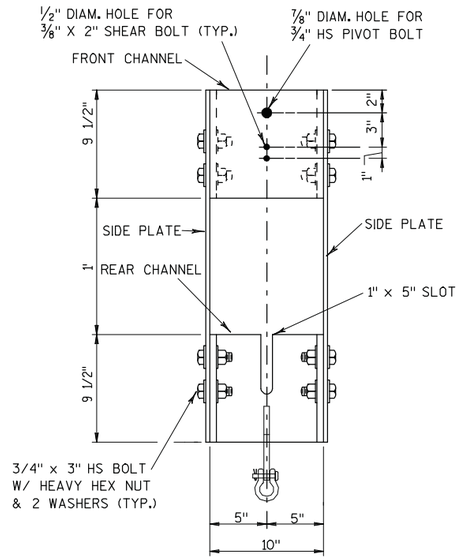


BASE AND PULLBOX DETAIL
(SOLAR POWER OPTION)

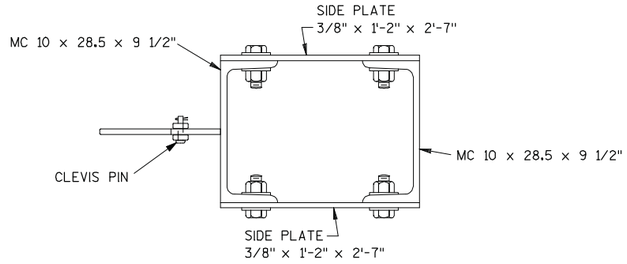




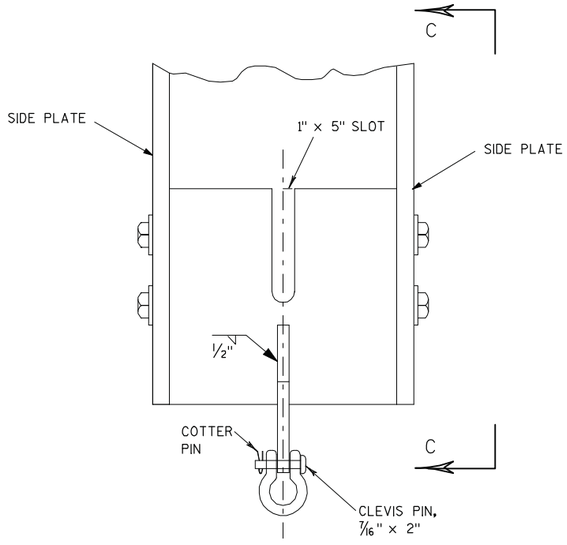
SIDE PLATE DETAIL



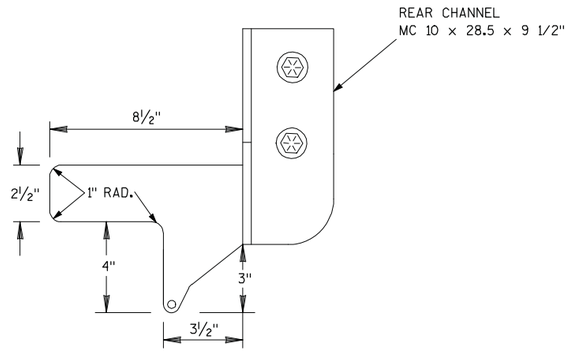
SECTION A-A



SECTION B-B



YOKE ASSEMBLY DETAIL



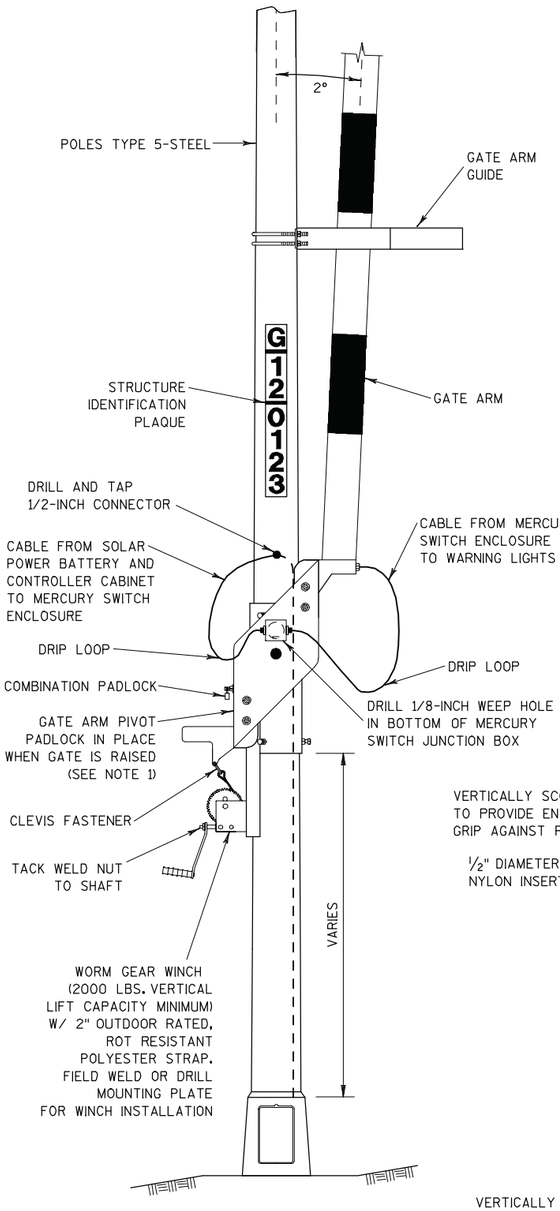
SECTION C-C

PROJECT NO:1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CONSTRUCTION DETAILS	SHEET 26	E

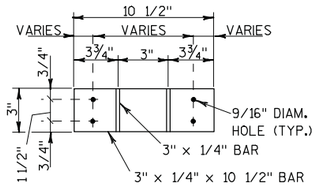
2

GENERAL NOTES

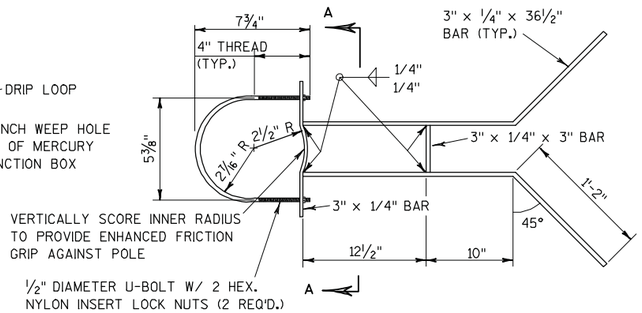
1. WHEN THE GATE IS FULLY RAISED, THE NUT AND WASHER SHALL BE PLACED SNUGLY AGAINST THE OUTSIDE OF THE REAR CHANNEL AND PADLOCKED IN PLACE.
2. WHEN THE GATE IS FULLY LOWERED, THE NUT AND WASHER SHALL BE PLACED SNUGLY AGAINST THE INSIDE OF THE REAR CHANNEL AND PADLOCKED INTO PLACE.
3. ANTI-SEIZE LUBRICATING MATERIAL SHALL BE USED ON ALL BOLT THREADS BEFORE INSTALLATION.
4. ALL BOLTS SHALL BE GALVANIZED AND CONFORM TO ASTM A307, GRADE A, UNLESS DESIGNATED AS HS (HIGH STRENGTH), WHICH SHALL CONFORM TO ASTM A325. BOLTS OF 1/2" NOMINAL DIAMTER OR LESS MAY BE STAINLESS STEEL.



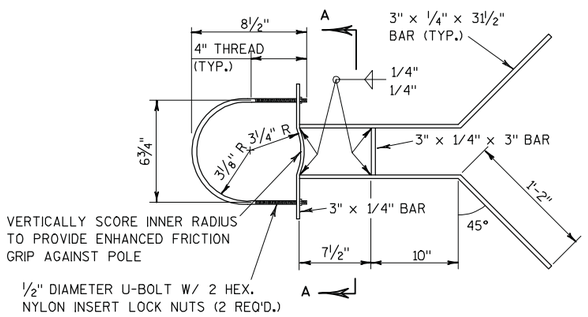
GATE PIVOT ASSEMBLY



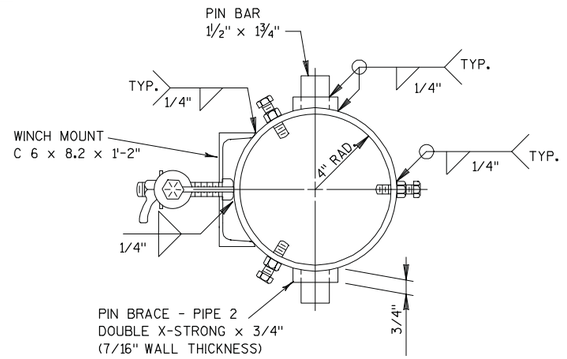
SECTION A-A
U-BOLTS NOT SHOWN



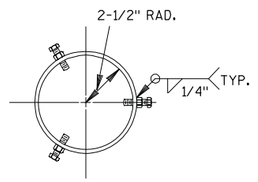
UPPER GATE ARM GUIDE DETAIL



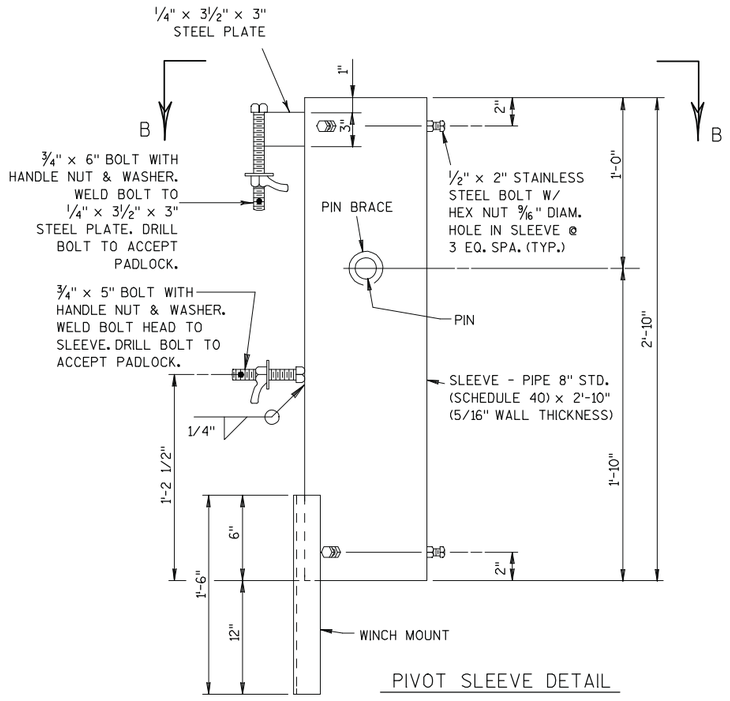
LOWER GATE ARM GUIDE DETAIL



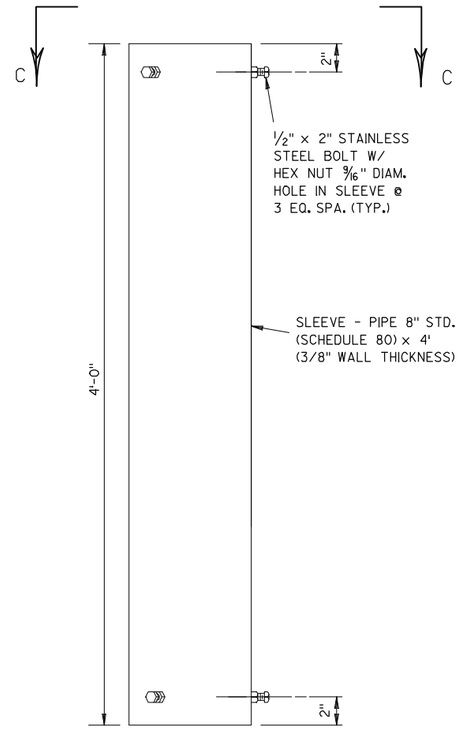
SECTION B-B



SECTION C-C



PIVOT SLEEVE DETAIL

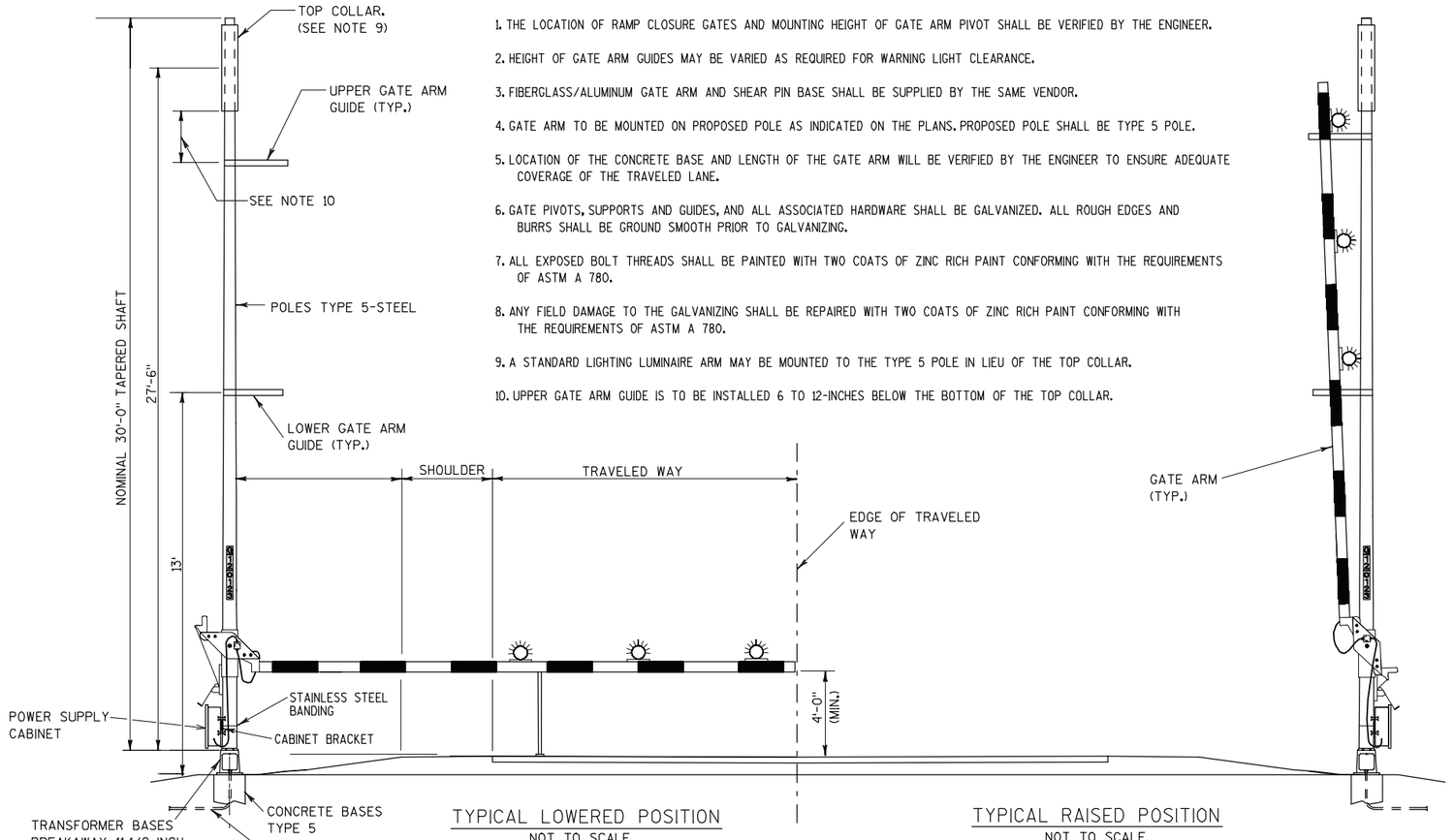


TOP COLLAR

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CONSTRUCTION DETAILS	SHEET 27	E

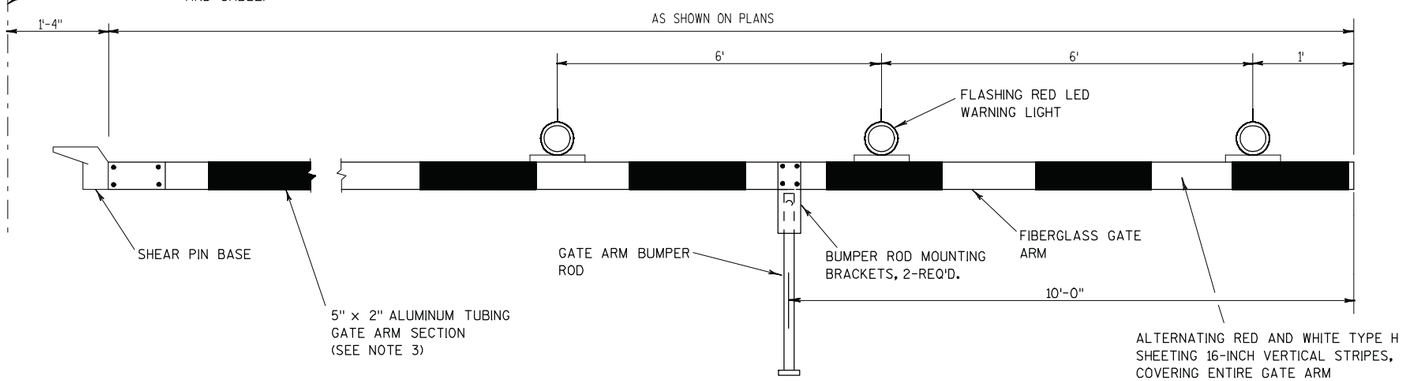
GENERAL NOTES

1. THE LOCATION OF RAMP CLOSURE GATES AND MOUNTING HEIGHT OF GATE ARM PIVOT SHALL BE VERIFIED BY THE ENGINEER.
2. HEIGHT OF GATE ARM GUIDES MAY BE VARIED AS REQUIRED FOR WARNING LIGHT CLEARANCE.
3. FIBERGLASS/ALUMINUM GATE ARM AND SHEAR PIN BASE SHALL BE SUPPLIED BY THE SAME VENDOR.
4. GATE ARM TO BE MOUNTED ON PROPOSED POLE AS INDICATED ON THE PLANS. PROPOSED POLE SHALL BE TYPE 5 POLE.
5. LOCATION OF THE CONCRETE BASE AND LENGTH OF THE GATE ARM WILL BE VERIFIED BY THE ENGINEER TO ENSURE ADEQUATE COVERAGE OF THE TRAVELED LANE.
6. GATE PIVOTS, SUPPORTS AND GUIDES, AND ALL ASSOCIATED HARDWARE SHALL BE GALVANIZED. ALL ROUGH EDGES AND BURRS SHALL BE GROUND SMOOTH PRIOR TO GALVANIZING.
7. ALL EXPOSED BOLT THREADS SHALL BE PAINTED WITH TWO COATS OF ZINC RICH PAINT CONFORMING WITH THE REQUIREMENTS OF ASTM A 780.
8. ANY FIELD DAMAGE TO THE GALVANIZING SHALL BE REPAIRED WITH TWO COATS OF ZINC RICH PAINT CONFORMING WITH THE REQUIREMENTS OF ASTM A 780.
9. A STANDARD LIGHTING LUMINAIRE ARM MAY BE MOUNTED TO THE TYPE 5 POLE IN LIEU OF THE TOP COLLAR.
10. UPPER GATE ARM GUIDE IS TO BE INSTALLED 6 TO 12-INCHES BELOW THE BOTTOM OF THE TOP COLLAR.

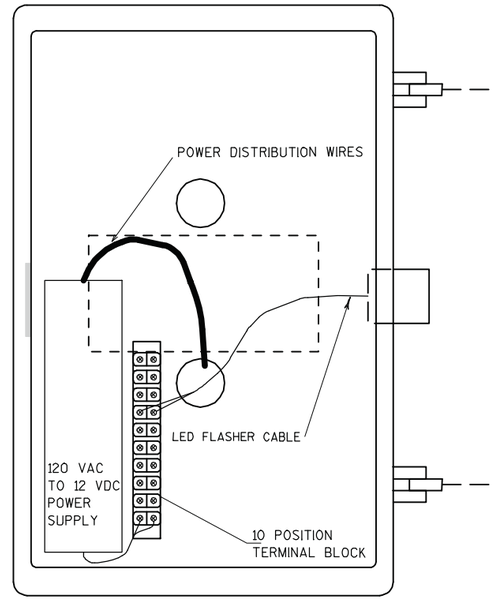


TYPICAL LOWERED POSITION
NOT TO SCALE

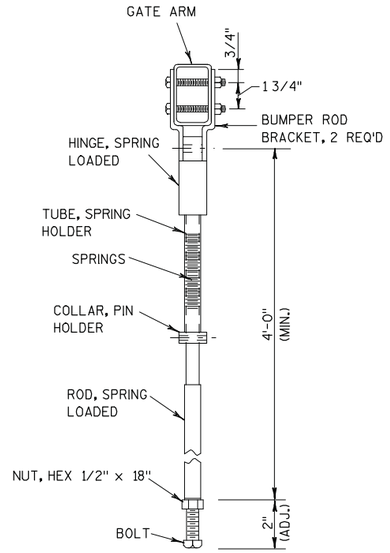
TYPICAL RAISED POSITION
NOT TO SCALE



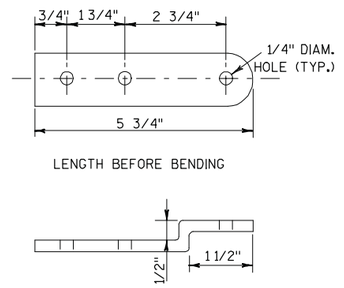
GATE DETAIL
(HARDWIRE POWER OPTION)



POWER SUPPLY CABINET

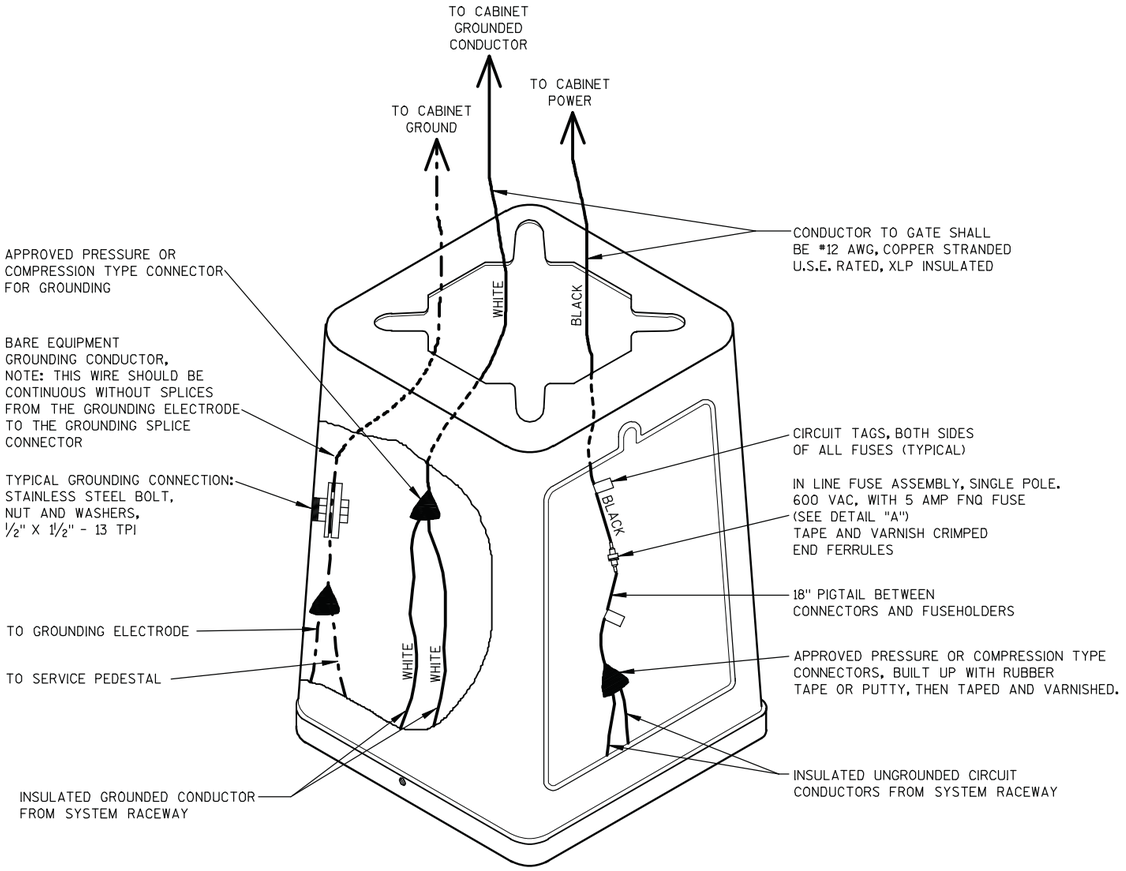


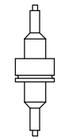
GATE ARM BUMPER ROD DETAIL



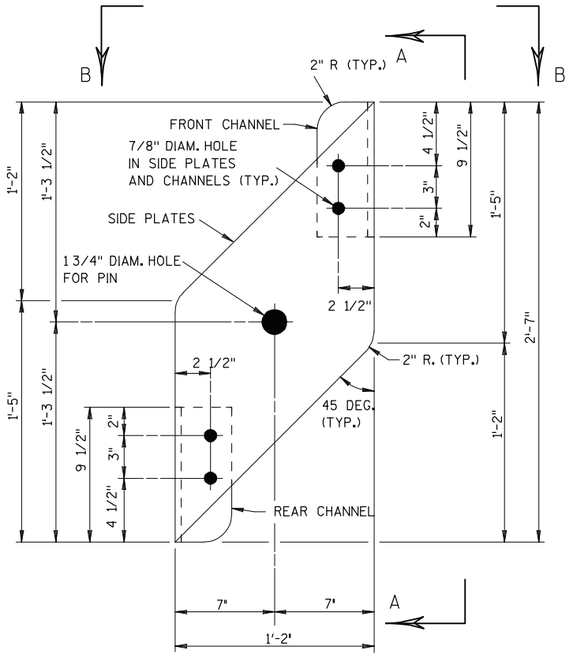
BUMPER ROD MOUNTING BRACKET DETAIL

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CONSTRUCTION DETAIL	SHEET 28	E

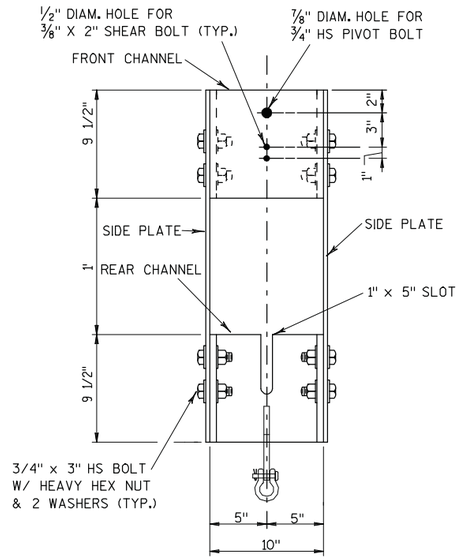




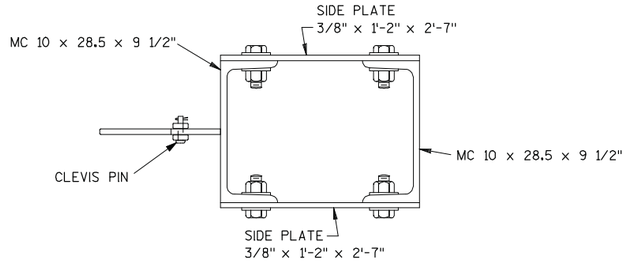
DETAIL "A"
SINGLE POLE



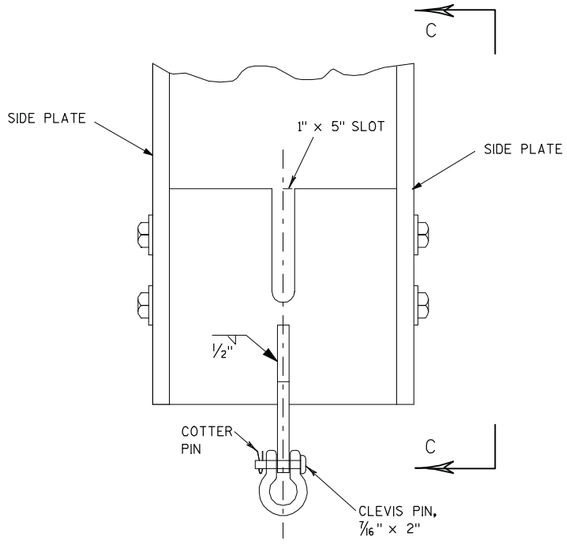
SIDE PLATE DETAIL



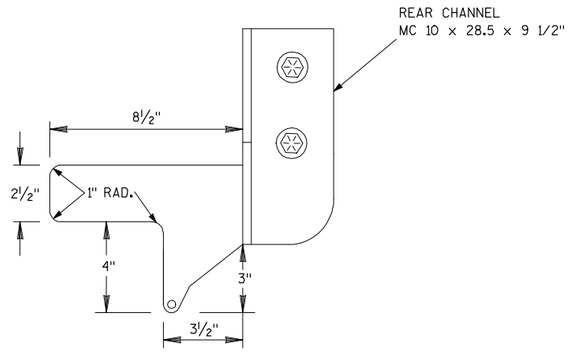
SECTION A-A



SECTION B-B



YOKE ASSEMBLY DETAIL

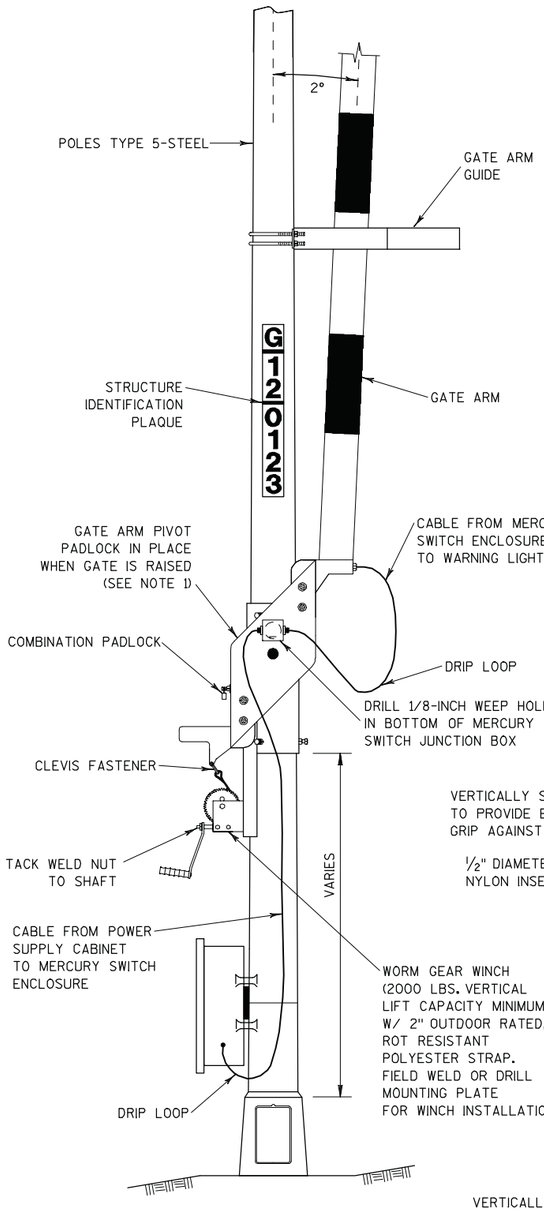


SECTION C-C

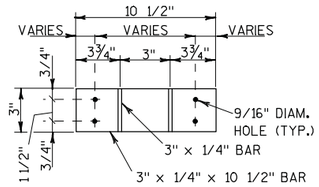
PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CONSTRUCTION DETAIL	SHEET 30	E

GENERAL NOTES

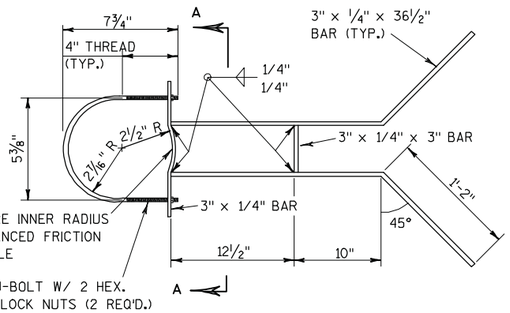
1. WHEN THE GATE IS FULLY RAISED, THE NUT AND WASHER SHALL BE PLACED SNUGLY AGAINST THE OUTSIDE OF THE REAR CHANNEL AND PADLOCKED IN PLACE.
2. WHEN THE GATE IS FULLY LOWERED, THE NUT AND WASHER SHALL BE PLACED SNUGLY AGAINST THE INSIDE OF THE REAR CHANNEL AND PADLOCKED INTO PLACE.
3. ANTI-SEIZE LUBRICATING MATERIAL SHALL BE USED ON ALL BOLT THREADS BEFORE INSTALLATION.
4. ALL BOLTS SHALL BE GALVANIZED AND CONFORM TO ASTM A307, GRADE A, UNLESS DESIGNATED AS HS (HIGH STRENGTH), WHICH SHALL CONFORM TO ASTM A325. BOLTS OF 1/2" NOMINAL DIAMTER OR LESS MAY BE STAINLESS STEEL.



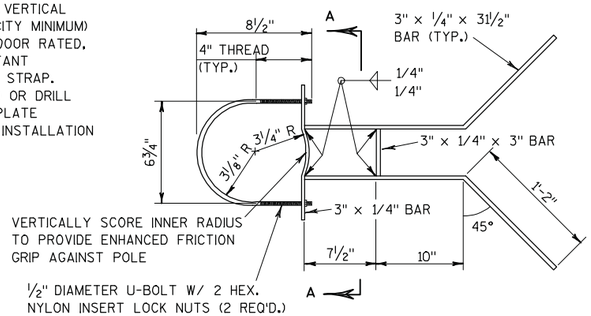
GATE PIVOT ASSEMBLY



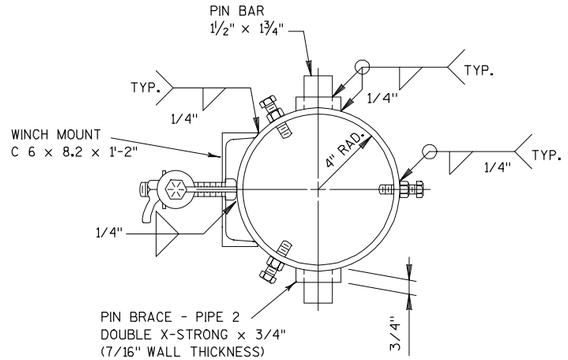
SECTION A-A
U-BOLTS NOT SHOWN



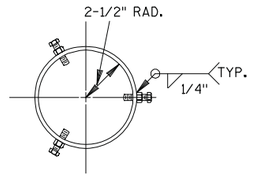
UPPER GATE ARM GUIDE DETAIL



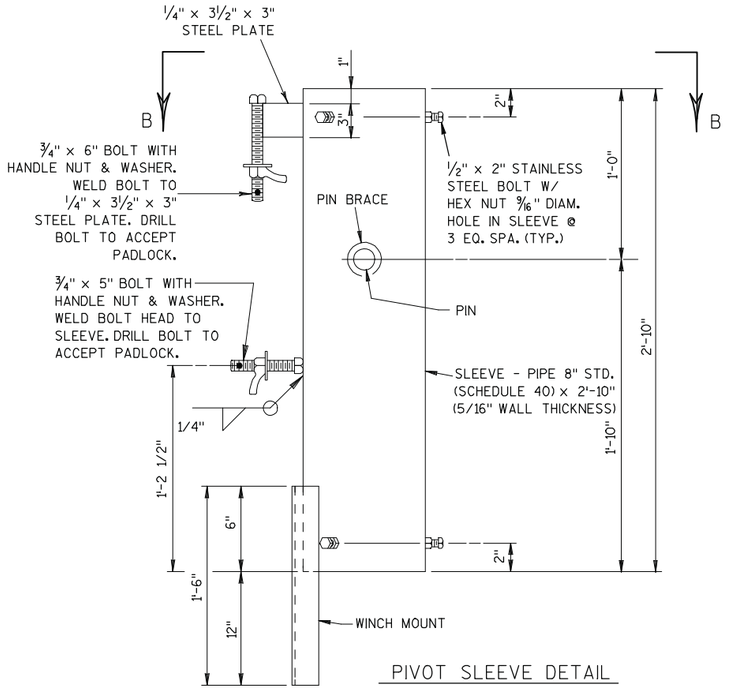
LOWER GATE ARM GUIDE DETAIL



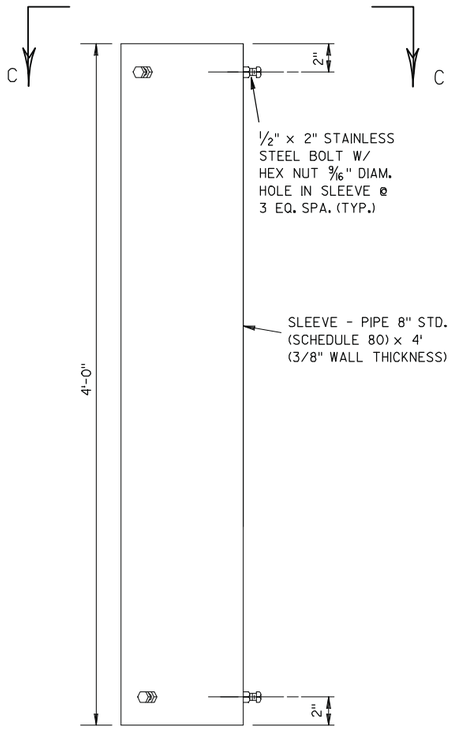
SECTION B-B



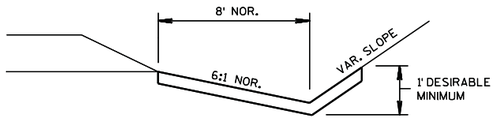
SECTION C-C



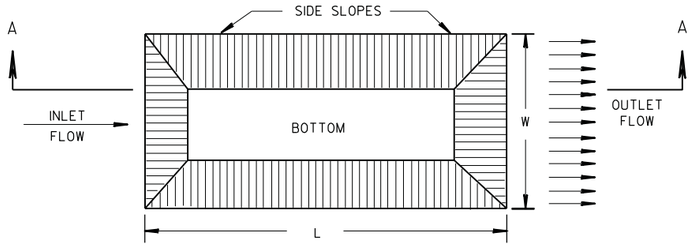
PIVOT SLEEVE DETAIL



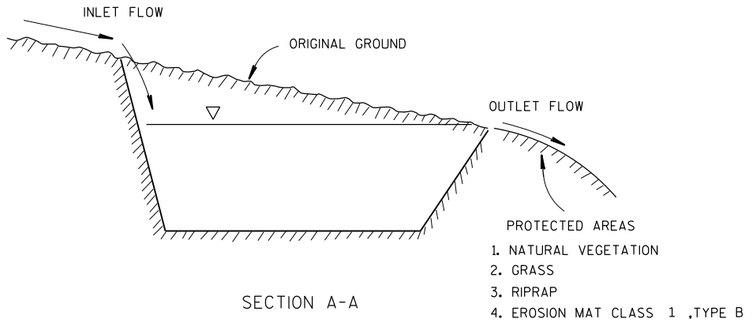
TOP COLLAR



EROSION MAT DETAIL FOR DITCHES

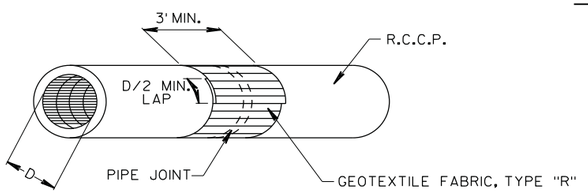


PLAN VIEW



SECTION A-A

TYPICAL TEMPORARY SEDIMENT BASIN



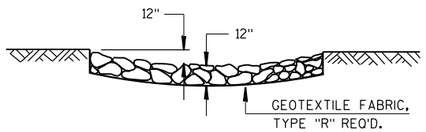
GEOTEXTILE FABRIC REQUIRED FOR PIPE JOINTS

PIPE DIA. (IN.)	PIPE O.D. (IN.)	FABRIC/JOINT (S.Y.)
18	23	2.3
21	26.5	2.6
24	30	3.0
27	33.5	3.3
30	37	3.6
36	44	4.3
42	51	5.0
48	58	5.7
54	65	6.4
60	72	7.1
66	79	7.8
72	86	8.5

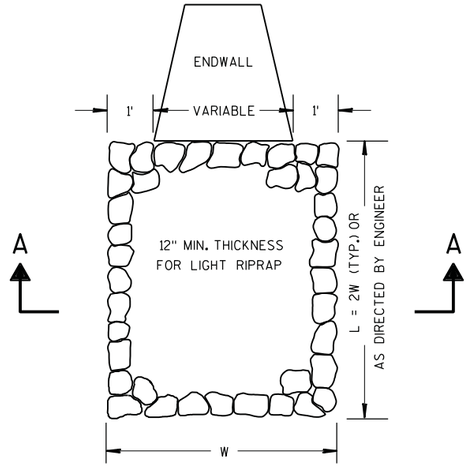
DETAIL OF WRAPPED PIPE JOINT

WRAP ALL JOINTS

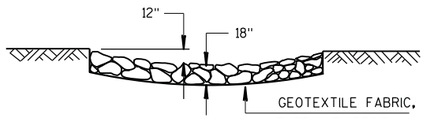
2



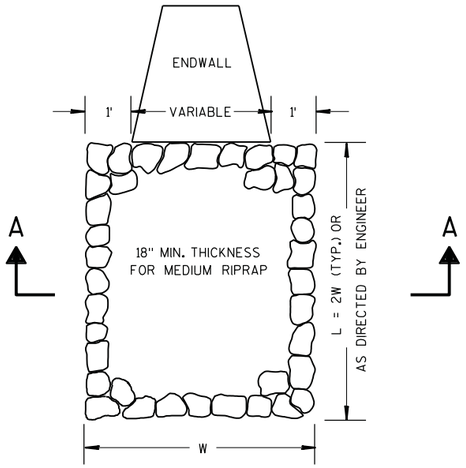
SECTION A-A



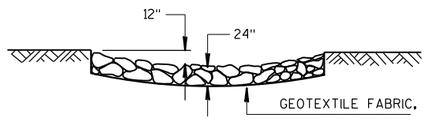
LIGHT RIPRAP TREATMENT AT CULVERTS



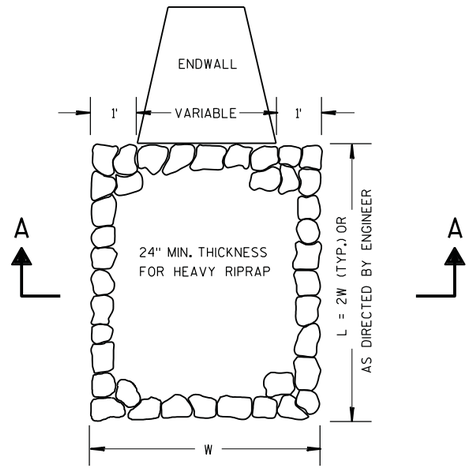
SECTION A-A



MEDIUM RIPRAP TREATMENT AT CULVERTS

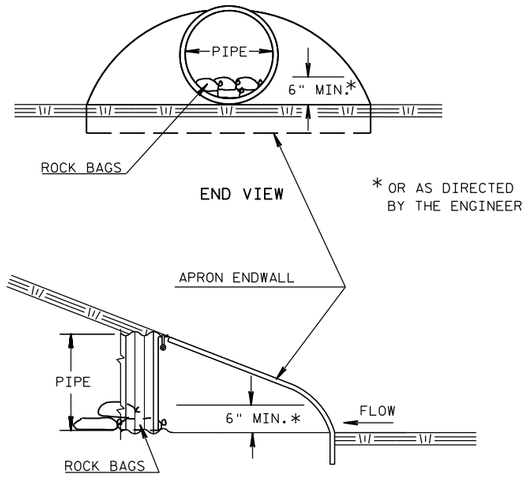


SECTION A-A



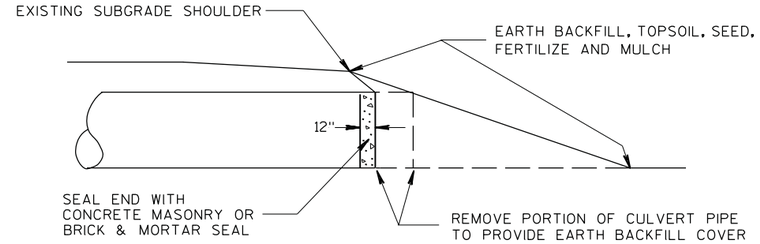
HEAVY RIPRAP TREATMENT AT CULVERTS

2

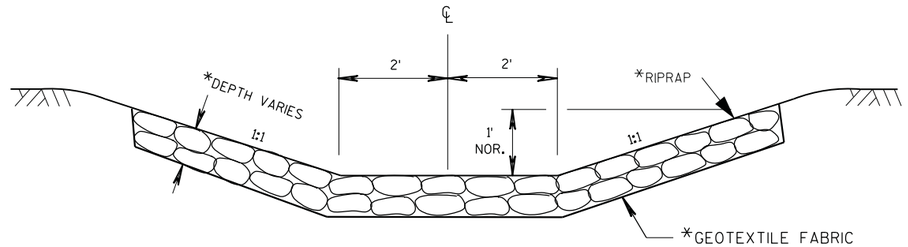


SIDE VIEW

CULVERT PIPE CHECKS



ABANDONING CULVERT PIPE DETAIL



RIPRAP TYPE	DEPTH	GEOTEXTILE FABRIC TYPE
LIGHT	1.0	'R'
MEDIUM	1.5	'HR'
HEAVY	2.0	'HR'

DETAIL FOR SPECIAL DITCH WITH RIPRAP AND GEOTEXTILE FABRIC

2

STEEL THRIE BEAM
STRUCTURE APPROACH

1Ø3
8Ø1.69

261'A'

IH 94 WB

256'WB'

+16.9
6.0'

258'WB'

+72.9
6.0'

260'WB'

+10.4
9.0'

+22.4
12.4'

311.92'

STEEL THRIE BEAM
BULLNOSE TERMINAL

+08.5
-37.2'

+96.5
-35.0'

256'EB'

260'EB'

258'EB'

+28.7
-4.0'

STEEL THRIE BEAM

IH 94 EB

F0 F0 F0

2

261'A'

262'A'

264'A'

266'A'

31'SB'

31'NB'

IH 94 WB

STEEL THRIE BEAM

+82.9
-53.9'

B-18-26

262'WB'

264'WB'

266'WB'

STEEL THRIE BEAM
BULLNOSE TERMINAL

+13.8
-22.6'

+39.6
35.0'

287.23'

262'EB'

264'EB'

266'EB'

30'SB'

30'NB'

+13.8
-12.4'

+25.7
-9.0'

+63.2
-6.0'

IH 94 EB

+94.8
-6.0'

STEEL THRIE BEAM
STRUCTURE APPROACH

B-18-25

PROJECT NO: 1022-08-73	HWY: IH-94	COUNTY: EAU CLAIRE	STEEL THRIE BEAM BULLNOSE TERMINAL DETAIL	SHEET 35 E

FILE NAME : \\ACE-WORK\W\NWBE_PROJECTS\DESIGN\1029_I94\C3D_12\1029_FINAL_BEAMGUARD_PLAN.DWG PLOT DATE : 1/16/2013 9:15 PM PLOT BY : JEFF STELLRECHT PLOT NAME : ----------

2

B-18-26

IH 94 WB

STEEL THRIE BEAM
STRUCTURE APPROACH

266'WB'

268'WB'

270'WB'

272'WB'

+50.8
6.0'

+82.0
6.0'

+19.5
9.0'

+31.5
12.4'

286.87'

STEEL THRIE BEAM

STEEL THRIE BEAM
BULLNOSE TERMINAL

+05.6
-35.2'

+17.6
-37.3'

266'EB'

268'EB'

270'EB'

272'EB'

+37.4
-6.0'

B-18-25

IH 94 EB

B-18-204

IH 94 WB

STEEL THRIE BEAM
STRUCTURE APPROACH

300'WB'

302'WB'

304'WB'

+88.8
12.7'

+45.1
12.8'

+82.4
15.8'

+94.4
19.2'

211.75'

STEEL THRIE BEAM
BULLNOSE TERMINAL

+83.7
-30.6'

+71.7
-28.4'

PT: 304+36.96'WB'

300'EB'

302'EB'

304'EB'

+86.2
-12.5'

B-18-203

IH 94 EB

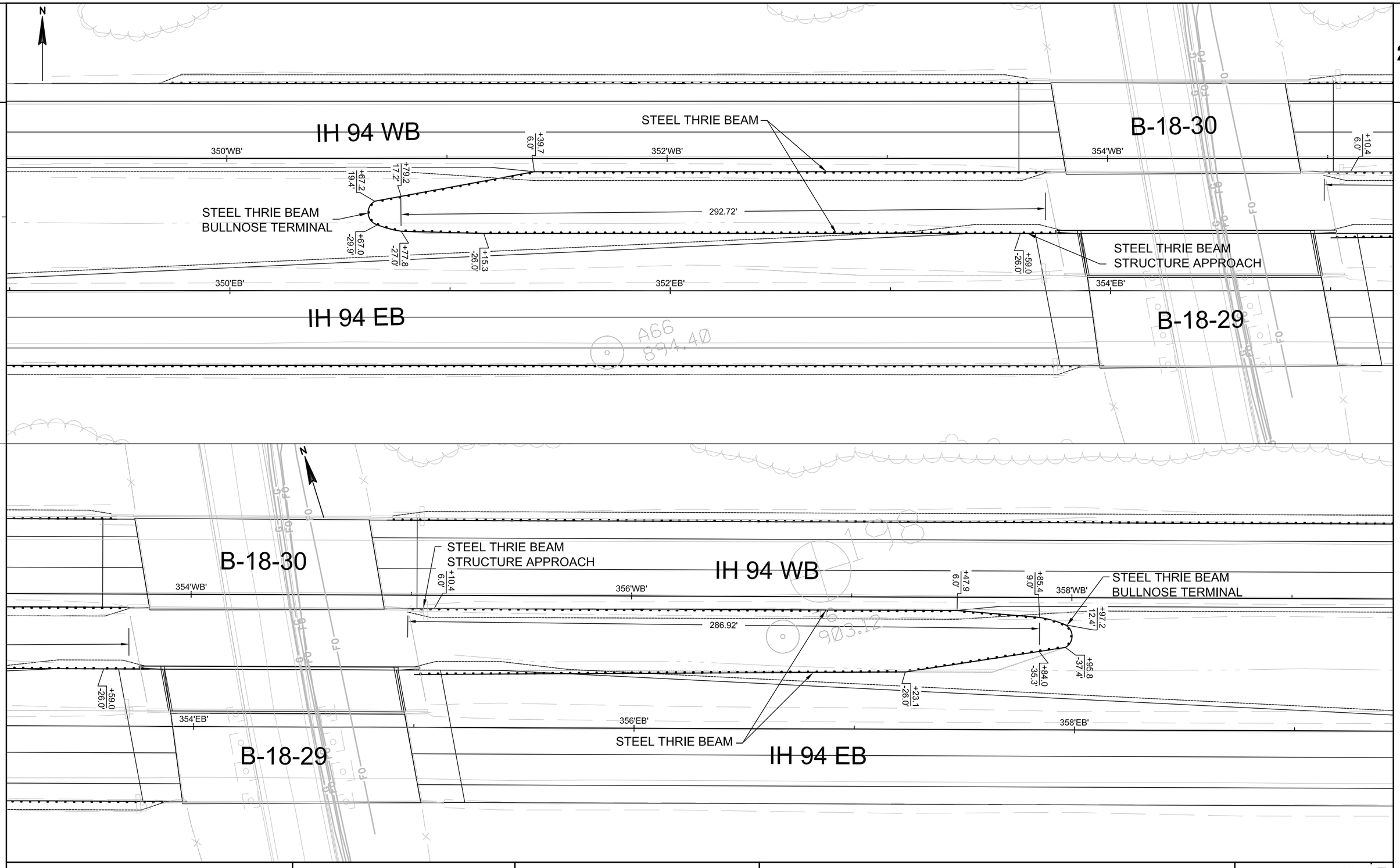
STEEL THRIE BEAM

PT: 304+27.25'EB'

PROJECT NO: 1022-08-73	HWY: IH-94	COUNTY: EAU CLAIRE	STEEL THRIE BEAM BULLNOSE TERMINAL DETAIL	SHEET 36 E

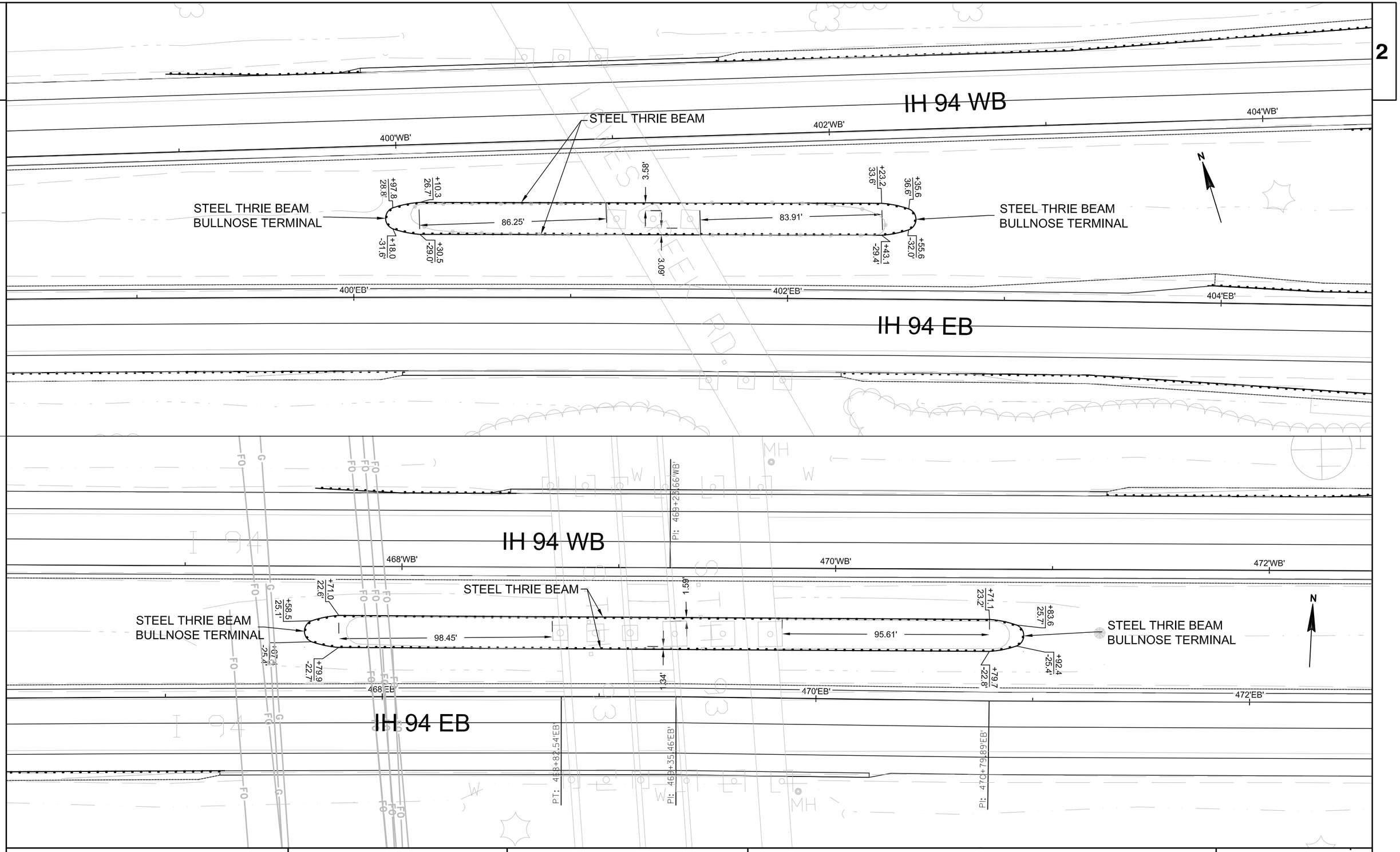
FILE NAME : \\ACE-WORK\W\NWBE_PROJECTS\DESIGN\1029_I94\C3D_12\1029_FINAL_BEAMGUARD_PLAN.DWG PLOT DATE : 1/16/2013 9:15 PM PLOT BY : JEFF STELLRECHT PLOT NAME : ----------

WISDOT/CADDS SHEET 42



PROJECT NO: 1022-08-73	HWY: IH-94	COUNTY: EAU CLAIRE	STEEL THRIE BEAM BULLNOSE TERMINAL DETAIL	SHEET 37 E

FILE NAME : \\ACE-WORK\W\NWBE_PROJECTS\DESIGN\1029_I94\C3D_12\1029_FINAL_BEAMGUARD_PLAN.DWG PLOT DATE : 1/16/2013 9:15 PM PLOT BY : JEFF STELLRECHT PLOT NAME : ----------



PROJECT NO: 1022-08-73	HWY: IH-94	COUNTY: EAU CLAIRE	STEEL THRIE BEAM BULLNOSE TERMINAL DETAIL	SHEET 38 E

2

STEEL THRIE BEAM
BULLNOSE TERMINAL

STH 37 SB

STEEL THRIE BEAM

IH 94 EB

IH 94 WB

26'SB' 27'SB' 28'SB' 29'SB' 30'SB' 266'EB' 266'WB' 31'SB' 266'A'

+91.3 17.7'
+78.8 19.3'
+28.7 14.0'

269.03'

-75.6 -10.5'

26'NB' 27'NB' 28'NB' 29'NB' 30'NB' 31'NB'

+88.1 -6.5'
+25.6 -2.0'
+81.9 -2.0'

STH 37 NB

STEEL THRIE BEAM
STRUCTURE APPROACH

STEEL THRIE BEAM
STRUCTURE APPROACH

STH 37 SB

IH 94 EB

IH 94 WB

30'SB' 266'EB' 266'WB' 31'SB' 266'A' 32'SB' 33'SB' 34'SB' 35'SB'

+68.2 14.0'
+04.4 14.0'
+41.9 18.5'
+54.4 22.5'

230.00'

STEEL THRIE BEAM
BULLNOSE TERMINAL

30'NB' 31'NB' 32'NB' 33'NB' 34'NB' 35'NB'

+01.3 -2.0'
+38.7 -5.7'
+51.2 -7.3'

STEEL THRIE BEAM

STH 37 NB

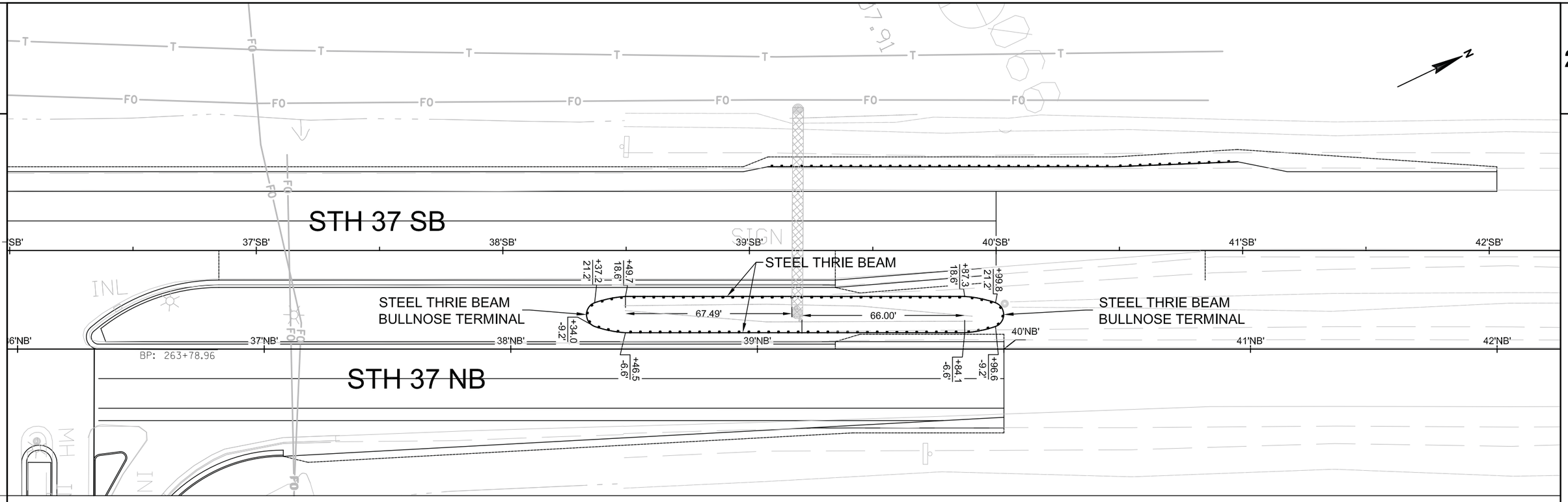
S.T.H. 37

S.T.H. 37

PROJECT NO: 1022-08-73	HWY: IH-94	COUNTY: EAU CLAIRE	STEEL THRIE BEAM BULLNOSE TERMINAL DETAIL	SHEET 39 E

FILE NAME : \\ACE-WORK\W\NWBE_PROJECTS\DESIGN\1029_I94\C3D_12\1029_FINAL_BEAMGUARD_PLAN.DWG PLOT DATE : 1/16/2013 9:15 PM PLOT BY : JEFF STELLRECHT PLOT NAME : ----------

2



PROJECT NO: 1022-08-73	HWY: IH-94	COUNTY: EAU CLAIRE	STEEL THRIE BEAM BULLNOSE TERMINAL DETAIL	SHEET 40 E

FILE NAME : \\ACE-WORK\W\NWBE_PROJECTS\DESIGN\1029_I94\C3D_12\1029_FINAL_BEAMGUARD_PLAN.DWG PLOT DATE : 1/16/2013 9:15 PM PLOT BY : JEFF STELLRECHT PLOT NAME : ----------

WISDOT/CADDS SHEET 42

NOTES: LANE WIDTH DIMENSIONS ARE SHOWN TO JOINT LINES/FLANGE LINES.

PAVEMENT GRADES ARE GENERALLY SHOWN AT 25'INTERVALS.

PAVEMENT GRADES ARE SHOWN AT CURB FLANGE LINES.

PAVEMENT GRADES SHOWN ALONG IH 94 MAINLINE ARE OFF THE IH 94 REFERENCE LINE.

PLACE JOINTS AT 15' SPACING TYPICAL, ADDITIONAL DOWEL BARS AND CONTRACTION JOINTS DOWEL ASSEMBLIES REQUIRED TO MATCH MANHOLES. INLETS AND SIDEROADS SHALL BE INCIDENTAL TO THE CONCRETE PAVEMENT ITEM.

EXISTING ELEVATIONS SHALL BE VERIFIED IN THE FIELD.

◎ PROPOSED MANHOLE

▬ PROPOSED INLET

N

0 20 40

SCALE IN FEET

CONCRETE CURB & GUTTER, 4-INCH SLOPED, 60-INCH, TYPE A, SPECIAL

CONCRETE CURB & GUTTER, 4-INCH SLOPED, 36-INCH, TYPE A

CONCRETE CURB & GUTTER, 4-INCH SLOPED, 36-INCH, TYPE A

CONCRETE CURB & GUTTER 30-INCH, TYPE A

CONCRETE PAVEMENT 9-INCH, SPECIAL (DOWELED)

MGS GUARDRAIL 3 WITH TERMINAL EAT AND THRIE BEAM TRANSITION

CONCRETE PAVEMENT 12-INCH, SPECIAL (DOWELED)

STA 268'A'+52.31 CHANGE PAVEMENT TYPE

R/L RAMP 'A'

HMA PAVEMENT TYPE E-0.3, 3-INCH

BASE AGGREGATE DENSE ¾-INCH, 3-INCH

STA 268'A'+55.14 21.00'RT, 3.00'R

RAMP 'A'

IH 94'WB'

R/L IH 94'WB'

CONCRETE PAVEMENT 12-INCH, SPECIAL (DOWELED)

IH 94'EB'

R/L IH 94'EB'

CONCRETE PAVEMENT 12-INCH, SPECIAL (DOWELED)

STA 268'D'+85.30 21.00'LT, 3.00'R

HMA PAVEMENT TYPE E-0.3, 3-INCH

BASE AGGREGATE DENSE ¾-INCH, 3-INCH

RAMP 'D'

CONCRETE PAVEMENT 12-INCH, SPECIAL (DOWELED)

R/L RAMP 'D'

MGS THRIE BEAM TRANSITION AND TERMINAL TYPE 2

HMA PAVEMENT TYPE E-0.3, 4-INCH

BASE AGGREGATE DENSE ¾-INCH, 3-INCH

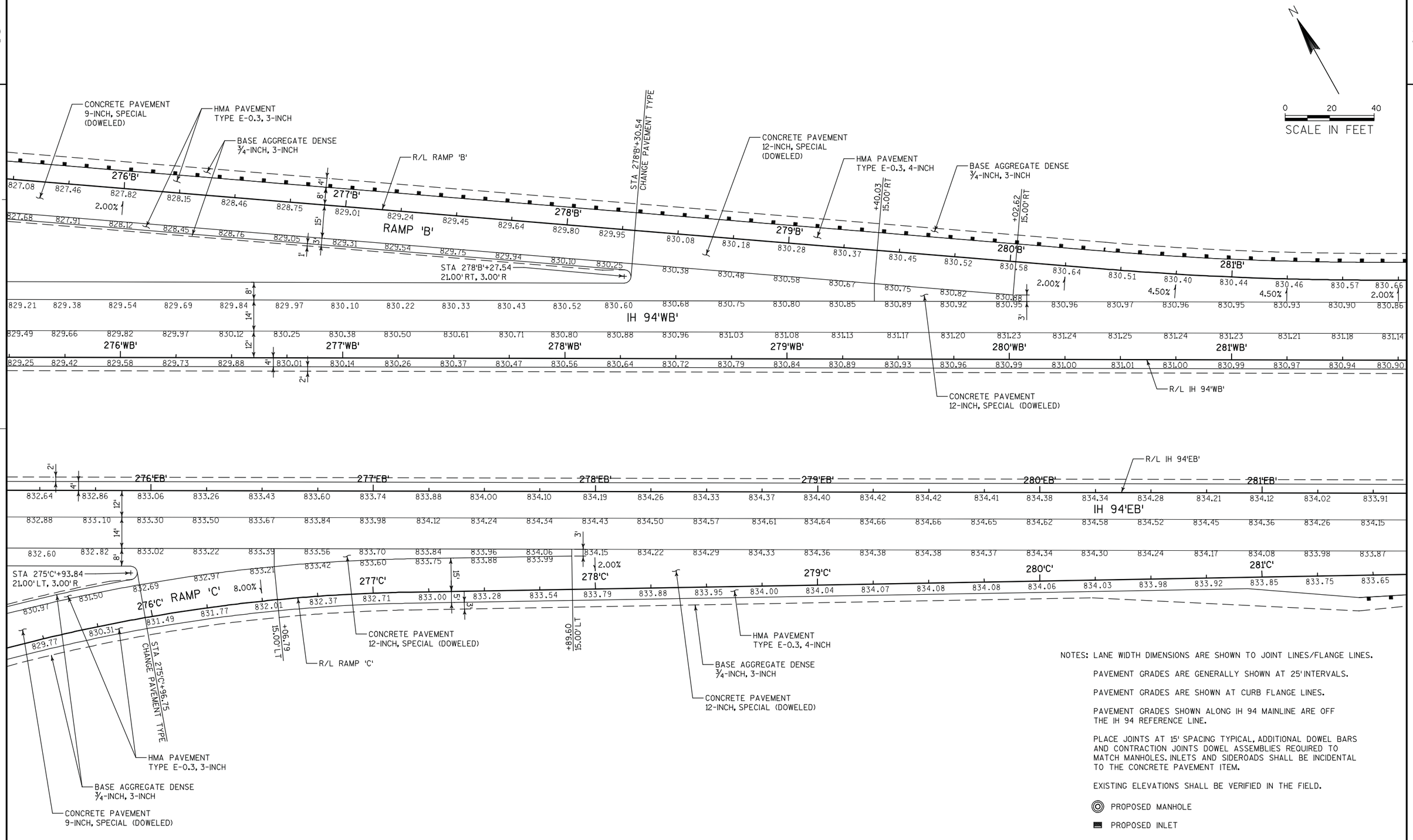
CONCRETE PAVEMENT 12-INCH, SPECIAL (DOWELED)

STA 268'D'+82.45 CHANGE PAVEMENT TYPE

CONCRETE PAVEMENT 9-INCH, SPECIAL (DOWELED)

CONCRETE CURB & GUTTER 30-INCH, TYPE A

PROJECT NO:1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	PAVING DETAILS	SHEET 41	E



NOTES: LANE WIDTH DIMENSIONS ARE SHOWN TO JOINT LINES/FLANGE LINES.

PAVEMENT GRADES ARE GENERALLY SHOWN AT 25'INTERVALS.

PAVEMENT GRADES ARE SHOWN AT CURB FLANGE LINES.

PAVEMENT GRADES SHOWN ALONG IH 94 MAINLINE ARE OFF THE IH 94 REFERENCE LINE.

PLACE JOINTS AT 15' SPACING TYPICAL, ADDITIONAL DOWEL BARS AND CONTRACTION JOINTS DOWEL ASSEMBLIES REQUIRED TO MATCH MANHOLES. INLETS AND SIDEROADS SHALL BE INCIDENTAL TO THE CONCRETE PAVEMENT ITEM.

EXISTING ELEVATIONS SHALL BE VERIFIED IN THE FIELD.

◎ PROPOSED MANHOLE

▬ PROPOSED INLET

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	PAVING DETAILS	SHEET 42	E

NOTES: LANE WIDTH DIMENSIONS ARE SHOWN TO JOINT LINES/FLANGE LINES.

PAVEMENT GRADES ARE GENERALLY SHOWN AT 25'INTERVALS.

PAVEMENT GRADES ARE SHOWN AT CURB FLANGE LINES.

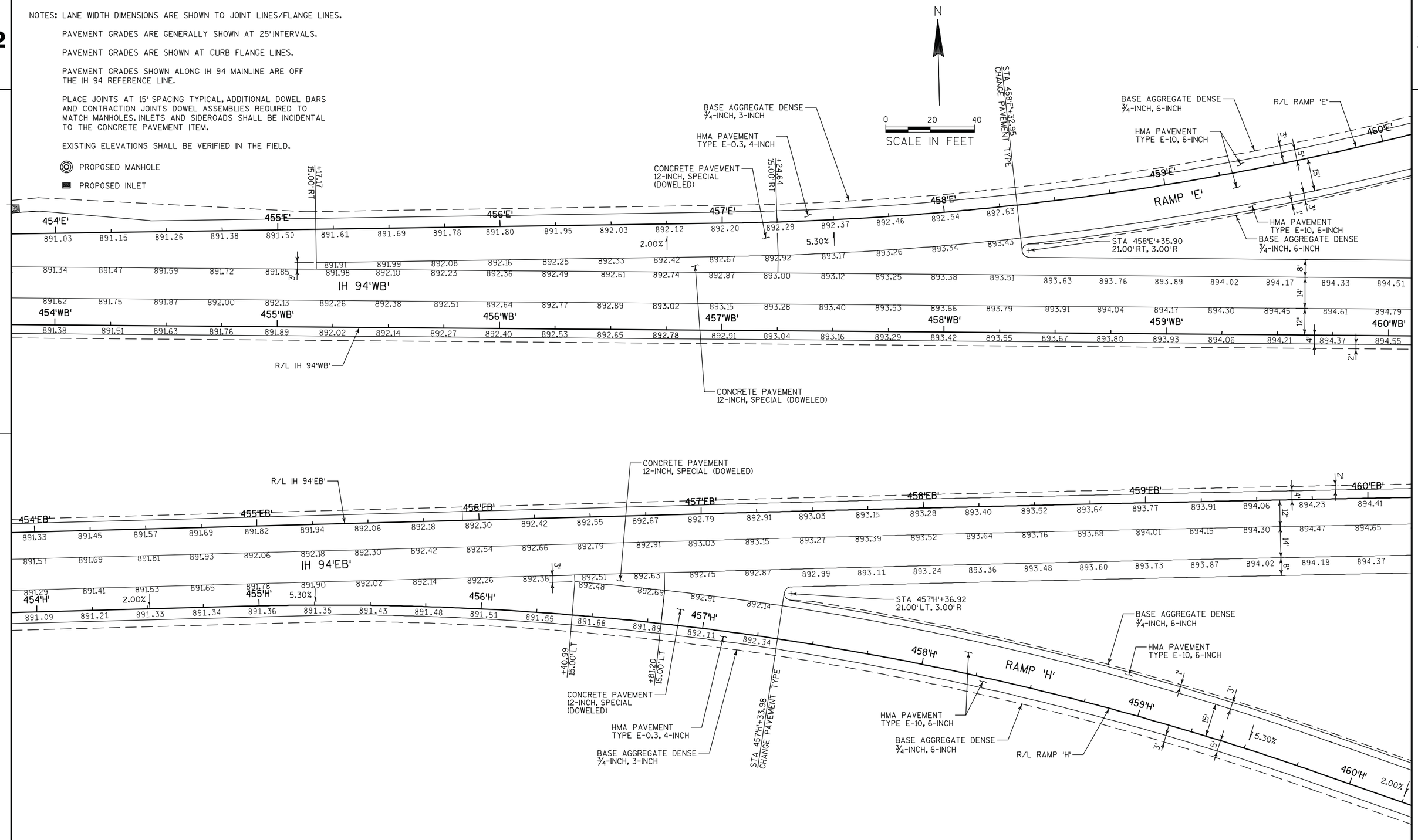
PAVEMENT GRADES SHOWN ALONG IH 94 MAINLINE ARE OFF THE IH 94 REFERENCE LINE.

PLACE JOINTS AT 15' SPACING TYPICAL, ADDITIONAL DOWEL BARS AND CONTRACTION JOINTS DOWEL ASSEMBLIES REQUIRED TO MATCH MANHOLES. INLETS AND SIDEROADS SHALL BE INCIDENTAL TO THE CONCRETE PAVEMENT ITEM.

EXISTING ELEVATIONS SHALL BE VERIFIED IN THE FIELD.

PROPOSED MANHOLE

PROPOSED INLET



PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	PAVING DETAILS	SHEET 43	E

NOTES: LANE WIDTH DIMENSIONS ARE SHOWN TO JOINT LINES/FLANGE LINES.

PAVEMENT GRADES ARE GENERALLY SHOWN AT 25' INTERVALS.

PAVEMENT GRADES ARE SHOWN AT CURB FLANGE LINES.

PAVEMENT GRADES SHOWN ALONG IH 94 MAINLINE ARE OFF THE IH 94 REFERENCE LINE.

PLACE JOINTS AT 15' SPACING TYPICAL, ADDITIONAL DOWEL BARS AND CONTRACTION JOINTS DOWEL ASSEMBLIES REQUIRED TO MATCH MANHOLES. INLETS AND SIDEROADS SHALL BE INCIDENTAL TO THE CONCRETE PAVEMENT ITEM.

EXISTING ELEVATIONS SHALL BE VERIFIED IN THE FIELD.

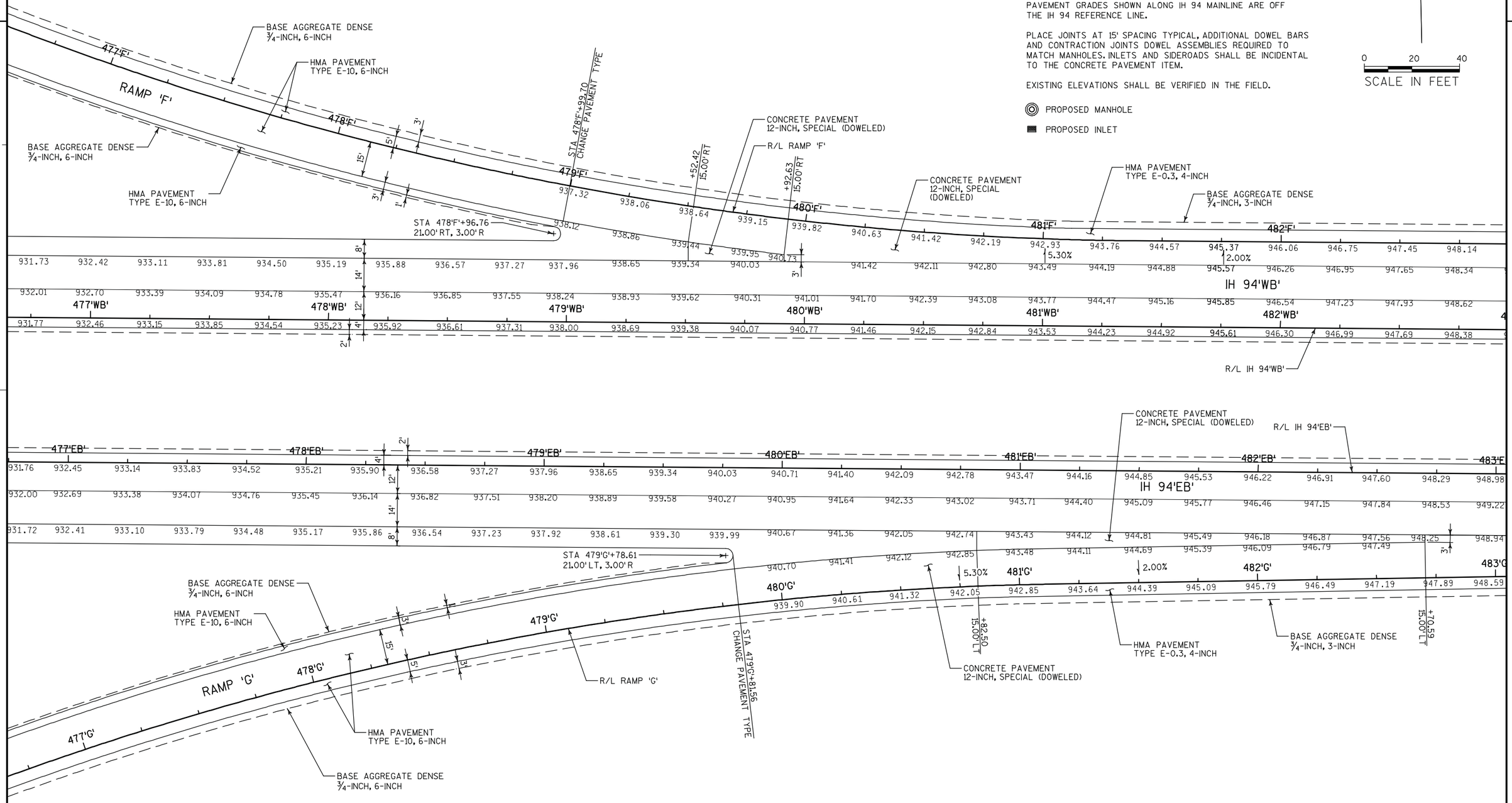
PROPOSED MANHOLE

PROPOSED INLET

N

0 20 40

SCALE IN FEET



PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	PAVING DETAILS	SHEET 44	E

NOTES: RADIUS DIMENSIONS ARE SHOWN TO FACE OF CURB.

LANE WIDTH DIMENSIONS ARE SHOWN TO JOINT LINES/FLANGE LINES.

PAVEMENT GRADES ARE GENERALLY SHOWN AT 25'INTERVALS.

PAVEMENT GRADES ARE SHOWN AT CURB FLANGE LINES.

PAVEMENT GRADES SHOWN ALONG IH 94 MAINLINE ARE OFF THE IH 94 REFERENCE LINE.

PLACE JOINTS AT 15' SPACING TYPICAL, ADDITIONAL DOWEL BARS AND CONTRACTION JOINTS DOWEL ASSEMBLIES REQUIRED TO MATCH MANHOLES. INLETS AND SIDEROADS SHALL BE INCIDENTAL TO THE CONCRETE PAVEMENT ITEM.

EXISTING ELEVATIONS SHALL BE VERIFIED IN THE FIELD.

PROPOSED MANHOLE

PROPOSED INLET

N

0 20 40

SCALE IN FEET

BEGIN CONSTRUCTION
STH 37 SB
STA 8'SB'+08.63
MATCH EXISTING
SAW CUT REQUIRED

MGS GUARDRAIL 3 WITH TERMINAL EAT AND THRIE BEAM TRANSITION

HMA PAVEMENT TYPE E-0.3, 4-INCH

R/L STH 37 SB

BASE AGGREGATE DENSE 3/4-INCH, 3-INCH

BASE AGGREGATE DENSE 3/4-INCH, 3-INCH

STH 37

BEGIN CONSTRUCTION
STH 37 NB
STA 8'NB'+04.15
MATCH EXISTING
SAW CUT REQUIRED

MGS GUARDRAIL 3 WITH TERMINAL EAT AND THRIE BEAM TRANSITION

CONCRETE PAVEMENT 10-INCH, SPECIAL (DOWELED)

HMA PAVEMENT TYPE E-0.3, 4-INCH

R/L STH 37 NB

BASE AGGREGATE DENSE 3/4-INCH, 3-INCH

MGS GUARDRAIL 3 WITH TERMINAL EAT

MATCH LINE STA 13'NB+50

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	PAVING DETAILS	SHEET 45	E

NOTES: RADIUS DIMENSIONS ARE SHOWN TO FACE OF CURB.

LANE WIDTH DIMENSIONS ARE SHOWN TO JOINT LINES/FLANGE LINES.

PAVEMENT GRADES ARE GENERALLY SHOWN AT 25'INTERVALS.

PAVEMENT GRADES ARE SHOWN AT CURB FLANGE LINES.

PAVEMENT GRADES SHOWN ALONG IH 94 MAINLINE ARE OFF THE IH 94 REFERENCE LINE.

PLACE JOINTS AT 15' SPACING TYPICAL, ADDITIONAL DOWEL BARS AND CONTRACTION JOINTS DOWEL ASSEMBLIES REQUIRED TO MATCH MANHOLES. INLETS AND SIDEROADS SHALL BE INCIDENTAL TO THE CONCRETE PAVEMENT ITEM.

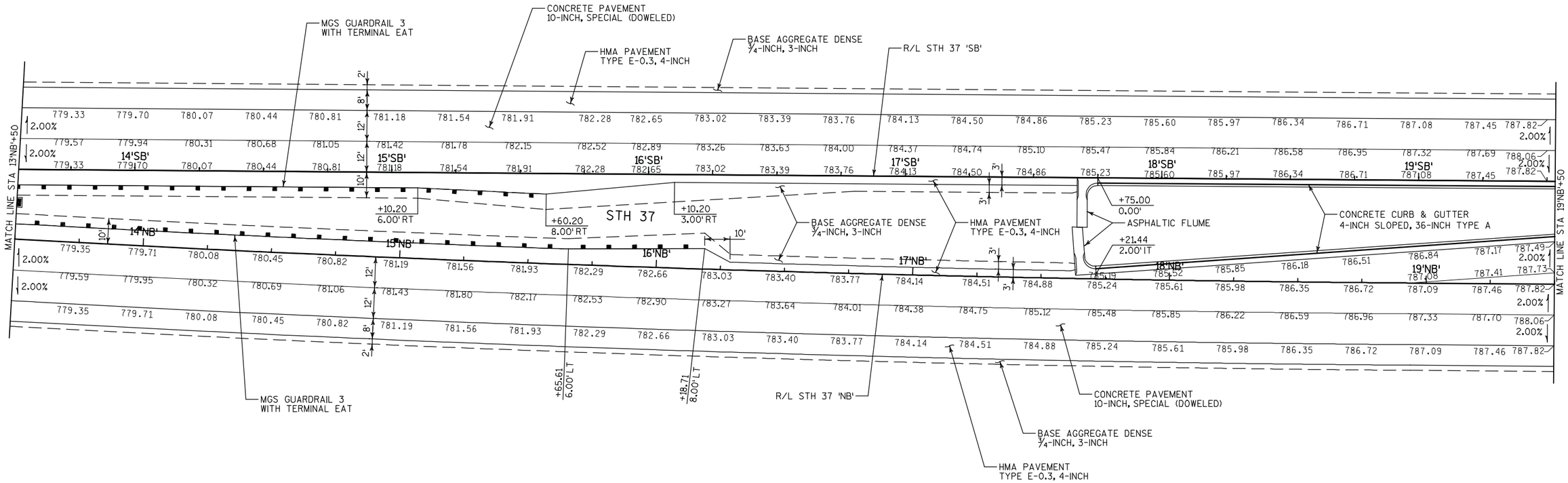
EXISTING ELEVATIONS SHALL BE VERIFIED IN THE FIELD.

◎ PROPOSED MANHOLE

▬ PROPOSED INLET

N

0 20 40
SCALE IN FEET



PROJECT NO:1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	PAVING DETAILS	SHEET 46	E

NOTES: RADIUS DIMENSIONS ARE SHOWN TO FACE OF CURB.

LANE WIDTH DIMENSIONS ARE SHOWN TO JOINT LINES/FLANGE LINES.

PAVEMENT GRADES ARE GENERALLY SHOWN AT 25'INTERVALS.

PAVEMENT GRADES ARE SHOWN AT CURB FLANGE LINES.

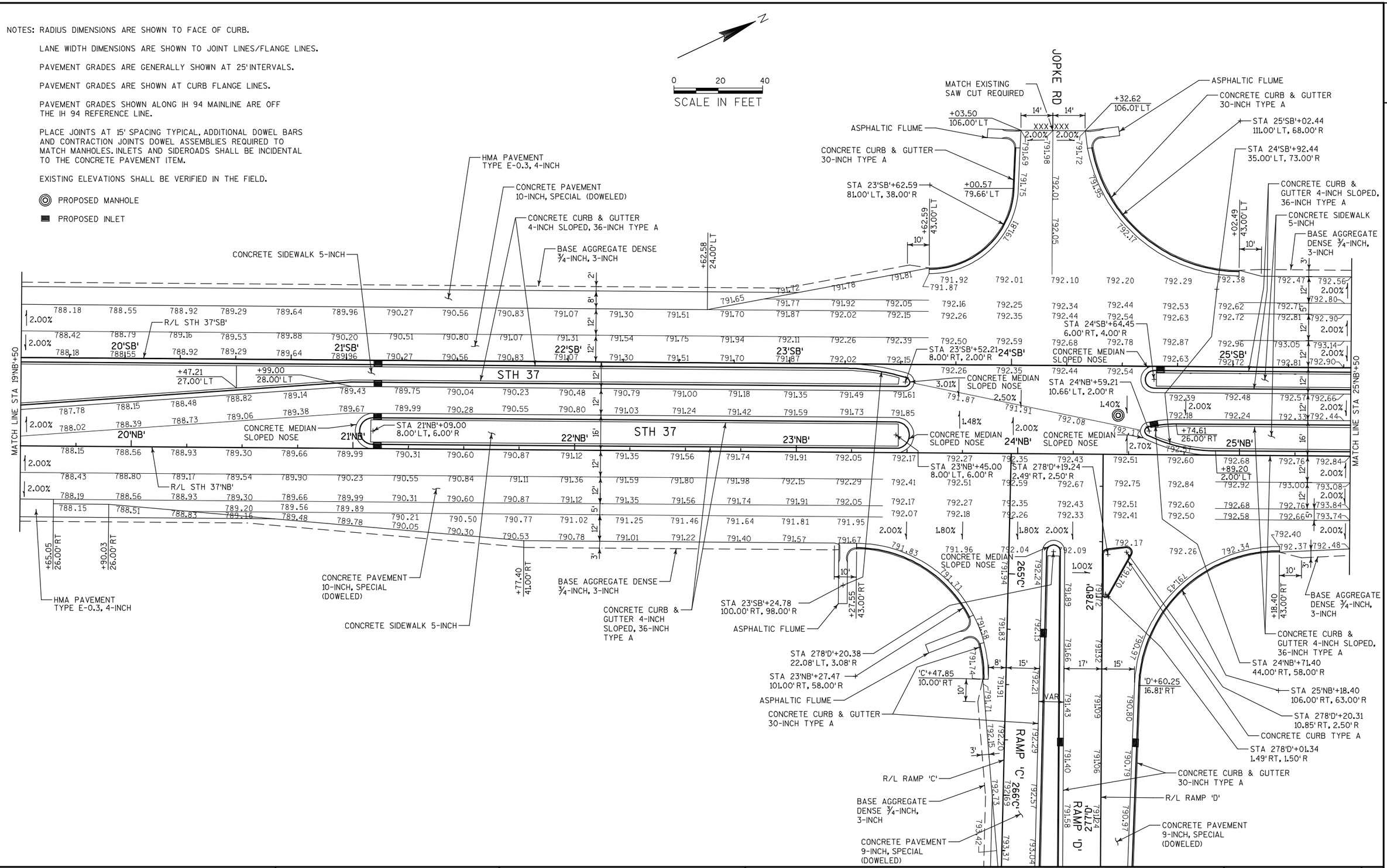
PAVEMENT GRADES SHOWN ALONG IH 94 MAINLINE ARE OFF THE IH 94 REFERENCE LINE.

PLACE JOINTS AT 15' SPACING TYPICAL, ADDITIONAL DOWEL BARS AND CONTRACTION JOINTS DOWEL ASSEMBLIES REQUIRED TO MATCH MANHOLES. INLETS AND SIDEROADS SHALL BE INCIDENTAL TO THE CONCRETE PAVEMENT ITEM.

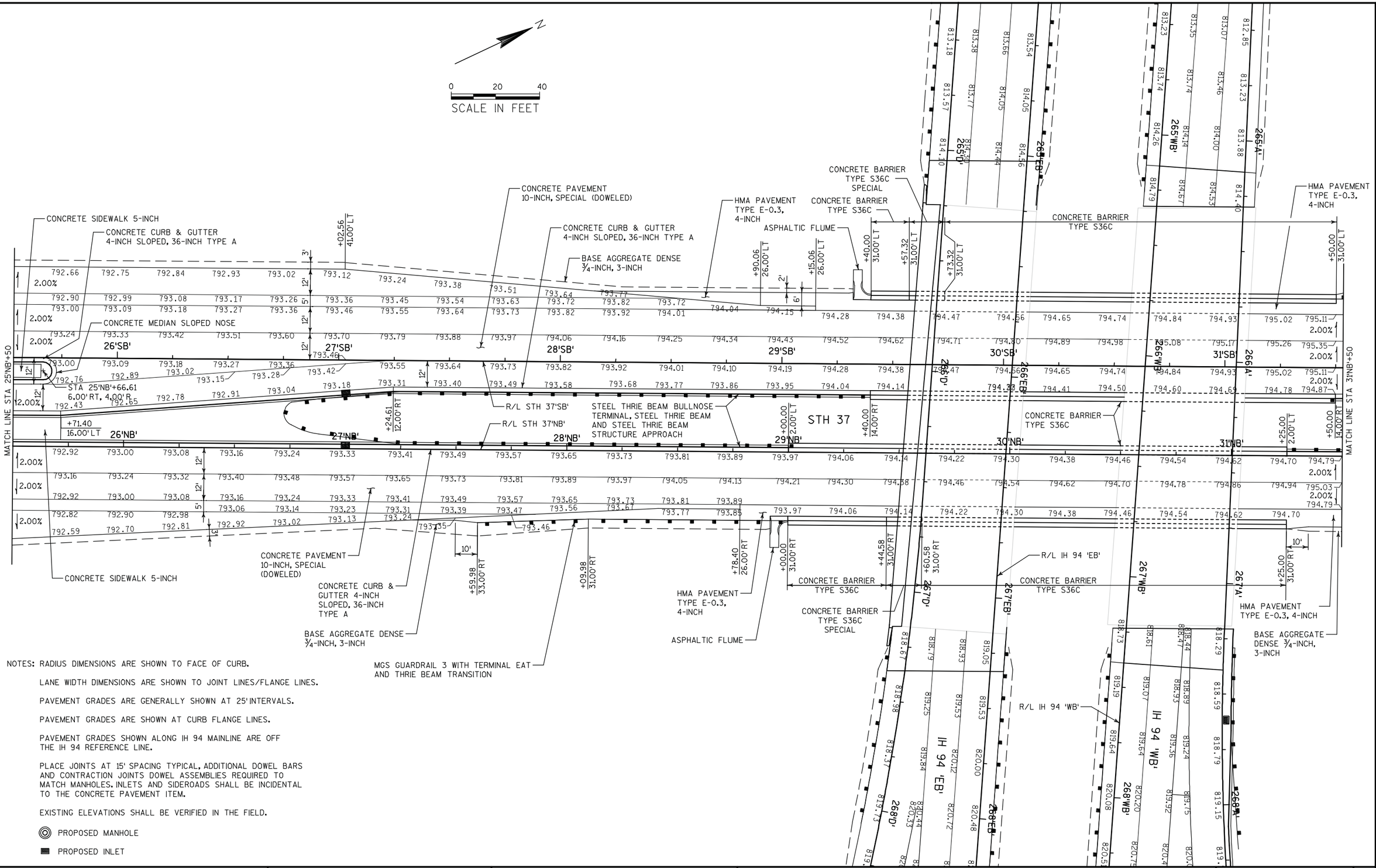
EXISTING ELEVATIONS SHALL BE VERIFIED IN THE FIELD.

◎ PROPOSED MANHOLE

■ PROPOSED INLET



PROJECT NO:1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	PAVING DETAILS	SHEET 47	E



NOTES: RADIUS DIMENSIONS ARE SHOWN TO FACE OF CURB.

LANE WIDTH DIMENSIONS ARE SHOWN TO JOINT LINES/FLANGE LINES.

PAVEMENT GRADES ARE GENERALLY SHOWN AT 25'INTERVALS.

PAVEMENT GRADES ARE SHOWN AT CURB FLANGE LINES.

PAVEMENT GRADES SHOWN ALONG IH 94 MAINLINE ARE OFF THE IH 94 REFERENCE LINE.

PLACE JOINTS AT 15' SPACING TYPICAL, ADDITIONAL DOWEL BARS AND CONTRACTION JOINTS DOWEL ASSEMBLIES REQUIRED TO MATCH MANHOLES. INLETS AND SIDEROADS SHALL BE INCIDENTAL TO THE CONCRETE PAVEMENT ITEM.

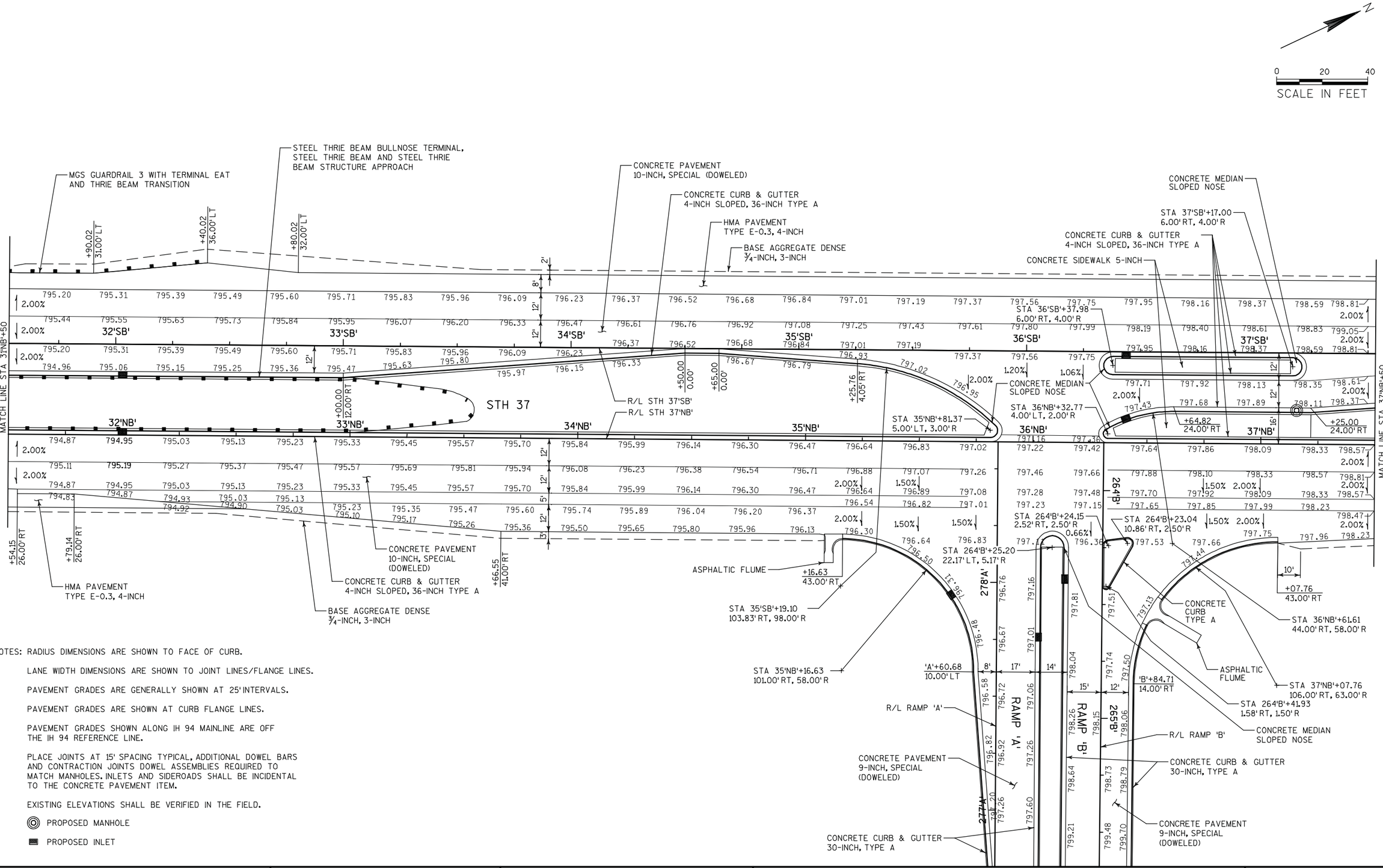
EXISTING ELEVATIONS SHALL BE VERIFIED IN THE FIELD.

◎ PROPOSED MANHOLE

■ PROPOSED INLET

PROJECT NO:1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	PAVING DETAILS	SHEET 48	E

2



NOTES: RADIUS DIMENSIONS ARE SHOWN TO FACE OF CURB.

LANE WIDTH DIMENSIONS ARE SHOWN TO JOINT LINES/FLANGE LINES.

PAVEMENT GRADES ARE GENERALLY SHOWN AT 25' INTERVALS.

PAVEMENT GRADES ARE SHOWN AT CURB FLANGE LINES.

PAVEMENT GRADES SHOWN ALONG IH 94 MAINLINE ARE OFF THE IH 94 REFERENCE LINE.

PLACE JOINTS AT 15' SPACING TYPICAL, ADDITIONAL DOWEL BARS AND CONTRACTION JOINTS DOWEL ASSEMBLIES REQUIRED TO MATCH MANHOLES. INLETS AND SIDEROADS SHALL BE INCIDENTAL TO THE CONCRETE PAVEMENT ITEM.

EXISTING ELEVATIONS SHALL BE VERIFIED IN THE FIELD.

◎ PROPOSED MANHOLE

▬ PROPOSED INLET

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	PAVING DETAILS	SHEET 49	E

NOTES: RADIUS DIMENSIONS ARE SHOWN TO FACE OF CURB.

LANE WIDTH DIMENSIONS ARE SHOWN TO JOINT LINES/FLANGE LINES.

PAVEMENT GRADES ARE GENERALLY SHOWN AT 25' INTERVALS.

PAVEMENT GRADES ARE SHOWN AT CURB FLANGE LINES.

PAVEMENT GRADES SHOWN ALONG IH 94 MAINLINE ARE OFF THE IH 94 REFERENCE LINE.

PLACE JOINTS AT 15' SPACING TYPICAL, ADDITIONAL DOWEL BARS AND CONTRACTION JOINTS DOWEL ASSEMBLIES REQUIRED TO MATCH MANHOLES. INLETS AND SIDEROADS SHALL BE INCIDENTAL TO THE CONCRETE PAVEMENT ITEM.

EXISTING ELEVATIONS SHALL BE VERIFIED IN THE FIELD.

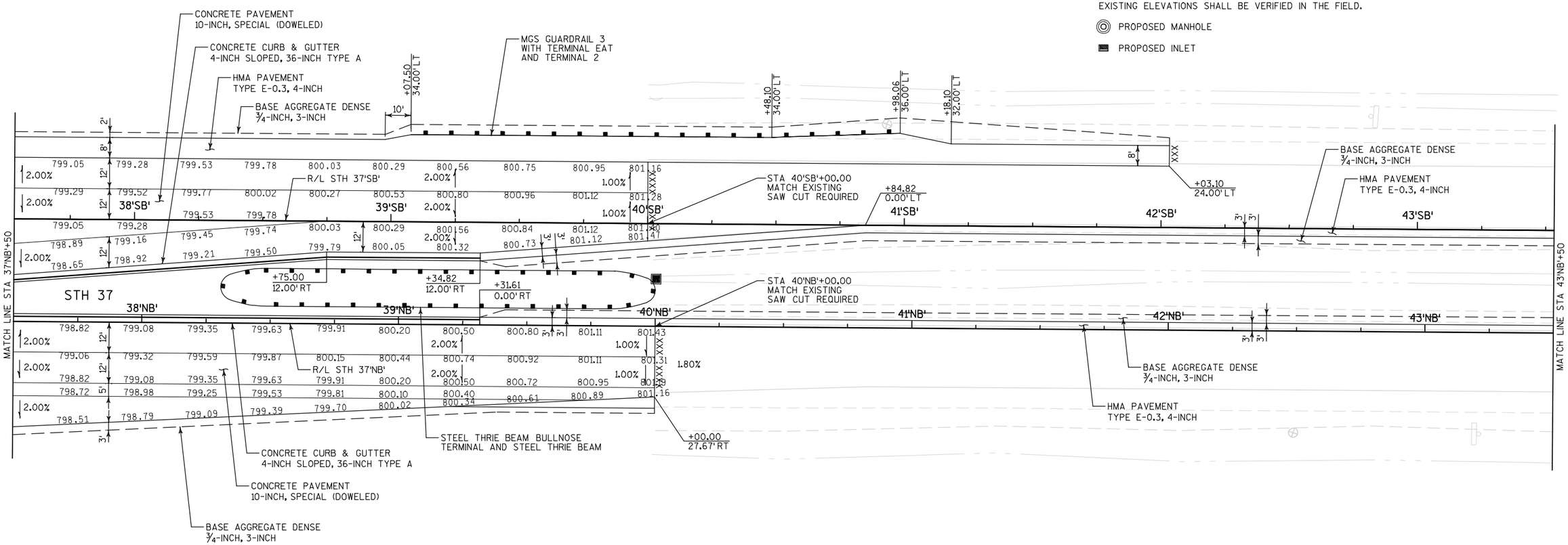
◎ PROPOSED MANHOLE

▬ PROPOSED INLET

N

0 20 40

SCALE IN FEET



PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	PAVING DETAILS	SHEET 50	E

NOTES: RADIUS DIMENSIONS ARE SHOWN TO FACE OF CURB.

LANE WIDTH DIMENSIONS ARE SHOWN TO JOINT LINES/FLANGE LINES.

PAVEMENT GRADES ARE GENERALLY SHOWN AT 25'INTERVALS.

PAVEMENT GRADES ARE SHOWN AT CURB FLANGE LINES.

PAVEMENT GRADES SHOWN ALONG IH 94 MAINLINE ARE OFF THE IH 94 REFERENCE LINE.

PLACE JOINTS AT 15' SPACING TYPICAL, ADDITIONAL DOWEL BARS AND CONTRACTION JOINTS DOWEL ASSEMBLIES REQUIRED TO MATCH MANHOLES. INLETS AND SIDEROADS SHALL BE INCIDENTAL TO THE CONCRETE PAVEMENT ITEM.

EXISTING ELEVATIONS SHALL BE VERIFIED IN THE FIELD.

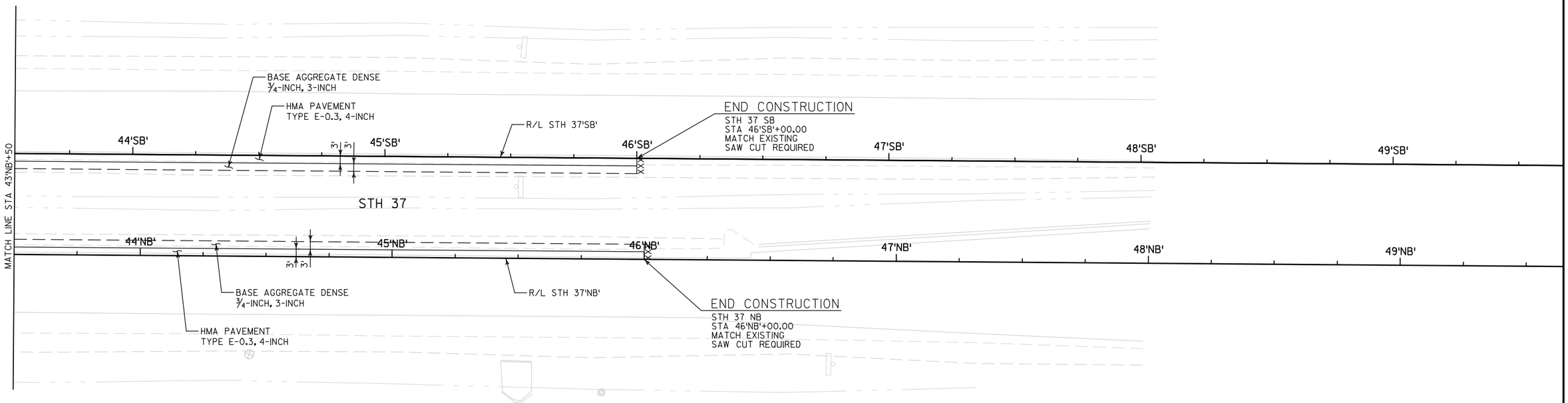
◎ PROPOSED MANHOLE

▬ PROPOSED INLET

N

0 20 40

SCALE IN FEET



PROJECT NO:1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	PAVING DETAILS	SHEET 51	E

GENERAL NOTES FOR EROSION CONTROL

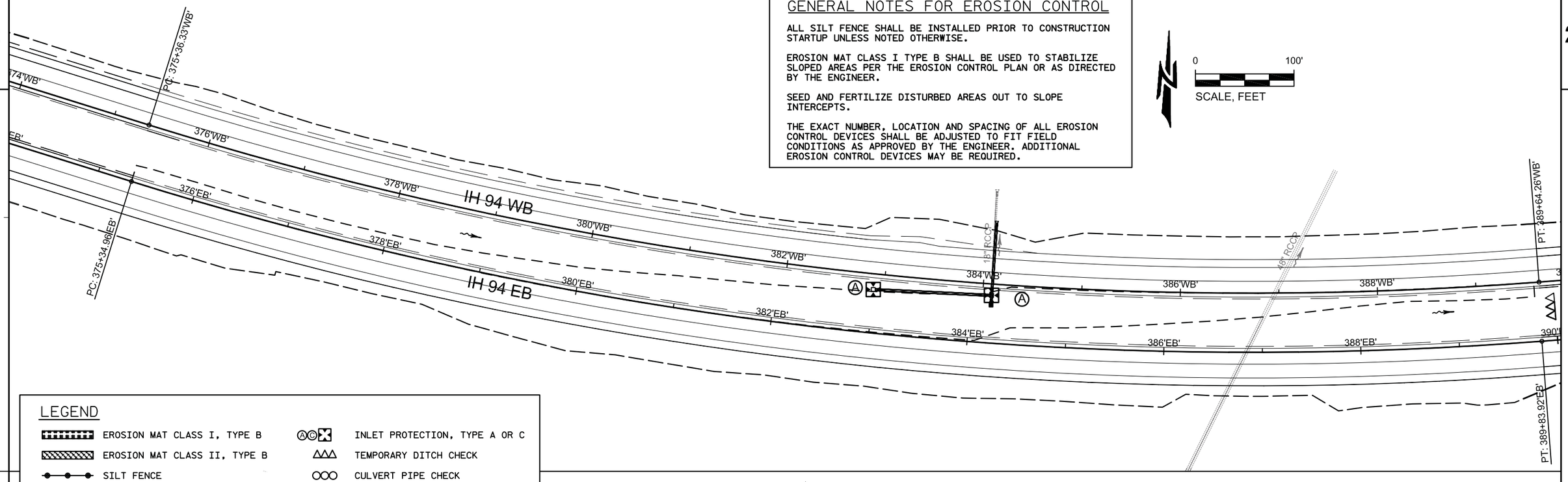
ALL SILT FENCE SHALL BE INSTALLED PRIOR TO CONSTRUCTION STARTUP UNLESS NOTED OTHERWISE.

EROSION MAT CLASS I TYPE B SHALL BE USED TO STABILIZE SLOPED AREAS PER THE EROSION CONTROL PLAN OR AS DIRECTED BY THE ENGINEER.

SEED AND FERTILIZE DISTURBED AREAS OUT TO SLOPE INTERCEPTS.

THE EXACT NUMBER, LOCATION AND SPACING OF ALL EROSION CONTROL DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER. ADDITIONAL EROSION CONTROL DEVICES MAY BE REQUIRED.

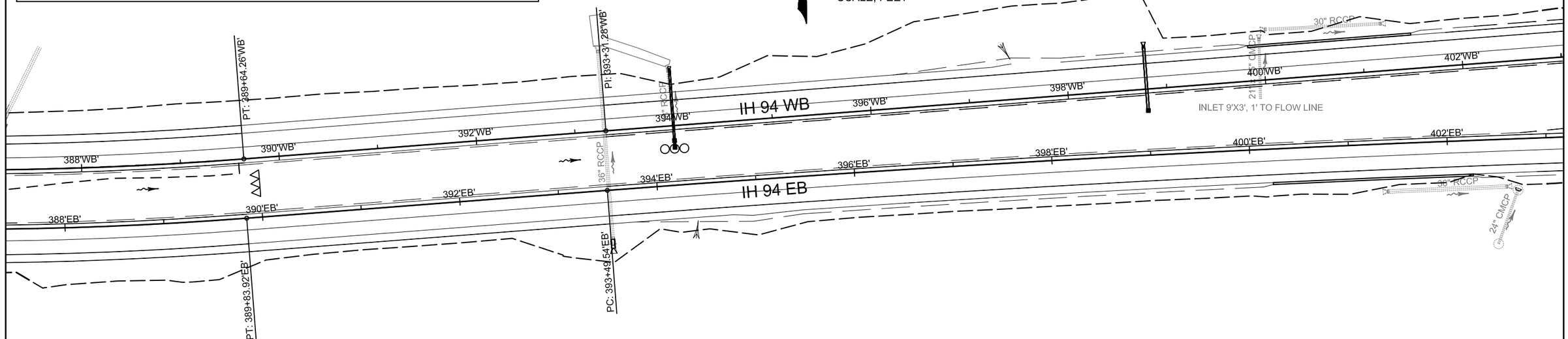
0 100'
SCALE, FEET



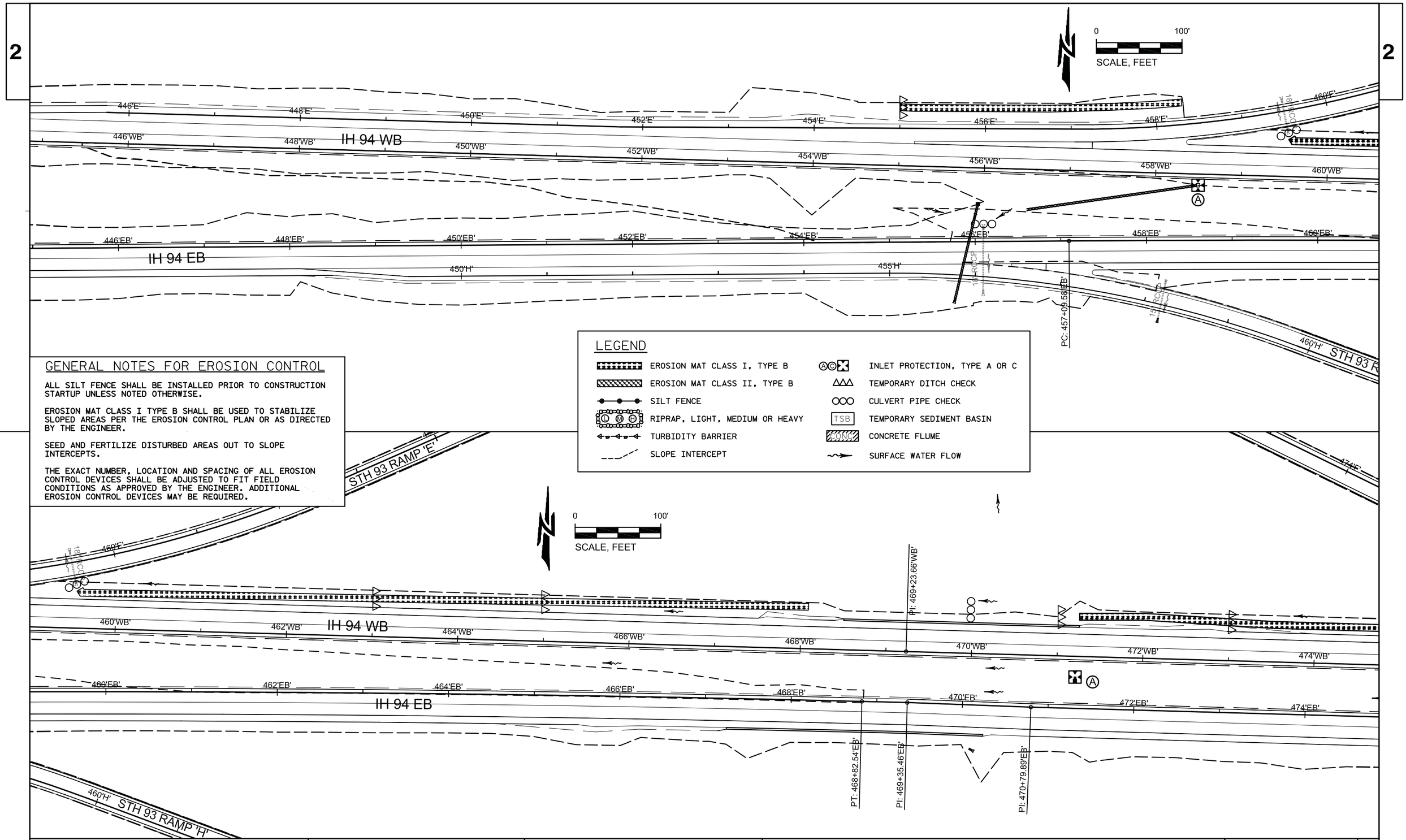
LEGEND

- EROSION MAT CLASS I, TYPE B
- EROSION MAT CLASS II, TYPE B
- SILT FENCE
- RIPRAP, LIGHT, MEDIUM OR HEAVY
- TURBIDITY BARRIER
- SLOPE INTERCEPT
- INLET PROTECTION, TYPE A OR C
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- TSB — TEMPORARY SEDIMENT BASIN
- CONC — CONCRETE FLUME
- SURFACE WATER FLOW

0 100'
SCALE, FEET



PROJECT NO: 1022-08-73	HWY: IH-94	COUNTY: EAU CLAIRE	EROSION CONTROL - STAGE 1	SHEET 52	E



GENERAL NOTES FOR EROSION CONTROL

ALL SILT FENCE SHALL BE INSTALLED PRIOR TO CONSTRUCTION STARTUP UNLESS NOTED OTHERWISE.

EROSION MAT CLASS I TYPE B SHALL BE USED TO STABILIZE SLOPED AREAS PER THE EROSION CONTROL PLAN OR AS DIRECTED BY THE ENGINEER.

SEED AND FERTILIZE DISTURBED AREAS OUT TO SLOPE INTERCEPTS.

THE EXACT NUMBER, LOCATION AND SPACING OF ALL EROSION CONTROL DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER. ADDITIONAL EROSION CONTROL DEVICES MAY BE REQUIRED.

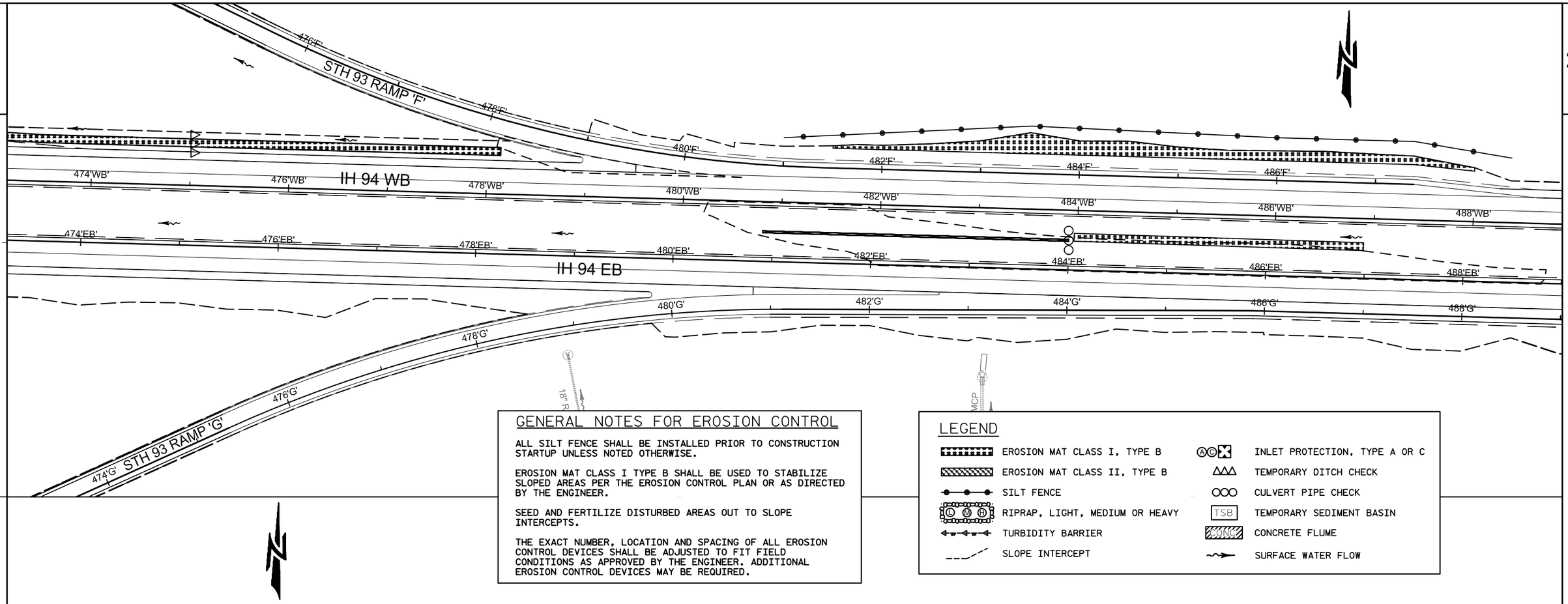
LEGEND

- EROSION MAT CLASS I, TYPE B
- EROSION MAT CLASS II, TYPE B
- SILT FENCE
- RIPRAP, LIGHT, MEDIUM OR HEAVY
- TURBIDITY BARRIER
- SLOPE INTERCEPT
- INLET PROTECTION, TYPE A OR C
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- TSB — TEMPORARY SEDIMENT BASIN
- CONC — CONCRETE FLUME
- SURFACE WATER FLOW

PROJECT NO: 1022-08-73	HWY: IH-94	COUNTY: EAU CLAIRE	EROSION CONTROL - STAGE 1	SHEET 53	E

2

2



GENERAL NOTES FOR EROSION CONTROL

ALL SILT FENCE SHALL BE INSTALLED PRIOR TO CONSTRUCTION STARTUP UNLESS NOTED OTHERWISE.

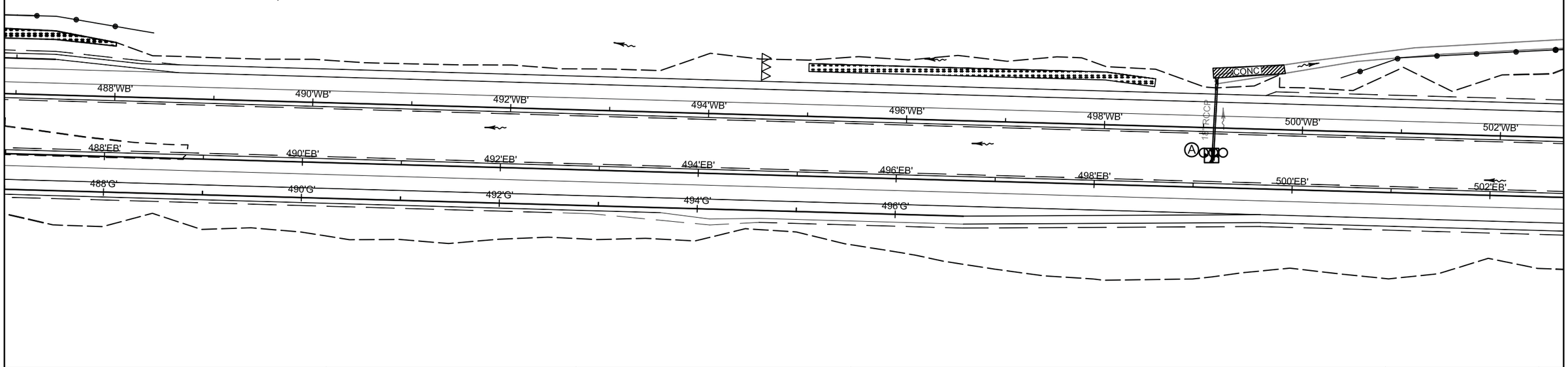
EROSION MAT CLASS I TYPE B SHALL BE USED TO STABILIZE SLOPED AREAS PER THE EROSION CONTROL PLAN OR AS DIRECTED BY THE ENGINEER.

SEED AND FERTILIZE DISTURBED AREAS OUT TO SLOPE INTERCEPTS.

THE EXACT NUMBER, LOCATION AND SPACING OF ALL EROSION CONTROL DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER. ADDITIONAL EROSION CONTROL DEVICES MAY BE REQUIRED.

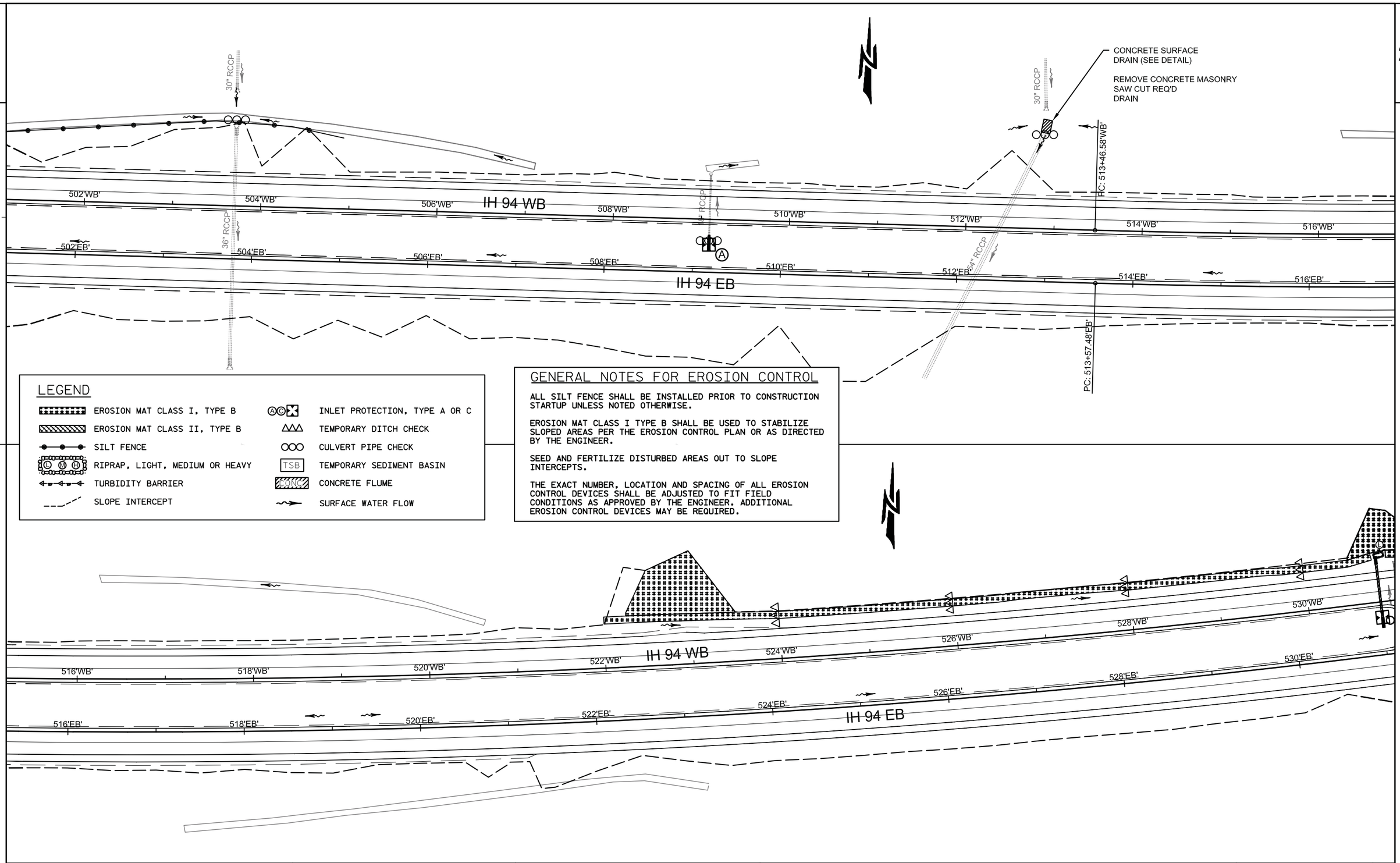
LEGEND

- EROSION MAT CLASS I, TYPE B
- EROSION MAT CLASS II, TYPE B
- SILT FENCE
- RIPRAP, LIGHT, MEDIUM OR HEAVY
- TURBIDITY BARRIER
- SLOPE INTERCEPT
- INLET PROTECTION, TYPE A OR C
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- TSB — TEMPORARY SEDIMENT BASIN
- CONC — CONCRETE FLUME
- SURFACE WATER FLOW



PROJECT NO: 1022-08-73	HWY: IH-94	COUNTY: EAU CLAIRE	EROSION CONTROL - STAGE 1	SHEET 54	E

FILE NAME : W:\NWBE_PROJECTS\DESIGN\1029_I94\C3D_12\1029_FINAL_EROSION_CONTROL_STAGE_1.DWG PLOT DATE : 9/3/2008 9:36 AM PLOT BY : GARY COLBERT PLOT NAME : ----------



LEGEND

- EROSION MAT CLASS I, TYPE B
- EROSION MAT CLASS II, TYPE B
- SILT FENCE
- RIPRAP, LIGHT, MEDIUM OR HEAVY
- TURBIDITY BARRIER
- SLOPE INTERCEPT
- INLET PROTECTION, TYPE A OR C
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- TEMPORARY SEDIMENT BASIN (TSB)
- CONCRETE FLUME (CONC)
- SURFACE WATER FLOW

GENERAL NOTES FOR EROSION CONTROL

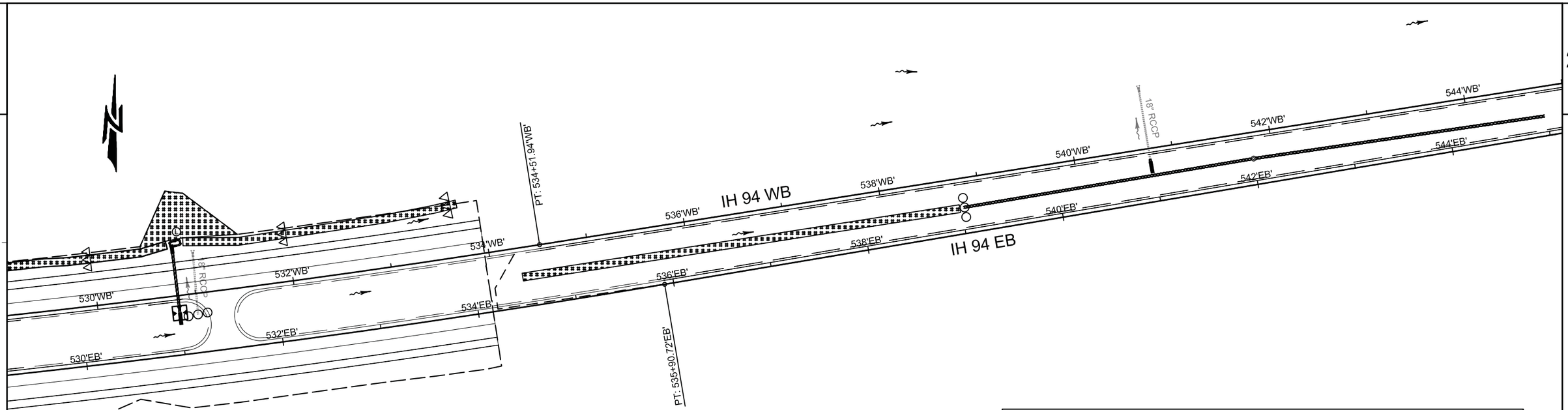
ALL SILT FENCE SHALL BE INSTALLED PRIOR TO CONSTRUCTION STARTUP UNLESS NOTED OTHERWISE.

EROSION MAT CLASS I TYPE B SHALL BE USED TO STABILIZE SLOPED AREAS PER THE EROSION CONTROL PLAN OR AS DIRECTED BY THE ENGINEER.

SEED AND FERTILIZE DISTURBED AREAS OUT TO SLOPE INTERCEPTS.

THE EXACT NUMBER, LOCATION AND SPACING OF ALL EROSION CONTROL DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER. ADDITIONAL EROSION CONTROL DEVICES MAY BE REQUIRED.

PROJECT NO: 1022-08-73	HWY: IH-94	COUNTY: EAU CLAIRE	EROSION CONTROL - STAGE 1	SHEET 55	E



GENERAL NOTES FOR EROSION CONTROL

ALL SILT FENCE SHALL BE INSTALLED PRIOR TO CONSTRUCTION STARTUP UNLESS NOTED OTHERWISE.

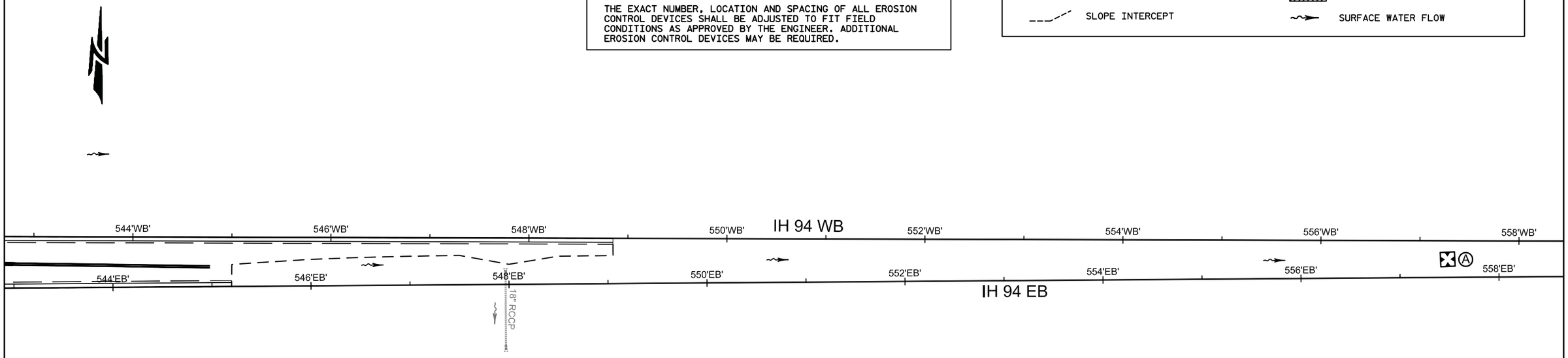
EROSION MAT CLASS I TYPE B SHALL BE USED TO STABILIZE SLOPED AREAS PER THE EROSION CONTROL PLAN OR AS DIRECTED BY THE ENGINEER.

SEED AND FERTILIZE DISTURBED AREAS OUT TO SLOPE INTERCEPTS.

THE EXACT NUMBER, LOCATION AND SPACING OF ALL EROSION CONTROL DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER. ADDITIONAL EROSION CONTROL DEVICES MAY BE REQUIRED.

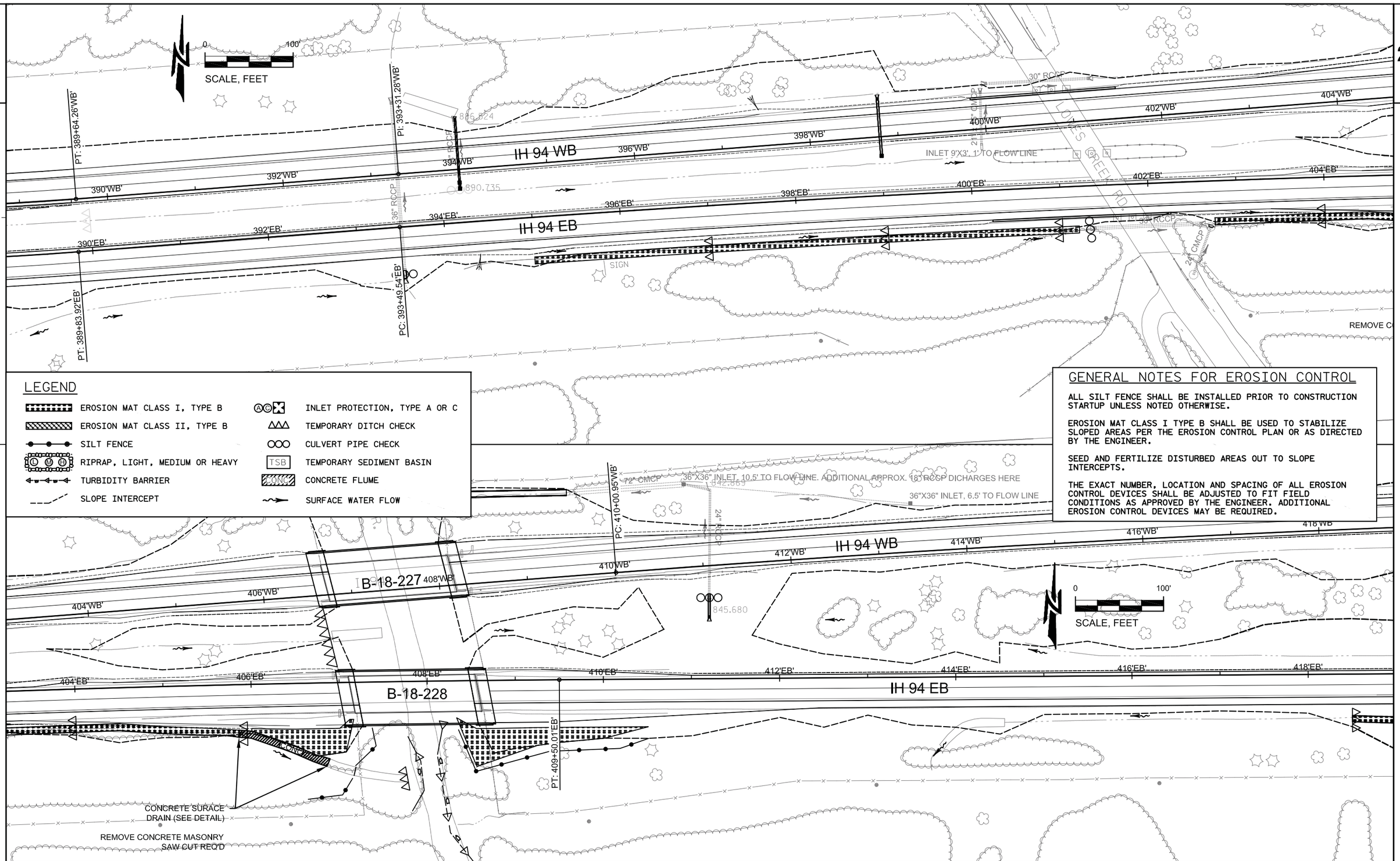
LEGEND

- EROSION MAT CLASS I, TYPE B
- EROSION MAT CLASS II, TYPE B
- SILT FENCE
- RIPRAP, LIGHT, MEDIUM OR HEAVY
- TURBIDITY BARRIER
- SLOPE INTERCEPT
- INLET PROTECTION, TYPE A OR C
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- TSB — TEMPORARY SEDIMENT BASIN
- CONCRETE FLUME
- SURFACE WATER FLOW



PROJECT NO: 1022-08-73	HWY: IH-94	COUNTY: EAU CLAIRE	EROSION CONTROL - STAGE 1	SHEET 56	E

2



LEGEND

- EROSION MAT CLASS I, TYPE B
- EROSION MAT CLASS II, TYPE B
- SILT FENCE
- RIPRAP, LIGHT, MEDIUM OR HEAVY (L M H)
- TURBIDITY BARRIER
- SLOPE INTERCEPT
- INLET PROTECTION, TYPE A OR C (A C)
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- TEMPORARY SEDIMENT BASIN (TSB)
- CONCRETE FLUME (CONC)
- SURFACE WATER FLOW

GENERAL NOTES FOR EROSION CONTROL

ALL SILT FENCE SHALL BE INSTALLED PRIOR TO CONSTRUCTION STARTUP UNLESS NOTED OTHERWISE.

EROSION MAT CLASS I TYPE B SHALL BE USED TO STABILIZE SLOPED AREAS PER THE EROSION CONTROL PLAN OR AS DIRECTED BY THE ENGINEER.

SEED AND FERTILIZE DISTURBED AREAS OUT TO SLOPE INTERCEPTS.

THE EXACT NUMBER, LOCATION AND SPACING OF ALL EROSION CONTROL DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER. ADDITIONAL EROSION CONTROL DEVICES MAY BE REQUIRED.

PROJECT NO: 1022-08-73	HWY: IH-94	COUNTY: EAU CLAIRE	EROSION CONTROL - STAGE 2	SHEET 57	E

2

2

SIGN

418'WB' 420'WB' 422'WB' 424'WB' 426'WB' 428'WB' 430'WB' 432'WB'

IH 94 WB

I 94

15" RCP

0 100'

SCALE, FEET

418'EB' 420'EB' 422'EB' 424'EB' 426'EB' 428'EB' 430'EB' 432'EB'

IH 94 EB

SIGN

LEGEND

- EROSION MAT CLASS I, TYPE B
- EROSION MAT CLASS II, TYPE B
- SILT FENCE
- RIPRAP, LIGHT, MEDIUM OR HEAVY
- TURBIDITY BARRIER
- SLOPE INTERCEPT
- INLET PROTECTION, TYPE A OR C
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- TEMPORARY SEDIMENT BASIN
- CONCRETE FLUME
- SURFACE WATER FLOW

GENERAL NOTES FOR EROSION CONTROL

ALL SILT FENCE SHALL BE INSTALLED PRIOR TO CONSTRUCTION STARTUP UNLESS NOTED OTHERWISE.

EROSION MAT CLASS I TYPE B SHALL BE USED TO STABILIZE SLOPED AREAS PER THE EROSION CONTROL PLAN OR AS DIRECTED BY THE ENGINEER.

SEED AND FERTILIZE DISTURBED AREAS OUT TO SLOPE INTERCEPTS.

THE EXACT NUMBER, LOCATION AND SPACING OF ALL EROSION CONTROL DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER. ADDITIONAL EROSION CONTROL DEVICES MAY BE REQUIRED.

A/C

PT: 434+15.14'WB'

0 100'

SCALE, FEET

432'WB' 434'WB' 436'WB' 438'WB' 440'WB' 442'WB' 444'WB' 446'E' 446'WB'

IH 94 WB

877.000

432'EB' 434'EB' 436'EB' 438'EB' 440'EB' 442'EB' 444'EB' 446'EB'

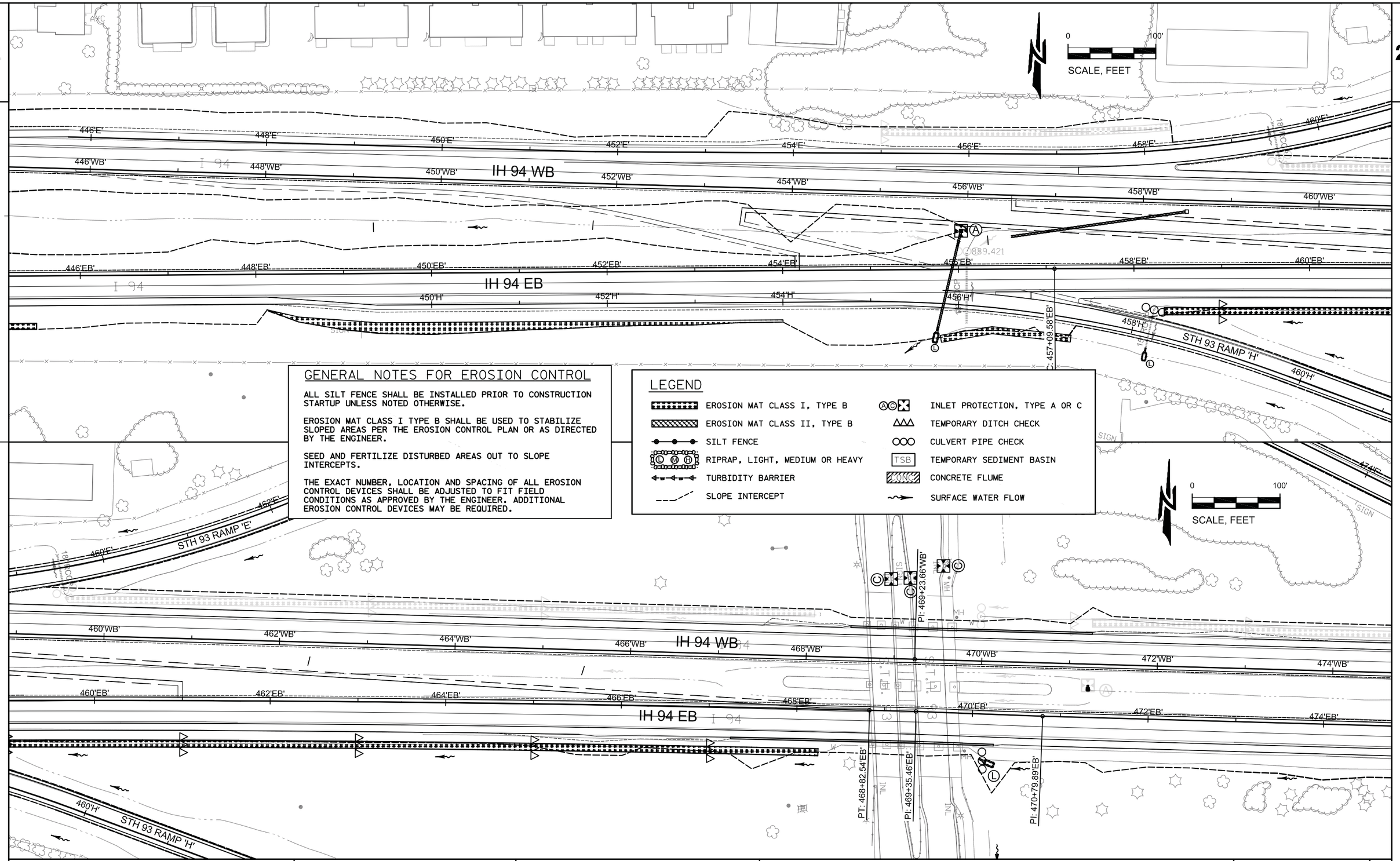
IH 94 EB

I 94

36" RCP

SIGN

PROJECT NO: 1022-08-73	HWY: IH-94	COUNTY: EAU CLAIRE	EROSION CONTROL - STAGE 2	SHEET 58



GENERAL NOTES FOR EROSION CONTROL

ALL SILT FENCE SHALL BE INSTALLED PRIOR TO CONSTRUCTION STARTUP UNLESS NOTED OTHERWISE.

EROSION MAT CLASS I TYPE B SHALL BE USED TO STABILIZE SLOPED AREAS PER THE EROSION CONTROL PLAN OR AS DIRECTED BY THE ENGINEER.

SEED AND FERTILIZE DISTURBED AREAS OUT TO SLOPE INTERCEPTS.

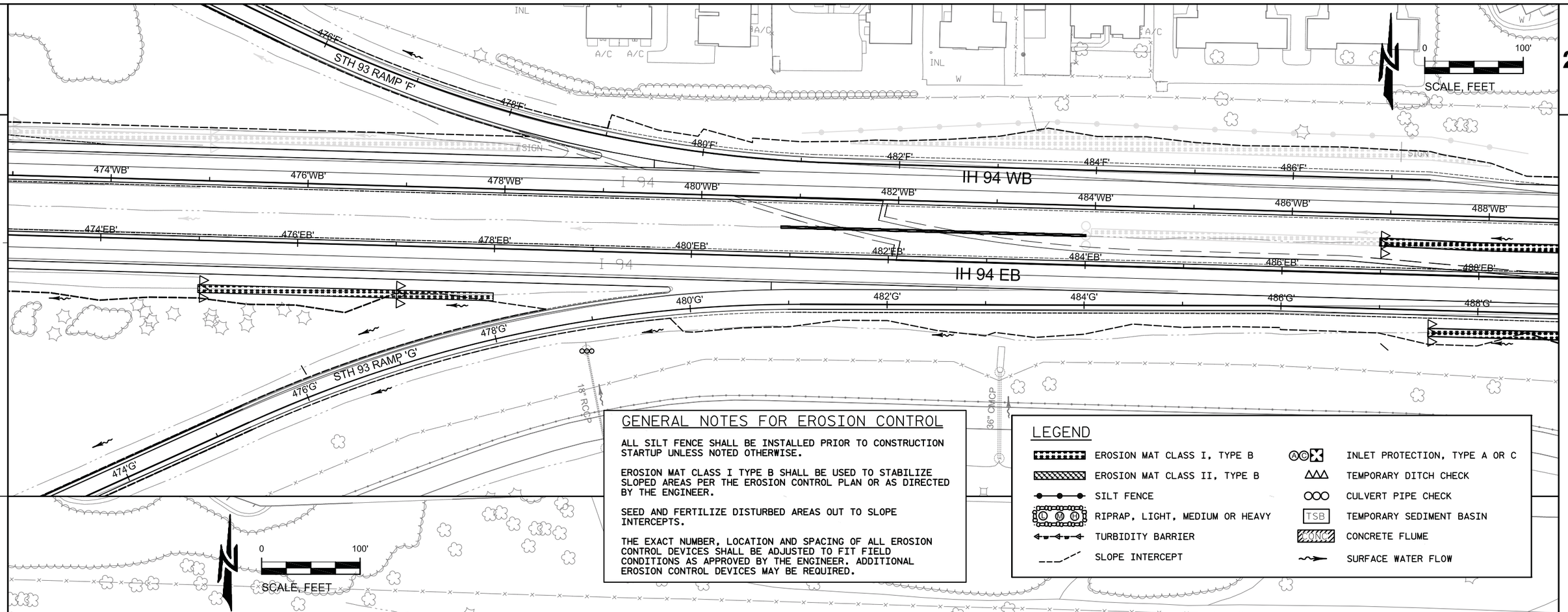
THE EXACT NUMBER, LOCATION AND SPACING OF ALL EROSION CONTROL DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER. ADDITIONAL EROSION CONTROL DEVICES MAY BE REQUIRED.

LEGEND

- EROSION MAT CLASS I, TYPE B
- EROSION MAT CLASS II, TYPE B
- SILT FENCE
- RIPRAP, LIGHT, MEDIUM OR HEAVY
- TURBIDITY BARRIER
- SLOPE INTERCEPT
- INLET PROTECTION, TYPE A OR C
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- TSB — TEMPORARY SEDIMENT BASIN
- CONCRETE FLUME
- SURFACE WATER FLOW

PROJECT NO: 1022-08-73	HWY: IH-94	COUNTY: EAU CLAIRE	EROSION CONTROL - STAGE 2	SHEET E

FILE NAME : W:\NWBE_PROJECTS\DESIGN\1029_I94\C3D_12\1029_FINAL_EROSION_CONTROL_STAGE_2.DWG PLOT DATE : 9/3/2008 9:36 AM PLOT BY : GARY COLBERT PLOT NAME : ----------



GENERAL NOTES FOR EROSION CONTROL

ALL SILT FENCE SHALL BE INSTALLED PRIOR TO CONSTRUCTION STARTUP UNLESS NOTED OTHERWISE.

EROSION MAT CLASS I TYPE B SHALL BE USED TO STABILIZE SLOPED AREAS PER THE EROSION CONTROL PLAN OR AS DIRECTED BY THE ENGINEER.

SEED AND FERTILIZE DISTURBED AREAS OUT TO SLOPE INTERCEPTS.

THE EXACT NUMBER, LOCATION AND SPACING OF ALL EROSION CONTROL DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER. ADDITIONAL EROSION CONTROL DEVICES MAY BE REQUIRED.

LEGEND

- EROSION MAT CLASS I, TYPE B
- EROSION MAT CLASS II, TYPE B
- SILT FENCE
- RIPRAP, LIGHT, MEDIUM OR HEAVY
- TURBIDITY BARRIER
- SLOPE INTERCEPT
- INLET PROTECTION, TYPE A OR C
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- TSB — TEMPORARY SEDIMENT BASIN
- CONC — CONCRETE FLUME
- SURFACE WATER FLOW

PROJECT NO: 1022-08-73	HWY: IH-94	COUNTY: EAU CLAIRE	EROSION CONTROL - STAGE 2	SHEET E

FILE NAME : W:\NWBE_PROJECTS\DESIGN\1029_I94\C3D_12\1029_FINAL_EROSION_CONTROL_STAGE_2.DWG PLOT DATE : 9/3/2008 9:36 AM PLOT BY : GARY COLBERT PLOT NAME : ----------

2

GENERAL NOTES FOR EROSION CONTROL

ALL SILT FENCE SHALL BE INSTALLED PRIOR TO CONSTRUCTION STARTUP UNLESS NOTED OTHERWISE.

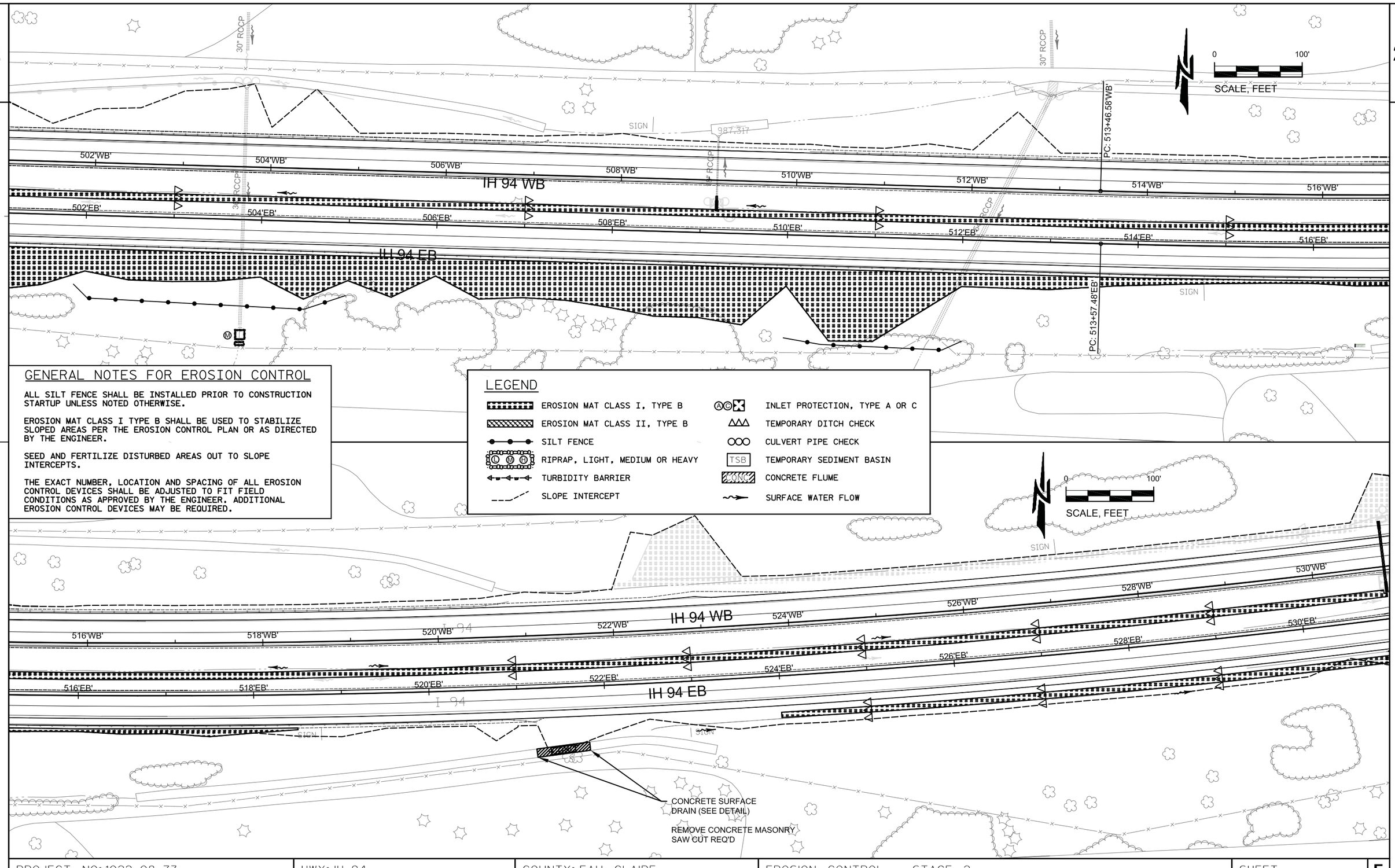
EROSION MAT CLASS I TYPE B SHALL BE USED TO STABILIZE SLOPED AREAS PER THE EROSION CONTROL PLAN OR AS DIRECTED BY THE ENGINEER.

SEED AND FERTILIZE DISTURBED AREAS OUT TO SLOPE INTERCEPTS.

THE EXACT NUMBER, LOCATION AND SPACING OF ALL EROSION CONTROL DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER. ADDITIONAL EROSION CONTROL DEVICES MAY BE REQUIRED.

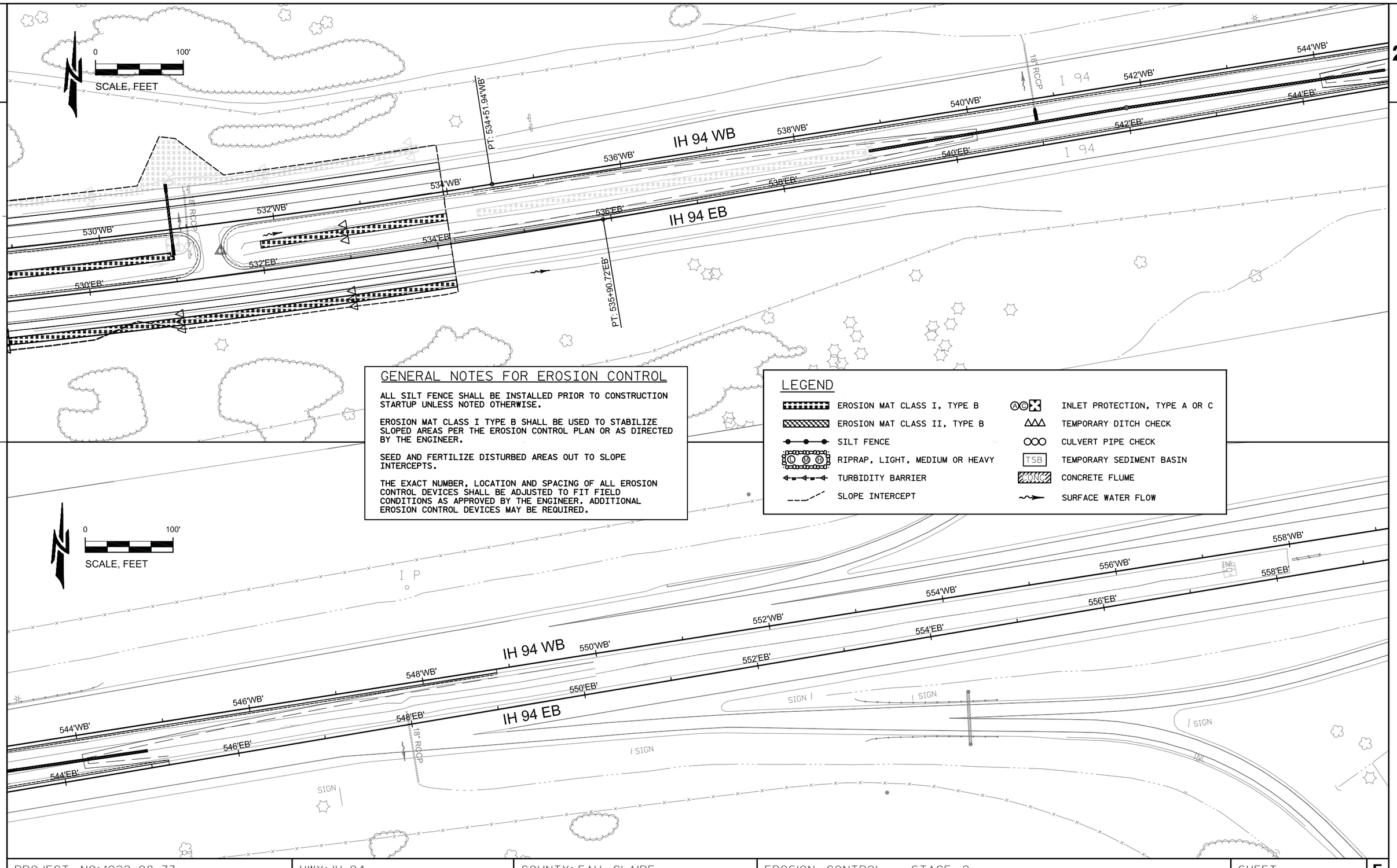
LEGEND

- EROSION MAT CLASS I, TYPE B
- EROSION MAT CLASS II, TYPE B
- SILT FENCE
- RIPRAP, LIGHT, MEDIUM OR HEAVY
- TURBIDITY BARRIER
- SLOPE INTERCEPT
- INLET PROTECTION, TYPE A OR C
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- TSB TEMPORARY SEDIMENT BASIN
- CONCRETE FLUME
- SURFACE WATER FLOW



PROJECT NO: 1022-08-73	HWY: IH-94	COUNTY: EAU CLAIRE	EROSION CONTROL - STAGE 2	SHEET E

FILE NAME : W:\NWBE_PROJECTS\DESIGN\1029_I94\C3D_12\1029_FINAL_EROSION_CONTROL_STAGE_2.DWG PLOT DATE : 9/3/2008 9:36 AM PLOT BY : GARY COLBERT PLOT NAME : ----------
WISDOT/CADDS SHEET 42



GENERAL NOTES FOR EROSION CONTROL

ALL SILT FENCE SHALL BE INSTALLED PRIOR TO CONSTRUCTION STARTUP UNLESS NOTED OTHERWISE.

EROSION MAT CLASS I TYPE B SHALL BE USED TO STABILIZE SLOPED AREAS PER THE EROSION CONTROL PLAN OR AS DIRECTED BY THE ENGINEER.

SEED AND FERTILIZE DISTURBED AREAS OUT TO SLOPE INTERCEPTS.

THE EXACT NUMBER, LOCATION AND SPACING OF ALL EROSION CONTROL DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER. ADDITIONAL EROSION CONTROL DEVICES MAY BE REQUIRED.

LEGEND

- EROSION MAT CLASS I, TYPE B
- EROSION MAT CLASS II, TYPE B
- SILT FENCE
- RIPRAP, LIGHT, MEDIUM OR HEAVY
- TURBIDITY BARRIER
- SLOPE INTERCEPT
- INLET PROTECTION, TYPE A OR C
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- TSB — TEMPORARY SEDIMENT BASIN
- CONCRETE FLUME
- SURFACE WATER FLOW

PROJECT NO: 1022-08-73	HWY: IH-94	COUNTY: EAU CLAIRE	EROSION CONTROL - STAGE 2	SHEET E

FILE NAME : W:\NWBE_PROJECTS\DESIGN\1029_I94\C3D_12\1029_FINAL_EROSION_CONTROL_STAGE_2.DWG PLOT DATE : 9/3/2008 9:36 AM PLOT BY : GARY COLBERT PLOT NAME : ----------

LEGEND

- EROSION MAT CLASS I, TYPE B
- EROSION MAT CLASS II, TYPE B
- SILT FENCE
- RIPRAP, LIGHT, MEDIUM OR HEAVY
- TURBIDITY BARRIER
- SLOPE INTERCEPT
- INLET PROTECTION, TYPE A OR C
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- TSB — TEMPORARY SEDIMENT BASIN
- CONC — CONCRETE FLUME
- SURFACE WATER FLOW

GENERAL NOTES FOR EROSION CONTROL

ALL SILT FENCE SHALL BE INSTALLED PRIOR TO CONSTRUCTION STARTUP UNLESS NOTED OTHERWISE.

EROSION MAT CLASS I TYPE B SHALL BE USED TO STABILIZE SLOPED AREAS PER THE EROSION CONTROL PLAN OR AS DIRECTED BY THE ENGINEER.

SEED AND FERTILIZE DISTURBED AREAS OUT TO SLOPE INTERCEPTS.

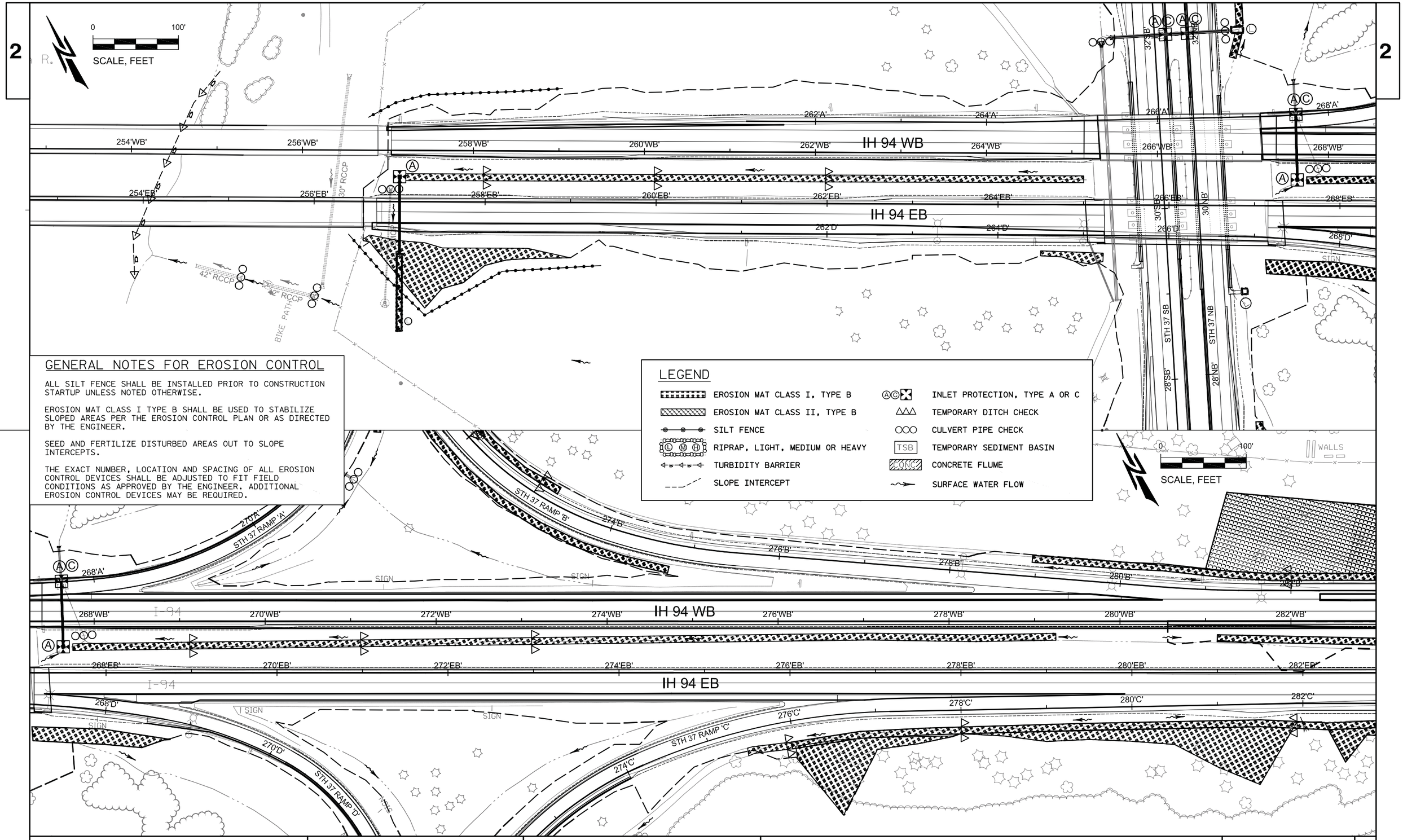
THE EXACT NUMBER, LOCATION AND SPACING OF ALL EROSION CONTROL DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER. ADDITIONAL EROSION CONTROL DEVICES MAY BE REQUIRED.

0 100'

SCALE, FEET

PROJECT NO: 1022-08-73	HWY: IH-94	COUNTY: EAU CLAIRE	EROSION CONTROL - STAGE 2	SHEET E

FILE NAME : W:\NWBE_PROJECTS\DESIGN\1029_I94\C3D_12\1029_FINAL_EROSION_CONTROL_STAGE_2.DWG PLOT DATE : 9/3/2008 9:36 AM PLOT BY : GARY COLBERT PLOT NAME : ----------



GENERAL NOTES FOR EROSION CONTROL

ALL SILT FENCE SHALL BE INSTALLED PRIOR TO CONSTRUCTION STARTUP UNLESS NOTED OTHERWISE.

EROSION MAT CLASS I TYPE B SHALL BE USED TO STABILIZE SLOPED AREAS PER THE EROSION CONTROL PLAN OR AS DIRECTED BY THE ENGINEER.

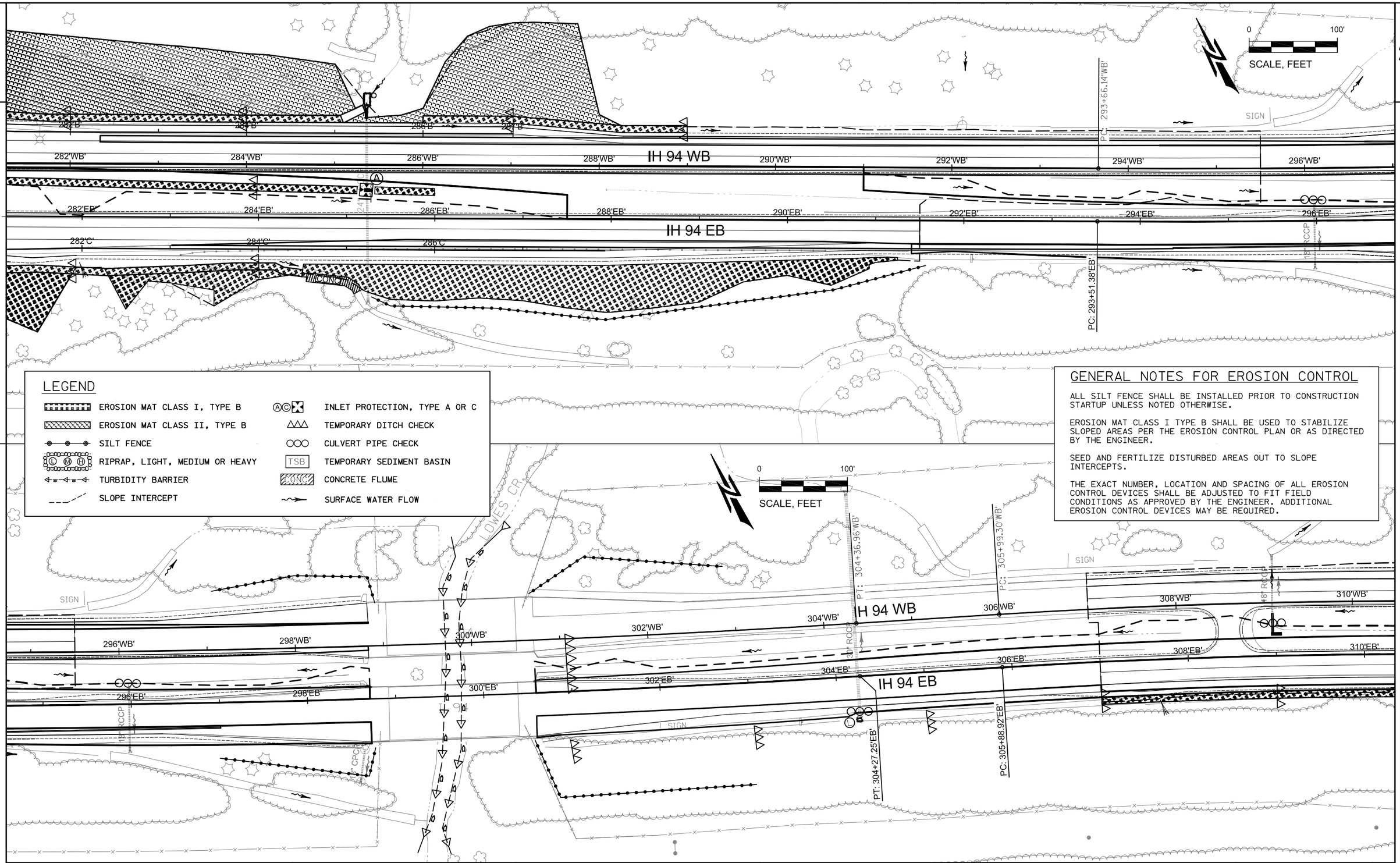
SEED AND FERTILIZE DISTURBED AREAS OUT TO SLOPE INTERCEPTS.

THE EXACT NUMBER, LOCATION AND SPACING OF ALL EROSION CONTROL DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER. ADDITIONAL EROSION CONTROL DEVICES MAY BE REQUIRED.

LEGEND

- EROSION MAT CLASS I, TYPE B
- EROSION MAT CLASS II, TYPE B
- SILT FENCE
- RIPRAP, LIGHT, MEDIUM OR HEAVY
- TURBIDITY BARRIER
- SLOPE INTERCEPT
- INLET PROTECTION, TYPE A OR C
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- TSB — TEMPORARY SEDIMENT BASIN
- CONC — CONCRETE FLUME
- SURFACE WATER FLOW

PROJECT NO: 1022-08-73	HWY: IH-94	COUNTY: EAU CLAIRE	EROSION CONTROL - STAGE 3	SHEET 64	E



PROJECT NO: 1022-08-73	HWY: IH-94	COUNTY: EAU CLAIRE	EROSION CONTROL - STAGE 3	SHEET 65	E

FILE NAME : W:\NWBE_PROJECTS\DESIGN\1029_I94\C3D_12\1029_FINAL_EROSION_CONTROL_STAGE_3.DWG PLOT DATE : 9/3/2008 9:36 AM PLOT BY : GARY COLBERT PLOT NAME : _____

2

0 100'

SCALE, FEET

LEGEND

- EROSION MAT CLASS I, TYPE B
- EROSION MAT CLASS II, TYPE B
- SILT FENCE
- RIPRAP, LIGHT, MEDIUM OR HEAVY
- TURBIDITY BARRIER
- SLOPE INTERCEPT
- INLET PROTECTION, TYPE A OR C
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- TSB TEMPORARY SEDIMENT BASIN
- CONC CONCRETE FLUME
- SURFACE WATER FLOW

GENERAL NOTES FOR EROSION CONTROL

ALL SILT FENCE SHALL BE INSTALLED PRIOR TO CONSTRUCTION STARTUP UNLESS NOTED OTHERWISE.

EROSION MAT CLASS I TYPE B SHALL BE USED TO STABILIZE SLOPED AREAS PER THE EROSION CONTROL PLAN OR AS DIRECTED BY THE ENGINEER.

SEED AND FERTILIZE DISTURBED AREAS OUT TO SLOPE INTERCEPTS.

THE EXACT NUMBER, LOCATION AND SPACING OF ALL EROSION CONTROL DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER. ADDITIONAL EROSION CONTROL DEVICES MAY BE REQUIRED.

SIGN

18" RCP

2-30" RCCP

18" RCCP

PT: 320+75.10'WB'

PT: 320+53.35'EB'

IH 94 WB

IH 94 EB

310'WB' 312'WB' 314'WB' 316'WB' 318'WB' 320'WB' 322'WB' 324'WB'

310'EB' 312'EB' 314'EB' 316'EB' 318'EB' 320'EB' 322'EB' 324'EB'

0 100'

SCALE, FEET

PC: 325+29.86'WB'
TO CONCRETE BOX

PC: 325+08.28'EB'

SIGN

36" RCCP

24" CMCP

324'WB' 326'WB' 328'WB' 330'WB' 332'WB' 334'WB' 336'WB' 338'WB'

324'EB' 326'EB' 328'EB' 330'EB' 332'EB' 334'EB' 336'EB' 338'EB'

IH 94 WB

IH 94 EB

PROJECT NO: 1022-08-73	HWY: IH-94	COUNTY: EAU CLAIRE	EROSION CONTROL - STAGE 3	SHEET 66	E

FILE NAME : W:\NWBE_PROJECTS\DESIGN\1029_I94\C3D_12\1029_FINAL_EROSION_CONTROL_STAGE_3.DWG PLOT DATE : 9/3/2008 9:36 AM PLOT BY : GARY COLBERT PLOT NAME : ----------

WISDOT/CADDS SHEET 42

2

0 100'

SCALE, FEET

SIGN

338'WB' 340'WB' 342'WB' 344'WB' 346'WB' 348'WB' 350'WB' 352'WB'

IH 94 WB

PT: 344+43.75'WB

18" RCP

338'EB' 340'EB' 342'EB' 344'EB' 346'EB' 348'EB' 350'EB' 352'EB'

IH 94 EB

PT: 344+42.38'EB

CONCRETE BOX CULVERT, 6' DEEP X 8' WIDE (INLET) X 8' WIDE (DISCHARGE)

36" CMCP

LEGEND

EROSION MAT CLASS I, TYPE B	INLET PROTECTION, TYPE A OR C
EROSION MAT CLASS II, TYPE B	TEMPORARY DITCH CHECK
SILT FENCE	CULVERT PIPE CHECK
RIPRAP, LIGHT, MEDIUM OR HEAVY (L M H)	TEMPORARY SEDIMENT BASIN (TSB)
TURBIDITY BARRIER	CONCRETE FLUME (CONC)
SLOPE INTERCEPT	SURFACE WATER FLOW

GENERAL NOTES FOR EROSION CONTROL

ALL SILT FENCE SHALL BE INSTALLED PRIOR TO CONSTRUCTION STARTUP UNLESS NOTED OTHERWISE.

EROSION MAT CLASS I TYPE B SHALL BE USED TO STABILIZE SLOPED AREAS PER THE EROSION CONTROL PLAN OR AS DIRECTED BY THE ENGINEER.

SEED AND FERTILIZE DISTURBED AREAS OUT TO SLOPE INTERCEPTS.

THE EXACT NUMBER, LOCATION AND SPACING OF ALL EROSION CONTROL DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER. ADDITIONAL EROSION CONTROL DEVICES MAY BE REQUIRED.

0 100'

SCALE, FEET

18" RCP

352'WB' 354'WB' 356'WB' 358'WB' 360'WB' 362'WB' 364'WB' 366'WB'

IH 94 WB

352'EB' 354'EB' 356'EB' 358'EB' 360'EB' 362'EB' 364'EB' 366'EB'

IH 94 EB

12" CMCP

SIGN

PROJECT NO: 1022-08-73	HWY: IH-94	COUNTY: EAU CLAIRE	EROSION CONTROL - STAGE 3	SHEET 67	E

FILE NAME : W:\NWBE_PROJECTS\DESIGN\1029_I94\C3D_12\1029_FINAL_EROSION_CONTROL_STAGE_3.DWG PLOT DATE : 9/3/2008 9:36 AM PLOT BY : GARY COLBERT PLOT NAME : ----------

WISDOT/CADDS SHEET 42

2

0 100'

SCALE, FEET

IH 94 WB

IH 94 EB

I 94

366'WB' 368'WB' 370'WB' 372'WB' 374'WB' 376'WB' 378'WB' 380'WB'

366'EB' 368'EB' 370'EB' 372'EB' 374'EB' 376'EB' 378'EB' 380'EB'

PC: 375+36.33'WB'

PC: 375+34.96'EB'

LEGEND

- EROSION MAT CLASS I, TYPE B
- EROSION MAT CLASS II, TYPE B
- SILT FENCE
- RIPRAP, LIGHT, MEDIUM OR HEAVY (L M H)
- TURBIDITY BARRIER
- SLOPE INTERCEPT
- INLET PROTECTION, TYPE A OR C (A C)
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- TSB — TEMPORARY SEDIMENT BASIN
- CONC — CONCRETE FLUME
- SURFACE WATER FLOW

GENERAL NOTES FOR EROSION CONTROL

ALL SILT FENCE SHALL BE INSTALLED PRIOR TO CONSTRUCTION STARTUP UNLESS NOTED OTHERWISE.

EROSION MAT CLASS I TYPE B SHALL BE USED TO STABILIZE SLOPED AREAS PER THE EROSION CONTROL PLAN OR AS DIRECTED BY THE ENGINEER.

SEED AND FERTILIZE DISTURBED AREAS OUT TO SLOPE INTERCEPTS.

THE EXACT NUMBER, LOCATION AND SPACING OF ALL EROSION CONTROL DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER. ADDITIONAL EROSION CONTROL DEVICES MAY BE REQUIRED.

0 100'

SCALE, FEET

IH 94 WB

IH 94 EB

I 94

380'WB' 382'WB' 384'WB' 386'WB' 388'WB' 390'WB' 392'WB' 394'WB'

380'EB' 382'EB' 384'EB' 386'EB' 388'EB' 390'EB' 392'EB' 394'EB'

18" RCCP

48" RCCP

36" RCCP

PT: 389+64.26'WB'

PT: 393+31.28'WB'

PT: 389+83.92'EB'

PC: 393+49.54'EB'

PROJECT NO: 1022-08-73	HWY: IH-94	COUNTY: EAU CLAIRE	EROSION CONTROL - STAGE 3	SHEET 68	E

2

GENERAL NOTES FOR EROSION CONTROL

ALL SILT FENCE SHALL BE INSTALLED PRIOR TO CONSTRUCTION STARTUP UNLESS NOTED OTHERWISE.

EROSION MAT CLASS I TYPE B SHALL BE USED TO STABILIZE SLOPED AREAS PER THE EROSION CONTROL PLAN OR AS DIRECTED BY THE ENGINEER.

SEED AND FERTILIZE DISTURBED AREAS OUT TO SLOPE INTERCEPTS.

THE EXACT NUMBER, LOCATION AND SPACING OF ALL EROSION CONTROL DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER. ADDITIONAL EROSION CONTROL DEVICES MAY BE REQUIRED.

LEGEND

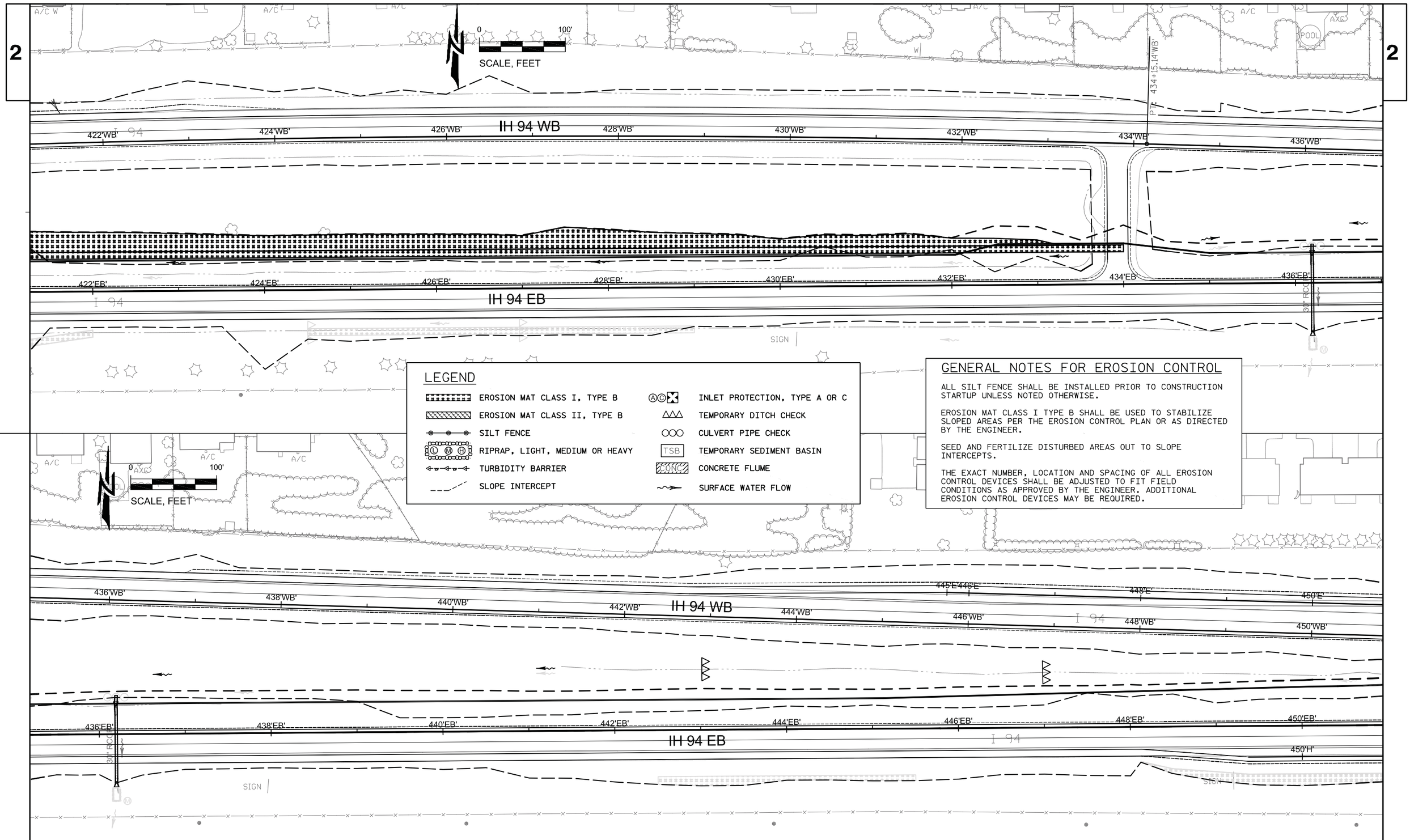
- EROSION MAT CLASS I, TYPE B
- EROSION MAT CLASS II, TYPE B
- SILT FENCE
- RIPRAP, LIGHT, MEDIUM OR HEAVY
- TURBIDITY BARRIER
- SLOPE INTERCEPT
- INLET PROTECTION, TYPE A OR C
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- TEMPORARY SEDIMENT BASIN
- CONCRETE FLUME
- SURFACE WATER FLOW

0 100'
SCALE, FEET

PC: 393+31.28'WB
PT: 393+49.54'EB
36" RCCP
394'WB' 396'WB' 398'WB' 400'WB' 402'WB' 404'WB' 406'WB' 408'WB'
394'EB' 396'EB' 398'EB' 400'EB' 402'EB' 404'EB' 406'EB' 408'EB'
IH 94 WB
IH 94 EB
INLET 9'X3.5' BELOW LINE
30" RCCP
24" CMCP
36"RCCP
LOWER
SIGN
B-18-227
B-18-228
TSB
CONCRETE SURFACE DRAIN (SEE DETAIL)
REMOVE CONCRETE MASONRY
SIGN

72" CMCP
36"X36" INLET, 10.5' TO FLOW LINE. ADDITIONAL APPROX. 18" RCCP DICHARGES HERE
36"X36" INLET, 6.5' TO FLOW LINE
24" RCCP
PC: 409+00.95'WB
410'WB' 412'WB' 414'WB' 416'WB' 418'WB' 420'WB' 422'WB'
410'EB' 412'EB' 414'EB' 416'EB' 418'EB' 420'EB' 422'EB'
PT: 409+50.01'EB'
18" RCCP

PROJECT NO: 1022-08-73	HWY: IH-94	COUNTY: EAU CLAIRE	EROSION CONTROL - STAGE 3	SHEET 69	E



LEGEND

- EROSION MAT CLASS I, TYPE B
- EROSION MAT CLASS II, TYPE B
- SILT FENCE
- RIPRAP, LIGHT, MEDIUM OR HEAVY (L M H)
- TURBIDITY BARRIER
- SLOPE INTERCEPT
- INLET PROTECTION, TYPE A OR C (A C)
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- TEMPORARY SEDIMENT BASIN (TSB)
- CONCRETE FLUME (CONC)
- SURFACE WATER FLOW

GENERAL NOTES FOR EROSION CONTROL

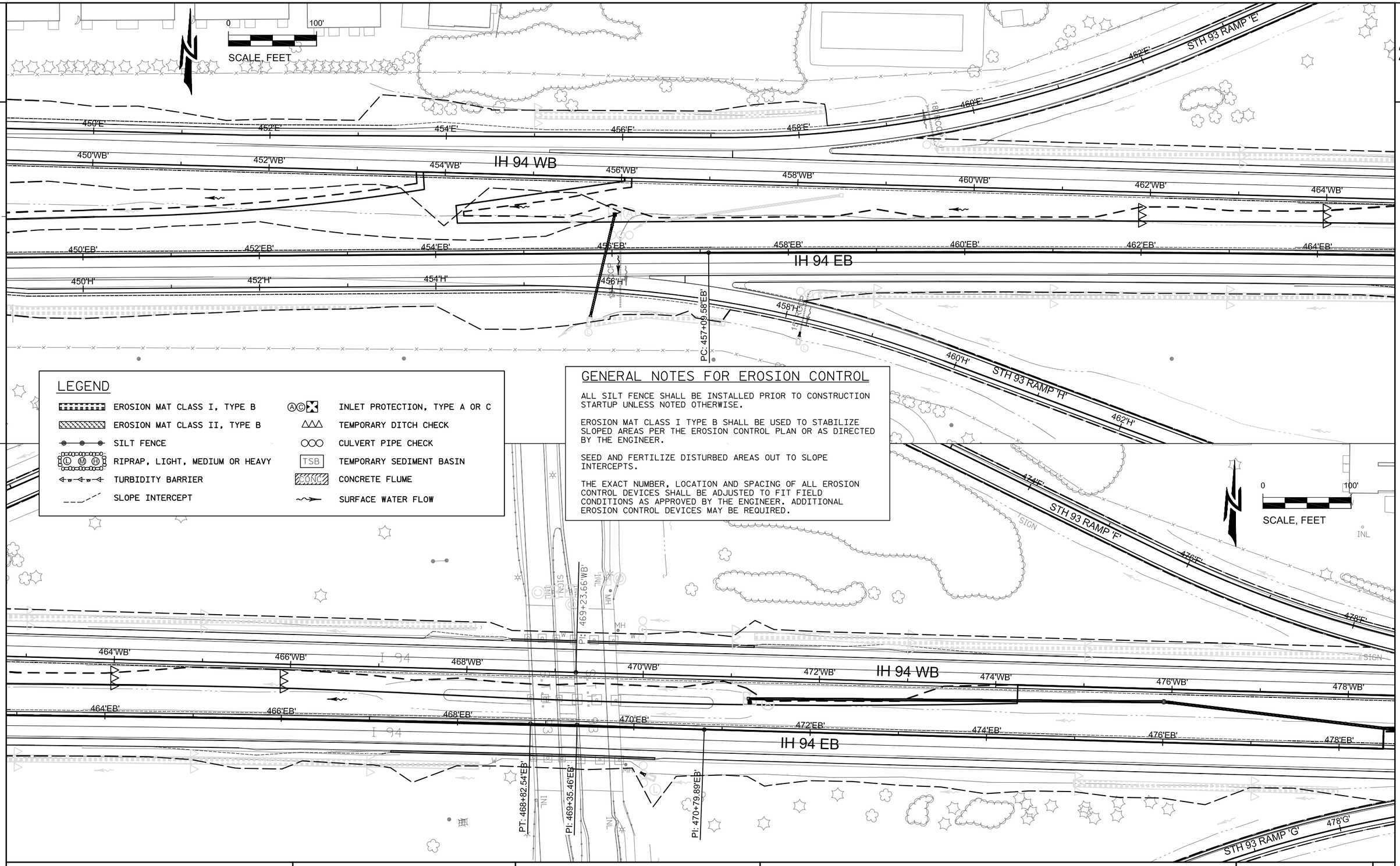
ALL SILT FENCE SHALL BE INSTALLED PRIOR TO CONSTRUCTION STARTUP UNLESS NOTED OTHERWISE.

EROSION MAT CLASS I TYPE B SHALL BE USED TO STABILIZE SLOPED AREAS PER THE EROSION CONTROL PLAN OR AS DIRECTED BY THE ENGINEER.

SEED AND FERTILIZE DISTURBED AREAS OUT TO SLOPE INTERCEPTS.

THE EXACT NUMBER, LOCATION AND SPACING OF ALL EROSION CONTROL DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER. ADDITIONAL EROSION CONTROL DEVICES MAY BE REQUIRED.

PROJECT NO: 1022-08-73	HWY: IH-94	COUNTY: EAU CLAIRE	EROSION CONTROL - STAGE 3	SHEET 70	E



LEGEND

- EROSION MAT CLASS I, TYPE B
- EROSION MAT CLASS II, TYPE B
- SILT FENCE
- RIPRAP, LIGHT, MEDIUM OR HEAVY
- TURBIDITY BARRIER
- SLOPE INTERCEPT
- INLET PROTECTION, TYPE A OR C
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- TEMPORARY SEDIMENT BASIN (TSB)
- CONCRETE FLUME (CONC)
- SURFACE WATER FLOW

GENERAL NOTES FOR EROSION CONTROL

ALL SILT FENCE SHALL BE INSTALLED PRIOR TO CONSTRUCTION STARTUP UNLESS NOTED OTHERWISE.

EROSION MAT CLASS I TYPE B SHALL BE USED TO STABILIZE SLOPED AREAS PER THE EROSION CONTROL PLAN OR AS DIRECTED BY THE ENGINEER.

SEED AND FERTILIZE DISTURBED AREAS OUT TO SLOPE INTERCEPTS.

THE EXACT NUMBER, LOCATION AND SPACING OF ALL EROSION CONTROL DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER. ADDITIONAL EROSION CONTROL DEVICES MAY BE REQUIRED.

PROJECT NO: 1022-08-73	HWY: IH-94	COUNTY: EAU CLAIRE	EROSION CONTROL - STAGE 3	SHEET 71	E

2

SCALE, FEET

0 100'

IH 94 WB

IH 94 EB

LEGEND

- EROSION MAT CLASS I, TYPE B
- EROSION MAT CLASS II, TYPE B
- SILT FENCE
- RIPRAP, LIGHT, MEDIUM OR HEAVY
- TURBIDITY BARRIER
- SLOPE INTERCEPT
- INLET PROTECTION, TYPE A OR C
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- TEMPORARY SEDIMENT BASIN
- CONCRETE FLUME
- SURFACE WATER FLOW

GENERAL NOTES FOR EROSION CONTROL

ALL SILT FENCE SHALL BE INSTALLED PRIOR TO CONSTRUCTION STARTUP UNLESS NOTED OTHERWISE.

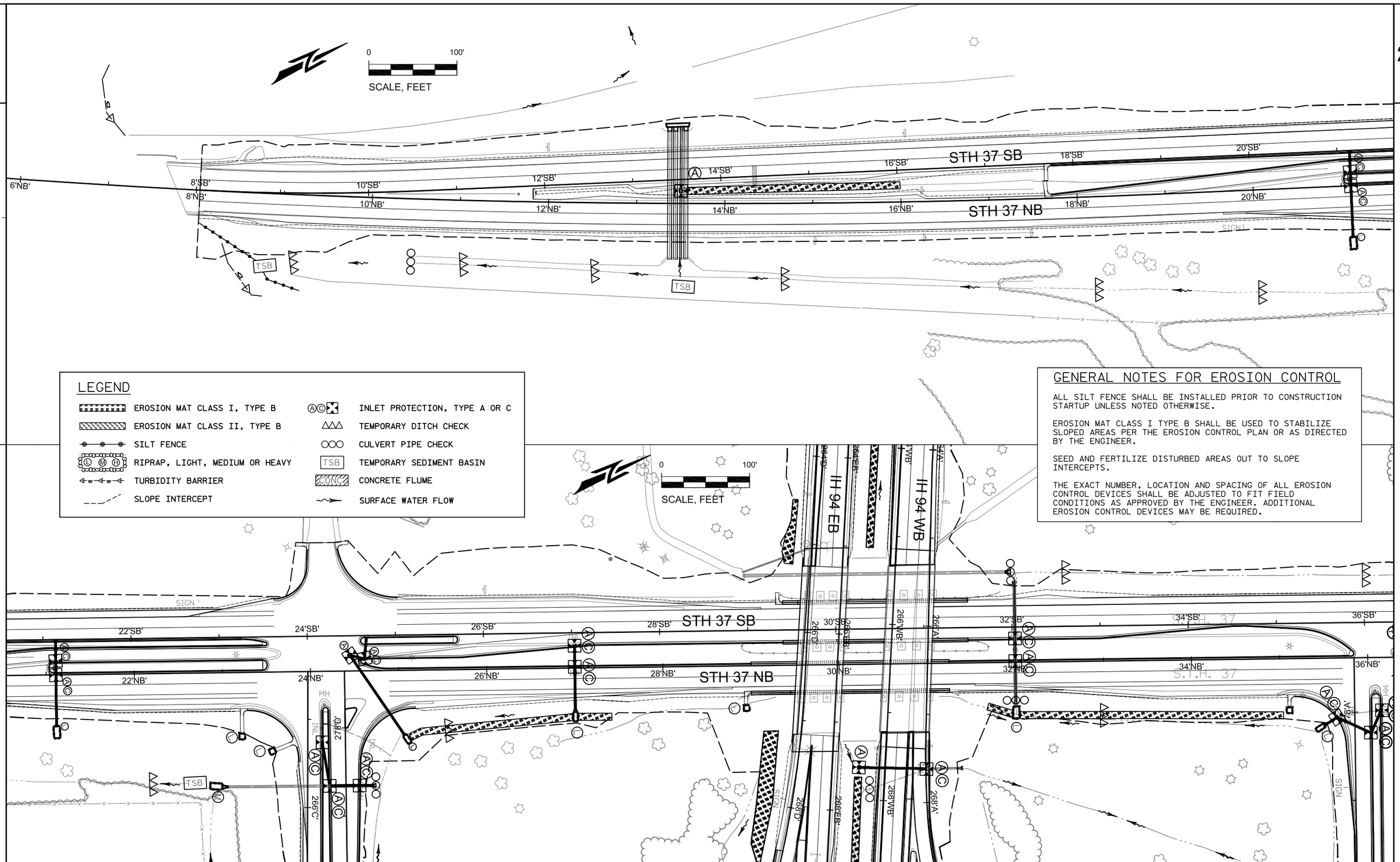
EROSION MAT CLASS I TYPE B SHALL BE USED TO STABILIZE SLOPED AREAS PER THE EROSION CONTROL PLAN OR AS DIRECTED BY THE ENGINEER.

SEED AND FERTILIZE DISTURBED AREAS OUT TO SLOPE INTERCEPTS.

THE EXACT NUMBER, LOCATION AND SPACING OF ALL EROSION CONTROL DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER. ADDITIONAL EROSION CONTROL DEVICES MAY BE REQUIRED.

PROJECT NO: 1022-08-73	HWY: IH-94	COUNTY: EAU CLAIRE	EROSION CONTROL - STAGE 3	SHEET 72	E

2



LEGEND

- EROSION MAT CLASS I, TYPE B
- EROSION MAT CLASS II, TYPE B
- SILT FENCE
- RIPRAP, LIGHT, MEDIUM OR HEAVY
- TURBIDITY BARRIER
- SLOPE INTERCEPT
- INLET PROTECTION, TYPE A OR C
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- TEMPORARY SEDIMENT BASIN
- CONCRETE FLUME
- SURFACE WATER FLOW

GENERAL NOTES FOR EROSION CONTROL

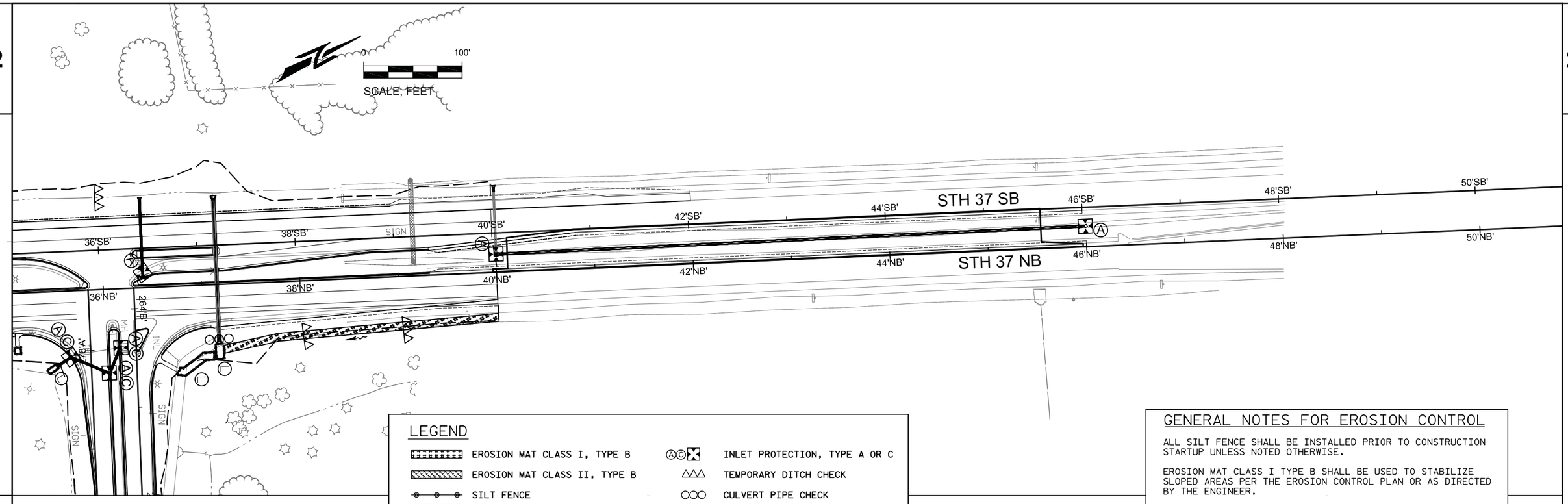
ALL SILT FENCE SHALL BE INSTALLED PRIOR TO CONSTRUCTION STARTUP UNLESS NOTED OTHERWISE.

EROSION MAT CLASS I TYPE B SHALL BE USED TO STABILIZE SLOPED AREAS PER THE EROSION CONTROL PLAN OR AS DIRECTED BY THE ENGINEER.

SEED AND FERTILIZE DISTURBED AREAS OUT TO SLOPE INTERCEPTS.

THE EXACT NUMBER, LOCATION AND SPACING OF ALL EROSION CONTROL DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER. ADDITIONAL EROSION CONTROL DEVICES MAY BE REQUIRED.

PROJECT NO: 1022-08-73	HWY: IH-94	COUNTY: EAU CLAIRE	EROSION CONTROL - STAGE 3	SHEET 73	E



LEGEND

- EROSION MAT CLASS I, TYPE B
- EROSION MAT CLASS II, TYPE B
- SILT FENCE
- RIPRAP, LIGHT, MEDIUM OR HEAVY
- TURBIDITY BARRIER
- SLOPE INTERCEPT
- INLET PROTECTION, TYPE A OR C
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- TSB — TEMPORARY SEDIMENT BASIN
- CONC — CONCRETE FLUME
- SURFACE WATER FLOW

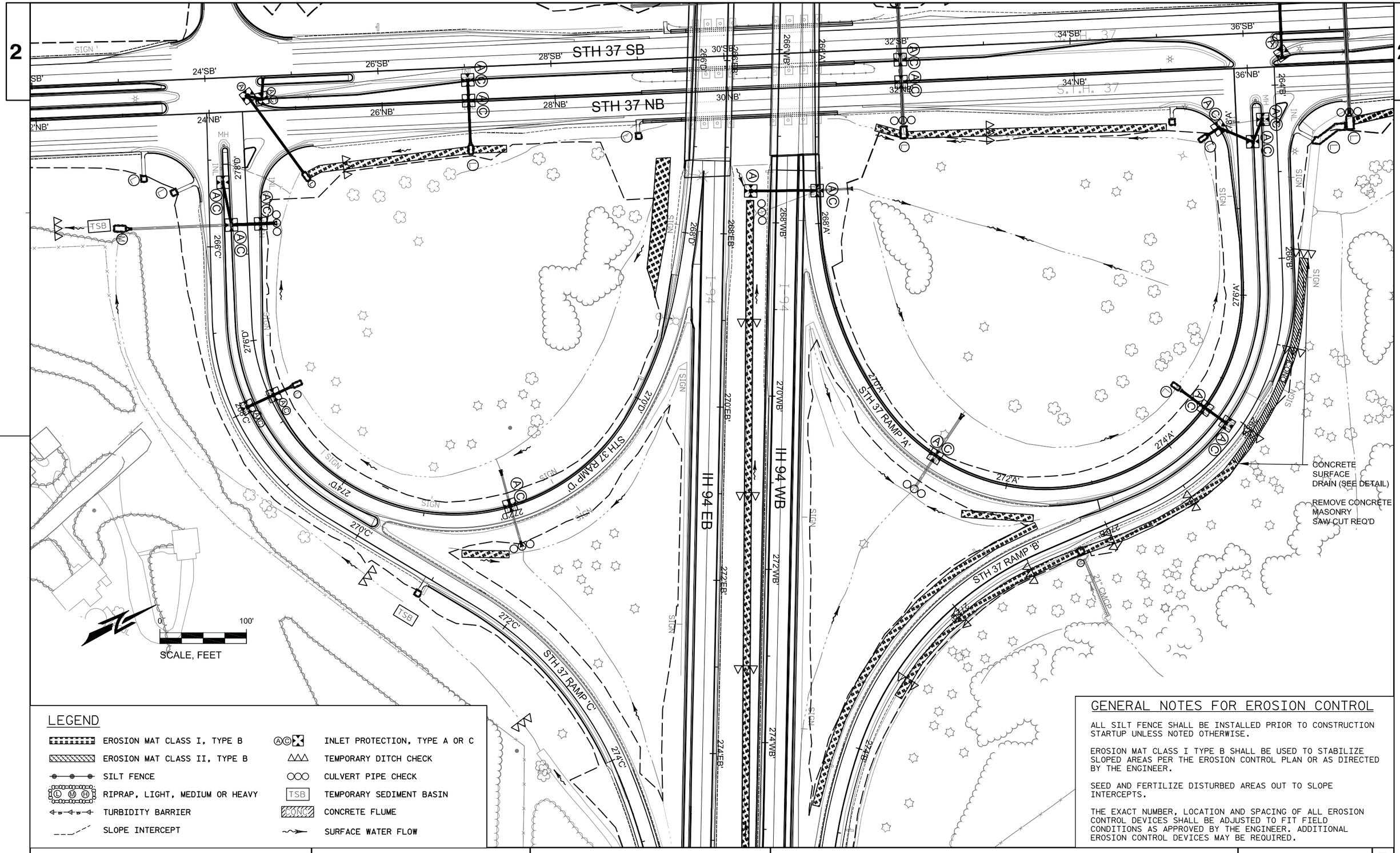
GENERAL NOTES FOR EROSION CONTROL

ALL SILT FENCE SHALL BE INSTALLED PRIOR TO CONSTRUCTION STARTUP UNLESS NOTED OTHERWISE.

EROSION MAT CLASS I TYPE B SHALL BE USED TO STABILIZE SLOPED AREAS PER THE EROSION CONTROL PLAN OR AS DIRECTED BY THE ENGINEER.

SEED AND FERTILIZE DISTURBED AREAS OUT TO SLOPE INTERCEPTS.

THE EXACT NUMBER, LOCATION AND SPACING OF ALL EROSION CONTROL DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER. ADDITIONAL EROSION CONTROL DEVICES MAY BE REQUIRED.



LEGEND

- EROSION MAT CLASS I, TYPE B
- EROSION MAT CLASS II, TYPE B
- SILT FENCE
- RIPRAP, LIGHT, MEDIUM OR HEAVY
- TURBIDITY BARRIER
- SLOPE INTERCEPT
- INLET PROTECTION, TYPE A OR C
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- TEMPORARY SEDIMENT BASIN
- CONCRETE FLUME
- SURFACE WATER FLOW

GENERAL NOTES FOR EROSION CONTROL

ALL SILT FENCE SHALL BE INSTALLED PRIOR TO CONSTRUCTION STARTUP UNLESS NOTED OTHERWISE.

EROSION MAT CLASS I TYPE B SHALL BE USED TO STABILIZE SLOPED AREAS PER THE EROSION CONTROL PLAN OR AS DIRECTED BY THE ENGINEER.

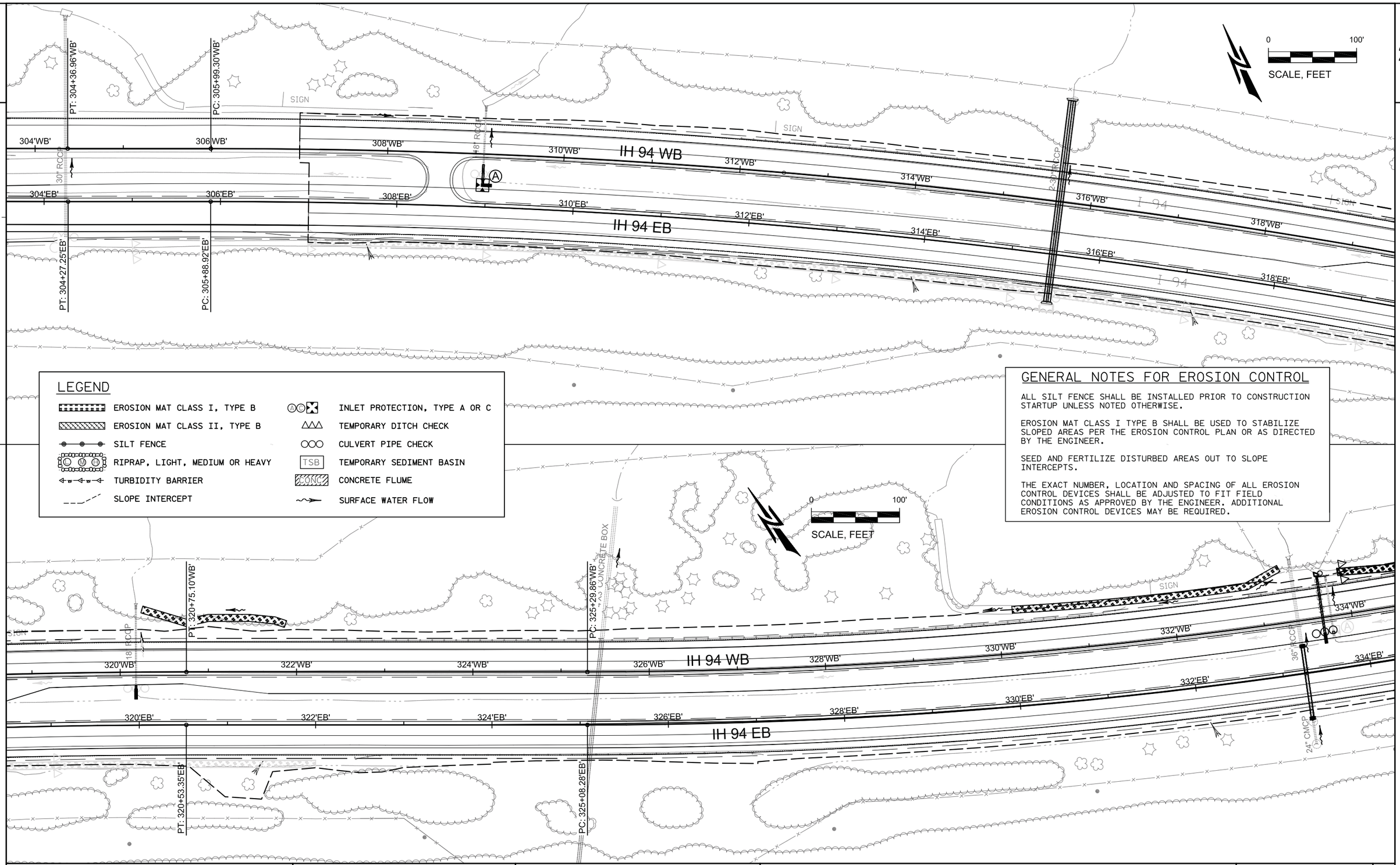
SEED AND FERTILIZE DISTURBED AREAS OUT TO SLOPE INTERCEPTS.

THE EXACT NUMBER, LOCATION AND SPACING OF ALL EROSION CONTROL DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER. ADDITIONAL EROSION CONTROL DEVICES MAY BE REQUIRED.

PROJECT NO: 1022-08-73	HWY: IH-94	COUNTY: EAU CLAIRE	EROSION CONTROL - STAGE 3	SHEET 75	E

2

2



LEGEND

- EROSION MAT CLASS I, TYPE B
- EROSION MAT CLASS II, TYPE B
- SILT FENCE
- RIPRAP, LIGHT, MEDIUM OR HEAVY
- TURBIDITY BARRIER
- SLOPE INTERCEPT
- INLET PROTECTION, TYPE A OR C
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- TSB — TEMPORARY SEDIMENT BASIN
- CONCRETE FLUME
- SURFACE WATER FLOW

GENERAL NOTES FOR EROSION CONTROL

ALL SILT FENCE SHALL BE INSTALLED PRIOR TO CONSTRUCTION STARTUP UNLESS NOTED OTHERWISE.

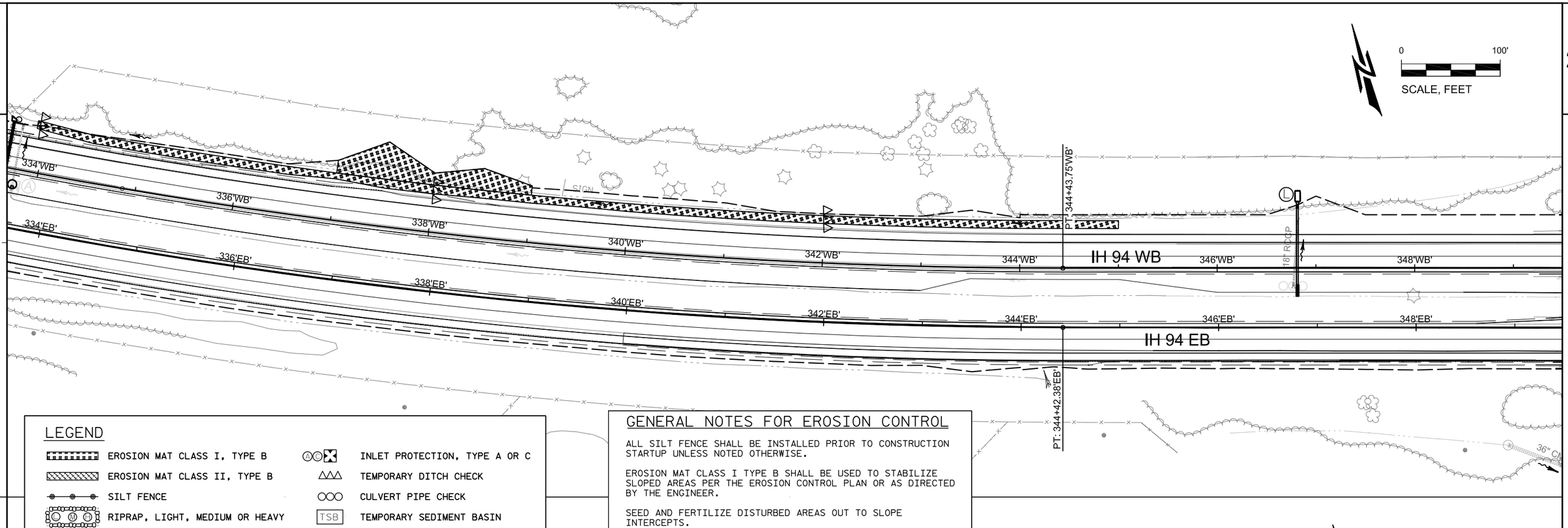
EROSION MAT CLASS I TYPE B SHALL BE USED TO STABILIZE SLOPED AREAS PER THE EROSION CONTROL PLAN OR AS DIRECTED BY THE ENGINEER.

SEED AND FERTILIZE DISTURBED AREAS OUT TO SLOPE INTERCEPTS.

THE EXACT NUMBER, LOCATION AND SPACING OF ALL EROSION CONTROL DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER. ADDITIONAL EROSION CONTROL DEVICES MAY BE REQUIRED.

PROJECT NO: 1022-08-73	HWY: IH-94	COUNTY: EAU CLAIRE	EROSION CONTROL - STAGE 4	SHEET 76	E

2



LEGEND

- EROSION MAT CLASS I, TYPE B
- EROSION MAT CLASS II, TYPE B
- SILT FENCE
- RIPRAP, LIGHT, MEDIUM OR HEAVY
- TURBIDITY BARRIER
- SLOPE INTERCEPT
- INLET PROTECTION, TYPE A OR C
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- TSB — TEMPORARY SEDIMENT BASIN
- CONC — CONCRETE FLUME
- SURFACE WATER FLOW

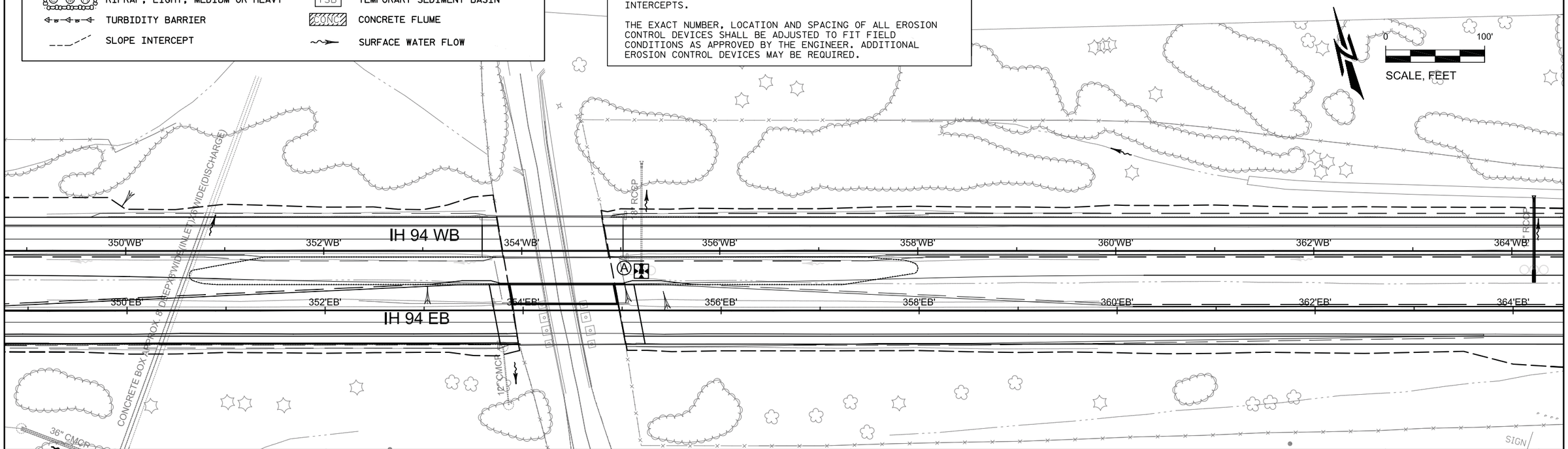
GENERAL NOTES FOR EROSION CONTROL

ALL SILT FENCE SHALL BE INSTALLED PRIOR TO CONSTRUCTION STARTUP UNLESS NOTED OTHERWISE.

EROSION MAT CLASS I TYPE B SHALL BE USED TO STABILIZE SLOPED AREAS PER THE EROSION CONTROL PLAN OR AS DIRECTED BY THE ENGINEER.

SEED AND FERTILIZE DISTURBED AREAS OUT TO SLOPE INTERCEPTS.

THE EXACT NUMBER, LOCATION AND SPACING OF ALL EROSION CONTROL DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER. ADDITIONAL EROSION CONTROL DEVICES MAY BE REQUIRED.



PROJECT NO: 1022-08-73	HWY: IH-94	COUNTY: EAU CLAIRE	EROSION CONTROL - STAGE 4	SHEET 77	E

FILE NAME : W:\NWBE_PROJECTS\DESIGN\1029_I94\C3D_12\1029_FINAL_EROSION_CONTROL_STAGE_4.DWG PLOT DATE : 9/3/2008 9:36 AM PLOT BY : GARY COLBERT PLOT NAME : ----------

WISDOT/CADDS SHEET 42

2

2

0 100'
SCALE, FEET

PC: 375+36.33'WB'

364'WB' 366'WB' 368'WB' 370'WB' 372'WB' 374'WB' 376'WB' 378'WB'

IH 94 WB

364'EB' 366'EB' 368'EB' 370'EB' 372'EB' 374'EB' 376'EB' 378'EB'

IH 94 EB

PC: 375+34.96'EB'

SIGN

GENERAL NOTES FOR EROSION CONTROL

ALL SILT FENCE SHALL BE INSTALLED PRIOR TO CONSTRUCTION STARTUP UNLESS NOTED OTHERWISE.

EROSION MAT CLASS I TYPE B SHALL BE USED TO STABILIZE SLOPED AREAS PER THE EROSION CONTROL PLAN OR AS DIRECTED BY THE ENGINEER.

SEED AND FERTILIZE DISTURBED AREAS OUT TO SLOPE INTERCEPTS.

THE EXACT NUMBER, LOCATION AND SPACING OF ALL EROSION CONTROL DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER. ADDITIONAL EROSION CONTROL DEVICES MAY BE REQUIRED.

LEGEND

- EROSION MAT CLASS I, TYPE B
- EROSION MAT CLASS II, TYPE B
- SILT FENCE
- RIPRAP, LIGHT, MEDIUM OR HEAVY
- TURBIDITY BARRIER
- SLOPE INTERCEPT
- INLET PROTECTION, TYPE A OR C
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- TSB — TEMPORARY SEDIMENT BASIN
- CONC — CONCRETE FLUME
- SURFACE WATER FLOW

0 100'
SCALE, FEET

380'WB' 382'WB' 384'WB' 386'WB' 388'WB' 390'WB' 392'WB' 394'WB'

380'EB' 382'EB' 384'EB' 386'EB' 388'EB' 390'EB' 392'EB' 394'EB'

IH 94 WB

IH 94 EB

36" RCCP

36" RCCP

36" RCCP

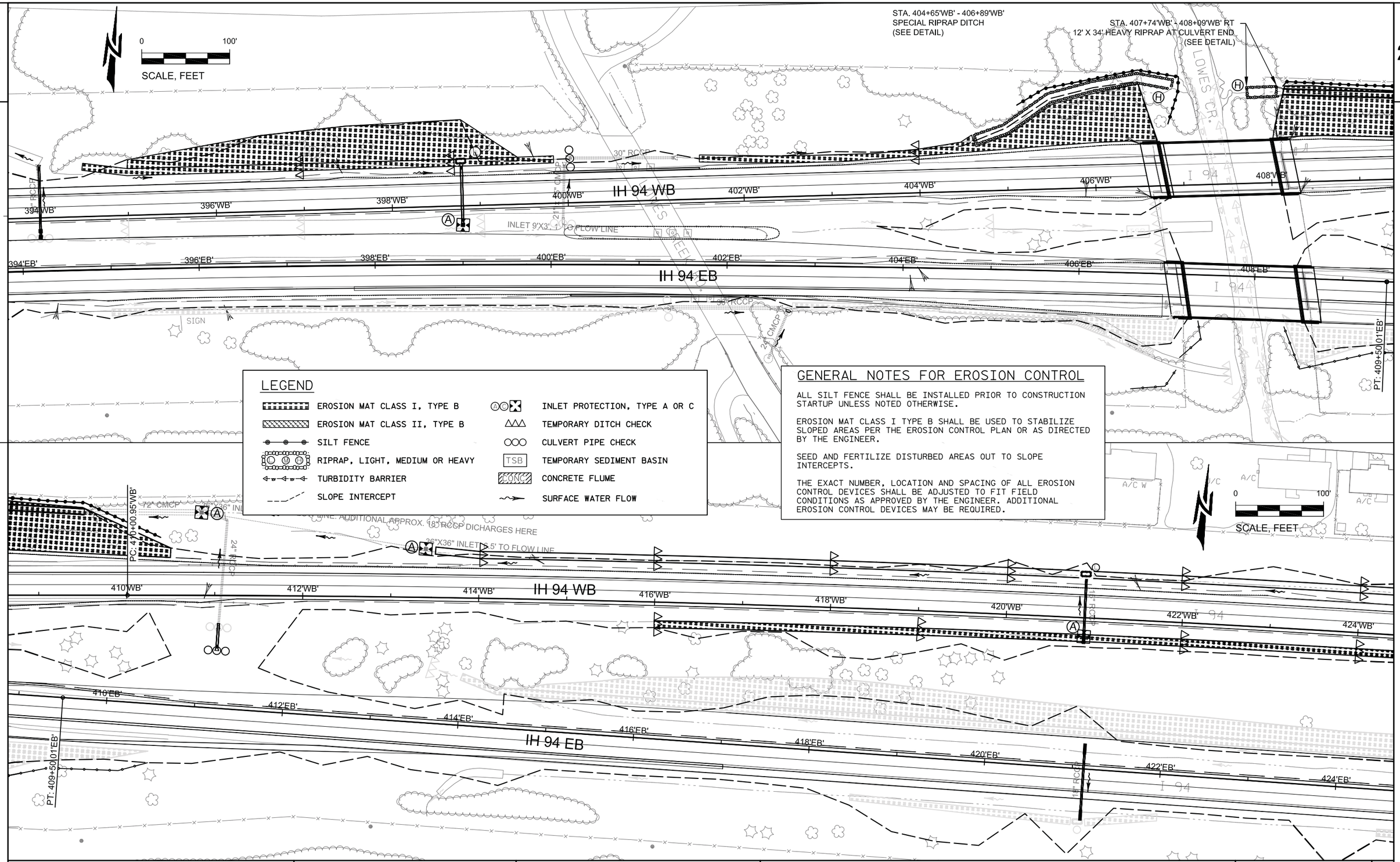
PT: 389+64.26'WB'

PT: 393+31.28'WB'

PT: 389+83.92'EB'

PC: 393+49.54'EB'

PROJECT NO: 1022-08-73	HWY: IH-94	COUNTY: EAU CLAIRE	EROSION CONTROL - STAGE 4	SHEET 78	E



LEGEND

- EROSION MAT CLASS I, TYPE B
- EROSION MAT CLASS II, TYPE B
- SILT FENCE
- RIPRAP, LIGHT, MEDIUM OR HEAVY
- TURBIDITY BARRIER
- SLOPE INTERCEPT
- INLET PROTECTION, TYPE A OR C
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- TSB — TEMPORARY SEDIMENT BASIN
- CONC — CONCRETE FLUME
- SURFACE WATER FLOW

GENERAL NOTES FOR EROSION CONTROL

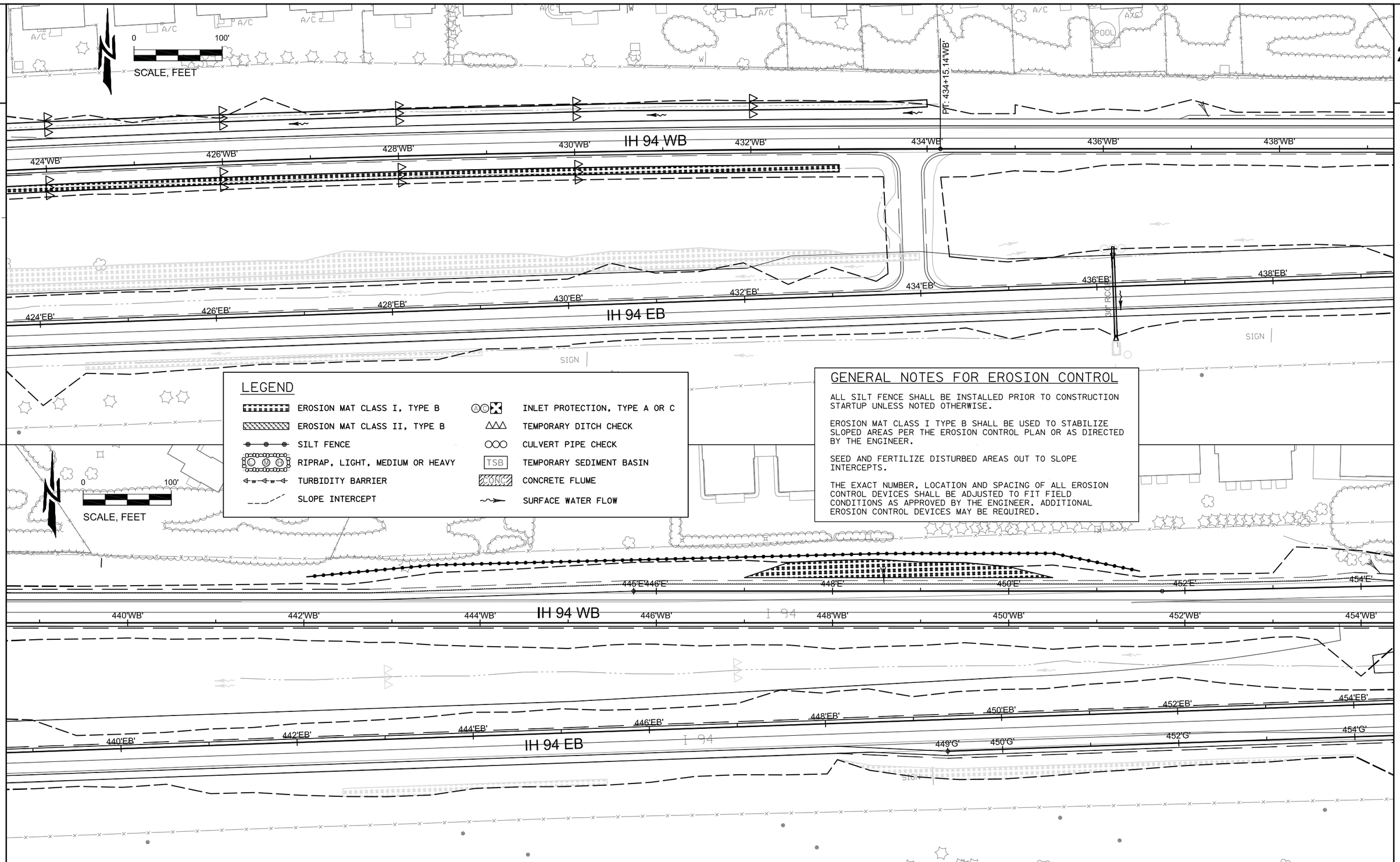
ALL SILT FENCE SHALL BE INSTALLED PRIOR TO CONSTRUCTION STARTUP UNLESS NOTED OTHERWISE.

EROSION MAT CLASS I TYPE B SHALL BE USED TO STABILIZE SLOPED AREAS PER THE EROSION CONTROL PLAN OR AS DIRECTED BY THE ENGINEER.

SEED AND FERTILIZE DISTURBED AREAS OUT TO SLOPE INTERCEPTS.

THE EXACT NUMBER, LOCATION AND SPACING OF ALL EROSION CONTROL DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER. ADDITIONAL EROSION CONTROL DEVICES MAY BE REQUIRED.

PROJECT NO: 1022-08-73	HWY: IH-94	COUNTY: EAU CLAIRE	EROSION CONTROL - STAGE 4	SHEET 79	E



LEGEND

- EROSION MAT CLASS I, TYPE B
- EROSION MAT CLASS II, TYPE B
- SILT FENCE
- RIPRAP, LIGHT, MEDIUM OR HEAVY
- TURBIDITY BARRIER
- SLOPE INTERCEPT
- INLET PROTECTION, TYPE A OR C
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- TSB — TEMPORARY SEDIMENT BASIN
- CONC — CONCRETE FLUME
- SURFACE WATER FLOW

GENERAL NOTES FOR EROSION CONTROL

ALL SILT FENCE SHALL BE INSTALLED PRIOR TO CONSTRUCTION STARTUP UNLESS NOTED OTHERWISE.

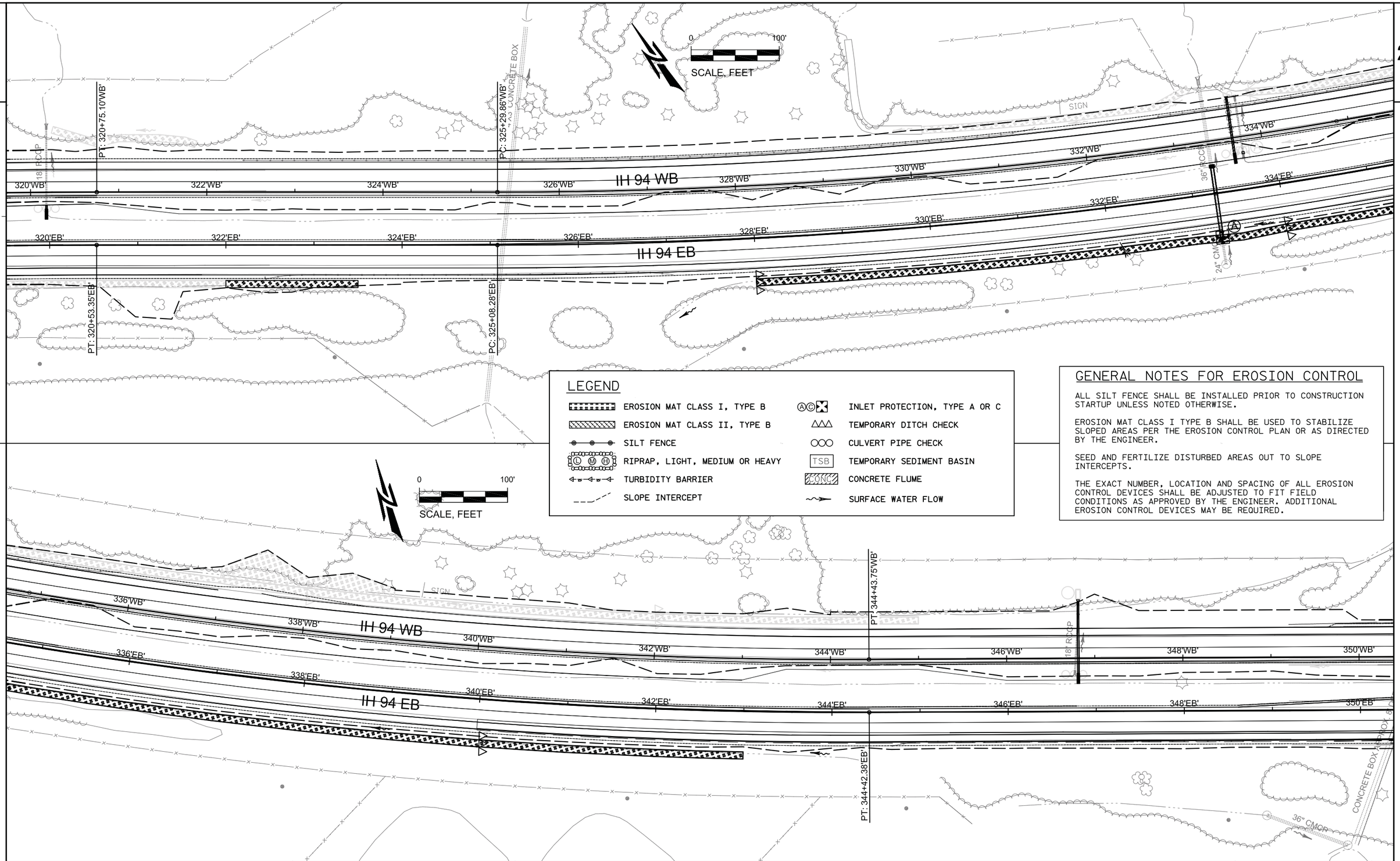
EROSION MAT CLASS I TYPE B SHALL BE USED TO STABILIZE SLOPED AREAS PER THE EROSION CONTROL PLAN OR AS DIRECTED BY THE ENGINEER.

SEED AND FERTILIZE DISTURBED AREAS OUT TO SLOPE INTERCEPTS.

THE EXACT NUMBER, LOCATION AND SPACING OF ALL EROSION CONTROL DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER. ADDITIONAL EROSION CONTROL DEVICES MAY BE REQUIRED.

PROJECT NO: 1022-08-73	HWY: IH-94	COUNTY: EAU CLAIRE	EROSION CONTROL - STAGE 4	SHEET 80	E

2



LEGEND

- EROSION MAT CLASS I, TYPE B
- EROSION MAT CLASS II, TYPE B
- SILT FENCE
- RIPRAP, LIGHT, MEDIUM OR HEAVY
- TURBIDITY BARRIER
- SLOPE INTERCEPT
- INLET PROTECTION, TYPE A OR C
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- TSB — TEMPORARY SEDIMENT BASIN
- CONC — CONCRETE FLUME
- SURFACE WATER FLOW

GENERAL NOTES FOR EROSION CONTROL

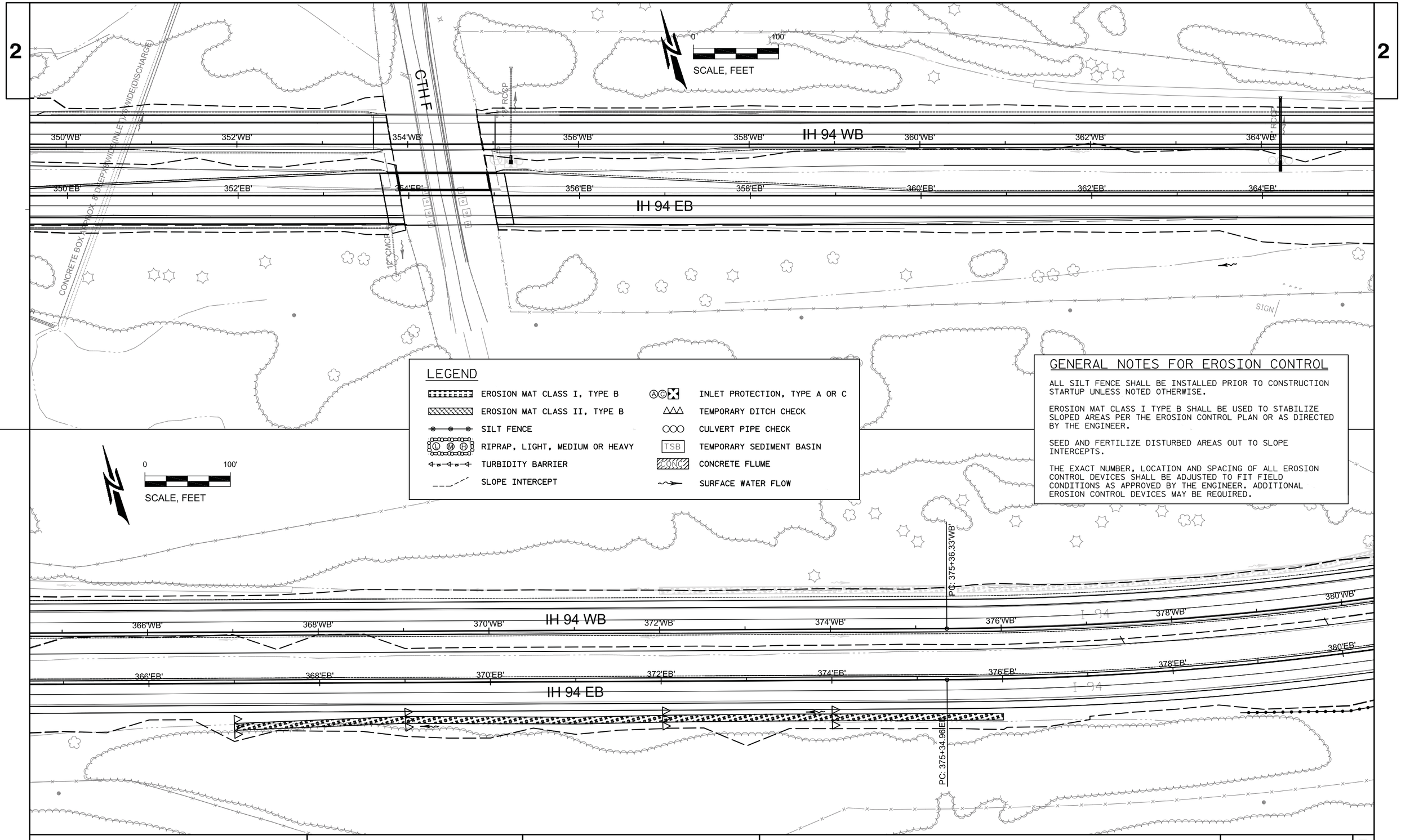
ALL SILT FENCE SHALL BE INSTALLED PRIOR TO CONSTRUCTION STARTUP UNLESS NOTED OTHERWISE.

EROSION MAT CLASS I TYPE B SHALL BE USED TO STABILIZE SLOPED AREAS PER THE EROSION CONTROL PLAN OR AS DIRECTED BY THE ENGINEER.

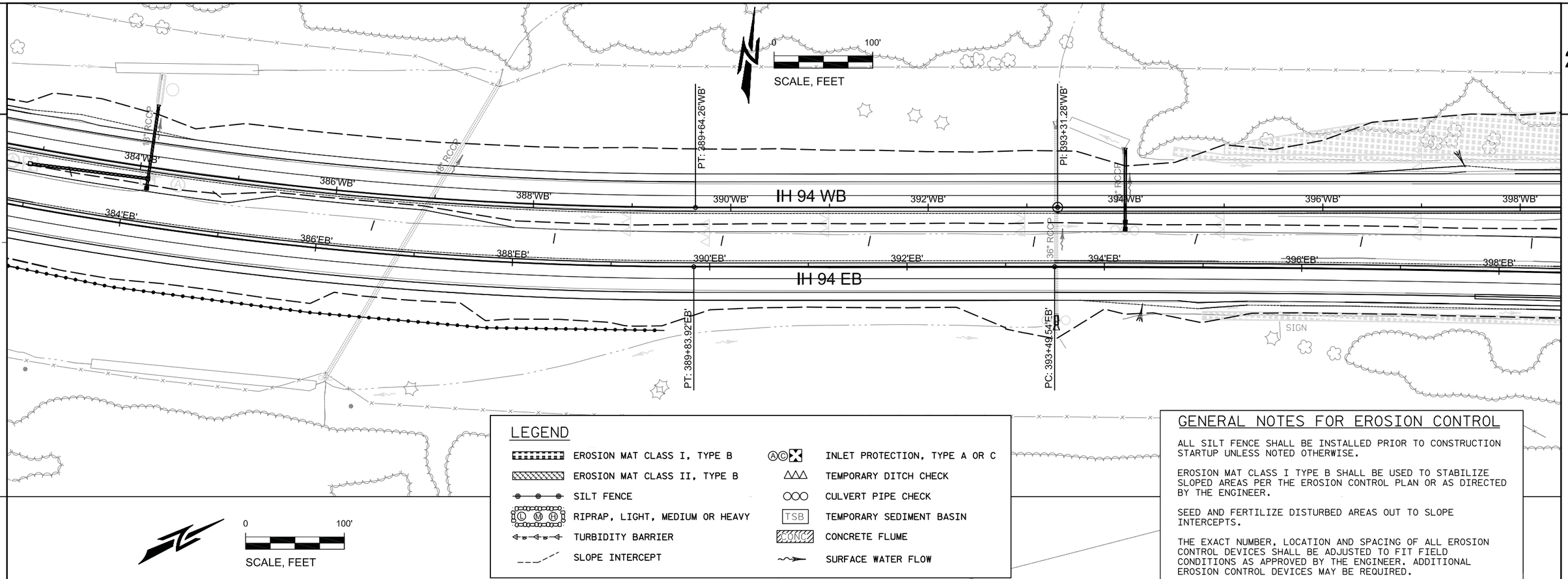
SEED AND FERTILIZE DISTURBED AREAS OUT TO SLOPE INTERCEPTS.

THE EXACT NUMBER, LOCATION AND SPACING OF ALL EROSION CONTROL DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER. ADDITIONAL EROSION CONTROL DEVICES MAY BE REQUIRED.

PROJECT NO: 1022-08-73	HWY: IH-94	COUNTY: EAU CLAIRE	EROSION CONTROL - STAGE 5	SHEET 81	E



PROJECT NO: 1022-08-73	HWY: IH-94	COUNTY: EAU CLAIRE	EROSION CONTROL - STAGE 5	SHEET 82	E



LEGEND

- EROSION MAT CLASS I, TYPE B
- EROSION MAT CLASS II, TYPE B
- SILT FENCE
- RIPRAP, LIGHT, MEDIUM OR HEAVY
- TURBIDITY BARRIER
- SLOPE INTERCEPT
- INLET PROTECTION, TYPE A OR C
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- TSB — TEMPORARY SEDIMENT BASIN
- CONC — CONCRETE FLUME
- SURFACE WATER FLOW

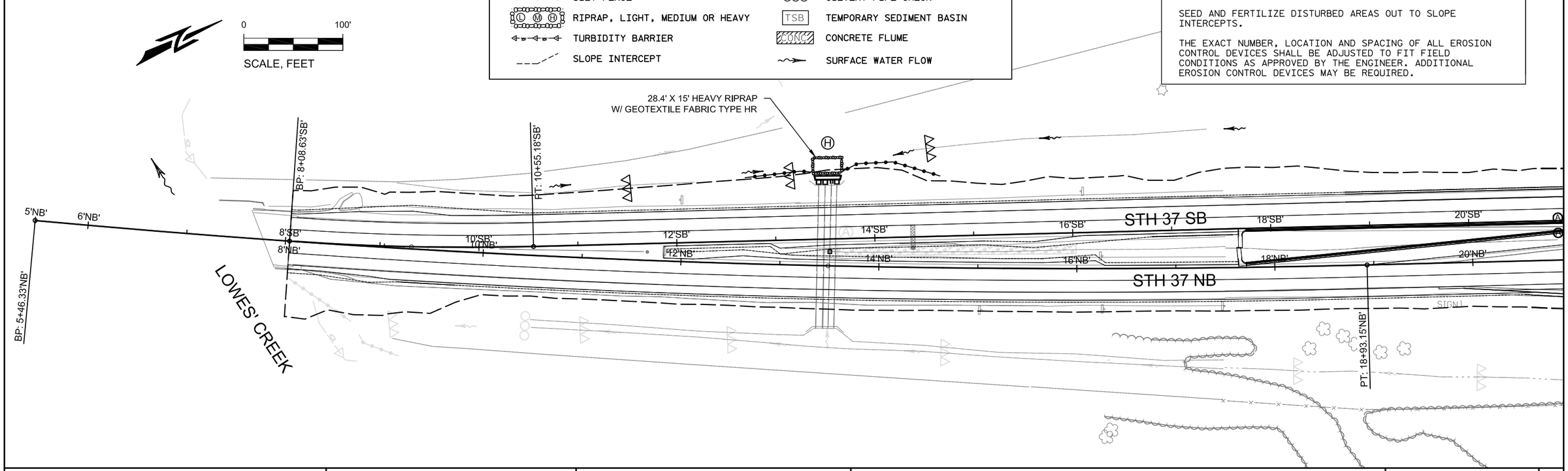
GENERAL NOTES FOR EROSION CONTROL

ALL SILT FENCE SHALL BE INSTALLED PRIOR TO CONSTRUCTION STARTUP UNLESS NOTED OTHERWISE.

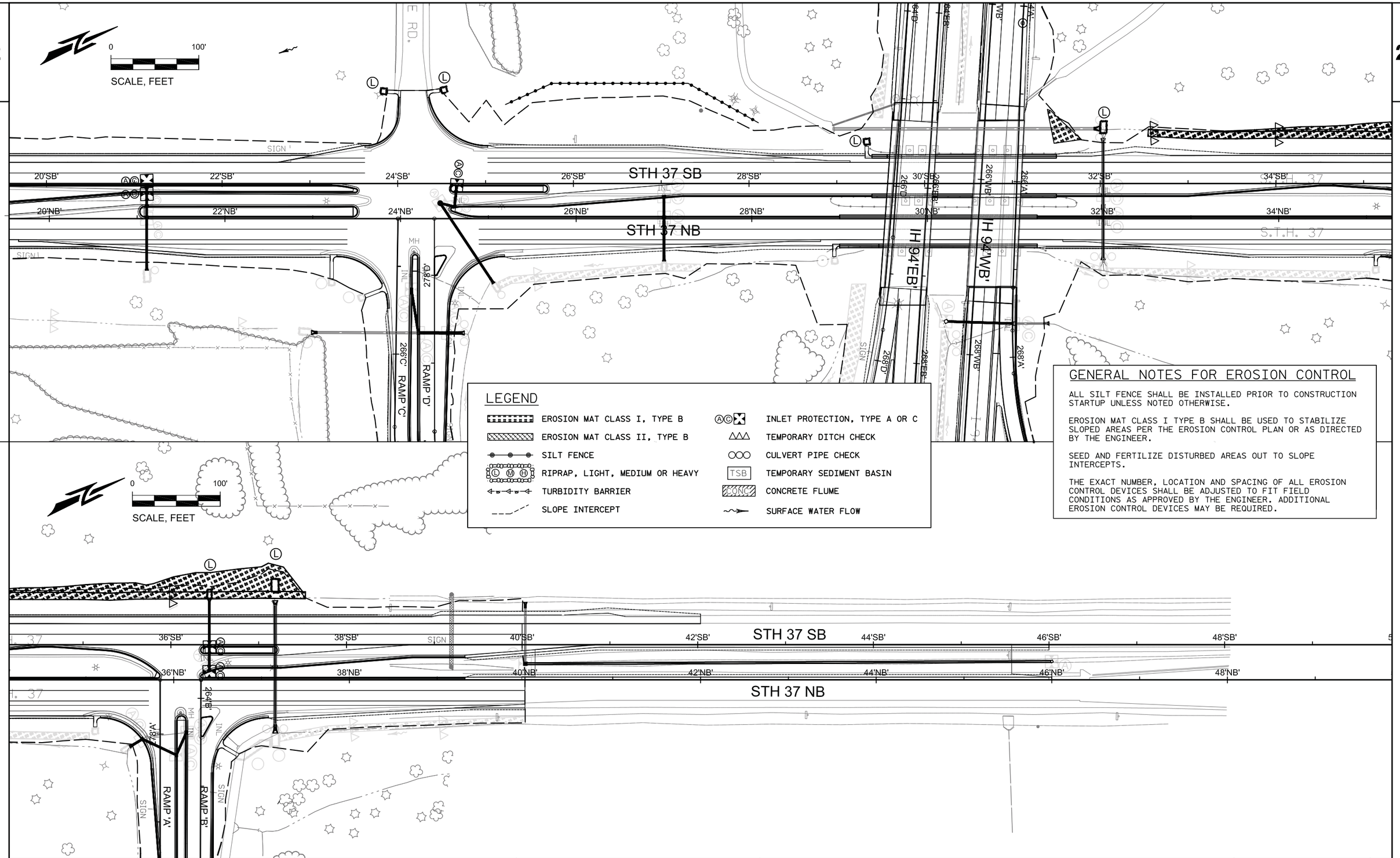
EROSION MAT CLASS I TYPE B SHALL BE USED TO STABILIZE SLOPED AREAS PER THE EROSION CONTROL PLAN OR AS DIRECTED BY THE ENGINEER.

SEED AND FERTILIZE DISTURBED AREAS OUT TO SLOPE INTERCEPTS.

THE EXACT NUMBER, LOCATION AND SPACING OF ALL EROSION CONTROL DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER. ADDITIONAL EROSION CONTROL DEVICES MAY BE REQUIRED.



PROJECT NO: 1022-08-73	HWY: IH-94	COUNTY: EAU CLAIRE	EROSION CONTROL - STAGE 5	SHEET 83	E



LEGEND

- EROSION MAT CLASS I, TYPE B
- EROSION MAT CLASS II, TYPE B
- SILT FENCE
- RIPRAP, LIGHT, MEDIUM OR HEAVY
- TURBIDITY BARRIER
- SLOPE INTERCEPT
- INLET PROTECTION, TYPE A OR C
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- TSB TEMPORARY SEDIMENT BASIN
- CONCRETE FLUME
- SURFACE WATER FLOW

GENERAL NOTES FOR EROSION CONTROL

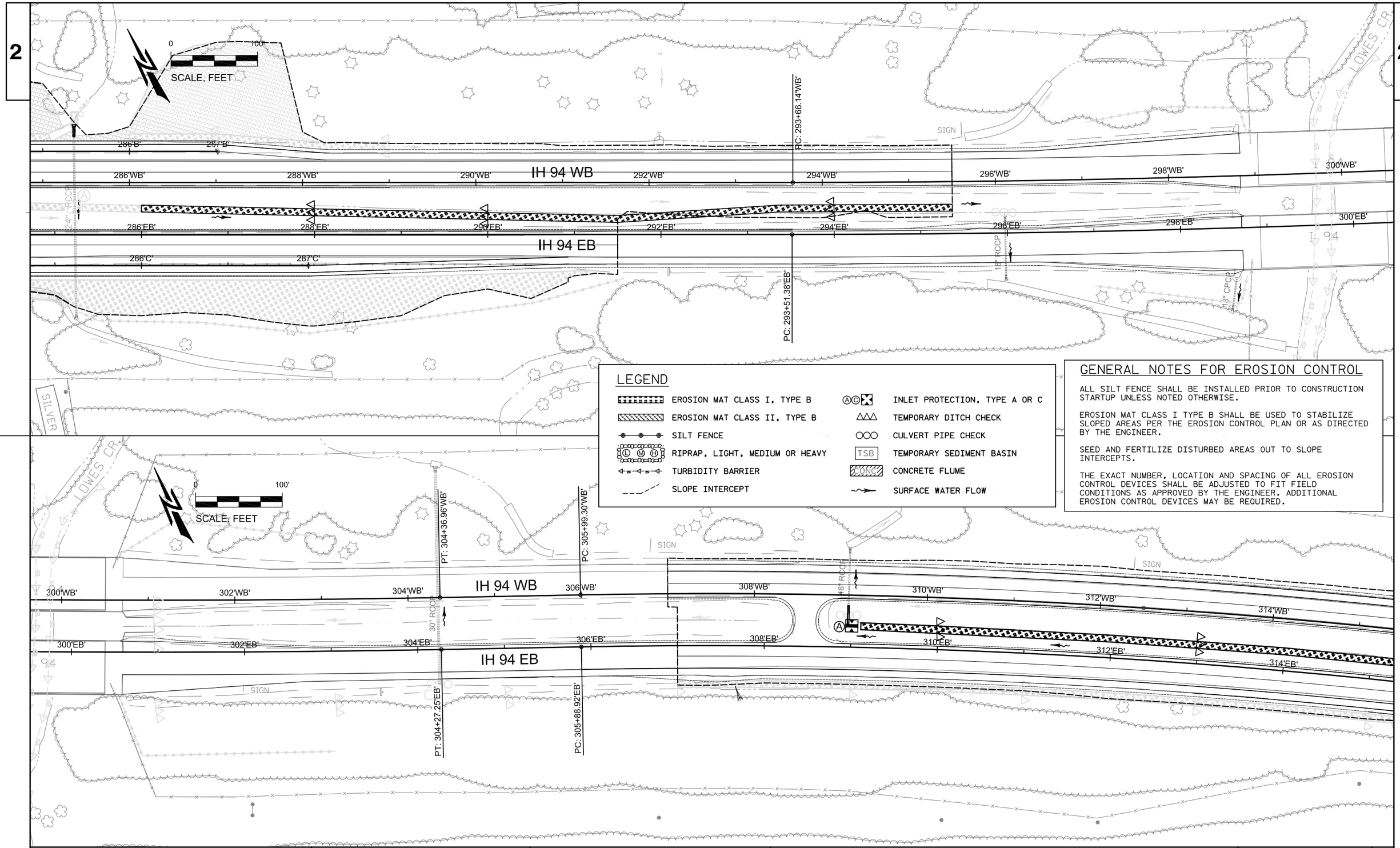
ALL SILT FENCE SHALL BE INSTALLED PRIOR TO CONSTRUCTION STARTUP UNLESS NOTED OTHERWISE.

EROSION MAT CLASS I TYPE B SHALL BE USED TO STABILIZE SLOPED AREAS PER THE EROSION CONTROL PLAN OR AS DIRECTED BY THE ENGINEER.

SEED AND FERTILIZE DISTURBED AREAS OUT TO SLOPE INTERCEPTS.

THE EXACT NUMBER, LOCATION AND SPACING OF ALL EROSION CONTROL DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER. ADDITIONAL EROSION CONTROL DEVICES MAY BE REQUIRED.

PROJECT NO: 1022-08-73	HWY: IH-94	COUNTY: EAU CLAIRE	EROSION CONTROL - STAGE 5	SHEET 84	E



LEGEND

- EROSION MAT CLASS I, TYPE B
- EROSION MAT CLASS II, TYPE B
- SILT FENCE
- RIPRAP, LIGHT, MEDIUM OR HEAVY
- TURBIDITY BARRIER
- SLOPE INTERCEPT
- INLET PROTECTION, TYPE A OR C
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- TEMPORARY SEDIMENT BASIN
- CONCRETE FLUME
- SURFACE WATER FLOW

GENERAL NOTES FOR EROSION CONTROL

ALL SILT FENCE SHALL BE INSTALLED PRIOR TO CONSTRUCTION STARTUP UNLESS NOTED OTHERWISE.

EROSION MAT CLASS I TYPE B SHALL BE USED TO STABILIZE SLOPED AREAS PER THE EROSION CONTROL PLAN OR AS DIRECTED BY THE ENGINEER.

SEED AND FERTILIZE DISTURBED AREAS OUT TO SLOPE INTERCEPTS.

THE EXACT NUMBER, LOCATION AND SPACING OF ALL EROSION CONTROL DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER. ADDITIONAL EROSION CONTROL DEVICES MAY BE REQUIRED.

PROJECT NO: 1022-08-73	HWY: IH-94	COUNTY: EAU CLAIRE	EROSION CONTROL - STAGE 6	SHEET 85	E

2

2

0 100'

SCALE, FEET

316'WB' 318'WB' 320'WB' 322'WB' 324'WB' 326'WB' 328'WB' 330'WB'

316'EB' 318'EB' 320'EB' 322'EB' 324'EB' 326'EB' 328'EB' 330'EB'

IH 94 WB

IH 94 EB

I 94

STSN

2.3% RCCP

18" RCCP

PT: 320+75.10'WB'

PT: 320+53.35'EB'

PC: 325+29.86'WB'

PC: 325+08.28'EB'

4'x3' CONCRETE BOX

A

LEGEND

	EROSION MAT CLASS I, TYPE B	Ⓐ Ⓒ	INLET PROTECTION, TYPE A OR C
	EROSION MAT CLASS II, TYPE B		TEMPORARY DITCH CHECK
	SILT FENCE		CULVERT PIPE CHECK
L M H	RIPRAP, LIGHT, MEDIUM OR HEAVY	TSB	TEMPORARY SEDIMENT BASIN
	TURBIDITY BARRIER	CONC	CONCRETE FLUME
	SLOPE INTERCEPT		SURFACE WATER FLOW

GENERAL NOTES FOR EROSION CONTROL

ALL SILT FENCE SHALL BE INSTALLED PRIOR TO CONSTRUCTION STARTUP UNLESS NOTED OTHERWISE.

EROSION MAT CLASS I TYPE B SHALL BE USED TO STABILIZE SLOPED AREAS PER THE EROSION CONTROL PLAN OR AS DIRECTED BY THE ENGINEER.

SEED AND FERTILIZE DISTURBED AREAS OUT TO SLOPE INTERCEPTS.

THE EXACT NUMBER, LOCATION AND SPACING OF ALL EROSION CONTROL DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER. ADDITIONAL EROSION CONTROL DEVICES MAY BE REQUIRED.

0 100'

SCALE, FEET

SIGN

330'WB' 332'WB' 334'WB' 336'WB' 338'WB' 340'WB' 342'WB' 344'WB'

330'EB' 332'EB' 334'EB' 336'EB' 338'EB' 340'EB' 342'EB' 344'EB'

IH 94 WB

IH 94 EB

24" CMCP

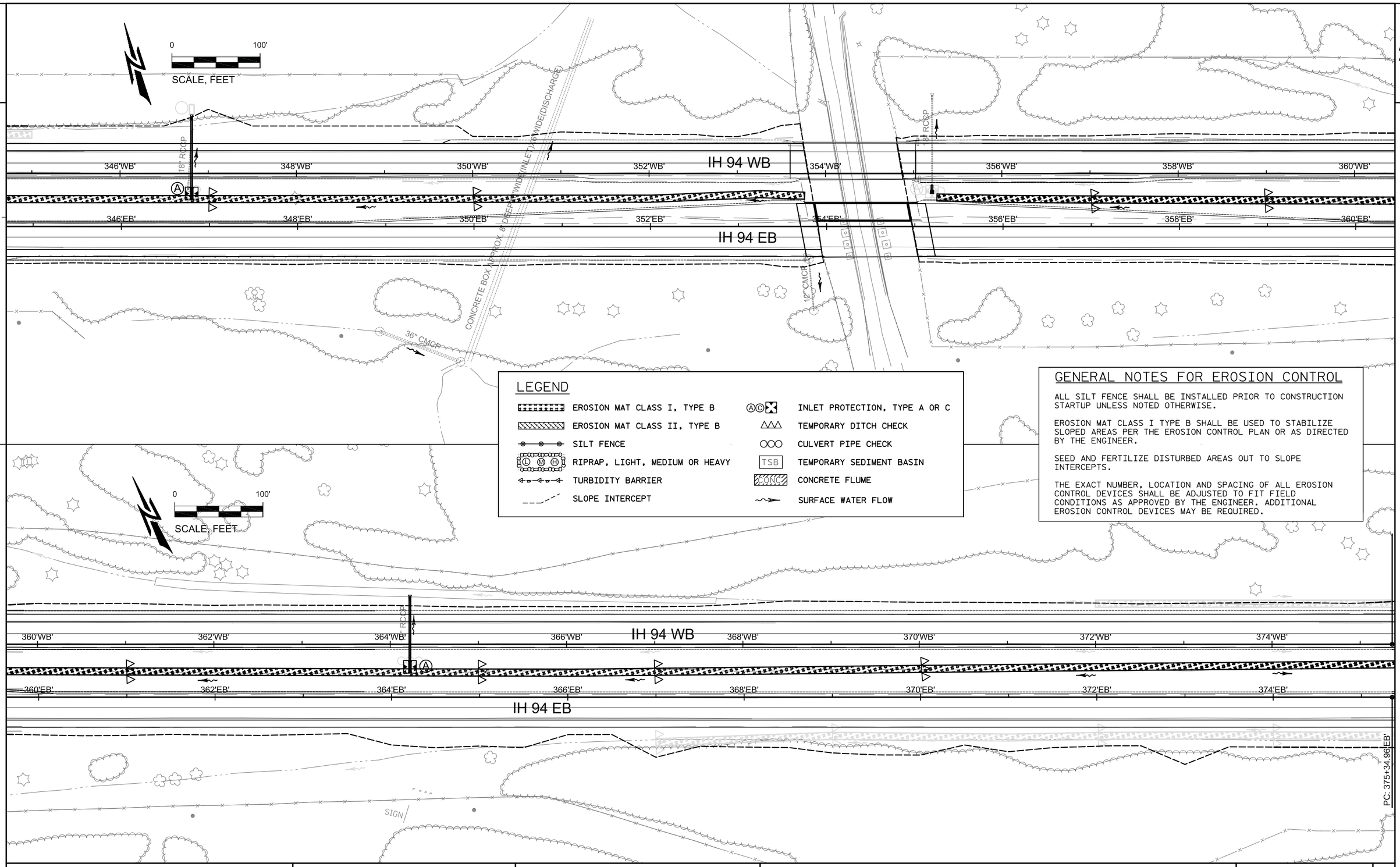
PT: 344+43.75'WB'

PT: 344+42.38'EB'

PROJECT NO: 1022-08-73	HWY: IH-94	COUNTY: EAU CLAIRE	EROSION CONTROL - STAGE 6	SHEET 86	E

FILE NAME : W:\NWBE_PROJECTS\DESIGN\1029_I94\C3D_12\1029_FINAL_EROSION_CONTROL_STAGE_6.DWG PLOT DATE : 9/3/2008 9:36 AM PLOT BY : GARY COLBERT PLOT NAME : ----------

2



LEGEND

- EROSION MAT CLASS I, TYPE B
- EROSION MAT CLASS II, TYPE B
- SILT FENCE
- RIPRAP, LIGHT, MEDIUM OR HEAVY
- TURBIDITY BARRIER
- SLOPE INTERCEPT
- INLET PROTECTION, TYPE A OR C
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- TSB — TEMPORARY SEDIMENT BASIN
- CONC — CONCRETE FLUME
- SURFACE WATER FLOW

GENERAL NOTES FOR EROSION CONTROL

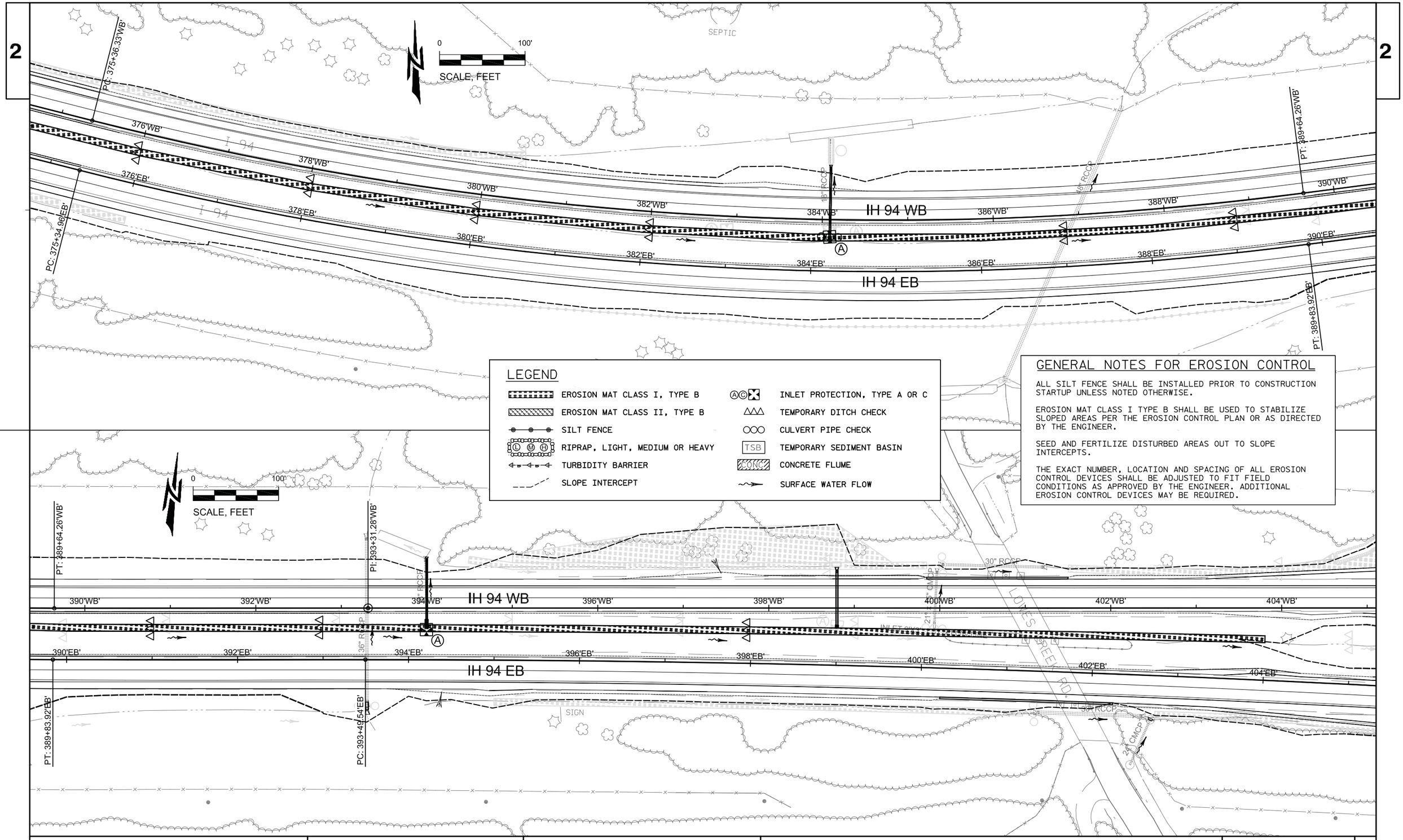
ALL SILT FENCE SHALL BE INSTALLED PRIOR TO CONSTRUCTION STARTUP UNLESS NOTED OTHERWISE.

EROSION MAT CLASS I TYPE B SHALL BE USED TO STABILIZE SLOPED AREAS PER THE EROSION CONTROL PLAN OR AS DIRECTED BY THE ENGINEER.

SEED AND FERTILIZE DISTURBED AREAS OUT TO SLOPE INTERCEPTS.

THE EXACT NUMBER, LOCATION AND SPACING OF ALL EROSION CONTROL DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER. ADDITIONAL EROSION CONTROL DEVICES MAY BE REQUIRED.

PROJECT NO: 1022-08-73	HWY: IH-94	COUNTY: EAU CLAIRE	EROSION CONTROL - STAGE 6	SHEET 87	E



LEGEND

- EROSION MAT CLASS I, TYPE B
- EROSION MAT CLASS II, TYPE B
- SILT FENCE
- RIPRAP, LIGHT, MEDIUM OR HEAVY
- TURBIDITY BARRIER
- SLOPE INTERCEPT
- INLET PROTECTION, TYPE A OR C
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- TEMPORARY SEDIMENT BASIN
- CONCRETE FLUME
- SURFACE WATER FLOW

GENERAL NOTES FOR EROSION CONTROL

ALL SILT FENCE SHALL BE INSTALLED PRIOR TO CONSTRUCTION STARTUP UNLESS NOTED OTHERWISE.

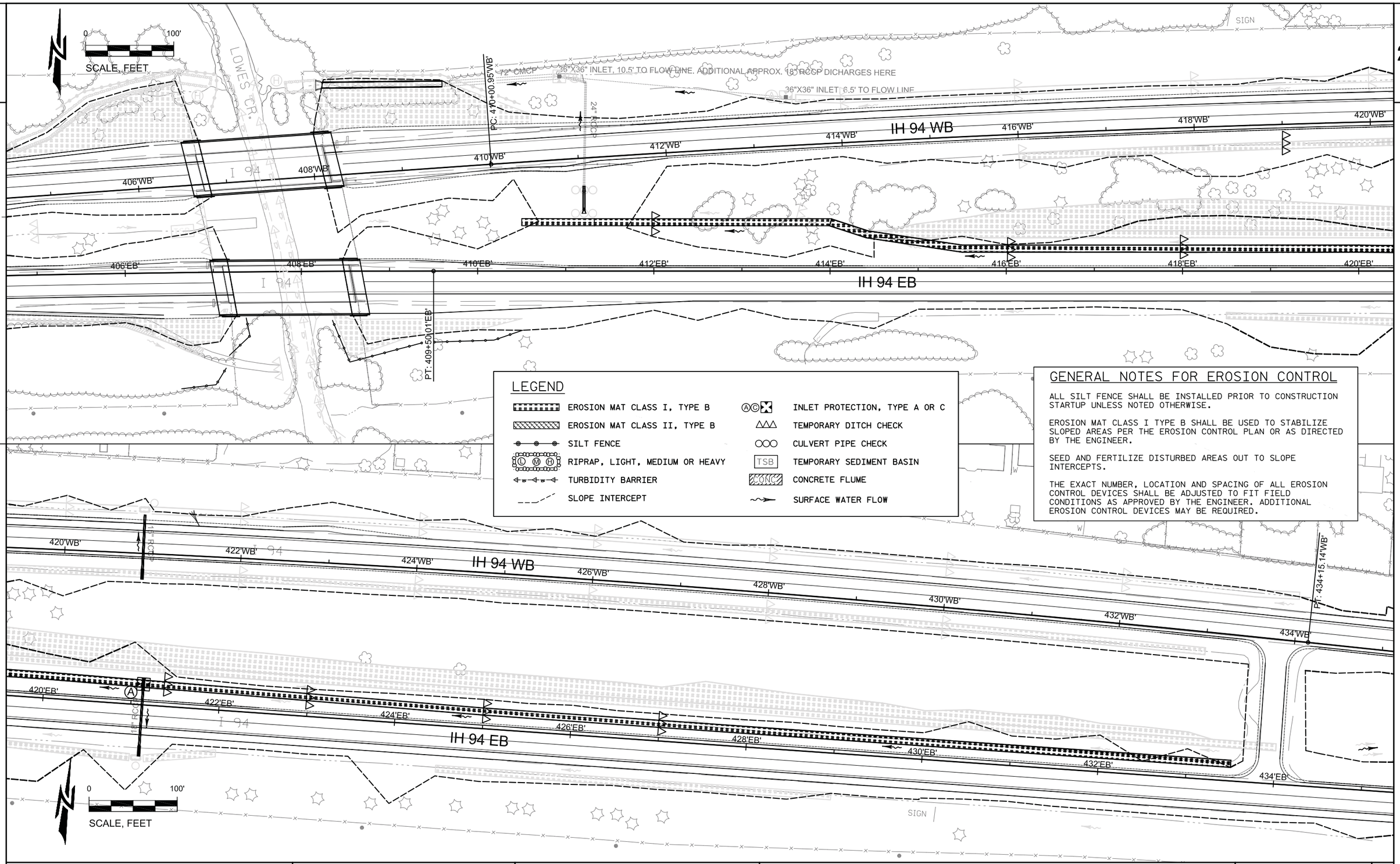
EROSION MAT CLASS I TYPE B SHALL BE USED TO STABILIZE SLOPED AREAS PER THE EROSION CONTROL PLAN OR AS DIRECTED BY THE ENGINEER.

SEED AND FERTILIZE DISTURBED AREAS OUT TO SLOPE INTERCEPTS.

THE EXACT NUMBER, LOCATION AND SPACING OF ALL EROSION CONTROL DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER. ADDITIONAL EROSION CONTROL DEVICES MAY BE REQUIRED.

PROJECT NO: 1022-08-73	HWY: IH-94	COUNTY: EAU CLAIRE	EROSION CONTROL - STAGE 6	SHEET 88	E

2



PROJECT NO: 1022-08-73	HWY: IH-94	COUNTY: EAU CLAIRE	EROSION CONTROL - STAGE 6	SHEET 89	E

GENERAL NOTES FOR EROSION CONTROL

ALL SILT FENCE SHALL BE INSTALLED PRIOR TO CONSTRUCTION STARTUP UNLESS NOTED OTHERWISE.

EROSION MAT CLASS I TYPE B SHALL BE USED TO STABILIZE SLOPED AREAS PER THE EROSION CONTROL PLAN OR AS DIRECTED BY THE ENGINEER.

SEED AND FERTILIZE DISTURBED AREAS OUT TO SLOPE INTERCEPTS.

THE EXACT NUMBER, LOCATION AND SPACING OF ALL EROSION CONTROL DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER. ADDITIONAL EROSION CONTROL DEVICES MAY BE REQUIRED.

LEGEND

- EROSION MAT CLASS I, TYPE B
- EROSION MAT CLASS II, TYPE B
- SILT FENCE
- (L) (M) (H) RIPRAP, LIGHT, MEDIUM OR HEAVY
- TURBIDITY BARRIER
- SLOPE INTERCEPT
- SURFACE WATER FLOW
- (A)(C) INLET PROTECTION TYPE A OR C
- TEMPORARY DITCH CHECK
- CULVERT PIPE DITCH CHECK
- TSB TEMPORARY SEDIMENT BASIN
- ASPH ASPHALTIC FLUME
- CONC CONCRETE SURFACE DRAIN

0 100' SCALE, FEET

IH 94 WB
436'WB' 438'WB' 440'WB' 442'WB' 444'WB' 445'E' 446'E' 446'WB' 448'E' 448'WB' 450'E' 450'WB'

IH 94 EB
436'EB' 438'EB' 440'EB' 442'EB' 444'EB' 446'EB' 448'EB' 449'H' 450'EB' 450'H'

36" RCP

SIGN

0 100' SCALE, FEET

IH 94 WB
450'E' 452'E' 454'E' 456'E' 458'E' 460'E' 462'E' 464'E' 450'WB' 452'WB' 454'WB' 456'WB' 458'WB' 460'WB' 462'WB' 464'WB'

IH 94 EB
450'EB' 452'EB' 454'EB' 456'EB' 458'EB' 460'EB' 462'EB' 464'EB' 450'H' 452'H' 454'H' 456'H' 458'H' 460'H'

STH 93 RAMP 'E'

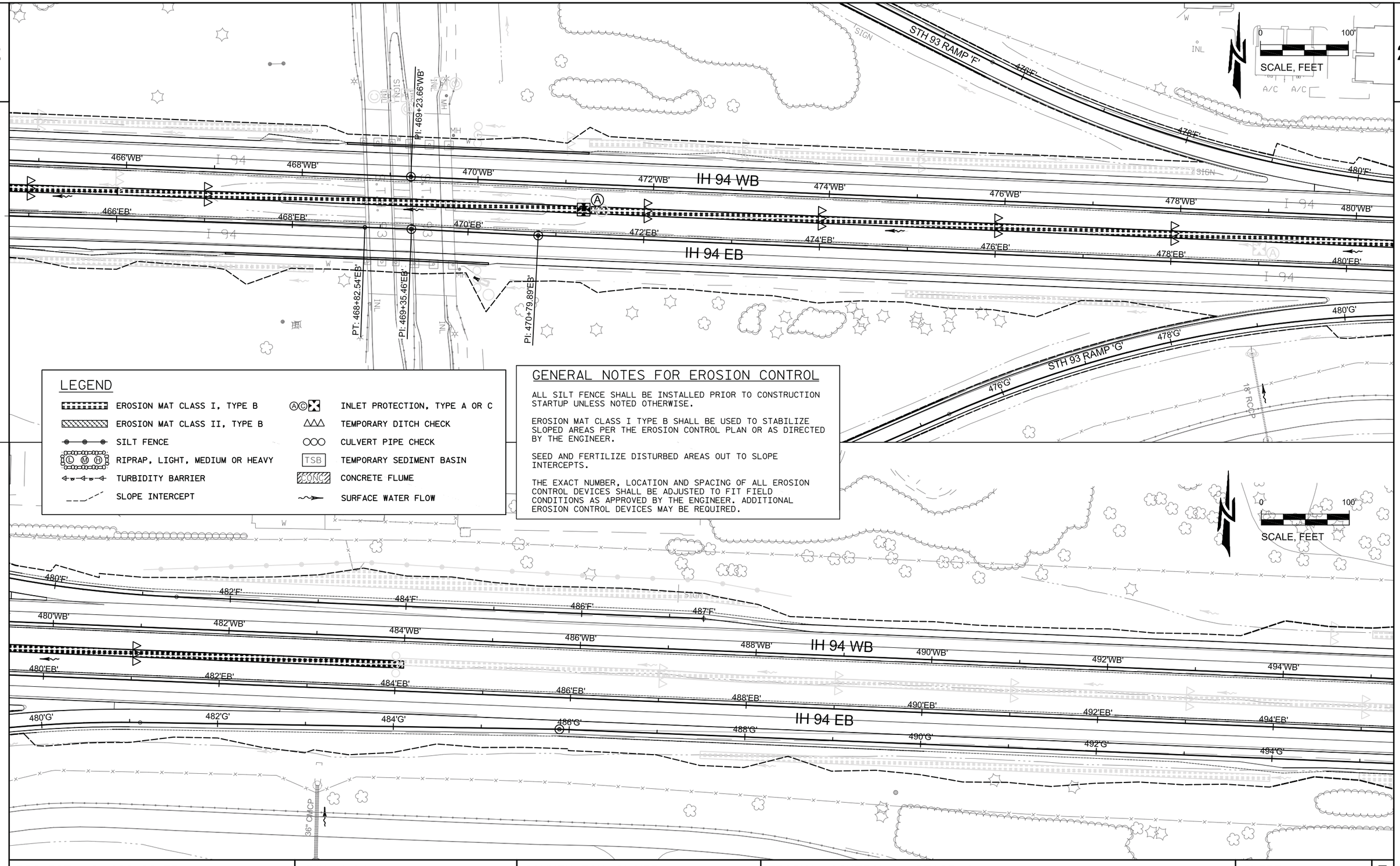
18" RCP

STH 93 RAMP 'H'

PC: 457+09.58 EB'

PROJECT NO: 1022-08-73	HWY: IH-94	COUNTY: EAU CLAIRE	EROSION CONTROL - STAGE 6	SHEET 90	E

2



LEGEND

- EROSION MAT CLASS I, TYPE B
- EROSION MAT CLASS II, TYPE B
- SILT FENCE
- RIPRAP, LIGHT, MEDIUM OR HEAVY
- TURBIDITY BARRIER
- SLOPE INTERCEPT
- INLET PROTECTION, TYPE A OR C
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- TEMPORARY SEDIMENT BASIN (TSB)
- CONCRETE FLUME (CONC)
- SURFACE WATER FLOW

GENERAL NOTES FOR EROSION CONTROL

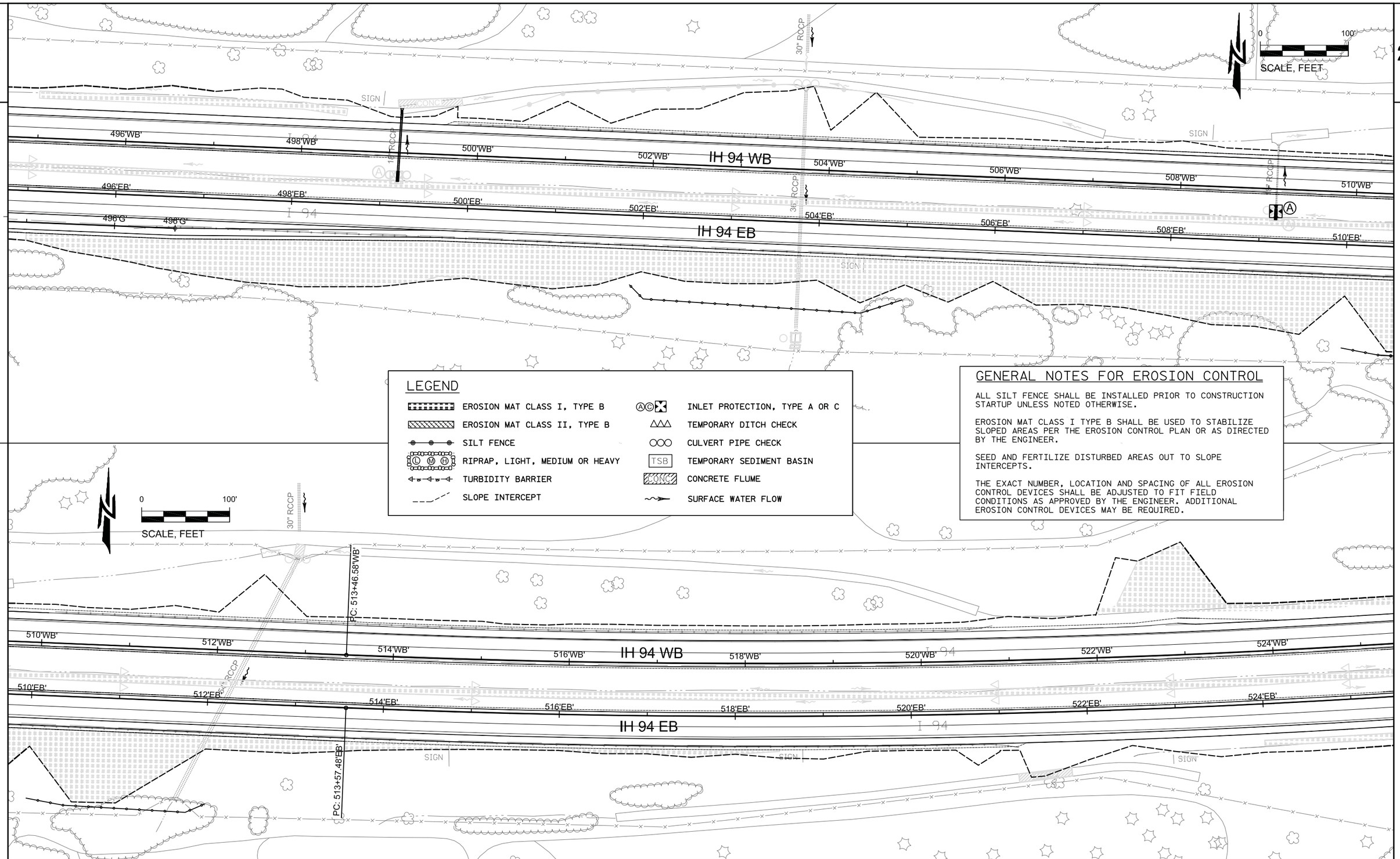
ALL SILT FENCE SHALL BE INSTALLED PRIOR TO CONSTRUCTION STARTUP UNLESS NOTED OTHERWISE.

EROSION MAT CLASS I TYPE B SHALL BE USED TO STABILIZE SLOPED AREAS PER THE EROSION CONTROL PLAN OR AS DIRECTED BY THE ENGINEER.

SEED AND FERTILIZE DISTURBED AREAS OUT TO SLOPE INTERCEPTS.

THE EXACT NUMBER, LOCATION AND SPACING OF ALL EROSION CONTROL DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER. ADDITIONAL EROSION CONTROL DEVICES MAY BE REQUIRED.

PROJECT NO: 1022-08-73	HWY: IH-94	COUNTY: EAU CLAIRE	EROSION CONTROL - STAGE 6	SHEET 91	E



LEGEND

- EROSION MAT CLASS I, TYPE B
- EROSION MAT CLASS II, TYPE B
- SILT FENCE
- RIPRAP, LIGHT, MEDIUM OR HEAVY
- TURBIDITY BARRIER
- SLOPE INTERCEPT
- INLET PROTECTION, TYPE A OR C
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- TSB — TEMPORARY SEDIMENT BASIN
- CONCRETE FLUME
- SURFACE WATER FLOW

GENERAL NOTES FOR EROSION CONTROL

ALL SILT FENCE SHALL BE INSTALLED PRIOR TO CONSTRUCTION STARTUP UNLESS NOTED OTHERWISE.

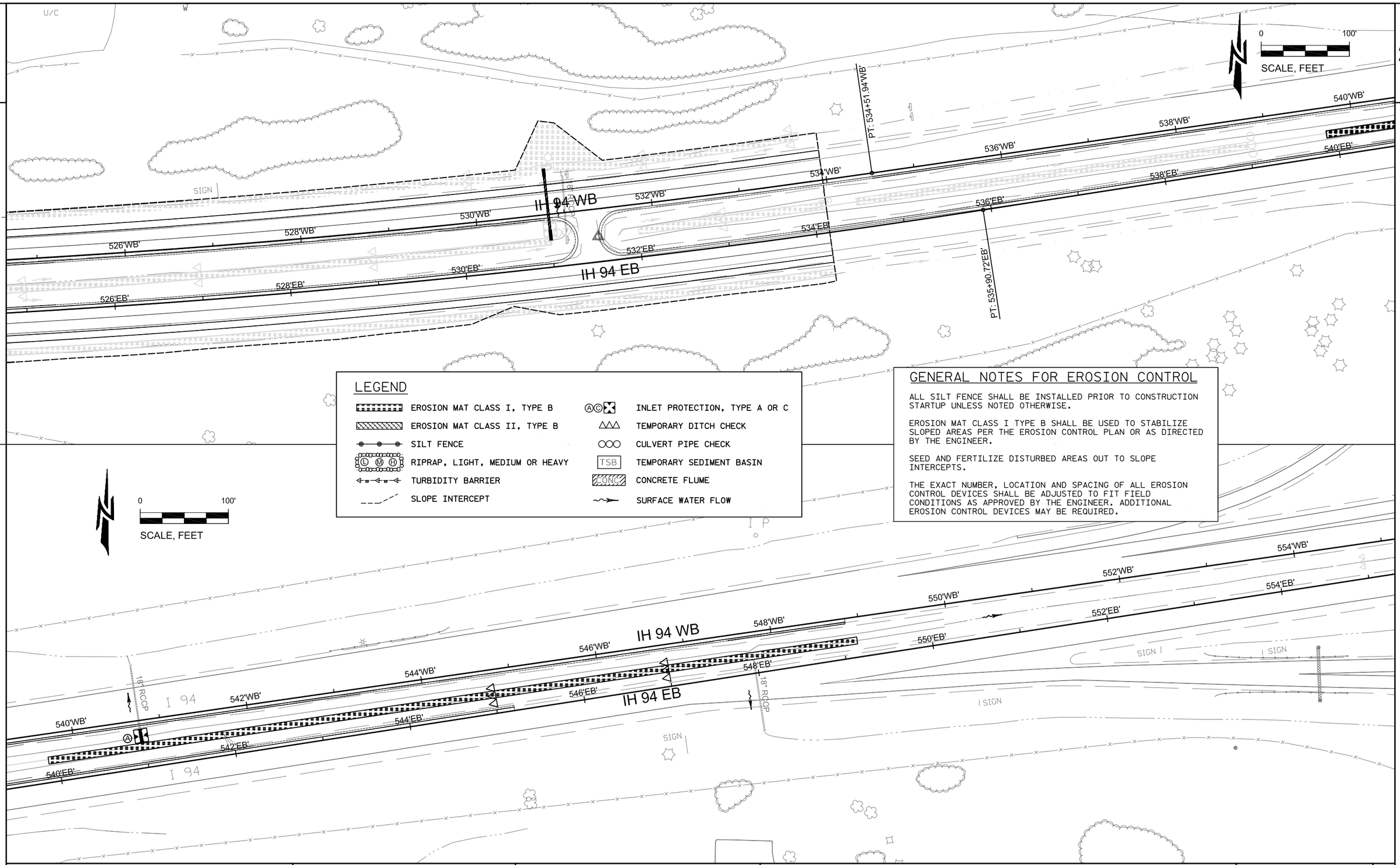
EROSION MAT CLASS I TYPE B SHALL BE USED TO STABILIZE SLOPED AREAS PER THE EROSION CONTROL PLAN OR AS DIRECTED BY THE ENGINEER.

SEED AND FERTILIZE DISTURBED AREAS OUT TO SLOPE INTERCEPTS.

THE EXACT NUMBER, LOCATION AND SPACING OF ALL EROSION CONTROL DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER. ADDITIONAL EROSION CONTROL DEVICES MAY BE REQUIRED.

PROJECT NO: 1022-08-73	HWY: IH-94	COUNTY: EAU CLAIRE	EROSION CONTROL - STAGE 6	SHEET 92	E

2



PROJECT NO: 1022-08-73	HWY: IH-94	COUNTY: EAU CLAIRE	EROSION CONTROL - STAGE 6	SHEET 93	E

2

2

STH 37 NB - STA. 13+50.4 LT
EXTEND 3 - 48" X 9' RCCP
EXTEND 1 - 24" X 9' RCCP
4 CONCRETE COLLARS REQ'D

STH 37 NB STA. 13+50.4 LT
CONCRETE MASONRY ENDWALL REQ'D

STH 37 NB STA. 13+50.4 81.5' LT
REMOVE MASONRY

N

STH 37 SB

13'SB' 14'SB' 15'SB' 16'SB' 17'SB' 18'SB' 19'SB'

13'NB' 14'NB' 15'NB' 16'NB' 17'NB' 18'NB' 19'NB'

STH 37 NB

PT: 18+93.15'NB'

STRUCTURE - (41)
STA:13+50.1 OFF:-14.4L
SALVAGE AND ADJUST INLET COVER
RIM:777.40

PROJECT NO:1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	PLAN: STH 37 STORM SEWER	SHEET 94	E

2

2

STRUCTURE - (86)
INLET TYPE 2x3-FT-HM
STA:21+11.0 OFF:-29.5L
RIM:789.36
INV IN:785.46
INV OUT:785.46

STRUCTURE - (87)
INLET TYPE 2x3-FT-HM
STA:21+14.2 OFF:1.5R
RIM:789.93
INV IN:785.55

STRUCTURE - (36)
MANHOLE 5-FT DIA.-J SPECIAL
STA:24+45.2 OFF:-17.7L
RIM:792.22
INV IN:787.67
INV OUT:787.67

STRUCTURE - (83)
INLET TYPE 2x3-FT-HM
STA:24+64.1 OFF:-38.5L
RIM:792.39
INV OUT:788.34

STH 37 SB

21'SB' 22'SB' 23'SB' 24'SB' 25'SB' 26'SB'

@ -1.00%
15 LF
18" SSPRC CL III

@ -1.00%
9 LF
18" SSPRC CL III

17 LF
18" SSPRC CL IV
@ 1.00%

@ 2.00%
25 LF
18" SSPRC CL IV

STRUCTURE - (85)
INLET TYPE 2x3-FT-HM
STA:21+11.0 OFF:-14.5L
RIM:789.60
INV IN:785.31
INV OUT:785.31

STRUCTURE - (35)
INLET TYPE 2x3-FT-HM
STA:24+61.4 OFF:-13.6L
RIM:791.94
INV IN:787.84
INV OUT:787.84

21'NB' 22'NB' 23'NB' 25'NB' 26'NB'

@ -1.00%
13 LF
18" SSPRC CL III

STH 37 NB

STRUCTURE - (84)
INLET TYPE 2.5x3-FT-HM
STA:21+11.0 OFF:-1.5L
RIM:789.85
INV IN:785.18
INV OUT:785.18

@ -1.00%
58 LF
18" SSPRC CL III

107 LF 18" SSPRC CL IV
@ 1.00%

265'C'

278'D'

'D' RAMP

STRUCTURE - (89)
APRON ENDWALL
REINFORCED CONCRETE 18-INCH
STA:21+11.0; 56.3R
INV OUT:784.60

STRUCTURE - (64)
INLET TYPE 2x3-FT-H
STA:265+26.4 OFF:-16.5L
RIM:791.92
INV IN:788.67

STRUCTURE - (37)
APRON ENDWALL
REINFORCED CONCRETE 18-INCH
STA:25+04.6; 71.6R
INV IN:786.60

STRUCTURE - (63)
INLET TYPE 2x3-FT-H
STA:277+34.5 OFF:-18.5L
RIM:791.22
INV IN:781.58
INV OUT:785.69

50 LF
18" SSPRC CL III
@ -8.00%

STRUCTURE - (61)
APRON ENDWALL
REINFORCED CONCRETE 24-INCH
STA:277+34.2; 30.2R
INV OUT:785.94

EXISTING 118 LF 24" CPRC

@ 8.95%
15 LF
24" SSPRC CL IV

@ 8.95%
34 LF
24" SSPRC CL IV

NOTE:

APRON ENDWALL STATIONS, OFFSETS AND INVERT ELEVATIONS ARE TO THE END OF THE BARREL SECTION AS SHOWN BY DISTANCE 'C' IN SDD 8 F 1-11 (APRON ENDWALLS FOR CULVERT PIPE).

STRUCTURE - (45)
EXISTING APRON ENDWALL TO REMAIN
REINFORCED CONCRETE 24-INCH
STA:265+76.8 OFF:92.6R
INV OUT:771.03

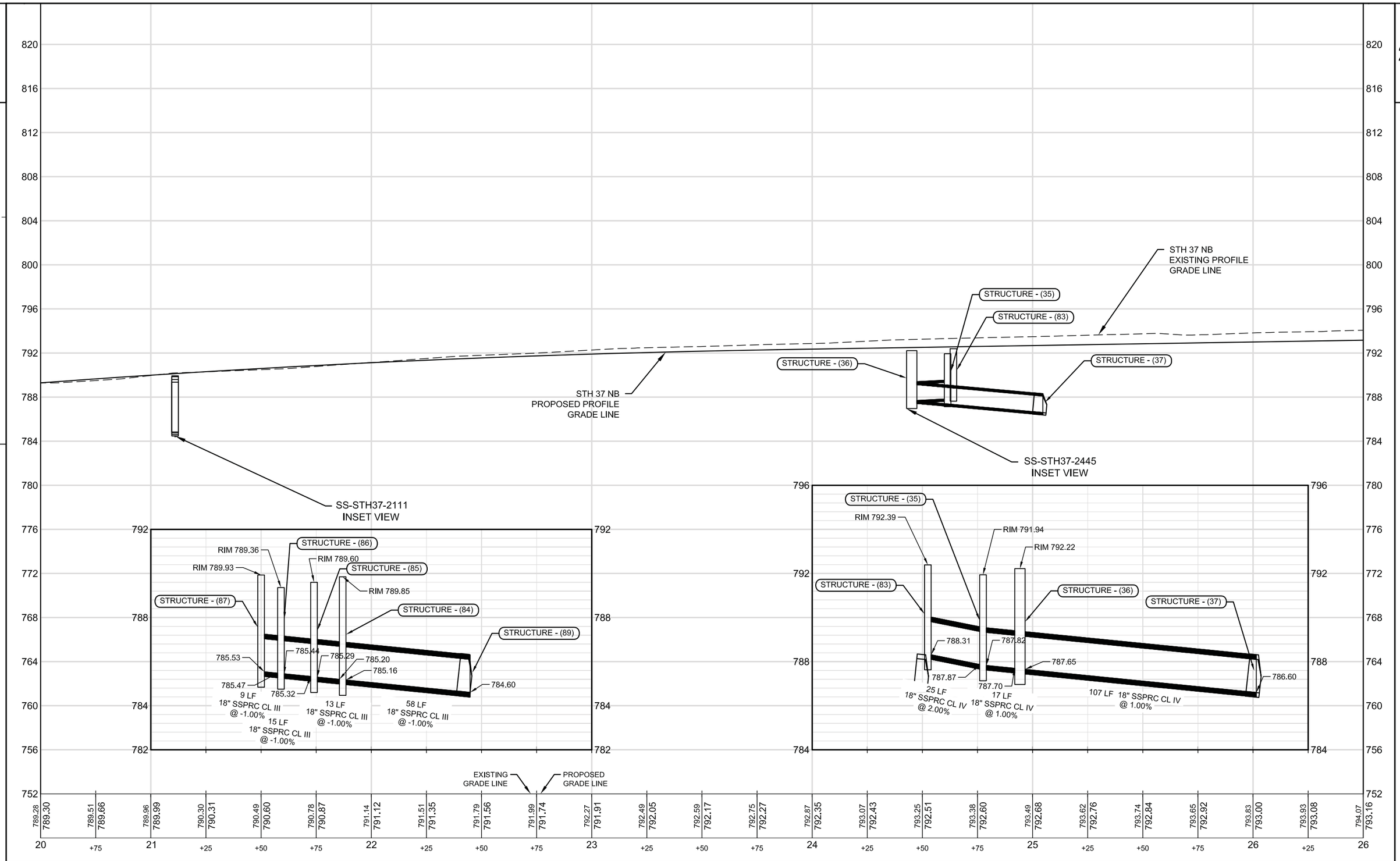
266'C'

277'D'

'C' RAMP

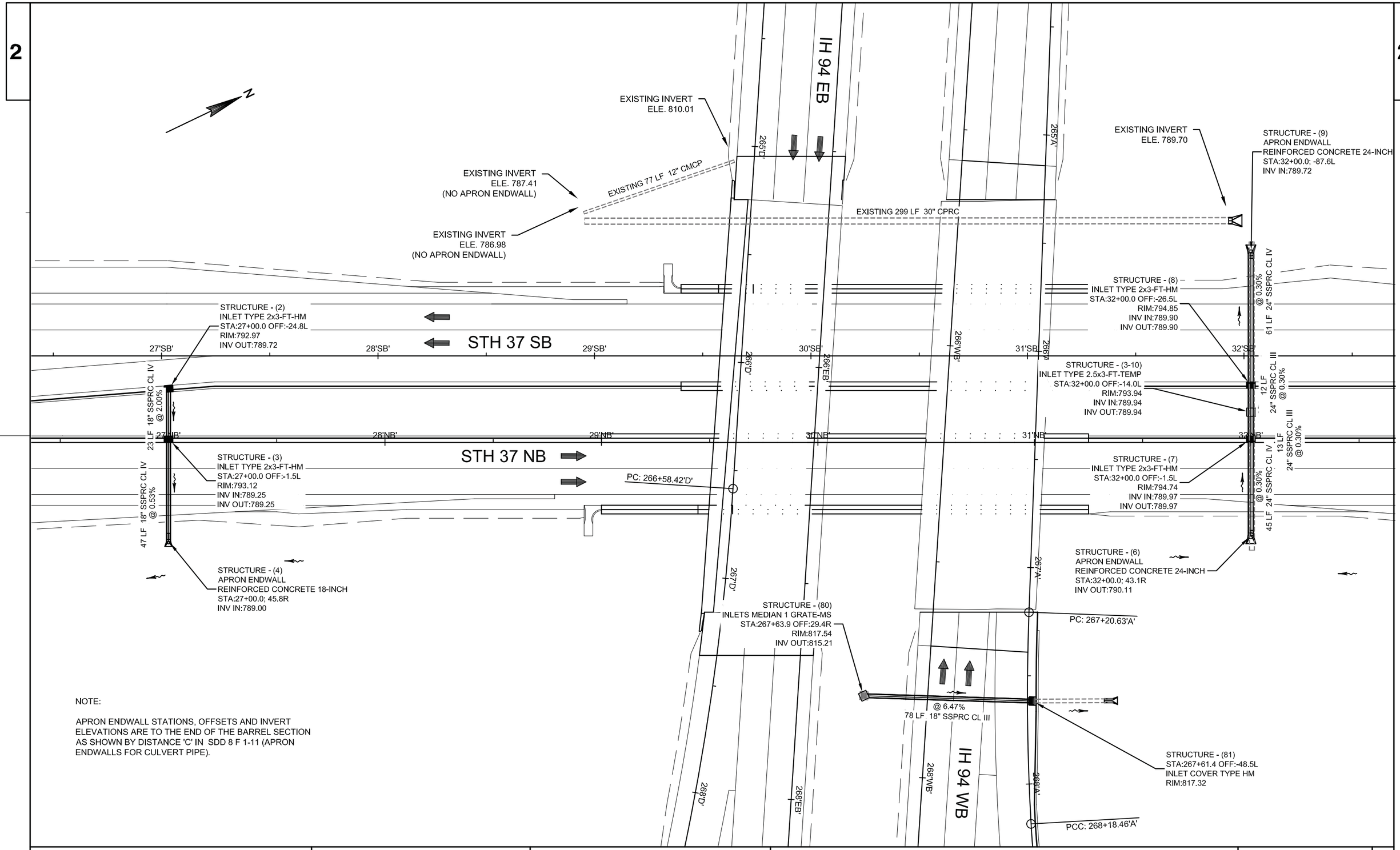
STRUCTURE - (62)
INLET TYPE 2x3-FT-H
STA:277+34.3 OFF:15.5R
RIM:790.54
INV IN:784.62
INV OUT:784.62

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	PLAN: STH 37 STORM SEWER	SHEET 95	E



PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	STORM SEWER - PROFILE VIEW	SHEET 96	E

2



NOTE:

APRON ENDWALL STATIONS, OFFSETS AND INVERT ELEVATIONS ARE TO THE END OF THE BARREL SECTION AS SHOWN BY DISTANCE 'C' IN SDD 8 F 1-11 (APRON ENDWALLS FOR CULVERT PIPE).

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	PLAN: STH 37 STORM SEWER	SHEET 97	E

STH 37 NB
EXISTING PROFILE
GRADE LINE

STH 37 NB
PROPOSED PROFILE
GRADE LINE

SS-STH37-2700
INSET VIEW

SS-STH37-3200
INSET VIEW

RIM 792.97
RIM 793.12
STRUCTURE - (2)
STRUCTURE - (3)
STRUCTURE - (4)
789.69
789.28
789.25
789.00
23 LF
18" SSPRC CL III
@ 2.00%
47 LF
18" SSPRC CL IV
@ 0.53%

STRUCTURE - (3-10)
RIM 794.85
RIM 794.74
STRUCTURE - (7)
STRUCTURE - (8)
STRUCTURE - (9)
STRUCTURE - (6)
790.68
789.94
789.97
789.90
789.89
789.98
789.93
790.11
789.72
61 LF 24" SSPRC CL IV
@ 0.30%
12 LF
24" SSPRC CL IV
@ 0.30%
13 LF
24" SSPRC CL IV
@ 0.30%
45 LF 24" SSPRC CL IV
@ 0.30%

EXISTING
GRADE LINE
PROPOSED
GRADE LINE

26	+75	27	+25	+50	+75	28	+25	+50	+75	29	+25	+50	+75	30	+25	+50	+75	31	+25	+50	+75	32	+25	32
794.07	793.16	794.17	793.24	794.31	793.33	794.38	793.41	794.57	793.49	794.79	793.57	794.93	793.65	795.04	793.73	795.15	793.81	795.31	793.89	795.47	793.97	795.62	794.06	795.76	794.14	795.91	794.22	796.07	794.30	796.23	794.38	796.35	794.46	796.39	794.54	796.43	794.62	796.50	794.70	796.61	794.79	796.73	794.87	796.85	794.95	796.97	795.03	797.11	795.13

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	STORM SEWER - PROFILE VIEW	SHEET 98	E

2

2

STRUCTURE - (10)
APRON ENDWALL
REINFORCED CONCRETE 18-INCH
STA:36+40.6; -89.2L
INV OUT:792.39

STRUCTURE - (12)
APRON ENDWALL
REINFORCED CONCRETE 30-INCH
STA:37+15.6; -85.7L
INV IN:792.78

STRUCTURE - (42)
STA:40+00.3 OFF:-18.4L
ADJUST INLET COVER TYPE 8-MS
REPLACE BROKEN COVER
RIM:800.12
INV OUT:796.93

N

STRUCTURE - (91)
INLET TYPE 2x3-FT-HM
STA:36+40.6 OFF:-38.5L
RIM:797.59
INV IN:792.90
INV OUT:792.90

51 LF 18" SSPRC CL IV @ -1.01%

71 LF 30" SSPRC CL III @ 0.30%

STH 37 SB

34'SB' 35'SB' 36'SB' 37'SB' 38'SB' 39'SB' 40'SB'

@ -0.83% 28 LF 18" SSPRC CL IV

STRUCTURE - (11)
INLET TYPE 2x3-FT-HM
STA:36+40.7 OFF:-10.7L
RIM:797.20
INV IN:793.13

STRUCTURE - (3-9)
MANHOLE 5-FT DIA.-TEMP
STA:37+15.6 OFF:-14.8L

34'NB' 35'NB' 36'NB' 37'NB' 39'NB' 40'NB'

STH 37 NB

71 LF 30" CPRC CL IV @ 0.30%

STRUCTURE - (28)
INLET TYPE 2x3-FT-H
STA:264+39.0 OFF:16.5R
RIM:796.95
INV OUT:793.54

15 LF 18" SSPRC CL III @ -0.50%

278'A'

@ -0.50% 43 LF 18" SSPRC CL IV

@ 0.50% 28 LF 18" SSPRC CL III

STRUCTURE - (25)
APRON ENDWALL
REINFORCED CONCRETE 18-INCH
STA:277+86.9; -32.5L
INV OUT:793.12

STRUCTURE - (26)
INLET TYPE 2x3-FT-HM
STA:277+94.4 OFF:-20.1L
RIM:796.10
INV IN:793.19
INV OUT:793.19

STRUCTURE - (68)
INLET TYPE 2x2.5-FT-H
STA:277+76.1 OFF:18.4R
RIM:796.80
INV IN:793.40
INV OUT:793.40

STRUCTURE - (13)
APRON ENDWALL
REINFORCED CONCRETE 30-INCH
STA:37+15.6; 56.0R
INV OUT:793.20

265'B'

'A' RAMP

'B' RAMP

NOTE:

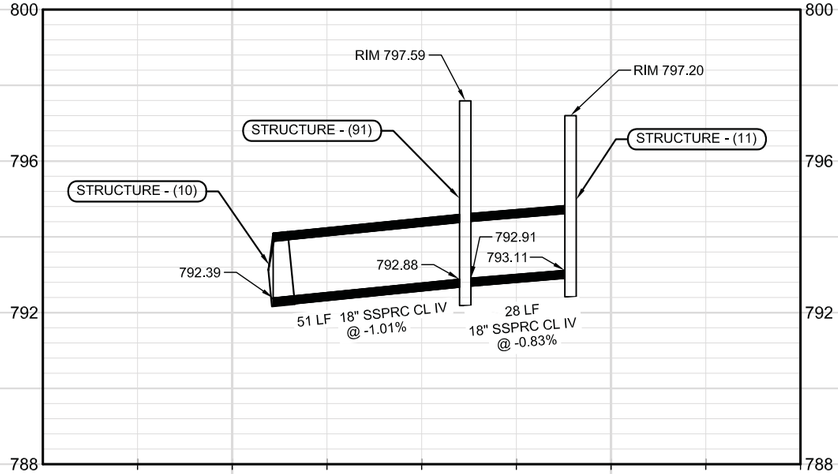
APRON ENDWALL STATIONS, OFFSETS AND INVERT ELEVATIONS ARE TO THE END OF THE BARREL SECTION AS SHOWN BY DISTANCE 'C' IN SDD 8 F 1-11 (APRON ENDWALLS FOR CULVERT PIPE).

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	PLAN: STH 37 STORM SEWER	SHEET 99	E

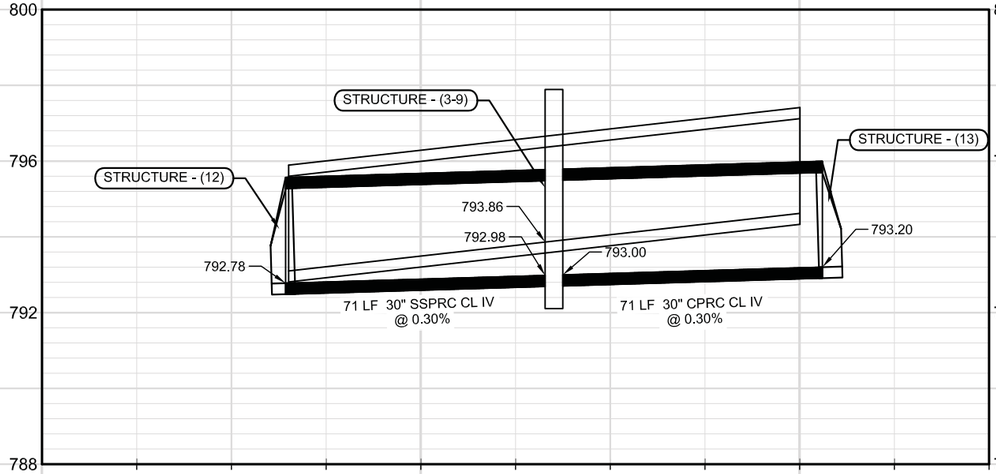
STH 37 NB
EXISTING PROFILE
GRADE LINE

STH 37 NB
PROPOSED PROFILE
GRADE LINE

SS-STH37-3640
INSET VIEW



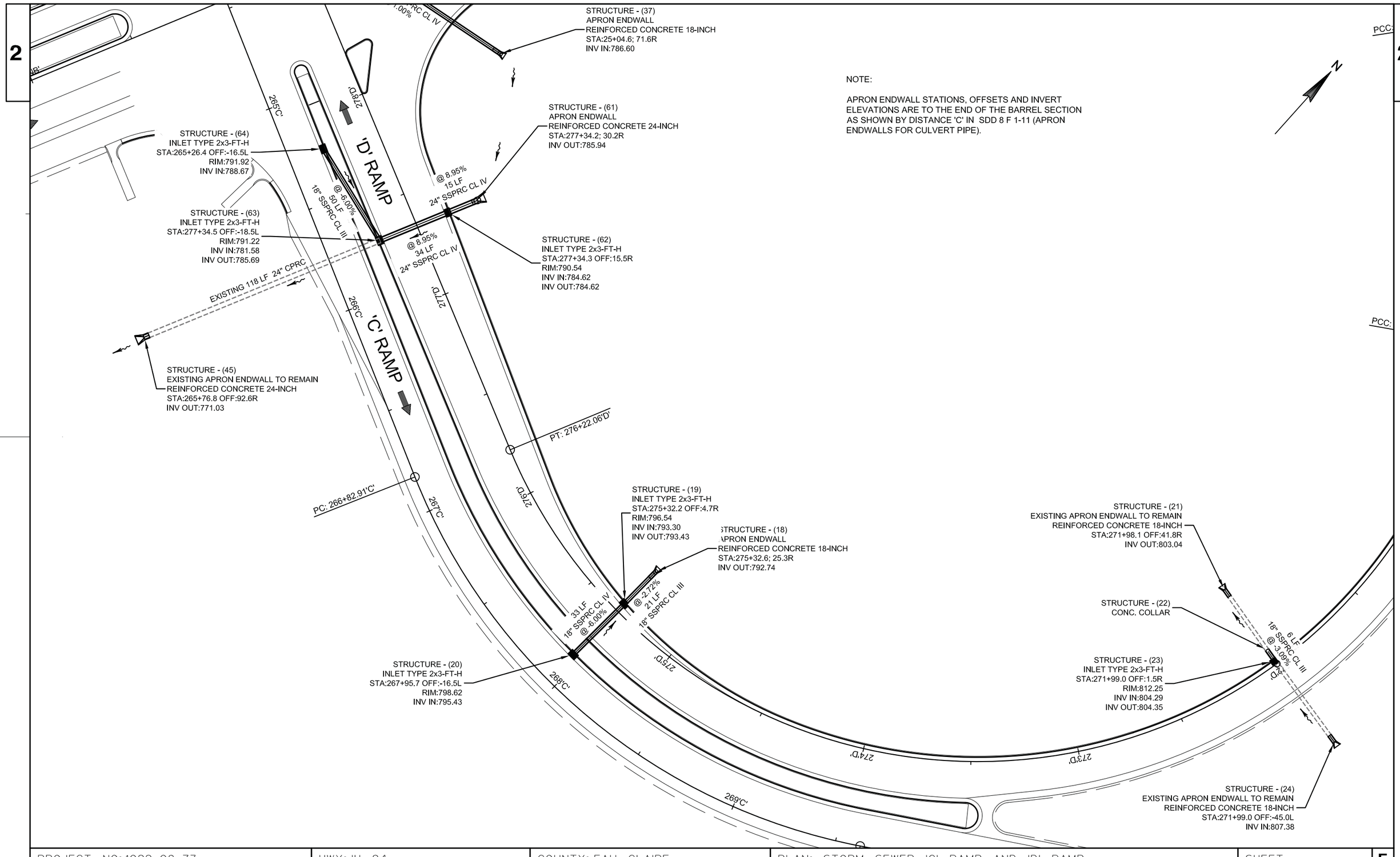
SS-STH37-3715
INSET VIEW



EXISTING GRADE LINE

PROPOSED GRADE LINE

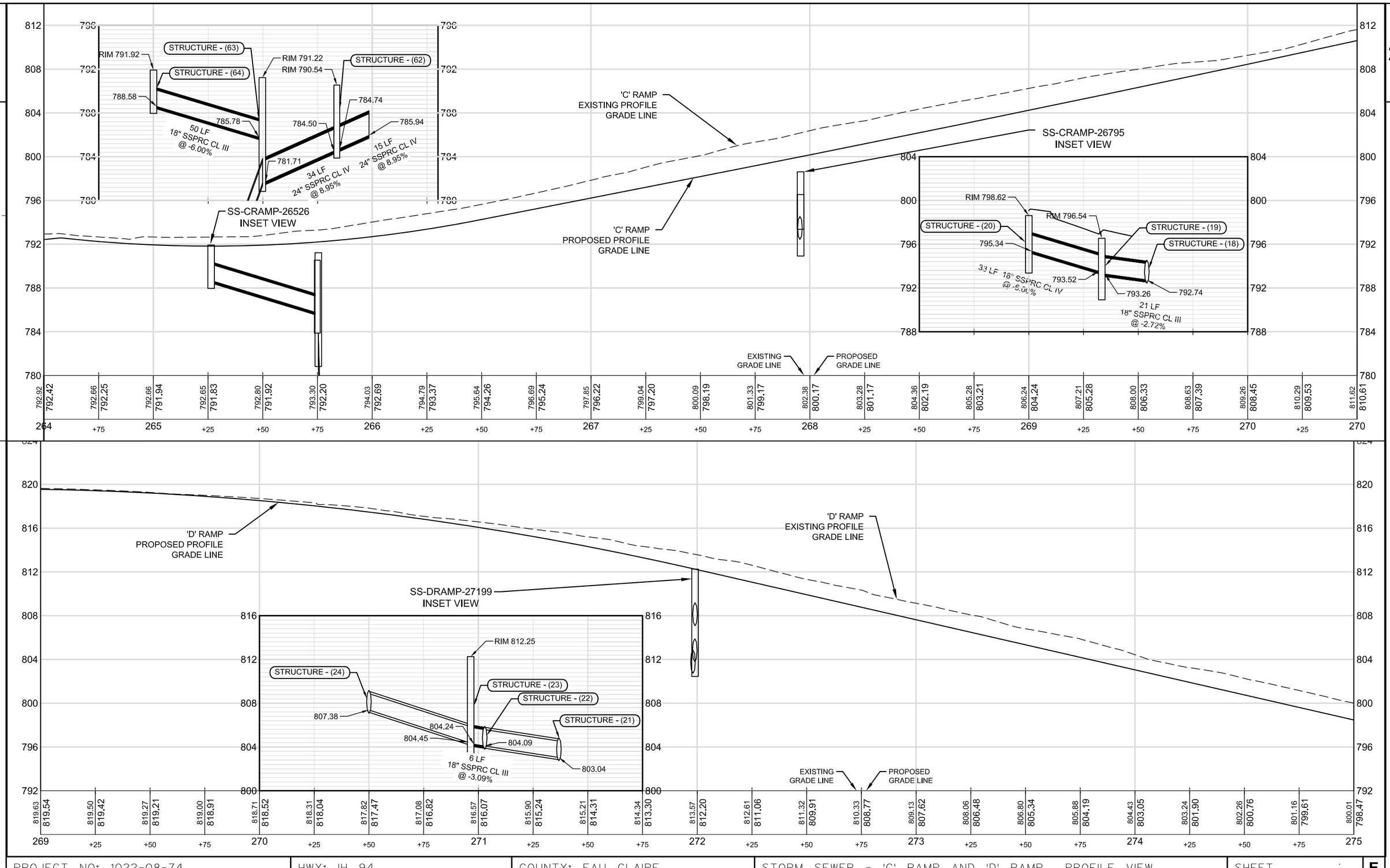
| | | |



NOTE:

APRON ENDWALL STATIONS, OFFSETS AND INVERT ELEVATIONS ARE TO THE END OF THE BARREL SECTION AS SHOWN BY DISTANCE 'C' IN SDD 8 F 1-11 (APRON ENDWALLS FOR CULVERT PIPE).

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	PLAN: STORM SEWER 'C' RAMP AND 'D' RAMP	SHEET 101	E



PROJECT NO: 1022-08-74	HWY: IH 94	COUNTY: EAU CLAIRE	STORM SEWER - 'C' RAMP AND 'D' RAMP PROFILE VIEW	SHEET 102	E

FILE NAME : W:\NWBE_PROJECTS\DESIGN\1029_I94\C3D_12\1029_FINAL_STH37_STORM.DWG PLOT DATE : 3/7/2013 4:26 PM PLOT BY : GARY COLBERT PLOT NAME : ---------- PLOT SCALE : ********

2

NOTE:

APRON ENDWALL STATIONS, OFFSETS AND INVERT ELEVATIONS ARE TO THE END OF THE BARREL SECTION AS SHOWN BY DISTANCE 'C' IN SDD 8 F 1-11 (APRON ENDWALLS FOR CULVERT PIPE).

N

STH 37 NB

SB

35'SB'

35'NB'

36'SB'

STRUCTURE - (10)
APRON ENDWALL
REINFORCED CONCRETE 18-INCH
STA:36+40.6; -89.2L
INV OUT:792.39

STRUCTURE - (25)
APRON ENDWALL
REINFORCED CONCRETE 18-INCH
STA:277+86.9; -32.5L
INV OUT:793.12

STRUCTURE - (26)
INLET TYPE 2x3-FT-HM
STA:277+94.4 OFF:-20.1L
RIM:796.10
INV IN:793.19
INV OUT:793.19

15 LF 18" SSPRC CL III @ -0.50%

STRUCTURE - (11)
INLET TYPE 2x3-FT-HM
STA:36+40.7 OFF:-10.7L
RIM:797.20
INV IN:793.13

51 LF 18" SSPRC CL IV @ -1.01%

STRUCTURE - (91)
INLET TYPE 2x3-FT-HM
STA:36+40.6 OFF:-38.5L
RIM:797.59
INV IN:792.90
INV OUT:792.90

278'A'

43 LF 18" SSPRC CL IV @ 0.30%

STRUCTURE - (28)
INLET TYPE 2x3-FT-H
STA:264+39.0 OFF:16.5R
RIM:796.95
INV OUT:793.54

@ 0.50%
28 LF
18" SSPRC CL III

@ -0.83%
28 LF
18" SSPRC CL IV

'A' RAMP

'B' RAMP

277'A'

PT: 276+14.91'A'

276'A'

265'B'

STRUCTURE - (68)
INLET TYPE 2x2.5-FT-H
STA:277+76.1 OFF:18.4R
RIM:796.80
INV IN:793.40
INV IN:793.40

37'SB'

71 LF 30" SSPRC CL III @ 0.30%

STRUCTURE - (12)
APRON ENDWALL
REINFORCED CONCRETE 30-INCH
STA:37+15.6; -85.7L
INV IN:792.78

37'NB'

71 LF 30" CPRC CL IV @ 0.30%

STRUCTURE - (31)
APRON ENDWALL
REINFORCED CONCRETE 18-INCH
STA:274+60.5; -32.5L
INV OUT:800.76

@ -1.00%
31 LF 18" SSPRC CL III

STRUCTURE - (32)
INLET TYPE 2x3-FT-H
STA:274+60.4 OFF:-1.8L
RIM:805.53
INV IN:801.07
INV OUT:801.07

275'A'

@ -5.66%
31 LF 18" SSPRC CL IV

STRUCTURE - (3-9)
MANHOLE 5-FT DIA.-TEMP
STA:37+15.6 OFF:-14.8L

38'SB'

38'NB'

STRUCTURE - (13)
APRON ENDWALL
REINFORCED CONCRETE 30-INCH
STA:37+15.6; 56.0R
INV OUT:793.20

PC: 266+28.20'B'

STRUCTURE - (34)
INLET TYPE 2x3-FT-H
STA:268+11.0 OFF:16.5R
RIM:809.01
INV IN:802.85

39'SB'

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	PLAN: STORM SEWER 'A' RAMP AND 'B' RAMP	SHEET 103	E

2

IH 94 WB

268'WB'

270'EB'

270'WB'

78 LF 18" SSPRC CL III @ 6.47%

PC: 267+20.63'A'

267'A'

PCC: 268+18.46'A'

268'A'

270'A'

PCC: 270+31.19'A'

271'A'

31'NB'

STRUCTURE - (3-10)
INLET TYPE 2.5x3-FT-TEMP
STA:32+00.0 OFF:-14.0L
RIM:793.94
INV IN:789.94
INV OUT:789.94

STRUCTURE - (8)
INLET TYPE 2x3-FT-HM
STA:32+00.0 OFF:-26.5L
RIM:794.85
INV IN:789.90
INV OUT:789.90

STRUCTURE - (7)
INLET TYPE 2x3-FT-HM
STA:32+00.0 OFF:-1.5L
RIM:794.74
INV IN:789.97
INV OUT:789.97

32'SB'

61 LF 24" SSPRC CL IV @ 0.30%

12 LF 24" SSPRC CL III @ 0.30%

STRUCTURE - (6)
APRON ENDWALL
REINFORCED CONCRETE 24-INCH
STA:32+00.0; 43.1R
INV OUT:790.11

45 LF 24" SSPRC CL IV @ 0.30%

13 LF 24" SSPRC CL III @ 0.30%

STRUCTURE - (81)
STA:267+61.4 OFF:-48.5L
INLET COVER TYPE HM
RIM:817.32

33'SB'

33'NB'

EXISTING 43 LF 24" CPRC

EXISTING 53 LF 24" CPRC

STRUCTURE - (38)
EXISTING APRON ENDWALL TO REMAIN
REINFORCED CONCRETE 18-INCH
STA:271+10.9 OFF:41.1R
INV OUT:813.31

STRUCTURE - (40)
EXISTING APRON ENDWALL TO REMAIN
REINFORCED CONCRETE 18-INCH
STA:271+10.2 OFF:-54.2L
INV IN:804.84

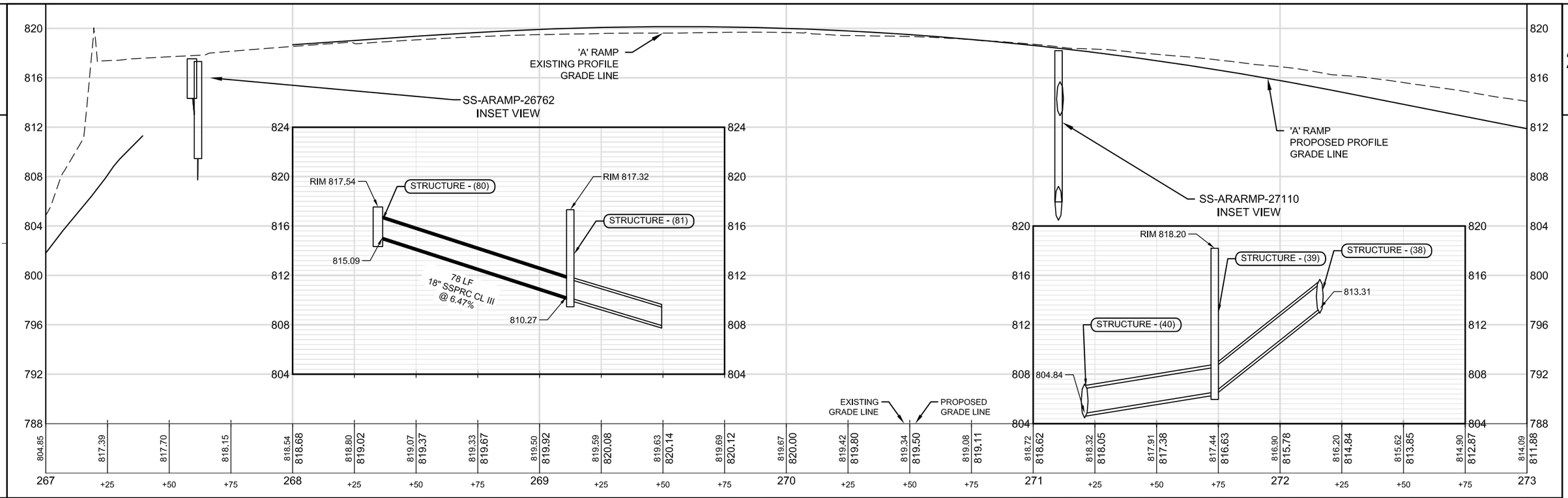
STRUCTURE - (39)
STA:271+10.2 OFF:-1.5L
INLET COVER TYPE H
RIM:818.20

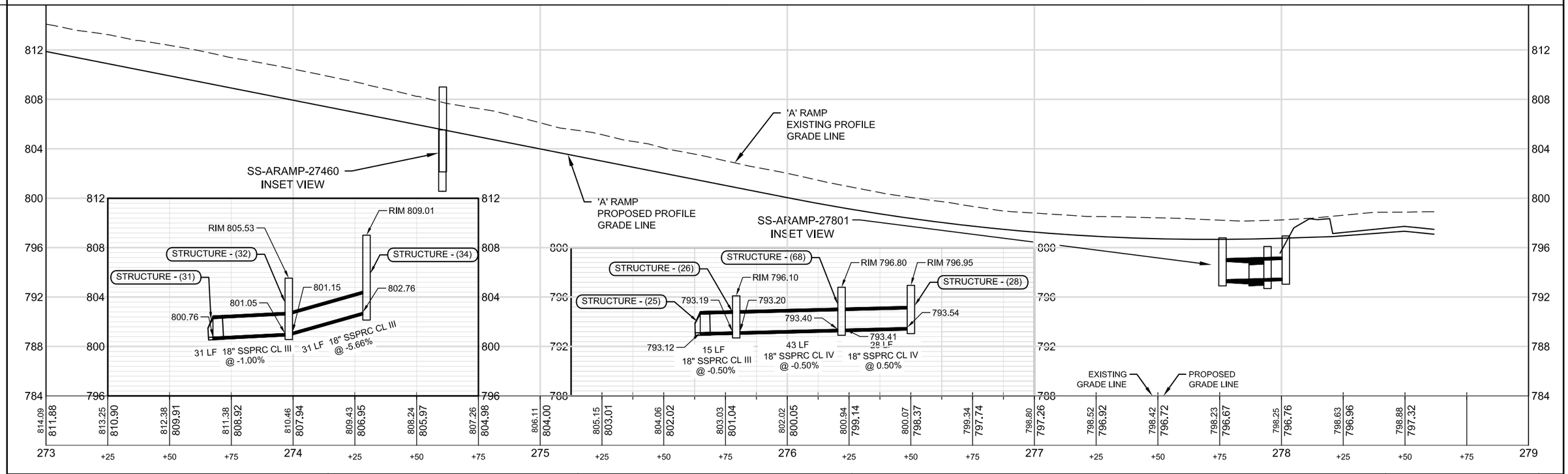
N

NOTE:

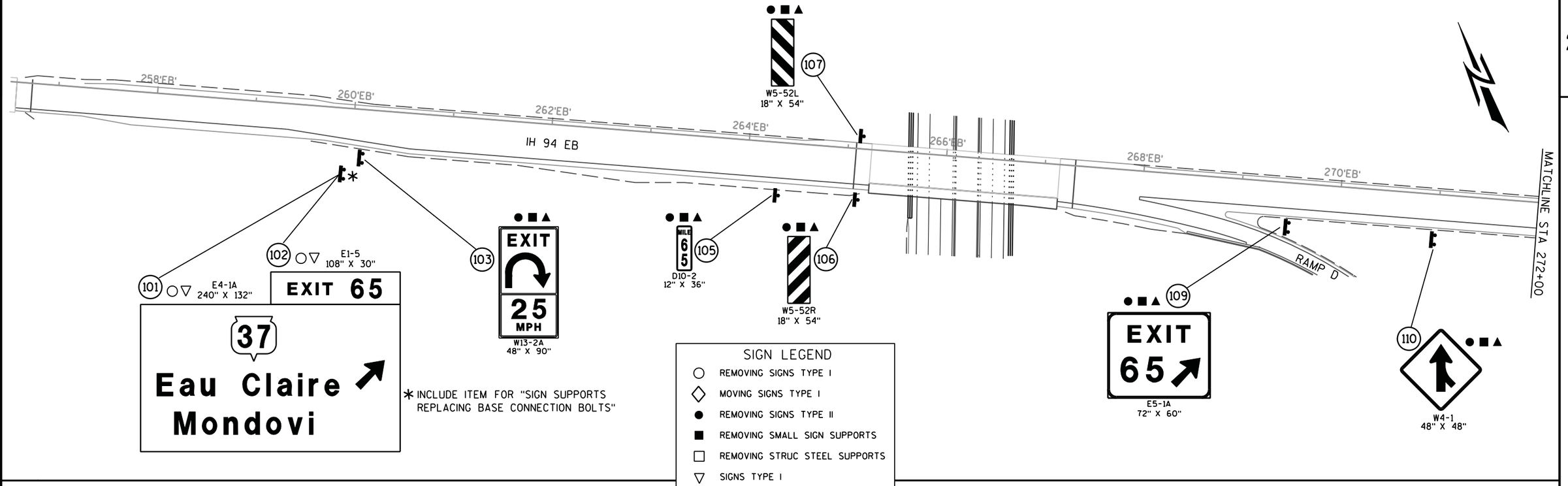
APRON ENDWALL STATIONS, OFFSETS AND INVERT ELEVATIONS ARE TO THE END OF THE BARREL SECTION AS SHOWN BY DISTANCE 'C' IN SDD 8 F 1-11 (APRON ENDWALLS FOR CULVERT PIPE).

PROJECT NO:1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	PLAN: STORM SEWER 'A' RAMP AND 'B' RAMP	SHEET 104	E





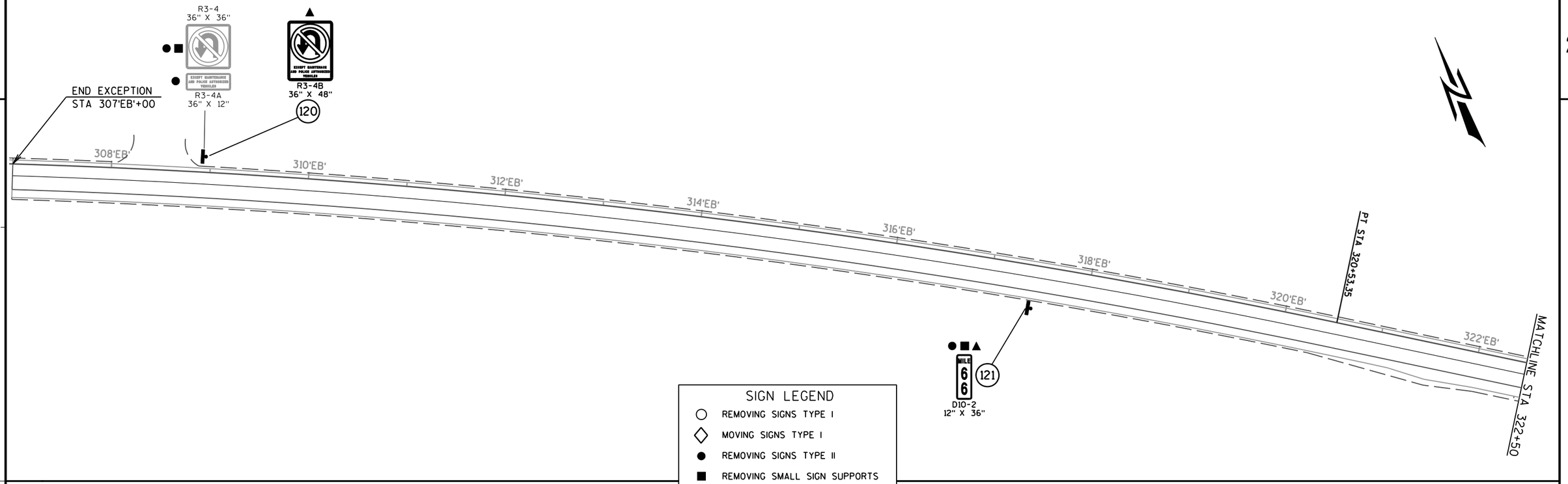
PROJECT NO: 1022-08-73	HWY: IH-94	COUNTY: EAU CLAIRE	STORM SEWER - 'A' RAMP PROFILE VIEW	SHEET 105	E



PROJECT NO: 1022-08-73	HWY: IH 94 EASTBOUND	COUNTY: EAU CLAIRE	PERMANENT SIGNING	SHEET	E

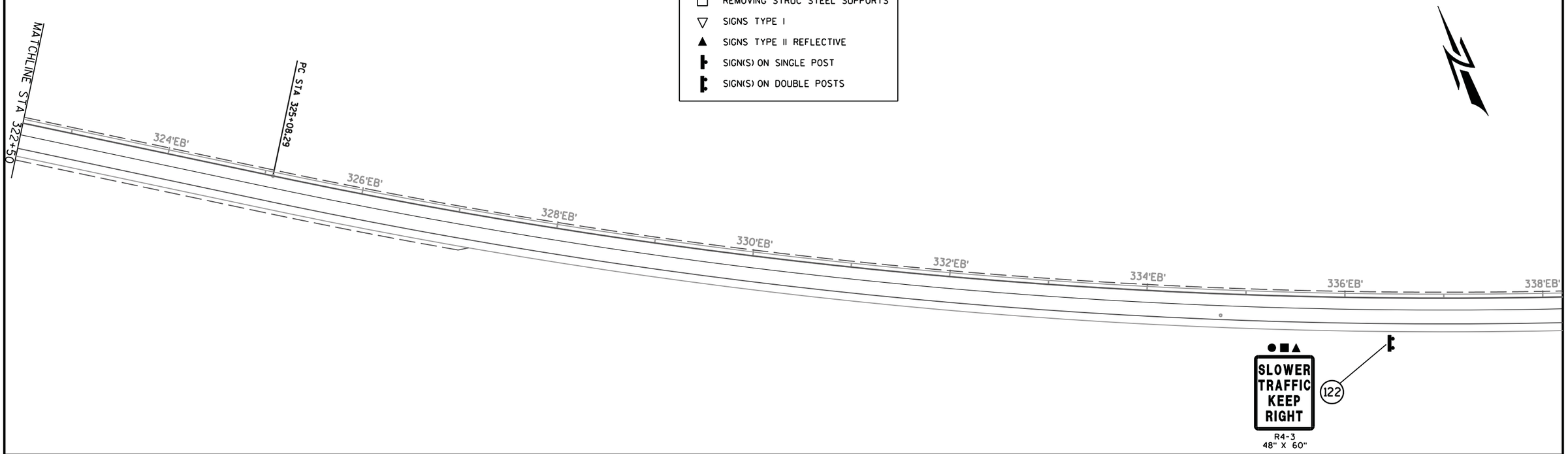
FILE NAME : D:\NWBE PROJECTS\1029 I-94 CH2MHill\Signing\10220803 _ps1_EB.DGN PLOT DATE : 1/15/2013 PLOT BY : NWBE PLOT NAME : PLOT SCALE : N/A
WISDOT/CADDS SHEET 42

2



SIGN LEGEND

- ○ REMOVING SIGNS TYPE I
- ◇ MOVING SIGNS TYPE I
- ● REMOVING SIGNS TYPE II
- ■ REMOVING SMALL SIGN SUPPORTS
- □ REMOVING STRUC STEEL SUPPORTS
- ▽ SIGNS TYPE I
- ▲ SIGNS TYPE II REFLECTIVE
- ⊢ SIGN(S) ON SINGLE POST
- ⊢⊢ SIGN(S) ON DOUBLE POSTS

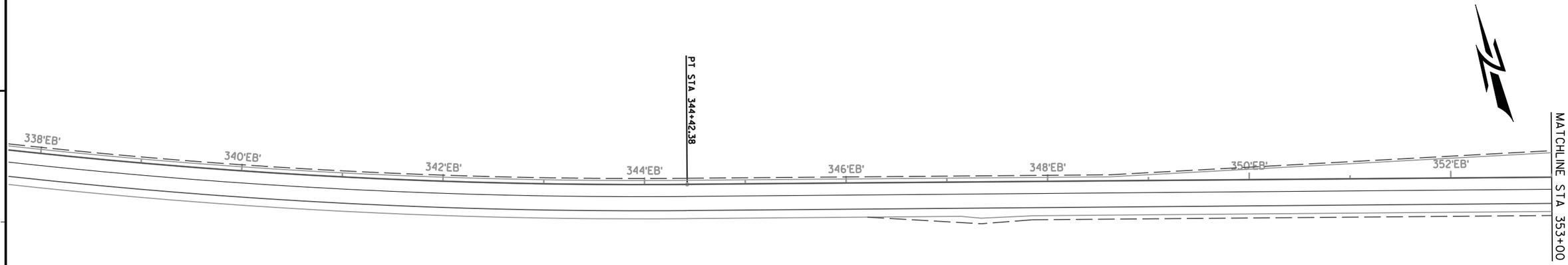


PROJECT NO: 1022-08-73	HWY: IH 94 EASTBOUND	COUNTY: EAU CLAIRE	PERMANENT SIGNING	SHEET	E

FILE NAME : D:\NWBE PROJECTS\1029 I-94 CH2MHill\Signing\10220803 _ps2_EB.dgn PLOT DATE : 1/12/2013 PLOT BY : NWBE PLOT NAME : PLOT SCALE : N/A

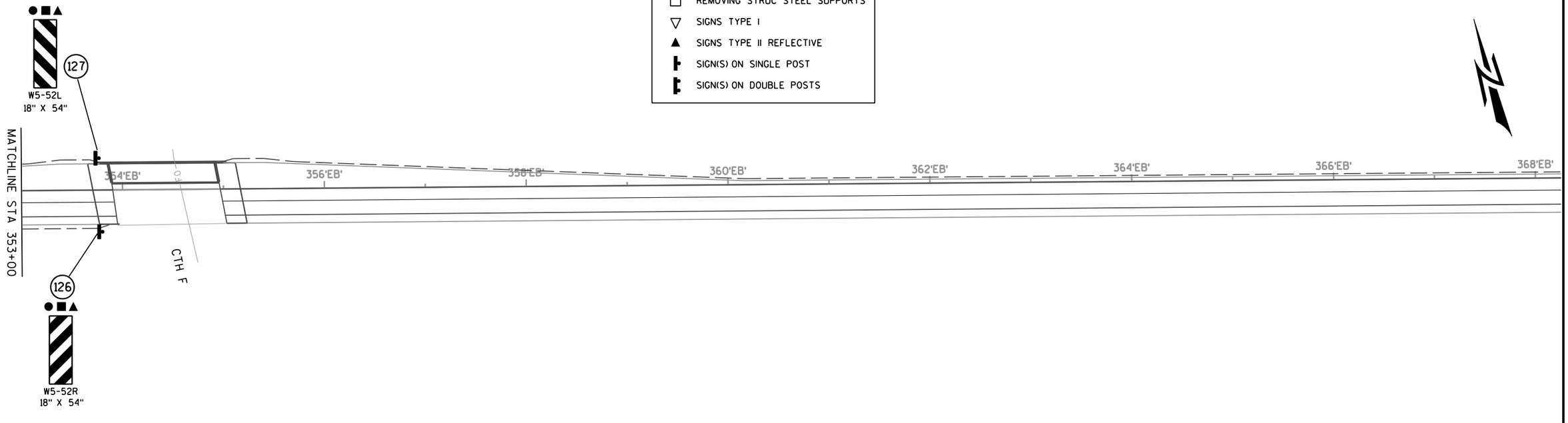
WISDOT/CADDS SHEET 42

2

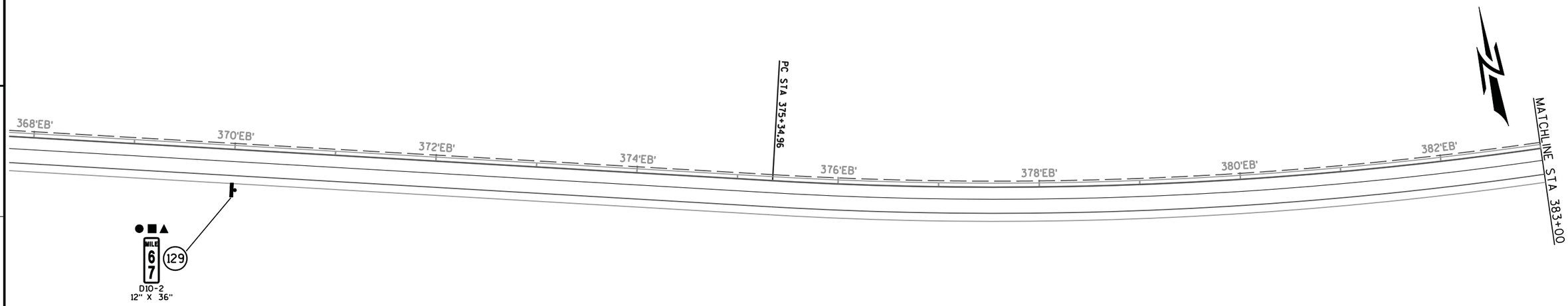


SIGN LEGEND

- ○ REMOVING SIGNS TYPE I
- ◇ MOVING SIGNS TYPE I
- ● REMOVING SIGNS TYPE II
- ■ REMOVING SMALL SIGN SUPPORTS
- □ REMOVING STRUC STEEL SUPPORTS
- ▽ SIGNS TYPE I
- ▲ SIGNS TYPE II REFLECTIVE
- SIGN(S) ON SINGLE POST
- SIGN(S) ON DOUBLE POSTS



PROJECT NO: 1022-08-73	HWY: IH 94 EASTBOUND	COUNTY: EAU CLAIRE	PERMANENT SIGNING	SHEET 108	E



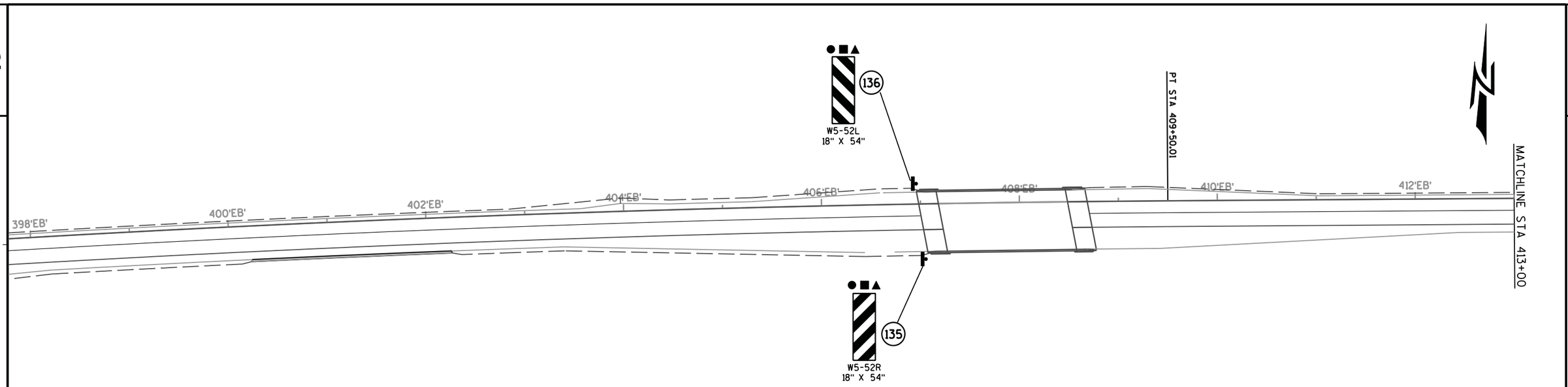
2

SIGN LEGEND

- REMOVING SIGNS TYPE I
- MOVING SIGNS TYPE I
- REMOVING SIGNS TYPE II
- REMOVING SMALL SIGN SUPPORTS
- REMOVING STRUC STEEL SUPPORTS
- SIGNS TYPE I
- SIGNS TYPE II REFLECTIVE
- SIGN(S) ON SINGLE POST
- SIGN(S) ON DOUBLE POSTS

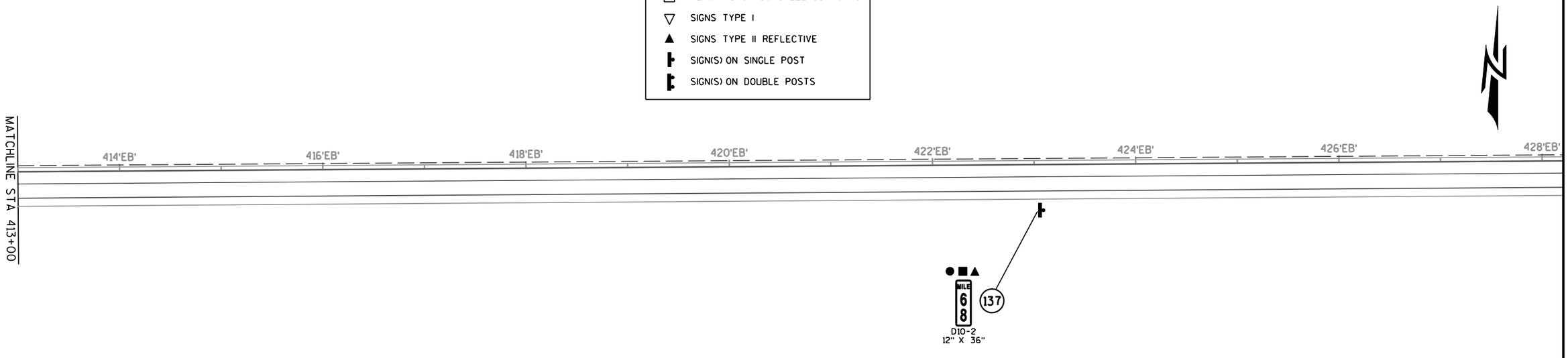


PROJECT NO: 1022-08-73	HWY: IH 94 EASTBOUND	COUNTY: EAU CLAIRE	PERMANENT SIGNING	SHEET 109	E

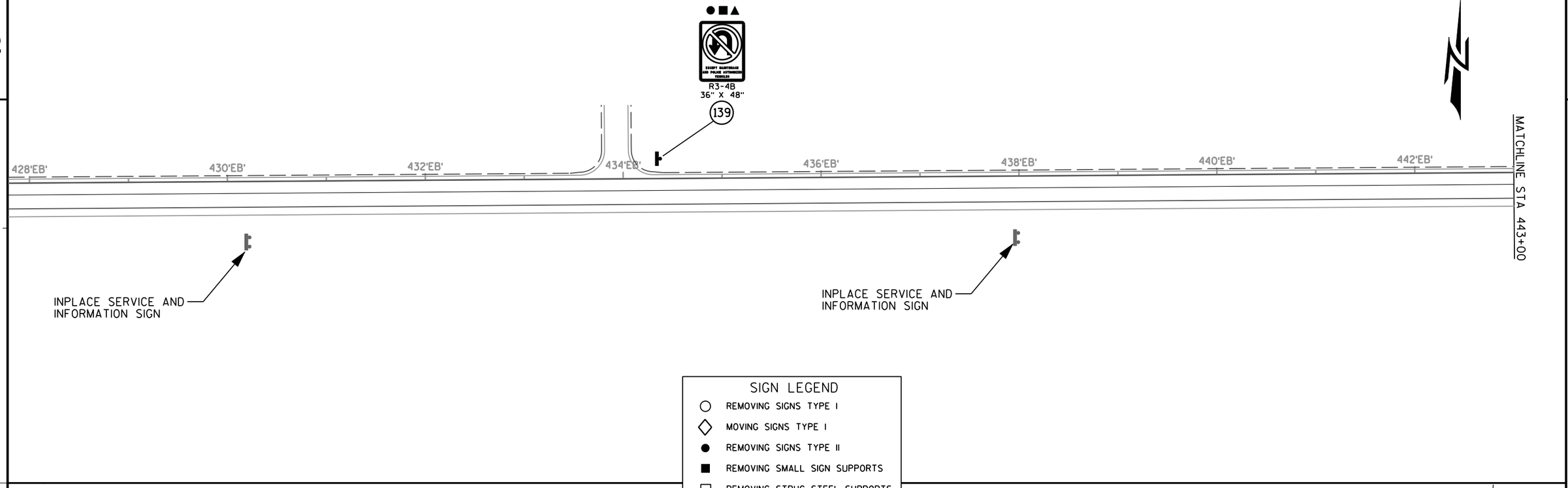


SIGN LEGEND

- ○ REMOVING SIGNS TYPE I
- ◇ MOVING SIGNS TYPE I
- ● REMOVING SIGNS TYPE II
- ■ REMOVING SMALL SIGN SUPPORTS
- □ REMOVING STRUC STEEL SUPPORTS
- ▽ SIGNS TYPE I
- ▲ SIGNS TYPE II REFLECTIVE
- SIGN(S) ON SINGLE POST
- SIGN(S) ON DOUBLE POSTS



PROJECT NO: 1022-08-73	HWY: IH 94 EASTBOUND	COUNTY: EAU CLAIRE	PERMANENT SIGNING	SHEET 110	E



PROJECT NO: 1022-08-73	HWY: IH 94 EASTBOUND	COUNTY: EAU CLAIRE	PERMANENT SIGNING	SHEET 111	E

FILE NAME : D:\NWBE PROJECTS\1029 I-94 CH2MHill\Signing\10220803 _ps6_EB.DGN PLOT DATE : 1/12/2013 PLOT BY : NWBE PLOT NAME : PLOT SCALE : N/A

2

PT STA 469+22.80

460'EB' 462'EB' 464'EB' 466'EB' 468'EB' 470'EB' 472'EB'

IH 94 EB

460'H 462'H RAMP H 464'H 466'H 468'H

STH 93

472'G RAMP G 470'G 470'H 468'G 470'H

145 W3-3 48" X 48"

147 D1-2 78" X 30" ← Eau Claire / Eleva →

148 WRONG WAY R5-1A 42" X 30"

INPLACE SERVICE AND INFORMATION SIGN

149 WRONG WAY R5-1A 42" X 30"

150 NORTH 93 / SOUTH 93 J3-2 48" X 57"

151 DO NOT ENTER R5-1 36" X 36"

INPLACE SERVICE AND INFORMATION SIGN

FOLDING ▲ RAMP CLOSED ~~USE~~ ALT ROUTE R11-54F 48" X 30" 153

INPLACE EAST 94

158 PEDESTRIANS BICYCLES AND OTHERWISE TRAFFIC MOTOR BICYCLES PROHIBITED R5-57 36" X 36"

INPLACE EAST 94 ▲ FOLDING RAMP CLOSED ~~USE~~ ALT ROUTE R11-54F 48" X 30" 156

INPLACE EAST 94 ▲ FOLDING RAMP CLOSED ~~USE~~ ALT ROUTE R11-54F 48" X 30" 154

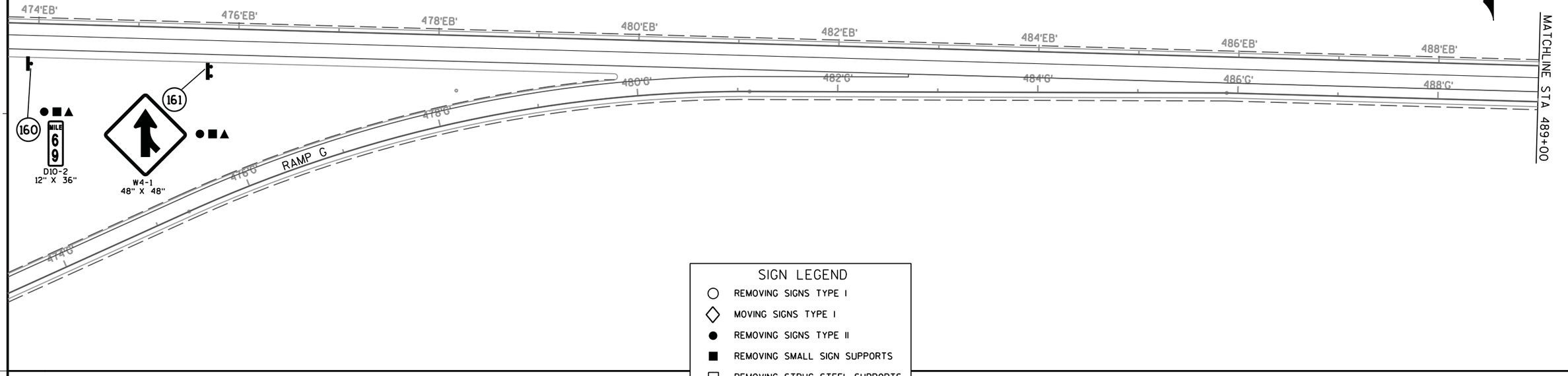
SIGN LEGEND

- ○ REMOVING SIGNS TYPE I
- ◇ MOVING SIGNS TYPE I
- ● REMOVING SIGNS TYPE II
- ■ REMOVING SMALL SIGN SUPPORTS
- □ REMOVING STRUC STEEL SUPPORTS
- ▽ SIGNS TYPE I
- ▲ SIGNS TYPE II REFLECTIVE
- SIGN(S) ON SINGLE POST
- SIGN(S) ON DOUBLE POSTS

PROJECT NO: 1022-08-73	HWY: IH 94 EB @ STH 93	COUNTY: EAU CLAIRE	PERMANENT SIGNING	SHEET	E

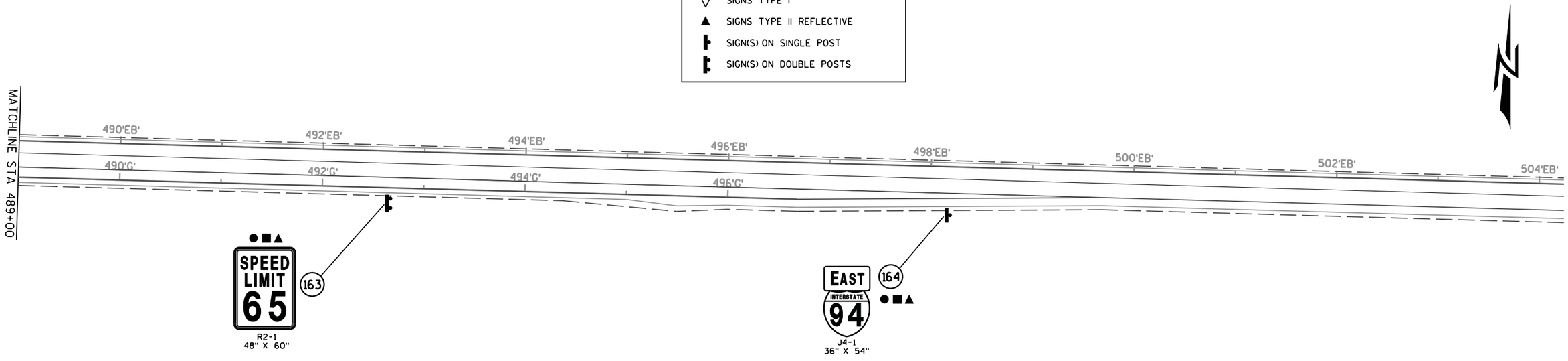
FILE NAME : D:\NWBE PROJECTS\1029 I-94 CH2MHill\Signing\10220803 _ps7_EB.DGN PLOT DATE : 1/18/2013 PLOT BY : NWBE PLOT NAME : PLOT SCALE : N/A

2



SIGN LEGEND

- REMOVING SIGNS TYPE I
- MOVING SIGNS TYPE I
- REMOVING SIGNS TYPE II
- REMOVING SMALL SIGN SUPPORTS
- REMOVING STRUC STEEL SUPPORTS
- SIGNS TYPE I
- SIGNS TYPE II REFLECTIVE
- SIGN(S) ON SINGLE POST
- SIGN(S) ON DOUBLE POSTS



PROJECT NO: 1022-08-73	HWY: IH 94 EASTBOUND	COUNTY: EAU CLAIRE	PERMANENT SIGNING	SHEET 113	E

2

504'EB' 506'EB' 508'EB' 510'EB' 512'EB' 514'EB' 516'EB' 518'EB'

PC STA 513+57.44

MATCHLINE STA 519+00

168 ○▽ E1-5 108" X 30"

EXIT 70

53

Eau Claire

3/4 MILE

NEXT EXIT 12 MILES

166 ○□▽ E2-1 156" X 24"

167 ○▽ E1-1A 192" X 126"

INCLUDE ITEM FOR "SIGN SUPPORTS STRUCTURAL STEEL HS"

170 ○□▽ SP-1 228" X 60"

INCLUDE ITEM FOR "SIGN SUPPORTS STRUCTURAL STEEL HS"

State Patrol Hdqrs

EXIT 70

SIGN LEGEND

- ○ REMOVING SIGNS TYPE I
- ◇ MOVING SIGNS TYPE I
- ● REMOVING SIGNS TYPE II
- ■ REMOVING SMALL SIGN SUPPORTS
- □ REMOVING STRUC STEEL SUPPORTS
- ▽ SIGNS TYPE I
- ▲ SIGNS TYPE II REFLECTIVE
- SIGN(S) ON SINGLE POST
- SIGN(S) ON DOUBLE POSTS

174 ●■▲ R3-4B 36" X 48"

EXCEPT MAINTENANCE AND POLICE AUTHORIZED VEHICLES

532'EB' 534'EB'

530'EB' 528'EB' 526'EB' 524'EB' 522'EB' 520'EB'

MATCHLINE STA 519+00

172 ○▽

Altoona

EXIT 70

Follow

53 North

E3-1 132" X 108"

173 ●■▲ MILE 70 D10-2 12" X 36"

PROJECT NO: 1022-08-73	HWY: IH 94 EASTBOUND	COUNTY: EAU CLAIRE	PERMANENT SIGNING	SHEET 114	E

2

W5-52R
18" X 54"
202

Chippewa River
I3-1
108" X 21"
203

WEST
INTERSTATE
94
J4-1
36" X 54"
204

MILE
65
D10-2
12" X 36"
205

W5-52R
18" X 54"
206

W5-52L
18" X 54"
201

W5-52L
18" X 54"
207

258'WB'
260'WB'
IH 94 WB
262'WB'
264'WB'
262'A'
264'A'
266'A'
266'WB'
268'A'
268'WB'
270'A'
270'WB'
RAMP A
STH 37 SB
STH 37 NB
MATCHLINE STA 272+00

SIGN LEGEND

- ○ REMOVING SIGNS TYPE I
- ◇ MOVING SIGNS TYPE I
- ● REMOVING SIGNS TYPE II
- ■ REMOVING SMALL SIGN SUPPORTS
- □ REMOVING STRUC STEEL SUPPORTS
- ▽ SIGNS TYPE I
- ▲ SIGNS TYPE II REFLECTIVE
- SIGN(S) ON SINGLE POST
- SIGN(S) ON DOUBLE POSTS

232
E1-5
108" X 30"

EXIT 65

37
Eau Claire
Mondovi

EXIT
30
MPH
W13-2A
48" X 90"
230

231
E4-1A
240" X 132"

INCLUDE ITEMS FOR "SIGN SUPPORTS STRUCTURAL STEEL HS" & "SIGN SUPPORTS REPLACING BASE CONNECTION BOLTS"

RAMP B
274'B'
276'B'
278'B'
280'B'
282'B'
284'B'
286'B'
MATCHLINE STA 272+00
274'WB'
276'WB'
IH 94 WB
278'WB'
280'WB'
282'WB'
284'WB'
286'WB'
MATCHLINE STA 287+00

W4-1
48" X 48"
208

EXIT
65
E5-1A
72" X 60"
209

288'WB'
290'WB'
292'WB'
294'WB'
BEGIN EXCEPTION
STA 295'EB'+50

PROJECT NO: 1022-08-73	HWY: IH 94 WESTBOUND	COUNTY: EAU CLAIRE	PERMANENT SIGNING	SHEET E

FILE NAME : D:\NWBE PROJECTS\1029 I-94 CH2MHill\Signing\10220803_ps11_WB.dgn PLOT DATE : 1/15/2013 PLOT BY : NWBE PLOT NAME : PLOT SCALE : N/A

2

R3-4
36" X 36"

R3-4A
36" X 12"

EXCEPT MAINTENANCE AND POLICE AUTHORIZED VEHICLES

R3-4B
36" X 48"

234

235

Chippewa River Trail EXIT 65

SP-2
144" X 84"

236

MILE 66

D10-2
12" X 36"

HOSPITAL EXIT 65

E10-61
144" X 54"

237

END EXCEPTION
STA 307'WB'+00

308'WB'

310'WB'

312'WB'

314'WB'

316'WB'

318'WB'

320'WB'

322'WB'

PT STA 320+75.10

MATCHLINE STA 322+65

MATCHLINE STA 322+65

324'WB'

326'WB'

328'WB'

330'WB'

332'WB'

334'WB'

336'WB'

338'WB'

PC STA 325+08.29

SIGN LEGEND

- ○ REMOVING SIGNS TYPE I
- ◇ MOVING SIGNS TYPE I
- ● REMOVING SIGNS TYPE II
- ■ REMOVING SMALL SIGN SUPPORTS
- □ REMOVING STRUC STEEL SUPPORTS
- ▽ SIGNS TYPE I
- ▲ SIGNS TYPE II REFLECTIVE
- SIGN(S) ON SINGLE POST
- SIGN(S) ON DOUBLE POSTS

UW Eau Claire

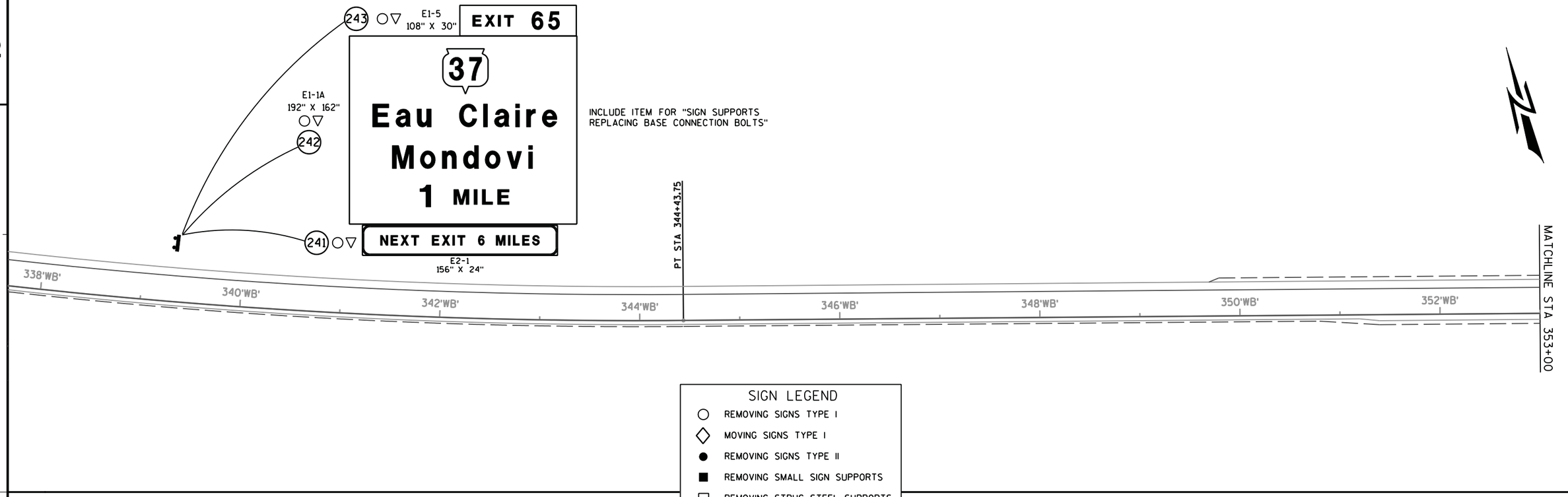
Chippewa Valley Tech College EXIT 65

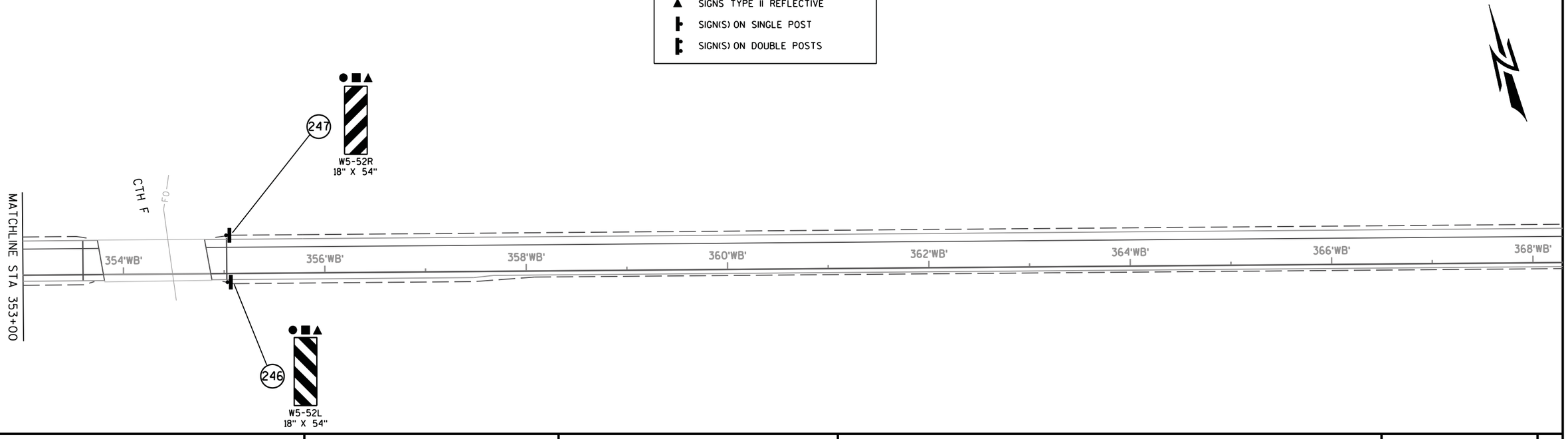
239

E3-1
204" X 120"

INPLACE SERVICE AND INFORMATION SIGN

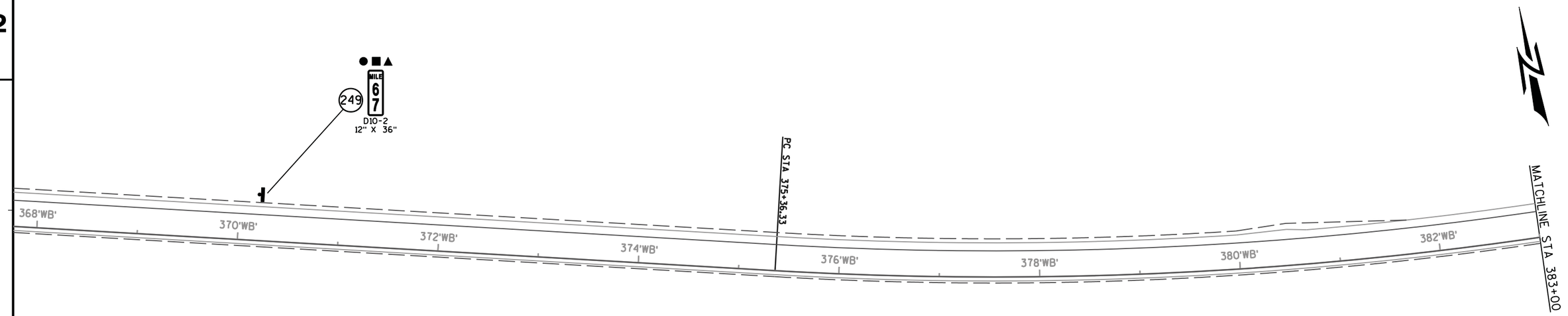
PROJECT NO: 1022-08-73	HWY: IH 94 WESTBOUND	COUNTY: EAU CLAIRE	PERMANENT SIGNING	SHEET 116 E





PROJECT NO: 1022-08-73	HWY: IH 94 WESTBOUND	COUNTY: EAU CLAIRE	PERMANENT SIGNING	SHEET 117	E

2

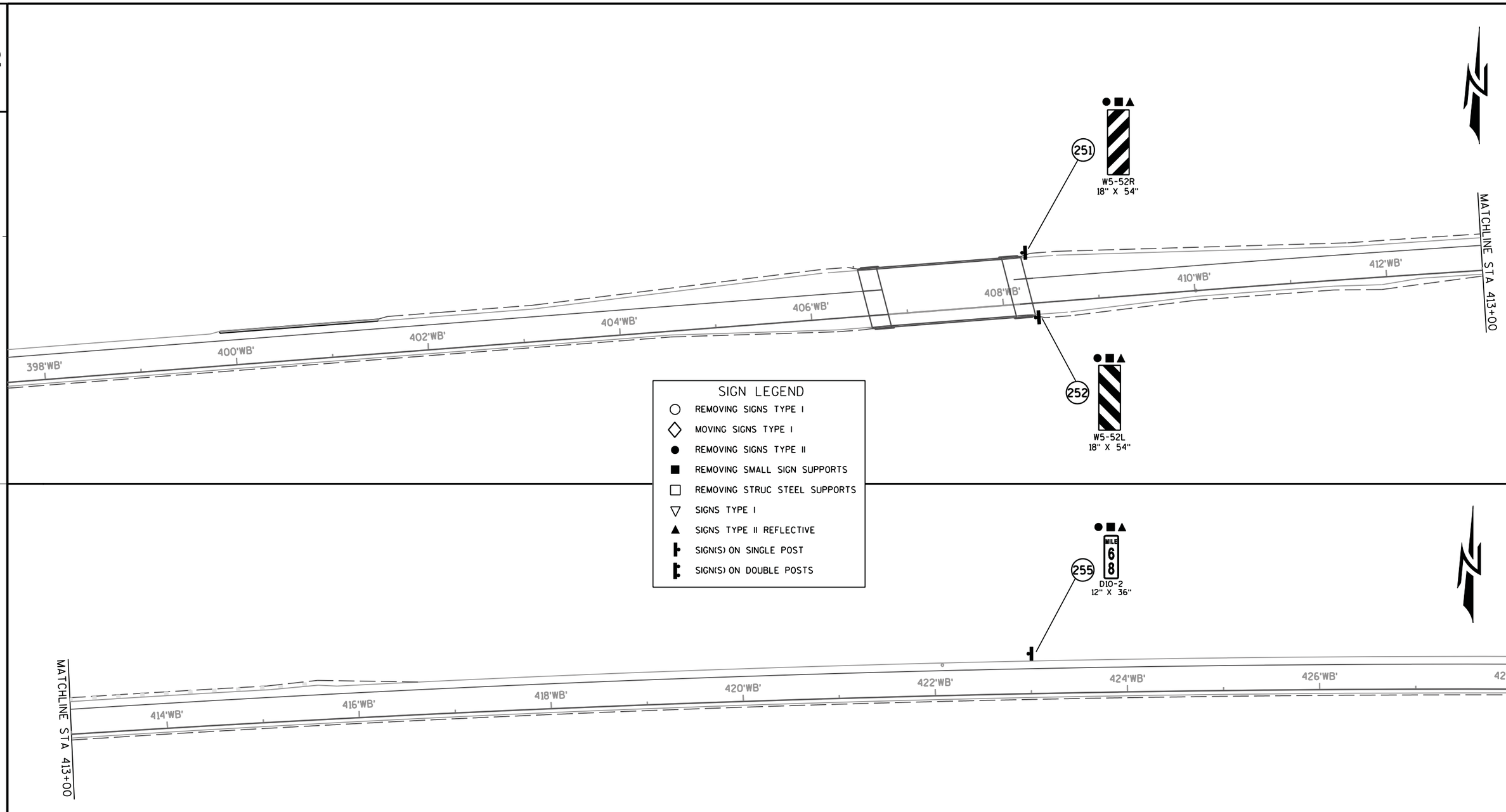


SIGN LEGEND

- ○ REMOVING SIGNS TYPE I
- ◇ MOVING SIGNS TYPE I
- ● REMOVING SIGNS TYPE II
- ■ REMOVING SMALL SIGN SUPPORTS
- □ REMOVING STRUC STEEL SUPPORTS
- ▽ SIGNS TYPE I
- ▲ SIGNS TYPE II REFLECTIVE
- SIGN(S) ON SINGLE POST
- SIGN(S) ON DOUBLE POSTS



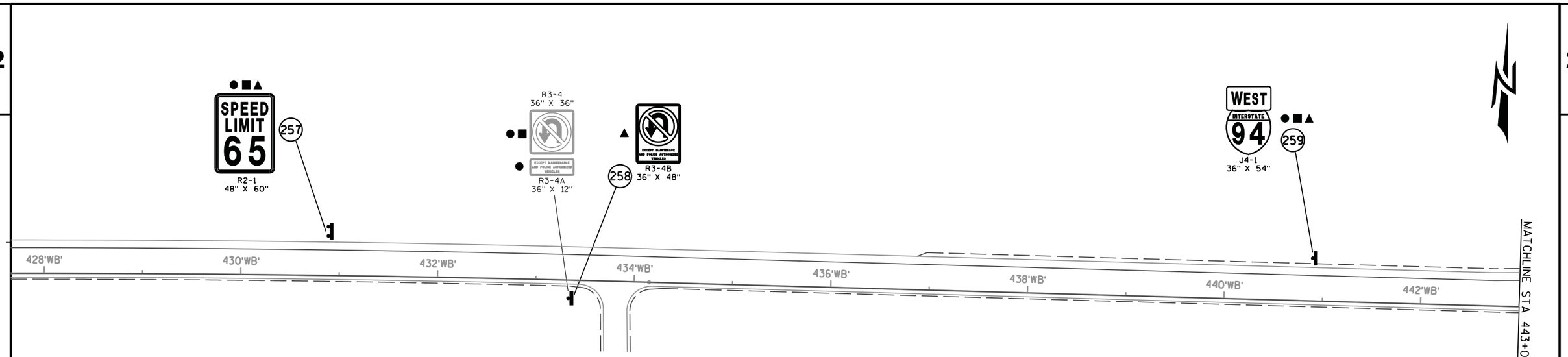
PROJECT NO: 1022-08-73	HWY: IH 94 WESTBOUND	COUNTY: EAU CLAIRE	PERMANENT SIGNING	SHEET 118	E



SIGN LEGEND

- REMOVING SIGNS TYPE I
- MOVING SIGNS TYPE I
- REMOVING SIGNS TYPE II
- REMOVING SMALL SIGN SUPPORTS
- REMOVING STRUC STEEL SUPPORTS
- SIGNS TYPE I
- SIGNS TYPE II REFLECTIVE
- SIGN(S) ON SINGLE POST
- SIGN(S) ON DOUBLE POSTS

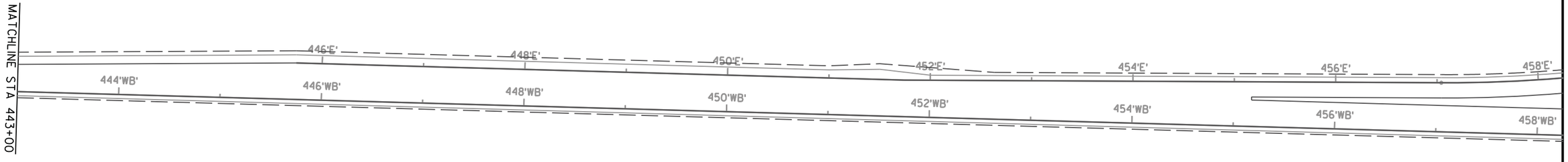
PROJECT NO: 1022-08-73	HWY: IH 94 WESTBOUND	COUNTY: EAU CLAIRE	PERMANENT SIGNING	SHEET 119	E



2

SIGN LEGEND

- ○ REMOVING SIGNS TYPE I
- ◇ MOVING SIGNS TYPE I
- ● REMOVING SIGNS TYPE II
- ■ REMOVING SMALL SIGN SUPPORTS
- □ REMOVING STRUC STEEL SUPPORTS
- ▽ SIGNS TYPE I
- ▲ SIGNS TYPE II REFLECTIVE
- SIGN(S) ON SINGLE POST
- SIGN(S) ON DOUBLE POSTS



PROJECT NO: 1022-08-73	HWY: IH 94 WESTBOUND	COUNTY: EAU CLAIRE	PERMANENT SIGNING	SHEET 120	E

SIGN LEGEND

- ○ REMOVING SIGNS TYPE I
- ◇ MOVING SIGNS TYPE I
- ● REMOVING SIGNS TYPE II
- ■ REMOVING SMALL SIGN SUPPORTS
- □ REMOVING STRUC STEEL SUPPORTS
- ▽ SIGNS TYPE I
- ▲ SIGNS TYPE II REFLECTIVE
- SIGN(S) ON SINGLE POST
- SIGN(S) ON DOUBLE POSTS

INPLACE
EAST 94 INTERSTATE
SOUTH 93
WEST 94 INTERSTATE

264
FOLDING ▲
RAMP CLOSED
~~USE~~
ALT ROUTE
R11-54F
48" X 30"

●■▲
STOP
R1-1
36" X 36"
BAND TO LIGHT POLE
265

INPLACE
SOUTH 93
WEST 94 INTERSTATE

FOLDING ▲
RAMP CLOSED
~~USE~~
ALT ROUTE
R11-54F
48" X 30"
263

●■▲
PEDESTRIANS
BICYCLES
~~NON MOTORIZED TRAFFIC~~
~~MOTOR BICYCLES~~
PROHIBITED
R5-57
36" X 36"
262

●■▲
STOP
R1-1
36" X 36"
266

●■▲
DIVIDED HIGHWAY
R6-3
30" X 24"
267

●■▲
DO NOT ENTER
R5-1
36" X 36"
269

●■▲
SOUTH 93 | NORTH 93
J3-2
48" X 57"
270

●■▲
← Eleva
Eau Claire →
D1-2
78" X 30"
272

●■▲
WRONG WAY
R5-1A
42" X 30"
271

468'E'
470'E'
RAMP F
STH 93

INPLACE
WEST 94 INTERSTATE
268

●■▲
DO NOT ENTER
R5-1
36" X 36"

INPLACE SERVICE AND INFORMATION SIGN

INPLACE
WEST 94 INTERSTATE

275 274
RAMP CLOSED
~~USE~~
ALT ROUTE
R11-54F
48" X 30"
▲ FOLDING

●■▲
WRONG WAY
R5-1A
42" X 30"
273

●■▲
W4-1
48" X 48"
261

●■▲
MILE 69
D10-2
12" X 36"
276

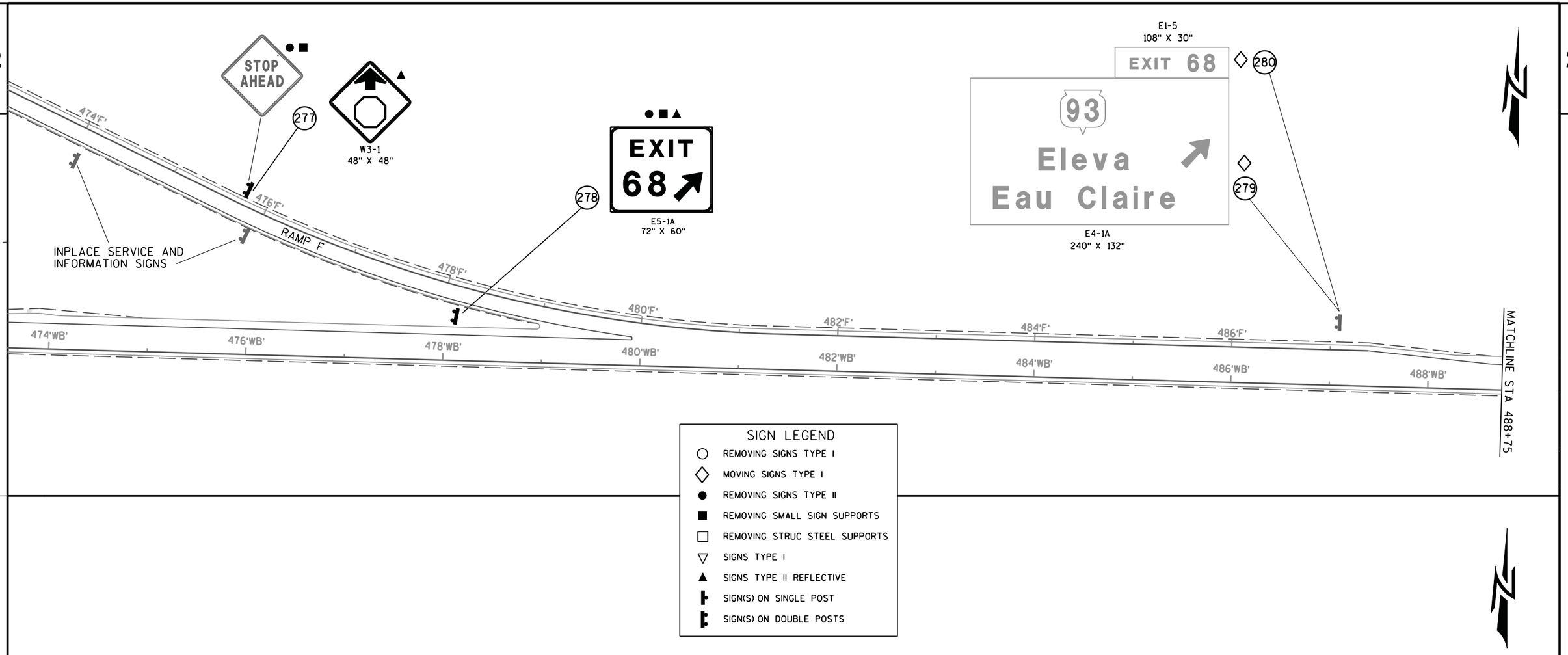
466'E'
464'E'
RAMP E
462'E'
460'E'

460'WB'
462'WB'
464'WB'
IH 94 WB
466'WB'
468'WB'
470'WB'
472'WB'

MH
PISTA 469+23.66

PROJECT NO: 1022-08-73	HWY: IH 94 WB @ STH 93	COUNTY: EAU CLAIRE	PERMANENT SIGNING	SHEET E

FILE NAME : D:\NWBE PROJECTS\1029 I-94 CH2MHill\Signing\10220803 _ps17_WB.dgn PLOT DATE : 1/18/2013 PLOT BY : NWBE PLOT NAME : PLOT SCALE : N/A



SIGN LEGEND

- REMOVING SIGNS TYPE I
- MOVING SIGNS TYPE I
- REMOVING SIGNS TYPE II
- REMOVING SMALL SIGN SUPPORTS
- REMOVING STRUC STEEL SUPPORTS
- SIGNS TYPE I
- SIGNS TYPE II REFLECTIVE
- SIGN(S) ON SINGLE POST
- SIGN(S) ON DOUBLE POSTS

PROJECT NO: 1022-08-73	HWY: IH 94 WESTBOUND	COUNTY: EAU CLAIRE	PERMANENT SIGNING	SHEET	E

FILE NAME : D:\NWBE PROJECTS\1029 I-94 CH2MHill\Signing\10220803 _ps18_WB.dgn PLOT DATE : 1/18/2013 PLOT BY : NWBE PLOT NAME : PLOT SCALE : N/A

WISDOT/CADDS SHEET 42

2

EMERGENCY STOPPING ONLY
R8-7
48" X 36"
283

INPLACE SERVICE AND INFORMATION SIGN

PC STA 513+46.58

SPEED LIMIT 65
R2-1
48" X 60"
285

504'WB' 506'WB' 508'WB' 510'WB' 512'WB' 514'WB' 516'WB' 518'WB'

MATCHLINE STA 519+00

SIGN LEGEND

- REMOVING SIGNS TYPE I
- MOVING SIGNS TYPE I
- REMOVING SIGNS TYPE II
- REMOVING SMALL SIGN SUPPORTS
- REMOVING STRUC STEEL SUPPORTS
- SIGNS TYPE I
- SIGNS TYPE II REFLECTIVE
- SIGN(S) ON SINGLE POST
- SIGN(S) ON DOUBLE POSTS

290 E1-5 108" X 30" EXIT 68

93
Eleva
Eau Claire
3/4 MILE
E1-1A
204" X 162"

289

SLOWER TRAFFIC KEEP RIGHT
R4-3
48" X 60"
287

MILE 7 0
D10-2
12" X 36"
288

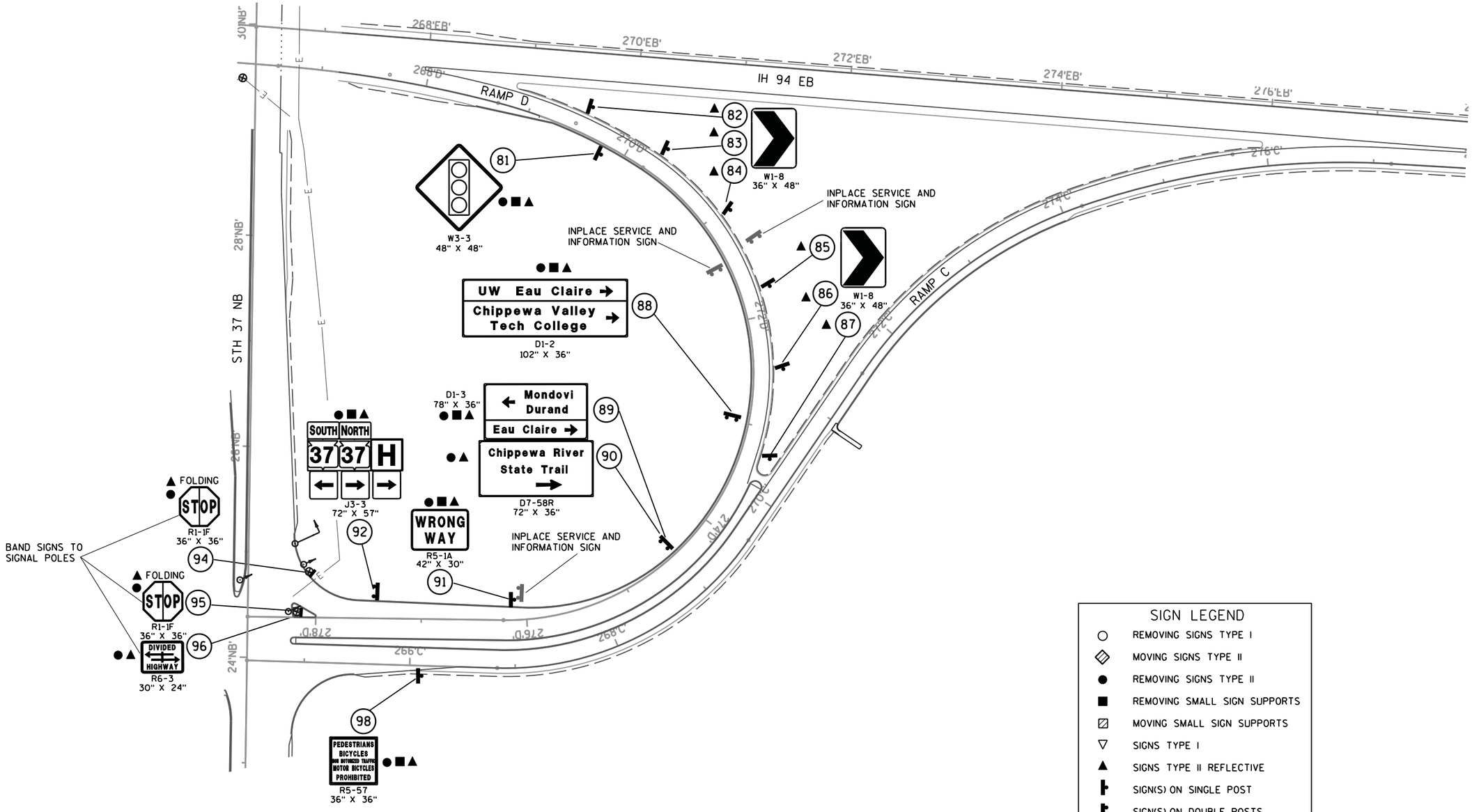
WEST INTERSTATE 94
J4-1
36" X 54"
293

R3-4B
36" X 48"
292

MATCHLINE STA 519+00

520'WB' 522'WB' 524'WB' 526'WB' 528'WB' 530'WB' 532'WB' 534'WB'

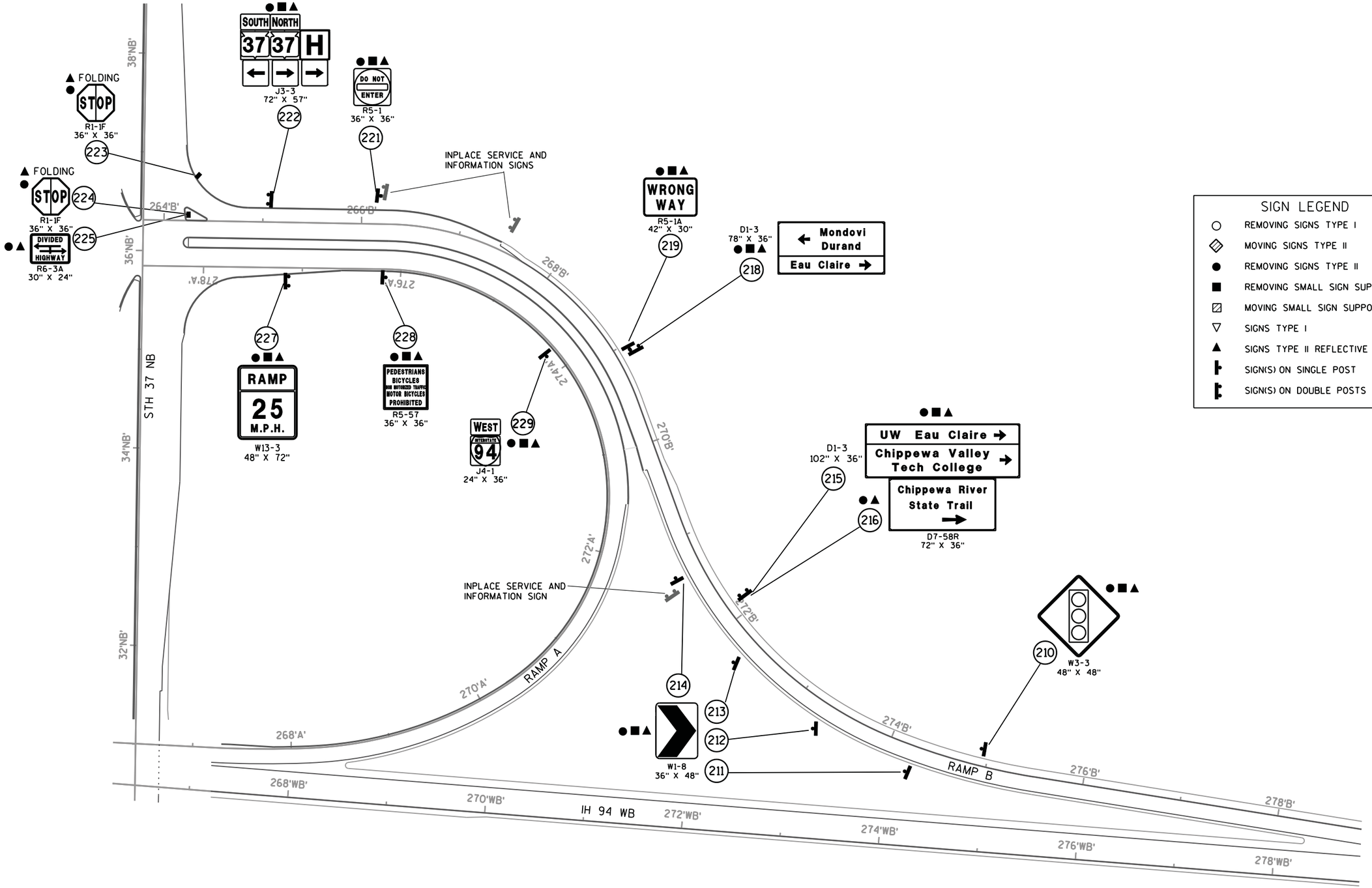
PROJECT NO: 1022-08-73	HWY: IH 94 WESTBOUND	COUNTY: EAU CLAIRE	PERMANENT SIGNING	SHEET 123	E



SIGN LEGEND

- ○ REMOVING SIGNS TYPE I
- ◇ MOVING SIGNS TYPE II
- ● REMOVING SIGNS TYPE II
- ■ REMOVING SMALL SIGN SUPPORTS
- ▨ MOVING SMALL SIGN SUPPORTS
- ▽ SIGNS TYPE I
- ▲ SIGNS TYPE II REFLECTIVE
- ⊢ SIGN(S) ON SINGLE POST
- ⊢⊢ SIGN(S) ON DOUBLE POSTS

PROJECT NO: 1022-08-73	HWY: IH 94 EB RAMPS	COUNTY: EAU CLAIRE	PERMANENT SIGNING - RAMPS @ STH 37	SHEET 124	E



SIGN LEGEND

- REMOVING SIGNS TYPE I
- MOVING SIGNS TYPE II
- REMOVING SIGNS TYPE II
- REMOVING SMALL SIGN SUPPORTS
- MOVING SMALL SIGN SUPPORTS
- SIGNS TYPE I
- SIGNS TYPE II REFLECTIVE
- SIGN(S) ON SINGLE POST
- SIGN(S) ON DOUBLE POSTS

PROJECT NO: 1022-08-73	HWY: IH 94 WB RAMPS	COUNTY: EAU CLAIRE	PERMANENT SIGNING - RAMPS @ STH 37	SHEET 125	E

2

1 W5-52L 12" X 36"
2 W5-52R 12" X 36"
3 W5-52R 12" X 36"
4 W5-52L 12" X 36"
5 W4-2L 36" X 36"
6 J1-1 36" X 57"
7 R4-7 36" X 48"
8 R5-1 36" X 36"
9 W6-3 36" X 36"
10 W9-62 48" X 60"
11 J3-2 72" X 84"
12 R11-54F 48" X 30"
13 R5-1A 42" X 30"
14 W3-3 36" X 36"
15 W3-3 36" X 36"
16 R2-1 36" X 48"
17 R3-20L 36" X 54"
18 W6-2 36" X 36"
19 D1-3 72" X 36"
20 D1-3 72" X 36"
21 R5-1A 42" X 30"

10'SB' 12'SB' 14'SB' 16'SB' STH 37 SB 18'SB' 20'SB'
10'NB' 12'NB' 14'NB' 16'NB' 18'NB' 20'NB'
STH 37 NB
FO FO
MATCH LINE STA 20+50'NB'

SIGN LEGEND
- REMOVING SIGNS TYPE I
- MOVING SIGNS TYPE II
- REMOVING SIGNS TYPE II
- REMOVING SMALL SIGN SUPPORTS
- MOVING SMALL SIGN SUPPORTS
- SIGNS TYPE I
- SIGNS TYPE II REFLECTIVE
- SIGN(S) ON SINGLE POST
- SIGN(S) ON DOUBLE POSTS

22 R2-1 36" X 48"
23 D2-2 72" X 24"
24 D2-2 72" X 24"
25 J4-1 36" X 54"
26 J3-1 36" X 84"
27 R11-54F 48" X 30"
28 R6-2L 24" X 30"
29 R3-4 36" X 36"
30 R4-7 36" X 48"
31 R6-2L 24" X 30"
32 R5-1 36" X 36"
33 R6-2L 30" X 36"
34 R1-1F 36" X 36"
35 R6-3 30" X 24"
36 R6-2L 30" X 36"
37 R6-2L 30" X 36"
38 R4-7 36" X 48"
39 R5-1 36" X 36"
40 R6-2L 30" X 36"
41 R11-54F 48" X 30"
42 J3-1 36" X 84"
43 W12-2 36" X 36"
44 R5-1A 42" X 30"
45 W12-2 36" X 36"
46 I55-56 30" X 36"
47 E6-1 168" X 126"
48 E6-1 168" X 90"
49 E6-1 168" X 90"
50 E6-1 168" X 90"
51 E6-51 204" X 156"
52 R3-7L 36" X 36"

Mondovi 18
Durand 26

FOLDING STOP

JOPKE RD
RAMP C
RAMP D
IH 94 EB
IH 94 WB
266' WB
266' EB

22'SB' 24'SB' 26'SB' STH 37 SB 28'SB' 30'SB' 32'SB'
22'NB' 26'NB' 28'NB' 30'NB' 32'NB'
STH 37 NB
MATCH LINE STA 20+50'NB'
MATCH LINE STA 32+50'NB'

INTERSTATE 94 EAST Madison

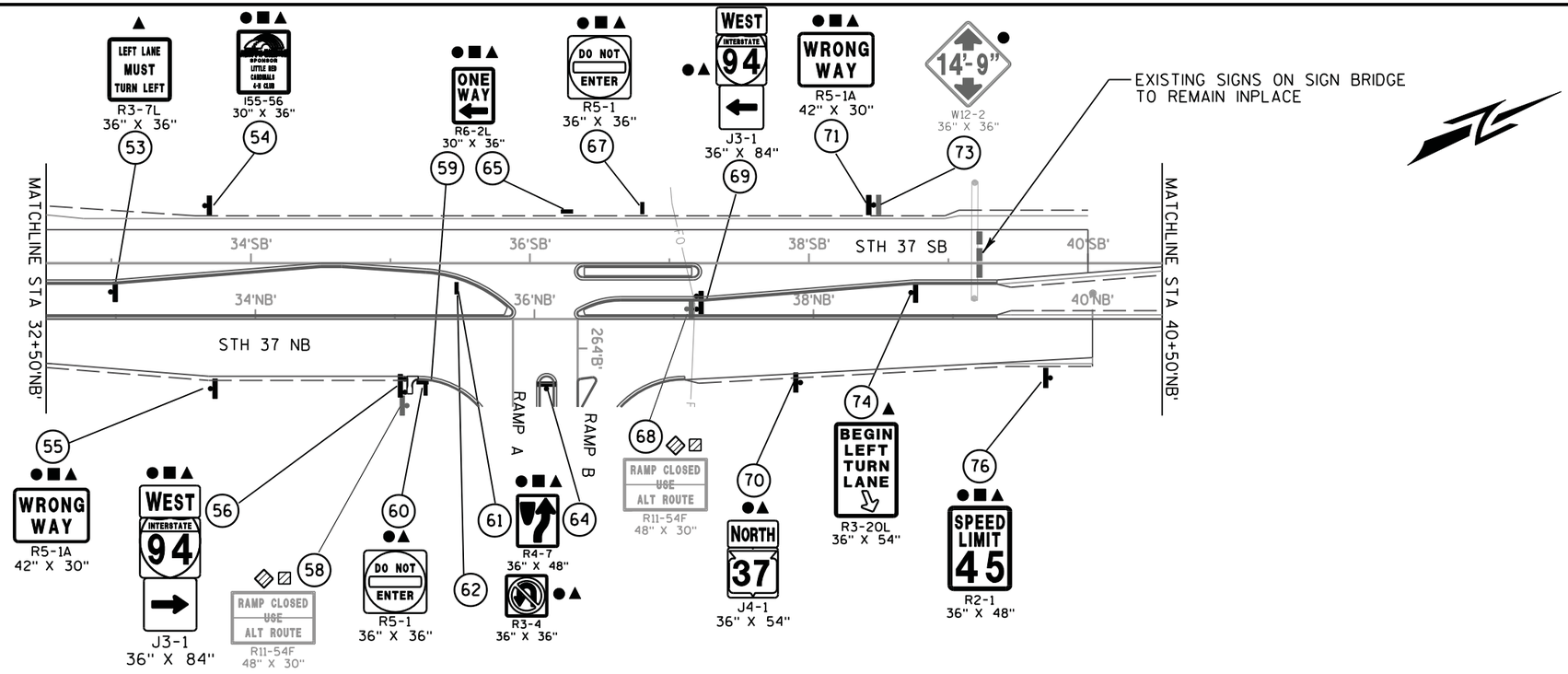
37 SOUTH Mondovi Durand

37 NORTH Eau Claire

INTERSTATE 94 WEST St Paul

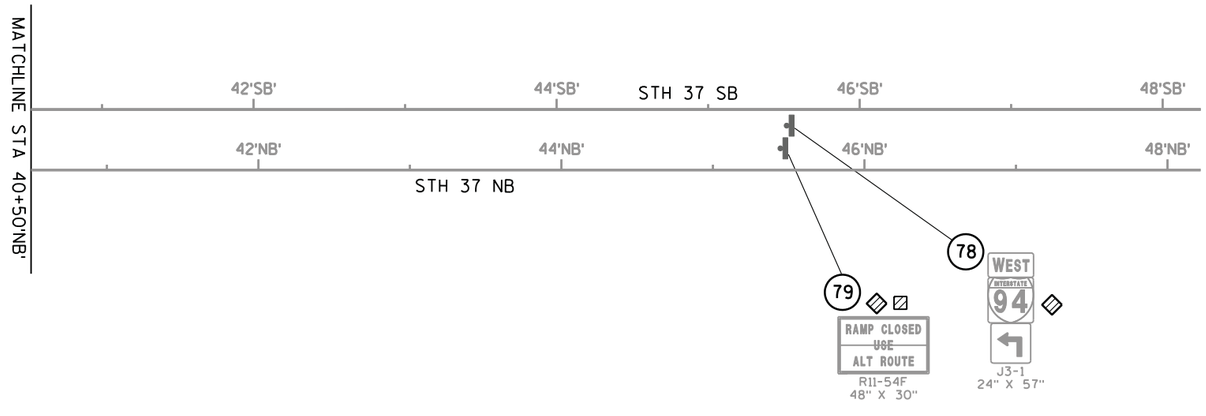
✳ INCLUDE ITEM FOR "SIGN BRIDGE STRUCTURE MOUNTED"

PROJECT NO: 1022-08-73	HWY: STH 37 @ I-94	COUNTY: EAU CLAIRE	PERMANENT SIGNING	SHEET 126 E



SIGN LEGEND

- ○ REMOVING SIGNS TYPE I
- ◇ MOVING SIGNS TYPE II
- ● REMOVING SIGNS TYPE II
- ■ REMOVING SMALL SIGN SUPPORTS
- ▨ MOVING SMALL SIGN SUPPORTS
- ▽ SIGNS TYPE I
- ▲ SIGNS TYPE II REFLECTIVE
- ⊢ SIGN(S) ON SINGLE POST
- ⊢⊢ SIGN(S) ON DOUBLE POSTS



PROJECT NO: 1022-08-73	HWY: STH 37 @ I-94	COUNTY: EAU CLAIRE	PERMANENT SIGNING	SHEET 127 E

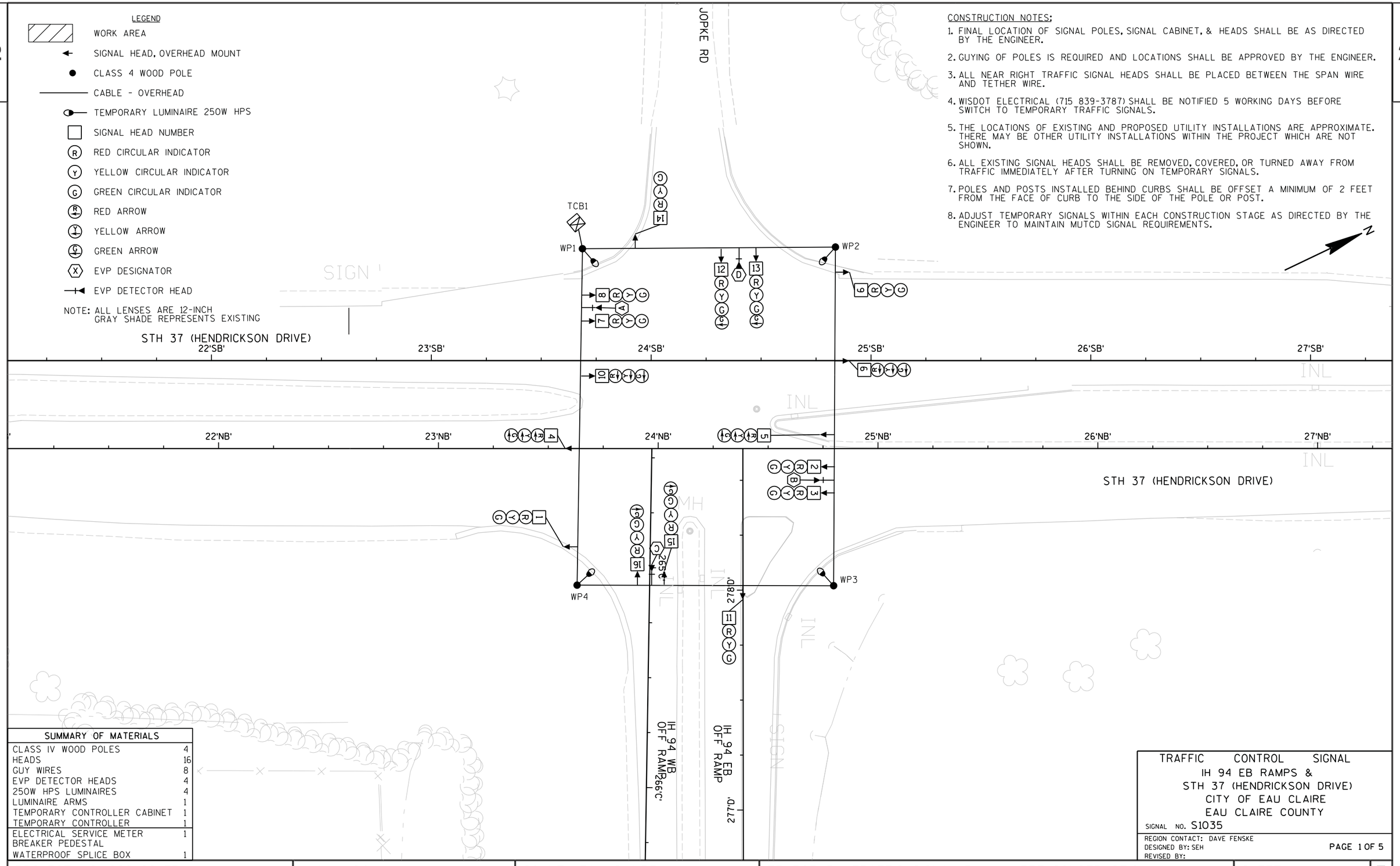
LEGEND

- WORK AREA
- SIGNAL HEAD, OVERHEAD MOUNT
- CLASS 4 WOOD POLE
- CABLE - OVERHEAD
- TEMPORARY LUMINAIRE 250W HPS
- SIGNAL HEAD NUMBER
- (R) RED CIRCULAR INDICATOR
- (Y) YELLOW CIRCULAR INDICATOR
- (G) GREEN CIRCULAR INDICATOR
- RED ARROW
- YELLOW ARROW
- GREEN ARROW
- (X) EVP DESIGNATOR
- EVP DETECTOR HEAD

NOTE: ALL LENSES ARE 12-INCH
GRAY SHADE REPRESENTS EXISTING

CONSTRUCTION NOTES:

1. FINAL LOCATION OF SIGNAL POLES, SIGNAL CABINET, & HEADS SHALL BE AS DIRECTED BY THE ENGINEER.
2. GUYING OF POLES IS REQUIRED AND LOCATIONS SHALL BE APPROVED BY THE ENGINEER.
3. ALL NEAR RIGHT TRAFFIC SIGNAL HEADS SHALL BE PLACED BETWEEN THE SPAN WIRE AND TETHER WIRE.
4. WISDOT ELECTRICAL (715 839-3787) SHALL BE NOTIFIED 5 WORKING DAYS BEFORE SWITCH TO TEMPORARY TRAFFIC SIGNALS.
5. THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT WHICH ARE NOT SHOWN.
6. ALL EXISTING SIGNAL HEADS SHALL BE REMOVED, COVERED, OR TURNED AWAY FROM TRAFFIC IMMEDIATELY AFTER TURNING ON TEMPORARY SIGNALS.
7. POLES AND POSTS INSTALLED BEHIND CURBS SHALL BE OFFSET A MINIMUM OF 2 FEET FROM THE FACE OF CURB TO THE SIDE OF THE POLE OR POST.
8. ADJUST TEMPORARY SIGNALS WITHIN EACH CONSTRUCTION STAGE AS DIRECTED BY THE ENGINEER TO MAINTAIN MUTCD SIGNAL REQUIREMENTS.



SUMMARY OF MATERIALS	
CLASS IV WOOD POLES	4
HEADS	16
GUY WIRES	8
EVP DETECTOR HEADS	4
250W HPS LUMINAIRES	4
LUMINAIRE ARMS	1
TEMPORARY CONTROLLER CABINET	1
TEMPORARY CONTROLLER	1
ELECTRICAL SERVICE METER BREAKER PEDESTAL	1
WATERPROOF SPLICE BOX	1

TRAFFIC CONTROL SIGNAL
IH 94 EB RAMPS &
STH 37 (HENDRICKSON DRIVE)
CITY OF EAU CLAIRE
EAU CLAIRE COUNTY

SIGNAL NO. S1035

REGION CONTACT: DAVE FENSKE
DESIGNED BY: SEH
REVISED BY:

PAGE 1 OF 5

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	TEMPORARY TRAFFIC SIGNAL PLAN - PRE-CONSTRUCTION	SHEET 128	E

LEGEND

- WORK AREA
- SIGNAL HEAD, OVERHEAD MOUNT
- CLASS 4 WOOD POLE
- CABLE - OVERHEAD
- TEMPORARY LUMINAIRE 250W HPS
- SIGNAL HEAD NUMBER
- (R) RED CIRCULAR INDICATOR
- (Y) YELLOW CIRCULAR INDICATOR
- (G) GREEN CIRCULAR INDICATOR
- RED ARROW
- YELLOW ARROW
- GREEN ARROW
- (X) EVP DESIGNATOR
- EVP DETECTOR HEAD
- TRAFFIC SIGNAL HEAD TO BE COVERED AND DE-ENERGIZED

NOTE: ALL LENSES ARE 12-INCH
GRAY SHADE REPRESENTS EXISTING

JOPKE RD

N

TCB1

WP1

WP2

WP3

WP4

SIGN

STH 37 (HENDRICKSON DRIVE)

23'SB' 24'SB' 25'SB' 26'SB' 27'SB'

22'NB' 23'NB' 24'NB' 25'NB' 26'NB' 27'NB'

265'

278'

IH 94 WB ON RAMP

266'

IH 94 EB OFF RAMP

217'

TRAFFIC CONTROL SIGNAL
IH 94 EB RAMPS &
STH 37 (HENDRICKSON DRIVE)
CITY OF EAU CLAIRE
EAU CLAIRE COUNTY

SIGNAL NO. S1035

REGION CONTACT: DAVE FENSKE
DESIGNED BY: SEH
REVISED BY:

PAGE 2 OF 5

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	TEMPORARY TRAFFIC SIGNAL PLAN - STAGES 3B & 3C	SHEET 129	E

FILE NAME : Z:\UZ\W\Witnw\111449\Cad Final Design\023913_SP_Temp.dgn PLOT TIME : 2:37:37 PM PLOT DATE : 3/1/2013 PLOT BY : SEH PLOT NAME : PLOT SCALE : N/A

LEGEND

- WORK AREA
- SIGNAL HEAD, OVERHEAD MOUNT
- CLASS 4 WOOD POLE
- CABLE - OVERHEAD
- TEMPORARY LUMINAIRE 250W HPS
- SIGNAL HEAD NUMBER
- (R) RED CIRCULAR INDICATOR
- (Y) YELLOW CIRCULAR INDICATOR
- (G) GREEN CIRCULAR INDICATOR
- RED ARROW
- YELLOW ARROW
- GREEN ARROW
- (X) EVP DESIGNATOR
- EVP DETECTOR HEAD
- TRAFFIC SIGNAL HEAD TO BE COVERED AND DE-ENERGIZED

NOTE: ALL LENSES ARE 12-INCH
GRAY SHADE REPRESENTS EXISTING

JOPKE RD

N

TCB1

WP1

WP2

WP3

WP4

SIGN

STH 37 (HENDRICKSON DRIVE)

23'SB' 24'SB' 25'SB' 26'SB' 27'SB'

22'NB' 23'NB' 24'NB' 25'NB' 26'NB' 27'NB'

INL

265'C'

278'D'

IH 94 WB ON RAMP 266'C'

IH 94 EB OFF RAMP 271'D'

TRAFFIC CONTROL SIGNAL
IH 94 EB RAMPS &
STH 37 (HENDRICKSON DRIVE)
CITY OF EAU CLAIRE
EAU CLAIRE COUNTY

SIGNAL NO. S1035

REGION CONTACT: DAVE FENSKE
DESIGNED BY: SEH
REVISED BY:

PAGE 3 OF 5

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	TEMPORARY TRAFFIC SIGNAL PLAN - STAGE 4	SHEET 130	E

FILE NAME : Z:\UZ\W\Witnw\111449\Cad Final Design\023914_SP_Temp.dgn PLOT TIME : 2:37:43 PM PLOT DATE : 3/1/2013 PLOT BY : SEH PLOT NAME : PLOT SCALE : N/A

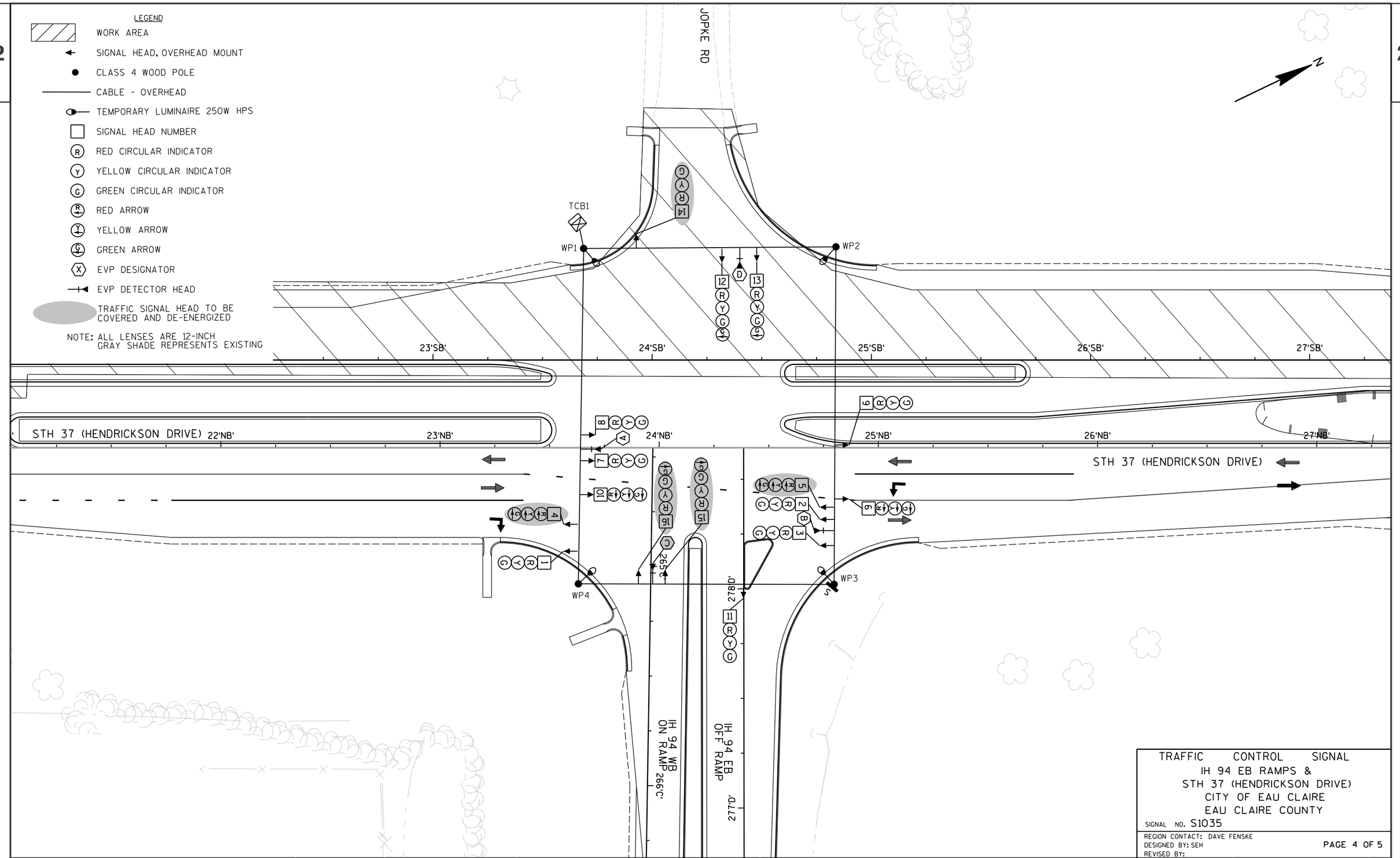
WISDOT/CADDS SHEET 42

2

LEGEND

- WORK AREA
- SIGNAL HEAD, OVERHEAD MOUNT
- CLASS 4 WOOD POLE
- CABLE - OVERHEAD
- TEMPORARY LUMINAIRE 250W HPS
- SIGNAL HEAD NUMBER
- (R) RED CIRCULAR INDICATOR
- (Y) YELLOW CIRCULAR INDICATOR
- (G) GREEN CIRCULAR INDICATOR
- RED ARROW
- YELLOW ARROW
- GREEN ARROW
- (X) EVP DESIGNATOR
- EVP DETECTOR HEAD
- TRAFFIC SIGNAL HEAD TO BE COVERED AND DE-ENERGIZED

NOTE: ALL LENSES ARE 12-INCH
GRAY SHADE REPRESENTS EXISTING



TRAFFIC CONTROL SIGNAL
IH 94 EB RAMPS &
STH 37 (HENDRICKSON DRIVE)
CITY OF EAU CLAIRE
EAU CLAIRE COUNTY

SIGNAL NO. S1035

REGION CONTACT: DAVE FENSKE
DESIGNED BY: SEH
REVISED BY:

PAGE 4 OF 5

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	TEMPORARY TRAFFIC SIGNAL PLAN - STAGE 5	SHEET 131	E

2

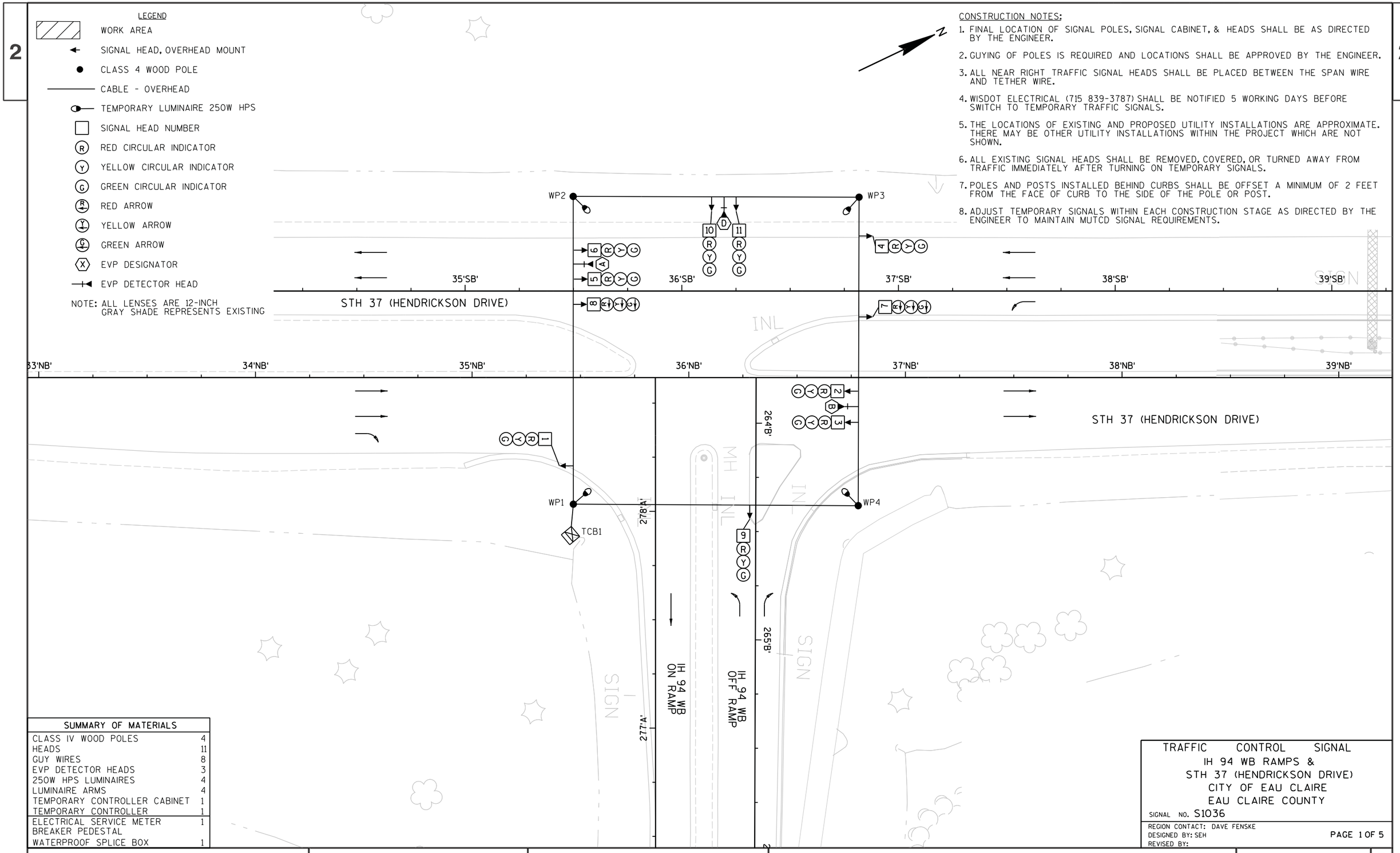
LEGEND

- WORK AREA
- SIGNAL HEAD, OVERHEAD MOUNT
- CLASS 4 WOOD POLE
- CABLE - OVERHEAD
- TEMPORARY LUMINAIRE 250W HPS
- SIGNAL HEAD NUMBER
- (R) RED CIRCULAR INDICATOR
- (Y) YELLOW CIRCULAR INDICATOR
- (G) GREEN CIRCULAR INDICATOR
- RED ARROW
- YELLOW ARROW
- GREEN ARROW
- (X) EVP DESIGNATOR
- EVP DETECTOR HEAD

NOTE: ALL LENSES ARE 12-INCH GRAY SHADE REPRESENTS EXISTING

CONSTRUCTION NOTES:

1. FINAL LOCATION OF SIGNAL POLES, SIGNAL CABINET, & HEADS SHALL BE AS DIRECTED BY THE ENGINEER.
2. GUYING OF POLES IS REQUIRED AND LOCATIONS SHALL BE APPROVED BY THE ENGINEER.
3. ALL NEAR RIGHT TRAFFIC SIGNAL HEADS SHALL BE PLACED BETWEEN THE SPAN WIRE AND TETHER WIRE.
4. WISDOT ELECTRICAL (715 839-3787) SHALL BE NOTIFIED 5 WORKING DAYS BEFORE SWITCH TO TEMPORARY TRAFFIC SIGNALS.
5. THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT WHICH ARE NOT SHOWN.
6. ALL EXISTING SIGNAL HEADS SHALL BE REMOVED, COVERED, OR TURNED AWAY FROM TRAFFIC IMMEDIATELY AFTER TURNING ON TEMPORARY SIGNALS.
7. POLES AND POSTS INSTALLED BEHIND CURBS SHALL BE OFFSET A MINIMUM OF 2 FEET FROM THE FACE OF CURB TO THE SIDE OF THE POLE OR POST.
8. ADJUST TEMPORARY SIGNALS WITHIN EACH CONSTRUCTION STAGE AS DIRECTED BY THE ENGINEER TO MAINTAIN MUTCD SIGNAL REQUIREMENTS.



SUMMARY OF MATERIALS	
CLASS IV WOOD POLES	4
HEADS	11
GUY WIRES	8
EVP DETECTOR HEADS	3
250W HPS LUMINAIRES	4
LUMINAIRE ARMS	4
TEMPORARY CONTROLLER CABINET	1
TEMPORARY CONTROLLER	1
ELECTRICAL SERVICE METER BREAKER PEDESTAL	1
WATERPROOF SPLICE BOX	1

TRAFFIC CONTROL SIGNAL
IH 94 WB RAMPS &
STH 37 (HENDRICKSON DRIVE)
CITY OF EAU CLAIRE
EAU CLAIRE COUNTY

SIGNAL NO. S1036

REGION CONTACT: DAVE FENSKE
DESIGNED BY: SEH
REVISED BY:

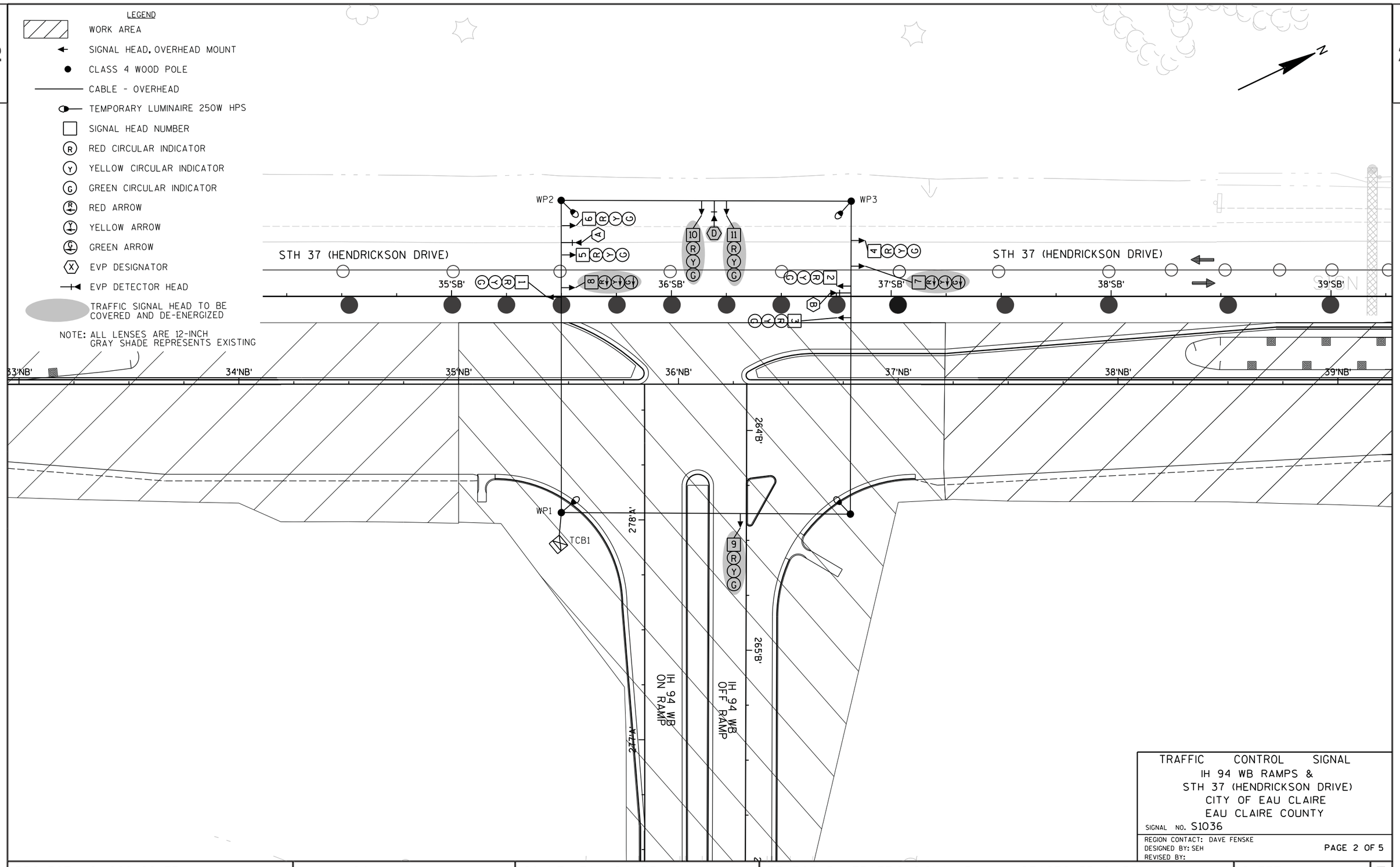
PAGE 1 OF 5

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	TEMPORARY TRAFFIC SIGNAL PLAN - PRE-CONSTRUCTION	SHEET 132	E

LEGEND

- WORK AREA
- SIGNAL HEAD, OVERHEAD MOUNT
- CLASS 4 WOOD POLE
- CABLE - OVERHEAD
- TEMPORARY LUMINAIRE 250W HPS
- SIGNAL HEAD NUMBER
- (R) RED CIRCULAR INDICATOR
- (Y) YELLOW CIRCULAR INDICATOR
- (G) GREEN CIRCULAR INDICATOR
- (R) RED ARROW
- (Y) YELLOW ARROW
- (G) GREEN ARROW
- (X) EVP DESIGNATOR
- EVP DETECTOR HEAD
- TRAFFIC SIGNAL HEAD TO BE COVERED AND DE-ENERGIZED

NOTE: ALL LENSES ARE 12-INCH
GRAY SHADE REPRESENTS EXISTING



TRAFFIC CONTROL SIGNAL
IH 94 WB RAMPS &
STH 37 (HENDRICKSON DRIVE)
CITY OF EAU CLAIRE
EAU CLAIRE COUNTY

SIGNAL NO. S1036

REGION CONTACT: DAVE FENSKE
DESIGNED BY: SEH
REVISED BY:

PAGE 2 OF 5

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	TEMPORARY TRAFFIC SIGNAL PLAN - STAGES 3B & 3C	SHEET 133	E

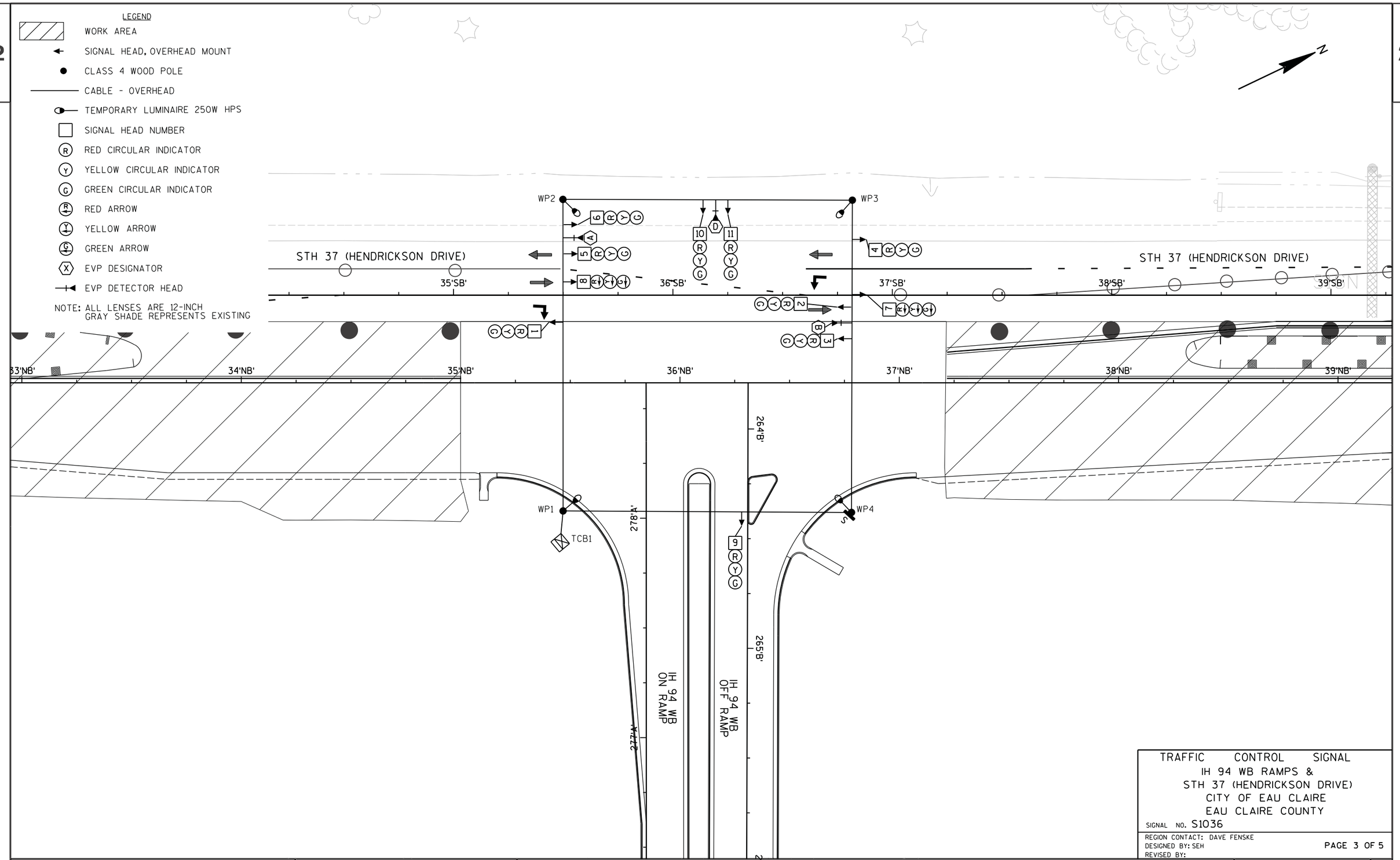
FILE NAME : Z:\UZ\W\Witnw\111449\Cad Final Design\023923_SP_Temp.dgn PLOT TIME : 2:37:54 PM PLOT DATE : 3/1/2013 PLOT BY : SEH PLOT NAME : PLOT SCALE : N/A
WISDOT/CADDS SHEET 42

2

LEGEND

- WORK AREA
- SIGNAL HEAD, OVERHEAD MOUNT
- CLASS 4 WOOD POLE
- CABLE - OVERHEAD
- TEMPORARY LUMINAIRE 250W HPS
- SIGNAL HEAD NUMBER
- (R) RED CIRCULAR INDICATOR
- (Y) YELLOW CIRCULAR INDICATOR
- (G) GREEN CIRCULAR INDICATOR
- RED ARROW
- YELLOW ARROW
- GREEN ARROW
- (X) EVP DESIGNATOR
- EVP DETECTOR HEAD

NOTE: ALL LENSES ARE 12-INCH
GRAY SHADE REPRESENTS EXISTING



TRAFFIC CONTROL SIGNAL
IH 94 WB RAMPS &
STH 37 (HENDRICKSON DRIVE)
CITY OF EAU CLAIRE
EAU CLAIRE COUNTY

SIGNAL NO. S1036

REGION CONTACT: DAVE FENSKE
DESIGNED BY: SEH
REVISED BY:

PAGE 3 OF 5

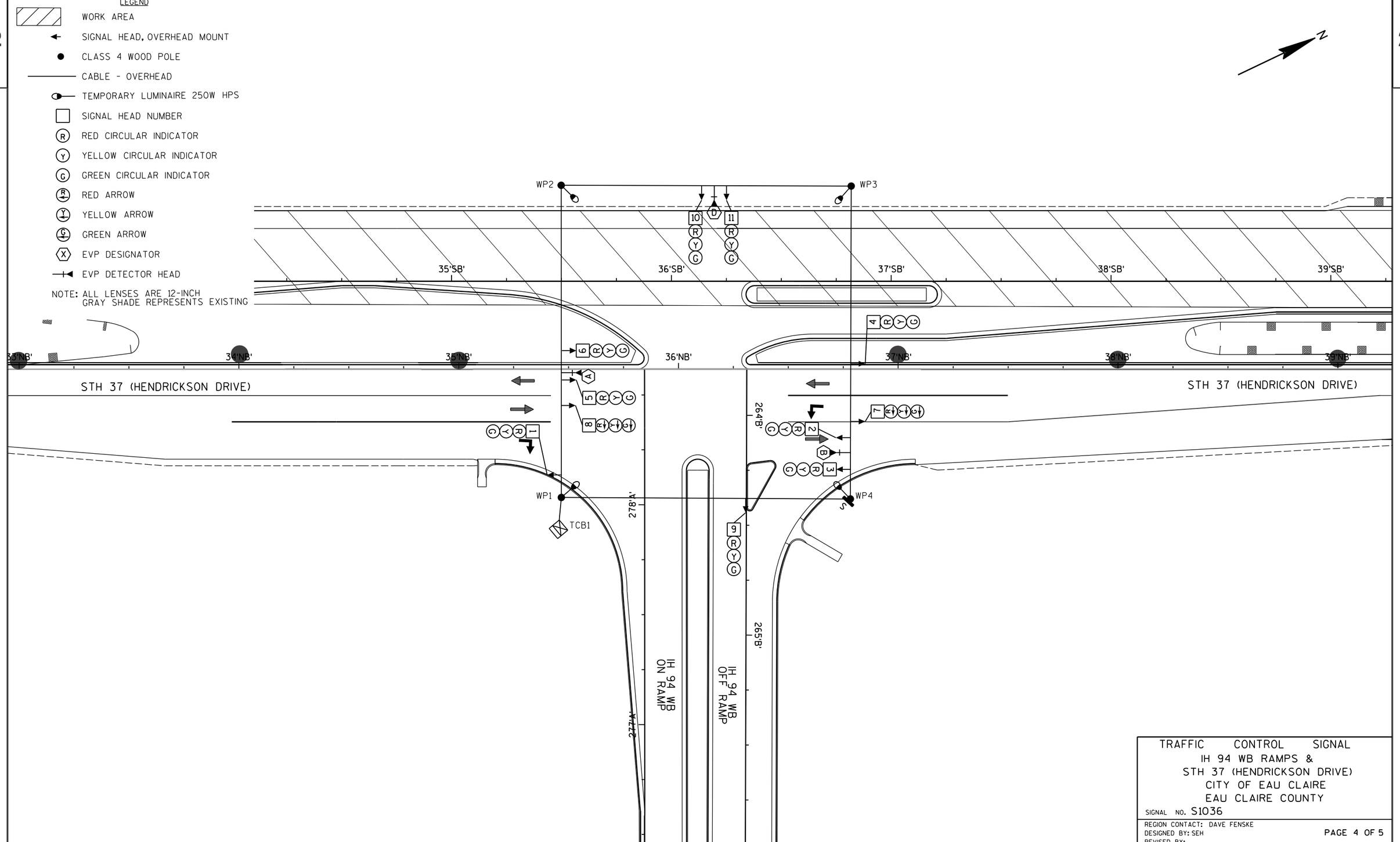
PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	TEMPORARY TRAFFIC SIGNAL PLAN - STAGE 4	SHEET 134	E

2

LEGEND

- WORK AREA
- SIGNAL HEAD, OVERHEAD MOUNT
- CLASS 4 WOOD POLE
- CABLE - OVERHEAD
- TEMPORARY LUMINAIRE 250W HPS
- SIGNAL HEAD NUMBER
- (R) RED CIRCULAR INDICATOR
- (Y) YELLOW CIRCULAR INDICATOR
- (G) GREEN CIRCULAR INDICATOR
- RED ARROW
- YELLOW ARROW
- GREEN ARROW
- (X) EVP DESIGNATOR
- EVP DETECTOR HEAD

NOTE: ALL LENSES ARE 12-INCH
GRAY SHADE REPRESENTS EXISTING



TRAFFIC CONTROL SIGNAL
IH 94 WB RAMPS &
STH 37 (HENDRICKSON DRIVE)
CITY OF EAU CLAIRE
EAU CLAIRE COUNTY

SIGNAL NO. S1036

REGION CONTACT: DAVE FENSKE
DESIGNED BY: SEH
REVISED BY:

PAGE 4 OF 5

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	TEMPORARY TRAFFIC SIGNAL PLAN - STAGE 5	SHEET 135	E

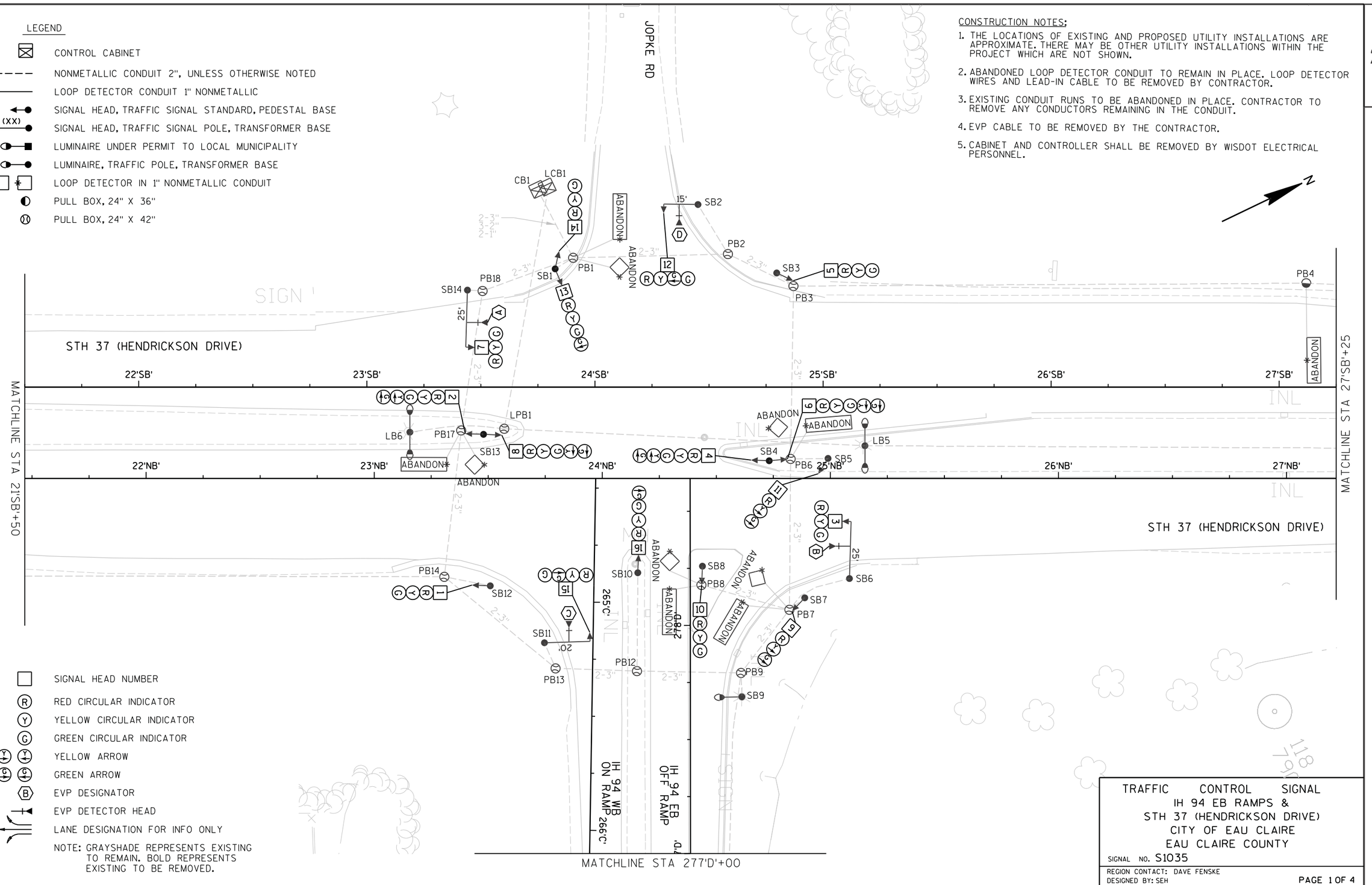
2

LEGEND

- CONTROL CABINET
- NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
- LOOP DETECTOR CONDUIT 1" NONMETALLIC
- SIGNAL HEAD, TRAFFIC SIGNAL STANDARD, PEDESTAL BASE
- (XX) SIGNAL HEAD, TRAFFIC SIGNAL POLE, TRANSFORMER BASE
- LUMINAIRE UNDER PERMIT TO LOCAL MUNICIPALITY
- LUMINAIRE, TRAFFIC POLE, TRANSFORMER BASE
- LOOP DETECTOR IN 1" NONMETALLIC CONDUIT
- PULL BOX, 24" X 36"
- PULL BOX, 24" X 42"

CONSTRUCTION NOTES:

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



- SIGNAL HEAD NUMBER
- (R) RED CIRCULAR INDICATOR
- (Y) YELLOW CIRCULAR INDICATOR
- (G) GREEN CIRCULAR INDICATOR
- YELLOW ARROW
- GREEN ARROW
- (B) EVP DESIGNATOR
- EVP DETECTOR HEAD
- LANE DESIGNATION FOR INFO ONLY

NOTE: GRAYSHADE REPRESENTS EXISTING TO REMAIN. BOLD REPRESENTS EXISTING TO BE REMOVED.

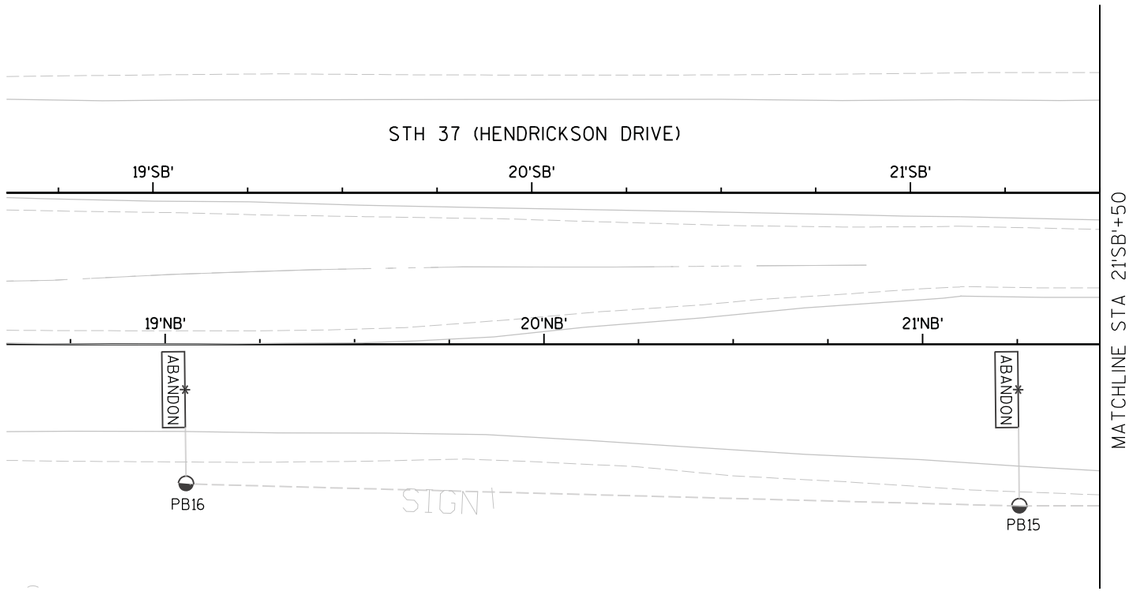
TRAFFIC CONTROL SIGNAL
IH 94 EB RAMPS &
STH 37 (HENDRICKSON DRIVE)
CITY OF EAU CLAIRE
EAU CLAIRE COUNTY

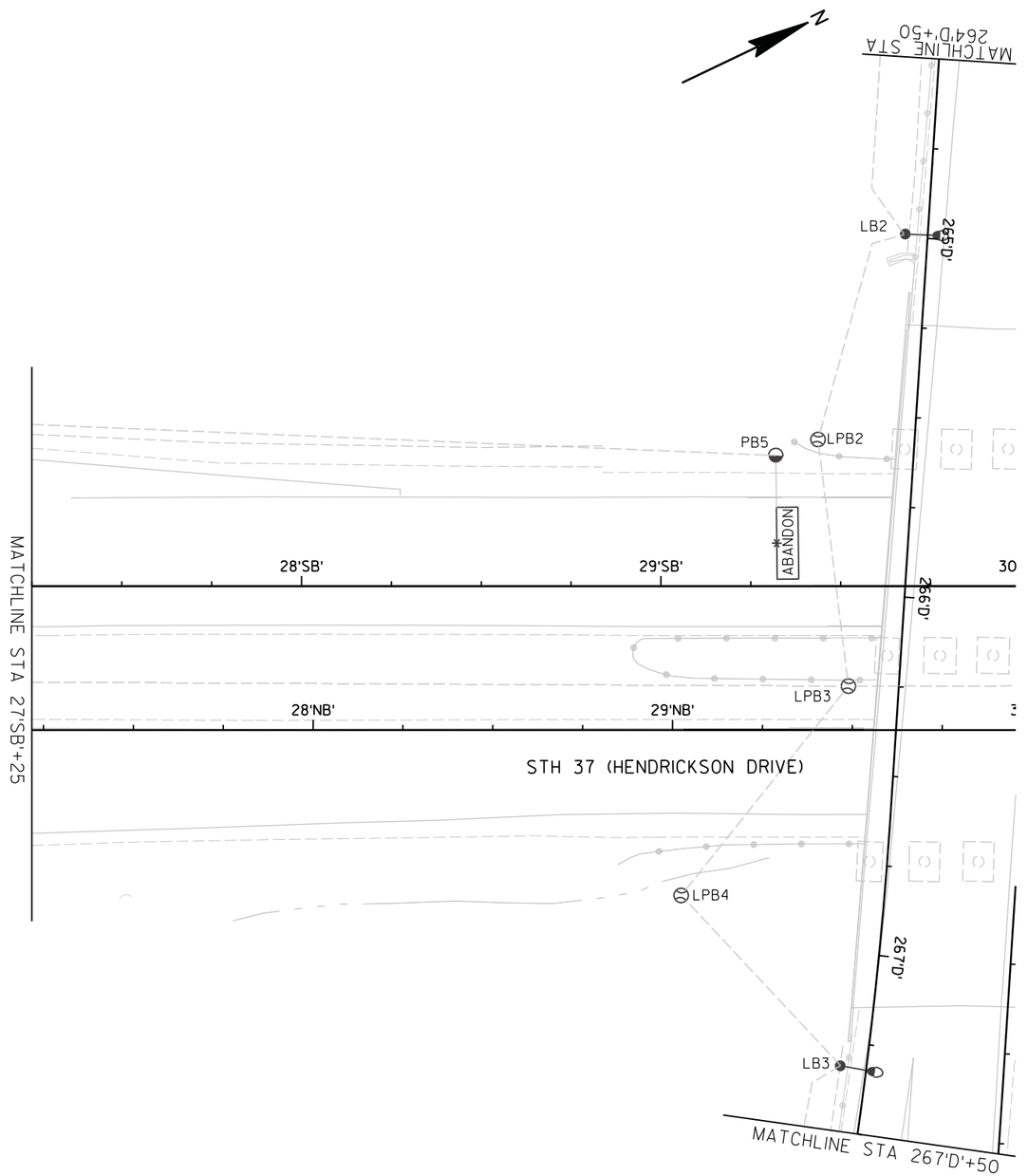
SIGNAL NO. S1035

REGION CONTACT: DAVE FENSKE
DESIGNED BY: SEH
REVISED BY:

PAGE 1 OF 4

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	TRAFFIC SIGNAL REMOVAL PLAN	SHEET 136	E





TRAFFIC CONTROL SIGNAL
IH 94 EB RAMPS &
STH 37 (HENDRICKSON DRIVE)
CITY OF EAU CLAIRE
EAU CLAIRE COUNTY

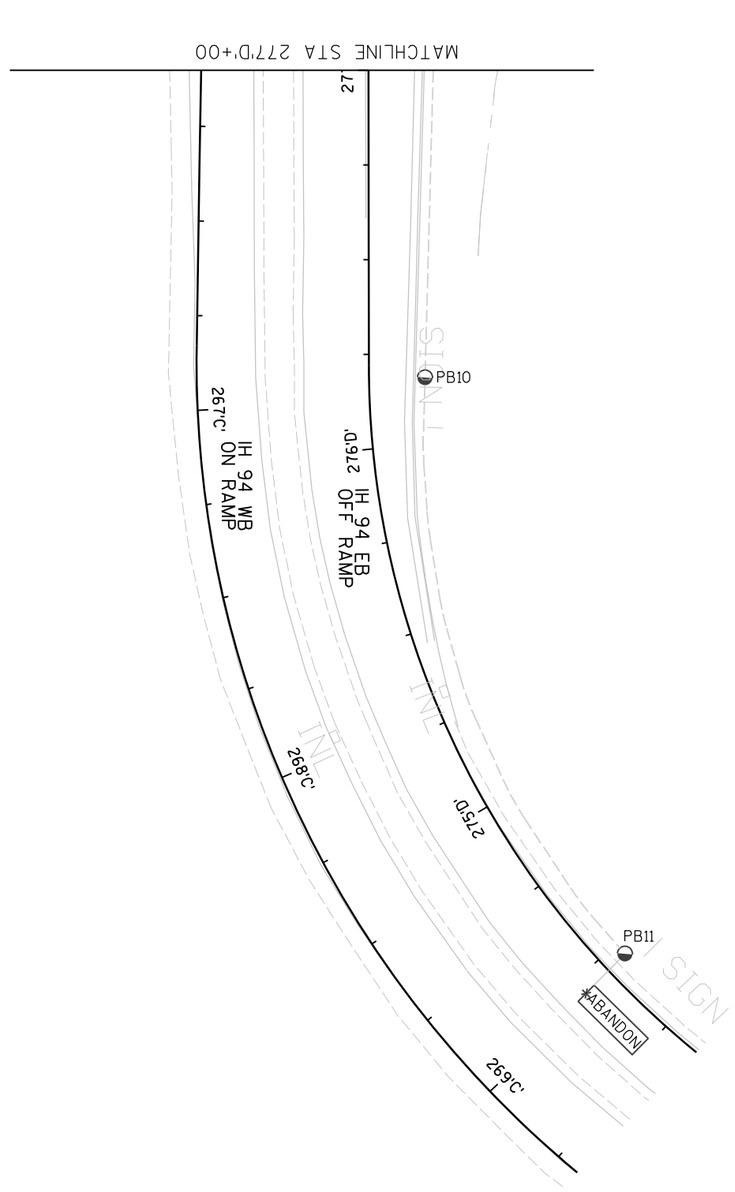
SIGNAL NO. S1035

REGION CONTACT: DAVE FENSKE
DESIGNED BY: SEH
REVISED BY:

PAGE 2 OF 4

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	TRAFFIC SIGNAL REMOVAL PLAN	SHEET 137	E

2



TRAFFIC CONTROL SIGNAL
IH 94 EB RAMPS &
STH 37 (HENDRICKSON DRIVE)
CITY OF EAU CLAIRE
EAU CLAIRE COUNTY

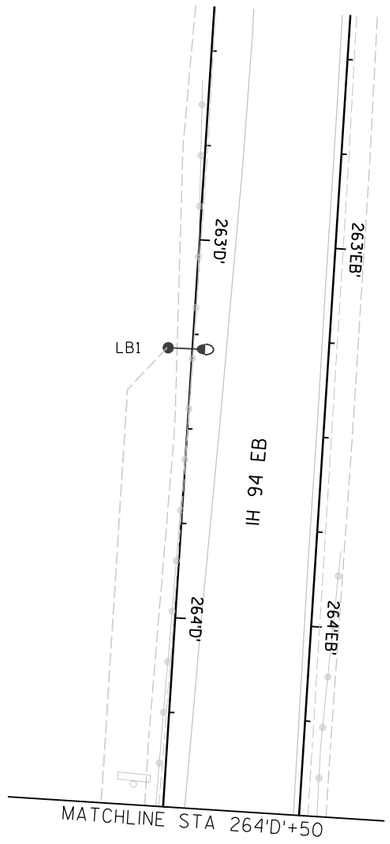
SIGNAL NO. S1035

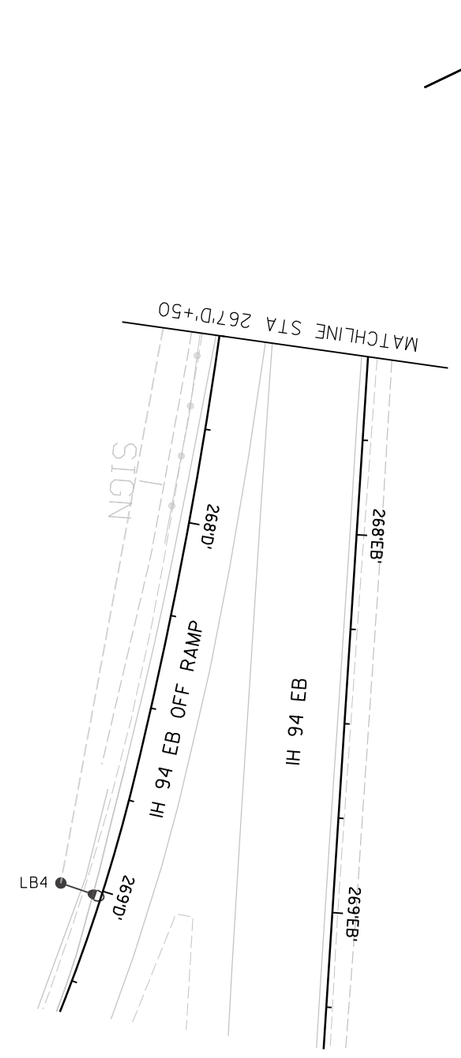
REGION CONTACT: DAVE FENSKE
DESIGNED BY: SEH
REVISED BY:

PAGE 3 OF 3

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	TRAFFIC SIGNAL REMOVAL PLAN	SHEET 138	E

2





TRAFFIC CONTROL SIGNAL
IH 94 EB RAMPS &
STH 37 (HENDRICKSON DRIVE)
CITY OF EAU CLAIRE
EAU CLAIRE COUNTY

SIGNAL NO. S1035

REGION CONTACT: DAVE FENSKE
DESIGNED BY: SEH
REVISED BY:

PAGE 4 OF 4

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	TRAFFIC SIGNAL REMOVAL PLAN	SHEET 139	E

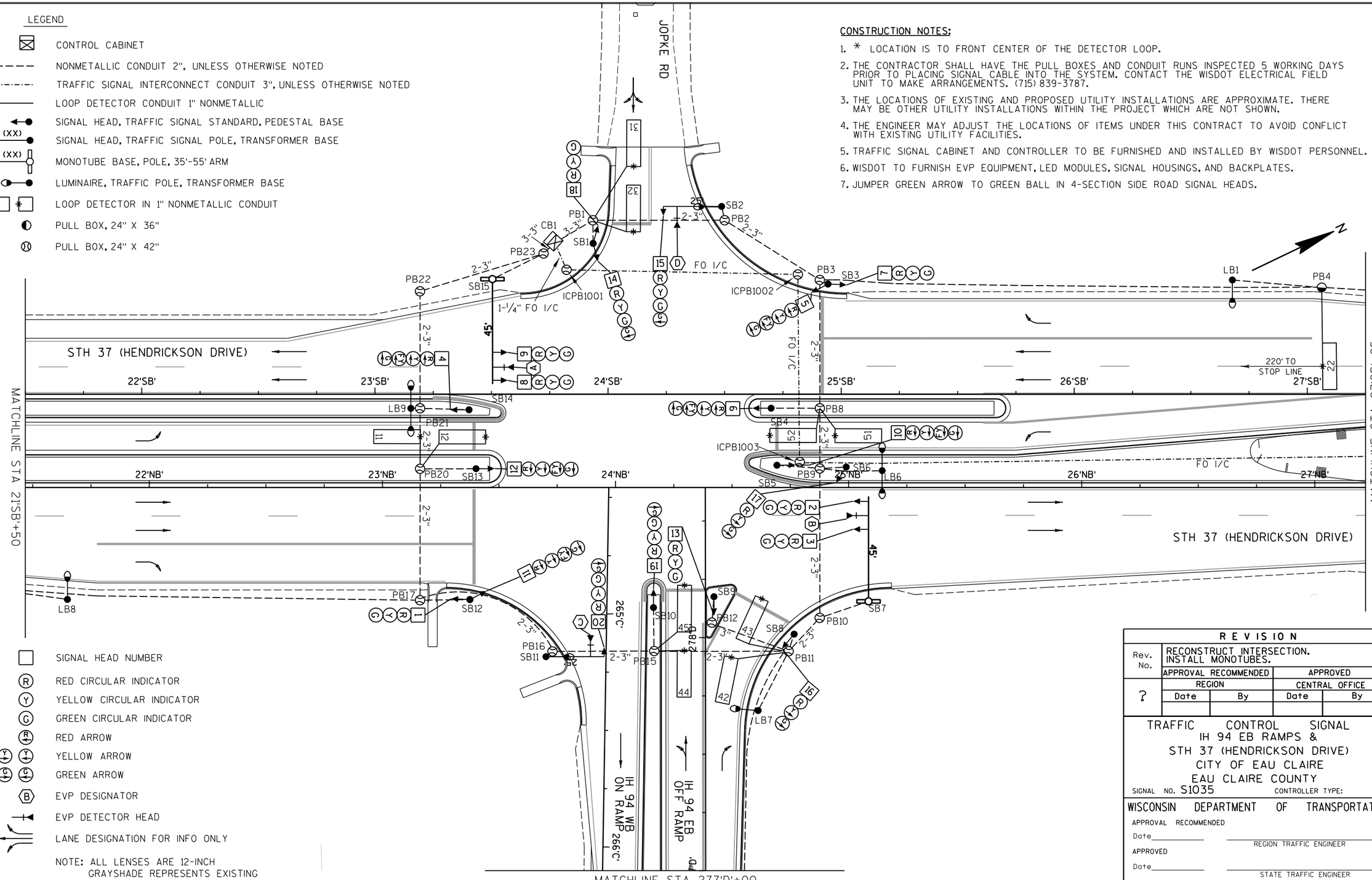
2

LEGEND

- CONTROL CABINET
- NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
- TRAFFIC SIGNAL INTERCONNECT CONDUIT 3", UNLESS OTHERWISE NOTED
- LOOP DETECTOR CONDUIT 1" NONMETALLIC
- SIGNAL HEAD, TRAFFIC SIGNAL STANDARD, PEDESTAL BASE
- (XX) SIGNAL HEAD, TRAFFIC SIGNAL POLE, TRANSFORMER BASE
- (XX) MONOTUBE BASE, POLE, 35'-55' ARM
- LUMINAIRE, TRAFFIC POLE, TRANSFORMER BASE
- LOOP DETECTOR IN 1" NONMETALLIC CONDUIT
- PULL BOX, 24" X 36"
- PULL BOX, 24" X 42"

CONSTRUCTION NOTES:

1. * LOCATION IS TO FRONT CENTER OF THE DETECTOR LOOP.
2. THE CONTRACTOR SHALL HAVE THE PULL BOXES AND CONDUIT RUNS INSPECTED 5 WORKING DAYS PRIOR TO PLACING SIGNAL CABLE INTO THE SYSTEM. CONTACT THE WISDOT ELECTRICAL FIELD UNIT TO MAKE ARRANGEMENTS. (715) 839-3787.
3. THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT WHICH ARE NOT SHOWN.
4. THE ENGINEER MAY ADJUST THE LOCATIONS OF ITEMS UNDER THIS CONTRACT TO AVOID CONFLICT WITH EXISTING UTILITY FACILITIES.
5. TRAFFIC SIGNAL CABINET AND CONTROLLER TO BE FURNISHED AND INSTALLED BY WISDOT PERSONNEL.
6. WISDOT TO FURNISH EVP EQUIPMENT, LED MODULES, SIGNAL HOUSINGS, AND BACKPLATES.
7. JUMPER GREEN ARROW TO GREEN BALL IN 4-SECTION SIDE ROAD SIGNAL HEADS.



- SIGNAL HEAD NUMBER
- (R) RED CIRCULAR INDICATOR
- (Y) YELLOW CIRCULAR INDICATOR
- (G) GREEN CIRCULAR INDICATOR
- RED ARROW
- YELLOW ARROW
- GREEN ARROW
- (B) EVP DESIGNATOR
- EVP DETECTOR HEAD
- LANE DESIGNATION FOR INFO ONLY

NOTE: ALL LENSES ARE 12-INCH
GRAYSHADE REPRESENTS EXISTING

REVISION				
Rev. No.	RECONSTRUCT INTERSECTION. INSTALL MONOTUBES.			
	APPROVAL RECOMMENDED		APPROVED	
?	REGION		CENTRAL OFFICE	
	Date	By	Date	By

TRAFFIC CONTROL SIGNAL
IH 94 EB RAMPS &
STH 37 (HENDRICKSON DRIVE)
CITY OF EAU CLAIRE
EAU CLAIRE COUNTY

SIGNAL NO. S1035 CONTROLLER TYPE:

WISCONSIN DEPARTMENT OF TRANSPORTATION

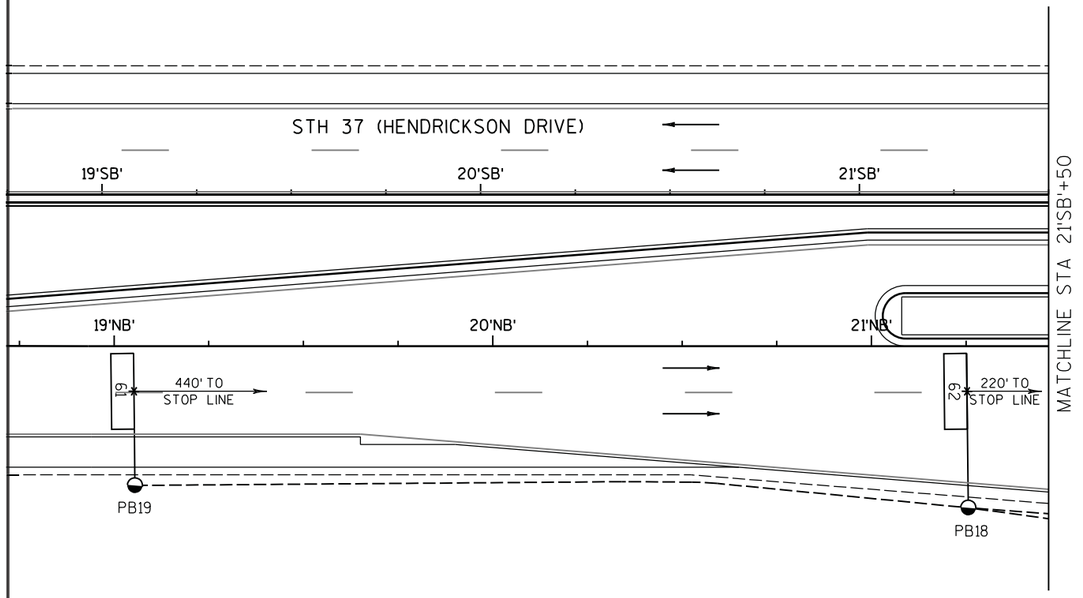
APPROVAL RECOMMENDED
Date _____ REGION TRAFFIC ENGINEER

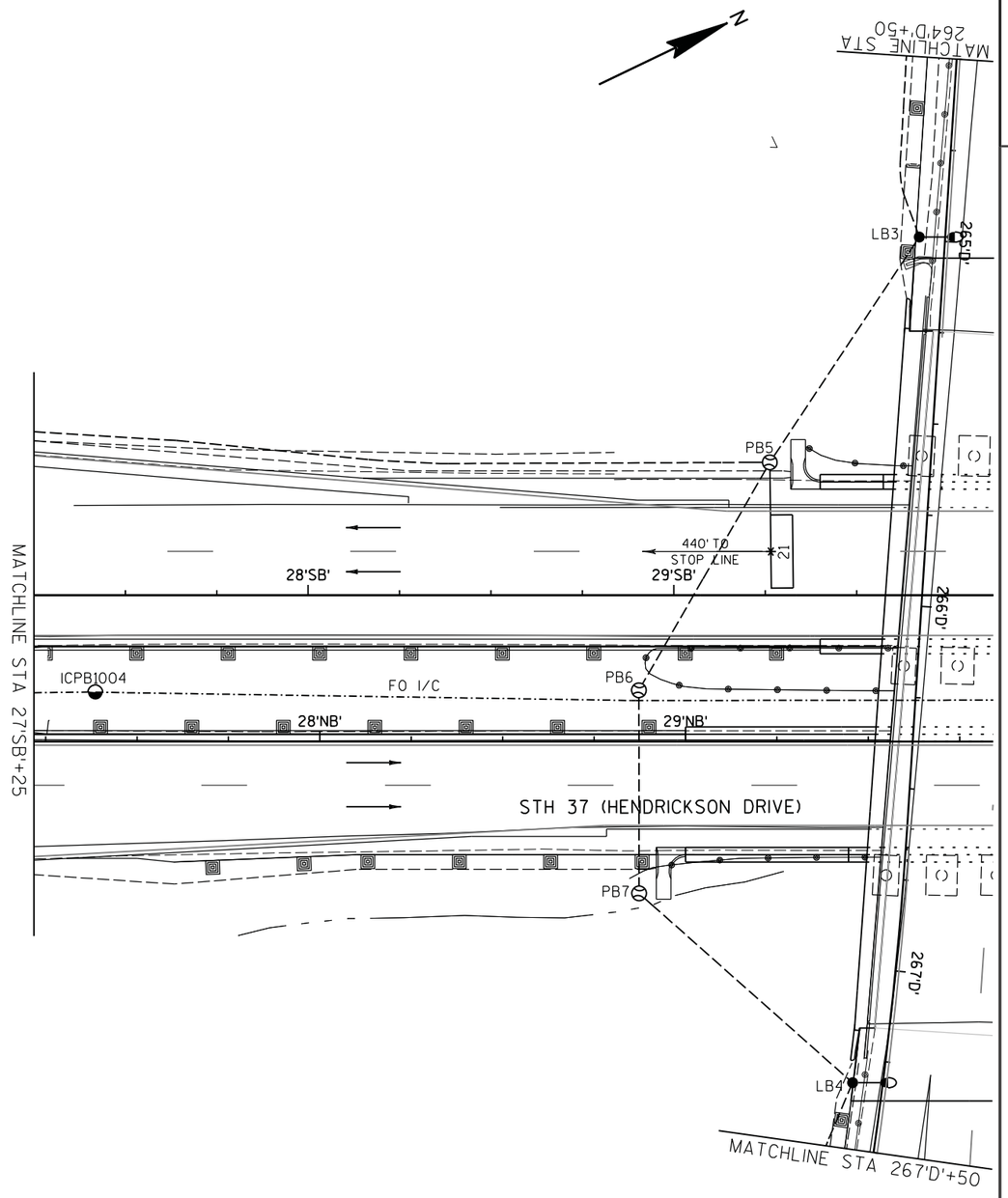
APPROVED
Date _____ STATE TRAFFIC ENGINEER

REGION CONTACT: DAVE FENSKE
DESIGNED BY: SEH
REVISED BY:

PAGE 1 OF 5

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	TRAFFIC SIGNAL PLAN	SHEET 140	E





TRAFFIC CONTROL SIGNAL
IH 94 EB RAMPS &
STH 37 (HENDRICKSON DRIVE)
CITY OF EAU CLAIRE
EAU CLAIRE COUNTY

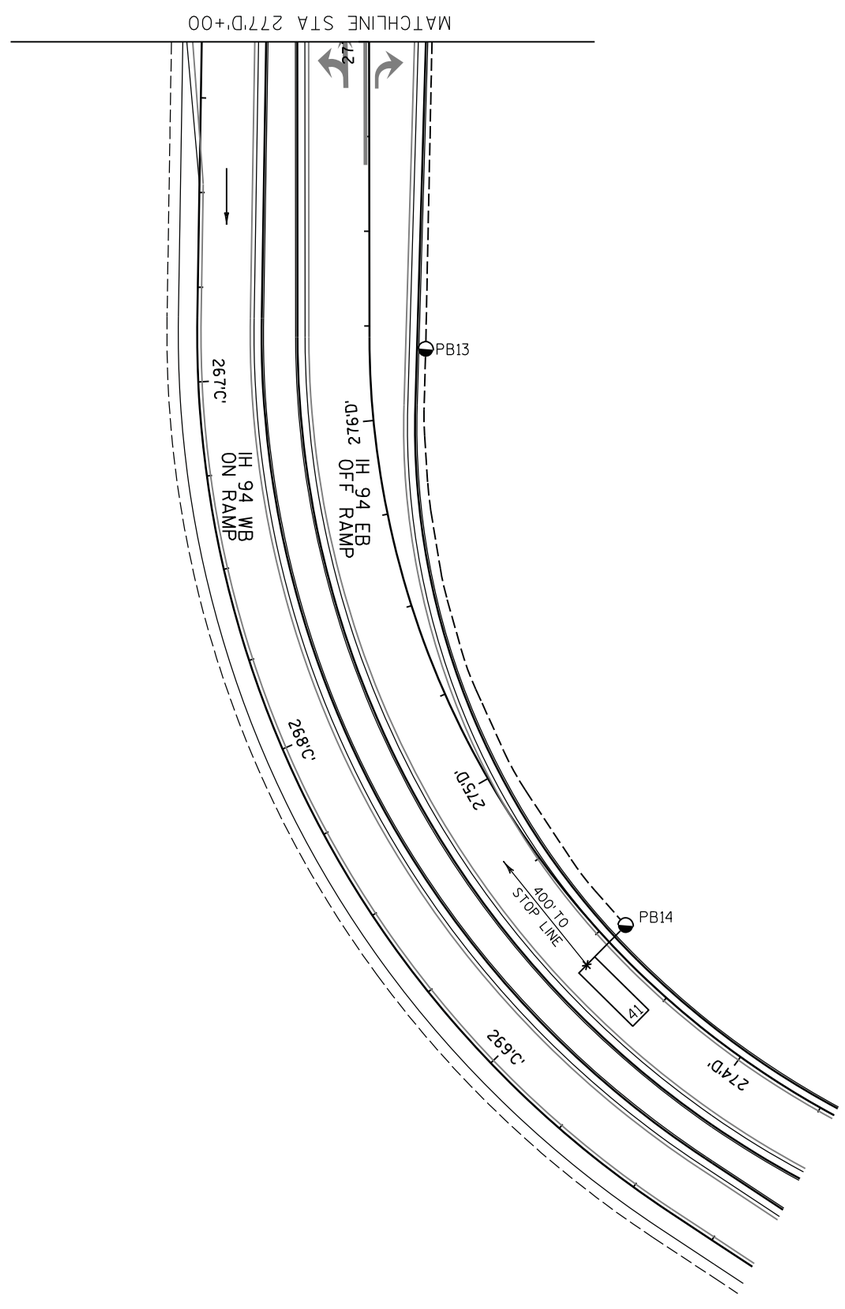
SIGNAL NO. S1035

REGION CONTACT: DAVE FENSKE
DESIGNED BY: SEH
REVISED BY:

PAGE 2 OF 5

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	TRAFFIC SIGNAL PLAN	SHEET 141	E

2



TRAFFIC CONTROL SIGNAL
IH 94 EB RAMPS &
STH 37 (HENDRICKSON DRIVE)
CITY OF EAU CLAIRE
EAU CLAIRE COUNTY

SIGNAL NO. S1035

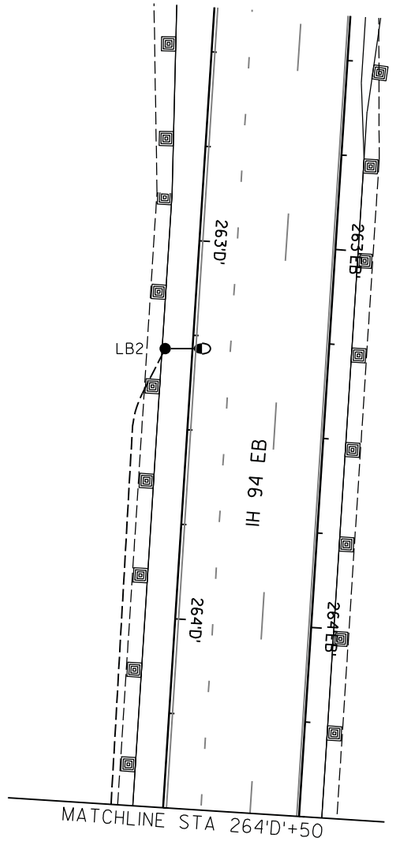
REGION CONTACT: DAVE FENSKE
DESIGNED BY: SEH
REVISED BY:

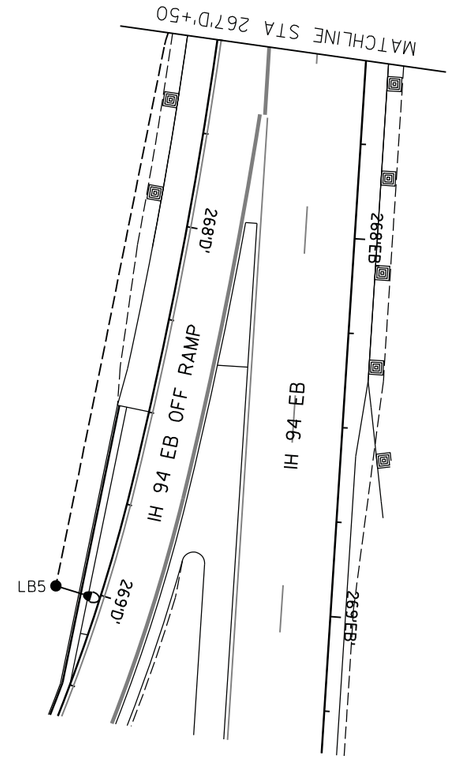
PAGE 3 OF 5

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	TRAFFIC SIGNAL PLAN	SHEET 142	E

FILE NAME : Z:\UZ\W\Witnw\111449\Cad Final Design\024017_SP.dgn PLOT TIME : 2:38:29 PM PLOT DATE : 3/1/2013 PLOT BY : SEH PLOT NAME : PLOT SCALE : N/A

2





TRAFFIC CONTROL SIGNAL
IH 94 EB RAMPS &
STH 37 (HENDRICKSON DRIVE)
CITY OF EAU CLAIRE
EAU CLAIRE COUNTY

SIGNAL NO. S1035

REGION CONTACT: DAVE FENSKE
DESIGNED BY: SEH
REVISED BY:

PAGE 4 OF 5

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	TRAFFIC SIGNAL PLAN	SHEET 143	E

SEQUENCE OF OPERATION

RING 1

	HEAD NUMBERS	Ø1 R/W	Ø1 CLEAR TO **	Ø2 R/W	Ø2 CLEAR TO **	Ø3 R/W	Ø3 CLEAR TO **	Ø4 R/W	Ø4 CLEAR TO **	FLASH
Ø1	4,5,6	G	- -	-	- -	-	- -	-	- -	-
Ø2	7,8,9	R	R R	G	Y R	R	R R	R	R R	R
Ø3	18,19,20	R	R R	R	R R	G,G	Y R	R	R R	R
Ø4	13,14,15	R	R R	R	R R	R	R R	G,G	Y R	R
Ø5	10,11,12	-	- -	-	- -	-	- -	-	- -	-
Ø6	1,2,3	R	R R	R	R R	R	R R	R	R R	R
Ø7										
Ø8										
ØLA	4,5,6	-	Y R	FY	Y R	R	R R	R	R R	R
ØLB										
ØLC	10,11,12	R	R R	R	R R	R	R R	R	R R	R
ØLD										
ØLE	16,17	R	R R	R	R R	R	R R	G	Y R	R
Ø2P										
Ø4P										
Ø6P										
Ø8P										

RING 2

	HEAD NUMBERS	Ø5 R/W	Ø5 CLEAR TO **	Ø6 R/W	Ø6 CLEAR TO **	Ø7 R/W	Ø7 CLEAR TO **	Ø8 R/W	Ø8 CLEAR TO **
Ø1	4,5,6	-	- -	-	- -				
Ø2	7,8,9	R	R R	R	R R				
Ø3	18,19,20	R	R R	R	R R				
Ø4	13,14,15	R	R R	R	R R				
Ø5	10,11,12	G	- -	-	- -				
Ø6	1,2,3	R	R R	G	Y R				
Ø7									
Ø8									
ØLA	4,5,6	R	R R	R	R R				
ØLB									
ØLC	10,11,12	-	Y R	FY	Y R				
ØLD									
ØLE	16,17	G	Y R	R	R R				
Ø2P									
Ø4P									
Ø6P									
Ø8P									

BARRIER

NOT USED

NOT USED

DETECTOR LOGIC

DETECTOR NUMBER	AMPLIFIER CHANNEL NUMBER	DETECTOR OPERATION: CALLS AND EXTENDS	DETECTOR OPERATION: CALLS ONLY	DETECTOR OPERATION: EXTENDS ONLY	PHASE CALLED	PHASE EXTENDED	DETECTOR DISCONNECT PHASE	CALLING DELAY	EXTENSION STRETCH	LOOP SIZE (FEET)	NUMBER OF TURNS
11	1	X			1	1				6X20	3
12	1	X			1	1				6X20	4
21	2	X			2	2				6X20	3
22	3	X			2	2				6X20	4
31	4	X			3	3				6X20	3
32	4	X			3	3				6X20	4
41*	5		X		4					6X20	3
42	6	X			4	4				6X20	4
43	6	X			4	4		X		6X20	3
44	7	X			4	4				6X20	3
45	7	X			4	4				6X20	4
51	8	X			5	5				6X20	3
52	8	X			5	5				6X20	4
61	9	X			6	6				6X20	3
62	10	X			6	6				6X20	4

*LOOP 41 UTILIZES A PROGRAMMABLE TIMER RELAY TO SEPERATE THE EVP CHANNEL FROM THE QUEUE LOOP CHANNEL.

CONTROLLER LOGIC

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

SPECIAL OVERLAPS

	PROTECTED	PERMISSIVE
O.L. "A"	1	2
O.L. "B"		
O.L. "C"	5	6
O.L. "D"		

OVERLAPS

O.L. "E" = 4,5
O.L. "F" =
O.L. "G" =
O.L. "H" =

CHART 1

PHASE ON	NONCONFLICTING PHASE ALLOWED TO TIME CONCURRENTLY	PHASES IN CONFLICT WITH PHASE ON
1	5 OR 6	2,3,4
2	5 OR 6	1,3,4
3	NONE	1,2,4,5,6
4	NONE	1,2,3,5,6
5	1 OR 2	3,4,6
6	1 OR 2	3,4,5
7		
8		

TYPE OF INTERCONNECT COMMUNICATION	
NONE	
TBC	
CLOSED LOOP TWISTED PAIR*	
CLOSED LOOP FIBER OPTIC*	X
FIBER OPTIC	
RADIO	
*LOCATION OF MASTER CONTROLLER NO:	S-
SIGNAL SYSTEM #:	SS- -

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

TYPE OF PRE-EMPT	
NONE	
RAILROAD	
EMERGENCY VEHICLE	X
3M	
TOMAR	
HARDWIRE	
OTHER	
LIFT BRIDGE	
QUEUE DETECTOR	X

EMERGENCY VEHICLE PREEMPTION SEQUENCE

EMERGENCY VEHICLE PREEMPTOR	CHANNEL A	CHANNEL B	CHANNEL C	CHANNEL D
MOVEMENT	FY	FY		
PHASE	2+5	6+1	3	4

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

AFTER PREEMPTION SEQUENCE 3, CONTROLLER SHALL RETURN TO PHASE 3.

AFTER PREEMPTION SEQUENCE 4, CONTROLLER SHALL RETURN TO PHASE 4.

GENERAL NOTES:

1. ANY ACTUATED PHASE FOR WHICH THERE IS NO CALL SHALL BE SKIPPED.
2. WHEN ONE PHASE IS ON ALONE, ANY NONCONFLICTING PHASE MAY START TIMING CONCURRENTLY WITHOUT A CLEARANCE INTERVAL. (SEE CHART 1 AT LEFT.)

** CLEARANCE TO A PHASE IN CONFLICT WITH THIS PHASE ON (SEE CHART 1)

IH 94 EB RAMPS &
STH 37 (HENDRICKSON DRIVE)
CITY OF EAU CLAIRE
EAU CLAIRE COUNTY

SIGNAL NO. S1035

CONTROLLER TYPE:

DATE 03/13 PAGE NO. 5 OF 5

PROJECT ID:	1022-08-73
INTERSECTION:	IH 94 EB RAMPS & STH 37 (HENDRICKSON DRIVE)

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

CB_ TO	JUMPER	AWG 14 # OF COND.	HEAD NO.	PHASE	SIGNAL INDICATION WIRE COLOR									PED BUTTON	OTHER
					RED	YELLOW	GREEN	<RED>	<YELLOW>	<GREEN>	<FLASHING> <YELLOW>	D/WALK	WALK		
SB1		12	14	4	RED	ORG	GRN			GRN					
			18	3	RED/BLK	ORG/BLK	GRN/BLK								
SB2		5	15	4	RED	ORG	GRN			GRN					
SB3		12	5	1				RED/BLK	ORG/BLK	GRN/BLK	WHT/BLK				
			7	2	RED	ORG	GRN								
SB4		5	6	1				RED	ORG	GRN	BLK				
SB5		5	10	5				RED	ORG	GRN	BLK				
SB6		5	17	4	RED				ORG	GRN					
SB7		5	2	6	RED	ORG	GRN								
			3	6	RED	ORG	GRN								
SB8		5	16	4	RED				ORG	GRN					
SB9		5	13	4	RED	ORG	GRN								
SB10		5	19	3	RED	ORG	GRN			GRN					
SB11		5	20	3	RED	ORG	GRN			GRN					
SB12		12	1	6	RED	ORG	GRN								
			11	5				RED/BLK	ORG/BLK	GRN/BLK	WHT/BLK				
SB13		5	12	5				RED	ORG	GRN	BLK				
SB14		5	4	1				RED	ORG	GRN	BLK				
SB15		5	8	2	RED	ORG	GRN								
			9	2	RED	ORG	GRN								

EQUIPMENT GROUNDING	
FROM	TO
CB1	SB1
SB1	SB2
SB2	SB3
SB3	SB4
SB4	SB5
SB5	SB6
SB6	SB7
SB7	SB8
SB8	SB9
SB9	SB10
SB10	SB11
SB11	SB12
SB12	SB13
SB13	SB14
SB14	SB15
SB15	CB1

PULL BOX BONDING JUMPER 10	
FROM	TO
PB1	SB1
PB2	SB2
PB3	SB3
PB4	LB1
PB5	LB3
PB6	LB4
PB7	LB4
PB8	SB4
PB9	SB6
PB10	SB7
PB11	SB8
PB12	SB9
PB15	SB10
PB16	SB11
PB17	SB12
PB20	SB13
PB21	SB14
PB22	CB1
PB23	CB1

LIGHTING UF 2-12 AWG	
FROM	TO
CB1	SB2
SB2	LB1
LB1	LB3
LB1	LB4
LB3	LB2
LB4	LB5
CB1	LB9
LB9	LB8
LB8	LB7

EVP CABLE	
FROM	TO
CB1	SB15 (HEAD A)
CB1	SB7 (HEAD B)
CB1	SB11 (HEAD C)
CB1	SB2 (HEAD D)

*USE THE WHITE CONDUCTOR IN THE CABLE ASSEMBLY AS THE GROUNDED CONDUCTOR FOR ALL TRAFFIC SIGNAL INDICATIONS
*ENSURE THE GROUNDED CONDUCTOR IN THE FEEDER CABLE AND THE POLE CABLES ARE BOTH 12" LONGER THAN THE UNGROUNDED CONDUCTORS.
*AT THE SIGNAL BASES, CONNECT ONE TERMINAL FROM THE PEDESTRAIN PUSH BUTTONS TO THE COLOR INDICATED IN THE CHART. CONNECT THE OTHER TERMINAL TO THE GROUNDED CONDUCTOR.
"OTHER" COLUMN MAY INCLUDE SAHDOW BOX SIGN
*INSTALL SEPARATE CABLE FOR EACH SIGNAL HEAD ON MONOTUBE, TERMINIATE IN MONOTUBE BASE.
*MARK SIGNAL CABLES WITH SIGNAL BASE NUMBER AT BOTHENDS OF CABLE.

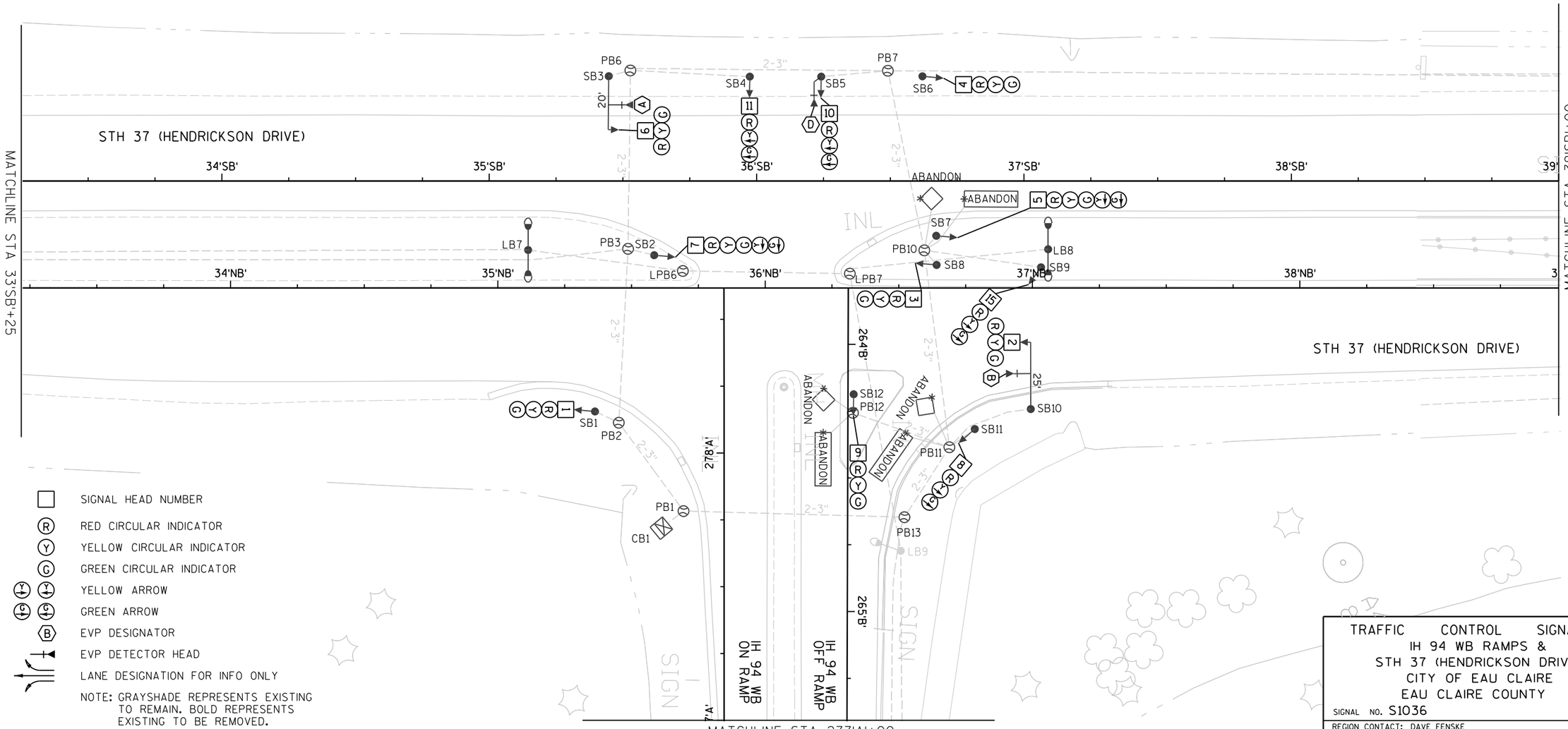
2

LEGEND

- CONTROL CABINET
- NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
- LOOP DETECTOR CONDUIT 1" NONMETALLIC
- SIGNAL HEAD, TRAFFIC SIGNAL STANDARD, PEDESTAL BASE
- (XX) SIGNAL HEAD, TRAFFIC SIGNAL POLE, TRANSFORMER BASE
- LUMINAIRE UNDER PERMIT TO LOCAL MUNICIPALITY
- LUMINAIRE, TRAFFIC POLE, TRANSFORMER BASE
- LOOP DETECTOR IN 1" NONMETALLIC CONDUIT
- PULL BOX, 24" X 36"
- PULL BOX, 24" X 42"

CONSTRUCTION NOTES:

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



- SIGNAL HEAD NUMBER
- (R) RED CIRCULAR INDICATOR
- (Y) YELLOW CIRCULAR INDICATOR
- (G) GREEN CIRCULAR INDICATOR
- (Y) (Y) YELLOW ARROW
- (G) (G) GREEN ARROW
- (B) EVP DESIGNATOR
- EVP DETECTOR HEAD
- LANE DESIGNATION FOR INFO ONLY

NOTE: GRAYSHADE REPRESENTS EXISTING TO REMAIN. BOLD REPRESENTS EXISTING TO BE REMOVED.

TRAFFIC CONTROL SIGNAL
IH 94 WB RAMPS &
STH 37 (HENDRICKSON DRIVE)
CITY OF EAU CLAIRE
EAU CLAIRE COUNTY

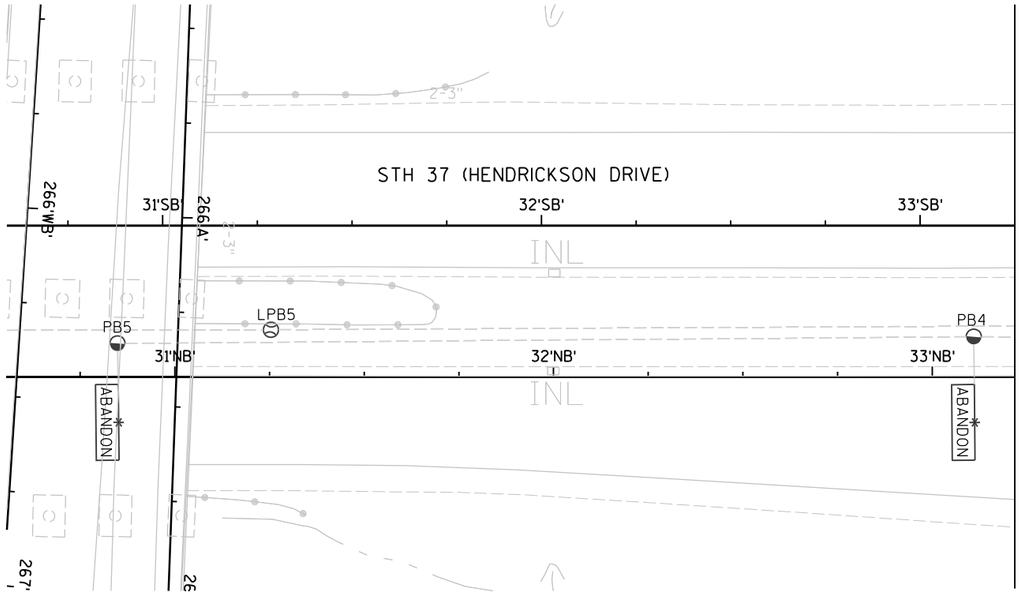
SIGNAL NO. S1036

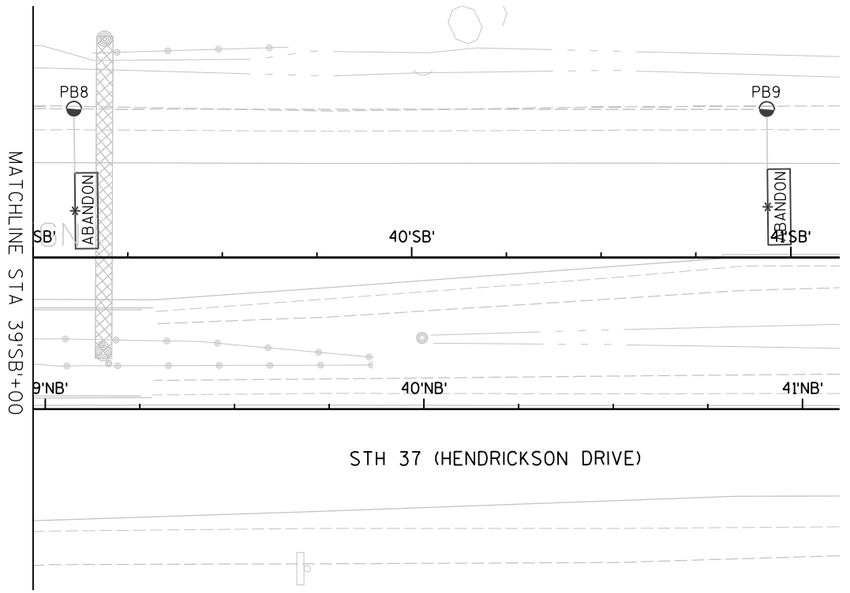
REGION CONTACT: DAVE FENSKE
DESIGNED BY: SEH
REVISED BY:

PAGE 1 OF 4

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	TRAFFIC SIGNAL REMOVAL PLAN	SHEET 146	E

2





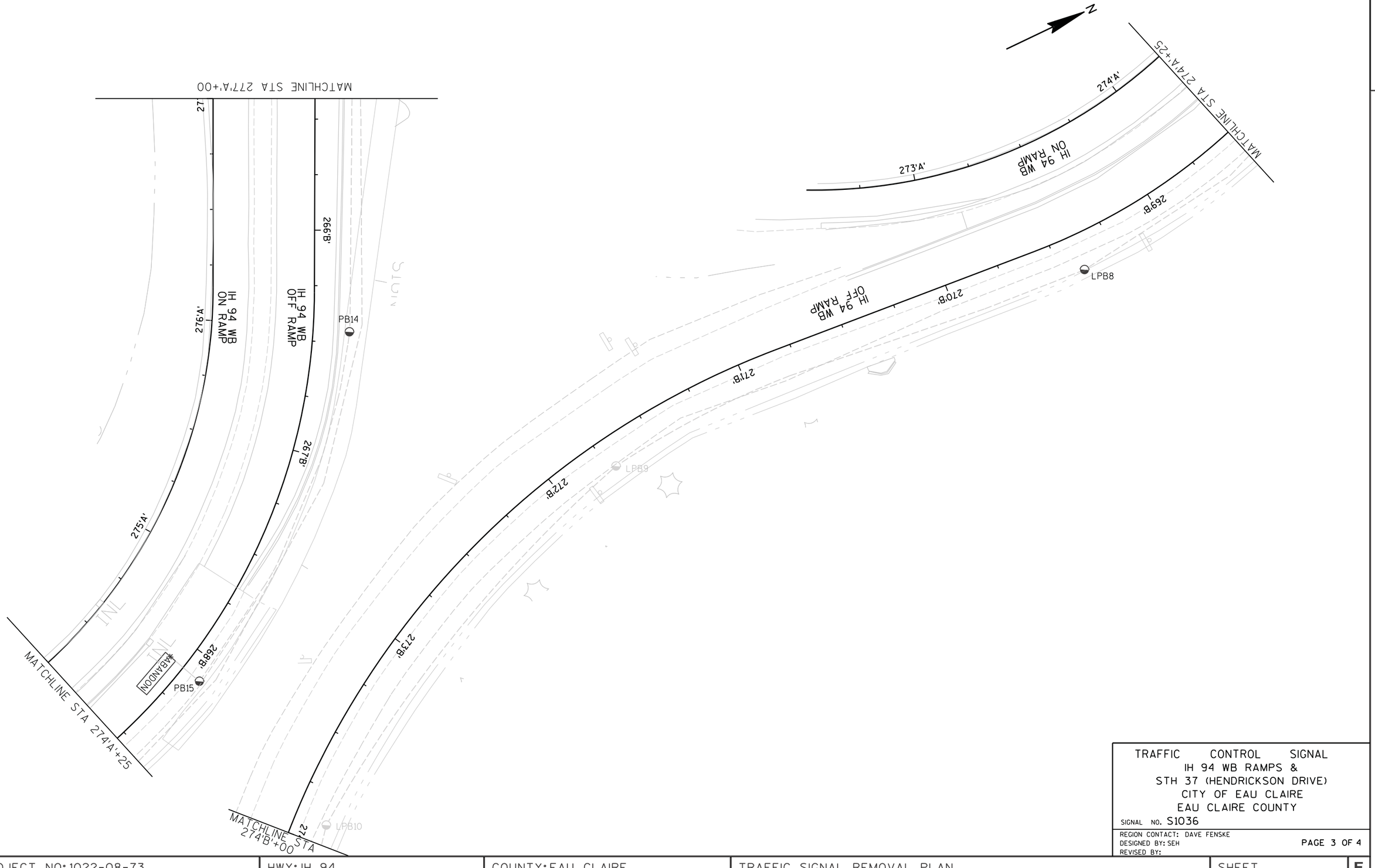
TRAFFIC CONTROL SIGNAL
IH 94 WB RAMPS &
STH 37 (HENDRICKSON DRIVE)
CITY OF EAU CLAIRE
EAU CLAIRE COUNTY

SIGNAL NO. S1036

REGION CONTACT: DAVE FENSKE
DESIGNED BY: SEH
REVISED BY:

PAGE 2 OF 4

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	TRAFFIC SIGNAL REMOVAL PLAN	SHEET 147	E



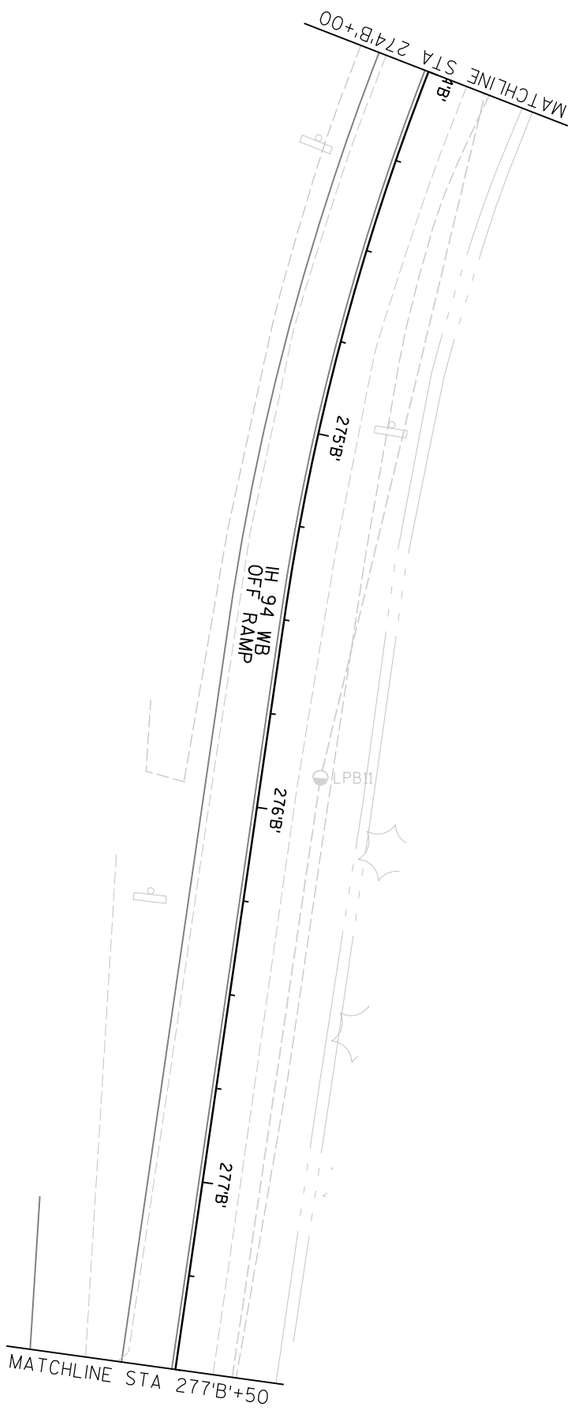
TRAFFIC CONTROL SIGNAL
IH 94 WB RAMPS &
STH 37 (HENDRICKSON DRIVE)
CITY OF EAU CLAIRE
EAU CLAIRE COUNTY

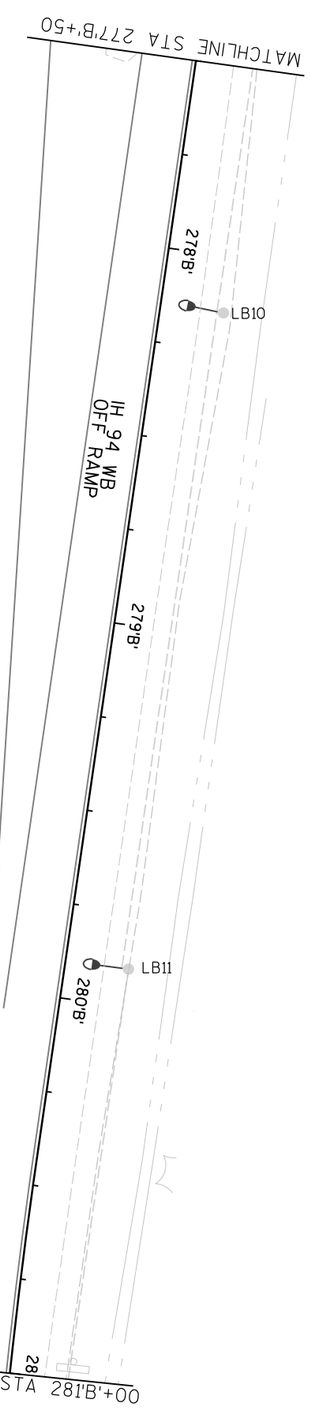
SIGNAL NO. S1036

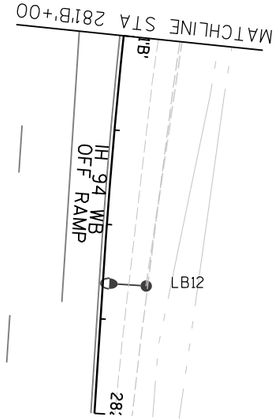
REGION CONTACT: DAVE FENSKE
DESIGNED BY: SEH
REVISED BY:

PAGE 3 OF 4

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	TRAFFIC SIGNAL REMOVAL PLAN	SHEET 148	E









TRAFFIC CONTROL SIGNAL
IH 94 WB RAMPS &
STH 37 (HENDRICKSON DRIVE)
CITY OF EAU CLAIRE
EAU CLAIRE COUNTY

SIGNAL NO. S1036

REGION CONTACT: DAVE FENSKE
DESIGNED BY: SEH
REVISED BY:

PAGE 4 OF 4

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	TRAFFIC SIGNAL REMOVAL PLAN	SHEET 149	E

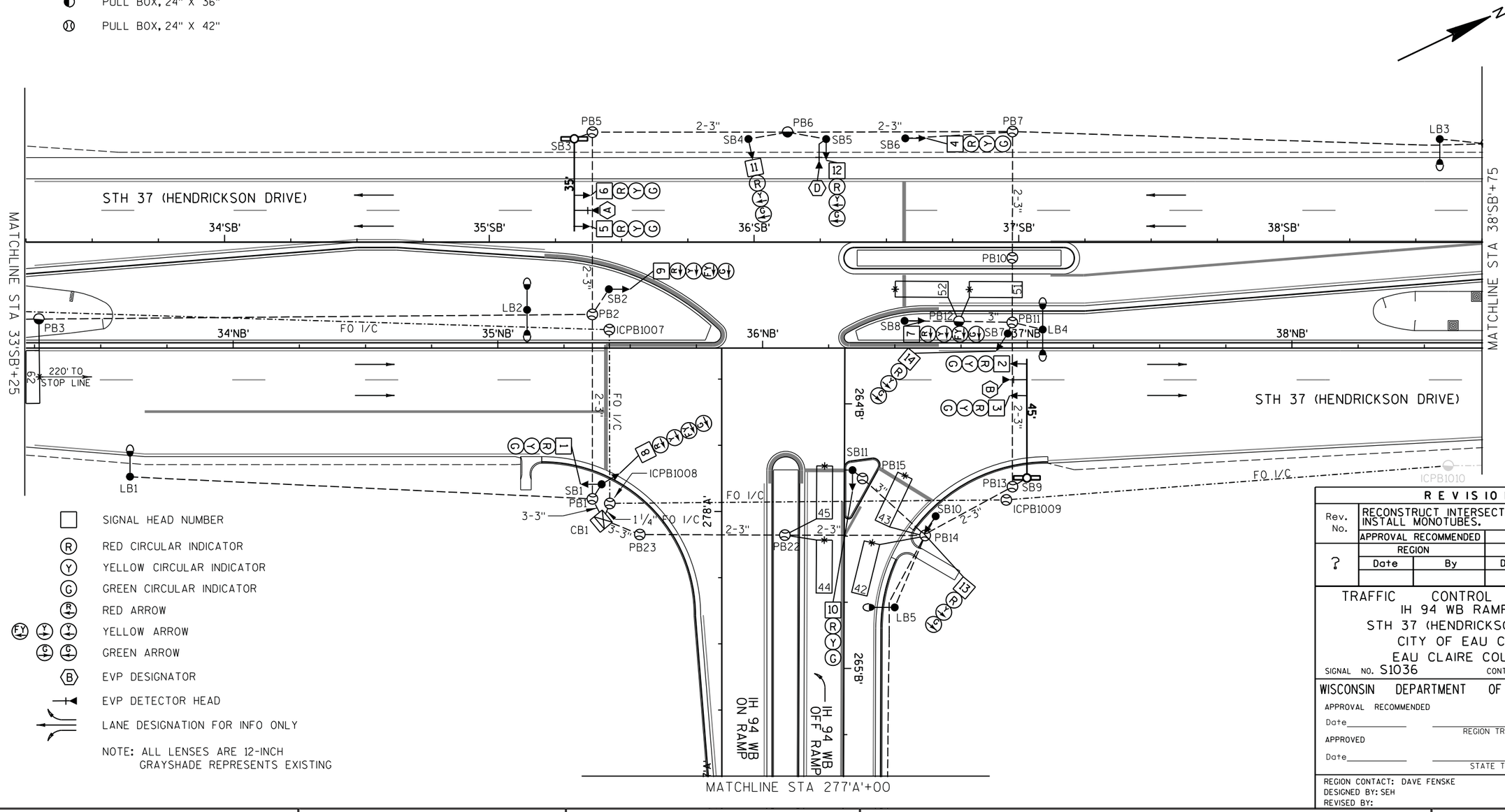
2

LEGEND

- CONTROL CABINET
- NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
- TRAFFIC SIGNAL INTERCONNECT CONDUIT 3", UNLESS OTHERWISE NOTED
- LOOP DETECTOR CONDUIT 1" NONMETALLIC
- SIGNAL HEAD, TRAFFIC SIGNAL STANDARD, PEDESTAL BASE
- (XX) MONOTUBE BASE, POLE, 35'-55' ARM
- LUMINAIRE, TRAFFIC POLE, TRANSFORMER BASE
- LOOP DETECTOR IN 1" NONMETALLIC CONDUIT
- PULL BOX, 24" X 36"
- PULL BOX, 24" X 42"

CONSTRUCTION NOTES:

1. * LOCATION IS TO FRONT CENTER OF THE DETECTOR LOOP.
2. THE CONTRACTOR SHALL HAVE THE PULL BOXES AND CONDUIT RUNS INSPECTED 5 WORKING DAYS PRIOR TO PLACING SIGNAL CABLE INTO THE SYSTEM. CONTACT THE WISDOT ELECTRICAL FIELD UNIT TO MAKE ARRANGEMENTS. (715) 839-3787.
3. THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT WHICH ARE NOT SHOWN.
4. THE ENGINEER MAY ADJUST THE LOCATIONS OF ITEMS UNDER THIS CONTRACT TO AVOID CONFLICT WITH EXISTING UTILITY FACILITIES.
5. TRAFFIC SIGNAL CABINET AND CONTROLLER TO BE FURNISHED AND INSTALLED BY WISDOT PERSONNEL.
6. WISDOT TO FURNISH EVP EQUIPMENT, LED MODULES, SIGNAL HOUSINGS, AND BACKPLATES.
7. JUMPER GREEN ARROW TO GREEN BALL IN 4-SECTION SIDE ROAD SIGNAL HEADS.
8. PULL EXISTING FO I/C TO SHORT ROAD INTO EXISTING ICPB1010 AND PROTECT FROM DAMAGE UNTIL CB1 HAS BEEN INSTALLED.



- SIGNAL HEAD NUMBER
- R RED CIRCULAR INDICATOR
- Y YELLOW CIRCULAR INDICATOR
- G GREEN CIRCULAR INDICATOR
- R RED ARROW
- FY Y Y YELLOW ARROW
- G G GREEN ARROW
- B EVP DESIGNATOR
- EVP DETECTOR HEAD
- LANE DESIGNATION FOR INFO ONLY

NOTE: ALL LENSES ARE 12-INCH
GRAYSHADE REPRESENTS EXISTING

REVISION				
Rev. No.	RECONSTRUCT INTERSECTION. INSTALL MONOTUBES.			
	APPROVAL RECOMMENDED		APPROVED	
?	REGION		CENTRAL OFFICE	
	Date	By	Date	By

TRAFFIC CONTROL SIGNAL
IH 94 WB RAMPS &
STH 37 (HENDRICKSON DRIVE)
CITY OF EAU CLAIRE
EAU CLAIRE COUNTY

SIGNAL NO. S1036 CONTROLLER TYPE:

WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVAL RECOMMENDED

Date_____ REGION TRAFFIC ENGINEER

APPROVED

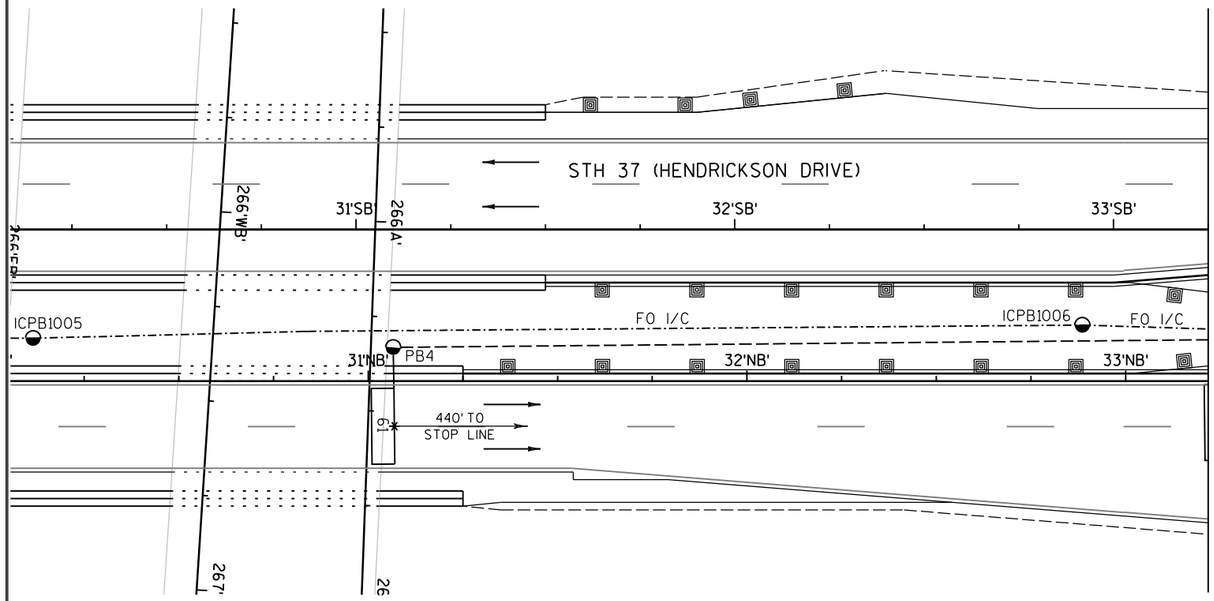
Date_____ STATE TRAFFIC ENGINEER

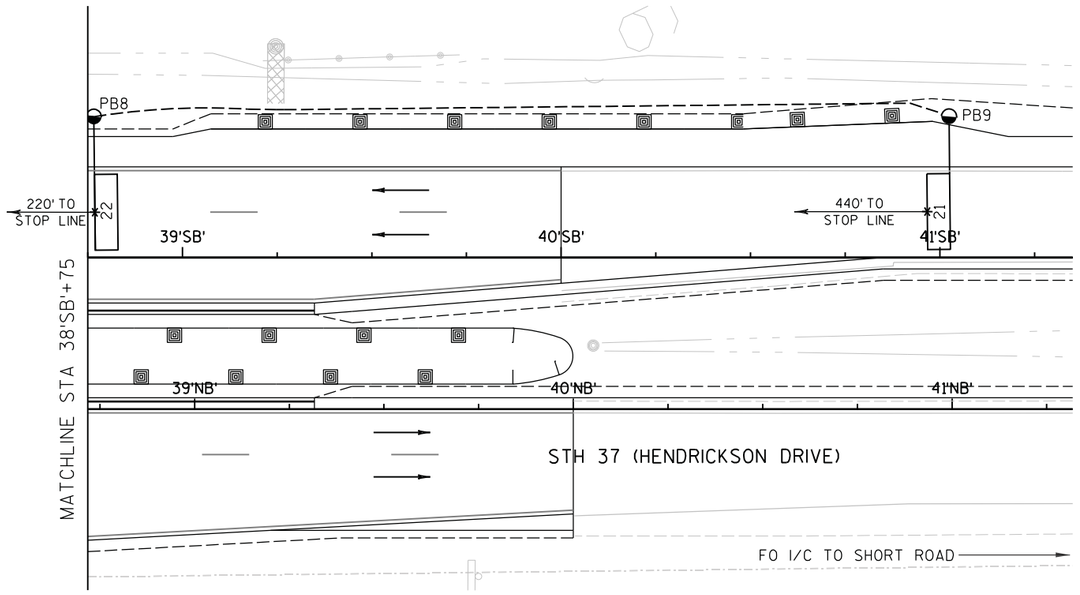
REGION CONTACT: DAVE FENSKE
DESIGNED BY: SEH
REVISED BY:

PAGE 1 OF 5

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	TRAFFIC SIGNAL PLAN	SHEET 150	E

2





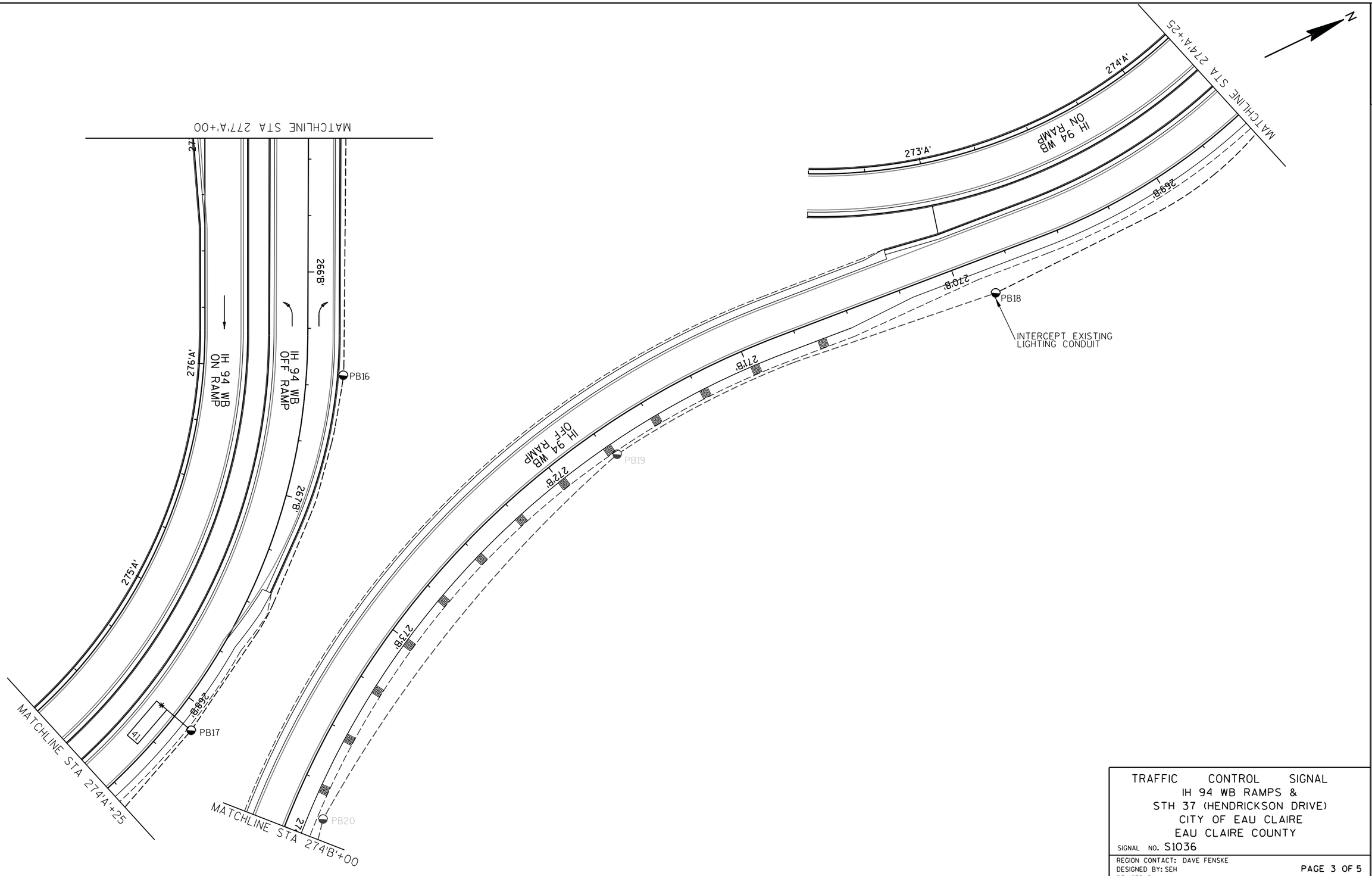
TRAFFIC CONTROL SIGNAL
IH 94 WB RAMPS &
STH 37 (HENDRICKSON DRIVE)
CITY OF EAU CLAIRE
EAU CLAIRE COUNTY

SIGNAL NO. S1036

REGION CONTACT: DAVE FENSKE
DESIGNED BY: SEH
REVISED BY:

PAGE 2 OF 5

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	TRAFFIC SIGNAL PLAN	SHEET 151	E



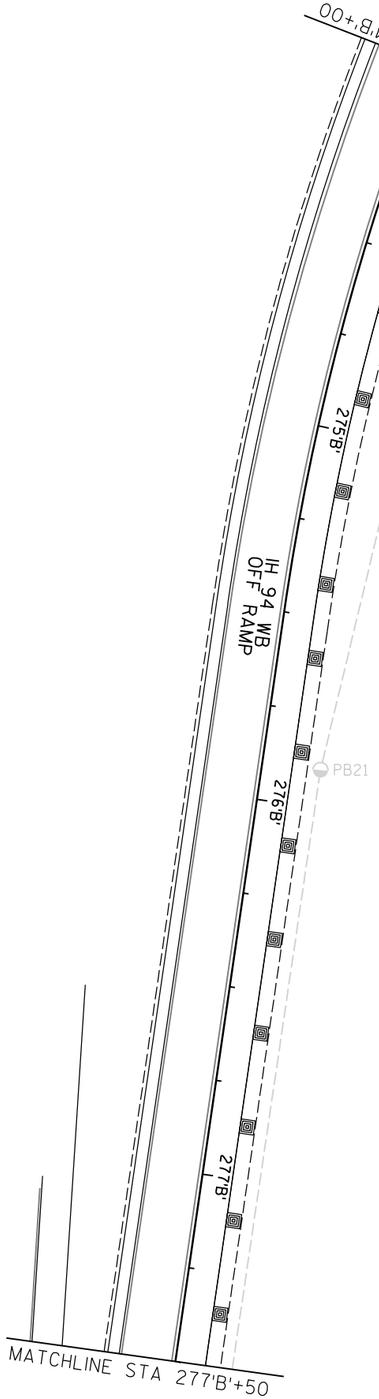
TRAFFIC CONTROL SIGNAL
IH 94 WB RAMPS &
STH 37 (HENDRICKSON DRIVE)
CITY OF EAU CLAIRE
EAU CLAIRE COUNTY

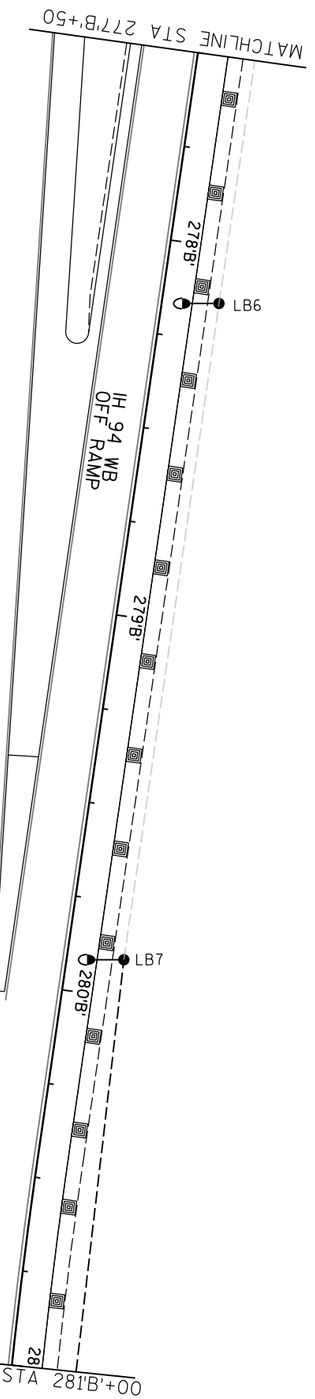
SIGNAL NO. S1036

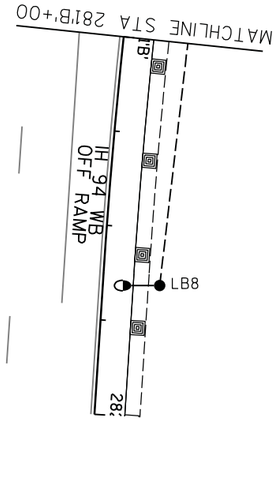
REGION CONTACT: DAVE FENSKE
DESIGNED BY: SEH
REVISED BY:

PAGE 3 OF 5

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	TRAFFIC SIGNAL PLAN	SHEET 152	E







2

TRAFFIC CONTROL SIGNAL
IH 94 WB RAMPS &
STH 37 (HENDRICKSON DRIVE)
CITY OF EAU CLAIRE
EAU CLAIRE COUNTY

SIGNAL NO. S1036

REGION CONTACT: DAVE FENSKE
DESIGNED BY: SEH
REVISED BY:

PAGE 4 OF 5

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	TRAFFIC SIGNAL PLAN	SHEET 153	E

2

SEQUENCE OF OPERATION

RING 1

	HEAD NUMBERS	Ø1 R/W	Ø1 CLEAR TO **	Ø2 R/W	Ø2 CLEAR TO **	Ø3 R/W	Ø3 CLEAR TO **	Ø4 R/W	Ø4 CLEAR TO **	FLASH
		NOT USED	⟸	NOT USED	OL"E"					
Ø1										
Ø2	4,5,6			G	Y R			R	R R	R
Ø3										
Ø4	10,11,12			R	R R			G,G	A R	R
Ø5	7,8,9			-	- -			-	- -	-
Ø6	1,2,3			R	R R			R	R R	R
Ø7										
Ø8										
OLA										
OLB										
OLC	7,8,9			R	R R			R	R R	R
OLD										
OLE	13,14			R	R R			G	Y R	R
Ø2P										
Ø4P										
Ø6P										
Ø8P										

RING 2

	HEAD NUMBERS	Ø5 R/W	Ø5 CLEAR TO **	Ø6 R/W	Ø6 CLEAR TO **	Ø7 R/W	Ø7 CLEAR TO **	Ø8 R/W	Ø8 CLEAR TO **
		OL"E"	OL"C"	NOT USED	NOT USED				
Ø1									
Ø2	4,5,6	R	R R	R	R R				
Ø3									
Ø4	10,11,12	R	R R	R	R R				
Ø5	7,8,9	G	- -	-	- -				
Ø6	1,2,3	R	R R	G	Y R				
Ø7									
Ø8									
OLA									
OLB									
OLC	7,8,9	-	Y R	FY	Y R				
OLD									
OLE	13,14	G	Y R	R	R R				
Ø2P									
Ø4P									
Ø6P									
Ø8P									

A=Y,Y

BARRIER

DETECTOR LOGIC

DETECTOR NUMBER	AMPLIFIER CHANNEL NUMBER	DETECTOR OPERATION: CALLS AND EXTENDS	DETECTOR OPERATION: CALLS ONLY	DETECTOR OPERATION: EXTENDS ONLY	PHASE CALLED	PHASE EXTENDED	DETECTOR DISCONNECT PHASE	CALLING DELAY	EXTENSION STRETCH	LOOP SIZE (FEET)	NUMBER OF TURNS
21	1	X			2	2				6X20	3
22	2	X			2	2				6X20	4
41	3		X		4					6X20	3
42	4	X			4	4				6X20	4
43	4	X			4	4		X		6X20	3
44	5	X			4	4				6X20	3
45	5	X			4	4				6X20	4
51	6	X			5	5				6X20	3
52	6	X			5	5				6X20	4
61	7	X			6	6				6X20	3
62	8	X			6	6				6X20	4

N

CHART 1

PHASE ON	NONCONFLICTING PHASE ALLOWED TO TIME CONCURRENTLY	PHASES IN CONFLICT WITH PHASE ON
1		
2	5 OR 6	4
3		
4	NONE	2,5,6
5	2	4,6
6	2	4,5
7		
8		

EMERGENCY VEHICLE PREEMPTION SEQUENCE

EMERGENCY VEHICLE PREEMPTOR	CHANNEL A	CHANNEL B	CHANNEL D
MOVEMENT	⟸	FY →	↑
PHASE	2+5	6	4

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

AFTER PREEMPTION SEQUENCE 4, CONTROLLER SHALL RETURN TO PHASE 4.

GENERAL NOTES:

1. ANY ACTUATED PHASE FOR WHICH THERE IS NO CALL SHALL BE SKIPPED.
2. WHEN ONE PHASE IS ON ALONE, ANY NONCONFLICTING PHASE MAY START TIMING CONCURRENTLY WITHOUT A CLEARANCE INTERVAL. (SEE CHART 1 AT LEFT.)

** CLEARANCE TO A PHASE IN CONFLICT WITH THIS PHASE ON (SEE CHART 1)

CONTROLLER LOGIC

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

SPECIAL OVERLAPS

	PROTECTED	PERMISSIVE
O.L. "A"		
O.L. "B"		
O.L. "C"	5	6
O.L. "D"		

OVERLAPS

O.L. "E" = 4,5
O.L. "F" =
O.L. "G" =
O.L. "H" =

TYPE OF INTERCONNECT COMMUNICATION	
NONE	
TBC	
CLOSED LOOP TWISTED PAIR*	
CLOSED LOOP FIBER OPTIC*	X
FIBER OPTIC	
RADIO	
*LOCATION OF MASTER CONTROLLER NO: S-	
SIGNAL SYSTEM #: SS- -	

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

TYPE OF PRE-EMPT	
NONE	
RAILROAD	
EMERGENCY VEHICLE	X
3M	
TOMAR	
HARDWIRE	
OTHER	
LIFT BRIDGE	
QUEUE DETECTOR	X

IH 94 WB RAMPS &
STH 37 (HENDRICKSON DRIVE)
CITY OF EAU CLAIRE
EAU CLAIRE COUNTY

SIGNAL NO. S1036

CONTROLLER TYPE:

DATE 03/13 PAGE NO. 5 OF 5

PROJECT NO: 1022-08-73 | HWY: IH 94 | COUNTY: EAU CLAIRE | TRAFFIC SIGNAL PLAN | SHEET 154 | E

PROJECT ID:	1022-08-73
INTERSECTION:	IH 94 WB RAMPS & STH 37 (HENDRICKSON DRIVE)

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

CB TO	JUMPER	AWG 14 # OF COND.	HEAD NO.	PHASE	SIGNAL INDICATION WIRE COLOR									PED BUTTON	OTHER
					RED	YELLOW	GREEN	<RED>	<YELLOW>	<GREEN>	<FLASHING> <YELLOW>	D/WALK	WALK		
SB1		12	1	6	RED	ORG	GRN								
			8	5				RED/BLK	ORG/BLK	GRN/BLK	WHT/BLK				
SB2		5	9	5				RED	ORG	GRN	BLK				
SB3		5	5	2	RED	ORG	GRN								
			6	2	RED	ORG	GRN								
SB4		5	11	4	RED				ORG	GRN					
SB5		5	12	4	RED				ORG	GRN					
SB6		5	4	2	RED	ORG	GRN								
SB7		5	14	4	RED				ORG	GRN					
SB8		5	7	5				RED	ORG	GRN	BLK				
SB9		5	2	6	RED	ORG	GRN								
			3	6	RED	ORG	GRN								
SB10		5	13	4	RED				ORG	GRN					
SB11		5	10	4	RED	ORG	GRN								

EQUIPMENT GROUNDING	
FROM	TO
CB1	SB1
SB1	SB2
SB2	SB3
SB3	SB4
SB4	SB5
SB5	SB6
SB6	SB7
SB7	SB8
SB8	SB9
SB9	SB10
SB10	SB11
SB11	CB1

PULL BOX BONDING JUMPER 10	
FROM	TO
PB1	CB1
PB2	SB2
PB5	SB3
PB6	SB5
PB7	SB6
PB10	SB7
PB11	SB7
PB12	SB8
PB13	SB9
PB14	SB10
PB15	SB11
PB16	SB10
PB17	SB10
PB18	SB10
PB19	LB6
PB20	LB6
PB21	LB6
PB22	SB10
PB23	CB1

LIGHTING UF 2-12 AWG	
FROM	TO
CB1	LB1
LB1	LB2
LB2	LB3
CB1	LB5
LB5	LB4
LB5	LB6
LB6	LB7
LB7	LB8

EVP CABLE	
FROM	TO
CB1	SB2 (HEAD A)
CB1	SB7 (HEAD B)
CB1	SB4 (HEAD D)

*USE THE WHITE CONDUCTOR IN THE CABLE ASSEMBLY AS THE GROUNDED CONDUCTOR FOR ALL TRAFFIC SIGNAL INDICATIONS
*ENSURE THE GROUNDED CONDUCTOR IN THE FEEDER CABLE AND THE POLE CABLES ARE BOTH 12" LONGER THAN THE UNGROUNDED CONDUCTORS.
*AT THE SIGNAL BASES, CONNECT ONE TERMINAL FROM THE PEDESTRAIN PUSH BUTTONS TO THE COLOR INDICATED IN THE CHART. CONNECT THE OTHER TERMINAL TO THE GROUNDED CONDUCTOR.
"OTHER" COLUMN MAY INCLUDE SAHDOW BOX SIGN
*INSTALL SEPARATE CABLE FOR EACH SIGNAL HEAD ON MONOTUBE, TERMINATE IN MONOTUBE BASE.
*MARK SIGNAL CABLE WITH SIGNAL BASE NUMBER AT BOTH ENDS OF CABLE.

LEGEND	EXISTING	PROPOSED
FTMS CONVENTIONAL SYMBOLS		
CCTV CAMERA AND POLE		
BREAKER DISCONNECT BOX		
POLE MOUNTED CABINET		
METER BREAKER PEDESTAL		
24"X36" STEEL PULL BOX		
FTMS (ITS) CONDUIT		
COMMUNICATIONS VAULT, TYPE 1		

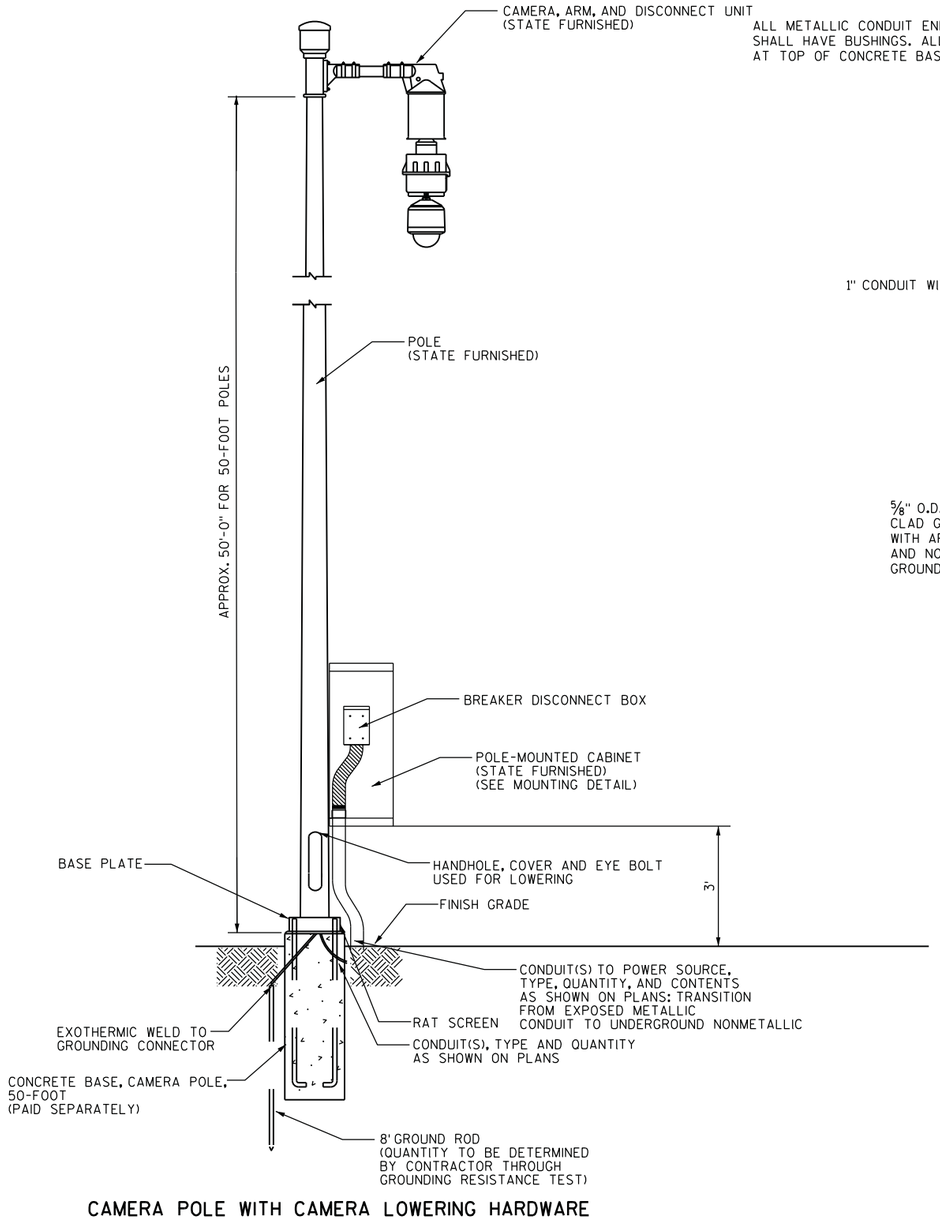
FTMS STANDARD ABBREVIATIONS

CB — CONTROLLER CABINET
CCTV — CLOSED CIRCUIT TELEVISION SITE
CV — COMMUNICATIONS VAULT
PB — PULL BOX

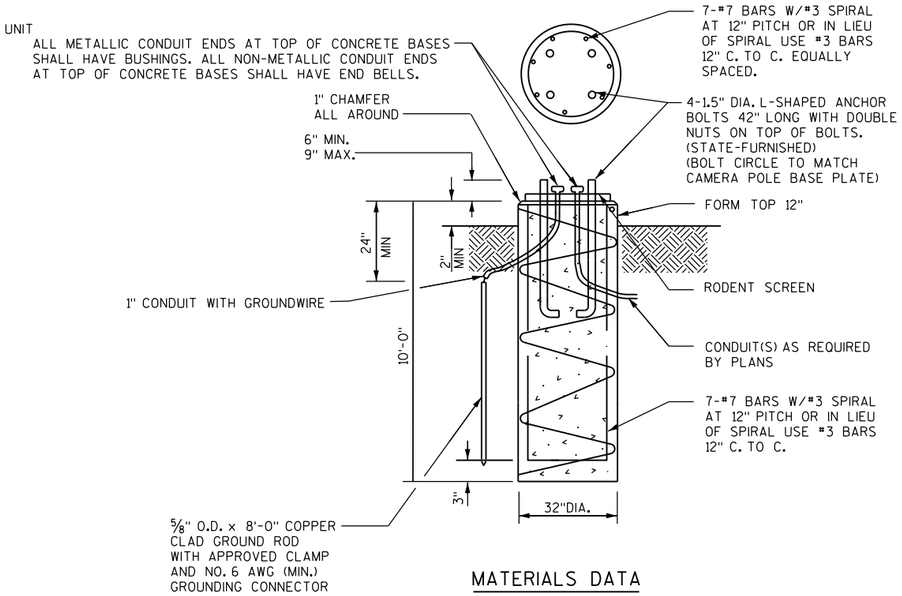
FTMS GENERAL NOTES

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.

2



CAMERA POLE WITH CAMERA LOWERING HARDWARE

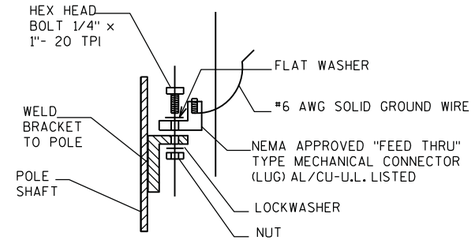


MATERIALS DATA

CONCRETE	f'c=3,500 psi
HIGH STRENGTH BAR STEEL REINFORCEMENT	fy = 60,000 psi

CONCRETE BASE, 50' CAMERA POLE

NOT TO SCALE

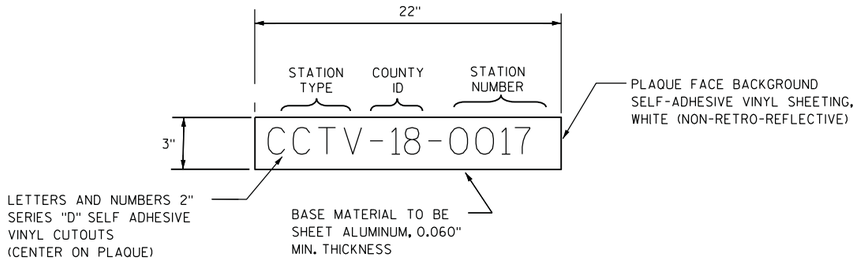


FIELD INSTALLED GROUNDING LUG

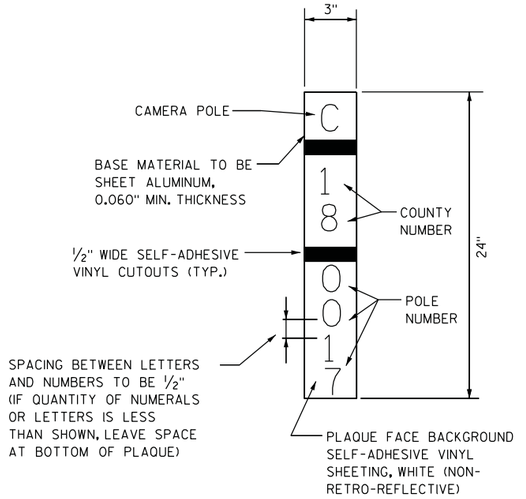
CAMERA POLES & FOUNDATIONS

NOTES

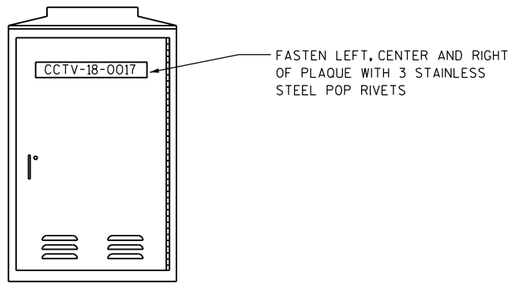
1) ALL HARDWARE AND FASTENERS SHALL BE STAINLESS STEEL
2) POLE DRAWINGS SHOWN FOR BIDDING INFORMATION PURPOSES ONLY. POLES WILL BE STATE FURNISHED. BASE TO BE CONTRACTOR DESIGNED.
3) CONTRACTOR SHALL CONFIRM BOLT PATTERN OF CAMERA POLE PRIOR TO CONSTRUCTION OF CONCRETE BASE.
4) CONTRACTOR SHALL INSTALL GROUNDING LUG AS SHOWN



CONTROL CABINET IDENTIFICATION PLAQUE DETAIL



POLE IDENTIFICATION PLAQUE DETAIL



CONTROL CABINET IDENTIFICATION PLAQUE REQUIREMENTS AND PLACEMENTS

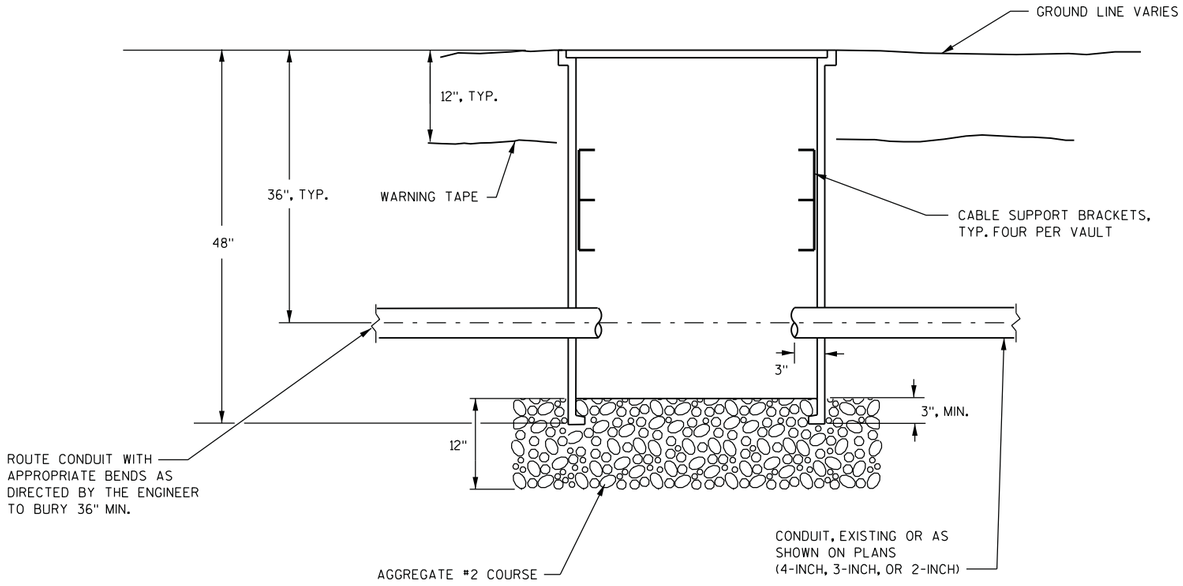
(TYPICAL ALL CONTROL CABINETS)

LEGEND STATION TYPE

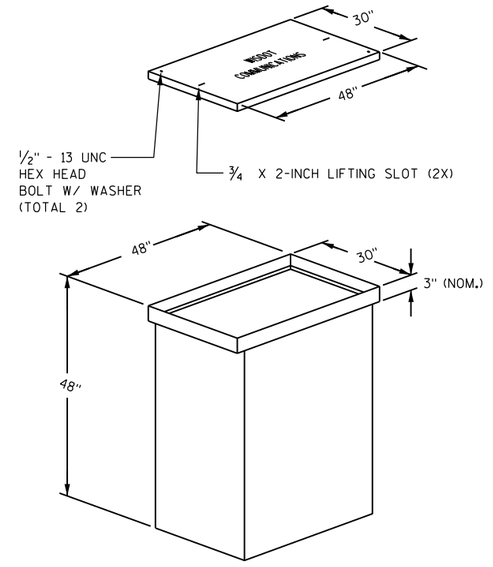
RM - RAMP METER
CCTV - CLOSED CIRCUIT TELEVISION
ATR - AUTOMATIC TRAFFIC RECORDER
SDS - SYSTEM DETECTOR STATION
MD - MICROWAVE DETECTOR

NOTES

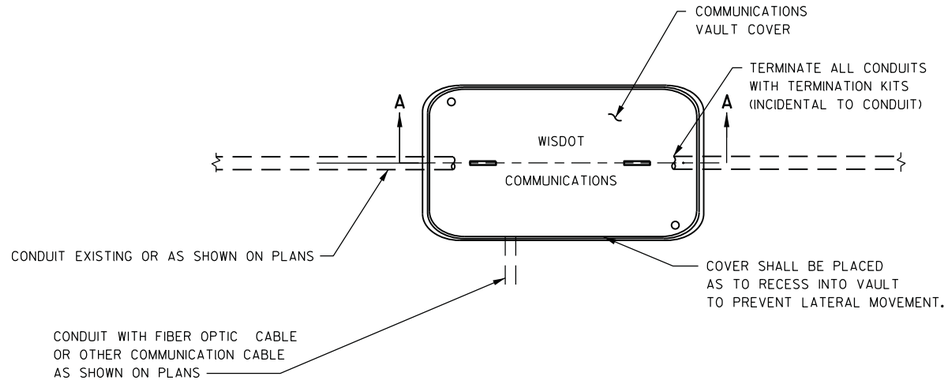
1) TWO PLAQUES PER CABINET REQUIRED ON CONTROL CABINET.
2) FASTEN ONE PLAQUE ON FRONT DOOR, UPPER HALF.
3) FASTEN ONE PLAQUE ON SIDE FACING LOCAL STREET. IF NO LOCAL STREET NEARBY, OR IF SUCH LOCATION COINCIDES WITH LOCATION OF PLAQUE IN NOTE 2, FASTEN PLAQUE ON REAR OF CABINET, UPPER HALF.
4) COUNTY NUMBER NOT REQUIRED ON RAMP METER CABINETS.



SECTION A-A



ISOMETRIC



COMMUNICATIONS VAULT, TYPE 1

PLAN VIEW

NOTES

1) BOX SHALL HAVE AN OPEN BASE.

2) COVER SHALL HAVE A MINIMUM DESIGN LOAD OF 15,000 LBS AND SHALL LOCK.

3) ALL OPENINGS IN STRUCTURE MUST BE MACHINED AT TIME OF FABRICATION, OR PUNCH DRIVEN AT TIME OF PLACEMENT.

4) VAULTS SHALL BE OF ONE-PIECE CONSTRUCTION. TWO-PIECE/STACKABLE VAULTS WILL NOT BE PERMITTED.

5) FIELD PLACEMENT OF COMMUNICATIONS VAULTS SHALL BE AS DIRECTED BY THE ENGINEER.

2

2

IH 94 WB

IH 94 EB

STH 37

JOPKE RD.

CCTV-18-0016
(1) 50-FOOT CAMERA POLE CONCRETE BASE
(1) 50-FOOT CAMERA POLE (S-F)
(1) POLE-MOUNT CABINET (S-F)
(1) BREAKER DISCONNECT BOX
(1) DOME CAMERA (S-F)
(1) 12-COUNT F.O. TERMINATION PANEL (S-F)
(1) ETHERNET SWITCH (S-F)
(1) ETHERNET VIDEO CODEC (S-F)

(1) 2-INCH METALLIC CONDUIT
WITH (3) NO. 4 AWG LIGHTING WIRES
AND (1) NO. 10 AWG LIGHTING WIRE

SLOPE INTERCEPT

SLOPE INTERCEPT

CONNECT (3) NO. 4 AWG LIGHTING WIRES
TO EXISTING TRAFFIC SIGNAL METER BREAKER

(1) 2-INCH NONMETALLIC CONDUIT
WITH (3) NO. 4 AWG LIGHTING WIRES
AND (1) NO. 10 AWG LIGHTING WIRE
(1) FOR FUTURE USE

SLOPE INTERCEPT

PB3730

PB3725

PB3705

PB3720

PB3715

PB3710

(2) 2-INCH NONMETALLIC CONDUITS
(1) WITH (1) 6-COUNT FOC (S-F)
(1) FOR FUTURE USE

(3) 2-INCH NONMETALLIC CONDUITS
(1) WITH (3) NO. 4 AWG LIGHTING WIRES
AND (1) NO. 10 AWG LIGHTING WIRE
(1) WITH (1) 6-COUNT FOC (S-F)
(1) FOR FUTURE USE

(3) 2-INCH NONMETALLIC CONDUITS, SPECIAL
(1) WITH (3) NO. 4 AWG LIGHTING WIRES
AND (1) NO. 10 AWG LIGHTING WIRE
(1) WITH (1) 6-COUNT FOC (S-F)
(1) FOR FUTURE USE

SLOPE INTERCEPT

SLOPE INTERCEPT

(2) 2-INCH NONMETALLIC CONDUITS, SPECIAL
(1) WITH (3) NO. 4 AWG LIGHTING WIRES
AND (1) NO. 10 AWG LIGHTING WIRE
(1) FOR FUTURE USE

(2) 2-INCH NONMETALLIC CONDUITS
(1) WITH (1) 6-COUNT FOC (S-F)
(1) FOR FUTURE USE

CV3715

PLACE NEW COMMUNICATIONS VAULT ON TOP
OF EXISTING, BURIED, VAULT AND BRING TO GRADE.
IN NEW SPLICE ENCLOSURE (S-F)
SPLICE 6-COUNT FOC TO EXISTING WISDOT
36-COUNT FOC. (8) F.O. SPLICES

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	FTMS DESIGN SHEETS	SHEET 160 E

FILE NAME : \\mlww400\ingrproj\59271\10220873_eau_claire\cds\ec_fm_07.dgn PLOT DATE : 2/28/2013 PLOT BY : pkutz PLOT NAME : PLOT SCALE : 100:1

WISDOT/CADDS SHEET 42

2

2

N

(1) 2-INCH METALLIC CONDUIT
WITH (3) NO. 4 AWG LIGHTING WIRES
AND (1) NO. 10 AWG LIGHTING WIRE

PB9305

CCTV-18-0017
(1) 50-FOOT CAMERA POLE CONCRETE BASE
(1) 50-FOOT CAMERA POLE (S-F)
(1) POLE-MOUNT CABINET (S-F)
(1) BREAKER DISCONNECT BOX
(1) DOME CAMERA (S-F)
(1) 12-COUNT F.O. TERMINATION PANEL (S-F)
(1) ETHERNET SWITCH (S-F)
(1) ETHERNET VIDEO CODEC (S-F)

(2) 2-INCH NONMETALLIC CONDUITS
(1) WITH (1) 6-COUNT FOC (S-F)
(1) FOR FUTURE USE

IH 94 WB

IH 94 EB

464'WB' 466'WB' 468'WB' 470'WB' 472'WB' 474'WB' 476'WB'

464'EB' 466'EB' 468'EB' 470'EB' 472'EB' 474'EB' 476'EB'

(3) 2-INCH NONMETALLIC CONDUITS, SPECIAL
(1) WITH (3) NO. 4 AWG LIGHTING WIRES
AND (1) NO. 10 AWG LIGHTING WIRE
(1) WITH (1) 6-COUNT FOC (S-F)
(1) FOR FUTURE USE

PB9310

STH 93

464'H' 466'H' 468'H' 470'H' 472'H' 474'H' 476'H'

(3) 2-INCH NONMETALLIC CONDUIT
(1) WITH (1) 6-COUNT FOC (S-F)
WITH (3) NO. 4 AWG LIGHTING WIRES
AND (1) NO. 10 AWG LIGHTING WIRE

(3) 2-INCH NONMETALLIC CONDUITS, SPECIAL
(1) WITH (1) 6-COUNT FOC (S-F)
(1) WITH (3) NO. 4 AWG LIGHTING WIRES
AND (1) NO. 10 AWG LIGHTING WIRE
(1) FOR FUTURE USE

PB9312

(1) 2-INCH NONMETALLIC CONDUIT
WITH (3) NO. 4 AWG LIGHTING WIRES
AND (1) NO. 10 AWG LIGHTING WIRE

(2) 2-INCH NONMETALLIC CONDUITS
WITH (1) 6-COUNT FOC (S-F)
(1) FOR FUTURE USE

PLACE NEW COMMUNICATIONS VAULT ON TOP
OF EXISTING, BURIED, VAULT AND BRING TO GRADE.
IN NEW SPLICE ENCLOSURE (S-F)
SPLICE 6-COUNT FOC TO EXISTING WISDOT
36-COUNT FOC. (8) F.O. SPLICES

CV9315

PB9315

CONNECT (3) NO. 4 AWG LIGHTING WIRES
TO EXISTING TRAFFIC SIGNAL METER BREAKER

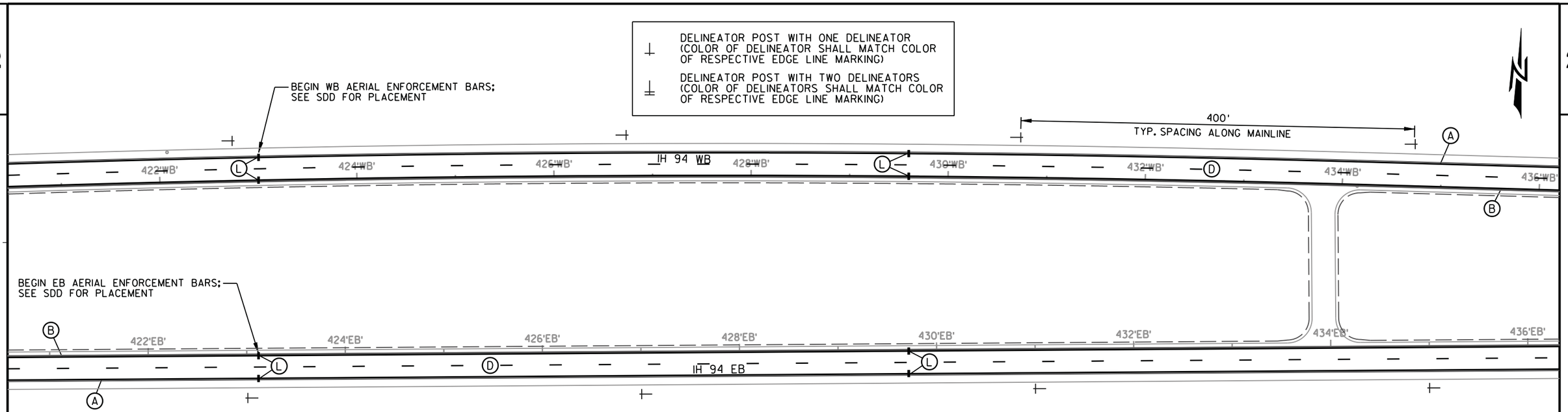
PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	FTMS DESIGN SHEETS	SHEET	E

FILE NAME : \\mlww400\ingrproj\59271\10220873_eau_claire\cds\ec_fm_10.dgn PLOT DATE : 2/28/2013 PLOT BY : pkutz PLOT NAME : PLOT SCALE : 100:1
WISDOT/CADDS SHEET 42

2

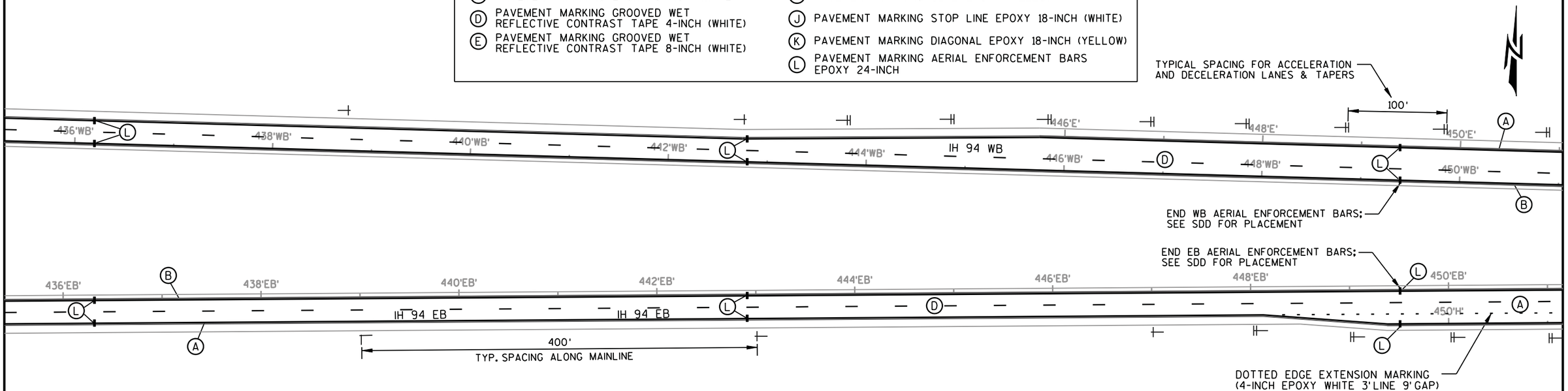
DELINEATOR POST WITH ONE DELINEATOR (COLOR OF DELINEATOR SHALL MATCH COLOR OF RESPECTIVE EDGE LINE MARKING)

DELINEATOR POST WITH TWO DELINEATORS (COLOR OF DELINEATORS SHALL MATCH COLOR OF RESPECTIVE EDGE LINE MARKING)

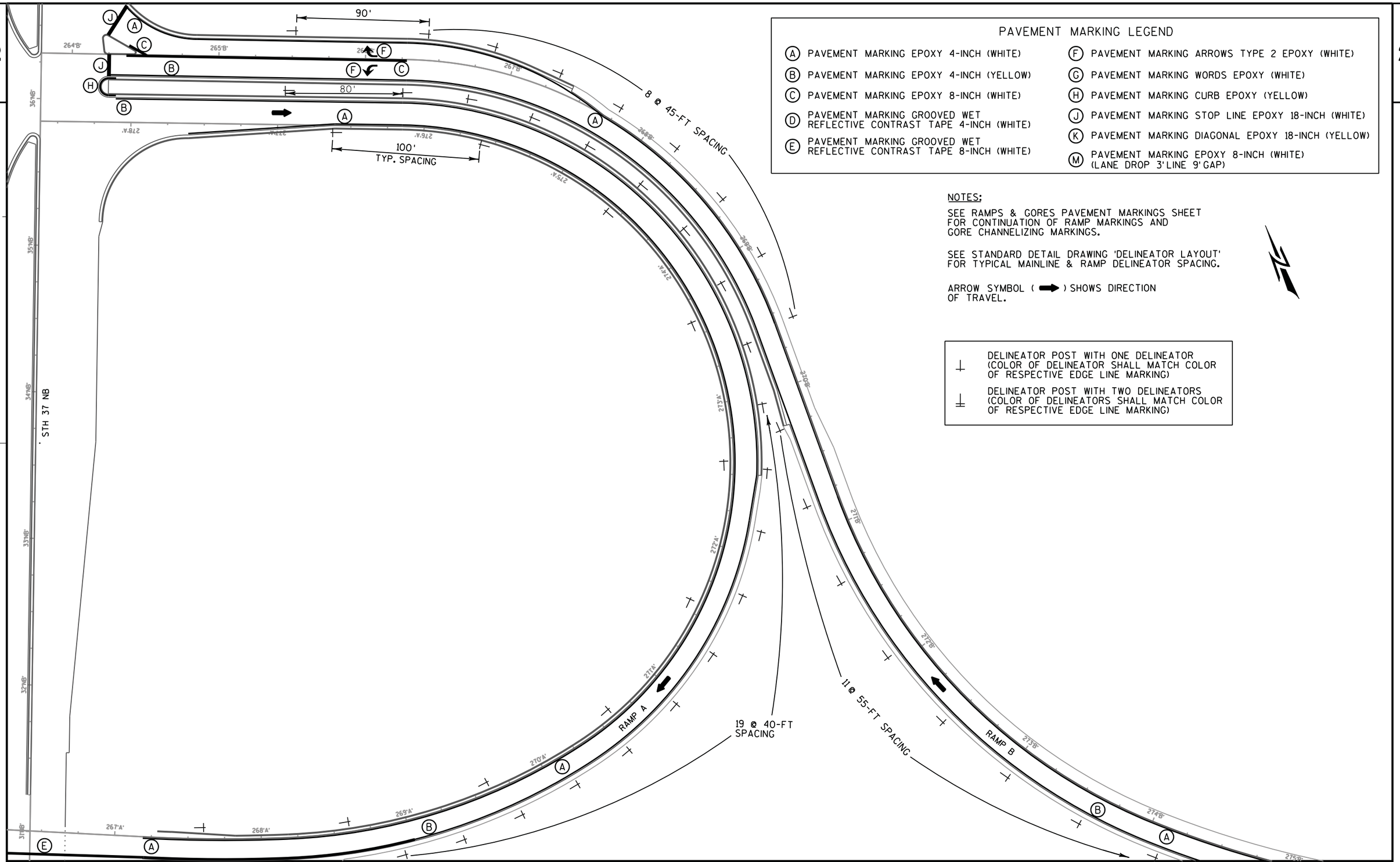


PAVEMENT MARKING LEGEND

- (A) PAVEMENT MARKING EPOXY 4-INCH (WHITE)
- (B) PAVEMENT MARKING EPOXY 4-INCH (YELLOW)
- (C) PAVEMENT MARKING EPOXY 8-INCH (WHITE)
- (D) PAVEMENT MARKING GROOVED WET REFLECTIVE CONTRAST TAPE 4-INCH (WHITE)
- (E) PAVEMENT MARKING GROOVED WET REFLECTIVE CONTRAST TAPE 8-INCH (WHITE)
- (F) PAVEMENT MARKING ARROWS TYPE 2 EPOXY (WHITE)
- (G) PAVEMENT MARKING WORDS EPOXY (WHITE)
- (H) PAVEMENT MARKING CURB EPOXY (YELLOW)
- (J) PAVEMENT MARKING STOP LINE EPOXY 18-INCH (WHITE)
- (K) PAVEMENT MARKING DIAGONAL EPOXY 18-INCH (YELLOW)
- (L) PAVEMENT MARKING AERIAL ENFORCEMENT BARS EPOXY 24-INCH



PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	MAINLINE PAVEMENT MARKING / DELINEATOR TYPICAL	SHEET 162	E



PAVEMENT MARKING LEGEND

- (A) PAVEMENT MARKING EPOXY 4-INCH (WHITE)
- (B) PAVEMENT MARKING EPOXY 4-INCH (YELLOW)
- (C) PAVEMENT MARKING EPOXY 8-INCH (WHITE)
- (D) PAVEMENT MARKING GROOVED WET REFLECTIVE CONTRAST TAPE 4-INCH (WHITE)
- (E) PAVEMENT MARKING GROOVED WET REFLECTIVE CONTRAST TAPE 8-INCH (WHITE)
- (F) PAVEMENT MARKING ARROWS TYPE 2 EPOXY (WHITE)
- (G) PAVEMENT MARKING WORDS EPOXY (WHITE)
- (H) PAVEMENT MARKING CURB EPOXY (YELLOW)
- (J) PAVEMENT MARKING STOP LINE EPOXY 18-INCH (WHITE)
- (K) PAVEMENT MARKING DIAGONAL EPOXY 18-INCH (YELLOW)
- (M) PAVEMENT MARKING EPOXY 8-INCH (WHITE) (LANE DROP 3'LINE 9'GAP)

NOTES:

SEE RAMPS & GORES PAVEMENT MARKINGS SHEET FOR CONTINUATION OF RAMP MARKINGS AND GORE CHANNELIZING MARKINGS.

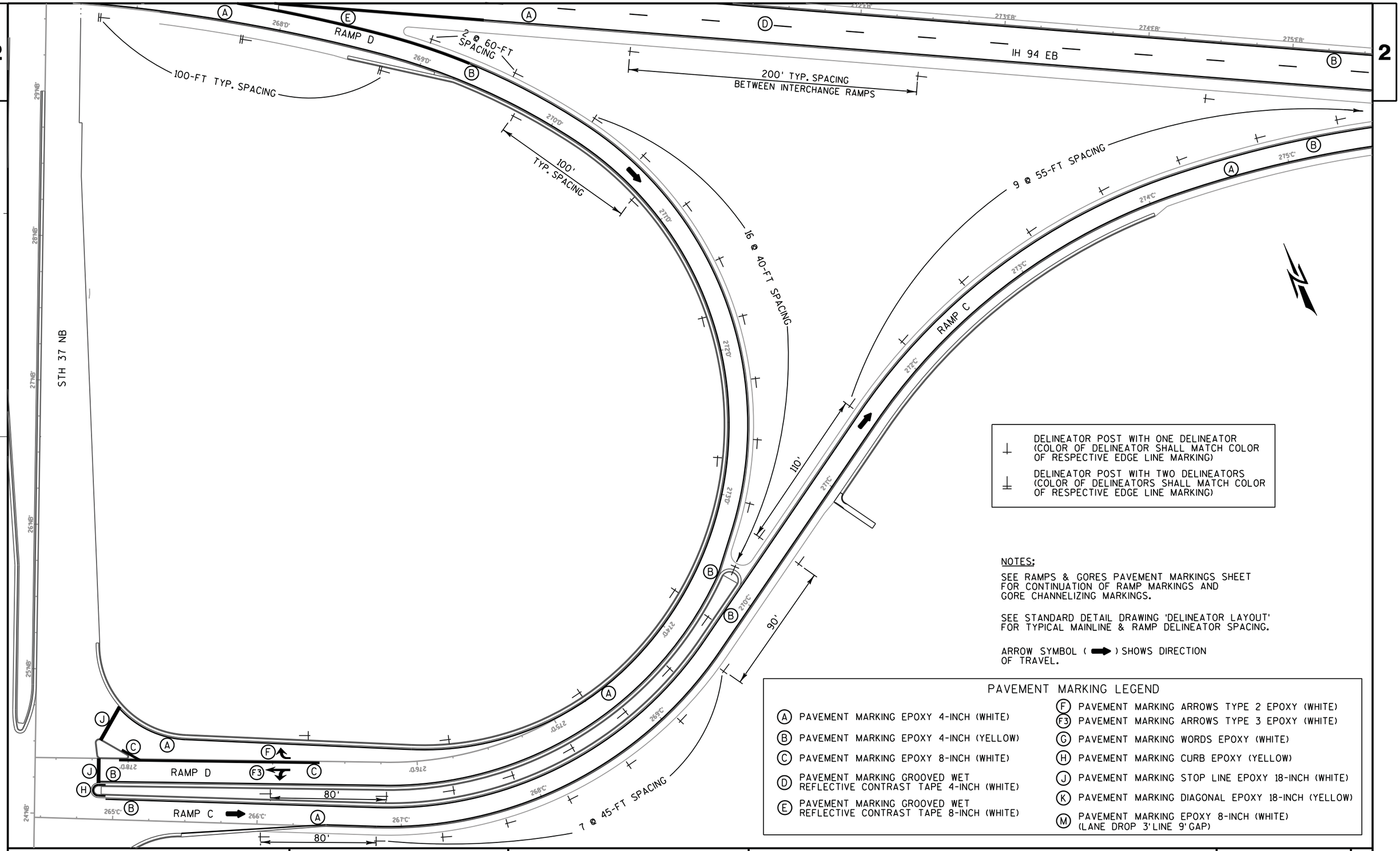
SEE STANDARD DETAIL DRAWING 'DELINEATOR LAYOUT' FOR TYPICAL MAINLINE & RAMP DELINEATOR SPACING.

ARROW SYMBOL (➡) SHOWS DIRECTION OF TRAVEL.

- ⊥ DELINEATOR POST WITH ONE DELINEATOR (COLOR OF DELINEATOR SHALL MATCH COLOR OF RESPECTIVE EDGE LINE MARKING)
- ⊥⊥ DELINEATOR POST WITH TWO DELINEATORS (COLOR OF DELINEATORS SHALL MATCH COLOR OF RESPECTIVE EDGE LINE MARKING)

PROJECT NO: 1022-08-73	HWY: IH 94 & STH 37	COUNTY: EAU CLAIRE	PAVEMENT MARKINGS - RAMPS A & B	SHEET E

FILE NAME : D:\NWBE PROJECTS\1029 I-94 CH2MHill\Pavement Markings\10220803 _pm_STH37_RampsAB.dgn PLOT DATE : 1/17/2013 PLOT BY : NWBE PLOT NAME : PLOT SCALE : N/A



⊥	DELINEATOR POST WITH ONE DELINEATOR (COLOR OF DELINEATOR SHALL MATCH COLOR OF RESPECTIVE EDGE LINE MARKING)
⊥⊥	DELINEATOR POST WITH TWO DELINEATORS (COLOR OF DELINEATORS SHALL MATCH COLOR OF RESPECTIVE EDGE LINE MARKING)

NOTES:

SEE RAMPS & GORES PAVEMENT MARKINGS SHEET FOR CONTINUATION OF RAMP MARKINGS AND GORE CHANNELIZING MARKINGS.

SEE STANDARD DETAIL DRAWING 'DELINEATOR LAYOUT' FOR TYPICAL MAINLINE & RAMP DELINEATOR SPACING.

ARROW SYMBOL (➡) SHOWS DIRECTION OF TRAVEL.

PAVEMENT MARKING LEGEND

(A) PAVEMENT MARKING EPOXY 4-INCH (WHITE)	(F) PAVEMENT MARKING ARROWS TYPE 2 EPOXY (WHITE)
(B) PAVEMENT MARKING EPOXY 4-INCH (YELLOW)	(F3) PAVEMENT MARKING ARROWS TYPE 3 EPOXY (WHITE)
(C) PAVEMENT MARKING EPOXY 8-INCH (WHITE)	(G) PAVEMENT MARKING WORDS EPOXY (WHITE)
(D) PAVEMENT MARKING GROOVED WET REFLECTIVE CONTRAST TAPE 4-INCH (WHITE)	(H) PAVEMENT MARKING CURB EPOXY (YELLOW)
(E) PAVEMENT MARKING GROOVED WET REFLECTIVE CONTRAST TAPE 8-INCH (WHITE)	(J) PAVEMENT MARKING STOP LINE EPOXY 18-INCH (WHITE)
	(K) PAVEMENT MARKING DIAGONAL EPOXY 18-INCH (YELLOW)
	(M) PAVEMENT MARKING EPOXY 8-INCH (WHITE) (LANE DROP 3'LINE 9'GAP)

PROJECT NO: 1022-08-73	HWY: IH 94 & STH 37	COUNTY: EAU CLAIRE	PAVEMENT MARKINGS - RAMPS C & D	SHEET 164 E

NOTES:

SEE RAMPS & GORES PAVEMENT MARKINGS SHEET FOR CONTINUATION OF RAMP MARKINGS AND GORE CHANNELIZING MARKINGS.

SEE STANDARD DETAIL DRAWING 'DELINEATOR LAYOUT' FOR TYPICAL MAINLINE & RAMP DELINEATOR SPACING.

DELINEATOR SPACING IS 100 FEET ON THIS SHEET, UNLESS SHOWN OTHERWISE.

ARROW SYMBOL (➡) SHOWS DIRECTION OF TRAVEL.

RAMP E

RAMP H

IH 94 WB

IH 94 EB

STH 93

200'
TYP. SPACING BETWEEN RAMPS

DOTTED EDGE EXTENSION MARKING
(4-INCH EPOXY WHITE 3'LINE 9'GAP)

PISTA 409+23.69

DELINEATOR POST WITH ONE DELINEATOR (COLOR OF DELINEATOR SHALL MATCH COLOR OF RESPECTIVE EDGE LINE MARKING)

DELINEATOR POST WITH TWO DELINEATORS (COLOR OF DELINEATORS SHALL MATCH COLOR OF RESPECTIVE EDGE LINE MARKING)

PAVEMENT MARKING LEGEND

- (A) PAVEMENT MARKING EPOXY 4-INCH (WHITE)
- (B) PAVEMENT MARKING EPOXY 4-INCH (YELLOW)
- (C) PAVEMENT MARKING EPOXY 8-INCH (WHITE)
- (D) PAVEMENT MARKING GROOVED WET REFLECTIVE CONTRAST TAPE 4-INCH (WHITE)
- (E) PAVEMENT MARKING GROOVED WET REFLECTIVE CONTRAST TAPE 8-INCH (WHITE)
- (F) PAVEMENT MARKING ARROWS TYPE 2 EPOXY (WHITE)
- (G) PAVEMENT MARKING WORDS EPOXY (WHITE)
- (H) PAVEMENT MARKING CURB EPOXY (YELLOW)
- (J) PAVEMENT MARKING STOP LINE EPOXY 18-INCH (WHITE)
- (K) PAVEMENT MARKING DIAGONAL EPOXY 18-INCH (YELLOW)
- (M) PAVEMENT MARKING EPOXY 8-INCH (WHITE) (LANE DROP 3'LINE 9'GAP)

PROJECT NO: 1022-08-73	HWY: IH 94 @ STH 93	COUNTY: EAU CLAIRE	PAVEMENT MARKINGS - RAMPS E & H	SHEET E

FILE NAME : D:\NWBE PROJECTS\1029 I-94 CH2MHill\Pavement Markings\10220803 _pm_STH93_RampsEH.dgn PLOT DATE : 1/17/2013 PLOT BY : NWBE PLOT NAME : PLOT SCALE : N/A
WISDOT/CADDS SHEET 42

2

DELINEATOR POST WITH ONE DELINEATOR (COLOR OF DELINEATOR SHALL MATCH COLOR OF RESPECTIVE EDGE LINE MARKING)

DELINEATOR POST WITH TWO DELINEATORS (COLOR OF DELINEATORS SHALL MATCH COLOR OF RESPECTIVE EDGE LINE MARKING)

NOTES:

SEE RAMPS & GORES PAVEMENT MARKINGS SHEET FOR CONTINUATION OF RAMP MARKINGS AND GORE CHANNELIZING MARKINGS.

SEE STANDARD DETAIL DRAWING 'DELINEATOR LAYOUT' FOR TYPICAL MAINLINE & RAMP DELINEATOR SPACING.

DELINEATOR SPACING IS 100 FEET ON THIS SHEET, UNLESS SHOWN OTHERWISE.

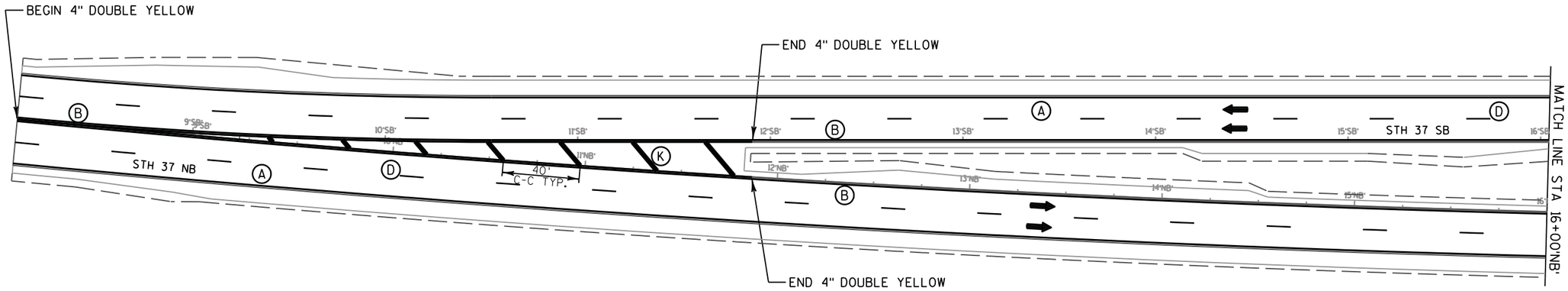
ARROW SYMBOL (➡) SHOWS DIRECTION OF TRAVEL.

470'F'
472'F'
474'F'
RAMP F
476'F'
478'F'
480'F'
482'F'
484'F'
200'
TYP. SPACING BETWEEN RAMPS
DOTTED EDGE EXTENSION MARKING (4-INCH EPOXY WHITE 3'LINE 9'GAP)
470'WB'
472'WB'
474'WB'
476'WB'
IH 94 WB
478'WB'
480'WB'
482'WB'
484'WB'
470'EB'
472'EB'
474'EB'
476'EB'
478'EB'
480'EB'
482'EB'
484'EB'
IH 94 EB
200'
TYP. SPACING BETWEEN RAMPS
STH 93
RAMP G

PAVEMENT MARKING LEGEND

- (A) PAVEMENT MARKING EPOXY 4-INCH (WHITE)
- (B) PAVEMENT MARKING EPOXY 4-INCH (YELLOW)
- (C) PAVEMENT MARKING EPOXY 8-INCH (WHITE)
- (D) PAVEMENT MARKING GROOVED WET REFLECTIVE CONTRAST TAPE 4-INCH (WHITE)
- (E) PAVEMENT MARKING GROOVED WET REFLECTIVE CONTRAST TAPE 8-INCH (WHITE)
- (F) PAVEMENT MARKING ARROWS TYPE 2 EPOXY (WHITE)
- (G) PAVEMENT MARKING WORDS EPOXY (WHITE)
- (H) PAVEMENT MARKING CURB EPOXY (YELLOW)
- (J) PAVEMENT MARKING STOP LINE EPOXY 18-INCH (WHITE)
- (K) PAVEMENT MARKING DIAGONAL EPOXY 18-INCH (YELLOW)
- (M) PAVEMENT MARKING EPOXY 8-INCH (WHITE) (LANE DROP 3'LINE 9'GAP)

PROJECT NO: 1022-08-73	HWY: IH 94 @ STH 93	COUNTY: EAU CLAIRE	PAVEMENT MARKINGS - RAMPS G & F	SHEET 166	E



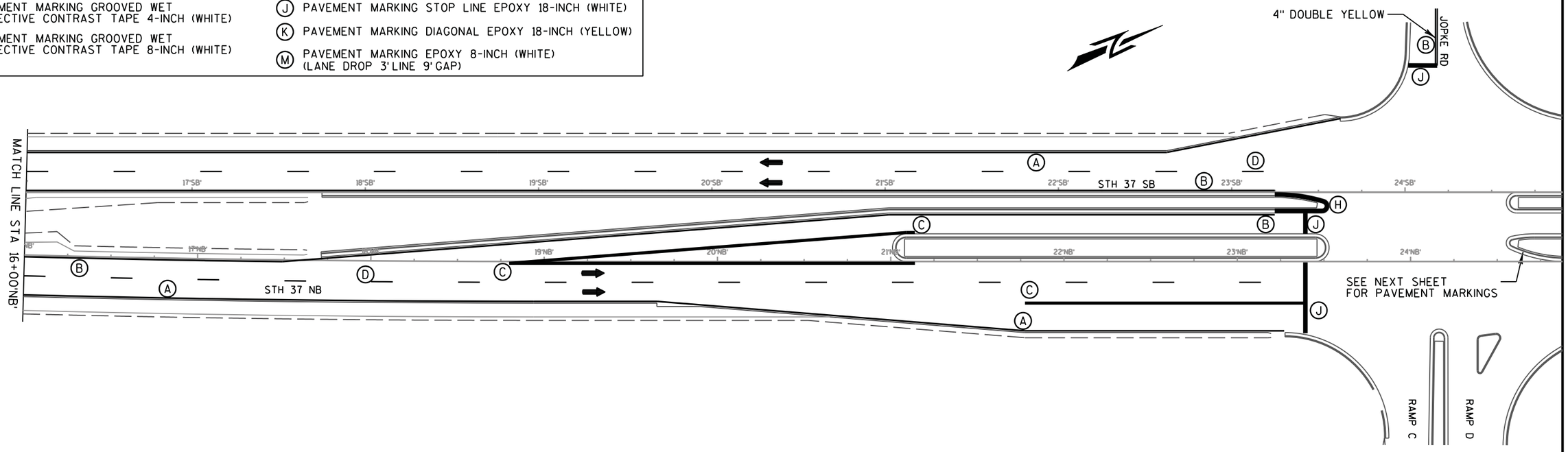
PAVEMENT MARKING LEGEND

- (A) PAVEMENT MARKING EPOXY 4-INCH (WHITE)
- (B) PAVEMENT MARKING EPOXY 4-INCH (YELLOW)
- (C) PAVEMENT MARKING EPOXY 8-INCH (WHITE)
- (D) PAVEMENT MARKING GROOVED WET REFLECTIVE CONTRAST TAPE 4-INCH (WHITE)
- (E) PAVEMENT MARKING GROOVED WET REFLECTIVE CONTRAST TAPE 8-INCH (WHITE)
- (F) PAVEMENT MARKING ARROWS TYPE 2 EPOXY (WHITE)
- (G) PAVEMENT MARKING WORDS EPOXY (WHITE)
- (H) PAVEMENT MARKING CURB EPOXY (YELLOW)
- (J) PAVEMENT MARKING STOP LINE EPOXY 18-INCH (WHITE)
- (K) PAVEMENT MARKING DIAGONAL EPOXY 18-INCH (YELLOW)
- (M) PAVEMENT MARKING EPOXY 8-INCH (WHITE) (LANE DROP 3' LINE 9' GAP)

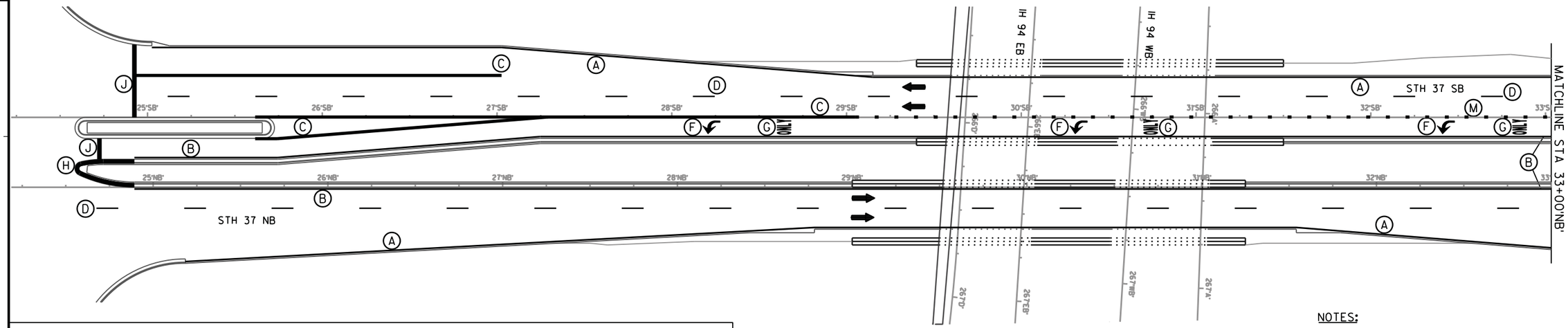
NOTES:

PAVEMENT MARKINGS FOR RAMPS C & D ARE SHOWN IN A SEPARATE DETAIL.

ARROW SYMBOL (➡) SHOWS DIRECTION OF TRAVEL.



PROJECT NO: 1022-08-73	HWY: STH 37 @ IH 94	COUNTY: EAU CLAIRE	PAVEMENT MARKINGS	SHEET 167 E



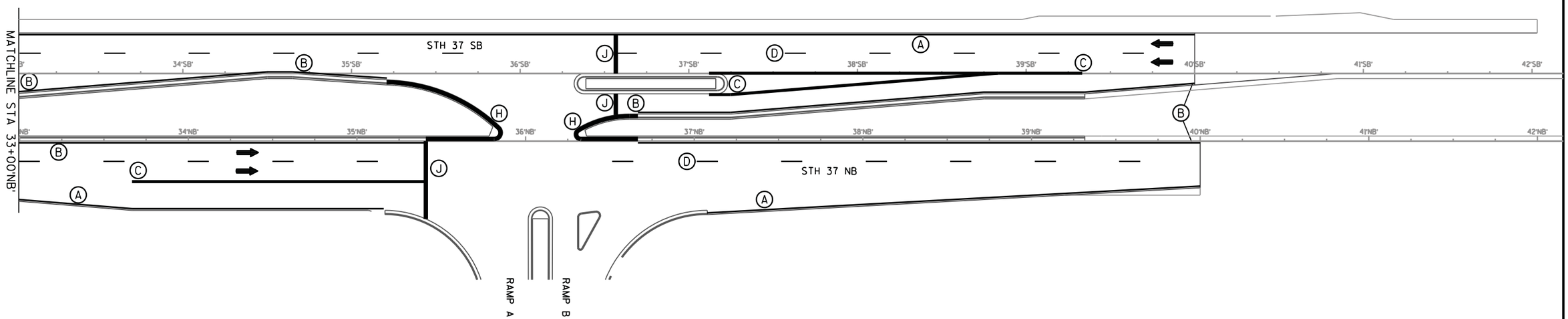
NOTES:

PAVEMENT MARKINGS FOR RAMPS C & D ARE SHOWN IN A SEPARATE DETAIL.

ARROW SYMBOL (➡) SHOWS DIRECTION OF TRAVEL.

PAVEMENT MARKING LEGEND

- (A) PAVEMENT MARKING EPOXY 4-INCH (WHITE)
- (B) PAVEMENT MARKING EPOXY 4-INCH (YELLOW)
- (C) PAVEMENT MARKING EPOXY 8-INCH (WHITE)
- (D) PAVEMENT MARKING GROOVED WET REFLECTIVE CONTRAST TAPE 4-INCH (WHITE)
- (E) PAVEMENT MARKING GROOVED WET REFLECTIVE CONTRAST TAPE 8-INCH (WHITE)
- (F) PAVEMENT MARKING ARROWS TYPE 2 EPOXY (WHITE)
- (G) PAVEMENT MARKING WORDS EPOXY (WHITE)
- (H) PAVEMENT MARKING CURB EPOXY (YELLOW)
- (J) PAVEMENT MARKING STOP LINE EPOXY 18-INCH (WHITE)
- (K) PAVEMENT MARKING DIAGONAL EPOXY 18-INCH (YELLOW)
- (M) PAVEMENT MARKING EPOXY 8-INCH (WHITE) (LANE DROP 3'LINE 9'GAP)



PROJECT NO: 1022-08-73	HWY: STH 37 @ IH 94	COUNTY: EAU CLAIRE	PAVEMENT MARKINGS	SHEET 168	E

2

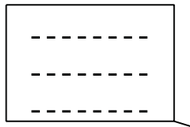


F

(FIXED MESSAGE)

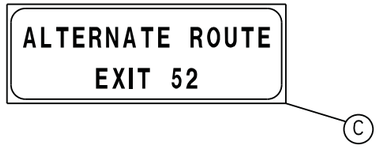


E



D

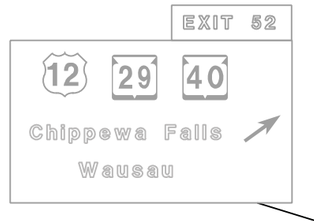
* MB TO BE PROGRAMMED BY WISTATE PATROL AS NEEDED



C



B

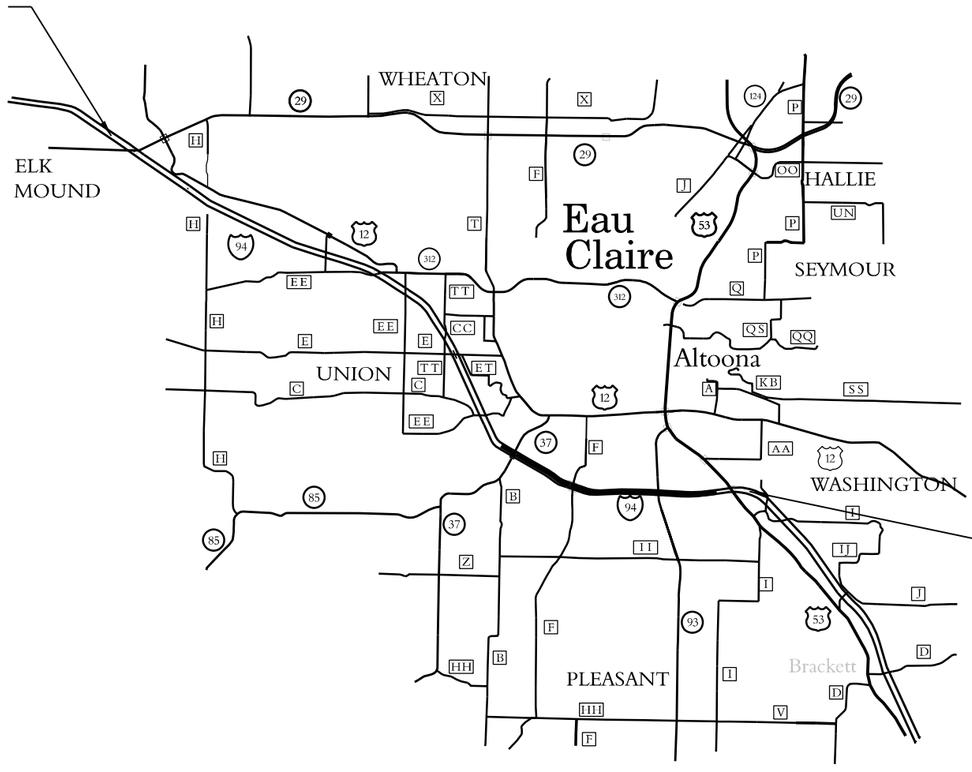


A

F E D C B A

E.B. IH 94 TEMPORARY SIGN LOCATIONS

3 MILES | ¼ MILE | MB | ¼ MILE | ½ MILE | 1 MILE



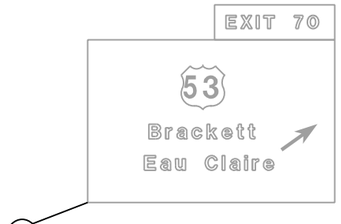
* MESSAGE BOARD TYPICAL PHASES

PAHSE 1	PHASE 2
TRAFFIC_	__USE__
BACKUPS_	__ALT___
AHEAD__	__I_94__

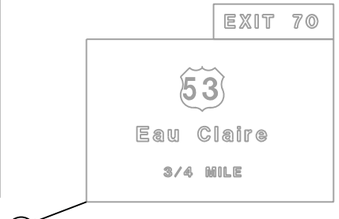
G H I J K L

E.B. IH 94 TEMPORARY SIGN LOCATIONS

¾ MILE | ½ MILE | ¼ MILE | MB | ¼ MILE | 3 MILES



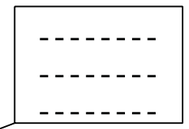
G



H



I



J

* MB TO BE PROGRAMMED BY WISTATE PATROL AS NEEDED

(FIXED MESSAGE)



K



L

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	TRAFFIC CONTROL - ALTERNATE ROUTE	SHEET	E

FILE NAME : Z:\UZ\W\Witnw\111449\Cad Final Design\CH_0803_025001_ALTROUTE.dgn PLOT TIME : 11:50:48 PM PLOT DATE : 1/30/2013 PLOT BY : SEH PLOT NAME : PLOT SCALE : N/A

2

PHASE 1 | PHASE 2

_STH_37_ | _CLOSED_
__EXIT__ | _AHEAD__
__RAMP__ | ________

*USE MESSAGE DURING 24-HR CLOSURE

(A)

PHASE 1 | PHASE 2

_STH_37_ | _CLOSED_
_/I-94__ | STARTING
__EXIT__ | __DATE__

*USE MESSAGE TWO WEEKS PRIOR TO CLOSURE

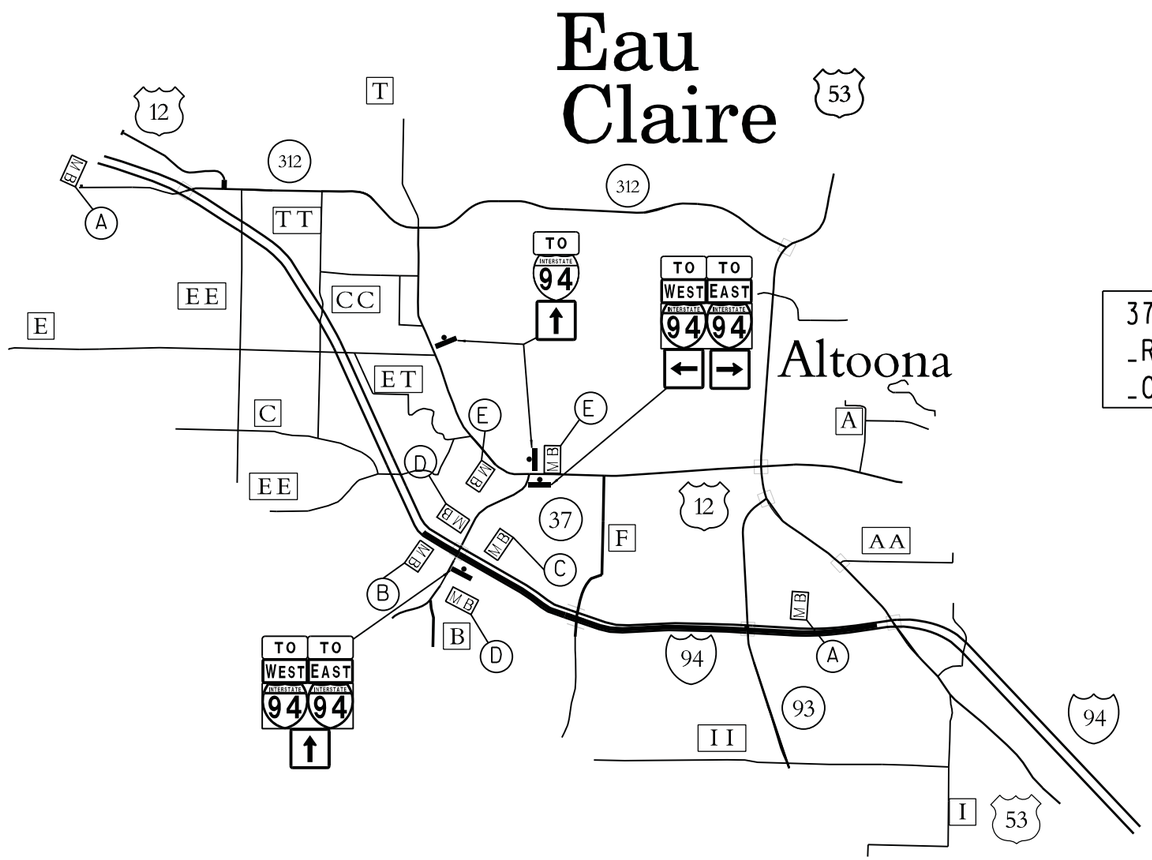
(D)

PHASE 1

37_/I-94
_RAMPS__
CLOSED

*USE MESSAGE DURING 24-HR CLOSURE

(D)



PHASE 1 | PHASE 2

37_/I-94 | __USE___
_RAMPS__ | __ALT___
CLOSED | __I_94__

*USE MESSAGE DURING 24-HR CLOSURE

(E)

PHASE 1 | PHASE 2

_STH_37_ | _CLOSED_
__EXIT__ | STARTING
__RAMP__ | __DATE__

*USE MESSAGE TWO WEEKS PRIOR TO CLOSURE

(B)

PHASE 1 | PHASE 2

__EXIT__ | __USE___
__RAMP__ | NEXT_TWO
CLOSED | _EXITS__

*USE MESSAGE DURING 24-HR CLOSURE

(B)

PHASE 1 | PHASE 2

_STH_37_ | _CLOSED_
__EXIT__ | STARTING
__RAMP__ | __DATE__

*USE MESSAGE TWO WEEKS PRIOR TO CLOSURE

(C)

PHASE 1 | PHASE 2

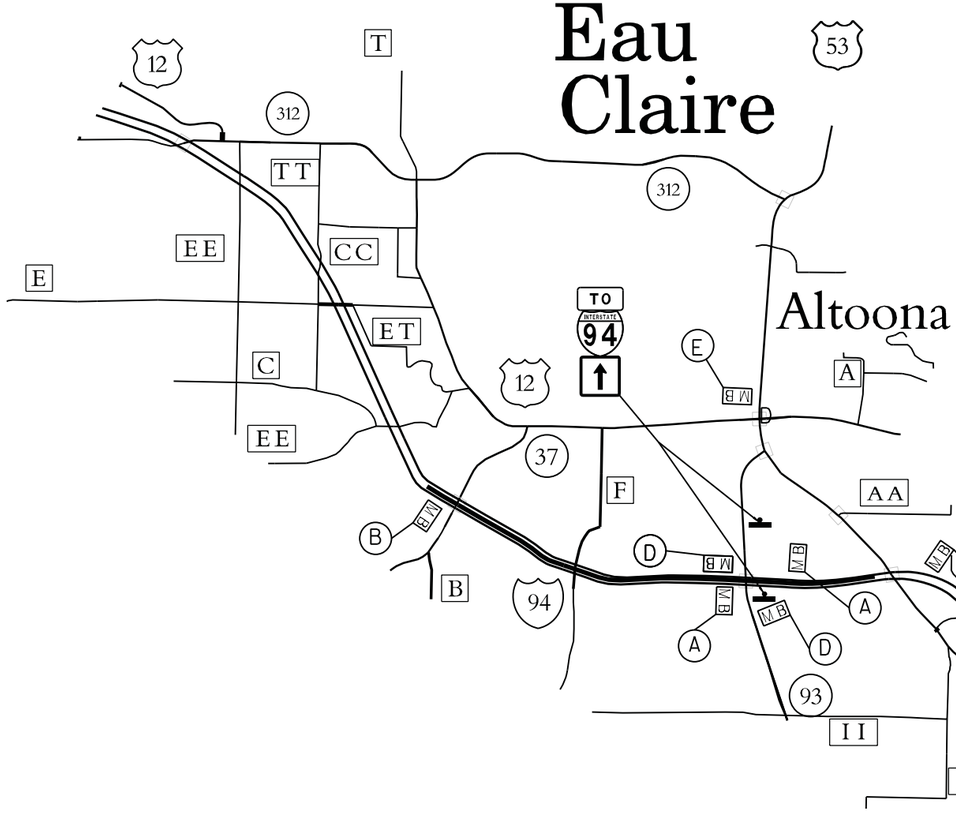
__EXIT__ | __USE___
__RAMP__ | __NEXT__
CLOSED | __EXIT__

*USE MESSAGE DURING 24-HR CLOSURE

(C)

PROJECT NO:1022-08-73	HWY:IH 94	COUNTY:EAU CLAIRE	TRAFFIC CONTROL - ALTERNATE ROUTE STH 37 RAMP CLOSURE	SHEET 170	E

2



PHASE 1 | PHASE 2

_STH_93_
__EXIT__
__RAMP__

CLOSED
_AHEAD__

*USE MESSAGE TWO WEEKS PRIOR TO CLOSURE

(B)

PHASE 1 | PHASE 2

93_/I-94
_RAMPS__
CLOSED

__USE___
__ALT___
__I_94__

*USE MESSAGE DURING 24-HR CLOSURE

(E)

PHASE 1 | PHASE 2

_STH_93_
__EXIT__
__RAMP__

CLOSED
STARTING
(DATE)

*USE MESSAGE ONE WEEK PRIOR TO 24-HR EXIT RAMP CLOSURE

(A)

PHASE 1 | PHASE 2

__EXIT__
__RAMP__
CLOSED

__USE___
__NEXT__
_EXITS__

*USE MESSAGE DURING 24-HR CLOSURE

(A)

PHASE 1 | PHASE 2

_STH_93_
_/I-94__
__RAMPS__

CLOSED
STARTING
__DATE__

*USE MESSAGE TWO WEEKS PRIOR TO CLOSURE

(D)

PHASE 1

93_/I-94
_RAMPS__
CLOSED

*USE MESSAGE DURING 24-HR CLOSURE

(D)

PHASE 1 | PHASE 2

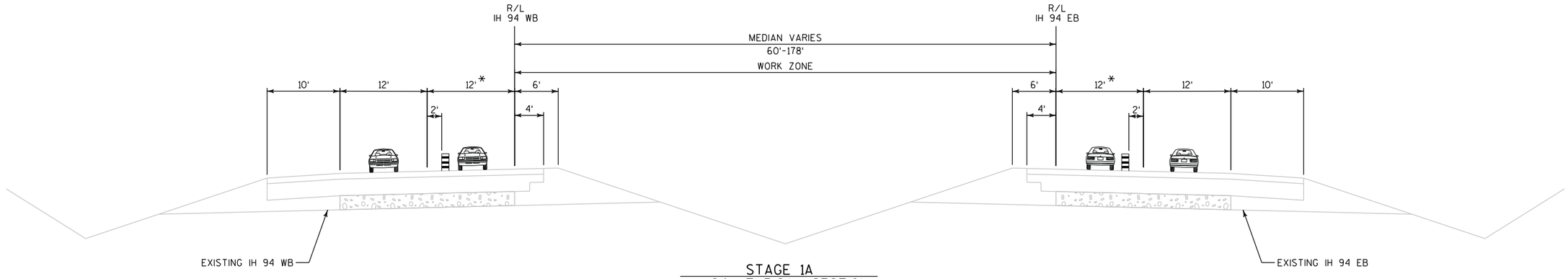
_STH_93_
__EXIT__
__RAMP__

CLOSED
_AHEAD__
____

*CHANGE MESSAGE ON PCMS BEING USED FOR ALT I94 DURING 24 HR STH 93 EXIT RAMP CLOSURE

(C)

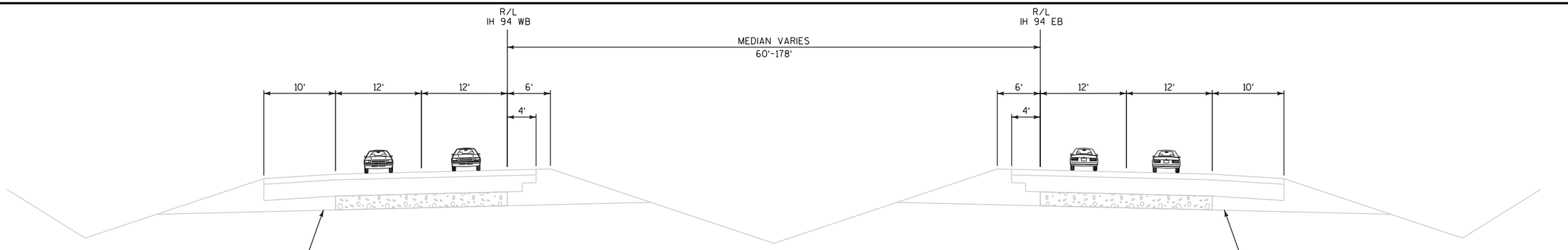
PROJECT NO:1022-08-73	HWY: IH 94	COUNTY:EAU CLAIRE	TRAFFIC CONTROL - ALTERNATE ROUTE STH 93 RAMP CLOSURE	SHEET 171	E



STAGE 1A
IH 94 TYPICAL SECTION

STA 375'EB'+00 TO STA 390'EB'+00
STA 446'EB'+00 TO STA 489'EB'+00
STA 534'EB'+00 TO STA 549'EB'+00

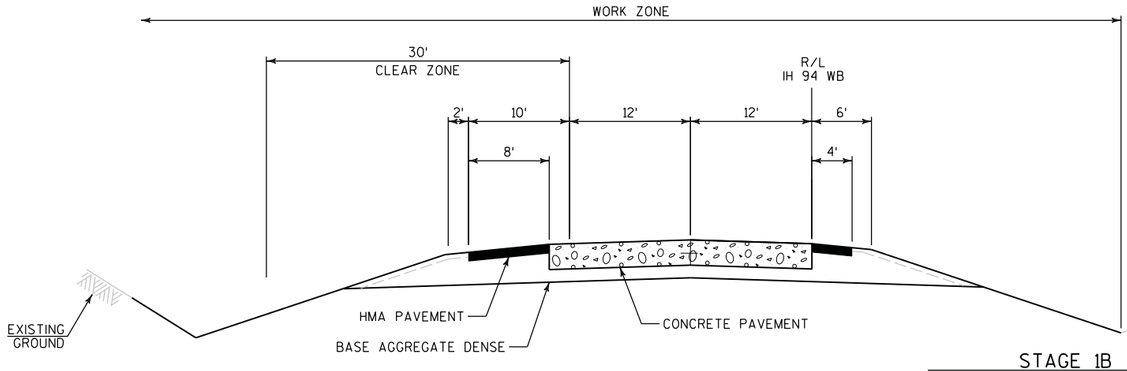
*CLOSE MEDIAN LANE ONLY DURING OFF PEAK HOURS FOR WORK NEXT TO LIVE TRAFFIC



STAGE 1B
IH 94 TYPICAL SECTION

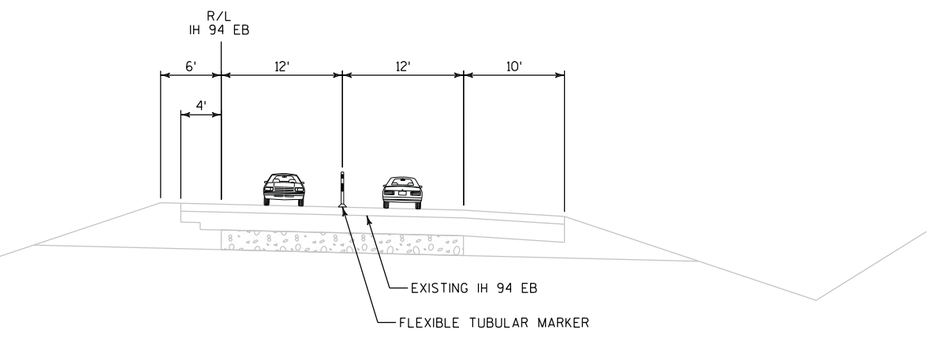
ON EXISTING

WEST LIMITS TO STA 442'EB'+00
(LOOKING EAST)



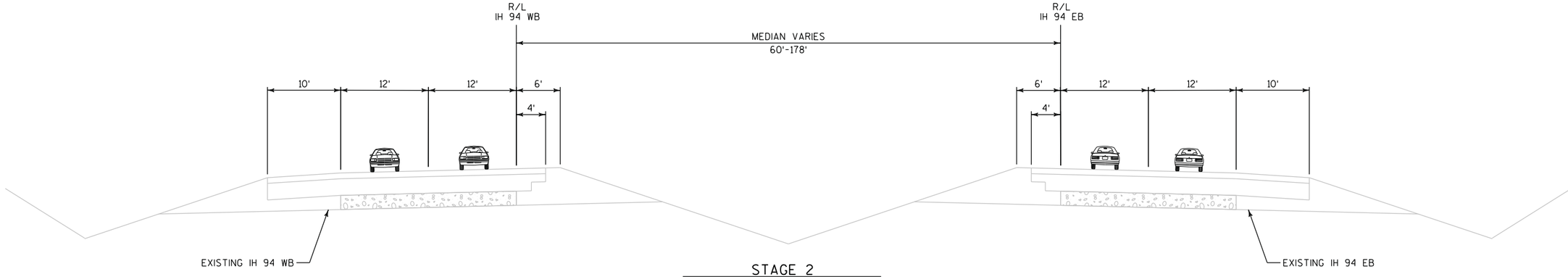
STAGE 1B
IH 94 TYPICAL SECTION

STA 442'EB'+00± WITHIN STH 93 INTERCHANGE
TO EAST PROJECT LIMITS
(LOOKING EAST)



BI-DIRECTIONAL TRAFFIC

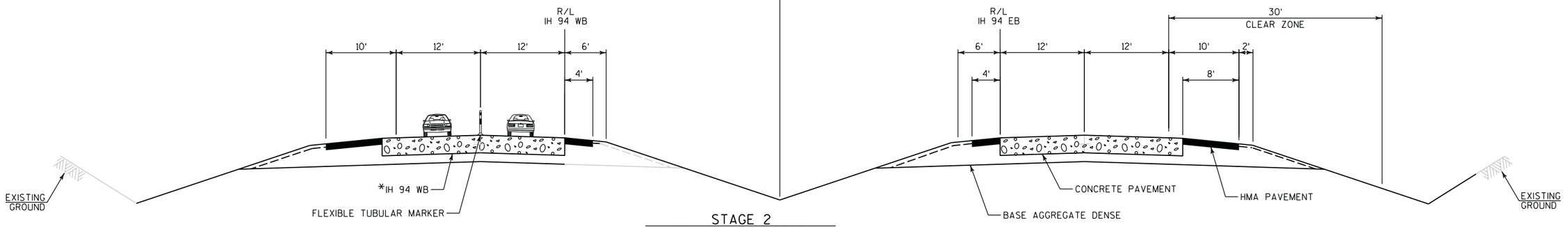
PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	STAGE TYPICAL SECTIONS	SHEET 172	E



STAGE 2
IH 94 TYPICAL SECTION

ON EXISTING

WEST LIMITS TO STA 362'EB'+00
(LOOKING EAST)



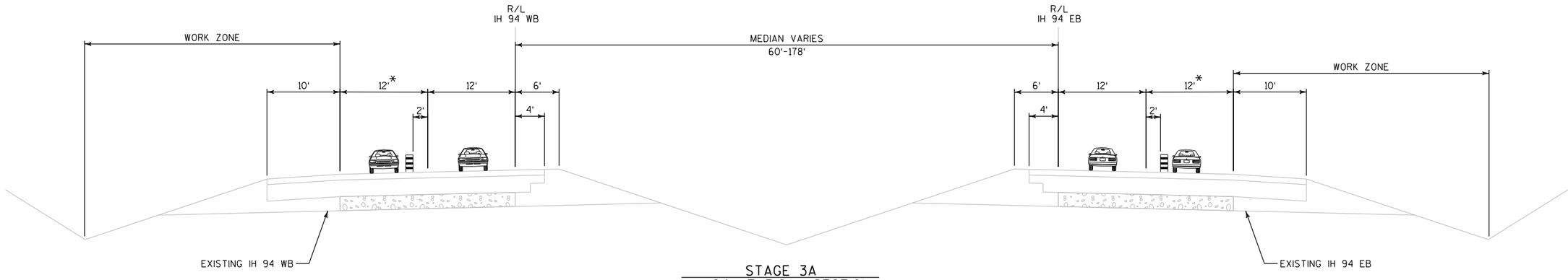
*ON EXISTING PAVEMENT FROM EAST OF THE CROSSOVER NEAR STA 362'EB'+00 TO STA 454'EB+36. ON NEW PAVEMENT FROM STA 454'EB'+36 TO THE WEST PROJECT LMITS

STAGE 2
IH 94 TYPICAL SECTION

IH 94 EAST OF CROSSOVER NEAR STA 362'EB'+00
TO EAST PROJECT LIMITS
(LOOKING EAST)

PROJECT NO:1022-08-73	HWY:IH 94	COUNTY:EAU CLAIRE	STAGE TYPICAL SECTIONS	SHEET 173	E

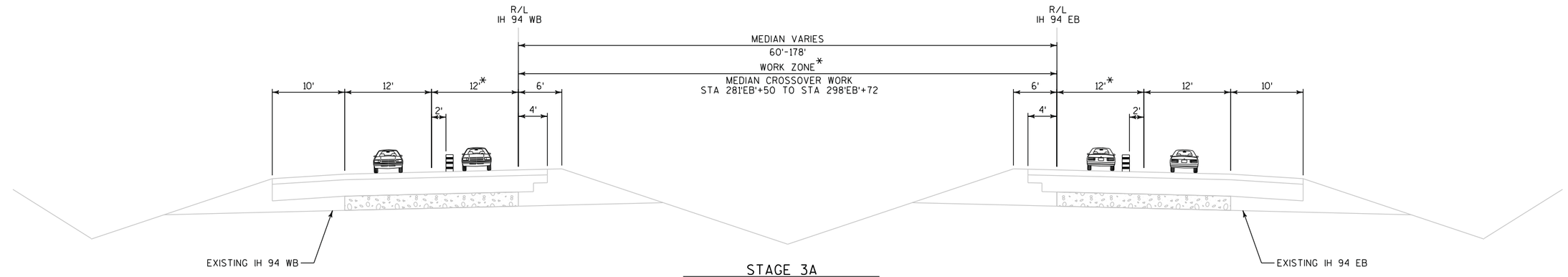
2



STAGE 3A
IH 94 TYPICAL SECTION

CHIPPEWA RIVER BRIDGE TO
STA 298'EB'+72

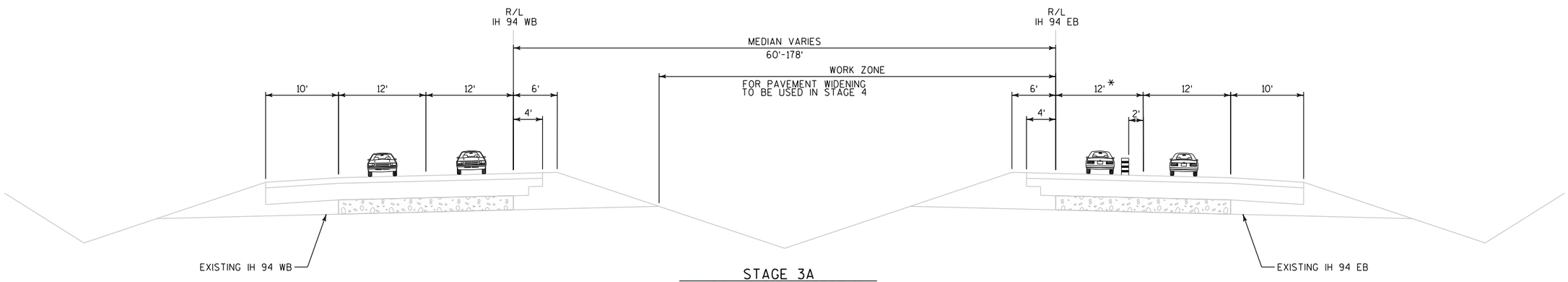
*CLOSE RIGHT LANE ONLY DURING OFF PEAK HOURS FOR WORK NEXT TO LIVE TRAFFIC



STAGE 3A
IH 94 TYPICAL SECTION

CHIPPEWA RIVER BRIDGE TO
STA 298'EB'+72

*CLOSE MEDIAN LANE ONLY DURING OFF PEAK HOURS FOR WORK NEXT TO LIVE TRAFFIC

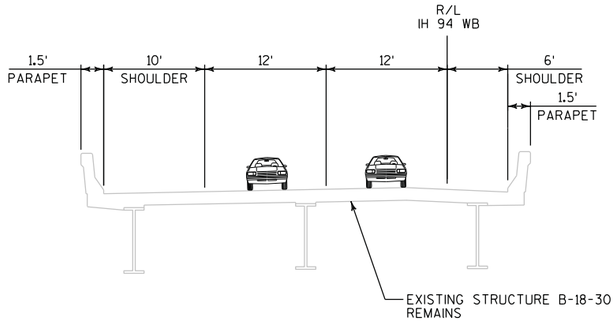


STAGE 3A
IH 94 TYPICAL SECTION

STA 300'EB'+59 TO STA 478'EB'+00
WORK ZONE AND TYPICAL IS REVERSE FOR STA 488'WB'+00 TO STA 474'WB'+00

*CLOSE MEDIAN LANE ONLY DURING OFF PEAK HOURS FOR WORK NEXT TO LIVE TRAFFIC

PROJECT NO:1022-08-73	HWY:IH 94	COUNTY:EAU CLAIRE	STAGE TYPICAL SECTIONS	SHEET 174	E



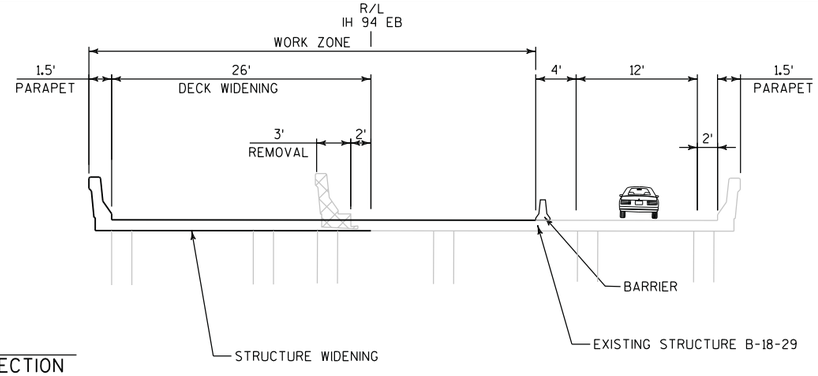
EXISTING

EXISTING TO BE REMOVED

PROPOSED

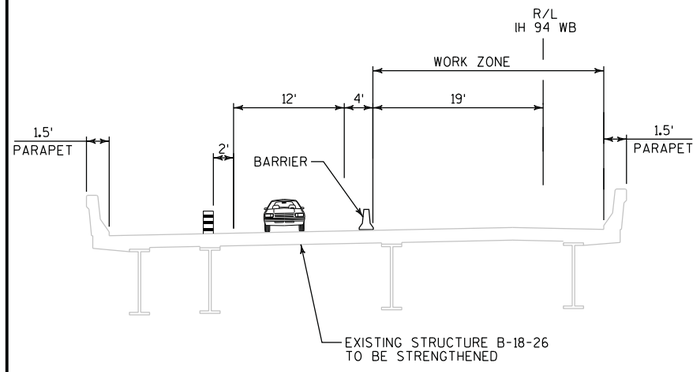
NOTE:

1. GIRDER SPACING AND LOCATION IS SCHEMATIC

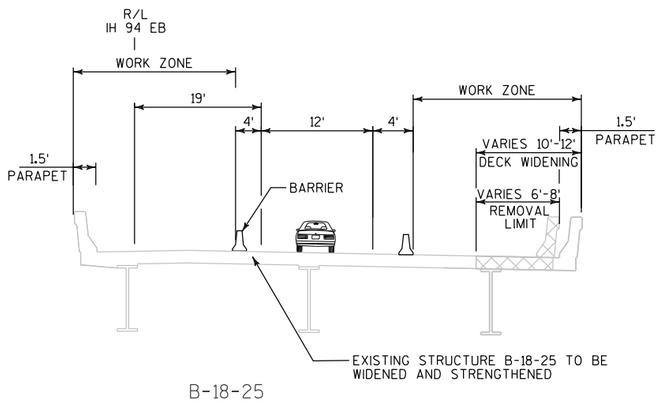


STAGE 3A
IH 94 TYPICAL SECTION

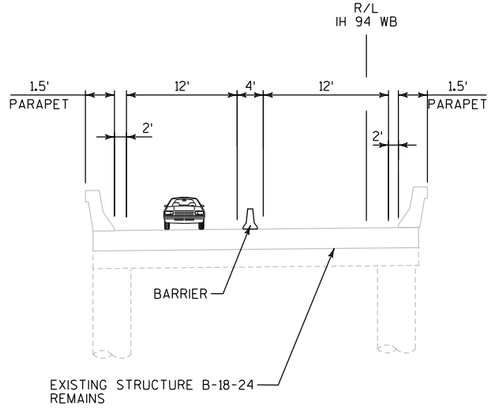
IH 94 OVER CTH F-STA 354+39
(LOOKING EAST)



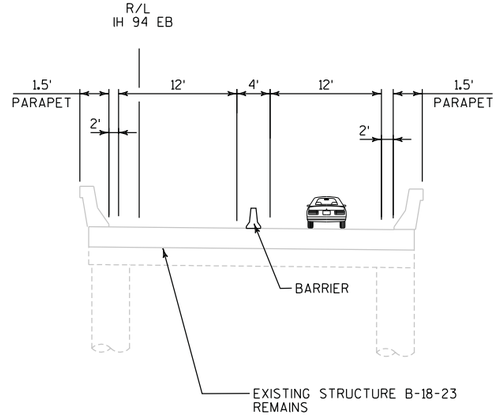
B-18-26



B-18-25



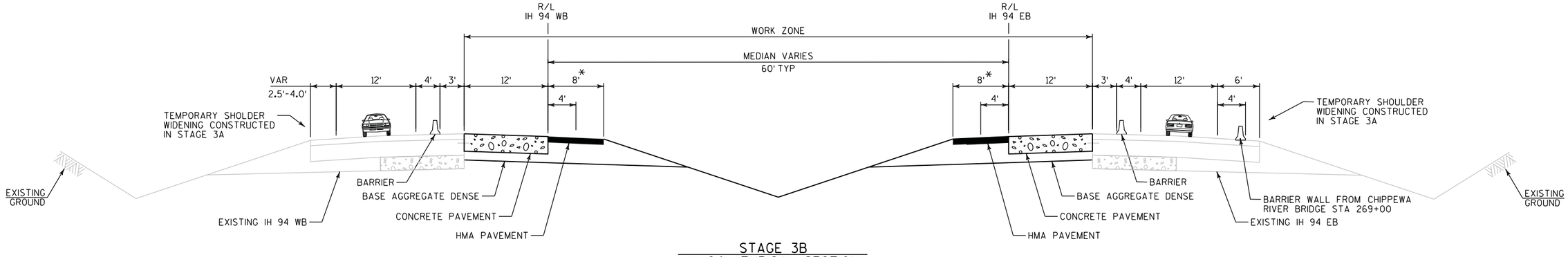
B-18-24



B-18-23

STAGE 3B
IH 94 TYPICAL SECTION

SINGLE-LANE TRAFFIC ON IH 94 EB AND WB
IH 94 OVER CHIPPEWA RIVER (B-18-23 AND B-18-24)
IH 94 OVER STH 37 (B-18-25 AND B-28-26)
(LOOKING EAST)

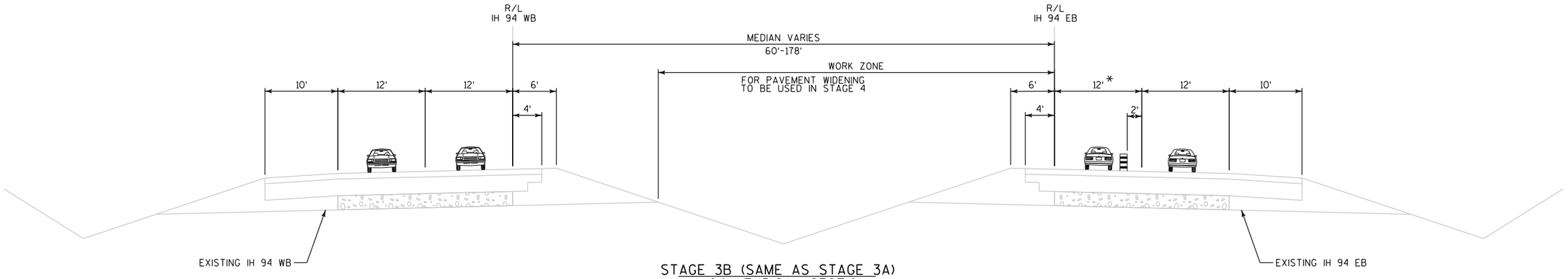


STAGE 3B
IH 94 TYPICAL SECTION

SINGLE-LANE TRAFFIC ON IH 94 EB AND WB
CHIPPEWA RIVER BRIDGE TO STA 298'EB'+92
CONSTRUCT INSIDE LANES AND INSIDE SHOULDERS

* 8' SHOULDER NEEDED FOR STAGE 3C TRAFFIC. SHOULDER TO BE REDUCED TO 4' IN STAGE 6B PER FINAL TYPICAL SECTION.

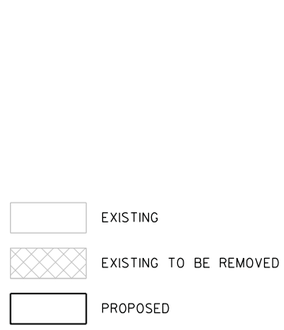
PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	STAGE TYPICAL SECTIONS	SHEET 175	E

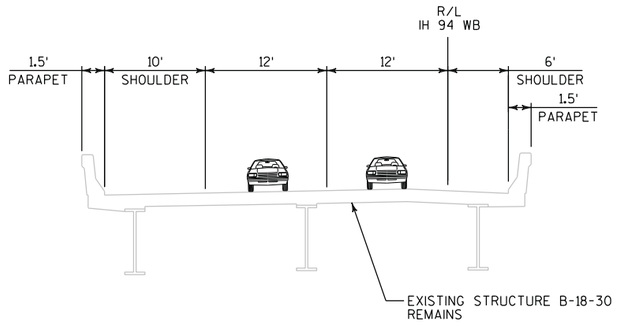


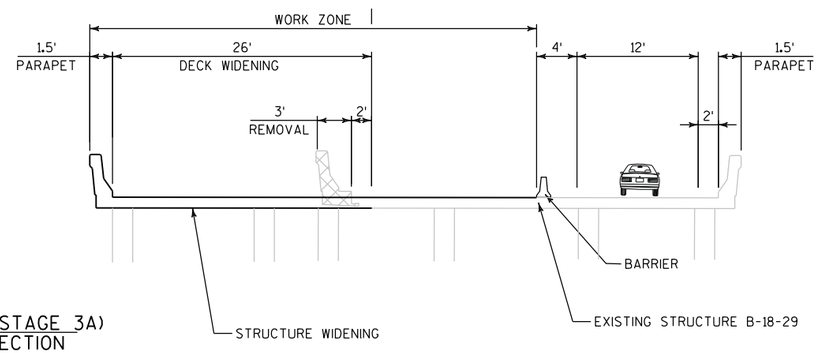
STAGE 3B (SAME AS STAGE 3A)
IH 94 TYPICAL SECTION

STA 300'EB'+59 TO STA 478'EB'+00
WORK ZONE AND TYPICAL IS REVERSE FOR STA 488'WB'+00 TO STA 474'WB'+00

*CLOSE MEDIAN LANE ONLY DURING OFF PEAK HOURS FOR WORK NEXT TO LIVE TRAFFIC





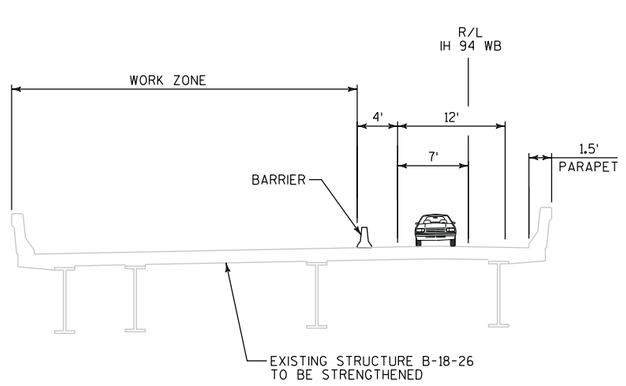


STAGE 3B (SAME AS STAGE 3A)
IH 94 TYPICAL SECTION

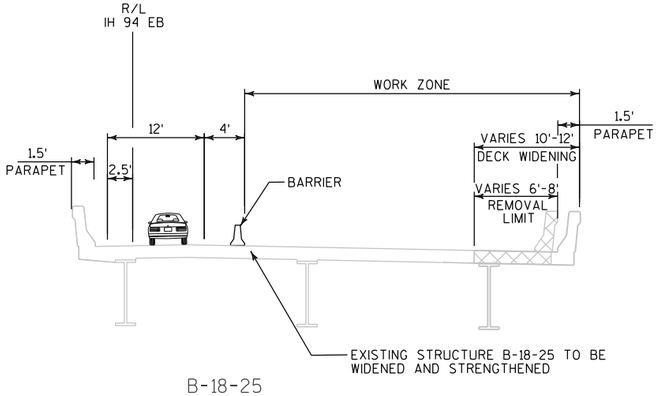
IH 94 OVER CTH F-STA 354+39
(LOOKING EAST)

NOTE:

1. GIRDER SPACING AND LOCATION IS SCHEMATIC



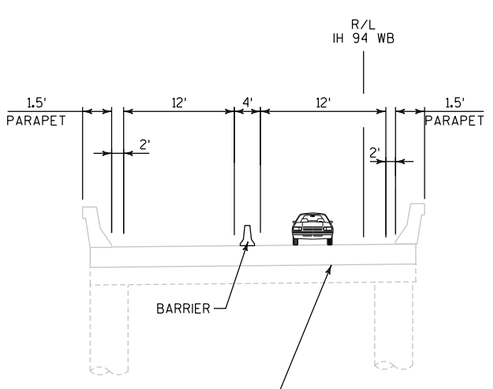
B-18-26



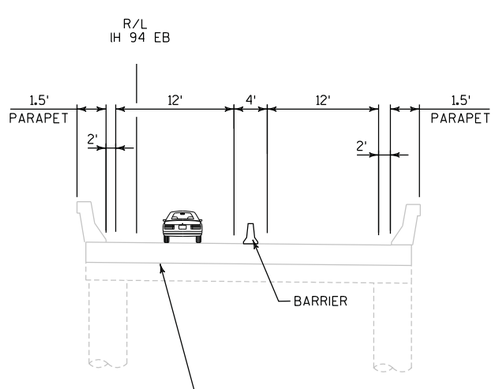
B-18-25

STAGE 3C
IH 94 TYPICAL SECTION

SINGLE-LANE TRAFFIC ON IH 94 EB AND WB
IH 94 OVER CHIPPEWA RIVER (B-18-23 AND B-18-24)
IH 94 OVER STH 37 (B-18-25 AND B-28-26)
(LOOKING EAST)

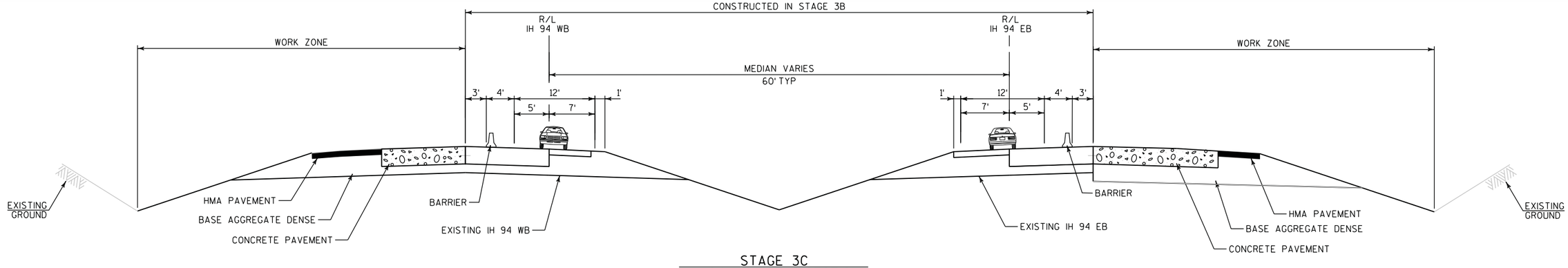


B-18-24



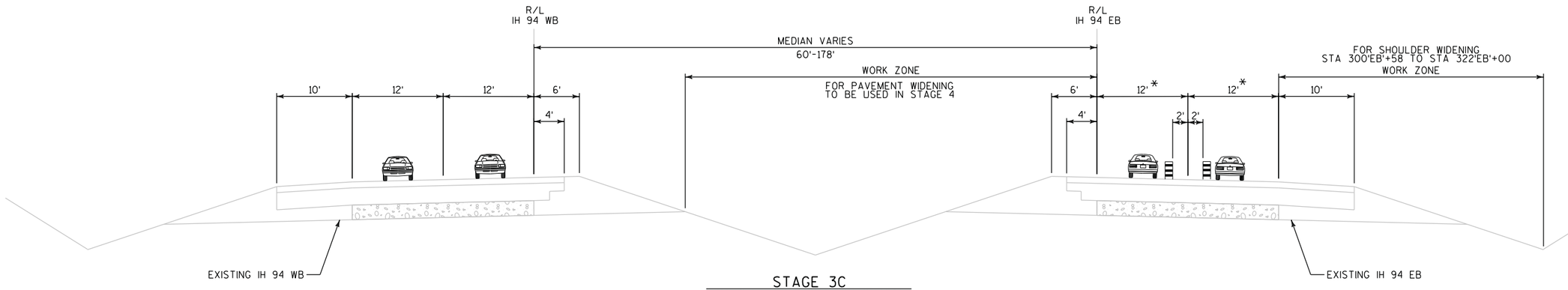
B-18-23

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	STAGE TYPICAL SECTIONS	SHEET 176	E



STAGE 3C
IH 94 TYPICAL SECTION

SINGLE-LANE TRAFFIC ON IH 94 EB AND WB
CHIPPEWA RIVER BRIDGE TO STA 298'EB'+92
CONSTRUCT OUTSIDE LANES AND OUTSIDE SHOULDERS



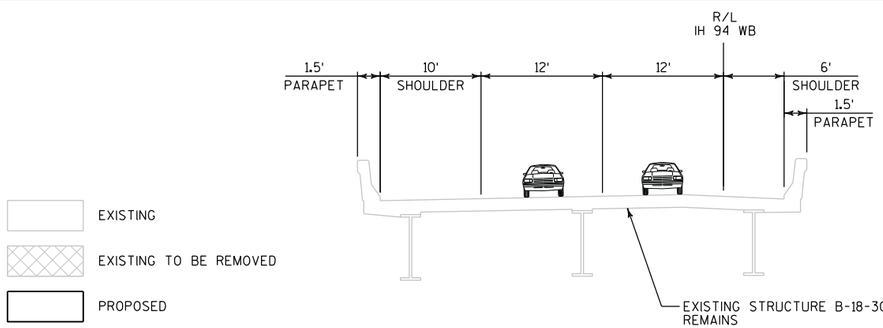
STAGE 3C
IH 94 TYPICAL SECTION

STA 300'EB'+59 TO STA 478'EB'+00
WORK ZONE AND TYPICAL IS REVERSE FOR STA 488'WB'+00 TO STA 474'WB'+00

*CLOSE MEDIAN LANE ONLY DURING OFF PEAK HOURS FOR WORK NEXT TO LIVE TRAFFIC

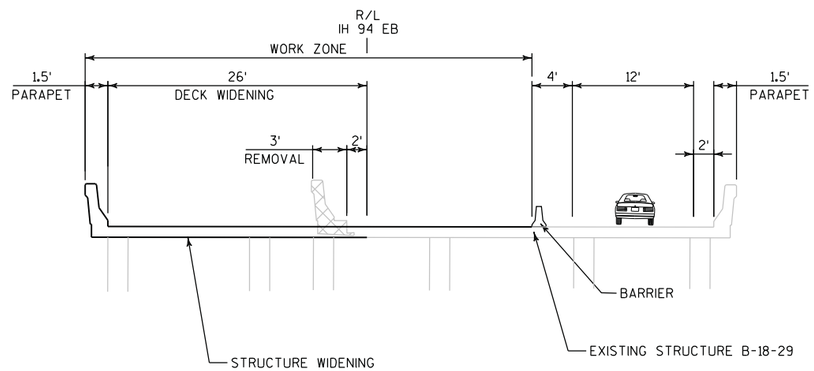
CLOSE RIGHT LANE ONLY DURING OFF PEAK HOURS FOR WORK NEXT TO LIVE TRAFFIC

ONLY ONE LANE TO BE CLOSED AT A TIME.



STAGE 3C (SAME AS STAGE 3B)
IH 94 TYPICAL SECTION

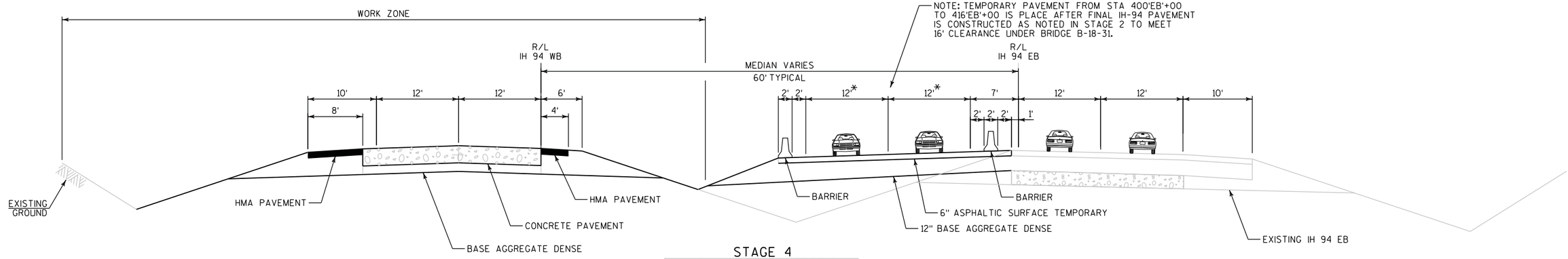
IH 94 OVER CTH F-STA 354+39
(B-18-29 AND B-18-30)
(LOOKING EAST)



NOTE:

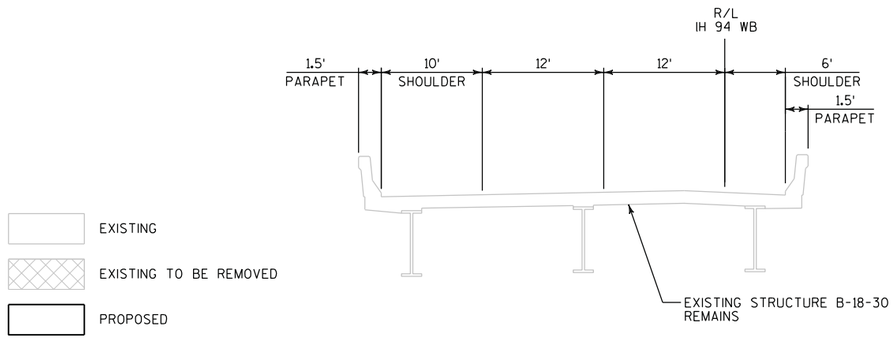
1. GIRDER SPACING AND LOCATION IS SCHEMATIC

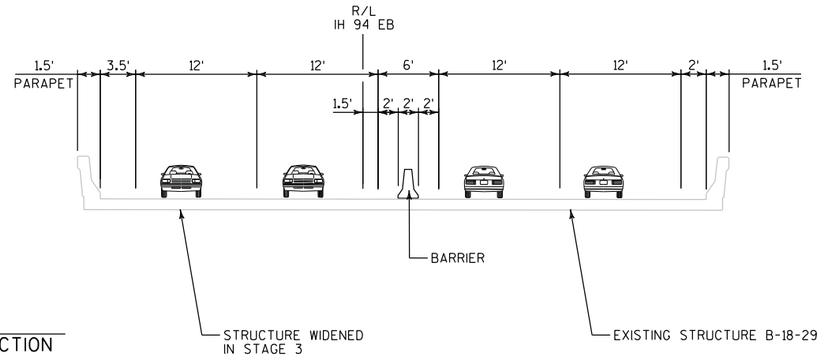
PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	STAGE TYPICAL SECTIONS	SHEET 177	E



STAGE 4
IH 94 TYPICAL SECTION
IH 94 EAST OF STH 37 INTERCHANGE
TO STH 93 INTERCHANGE
(LOOKING EAST)

*MATCH CROSS SLOPE OF IH-94 IN AREAS OF EXISTING SUPER ELEVATION.

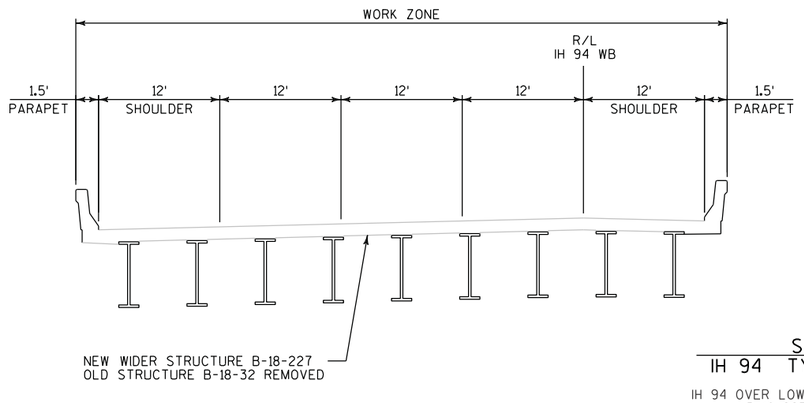


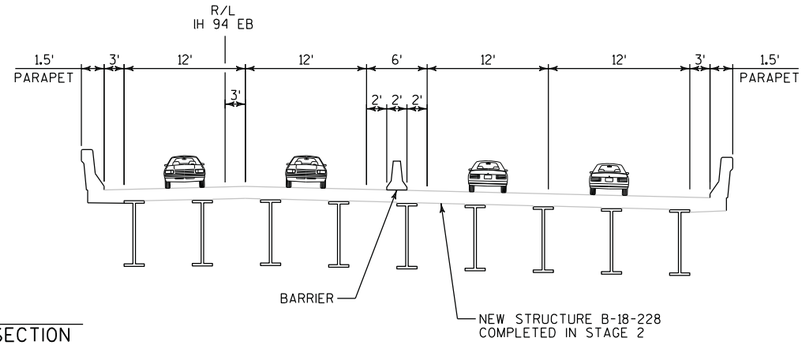


STAGE 4
IH 94 TYPICAL SECTION
IH 94 OVER CTH F-STA 354+39
(B-18-29 AND B-18-30)
(LOOKING EAST)

NOTE:

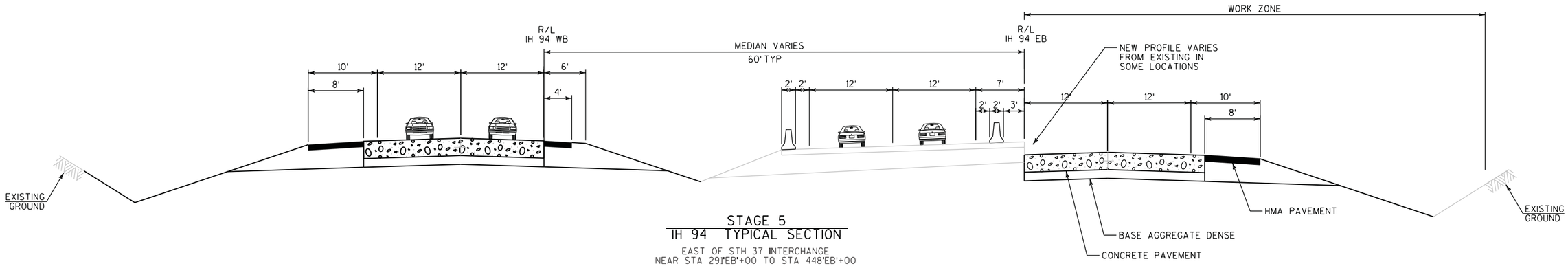
1. GIRDER SPACING AND LOCATION IS SCHEMATIC





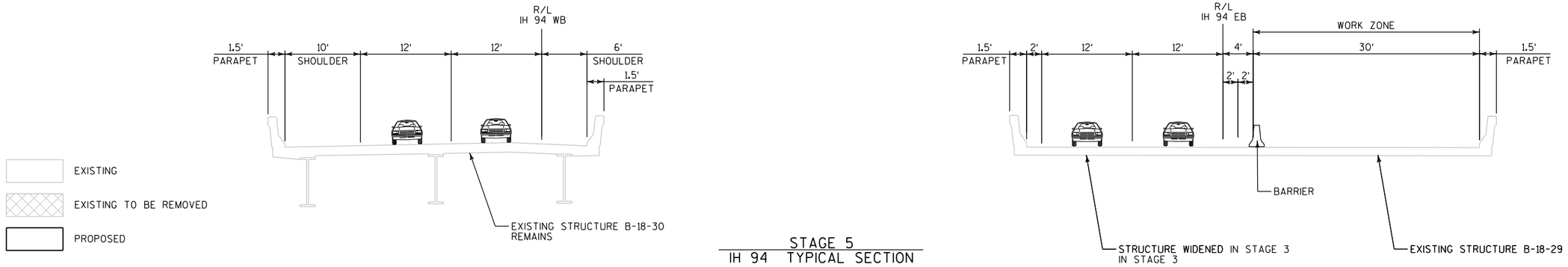
STAGE 4
IH 94 TYPICAL SECTION
IH 94 OVER LOWES CREEK-STA 407+47
(B-18-227 AND B-18-228)
(LOOKING EAST)

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	STAGE TYPICAL SECTIONS	SHEET 178	E



STAGE 5
IH 94 TYPICAL SECTION

EAST OF STH 37 INTERCHANGE
NEAR STA 291'EB'+00 TO STA 448'EB'+00
(LOOKING EAST)

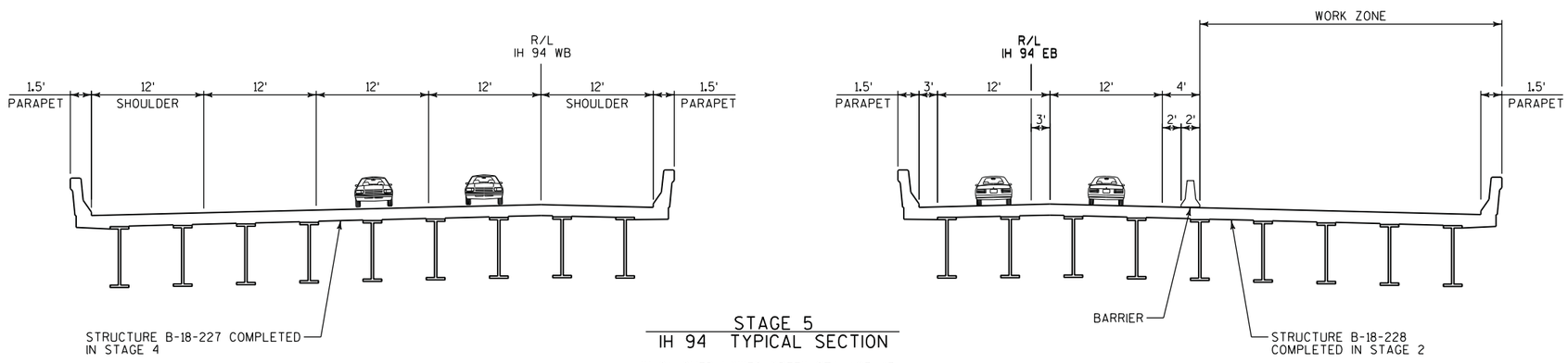


NOTE:

1. GIRDER SPACING AND LOCATION IS SCHEMATIC

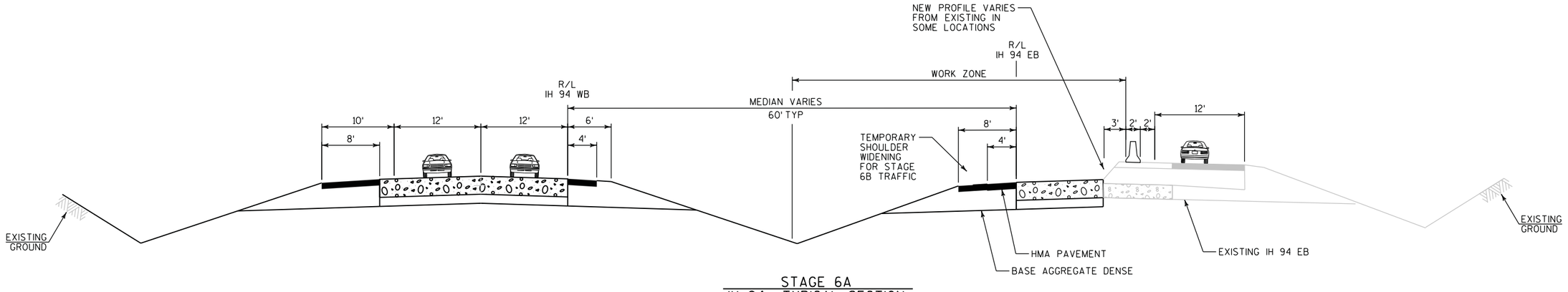
STAGE 5
IH 94 TYPICAL SECTION

IH 94 OVER CTH F-STA 354+39
(B-18-29 AND B-18-30)
(LOOKING EAST)



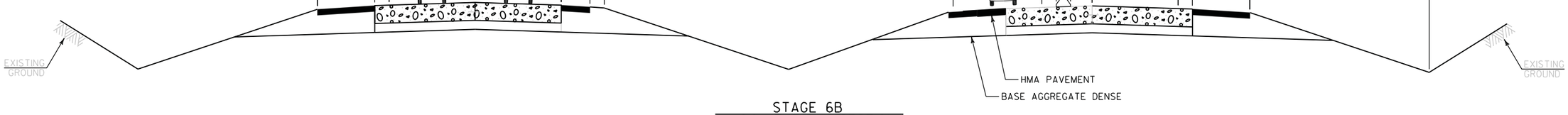
STAGE 5
IH 94 TYPICAL SECTION

IH 94 OVER LOWES CREEK-STA 407+47
(B-18-227 AND B-18-228)
(LOOKING EAST)



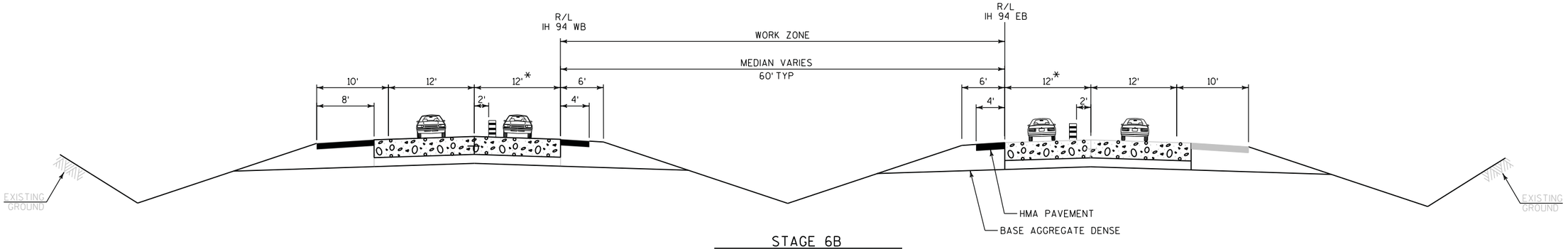
STAGE 6A
IH 94 TYPICAL SECTION

STA 300+58 (LOWES CREEK BRIDGE)
TO STA 322+00



STAGE 6B
IH 94 TYPICAL SECTION

STA 300+58 (LOWES CREEK BRIDGE)
TO STA 322+00



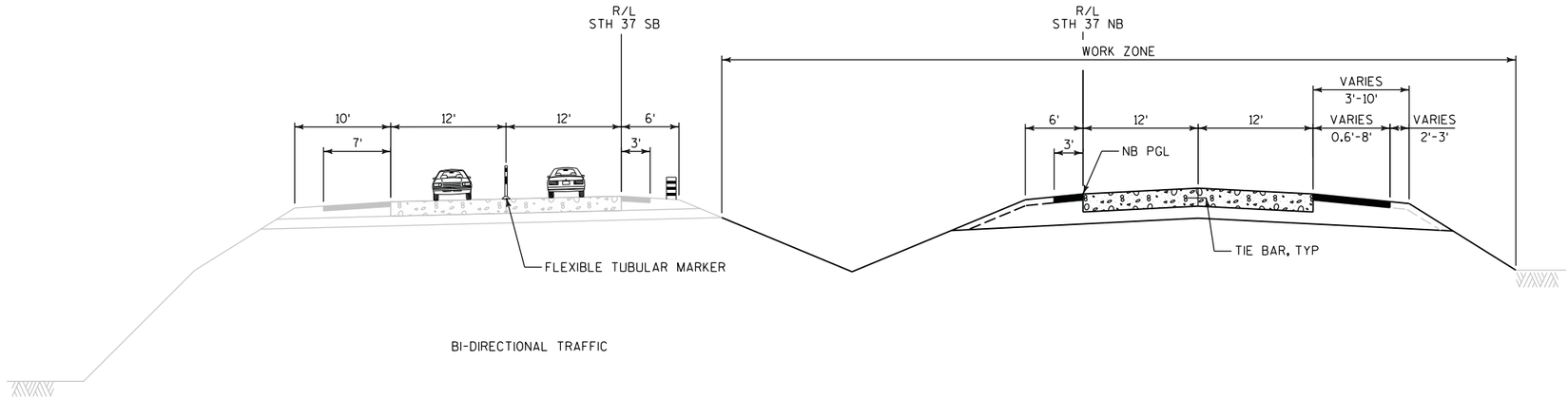
STAGE 6B
IH 94 TYPICAL SECTION

CHIPPEWA RIVER BRIDGE
TO
EAST PROJECT LIMITS

*MEDIAN LANE CLOSURE DURING OFF PEAK HOURS FOR WORK NEXT TO LIVE TRAFFIC

PROJECT NO:1022-08-73	HWY:IH 94	COUNTY:EAU CLAIRE	STAGE TYPICAL SECTIONS	SHEET 180	E

2



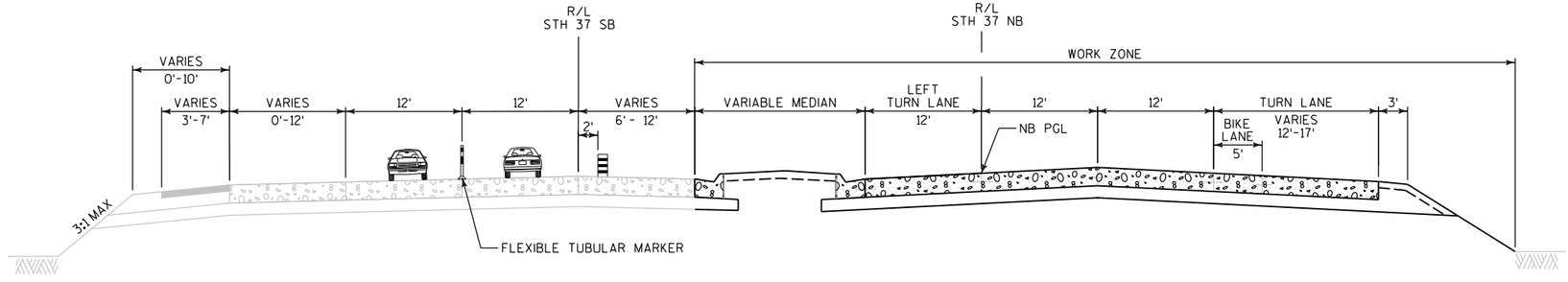
BI-DIRECTIONAL TRAFFIC

STAGE 3B, 3C AND 4
STH 37
RURAL SECTIONS

EXISTING

EXISTING TO BE REMOVED

PROPOSED

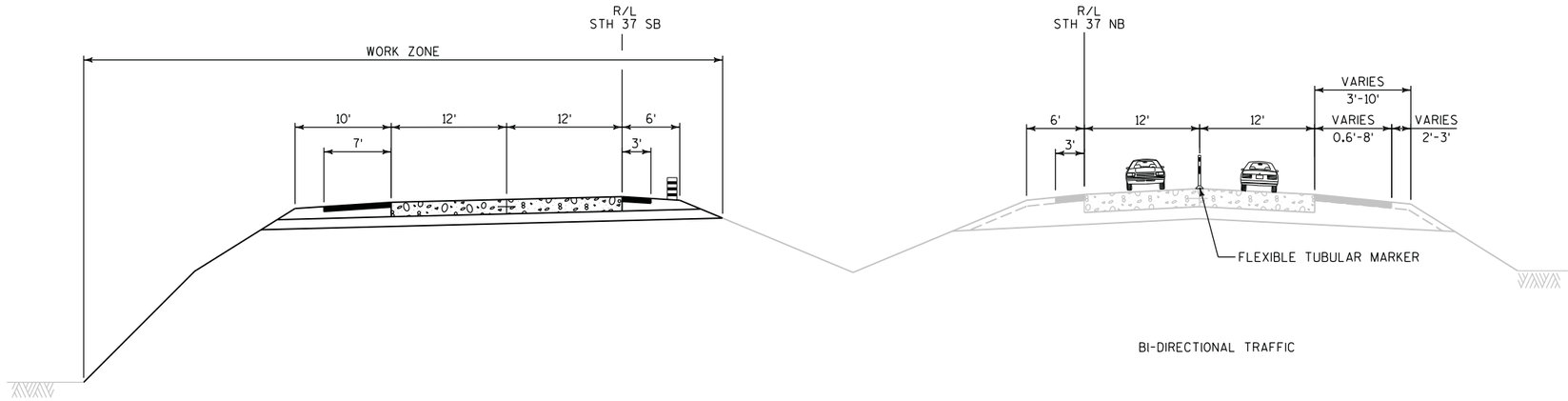


BI-DIRECTIONAL TRAFFIC

STAGE 3B, 3C AND 4
STH 37
URBAN SECTIONS

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	STAGE TYPICAL SECTIONS	SHEET 181	E

2



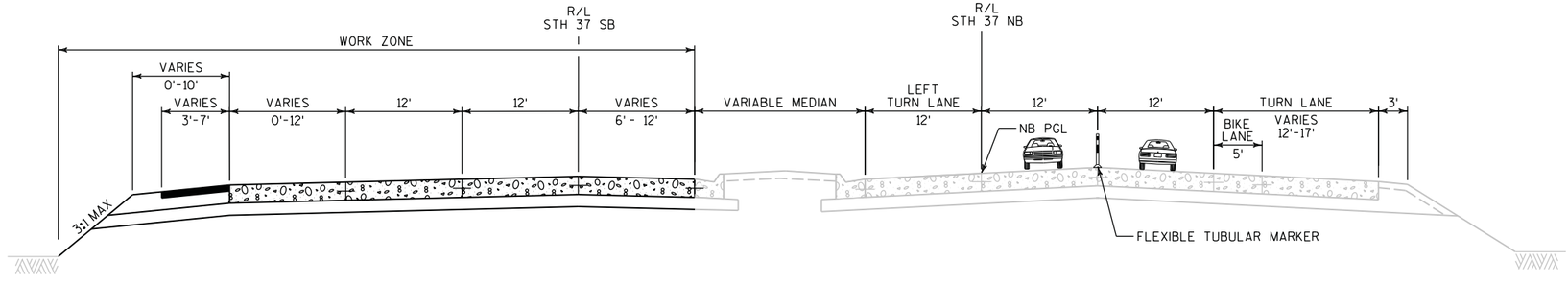
BI-DIRECTIONAL TRAFFIC

STAGE 5
STH 37
RURAL SECTIONS

EXISTING

EXISTING TO BE REMOVED

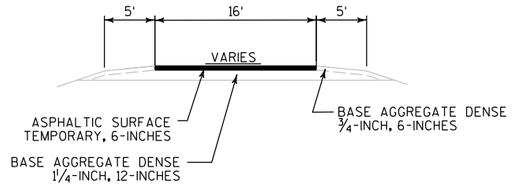
PROPOSED



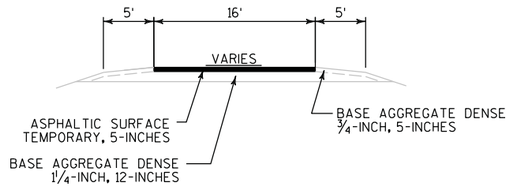
BI-DIRECTIONAL TRAFFIC

STAGE 5
STH 37
URBAN SECTIONS

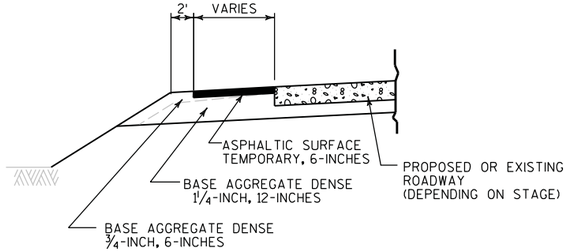
PROJECT NO:1022-08-73	HWY: IH 94	COUNTY:EAU CLAIRE	STAGE TYPICAL SECTIONS	SHEET 182	E

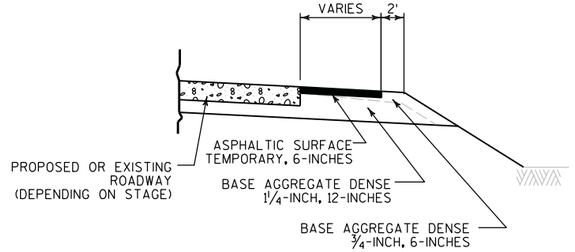


CROSSOVER TYPICAL SECTION
IH 94



TEMPORARY RAMP TYPICAL SECTION
IH 94





TEMPORARY SHOULDER WIDENING TYPICAL SECTION
IH 94

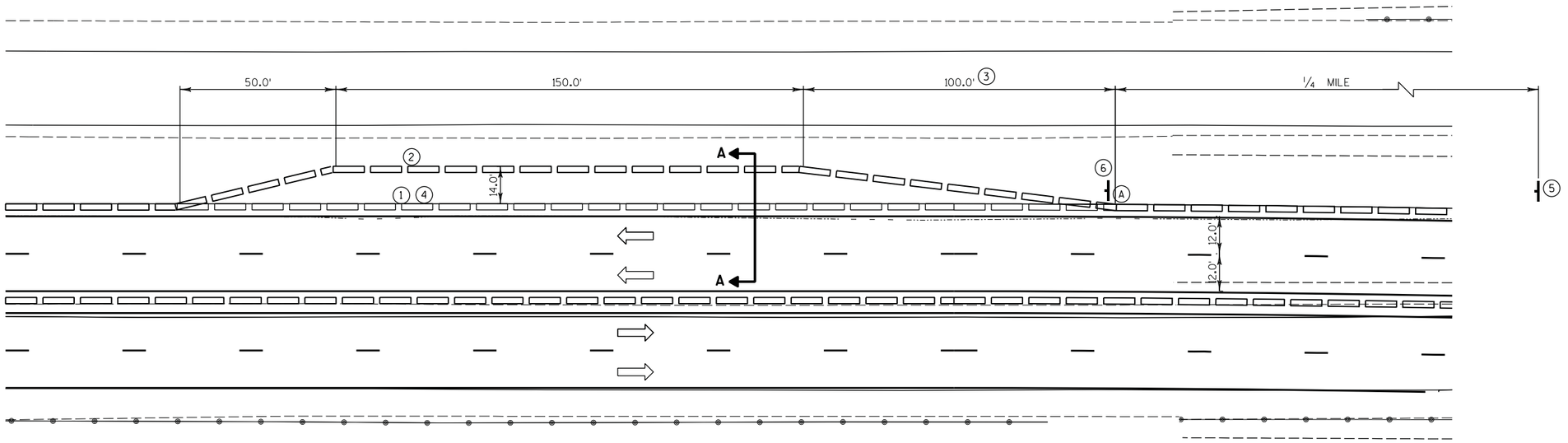
RIGHT SHOULDER IH-94 STA 340'EB'+00 TO STA 364'EB'+00 - ASPHALT SHOULDER VARIES 2' TO 12' - CONSTRUCTED IN STAGE 1B

RIGHT SHOULDER IH-94 CHIPPEWA RIVER BRIDGE TO STA 280'EB'+00 - ASPHALT SHOULDER VARIES 2' TO 9.5' - CONSTRUCTED IN STAGE 3A
RIGHT SHOULDER IH-94 STA 283'EB'+00 TO STA 298'EB'+71 - ASPHALT SHOULDER VARIES 2' TO 25' - CONSTRUCTED IN STAGE 3A
RIGHT SHOULDER IH-94 CHIPPEWA RIVER BRIDGE TO STA 262'WB'+50 - ASPHALT SHOULDER VARIES 2' TO 5.5' - CONSTRUCTED IN STAGE 3A
RIGHT SHOULDER IH-94 STA 267'WB'+22 TO STA 274'WB'+85 - ASPHALT SHOULDER VARIES 2' TO 9.5' - CONSTRUCTED IN STAGE 3A
RIGHT SHOULDER IH-94 STA 282'WB'+32 TO STA 298'WB'+83 - ASPHALT SHOULDER VARIES 2' TO 9.0' - CONSTRUCTED IN STAGE 3A

RIGHT SHOULDER IH-94 STA 300'EB'+58 TO STA 322'EB'+00 - ASPHALT SHOULDER VARIES 2' TO 12.0' - CONSTRUCTED IN STAGE 3C

LEFT SHOULDER IH-94 STA 300'EB'+58 TO STA 322'EB'+00 - ASPHALT SHOULDER VARIES 2' TO 4' - CONSTRUCTED IN STAGE 6A

2



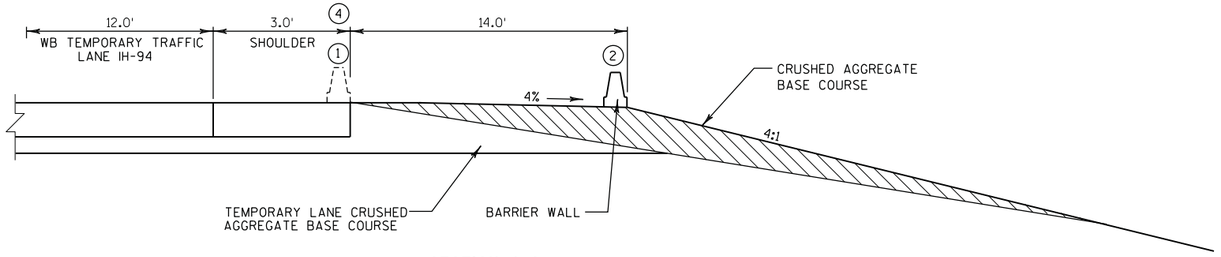
PLAN VIEW

TEMPORARY EMERGENCY PULLOUTS FOR DIVIDED HIGHWAYS

BARRIER WALL NOT TO SCALE

NOTES:

1. SET CONCRETE BARRIER TEMPORARY PRECAST, 12'-6" ALONG NORMAL SHOULDER TO ESTABLISH PROPER SPACING FOR FUTURE BARRIER PLACEMENT.
2. MOVE WALL OUTWARD IN EMERGENCY PULLOUT LOCATION AS SHOWN ADDING ADDITIONAL BARRIER WALL SEGMENTS TO ACCOMMODATE TAPERS.
3. MAINTAIN 100' MIN TAPER AS REQUIRED TO MATCH AND REJOIN AT POINT "A".
4. GAP PAVING WILL REQUIRE THE TEMPORARY EMERGENCY PULL OUT TO BE MOVED. MOVE TEMPORARY EMERGENCY PULLOUT TO NEW LOCATION AND REPLACE STRAIGHT WALL SECTION ALONG NORMAL SHOULDER.

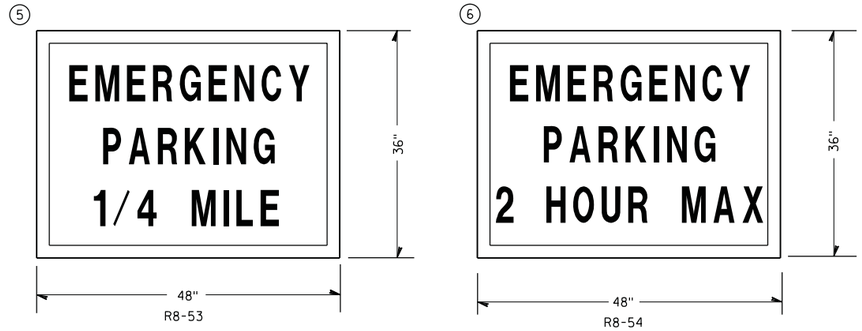


SECTION A-A

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS, APPLICABLE SPECIAL PROVISIONS AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.

TEMPORARY EMERGENCY PULLOUTS AND SIGNS SHALL BE REMOVED AND THE ROADWAY RESTORED TO ITS ORIGINAL CROSS SECTION AND CONDITION PRIOR TO REOPENING THE ROADWAY TO ONE WAY TRAFFIC.



SIGNS TO BE BLACK LETTERS ON WHITE REFLECTIVE BACKGROUND

SIGNS FOR TEMPORARY EMERGENCY PULLOUTS

2

CONSTRUCTION

CONSTRUCT MEDIAN CROSSOVERS AND TEMPORARY RAMP CONNECTIONS

TRAFFIC

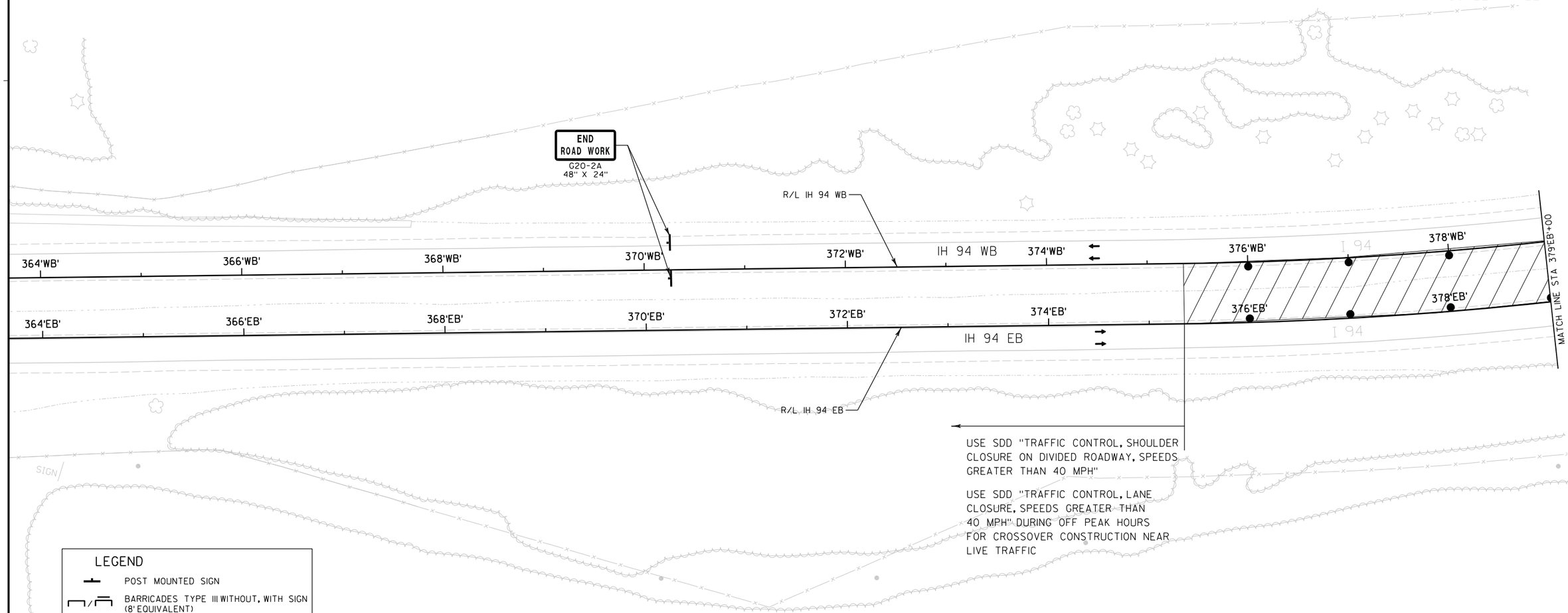
IH 94 MAINLINE ON EXISTING PAVEMENT

OFF PEAK SINGLE LANE CLOSURES

N

0 50 100

SCALE IN FEET



USE SDD "TRAFFIC CONTROL, SHOULDER CLOSURE ON DIVIDED ROADWAY, SPEEDS GREATER THAN 40 MPH"

USE SDD "TRAFFIC CONTROL, LANE CLOSURE, SPEEDS GREATER THAN 40 MPH" DURING OFF PEAK HOURS FOR CROSSOVER CONSTRUCTION NEAR LIVE TRAFFIC

LEGEND

- POST MOUNTED SIGN
- BARRICADES TYPE III WITHOUT, WITH SIGN (8' EQUIVALENT)
- CONSTRUCTION THIS STAGE
- PREVIOUSLY CONSTRUCTED
- TRAFFIC
- CONCRETE BARRIER TEMPORARY
- TEMPORARY PAVEMENT MARKING
- DRUM
- DRUM WITH WARNING LIGHT TYPE C
- FLEXIBLE TUBULAR MARKER AND BASE
- TEMPORARY DELINEATOR

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CONSTRUCTION STAGING - STAGE 1A	SHEET 185	E

FILE NAME : ...\CH_0803_026009_S1A.dgn PLOT DATE : 3/1/2013 PLOT BY : SEH PLOT NAME : PLOT SCALE : N/A

2

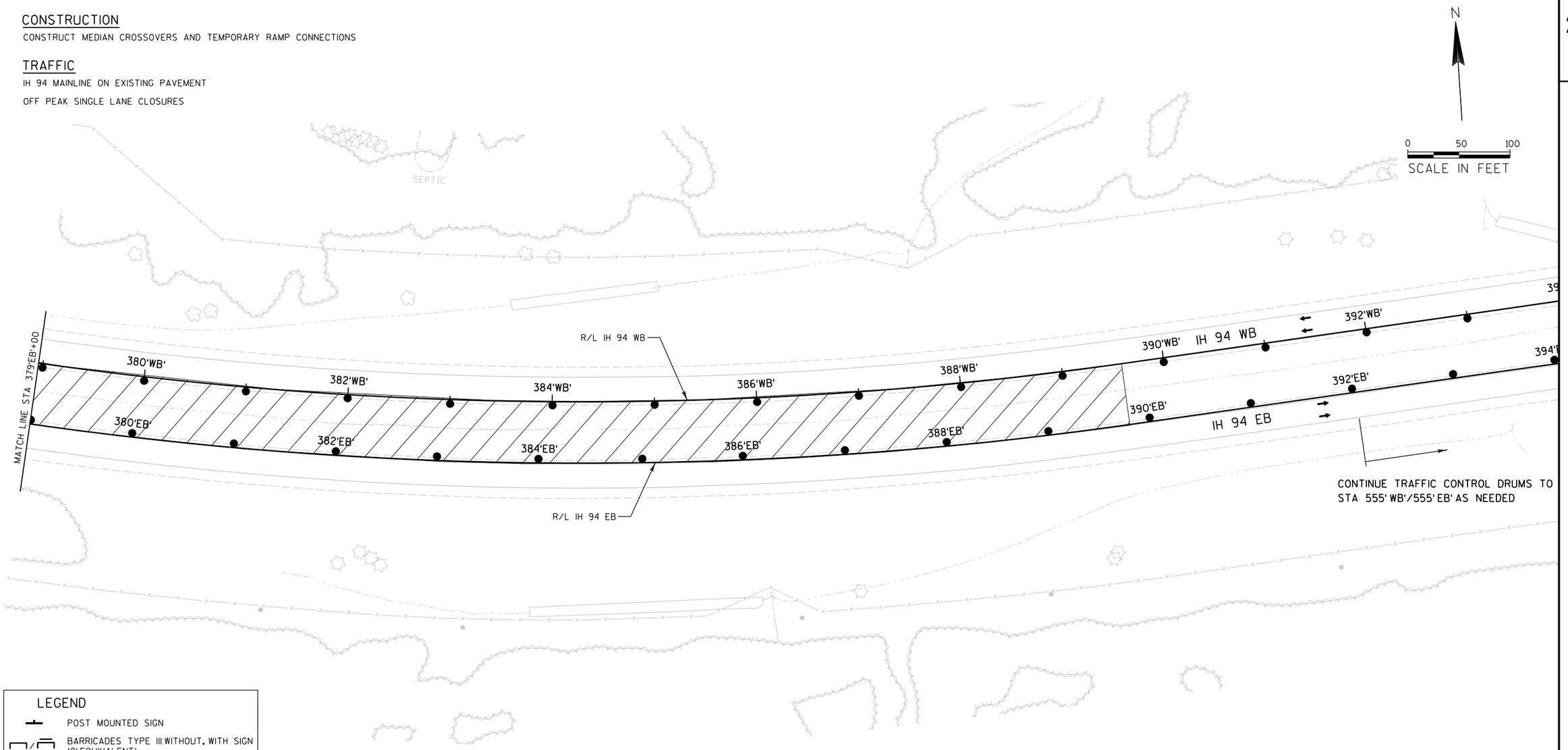
CONSTRUCTION

CONSTRUCT MEDIAN CROSSOVERS AND TEMPORARY RAMP CONNECTIONS

TRAFFIC

IH 94 MAINLINE ON EXISTING PAVEMENT

OFF PEAK SINGLE LANE CLOSURES



LEGEND

- POST MOUNTED SIGN
- BARRICADES TYPE III WITHOUT, WITH SIGN (8' EQUIVALENT)
- CONSTRUCTION THIS STAGE
- PREVIOUSLY CONSTRUCTED
- TRAFFIC
- CONCRETE BARRIER TEMPORARY
- TEMPORARY PAVEMENT MARKING
- DRUM
- DRUM WITH WARNING LIGHT TYPE C
- FLEXIBLE TUBULAR MARKER AND BASE
- TEMPORARY DELINEATOR

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CONSTRUCTION STAGING - STAGE 1A	SHEET 186	E

2

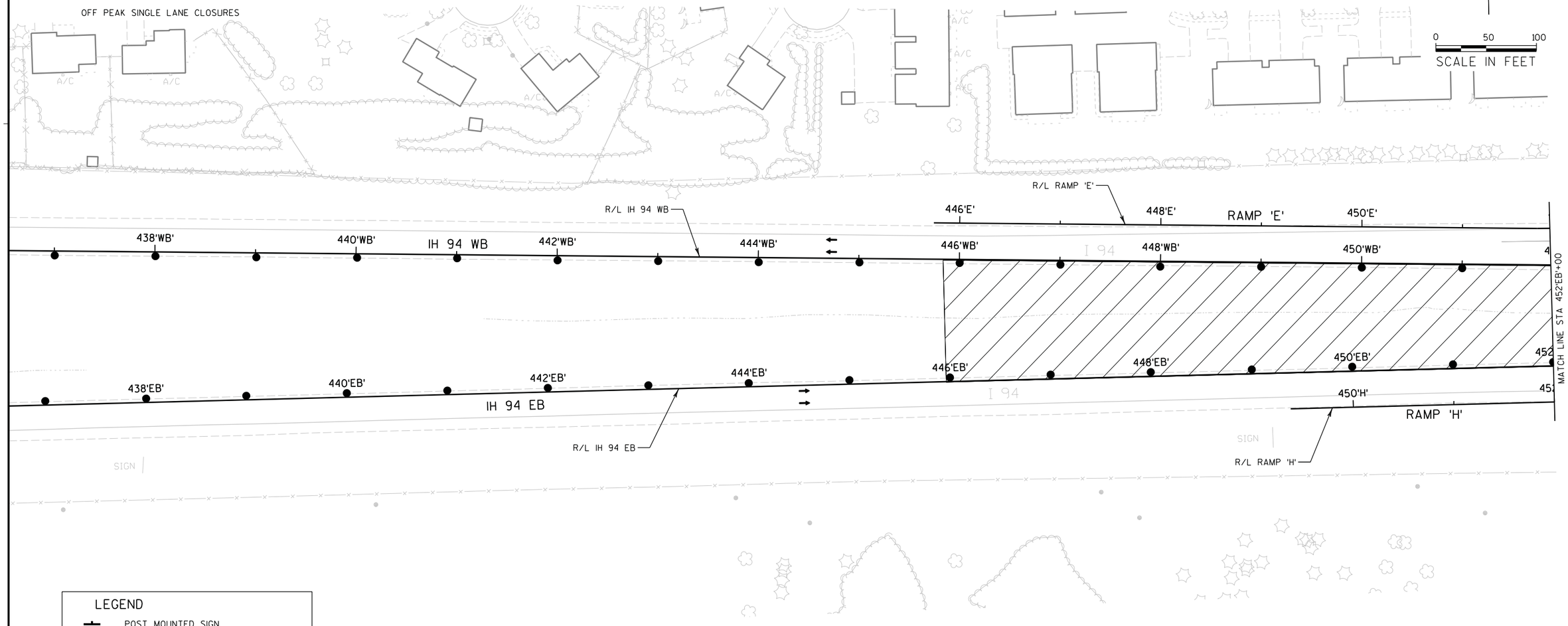
CONSTRUCTION

CONSTRUCT MEDIAN CROSSOVERS AND TEMPORARY RAMP CONNECTIONS

TRAFFIC

IH 94 MAINLINE ON EXISTING PAVEMENT

OFF PEAK SINGLE LANE CLOSURES



LEGEND

- POST MOUNTED SIGN
- BARRICADES TYPE III WITHOUT, WITH SIGN (8' EQUIVALENT)
- CONSTRUCTION THIS STAGE
- PREVIOUSLY CONSTRUCTED
- TRAFFIC
- CONCRETE BARRIER TEMPORARY
- TEMPORARY PAVEMENT MARKING
- DRUM
- DRUM WITH WARNING LIGHT TYPE C
- FLEXIBLE TUBULAR MARKER AND BASE
- TEMPORARY DELINEATOR

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CONSTRUCTION STAGING - STAGE 1A	SHEET 187	E

2

CONSTRUCTION

CONSTRUCT MEDIAN CROSSOVERS AND TEMPORARY RAMP CONNECTIONS

TRAFFIC

IH 94 MAINLINE ON EXISTING PAVEMENT

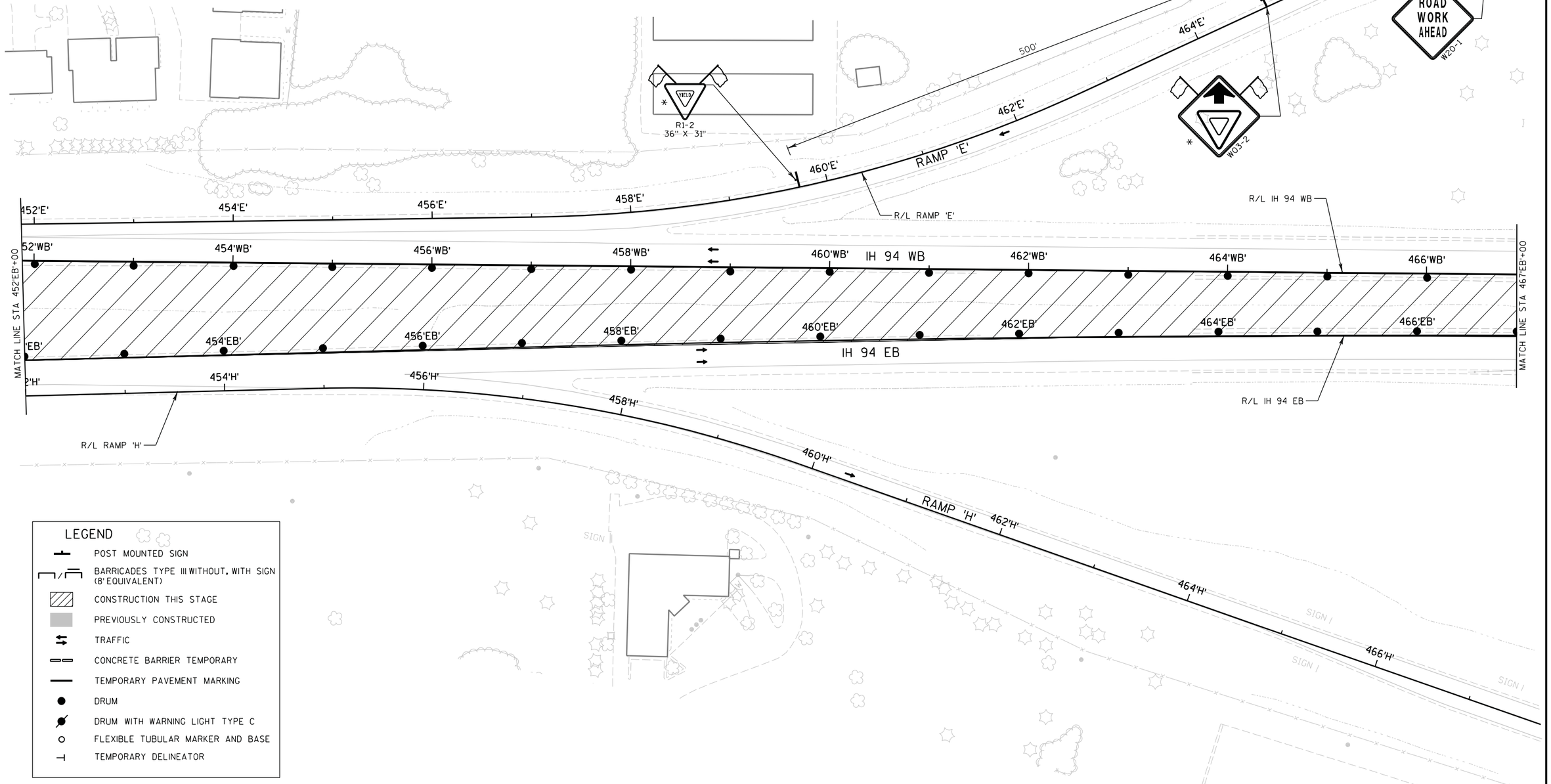
OFF PEAK SINGLE LANE CLOSURES

* USE YIELD SIGNS WHEN SINGLE LANE CLOSURES ARE USED ON I-94

N

0 50 100

SCALE IN FEET



LEGEND

- POST MOUNTED SIGN
- BARRICADES TYPE III WITHOUT, WITH SIGN (8' EQUIVALENT)
- CONSTRUCTION THIS STAGE
- PREVIOUSLY CONSTRUCTED
- TRAFFIC
- CONCRETE BARRIER TEMPORARY
- TEMPORARY PAVEMENT MARKING
- DRUM
- DRUM WITH WARNING LIGHT TYPE C
- FLEXIBLE TUBULAR MARKER AND BASE
- TEMPORARY DELINEATOR

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CONSTRUCTION STAGING - STAGE 1A	SHEET 188	E

FILE NAME : ...\CH_0803_026015_S1A.dgn PLOT DATE : 3/1/2013 PLOT BY : SEH PLOT NAME : PLOT SCALE : N/A

CONSTRUCTION

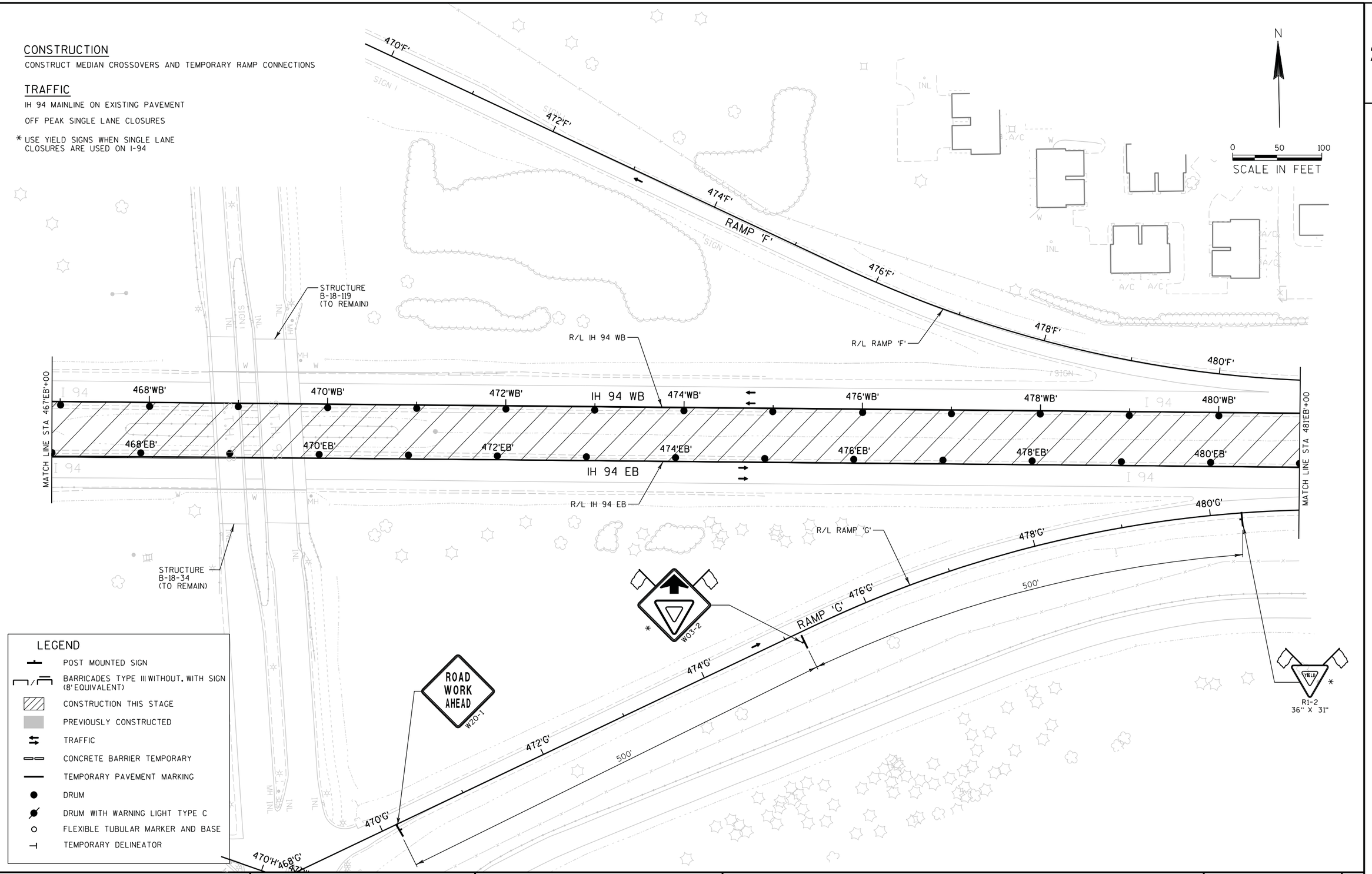
CONSTRUCT MEDIAN CROSSOVERS AND TEMPORARY RAMP CONNECTIONS

TRAFFIC

IH 94 MAINLINE ON EXISTING PAVEMENT

OFF PEAK SINGLE LANE CLOSURES

* USE YIELD SIGNS WHEN SINGLE LANE CLOSURES ARE USED ON I-94



PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CONSTRUCTION STAGING - STAGE 1A	SHEET 189	E

2

CONSTRUCTION

CONSTRUCT MEDIAN CROSSOVERS AND TEMPORARY RAMP CONNECTIONS

TRAFFIC

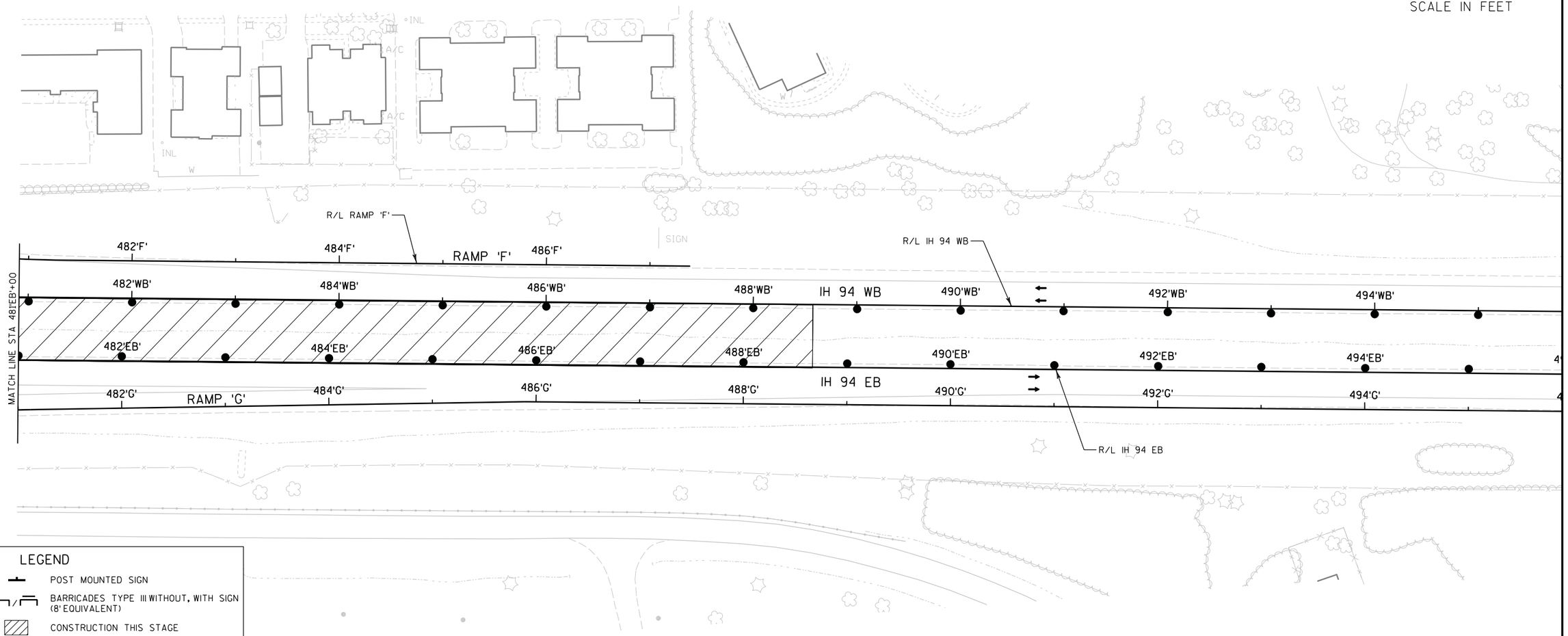
IH 94 MAINLINE ON EXISTING PAVEMENT

OFF PEAK SINGLE LANE CLOSURES

N

0 50 100

SCALE IN FEET



LEGEND

- POST MOUNTED SIGN
- BARRICADES TYPE III WITHOUT, WITH SIGN (8' EQUIVALENT)
- CONSTRUCTION THIS STAGE
- PREVIOUSLY CONSTRUCTED
- TRAFFIC
- CONCRETE BARRIER TEMPORARY
- TEMPORARY PAVEMENT MARKING
- DRUM
- DRUM WITH WARNING LIGHT TYPE C
- FLEXIBLE TUBULAR MARKER AND BASE
- TEMPORARY DELINEATOR

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CONSTRUCTION STAGING - STAGE 1A	SHEET 190	E

2

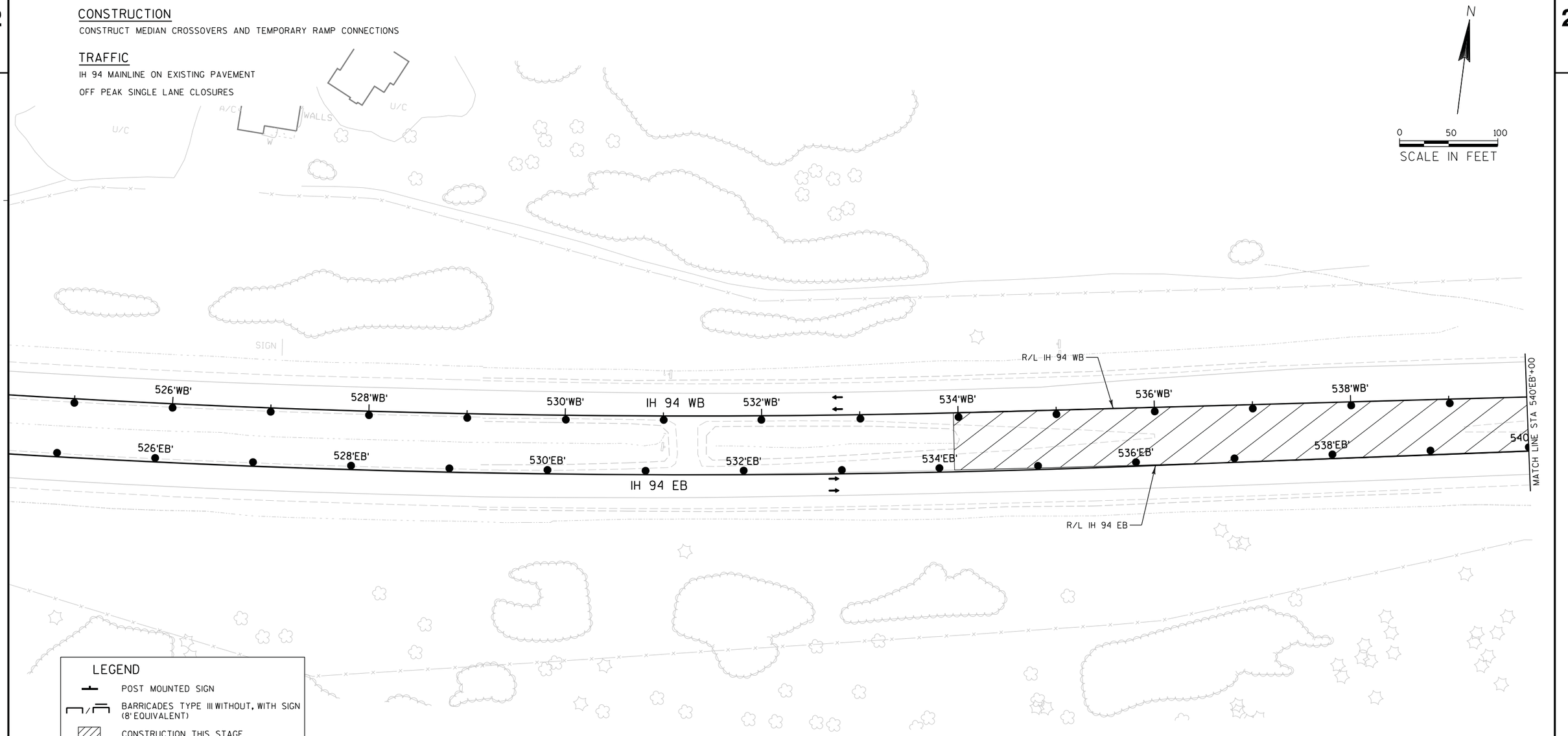
CONSTRUCTION

CONSTRUCT MEDIAN CROSSOVERS AND TEMPORARY RAMP CONNECTIONS

TRAFFIC

IH 94 MAINLINE ON EXISTING PAVEMENT

OFF PEAK SINGLE LANE CLOSURES



2

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CONSTRUCTION STAGING - STAGE 1A	SHEET	E

FILE NAME : ...\CH_0803_026020_S1A.dgn PLOT DATE : 3/1/2013 PLOT BY : SEH PLOT NAME : PLOT SCALE : N/A

2

CONSTRUCTION

CONSTRUCT MEDIAN CROSSOVERS AND TEMPORARY RAMP CONNECTIONS

TRAFFIC

IH 94 MAINLINE ON EXISTING PAVEMENT

OFF PEAK SINGLE LANE CLOSURES

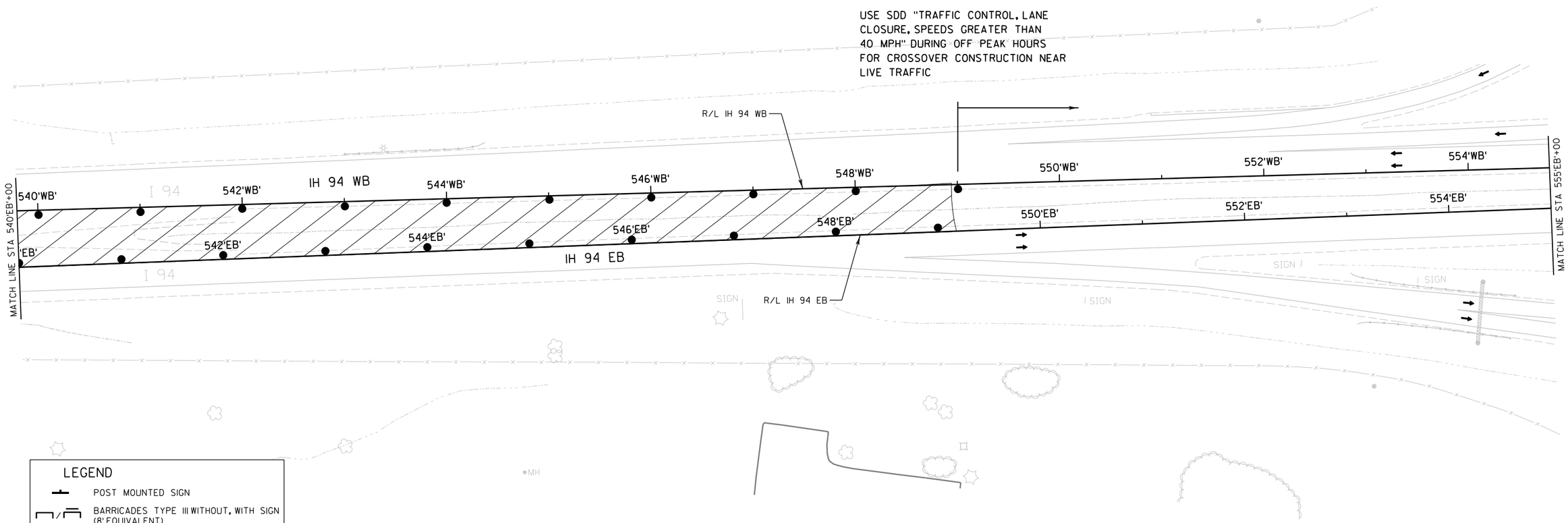
N

0 50 100

SCALE IN FEET

USE SDD "TRAFFIC CONTROL, SHOULDER CLOSURE ON DIVIDED ROADWAY, SPEEDS GREATER THAN 40 MPH" ON WB I-94 AND WB STH 53 ON RAMP

USE SDD "TRAFFIC CONTROL, LANE CLOSURE, SPEEDS GREATER THAN 40 MPH" DURING OFF PEAK HOURS FOR CROSSOVER CONSTRUCTION NEAR LIVE TRAFFIC



LEGEND

- POST MOUNTED SIGN
- BARRICADES TYPE III WITHOUT, WITH SIGN (8' EQUIVALENT)
- CONSTRUCTION THIS STAGE
- PREVIOUSLY CONSTRUCTED
- TRAFFIC
- CONCRETE BARRIER TEMPORARY
- TEMPORARY PAVEMENT MARKING
- DRUM
- DRUM WITH WARNING LIGHT TYPE C
- FLEXIBLE TUBULAR MARKER AND BASE
- TEMPORARY DELINEATOR

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CONSTRUCTION STAGING - STAGE 1A	SHEET 192	E

2

2

CONSTRUCTION

CONSTRUCT MEDIAN CROSSOVERS AND TEMPORARY RAMP CONNECTIONS

TRAFFIC

IH 94 MAINLINE ON EXISTING PAVEMENT

OFF PEAK SINGLE LANE CLOSURES

ROAD WORK AHEAD
W20-1

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

R/L IH 94 WB

R/L IH 94 EB

MATCH LINE STA 555'EB'+00

556'WB' 558'WB' 560'WB' 562'WB' 564'WB'

IH 94 WB

556'EB' 558'EB' 560'EB' 562'EB' 564'EB'

IH 94 EB

N

0 50 100

SCALE IN FEET

U.S.H. 53

I 94

LEGEND

- POST MOUNTED SIGN
- BARRICADES TYPE III WITHOUT, WITH SIGN (8' EQUIVALENT)
- CONSTRUCTION THIS STAGE
- PREVIOUSLY CONSTRUCTED
- TRAFFIC
- CONCRETE BARRIER TEMPORARY
- TEMPORARY PAVEMENT MARKING
- DRUM
- DRUM WITH WARNING LIGHT TYPE C
- FLEXIBLE TUBULAR MARKER AND BASE
- TEMPORARY DELINEATOR

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CONSTRUCTION STAGING - STAGE 1A	SHEET 193	E

FILE NAME : ...\CH_0803_026022_S1A.dgn PLOT DATE : 3/1/2013 PLOT BY : SEH PLOT NAME : PLOT SCALE : N/A

2

CONSTRUCTION

CONSTRUCT IH 94 WB FROM STH 93 TO EAST PROJECT LIMITS

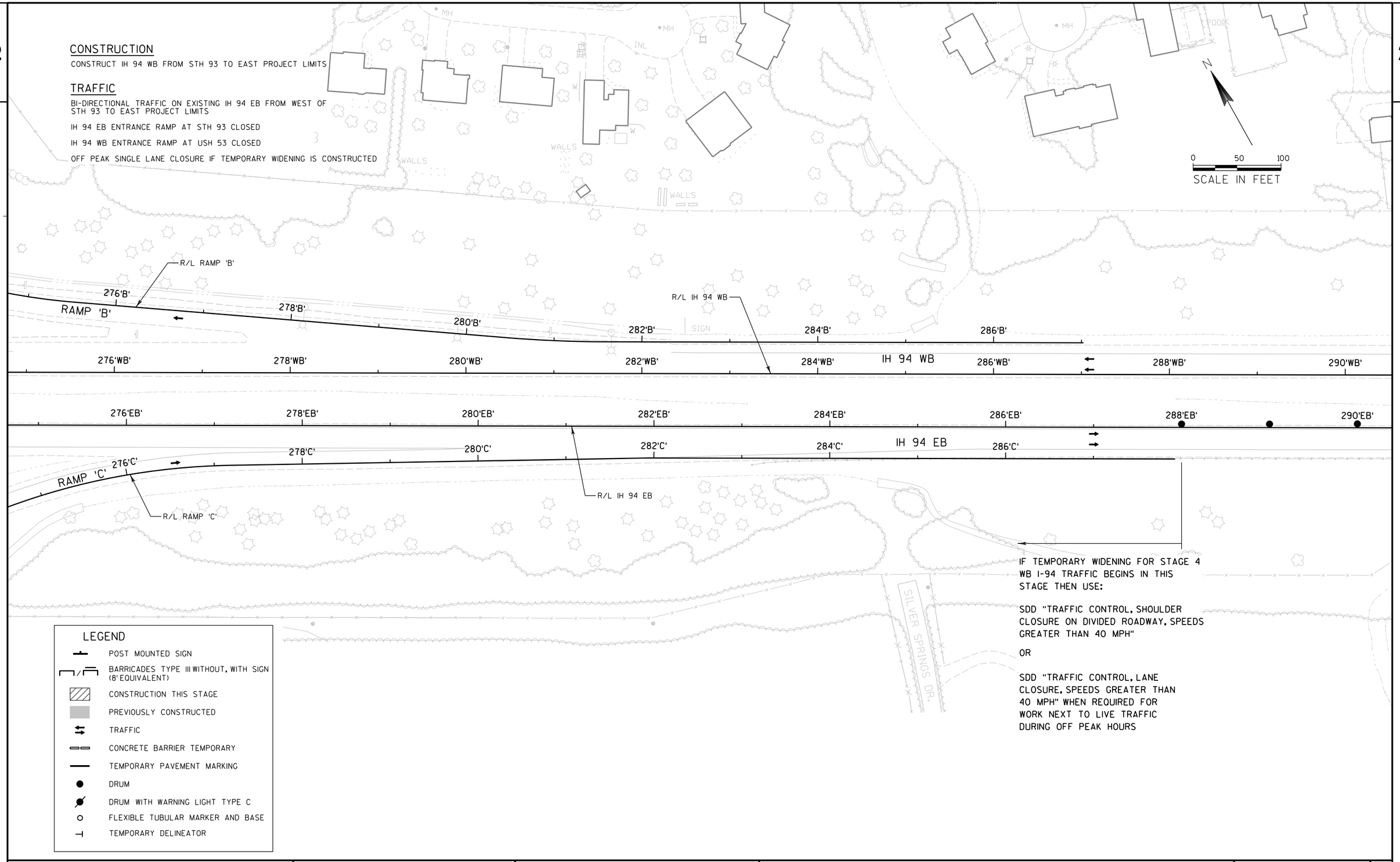
TRAFFIC

BI-DIRECTIONAL TRAFFIC ON EXISTING IH 94 EB FROM WEST OF STH 93 TO EAST PROJECT LIMITS

IH 94 EB ENTRANCE RAMP AT STH 93 CLOSED

IH 94 WB ENTRANCE RAMP AT USH 53 CLOSED

OFF PEAK SINGLE LANE CLOSURE IF TEMPORARY WIDENING IS CONSTRUCTED



IF TEMPORARY WIDENING FOR STAGE 4 WB I-94 TRAFFIC BEGINS IN THIS STAGE THEN USE:

SDD "TRAFFIC CONTROL, SHOULDER CLOSURE ON DIVIDED ROADWAY, SPEEDS GREATER THAN 40 MPH"

OR

SDD "TRAFFIC CONTROL, LANE CLOSURE, SPEEDS GREATER THAN 40 MPH" WHEN REQUIRED FOR WORK NEXT TO LIVE TRAFFIC DURING OFF PEAK HOURS

LEGEND

- POST MOUNTED SIGN
- BARRICADES TYPE III WITHOUT, WITH SIGN (8' EQUIVALENT)
- CONSTRUCTION THIS STAGE
- PREVIOUSLY CONSTRUCTED
- TRAFFIC
- CONCRETE BARRIER TEMPORARY
- TEMPORARY PAVEMENT MARKING
- DRUM
- DRUM WITH WARNING LIGHT TYPE C
- FLEXIBLE TUBULAR MARKER AND BASE
- TEMPORARY DELINEATOR

2

CONSTRUCTION

CONSTRUCT IH 94 WB FROM STH 93 TO EAST PROJECT LIMITS

TRAFFIC

BI-DIRECTIONAL TRAFFIC ON EXISTING IH 94 EB FROM WEST OF STH 93 TO EAST PROJECT LIMITS

IH 94 EB ENTRANCE RAMP AT STH 93 CLOSED

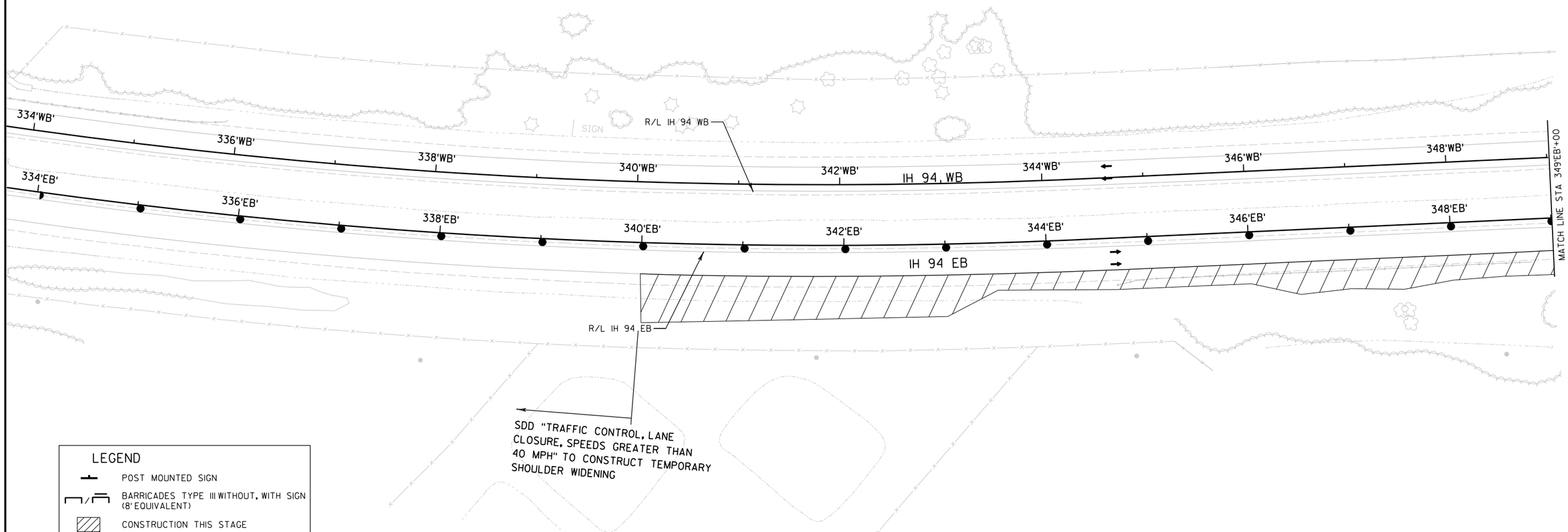
IH 94 WB ENTRANCE RAMP AT USH 53 CLOSED

OFF PEAK SINGLE LANE CLOSURE IF TEMPORARY WIDENING IS CONSTRUCTED

N

0 50 100

SCALE IN FEET



LEGEND

- POST MOUNTED SIGN
- BARRICADES TYPE III WITHOUT, WITH SIGN (8' EQUIVALENT)
- CONSTRUCTION THIS STAGE
- PREVIOUSLY CONSTRUCTED
- TRAFFIC
- CONCRETE BARRIER TEMPORARY
- TEMPORARY PAVEMENT MARKING
- DRUM
- DRUM WITH WARNING LIGHT TYPE C
- FLEXIBLE TUBULAR MARKER AND BASE
- TEMPORARY DELINEATOR

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CONSTRUCTION STAGING - STAGE 1B	SHEET 195	E

2

CONSTRUCTION

CONSTRUCT IH 94 WB FROM STH 93 TO EAST PROJECT LIMITS

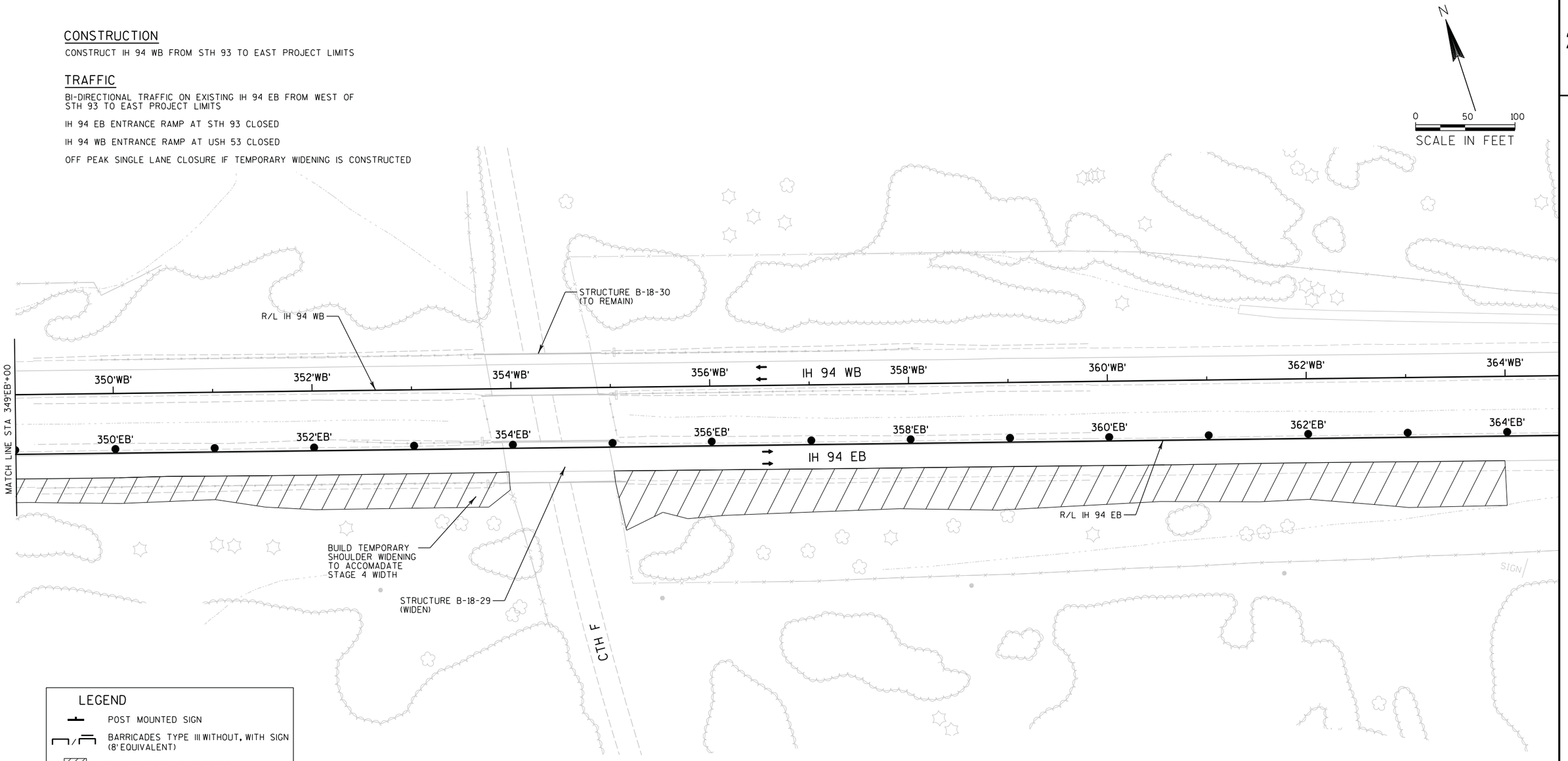
TRAFFIC

BI-DIRECTIONAL TRAFFIC ON EXISTING IH 94 EB FROM WEST OF STH 93 TO EAST PROJECT LIMITS

IH 94 EB ENTRANCE RAMP AT STH 93 CLOSED

IH 94 WB ENTRANCE RAMP AT USH 53 CLOSED

OFF PEAK SINGLE LANE CLOSURE IF TEMPORARY WIDENING IS CONSTRUCTED



LEGEND

- POST MOUNTED SIGN
- BARRICADES TYPE III WITHOUT, WITH SIGN (8' EQUIVALENT)
- CONSTRUCTION THIS STAGE
- PREVIOUSLY CONSTRUCTED
- TRAFFIC
- CONCRETE BARRIER TEMPORARY
- TEMPORARY PAVEMENT MARKING
- DRUM
- DRUM WITH WARNING LIGHT TYPE C
- FLEXIBLE TUBULAR MARKER AND BASE
- TEMPORARY DELINEATOR

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CONSTRUCTION STAGING - STAGE 1B	SHEET 196	E

FILE NAME : ...\CH_0803_026038_S1B.dgn PLOT DATE : 3/1/2013 PLOT BY : SEH PLOT NAME : PLOT SCALE : N/A

2

CONSTRUCTION

CONSTRUCT IH 94 WB FROM STH 93 TO EAST PROJECT LIMITS

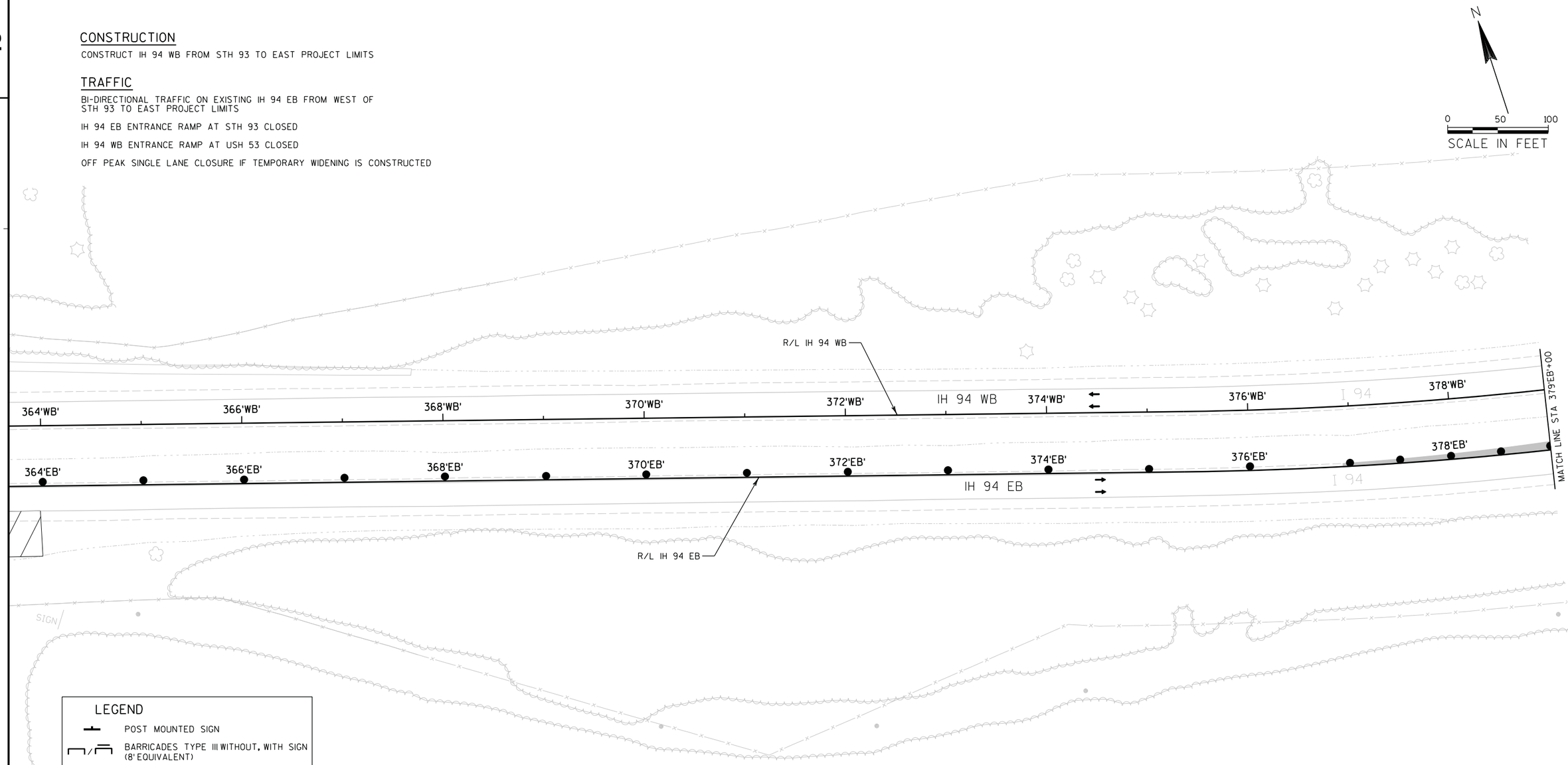
TRAFFIC

BI-DIRECTIONAL TRAFFIC ON EXISTING IH 94 EB FROM WEST OF STH 93 TO EAST PROJECT LIMITS

IH 94 EB ENTRANCE RAMP AT STH 93 CLOSED

IH 94 WB ENTRANCE RAMP AT USH 53 CLOSED

OFF PEAK SINGLE LANE CLOSURE IF TEMPORARY WIDENING IS CONSTRUCTED



PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CONSTRUCTION STAGING - STAGE 1B	SHEET 197	E

FILE NAME : ...\CH_0803_026039_S1B.dgn PLOT DATE : 3/1/2013 PLOT BY : SEH PLOT NAME : PLOT SCALE : N/A

2

CONSTRUCTION

CONSTRUCT IH 94 WB FROM STH 93 TO EAST PROJECT LIMITS

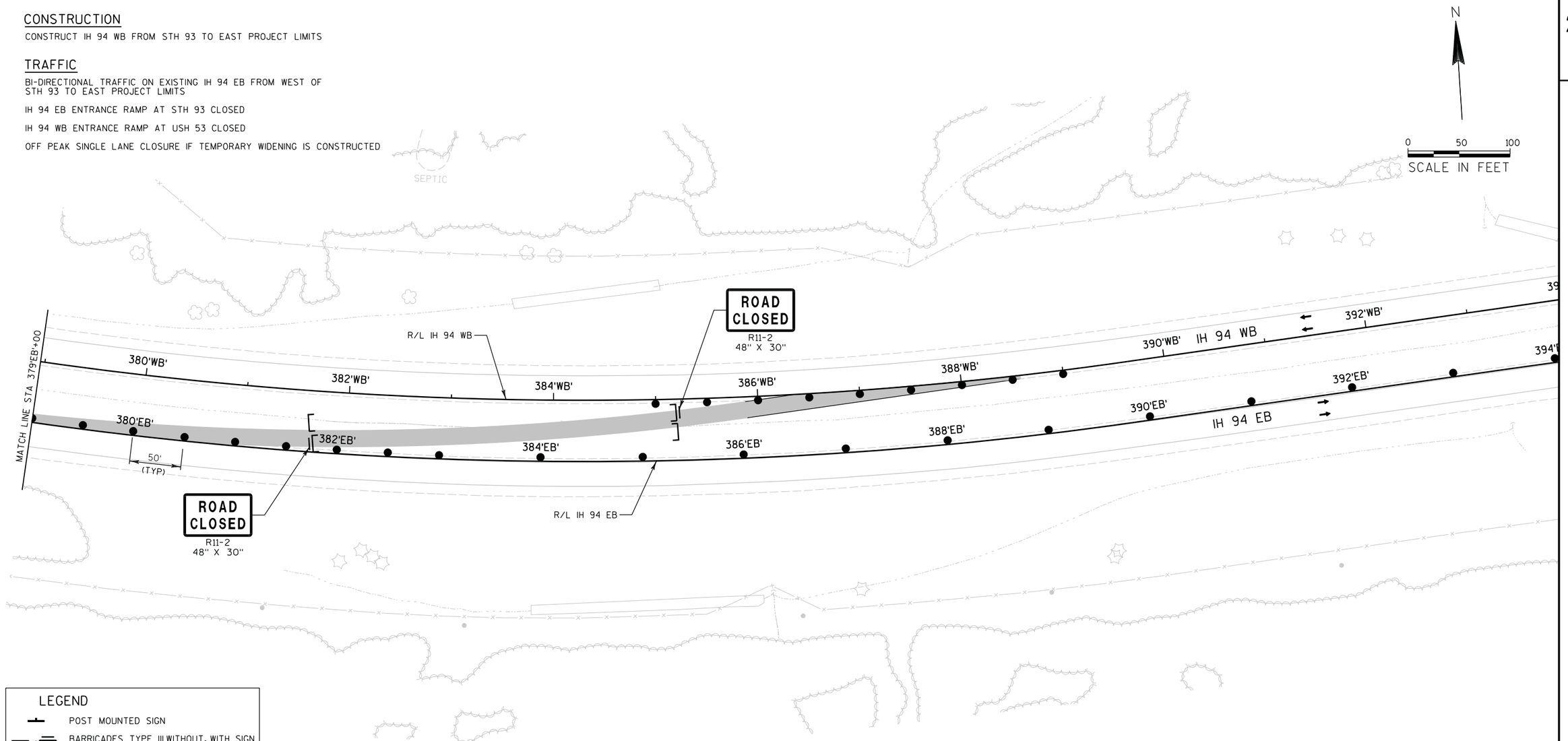
TRAFFIC

BI-DIRECTIONAL TRAFFIC ON EXISTING IH 94 EB FROM WEST OF STH 93 TO EAST PROJECT LIMITS

IH 94 EB ENTRANCE RAMP AT STH 93 CLOSED

IH 94 WB ENTRANCE RAMP AT USH 53 CLOSED

OFF PEAK SINGLE LANE CLOSURE IF TEMPORARY WIDENING IS CONSTRUCTED



LEGEND

- POST MOUNTED SIGN
- BARRICADES TYPE III WITHOUT, WITH SIGN (8' EQUIVALENT)
- CONSTRUCTION THIS STAGE
- PREVIOUSLY CONSTRUCTED
- TRAFFIC
- CONCRETE BARRIER TEMPORARY
- TEMPORARY PAVEMENT MARKING
- DRUM
- DRUM WITH WARNING LIGHT TYPE C
- FLEXIBLE TUBULAR MARKER AND BASE
- TEMPORARY DELINEATOR

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CONSTRUCTION STAGING - STAGE 1B	SHEET 198	E

FILE NAME : ...\CH_0803_026040_S1B.dgn PLOT DATE : 3/1/2013 PLOT BY : SEH PLOT NAME : PLOT SCALE : N/A

2

CONSTRUCTION

CONSTRUCT IH 94 WB FROM STH 93 TO EAST PROJECT LIMITS

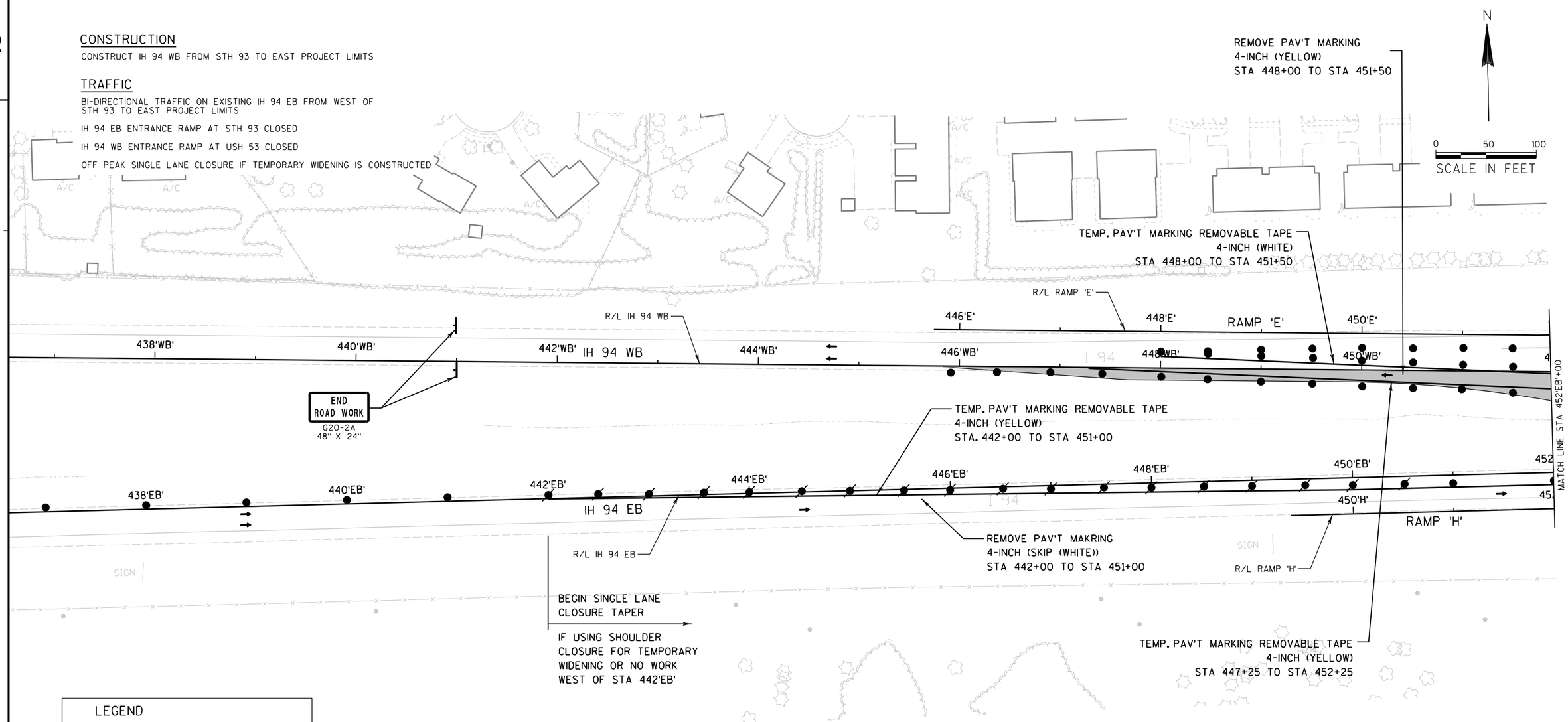
TRAFFIC

BI-DIRECTIONAL TRAFFIC ON EXISTING IH 94 EB FROM WEST OF STH 93 TO EAST PROJECT LIMITS

IH 94 EB ENTRANCE RAMP AT STH 93 CLOSED

IH 94 WB ENTRANCE RAMP AT USH 53 CLOSED

OFF PEAK SINGLE LANE CLOSURE IF TEMPORARY WIDENING IS CONSTRUCTED



LEGEND

- POST MOUNTED SIGN
- BARRICADES TYPE III WITHOUT, WITH SIGN (8' EQUIVALENT)
- CONSTRUCTION THIS STAGE
- PREVIOUSLY CONSTRUCTED
- TRAFFIC
- CONCRETE BARRIER TEMPORARY
- TEMPORARY PAVEMENT MARKING
- DRUM
- DRUM WITH WARNING LIGHT TYPE C
- FLEXIBLE TUBULAR MARKER AND BASE
- TEMPORARY DELINEATOR

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CONSTRUCTION STAGING - STAGE 1B	SHEET 199	E

FILE NAME : ...\CH_0803_026044_S1B.dgn PLOT DATE : 3/1/2013 PLOT BY : SEH PLOT NAME : PLOT SCALE : N/A

2

CONSTRUCTION

CONSTRUCT IH 94 WB FROM STH 93 TO EAST PROJECT LIMITS

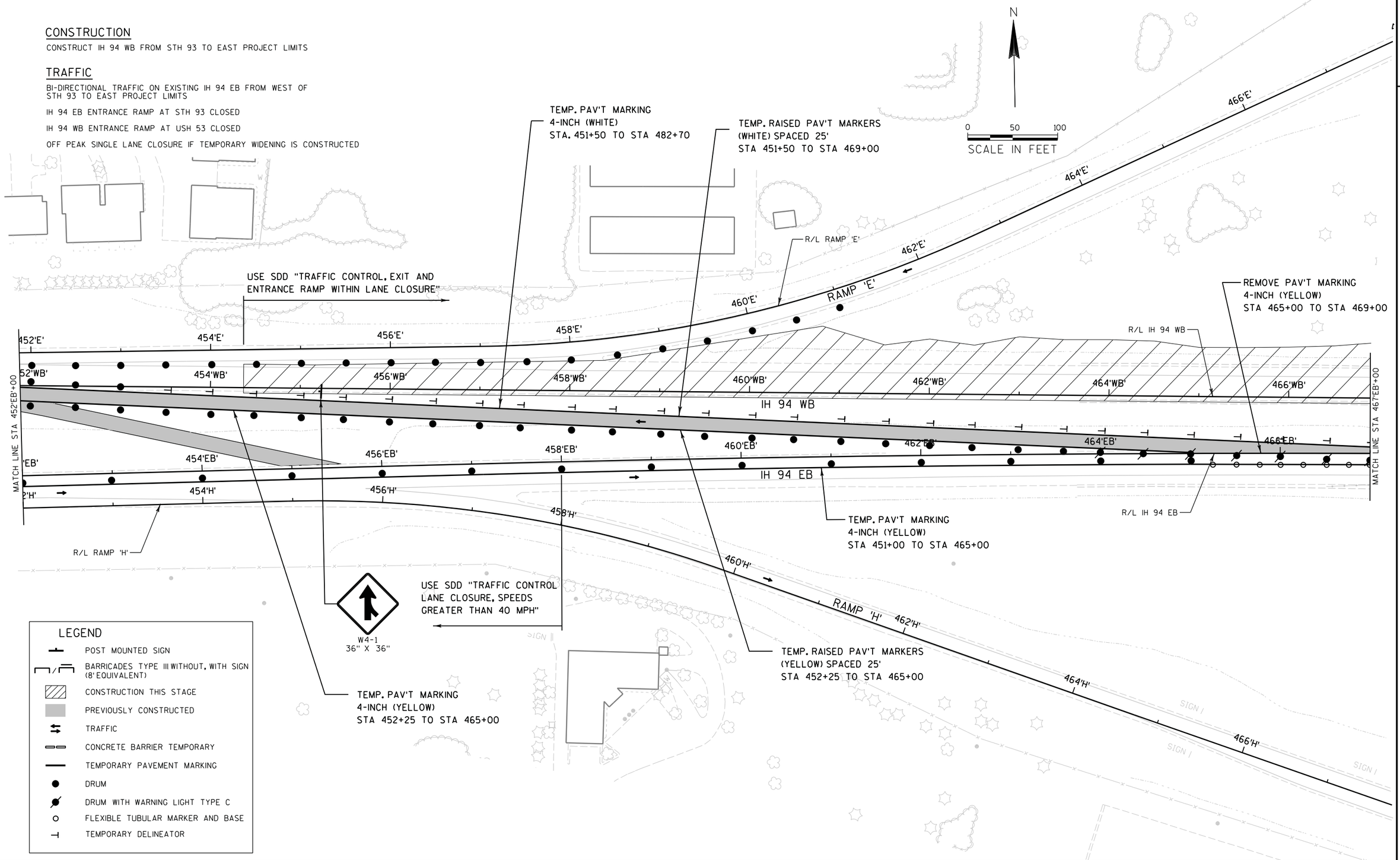
TRAFFIC

BI-DIRECTIONAL TRAFFIC ON EXISTING IH 94 EB FROM WEST OF STH 93 TO EAST PROJECT LIMITS

IH 94 EB ENTRANCE RAMP AT STH 93 CLOSED

IH 94 WB ENTRANCE RAMP AT USH 53 CLOSED

OFF PEAK SINGLE LANE CLOSURE IF TEMPORARY WIDENING IS CONSTRUCTED



LEGEND

- POST MOUNTED SIGN
- BARRICADES TYPE III WITHOUT, WITH SIGN (8' EQUIVALENT)
- CONSTRUCTION THIS STAGE
- PREVIOUSLY CONSTRUCTED
- TRAFFIC
- CONCRETE BARRIER TEMPORARY
- TEMPORARY PAVEMENT MARKING
- DRUM
- DRUM WITH WARNING LIGHT TYPE C
- FLEXIBLE TUBULAR MARKER AND BASE
- TEMPORARY DELINEATOR

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CONSTRUCTION STAGING - STAGE 1B	SHEET 200	E

2

CONSTRUCTION

CONSTRUCT IH 94 WB FROM STH 93 TO EAST PROJECT LIMITS

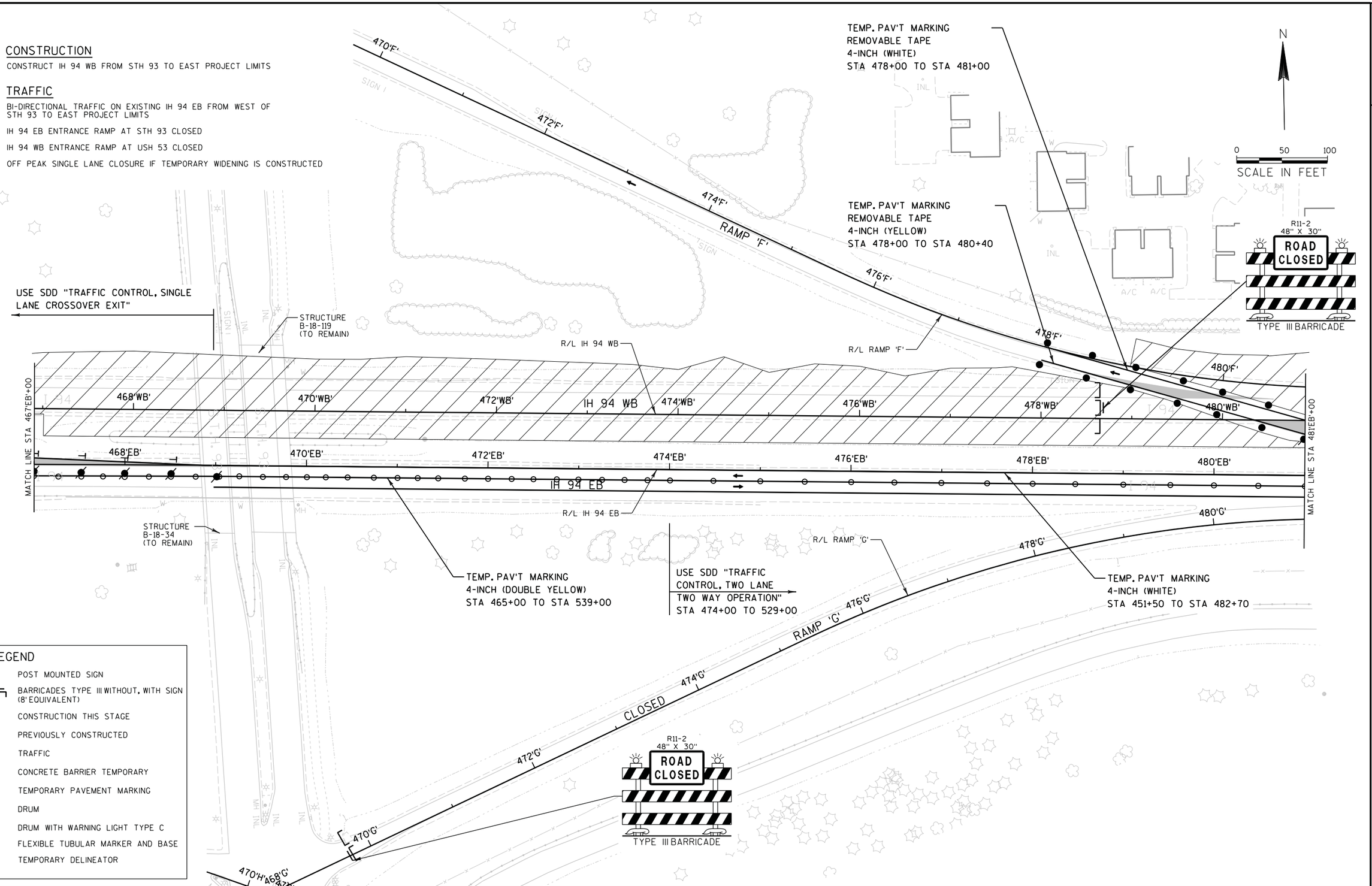
TRAFFIC

BI-DIRECTIONAL TRAFFIC ON EXISTING IH 94 EB FROM WEST OF STH 93 TO EAST PROJECT LIMITS

IH 94 EB ENTRANCE RAMP AT STH 93 CLOSED

IH 94 WB ENTRANCE RAMP AT USH 53 CLOSED

OFF PEAK SINGLE LANE CLOSURE IF TEMPORARY WIDENING IS CONSTRUCTED



PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CONSTRUCTION STAGING - STAGE 1B	SHEET 201 E

FILE NAME : ...\CH_0803_026046_S1B.dgn PLOT DATE : 3/1/2013 PLOT BY : SEH PLOT NAME : PLOT SCALE : N/A

WISDOT/CADDS SHEET 42

2

CONSTRUCTION

CONSTRUCT IH 94 WB FROM STH 93 TO EAST PROJECT LIMITS

TRAFFIC

BI-DIRECTIONAL TRAFFIC ON EXISTING IH 94 EB FROM WEST OF STH 93 TO EAST PROJECT LIMITS

IH 94 EB ENTRANCE RAMP AT STH 93 CLOSED

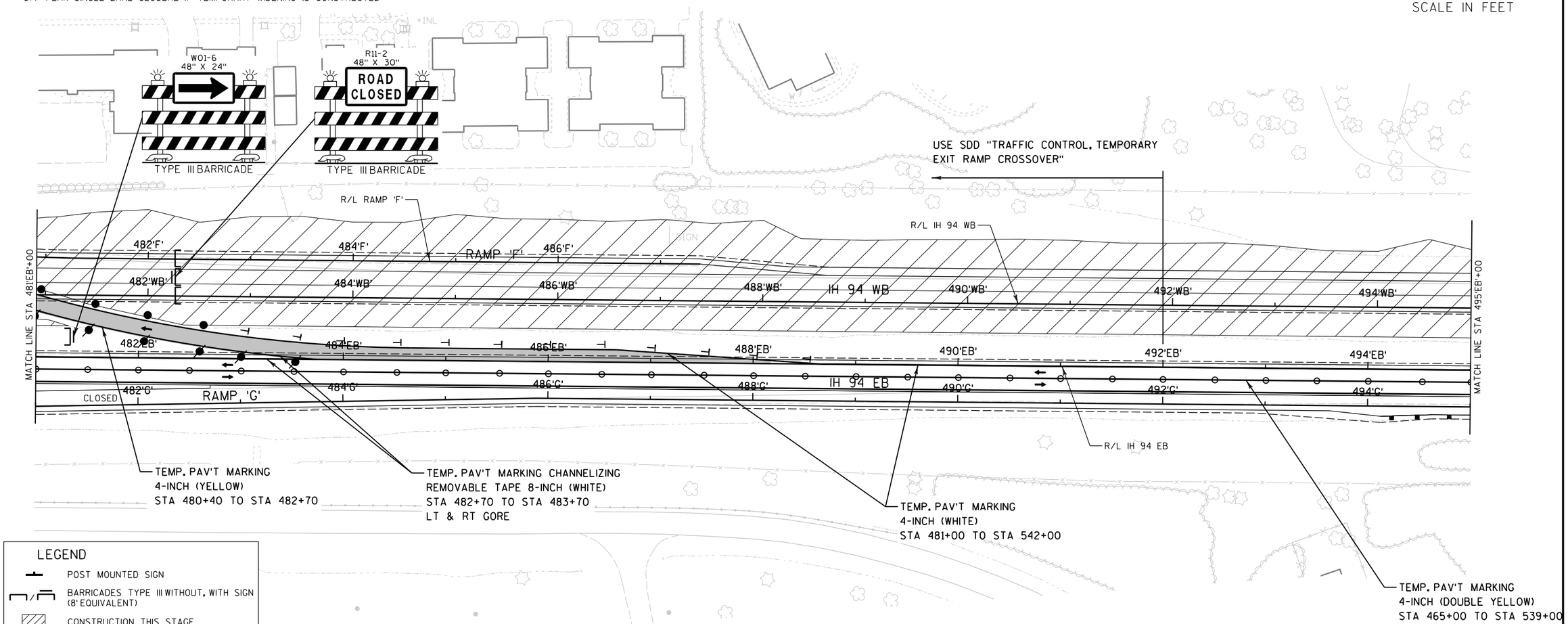
IH 94 WB ENTRANCE RAMP AT USH 53 CLOSED

OFF PEAK SINGLE LANE CLOSURE IF TEMPORARY WIDENING IS CONSTRUCTED

N

0 50 100

SCALE IN FEET



LEGEND

- POST MOUNTED SIGN
- BARRICADES TYPE III WITHOUT, WITH SIGN (8' EQUIVALENT)
- CONSTRUCTION THIS STAGE
- PREVIOUSLY CONSTRUCTED
- TRAFFIC
- CONCRETE BARRIER TEMPORARY
- TEMPORARY PAVEMENT MARKING
- DRUM
- DRUM WITH WARNING LIGHT TYPE C
- FLEXIBLE TUBULAR MARKER AND BASE
- TEMPORARY DELINEATOR

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CONSTRUCTION STAGING - STAGE 1B	SHEET 202	E

2

CONSTRUCTION

CONSTRUCT IH 94 WB FROM STH 93 TO EAST PROJECT LIMITS

TRAFFIC

BI-DIRECTIONAL TRAFFIC ON EXISTING IH 94 EB FROM WEST OF STH 93 TO EAST PROJECT LIMITS

IH 94 EB ENTRANCE RAMP AT STH 93 CLOSED

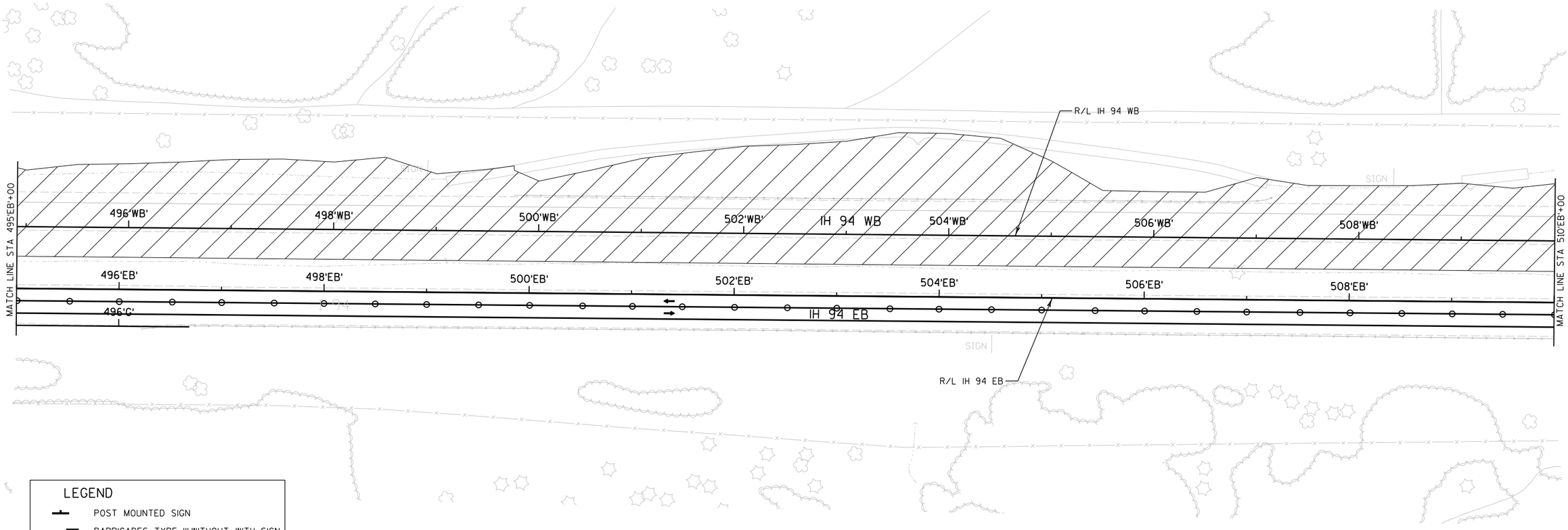
IH 94 WB ENTRANCE RAMP AT USH 53 CLOSED

OFF PEAK SINGLE LANE CLOSURE IF TEMPORARY WIDENING IS CONSTRUCTED

N

0 50 100

SCALE IN FEET



LEGEND

- POST MOUNTED SIGN
- BARRICADES TYPE III WITHOUT, WITH SIGN (8' EQUIVALENT)
- CONSTRUCTION THIS STAGE
- PREVIOUSLY CONSTRUCTED
- TRAFFIC
- CONCRETE BARRIER TEMPORARY
- TEMPORARY PAVEMENT MARKING
- DRUM
- DRUM WITH WARNING LIGHT TYPE C
- FLEXIBLE TUBULAR MARKER AND BASE
- TEMPORARY DELINEATOR

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CONSTRUCTION STAGING - STAGE 1B	SHEET 203	E

2

CONSTRUCTION

CONSTRUCT IH 94 WB FROM STH 93 TO EAST PROJECT LIMITS

TRAFFIC

BI-DIRECTIONAL TRAFFIC ON EXISTING IH 94 EB FROM WEST OF STH 93 TO EAST PROJECT LIMITS

IH 94 EB ENTRANCE RAMP AT STH 93 CLOSED

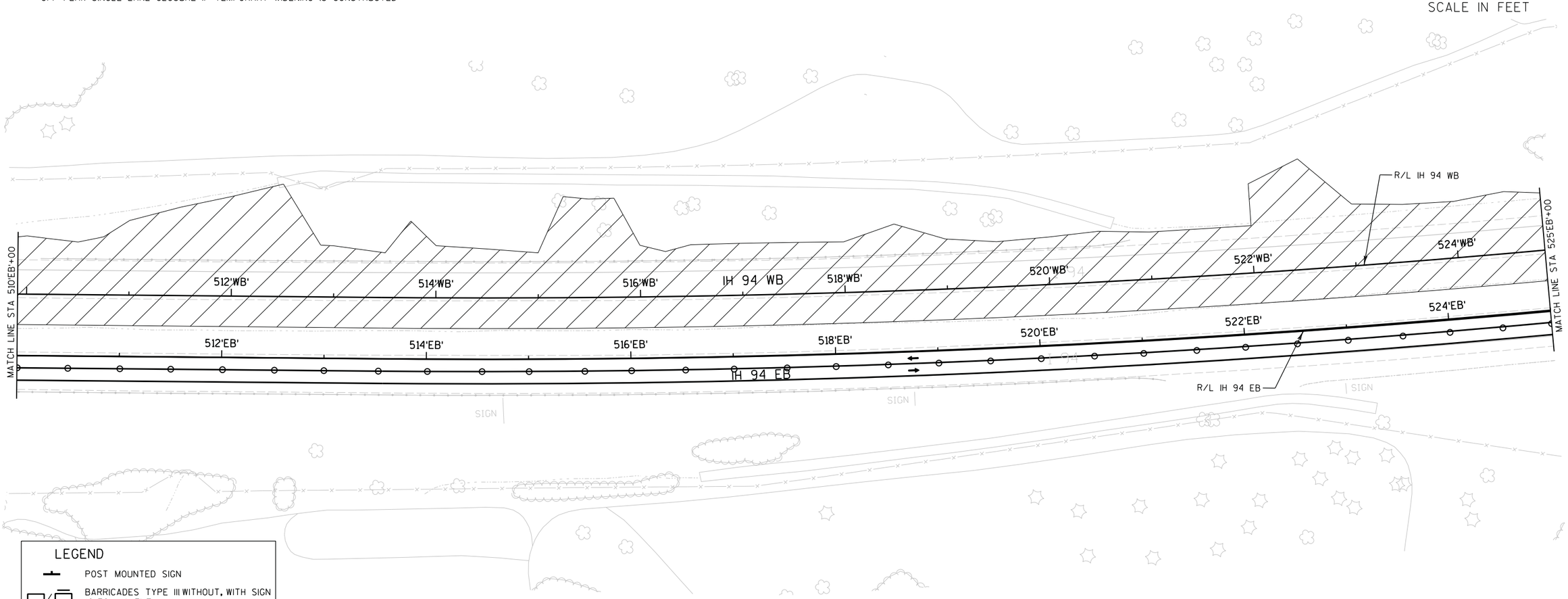
IH 94 WB ENTRANCE RAMP AT USH 53 CLOSED

OFF PEAK SINGLE LANE CLOSURE IF TEMPORARY WIDENING IS CONSTRUCTED

N

0 50 100

SCALE IN FEET



LEGEND

- POST MOUNTED SIGN
- BARRICADES TYPE III WITHOUT, WITH SIGN (8' EQUIVALENT)
- CONSTRUCTION THIS STAGE
- PREVIOUSLY CONSTRUCTED
- TRAFFIC
- CONCRETE BARRIER TEMPORARY
- TEMPORARY PAVEMENT MARKING
- DRUM
- DRUM WITH WARNING LIGHT TYPE C
- FLEXIBLE TUBULAR MARKER AND BASE
- TEMPORARY DELINEATOR

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CONSTRUCTION STAGING - STAGE 1B	SHEET 204	E

2

CONSTRUCTION

CONSTRUCT IH 94 WB FROM STH 93 TO EAST PROJECT LIMITS

TRAFFIC

BI-DIRECTIONAL TRAFFIC ON EXISTING IH 94 EB FROM WEST OF STH 93 TO EAST PROJECT LIMITS

IH 94 EB ENTRANCE RAMP AT STH 93 CLOSED

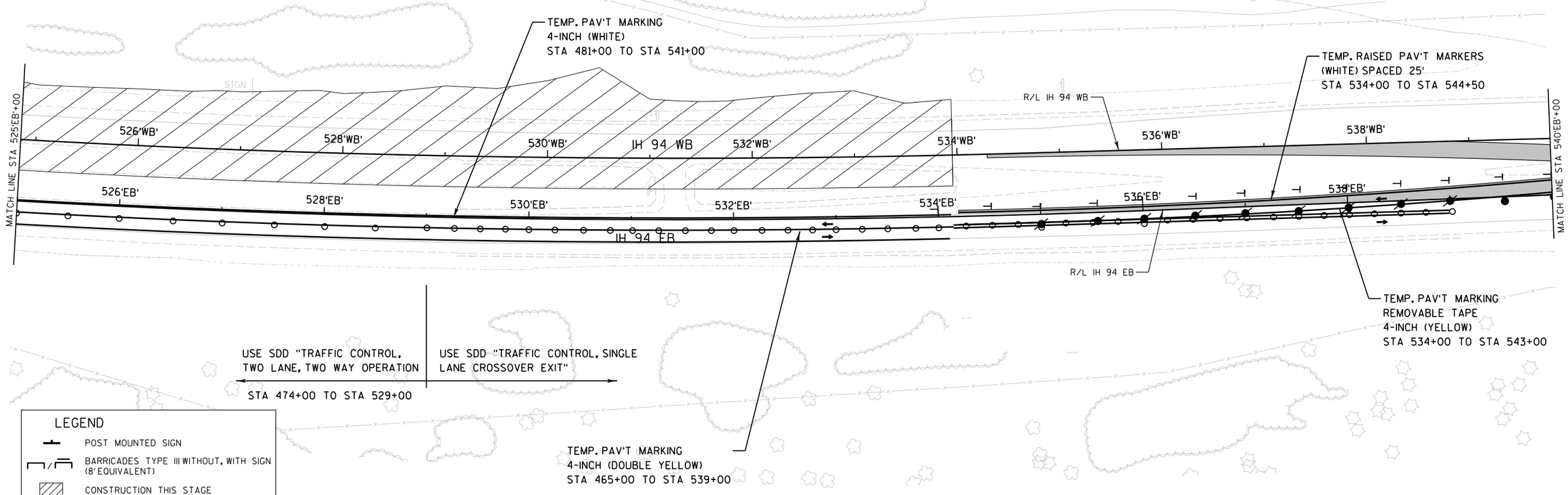
IH 94 WB ENTRANCE RAMP AT USH 53 CLOSED

OFF PEAK SINGLE LANE CLOSURE IF TEMPORARY WIDENING IS CONSTRUCTED

N

0 50 100

SCALE IN FEET



LEGEND

- POST MOUNTED SIGN
- BARRICADES TYPE III WITHOUT, WITH SIGN (8' EQUIVALENT)
- CONSTRUCTION THIS STAGE
- PREVIOUSLY CONSTRUCTED
- TRAFFIC
- CONCRETE BARRIER TEMPORARY
- TEMPORARY PAVEMENT MARKING
- DRUM
- DRUM WITH WARNING LIGHT TYPE C
- FLEXIBLE TUBULAR MARKER AND BASE
- TEMPORARY DELINEATOR

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CONSTRUCTION STAGING - STAGE 1B	SHEET 205	E

FILE NAME : ...\CH_0803_026050_S1B.dgn PLOT DATE : 3/1/2013 PLOT BY : SEH PLOT NAME : PLOT SCALE : N/A

WISDOT/CADDS SHEET 42

CONSTRUCTION

CONSTRUCT IH 94 WB FROM STH 93 TO EAST PROJECT LIMITS

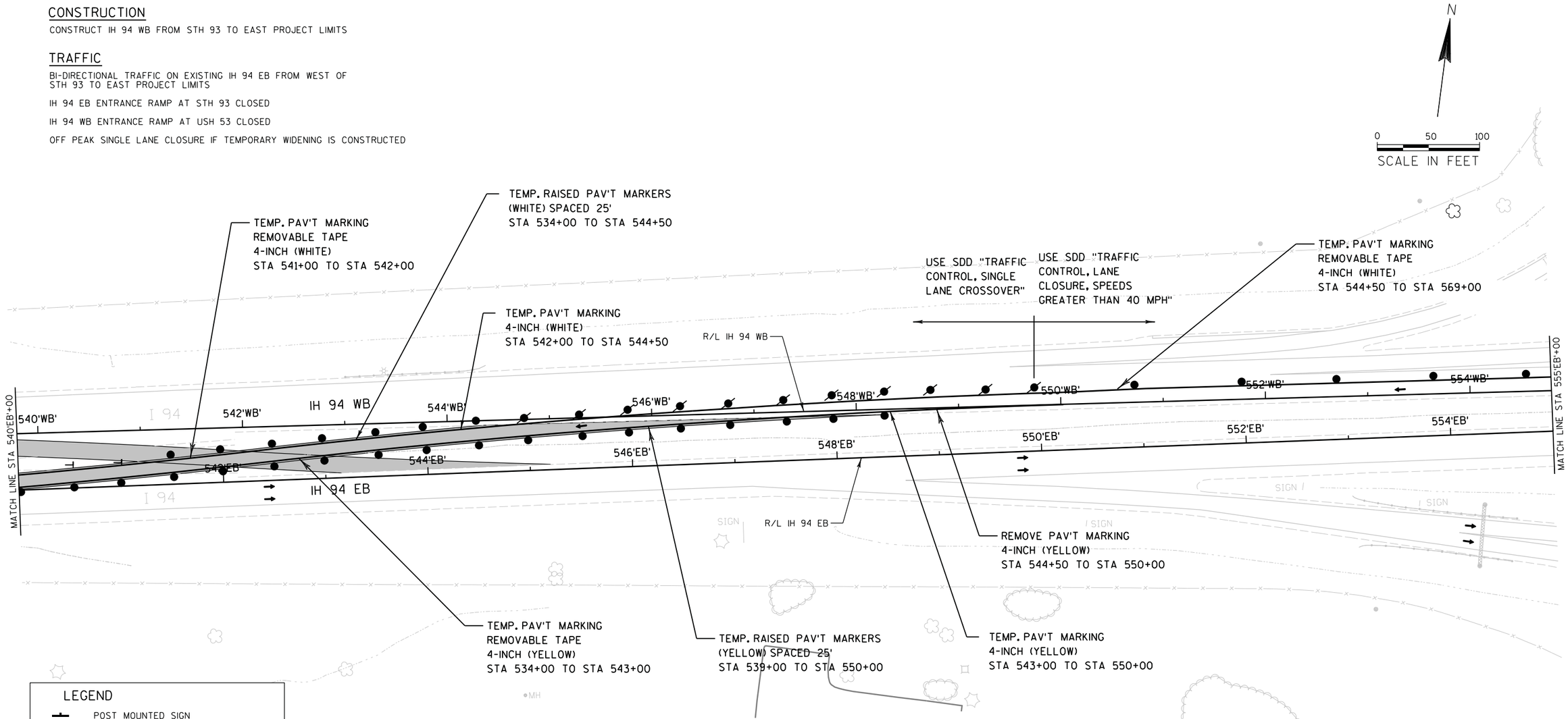
TRAFFIC

BI-DIRECTIONAL TRAFFIC ON EXISTING IH 94 EB FROM WEST OF STH 93 TO EAST PROJECT LIMITS

IH 94 EB ENTRANCE RAMP AT STH 93 CLOSED

IH 94 WB ENTRANCE RAMP AT USH 53 CLOSED

OFF PEAK SINGLE LANE CLOSURE IF TEMPORARY WIDENING IS CONSTRUCTED



LEGEND

- POST MOUNTED SIGN
- BARRICADES TYPE III WITHOUT, WITH SIGN (8' EQUIVALENT)
- CONSTRUCTION THIS STAGE
- PREVIOUSLY CONSTRUCTED
- TRAFFIC
- CONCRETE BARRIER TEMPORARY
- TEMPORARY PAVEMENT MARKING
- DRUM
- DRUM WITH WARNING LIGHT TYPE C
- FLEXIBLE TUBULAR MARKER AND BASE
- TEMPORARY DELINEATOR

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CONSTRUCTION STAGING - STAGE 1B	SHEET 206	E

2

CONSTRUCTION

CONSTRUCT IH 94 WB FROM STH 93 TO EAST PROJECT LIMITS

TRAFFIC

BI-DIRECTIONAL TRAFFIC ON EXISTING IH 94 EB FROM WEST OF STH 93 TO EAST PROJECT LIMITS

IH 94 EB ENTRANCE RAMP AT STH 93 CLOSED

IH 94 WB ENTRANCE RAMP AT USH 53 CLOSED

OFF PEAK SINGLE LANE CLOSURE IF TEMPORARY WIDENING IS CONSTRUCTED

USE SDD "TRAFFIC CONTROL, EXIT RAMP CLOSURE"

CLOSED

RAMP OPEN

TEMP. PAV'T MARKING
REMOVABLE TAPE
4-INCH (WHITE)
STA 544+50 TO STA 569+00

ROAD CLOSED
R11-2
48" X 30"

25' (TYP)

6"

R/L IH 94 WB

CLOSED

556'WB' 558'WB' 560'WB' 562'WB' 564'WB'

IH 94 WB

IH 94 EB

556'EB' 558'EB' 560'EB' 562'EB' 564'EB'

MATCH LINE STA 555'EB'+00

R/L IH 94 EB

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

ROAD CLOSED
R11-2
48" X 30"

REMOVE PAV'T MARKING
4-INCH (SKIP WHITE)
STA 560+50 TO STA 569+00

CLOSED

USE SDD "TRAFFIC CONTROL, EXIT RAMP CLOSURE"

ROAD WORK AHEAD
W20-1

N

0 50 100
SCALE IN FEET

500'

I 94

STH 53

LEGEND

- POST MOUNTED SIGN
- BARRICADES TYPE III WITHOUT, WITH SIGN (8' EQUIVALENT)
- CONSTRUCTION THIS STAGE
- PREVIOUSLY CONSTRUCTED
- TRAFFIC
- CONCRETE BARRIER TEMPORARY
- TEMPORARY PAVEMENT MARKING
- DRUM
- DRUM WITH WARNING LIGHT TYPE C
- FLEXIBLE TUBULAR MARKER AND BASE
- TEMPORARY DELINEATOR

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CONSTRUCTION STAGING - STAGE 1B	SHEET 207	E

2

CONSTRUCTION

CONSTRUCT IH 94 EB FROM STA 400+00 TO STA 415+75
WITH A TEMPORARY PAVEMENT TRANSITION TO EXISTING IH 94

CONSTRUCT IH 94 EB FROM STA 448+00 TO EAST
PROJECT LIMITS

CONSTRUCT PROPOSED STRUCTURE B-18-228

CONSTRUCT STH 93 RAMPS

TRAFFIC

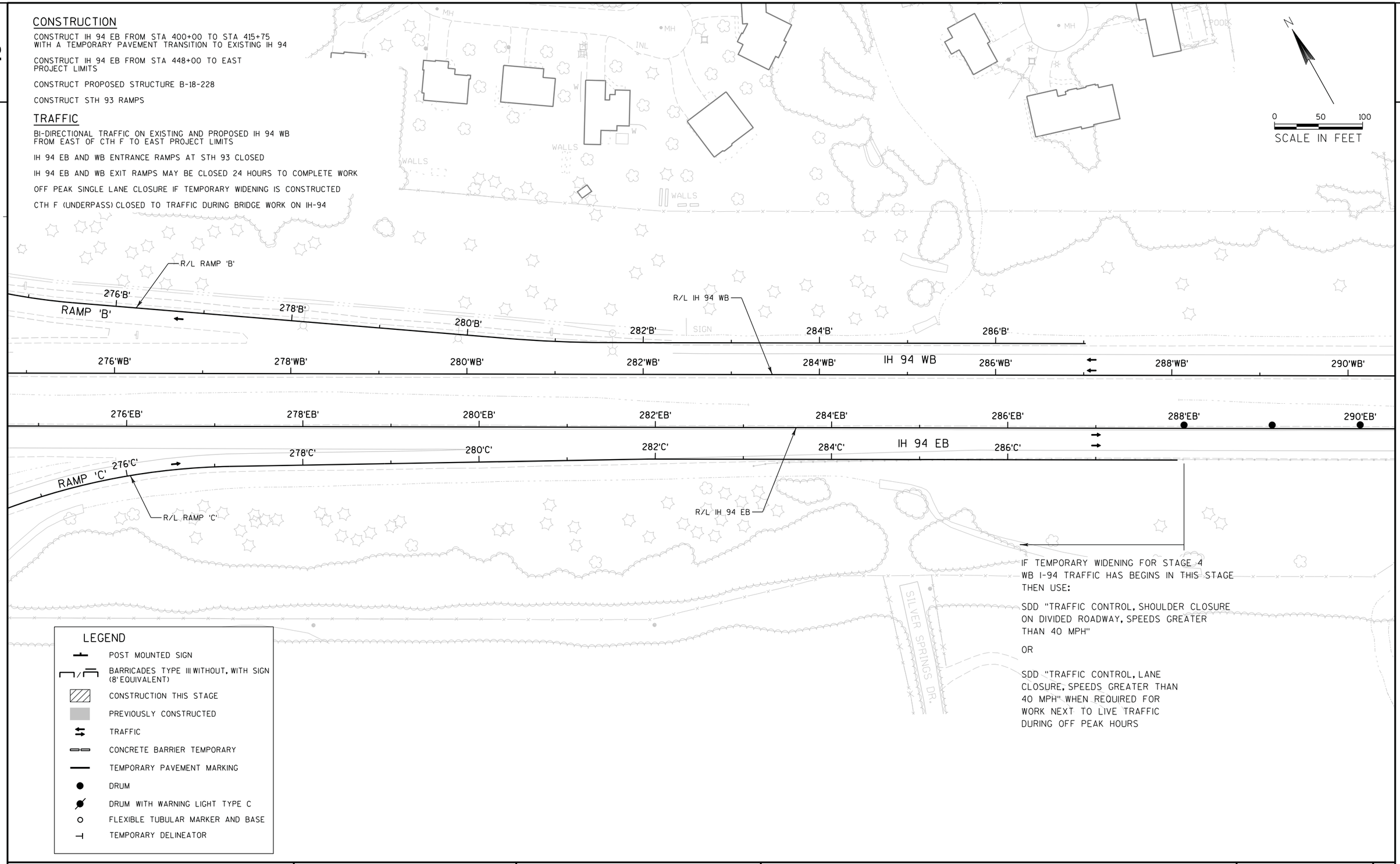
BI-DIRECTIONAL TRAFFIC ON EXISTING AND PROPOSED IH 94 WB
FROM EAST OF CTH F TO EAST PROJECT LIMITS

IH 94 EB AND WB ENTRANCE RAMPS AT STH 93 CLOSED

IH 94 EB AND WB EXIT RAMPS MAY BE CLOSED 24 HOURS TO COMPLETE WORK

OFF PEAK SINGLE LANE CLOSURE IF TEMPORARY WIDENING IS CONSTRUCTED

CTH F (UNDERPASS) CLOSED TO TRAFFIC DURING BRIDGE WORK ON IH-94



IF TEMPORARY WIDENING FOR STAGE 4
WB I-94 TRAFFIC HAS BEGINS IN THIS STAGE
THEN USE:

SDD "TRAFFIC CONTROL, SHOULDER CLOSURE
ON DIVIDED ROADWAY, SPEEDS GREATER
THAN 40 MPH"

OR

SDD "TRAFFIC CONTROL, LANE
CLOSURE, SPEEDS GREATER THAN
40 MPH" WHEN REQUIRED FOR
WORK NEXT TO LIVE TRAFFIC
DURING OFF PEAK HOURS

LEGEND

- POST MOUNTED SIGN
- BARRICADES TYPE III WITHOUT, WITH SIGN (8' EQUIVALENT)
- CONSTRUCTION THIS STAGE
- PREVIOUSLY CONSTRUCTED
- TRAFFIC
- CONCRETE BARRIER TEMPORARY
- TEMPORARY PAVEMENT MARKING
- DRUM
- DRUM WITH WARNING LIGHT TYPE C
- FLEXIBLE TUBULAR MARKER AND BASE
- TEMPORARY DELINEATOR

2

CONSTRUCTION

CONSTRUCT IH 94 EB FROM STA 400+00 TO STA 415+75
WITH A TEMPORARY PAVEMENT TRANSITION TO EXISTING IH 94

CONSTRUCT IH 94 EB FROM STA 448+00 TO EAST
PROJECT LIMITS

CONSTRUCT PROPOSED STRUCTURE B-18-228

CONSTRUCT STH 93 RAMPS

TRAFFIC

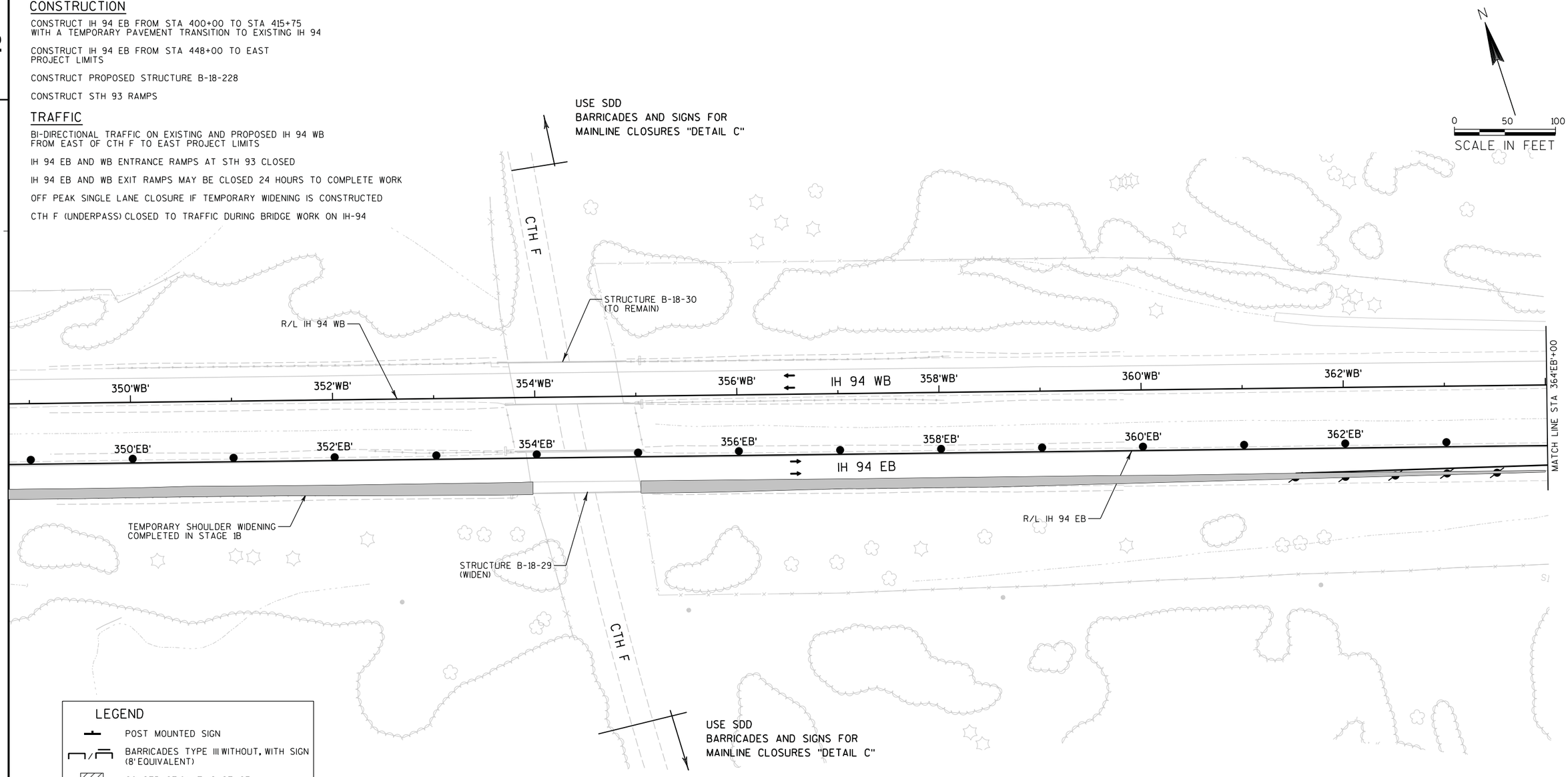
BI-DIRECTIONAL TRAFFIC ON EXISTING AND PROPOSED IH 94 WB
FROM EAST OF CTH F TO EAST PROJECT LIMITS

IH 94 EB AND WB ENTRANCE RAMPS AT STH 93 CLOSED

IH 94 EB AND WB EXIT RAMPS MAY BE CLOSED 24 HOURS TO COMPLETE WORK

OFF PEAK SINGLE LANE CLOSURE IF TEMPORARY WIDENING IS CONSTRUCTED

CTH F (UNDERPASS) CLOSED TO TRAFFIC DURING BRIDGE WORK ON IH-94



LEGEND

- POST MOUNTED SIGN
- BARRICADES TYPE III WITHOUT, WITH SIGN (8' EQUIVALENT)
- CONSTRUCTION THIS STAGE
- PREVIOUSLY CONSTRUCTED
- TRAFFIC
- CONCRETE BARRIER TEMPORARY
- TEMPORARY PAVEMENT MARKING
- DRUM
- DRUM WITH WARNING LIGHT TYPE C
- FLEXIBLE TUBULAR MARKER AND BASE
- TEMPORARY DELINEATOR

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CONSTRUCTION STAGING - STAGE 2	SHEET 209	E

2

CONSTRUCTION

CONSTRUCT IH 94 EB FROM STA 400+00 TO STA 415+75
WITH A TEMPORARY PAVEMENT TRANSITION TO EXISTING IH 94

CONSTRUCT IH 94 EB FROM STA 448+00 TO EAST
PROJECT LIMITS

CONSTRUCT PROPOSED STRUCTURE B-18-228

CONSTRUCT STH 93 RAMPS

TRAFFIC

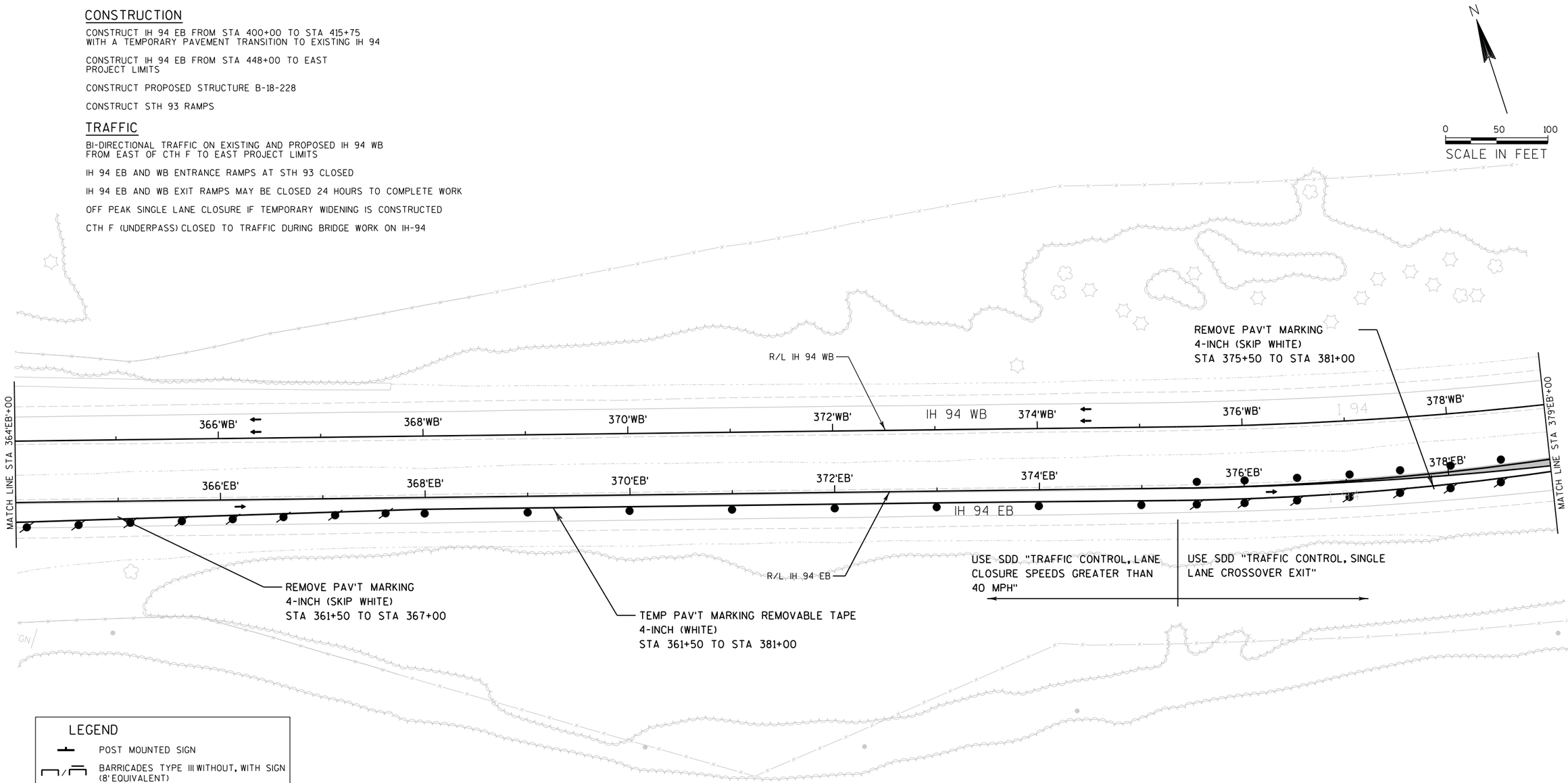
BI-DIRECTIONAL TRAFFIC ON EXISTING AND PROPOSED IH 94 WB
FROM EAST OF CTH F TO EAST PROJECT LIMITS

IH 94 EB AND WB ENTRANCE RAMPS AT STH 93 CLOSED

IH 94 EB AND WB EXIT RAMPS MAY BE CLOSED 24 HOURS TO COMPLETE WORK

OFF PEAK SINGLE LANE CLOSURE IF TEMPORARY WIDENING IS CONSTRUCTED

CTH F (UNDERPASS) CLOSED TO TRAFFIC DURING BRIDGE WORK ON IH-94



LEGEND

- POST MOUNTED SIGN
- BARRICADES TYPE III WITHOUT, WITH SIGN (8' EQUIVALENT)
- CONSTRUCTION THIS STAGE
- PREVIOUSLY CONSTRUCTED
- TRAFFIC
- CONCRETE BARRIER TEMPORARY
- TEMPORARY PAVEMENT MARKING
- DRUM
- DRUM WITH WARNING LIGHT TYPE C
- FLEXIBLE TUBULAR MARKER AND BASE
- TEMPORARY DELINEATOR

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CONSTRUCTION STAGING - STAGE 2	SHEET 210	E

FILE NAME : ...\CH_0803_026209_S2.dgn PLOT DATE : 3/1/2013 PLOT BY : SEH PLOT NAME : PLOT SCALE : N/A

2

CONSTRUCTION

CONSTRUCT IH 94 EB FROM STA 400+00 TO STA 415+75
WITH A TEMPORARY PAVEMENT TRANSITION TO EXISTING IH 94

CONSTRUCT IH 94 EB FROM STA 448+00 TO EAST
PROJECT LIMITS

CONSTRUCT PROPOSED STRUCTURE B-18-228

CONSTRUCT STH 93 RAMPS

TRAFFIC

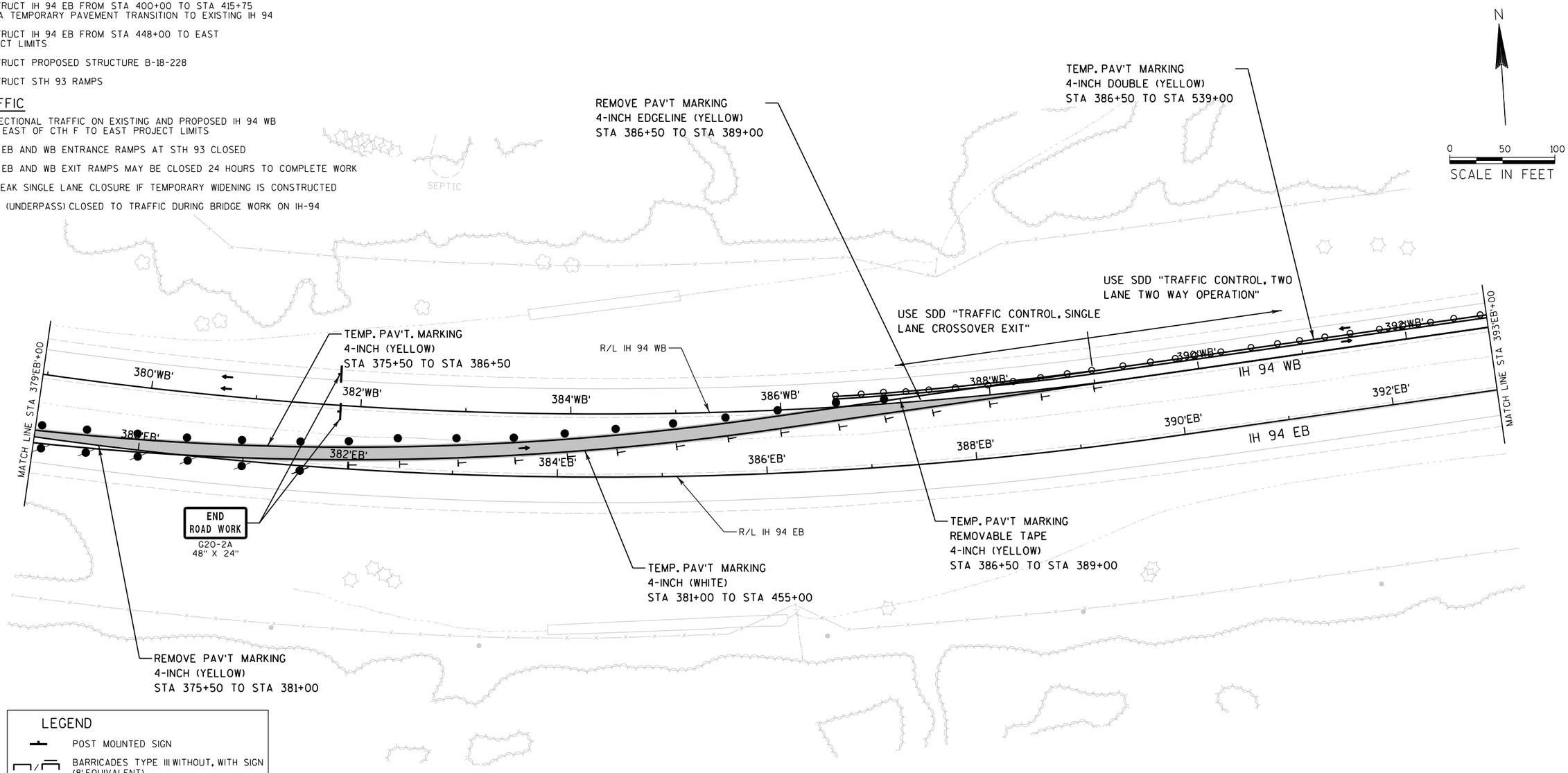
BI-DIRECTIONAL TRAFFIC ON EXISTING AND PROPOSED IH 94 WB
FROM EAST OF CTH F TO EAST PROJECT LIMITS

IH 94 EB AND WB ENTRANCE RAMPS AT STH 93 CLOSED

IH 94 EB AND WB EXIT RAMPS MAY BE CLOSED 24 HOURS TO COMPLETE WORK

OFF PEAK SINGLE LANE CLOSURE IF TEMPORARY WIDENING IS CONSTRUCTED

CTH F (UNDERPASS) CLOSED TO TRAFFIC DURING BRIDGE WORK ON IH-94



LEGEND

- POST MOUNTED SIGN
- BARRICADES TYPE III WITHOUT, WITH SIGN (8' EQUIVALENT)
- CONSTRUCTION THIS STAGE
- PREVIOUSLY CONSTRUCTED
- TRAFFIC
- CONCRETE BARRIER TEMPORARY
- TEMPORARY PAVEMENT MARKING
- DRUM
- DRUM WITH WARNING LIGHT TYPE C
- FLEXIBLE TUBULAR MARKER AND BASE
- TEMPORARY DELINEATOR

2

CONSTRUCTION

CONSTRUCT IH 94 EB FROM STA 400+00 TO STA 415+75
WITH A TEMPORARY PAVEMENT TRANSITION TO EXISTING IH 94

CONSTRUCT IH 94 EB FROM STA 448+00 TO EAST
PROJECT LIMITS

CONSTRUCT PROPOSED STRUCTURE B-18-228

CONSTRUCT STH 93 RAMPS

TRAFFIC

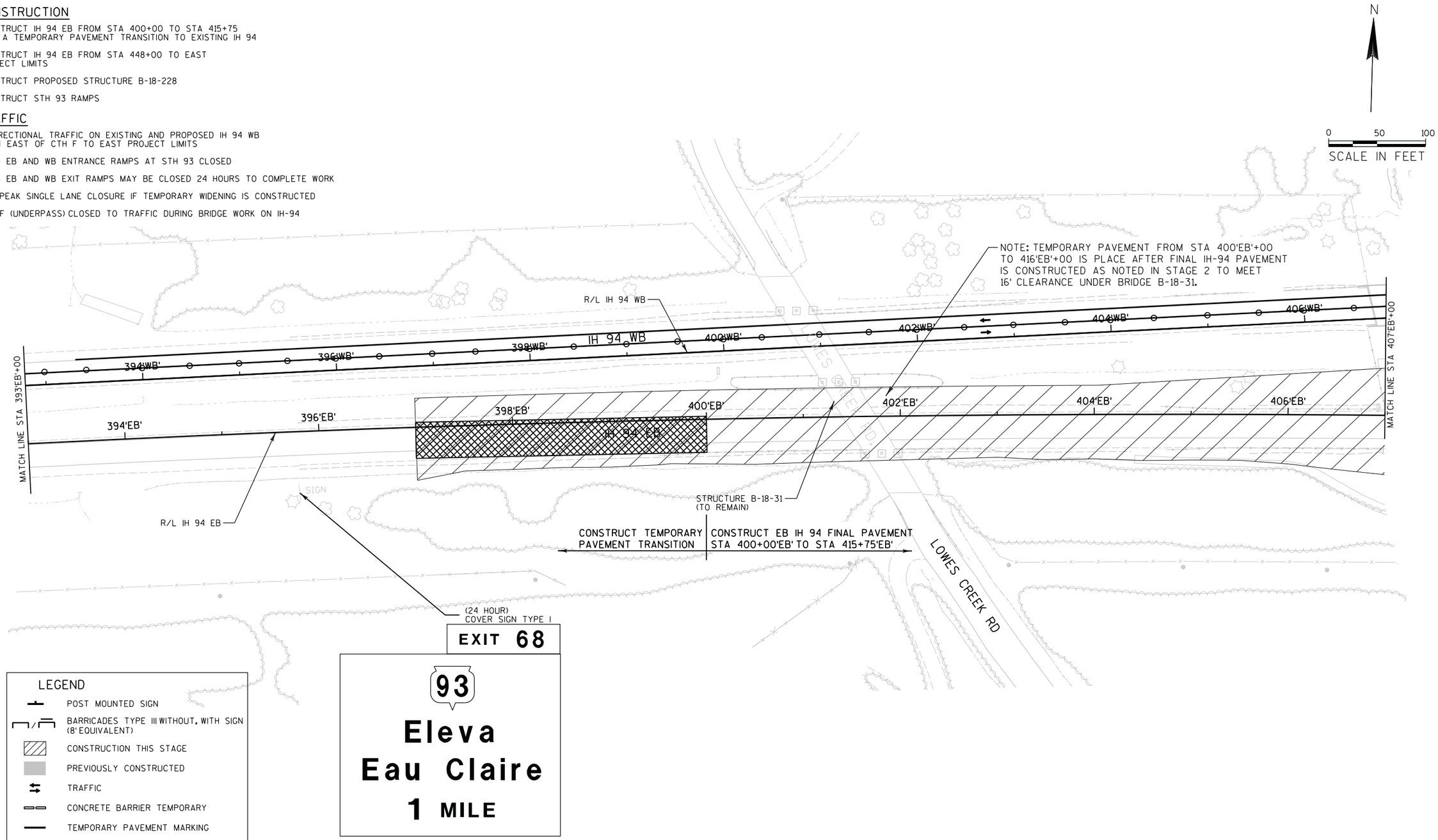
BI-DIRECTIONAL TRAFFIC ON EXISTING AND PROPOSED IH 94 WB
FROM EAST OF CTH F TO EAST PROJECT LIMITS

IH 94 EB AND WB ENTRANCE RAMPS AT STH 93 CLOSED

IH 94 EB AND WB EXIT RAMPS MAY BE CLOSED 24 HOURS TO COMPLETE WORK

OFF PEAK SINGLE LANE CLOSURE IF TEMPORARY WIDENING IS CONSTRUCTED

CTH F (UNDERPASS) CLOSED TO TRAFFIC DURING BRIDGE WORK ON IH-94



PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CONSTRUCTION STAGING - STAGE 2	SHEET 212	E

2

CONSTRUCTION

CONSTRUCT IH 94 EB FROM STA 400+00 TO STA 415+75
WITH A TEMPORARY PAVEMENT TRANSITION TO EXISTING IH 94

CONSTRUCT IH 94 EB FROM STA 448+00 TO EAST
PROJECT LIMITS

CONSTRUCT PROPOSED STRUCTURE B-18-228

CONSTRUCT STH 93 RAMPS

TRAFFIC

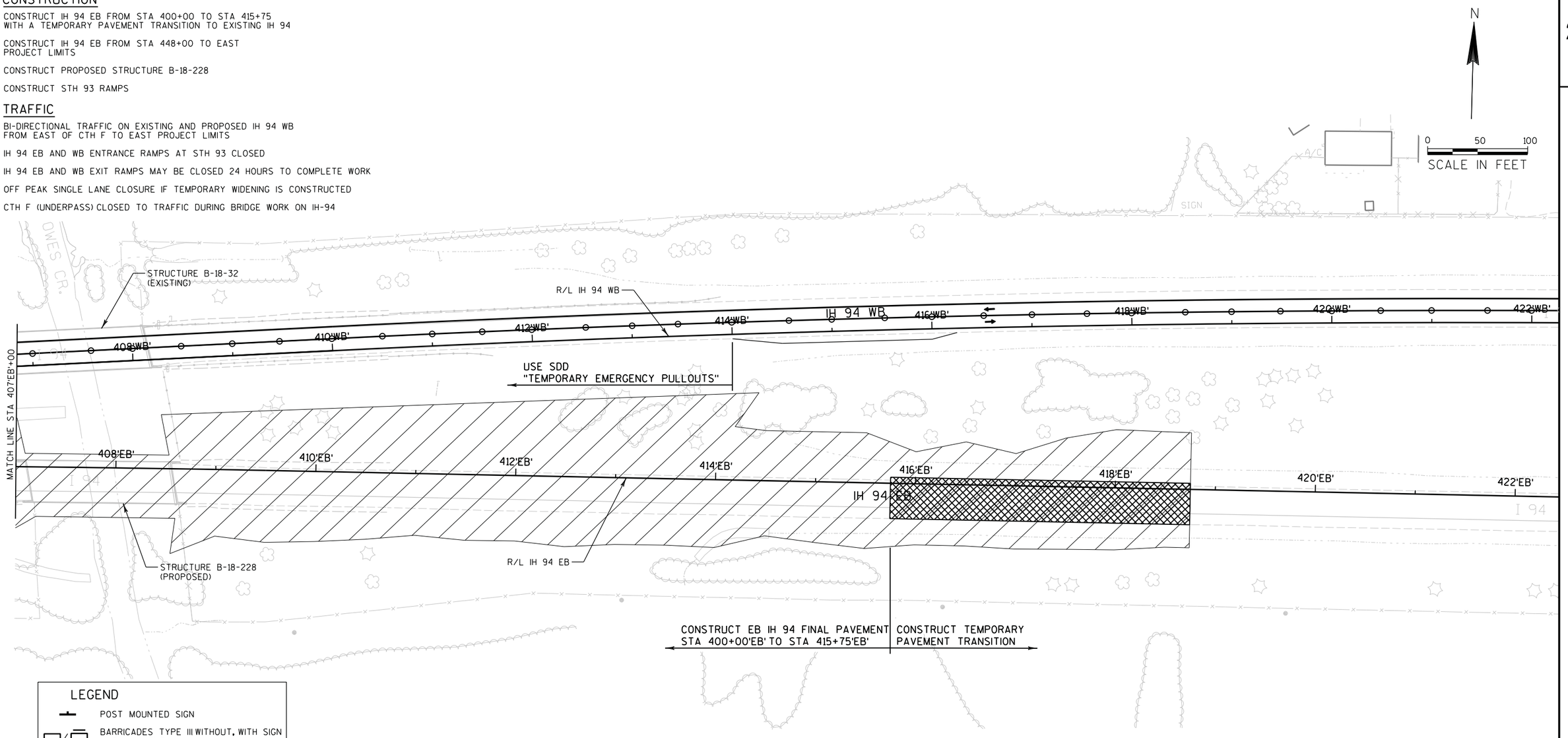
BI-DIRECTIONAL TRAFFIC ON EXISTING AND PROPOSED IH 94 WB
FROM EAST OF CTH F TO EAST PROJECT LIMITS

IH 94 EB AND WB ENTRANCE RAMPS AT STH 93 CLOSED

IH 94 EB AND WB EXIT RAMPS MAY BE CLOSED 24 HOURS TO COMPLETE WORK

OFF PEAK SINGLE LANE CLOSURE IF TEMPORARY WIDENING IS CONSTRUCTED

CTH F (UNDERPASS) CLOSED TO TRAFFIC DURING BRIDGE WORK ON IH-94



LEGEND

- POST MOUNTED SIGN
- BARRICADES TYPE III WITHOUT, WITH SIGN (8' EQUIVALENT)
- CONSTRUCTION THIS STAGE
- PREVIOUSLY CONSTRUCTED
- TRAFFIC
- CONCRETE BARRIER TEMPORARY
- TEMPORARY PAVEMENT MARKING
- DRUM
- DRUM WITH WARNING LIGHT TYPE C
- FLEXIBLE TUBULAR MARKER AND BASE
- TEMPORARY DELINEATOR

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CONSTRUCTION STAGING - STAGE 2	SHEET 213	E

FILE NAME : ...\CH_0803_026212_S2.dgn PLOT DATE : 3/1/2013 PLOT BY : SEH PLOT NAME : PLOT SCALE : N/A

WISDOT/CADDS SHEET 42

2

CONSTRUCTION

CONSTRUCT IH 94 EB FROM STA 400+00 TO STA 415+75
WITH A TEMPORARY PAVEMENT TRANSITION TO EXISTING IH 94

CONSTRUCT IH 94 EB FROM STA 448+00 TO EAST
PROJECT LIMITS

CONSTRUCT PROPOSED STRUCTURE B-18-228

CONSTRUCT STH 93 RAMPS

TRAFFIC

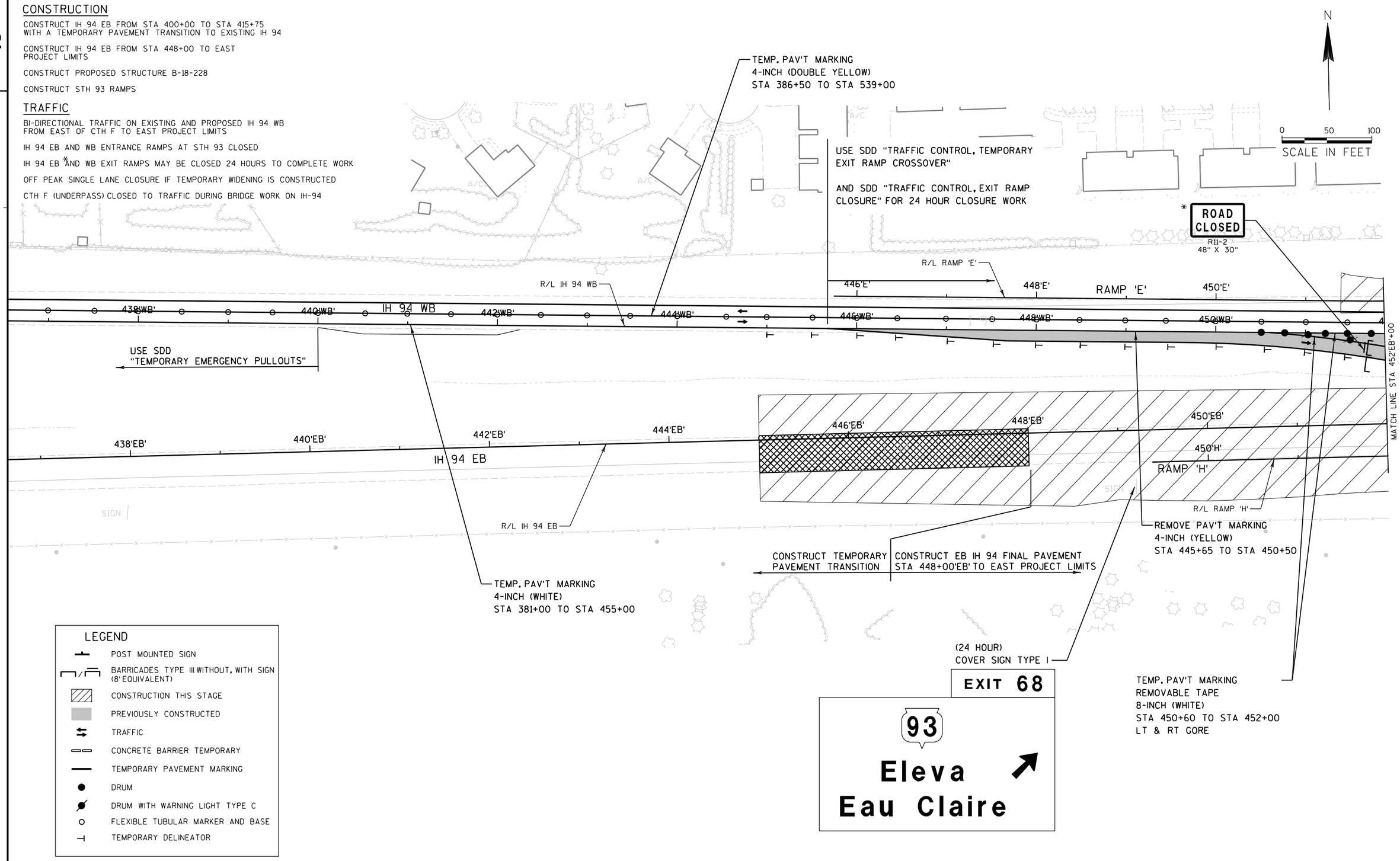
BI-DIRECTIONAL TRAFFIC ON EXISTING AND PROPOSED IH 94 WB
FROM EAST OF CTH F TO EAST PROJECT LIMITS

IH 94 EB AND WB ENTRANCE RAMPS AT STH 93 CLOSED

* IH 94 EB AND WB EXIT RAMPS MAY BE CLOSED 24 HOURS TO COMPLETE WORK

OFF PEAK SINGLE LANE CLOSURE IF TEMPORARY WIDENING IS CONSTRUCTED

CTH F (UNDERPASS) CLOSED TO TRAFFIC DURING BRIDGE WORK ON IH-94



LEGEND

- POST MOUNTED SIGN
- BARRICADES TYPE III WITHOUT, WITH SIGN (8' EQUIVALENT)
- CONSTRUCTION THIS STAGE
- PREVIOUSLY CONSTRUCTED
- TRAFFIC
- CONCRETE BARRIER TEMPORARY
- TEMPORARY PAVEMENT MARKING
- DRUM
- DRUM WITH WARNING LIGHT TYPE C
- FLEXIBLE TUBULAR MARKER AND BASE
- TEMPORARY DELINEATOR

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CONSTRUCTION STAGING - STAGE 2	SHEET 214	E

2

CONSTRUCTION

CONSTRUCT IH 94 EB FROM STA 400+00 TO STA 415+75
WITH A TEMPORARY PAVEMENT TRANSITION TO EXISTING IH 94

CONSTRUCT IH 94 EB FROM STA 448+00 TO EAST
PROJECT LIMITS

CONSTRUCT PROPOSED STRUCTURE B-18-228

CONSTRUCT STH 93 RAMPS

TRAFFIC

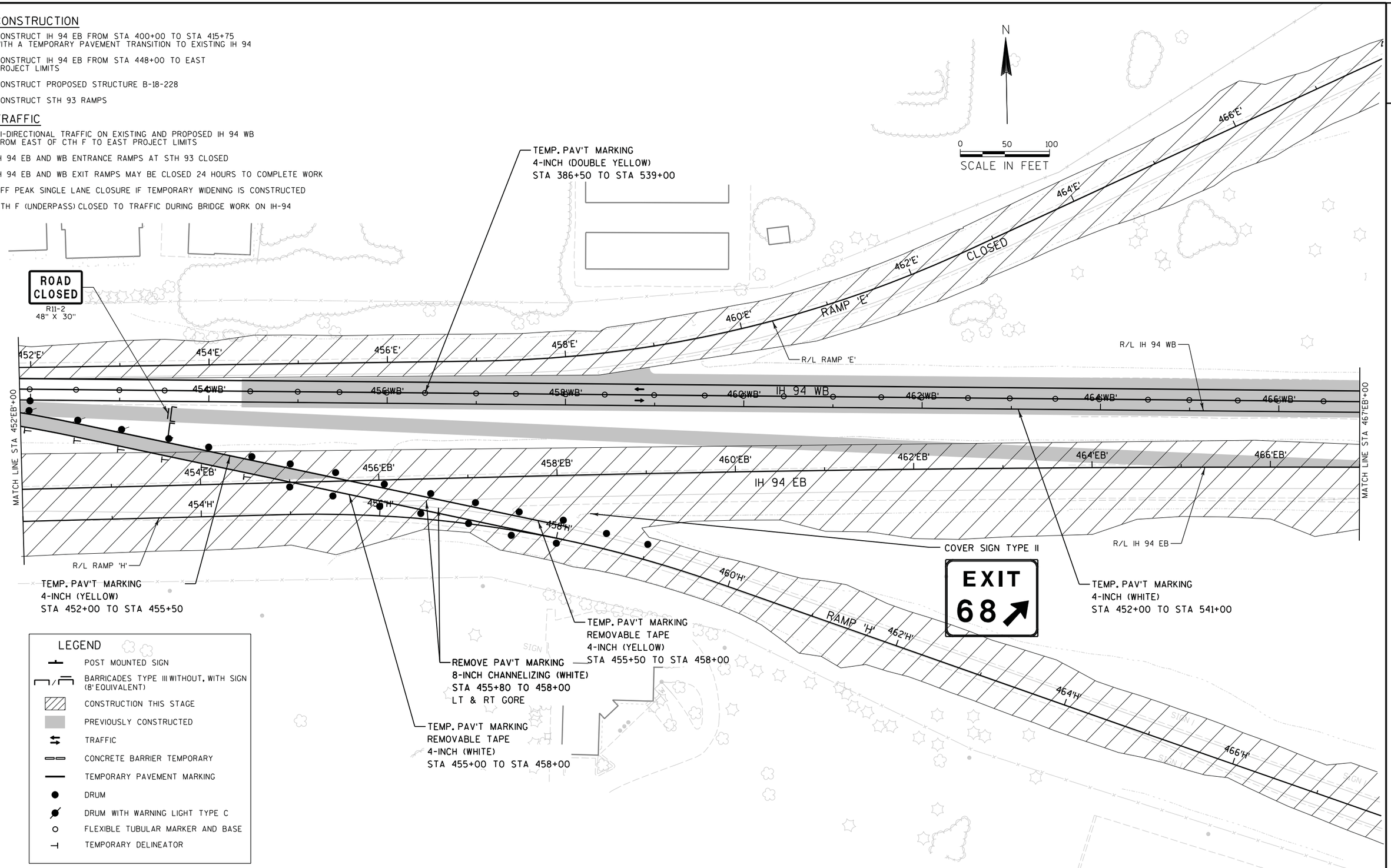
BI-DIRECTIONAL TRAFFIC ON EXISTING AND PROPOSED IH 94 WB
FROM EAST OF CTH F TO EAST PROJECT LIMITS

IH 94 EB AND WB ENTRANCE RAMPS AT STH 93 CLOSED

IH 94 EB AND WB EXIT RAMPS MAY BE CLOSED 24 HOURS TO COMPLETE WORK

OFF PEAK SINGLE LANE CLOSURE IF TEMPORARY WIDENING IS CONSTRUCTED

CTH F (UNDERPASS) CLOSED TO TRAFFIC DURING BRIDGE WORK ON IH-94



PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CONSTRUCTION STAGING - STAGE 2	SHEET 215	E

CONSTRUCTION

CONSTRUCT IH 94 EB FROM STA 400+00 TO STA 415+75 WITH A TEMPORARY PAVEMENT TRANSITION TO EXISTING IH 94

CONSTRUCT IH 94 EB FROM STA 448+00 TO EAST PROJECT LIMITS

CONSTRUCT PROPOSED STRUCTURE B-18-228

CONSTRUCT STH 93 RAMPS

TRAFFIC

BI-DIRECTIONAL TRAFFIC ON EXISTING AND PROPOSED IH 94 WB FROM EAST OF CTH F TO EAST PROJECT LIMITS

IH 94 EB AND WB ENTRANCE RAMPS AT STH 93 CLOSED

IH 94 EB AND WB EXIT RAMPS MAY BE CLOSED 24 HOURS TO COMPLETE WORK

OFF PEAK SINGLE LANE CLOSURE IF TEMPORARY WIDENING IS CONSTRUCTED

CTH F (UNDERPASS) CLOSED TO TRAFFIC DURING BRIDGE WORK ON IH-94

N

0 50 100

SCALE IN FEET

ROAD CLOSED
R11-2
48" X 30"

ROAD CLOSED
R11-2
48" X 30"
RAMP 'F' CLOSED FOR
24 HOURS ONLY

EXIT 68

COVER SIGN TYPE II

SDD "TRAFFIC CONTROL, EXIT RAMP CLOSURE" FOR 24 HOUR CLOSURE WORK

TEMP. PAV'T MARKING
4-INCH (DOUBLE YELLOW)
STA 386+50 TO STA 539+00

STRUCTURE
B-18-119
(TO REMAIN)

R/L IH 94 WB

R/L RAMP 'F'

468'E' 470'F' 472'F' 474'F' RAMP 'F' 476'F' 478'F' 480'F'

468'WB' 470'WB' 472'WB' IH 94 WB 474'WB' 476'WB' 478'WB' 480'WB'

MATCH LINE STA 467'EB+00

USE SDD
"TEMPORARY EMERGENCY PULLOUTS"

468'EB' 470'EB' 472'EB' 474'EB' 476'EB' 478'EB' 480'EB' IH 94 EB

MATCH LINE STA 481'EB+00

480'G'

R/L IH 94 EB

R/L RAMP 'G'

478'G'

476'G'

RAMP 'G'

474'G'

CLOSED

472'G'

470'G'

468'H'

470'H' 468'G'

STRUCTURE
B-18-34
(TO REMAIN)

TEMP. PAV'T MARKING
4-INCH (WHITE)
STA 452+00 TO STA 541+00

COVER SIGN TYPE II

RAMP 'H' CLOSED FOR
24 HOURS ONLY

ROAD CLOSED
R11-2
48" X 30"

ROAD CLOSED
R11-2
48" X 30"

LEGEND

- POST MOUNTED SIGN
- BARRICADES TYPE III WITHOUT, WITH SIGN (8' EQUIVALENT)
- CONSTRUCTION THIS STAGE
- PREVIOUSLY CONSTRUCTED
- TRAFFIC
- CONCRETE BARRIER TEMPORARY
- TEMPORARY PAVEMENT MARKING
- DRUM
- DRUM WITH WARNING LIGHT TYPE C
- FLEXIBLE TUBULAR MARKER AND BASE
- TEMPORARY DELINEATOR

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CONSTRUCTION STAGING - STAGE 2	SHEET 216 E

2

CONSTRUCTION

CONSTRUCT IH 94 EB FROM STA 400+00 TO STA 415+75
WITH A TEMPORARY PAVEMENT TRANSITION TO EXISTING IH 94

CONSTRUCT IH 94 EB FROM STA 448+00 TO EAST
PROJECT LIMITS

CONSTRUCT PROPOSED STRUCTURE B-18-228

CONSTRUCT STH 93 RAMPS

TRAFFIC

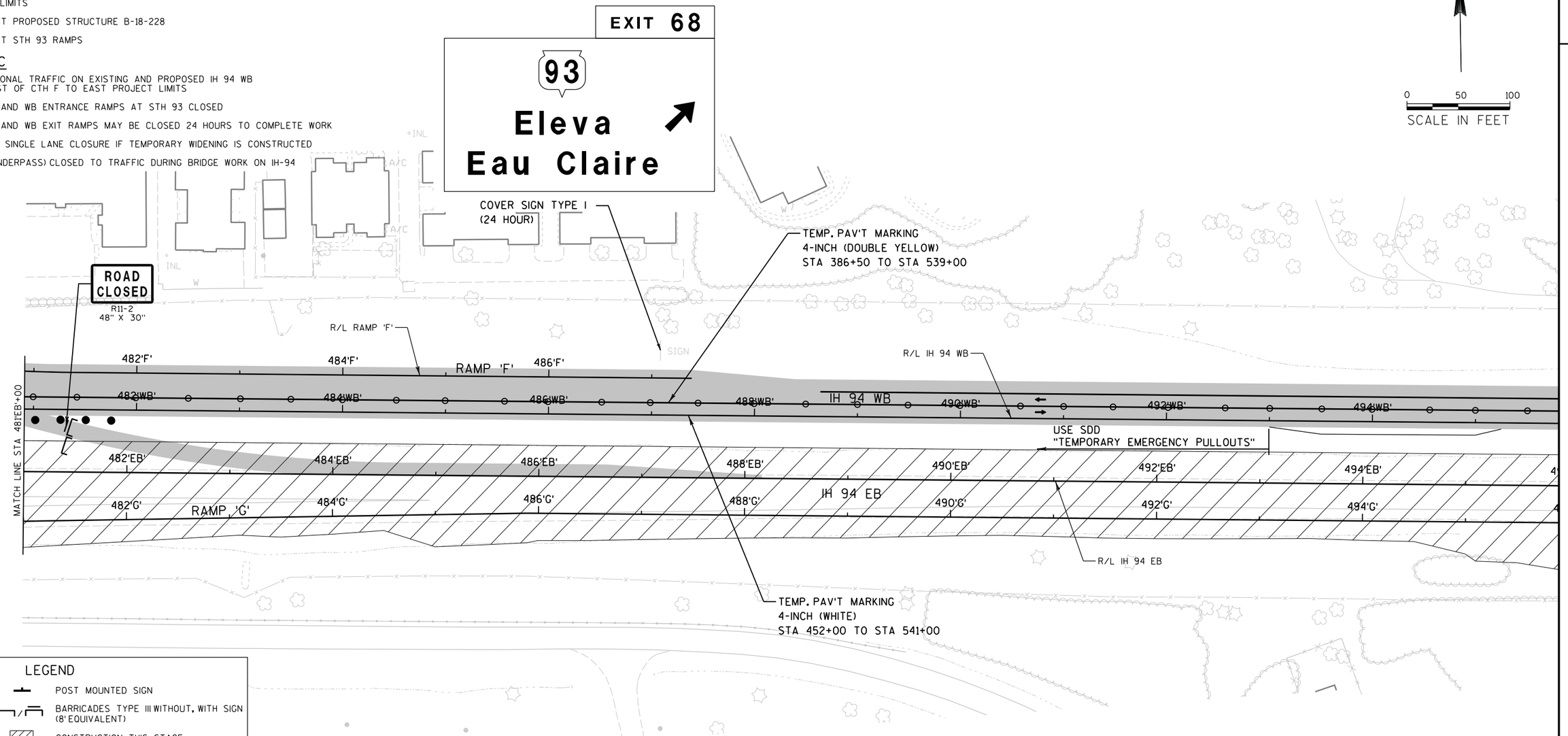
BI-DIRECTIONAL TRAFFIC ON EXISTING AND PROPOSED IH 94 WB
FROM EAST OF CTH F TO EAST PROJECT LIMITS

IH 94 EB AND WB ENTRANCE RAMPS AT STH 93 CLOSED

IH 94 EB AND WB EXIT RAMPS MAY BE CLOSED 24 HOURS TO COMPLETE WORK

OFF PEAK SINGLE LANE CLOSURE IF TEMPORARY WIDENING IS CONSTRUCTED

CTH F (UNDERPASS) CLOSED TO TRAFFIC DURING BRIDGE WORK ON IH-94



LEGEND

- POST MOUNTED SIGN
- BARRICADES TYPE III WITHOUT, WITH SIGN (8' EQUIVALENT)
- CONSTRUCTION THIS STAGE
- PREVIOUSLY CONSTRUCTED
- TRAFFIC
- CONCRETE BARRIER TEMPORARY
- TEMPORARY PAVEMENT MARKING
- DRUM
- DRUM WITH WARNING LIGHT TYPE C
- FLEXIBLE TUBULAR MARKER AND BASE
- TEMPORARY DELINEATOR

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CONSTRUCTION STAGING - STAGE 2	SHEET 217	E

FILE NAME : ...\CH_0803_026217_S2.dgn PLOT DATE : 3/1/2013 PLOT BY : SEH PLOT NAME : PLOT SCALE : N/A

2

CONSTRUCTION

CONSTRUCT IH 94 EB FROM STA 400+00 TO STA 415+75
WITH A TEMPORARY PAVEMENT TRANSITION TO EXISTING IH 94

CONSTRUCT IH 94 EB FROM STA 448+00 TO EAST
PROJECT LIMITS

CONSTRUCT PROPOSED STRUCTURE B-18-228

CONSTRUCT STH 93 RAMPS

TRAFFIC

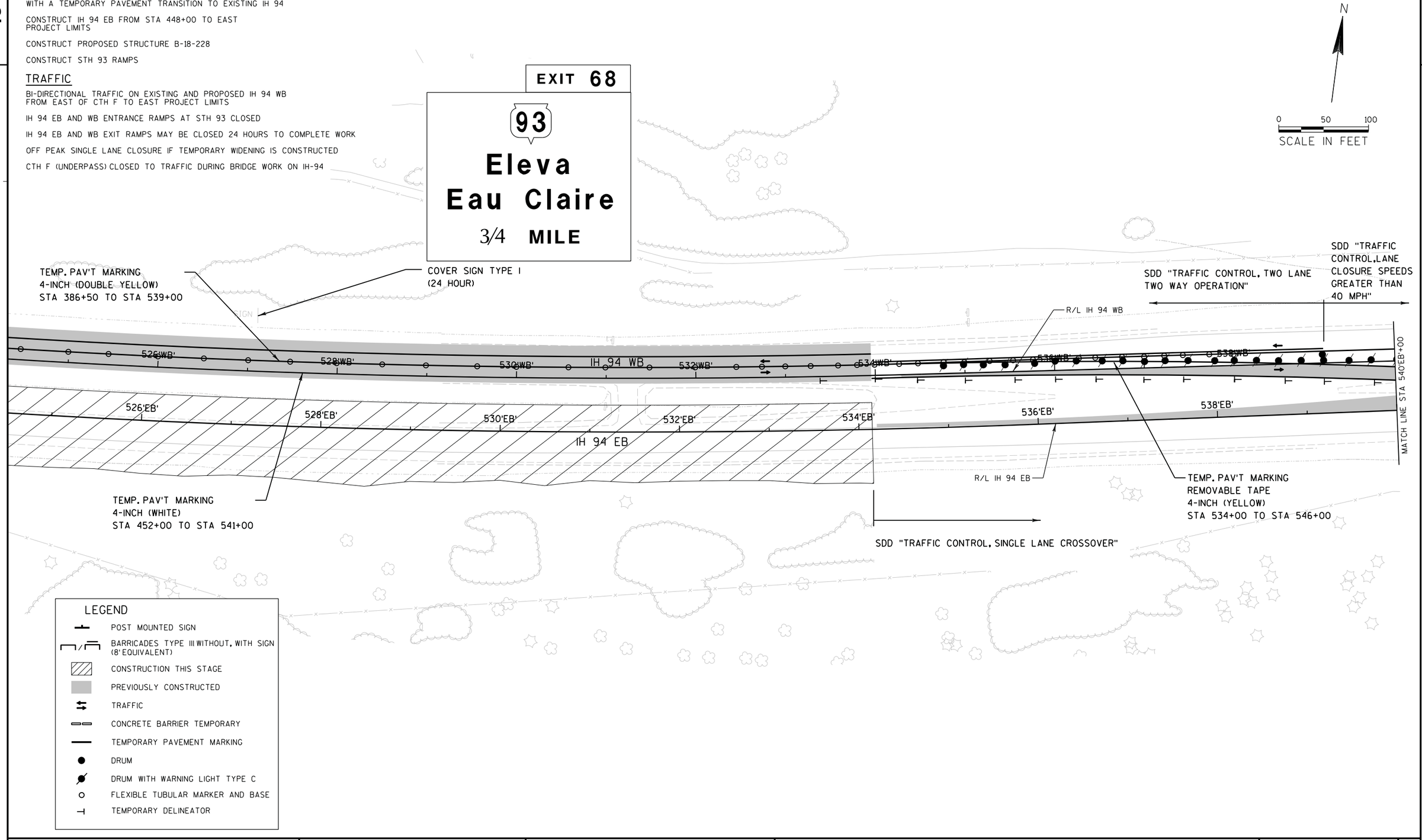
BI-DIRECTIONAL TRAFFIC ON EXISTING AND PROPOSED IH 94 WB
FROM EAST OF CTH F TO EAST PROJECT LIMITS

IH 94 EB AND WB ENTRANCE RAMPS AT STH 93 CLOSED

IH 94 EB AND WB EXIT RAMPS MAY BE CLOSED 24 HOURS TO COMPLETE WORK

OFF PEAK SINGLE LANE CLOSURE IF TEMPORARY WIDENING IS CONSTRUCTED

CTH F (UNDERPASS) CLOSED TO TRAFFIC DURING BRIDGE WORK ON IH-94



LEGEND

- POST MOUNTED SIGN
- BARRICADES TYPE III WITHOUT, WITH SIGN (8' EQUIVALENT)
- CONSTRUCTION THIS STAGE
- PREVIOUSLY CONSTRUCTED
- TRAFFIC
- CONCRETE BARRIER TEMPORARY
- TEMPORARY PAVEMENT MARKING
- DRUM
- DRUM WITH WARNING LIGHT TYPE C
- FLEXIBLE TUBULAR MARKER AND BASE
- TEMPORARY DELINEATOR

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CONSTRUCTION STAGING - STAGE 2	SHEET 218	E

CONSTRUCTION

CONSTRUCT IH 94 EB FROM STA 400+00 TO STA 415+75
WITH A TEMPORARY PAVEMENT TRANSITION TO EXISTING IH 94

CONSTRUCT IH 94 EB FROM STA 448+00 TO EAST
PROJECT LIMITS

CONSTRUCT PROPOSED STRUCTURE B-18-228

CONSTRUCT STH 93 RAMPS

TRAFFIC

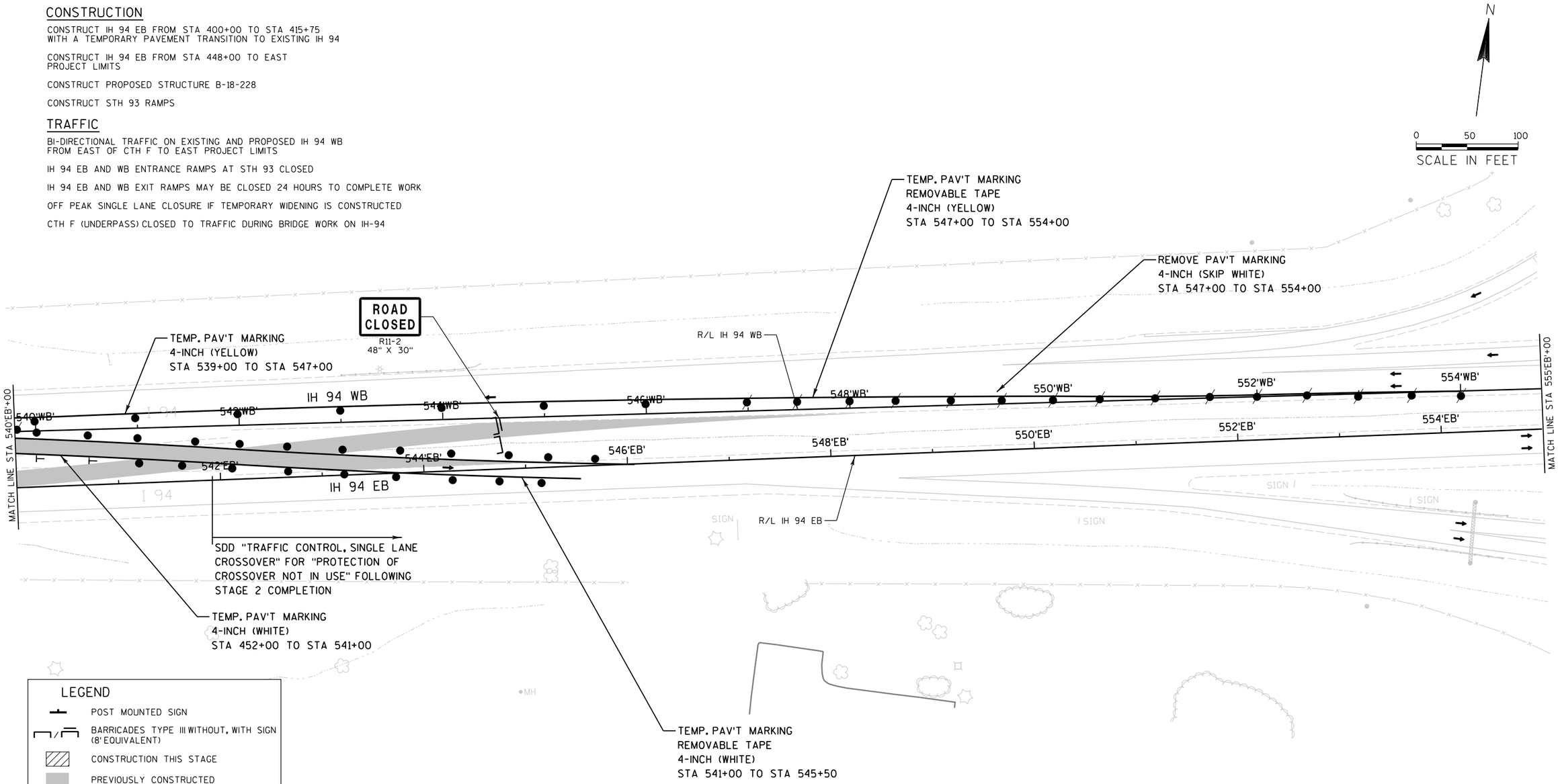
BI-DIRECTIONAL TRAFFIC ON EXISTING AND PROPOSED IH 94 WB
FROM EAST OF CTH F TO EAST PROJECT LIMITS

IH 94 EB AND WB ENTRANCE RAMPS AT STH 93 CLOSED

IH 94 EB AND WB EXIT RAMPS MAY BE CLOSED 24 HOURS TO COMPLETE WORK

OFF PEAK SINGLE LANE CLOSURE IF TEMPORARY WIDENING IS CONSTRUCTED

CTH F (UNDERPASS) CLOSED TO TRAFFIC DURING BRIDGE WORK ON IH-94



LEGEND

- POST MOUNTED SIGN
- BARRICADES TYPE III WITHOUT, WITH SIGN (8' EQUIVALENT)
- CONSTRUCTION THIS STAGE
- PREVIOUSLY CONSTRUCTED
- TRAFFIC
- CONCRETE BARRIER TEMPORARY
- TEMPORARY PAVEMENT MARKING
- DRUM
- DRUM WITH WARNING LIGHT TYPE C
- FLEXIBLE TUBULAR MARKER AND BASE
- TEMPORARY DELINEATOR

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CONSTRUCTION STAGING - STAGE 2	SHEET 219	E

2

CONSTRUCTION

CONSTRUCT IH 94 EB FROM STA 400+00 TO STA 415+75
WITH A TEMPORARY PAVEMENT TRANSITION TO EXISTING IH 94

CONSTRUCT IH 94 EB FROM STA 448+00 TO EAST
PROJECT LIMITS

CONSTRUCT PROPOSED STRUCTURE B-18-228

CONSTRUCT STH 93 RAMPS

TRAFFIC

BI-DIRECTIONAL TRAFFIC ON EXISTING AND PROPOSED IH 94 WB
FROM EAST OF CTH F TO EAST PROJECT LIMITS

IH 94 EB AND WB ENTRANCE RAMPS AT STH 93 CLOSED

IH 94 EB AND WB EXIT RAMPS MAY BE CLOSED 24 HOURS TO COMPLETE WORK
OFF PEAK SINGLE LANE CLOSURE IF TEMPORARY WIDENING IS CONSTRUCTED

CTH F (UNDERPASS) CLOSED TO TRAFFIC DURING BRIDGE WORK ON IH-94

USE SDD "TRAFFIC CONTROL,
EXIT AND ENTRANCE RAMP
WITHIN LANE CLOSURE"

RAMP OPEN

RAMP OPEN

USE SDD "TRAFFIC CONTROL,
EXIT AND ENTRANCE RAMP
WITHIN LANE CLOSURE"

R/L IH 94 WB

556'WB' IH 94 WB 558'WB' 560'WB' 562'WB' 564'WB'

556'EB' 558'EB' 560'EB' 562'EB' 564'EB'

IH 94 EB

R/L IH 94 EB

MATCH LINE STA 555'EB'+00

N

0 50 100

SCALE IN FEET

U.S.H. 53

I 94

LEGEND

- POST MOUNTED SIGN
- BARRICADES TYPE III WITHOUT, WITH SIGN (8' EQUIVALENT)
- CONSTRUCTION THIS STAGE
- PREVIOUSLY CONSTRUCTED
- TRAFFIC
- CONCRETE BARRIER TEMPORARY
- TEMPORARY PAVEMENT MARKING
- DRUM
- DRUM WITH WARNING LIGHT TYPE C
- FLEXIBLE TUBULAR MARKER AND BASE
- TEMPORARY DELINEATOR

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CONSTRUCTION STAGING - STAGE 2	SHEET 220	E

FILE NAME : ...\CH_0803_026222_S2.dgn PLOT DATE : 3/1/2013 PLOT BY : SEH PLOT NAME : PLOT SCALE : N/A

WISDOT/CADDS SHEET 42

2

CONSTRUCTION

CONSTRUCT WB IH 94 MEDIAN TRAFFIC CROSSOVER

CONSTRUCT TEMPORARY ASPHALT SHOULDER WIDENING

CONTINUE WIDENING ON STRUCTURE B-18-25 AND B-18-29

CONSTRUCT TEMPORARY STH 37 RAMP CONNECTIONS

CONSTRUCT MEDIAN TRAFFIC CROSSOVERS AT NORTH AND SOUTH PROJECT LIMITS OF STH 37

CONTINUE TEMPORARY WB IH 94 PAVEMENT MEDIAN WIDENING ON IH 94 EB

TRAFFIC

IH 94 MAINLINE ON EXISTING PAVEMENT

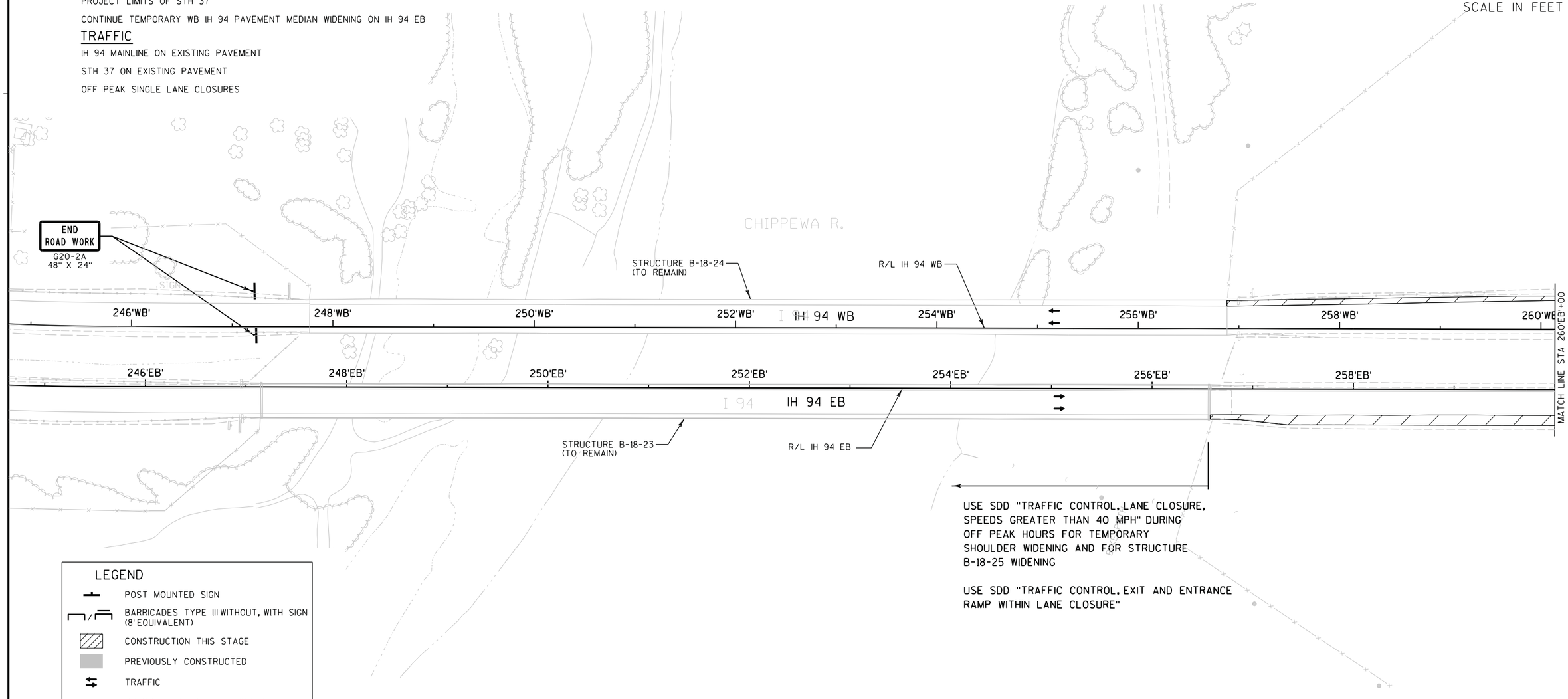
STH 37 ON EXISTING PAVEMENT

OFF PEAK SINGLE LANE CLOSURES

N

0 50 100

SCALE IN FEET



USE SDD "TRAFFIC CONTROL, LANE CLOSURE, SPEEDS GREATER THAN 40 MPH" DURING OFF PEAK HOURS FOR TEMPORARY SHOULDER WIDENING AND FOR STRUCTURE B-18-25 WIDENING

USE SDD "TRAFFIC CONTROL, EXIT AND ENTRANCE RAMP WITHIN LANE CLOSURE"

LEGEND

- POST MOUNTED SIGN
- BARRICADES TYPE III WITHOUT, WITH SIGN (8' EQUIVALENT)
- CONSTRUCTION THIS STAGE
- PREVIOUSLY CONSTRUCTED
- TRAFFIC
- CONCRETE BARRIER TEMPORARY
- TEMPORARY PAVEMENT MARKING
- DRUM
- DRUM WITH WARNING LIGHT TYPE C
- FLEXIBLE TUBULAR MARKER AND BASE
- TEMPORARY DELINEATOR

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CONSTRUCTION STAGING - STAGE 3A	SHEET	E

FILE NAME : ...\CH_0803_026301_S3A.dgn PLOT DATE : 1/29/2013 PLOT BY : SEH PLOT NAME : PLOT SCALE : N/A

WISDOT/CADDS SHEET 42

2

CONSTRUCTION

CONSTRUCT WB IH 94 MEDIAN TRAFFIC CROSSOVER

CONSTRUCT TEMPORARY ASPHALT SHOULDER WIDENING

CONTINUE WIDENING ON STRUCTURE B-18-25 AND B-18-29

CONSTRUCT TEMPORARY STH 37 RAMP CONNECTIONS

CONSTRUCT MEDIAN TRAFFIC CROSSOVERS AT NORTH AND SOUTH PROJECT LIMITS OF STH 37

CONTINUE TEMPORARY WB IH 94 PAVEMENT MEDIAN WIDENING ON IH 94 EB

TRAFFIC

IH 94 MAINLINE ON EXISTING PAVEMENT

STH 37 ON EXISTING PAVEMENT

OFF PEAK SINGLE LANE CLOSURES

N

0 50 100
SCALE IN FEET

34'SB' 34'NB' S.T.H. 37 32'SB' 32'NB' STH 37 SB STH 37 NB

R/L IH 94 WB

STRUCTURE B-18-26 (STRENGTHEN)

R/L RAMP 'A'

RAMP 'A' OPEN

R/L RAMP 'B'

RAMP 'B' OPEN

262'A' 264'A' 266'A' 268'A' 270'A' 272'A' 274'A' 270'B' 272'B' 274'B'

262'WB' 264'WB' 266'WB' 268'WB' 270'WB' 272'WB' 274'WB'

IH 94 WB

INL SIGN SIGN I-94

MATCH LINE STA 260'EB+00

262'EB' 264'EB' 266'EB' 268'EB' 270'EB' 272'EB' 274'EB'

MATCH LINE STA 275'EB+00

262'D' 264'D' 266'D' 268'D'

IH 94 EB

25' (TYP)

30'SB' 30'NB'

WORK ZONE TEMPORARY ASPHALT SHOULDER WIDENING

R/L IH 94 EB

USE SDD "TRAFFIC CONTROL, LANE CLOSURE, SPEEDS GREATER THAN 40 MPH" DURING OFF PEAK HOURS FOR STRUCTURE WIDENING AND "TRAFFIC CONTROL, EXIT AND ENTRANCE RAMP WITHIN LANE CLOSURE"

STRUCTURE B-18-25 (WIDEN/STRENGTHEN)

R/L STH 37 SB

R/L STH 37 NB

R/L RAMP 'D'

RAMP 'D' 270'D' OPEN

RAMP 'C' 274'C' OPEN

R/L RAMP 'C'

272'C' 270'C' 274'D' 272'D'

28'SB' 28'NB' 26'SB' 26'NB'

LEGEND

- POST MOUNTED SIGN
- BARRICADES TYPE III WITHOUT, WITH SIGN (8' EQUIVALENT)
- CONSTRUCTION THIS STAGE
- PREVIOUSLY CONSTRUCTED
- TRAFFIC
- CONCRETE BARRIER TEMPORARY
- TEMPORARY PAVEMENT MARKING
- DRUM
- DRUM WITH WARNING LIGHT TYPE C
- FLEXIBLE TUBULAR MARKER AND BASE
- TEMPORARY DELINEATOR

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CONSTRUCTION STAGING - STAGE 3A	SHEET 222	E

2

CONSTRUCTION

CONSTRUCT WB IH 94 MEDIAN TRAFFIC CROSSOVER

CONSTRUCT TEMPORARY ASPHALT SHOULDER WIDENING

CONTINUE WIDENING ON STRUCTURE B-18-25 AND B-18-29

CONSTRUCT TEMPORARY STH 37 RAMP CONNECTIONS

CONSTRUCT MEDIAN TRAFFIC CROSSOVERS AT NORTH AND SOUTH PROJECT LIMITS OF STH 37

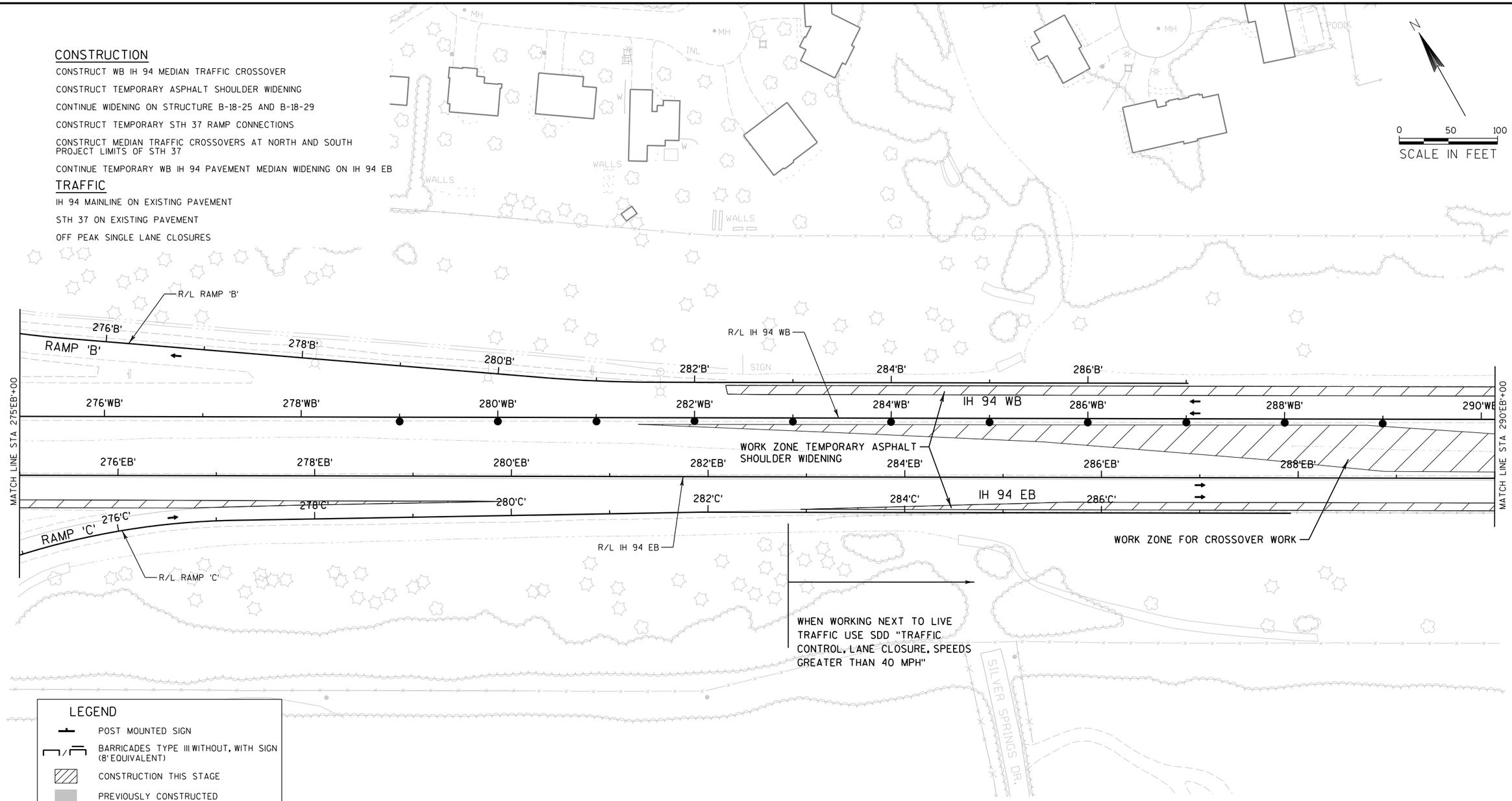
CONTINUE TEMPORARY WB IH 94 PAVEMENT MEDIAN WIDENING ON IH 94 EB

TRAFFIC

IH 94 MAINLINE ON EXISTING PAVEMENT

STH 37 ON EXISTING PAVEMENT

OFF PEAK SINGLE LANE CLOSURES



LEGEND

- POST MOUNTED SIGN
- BARRICADES TYPE III WITHOUT, WITH SIGN (8' EQUIVALENT)
- CONSTRUCTION THIS STAGE
- PREVIOUSLY CONSTRUCTED
- TRAFFIC
- CONCRETE BARRIER TEMPORARY
- TEMPORARY PAVEMENT MARKING
- DRUM
- DRUM WITH WARNING LIGHT TYPE C
- FLEXIBLE TUBULAR MARKER AND BASE
- TEMPORARY DELINEATOR

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CONSTRUCTION STAGING - STAGE 3A	SHEET 223	E

2

CONSTRUCTION

CONSTRUCT WB IH 94 MEDIAN TRAFFIC CROSSOVER

CONSTRUCT TEMPORARY ASPHALT SHOULDER WIDENING

CONTINUE WIDENING ON STRUCTURE B-18-25 AND B-18-29

CONSTRUCT TEMPORARY STH 37 RAMP CONNECTIONS

CONSTRUCT MEDIAN TRAFFIC CROSSOVERS AT NORTH AND SOUTH PROJECT LIMITS OF STH 37

CONTINUE TEMPORARY WB IH 94 PAVEMENT MEDIAN WIDENING ON IH 94 EB

TRAFFIC

IH 94 MAINLINE ON EXISTING PAVEMENT

STH 37 ON EXISTING PAVEMENT

OFF PEAK SINGLE LANE CLOSURES

USE SDD "TRAFFIC CONTROL, SHOULDER CLOSURE ON DIVIDED ROADWAY, SPEEDS GREATER THAN 40 MPH"

WHEN WORKING NEXT TO LIVE TRAFFIC USE SDD "TRAFFIC CONTROL, LANE CLOSURE, SPEEDS GREATER THAN 40 MPH"

N

0 50 100

SCALE IN FEET

STRUCTURE B-18-204 (TO REMAIN)

R/L IH 94 WB

MATCH LINE STA 290'EB+00

292'WB' 294'WB' IH 94 WB 296'WB' 298'WB' 300'WB' 302'WB' 304'WB'

WORK ZONE TEMPORARY ASPHALT SHOULDER WIDENING

292'EB' 294'EB' 296'EB' 298'EB' 300'EB' 302'EB' 304'EB'

IH 94 EB

R/L IH 94 EB

WORK ZONE TO CONSTRUCT TEMPORARY WB IH 94 PAVEMENT

USE SDD "TRAFFIC CONTROL, SHOULDER CLOSURE ON DIVIDED ROADWAY, SPEEDS GREATER THAN 40 MPH"

WHEN WORKING NEXT TO LIVE TRAFFIC USE SDD "TRAFFIC CONTROL, LANE CLOSURE, SPEEDS GREATER THAN 40 MPH" DURING OFF PEAK HOURS. RIGHT LANE AT B-18-25 MUST BE OPEN TO TRAFFIC

STRUCTURE B-18-203 (TO REMAIN)

I 94

SIGN

SIGN

LEGEND

- POST MOUNTED SIGN
- BARRICADES TYPE III WITHOUT, WITH SIGN (8' EQUIVALENT)
- CONSTRUCTION THIS STAGE
- PREVIOUSLY CONSTRUCTED
- TRAFFIC
- CONCRETE BARRIER TEMPORARY
- TEMPORARY PAVEMENT MARKING
- DRUM
- DRUM WITH WARNING LIGHT TYPE C
- FLEXIBLE TUBULAR MARKER AND BASE
- TEMPORARY DELINEATOR

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CONSTRUCTION STAGING - STAGE 3A	SHEET 224	E

2

CONSTRUCTION

CONSTRUCT WB IH 94 MEDIAN TRAFFIC CROSSOVER

CONSTRUCT TEMPORARY ASPHALT SHOULDER WIDENING

CONTINUE WIDENING ON STRUCTURE B-18-25 AND B-18-29

CONSTRUCT TEMPORARY STH 37 RAMP CONNECTIONS

CONSTRUCT MEDIAN TRAFFIC CROSSOVERS AT NORTH AND SOUTH PROJECT LIMITS OF STH 37

CONTINUE TEMPORARY WB IH 94 PAVEMENT MEDIAN WIDENING ON IH 94 EB

TRAFFIC

IH 94 MAINLINE ON EXISTING PAVEMENT

STH 37 ON EXISTING PAVEMENT

OFF PEAK SINGLE LANE CLOSURES

EXIT 65

37

Eau Claire
Mondovi
1 MILE

NEXT EXIT 6 MILES

N

0 50 100

SCALE IN FEET

COVER SIGN TYPE I

SIGN

R/L IH 94 WB

334'WB' 336'WB' 338'WB' 340'WB' 342'WB' IH 94 WB 344'WB' 346'WB' 348'WB'

334'EB' 336'EB' 338'EB' 340'EB' 342'EB' IH 94 EB 344'EB' 346'EB' 348'EB'

MATCH LINE STA 349'EB'+00

R/L IH 94 EB

TEMPORARY ASPHALT WIDENING CONSTRUCTED IN STAGE 1B

USE SDD "TRAFFIC CONTROL, LANE CLOSURE, SPEEDS GREATER THAN 40 MPH"

CRASH CUSHION TEMP. STA 347+00

REMOVE PAV'T MARK 4-INCH (SKIP WHITE) STA 340+00 TO STA 347+00

LEGEND

- POST MOUNTED SIGN
- BARRICADES TYPE III WITHOUT, WITH SIGN (8' EQUIVALENT)
- CONSTRUCTION THIS STAGE
- PREVIOUSLY CONSTRUCTED
- TRAFFIC
- CONCRETE BARRIER TEMPORARY
- TEMPORARY PAVEMENT MARKING
- DRUM
- DRUM WITH WARNING LIGHT TYPE C
- FLEXIBLE TUBULAR MARKER AND BASE
- TEMPORARY DELINEATOR

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CONSTRUCTION STAGING - STAGE 3A	SHEET E

FILE NAME : ...\CH_0803_026307_S3A.dgn PLOT DATE : 1/29/2013 PLOT BY : SEH PLOT NAME : PLOT SCALE : N/A

WISDOT/CADDS SHEET 42

2

CONSTRUCTION

CONSTRUCT WB IH 94 MEDIAN TRAFFIC CROSSOVER

CONSTRUCT TEMPORARY ASPHALT SHOULDER WIDENING

CONTINUE WIDENING ON STRUCTURE B-18-25 AND B-18-29

CONSTRUCT TEMPORARY STH 37 RAMP CONNECTIONS

CONSTRUCT MEDIAN TRAFFIC CROSSOVERS AT NORTH AND SOUTH PROJECT LIMITS OF STH 37

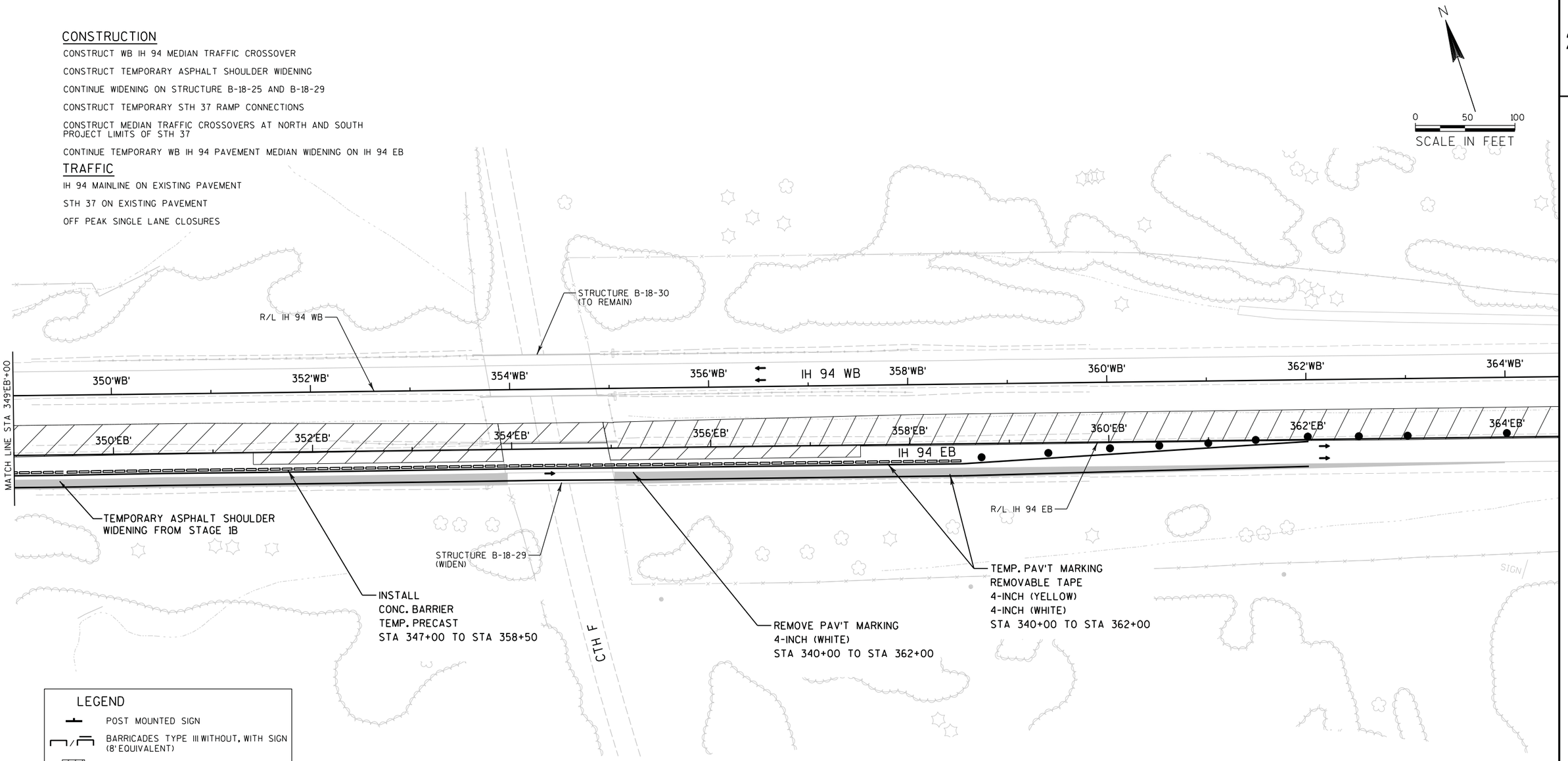
CONTINUE TEMPORARY WB IH 94 PAVEMENT MEDIAN WIDENING ON IH 94 EB

TRAFFIC

IH 94 MAINLINE ON EXISTING PAVEMENT

STH 37 ON EXISTING PAVEMENT

OFF PEAK SINGLE LANE CLOSURES



LEGEND

- POST MOUNTED SIGN
- BARRICADES TYPE III WITHOUT, WITH SIGN (8' EQUIVALENT)
- CONSTRUCTION THIS STAGE
- PREVIOUSLY CONSTRUCTED
- TRAFFIC
- CONCRETE BARRIER TEMPORARY
- TEMPORARY PAVEMENT MARKING
- DRUM
- DRUM WITH WARNING LIGHT TYPE C
- FLEXIBLE TUBULAR MARKER AND BASE
- TEMPORARY DELINEATOR

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CONSTRUCTION STAGING - STAGE 3A	SHEET 226	E

2

CONSTRUCTION

CONSTRUCT WB IH 94 MEDIAN TRAFFIC CROSSOVER

CONSTRUCT TEMPORARY ASPHALT SHOULDER WIDENING

CONTINUE WIDENING ON STRUCTURE B-18-25 AND B-18-29

CONSTRUCT TEMPORARY STH 37 RAMP CONNECTIONS

CONSTRUCT MEDIAN TRAFFIC CROSSOVERS AT NORTH AND SOUTH PROJECT LIMITS OF STH 37

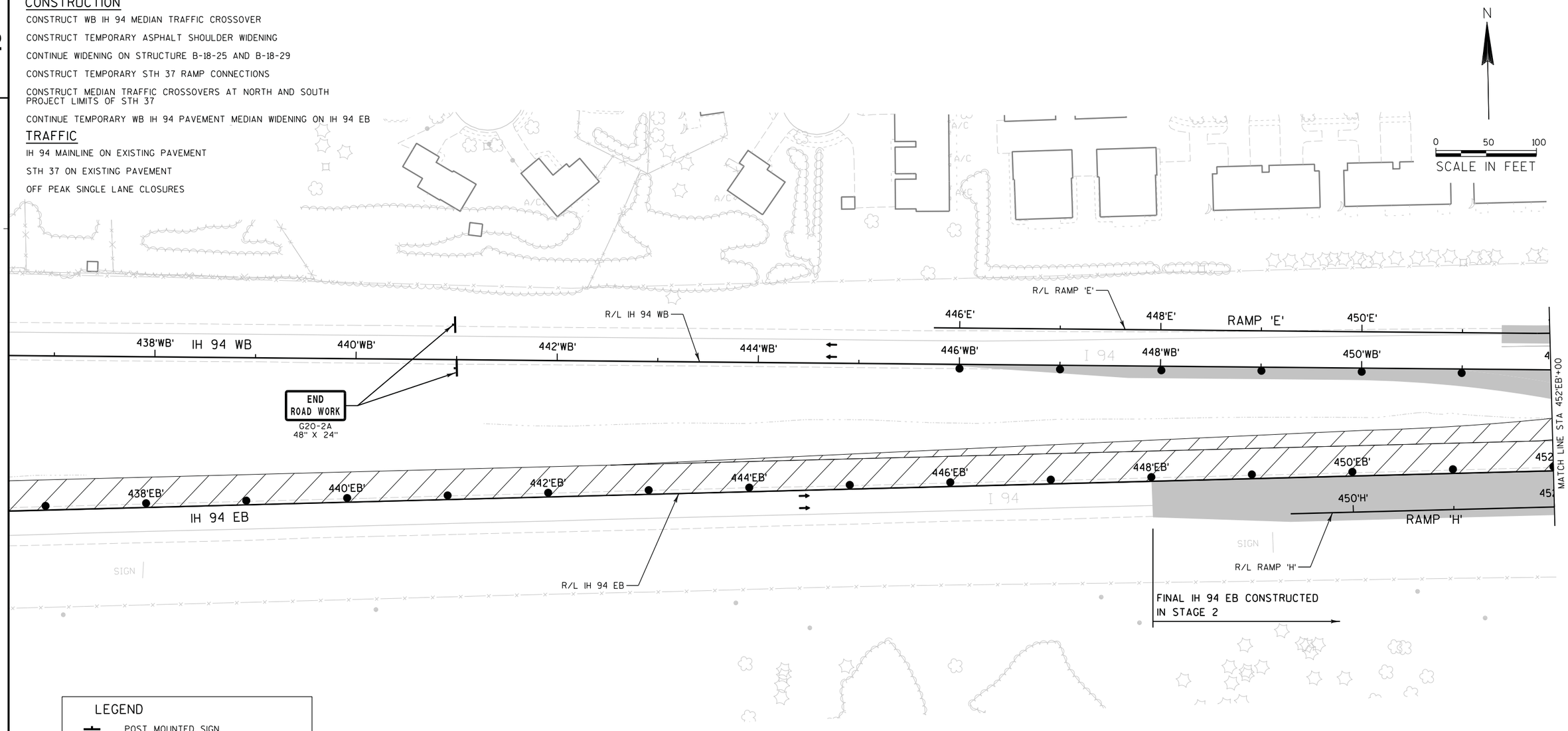
CONTINUE TEMPORARY WB IH 94 PAVEMENT MEDIAN WIDENING ON IH 94 EB

TRAFFIC

IH 94 MAINLINE ON EXISTING PAVEMENT

STH 37 ON EXISTING PAVEMENT

OFF PEAK SINGLE LANE CLOSURES



LEGEND

- POST MOUNTED SIGN
- BARRICADES TYPE III WITHOUT, WITH SIGN (8' EQUIVALENT)
- CONSTRUCTION THIS STAGE
- PREVIOUSLY CONSTRUCTED
- TRAFFIC
- CONCRETE BARRIER TEMPORARY
- TEMPORARY PAVEMENT MARKING
- DRUM
- DRUM WITH WARNING LIGHT TYPE C
- FLEXIBLE TUBULAR MARKER AND BASE
- TEMPORARY DELINEATOR

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CONSTRUCTION STAGING - STAGE 3A	SHEET 227	E

FILE NAME : ...\CH_0803_026314_S3A.dgn PLOT DATE : 1/30/2013 PLOT BY : SEH PLOT NAME : PLOT SCALE : N/A

2

CONSTRUCTION

CONSTRUCT WB IH 94 MEDIAN TRAFFIC CROSSOVER

CONSTRUCT TEMPORARY ASPHALT SHOULDER WIDENING

CONTINUE WIDENING ON STRUCTURE B-18-25 AND B-18-29

CONSTRUCT TEMPORARY STH 37 RAMP CONNECTIONS

CONSTRUCT MEDIAN TRAFFIC CROSSOVERS AT NORTH AND SOUTH PROJECT LIMITS OF STH 37

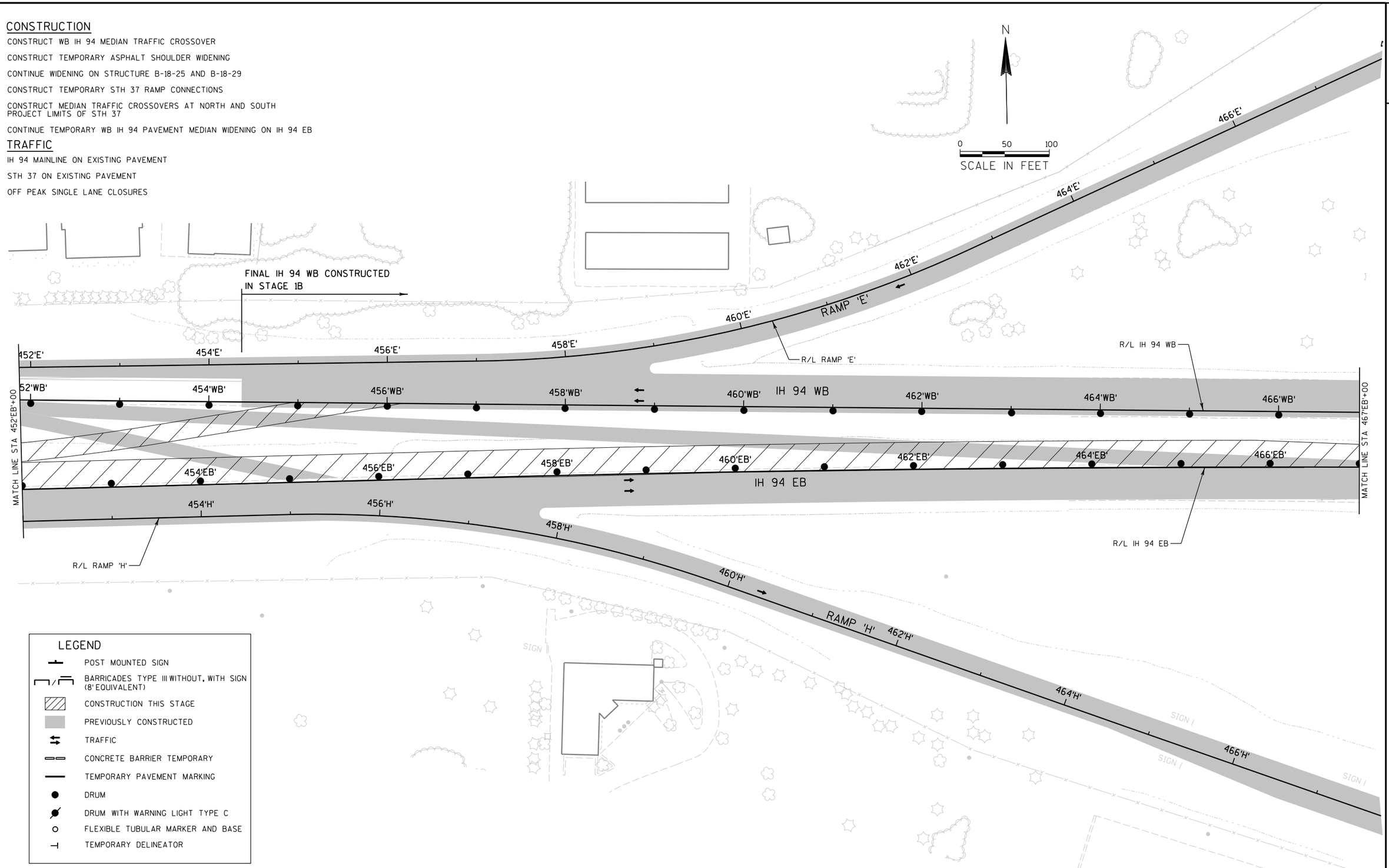
CONTINUE TEMPORARY WB IH 94 PAVEMENT MEDIAN WIDENING ON IH 94 EB

TRAFFIC

IH 94 MAINLINE ON EXISTING PAVEMENT

STH 37 ON EXISTING PAVEMENT

OFF PEAK SINGLE LANE CLOSURES



LEGEND

- POST MOUNTED SIGN
- BARRICADES TYPE III WITHOUT, WITH SIGN (8' EQUIVALENT)
- CONSTRUCTION THIS STAGE
- PREVIOUSLY CONSTRUCTED
- TRAFFIC
- CONCRETE BARRIER TEMPORARY
- TEMPORARY PAVEMENT MARKING
- DRUM
- DRUM WITH WARNING LIGHT TYPE C
- FLEXIBLE TUBULAR MARKER AND BASE
- TEMPORARY DELINEATOR

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CONSTRUCTION STAGING - STAGE 3A	SHEET 228	E

2

2

CONSTRUCTION

CONSTRUCT WB IH 94 MEDIAN TRAFFIC CROSSOVER

CONSTRUCT TEMPORARY ASPHALT SHOULDER WIDENING

CONTINUE WIDENING ON STRUCTURE B-18-25 AND B-18-29

CONSTRUCT TEMPORARY STH 37 RAMP CONNECTIONS

CONSTRUCT MEDIAN TRAFFIC CROSSOVERS AT NORTH AND SOUTH PROJECT LIMITS OF STH 37

CONTINUE TEMPORARY WB IH 94 PAVEMENT MEDIAN WIDENING ON IH 94 EB

TRAFFIC

IH 94 MAINLINE ON EXISTING PAVEMENT

STH 37 ON EXISTING PAVEMENT

OFF PEAK SINGLE LANE CLOSURES

N

0 50 100

SCALE IN FEET

468'F' 470'F' 472'F' 474'F' RAMP 'F' 476'F' 478'F' 480'F'

R/L RAMP 'F'

STRUCTURE B-18-119 (TO REMAIN)

R/L IH 94 WB

468'WB' 470'WB' 472'WB' IH 94 WB 474'WB' 476'WB' 478'WB' 480'WB'

MATCH LINE STA 467'EB+00

MATCH LINE STA 481'EB+00

468'EB' 470'EB' 472'EB' 474'EB' 476'EB' 478'EB' 480'EB'

IH 94 EB

R/L IH 94 EB

R/L RAMP 'G'

480'G'

478'G'

476'G'

474'G'

472'G'

470'G'

468'G'

RAMP 'G'

STRUCTURE B-18-34 (TO REMAIN)

468'H' 470'H'

LEGEND

- POST MOUNTED SIGN
- BARRICADES TYPE III WITHOUT, WITH SIGN (8' EQUIVALENT)
- CONSTRUCTION THIS STAGE
- PREVIOUSLY CONSTRUCTED
- TRAFFIC
- CONCRETE BARRIER TEMPORARY
- TEMPORARY PAVEMENT MARKING
- DRUM
- DRUM WITH WARNING LIGHT TYPE C
- FLEXIBLE TUBULAR MARKER AND BASE
- TEMPORARY DELINEATOR

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CONSTRUCTION STAGING - STAGE 3A	SHEET 229	E

FILE NAME : ...\CH_0803_026316_S3A.dgn PLOT DATE : 1/30/2013 PLOT BY : SEH PLOT NAME : PLOT SCALE : N/A

2

CONSTRUCTION

CONSTRUCT WB IH 94 MEDIAN TRAFFIC CROSSOVER

CONSTRUCT TEMPORARY ASPHALT SHOULDER WIDENING

CONTINUE WIDENING ON STRUCTURE B-18-25 AND B-18-29

CONSTRUCT TEMPORARY STH 37 RAMP CONNECTIONS

CONSTRUCT MEDIAN TRAFFIC CROSSOVERS AT NORTH AND SOUTH PROJECT LIMITS OF STH 37

CONTINUE TEMPORARY WB IH 94 PAVEMENT MEDIAN WIDENING ON IH 94 EB

TRAFFIC

IH 94 MAINLINE ON EXISTING PAVEMENT

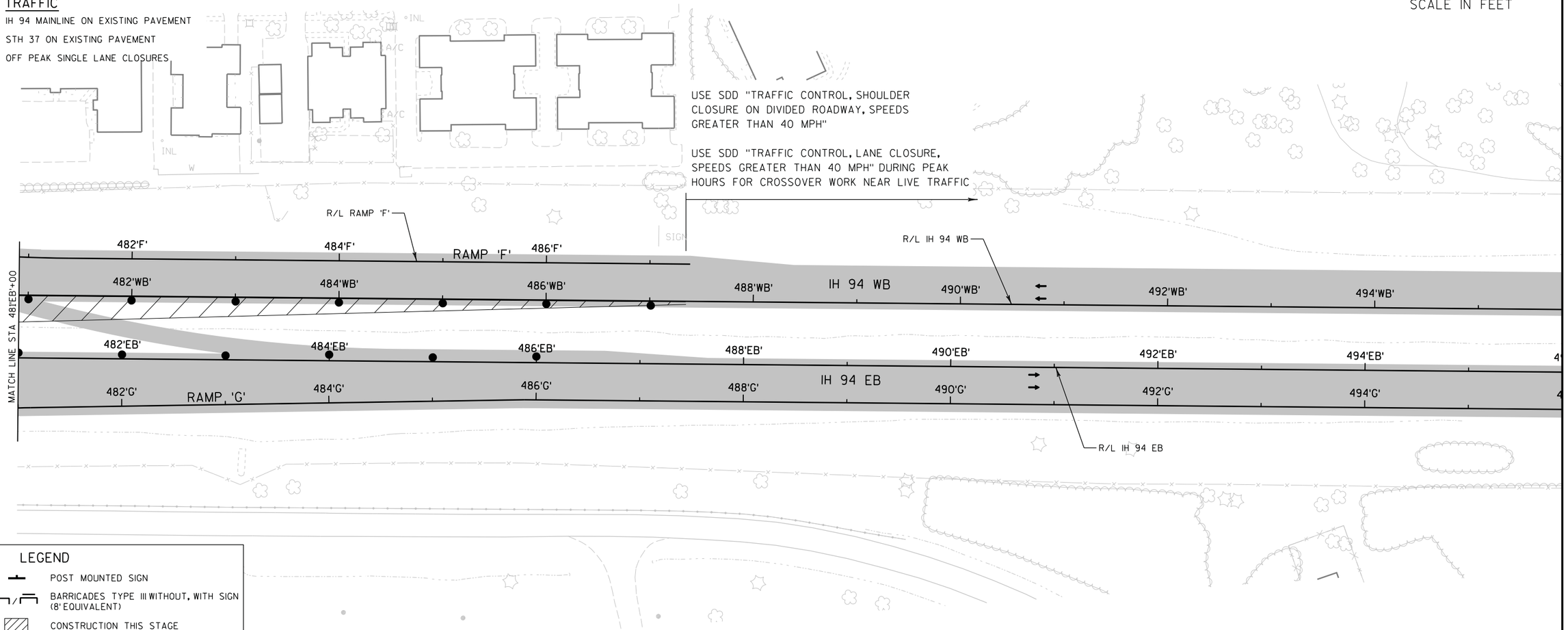
STH 37 ON EXISTING PAVEMENT

OFF PEAK SINGLE LANE CLOSURES

N

0 50 100

SCALE IN FEET



LEGEND

- POST MOUNTED SIGN
- BARRICADES TYPE III WITHOUT, WITH SIGN (8' EQUIVALENT)
- CONSTRUCTION THIS STAGE
- PREVIOUSLY CONSTRUCTED
- TRAFFIC
- CONCRETE BARRIER TEMPORARY
- TEMPORARY PAVEMENT MARKING
- DRUM
- DRUM WITH WARNING LIGHT TYPE C
- FLEXIBLE TUBULAR MARKER AND BASE
- TEMPORARY DELINEATOR

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CONSTRUCTION STAGING - STAGE 3A	SHEET 230	E

FILE NAME : ...\CH_0803_026317_S3A.dgn PLOT DATE : 1/30/2013 PLOT BY : SEH PLOT NAME : PLOT SCALE : N/A

WISDOT/CADDS SHEET 42

CONSTRUCTION

CONSTRUCT WB IH 94 MEDIAN TRAFFIC CROSSOVER

CONSTRUCT TEMPORARY ASPHALT SHOULDER WIDENING

CONTINUE WIDENING ON STRUCTURE B-18-25 AND B-18-29

CONSTRUCT TEMPORARY STH 37 RAMP CONNECTIONS

CONSTRUCT MEDIAN TRAFFIC CROSSOVERS AT NORTH AND SOUTH PROJECT LIMITS OF STH 37

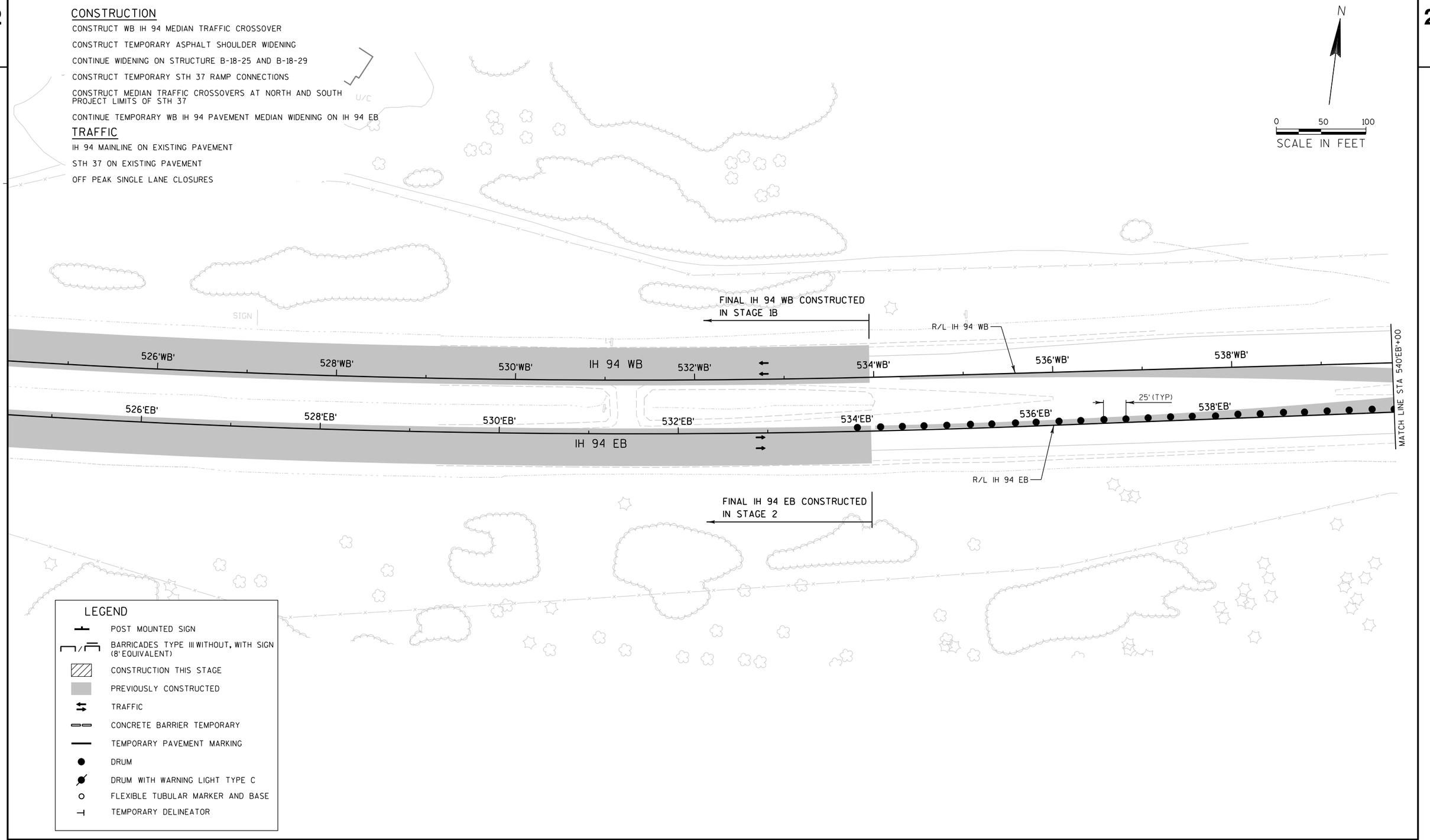
CONTINUE TEMPORARY WB IH 94 PAVEMENT MEDIAN WIDENING ON IH 94 EB

TRAFFIC

IH 94 MAINLINE ON EXISTING PAVEMENT

STH 37 ON EXISTING PAVEMENT

OFF PEAK SINGLE LANE CLOSURES



LEGEND

- POST MOUNTED SIGN
- BARRICADES TYPE III WITHOUT, WITH SIGN (8' EQUIVALENT)
- CONSTRUCTION THIS STAGE
- PREVIOUSLY CONSTRUCTED
- TRAFFIC
- CONCRETE BARRIER TEMPORARY
- TEMPORARY PAVEMENT MARKING
- DRUM
- DRUM WITH WARNING LIGHT TYPE C
- FLEXIBLE TUBULAR MARKER AND BASE
- TEMPORARY DELINEATOR

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CONSTRUCTION STAGING - STAGE 3A	SHEET 231	E

2

CONSTRUCTION

CONSTRUCT WB IH 94 MEDIAN TRAFFIC CROSSOVER

CONSTRUCT TEMPORARY ASPHALT SHOULDER WIDENING

CONTINUE WIDENING ON STRUCTURE B-18-25 AND B-18-29

CONSTRUCT TEMPORARY STH 37 RAMP CONNECTIONS

CONSTRUCT MEDIAN TRAFFIC CROSSOVERS AT NORTH AND SOUTH PROJECT LIMITS OF STH 37

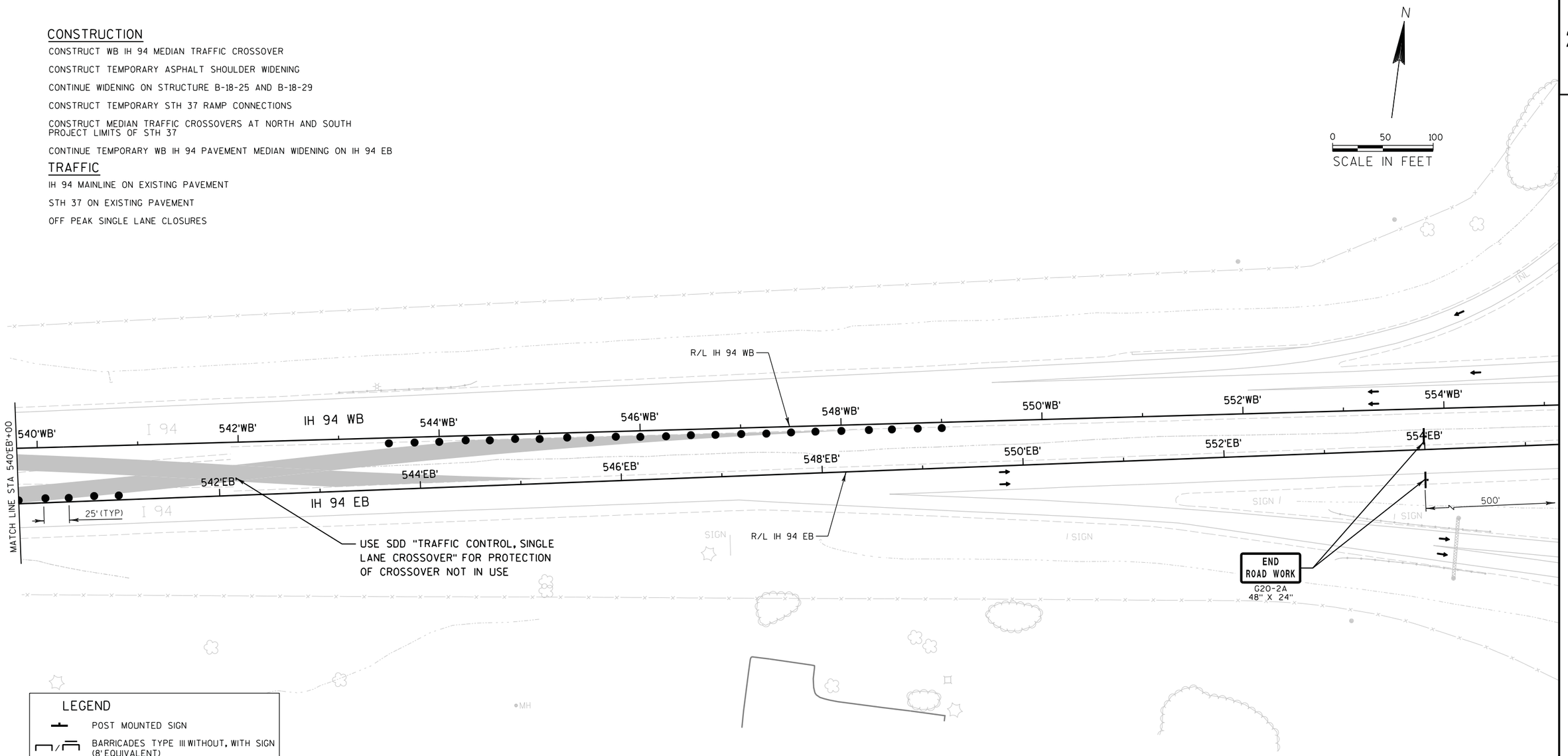
CONTINUE TEMPORARY WB IH 94 PAVEMENT MEDIAN WIDENING ON IH 94 EB

TRAFFIC

IH 94 MAINLINE ON EXISTING PAVEMENT

STH 37 ON EXISTING PAVEMENT

OFF PEAK SINGLE LANE CLOSURES



LEGEND

- POST MOUNTED SIGN
- BARRICADES TYPE III WITHOUT, WITH SIGN (8' EQUIVALENT)
- CONSTRUCTION THIS STAGE
- PREVIOUSLY CONSTRUCTED
- TRAFFIC
- CONCRETE BARRIER TEMPORARY
- TEMPORARY PAVEMENT MARKING
- DRUM
- DRUM WITH WARNING LIGHT TYPE C
- FLEXIBLE TUBULAR MARKER AND BASE
- TEMPORARY DELINEATOR

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CONSTRUCTION STAGING - STAGE 3A	SHEET 232	E

2

CONSTRUCTION

CONSTRUCT WB IH 94 MEDIAN TRAFFIC CROSSOVER

CONSTRUCT TEMPORARY ASPHALT SHOULDER WIDENING

CONTINUE WIDENING ON STRUCTURE B-18-25 AND B-18-29

CONSTRUCT TEMPORARY STH 37 RAMP CONNECTIONS

CONSTRUCT MEDIAN TRAFFIC CROSSOVERS AT NORTH AND SOUTH PROJECT LIMITS OF STH 37

CONTINUE TEMPORARY WB IH 94 PAVEMENT MEDIAN WIDENING ON IH 94 EB

TRAFFIC

IH 94 MAINLINE ON EXISTING PAVEMENT

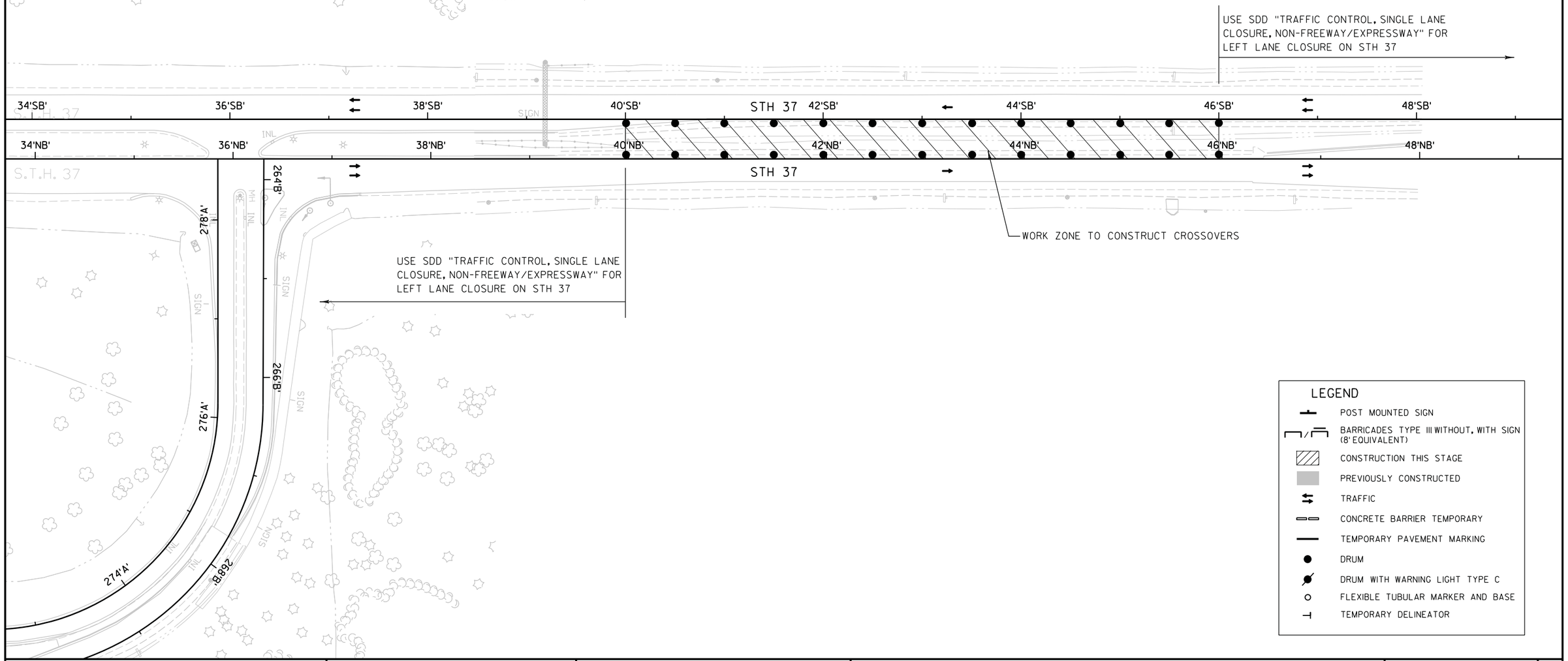
STH 37 ON EXISTING PAVEMENT

OFF PEAK SINGLE LANE CLOSURES

N

0 50 100

SCALE IN FEET



LEGEND

- POST MOUNTED SIGN
- BARRICADES TYPE III WITHOUT, WITH SIGN (8' EQUIVALENT)
- CONSTRUCTION THIS STAGE
- PREVIOUSLY CONSTRUCTED
- TRAFFIC
- CONCRETE BARRIER TEMPORARY
- TEMPORARY PAVEMENT MARKING
- DRUM
- DRUM WITH WARNING LIGHT TYPE C
- FLEXIBLE TUBULAR MARKER AND BASE
- TEMPORARY DELINEATOR

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CONSTRUCTION STAGING - STAGE 3A	SHEET 233	E

2

CONSTRUCTION

CONSTRUCT PROPOSED INSIDE LANE OF IH 94 EB AND WB FROM WEST PROJECT LIMITS TO EAST OF STH 37

CONTINUE WIDENING ON STRUCTURES B-18-25 AND B-18-29

CONSTRUCT TEMPORARY STH 37 RAMP CONNECTIONS

BEGIN CONSTRUCTING STH 37 NB AND RAMPS

CONTINUE TEMPORARY WB IH 94 PAVEMENT MEDIAN WIDENING ON IH 94 EB

TRAFFIC

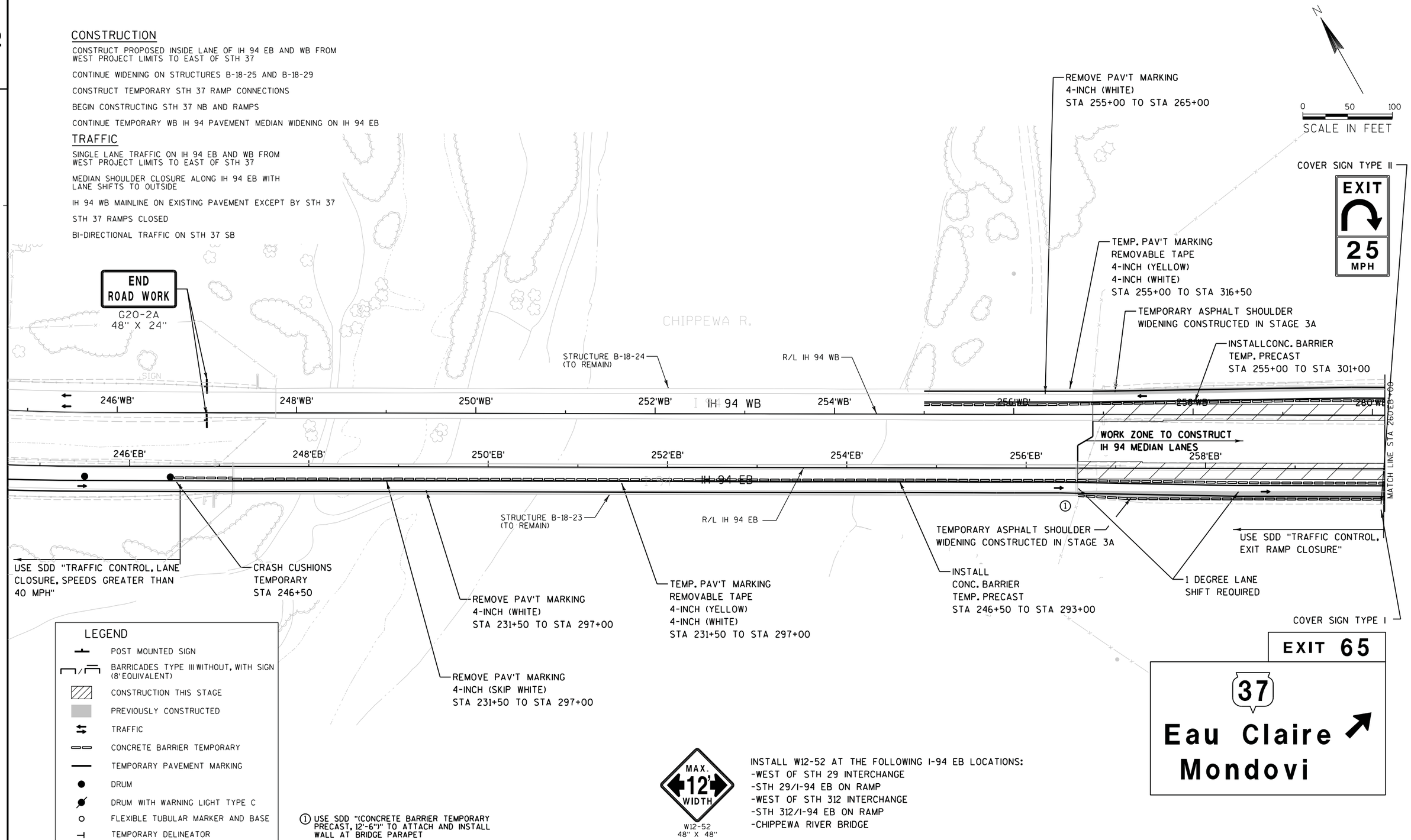
SINGLE LANE TRAFFIC ON IH 94 EB AND WB FROM WEST PROJECT LIMITS TO EAST OF STH 37

MEDIAN SHOULDER CLOSURE ALONG IH 94 EB WITH LANE SHIFTS TO OUTSIDE

IH 94 WB MAINLINE ON EXISTING PAVEMENT EXCEPT BY STH 37

STH 37 RAMPS CLOSED

BI-DIRECTIONAL TRAFFIC ON STH 37 SB



LEGEND

- POST MOUNTED SIGN
- BARRICADES TYPE III WITHOUT, WITH SIGN (8' EQUIVALENT)
- CONSTRUCTION THIS STAGE
- PREVIOUSLY CONSTRUCTED
- TRAFFIC
- CONCRETE BARRIER TEMPORARY
- TEMPORARY PAVEMENT MARKING
- DRUM
- DRUM WITH WARNING LIGHT TYPE C
- FLEXIBLE TUBULAR MARKER AND BASE
- TEMPORARY DELINEATOR

① USE SDD "(CONCRETE BARRIER TEMPORARY PRECAST, 12'-6")" TO ATTACH AND INSTALL WALL AT BRIDGE PARAPET

MAX. 12' WIDTH
W12-52
48" X 48"

INSTALL W12-52 AT THE FOLLOWING I-94 EB LOCATIONS:
-WEST OF STH 29 INTERCHANGE
-STH 29/I-94 EB ON RAMP
-WEST OF STH 312 INTERCHANGE
-STH 312/I-94 EB ON RAMP
-CHIPPEWA RIVER BRIDGE

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CONSTRUCTION STAGING - STAGE 3B	SHEET 234	E

FILE NAME : ...\CH_0803_026331_S3B.dgn PLOT DATE : 1/30/2013 PLOT BY : SEH PLOT NAME : PLOT SCALE : N/A

2

CONSTRUCTION

CONSTRUCT PROPOSED INSIDE LANE OF IH 94 EB AND WB FROM WEST PROJECT LIMITS TO EAST OF STH 37

CONTINUE WIDENING ON STRUCTURES B-18-25 AND B-18-29

CONSTRUCT TEMPORARY STH 37 RAMP CONNECTIONS

BEGIN CONSTRUCTING STH 37 NB AND RAMPS

CONTINUE TEMPORARY WB IH 94 PAVEMENT MEDIAN WIDENING ON IH 94 EB

TRAFFIC

SINGLE LANE TRAFFIC ON IH 94 EB AND WB FROM WEST PROJECT LIMITS TO EAST OF STH 37

MEDIAN SHOULDER CLOSURE ALONG IH 94 EB WITH LANE SHIFTS TO OUTSIDE

IH 94 WB MAINLINE ON EXISTING PAVEMENT EXCEPT BY STH 37

STH 37 RAMPS CLOSED

BI-DIRECTIONAL TRAFFIC ON STH 37 SB

REMOVE PAV'T MARKING
4-INCH (WHITE)
8-INCH (WHITE)
STA 265+00 TO STA 280+00

TEMP. PAV'T MARKING
REMOVABLE TAPE
4-INCH (YELLOW)
4-INCH (WHITE)
STA 255+00 TO STA 316+50

N

0 50 100
SCALE IN FEET

INSTALL
CONC. BARRIER
TEMP. PRECAST
STA 255+00 TO STA 301+00

R/L RAMP 'A'

270'A'

CLOSED

RAMP 'A'

272'A'

270'B'

272'B'

RAMP 'B'

CLOSED

274'B'

R/L RAMP 'B'

COVER SIGN TYPE II

STRUCTURE B-18-26
(STRENGTHEN)

R/L IH 94 WB

262'A' 264'A' 266'A' 268'A'

IH 94 WB

262'WB 264'WB 266'WB 268'WB 270'WB 272'WB 274'WB

MATCH LINE STA 260'EB+00

MATCH LINE STA 275EB+00

262'EB' 264'EB' 266'EB' 268'EB' 270'EB' 272'EB' 274'EB'

IH 94 EB

262'D 264'D 266'D 268'D

TEMPORARY ASPHALT SHOULDER WIDENING
CONSTRUCTED IN STAGE 3A

INSTALL
CONC. BARRIER
TEMP. PRECAST
STA 256+50 TO STA 269+00

STRUCTURE B-18-25
(WIDEN/STRENGTHEN)

R/L STH 37 SB

R/L STH 37 NB

TEMP. PAV'T MARKING
REMOVABLE TAPE
4-INCH (YELLOW)
4-INCH (WHITE)
STA 231+50 TO STA 297+00

COVER SIGN TYPE II

EXIT
65

R/L IH 94 EB

R/L RAMP 'D'

RAMP 'D' 270'D'

CLOSED

272'D'

270'C'

274'C'

RAMP 'C'

CLOSED

272'C'

INSTALL
CONC. BARRIER
TEMP. PRECAST
STA 246+50 TO STA 293+00

REMOVE PAV'T MARKING
4-INCH (WHITE)
STA 231+50 TO STA 297+00

COVER SIGN TYPE II

R/L RAMP 'C'

34'SB' 34'NB' 32'SB' 32'NB' 28'SB' 28'NB' 26'SB' 26'NB'

STH 37 SB STH 37 NB

SIGN

LEGEND

- POST MOUNTED SIGN
- BARRICADES TYPE III WITHOUT, WITH SIGN (8' EQUIVALENT)
- CONSTRUCTION THIS STAGE
- PREVIOUSLY CONSTRUCTED
- TRAFFIC
- CONCRETE BARRIER TEMPORARY
- TEMPORARY PAVEMENT MARKING
- DRUM
- DRUM WITH WARNING LIGHT TYPE C
- FLEXIBLE TUBULAR MARKER AND BASE
- TEMPORARY DELINEATOR

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CONSTRUCTION STAGING - STAGE 3B	SHEET 235	E

FILE NAME : ...\CH_0803_026332_S3B.dgn PLOT DATE : 1/31/2013 PLOT BY : SEH PLOT NAME : PLOT SCALE : N/A

2

EXIT 65

37

Eau Claire
Mondovi

0 50 100
SCALE IN FEET

COVER SIGN TYPE II

EXIT 65

EXIT 30 MPH

COVER SIGN TYPE II

USE SDD "TRAFFIC CONTROL, EXIT RAMP CLOSURE"

COVER SIGN TYPE I

INSTALL
CONC. BARRIER
TEMP. PRECAST
STA 255+00 TO STA 301+00

TEMP. PAV'T MARKING
REMOVABLE TAPE
4-INCH (YELLOW)
4-INCH (WHITE)
STA 255+00 TO STA 316+50

REMOVE PAV'T MARKING
4-INCH (WHITE)
STA 287+00 TO STA 316+50

R/L RAMP 'B'

RAMP 'B' CLOSED

276'B' 278'B' 280'B' 282'B' 284'B' 286'B'

R/L IH 94 WB

276'WB 278'WB 280'WB 282'WB 284'WB IH 94 WB 286'WB 288'WB 290'WB

MATCH LINE STA 275'EB+00

TEMPORARY ASPHALT SHOULDER WIDENING
CONSTRUCTED IN STAGE 3A

276'EB' 278'EB' 280'EB' 282'EB' 284'EB' 286'EB' 288'EB' 290

MATCH LINE STA 290'EB+00

278'C' 280'C' 282'C' 284'C' IH 94 EB 286'C'

RAMP 'C' CLOSED

R/L RAMP 'C'

USE SDD "TRAFFIC CONTROL, SHOULDER CLOSURE, ON DIVIDED HIGHWAY SPEEDS GREATER THAN 40 MPH" FOR RIGHT SHOULDER CLOSURE TO STA 290'EB'

R/L IH 94 EB

INSTALL
CONC. BARRIER
TEMP. PRECAST
STA 246+50 TO STA 293+00

TEMP. PAV'T MARKING
REMOVABLE TAPE
4-INCH (YELLOW)
4-INCH (WHITE)
STA 231+50 TO STA 297+00

REMOVE PAV'T MARKING
4-INCH (WHITE)
STA 231+50 TO STA 297+00

SILVER SPRINGS DR.

LEGEND

- POST MOUNTED SIGN
- BARRICADES TYPE III WITHOUT, WITH SIGN (8' EQUIVALENT)
- CONSTRUCTION THIS STAGE
- PREVIOUSLY CONSTRUCTED
- TRAFFIC
- CONCRETE BARRIER TEMPORARY
- TEMPORARY PAVEMENT MARKING
- DRUM
- DRUM WITH WARNING LIGHT TYPE C
- FLEXIBLE TUBULAR MARKER AND BASE
- TEMPORARY DELINEATOR

CONSTRUCTION

CONSTRUCT PROPOSED INSIDE LANE OF IH 94 EB AND WB FROM WEST PROJECT LIMITS TO EAST OF STH 37

CONTINUE WIDENING ON STRUCTURES B-18-25 AND B-18-29

CONSTRUCT TEMPORARY STH 37 RAMP CONNECTIONS

BEGIN CONSTRUCTING STH 37 NB AND RAMPS

CONTINUE TEMPORARY WB IH 94 PAVEMENT MEDIAN WIDENING ON IH 94 EB

TRAFFIC

SINGLE LANE TRAFFIC ON IH 94 EB AND WB FROM WEST PROJECT LIMITS TO EAST OF STH 37

MEDIAN SHOULDER CLOSURE ALONG IH 94 EB WITH LANE SHIFTS TO OUTSIDE

IH 94 WB MAINLINE ON EXISTING PAVEMENT EXCEPT BY STH 37

STH 37 RAMPS CLOSED

BI-DIRECTIONAL TRAFFIC ON STH 37 SB

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CONSTRUCTION STAGING - STAGE 3B	SHEET 236	E

CONSTRUCTION

CONSTRUCT PROPOSED INSIDE LANE OF IH 94 EB AND WB FROM WEST PROJECT LIMITS TO EAST OF STH 37

CONTINUE WIDENING ON STRUCTURES B-18-25 AND B-18-29

CONSTRUCT TEMPORARY STH 37 RAMP CONNECTIONS

BEGIN CONSTRUCTING STH 37 NB AND RAMPS

CONTINUE TEMPORARY WB IH 94 PAVEMENT MEDIAN WIDENING ON IH 94 EB

TRAFFIC

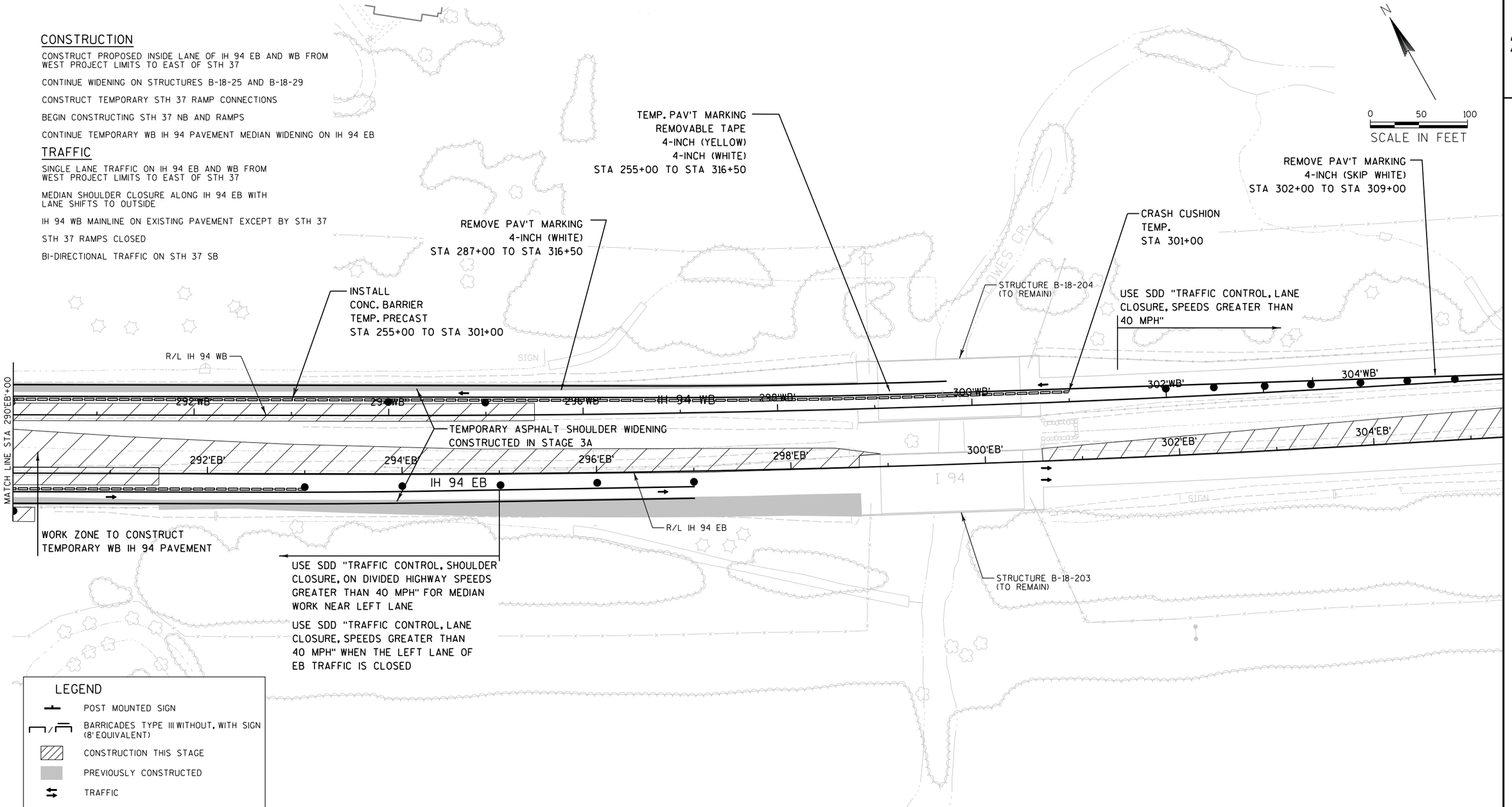
SINGLE LANE TRAFFIC ON IH 94 EB AND WB FROM WEST PROJECT LIMITS TO EAST OF STH 37

MEDIAN SHOULDER CLOSURE ALONG IH 94 EB WITH LANE SHIFTS TO OUTSIDE

IH 94 WB MAINLINE ON EXISTING PAVEMENT EXCEPT BY STH 37

STH 37 RAMPS CLOSED

BI-DIRECTIONAL TRAFFIC ON STH 37 SB



PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CONSTRUCTION STAGING - STAGE 3B	SHEET 237	E

2

CONSTRUCTION

CONSTRUCT PROPOSED INSIDE LANE OF IH 94 EB AND WB FROM WEST PROJECT LIMITS TO EAST OF STH 37

CONTINUE WIDENING ON STRUCTURES B-18-25 AND B-18-29

CONSTRUCT TEMPORARY STH 37 RAMP CONNECTIONS

BEGIN CONSTRUCTING STH 37 NB AND RAMPS

CONTINUE TEMPORARY WB IH 94 PAVEMENT MEDIAN WIDENING ON IH 94 EB

TRAFFIC

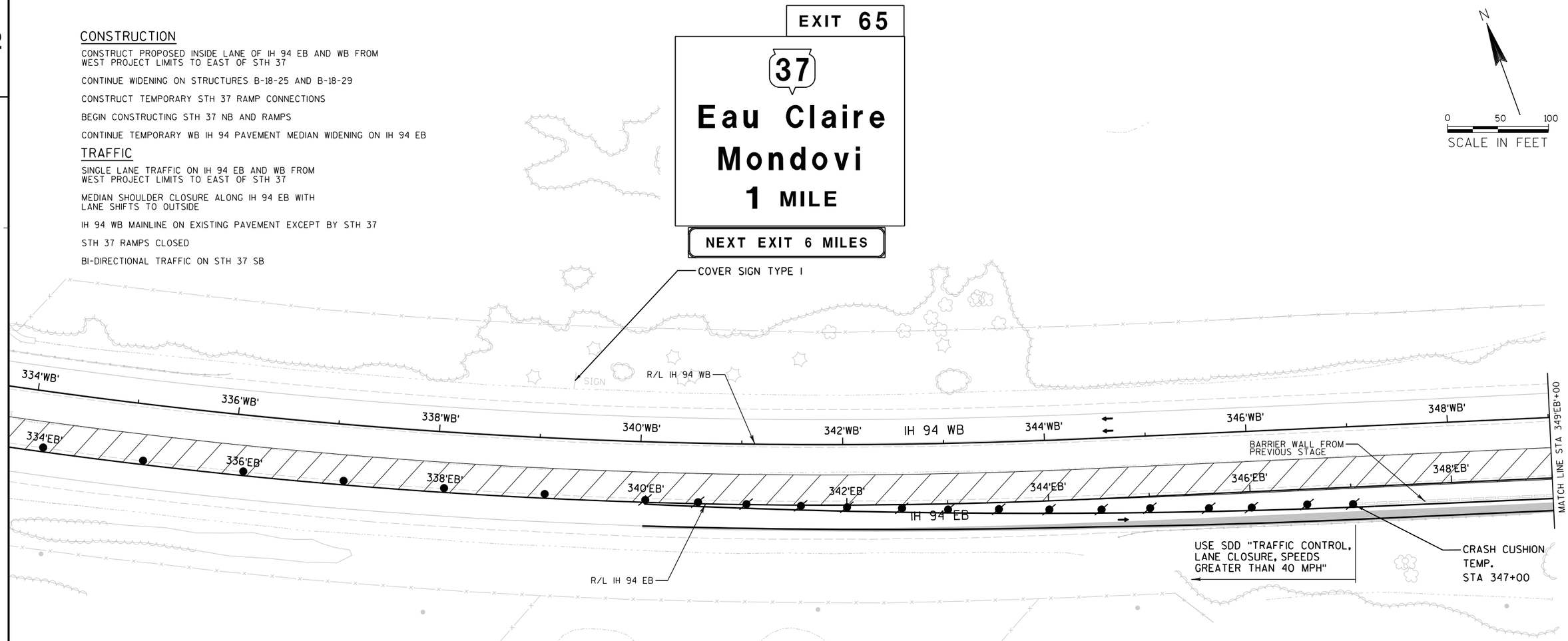
SINGLE LANE TRAFFIC ON IH 94 EB AND WB FROM WEST PROJECT LIMITS TO EAST OF STH 37

MEDIAN SHOULDER CLOSURE ALONG IH 94 EB WITH LANE SHIFTS TO OUTSIDE

IH 94 WB MAINLINE ON EXISTING PAVEMENT EXCEPT BY STH 37

STH 37 RAMPS CLOSED

BI-DIRECTIONAL TRAFFIC ON STH 37 SB



LEGEND

- POST MOUNTED SIGN
- BARRICADES TYPE III WITHOUT, WITH SIGN (8' EQUIVALENT)
- CONSTRUCTION THIS STAGE
- PREVIOUSLY CONSTRUCTED
- TRAFFIC
- CONCRETE BARRIER TEMPORARY
- TEMPORARY PAVEMENT MARKING
- DRUM
- DRUM WITH WARNING LIGHT TYPE C
- FLEXIBLE TUBULAR MARKER AND BASE
- TEMPORARY DELINEATOR

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CONSTRUCTION STAGING - STAGE 3B	SHEET 238	E

FILE NAME : ...\CH_0803_026337_S3B.dgn PLOT DATE : 1/31/2013 PLOT BY : SEH PLOT NAME : PLOT SCALE : N/A

2

CONSTRUCTION

CONSTRUCT PROPOSED INSIDE LANE OF IH 94 EB AND WB FROM WEST PROJECT LIMITS TO EAST OF STH 37

CONTINUE WIDENING ON STRUCTURES B-18-25 AND B-18-29

CONSTRUCT TEMPORARY STH 37 RAMP CONNECTIONS

BEGIN CONSTRUCTING STH 37 NB AND RAMPS

CONTINUE TEMPORARY WB IH 94 PAVEMENT MEDIAN WIDENING ON IH 94 EB

TRAFFIC

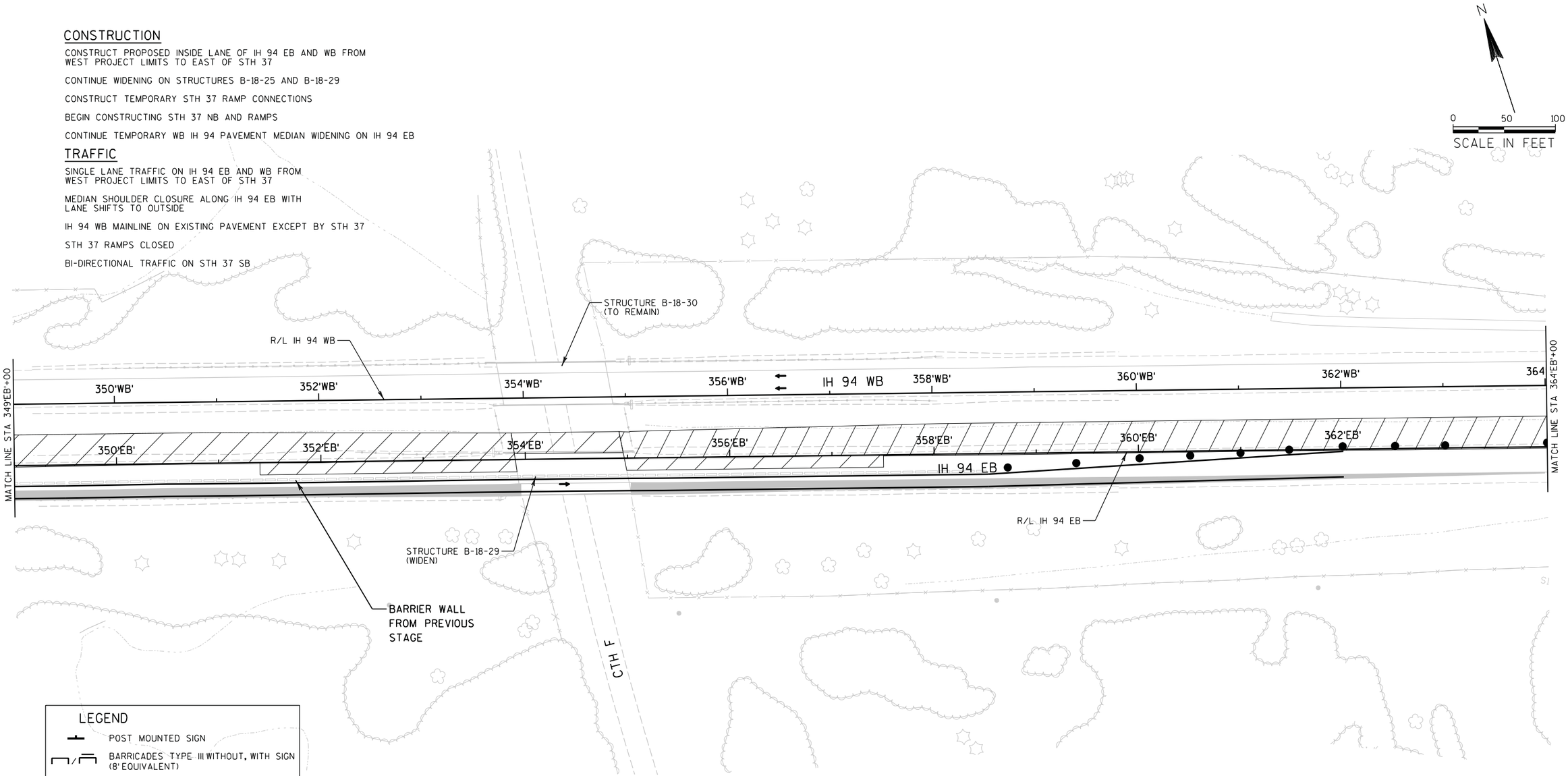
SINGLE LANE TRAFFIC ON IH 94 EB AND WB FROM WEST PROJECT LIMITS TO EAST OF STH 37

MEDIAN SHOULDER CLOSURE ALONG IH 94 EB WITH LANE SHIFTS TO OUTSIDE

IH 94 WB MAINLINE ON EXISTING PAVEMENT EXCEPT BY STH 37

STH 37 RAMPS CLOSED

BI-DIRECTIONAL TRAFFIC ON STH 37 SB



LEGEND

- POST MOUNTED SIGN
- BARRICADES TYPE III WITHOUT, WITH SIGN (8' EQUIVALENT)
- CONSTRUCTION THIS STAGE
- PREVIOUSLY CONSTRUCTED
- TRAFFIC
- CONCRETE BARRIER TEMPORARY
- TEMPORARY PAVEMENT MARKING
- DRUM
- DRUM WITH WARNING LIGHT TYPE C
- FLEXIBLE TUBULAR MARKER AND BASE
- TEMPORARY DELINEATOR

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CONSTRUCTION STAGING - STAGE 3B	SHEET 239	E

2

CONSTRUCTION

CONSTRUCT PROPOSED INSIDE LANE OF IH 94 EB AND WB FROM WEST PROJECT LIMITS TO EAST OF STH 37

CONTINUE WIDENING ON STRUCTURES B-18-25 AND B-18-29

CONSTRUCT TEMPORARY STH 37 RAMP CONNECTIONS

BEGIN CONSTRUCTING STH 37 NB AND RAMPS

CONTINUE TEMPORARY WB IH 94 PAVEMENT MEDIAN WIDENING ON IH 94 EB

TRAFFIC

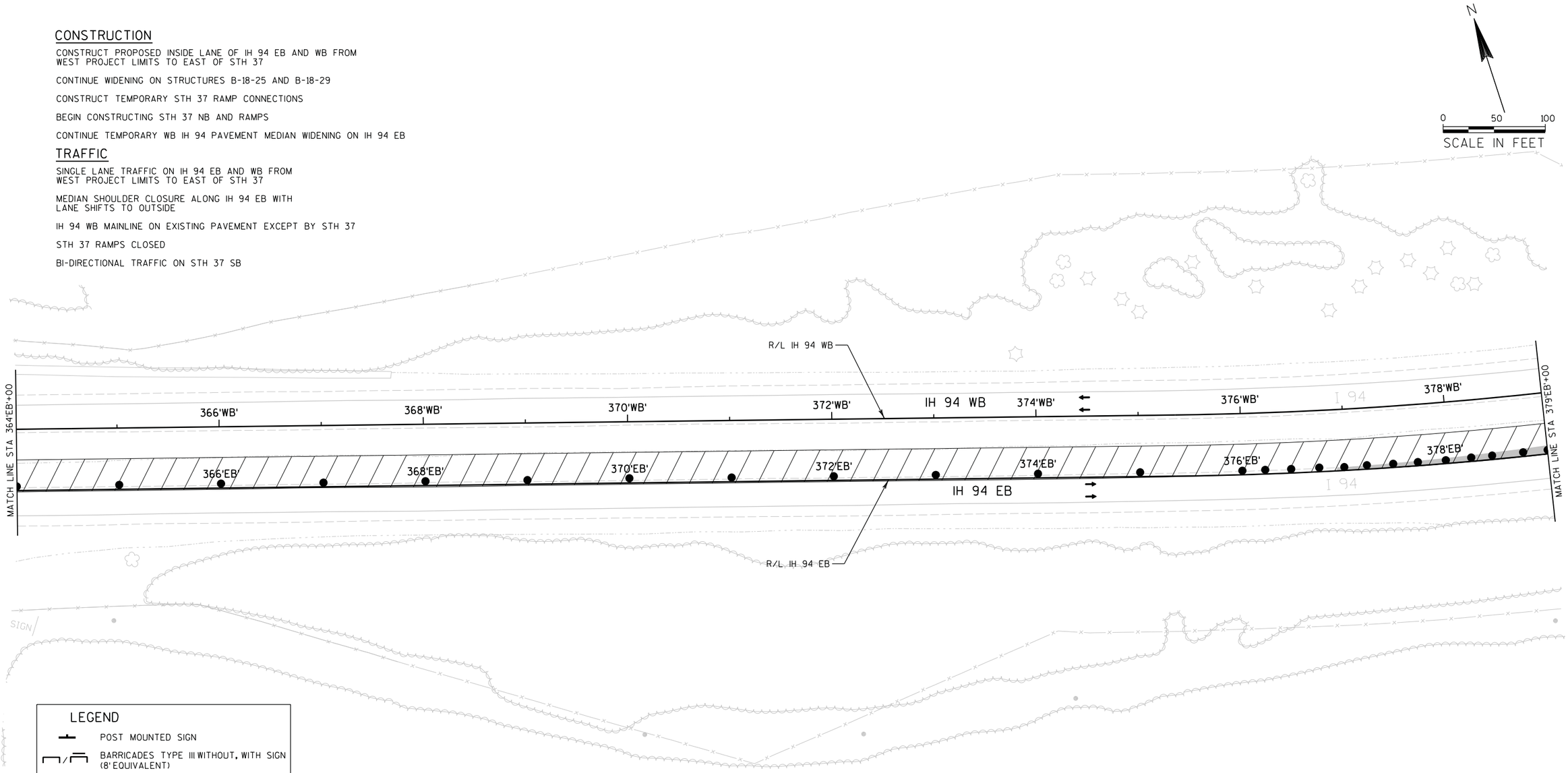
SINGLE LANE TRAFFIC ON IH 94 EB AND WB FROM WEST PROJECT LIMITS TO EAST OF STH 37

MEDIAN SHOULDER CLOSURE ALONG IH 94 EB WITH LANE SHIFTS TO OUTSIDE

IH 94 WB MAINLINE ON EXISTING PAVEMENT EXCEPT BY STH 37

STH 37 RAMPS CLOSED

BI-DIRECTIONAL TRAFFIC ON STH 37 SB



LEGEND

- POST MOUNTED SIGN
- BARRICADES TYPE III WITHOUT, WITH SIGN (8' EQUIVALENT)
- CONSTRUCTION THIS STAGE
- PREVIOUSLY CONSTRUCTED
- TRAFFIC
- CONCRETE BARRIER TEMPORARY
- TEMPORARY PAVEMENT MARKING
- DRUM
- DRUM WITH WARNING LIGHT TYPE C
- FLEXIBLE TUBULAR MARKER AND BASE
- TEMPORARY DELINEATOR

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CONSTRUCTION STAGING - STAGE 3B	SHEET 240	E

CONSTRUCTION

CONSTRUCT PROPOSED INSIDE LANE OF IH 94 EB AND WB FROM WEST PROJECT LIMITS TO EAST OF STH 37

CONTINUE WIDENING ON STRUCTURES B-18-25 AND B-18-29

CONSTRUCT TEMPORARY STH 37 RAMP CONNECTIONS

BEGIN CONSTRUCTING STH 37 NB AND RAMPS

CONTINUE TEMPORARY WB IH 94 PAVEMENT MEDIAN WIDENING ON IH 94 EB

TRAFFIC

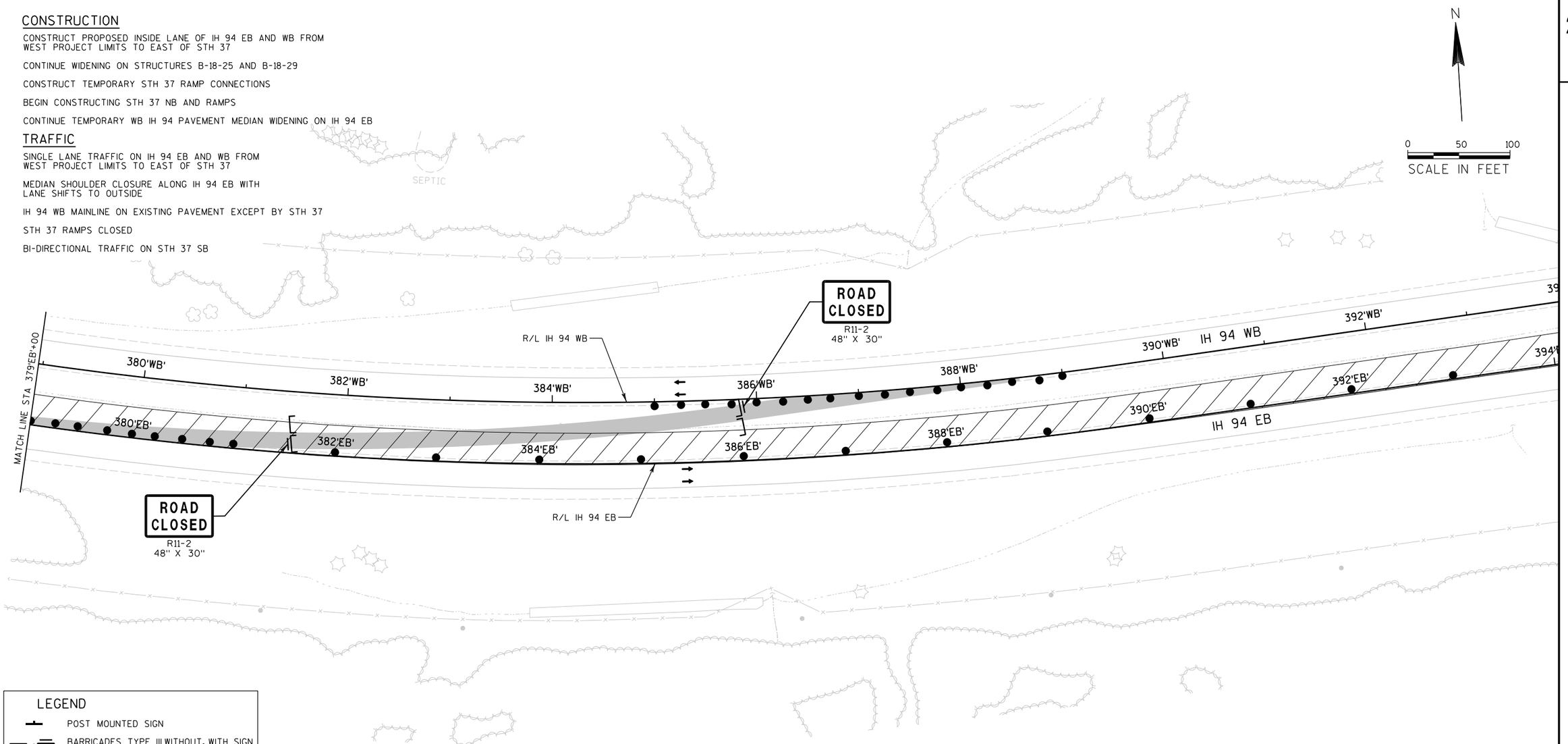
SINGLE LANE TRAFFIC ON IH 94 EB AND WB FROM WEST PROJECT LIMITS TO EAST OF STH 37

MEDIAN SHOULDER CLOSURE ALONG IH 94 EB WITH LANE SHIFTS TO OUTSIDE

IH 94 WB MAINLINE ON EXISTING PAVEMENT EXCEPT BY STH 37

STH 37 RAMPS CLOSED

BI-DIRECTIONAL TRAFFIC ON STH 37 SB



LEGEND

- POST MOUNTED SIGN
- BARRICADES TYPE III WITHOUT, WITH SIGN (8' EQUIVALENT)
- CONSTRUCTION THIS STAGE
- PREVIOUSLY CONSTRUCTED
- TRAFFIC
- CONCRETE BARRIER TEMPORARY
- TEMPORARY PAVEMENT MARKING
- DRUM
- DRUM WITH WARNING LIGHT TYPE C
- FLEXIBLE TUBULAR MARKER AND BASE
- TEMPORARY DELINEATOR

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CONSTRUCTION STAGING - STAGE 3B	SHEET 241	E

2

CONSTRUCTION

CONSTRUCT PROPOSED INSIDE LANE OF IH 94 EB AND WB FROM WEST PROJECT LIMITS TO EAST OF STH 37

CONTINUE WIDENING ON STRUCTURES B-18-25 AND B-18-29

CONSTRUCT TEMPORARY STH 37 RAMP CONNECTIONS

BEGIN CONSTRUCTING STH 37 NB AND RAMPS

CONTINUE TEMPORARY WB IH 94 PAVEMENT MEDIAN WIDENING ON IH 94 EB

TRAFFIC

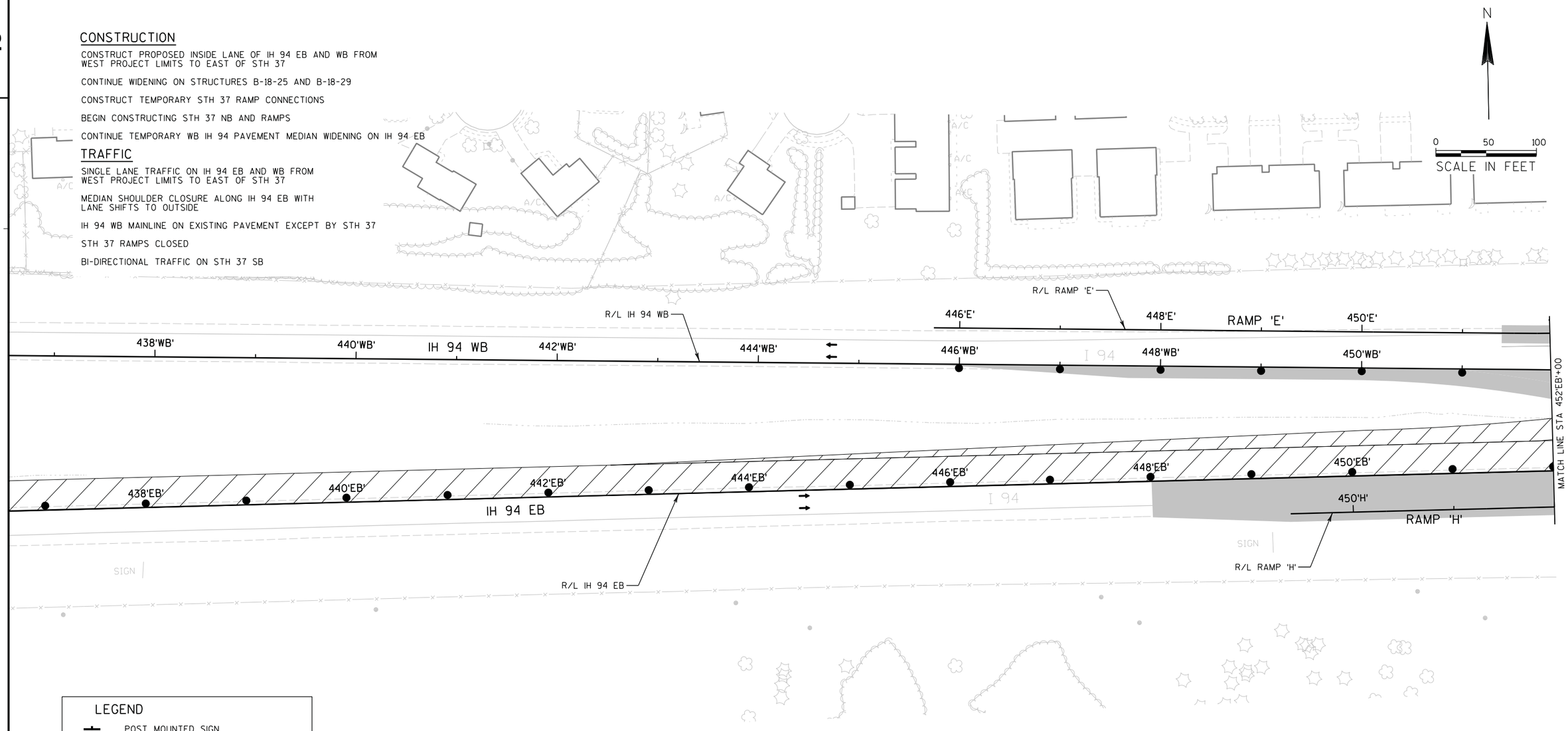
SINGLE LANE TRAFFIC ON IH 94 EB AND WB FROM WEST PROJECT LIMITS TO EAST OF STH 37

MEDIAN SHOULDER CLOSURE ALONG IH 94 EB WITH LANE SHIFTS TO OUTSIDE

IH 94 WB MAINLINE ON EXISTING PAVEMENT EXCEPT BY STH 37

STH 37 RAMPS CLOSED

BI-DIRECTIONAL TRAFFIC ON STH 37 SB



LEGEND

- POST MOUNTED SIGN
- BARRICADES TYPE III WITHOUT, WITH SIGN (8' EQUIVALENT)
- CONSTRUCTION THIS STAGE
- PREVIOUSLY CONSTRUCTED
- TRAFFIC
- CONCRETE BARRIER TEMPORARY
- TEMPORARY PAVEMENT MARKING
- DRUM
- DRUM WITH WARNING LIGHT TYPE C
- FLEXIBLE TUBULAR MARKER AND BASE
- TEMPORARY DELINEATOR

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CONSTRUCTION STAGING - STAGE 3B	SHEET 242	E

FILE NAME : ...\CH_0803_026344_S3B.dgn PLOT DATE : 1/31/2013 PLOT BY : SEH PLOT NAME : PLOT SCALE : N/A

2

CONSTRUCTION

CONSTRUCT PROPOSED INSIDE LANE OF IH 94 EB AND WB FROM WEST PROJECT LIMITS TO EAST OF STH 37

CONTINUE WIDENING ON STRUCTURES B-18-25 AND B-18-29

CONSTRUCT TEMPORARY STH 37 RAMP CONNECTIONS

BEGIN CONSTRUCTING STH 37 NB AND RAMPS

CONTINUE TEMPORARY WB IH 94 PAVEMENT MEDIAN WIDENING ON IH 94 EB

TRAFFIC

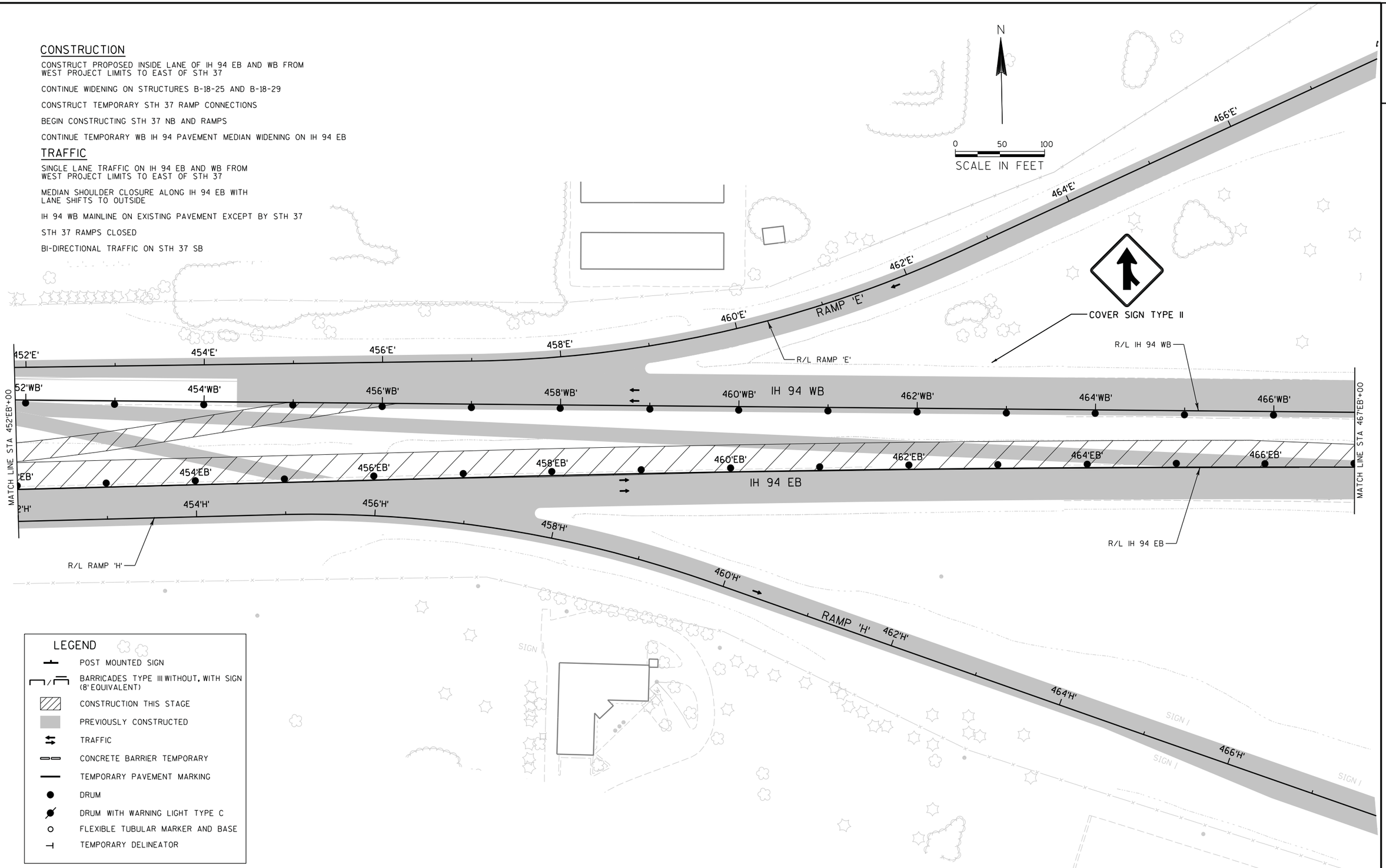
SINGLE LANE TRAFFIC ON IH 94 EB AND WB FROM WEST PROJECT LIMITS TO EAST OF STH 37

MEDIAN SHOULDER CLOSURE ALONG IH 94 EB WITH LANE SHIFTS TO OUTSIDE

IH 94 WB MAINLINE ON EXISTING PAVEMENT EXCEPT BY STH 37

STH 37 RAMPS CLOSED

BI-DIRECTIONAL TRAFFIC ON STH 37 SB



LEGEND

- POST MOUNTED SIGN
- BARRICADES TYPE III WITHOUT, WITH SIGN (8' EQUIVALENT)
- CONSTRUCTION THIS STAGE
- PREVIOUSLY CONSTRUCTED
- TRAFFIC
- CONCRETE BARRIER TEMPORARY
- TEMPORARY PAVEMENT MARKING
- DRUM
- DRUM WITH WARNING LIGHT TYPE C
- FLEXIBLE TUBULAR MARKER AND BASE
- TEMPORARY DELINEATOR

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CONSTRUCTION STAGING - STAGE 3B	SHEET 243	E

FILE NAME : ...\CH_0803_026345_S3B.dgn PLOT DATE : 1/31/2013 PLOT BY : SEH PLOT NAME : PLOT SCALE : N/A

2

2

CONSTRUCTION

CONSTRUCT PROPOSED INSIDE LANE OF IH 94 EB AND WB FROM WEST PROJECT LIMITS TO EAST OF STH 37

CONTINUE WIDENING ON STRUCTURES B-18-25 AND B-18-29

CONSTRUCT TEMPORARY STH 37 RAMP CONNECTIONS

BEGIN CONSTRUCTING STH 37 NB AND RAMPS

CONTINUE TEMPORARY WB IH 94 PAVEMENT MEDIAN WIDENING ON IH 94 EB

TRAFFIC

SINGLE LANE TRAFFIC ON IH 94 EB AND WB FROM WEST PROJECT LIMITS TO EAST OF STH 37

MEDIAN SHOULDER CLOSURE ALONG IH 94 EB WITH LANE SHIFTS TO OUTSIDE

IH 94 WB MAINLINE ON EXISTING PAVEMENT EXCEPT BY STH 37

STH 37 RAMPS CLOSED

BI-DIRECTIONAL TRAFFIC ON STH 37 SB

N

0 50 100

SCALE IN FEET

468'F' 470'F' 472'F' 474'F' RAMP 'F' 476'F' 478'F' 480'F'

R/L RAMP 'F'

STRUCTURE B-18-119 (TO REMAIN)

R/L IH 94 WB

468'WB' 470'WB' 472'WB' IH 94 WB 474'WB' 476'WB' 478'WB' 480'WB'

MATCH LINE STA 467'EB+00

MATCH LINE STA 481'EB+00

468'EB' 470'EB' 472'EB' 474'EB' 476'EB' 478'EB' 480'EB'

IH 94 EB

R/L IH 94 EB

480'G' 478'G' 476'G' RAMP 'G' 474'G' 472'G' 470'G'

R/L RAMP 'G'

END ROAD WORK

G20-2A 48" X 24"

STRUCTURE B-18-34 (TO REMAIN)

STH 93

468'H' 470'H' 468'G'

LEGEND

- POST MOUNTED SIGN
- BARRICADES TYPE III WITHOUT, WITH SIGN (8' EQUIVALENT)
- CONSTRUCTION THIS STAGE
- PREVIOUSLY CONSTRUCTED
- TRAFFIC
- CONCRETE BARRIER TEMPORARY
- TEMPORARY PAVEMENT MARKING
- DRUM
- DRUM WITH WARNING LIGHT TYPE C
- FLEXIBLE TUBULAR MARKER AND BASE
- TEMPORARY DELINEATOR

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CONSTRUCTION STAGING - STAGE 3B	SHEET 244	E

CONSTRUCTION

CONSTRUCT PROPOSED INSIDE LANE OF IH 94 EB AND WB FROM WEST PROJECT LIMITS TO EAST OF STH 37

CONTINUE WIDENING ON STRUCTURES B-18-25 AND B-18-29

CONSTRUCT TEMPORARY STH 37 RAMP CONNECTIONS

BEGIN CONSTRUCTING STH 37 NB AND RAMPS

CONTINUE TEMPORARY WB IH 94 PAVEMENT MEDIAN WIDENING ON IH 94 EB

TRAFFIC

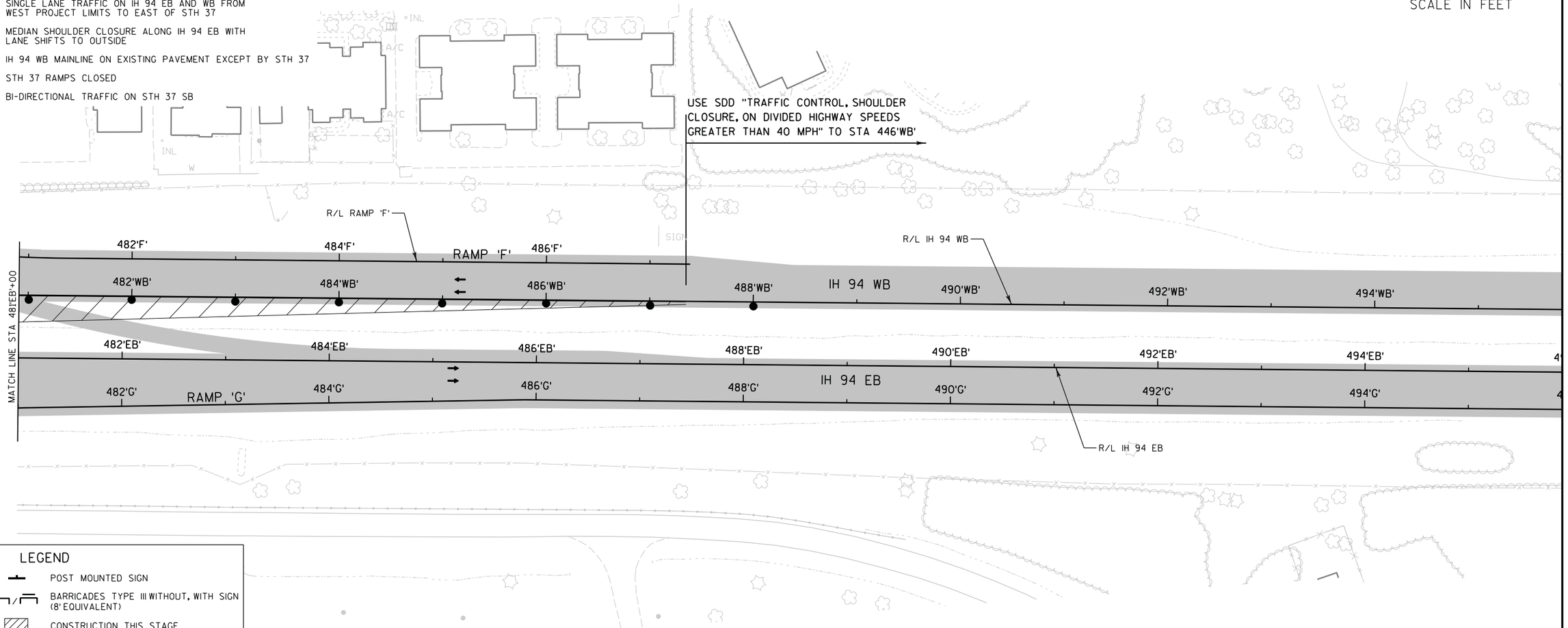
SINGLE LANE TRAFFIC ON IH 94 EB AND WB FROM WEST PROJECT LIMITS TO EAST OF STH 37

MEDIAN SHOULDER CLOSURE ALONG IH 94 EB WITH LANE SHIFTS TO OUTSIDE

IH 94 WB MAINLINE ON EXISTING PAVEMENT EXCEPT BY STH 37

STH 37 RAMPS CLOSED

BI-DIRECTIONAL TRAFFIC ON STH 37 SB



LEGEND

- POST MOUNTED SIGN
- BARRICADES TYPE III WITHOUT, WITH SIGN (8' EQUIVALENT)
- CONSTRUCTION THIS STAGE
- PREVIOUSLY CONSTRUCTED
- TRAFFIC
- CONCRETE BARRIER TEMPORARY
- TEMPORARY PAVEMENT MARKING
- DRUM
- DRUM WITH WARNING LIGHT TYPE C
- FLEXIBLE TUBULAR MARKER AND BASE
- TEMPORARY DELINEATOR

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CONSTRUCTION STAGING - STAGE 3B	SHEET 245	E

2

CONSTRUCTION

CONSTRUCT PROPOSED INSIDE LANE OF IH 94 EB AND WB FROM WEST PROJECT LIMITS TO EAST OF STH 37

CONTINUE WIDENING ON STRUCTURES B-18-25 AND B-18-29

CONSTRUCT TEMPORARY STH 37 RAMP CONNECTIONS

BEGIN CONSTRUCTING STH 37 NB AND RAMPS

CONTINUE TEMPORARY WB IH 94 PAVEMENT MEDIAN WIDENING ON IH 94 EB

TRAFFIC

SINGLE LANE TRAFFIC ON IH 94 EB AND WB FROM WEST PROJECT LIMITS TO EAST OF STH 37

MEDIAN SHOULDER CLOSURE ALONG IH 94 EB WITH LANE SHIFTS TO OUTSIDE

IH 94 WB MAINLINE ON EXISTING PAVEMENT EXCEPT BY STH 37

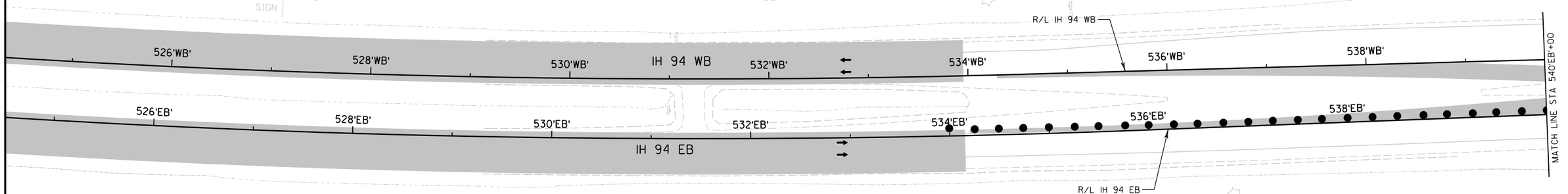
STH 37 RAMPS CLOSED

BI-DIRECTIONAL TRAFFIC ON STH 37 SB

N

0 50 100

SCALE IN FEET



LEGEND

- POST MOUNTED SIGN
- BARRICADES TYPE III WITHOUT, WITH SIGN (8' EQUIVALENT)
- CONSTRUCTION THIS STAGE
- PREVIOUSLY CONSTRUCTED
- TRAFFIC
- CONCRETE BARRIER TEMPORARY
- TEMPORARY PAVEMENT MARKING
- DRUM
- DRUM WITH WARNING LIGHT TYPE C
- FLEXIBLE TUBULAR MARKER AND BASE
- TEMPORARY DELINEATOR

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CONSTRUCTION STAGING - STAGE 3B	SHEET 246	E

2

CONSTRUCTION

CONSTRUCT PROPOSED INSIDE LANE OF IH 94 EB AND WB FROM WEST PROJECT LIMITS TO EAST OF STH 37

CONTINUE WIDENING ON STRUCTURES B-18-25 AND B-18-29

CONSTRUCT TEMPORARY STH 37 RAMP CONNECTIONS

BEGIN CONSTRUCTING STH 37 NB AND RAMPS

CONTINUE TEMPORARY WB IH 94 PAVEMENT MEDIAN WIDENING ON IH 94 EB

TRAFFIC

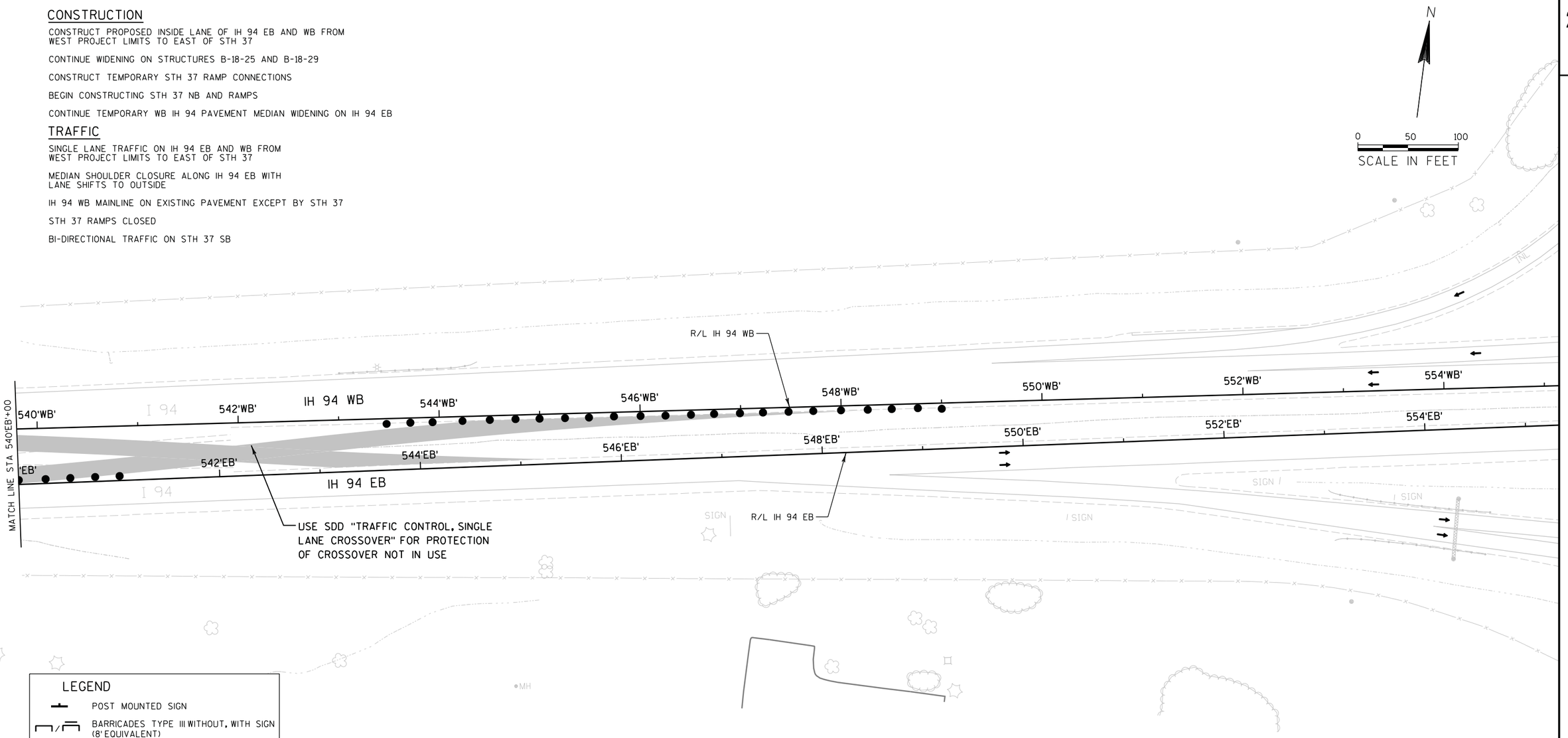
SINGLE LANE TRAFFIC ON IH 94 EB AND WB FROM WEST PROJECT LIMITS TO EAST OF STH 37

MEDIAN SHOULDER CLOSURE ALONG IH 94 EB WITH LANE SHIFTS TO OUTSIDE

IH 94 WB MAINLINE ON EXISTING PAVEMENT EXCEPT BY STH 37

STH 37 RAMPS CLOSED

BI-DIRECTIONAL TRAFFIC ON STH 37 SB



LEGEND

- POST MOUNTED SIGN
- BARRICADES TYPE III WITHOUT, WITH SIGN (8' EQUIVALENT)
- CONSTRUCTION THIS STAGE
- PREVIOUSLY CONSTRUCTED
- TRAFFIC
- CONCRETE BARRIER TEMPORARY
- TEMPORARY PAVEMENT MARKING
- DRUM
- DRUM WITH WARNING LIGHT TYPE C
- FLEXIBLE TUBULAR MARKER AND BASE
- TEMPORARY DELINEATOR

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CONSTRUCTION STAGING - STAGE 3B	SHEET 247	E

CONSTRUCTION

CONSTRUCT PROPOSED INSIDE LANE OF IH 94 EB AND WB FROM WEST PROJECT LIMITS TO EAST OF STH 37

CONTINUE WIDENING ON STRUCTURES B-18-25 AND B-18-29

CONSTRUCT TEMPORARY STH 37 RAMP CONNECTIONS

BEGIN CONSTRUCTING STH 37 NB AND RAMPS

CONTINUE TEMPORARY WB IH 94 PAVEMENT MEDIAN WIDENING ON IH 94 EB

TRAFFIC

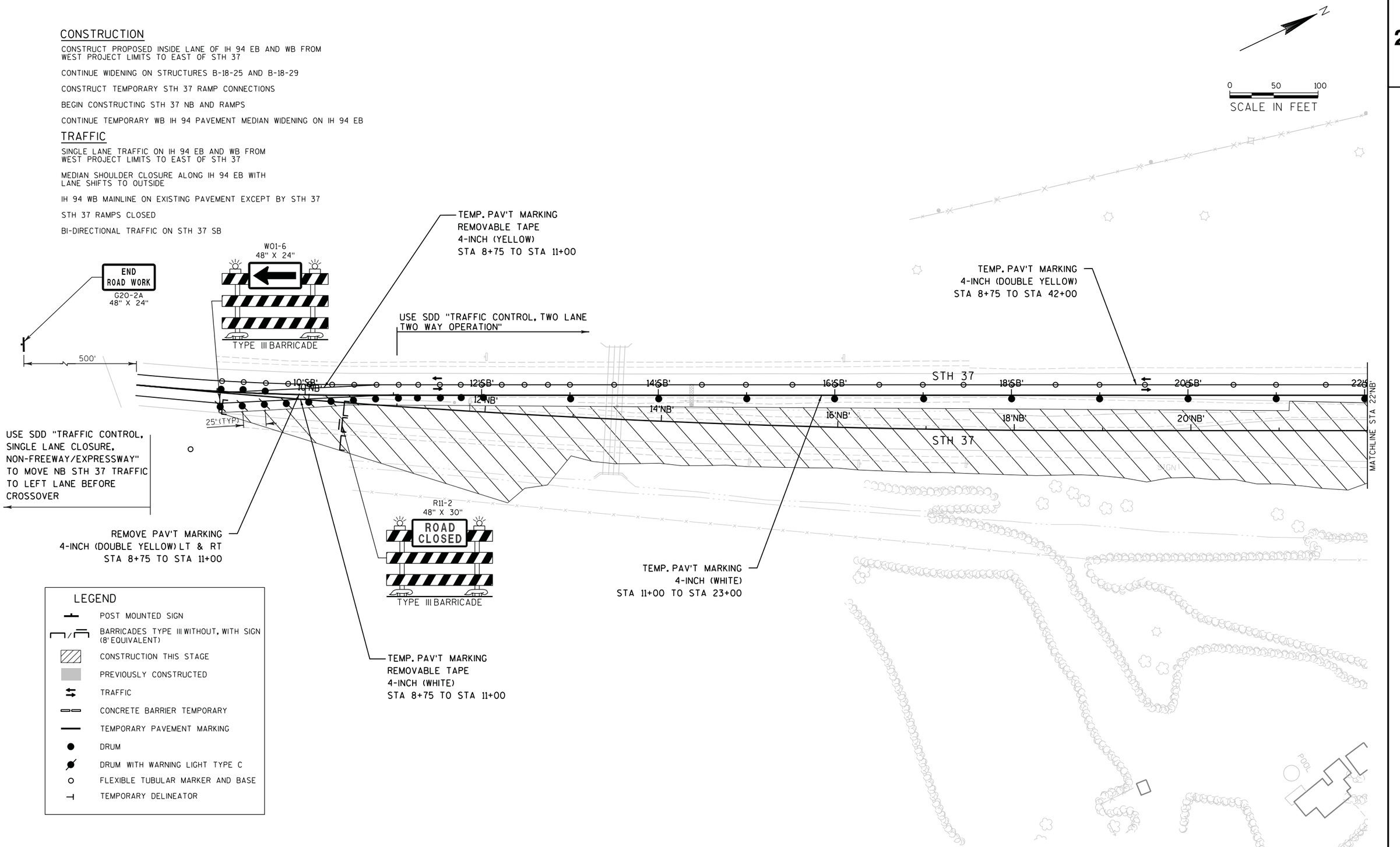
SINGLE LANE TRAFFIC ON IH 94 EB AND WB FROM WEST PROJECT LIMITS TO EAST OF STH 37

MEDIAN SHOULDER CLOSURE ALONG IH 94 EB WITH LANE SHIFTS TO OUTSIDE

IH 94 WB MAINLINE ON EXISTING PAVEMENT EXCEPT BY STH 37

STH 37 RAMPS CLOSED

BI-DIRECTIONAL TRAFFIC ON STH 37 SB



PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CONSTRUCTION STAGING - STAGE 3B	SHEET 248	E

CONSTRUCTION

CONSTRUCT PROPOSED INSIDE LANE OF IH 94 EB AND WB FROM WEST PROJECT LIMITS TO EAST OF STH 37

CONTINUE WIDENING ON STRUCTURES B-18-25 AND B-18-29

CONSTRUCT TEMPORARY STH 37 RAMP CONNECTIONS

BEGIN CONSTRUCTING STH 37 NB AND RAMPS

CONTINUE TEMPORARY WB IH 94 PAVEMENT MEDIAN WIDENING ON IH 94 EB

TRAFFIC

SINGLE LANE TRAFFIC ON IH 94 EB AND WB FROM WEST PROJECT LIMITS TO EAST OF STH 37

MEDIAN SHOULDER CLOSURE ALONG IH 94 EB WITH LANE SHIFTS TO OUTSIDE

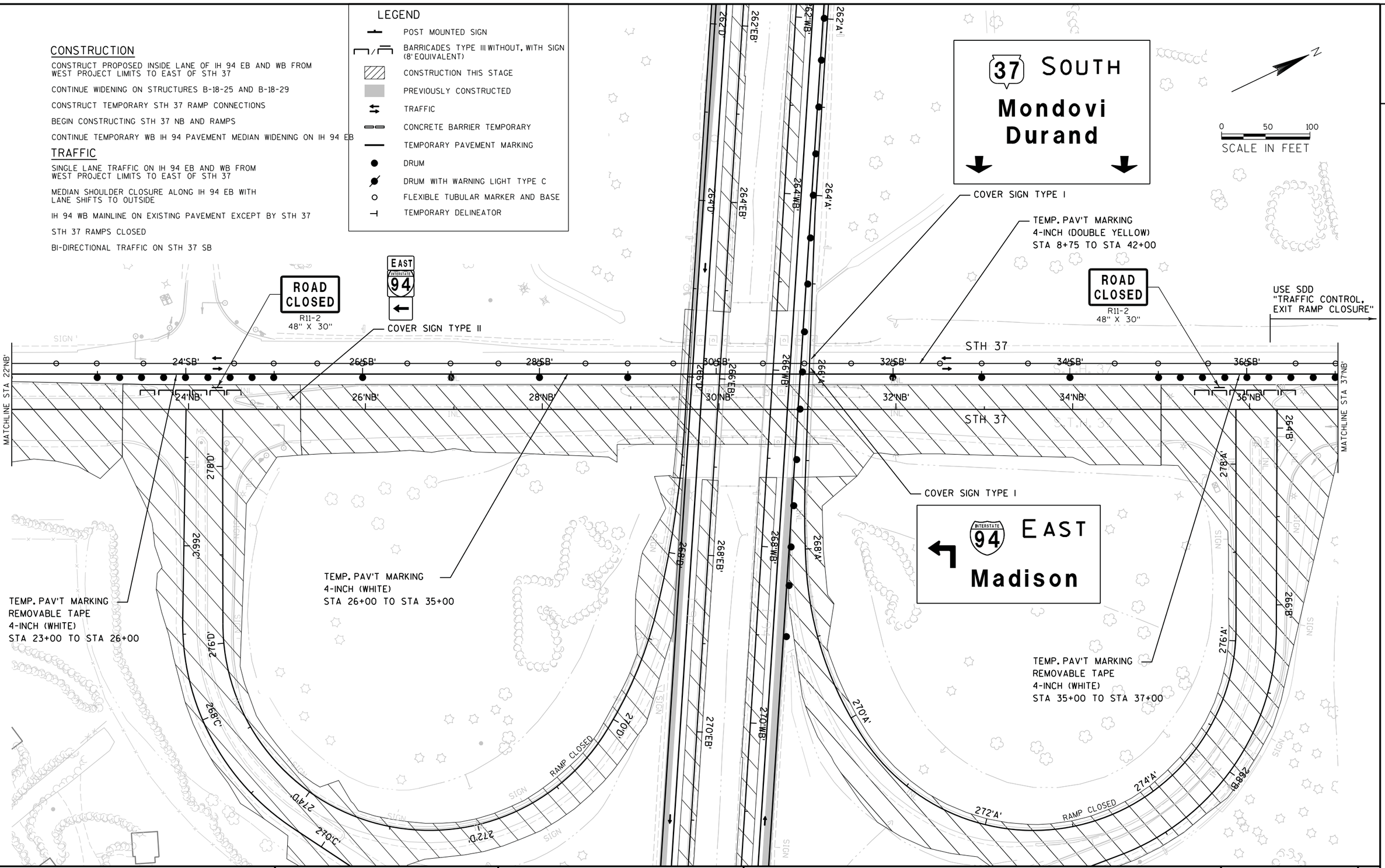
IH 94 WB MAINLINE ON EXISTING PAVEMENT EXCEPT BY STH 37

STH 37 RAMPS CLOSED

BI-DIRECTIONAL TRAFFIC ON STH 37 SB

LEGEND

- POST MOUNTED SIGN
- BARRICADES TYPE III WITHOUT, WITH SIGN (8' EQUIVALENT)
- CONSTRUCTION THIS STAGE
- PREVIOUSLY CONSTRUCTED
- TRAFFIC
- CONCRETE BARRIER TEMPORARY
- TEMPORARY PAVEMENT MARKING
- DRUM
- DRUM WITH WARNING LIGHT TYPE C
- FLEXIBLE TUBULAR MARKER AND BASE
- TEMPORARY DELINEATOR



PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CONSTRUCTION STAGING - STAGE 3B	SHEET 249	E

CONSTRUCTION

CONSTRUCT PROPOSED INSIDE LANE OF IH 94 EB AND WB FROM WEST PROJECT LIMITS TO EAST OF STH 37

CONTINUE WIDENING ON STRUCTURES B-18-25 AND B-18-29

CONSTRUCT TEMPORARY STH 37 RAMP CONNECTIONS

BEGIN CONSTRUCTING STH 37 NB AND RAMPS

CONTINUE TEMPORARY WB IH 94 PAVEMENT MEDIAN WIDENING ON IH 94 EB

TRAFFIC

SINGLE LANE TRAFFIC ON IH 94 EB AND WB FROM WEST PROJECT LIMITS TO EAST OF STH 37

MEDIAN SHOULDER CLOSURE ALONG IH 94 EB WITH LANE SHIFTS TO OUTSIDE

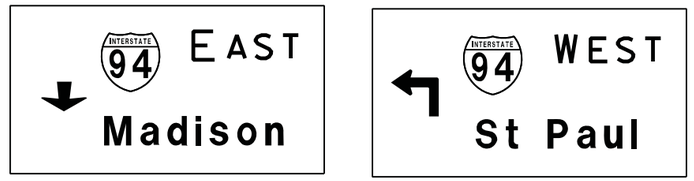
IH 94 WB MAINLINE ON EXISTING PAVEMENT EXCEPT BY STH 37

STH 37 RAMPS CLOSED

BI-DIRECTIONAL TRAFFIC ON STH 37 SB

N

0 50 100
SCALE IN FEET



COVER SIGNS TYPE II(4)



TEMP. PAV'T MARKING
4-INCH (DOUBLE YELLOW)
STA 8+75 TO STA 42+00

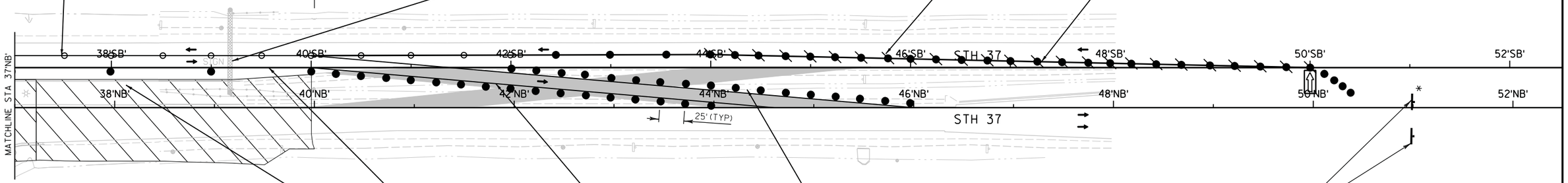
USE SDD "TRAFFIC CONTROL, TWO LANE TWO WAY OPERATION"

USE SDD "TRAFFIC CONTROL, SINGLE LANE CLOSURE, NON-FREEWAY/EXPRESSWAY" TO MOVE SB STH 37 TRAFFIC TO RIGHT LANE

COVER SIGN TYPE I — COVER SIGN TYPE I

REMOVE PAV'T MARKING
4-INCH (SKIP WHITE)
STA 44+00 TO STA 50+00

TEMP. PAV'T MARKING
REMOVABLE TAPE
4-INCH (YELLOW)
STA 42+00 TO STA 50+00



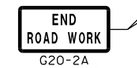
COVER SIGN TYPE II



TEMP. PAV'T MARKING
4-INCH (WHITE)
STA 37+00 TO STA 40+00

TEMP. PAV'T MARKING
REMOVABLE TAPE
4-INCH (WHITE)
STA 40+00 TO STA 44+50

TEMP. PAV'T MARKING
REMOVABLE TAPE
4-INCH (YELLOW)
STA 40+00 TO STA 60+00



G20-2A
48" X 24"

*PLACE SIGN IN TRAFFIC ISLAND

LEGEND

- POST MOUNTED SIGN
- BARRICADES TYPE III WITHOUT, WITH SIGN (8' EQUIVALENT)
- CONSTRUCTION THIS STAGE
- PREVIOUSLY CONSTRUCTED
- TRAFFIC
- CONCRETE BARRIER TEMPORARY
- TEMPORARY PAVEMENT MARKING
- DRUM
- DRUM WITH WARNING LIGHT TYPE C
- FLEXIBLE TUBULAR MARKER AND BASE
- TEMPORARY DELINEATOR



W12-52
48" X 48"

INSTALL W12-52 AT THE FOLLOWING I-94 WB LOCATIONS:
-EAST OF USH 53 INTERCHANGE
-USH 53/I-94 WB ON RAMP (2 SIGNS)
-EAST OF STH 93 INTERCHANGE
-STH 93/I-94 WB ON RAMP
-CHIPPEWA RIVER BRIDGE

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CONSTRUCTION STAGING - STAGE 3B	SHEET 250	E

2

CONSTRUCTION

CONSTRUCT PROPOSED OUTSIDE LANE OF IH 94 EB AND IH 94 WB FROM WEST PROJECT LIMITS TO EAST OF STH 37

CONSTRUCT WIDENING ON STRUCTURES B-18-25 AND B-18-29

CONSTRUCT STH 37 RAMPS

CONSTRUCT TEMPORARY MEDIAN WIDENING ON IH 94 EB

CONTINUE CONSTRUCTING STH 37 NB

TRAFFIC

SINGLE LANE TRAFFIC ON IH 94 EB AND IH 94 WB FROM WEST PROJECT LIMITS TO EAST OF STH 37

MEDIAN SHOULDER CLOSURE ALONG IH 94 EB WITH LANE SHIFTS TO OUTSIDE

IH 94 WB MAINLINE ON EXISTING PAVEMENT EXCEPT BY STH 37

STH 37 RAMPS CLOSED

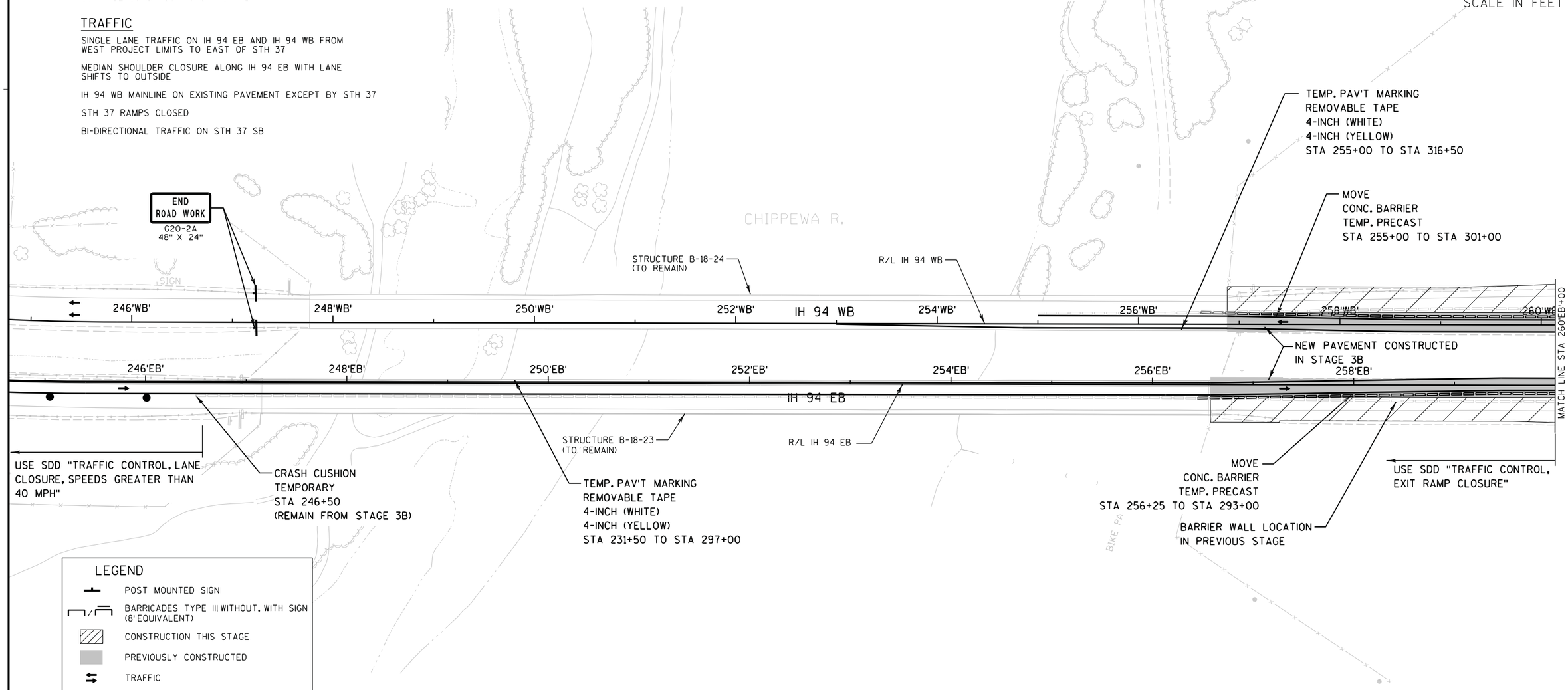
BI-DIRECTIONAL TRAFFIC ON STH 37 SB

NOTES

UPON COMPLETION OF STAGE 3C, USE A SINGLE LANE CLOSURE (LEFT LANE) FOR INSTALLATION OF RUMBLE STRIPS AND PERMANENT PAVEMENT MARKING

N

0 50 100
SCALE IN FEET



LEGEND

- POST MOUNTED SIGN
- BARRICADES TYPE III WITHOUT, WITH SIGN (8' EQUIVALENT)
- CONSTRUCTION THIS STAGE
- PREVIOUSLY CONSTRUCTED
- TRAFFIC
- CONCRETE BARRIER TEMPORARY
- TEMPORARY PAVEMENT MARKING
- DRUM
- DRUM WITH WARNING LIGHT TYPE C
- FLEXIBLE TUBULAR MARKER AND BASE
- TEMPORARY DELINEATOR

MAX. 12' WIDTH
W12-52
48" X 48"

INSTALL W12-52 AT THE FOLLOWING I-94 EB LOCATIONS:
-WEST OF STH 29 INTERCHANGE
-STH 29/I-94 EB ON RAMP
-WEST OF STH 312 INTERCHANGE
-STH 312/I-94 EB ON RAMP
-CHIPPEWA RIVER BRIDGE

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CONSTRUCTION STAGING - STAGE 3C	SHEET 251	E

2

CONSTRUCTION

CONSTRUCT PROPOSED OUTSIDE LANE OF IH 94 EB AND IH 94 WB FROM WEST PROJECT LIMITS TO EAST OF STH 37

CONSTRUCT WIDENING ON STRUCTURES B-18-25 AND B-18-29

CONSTRUCT STH 37 RAMPS

CONSTRUCT TEMPORARY MEDIAN WIDENING ON IH 94 EB

CONTINUE CONSTRUCTING STH 37 NB

TRAFFIC

SINGLE LANE TRAFFIC ON IH 94 EB AND IH 94 WB FROM WEST PROJECT LIMITS TO EAST OF STH 37

MEDIAN SHOULDER CLOSURE ALONG IH 94 EB WITH LANE SHIFTS TO OUTSIDE

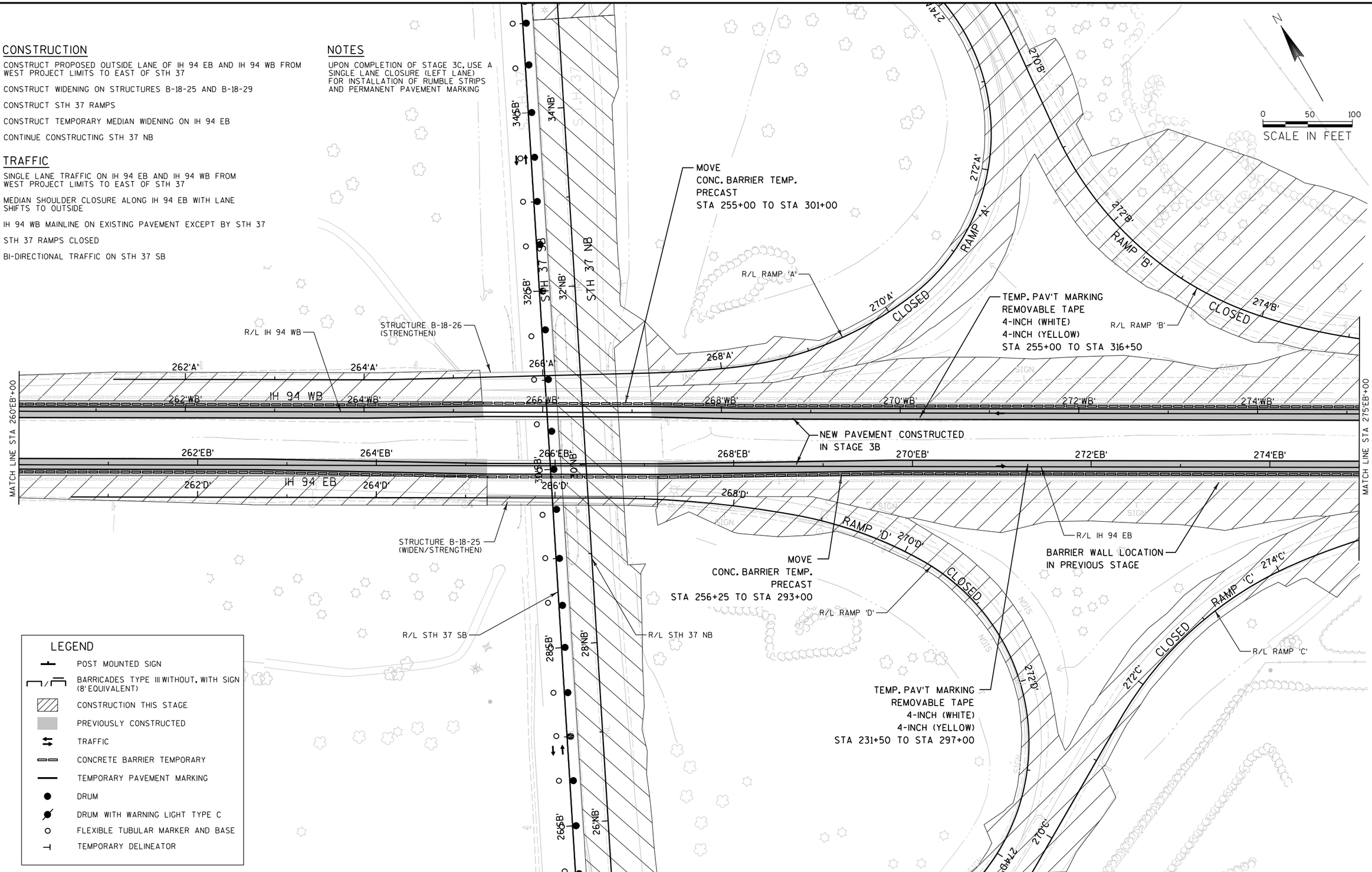
IH 94 WB MAINLINE ON EXISTING PAVEMENT EXCEPT BY STH 37

STH 37 RAMPS CLOSED

BI-DIRECTIONAL TRAFFIC ON STH 37 SB

NOTES

UPON COMPLETION OF STAGE 3C, USE A SINGLE LANE CLOSURE (LEFT LANE) FOR INSTALLATION OF RUMBLE STRIPS AND PERMANENT PAVEMENT MARKING

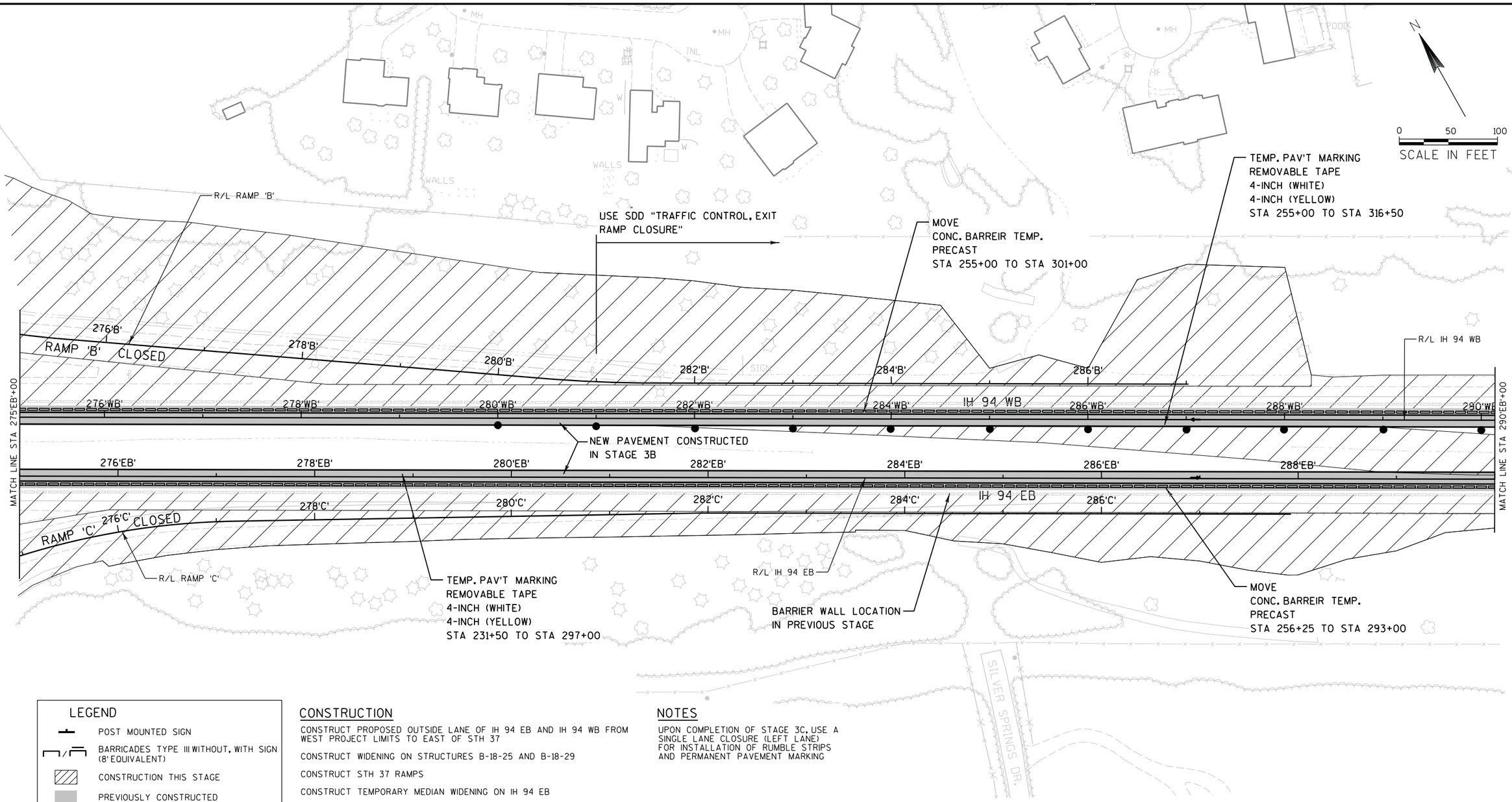


PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CONSTRUCTION STAGING - STAGE 3C	SHEET 252	E

FILE NAME : ...\CH_0803_026362_S3C.dgn PLOT DATE : 1/31/2013 PLOT BY : SEH PLOT NAME : PLOT SCALE : N/A

WISDOT/CADDS SHEET 42

2



LEGEND

- POST MOUNTED SIGN
- BARRICADES TYPE III WITHOUT, WITH SIGN (8' EQUIVALENT)
- CONSTRUCTION THIS STAGE
- PREVIOUSLY CONSTRUCTED
- TRAFFIC
- CONCRETE BARRIER TEMPORARY
- TEMPORARY PAVEMENT MARKING
- DRUM
- DRUM WITH WARNING LIGHT TYPE C
- FLEXIBLE TUBULAR MARKER AND BASE
- TEMPORARY DELINEATOR

CONSTRUCTION

CONSTRUCT PROPOSED OUTSIDE LANE OF IH 94 EB AND IH 94 WB FROM WEST PROJECT LIMITS TO EAST OF STH 37

CONSTRUCT WIDENING ON STRUCTURES B-18-25 AND B-18-29

CONSTRUCT STH 37 RAMPS

CONSTRUCT TEMPORARY MEDIAN WIDENING ON IH 94 EB

CONTINUE CONSTRUCTING STH 37 NB

TRAFFIC

SINGLE LANE TRAFFIC ON IH 94 EB AND IH 94 WB FROM WEST PROJECT LIMITS TO EAST OF STH 37

MEDIAN SHOULDER CLOSURE ALONG IH 94 EB WITH LANE SHIFTS TO OUTSIDE

IH 94 WB MAINLINE ON EXISTING PAVEMENT EXCEPT BY STH 37

STH 37 RAMPS CLOSED

BI-DIRECTIONAL TRAFFIC ON STH 37 SB

NOTES

UPON COMPLETION OF STAGE 3C, USE A SINGLE LANE CLOSURE (LEFT LANE) FOR INSTALLATION OF RUMBLE STRIPS AND PERMANENT PAVEMENT MARKING

CONSTRUCTION

CONSTRUCT PROPOSED OUTSIDE LANE OF IH 94 EB AND IH 94 WB FROM WEST PROJECT LIMITS TO EAST OF STH 37

CONSTRUCT WIDENING ON STRUCTURES B-18-25 AND B-18-29

CONSTRUCT STH 37 RAMPS

CONSTRUCT TEMPORARY MEDIAN WIDENING ON IH 94 EB

CONTINUE CONSTRUCTING STH 37 NB

TRAFFIC

SINGLE LANE TRAFFIC ON IH 94 EB AND IH 94 WB FROM WEST PROJECT LIMITS TO EAST OF STH 37

MEDIAN SHOULDER CLOSURE ALONG IH 94 EB WITH LANE SHIFTS TO OUTSIDE

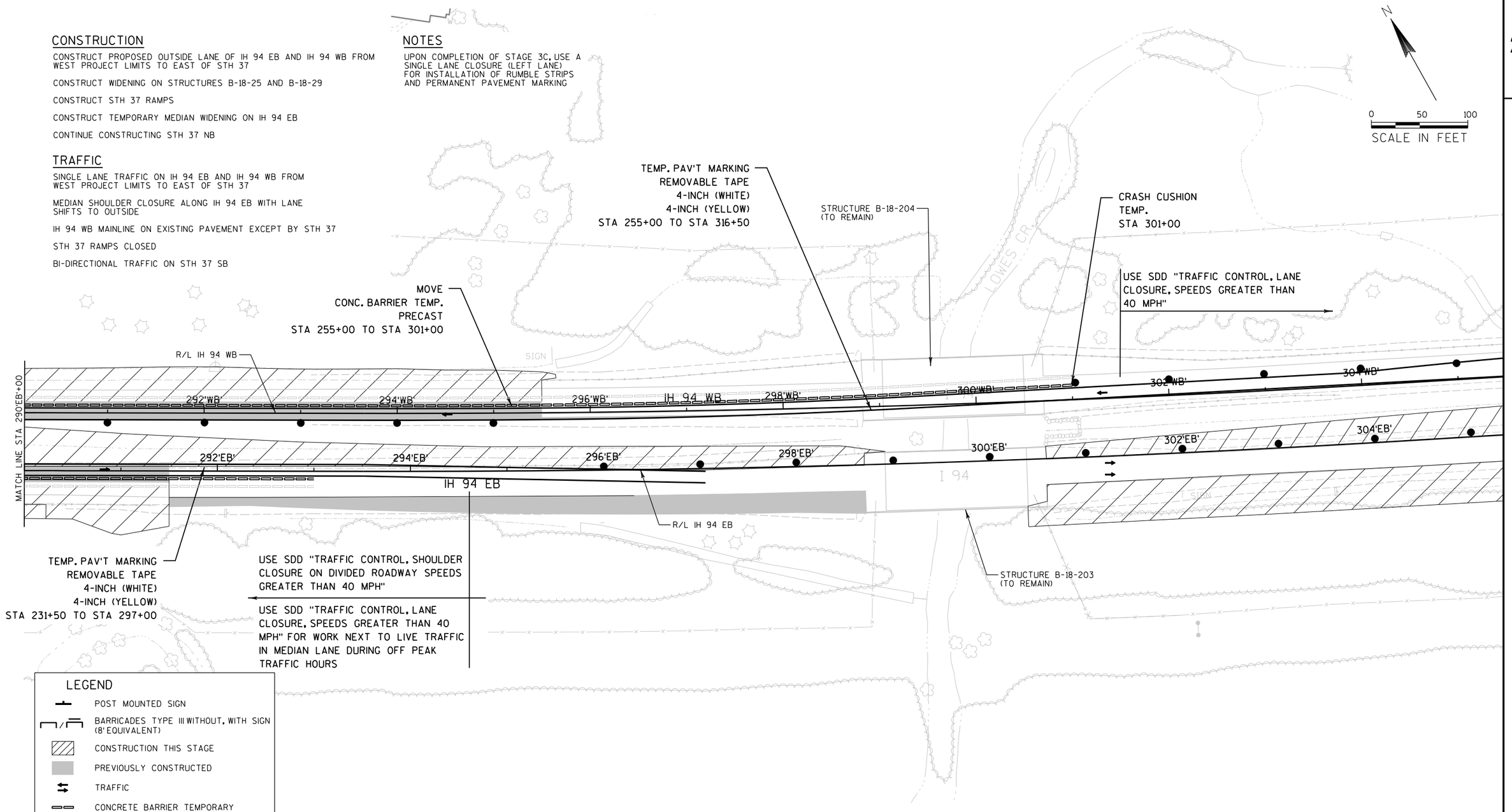
IH 94 WB MAINLINE ON EXISTING PAVEMENT EXCEPT BY STH 37

STH 37 RAMPS CLOSED

BI-DIRECTIONAL TRAFFIC ON STH 37 SB

NOTES

UPON COMPLETION OF STAGE 3C, USE A SINGLE LANE CLOSURE (LEFT LANE) FOR INSTALLATION OF RUMBLE STRIPS AND PERMANENT PAVEMENT MARKING



PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CONSTRUCTION STAGING - STAGE 3C	SHEET 254	E

2

CONSTRUCTION

CONSTRUCT PROPOSED OUTSIDE LANE OF IH 94 EB AND IH 94 WB FROM WEST PROJECT LIMITS TO EAST OF STH 37

CONSTRUCT WIDENING ON STRUCTURES B-18-25 AND B-18-29

CONSTRUCT STH 37 RAMPS

CONSTRUCT TEMPORARY MEDIAN WIDENING ON IH 94 EB

CONTINUE CONSTRUCTING STH 37 NB

TRAFFIC

SINGLE LANE TRAFFIC ON IH 94 EB AND IH 94 WB FROM WEST PROJECT LIMITS TO EAST OF STH 37

MEDIAN SHOULDER CLOSURE ALONG IH 94 EB WITH LANE SHIFTS TO OUTSIDE

IH 94 WB MAINLINE ON EXISTING PAVEMENT EXCEPT BY STH 37

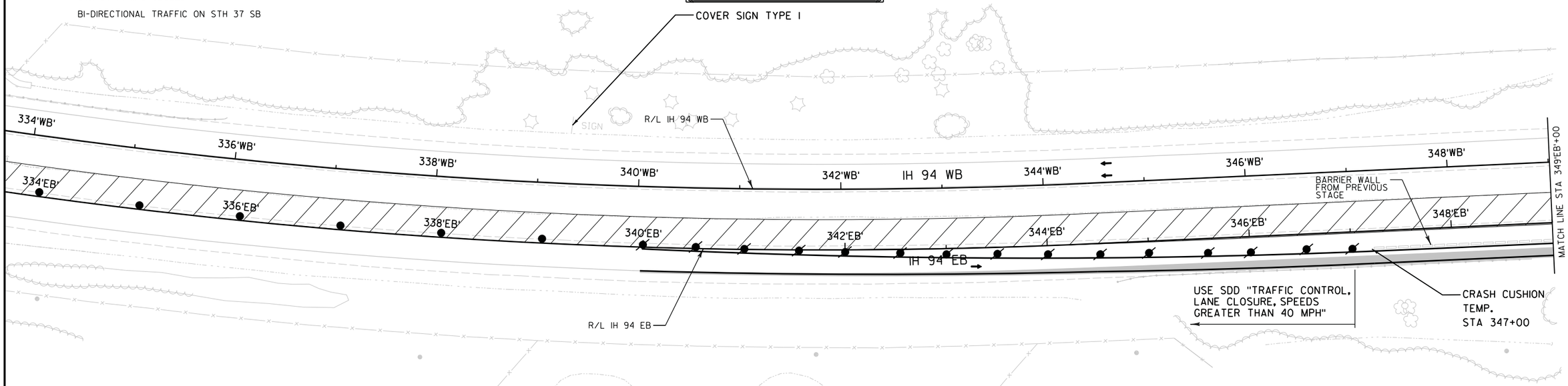
STH 37 RAMPS CLOSED

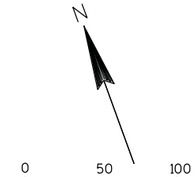
BI-DIRECTIONAL TRAFFIC ON STH 37 SB

NOTES

UPON COMPLETION OF STAGE 3C, USE A SINGLE LANE CLOSURE (LEFT LANE) FOR INSTALLATION OF RUMBLE STRIPS AND PERMANENT PAVEMENT MARKING







LEGEND

- POST MOUNTED SIGN
- BARRICADES TYPE III WITHOUT, WITH SIGN (8' EQUIVALENT)
- CONSTRUCTION THIS STAGE
- PREVIOUSLY CONSTRUCTED
- TRAFFIC
- CONCRETE BARRIER TEMPORARY
- TEMPORARY PAVEMENT MARKING
- DRUM
- DRUM WITH WARNING LIGHT TYPE C
- FLEXIBLE TUBULAR MARKER AND BASE
- TEMPORARY DELINEATOR

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CONSTRUCTION STAGING - STAGE 3C	SHEET 255	E

FILE NAME : ...\CH_0803_026367_S3C.dgn PLOT DATE : 1/31/2013 PLOT BY : SEH PLOT NAME : PLOT SCALE : N/A

CONSTRUCTION

CONSTRUCT PROPOSED OUTSIDE LANE OF IH 94 EB AND IH 94 WB FROM WEST PROJECT LIMITS TO EAST OF STH 37

CONSTRUCT WIDENING ON STRUCTURES B-18-25 AND B-18-29

CONSTRUCT STH 37 RAMPS

CONSTRUCT TEMPORARY MEDIAN WIDENING ON IH 94 EB

CONTINUE CONSTRUCTING STH 37 NB

TRAFFIC

SINGLE LANE TRAFFIC ON IH 94 EB AND IH 94 WB FROM WEST PROJECT LIMITS TO EAST OF STH 37

MEDIAN SHOULDER CLOSURE ALONG IH 94 EB WITH LANE SHIFTS TO OUTSIDE

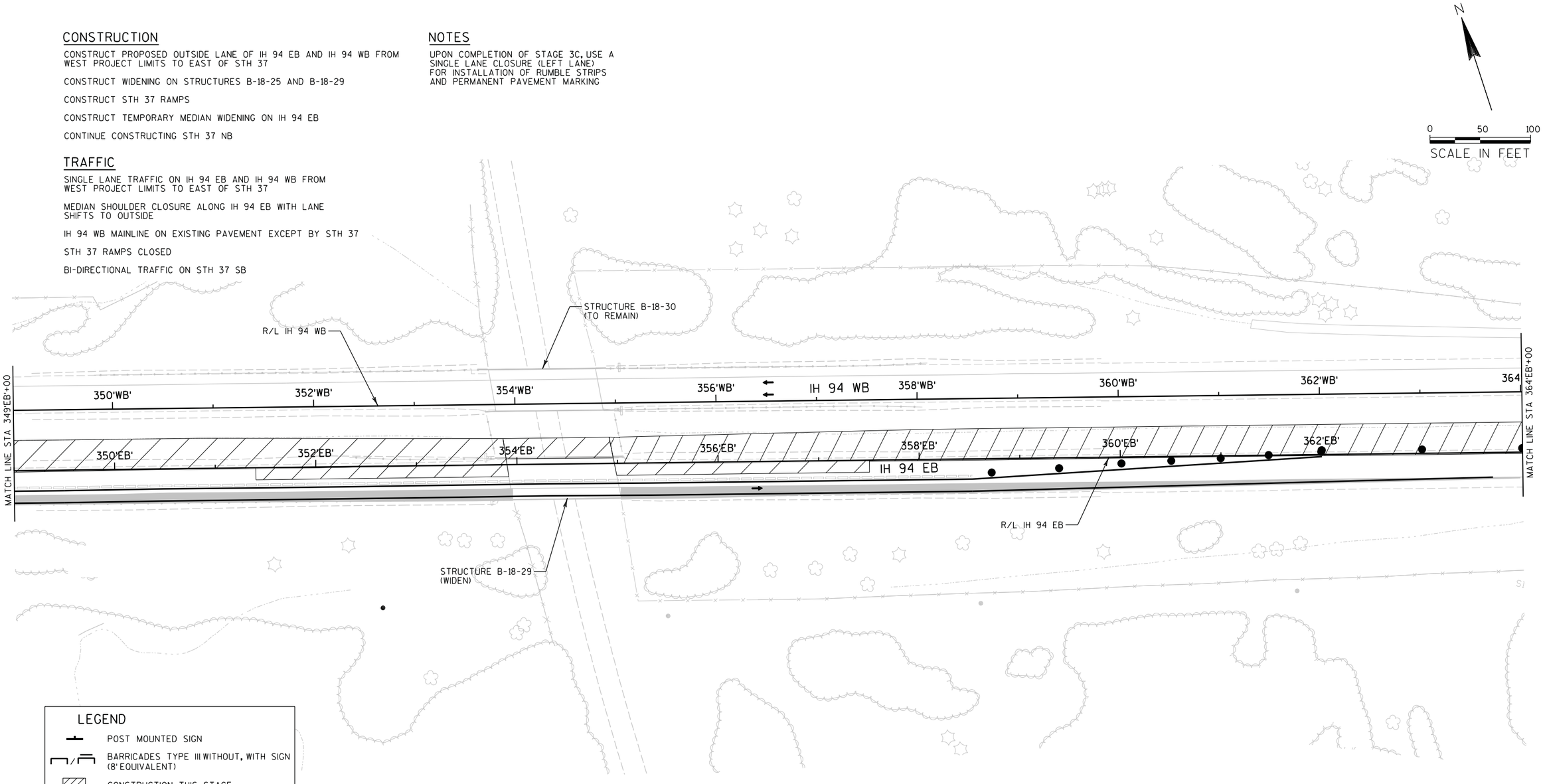
IH 94 WB MAINLINE ON EXISTING PAVEMENT EXCEPT BY STH 37

STH 37 RAMPS CLOSED

BI-DIRECTIONAL TRAFFIC ON STH 37 SB

NOTES

UPON COMPLETION OF STAGE 3C, USE A SINGLE LANE CLOSURE (LEFT LANE) FOR INSTALLATION OF RUMBLE STRIPS AND PERMANENT PAVEMENT MARKING



LEGEND

- POST MOUNTED SIGN
- BARRICADES TYPE III WITHOUT, WITH SIGN (8' EQUIVALENT)
- CONSTRUCTION THIS STAGE
- PREVIOUSLY CONSTRUCTED
- TRAFFIC
- CONCRETE BARRIER TEMPORARY
- TEMPORARY PAVEMENT MARKING
- DRUM
- DRUM WITH WARNING LIGHT TYPE C
- FLEXIBLE TUBULAR MARKER AND BASE
- TEMPORARY DELINEATOR

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CONSTRUCTION STAGING - STAGE 3C	SHEET 256	E

CONSTRUCTION

CONSTRUCT PROPOSED OUTSIDE LANE OF IH 94 EB AND IH 94 WB FROM WEST PROJECT LIMITS TO EAST OF STH 37

CONSTRUCT WIDENING ON STRUCTURES B-18-25 AND B-18-29

CONSTRUCT STH 37 RAMPS

CONSTRUCT TEMPORARY MEDIAN WIDENING ON IH 94 EB

CONTINUE CONSTRUCTING STH 37 NB

TRAFFIC

SINGLE LANE TRAFFIC ON IH 94 EB AND IH 94 WB FROM WEST PROJECT LIMITS TO EAST OF STH 37

MEDIAN SHOULDER CLOSURE ALONG IH 94 EB WITH LANE SHIFTS TO OUTSIDE

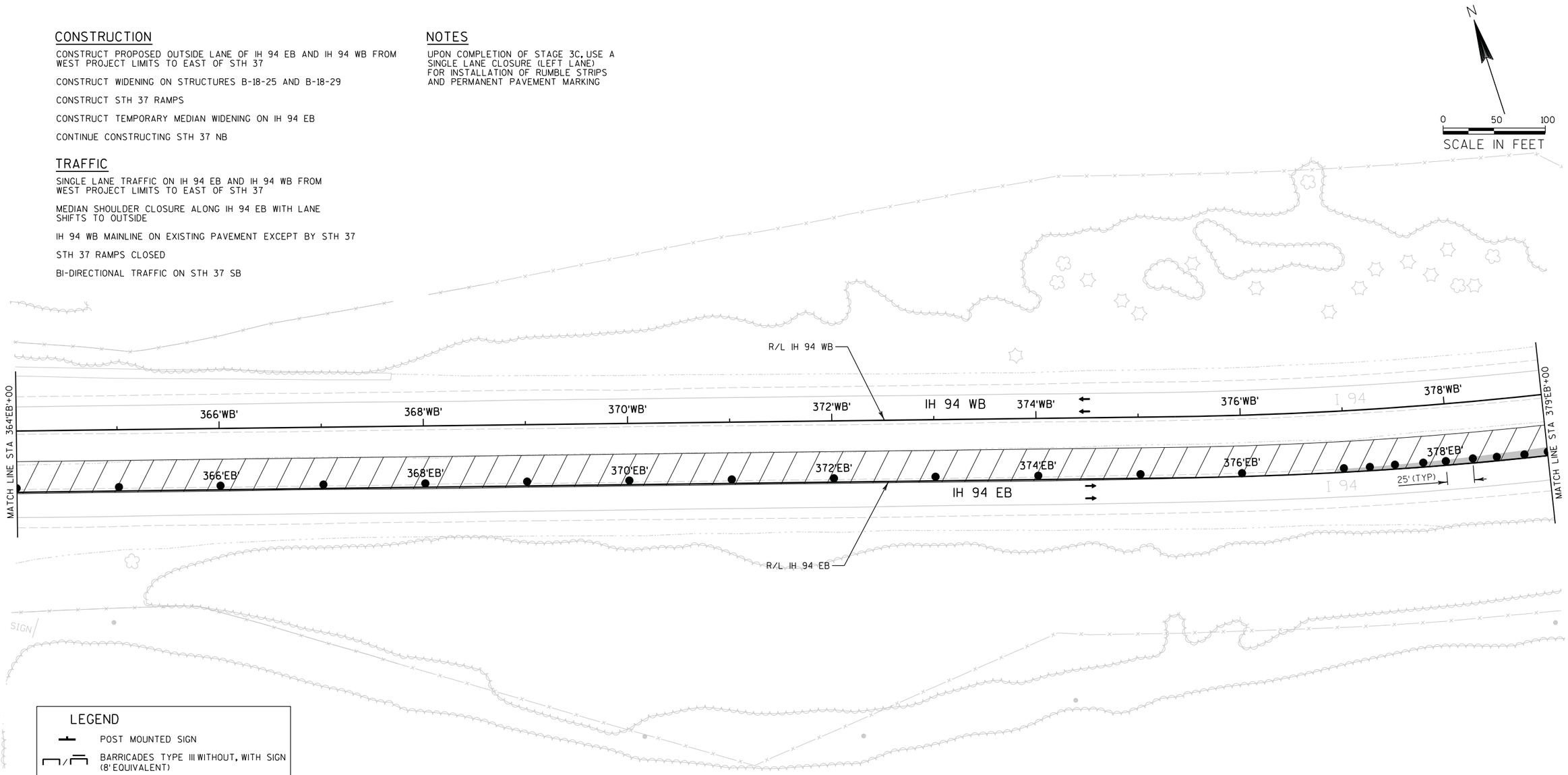
IH 94 WB MAINLINE ON EXISTING PAVEMENT EXCEPT BY STH 37

STH 37 RAMPS CLOSED

BI-DIRECTIONAL TRAFFIC ON STH 37 SB

NOTES

UPON COMPLETION OF STAGE 3C, USE A SINGLE LANE CLOSURE (LEFT LANE) FOR INSTALLATION OF RUMBLE STRIPS AND PERMANENT PAVEMENT MARKING



LEGEND

- POST MOUNTED SIGN
- BARRICADES TYPE III WITHOUT, WITH SIGN (8' EQUIVALENT)
- CONSTRUCTION THIS STAGE
- PREVIOUSLY CONSTRUCTED
- TRAFFIC
- CONCRETE BARRIER TEMPORARY
- TEMPORARY PAVEMENT MARKING
- DRUM
- DRUM WITH WARNING LIGHT TYPE C
- FLEXIBLE TUBULAR MARKER AND BASE
- TEMPORARY DELINEATOR

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CONSTRUCTION STAGING - STAGE 3C	SHEET 257	E

2

CONSTRUCTION

CONSTRUCT PROPOSED OUTSIDE LANE OF IH 94 EB AND IH 94 WB FROM WEST PROJECT LIMITS TO EAST OF STH 37

CONSTRUCT WIDENING ON STRUCTURES B-18-25 AND B-18-29

CONSTRUCT STH 37 RAMPS

CONSTRUCT TEMPORARY MEDIAN WIDENING ON IH 94 EB

CONTINUE CONSTRUCTING STH 37 NB

TRAFFIC

SINGLE LANE TRAFFIC ON IH 94 EB AND IH 94 WB FROM WEST PROJECT LIMITS TO EAST OF STH 37

MEDIAN SHOULDER CLOSURE ALONG IH 94 EB WITH LANE SHIFTS TO OUTSIDE

IH 94 WB MAINLINE ON EXISTING PAVEMENT EXCEPT BY STH 37

STH 37 RAMPS CLOSED

BI-DIRECTIONAL TRAFFIC ON STH 37 SB

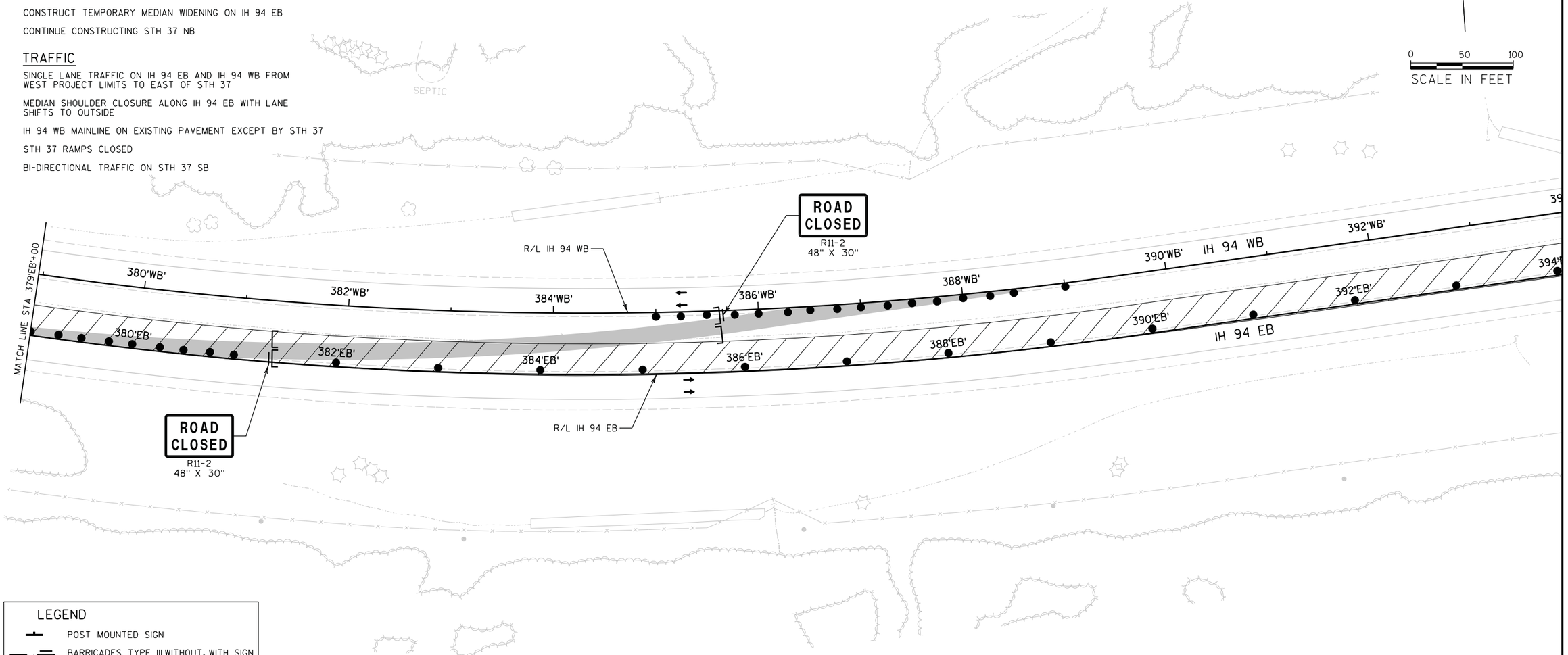
NOTES

UPON COMPLETION OF STAGE 3C, USE A SINGLE LANE CLOSURE (LEFT LANE) FOR INSTALLATION OF RUMBLE STRIPS AND PERMANENT PAVEMENT MARKING

N

0 50 100

SCALE IN FEET



LEGEND

- POST MOUNTED SIGN
- BARRICADES TYPE III WITHOUT, WITH SIGN (8' EQUIVALENT)
- CONSTRUCTION THIS STAGE
- PREVIOUSLY CONSTRUCTED
- TRAFFIC
- CONCRETE BARRIER TEMPORARY
- TEMPORARY PAVEMENT MARKING
- DRUM
- DRUM WITH WARNING LIGHT TYPE C
- FLEXIBLE TUBULAR MARKER AND BASE
- TEMPORARY DELINEATOR

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CONSTRUCTION STAGING - STAGE 3C	SHEET 258	E

FILE NAME : ...\CH_0803_026370_S3C.dgn PLOT DATE : 1/31/2013 PLOT BY : SEH PLOT NAME : PLOT SCALE : N/A

2

CONSTRUCTION

CONSTRUCT PROPOSED OUTSIDE LANE OF IH 94 EB AND IH 94 WB FROM WEST PROJECT LIMITS TO EAST OF STH 37

CONSTRUCT WIDENING ON STRUCTURES B-18-25 AND B-18-29

CONSTRUCT STH 37 RAMPS

CONSTRUCT TEMPORARY MEDIAN WIDENING ON IH 94 EB

CONTINUE CONSTRUCTING STH 37 NB

TRAFFIC

SINGLE LANE TRAFFIC ON IH 94 EB AND IH 94 WB FROM WEST PROJECT LIMITS TO EAST OF STH 37

MEDIAN SHOULDER CLOSURE ALONG IH 94 EB WITH LANE SHIFTS TO OUTSIDE

IH 94 WB MAINLINE ON EXISTING PAVEMENT EXCEPT BY STH 37

STH 37 RAMPS CLOSED

BI-DIRECTIONAL TRAFFIC ON STH 37 SB

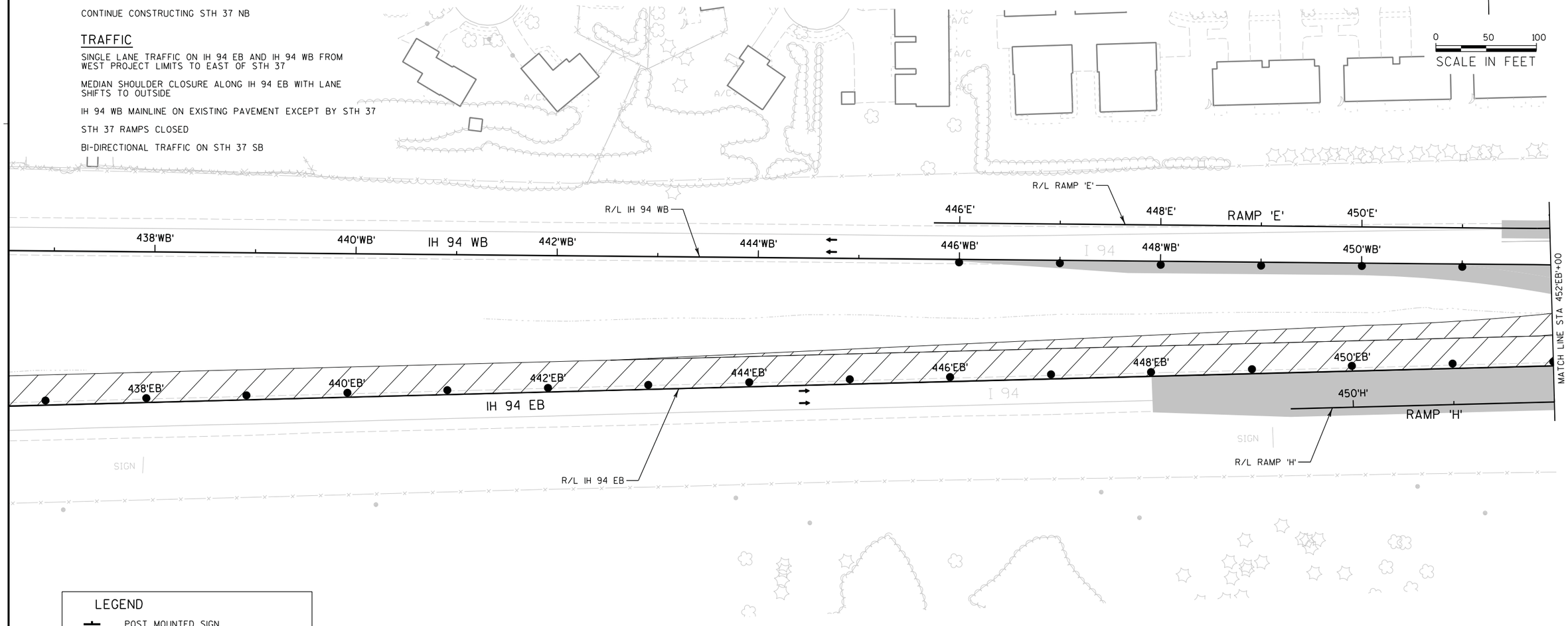
NOTES

UPON COMPLETION OF STAGE 3C, USE A SINGLE LANE CLOSURE (LEFT LANE) FOR INSTALLATION OF RUMBLE STRIPS AND PERMANENT PAVEMENT MARKING

N

0 50 100

SCALE IN FEET



LEGEND

- POST MOUNTED SIGN
- BARRICADES TYPE III WITHOUT, WITH SIGN (8' EQUIVALENT)
- CONSTRUCTION THIS STAGE
- PREVIOUSLY CONSTRUCTED
- TRAFFIC
- CONCRETE BARRIER TEMPORARY
- TEMPORARY PAVEMENT MARKING
- DRUM
- DRUM WITH WARNING LIGHT TYPE C
- FLEXIBLE TUBULAR MARKER AND BASE
- TEMPORARY DELINEATOR

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CONSTRUCTION STAGING - STAGE 3C	SHEET 259	E

2

CONSTRUCTION

CONSTRUCT PROPOSED OUTSIDE LANE OF IH 94 EB AND IH 94 WB FROM WEST PROJECT LIMITS TO EAST OF STH 37

CONSTRUCT WIDENING ON STRUCTURES B-18-25 AND B-18-29

CONSTRUCT STH 37 RAMPS

CONSTRUCT TEMPORARY MEDIAN WIDENING ON IH 94 EB

CONTINUE CONSTRUCTING STH 37 NB

TRAFFIC

SINGLE LANE TRAFFIC ON IH 94 EB AND IH 94 WB FROM WEST PROJECT LIMITS TO EAST OF STH 37

MEDIAN SHOULDER CLOSURE ALONG IH 94 EB WITH LANE SHIFTS TO OUTSIDE

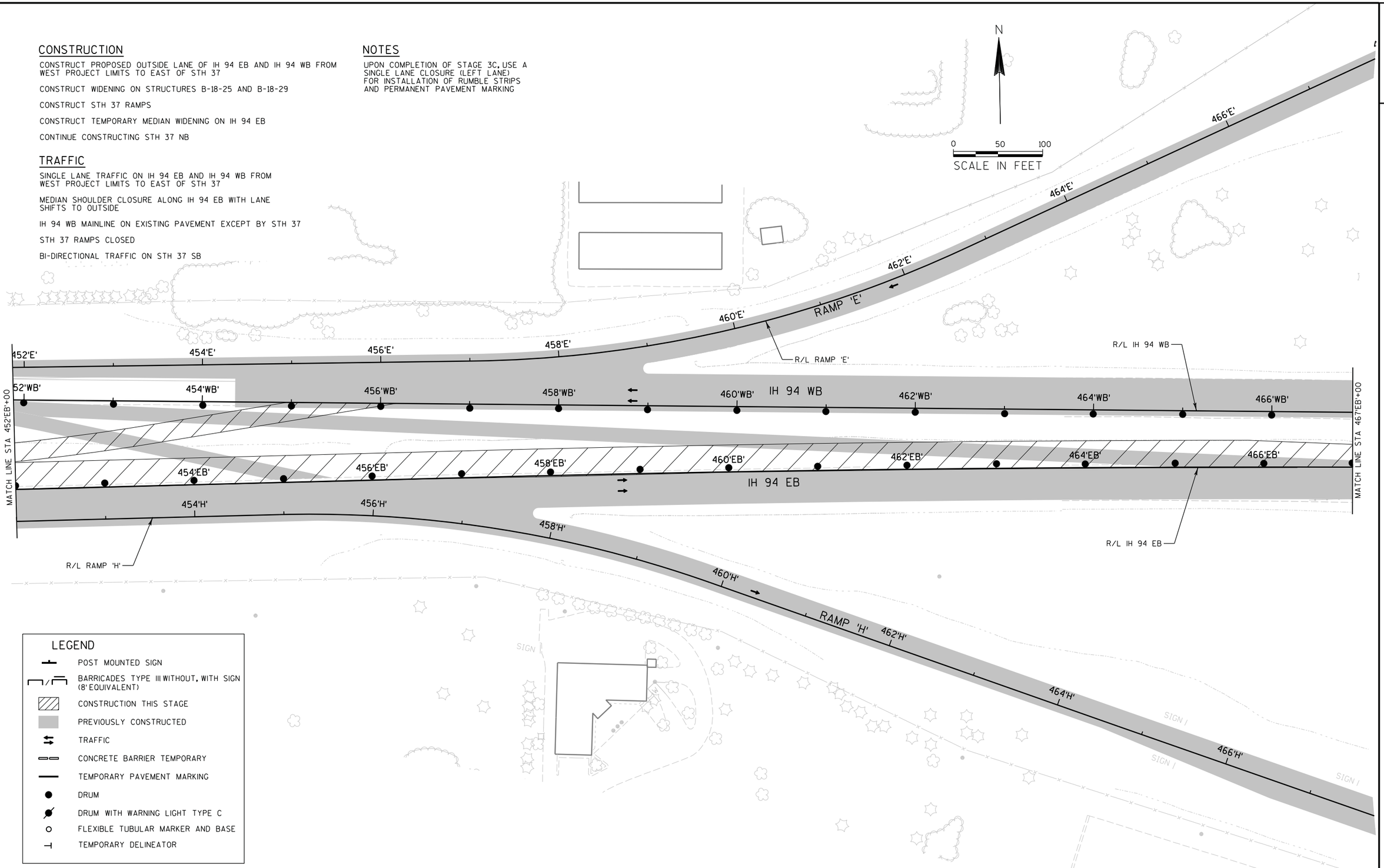
IH 94 WB MAINLINE ON EXISTING PAVEMENT EXCEPT BY STH 37

STH 37 RAMPS CLOSED

BI-DIRECTIONAL TRAFFIC ON STH 37 SB

NOTES

UPON COMPLETION OF STAGE 3C, USE A SINGLE LANE CLOSURE (LEFT LANE) FOR INSTALLATION OF RUMBLE STRIPS AND PERMANENT PAVEMENT MARKING



LEGEND

- POST MOUNTED SIGN
- BARRICADES TYPE III WITHOUT, WITH SIGN (8' EQUIVALENT)
- CONSTRUCTION THIS STAGE
- PREVIOUSLY CONSTRUCTED
- TRAFFIC
- CONCRETE BARRIER TEMPORARY
- TEMPORARY PAVEMENT MARKING
- DRUM
- DRUM WITH WARNING LIGHT TYPE C
- FLEXIBLE TUBULAR MARKER AND BASE
- TEMPORARY DELINEATOR

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CONSTRUCTION STAGING - STAGE 3C	SHEET 260	E

NOTES

UPON COMPLETION OF STAGE 3C, USE A SINGLE LANE CLOSURE (LEFT LANE) FOR INSTALLATION OF RUMBLE STRIPS AND PERMANENT PAVEMENT MARKING

CONSTRUCTION

CONSTRUCT PROPOSED OUTSIDE LANE OF IH 94 EB AND IH 94 WB FROM WEST PROJECT LIMITS TO EAST OF STH 37

CONSTRUCT WIDENING ON STRUCTURES B-18-25 AND B-18-29

CONSTRUCT STH 37 RAMPS

CONSTRUCT TEMPORARY MEDIAN WIDENING ON IH 94 EB

CONTINUE CONSTRUCTING STH 37 NB

TRAFFIC

SINGLE LANE TRAFFIC ON IH 94 EB AND IH 94 WB FROM WEST PROJECT LIMITS TO EAST OF STH 37

MEDIAN SHOULDER CLOSURE ALONG IH 94 EB WITH LANE SHIFTS TO OUTSIDE

IH 94 WB MAINLINE ON EXISTING PAVEMENT EXCEPT BY STH 37

STH 37 RAMPS CLOSED

BI-DIRECTIONAL TRAFFIC ON STH 37 SB

N

0 50 100

SCALE IN FEET

468'E' 470'F' 472'F' 474'F' RAMP 'F' 476'F' 478'F' 480'F'

R/L RAMP 'F'

STRUCTURE B-18-119 (TO REMAIN)

R/L IH 94 WB

468'WB' 470'WB' 472'WB' IH 94 WB 474'WB' 476'WB' 478'WB' 480'WB'

MATCH LINE STA 467'EB+00

MATCH LINE STA 481'EB+00

468'EB' 470'EB' 472'EB' 474'EB' 476'EB' 478'EB' 480'EB'

IH 94 EB

R/L IH 94 EB

R/L RAMP 'G'

480'G' 478'G' 476'G' 474'G' RAMP 'G' 472'G' 470'G'

STRUCTURE B-18-34 (TO REMAIN)

STH 93

468'H' 470'H' 468'G'

LEGEND

- POST MOUNTED SIGN
- BARRICADES TYPE III WITHOUT, WITH SIGN (8' EQUIVALENT)
- CONSTRUCTION THIS STAGE
- PREVIOUSLY CONSTRUCTED
- TRAFFIC
- CONCRETE BARRIER TEMPORARY
- TEMPORARY PAVEMENT MARKING
- DRUM
- DRUM WITH WARNING LIGHT TYPE C
- FLEXIBLE TUBULAR MARKER AND BASE
- TEMPORARY DELINEATOR

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CONSTRUCTION STAGING - STAGE 3C	SHEET 261	E

FILE NAME : ...\CH_0803_026376_S3C.dgn PLOT DATE : 1/31/2013 PLOT BY : SEH PLOT NAME : PLOT SCALE : N/A

2

CONSTRUCTION

CONSTRUCT PROPOSED OUTSIDE LANE OF IH 94 EB AND IH 94 WB FROM WEST PROJECT LIMITS TO EAST OF STH 37

CONSTRUCT WIDENING ON STRUCTURES B-18-25 AND B-18-29

CONSTRUCT STH 37 RAMPS

CONSTRUCT TEMPORARY MEDIAN WIDENING ON IH 94 EB

CONTINUE CONSTRUCTING STH 37 NB

NOTES

UPON COMPLETION OF STAGE 3C, USE A SINGLE LANE CLOSURE (LEFT LANE) FOR INSTALLATION OF RUMBLE STRIPS AND PERMANENT PAVEMENT MARKING

TRAFFIC

SINGLE LANE TRAFFIC ON IH 94 EB AND IH 94 WB FROM WEST PROJECT LIMITS TO EAST OF STH 37

MEDIAN SHOULDER CLOSURE ALONG IH 94 EB WITH LANE SHIFTS TO OUTSIDE

IH 94 WB MAINLINE ON EXISTING PAVEMENT EXCEPT BY STH 37

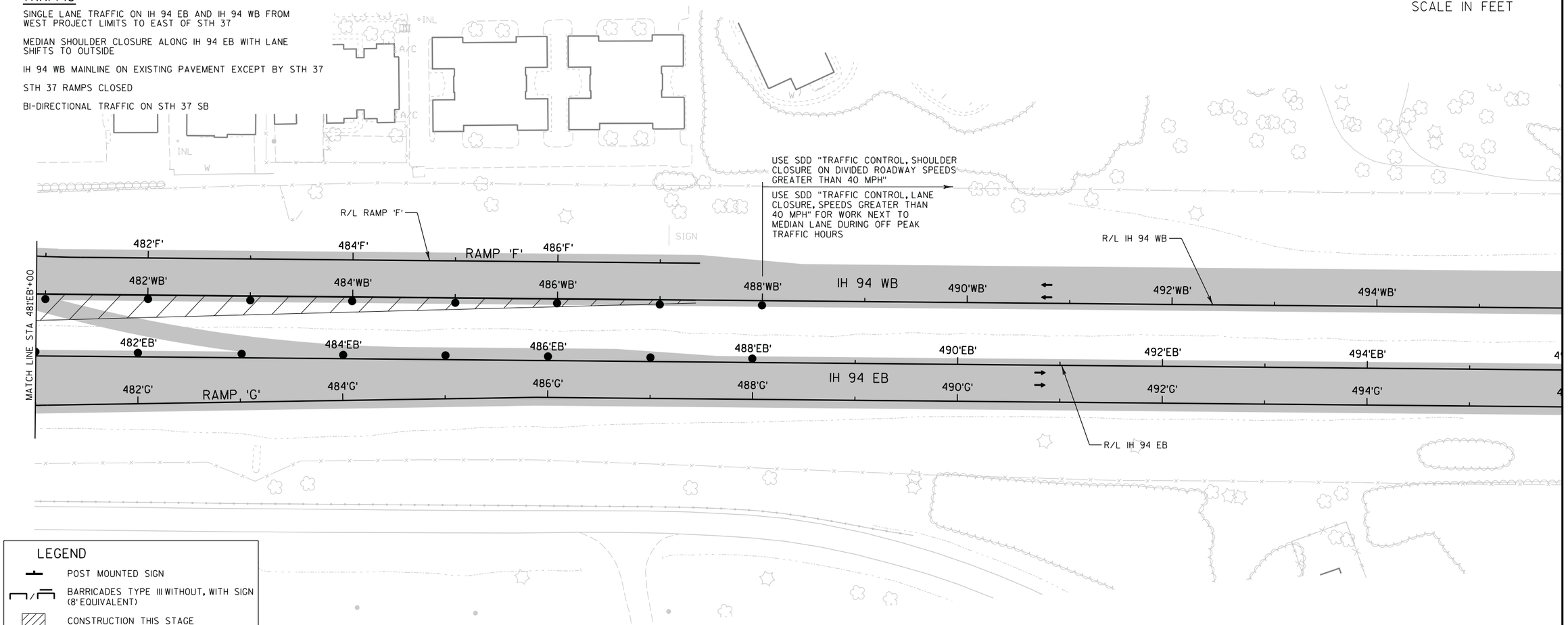
STH 37 RAMPS CLOSED

BI-DIRECTIONAL TRAFFIC ON STH 37 SB

N

0 50 100

SCALE IN FEET



LEGEND

- POST MOUNTED SIGN
- BARRICADES TYPE III WITHOUT, WITH SIGN (8' EQUIVALENT)
- CONSTRUCTION THIS STAGE
- PREVIOUSLY CONSTRUCTED
- TRAFFIC
- CONCRETE BARRIER TEMPORARY
- TEMPORARY PAVEMENT MARKING
- DRUM
- DRUM WITH WARNING LIGHT TYPE C
- FLEXIBLE TUBULAR MARKER AND BASE
- TEMPORARY DELINEATOR

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CONSTRUCTION STAGING - STAGE 3C	SHEET 262	E

FILE NAME : ...\CH_0803_026377_S3C.dgn PLOT DATE : 1/31/2013 PLOT BY : SEH PLOT NAME : PLOT SCALE : N/A

WISDOT/CADDS SHEET 42

2

CONSTRUCTION

CONSTRUCT PROPOSED OUTSIDE LANE OF IH 94 EB AND IH 94 WB FROM WEST PROJECT LIMITS TO EAST OF STH 37

CONSTRUCT WIDENING ON STRUCTURES B-18-25 AND B-18-29

CONSTRUCT STH 37 RAMPS

CONSTRUCT TEMPORARY MEDIAN WIDENING ON IH 94 EB

CONTINUE CONSTRUCTING STH 37 NB

TRAFFIC

SINGLE LANE TRAFFIC ON IH 94 EB AND IH 94 WB FROM WEST PROJECT LIMITS TO EAST OF STH 37

MEDIAN SHOULDER CLOSURE ALONG IH 94 EB WITH LANE SHIFTS TO OUTSIDE

IH 94 WB MAINLINE ON EXISTING PAVEMENT EXCEPT BY STH 37

STH 37 RAMPS CLOSED

BI-DIRECTIONAL TRAFFIC ON STH 37 SB

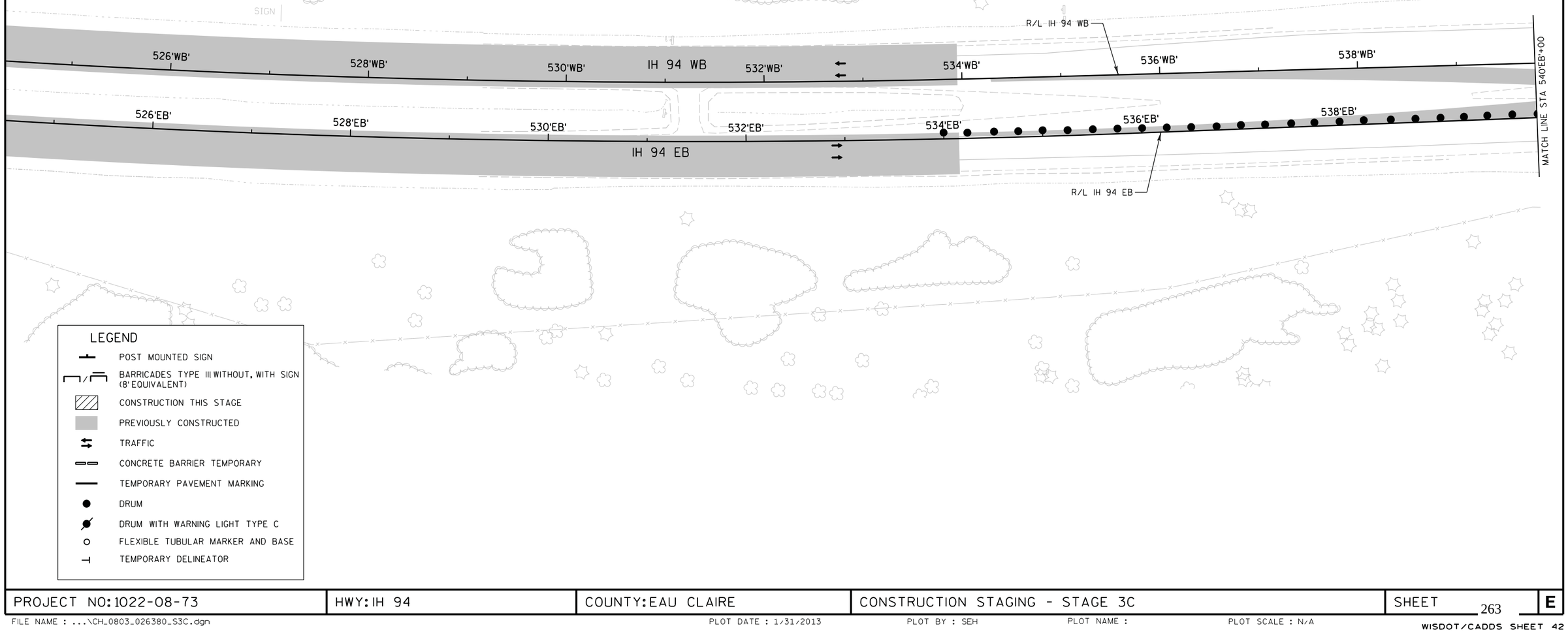
NOTES

UPON COMPLETION OF STAGE 3C, USE A SINGLE LANE CLOSURE (LEFT LANE) FOR INSTALLATION OF RUMBLE STRIPS AND PERMANENT PAVEMENT MARKING

N

0 50 100

SCALE IN FEET



LEGEND

- POST MOUNTED SIGN
- BARRICADES TYPE III WITHOUT, WITH SIGN (8' EQUIVALENT)
- CONSTRUCTION THIS STAGE
- PREVIOUSLY CONSTRUCTED
- TRAFFIC
- CONCRETE BARRIER TEMPORARY
- TEMPORARY PAVEMENT MARKING
- DRUM
- DRUM WITH WARNING LIGHT TYPE C
- FLEXIBLE TUBULAR MARKER AND BASE
- TEMPORARY DELINEATOR

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CONSTRUCTION STAGING - STAGE 3C	SHEET 263	E

CONSTRUCTION

CONSTRUCT PROPOSED OUTSIDE LANE OF IH 94 EB AND IH 94 WB FROM WEST PROJECT LIMITS TO EAST OF STH 37

CONSTRUCT WIDENING ON STRUCTURES B-18-25 AND B-18-29

CONSTRUCT STH 37 RAMPS

CONSTRUCT TEMPORARY MEDIAN WIDENING ON IH 94 EB

CONTINUE CONSTRUCTING STH 37 NB

TRAFFIC

SINGLE LANE TRAFFIC ON IH 94 EB AND IH 94 WB FROM WEST PROJECT LIMITS TO EAST OF STH 37

MEDIAN SHOULDER CLOSURE ALONG IH 94 EB WITH LANE SHIFTS TO OUTSIDE

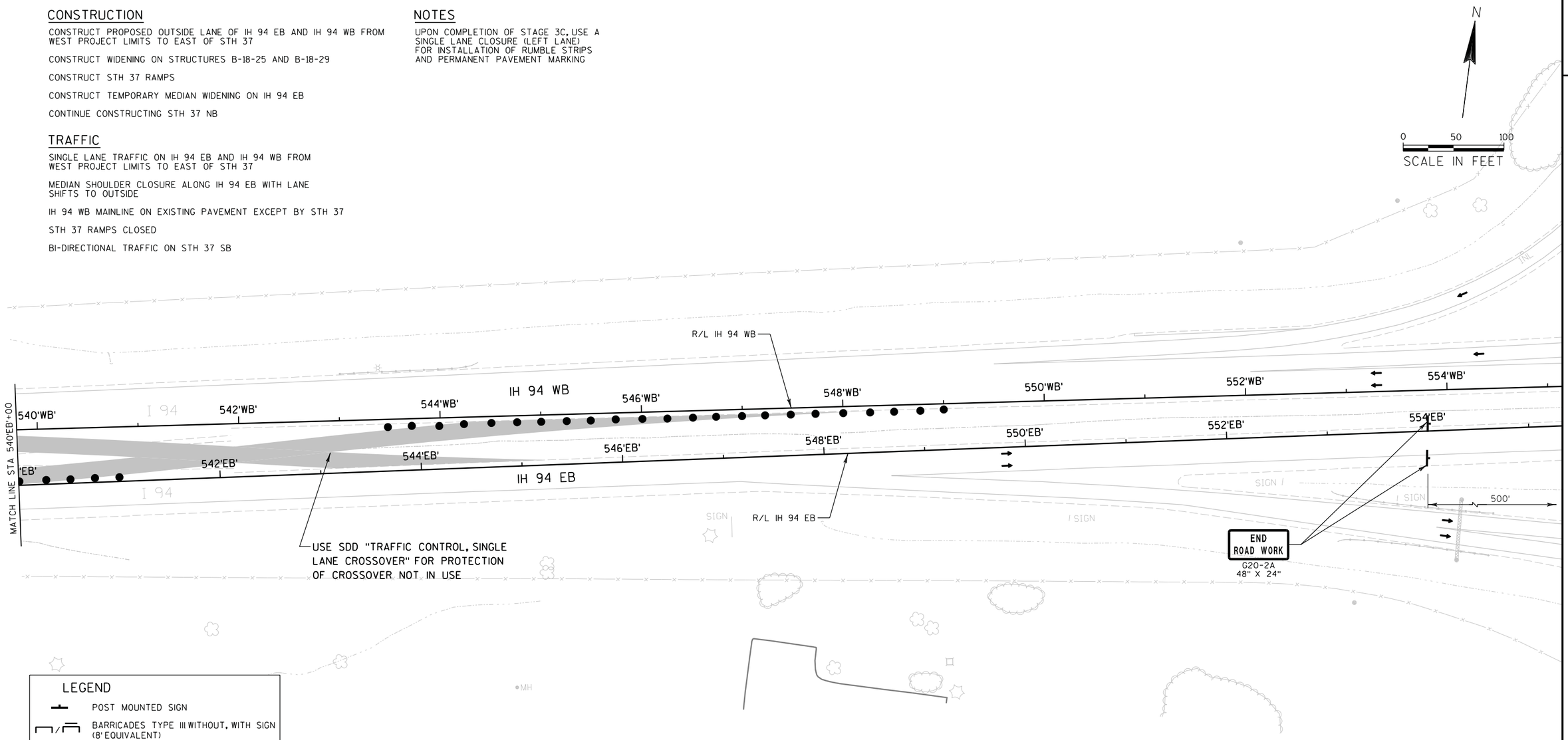
IH 94 WB MAINLINE ON EXISTING PAVEMENT EXCEPT BY STH 37

STH 37 RAMPS CLOSED

BI-DIRECTIONAL TRAFFIC ON STH 37 SB

NOTES

UPON COMPLETION OF STAGE 3C, USE A SINGLE LANE CLOSURE (LEFT LANE) FOR INSTALLATION OF RUMBLE STRIPS AND PERMANENT PAVEMENT MARKING



LEGEND

- POST MOUNTED SIGN
- BARRICADES TYPE III WITHOUT, WITH SIGN (8' EQUIVALENT)
- CONSTRUCTION THIS STAGE
- PREVIOUSLY CONSTRUCTED
- TRAFFIC
- CONCRETE BARRIER TEMPORARY
- TEMPORARY PAVEMENT MARKING
- DRUM
- DRUM WITH WARNING LIGHT TYPE C
- FLEXIBLE TUBULAR MARKER AND BASE
- TEMPORARY DELINEATOR

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CONSTRUCTION STAGING - STAGE 3C	SHEET 264	E

CONSTRUCTION

CONSTRUCT PROPOSED OUTSIDE LANE OF IH 94 EB AND IH 94 WB FROM WEST PROJECT LIMITS TO EAST OF STH 37

CONSTRUCT WIDENING ON STRUCTURES B-18-25 AND B-18-29

CONSTRUCT STH 37 RAMPS

CONSTRUCT TEMPORARY MEDIAN WIDENING ON IH 94 EB

CONTINUE CONSTRUCTING STH 37 NB

TRAFFIC

SINGLE LANE TRAFFIC ON IH 94 EB AND IH 94 WB FROM WEST PROJECT LIMITS TO EAST OF STH 37

MEDIAN SHOULDER CLOSURE ALONG IH 94 EB WITH LANE SHIFTS TO OUTSIDE

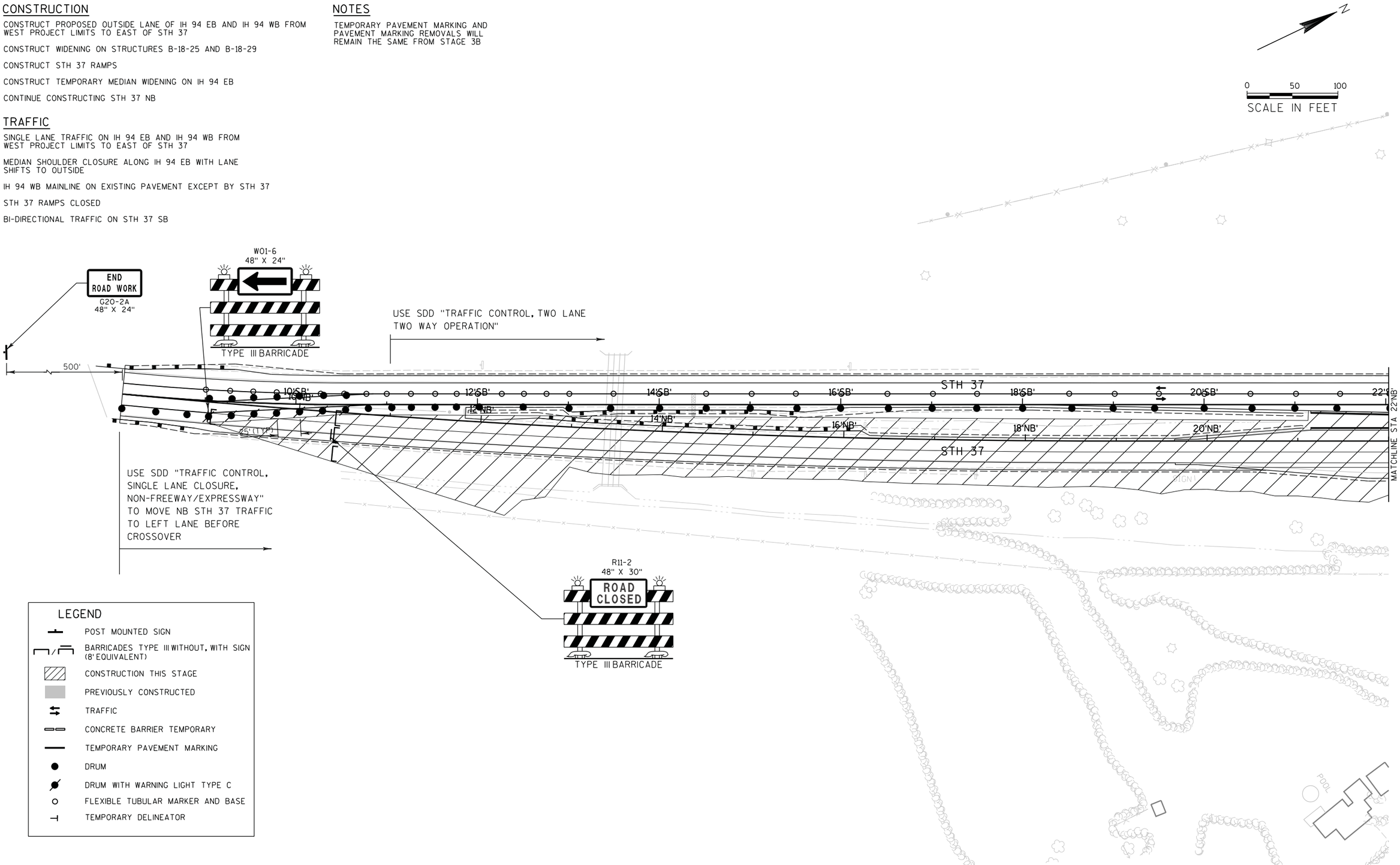
IH 94 WB MAINLINE ON EXISTING PAVEMENT EXCEPT BY STH 37

STH 37 RAMPS CLOSED

BI-DIRECTIONAL TRAFFIC ON STH 37 SB

NOTES

TEMPORARY PAVEMENT MARKING AND PAVEMENT MARKING REMOVALS WILL REMAIN THE SAME FROM STAGE 3B



LEGEND

- POST MOUNTED SIGN
- BARRICADES TYPE III WITHOUT, WITH SIGN (8' EQUIVALENT)
- CONSTRUCTION THIS STAGE
- PREVIOUSLY CONSTRUCTED
- TRAFFIC
- CONCRETE BARRIER TEMPORARY
- TEMPORARY PAVEMENT MARKING
- DRUM
- DRUM WITH WARNING LIGHT TYPE C
- FLEXIBLE TUBULAR MARKER AND BASE
- TEMPORARY DELINEATOR

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CONSTRUCTION STAGING - STAGE 3C	SHEET 265	E

2

CONSTRUCTION

CONSTRUCT PROPOSED OUTSIDE LANE OF IH 94 EB AND IH 94 WB FROM WEST PROJECT LIMITS TO EAST OF STH 37

CONSTRUCT WIDENING ON STRUCTURES B-18-25 AND B-18-29

CONSTRUCT STH 37 RAMPS

CONSTRUCT TEMPORARY MEDIAN WIDENING ON IH 94 EB

CONTINUE CONSTRUCTING STH 37 NB

TRAFFIC

SINGLE LANE TRAFFIC ON IH 94 EB AND IH 94 WB FROM WEST PROJECT LIMITS TO EAST OF STH 37

MEDIAN SHOULDER CLOSURE ALONG IH 94 EB WITH LANE SHIFTS TO OUTSIDE

IH 94 WB MAINLINE ON EXISTING PAVEMENT EXCEPT BY STH 37

STH 37 RAMPS CLOSED

BI-DIRECTIONAL TRAFFIC ON STH 37 SB

NOTES

TEMPORARY PAVEMENT MARKING AND PAVEMENT MARKING REMOVALS WILL REMAIN THE SAME FROM STAGE 3B

LEGEND

- POST MOUNTED SIGN
- BARRICADES TYPE III WITHOUT, WITH SIGN (8' EQUIVALENT)
- CONSTRUCTION THIS STAGE
- PREVIOUSLY CONSTRUCTED
- TRAFFIC
- CONCRETE BARRIER TEMPORARY
- TEMPORARY PAVEMENT MARKING
- DRUM
- DRUM WITH WARNING LIGHT TYPE C
- FLEXIBLE TUBULAR MARKER AND BASE
- TEMPORARY DELINEATOR

0 50 100
SCALE IN FEET

ROAD CLOSED
R11-2
48" X 30"

ROAD CLOSED
R11-2
48" X 30"

STH 37

RAMP CLOSED

RAMP CLOSED

MATCHLINE STA 22'NB'

MATCHLINE STA 37'NB'

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CONSTRUCTION STAGING - STAGE 3C	SHEET 266	E

FILE NAME : ...\CH_0803_026383_S3C.dgn PLOT DATE : 1/31/2013 PLOT BY : SEH PLOT NAME : PLOT SCALE : N/A

2

CONSTRUCTION

CONSTRUCT PROPOSED OUTSIDE LANE OF IH 94 EB AND IH 94 WB FROM WEST PROJECT LIMITS TO EAST OF STH 37

CONSTRUCT WIDENING ON STRUCTURES B-18-25 AND B-18-29

CONSTRUCT STH 37 RAMPS

CONSTRUCT TEMPORARY MEDIAN WIDENING ON IH 94 EB

CONTINUE CONSTRUCTING STH 37 NB

TRAFFIC

SINGLE LANE TRAFFIC ON IH 94 EB AND IH 94 WB FROM WEST PROJECT LIMITS TO EAST OF STH 37

MEDIAN SHOULDER CLOSURE ALONG IH 94 EB WITH LANE SHIFTS TO OUTSIDE

IH 94 WB MAINLINE ON EXISTING PAVEMENT EXCEPT BY STH 37

STH 37 RAMPS CLOSED

BI-DIRECTIONAL TRAFFIC ON STH 37 SB

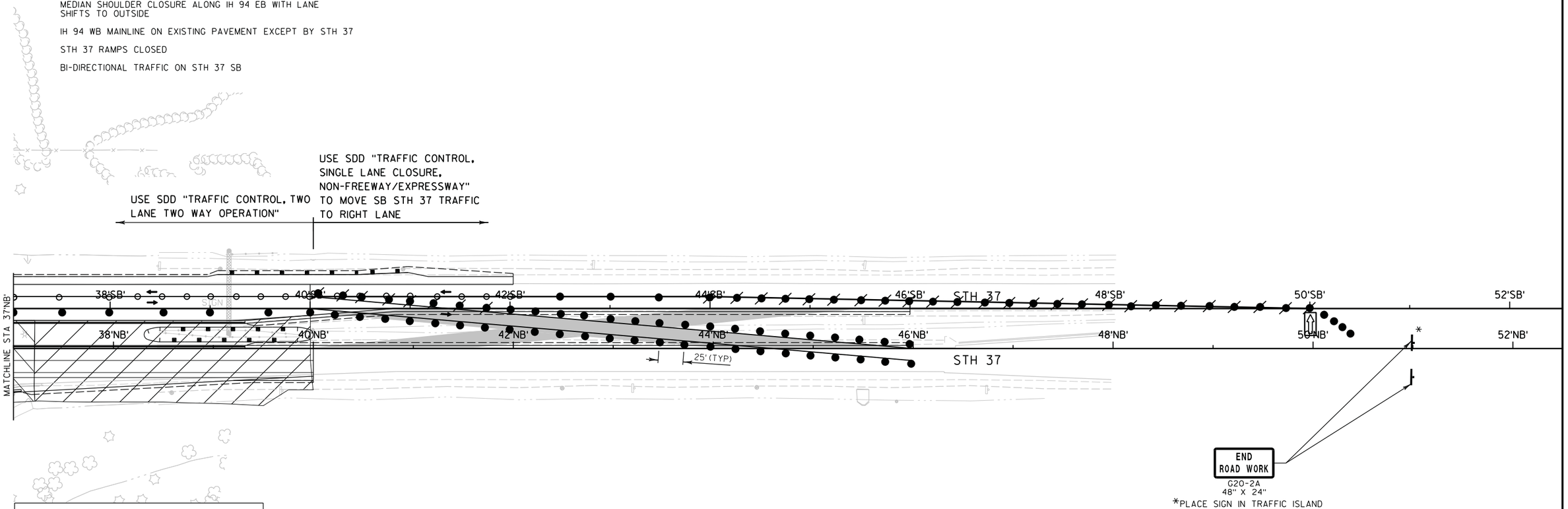
NOTES

TEMPORARY PAVEMENT MARKING AND PAVEMENT MARKING REMOVALS WILL REMAIN THE SAME FROM STAGE 3B

N

0 50 100

SCALE IN FEET



LEGEND

- POST MOUNTED SIGN
- BARRICADES TYPE III WITHOUT, WITH SIGN (8' EQUIVALENT)
- CONSTRUCTION THIS STAGE
- PREVIOUSLY CONSTRUCTED
- TRAFFIC
- CONCRETE BARRIER TEMPORARY
- TEMPORARY PAVEMENT MARKING
- DRUM
- DRUM WITH WARNING LIGHT TYPE C
- FLEXIBLE TUBULAR MARKER AND BASE
- TEMPORARY DELINEATOR

MAX. 12' WIDTH

W12-52
48" X 48"

INSTALL W12-52 AT THE FOLLOWING I-94 WB LOCATIONS:
-EAST OF USH 53 INTERCHANGE
-USH 53/I-94 WB ON RAMP (2 SIGNS)
-EAST OF STH 93 INTERCHANGE
-STH 93/I-94 WB ON RAMP
-CHIPPEWA RIVER BRIDGE

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CONSTRUCTION STAGING - STAGE 3C	SHEET 267	E

FILE NAME : ...\CH_0803_026384_S3C.dgn PLOT DATE : 1/31/2013 PLOT BY : SEH PLOT NAME : PLOT SCALE : N/A

2

CONSTRUCTION

CONSTRUCT PROPOSED IH 94 WB FROM STA 307+00'WB' TO STA 454+36'WB'

CONSTRUCT STRUCTURE B-18-227

CONSTRUCT STH 37 NB

TRAFFIC

IH 94 WB ON TEMPORARY IH 94 EB MEDIAN WIDENING

IH 94 EB ON EXISTING MAINLINE

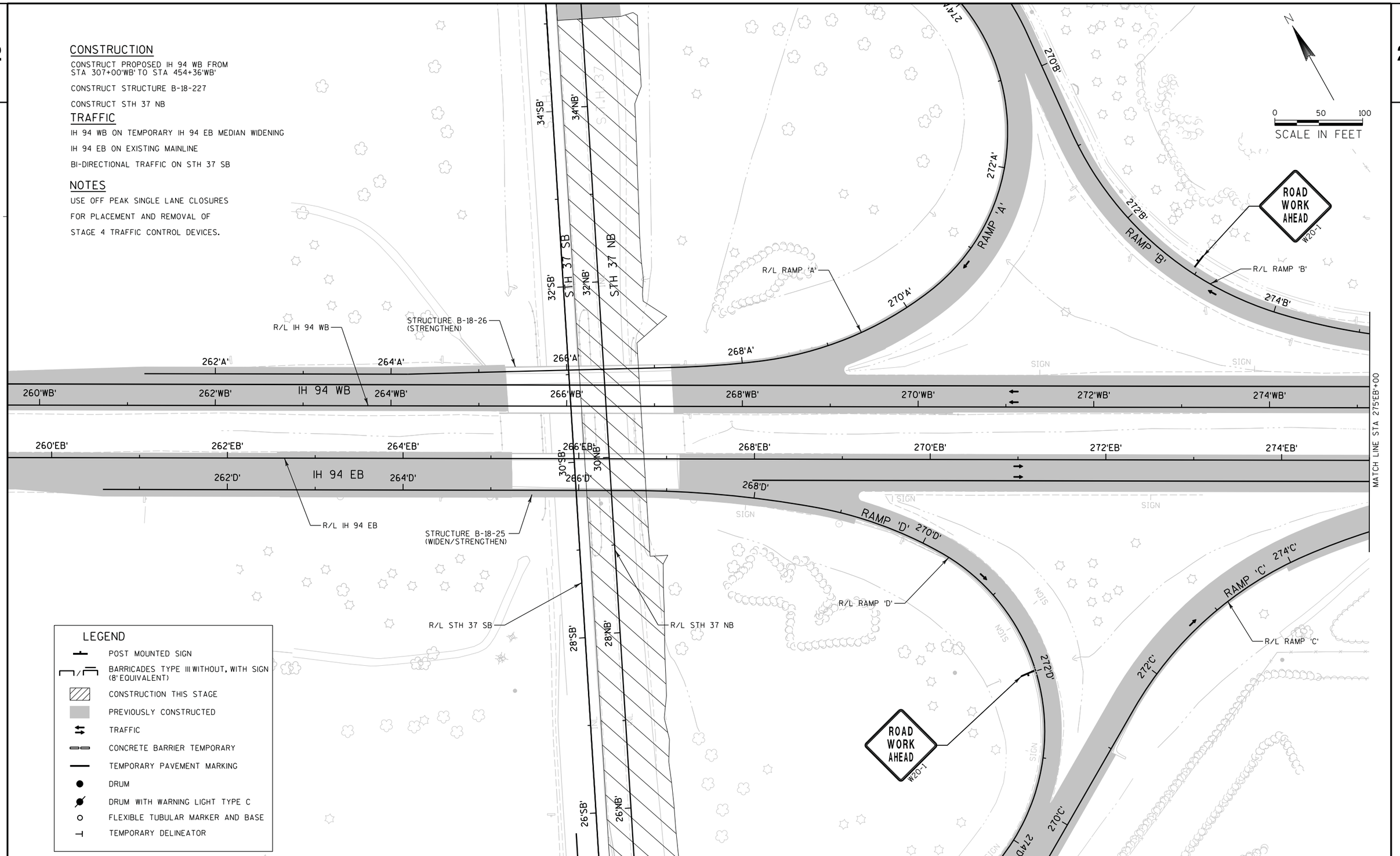
BI-DIRECTIONAL TRAFFIC ON STH 37 SB

NOTES

USE OFF PEAK SINGLE LANE CLOSURES

FOR PLACEMENT AND REMOVAL OF

STAGE 4 TRAFFIC CONTROL DEVICES.



PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CONSTRUCTION STAGING - STAGE 4	SHEET 268	E

2

CONSTRUCTION

CONSTRUCT PROPOSED IH 94 WB FROM STA 307+00'WB' TO STA 454+36'WB'

CONSTRUCT STRUCTURE B-18-227

CONSTRUCT STH 37 NB

TRAFFIC

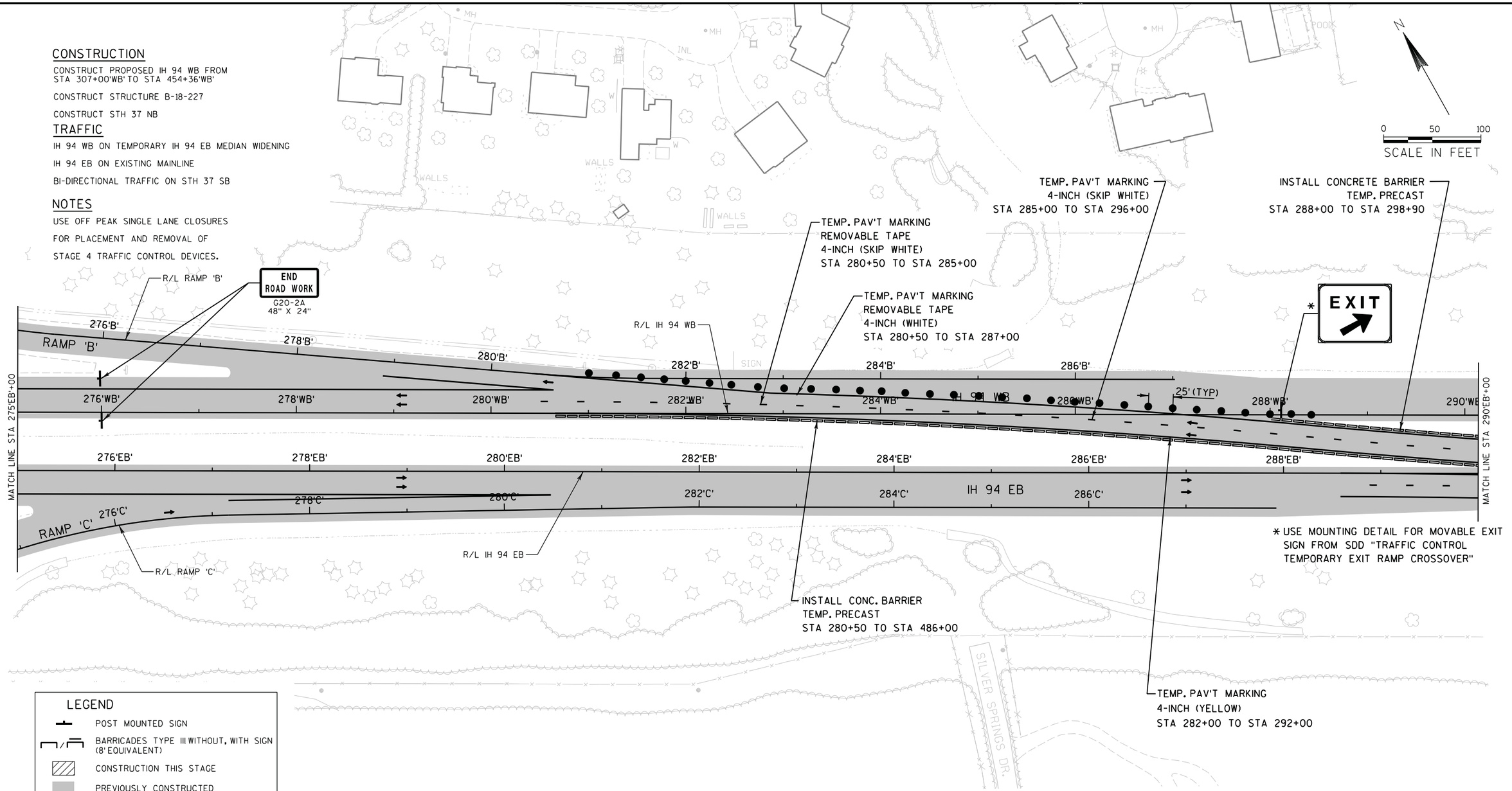
IH 94 WB ON TEMPORARY IH 94 EB MEDIAN WIDENING

IH 94 EB ON EXISTING MAINLINE

BI-DIRECTIONAL TRAFFIC ON STH 37 SB

NOTES

USE OFF PEAK SINGLE LANE CLOSURES FOR PLACEMENT AND REMOVAL OF STAGE 4 TRAFFIC CONTROL DEVICES.



LEGEND

- POST MOUNTED SIGN
- BARRICADES TYPE III WITHOUT, WITH SIGN (8' EQUIVALENT)
- CONSTRUCTION THIS STAGE
- PREVIOUSLY CONSTRUCTED
- TRAFFIC
- CONCRETE BARRIER TEMPORARY
- TEMPORARY PAVEMENT MARKING
- DRUM
- DRUM WITH WARNING LIGHT TYPE C
- FLEXIBLE TUBULAR MARKER AND BASE
- TEMPORARY DELINEATOR

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CONSTRUCTION STAGING - STAGE 4	SHEET 269	E

2

CONSTRUCTION

CONSTRUCT PROPOSED IH 94 WB FROM STA 307+00'WB' TO STA 454+36'WB'

CONSTRUCT STRUCTURE B-18-227

CONSTRUCT STH 37 NB

TRAFFIC

IH 94 WB ON TEMPORARY IH 94 EB MEDIAN WIDENING

IH 94 EB ON EXISTING MAINLINE

BI-DIRECTIONAL TRAFFIC ON STH 37 SB

NOTES

USE OFF PEAK SINGLE LANE CLOSURES FOR PLACEMENT AND REMOVAL OF STAGE 4 TRAFFIC CONTROL DEVICES.

N

0 50 100

SCALE IN FEET

INSTALL CONCRETE BARRIER TEMP. PRECAST STA 288+00 TO STA 298+90

TEMP. PAV'T MARKING REMOVABLE TAPE 4-INCH (YELLOW) STA 292+00 TO STA 319+00

TEMP. PAV'T MARKING REMOVABLE TAPE 4-INCH (WHITE) STA 298+75 TO STA 300+75

INSTALL CONCRETE BARRIER TEMP. PRECAST STA 300+60 TO STA 353+90

TEMP. PAV'T MARKING REMOVABLE TAPE 4-INCH (SKIP WHITE) STA 296+00 TO STA 304+00

TEMP. PAV'T MARKING 4-INCH (WHITE) STA 300+75 TO STA 353+75

TEMP. PAV'T MARKING 4-INCH (WHITE) STA 287+00 TO STA 298+75

REMOVE PAV'T MARKING 4-INCH (YELLOW) 4-INCH (SKIP WHITE) 4-INCH (WHITE) STA 289+00 TO STA 322+00

TEMP. PAV'T MARKING 4-INCH (SKIP WHITE) STA 304+00 TO STA 353+75

STRUCTURE B-18-204 (TO REMAIN)

R/L IH 94 WB

292'WB' 294'WB' 296'WB' IH 94 WB 298'WB' 300'WB' 302'WB' 304'WB'

MATCH LINE STA 290'EB+00

292'EB' 294'EB' 296'EB' 298'EB' 300'EB' 302'EB' 304'EB'

IH 94 EB

R/L IH 94 EB

INSTALL CRASH CUSHION TEMPORARY STA 291+50

INSTALL CONC. BARRIER TEMP. PRECAST STA 280+50 TO STA 486+00

INSTALL CONCRETE BARRIER TEMP. PRECAST STA 291+50 TO STA 298+90

TEMPORARY SHOULDER WIDENING CONSTRUCTED IN STAGE 3A

STRUCTURE B-18-203 (TO REMAIN)

INSTALL CONCRETE BARRIER TEMP. PRECAST STA 300+60 TO STA 304+10

TEMPORARY SHOULDER WIDENING CONSTRUCTED IN STAGE 3C

TEMP. PAV'T MARKING REMOVABLE TAPE 4-INCH (WHITE) STA 289+00 TO STA 291+50

TEMP. PAV'T MARKING 4-INCH (WHITE) STA 291+50 TO STA 322+00

TEMP. PAV'T MARKING REMOVABLE TAPE 4-INCH (YELLOW) 4-INCH (SKIP WHITE) STA 289+00 TO STA 322+00

LEGEND

- POST MOUNTED SIGN
- BARRICADES TYPE III WITHOUT, WITH SIGN (8' EQUIVALENT)
- CONSTRUCTION THIS STAGE
- PREVIOUSLY CONSTRUCTED
- TRAFFIC
- CONCRETE BARRIER TEMPORARY
- TEMPORARY PAVEMENT MARKING
- DRUM
- DRUM WITH WARNING LIGHT TYPE C
- FLEXIBLE TUBULAR MARKER AND BASE
- TEMPORARY DELINEATOR

① USE SDD "(CONCRETE BARRIER TEMPORARY PRECAST, 12'-6")" TO ATTACH AND INSTALL WALL AT BRIDGE PARAPET

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CONSTRUCTION STAGING - STAGE 4	SHEET 270	E

CONSTRUCTION

CONSTRUCT PROPOSED IH 94 WB FROM STA 307+00'WB' TO STA 454+36'WB'

CONSTRUCT STRUCTURE B-18-227

CONSTRUCT STH 37 NB

TRAFFIC

IH 94 WB ON TEMPORARY IH 94 EB MEDIAN WIDENING

IH 94 EB ON EXISTING MAINLINE

BI-DIRECTIONAL TRAFFIC ON STH 37 SB

NOTES

USE OFF PEAK SINGLE LANE CLOSURES

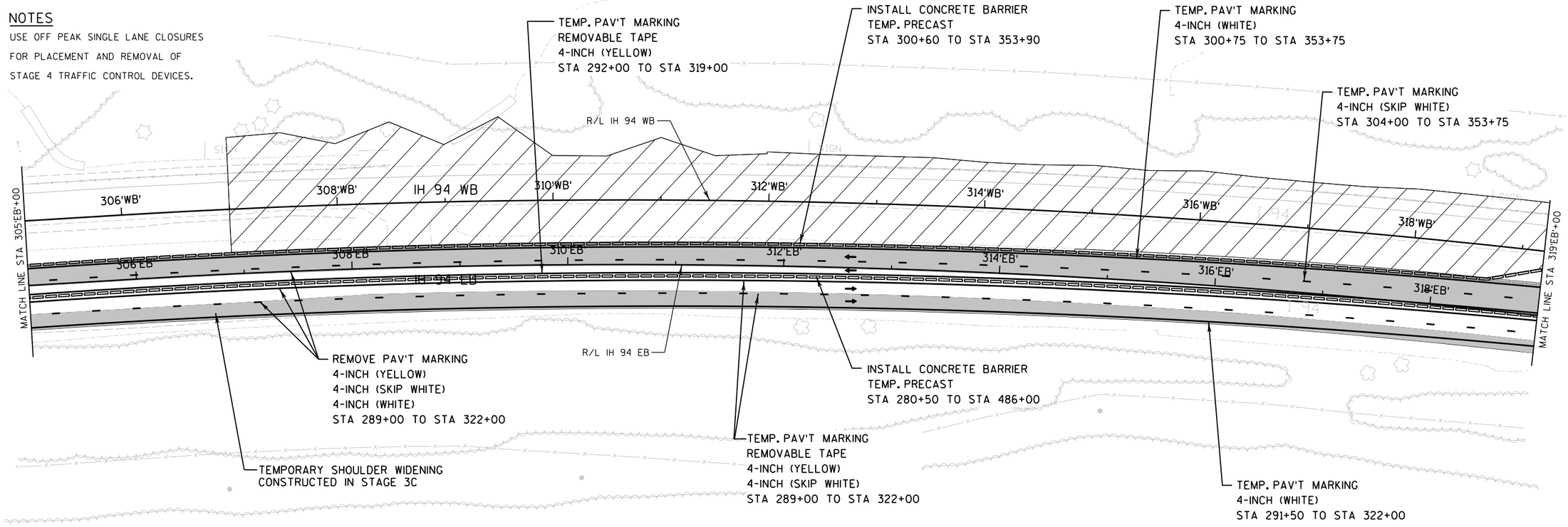
FOR PLACEMENT AND REMOVAL OF

STAGE 4 TRAFFIC CONTROL DEVICES.

N

0 50 100

SCALE IN FEET



LEGEND

- POST MOUNTED SIGN
- BARRICADES TYPE III WITHOUT, WITH SIGN (8' EQUIVALENT)
- CONSTRUCTION THIS STAGE
- PREVIOUSLY CONSTRUCTED
- TRAFFIC
- CONCRETE BARRIER TEMPORARY
- TEMPORARY PAVEMENT MARKING
- DRUM
- DRUM WITH WARNING LIGHT TYPE C
- FLEXIBLE TUBULAR MARKER AND BASE
- TEMPORARY DELINEATOR

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CONSTRUCTION STAGING - STAGE 4	SHEET 271	E

2

CONSTRUCTION

CONSTRUCT PROPOSED IH 94 WB FROM STA 307+00'WB' TO STA 454+36'WB'

CONSTRUCT STRUCTURE B-18-227

CONSTRUCT STH 37 NB

TRAFFIC

IH 94 WB ON TEMPORARY IH 94 EB MEDIAN WIDENING

IH 94 EB ON EXISTING MAINLINE

BI-DIRECTIONAL TRAFFIC ON STH 37 SB

NOTES

USE OFF PEAK SINGLE LANE CLOSURES FOR PLACEMENT AND REMOVAL OF STAGE 4 TRAFFIC CONTROL DEVICES.

N

0 50 100
SCALE IN FEET

MOVE CONC. BARRIER
TEMP. PRECAST
STA 318+50 TO 321+50
INSTALL BARRIER TEMP. PRECAST
(ADDITIONAL 25' FOR TAPER)

INSTALL CONCRETE BARRIER
TEMP. PRECAST
STA 300+60 TO STA 353+90

TEMP. PAV'T MARKING
4-INCH (WHITE)
STA 300+75 TO STA 353+75

SEE DETAIL "TEMPORARY EMERGENCY PULLOUTS"

EMERGENCY PARKING 2 HR MAX
R8-54
48" X 36"

TEMP. PAV'T MARKING
4-INCH (SKIP WHITE)
STA 304+00 TO STA 353+75

TEMP. PAV'T MARKING
4-INCH (YELLOW)
STA 319+00 TO STA 353+75

R/L IH 94 WB

320'WB' 322'WB' 324'WB' 326'WB' 328'WB' 330'WB' 332'WB' 334'WB'

320'EB' 322'EB' 324'EB' 326'EB' 328'EB' 330'EB' 332'EB'

IH 94 WB

IH 94 EB

SIGN

MATCH LINE STA 334'EB'+00

R/L IH 94 EB

TEMP. PAV'T MARKING
4-INCH (WHITE)
STA 291+50 TO STA 322+00

TEMP. PAV'T MARKING
REMOVABLE TAPE
4-INCH (SKIP WHITE)
4-INCH (YELLOW)
STA 289+00 TO STA 322+00

INSTALL CONC. BARRIER
TEMP. PRECAST
STA 280+50 TO STA 486+00

REMOVE PAV'T MARKING
4-INCH (YELLOW)
4-INCH (SKIP WHITE)
4-INCH (WHITE)
STA 289+00 TO STA 322+00

LEGEND

- POST MOUNTED SIGN
- BARRICADES TYPE III WITHOUT, WITH SIGN (8' EQUIVALENT)
- CONSTRUCTION THIS STAGE
- PREVIOUSLY CONSTRUCTED
- TRAFFIC
- CONCRETE BARRIER TEMPORARY
- TEMPORARY PAVEMENT MARKING
- DRUM
- DRUM WITH WARNING LIGHT TYPE C
- FLEXIBLE TUBULAR MARKER AND BASE
- TEMPORARY DELINEATOR

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CONSTRUCTION STAGING - STAGE 4	SHEET 272	E

CONSTRUCTION

CONSTRUCT PROPOSED IH 94 WB FROM STA 307+00'WB' TO STA 454+36'WB'

CONSTRUCT STRUCTURE B-18-227

CONSTRUCT STH 37 NB

TRAFFIC

IH 94 WB ON TEMPORARY IH 94 EB MEDIAN WIDENING

IH 94 EB ON EXISTING MAINLINE

BI-DIRECTIONAL TRAFFIC ON STH 37 SB

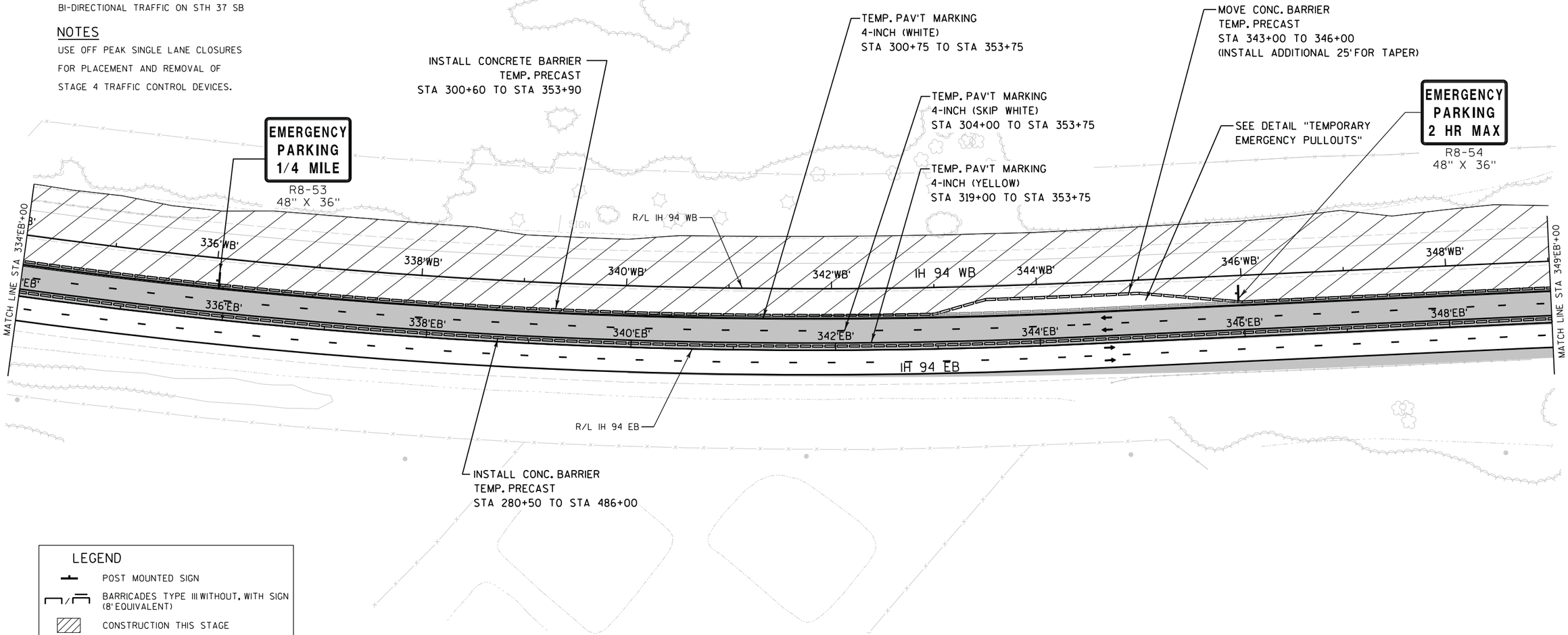
NOTES

USE OFF PEAK SINGLE LANE CLOSURES FOR PLACEMENT AND REMOVAL OF STAGE 4 TRAFFIC CONTROL DEVICES.

N

0 50 100

SCALE IN FEET



LEGEND

- POST MOUNTED SIGN
- BARRICADES TYPE III WITHOUT, WITH SIGN (8' EQUIVALENT)
- CONSTRUCTION THIS STAGE
- PREVIOUSLY CONSTRUCTED
- TRAFFIC
- CONCRETE BARRIER TEMPORARY
- TEMPORARY PAVEMENT MARKING
- DRUM
- DRUM WITH WARNING LIGHT TYPE C
- FLEXIBLE TUBULAR MARKER AND BASE
- TEMPORARY DELINEATOR

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CONSTRUCTION STAGING - STAGE 4	SHEET 273	E

2

CONSTRUCTION

CONSTRUCT PROPOSED IH 94 WB FROM STA 307+00'WB' TO STA 454+36'WB'

CONSTRUCT STRUCTURE B-18-227

CONSTRUCT STH 37 NB

TRAFFIC

IH 94 WB ON TEMPORARY IH 94 EB MEDIAN WIDENING

IH 94 EB ON EXISTING MAINLINE

BI-DIRECTIONAL TRAFFIC ON STH 37 SB

NOTES

USE OFF PEAK SINGLE LANE CLOSURES

FOR PLACEMENT AND REMOVAL OF

STAGE 4 TRAFFIC CONTROL DEVICES.

① USE SDD "(CONCRETE BARRIER TEMPORARY PRECAST, 12'-6")" TO ATTACH AND INSTALL WALL AT BRIDGE PARAPET

N

0 50 100

SCALE IN FEET

TEMP. PAV'T MARKING
4-INCH (YELLOW)
4-INCH (SKIP WHITE)
4-INCH (WHITE)
STA 358+00 TO STA 401+00

TEMP. PAV'T MARKING
REMOVABLE TAPE
4-INCH (YELLOW)
4-INCH (SKIP WHITE)
4-INCH (WHITE)
STA 353+75 TO STA 358+00

INSTALL CONCRETE BARRIER
TEMP. PRECAST
STA 354+95 TO STA 406+10

STRUCTURE B-18-30
(TO REMAIN)

EMERGENCY
PARKING
1/4 MILE
R8-53
48" X 36"

INSTALL CONC. BARRIER
TEMP. PRECAST
STA 300+60 TO STA 353+90

R/L IH 94 WB

MATCH LINE STA 349'EB'+00

350'WB' 352'WB' 354'WB' 356'WB' IH 94 WB 358'WB' 360'WB' 362'WB' 364'WB'

350'EB' 352'EB' 354'EB' 356'EB' 358'EB' 360'EB' 362'EB' 364'EB'

IH 94 EB

R/L IH 94 EB

INSTALL CONC. BARRIER
TEMP. PRECAST
STA 350+00 TO STA 353+95

TEMPORARY SHOULDER WIDENING
CONSTRUCTED IN STAGE 1B

INSTALL CRASH CUSHION TEMP.
STA 350+00

STRUCTURE B-18-29
(WIDEN)

CTH F

REMOVE PAV'T MARKING
4-INCH (YELLOW)
4-INCH (SKIP WHITE)
4-INCH (WHITE)
STA 353+00 TO STA 358+00

TEMP. PAV'T MARKING
REMOVABLE TAPE
4-INCH (YELLOW)
4-INCH (SKIP WHITE)
4-INCH (WHITE)
STA 353+00 TO STA 358+00

INSTALL CONC. BARRIER
TEMP. PRECAST
STA 355+10 TO STA 360+50

INSTALL CONC. BARRIER
TEMP. PRECAST
STA 280+50 TO STA 486+00

SIGN

LEGEND

- POST MOUNTED SIGN
- BARRICADES TYPE III WITHOUT, WITH SIGN (8' EQUIVALENT)
- CONSTRUCTION THIS STAGE
- PREVIOUSLY CONSTRUCTED
- TRAFFIC
- CONCRETE BARRIER TEMPORARY
- TEMPORARY PAVEMENT MARKING
- DRUM
- DRUM WITH WARNING LIGHT TYPE C
- FLEXIBLE TUBULAR MARKER AND BASE
- TEMPORARY DELINEATOR

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CONSTRUCTION STAGING - STAGE 4	SHEET 274	E

2

CONSTRUCTION

CONSTRUCT PROPOSED IH 94 WB FROM STA 307+00'WB' TO STA 454+36'WB'

CONSTRUCT STRUCTURE B-18-227

CONSTRUCT STH 37 NB

TRAFFIC

IH 94 WB ON TEMPORARY IH 94 EB MEDIAN WIDENING

IH 94 EB ON EXISTING MAINLINE

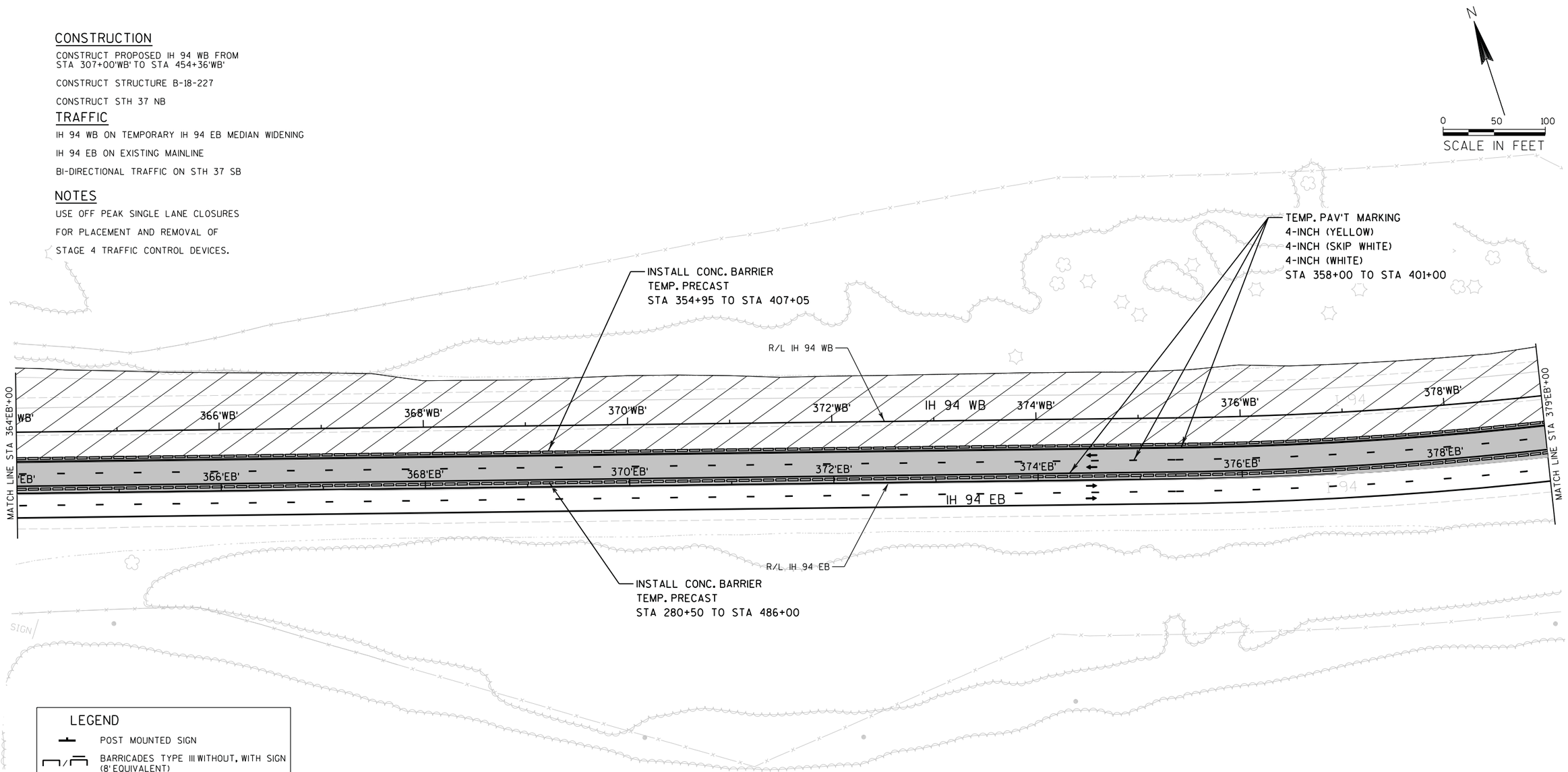
BI-DIRECTIONAL TRAFFIC ON STH 37 SB

NOTES

USE OFF PEAK SINGLE LANE CLOSURES

FOR PLACEMENT AND REMOVAL OF

STAGE 4 TRAFFIC CONTROL DEVICES.



LEGEND

- POST MOUNTED SIGN
- BARRICADES TYPE III WITHOUT, WITH SIGN (8' EQUIVALENT)
- CONSTRUCTION THIS STAGE
- PREVIOUSLY CONSTRUCTED
- TRAFFIC
- CONCRETE BARRIER TEMPORARY
- TEMPORARY PAVEMENT MARKING
- DRUM
- DRUM WITH WARNING LIGHT TYPE C
- FLEXIBLE TUBULAR MARKER AND BASE
- TEMPORARY DELINEATOR

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CONSTRUCTION STAGING - STAGE 4	SHEET 275	E

2

CONSTRUCTION

CONSTRUCT PROPOSED IH 94 WB FROM STA 307+00'WB' TO STA 454+36'WB'

CONSTRUCT STRUCTURE B-18-227

CONSTRUCT STH 37 NB

TRAFFIC

IH 94 WB ON TEMPORARY IH 94 EB MEDIAN WIDENING

IH 94 EB ON EXISTING MAINLINE

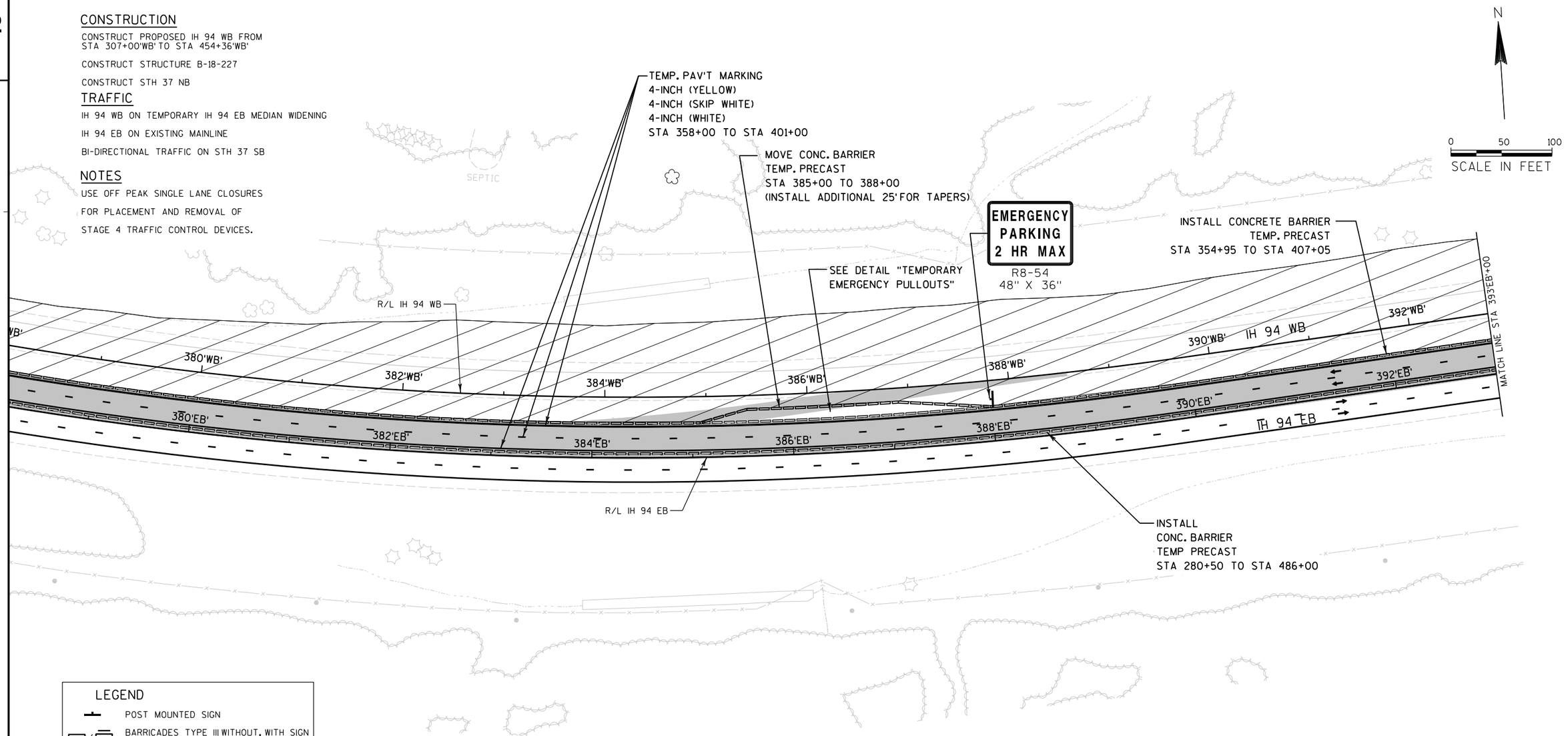
BI-DIRECTIONAL TRAFFIC ON STH 37 SB

NOTES

USE OFF PEAK SINGLE LANE CLOSURES

FOR PLACEMENT AND REMOVAL OF

STAGE 4 TRAFFIC CONTROL DEVICES.



LEGEND

- POST MOUNTED SIGN
- BARRICADES TYPE III WITHOUT, WITH SIGN (8' EQUIVALENT)
- CONSTRUCTION THIS STAGE
- PREVIOUSLY CONSTRUCTED
- TRAFFIC
- CONCRETE BARRIER TEMPORARY
- TEMPORARY PAVEMENT MARKING
- DRUM
- DRUM WITH WARNING LIGHT TYPE C
- FLEXIBLE TUBULAR MARKER AND BASE
- TEMPORARY DELINEATOR

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CONSTRUCTION STAGING - STAGE 4	SHEET 276	E

2

CONSTRUCTION

CONSTRUCT PROPOSED IH 94 WB FROM STA 307+00'WB' TO STA 454+36'WB'

CONSTRUCT STRUCTURE B-18-227

CONSTRUCT STH 37 NB

TRAFFIC

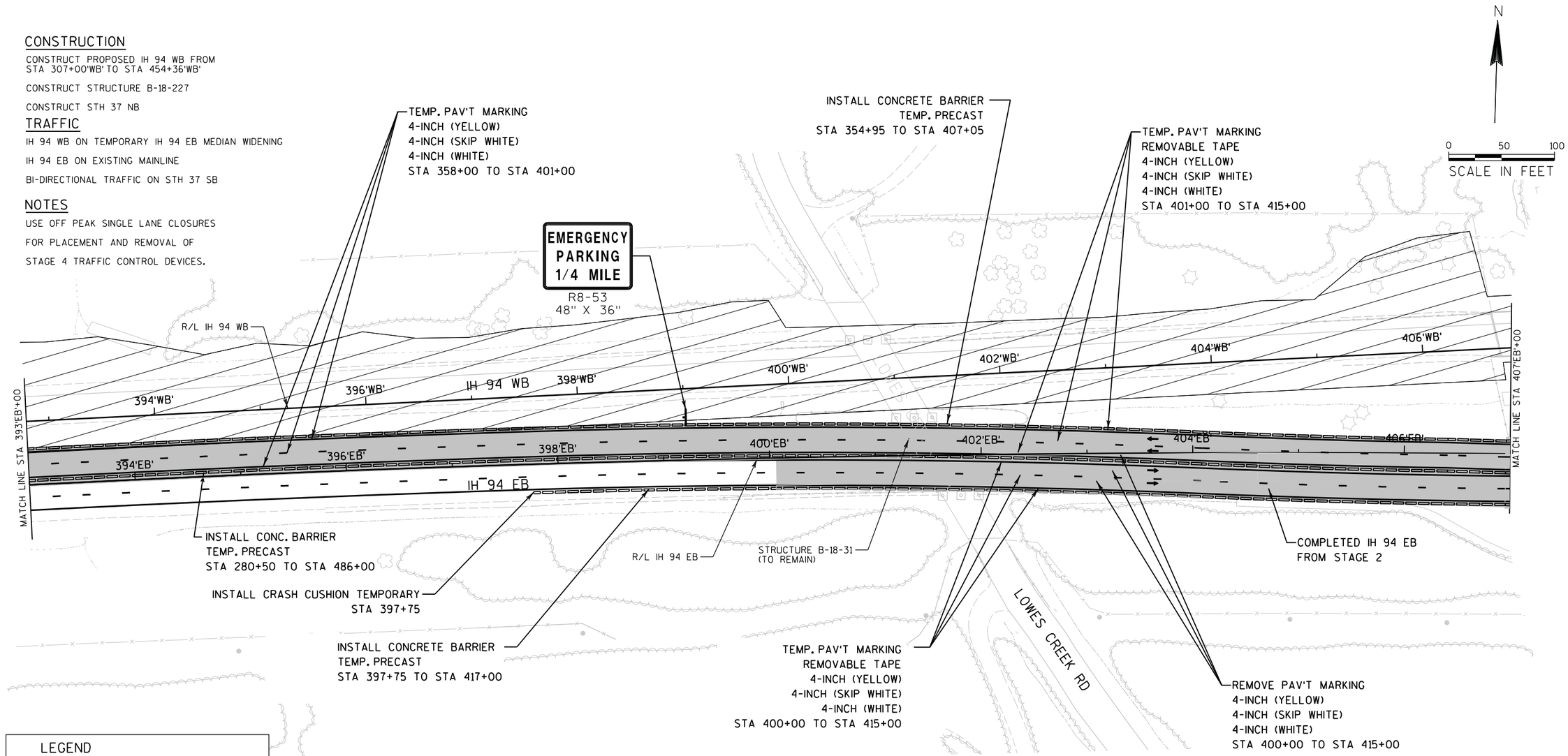
IH 94 WB ON TEMPORARY IH 94 EB MEDIAN WIDENING

IH 94 EB ON EXISTING MAINLINE

BI-DIRECTIONAL TRAFFIC ON STH 37 SB

NOTES

USE OFF PEAK SINGLE LANE CLOSURES FOR PLACEMENT AND REMOVAL OF STAGE 4 TRAFFIC CONTROL DEVICES.



LEGEND

- POST MOUNTED SIGN
- BARRICADES TYPE III WITHOUT, WITH SIGN (8' EQUIVALENT)
- CONSTRUCTION THIS STAGE
- PREVIOUSLY CONSTRUCTED
- TRAFFIC
- CONCRETE BARRIER TEMPORARY
- TEMPORARY PAVEMENT MARKING
- DRUM
- DRUM WITH WARNING LIGHT TYPE C
- FLEXIBLE TUBULAR MARKER AND BASE
- TEMPORARY DELINEATOR

2

CONSTRUCTION

CONSTRUCT PROPOSED IH 94 WB FROM STA 307+00'WB' TO STA 454+36'WB'

CONSTRUCT STRUCTURE B-18-227

CONSTRUCT STH 37 NB

TRAFFIC

IH 94 WB ON TEMPORARY IH 94 EB MEDIAN WIDENING

IH 94 EB ON EXISTING MAINLINE

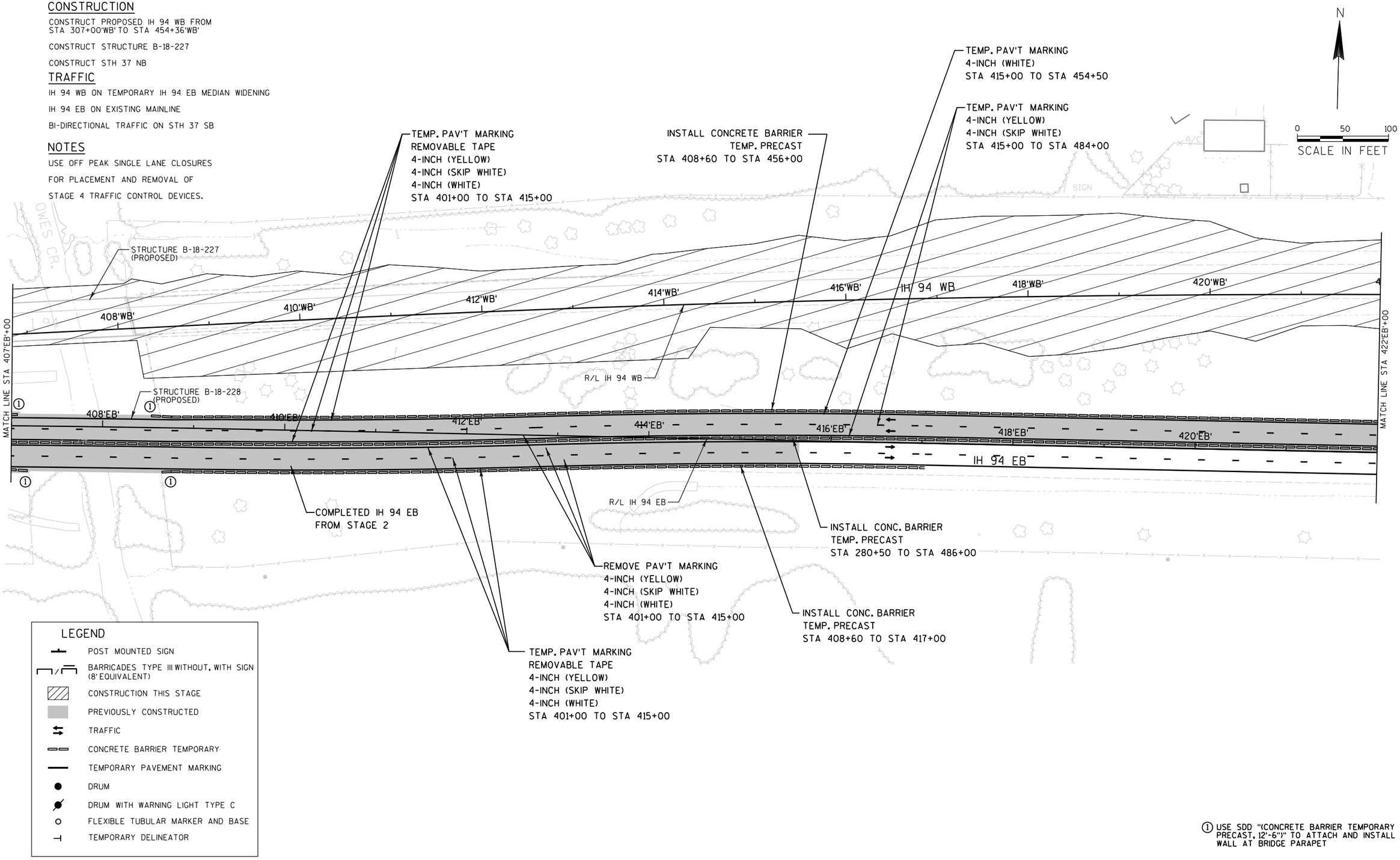
BI-DIRECTIONAL TRAFFIC ON STH 37 SB

NOTES

USE OFF PEAK SINGLE LANE CLOSURES

FOR PLACEMENT AND REMOVAL OF

STAGE 4 TRAFFIC CONTROL DEVICES.



① USE SDD "(CONCRETE BARRIER TEMPORARY PRECAST, 12'-6")" TO ATTACH AND INSTALL WALL AT BRIDGE PARAPET

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CONSTRUCTION STAGING - STAGE 4	SHEET 278	E

FILE NAME : ...\CH_0803_026412_S4.dgn PLOT DATE : 3/1/2013 PLOT BY : SEH PLOT NAME : PLOT SCALE : N/A

WISDOT/CADDS SHEET 42

2

CONSTRUCTION

CONSTRUCT PROPOSED IH 94 WB FROM STA 307+00'WB' TO STA 454+36'WB'

CONSTRUCT STRUCTURE B-18-227

CONSTRUCT STH 37 NB

TRAFFIC

IH 94 WB ON TEMPORARY IH 94 EB MEDIAN WIDENING

IH 94 EB ON EXISTING MAINLINE

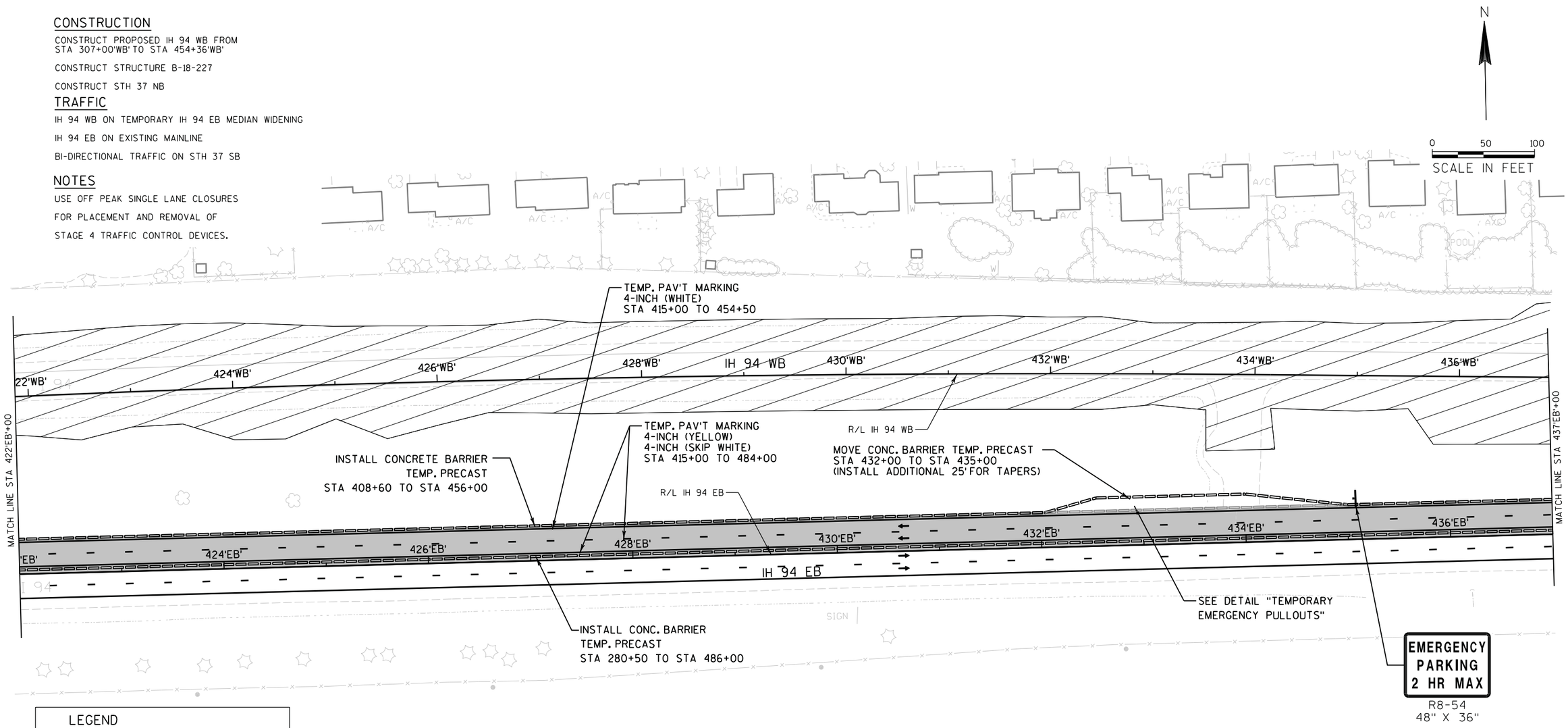
BI-DIRECTIONAL TRAFFIC ON STH 37 SB

NOTES

USE OFF PEAK SINGLE LANE CLOSURES

FOR PLACEMENT AND REMOVAL OF

STAGE 4 TRAFFIC CONTROL DEVICES.



LEGEND

- POST MOUNTED SIGN
- BARRICADES TYPE III WITHOUT, WITH SIGN (8' EQUIVALENT)
- CONSTRUCTION THIS STAGE
- PREVIOUSLY CONSTRUCTED
- TRAFFIC
- CONCRETE BARRIER TEMPORARY
- TEMPORARY PAVEMENT MARKING
- DRUM
- DRUM WITH WARNING LIGHT TYPE C
- FLEXIBLE TUBULAR MARKER AND BASE
- TEMPORARY DELINEATOR

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CONSTRUCTION STAGING - STAGE 4	SHEET 279	E

2

CONSTRUCTION

CONSTRUCT PROPOSED IH 94 WB FROM STA 307+00'WB' TO STA 454+36'WB'

CONSTRUCT STRUCTURE B-18-227

CONSTRUCT STH 37 NB

TRAFFIC

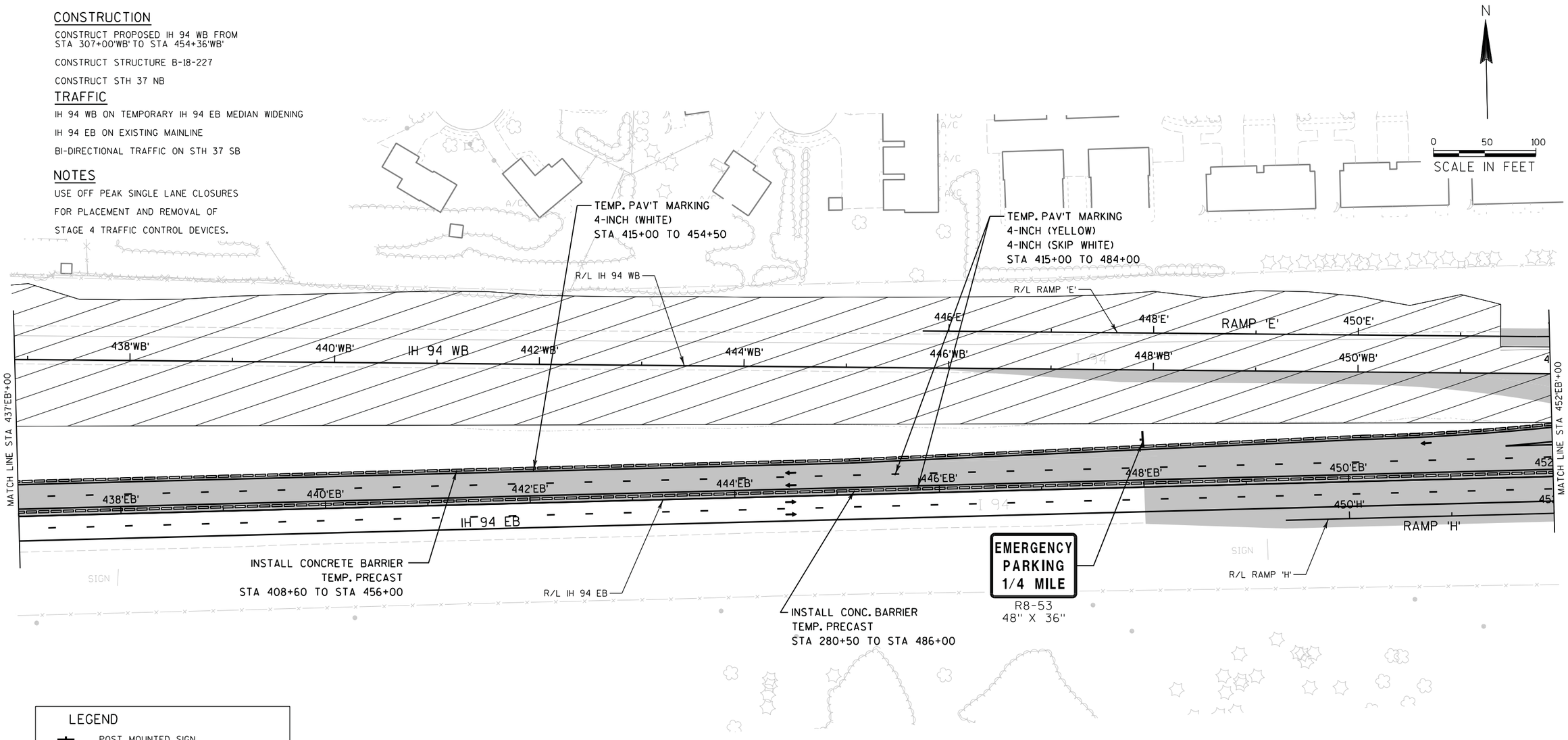
IH 94 WB ON TEMPORARY IH 94 EB MEDIAN WIDENING

IH 94 EB ON EXISTING MAINLINE

BI-DIRECTIONAL TRAFFIC ON STH 37 SB

NOTES

USE OFF PEAK SINGLE LANE CLOSURES FOR PLACEMENT AND REMOVAL OF STAGE 4 TRAFFIC CONTROL DEVICES.



LEGEND

- POST MOUNTED SIGN
- BARRICADES TYPE III WITHOUT, WITH SIGN (8' EQUIVALENT)
- CONSTRUCTION THIS STAGE
- PREVIOUSLY CONSTRUCTED
- TRAFFIC
- CONCRETE BARRIER TEMPORARY
- TEMPORARY PAVEMENT MARKING
- DRUM
- DRUM WITH WARNING LIGHT TYPE C
- FLEXIBLE TUBULAR MARKER AND BASE
- TEMPORARY DELINEATOR

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CONSTRUCTION STAGING - STAGE 4	SHEET 280	E

2

CONSTRUCTION

CONSTRUCT PROPOSED IH 94 WB FROM STA 307+00'WB' TO STA 454+36'WB'

CONSTRUCT STRUCTURE B-18-227

CONSTRUCT STH 37 NB

TRAFFIC

IH 94 WB ON TEMPORARY IH 94 EB MEDIAN WIDENING

IH 94 EB ON EXISTING MAINLINE

BI-DIRECTIONAL TRAFFIC ON STH 37 SB

NOTES

USE OFF PEAK SINGLE LANE CLOSURES FOR PLACEMENT AND REMOVAL OF STAGE 4 TRAFFIC CONTROL DEVICES.

N

0 50 100

SCALE IN FEET

TEMP PAV'T MARKING
REMOVABLE TAPE
4-INCH (WHITE)
STA 454+50 TO STA 459+00

TEMP PAV'T MARKING
REMOVABLE TAPE
4-INCH (WHITE)
STA 452+50 TO STA 459+00

INSTALL CONC. BARRIER
TEMP. PRECAST
STA 408+60 TO STA 456+00

INSTALL CRASH CUSHION TEMPORARY
STA 456+00

INSTALL CONC. BARRIER
TEMP. PRECAST
STA 452+50 TO STA 479+00

TEMP PAV'T MARKING
4-INCH (WHITE)
STA 415+00 TO STA 454+50

ROAD CLOSED
R11-2
48" X 30"

ROAD CLOSED
R11-2
48" X 30"

ROAD CLOSED
R11-2
48" X 30"

ROAD WORK AHEAD
W20-1

25' (TYP)

RAMP 'E'

R/L RAMP 'E'

R/L IH 94 WB

IH 94 WB

IH 94 EB

452'E' 454'E' 456'E' 458'E' 460'E' 462'E' 464'E' 466'E'

452'WB' 454'WB' 456'WB' 458'WB' 460'WB' 462'WB' 464'WB' 466'WB'

452'EB' 454'EB' 456'EB' 458'EB' 460'EB' 462'EB' 464'EB' 466'EB'

454'H' 456'H' 458'H' 460'H' 462'H' 464'H' 466'H'

MATCH LINE STA 452'EB'+00

MATCH LINE STA 467'EB'+00

R/L RAMP 'H'

TEMP PAV'T MARKING
REMOVABLE TAPE
8-INCH (WHITE)
STA 451+50 TO STA 452+50

W4-1
36" X 36"

TEMP PAV'T MARKING
4-INCH (WHITE)
STA 452+50 TO STA 478+00

TEMP PAV'T MARKING
4-INCH (YELLOW)
4-INCH (SKIP WHITE)
STA 415+00 TO STA 484+00

INSTALL CRASH CUSHION TEMPORARY
STA 464+50

INSTALL CONC. BARRIER
TEMP. PRECAST
STA 280+50 TO STA 486+00

INSTALL CONC. BARRIER
TEMP. PRECAST
STA 464+50 TO STA 475+25

RAMP 'H'

SIGN

SIGN I

SIGN I

SIGN I

LEGEND

- POST MOUNTED SIGN
- BARRICADES TYPE III WITHOUT, WITH SIGN (8' EQUIVALENT)
- CONSTRUCTION THIS STAGE
- PREVIOUSLY CONSTRUCTED
- TRAFFIC
- CONCRETE BARRIER TEMPORARY
- TEMPORARY PAVEMENT MARKING
- DRUM
- DRUM WITH WARNING LIGHT TYPE C
- FLEXIBLE TUBULAR MARKER AND BASE
- TEMPORARY DELINEATOR

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CONSTRUCTION STAGING - STAGE 4	SHEET 281	E

CONSTRUCTION

CONSTRUCT PROPOSED IH 94 WB FROM STA 307+00'WB' TO STA 454+36'WB'

CONSTRUCT STRUCTURE B-18-227

CONSTRUCT STH 37 NB

TRAFFIC

IH 94 WB ON TEMPORARY IH 94 EB MEDIAN WIDENING

IH 94 EB ON EXISTING MAINLINE

BI-DIRECTIONAL TRAFFIC ON STH 37 SB

NOTES

USE OFF PEAK SINGLE LANE CLOSURES

FOR PLACEMENT AND REMOVAL OF

STAGE 4 TRAFFIC CONTROL DEVICES.

N

0 50 100

SCALE IN FEET

TEMP. PAV'T MARKING
4-INCH (WHITE)
STA 452+50 TO 478+00

TEMP. PAV'T MARKING
4-INCH (YELLOW)
4-INCH (SKIP WHITE)
STA 415+00 TO 484+00

INSTALL CONC. BARRIER
TEMP. PRECAST
STA 452+50 TO STA 479+00

ROAD CLOSED
R11-2
48" X 30"

TEMP. PAV'T MARKING
REMOVABLE TAPE
4-INCH (WHITE)
STA 478+00 TO 485+00

STRUCTURE
B-18-119
(TO REMAIN)

R/L IH 94 WB

R/L RAMP 'F'

25' (TYP)

468'F' 470'F' 472'F' 474'F' RAMP 'F' 476'F' 478'F' 480'F'

468'WB' 470'WB' 472'WB' IH 94 WB 474'WB' 476'WB' 478'WB' 480'WB'

MATCH LINE STA 467'EB'+00

468'EB' 470'EB' 472'EB' 474'EB' 476'EB' 478'EB' 480'EB' IH 94 EB

MATCH LINE STA 481'EB'+00

480'G'

R/L IH 94 EB

R/L RAMP 'C'

INSTALL CONC. BARRIER
TEMP. PRECAST
STA 464+50 TO STA 475+25

INSTALL CONC. BARRIER
TEMP. PRECAST
STA 280+50 TO STA 486+00

INSTALL CRASH CUSHION TEMPORARY
STA 479+00

STRUCTURE
B-18-34
(TO REMAIN)

STH 93

478'G' 476'G' RAMP 'C' 474'G' 472'G' 470'G' 468'H' 470'H'/468'G'

LEGEND

- POST MOUNTED SIGN
- BARRICADES TYPE III WITHOUT, WITH SIGN (8' EQUIVALENT)
- CONSTRUCTION THIS STAGE
- PREVIOUSLY CONSTRUCTED
- TRAFFIC
- CONCRETE BARRIER TEMPORARY
- TEMPORARY PAVEMENT MARKING
- DRUM
- DRUM WITH WARNING LIGHT TYPE C
- FLEXIBLE TUBULAR MARKER AND BASE
- TEMPORARY DELINEATOR

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CONSTRUCTION STAGING - STAGE 4	SHEET 282	E

2

CONSTRUCTION

CONSTRUCT PROPOSED IH 94 WB FROM STA 307+00'WB' TO STA 454+36'WB'

CONSTRUCT STRUCTURE B-18-227

CONSTRUCT STH 37 NB

TRAFFIC

IH 94 WB ON TEMPORARY IH 94 EB MEDIAN WIDENING

IH 94 EB ON EXISTING MAINLINE

BI-DIRECTIONAL TRAFFIC ON STH 37 SB

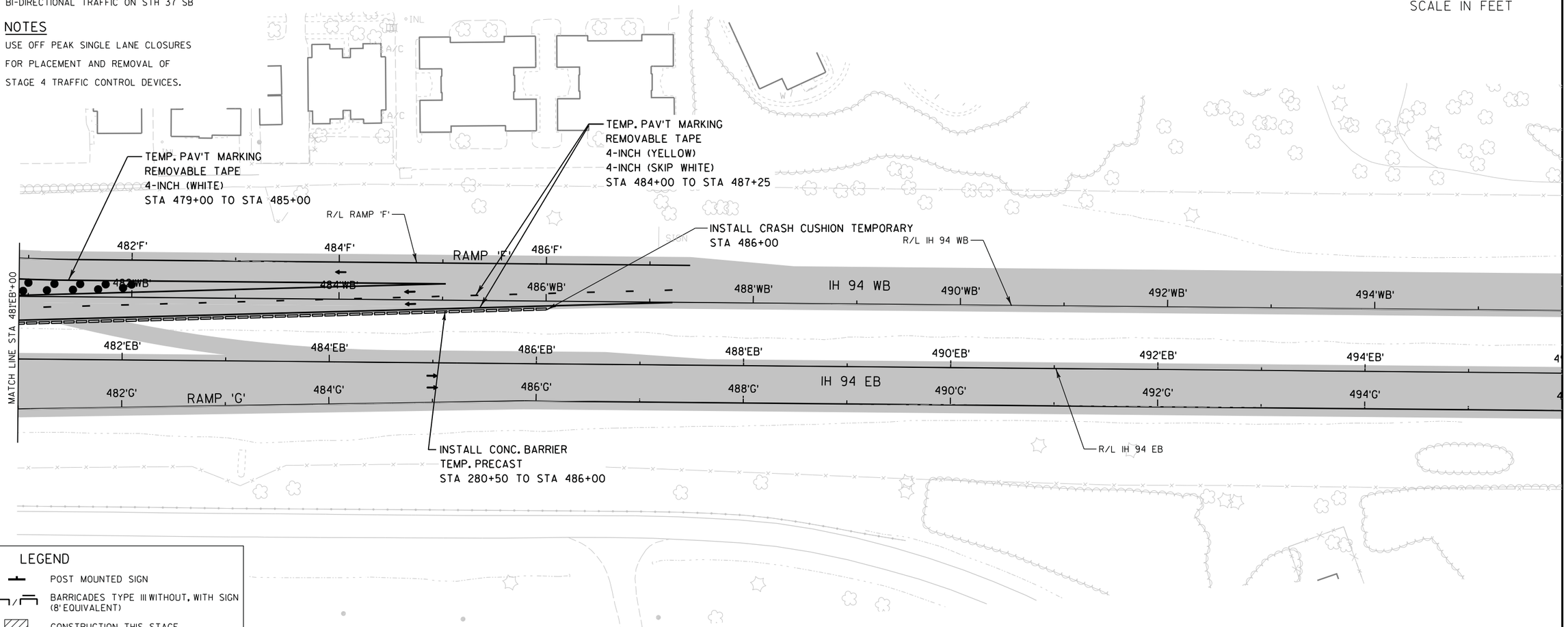
NOTES

USE OFF PEAK SINGLE LANE CLOSURES FOR PLACEMENT AND REMOVAL OF STAGE 4 TRAFFIC CONTROL DEVICES.

N

0 50 100

SCALE IN FEET



LEGEND

- POST MOUNTED SIGN
- BARRICADES TYPE III WITHOUT, WITH SIGN (8' EQUIVALENT)
- CONSTRUCTION THIS STAGE
- PREVIOUSLY CONSTRUCTED
- TRAFFIC
- CONCRETE BARRIER TEMPORARY
- TEMPORARY PAVEMENT MARKING
- DRUM
- DRUM WITH WARNING LIGHT TYPE C
- FLEXIBLE TUBULAR MARKER AND BASE
- TEMPORARY DELINEATOR

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CONSTRUCTION STAGING - STAGE 4	SHEET 283	E

CONSTRUCTION

CONSTRUCT PROPOSED IH 94 WB FROM STA 307+00'WB' TO STA 454+36'WB'

CONSTRUCT STRUCTURE B-18-227

CONSTRUCT STH 37 NB

TRAFFIC

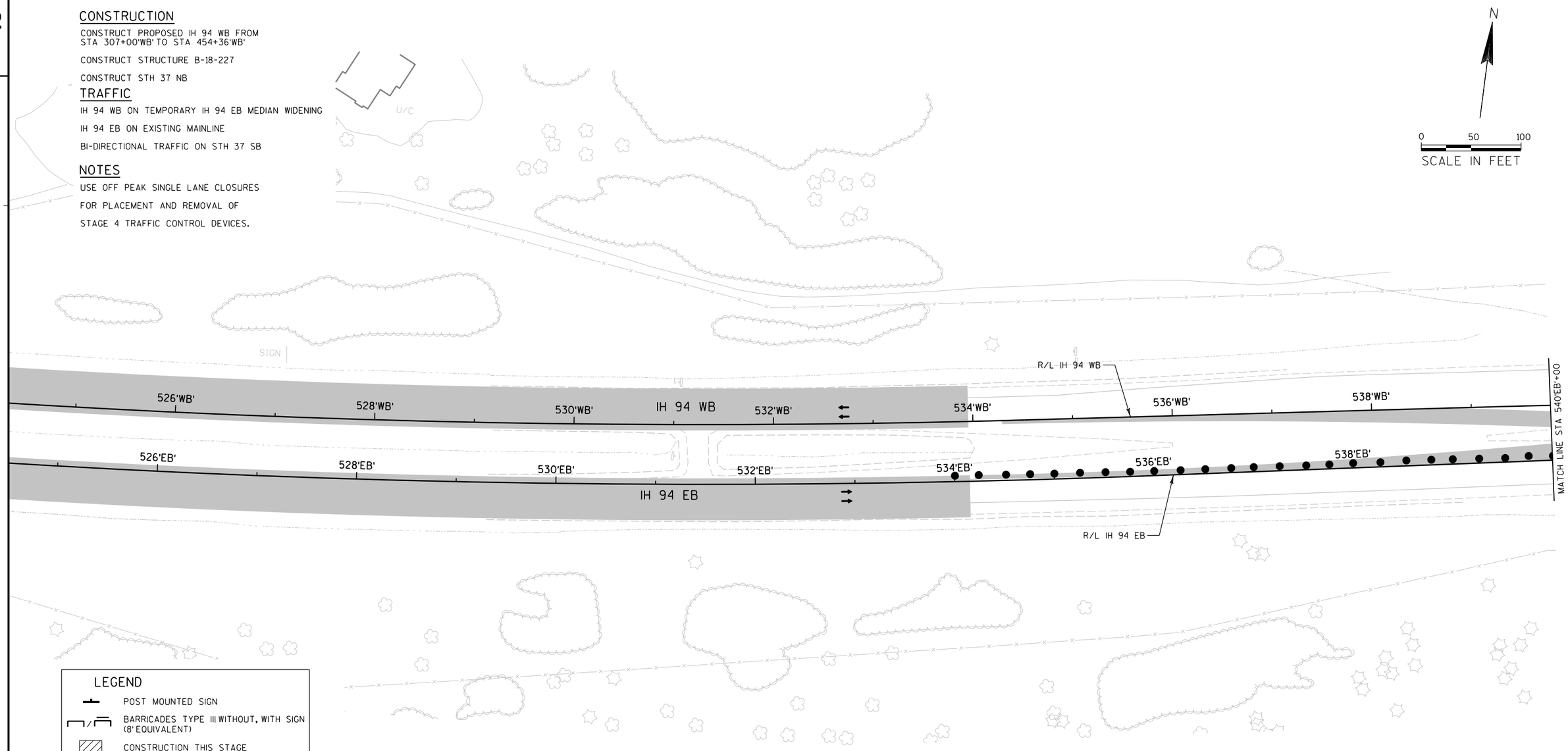
IH 94 WB ON TEMPORARY IH 94 EB MEDIAN WIDENING

IH 94 EB ON EXISTING MAINLINE

BI-DIRECTIONAL TRAFFIC ON STH 37 SB

NOTES

USE OFF PEAK SINGLE LANE CLOSURES FOR PLACEMENT AND REMOVAL OF STAGE 4 TRAFFIC CONTROL DEVICES.



LEGEND

- POST MOUNTED SIGN
- BARRICADES TYPE III WITHOUT, WITH SIGN (8' EQUIVALENT)
- CONSTRUCTION THIS STAGE
- PREVIOUSLY CONSTRUCTED
- TRAFFIC
- CONCRETE BARRIER TEMPORARY
- TEMPORARY PAVEMENT MARKING
- DRUM
- DRUM WITH WARNING LIGHT TYPE C
- FLEXIBLE TUBULAR MARKER AND BASE
- TEMPORARY DELINEATOR

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CONSTRUCTION STAGING - STAGE 4	SHEET 284	E

2

CONSTRUCTION

CONSTRUCT PROPOSED IH 94 WB FROM STA 307+00'WB' TO STA 454+36'WB'

CONSTRUCT STRUCTURE B-18-227

CONSTRUCT STH 37 NB

TRAFFIC

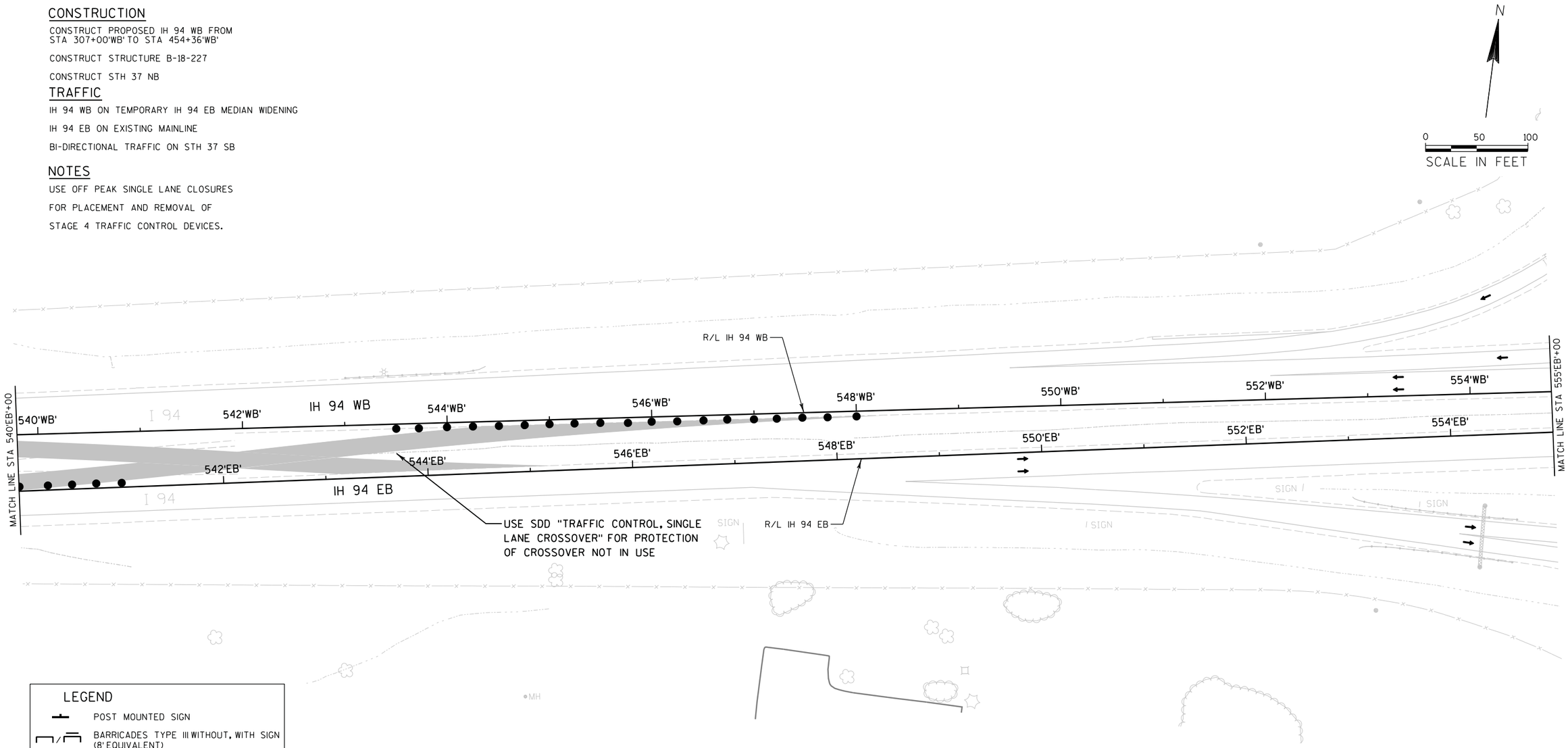
IH 94 WB ON TEMPORARY IH 94 EB MEDIAN WIDENING

IH 94 EB ON EXISTING MAINLINE

BI-DIRECTIONAL TRAFFIC ON STH 37 SB

NOTES

USE OFF PEAK SINGLE LANE CLOSURES FOR PLACEMENT AND REMOVAL OF STAGE 4 TRAFFIC CONTROL DEVICES.



LEGEND

- POST MOUNTED SIGN
- BARRICADES TYPE III WITHOUT, WITH SIGN (8' EQUIVALENT)
- CONSTRUCTION THIS STAGE
- PREVIOUSLY CONSTRUCTED
- TRAFFIC
- CONCRETE BARRIER TEMPORARY
- TEMPORARY PAVEMENT MARKING
- DRUM
- DRUM WITH WARNING LIGHT TYPE C
- FLEXIBLE TUBULAR MARKER AND BASE
- TEMPORARY DELINEATOR

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CONSTRUCTION STAGING - STAGE 4	SHEET 285	E

2

CONSTRUCTION

CONSTRUCT PROPOSED IH 94 WB FROM STA 307+00'WB' TO STA 454+36'WB'

CONSTRUCT STRUCTURE B-18-227

CONSTRUCT STH 37 NB

TRAFFIC

IH 94 WB ON TEMPORARY IH 94 EB MEDIAN WIDENING

IH 94 EB ON EXISTING MAINLINE

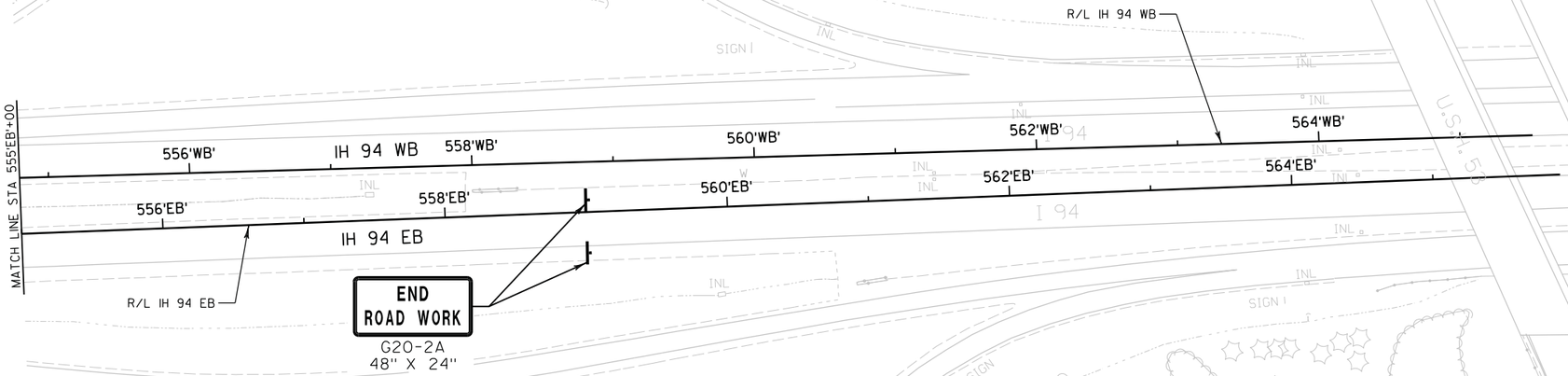
BI-DIRECTIONAL TRAFFIC ON STH 37 SB

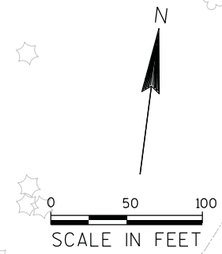
NOTES

USE OFF PEAK SINGLE LANE CLOSURES

FOR PLACEMENT AND REMOVAL OF

STAGE 4 TRAFFIC CONTROL DEVICES.





LEGEND

- POST MOUNTED SIGN
- BARRICADES TYPE III WITHOUT, WITH SIGN (8' EQUIVALENT)
- CONSTRUCTION THIS STAGE
- PREVIOUSLY CONSTRUCTED
- TRAFFIC
- CONCRETE BARRIER TEMPORARY
- TEMPORARY PAVEMENT MARKING
- DRUM
- DRUM WITH WARNING LIGHT TYPE C
- FLEXIBLE TUBULAR MARKER AND BASE
- TEMPORARY DELINEATOR

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CONSTRUCTION STAGING - STAGE 4	SHEET 286	E

FILE NAME : ...\CH_0803_026422_S4.dgn PLOT DATE : 3/1/2013 PLOT BY : SEH PLOT NAME : PLOT SCALE : N/A

CONSTRUCTION

CONSTRUCT PROPOSED IH 94 WB FROM STA 307+00'WB' TO STA 454+36'WB'

CONSTRUCT STRUCTURE B-18-227

CONSTRUCT STH 37 NB

TRAFFIC

IH 94 WB ON TEMPORARY IH 94 EB MEDIAN WIDENING

IH 94 EB ON EXISTING MAINLINE

BI-DIRECTIONAL TRAFFIC ON STH 37 SB

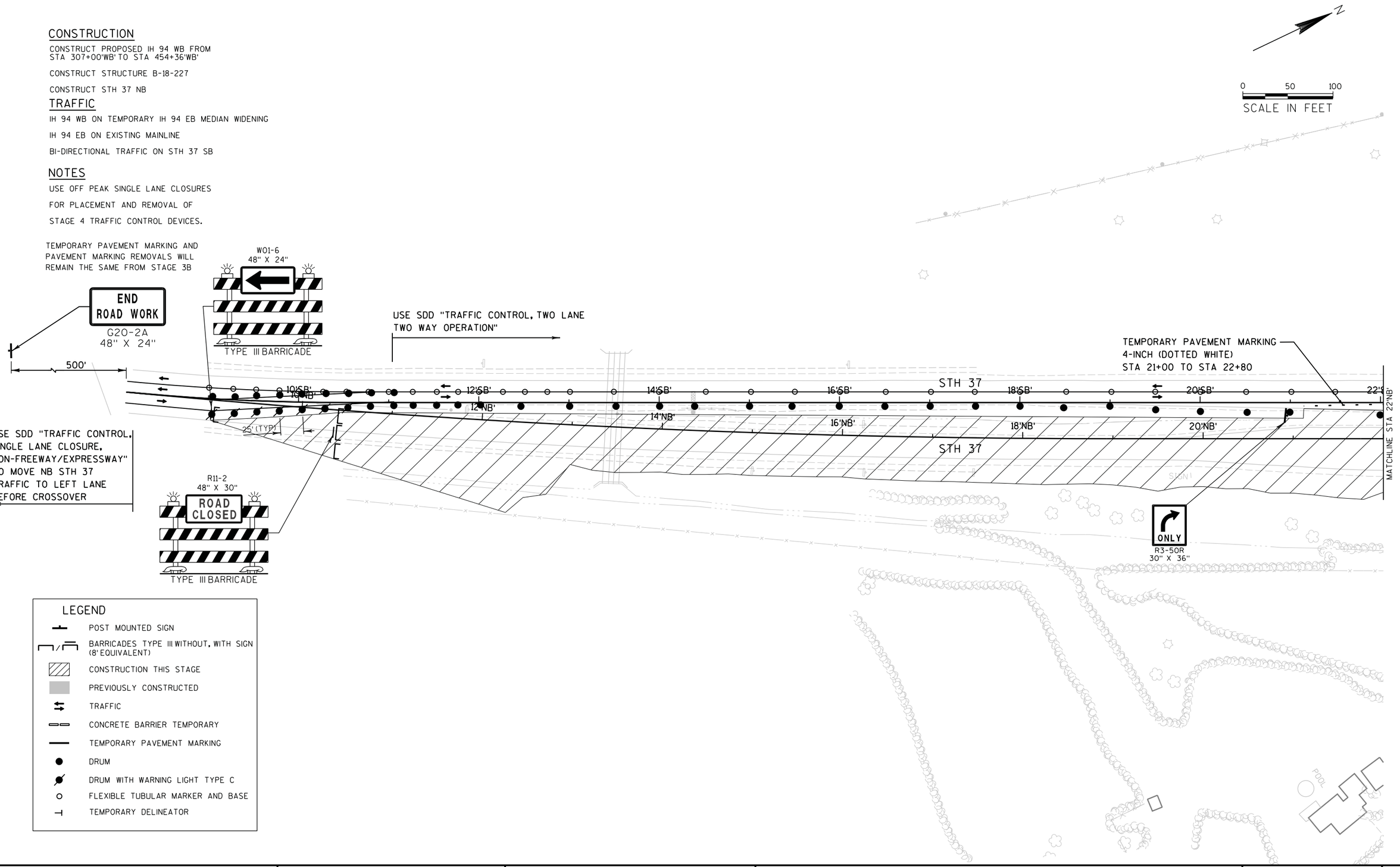
NOTES

USE OFF PEAK SINGLE LANE CLOSURES

FOR PLACEMENT AND REMOVAL OF

STAGE 4 TRAFFIC CONTROL DEVICES.

TEMPORARY PAVEMENT MARKING AND PAVEMENT MARKING REMOVALS WILL REMAIN THE SAME FROM STAGE 3B



2

CONSTRUCTION

CONSTRUCT PROPOSED IH 94 WB FROM STA 307+00'WB' TO STA 454+36'WB'

CONSTRUCT STRUCTURE B-18-227

CONSTRUCT STH 37 NB

TRAFFIC

IH 94 WB ON TEMPORARY IH 94 EB MEDIAN WIDENING

IH 94 EB ON EXISTING MAINLINE

BI-DIRECTIONAL TRAFFIC ON STH 37 SB

NOTES

USE OFF PEAK SINGLE LANE CLOSURES

FOR PLACEMENT AND REMOVAL OF

STAGE 4 TRAFFIC CONTROL DEVICES.

TEMPORARY PAVEMENT MARKING AND PAVEMENT MARKING REMOVALS WILL REMAIN THE SAME FROM STAGE 3B

LEGEND

- POST MOUNTED SIGN
- BARRICADES TYPE III WITHOUT, WITH SIGN (8' EQUIVALENT)
- CONSTRUCTION THIS STAGE
- PREVIOUSLY CONSTRUCTED
- TRAFFIC
- CONCRETE BARRIER TEMPORARY
- TEMPORARY PAVEMENT MARKING
- DRUM
- DRUM WITH WARNING LIGHT TYPE C
- FLEXIBLE TUBULAR MARKER AND BASE
- TEMPORARY DELINEATOR

ROAD CLOSED
R11-2
48" X 30"

SEE "TEMPORARY TRAFFIC SIGNAL PLAN"

TEMPORARY PAVEMENT MARKING 4-INCH (DOTTED WHITE)
STA 25+90 TO STA 27+70

SEE "TEMPORARY TRAFFIC SIGNAL PLAN"

TEMPORARY PAVEMENT MARKING 8-INCH (WHITE)

TEMPORARY PAVEMENT MARKING 8-INCH (WHITE)

ONLY
R3-50R
30" X 36"

TEMPORARY PAVEMENT MARKING 4-INCH (DOTTED WHITE)
STA 33+00 TO STA 34+25
STA 35+50 TO STA 36+60

0 50 100
SCALE IN FEET

STH 37

MATCHLINE STA 22'NB'

MATCHLINE STA 37'NB'

2

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CONSTRUCTION STAGING - STAGE 4	SHEET 288	E

FILE NAME : ...\CH_0803_026424_S4.dgn PLOT DATE : 3/1/2013 PLOT BY : SEH PLOT NAME : PLOT SCALE : N/A

WISDOT/CADDS SHEET 42

CONSTRUCTION

CONSTRUCT PROPOSED IH 94 WB FROM STA 307+00'WB' TO STA 454+36'WB'

CONSTRUCT STRUCTURE B-18-227

CONSTRUCT STH 37 NB

TRAFFIC

IH 94 WB ON TEMPORARY IH 94 EB MEDIAN WIDENING

IH 94 EB ON EXISTING MAINLINE

BI-DIRECTIONAL TRAFFIC ON STH 37 SB

NOTES

USE OFF PEAK SINGLE LANE CLOSURES

FOR PLACEMENT AND REMOVAL OF

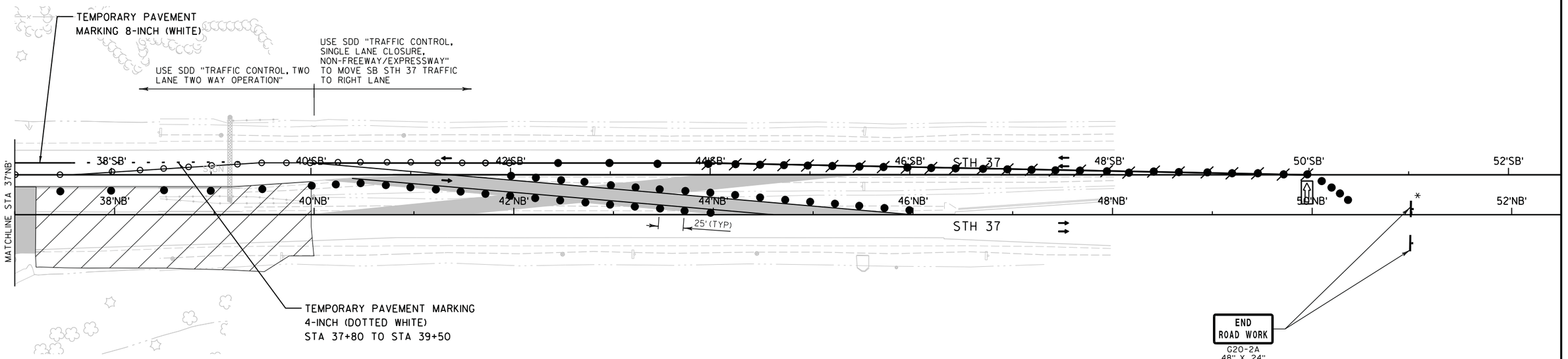
STAGE 4 TRAFFIC CONTROL DEVICES.

TEMPORARY PAVEMENT MARKING AND PAVEMENT MARKING REMOVALS WILL REMAIN THE SAME FROM STAGE 3B

N

0 50 100

SCALE IN FEET



LEGEND

- POST MOUNTED SIGN
- BARRICADES TYPE III WITHOUT, WITH SIGN (8' EQUIVALENT)
- CONSTRUCTION THIS STAGE
- PREVIOUSLY CONSTRUCTED
- TRAFFIC
- CONCRETE BARRIER TEMPORARY
- TEMPORARY PAVEMENT MARKING
- DRUM
- DRUM WITH WARNING LIGHT TYPE C
- FLEXIBLE TUBULAR MARKER AND BASE
- TEMPORARY DELINEATOR

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CONSTRUCTION STAGING - STAGE 4	SHEET 289	E

2

CONSTRUCTION

CONSTRUCT PROPOSED IH 94 EB

CONSTRUCT STH 37 SB

TRAFFIC

IH 94 WB ON PROPOSED IH 94 WB LANES

IH 94 EB ON TEMPORARY IH 94 EB MEDIAN WIDENING

BI-DIRECTIONAL TRAFFIC ON STH 37 NB

N

0 50 100

SCALE IN FEET

ROAD WORK AHEAD W20-1

IH 94 WB

IH 94 EB

STH 37 SB

STH 37 NB

RAMP 'A'

RAMP 'B'

RAMP 'C'

RAMP 'D'

R/L IH 94 WB

R/L IH 94 EB

R/L STH 37 SB

R/L STH 37 NB

R/L RAMP 'A'

R/L RAMP 'B'

R/L RAMP 'C'

R/L RAMP 'D'

STRUCTURE B-18-26 (STRENGTHEN)

STRUCTURE B-18-25 (WIDEN/STRENGTHEN)

SIGN

MATCH LINE STA 275+00

LEGEND

- POST MOUNTED SIGN
- BARRICADES TYPE III WITHOUT, WITH SIGN (8' EQUIVALENT)
- CONSTRUCTION THIS STAGE
- PREVIOUSLY CONSTRUCTED
- TRAFFIC
- CONCRETE BARRIER TEMPORARY
- TEMPORARY PAVEMENT MARKING
- DRUM
- DRUM WITH WARNING LIGHT TYPE C
- FLEXIBLE TUBULAR MARKER AND BASE
- TEMPORARY DELINEATOR

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CONSTRUCTION STAGING - STAGE 5	SHEET 290	E

2

CONSTRUCTION

CONSTRUCT PROPOSED IH 94 EB

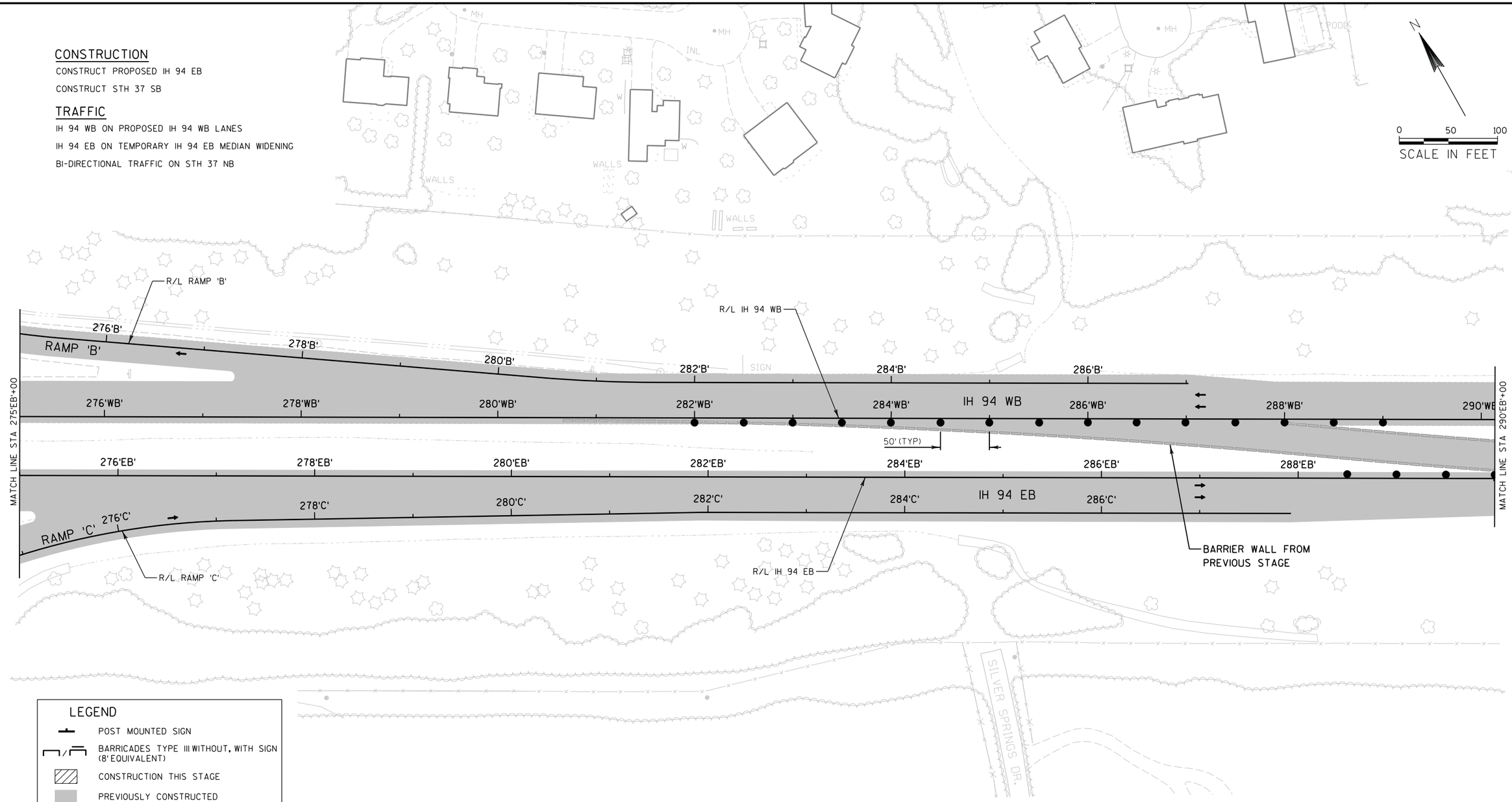
CONSTRUCT STH 37 SB

TRAFFIC

IH 94 WB ON PROPOSED IH 94 WB LANES

IH 94 EB ON TEMPORARY IH 94 EB MEDIAN WIDENING

BI-DIRECTIONAL TRAFFIC ON STH 37 NB



LEGEND

- POST MOUNTED SIGN
- BARRICADES TYPE III WITHOUT, WITH SIGN (8' EQUIVALENT)
- CONSTRUCTION THIS STAGE
- PREVIOUSLY CONSTRUCTED
- TRAFFIC
- CONCRETE BARRIER TEMPORARY
- TEMPORARY PAVEMENT MARKING
- DRUM
- DRUM WITH WARNING LIGHT TYPE C
- FLEXIBLE TUBULAR MARKER AND BASE
- TEMPORARY DELINEATOR

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CONSTRUCTION STAGING - STAGE 5	SHEET 291	E

FILE NAME : ...\CH_0803_026503_S5.dgn PLOT DATE : 3/1/2013 PLOT BY : SEH PLOT NAME : PLOT SCALE : N/A

CONSTRUCTION

CONSTRUCT PROPOSED IH 94 EB

CONSTRUCT STH 37 SB

TRAFFIC

IH 94 WB ON PROPOSED IH 94 WB LANES

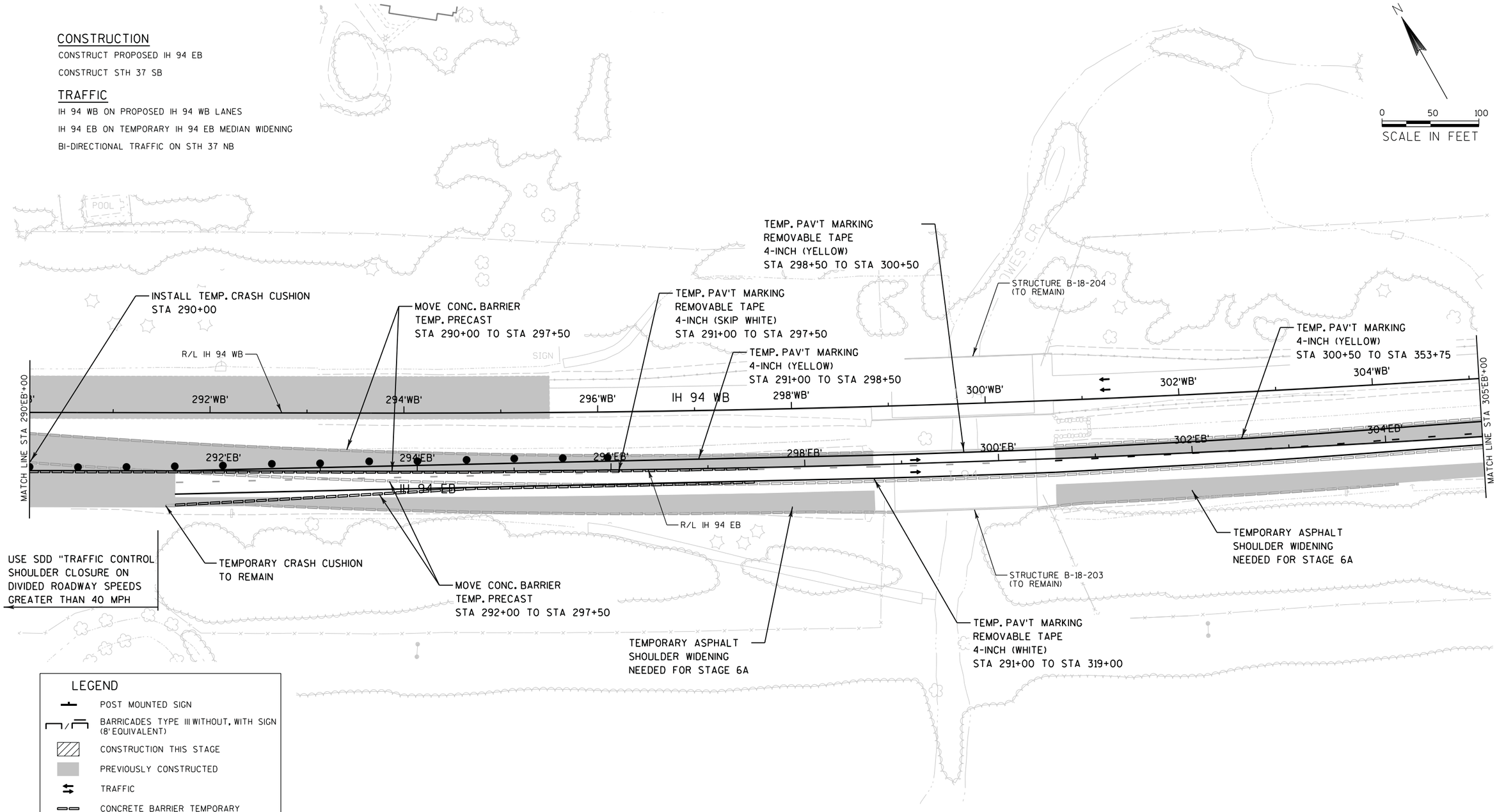
IH 94 EB ON TEMPORARY IH 94 EB MEDIAN WIDENING

BI-DIRECTIONAL TRAFFIC ON STH 37 NB

N

0 50 100

SCALE IN FEET



LEGEND

- POST MOUNTED SIGN
- BARRICADES TYPE III WITHOUT, WITH SIGN (8' EQUIVALENT)
- CONSTRUCTION THIS STAGE
- PREVIOUSLY CONSTRUCTED
- TRAFFIC
- CONCRETE BARRIER TEMPORARY
- TEMPORARY PAVEMENT MARKING
- DRUM
- DRUM WITH WARNING LIGHT TYPE C
- FLEXIBLE TUBULAR MARKER AND BASE
- TEMPORARY DELINEATOR

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CONSTRUCTION STAGING - STAGE 5	SHEET 292	E

CONSTRUCTION

CONSTRUCT PROPOSED IH 94 EB

CONSTRUCT STH 37 SB

TRAFFIC

IH 94 WB ON PROPOSED IH 94 WB LANES

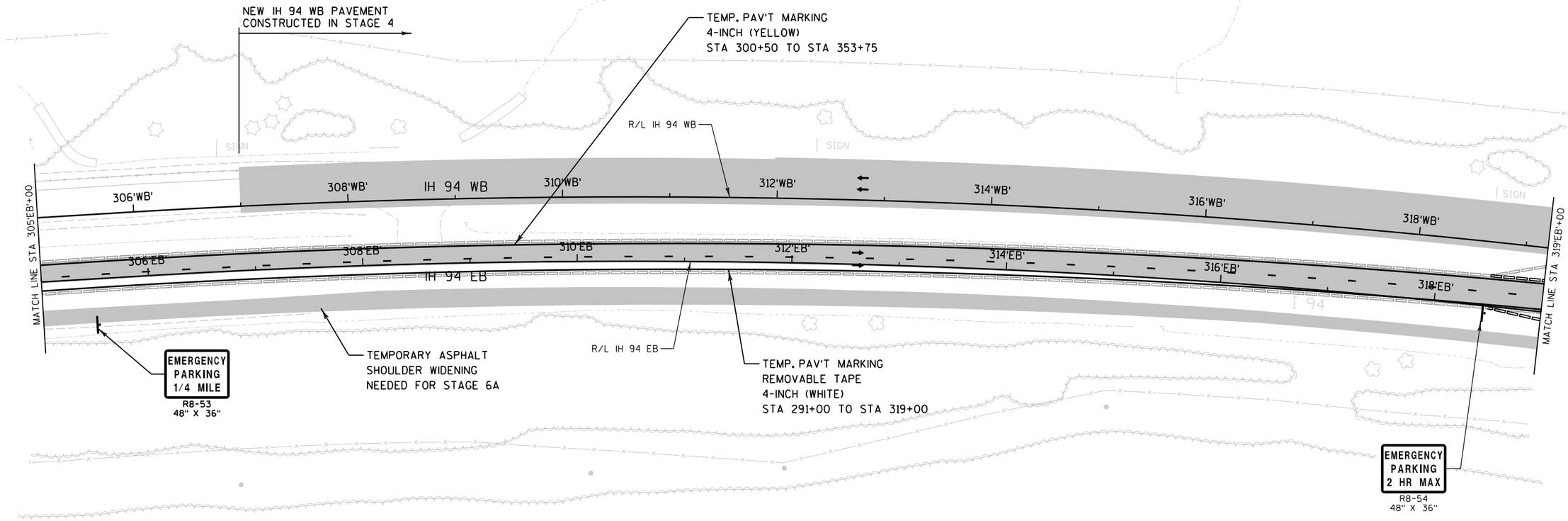
IH 94 EB ON TEMPORARY IH 94 EB MEDIAN WIDENING

BI-DIRECTIONAL TRAFFIC ON STH 37 NB

N

0 50 100

SCALE IN FEET



LEGEND

- POST MOUNTED SIGN
- BARRICADES TYPE III WITHOUT, WITH SIGN (8' EQUIVALENT)
- CONSTRUCTION THIS STAGE
- PREVIOUSLY CONSTRUCTED
- TRAFFIC
- CONCRETE BARRIER TEMPORARY
- TEMPORARY PAVEMENT MARKING
- DRUM
- DRUM WITH WARNING LIGHT TYPE C
- FLEXIBLE TUBULAR MARKER AND BASE
- TEMPORARY DELINEATOR

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CONSTRUCTION STAGING - STAGE 5	SHEET 293	E

2

CONSTRUCTION

CONSTRUCT PROPOSED IH 94 EB

CONSTRUCT STH 37 SB

TRAFFIC

IH 94 WB ON PROPOSED IH 94 WB LANES

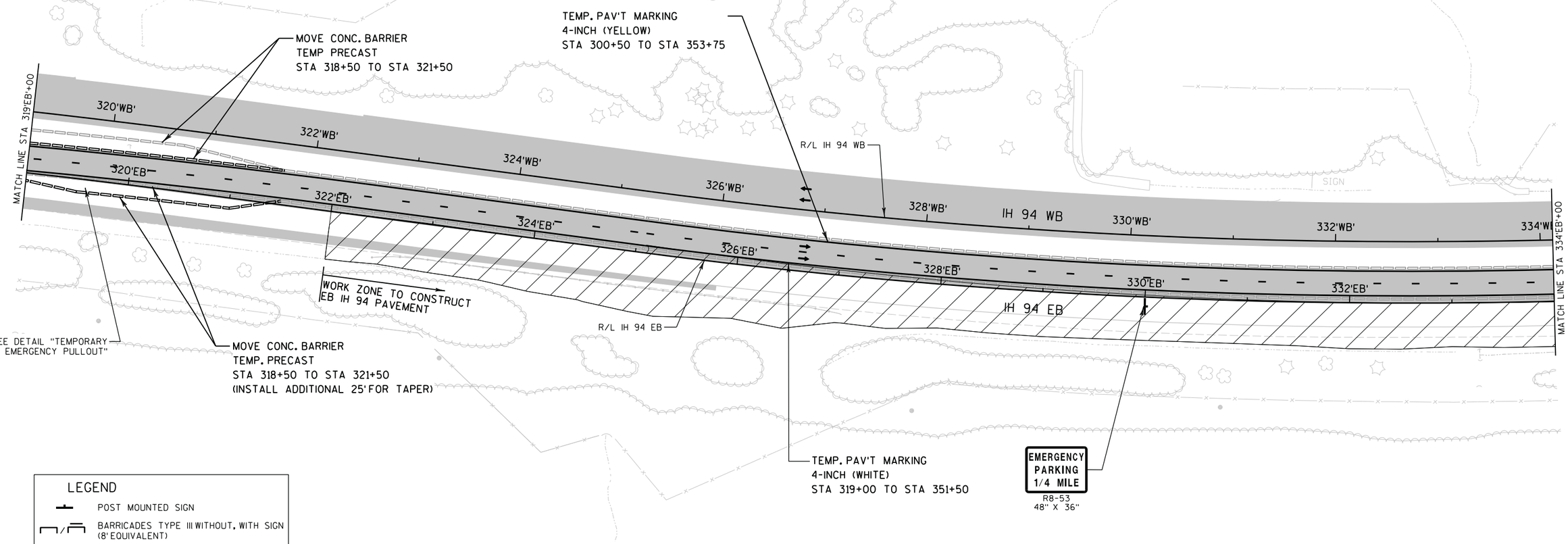
IH 94 EB ON TEMPORARY IH 94 EB MEDIAN WIDENING

BI-DIRECTIONAL TRAFFIC ON STH 37 NB

N

0 50 100

SCALE IN FEET



LEGEND

- POST MOUNTED SIGN
- BARRICADES TYPE III WITHOUT, WITH SIGN (8' EQUIVALENT)
- CONSTRUCTION THIS STAGE
- PREVIOUSLY CONSTRUCTED
- TRAFFIC
- CONCRETE BARRIER TEMPORARY
- TEMPORARY PAVEMENT MARKING
- DRUM
- DRUM WITH WARNING LIGHT TYPE C
- FLEXIBLE TUBULAR MARKER AND BASE
- TEMPORARY DELINEATOR

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CONSTRUCTION STAGING - STAGE 5	SHEET 294	E

2

CONSTRUCTION

CONSTRUCT PROPOSED IH 94 EB

CONSTRUCT STH 37 SB

TRAFFIC

IH 94 WB ON PROPOSED IH 94 WB LANES

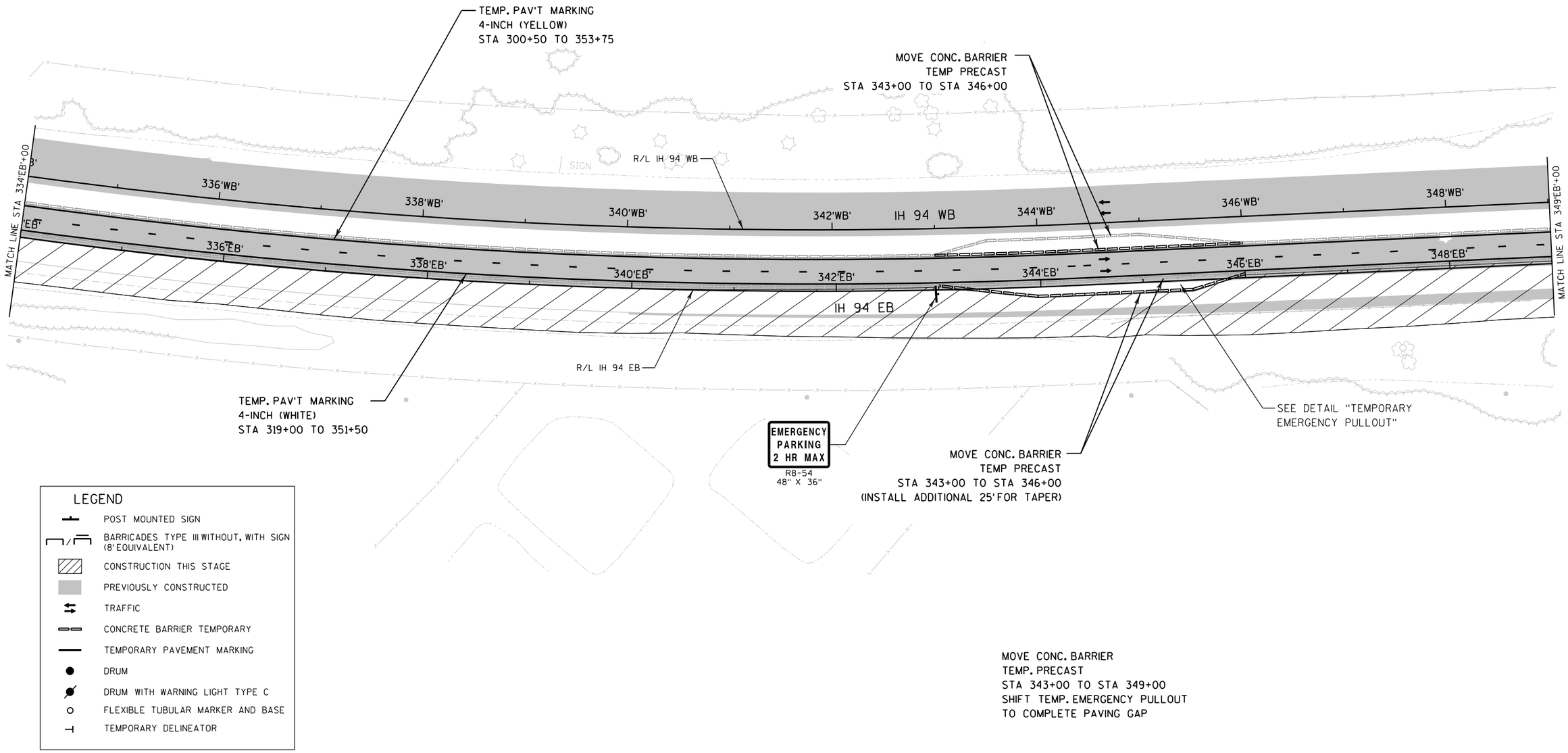
IH 94 EB ON TEMPORARY IH 94 EB MEDIAN WIDENING

BI-DIRECTIONAL TRAFFIC ON STH 37 NB

N

0 50 100

SCALE IN FEET



LEGEND

- POST MOUNTED SIGN
- BARRICADES TYPE III WITHOUT, WITH SIGN (8' EQUIVALENT)
- CONSTRUCTION THIS STAGE
- PREVIOUSLY CONSTRUCTED
- TRAFFIC
- CONCRETE BARRIER TEMPORARY
- TEMPORARY PAVEMENT MARKING
- DRUM
- DRUM WITH WARNING LIGHT TYPE C
- FLEXIBLE TUBULAR MARKER AND BASE
- TEMPORARY DELINEATOR

MOVE CONC. BARRIER
TEMP. PRECAST
STA 343+00 TO STA 349+00
SHIFT TEMP. EMERGENCY PULLOUT
TO COMPLETE PAVING GAP

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CONSTRUCTION STAGING - STAGE 5	SHEET 295	E

2

CONSTRUCTION

CONSTRUCT PROPOSED IH 94 EB

CONSTRUCT STH 37 SB

TRAFFIC

IH 94 WB ON PROPOSED IH 94 WB LANES

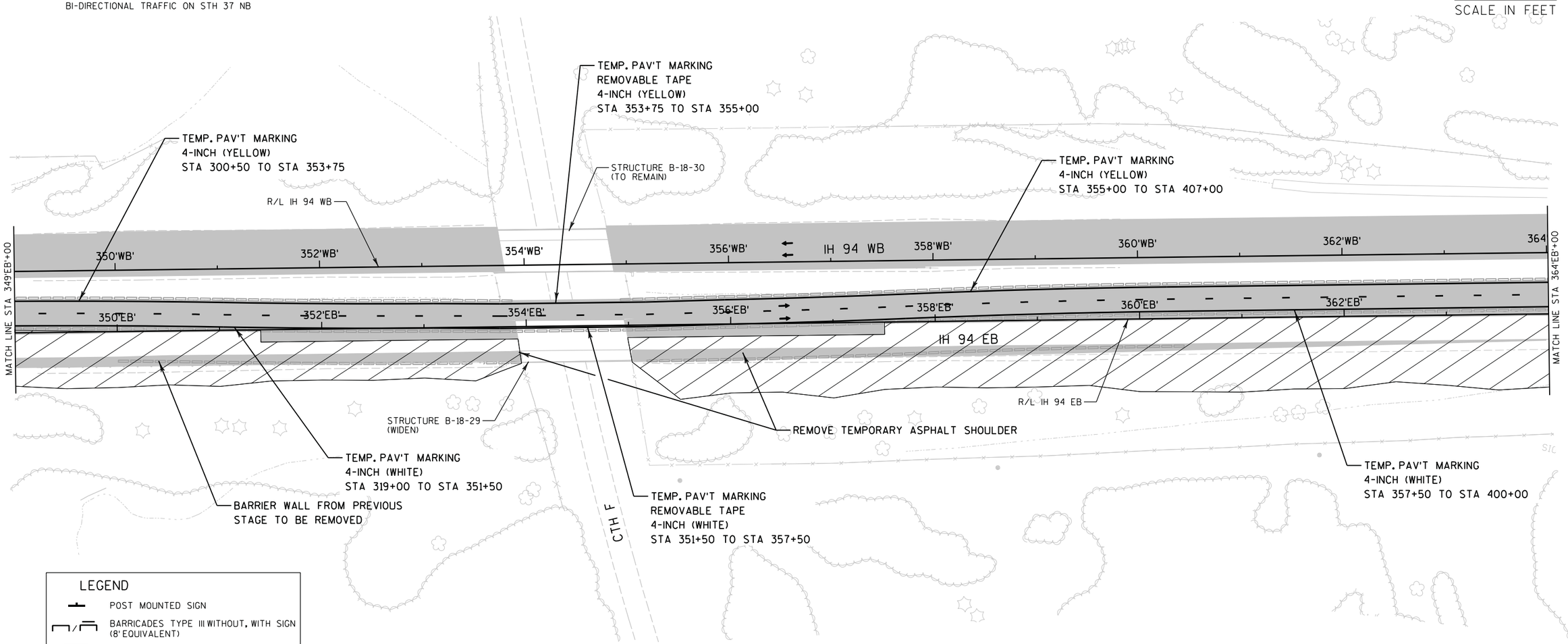
IH 94 EB ON TEMPORARY IH 94 EB MEDIAN WIDENING

BI-DIRECTIONAL TRAFFIC ON STH 37 NB

N

0 50 100

SCALE IN FEET



LEGEND

- POST MOUNTED SIGN
- BARRICADES TYPE III WITHOUT, WITH SIGN (8' EQUIVALENT)
- CONSTRUCTION THIS STAGE
- PREVIOUSLY CONSTRUCTED
- TRAFFIC
- CONCRETE BARRIER TEMPORARY
- TEMPORARY PAVEMENT MARKING
- DRUM
- DRUM WITH WARNING LIGHT TYPE C
- FLEXIBLE TUBULAR MARKER AND BASE
- TEMPORARY DELINEATOR

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CONSTRUCTION STAGING - STAGE 5	SHEET 296	E

CONSTRUCTION

CONSTRUCT PROPOSED IH 94 EB

CONSTRUCT STH 37 SB

TRAFFIC

IH 94 WB ON PROPOSED IH 94 WB LANES

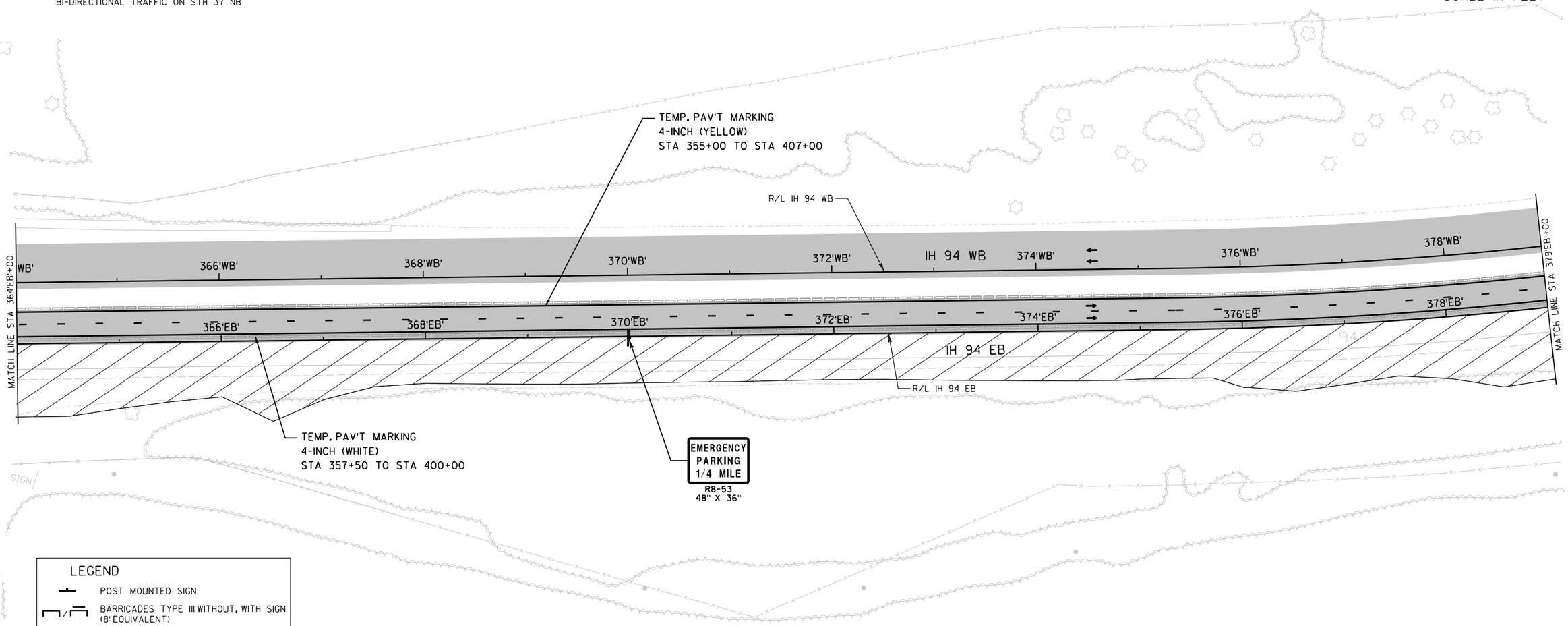
IH 94 EB ON TEMPORARY IH 94 EB MEDIAN WIDENING

BI-DIRECTIONAL TRAFFIC ON STH 37 NB

N

0 50 100

SCALE IN FEET



LEGEND

- POST MOUNTED SIGN
- BARRICADES TYPE III WITHOUT, WITH SIGN (8' EQUIVALENT)
- CONSTRUCTION THIS STAGE
- PREVIOUSLY CONSTRUCTED
- TRAFFIC
- CONCRETE BARRIER TEMPORARY
- TEMPORARY PAVEMENT MARKING
- DRUM
- DRUM WITH WARNING LIGHT TYPE C
- FLEXIBLE TUBULAR MARKER AND BASE
- TEMPORARY DELINEATOR

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CONSTRUCTION STAGING - STAGE 5	SHEET 297	E

2

CONSTRUCTION

CONSTRUCT PROPOSED IH 94 EB

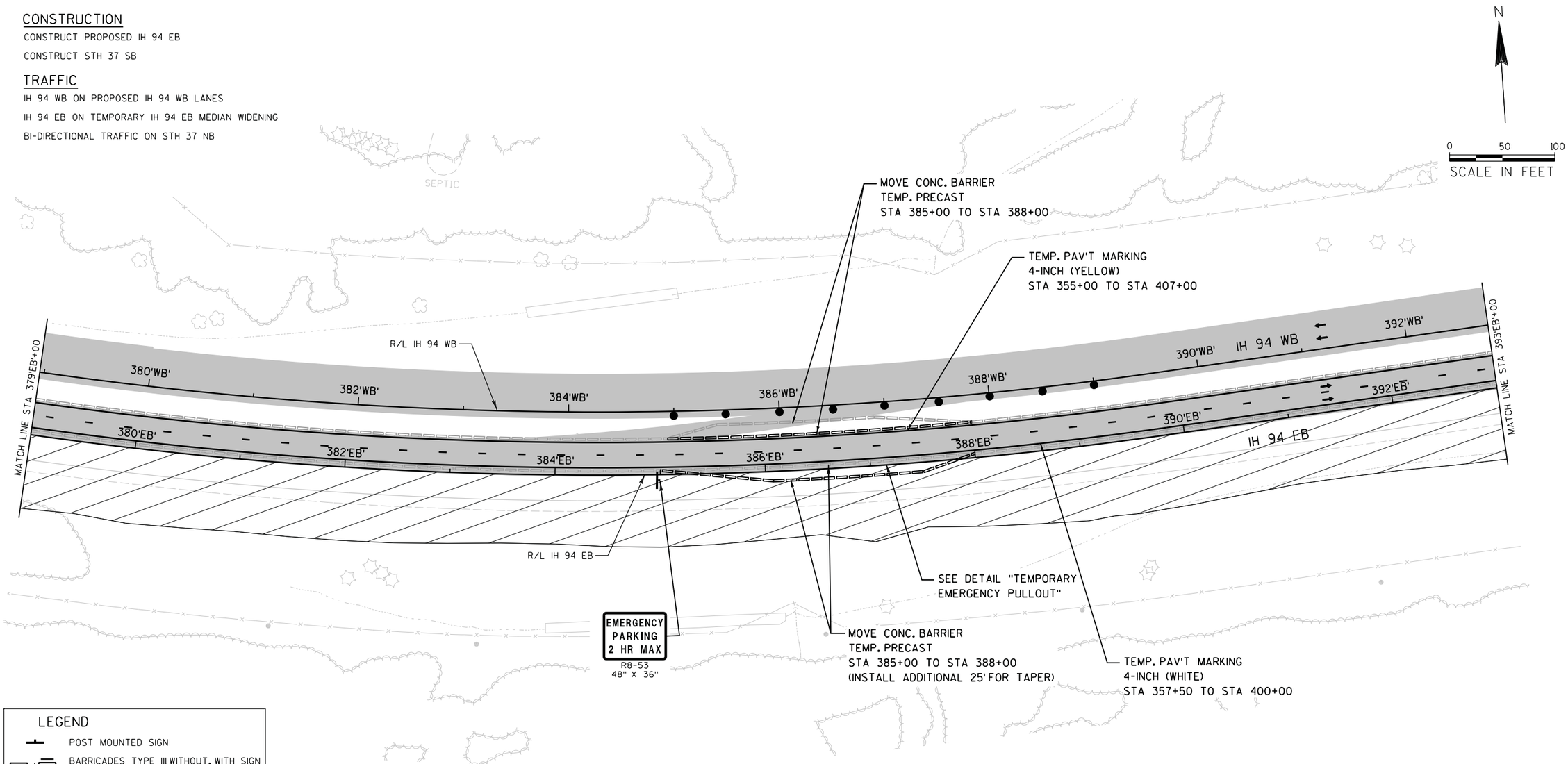
CONSTRUCT STH 37 SB

TRAFFIC

IH 94 WB ON PROPOSED IH 94 WB LANES

IH 94 EB ON TEMPORARY IH 94 EB MEDIAN WIDENING

BI-DIRECTIONAL TRAFFIC ON STH 37 NB



LEGEND

- POST MOUNTED SIGN
- BARRICADES TYPE III WITHOUT, WITH SIGN (8' EQUIVALENT)
- CONSTRUCTION THIS STAGE
- PREVIOUSLY CONSTRUCTED
- TRAFFIC
- CONCRETE BARRIER TEMPORARY
- TEMPORARY PAVEMENT MARKING
- DRUM
- DRUM WITH WARNING LIGHT TYPE C
- FLEXIBLE TUBULAR MARKER AND BASE
- TEMPORARY DELINEATOR

MOVE CONC. BARRIER TEMP. PRECAST
STA 385+00 TO STA 391+00
SHIFT TEMP. EMERGENCY PULLOUT
TO COMPLETE PAVING GAP

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CONSTRUCTION STAGING - STAGE 5	SHEET 298	E

2

CONSTRUCTION

CONSTRUCT PROPOSED IH 94 EB

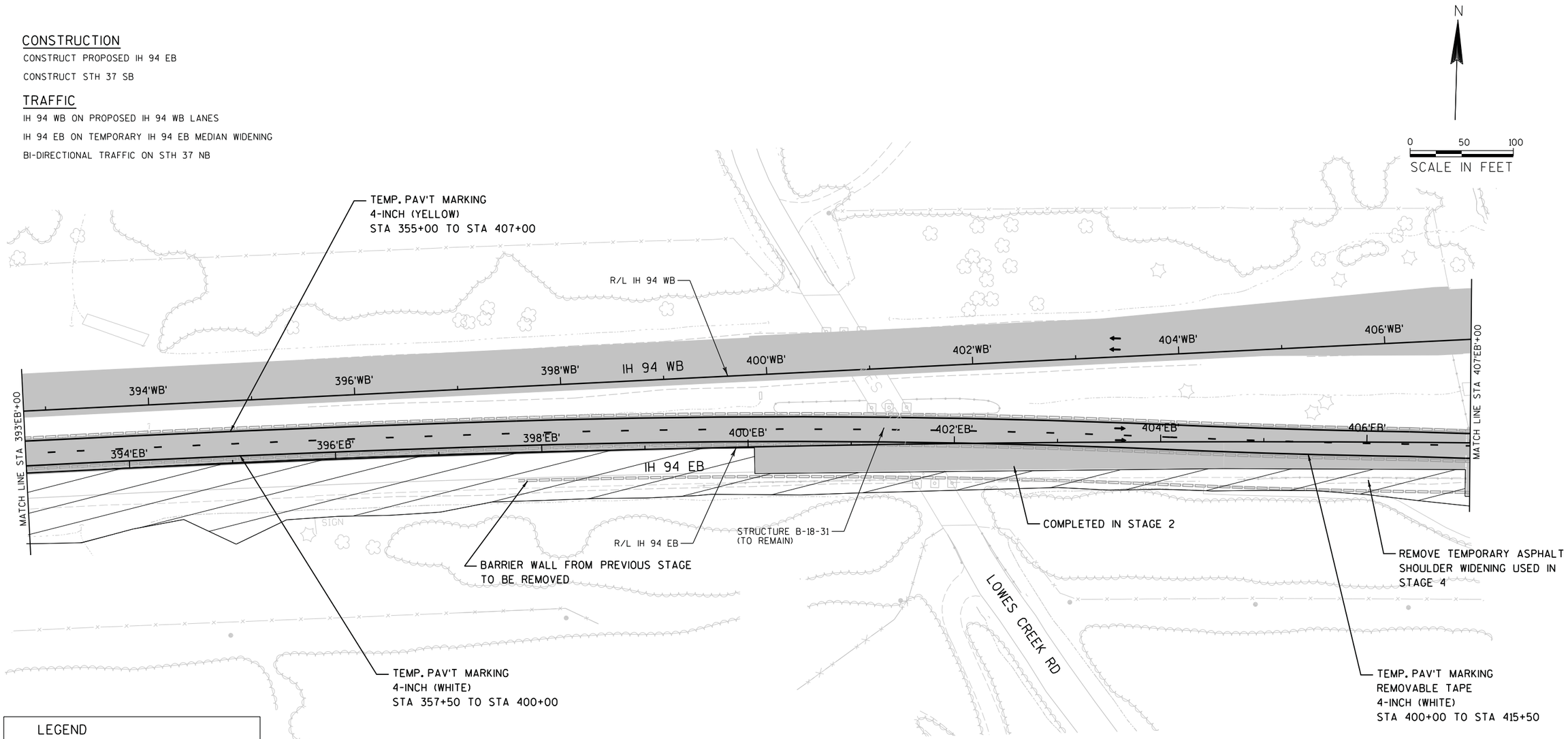
CONSTRUCT STH 37 SB

TRAFFIC

IH 94 WB ON PROPOSED IH 94 WB LANES

IH 94 EB ON TEMPORARY IH 94 EB MEDIAN WIDENING

BI-DIRECTIONAL TRAFFIC ON STH 37 NB



LEGEND

- POST MOUNTED SIGN
- BARRICADES TYPE III WITHOUT, WITH SIGN (8' EQUIVALENT)
- CONSTRUCTION THIS STAGE
- PREVIOUSLY CONSTRUCTED
- TRAFFIC
- CONCRETE BARRIER TEMPORARY
- TEMPORARY PAVEMENT MARKING
- DRUM
- DRUM WITH WARNING LIGHT TYPE C
- FLEXIBLE TUBULAR MARKER AND BASE
- TEMPORARY DELINEATOR

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CONSTRUCTION STAGING - STAGE 5	SHEET 299	E

2

CONSTRUCTION

CONSTRUCT PROPOSED IH 94 EB

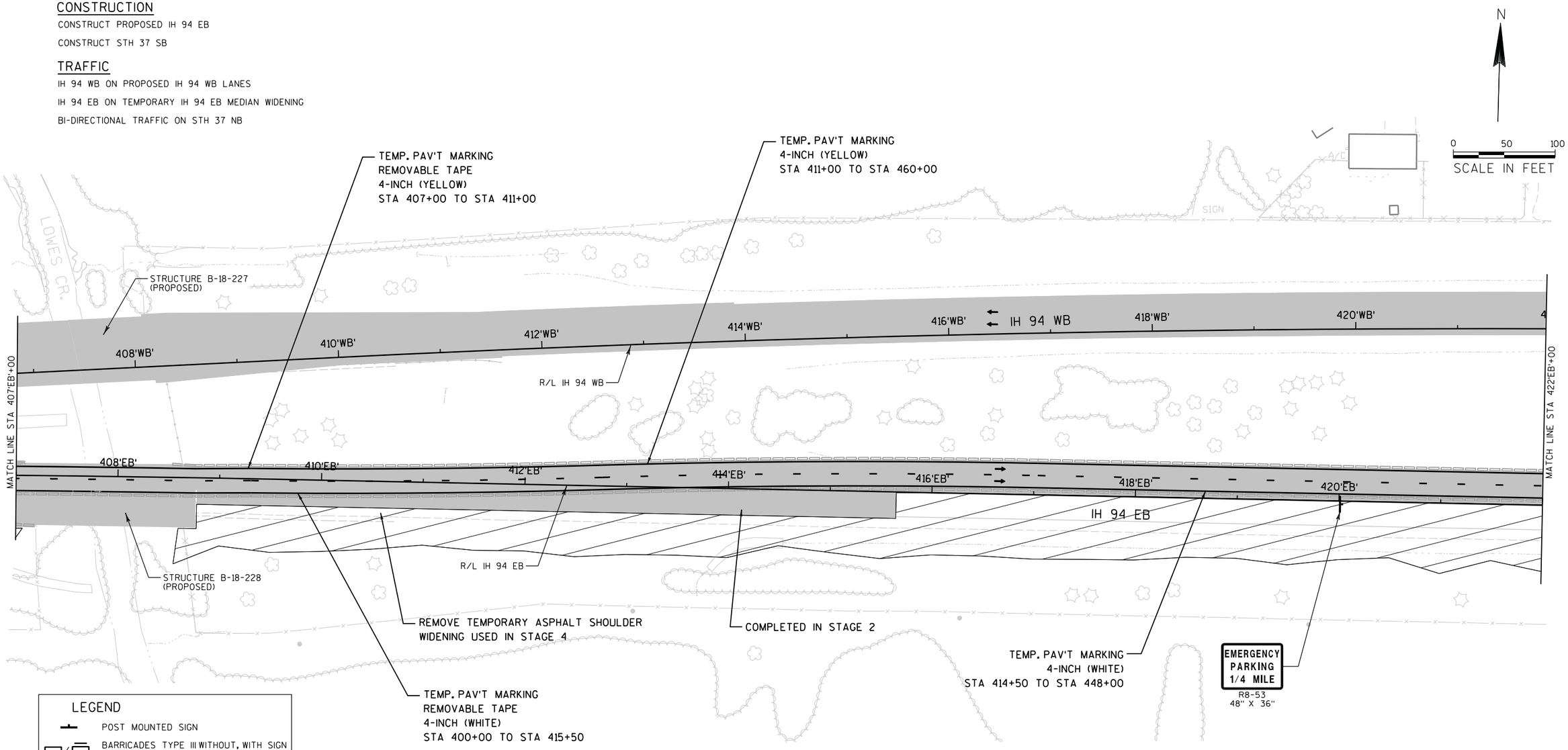
CONSTRUCT STH 37 SB

TRAFFIC

IH 94 WB ON PROPOSED IH 94 WB LANES

IH 94 EB ON TEMPORARY IH 94 EB MEDIAN WIDENING

BI-DIRECTIONAL TRAFFIC ON STH 37 NB



PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CONSTRUCTION STAGING - STAGE 5	SHEET 300	E

FILE NAME : ...\CH_0803_026512_S5.dgn PLOT DATE : 3/1/2013 PLOT BY : SEH PLOT NAME : PLOT SCALE : N/A

WISDOT/CADDS SHEET 42

2

CONSTRUCTION

CONSTRUCT PROPOSED IH 94 EB

CONSTRUCT STH 37 SB

TRAFFIC

IH 94 WB ON PROPOSED IH 94 WB LANES

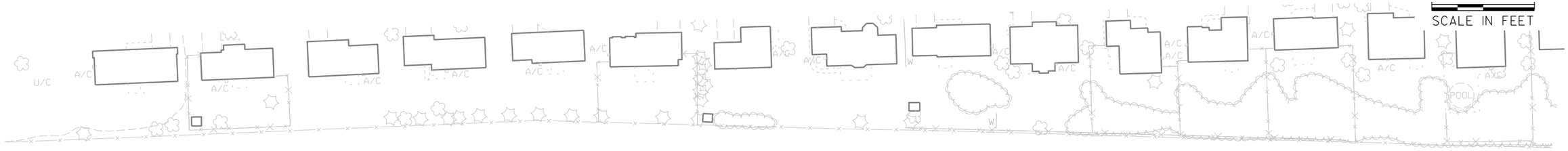
IH 94 EB ON TEMPORARY IH 94 EB MEDIAN WIDENING

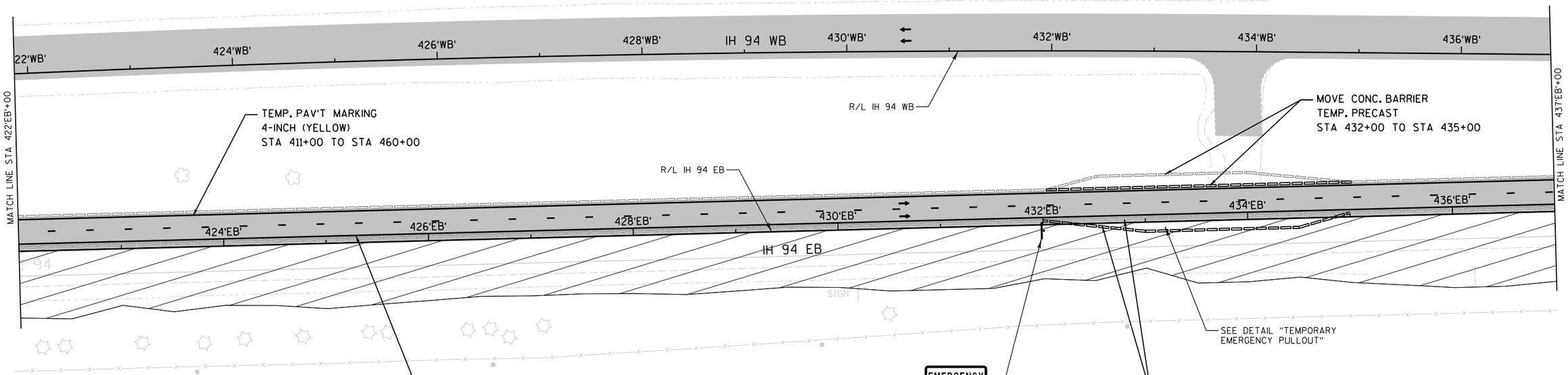
BI-DIRECTIONAL TRAFFIC ON STH 37 NB

N

0 50 100

SCALE IN FEET





MOVE CONC. BARRIER TEMP. PRECAST
STA 432+00 TO STA 438+00
SHIFT TEMP. EMERGENCY PULLOUT
TO COMPLETE PAVING GAP

LEGEND

- POST MOUNTED SIGN
- BARRICADES TYPE III WITHOUT, WITH SIGN (8' EQUIVALENT)
- CONSTRUCTION THIS STAGE
- PREVIOUSLY CONSTRUCTED
- TRAFFIC
- CONCRETE BARRIER TEMPORARY
- TEMPORARY PAVEMENT MARKING
- DRUM
- DRUM WITH WARNING LIGHT TYPE C
- FLEXIBLE TUBULAR MARKER AND BASE
- TEMPORARY DELINEATOR

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CONSTRUCTION STAGING - STAGE 5	SHEET 301	E

2

CONSTRUCTION

CONSTRUCT PROPOSED IH 94 EB

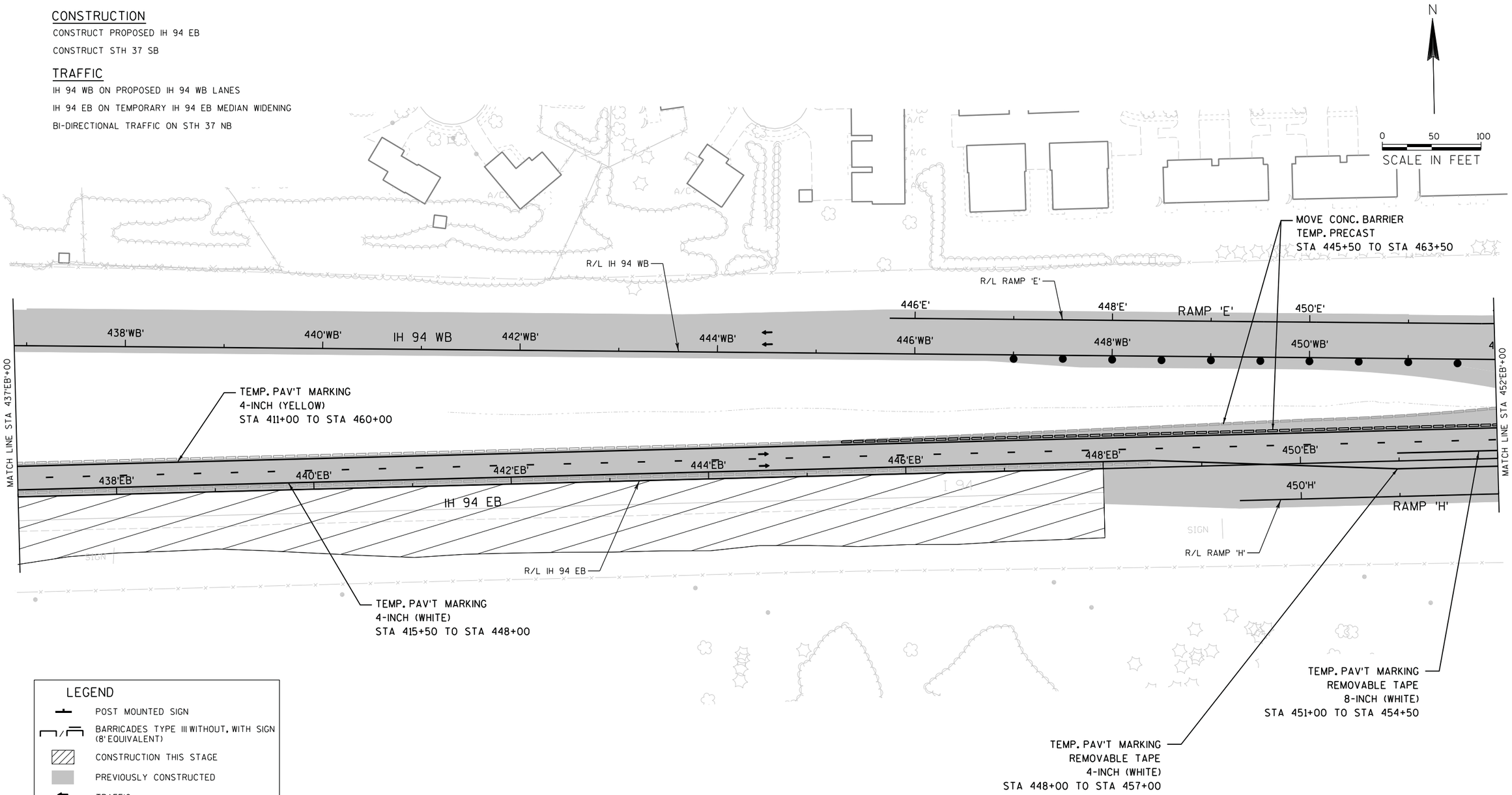
CONSTRUCT STH 37 SB

TRAFFIC

IH 94 WB ON PROPOSED IH 94 WB LANES

IH 94 EB ON TEMPORARY IH 94 EB MEDIAN WIDENING

BI-DIRECTIONAL TRAFFIC ON STH 37 NB



LEGEND

- POST MOUNTED SIGN
- BARRICADES TYPE III WITHOUT, WITH SIGN (8' EQUIVALENT)
- CONSTRUCTION THIS STAGE
- PREVIOUSLY CONSTRUCTED
- TRAFFIC
- CONCRETE BARRIER TEMPORARY
- TEMPORARY PAVEMENT MARKING
- DRUM
- DRUM WITH WARNING LIGHT TYPE C
- FLEXIBLE TUBULAR MARKER AND BASE
- TEMPORARY DELINEATOR

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CONSTRUCTION STAGING - STAGE 5	SHEET 302	E

FILE NAME : ...\CH_0803_026514_S5.dgn PLOT DATE : 3/1/2013 PLOT BY : SEH PLOT NAME : PLOT SCALE : N/A

2

CONSTRUCTION

CONSTRUCT PROPOSED IH 94 EB

CONSTRUCT STH 37 SB

TRAFFIC

IH 94 WB ON PROPOSED IH 94 WB LANES

IH 94 EB ON TEMPORARY IH 94 EB MEDIAN WIDENING

BI-DIRECTIONAL TRAFFIC ON STH 37 NB

N

0 50 100

SCALE IN FEET

MOVE CONC. BARRIER
TEMP. PRECAST
STA 445+50 TO STA 463+50

END CONC. BARRIER
TEMP. PRECAST

452'E' 454'E' 456'E' 458'E' 460'E' RAMP 'E' 462'E' 464'E' 466'E'

R/L RAMP 'E'

TEMP. PAV'T MARKING
REMOVABLE TAPE
4-INCH (YELLOW)
STA 460+00 TO STA 463+50

R/L IH 94 WB

52'WB' 454'WB' 456'WB' 458'WB' 460'WB' IH 94 WB 462'WB' 464'WB' 466'WB'

MATCH LINE STA 452'EB'+00

MATCH LINE STA 467'EB'+00

454'EB' 456'EB' 458'EB' 460'EB' IH 94 EB 462'EB' 464'EB' 466'EB'

454'H' 456'H' 458'H' 460'H' RAMP 'H' 462'H' 464'H' 466'H'

R/L RAMP 'H'

TEMP. PAV'T MARKING
REMOVABLE TAPE
8-INCH (WHITE)
STA 451+00 TO STA 454+50
STA 453+50 TO STA 454+50

TEMP. PAV'T MARKING
REMOVABLE TAPE
4-INCH (SKIP WHITE)
STA 454+50 TO STA 463+50

TEMP. PAV'T MARKING
REMOVABLE TAPE
4-INCH (YELLOW)
STA 454+50 TO STA 457+00

TEMP. PAV'T MARKING
REMOVABLE TAPE
4-INCH (WHITE)
STA 448+00 TO STA 457+00

TEMP. PAV'T MARKING
REMOVABLE TAPE
4-INCH (WHITE)
STA 454+50 TO STA 463+50

R/L IH 94 EB

NEW EB IH 94 PAVEMENT
CONSTRUCTED IN STAGE 2

TEMPORARY WB IH 94
ASPHALT USED IN STAGE 4

SIGN I

SIGN I

SIGN I

LEGEND

- POST MOUNTED SIGN
- BARRICADES TYPE III WITHOUT, WITH SIGN (8' EQUIVALENT)
- CONSTRUCTION THIS STAGE
- PREVIOUSLY CONSTRUCTED
- TRAFFIC
- CONCRETE BARRIER TEMPORARY
- TEMPORARY PAVEMENT MARKING
- DRUM
- DRUM WITH WARNING LIGHT TYPE C
- FLEXIBLE TUBULAR MARKER AND BASE
- TEMPORARY DELINEATOR

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CONSTRUCTION STAGING - STAGE 5	SHEET 303	E

FILE NAME : ...\CH_0803_026515_S5.dgn PLOT DATE : 3/1/2013 PLOT BY : SEH PLOT NAME : PLOT SCALE : N/A

WISDOT/CADDS SHEET 42

2

2

CONSTRUCTION

CONSTRUCT PROPOSED IH 94 EB

CONSTRUCT STH 37 SB

TRAFFIC

IH 94 WB ON PROPOSED IH 94 WB LANES

IH 94 EB ON TEMPORARY IH 94 EB MEDIAN WIDENING

BI-DIRECTIONAL TRAFFIC ON STH 37 NB

N

0 50 100

SCALE IN FEET

468'F' 470'F' 472'F' 474'F' RAMP 'F' 476'F' 478'F' 480'F'

STRUCTURE B-18-119 (TO REMAIN)

R/L IH 94 WB

R/L RAMP 'F'

468'WB' 470'WB' 472'WB' IH 94 WB 474'WB' 476'WB' 478'WB' 480'WB'

MATCH LINE STA 467'EB+00

468'EB' 470'EB' 472'EB' 474'EB' 476'EB' 478'EB' 480'EB' IH 94 EB

MATCH LINE STA 481'EB+00

480'G'

R/L IH 94 EB

R/L RAMP 'G'

478'G' 476'G' 474'G' RAMP 'G' 472'G' 470'G'

STRUCTURE B-18-34 (TO REMAIN)

STH 93

468'H' 470'H' 468'G'

LEGEND

- POST MOUNTED SIGN
- BARRICADES TYPE III WITHOUT, WITH SIGN (8' EQUIVALENT)
- CONSTRUCTION THIS STAGE
- PREVIOUSLY CONSTRUCTED
- TRAFFIC
- CONCRETE BARRIER TEMPORARY
- TEMPORARY PAVEMENT MARKING
- DRUM
- DRUM WITH WARNING LIGHT TYPE C
- FLEXIBLE TUBULAR MARKER AND BASE
- TEMPORARY DELINEATOR

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CONSTRUCTION STAGING - STAGE 5	SHEET 304	E

FILE NAME : ...\CH_0803_026516_S5.dgn PLOT DATE : 3/1/2013 PLOT BY : SEH PLOT NAME : PLOT SCALE : N/A

WISDOT/CADDS SHEET 42

2

CONSTRUCTION

CONSTRUCT PROPOSED IH 94 EB

CONSTRUCT STH 37 SB

TRAFFIC

IH 94 WB ON PROPOSED IH 94 WB LANES

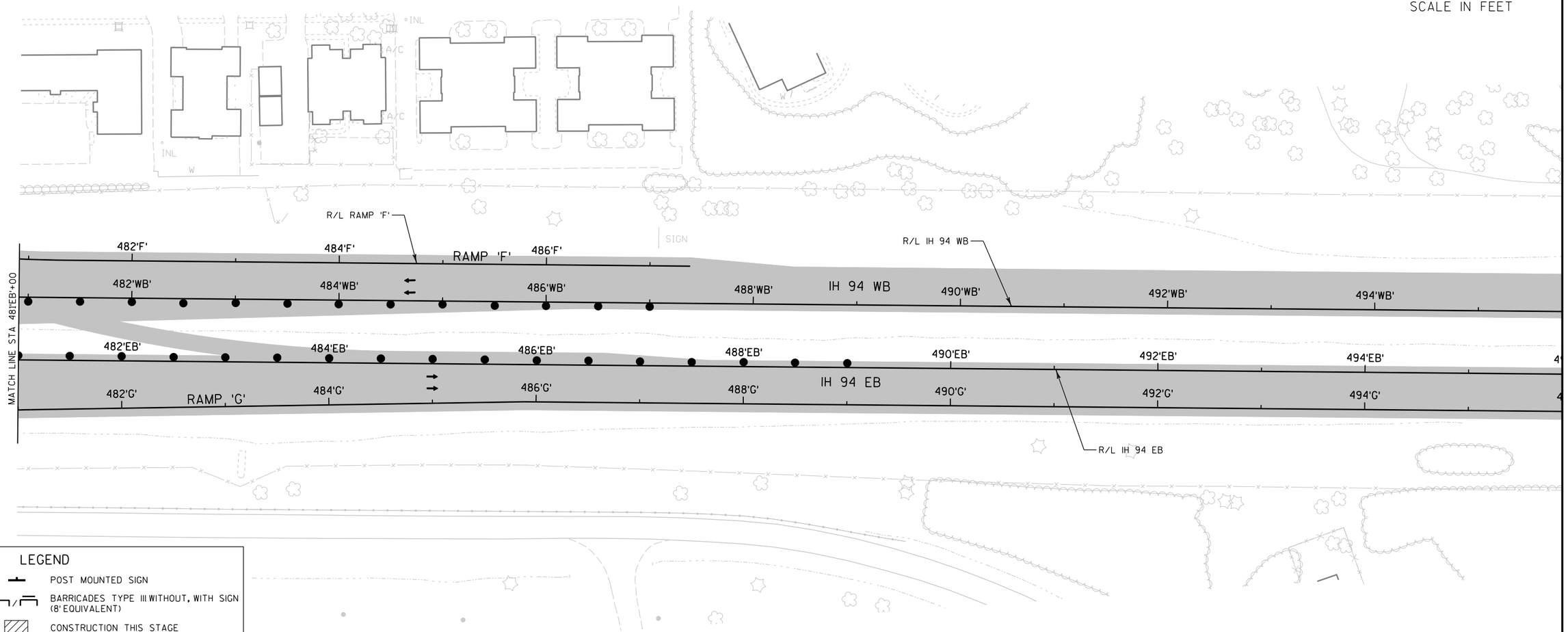
IH 94 EB ON TEMPORARY IH 94 EB MEDIAN WIDENING

BI-DIRECTIONAL TRAFFIC ON STH 37 NB

N

0 50 100

SCALE IN FEET



LEGEND

- POST MOUNTED SIGN
- BARRICADES TYPE III WITHOUT, WITH SIGN (8' EQUIVALENT)
- CONSTRUCTION THIS STAGE
- PREVIOUSLY CONSTRUCTED
- TRAFFIC
- CONCRETE BARRIER TEMPORARY
- TEMPORARY PAVEMENT MARKING
- DRUM
- DRUM WITH WARNING LIGHT TYPE C
- FLEXIBLE TUBULAR MARKER AND BASE
- TEMPORARY DELINEATOR

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CONSTRUCTION STAGING - STAGE 5	SHEET 305	E

2

CONSTRUCTION

CONSTRUCT PROPOSED IH 94 EB

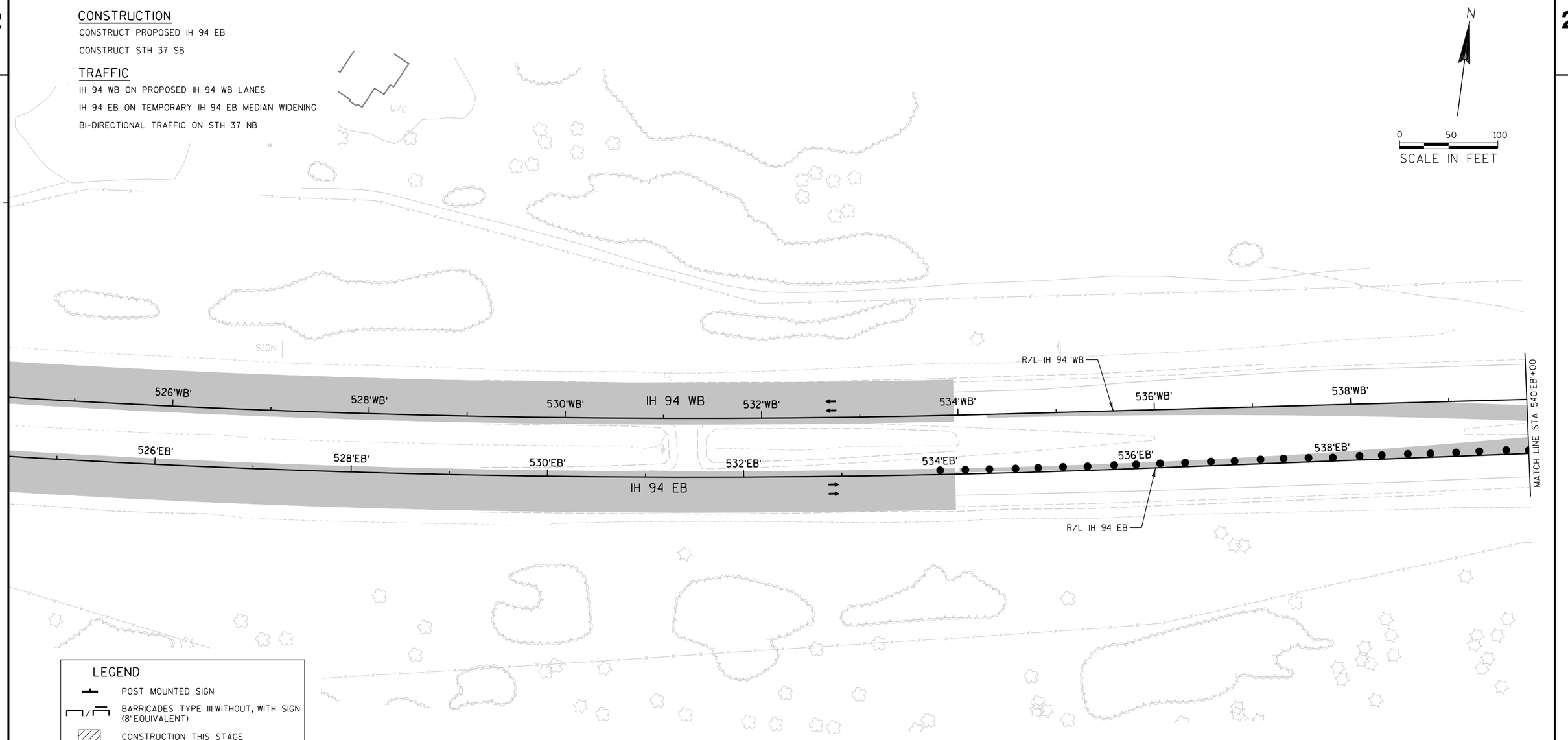
CONSTRUCT STH 37 SB

TRAFFIC

IH 94 WB ON PROPOSED IH 94 WB LANES

IH 94 EB ON TEMPORARY IH 94 EB MEDIAN WIDENING

BI-DIRECTIONAL TRAFFIC ON STH 37 NB



LEGEND

- POST MOUNTED SIGN
- BARRICADES TYPE III WITHOUT, WITH SIGN (8' EQUIVALENT)
- CONSTRUCTION THIS STAGE
- PREVIOUSLY CONSTRUCTED
- TRAFFIC
- CONCRETE BARRIER TEMPORARY
- TEMPORARY PAVEMENT MARKING
- DRUM
- DRUM WITH WARNING LIGHT TYPE C
- FLEXIBLE TUBULAR MARKER AND BASE
- TEMPORARY DELINEATOR

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CONSTRUCTION STAGING - STAGE 5	SHEET 306	E

2

CONSTRUCTION

CONSTRUCT PROPOSED IH 94 EB

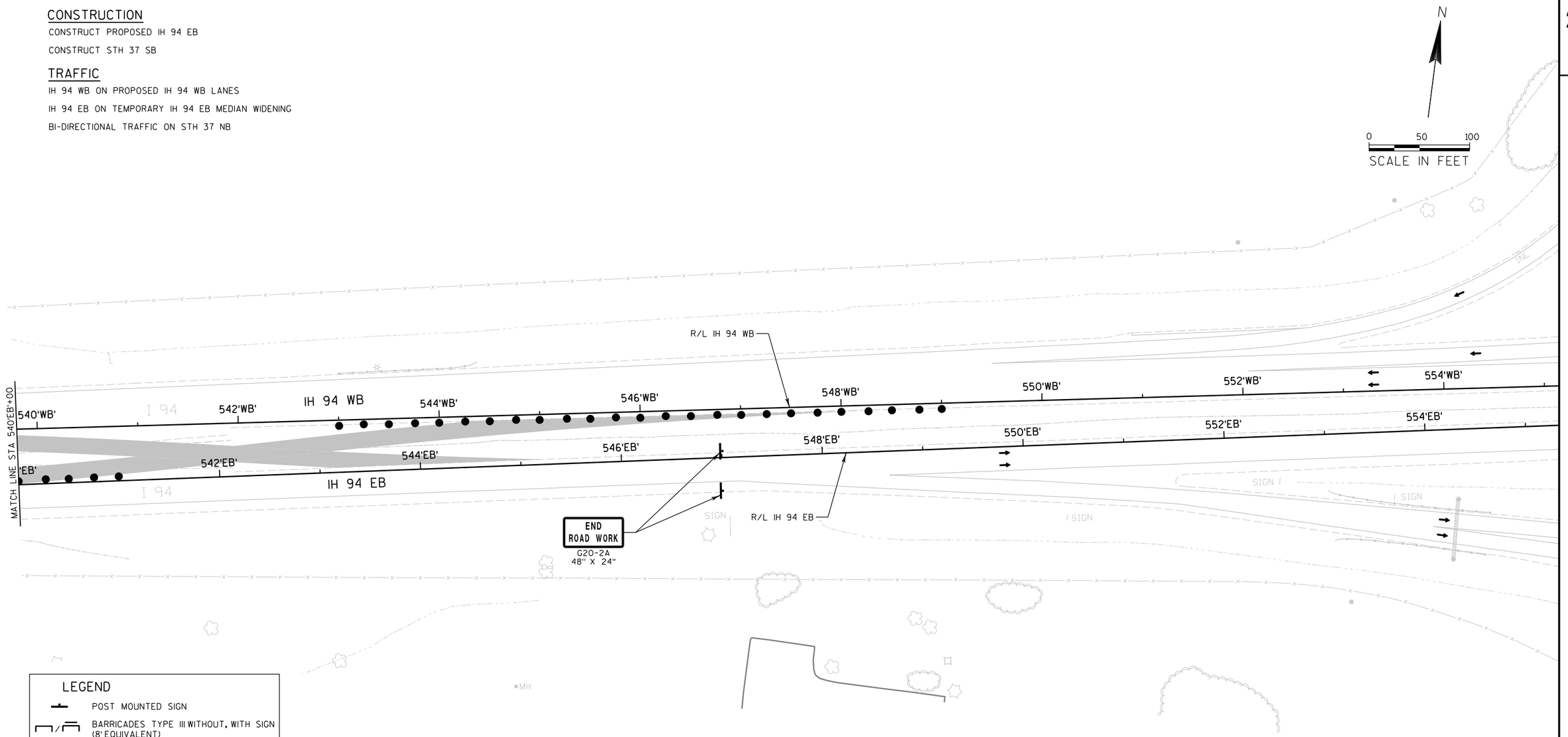
CONSTRUCT STH 37 SB

TRAFFIC

IH 94 WB ON PROPOSED IH 94 WB LANES

IH 94 EB ON TEMPORARY IH 94 EB MEDIAN WIDENING

BI-DIRECTIONAL TRAFFIC ON STH 37 NB



LEGEND

- POST MOUNTED SIGN
- BARRICADES TYPE III WITHOUT, WITH SIGN (8' EQUIVALENT)
- CONSTRUCTION THIS STAGE
- PREVIOUSLY CONSTRUCTED
- TRAFFIC
- CONCRETE BARRIER TEMPORARY
- TEMPORARY PAVEMENT MARKING
- DRUM
- DRUM WITH WARNING LIGHT TYPE C
- FLEXIBLE TUBULAR MARKER AND BASE
- TEMPORARY DELINEATOR

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CONSTRUCTION STAGING - STAGE 5	SHEET 307	E

2

CONSTRUCTION

CONSTRUCT PROPOSED IH 94 EB

CONSTRUCT STH 37 SB

TRAFFIC

IH 94 WB ON PROPOSED IH 94 WB LANES

IH 94 EB ON TEMPORARY IH 94 EB MEDIAN WIDENING

BI-DIRECTIONAL TRAFFIC ON STH 37 NB

N

0 50 100

SCALE IN FEET

W01-6
48" X 24"

TYPE III BARRICADE

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

500'

12'

12'

25' (TYP)

10'SB'
10'NB'
12'SB'
12'NB'
14'SB'
14'NB'
16'SB'
16'NB'
18'SB'
18'NB'
20'SB'
20'NB'
22'SB'
22'NB'

STH 37

STH 37

MATCHLINE STA 22'NB'

USE SDD "TRAFFIC CONTROL, SINGLE LANE CLOSURE, NON-FREEWAY/EXPRESSWAY" TO MOVE NB STH 37 TRAFFIC TO RIGHT LANE

R11-2
48" X 30"
ROAD CLOSED

TYPE III BARRICADE

USE SDD "TRAFFIC CONTROL, TWO LANE TWO WAY OPERATION"

SIGN

TEMP. PAV'T MARKING
REMOVABLE TAPE
4-INCH (WHITE)
STA 8+00 TO STA 45+75

TEMP. PAV'T MARKING
REMOVABLE TAPE
4-INCH (DOUBLE YELLOW)
STA 8+00 TO STA 23+00

TEMPORARY PAVEMENT MARKING
REMOVABLE TAPE
4-INCH (DOTTED WHITE)
STA 20+00 TO STA 21+80

POOL

LEGEND

- POST MOUNTED SIGN
- BARRICADES TYPE III WITHOUT, WITH SIGN (8' EQUIVALENT)
- CONSTRUCTION THIS STAGE
- PREVIOUSLY CONSTRUCTED
- TRAFFIC
- CONCRETE BARRIER TEMPORARY
- TEMPORARY PAVEMENT MARKING
- DRUM
- DRUM WITH WARNING LIGHT TYPE C
- FLEXIBLE TUBULAR MARKER AND BASE
- TEMPORARY DELINEATOR

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CONSTRUCTION STAGING - STAGE 5	SHEET 308	E

FILE NAME : ...\CH_0803_026522_S5.dgn PLOT DATE : 3/1/2013 PLOT BY : SEH PLOT NAME : PLOT SCALE : N/A

WISDOT/CADDS SHEET 42

2

CONSTRUCTION

CONSTRUCT PROPOSED IH 94 EB

CONSTRUCT STH 37 SB

TRAFFIC

IH 94 WB ON PROPOSED IH 94 WB LANES

IH 94 EB ON TEMPORARY IH 94 EB MEDIAN WIDENING

BI-DIRECTIONAL TRAFFIC ON STH 37 NB

LEGEND

- POST MOUNTED SIGN
- BARRICADES TYPE III WITHOUT, WITH SIGN (8' EQUIVALENT)
- CONSTRUCTION THIS STAGE
- PREVIOUSLY CONSTRUCTED
- TRAFFIC
- CONCRETE BARRIER TEMPORARY
- TEMPORARY PAVEMENT MARKING
- DRUM
- DRUM WITH WARNING LIGHT TYPE C
- FLEXIBLE TUBULAR MARKER AND BASE
- TEMPORARY DELINEATOR

0 50 100
SCALE IN FEET

TEMP. PAV'T MARKING
REMOVABLE TAPE
4-INCH (WHITE)
STA 8+00 TO STA 45+75

TEMPORARY PAVEMENT
MARKING - REMOVABLE TAPE
8-INCH (WHITE)
STA 34+00 TO STA 35+40
STA 36+50 TO STA 37+50

TEMPORARY PAVEMENT
MARKING - REMOVABLE TAPE
4-INCH (DOTTED WHITE)
STA 23+40 TO STA 24+90

ROAD CLOSED
R11-2
48" X 30"

TEMPORARY PAVEMENT
MARKING- REMOVABLE TAPE
8-INCH WHITE
STA 21+80 TO 23+40
STA 24+90 TO 25+90

COVER SIGNS TYPE II

37 NORTH
Eau Claire

TEMP. PAV'T MARKING
REMOVABLE TAPE
4-INCH (DOUBLE YELLOW)
STA 25+00 TO STA 35+00

TEMPORARY PAVEMENT
MARKING - REMOVABLE TAPE
4-INCH (DOTTED WHITE)
STA 31+60 TO STA 34+00
STA 35+40 TO STA 36+50

STH 37

MATCHLINE STA 22'NB'

MATCHLINE STA 37'NB'

RAMP OPEN

RAMP OPEN

PROJECT NO:1022-08-73	HWY:IH 94	COUNTY:EAU CLAIRE	CONSTRUCTION STAGING - STAGE 5	SHEET 309	E

FILE NAME : ...\CH_0803_026523_S5.dgn PLOT DATE : 3/1/2013 PLOT BY : SEH PLOT NAME : PLOT SCALE : N/A

WISDOT/CADDS SHEET 42

2

CONSTRUCTION

CONSTRUCT PROPOSED IH 94 EB

CONSTRUCT STH 37 SB

TRAFFIC

IH 94 WB ON PROPOSED IH 94 WB LANES

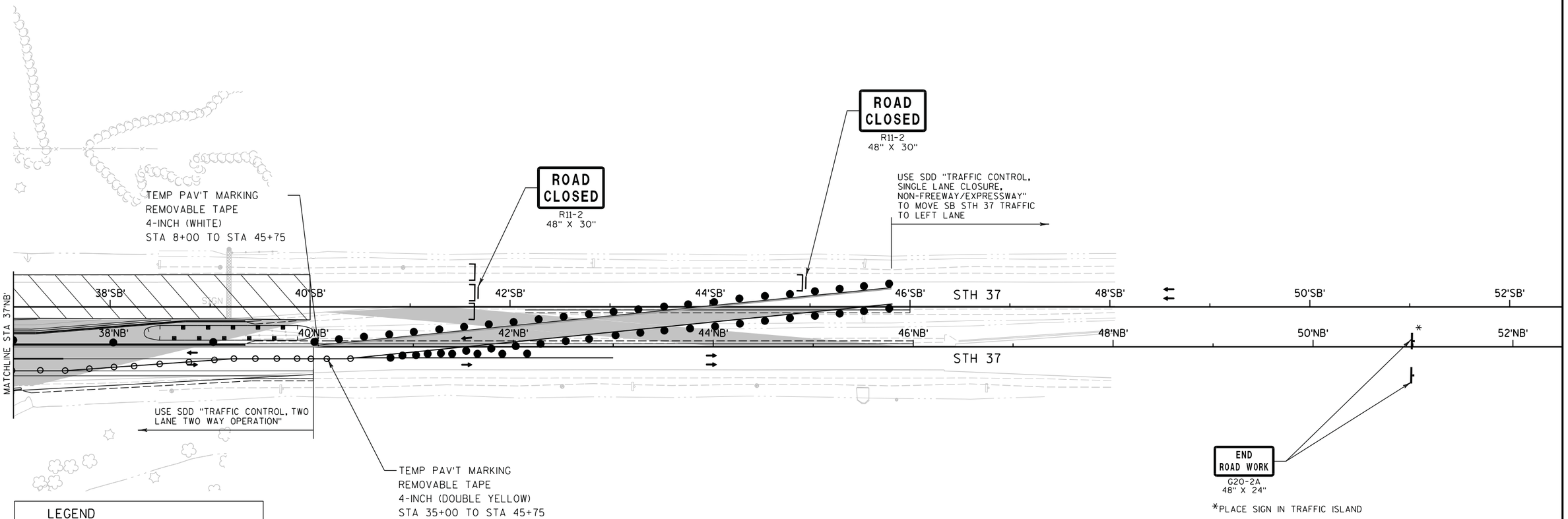
IH 94 EB ON TEMPORARY IH 94 EB MEDIAN WIDENING

BI-DIRECTIONAL TRAFFIC ON STH 37 NB

N

0 50 100

SCALE IN FEET



LEGEND

- POST MOUNTED SIGN
- BARRICADES TYPE III WITHOUT, WITH SIGN (8' EQUIVALENT)
- CONSTRUCTION THIS STAGE
- PREVIOUSLY CONSTRUCTED
- TRAFFIC
- CONCRETE BARRIER TEMPORARY
- TEMPORARY PAVEMENT MARKING
- DRUM
- DRUM WITH WARNING LIGHT TYPE C
- FLEXIBLE TUBULAR MARKER AND BASE
- TEMPORARY DELINEATOR

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CONSTRUCTION STAGING - STAGE 5	SHEET 310	E

2

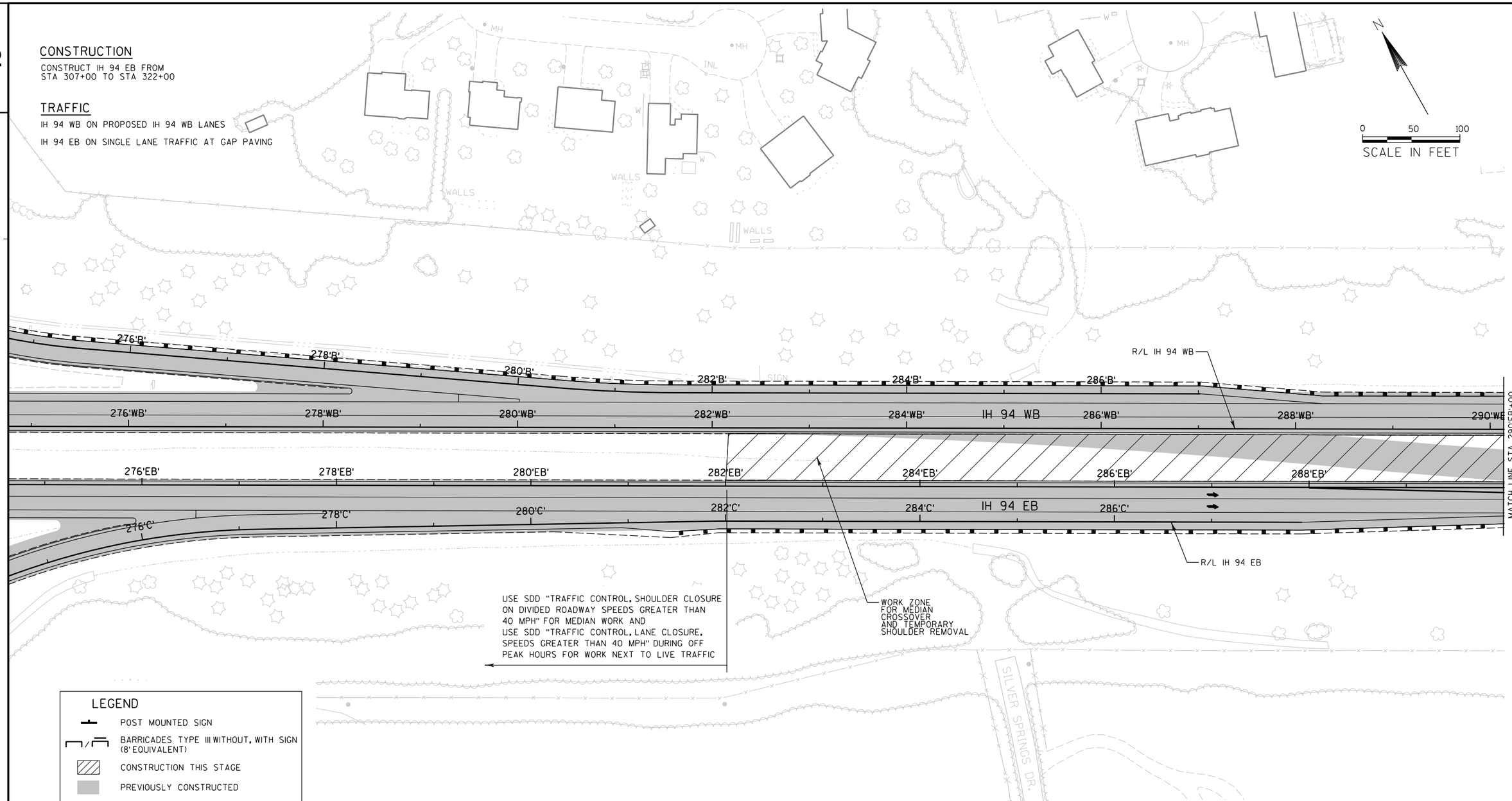
CONSTRUCTION

CONSTRUCT IH 94 EB FROM
STA 307+00 TO STA 322+00

TRAFFIC

IH 94 WB ON PROPOSED IH 94 WB LANES

IH 94 EB ON SINGLE LANE TRAFFIC AT GAP PAVING



LEGEND

- POST MOUNTED SIGN
- BARRICADES TYPE III WITHOUT, WITH SIGN (8' EQUIVALENT)
- CONSTRUCTION THIS STAGE
- PREVIOUSLY CONSTRUCTED
- TRAFFIC
- CONCRETE BARRIER TEMPORARY
- TEMPORARY PAVEMENT MARKING
- DRUM
- DRUM WITH WARNING LIGHT TYPE C
- FLEXIBLE TUBULAR MARKER AND BASE
- TEMPORARY DELINEATOR

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CONSTRUCTION STAGING - STAGE 6A	SHEET E

FILE NAME : ...\CH_0803_026601_S6A.dgn PLOT DATE : 3/1/2013 PLOT BY : SEH PLOT NAME : PLOT SCALE : N/A
WISDOT/CADDS SHEET 42

2

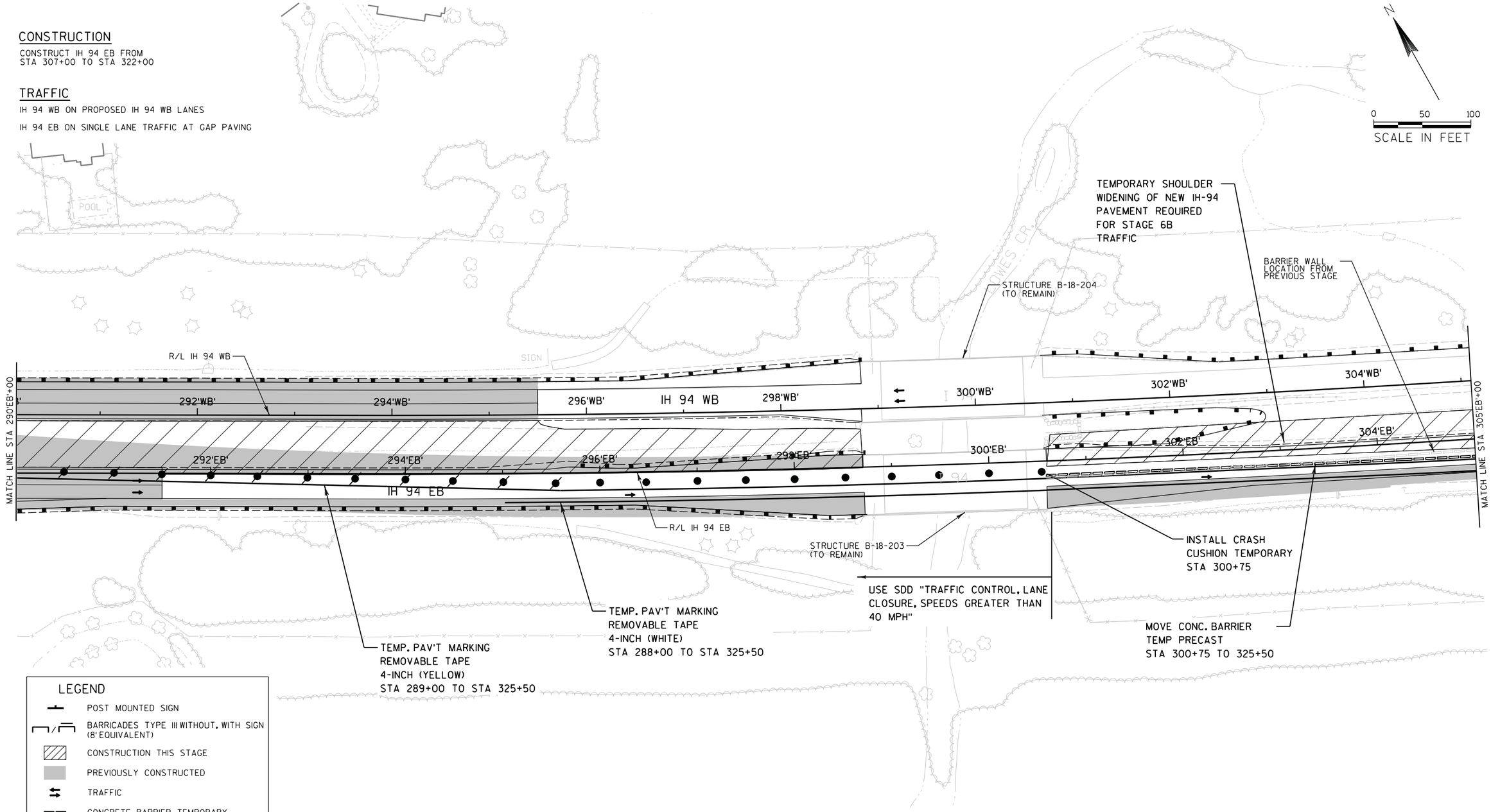
CONSTRUCTION

CONSTRUCT IH 94 EB FROM
STA 307+00 TO STA 322+00

TRAFFIC

IH 94 WB ON PROPOSED IH 94 WB LANES

IH 94 EB ON SINGLE LANE TRAFFIC AT GAP PAVING



LEGEND

- POST MOUNTED SIGN
- BARRICADES TYPE III WITHOUT, WITH SIGN (8' EQUIVALENT)
- CONSTRUCTION THIS STAGE
- PREVIOUSLY CONSTRUCTED
- TRAFFIC
- CONCRETE BARRIER TEMPORARY
- TEMPORARY PAVEMENT MARKING
- DRUM
- DRUM WITH WARNING LIGHT TYPE C
- FLEXIBLE TUBULAR MARKER AND BASE
- TEMPORARY DELINEATOR

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CONSTRUCTION STAGING - STAGE 6A	SHEET 312	E

2

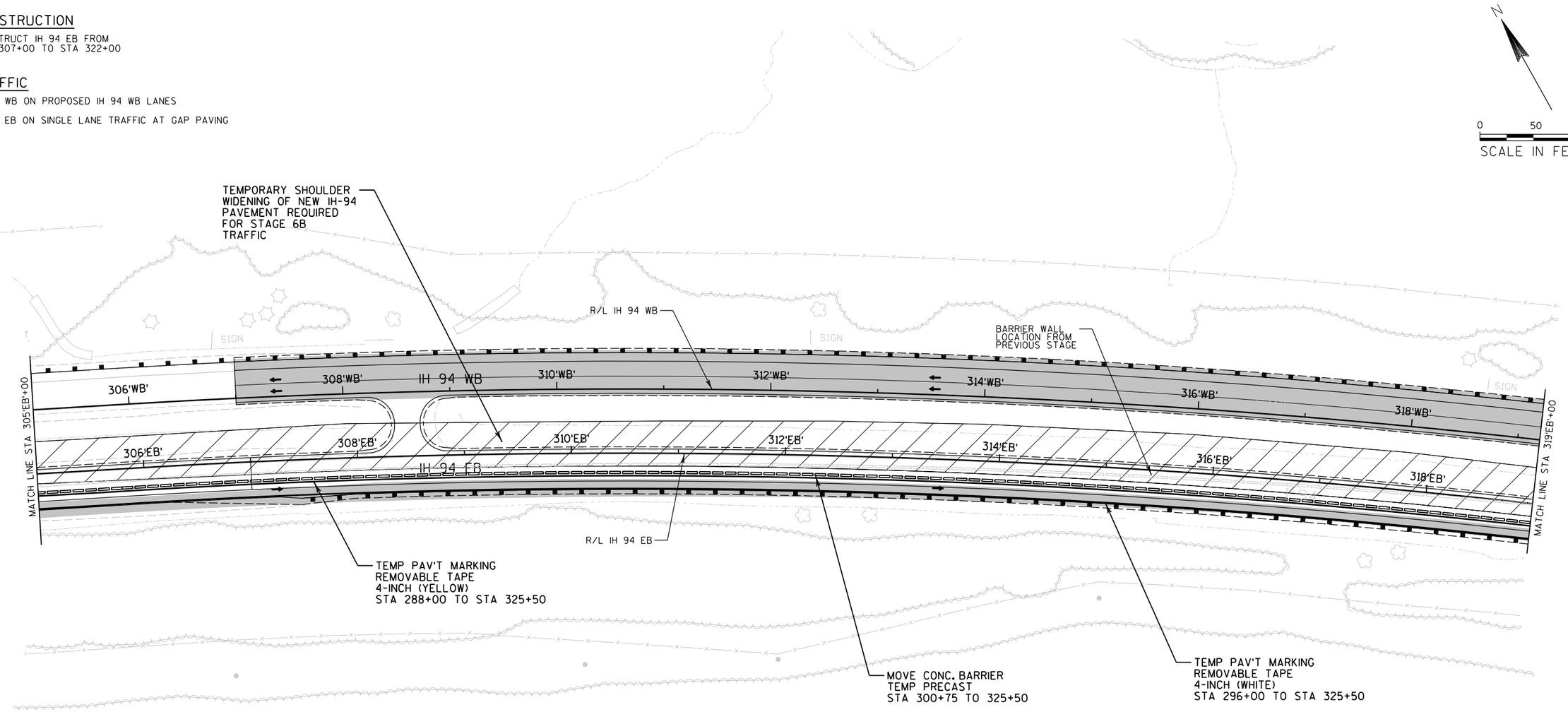
CONSTRUCTION

CONSTRUCT IH 94 EB FROM
STA 307+00 TO STA 322+00

TRAFFIC

IH 94 WB ON PROPOSED IH 94 WB LANES

IH 94 EB ON SINGLE LANE TRAFFIC AT GAP PAVING



LEGEND

- POST MOUNTED SIGN
- BARRICADES TYPE III WITHOUT, WITH SIGN (8' EQUIVALENT)
- CONSTRUCTION THIS STAGE
- PREVIOUSLY CONSTRUCTED
- TRAFFIC
- CONCRETE BARRIER TEMPORARY
- TEMPORARY PAVEMENT MARKING
- DRUM
- DRUM WITH WARNING LIGHT TYPE C
- FLEXIBLE TUBULAR MARKER AND BASE
- TEMPORARY DELINEATOR

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CONSTRUCTION STAGING - STAGE 6A	SHEET 313	E

FILE NAME : ...\CH_0803_026603_S6A.dgn PLOT DATE : 3/1/2013 PLOT BY : SEH PLOT NAME : PLOT SCALE : N/A

2

CONSTRUCTION

CONSTRUCT IH 94 EB FROM
STA 307+00 TO STA 322+00

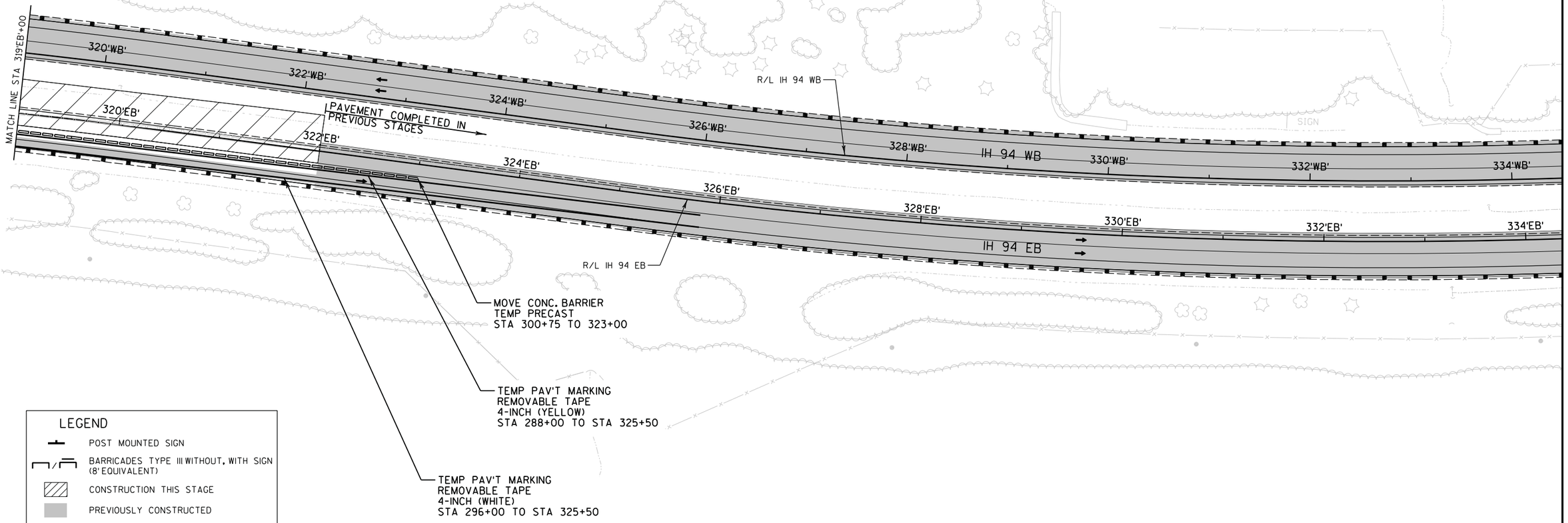
TRAFFIC

IH 94 WB ON PROPOSED IH 94 WB LANES

IH 94 EB ON SINGLE LANE TRAFFIC AT GAP PAVING

N

0 50 100
SCALE IN FEET



LEGEND

- POST MOUNTED SIGN
- BARRICADES TYPE III WITHOUT, WITH SIGN (8' EQUIVALENT)
- CONSTRUCTION THIS STAGE
- PREVIOUSLY CONSTRUCTED
- TRAFFIC
- CONCRETE BARRIER TEMPORARY
- TEMPORARY PAVEMENT MARKING
- DRUM
- DRUM WITH WARNING LIGHT TYPE C
- FLEXIBLE TUBULAR MARKER AND BASE
- TEMPORARY DELINEATOR

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CONSTRUCTION STAGING - STAGE 6A	SHEET 314	E

CONSTRUCTION

CONSTRUCT PROPOSED IH 94 EB MEDIAN SHOULDER

REMOVE AND RESTORE TRAFFIC CROSSOVERS AND TEMPORARY RAMP CONNECTIONS

REMOVE REMAINING TEMPORARY SHOULDER WIDENING

TRAFFIC

IH 94 WB ON PROPOSED IH 94 WB LANES

IH 94 EB ON PROPOSED IH 94 EB LANES

OFF PEAK SINGLE LANE CLOSURES FOR MEDIAN CONSTRUCTION ON IH 94 EB

N

0 50 100

SCALE IN FEET

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

R/L RAMP 'B'

R/L IH 94 WB

276'B' 278'B' 280'B' 282'B' 284'B' 286'B'

RAMP 'B'

276'WB' 278'WB' 280'WB' 282'WB' 284'WB' IH 94 WB 286'WB' 288'WB' 290'WB'

MATCH LINE STA 275+00

276'EB' 278'EB' 280'EB' 282'EB' 284'EB' 286'EB' 288'EB' 290

MATCH LINE STA 290+00

276'C' 278'C' 280'C' 282'C' 284'C' IH 94 EB 286'C'

RAMP 'C'

R/L IH 94 EB

R/L RAMP 'C'

USE SDD "TRAFFIC CONTROL, SHOULDER CLOSURE ON DIVIDED ROADWAY SPEEDS GREATER THAN 40 MPH" FOR MEDIAN WORK AND
USE SDD "TRAFFIC CONTROL, LANE CLOSURE, SPEEDS GREATER THAN 40 MPH" DURING OFF PEAK HOURS FOR WORK NEXT TO LIVE TRAFFIC

SILVER SPRINGS DR.

LEGEND

- POST MOUNTED SIGN
- BARRICADES TYPE III WITHOUT, WITH SIGN (8' EQUIVALENT)
- CONSTRUCTION THIS STAGE
- PREVIOUSLY CONSTRUCTED
- TRAFFIC
- CONCRETE BARRIER TEMPORARY
- TEMPORARY PAVEMENT MARKING
- DRUM
- DRUM WITH WARNING LIGHT TYPE C
- FLEXIBLE TUBULAR MARKER AND BASE
- TEMPORARY DELINEATOR

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CONSTRUCTION STAGING - STAGE 6B	SHEET 315	E

CONSTRUCTION

CONSTRUCT PROPOSED IH 94 EB MEDIAN SHOULDER

REMOVE AND RESTORE TRAFFIC CROSSOVERS AND TEMPORARY RAMP CONNECTIONS

REMOVE REMAINING TEMPORARY SHOULDER WIDENING

TRAFFIC

IH 94 WB ON PROPOSED IH 94 WB LANES

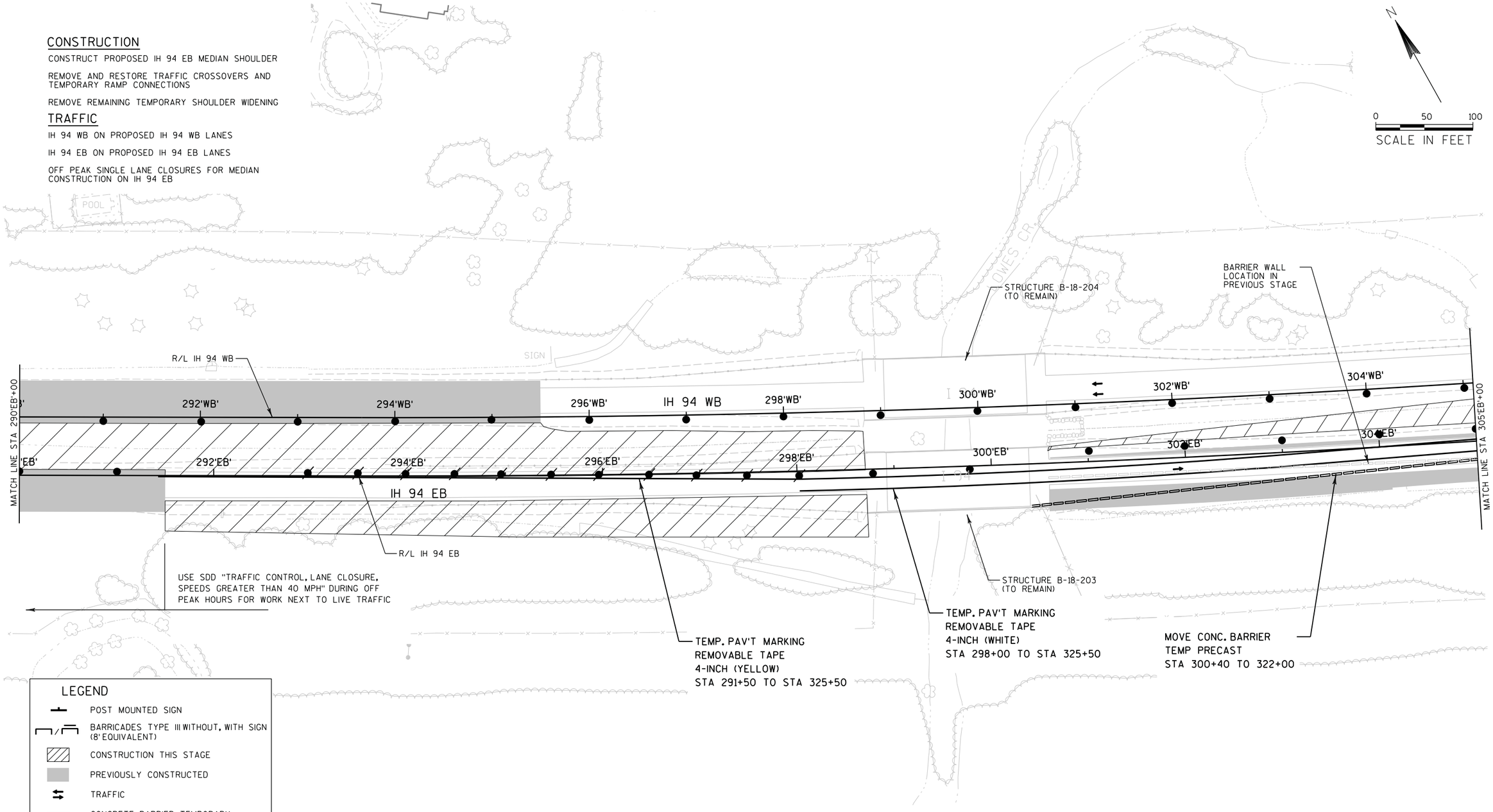
IH 94 EB ON PROPOSED IH 94 EB LANES

OFF PEAK SINGLE LANE CLOSURES FOR MEDIAN CONSTRUCTION ON IH 94 EB

N

0 50 100

SCALE IN FEET



LEGEND

- POST MOUNTED SIGN
- BARRICADES TYPE III WITHOUT, WITH SIGN (8' EQUIVALENT)
- CONSTRUCTION THIS STAGE
- PREVIOUSLY CONSTRUCTED
- TRAFFIC
- CONCRETE BARRIER TEMPORARY
- TEMPORARY PAVEMENT MARKING
- DRUM
- DRUM WITH WARNING LIGHT TYPE C
- FLEXIBLE TUBULAR MARKER AND BASE
- TEMPORARY DELINEATOR

CONSTRUCTION

CONSTRUCT PROPOSED IH 94 EB MEDIAN SHOULDER

REMOVE AND RESTORE TRAFFIC CROSSOVERS AND TEMPORARY RAMP CONNECTIONS

REMOVE REMAINING TEMPORARY SHOULDER WIDENING

TRAFFIC

IH 94 WB ON PROPOSED IH 94 WB LANES

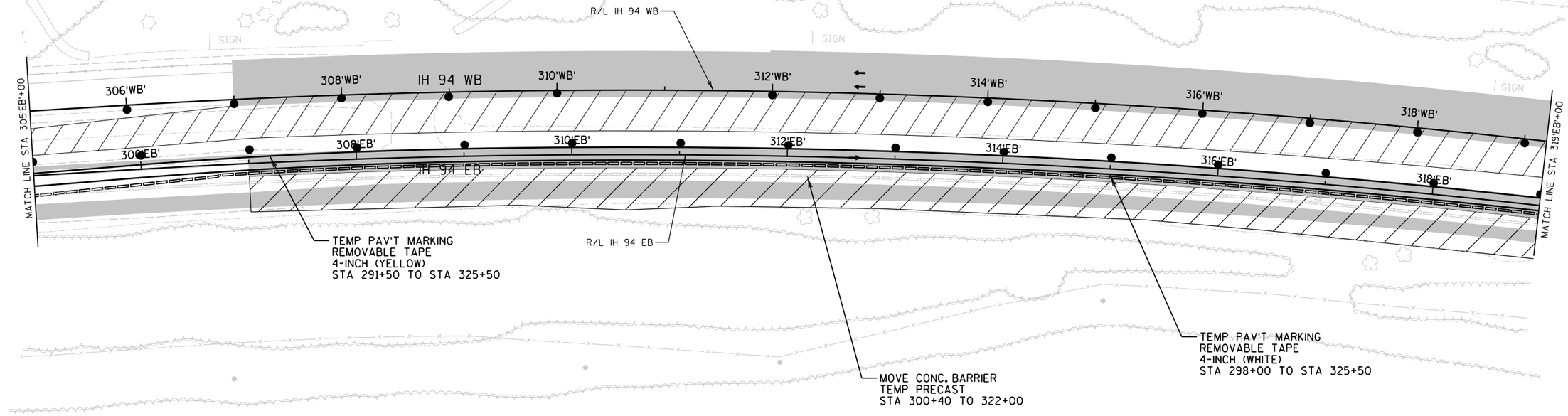
IH 94 EB ON PROPOSED IH 94 EB LANES

OFF PEAK SINGLE LANE CLOSURES FOR MEDIAN CONSTRUCTION ON IH 94 EB

N

0 50 100

SCALE IN FEET



LEGEND

- POST MOUNTED SIGN
- BARRICADES TYPE III WITHOUT, WITH SIGN (8' EQUIVALENT)
- CONSTRUCTION THIS STAGE
- PREVIOUSLY CONSTRUCTED
- TRAFFIC
- CONCRETE BARRIER TEMPORARY
- TEMPORARY PAVEMENT MARKING
- DRUM
- DRUM WITH WARNING LIGHT TYPE C
- FLEXIBLE TUBULAR MARKER AND BASE
- TEMPORARY DELINEATOR

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CONSTRUCTION STAGING - STAGE 6B	SHEET 317	E

2

CONSTRUCTION

CONSTRUCT PROPOSED IH 94 EB MEDIAN SHOULDER

REMOVE AND RESTORE TRAFFIC CROSSOVERS AND TEMPORARY RAMP CONNECTIONS

REMOVE REMAINING TEMPORARY SHOULDER WIDENING

TRAFFIC

IH 94 WB ON PROPOSED IH 94 WB LANES

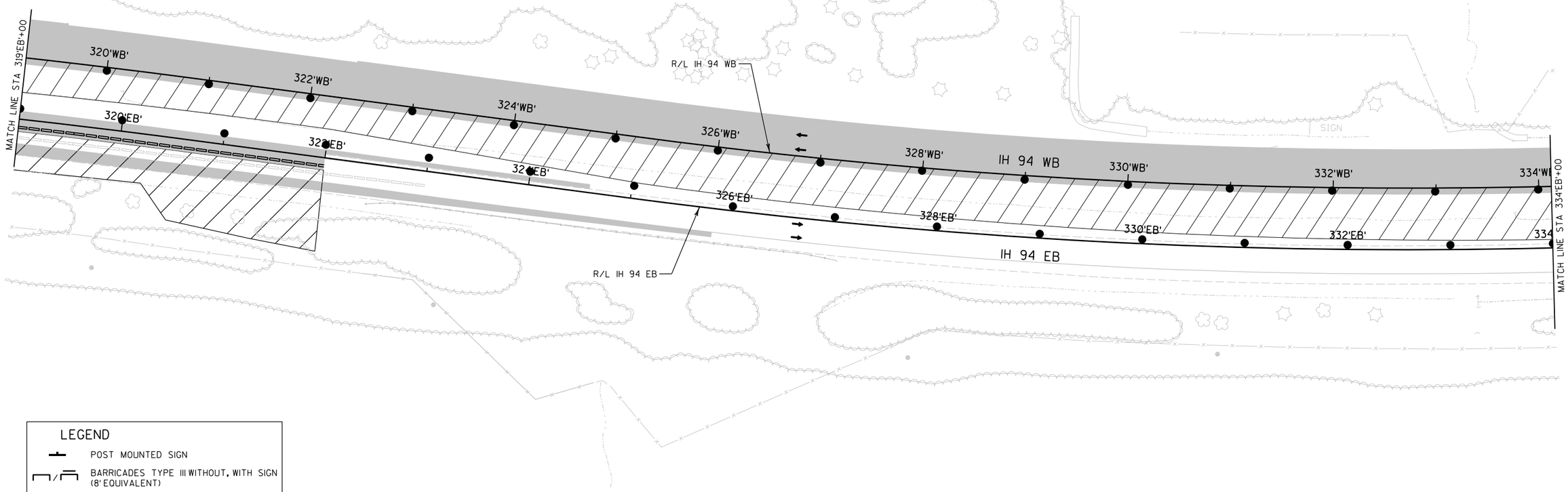
IH 94 EB ON PROPOSED IH 94 EB LANES

OFF PEAK SINGLE LANE CLOSURES FOR MEDIAN CONSTRUCTION ON IH 94 EB

N

0 50 100

SCALE IN FEET



LEGEND

- POST MOUNTED SIGN
- BARRICADES TYPE III WITHOUT, WITH SIGN (8' EQUIVALENT)
- CONSTRUCTION THIS STAGE
- PREVIOUSLY CONSTRUCTED
- TRAFFIC
- CONCRETE BARRIER TEMPORARY
- TEMPORARY PAVEMENT MARKING
- DRUM
- DRUM WITH WARNING LIGHT TYPE C
- FLEXIBLE TUBULAR MARKER AND BASE
- TEMPORARY DELINEATOR

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CONSTRUCTION STAGING - STAGE 6B	SHEET 318	E

FILE NAME : ...\CH_0803_026609_S6B.dgn PLOT DATE : 3/1/2013 PLOT BY : SEH PLOT NAME : PLOT SCALE : N/A

2

CONSTRUCTION

CONSTRUCT PROPOSED IH 94 EB MEDIAN SHOULDER

REMOVE AND RESTORE TRAFFIC CROSSOVERS AND TEMPORARY RAMP CONNECTIONS

REMOVE REMAINING TEMPORARY SHOULDER WIDENING

TRAFFIC

IH 94 WB ON PROPOSED IH 94 WB LANES

IH 94 EB ON PROPOSED IH 94 EB LANES

OFF PEAK SINGLE LANE CLOSURES FOR MEDIAN CONSTRUCTION ON IH 94 EB

N

0 50 100

SCALE IN FEET

USE SDD "TRAFFIC CONTROL, SHOULDER CLOSURE ON DIVIDED ROADWAY SPEEDS GREATER THAN 40 MPH" FOR MEDIAN WORK AND
USE SDD "TRAFFIC CONTROL, LANE CLOSURE, SPEEDS GREATER THAN 40 MPH" DURING OFF PEAK HOURS FOR WORK NEXT TO LIVE TRAFFIC

R/L IH 94 WB

540'WB' 542'WB' 544'WB' 546'WB' 548'WB' 550'WB' 552'WB' 554'WB'

IH 94 WB

540'EB' 542'EB' 544'EB' 546'EB' 548'EB' 550'EB' 552'EB' 554'EB'

IH 94 EB

R/L IH 94 EB

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

LEGEND

- POST MOUNTED SIGN
- BARRICADES TYPE III WITHOUT, WITH SIGN (8' EQUIVALENT)
- CONSTRUCTION THIS STAGE
- PREVIOUSLY CONSTRUCTED
- TRAFFIC
- CONCRETE BARRIER TEMPORARY
- TEMPORARY PAVEMENT MARKING
- DRUM
- DRUM WITH WARNING LIGHT TYPE C
- FLEXIBLE TUBULAR MARKER AND BASE
- TEMPORARY DELINEATOR

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CONSTRUCTION STAGING - STAGE 6B	SHEET 319	E

FILE NAME : ...\CH_0803_026624_S6B.dgn PLOT DATE : 3/1/2013 PLOT BY : SEH PLOT NAME : PLOT SCALE : N/A

2

2

N

STA. =264+07'WB'
OFFSET=-623' L

STA. =271+26'WB'
OFFSET=-785' L

STA. =256+89'WB'
OFFSET=-30' L

STA. =256+59'EB'
OFFSET=32' R

STA. =262+02'EB'
OFFSET=540' R

STA. =268+27'EB'
OFFSET=714' R

RAMP 'A'
RAMP 'B'
RAMP 'C'
RAMP 'D'

IH 94 WB
IH 94 EB

STH 37 SB
STH 37 NB

CHIPPEWA R.
JOPKE RD.
BIKE PATH
WALLS

LEGEND

—x— WOVEN WIRE FENCE 4-FT

—o— CHAIN LINK FENCE 6-FOOT

NOTE

NEW FENCE LOCATION TO BE LOCATED ON THE EXISTING FENCE ALIGNMENT. ITEM "CONSTRUCTION STAKING FENCE REFERENCE" SHALL BE COMPLETED PRIOR TO "REMOVING FENCE" ITEM.

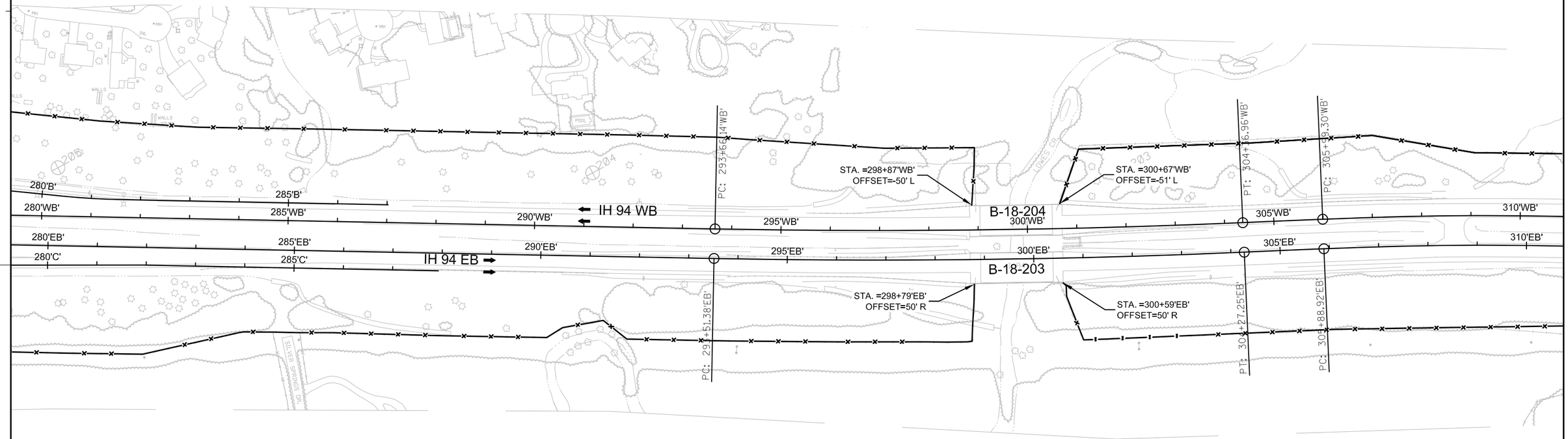
PROJECT NO: 1022-08-73	HWY: IH-94	COUNTY: EAU CLAIRE	RIGHT-OF-WAY FENCING PLAN	SHEET 320	E

FILE NAME : W:\NWBE_PROJECTS\DESIGN\1029_I94\C3D_12\1029_FINAL_FENCE_PLAN.DWG PLOT SCALE : 1 IN:200 FT PLOT DATE : 9/3/2008 9:36 AM PLOT BY : GARY COLBERT PLOT NAME : ----------

WISDOT/CADDS SHEET 42

2

N



LEGEND

—x— WOVEN WIRE FENCE 4-FT

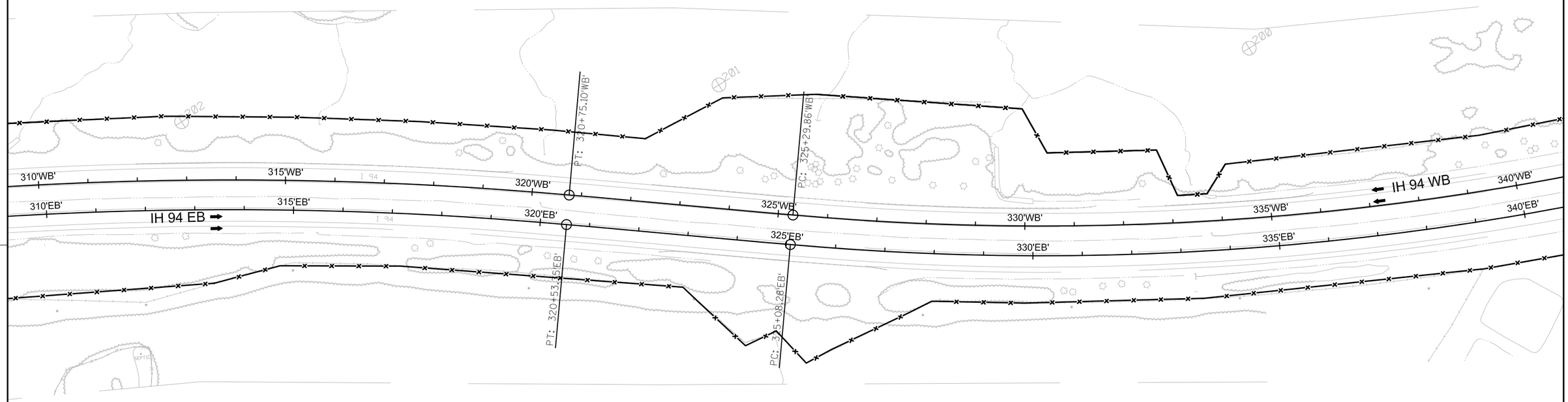
—o— CHAIN LINK FENCE 6-FOOT

NOTE

NEW FENCE LOCATION TO BE LOCATED ON THE EXISTING FENCE ALIGNMENT. ITEM "CONSTRUCTION STAKING FENCE REFERENCE" SHALL BE COMPLETED PRIOR TO "REMOVING FENCE" ITEM.

PROJECT NO: 1022-08-73	HWY: IH-94	COUNTY: EAU CLAIRE	RIGHT-OF-WAY FENCING PLAN	SHEET 321	E

2



LEGEND

—x— WOVEN WIRE FENCE 4-FT

—o— CHAIN LINK FENCE 6-FOOT

NOTE

NEW FENCE LOCATION TO BE LOCATED ON THE EXISTING FENCE ALIGNMENT. ITEM "CONSTRUCTION STAKING FENCE REFERENCE" SHALL BE COMPLETED PRIOR TO "REMOVING FENCE" ITEM.

PROJECT NO: 1022-08-73	HWY: IH-94	COUNTY: EAU CLAIRE	RIGHT-OF-WAY FENCING PLAN	SHEET /	E

FILE NAME : W:\NWBE_PROJECTS\DESIGN\1029_I94\C3D_12\1029_FINAL_FENCE_PLAN.DWG PLOT DATE : 9/3/2008 9:36 AM PLOT BY : GARY COLBERT PLOT NAME : ---------- PLOT SCALE : 1 IN:200 FT

2

N

PT: 344+43.75'WB'

STA. =353+76'WB'
OFFSET=-37' L

B-18-30

STA. =354+81'WB'
OFFSET=-37' L

IH 94 WB

340'WB' 345'WB' 350'WB' 355'WB' 360'WB' 365'WB' 370'WB'

340'EB' 345'EB' 350'EB' 355'EB' 360'EB' 365'EB' 370'EB'

IH 94 EB

PT: 344+42.39'EB'

STA. =353+97'EB'
OFFSET=35' R

B-18-29

STA. =355+03'EB'
OFFSET=36' R

GATE CHAIN LINK 8-FT

LEGEND

—x— WOVEN WIRE FENCE 4-FT

—o— CHAIN LINK FENCE 6-FOOT

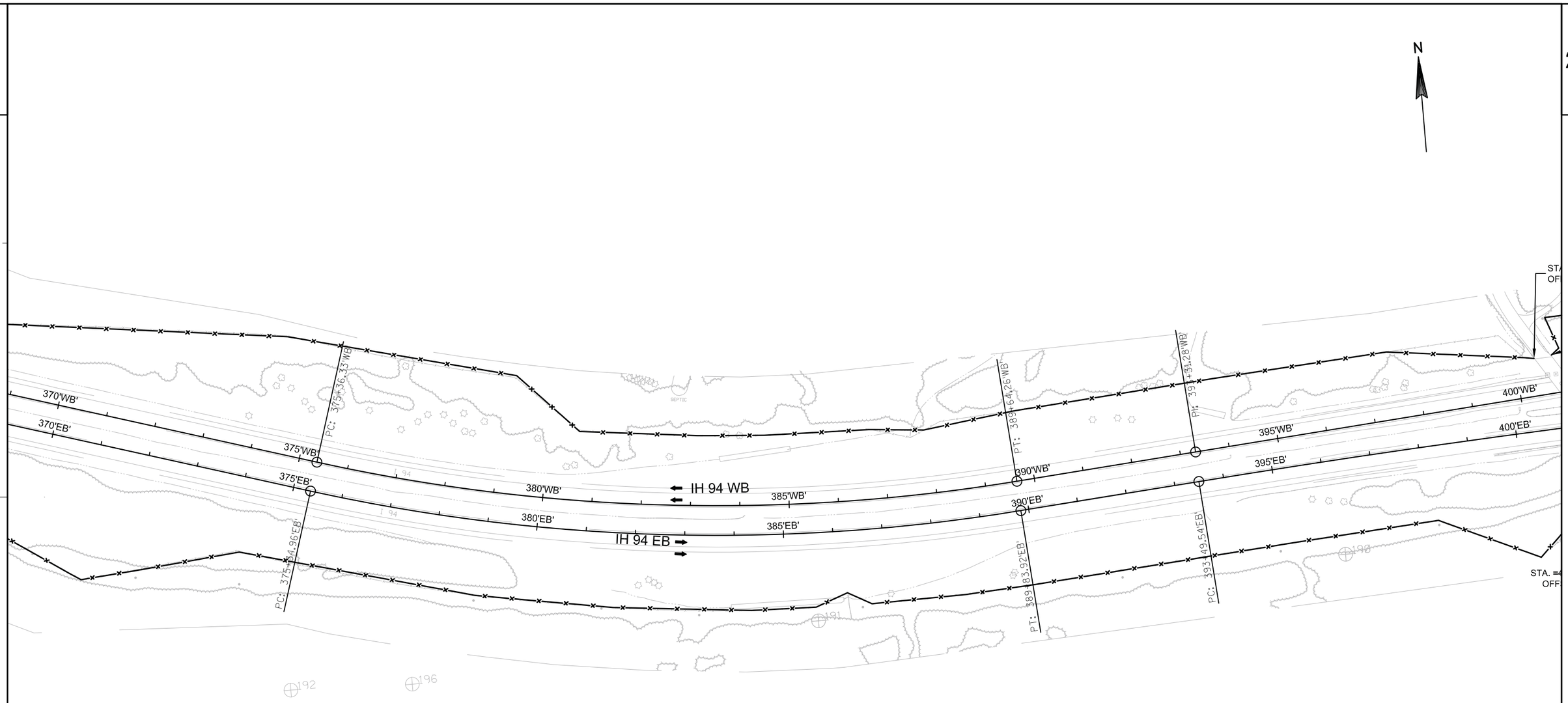
NOTE

NEW FENCE LOCATION TO BE LOCATED ON THE EXISTING FENCE ALIGNMENT. ITEM "CONSTRUCTION STAKING FENCE REFERENCE" SHALL BE COMPLETED PRIOR TO "REMOVING FENCE" ITEM.

PROJECT NO: 1022-08-73	HWY: IH-94	COUNTY: EAU CLAIRE	RIGHT-OF-WAY FENCING PLAN	SHEET /	E

FILE NAME : W:\NWBE_PROJECTS\DESIGN\1029_I94\C3D_12\1029_FINAL_FENCE_PLAN.DWG PLOT DATE : 9/3/2008 9:36 AM PLOT BY : GARY COLBERT PLOT NAME : _____ PLOT SCALE : 1 IN:200 FT

2



LEGEND

—x— WOVEN WIRE FENCE 4-FT

—o— CHAIN LINK FENCE 6-FOOT

NOTE

NEW FENCE LOCATION TO BE LOCATED ON THE EXISTING FENCE ALIGNMENT. ITEM "CONSTRUCTION STAKING FENCE REFERENCE" SHALL BE COMPLETED PRIOR TO "REMOVING FENCE" ITEM.

PROJECT NO: 1022-08-73	HWY: IH-94	COUNTY: EAU CLAIRE	RIGHT-OF-WAY FENCING PLAN	SHEET /	E

2

N

STA. =400+39'WB'
OFFSET=-76' L

STA. =400+75'WB'
OFFSET=-77' L

STA. =406+67'WB'
OFFSET=-36' L

STA. =408+13'WB'
OFFSET=-35' L

B-18-227

PC: 410+00.95'WB'

400'WB' 405'WB' 410'WB' 415'WB' 420'WB' 425'WB' 430'WB'

IH 94 WB

400'EB' 405'EB' 410'EB' 415'EB' 420'EB' 425'EB' 430'EB'

B-18-228

IH 94 EB

PT: 409+50.01'EB'

STA. =407+18'EB'
OFFSET=36' R

STA. =402+24'EB'
OFFSET=80' R

STA. =401+88'EB'
OFFSET=82' R

STA. =408+64'EB'
OFFSET=37' R

LOWES DR

STATE HIGHWAY 10

LEGEND

—x— WOVEN WIRE FENCE 4-FT

—o— CHAIN LINK FENCE 6-FOOT

NOTE

NEW FENCE LOCATION TO BE LOCATED ON THE EXISTING FENCE ALIGNMENT. ITEM "CONSTRUCTION STAKING FENCE REFERENCE" SHALL BE COMPLETED PRIOR TO "REMOVING FENCE" ITEM.

PROJECT NO: 1022-08-73	HWY: IH-94	COUNTY: EAU CLAIRE	RIGHT-OF-WAY FENCING PLAN	SHEET /	E

FILE NAME : W:\NWBE_PROJECTS\DESIGN\1029_I94\C3D_12\1029_FINAL_FENCE_PLAN.DWG PLOT DATE : 9/3/2008 9:36 AM PLOT BY : GARY COLBERT PLOT NAME : _____ PLOT SCALE : 1 IN:200 FT

WISDOT/CADDET 42

2

2

N

PC: 434+15.14 'WB'

430'WB'

435'WB'

440'WB'

IH 94 WB

445'WB'

450'E'

450'WB'

455'E'

455'WB'

460'E'

460'WB'

430'EB'

435'EB'

440'EB'

IH 94 EB

445'EB'

450'EB'

450'H'

455'EB'

455'H'

460'EB'

460'H'

PC: 457+09.18 'EB'

LEGEND

—x— WOVEN WIRE FENCE 4-FT

—o— CHAIN LINK FENCE 6-FOOT

NOTE

NEW FENCE LOCATION TO BE LOCATED ON THE EXISTING FENCE ALIGNMENT. ITEM "CONSTRUCTION STAKING FENCE REFERENCE" SHALL BE COMPLETED PRIOR TO "REMOVING FENCE" ITEM.

PROJECT NO: 1022-08-73	HWY: IH-94	COUNTY: EAU CLAIRE	RIGHT-OF-WAY FENCING PLAN	SHEET /	E

FILE NAME : W:\NWBE_PROJECTS\DESIGN\1029_I94\C3D_12\1029_FINAL_FENCE_PLAN.DWG PLOT DATE : 9/3/2008 9:36 AM PLOT BY : GARY COLBERT PLOT NAME : ---------- PLOT SCALE : 1 IN:200 FT

2

N

STA. =467+42'WB'
OFFSET=-521' L

STA. =470+17'WB'
OFFSET=-523' L

RAMP 'E'

RAMP 'F'

RAMP 'G'

RAMP 'H'

460'E'
465'E'
470'F'
475'F'
480'F'
485'F'
487'F'

460'WB'
465'WB'
470'WB'
475'WB'
480'WB'
485'WB'
490'WB'

IH 94 WB

460'EB'
465'EB'
470'EB'
475'EB'
480'EB'
485'EB'
490'EB'

IH 94 EB

480'G'
485'G'
490'G'
475'G'
470'G'

460'H'
465'H'
470'H'

PT: 468+82.54'EB'
PI: 469+35.46'EB'
PI: 469+23.66'WB'
PI: 470+79.89'EB'

STA. =468+65'EB'
OFFSET=506' R

STA. =470+80'EB'
OFFSET=497' R

LEGEND

—x— WOVEN WIRE FENCE 4-FT

—o— CHAIN LINK FENCE 6-FOOT

NOTE

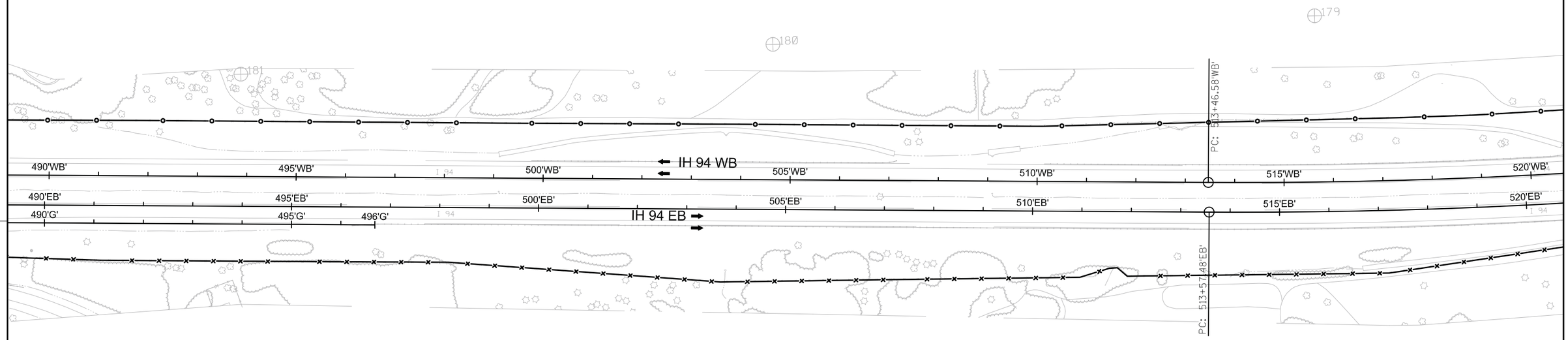
NEW FENCE LOCATION TO BE LOCATED ON THE EXISTING FENCE ALIGNMENT. ITEM "CONSTRUCTION STAKING FENCE REFERENCE" SHALL BE COMPLETED PRIOR TO "REMOVING FENCE" ITEM.

PROJECT NO: 1022-08-73	HWY: IH-94	COUNTY: EAU CLAIRE	RIGHT-OF-WAY FENCING PLAN	SHEET /	E

FILE NAME : W:\NWBE_PROJECTS\DESIGN\1029_I94\C3D_12\1029_FINAL_FENCE_PLAN.DWG PLOT DATE : 9/3/2008 9:36 AM PLOT BY : GARY COLBERT PLOT NAME : ---------- PLOT SCALE : 1 IN:200 FT

2

N



LEGEND

—x— WOVEN WIRE FENCE 4-FT

—o— CHAIN LINK FENCE 6-FOOT

NOTE

NEW FENCE LOCATION TO BE LOCATED ON THE EXISTING FENCE ALIGNMENT. ITEM "CONSTRUCTION STAKING FENCE REFERENCE" SHALL BE COMPLETED PRIOR TO "REMOVING FENCE" ITEM.

PROJECT NO: 1022-08-73	HWY: IH-94	COUNTY: EAU CLAIRE	RIGHT-OF-WAY FENCING PLAN	SHEET /	E

FILE NAME : W:\NWBE_PROJECTS\DESIGN\1029_I94\C3D_12\1029_FINAL_FENCE_PLAN.DWG PLOT DATE : 9/3/2008 9:36 AM PLOT BY : GARY COLBERT PLOT NAME : ---------- PLOT SCALE : 1 IN:200 FT

2

N

STA. =552+73'WB'
OFFSET=-146' L

PT: 534+51.94'WB'

525'WB' 530'WB' 535'WB' 540'WB' 545'WB' 550'WB'

IH 94 WB

525'EB' 530'EB' 535'EB' 540'EB' 545'EB' 550'EB'

IH 94 EB

PT: 535+90.72'EB'

STA. =553+27'EB
OFFSET=157' L

LEGEND

—x— WOVEN WIRE FENCE 4-FT

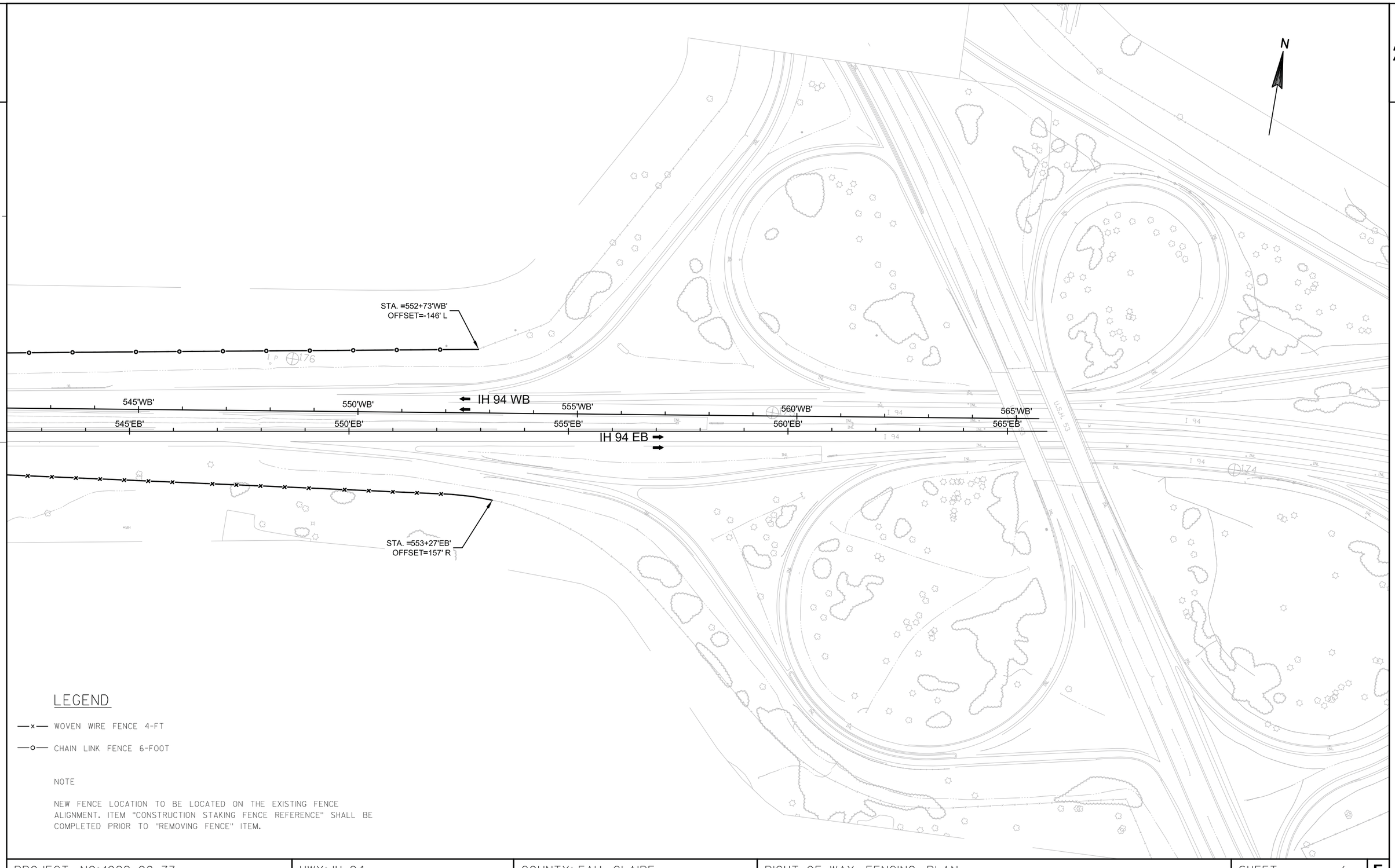
—o— CHAIN LINK FENCE 6-FOOT

NOTE

NEW FENCE LOCATION TO BE LOCATED ON THE EXISTING FENCE ALIGNMENT. ITEM "CONSTRUCTION STAKING FENCE REFERENCE" SHALL BE COMPLETED PRIOR TO "REMOVING FENCE" ITEM.

PROJECT NO: 1022-08-73	HWY: IH-94	COUNTY: EAU CLAIRE	RIGHT-OF-WAY FENCING PLAN	SHEET /	E

2



LEGEND

—x— WOVEN WIRE FENCE 4-FT

—o— CHAIN LINK FENCE 6-FOOT

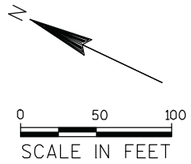
NOTE

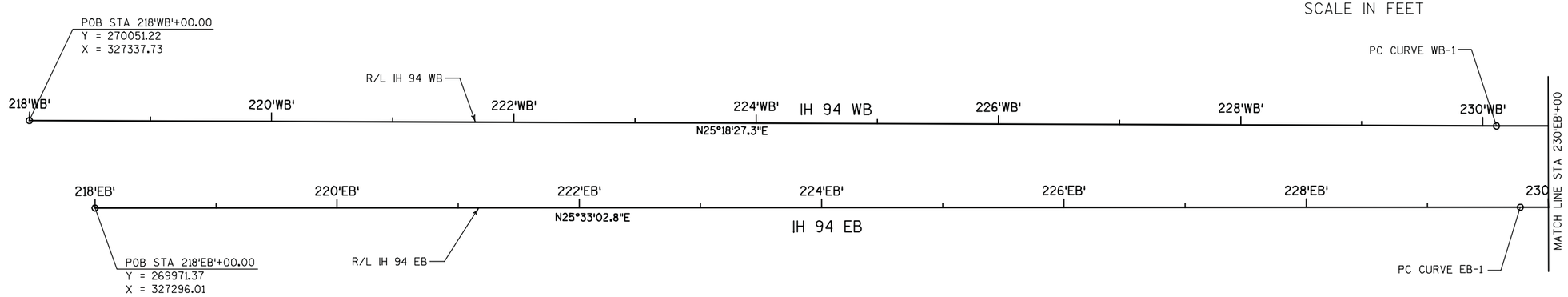
NEW FENCE LOCATION TO BE LOCATED ON THE EXISTING FENCE ALIGNMENT. ITEM "CONSTRUCTION STAKING FENCE REFERENCE" SHALL BE COMPLETED PRIOR TO "REMOVING FENCE" ITEM.

PROJECT NO: 1022-08-73	HWY: IH-94	COUNTY: EAU CLAIRE	RIGHT-OF-WAY FENCING PLAN	SHEET /	E

FILE NAME : W:\NWBE_PROJECTS\DESIGN\1029_I94\C3D_12\1029_FINAL_FENCE_PLAN.DWG PLOT DATE : 9/3/2008 9:36 AM PLOT BY : GARY COLBERT PLOT NAME : ---------- PLOT SCALE : 1 IN:200 FT

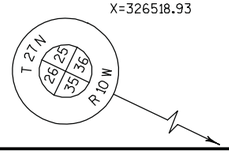
2





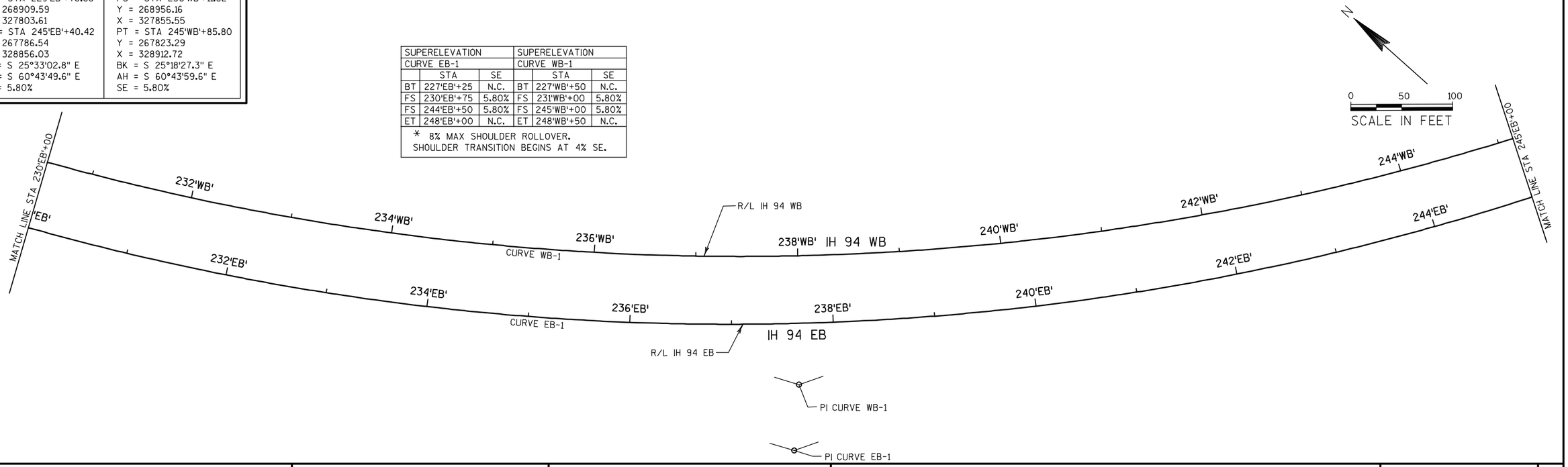
IH 94 EB	IH 94 WB
CURVE EB-1	CURVE WB-1
PI= STA 237'EB'+84.17	PI= STA 238'WB'+24.64
Y = 268181.24	Y = 268220.90
X = 328151.81	X = 328203.22
DELTA = 35°10'46.81"	DELTA = 35°25'32.30"
T = 807.29	T = 813.31
L = 1563.54	L = 1574.47
R = 2546.48	R = 2546.48
PC = STA 229'EB'+76.88	PC = STA 230'WB'+11.32
Y = 268909.59	Y = 268956.16
X = 327803.61	X = 327855.55
PT = STA 245'EB'+40.42	PT = STA 245'WB'+85.80
Y = 267786.54	Y = 267823.29
X = 328856.03	X = 328912.72
BK = S 25°33'02.8" E	BK = S 25°18'27.3" E
AH = S 60°43'49.6" E	AH = S 60°43'59.6" E
SE = 5.80%	SE = 5.80%

DO NOT DISTURB
Y=269217.70
X=326518.93



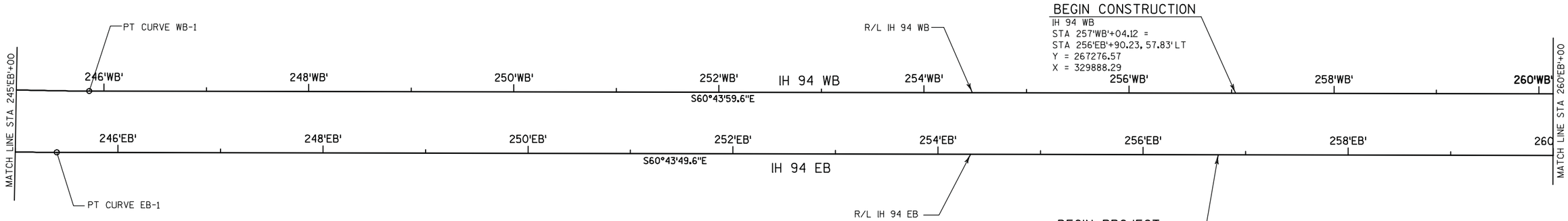
SUPERELEVATION			SUPERELEVATION		
CURVE EB-1			CURVE WB-1		
	STA	SE		STA	SE
BT	227'EB'+25	N.C.	BT	227'WB'+50	N.C.
FS	230'EB'+75	5.80%	FS	231'WB'+00	5.80%
FS	244'EB'+50	5.80%	FS	245'WB'+00	5.80%
ET	248'EB'+00	N.C.	ET	248'WB'+50	N.C.

* 8% MAX SHOULDER ROLLOVER.
SHOULDER TRANSITION BEGINS AT 4% SE.



PROJECT NO:1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	ALIGNMENT PLANS	SHEET 331	E

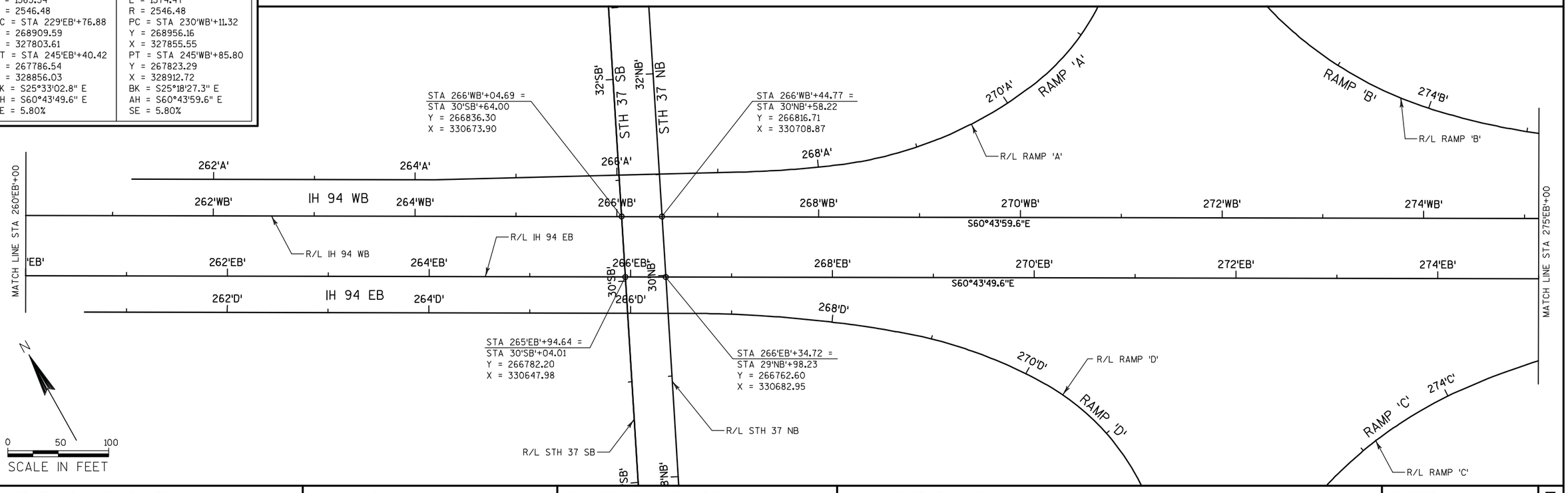
2



SUPERELEVATION CURVE EB-1			SUPERELEVATION CURVE WB-1		
	STA	SE		STA	SE
BT	227'EB'+25	N.C.	BT	227'WB'+50	N.C.
FS	230'EB'+75	5.80%	FS	231'WB'+00	5.80%
FS	244'EB'+50	5.80%	FS	245'WB'+00	5.80%
ET	248'EB'+00	N.C.	ET	248'WB'+50	N.C.

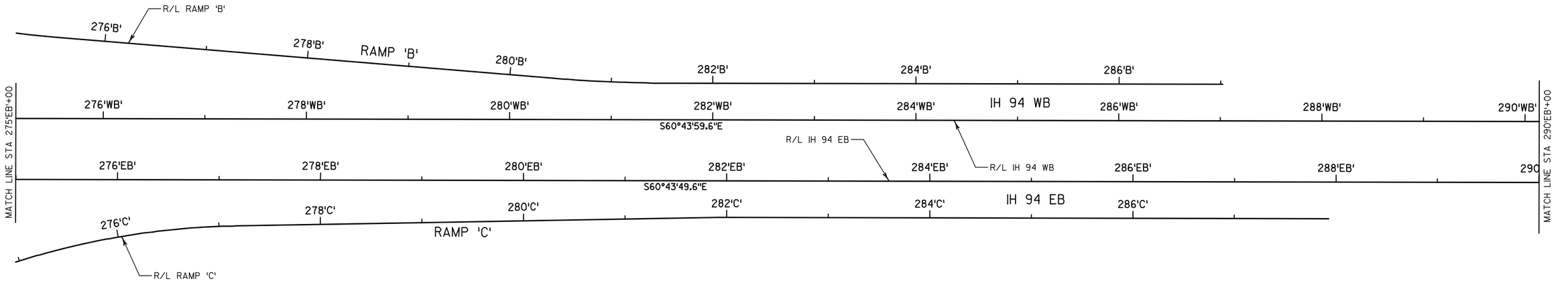
* 8% MAX SHOULDER ROLLOVER.
SHOULDER TRANSITION BEGINS AT 4% SE.

IH 94 EB	IH 94 WB
CURVE EB-1	CURVE WB-1
PI= STA 237'EB'+84.17	PI= STA 238'WB'+24.64
Y = 268181.24	Y = 268220.90
X = 328151.81	X = 328203.22
DELTA = 35°10'46.81"	DELTA = 35°25'32.30"
T = 807.29	T = 813.31
L = 1563.54	L = 1574.47
R = 2546.48	R = 2546.48
PC = STA 229'EB'+76.88	PC = STA 230'WB'+11.32
Y = 268909.59	Y = 268956.16
X = 327803.61	X = 327855.55
PT = STA 245'EB'+40.42	PT = STA 245'WB'+85.80
Y = 267786.54	Y = 267823.29
X = 328856.03	X = 328912.72
BK = S25°33'02.8" E	BK = S25°18'27.3" E
AH = S60°43'49.6" E	AH = S60°43'59.6" E
SE = 5.80%	SE = 5.80%

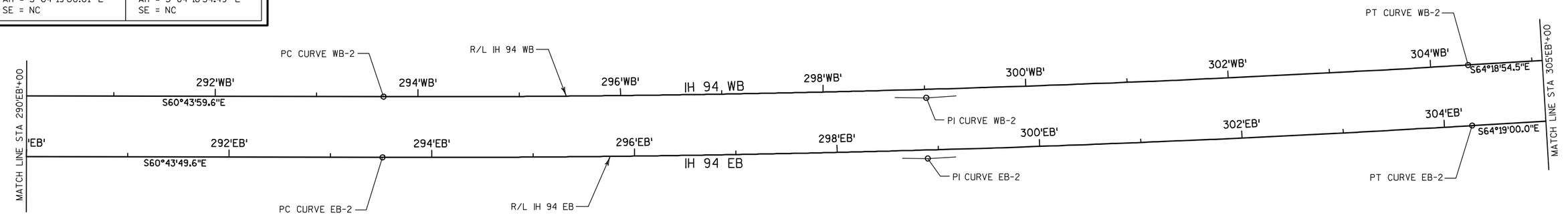


PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	ALIGNMENT PLANS	SHEET 332	E

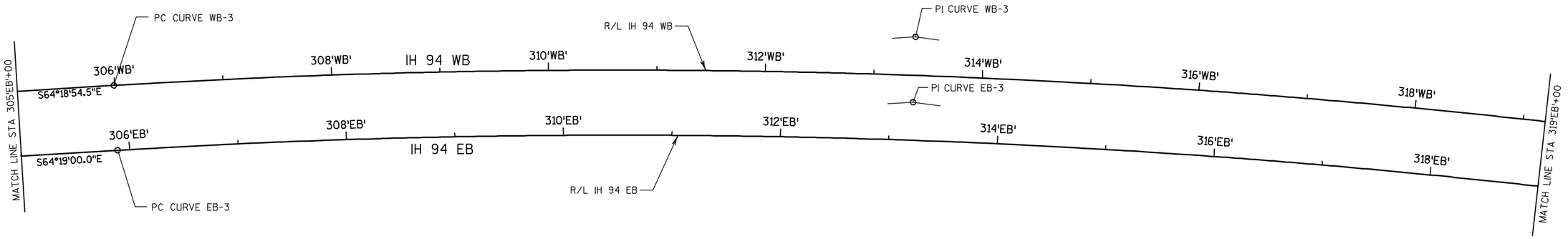
2



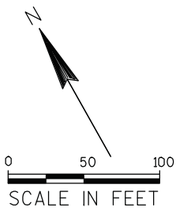
IH 94 EB	IH 94 WB
CURVE EB-2	CURVE WB-2
PI= STA 298'EB'+89.49	PI= STA 299'WB'+01.73
Y = 265171.28	Y = 265224.46
X = 333522.18	X = 333550.08
DELTA = 3°35'10.39"	DELTA = 3°34'54.88"
T = 538.11	T = 535.59
L = 1075.87	L = 1070.82
R = 17188.73	R = 17128.73
PC = STA 293'EB'+51.38	PC = STA 293'WB'+66.14
Y = 265434.37	Y = 265486.29
X = 333052.78	X = 333082.86
PT = STA 304'EB'+27.25	PT = STA 304'WB'+36.96
Y = 264938.06	Y = 264992.32
X = 334007.13	X = 334032.75
BK = S 60°43'49.63" E	BK = S 60°43'59.60" E
AH = S 64°19'00.01" E	AH = S 64°18'54.49" E
SE = NC	SE = NC



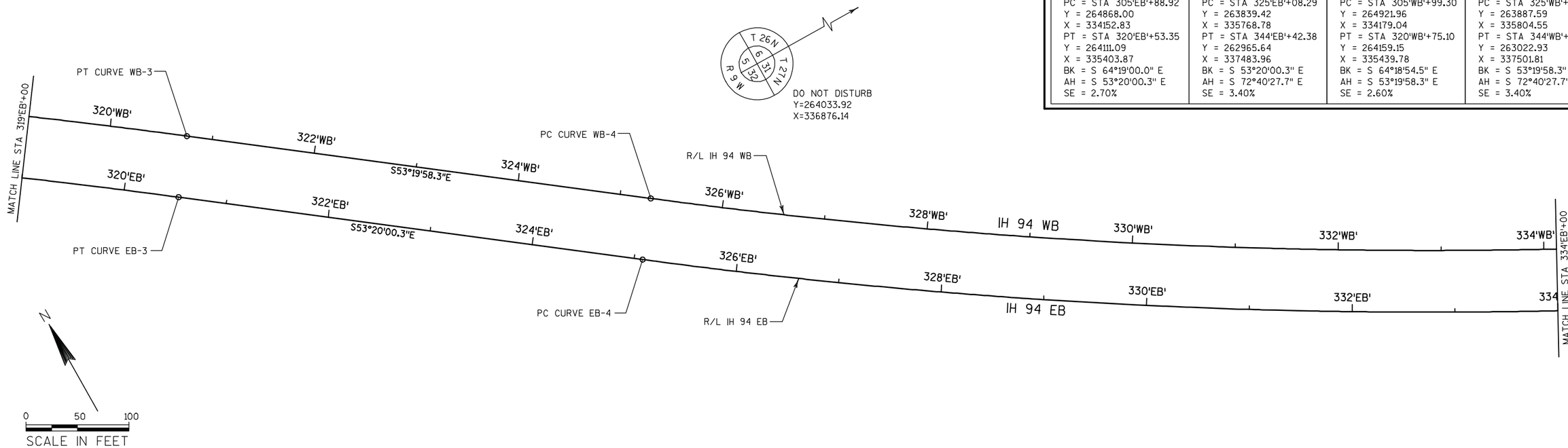
PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	ALIGNMENT PLANS	SHEET 333	E



SUPERELEVATION CURVE EB-3			SUPERELEVATION CURVE EB-4			SUPERELEVATION CURVE WB-3			SUPERELEVATION CURVE WB-4		
	STA	SE		STA	SE		STA	SE		STA	SE
ET	304'EB'+25	N.C.	ET	322'EB'+75	N.C.	ET	304'WB'+25	N.C.	ET	323'WB'+50	N.C.
FS	306'EB'+25	2.70%	FS	325'EB'+25	3.40%	FS	306'WB'+50	2.60%	FS	325'WB'+75	3.40%
FS	320'EB'+25	2.70%	FS	344'EB'+00	3.40%	FS	320'WB'+25	2.60%	FS	344'WB'+00	3.40%
ET	322'EB'+25	N.C.	ET	346'EB'+50	N.C.	ET	322'WB'+50	N.C.	ET	346'WB'+25	N.C.

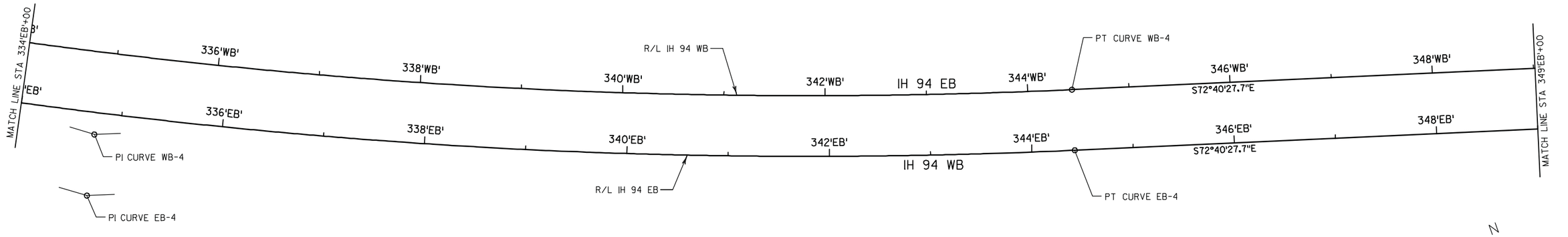


IH 94 EB	IH 94 EB	IH 94 WB	IH 94 WB
CURVE EB-3	CURVE EB-4	CURVE WB-3	CURVE WB-4
PI= STA 313'EB'+23.39	PI= STA 334'EB'+84.62	PI= STA 313'WB'+39.47	PI= STA 334'WB'+96.00
Y = 264549.68	Y = 263256.40	Y = 264601.16	Y = 263310.64
X = 334814.73	X = 336551.92	X = 334846.08	X = 336579.51
DELTA = 10°58'59.71"	DELTA = 19°20'27.35"	DELTA = 10°58'56.15"	DELTA = 19°20'29.31"
T = 734.47	T = 976.34	T = 740.17	T = 966.14
L = 1464.43	L = 1934.09	L = 1475.80	L = 1913.89
R = 7639.44	R = 5729.58	R = 7699.44	R = 5669.58
PC = STA 305'EB'+88.92	PC = STA 325'EB'+08.29	PC = STA 305'WB'+99.30	PC = STA 325'WB'+29.86
Y = 264868.00	Y = 263839.42	Y = 264921.96	Y = 263887.59
X = 334152.83	X = 335768.78	X = 334179.04	X = 335804.55
PT = STA 320'EB'+53.35	PT = STA 344'EB'+42.38	PT = STA 320'WB'+75.10	PT = STA 344'WB'+43.75
Y = 264111.09	Y = 262965.64	Y = 264159.15	Y = 263022.93
X = 335403.87	X = 337483.96	X = 335439.78	X = 337501.81
BK = S 64°19'00.0" E	BK = S 53°20'00.3" E	BK = S 64°18'54.5" E	BK = S 53°19'58.3" E
AH = S 53°20'00.3" E	AH = S 72°40'27.7" E	AH = S 53°19'58.3" E	AH = S 72°40'27.7" E
SE = 2.70%	SE = 3.40%	SE = 2.60%	SE = 3.40%

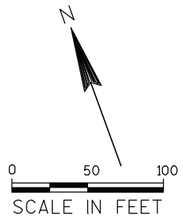


PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	ALIGNMENT PLANS	SHEET 334	E

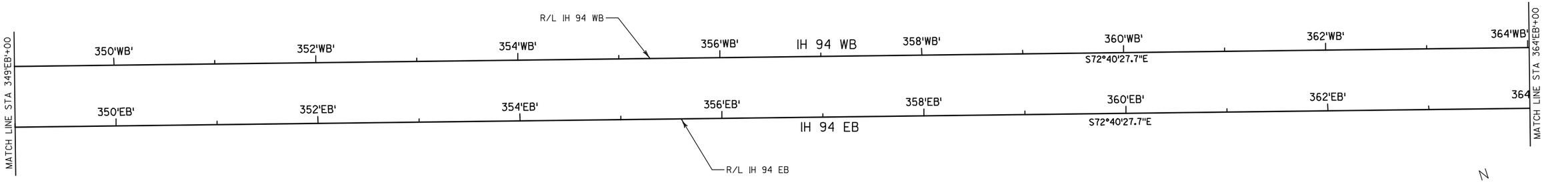
2

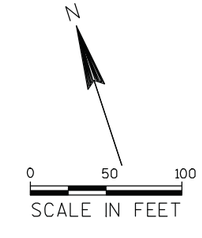


SUPERELEVATION CURVE EB-4			SUPERELEVATION CURVE WB-4		
	STA	SE		STA	SE
ET	322'EB'+75	N.C.	ET	323'WB'+50	N.C.
FS	325'EB'+25	3.40%	FS	325'WB'+75	3.40%
FS	344'EB'+00	3.40%	FS	344'WB'+00	3.40%
ET	346'EB'+50	N.C.	ET	346'WB'+25	N.C.



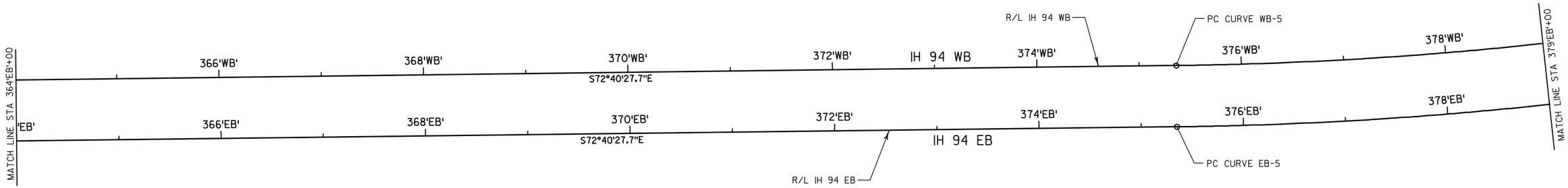
IH 94 EB	IH 94 WB
CURVE EB-4	CURVE WB-4
PI= STA 334'EB'+84.62	PI= STA 334'WB'+96.00
Y = 263256.40	Y = 263310.64
X = 336551.92	X = 336579.51
DELTA = 19°20'27.35"	DELTA = 19°20'29.31"
T = 976.34	T = 966.14
L = 1934.09	L = 1913.89
R = 5729.58	R = 5669.58
PC = STA 325'EB'+08.29	PC = STA 325'WB'+29.86
Y = 263839.42	Y = 263887.59
X = 335768.78	X = 335804.55
PT = STA 344'EB'+42.38	PT = STA 344'WB'+43.75
Y = 262965.64	Y = 263022.93
X = 337483.96	X = 337501.81
BK = S 53°20'00.3" E	BK = S 53°19'58.3" E
AH = S 72°40'27.7" E	AH = S 72°40'27.7" E
SE = 3.40%	SE = 3.40%





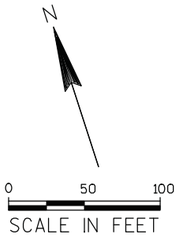
PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	ALIGNMENT PLANS	SHEET 335	E

2

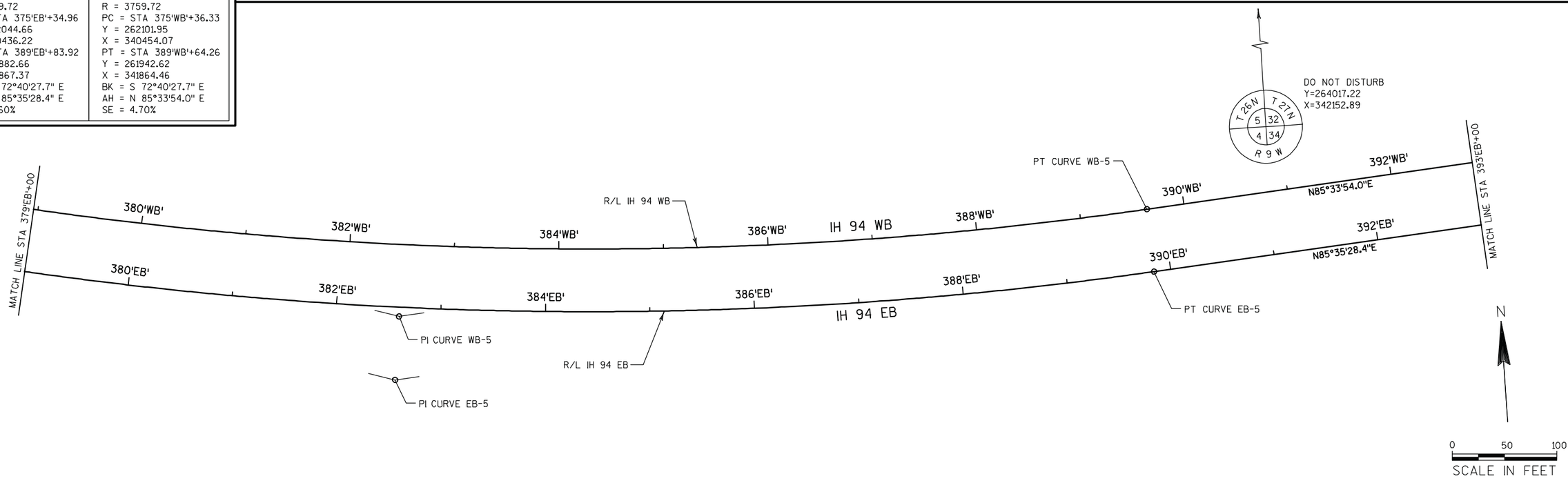


SUPERELEVATION CURVE EB-5			SUPERELEVATION CURVE WB-5		
	STA	SE		STA	SE
BT	373'EB'+00	N.C.	BT	373'WB'+00	N.C.
FS	376'EB'+00	4.60%	FS	376'WB'+00	4.70%
FS	389'EB'+25	4.60%	FS	389'WB'+00	4.70%
ET	392'EB'+25	N.C.	ET	392'WB'+00	N.C.

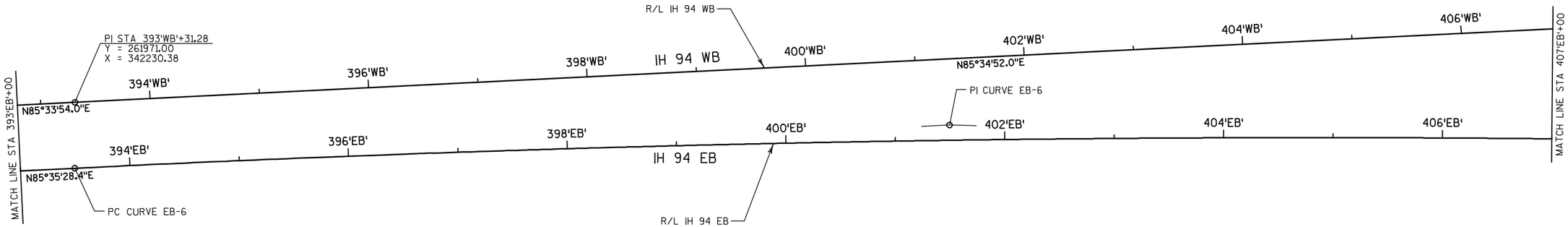
* 8% MAX SHOULDER ROLLOVER.
SHOULDER TRANSITION BEGINS AT 4% SE.

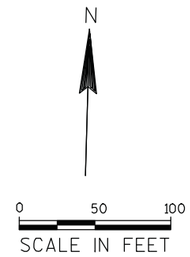


IH 94 EB	IH 94 WB
CURVE EB-5	CURVE WB-5
PI= STA 382'EB'+68.25	PI= STA 382'WB'+59.00
Y = 261826.29	Y = 261886.74
X = 341136.24	X = 341143.95
DELTA = 21°44'03.97"	DELTA = 21°45'38.33"
T = 733.30	T = 722.67
L = 1448.96	L = 1427.92
R = 3819.72	R = 3759.72
PC = STA 375'EB'+34.96	PC = STA 375'WB'+36.33
Y = 262044.66	Y = 262101.95
X = 340436.22	X = 340454.07
PT = STA 389'EB'+83.92	PT = STA 389'WB'+64.26
Y = 261882.66	Y = 261942.62
X = 341867.37	X = 341864.46
BK = S 72°40'27.7" E	BK = S 72°40'27.7" E
AH = N 85°35'28.4" E	AH = N 85°33'54.0" E
SE = 4.60%	SE = 4.70%

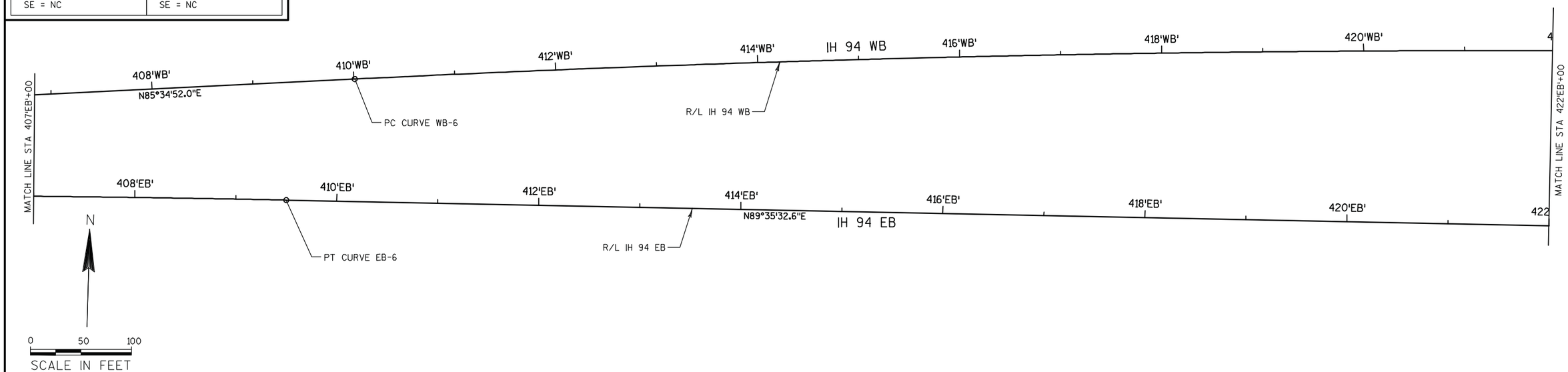


PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	ALIGNMENT PLANS	SHEET 336	E



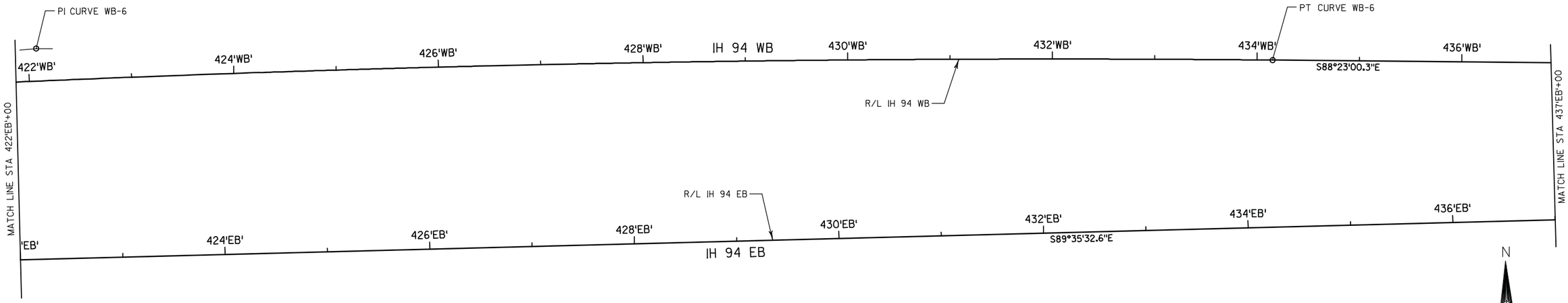


IH 94 EB	IH 94 WB
CURVE EB-6	CURVE WB-6
PI= STA 401'EB'+50.10	PI= STA 422'WB'+09.16
Y = 261972.30	Y = 262192.73
X = 343030.10	X = 345099.71
DELTA = 4°00'04.25"	DELTA = 6°02'07.74"
T = 800.56	T = 1208.21
L = 1600.47	L = 2414.19
R = 22918.31	R = 22918.31
PC = STA 393'EB'+49.54	PC = STA 410'WB'+00.95
Y = 261910.76	Y = 262099.64
X = 342231.90	X = 343895.09
PT = STA 409'EB'+50.01	PT = STA 434'WB'+15.14
Y = 261978.00	Y = 262158.65
X = 343830.64	X = 346307.44
BK = N 85°35'28.4" E	BK = N 85°34'52.0" E
AH = N 89°35'32.6" E	AH = S 88°23'00.3" E
SE = NC	SE = NC



PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	ALIGNMENT PLANS	SHEET 337	E

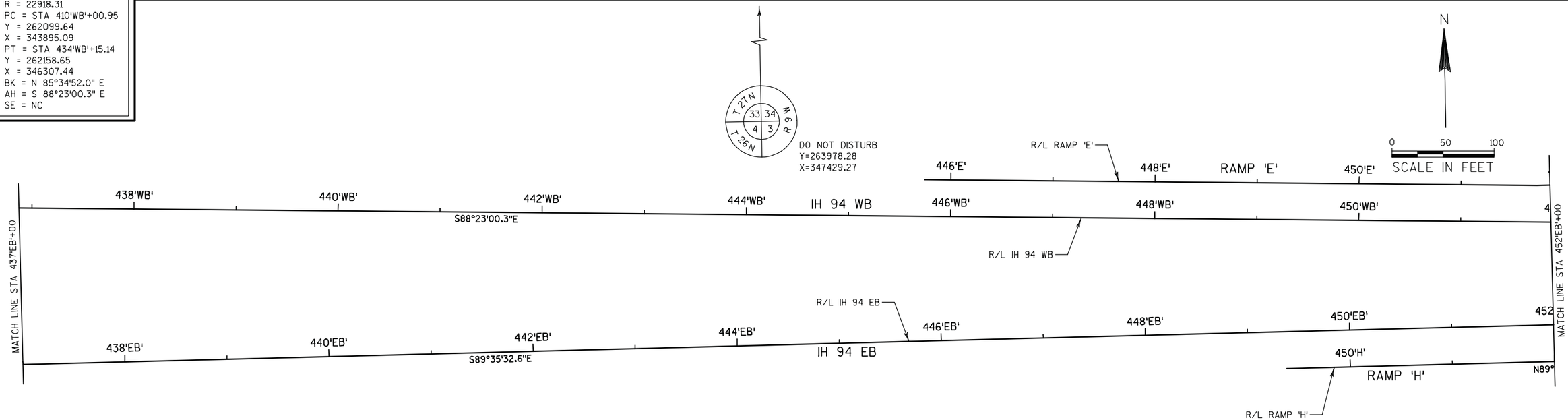
2



IH 94 WB

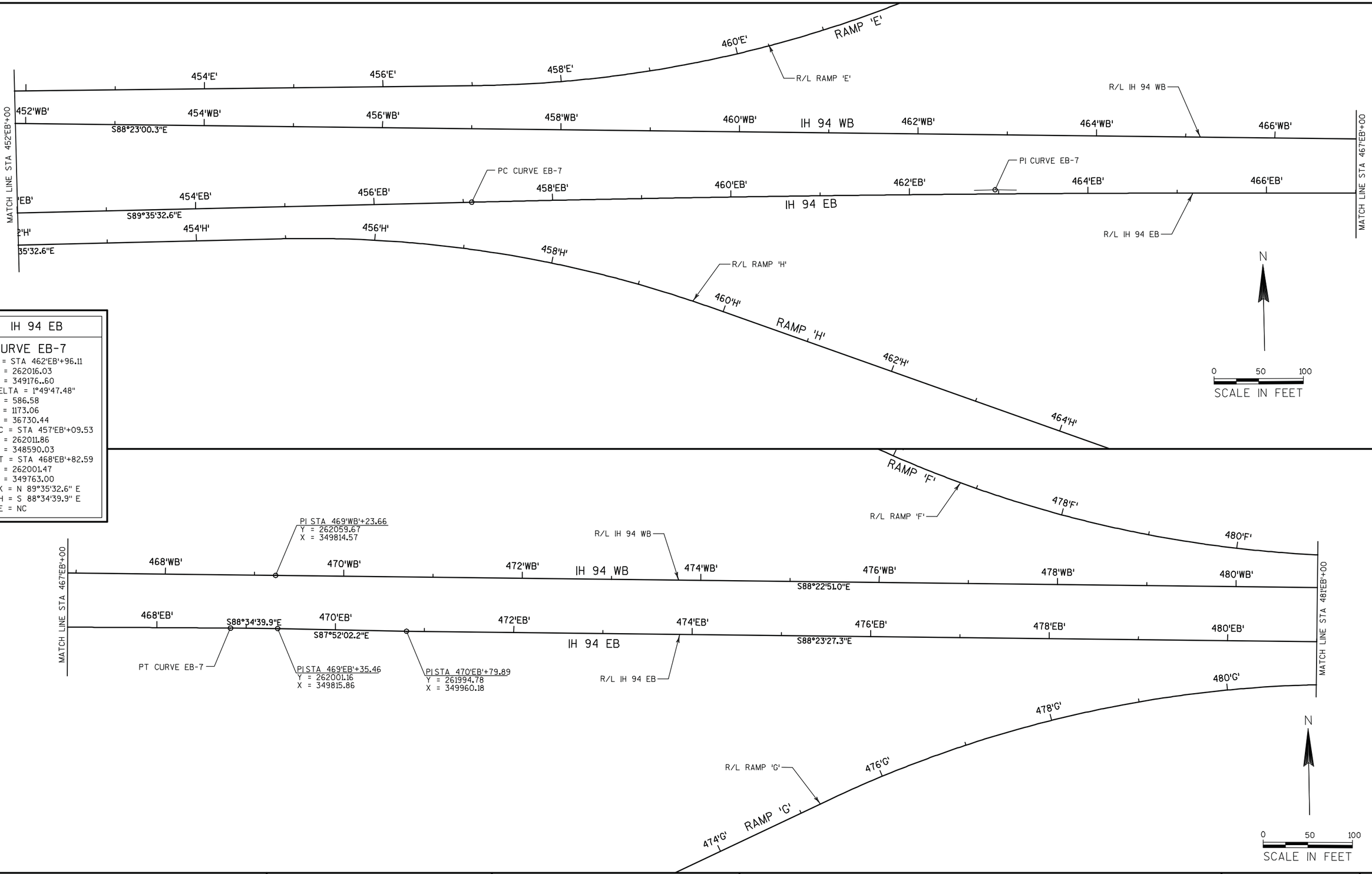
CURVE WB-6

PI = STA 422'WB'+09.16
Y = 262192.73
X = 345099.71
DELTA = 6°02'07.74"
T = 1208.21
L = 2414.19
R = 22918.31
PC = STA 410'WB'+00.95
Y = 262099.64
X = 343895.09
PT = STA 434'WB'+15.14
Y = 262158.65
X = 346307.44
BK = N 85°34'52.0" E
AH = S 88°23'00.3" E
SE = NC



PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	ALIGNMENT PLANS	SHEET 338	E

2



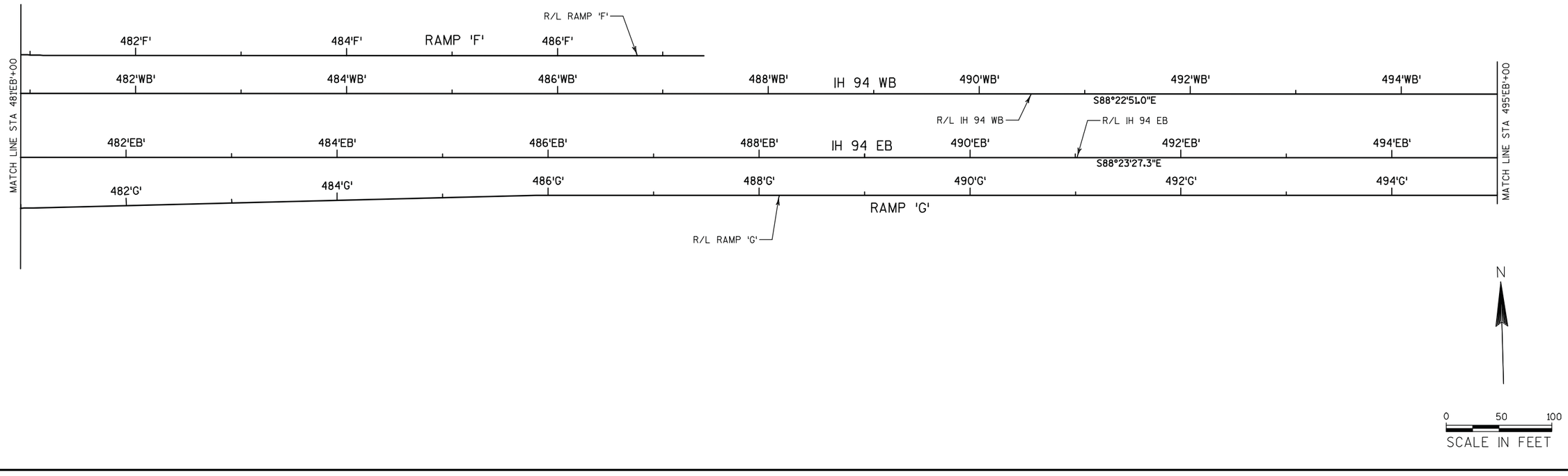
IH 94 EB

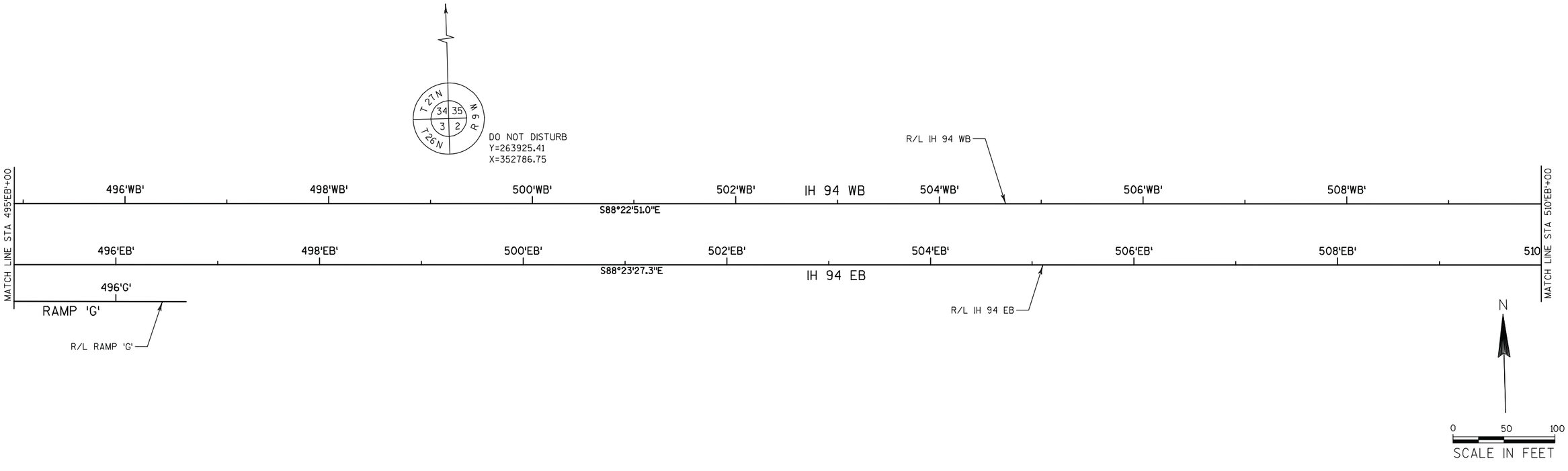
CURVE EB-7

PI = STA 462'EB'+96.11
Y = 262016.03
X = 349176..60
DELTA = 1°49'47.48"
T = 586.58
L = 1173.06
R = 36730.44
PC = STA 457'EB'+09.53
Y = 262011.86
X = 348590.03
PT = STA 468'EB'+82.59
Y = 262001.47
X = 349763.00
BK = N 89°35'32.6" E
AH = S 88°34'39.9" E
SE = NC

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	ALIGNMENT PLANS	SHEET 339	E

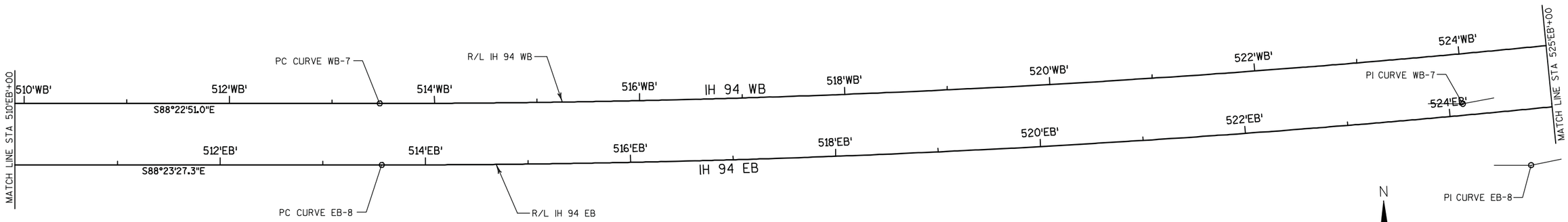
2





PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	ALIGNMENT PLANS	SHEET 340	E

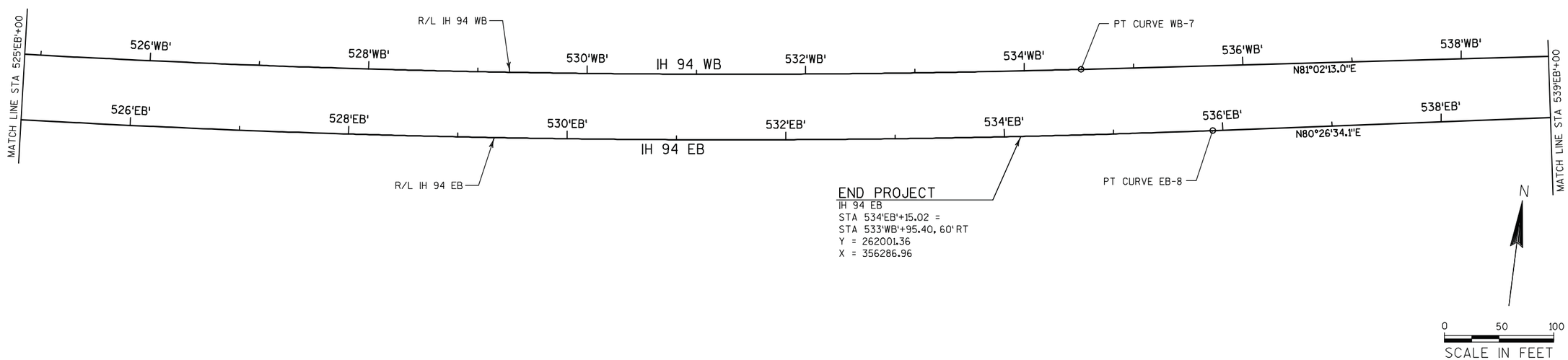
2



IH 94 EB	IH 94 WB
CURVE EB-8	CURVE WB-7
PI = STA 524'EB'+77.64	PI = STA 524'WB'+02.27
Y = 261843.21	Y = 261904.87
X = 355355.81	X = 355290.98
DELTA = 11°09'58.62"	DELTA = 10°34'55.94"
T = 1120.18	T = 1055.68
L = 2233.26	L = 2105.36
R = 11459.16	R = 11399.16
PC = STA 513'EB'+57.47	PC = STA 513'WB'+46.58
Y = 261874.67	Y = 261934.70
X = 354236.07	X = 354235.72
PT = STA 535'EB'+90.72	PT = STA 534'WB'+51.94
Y = 262029.20	Y = 262069.34
X = 356460.44	X = 356333.78
BK = S 88°23'27.3" E	BK = S 88°22'51.0" E
AH = N 80°26'34.1" E	AH = N 81°02'13.0" E
SE = RC	SE = 2.00%

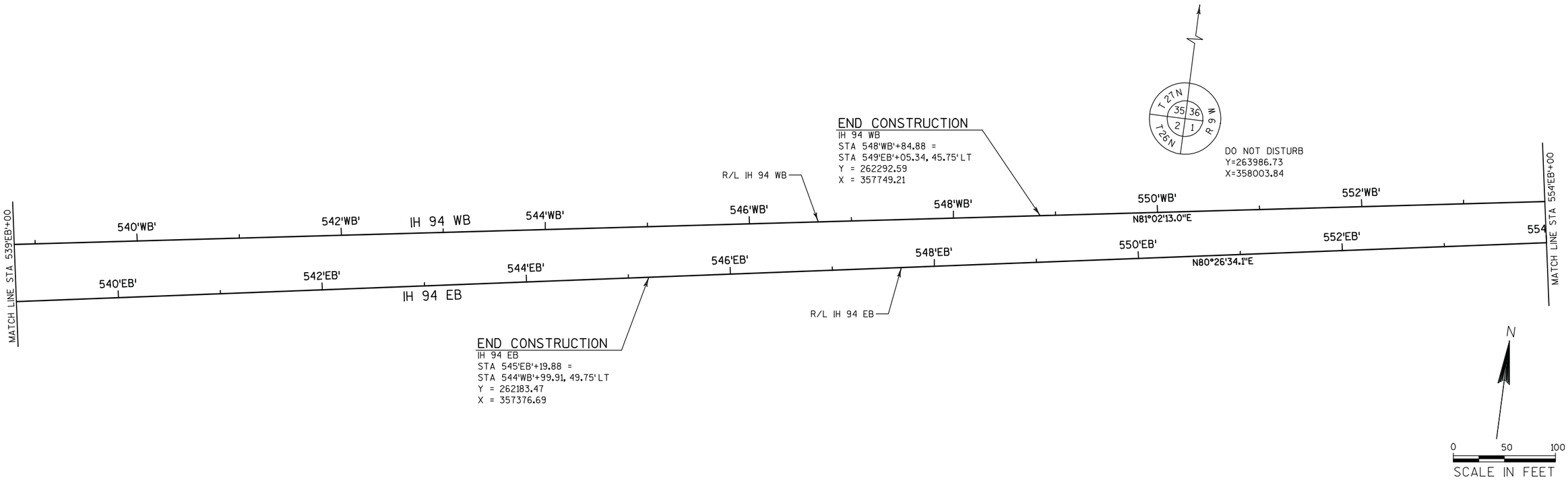
SUPERELEVATION

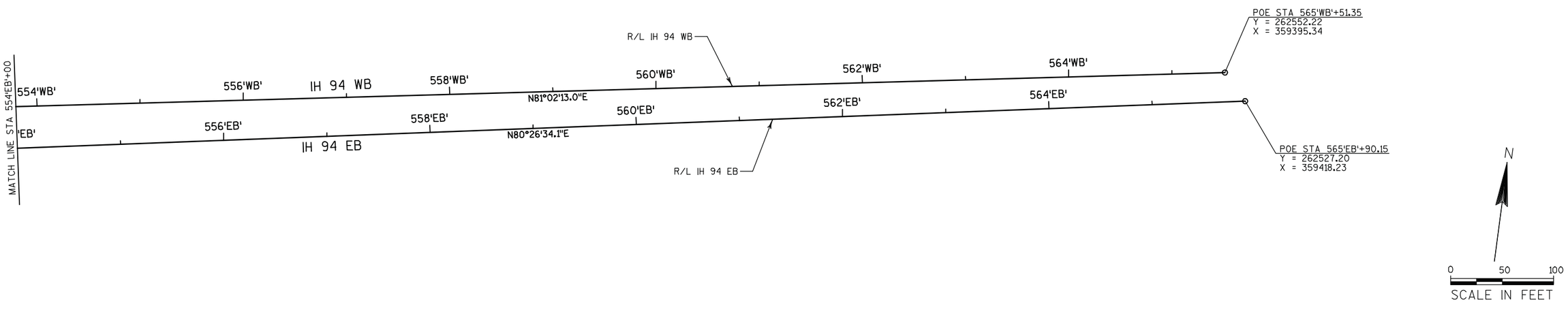
CURVE EB-8			CURVE WB-7		
	STA	SE		STA	SE
BT	511'EB'+75	N.C.	BT	512'WB'+00	N.C.
FS	513'EB'+75	R.C.	FS	513'WB'+75	2.00%
FS	535'EB'+50	R.C.	FS	534'WB'+25	2.00%
ET	537'EB'+50	N.C.	ET	536'WB'+00	N.C.



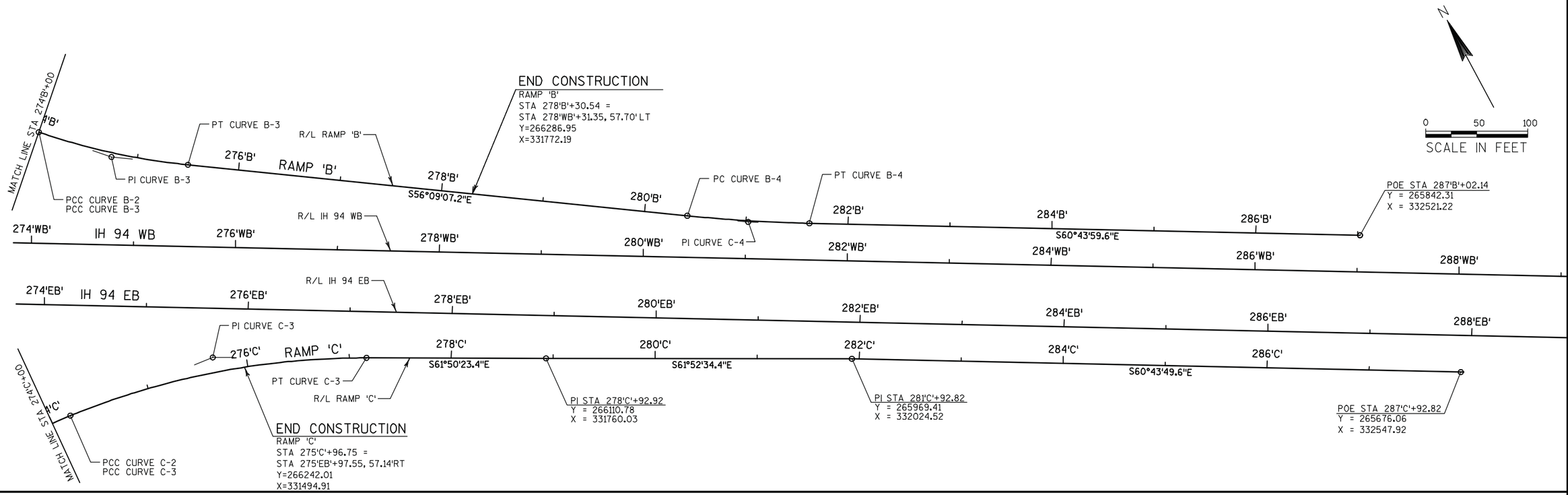
PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	ALIGNMENT PLANS	SHEET 341	E

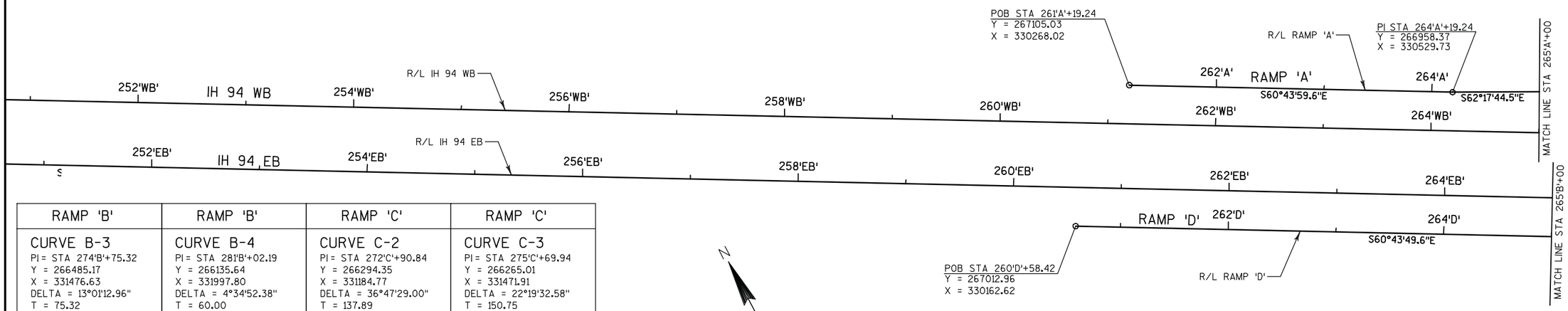
2





PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	ALIGNMENT PLANS	SHEET 342	E





RAMP 'B'	RAMP 'B'	RAMP 'C'	RAMP 'C'
CURVE B-3	CURVE B-4	CURVE C-2	CURVE C-3
PI= STA 274'B'+75.32	PI= STA 281'B'+02.19	PI= STA 272'C'+90.84	PI= STA 275'C'+69.94
Y = 266485.17	Y = 266135.64	Y = 266294.35	Y = 266265.01
X = 331476.63	X = 331997.80	X = 331184.77	X = 331471.91
DELTA = 13°01'12.96"	DELTA = 4°34'52.38"	DELTA = 36°47'29.00"	DELTA = 22°19'32.58"
T = 75.32	T = 60.00	T = 137.89	T = 150.75
L = 149.98	L = 119.94	L = 266.25	L = 297.67
R = 660.00	R = 1500.00	R = 414.63	R = 763.94
PCC = STA 274'B'+00.00	PC = STA 280'B'+42.19	PC = STA 271'C'+52.95	PCC = STA 274'C'+19.19
Y = 266540.13	Y = 266169.06	Y = 266223.42	Y = 266280.33
X = 331425.14	X = 331947.97	X = 331066.51	X = 331321.95
PT = STA 275'B'+49.98	PT = STA 281'B'+62.13	PCC = STA 274'C'+19.19	PT = STA 277'C'+16.87
Y = 266443.22	Y = 266106.31	Y = 266280.33	Y = 266193.86
X = 331539.18	X = 332050.14	X = 331321.95	X = 331604.82
BK = S 43°07'54.3" E	BK = S 56°09'07.2" E	BK = N 59°02'35.1" E	BK = 84°09'56.00" E
AH = S 56°09'07.2" E	AH = S 60°43'59.6" E	AH = S 84°09'56.0" E	AH = S 61°50'23.4" E
SE = 6.00%	SE = 4.50%	SE = 7.80%	SE = 8.00%

SUPERELEVATION CURVE B-3			SUPERELEVATION CURVE B-4			SUPERELEVATION CURVE C-2			SUPERELEVATION CURVE C-3		
	STA	SE		STA	SE		STA	SE		STA	SE
FS	275'B'+00	6.00%	BT	280'B'+25	N.C.	FS	272'C'+00	7.80%	FS	274'C'+25	8.00%
ET	276'B'+00	N.C.	FS	280'B'+75	4.50%	FS	274'C'+00	7.80%	FS	276'C'+50	8.00%
			FS	281'B'+25	4.50%				ET	278'C'+00	N.C.
			ET	281'B'+75	N.C.						

* 8% MAX SHOULDER ROLLOVER.
SHOULDER TRANSITION BEGIN AT 4% SE.

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	ALIGNMENT PLANS	SHEET 343	E

RAMP 'A'	RAMP 'A'	RAMP 'A'
CURVE A-1	CURVE A-2	CURVE A-3
PI= STA 267'A'+69.58	PI= STA 269'A'+27.48	PI= STA 277'A'+79.23
Y = 266795.49	Y = 266735.38	Y = 266861.93
X = 330839.90	X = 330985.98	X = 331833.64
DELTA = 5°20'18.81"	DELTA = 30°51'23.47"	DELTA = 145°55'56.75"
T = 48.95	T = 109.01	T = 748.04
L = 97.83	L = 212.73	L = 583.72
R = 1050.00	R = 395.00	R = 229.18
PC = STA 267'A'+20.63	PCC = STA 268'A'+18.46	PCC = STA 270'A'+31.19
Y = 266818.25	Y = 266776.86	Y = 266751.48
X = 330796.56	X = 330885.17	X = 331093.80
PCC = STA 268'A'+18.46	PCC = STA 270'A'+31.19	PT = STA 276'A'+14.91
Y = 266776.86	Y = 266751.48	Y = 267184.87
X = 330885.17	X = 331093.80	X = 331158.90
BK = S 62°17'44.5" E	BK = S 67°38'03.3" E	BK = N 81°30'33.2" E
AH = S 67°38'03.3" E	AH = N 81°30'33.2" E	AH = N 64°25'23.6" W
SE = 7.60%	SE = 7.80%	SE = 7.20%

RAMP 'D'	RAMP 'D'	RAMP 'D'
CURVE D-1	CURVE D-2	CURVE D-3
PI= STA 267'D'+64.47	PI= STA 269'D'+46.10	PI= STA 278'D'+18.05
Y = 266667.76	Y = 266552.19	Y = 265809.72
X = 330778.54	X = 330919.37	X = 331379.20
DELTA = 10°06'05.08"	DELTA = 18°51'30.40"	DELTA = 147°18'11.72"
T = 106.06	T = 76.12	T = 797.21
L = 211.56	L = 150.87	L = 601.21
R = 1200.00	R = 458.37	R = 233.85
PC = STA 266'D'+58.42	PCC = STA 268'D'+69.98	PCC = STA 270'D'+20.85
Y = 266719.61	Y = 266600.48	Y = 266487.48
X = 330686.02	X = 330860.52	X = 330959.45
PCC = STA 268'D'+69.98	PCC = STA 270'D'+20.85	PT = STA 276'D'+22.06
Y = 266600.48	Y = 266487.48	Y = 266153.34
X = 330860.52	X = 330959.45	X = 330659.85
BK = S 60°43'49.6" E	BK = S 50°37'44.5" E	BK = S 31°46'14.1" E
AH = S 50°37'44.5" E	AH = S 31°46'14.1" E	AH = N 64°28'02.4" W
SE = 7.00%	SE = 7.40%	SE = 7.00%

RAMP 'B'	RAMP 'B'
CURVE B-1	CURVE B-2
PI= STA 268'B'+15.96	PI= STA 272'B'+51.06
Y = 267143.31	Y = 266663.36
X = 331349.87	X = 331309.70
DELTA = 69°00'17.37"	DELTA = 47°54'58.72"
T = 187.77	T = 168.85
L = 329.01	L = 317.79
R = 273.18	R = 380.00
PC = STA 266'B'+28.20	PC = STA 270'B'+82.21
Y = 267224.97	Y = 266831.62
X = 331180.79	X = 331323.78
PT = STA 269'B'+57.20	PCC = STA 274'B'+00.00
Y = 266956.19	Y = 266540.13
X = 331334.21	X = 331425.14
BK = S 64°13'12.9" E	BK = S 4°47'04.5" W
AH = S 4°47'04.5" W	AH = S 43°07'54.3" W
SE = 7.80%	SE = 6.00%

RAMP 'C'	RAMP 'C'
CURVE C-1	CURVE C-2
PI= STA 268'C'+35.24	PI= STA 272'C'+90.84
Y = 266046.63	Y = 266294.35
X = 330771.79	X = 331184.77
DELTA = 57°27'47.51"	DELTA = 36°47'29.00"
T = 152.32	T = 137.89
L = 278.67	L = 266.25
R = 277.86	R = 414.63
PC = STA 266'C'+82.91	PC = STA 271'C'+52.95
Y = 266114.61	Y = 266223.42
X = 330635.48	X = 331066.51
PT = STA 269'C'+61.59	PCC = STA 274'C'+19.19
Y = 266124.98	Y = 266280.33
X = 330902.41	X = 331321.95
BK = S 63°29'37.4" E	BK = N 59°02'35.1" E
AH = N 59°02'35.1" E	AH = S 84°09'56.0" E
SE = 7.80%	SE = 7.80%

SUPERELEVATION		
CURVE A-1/A-2		
	STA	SE
BT	267'A'+25	1.00%
FS	269'A'+00	7.80%
FS	270'A'+25	7.80%
SUPERELEVATION		
CURVE A-3		
	STA	SE
FS	270'A'+50	7.20%
FS	275'A'+75	7.20%
ET	276'A'+75	N.C.

* 8% MAX SHOULDER ROLLOVER. SHOULDER TRANSITION BEGINS AT 4% SE.

SUPERELEVATION			SUPERELEVATION		
CURVE B-1			CURVE B-2		
	STA	SE		STA	SE
BT	264'B'+75	N.C.	BT	270'B'+50	N.C.
FS	266'B'+75	7.80%	FS	271'B'+25	6.00%
FS	269'B'+00	7.80%	FS	274'B'+00	6.00%
ET	270'B'+50	N.C.			

* 8% MAX SHOULDER ROLLOVER. SHOULDER TRANSITION BEGINS AT 4% SE.

SUPERELEVATION		
CURVE C-1		
	STA	SE
BT	265'C'+50	N.C.
FS	267'C'+25	7.80%
FS	269'C'+25	7.80%
SUPERELEVATION		
CURVE C-2		
	STA	SE
FS	272'C'+00	7.80%
FS	274'C'+00	7.80%

* 8% MAX SHOULDER ROLLOVER. SHOULDER TRANSITION BEGINS AT 4% SE.

SUPERELEVATION		
CURVE D-1/D-2		
	STA	SE
BT	266'D'+00	1.00%
FS	269'D'+00	7.40%
FS	270'D'+25	7.40%
SUPERELEVATION		
CURVE D-3		
	STA	SE
FS	270'D'+50	7.00%
FS	275'D'+75	7.00%
ET	276'D'+50	N.C.

* 8% MAX SHOULDER ROLLOVER. SHOULDER TRANSITION BEGINS AT 4% SE.

MATCH LINE STA 274'B'+00

MATCH LINE STA 274'C'+00

IH 94 WB

IH 94 EB

RAMP 'A'

RAMP 'B' 272'B'

RAMP 'C'

RAMP 'D'

PC CURVE B-2

PT CURVE B-1

PC CURVE B-1

PT CURVE A-3

PC CURVE C-2

PC CURVE C-1

PT CURVE C-1

PT CURVE D-3

PI CURVE B-1

PI CURVE B-2

PI CURVE A-1

PI CURVE A-2

PI CURVE A-3

PI CURVE C-1

PI CURVE C-2

PI CURVE D-1

PI CURVE D-2

PI CURVE D-3

PCC CURVE A-1
PCC CURVE A-2

PCC CURVE A-2
PCC CURVE A-3

PCC CURVE B-2
PCC CURVE B-3

PCC CURVE C-1
PCC CURVE C-2

PCC CURVE D-1
PCC CURVE D-2

PCC CURVE D-2
PCC CURVE D-3

R/L IH 94 WB

R/L IH 94 EB

R/L RAMP 'A'

R/L RAMP 'B'

R/L RAMP 'C'

R/L RAMP 'D'

R/L STH 37 NB

R/L STH 37 SB

STH 37 NB

STH 37 SB

S64°13'12.9"E

N64°25'23.6"W

S4°47'04.5"W

N59°02'35.1"E

S62°17'44.5"E

S60°43'49.6"E

N64°28'02.4"W

S63°29'37.4"E

BEGIN CONSTRUCTION
RAMP 'A'
STA 268'A'+52.31 =
STA 268'WB'+51.43, 56.93' LT
Y=266765.34
X=330916.98

BEGIN CONSTRUCTION
RAMP 'B'
STA 263'B'+78.96 =
STA 36'NB'+31.10
Y = 267333.37
X = 330956.36

END CONSTRUCTION
RAMP 'A'
STA 278'A'+61.73 =
STA 35'NB'+84.60
Y = 267291.43
X = 330936.27

BEGIN CONSTRUCTION
RAMP 'D'
STA 268'D'+82.45 =
STA 268'EB'+81.13, 56.95' RT
Y=266592.44
X=330870.05

END CONSTRUCTION
RAMP 'D'
STA 278'D'+64.44 =
STA 24'NB'+38.51
Y = 266257.81
X = 330441.14

BEGIN CONSTRUCTION
RAMP 'C'
STA 264'C'+45.75 =
STA 23'NB'+97.09
Y = 266220.45
X = 330423.24

STA 266'A'+42.15 =
STA 31'NB'+00.39 =
STA 266'WB'+42.07, 42.08' LT
Y = 266854.73
X = 330727.08

STA 266'A'+02.13 =
STA 31'SB'+05.07 =
STA 266'WB'+02.06, 40.99' LT
Y = 266873.34
X = 330691.65

STA 266'D'+37.03 =
STA 29'NB'+62.15 =
STA 266'EB'+37.03, 36.00' RT
Y = 266730.07
X = 330667.37

STA 265'D'+96.95 =
STA 29'SB'+67.93 =
STA 265'EB'+96.95, 36.00' RT
Y = 266749.66
X = 330632.40

MATCH LINE STA 265'A'+00

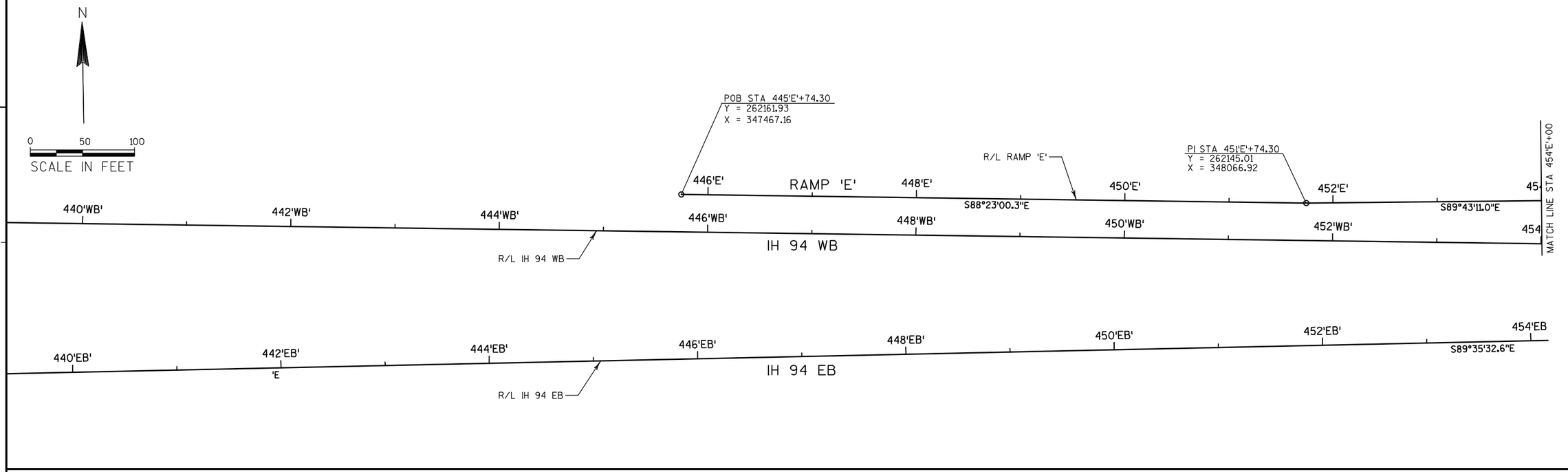
MATCH LINE STA 265'D'+00

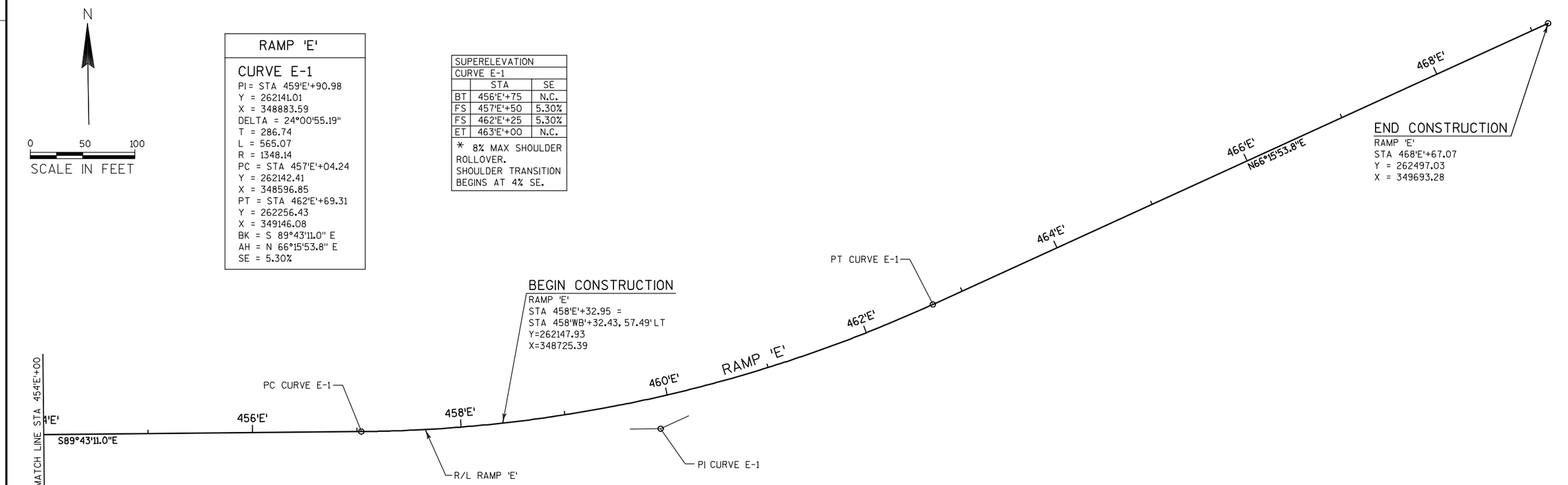
0 50 100
SCALE IN FEET

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	ALIGNMENT PLANS	SHEET 344	E

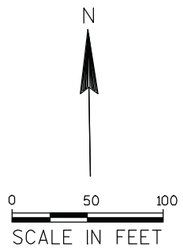
FILE NAME : CH_0803_027214_ad.dgn PLOT DATE : 05-MAR-2013 PLOT BY : mmorgan PLOT NAME : PLOT SCALE : 100:1

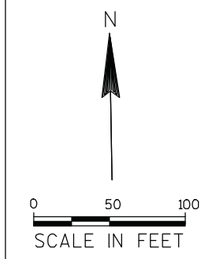
WISDOT/CADDS SHEET 42

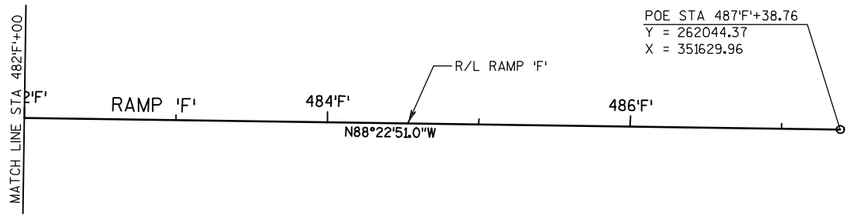




PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	ALIGNMENT PLANS	SHEET 345 E







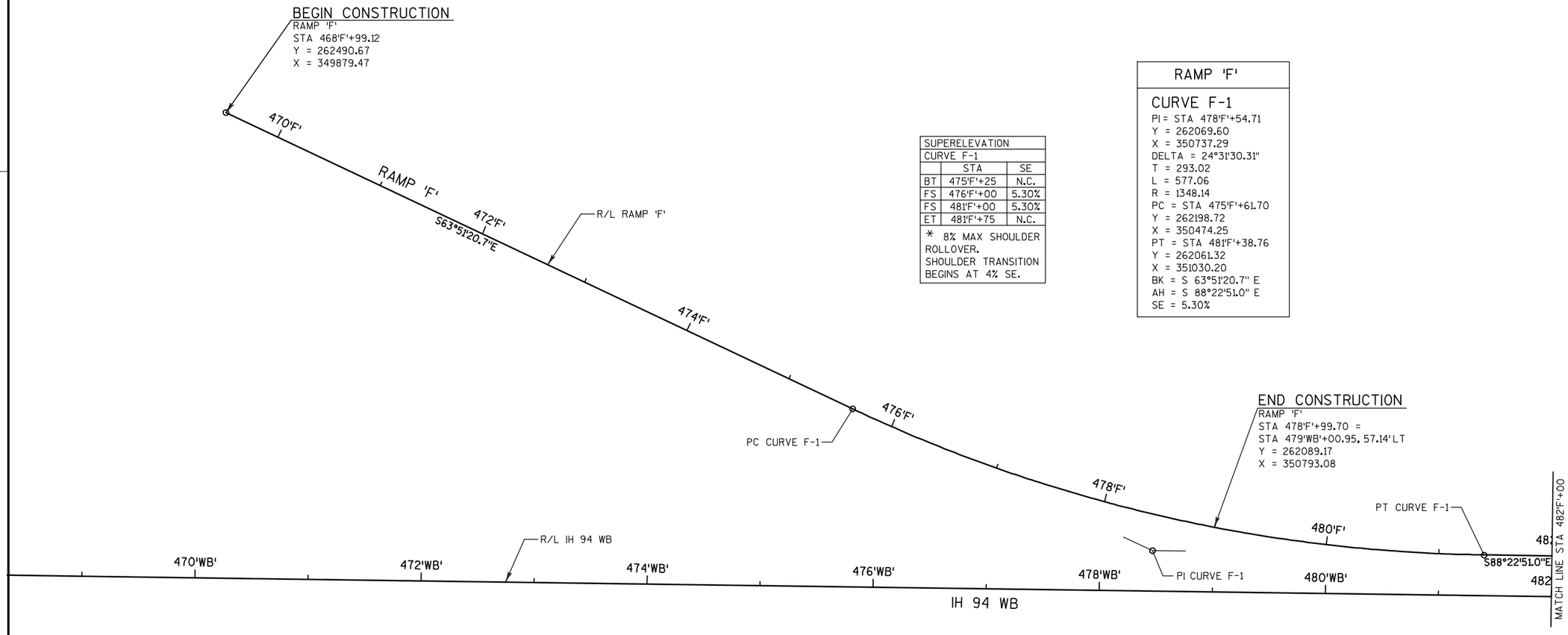
BEGIN CONSTRUCTION
RAMP 'F'
STA 468'F'+99.12
Y = 262490.67
X = 349879.47

SUPERELEVATION		
CURVE F-1		
	STA	SE
BT	475'F'+25	N.C.
FS	476'F'+00	5.30%
FS	481'F'+00	5.30%
ET	481'F'+75	N.C.

* 8% MAX SHOULDER ROLLOVER.
SHOULDER TRANSITION BEGINS AT 4% SE.

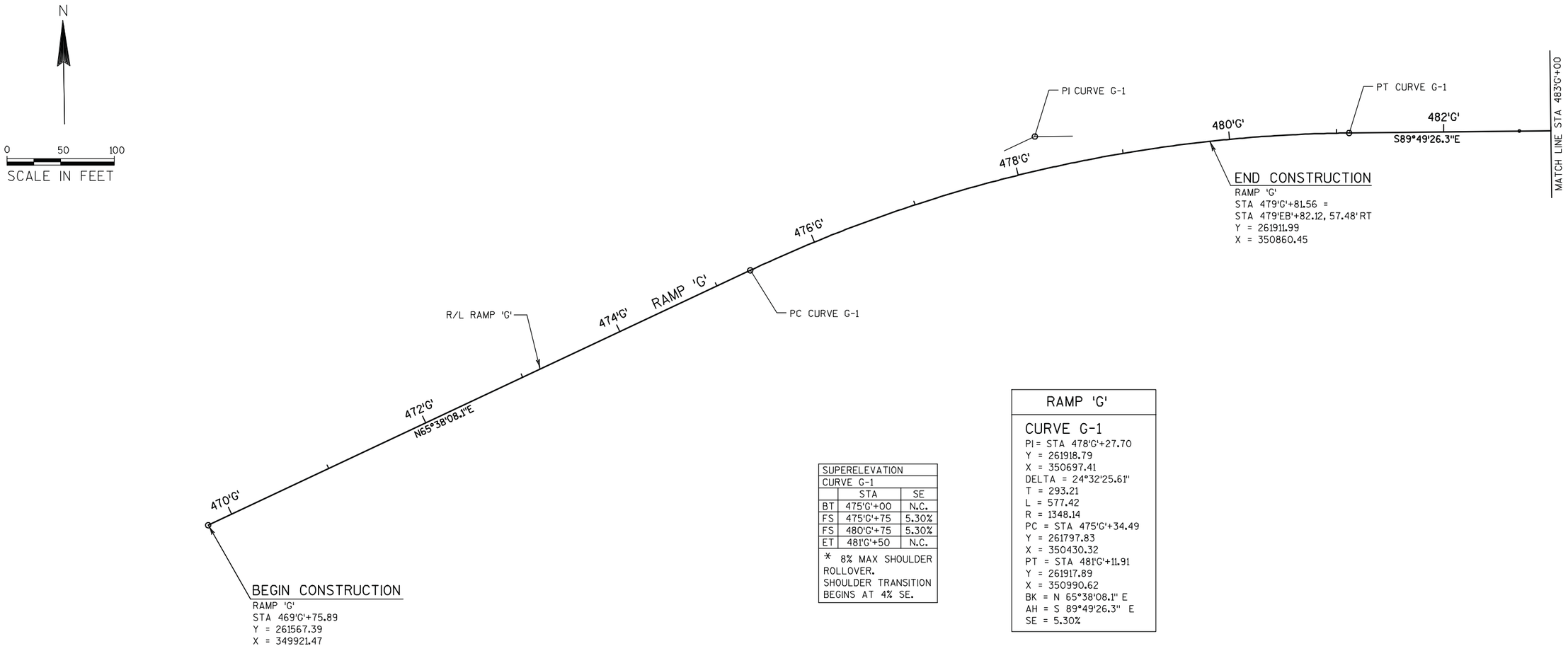
RAMP 'F'

CURVE F-1
PI= STA 478'F'+54.71
Y = 262069.60
X = 350737.29
DELTA = 24°31'30.31"
T = 293.02
L = 577.06
R = 1348.14
PC = STA 475'F'+61.70
Y = 262198.72
X = 350474.25
PT = STA 481'F'+38.76
Y = 262061.32
X = 351030.20
BK = S 63°51'20.7" E
AH = S 88°22'51.0" E
SE = 5.30%



PROJECT NO:1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	ALIGNMENT PLANS	SHEET 346	E

2

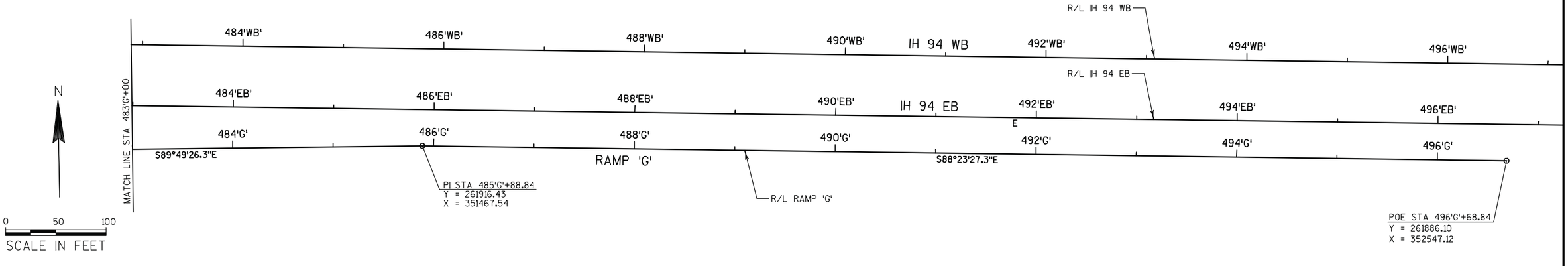


SUPERELEVATION		
CURVE G-1		
	STA	SE
BT	475'G'+00	N.C.
FS	475'G'+75	5.30%
FS	480'G'+75	5.30%
ET	481'G'+50	N.C.

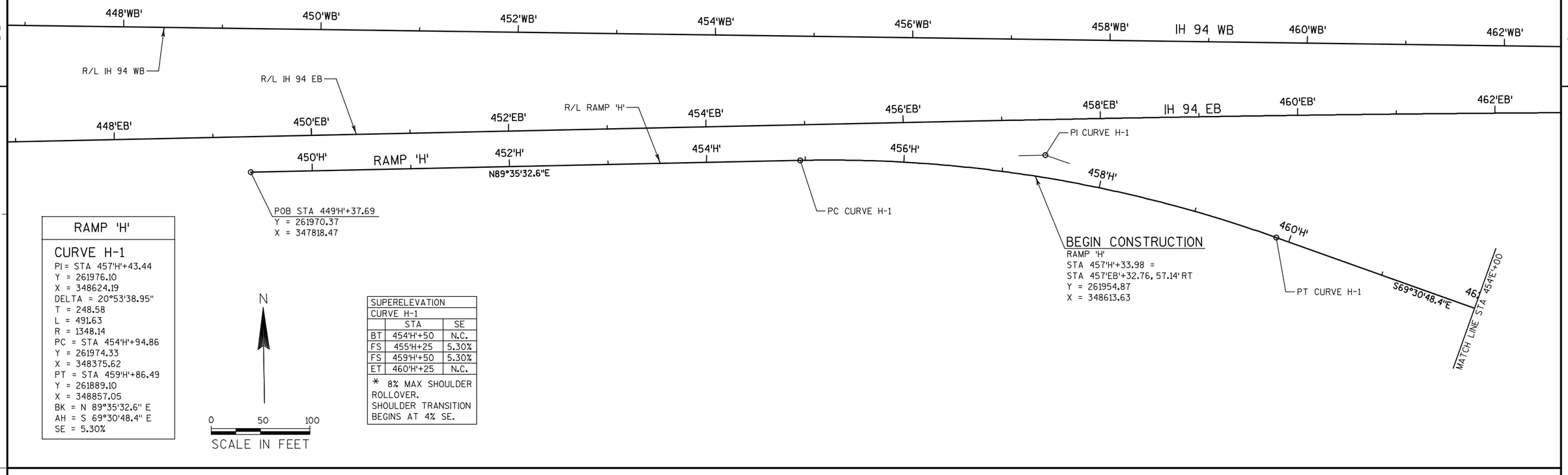
* 8% MAX SHOULDER ROLLOVER.
SHOULDER TRANSITION BEGINS AT 4% SE.

RAMP 'G'

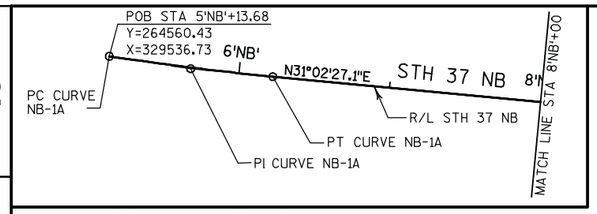
CURVE G-1
PI = STA 478'G'+27.70
Y = 261918.79
X = 350697.41
DELTA = 24°32'25.61"
T = 293.21
L = 577.42
R = 1348.14
PC = STA 475'G'+34.49
Y = 261797.83
X = 350430.32
PT = STA 481'G'+11.91
Y = 261917.89
X = 350990.62
BK = N 65°38'08.1" E
AH = S 89°49'26.3" E
SE = 5.30%

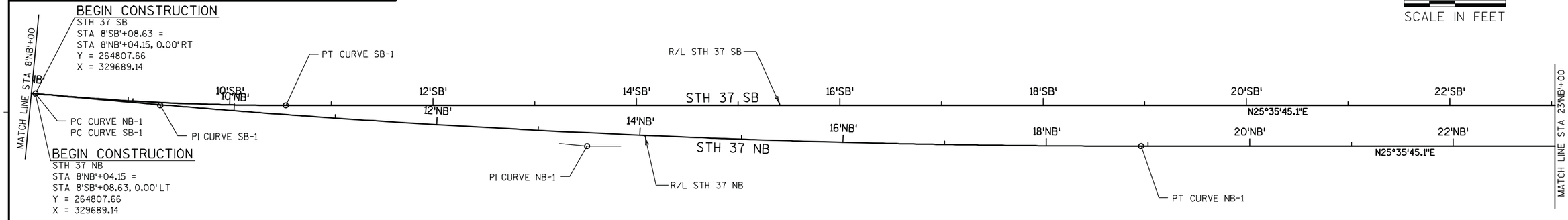


PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	ALIGNMENT PLANS	SHEET 347	E



PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	ALIGNMENT PLANS	SHEET 348	E

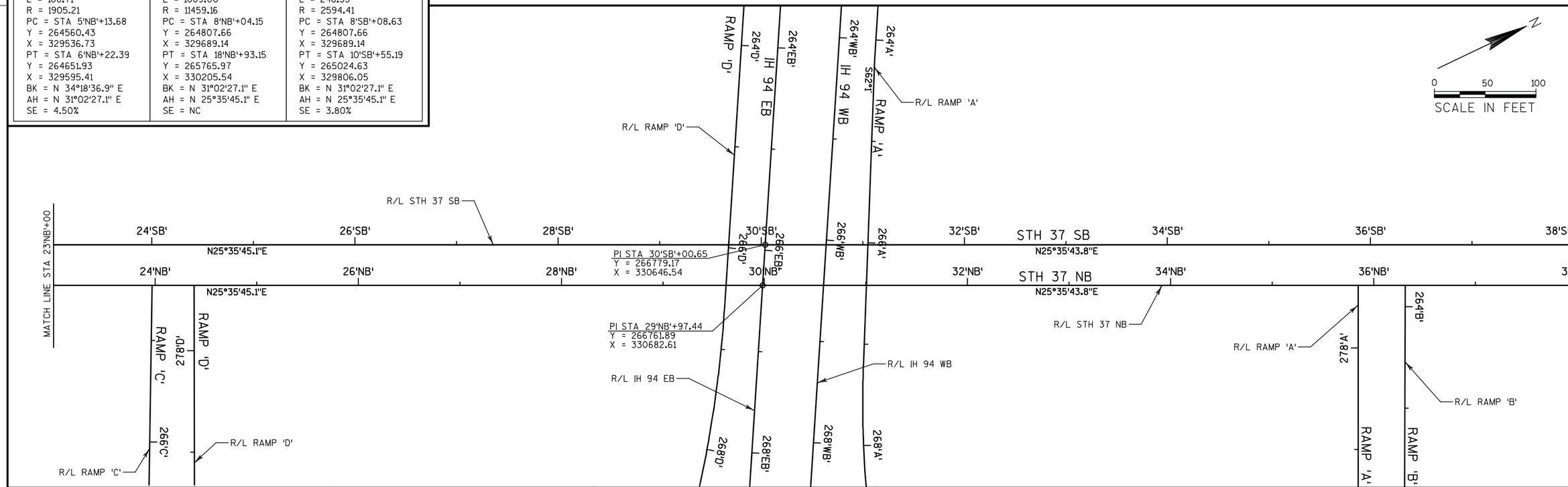




SUPERELEVATION CURVE NB-1A			SUPERELEVATION CURVE SB-1		
	STA	SE		STA	SE
BT	3'NB'+25	N.C.	BT	8'SB'+00	2.00%
FS	5'NB'+75	4.50%	FS	8'SB'+50	3.80%
FS	5'NB'+75	4.50%	FS	10'SB'+00	3.80%
ET	8'NB'+00	N.C.	ET	12'SB'+25	N.C.

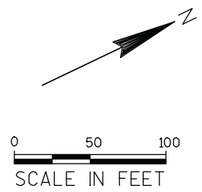
* 8% MAX SHOULDER ROLLOVER.
SHOULDER TRANSITION BEGINS AT 4% SE.

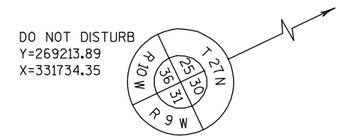
STH 37 NB	STH 37 NB	STH 37 SB
CURVE NB-1A	CURVE NB-1	CURVE SB-1
PI = STA 5'NB'+68.05	PI = STA 13'NB'+49.06	PI = STA 9'SB'+32.00
Y = 264605.34	Y = 265274.54	Y = 264913.36
X = 329567.38	X = 329970.12	X = 329752.76
DELTA = 3°16'09.80"	DELTA = 5°26'41.99"	DELTA = 5°26'41.99"
T = 54.37	T = 544.91	T = 123.37
L = 108.71	L = 1089.00	L = 246.55
R = 1905.21	R = 11459.16	R = 2594.41
PC = STA 5'NB'+13.68	PC = STA 8'NB'+04.15	PC = STA 8'SB'+08.63
Y = 264560.43	Y = 264807.66	Y = 264807.66
X = 329536.73	X = 329689.14	X = 329689.14
PT = STA 6'NB'+22.39	PT = STA 18'NB'+93.15	PT = STA 10'SB'+55.19
Y = 264651.93	Y = 265765.97	Y = 265024.63
X = 329595.41	X = 330205.54	X = 329806.05
BK = N 34°18'36.9" E	BK = N 31°02'27.1" E	BK = N 31°02'27.1" E
AH = N 31°02'27.1" E	AH = N 25°35'45.1" E	AH = N 25°35'45.1" E
SE = 4.50%	SE = NC	SE = 3.80%

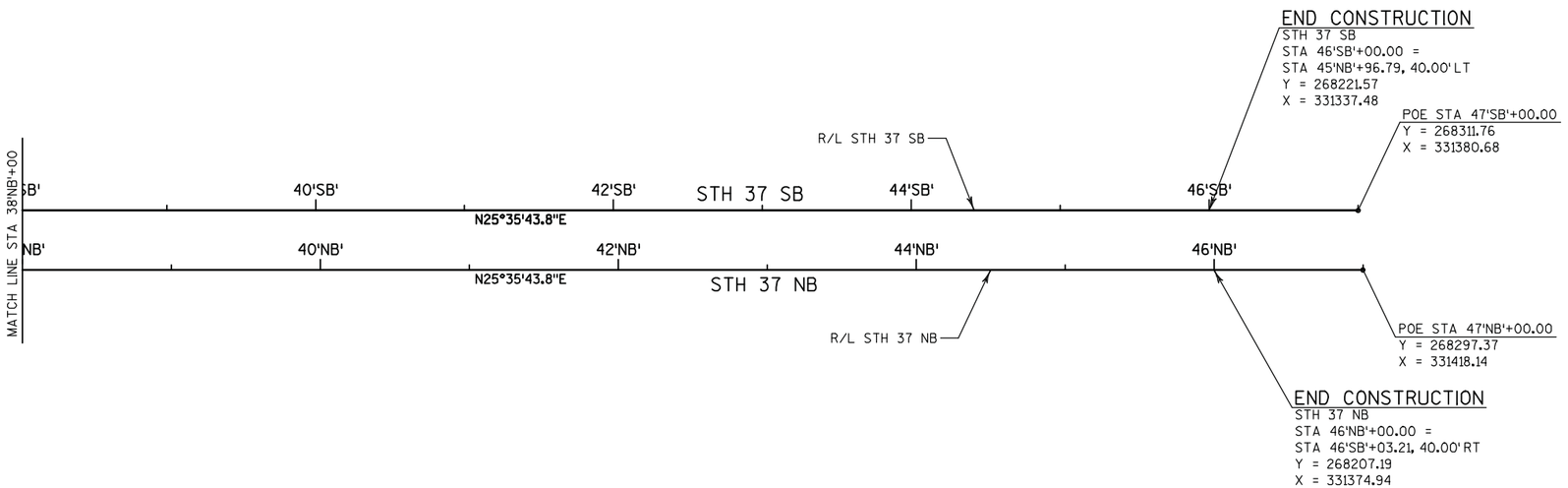


PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	ALIGNMENT PLANS	SHEET 349	E

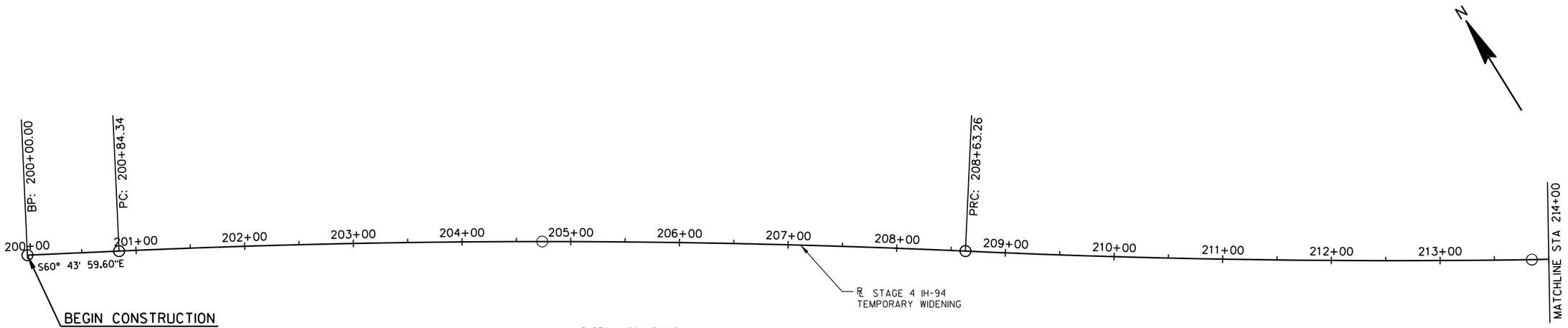
2


N
0
50
100
SCALE IN FEET


DO NOT DISTURB
Y=269213.89
X=331734.35
T 27 N
R 10 W
R 9 W
25
30
31
36


END CONSTRUCTION
STH 37 SB
STA 46'SB'+00.00 =
STA 45'NB'+96.79, 40.00' LT
Y = 268221.57
X = 331337.48
POE STA 47'SB'+00.00
Y = 268311.76
X = 331380.68
R/L STH 37 SB
MATCH LINE STA 38'NB'+00
40'SB'
42'SB'
44'SB'
46'SB'
N25°35'43.8"E
STH 37 SB
40'NB'
42'NB'
44'NB'
46'NB'
N25°35'43.8"E
STH 37 NB
R/L STH 37 NB
POE STA 47'NB'+00.00
Y = 268297.37
X = 331418.14
END CONSTRUCTION
STH 37 NB
STA 46'NB'+00.00 =
STA 46'SB'+03.21, 40.00' RT
Y = 268207.19
X = 331374.94

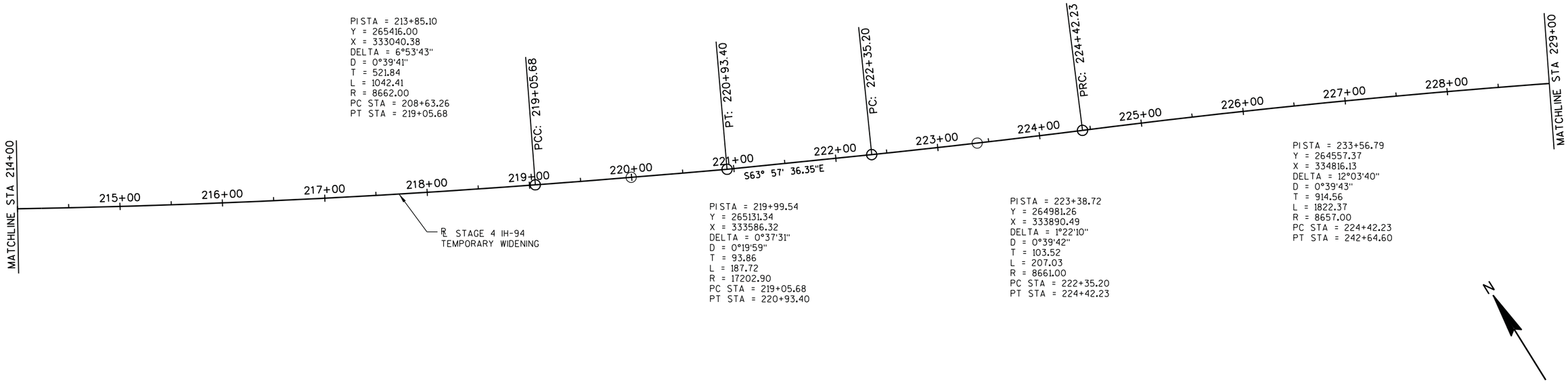
2



BEGIN CONSTRUCTION
STA 200+00.00
Y=266163.201
X=331874.983

PISTA = 204+74.07
Y = 265931.44
X = 332288.54
DELTA = 5°10'00"
D = 0°39'48"
T = 389.72
L = 778.92
R = 8638.00
PC STA = 200+84.34
PT STA = 208+63.26

PISTA = 213+85.10
Y = 265416.00
X = 333040.38
DELTA = 6°53'43"
D = 0°39'41"
T = 521.84
L = 1042.41
R = 8662.00
PC STA = 208+63.26
PT STA = 219+05.68



PISTA = 213+85.10
Y = 265416.00
X = 333040.38
DELTA = 6°53'43"
D = 0°39'41"
T = 521.84
L = 1042.41
R = 8662.00
PC STA = 208+63.26
PT STA = 219+05.68

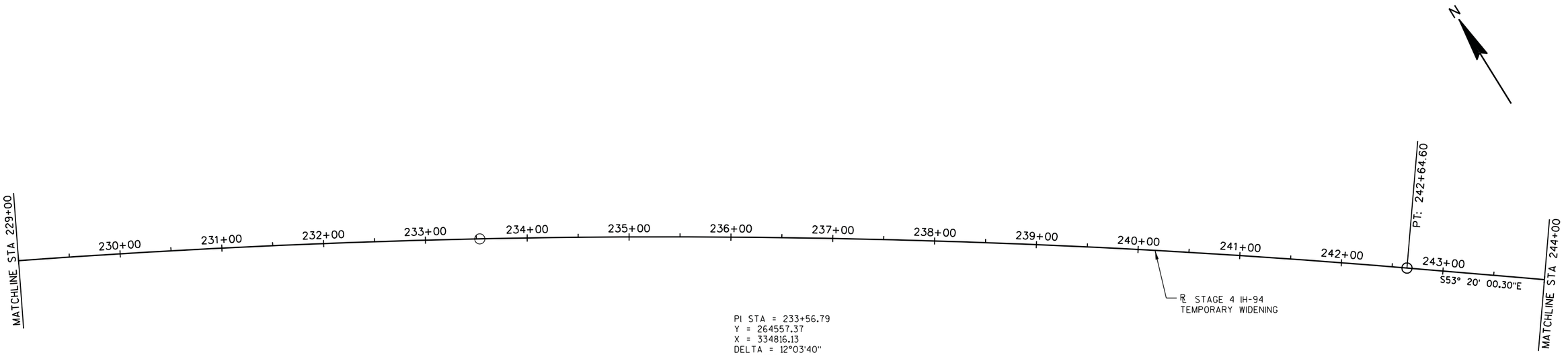
PISTA = 219+99.54
Y = 265131.34
X = 333586.32
DELTA = 0°37'31"
D = 0°19'59"
T = 93.86
L = 187.72
R = 17202.90
PC STA = 219+05.68
PT STA = 220+93.40

PISTA = 223+38.72
Y = 264981.26
X = 333890.49
DELTA = 1°22'10"
D = 0°39'42"
T = 103.52
L = 207.03
R = 8661.00
PC STA = 222+35.20
PT STA = 224+42.23

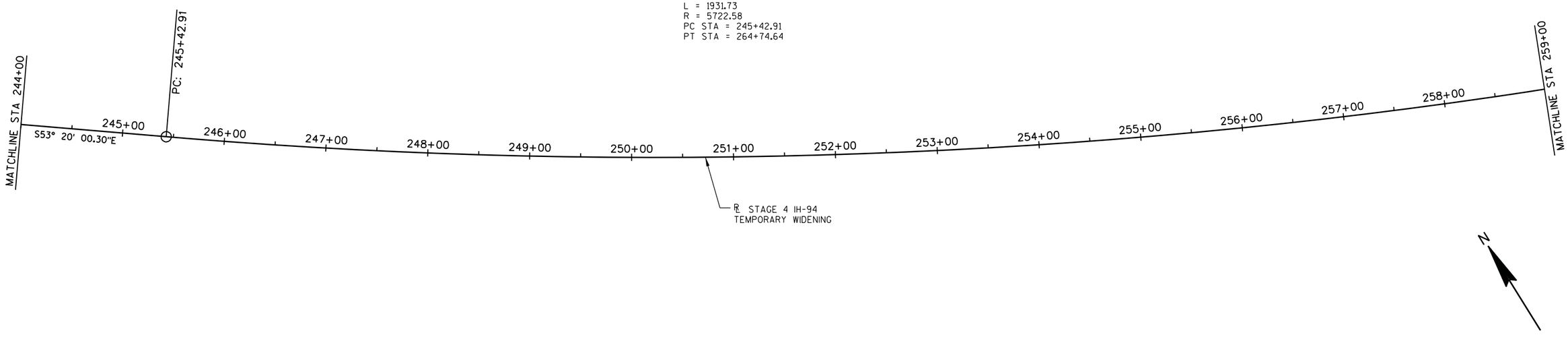
PISTA = 233+56.79
Y = 264557.37
X = 334816.13
DELTA = 12°03'40"
D = 0°39'43"
T = 914.56
L = 1822.37
R = 8657.00
PC STA = 224+42.23
PT STA = 242+64.60

PROJECT NO:1022-08-73	HWY: IH 94	COUNTY:EAU CLAIRE	TEMPORARY ALIGNMENT PLAN	SHEET 351	E

2



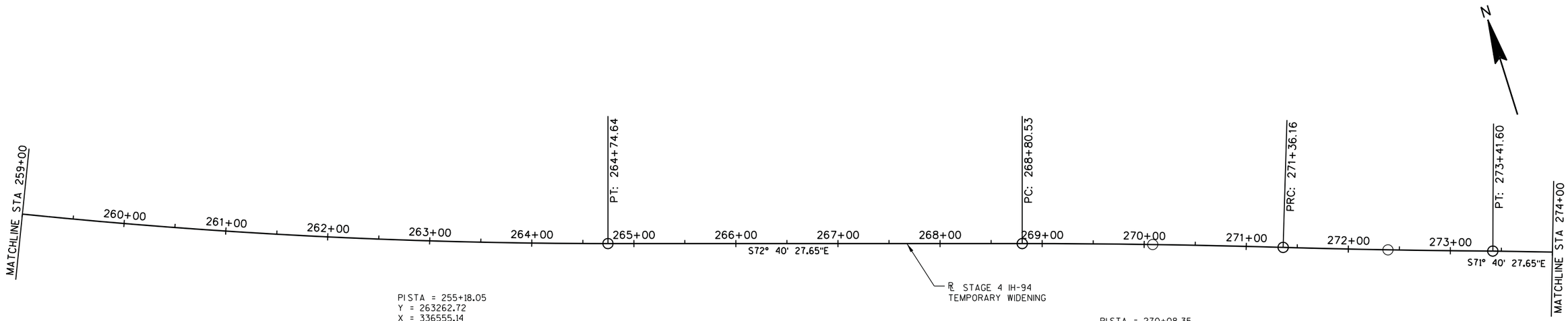
PI STA = 233+56.79
Y = 264557.37
X = 334816.13
DELTA = 12°03'40"
D = 0°39'43"
T = 914.56
L = 1822.37
R = 8657.00
PC STA = 224+42.23
PT STA = 242+64.60

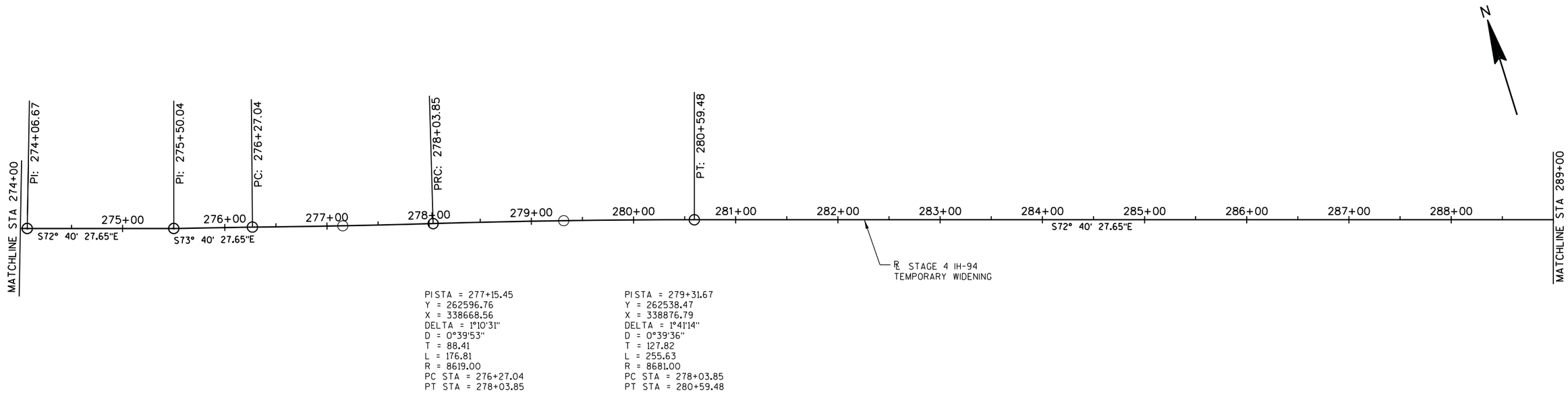


PI STA = 255+18.05
Y = 263262.72
X = 336555.14
DELTA = 19°20'27"
D = 1°00'04"
T = 975.14
L = 1931.73
R = 5722.58
PC STA = 245+42.91
PT STA = 264+74.64

PROJECT NO:1022-08-73	HWY:IH 94	COUNTY:EAU CLAIRE	TEMPORARY ALIGNMENT PLAN	SHEET 352	E

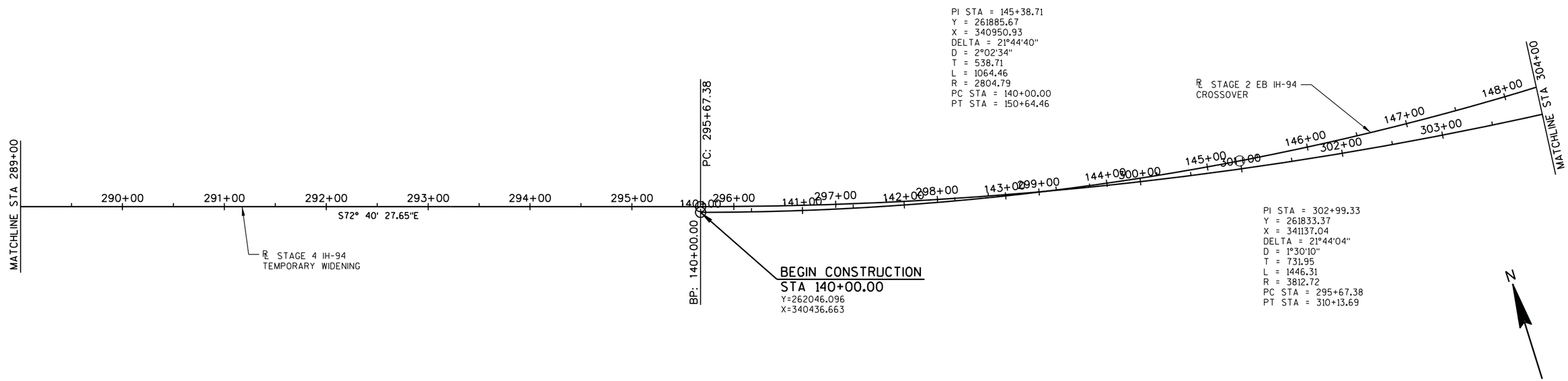
2

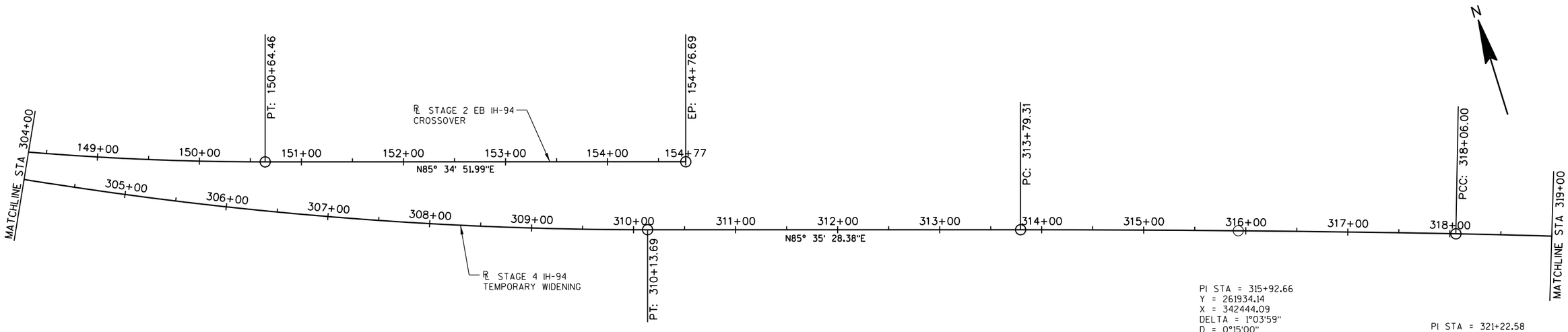




PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	TEMPORARY ALIGNMENT PLAN	SHEET 353	E

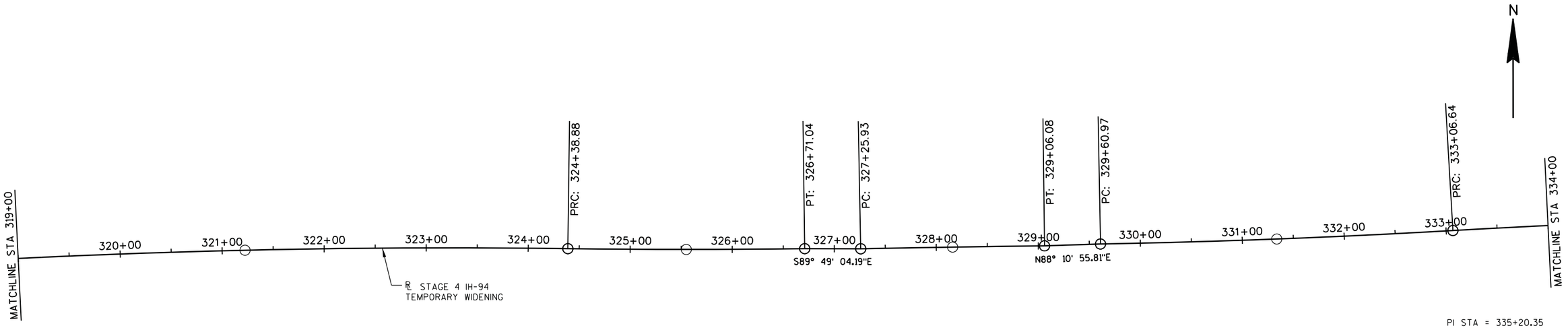
2





PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	TEMPORARY ALIGNMENT PLAN	SHEET 354	E

2



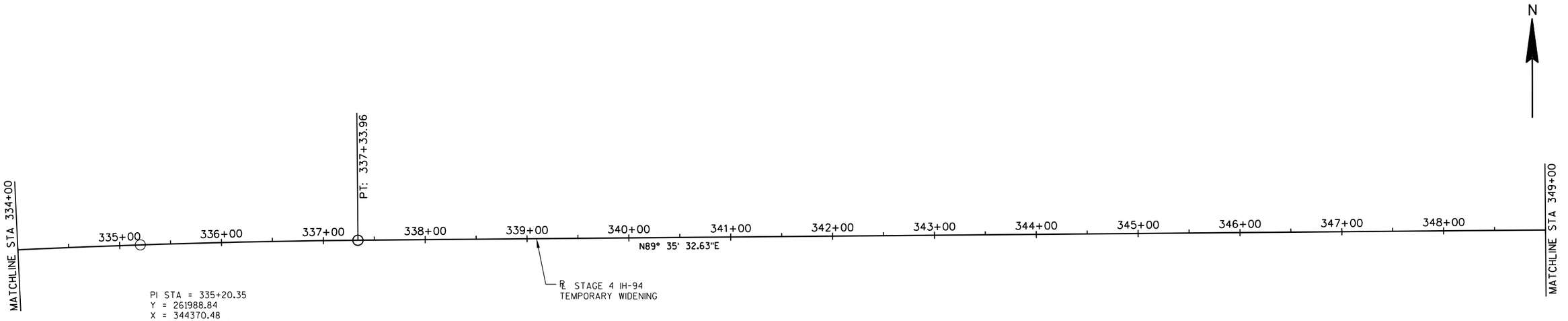
PI STA = 321+22.58
Y = 261965.04
X = 342973.12
DELTA = 4°11'52"
D = 0°39'48"
T = 316.58
L = 632.88
R = 8638.00
PC STA = 318+06.00
PT STA = 324+38.88

PI STA = 325+54.97
Y = 261958.58
X = 343405.74
DELTA = 1°32'08"
D = 0°39'41"
T = 116.09
L = 232.16
R = 8662.00
PC STA = 324+38.88
PT STA = 326+71.04

PI STA = 328+16.01
Y = 261961.42
X = 343666.77
DELTA = 0°27'02"
D = 0°15'01"
T = 90.07
L = 180.15
R = 22903.31
PC STA = 327+25.93
PT STA = 329+06.08

PI STA = 331+33.83
Y = 261966.98
X = 343984.54
DELTA = 2°17'11"
D = 0°39'41"
T = 172.86
L = 345.67
R = 8662.00
PC STA = 329+60.97
PT STA = 333+06.64

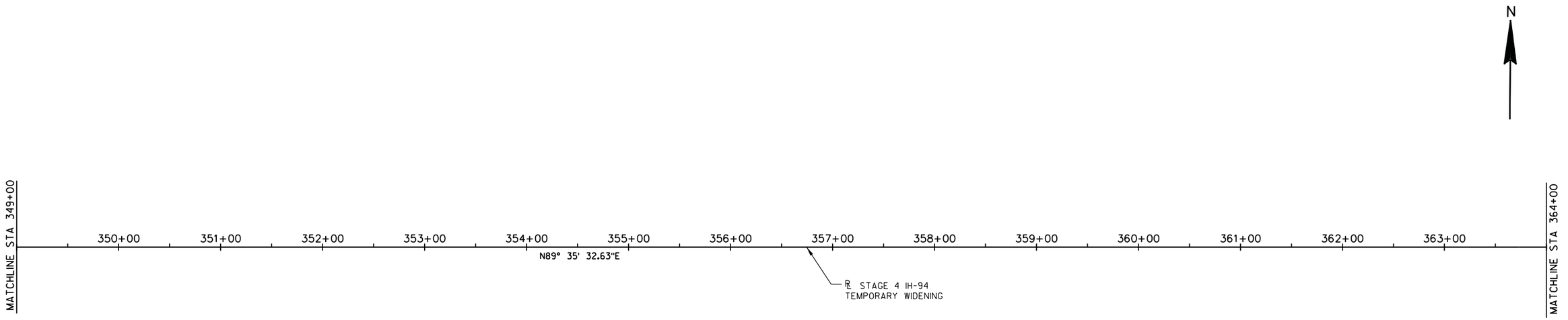
PI STA = 335+20.35
Y = 261988.84
X = 344370.48
DELTA = 2°50'04"
D = 0°39'48"
T = 213.70
L = 427.32
R = 8638.00
PC STA = 333+06.64
PT STA = 337+33.96

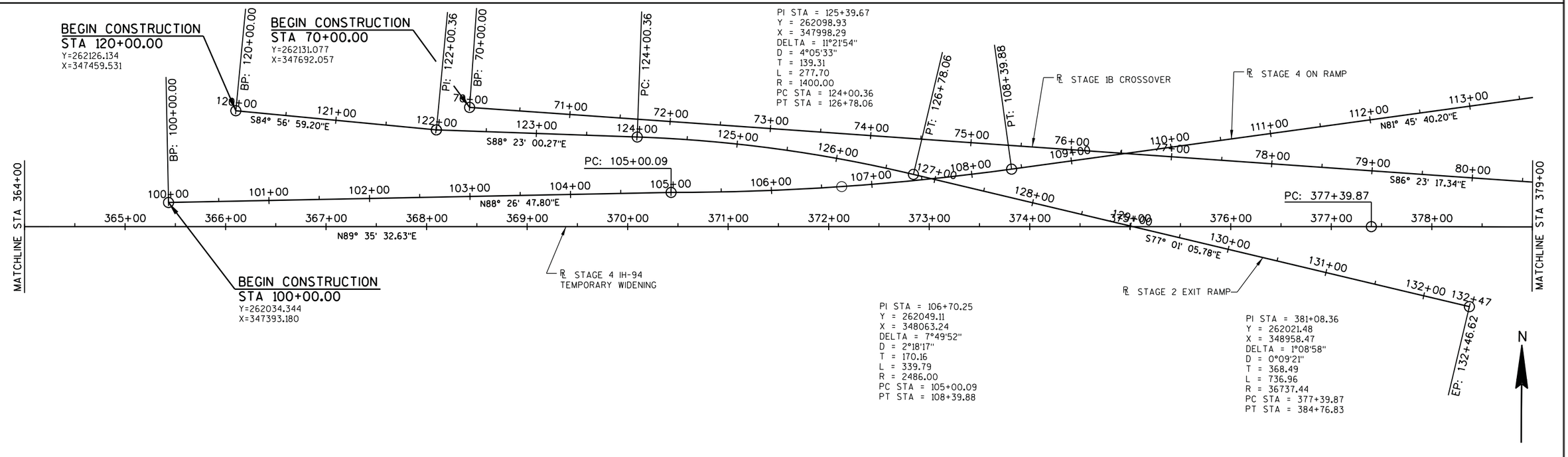


PI STA = 335+20.35
Y = 261988.84
X = 344370.48
DELTA = 2°50'04"
D = 0°39'48"
T = 213.70
L = 427.32
R = 8638.00
PC STA = 333+06.64
PT STA = 337+33.96

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	TEMPORARY ALIGNMENT PLAN	SHEET 355	E

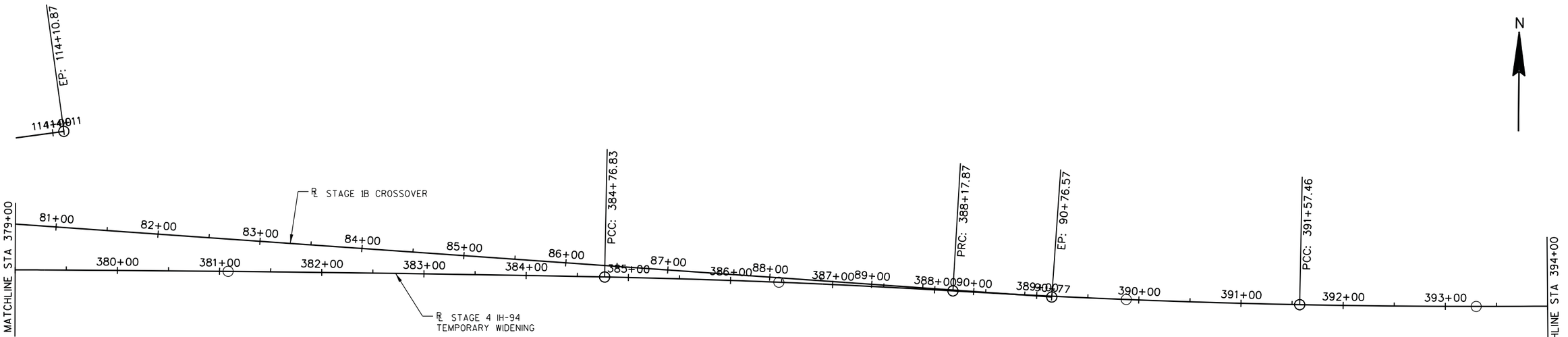
2





PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	TEMPORARY ALIGNMENT PLAN	SHEET 356	E

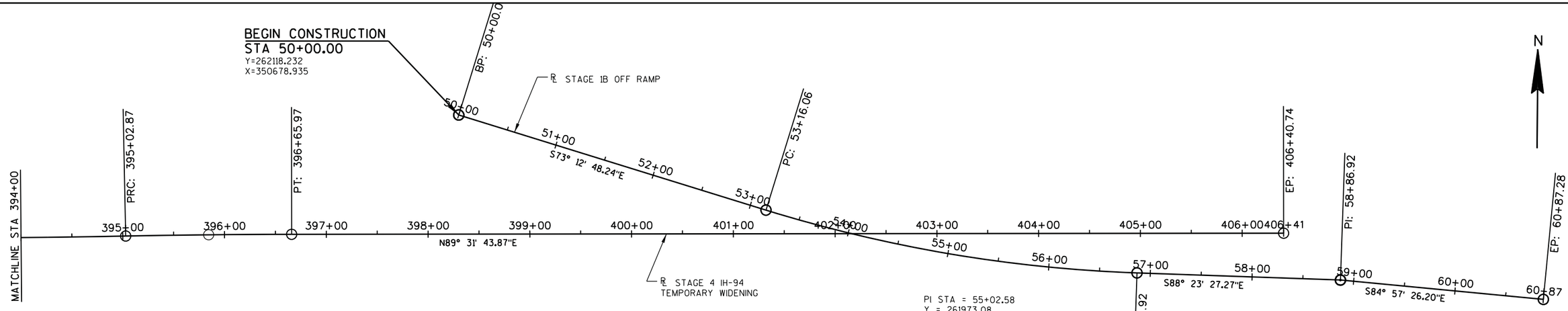
2



PI STA = 381+08.36
Y = 262021.48
X = 348958.47
DELTA = 1°08'58"
D = 0°09'21"
T = 368.49
L = 736.96
R = 36737.44
PC STA = 377+39.87
PT STA = 384+76.83

PI STA = 386+47.37
Y = 262014.50
X = 349497.46
DELTA = 2°15'15"
D = 0°39'39"
T = 170.54
L = 341.04
R = 8669.00
PC STA = 384+76.83
PT STA = 388+17.87

PI STA = 389+87.69
Y = 261996.71
X = 349837.35
DELTA = 2°15'16"
D = 0°39'50"
T = 169.82
L = 339.59
R = 8631.00
PC STA = 388+17.87
PT STA = 391+57.46



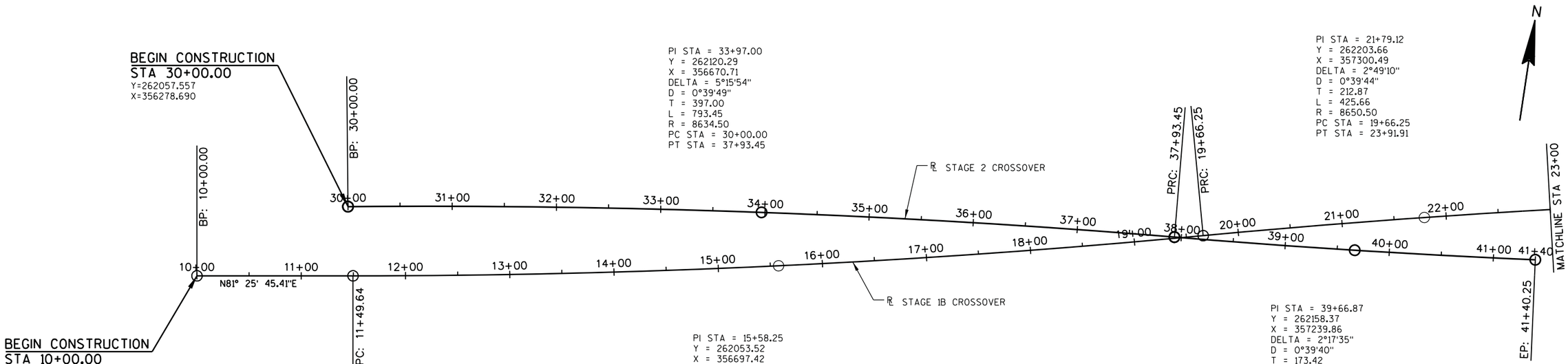
PI STA = 393+30.19
Y = 261992.28
X = 350179.87
DELTA = 2°17'35"
D = 0°39'50"
T = 172.73
L = 345.41
R = 8631.00
PC STA = 391+57.46
PT STA = 395+02.87

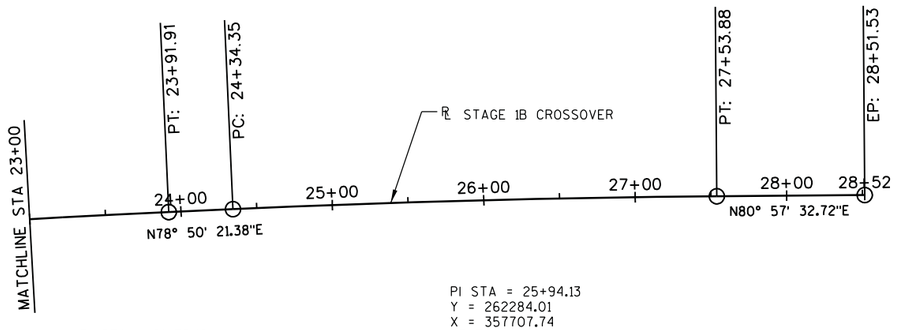
PI STA = 395+84.42
Y = 261999.16
X = 350434.05
DELTA = 1°04'49"
D = 0°39'45"
T = 81.55
L = 163.10
R = 8650.00
PC STA = 395+02.87
PT STA = 396+65.97

PI STA = 55+02.58
Y = 261973.08
X = 351160.10
DELTA = 15°10'39"
D = 4°05'33"
T = 186.52
L = 370.86
R = 1400.00
PC STA = 53+16.06
PT STA = 56+86.92

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	TEMPORARY ALIGNMENT PLAN	SHEET 357	E

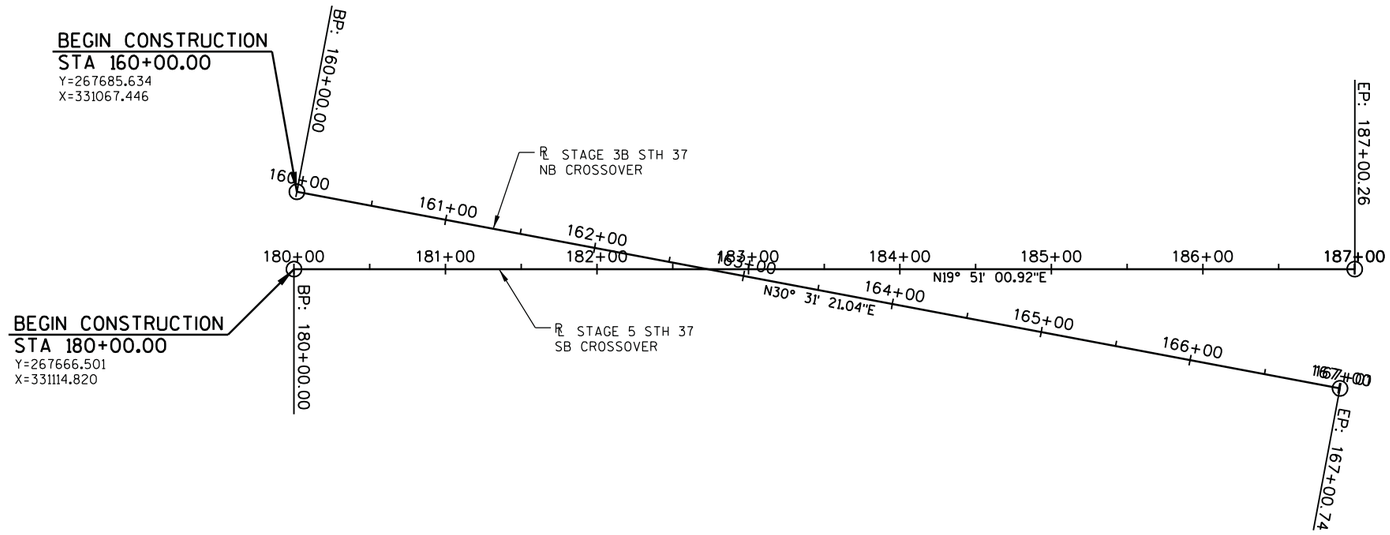
2





PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	TEMPORARY ALIGNMENT PLAN	SHEET 358	E

2



PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	TEMPORARY ALIGNMENT PLAN	SHEET 359	E

DATE 02APR13 E S T I M A T E O F Q U A N T I T I E S

LINE 1022-08-73

NUMBER	ITEM	ITEM DESCRIPTION	UNIT	TOTAL	QUANTITY
0010	201.0105	CLEARING	STA	33.000	33.000
0020	201.0120	CLEARING	ID	94.000	94.000
0030	201.0205	GRUBBING	STA	33.000	33.000
0040	201.0220	GRUBBING	ID	94.000	94.000
0050	203.0100	REMOVING SMALL PIPE CULVERTS	EACH	13.000	13.000
0060	203.0200	REMOVING OLD STRUCTURE (STATION) 01. STA 266'EB'+14.27	LS	1.000	1.000
0070	203.0200	REMOVING OLD STRUCTURE (STATION) 02. STA 354'EB'+39.81	LS	1.000	1.000
0080	203.0600.S	REMOVING OLD STRUCTURE OVER WATERWAY WITH MINIMAL DEBRIS (STATION) 03. STA 407+45.00	LS	1.000	1.000
0090	203.0600.S	REMOVING OLD STRUCTURE OVER WATERWAY WITH MINIMAL DEBRIS (STATION) 04. STA 407+83.00	LS	1.000	1.000
0100	204.0100	REMOVING PAVEMENT	SY	179,289.000	179,289.000
0110	204.0110	REMOVING ASPHALTIC SURFACE	SY	12,229.000	12,229.000
0120	204.0115	REMOVING ASPHALTIC SURFACE BUTT JOINTS	SY	328.000	328.000
0130	204.0120	REMOVING ASPHALTIC SURFACE MILLING	SY	11,349.000	11,349.000
0140	204.0170	REMOVING FENCE	LF	60,154.000	60,154.000
0150	204.0180	REMOVING DELINEATORS AND MARKERS	EACH	494.000	494.000
0160	204.0185	REMOVING MASONRY	CY	141.000	141.000
0170	204.0195	REMOVING CONCRETE BASES	EACH	42.000	42.000
0180	204.0210	REMOVING MANHOLES	EACH	4.000	4.000
0190	204.0220	REMOVING INLETS	EACH	28.000	28.000
0200	204.0245	REMOVING STORM SEWER (SIZE) 01. 15-INCH	LF	15.000	15.000
0210	204.0245	REMOVING STORM SEWER (SIZE) 02. 18-INCH	LF	2,991.000	2,991.000
0220	204.0245	REMOVING STORM SEWER (SIZE) 03. 24-INCH	LF	210.000	210.000
0230	204.0245	REMOVING STORM SEWER (SIZE) 04. 30-INCH	LF	99.000	99.000
0240	204.0245	REMOVING STORM SEWER (SIZE) 05. 36-INCH	LF	73.000	73.000
0250	204.0270	ABANDONING CULVERT PIPES	EACH	1.000	1.000
0260	204.0280	SEALING PIPES	EACH	1.000	1.000
0270	204.9060.S	REMOVING (ITEM DESCRIPTION) 01. APRON ENDWALLS	EACH	17.000	17.000
0280	205.0100	EXCAVATION COMMON	CY	362,787.000	362,787.000
0290	205.3000.S	TEMPORARY EMERGENCY PULLOUTS	EACH	4.000	4.000
0300	206.1000	EXCAVATION FOR STRUCTURES BRIDGES (STRUCTURE) 01. B-18-25	LS	1.000	1.000
0310	206.1000	EXCAVATION FOR STRUCTURES BRIDGES (STRUCTURE) 02. B-18-26	LS	1.000	1.000
0320	206.1000	EXCAVATION FOR STRUCTURES BRIDGES (STRUCTURE) 03. B-18-29	LS	1.000	1.000
0330	206.1000	EXCAVATION FOR STRUCTURES BRIDGES (STRUCTURE) 04. B-18-227	LS	1.000	1.000
0340	206.1000	EXCAVATION FOR STRUCTURES BRIDGES (STRUCTURE) 05. B-18-228	LS	1.000	1.000
0350	206.6000.S	TEMPORARY SHORING	SF	1,200.000	1,200.000
0360	210.0100	BACKFILL STRUCTURE	CY	1,781.000	1,781.000
0370	211.0400	PREPARE FOUNDATION FOR ASPHALTIC SHOULDERS	STA	159.000	159.000
0380	213.0100	FINISHING ROADWAY (PROJECT) 01. ID 1022-08-73	EACH	1.000	1.000
0390	305.0110	BASE AGGREGATE DENSE 3/4-INCH	TON	30,894.000	30,894.000
0400	305.0120	BASE AGGREGATE DENSE 1 1/4-INCH	TON	278,271.000	278,271.000
0410	305.0125	BASE AGGREGATE DENSE 1 1/4-INCH	CY	156.000	156.000
0420	415.0210	CONCRETE PAVEMENT GAPS	EACH	5.000	5.000

3

DATE 02APR13 E S T I M A T E O F Q U A N T I T I E S

LINE NUMBER	ITEM	ITEM DESCRIPTION	UNIT	TOTAL	1022-08-73 QUANTITY
0430	415.0410	CONCRETE PAVEMENT APPROACH SLAB	SY	255.000	255.000
0440	416.0610	DRILLED TIE BARS	EACH	161.000	161.000
0450	416.1010	CONCRETE SURFACE DRAINS	CY	64.000	64.000
0460	416.1110	CONCRETE RUMBLE STRIPS SHOULDER	LF	51,664.000	51,664.000
0470	440.4410.S	INCENTIVE IRI RIDE	DOL	31,520.000	31,520.000
0480	455.0110	ASPHALTIC MATERIAL PG58-34	TON	1,001.000	1,001.000
0490	455.0125	ASPHALTIC MATERIAL PG70-28	TON	106.000	106.000
0500	455.0145	ASPHALTIC MATERIAL PG64-34P	TON	106.000	106.000
0510	455.0605	TACK COAT	GAL	2,373.000	2,373.000
0520	460.1100	HMA PAVEMENT TYPE E-0.3	TON	18,203.000	18,203.000
0530	460.1110	HMA PAVEMENT TYPE E-10	TON	3,851.000	3,851.000
0540	460.2000	INCENTIVE DENSITY HMA PAVEMENT	DOL	14,115.000	14,115.000
0550	465.0125	ASPHALTIC SURFACE TEMPORARY	TON	37,029.000	37,029.000
0560	465.0315	ASPHALTIC FLUMES	SY	102.000	102.000
0570	465.0400	ASPHALTIC SHOULDER RUMBLE STRIP	LF	53,137.000	53,137.000
0580	502.0100	CONCRETE MASONRY BRIDGES	CY	2,105.000	2,105.000
0590	502.3100	EXPANSION DEVICE (STRUCTURE) 01. B-18-25	LS	1.000	1.000
0600	502.3200	PROTECTIVE SURFACE TREATMENT	SY	4,638.000	4,638.000
0610	502.5002	MASONRY ANCHORS TYPE L NO. 4 BARS	EACH	58.000	58.000
0620	502.5005	MASONRY ANCHORS TYPE L NO. 5 BARS	EACH	273.000	273.000
0630	502.5010	MASONRY ANCHORS TYPE L NO. 6 BARS	EACH	380.000	380.000
0640	502.5015	MASONRY ANCHORS TYPE L NO. 7 BARS	EACH	192.000	192.000
0650	502.5020	MASONRY ANCHORS TYPE L NO. 8 BARS	EACH	24.000	24.000
0660	502.5025	MASONRY ANCHORS TYPE L NO. 9 BARS	EACH	86.000	86.000
0670	503.0137	PRESTRESSED GIRDER TYPE I 36W-INCH	LF	189.000	189.000
0680	503.0172	PRESTRESSED GIRDER TYPE I 72W-INCH	LF	1,806.000	1,806.000
0690	504.0900	CONCRETE MASONRY ENDWALLS	CY	17.500	17.500
0700	505.0405	BAR STEEL REINFORCEMENT HS BRIDGES	LB	36,279.000	36,279.000
0710	505.0605	BAR STEEL REINFORCEMENT HS COATED BRIDGES	LB	302,184.000	302,184.000
0720	505.0905	BAR COUPLERS NO. 5	EACH	478.000	478.000
0730	505.0908	BAR COUPLERS NO. 8	EACH	48.000	48.000
0740	506.2605	BEARING PADS ELASTOMERIC NON-LAMINATED	EACH	34.000	34.000
0750	506.2610	BEARING PADS ELASTOMERIC LAMINATED	EACH	2.000	2.000
0760	506.4000	STEEL DIAPHRAGMS (STRUCTURE) 01. B-18-25	EACH	4.000	4.000
0770	506.4000	STEEL DIAPHRAGMS (STRUCTURE) 02. B-18-227	EACH	12.000	12.000
0780	506.4000	STEEL DIAPHRAGMS (STRUCTURE) 03. B-18-228	EACH	12.000	12.000
0790	509.0301	PREPARATION DECKS TYPE 1	SY	180.000	180.000
0800	509.0302	PREPARATION DECKS TYPE 2	SY	72.000	72.000
0810	509.0500	CLEANING DECKS	SY	916.000	916.000
0820	509.1000	JOINT REPAIR	SY	41.000	41.000
0830	509.1500	CONCRETE SURFACE REPAIR	SF	385.000	385.000
0840	509.2500	CONCRETE MASONRY OVERLAY DECKS	CY	120.000	120.000
0850	509.9005.S	REMOVING CONCRETE MASONRY DECK OVERLAY (STRUCTURE) 01. B-18-29	SY	470.000	470.000
0860	516.0500	RUBBERIZED MEMBRANE WATERPROOFING	SY	92.000	92.000
0870	520.7000	CLEANING CULVERT PIPES	EACH	6.000	6.000
0880	520.8000	CONCRETE COLLARS FOR PIPE	EACH	33.000	33.000
0890	521.0172	CULVERT PIPE CORRUGATED STEEL 72-INCH	LF	136.000	136.000
0900	521.1072	APRON ENDWALLS FOR CULVERT PIPE STEEL 72-INCH	EACH	1.000	1.000

3

DATE 02APR13 E S T I M A T E O F Q U A N T I T I E S

LINE NUMBER	ITEM	ITEM DESCRIPTION	UNIT	TOTAL	1022-08-73 QUANTITY
0910	522.0118	CULVERT PIPE REINFORCED CONCRETE CLASS III 18-INCH	LF	310.000	310.000
0920	522.0124	CULVERT PIPE REINFORCED CONCRETE CLASS III 24-INCH	LF	37.000	37.000
0930	522.0130	CULVERT PIPE REINFORCED CONCRETE CLASS III 30-INCH	LF	29.000	29.000
0940	522.0148	CULVERT PIPE REINFORCED CONCRETE CLASS III 48-INCH	LF	12.000	12.000
0950	522.0336	CULVERT PIPE REINFORCED CONCRETE CLASS IV 36-INCH	LF	10.000	10.000
0960	522.1015	APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 15-INCH	EACH	1.000	1.000
0970	522.1018	APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 18-INCH	EACH	19.000	19.000
0980	522.1024	APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 24-INCH	EACH	6.000	6.000
0990	522.1030	APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 30-INCH	EACH	4.000	4.000
1000	522.1036	APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 36-INCH	EACH	1.000	1.000
1010	550.2128	PILING CIP CONCRETE 12 3/4 X 0.50-INCH	LF	3,520.000	3,520.000
1020	601.0105	CONCRETE CURB TYPE A	LF	121.000	121.000
1030	601.0409	CONCRETE CURB & GUTTER 30-INCH TYPE A	LF	5,135.000	5,135.000
1040	601.0551	CONCRETE CURB AND GUTTER 4-INCH SLOPED 36-INCH TYPE A	LF	4,068.000	4,068.000
1050	602.0410	CONCRETE SIDEWALK 5-INCH	SF	14,947.000	14,947.000
1060	603.1142	CONCRETE BARRIER TYPE S42	LF	943.000	943.000
1070	603.1436	CONCRETE BARRIER TYPE S36C	LF	838.000	838.000
1080	603.8000	CONCRETE BARRIER TEMPORARY PRECAST DELIVERED	LF	57,285.000	57,285.000
1090	603.8125	CONCRETE BARRIER TEMPORARY PRECAST INSTALLED	LF	76,310.000	76,310.000
1100	604.0400	SLOPE PAVING CONCRETE	SY	143.000	143.000
1110	604.0500	SLOPE PAVING CRUSHED AGGREGATE	SY	195.000	195.000
1120	604.9015.S	RESEAL CRUSHED AGGREGATE SLOPE PAVING	SY	350.000	350.000
1130	606.0100	RIPRAP LIGHT	CY	84.000	84.000
1140	606.0200	RIPRAP MEDIUM	CY	59.000	59.000
1150	606.0300	RIPRAP HEAVY	CY	1,827.000	1,827.000
1160	608.0318	STORM SEWER PIPE REINFORCED CONCRETE CLASS III 18-INCH	LF	3,434.000	3,434.000
1170	608.0336	STORM SEWER PIPE REINFORCED CONCRETE CLASS III 36-INCH	LF	92.000	92.000
1180	608.0418	STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 18-INCH	LF	482.000	482.000
1190	608.0424	STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 24-INCH	LF	190.000	190.000
1200	608.0430	STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 30-INCH	LF	142.000	142.000
1210	611.0430	RECONSTRUCTING INLETS	EACH	2.000	2.000
1220	611.0535	MANHOLE COVERS TYPE J-SPECIAL	EACH	1.000	1.000
1230	611.0606	INLET COVERS TYPE B	EACH	2.000	2.000
1240	611.0624	INLET COVERS TYPE H	EACH	11.000	11.000
1250	611.0627	INLET COVERS TYPE HM	EACH	15.000	15.000
1260	611.0642	INLET COVERS TYPE MS	EACH	74.000	74.000
1270	611.2004	MANHOLES 4-FT DIAMETER	EACH	2.000	2.000
1280	611.2005	MANHOLES 5-FT DIAMETER	EACH	2.000	2.000
1290	611.3230	INLETS 2X3-FT	EACH	23.000	23.000

3

DATE 02APR13 E S T I M A T E O F Q U A N T I T I E S

LINE NUMBER	ITEM	ITEM DESCRIPTION	UNIT	TOTAL	1022-08-73 QUANTITY
1300	611.3253	INLETS 2.5X3-FT	EACH	1.000	1.000
1310	611.3901	INLETS MEDIAN 1 GRATE	EACH	16.000	16.000
1320	611.3902	INLETS MEDIAN 2 GRATE	EACH	3.000	3.000
1330	611.3903	INLETS MEDIAN 3 GRATE	EACH	1.000	1.000
1340	611.3904	INLETS MEDIAN 4 GRATE	EACH	12.000	12.000
1350	611.8115	ADJUSTING INLET COVERS	EACH	4.000	4.000
1360	612.0406	PIPE UNDERDRAIN WRAPPED 6-INCH	LF	1,760.000	1,760.000
1370	614.0150	ANCHOR ASSEMBLIES FOR STEEL PLATE BEAM GUARD	EACH	4.000	4.000
1380	614.0200	STEEL THRIE BEAM STRUCTURE APPROACH	LF	166.000	166.000
1390	614.0220	STEEL THRIE BEAM BULLNOSE TERMINAL	EACH	14.000	14.000
1400	614.0230	STEEL THRIE BEAM	LF	4,576.000	4,576.000
1410	614.0905	CRASH CUSHIONS TEMPORARY	EACH	13.000	13.000
1420	614.0920	SALVAGED RAIL	LF	19,641.000	19,641.000
1430	614.0925	SALVAGED GUARDRAIL END TREATMENTS	EACH	35.000	35.000
1440	614.2300	MGS GUARDRAIL 3	LF	27,222.000	27,222.000
1450	614.2500	MGS THRIE BEAM TRANSITION	LF	946.000	946.000
1460	614.2610	MGS GUARDRAIL TERMINAL EAT	EACH	29.000	29.000
1470	614.2620	MGS GUARDRAIL TERMINAL TYPE 2	EACH	8.000	8.000
1480	616.0100	FENCE WOVEN WIRE (HEIGHT) 01. 4-FT	LF	45,641.000	45,641.000
1490	616.0206	FENCE CHAIN LINK 6-FT	LF	14,513.000	14,513.000
1500	616.0329	GATES CHAIN LINK (WIDTH) 01. 8-FT	EACH	2.000	2.000
1510	619.1000	MOBILIZATION	EACH	1.000	1.000
1520	620.0300	CONCRETE MEDIAN SLOPED NOSE	SF	664.000	664.000
1530	624.0100	WATER	MGAL	2,244.000	2,244.000
1540	625.0500	SALVAGED TOPSOIL	SY	395,236.000	395,236.000
1550	627.0200	MULCHING	SY	395,236.000	395,236.000
1560	628.1504	SILT FENCE	LF	9,395.000	9,395.000
1570	628.1520	SILT FENCE MAINTENANCE	LF	9,395.000	9,395.000
1580	628.1905	MOBILIZATIONS EROSION CONTROL	EACH	20.000	20.000
1590	628.1910	MOBILIZATIONS EMERGENCY EROSION CONTROL	EACH	12.000	12.000
1600	628.1920	CLEANING SEDIMENT BASINS	CY	250.000	250.000
1610	628.2004	EROSION MAT CLASS I TYPE B	SY	76,981.000	76,981.000
1620	628.2023	EROSION MAT CLASS II TYPE B	SY	5,482.000	5,482.000
1630	628.6005	TURBIDITY BARRIERS	SY	2,470.000	2,470.000
1640	628.6510	SOIL STABILIZER TYPE B	ACRE	1.000	1.000
1650	628.7005	INLET PROTECTION TYPE A	EACH	63.000	63.000
1660	628.7015	INLET PROTECTION TYPE C	EACH	34.000	34.000
1670	628.7504	TEMPORARY DITCH CHECKS	LF	2,120.000	2,120.000
1680	628.7555	CULVERT PIPE CHECKS	EACH	198.000	198.000
1690	629.0210	FERTILIZER TYPE B	CWT	251.000	251.000
1700	630.0120	SEEDING MIXTURE NO. 20	LB	4,333.000	4,333.000
1710	630.0130	SEEDING MIXTURE NO. 30	LB	4,258.000	4,258.000
1720	630.0200	SEEDING TEMPORARY	LB	5,359.000	5,359.000
1730	633.0100	DELINEATOR POSTS STEEL	EACH	395.000	395.000
1740	633.0500	DELINEATOR REFLECTORS	EACH	491.000	491.000
1750	633.1100	DELINEATORS TEMPORARY	EACH	128.000	128.000
1760	633.5200	MARKERS CULVERT END	EACH	117.000	117.000
1770	634.0614	POSTS WOOD 4X6-INCH X 14-FT	EACH	40.000	40.000
1780	634.0616	POSTS WOOD 4X6-INCH X 16-FT	EACH	125.000	125.000
1790	635.0200	SIGN SUPPORTS STRUCTURAL STEEL HS	LB	2,080.000	2,080.000
1800	635.0300	SIGN SUPPORTS REPLACING BASE CONNECTION BOLTS	EACH	5.000	5.000

3

DATE 02APR13 E S T I M A T E O F Q U A N T I T I E S

LINE NUMBER	ITEM	ITEM DESCRIPTION	UNIT	TOTAL	1022-08-73 QUANTITY
1810	637.0101	SIGNS TYPE I	SF	2,046.000	2,046.000
1820	637.0202	SIGNS REFLECTIVE TYPE II	SF	1,837.420	1,837.420
1830	637.0402	SIGNS REFLECTIVE FOLDING TYPE II	SF	107.300	107.300
1840	638.2101	MOVING SIGNS TYPE I	EACH	8.000	8.000
1850	638.2102	MOVING SIGNS TYPE II	EACH	9.000	9.000
1860	638.2601	REMOVING SIGNS TYPE I	EACH	19.000	19.000
1870	638.2602	REMOVING SIGNS TYPE II	EACH	175.000	175.000
1880	638.3000	REMOVING SMALL SIGN SUPPORTS	EACH	140.000	140.000
1890	638.3100	REMOVING STRUCTURAL STEEL SIGN SUPPORTS	EACH	5.000	5.000
1900	638.4000	MOVING SMALL SIGN SUPPORTS	EACH	6.000	6.000
1910	641.5100	SIGN BRIDGE STRUCTURE MOUNTED (STRUCTURE) 01. SIGN 48	LS	1.000	1.000
1920	641.5100	SIGN BRIDGE STRUCTURE MOUNTED (STRUCTURE) 02. SIGN 49	LS	1.000	1.000
1930	641.5100	SIGN BRIDGE STRUCTURE MOUNTED (STRUCTURE) 03. SIGN 50	LS	1.000	1.000
1940	641.5100	SIGN BRIDGE STRUCTURE MOUNTED (STRUCTURE) 04. SIGN 51	LS	1.000	1.000
1950	642.5201	FIELD OFFICE TYPE C	EACH	1.000	1.000
1960	643.0100	TRAFFIC CONTROL (PROJECT) 01. ID 1022-08-73	EACH	1.000	1.000
1970	643.0300	TRAFFIC CONTROL DRUMS	DAY	128,164.000	128,164.000
1980	643.0420	TRAFFIC CONTROL BARRICADES TYPE III	DAY	8,076.000	8,076.000
1990	643.0500	TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER POSTS	EACH	721.000	721.000
2000	643.0600	TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER BASES	EACH	721.000	721.000
2010	643.0705	TRAFFIC CONTROL WARNING LIGHTS TYPE A	DAY	2,910.000	2,910.000
2020	643.0715	TRAFFIC CONTROL WARNING LIGHTS TYPE C	DAY	16,688.000	16,688.000
2030	643.0800	TRAFFIC CONTROL ARROW BOARDS	DAY	1,207.000	1,207.000
2040	643.0900	TRAFFIC CONTROL SIGNS	DAY	25,086.000	25,086.000
2050	643.0910	TRAFFIC CONTROL COVERING SIGNS TYPE I	EACH	16.000	16.000
2060	643.0920	TRAFFIC CONTROL COVERING SIGNS TYPE II	EACH	24.000	24.000
2070	643.1000	TRAFFIC CONTROL SIGNS FIXED MESSAGE	SF	448.000	448.000
2080	643.1050	TRAFFIC CONTROL SIGNS PCMS	DAY	1,142.000	1,142.000
2090	645.0120	GEOTEXTILE FABRIC TYPE HR	SY	4,464.000	4,464.000
2100	645.0130	GEOTEXTILE FABRIC TYPE R	SY	996.000	996.000
2110	646.0106	PAVEMENT MARKING EPOXY 4-INCH	LF	137,051.000	137,051.000
2120	646.0126	PAVEMENT MARKING EPOXY 8-INCH	LF	3,011.000	3,011.000
2130	646.0600	REMOVING PAVEMENT MARKINGS	LF	32,428.000	32,428.000
2140	646.0841.S	PAVEMENT MARKING GROOVED WET REFLECTIVE CONTRAST TAPE 4-INCH	LF	14,789.000	14,789.000
2150	646.0843.S	PAVEMENT MARKING GROOVED WET REFLECTIVE CONTRAST TAPE 8-INCH	LF	6,652.000	6,652.000
2160	647.0166	PAVEMENT MARKING ARROWS EPOXY TYPE 2	EACH	6.000	6.000
2170	647.0176	PAVEMENT MARKING ARROWS EPOXY TYPE 3	EACH	1.000	1.000
2180	647.0356	PAVEMENT MARKING WORDS EPOXY	EACH	3.000	3.000
2190	647.0456	PAVEMENT MARKING CURB EPOXY	LF	335.000	335.000
2200	647.0566	PAVEMENT MARKING STOP LINE EPOXY 18-INCH	LF	288.000	288.000
2210	647.0736	PAVEMENT MARKING DIAGONAL EPOXY 18-INCH	LF	90.000	90.000
2220	647.0803	PAVEMENT MARKING AERIAL ENFORCEMENT BARS EPOXY 24-INCH	LF	120.000	120.000
2230	649.0200	TEMPORARY PAVEMENT MARKING REFLECTIVE PAINT 4-INCH	LF	179,415.000	179,415.000
2240	649.0400	TEMPORARY PAVEMENT MARKING REMOVABLE TAPE 4-INCH	LF	121,059.000	121,059.000

3

DATE 02APR13 E S T I M A T E O F Q U A N T I T I E S

LINE NUMBER	ITEM	ITEM DESCRIPTION	UNIT	TOTAL	1022-08-73 QUANTITY
2250	649.0801	TEMPORARY PAVEMENT MARKING REMOVABLE TAPE 8-INCH	LF	2,630.000	2,630.000
2260	649.2100	TEMPORARY RAISED PAVEMENT MARKERS	EACH	208.000	208.000
2270	652.0125	CONDUIT RIGID METALLIC 2-INCH	LF	20.000	20.000
2280	652.0215	CONDUIT RIGID NONMETALLIC SCHEDULE 40 1 1/4-INCH	LF	20.000	20.000
2290	652.0225	CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH	LF	9,180.000	9,180.000
2300	652.0235	CONDUIT RIGID NONMETALLIC SCHEDULE 40 3-INCH	LF	2,627.000	2,627.000
2310	652.0605	CONDUIT SPECIAL 2-INCH	LF	1,770.000	1,770.000
2320	652.0700.S	INSTALL CONDUIT INTO EXISTING ITEM	EACH	1.000	1.000
2330	652.0800	CONDUIT LOOP DETECTOR	LF	2,066.000	2,066.000
2340	653.0135	PULL BOXES STEEL 24X36-INCH	EACH	28.000	28.000
2350	653.0140	PULL BOXES STEEL 24X42-INCH	EACH	35.000	35.000
2360	653.0905	REMOVING PULL BOXES	EACH	40.000	40.000
2370	654.0101	CONCRETE BASES TYPE 1	EACH	20.000	20.000
2380	654.0102	CONCRETE BASES TYPE 2	EACH	2.000	2.000
2390	654.0105	CONCRETE BASES TYPE 5	EACH	19.000	19.000
2400	654.0113	CONCRETE BASES TYPE 13	EACH	4.000	4.000
2410	654.0217	CONCRETE CONTROL CABINET BASES TYPE 9 SPECIAL	EACH	2.000	2.000
2420	654.0220	CONCRETE CONTROL CABINET BASES TYPE 10	EACH	1.000	1.000
2430	655.0230	CABLE TRAFFIC SIGNAL 5-14 AWG	LF	6,537.000	6,537.000
2440	655.0260	CABLE TRAFFIC SIGNAL 12-14 AWG	LF	504.000	504.000
2450	655.0320	CABLE TYPE UF 2-10 AWG GROUNDED	LF	5,599.000	5,599.000
2460	655.0510	ELECTRICAL WIRE TRAFFIC SIGNALS 12 AWG	LF	41.000	41.000
2470	655.0515	ELECTRICAL WIRE TRAFFIC SIGNALS 10 AWG	LF	6,448.000	6,448.000
2480	655.0525	ELECTRICAL WIRE TRAFFIC SIGNALS 6 AWG	LF	41.000	41.000
2490	655.0610	ELECTRICAL WIRE LIGHTING 12 AWG	LF	1,989.000	1,989.000
2500	655.0615	ELECTRICAL WIRE LIGHTING 10 AWG	LF	1,595.000	1,595.000
2510	655.0630	ELECTRICAL WIRE LIGHTING 4 AWG	LF	4,785.000	4,785.000
2520	655.0700	LOOP DETECTOR LEAD IN CABLE	LF	8,353.000	8,353.000
2530	655.0800	LOOP DETECTOR WIRE	LF	5,924.000	5,924.000
2540	656.0200	ELECTRICAL SERVICE METER BREAKER PEDESTAL (LOCATION) 01. IH 94 EB RAMPS & STH 37 (HENDRICKSON DRIVE)	LS	1.000	1.000
2550	656.0200	ELECTRICAL SERVICE METER BREAKER PEDESTAL (LOCATION) 02. IH 94 WB RAMPS & STH 37 (HENDRICKSON DRIVE)	LS	1.000	1.000
2560	656.0500	ELECTRICAL SERVICE BREAKER DISCONNECT BOX (LOCATION) 01. IH 94 & STH 37	LS	1.000	1.000
2570	656.0500	ELECTRICAL SERVICE BREAKER DISCONNECT BOX (LOCATION) 02. IH 94 & STH 93	LS	1.000	1.000
2580	657.0100	PEDESTAL BASES	EACH	21.000	21.000
2590	657.0255	TRANSFORMER BASES BREAKAWAY 11 1/2-INCH BOLT CIRCLE	EACH	10.000	10.000
2600	657.0310	POLES TYPE 3	EACH	2.000	2.000
2610	657.0322	POLES TYPE 5-ALUMINUM	EACH	4.000	4.000
2620	657.0420	TRAFFIC SIGNAL STANDARDS ALUMINUM 13-FT	EACH	10.000	10.000
2630	657.0425	TRAFFIC SIGNAL STANDARDS ALUMINUM 15-FT	EACH	11.000	11.000
2640	657.0595	TROMBONE ARMS 25-FT	EACH	2.000	2.000
2650	657.0609	LUMINAIRE ARMS SINGLE MEMBER 4-INCH CLAMP 6-FT	EACH	2.000	2.000

3

DATE 02APR13 E S T I M A T E O F Q U A N T I T I E S

LINE NUMBER	ITEM	ITEM DESCRIPTION	UNIT	TOTAL	1022-08-73 QUANTITY
2660	657.0610	LUMINAIRE ARMS SINGLE MEMBER 4 1/2-INCH CLAMP 6-FT	EACH	4.000	4.000
2670	657.1355	INSTALL POLES TYPE 12	EACH	4.000	4.000
2680	657.1535	INSTALL MONOTUBE ARMS 35-FT	EACH	1.000	1.000
2690	657.1545	INSTALL MONOTUBE ARMS 45-FT	EACH	3.000	3.000
2700	658.0190.S	TRAFFIC SIGNAL FACE - LED STATE FURNISHED	EACH	34.000	34.000
2710	659.0802	PLAQUES SEQUENCE IDENTIFICATION	EACH	4.000	4.000
2720	661.0200	TEMPORARY TRAFFIC SIGNALS FOR INTERSECTIONS (LOCATION) 01. IH 94 EB RAMPS & STH 37 (HENDRICKSON DRIVE)	LS	1.000	1.000
2730	661.0200	TEMPORARY TRAFFIC SIGNALS FOR INTERSECTIONS (LOCATION) 02. IH 94 WB RAMPS & STH 37 (HENDRICKSON DRIVE)	LS	1.000	1.000
2740	661.0300	GENERATORS	DAY	4.000	4.000
2750	670.0100	FIELD SYSTEM INTEGRATOR	LS	1.000	1.000
2760	670.0200	ITS DOCUMENTATION	LS	1.000	1.000
2770	671.0300	FIBER OPTIC CABLE MARKER	EACH	8.000	8.000
2780	672.0250	BASE CAMERA POLE 50-FT	EACH	2.000	2.000
2790	673.0105	COMMUNICATION VAULT TYPE 1	EACH	2.000	2.000
2800	673.0225.S	INSTALL POLE MOUNTED CABINET	EACH	2.000	2.000
2810	675.0400.S	INSTALL ETHERNET SWITCH	EACH	2.000	2.000
2820	677.0100	INSTALL CAMERA POLE	EACH	2.000	2.000
2830	677.0200	INSTALL CAMERA ASSEMBLY	EACH	2.000	2.000
2840	677.0300.S	INSTALL VIDEO ENCODER	EACH	2.000	2.000
2850	678.0006	INSTALL FIBER OPTIC CABLE OUTDOOR PLANT 6-CT	LF	2,030.000	2,030.000
2860	678.0300	FIBER OPTIC SPLICE	EACH	16.000	16.000
2870	678.0400	FIBER OPTIC TERMINATION	EACH	12.000	12.000
2880	678.0500	COMMUNICATION SYSTEM TESTING	LS	1.000	1.000
2890	690.0150	SAWING ASPHALT	LF	45,870.000	45,870.000
2900	690.0250	SAWING CONCRETE	LF	512.000	512.000
2910	715.0415	INCENTIVE STRENGTH CONCRETE PAVEMENT	DOL	58,321.000	58,321.000
2920	715.0502	INCENTIVE STRENGTH CONCRETE STRUCTURES	DOL	21,050.000	21,050.000
2930	ASP.1T0A	ON-THE-JOB TRAINING APPRENTICE AT $5. 00/HR	HRS	2,100.000	2,100.000
2940	ASP.1T0G	ON-THE-JOB TRAINING GRADUATE AT $5.00/HR	HRS	2,400.000	2,400.000
2950	SPV.0060	SPECIAL 01. RESETTING PIPE ENDS	EACH	10.000	10.000
2960	SPV.0060	SPECIAL 02. LED LUMINAIRE, LED-C	EACH	23.000	23.000
2970	SPV.0060	SPECIAL 03. REMOVE & REINSTALL LIGHTING UNIT	EACH	13.000	13.000
2980	SPV.0060	SPECIAL 04. REMOVE AND REINSTALL RAMP CLOSURE GATE HARDWIRED 40-FT, STH 37 INTERCHANGE	EACH	2.000	2.000
2990	SPV.0060	SPECIAL 05. REMOVE EXISTING RAMP CLOSURE GATE SWINGING, STH 93 INTERCHANGE	EACH	2.000	2.000
3000	SPV.0060	SPECIAL 06. RAMP CLOSURE GATES SOLAR POWERED 30-FT	EACH	1.000	1.000
3010	SPV.0060	SPECIAL 07. RAMP CLOSURE GATES HARDWIRED 30-FT	EACH	1.000	1.000
3020	SPV.0060	SPECIAL 08. RAMP CLOSURE GATE ARMS STOCKPILE 30-FT	EACH	2.000	2.000
3030	SPV.0060	SPECIAL 09. RAMP CLOSURE GATE FLASHERS STOCKPILE	EACH	6.000	6.000
3040	SPV.0085	SPECIAL 01. BAR STEEL REINFORCEMENT HS STAINLESS BRIDGES	LB	4,300.000	4,300.000

3

DATE 02APR13 E S T I M A T E O F Q U A N T I T I E S

LINE NUMBER	ITEM	ITEM DESCRIPTION	UNIT	TOTAL	1022-08-73 QUANTITY
3050	SPV.0090	SPECIAL 01. REGRADE DITCH	LF	3,510.000	3,510.000
3060	SPV.0090	SPECIAL 02. CONCRETE CURB AND GUTTER CURE AND SEAL TREATMENT	LF	9,404.000	9,404.000
3070	SPV.0090	SPECIAL 03. CONCRETE BARRIER TYPE S36C, SPECIAL	LF	32.000	32.000
3080	SPV.0090	SPECIAL 04. INSTALL DEPARTMENT FURNISHED FIBER OPTIC CABLE, 6-COUNT AND LOCATING WIRE	LF	1,810.000	1,810.000
3090	SPV.0090	SPECIAL 05. CONCRETE CURB AND GUTTER 4-INCH SLOPED 60-INCH TYPE A SPECIAL	LF	80.000	80.000
3100	SPV.0105	SPECIAL 01. SURVEY PROJECT ID 1022-08-73	LS	1.000	1.000
3110	SPV.0105	SPECIAL 02. CONSTRUCTION STAKING CONCRETE PAVEMENT JOINT LAYOUT	LS	1.000	1.000
3120	SPV.0105	SPECIAL 03. PROJECT CONCRETE CRACK MITIGATION AND REPAIR SPECIAL	LS	1.000	1.000
3130	SPV.0105	SPECIAL 04. SALVAGE ABOVE GROUND TRFFIC SIGNAL & LIGHTING EQUIP, IH 94 EB RAMPS & STH 37	LS	1.000	1.000
3140	SPV.0105	SPECIAL 05. SALVAGE ABOVE GROUND TRFFIC SIGNAL & LIGHTING EQUIP, IH 94 WB RAMPS & STH 37	LS	1.000	1.000
3150	SPV.0105	SPECIAL 06. INSTALL EVP CONTROLLER, WISDOT OWNED TRAFFIC SIGNALS, IH 94 EB RAMPS & STH 37	LS	1.000	1.000
3160	SPV.0105	SPECIAL 07. INSTALL EVP CONTROLLER, WISDOT OWNED TRAFFIC SIGNALS, IH 94 WB RAMPS & STH 37	LS	1.000	1.000
3170	SPV.0105	SPECIAL 08. TRANSP TRAFFIC SIG & INTER LIGHTING MATERIALS, IH 94 EB RAMPS & STH 37	LS	1.000	1.000
3180	SPV.0105	SPECIAL 09. TRANSP TRAFFIC SIG & INTER LIGHTING MATERIALS, IH 94 WB RAMPS & STH 37	LS	1.000	1.000
3190	SPV.0105	SPECIAL 10. INS DEPT FURN ORNAMENTAL SIG MOUNT HARDWARE TRAFFIC SIG, IH 94 EB & STH 37	LS	1.000	1.000
3200	SPV.0105	SPECIAL 11. INS DEPT FURN ORNAMENTAL SIG MOUNT HARDWARE TRAFFIC SIG, IH 94 WB & STH 37	LS	1.000	1.000
3210	SPV.0105	SPECIAL 12. SIGNAL MOUNTING HARDWARE FOR POLE MOUNTINGS, IH 94 EB RAMPS & STH 37	LS	1.000	1.000
3220	SPV.0105	SPECIAL 13. SIGNAL MOUNTING HARDWARE FOR POLE MOUNTINGS, IH 94 WB RAMPS & STH 37	LS	1.000	1.000
3230	SPV.0105	SPECIAL 14. TEMPORARY EVP SYSTEM IH 94 EB RAMPS, IH 94 EB RAMPS & STH 37	LS	1.000	1.000
3240	SPV.0105	SPECIAL 15. TEMPORARY EVP SYSTEM IH 94 EB RAMPS, IH 94 WB RAMPS & STH 37	LS	1.000	1.000
3250	SPV.0165	SPECIAL 01. CONCRETE SIDEWALK CURE AND SEAL TREATMENT	SF	14,947.000	14,947.000
3260	SPV.0165	SPECIAL 10. FIBER WRAP REINFORCING	SF	11,844.000	11,844.000
3270	SPV.0180	SPECIAL 01. CONCRETE PAVEMENT 9-INCH SPECIAL	SY	9,683.000	9,683.000
3280	SPV.0180	SPECIAL 02. CONCRETE PAVEMENT 10-INCH SPECIAL	SY	23,963.000	23,963.000
3290	SPV.0180	SPECIAL 03. CONCRETE PAVEMENT 12-INCH SPECIAL	SY	160,751.000	160,751.000

3

CLEARING AND GRUBBING ITEMS

STATION - STATION	LOCATION	201.0105 CLEARING STA	201.0120 CLEARING ID	201.0205 GRUBBING STA	201.0220 GRUBBING ID
CAT 0010					
276'C'+00 - 277'C'+00	RT	1	--	1	--
280'C'+81	RT	--	12	--	12
281'C'+10	RT	--	12	--	12
282'C'+00 - 284'C'+00	RT	2	--	2	--
282'B'+00 - 286'B'+00	RT	4	--	4	--
288'EB'+29	RT	--	5	--	5
321'EB'+25	RT	--	6	--	6
329'WB'+00 - 330'WB'+00	LT	1	--	1	--
333'WB'+85	LT	--	24	--	24
336'WB'+00 - 339'WB'+00	LT	3	--	3	--
348'WB+00	LT	--	4	--	4
366'EB'+00 - 370'EB'+00	LT	4	--	4	--
372'EB'+00 - 374'EB'+00	RT	2	--	2	--
396'WB'+00 - 399'WB'+00	RT	3	--	3	--
403'EB'+00 - 405'EB'+00	RT & LT	2	--	2	--
405'EB'+00 - 407'EB'+00	LT	2	--	2	--
408'WB'+00 - 410'WB'+00	RT & LT	2	--	2	--
415'WB'+65	LT	--	4	--	4
416'EB'+00 - 420'EB'+00	LT	4	--	4	--
424'EB'+75	LT	--	5	--	5
490'G'+80	RT	--	9	--	9
496'EB'+70	RT	--	8	--	8
505'EB'+27	RT	--	5	--	5
508'EB'+00 - 511'EB'+00	RT	3	--	3	--
TOTALS		33	94	33	94

REMOVING SMALL PIPE CULVERT ITEMS

STATION	DESCRIPTION	LOCATION		203.0100 REMOVING SMALL PIPE CULVERTS EACH	204.0185* REMOVING MASONRY CY	204.9060.S.01 REMOVING APRON ENDWALLS EACH	204.0210 REMOVING MANHOLES EACH	204.0220 REMOVING INLETS EACH	204.0245.01 REMOVING STORM SEWER (15-INCH) LF	204.0245.02 REMOVING STORM SEWER (18-INCH) LF	204.0245.03 REMOVING STORM SEWER (24-INCH) LF	204.0245.04 REMOVING STORM SEWER (30-INCH) LF	204.0245.05 REMOVING STORM SEWER (36-INCH) LF	204.0270 ABANDONING CULVERT PIPES EACH	204.0280 SEALING PIPES EACH
CAT 0010															
STAGE 1															
384+09.1	IH 94 WB	17.5	RT	-	-	1	-	-	-	-	-	-	-	-	-
499+11	IH 94 WB	21.4	RT	-	-	-	-	-	-	5	-			-	-
499+08.0	IH 94 WB	-	LT	-	8	-	-	-	-	-	-	-	-	-	-
509+09.3	IH 94 WB	23.2	RT	-	-	1	-	-	-	-	-	-	-	-	-
531+00.0	IH 94 WB	R/L	-	1	-	-	-	-	-	-	-	-	-	-	-
540+76.2	IH 94 WB	16.3'	RT	-	-	1	-	-	-	-	-	-	-	-	-
STAGE 1 SUBTOTALS				1	8	3	0	0	0	5	0	0	0	0	0
STAGE 2															
402+69.8	IH 94 EB	52.0'	RT	-	2	-	-	-	-	-	-	-	-	-	-
421+12.7	IH 94 EB	R/L	-	1	-	-	-	-	-	-	-	-	-	-	-
436+19.7	IH 94 EB	20.3'	LT	-	-	1	-	-	-	-	-	-	-	-	-
436+19.7	IH 94 EB	48.7'	RT	-	-	1	-	-	-	-	-	-	-	-	-
456+10.0	IH 94 EB	R/L	-	1	-	-	-	-	-	-	-	-	-	-	-
458+19.8	STH 93 RAMP 'H'	19.5'	RT	-	-	1	-	-	-	-	-	-	-	-	-
470+12.9	IH 94 EB	53.1'	RT	-	-	1	-	-	-	-	-	-	-	-	-
STAGE 2 SUBTOTALS				2	2	4	0	0	0	0	0	0	0	0	0
STAGE 3															
256+89	IH 94'EB'	14'	LT	1	-	-	-	-	-	-	-	-	-	1	-
267+74	IH 94'EB'	44'	LT	-	-	-	-	-	-	70	-	-	-	-	-
285+23.0	IH 94'EB'	31.7'	LT	-	-	-	-	-	-	-	10	-	-	-	-
285+35.9	IH 94 WB	63.2'	LT	-	-	1	-	-	-	-	-	-	-	-	-
315+46.4	IH 94 EB	44.1'	RT	-	2.2	-	-	-	-	-	-	-	-	-	-
319+97.0	IH 94 EB	41.3'	LT	-	-	1	-	-	-	-	-	-	-	-	-
333+26.4	IH 94 EB	31.3'	LT	-	-	-	-	-	-	-	-	36	-	-	-
346+76	IH 94 EB	42.1	LT	-	-	1	-	-	-	-	-	-	-	-	-
355+20.0	IH 94 EB	42.6	LT	-	-	1	-	-	-	-	-	-	-	-	-
364+21.0	IH 94 EB	43.1	LT	-	-	1	-	-	-	-	-	-	-	-	-
384+00' EB'	TEMP X-OVER	46'	LT	-	-	-	-	-	-	120	-	-	-	-	-
457+00 'EB'	TEMP X-OVER	50.0	LT	-	-	-	-	1	-	204	-	-	-	-	-
471+21.6	IH 94 WB	29.3	RT	-	-	-	-	1	-	5	-	-	-	-	-
482+00 'EB'	TEMP X-OVER	30.0	LT	1	-	-	-		-	-	-	-	-	-	-
13+50.0	STH 37 NB	81.5	LT	-	4	-	-	-	-	-	-	-	-	-	-
24+45.2	STH 37 NB	17.7	LT	-	-	-	1	-	-	101	-	-	-	-	-
24+61.3	STH 37 NB	13.6	LT	-	-	-	-	1	15	-	-	-	-	-	-
27+00.5	STH 37 NB	-	LT & RT	-	-	-	-	-	-	70	-	-	-	-	-
27+00.3	STH 37 NB	26.4	LT	-	-	-	-	1	-	-	-	-	-	-	-
27+00.5	STH 37 NB	2.4	LT	-	-	-	-	1	-	-	-	-	-	-	-
32+00.5	STH 37 NB	-	LT	-	-	-	-	-	-	-	71.5	-	-	-	-
32+00.5	STH 37 NB	26.4	LT	-	-	-	-	1	-	-	-	-	-	-	-
32+00.5	STH 37 NB	2.4	LT	-	-	-	-	1	-	-	-	-	-	-	-
37+15.3	STH 37 NB	-	LT & RT	1	-	-	-	-	-	-	-	-	-	-	-
268+11.4	'B' RAMP	19.1	RT	-	-	-	-	1	-	-	-	-	-	-	-
274+60.4	'A' RAMP	1.8	LT	-	-	-	-	1	-	-	-	-	-	-	-
268+11.4	'B' RAMP	-	LT	-	-	-	-	-	-	60	-	-	-	-	-
278+01.5	'A' RAMP	27.2	RT	-	-	-	-	1	-	-	-	-	-	-	-

(CONTINUED)

REMOVING SMALL PIPE CULVERT ITEMS

STATION	DESCRIPTION	LOCATION		203.0100 REMOVING SMALL PIPE CULVERTS EACH	204.0185* REMOVING MASONRY CY	204.9060.S.01 REMOVING APRON ENDWALLS EACH	204.0210 REMOVING MANHOLES EACH	204.0220 REMOVING INLETS EACH	204.0245.01 REMOVING STORM SEWER (15-INCH) LF	204.0245.02 REMOVING STORM SEWER (18-INCH) LF	204.0245.03 REMOVING STORM SEWER (24-INCH) LF	204.0245.04 REMOVING STORM SEWER (30-INCH) LF	204.0245.05 REMOVING STORM SEWER (36-INCH) LF	204.0270 ABANDONING CULVERT PIPES EACH	204.0280 SEALING PIPES EACH
(CONTINUED)															
278+01.5	'A' RAMP	-	LT & RT	-	-	-	-	-	-	43	-	-	-	-	-
277+96.6	'A' RAMP	15.0	LT	-	-	-	-	1	-	19	-	-	-	-	-
264+40.9	'B'RAMP	27.8	LT	-	-	-	-	1	-	20	-	-	-	-	-
270+39.0	'B'RAMP	26.9	LT	1	-	-	-	-	-	-	-	-	-	-	-
265+05.2	'C' RAMP	15.2	LT	-	-	-	-	1	-	8	-	-	-	-	-
265+05.1	'C' RAMP	23.4	LT	-	-	-	-	1	-	43	-	-	-	-	-
277+87.7	'D' RAMP	21.2	RT	-	-	-	-	1	-	23	-	-	-	-	-
267+95.7	'C' RAMP	18.7	LT	-	-	-	-	1	-	31	-	-	-	-	-
265+76.8	'C' RAMP	92.6	RT	-	-	1	-	-	-	-	-	-	-	-	-
275+32.2	'D' RAMP	4.1	RT	-	-	-	-	1	-	21	-	-	-	-	-
271+99.0	'D' RAMP	3.3	RT	-	-	-	-	1	-	5	-	-	-	-	-
277+34.0	D' RAMP	-	LT & RT	1	-	-	-	-	-	-	-	-	-	-	-
STAGE 3 SUBTOTALS				5	6.2	6	1	18	15	843	82	36	0	1	0
STAGE 4															
315+64.0	IH 94 WB	115.0	LT	-	2.2	-	-	-	-	-	-	-	-	-	-
333+77	IH 94 WB	R/L	-	-	-	1	-	1	-	64	-	-	-	-	-
346+81	IH 94 WB	R/L		1	-	-	-	-	-	-	-	-	-	-	-
355+21	IH 94 WB	21.0	RT	-	-	1	-	-	-	-	-	-	-	-	-
364+22	IH 94 WB	R/L	-	1	-	-	-	-	-	-	-	-	-	-	-
384+09	IH 94 WB	R/L	-	1	-	-	-	-	-	-	-	-	-	-	-
399+95	IH94 WB	R/L	-	-	-	-	-	1	-	-	57	-	-	-	-
411+05	IH 94 WB	39.1	RT	-	-	1	-	-	-	-	-	-	-	-	-
420+89	IH 94 WB	R/L	-	1	-	-	-	-	-	-	-	-	-	-	-
STAGE 4 SUBTOTALS				4	2.2	3	0	2	0	64	57	0	0	0	0
STAGE 5															
32+00.5	STH 37 NB	-	LT	-	-	-	-	1	-	-	71.5	-	-	-	-
37+15.3	STH 37 NB	-	LT	1	-	-	1	-	-	-	-	-	-	-	-
36+40.6	STH 37 NB	-	LT	-	-	-	-	-	-	73	-	-	-	-	-
36+40.6	STH 37 NB	16.0	LT	-	-	-	-	1	-	-	-	-	-	-	-
333+26.4	IH 94 EB	51.3	RT	-	-	-	-	-	-	-	-	51	-	-	-
STAGE 5 SUBTOTALS				1	0	0	1	2	0	73	72	51	0	0	0
STAGE 6															
309+09	IH 94 WB	20.0	RT	-	-	1	-	-	-	-	-	-	-	-	-
319+96.6	IH 94 EB	41.2	LT	-	-	-	-	-	-	4	-	-	-	-	-
333+26.3	IH 94 EB	41.9'	LT	-	-	-	-	-	-	-	-	-	73	-	-
384+09.1	IH 94 WB	11.5	RT	-	-	-	-	1	-	-	-	-	-	-	-
393+99.7	IH94 WB	15.1	RT	-	-	-	-	1	-	8	-	-	-	-	-
436+19.7	IH 94 EB	32.2'	LT	-	-	-	-	-	-	-	-	12	-	-	-
456+03.4	IH 94 EB	49.3'	LT	-	-	-	-	1	-	18	-	-	-	-	-
471+21.6	IH 94 WB	24.2	RT	-	-	-	-	1	-	5	-	-	-	-	-
476+00 'EB'	TEMP X-OVER	46.2	LT	-	-	-	1	-	-	470	-	-	-	-	-
479+00 'EB'	TEMP X-OVER	18.5	LT	-	-	-	-	1	-	301	-	-	-	-	-
542+00 'EB'	TEMP X-OVER	26.5	LT	-	-	-	1	-	-	600	-	-	-	-	-
46+00 'STH 37'	TEMP X-OVER	21.0	LT	-	-	-	-	1	-	600	-	-	-	-	-
46+00 'STH 37'	TEMP X-OVER	18.4	LT	-	-	-	-	-	-	-	-	-	-	-	1
STAGE 6 SUBTOTALS				0	0	1	2	6	0	2,006	0	12	73	0	1
PROJECT TOTALS:				13	18	17	4	28	15	2,991	210	99	73	1	1

* ADDITIONAL QUANTITIES SHOWN ELSEWHERE

REMOVING PAVEMENT

STATION - STATION	LOCATION	204.0100 REMOVING PAVEMENT SY	204.0110 REMOVING ASPHALTIC SURFACE SY	204.0115 REMOVING ASPHALTIC SURFACE BUTT JOINTS SY	204.0120 REMOVING ASPHALTIC SURFACE MILLING SY
CAT 0010					
STAGE 1					
451'WB'+37 to 468'WB'+70	LT & RT	4,570	--	--	--
468'WB+70 to 469'WB'+70	LT & RT	263	--	--	--
469'WB+70 to 490'WB+00	LT & RT	6,063	--	--	--
490'WB'+00 to 514'WB'+25	LT & RT	6,430	--	--	--
514'WB'+25 to 533'WB'+95	LT & RT	5,238	--	--	--
STAGE 1 SUBTOTAL		22,564	--	--	--
STAGE 2					
457'H'+34 to 469'H'+26	LT & RT	--	--	97	3,438
458'E'+33 to 468'E'+67	LT & RT	--	--	70	2,584
468'F'+99 to 479'F'+00	LT & RT	--	--	98	2,815
469'G'+76 to 479'G'+82	LT & RT	--	--	64	2,511
397'EB'+00 to 418'EB'+75	LT & RT	--	--	--	--
445'EB'+13 to 468'EB'+83	LT & RT	6,760	--	--	--
468'EB'+83 to 469'EB+83	LT & RT	262	--	--	--
469'EB'+83 to 490'EB'+00	LT & RT	6,524	--	--	--
490'EB'+00 to 514'EB'+25	LT & RT	6,344	--	--	--
514'EB'+25 to 534'EB'+15	LT & RT	5,230	--	--	--
454'E'+38 to 458'E'+29	RT	--	--	--	--
STAGE 2 SUBTOTAL		25,120	--	328	11,349
STAGE 3					
256'WB'+88 to 265'WB'+32	LT & RT	2,837	--	--	--
256'EB'+58 to 265'EB'+24	LT & RT	2,462	--	--	--
267'WB'+22 to 295'WB'+50	LT & RT	9,081	--	--	--
267'EB'+16 to 291'EB'+50	LT & RT	7,146	--	--	--
267'A'+19 to 278'A'+27	LT & RT	2,705	--	--	--
264'B'+08 to 277'B'+52	LT & RT	3,922	--	--	--
264'C'+76 to 279'C'+90	LT & RT	3,160	--	--	--
267'D'+26 - 278'D'+33	LT & RT	2,839	--	--	--
STAGE 3 SUBTOTAL		34,153	--	--	--
STAGE 4					
8'NB'+04 to 29'NB'+60	LT & RT	7,233	--	--	--
29'NB'+60 to 31'NB'+10	LT & RT	436	--	--	--
31'NB'+10 to 40'NB'+00	LT & RT	3,346	--	--	--
307'WB'+00 to 353'WB'+80	LT	12,470	--	--	--
354'WB'+87 to 406'WB'+72	LT	13,818	--	--	--
408'WB'+19 to 451'WB'+37	LT	12,268	--	--	--
STAGE 4 SUBTOTAL		49,571	--	--	--
(CONTINUED)					

REMOVING PAVEMENT

STATION - STATION	LOCATION	204.0100 REMOVING PAVEMENT SY	204.0110 REMOVING ASPHALTIC SURFACE SY	204.0115 REMOVING ASPHALTIC SURFACE BUTT JOINTS SY	204.0120 REMOVING ASPHALTIC SURFACE MILLING SY
(CONTINUED)					
STAGE 5					
8'SB'+09 to 29'SB+58	LT & RT	8,492	--	--	--
29'SB'+58 to 31'SB'+10	LT & RT	637	--	--	--
31'SB'+10 to 40'SB'+00	LT & RT	3,946	--	--	--
322'EB'+00 to 353'EB'+90	RT	8,523	--	--	--
354'EB'+97 to 397'EB'+00	RT	10,987	--	--	--
397'EB'+00 to 407'EB'+10	RT	1,718	--	--	--
408'EB'+56 to 418'EB'+75	RT	2,660	--	--	--
418'EB'+75 to 445'EB'+13	RT	6,924	--	--	--
STAGE 5 SUBTOTAL		43,887	--	--	--
STAGE 6					
307'EB'+00 to 322'EB'+00	--	3,994	--	--	--
40'NB'+00 to 46'NB'+00	LT	--	2,413	--	--
291'EB'+50 to 298'EB+70	LT	--	1,555	--	--
291'EB'+50 to 298'EB+70	RT	--	1,412	--	--
300'EB'+59 to 307'EB'+00	LT	--	1,292	--	--
300'EB'+59 to 307'EB'+00	RT	--	1,290	--	--
534'WB'+20 to 548'WB'+80	LT	--	4,268	--	--
STAGE 6 SUBTOTAL		3,994	12,229	--	--
TOTALS		179,289	12,229	328	11,349

3

3

FENCING

STATION	-	STATION	LOCATION	OFFSET	204.0170 REMOVING FENCE LF	616.0100 FENCE WOVEN WIRE 4-FT LF	616.0206 FENCE CHAIN LINK 6-FT LF	616.0329 **GATES CHAIN LINK 8-FT EACH
CAT 0010								
STAGE 1								
470+17	-	552+73	IH 94 'WB'	LT	8,361	-	8,361	-
STAGE SUBTOTAL					8,361	0	8,361	0
STAGE 2								
390+00	-	401+88	IH 94 'EB'	RT	2,990	2,990	-	-
402+24	-	407+18	IH 94 'EB'	RT	645	645	-	-
408+64	-	468+65	IH 94 'EB'	RT	6,163	6,163	-	-
470+80	-	553+27	IH 94 'EB'	RT	8,407	8,407	-	-
STAGE SUBTOTAL					18,205	18,205	0	0
STAGE 3								
256+59	-	262+02	IH 94 'EB'	RT	821	821	-	-
268+27	-	298+79	IH 94 'EB'	RT	3,412	3,412	-	-
256+89	-	264+07	IH 94 'WB'	LT	976	976	-	-
271+26	-	298+87	IH 94 'WB'	LT	3,154	3,154	-	-
STAGE SUBTOTAL					8,363	8,363	0	0
STAGE 4								
300+67	-	353+76	IH 94 'WB'	LT	5,768	5,768	-	-
354+81	-	400+39	IH 94 'WB'	LT	4,670	4,670	-	-
400+75	-	406+67	IH 94 'WB'	LT	762	762	-	-
408+13	-	467+42	IH 94 'WB'	LT	6,152	-	6,152	-
STAGE SUBTOTAL					17,352	11,200	6,152	0
STAGE 5								
300+59	-	353+97	IH 94 'EB'	RT	5,879	5,879	-	-
355+03	-	390+00	IH 94 'EB'	RT	1,994	1,994	-	-
354+23			IH 94 'EB'	131' RT	-	-	-	2
STAGE SUBTOTAL					7,873	7,873	0	2
TOTALS					60,154	45,641	14,513	2

** NOTE: FENCING ADJACENT TO GATE IS WOVEN WIRE.
GATE POSTS AND ALL OTHER GATE COMPONENTS ARE INCIDENTAL TO THIS ITEM.

CULVERT PIPE DELINEATORS AND MARKERS

STATION	LOCATION	204.0180* REMOVING DELINEATORS AND MARKERS EACH	633.5200 MARKERS CULVERT END EACH	COMMENT
CAT 0010				
256+88	IH 94 EB	1	-	ABANDONED
257+00	IH 94 EB	-	2	UNDER EB
265+07	IH 94 EB	-	2	RT BACKSLOPE
265+35	IH 94 EB	-	2	UNDER EB & WB
265+78	C RAMP	1	1	UNDER RAMPS C & D
271+99	D RAMP	2	2	UNDER RAMP D
275+32	D RAMP	1	1	UNDER RAMP D
277+89	D RAMP	1	1	UNDER RAMP D
285+24	IH 94 EB	1	3	UNDER EB & WB
295+98	IH 94 EB	2	2	UNDER EB
298+63	IH 94 EB	1	1	FROM BRIDGE
304+35	IH 94 EB	2	2	UNDER EB & WB
315+46	IH 94 EB	2	3	UNDER EB & WB
325+15	IH 94 EB	2	2	UNDER EB & WB
333+26	IH 94 EB	1	3	UNDER EB & WB
349+92	IH 94 EB	-	2	UNDER EB & WB
349+36	IH 94 EB	-	2	PARALLEL TO EB
350+25	IH 94 EB	-	2	UNDER EB & WB
353+85	IH 94 EB	-	2	UNDER EB
386+84	IH 94 EB	2	2	UNDER EB & WB
393+51	IH 94 EB	1	2	UNDER EB & WB
401+37	IH 94 EB	2	2	PARALLEL TO EB
402+69	IH 94 EB	2	1	P/U FROM BRIDGE
418+70	IH 94 EB	-	1	DITCH INLET
421+12	IH 94 EB	1	2	UNDER EB
436+19	IH 94 EB	2	2	UNDER EB
455+92	IH 94 EB	-	2	UNDER EB
458+20	H RAMP	2	2	UNDER RAMP H
469+70	G RAMP	2	2	RAMP G
470+12	IH 94 EB	2	2	UNDER EB & WB
48330	IH 94 EB	2	-	UNDER EB & WB
503+79	IH 94 EB	2	2	UNDER EB & WB
512+37	IH 94 EB	2	3	UNDER EB & WB
267+62	A RAMP	2	1	UNDER RAMP A
267+63	IH 94 WB	-	2	UNDER WB
(CONTINUED)				

CULVERT PIPE DELINEATORS AND MARKERS

STATION	LOCATION	204.0180* REMOVING DELINEATORS AND MARKERS EACH	633.5200 MARKERS CULVERT END EACH	COMMENT
(CONTINUED)				
270+39	B RAMP	2	1	FROM BACKSLOPE
271+10	A RAMP	2	2	UNDER RAMP A
274+60	A RAMP	1	1	UNDER RAMP A
277+87	A RAMP	2	1	UNDER RAMP A
292+12	IH 94 WB	2	2	FROM BACKSLOPE
309+09	IH 94 WB	2	2	UNDER WB
320+18	IH 94 WB	1	2	UNDER WB
333+77	IH 94 WB	1	2	UNDER WB
346+81	IH 94 WB	2	2	UNDER WB
355+20	IH 94 WB	2	2	UNDER WB
364+00	IH 94 WB	1	2	UNDER WB
264+55	IH 94 WB	2	-	EB BACKSLOPE
270+39	IH 94 WB	2	-	RAMP B
384+09	IH 94 WB	2	2	UNDER WB
394+00	IH 94 WB	2	2	UNDER WB
398+80	IH 94 WB	-	2	UNDER WB
399+95	IH 94 WB	2	-	UNDER WB
400+13	IH 94 WB	2	-	UNDER WB
401+38	IH 94 WB	2	2	PARALLEL TO WB
409+55	IH 94 WB	1	1	UNDER WB
411+05	IH 94 WB	-	2	UNDER WB
413+20	IH 94 WB	-	1	DITCH INLET
421+02	IH 94 WB	2	2	UNDER WB
459+65	E RAMP	2	2	UNDER RAMP E
468+15	IH 94 WB	2	1	FROM STH 93 FLUME
469+97	E RAMP	2	1	PARALLEL TO WB
471+21	IH 94 WB	-	1	UNDER WB
491+00	E RAMP	2	-	ABANDON
499+11	IH 94 WB	1	2	UNDER WB
509+10	IH 94 WB	1	2	UNDER WB
531+00	IH 94 WB	2	-	PARALLEL TO WB
531+82	IH 94 WB	2	2	UNDER WB
27+00	STH 37 NB	1	1	NB RT
13+50	STH 37 NB	2	2	UNDER NB & SB
21+11	STH 37 NB	-	1	NB RT
25+05	STH 37 NB	1	1	NB RT
32+00	STH 37 NB	2	2	UNDER NB & SB
36+40	STH 37 NB	1	1	UNDER SB
37+15	STH 37 NB	2	2	UNDER NB & SB
TOTALS		99	117	

* ADDITIONAL QUANTITIES SHOWN ELSEWHERE

3

EARTHWORK

Division	From/To Station	Location	Common Excavation (1)	(item # 205.0100)	Available Material (4)	Reduced EBS in Fill (5)	Expanded EBS Backfill (6)	Unexpanded Fill	Expanded Fill (7)	Mass Ordinate +/- (8)	Waste	Borrow
			Cut (2)	EBS Excavation (3)		Factor 0.80	Factor 1.30		Factor 1.20			(item #208.0100)
1	454'WB'+36 to 533'WB'+95	IH 94 Westbound	31,118	1,159	31,118	927	1,507	1,333	487	30,631		
1	375'EB'+35 to 389'EB'+79	Temporary Crossover East of CTH F	809	0	809	0	0	721	865	-56		
1	75+50 to 90+50	Temporary Crossover West of STH 93	391	0	391	0	0	2,032	2,439	-2,048		
1	534'EB'+21 Tto 549'EB'+05	Temporary Crossover West of USH 53	1,455	0	1,455	0	0	960	1,152	303		
1	50+50 to 60+75	Temporary Crossover Ramp 'F'	252	0	252	0	0	809	971	-719		
1	120+25 to 132+25	Temporary Crossover Ramp 'H'	418	0	418	0	0	1,532	1,839	-1,421		
Division 1 Subtotal			34,443	1,159	34,443	927	1,507	7,388	7,753	26,690	26,690	0
2	400'EB'+00 to 415'EB'+75	IH 94 Eastbound	3,447	0	3,447	0	0	684	821	2,626		
2	448'EB'+00 to 534'EB'+15	IH 94 Eastbound	28,426	257	28,426	205	334	3,292	3,704	24,722		
Division 2 Subtotal			31,873	257	31,873	205	334	3,977	4,526	27,348	27,348	0
3	256'EB'+74 to 291'EB'+50	IH 94 Eastbound	16,343	2,091	16,343	1,673	2,718	2,541	1,043	15,300		
3	257'WB'+05 to 295'WB'+50	IH 94 Westbound	19,822	1,587	19,822	1,269	2,063	526	-892	20,714		
3	256'EB'+74 to 417'EB'+00	Shoulder Replacement/Widening	10,370	0	10,370	0	0	3,241	3,889	6,481		
3	268'A'+53 to 277'A'+60	Ramp 'A'	3,244	172	3,244	138	224	25	-135	3,379		
3	264'B'+85 to 278'B'+30	Ramp 'B'	4,736	155	4,736	124	202	13	-133	4,869		
3	265'C'+48 to 275'C'+96	Ramp 'C'	3,652	171	3,652	137	222	35	-122	3,774		
3	268'D'+83 to 277'D'+60	Ramp 'D'	3,213	142	3,213	114	185	7	-128	3,341		
3	23'NB'+50 to 25'NB'+50 and 35'NB'+00 to 37'NB'+00	STH 37 Northbound	2,344	0	2,344	0	0	0	0	2,344		
3	280'EB'+42 to 298'EB'+71	Temporary Crossover East of STH 37	3,363	0	3,363	0	0	170	203	3,160		
3	300'EB'+60 to 469'EB'+80	IH 94 Temporary Eastbound Widening	22,522	0	22,522	0	0	19,750	23,700	-1,177		
3	471'EB'+27 to 487'EB'+44	Temporary Crossover East of STH 93	2,314	0	2,314	0	0	232	278	2,035		
3	375'EB'+35 to 389'EB'+79	Temporary Crossover East of CTH F (Removal)	721	0	721	0	0	0	0	721		
3	75+50 to 90+50	Temporary Crossover West of STH 93 (Removal)	2,032	0	2,032	0	0	0	0	2,032		
3	50+50 to 60+75	Temporary Crossover Ramp 'F' (Removal)	809	0	809	0	0	0	0	809		
3	120+25 to 132+25	Temporary Crossover Ramp 'H' (Removal)	1,532	0	1,532	0	0	0	0	1,532		
Division 3 Subtotal			97,018	4,317	97,018	3,454	5,613	26,540	27,703	69,315	69,315	0
4	307'WB'+00 to 353'WB'+59	IH 94 Westbound	23,639	747	23,639	597	971	65	-639	24,278		
4	355'WB'+03 to 406'WB'+60	IH 94 Westbound	21,094	711	21,094	569	924	1,446	1,053	20,041		
4	408'WB'+31 to 454'WB'+36	IH 94 Westbound	20,219	652	20,219	521	847	2,591	2,483	17,736		
4	8'NB'+05 to 40'NB'+00	STH 37 Northbound	12,789	0	12,789	0	0	491	589	12,201		
Division 4 Subtotal			77,741	2,109	77,741	1,687	2,742	4,593	3,486	74,255	74,255	0
5	322'EB'+00 to 353'EB'+70	IH 94 Eastbound	10,832	54	10,832	44	71	12	-38	10,869		
5	355'EB'+17 to 400'EB'+00	IH 94 Eastbound	11,776	985	11,776	788	1,280	331	-549	12,325		
5	415'EB'+75 to 448'EB'+00	IH 94 Eastbound	8,646	428	8,646	342	556	239	-124	8,770		
5	8'NB'+05 to 40'NB'+00	STH 37 Southbound	11,836	0	11,836	0	0	1,181	1,417	10,419		
Division 5 Subtotal			43,090	1,467	43,090	1,174	1,907	1,763	707	42,384	42,384	0

3

EARTHWORK

Division	From/To Station	Location	Common Excavation (1) (item # 205.0100)		Available Material (4)	Reduced EBS in Fill (5)	Expanded EBS Backfill (6)	Unexpanded Fill	Expanded Fill (7)	Mass Ordinate +/- (8)	Waste	Borrow
			Cut (2)	EBS Excavation (3)		Factor 0.80	Factor 1.30		Factor 1.20			(item #208.0100)
6	287'EB'+00 to 291'EB'+00	IH 94 Eastbound	702	0	702	0	0	139	166	536		
6	291'EB'+50 to 307'EB'+00	IH 94 Median and Shoulders	3,239	0	3,239	0	0	5,427	6,512	-3,273		
6	307'EB'+00 to 353'EB'+70	IH 94 Eastbound	13,844	544	13,844	436	708	1	-522	14,365		
6	355'EB'+17 to 406'EB'+98	IH 94 Eastbound	7,071	0	7,071	0	0	366	439	6,632		
6	408'EB'+69 to 483'EB'+00	IH 94 Eastbound	10,515	0	10,515	0	0	773	927	9,588		
6	281'WB'+00 to 295'WB'+50	IH 94 Westbound	2,348	0	2,348	0	0	392	470	1,878		
6	307'WB'+00 to 353'WB'+59	IH 94 Westbound	2,907	0	2,907	0	0	157	189	2,718		
6	355'WB'+03 to 404'WB'+00	IH 94 Westbound	2,087	0	2,087	0	0	0	0	2,086		
6	410'WB'+00 to 489'WB'+00	IH 94 Westbound	3,873	0	3,873	0	0	671	805	3,068		
6	40'NB'+00 to 46'NB'+00	STH 37 Median and Outside Shoulder	700	0	700	0	0	741	889	-189		
6	280'EB'+42 to 298'EB'+71	Temporary Crossover East of STH 37 (Removal)	170	0	170	0	0	0	0	170		
6	300'EB'+60 to 469'EB'+80	IH 94 Temporary Eastbound Widening (Removal)	21,767	0	21,767	0	0	5,221	6,266	15,502		
6	471'EB'+27 to 487'EB'+44	Temporary Crossover East of STH 93 (Removal)	232	0	232	0	0	0	0	232		
6	534'EB'+21 Tto 549'EB'+05	Temporary Crossover West of USH 53 (Removal)	960	0	960	0	0	0	0	960		
Division 6 Subtotal			70,415	544	70,415	436	708	13,887	16,142	54,273	54,273	0
	Undistributed		0	1,800	0	1,440	2,340	0	-1,728	1,728		
			0	1,800	0	1,440	2,340	0	-1,728	1,728	1,728	0
Grand Total			351,134	11,654	354,581	9,323	15,150	58,146	58,588	295,993	295,993	0
			Total Common Exc	362,787								

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) Available Material = Cut - Salvaged/Unusuable Pavement Material
5) Reduced EBS in Fill - Excavated EBS material is usuable in Fills outside the 1:1 slope. EBS in Fill Reduction factor = 0.8
6) Expanded EBS Backfill - This is to be filled with Select Borrow material. EBS Backfill Factor = 1.3. Item number 208.11
7) Expanded Fill Factor = 1.20

Expanded Fill = (Unexpanded Fill - Rock* Rock Factor - Reduced Marsh - Reduced EBS) * Fill Factor

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.

PREPARE FOUNDATION ITEMS

STATION - STATION	LOCATION	211.0400 PREPARE FOUNDATION FOR ASPHALTIC SHOULDERS STA	SPV.0090.01* REGRADE DITCH LF
CAT 0010			
STAGE 2			
458'E'+00 - 469'E'+00	RT	11	--
458'E'+00 - 469'E'+00	LT	11	--
469'F'+00 - 479'F'+00	RT	10	--
469'F'+00 - 479'F'+00	LT	10	--
469'G'+00 - 480'G'+00	RT	11	--
469'G'+00 - 480'G'+00	LT	11	--
457'H'+00 - 470'H'+00	RT	13	--
457'H'+00 - 470'H'+00	LT	13	--
STAGE 2 SUBTOTALS		90	
STAGE 6			
40'SB'+00 - 46'SB'+00	LT	6	600
40'NB'+00 - 46'NB'+00	LT	6	--
291'EB'+00 - 299'EB'+00	RT	8	717
291'EB'+00 - 299'EB'+00	LT	8	--
300'EB'+00 - 307'EB'+00	RT	7	642
300'EB'+00 - 307'EB'+00	LT	7	--
534'WB'+00 - 549'WB'+00	LT	15	1,491
534'EB'+00 - 546'EB'+00	LT	12	--
STAGE 6 SUBTOTALS		69	3,450
TOTALS		159	3,450

* ADDITIONAL QUANTITIES SHOWN ELSEWHERE

BASE AGGREGATE ITEMS

STATION - STATION	LOCATION	305.0110* BASE AGGREGATE DENSE 3/4-INCH TON	305.0120* BASE AGGREGATE DENSE 1 1/4-INCH TON	COMMENTS
CAT 0010				
STAGE 1				
454'WB'+36 - 458'WB'+35	LT & RT	90	725	
458'WB'+35 - 467'WB'+58	LT & RT	370	2,555	
468'WB'+50 - 471'WB'+25	LT & RT	120	805	
471'WB'+25 - 472'WB'+78	LT & RT	75	460	
472'WB'+78 - 478'WB'+97	LT & RT	250	1,715	
478'WB'+97 - 480'WB'+86	LT & RT	90	795	
480'WB'+86 - 488'WB'+63	LT & RT	360	2,450	
488'WB'+63 - 499'WB'+73	LT & RT	445	3,070	
499'WB'+73 - 522'WB'+95	LT & RT	1070	6,940	
522'WB'+95 - 533'WB'+95	LT & RT	445	3,040	
STAGE 1 SUBTOTALS		3,315	22,555	
STAGE 2				
400'EB'+00 - 402'EB'+25	RT	45	480	
402'EB'+25 - 404'EB'+21	RT	50	420	
404'EB'+21 - 406'EB'+96	RT	40	655	
408'EB'+76 - 411'EB'+81	RT	45	725	
411'EB'+81 - 415'EB'+75	LT & RT	165	1,115	
448'EB'+13 - 455'EB'+38	LT & RT	335	2,290	
455'EB'+38 - 457'EB'+36	LT & RT	95	835	
457'EB'+38 - 465'EB'+72	LT & RT	350	2,360	
465'EB'+72 - 467'EB'+25	LT & RT	75	460	
467'EB'+25 - 470'EB'+25	LT & RT	130	895	
470'EB'+25 - 479'EB'+79	LT & RT	400	2,700	
479'EB'+79 - 482'EB'+70	LT & RT	135	1,225	
482'EB'+70 - 499'EB'+69	LT & RT	780	5,355	
499'EB'+69 - 521'EB'+21	LT & RT	990	6,445	
521'EB'+21 - 534'EB'+15	LT & RT	540	3,660	
531'EB'+06- 531'EB'+81	LT & RT	10	155	MAINTENANCE CROSSOVER
STAGE 2 SUBTOTALS		4,185	29,775	
STAGE 3				
256'EB'+73 - 258'EB'+28	LT & RT	75	465	
258'EB'+28 - 260'EB'+00	LT & RT	75	490	
260'EB'+00 - 265'EB'+25	LT & RT	245	1,765	
267'EB'+16 - 268'EB'+10	LT & RT	45	390	
268'EB'+10 - 275'EB'+94	LT & RT	330	2,220	
275'EB'+94 - 277'EB'+89	LT & RT	90	845	
277'EB'+89 - 290'EB'+93	LT & RT	600	4,380	
290'EB'+93 - 291'EB'+50	LT & RT	30	175	
256'WB'+88 - 265'WB'+33	LT & RT	410	2,880	
267'WB'+22 - 268'WB'+56	LT & RT	35	475	

(CONTINUED)

BASE AGGREGATE ITEMS

STATION - STATION	LOCATION	305.0110* BASE AGGREGATE DENSE 3/4-INCH TON	305.0120* BASE AGGREGATE DENSE 1 1/4-INCH TON	COMMENTS
(CONTINUED)				
268'WB'+56 - 278'WB'+30	LT & RT	395	2,695	
278'WB'+30 - 280'WB'+03	LT & RT	80	750	
280'WB'+03 - 288'WB'+28	LT & RT	380	2,775	
288'WB'+28 - 295'WB'+50	LT & RT	335	2,165	
268'A'+53 - 272'A'+50	LT & RT	15	420	
272'A'+50 - 277'A'+60	LT & RT	--	420	
264'B'+79 - 267'B'+40	LT & RT	90	550	
267'B'+40 - 270'B'+25	LT & RT	10	300	
270'B'+25 - 278'B'+30	LT & RT	95	1,375	
264'B'+04 - 264'B'+79	LT & RT	--	310	MAINTENANCE CROSSOVER
265C'+48 - 270'C'+14	LT & RT	65	885	
270'C'+14 - 271'C'+00	LT & RT	10	145	
271'C'+00 - 274'C'+00	LT & RT	10	335	
274'C'+00 - 275'C'+96	LT & RT	25	330	
268'D'+83 - 273'D'+46	LT & RT	20	515	
273'D'+46 - 277'D'+60	LT & RT	--	720	
264'C'+75 - 265'C'+48	LT & RT	--	310	MAINTENANCE CROSSOVER
STAGE 3 SUBTOTALS		3,465	29,085	
STAGE 4				
307'WB+00 - 337'WB'+49	LT & RT	1,405	9,110	
337'WB'+49 - 349'WB+69	LT & RT	490	3,375	
349'WB'+69 - 351'WB'+38	LT & RT	80	505	
351'WB'+38 - 353'WB'+80	LT & RT	120	780	
354'WB'+87 - 357'WB'+51	LT & RT	130	850	
357'WB'+51 - 383'WB'+29	LT & RT	1,185	7,705	
383'WB'+29 - 397'WB'+45	LT & RT	570	3,915	
397'WB'+45 - 399'WB'+85	LT & RT	115	720	
399'WB'+85 - 401'WB'+50	LT & RT	70	495	
401'WB'+50 - 404'WB'+11	LT & RT	120	780	
404'WB'+11 - 406'WB'+73	LT & RT	100	1,025	
408'WB'+18 - 410WB'+56	LT & RT	90	930	
410'WB'+56 - 422'WB'+96	LT & RT	570	3,705	
422'WB'+96- 436'WB'98	LT & RT	565	3,875	
436'WB'+98 - 442'WB'+74	LT & RT	265	1,725	
442'WB'+74 - 454'WB'+36	LT & RT	535	3,905	
8'NB'+04 - 11'NB'+82	LT & RT	50	1,300	
11'NB'+82 - 17'NB'+71	LT & RT	180	1,335	
17'NB'+71 - 19'NB'+65	LT & RT	25	480	
19'NB'+65 - 21'NB'+01	LT & RT	30	375	
21'NB'+01 - 23'NB'+53	LT & RT	40	770	INTERSECTION
23'NB'+53 - 25'NB'+72	LT & RT	--	225	
25'NB'+72 - 29'NB'+00	LT & RT	40	645	
29'NB'+00 - 31'NB'+25	LT & RT	--	265	
(CONTINUED)				

BASE AGGREGATE ITEMS

STATION - STATION	LOCATION	305.0110* BASE AGGREGATE DENSE 3/4-INCH TON	305.0120* BASE AGGREGATE DENSE 1 1/4-INCH TON	COMMENTS
(CONTINUED)				
31'NB'+25 - 35'NB'+86	LT & RT	55	910	
35'NB'+76 - 36'NB'+28	LT & RT	--	100	INTERSECTION
36'NB'+28 - 39'NB'+31	LT & RT	45	560	
39'NB'+31 - 40'NB'+00	LT & RT	25	160	
STAGE 4 SUBTOTALS		6,900	50,525	
STAGE 5				
322'EB'+00 - 353'EB'+88	RT	755	6,820	
355'EB'+00 - 394'EB'+93	RT	715	7,650	
394'EB'+93 - 397'EB'+00	RT	50	445	
394'EB'+93 - 397'EB'+00	RT	50	445	
397'EB'+00 - 400'EB'+00	LT & RT	140	610	USE BAD 1-1/4 FROM TEMP FOR MAINLINE BASE
415'EB'+75 - 418'EB'+75	LT & RT	125	545	USE BAD 1-1/4 FROM TEMP FOR MAINLINE BASE
418'EB'+75 - 448'EB'+13	RT	525	5,630	
8'SB'+08 - 11'SB'+87	LT & RT	50	850	
11'SB'+87 - 17'SB'+75	LT & RT	175	1,520	
17'SB'+75 - 23'SB'+55	LT & RT	65	1,045	
23'SB'+55 - 24'SB'+60	LT & RT	--	330	INTERSECTION
24'SB'+55 - 25'SB'+73	LT & RT	15	395	
25'SB'+73 - 27'SB'+26	LT & RT	20	445	
27'SB'+26 - 28'SB'+27	LT & RT	15	245	
28'SB'+27 - 29'SB'+40	LT & RT	15	250	
29'SB'+40 - 31'SB'+50	LT & RT	--	480	
31'SB'+50 - 35'SB'+76	LT & RT	55	995	
35'SB'+76 - 36'SB'+31	LT & RT	10	120	
36'SB'+31 - 38'SB'+00	LT & RT	20	415	
38'SB'+00 - 39'SB'+31	LT & RT	20	295	
39'SB'+31 - 40'SB'+00	LT & RT	25	180	
40'SB'+00 - 42'SB'+03	LT	50	260	
STAGE 5 SUBTOTALS		2,895	29,970	
STAGE 6				
291'EB'+50 - 297'EB'+50	LT & RT	280	--	RESTORE SHLD
297'EB'+50 - 298'EB'+70	LT & RT	45	--	RESTORE SHLD
300'EB'+60 - 302'EB'+70	LT & RT	85	--	RESTORE SHLD
302'EB'+70 - 307'EB'+00	LT & RT	175	--	RESTORE SHLD
307'EB'+00 - 308'EB'+06	LT & RT	50	320	
308'EB'+06 - 308'EB'+66	LT	15	185	MAINTENANCE CROSSOVER
308'EB'+06 - 308'EB'+66	RT	15	130	
308'EB'+66 - 322'EB'+00	LT & RT	615	3,995	
322'EB'+00 - 350'EB'+66	LT	645	2,455	
350'EB'+66 - 353'EB'+90	LT	50	525	
354'EB'+94 - 358'EB'+00	LT	50	495	
358'EB'+00 - 405'EB'+00	LT	1,055	4,025	
405'EB'+73 - 406'EB'+98	LT	30	170	
408'EB'+63 - 411'EB'+81	LT	70	430	
(CONTINUED)				

BASE AGGREGATE ITEMS

STATION - STATION	LOCATION	305.0110* BASE AGGREGATE DENSE 3/4-INCH TON	305.0120* BASE AGGREGATE DENSE 1 1/4-INCH TON	COMMENTS
(CONTINUED)				
411'EB'+81 - 433'EB'+41	LT	485	1,850	
433'EB'+41 - 434'EB'+46	LT	30	380	MAINTENANCE CROSSOVER
434'EB'+46 - 448'EB'+13	LT	310	1,170	
533'WB'+96 - 548'WB'+84	RT	270	--	RESTORE SHLD
534'EB'+18 - 545'EB'+22	LT	200	--	RESTORE SHLD
40'SB'+17 - 45'SB'+58	RT	110	--	RESTORE SHLD
40'NB'+00 - 46'NB'+00	LT	120	--	RESTORE SHLD
STAGE 6 SUBTOTALS		4,705	16,130	
UNDISTRIBUTED				
PROJECT		2,547	17,804	
TOTALS		28,012	195,844	

* ADDITIONAL QUANTITIES SHOWN ELSEWHERE

CONCRETE PAVEMENT ITEMS

STATION - STATION	LOCATION	SPV.0180.01 CONCRETE PAVEMENT 9-INCH, SPECIAL SY	SPV.0180.02 CONCRETE PAVEMENT 10-INCH, SPECIAL SY	SPV.0180.03 CONCRETE PAVEMENT 12-INCH, SPECIAL SY	416.0410 CONCRETE PAVEMENT APPROACH SLAB SY	416.0610 DRILLED TIE BARS EACH
CAT 0010						
STAGE 1						
454'WB'+36 to 470'WB'+00	LT	--	--	4,495	--	--
470'WB+00 to 480'WB'+00	LT	--	--	3,060	--	--
480'WB+00 to 496'WB+00	LT	--	--	5,573	--	--
496'WB'+00 to 512'WB'+00	LT	--	--	4,622	--	--
512'WB'+00 to 533'WB'+95	LT	--	--	6,336	--	13
STAGE 1 SUBTOTALS		--	--	24,086	--	13
STAGE 2						
454'E'+37 to 458'E'+33	RT	--	--	816	--	--
400'EB'+00 to 406'EB'+69	RT	--	--	1965	--	--
408'EB'+69 to 415'EB'+75	RT	--	--	1975	--	--
448'EB'+13 to 457'EB'+25	RT	--	--	3711	--	--
457'EB'+25 to 470'EB+00	RT	--	--	3682	--	--
470'EB'+00 to 479'EB'+75	RT	--	--	2822	--	--
479'EB'+75 to 499'EB'+69	RT	--	--	5755	--	--
479'G'+81 to 499'EB'+69	LT & RT	--	--	2456	--	--
499'EB'+69 to 512'EB'+00	RT	--	--	3557	--	--
512'EB'+00 to 534'EB'+15	RT	--	--	6406	--	13
STAGE 2 SUBTOTALS		--	--	33,143	--	13
(CONTINUED)						

CONCRETE PAVEMENT ITEMS

STATION - STATION	LOCATION	SPV.0180.01 CONCRETE PAVEMENT 9-INCH, SPECIAL SY	SPV.0180.02 CONCRETE PAVEMENT 10-INCH, SPECIAL SY	SPV.0180.03 CONCRETE PAVEMENT 12-INCH, SPECIAL SY	416.0410 CONCRETE PAVEMENT APPROACH SLAB SY	416.0610 DRILLED TIE BARS EACH
(CONTINUED)						
STAGE 3						
256'WB'+88 to 265'WB'+14	LT	--	--	2,960	--	13
256'EB'+58 to 265'EB'+08	RT	--	--	2,962	--	13
265'WB'+14 to 265'WB'+33	LT & RT	--	--	21	73	--
267'WB'+22 to 267'WB'+38	LT & RT	--	--	17	78	--
267'WB'+38 to 278'WB'+30	LT	--	--	3,151	--	--
267'EB'+31 to 275'EB'+94	RT	--	--	2,484	--	--
278'WB'+30 to 295'WB'+50	LT	--	--	4,969	--	13
275'EB'+94 to 291'EB'+50	RT	--	--	5,220	--	13
267'A'+19 to 268'A'+52	RT	--	--	227	--	--
267'D'+16 to 268'D'+82	LT	--	--	409	--	--
278'B'+31 to 288'WB'+27	LT & RT	--	--	1,222	--	--
275'C'+96 to 287'C'+92	LT	--	--	1,130	--	--
268'A'+52 to 278'A'+30	RT	2,046	--	--	--	--
268'D'+82 to 278'D'+37	LT	2,323	--	--	--	--
264'B'+08 to 278'B'+31	RT	2,975	--	--	--	--
264'C'+76 to 275'C'+96	LT	2,339	--	--	--	--
STAGE 3 SUBTOTALS		9,683	--	24,772	151	52
STAGE 4						
8'NB'+04 to 21'NB'+13	LT & RT	--	4,170	--	--	10
21'NB'+13 to 29'NB'+52	LT & RT	--	3,731	--	--	--
29'NB'+52 to 31'NB'+05	RT	--	408	--	--	--
31'NB'+05 to 40'NB'+00	LT & RT	--	3,439	--	--	11
307'WB'+00 to 353'WB'+60	LT	--	--	13,456	--	13
353'WB'+60 to 353'WB'+80	LT & RT	--	--	27	52	--
354'WB'+87 to 355'WB'+03	LT & RT	--	--	29	53	--
355'WB'+03 to 406'WB'+53	LT	--	--	14,879	--	--
408'WB'+33 to 434'WB'+15	LT	--	--	7,478	--	--
434'WB'+15 to 454'WB'+36	LT	--	--	7,054	--	--
STAGE 4 SUBTOTALS		--	11,748	42,923	104	34
STAGE 5						
8'SB'+09 to 21'SB'+17	LT	--	3,496	--	--	10
21'SB'+17 to 29'SB+58	LT & RT	--	4,534	--	--	14
29'SB'+58 to 31'SB'+10	LT & RT	--	607	--	--	--
31'SB'+10 to 40'SB'+00	LT & RT	--	3,578	--	--	12
322'EB'+00 to 353'EB'+70	RT	--	--	9,193	--	--
355'EB'+18 to 400'EB'+00	RT	--	--	12,954	--	--
415'EB'+75 to 448'EB'+13	RT	--	--	9,353	--	--
STAGE 5 SUBTOTALS		--	12,215	31,501	--	36
STAGE 6						
307'EB'+00 to 322'EB'+00	LT & RT	--	--	4,327	--	13
STAGE 6 SUBTOTALS		--	--	4,327	--	13
TOTALS		9,683	23,963	160,751	255	161

CONCRETE SURFACE DRAINS

STATION	-	STATION	LOCATION		416.1010 CONCRETE SURFACE DRAINS CY	465.0315 ASPHALTIC FLUMES SY	645.0130* GEOTEXTILE FABRIC TYPE R SY	204.0185* REMOVING MASONRY CY	690.025* SAWING CONCRETE LF	COMMENT
CAT 0010										
STAGE 1										
499+08	-	499+79	IH 94 WB	LT - DITCH	8	-	82	8	10	REPLACE EXISTNG SURFACE DRAIN
512+84	-	512+95	IH 94 WB	LT - DITCH	2	-	19	2	30	REPLACE EXISTNG SURFACE DRAIN
STAGE 1 SUBTOTALS					10	0	101	10	40	
STAGE 2										
405+86	-	406+88	IH 94'EB	RT - DITCH	11	-	104	78	10	REPLACE EXISITNG CONC. FLUME / REMOVE
521+21	-	521+81	IH 94 EB	RT - DITCH	7	-	69	7	20	REPLACE EXISITNG CONC. FLUME
STAGE 2 SUBTOTALS					18	0	173	85	30	
STAGE 3										
266+00	-	268+40	STH 37 RAMP B	NE QUAD.	28	-	255	28	10	REMOVE AND REPLACE EXISTING FLUME
264+52			STH 37 RAMP B	NE QUAD.	-	10	-	-	-	CONSTRUCT ASPHALTIC FLUME
265+25			STH 37 RAMP C	RT - INSLOPE	-	10	-	-	-	CONSTRUCT ASPHALTIC FLUME
284+55	-	285+16	IH 94 EB	RT-DITCH	8	-	75	-	10	REMOVE AND REPLACE EXISTING FLUME
17+71			STH 37 NB	LT-MEDIAN	-	7	-	-	-	CONSTRUCT ASPHALTIC FLUME
23+24			STH 37 NB	RT-RAMP C RADIUS	-	12	-	-	-	CONSTRUCT ASPHALTIC FLUME
23+83			STH 37 NB	RT-RAMP C RADIUS	-	12	-	-	-	CONSTRUCT ASPHALTIC FLUME
28+96			STH 37 NB	RT-DITCH	-	8	-	-	-	CONSTRUCT ASPHALTIC FLUME
35+12			STH 37 NB	RT- RAMP A RADIUS	-	8	-	-	-	CONSTRUCT ASPHALTIC FLUME
36+52			STH 37 NB	RT-RAMP B RADIUS	-	1	-	-	-	CONSTRUCT ASPHALTIC FLUME
STAGE 3 SUBTOTALS					36	69	330	28	20	
STAGE 5										
17+75			STH 37 SB	RT-MEDIAN	-	6	-	-	-	CONSTRUCT ASPHALTIC FLUME
24+03			STH 37 SB	LT RADIUS	-	9	-	-	-	CONSTRUCT ASPHALTIC FLUME
24+33			STH 37 SB	LT RADIUS	-	9	-	-	-	CONSTRUCT ASPHALTIC FLUME
29+36			STH 37 SB	LT-DITCH	-	9	-	-	-	CONSTRUCT ASPHALTIC FLUME
STAGE 5 SUBTOTALS					0	32	0	0	0	
TOTALS					64	102	604	123	90	

*** ADDITIONAL QUANTITIES SHOWN ELSEWHERE**

RUMBLE STRIPS

STATION - STATION	CONCRETE RUMBLE STRIPS SHOULDER OFFSET	416.1110 CONCRETE RUMBLE STRIPS SHOULDER LF	ASPHALTIC SHOULDER RUMBLE STRIPS OFFSET	465.0400 ASPHALTIC SHOULDER RUMBLE STRIPS LF
CAT 0010				
STAGE 1				
454'WB'+37 to 458'WB'+10		--	RT	398
458'WB'+10 to 470'WB'+00	LT	1,165	RT	1,165
470'WB'+00 to 478'WB'+97	LT	897	RT	897
478'WB'+97 to 498'WB'+00	LT	1,809	RT	1,903
498'WB'+00 to 516'WB'+00	LT	1,799	RT	1,800
516'WB'+00 to 533'WB+95	LT	1,792	RT	1,796
STAGE 1 SUBTOTALS		7,463		7,959
STAGE 2				
400'EB'+00 - 407'EB'+03	RT	702		--
408'EB'+74 - 415'75'+00	RT	902		--
448'EB'+13 to 457'EB'+37	RT	--	LT	924
457'EB'+37 to 469'EB'+00	RT	1,163	LT	1164
469'EB'+00 to 479'EB'+80	RT	1,080	LT	1080
479'EB'+80 to 488'EB'+70	RT	--	LT	890
482'EB'+75 to 512'EB'+00	RT	2,930	LT	2330
512'EB'+00 to 534'EB'+15	RT	2,219	LT	2,215
STAGE 2 SUBTOTALS		8,996		8,602
STAGE 3				
256'WB'+88 to 265'WB'+33	LT	842	RT	845
267'WB'+22 to 268'WB'+56	LT	--	RT	134
268'WB'+56 to 278'WB'+30	LT	974	RT	974
278'WB'+30 to 288'WB'+27	LT	--	RT	997
288'WB'+27 to 295'WB'+50	LT	1,549	RT	723
256'EB'+58 to 265'EB'+25	RT	867	LT	867
267'EB'+16 to 268'EB'+85	RT	--	LT	169
268'EB'+85 to 275'EB'+94	RT	709	LT	709
275'EB'+94 to 284'EB'+89	RT	--	LT	795
284'EB'+89 to 291'EB'+50	RT	1,361	LT	761
STAGE 3 SUBTOTALS		6,302		6,974
STAGE 4				
307'WB'+00 to 325'WB'+30	LT	1,834	RT	1,830
325'WB'+30 to 344'WB'+44	LT	1,905	RT	1,914
344'WB'+44 to 353'WB'+80	LT	916	RT	916
354'WB'+83 to 375'WB'+36	LT	2,034	RT	2,034
375'WB'+36 to 389'WB'+64	LT	1,418	RT	1,428
389'WB'+64 to 406'WB'+73	LT	1,691	RT	1,696
408'WB'+17 to 434'WB'+15	LT	2,585	RT	2,582
434'WB'+15 to 455'WB'+17	LT	2,103	RT	2,022
STAGE 4 SUBTOTALS		14,487		14,422
(CONTINUED)				

RUMBLE STRIPS

STATION - STATION	CONCRETE RUMBLE STRIPS SHOULDER OFFSET	416.1110 CONCRETE RUMBLE STRIPS SHOULDER LF	ASPHALTIC SHOULDER RUMBLE STRIPS OFFSET	465.0400 ASPHALTIC SHOULDER RUMBLE STRIPS LF
(CONTINUED)				
STAGE 5				
322'EB'+00 to 344'EB'+42	RT	2,251		--
344'EB'+42 to 353'EB'+90	RT	943		--
354'EB'+94 to 375'EB'+35	RT	2,021		--
375'EB'+35 to 389'EB'+84	RT	1,458		--
389'EB'+84 to 400'EB'+00	RT	1,015		--
415'EB'+75 to 430'EB'+00	RT	1,225		--
403'EB'+00 to 448'EB'+13	RT	2,643		--
STAGE 5 SUBTOTALS		11,557		--
STAGE 6				
291'EB'+50 to 298'EB'+73	RT	722		721
300'EB'+60 to 307'EB'+00	RT	641		640
307'EB'+00 to 322'EB'+00	RT	1,496		1,500
322'EB'+00 to 344'EB'+42		--	LT	2,242
344'EB'+42 to 353'EB'+90		--	LT	936
354'EB'+94 to 375'EB'+35		--	LT	2,033
375'EB'+35 to 389'EB'+84		--	LT	1,449
389'EB'+84 to 406'EB'+96		--	LT	1,714
408'EB'+80 to 430'EB'+00		--	LT	2,131
403'EB'+00 to 448'EB'+13		--	LT	1,813
STAGE 6 SUBTOTALS		2,859		15,180
TOTALS		51,664		53,137

HMA & ASPHALTIC ITEMS

STATION - STATION	OFFSET	455.0110 ASPHALTIC MATERIAL PG58-34 TON	455.0125 ASPHALTIC MATERIAL PG70-28 TON	455.0145 ASPHALTIC MATERIAL PG64-34P TON	455.0605 TACK COAT GAL	460.1100 HMA PAVEMENT TYPE E-0.3 TON	460.1110 HMA PAVEMENT TYPE E-10 TON
CAT 0010							
STAGE 1							
454'WB'+37 to 458'WB'+38	RT	2	--	--	4	39	--
458'WB'+38 to 470'WB'+70	LT & RT	19	--	--	40	350	--
470'WB'+00 to 480'WB'+00	LT & RT	17	--	--	35	309	--
480'WB'+00 to 496'WB'+00	LT & RT	22	--	--	46	407	--
496'WB'+00 to 512'WB'+00	LT & RT	26	--	--	53	469	--
512'WB'+00 to 523'WB'+99	LT & RT	19	--	--	40	353	--
523'WB'+99 to 533'WB'+95	LT & RT	16	--	--	33	292	--
STAGE 1 SUBTOTALS		122	--	--	252	2,220	--
STAGE 2							
400'EB'+00 to 406'EB'+96	LT & RT	12	--	--	25	224	--
408'EB'+86 to 415'EB'+75	LT & RT	12	--	--	24	212	--
457'H'+34 to 469'H'+26	LT & RT	--	32	32	88	--	1,167
458'E'+33 to 468'E'+67	LT & RT	--	24	24	66	--	876
468'F'+99 to 479'F'+00	LT & RT	--	26	26	73	--	959
469'G'+76 to 479'G'+82	LT & RT	--	23	23	64	--	850
454'E'+37 to 458'E'+38	LT & RT	4	--	--	9	80	--
448'EB'+13 to 457'EB'+37	LT & RT	12	--	--	24	215	--
457'EB'+37 to 470'EB'+00	LT & RT	21	--	--	44	386	--
470'EB'+00 to 479'EB'+75	LT & RT	16	--	--	33	288	--
479'EB'+75 to 499'EB'+69	LT & RT	28	--	--	58	512	--
499'EB'+69 to 512'EB'+00	LT & RT	20	--	--	41	361	--
512'EB'+00 to 521'EB'+36	LT & RT	15	--	--	31	275	--
521'EB'+36 to 534'EB'+15	LT & RT	23	--	--	48	421	--
STAGE 2 SUBTOTALS		164	106	106	630	2,973	3,851
STAGE 3							
268'A'+52 to 272'A'+50	RT	1	--	--	4	23	--
267'B'+42 to 270'B'+25	LT	1	--	--	4	26	--
270'B'+25 to 278'B'+31	LT & RT	9	--	--	25	162	--
266'C'+00 to 270'C'+06	RT	2	--	--	5	35	--
270'C'+06 to 275'C'+97	LT & RT	3	--	--	9	60	--
268'D'+82 to 273'D'+52	LT	2	--	--	4	28	--
257'WB'+04 to 265'WB'+14	LT & RT	11	--	--	24	208	--
267'WB'+38 to 278'WB'+30	LT & RT	18	--	--	37	326	--
278'WB'+30 to 288'WB'+27	LT & RT	18	--	--	37	326	--
288'WB'+27 to 295'WB'+50	LT & RT	12	--	--	24	212	--
256'EB'+73 to 265'EB'+08	LT & RT	13	--	--	28	243	--
267'EB'+16 to 275'EB'+69	LT & RT	14	--	--	28	246	--
275EB'+69 to 28'EB'+00	LT & RT	7	--	--	15	129	--
281'EB'+00 to 287'EB'+94	LT & RT	11	--	--	23	205	--
287'EB'+94 to 291'EB'+50	LT & RT	6	--	--	12	104	--
STAGE3 SUBTOTALS		128	--	--	278	2,333	--
(CONTINUED)							

HMA & ASPHALTIC ITEMS

STATION - STATION	OFFSET	455.0110 ASPHALTIC MATERIAL PG58-34 TON	455.0125 ASPHALTIC MATERIAL PG70-28 TON	455.0145 ASPHALTIC MATERIAL PG64-34P TON	455.0605 TACK COAT GAL	460.1100 HMA PAVEMENT TYPE E-0.3 TON	460.1110 HMA PAVEMENT TYPE E-10 TON
(CONTINUED)							
STAGE 4							
8'NB'+04 to 11'NB'+82	RT	4	--	--	8	67	--
11'NB'+82 to 21'NB'+13	LT & RT	15	--	--	31	273	--
27'NB'+31 to 32'NB'+54	RT	3	--	--	7	58	--
39'NB'+20 to 40'NB'+00	LT & RT	1	--	--	1	9	--
307'WB'+00 to 325'WB'+30	LT & RT	30	--	--	61	538	--
325'WB'+30 to 344'WB'+44	LT & RT	31	--	--	64	561	--
344'WB'+44 to 353'WB'+60	LT & RT	15	--	--	32	280	--
355'WB'+03 to 375'WB'+36	LT & RT	33	--	--	69	609	--
375'WB'+36 to 389'WB'+64	LT & RT	23	--	--	48	418	--
389'WB'+64 to 406'WB'+53	LT & RT	33	--	--	67	594	--
408'WB'+33 to 434'WB'+15	LT & RT	47	--	--	97	850	--
434'WB'+15 to 449'WB'+17	LT & RT	24	--	--	50	441	--
449'WB'+17 to 454'WB'+37	LT & RT	8	--	--	17	153	--
STAGE 4 SUBTOTALS		267	--	--	551	4,851	--
STAGE 5							
8'SB'+08 to 9'SB'+24	LT	1	--	--	3	24	--
9'SB'+24 to 21'SB'+17	LT & RT	18	--	--	37	328	--
21'SB'+17 to 23'SB'+00	LT	2	--	--	4	32	--
28'SB'+15 to 31'SB'+10	LT	2	--	--	4	34	--
31'SB'+10 to 39'SB'+35	LT	9	--	--	18	163	--
39'SB'+35 to 40'SB'+00	LT & RT	1	--	--	2	21	--
40'SB'+00 to 42'SB'+03	LT	3	--	--	5	47	--
322'EB'+00 to 344'EB'+42	RT	24	--	--	50	440	--
344'EB'+42 to 353'EB'+74	RT	10	--	--	21	186	--
355'EB'+18 to 375'EB'+35	RT	22	--	--	45	397	--
375'EB'+35 to 389'EB'+84	RT	16	--	--	32	286	--
389'EB'+84 to 400'EB'+00	RT	11	--	--	23	200	--
415'EB'+75 to 427'EB'+00	RT	12	--	--	25	220	--
427'EB'+00 to 448'EB'+13	RT	23	--	--	47	413	--
STAGE 5 SUBTOTALS		154	--	--	317	2,792	--
STAGE 6							
291'EB'+50 to 298'EB'+71	LT & RT	16	--	--	33	293	--
300'EB'+60 to 307'EB'+00	LT & RT	14	--	--	29	255	--
307'EB'+00 to 322'EB'+00	LT	27	--	--	55	484	--
322'EB'+00 to 344'EB'+42	LT	12	--	--	25	219	--
344'EB'+42 to 353'EB'+74	LT	13	--	--	27	239	--
355'EB'+18 to 375'EB'+35	LT	19	--	--	39	341	--
375'EB'+35 to 389'EB'+84	LT	8	--	--	16	142	--
389'EB'+84 to 406'EB'+96	LT	11	--	--	23	200	--
408'EB'+86 to 427'EB'+00	LT	11	--	--	23	206	--
427'EB'+00 to 448'EB'+13	LT	17	--	--	35	311	--
(CONTINUED)							

HMA & ASPHALTIC ITEMS

STATION - STATION	OFFSET	455.0110 ASPHALTIC MATERIAL PG58-34 TON	455.0125 ASPHALTIC MATERIAL PG70-28 TON	455.0145 ASPHALTIC MATERIAL PG64-34P TON	455.0605 TACK COAT GAL	460.1100 HMA PAVEMENT TYPE E-0.3 TON	460.1110 HMA PAVEMENT TYPE E-10 TON
(CONTINUED)							
533'WB'+97 to 548'WB'+82	LT	8	--	--	17	146	--
534'EB'+18 to 545'EB'+22	LT	6	--	--	12	108	--
40'SB'+18 to 45'SB'+57	LT	2	--	--	5	44	--
40'NB'+00 to 46'NB'+00	LT	2	--	--	5	44	--
STAGE 6 SUBTOTALS		167	--	--	345	3,034	--
TOTALS		1,001	106	106	2,373	18,203	3,851

PIPE REPAIR QUANTITIES

STATION	LT/RT	LOCATION	520.7000 CLEANING CULVERT PIPES EACH	SPV.0060.01 RESETTING PIPE ENDS EACH	SPV.0900.01* REGRADE DITCH LF	COMMENT
CAT 0010						
STAGE 1						
468+15	LT	IH 94 WB	1	-	-	FROM STH 93 FLUME
499+11	LT	IH 94 WB	1	-	-	UNDER WB
509+10	LT	IH 94 WB	1	-	-	UNDER WB
STAGE 1 SUBTOTALS			3	0	0	
STAGE 2						
436+19	-	IH 94 EB	1	2	-	UNDER EB
458+20	-	H RAMP	1	2	-	UNDER RAMP H
469+70	-	G RAMP	1	-	-	RAMP G
STAGE 2 SUBTOTALS			3	4	0	
STAGE 3						
265+78	RT	C RAMP	-	1	30	UNDER RAMPS C & D
267+62	LT	A RAMP	-	1	-	UNDER RAMP A
STAGE 3 SUBTOTALS			0	2	30	
STAGE 4						
386+84	LT	IH 94 WB	-	-	15	UNDER EB & WB
393+51	LT	IH 94 EB	-	1	-	UNDER EB & WB
401+38	LT	IH 94 WB	-	2	-	PARALLEL TO WB
STAGE 4 SUBTOTALS			0	3	15	
STAGE 5						
386+84	RT	IH 94 EB	-	-	15	UNDER EB & WB
STAGE 5 SUBTOTALS			0	0	15	
STAGE 6						
355+20	RT	IH 94 WB	-	1	-	UNDER WB
STAGE 6 SUBTOTALS			0	1	0	
TOTALS			6	10	60	

* ADDITIONAL QUANTITIES SHOWN ELSEWHERE

3

CULVERT PIPE REINFORCED ITEMS

STATION	DESCRIPTION	LOCATION	504.0900 CONCRETE MASONRY ENDWALLS CY	520.8000 * CONCRETE COLLAR** EACH	521.0172 CULVERT PIPE CORRUGATED STEEL 72-INCH++ LF	521.1072 APRON ENDWALLS FOR CULVERT PIPE STEEL 72-INCH++ EACH	522.0118 CULVERT PIPE REINFORCED CONCRETE CLASS III 18-INCH LF	522.0124 CULVERT PIPE REINFORCED CONCRETE CLASS III 24-INCH LF	522.0130 CULVERT PIPE REINFORCED CONCRETE CLASS III 30-INCH LF	522.0148 CULVERT PIPE REINFORCED CONCRETE CLASS III 48-INCH LF	522.0336 CULVERT PIPE REINFORCED CONCRETE CLASS IV 36-INCH LF	522.1015 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 15-INCH EACH	522.1018* APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 18-INCH EACH	522.1024* APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 24-INCH EACH	522.1030* APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 30-INCH EACH	522.1036 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 36-INCH EACH	INVERT INLET. ELE FT	INVERT DISCH. ELE FT	SLOPE %
CAT 0010																			
STAGE 1																			
482+00	IH 94 EB	TEMP X-OVER	-	-	-	-	310	-	-	-	-	-	-	-	-	-	949.00	940.50	-2.75
STAGE 1 SUBTOTALS			0	0	0	0	310	0	0	0	0	0	0	0	0	0			
STAGE 2																			
393+51.3	IH 94 EB	51.3' RT	-	1	-	-	-	-	-	-	10	-	-	-	-	1	889.59	889.11	-4.80
402+69.8	IH 94 EB	52.0' RT	0.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
436+19.7	IH 94 EB	33.1' LT	-	1	-	-	-	-	23	-	-	-	-	-	-	-	875.17	875.17	0.00
436+19.7	IH 94 EB	48.7' RT	-	1	-	-	-	-	6	-	-	-	-	-	1	-	875.28	875.29	0.17
458+19.8	STH 93 RAMP H	19.5' RT	-	1	-	-	-	-	-	-	-	1	-	-	-	-	-	-	
470+12.9	IH 94 EB	53.1' RT	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	
STAGE 2 SUBTOTALS			0.8	4	0	0	0	0	29	0	10	1	1	0	1	1			
STAGE 3																			
285+35.9	IH 94 WB	63.2' LT	-	1	-	-	-	8	-	-	-	-	-	1	-	-	822.29	821.66	-7.87
315+46.4	IH 94 EB	44.1' RT	2.2	-	-	-	-	-	-	-	-	-	-	-	-	-	858.01	-	-
265+76.8	C RAMP	92.6' RT	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	771.03	
STAGE 3 SUBTOTALS			2.2	1	0	0	0	8	0	0	0	0	0	2	0	0			
STAGE 4																			
315+64.5	IH 94 WB	115.2'LT	2.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	830.36	-
411+02.8	IH 94 WB	59.1'RT	-	1	-	-	-	25	-	-	-	-	-	1	-	-	845.76	844.70	-4.24
409+51.7	IH 94 WB	94.9' LT	-	1	136	1	-	-	-	-	-	-	-	-	-	-	831.47	830.26	-0.89
STAGE 4 SUBTOTALS			2.2	2	136	1	0	25	0	0	0	0	0	1	0	0			
STAGE 5																			
13+50.0	STH 37 NB	LT	12.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
13+37.2	STH 37 NB	LT	-	1	-	-	-	-	-	4	-	-	-	-	-	-	767.64	767.63	
13+43.9	STH 37 NB	LT	-	1	-	-	-	-	-	4	-	-	-	-	-	-	767.76	767.75	
13+50.4	STH 37 NB	LT	-	1	-	-	-	4	-	-	-	-	-	-	-	-	767.18	767.14	1.00
13+55.7	STH 37 NB	LT	-	1	-	-	-	-	-	4	-	-	-	-	-	-	767.61	767.60	
STAGE 5 SUBTOTALS			12.3	4	0	0	0	4	0	12	0	0	0	0	0	0			
STAGE 6																			
436+19.7	IH 94 EB	33.1' LT	-	-	-	-	-	-	-	-	-	-	-	-	1	-	875.17	-	
STAGE 6 SUBTOTALS			0	0	0	0	0	0	0	0	0	0	0	0	1	0			
TOTALS			17.5	11	136	1	310	37	29	12	10	1	1	3	2	1			

* ADDITIONAL QUANTITIES SHOWN ELSEWHERE

++ MIN. STEEL THICKNESS 0.109 INCHES

CONCRETE CURB AND CURB AND GUTTER

STATION	-	STATION	OFFSET	601.0409 CONCRETE CURB & GUTTER 30-INCH TYPE A LF	601.0551 CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE A LF	601.0105 CONCRETE CURB TYPE A LF	SPV.0090.05 CONCRETE CURB & GUTTER 4-INCH SLOPED 60-INCH TYPE A, SPECIAL LF	SPV.0090.02 CONCRETE CURB & GUTTER SEAL TREATMENT LF
CAT 0010								
STAGE 3								
264'B'+22	-	267'B'+42	LT	361	--	--	--	361
264'B'+21	-	264'B'+43	LT	--	--	60	--	60
264'B'+25	-	270'B'+25	RT	579	--	--	--	579
267'A'+17	-	268'A'+10	RT	--	--	--	80	80
268'A'+10	-	269'A'+30	RT	--	119	--	--	119
269'A'+30	-	278'A'+19	LT	917	--	--	--	917
272'A'+50	-	278'A'+21	RT	596	--	--	--	596
264'C'+90	-	265'C'+48	RT	92	--	--	--	92
271'C'+00	-	274'C'+00	RT	295	--	--	--	295
264'C'+86	-	270'C'+12	LT	989	--	--	--	989
268'D'+50	-	274'D'+38	RT	999	--	--	--	999
278'D'+00	-	278'D'+22	RT	--	--	61	--	61
STAGE 3 SUBTOTALS				4,829	119	121	80	5,149
STAGE 4								
21'NB'+14	-	23'NB'+69	LT	--	476	--	--	476
21'SB'+17	-	32'SB'+70	RT	--	575	--	--	575
24'NB'+54	-	29'NB'+00	LT	--	439	--	--	439
24'SB'+62	-	29'SB'+40	RT	--	475	--	--	475
31'NB'+25	-	35'NB'+75	LT	--	453	--	--	453
31'SB'+50	-	35'SB'+77	RT	--	441	--	--	441
36'NB'+30	-	39'NB'+32	LT	--	591	--	--	591
36'SB'+34	-	39'SB'+35	RT	--	298	--	--	298
STAGE 4 SUBTOTALS				--	3,749	--	--	3,749
STAGE 5								
23'SB'+63	-	24'SB'+02	LT	212	--	--	--	212
24'SB'+35	-	25'SB'+02	LT	94	--	--	--	94
24'SB'+60	-	25'SB'+71	RT	--	200	--	--	200
STAGE 5 SUBTOTALS				306	200	--	--	506
TOTALS				5,135	4,068	121	80	9,404

CONCRETE SIDEWALK ITEMS

STATION-STATION	LOCATION	602.0410 CONCRETE SIDEWALK 5-INCH SF	SPV.0165.01 CONCRETE SIDEWALK CURE AND SEAL TREATMENT SF
CAT 0010			
STAGE 3			
264'B'+20 - 264'B'+43	LT	157	157
264'B'+20 - 270'B'+00	RT	4,975	4,975
278'D'+00 - 278'D'+22	RT	158	158
273'D'+47 - 278'D'+24	LT	3,760	3,760
STAGE 3 TOTALS		9,051	9,051
STAGE 4			
20'NB'+50 - 23'NB'+47	LT	4,251	4,251
STAGE 4 TOTALS		4,251	4,251
STAGE 5			
24'SB'+60 - 25'SB'+70	RT	1,645	1,645
36'SB'+32 - 37'NB'+23	RT	1,272	1,272
STAGE 5 TOTALS		1,645	1,645
TOTALS		14,947	14,947

CONCRETE BARRIER ITEMS

STATION-STATION	LOCATION	603.1142 CONCRETE BARRIER TYPE S42 LF	603.1436 CONCRETE BARRIER TYPE S36C LF	SPV.0090.03 CONCRETE BARRIER TYPE S36C, SPECIAL LF
CAT 0010				
STAGE 1				
468'WB'+50 - 471'WB'+25	LT	275	--	--
STAGE 1 TOTALS		275	--	--
STAGE 2				
400'EB'+22 - 402'EB'+25	RT	202	--	--
467'EB'+25 - 470'EB'+25	RT	300	--	--
STAGE 2 TOTALS		503	--	--
STAGE 4				
399'WB'+80 - 401'WB'+50	LT	165	--	--
29'NB'+00 - 31'NB'+25	RT	--	209	16
29'NB'+00 - 31'NB'+25	LT	--	225	--
STAGE 4 TOTALS		165	434	16
STAGE 5				
29'SB'+40 - 31'SB'+50	RT	--	210	--
29'SB'+40 - 31'SB'+50	LT	--	194	16
STAGE 5 TOTALS		--	404	16
TOTALS		943	838	32

RIPRAP

STATION - STATION	LOCATION		606.0100 RIPRAP LIGHT CY	606.0200 RIPRAP MEDIUM CY	606.0300* RIPRAP HEAVY CY	645.0120* GEOTEXTILE FABRIC TYPE HR SY	645.0130* GEOTEXTILE FABRIC TYPE R SY	COMMENTS
CAT 0010								
STAGE 1								
530+80 - 530+92	IH 94 WB	52' LT	2	-	-	-	10	
STAGE 1 SUBTOTALS			2	0	0	0	10	
STAGE 2								
503+78	IH 94 EB	126' RT	-	7	-	25	-	DISCHARGE EXISTING 36" CULVERT
421+04 - 421+15	IH 94 EB	58' RT	2	-	-	-	10	
436+20	IH 94 EB	61' RT	-	6	-	20	-	
455+75	IH 94 EB	72' RT	2	-	-	-	10	
470+13	IH 94 EB	53' RT	2	-	-	-	10	
458+20	STH 93 RAMP 'H'	20' RT	2	-	-	-	8	
STAGE 2 SUBTOTALS			8	13	0	45	38	
STAGE 3								
257+00	IH 94 EB	RT	-	-	27	54	-	MEDIAN STORM SEWER OUTFALL
285+22	IH 94 EB	116' LT	3	-	-	-	14	EXTEND EXISTING WB CULVERT
304+24	IH 94 EB	41' RT	1	-	-	-	3	EXTEND EXISTING WB CULVERT
315+49	IH 94 EB	47' RT	-	6	-	20	-	EXISTING TWIN 30'' RCCP INLET
21+11	STH 37 NB	RT	4	-	-	-	18	STORM SEWER OUTFALL
23+21	STH 37 NB	RT	1	-	-	-	7	FLUME
25+05	STH 37 NB	RT	2	-	-	-	10	STORM SEWER OUTFALL
27+00	STH 37 NB	RT	2	-	-	-	10	STORM SEWER OUTFALL
28+94	STH 37 NB	RT	1	-	-	-	7	FLUME
32+00	STH 37 NB	RT	3	-	-	-	14	STORM SEWER OUTFALL
35+11	STH 37 NB	RT	1	-	-	-	7	FLUME
36+73	STH 37 NB	RT	12	-	-	-	49	FLUME
37+16	STH 37 NB	RT	4	-	-	-	18	STORM SEWER OUTFALL
270+39	STH 37 RAMP 'B'	LT	-	35	-	99	-	FLUME REPLACES EX. CULVERT
265+34	STH 37 RAMP 'C'	RT	1	-	-	-	7	FLUME
265+76	STH 37 RAMP 'C'	RT	-	5	-	16	-	STORM SEWER OUTFALL
265+25	STH 37 RAMP 'C'	RT	17	-	-	-	68	STORM SEWER OUTFALL
270+94	STH 37 RAMP 'C'	RT	1	-	-	-	7	FLUME
STAGE 3 SUBTOTALS			53	46	27	189	239	
STAGE 4								
333+67	IH 94 WB	LT	1	-	-	-	4	STORM SEWER OUTFALL
384+09	IH 94 WB	LT	6	-	-	-	28	STORM SEWER OUTFALL
398+80	IH 94 WB	LT	2	-	-	-	10	STORM SEWER OUTFALL
404+65 - 406+89	IH 94 WB	LT	-	-	177	377	-	CUT / FILL TRANISTION
407+74 - 408+09	IH 94 WB	LT	-	-	31	66	-	STORM SEWER OUTFALL
STAGE 4 SUBTOTALS			9	0	208	443	42	
STAGE 5								
13+32 - 13+60	STH 37 NB	LT	-	-	32	67	-	EXISITNG PIPE OUTFALL
23+85	STH 37 NB	LT	1	-	-	-	7	JOPKE RD. - SW QUAD. FLUME
24+45	STH 37 NB	LT	1	-	-	-	7	JOPKE RD. - NW QUAD. FLUME
29+31	STH 37 NB	LT	1	-	-	-	7	FLUME
32+00	STH 37 NB	LT	3	-	-	-	14	EXISITNG PIPE OUTFALL
36+41	STH 37 NB	LT	2	-	-	-	10	STORM SEWER OUTFALL
37+16	STH 37 NB	LT	4	-	-	-	18	STORM SEWER OUTFALL
STAGE 5 SUBTOTALS			12	0	32	67	63	
TOTALS			84	59	267	744	392	

* ADDITIONAL QUANTITIES SHOWN ELSEWHERE

STORM SEWER

STATION	DESCRIPTION	LOCATION		FROM STRUCTURE	INVERT INLET ELE	INVERT DISCH. ELE	TO STRUCTURE	SLOPE	608.0318 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 18-INCH	608.0336 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 36-INCH	608.0418 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 18-INCH	608.0424 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 24-INCH	608.0430 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 30-INCH	522.1018* APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 18-INCH	522.1024* APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 24-INCH	522.1030* APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 30-INCH	520.8000 * CONCRETE COLLAR
					FT	FT		%	LF	LF	LF	LF	LF	EACH	EACH	EACH	EACH
CAT 0010																	
STAGE 1																	
383+00.0	IH 94 EB	44.0	LT	1-1	-	922.10	1-2	-2.50	120	-	-	-	-	-	-	-	-
384+20.0	IH 94 EB	48.4	LT	1-2	919.10	919.10	-	-	-	-	-	-	-	-	-	-	-
458+60.4	IH 94 EB	64.3	LT	1-4	890.22	890.22	(OUTFALL)	-0.50	204	-	-	-	-	-	-	-	-
456+58.3	IH 94 EB	36.6	LT	(OUTFALL)	-	889.20	-	-	-	-	-	-	-	-	-	-	-
499+12.1	IH94 WB	38.1'	LT	(COLLAR)	-	981.77	137	-1.12	6	-	-	-	-	-	-	-	1
499+12.3	IH94 WB	48.2	LT	137	-	981.70	-	-	-	-	-	-	-	1	-	-	-
509+09.3	IH94 WB	23.2	RT	154	-	987.39	(COLLAR)	-0.83	6	-	-	-	-	-	-	-	-
509+09.3	IH94 WB	18.2	RT	(COLLAR)	987.34	-	-	-	-	-	-	-	-	-	-	-	1
530+82.0	IH94 WB	17.5	RT	152	-	870.43	153	-0.69	62	-	-	-	-	-	-	-	-
530+82.0	IH94 WB	43.1	LT	153	-	870.00	-	-	-	-	-	-	-	-	-	-	-
539+00.0	IH 94 EB	26.5	LT	(PIPE INLET)	-	946.33	1-6	-3.50	300	-	-	-	-	-	-	-	-
542+00.0	IH 94 EB	26.5	LT	1-6	935.83	935.83	(OUTFALL)	-2.30	300	-	-	-	-	-	-	-	-
545+00.0	IH 94 EB	20.0	LT	(OUTFALL)	-	928.93	-	-	-	-	-	-	-	-	-	-	-
STAGE 1 SUBTOTALS									998	0	0	0	0	1	0	0	2
STAGE 2																	
421+12.7	IH 94 EB	16.7	LT	138	-	861.06	139	-0.50	64	-	-	-	-	-	-	-	-
421+12.7	IH 94 EB	46.6'	RT	139	860.74	-	-	-	-	-	-	-	-	-	-	-	-
456+03.4	IH 94 EB	43.9'	LT	148	-	886.75	151	-0.65	116	-	-	-	-	-	-	-	-
455+75.5	IH 94 EB	69.3	RT	151	886.00	-	-	-	-	-	-	-	-	1	-	-	-
STAGE 2 SUBTOTALS									180	0	0	0	0	1	0	0	0
STAGE 3																	
285+23.0	IH 94 EB	36.7	LT	(COLLAR)	-	817.32	3-1	-5.70	-	-	-	5	-	-	-	-	1
285+23.0	IH 94 EB	31.7	LT	3-1	817.11	816.97	(COLLAR)	-5.70	-	-	-	5	-	-	-	-	-
285+23.0	IH 94 EB	21.7	LT	(COLLAR)	816.75	-	-	-	-	-	-	-	-	-	-	-	1
394+21.0	IH 94 WB	45.0	LT	3-3	-	889.79	(COLLAR)	-	3	-	-	-	-	-	-	-	1
479+00.0	IH 94 EB	18.5	LT	3-4	-	933.25	3-5	-3.15	301	-	-	-	-	-	-	-	-
476+00.0	IH 94 EB	46.2	LT	3-5	923.75	923.75	3-6	-2.50	470	-	-	-	-	-	-	-	-
471+29.0	IH 94 EB	36.5	LT	3-6	911.47	911.43	(COLLAR)	-0.80	5	-	-	-	-	-	-	-	-
471+29.0	IH 94 EB	41.5	LT	(COLLAR)	911.43	-	-	-	-	-	-	-	-	-	-	-	1
46+00.0	STH 37 NB	21.0	LT	3-7	806.60	797.00	(COLLAR)	-1.60	600	-	-	-	-	-	-	-	-
40+00.3	STH 37 NB	18.4	LT	(COLLAR)	797.00	-	-	-	-	-	-	-	-	-	-	-	1
37+15.6	STH 37 NB	56.0	RT	13	793.20	-	3-9	-0.30	-	-	-	-	71	-	-	1	-
37+15.6	STH 37 NB	14.8	LT	3-9	794.16	792.99	(EX. PIPE)	-	-	-	-	-	-	-	-	-	-
257+00.0	IH 94 EB	29.0	LT	54	-	797.00	(COLLAR)	-3.85	44	-	-	-	-	-	-	-	-
257+00.0	IH 94 EB	15.0	RT	(COLLAR)	795.29	-	55	-3.85	44	-	-	-	-	-	-	-	1
257+00.0	IH 94 EB	59.3'	RT	55	793.60	-	-	-	-	-	-	-	-	1	-	-	1
333+26.4	IH 94 EB	0.0	R/L	(COLLAR)	875.90	-	112	-3.00	-	36	-	-	-	-	-	-	1
333+26.4	IH 94 EB	31.3	LT	112	874.97	872.65	(COLLAR)	-	-	5	-	-	-	-	-	-	-
333+26.4	IH 94 EB	36.3	LT	(COLLAR)	872.65	872.24	-	-8.20	-	-	-	-	-	-	-	-	1
24+61.4	STH 37 NB	13.6	LT	35	-	787.84	36	-1.00	-	-	17	-	-	-	-	-	-
24+45.2	STH 37 NB	17.7	LT	36	787.67	787.67	37	-1.00	-	-	107	-	-	-	-	-	-
25+04.6	STH 37 NB	71.6	RT	37	-	786.60	-	-	-	-	-	-	-	1	-	-	-
27+00.0	STH 37 NB	24.8	LT	2	-	789.72	3	-2.00	-	-	23	-	-	-	-	-	-
27+00.0	STH 37 NB	1.5	LT	3	789.28	789.25	4	-0.53	-	-	47	-	-	-	-	-	-
27+00.0	STH 37 NB	45.8	RT	4	-	789.00	-	-	-	-	-	-	-	1	-	-	-

(CONTINUED)

STORM SEWER

STATION	DESCRIPTION	LOCATION		FROM STRUCTURE	INVERT INLET ELE	INVERT DISCH. ELE	TO STRUCTURE	SLOPE	608.0318 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 18-INCH	608.0336 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 36-INCH	608.0418 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 18-INCH	608.0424 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 24-INCH	608.0430 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 30-INCH	522.1018* APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 18-INCH	522.1024* APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 24-INCH	522.1030* APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 30-INCH	520.8000 * CONCRETE COLLAR
					FT	FT		%	LF	LF	LF	LF	LF	EACH	EACH	EACH	EACH
(CONTINUED)																	
32+00.0	STH 37 NB	43.1	RT	6	790.11	-	7	-0.30	-	-	-	45	-	-	1	-	-
32+00.0	STH 37 NB	1.5	LT	7	789.97	789.97	3-10	-0.30	-	-	-	13	-	-	-	-	-
32+00.0	STH 37 NB	14.0	LT	3-10	790.59	789.92	-	-	-	-	-	-	-	-	-	-	-
40+00.3	STH 37 NB	18.4	LT	42	-	-	-	-	-	-	-	-	-	-	-	-	-
21+11.0	STH 37 NB	29.5	LT	86	785.46	785.46	85	-1.00	15	-	-	-	-	-	-	-	-
21+11.0	STH 37 NB	14.5	LT	85	785.31	785.31	84	-1.00	13	-	-	-	-	-	-	-	-
21+11.0	STH 37 NB	1.5	LT	84	785.18	785.18	89	-1.00	58	-	-	-	-	-	-	-	-
21+11.0	STH 37 NB	56.3	RT	89	784.60	-	-	-	-	-	-	-	-	1	-	-	-
267+63.9	IH 94 WB	29.4	RT	80	-	815.21	(COLLAR)	-6.47	-	-	44	-	-	-	-	-	1
267+62.5	IH 94 WB	15.0	LT	(COLLAR)	812.48	-	(EX. INLET)	-6.47	-	-	34	-	-	-	-	-	-
267+61.4	'A' RAMP	2.3	LT	(EX. INLET)	810.17	810.17	-	-	-	-	-	-	-	-	-	-	-
264+39.0	'A' RAMP	16.5	RT	28		793.54	68	-0.50	28	-	-	-	-	-	-	-	-
277+76.1	'A' RAMP	18.4	RT	68	793.40	793.40	26	-0.50	-	-	43	-	-	-	-	-	-
277+94.4	'A' RAMP	20.1	LT	26	793.19	793.19	25	-0.50	15	-	-	-	-	-	-	-	-
277+86.9	'A' RAMP	32.5	LT	25	-	793.12	-	-	-	-	-	-	-	1	-	-	-
268+11.0	'B' RAMP	16.5	RT	34	-	802.85	32	-5.66	-	-	31	-	-	-	-	-	-
274+60.4	'A' RAMP	1.8	LT	32	801.07	801.07	31	-1.00	31	-	-	-	-	-	-	-	-
274+60.5	'A' RAMP	32.5	LT	31	800.76	-	-	-	-	-	-	-	-	1	-	-	-
277+34.2	'D' RAMP	30.2	RT	61	785.94	-	62	-8.95	-	-	-	15	-	-	1	-	-
277+34.3	'D' RAMP	15.5	RT	62	784.62	784.62	63	-8.95	-	-	-	34	-	-	-	-	-
265+26.4	'C' RAMP	16.5	LT	64	-	788.67	63	-6.00	50	-	-	-	-	-	-	-	-
267+95.7	'C' RAMP	16.5	LT	20	-	795.43	19	-6.00	-	-	33	-	-	-	-	-	-
275+32.2	'D' RAMP	4.7	RT	19	793.43	793.30	18	-2.72	21	-	-	-	-	-	-	-	-
275+32.6	'D' RAMP	25.3	RT	18	-	792.74	-	-	-	-	-	-	-	1	-	-	-
271+99.0	'D' RAMP	1.5	RT	23	804.29	804.35	(COLLAR)	-3.09	6	-	-	-	-	-	-	-	-
271+98.9	'D' RAMP	7.9	RT	(COLLAR)	804.09	-	-	-	-	-	-	-	-	-	-	-	1
STAGE 3 SUBTOTALS									1,704	41	379	117	71	7	2	1	11
STAGE 4																	
333+66.8	IH 94 WB	17.8	RT	114	-	878.73	115	-3.61	63	-	-	-	-	-	-	-	-
333+66.8	IH 94 WB	45.0	LT	115	-	876.46	-	-	-	-	-	-	-	1	-	-	-
346+81.3	IH 94 WB	16.7	RT	116	-	-	-	-	-	-	-	-	-	-	-	-	-
346+81.3	IH 94 WB	64.4	LT	117 (AEW)	-	884.65	116	1.50	72	-	-	-	-	1	-	-	-
355+20.9	IH 94 WB	20.7	RT	118	-	897.27	(COLLAR)	-9.22	8	-	-	-	-	-	-	-	-
355+20.9	IH 94 WB	13.0	RT	(COLLAR)	896.56	-	-	-	-	-	-	-	-	-	-	-	1
364+22.4	IH 94 WB	19.1	RT	120	-	921.55	121	-2.71	73	-	-	-	-	-	-	-	-
364+22.4	IH 94 WB	53.5	LT	121	-	919.58	-	-	-	-	-	-	-	1	-	-	-
384+09.1	IH 94 WB	21.3	RT	1-2	-	917.26	123	-4.62	73	-	-	-	-	-	-	-	-
384+09.1	IH 94 WB	61.6	LT	123	913.89	-	-	-	-	-	-	-	-	1	-	-	-
393+99.7	IH 94 WB	15.1	RT	3-3	886.62	886.62	128	-0.69	73	-	-	-	-	-	-	-	-
393+99.7	IH 94 WB	57.6	LT	128	-	886.13	-	-	-	-	-	-	-	1	-	-	-
398+79.7	IH 94 WB	21.7	RT	129	-	873.38	130	-0.49	66	-	-	-	-	-	-	-	-
398+79.7	IH 94 WB	54.0	LT	130	-	873.38	-	-	-	-	-	-	-	1	-	-	-
420+89.0	IH 94 WB	17.6	RT	140	860.98	-	141	-0.50	68	-	-	-	-	-	-	-	-
420+89.0	IH 94 WB	48.4	LT	141	-	860.64	-	-	-	-	-	-	-	1	-	-	-
STAGE 4 SUBTOTALS (CONTINUED)									496	0	0	0	0	7	0	0	1

STORM SEWER

STATION	DESCRIPTION	LOCATION		FROM STRUCTURE	INVERT INLET ELE	INVERT DISCH. ELE	TO STRUCTURE	SLOPE	608.0318 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 18-INCH	608.0336 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 36-INCH	608.0418 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 18-INCH	608.0424 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 24-INCH	608.0430 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 30-INCH	522.1018* APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 18-INCH	522.1024* APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 24-INCH	522.1030* APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 30-INCH	520.8000 * CONCRETE COLLAR
					FT	FT		%	LF	LF	LF	LF	LF	EACH	EACH	EACH	EACH
(CONTINUED)																	
STAGE 5																	
333+26.4	IH 94 EB	51.3	RT	111	-	877.43	(COLLAR)	-2.98	-	51	-	-	-	-	-	-	-
333+26.4	IH 94 EB	0.0	R/L	(COLLAR)	875.90	-	-	-	-	-	-	-	-	-	-	-	1
24+64.1	STH 37 NB	38.5	LT	83	-	788.34	35	-2.00	-	-	24	-	-	-	-	-	-
32+00.0	STH 37 NB	14.0	LT	3-10	790.59	789.92	8	-0.30	-	-	-	12	-	-	-	-	-
32+00.0	STH 37 NB	26.5	LT	8	789.90	789.90	9	-0.30	-	-	-	61	-	-	-	-	-
32+00.0	STH 37 NB	87.6	LT	9	-	789.72	-	-	-	-	-	-	-	-	1	-	-
36+40.7	STH 37 NB	10.7	LT	11	793.13	-	91	-0.83	-	-	28	-	-	-	-	-	-
36+40.7	STH 37 NB	38.5	LT	91	792.90	792.90	10	-1.01	-	-	51	-	-	-	-	-	-
36+40.6	STH 37 NB	89.2	LT	-	-	792.39	-	-	-	-	-	-	-	1	-	-	-
37+15.6	STH 37 NB	14.8	LT	3-9	794.16	792.99	12	-0.30	-	-	-	-	71	-	-	-	-
37+15.6	STH 37 NB	85.7	LT	-	-	792.78	-	-	-	-	-	-	-	-	-	1	-
21+14.2	STH 37 SB	1.5	RT	87	-	785.55	86	-1.00	9	-	-	-	-	-	-	-	-
STAGE 5 SUBTOTALS									9	51	103	73	71	1	1	1	1
STAGE 6																	
308+96.4	IH 94 WB	35.3	RT	102	-	841.15	(COLLAR)	-0.47	19	-	-	-	-	-	-	-	-
309+09.0	IH 94 WB	16.0	RT	(COLLAR)	841.04	-	-	-	-	-	-	-	-	-	-	-	1
320+17.8	IH 94 WB	18.2	RT	109	-	869.14	(COLLAR)	-7.25	4	-	-	-	-	-	-	-	-
320+17.8	IH 94 WB	14.2	RT	(COLLAR)	868.85	-	-	-	-	-	-	-	-	-	-	-	1
384+09.1	IH 94 WB	21.3	RT	122	917.72	917.72	(COLLAR)	-4.62	10	-	-	-	-	-	-	-	-
384+09.1	IH 94 WB	11.3	RT	(COLLAR)	917.26	-	-	-	-	-	-	-	-	-	-	-	1
393+99.7	IH 94 WB	22.0	RT	126	-	886.67	(COLLAR)	-0.7	7	-	-	-	-	-	-	-	-
393+99.7	IH 94 WB	15.0	RT	(COLLAR)	886.62	-	-	-	-	-	-	-	-	-	-	-	1
456+00.0	IH 94 EB	30.0	LT	149	-	886.66	(COLLAR)	-0.65	-	-	-	-	-	1	-	-	-
455+99.0	IH 94 EB	26.1	LT	(COLLAR)	886.63	-	-	-	-	-	-	-	-	-	-	-	1
471+21.6	IH 94 WB	28.6	RT	158	-	911.52	(COLLAR)	1.00	5	-	-	-	-	-	-	-	-
471+21.6	IH 94 WB	23.6	RT	(COLLAR)	911.48	-	-	-	-	-	-	-	-	-	-	-	1
540+76.2	IH 94 WB	13.1	RT	156	-	840.51	(COLLAR)	-1.50	2	-	-	-	-	-	-	-	-
540+76.2	IH 94 WB	11.1	RT	(COLLAR)	840.47	-	-	-	-	-	-	-	-	-	-	-	1
STAGE 6 SUBTOTALS									47	0	0	0	0	1	0	0	7
TOTALS									3,434	92	482	190	142	18	3	2	22

*** ADDITIONAL QUANTITIES SHOWN ELSEWHERE**

STORM SEWER

STATION	DESCRIPTION	LOCATION		STRUCTURE NO.	GRATE / RIM ELEV.	INVERT INLET ELEV.	INVERT DISCH. ELEV.	STRUCTURE HEIGHT	611.2004 MANHOLES TYPE 4-FT DIAMETER	611.2005 MANHOLES TYPE 5 FT DIAMETER	611.3230 INLETS TYPE 2FTX3FT	611.3253 INLETS TYPE 2.5FTX3FT	611.0606 INLET COVERS TYPE B	611.3901 INLETS MEDIAN 1 GRATE	611.3902 INLETS MEDIAN 2 GRATE	611.3903 INLETS MEDIAN 3 GRATE	611.3904 INLETS MEDIAN 4 GRATE	611.0535 MANHOLE COVERS TYPE J-SPECIAL	611.0624 INLET COVERS TYPE H	611.0627 INLET COVERS TYPE HM	612.0642 INLET COVERS TYPE MS	611.8115 ADJUSTING INLET COVERS
					FT	FT	FT	FT	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH
CAT 0010																							
STAGE 1																							
383+00.0	IH 94 EB	44.0	LT	1-1	926.25	-	922.10	4.36	-	-	-	-	-	1	-	-	-	-	-	-	1	-
384+21.5	IH 94 EB	48.5	LT	1-2	923.60	919.10	919.10	4.71	-	-	-	-	-	1	-	-	-	-	-	-	1	-
458+60.4	IH 94 EB	64.3	LT	1-4	892.55	890.22	890.22	2.54	-	-	-	-	-	1	-	-	-	-	-	-	1	-
499+10.5	IH94 WB	20.9	RT	135	982.32	-	982.14	-	-	-	-	-	-	-	-	-	1	-	-	-	4	-
509+09.3	IH94 WB	23.2	RT	154	987.61	-	987.39	-	-	-	-	-	-	-	-	-	1	-	-	-	4	-
530+82.0	IH94 WB	17.5	RT	152	870.65	-	870.43	-	-	-	-	-	-	-	-	-	1	-	-	-	4	-
530+82.0	IH94 WB	43.1	LT	153	870.43	-	870.00	-	-	-	-	-	-	-	-	1	-	-	-	-	3	-
542+00.0	IH 94 EB	26.5	LT	1-6	940.80	935.83	935.83	3.50	1	-	-	-	1	-	-	-	-	-	-	-	-	-
STAGE 1 SUBTOTALS									1	0	0	0	1	3	0	1	3	0	0	0	18	0
STAGE 2																							
421+12.7	IH 94 EB	46.6'	RT	139	860.96	860.74	-	-	-	-	-	-	-	-	-	-	1	-	-	-	4	-
456+03.4	IH 94 EB	49.3	LT	148	889.00	-	886.75	2.46	-	-	-	-	-	1	-	-	-	-	-	-	1	-
STAGE 1 SUBTOTALS									0	0	0	0	0	1	0	0	1	0	0	0	5	0
STAGE 3																							
285+23.0	IH 94 EB	31.7	LT	3-1	826.22	817.11	816.97	9.46	-	-	-	-	-	-	1	-	-	-	-	-	2	-
333+64.0	IH 94 EB	41.5	LT	3-2	882.05	-	879.82	2.44	-	-	-	-	-	1	-	-	-	-	-	-	1	-
394+21.0	IH 94 EB	45.0	LT	3-3	892.05	-	889.79	5.64	-	-	-	-	-	1	-	-	-	-	-	-	1	-
479+00.0	IH 94 EB	18.5	LT	3-4	936.25	-	933.25	3.21	-	-	-	-	-	1	-	-	-	-	-	-	1	-
476+00.0	IH 94 EB	46.2	LT	3-5	928.80	923.75	923.75	3.59	1	-	-	-	1		-	-	-	-	-	-		-
471+30.4	IH 94 EB	36.5	LT	3-6	914.10	912.00	911.47	2.84	-	-	-	-	-	1	-	-	-	-	-	-	1	-
46+00.0	STH 37 NB	21.0	LT	3-7	809.20	-	806.60	2.81	-	-	-	-	-	1	-	-	-	-	-	-	1	-
37+15.6	STH 37 NB	14.8	LT	3-9	-	793.00	793.86	5.20	-	1	-	-	-	-	-	-	-	-	-	-	-	-
32+00.0	STH 37 NB	14.0	LT	3-10	-	789.94	790.68	4.22	-	-	-	1	-	-	-	-	-	-	-	-	-	-
257+00.0	IH 94 EB	29.0'	LT	54	800.00	-	797.00	3.21	-	-	-	-	-	1	-	-	-	-	-	-	1	-
333+26.4	IH 94 EB	31.3	LT	112	879.00	874.97	872.65	6.68	-	-	-	-	-	-	1	-	-	-	-	-	2	-
13+50.1	STH 37 NB	14.4	LT	41	777.40	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
21+11.0	STH 37 NB	29.5	LT	86	789.36	785.46	785.46	3.40	-	-	1	-	-	-	-	-	-	-	-	1	-	-
21+11.0	STH 37 NB	14.5	LT	85	789.60	785.31	785.31	3.79	-	-	1	-	-	-	-	-	-	-	-	1	-	-
21+11.0	STH 37 NB	1.5	LT	84	789.85	785.18	785.18	4.17	-	-	1	-	-	-	-	-	-	-	-	1	-	-
24+61.4	STH 37 NB	13.6	LT	35	791.94	-	787.82	3.62	-	-	1	-	-	-	-	-	-	-	-	1	-	-
24+45.2	STH 37 NB	17.7	LT	36	792.22	787.65	787.67	3.68	-	1	-	-	-	-	-	-	-	1	-	-	-	-
27+00.0	STH 37 NB	24.8	LT	2	792.97	-	789.72	2.75	-	-	1	-	-	-	-	-	-	-	-	1	-	-
27+00.0	STH 37 NB	1.5	LT	3	793.12	789.25	789.25	3.37	-	-	1	-	-	-	-	-	-	-	-	1	-	-
32+00.0	STH 37 NB	1.5	LT	7	794.74	789.97	789.97	4.31	-	-	1	-	-	-	-	-	-	-	-	1	-	-
40+00.3	STH 37 NB	18.4	LT	42	800.12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1
267+63.9	IH 94 WB	29.4	RT	80	817.54	-	815.21	2.54	-	-	-	-	-	1	-	-	-	-	-	-	1	-
267+61.4	IH 94 WB	48.5	LT	(EX. INLET)	817.32	810.17	810.17	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-
418+70.0	IH 94 WB	49.0'	LT	(EX. MH)	859.88	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
264+39.0	'A' RAMP	16.5	RT	28	796.95	-	793.54	2.91	-	-	1	-	-	-	-	-	-	-	1	1	-	-
277+76.1	'A' RAMP	18.4	RT	68	796.80	793.40	793.40	2.90	-	-	1	-	-	-	-	-	-	-	1	-	-	-
277+94.4	'A' RAMP	20.1	LT	26	796.10	793.19	793.19	2.41	-	-	1	-	-	-	-	-	-	-		1	-	-
268+11.0	'B' RAMP	16.5	RT	34	809.01	-	802.85	5.66	-	-	1	-	-	-	-	-	-	-	1	-	-	-
274+60.4	'A' RAMP	1.8	LT	32	805.53	801.07	801.07	3.96	-	-	1	-	-	-	-	-	-	-	1	-	-	-
271+10.2	'A' RAMP	1.5	LT	(EX INLET)	818.20	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-
277+34.3	'D' RAMP	15.5	RT	62	790.54	784.62	784.62	5.42	-	-	1	-	-	-	-	-	-	-	1	-	-	-
277+34.5	'D' RAMP	18.5	LT	63	791.22	781.58	781.58	9.18	-	-	1	-	-	-	-	-	-	-	1	-	-	-
265+26.4	'C' RAMP	16.5	LT	64	791.92	-	788.67	2.75	-	-	1	-	-	-	-	-	-	-	1	-	-	-
267+95.7	'C' RAMP	16.5	LT	20	798.62	-	795.43	2.69	-	-	1	-	-	-	-	-	-	-	1	-	-	-
275+32.2	'D' RAMP	4.7	RT	19	796.54	793.43	793.30	2.74	-	-	1	-	-	-	-	-	-	-	1	-	-	-
271+99.0	'D' RAMP	1.5	RT	23	812.25	804.35	804.35	7.40	-	-	1	-	-	-	-	-	-	-	1	-	-	-
STAGE 3 SUBTOTALS (CONTINUED)									1	2	18	1	1	7	2	0	0	1	11	10	12	3

STORM SEWER

STATION	DESCRIPTION	LOCATION		STRUCTURE NO.	GRATE / RIM ELEV.	INVERT INLET ELEV.	INVERT DISCH. ELEV.	STRUCTURE HEIGHT	611.2004 MANHOLES TYPE 4-FT DIAMETER	611.2005 MANHOLES TYPE 5 FT DIAMETER	611.3230 INLETS TYPE 2FTX3FT	611.3253 INLETS TYPE 2.5FTX3FT	611.0606 INLET COVERS TYPE B	611.3901 INLETS MEDIAN 1 GRATE	611.3902 INLETS MEDIAN 2 GRATE	611.3903 INLETS MEDIAN 3 GRATE	611.3904 INLETS MEDIAN 4 GRATE	611.0535 MANHOLE COVERS TYPE J-SPECIAL	611.0624 INLET COVERS TYPE H	611.0627 INLET COVERS TYPE HM	612.0642 INLET COVERS TYPE MS	611.8115 ADJUSTING INLET COVERS
					FT	FT	FT	FT	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH
(CONTINUED)																							
STAGE 4																							
355+20.9	IH 94 WB	20.7	RT	118	899.50	-	897.27	2.44	-	-	-	-	-	1	-	-	-	-	-	-	1	-
398+79.7	IH 94 WB	21.7	RT	129	876.04	-	873.70	2.55	-	-	-	-	-	1	-	-	-	-	-	-	1	-
420+89.0	IH 94 WB	19.1	RT	140	861.20	860.98		-	-	-	-	-	-	-	-	-	1	-	-	-	4	-
STAGE 4 SUBTOTALS									0	0	0	0	0	2	0	0	1	0	0	0	6	0
STAGE 5																							
333+26.4	IH 94 EB	51.3	RT	111	881.45	-	877.43	4.35	-	-	-	-	-	-	1	-	-	-	-	-	2	-
11+67.5	STH 37 NB	8.4	LT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
21+14.2	STH 37 SB	1.5	RT	87	789.93		785.55	3.88	-	-	1	-	-	-	-	-	-	-	-	1	-	-
24+64.1	STH 37 NB	38.5	LT	83	792.39	-	788.34	3.55	-	-	1	-	-	-	-	-	-	-	-	1	-	-
32+00.0	STH 37 NB	26.5	LT	8	794.85	789.90	789.90	4.49	-	-	1	-	-	-	-	-	-	-	-	1	-	-
36+40.6	STH 37 NB	15.2	LT	11	797.19	-	793.13	3.56	-	-	1	-	-	-	-	-	-	-	-	1	-	-
36+40.6	STH 37 NB	38.5	LT	91	797.59	792.90	792.90	4.19	-	-	1	-	-	-	-	-	-	-	-	1	-	-
STAGE 5 SUBTOTALS									0	0	5	0	0	0	1	0	0	0	0	5	2	1
STAGE 6																							
309+09.0	IH 94 WB	35.4	RT	102	841.46	-	841.15	-	-	-	-	-	-	-	-	-	1	-	-	-	4	-
320+17.8	IH 94 WB	18.2	RT	109	869.36	-	869.14	-	-	-	-	-	-	-	-	-	1	-	-	-	4	-
333+66.8	IH 94 WB	17.8	RT	114	878.95	-	878.73	-	-	-	-	-	-	-	-	-	1	-	-	-	4	-
346+81.3	IH 94 WB	16.7	RT	116	885.95	-	885.73	-	-	-	-	-	-	-	-	-	1	-	-	-	4	-
364+22.4	IH 94 WB	19.1	RT	120	921.77	-	921.55	-	-	-	-	-	-	-	-	-	1	-	-	-	4	-
384+09.1	IH 94 WB	21.3	RT	122	920.72	917.72	917.72	3.21	-	-	-	-	-	1	-	-	-	-	-	-	1	-
393+99.7	IH 94 WB	22.0	RT	126	890.01	-	886.67	3.55	-	-	-	-	-	1	-	-	-	-	-	-	1	-
421+12.7	IH 94 EB	16.7	LT	138	861.28	-	861.06	-	-	-	-	-	-	-	-	-	1	-	-	-	4	-
471+21.6	IH 94 EB	28.6	RT	158	914.1	-	911.52	2.79	-	-	-	-	-	1	-	-	-	-	-	-	1	-
540+76.2	IH 94 WB	13.1'	RT	156	840.73	-	840.51	-	-	-	-	-	-	-	-	-	1	-	-	-	4	-
STAGE 6 SUBTOTALS									0	0	0	0	0	3	0	0	7	0	0	0	31	0
TOTALS									2	2	23	1	2	16	3	1	12	1	11	15	74	4

RECONSTRUCT INLETS

STATION	DESCRIPTION	LOCATION	611.0430 RECONSTRUCTING INLETS EACH
CAT 0010			
STAGE 3			
267+61.7	A RAMP	2.3' LT	1
STAGE 3 SUBTOTAL			1
STAGE 4			
384+20.0	IH 94 EB	48.5' LT	1
STAGE 4 SUBTOTAL			1
TOTAL			2

SALVAGED RAIL

STATION	-	STATION	OFFSET	614.0920 SALVAGED RAIL LF	614.0925 SALVAGED GUARD RAIL END TREATMENTS EACH
CAT 0010					
STAGE 1B					
471'WB'+16.3	-	471'B'+99.7	LT	83	1
499'WB'+76.3	-	507'WB'+16	LT	740	1
510'WB'+14.2	-	520'WB'+81.4	LT	1,067	1
STAGE 1B SUBTOTALS				1,890	3
STAGE 2					
399'EB'+50.3	-	403'EB'+16.1	RT	366	-
404'EB'+75.2	-	407'EB'+10.3	RT	235	-
466'EB'+52	-	467'EB'+35.4	RT	83	1
496'EB'+22.1	-	521'EB'+21.4	RT	2,499	1
STAGE 2 SUBTOTALS				3,183	2
STAGE 3B					
256'EB'+62.5	-	257'EB'+12	LT	47	1
263'EB'+79.9	-	265'EB'+15.5	LT	136	1
265'EB'+15.5	-	265'EB'+15.5	LT	40	-
256'WB'+96.9	-	257'WB'+80.7	RT	84	1
267'WB'+30.9	-	267'WB'+30.9	RT	40	-
267'WB'+30.9	-	270'WB'+35.3	RT	322	1
STAGE 3B SUBTOTALS				669	4
STAGE 3C					
256'EB'+65.5	-	257'EB'+24.3	RT	59	1
262'EB'+58	-	265'EB'+18.5	RT	261	1
267'EB'+22.4	-	268'EB'+05.9	RT	84	1
283'EB'+11	-	291'EB'+37.6	RT	827	2
293'EB'+78.1	-	298'EB'+73.4	RT	495	1
256'WB'+96	-	259'WB'+55.5	LT	260	1
267'WB'+27	-	268'WB'+84.4	LT	157	1
295'WB'+51	-	298'WB'+84.7	LT	334	1
STAGE 3C SUBTOTALS				2,477	9
STAGE 4					
300'WB'+69	-	308'WB'+51.25	LT	783	1
300'WB'+68.3	-	303'WB'+77.8	RT	310	1
311'WB'+98	-	319'WB'+57.6	LT	760	1
322'WB'+40.7	-	331'WB'+45.5	LT	905	1
332'WB'+85.9	-	335'WB'+88.4	LT	302	1

(CONTINUED)

SALVAGED RAIL

STATION	-	STATION	OFFSET	614.0920 SALVAGED RAIL LF	614.0925 SALVAGED GUARD RAIL END TREATMENTS EACH
(CONTINUED)					
349'WB'+82.4	-	353'WB'+66	LT	384	-
354'WB'+89.5	-	358'WB'+11.1	LT	322	1
354'WB'+96.3	-	354'WB'+96.3	RT	40	-
354'WB'+96.3	-	358'WB'+05.7	RT	309	1
399'WB'+85.2	-	403'WB'+14	LT	329	1
404'WB'+63.1	-	406'WB'+60	LT	197	-
408'WB'+19.7	-	413'WB'+90.5	LT	571	1
408'WB'+27.2	-	408'WB'+27.2	RT	90	-
408'WB'+27.2	-	411'WB'+61.1	RT	334	1
6'NB'+09.4	-	6'NB'+79.4	RT	70	-
7'NB'+97.7	-	8'NB'+67.7	RT	70	-
28'NB'+85	-	31'NB'+35	LT	570	-
28'NB'+90	-	31'NB'+70	RT	250	-
38'NB'+46	-	39'NB'+87	LT	282	-
STAGE 4 SUBTOTALS				6,878	10
STAGE 5					
322'EB'+44.7	-	327'EB'+06.6	RT	462	1
344'EB'+67.6	-	353'EB'+88.5	RT	921	1
399'EB'+50	-	403'EB'+16	RT	366	1
404'EB'+75	-	407'EB'+10	RT	235	1
5'SB'+86.2	-	6'SB'+56.2	LT	70	-
7'SB'+74.63	-	8'SB'+44.6	LT	70	-
14'SB'+25	-	14'SB'+64	RT	39	-
29'SB'+37	-	31'SB'+87	LT	250	-
39'SB'+16	-	39'SB'+68	LT	52	-
STAGE 5 SUBTOTALS				2,465	4
STAGE 6					
293'EB'+76	-	298'EB'+73.4	LT	497	1
352'EB'+34	-	353'EB'+81.4	LT	147	1
353'EB'+81.4	-	353'EB'+81.4	LT	40	-
400'EB'+26.3	-	402'EB'+44.9	LT	450	-
407'EB'+00	-	407'EB'+00	LT	84	-
404'EB'+68.8	-	407'EB'+03.3	LT	235	1
467'EB'+83.4	-	470'EB+89.1	LT	626	-
STAGE 6 SUBTOTALS				2,079	3
TOTALS				19,641	35

BEAM GUARD

STATION	-	STATION	OFFSET	614.0200 STEEL THRIE BEAM STRUCTURE APPROACH LF	614.0220 STEEL THRIE BEAM BULLNOSE TERMINAL EACH	614.0230 STEEL THRIE BEAM LF	614.2300 MGS GUARDRAIL 3 LF	614.2500 MGS THRIE BEAM TRANSITION LF	614.2610 MGS GUARDRAIL TERMINAL EAT EACH	614.2620 MGS GUARDRAIL TERMINAL TYPE 2 EACH
CAT 0010										
STAGE 1B										
436'WB'+97.3	-	453'WB'+92.5	LT	--	--	--	1,642	--	1	1
467'WB'+60.0	-	468'WB'+52.5	LT	--	--	--	--	39	1	--
471'WB'+22.5	-	473'WB'+77.5	LT	--	--	--	63	39	1	--
499'WB'+72.2	-	522'WB'+93.5	LT	--	--	--	2,267	--	1	1
STAGE 1B SUBTOTALS				0	0	0	3,972	79	4	2
STAGE 2										
394'EB'+95.0	-	400'EB'+25.0	RT	--	--	--	438	39	1	--
402'EB'+22.5	-	407'EB'+09.1	RT	--	--	--	447	39	--	--
465'EB'+72.5	-	467'EB'+27.5	RT	--	--	--	63	39	1	--
494'EB'+12.8	-	521'EB'+20.5	RT	--	--	--	2,667	--	1	1
STAGE 2 SUBTOTALS				0	0	0	3,614	118	3	1
STAGE 3B										
262'EB'+10.3	-	265'EB'+15.5	LT	21	--	486	--	--	--	--
256'WB'+79.1	-	260'WB'+26.2	RT	21	--	556	--	--	--	--
267'WB'+19	-	270'WB'+35.3	RT	21	--	501	--	--	--	--
STAGE 3B SUBTOTALS				62	0	1,543	0	0	0	0
STAGE 3C										
256'EB'+65.5	-	257'EB'+37.6	RT	--	--	--	72	--	--	1
262'EB'+37.9	-	265'EB'+17.9	RT	--	--	--	188	39	1	--
267'EB'+21.2	-	268'EB'+05.8	RT	--	--	--	85	--	--	1
281'EB'+43.7	-	298'EB'+73.7	RT	--	--	--	1,638	39	1	--
256'WB'+96	-	259'WB'+51	LT	--	--	--	163	39	1	--
267'WB'+26.6	-	268'WB'+19.1	LT	--	--	--	--	39	1	--
7'SB'+99.6	-	8'SB'+92.1	RT	--	--	--	--	39	1	--
12'NB'+62.5	-	16'NB'+18.7	LT	--	--	--	250	--	2	--
13'SB'+04.1	-	15'SB'+60.2	RT	--	--	--	150	--	2	--
27'NB'+60	-	29'NB'+02.5	RT	--	--	--	50	39	1	--
26'NB'+72.3	-	29'NB'+39.3	LT	21	--	376	--	--	--	--
31'SB'+25.7	-	33'SB'+52.7	RT	21	--	311	--	--	--	--
38'SB'+33.9	-	40'SB'+03.1	RT	--	--	275	--	--	--	--
STAGE 3C SUBTOTALS				41	0	962	2,594	236	10	2
STAGE 4										
270'WB+55.3	-	298'WB'+84.9	LT	--	--	--	2,830	--	--	1
300'WB+68.5	-	337'WB'+48.5	LT	--	--	--	3,588	39	1	--
300'WB'+68.1	-	302'WB'+98.3	RT	21	--	339	--	--	--	--
354'WB'+88.9	-	383'WB'+31.4	LT	--	--	--	2,750	39	1	--
349'WB'+74	-	353'WB'+66.1	LT	--	--	--	385	--	--	1
354'WB'+96	-	358'WB'+01.2	RT	21	--	485	--	--	--	--
397'WB'+45	-	399'WB'+87.5	LT	--	--	--	150	39	1	--
401'WB'+47.5	-	406'WB'+54.1	LT	--	--	--	428	79	--	--
404'WB'+34.7	-	406'WB'+64.7	RT	--	--	--	138	39	1	--
408'WB'+19.4	-	423'WB'+49.4	LT	--	--	--	1,438	39	1	--
408'WB'+30.0	-	410'WB'+85.0	RT	--	--	--	163	39	1	--
STAGE 4 SUBTOTALS				41	0	825	11,867	315	6	2

(CONTINUED)

CONCRETE MEDIAN NOSE

STATION	LOCATION	620.0300 CONCRETE MEDIAN SLOPED NOSE SF	COMMENTS
CAT 0010			
STAGE 3			
264'B'+22	LT	78	TYPE 1
273'D'+45	LT	85	TYPE 1
278'D'+21	RT	60	TYPE 1
STAGE 3 TOTALS		223	
STAGE 4			
21'NB+00	LT	85	TYPE 1
23'NB'+71	LT	135	TYPE 1
24'NB'+55	LT	53	TYPE 1
35'NB'+76	LT	63	TYPE 1
36'NB'+28	LT	52	TYPE 1
STAGE 4 TOTALS		304	
STAGE 5			
24'SB'+60	LT	68	TYPE 1
25'SB'+70	LT	69	TYPE 1
36'SB'+30	LT	69	TYPE 1
37'SB'+19	LT	69	TYPE 1
STAGE 5 TOTALS		137	
TOTALS		664	

BEAM GUARD

STATION	-	STATION	OFFSET	614.0200 STEEL THRIE BEAM STRUCTURE APPROACH LF	614.0220 STEEL THRIE BEAM BULLNOSE TERMINAL EACH	614.0230 STEEL THRIE BEAM LF	614.2300 MGS GUARDRAIL 3 LF	614.2500 MGS THRIE BEAM TRANSITION LF	614.2610 MGS GUARDRAIL TERMINAL EAT EACH	614.2620 MGS GUARDRAIL TERMINAL TYPE 2 EACH
(CONTINUED)										
STAGE 5										
307'EB'+46.2	-	353'EB'+88.7	RT	--	--	--	4,550	39	1	--
7'SB'+72.1	-	9'SB'+27.1	LT	--	--	--	63	39	1	--
31'SB'+47.5	-	32'SB'+40	LT	--	--	--	--	39	1	--
39'SB'+07.5	-	40'SB'+98.1	LT	--	--	--	138	--	1	1
STAGE 5 SUBTOTALS				0	0	0	4,750	118	4	1
STAGE 6										
295'EB'+68.6	-	298'EB'+73.6	LT	--	--	--	213	39	1	--
350'EB'+61.9	-	353'EB'+79.7	LT	21	--	521	--	--	--	--
400'EB'+14.7	-	402'EB'+58.9	LT	--	--	275	--	--	--	--
403'EB'+93.7	-	406'EB'+98.7	LT	--	--	--	213	39	1	--
467'EB'+64.1	-	470'EB+95.7	LT	--	--	450	--	--	--	--
STAGE 6 SUBTOTALS				21	0	1,246	425	79	2	0
CATEGORY 0010 TOTALS				166	0	4,576	27,222	946	29	8
CAT 0020										
STAGE 3B										
262'EB'+10.3	-	265'EB'+15.5	LT	--	1	--	--	--	--	--
256'WB'+79.1	-	260'WB'+26.2	RT	--	1	--	--	--	--	--
267'WB'+30.1	-	270'WB'+35.3	RT	--	1	--	--	--	--	--
STAGE 3B SUBTOTALS				0	3	0	0	0	0	0
STAGE 3C										
26'NB'+72.3	-	29'NB'+39.3	LT	--	1	--	--	--	--	--
31'SB'+25.7	-	33'SB'+52.7	RT	--	1	--	--	--	--	--
38'SB'+33.9	-	40'SB'+03.1	RT	--	2	--	--	--	--	--
STAGE 3C SUBTOTALS				0	4	0	0	0	0	0
STAGE 4										
300'WB'+68.1	-	302'WB'+98.3	RT	--	1	--	--	--	--	--
354'WB'+96	-	358'WB'+01.2	RT	--	1	--	--	--	--	--
STAGE 4 SUBTOTALS				0	2	0	0	0	0	0
STAGE 6										
350'EB'+61.9	-	353'EB'+79.7	LT	--	1	--	--	--	--	--
400'EB'+14.7	-	402'EB'+58.9	LT	--	2	--	--	--	--	--
467'EB'+64.1	-	470'EB+95.7	LT	--	2	--	--	--	--	--
STAGE 6 SUBTOTALS				0	5	0	0	0	0	0
CATEGORY 0020 TOTALS				0	14	0	0	0	0	0
PROJECT TOTALS				166	14	4,576	27,222	946	29	8

WATER

STATION - STATION	LOCATION	624.0100 WATER MGAL
CAT 0010		
STAGE 1		
454'WB'+36 - 533'WB'+95	LT & RT	259
STAGE 1 SUBTOTALS		259
STAGE 2		
400'EB'+00 - 415'EB'+75	LT & RT	37
448'EB'+13 - 534'EB'+15	LT & RT	302
STAGE 2 SUBTOTALS		339
STAGE 3		
256'EB'+73 - 291'EB'+50	LT & RT	122
RAMPS A, B, C, D	LT & RT	134
307'WB'+00 - 454'WB'+36	LT & RT	70
STAGE 3 SUBTOTALS		326
STAGE 4		
307'WB'+00 - 454'WB'+36	LT & RT	498
8'NB'+04 - 40'SB'+00	LT & RT	76
STAGE 4 SUBTOTALS		574
STAGE 5		
322'EB'+00 - 448'EB'+13	RT	245
8'SB'+08 - 42'SB'+03	LT & RT	84
STAGE 5 SUBTOTALS		329
STAGE 6		
291'EB'+50 - 545'EB'+22	LT	206
40'NB'+00 - 46'NB'+00	LT	2
STAGE 6 SUBTOTALS		208
UNDISTRIBUTED		209
TOTAL		2,244

WATER PROVIDED FOR COMPACTION OF SUBGRADE, BASE, PREPARATION OF FOUNDATION AND DUST ABATEMENT

LANDSCAPING ITEMS

STATION - STATION	LOCATION	625.0500 SALVAGED TOPSOIL SY	627.0200 MULCHING SY	629.0210 FERTILIZER TYPE B CWT	630.0120 SEEDING MIXTURE NO. 20 LB	630.0130 SEEDING MIXTURE NO. 30 LB	630.0200 SEEDING TEMPORARY LB
CAT 0010							
STAGE 1							
454'WB'+38 - 458'WB'+35	RT	1,209	1,209	1	17	11	17
458'WB'+35 - 478'WB'+97	LT & RT	9,781	9,781	6	85	120	133
478'WB'+97 - 533'WB'+95	LT & RT	27,614	27,614	17	315	288	373
STAGE 1 SUBTOTALS		38,604	38,604	24	417	419	523
STAGE 2							
454'E'+36 - 458'E'+33	LT	1,027	1,027	1	10	12	14
448'EB'+13 - 457'EB'+31	LT & RT	4,807	4,807	3	50	54	65
457'EB'+31 - 479'EB'+80	LT & RT	10,964	10,964	7	104	129	149
479'EB'+80 - 534'EB'+15	LT & RT	27,206	27,206	17	256	320	368
STAGE 2 SUBTOTALS		44,004	44,004	28	420	515	596
STAGE 3							
256'WB'+88 - 265'WB'+33	LT & RT	4,281	4,281	3	44	49	58
267'WB'+22 - 280'WB'+45	LT & RT	3,628	3,628	2	11	59	49
280'WB'+45 - 295'WB'+50	LT & RT	10,974	10,974	7	184	76	149
256'EB'+58 - 265'EB'+25	LT & RT	4,763	4,763	3	53	51	65
267'EB'+16 - 277'EB'+89	LT & RT	4,714	4,714	3	52	51	64
277'EB'+89- 291'EB'+50	LT & RT	9,391	9,391	6	134	81	127
267'A'+19 - 278'A'+18	LT & RT	2,616	2,616	2	15	38	36
264'B'+22 - 280'B'+48	LT & RT	3,349	3,349	2	6	57	46
264'C'+90 - 277'C'+90	LT & RT	3,785	3,785	2	35	46	52
267'D'+16 - 278'D'+21	LT & RT	2,945	2,945	2	23	38	40
STAGE 3 SUBTOTALS		50,447	50,447	32	557	546	686
STAGE 4							
307'WB'+00 - 353'WB'+80	LT & RT	19,512	19,512	12	174	236	264
354'WB'+88 - 406'WB'+71	LT & RT	20,151	20,151	13	143	268	273
408'WB'+15 - 454'WB'+38	LT & RT	45,021	45,021	28	853	242	608
8'NB'+04 - 23'NB'+28	LT & RT	2,734	2,734	2	11	43	37
25'NB'+18 - 29'NB'+52	LT & RT	1,710	1,710	1	18	19	24
29'NB'+52 - 31'NB'+05	LT & RT	1,096	1,096	1	17	9	15
31'NB'+05 - 40'NB'+00	LT & RT	2,804	2,804	2	21	37	38
STAGE 4 SUBTOTALS		93,028	93,028	59	1,237	854	1,259
STAGE 5							
307'EB'+00 - 353'EB'+90	RT	1,928	1,928	1	6	31	27
354'EB'+98 - 407'EB'+09	RT	9,205	9,205	6	65	123	125
408'EB'+53 - 448'EB'+13	RT	8,380	8,380	5	79	99	114
8'SB'+08 - 24'SB'+01	LT & RT	4,929	4,929	3	36	65	67
24'SB'+35 - 40'SB'+00	LT & RT	6,903	6,903	4	77	74	94
STAGE 5 SUBTOTALS		31,345	31,345	20	263	392	427
STAGE 6							
307'EB'+00 - 353'EB'+90	LT	12,185	12,185	8	81	166	165
354'EB'+98 - 407'EB'+09	LT	16,189	16,189	10	205	155	219
408'EB'+53 - 448'EB'+13	LT	12,779	12,779	8	163	122	173
291'EB'+50 - 307'EB'+00	LT & RT	9,490	9,490	6	69	126	129
534'EB'+15 - 549'EB'+10	LT	6,291	6,291	4	54	78	85
40'NB'+00 - 46'NB'+00	LT	1,827	1,827	1	--	33	25
STAGE 6 SUBTOTALS		58,761	58,761	37	572	680	796
UNDISTRIBUTED		79,047	79,047	50	867	852	1,072
TOTALS		395,236	395,236	251	4,333	4,258	5,359

SILT FENCE

STATION - STATION	LOCATION		628.1504 SILT FENCE LF	628.1520 SILT FENCE MAINTENANCE LF
CAT 0010				
STAGE 1				
481+00 - 488+25	IH 94 WB	LT	740	740
500+37 - 505+00	IH 94 WB	LT	460	460
UNDISTRIBUTED			300	300
STAGE 1 SUBTOTALS			1,500	1,500
STAGE 2				
406+62 - 407+37	IH 94 EB	RT	115	115
408+38 - 410+50	IH 94 EB	RT	250	250
502+00 - 505+00	IH 94 EB	RT	320	320
510+00 - 512+00	IH 94 EB	RT	205	205
UNDISTRIBUTED			225	225
STAGE 2 SUBTOTALS			1,115	1,115
STAGE 3				
256+40 - 259+36	IH 94 EB	RT	368	368
256+77 - 259+02	IH 94 WB	LT	246	246
285+23 - 291+58	IH 94 EB	RT	651	651
296+99 - 298+76	IH 94 EB	RT	203	203
297+06 - 298+91	IH 94 WB	LT	209	209
300+56 - 303+03	IH 94 EB	RT	293	293
300+67 - 302+89	IH 94 WB	LT	233	233
UNDISTRIBUTED			551	551
STAGE 3 SUBTOTALS			2,754	2,754
STAGE 4				
405+12 - 406+97	IH 94 WB	LT	247	247
408+15 - 410+38	IH 94 WB	LT	232	232
442+00 - 451+50	IH 94 WB	LT	950	950
UNDISTRIBUTED			350	350
STAGE 4 SUBTOTALS			1,779	1,779
STAGE 5				
378+74 - 389+58	IH 94 EB	RT	1,108	1,108
12+62 - 13+32	STH 37 'NB'	LT	70	70
13+60 - 14+60	STH 37 'NB'	LT	104	104
25+19 - 28+07	STH 37 'NB'	LT	305	305
UNDISTRIBUTED			660	660
STAGE 5 SUBTOTALS			2,247	2,247
TOTALS			9,395	9,395

3

EROSION MAT

STATION	-	STATION	LOCATION	OFFSET	628.2004 EROSION MAT CLASS I TYPE B SY	628.2023 EROSION MAT CLASS II TYPE B SY	628.6510 SOIL STABILIZER TYPE B ACRE
CAT 0010							
STAGE 1							
484+00	-	487+00	IH 94 WB	MEDIAN	261	-	-
534+30	-	539+00	IH 94 WB	MEDIAN	398	-	-
454+00	-	458+25	IH 94 WB	LT - SLOPE	292	-	-
459+54	-	468+08	IH 94 WB	LT - DITCH	758	-	-
471+22	-	478+14	IH 94 WB	LT - DITCH	718	-	-
481+50	-	488+00	IH 94 WB	LT - SLOPE	761	-	-
495+00	-	498+50	IH 94 WB	LT - DITCH	220	-	-
522+00	-	530+80	IH 94 WB	LT - DITCH	775	-	-
522+00	-	523+50	IH 94 WB	LT - SLOPE	608	-	-
530+50	-	531+50	IH 94 WB	LT - SLOPE	311	-	-
530+92	-	533+75	IH 94 WB	LT - DITCH	248	-	-
UNDISTRIBUTED					2,400		
STAGE 1 SUBTOTALS					7,750	0	0
STAGE 2							
487+00	-	531+00	IH 94 EB	MEDIAN	3,907	-	-
532+00	-	534+15	IH 94 EB	MEDIAN	191	-	-
395+00	-	401+20	IH 94 EB	RT - DITCH	550	-	-
402+75	-	405+99	IH 94 EB	RT - DITCH	288	-	-
406+00	-	407+11	IH 94 EB	RT - SLOPE	253	-	-
408+50	-	410+50	IH 94 EB	RT - SLOPE	468	-	-
418+50	-	421+02	IH 94 EB	RT - DITCH	230	-	-
421+19	-	422+00	IH 94 EB	RT - DITCH	73	-	-
424+50	-	429+00	IH 94 EB	RT - DITCH	400	-	-
442+50	-	445+50	IH 94 EB	RT - SLOPE	258	-	-
448+00	-	454+00	IH 94 EB	RT - SLOPE	516	-	-
455+50	-	457+27	IH 94 EB	RT - DITCH	158	-	-
458+34	-	468+25	IH 94 EB	RT - DITCH	879	-	-
475+00	-	478+00	IH 94 EB	RT - DITCH	267	-	-
487+50	-	494+00	IH 94 EB	RT - DITCH	576	-	-
495+00	-	518+50	IH 94 EB	RT - SLOPE	8,658	-	-
524+00	-	534+15	IH 94 EB	RT - DITCH	876	-	-
UNDISTRIBUTED					4,800		
STAGE 2 SUBTOTALS					23,348	0	0
STAGE 3							
256+74	-	259+00	IH 94 EB	RT - SLOPE	765	-	-
256+95	-	265+00	IH 94 EB	MEDIAN	716	-	-
265+50	-	265+23	IH 94 EB	RT - SLOPE	74	-	-
267+13	-	268+75	IH 94 EB	RT - SLOPE	264	-	-
267+61	-	279+11	IH 94 EB	MEDIAN	1,022	-	-
275+50	-	284+50	IH 94 EB	RT - DITCH	801	-	-
276+00	-	281+93	IH 94 EB	RT - SLOPE	1,475	-	-
282+30	-	284+38	IH 94 EB	RT - SLOPE	392	-	-
284+50	-	291+25	IH 94 EB	RT - SLOPE	2,520	-	-
281+00	-	286+00	IH 94 EB	MEDIAN	444	-	-
278+50	-	285+06	IH 94 WB	LT - DITCH	543	-	-
286+00	-	288+50	IH 94 WB	LT - DITCH	278	-	-

(CONTINUED)

MOBILIZATIONS EROSION CONTROL

	628.1905 MOBILIZATION EROSION CONTROL EACH	628.1910 MOBILIZATION EMERGENCY EROSION CONTROL EACH
CAT 0010		
STAGE 1	3	2
STAGE 1 TOTALS	3	2
STAGE 2	5	6
STAGE 2 TOTALS	5	6
STAGE 3	3	1
STAGE 3 TOTALS	3	1
STAGE 4	3	1
STAGE 4 TOTALS	3	1
STAGE 5	3	1
STAGE 5 TOTALS	3	1
STAGE 6	3	1
STAGE 6 TOTALS	3	1
TOTALS	20	12

CLEANING SEDIMENT BASIN

STATION	LOCATION	OFFSET	628.1920 CLEANING SEDIMENT BASIN CY
CAT 0010			
STAGE 3			
406+90	IH 94 EB	MEDIAN	50
265+73	RAMP C	128' RT	50
270+95	RAMP C	50' RT	50
8+90	STH 37 NB	70' RT	50
13+50	STH 37 NB	70'RT	50
STAGE 3 SUBTOTAL			250
TOTAL			250

EROSION MAT

STATION	-	STATION	LOCATION	OFFSET	628.2004 EROSION MAT CLASS I TYPE B SY	628.2023 EROSION MAT CLASS II TYPE B SY	628.6510 SOIL STABILIZER TYPE B ACRE
(CONTINUED)							
281+00	-	288+27	IH 94 WB	RT - SLOPE	-	5,482	1
414+00	-	433+00	IH 94 EB	MEDIAN	1,779	-	-
414+63	-	433+00	IH 94 EB	MEDIAN - SLOPE	4,222	-	-
307+00	-	322+00	IH 94 EB	RT - DITCH	1,326	-	-
13+50	-	16+00	STH 37 NB	MEDIAN	214	-	-
25+11	-	27+41	STH 37 NB	RT - DITCH	199	-	-
31+67	-	35+00	STH 37 NB	RT - DITCH	291	-	-
36+88	-	40+00	STH 37 NB	RT - DITCH	271	-	-
271+63	-	272+33	'A' RAMP	RT - DITCH	74	-	-
268+40	-	273+50	'B' RAMP	LT - DITCH	422	-	-
270+75	-	274+75	'B' RAMP	RT - DITCH	381	-	-
272+14	-	272+58	'D' RAMP	LT - DITCH	48	-	-
STAGE 3 SUBTOTALS					18,521	5,482	1
STAGE 4							
320+26	-	321+89	IH 94 WB	LT - DITCH	148	-	-
330+17	-	333+23	IH 94 WB	LT - DITCH	274	-	-
333+91	-	345+00	IH 94 WB	LT - DITCH	976	-	-
337+00	-	339+00	IH 94 WB	LT - SLOPE	457	-	-
372+00	-	380+50	IH 94 WB	LT - DITCH	747	-	-
394+49	-	399+85	IH 94 WB	LT - DITCH	477	-	-
397+00	-	399+85	IH 94 WB	LT - SLOPE	1,536	-	-
401+50	-	404+00	IH 94 WB	LT - DITCH	214	-	-
404+00	-	406+73	IH 94 WB	LT - SLOPE	986	-	-
408+07	-	410+50	IH 94 WB	LT - SLOPE	1,203	-	-
413+50	-	434+00	IH 94 WB	LT - DITCH	1,791	-	-
416+00	-	433+00	IH 94 WB	RT - DITCH	1,510	-	-
447+00	-	450+50	IH 94 WB	LT - SLOPE	579	-	-
STAGE 4 SUBTOTALS					10,898	0	0
STAGE 5							
322+00	-	323+50	IH 94 EB	RT - DITCH	133	-	-
328+00	-	343+00	IH 94 EB	RT - DITCH	1,345	-	-
367+00	-	376+00	IH 94 EB	RT - DITCH	801	-	-
31+36	-	31+75	STH 37 NB	LT - SLOPE	72	-	-
32+50	-	37+50	STH 37 NB	LT - DITCH	443	-	-
33+25	-	37+47	STH 37 NB	LT - SLOPE	576	-	-
STAGE 5 SUBTOTALS					3,370	0	0
STAGE 6							
286+00	-	295+50	IH 94 EB	MEDIAN DITCH	833	-	-
309+00	-	353+75	IH 94 EB	MEDIAN DITCH	3,972	-	-
355+24	-	404+00	IH 94 EB	MEDIAN DITCH	4,322	-	-
410+50	-	414+00	IH 94 EB	MEDIAN DITCH	73	-	-
414+00	-	433+50	IH 94 EB	LT - DITCH	1,736	-	-
451+00	-	484+09	IH 94 EB	MEDIAN DITCH	1,334	-	-
539+89	-	549+16	IH 94 EB	MEDIAN DITCH	824	-	-
STAGE 6 SUBTOTALS					13,094	0	0
TOTALS					76,981	5,482	1

TURBIDITY BARRIERS

STATION	-	STATION	LOCATION		LENGTH LF	HEIGHT LF	628.6005 TURBIDITY BARRIERS SY	COMMENT
CAT 0010								
STAGE 2								
407+77	-	407+81	IH 94 'EB'	RT	92	10	102	WEST BANK - LOWES CREEK
408+20	-	408+50	IH 94 'EB'	RT	162	10	180	EAST BANK - LOWES CREEK
STAGE 2 SUBTOTALS					254	20	282	
STAGE 3								
253+90	-	254+89	IH 94 'EB'	-	277	8	246	WEST BANK - CHIPPEWA R.
299+19	-	299+70	IH 94 'EB'	-	366	10	407	WEST BANK - LOWES CREEK
299+57	-	300+29	IH 94 'EB'	-	390	10	433	EAST BANK - LOWES CREEK
407+10	-	407+81	IH 94 'EB'	-	381	10	423	WEST BANK - LOWES CREEK
407+53	-	408+49	IH 94 'EB'	-	441	10	490	EAST BANK - LOWES CREEK
006+92	-	007+15	STH 37 'NB'	LT	90	10	100	
008+32	-	008+79	STH 37 'NB'	RT	80	10	89	
STAGE 3 SUBTOTALS					2,025	68	2,188	
TOTALS					2,279	88	2,470	

INLET PROTECTION

STATION	LOCATION	OFFSET	628.7005 INLET PROTECTION TYPE A EACH	628.7015 INLET PROTECTION TYPE C EACH
CAT 0010				
STAGE 1				
383+00	IH 94 EB	44' LT	1	-
384+21	IH 94 EB	48' LT	1	-
458+60	IH 94 EB	64' LT	1	-
470+08	IH 94 WB	324' LT - STH 93 GORE	1	-
471+22	IH 94 WB	24' RT - MEDIAN	1	-
499+11	IH 94 WB	21' RT - MEDIAN	1	-
509+09	IH 94 WB	23.2' RT - MEDIAN	1	-
530+82	IH 94 WB	18' RT - MEDIAN	1	-
557+28	IH 94 WB	19' RT - MEDIAN	1	-
STAGE 1 SUBTOTALS			9	0
STAGE 2				
456+03	IH 94 EB	44' LT - MEDIAN	1	-
469+58	IH 94 EB	391' RT - STH 93	-	1
469+59	IH 94 EB	391' RT - STH 93	-	1
470+11	IH 94 EB	388' RT - STH 93	-	1
469+06	IH 94 EB	150' LT - STH 93	-	1
469+25	IH 94 EB	152' LT - STH 93	-	1
469+63	IH 94 EB	167' LT - STH 93	-	1
468+92	IH 94 EB	452' LT - STH 93	-	1
468+97	IH 94 EB	452' LT - STH 93	-	1
469+39	IH 94 EB	422' LT - STH 93	-	1
STAGE 2 SUBTOTALS			1	9
STAGE 3				
257+00	IH 94 EB	29' LT	1	-
267+50	IH 94 EB	30' LT	1	-
285+22	IH 94 EB	32' LT	1	-
333+64	IH 94 EB	42' LT	1	-
13+50	STH 37 NB	14' LT	1	-
21+11	STH 37 NB	14' LT	1	1
21+11	STH 37 NB	2' LT	1	1
24+45	STH 37 NB	18' LT	1	-
24+61	STH 37 NB	14' LT	1	1
27+00	STH 37 NB	25' LT	1	1
27+00	STH 37 NB	2' LT	1	1
32+00	STH 37 NB	26' LT	1	1
32+00	STH 37 NB	2' LT	1	1
36+41	STH 37 NB	15' LT	1	-
40+00	STH 37 NB	18' LT	1	-
267+62	A RAMP	2.3' LT	1	1
271+10	A RAMP	1.5' LT	1	1
274+60	A RAMP	32' LT	1	1
268+11	B RAMP	16' RT	1	1
277+94	A RAMP	20' LT	1	1
277+76	A RAMP	18' RT	1	1
(CONTINUED)				

INLET PROTECTION

STATION	LOCATION	OFFSET	628.7005 INLET PROTECTION TYPE A EACH	628.7015 INLET PROTECTION TYPE C EACH
(CONTINUED)				
264+39	B RAMP	16' RT	1	1
265+26	C RAMP	16' LT	1	1
277+34	D RAMP	18' LT	1	1
277+34	D RAMP	16' RT	1	1
267+96	C RAMP	16' LT	1	1
275+32	D RAMP	5' RT	1	1
271+99	D RAMP	2' RT	1	1
STAGE 3 SUBTOTALS			28	20
STAGE 4				
309+09	IH 94 WB	36' LT	1	-
333+67	IH 94 WB	18' LT	1	-
355+21	IH 94 WB	21' RT	1	-
410+85	IH 94 WB	94' LT	1	-
413+39	IH 94 WB	55' LT	1	-
420+89	IH 94 WB	16' RT	1	-
398+80	IH 94 WB	22' LT	1	-
STAGE 4 SUBTOTALS			7	0
STAGE 5				
333+26	IH 94 EB	51' RT	1	-
21+14	STH 37 SB	10' RT	1	1
21+14	STH 37 SB	2' RT	1	1
24+64	STH 37 NB	38' LT	1	1
36+35	STH 37 NB	15' LT	1	1
36+44	STH 37 SB	1' RT	1	1
STAGE 5 SUBTOTALS			6	5
STAGE 6				
309+00	IH 94 EB	24' LT	1	-
319+96	IH 94 EB	41' LT	1	-
333+26	IH 94 EB	31' LT	1	-
346+81	IH 94 EB	44' LT	1	-
364+22	IH 94 WB	20' RT	1	-
333+67	IH 94 WB	18' RT	1	-
384+09	IH 94 WB	21' RT	1	-
394+21	IH 94 EB	38' LT	1	-
421+13	IH 94 EB	17' LT	1	-
471+22	IH 94 WB	29' RT	1	-
509+09	IH 94 WB	23' RT	1	-
540+76	IH 94 WB	13' RT	1	-
STAGE 6 SUBTOTALS			12	0
TOTALS			63	34

TEMPORARY DITCH AND CULVERT PIPE CHECKS

STATION	LOCATION	OFFSET	628.7504 TEMPORARY DITCH CHECKS LF	628.7555 CULVERT PIPE CHECKS EACH	COMMENT
CAT 0010					
STAGE 1					
390+00	IH 94 EB	MEDIAN	10	-	
394+21	IH 94 EB	MEDIAN	-	3	EXISTING MEDIAN CROSS-DRAIN
456+10	IH 94 EB	MEDIAN	-	3	EXISTING MEDIAN CROSS-DRAIN
484+00	IH 94 WB	MEDIAN	-	3	TEMPORARY CROSS-OVER PIPE
499+11	IH 94 WB	MEDIAN	-	3	EXISTING MEDIAN CROSS-DRAIN
509+09	IH 94 WB	MEDIAN	-	3	EXISTING MEDIAN CROSS-DRAIN
531+02	IH 94 WB	MEDIAN	-	3	EXISTING MEDIAN CROSS-DRAIN
539+00	IH 94 WB	MEDIAN	-	3	TEMPORARY CROSS-OVER PIPE
547+76	IH 94 WB	MEDIAN	-	3	EXISTING MEDIAN CROSS-DRAIN
455+00	IH 94 WB	LT	10	-	
459+54	IH 94 WB	LT		3	EXISTING RAMP "E" CROSS-DRAIN
463+00	IH 94 WB	LT	10	-	
465+00	IH 94 WB	LT	10	-	
469+98	IH 94 WB	LT	-	3	EXISTING STH 93 OVER-PASS DRAIN
471+00	IH 94 WB	LT	10	-	
473+00	IH 94 WB	LT	10	-	
475+00	IH 94 WB	LT	10	-	
494+50	IH 94 WB	LT	10	-	
503+70	IH 94 WB	LT	-	6	EXISTING IH-94 CROSS DRAIN
512+88	IH 94 WB	LT	-	12	EXISTING IH-94 CROSS DRAIN
524+00	IH 94 WB	LT	10	-	
526+00	IH 94 WB	LT	10	-	
528+00	IH 94 WB	LT	10	-	
530+00	IH 94 WB	LT	10	-	
532+00	IH 94 WB	LT	10	-	
533+68	IH 94 WB	LT	10	-	
STAGE 1 SUBTOTALS			140	48	
STAGE 2					
406+91	IH 94 EB	MEDIAN	20	-	
411+21	IH 94 EB	MEDIAN	-	5	EXISTING MEDIAN CROSS-DRAIN
487+00	IH 94 EB	MEDIAN	10	-	
489+00	IH 94 EB	MEDIAN	10	-	
491+00	IH 94 EB	MEDIAN	10	-	
493+00	IH 94 EB	MEDIAN	10	-	
495+00	IH 94 EB	MEDIAN	10	-	
499+50	IH 94 EB	MEDIAN	10	-	
503+00	IH 94 EB	MEDIAN	10	-	
507+00	IH 94 EB	MEDIAN	10	-	
(CONTINUED)					

TEMPORARY DITCH AND CULVERT PIPE CHECKS

STATION	LOCATION	OFFSET	628.7504 TEMPORARY DITCH CHECKS LF	628.7555 CULVERT PIPE CHECKS EACH	COMMENT
(CONTINUED)					
511+00	IH 94 EB	MEDIAN	10	-	
515+00	IH 94 EB	MEDIAN	10	-	
521+00	IH 94 EB	MEDIAN	10	-	
523+00	IH 94 EB	MEDIAN	10	-	
525+00	IH 94 EB	MEDIAN	10	-	
527+00	IH 94 EB	MEDIAN	10	-	
529+00	IH 94 EB	MEDIAN	10	-	
533+00	IH 94 EB	MEDIAN	10	-	
393+51	IH 94 EB	RT	-	7	EXISTING IH-94 CROSS DRAIN
397+00	IH 94 EB	RT	10	-	
399+00	IH 94 EB	RT	10	-	
401+00	IH 94 EB	RT	10	-	
401+36	IH 94 EB	RT	-	6	EXISTING LOWES CR. RD. OVER-PASS DRAIN
404+00	IH 94 EB	RT	10	-	
405+94	IH 94 EB	RT	10	-	
407+76	IH 94 EB	RT	10	-	
418+50	IH 94 EB	RT	10	-	
424+50	IH 94 EB	RT	10	-	
427+00	IH 94 EB	RT	10	-	
436+19	IH 94 EB	LT	-	6	UNDER TEMP WIDENING
458+23	IH 94 EB	RT	-	3	EXISTING GORE CROSS-DRAIN
459+00	IH 94 EB	RT	10	-	
461+00	IH 94 EB	RT	10	-	
463+00	IH 94 EB	RT	10	-	
465+00	IH 94 EB	RT	10	-	
467+00	IH 94 EB	RT	10	-	
470+14	IH 94 EB	RT	-	3	EXISTING STH 93 OVER-PASS DRAIN
470+50	IH 94 EB	RT	-	3	EXISTING GORE CROSS DRAIN 402' RT
475+00	IH 94 EB	RT	10	-	
477+00	IH 94 EB	RT	10	-	
487+50	IH 94 EB	RT	10	-	
489+50	IH 94 EB	RT	10	-	
491+50	IH 94 EB	RT	10	-	
525+00	IH 94 EB	RT	10	-	
527+00	IH 94 EB	RT	10	-	
529+00	IH 94 EB	RT	10	-	
531+00	IH 94 EB	RT	10	-	
533+00	IH 94 EB	RT	10	-	
STAGE 2 SUBTOTALS			420	33	
(CONTINUED)					

TEMPORARY DITCH AND CULVERT PIPE CHECKS

STATION	LOCATION	OFFSET	628.7504 TEMPORARY DITCH CHECKS LF	628.7555 CULVERT PIPE CHECKS EACH	COMMENT
(CONTINUED)					
STAGE 3					
255+15	IH 94 EB	89' RT	-	8	EXISTING CULVERT PIPE BY BIKE PATH
256+01	IH 94 EB	110' RT	-	8	EXISTING CULVERT PIPE BY BIKE PATH
256+89	IH 94 EB	14' LT	-	3	EXISTING MEDIAN CROSS-DRAIN
258+00	IH 94 EB	MEDIAN	10	-	
260+00	IH 94 EB	MEDIAN	10	-	
262+00	IH 94 EB	MEDIAN	10	-	
267+74	IH 94 EB	43.9 LT	-	3	
269+00	IH 94 EB	MEDIAN	10	-	
271+00	IH 94 EB	MEDIAN	10	-	
273+00	IH 94 EB	MEDIAN	10	-	
276+00	IH 94 EB	85' RT	10	-	
278+00	IH 94 EB	66' RT	10	-	
281+93	IH 94 EB	62' RT	10	-	
282+00	IH 94 WB	52' LT	10	-	
284+00	IH 94 WB	52' LT	10	-	
284+00	IH 94 EB	MEDIAN	10	-	
284+00	IH 94 EB	55' RT	10	-	
287+00	IH 94 WB	52' LT	10	-	
289+00	IH 94 WB	52' LT	10	-	
295+98	IH 94 EB	23' LT	-	3	
300+95	IH 94 EB	30' LT	20	-	
301+00	IH 94 EB	47' RT	10	-	
303+00	IH 94 EB	43' RT	10	-	
304+24	IH 94 EB	43' RT	-	6	
305+00	IH 94 EB	43' RT	10	-	
307+00	IH 94 EB	43' RT	10	-	
308+97	IH 94 EB	38' LT	-	3	
309+00	IH 94 EB	43' RT	10	-	
311+00	IH 94 EB	43' RT	10	-	
313+00	IH 94 EB	43' RT	10	-	
315+00	IH 94 EB	43' RT	10	-	
315+49	IH 94 EB	43' RT	-	12	TWIN 30-INCH PIPE
317+00	IH 94 EB	43' RT	10	-	
319+00	IH 94 EB	43' RT	10	-	
319+97	IH 94 EB	42' LT	-	3	
346+64	IH 94 EB	37' LT	-	3	
355+18	IH 94 EB	42' LT	-	3	
364+21	IH 94 EB	MEDIAN	-	3	
389+19	IH 94 EB	43' LT	10	-	
(CONTINUED)					

TEMPORARY DITCH AND CULVERT PIPE CHECKS

STATION	LOCATION	OFFSET	628.7504 TEMPORARY DITCH CHECKS LF	628.7555 CULVERT PIPE CHECKS EACH	COMMENT
(CONTINUED)					
391+19	IH 94 EB	43' LT	10	-	
393+19	IH 94 EB	43' LT	10	-	
394+21	IH 94 EB	36' LT	-	3	
395+19	IH 94 EB	43' LT	10	-	
397+19	IH 94 EB	43' LT	10	-	
399+19	IH 94 EB	46' LT	10	-	
400+15	IH 94 EB	49' LT	-	5	
405+02	IH 94 EB	49' LT	10	-	
406+94	IH 94 EB	51' LT	20	-	
411+21	IH 94 EB	92' LT	-	5	
412+13	IH 94 EB	68' LT	20	-	
413+63	IH 94 EB	64' LT	10	-	
443+00	IH 94 EB	70' LT	10	-	
447+00	IH 94 EB	64' LT	10	-	
461+97	IH 94 EB	43' LT	10	-	
463+97	IH 94 EB	43' LT	10	-	
465+97	IH 94 EB	43' LT	10	-	
09+09	STH 37 NB	77' RT	10	-	
09+48	STH 37 NB	76' RT	10	-	
10+46	STH 37 NB	71' RT	-	3	
11+00	STH 37 NB	73' RT	10	-	
12+50	STH 37 NB	77' RT	10	-	
14+64	STH 37 NB	86' RT	10	-	
18+17	STH 37 NB	105' RT	10	-	
20+00	STH 37 NB	116' RT	10	-	
22+16	STH 37 NB	126' RT	10	-	
25+52	STH 37 NB	69' RT	10	-	
31+96	STH 37 NB	102' LT	-	6	
32+00	STH 37 NB	53' RT	-	5	
32+50	STH 37 NB	101' LT	10	-	
33+00	STH 37 NB	62' RT	10	-	
36+00	STH 37 NB	94' LT	10	-	
37+16	STH 37 NB	60' RT	-	6	
38+00	STH 37 NB	67' RT	10	-	
39+00	STH 37 NB	54' RT	10	-	
266+00	B RAMP	26' LT	10	-	
267+00	B RAMP	20' LT	10	-	
268+00	B RAMP	16' LT	10	-	
269+00	B RAMP	16' LT	10	-	
(CONTINUED)					

TEMPORARY DITCH AND CULVERT PIPE CHECKS

STATION	LOCATION	OFFSET	628.7504 TEMPORARY DITCH CHECKS LF	628.7555 CULVERT PIPE CHECKS EACH	COMMENT
(CONTINUED)					
270+00	B RAMP	26' LT	10	-	
271+00	B RAMP	31' LT	10	-	
272+00	B RAMP	33' LT	10	-	
273+00	B RAMP	33' LT	10	-	
270+31	C RAMP	34' RT	10	-	
273+00	C RAMP	66' RT	10	-	
271+99	D RAMP	47' LT	-	3	
277+34	D RAMP	34' RT	-	3	
STAGE 3 SUBTOTALS			680	97	
STAGE 4					
333+94	IH 94 WB	48' LT	10	-	
338+00	IH 94 WB	54' LT	10	-	
342+00	IH 94 WB	54' LT	10	-	
380+25	IH 94 WB	60' LT	10	-	
397+00	IH 94 WB	49' LT	10	-	
398+71	IH 94 WB	49' LT	10	-	
400+05	IH 94 WB	51' LT	-	6	
404+00	IH 94 WB	45' LT	10	-	
411+03	IH 94 WB	59' LT	-	5	
414+00	IH 94 WB	49' LT	10	-	
416+00	IH 94 WB	49' LT	10	-	
418+00	IH 94 WB	49' LT	10	-	
420+00	IH 94 WB	49' LT	10	-	
422+00	IH 94 WB	49' LT	10	-	
424+00	IH 94 WB	49' LT	10	-	
426+00	IH 94 WB	49' LT	10	-	
428+00	IH 94 WB	49' LT	10	-	
430+00	IH 94 WB	49' LT	10	-	
432+00	IH 94 WB	49' LT	10	-	
333+66	IH 94 WB	16' RT	-	3	
416+00	IH 94 WB	22' RT	10	-	
419+00	IH 94 WB	22' RT	10	-	
422+00	IH 94 WB	22' RT	10	-	
424+00	IH 94 WB	22' RT	10	-	
426+00	IH 94 WB	22' RT	10	-	
428+00	IH 94 WB	22' RT	10	-	
430+00	IH 94 WB	22' RT	10	-	
STAGE 4 SUBTOTALS			240	14	
(CONTINUED)					

TEMPORARY DITCH AND CULVERT PIPE CHECKS

STATION	LOCATION	OFFSET	628.7504 TEMPORARY DITCH CHECKS LF	628.7555 CULVERT PIPE CHECKS EACH	COMMENT
(CONTINUED)					
STAGE 5					
328+00	IH 94 EB	50' RT	10	-	
334+00	IH 94 EB	50' RT	10	-	
340+00	IH 94 EB	50' RT	10	-	
367+00	IH 94 EB	45' RT	10	-	
369+00	IH 94 EB	45' RT	10	-	
372+00	IH 94 EB	45' RT	10	-	
374+00	IH 94 EB	45' RT	10	-	
11+50	STH 37'NB'	73' LT	10	-	
13+11	STH 37'NB'	90' LT	10	-	
14+50	STH 37'NB'	120' LT	10	-	
32+50	STH 37'NB'	97' LT	10	-	
34+00	STH 37'NB'	96' LT	10	-	
36+00	STH 37'NB'	96' LT	10	-	
STAGE 5 SUBTOTALS			130	0	
STAGE 6					
288+00	IH 94 EB	30' LT	10	-	
290+00	IH 94 EB	30' LT	10	-	
294+00	IH 94 EB	30' LT	10	-	
310+00	IH 94 EB	30' LT	10	-	
313+00	IH 94 EB	30' LT	10	-	
316+00	IH 94 EB	30' LT	10	-	
321+00	IH 94 EB	30' LT	10	-	
324+00	IH 94 EB	30' LT	10	-	
327+00	IH 94 EB	30' LT	10	-	
330+00	IH 94 EB	30' LT	10	-	
335+00	IH 94 EB	30' LT	10	-	
339+00	IH 94 EB	30' LT	10	-	
343+00	IH 94 EB	30' LT	10	-	
347+00	IH 94 EB	30' LT	10	-	
350+00	IH 94 EB	30' LT	10	-	
357+00	IH 94 EB	30' LT	10	-	
359+00	IH 94 EB	30' LT	10	-	
361+00	IH 94 EB	30' LT	10	-	
365+00	IH 94 EB	30' LT	10	-	
367+00	IH 94 EB	30' LT	10	-	
370+00	IH 94 EB	30' LT	10	-	
376+00	IH 94 EB	30' LT	10	-	
(CONTINUED)					

TEMPORARY DITCH AND CULVERT PIPE CHECKS

STATION	LOCATION	OFFSET	628.7504 TEMPORARY DITCH CHECKS LF	628.7555 CULVERT PIPE CHECKS EACH	COMMENT
(CONTINUED)					
378+00	IH 94 EB	30' LT	10	-	
380+00	IH 94 EB	30' LT	10	-	
382+00	IH 94 EB	30' LT	10	-	
384+09	IH 94 EB	42' LT	-	3	
387+00	IH 94 EB	30' LT	10	-	
389+00	IH 94 EB	30' LT	10	-	
391+00	IH 94 EB	30' LT	10	-	
393+00	IH 94 EB	30' LT	10	-	
398+00	IH 94 EB	30' LT	10	-	
412+00	IH 94 EB	65' LT	10	-	
416+00	IH 94 EB	22' LT	10	-	
418+00	IH 94 EB	22' LT	10	-	
421+00	IH 94 EB	22' LT	10	-	
423+00	IH 94 EB	22' LT	10	-	
425+00	IH 94 EB	22' LT	10	-	
427+00	IH 94 EB	22' LT	10	-	
436+00	IH 94 EB	22' LT	10	-	
451+00	IH 94 EB	30' LT	10	-	
456+00	IH 94 EB	30' LT	-	3	
456+60	IH 94 EB	30' LT	10	-	
462+00	IH 94 EB	30' LT	10	-	
465+00	IH 94 EB	30' LT	10	-	
467+00	IH 94 EB	30' LT	10	-	
472+00	IH 94 EB	30' LT	10	-	
474+00	IH 94 EB	30' LT	10	-	
476+00	IH 94 EB	30' LT	10	-	
478+00	IH 94 EB	30' LT	10	-	
481+00	IH 94 EB	30' LT	10	-	
545+00	IH 94 EB	30' LT	10	-	
547+00	IH 94 EB	30' LT	10	-	
419+00	IH 94 WB	22' LT	10	-	
STAGE 6 SUBTOTALS			510	6	
TOTALS			2,120	198	

DELINEATOR QUANTITIES

STATION	-	STATION	OFFSET	LOCATION	204.0180* REMOVING DELINEATORS AND MARKERS EACH	633.0100 DELINEATOR POSTS STEEL EACH	633.0500 DELINEATOR REFLECTOR EACH
CAT 0010							
STAGE 1							
458'WB'	-	479'WB'	LT	IH 94 WESTBOUND	10	10	10
480'WB'	-	489'WB'	LT	IH 94 WESTBOUND	9	9	18
489'WB'	-	534'WB'	LT	IH 94 WESTBOUND	11	11	11
STAGE 1 SUBTOTALS					30	30	39
STAGE 2							
390'EB'	-	448'EB'	RT	IH 94 EASTBOUND	14	14	14
448'EB'	-	456'EB'	RT	IH 94 EASTBOUND	8	8	16
457'EB'	-	480'EB'	RT	IH 94 EASTBOUND	12	12	12
482'EB'	-	500'EB'	RT	IH 94 EASTBOUND	18	18	36
500'EB'	-	534'EB	RT	IH 94 EASTBOUND	9	9	18
456'E'	-	469'E'	RT&LT	RAMP E	17	17	18
470'F'	-	480'F'	RT&LT	RAMP F	13	13	13
469+50'G'	-	482'G'	RT&LT	RAMP G	17	17	17
456'H'	-	469'H'	RT&LT	RAMP H	12	12	13
STAGE 2 SUBTOTALS					120	120	157
STAGE 3							
257'EB'	-	260'EB'	RT	IH 94 EASTBOUND	2	2	3
268'EB'	-	276'EB'	RT	IH 94 EASTBOUND	4	4	4
260'EB'	-	266+50'EB'	RT	IH 94 EASTBOUND	6	6	12
276'EB'	-	285'EB'	RT	IH 94 EASTBOUND	9	9	18
285'EB'	-	322'EB'	RT	IH 94 EASTBOUND	9	9	9
257'WB'	-	259'WB'	LT	IH 94 WESTBOUND	1	1	1
259'WB'	-	267'WB'	LT	IH 94 WESTBOUND	8	8	16
268'WB'	-	278'WB'	LT	IH 94 WESTBOUND	5	5	5
278'WB'	-	307'WB'	LT	IH 94 WESTBOUND	15	15	25
267'A'	-	278'A'	RT&LT	RAMP A	38	38	38
265'B'	-	278'B'	RT&LT	RAMP B	18	18	18
265'C'	-	276'C'	RT&LT	RAMP C	29	29	29
266+50'D'	-	278'D'	RT&LT	RAMP D	37	37	40
STAGE 3 SUBTOTALS					181	181	218
STAGE 4							
307'WB'	-	443'WB'	LT	IH 94 WESTBOUND	34	34	34
443'WB'	-	456'WB'	LT	IH 94 WESTBOUND	13	13	26
STAGE 4 SUBTOTALS					47	47	60
STAGE 5							
322'EB'	-	390'EB'	RT	IH 94 EASTBOUND	17	17	17
STAGE 5 SUBTOTALS					17	17	17
TOTALS					395	395	491

* ADDITIONAL QUANTITIES SHOWN ELSEWHERE

3

SIGNING

APPROX. STATION / LOCATION	SIGN NO.	SIGN CODE	SIGN MESSAGE	SIGN SIZE W X H (INCHES)	637.0101 SIGNS TYPE I SF	637.0202 SIGNS REFLECTIVE TYPE II SF	637.0402 SIGNS REFLECTIVE FOLDING TYPE II SF	634.0614 POSTS WOOD 4X6-INCH X 14-FT EACH	634.0616 POSTS WOOD 4X6-INCH X 16-FT EACH	635.0300 SIGN SUPPORTS REPLACING BASE CONNECT. BOLTS 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	REMARKS
IH 94 EB																	
259+92	101	E4-1A	37 Eau Claire Mondovi (Diagonal Right Arrow)	240 X 132	220.00	---	---	---	---	2	---	---	1	---	---	---	
259+92	102	E1-5	EXIT 65	108 X 30	22.50	---	---	---	---	---	---	---	1	---	---	---	
260+10	103	W13-2A	Advisory EXIT Speed w/180 Degree Loop Arrow	48 X 90	---	30.00	---	---	2	---	---	---	---	1	2	---	
264+30	105	D10-2	MILE 65	12 X 36	---	3.00	---	---	1	---	---	---	---	1	1	---	
265+12 RT	106	W5-52R	Clearance Marker Down Left	18 X 54	---	6.75	---	---	1	---	---	---	---	1	1	---	
265+12 LT	107	W5-52L	Clearance Marker Down Right	18 X 54	---	6.75	---	---	1	---	---	---	---	1	1	---	
269+48	109	E5-1A	EXIT 65 (Diagonal Right Arrow)	72 X 60	---	30.00	---	---	2	---	---	---	---	1	2	---	
271+00	110	W4-1	Merging Traffic symbol	48 X 48	---	16.00	---	---	2	---	---	---	---	1	2	---	
308+94	120	R3-4B	NO U TURN MAINTENANCE CROSSOVER VEHICLES	36 X 48	---	12.00	---	---	1	---	---	---	---	2	1	---	REMOVE EXISTING 2 SIGNS (SAME MESSAGE)
317+40	121	D10-2	MILE 66	12 X 36	---	3.00	---	---	1	---	---	---	---	1	1	---	
336+46	122	R4-3	SLOWER TRAFFIC KEEP RIGHT	48 X 60	---	20.00	---	---	2	---	---	---	---	1	2	---	
353+75 RT	126	W5-52R	Clearance Marker Down Left	18 X 54	---	6.75	---	---	1	---	---	---	---	1	1	---	
353+75 LT	127	W5-52L	Clearance Marker Down Right	18 X 54	---	6.75	---	---	1	---	---	---	---	1	1	---	
370+00	129	D10-2	MILE 67	12 X 36	---	3.00	---	---	1	---	---	---	---	1	1	---	
395+85	131	---	93 Eleva Eau Claire 1 MILE	---	---	---	---	---	---	---	1	---	---	---	---	---	RE-INSTALL SIGNS AT SAME LOCATION WITH
395+85	132	---	EXIT 68	---	---	---	---	---	---	---	1	---	---	---	---	---	ENGINEER'S APPROVAL
407+03 RT	135	W5-52R	Clearance Marker Down Left	18 X 54	---	6.75	---	---	1	---	---	---	---	1	1	---	
406+95 LT	136	W5-52L	Clearance Marker Down Right	18 X 54	---	6.75	---	---	1	---	---	---	---	1	1	---	
423+08	137	D10-2	MILE 68	12 X 36	---	3.00	---	---	1	---	---	---	---	1	1	---	
434+36	139	R3-4B	NO U TURN MAINTENANCE CROSSOVER VEHICLES	36 X 48	---	12.00	---	---	1	---	---	---	---	1	1	---	
449+21	141	---	93 Eleva Eau Claire (Diagonal Right Arrow)	---	---	---	---	---	---	---	1	---	---	---	---	---	RE-INSTALL SIGNS AT SAME LOCATION WITH
449+21	142	---	EXIT 68	---	---	---	---	---	---	---	1	---	---	---	---	---	ENGINEER'S APPROVAL
458+16	143	E5-1A	EXIT 68 (Diagonal Right Arrow)	72 X 60	---	30.00	---	---	2	---	---	---	---	1	2	---	

RAMP H																---	
460+50	145	W3-3	Signal Ahead symbol	48 X 48	---	16.00	---	---	1	---	---	---	---	1	1	---	
465+46	147	D1-2	Eau Claire Left Arrow Eleva Right Arrow	78 X 30	---	16.25	---	---	2	---	---	---	---	1	2	---	
465+46	148	R5-1A	WRONG WAY	42 X 30	---	8.75	---	1	---	---	---	---	---	1	1	---	INSTALL ON INSIDE POST OPPOSITE SIGN NO. 151
465+47	149	R5-1A	WRONG WAY	42 X 30	---	8.75	---	1	---	---	---	---	---	1	1	---	INSTALL ON LEFT SIDE FACING STH 93
467+85	150	J3-2	NORTH 93 State Route marker Arrow Left SOUTH 93 State Route marker Arrow Right	48 X 57	---	19.00	---	---	2	---	---	---	---	1	1	---	
467+85	151	R5-1	DO NOT ENTER	36 X 36	---	9.00	---	---	---	---	---	---	---	---	---	---	INSTALL ON INSIDE POST OPPOSITE SIGN NO. 154
RAMP G																	
---	153	R11-54F	RAMP CLOSED USE ALT ROUTE	48 X 30	---	---	10.00	1	---	---	---	---	---	---	---	---	INSTALL SIGN ON SOUTHBOUND STH 93
---	154	R11-54F	RAMP CLOSED USE ALT ROUTE	48 X 30	---	---	10.00	1	---	---	---	---	---	---	---	---	INSTALL SIGN ON NORTHBOUND STH 93
---	156	R11-54F	RAMP CLOSED USE ALT ROUTE	48 X 30	---	---	10.00	1	---	---	---	---	---	---	---	---	INSTALL SIGN ON NORTHBOUND STH 93
472+10	158	R5-57	PEDESTRIANS BICYCLES ... PROHIBITED	36 X 36	---	9.00	---	---	1	---	---	---	---	1	1	---	
IH 94 EB																	
473+90	160	D10-2	MILE 69	12 X 36	---	3.00	---	---	1	---	---	---	---	1	1	---	
475+70	161	W4-1	Merging Traffic symbol	48 X 48	---	16.00	---	---	2	---	---	---	---	1	2	---	
492+66	163	R2-1	SPEED LIMIT 65	48 X 60	---	20.00	---	---	2	---	---	---	---	1	2	---	
498+17	164	J4-1	EAST 94 (Interstate Route Marker)	36 X 54	---	13.50	---	---	---	---	---	---	---	1	1	---	
504+54	166	E2-1	NEXT EXIT 12 MILES	156 X 24	26.00	---	---	---	---	---	---	---	1	---	---		REPLACE POSTS W/TWO TYPE 'B' STRUCTURAL
504+54	167	E1-1A	53 Eau Claire 3/4 MILE	192 X 126	168.00	---	---	---	---	---	---	---	1	---	---	2	STEEL POSTS (16#/FT)
504+54	168	E1-5	EXIT 70	108 X 30	22.50	---	---	---	---	---	---	---	1	---	---		
514+78	170	SP-1	State Patrol Hdqrs EXIT 70	228 X 60	95.00	---	---	---	---	---	---	---	1	---	---	2	REPLACE W/2 TYPE 'A' STRUC. STL. POSTS (12#/F
522+98	172	E3-1	Altoona EXIT 70 Follow 53 North	132 X 108	99.00	---	---	---	---	---	---	---	1	---	---	---	
527+70	173	D10-2	MILE 70	12 X 36	---	3.00	---	---	1	---	---	---	---	1	1	---	
531+76	174	R3-4B	NO U TURN MAINTENANCE CROSSOVER VEHICLES	36 X 48	---	12.00	---	---	1	---	---	---	---	1	1	---	
SHEET TOTALS					653.00	356.75	30.00	5	35	2	4	0	7	31	37	4	

NOTE: ALL ITEMS AND QUANTITIES ON THIS SHEET ARE ENGINEER ESTIMATE CATEGORY 0010, UNLESS OTHERWISE NOTED.

SIGNING (CONTINUED)

APPROX. STATION / LOCATION	SIGN NO.	SIGN CODE	SIGN MESSAGE	SIGN SIZE W X H (INCHES)	637.0101 SIGNS TYPE I SF	637.0202 SIGNS REFLECTIVE TYPE II SF	637.0402 SIGNS REFLECTIVE FOLDING TYPE II SF	634.0614 POSTS WOOD 4X6-INCH X 14-FT EACH	634.0616 POSTS WOOD 4X6-INCH X 16-FT EACH	635.0300 SIGN SUPPORTS REPLACING BASE CONNECT. BOLTS 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	REMARKS
IH 94 WB																	
257+00	201	W5-52L	Clearance Marker Down Right	18 X 54	---	6.75	---	---	1	---	---	---	---	1	1	---	
257+00	202	W5-52R	Clearance Marker Down Left	18 X 54	---	6.75	---	---	1	---	---	---	---	1	1	---	
257+15	203	I3-1	Chippewa River	108 X 21	---	15.75	---	---	2	---	---	---	---	1	2	---	
262+19	204	J4-1	WEST 94 (Interstate Route Marker)	36 X 54	---	13.50	---	---	1	---	---	---	---	1 1	1	---	
264+60	205	D10-2	MILE 65	12 X 36	---	3.00	---	---	1	---	---	---	---	1	1	---	
267+36	206	W5-52R	Clearance Marker Down Left	18 X 54	---	6.75	---	---	1	---	---	---	---	1	1	---	
267+41	207	W5-52L	Clearance Marker Down Right	18 X 54	---	6.75	---	---	1	---	---	---	---	1	1	---	
273+00	208	W4-1	Merging Traffic symbol	48 X 48	---	16.00	---	---	2	---	---	---	---	1	2	---	
276+27	209	E5-1A	EXIT 65 (Diagonal Right Arrow)	72 X 60	---	30.00	---	---	2	---	---	---	---	1	2	---	
280+97	230	W13-2A	Advisory EXIT Speed w/180 Degree Loop Arrow	48 X 90	---	30.00	---	---	2	---	---	---	---	1	2	---	
282+51	231	E4-1A	37 Eau Claire Mondovi (Diagonal Right Arrow)	240 X 132	220.00	---	---	---	---	1	---	---	1	---	---	1	REPLACE INSIDE POST W/ TYPE 'B' STRUC. STEEL POST(16#/FT)'; REPLACE
282+51	232	E1-5	EXIT 65	108 X 30	22.50	---	---	---	---	---	---	---	1	---	---	---	BASE BOLTS ON FAR POST
308+15	234	R3-4B	NO U TURN MAINTENANCE CROSSOVER VEHICLES	36 X 48	---	12.00	---	---	1	---	---	---	---	2	1	---	REMOVE EXISTING 2 SIGNS (SAME MESSAGE)
312+39	235	SP-2	Chippewa River Trail EXIT 65	144 X 84	84.00	---	---	---	---	---	---	---	1	---	---	---	
316+40	236	D10-2	MILE 66	12 X 36	---	3.00	---	---	1	---	---	---		1	1	---	
318+68	237	E10-61	HOSPITAL EXIT 65	144 X 54	54.00	---	---	---	---	---	---	---	1	---	---	---	
331+77	239	E3-1	UW Eau Claire Chippewa Valley Tech College EXIT 65	204 X 120	170.00	---	---	---	---	---	---	---	1	---	---	---	
339+32	241	E2-1	NEXT EXIT 6 MILES	156 X 24	26.00	---	---	---	---	---	---	---	1	---	---	---	
339+32	242	E1-1A	37 Eau Claire Mondovi 1 MILE	192 X 162	216.00	---	---	---	---	2	---	---	1	---	---	---	
339+32	243	E1-5	EXIT 65	108 X 30	22.50	---	---	---	---	---	---	---	1	---	---	---	
355+05	246	W5-52L	Clearance Marker Down Right	18 X 54	---	6.75	---	---	1	---	---	---	---	1	1	---	
355+05	247	W5-52R	Clearance Marker Down Left	18 X 54	---	6.75	---	---	1	---	---	---	---	1	1	---	
370+20	249	D10-2	MILE 67	12 X 36	---	3.00	---	---	1	---	---	---	---	1	1	---	
408+25	251	W5-52R	Clearance Marker Down Left	18 X 54	---	6.75	---	---	1	---	---	---	---	1	1	---	
408+35	252	W5-52L	Clearance Marker Down Right	18 X 54	---	6.75	---	---	1	---	---	---	---	1	1	---	
423+00	255	D10-2	MILE 68	12 X 36	---	3.00	---	---	1	---	---	---	---	1	1	---	
430+91	257	R2-1	SPEED LIMIT 65	48 X 60	---	20.00	---	---	2	---	---	---	---	1	2	---	
433+35	258	R3-4B	NO U TURN MAINTENANCE CROSSOVER VEHICLES	36 X 48	---	12.00	---	---	1	---	---	---	---	2	1	---	REMOVE EXISTING 2 SIGNS (SAME MESSAGE)
440+90	259	J4-1	WEST 94 (Interstate Route Marker)	36 X 54	--- ---	13.50	--- ---	--- ---	--- ---	---	--- ---	--- ---	--- ---	1 1	1	--- ---	
463+16	261	W4-1	Merging Traffic symbol	48 X 48	---	16.00	---	---	2	---	---	---	---	1	2	---	
RAMP E																	
467+33	262	R5-57	PEDESTRIANS BICYCLES ... PROHIBITED	36 X 36	---	9.00	---	---	1	---	---	---	---	1	1	---	
---	263	R11-54F	RAMP CLOSED USE ALT ROUTE	48 X 30	---	---	10.00	1	---	---	---	---	---	---	---	---	INSTALL SIGN ON SOUTHBOUND STH 93
---	264	R11-54F	RAMP CLOSED USE ALT ROUTE	48 X 30	---	---	10.00	1	---	---	---	---	---	---	---	---	INSTALL SIGN ON SOUTHBOUND STH 93
---	274	R11-54F	RAMP CLOSED USE ALT ROUTE	48 X 30	---	---	10.00	1	---	---	---	---	---	---	---	---	INSTALL SIGN ON NORTHBOUND STH 93
---	275	R11-54F	RAMP CLOSED USE ALT ROUTE	48 X 30	---	---	10.00	1	---	---	---	---	---	---	---	---	INSTALL SIGN ON NORTHBOUND STH 93
RAMP F																	
468+44	265	R1-1	STOP	36 X 36	---	7.46	---	---	---	---	---	---	---	1	---	---	BAND SIGN TO LIGHT POLE
468+40	266	R1-1	STOP	36 X 36	---	7.46	---	1	---	---	---	---	---	1	1	---	
468+40	267	R6-3	Divided Highway Crossing Intersection	30 X 24	---	5.00	---	---	---	---	---	---	---	1	---	---	INSTALL SIGN BELOW SIGN NO. 266
469+55	268	R5-1	DO NOT ENTER	36 X 36	---	9.00	---	1	---	---	---	---	---	1	1	---	
470+04	269	R5-1	DO NOT ENTER	36 X 36	---	9.00	---	---	---	---	---	---	---	1	---	---	INSTALL SIGN OPPOSITE SIGN NO. 270
470+04	270	J3-2	SOUTH 93 State Route marker Arrow Left NORTH 93 State Route marker Arrow Right	48 X 57	---	19.00	---	---	2	---	---	---	---	1	1	---	
472+01	271	R5-1A	WRONG WAY	42 X 30	---	8.75	---	---	---	---	---	---	---	1	---	---	INSTALL ON INSIDE POST OPPOSITE SIGN NO. 272
472+01	272	D1-2	Eleva Left Arrow Eau Claire Right Arrow	78 X 30	--- ---	16.25	--- ---	--- ---	2	---	--- ---	--- ---	--- ---	1	2	--- ---	
472+01	273	R5-1A	WRONG WAY	42 X 30	---	8.75	---	1		---	---	---	---	1	1	---	
475+76	277	W3-1	Stop Ahead symbol	48 X 48	---	16.00	---	---	2	---	---	---	---	1	2	---	EXISTING SIGN LEGEND IS "STOP AHEAD"
IH 94 WB																---	
473+20	276	D10-2	MILE 69	12 X 36	---	3.00	---	---	1	---	---	---	---	1	1	---	
478+12	278	E5-1A	EXIT 68 (Diagonal Right Arrow)	72 X 60	---	30.00	---	---	2	---	---	---	---	1	2	---	
487+08	279	---	93 Eleva Eau Claire (Diagonal Right Arrow)	---	---	---	---	---	---	---	1	---	---	---	---	---	RE-INSTALL SIGNS AT SAME LOCATION WITH ENGINEER'S APPROVAL
487+08	280	---	EXIT 68	---	---	---	---	---	---	---	1	---	---	---	---	---	
507+65	283	R8-7	EMERGENCY STOPPING ONLY	48 X 36	---	12.00	---	---	1	---	---	---	---	1	1	---	
516+33	285	R2-1	SPEED LIMIT 65	48 X 60	---	20.00	---	---	2	---	---	---	---	1	2	---	
524+12	287	R4-3	SLOWER TRAFFIC KEEP RIGHT	48 X 60	---	20.00	---	---	2	---	---	---	---	1	1	---	
525+60	288	D10-2	MILE 70	12 X 36	---	3.00	---	---	1	---	---	---	---	1	1	---	
527+09	289	---	93 Eleva Eau Claire 3/4 MILE	---	---	---	---	---	---	---	1	---	---	---	---	---	RE-INSTALL SIGNS AT SAME LOCATION WITH ENGINEER'S APPROVAL
527+09	290	---	EXIT 68	---	---	---	---	---	---	---	1	---	---	---	---	---	
530+90	292	R3-4B	NO U TURN MAINTENANCE CROSSOVER VEHICLES	36 X 48	---	12.00	---	---	1	---	---	---	---	1	---	---	SINGLE POST REMOVED FOR EB SIGN
531+08	293	J4-1	WEST 94 (Interstate Route Marker)	36 X 54	--- ---	13.50	--- ---	--- ---	1	---	--- ---	--- ---	--- ---	1 1	1	--- ---	
SHEET TOTALS					815.00	473.92	40.00	7	45	3	4	0	8	46	46	1	

NOTE: ALL ITEMS AND QUANTITIES ON THIS SHEET ARE ENGINEER ESTIMATE CATEGORY 0010, UNLESS OTHERWISE NOTED.

SIGNING (CONTINUED)

APPROX. STATION / LOCATION	SIGN NO.	SIGN CODE	SIGN MESSAGE	SIGN SIZE W X H (INCHES)	637.0101 SIGNS TYPE I SF	637.0202 SIGNS REFLECTIVE TYPE II SF	637.0402 SIGNS REFLECTIVE FOLDING TYPE II SF	634.0614 POSTS WOOD 4X6-INCH X 14-FT EACH	634.0616 POSTS WOOD 4X6-INCH X 16-FT EACH	638.2102 MOVING SIGNS TYPE II EACH	638.2602 REMOVING SIGNS TYPE II EACH	638.3000 REMOVING SMALL SIGN SUPPORTS EACH	REMARKS
RAMP D													
269+79	81	W3-3	Signal Ahead symbol	48 X 48	---	16.00	---	---	1	---	1	1	
269+52	82	W1-8	Chevron	36 X 48	---	12.00	---	1	---	---	---	---	
270+30	83	W1-8	Chevron	36 X 48	---	12.00	---	1	---	---	---	---	
271+08	84	W1-8	Chevron	36 X 48	---	12.00	---	1	---	---	---	---	
271+80	85	W1-8	Chevron	36 X 48	---	12.00	---	1	---	---	---	---	
272+52	86	W1-8	Chevron	36 X 48	---	12.00	---	1	---	---	---	---	
273+32	87	W1-8	Chevron	36 X 48	---	12.00	---	1	---	---	---	---	
272+96	88	D1-3	UW Eau Claire Right Arrow Chippewa Valley Tech College Right Arrow	102 X 36	--- ---	25.50	--- ---	--- ---	2	--- ---	1	2	
274+42	89	D1-3	Mondovi Durand Left Arrow Eau Claire Right Arrow	78 X 36	--- ---	19.50	--- ---	--- ---	2	--- ---	1	---	
274+42	90	D7-58R	Chippewa River State Trail Right Arrow	72 X 36	---	18.00	---	---	---	---	1	---	INSTALL SIGN BELOW SIGN NO. 93
276+12	91	R5-1A	WRONG WAY	36 X 24	---	6.00	---	1	---	---	1	1	INSTALL SIGN FACING WEST
277+43	92	J3-3	SOUTH 37 (State Route Marker) Left Arrow NORTH 37 (State Route Marker) Right Arrow H (Hospital) Right Arrow	72 X 57	--- --- --- --- --- --- --- --- ---	28.50	--- --- --- --- --- --- --- --- ---	--- --- --- --- --- --- --- --- ---	2	--- --- --- --- --- --- --- --- ---	1 1 1 1 1 1 1 1 1	2	
278+04	94	R1-1F	STOP (folding)	36 X 36	---	---	7.46	---	---	---	1	---	BAND SIGN ON SIGNAL POLE
278+04	95	R1-1F	STOP (folding)	36 X 36	---	---	7.46	---	---	---	1	---	BAND SIGN ON SIGNAL POLE IN ISLAND
278+04	96	R6-3	Divided Highway Crossing Intersection	30 X 24	---	5.00	---	---	---	---	1	---	BAND SIGN ON SIGNAL POLE BELOW SIGN NO. 98
RAMP C													
266+10	98	R5-57	PEDESTRIANS BICYCLES ... PROHIBITED	36 X 36	---	9.00	---	---	---	---	1	1	
RAMP B													
274+94	210	W3-3	Signal Ahead symbol	48 X 48	---	16.00	---	---	1	---	1	1	
274+27	211	W1-8	Chevron	36 X 48	---	12.00	---	1	---	---	1	1	
273+25	212	W1-8	Chevron	36 X 48	---	12.00	---	1	---	---	1	1	
272+34	213	W1-8	Chevron	36 X 48	---	12.00	---	1	---	---	1	1	
271+40	214	W1-8	Chevron	36 X 48	---	12.00	---	1	---	---	1	1	
271+85	215	D1-3	UW Eau Claire Right Arrow Chippewa Valley Tech College Right Arrow	102 X 36	--- ---	25.50	--- ---	--- ---	2	--- ---	1	2	
271+85	216	D7-58R	Chippewa River State Trail Right Arrow	72 X 36	---	18.00	---	---	---	---	1	---	INSTALL SIGN BELOW SIGN NO. 215
269+07	218	D1-3	Mondovi Durand Left Arrow Eau Claire Right Arrow	78 X 36	--- ---	19.50	--- ---	--- ---	2	--- ---	1	2	
269+07	219	R5-1A	WRONG WAY	42 X 30	---	8.75	---	1	---	---	1	---	INSTALL ON INSIDE POST OPPOSITE SIGN NO. 218
266+19	221	R5-1	DO NOT ENTER	36 X 36	---	9.00	---	---	---	---	1	---	INSTALL ON INSIDE POST OPPOSITE S-I-S SIGN
265+08	222	J3-3	SOUTH 37 (State Route Marker) Left Arrow NORTH 37 (State Route Marker) Right Arrow H (Hospital) Right Arrow	72 X 57	--- --- --- --- --- --- --- --- ---	28.50	--- --- --- --- --- --- --- --- ---	--- --- --- --- --- --- --- --- ---	2	--- --- --- --- --- --- --- --- ---	1 1 1 1 1 1 1 1 1	2	
264+33	223	R1-1F	STOP (folding)	36 X 36	---	---	7.46	---	---	---	1	---	BAND SIGN ON SIGNAL POLE
264+24	224	R1-1F	STOP (folding)	36 X 36	---	---	7.46	---	---	---	1	---	BAND SIGN ON SIGNAL POLE IN ISLAND
264+24	225	R6-3A	Divided Highway T Intersection	30 X 24	---	5.00	---	---	---	---	1	---	BAND SIGN ON SIGNAL POLE BELOW SIGN NO. 98
RAMP A													
277+15	227	W13-3	RAMP 25 M.P.H.	48 X 72	---	24.00	---	---	2	---	1	2	
276+15	228	R5-57	PEDESTRIANS BICYCLES ... PROHIBITED	36 X 36	---	9.00	---	---	1	---	1	1	
274+20	229	J4-1	WEST 94 (Interstate Route Marker)	24 X 36	--- ---	6.00	--- ---	1	--- ---	--- ---	1	1	EXISTING SIGN IS J-STYLE ON ONE BOARD
SHEET TOTALS					0.00	416.75	29.84	13	17	0	41	22	

NOTE: ALL ITEMS AND QUANTITIES ON THIS SHEET ARE ENGINEER ESTIMATE CATEGORY 0010, UNLESS OTHERWISE NOTED.

SIGNING (CONTINUED)

APPROX. STATION / LOCATION	SIGN NO.	SIGN CODE	SIGN MESSAGE	SIGN SIZE W X H (INCHES)	637.0101 SIGNS TYPE I SF	637.0202 SIGNS REFLECTIVE TYPE II SF	637.0402 SIGNS REFLECTIVE FOLDING TYPE II SF	634.0614 POSTS WOOD 4X6-INCH X 14-FT EACH	634.0616 POSTS WOOD 4X6-INCH X 16-FT 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	638.4000 MOVING SMALL SIGN SUPPORTS EACH	REMARKS
STH 37															
6+60 NB	1	W5-52L	Clearance Marker Down Right	12 X 36	---	3.00	---	1	---	---	---	1	1	---	
6+86 NB	2	W5-52R	Clearance Marker Down Left	12 X 36	---	3.00	---	1	---	---	---	1	1	---	
7+76 SB	3	W5-52R	Clearance Marker Down Left	12 X 36	---	3.00	---	1	---	---	---	1	1	---	
7+95 NB	4	W5-52L	Clearance Marker Down Right	12 X 36	---	3.00	---	1	---	---	---	1	1	---	
9+92 SB	5	W4-2L	Lane Reduction Transition symbol	36 X 36	---	9.00	---	---	1	---	---	1	1	---	
9+92 NB	6	J1-1	JCT 94 (Interstate Route Marker)	36 X 57	---	14.25	---	---	2	---	---	1 1	1	---	
11+87 NB	7	R4-7	Keep Right symbol	36 x 48	---	12.00	---	1	---	---	---	1	1	---	
11+97 NB	8	R5-1	DO NOT ENTER	36 X 36	---	9.00	---	---	1	---	---	1	1	---	
12+03 SB	9	W6-3	Two-Way Traffic symbol	36 X 36	---	9.00	---	---	1	---	---	1	1	---	
14+40 SB	10	W9-62	THIS LANE ENDS	48 X 60	---	20.00	---	---	---	---	---	1	---	---	INSTALL SIGN ON CANTILEVER MONOTUBE
15+03 NB	11	J3-2	WEST 94 Interstate Route marker Ahead arrow EAST 94 Interstate Route marker Advance arrow Right	72 X 84	---	42.00	---	---	2	---	---	1	1	---	EXISTING SIGN IS J ASSEMBLY ON ONE BOARD
15+05 NB	12	---	RAMP CLOSED USE ALT ROUTE	---	---	---	---	---	---	1	---	---	---	1	
16+10 SB	13	R5-1A	WRONG WAY	42 X 30	---	8.75	---	1	---	---	---	1	1	---	
16+27 NB RT	14	W3-3	Signal Ahead symbol	36 X 36	---	9.00	---	---	1	---	---	1	1	---	
16+27 NB LT	15	W3-3	Signal Ahead symbol	36 X 36	---	9.00	---	---	1	---	---	1	1	---	
17+48 NB	16	R2-1	SPEED LIMIT 45	36 X 48	---	12.00	---	---	1	---	---	1	1	---	
17+62 NB	17	R3-20L	BEGIN LEFT TURN LANE	36 X 54	---	13.50	---	---	1	---	---	---	---	---	
19+66 SB	18	W6-2	Divided Highway Ends symbol	36 X 36	---	9.00	---	---	1	---	---	1	1	---	
20+12 NB	20	D1-3	Eau Claire St Paul Ahead Arrow Madison Right Arrow	72 X 36	--- ---	18.00	--- ---	---	2	--- ---	--- ---	1	1 1	--- ---	
20+12 NB	21	R5-1A	WRONG WAY	42 X 30	---	8.75	---	---	---	---	---	1	1	---	INSTALL ON INSIDE POST OPPOSITE SIGN NO. 20
20+80 SB	22	R2-1	SPEED LIMIT 45	36 X 48	---	12.00	---	---	1	---	---	1	1	---	
21+80 SB	24	D2-2	Mondovi 18 Durand 26 SOUTH	72 X 24	---	12.00	---	2	---	---	---	1 1	2	---	
22+75 SB	25	J4-1	37 (State Route Marker) EAST	36 X 54	--- ---	13.50	---	---	1	---	---	1	---	---	
23+20 NB	26	J3-1	94 (Interstate Route Marker) Right Arrow	36 X 84	--- ---	21.00	---	---	2	---	---	1	1	---	
23+22 NB	27	---	RAMP CLOSED USE ALT ROUTE	---	---	---	---	---	---	1	---		---	1	
23+40 SB	29	R3-4	No U-Turn symbol	36 X 36	---	9.00	---	---	---	---	---	1	---	---	BAND SIGN ON SIGNAL POLE FACING SOUTH
23+40 SB	30	R4-7	Keep Right symbol	36 X 48	---	12.00	---	---	---	---	---	1	---	---	BAND SIGN ON SIGNAL POLE FACING NORTH
23+38 NB	31	R6-2L	ONE WAY left arrow	30 X 36	---	7.50	---	---	---	---	---	1	---	---	BAND SIGN ON SIGNAL POLE FACING JOPKE RD
23+38 NB	32	R5-1	DO NOT ENTER	36 X 36	---	9.00	---	---	---	---	---	1	---	---	BAND SIGN ON SIGNAL POLE FACING NORTH
23+90 SB	33	R6-2L	ONE WAY left arrow	30 X 36	---	7.50	---	---	---	---	---	1	---	---	BAND SIGN ON SIGNAL POLE FACING RAMPS
23+90 SB	34	R1-1F	STOP (folding)	36 X 36	---	---	7.46	1	---	---	---	1	---	---	
23+90 SB	35	R6-3	Divided Highway Crossing Intersection	30 X 24	---	5.00	---	---	---	---	---	1	---	---	INSTALL BELOW SIGN NO. 34 FACING JOPKE RD
24+16 NB	36	R4-7	Keep Right symbol	36 X 48	---	12.00	---	---	---	---	---	1	---	---	BAND SIGN ON SIGNAL POLE FACING JOPKE RD
24+44 NB	37	R6-2L	ONE WAY left arrow	30 X 36	---	7.50	---	---	---	---	---	1	---	---	BAND SIGN ON SIGNAL POLE FACING JOPKE RD
24+69 NB	38	R4-7	Keep Right symbol	36 X 48	---	12.00	---	---	---	---	---	1	---	---	BAND SIGN ON SIGNAL POLE FACING SOUTH
24+93 SB	39	R5-1	DO NOT ENTER	36 X 36	---	9.00	---	---	---	---	---	1	---	---	BAND SIGN ON SIGNAL POLE FACING SOUTH
24+93 SB	40	R6-2L	ONE WAY left arrow	30 X 36	---	7.50	---	---	---	---	---	1	---	---	BAND SIGN ON SIGNAL POLE FACING RAMPS
25+15 SB	42	---	RAMP CLOSED USE ALT ROUTE EAST	---	--- ---	---	--- ---	---	---	1 ---	--- ---	---	--- ---	1 ---	
25+20 SB	43	J3-1	94 (Interstate Route Marker) Left Arrow	36 X 84	--- ---	21.00	--- ---	---	2	--- ---	--- ---	1	--- ---	--- ---	EXISTING ASSEMBLY IS BANDED TO LIGHT POLE
26+03 SB	44	R5-1A	WRONG WAY	42 X 30	---	8.75	---	1	---	---	---	1	1	---	
26+19 NB	45	---	Low Clearance Sign 15'-7"	---	---	---	---	---	---	---	---	1	1	---	
28+30 NB	46	I55-56	A-A-H sponsor UWEC-AMERICAN MARKETING ASSOC	30 x 36	---	7.50	---	1	---	---	---	1	1	---	
29+50 NB	48	E6-1	37 NORTH Eau Claire (Down Arrow)	168 x 126	147.00	---	---	---	---	---	1	---	---	---	USE ITEM "SIGN BRIDGE STRUCTURE MOUNTED"
29+50 NB	49	E6-1	94 WEST St Paul (Advance Arrow Right)	168 x 90	105.00	---	---	---	---	---	1	---	---	---	USE ITEM "SIGN BRIDGE STRUCTURE MOUNTED"
31+12 SB	50	E6-1	94 EAST Madison (Advance Arrow Left)	168 x 90	105.00	---	---	---	---	---	1	---	---	---	USE ITEM "SIGN BRIDGE STRUCTURE MOUNTED"
31+12 SB	51	E6-51	37 SOUTH Mondovi Durand (Down Arrows)	204 x 156	221.00	---	---	---	---	---	1	---	---	---	USE ITEM "SIGN BRIDGE STRUCTURE MOUNTED"
32+30 SB	52	---	LEFT LANE MUST TURN LEFT	---	---	---	---	---	---	---	---	1	1	---	
SHEET TOTALS					578.00	409.00	7.46	11	20	3	4	41	26	3	

NOTE: ALL ITEMS AND QUANTITIES ON THIS SHEET ARE ENGINEER ESTIMATE CATEGORY 0010, UNLESS OTHERWISE NOTED.

SIGNING (CONTINUED)

APPROX. STATION / LOCATION	SIGN NO.	SIGN CODE	SIGN MESSAGE	SIGN SIZE W X H (INCHES)	637.0101 SIGNS TYPE I SF	637.0202 SIGNS REFLECTIVE TYPE II SF	637.0402 SIGNS REFLECTIVE FOLDING TYPE II SF	634.0614 POSTS WOOD 4X6-INCH X 14-FT EACH	634.0616 POSTS WOOD 4X6-INCH X 16-FT 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	638.4000 MOVING SMALL SIGN SUPPORTS EACH	REMARKS
33+02 SB	53	R3-7L	LEFT LANE MUST TURN LEFT	36 X 36	---	9.00	---	1	---	---	---	---	---	---	
33+68 SB	54	I55-56	A-A-H sponsor LITTLE RED CARDINALS 4-H CLUB	30 x 36	---	7.50	---	1	---	---	---	1	1	---	
33+70 NB	55	R5-1A	WRONG WAY	42 X 30	---	8.75	---	---	---	---	---	1	1	---	INSTALL SIGN FACING NORTH
			WEST		---		---	---		---	---			---	
35+12 NB	56	J3-1	94 (Interstate Route Marker)	36 X 84	---	21.00	---	---	2	---	---	1	1	---	
			Right Arrow		---		---	---		---	---			---	
35+15 NB	58	---	RAMP CLOSED USE ALT ROUTE	---	---	---	---	---	---	1	---	---	---	1	
35+27 NB	59	R6-2L	ONE WAY left arrow	30 X 36	---	7.50	---	---	---	---	---	1	---	---	BAND SIGN ON SIGNAL POLE FACING WEST
35+27 NB	60	R5-1	DO NOT ENTER	36 X 36	---	9.00	---	---	---	---	---	1	---	---	BAND SIGN ON SIGNAL POLE FACING NORTH
35+47 SB	61	R4-7	Keep Right symbol	36 X 48	---	12.00	---	---	---	---	---	1	---	---	BAND SIGN ON SIGNAL POLE
35+47 SB	62	R3-4	No U-Turn symbol	36 X 36	---	9.00	---	---	---	---	---	1	---	---	BAND SIGN ON SIGNAL POLE BELOW SIGN NO. 61
36+09 NB	64	R4-7	Keep Right symbol	36 X 48	---	12.00	---	1	---	---	---	1	1	---	INSTALL SIGN FACING WEST
36+26 SB	65	R6-2L	ONE WAY left arrow	30 X 36	---	7.50	---	---	---	---	---	1	---	---	BAND SIGN ON SIGNAL POLE FACING RAMPS
36+80 SB	67	R5-1	DO NOT ENTER	36 X 36	---	9.00	---	---	---	---	---	1	---	---	BAND SIGN ON SIGNAL POLE FACING SOUTH
37+14 SB	68	---	RAMP CLOSED USE ALT ROUTE	---	---	---	---	---	---	1	---	---	---	1	
			WEST		---		---	---		---	---			---	
37+19 SB	69	J3-1	94 (Interstate Route Marker)	36 X 84	---	21.00	---	---	2	---	---	1	1	---	
			Left Arrow		---		---	---		---	---			---	
			NORTH		---		---	---		---	---	1		---	
37+89 NB	70	J4-1	37 (State Route Marker)	36 X 54	---	13.50	---	---	1	---	---	1	1	---	
38+43 SB	71	R5-1A	WRONG WAY	42 X 30	---	8.75	---	1	---	---	---	1	1	---	INSTALL SIGN FACING SOUTH
38+43 SB	73	---	Low Clearance Sign 14'-9"	---	---	---	---	---	---	---	---	1		---	REMOVE SIGN ONLY
38+75 SB	74	R3-20L	BEGIN LEFT TURN LANE	36 X 54	---	13.50	---	---	1	---	---	---	---	---	
39+68 NB	76	R2-1	SPEED LIMIT 45	36 X 48	---	12.00	---	---	1	---	---	1	1	---	
			WEST		---		---	---		1	---	---		---	
45+55 SB	78	---	94 (Interstate Route Marker)	---	---	---	---	---	1	1	---	---	1	---	INSTALL IN MEDIAN WHEN TEMPORARY CROSSOVER IS REMOVED
			Advance Arrow Left		---		---	---		1	---	---		---	
45+54 SB	79	---	RAMP CLOSED USE ALT ROUTE	---	---	---	---	---	---	1	---	---	---	1	INSTALL IN MEDIAN WHEN TEMPORARY CROSSOVER IS REMOVED
SHEET TOTALS					0.00	181.00	0.00	4	8	6	0	16	9	3	

NOTE: ALL ITEMS AND QUANTITIES ON THIS SHEET ARE ENGINEER ESTIMATE CATEGORY 0010, UNLESS OTHERWISE NOTED.

SIGNING TOTALS

I.D. 1022-08-73	635.0200 SIGN SUPPORTS STRUCTURAL STEEL HS LB	635.0300 SIGN SUPPORTS REPLACING BASE CONNECT. BOLTS EACH	637.0101 SIGNS TYPE I SF	637.0202 SIGNS REFLECTIVE TYPE II SF	637.0402 SIGNS REFLECTIVE FOLDING TYPE II SF	634.0614 POSTS WOOD 4X6-INCH X 14-FT EACH	634.0616 POSTS WOOD 4X6-INCH X 16-FT 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	638.4000 MOVING SMALL SIGN SUPPORTS EACH	641.5100 SIGN BRIDGE STRUCTURE MOUNTED LS
PROJECT SIGNING ITEMS TOTALS	2080	5	2,046.00	1,837.42	107.30	40	125	8	9	19	175	140	5	6	4

PAVEMENT MARKING

STATION	-	STATION	OFFSET	LOCATION	646.0106 PAVEMENT MARKING EPOXY 4-INCH LF	646.0126 PAVEMENT MARKING EPOXY 8-INCH LF	TYPE
CAT 0010							
256'EB'+58	-	291'EB'+50	LT	IH 94 EASTBOUND	3,492	---	YELLOW
307'EB'+00	-	534'EB'+15	LT	IH 94 EASTBOUND	22,715	---	YELLOW
256'EB'+58	-	291'EB'+50	RT	IH 94 EASTBOUND	3,492	---	WHITE
307'EB'+00	-	534'EB'+15	RT	IH 94 EASTBOUND	22,715	---	WHITE
256'WB'+88	-	295'WB'+50	RT	IH 94 WESTBOUND	3,862	---	YELLOW
307'WB'+00	-	533'WB'+95.5	RT	IH 94 WESTBOUND	22,696	---	YELLOW
256'WB'+88	-	295'WB'+50	LT	IH 94 WESTBOUND	3,862	---	WHITE
307'WB'+00	-	533'WB'+95.5	LT	IH 94 WESTBOUND	22,696	---	WHITE
267'A'+19	-	277'A'+61	LT	RAMP A	1,042	---	WHITE
269'A'+02	-	278'A'+11	RT	RAMP A	909	---	YELLOW
264'B'+11	-	281'B'+62	LT	RAMP B	1,751	---	WHITE
264'B'+25	-	277'B'+79	RT	RAMP B	1,354	---	YELLOW
280'WB'+77	-	288'WB'+25	LT	IH 94 WESTBOUND	187	---	DOTTED EXT.
264'B'+37	-	266'B'+28	RT	RAMP B TURN LANES	---	191	WHITE
264'B'+38	-	264'B'+52	LT	RAMP B TURN ISLAND	---	14	WHITE
264'C'+95	-	275'C'+48	LT	RAMP C	1,053	---	YELLOW
265'C'+48	-	277'C'+17	RT	RAMP C	1,169	---	WHITE
269'D'+31	-	278'D'+20	LT	RAMP D	889	---	YELLOW
266'D'+58	-	278'D'+07	RT	RAMP D	1,149	---	WHITE
259'EB'+35	-	267'EB'+28	RT	IH 94 EASTBOUND	198	---	DOTTED EXT.
276'D'+67	-	278'D'+06	RT	RAMP D TURN LANES	---	139	WHITE
277'D'+91	-	278'D'+05	LT	RAMP D TURN ISLAND	---	14	WHITE
455'E'+17	-	468'E'+68	LT	RAMP E	1,351	---	WHITE
458'E'+84	-	468'E'+68	RT	RAMP E	984	---	YELLOW
468'F'+98	-	479'F'+93	LT	RAMP F	1,095	---	WHITE
470'F'+00	-	478'F'+49	RT	RAMP F	849	---	YELLOW
480'WB'+65	-	488'WB'+60	LT	IH 94 WESTBOUND	199	---	DOTTED EXT.
468'F'+99	-	471'F'+08	RT	RAMP F RT TURN LN	---	209	WHITE
469'G'+76	-	479'G'+31	LT	RAMP G	955	---	YELLOW
469'G'+76	-	482'G'+71	RT	RAMP G	1,295	---	WHITE
457'H'+84	-	469'H'+26	LT	RAMP H	1,142	---	YELLOW
456'H'+41	-	469'H'+26	RT	RAMP H	1,285	---	WHITE
448'EB'+15	-	455'EB'+69	RT	IH 94 EASTBOUND	189	---	DOTTED EXT.
466'H'+59	-	469'H'+26	LT	RAMP H RT TURN LN	---	267	WHITE
8'NB'+04	-	23'NB'+27	RT	STH 37 NORTHBOUND	1,523	---	WHITE
8'NB'+04	-	11'NB'+87	LT	STH 37 NORTHBOUND	766	---	DBL.YELLOW
11'NB'+87	-	23'NB'+22	LT	STH 37 NORTHBOUND	1,135	---	YELLOW
25'NB'+18	-	35'NB'+16	RT	STH 37 NORTHBOUND	998	---	WHITE
33'NB'+66	-	35'NB'+41	LT	STH 37 NORTHBOUND	1,052	---	YELLOW
37'NB'+09	-	40'NB'+00	RT	STH 37 NORTHBOUND	291	---	WHITE
36'NB'+67	-	40'NB'+00	LT	STH 37 NORTHBOUND	333	---	YELLOW
18'NB'+80	-	21'NB'+14	CL	STH 37 NB TURN BAY	---	234	WHITE
18'NB'+80	-	21'NB'+14	LT	STH 37 NB TURN BAY	---	235	WHITE
21'NB'+77	-	23'NB'+39	RT	STH 37 NB RT TURN LN	---	162	WHITE
33'NB'+66	-	35'NB'+41	RT	STH 37 NB RT TURN LN	---	175	WHITE
8'SB'+08	-	23'SB'+63	LT	STH 37 SOUTHBOUND	1,555	---	WHITE
			CL	JOPKE RD	66	---	DBL.YELLOW
(CONTINUED)							

PAVEMENT MARKING

STATION	-	STATION	OFFSET	LOCATION	646.0106 PAVEMENT MARKING EPOXY 4-INCH LF	646.0126 PAVEMENT MARKING EPOXY 8-INCH LF	TYPE
(CONTINUED)							
8'SB'+08	-	11'SB'+91	RT	STH 37 SOUTHBOUND	766	---	DBL.YELLOW
11'SB'+91	-	23'SB'+25	RT	STH 37 SOUTHBOUND	1,134	---	YELLOW
25'SB'+02	-	40'SB'+00	LT	STH 37 SOUTHBOUND	1,498	---	WHITE
24'SB'+92	-	35'SB'+21	RT	STH 37 SOUTHBOUND	1,030	---	YELLOW
36'SB'+70	-	40'SB'+00	RT	STH 37 SOUTHBOUND	330	---	YELLOW
24'SB'+92	-	27'SB'+02	LT	STH 37 SB RT TURN LN	---	210	WHITE
25'SB'+61	-	29'SB'+08	CL	STH 37 SB TURN BAY	---	347	WHITE
25'SB'+61	-	27'SB'+29	CL	STH 37 SB TURN BAY	---	168	WHITE
29'SB'+08	-	33'SB'+00	CL	STH 37 SB LT TURN LN	---	98	DROP LANE DASH
37'SB'+12	-	39'SB'+33	CL	STH 37 SB TURN BAY	---	221	WHITE
37'SB'+12	-	38'SB'+83	CL	STH 37 SB TURN BAY	---	159	WHITE
25'SB'+61	-	27'SB'+29	RT	STH 37 SB LT TURN ISLAND	---	168	WHITE
TOTALS					137,051	3,011	

PAVEMENT MARKING TAPE

STATION	-	STATION	OFFSET	LOCATION	646.0841.S PM GROOVED WET REFLECTIVE CONTRAST TAPE 4-INCH LF	646.0843.S PM GROOVED WET REFLECTIVE CONTRAST TAPE 8-INCH LF
CAT 0010						
256'EB'+58	-	291'EB'+50	CL	IH 94 EASTBOUND	873	---
307'EB'+00	-	534'EB'+15	CL	IH 94 EASTBOUND	5,679	---
267'EB'+28	-	269'EB'+37	RT	IH 94 EASTBOUND	---	259
267'D'+27	-	269'D'+31	LT	RAMP D	---	204
275'EB'+41	-	281'EB'+00	RT	IH 94 EASTBOUND	---	609
275'C'+48	-	281'C'+00	LT	RAMP C	---	552
455'EB'+68	-	457'EB'+90	RT	IH 94 EASTBOUND	---	272
455'H'+66	-	457'H'+84	LT	RAMP H	---	218
479'EB'+27	-	485'EB'+09	RT	IH 94 EASTBOUND	---	632
479'G'+31	-	485'G'+09	LT	RAMP G	---	578
256'WB'+88	-	295'WB'+50	CL	IH 94 WESTBOUND	966	---
307'WB'+00	-	533'WB'+95.5	CL	IH 94 WESTBOUND	5,674	---
264'WB'+86	-	269'WB'+08	LT	IH 94 WESTBOUND	---	472
264'A'+86	-	269'A'+02	RT	RAMP A	---	416
277'WB'+78	-	280'WB'+77	LT	IH 94 WESTBOUND	---	349
277'B'+79	-	280'B'+78	RT	RAMP B	---	299
452'WB'+60	-	458'WB'+88	LT	IH 94 WESTBOUND	---	678
452'E'+60	-	458'E'+84	RT	RAMP E	---	624
478'WB'+42	-	480'WB'+65	LT	IH 94 WESTBOUND	---	273
478'F'+49	-	480'F'+66	RT	RAMP F	---	217
8'NB'+04	-	40'NB'+00	CL	STH 37 NORTHBOUND	799	---
8'SB'+08	-	40'SB'+00	CL	STH 37 SOUTHBOUND	798	---
TOTALS					14,789	6,652

PAVEMENT MARKING

STATION	-	STATION	OFFSET	LOCATION	647.0166 PAVEMENT MARKING ARROWS TYPE 2 EPOXY EACH	647.0176 PAVEMENT MARKING ARROWS TYPE 3 EPOXY EACH	647.0356 PAVEMENT MARKING WORDS EPOXY EACH	647.0456 PAVEMENT MARKING CURB EPOXY LF	647.0566 PAVEMENT MARKING STOP LINE EPOXY 18-INCH LF	647.0736 PAVEMENT MARKING DIAGONAL EPOXY 18-INCH LF	647.0803 PM AERIAL ENFORCEMENT BARS EPOXY 24-INCH LF
CAT 0010											
266'B'+08			LT	RAMP B RT TURN LN	1	---	---	---	---	---	---
266'B'+08			LT	RAMP B LT TURN LN	1	---	---	---	---	---	---
264'B'+18			LT	RAMP B RT TURN LN	---	---	---	---	24	---	---
264'B'+25			RT	RAMP B LT TURN LN	---	---	---	---	15	---	---
276'D'+88			RT	RAMP D RT TURN LN	1	---	---	---	---	---	---
276'D'+88			RT	RAMP D AHEAD/LT TURN LN	---	1	---	---	---	---	---
278'D'+20			RT	RAMP D RT TURN LN	---	---	---	---	26	---	---
278'D'+23			LT	RAMP D AHEAD/LT TURN LN	---	---	---	---	17	---	---
9'NB'+37	-	11'NB'+77	LT	STH 37 MEDIAN	---	---	---	---	---	90	---
23'NB'+39			RT	STH 37 NORTHBOUND	---	---	---	---	41	---	---
23'NB'+39			LT	STH 37 NORTHBOUND	---	---	---	---	12	---	---
23'NB'+25			RT	STH 37 MEDIAN ISLAND	---	---	---	64	---	---	---
24'NB'+89			LT	STH 37 MEDIAN ISLAND	---	---	---	70	---	---	---
35'NB'+41			RT	STH 37 NORTHBOUND	---	---	---	---	46	---	---
35'NB'+18			LT	STH 37 MEDIAN ISLAND	---	---	---	123	---	---	---
			LT	JOPKE RD	---	---	---	---	17	---	---
24'SB'+72			RT	STH 37 SOUTHBOUND	---	---	---	---	12	---	---
24'SB'+92			LT	STH 37 SOUTHBOUND	---	---	---	---	42	---	---
28'SB'+28			RT	STH 37 SB LT TURN LN	1	---	---	---	---	---	---
28'SB'+70			RT	STH 37 SB LT TURN LN	---	---	1	---	---	---	---
30'SB'+38			RT	STH 37 SB LT TURN LN	1	---	---	---	---	---	---
30'SB'+80			RT	STH 37 SB LT TURN LN	---	---	1	---	---	---	---
32'SB'+48			RT	STH 37 SB LT TURN LN	1	---	---	---	---	---	---
32'SB'+90			RT	STH 37 SB LT TURN LN	---	---	1	---	---	---	---
36'SB'+70			RT	STH 37 MEDIAN ISLAND	---	---	---	78	---	---	---
36'SB'+57			LT	STH 37 SOUTHBOUND	---	---	---	---	24	---	---
36'SB'+57			RT	STH 37 SOUTHBOUND	---	---	---	---	12	---	---
423'EB'+12			RT & LT	IH 94 EASTBOUND	---	---	---	---	---	---	12
429'EB'+72			RT & LT	IH 94 EASTBOUND	---	---	---	---	---	---	12
436'EB'+32			RT & LT	IH 94 EASTBOUND	---	---	---	---	---	---	12
442'EB'+92			RT & LT	IH 94 EASTBOUND	---	---	---	---	---	---	12
449'EB'+52			RT & LT	IH 94 EASTBOUND	---	---	---	---	---	---	12
423'WB'+00			RT & LT	IH 94 WESTBOUND	---	---	---	---	---	---	12
429'WB'+60			RT & LT	IH 94 WESTBOUND	---	---	---	---	---	---	12
436'WB'+20			RT & LT	IH 94 WESTBOUND	---	---	---	---	---	---	12
442'WB'+80			RT & LT	IH 94 WESTBOUND	---	---	---	---	---	---	12
449'WB'+40			RT & LT	IH 94 WESTBOUND	---	---	---	---	---	---	12
TOTALS					6	1	3	335	288	90	120

NOTE: ITEMS PM CURB EPOXY & PM DIAGONAL EPOXY 18-INCH ARE YELLOW, ALL OTHER ITEMS IN THIS TABLE ARE WHITE.

SAWING PAVEMENT ITEMS

STATION - STATION	SAWING ASPHALT LOCATION	690.0150 SAWING ASPHALT LF	SAWING CONCRETE LOCATION	690.0250* SAWING CONCRETE LF
CAT 0010				
STAGE 1				
533'WB'+95	LT & RT	10	LT	24
		--		--
STAGE 1 SUBTOTAL		10		24
STAGE 2				
400'EB'+00	LT & RT	14		24
415'EB'+75	LT & RT	15		24
534'EB'+15	LT & RT	12	RT	24
		--		--
STAGE 2 SUBTOTAL		41		72
STAGE 3				
291'EB'+50	LT & RT	12	RT	26
295'WB'+50	LT & RT	12	LT	26
STAGE 3 SUBTOTAL		24		52
STAGE 4				
307'WB'+00	LT & RT	11	LT	26
8'NB'+04	RT	--	RT	28
40'NB'+00	LT & RT	10	LT & RT	30
		--		--
STAGE 4 SUBTOTAL		21		84
STAGE 5				
8'SB'+08	LT	--	LT	28
24'SB'+01 to 24'SB'+35		--	LT	32
40'SB'+00	LT & RT	12	LT & RT	32
STAGE 5 SUBTOTAL		12		92
STAGE 6				
307'EB'+00	RT	12	RT	26
STAGE 6 SUBTOTAL		12		26
TOTALS		120		350

* ADDITIONAL QUANTITIES SHOWN ELSEWHERE

CONSTRUCTION STAKING

	SPV.0105.01 SURVEY PROJECT 1022-08-73 LS	SPV.0105.02 CONSTRUCTION STAKING CONCRETE PAVEMENT JOINT LAYOUT LS
CAT 0010		
PROJECT I.D. 1022-08-73	1	1
TOTAL	1	1

CRACK MITIGATION AND REPAIR

	SPV.0105.03 PROJECT CONCRETE CRACK MITIGATION AND REPAIR SPECIAL LS
CAT 0010	
PROJECT I.D. 1022-08-73	1
TOTAL	1

BASE AGGREGATE DENSE

STATION - STATION	LOCATION	305.0120* 1 1/4-INCH TONS	305.0110* 3/4-INCH TONS	REMARKS
STAGE 1A				
375+35 - 389+80	LT	2506	336	CROSSOVER
445+80 - 468+85	LT/RT	5645	567	RAMP CROSSOVER
478+20 - 488+80	LT	1653	181	RAMP CROSSOVER
534+20 - 549+00	LT	4012	389	CROSSOVER
STAGE 2				
397+00 - 400+00	RT	408	6	TEMP. PAVT TRANSITION
415+75 - 418+75	RT	408	6	TEMP. PAVT TRANSITION
445+00 - 448+00	RT	408	6	TEMP. PAVT TRANSITION
STAGE 3B				
257+00 - 261+65	LT	305	52	TEMP. SHOULDER
256+65 - 264+25	RT	609	0	TEMP. SHOULDER
267+00 - 280+35	LT/RT	2018	175	TEMP. SHOULDER
282+35 - 298+70	LT	1487	183	TEMP. SHOULDER
283+00 - 297+00	RT	1182	156	TEMP. SHOULDER
340+00 - 354+00	RT	1633	155	TEMP. SHOULDER
355+00 - 363+70	RT	804	77	TEMP. SHOULDER
40+00 - 46+00 (STH 37)	LT	1608	0	CROSSOVER
STAGE 3C				
257+00 - 265+35	LT	833	92	TEMP. SHOULDER
267+20 - 298+70	LT	3258	351	TEMP. SHOULDER
STAGE 4				
283+00 - 298+70	LT	2846	0	CROSSOVER
291+41 - 298+70	RT	778	0	TEMP. SHOULDER
300+50 - 354+00	LT	12220	0	TEMP. WIDENING
300+50 - 316+35	RT	1754	150	TEMP. SHOULDER
355+00 - 407+10	LT	13197	0	TEMP. WIDENING
397+75 - 417+00	RT	1865	0	TEMP. SHOULDER
408+50 - 444+00	LT	8847	0	TEMP. SHOULDER
444+00 - 456+00	LT	4329	0	RAMP CROSSOVER
456+00 - 487+35	LT	7812	0	CROSSOVER
TOTALS		82427	2882	

* ADDITIONAL QUANTITIES SHOWN ELSEWHERE

ASPHALTIC SURFACE TEMPORARY

STATION - STATION	LOCATION	465.0125 TON	REMARKS
STAGE 1A			
375+35 - 389+80	LT	755	CROSSOVER
445+80 - 468+85	LT/RT	1522	RAMP CROSSOVER
478+20 - 488+80	LT	423	RAMP CROSSOVER
534+20 - 549+00	LT	1434	CROSSOVER
STAGE 2			
397+00 - 400+00	RT	426	TEMP. PAVT TRANSITION
415+75 - 418+75	RT	426	TEMP. PAVT TRANSITION
445+00 - 448+00	RT	426	TEMP. PAVT TRANSITION
STAGE 3B			
257+00 - 261+65	LT	49	TEMP. SHOULDER
256+65 - 264+25	RT	307	TEMP. SHOULDER
267+00 - 280+35	LT/RT	664	TEMP. SHOULDER
282+35 - 298+70	LT	380	TEMP. SHOULDER
283+00 - 297+00	RT	282	TEMP. SHOULDER
340+00 - 354+00	RT	510	TEMP. SHOULDER
355+00 - 363+70	RT	249	TEMP. SHOULDER
40+00 - 46+00 (STH 37)	LT	811	CROSSOVER
STAGE 3C			
257+00 - 265+35	LT	234	TEMP. SHOULDER
267+20 - 298+70	LT	934	TEMP. SHOULDER
STAGE 4			
283+00 - 298+70	LT	1434	CROSSOVER
291+41 - 298+70	RT	392	TEMP. SHOULDER
300+50 - 354+00	LT	6159	TEMP. WIDENING
300+50 - 316+35	RT	582	TEMP. SHOULDER
355+00 - 407+10	LT	6651	TEMP. WIDENING
397+75 - 417+00	RT	940	TEMP. SHOULDER
408+50 - 444+00	LT	4459	TEMP. SHOULDER
444+00 - 456+00	LT	1818	RAMP CROSSOVER
456+00 - 487+35	LT	3937	CROSSOVER
EMERGENCY PULLOUTS (4)	LT	470	117.5 TONS EACH
STAGE 5			
EMERGENCY PULLOUTS (3)	RT	353	117.5 TONS EACH
TOTAL		37029	

CONCRETE PAVEMENT GAPS

STATION	LOCATION	415.0210 EACH	REMARKS
STAGE 1B			
480+00 'EB'		1	STH 93 RAMP F GAP
STAGE 2			
455+00 'EB'		1	STH 93 RAMP H GAP
STAGE 5			
343+00 - 346+00 'EB'	RT	1	TEMPORARY EMERGENCY PULLOUT
385+00 - 388+00 'EB'	RT	1	TEMPORARY EMERGENCY PULLOUT
432+00 - 435+00 'EB'	RT	1	TEMPORARY EMERGENCY PULLOUT
TOTAL		5	

TEMPORARY EMERGENCY PULLOUTS

STATION	LOCATION	205.3000.S EACH
STAGE 2		
414+00 - 416+25 'WB'	RT	1
440+00 - 442+25 'WB'	RT	1
474+00 - 476+25 'WB'	RT	1
493+00 - 495+25 'WB'	RT	1
TOTAL		4

3

TRAFFIC CONTROL

STAGE	DAYS	603.8000 CONCRETE BARRIER TEMP. PRECAST DELIVERED LF	603.8125 CONCRETE BARRIER TEMP. PRECAST INSTALLED LF	614.0905 CRASH CUSHION TEMPORARY EACH	643.0300 DRUMS DAYS	643.0420 BARRICADES TYPE III DAYS	643.0500 FLEXIBLE TUBULAR MARKER POSTS EACH	643.0600 FLEXIBLE TUBULAR MARKER BASES EACH	643.0705 WARNING LIGHTS TYPE A DAYS	643.0715 WARNING LIGHTS TYPE C DAYS	643.0800 ARROW BOARDS DAYS	643.0900 SIGNS DAYS	643.1050 TRAFFIC CONTROL SIGNS PCMS DAYS	649.0200 TEMP. PAVT. MARKING REFLECTIVE PAINT 4 INCH LF	649.0400 TEMP. PAVT. MARKING REMOVABLE TAPE 4 INCH LF	649.0801 TEMP. PAVT. MARKING REMOVABLE TAPE 8 INCH LF	646.0600 REMOVING PAVT. MARKINGS LF	633.1100 TEMPORARY DELINEATORS EACH	649.2100 TEMPORARY RAISED PAVEMENT MARKERS EACH	643.1000 TRAFFIC CONTROL SIGNS FIXED MESSAGE SF
IH 94																				
1A	13	0	0	0	5,551	0	0	0	0	416	52	663	26	0	1,560	0	0	0	0	224
1B	39	0	0	0	20,436	1,287	192	192	234	2,925	156	3,666	78	44,520	5,620	400	3,030	54	208	0
2	60	0	0	0	18,360	3,060	345	345	2,160	4,620	240	6,300	360	49,050	5,880	280	2,615	54	0	0
3A	7	0	0	0	3,255	42	10	10	0	448	56	560	14	0	3,320	400	300	10	0	224
3B	20	11,650	11,650	3	9,160	320	40	40	0	1,260	160	2,160	160	0	31,180	0	15,225	10	0	0
3C	26	0	8,325	1	12,454	208	0	0	0	1,664	260	3,120	208	0	28,520	0	0	0	0	0
4	49	45,535	46,735	7	5,145	1,029	40	40	0	0	0	1,421	98	43,694	19,875	200	8,600	0	0	0
5	54	100	7,100	1	7,776	0	0	0	0	0	0	1,728	108	27,025	10,038	450	0	0	0	0
6A	20	0	2,500	1	600	0	0	0	0	320	40	480	40	0	7,300	0	0	0	0	0
6B	25	0	0	0	15,000	0	0	0	0	0	100	1,050	50	1,560	0	0	0	0	0	0
STH 37																				
3A	7	0	0	0	476	14	0	0	0	154	0	126	0	0	1,080	0	1,080	0	0	0
3B	20	0	0	0	2,120	320	40	40	0	500	40	540	0	6,600	1,825	0	1,038	0	0	0
3C	26	0	0	0	4,394	442	0	0	104	988	0	702	0	0	0	0	0	0	0	0
4	49	0	0	0	7,497	490	0	0	196	2,205	49	1,274	0	191	0	400	0	0	0	0
5	54	0	0	0	5,940	864	54	54	216	1,188	54	1,296	0	6,775	4,861	500	540	0	0	0
UNDISTRIBUTED					10,000															
TOTALS		57,285	76,310	13	128,164	8,076	721	721	2,910	16,688	1,207	25,086	1,142	179,415	121,059	2,630	32,428	128	208	448

TRAFFIC CONTROL COVERING SIGNS

ROADWAY	STAGE	643.0910 TRAFFIC CONTRO.. COVERING SIGNS TYPE I EACH	NUMBER OF CYCLES	NUMBER OF SIGNS	REMARKS	643.0920 TRAFFIC CONTROL COVERING SIGNS TYPE II EACH	NUMBER OF CYCLES	NUMBER OF SIGNS	REMARKS
I 94 EB	2	1	1	1	EXIT 68, STH 93, ELEVA, EAU CLAIRE, 1 MILE	1	1	1	EXIT 68, UP/RIGHT ARROW
		1	1	1	EXIT 68, STH 93, ELEVA, EAU CLAIRE, UP/RIGHT ARROW	1	1	1	MERGE AHEAD
	3A					1	1	1	EXIT 65, UP/RIGHT ARROW
	3B, 3C	1	1	1	EXIT 65, STH 37, EAU CLAIRE, MONDOVI, 1 MILE	1	1	1	EXIT, 25MPH
		1	1	1	UW EAU CLAIRE, CHIPPEWA VALLEY TECH COLLEGE, EXIT 65	1	1	1	EXIT 65, UP/RIGHT ARROW
		1	1	1	EXIT 65, STH 37, EAU CLAIRE, MONDOVI, UP/RIGHT ARROW	1	1	1	MERGE AHEAD
I 94 WB	3B, 3C	1	1	1	EXIT 65, STH 37, EAU CLAIRE, MONDOVI, UP/RIGHT ARROW	1	1	1	MERGE AHEAD
		1	1	1	STH 65, STH 37, EAU CLAIRE, MONDOVI, 1 MILE	1	1	1	EXIT 65, UP/RIGHT ARROW
						1	1	1	EXIT, 30MPH
	2	1	1	1	EXIT 68, STH 93, ELEVA, EAU CLAIRE, UP/RIGHT ARROW	1	1	1	MERGE AHEAD
		1	1	1	EXIT 68, STH 93, ELEVA, EAU CLAIRE, 3/4 MILE	1	1	1	EXIT 68, UP/RIGHT ARROW
STH 93 NB	2					4	1	4	I-94 ROUTE MARKERS
STH 93 SB	2					4	1	4	I-94 ROUTE MARKERS
STH 53 SB	1B	1	1	1	EXIT 64B, I94, WEST, ST PAUL, EXIT ONLY				
		1	1	1	EXIT 64B, I94, WEST, ST PAUL, EXIT ONLY				
STH 37 NB	5	1	1	1	STH 37, NORTH, EAU CLAIRE, DOWN ARROW				
STH 37 SB	3B, 3C	1	1	1	I-94, EAST, MADISON, LEFT AHEAD ARROW	5	1	5	I-94 ROUTE MARKERS
		1	1	1	STH 37, SOUTH, MONDOVI, DURAND, 2 DOWN ARROWS				
		1	1	1	I-94, EAST, MADISON, DOWN ARROW				
		1	1	1	I-94, WEST, ST PAUL, LEFT AHEAD ARROW				
	TOTALS	16				24			

3

REMOVING CONCRETE BASES

NUMBER	204.0195 * EACH
CAT 0080	
IH 94 EB RAMPS & STH 37 (HENDRICKSON DRIVE)	
SB1	1
SB2	1
SB3	1
SB4	1
SB5	1
SB6	1
SB7	1
SB8	1
SB9	1
SB10	1
SB11	1
SB12	1
SB13	1
SB14	1
LB1	1
LB2	1
LB3	1
LB4	1
LB5	1
LB6	1
CB1	1
LCB1	1
IH 94 WB RAMPS & STH 37 (HENDRICKSON DRIVE)	
SB1	1
SB2	1
SB3	1
SB4	1
SB5	1
SB6	1
SB7	1
SB8	1
SB9	1
SB10	1
SB11	1
SB12	1
LB7	1
LB8	1
LB12	1
CB1	1
ITEM TOTAL	38

* ADDITIONAL QUANTITIES SHOWN ELSEWHERE

CONDUIT

FROM	TO	652.0215 CONDUIT RIGID NONMETALLIC SCHEDULE 40 1 1/4-INCH LF	652.0225 * CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH LF	652.0235 CONDUIT RIGID NONMETALLIC SCHEDULE 40 3-INCH LF
CAT 0080				
IH 94 EB RAMPS & STH 37 (HENDRICKSON DRIVE)				
CB1	PB1			57
PB1	PB2			114
PB2	PB3			96
PB3	PB4		216	
PB3	PB8			110
PB4	PB5		220	
PB5	PB6		72	
PB6	PB7		56	
PB8	PB9			52
PB9	PB10			128
PB10	PB11			40
PB11	PB12			33
PB11	PB13		173	
PB11	PB15			106
PB13	PB14		162	
PB15	PB16			82
PB16	PB17			134
PB17	PB18		191	
PB17	PB20			108
PB18	PB19		220	
PB20	PB21			52
PB21	PB22			104
PB22	PB23			110
PB23	CB1			21
PB1	SB1		10	
PB2	SB2		6	
PB3	SB3		4	
PB8	SB4		21	
PB9	SB5		22	
PB9	SB6		11	
PB10	SB7		22	
PB11	SB8		15	
PB12	SB9		11	
PB15	SB10		24	
PB16	SB11		6	
PB17	SB12		21	
PB20	SB13		24	
PB21	SB14		24	
PB23	SB15		25	
PB4	LB1		38	
LB3	LB2		173	
PB5	LB3		74	
PB7	LB4		78	
LB4	LB5		168	
PB9	LB6		27	
PB11	LB7		22	
PB18	LB8		40	
PB21	LB9		4	

CONDUIT (CONTIN'D)

FROM	TO	652.0215 CONDUIT RIGID NONMETALLIC SCHEDULE 40 1 1/4-INCH LF	652.0225 * CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH LF	652.0235 CONDUIT RIGID NONMETALLIC SCHEDULE 40 3-INCH LF
IH 94 WB RAMPS & STH 37 (HENDRICKSON DRIVE)				
CB1	PB1			27
PB1	PB2			140
PB2	PB3		234	
PB2	PB5			138
PB3	PB4		220	
PB5	PB6			148
PB6	PB7			170
PB7	PB8		201	
PB7	PB10			96
PB8	PB9		221	
PB10	PB11			48
PB11	PB12			20
PB11	PB13			124
PB13	PB14			76
PB14	PB15			32
PB14	PB16		199	
PB14	PB22			106
PB16	PB17		169	
PB17	PB18		177	
PB22	PB23			110
PB23	CB1			45
PB1	SB1		19	
PB2	SB2		11	
PB5	SB3		7	
PB6	SB4		15	
PB6	SB5		15	
PB7	SB6		41	
PB11	SB7		5	
PB12	SB8		21	
PB13	SB9		6	
PB14	SB10		8	
PB15	SB11		5	
PB1	LB1		175	
PB2	LB2		25	
PB8	LB3		40	
PB11	LB4		12	
PB14	LB5		30	
LB7	LB8		174	
CB1 (S1035)	ICPB1001	13		
ICPB1001	ICPB1002		99	
ICPB1002	ICPB1003		81	
ICPB1003	ICPB1004		260	
ICPB1004	ICPB1005		273	
ICPB1005	ICPB1006		275	
ICPB1006	ICPB1007		254	
ICPB1007	ICPB1008		66	
ICPB1008	ICPB1009		150	
ICPB1009	ICPB1010		168	
ICPB1008	CB1 (S1036)	7		
ITEM TOTALS		20	5836	2627

* ADDITIONAL QUANTITIES SHOWN ELSEWHERE

LOOP DETECTOR SCHEDULE

LOOP NUMBER	HOME RUN PB	STATION	LOCATION	SIZE (FT)X(FT)	NO. OF TURNS	PAVEMENT TYPE	SDD INSTALLATION REFERENCE	652.0800 CONDUIT LOOP DETECTOR LF	655.0700 LOOP DETECTOR LEAD IN CABLE LF	655.0800 LOOP DETECTOR WIRE LF
CAT 0080										
IH 94 EB RAMPS & STH37 (HENDRICKSON DRIVE)										
11	PB20	23'NB'+15.3	21.8' LT	6X20	3	CONCRETE	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 1)	70	157	183
12	PB20	23'NB'+44.3	21.6' LT	6X20	4	CONCRETE	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 1)	72	157	248
21	PB5	29'SB'+25.6	11.9' LT	6X20	3	CONCRETE	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 1)	80	577	198
22	PB4	27'SB'+05.6	11.9' LT	6X20	4	CONCRETE	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	100	357	304
31	PB1	24'SB'+11.0	97.7' LT	6X20	3	CONCRETE	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 1)	90	36	213
32	PB1	24'SB'+11.0	69.7' LT	6X20	4	CONCRETE	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 1)	82	36	268
41	PB14	274'D'+45.8	8.5' LT	6X20	3	CONCRETE	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 1)	76	648	192
42	PB11	24'NB'+49.7	72.9' RT	6X20	4	CONCRETE	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 1)	86	313	276
43	PB11	24'NB'+62.8	47.8' RT	6X20	3	CONCRETE	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 1)	82	313	201
44	PB15	24'NB'+29.6	70.0' RT	6X20	3	CONCRETE	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 1)	72	325	186
45	PB15	24'NB'+29.6	42.0' RT	6X20	4	CONCRETE	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 1)	80	325	264
51	PB8	24'SB'+97.4	17.8' RT	6X20	3	CONCRETE	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 1)	70	222	183
52	PB8	24'SB'+69.4	17.7' RT	6X20	4	CONCRETE	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 1)	72	222	248
61	PB19	19'NB'+5.2	11.9' RT	6X20	3	CONCRETE	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 1)	94	622	219
62	PB18	21'NB'+25.2	11.9' RT	6X20	4	CONCRETE	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	82	399	268
IH 94 WB RAMPS & STH 37 (HENDRICKSON DRIVE)										
21	PB9	40'SB'+95.7	12.1' LT	6X20	3	CONCRETE	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 1)	82	733	201
22	PB8	38'SB'+75.9	12.0' LT	6X20	4	CONCRETE	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 1)	82	513	268
41	PB17	268'B'+10.1	7.5' RT	6X20	3	CONCRETE	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 1)	80	503	198
42	PB14	36'NB'+41.3	73.5' RT	6X20	4	CONCRETE	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 1)	86	140	276
43	PB14	36'NB'+53.8	48.2' RT	6X20	3	CONCRETE	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 1)	80	140	198
44	PB22	36'NB'+23.4	72.5' RT	6X20	3	CONCRETE	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 1)	76	87	192
45	PB22	36'NB'+23.5	44.5' RT	6X20	4	CONCRETE	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 1)	78	87	260
51	PB12	36'SB'+81.3	17.8' RT	6X20	3	CONCRETE	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 1)	70	273	183
52	PB12	36'SB'+53.3	17.7' RT	6X20	4	CONCRETE	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 1)	72	273	248
61	PB4	31'NB'+05.9	11.9' RT	6X20	3	CONCRETE	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 1)	74	550	189
62	PB3	33'NB'+25.9	10.9' RT	6X20	4	CONCRETE	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 1)	78	330	260
ITEM TOTALS								2066	8353	5924

INSTALL CONDUIT INTO EXISTING ITEM

STRUCTURE NUMBER	652.0700.S INSTALL CONDUIT INTO EXISTING ITEM EACH
CAT 0080	
INTERCONNECT	
ICBP1010	1
ITEM TOTALS	1

PULL BOXES STEEL

NUMBER	STATION	LOCATION	653.0135 * 24 X 36 - INCH EACH	653.0140 24 X 42 - INCH EACH
CAT 0080				
IH 94 EB RAMPS & STH 37 (HENDRICKSON DRIVE)				
PB1	23'SB'+93.5	74.6' LT		1
PB2	24'SB'+50.0	74.6' LT		1
PB3	24'SB'+90.8	49.0' LT		1
PB4	27'SB'+06.2	45.7' LT	1	
PB5	29'SB'+26.2	36.3' LT		1
PB6	28'SB'+87.3	14.0' LT		1
PB7	28'NB'+87.3	41.5' RT		1
PB8	24'SB'+90.9	6.0' RT		1
PB9	24'NB'+87.7	8.1' LT		1
PB10	24'NB'+87.6	56.0' RT		1
PB11	24'NB'+74.3	70.3' RT		1
PB12	24'NB'+41.3	58.0' RT		1
PB13	276'D'+18.6	14.8' RT	1	
PB14	274'D'+46.4	6.2'RT	1	
PB15	24'NB'+16.6	70.2' RT		1
PB16	23'NB'+72.9	70.4' RT		1
PB17	23'NB'+16.1	48.4' RT		1
PB18	21'NB'+25.6	42.7' LT	1	
PB19	19'NB'+05.5	37.6' LT	1	
PB20	23'NB'+16.2	7.9' LT		1
PB21	23'SB'+19.4	6.1' RT		1
PB22	23'SB'+19.3	44.1' LT		1
PB23	23'SB'+72.3	60.3 LT		1
IH 94 WB RAMPS & STH 37 (HENDRICKSON DRIVE)				
PB1	35'NB'+35.7	57.0' RT		1
PB2	35'NB'+35.7	12.7' LT		1
PB3	33'NB'+26.6	11.0' LT	1	
PB4	31'NB'+06.6	8.9' LT	1	
PB5	35'SB'+38.9	41.6' LT		1
PB6	36'SB'+12.7	41.6' LT	1	
PB7	36'SB'+97.6	41.8' LT		1
PB8	38'SB'+76.6	37.2' LT	1	
PB9	41'SB'+02.4	37.3' LT	1	
PB10	36'NB'+94.3	34.1' LT		1
PB11	36'NB'+94.4	9.7' LT		1
PB12	36'NB'+74.2	10.1' LT	1	
PB13	36'NB'+94.4	52.4' RT		1
PB14	36'NB'+61.4	70.8' RT		1
PB15	36'NB'+37.8	49.3' RT		1
PB16	266'B'+94.9	16.3' LT	1	
PB17	268'B'+10.8	9.7' LT	1	
PB18	269'B'+85.3	16.3' LT	1	
PB19	EXISTING			
PB20	EXISTING			
PB21	EXISTING			
PB22	36'NB'+08.4	70.7' RT		1
PB23	35'NB'+53.6	70.4' RT		1
INTERCONNECT				
ICPB1001	23'SB'+82.2	53.4' LT		1
ICPB1002	24'SB'+81.4	51.4' LT		1
ICPB1003	24'NB'+79.1	10.9' LT		1
ICPB1004	27'NB'+41.8	13.5' LT	1	
ICPB1005	30'NB'+11.5	11.3' LT	1	
ICPB1006	32'NB'+88.6	14.8'LT	1	
ICPB1007	35'NB'+42.1	7.0' LT		1
ICPB1008	35'NB'+42.3	58.7' RT		1
ICPB1009	36'NB'+92.1	57.4' RT		1
ITEM TOTALS			17	35

* ADDITIONAL QUANTITIES SHOWN ELSEWHERE

REMOVING PULL BOXES

NUMBER	653.0905 * REMOVING PULL BOXES EACH
CAT 0080	
IH 94 EB RAMPS & STH 37 (HENDRICKSON DRIVE)	
PB1	1
PB2	1
PB3	1
PB4	1
PB5	1
PB6	1
PB7	1
PB8	1
PB9	1
PB10	1
PB11	1
PB12	1
PB13	1
PB14	1
PB15	1
PB16	1
PB17	1
PB18	1
LPB1	1
LPB2	1
LPB3	1
LPB4	1
IH 94 WB RAMPS & STH 37 (HENDRICKSON DRIVE)	
PB1	1
PB2	1
PB3	1
PB4	1
PB5	1
PB6	1
PB7	1
PB8	1
PB9	1
PB10	1
PB11	1
PB12	1
PB13	1
PB14	1
PB15	1
LPB6	1
LPB7	1
LPB8	1
ITEM TOTALS	40

* ADDITIONAL QUANTITIES SHOWN ELSEWHERE

CONCRETE BASES

NUMBER	STATION	LOCATION	654.0101 CONCRETE BASES TYPE 1 EACH	654.0102 CONCRETE BASES TYPE 2 EACH	654.0105 * CONCRETE BASES TYPE 5 EACH	654.0113 CONCRETE BASES TYPE 13 EACH	654.0217 CONCRETE CONTROL CABINET BASES TYPE 9 SPECIAL EACH
CAT 0080							
IH 94 EB RAMPS & STH 37 (HENDRICKSON DRIVE)							
SB1	23'SB'-93.6	64.7' LT	1				
SB2	24'SB'-48.7	80.6' LT		1			
SB3	24'SB'-94.3	47.3' LT	1				
SB4	24'SB'-69.9	6.0' RT	1				
SB5	24'NB'-69.3	9.5' LT	1				
SB6	24'NB'-99.0	8.8' LT	1				
SB7	25'NB'-08.5	48.8' RT				1	
SB8	24'NB'-76.6	63.0' RT	1				
SB9	24'NB'-42.2	46.9' RT	1				
SB10	24'NB'-16.3	51.6' RT	1				
SB11	23'NB'-70.1	72.6' RT		1			
SB12	23'NB'-37.5	48.1' RT	1				
SB13	23'NB'-40.2	8.0' LT	1				
SB14	23'SB'-40.4	6.7' RT	1				
SB15	23'SB'-50.4	49.4' LT				1	
LB1	26'SB'-67.8	49.0' LT			1		
LB2	263'D'-29.0	7.2' RT			1		
LB3	264'D'-99.2	7.1' RT			1		
LB4	267'D'-31.8	8.2' RT			1		
LB5	269'D'-01.2	12.1' RT			1		
LB6	25'NB'-14.4	7.2' LT			1		
LB7	24'NB'-61.2	95.7' LT			1		
LB8	21'NB'-64.9	48.0' RT			1		
LB9	23'SB+15.4	6.0' RT			1		
CB1	23'SB'-77.2	65.0' LT					1
IH 94 WB RAMPS & STH 37 (HENDRICKSON DRIVE)							
SB1	35'NB'-39.2	51.4' RT	1				
SB2	35'SB'-41.9	22.2' LT	1				
SB3	35'SB'-32.1	39.0' LT				1	
SB4	35'SB'-97.9	39.0' LT	1				
SB5	36'SB'-27.2	39.0' LT	1				
SB6	36'SB'-57.1	39.3' LT	1				
SB7	36'NB'-92.6	5.5' LT	1				
SB8	36'NB'-53.7	10.3' LT	1				
SB9	37'NB'-00.0	49.0' LT				1	
SB10	36'NB'-65.4	63.5' RT	1				
SB11	36'NB'-34.0	46.1' RT	1				
LB1	33'NB'-61.1	48.6' RT			1		
LB2	35'NB'-11.0	14.5' LT			1		
LB3	38'SB'-59.0	39.0' LT			1		
LB4	37'NB'-05.8	7.0' LT			1		
LB5	36'NB'-49.9	98.0' RT			1		
LB8	281'B'-65.0	15.0' LT			1		
CB1	35'NB'-39.8	64.8' RT					1
ITEM TOTALS			20	2	15	4	2

* ADDITIONAL QUANTITIES SHOWN ELSEWHERE

3

TRAFFIC SIGNAL CABLE NO. 14 (ABOVE GROUND)

FROM	TO	655.0230 CABLE TRAFFIC SIGNAL 5 - 14 AWG LF
CAT 0080		
IH 94 EB RAMPS & STH 37 (HENDRICKSON DRIVE)		
SB1	HEAD 14	22
SB1	HEAD 18	19
SB2	HEAD 15	54
SB3	HEAD 5	22
SB3	HEAD 7	19
SB4	HEAD 6	22
SB5	HEAD 10	22
SB6	HEAD 17	19
SB7	HEAD 2	71
SB7	HEAD 3	59
SB8	HEAD 16	19
SB9	HEAD 13	19
SB10	HEAD 19	22
SB11	HEAD 20	54
SB12	HEAD 1	19
SB12	HEAD 11	22
SB13	HEAD 12	22
SB14	HEAD 4	22
SN15	HEAD 8	71
SB15	HEAD 9	59
IH 94 WB RAMPS & STH 37 (HENDRICKSON DRIVE)		
SB1	HEAD 1	19
SB1	HEAD 8	22
SB2	HEAD 9	22
SB2	HEAD 5	61
SB2	HEAD 6	49
SB4	HEAD 11	19
SB5	HEAD 12	19
SB6	HEAD 4	19
SB7	HEAD 14	19
SB8	HEAD 7	22
SB9	HEAD 2	71
SB9	HEAD 3	59
SB10	HEAD 13	19
SB11	HEAD 10	19
ITEM TOTAL		1097

TRAFFIC SIGNAL CABLE NO. 14 (BELOW GROUND)

FROM	TO	655.0230 CABLE TRAFFIC SIGNAL 5 - 14 AWG LF	655.0260 CABLE TRAFFIC SIGNAL 12 - 14 AWG LF
CAT 0080			
IH 94 EB RAMPS & STH 37 (HENDRICKSON DRIVE)			
CB1	SB1		46
CB1	SB2	105	
CB1	SB3		157
CB1	SB4	235	
CB1	SB5	268	
CB1	SB6	257	
CB1	SB7	338	
CB1	SB8	364	
CB1	SB9	399	
CB1	SB10	385	
CB1	SB11	320	
CB1	SB12		256
CB1	SB13	199	
CB1	SB14	167	
CB1	SB15	49	
IH 94 WB RAMPS & STH 37 (HENDRICKSON DRIVE)			
CB1	SB1		45
CB1	SB2	113	
CB1	SB3	184	
CB1	SB4	272	
CB1	SB5	272	
CB1	SB6	363	
CB1	SB7	269	
CB1	SB8	324	
CB1	SB9	202	
CB1	SB10	160	
CB1	SB11	195	
ITEM TOTALS		5440	504

LIGHTING WIRE

FROM	TO	655.0320 CABLE TYPE UF 2-10 AWG GROUNDED LF	655.0610 ELECTRICAL WIRE LIGHTING 12 AWG LF
CAT 0080			
IH 94 EB RAMPS & STH 37 (HENDRICKSON DRIVE)			
CB1	SB2	105	
SB2	LUMIN		117
SB2	LB1	334	
LB1	LUMIN		117
LB1	LB3	352	
LB3	LUMIN		117
LB1	LB4	496	
LB4	LUMIN		117
LB3	LB2	181	
LB2	LUMIN		117
LB4	LB5	176	
LB5	LUMIN		117
CB1	LB9	147	
LB9	LUMIN		117
LB9	LB8	347	
LB8	LUMIN		117
LB8	LB7	336	
LB7	LUMIN		117
IH 94 EB RAMPS & STH 37 (HENDRICKSON DRIVE)			
CB1	LB1	201	
LB1	LUMIN		117
LB1	LB2	290	
LB2	LUMIN		117
LB2	LB3	486	
LB3	LUMIN		117
CB1	LB5	182	
LB5	LUMIN		117
LB5	LB4	168	
LB4	LUMIN		117
LB5	LB6	1433	
LB6	LUMIN		117
LB6	LB7	183	
LB7	LUMIN		117
LB7	LB8	182	
LB8	LUMIN		117
ITEM TOTAL		5599	1989

3

ELECTRICAL WIRE

FROM	TO	655.0515 ELECTRIC WIRE TRAFFIC SIGNALS 10 AWG LF
CAT 0080		
IH 94 EB RAMPS & STH 37 (HENDRICKSON DRIVE)		
GROUND (GREEN)		
CB1	SB1	46
SB1	SB2	93
SB2	SB3	78
SB3	SB4	100
SB4	SB5	89
SB5	SB6	47
SB6	SB7	117
SB7	SB8	84
SB8	SB9	79
SB9	SB10	147
SB10	SB11	91
SB11	SB12	120
SB12	SB13	119
SB13	SB14	94
SB14	SB15	182
SB15	CB1	49
BONDING JUMPERS		
PB1	SB1	20
PB2	SB2	16
PB3	SB3	14
PB4	LB1	48
PB5	LB3	84
PB6	LB4	150
PB7	LB4	88
PB8	SB4	31
PB9	SB6	21
PB10	SB7	32
PB11	SB8	25
PB12	SB9	21
PB15	SB10	34
PB16	SB11	16
PB17	SB12	31
PB20	SB13	34
PB21	SB14	34
PB22	CB1	81
PB23	CB1	20

ELECTRICAL WIRE (CONT.)

FROM	TO	655.0515 ELECTRIC WIRE TRAFFIC SIGNALS 10 AWG LF
CAT 0080		
IH 94 WB RAMPS & STH 37 (HENDRICKSON DRIVE)		
GROUND (GREEN)		
CB1	SB1	45
SB1	SB2	120
SB2	SB3	107
SB3	SB4	116
SB4	SB5	44
SB5	SB6	135
SB6	SB7	118
SB7	SB8	79
SB8	SB9	148
SB9	SB10	72
SB10	SB11	65
SB11	CB1	195
BONDING JUMPERS		
PB1	CB1	22
PB2	SB2	21
PB5	SB3	17
PB6	SB5	25
PB7	SB6	25
PB10	SB7	45
PB11	SB7	15
PB12	SB8	26
PB13	SB9	16
PB14	SB10	18
PB15	SB11	15
PB16	SB10	223
PB17	SB10	398
PB18	SB10	581
PB19	LB6	647
PB20	LB6	436
PB21	LB6	235
PB22	SB10	76
PB23	CB1	28
ITEM TOTAL		6448

CONTROL CABINET

NUMBER	STATION	LOCATION	656.0200.01 ELECTRICAL SERVICE METER BREAKER PEDESTAL (LOCATION) LS	656.0200.02 ELECTRICAL SERVICE METER BREAKER PEDESTAL (LOCATION) LS
CAT 0080				
IH 94 EB RAMPS & STH 37 (HENDRICKSON DRVE)				
CB1			1	
IH 94 WB RAMPS & STH 37 (HENDRICKSON DRIVE)				
CB1				1
ITEM TOTALS			1	1

3

3

CAST BASES, POLES, TROMBONE ARMS, LUMINAIRES

NUMBER	657.0100* PEDESTAL BASES EACH	657.0255* TRANSFORMER BASES BREAKAWAY 11 1/2 INCH BOLT CIRCLE EACH	657.0310 POLES TYPE 3 EACH	657.0420 TRAFFIC SIGNAL STANDARDS ALUMINUM 13 - FT EACH	657.0425 TRAFFIC SIGNAL STANDARDS ALUMINUM 15 - FT EACH	657.0322 POLES TYPE 5 ALUMINUM EACH	657.0595 TROMBONE ARMS 25-FT EACH	657.0609 LUMINAIRE ARMS SINGLE MEMBER 4-INCH CLAMP 6-FT EACH	657.0610 LUMINAIRE ARMS SINGLE MEMBER 4 1/2-INCH CLAMP 6-FT EACH	657.1355 INSTALL POLES TYPE 12 EACH	657.1535 INSTALL MONOTUBE ARMS 35-FT EACH	657.1545 INSTALL MONOTUBE ARMS 45-FT EACH	SPV.0060.02 LED LUMINAIRE LED-C EACH	SPV.0060.03 REMOVE AND REINSTALL LIGHTING UNIT EACH
CAT 0080														
IH 94 EB RAMPS & STH 37 (HENDRICKSON DRIVE)														
SB1	1			1										
SB2		1	1				1	1					1	
SB3	1				1									
SB4	1				1									
SB5	1				1									
SB6	1			1										
SB7										1		1		
SB8	1			1										
SB9	1			1										
SB10	1				1									
SB11		1	1				1	1					1	
SB12	1				1									
SB13	1				1									
SB14	1				1									
SB15										1		1		
LB1		1				1			1				1	
LB2													1	1
LB3													1	1
LB4													1	1
LB5													1	1
LB6													2	1
LB7													1	1
LB8		1				1			1				1	
LB9													2	1
IH 94 WB RAMPS & STH 37 (HENDRICKSON DRIVE)														
SB1	1				1									
SB2	1				1									
SB3										1	1			
SB4	1			1										
SB5	1			1										
SB6	1			1										
SB7	1			1										
SB8	1				1									
SB9										1		1		
SB10	1			1										
SB11	1			1										
LB1		1				1			1				1	
LB2													2	1
LB3		1				1			1				1	
LB4													2	1
LB5													1	1
LB6													1	1
LB7													1	1
LB8													1	1
ITEM TOTALS	20	6	2	10	10	4	2	2	4	4	1	3	23	13

* ADDITIONAL QUANTITIES SHOWN ELSEWHERE

STATE FURNISHED TRAFFIC SIGNAL FACES, AND BACKPLATES

HEAD NO.	658.0190.S TRAFFIC SIGNAL FACE - LED STATE FURNISHED EACH
CAT 0080	
IH 94 EB RAMPS & STH 37 (HENDRICKSON DRIVE)	
HEAD 1	1
HEAD 2	1
HEAD 3	1
HEAD 4	1
HEAD 5	1
HEAD 6	1
HEAD 7	1
HEAD 8	1
HEAD 9	1
HEAD 10	1
HEAD 11	1
HEAD 12	1
HEAD 13	1
HEAD 14	1
HEAD 15	1
HEAD 16	1
HEAD 17	1
HEAD 18	1
HEAD 19	1
HEAD 20	1
IH 94 WB RAMPS & STH 37 (HENDRICKSON DRIVE)	
HEAD 1	1
HEAD 2	1
HEAD 3	1
HEAD 4	1
HEAD 5	1
HEAD 6	1
HEAD 7	1
HEAD 8	1
HEAD 9	1
HEAD 10	1
HEAD 11	1
HEAD 12	1
HEAD 13	1
HEAD 14	1
ITEM TOTALS	34

TEMPORARY SIGNALS

LOCATION	661.0200.01 TEMPORARY TRAFFIC SIGNALS FOR INTERSECTIONS LS	661.0200.02 TEMPORARY TRAFFIC SIGNALS FOR INTERSECTIONS LS	661.0300 GENERATORS DAYS
CAT 0080			
IH 94 EB RAMPS & STH 37 (HENDRICKSON DRIVE)	1		2
IH 94 WB RAMPS & STH 37 (HENDRICKSON DRIVE)		1	2
ITEM TOTALS	1	1	4

FIBER OPTIC CABLE

FROM	TO	SPV.0090.04 INSTALL DEPARTMENT FURNISHED FIBER OPTIC CABLE, 6-COUNT AND LOCATING WIRE LF
CAT 0080		
STH 37 (HENDRICKSON DRIVE)		
CB1 (S1035)	ICPB1001	53
ICPB1001	ICPB1002	129
ICPB1002	ICPB1003	111
ICPB1003	ICPB1004	290
ICPB1004	ICPB1005	303
ICPB1005	ICPB1006	305
ICPB1006	ICPB1007	284
ICPB1007	ICPB1008	96
ICPB1008	ICPB1009	96
ICPB1009	ICPB1010	96
ICPB1008	CB1 (S1036)	47
ITEM TOTAL		1810

INSTALL STATE FURNISHED EMERGENCY VEHICLE PREEMPTION

LOCATION	SPV.0105.04 SALVAGE ABOVE GROUND TRAFFIC SIGNAL AND LIGHTING EQUIPMENT LS	SPV.0105.05 SALVAGE ABOVE GROUND TRAFFIC SIGNAL AND LIGHTING EQUIPMENT LS
CAT 0080		
IH 94 EB RAMPS & STH 37 (HENDRICKSON DRIVE)	1	
IH 94 WB RAMPS & STH 37 (HENDRICKSON DRIVE)		1
ITEM TOTALS	1	1

SAWING PAVEMENT

STATION	LOCATION	690.0150* ASPHALT L.F.	690.0250* CONCRETE L.F.	REMARKS
STAGE 1A				
375+35 - 389+80	LT	1402		CROSSOVER
445+80 - 468+85	LT/RT	2321		RAMP CROSSOVER
478+20 - 488+80	LT	1187		RAMP CROSSOVER
534+20 - 549+00	LT	2555		CROSSOVER
STAGE 2				
397+00 - 400+00	RT	38	24	TEMP. PAVT TRANSITION
415+75 - 418+75	RT	38	24	TEMP. PAVT TRANSITION
445+00 - 448+00	RT	38	24	TEMP. PAVT TRANSITION
STAGE 3B				
257+00 - 261+65	LT	465		TEMP. SHOULDER
256+65 - 264+25	RT	857		TEMP. SHOULDER
267+00 - 280+35	LT/RT	2753		TEMP. SHOULDER
282+35 - 298+70	LT	1649		TEMP. SHOULDER
283+00 - 297+00	RT	1595		TEMP. SHOULDER
340+00 - 354+00	RT	1397		TEMP. SHOULDER
355+00 - 363+70	RT	868		TEMP. SHOULDER
40+00 - 46+00 (STH 37)	LT	1075		CROSSOVER
STAGE 3C				
257+00 - 265+35	LT	829		TEMP. SHOULDER
267+20 - 298+70	LT	3165		TEMP. SHOULDER
STAGE 4				
283+00 - 298+70	LT/RT	1135		CROSSOVER / TEMP. SHOULDER
300+50 - 354+00	LT	5345		TEMP. WIDENING
300+50 - 316+35	RT	1595		TEMP. SHOULDER
355+00 - 407+10	LT	5206		TEMP. WIDENING
397+75 - 417+00	RT	1712		TEMP. SHOULDER
408+50 - 486+50	LT	8525		CROSSOVER / TEMP. SHOULDER
	TOTAL	45750	72	

* ADDITIONAL QUANTITIES SHOWN ELSEWHERE

3

INSTALL STATE FURNISHED EMERGENCY VEHICLE PREEMPTION

LOCATION	SPV.0105.06 INSTALL EMERGENCY VEHICLE PREEMPTION (EVP) CONTROLLER, WISDOT OWNED TRAFFIC SIGNALS LS	SPV.0105.07 INSTALL EMERGENCY VEHICLE PREEMPTION (EVP) CONTROLLER, WISDOT OWNED TRAFFIC SIGNALS LS
CAT 0080		
IH 94 EB RAMPS & STH 37 (HENDRICKSON DRIVE)	1	
IH 94 WB RAMPS & STH 37 (HENDRICKSON DRIVE)		1
ITEM TOTALS	1	1

TRANSPORTING STATE FURNISHED SIGNAL AND LIGHTING MATERIALS

LOCATION	SPV.0105.08 TRANSPORTING TRAFFIC SIGNAL AND INTERSECTION LIGHTING MATERIALS LS	SPV.0105.09 TRANSPORTING TRAFFIC SIGNAL AND INTERSECTION LIGHTING MATERIALS LS
CAT 0080		
IH 94 EB RAMPS & STH 37 (HENDRICKSON DRIVE)	1	
IH 94 WB RAMPS & STH 37 (HENDRICKSON DRIVE)		1
ITEM TOTALS	1	1

SIGNAL MOUNTING

LOCATION	SPV.0105.10 INSTALL DEPARTMENT FURNISHED ORNAMENTAL SIGNAL MOUNTING HARDWARE FOR TRAFFIC SIGNAL STANDARDS LS	SPV.0105.11 INSTALL DEPARTMENT FURNISHED ORNAMENTAL SIGNAL MOUNTING HARDWARE FOR TRAFFIC SIGNAL STANDARDS LS	SPV.0105.12 SIGNAL MOUNTING HARDWARE FOR POLE MOUNTINGS LS	SPV.0105.13 SIGNAL MOUNTING HARDWARE FOR POLE MOUNTINGS LS
CAT 0080				
IH 94 EB RAMPS & STH 37 (HENDRICKSON DRIVE)	1		1	
IH 94 WB RAMPS & STH 37 (HENDRICKSON DRIVE)		1		1
ITEM TOTALS	1	1	1	1

TEMPORARY EVP SYSTEM

LOCATION	SPV.0105.14 TEMPORARY EVP SYSTEM LS	SPV.0105.15 TEMPORARY EVP SYSTEM LS
CAT 0080		
IH 94 EB RAMPS & STH 37 (HENDRICKSON DRIVE)	1	
IH 94 WB RAMPS & STH 37 (HENDRICKSON DRIVE)		1
ITEM TOTALS	1	1

3

3

REMOVING CONCRETE BASES

STATION	LOCATION	204.0195* REMOVING CONCRETE BASES EACH	COMMENTS
CAT 0090			
STAGE 2			
469'G'+85	LT	1	RAMP GATE
468'E'+56	RT	1	RAMP GATE
STAGE 2 TOTALS		2	
STAGE 3			
278'A'+02	LT	1	RAMP GATE
265'C'+10	RT	1	RAMP GATE
STAGE 3 TOTALS		2	
TOTALS		4	

* ADDITIONAL QUANTITIES SHOWN ELSEWHERE

CONCRETE BASES

STATION	LOCATION	654.0105* CONCRETE BASES TYPE 5 EACH	654.0220 CONCRETE CONTROL CABINET BASES TYPE 10 EACH	657.0100* PEDESTAL BASES EACH	657.0255* TRANSFORMER BASES BREAKAWAY 11 1/2-INCH BOLT CIRCLE EACH	COMMENTS
CAT 0090						
STAGE 2						
469'G'+85	LT	1	--	--	1	RAMP GATE
468'E'+56	RT	1	1	1	1	RAMP GATE
STAGE 2 TOTALS		2	1	1	2	
STAGE 3						
278'A'+02	LT	1	--	--	1	RAMP GATE
265'C'+10	RT	1	--	--	1	RAMP GATE
STAGE 3 TOTALS		2	--	--	2	
TOTALS		4	1	1	4	

* ADDITIONAL QUANTITIES SHOWN ELSEWHERE

3

3

RAMP GATE WIRING ITEMS

STATION	LOCATION	652.0225* CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH LF	653.0135* PULL BOXES STEEL 24X36-INCH EACH	655.0510 ELECTRICAL WIRE TRAFFIC SIGNALS 12 AWG LF	655.0525 ELECTRICAL WIRE TRAFFIC SIGNALS 6 AWG LF	COMMENTS
CAT 0090						
STAGE 2						
469'G'+85	LT	20	--	30	30	RAMP GATE - WIRE TO EXISTING PB
468'E'+56	RT	20	1	--	--	RAMP GATE - WIRE TO EXISTING PB
STAGE 2 TOTALS		40	1	30	30	
STAGE 3						
278'A'+02	LT	8	--	18	18	RAMP GATE - WIRE TO PB23
265'C'+10	RT	7	--	17	17	RAMP GATE - WIRE TO PB16
STAGE 3 TOTALS		14	--	34	34	
TOTALS		54	1	64	64	

* ADDITIONAL QUANTITIES SHOWN ELSEWHERE

RAMP GATES

STATION	LOCATION	657.0425* TRAFFIC SIGNAL STANDARDS ALUMINUM 15-FT EACH	SPV.0060.04 REMOVE AND REINSTALL RAMP CLOSURE GATE HARDWIRED 40-FT (STH 37 INTERCHANGE) EACH	SPV.0060.05 REMOVE EXISTING RAMP CLOSURE GATE SWINGING (STH 93 INTERCHANGE) EACH	SPV.0060.06 RAMP CLOSURE GATE SOLAR POWERED 30-FT (STH 93 INTERCHANGE) EACH	SPV.0060.07 RAMP CLOSURE GATE HARDWIRED 30-FT (STH 93 INTERCHANGE) EACH	SPV.0060.08 RAMP CLOSURE GATE ARMS STOCKPILE 30-FT EACH	SPV.0060.09 RAMP CLOSURE GATE FLASHERS STOCKPILE EACH	COMMENTS
CAT 0090									
STAGE 2									
469'G'+85	LT	--	--	1	--	1	1	3	RAMP G
468'E'+56	RT	1	--	1	1	--	1	3	RAMP E
STAGE 2 TOTALS		1	--	2	1	1	2	6	
STAGE 3									
278'A'+02	LT	--	1	--	--	--	--	--	RAMP A
265'C'+10	RT	--	1	--	--	--	--	--	RAMP C
STAGE 3 TOTALS		--	2	--	--	--	--	--	
TOTALS		1	2	2	1	1	2	6	

* ADDITIONAL QUANTITIES SHOWN ELSEWHERE

ITS CONDUIT, CABLE, AND FIBER ITEMS

FROM	TO	LINEAR DISTANCE	FIBER SLACK	652.0125 CONDUIT RIGID METALLIC 2-INCH LF	652.0225* CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH LF	652.0605 CONDUIT SPECIAL 2-INCH LF	671.0300 FIBER OPTIC CABLE MARKER EA	678.0006 INSTALL FIBER OPTIC CABLE OUTDOOR PLANT 6-COUNT LF	678.0300 FIBER OPTIC SPLICE EA	678.0400 FIBER OPTIC TERMINATION EA
CAT 0090										
TRAFFIC MB	PB3705	10	--	--	10	--	--	--	--	--
PB3705	PB3710	240	--	--	--	480	--	--	--	--
PB3710	PB3715	225	10	--	450	--	1	235	--	--
PB3715	CV3715	200	100	--	400	--	1	300	8	--
PB3710	PB3720	130	10	--	--	390	--	140	--	--
PB3720	PB3725	250	10	--	750	--	1	260	--	--
PB3725	PB3730	225	10	--	675	--	1	235	--	--
PB3730	CCTV-18-0016	5	30	10	10	--	--	35	--	6
TRAFFIC MB	PB9315	25	--	--	25	--	--	--	--	--
CV9315	PB9315	60	100	--	60	--	1	160	8	--
PB9315	PB9312	70	10	--	--	210	--	80	--	--
PB9312	PB9310	300	10	--	900	--	1	310	--	--
PB9310	PB9305	230	10	--	--	690	1	240	--	--
PB9305	CCTV-18-0017	5	30	10	10	--	1	35	--	6
TOTAL				20	3,290	1,770	8	2,030	16	12

* ADDITIONAL QUANTITIES SHOWN ELSEWHERE

ITS PULLBOXES

LOCATION	ITEM ID	653.0135* PULL BOXES STEEL 24 x 36 EA	673.0105 COMMUNICATIONS VAULT TYPE 1 EA
CAT 0090			
IH 94 & STH 37	PB3705	1	--
IH 94 & STH 37	PB3710	1	--
IH 94 & STH 37	PB3715	1	--
IH 94 & STH 37	PB3720	1	--
IH 94 & STH 37	PB3725	1	--
IH 94 & STH 37	PB3730	1	--
IH 94 & STH 37	CV3715	--	1
IH 94 & STH 37	PB9305	1	--
IH 94 & STH 37	PB9310	1	--
IH 94 & STH 37	PB9312	1	--
IH 94 & STH 37	PB9315	1	--
IH 94 & STH 37	CV9315	--	1
TOTAL		10	2

* ADDITIONAL QUANTITIES SHOWN ELSEWHERE

ITS LUMP-SUM ITEMS

ITEM I.D.	670.0100 FIELD SYSTEM INTEGRATOR EA	670.0200 ITS DOCUMENTATION EA	678.0500 COMMUNICATION SYSTEM TESTING EA
CAT 0090			
PROJECT I.D. 1022-08-73	1	1	1
TOTAL	1	1	1

ITS POWER

ITEM I.D.	LOCATION	MB I.D.	NUMBER OF WIRES	WIRE LINEAR DISTANCE FROM CABINET TO METER BREAKER	655.0615 ELECTRICAL WIRE LIGHTING 10 AWG LF	655.0630 ELECTRICAL WIRE LIGHTING 4 AWG LF	656.0500.01 ELECTRICAL SERVICE BREAKER DISCONNECT BOX (CCTV-18-0016) LS	656.0500.02 ELECTRICAL SERVICE BREAKER DISCONNECT BOX (CCTV-18-0017) LS
CAT 0090								
CCTV-18-0016	IH 94 & STH 37	EXISTING TRAFFIC SIGNAL	3	860	930	2,790	1	--
CCTV-18-0017	IH 94 & STH 93	EXISTING TRAFFIC SIGNAL	3	615	665	1,995	--	1
TOTAL					1,595	4,785	1	1

ITS CABINETS

ITEM I.D.	LOCATION	659.0802 PLAQUES SEQUENCE IDENTIFICATION EA	673.0225.S INSTALL POLE MOUNTED CABINET EA	675.0400.S INSTALL EHTERNET SWITCH EA	677.0300.S INSTALL VIDEO ENCODER EA
CAT 0090					
CCTV-18-0016	IH 94 & STH 37	2	1	1	1
CCTV-18-0017	IH 94 & STH 93	2	1	1	1
TOTAL		4	2	2	2

ITS CCTV

ITEM I.D.	LOCATION	672.0250 BASE CAMERA POLE 50-FT EA	677.0100 INSTALL CAMERA POLE EA	677.0200 INSTALL CAMERA ASSEMBLY EA
CAT 0090				
CCTV-18-0016	IH 94 & STH 37	1	1	1
CCTV-18-0017	IH 94 & STH 93	1	1	1
TOTAL		2	2	2

*CROSS SLOPE TRANSITIONS				
LOCATION	BT	SLOPE	ET	SLOPE
LT SHOULDER	256'EB'+75	-1.50%	258'EB'+25	4.00%
LT LANE	256'EB'+75	-1.50%	257'EB'+75	2.00%
RT LANE	256'EB'+75	-1.50%	257'EB'+00	-2.00%
RT SHOULDER	256'EB'+75	-1.50%	257'EB'+50	-4.00%

N

0 50 100
SCALE IN FEET

CHIPPEWA R.

STRUCTURE B-18-24
(TO REMAIN)

R/L IH 94 WB

ABANDONING CULVERT PIPE (14'LT TO 90'RT) AND
REMOVING SMALL PIPE CULVERT (90'RT TO 120'RT)

STRUCTURE NO. 54

SLOPE INTERCEPT

246'WB' 248'WB' 250'WB' 252'WB' IH 94 WB 254'WB' 256'WB' 258'WB' 260'WB'

246'EB' 248'EB' 250'EB' 252'EB' 254'EB' 256'EB' 258'EB' 260'EB'

IH 94 EB

BM 1824

BM 1823

EXISTING CONCRETE PAVEMENT
APPROACH SLAB TO REMAIN
(FIELD VERIFY)

SALVAGE RAIL

+28.67
8.00'LT

+58.67
6.00'LT

MATCH LINE STA 260EB+00

R/L IH 94 EB

STA 247'EB'+14.91 TO
STA 256'EB'+57.57
STRUCTURE B-18-23
TO REMAIN IN PLACE
7-SPAN CONTINUOUS STEEL
32 FT CLEAR ROADWAY WIDTH
SKEW 0.4° RHF

BEGIN PROJECT
1022-08-73
STA 256'EB'+73.24
Y = 267232.69
X = 329844.22
MATCH EXISTING
SAW CUT REQUIRED

+65.50
29.19'RT

+83.02
29.00'RT

MGS THRIE BEAM TRANSITION
AND TERMINAL 2

CONCRETE COLLAR
REQ'D
STRUCTURE NO.55

CONCRETE PAVEMENT
12-INCH, SPECIAL
(DOWELED)

+37.62
36.00'RT

HMA PAVEMENT
TYPE E-0.3,
4-INCH

+57.62
34.00'RT

BASE AGGREGATE DENSE
¾-INCH, 3-INCH

REMOVE FENCE

STEEL THRIE BEAM
BULLNOSE TERMINAL
AND STRUCTURE
APPROACH

12.5:1
TAPER

+33.42
34.00'RT

BASE AGGREGATE DENSE
¾-INCH, 3-INCH

SLOPE INTERCEPT

BIKE PATH

BENCH MARKS

NO.	STATION	DESCRIPTION	ELEV.
1823	247'EB'+09,RT	SW PARAPET B-18-23 I94 EB	794.87
		BRIDGE OVER CHIPPEWA RIVER	
1824	256'WB'+94,LT	NW PARAPET B-18-24 I94 WB	804.54
		BRIDGE OVER CHIPPEWA RIVER	

X = CLEARING AND GRUBBING

NOTE: SEE MISCELLANEOUS QUANTITIES
FOR INVERT ELEVATIONS

VCL = 800'
K = 730

VPI STA 256'EB'+73.24
VPI EL 801.95
VPC STA 257'EB'+00.00
VPC EL 802.22

EXISTING PROFILE

1.00%
1.09%
0.84%
1.19%

MATCH EXISTING

PROPOSED PROFILE

SPECIAL DITCH LEFT

STA 247'EB'+14.91 TO
STA 256'EB'+57.57
STRUCTURE B-18-23
TO REMAIN IN PLACE
7-SPAN CONTINUOUS STEEL
32 FT CLEAR ROADWAY WIDTH
SKEW 0.4° RHF

EXISTING PROFILE ELEVATIONS AT R/L
PROPOSED PROFILE ELEVATIONS AT R/L

246'EB'+00	248'EB'+00	250'EB'+00	252'EB'+00	254'EB'+00	256'EB'+00	258'EB'+00	260'EB'+00
790.45	790.95	791.33	791.90	792.44	778.66	792.95	
					757.90	793.44	
					754.33	793.93	
					754.33	794.42	
					757.07	794.91	
					756.44	795.40	
					754.87	795.89	
					796.38	796.88	797.37
					797.86	798.35	798.84
					799.33	759.70	799.82
					769.62	800.31	766.71
					800.80	773.88	801.24
					794.00	801.73	802.32
					802.22	803.02	802.73
					803.65	803.28	804.27
					803.87	804.88	804.48
					805.51	805.13	806.19
					805.82		

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	PLAN AND PROFILES - IH 94 EB	SHEET 425	E

FILE NAME : CH_0803_050101_pp.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT NAME : PLOT SCALE : 100:1

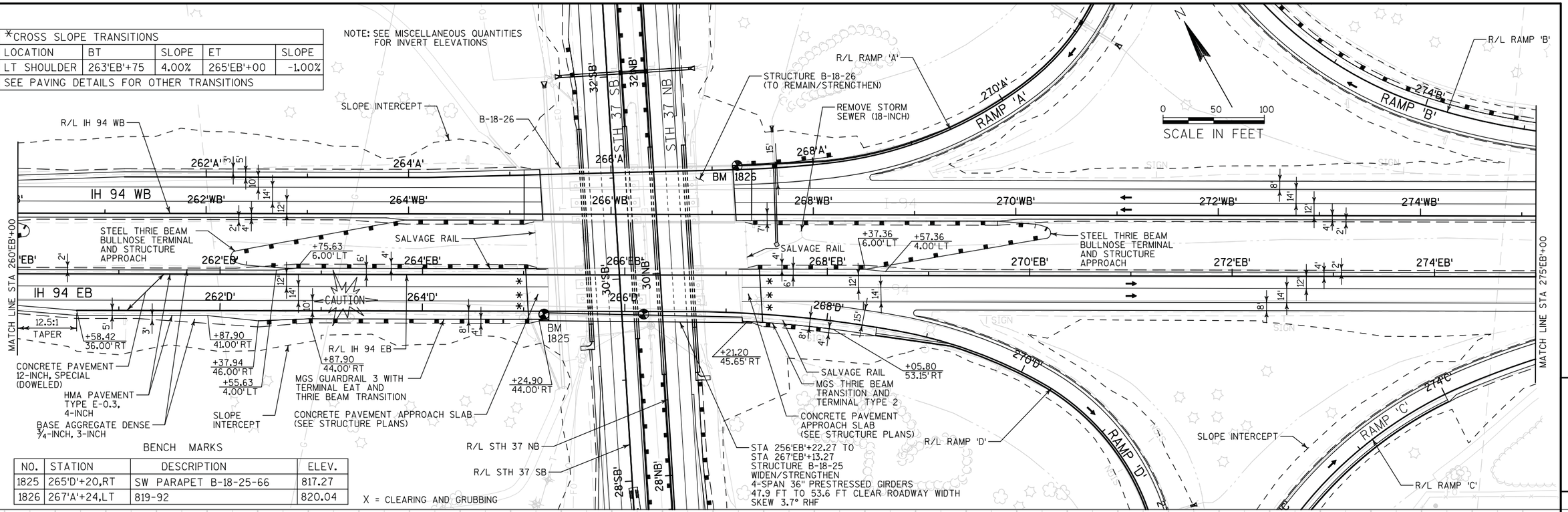
WISDOT/CADDS SHEET 40

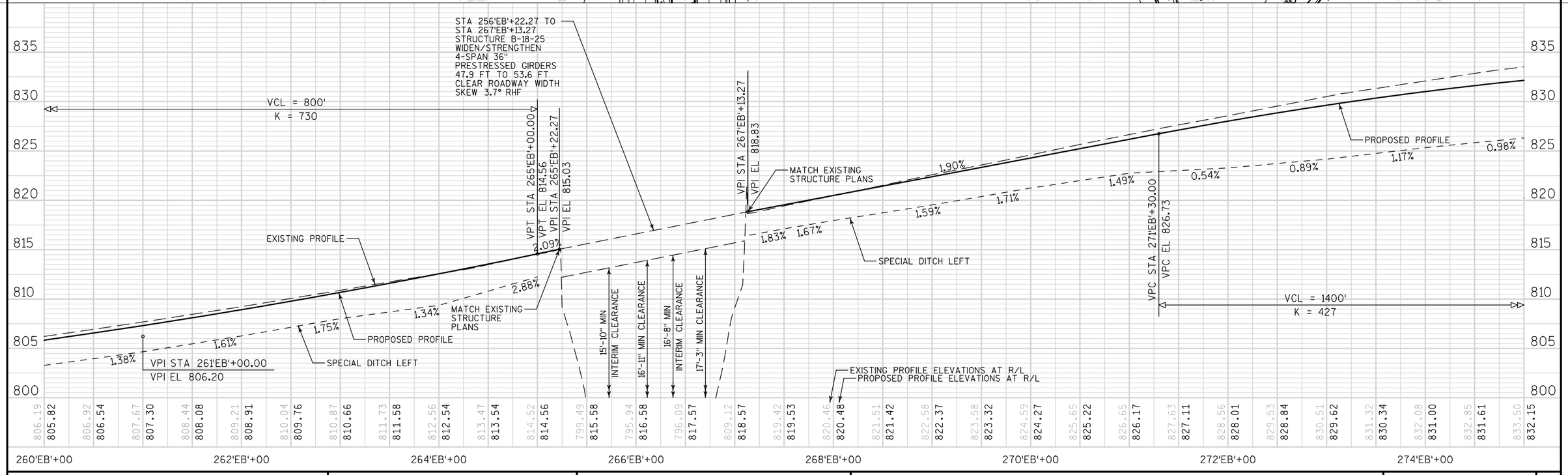
*CROSS SLOPE TRANSITIONS				
LOCATION	BT	SLOPE	ET	SLOPE
LT SHOULDER	263'EB'+75	4.00%	265'EB'+00	-1.00%
SEE PAVING DETAILS FOR OTHER TRANSITIONS				

NOTE: SEE MISCELLANEOUS QUANTITIES FOR INVERT ELEVATIONS

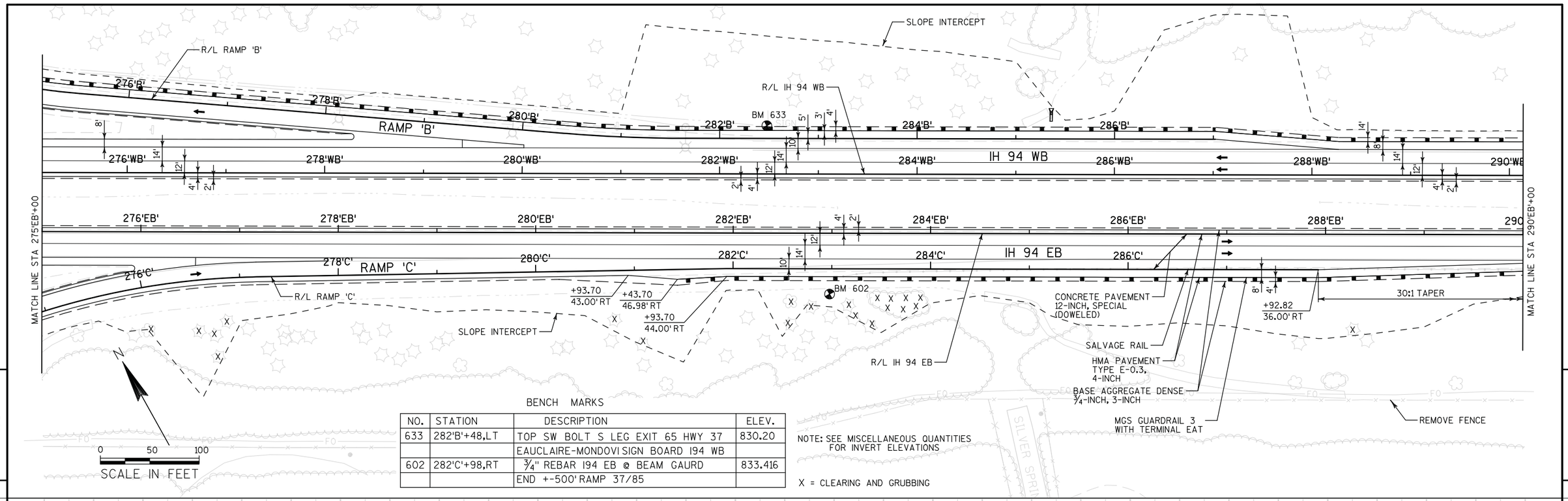
BENCH MARKS			
NO.	STATION	DESCRIPTION	ELEV.
1825	265'D'+20,RT	SW PARAPET B-18-25-66	817.27
1826	267'A'+24,LT	819-92	820.04

X = CLEARING AND GRUBBING





PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	PLAN AND PROFILES	SHEET 426	E

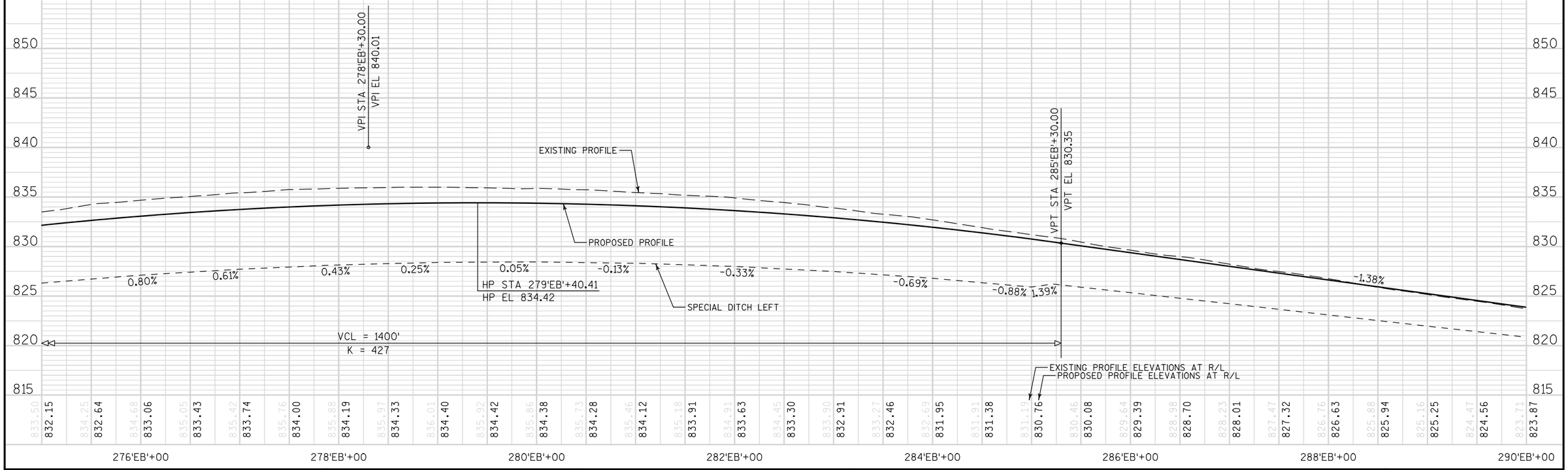


BENCH MARKS

NO.	STATION	DESCRIPTION	ELEV.
633	282'B'+48,LT	TOP SW BOLT S LEG EXIT 65 HWY 37	830.20
		EAUCLAIRE-MONDOVI SIGN BOARD I94 WB	
602	282'C'+98,RT	3/4" REBAR I94 EB @ BEAM GAURD	833.416
		END +-500' RAMP 37/85	

NOTE: SEE MISCELLANEOUS QUANTITIES FOR INVERT ELEVATIONS

X = CLEARING AND GRUBBING



PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	PLAN AND PROFILES - IH 94 EB	SHEET 427	E

*CROSS SLOPE TRANSITIONS				
LOCATION	BT	SLOPE	ET	SLOPE
LT LANE	290'EB'+50	2.00%	291'EB'+50	-1.50%
RT LANE	291'EB'+25	-2.00%	291'EB'+50	-1.50%

REMOVE FENCE

SLOPE INTERCEPT

R/L IH 94 WB

STRUCTURE B-18-204
(TO REMAIN)

BM 18-204

292'WB' 294'WB' 296'WB' 298'WB' IH 94 WB 300'WB' 302'WB' 304'WB'

STEEL THRIE BEAM
BULLNOSE TERMINAL
AND STRUCTURE
APPROACH

+50.66
12.50'LT

+96.09
12.50'LT

CONCRETE PAVEMENT
12-INCH, SPECIAL (DOWELED)

+92.82
26.00'RT

292'EB' 294'EB' 296'EB' 298'EB' IH 94 EB 300'EB' 302'EB' 304'EB'

SALVAGE RAIL

+80.31
4.00'LT

MATCH LINE STA 290'EB'+00

MATCH LINE STA 305'EB'+00

+51.39
34.00'RT

+48.00
4.00'LT

+68.00
6.00'LT

+30.00
4.00'LT

SALVAGE RAIL

+34.17
13.19'LT

+73.60
13.19'LT

BM 18-203

+69.39
34.73'RT

30:1
TAPER

+47.25
34.00'RT

EXISTING PAVEMENT
TO REMAIN

HMA PAVEMENT
TYPE E-0.3, 4-INCH
AND PREPARE FOUNDATION
FOR ASPHALTIC SHOULDERS

R/L IH 94 EB

BM
603

+35.36
34.00'RT

MGS GUARDRAIL 3
WITH TERMINAL EAT
AND THRIE BEAM
TRANSITION

+34.30
48.74'RT

+73.70
48.74'RT

+58.64
48.66'RT

HMA PAVEMENT
TYPE E-0.3, 4-INCH
AND PREPARE FOUNDATION
FOR ASPHALTIC SHOULDERS

EXISTING PAVEMENT
TO REMAIN

MGS GUARDRAIL 3
WITH TERMINAL
TYPE 2

SALVAGE RAIL

HMA PAVEMENT
TYPE E-0.3,
4-INCH

BASE AGGREGATE DENSE
3/4-INCH, 3-INCH

EXCEPTION TO NET CENTERLINE LENGTH
STA 291'EB'+50 - STA 307'EB'+00
MATCH EXISTING
SAW CUT REQUIRED

STA 298'EB'+92.29 TO
STA 300'EB'+38.90
STRUCTURE B-18-203
TO REMAIN IN PLACE
1-SPAN PRESTRESSED CONCRETE
60.2 FT CLEAR ROADWAY WIDTH
SKEW 0.3° LHF

REMOVE FENCE

REMOVE FENCE

BENCH MARKS

NO.	STATION	DESCRIPTION	ELEV.
603	295'EB'+97,RT	TOP 3/4' REBAR I94 EB +-150' W	815.00
		LOWES CREEK BRIDGE B-18-203 @AEW	
18-203	298'EB'+76,RT	DISC SW PARAPET WALL LOWES	821.94
		CREEK BRIDGE EB I94	
18-204	300'WB'+66,LT	824.926 WRITTEN ON WALL 6A120	825.06

NOTE: SEE MISCELLANEOUS QUANTITIES
FOR INVERT ELEVATIONS

X = CLEARING AND GRUBBING

0 50 100
SCALE IN FEET

840 835 830 825 820 815 810 805

-1.12%

PROPOSED PROFILE

SPECIAL DITCH LEFT

EXISTING PROFILE

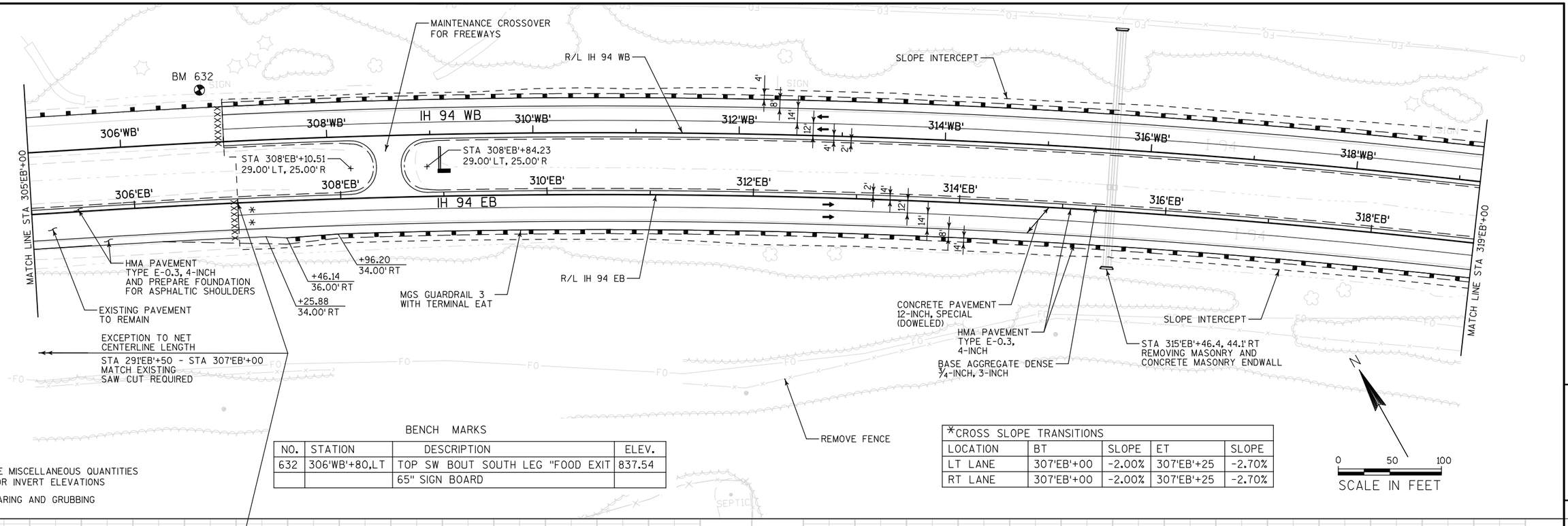
STA 298'EB'+92.29 TO
STA 300'EB'+38.90
STRUCTURE B-18-203
TO REMAIN IN PLACE
1-SPAN PRESTRESSED CONCRETE
60.2 FT CLEAR ROADWAY WIDTH
SKEW 0.3° LHF

EXISTING PROFILE ELEVATIONS AT R/L
PROPOSED PROFILE ELEVATIONS AT R/L

823.71 823.87 823.21 823.18 822.49 822.49 821.80 821.80 820.93 820.20 819.64 819.15 818.72 818.37 818.18 818.05 818.01 818.15 818.33 818.54 818.91 819.38 808.37 780.65 793.57 822.00 822.93 823.90 824.97 826.14 827.43 828.74 830.21 831.69 833.19

290'EB'+00 292'EB'+00 294'EB'+00 296'EB'+00 298'EB'+00 300'EB'+00 302'EB'+00 304'EB'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	PLAN AND PROFILES - IH 94 EB	SHEET 428	E



NOTE: SEE MISCELLANEOUS QUANTITIES FOR INVERT ELEVATIONS

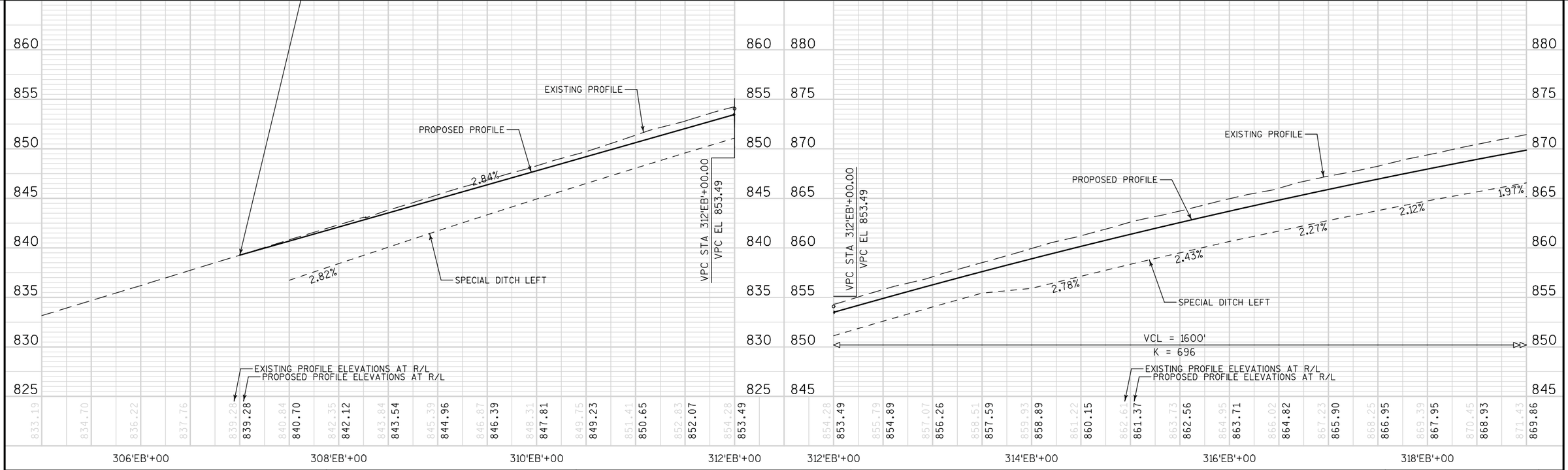
X = CLEARING AND GRUBBING

BENCH MARKS

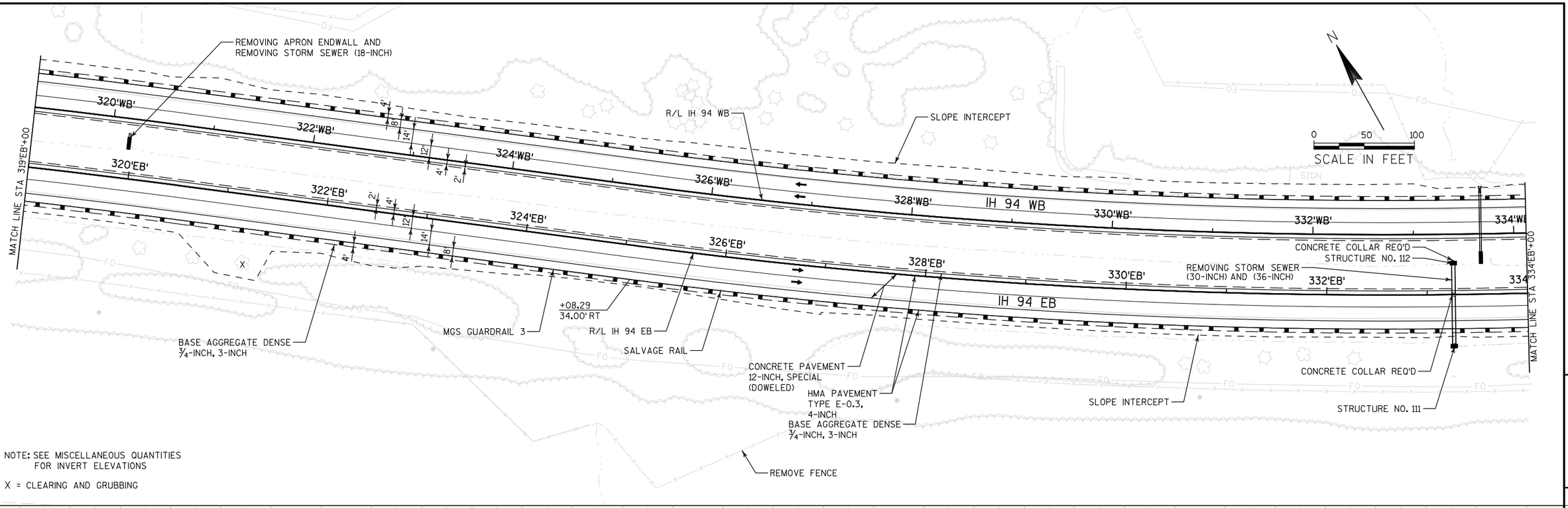
NO.	STATION	DESCRIPTION	ELEV.
632	306'WB'+80,LT	TOP SW BOUT SOUTH LEG "FOOD EXIT	837.54
		65" SIGN BOARD	

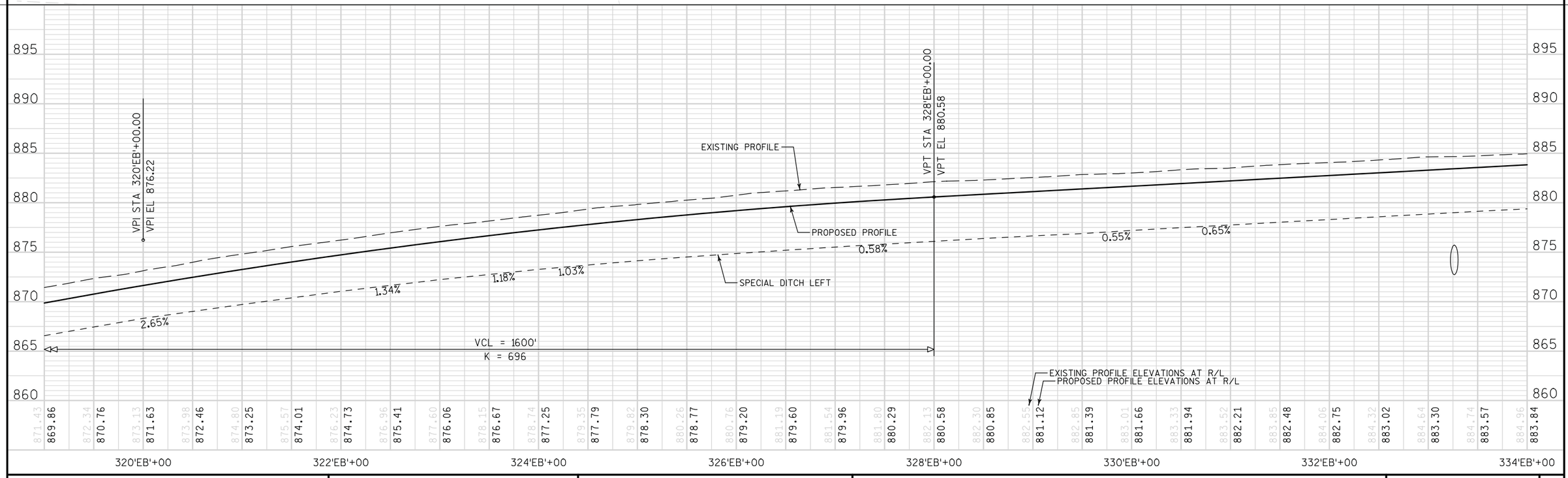
*CROSS SLOPE TRANSITIONS

LOCATION	BT	SLOPE	ET	SLOPE
LT LANE	307'EB'+00	-2.00%	307'EB'+25	-2.70%
RT LANE	307'EB'+00	-2.00%	307'EB'+25	-2.70%

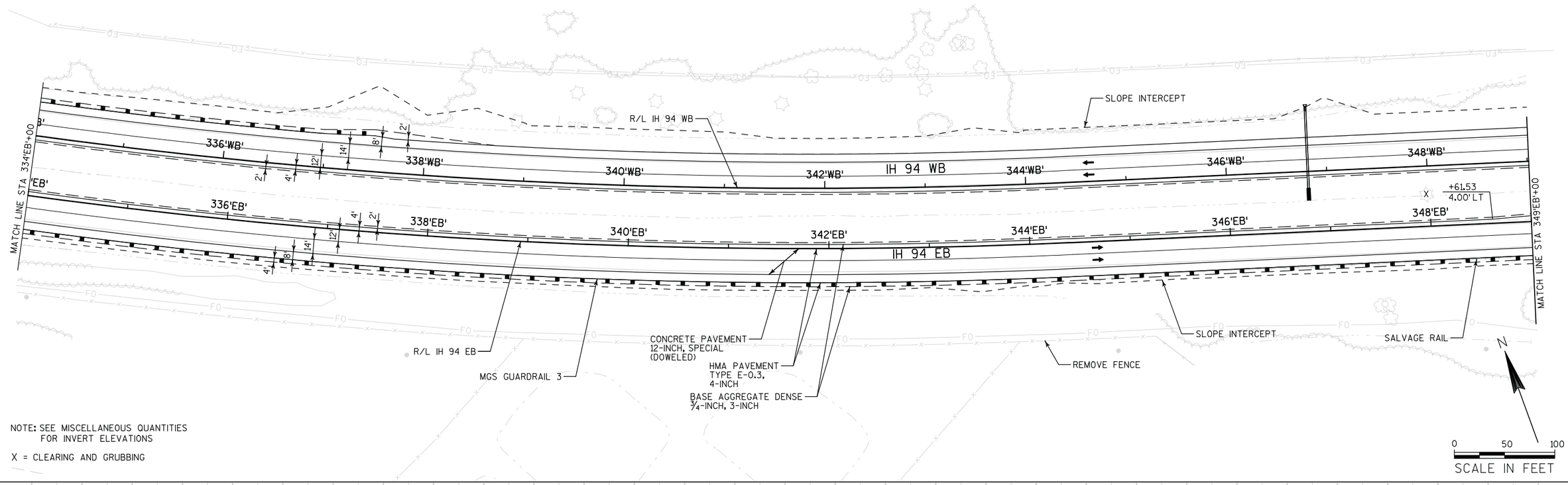


PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	PLAN AND PROFILES - IH 94 EB	SHEET 429	E



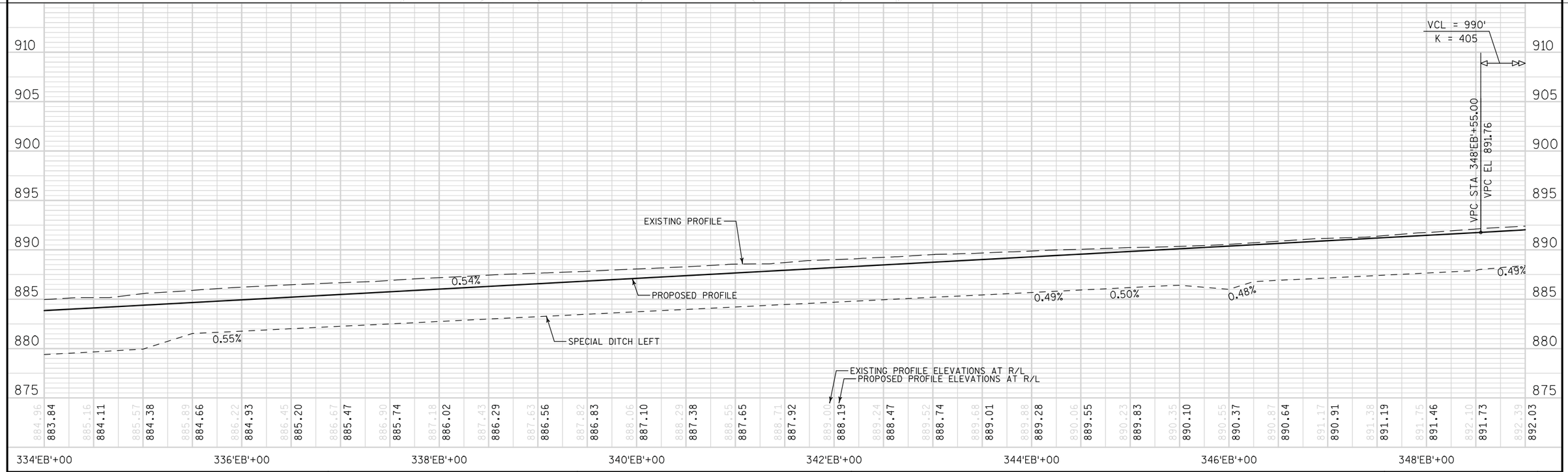


PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	PLAN AND PROFILES - IH 94 EB	SHEET 430	E

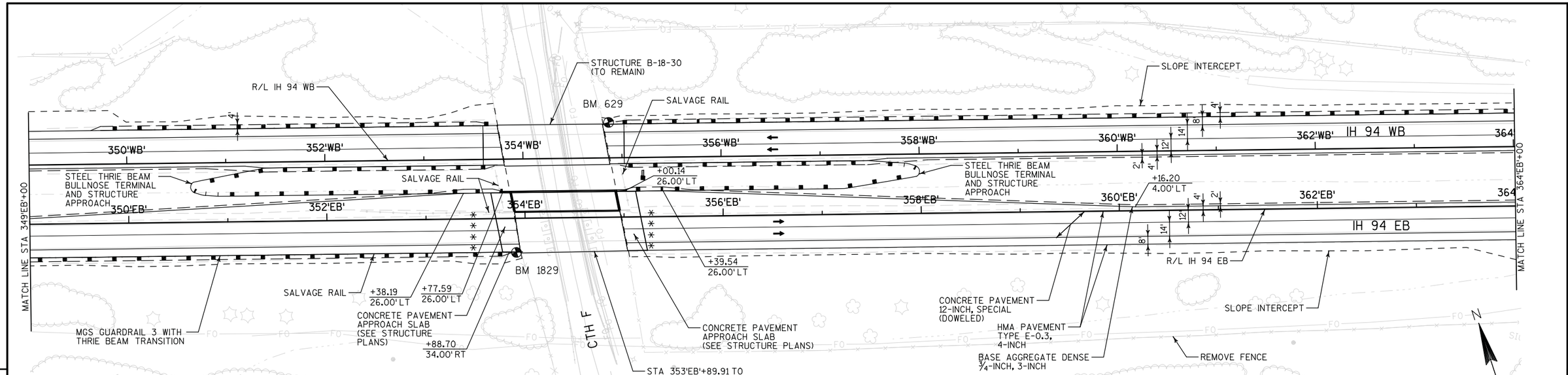


NOTE: SEE MISCELLANEOUS QUANTITIES FOR INVERT ELEVATIONS

X = CLEARING AND GRUBBING



PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	PLAN AND PROFILES - IH 94 EB	SHEET 431	E



BENCH MARKS

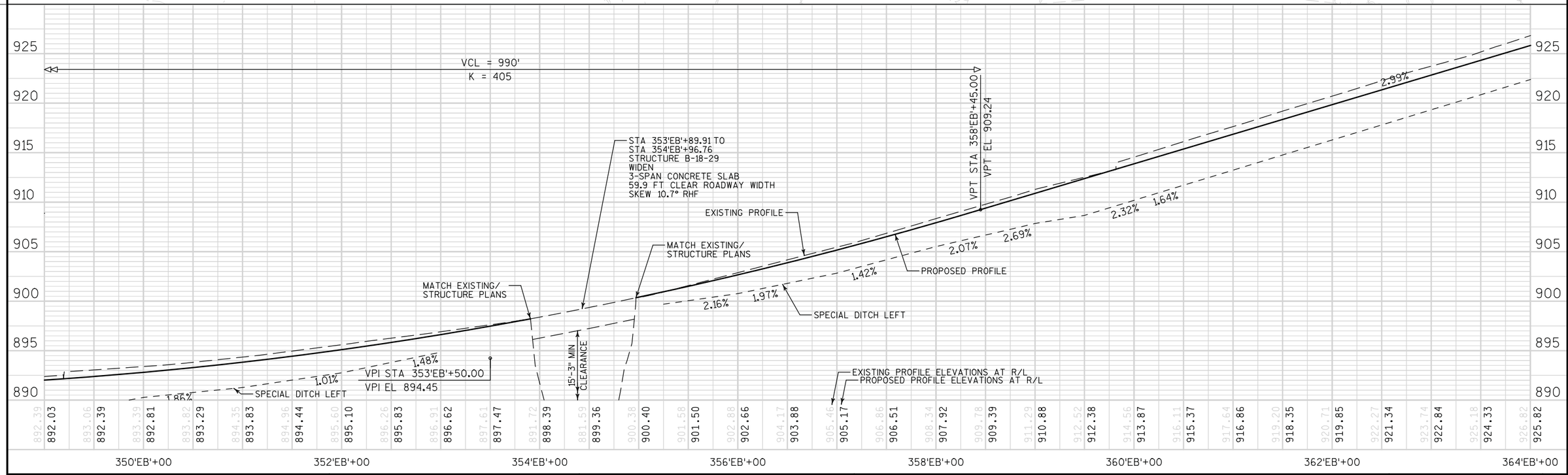
NO.	STATION	DESCRIPTION	ELEV.
1829	353'EB'+91,RT	TOP SW PARAPET WALL B-18-29-65	900.52
		OVER CTH F	
629	354'WB'+87,LT	DISC NE PARAPET WALL I94 WB BRIDGE	902.27
		B-18-30 CTH F UNDER I94	

NOTE: SEE MISCELLANEOUS QUANTITIES FOR INVERT ELEVATIONS

X = CLEARING AND GRUBBING

*CROSS SLOPE TRANSITIONS

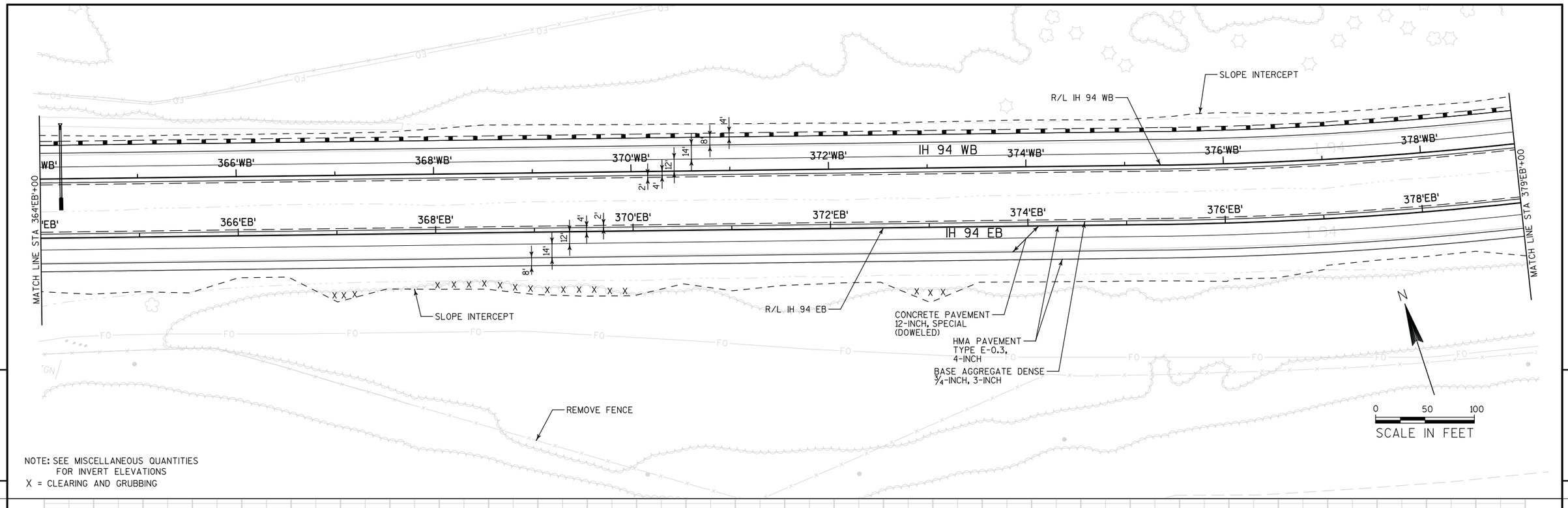
LOCATION	BT	SLOPE	ET	SLOPE	BT	SLOPE	ET	SLOPE
LT SHOULDER	352'EB'+50	4.00%	353'EB'+75	-1.00%	355'EB'+25	-1.00%	356'EB'+50	4.00%
LT LANE	353'EB'+00	2.00%	353'EB'+75	-1.00%	355'EB'+25	-1.00%	356'EB'+00	2.00%
RT LANE	353'EB'+50	-2.00%	353'EB'+75	-1.00%	355'EB'+25	-1.00%	355'EB'+50	-2.00%
RT SHOULDER	353'EB'+00	-4.00%	353'EB'+75	-1.00%	355'EB'+25	-1.00%	356'EB'+00	-4.00%



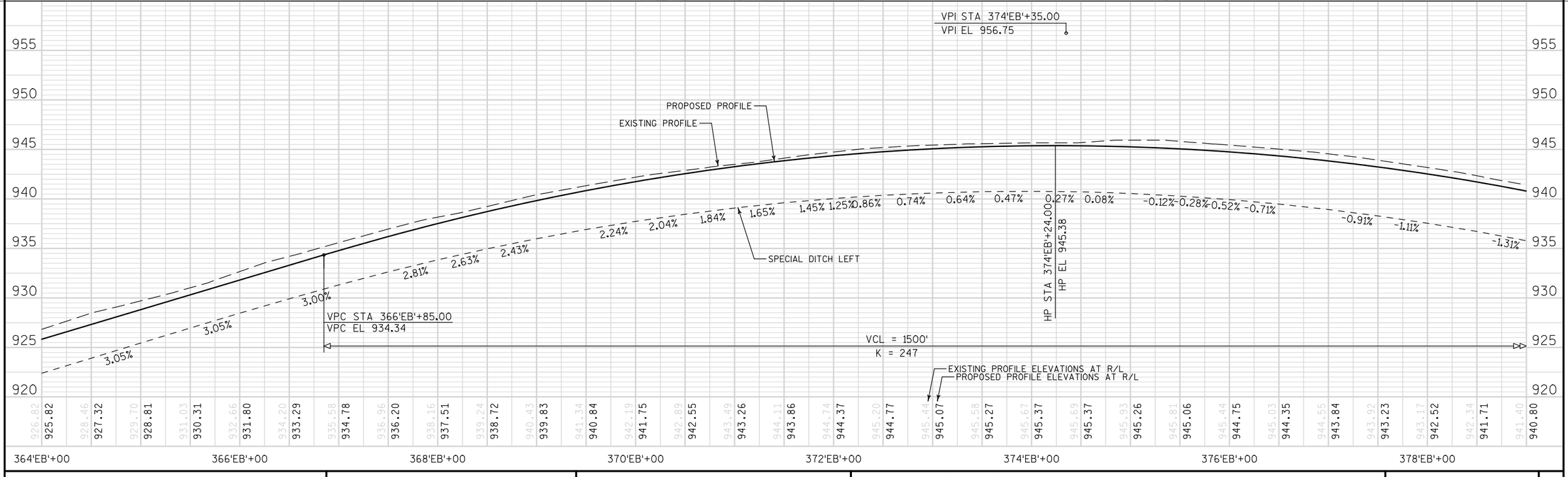
PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	PLAN AND PROFILES - IH 94 EB	SHEET 432	E

FILE NAME : CH_0803_050108_pp.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT NAME : PLOT SCALE : 100:1

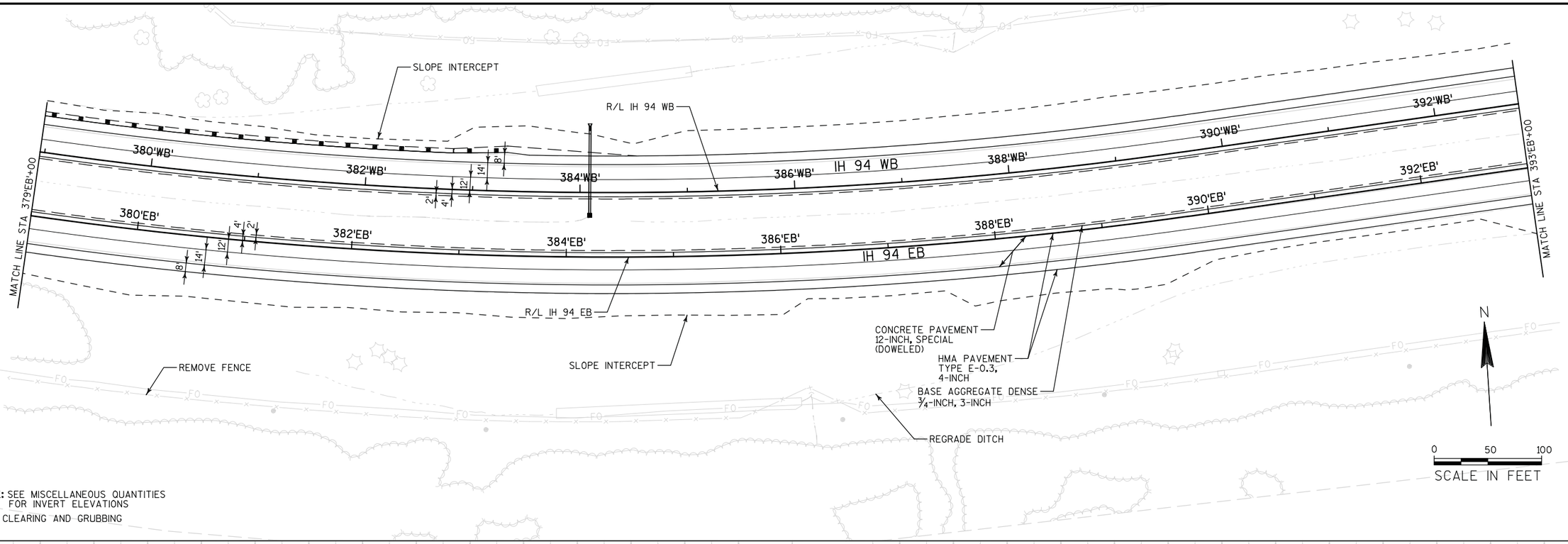
WISDOT/CADDS SHEET 40



NOTE: SEE MISCELLANEOUS QUANTITIES
FOR INVERT ELEVATIONS
X = CLEARING AND GRUBBING

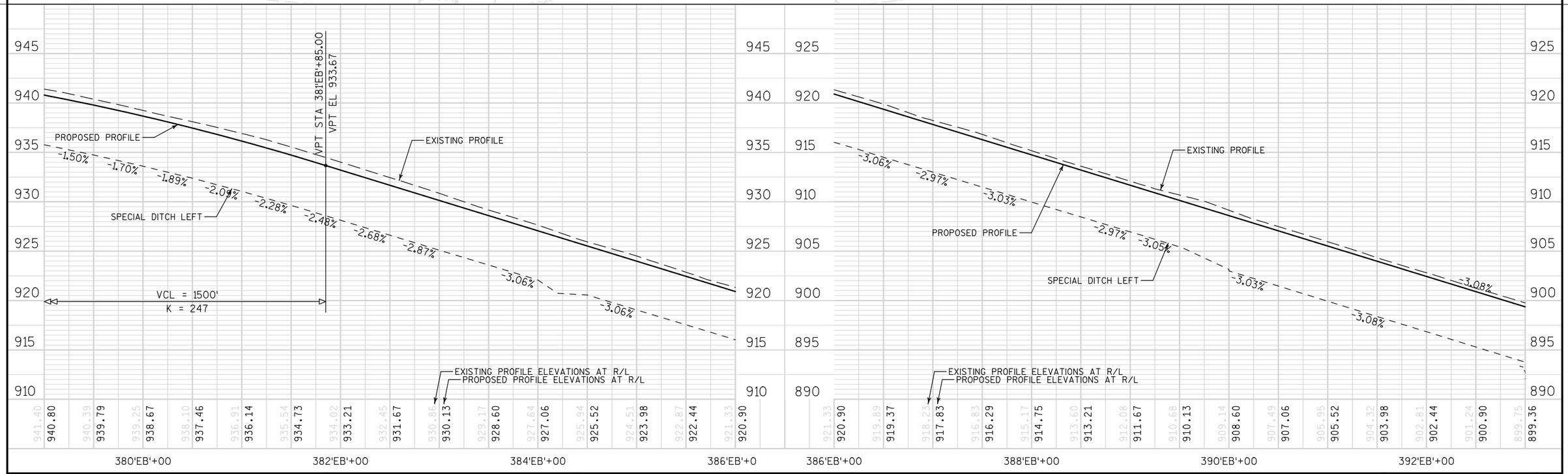


PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	PLAN AND PROFILES - IH 94 EB	SHEET 433	E

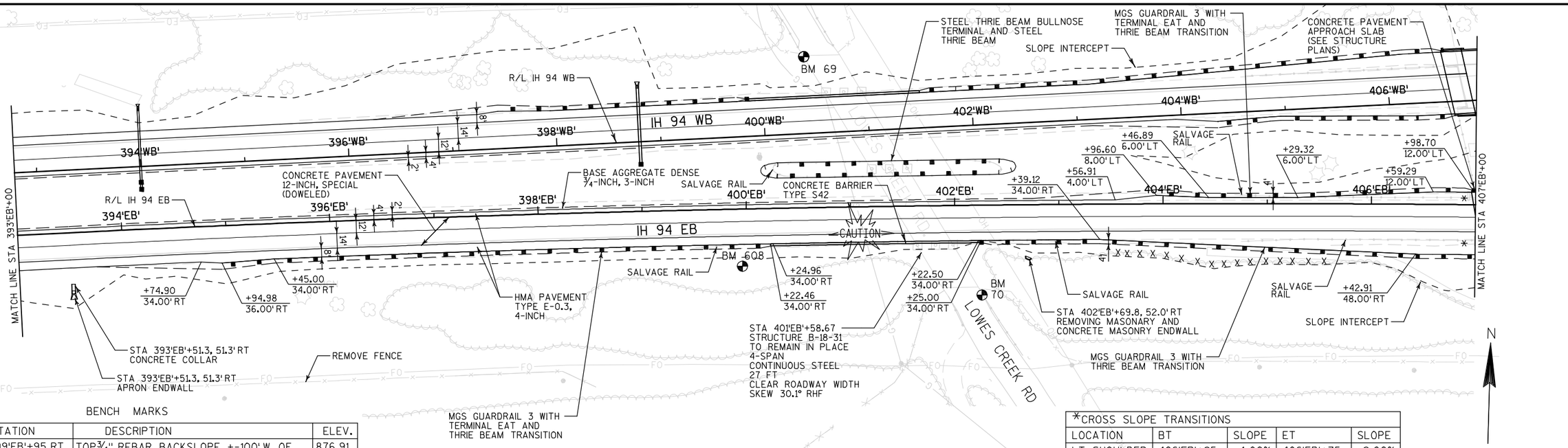


NOTE: SEE MISCELLANEOUS QUANTITIES FOR INVERT ELEVATIONS

X = CLEARING AND GRUBBING



PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	PLAN AND PROFILES - IH 94 EB	SHEET 434	E



BENCH MARKS

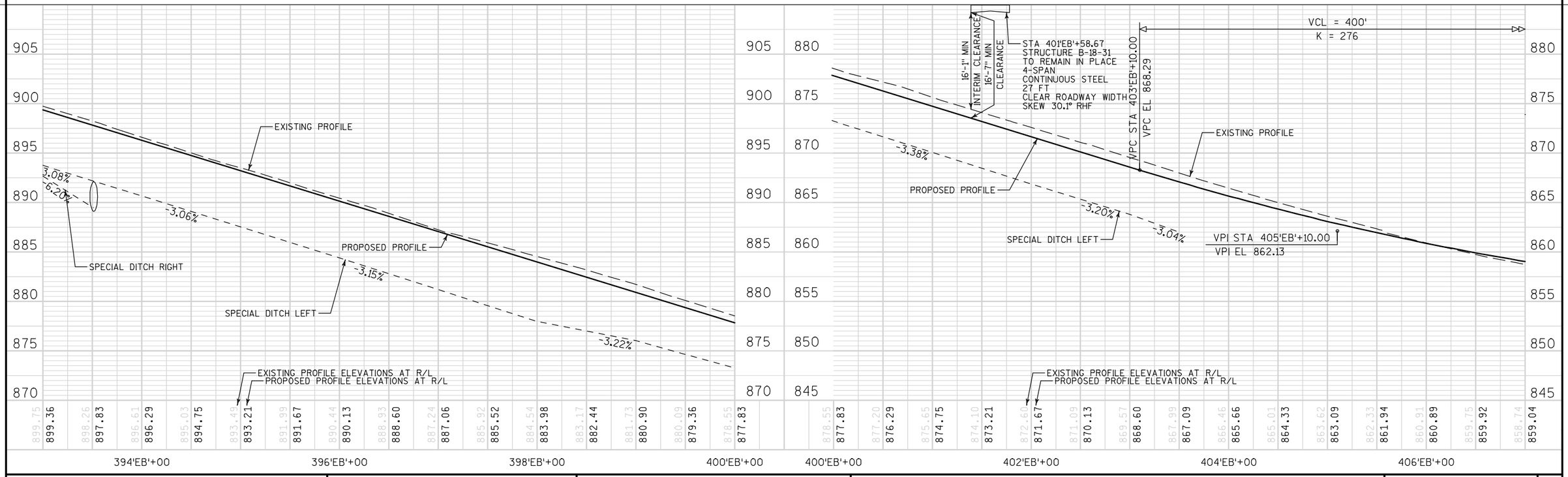
NO.	STATION	DESCRIPTION	ELEV.
608	399'EB'+95,RT	TOP 3/4" REBAR BACKSLOPE +-100' W OF	876.91
		BRIDGE OVER I94 & LOWES CREEK ROAD	
69	400'WB'+41,LT	TOP NW COR PARAPET WALL TO BRIDGE	894.236
		OVER I94 S LOWES CREEK ROAD	
70	402'EB'+25,RT	S LOWES CREEK ROAD BRASS CAP 894.77	894.73

NOTE: SEE MISCELLANEOUS QUANTITIES FOR INVERT ELEVATIONS

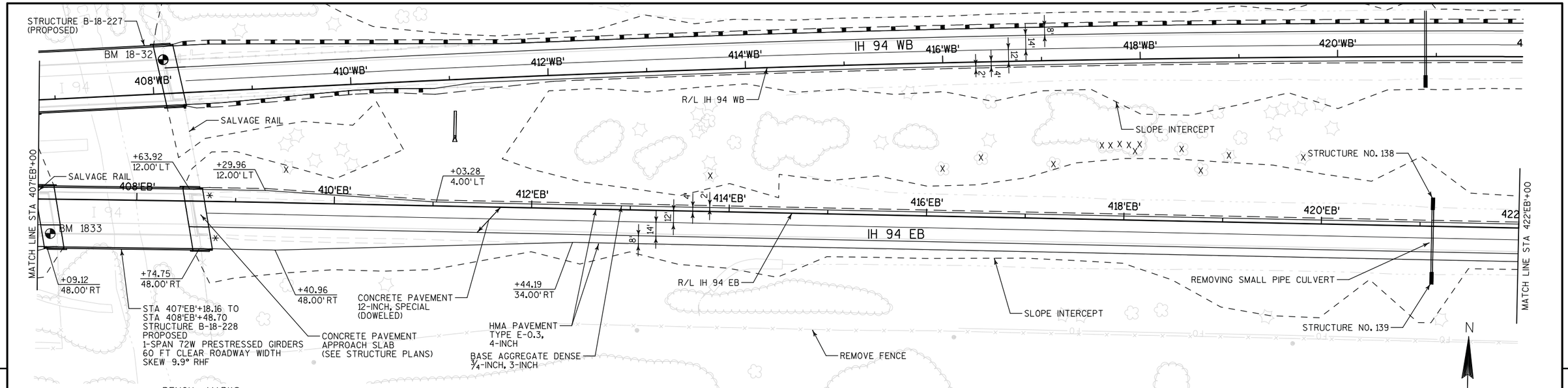
X = CLEARING AND GRUBBING

*CROSS SLOPE TRANSITIONS

LOCATION	BT	SLOPE	ET	SLOPE
LT SHOULDER	406'EB'+25	4.00%	406'EB'+75	2.00%
RT SHOULDER	406'EB'+25	-4.00%	406'EB'+75	-2.00%
HOLD SLOPES ACROSS B-18-228				



PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	PLAN AND PROFILES - IH 94 EB	SHEET 435	E



BENCH MARKS

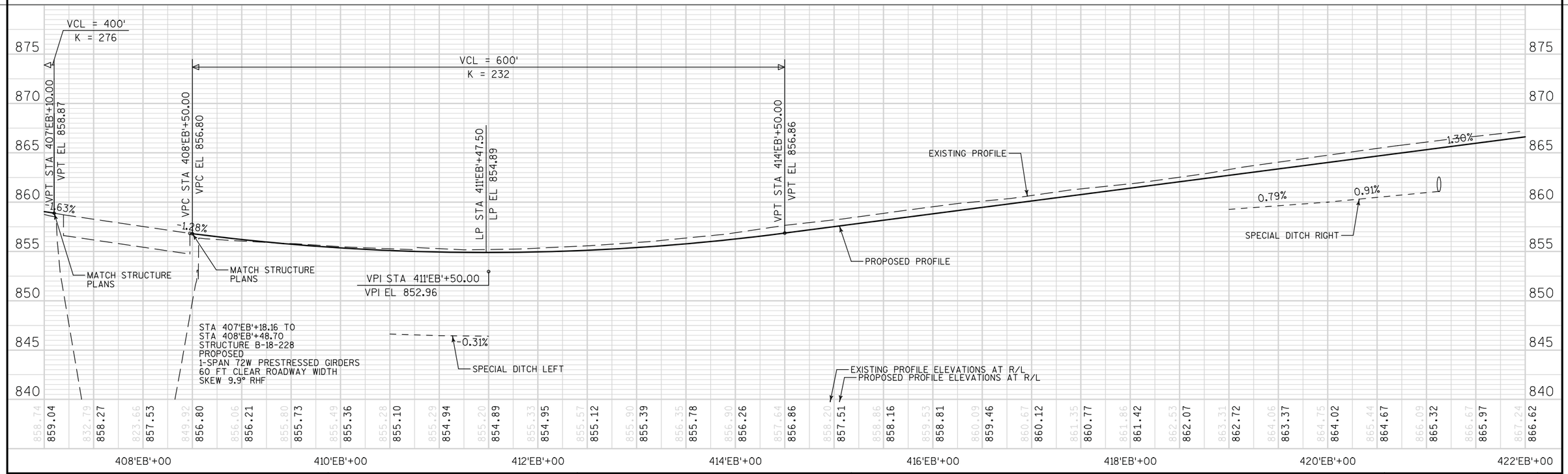
NO.	STATION	DESCRIPTION	ELEV.
1833	407'EB'+13,RT	DISC SW COR PARAPET WALL BRIDGE	860.89
		B-18-33-65 LOWES CREEK TS RIDGE	
		(EAST) 860.98	
18-32	408'WB'+12,LT	DISC NE PARAPET WALL WB BRIDGE	858.00
		OVER LOWES CREEK	

*CROSS SLOPE TRANSITIONS

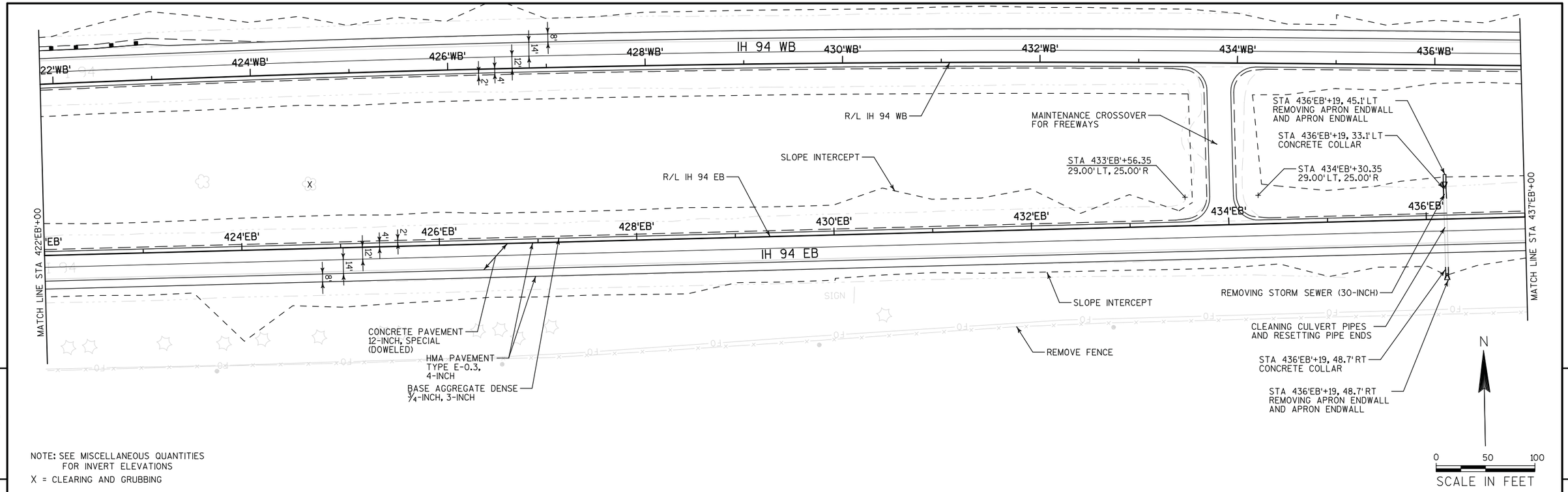
LOCATION	BT	SLOPE	ET	SLOPE
LT SHOULDER	408'EB'+75	2.00%	409'EB'+25	4.00%
RT SHOULDER	408'EB'+75	-2.00%	409'EB'+25	-4.00%

X = CLEARING AND GRUBBING

NOTE: SEE MISCELLANEOUS QUANTITIES FOR INVERT ELEVATIONS

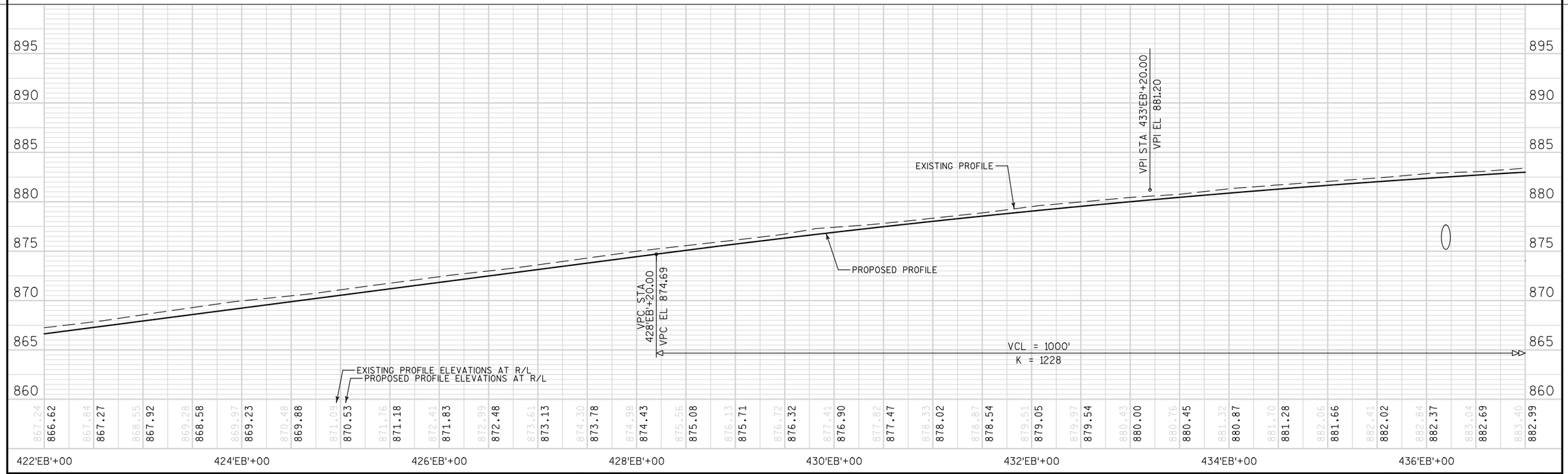


PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	PLAN AND PROFILES - IH 94 EB	SHEET 436 E

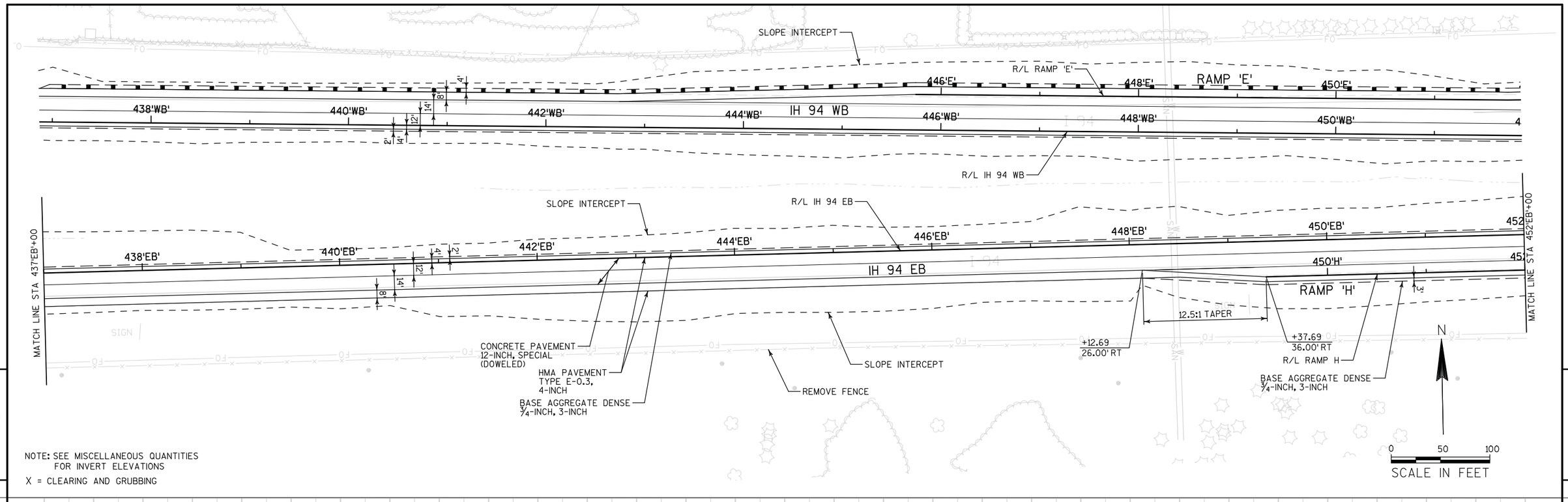


NOTE: SEE MISCELLANEOUS QUANTITIES FOR INVERT ELEVATIONS

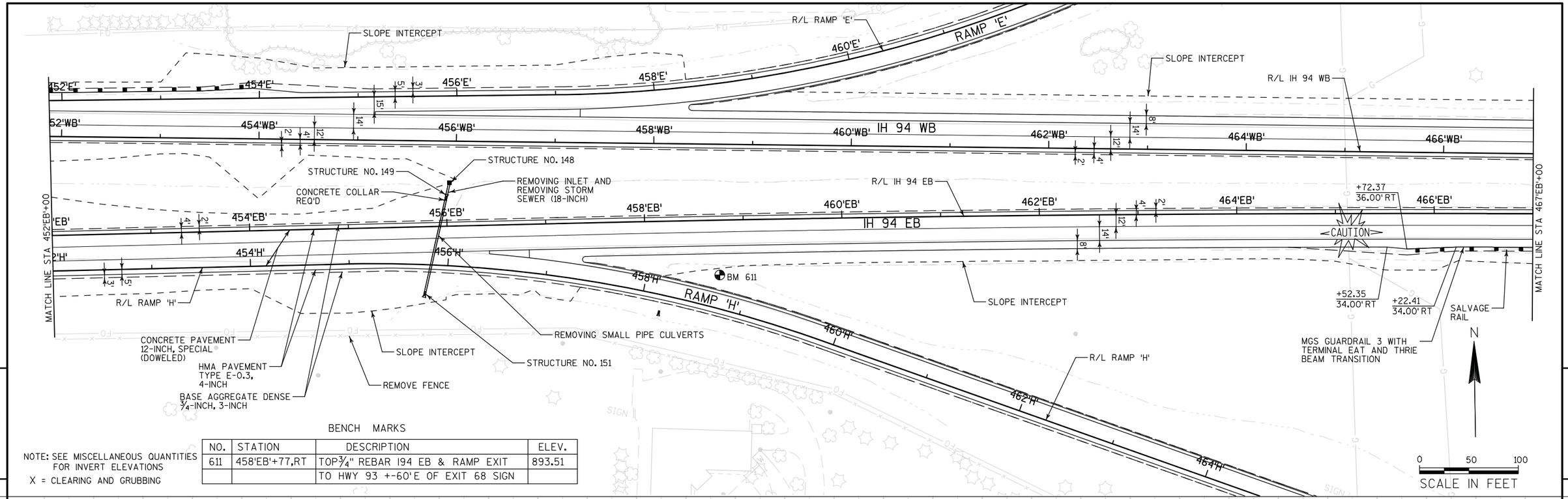
X = CLEARING AND GRUBBING



PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	PLAN AND PROFILES - IH 94 EB	SHEET 437	E



PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	PLAN AND PROFILES - IH 94 EB	SHEET 438	E

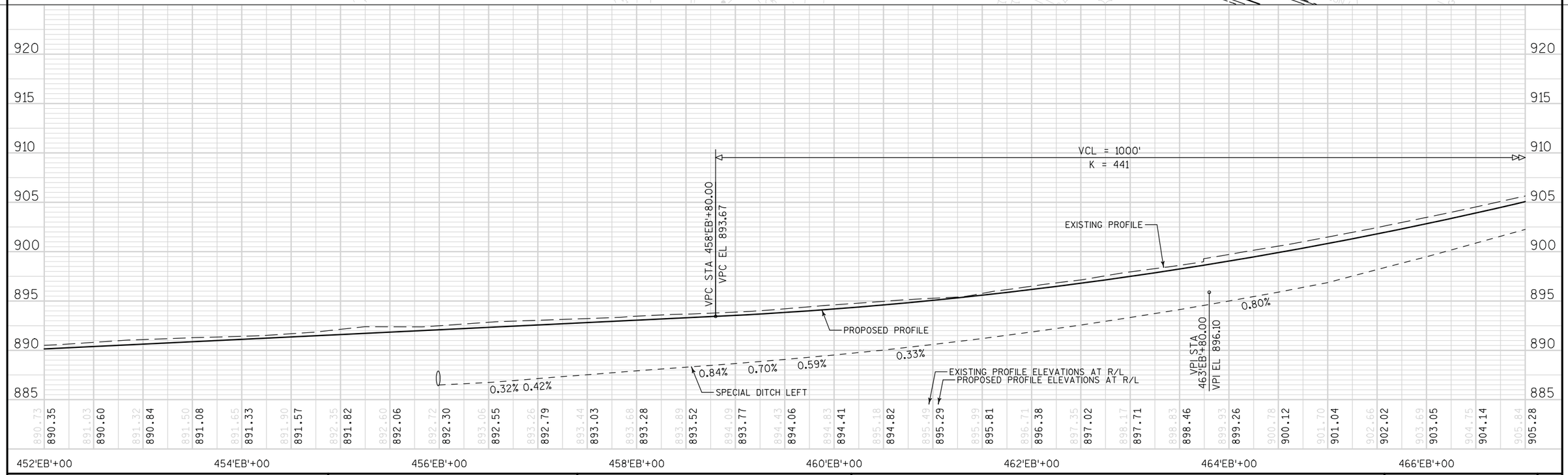


BENCH MARKS

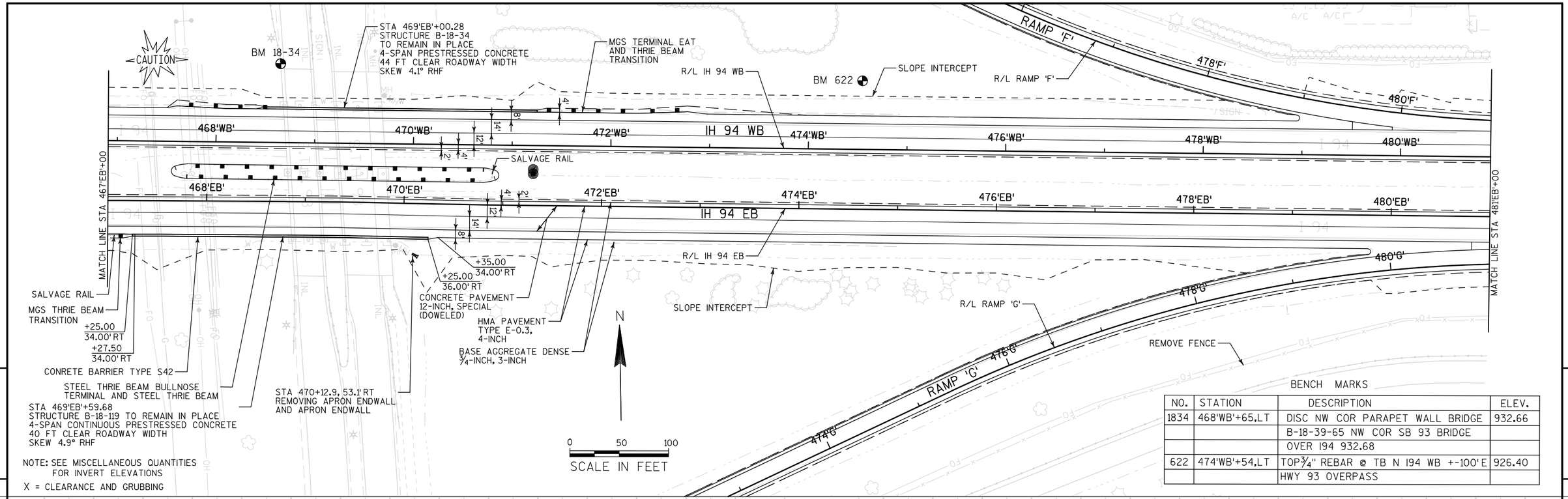
NO.	STATION	DESCRIPTION	ELEV.
611	458'EB'+77,RT	TOP ¾" REBAR I94 EB & RAMP EXIT	893.51
		TO HWY 93 +-60'E OF EXIT 68 SIGN	

NOTE: SEE MISCELLANEOUS QUANTITIES FOR INVERT ELEVATIONS

X = CLEARING AND GRUBBING



PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	PLAN AND PROFILES - IH 94 EB	SHEET 439	E

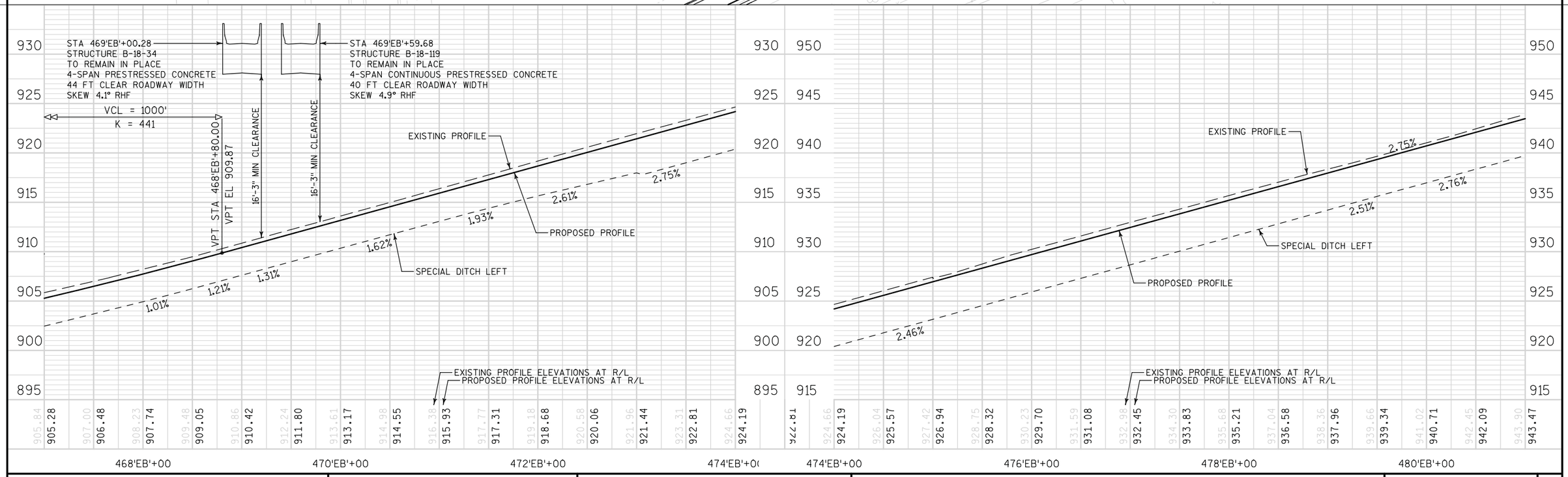


NOTE: SEE MISCELLANEOUS QUANTITIES FOR INVERT ELEVATIONS

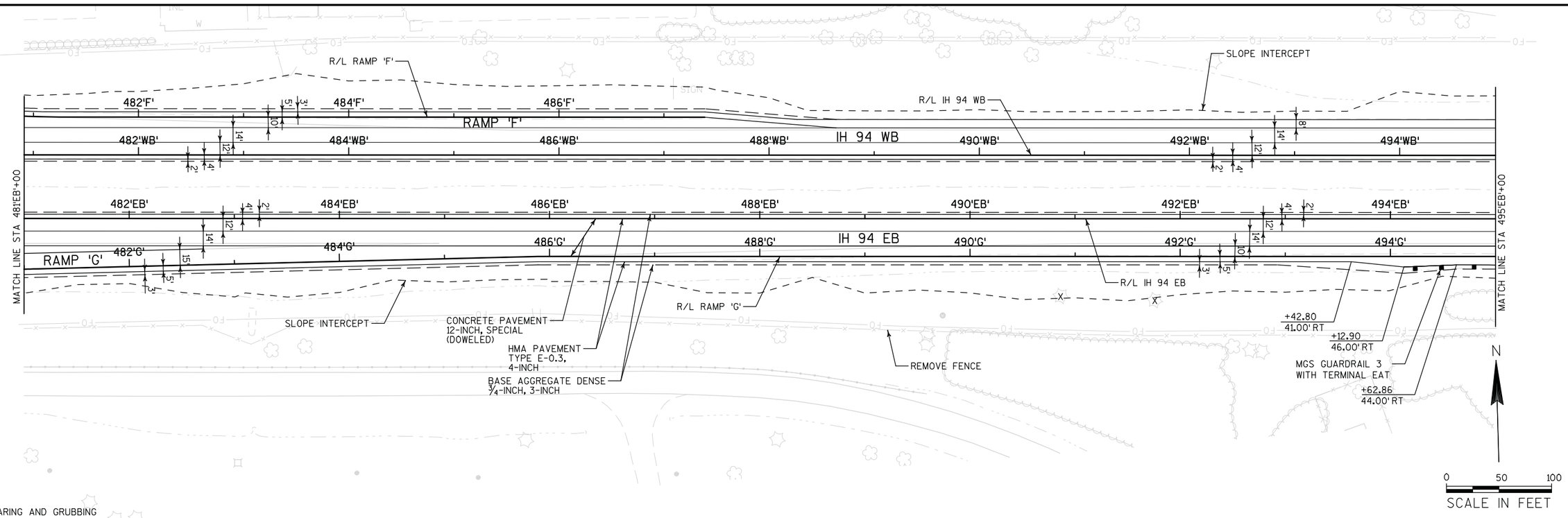
X = CLEARANCE AND GRUBBING

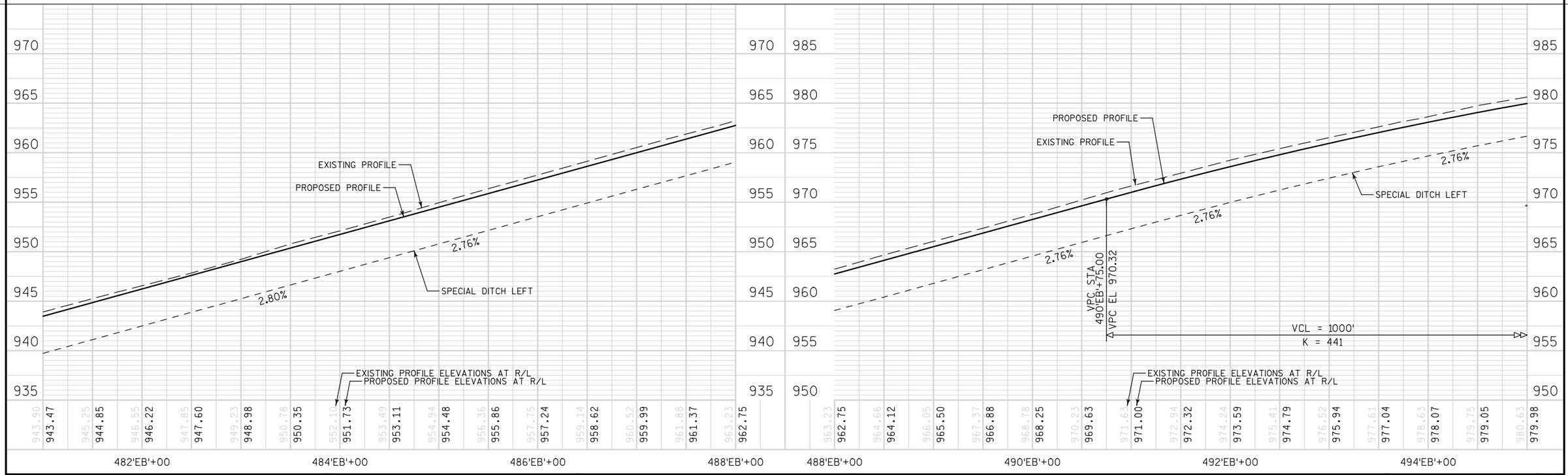
BENCH MARKS

NO.	STATION	DESCRIPTION	ELEV.
1834	468'WB'+65,LT	DISC NW COR PARAPET WALL BRIDGE	932.66
		B-18-39-65 NW COR SB 93 BRIDGE	
		OVER I94 932.68	
622	474'WB'+54,LT	TOP ¾" REBAR @ TB N I94 WB +-100'E	926.40
		HWY 93 OVERPASS	

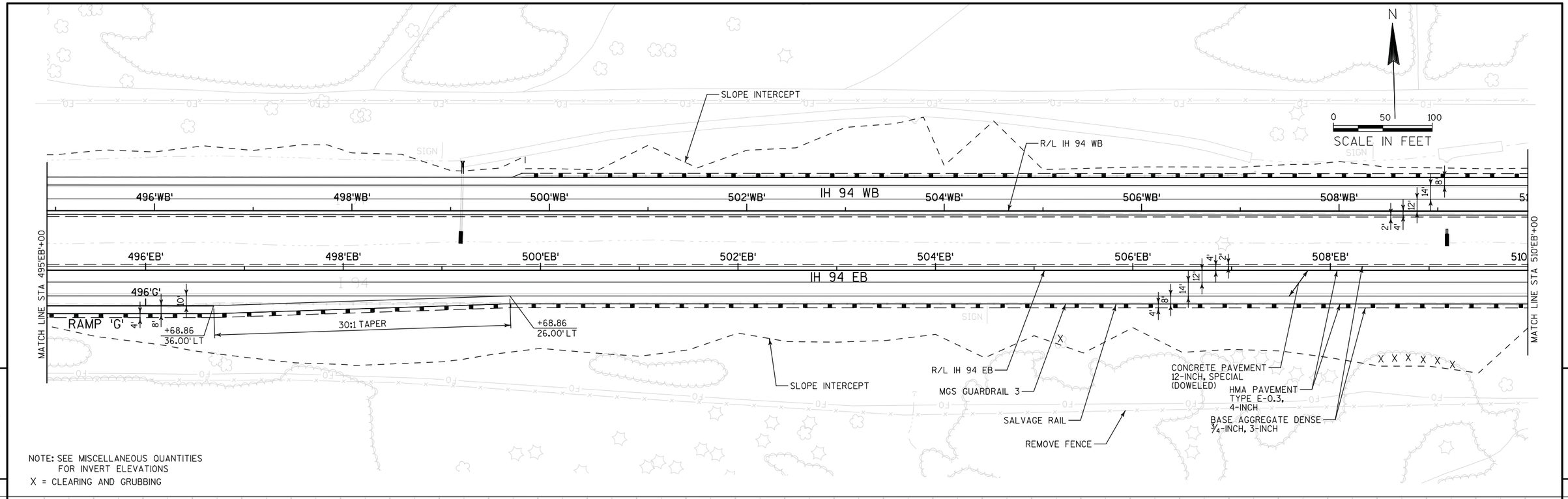


PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	PLAN AND PROFILES - IH 94 EB	SHEET 440	E

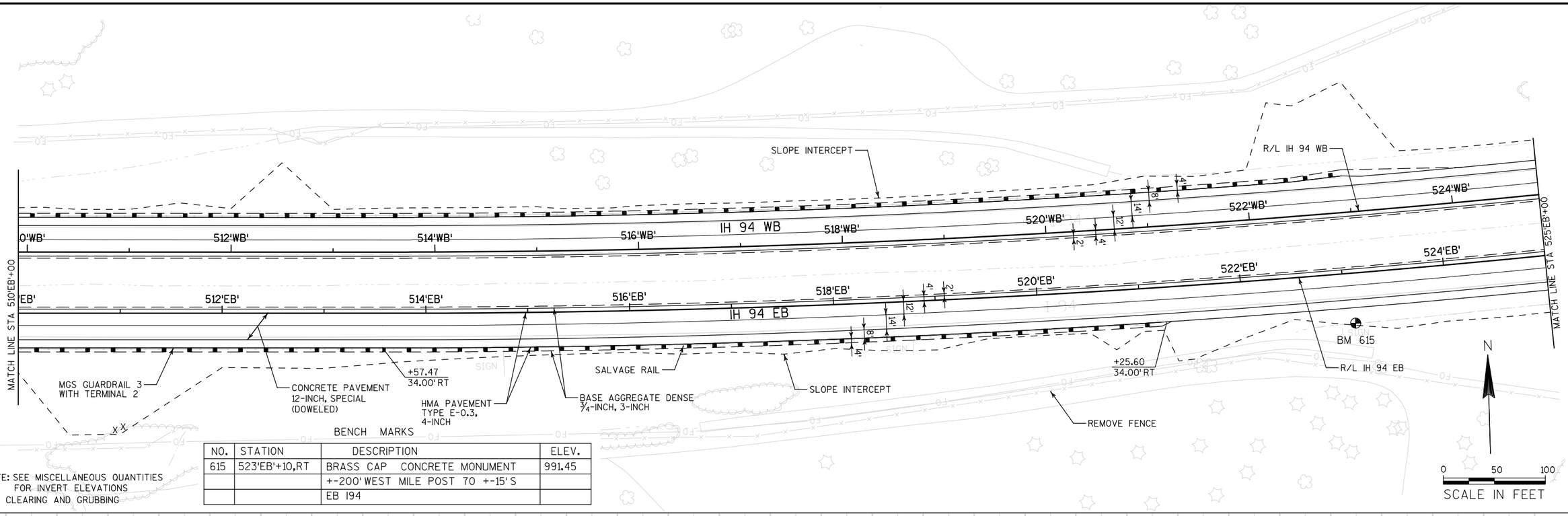




PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	PLAN AND PROFILES - IH 94 EB	SHEET 441	E



PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	PLAN AND PROFILES - IH 94 EB	SHEET 442 E

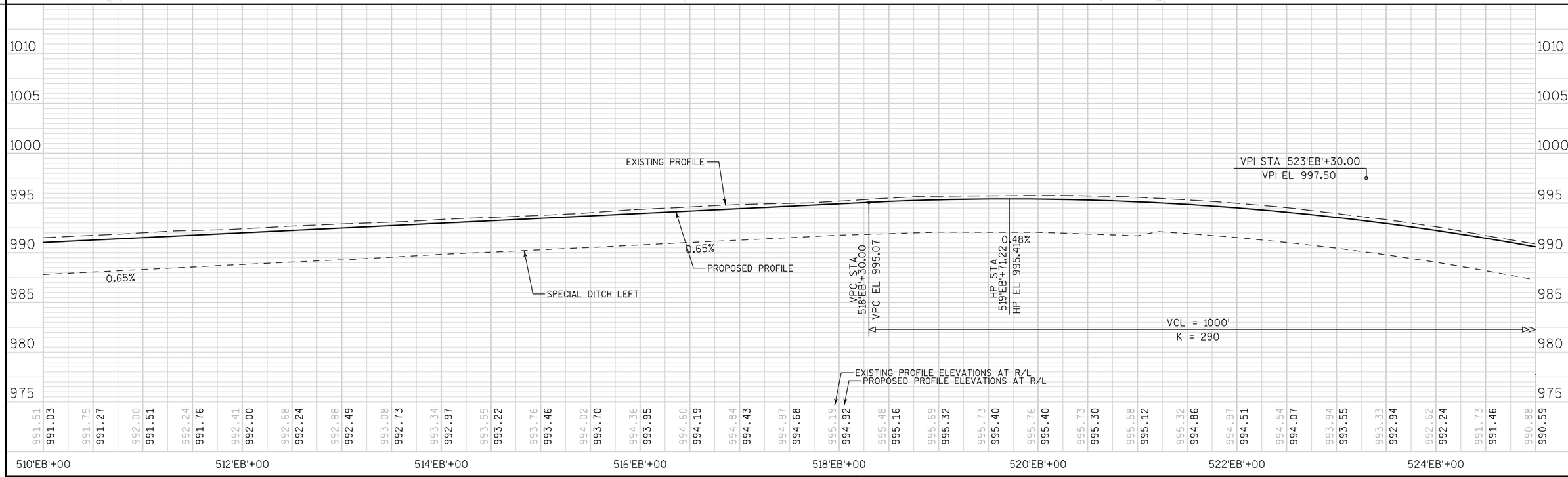


BENCH MARKS

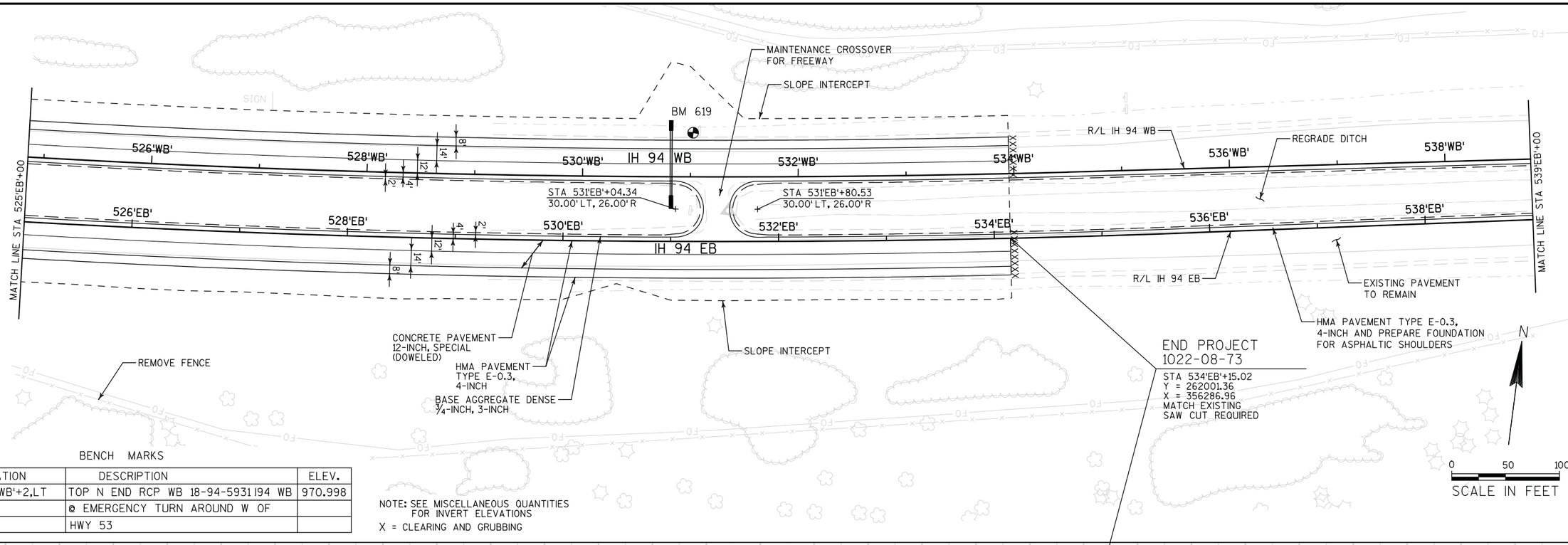
NO.	STATION	DESCRIPTION	ELEV.
615	523'EB'+10,RT	BRASS CAP CONCRETE MONUMENT	991.45
		+-200' WEST MILE POST 70 +-15' S	
		EB 194	

NOTE: SEE MISCELLANEOUS QUANTITIES FOR INVERT ELEVATIONS

X = CLEARING AND GRUBBING



PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	PLAN AND PROFILES - IH 94 EB	SHEET 443	E

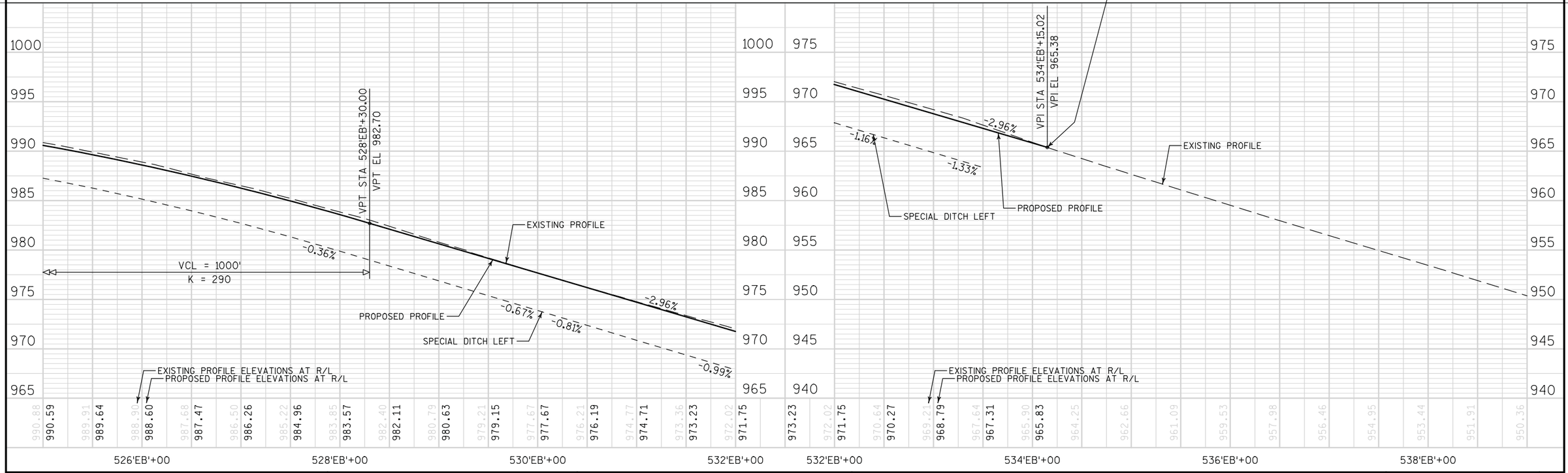


BENCH MARKS

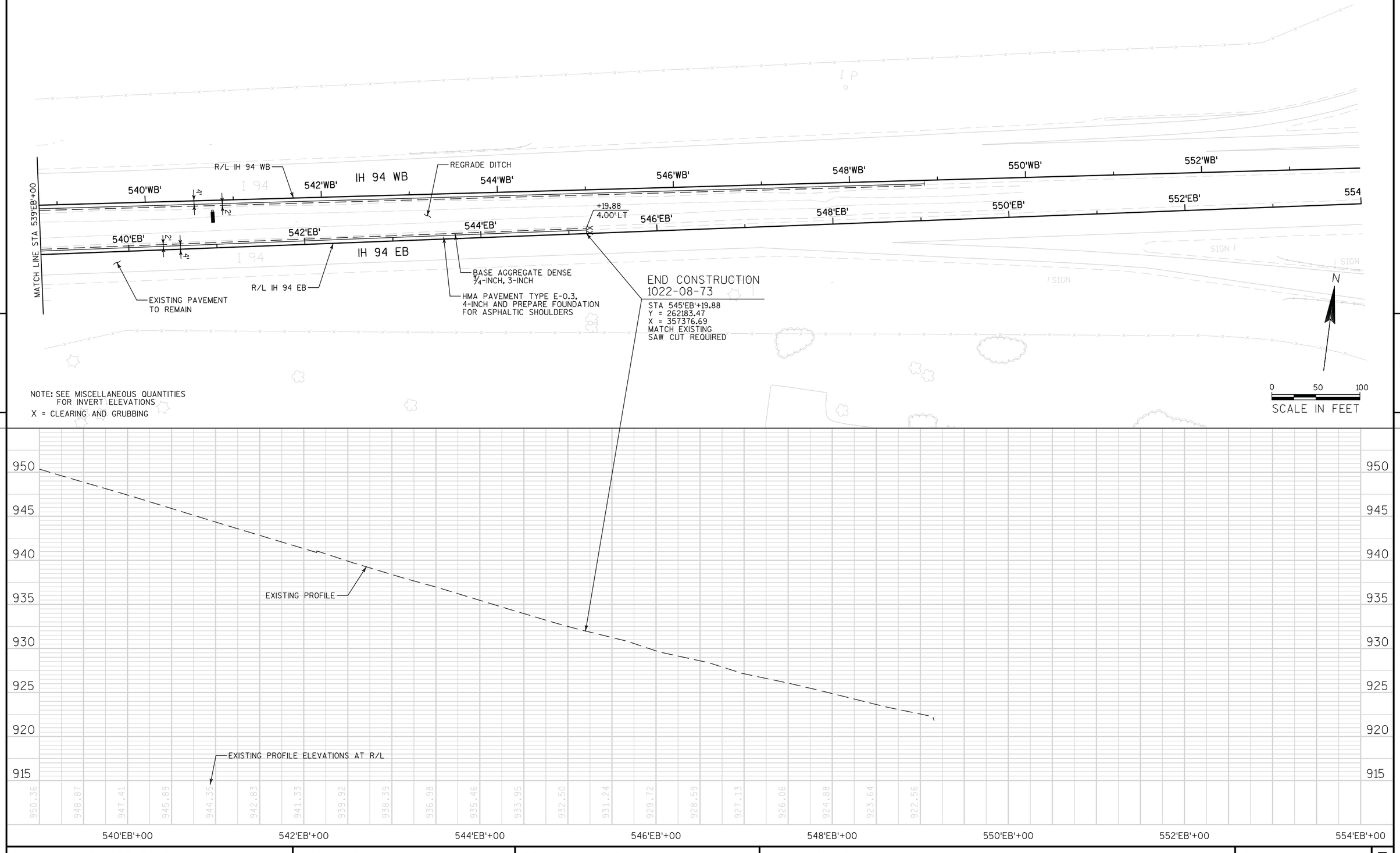
NO.	STATION	DESCRIPTION	ELEV.
619	531'WB'+2,LT	TOP N END RCP WB 18-94-5931194 WB	970.998
		@ EMERGENCY TURN AROUND W OF	
		HWY 53	

NOTE: SEE MISCELLANEOUS QUANTITIES FOR INVERT ELEVATIONS

X = CLEARING AND GRUBBING



PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	PLAN AND PROFILES - IH 94 EB	SHEET 444	E



5

5

NOTE: SEE MISCELLANEOUS QUANTITIES FOR INVERT ELEVATIONS
X = CLEARING AND GRUBBING

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	PLAN AND PROFILES - IH 94 EB	SHEET 445	E

BENCH MARKS

NO.	STATION	DESCRIPTION	ELEV.
1823	247'EB'+09,RT	SW PARAPET B-18-23 I94 EB	794.87
		BRIDGE OVER CHIPPEWA RIVER	
1824	256'WB'+94,LT	NW PARAPET B-18-24 I94 WB	804.54
		BRIDGE OVER CHIPPEWA RIVER	

*CROSS SLOPE TRANSITIONS

LOCATION	BT	SLOPE	ET	SLOPE
LT SHOULDER	257'WB'+25	1.50%	258'WB'+25	4.50%
LT LANE	257'WB'+25	1.50%	257'WB'+50	2.00%
RT LANE	257'WB'+25	1.50%	258'WB'+25	-2.00%
RT SHOULDER	257'WB'+25	1.50%	258'WB'+75	-4.00%

N

0 50 100
SCALE IN FEET

REMOVE FENCE

BASE AGGREGATE DENSE 3/4-INCH, 3-INCH
HMA PAVEMENT TYPE E-0.3, 4-INCH
CONCRETE PAVEMENT 12-INCH, SPECIAL (DOWELED)
MGS GUARDRAIL 3 WITH TERMINAL EAT AND THRIE BEAM TRANSITION
SALVAGE RAIL
30:1 TAPER
SLOPE INTERCEPT
+72.68 35.79'LT
+0.75 36.86'LT
+51.00 38.00'LT
+96.00 28.00'LT
+35.40 28.00'LT
+19.24 26.00'LT
+72.90 6.00'RT
+92.90 4.00'RT
MATCH LINE STA 260'WB+00
EXISTING CONCRETE PAVEMENT APPROACH SLAB TO REMAIN (FIELD VERIFY)
STEEL THRIE BEAM BULLNOSE TERMINAL AND STRUCTURE APPROACH

STA 247'WB'+77.23 TO
STA 256'WB'+88.46
STRUCTURE B-18-24
TO REMAIN IN PLACE
7-SPAN CONTINUOUS STEEL
32 FT CLEAR ROADWAY WIDTH
SKEW 0.3° RHF

R/L IH 94 WB

246'WB' 248'WB' 250'WB' 252'WB' IH 94 WB 254'WB' 256'WB' BM 1824 258'WB' 260

246'EB' 248'EB' 250'EB' 252'EB' IH 94 EB 254'EB' 256'EB' 258'EB'

BM 1823

NOTE: SEE MISCELLANEOUS QUANTITIES FOR INVERT ELEVATIONS
X = CLEARING AND GRUBBING

STRUCTURE B-18-23 (TO REMAIN)

R/L IH 94 EB

BEGIN CONSTRUCTION
1022-08-73
STA 257'WB'+04.12
Y = 267276.57
X = 329888.29
MATCH EXISTING
SAW CUT REQUIRED

VCL = 750'
K = 591
VPI STA 257'WB'+04.12
VPI EL 802.45
VPC STA 257'WB'+25.00
VPC EL 802.62
0.85%
EXISTING PROFILE
PROPOSED PROFILE
MATCH EXISTING

EXISTING PROFILE ELEVATIONS AT R/L
PROPOSED PROFILE ELEVATIONS AT R/L

| | | |

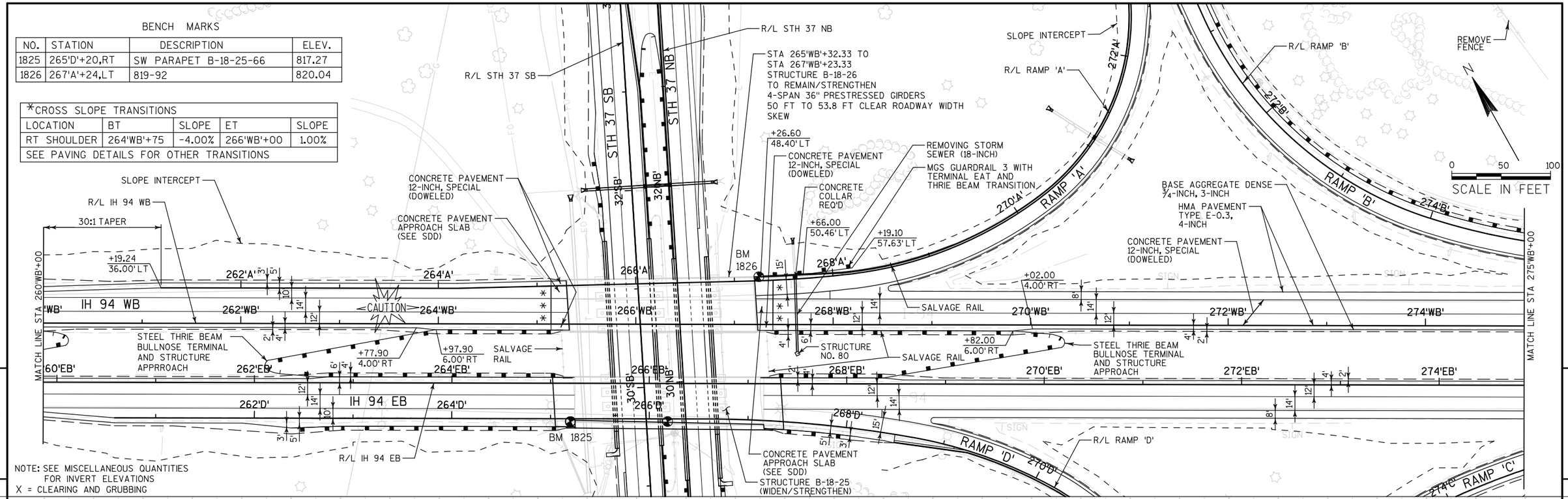
BENCH MARKS

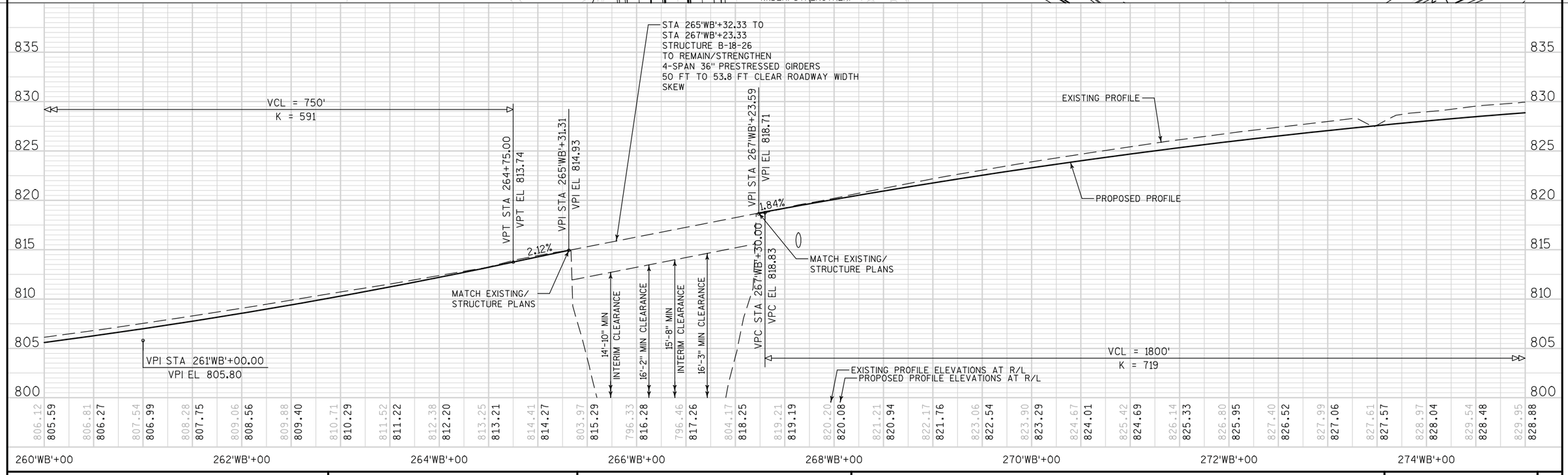
NO.	STATION	DESCRIPTION	ELEV.
1825	265'D'+20,RT	SW PARAPET B-18-25-66	817.27
1826	267'A'+24,LT	819-92	820.04

*CROSS SLOPE TRANSITIONS				
LOCATION	BT	SLOPE	ET	SLOPE
RT SHOULDER	264'WB'+75	-4.00%	266'WB'+00	1.00%
SEE PAVING DETAILS FOR OTHER TRANSITIONS				

NOTE: SEE MISCELLANEOUS QUANTITIES FOR INVERT ELEVATIONS
X = CLEARING AND GRUBBING

5





PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	PLAN AND PROFILES - IH 94 WB	SHEET 447	E

BENCH MARKS

NO.	STATION	DESCRIPTION	ELEV.
633	282'B'+48,LT	TOP SW BOLT S LEG EXIT 65 HWY 37	830.20
		EAUCLAIRE-MONDOVI SIGN BOARD 194 WB	
602	282'C'+98,RT	¾" REBAR 194 EB @ BEAM GAURD	833.416
		END +-500' RAMP 37/85	

REMOVE FENCE

REMOVING STORM SEWER (24-INCH)

STA 285'WB'+35.9, 63.2' LT
REMOVING APRON ENDWALL AND SALVAGED APRON ENDWALL

STA 285'WB'+35.9, 63.2' LT
CONCRETE COLLAR

SLOPE INTERCEPT

BASE AGGREGATE DENSE ¾-INCH, 3-INCH

HMA PAVEMENT TYPE E-0.3, 4-INCH

MGS GUARDRAIL 3

R/L IH 94 WB

CONCRETE PAVEMENT 12-INCH, SPECIAL (DOWELED)

BM 633

+02.14
36.00' LT

12.5:1 TAPER

+27.14
26.00' LT

R/L RAMP 'B'

RAMP 'B'

MATCH LINE STA 275'WB'+00

MATCH LINE STA 290'WB'+00

276'B' 278'B' 280'B' 282'B' 284'B' 286'B'

276'WB' 278'WB' 280'WB' 282'WB' 284'WB' 286'WB' IH 94 WB 288'WB' 290

276'EB' 278'EB' 280'EB' 282'EB' 284'EB' 286'EB' 288'EB'

276'C' 278'C' 280'C' 282'C' 284'C' 286'C' IH 94 EB

RAMP 'C'

R/L RAMP 'C'

SLOPE INTERCEPT

BM 602

R/L IH 94 EB

X = CLEARING AND GRUBBING

NOTE: SEE MISCELLANEOUS QUANTITIES FOR INVERT ELEVATIONS

0 50 100
SCALE IN FEET

N

VPI STA 276'WB'+30.00
VPI EL 835.40

EXISTING PROFILE

PROPOSED PROFILE

HP STA 280'WB'+53.20
HP EL 831.01

VPT STA 285'WB'+30.00
VPT EL 829.43

-0.66%

VCL = 1800'
K = 719

EXISTING PROFILE ELEVATIONS AT R/L
PROPOSED PROFILE ELEVATIONS AT R/L

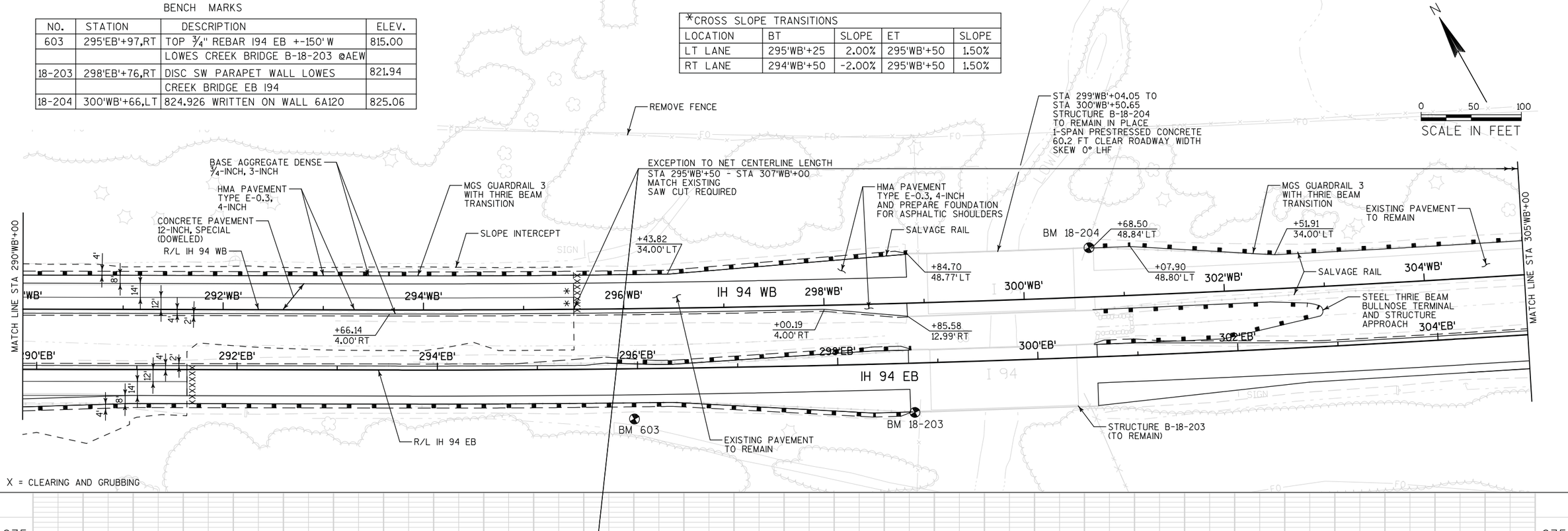
| | | |

BENCH MARKS

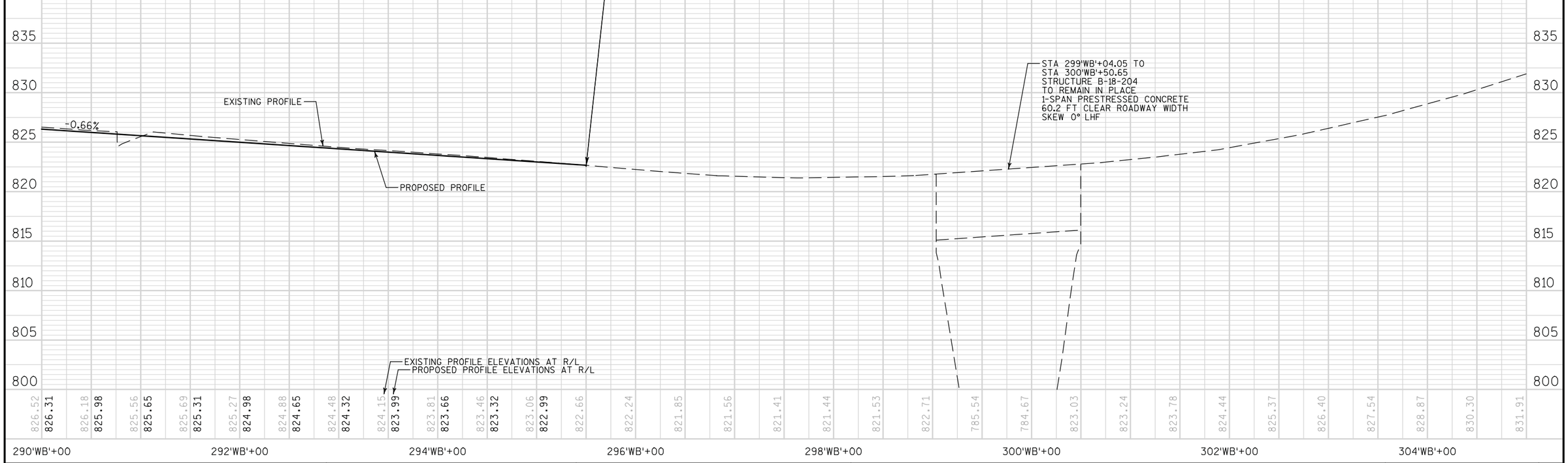
NO.	STATION	DESCRIPTION	ELEV.
603	295'EB'+97,RT	TOP 3/4" REBAR I94 EB +-150' W	815.00
		LOWES CREEK BRIDGE B-18-203 @AEW	
18-203	298'EB'+76,RT	DISC SW PARAPET WALL LOWES	821.94
		CREEK BRIDGE EB I94	
18-204	300'WB'+66,LT	824.926 WRITTEN ON WALL 6A120	825.06

*CROSS SLOPE TRANSITIONS

LOCATION	BT	SLOPE	ET	SLOPE
LT LANE	295'WB'+25	2.00%	295'WB'+50	1.50%
RT LANE	294'WB'+50	-2.00%	295'WB'+50	1.50%



X = CLEARING AND GRUBBING

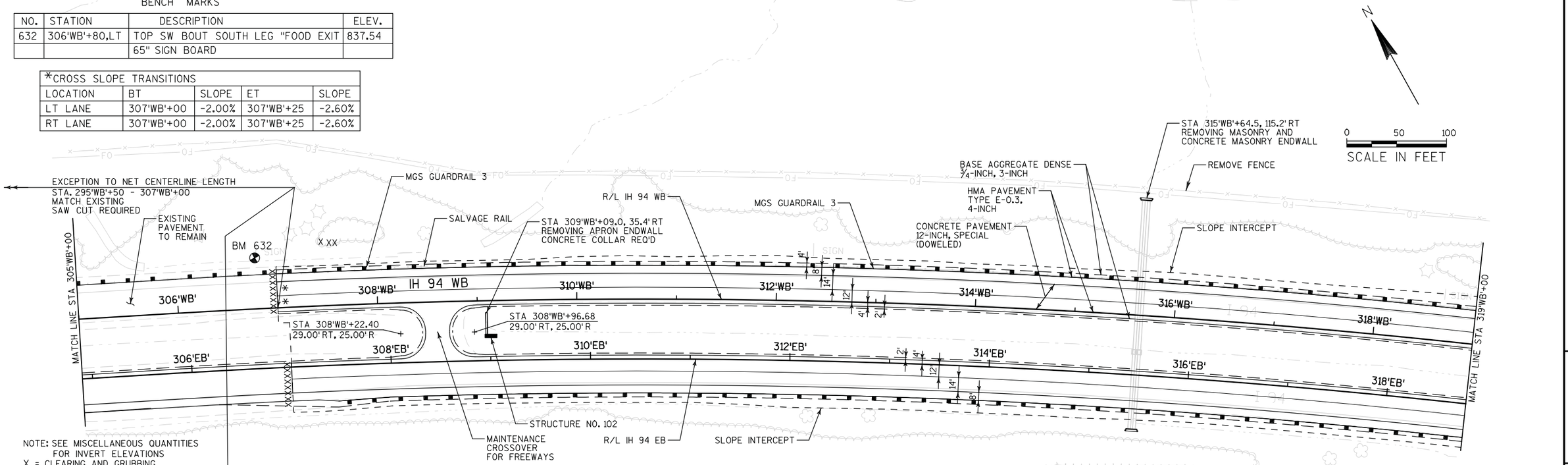


PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	PLAN AND PROFILES - IH 94 WB	SHEET 449	E

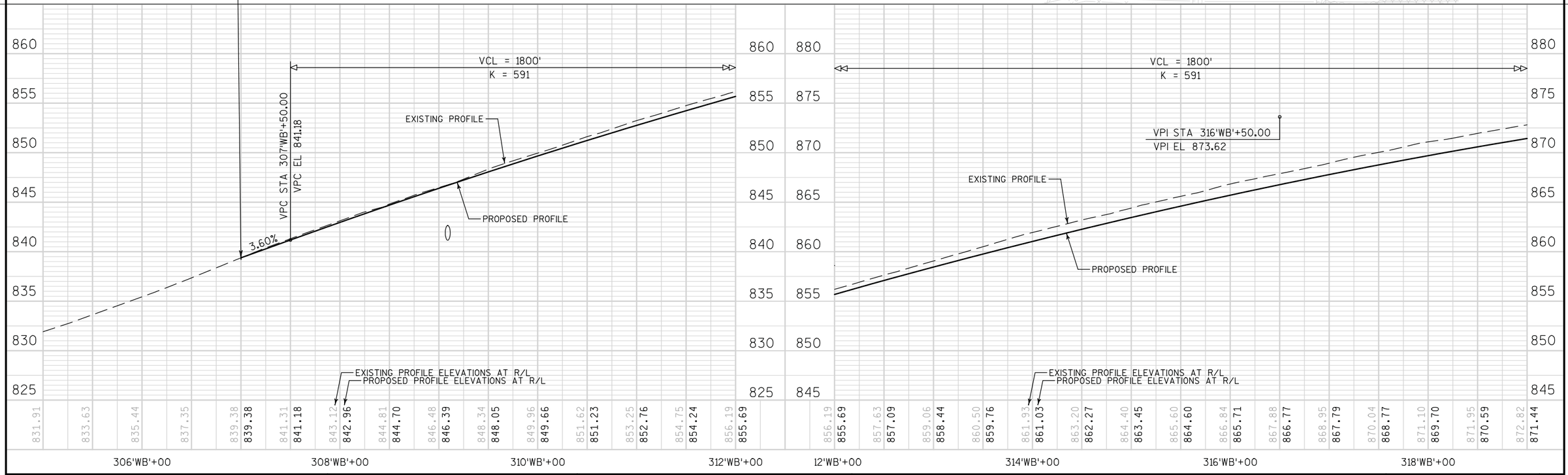
BENCH MARKS

NO.	STATION	DESCRIPTION	ELEV.
632	306'WB'+80,LT	TOP SW BOUT SOUTH LEG "FOOD EXIT	837.54
		65" SIGN BOARD	

*CROSS SLOPE TRANSITIONS				
LOCATION	BT	SLOPE	ET	SLOPE
LT LANE	307'WB'+00	-2.00%	307'WB'+25	-2.60%
RT LANE	307'WB'+00	-2.00%	307'WB'+25	-2.60%



NOTE: SEE MISCELLANEOUS QUANTITIES FOR INVERT ELEVATIONS
X = CLEARING AND GRUBBING

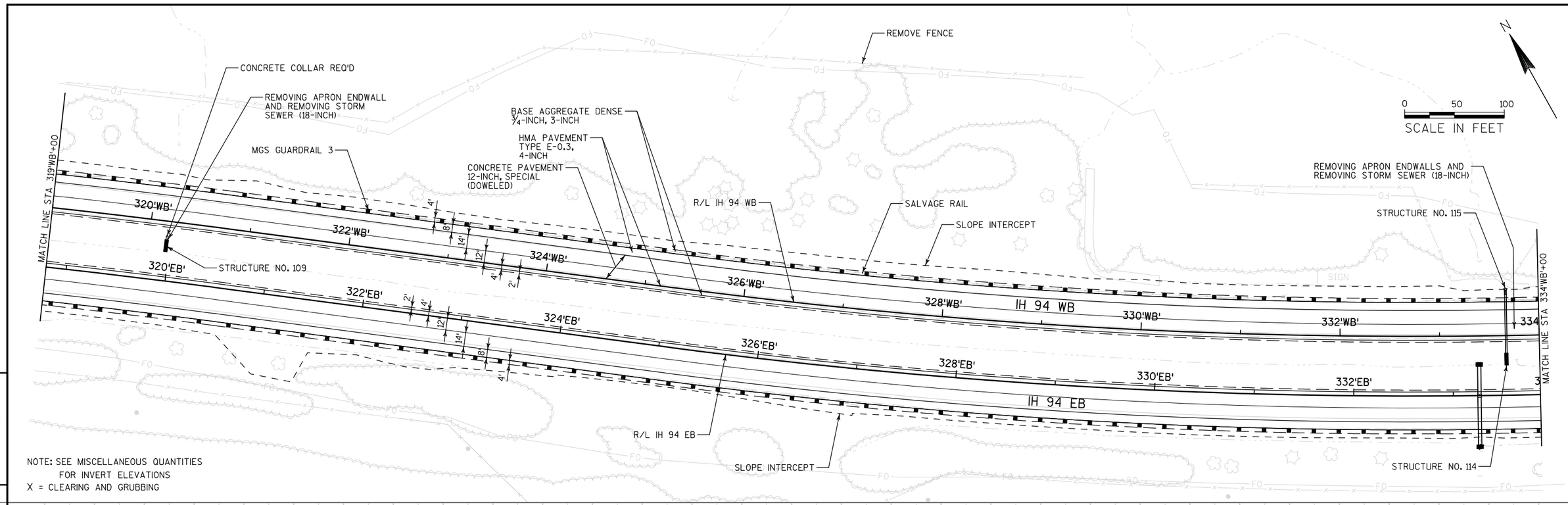


306'WB'+00	308'WB'+00	310'WB'+00	312'WB'+00	12'WB'+00	314'WB'+00	316'WB'+00	318'WB'+00
831.91	839.38	843.12	846.48	848.34	851.62	853.25	854.75	856.19
833.63	841.18	842.96	844.81	846.39	848.05	849.96	851.23	852.76	854.24	855.69
835.44	841.31	844.70	846.48	848.34	849.96	851.62	853.25	854.75	856.19	857.63
837.35	839.38	842.96	844.81	846.39	848.05	849.66	851.23	852.76	854.24	855.69	857.09	859.06	860.50	861.93	863.20	864.40	865.60	866.84	867.88	868.95	870.04	871.10	871.95	872.82
	841.18	842.96	844.70	846.39	848.05	849.66	851.23	852.76	854.24	855.69	857.09	858.44	859.76	861.03	862.27	863.45	864.60	865.71	866.77	867.79	868.77	869.70	870.59	871.44

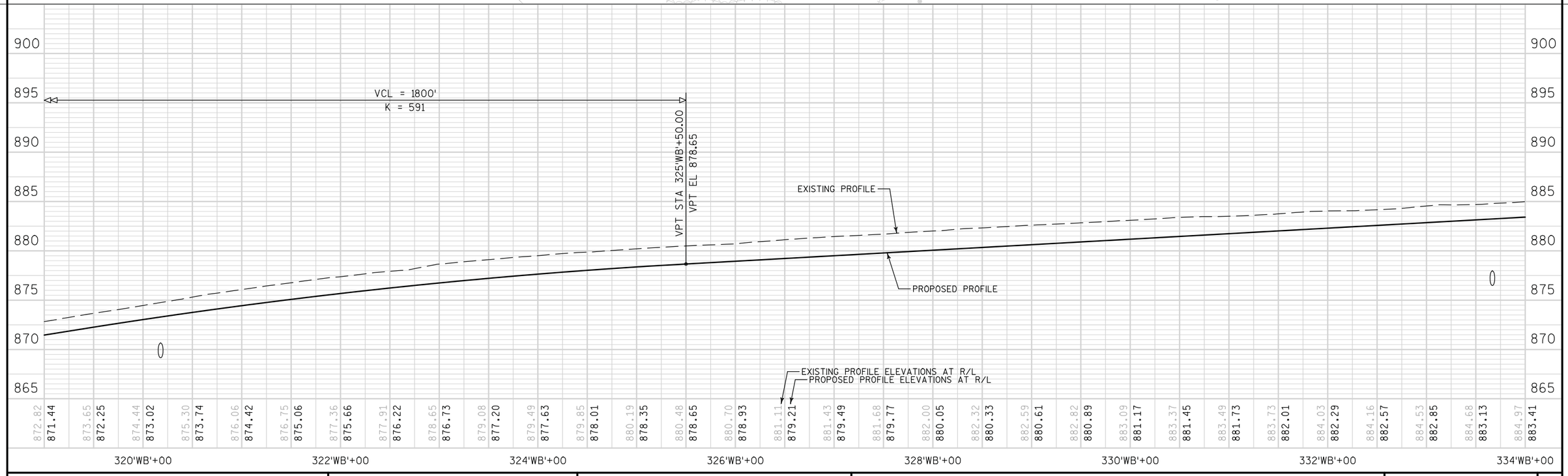
PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	PLAN AND PROFILES - IH 94 WB	SHEET 450	E

FILE NAME : CH_0803_050127_pp.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT NAME : PLOT SCALE : 100:1

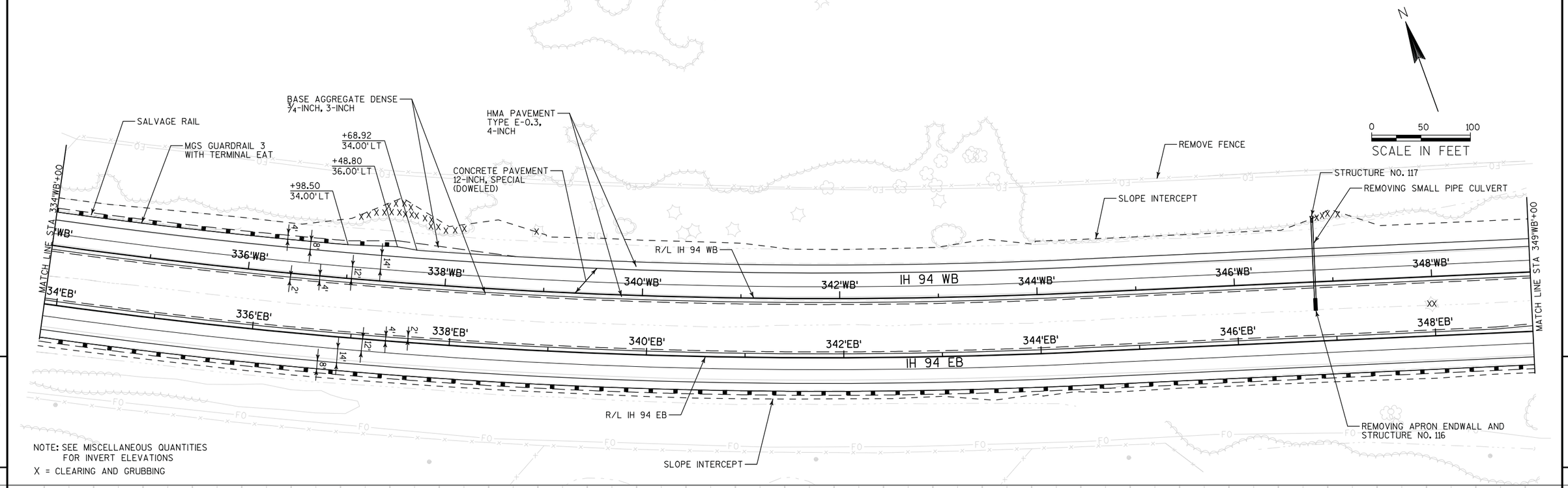
WISDOT/CADDS SHEET 40

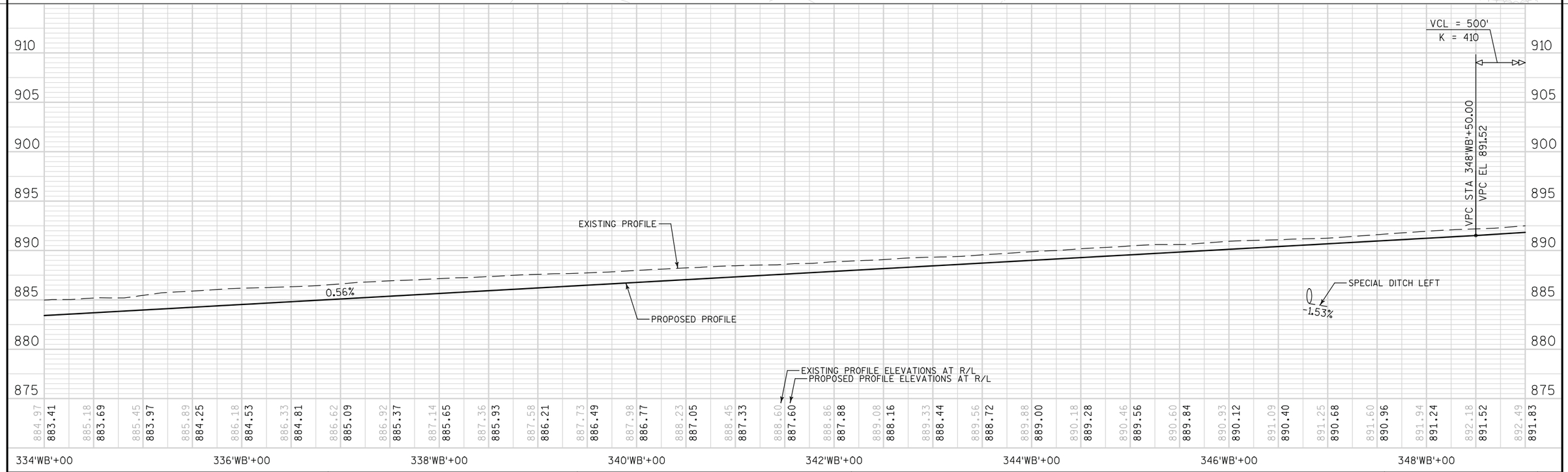


NOTE: SEE MISCELLANEOUS QUANTITIES FOR INVERT ELEVATIONS
X = CLEARING AND GRUBBING



PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	PLAN AND PROFILES - IH 94 WB	SHEET 451	E





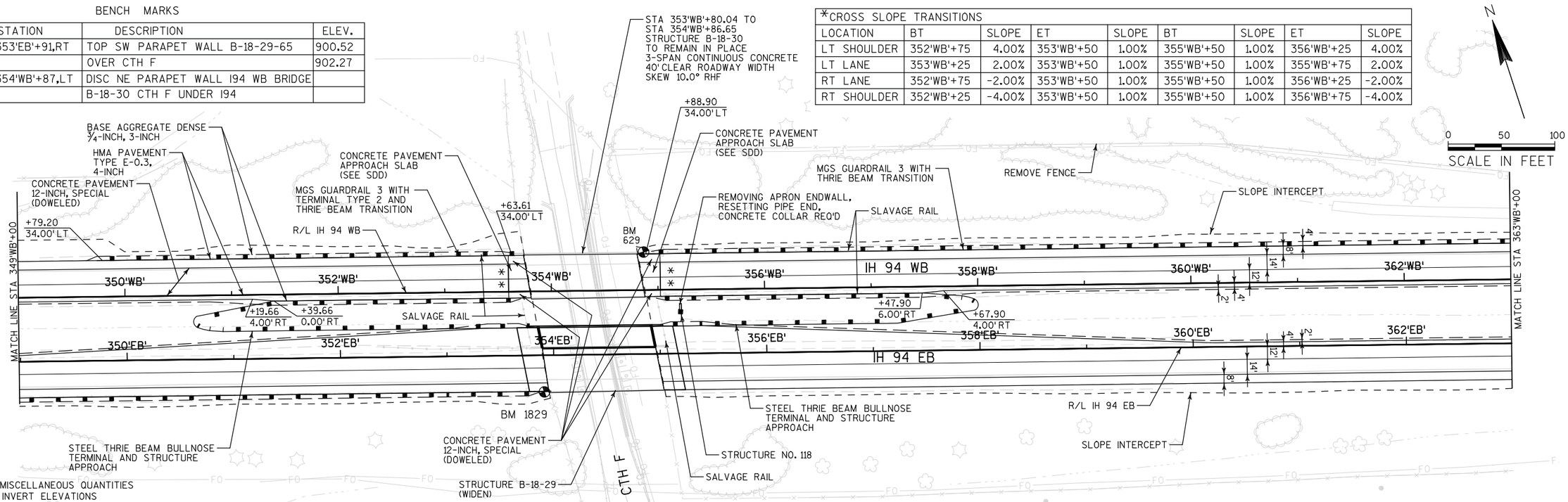
PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	PLAN AND PROFILES - IH 94 WB	SHEET 452	E

BENCH MARKS

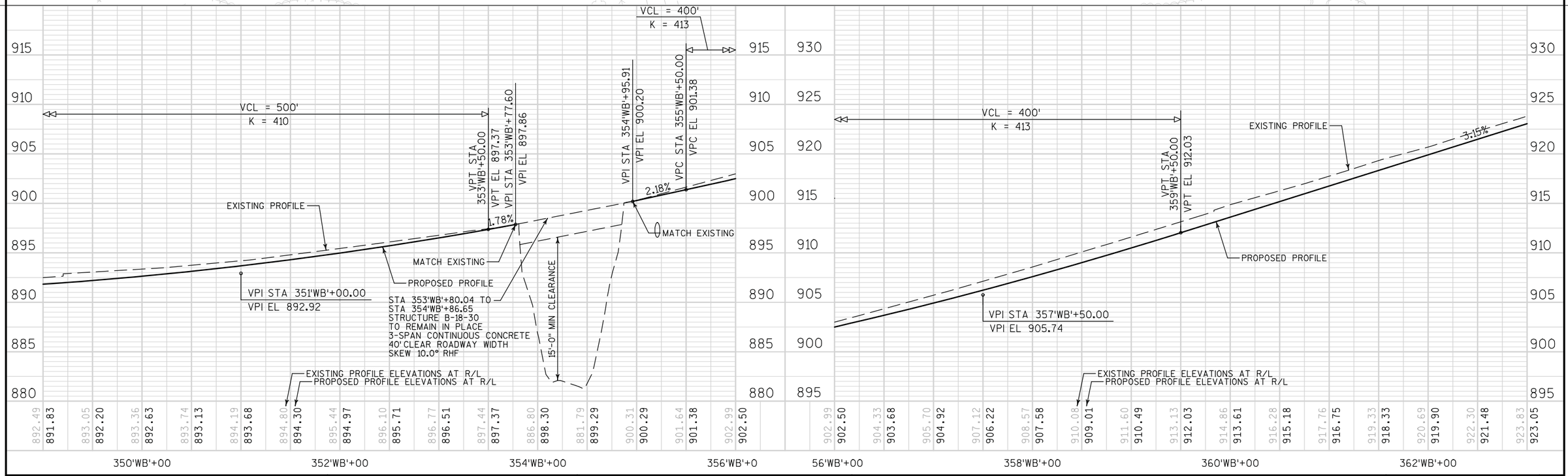
NO.	STATION	DESCRIPTION	ELEV.
1829	353'EB'+91,RT	TOP SW PARAPET WALL B-18-29-65	900.52
		OVER CTH F	902.27
629	354'WB'+87,LT	DISC NE PARAPET WALL I94 WB BRIDGE	
		B-18-30 CTH F UNDER I94	

*CROSS SLOPE TRANSITIONS

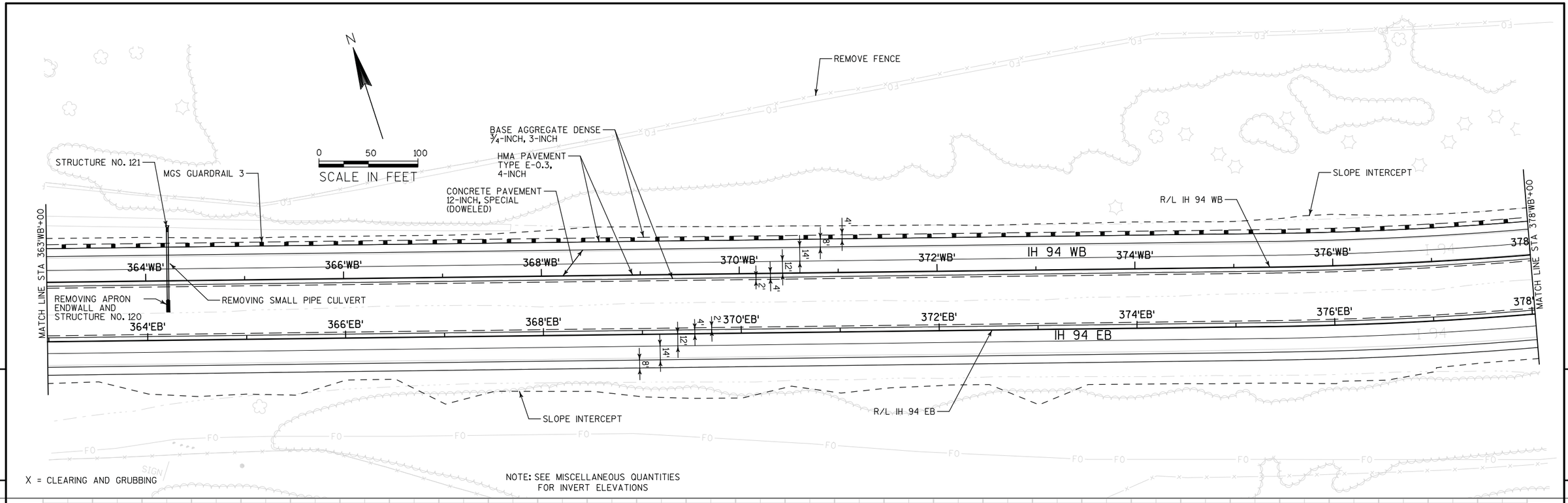
LOCATION	BT	SLOPE	ET	SLOPE	BT	SLOPE	ET	SLOPE
LT SHOULDER	352'WB'+75	4.00%	353'WB'+50	1.00%	355'WB'+50	1.00%	356'WB'+25	4.00%
LT LANE	353'WB'+25	2.00%	353'WB'+50	1.00%	355'WB'+50	1.00%	355'WB'+75	2.00%
RT LANE	352'WB'+75	-2.00%	353'WB'+50	1.00%	355'WB'+50	1.00%	356'WB'+25	-2.00%
RT SHOULDER	352'WB'+25	-4.00%	353'WB'+50	1.00%	355'WB'+50	1.00%	356'WB'+75	-4.00%



NOTE: SEE MISCELLANEOUS QUANTITIES FOR INVERT ELEVATIONS
X = CLEARING AND GRUBBING

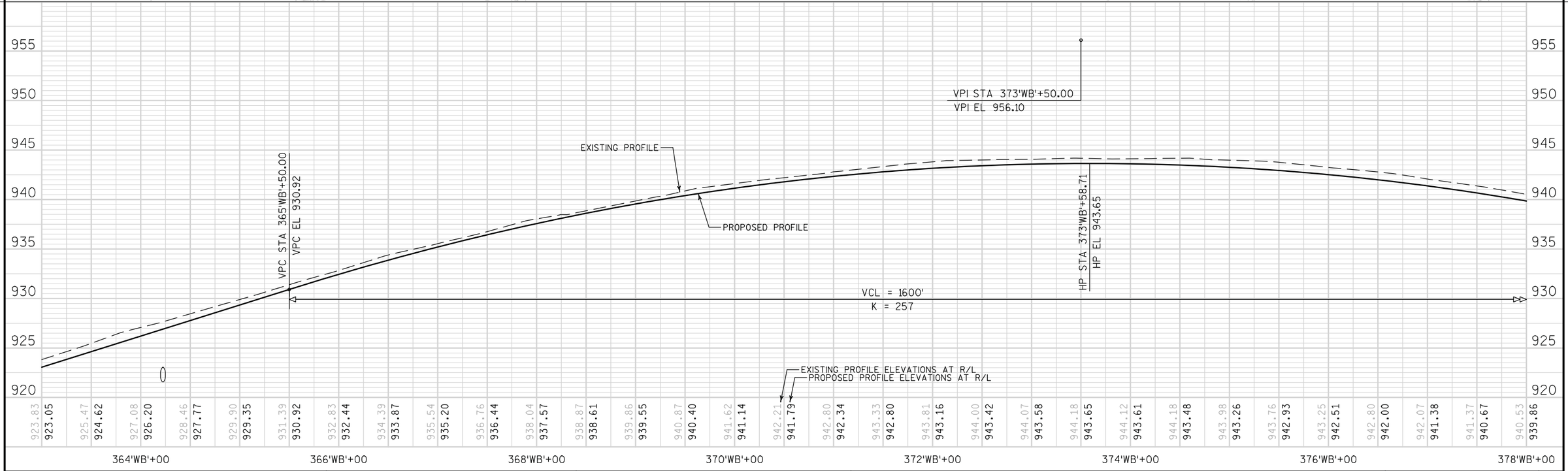


PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	PLAN AND PROFILES - IH 94 WB	SHEET 453	E

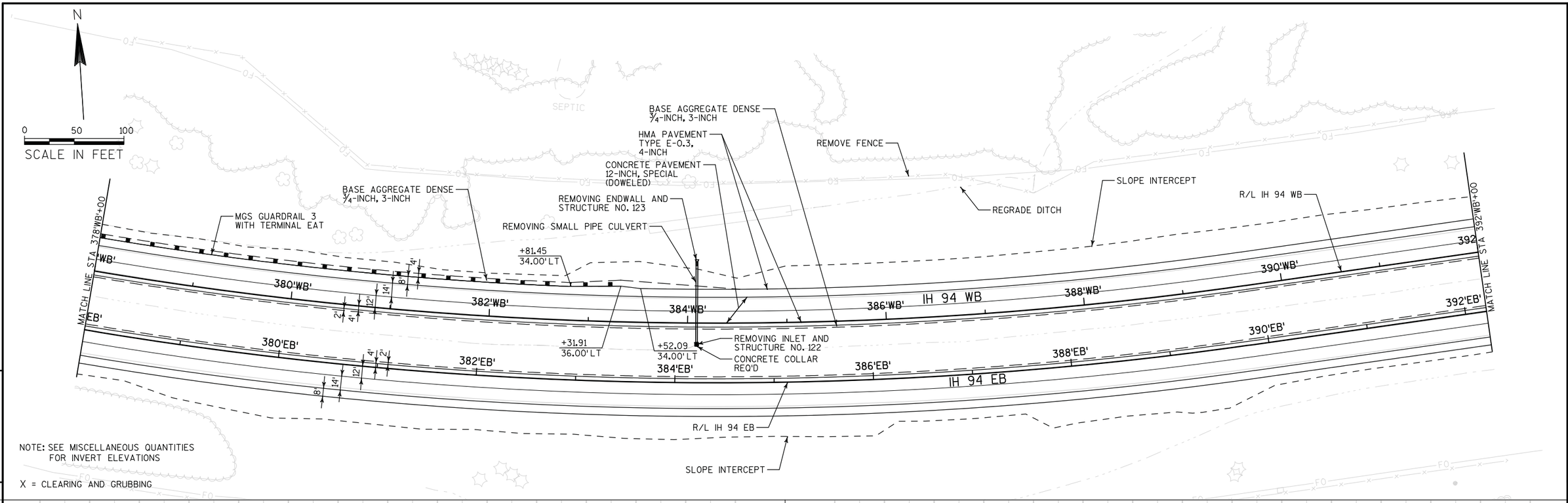


X = CLEARING AND GRUBBING

NOTE: SEE MISCELLANEOUS QUANTITIES FOR INVERT ELEVATIONS

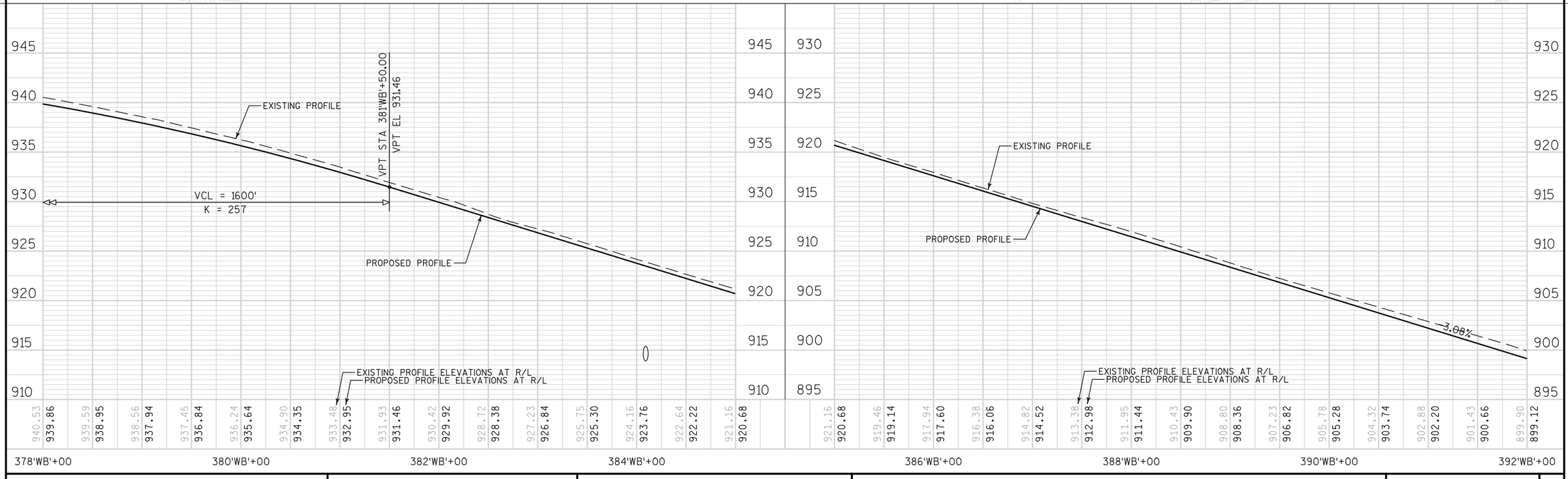


PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	PLAN AND PROFILES - IH 94 WB	SHEET 454	E



NOTE: SEE MISCELLANEOUS QUANTITIES FOR INVERT ELEVATIONS

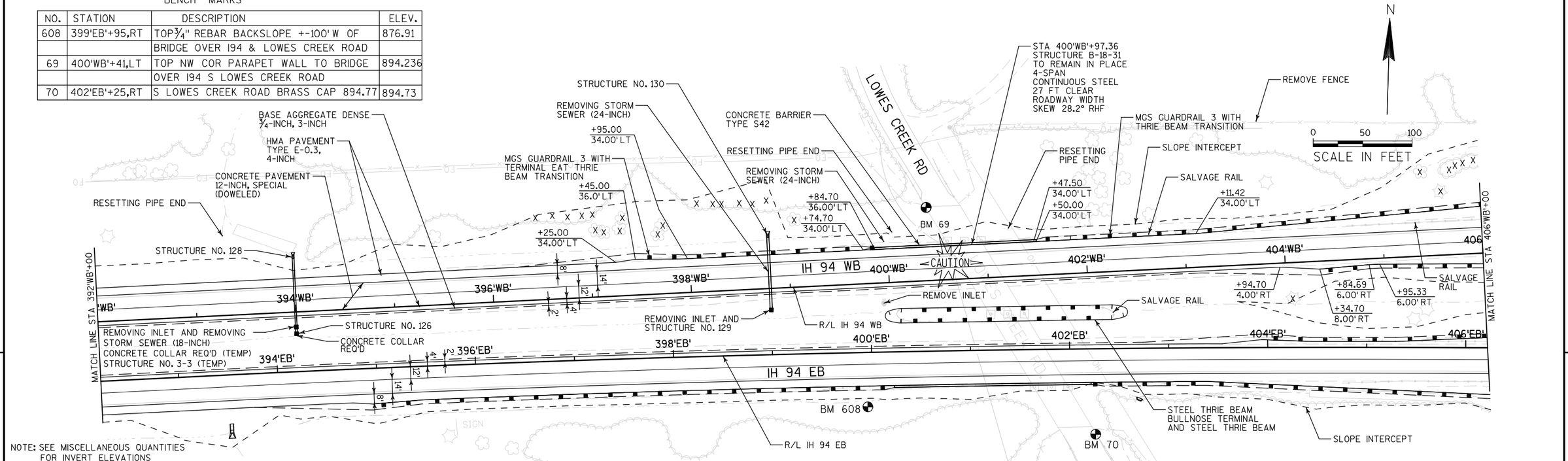
X = CLEARING AND GRUBBING



PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	PLAN AND PROFILES - IH 94 WB	SHEET 455	E

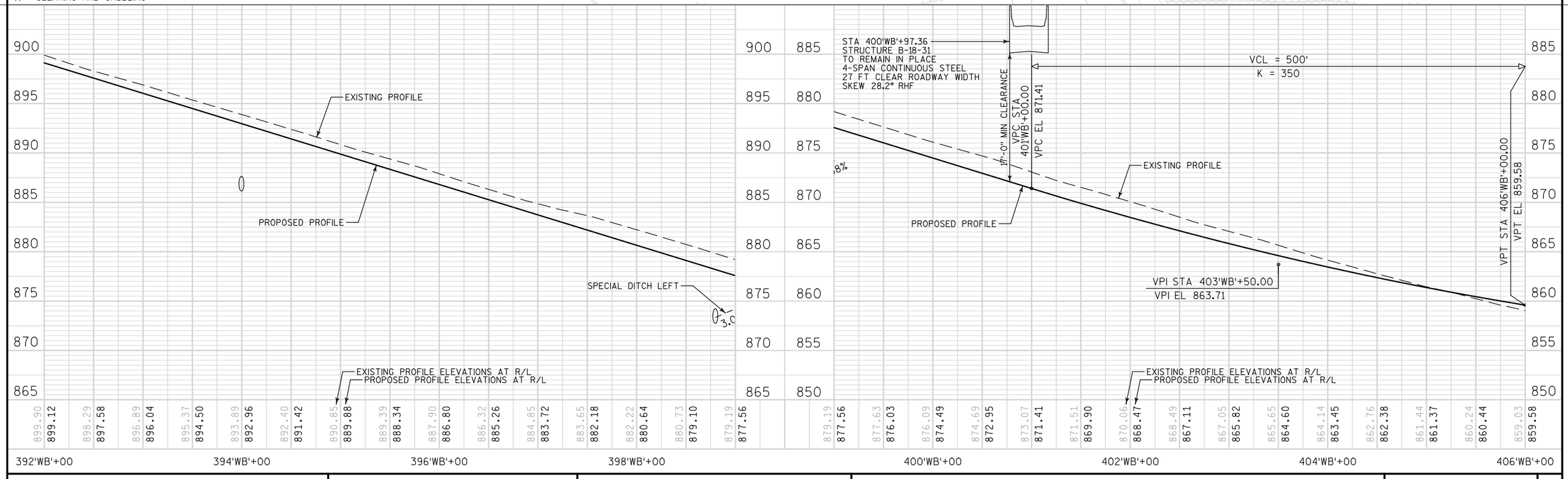
BENCH MARKS

NO.	STATION	DESCRIPTION	ELEV.
608	399'EB'+95,RT	TOP ¾" REBAR BACKSLOPE +-100' W OF	876.91
		BRIDGE OVER I94 & LOWES CREEK ROAD	
69	400'WB'+41,LT	TOP NW COR PARAPET WALL TO BRIDGE	894.236
		OVER I94 S LOWES CREEK ROAD	
70	402'EB'+25,RT	S LOWES CREEK ROAD BRASS CAP 894.77	894.73



NOTE: SEE MISCELLANEOUS QUANTITIES FOR INVERT ELEVATIONS

X = CLEARING AND GRUBBING



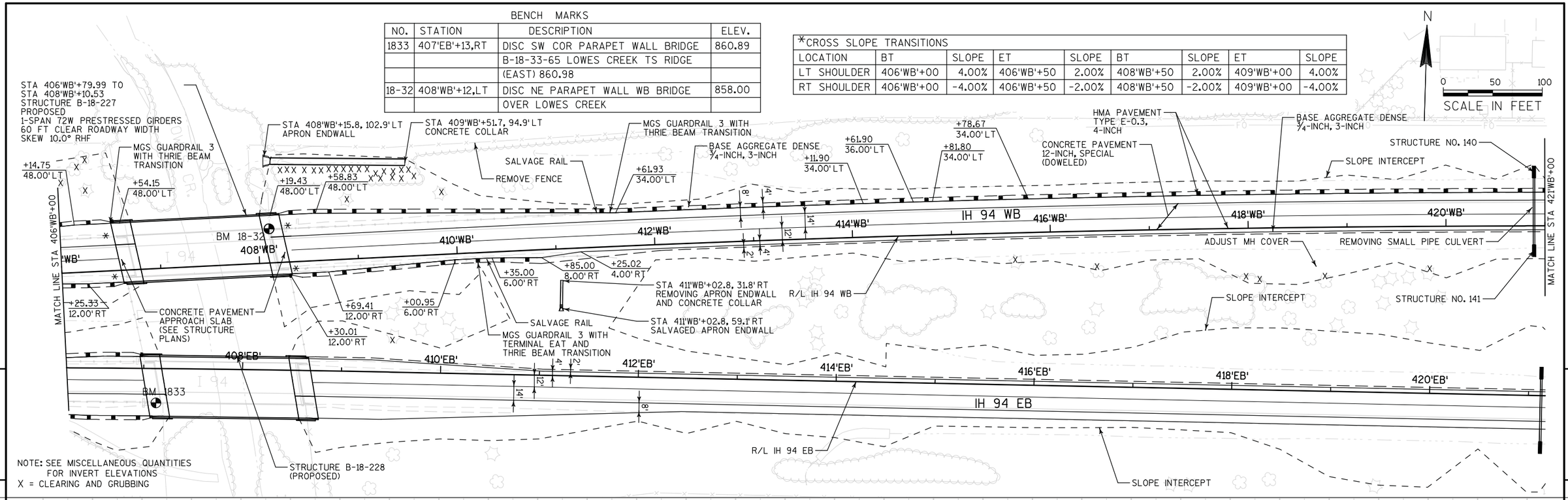
PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	PLAN AND PROFILES - IH 94 WB	SHEET 456	E

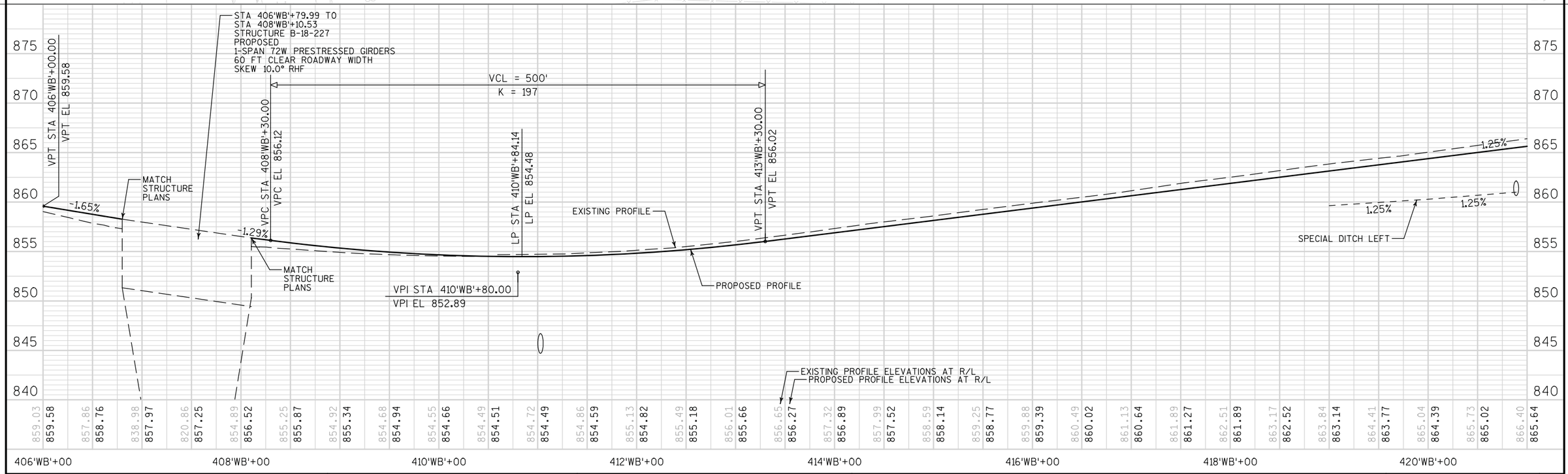
BENCH MARKS

NO.	STATION	DESCRIPTION	ELEV.
1833	407'EB'+13,RT	DISC SW COR PARAPET WALL BRIDGE	860.89
		B-18-33-65 LOWES CREEK TS RIDGE	
		(EAST) 860.98	
18-32	408'WB'+12,LT	DISC NE PARAPET WALL WB BRIDGE	858.00
		OVER LOWES CREEK	

*CROSS SLOPE TRANSITIONS

LOCATION	BT	SLOPE	ET	SLOPE	BT	SLOPE	ET	SLOPE
LT SHOULDER	406'WB'+00	4.00%	406'WB'+50	2.00%	408'WB'+50	2.00%	409'WB'+00	4.00%
RT SHOULDER	406'WB'+00	-4.00%	406'WB'+50	-2.00%	408'WB'+50	-2.00%	409'WB'+00	-4.00%





PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	PLAN AND PROFILES - IH 94 WB	SHEET 457	E

X = CLEARING AND GRUBBING

NOTE: SEE MISCELLANEOUS QUANTITIES FOR INVERT ELEVATIONS

N

0 50 100

SCALE IN FEET

MGS GUARDRAIL 3 WITH TERMINAL EAT

+16.20 34.00' LT

+96.18 36.00' LT

BASE AGGREGATE DENSE ¾-INCH, 3-INCH

HMA PAVEMENT TYPE E-0.3, 4-INCH

REMOVE FENCE

BASE AGGREGATE DENSE ¾-INCH, 3-INCH

+46.30 34.00' LT

CONCRETE PAVEMENT 12-INCH, SPECIAL (DOWELED)

SLOPE INTERCEPT

MAINTENANCE CROSSOVER FOR FREEWAYS

MATCH LINE STA 421'WB'+00

422'WB' 424'WB' 426'WB' 428'WB' IH 94 WB 430'WB' 432'WB' 434'WB' 436'

MATCH LINE STA 436'WB'+00

4" 12" 14" 8"

R/L IH 94 WB

STA 433'WB'+44.34 29.00' LT, 25.00' R

STA 434'WB'+18.47 29.00' RT, 25.00' R

SLOPE INTERCEPT

R/L IH 94 EB

422'EB' 424'EB' 426'EB' 428'EB' 430'EB' 432'EB' 434'EB' 436'E

IH 94 EB

4" 12" 12" 14" 8"

SLOPE INTERCEPT

VPI STA 433'WB'+05.00
VPI EL 880.70

EXISTING PROFILE

PROPOSED PROFILE

VPC STA 428'WB'+05.00
VPC EL 874.45

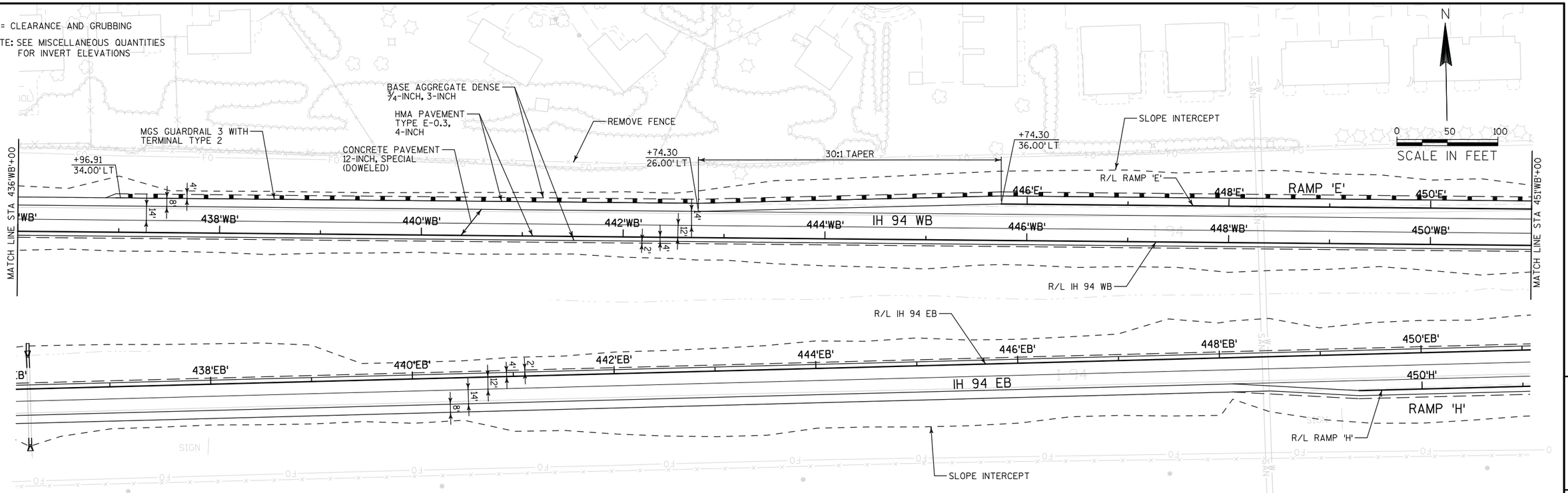
VCL = 1000'
K = 1351

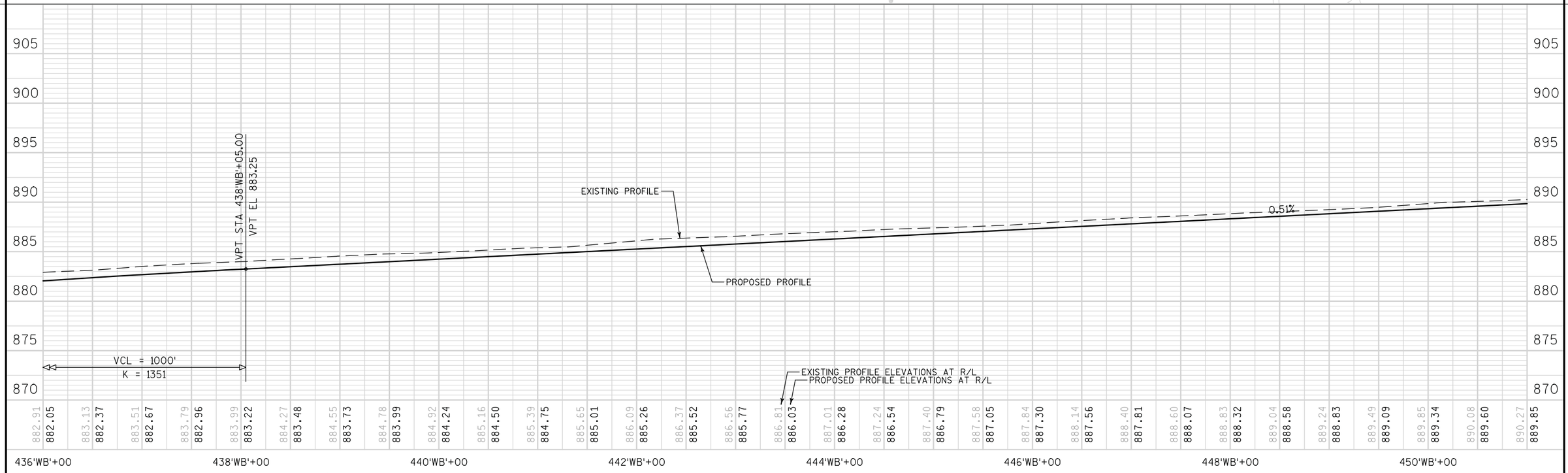
EXISTING PROFILE ELEVATIONS AT R/L
PROPOSED PROFILE ELEVATIONS AT R/L

| | | |

X = CLEARANCE AND GRUBBING

NOTE: SEE MISCELLANEOUS QUANTITIES FOR INVERT ELEVATIONS





PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	PLAN AND PROFILES - IH 94 WB	SHEET 459	E

BENCH MARKS

NO.	STATION	DESCRIPTION	ELEV.
611	458'EB'+77,RT	TOP 3/4" REBAR I94 EB & RAMP EXIT	893.51
		TO HWY 93 +-60'E OF EXIT 68 SIGN	

BASE AGGREGATE DENSE 3/4-INCH, 3-INCH
HMA PAVEMENT TYPE E-0.3, 4-INCH
CONCRETE PAVEMENT 12-INCH, SPECIAL (DOWELED)
+42.50 47.32' LT
+92.44 51.15' LT
+42.54 47.32' LT
REMOVE FENCE
SLOPE INTERCEPT
R/L RAMP 'E'
RAMP 'E'
MATCH LINE STA 451'WB'+00
MATCH LINE STA 466'WB'+00
452'E' 454'E' 456'E' 458'E' 460'E' 462'E' 464'E'
452'WB' 454'WB' 456'WB' 458'WB' 460'WB' 462'WB' 464'WB' 466
IH 94 WB
R/L IH 94 WB
SLOPE INTERCEPT
CAUTION
MGS GUARDRAIL TERMINAL EAT
452'EB' 454'EB' 456'EB' 458'EB' 460'EB' 462'EB' 464'EB' 466'E
IH 94 EB
452'H' 454'H' 456'H' 458'H' 460'H'
RAMP 'H'
R/L RAMP 'H'
BM 611
R/L IH 94 EB
SLOPE INTERCEPT
SLOPE INTERCEPT
N
0 50 100
SCALE IN FEET

X = CLEARING AND GRUBBING

NOTE: SEE MISCELLANEOUS QUANTITIES FOR INVERT ELEVATIONS

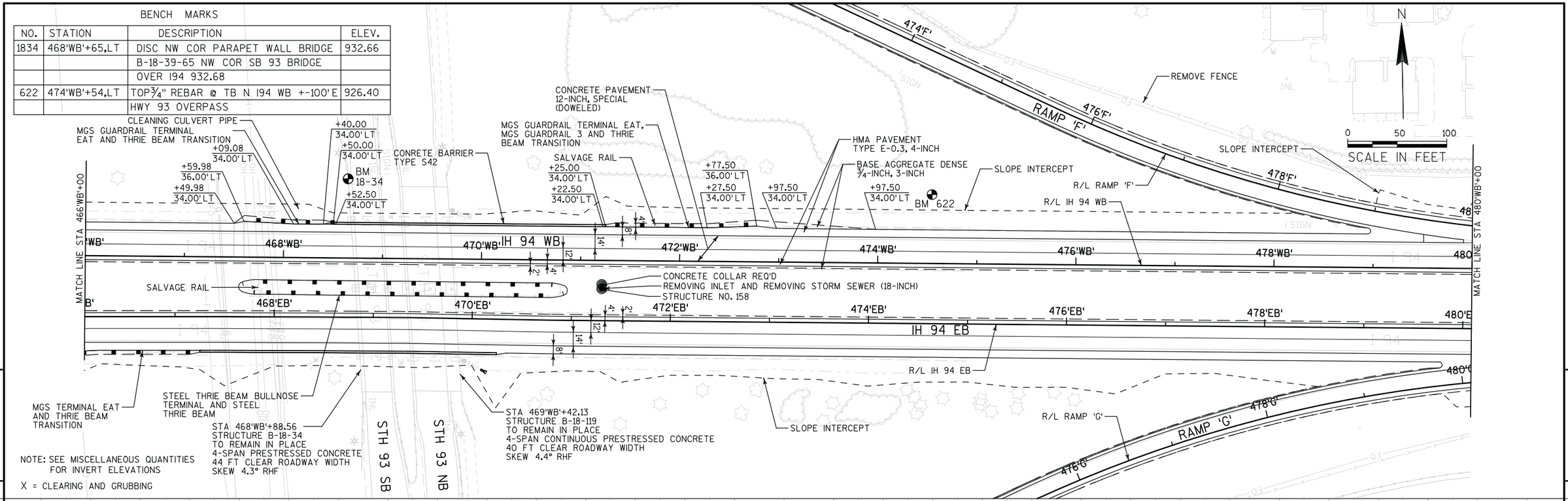
915 910 905 900 895 890 885 880

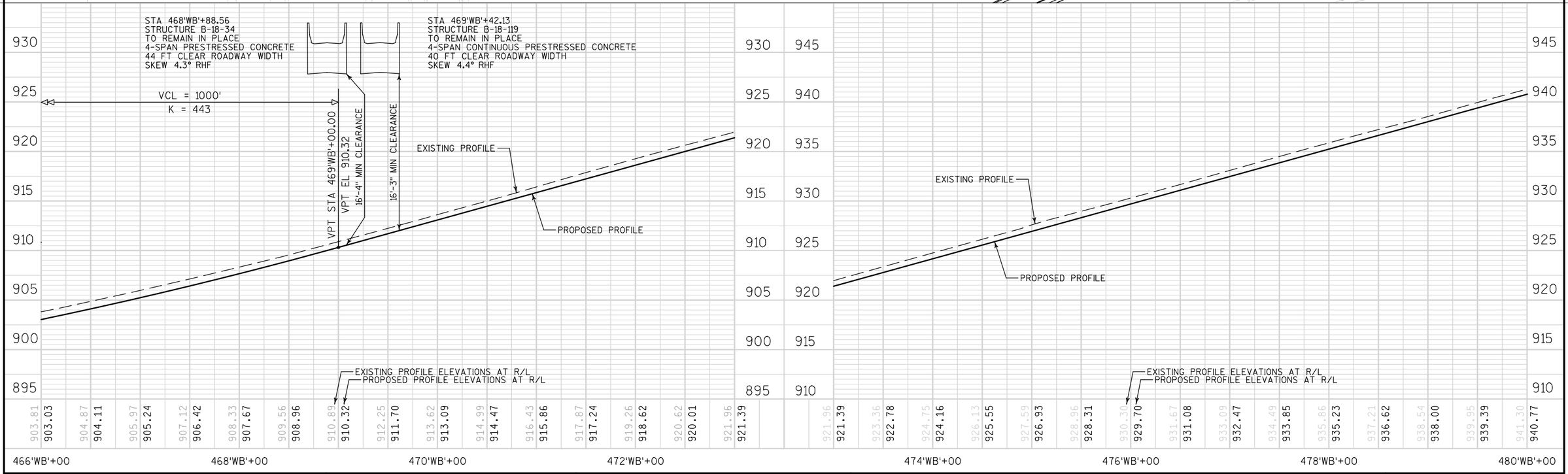
VCL = 1000'
K = 443
VPC STA 459'WB'+00.00
VPC EL 893.93
VPI STA 464'WB'+00.00
VPI EL 896.48
EXISTING PROFILE
PROPOSED PROFILE
EXISTING PROFILE ELEVATIONS AT R/L
PROPOSED PROFILE ELEVATIONS AT R/L

| | | |

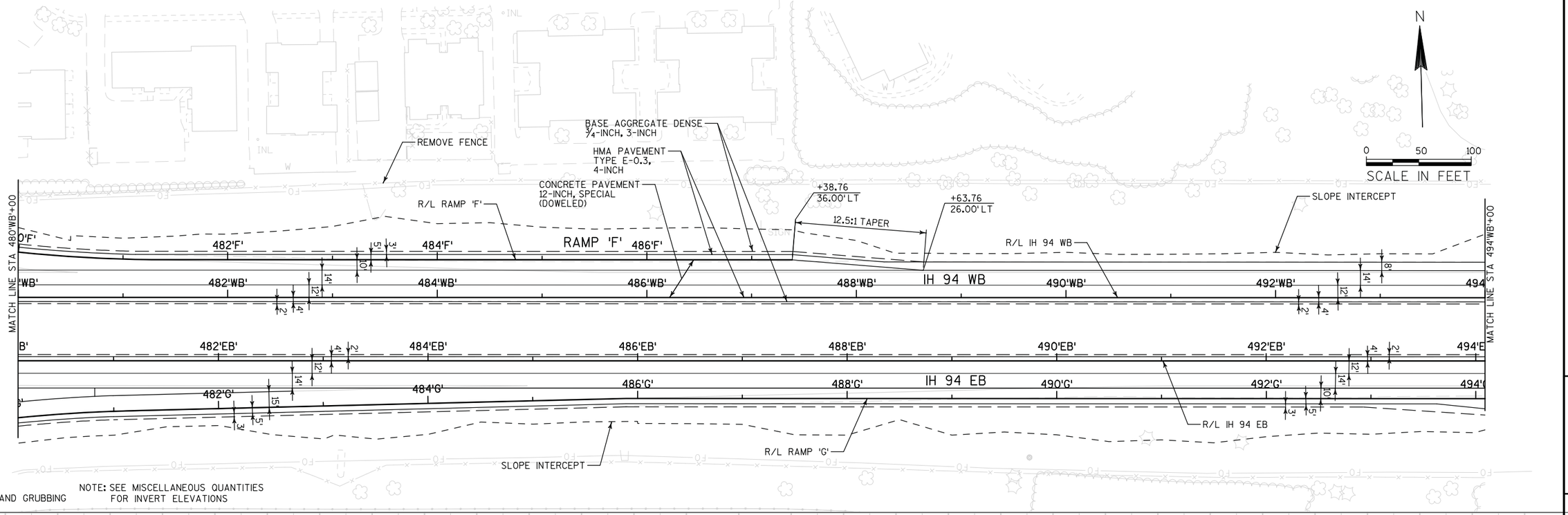
BENCH MARKS

NO.	STATION	DESCRIPTION	ELEV.
1834	468'WB'+65,LT	DISC NW COR PARAPET WALL BRIDGE	932.66
		B-18-39-65 NW COR SB 93 BRIDGE	
		OVER I94 932.68	
622	474'WB'+54,LT	TOP ¾" REBAR @ TB N I94 WB +-100'E	926.40
		HWY 93 OVERPASS	



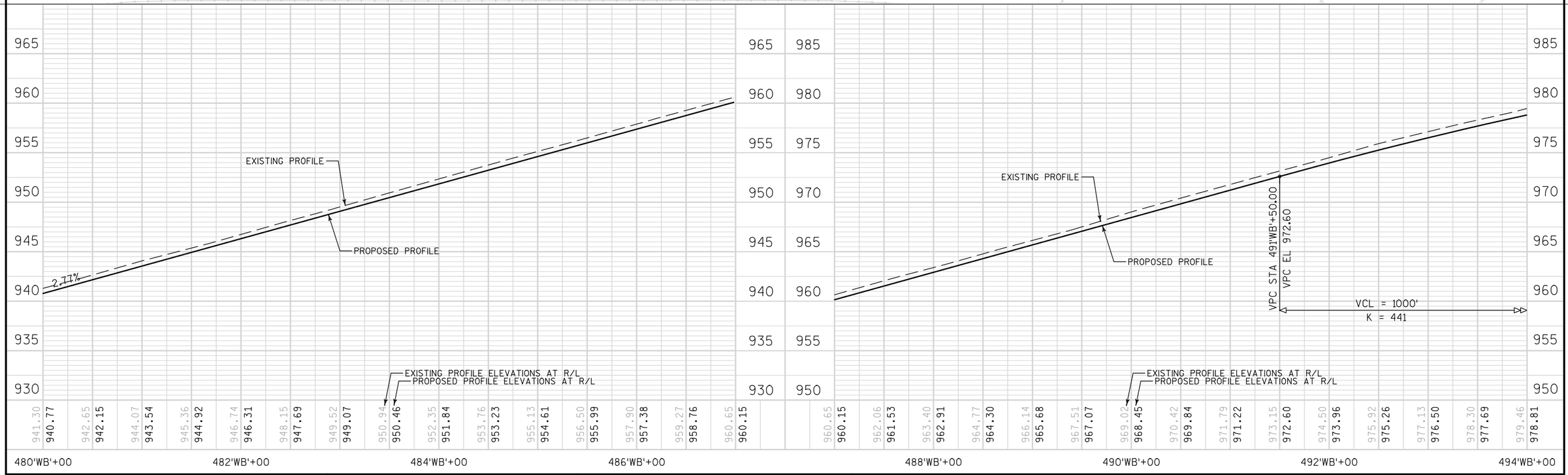


PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	PLAN AND PROFILES - IH 94 WB	SHEET 461 E

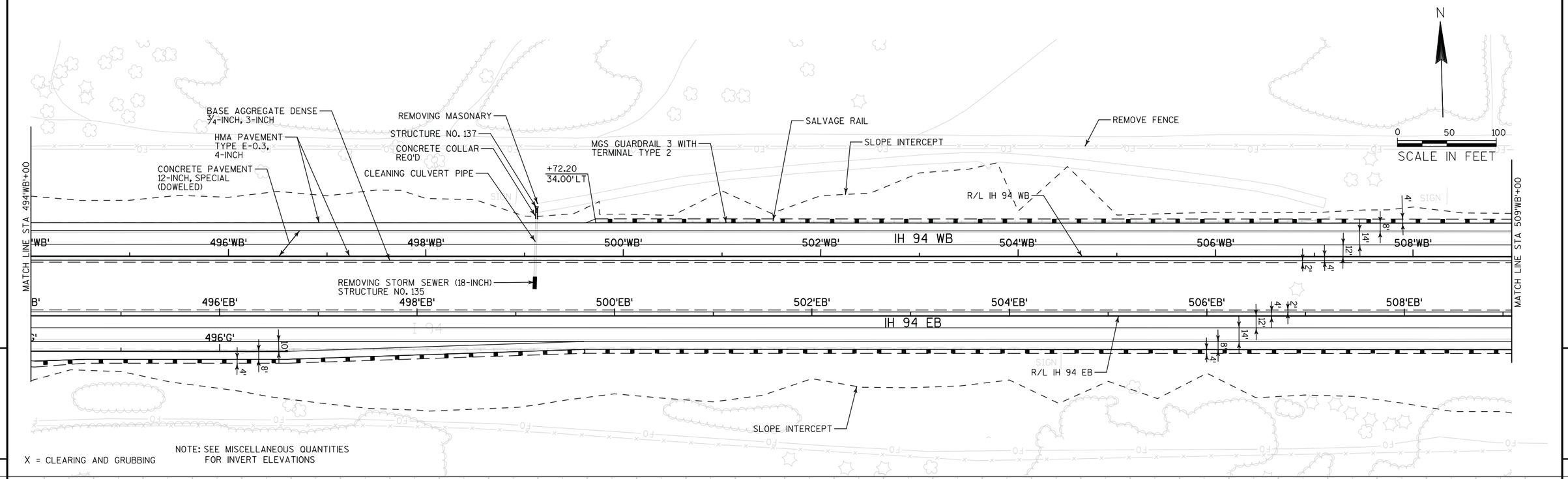


X = CLEARING AND GRUBBING

NOTE: SEE MISCELLANEOUS QUANTITIES FOR INVERT ELEVATIONS

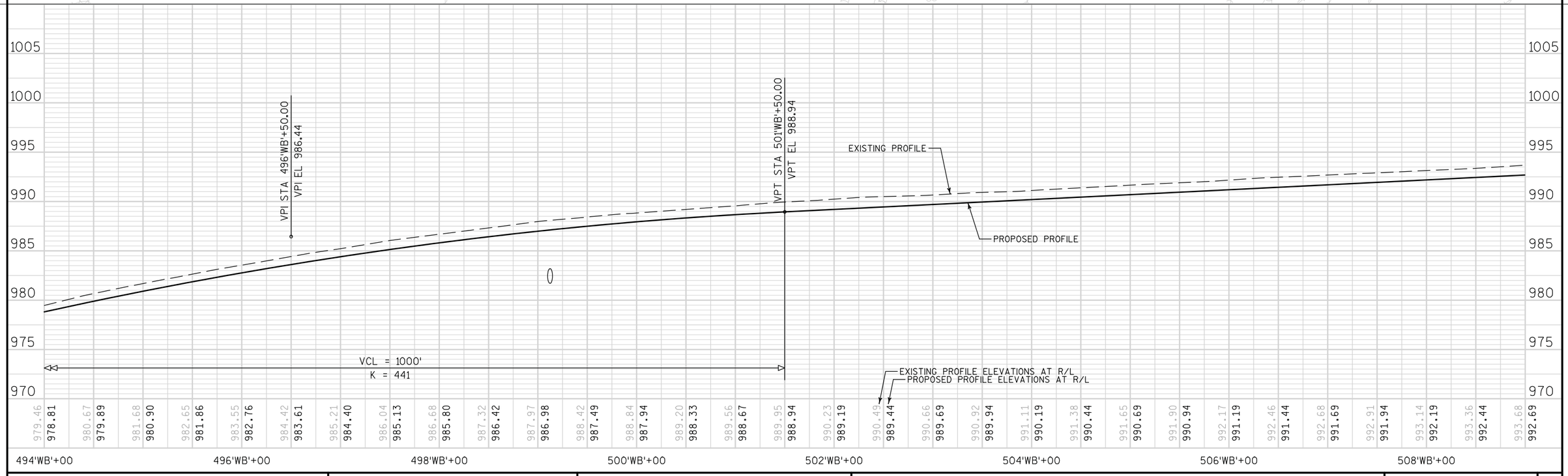


PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	PLAN AND PROFILES - IH 94 WB	SHEET 462	E



X = CLEARING AND GRUBBING

NOTE: SEE MISCELLANEOUS QUANTITIES FOR INVERT ELEVATIONS

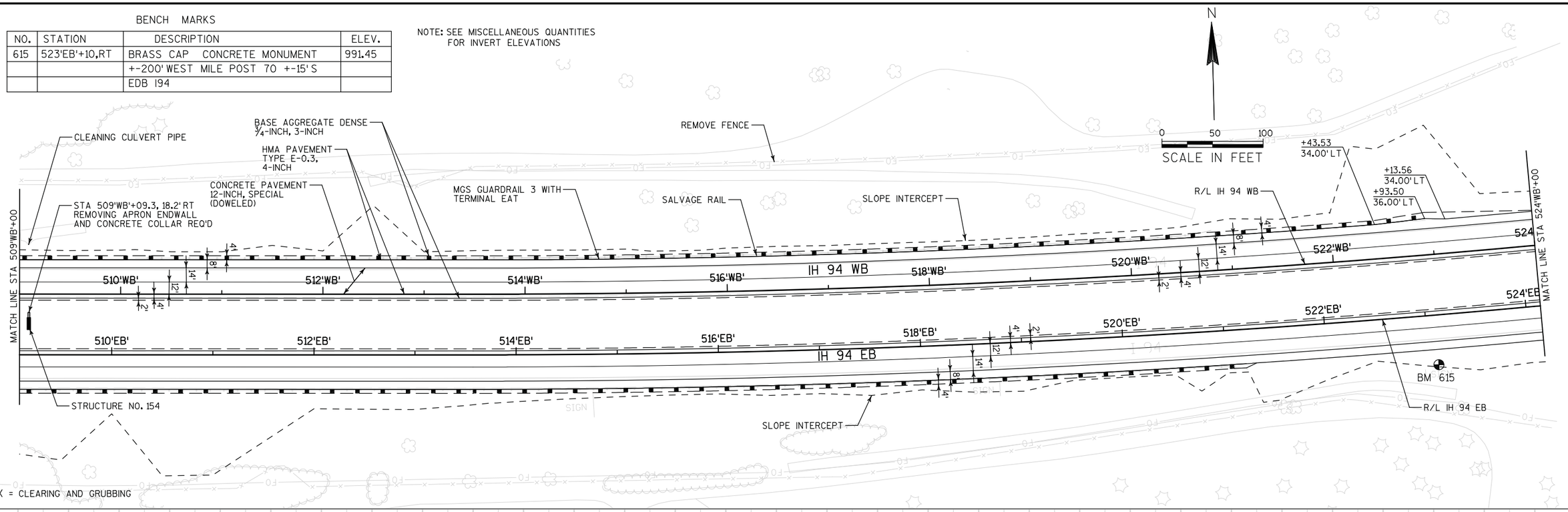


PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	PLAN AND PROFILES - IH 94 WB	SHEET 463	E

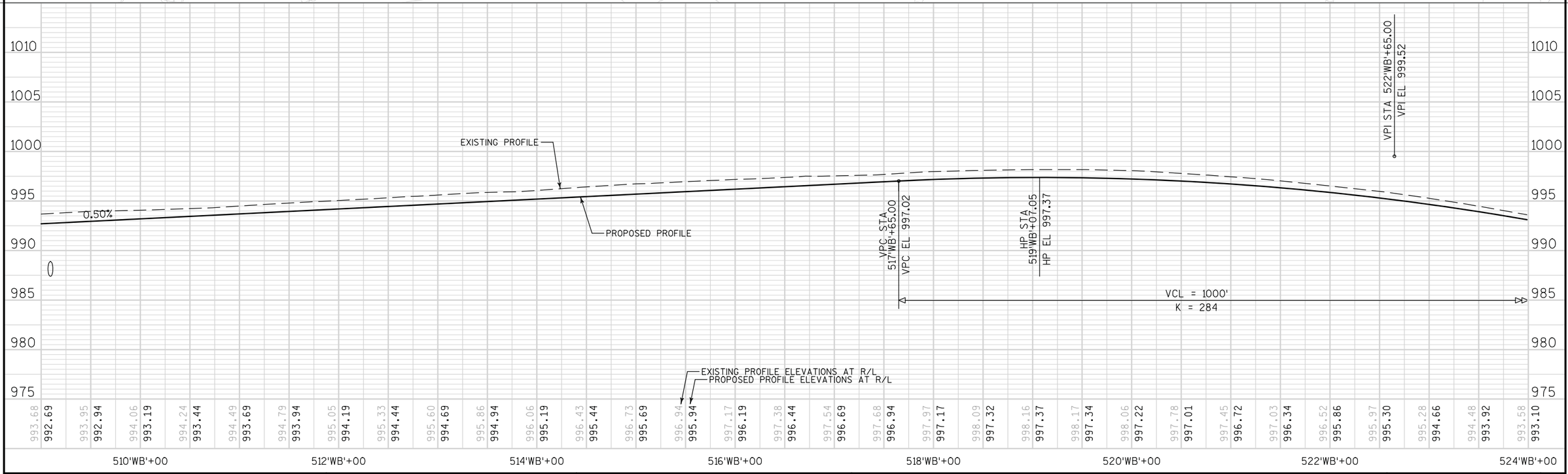
BENCH MARKS

NO.	STATION	DESCRIPTION	ELEV.
615	523'EB'+10,RT	BRASS CAP CONCRETE MONUMENT	991.45
		+-200' WEST MILE POST 70 +-15'S	
		EDB 194	

NOTE: SEE MISCELLANEOUS QUANTITIES FOR INVERT ELEVATIONS



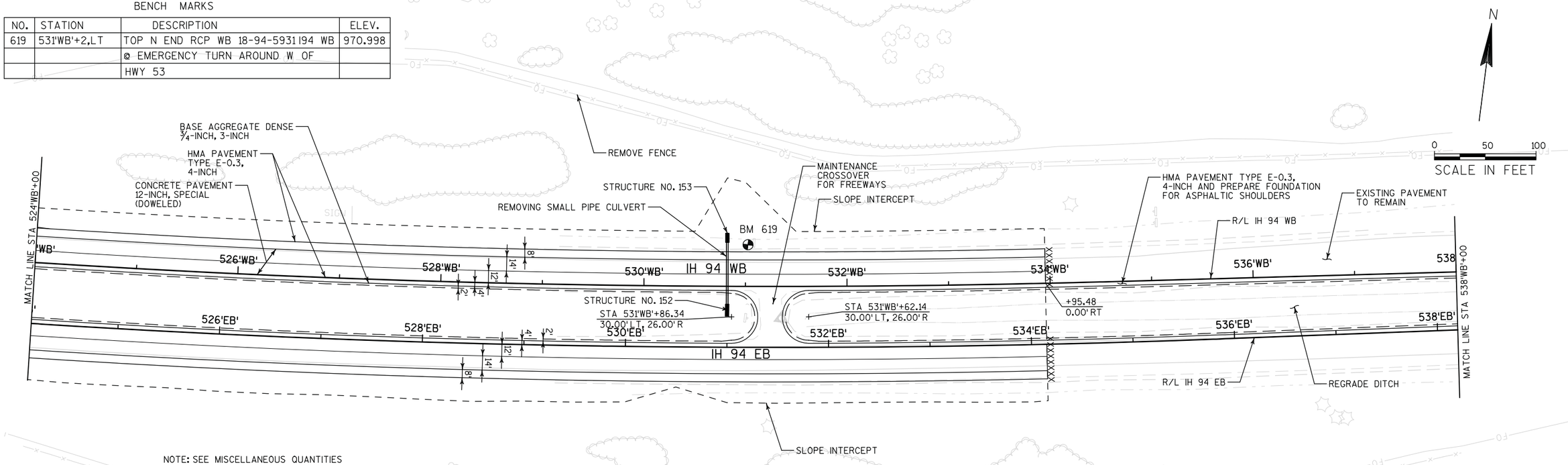
X = CLEARING AND GRUBBING



PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	PLAN AND PROFILES - IH 94 WB	SHEET 464	E

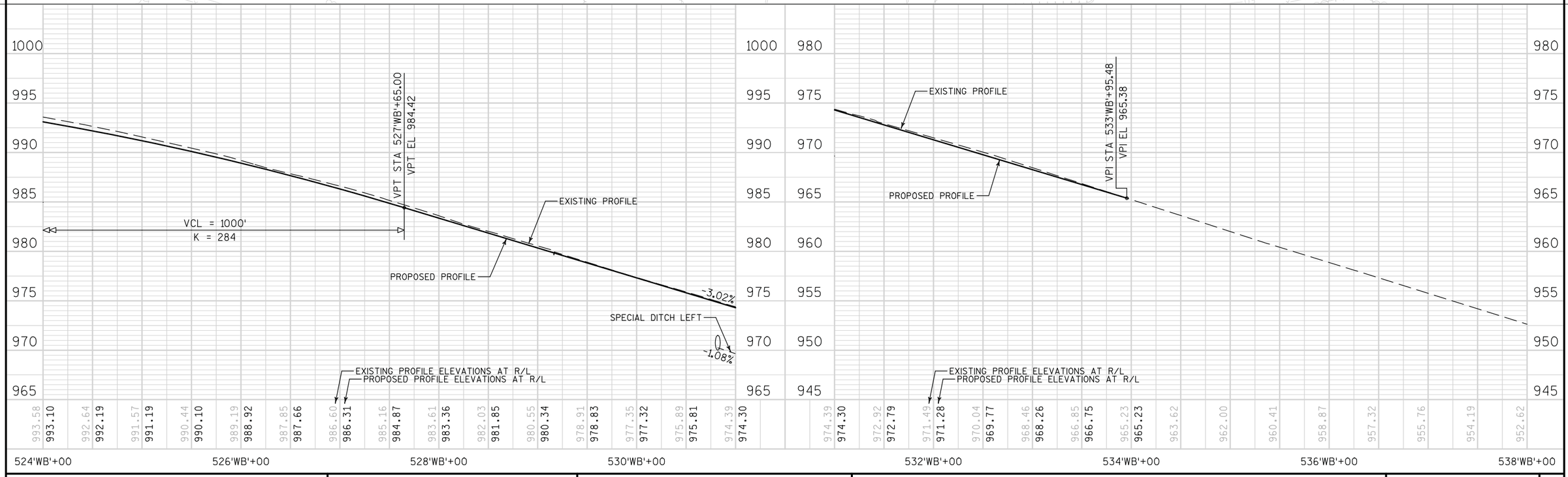
BENCH MARKS

NO.	STATION	DESCRIPTION	ELEV.
619	531'WB'+2,LT	TOP N END RCP WB 18-94-5931194 WB	970.998
		@ EMERGENCY TURN AROUND W OF	
		HWY 53	

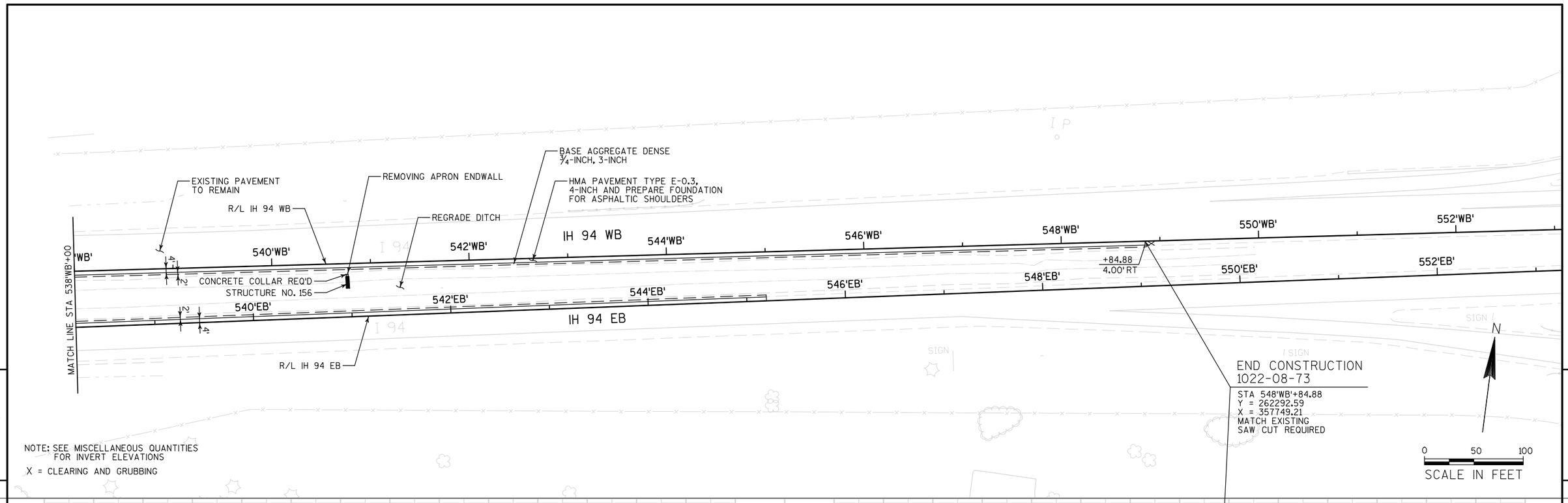


X = CLEARING AND GRUBBING

NOTE: SEE MISCELLANEOUS QUANTITIES FOR INVERT ELEVATIONS



PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	PLAN AND PROFILES - IH 94 WB	SHEET 465	E



PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	PLAN AND PROFILES - IH 94 WB	SHEET 466	E

BENCH MARKS

NO.	STATION	DESCRIPTION	ELEV.
1824	256'WB'+99,LT	NE PARAPET B-18-24 194 WB BRIDGE	804.54
		OVER CHIPPEWA RIVER	
1825	265'D'+20, RT	SW PARAPET B-18-25-66	817.27
1826	267'A'+24, LT	819-92	820.04

N

0 50 100
SCALE IN FEET

X = CLEARING AND GRUBBING

REMOVE FENCE

POB RAMP 'A'
STA 261'A'+19.24
Y=267105.03
X=330268.02

SLOPE INTERCEPT

BM 1824

IH 94 WB

IH 94 EB

R/L IH 94 EB

R/L IH 94 WB

R/L RAMP 'D'

R/L STH 37 NB

R/L STH 37 SB

STH 37 SB

STH 37 NB

34'SB'

34'NB'

32'SB'

32'NB'

30'SB'

30'NB'

STA 265'A'+29.87 TO
STA 267'A'+20.63
STRUCTURE B-18-26
TO REMAIN/STRENGTHEN
4-SPAN 36"
PRESTRESSED GIRDERS
50'TO 53.8'
CLEAR ROADWAY WIDTH
SKEW 2.1° RHF

RESETTING
PIPE END

SALVAGE
RAIL

STRUCTURE
B-18-25
(WIDEN/STRENGTHEN)

BM 1825

BM 1826

BEGIN CONSTRUCTION
RAMP 'A'
STA 268'A'+52.31
Y=266765.34
X=330916.98

MATCH LINE STA 271'A'+00

CONCRETE CURB
AND GUTTER,
30-INCH TYPE A

CONCRETE CURB
AND GUTTER,
4-INCH SLOPED,
36-INCH, TYPE A

CONCRETE PAVEMENT
9-INCH, SPECIAL
(DOWELED)

HMA PAVEMENT
TYPE E-0.3, 3-INCH

BASE AGGREGATE
DENSE
¾-INCH, 3-INCH

RAMP 'A'

256'EB' 258'EB' 260'EB' 262'EB' 264'EB' 266'EB' 268'EB' 270'EB'

256'WB' 258'WB' 260'WB' 262'WB' 264'WB' 266'WB' 268'WB' 270'WB'

262'A' 264'A' 266'A' 268'A' 270'A'

262'D' 264'D' 266'D' 268'D'

STA 265'A'+29.87 TO
STA 267'A'+20.63
STRUCTURE B-18-26
TO REMAIN/STRENGTHEN
4-SPAN 36" PRESTRESSED GIRDERS
50' TO 53.8' CLEAR ROADWAY WIDTH
SKEW 2.1° RHF

VPI STA 268'A'+52.31
VPI EL 819.40

VPI STA 270'A'+50.00
VPI EL 821.74

PROPOSED PROFILE

1.18%

EXISTING PROFILE

VPC STA
268'A'+75.00
VPC EL 819.67

HP STA
269'A'+55.80
HP EL 820.15

VCL = 350'
K = 68

14'-10" MIN INTERIM CLEARANCE
16'-2" MIN CLEARANCE
15'-8" MIN INTERIM CLEARANCE
16'-3" MIN CLEARANCE

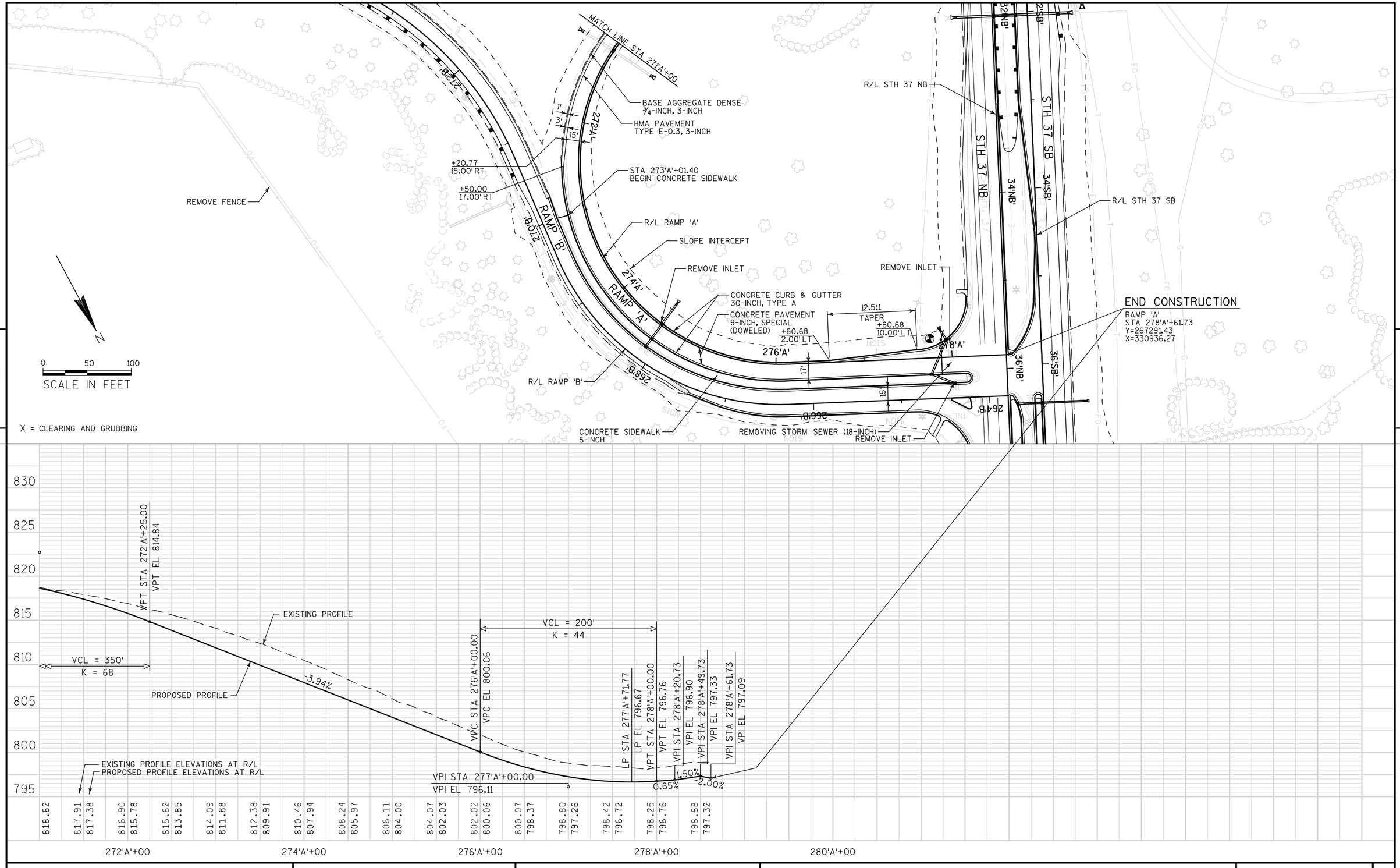
EXISTING PROFILE ELEVATIONS AT R/L
PROPOSED PROFILE ELEVATIONS AT R/L

807.74	808.49	809.31	810.14	811.00	811.87	812.74	813.83	803.11	796.63	796.67	804.85	817.70	818.53	819.07	819.37	819.50	819.92	819.63	820.14	819.67	820.00	819.34	819.50	818.72

830 825 820 815 810 805 800 795

256'A'+00 258'A'+00 260'A'+00 262'A'+00 264'A'+00 266'A'+00 268'A'+00 270'A'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	PLAN AND PROFILES - RAMP 'A'	SHEET 467	E



PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	PLAN AND PROFILES - RAMP 'A'	SHEET 468	E

R/L STH 37 NB

REMOVE INLET AND REMOVE STORM SEWER (18-INCH)

CONCRETE CURB TYPE A

CONCRETE CURB AND GUTTER 30-INCH TYPE A

REMOVE INLET

REMOVING STORM SEWER (18-INCH)

CONCRETE SIDEWALK 5-INCH

CONCRETE PAVEMENT 9-INCH, SPECIAL (DOWELED)

R/L RAMP 'B'

REMOVE FENCE

REMOVING SMALL PIPE CULVERT

MGS GUARDRAIL 3 WITH TERMINAL 2

HMA PAVEMENT TYPE E-0.3, 3-INCH

SLOPE INTERCEPT

BASE AGGREGATE DENSE 3/4-INCH, 3-INCH

MATCH LINE STA 274'B'+00

R/L STH 37 SB

RAMP 'B'

RAMP 'A'

R/L RAMP 'A'

STH 37 SB

STH 37 NB

36'NB'

36'SB'

34'NB'

34'SB'

264'B'

266'B'

268'B'

270'B'

272'B'

274'B'

276'A'

274'A'

272'A'

+14.89
9.43' LT

+28.29
14.00' LT

+42.38
8.00' LT

+42.38
4.12' LT

+69.90
0.00' LT

+99.96
17.00' LT

+24.81
19.00' LT

+20.30
5.00' LT

+50.30
8.00' LT

STA 269'B'+99.80
END CONCRETE SIDEWALK

STA 266'B'+28.60
203.00' RT, 217.00' R

STA 266'B'+28.60
203.00' RT, 215.00' R

BEGIN CONSTRUCTION
RAMP 'B'
STA 36'NB'+31.10
Y=267333.37
X=330956.36

X = CLEARING AND GRUBBING

0 50 100
SCALE IN FEET

VPI STA 263'B'+78.96
VPI EL 797.48

VPI STA 263'B'+90.96
VPI EL 797.72

VPI STA 264'B'+02.96
VPI EL 797.54

VPC STA 264'B'+05.00
VPC EL 797.53

LP STA 264'B'+28.84
LP EL 797.45

VCL = 190'
K = 36

-1.50%
2.00%
-0.66%

VPI STA 265'B'+00.00
VPI EL 796.90

VPT STA 265'B'+95.00
VPT EL 801.27

4.60%

VPC STA 266'B'+70.00
VPC EL 804.72

VPI STA 268'B'+20.00
VPI EL 811.62

VCL = 300'
K = 124

VPT STA 269'B'+70.00
VPT EL 814.89

2.18%

EXISTING PROFILE

PROPOSED PROFILE

VPC STA 274'B'+00.00
VPC EL 824.26

EXISTING PROFILE ELEVATIONS AT R/L
PROPOSED PROFILE ELEVATIONS AT R/L

798.95	797.58	798.82	797.51	799.37
798.15	800.50	799.48	802.48	801.50
804.86	803.80	807.03	806.06	809.37
808.14	811.53	810.02	813.28	811.69
814.86	813.16	816.01	814.44	817.02
815.54	818.01	816.63	819.03	817.72
819.98	818.81	820.87	819.90	821.79
820.99	822.91	822.08	823.90	823.17
824.90	824.26			

830 825 820 815 810 805 800 795

262'B'+00 264'B'+00 266'B'+00 268'B'+00 270'B'+00 272'B'+00 274'B'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	PLAN AND PROFILES - RAMP 'B'	SHEET 469 E

FILE NAME : CH_0803_050147_pp.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT NAME : PLOT SCALE : 100:1

WISDOT/CADDS SHEET 40

BENCH MARKS

NO.	STATION	DESCRIPTION	ELEV.
633	282'B'+48,LT	TOP SW BOLT S LEG EXIT 65 HWY 37	830.20
		EAUCLAIRE-MONDOVI SIGN BOARD I94 WB	
602	282'C'+98,RT	3/4" REBAR I94 EB @ BEAM GAURD	833.416
		END +-500' RAMP 37/85	

MATCH LINE STA 274'B'+00

CONCRETE PAVEMENT 9-INCH, SPECIAL (DOWELED)

HMA PAVEMENT TYPE E-0.3, 3-INCH

BASE AGGREGATE DENSE 3/4-INCH, 3-INCH

MGS GUARDRAIL3

END CONSTRUCTION
RAMP 'B'
STA 278'B'+30.54
Y=266286.95
X=331772.19

SLOPE INTERCEPT

R/L RAMP 'B'

REMOVE FENCE

SLOPE INTERCEPT

N

0 50 100
SCALE IN FEET

POE RAMP 'B'
STA 287'B'+02.14
Y=265842.31
X=332521.22

BM 633

R/L IH 94 WB

R/L IH 94 EB

R/L RAMP 'C'

BM 602

X = CLEARING AND GRUBBING

274'B' 276'B' 278'B' 280'B' 282'B' 284'B' 286'B'

274'WB' 276'WB' 278'WB' 280'WB' 282'WB' 284'WB' 286'WB' 288'WB'

IH 94 WB

RAMP 'B'

274'EB' 276'EB' 278'EB' 280'EB' 282'EB' 284'EB' 286'EB' 288'EB'

IH 94 EB

274'C' 276'C' 278'C' 280'C' 282'C' 284'C' 286'C'

RAMP 'C'

5

5

VPC STA 274'B'+00.00
VPC EL 824.26

VPI STA 276'B'+00.00
VPI EL 828.61

VPT STA 278'B'+00.00
VPT EL 829.80

VPI STA 278'B'+30.54
VPI EL 829.98

EXISTING PROFILE

PROPOSED PROFILE

0.59%

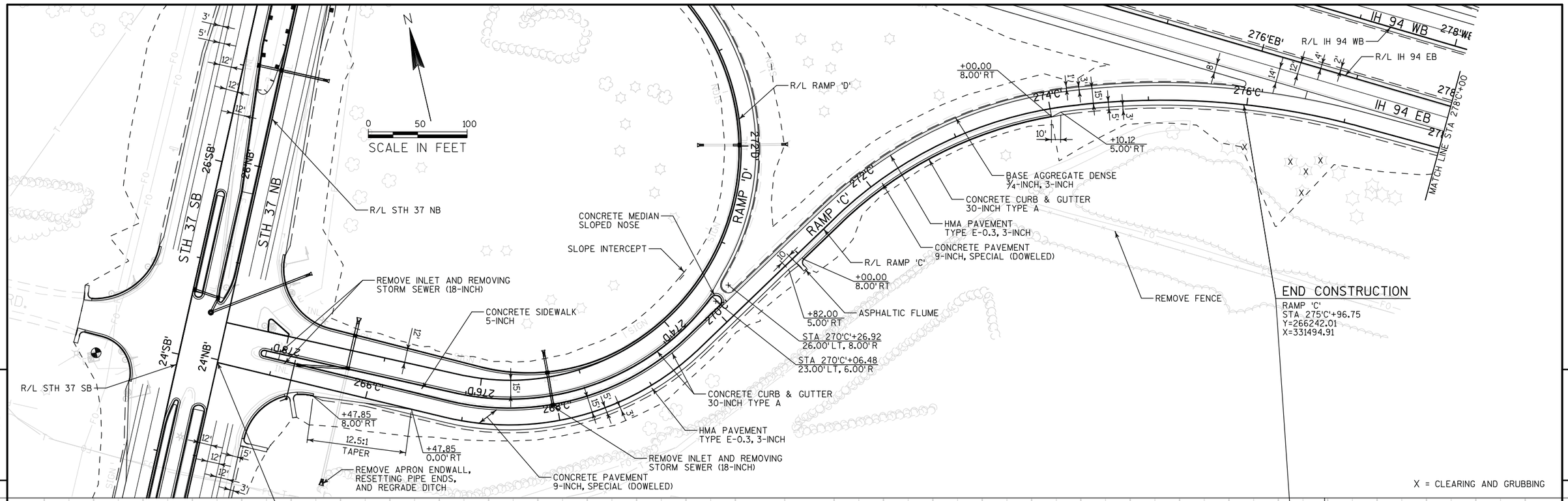
VCL = 400'
K = 252

EXISTING PROFILE ELEVATIONS AT R/L
PROPOSED PROFILE ELEVATIONS AT R/L

274'B'+00	276'B'+00	278'B'+00	280'B'+00	282'B'+00	284'B'+00
824.90 / 824.26	825.91 / 825.30	826.93 / 826.24	827.75 / 827.08	828.34 / 827.82	828.88 / 828.46
829.38 / 829.01	829.85 / 829.45	830.17 / 829.80	830.43	830.69	830.96
831.24	831.47	831.50	831.38	831.06	830.49
830.37	830.22	829.96			

PROJECT NO:1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	PLAN AND PROFILES - RAMP 'B'	SHEET 470	E

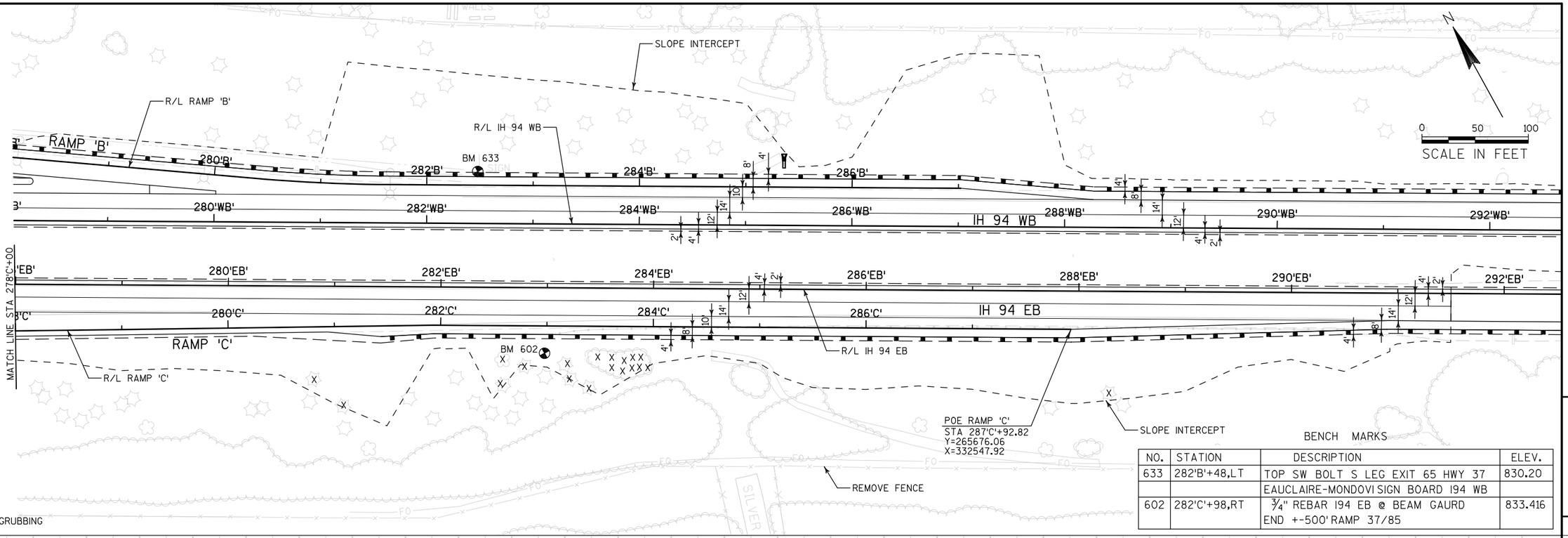
FILE NAME : CH_0803_050148_pp.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT NAME : PLOT SCALE : 100:1



PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	PLAN AND PROFILES - RAMP 'C'	SHEET 471 E

FILE NAME : CH_0803_050149_pp.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT NAME : PLOT SCALE : 100:1

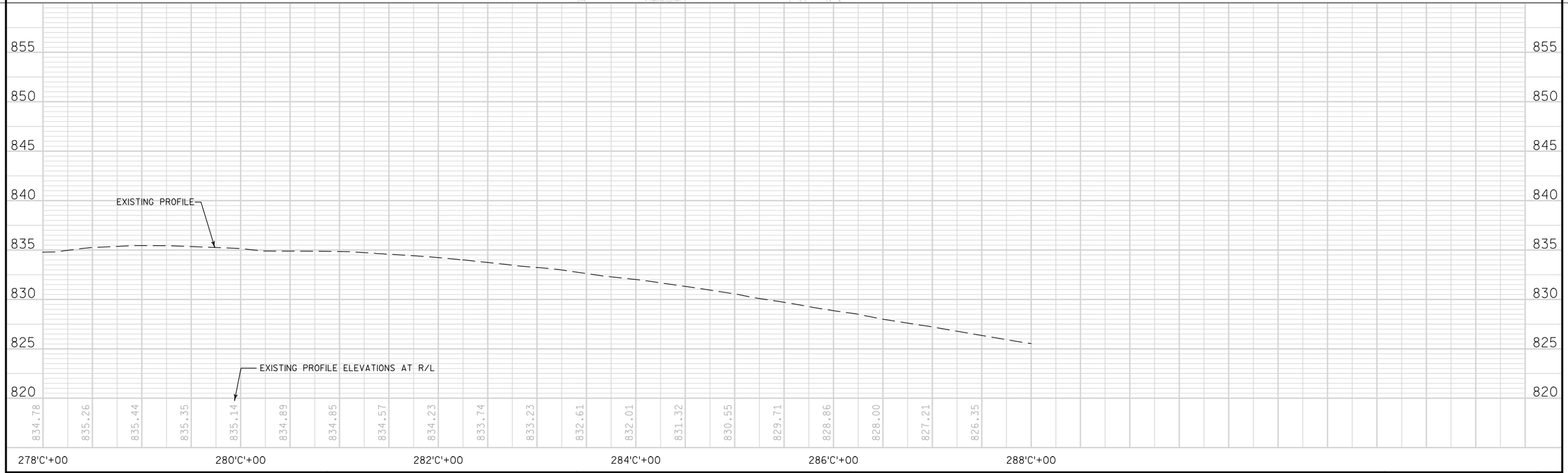
WISDOT/CADDS SHEET 40



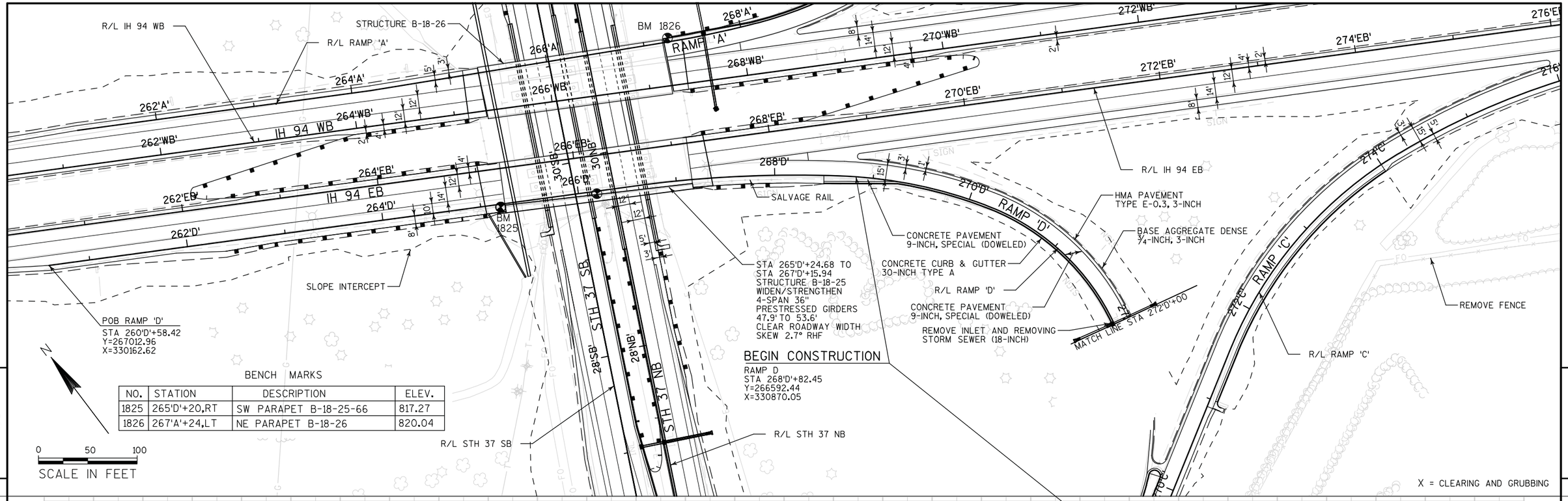
BENCH MARKS

NO.	STATION	DESCRIPTION	ELEV.
633	282'B'+48,LT	TOP SW BOLT S LEG EXIT 65 HWY 37	830.20
		EAUCLAIRE-MONDOVI SIGN BOARD 194 WB	
602	282'C'+98,RT	¾" REBAR 194 EB @ BEAM GAURD END +-500' RAMP 37/85	833.416

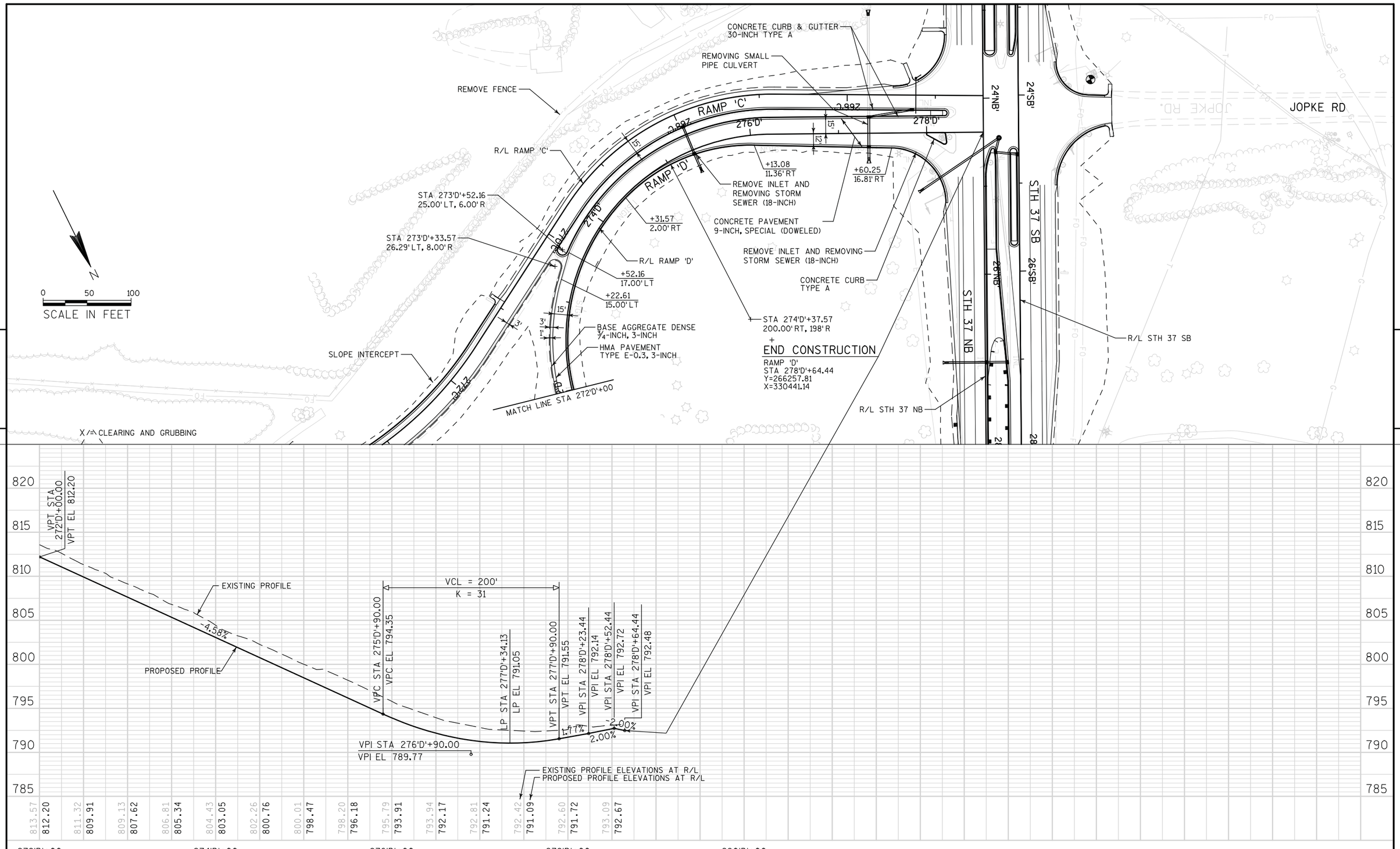
X = CLEARING AND GRUBBING



PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	PLAN AND PROFILES - RAMP 'C'	SHEET 472	E



PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	PLAN AND PROFILES - RAMP 'D'	SHEET 473	E



PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	PLAN AND PROFILES - RAMP 'D'	SHEET 474	E

X = CLEARING AND GRUBBING

N

0 50 100

SCALE IN FEET

REMOVE FENCE

POB RAMP 'E'
STA 445'E'+74.30
Y=262161.93
X=347467.16

SLOPE INTERCEPT

R/L RAMP 'E'

RAMP 'E'

IH 94 WB

R/L IH 94 WB

R/L IH 94 EB

IH 94 EB

R/L RAMP 'H'

RAMP 'H'

MATCH LINE STA 455'E'+00

440'WB' 442'WB' 444'WB' 446'WB' 448'WB' 450'WB' 452'WB' 454'WB'

440'EB' 442'EB' 444'EB' 446'EB' 448'EB' 450'EB' 452'EB' 454'EB'

450'H' 452'H' 454'H'

14' 12' 2' 4' 8' 10' 5'

EXISTING PROFILE

EXISTING PROFILE ELEVATIONS AT R/L

886.77 887.05 887.30 887.68 887.89 888.10 888.54 888.88 889.16 889.43 889.64 889.94 890.23 890.35 890.65 890.64 890.92 891.19 891.52

905 900 895 890 885 880 875 870

440'E'+00 442'E'+00 444'E'+00 446'E'+00 448'E'+00 450'E'+00 452'E'+00 454'E'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	PLAN AND PROFILES - RAMP 'E'	SHEET 475	E

FILE NAME : CH_0803_050153_pp.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT NAME : PLOT SCALE : 100:1

BEGIN CONSTRUCTION
RAMP 'E'
STA 468'E'+32.95
Y=262147.93
X=348725.39

END CONSTRUCTION
RAMP 'E'
STA 468'E'+67.07
Y=262497.03
X=349693.28
MATCH EXISTING
SAWCUT REQUIRED

N

0 50 100
SCALE IN FEET

MATCH LINE STA 455'E'+00

SLOPE INTERCEPT

REMOVE FENCE

R/L RAMP 'E'

RAMP 'E'

456'E' 458'E' 460'E' 462'E' 464'E' 466'E' 468'E' 469'E'

456'WB' 458'WB' 460'WB' 462'WB' 464'WB'

456'EB' 458'EB' 460'EB'

IH 94 WB

IH 94 EB

R/L IH 94 EB

R/L IH 94 WB

R/L RAMP 'H'

456'H'

3:1 5' 15' 3:1 5' 15' 3:1 1:1

REMOVING ASPHALTIC SURFACE
MILLING 4-INCH AND HMA
PAVEMENT TYPE E-10, 6-INCH

BASE AGGREGATE DENSE
3/4-INCH, 6-INCH

REMOVING ASPHALTIC SURFACE
MILLING AND PREPARE FOUNDATION
FOR ASPHALTIC SHOULDERS

HMA PAVEMENT
TYPE E-10, 6-INCH

EXISTING ASPHALTIC
FLUME TO REMAIN

REMOVING ASPHALTIC
SURFACE BUTT JOINT

CONDUIT RIGID NON METALLIC
SCHEDULE 40 2-INCH

RAMP CLOSURE GATES
SOLAR POWERED 30-FT

+37.35
15.00' RT

+67.47
8.18' LT

+66.03
21.12' RT

+98.63
0.00' LT

25'

TRAFFIC SIGNAL
STANDARDS
ALUMINUM 15-FT

PULL BOXES STEEL
24x36-INCH

X = CLEARING AND GRUBBING

STH 93 SB

STH 93 NB

EXISTING PROFILE

EXISTING PROFILE ELEVATIONS AT R/L

925 920 915 910 905 900 895 890

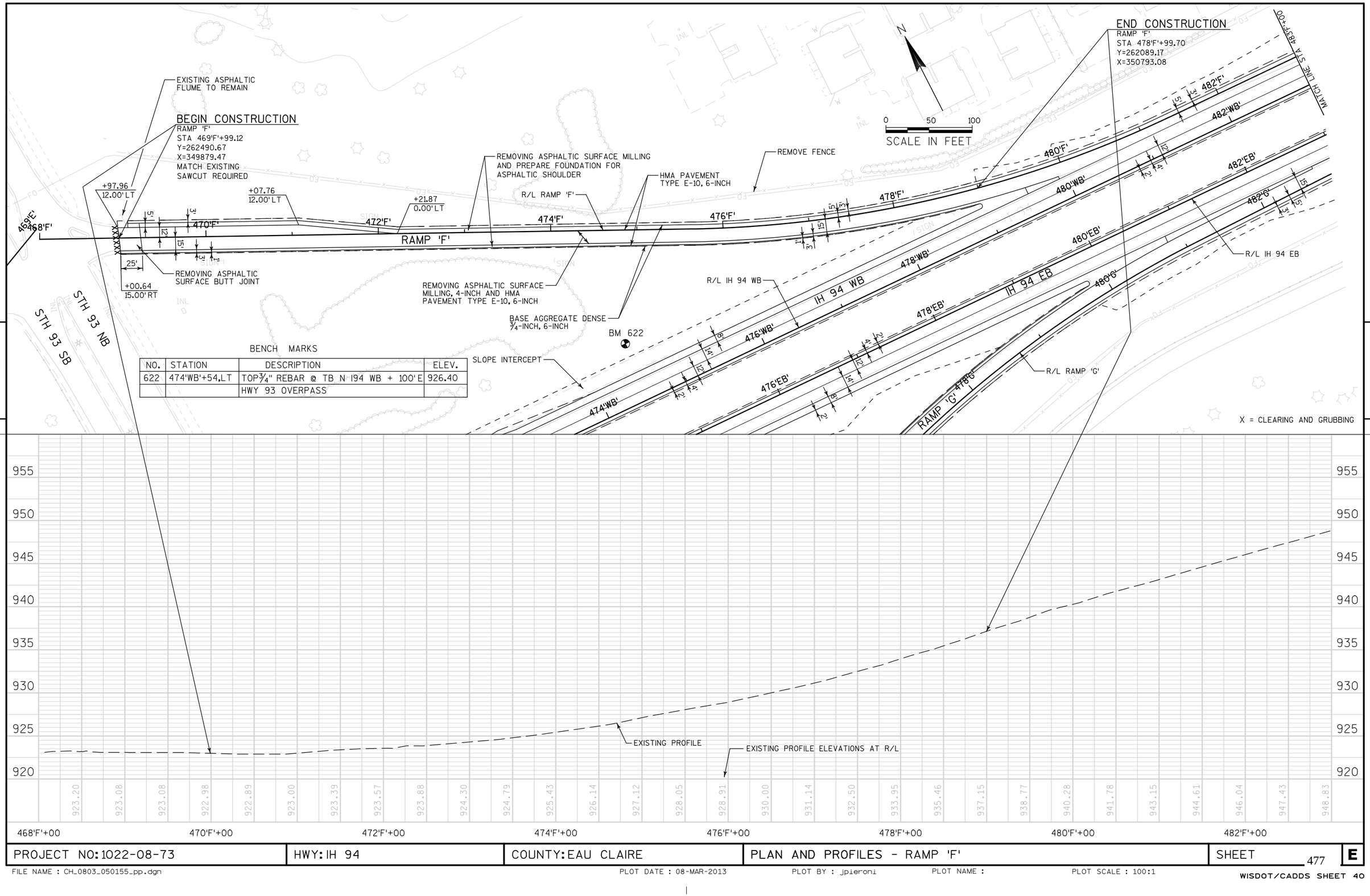
891.52 891.74 891.89 891.99 892.10 892.18 892.31 892.54 892.77 893.01 893.27 893.53 894.04 894.65 896.47 897.94 899.67 901.39 903.40 905.47 907.61 909.71 911.71 913.72 915.66 917.71 919.78 921.61 922.77 922.86

456'E'+00 458'E'+00 460'E'+00 462'E'+00 464'E'+00 466'E'+00 468'E'+00 470'E'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	PLAN AND PROFILES - RAMP 'E'	SHEET 476	E

FILE NAME : CH_0803_050154_pp.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT NAME : PLOT SCALE : 100:1

WISDOT/CADDS SHEET 40



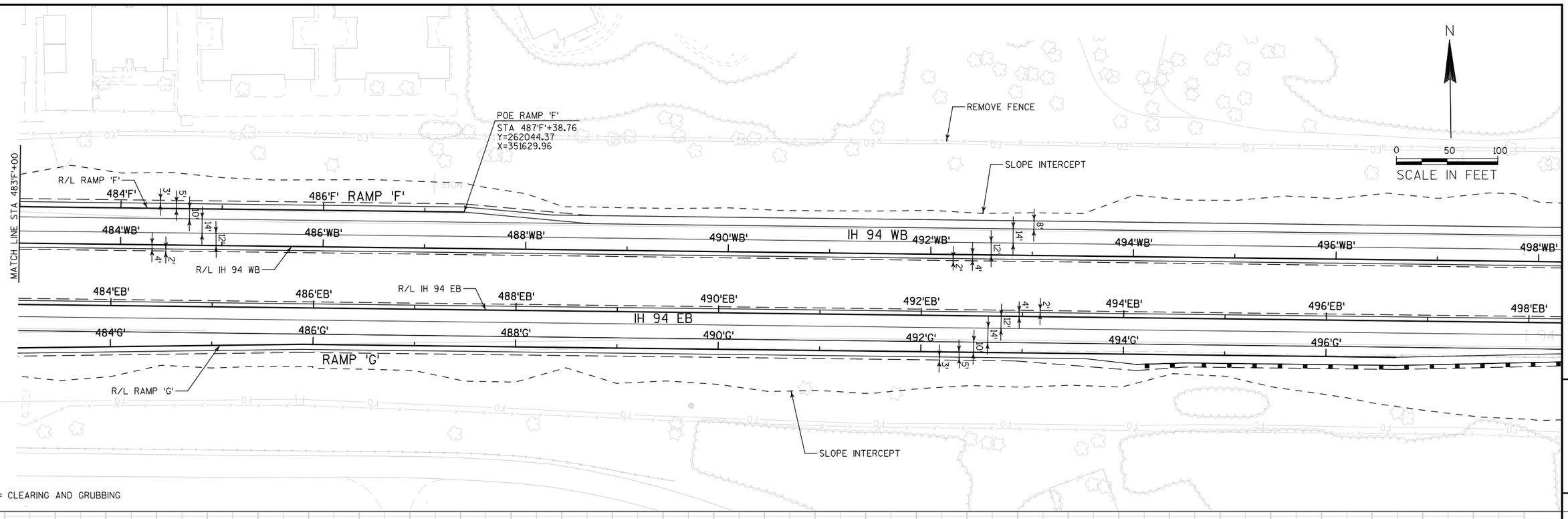
BENCH MARKS

NO.	STATION	DESCRIPTION	ELEV.
622	474'WB'+54,LT	TOP 3/4" REBAR @ TB N 194 WB + 100'E	926.40
		HWY 93 OVERPASS	

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	PLAN AND PROFILES - RAMP 'F'	SHEET 477	E

FILE NAME : CH_0803_050155_pp.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT NAME : PLOT SCALE : 100:1

WISDOT/CADDS SHEET 40



PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	PLAN AND PROFILES - RAMP 'F'	SHEET 478	E

STH 93 SB

STH 93 NB

CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH

EXISTING ASPHALTIC FLUME TO REMAIN

+76.25
15.00' LT

RAMP CLOSURE GATES HARDWIRED 30-FT

R/L RAMP 'G'

SLOPE INTERCEPT

REMOVING ASPHALTIC SURFACE MILLING AND PREPARE FOUNDATION FOR ASPHALTIC SHOULDERS

R/L IH 94 EB

R/L RAMP 'F'

R/L IH 94 WB

N

0 50 100
SCALE IN FEET

470'H

468'G'

470'G'

472'G'

RAMP 'G'

474'G'

476'G'

478'G'

480'G'

482'G'

484'G'

476'EB'

478'WB'

478'EB'

480'WB'

480'EB'

482'WB'

482'EB'

478'F'

480'F'

482'F'

IH 94 WB

IH 94 EB

420'H'

+75.77
5.00' RT

25'

REMOVING ASPHALTIC SURFACE BUTT JOINT

CLEANING CULVERT PIPE

R/L RAMP 'H'

REMOVING ASPHALTIC SURFACE MILLING 4-INCH AND HMA PAVEMENT TYPE E-10, 6-INCH

HMA PAVEMENT TYPE E-10, 6-INCH

BASE AGGREGATE DENSE ¾-INCH, 6-INCH

REMOVE FENCE

SLOPE INTERCEPT

MATCH LINE STA 484'G'+00

BEGIN CONSTRUCTION
RAMP 'G'
STA 469'G'+75.89
Y=261567.39
X=349921.47
MATCH EXISTING
SAW CUT REQUIRED

END CONSTRUCTION
RAMP 'G'
STA 479'G'+81.56
Y=261911.99
X=350860.45

NOTE: ELECTRICAL WIRING WORK FROM THE DOT CABINET TO THE CLOSURE GATE POWER SUPPLY CABINET WILL BE COMPLETED BY STATE FORCES. COORDINATE WITH WISDOT NW REGION ELECTRICAL PERSONNEL @ 716-839-3787.

X = CLEARING AND GRUBBING

EXISTING PROFILE

EXISTING PROFILE ELEVATIONS AT R/L

955 950 945 940 935 930 925 920

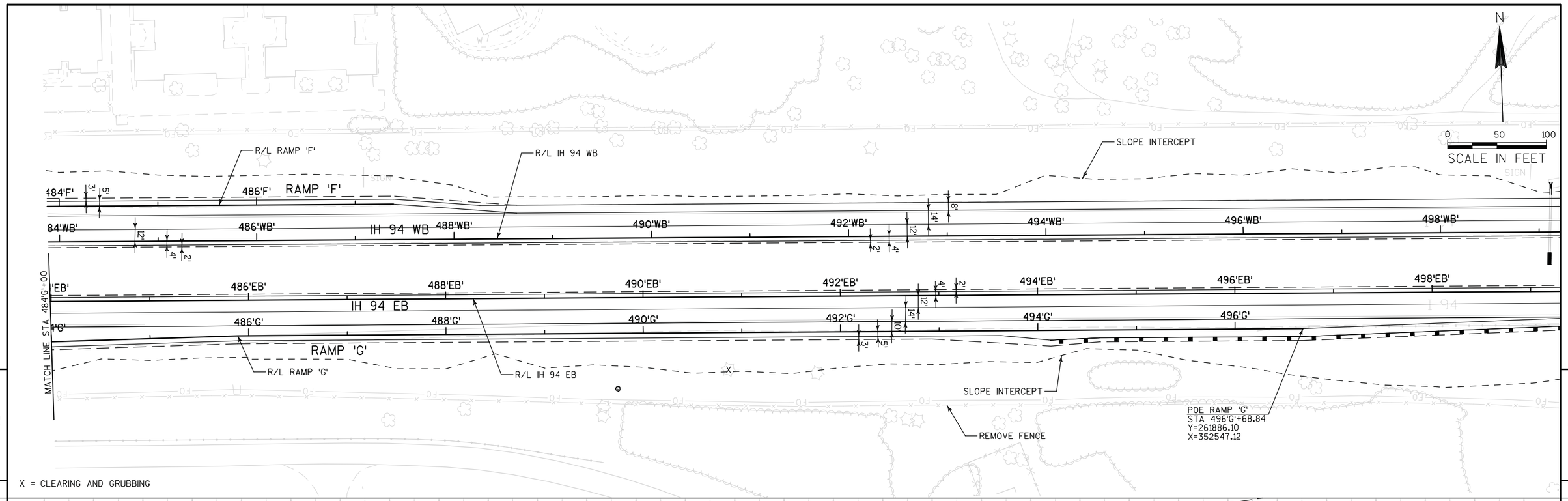
928.77 928.66 928.75 928.95 929.42 929.91 930.32 930.90 931.42 931.94 932.60 932.96 933.52 934.01 934.73 935.06 935.52 936.00 936.48 936.90 937.73 938.60 939.78 941.25 942.75 944.43 945.86 947.30 948.65

468'G'+00 470'G'+00 472'G'+00 474'G'+00 476'G'+00 478'G'+00 480'G'+00 482'G'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	PLAN AND PROFILES - RAMP 'G'	SHEET 479	E

FILE NAME : CH_0803_050157_pp.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT NAME : PLOT SCALE : 100:1

WISDOT/CADDS SHEET 40

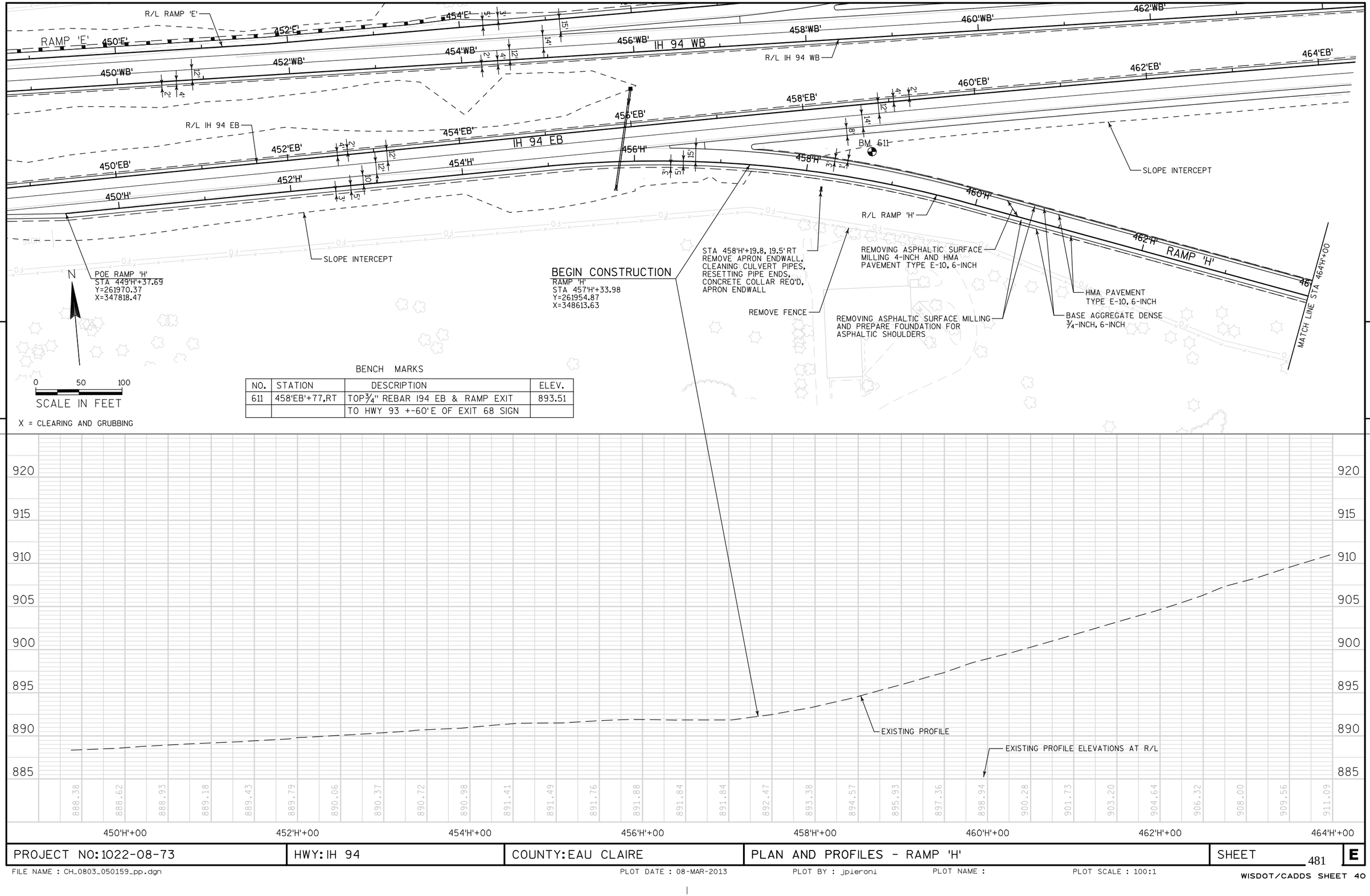


5

5

X = CLEARING AND GRUBBING

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	PLAN AND PROFILES - RAMP 'G'	SHEET 480	E



5

5

BENCH MARKS

NO.	STATION	DESCRIPTION	ELEV.
611	458'EB'+77,RT	TOP ¾" REBAR I94 EB & RAMP EXIT	893.51
		TO HWY 93 +-60'E OF EXIT 68 SIGN	

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	PLAN AND PROFILES - RAMP 'H'	SHEET 481	E

REMOVING ASPHALTIC SURFACE MILLING AND PREPARE FOUNDATION FOR ASPHALTIC SHOULDERS

HMA PAVEMENT TYPE E-10, 6-INCH

BASE AGGREGATE DENSE ¾-INCH, 6-INCH

MATCH LINE STA 464'H'+00

466'H'

RAMP 'H'

468'H'

+54.85
0.00' RT

+58.88
12.00' RT

+25.33
15.00' LT

+26.35
12.00' RT

25'

R/L RAMP 'H'

REMOVING ASPHALTIC SURFACE MILLING, 4-INCH AND HMA PAVEMENT TYPE E-10, 6-INCH

EXISTING ASPHALTIC FLUME TO REMAIN

REMOVE FENCE

STH 93 SB

STH 93 NB

472'G'

RAMP 'G'

468'G'

470'H'

470'H'

RAMP 'G'

END CONSTRUCTION
RAMP 'H'
STA 469'H'+25.88
Y=261561.33
X=349737.40
MATCH EXISTING
SAW CUT REQUIRED

X = CLEARING AND GRUBBING

N

0 50 100
SCALE IN FEET

EXISTING PROFILE

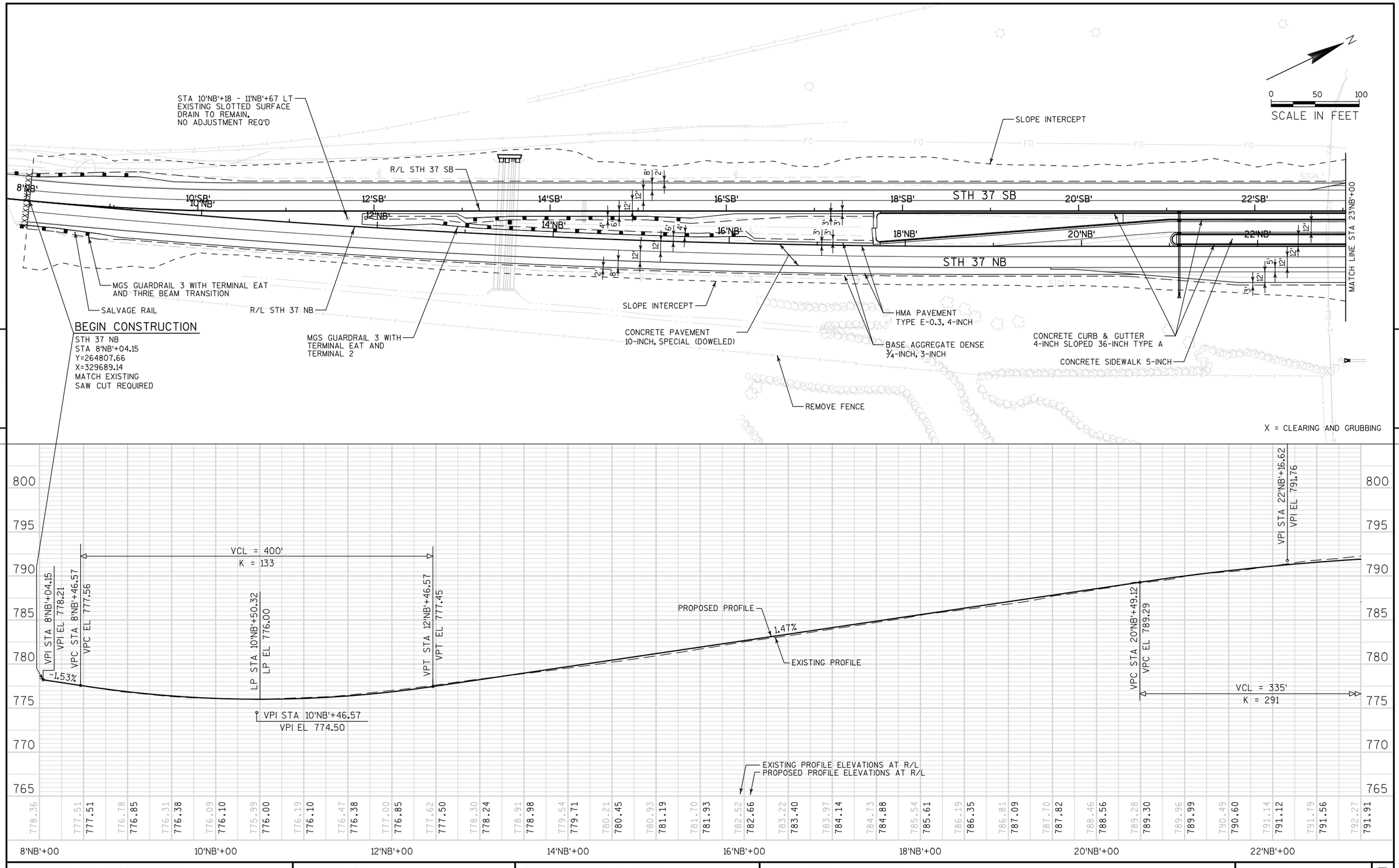
EXISTING PROFILE ELEVATIONS AT R/L

935 930 925 920 915 910 905 900

911.09 912.73 914.35 915.94 917.58 919.14 920.71 922.39 923.93 925.51 926.97 928.26 928.87

464'H'+00 466'H'+00 468'H'+00 470'H'+00 472'H'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	PLAN AND PROFILES PLAN AND PROFILES - RAMP 'H'	SHEET 482	E



PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	PLAN AND PROFILES - STH 37 NB	SHEET 483 E

FILE NAME : CH_0803_050161_pp.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT NAME : PLOT SCALE : 100:1

WISDOT/CADDS SHEET 40

BENCH MARKS

NO.	STATION	DESCRIPTION	ELEV.
1825	265'D'+20,RT	SW PARAPET B-18-25-66	817.27
1826	267'A'+24,LT	819-92	820.04

NOTE: ELECTRICAL WIRING WORK FROM THE DOT CABINET TO THE CLOSURE GATE POWER SUPPLY CABINET WILL BE COMPLETED BY STATE FORCES. COORDINATE WITH WISDOT NW REGION ELECTRICAL PERSONNEL @ 716-839-3787.

0 50 100
SCALE IN FEET

JOPKE RD
MATCH LINE STA 23'NB+00
MATCH LINE STA 38'NB+00
IH 94 EB
IH 94 WB
STH 37 SB
STH 37 NB
RAMP 'C'
RAMP 'D'
RAMP 'A'
RAMP 'B'
R/L RAMP 'D'
R/L RAMP 'A'
R/L STH 37 SB
R/L STH 37 NB
R/L IH 94 WB
R/L IH 94 EB
R/L RAMP 'C'
R/L RAMP 'B'
SLOPE INTERCEPT
STEEL THRIE BEAM BULLNOSE TERMINAL, STEEL THRIE BEAM AND STEEL THRIE BEAM STRUCTURE APPROACH
STRUCTURE B-18-25 (WIDEN/STRENGTHEN)
STRUCTURE B-18-26 (TO REMAIN/STRENGTHEN)
BM 1825
BM 1826
REMOVE MANHOLE
REMOVING STORM SEWER (15-INCH)
CONCRETE SIDEWALK 5-INCH
REMOVE AND REINSTALL RAMP CLOSURE GATE HARDWIRED 40-FT
CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH
REMOVE FENCE
REMOVING STORM SEWER (18-INCH)
CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE A
CONCRETE PAVEMENT 10-INCH, SPECIAL (DOWELED)
REMOVE INLET
REMOVING STORM SEWER (18-INCH)
HMA PAVEMENT TYPE E-0.3, 4-INCH
BASE AGGREGATE DENSE 3/4-INCH, 3-INCH
SLOPE INTERCEPT
MGS GUARDRAIL 3 WITH TERMINAL EAT AND THRIE BEAM TRANSITION
CONCRETE BARRIER TYPE S36C
SALVAGE RAIL
CONCRETE BARRIER TYPE S36C, SPECIAL
REMOVE INLET
REMOVING APRON ENDWALLS AND REMOVING STORM SEWER (24-INCH)
CONCRETE BARRIER TYPE S36C
CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH
REMOVE AND REINSTALL RAMP CLOSURE GATE HARDWIRED 40-FT
SLOPE INTERCEPT
REMOVING SMALL PIPE CULVERT
CONCRETE SIDEWALK 5-INCH
X = CLEARING AND GRUBBING

24'SB' 26'SB' 28'SB' 30'SB' 32'SB' 34'SB' 36'SB' 38'SB'
24'NB' 26'NB' 28'NB' 30'NB' 32'NB' 34'NB' 36'NB' 38'NB'

278'D' 264'D' 264'EB' 264'WB' 264'A' 264'B' 266'D' 266'EB' 266'WB' 266'A' 268'D' 268'EB' 268'WB' 268'A'

5' 12' 8' 2' 3'

15' 2.982

STA 29'NB'+98.23
STRUCTURE B-18-25
WIDEN/STRENGTHEN
4-SPAN 36" PRESTRESSED GIRDERS
47.7 FT TO 53.6 FT
CLEAR ROADWAY WIDTH
SKEW 3.7° LHF

16'-8" MIN INTERIM CLEARANCE
17'-3" MIN CLEARANCE
15'-8" MIN INTERIM CLEARANCE
16'-3" MIN CLEARANCE

STA 30'NB'+58.22
STRUCTURE B-18-26
TO REMAIN/STRENGTHEN
4-SPAN 36" PRESTRESSED GIRDERS
50 FT TO 53.8 FT
CLEAR ROADWAY WIDTH
SKEW 3.7° LHF

VPT STA 23'NB'+84.12
VPT EL 792.30
VPC STA 32'NB'+00.00
VPC EL 794.95
VPI STA 36'NB'+00.00
VPI EL 796.25

VCL = 335'
K = 291
VCL = 800'
K = 822

EXISTING PROFILE
PROPOSED PROFILE
0.32% 4.10% 1.22% 1.16% 4.94% 0.12% 0.76% 0.90% 0.78% 0.80% -6.41% 3.78%
SPECIAL DITCH RIGHT
SPECIAL DITCH RIGHT
SPECIAL DITCH RIGHT

EXISTING PROFILE ELEVATIONS AT R/L
PROPOSED PROFILE ELEVATIONS AT R/L

| | | |

BENCH MARKS

NO.	STATION	DESCRIPTION	ELEV.
25	39'NB'+15,LT	TOP SE BOLT OF MEDIAN SIGN BRIDGE,	804.22
		S 18-19,STH 37/85, N OF I94	

N

0 50 100
SCALE IN FEET

CONCRETE CURB & GUTTER
4-INCH SLOPED 36-INCH TYPE A

SLOPE INTERCEPT

REGRADE DITCH

R/L STH 37 SB

BASE AGGREGATE DENSE ¾-INCH, 3-INCH

MATCH LINE STA 38'NB'+00

BM 25

STH 37 SB

STH 37 NB

+00.00
0.00' LT

STEEL THRIE BEAM BULLNOSE
TERMINAL AND STEEL THRIE BEAM

SALVAGE RAIL

HMA PAVEMENT
TYPE E-0.3, 4-INCH

BASE AGGREGATE DENSE
¾-INCH, 3-INCH

CONCRETE PAVEMENT
10-INCH, SPECIAL (DOWELED)

SLOPE INTERCEPT

R/L STH 37 NB

EXISTING PAVEMENT
TO REMAIN

HMA PAVEMENT TYPE E-0.3,
4-INCH AND PREPARE FOUNDATION
FOR ASPHALTIC SHOULDERS

END CONSTRUCTION
STH 37 NB
STA 46'NB'+00.00
Y=268207.19
X=331374.94
MATCH EXISTING
SAW CUT REQUIRED

X = CLEARING AND GRUBBING

VCL = 800'
K = 1375

VPT STA 40'NB'+00.00
VPT EL 801.43

PROPOSED PROFILE

EXISTING PROFILE

EXISTING PROFILE ELEVATIONS AT R/L
PROPOSED PROFILE ELEVATIONS AT R/L

38'NB'+00	40'NB'+00	42'NB'+00	44'NB'+00	46'NB'+00	48'NB'+00	50'NB'+00	52'NB'+00
799.81	800.22	800.53	800.95	801.43	801.95	802.54	803.17
799.08	799.63	800.20	800.80	801.43			

803.88	804.65	805.47	806.35	807.34	808.36	809.46	810.58	811.76	813.03	814.28	815.51	816.75

PROJECT NO:1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	PLAN AND PROFILES - STH 37 NB	SHEET 485	E

FILE NAME : CH_0803_050163_pp.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT NAME : PLOT SCALE : 100:1

WISDOT/CADDS SHEET 40

BEGIN CONSTRUCTION
STH 37 SB
STA 8'SB'+08.63
Y=264807.66
X=329689.14
MATCH EXISTING
SAW CUT REQUIRED

SALVAGE RAIL
MGS GUARDRAIL 3 WITH TERMINAL EAT AND THRIE BEAM TRANSITION
REMOVE FENCE
REMOVING MASONRY
R/L STH 37 SB
MGS GUARDRAIL 3 WITH TERMINAL EAT AND TERMINAL 2
CONCRETE PAVEMENT 10-INCH, SPECIAL (DOWELED)
BASE AGGREGATE DENSE 3/4-INCH, 3-INCH
HMA PAVEMENT TYPE E-0.3, 4-INCH
CONCRETE SIDEWALK 5-INCH
CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE A
SLOPE INTERCEPT
SCALE IN FEET
STH 37 SB
STH 37 NB
R/L STH 37 NB
SALVAGE RAIL
SLOPE INTERCEPT
MATCH LINE STA 23'NB'+00

X = CLEARING AND GRUBBING

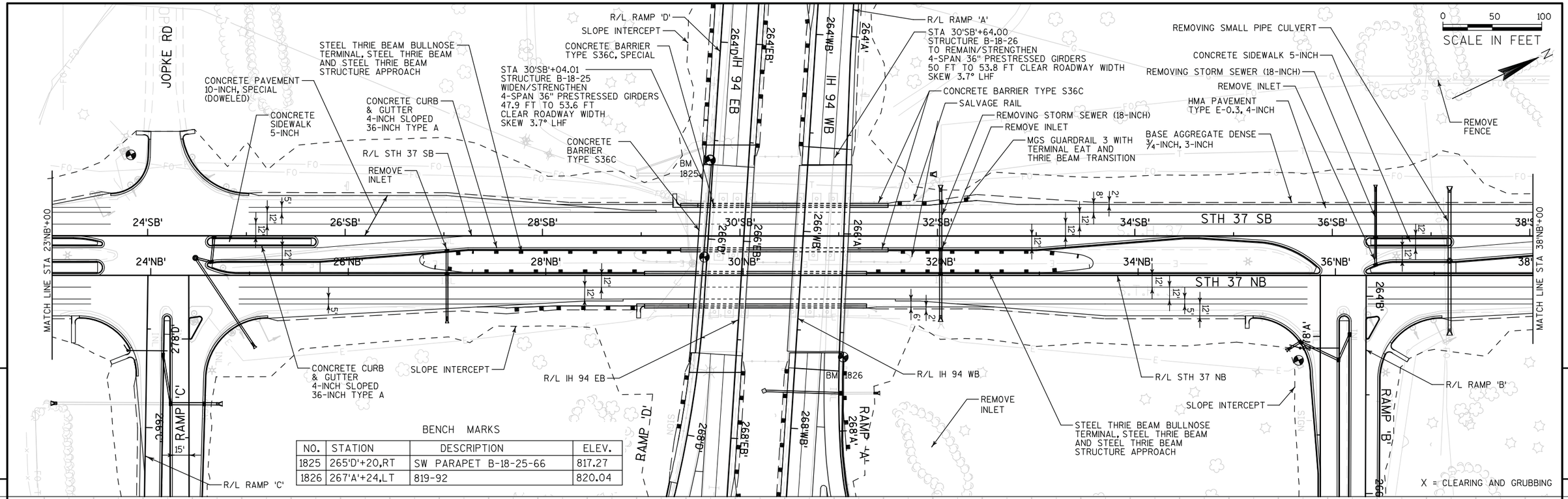
VPI STA 8'SB'+08.63
VPI EL 778.22
VPC STA 8'SB'+47.80
VPC EL 777.61
-1.55%
VCL = 400'
K = 132
LP STA 10'SB'+52.90
LP EL 776.02
VPT STA 12'SB'+47.80
VPT EL 777.45
VPI STA 10'SB'+47.80
VPI EL 774.50
PROPOSED PROFILE
1.48%
EXISTING PROFILE
VPC STA 20'SB'+35.05
VPC EL 789.07
VCL = 350'
K = 316
VPI STA 22'SB'+10.05
VPI EL 791.65
EXISTING PROFILE ELEVATIONS AT R/L
PROPOSED PROFILE ELEVATIONS AT R/L

8'SB'+00	10'SB'+00	12'SB'+00	14'SB'+00	16'SB'+00	18'SB'+00	20'SB'+00	22'SB'+00
777.58 / 777.57	776.80 / 776.90	776.23 / 776.42	775.93 / 776.12	775.93 / 776.02	776.13 / 776.10	776.40 / 776.37	776.93 / 776.84
777.56 / 777.49	778.24 / 778.22	778.96 / 778.96	779.70 / 779.70	780.44 / 780.44	781.11 / 781.18	781.81 / 781.91	782.53 / 782.65
783.19 / 783.39	783.93 / 784.13	784.69 / 784.86	785.31 / 785.60	786.07 / 786.34	786.93 / 787.08	787.63 / 787.82	788.39 / 788.55
789.15 / 789.29	789.92 / 789.96	790.49 / 790.56	791.08 / 791.07	791.57 / 791.51	792.04 / 791.87		

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	PLAN AND PROFILES - STH 37 SB	SHEET 486	E

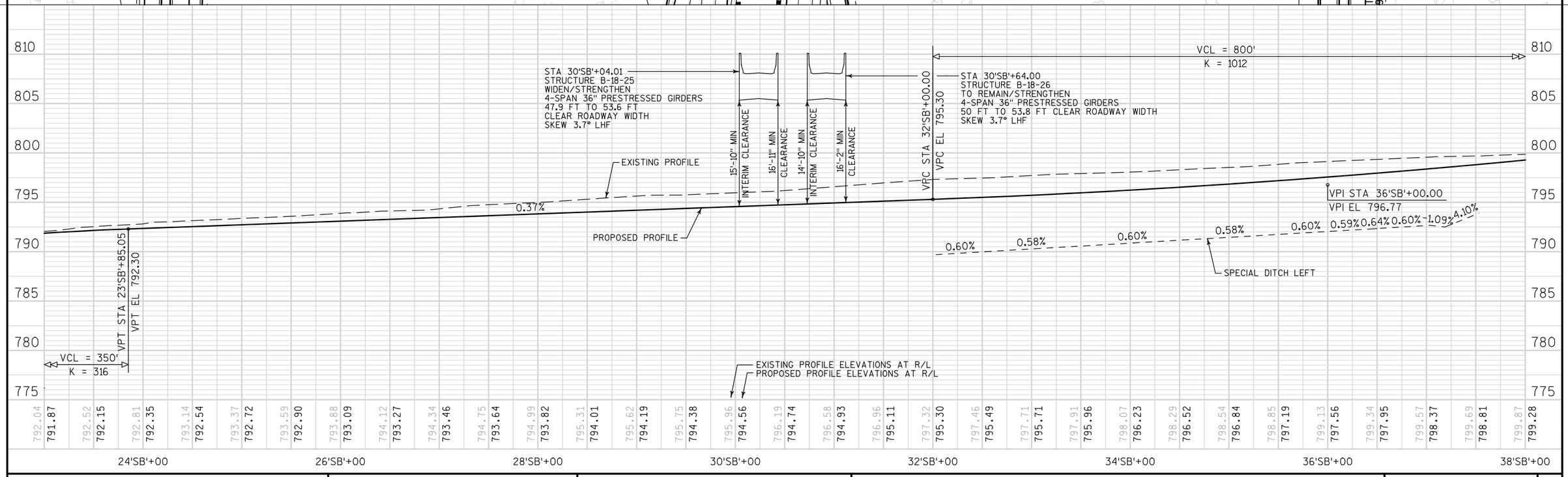
FILE NAME : CH_0803_050164_pp.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT NAME : PLOT SCALE : 100:1

WISDOT/CADDS SHEET 40



BENCH MARKS

NO.	STATION	DESCRIPTION	ELEV.
1825	265'D'+20,RT	SW PARAPET B-18-25-66	817.27
1826	267'A'+24,LT	819-92	820.04



PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	PLAN AND PROFILES - STH 37 SB	SHEET 487 E

BENCH MARKS

NO.	STATION	DESCRIPTION	ELEV.
25	39'NB'+15,LT	TOP SE BOLT OF MEDIAN SIGN BRIDGE,	804.22
		S 18-19,STH 37/85, N OF 194	

REMOVE FENCE

CONCRETE PAVEMENT
10-INCH, SPECIAL (DOWELED)

BASE AGGREGATE DENSE
¾-INCH, 3-INCH

HMA PAVEMENT
TYPE E-0.3, 4-INCH

SLOPE INTERCEPT
+48.10
34.00' RT

MGS GUARDRAIL 3 WITH
TERMINAL EAT
AND TERMINAL 2

HMA PAVEMENT TYPE E-0.3,
4-INCH AND PREPARE FOUNDATION
FOR ASPHALTIC SHOULDERS

EXISTING PAVEMENT
TO REMAIN

END CONSTRUCTION
STH 37 SB
STA 46'SB'+00.00
Y=268221.57
X=331337.48
MATCH EXISTING
SAW CUT REQUIRED

BASE AGGREGATE DENSE
¾-INCH, 3-INCH

R/L STH 37 SB

MATCH LINE STA 38'NB'+00

BM 25

+00.00
0.00' RT

STH 37 SB

STH 37 NB

R/L STH 37 NB

REGRADE DITCH

STEEL THRIE BEAM
BULLNOSE TERMINAL
AND STEEL THRIE BEAM

SALVAGE RAIL

CONCRETE CURB
& GUTTER
4-INCH SLOPED
36-INCH TYPE A

SLOPE INTERCEPT

X = CLEARING AND GRUBBING

N

0 50 100
SCALE IN FEET

VCL = 800'
K = 1012

VPT STA 40'SB'+00.00
VPT EL 801.40

PROPOSED PROFILE

EXISTING PROFILE

EXISTING PROFILE ELEVATIONS AT R/L
PROPOSED PROFILE ELEVATIONS AT R/L

799.87	799.28	800.21	799.78	800.53	800.29	800.94	800.84	801.40	801.40	801.92	802.48	803.13	803.82	804.57	805.39	806.29	807.25	808.28	809.35	810.45	811.62	812.90	814.17	815.45	816.67

38'SB'+00 40'SB'+00 42'SB'+00 44'SB'+00 46'SB'+00 48'SB'+00 50'SB'+00 52'SB'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	PLAN AND PROFILES - STH 37 SB	SHEET 488	E

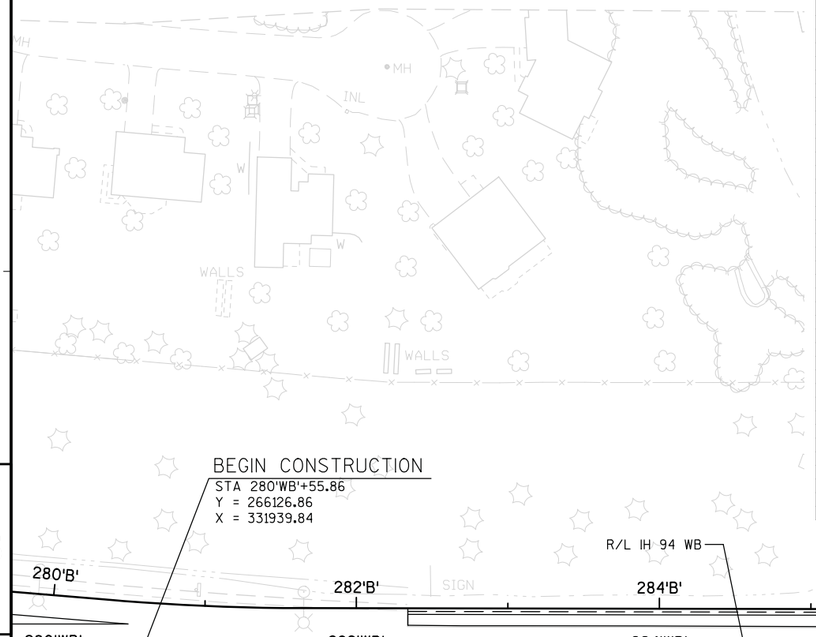
FILE NAME : CH_0803_050166_pp.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT NAME : PLOT SCALE : 100:1

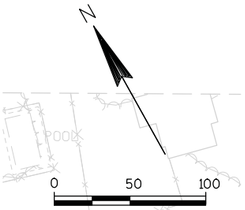
WISDOT/CADDS SHEET 40

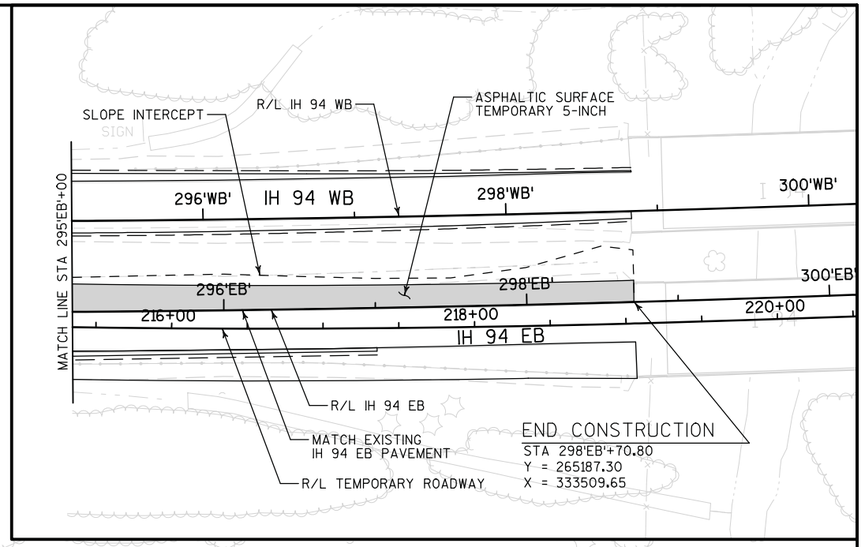
TEMPORARY PAVEMENT ELEVATION TABLE

STATION	ELEVATION AT LEFT EOP	CROSS SLOPE	ELEVATION AT BREAKLINE	CROSS SLOPE	ELEVATION AT LEFT EOP
280'EB'+50	831.01	-	-	-0.020	830.92
281'EB'+00	830.98	-	-	-0.020	830.89
281'EB'+50	830.93	-	-	-0.020	830.82
282'EB'+00	830.83	-	-	-0.020	830.72
282'EB'+50	830.70	-	-	-0.020	830.57
283'EB'+00	830.54	-	-	-0.020	830.38
283'EB'+50	830.34	-	-	-0.020	830.15
284'EB'+00	830.11	-	-	-0.020	829.87
284'EB'+50	829.84	-	-	-0.020	829.56
285'EB'+00	829.53	-	-	-0.020	829.21
285'EB'+50	829.20	-	-	-0.020	828.83
286'EB'+00	828.87	-	-	-0.020	828.43
286'EB'+50	828.54	-	-	-0.020	828.04
287'EB'+00	828.21	-	-	-0.015	827.78
287'EB'+50	827.88	0.109	827.92	-0.008	827.47
288'EB'+00	827.57	0.013	827.60	-0.015	826.76
288'EB'+50	827.21	-0.035	826.93	-0.020	825.88
289'EB'+00	826.88	-0.063	826.13	-0.020	825.16
289'EB'+50	826.55	-0.075	826.36	-0.020	824.47
290'EB'+00	826.22	-0.086	824.52	-0.020	823.71
290'EB'+50	825.89	-0.082	823.94	-0.020	823.21
291'EB'+00	823.16	-	-	-0.020	822.49
291'EB'+50	822.25	-	-	-0.015	821.80
292'EB'+00	821.21	-	-	-0.010	820.93
292'EB'+50	820.33	-	-	-0.005	820.20
293'EB'+00	819.64	-	-	0.000	819.64
293'EB'+50	819.04	-	-	0.005	819.15
294'EB'+00	818.52	-	-	0.010	818.72
294'EB'+50	818.08	-	-	0.015	818.37
295'EB'+00	817.81	-	-	0.020	818.18
295'EB'+50	817.70	-	-	0.020	818.05
296'EB'+00	817.68	-	-	0.020	818.01
296'EB'+50	817.83	-	-	0.020	818.15
297'EB'+00	818.02	-	-	0.020	818.33
297'EB'+50	818.24	-	-	0.020	818.54
298'EB'+00	818.63	-	-	0.020	818.91
298'EB'+50	819.10	-	-	0.020	819.63

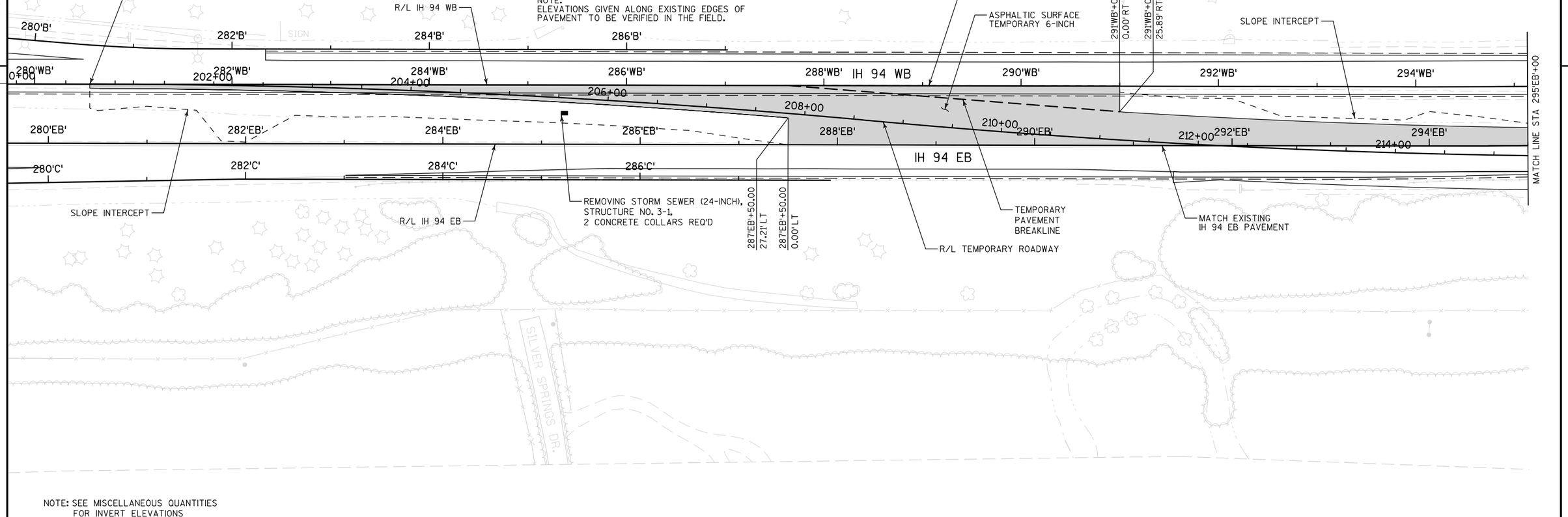
NOTE:
ELEVATIONS GIVEN ALONG EXISTING EDGES OF PAVEMENT TO BE VERIFIED IN THE FIELD.







BEGIN CONSTRUCTION
STA 280'WB'+55.86
Y = 266126.86
X = 331939.84



NOTE: SEE MISCELLANEOUS QUANTITIES FOR INVERT ELEVATIONS

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	PLAN TEMPORARY CROSSOVER EAST OF STH 37	SHEET 489	E

TEMPORARY PAVEMENT ELEVATION TABLE

STATION	ELEVATION AT LEFT EOP	CROSS SLOPE	ELEVATION AT RIGHT EOP
375'EB'+50	945.72	0.047	945.81
376'EB'+00	945.34	0.047	945.44
376'EB'+50	944.91	0.047	945.03
377'EB'+00	944.40	0.047	944.55
377'EB'+50	943.72	0.047	943.92
378'EB'+00	942.92	0.047	943.17
378'EB'+50	942.02	0.047	942.34
379'EB'+00	941.01	0.047	941.40
379'EB'+50	939.91	0.047	940.39
380'EB'+00	938.67	0.047	939.25
380'EB'+50	937.42	0.047	938.10
381'EB'+00	936.11	0.047	936.91
381'EB'+50	934.61	0.047	935.54
382'EB'+00	932.94	0.047	934.02
382'EB'+50	931.23	0.047	932.45
383'EB'+00	929.47	0.047	930.86
383'EB'+50	927.60	0.047	929.17
384'EB'+00	925.89	0.047	927.64
384'EB'+50	923.04	0.047	924.68
385'EB'+00	921.57	0.047	923.00
385'EB'+50	919.95	0.047	921.16
386'EB'+00	918.41	0.047	919.40
386'EB'+50	916.88	0.047	917.65
387'EB'+00	915.35	0.047	915.94
387'EB'+50	913.89	0.047	914.31
388'EB'+00	912.51	0.047	912.80
388'EB'+50	911.03	0.047	911.22
389'EB'+00	909.45	0.047	909.62
389'EB'+50	907.87	0.047	908.05

NOTE:
ELEVATIONS GIVEN ALONG EXISTING EDGES OF PAVEMENT TO BE VERIFIED IN THE FIELD.

N

0 50 100
SCALE IN FEET

SEPTIC

5

5

IH 94 WB

IH 94 EB

376'WB' 378'WB' 380'WB' 382'WB' 384'WB' 386'WB' 388'WB' 390'WB'

296+00 298+00 300+00 302+00 304+00 306+00 308+00 310+00

376'EB' 378'EB' 380'EB' 382'EB' 384'EB' 386'EB' 388'EB' 390'EB'

140+00 142+00 144+00 146+00 148+00 150+00 152+00 154+00

BEGIN CONSTRUCTION
STA 375'EB'+34.96
Y = 262044.66
X = 340436.22

END CONSTRUCTION
STA 389'WB'+58.74
Y = 261942.20
X = 341858.96

SLOPE INTERCEPT

MATCH EXISTING
IH 94 EB PAVEMENT

R/L IH 94 EB

R/L IH 94 WB

R/L TEMPORARY
ROADWAY

BASE AGGREGATE DENSE
1¼-INCH

STRUCTURE
NO. 1-1

STRUCTURE
NO. 1-2

384'WB'+30.02
19.34' RT

384'WB'+28.52
1.78' RT

MATCH EXISTING
IH 94 WB PAVEMENT

ASPHALTIC SURFACE
TEMPORARY 6-INCH

SLOPE INTERCEPT

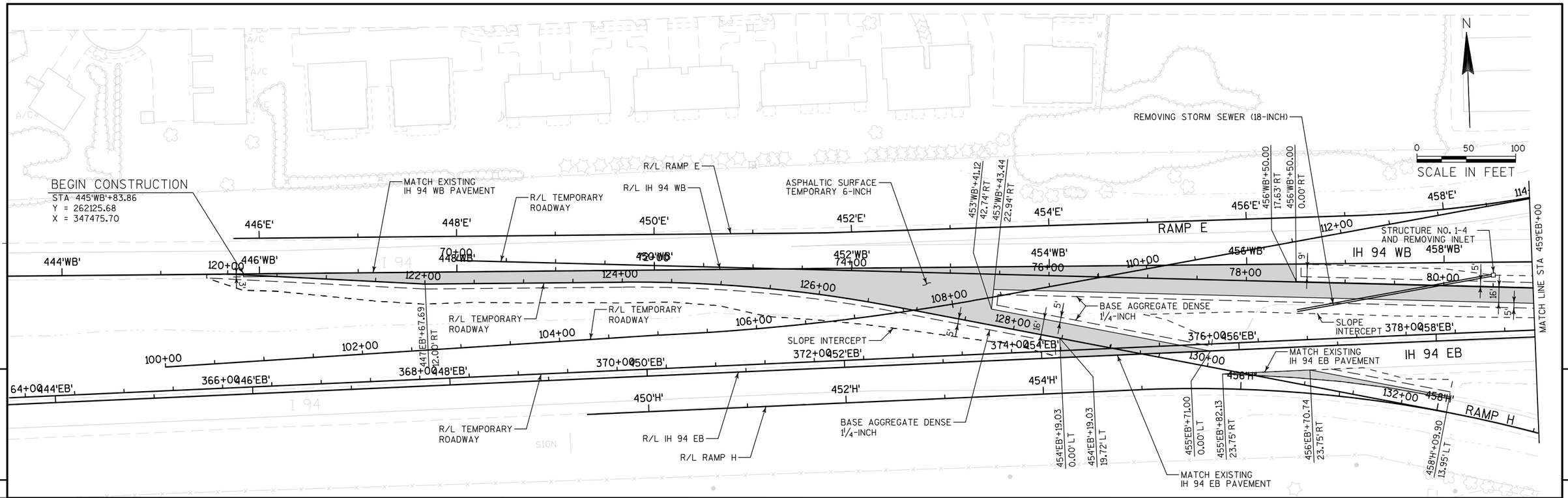
384'EB'+07.29
1.62' LT

384'EB'+06.35
21.58' LT

REMOVING STORM SEWER (18-INCH)

NOTE: SEE MISCELLANEOUS QUANTITIES
FOR INVERT ELEVATIONS

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	PLAN TEMPORARY CROSSOVER EAST OF CTH F	SHEET 490	E



NOTE: SEE MISCELLANEOUS QUANTITIES FOR INVERT ELEVATIONS

TEMPORARY PAVEMENT ELEVATION TABLE

STATION	ELEVATION AT LEFT EOP	CROSS SLOPE	ELEVATION AT RIGHT EOP
CROSSOVER WEST OF STH 93			
75+50	891.50	-0.003	891.43
76+00	891.62	-0.008	891.43
76+50	891.92	-0.013	891.58
77+00	892.23	-0.018	891.73
77+50	892.51	-0.020	891.91
78+00	892.76	-0.020	892.12
78+50	892.95	-0.020	892.34
79+00	892.95	-0.020	892.63
79+50	893.25	-0.020	892.93
80+00	892.54	-0.020	892.22
80+50	893.83	-0.020	893.51
81+00	894.30	-0.020	893.98
81+50	894.77	-0.020	894.45
82+00	895.24	-0.020	894.92
82+50	895.71	-0.020	895.39
83+00	896.21	-0.020	895.46
83+50	896.85	-0.020	896.15
84+00	897.48	-0.020	896.85
84+50	898.12	-0.020	897.54
85+00	898.76	-0.020	898.23
85+50	899.58	-0.020	899.11
86+00	900.41	-0.020	899.99
86+50	891.27	-0.020	900.90
87+00	902.13	-0.020	901.80
87+50	903.10	-0.020	902.82
88+00	904.06	-0.020	903.83
88+50	905.09	-0.020	904.89
89+00	906.11	-0.020	905.96
89+50	907.27	-0.020	907.16
90+00	908.43	-0.020	908.36
90+50	909.75	-0.020	909.69

NOTE:
ELEVATIONS GIVEN ALONG EXISTING EDGES OF PAVEMENT TO BE VERIFIED IN THE FIELD.

TEMPORARY PAVEMENT ELEVATION TABLE

STATION	ELEVATION AT LEFT EOP	CROSS SLOPE	ELEVATION AT RIGHT EOP
RAMP H CROSSOVER			
120+50	887.92	0.020	887.86
121+00	888.18	0.020	888.06
121+50	888.44	0.020	888.26
122+00	888.70	0.020	888.46
122+50	888.89	0.020	888.65
123+00	889.09	0.020	888.85
123+50	889.36	0.020	889.12
124+00	889.63	0.020	889.39
124+50	889.91	0.020	889.65
125+00	890.12	0.020	889.81
125+50	890.37	0.020	889.97
126+00	890.67	0.020	890.14
126+50	890.95	0.015	890.43
127+00	891.16	0.010	890.72
127+50	891.28	0.005	891.00
128+00	891.38	0.000	891.38
128+50	891.83	-0.005	891.71
129+00	892.29	-0.010	892.05
129+50	892.64	-0.008	892.55
130+00	-	-	892.60
130+50	892.64	-0.023	892.57
131+00	892.98	-0.026	892.76
131+50	893.13	-0.039	892.95
132+00	893.38	-0.049	893.26

NOTE:
ELEVATIONS GIVEN ALONG EXISTING EDGES OF PAVEMENT TO BE VERIFIED IN THE FIELD.

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	PLAN TEMP CROSSOVER WEST OF STH 93 AND RAMP 'H' CROSSOVER	SHEET 491	E

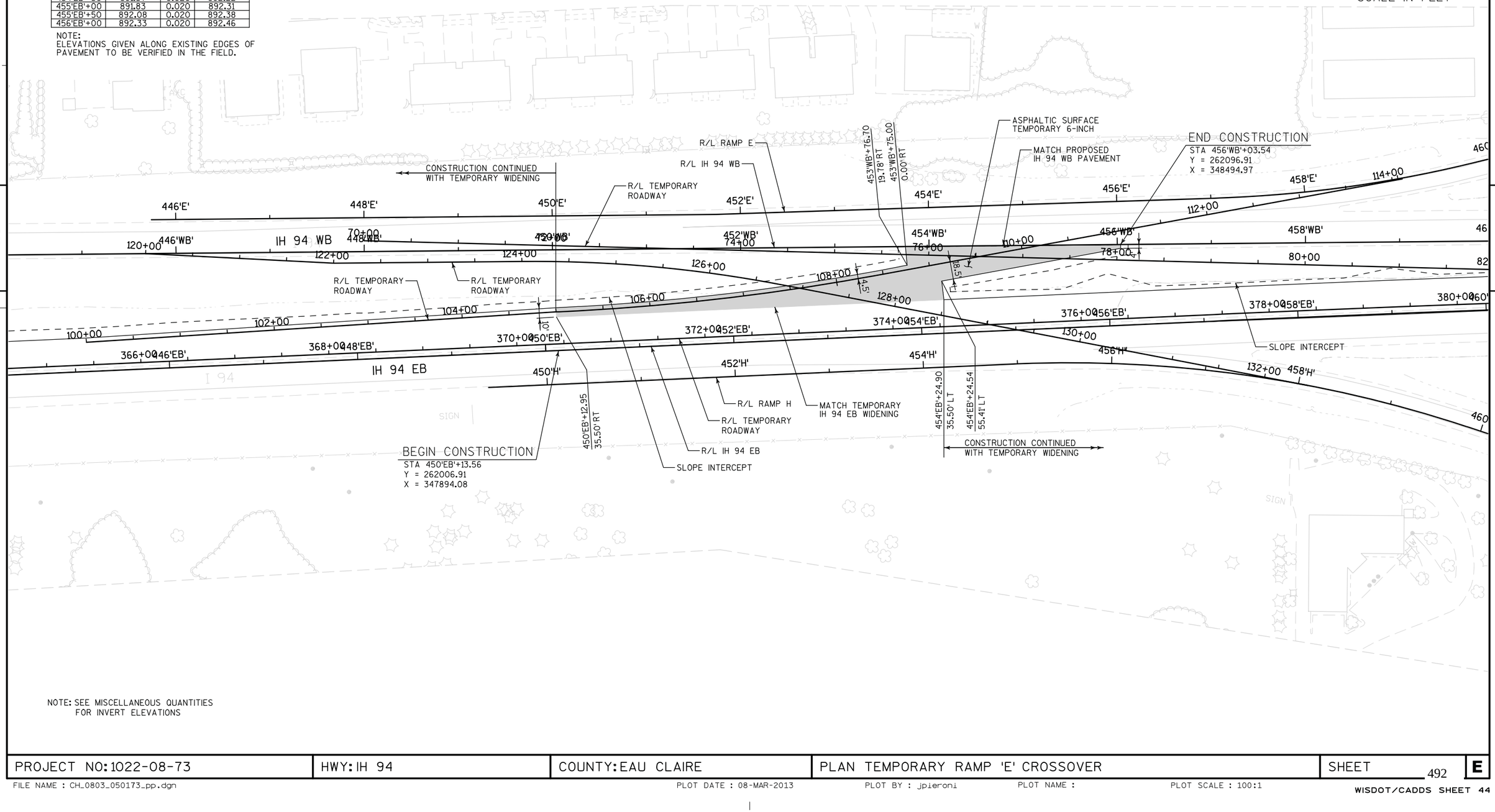
TEMPORARY PAVEMENT ELEVATION TABLE

STATION	ELEVATION AT LEFT EOP	CROSS SLOPE	ELEVATION AT RIGHT EOP
450'EB'+50	888.70	0.020	888.91
451'EB'+00	888.93	0.020	889.16
451'EB'+50	889.12	0.020	889.40
452'EB'+00	889.30	0.020	889.64
452'EB'+50	889.46	0.020	889.89
453'EB'+00	889.60	0.020	890.13
453'EB'+50	889.71	0.020	890.37
454'EB'+00	891.57	0.016	890.62
454'EB'+50	891.57	0.020	892.22
455'EB'+00	891.83	0.020	892.31
455'EB'+50	892.08	0.020	892.38
456'EB'+00	892.33	0.020	892.46

NOTE:
ELEVATIONS GIVEN ALONG EXISTING EDGES OF PAVEMENT TO BE VERIFIED IN THE FIELD.

N

0 50 100
SCALE IN FEET



NOTE: SEE MISCELLANEOUS QUANTITIES FOR INVERT ELEVATIONS

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	PLAN TEMPORARY RAMP 'E' CROSSOVER	SHEET 492	E

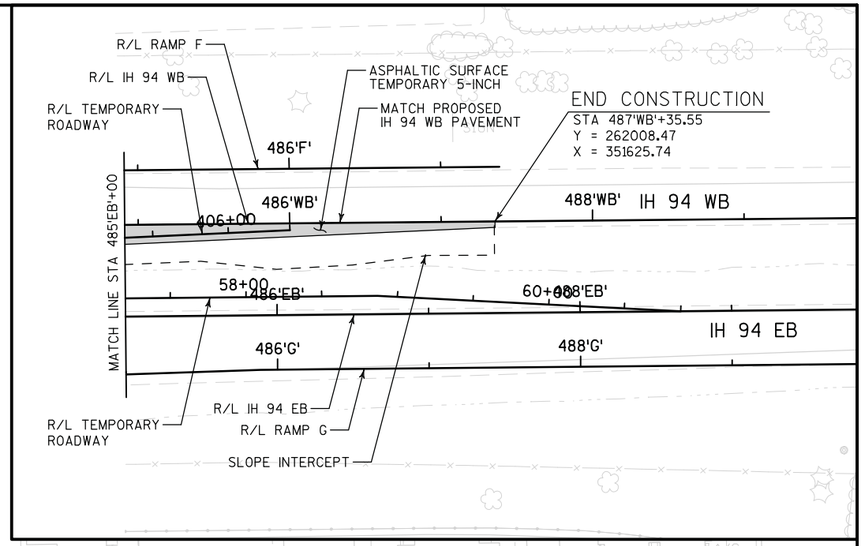
FILE NAME : CH_0803_050173_pp.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT NAME : PLOT SCALE : 100:1

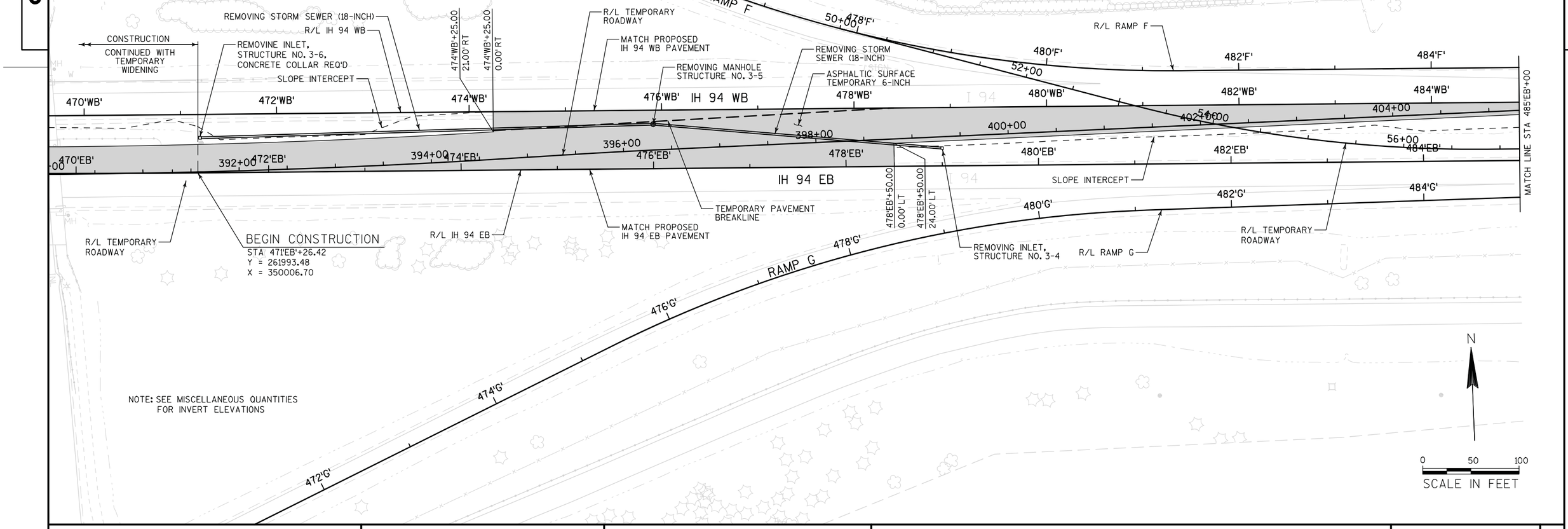
WISDOT/CADDS SHEET 44

TEMPORARY PAVEMENT ELEVATION TABLE

STATION	ELEVATION AT LEFT EOP	CROSS SLOPE	ELEVATION AT BREAKLINE	CROSS SLOPE	ELEVATION AT RIGHT EOP
471'EB'+50	916.71	-	-	0.020	917.31
472'EB'+00	918.06	-	-	0.020	918.68
472'EB'+50	919.41	-	-	0.020	920.06
473'EB'+00	920.76	-	-	0.020	921.44
473'EB'+50	922.10	-	-	0.020	922.81
474'EB'+00	923.43	-	-	0.020	924.19
474'EB'+50	925.30	-0.029	924.74	0.020	925.57
475'EB'+00	926.68	-0.033	926.09	0.020	926.94
475'EB'+50	928.07	-0.037	927.45	0.020	928.32
476'EB'+00	929.45	-0.042	928.80	0.020	929.70
476'EB'+50	930.84	-0.047	930.15	0.020	931.08
477'EB'+00	932.22	-0.054	931.50	0.020	932.45
477'EB'+50	933.60	-0.062	932.86	0.020	933.83
478'EB'+00	934.99	-0.072	934.21	0.020	935.21
478'EB'+50	936.37	-0.084	935.56	0.020	936.58
479'EB'+00	937.76	-	-	0.015	937.28
479'EB'+50	939.14	-	-	0.010	939.47
480'EB'+00	940.52	-	-	0.005	940.68
480'EB'+50	941.91	-	-	0.000	941.91
481'EB'+00	943.29	-	-	-0.005	943.16
481'EB'+50	944.68	-	-	-0.010	944.42
482'EB'+00	946.06	-	-	-0.015	945.70
482'EB'+50	947.45	-	-	-0.020	947.00
484'EB'+00	948.83	-	-	-0.020	948.42
484'EB'+50	950.21	-	-	-0.020	949.85
484'EB'+00	951.60	-	-	-0.020	951.27
484'EB'+50	952.98	-	-	-0.020	952.69
485'EB'+00	954.37	-	-	-0.020	954.11
485'EB'+50	955.75	-	-	-0.020	955.53
486'EB'+00	957.13	-	-	-0.020	956.95
486'EB'+50	958.52	-	-	-0.020	958.37
487'EB'+00	959.90	-	-	-0.020	959.79

NOTE:
ELEVATIONS GIVEN ALONG EXISTING EDGES OF PAVEMENT TO BE VERIFIED IN THE FIELD.



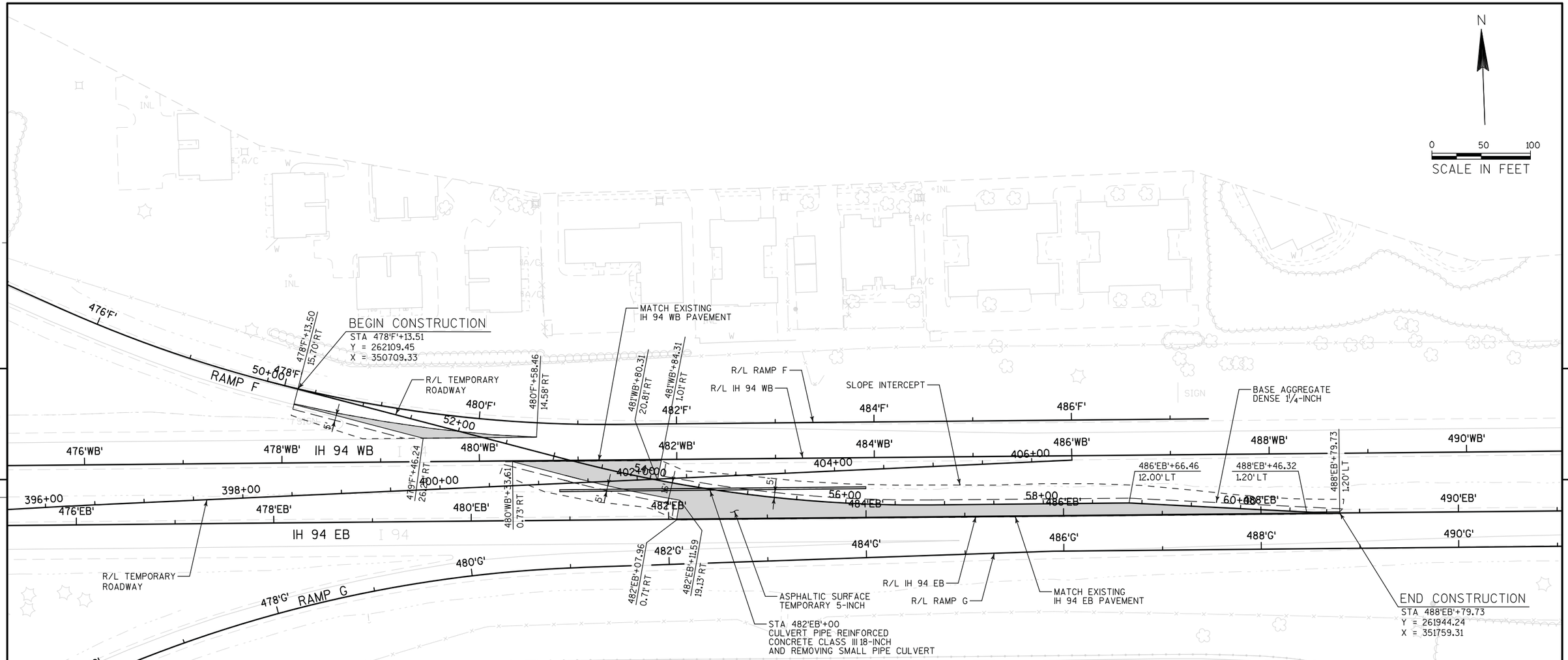


NOTE: SEE MISCELLANEOUS QUANTITIES FOR INVERT ELEVATIONS

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	PLAN TEMPORARY CROSSOVER EAST OF STH 93	SHEET 493	E

FILE NAME : CH_0803_050174_pp.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT NAME : PLOT SCALE : 100:1

WISDOT/CADDS SHEET 44



TEMPORARY PAVEMENT ELEVATION TABLE

STATION	ELEVATION AT LEFT EOP	CROSS SLOPE	ELEVATION AT RIGHT EOP
50+50	935.78	0.050	935.81
51+00	937.17	0.040	937.30
51+50	938.71	0.030	938.80
52+00	940.22	0.020	940.23
53+00	943.34	0.020	943.60
53+50	944.79	0.010	944.95
54+00	946.20	0.000	946.20
54+50	947.60	-0.010	947.27
55+00	948.99	-0.020	948.48
55+50	950.39	-0.020	950.00
56+00	951.78	-0.020	951.47
56+50	953.17	-0.020	952.91
57+00	954.56	-0.020	954.31
57+50	955.96	-0.020	955.70
58+00	957.35	-0.020	957.09
58+50	950.79	-0.020	958.53
59+50	960.19	-0.020	959.95
60+00	962.82	-0.020	962.70
60+50	964.14	-0.020	964.08

NOTE:
ELEVATIONS GIVEN ALONG EXISTING EDGES OF PAVEMENT TO BE VERIFIED IN THE FIELD.

NOTE: SEE MISCELLANEOUS QUANTITIES FOR INVERT ELEVATIONS

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	PLAN TEMPORARY RAMP 'F' CROSSOVER	SHEET 494	E

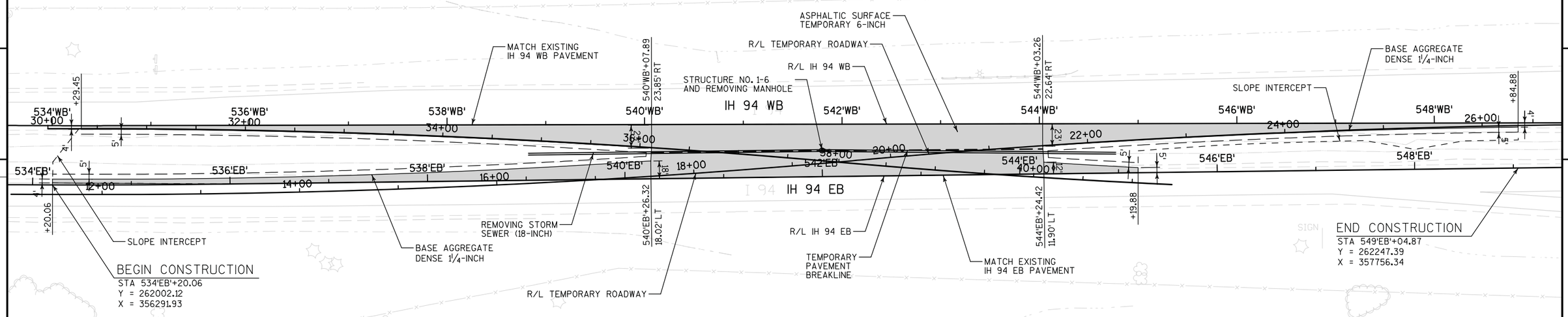
TEMPORARY PAVEMENT ELEVATION TABLE

STATION	ELEVATION AT LEFT EOP	CROSS SLOPE	ELEVATION AT RIGHT EOP
FOR PAVEMENT ADJACENT TO IH 94 WB			
534'EB'+50	964.29	0.020	964.22
535'EB'+00	962.71	0.020	962.63
535'EB'+50	961.14	0.020	961.05
536'EB'+00	959.62	0.020	959.52
536'EB'+50	958.08	0.020	957.95
537'EB'+00	956.52	0.020	956.37
537'EB'+50	955.00	0.020	954.81
538'EB'+00	953.45	0.020	953.23
538'EB'+50	951.86	0.020	951.59
539'EB'+00	950.32	0.020	950.00
539'EB'+50	948.82	0.020	948.44
540'EB'+00	947.30	0.020	946.86
544'EB'+50	933.69	0.020	933.27
545'EB'+00	932.17	0.020	931.80
545'EB+50	930.72	0.020	930.41
546'EB'+00	929.35	0.020	929.09
546'EB'+50	927.98	0.020	927.77
547'EB'+00	926.72	0.020	926.54
547'EB'+50	925.51	0.020	925.37
548'EB'+00	924.35	0.020	924.22
548'EB'+50	923.19	0.020	923.08
549'EB'+00	922.04	0.020	921.95

NOTE:
ELEVATIONS GIVEN ALONG EXISTING EDGES OF PAVEMENT TO BE VERIFIED IN THE FIELD.

N

0 50 100
SCALE IN FEET



BEGIN CONSTRUCTION
STA 534'EB'+20.06
Y = 262002.12
X = 356291.93

END CONSTRUCTION
STA 549'EB'+04.87
Y = 262247.39
X = 357756.34

TEMPORARY PAVEMENT ELEVATION TABLE

STATION	ELEVATION AT LEFT EOP	CROSS SLOPE	ELEVATION AT BREAKLINE	CROSS SLOPE	ELEVATION AT RIGHT EOP
FOR PAVEMENT ADJACENT TO IH 94 EB					
534'EB'+50	964.13	-	-	0.020	964.25
535'EB'+00	962.54	-	-	0.020	962.66
535'EB'+50	960.97	-	-	0.020	961.09
536'EB'+00	959.41	-	-	0.020	959.63
536'EB'+50	957.90	-	-	0.020	958.03
537'EB'+00	956.41	-	-	0.020	956.55
537'EB'+50	954.79	-	-	0.020	954.95
538'EB'+00	953.26	-	-	0.020	953.44
538'EB'+50	951.80	-	-	0.020	952.01
539'EB'+00	950.32	-	-	0.020	950.56
539'EB'+50	948.79	-	-	0.020	949.07
540'EB'+00	947.12	-	-	0.020	947.46
540'EB'+50	945.75	0.015	945.35	0.020	945.89
541'EB'+00	944.21	0.015	943.81	0.020	944.35
541'EB'+50	942.67	0.010	942.41	0.020	942.94
542'EB'+00	941.08	0.007	940.91	0.020	941.44
542'EB'+50	939.67	0.008	939.04	0.020	939.98
543'EB'+00	938.21	0.011	937.93	0.020	938.45
543'EB'+50	936.72	0.010	936.47	0.020	936.99
544'EB'+00	935.23	0.008	935.03	0.020	935.40
544'EB'+50	933.75	-	-	0.020	933.95
545'EB'+00	932.37	-	-	0.020	932.50

NOTE:
ELEVATIONS GIVEN ALONG EXISTING EDGES OF PAVEMENT TO BE VERIFIED IN THE FIELD.

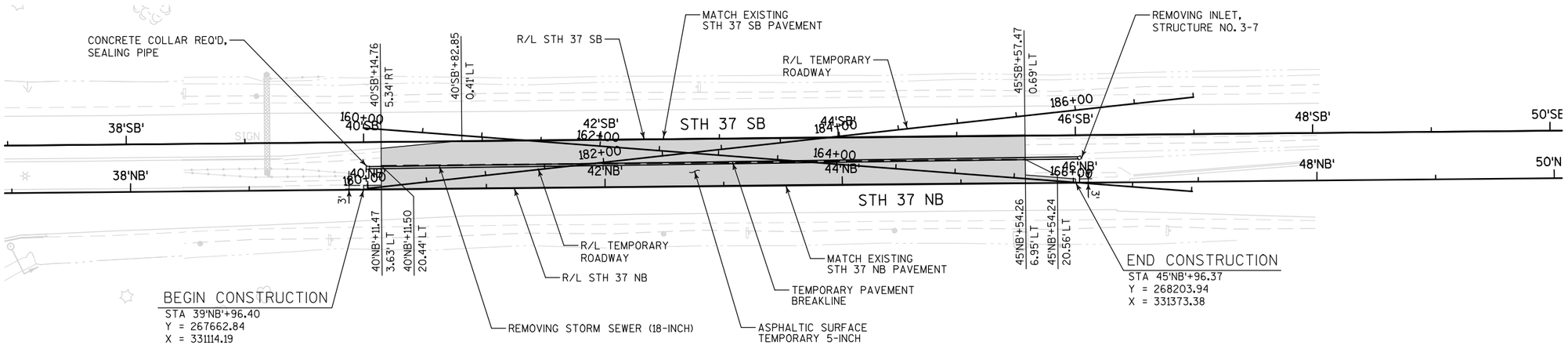
NOTE: SEE MISCELLANEOUS QUANTITIES FOR INVERT ELEVATIONS

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	PLAN TEMPORARY CROSSOVER WEST OF USH 53	SHEET 495	E

TEMPORARY PAVEMENT ELEVATION TABLE

STATION	ELEVATION AT LEFT EOP	CROSS SLOPE	ELEVATION AT BREAKLINE	CROSS SLOPE	ELEVATION AT LEFT EOP
40'NB'+00	801.47	-	-	-0.010	801.44
40'NB'+50	801.99	0.012	801.76	-0.010	801.95
41'NB'+00	802.53	-0.011	802.75	-0.010	802.55
41'NB'+50	803.18	-0.010	803.38	-0.010	803.18
42'NB'+00	803.87	-0.011	804.08	-0.010	803.88
42'NB'+50	804.63	-0.011	804.85	-0.010	804.65
43'NB'+00	805.45	-0.011	805.67	-0.010	805.47
43'NB'+50	806.36	-0.010	806.56	-0.010	806.36
44'NB'+00	807.33	-0.011	807.54	-0.010	807.34
44'NB'+50	808.36	-0.011	808.57	-0.010	808.37
45'NB'+00	809.43	-0.012	809.67	-0.010	809.47
45'NB'+50	810.54	-0.012	810.78	-0.010	810.58

NOTE:
ELEVATIONS GIVEN ALONG EXISTING EDGES OF PAVEMENT TO BE VERIFIED IN THE FIELD.



NOTE: SEE MISCELLANEOUS QUANTITIES FOR INVERT ELEVATIONS

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	PLAN TEMPORARY STH 37 CROSSOVER	SHEET 496	E

Standard Detail Drawing List

08A05-18A	INLET COVERS TYPE A, H, A-S, & H-S
08A05-18B	INLET COVERS TYPE B, B-A, C, MS, MS-A, & WM
08A05-18C	INLET COVERS TYPE F, HM, HM-S, S, T, V, HM-GJ, & HM-GJ-S
08A05-18D	INLET COVER, TYPE BW, Z MANHOLE COVERS, TYPE K, J, J-S, L & M
08B09-01	MANHOLES 3-FT, 4-FT, 5-FT, 6-FT, 7-FT AND 8-FT DIAMETER
08C07-01	INLETS 2X2-FT, 2X2.5-FT, 2X3-FT AND 2.5X3-FT
08C08-01	INLETS MEDIAN 1 AND 2 GRATE
08C09-01	INLETS MEDIAN 3 AND 4 GRATE
08D01-17	CONCRETE CURB, CONCRETE CURB AND GUTTER AND TIES
08D02-06	CONCRETE SURFACE DRAINS FLUME TYPE AT STRUCTURES
08D04-05	CONCRETE SURFACE DRAINS & ASPHALTIC FLUMES
08E08-03	TYPICAL INSTALLATIONS OF EROSION BALES / TEMPORARY DITCH CHECKS
08E09-06	SILT FENCE
08E10-02	INLET PROTECTION TYPE A, B, C AND D
08E11-02	TURBIDITY BARRIER
08F01-11	APRON ENDWALLS FOR CULVERT PIPE
08F04-07	JOINT TIES FOR CONCRETE PIPE AND CONCRETE COLLAR DETAIL
08F10-01	CONCRETE MASONRY ENDWALLS FOR CULVERT PIPE AND PIPE ARCH
09B02-07	CONDUIT
09B04-09	PULL BOX
09C02-06	CONCRETE BASES, TYPES 1, 2 & 5
09C03-03	TRANSFORMER/PEDESTAL BASES
09C05-07	CONCRETE CONTROL CABINET BASES
09C06-05	CONCRETE CONTROL CABINET BASE, TYPE 9, SPECIAL
09C11-02	CONCRETE BASE TYPE 10
09C12-02A	CONCRETE BASE TYPE 13
09C12-02B	CONCRETE BASE TYPE 13
09C13-01	CONCRETE BASE TYPE 10 & TYPE 13 EXTENSION
09D01-04	CABINET SERVICE INSTALLATION (METER BREAKER PEDESTAL)
09D02-02	SIGNAL OR LIGHTING CONTROL CABINET
09E01-11B	POLE MOUNTINGS FOR TRAFFIC SIGNALS AND LIGHTING UNITS, TYPE 3 (HEAVY DUTY)
09E01-11D	POLE MOUNTINGS FOR LIGHTING UNITS, TYPE 5 (30 FEET)
09E01-11G	HARDWARE DETAILS FOR POLE MOUNTINGS
09E03-04	NON-FREEWAY LIGHTING UNIT POLE WIRING
09E05-05	TRAFFIC SIGNAL STANDARD ORNAMENTAL BRACKET MOUNTINGS TYPICAL FOR 13 FT. OR 15 FT.
09E08-04C	TYPE 12 POLE 35'-55' MONOTUBE ARM
09E08-04E	GENERAL NOTES AND HARDWARE DETAILS FOR TYPE 9, 10, 12 & 13 POLES WITH MONOTUBE ARMS
09F15-03A	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 1)
09F15-03B	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)
09G01-03A	SPAN WIRE TEMPORARY TRAFFIC SIGNAL
09G01-03B	SPAN WIRE TEMPORARY TRAFFIC SIGNAL
09G01-03C	SPAN WIRE TEMPORARY TRAFFIC SIGNAL
09G01-03D	SPAN WIRE TEMPORARY TRAFFIC SIGNAL
09G01-03E	SPAN WIRE TEMPORARY TRAFFIC SIGNAL
09G01-03F	SPAN WIRE TEMPORARY TRAFFIC SIGNAL
09G01-03G	SPAN WIRE TEMPORARY TRAFFIC SIGNAL
11A01-04	MAINTENANCE CROSSOVER FOR FREEWAYS
11B02-02	CONCRETE MEDIAN NOSE
12A03-10	NAME PLATE (STRUCTURES)
12A04-03	STRUCTURE IDENTIFICATION PLAQUES, RAMP GATES, SIGN BRIDGES & OVERHEAD SIGN SUPPORTS & TRAFFIC SIGNALS
13A03-05	CONCRETE PAVEMENT SHOULDERS
13A05-05A	SHOULDER RUMBLE STRIP, MILLING
13A05-05B	SHOULDER RUMBLE STRIP, MILLING
13B02-06	CONCRETE PAVEMENT APPROACH SLAB
13C01-15	CONCRETE PAVEMENT LONGITUDINAL JOINTS AND TIES
13C11-10A	RURAL DOWELED CONCRETE PAVEMENT
13C11-10B	RURAL DOWELED CONCRETE PAVEMENT
13C17-01A	CONCRETE JOINT DETAIL FOR EXIT RAMP TERMINI
13C17-01B	CONCRETE JOINT DETAIL FOR ENTRANCE RAMP TERMINI
13C18-01A	CONCRETE PAVEMENT JOINTING
13C18-01B	CONCRETE PAVEMENT STEEL REINFORCEMENT
13C18-01C	CONCRETE PAVEMENT JOINT TIES
14B07-13A	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-13B	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-13C	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-13D	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-13E	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-13F	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"

6

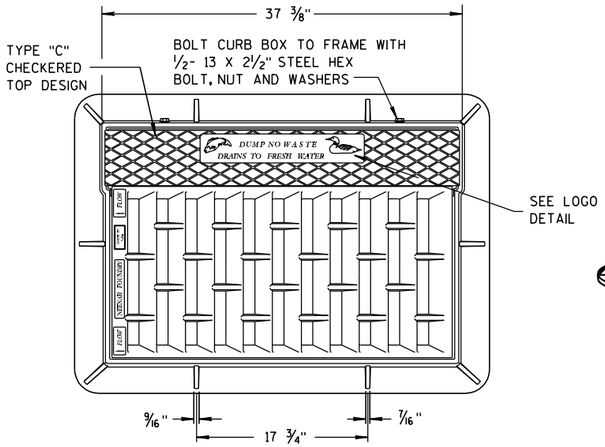
Standard Detail Drawing List

14B07-13G	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-13H	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B08-01A	CRASH CUSHION/SAND BARREL ARRAY AND OTHER TEMPORARY BARRIER LAYOUT DETAILS
14B08-01B	CRASH CUSHION/SAND BARREL ARRAY AND OTHER TEMPORARY BARRIER LAYOUT DETAILS
14B08-01C	CRASH CUSHION/SAND BARREL ARRAY AND OTHER TEMPORARY BARRIER LAYOUT DETAILS
14B08-01D	CRASH CUSHION/SAND BARREL ARRAY AND OTHER TEMPORARY BARRIER LAYOUT DETAILS
14B08-01E	CRASH CUSHION/SAND BARREL ARRAY AND OTHER TEMPORARY BARRIER LAYOUT DETAILS
14B20-11A	STEEL THRIE BEAM STRUCTURE APPROACH
14B20-11B	STEEL THRIE BEAM STRUCTURE APPROACH, CONNECTION TO SQUARE END PARAPETS
14B20-11C	STEEL THRIE BEAM STRUCTURE APPROACH, CONNECTION TO VERTICAL FACED PARAPETS
14B20-11D	STEEL THRIE BEAM STRUCTURE APPROACH, CONNECTION TO SLOPED END PARAPETS
14B20-11G	STEEL THRIE BEAM STRUCTURE APPROACH, CONNECTOR PLATE DETAIL
14B20-11H	STEEL THRIE BEAM STRUCTURE APPROACH, SINGLE SLOPE ATTACHMENT
14B26-02A	STEEL THRIE BEAM BULLNOSE TERMINAL
14B26-02B	STEEL THRIE BEAM BULLNOSE TERMINAL
14B26-02C	STEEL THRIE BEAM BULLNOSE TERMINAL
14B26-02D	STEEL THRIE BEAM BULLNOSE TERMINAL
14B26-02E	STEEL THRIE BEAM BULLNOSE TERMINAL
14B32-01A	CONCRETE BARRIER SINGLE SLOPE (CBSS)
14B33-01D	CONCRETE BARRIER SINGLE SLOPE 36" THRIE BEAM ANCHOR
14B33-01E	CONCRETE BARRIER SINGLE SLOPE 36" THRIE BEAM ANCHOR
14B33-01F	CONCRETE BARRIER SINGLE SLOPE 36" THRIE BEAM ANCHOR
14B33-01G	CONCRETE BARRIER SINGLE SLOPE 42" THRIE BEAM ANCHOR
14B33-01H	CONCRETE BARRIER SINGLE SLOPE 42" THRIE BEAM ANCHOR
14B41-01A	SINGLE SLOPE ROADSIDE RETAINING WALL
14B41-01B	SINGLE SLOPE ROADSIDE RETAINING WALL
14B42-02A	MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL
14B42-02B	MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL
14B42-02C	MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL
14B44-01A	MIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MGS)
14B44-01B	MIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MGS)
14B44-01C	MIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MGS)
14B45-03A	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
14B45-03B	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
14B45-03C	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
14B45-03D	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
14B45-03E	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
14B45-03F	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
14B45-03I	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
14B45-03J	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
14B47-01A	MIDWEST GUARDRAIL SYSTEM (MGS) TYPE 2 TERMINAL
14B47-01B	MIDWEST GUARDRAIL SYSTEM (MGS) TYPE 2 TERMINAL
14B47-01C	MIDWEST GUARDRAIL SYSTEM (MGS) TYPE 2 TERMINAL
15A02-07	DELINEATOR POST, DELINEATOR BRACKET AND DELINEATOR
15A03-02A	FLEXIBLE MARKER POST FOR CULVERT END
15A03-02B	FLEXIBLE MARKER POST FOR CULVERT END
15A06-02	DELINEATOR LAYOUT
15B01-08A	FENCE WOVEN WIRE
15B01-08B	FENCE WOVEN WIRE
15B03-12A	CHAIN LINK FENCE
15B03-12B	CHAIN LINK FENCE
15C02-04A	BARRICADES AND SIGNS FOR MAINLINE CLOSURES
15C02-04B	BARRICADES AND SIGNS FOR MAINLINE CLOSURES
15C04-01	TRAFFIC CONTROL, ADVANCE WARNING SIGNS 45 M.P.H. OR GREATER TWO-WAY UNDIVIDED ROAD OPEN TO TRAFFIC
15C05-01	TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 M.P.H. OR LESS
15C07-12B	PAVEMENT MARKING WORDS
15C07-12C	PAVEMENT MARKING ARROWS
15C08-15A	PAVEMENT MARKING (MAINLINE)
15C08-15F	PAVEMENT MARKING (ISLANDS, STOP LINE & CROSS WALK)
15C11-05	FLEXIBLE TUBULAR MARKER POST, ANCHOR & BASES
15C14-01	AERIAL ENFORCEMENT BARS PAVEMENT MARKING DETAILS
15C18-03	MEDIAN ISLAND MARKING
15C19-01C	MOVING PAVEMENT MARKING OPERATION MULTI-LANE DIVIDED ROADWAY
15C31-01A	PAVEMENT MARKING (RAMPS AND GORES)
15C31-01D	PAVEMENT MARKING FOR PARALLEL ON-RAMP AND PARALLEL OFF-RAMP
15D03-01	TRAFFIC CONTROL, LANE CLOSURE, SPEEDS GREATER THAN 40 M.P.H. WITH BARRIER
15D04-01	TRAFFIC CONTROL, RAMP CONSTRUCTION STAGING
15D05-02	TRAFFIC CONTROL, SINGLE LANE CROSSOVER ENTRANCE WITH BARRIER

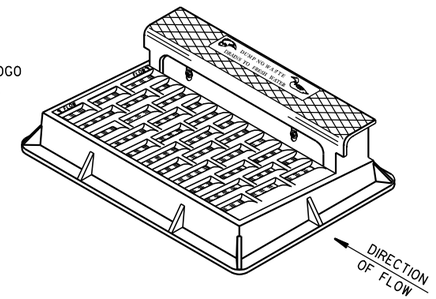
6

Standard Detail Drawing List

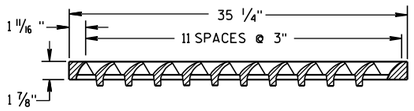
15D06-02	TRAFFIC CONTROL, TWO LANE TWO WAY OPERATION
15D07-03	TRAFFIC CONTROL, TEMPORARY EXIT RAMP CROSSOVER
15D08-03	TRAFFIC CONTROL, TEMPORARY ENTRANCE RAMP CROSSOVER
15D09-02	TRAFFIC CONTROL, SINGLE LANE CROSSOVER EXIT
15D10-02	TRAFFIC CONTROL, SINGLE LANE CROSSOVER EXIT WITH BARRIER
15D11-03	TRAFFIC CONTROL, SINGLE LANE CROSSOVER
15D12-02	TRAFFIC CONTROL, LANE CLOSURE, SPEEDS GREATER THAN 40 M.P.H.
15D13-01	TEMPORARY EMERGENCY PULLOUTS
15D15-01	TRAFFIC CONTROL, EXIT AND ENTRANCE RAMP WITHIN LANE CLOSURE
15D16-01	TRAFFIC CONTROL, EXIT RAMP CLOSURE
15D20-01	TRAFFIC CONTROL, SINGLE LANE CLOSURE, NON-FREEWAY/EXPRESSWAY
15D27-01	TRAFFIC CONTROL, SHOULDER CLOSURE ON DIVIDED ROADWAY, SPEEDS GREATER THAN 40 MPH

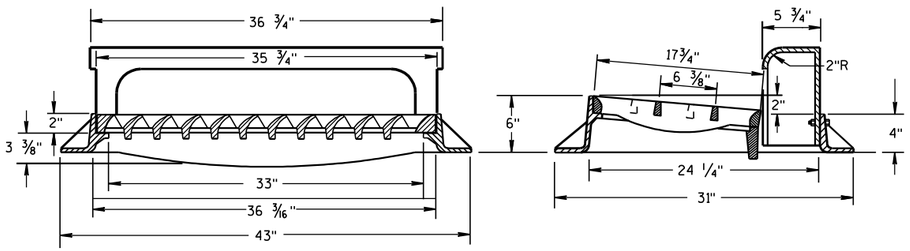


NOTE:
GRATE IS REVERSIBLE.



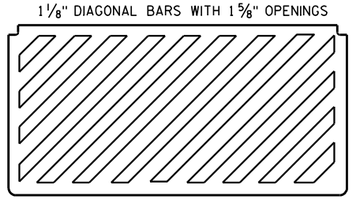
NOTE: CURB BOX HEIGHT ADJUSTABLE 6" TO 9"





TYPE "H"

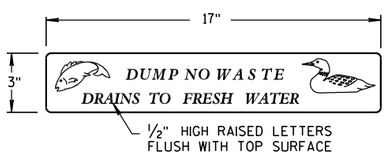
(APPROXIMATE WEIGHT 441 LBS.)
FRAME..... 181 LBS.
GRATE..... 146 LBS.
CURB BOX..... 114 LBS.



SPECIAL GRATE FOR TYPE "H" COVER

(MEASURES 35 1/4" X 17 3/4" X 2")
(APPROXIMATE WEIGHT 159 LBS.)
GRATE..... 159 LBS.

(NOTED AS TYPE H-S ON DRAINAGE TABLE)



LOGO DETAIL

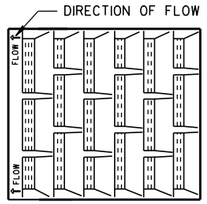
GENERAL NOTES

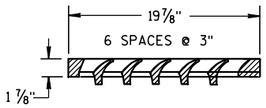
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

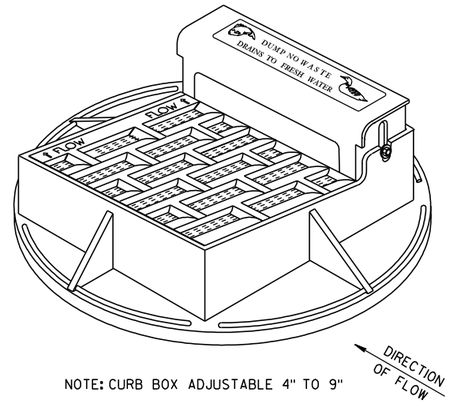
DETAIL DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR CATCH BASIN, MANHOLE AND INLET COVERS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ROUND FRAMES AND COVERS SHALL HAVE CONTINUOUSLY MACHINED BEARING SURFACES TO PREVENT ROCKING AND RATTLING.

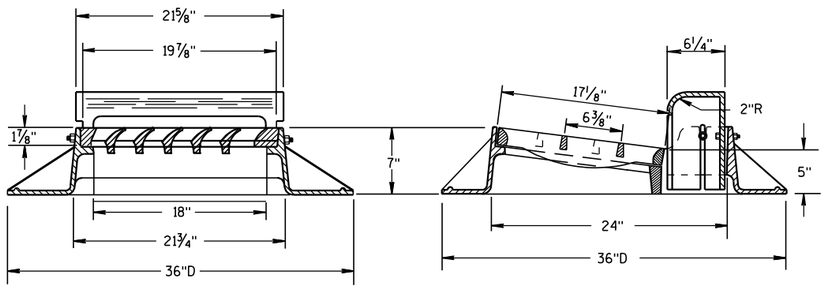
THE ACTUAL WEIGHT OF COVERS MAY VARY WITHIN 5 PERCENT, PLUS OR MINUS, OF THE APPROXIMATE WEIGHT.





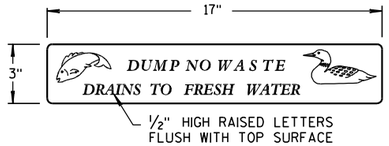


NOTE: CURB BOX ADJUSTABLE 4" TO 9"



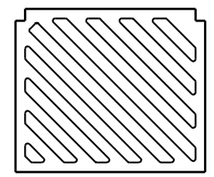
TYPE "A"

(APPROXIMATE WEIGHT 340 LBS.)
FRAME..... 185 LBS.
GRATE..... 71 LBS.
CURB BOX..... 84 LBS.



LOGO DETAIL

NOTE:
GRATE IS REVERSIBLE.



SPECIAL GRATE FOR TYPE "A" COVER

(MEASURES 19 3/4" X 17" X 1 7/8"
GRATE..... 84 LBS.

(NOTED AS TYPE A-S ON DRAINAGE TABLE)

INLET COVERS TYPE A, H, A-S, & H-S

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

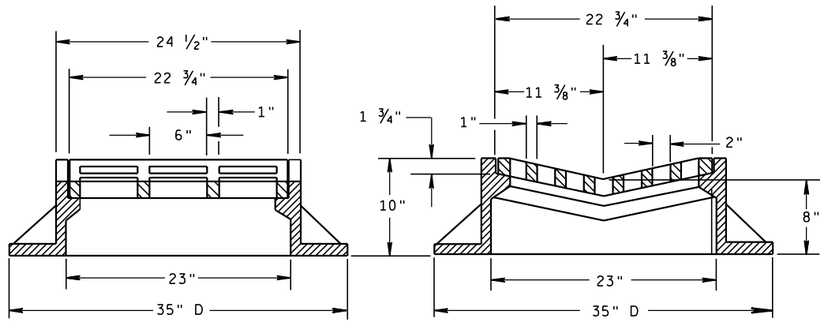
APPROVED
6/5/2012 DATE
/S/ Jerry H. [illegible] ROADWAY STANDARDS ENGINEER
500
FHWA

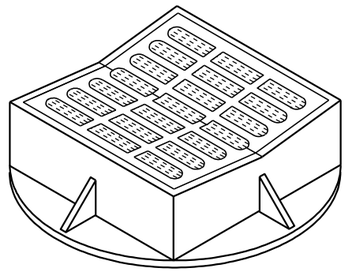
6

S.D.D. 8 A 5-18a

6

S.D.D. 8 A 5-18a

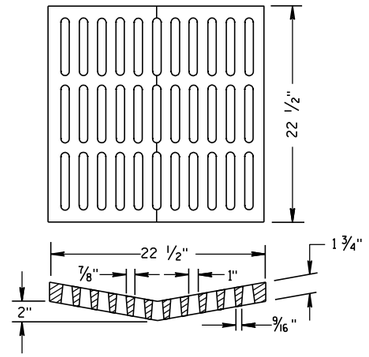




TYPE "B"

(APPROXIMATE WEIGHT 405 LBS.)

FRAME..... 294 LBS.
GRATE..... 111 LBS.

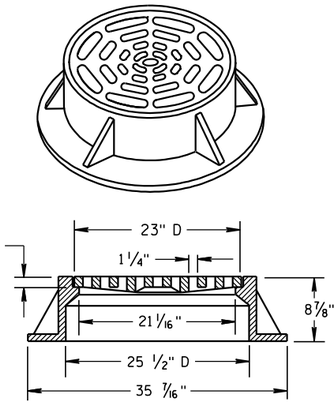


ALTERNATIVE GRATE FOR TYPE "B" COVER

(APPROXIMATE GRATE WEIGHT 134 LBS.)

USE WHERE PEDESTRIAN OR BICYCLE TRAFFIC IS POSSIBLE.

NOTED AS TYPE B-A ON THE DRAINAGE TABLE



TYPE "C"

(APPROXIMATE WEIGHT 259 LBS.)

FRAME..... 152 LBS.
GRATE..... 107 LBS.

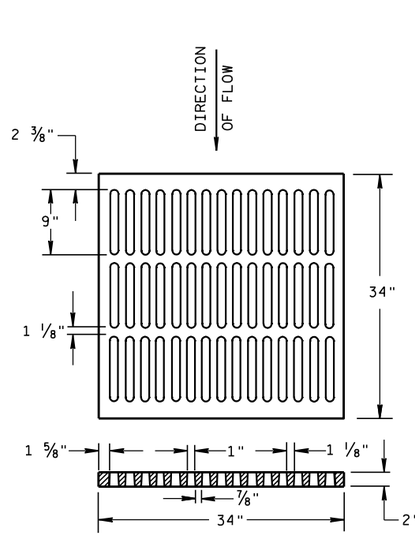
GENERAL NOTES

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

DETAIL DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR CATCH BASIN, MANHOLE AND INLET COVERS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ROUND FRAMES AND COVERS SHALL HAVE CONTINUOUSLY MACHINED BEARING SURFACES TO PREVENT ROCKING AND RATTLING.

THE ACTUAL WEIGHT OF COVERS MAY VARY WITHIN 5 PERCENT, PLUS OR MINUS, OF THE APPROXIMATE WEIGHT.

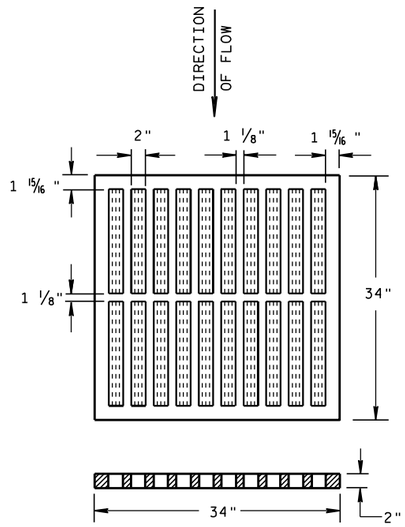


ALTERNATIVE TYPE "MS"

(APPROXIMATE GRATE WEIGHT 329 LBS.)

USE WHERE PEDESTRIAN OR BICYCLE TRAFFIC IS PERMITTED

NOTED AS TYPE MS-A ON THE DRAINAGE TABLE

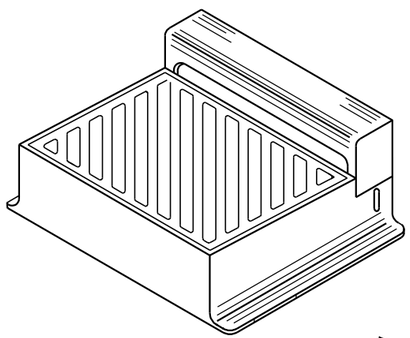


TYPE "MS"

(APPROXIMATE GRATE WEIGHT 268 LBS.)

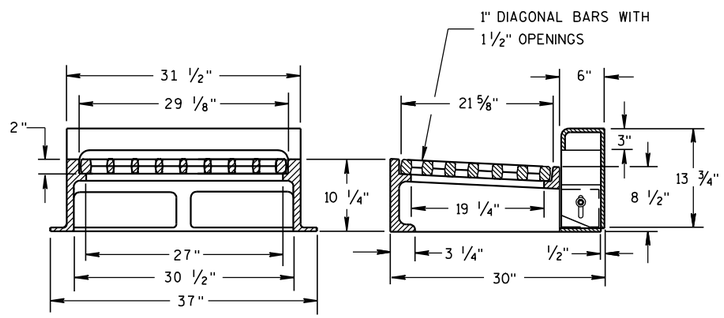
USE ON FREEWAYS AND EXPRESSWAYS

NOTED AS TYPE MS ON DRAINAGE TABLE



DIRECTION OF FLOW

DIAGONAL SLOTS, SHALL BE ORIENTED TO THE DIRECTION OF FLOW AS ILLUSTRATED. GRATES ARE MANUFACTURED TO BE REVERSIBLE.



NOTE: CURB BOX HEIGHT ADJUSTABLE 6" TO 9"

TYPE "WM"

(APPROXIMATE WEIGHT 648 LBS.)

FRAME..... 355 LBS.
GRATE..... 156 LBS.
CURB BOX..... 137 LBS.

INLET COVERS TYPE B, B-A, C, MS, MS-A, & WM

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

6/5/2012 DATE

/S/ Jerry H. Zaas
ROADWAY STANDARDS ENGINEER

501

ENT

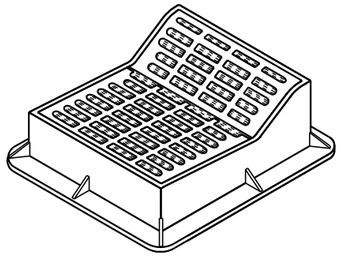
FHWA

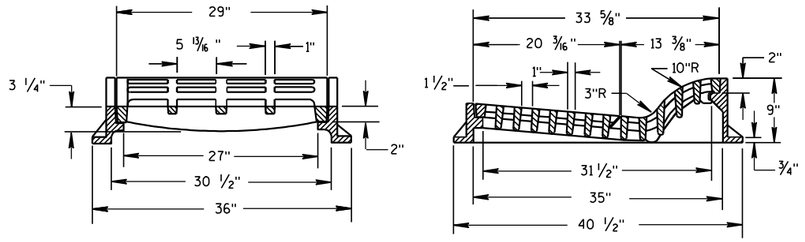
6

S.D.D. 8 A 5-18b

6

S.D.D. 8 A 5-18b



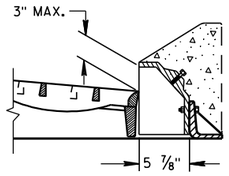


TYPE "F"

(APPROXIMATE WEIGHT 644 LBS.)

FRAME.....302 LBS.
GRATE.....160 LBS.
GRATE.....182 LBS.

USE WITH TYPES A & D CONCRETE CURB & GUTTER, 36 INCH.



ALTERNATIVE CURB BOX FOR TYPE "HM" COVER

(APPROXIMATE WEIGHT CURB BOX 68 LBS.)

USE WITH TYPES G & J CONCRETE CURB & GUTTER, 30 INCH
NOTED AS TYPE HM-GJ ON DRAINAGE TABLE

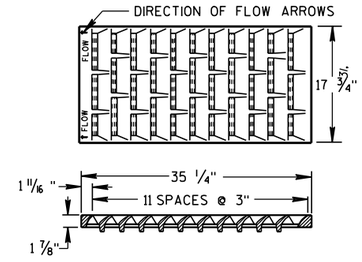
NOTE:
SPECIAL GRATE FOR THE
TYPE "H" COVER MAY ALSO BE
USED FOR THE TYPE "HM-GJ" COVER
NOTED AS TYPE HM-GJ-S ON DRAINAGE TABLE

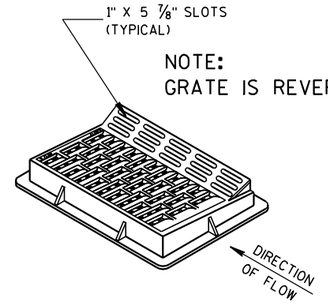
GENERAL NOTES

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

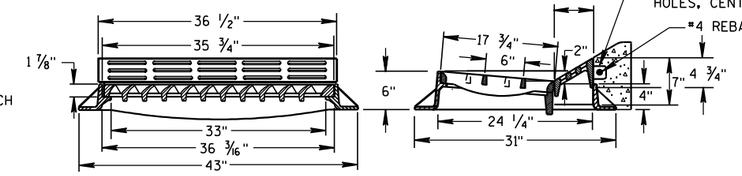
DETAIL DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR INLET COVERS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

THE ACTUAL WEIGHT OF COVERS MAY VARY WITHIN 5 PERCENT, PLUS OR MINUS, OF THE APPROXIMATE WEIGHT.





NOTE:
GRATE IS REVERSIBLE.

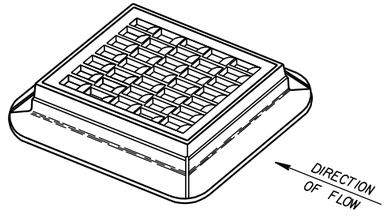


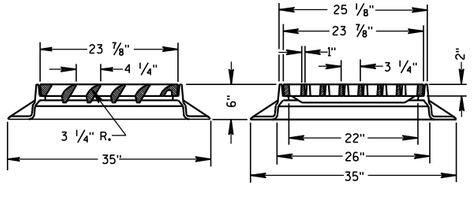
TYPE "HM"

(APPROXIMATE WEIGHT 414 LBS.)
FRAME..... 181 LBS.
GRATE..... 159 LBS.
CURB BOX..... 74 LBS.

USE WITH TYPES A & D CONCRETE CURB & GUTTER, 36 INCH.

NOTE:
SPECIAL GRATE FOR THE
TYPE "H" COVER MAY ALSO BE
USED FOR THE TYPE "HM" COVER
NOTED AS TYPE HM-S ON DRAINAGE TABLE

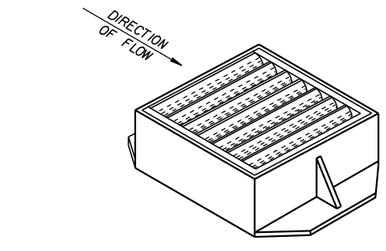


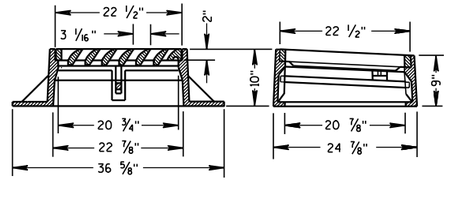


TYPE "S"

(APPROXIMATE WEIGHT 333 LBS.)

FRAME.....164 LBS.
GRATE..... 169 LBS.

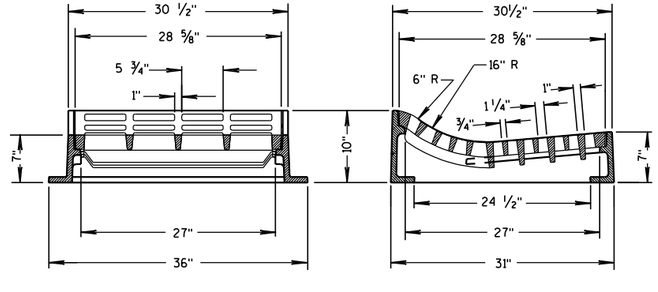




TYPE "V"

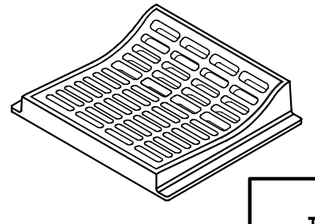
(APPROXIMATE WEIGHT 410 LBS.)

FRAME..... 269 LBS.
GRATE..... 136 LBS.
SAFETY BAR..... 5 LBS.



TYPE "T"

(APPROXIMATE WEIGHT 530 LBS.)
FRAME.....270 LBS.
GRATE.....260 LBS.
USE WITH TYPES R & T CONCRETE CURB & GUTTER, 36 INCH.



INLET COVERS TYPE F, HM, HM-S, S, T, V, HM-GJ, & HM-GJ-S

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

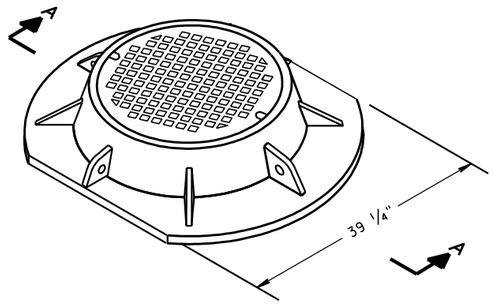
APPROVED
6/5/2012 — DATE
/S/ Jerry H. Zogg — ROADWAY STANDARDS ENGINEER
FHWA

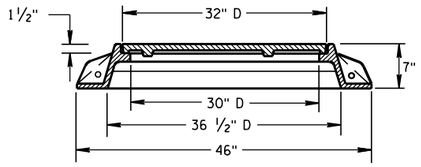
6

S.D.D. 8 A 5-18c

6

S.D.D. 8 A 5-18c



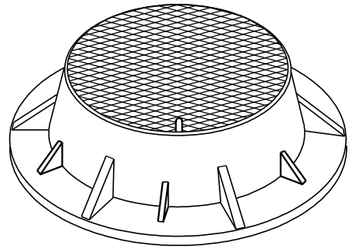


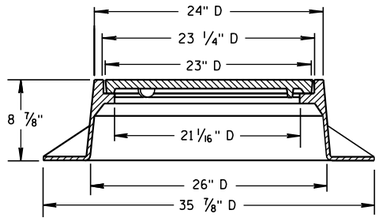
SECTION A-A

TYPE "K"

(APPROXIMATE WEIGHT 439 LBS.)

FRAME.....216 LBS.
LID.....223 LBS.

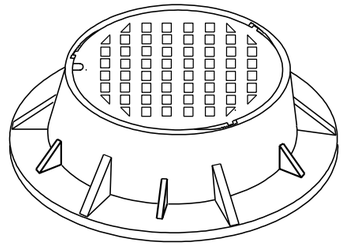


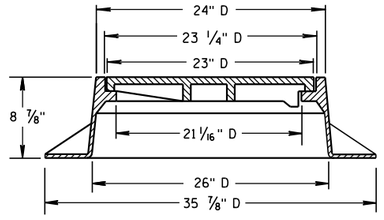


TYPE "J"

(APPROXIMATE WEIGHT 267 LBS.)

FRAME.....152 LBS.
LID.....115 LBS.





TYPE "J" SPECIAL

TYPE "B" NON-ROCKING SELF-SEAL LID

(APPROXIMATE WEIGHT 267 LBS.)

FRAME.....158 LBS.
LID.....109 LBS.

(NOTED AS TYPE J-S ON THE DRAINAGE TABLE)

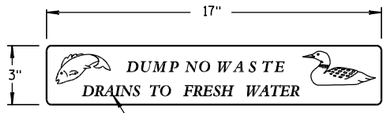
GENERAL NOTES

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

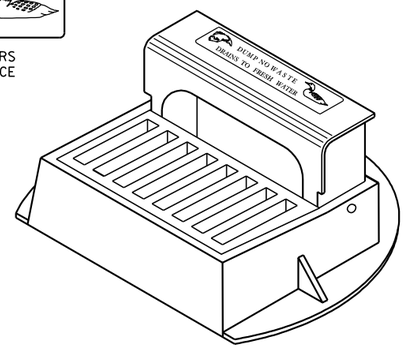
DETAIL DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR MANHOLE COVERS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

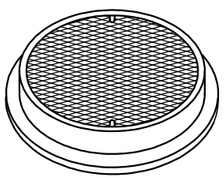
ROUND FRAMES AND COVERS SHALL HAVE CONTINUOUSLY MACHINED BEARING SURFACES TO PREVENT ROCKING AND RATTLING.

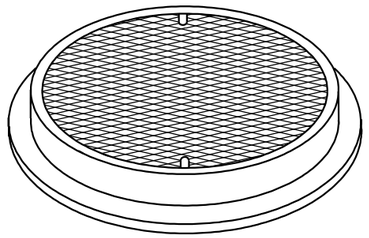
THE ACTUAL WEIGHT OF COVERS MAY VARY WITH 5 PERCENT, PLUS OR MINUS, OF THE APPROXIMATE WEIGHT.

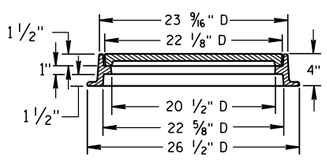


LOGO DETAIL





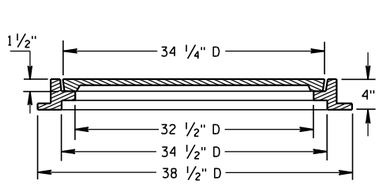




TYPE "L"

(APPROXIMATE WEIGHT 158 LBS.)

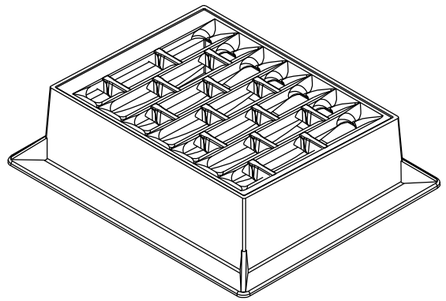
FRAME.....81 LBS.
LID.....77 LBS.

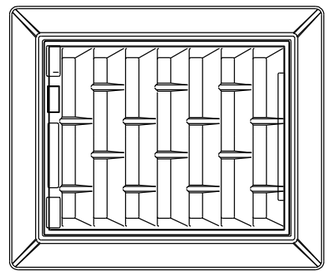


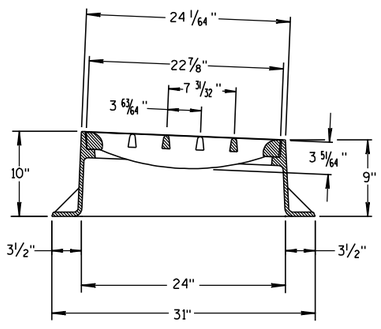
TYPE "M"

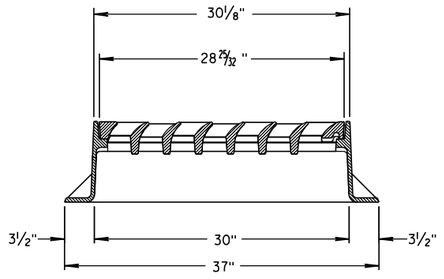
(APPROXIMATE WEIGHT 377 LBS.)

FRAME..... 125 LBS.
LID..... 252 LBS.

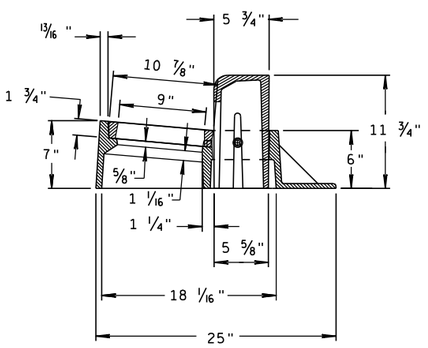


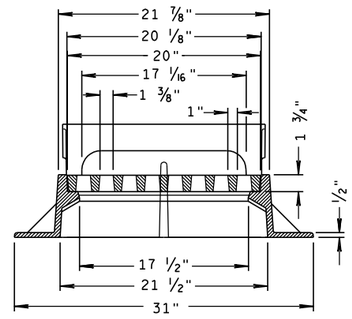






INLET COVER TYPE "BW"





INLET COVER TYPE "Z"

(APPROXIMATE WEIGHT 344 LBS.)

FRAME.....206 LBS.
GRATE..... 46 LBS.
CURB BOX..... 92 LBS.

INLET COVERS, TYPE BW, Z MANHOLE COVERS, TYPE K, J, J-S, L & M

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

6/5/2012
DATE

/S/ Jerry H. Zogg
ROADWAY STANDARDS ENGINEER

FHWA

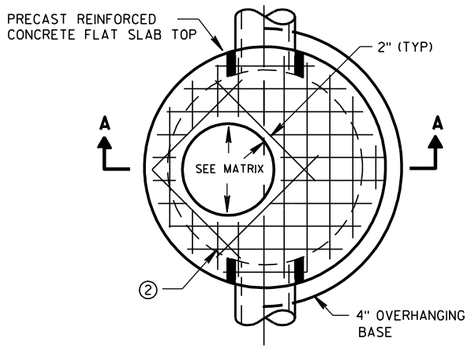
NT

6

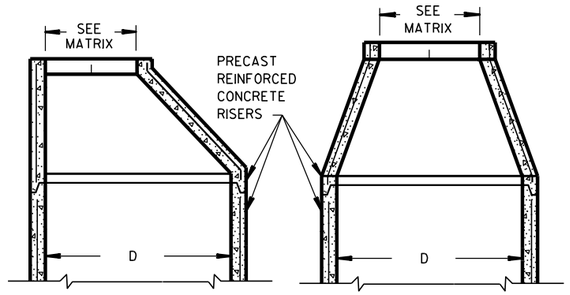
S.D.D. 8 A 5-18d

6

S.D.D. 8 A 5-18d

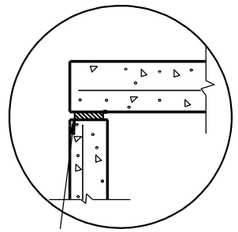


PLAN VIEW CIRCULAR OPENING

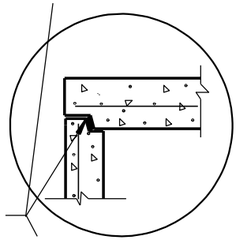


OPTIONAL PRECAST REINFORCED CONCRETE ECCENTRIC TOP

OPTIONAL PRECAST REINFORCED CONCRETE CONCENTRIC TOP

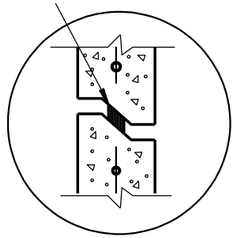


TOP WITH PLAIN END JOINT



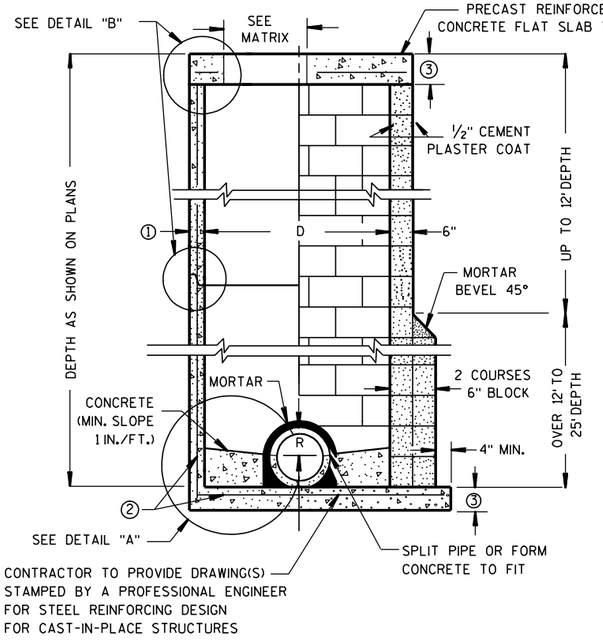
JOINTS TO BE SEALED WITH A BUTYL RUBBER SEAL PER SEALANT MANUFACTURERS RECOMMENDATIONS CONFORMING TO ASTM C990 (TYP)

TOP WITH TONGUE AND GROOVE JOINT



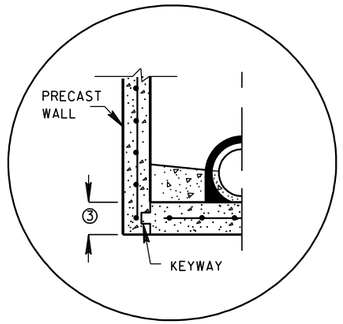
RISER WITH TONGUE AND GROOVE JOINT

DETAIL "B"

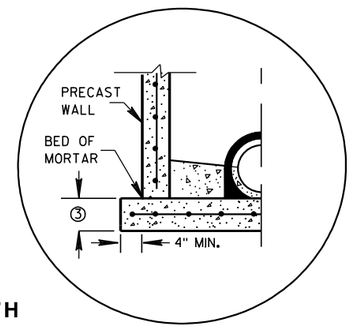


PRECAST REINFORCED CONCRETE WITH MONOLITHIC BASE

CONCRETE BLOCK WITH CAST-IN-PLACE OR PRECAST REINFORCED CONCRETE BASE ②

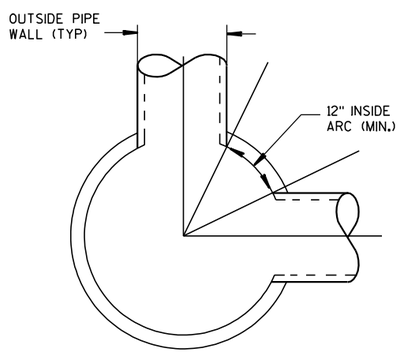


PRECAST REINFORCED CONCRETE WITH INTEGRAL BASE OPTION



SEPERATE PRECAST REINFORCED CONCRETE BASE OPTION

DETAIL "A"



DETAIL "C"

GENERAL NOTES

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

UNLESS OTHERWISE AUTHORIZED IN WRITING BY THE ENGINEER, THE CONTRACTOR SHALL NOT ORDER AND DELIVER PRECAST MANHOLE UNITS REQUIRED FOR THE PROJECT UNTIL A LIST OF SIZES IS FURNISHED BY THE ENGINEER.

DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR UNDERGROUND DRAINAGE STRUCTURES SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ALL DRAINAGE STRUCTURES ARE DESIGNATED ON THE PLANS AS "MANHOLES 3X3-L", "CATCH BASINS 4-B", "INLETS 2X3-H", ETC. THE FIRST NUMBERS DESIGNATE THE SIZE OF THE STRUCTURE, AND THE FOLLOWING LETTER DESIGNATES THE TYPE OF COVER TO BE USED TO COMPRISE THE COMPLETE UNIT.

BASES SHALL BE PLACED ON A BED OF MATERIAL AT LEAST 6 INCHES IN DEPTH, WHICH MEETS THE REQUIREMENTS OF GRANULAR BACKFILL. THIS BEDDING SHALL BE COMPACTED AND PROVIDE UNIFORM SUPPORT FOR THE ENTIRE AREA OF THE BASE.

PRECAST REINFORCED CONE TOPS (ECCENTRIC OR CONCENTRIC) OR PRECAST REINFORCED FLAT SLAB TOPS MAY BE USED ON CONCRETE BLOCK STRUCTURES. THE CONE TOPS SHALL BE INSTALLED ON A BED OF MORTAR.

ECCENTRIC CONE TOPS MAY BE USED ON ALL STRUCTURES, AND CONCENTRIC CONE TOPS SHALL BE USED ONLY ON STRUCTURES 5 FEET OR LESS IN DEPTH, UNLESS OTHERWISE DIRECTED BY THE ENGINEER.

STEPS MEETING AASHTO M199 AND THE FOLLOWING REQUIREMENTS SHALL BE INSTALLED IN ALL STRUCTURES OVER 5 FEET IN DEPTH: 16 INCH C-C MAXIMUM SPACING; PROJECT A MINIMUM CLEAR DISTANCE OF 4 INCHES FROM THE WALL AT THE POINT OF EMBEDMENT; MINIMUM LENGTH OF 10 INCHES; MINIMUM WALL EMBEDMENT OF 3 INCHES. FERROUS METAL STEPS NOT PAINTED OR TREATED TO RESIST CORROSION SHALL HAVE A MINIMUM CROSS SECTIONAL DIMENSION OF 1 INCH.

STEPS OF APPROVED POLYPROPYLENE PLASTIC COATED REINFORCEMENT BAR ARE ACCEPTABLE. REINFORCING BAR MUST BE A MINIMUM OF ½" AND MEET THE REQUIREMENTS OF ASTM A615.

CERTIFICATION SHALL BE PROVIDED THAT INSTALLED STEPS WHEN TESTED IN ACCORDANCE WITH SECTION 10 OF AASHTO T280 CAN WITHSTAND A VERTICAL LOAD OF 800 LBS. AND A HORIZONTAL LOAD OF 400 LBS.

ALL BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2 INCHES CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

CONCRETE BLOCK WILL NOT BE PERMITED FOR STRUCTURES GREATER THAN 4 FEET IN DIAMETER.

PRECAST REINFORCED RISERS SHALL HAVE A TONGUE AND GROOVE JOINT WITH TONGUE UP OR DOWN.

ALL PRECAST MANHOLE UNITS SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF AASHTO DESIGNATION M 199.

4" OVERHANGING BASES ARE REQUIRED FOR ALL CONCRETE BLOCK INSTALLATIONS. 4" OVERHANG IS REQUIRED WHEN SEPERATE PRECAST BASE IS PROVIDED. OVERHANG IS NOT REQUIRED ON PRECAST STRUCTURES WITH AN INTEGRAL OR MONOLITHIC BASE.

FOR ADDITIONAL CONFIGURATIONS, MAINTAIN A MINIMUM OF 12 INCHES AS MEASURED FROM THE INSIDE OF THE STRUCTURE WALL BETWEEN THE OUTSIDE PIPE WALLS OF ADJACENT PIPES. SEE DETAIL "C".

① MINIMUM WALL THICKNESS SHALL BE 4 INCHES FOR 3-FT, 5 INCHES FOR 4-FT, 6 INCHES FOR 5-FT, 7 INCHES FOR 6-FT, 8 INCHES FOR 7-FT AND 9 INCHES FOR 8-FT DIAMETER PRECAST MANHOLES.

② FOR PRECAST MANHOLES PROVIDE REINFORCING STEEL IN ACCORDANCE TO AASHTO M199.

③ PRECAST FLAT SLAB TOPS AND BASES WITH A DIAMETER OF 48" AND LESS SHALL HAVE A MINIMUM THICKNESS OF 6". PRECAST FLAT SLAB TOPS AND BASES WITH A DIAMETER LARGER THAN 48" SHALL HAVE A MINIMUM THICKNESS OF 8".

MANHOLE COVER OPENING MATRIX

MANHOLE COVER TYPE	C	ALL J'S	K	L	M
OPENING SIZE (FT)					
2 DIA.	X	X		X	
3 DIA.			X		X

PIPE MATRIX

MANHOLE SIZE	MAXIMUM INSIDE PIPE DIAMETER FOR TWO PIPES	
	180° SEPARATION (IN)	90° SEPARATION (IN)
3-FT	15	12
4-FT	24	18
5-FT	36	24
6-FT	42	36
7-FT	48	36
8-FT	60	42

MANHOLES 3-FT, 4-FT, 5-FT, 6-FT, 7-FT AND 8-FT DIAMETER

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

6/5/2012
DATE

/S/ Jerry H. Zogg
ROADWAY STANDARDS DEVELOPMENT ENGINEER

FHWA

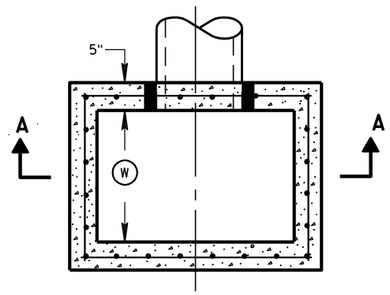
504

6

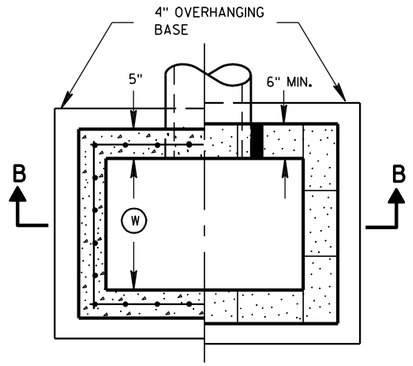
S.D.D. 8 B 9-1

6

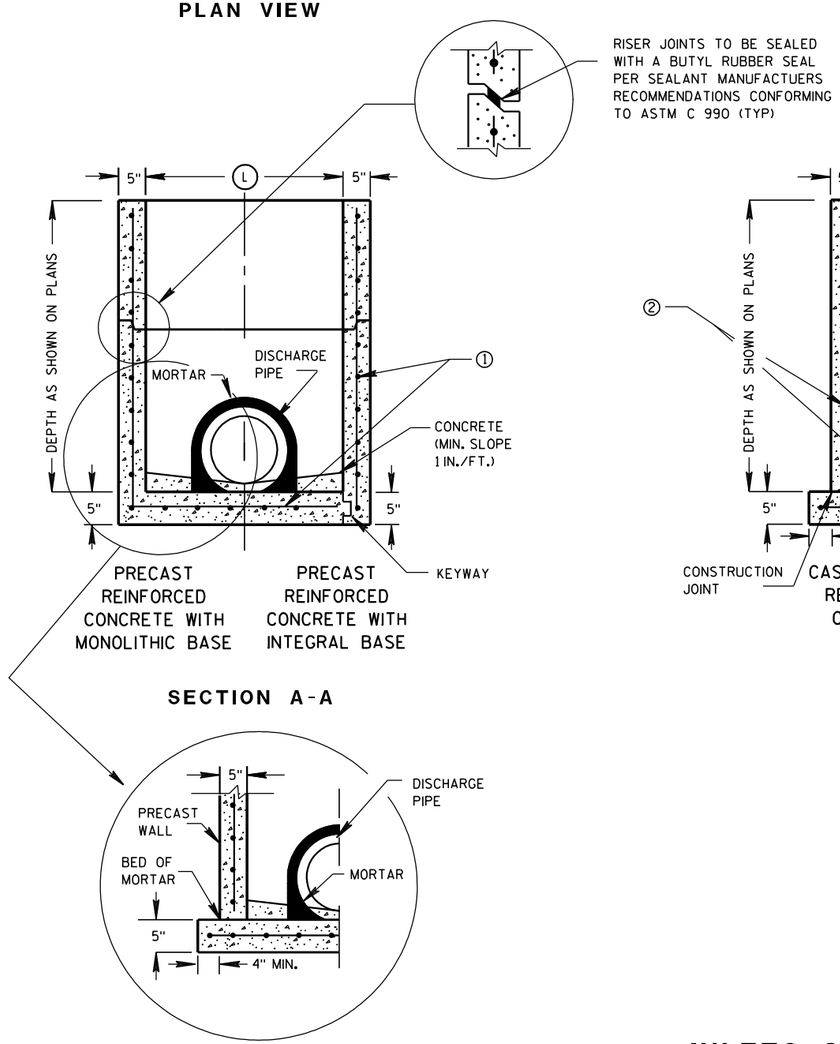
S.D.D. 8 B 9-1



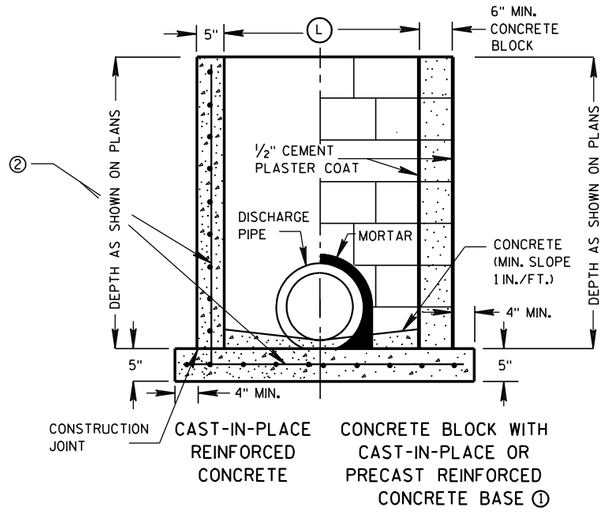
PLAN VIEW



PLAN VIEW



SECTION A-A



SECTION B-B

SEPERATE PRECAST REINFORCED CONCRETE BASE OPTION

GENERAL NOTES

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

UNLESS OTHERWISE AUTHORIZED IN WRITING BY THE ENGINEER, THE CONTRACTOR SHALL NOT ORDER AND DELIVER PRECAST INLET UNITS REQUIRED FOR THE PROJECT UNTIL A LIST OF SIZES IS FURNISHED BY THE ENGINEER.

DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR UNDERGROUND DRAINAGE STRUCTURES SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ALL PRECAST INLET UNITS SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF ASTM C 913.

ALL DRAINAGE STRUCTURES ARE DESIGNATED ON THE PLANS AS "MANHOLES 3X3-L", "CATCH BASINS 4-B", "INLETS 2X3-H", ETC. THE FIRST NUMBERS DESIGNATES THE SIZE OF THE STRUCTURE, AND THE FOLLOWING LETTER DESIGNATES THE TYPE OF COVER TO BE USED TO COMPRISE THE COMPLETE UNIT.

BASES SHALL BE PLACED ON A BED OF MATERIAL AT LEAST 6 INCHES IN DEPTH, WHICH MEETS THE REQUIREMENTS OF GRANULAR BACKFILL. THIS BEDDING SHALL BE COMPACTED AND PROVIDE UNIFORM SUPPORT FOR THE ENTIRE AREA OF THE BASE.

ALL BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2 INCHES CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

PRECAST REINFORCED RISERS SHALL HAVE A TONGUE AND GROOVE JOINT WITH TONGUE UP OR DOWN.

4" OVERHANGING BASES ARE REQUIRED FOR CAST-IN-PLACE REINFORCED CONCRETE AND CONCRETE BLOCK INSTALLATIONS. 4" OVERHANG IS REQUIRED WHEN SEPERATE PRECAST BASE IS PROVIDED. OVERHANG IS NOT REQUIRED ON PRECAST STRUCTURES WITH AN INTEGRAL OR MONOLITHIC BASE.

MAXIMUM INSIDE PIPE DIAMETER DETERMINED BY 3 INCH CLEARANCE ON EACH SIDE OF THE OUTSIDE WALL OF THE PIPE. SEE DETAIL "A". ASSUMES PIPE ENTERS PERPENDICULAR TO THE STRUCTURE.

① FOR PRECAST INLETS PROVIDE REINFORCING STEEL IN ACCORDANCE TO ASTM C 913.

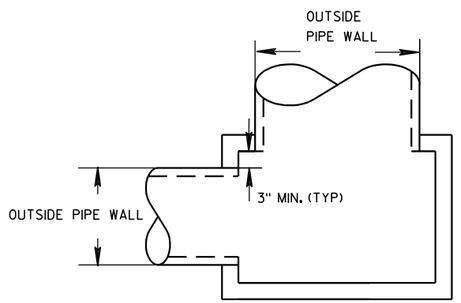
② CONTRACTOR TO PROVIDE DRAWING(S) STAMPED BY A PROFESSIONAL ENGINEER FOR STEEL REINFORCING DESIGN FOR CAST-IN-PLACE STRUCTURES.

INLET COVER MATRIX

INLET SIZE		INLET COVER TYPE	ALL A'S	ALL B'S	BW	F	ALL H'S	S	T	V	WM
	WIDTH (W) (FT)	LENGTH (L) (FT)									
2X2-FT	2	2	X	X				X		X	
2X2.5-FT	2	2.5			X			X	X	X	X
2X3-FT	2	3					X				
2.5X3-FT	2.5	3				X					

PIPE MATRIX

INLET SIZE	MAXIMUM INSIDE PIPE DIAMETER	
	WIDTH (IN)	LENGTH (IN)
2X2-FT	12	12
2X2.5-FT	12	18
2X3-FT	12	24
2.5X3-FT	18	24



DETAIL "A"

INLETS 2X2-FT, 2X2.5-FT, 2X3-FT AND 2.5X3-FT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

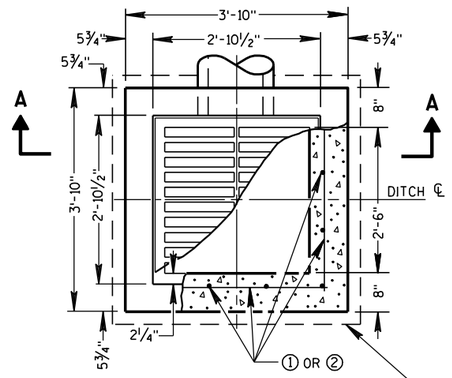
APPROVED
6/5/2012 — DATE
/S/ Jerry H. Zoda — ROADWAY STANDARDS D 505 ENGINEER
FHWA

6

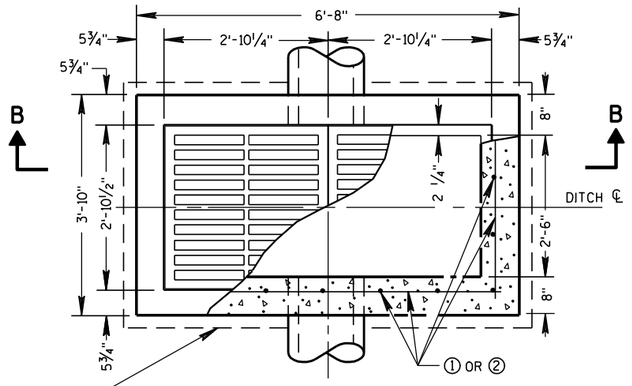
S.D.D. 8 C 7-1

6

S.D.D. 8 C 7-1

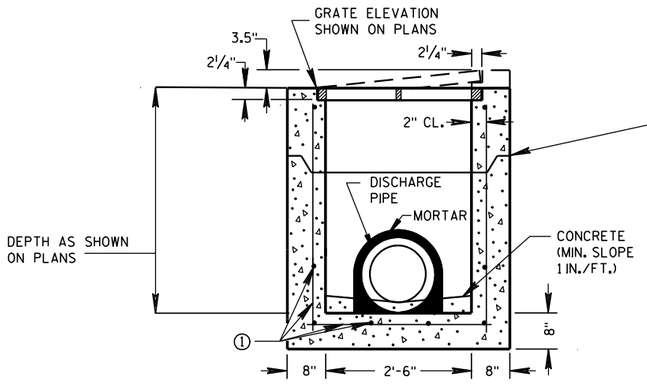


PLAN VIEW

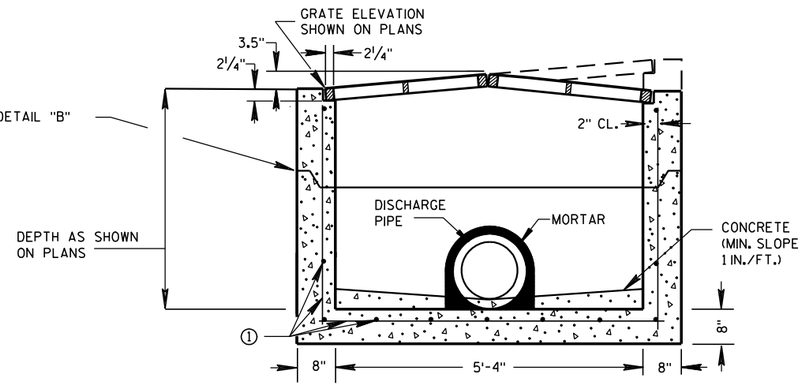


PLAN VIEW

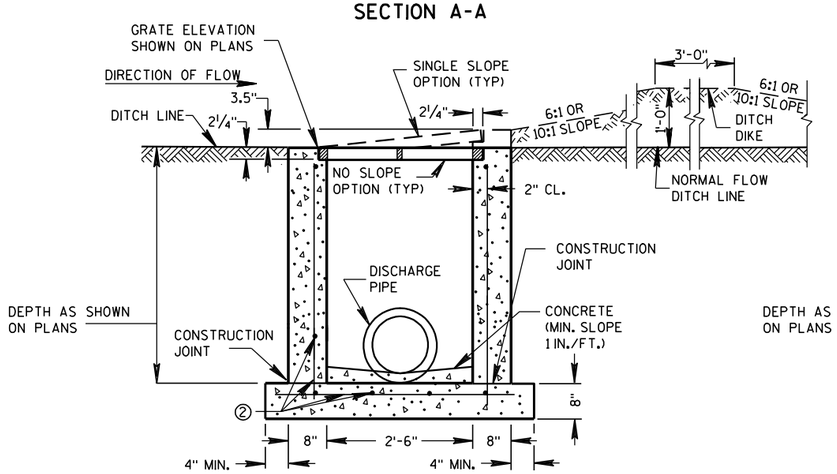
4" OVERHANGING BASE ON REINFORCED CAST-IN-PLACE CONCRETE INLETS



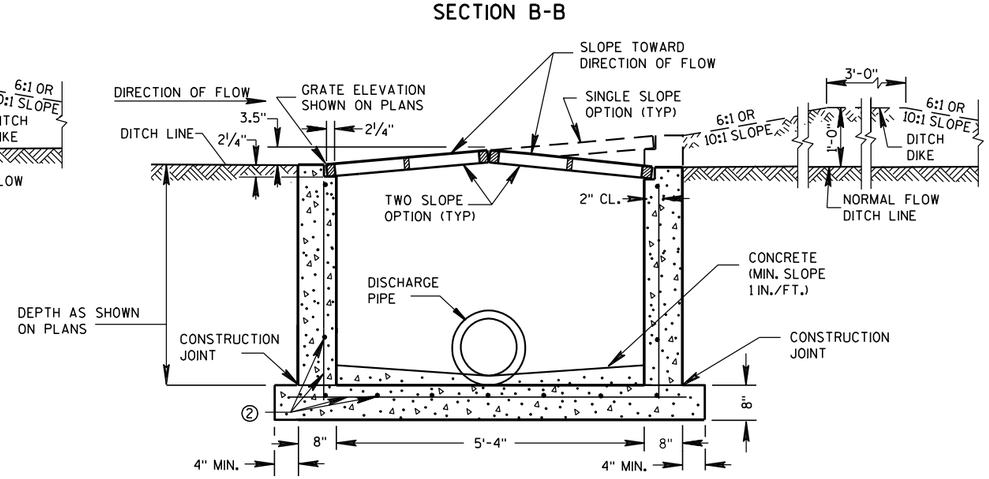
PRECAST REINFORCED CONCRETE SECTION A-A



PRECAST REINFORCED CONCRETE SECTION B-B



REINFORCED CAST-IN-PLACE CONCRETE SECTION A-A



REINFORCED CAST-IN-PLACE CONCRETE SECTION B-B

INLETS MEDIAN 1 GRATE

INLETS MEDIAN 2 GRATE

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 INLETS WHICH MAY INCLUDE PRECAST REINFORCED CONCRETE INLETS, SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ALL MEDIAN INLETS ARE DESIGNATED ON THE PLANS AS "INLETS, 1G-MS", ETC. THE FIRST NUMBER AND LETTER DESIGNATE THE TYPE OF STRUCTURE, AND THE FOLLOWING LETTERS DESIGNATE THE TYPE OF COVER TO BE USED TO COMPRISE THE COMPLETE UNIT.

ALL BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2 INCHES CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

PRECAST REINFORCED RISERS SHALL HAVE A TONGUE AND GROOVE JOINT WITH TONGUE UP OR DOWN.

ALL PRECAST INLET UNITS SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF ASTM C 913.

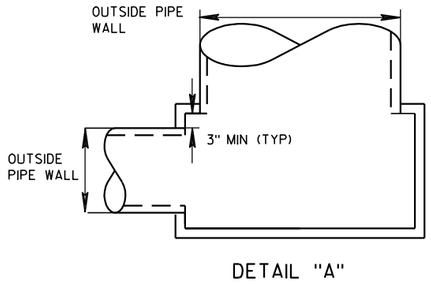
MAXIMUM INSIDE PIPE DIAMETER DETERMINED BY 3" CLEARANCE ON EACH SIDE OF THE OUTSIDE WALL OF THE PIPE. SEE DETAIL "A". ASSUMES PIPE ENTERS PERPENDICULAR TO THE STRUCTURE.

① FOR PRECAST INLETS PROVIDE REINFORCING STEEL IN ACCORDANCE TO ASTM C 913.

② CONTRACTOR TO PROVIDE DRAWING(S) STAMPED BY A PROFESSIONAL ENGINEER FOR STEEL REINFORCING DESIGN FOR CAST-IN-PLACE STRUCTURES.

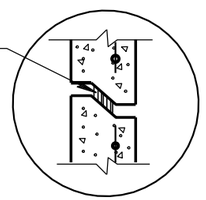
PIPE MATRIX

	MAXIMUM INSIDE PIPE DIAMETER	
INLET SIZE	WIDTH (IN)	LENGTH (IN)
1 GRATE	18	18
2 GRATE	18	42



DETAIL "A"

JOINTS TO BE SEALED WITH A BUTYL RUBBER SEAL PER SEALANT MANUFACTURERS RECOMMENDATIONS CONFORMING TO ASTM C 990 (TYP)



DETAIL "B"

INLETS MEDIAN 1 AND 2 GRATE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

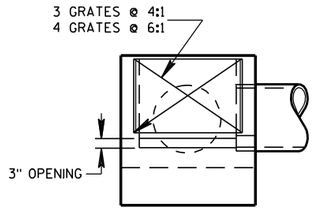
APPROVED
6/5/2012 — DATE
/S/ Jerry H. Zogg — ROADWAY STANDARDS DEVELOPMENT ENGINEER
FHWA

6

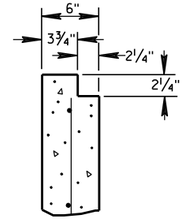
S.D.D. 8 C 8-1

6

S.D.D. 8 C 8-1



SECTION B-B



SECTION C-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.

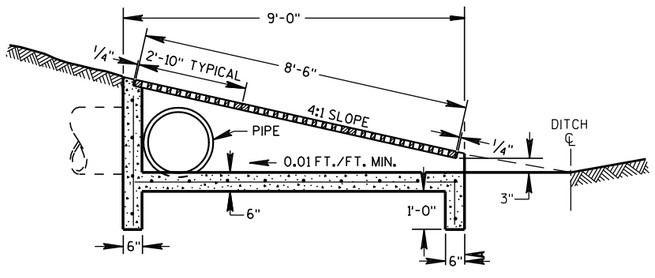
UNLESS OTHERWISE AUTHORIZED IN WRITING BY THE ENGINEER, THE CONTRACTOR SHALL NOT ORDER AND DELIVER PRECAST INLET UNITS REQUIRED FOR THE PROJECT UNTIL A LIST OF SIZES IS FURNISHED BY THE ENGINEER.

DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR INLETS WHICH MAY INCLUDE PRECAST REINFORCED CONCRETE INLETS, SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

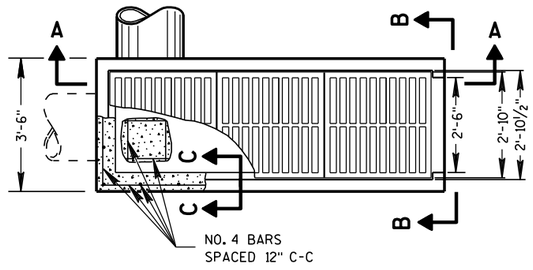
ALL MEDIAN INLETS ARE DESIGNATED ON THE PLANS AS "INLETS, 3G-MS", ETC. THE FIRST NUMBER AND LETTER DESIGNATE THE TYPE OF STRUCTURE, AND THE FOLLOWING LETTERS DESIGNATE THE TYPE OF COVER TO BE USED TO COMPRISE THE COMPLETE UNIT.

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 ASTM C 913.

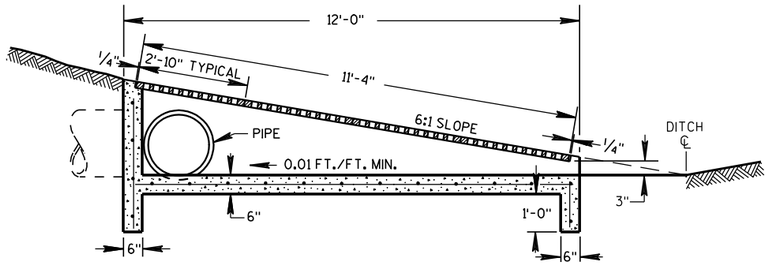


SECTION A-A

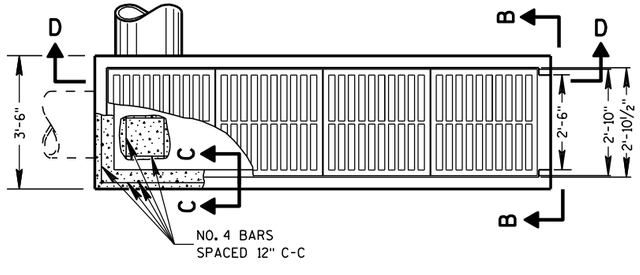


PLAN VIEW

INLETS MEDIAN 3 GRATE



SECTION D-D



PLAN VIEW

INLETS MEDIAN 4 GRATE

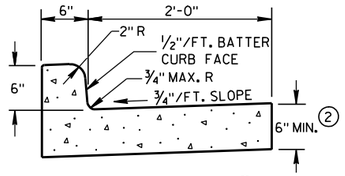
INLETS MEDIAN 3 AND 4 GRATE	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED 6/5/2012 DATE FHWA	/S/ Jerry H. Zogg ROADWAY STANDARDS DEV ENGINEER

6

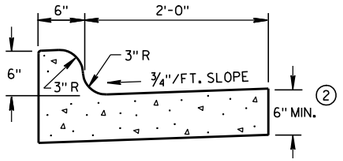
S.D.D. 8 C 9-1

6

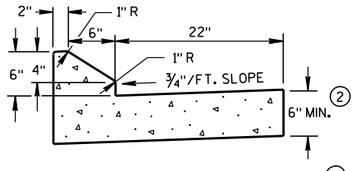
S.D.D. 8 C 9-1



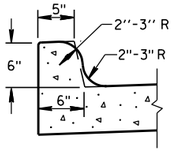
TYPES A & D (1)



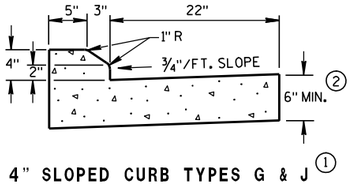
TYPES K & L (1)



6" SLOPED CURB TYPES G & J (1)

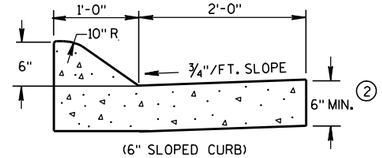


OPTIONAL CURB SHAPE FOR TYPES K & L (1)

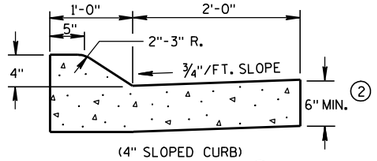


4" SLOPED CURB TYPES G & J (1)

CONCRETE CURB & GUTTER 30"

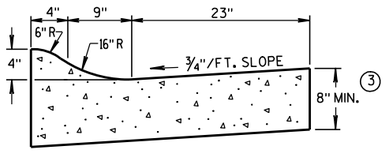


(6" SLOPED CURB)



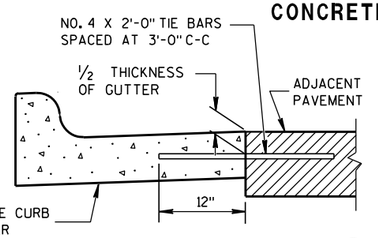
(4" SLOPED CURB)

TYPES A & D (1)

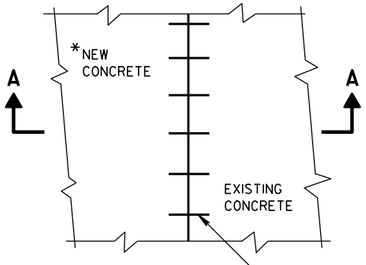


4" SLOPED CURB TYPES R & T (1) (4)

CONCRETE CURB & GUTTER 36"

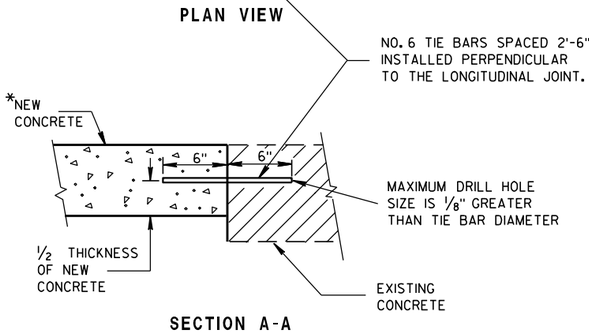


TYPICAL TIE BAR LOCATION (1)



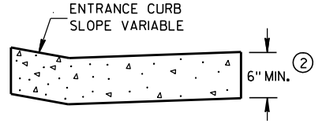
*NEW CURB & GUTTER, SURFACE DRAINS, CONCRETE PAVEMENT OR OTHER NEW CONCRETE.

PLAN VIEW

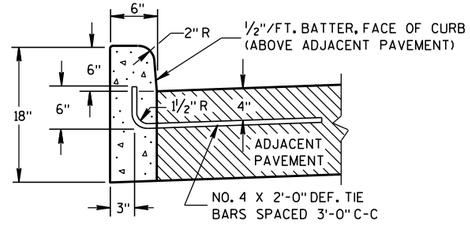


SECTION A-A

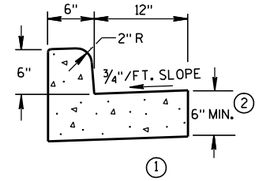
TIE BARS DRILLED INTO EXISTING PAVEMENT



DRIVEWAY ENTRANCE CURB
(WHEN DIRECTED BY THE ENGINEER)

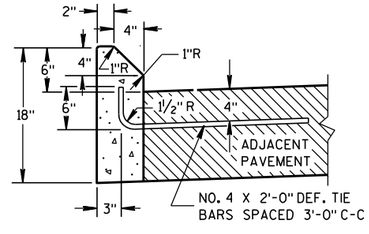


(1)
TYPES A & D



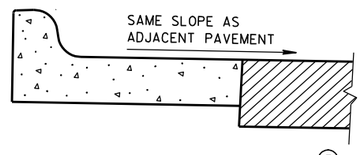
(1)
TYPES A & D

CONCRETE CURB & GUTTER 18"



(1)
TYPES G & J

CONCRETE CURB



REVERSE SLOPE GUTTER (5)
(TYPICAL FOR ALL CURB & GUTTER TYPES)

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

PAVEMENT TIES AND TIE BARS SHALL BE EPOXY COATED IN CONFORMANCE WITH SUBSECTION 505.2.6.2 OF THE STANDARD SPECIFICATIONS.

INTEGRAL CURB & GUTTER SHALL CONFORM TO THE DETAILS SHOWN FOR CONCRETE CURB & GUTTER INCLUDING THE TRANSVERSE GUTTER SLOPE. A LONGITUDINAL CONSTRUCTION JOINT IS NOT REQUIRED WITH INTEGRAL CURB AND GUTTER.

WHERE THE TRANSVERSE JOINTS IN THE PAVEMENT ARE REQUIRED TO BE SEALED, THE JOINTS IN THE INTEGRAL CURB AND GUTTER SHALL BE SEALED TO THE FACE OF CURB WITH THE SAME TYPE OF SEALANT. THE COST OF FURNISHING AND INSTALLING THIS SEALANT SHALL BE INCIDENTAL TO THE ITEM CONCRETE CURB AND GUTTER.

UNLESS OTHERWISE SHOWN ON THE TYPICAL CROSS SECTIONS, THE BASE AGGREGATE AND COMMON EXCAVATION LIMITS ARE 2'-0" BEHIND THE BACK OF CURBS.

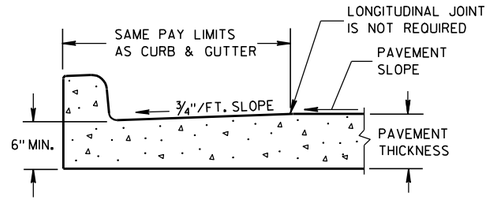
(1) TIE BARS ARE REQUIRED FOR CURB AND GUTTER TYPES A, G, K AND R.

(2) THE BOTTOM OF CURB AND GUTTER MAY BE CONSTRUCTED EITHER LEVEL OR PARALLEL TO THE SLOPE OF THE SUBGRADE OR BASE AGGREGATE PROVIDED A 6" MINIMUM GUTTER THICKNESS IS MAINTAINED.

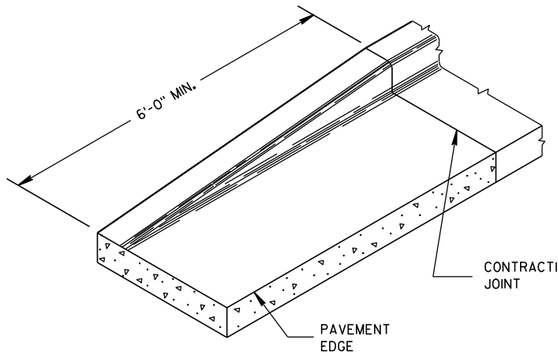
(3) THE BOTTOM OF CURB AND GUTTER MAY BE CONSTRUCTED EITHER LEVEL OR PARALLEL TO THE SLOPE OF THE SUBGRADE OR BASE AGGREGATE PROVIDED A 8" MINIMUM GUTTER THICKNESS IS MAINTAINED.

(4) THE FACE OF CURB IS 6" FROM THE BACK OF CURB.

(5) WHEN REVERSE SLOPE GUTTER IS REQUIRED, THE LOCATION(S) WILL BE SHOWN ELSEWHERE IN THE PLAN.



PARTIAL SECTION OF PAVEMENT WITH INTEGRAL CURB & GUTTER



END SECTION CURB & GUTTER

CONCRETE CURB, CONCRETE CURB & GUTTER AND TIES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

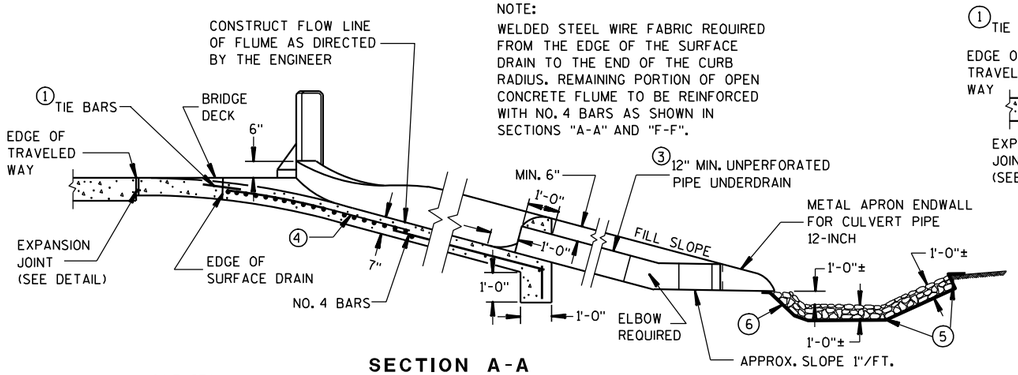
APPROVED
9/4/08 DATE
/S/ Jerry H. [illegible]
ROADWAY STANDARDS ENGINEER
508
FHWA
ENT

6

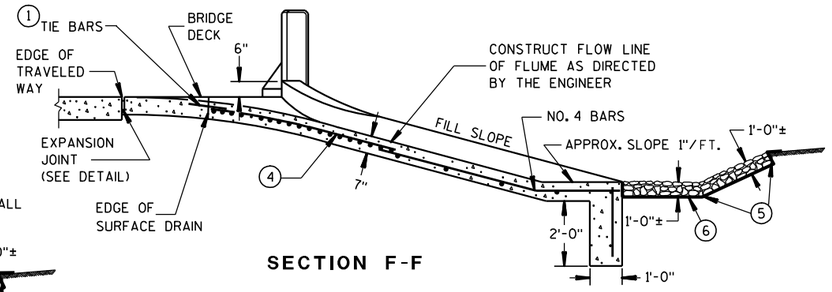
S.D.D. 8 D 1-17

6

S.D.D. 8 D 1-17



SECTION A-A



SECTION F-F

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.

ALL STEEL REINFORCEMENT SHALL BE EMBEDDED 2 INCHES CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

(1) NO. 4 X 2'-0" TIE BARS SPACED AT 3'-0" CENTERS TO BE USED ONLY WHEN ADJACENT TO P.C. CONCRETE.

(2) NO. 4 X 2'-0" TIE BARS SPACED AT 12" CENTERS TO BE PLACED BY BRIDGE CONTRACTOR, OR DRILLED TIE BARS PLACED AS DIRECTED BY THE ENGINEER.

(3) PIPE UNDERDRAIN MAY BE ANY OF THE MATERIALS LISTED IN SECTION 612.2 OF THE STANDARD SPECIFICATIONS EXCEPT DRAIN TILE.

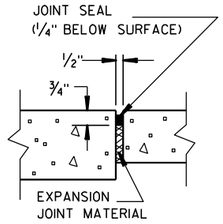
(4) MINIMUM REINFORCEMENT SHALL BE 6" X 6" - W4.0 X W4.0 OR NO. 3 BARS LONGITUDINAL AND TRANSVERSE SPACING 12" C-C.

(5) LIMITS OF ADDITIONAL RIPRAP WHEN SPECIAL DITCH IS REQUIRED.

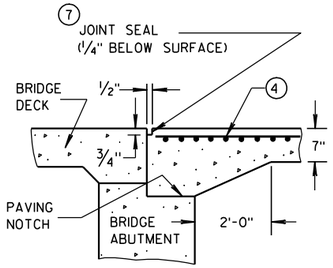
(6) GEOTEXTILE FABRIC, TYPE 'R"

(7) HOT POURED SEALANT UNLESS OTHERWISE SPECIFIED.

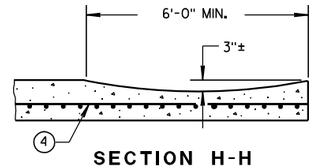
(8) THIS DIMENSION MAY VARY DEPENDING ON THE SPACING OF POSTS FOR THE STEEL PLATE BEAM GUARD. THE TYPICAL LOCATION FOR THE SURFACE DRAIN IS WHERE THE POST SPACING WIDENS TO 3'-1½".



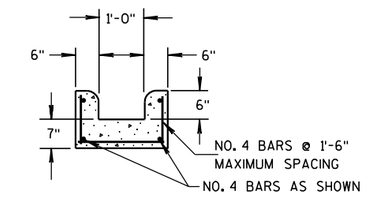
EXPANSION JOINT DETAIL



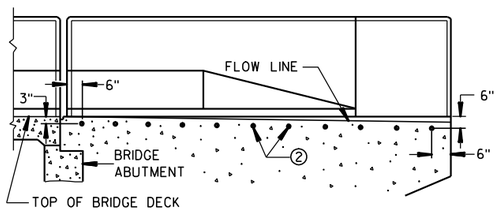
SECTION D-D



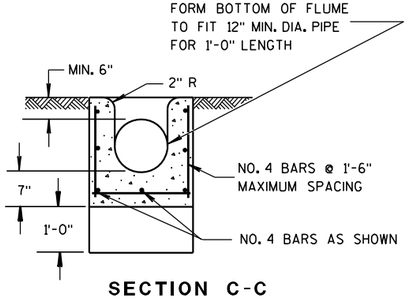
SECTION H-H



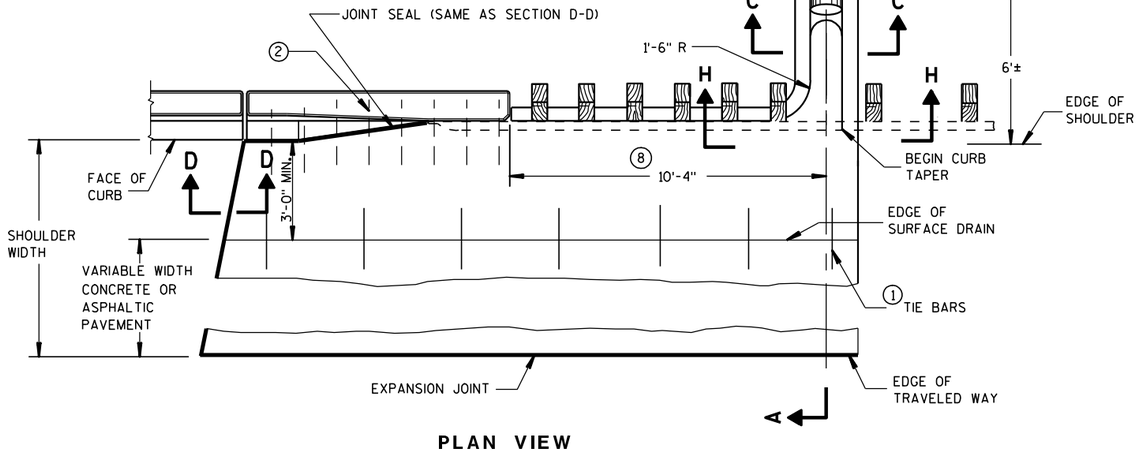
SECTION E-E



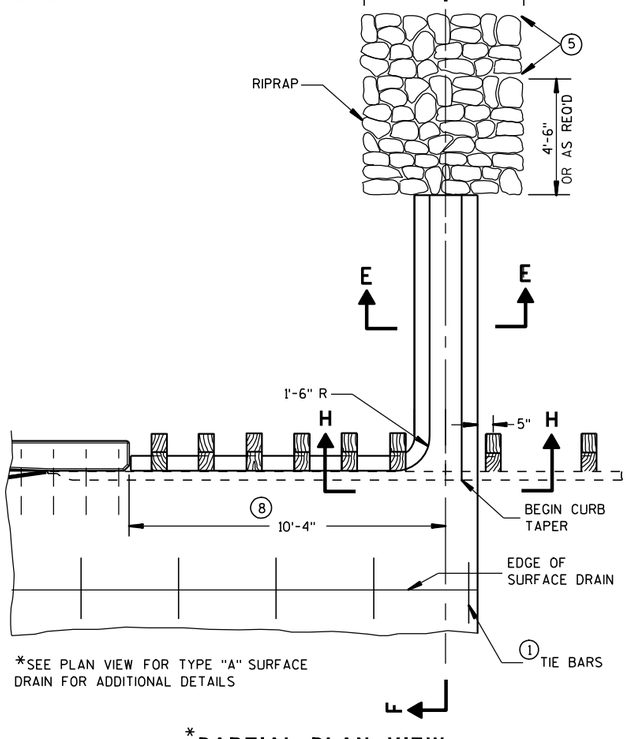
LOCATION OF TIE BARS IN WINGWALL



SECTION C-C



PLAN VIEW
SURFACE DRAIN WITH PIPE
TYPE "A"



*SEE PLAN VIEW FOR TYPE "A" SURFACE DRAIN FOR ADDITIONAL DETAILS

*PARTIAL PLAN VIEW
SURFACE DRAIN WITHOUT PIPE
TYPE "B"

CONCRETE SURFACE DRAINS
FLUME TYPE
AT STRUCTURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
9/4/08
DATE
/S/ Jerry H. Zogg
ROADWAY STANDARDS ENGINEER
509
FHWA

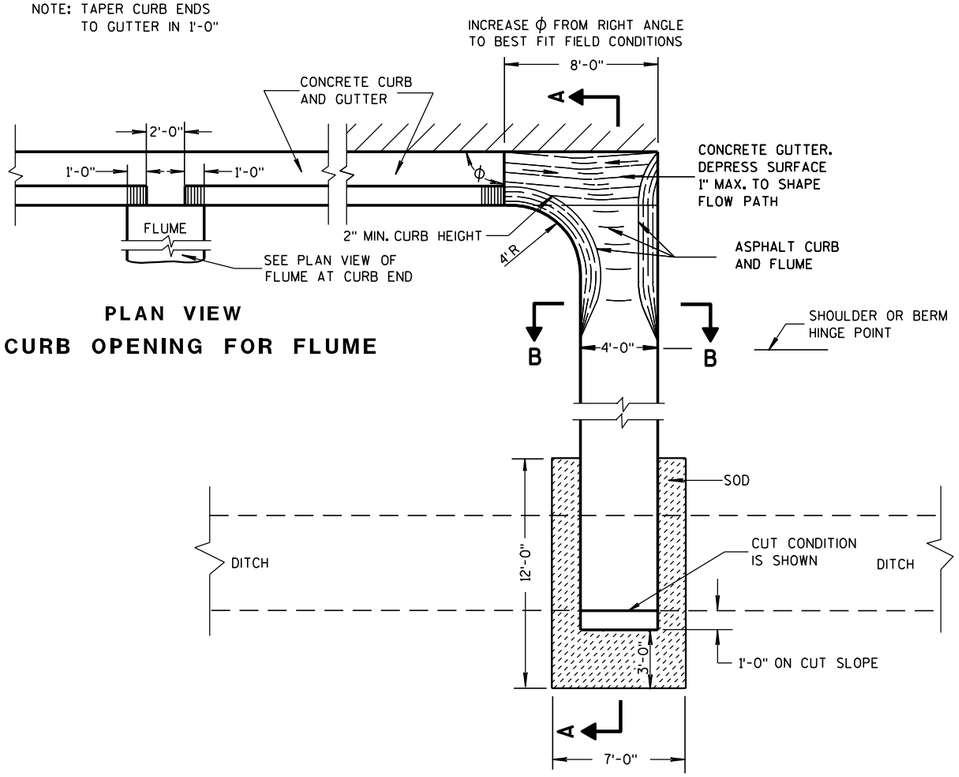
6

S.D.D. 8 D 2-6

6

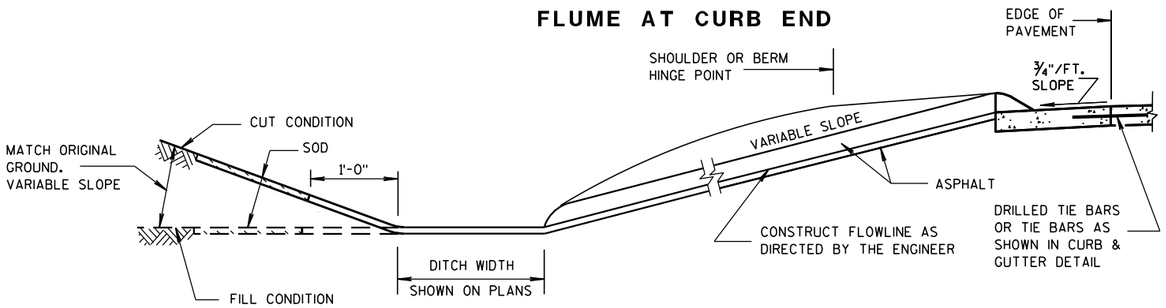
S.D.D. 8 D 2-6

ASPHALTIC FLUME

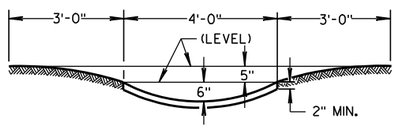


PLAN VIEW
CURB OPENING FOR FLUME

PLAN VIEW
FLUME AT CURB END



SECTION A-A



SECTION B-B

GENERAL NOTES

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

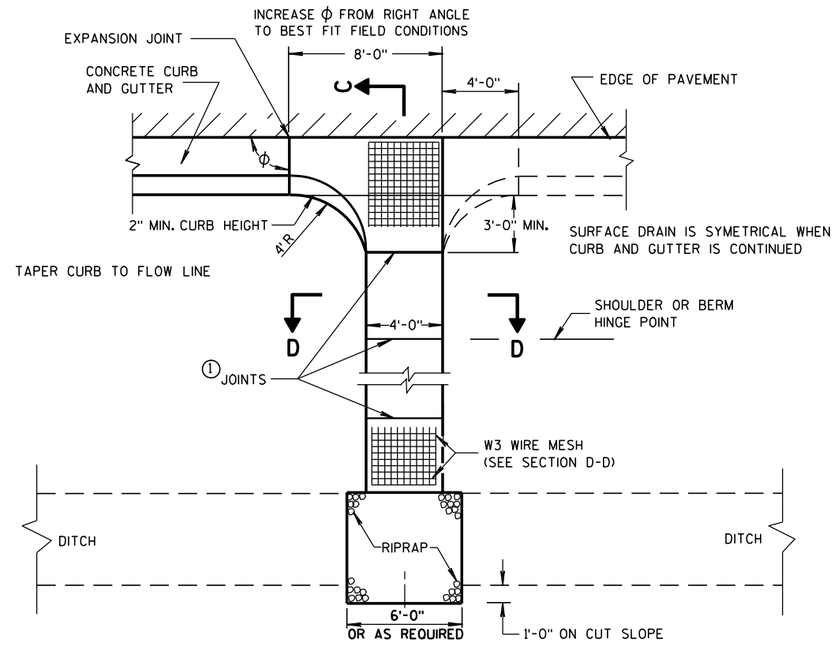
WELDED STEEL WIRE FABRIC SHALL BE IN ACCORDANCE WITH AASHTO SPECIFICATION M55.

① JOINTS SHALL BE $\frac{1}{8}$ TO $\frac{1}{4}$ INCH WIDE BY $1\frac{1}{2}$ INCHES DEEP AND SPACED AT UNIFORM INTERVALS OF APPROXIMATELY 4 FEET.

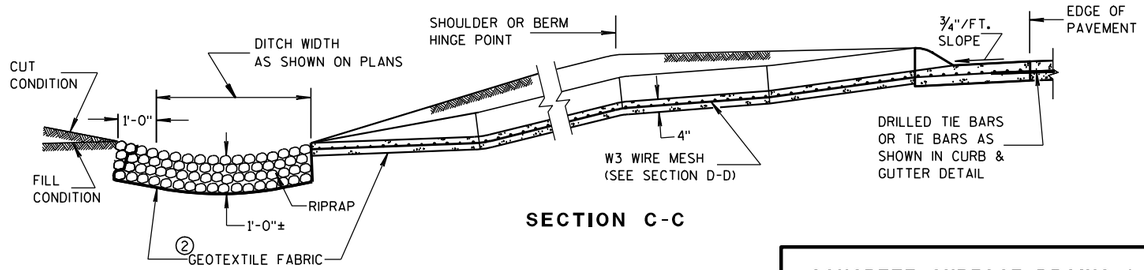
② GEOTEXTILE FABRIC TYPE "R" SHALL UNDERLAY THE FULL LENGTH AND WIDTH OF THE CONCRETE SURFACE DRAIN AND RIPRAP.

③ CONCRETE SURFACE DRAIN WITHOUT CURB AND GUTTER MAY BE USED ON BACKSLOPES WHEN SPECIFIED

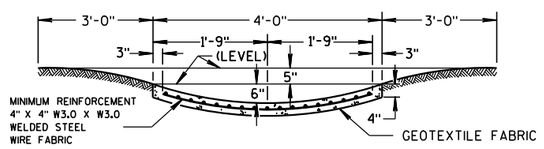
③ CONCRETE SURFACE DRAIN



PLAN VIEW



SECTION C-C



SECTION D-D

CONCRETE SURFACE DRAINS & ASPHALTIC FLUMES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

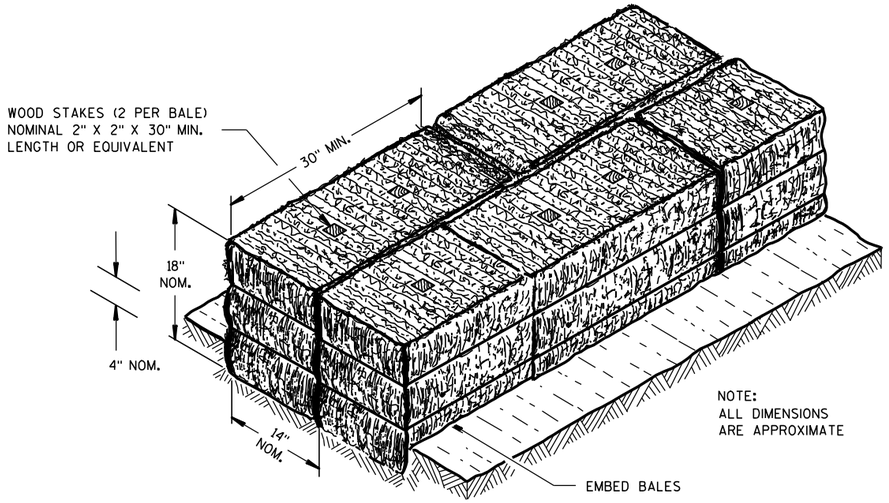
APPROVED
9-4-08 DATE
/S/ Jerry H. ... ROADWAY STANDARDS ENGINEER
FHWA

6

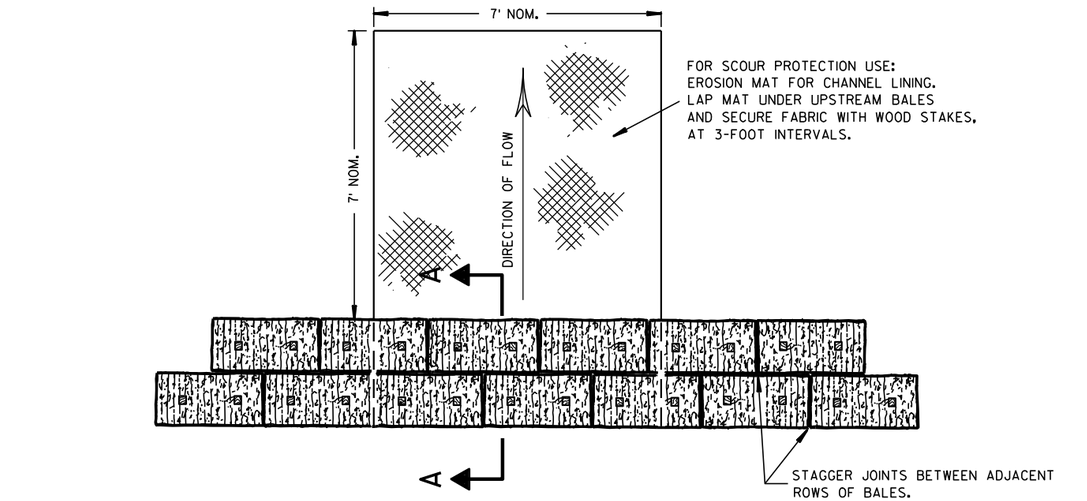
S.D.D. 8 D 4-5

6

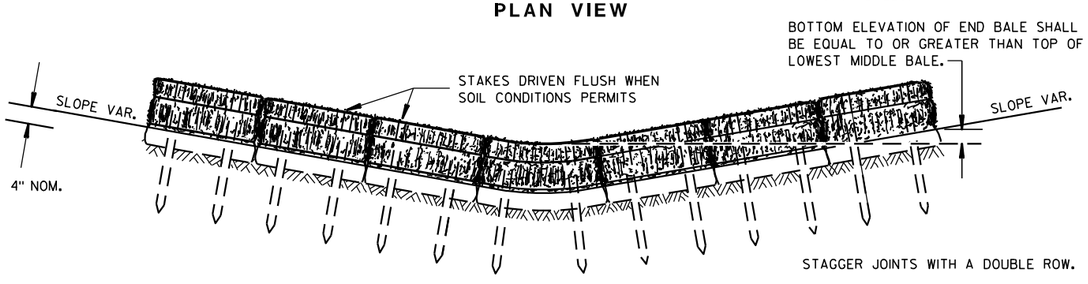
S.D.D. 8 D 4-5



SECTION A-A



PLAN VIEW



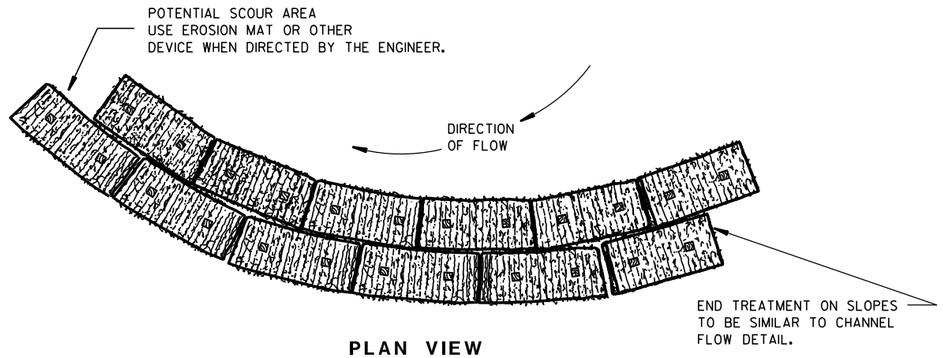
FRONT ELEVATION

TEMPORARY DITCH CHECK USING EROSION BALES ①

GENERAL NOTES

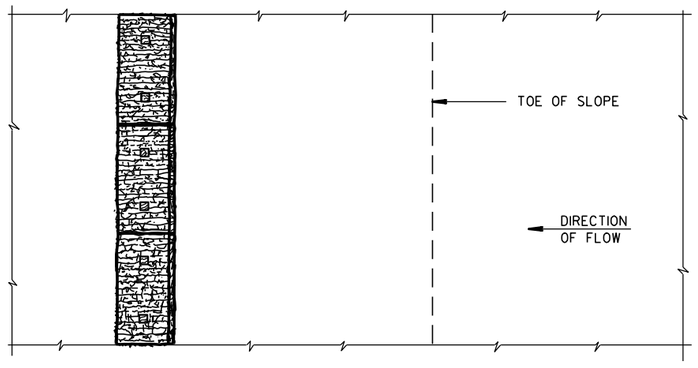
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

① TEMPORARY DITCH CHECKS EITHER EROSION BALES OR MANUFACTURED SHALL BE PAID FOR UNDER THE BID ITEM OF TEMPORARY DITCH CHECK. THE DEPARTMENT WILL NOT PAY FOR TEMPORARY DITCH CHECKS CONSTRUCTED OF A SINGLE ROW OF EROSION BALES.

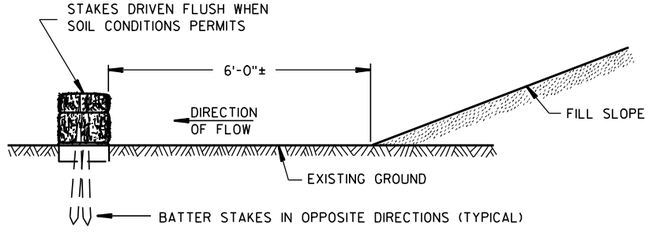


PLAN VIEW

WHEN ALTERING THE DIRECTION OF FLOW



PLAN VIEW



FRONT ELEVATION

WHEN EXISTING GROUND SLOPES AWAY FROM FILL SLOPE

EROSION BALES FOR SHEET FLOW

TYPICAL INSTALLATIONS OF EROSION BALES / TEMPORARY DITCH CHECKS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

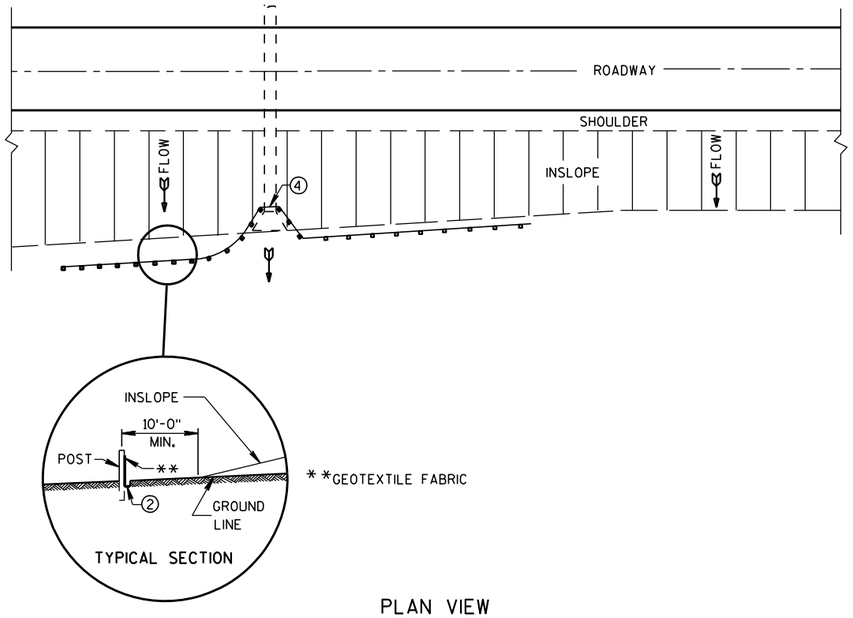
APPROVED

6/04/02 DATE — /S/ Beth Cannestra — CHIEF ROADWAY DEVELOPMENT ENGINEER

FHWA

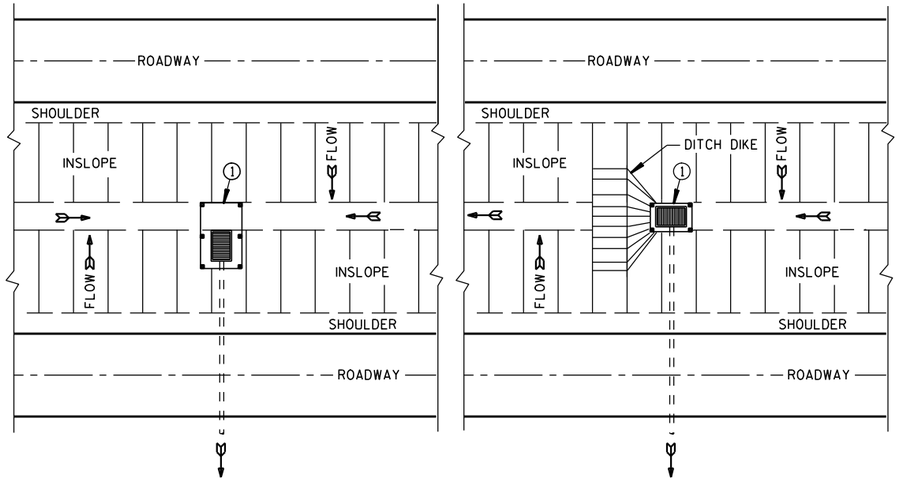
6

S.D.D. 8 E 8-3



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.

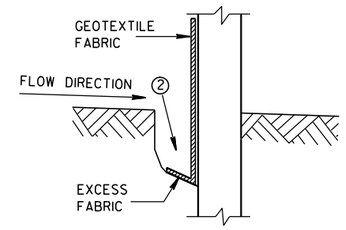
① HORIZONTAL BRACE REQUIRED WITH 2" X 4" WOODEN FRAME OR EQUIVALENT AT TOP OF POSTS.

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.

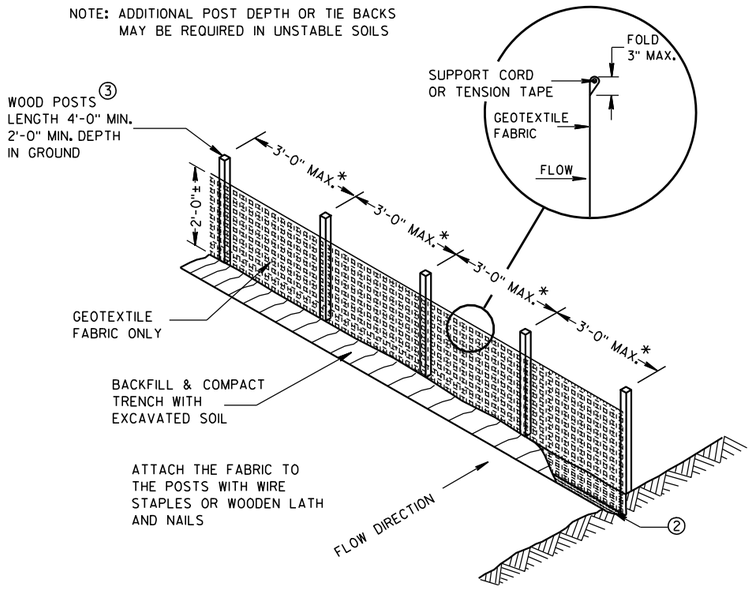
③ WOOD POSTS SHALL BE A MINIMUM SIZE OF 1⅛" X 1⅛" OF OAK OR HICKORY.

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.

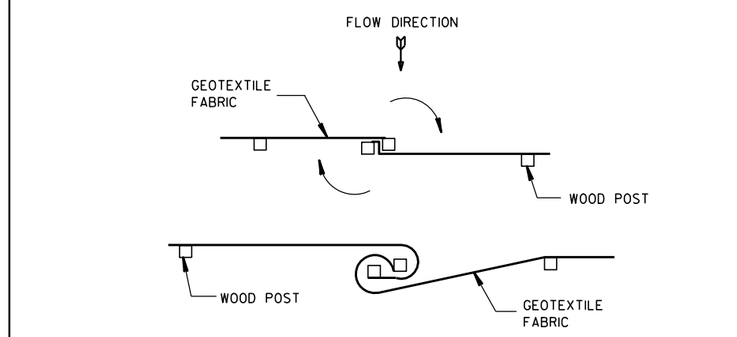


TRENCH DETAIL

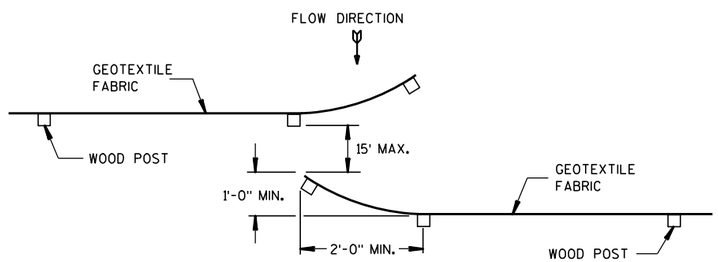


*NOTE: 8'-0" POST SPACING ALLOWED IF A WOVEN GEOTEXTILE FABRIC IS USED.

SILT FENCE

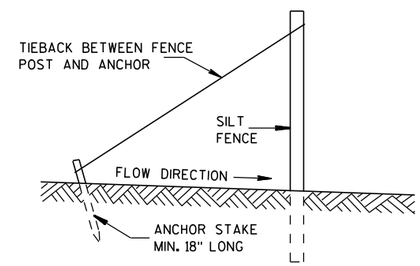


TWIST METHOD



HOOK METHOD

JOINING TWO LENGTHS OF SILT FENCE ⑤



SILT FENCE TIE BACK

(WHEN REQUIRED BY THE ENGINEER)

SILT FENCE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

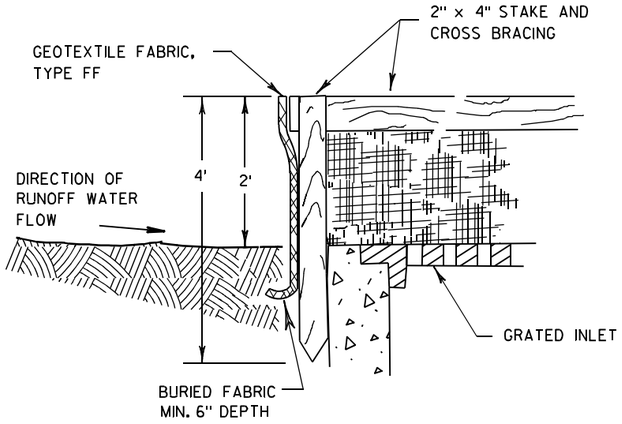
APPROVED
4-29-05 DATE
/S/ Beth Cannestra
CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

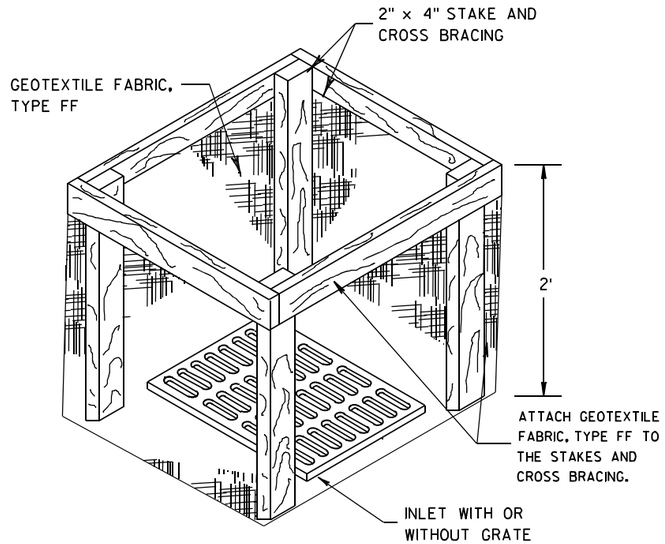
6

S.D.D. 8 E 9-6

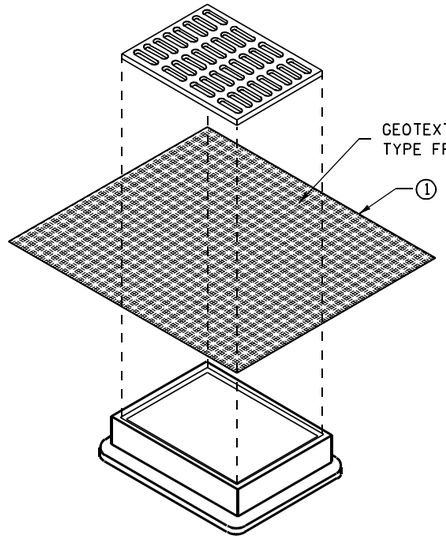
6

S.D.D. 8 E 9-6



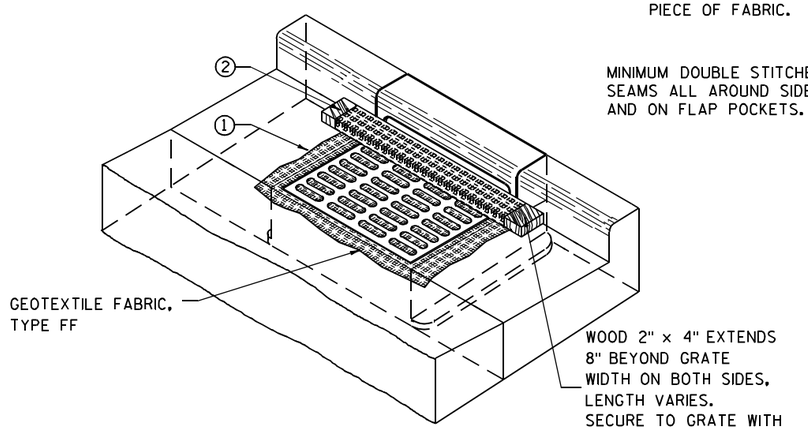


INLET PROTECTION, TYPE A

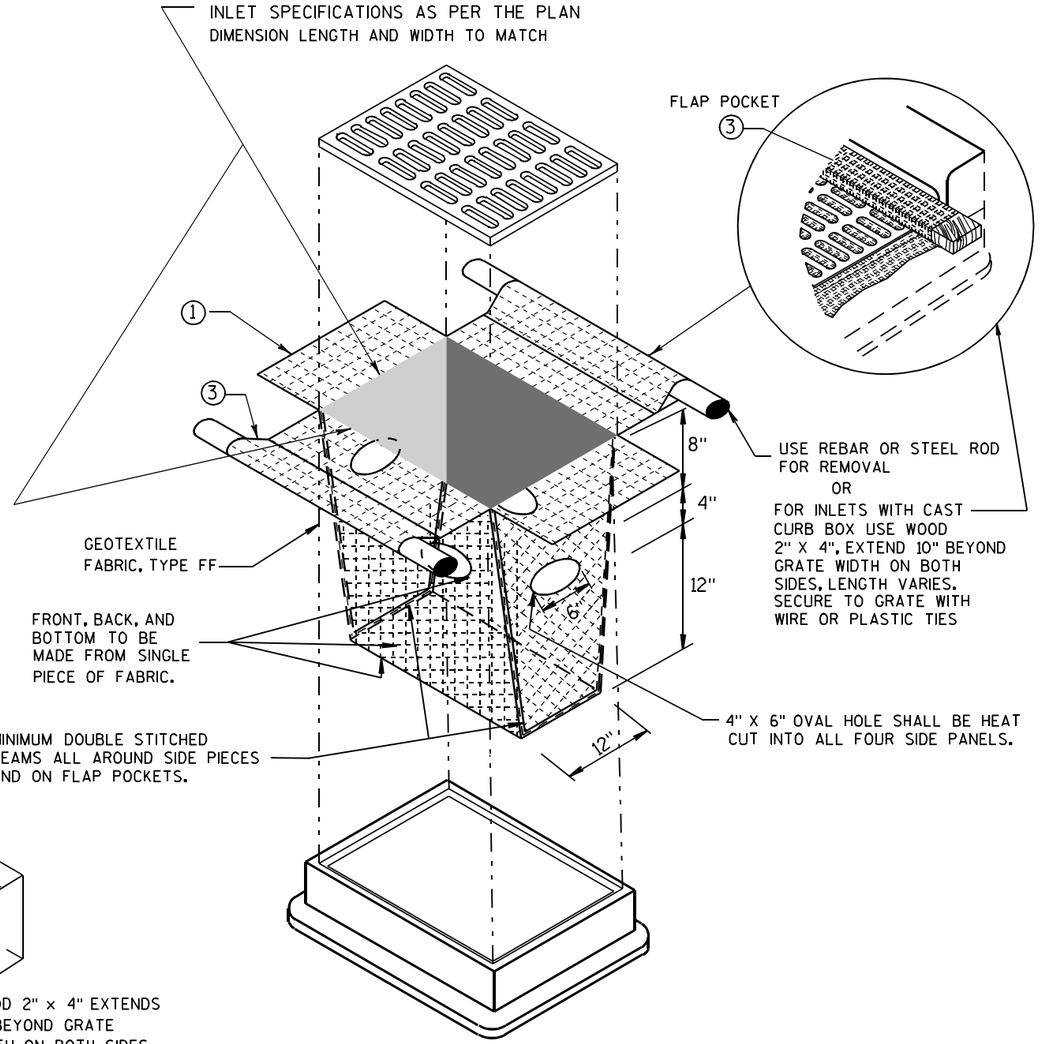


INLET PROTECTION, TYPE B
(WITHOUT CURB BOX)

(CAN BE INSTALLED IN ANY INLET WITHOUT A CURB BOX)



INLET PROTECTION, TYPE C (WITH CURB BOX)



INLET PROTECTION, TYPE D

(CAN BE INSTALLED IN ANY INLET TYPE WITH
OR WITHOUT A CURB BOX AS PER NOTE ②)

GENERAL NOTES

INLET PROTECTION DEVICES SHALL BE MAINTAINED OR REPLACED AT THE DIRECTION OF THE ENGINEER.

MANUFACTURED ALTERNATIVES APPROVED AND LISTED ON THE DEPARTMENT'S EROSION CONTROL PRODUCT ACCEPTABILITY LIST MAY BE SUBSTITUTED.

WHEN REMOVING OR MAINTAINING INLET PROTECTION, CARE SHALL BE TAKEN SO THAT THE SEDIMENT TRAPPED ON THE GEOTEXTILE FABRIC DOES NOT FALL INTO THE INLET. ANY MATERIAL FALLING INTO THE INLET SHALL BE REMOVED IMMEDIATELY.

① FINISHED SIZE, INCLUDING FLAP POCKETS WHERE REQUIRED, SHALL EXTEND A MINIMUM OF 10" AROUND THE PERIMETER TO FACILITATE MAINTENANCE OR REMOVAL.

② FOR INLET PROTECTION, TYPE C (WITH CURB BOX), AN ADDITIONAL 18" OF FABRIC IS WRAPPED AROUND THE WOOD AND SECURED WITH STAPLES. THE WOOD SHALL NOT BLOCK THE ENTIRE HEIGHT OF THE CURB BOX OPENING.

③ FLAP POCKETS SHALL BE LARGE ENOUGH TO ACCEPT WOOD 2X4.

INSTALLATION NOTES

TYPE B & C

TRIM EXCESS FABRIC IN THE FLOW LINE TO WITHIN 3" OF THE GRATE.

THE CONTRACTOR SHALL DEMONSTRATE A METHOD OF MAINTENANCE, USING A SEWN FLAP, HAND HOLDS OR OTHER METHOD TO PREVENT ACCUMULATED SEDIMENT FROM ENTERING THE INLET.

TYPE D

DO NOT INSTALL INLET PROTECTION TYPE D IN INLETS SHALLOWER THAN 30", MEASURED FROM THE BOTTOM OF THE INLET TO THE TOP OF THE GRATE.

TRIM EXCESS FABRIC IN THE FLOW LINE TO WITHIN 3" OF THE GRATE.

THE INSTALLED BAG SHALL HAVE A MINIMUM SIDE CLEARANCE, BETWEEN THE INLET WALLS AND THE BAG, MEASURED AT THE BOTTOM OF THE OVERFLOW HOLES, OF 3". WHERE NECESSARY THE CONTRACTOR SHALL CINCH THE BAG, USING PLASTIC ZIP TIES, TO ACHIEVE THE 3" CLEARANCE. THE TIES SHALL BE PLACED AT A MAXIMUM OF 4" FROM THE BOTTOM OF THE BAG.

INLET PROTECTION
TYPE A, B, C, AND D

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

10/16/02
DATE

/S/ Beth Cannestra
CHIEF ROADWAY DEVELOPMENT ENGINEER

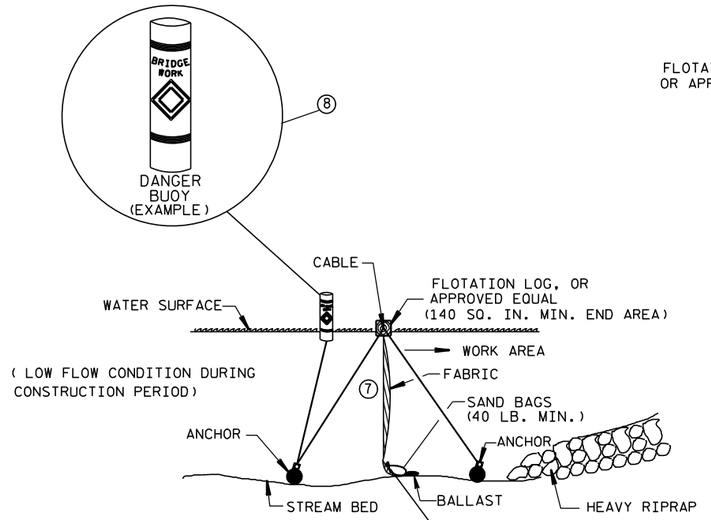
FHWA

6

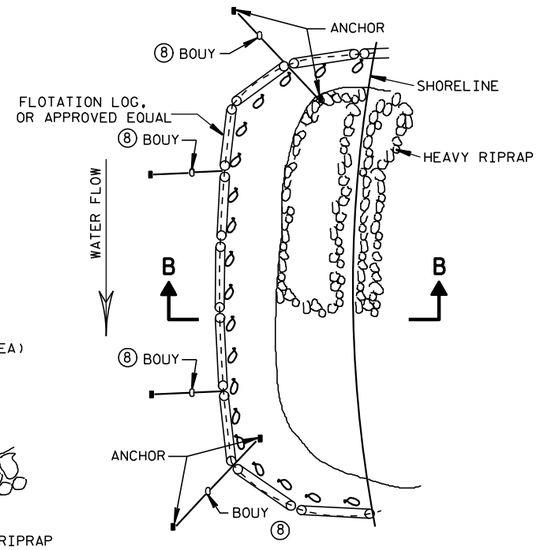
S.D.D. 8 E 10-2

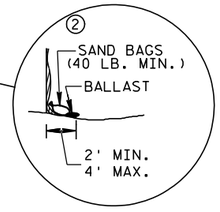
6

S.D.D. 8 E 10-2

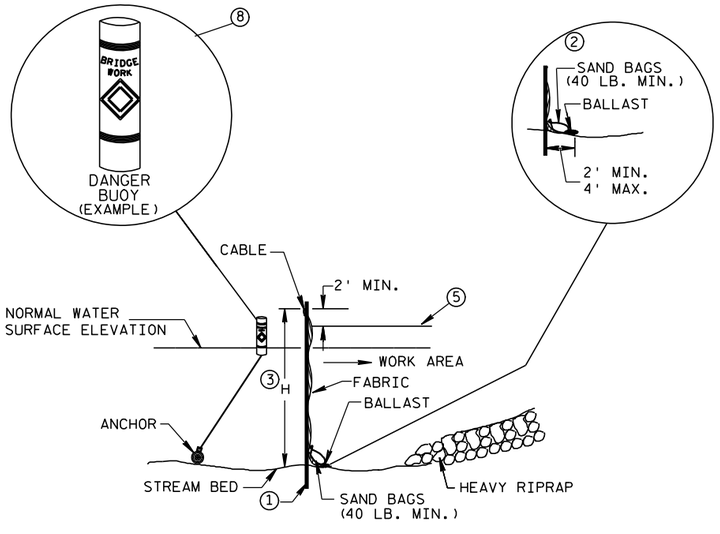


SECTION B-B

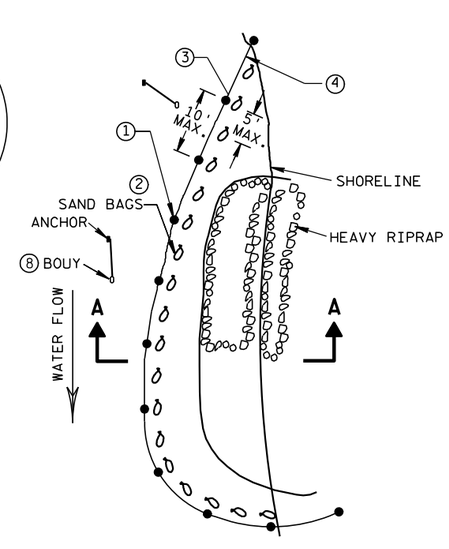




TURBIDITY BARRIER FLOAT ALTERNATIVE
CAUTION - SEE NOTE 6



SECTION A-A



PLAN VIEW

TURBIDITY BARRIER STANDARD POST INSTALLATION

TURBIDITY BARRIER PLACEMENT 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.

TURBIDITY BARRIER MAY BE REMOVED AT THE ENGINEERS DISCRETION, WHEN PERMANENT EROSION CONTROL MEASURES HAVE BEEN ESTABLISHED.

① DRIVEN STEEL POSTS, PIPES, OR CHANNELS. LENGTH SHALL BE SUFFICIENT TO SECURELY SUPPORT BARRIER AT HIGH WATER ELEVATIONS.

② SANDBAGS TO BE USED AS ADDITIONAL BALLAST WHEN ORDERED BY THE ENGINEER TO MEET ADVERSE FIELD CONDITIONS. SPACE AS APPROPRIATE FOR SITE CONDITIONS.

③ WHEN BARRIER HEIGHT, H, EXCEEDS 8 FT., POST SPACING MAY NEED TO BE DECREASED.

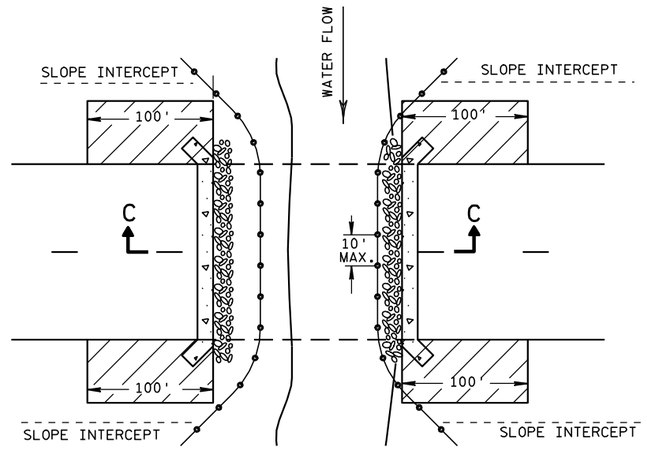
④ IN WATERWAYS SUBJECT TO FLUCTUATING WATER ELEVATIONS, PROVISIONS SHOULD BE MADE TO ALLOW THE WATER TO EQUALIZE ON EACH SIDE OF THE BARRIER. THIS MAY BE ACCOMPLISHED BY LEAVING A PORTION OF THE BARRIER OPEN ON THE UPSTREAM END.

⑤ ESTIMATED HIGH WATER ELEVATION DURING CONSTRUCTION PERIOD. MIMIMUM BARRIER HEIGHT SHALL BE 2'GREATER THAN EITHER THE O2 ELEVATION OR THE ESTIMATED HIGH WATER ELEVATION DURING CONSTRUCTION, WICHEVER IS GREATER.

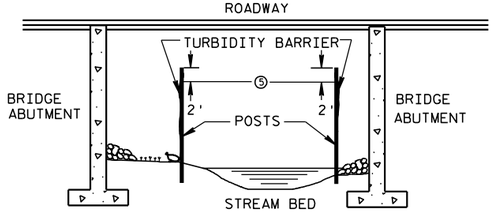
⑥ FLOAT ALTERNATIVE WILL ONLY BE ALLOWED WITH WRITTEN APPROVAL OF THE ENGINEER, AND IS MEANT FOR LOCATIONS WHERE BED ROCK PREVENTS THE INSTALLATION OF POSTS.

⑦ ALLOW SUFFICIENT SLACK VERTICALLY AND HORIZONTALLY SO THAT SEDIMENT BUILD UP WILL NOT SEPARATE OR LOWER THE TURBIDITY BARRIER.

⑧ USE AS DIRECTED BY COAST GUARD OR DNR PERMIT WHEN WORKING IN NAVIGABLE WATERWAYS.



PLAN VIEW



SECTION C-C

TURBIDITY BARRIER DETAIL SHOWING TYPICAL PLACEMENT AT STRUCTURES

TURBIDITY BARRIER

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
6/04/02 — DATE
/S/ Beth Cannestra — CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

6

S.D.D. 8 E 11-2

6

S.D.D. 8 E 11-2

METAL APRON ENDWALLS

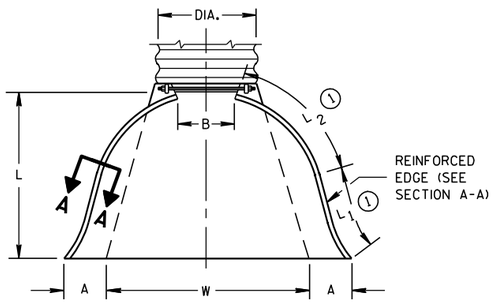
PIPE DIA. (IN.)	MIN. THICK. (Inches) STEEL	MIN. THICK. (Inches) ALUM.	DIMENSIONS (Inches) A (±1")	B (MAX.)	H (±1")	L (±1 1/2")	L1 ①	L2 ①	W (±2")	APPROX. SLOPE	BODY
12	.064	.060	6	6	6	21	12	17 1/2	24	2 1/2 to 1	1 Pc.
15	.064	.060	7	8	6	26	14	21 3/4	30	2 1/2 to 1	1 Pc.
18	.064	.060	8	10	6	31	15	28 1/4	36	2 1/2 to 1	1 Pc.
21	.064	.060	9	12	6	36	18	29 5/8	42	2 1/2 to 1	1 Pc.
24	.064	.075	10	13	6	41	18	37 1/4	48	2 1/2 to 1	1 Pc.
30	.079	.075	12	16	8	51	18	52 1/4	60	2 1/2 to 1	1 Pc.
36	.079	.105	14	19	9	60	24	59 3/4	72	2 1/2 to 1	2 Pc.
42	.109	.105	16	22	11	69	24	75 5/8	84	2 1/2 to 1	2 Pc.
48	.109	.105	18	27	12	78	24	81	90	2 1/4 to 1	3 Pc.
54	.109	.105	18	30	12	84	30	85 1/2	102	2 1/4 to 1	3 Pc.
60	.109×	.105×	18	33	12	87	—	—	114	2 to 1	3 Pc.
66	.109×	.105×	18	36	12	87	—	—	120	2 to 1	3 Pc.
72	.109×	.105×	18	39	12	87	—	—	126	2 to 1	3 Pc.
78	.109×	.105×	18	42	12	87	—	—	132	1 1/2 to 1	3 Pc.
84	.109×	.105×	18	45	12	87	—	—	138	1 1/2 to 1	3 Pc.
90	.109×	.105×	18	37	12	87	—	—	144	1 1/2 to 1	3 Pc.
96	.109×	.105×	18	35	12	87	—	—	150	1 1/2 to 1	3 Pc.

× EXCEPT CENTER PANEL SEE GENERAL NOTES

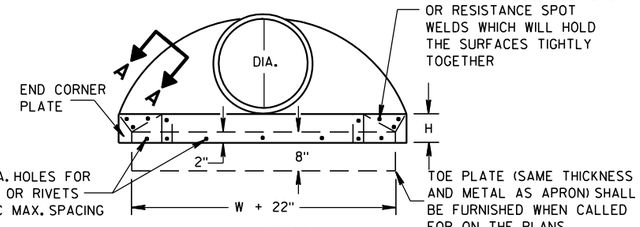
REINFORCED CONCRETE APRON ENDWALLS

PIPE DIA. (IN.)	DIMENSIONS (Inches) T	A	B	C	D	E	G	APPROX. SLOPE
12	2	4	24	48 7/8	72 1/8	24	2	3 to 1
15	2 1/4	6	27	46	73	30	2 1/4	3 to 1
18	2 1/2	9	27	46	73	36	2 1/2	3 to 1
21	2 3/4	9	36	37 1/2	73 1/2	42	2 3/4	3 to 1
24	3	9 1/2	43 1/2	30	73 1/2	48	3	3 to 1
27	3 1/4	10 1/2	49 1/2	24	73 1/2	54	3 1/4	3 to 1
30	3 1/2	12	54	19 3/4	73 1/2	60	3 1/2	3 to 1
36	4	15	63	34 3/4	97 3/4	72	4	3 to 1
42	4 1/2	21	63	35	98	78	4 1/2	3 to 1
48	5	24	72	26	98	84	5	3 to 1
54	5 1/2	27	65	* 33 1/4 - ** 35	* 98 1/4 - ** 100	90	5 1/2	2 2/5 to 1
60	6	* 30 - ** 35	60	39	99	96	5	2 to 1
66	6 1/2	* 24 - ** 30	* 72 - ** 78	* 21 - ** 27	99	102	5 1/2	2 to 1
72	7	* 24 - ** 36	78	21	99	108	6	2 to 1
78	7 1/2	* 24 - ** 36	78	21	99	114	6 1/2	2 to 1
84	8	36	90 1/2	21	111 1/2	120	6 1/2	1 1/2 to 1
90	8 1/2	41	87 1/2	24	111 1/2	132	6 1/2	1 1/2 to 1

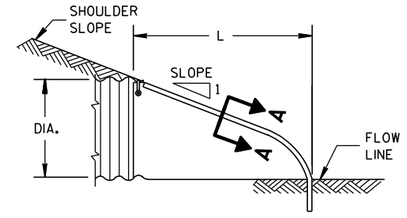
*MINIMUM
**MAXIMUM



PLAN VIEW

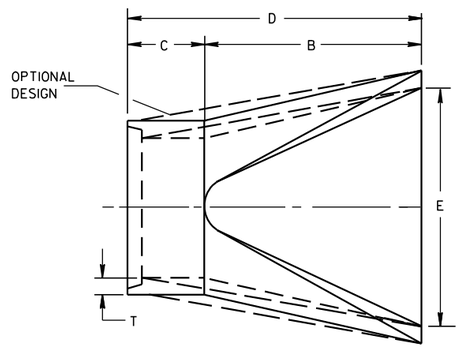


END VIEW

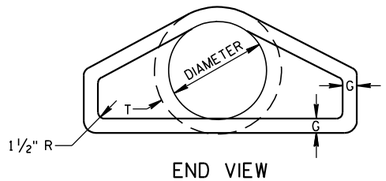


SIDE ELEVATION

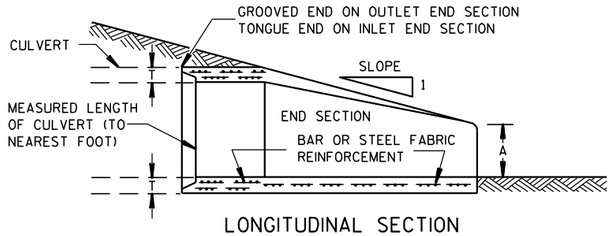
METAL ENDWALLS



PLAN

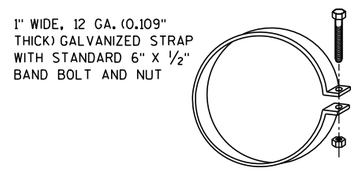


END VIEW



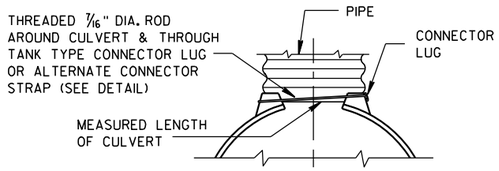
LONGITUDINAL SECTION

CONCRETE ENDWALLS

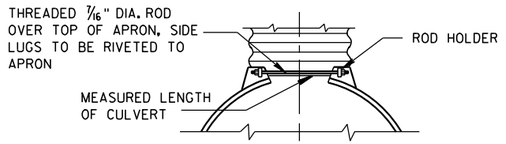


ALTERNATE FOR TYPE 1 CONNECTION

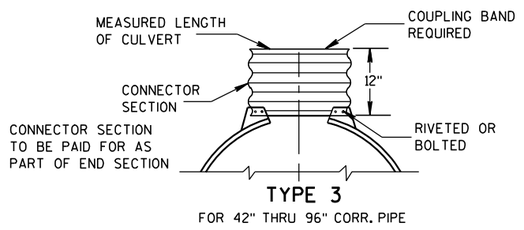
END SECTION CONNECTOR STRAP



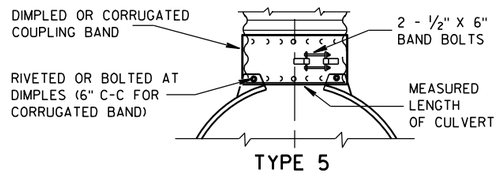
TYPE 1
FOR 12" THRU 24" CORR. PIPE



TYPE 2
FOR 30" THRU 96" CORR. PIPE



TYPE 3
FOR 42" THRU 96" CORR. PIPE



TYPE 5
ALTERNATE FOR:
ALL SIZES CORRUGATED CIRCULAR PIPE

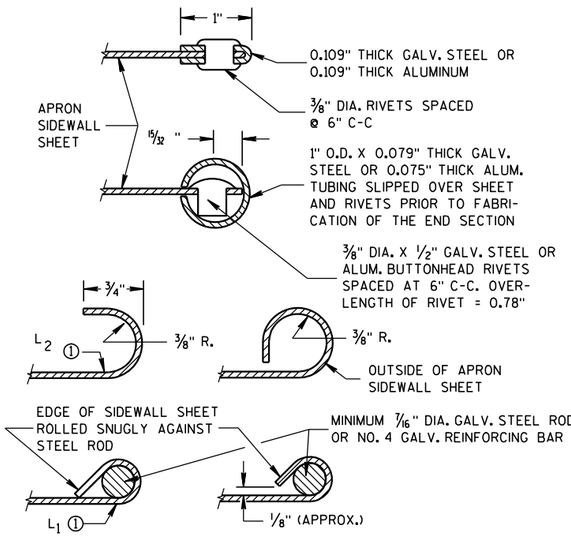
NOTE: DIMPLED BAND FITS OVER OUTSIDE OF ENDWALL. AND CORRUGATED BAND FITS INSIDE ENDWALL. DIMPLED BAND MAY BE USED WITH HELICALLY CORRUGATED PIPE.

FOR CIRCUMFERENTIALLY CORRUGATED PIPE USE ENDWALL CONNECTION DETAILS 1, 2, 3 OR 5 AS APPLICABLE.

FOR HELICALLY CORRUGATED PIPE USE ENDWALL CONNECTION DETAILS 1, 2 OR 5.

FOR HELICALLY CORRUGATED PIPES WITH TWO CIRCUMFERENTIAL CORRUGATIONS AT EACH END USE ENDWALL CONNECTION DETAILS 1, 2 OR 3.

CONNECTION DETAILS



SECTION A-A

GENERAL NOTES

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

CONCRETE CULVERT ENDWALLS MAY NOT BE USED WITH GALVANIZED STEEL OR ALUMINUM CULVERT PIPE OR VISE VERSA. GALVANIZED STEEL OR ALUMINUM ENDWALLS SHALL NORMALLY BE INSTALLED ON CULVERT PIPE OF THE SAME METAL.

ALL THREE PIECE STEEL APRON ENDWALLS FOR 60" DIAMETER PIPE AND LARGER SHALL HAVE 0.109" SIDES AND 0.138" CENTER PANELS. ALL THREE PIECE ALUMINUM APRON ENDWALLS FOR 60" DIAMETER PIPE AND LARGER SHALL HAVE 0.105" SIDES AND 0.134" CENTER PANELS. THE WIDTH OF CENTER PANELS SHALL BE GREATER THAN 20 PERCENT OF THE PIPE PERIMETER.

LAP SEAMS SHALL BE TIGHTLY JOINED BY GALVANIZED RIVETS OR BOLTS FOR STEEL UNITS AND ALUMINUM RIVETS AND BOLTS FOR ALUMINUM UNITS. FOR THE 60" THROUGH 96" DIAMETER APRON ENDWALL SIZES, THE REINFORCED EDGES AND CENTER PANEL SEAMS SHALL BE FURTHER REINFORCED WITH GALVANIZED STEEL OR ALUMINUM STIFFENER ANGLES. THE ANGLES SHALL BE ATTACHED BY GALVANIZED NUTS AND BOLTS FOR STEEL UNITS AND ALUMINUM NUTS AND BOLTS FOR ALUMINUM UNITS.

WHERE TWO OR MORE PIPES WITH APRON ENDWALLS ARE LAID ADJACENT TO EACH OTHER, THEY SHALL BE SEPARATED BY A DISTANCE SUFFICIENT TO PROVIDE A MINIMUM CLEARANCE OF 6 INCHES BETWEEN APRON ENDWALLS.

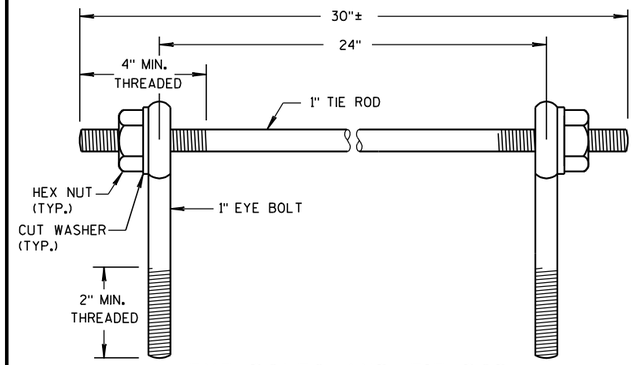
① FOR PIPE SIZES UP TO 60" DIAMETER, A 180° ROLLED EDGE MAY BE USED INSTEAD OF STEEL ROD REINFORCEMENT. SEE SECTION A-A.

APRON ENDWALLS FOR CULVERT PIPE

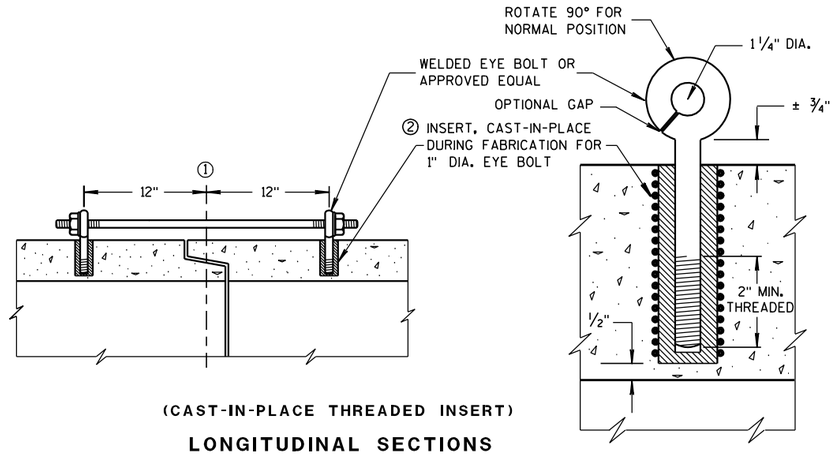
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
11/30/94 DATE
/S/ Rory L. Rhinesmith
CHIEF ROADWAY DEVELOP 515 NEER
FHWA

6
S.D.D. 8 F 1-11



EYE BOLTS AND TIE ROD



(CAST-IN-PLACE THREADED INSERT)

LONGITUDINAL SECTIONS

EYE BOLT AND TIE ROD ASSEMBLY (ALTERNATE NO. 1)

GENERAL NOTES

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

CONCRETE CULVERT AND STORM SEWER PIPE SHALL BE TIED TOGETHER IN THE MANNER ILLUSTRATED BY THIS DETAIL AT LOCATIONS DESIGNATED IN THE STANDARD SPECIFICATIONS AND THE PLAN. THE CONTRACTOR MAY USE EITHER ALTERNATE 1, 2 OR 3 FOR DRAINAGE STRUCTURES. ONLY ALTERNATE 1 AND 3 MAY BE USED FOR CATTLE PASSES, UNLESS OTHERWISE STATED IN THE CONTRACT. THE MATERIALS, FABRICATION AND WORK NECESSARY TO TIE THE PIPE BY THIS DETAIL WILL BE CONSIDERED INCIDENTAL TO THE PIPE AND APRON ENDWALLS IF REQUIRED.

DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR JOINT TIES SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL.

JOINT TIES TO BE HOT-DIP GALVANIZED PER ASTM A 153.

① ℄ OF TONGUE AND GROOVE OR BELL AND SPIGOT JOINTS.

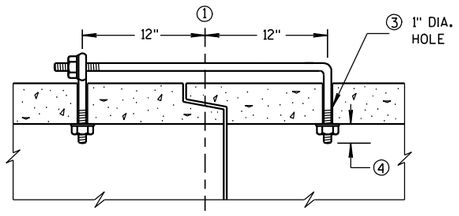
② THE INSIDE OF THE THREADED INSERTS SHALL BE CLEAN TO ALLOW THE INSERTION OF THREADED EYE BOLTS.

③ HOLES SHALL BE CAST-IN-PLACE OR DRILLED 12 INCHES FROM ℄ OF TONGUE AND GROOVE.

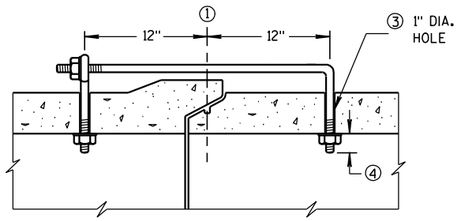
④ BOLT PROJECTION INSIDE OF PIPE SHALL NOT EXCEED 2 INCHES.

⑤ OPENING TO BE ROD DIAMETER PLUS 1 INCH.

⑥ LENGTH ADEQUATE TO EXTEND TO WITHIN 1/2 INCH OF THE INNER SURFACE OF THE PIPE.



(TONGUE & GROOVE PIPE)

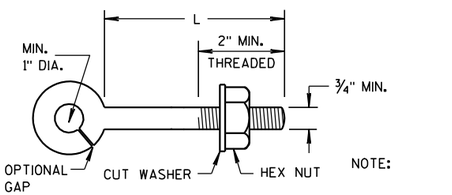


(MODIFIED BELL PIPE)

LONGITUDINAL SECTION

EYE BOLT DIMENSION TABLE

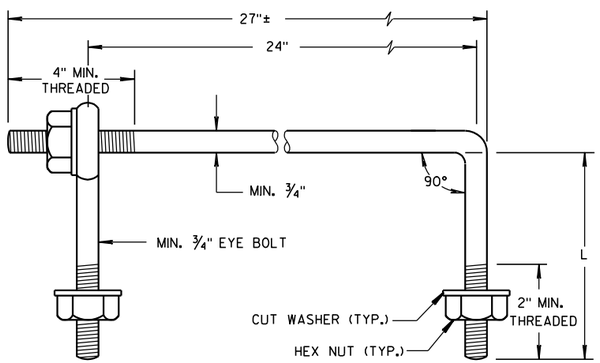
PIPE SIZE	L = LENGTH	
	TONGUE & GROOVE PIPE	MODIFIED BELL PIPE
18" TO 24"	4 1/2"	6 1/4"
30"	5"	7"
36"	5 1/2"	7"
42"	6"	
48"	6 1/2"	
60"	7 1/2"	
66"	8"	



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

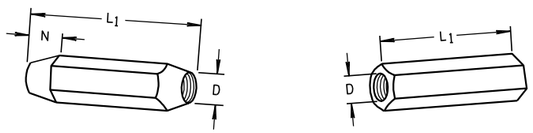
(JOINT TIES FOR 18" TO 66" DIA. CONCRETE PIPE)

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

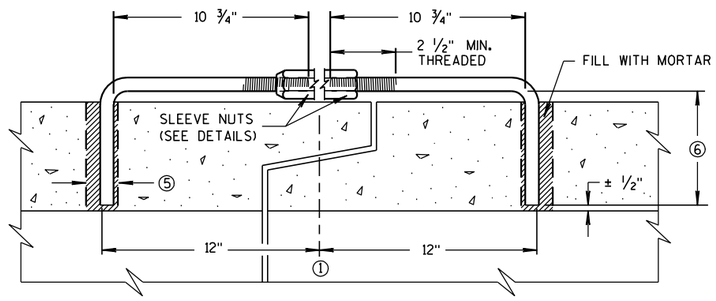
DIMENSIONS SHOWN ARE IN INCHES



TAPERED PLAIN

RIGHT AND LEFT THREADS

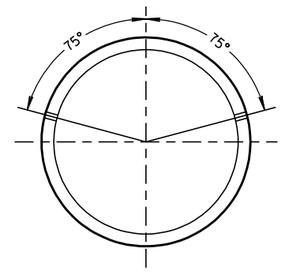
SLEEVE NUTS



LONGITUDINAL SECTION

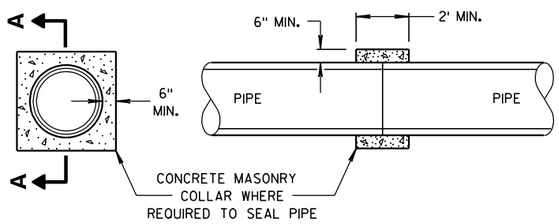
(JOINT TIES FOR 12" TO 108" DIA. CONCRETE PIPE)

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

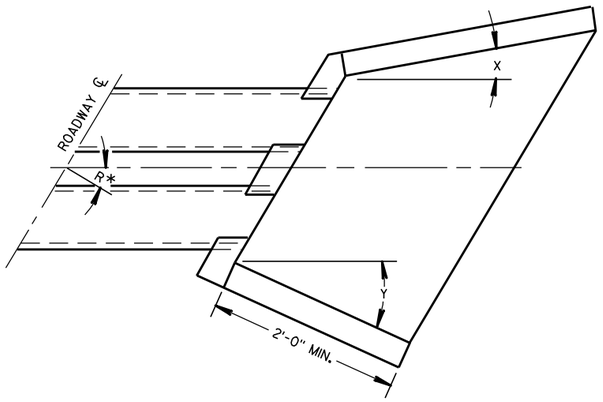
APPROVED
6/5/2012 — DATE
/S/ Jerry H. Zogg — ROADWAY STANDARDS ENGINEER
516
FHWA

6

S.D.D. 8 F 4-7

6

S.D.D. 8 F 4-7



INLET			OUTLET		
R*	X	Y	R*	X	Y
0 - 7°	30°	30°	0 - 15°	15°	15°
8 - 22°	25°	"	16 - 45°	10°	"
23 - 37°	20°	"	46 - 75°	5°	"
38 - 52°	15°	"	OVER 75°	0°	"
53 - 67°	10°	"			
68 - 82°	5°	"			
OVER 82°	0°	"			

*R = NUMBER OF DEGREES RIGHT OR LEFT HAND FORWARD

WINGWALL ANGLE 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.

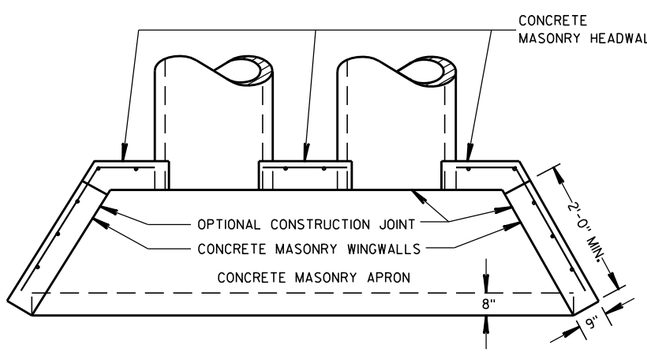
FILL SLOPES FLATTER THAN 2 ½:1 SHALL BE WARPED TO MEET THE TOP OF THE WINGWALLS.

ALL STEEL REINFORCEMENT AND WELDED STEEL WIRE FABRIC SHALL BE EMBEDDED 2 INCHES CLEAR UNLESS OTHERWISE NOTED.

(1) MINIMUM REINFORCEMENT SHALL BE 6" X 6" - W4.0 X W4.0 OR NO. 3 BARS SPACED 12" C-C IN BOTH DIRECTIONS.

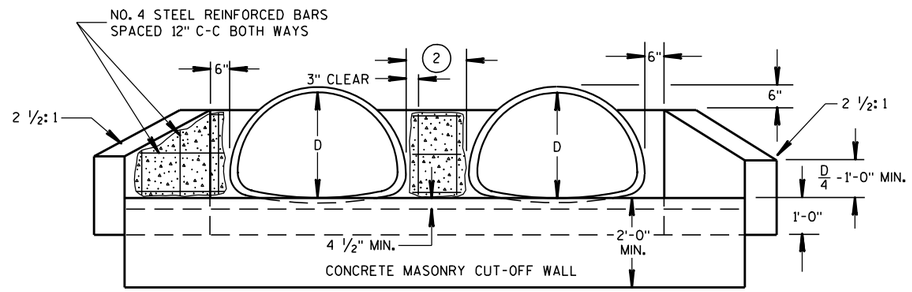
(2) THE SPACE BETWEEN PIPES SHALL BE AS FOLLOWS:

DIAMETER OR SPAN	SPACE
UP TO AND INCLUDING 48"	2'-0"
OVER 48" TO 72"	½ DIA. OR SPAN
OVER 72"	3'-0"



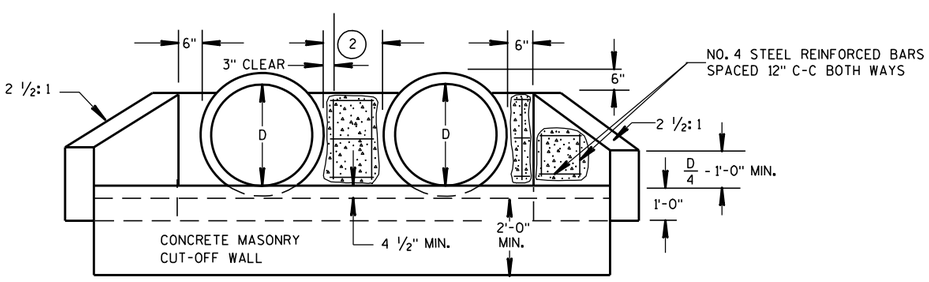
PLAN VIEW

CULVERT PIPE AND PIPE ARCH



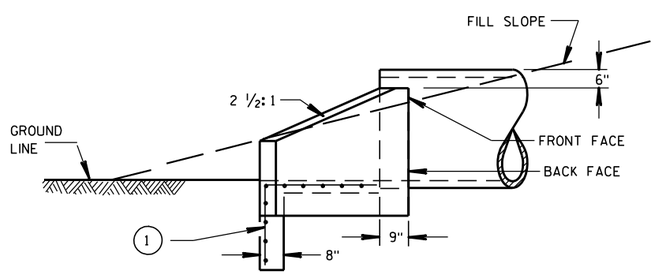
END ELEVATION

PIPE ARCH



END ELEVATION

CULVERT PIPE



SIDE ELEVATION

CULVERT PIPE AND PIPE ARCH

CONCRETE MASONRY ENDWALLS FOR CULVERT PIPE AND PIPE ARCH

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

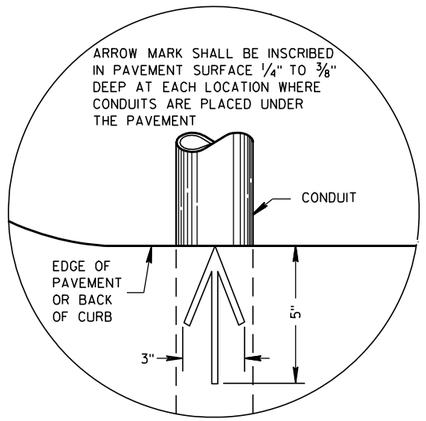
APPROVED
9/14/98 DATE
/S/ Rory L. Rhinehart
CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

6

S.D.D. 8 F 10-1

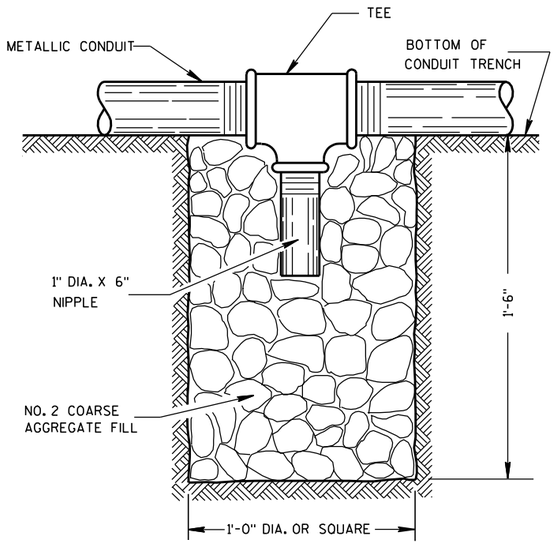
6

S.D.D. 8 F 10-1



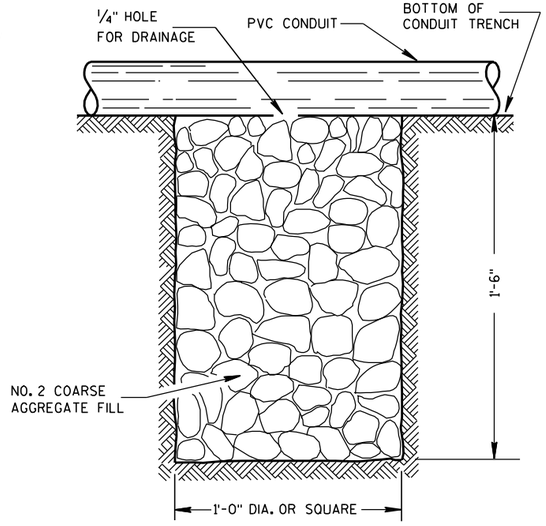
PLAN VIEW

ARROW MARK



NOTE: INSTALL AT LOCATIONS WHERE METALLIC CONDUITS CANNOT BE PITCHED TO DRAIN INTO A PULL BOX.

DRAIN SUMP FOR METALLIC CONDUIT



NOTE: INSTALL AT LOCATIONS WHERE PVC CONDUITS CANNOT BE PITCHED TO DRAIN INTO A PULL BOX.

DRAIN SUMP FOR PVC CONDUIT

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

METALLIC (STANDARD SPECIFICATION 652.2.2) OR NONMETALLIC (STANDARD SPECIFICATION 652.2.3) CONDUIT SHALL BE FURNISHED AND PLACED AS SHOWN.

DEPTH OF CONDUIT INSTALLED BELOW THE TRAVELED WAY SHALL BE 24 INCHES MINIMUM AND 36 INCHES MAXIMUM.

DEPTH OF CONDUIT INSTALLED THAT IS NOT BELOW THE TRAVELED WAY SHALL BE 18 INCHES MINIMUM AND 36 INCHES MAXIMUM.

ANY EXCEPTION TO THE MAXIMUM DEPTH SHALL BE ONLY WITH THE WRITTEN APPROVAL OF THE ENGINEER.

THE TRENCH SHALL NOT BE BACKFILLED PRIOR TO INSPECTION OF THE CONDUIT.

ALL METALLIC CONDUIT RACEWAY ENDS SHALL BE REAMED AND THREADED.

ALL METALLIC CONDUIT IN WHICH WIRE OR CABLE IS TO BE INSTALLED SHALL BE BUSHED WITH APPROVED THREADED BUSHINGS BEFORE INSTALLATION OF THE WIRE OR CABLE.

ALL METALLIC CONDUITS IN WHICH WIRE OR CABLE IS NOT TO BE INSTALLED SHALL BE CAPPED WITH THREADED PROTECTIVE CAPS, AS APPROVED BY THE ENGINEER.

ALL NONMETALLIC CONDUIT SHALL BE CAPPED OR PLUGGED IMMEDIATELY AFTER INSTALLATION AND SHALL REMAIN CAPPED OR PLUGGED UNTIL WIRE/CABLES ARE INSTALLED.

NONMETALLIC CONDUITS IN WHICH WIRE OR CABLE IS NOT BEING INSTALLED SHALL REMAIN CAPPED OR PLUGGED.

BENDING OF PVC ELECTRICAL CONDUIT SHALL BE ACCOMPLISHED BY USING A BLANKET OR EMERSION TYPE TANK DESIGNED FOR THE PURPOSE OF BENDING PVC ELECTRICAL CONDUIT.

ALL CUT ENDS SHALL BE TRIMMED INSIDE AND OUTSIDE TO REMOVE ALL ROUGH EDGES ON NONMETALLIC CONDUIT. (SEE NEC 347.5)

WHEN REQUIRED TO CONNECT NONMETALLIC CONDUIT TO METALLIC CONDUIT, ONLY U.L. LISTED ADAPTER FITTINGS SHALL BE USED.

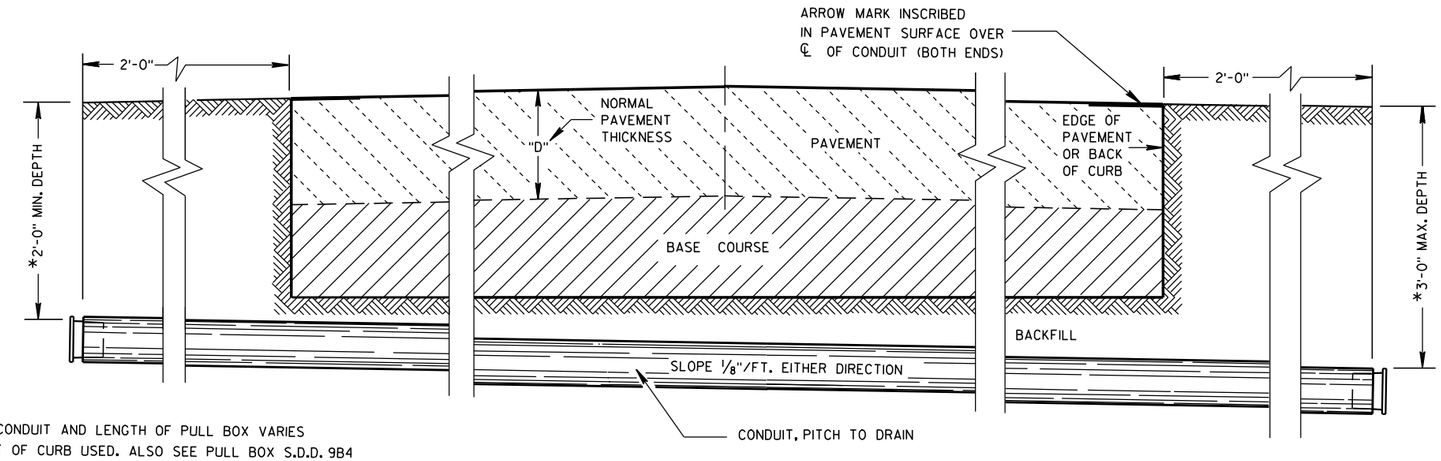
PRIOR TO CONDUIT ACCEPTANCE, CONDUIT CAPS OR PLUGS SHALL BE REMOVED, AND THE CAPS, PLUGS AND CONDUIT ENDS SHALL BE THOROUGHLY CLEANED AND THEN THE CAPS OR PLUGS REINSTALLED TO ENSURE THAT THE CAPS OR PLUGS CAN BE EASILY REMOVED IN THE FUTURE.

ALL CONDUIT BEING FURNISHED AND INSTALLED SHALL HAVE THE U.L. LABEL FIRMLY ATTACHED.

CONDUIT RUNS SHALL BE THE SAME SIZE OF CONDUIT FROM ONE END TO THE OTHER (FROM PULL BOX TO PULL BOX-OR-JUNCTION BOX TO JUNCTION BOX-OR-BASE TO BASE, ETC.).

POLY ROPE OR A PULL WIRE SHALL BE INSTALLED AS STATED IN THE STANDARD SPECIFICATION, ITEM 652.3.1.1.

ALL CONDUIT RUNS SHALL BE STRAIGHT (WITHOUT BENDS) FROM PULL BOX TO PULL BOX, PULL BOX TO BASE AND BASE TO BASE AS SHOWN ON THE PLANS.



*DEPTH OF CONDUIT AND LENGTH OF PULL BOX VARIES WITH HEIGHT OF CURB USED. ALSO SEE PULL BOX S.D.D. 9B4

SIDE ELEVATION

DETAIL FOR CONDUIT UNDER PAVED HIGHWAYS

CONDUIT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

10/23/03 DATE

/S/ Balu Ananthanarayanan
STATE ELECTRICAL ENGI 518 HWYS

FHWA

TABLE OF NOMINAL DIMENSIONS AND WEIGHTS

DIMENSION IN INCHES		CORRUGATED STEEL PIPE								
PIPE DIAMETER (INSIDE)	A	12	12	12	18	18	18	24	24	24
PIPE LENGTH **	B	24	30	36	24	30	36	36	42	48
WALL THICKNESS	C	0.064	0.064	0.064	0.064	0.064	0.064	0.064	0.064	0.064
COVER	D	10 1/4	10 1/4	10 1/4	16 1/4	16 1/4	16 1/4	22 1/4	22 1/4	22 1/4
FRAME	E	14 1/2	14 1/2	14 1/2	20 1/2	20 1/2	20 1/2	26 1/2	26 1/2	26 1/2
FRAME	F	8 1/2	8 1/2	8 1/2	14 1/2	14 1/2	14 1/2	20 1/2	20 1/2	20 1/2
FRAME	G	11 1/2	11 1/2	11 1/2	17 1/2	17 1/2	17 1/2	23 1/2	23 1/2	23 1/2
WEIGHT IN POUNDS *										
FRAME AND COVER		60	60	60	110	110	110	155	155	155

* THE ACTUAL WEIGHT OF THE MANHOLE FRAME AND COVER MAY VARY WITHIN 5 PERCENT PLUS OR MINUS OF THE WEIGHTS SHOWN.

** NORMALLY USED LENGTHS. THE PROJECT ENGINEER SHALL DETERMINE IF PIPE LENGTHS, OTHER THAN THOSE SPECIFIED, SHALL BE USED, TO A MAXIMUM OF 48" (CONTINUOUS LENGTH, NON-SPLICED). THE ADDITIONAL LENGTH SHALL BE INCIDENTAL TO THE PULL BOX BID PRICE.

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

ALL FRAMES AND COVERS SHALL BE HEAVY DUTY TYPE, SUITABLE FOR VEHICULAR TRAFFIC LOADS.

PULL BOXES LOCATED IN THE ROADWAYS SHALL HAVE LOCKING COVERS.

ENTRANCE HOLES INTO PULL BOXES SHALL BE CUT WITH A CIRCULAR HOLE SAW OR HYDRAULIC CONDUIT PUNCH. HOLE SIZE SHALL BE THE OUTSIDE DIAMETER OF THE CONDUIT THAT IS TO FIT IN THE OPENING PLUS NO MORE THAN 1/4".

THE CONTRACTOR SHALL NOT INSTALL WIRE IN ANY PULL BOX UNTIL ITS INSTALLATION HAS BEEN INSPECTED AND ACCEPTED BY THE ENGINEER.

GROUNDING LUGS (MECHANICAL CONNECTORS) SHALL BE U.L. LISTED AND APPROVED FOR USE WITH COPPER WIRE. THE MECHANICAL CONNECTION (INSIDE AND OUTSIDE) TO THE PULL BOX, SHALL BE TOTALLY AND PERMANENTLY SEALED WITH A SILICONE OR RUBBERIZED CAULKING COMPOUND AS APPROVED BY THE ENGINEER.

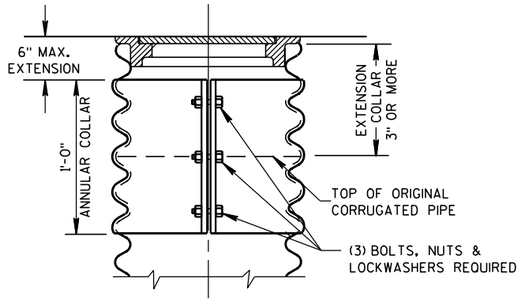
GROUNDING LUGS ARE NOT REQUIRED IN PULL BOXES WHEN VOLTAGES OF LESS THAN 50 VOLTS AC ARE THE ONLY VOLTAGES ENCOUNTERED IN THE BOXES.

ALL METALLIC CONDUIT IN WHICH WIRE AND/OR CABLE IS TO BE INSTALLED, SHALL BE BUSHED BEFORE INSTALLATION OF THE WIRE AND/OR CABLE.

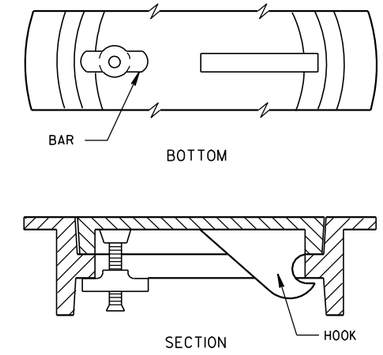
S.D.D. 9B2, "CONDUIT", APPLIES TO THIS DRAWING.

WHEN PULL BOXES ARE INSTALLED FOR FUTURE USE, DO NOT INSTALL THE EQUIPMENT GROUNDING LUG. THE EQUIPMENT GROUNDING LUG, THE EQUIPMENT GROUNDING ELECTRODE AND THE EQUIPMENT GROUNDING CONDUCTOR SHALL BE REQUIRED AND INSTALLED UNDER A FUTURE WIRING CONTRACT.

IF PULL BOX EQUIPMENT GROUNDING IS REQUIRED USING AN EQUIPMENT GROUNDING ELECTRODE IN EACH PULL BOX, THE EQUIPMENT GROUNDING ELECTRODE SHALL BE 5/8" X 8'-0", COPPERCLAD AND BE EXOTHERMICALLY WELDED TO A #4 AWG, COPPER, STRANDED WIRE (BARE OR GREEN INSULATED). THE #4 AWG WIRE SHALL BE 4 FEET IN LENGTH, NEATLY COILED, TAPED AND AVAILABLE FOR USE WHEN REQUIRED.

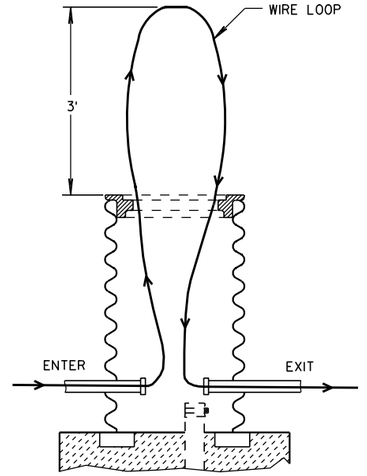


CORRUGATED PIPE EXTENDER

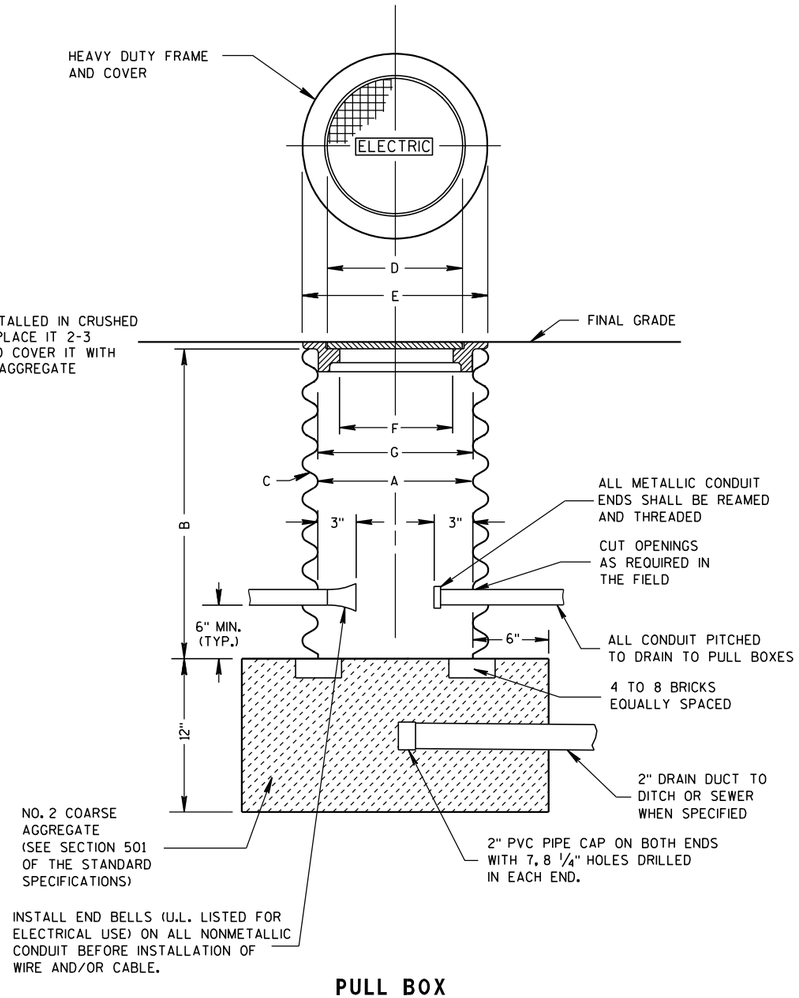


ALTERNATE COVER (LOCKING)

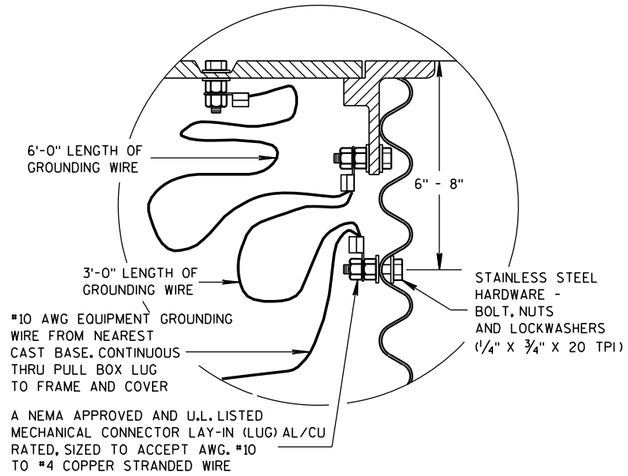
TIGHTENING BAR TYPE



MEASUREMENT DETAIL FOR WIRE/CABLE IN THE PULL BOX



PULL BOX

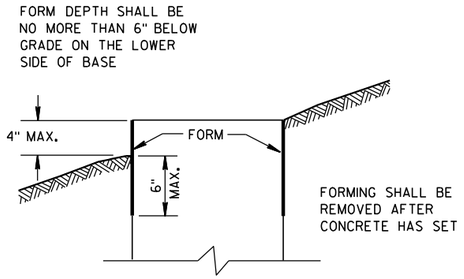


EQUIPMENT GROUNDING LUG AND LOCATION IN STEEL PULL BOXES

PULL BOX

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
9/27/06 DATE
/S/ Balu Ananthanarayanan
STATE ELECTRICAL ENGI
519
HWYS
FHWA



FORMING DETAIL

QUANTITY REQUIREMENTS	CONCRETE BASE TYPE		
	1	2	5
APPROX. CUBIC YARDS OF CONCRETE	0.40	0.57	0.40
LBS. OF HOOP BAR STEEL	NONE	23	16
LBS. OF VERTICAL BAR STEEL	NONE	60	18

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

BASES SHALL BE EXCAVATED BY USE OF A CIRCULAR AUGER.

TOP SURFACES OF CONCRETE BASES SHALL BE TROWEL FINISHED SMOOTH AND LEVEL.

CONDUIT SIZES AND LOCATIONS SHALL BE AS SHOWN ON THE PLANS.

THE FINAL OR TERMINATING CONCRETE BASE IN A CONDUIT RUN SHALL HAVE A 6" EXIT STUB INSTALLED FOR FUTURE CABLING USE. THE EXIT STUB SHALL BE SIZED AS USED THROUGHOUT THE CONDUIT RUN AS SHOWN AT THE ENTRANCE OF THE BASE.

MINIMUM BENDING RADIUS OF CONDUIT IS EQUAL TO 6 X THE DIAMETER.

CONDUIT HEIGHT ABOVE CONCRETE BASES SHALL BE 1 INCH. ALL METALLIC CONDUIT ENDS SHALL BE REAMED AND THREADED.

ALL CONDUIT ENDS AT THE TOP OF CONCRETE BASES SHALL BE CAPPED IF METALLIC OR PLUGGED IF NONMETALLIC IMMEDIATELY AFTER PLACEMENT AND BEFORE CONCRETE IS POURED. CONDUITS IN WHICH WIRE OR CABLE IS NOT INSTALLED SHALL REMAIN CAPPED OR PLUGGED.

GENERAL NOTES (CONTINUED)

BELL ENDS SHALL BE INSTALLED ON ALL PVC CONDUIT EXPOSED AT THE TOP OF CONCRETE BASES BEFORE INSTALLATION OF CABLE OR WIRE.

ENDS OF CONDUIT INSTALLED BELOW GRADE FOR FUTURE USE SHALL BE CAPPED IF METALLIC OR PLUGGED IF NONMETALLIC.

WHEN REQUIRED TO CONNECT NONMETALLIC CONDUIT TO METALLIC CONDUIT, ONLY ADAPTER FITTINGS, U.L. LISTED FOR ELECTRICAL USE, SHALL BE USED.

IF A BASE REQUIRES A DEEP FORM BECAUSE OF LOOSE DIRT OR FILL, THE FORM SHALL BE REMOVED BEFORE BACKFILLING AROUND THE BASE. BACKFILL SHALL BE TAMPED TIGHT AGAINST THE BARE CONCRETE BASE IN LAYERS OF 1 FOOT OR LESS.

A NO. 4 AWG, STRANDED COPPER EQUIPMENT GROUNDING CONDUCTOR SHALL BE EXOTHERMICALLY WELDED TO THE EQUIPMENT GROUNDING ELECTRODE (GROUND ROD) FOR TYPE 2 AND TYPE 5 BASES.

THE EQUIPMENT GROUNDING CONDUCTOR SHALL BE FURNISHED AND INSTALLED TO ENTER THE BASE OF THE TYPE 2 AND TYPE 5 BASES THROUGH A 1 INCH CONDUIT INSTALLED FOR GROUNDING PURPOSES, LEAVING A 4 FOOT COIL OF WIRE ABOVE THE CONCRETE BASE. THE EQUIPMENT GROUNDING CONDUCTOR SHALL BE NEATLY COILED AND THE COILS TIED TOGETHER.

ANCHOR RODS SHALL BE THREADED 12" IN LENGTH ON EACH END OF THE ROD. ANCHOR RODS SHALL BE MANUFACTURED IN ACCORDANCE WITH SECTION 654.2.1 AND 641.2.2 OF THE STANDARD SPECIFICATIONS, ASTM A-449, OR ASTM A-687 (GRADE 105).

WASHERS AND LOCK WASHERS ARE REQUIRED ON ALL ANCHOR RODS.

WHEN ANCHOR RODS USING THE ALTERNATE "L" BEND ARE FURNISHED, THE 4" "L" BEND SHALL BE IN ADDITION TO THE SPECIFIED ANCHOR ROD BAR LENGTH. THE "L" BEND END SHALL NOT BE THREADED.

ANCHOR RODS SHALL BE INSTALLED WITH MISALIGNMENTS OF LESS THAN 1:40 FROM VERTICAL.

WELDING OF THE ANCHOR RODS TO THE CAGE IS UNACCEPTABLE. TIE WIRES SHALL BE USED.

BAR STEEL REINFORCEMENT SHALL BE COATED WITH POWDERED EPOXY RESIN IN ACCORDANCE WITH SECTION 505 OF THE STANDARD SPECIFICATIONS (LATEST EDITION).

(1) THE MINIMUM DEPTH OF CONDUIT EXITING THE CONCRETE BASE AND INSTALLED BELOW THE TRAVELED WAY SHALL BE 24 INCHES. THE MINIMUM DEPTH OF CONDUIT EXITING THE CONCRETE BASE THAT IS NOT INSTALLED BELOW THE TRAVELED WAY SHALL BE 18 INCHES. THE MAXIMUM DEPTH OF ALL CONDUIT SHALL BE 36 INCHES EXCEPT WITH WRITTEN APPROVAL BY THE ENGINEER.

(2) (4) I" DIA. X 3'-6" ANCHOR RODS.

(3) (4) I" DIA. X 5'-0" ANCHOR RODS.

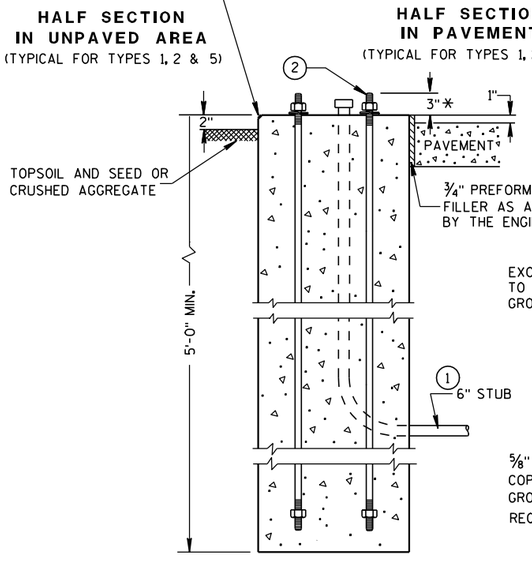
(4) (6) NO. 6 X 6'-8" BAR STEEL REINFORCEMENT.

(5) (7) NO. 4 X 5'-1" BAR STEEL REINFORCEMENT @ 1'-0" C-C.

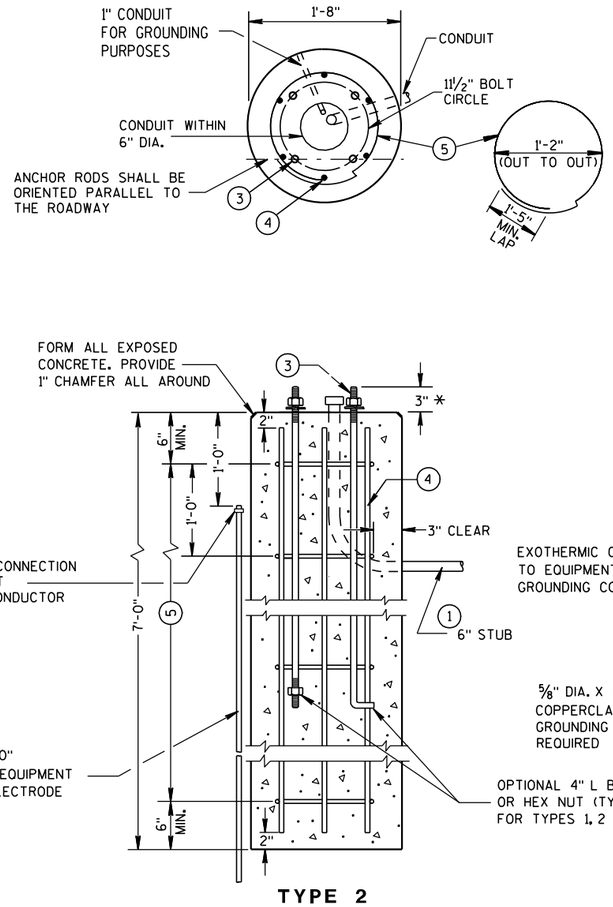
(6) (4) I" DIA. X 3'-6" ANCHOR RODS.

(7) (6) NO.4 X 4'-8" BAR STEEL REINFORCEMENT.

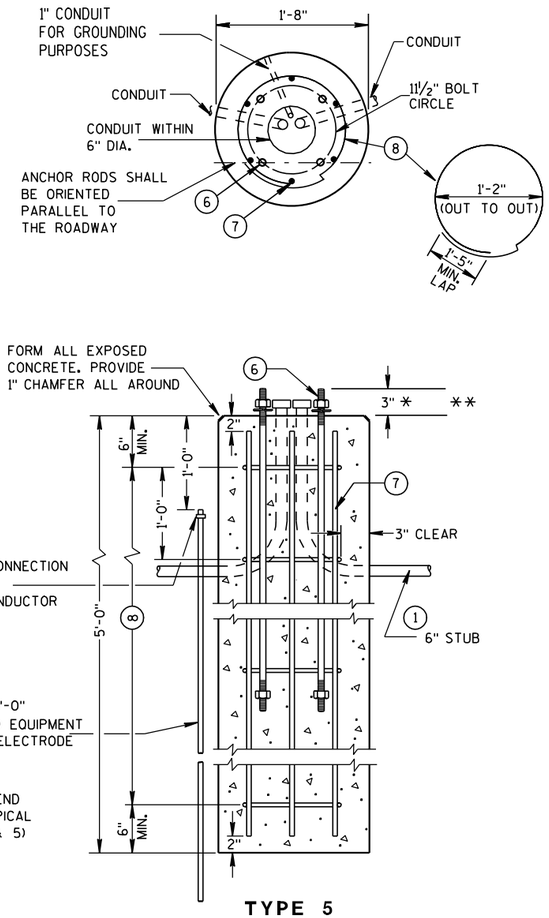
(8) (5) NO. 4 X 5'-1" BAR STEEL REINFORCEMENT @ 1'-0" C-C.



TYPE 1



TYPE 2



TYPE 5

CONCRETE BASES

* ANY ANCHOR ROD PROJECTION SHORTER THAN 2¾" OR LONGER THAN 3¼" SHALL REQUIRE THE BASE TO BE REMOVED AND REPLACED AT THE CONTRACTORS EXPENSE.

** FOR NONBREAKAWAY INSTALLATIONS, 4½" ± ANCHOR ROD PROJECTION WITH THE USE OF LEVELING NUTS. RODENT SCREEN REQUIRED.

CONCRETE BASES, TYPES 1, 2 & 5

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
3/3/10 — DATE
/S/ Joanna L. Rush — STATE ELECTRICAL ENGI 520 — HWYS
FHWA

6

S.D.D. 9 C 2-6

6

S.D.D. 9 C 2-6

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

FOUR (4) BOLTS SHALL BE FURNISHED WITH EACH TRANSFORMER BASE. BOLTS SHALL BE 1" DIAMETER, 4" IN LENGTH, WITH WASHERS, LOCK WASHERS AND NUTS. BOLTS, NUTS AND WASHERS SHALL BE MANUFACTURED IN ACCORDANCE WITH SECTION 641.2.2 OF THE STANDARD SPECIFICATIONS, ASTM A-325, (92,000 YIELD) HEAVY HEX NUT AND BE GALVANIZED IN ACCORDANCE WITH ASTM A-153, CLASS C.

LEVELING SHIMS, IF NEEDED, SHALL BE DESIGNED FOR THE PURPOSE AND USED UNDER CAST BASES WHEN PLUMBING POLES OR STANDARDS DURING INSTALLATION. THE USE OF WASHERS IN LIEU OF PROPER LEVELING SHIMS IS NOT ACCEPTABLE.

SHIM LENGTH SHALL BE LONG ENOUGH TO COMPLETELY COVER THE AREA UNDER THE LENGTH AND WIDTH OF THE BASE MOUNTING FLANGE.

DOUBLE NUTTING IS NOT ACCEPTABLE FOR LEVELING OR MOUNTING PURPOSES.

A NEMA APPROVED AND U.L. LISTED MECHANICAL CONNECTOR (LUG) AL/CU RATED AND SIZED TO ACCEPT #10 AWG STRANDED WIRE, SHALL BE FURNISHED AND INSTALLED IN THE PEDESTAL AND TRANSFORMER BASES.

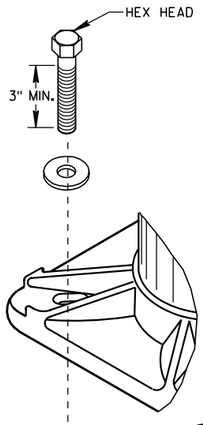
THE MECHANICAL CONNECTOR SHALL BE INSTALLED USING A 1/4" - 20 (TPI) STAINLESS STEEL HEX HEAD BOLT OF SUFFICIENT LENGTH TO FIRMLY ATTACH THE LUG TO THE BASE.

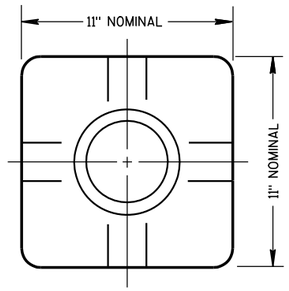
SHOULD THE MANNER OF ATTACHMENT OF THE LUG REQUIRE WASHERS, HEX NUTS, LOCK WASHER - THEY SHALL BE STAINLESS STEEL AS IS THE BOLT. THE MANNER OF ATTACHMENT SHALL NOT BLOCK ACCESSIBILITY TO WIRE PLACEMENT IN THE CONNECTOR.

PEDESTAL BASE COLLAR THREADING SHALL BE TAPERED AND IN ACCORDANCE WITH NATIONAL PIPE THREADING DIMENSIONS.

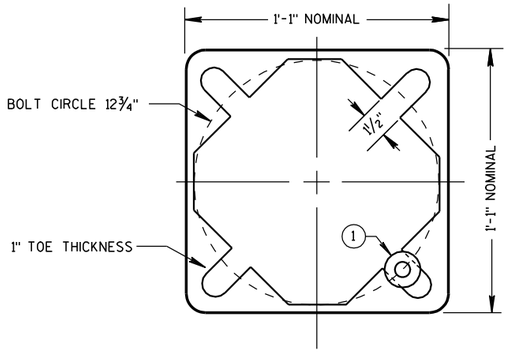
BASE COLLAR THREADING SHALL EXTEND INTO THE BASE COLLAR WITH SUFFICIENT DEPTH TO ACCEPT THE INSTALLATION OF TRAFFIC SIGNAL STANDARDS TO A DEPTH OF 1½", THEN TIGHTENING TO A POINT OF BEING IMMOVABLE.

THE ACCESS DOOR SHALL BE OF THE SAME MATERIAL AS THE BASE.

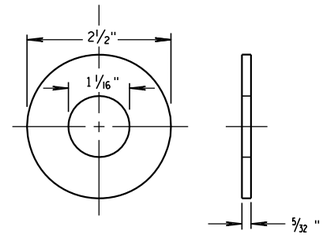




TOP VIEW
(PEDESTAL BASE)

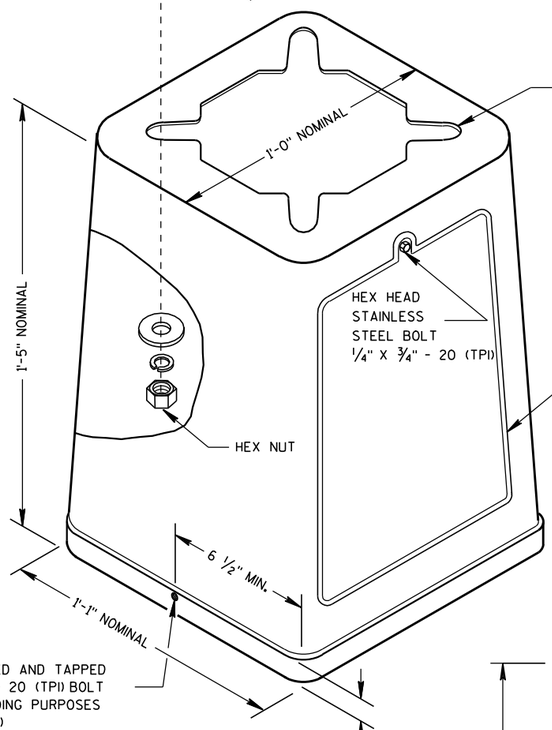


BOTTOM VIEW
(PEDESTAL BASE)

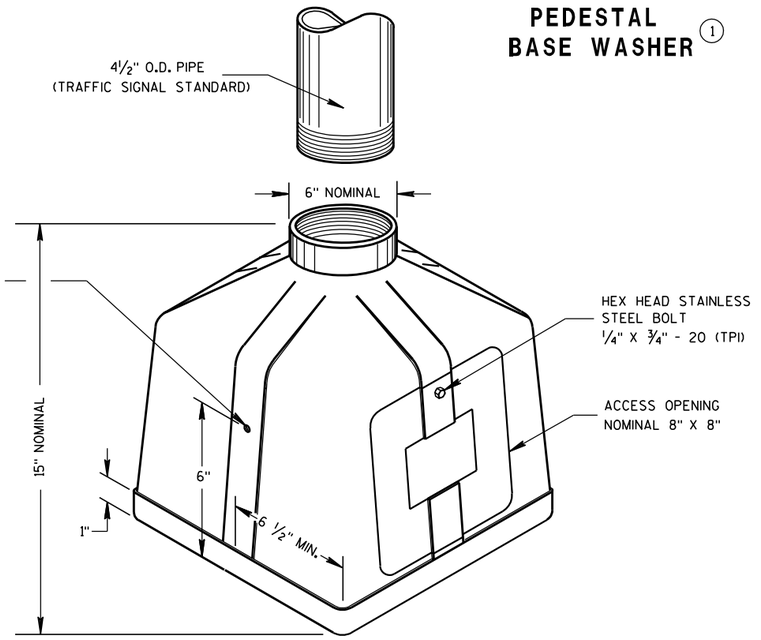


ZINC COATED STEEL WASHER
TO BE PROVIDED BY THE CONTRACTOR

PEDESTAL BASE WASHER (1)

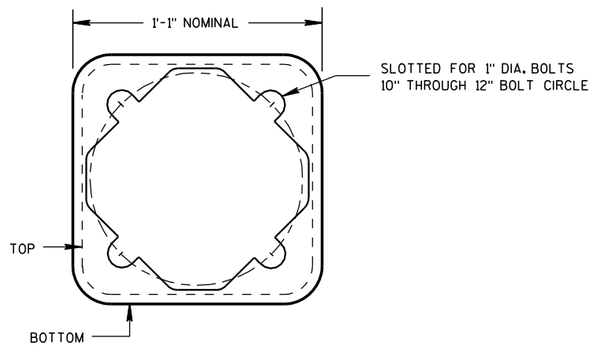


ISOMETRIC VIEW

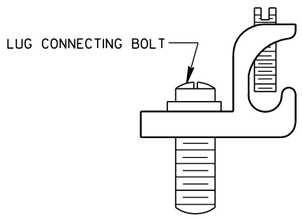


ISOMETRIC VIEW

PEDESTAL BASE



BOTTOM VIEW
(TRANSFORMER BASE)

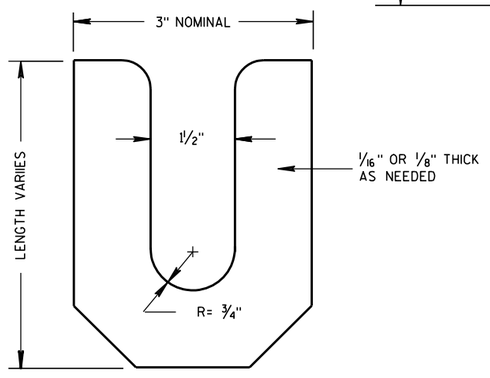


TYPICAL MECHANICAL CONNECTOR LUG

TO BE FURNISHED WITH EACH BASE

TRANSFORMER BASE

INTENDED FOR USE WITH TYPE 2, 3, 4, 5 & 6 POLES



LEVELING SHIM

TRANSFORMER/PEDESTAL BASES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
10/27/09 — DATE
/S/ Joanna L. Rich — STATE ELECTRICAL ENGI 521 — HWYS
FHWA

6

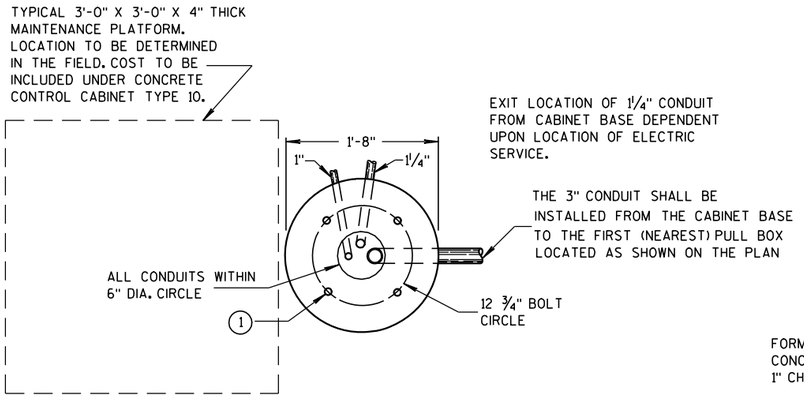
S.D.D. 9 C 3-3

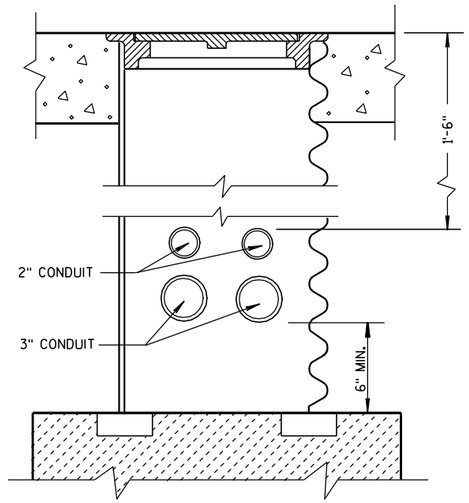
6

S.D.D. 9 C 3-3

CONTROL CABINET BASE TYPE	DIMENSIONS				C.Y. CONCRETE (APPROX.)
	H	I	J	K	
TYPE 6 - 30" CABINET	34"	60"	10"	17"	.64
TYPE 7 - 38" CABINET	42"	60"	10"	21"	.93
TYPE 8 - 38" CABINET	42"	72"	12"	21"	1.29
TYPE 9 - VARIABLE	54"	72"	14"	27"	1.56
TYPE 10 - POST MOUNT	AS SHOWN				.65 *

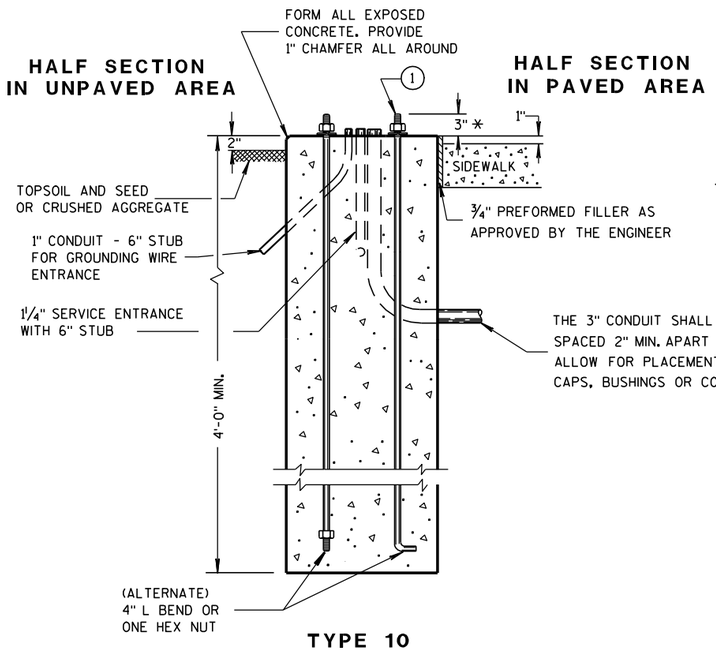
* INCLUDES MAINTENANCE PLATFORM.



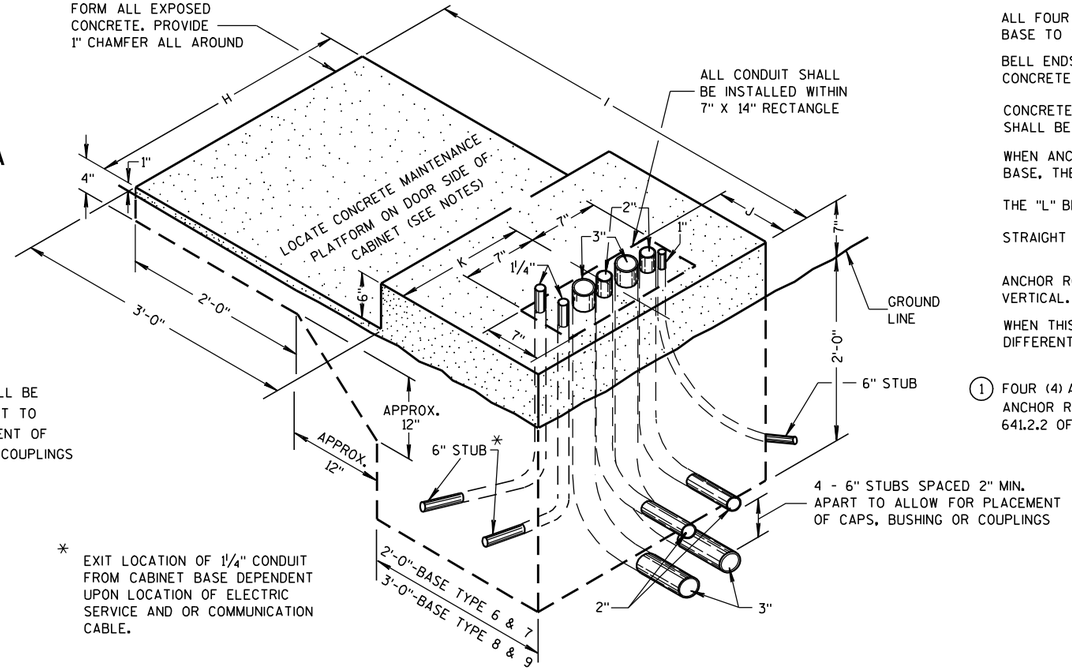


CONDUIT LOCATIONS IN 24" X 36" PULL BOX

(LEADING TO CONTROLLER CABINET BASE TYPE 6, 7, 8 AND 9)



TYPE 10



TYPE 6,7,8 AND 9
(ISOMETRIC VIEW)

* EXIT LOCATION OF 1¼" CONDUIT FROM CABINET BASE DEPENDENT UPON LOCATION OF ELECTRIC SERVICE AND OR COMMUNICATION CABLE.

* ANY ANCHOR ROD PROJECTION SHORTER THAN 2¾" OR LONGER THAN 3¼" SHALL REQUIRE THE BASE TO BE REMOVED AND REPLACED AT THE CONTRACTORS EXPENSE.

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

INSTALL FOUR ½ INCH MINIMUM DIAMETER X 4 INCH MINIMUM LENGTH APPROVED CONCRETE MASONRY ANCHORS TO ANCHOR THE CABINET TO TYPE 6, 7, 8, AND 9 BASES. THE ANCHOR STUDS SHALL BE LOCATED AS DIRECTED BY THE ENGINEER TO PROPERLY ANCHOR THE CONTROL CABINET TO THE BASE.

WHEN REQUIRED TO CONNECT NONMETALLIC CONDUIT TO METALLIC CONDUIT, ONLY ADAPTER FITTINGS, U.L. LISTED FOR ELECTRICAL USE, SHALL BE USED.

CONDUIT HEIGHT ABOVE THE CONCRETE BASE SHALL BE 1 INCH.

DEPTH OF CONDUIT INSTALLED BELOW THE TRAVELED WAY SHALL BE 24 INCHES MINIMUM AND 36 INCHES MAXIMUM.

DEPTH OF CONDUIT INSTALLED THAT IS NOT BELOW THE TRAVELED WAY SHALL BE 18 INCHES MINIMUM AND 36 INCHES MAXIMUM.

ANY EXCEPTION TO THE MAXIMUM DEPTH SHALL BE ONLY WITH THE WRITTEN APPROVAL OF THE ENGINEER.

CONTROL CABINET BASE TOP SURFACES SHALL BE TROWEL FINISHED SMOOTH AND LEVEL.

WHEN A TYPE 10 CONTROL CABINET BASE IS USED TO POST MOUNT A CONTROL CABINET, A 36" SQUARE 4" THICK CONCRETE MAINTENANCE PLATFORM SHALL BE REQUIRED ON THE DOOR SIDE OF THE CABINET. THE TOP 1 INCH SHALL BE ABOVE FINISHED GRADE AND BE BROOM FINISHED AND LEVEL.

MAINTENANCE PLATFORMS ARE NOT REQUIRED WHEN THE SURROUNDING AREA IS PAVED.

MINIMUM BENDING RADIUS OF CONDUIT = 6 X THE DIAMETER.

ALL METALLIC CONDUIT ENDS SHALL BE REAMED AND THREADED.

ALL CONDUIT ENDS AT THE TOP OF CONCRETE BASES SHALL BE CAPPED IF METALLIC OR PLUGGED IF NONMETALLIC IMMEDIATELY AFTER PLACEMENT AND BEFORE CONCRETE IS POURED. CONDUITS IN WHICH WIRE OR CABLE IS NOT BEING INSTALLED SHALL REMAIN CAPPED OR PLUGGED.

ALL FOUR (TWO INCH AND THREE INCH) CONDUIT SHALL BE INSTALLED FROM THE CABINET BASE TO THE FIRST (NEAREST PULL BOX LOCATED AS SHOWN ON THE PLANS.

BELL ENDS SHALL BE INSTALLED ON ALL PVC CONDUIT EXPOSED AT THE TOP OF THE CONCRETE BASE BEFORE INSTALLATION OF CABLE OR WIRE.

CONCRETE FORM DEPTH BELOW FINISHED GRADE SHALL BE 6" MAXIMUM. CONCRETE FORMS SHALL BE REMOVED AFTER CONCRETE HAS SET.

WHEN ANCHOR RODS USING THE ALTERNATE L BEND ARE FURNISHED FOR THE TYPE 10 BASE, THE 4" L BEND SHALL BE IN ADDITION TO THE SPECIFIED ANCHOR ROD BAR LENGTH.

THE "L" BEND SHALL NOT BE THREADED.

STRAIGHT ANCHOR RODS SHALL BE THREADED 12" IN LENGTH ON EACH END OF THE ROD.

ANCHOR RODS SHALL BE INSTALLED WITH MISALIGNMENTS OF LESS THAN 1:40 FROM VERTICAL.

WHEN THIS DRAWING IS USED FOR STREET LIGHTING CABINET BASES, CONDUIT MAY BE DIFFERENT AS SHOWN ON THE PLAN OR AS DIRECTED BY THE ENGINEER.

(1) FOUR (4) ANCHOR RODS, 1" DIA. X 3'-6"
ANCHOR RODS SHALL BE MANUFACTURED IN ACCORDANCE WITH SECTION 654.2.1 AND 641.2.2 OF THE STANDARD SPECIFICATIONS.

CONCRETE CONTROL CABINET BASES

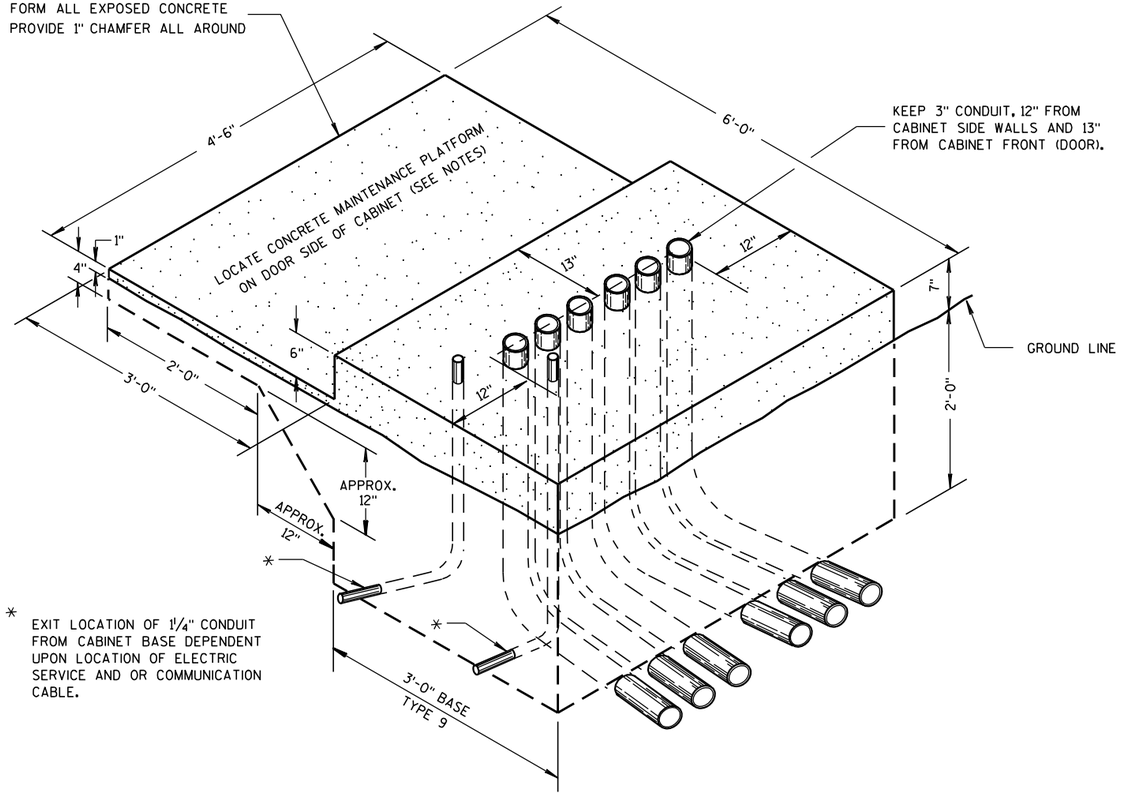
CONCRETE CONTROL CABINET BASES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
3/3/10 DATE
/S/ Joanna L. [illegible]
STATE ELECTRICAL ENGI
HWYS
FHWA

6

S.D.D. 9 C 5-7

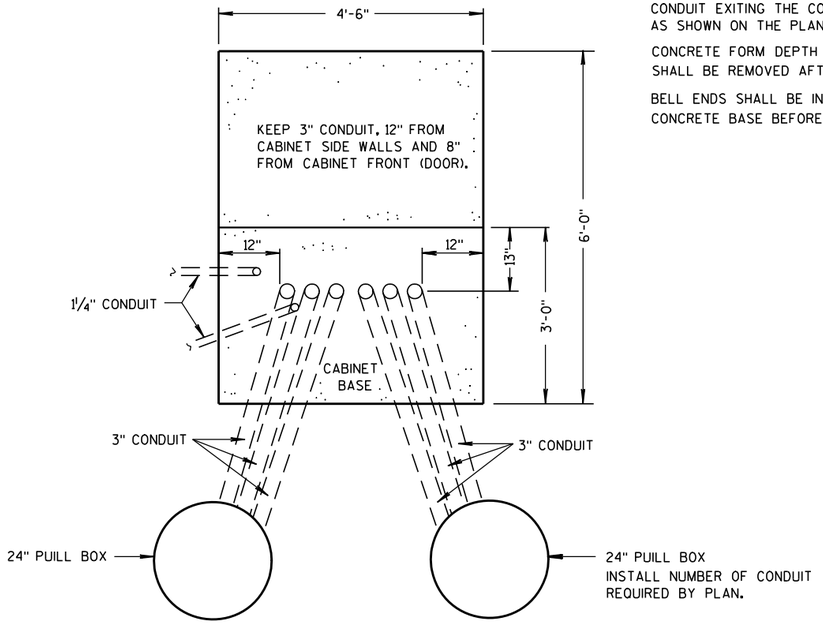


* EXIT LOCATION OF 1¼" CONDUIT FROM CABINET BASE DEPENDENT UPON LOCATION OF ELECTRIC SERVICE AND OR COMMUNICATION CABLE.

ISOMETRIC VIEW

TYPE 9, SPECIAL

(C.Y. CONCRETE = APPROX. 1.56)



PLAN VIEW

CONCRETE CONTROL CABINET BASE, TYPE 9, SPECIAL

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

INSTALL FOUR ½ INCH MINIMUM DIAMETER X 4 INCH MINIMUM LENGTH STAINLESS STEEL APPROVED CONCRETE MASONRY ANCHORS TO ANCHOR THE CABINET TO TYPE 6, 7, 8, AND 9 BASES. THE ANCHOR STUDS SHALL BE LOCATED AS DIRECTED BY THE ENGINEER TO PROPERLY ANCHOR THE CONTROL CABINET TO THE BASE.

WHEN REQUIRED TO CONNECT NONMETALLIC CONDUIT TO METALLIC CONDUIT, ONLY ADAPTER FITTINGS, U.L. LISTED FOR ELECTRICAL USE, SHALL BE USED.

CONDUIT HEIGHT ABOVE THE CONCRETE BASE SHALL BE 1 INCH.

DEPTH OF CONDUIT INSTALLED BELOW THE TRAVELED WAY SHALL BE 24 INCHES MINIMUM AND 36 INCHES MAXIMUM.

DEPTH OF CONDUIT INSTALLED THAT IS NOT BELOW THE TRAVELED WAY SHALL BE 18 INCHES MINIMUM AND 36 INCHES MAXIMUM.

ANY EXCEPTION TO THE MAXIMUM DEPTH SHALL BE ONLY WITH THE WRITTEN APPROVAL OF THE ENGINEER.

CONTROL CABINET BASE TOP SURFACE SHALL BE TROWEL FINISHED SMOOTH AND LEVEL.

MAINTENANCE PLATFORM SHALL BE FLOAT OR BROOM FINISHED AND BE LEVEL.

MAINTENANCE PLATFORMS ARE NOT REQUIRED WHEN THE SURROUNDING AREA IS PAVED.

MINIMUM BENDING RADIUS OF CONDUIT = 6 X THE DIAMETER.

ALL METALLIC CONDUIT ENDS SHALL BE REAMED AND THREADED.

CAP ALL BELOW GRADE METALLIC CONDUIT ENDS IN WHICH WIRE OR CABLE IS NOT BEING INSTALLED.

PLUG ALL BELOW GRADE NONMETALLIC CONDUIT ENDS IN WHICH WIRE OR CABLE IS NOT BEING INSTALLED.

ALL CONDUIT ENDS AT THE TOP OF CONCRETE BASES SHALL BE CAPPED IF METALLIC OR PLUGGED IF NONMETALLIC IMMEDIATELY AFTER PLACEMENT AND BEFORE CONCRETE IS POURED. CONDUITS IN WHICH WIRE OR CABLE IS NOT BEING INSTALLED SHALL REMAIN CAPPED OR PLUGGED.

CONDUIT EXITING THE CONCRETE BASE (SIX THREE INCH) SHALL TERMINATE IN PULL BOXES AS SHOWN ON THE PLANS.

CONCRETE FORM DEPTH BELOW FINISHED GRADE SHALL BE 6" MAXIMUM. CONCRETE FORMS SHALL BE REMOVED AFTER CONCRETE HAS SET.

BELL ENDS SHALL BE INSTALLED ON ALL PVC CONDUIT EXPOSED AT THE TOP OF THE CONCRETE BASE BEFORE INSTALLATION OF CABLE OR WIRE.

CONCRETE CONTROL CABINET BASE, TYPE 9, SPECIAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

2/27/07 — DATE

/S/ Balu Ananthanarayanan — STATE ELECTRICAL ENGI

523

HWYS

FHWA

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

BASES SHALL BE EXCAVATED BY USE OF A CIRCULAR AUGER.

TOP SURFACES OF CONCRETE BASES SHALL BE TROWEL FINISHED AND LEVEL.

CONDUIT SIZES AND LOCATIONS SHALL BE AS SHOWN ON THE PLANS.

THE FINAL OR TERMINATING CONCRETE BASE IN A CONDUIT RUN SHALL HAVE A 6" EXIT STUB INSTALLED FOR FUTURE CABLING USE. THE EXIT STUB SHALL BE SIZED AS USED THROUGHOUT THE CONDUIT RUN AS SHOWN AT THE ENTRANCE OF THE BASE.

MINIMUM BENDING RADIUS OF CONDUIT IS EQUAL TO 6 X THE DIAMETER.

CONDUIT HEIGHT ABOVE CONCRETE BASES SHALL BE 4 INCHES. ALL METALLIC CONDUIT ENDS SHALL BE REAMED AND THREADED. NONMETALLIC CONDUIT SHALL HAVE BELL END INSTALLED. ALL CONDUIT SHALL BE SLOPED TO PULL BOX.

ALL CONDUIT ENDS AT THE TOP OF CONCRETE BASES SHALL BE CAPPED IF METALLIC OR PLUGGED IF NONMETALLIC IMMEDIATELY AFTER PLACEMENT AND BEFORE CONCRETE IS POURED. CONDUIT IN WHICH WIRE OR CABLE IS NOT INSTALLED SHALL REMAIN CAPPED OR PLUGGED.

BELL ENDS SHALL BE INSTALLED ON ALL PVC CONDUIT EXPOSED AT THE TOP OF CONCRETE BASES BEFORE INSTALLATION OF CABLE OR WIRE.

ENDS OF CONDUIT INSTALLED BELOW GRADE FOR FUTURE USE SHALL BE CAPPED IF METALLIC OR PLUGGED IF NONMETALLIC.

WHEN REQUIRED TO CONNECT NONMETALLIC CONDUIT TO METALLIC CONDUIT, ONLY ADAPTER FITTINGS, U.L. LISTED FOR ELECTRICAL USE, SHALL BE USED.

IF A BASE REQUIRES A DEEP FORM BECAUSE OF LOOSE DIRT OR FILL, THE FORM SHALL BE REMOVED BEFORE BACKFILLING AROUND THE BASE. BACKFILL SHALL BE TAMPED TIGHT AGAINST THE BARE CONCRETE BASE IN LAYERS OF 1 FOOT OR LESS.

A NO. 4 AWG, STRANDED COPPER EQUIPMENT GROUNDING CONDUCTOR SHALL BE EXOTHERMICALLY WELDED TO THE EQUIPMENT GROUNDING ELECTRODE (GROUND ROD).

THE EQUIPMENT GROUNDING CONDUCTOR SHALL ENTER THE BASE THROUGH A 1 INCH CONDUIT INSTALLED FOR GROUNDING PURPOSES, LEAVING A 4 FOOT COIL OF WIRE ABOVE THE CONCRETE BASE. THE EQUIPMENT GROUNDING CONDUCTOR SHALL BE NEATLY COILED AND THE COILS TIED TOGETHER.

WELDING OF THE ANCHOR RODS TO THE CAGE IS UNACCEPTABLE. TEMPLATES SHALL BE USED.

BAR STEEL REINFORCEMENT SHALL BE COATED WITH POWDERED EPOXY RESIN IN ACCORDANCE WITH SECTION 505 OF THE STANDARD SPECIFICATIONS (LATEST EDITION).

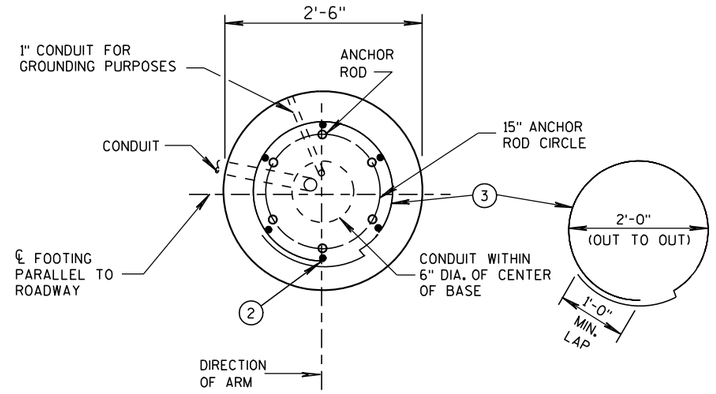
ANCHOR RODS SHALL BE INSTALLED WITH MISALIGNMENTS OF LESS THAN 1:40 FROM VERTICAL.

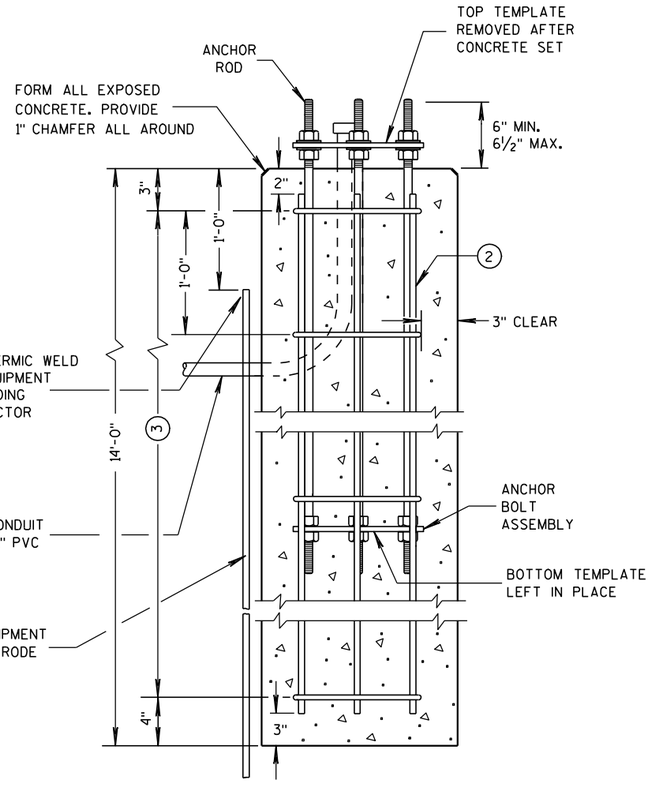
(1) THE MINIMUM DEPTH OF CONDUIT EXITING THE CONCRETE BASE AND INSTALLED BELOW THE TRAVELED WAY SHALL BE 24 INCHES. THE MINIMUM DEPTH OF CONDUIT EXITING THE CONCRETE BASE THAT IS NOT INSTALLED BELOW THE TRAVELED WAY SHALL BE 18 INCHES. THE MAXIMUM DEPTH OF ALL CONDUIT SHALL BE 36 INCHES. (GREATER THAN 36 INCHES IF INSTALLED IN BREAKER-RUN), EXCEPT WITH WRITTEN APPROVAL BY THE ENGINEER.

(2) (6) NO. 6 X 13'-7" BAR STEEL REINFORCEMENT.

(3) (15) NO. 4 X 7'-4" BAR STEEL REINFORCEMENT @ 1'-0" C-C.

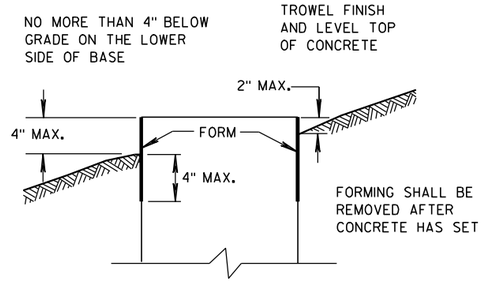
CONCRETE MASONRY	fc=3,500 p.s.i.
HIGH STRENGTH BAR STEEL REINFORCEMENT, GRADE 60	fy=60,000 p.s.i.
ANCHOR RODS, AASHTO M314 GRADE 55	fy=55,000 p.s.i.
TEMPLATES, ASTM, A709 GRADE 36	fy=36,000 p.s.i.



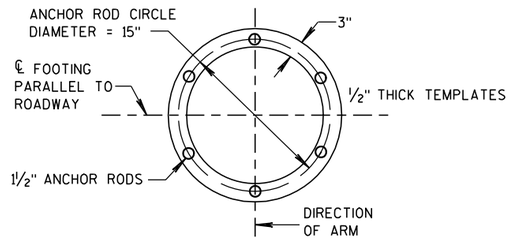


CONCRETE BASE TYPE 10
(FOR TYPE 9 & 10 POLES)

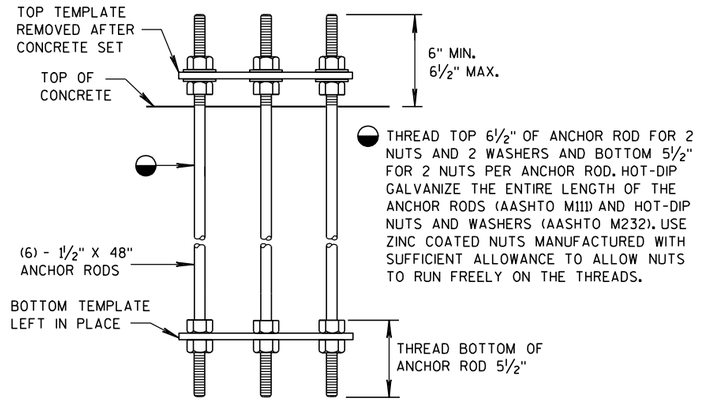
TO BE USED WHEN GROUND ELEVATION AT BASE EQUALS OR IS GREATER THAN HIGH POINT OF ROADWAY ELEVATION. SEE S.D.D. 9C13-1 WHEN GROUND ELEVATION AT BASE IS LOWER THAN HIGH POINT OF ROADWAY ELEVATION.



FORMING DETAIL



TOP AND BOTTOM TEMPLATES



ANCHOR BOLT ASSEMBLY DETAIL

CONCRETE BASE TYPE 10
ANCHOR ASSEMBLY

QUANTITY REQUIREMENTS	
APPROX. CUBIC YARDS OF CONCRETE	2.5
LBS. OF HOOP BAR STEEL	69
LBS. OF VERTICAL BAR STEEL	122

CONCRETE BASE TYPE 10

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

3-2-11 DATE

/S/ Thomas J. Cornips STATE ELECTRICAL ENGI

524

HWYS

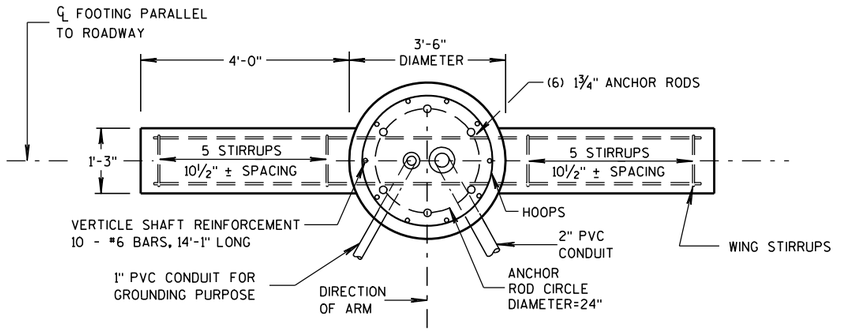
FHWA

6

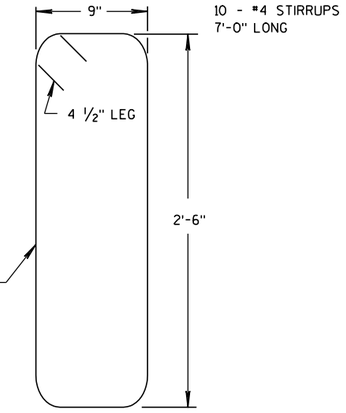
S.D.D. 9 C 11-2

6

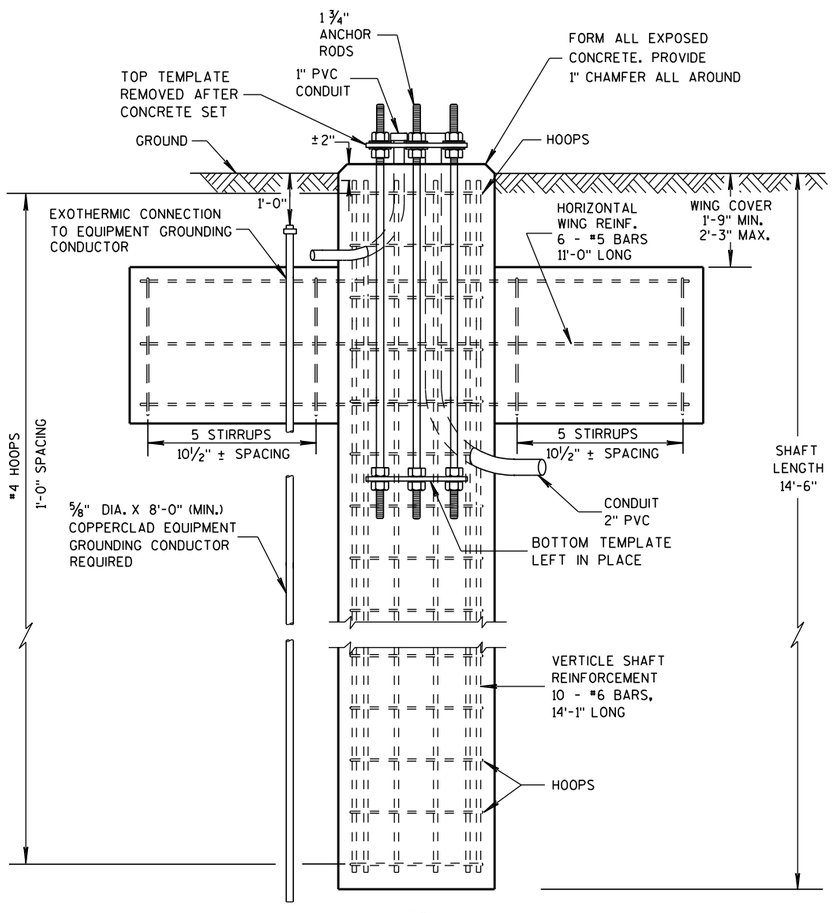
S.D.D. 9 C 11-2



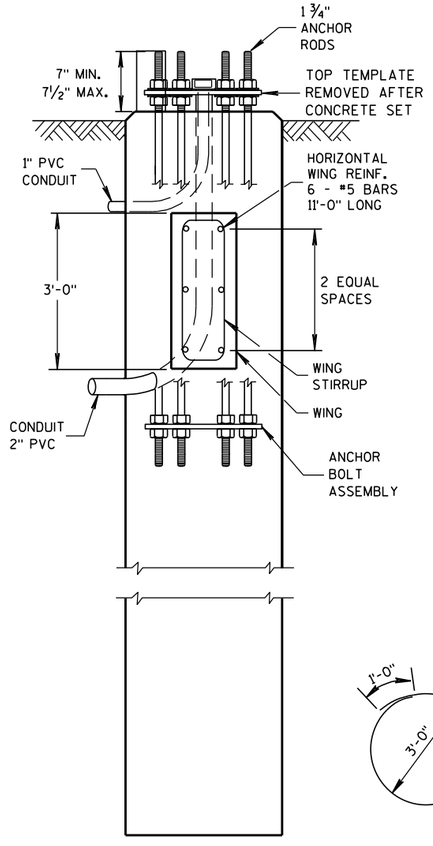
PLAN VIEW



WING STIRRUP

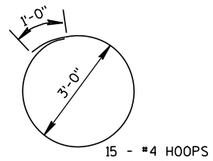


ELEVATION VIEW



SIDE VIEW

DOES NOT SHOW HOOPS OR
VERTICAL SHAFT REINFORCEMENT



15 - #4 HOOPS
10'-6" LONG

HOOP DETAIL

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

ORIENT ANCHOR RODS IN FOOTING AND PROVIDE ANCHOR ROD PROJECTION ABOVE TOP OF CONCRETE FOOTING BASE PER THIS SHEET.

BENDING DIMENSIONS FOR REINFORCING BARS ARE OUT TO OUT.

USE 3" CLEAR FOR ALL REINFORCEMENT UNLESS NOTED OTHERWISE.

THE CONTRACTOR IS RESPONSIBLE FOR MAKING HIS OWN DETERMINATION AS TO THE TYPE AND LOCATION OF THE UNDERGROUND UTILITIES AS MAY BE NECESSARY TO AVOID DAMAGE THERETO.

WELDING OF ANCHOR RODS TO THE CAGE IS UNACCEPTABLE. TEMPLATES SHALL BE USED.

BASES (SHAFT), BELOW THE WING, SHALL BE EXCAVATED BY THE USE OF A CIRCULAR AUGER. IF A BASE REQUIRES A DEEP FORM BECAUSE OF LOOSE SOIL, THE FORM SHALL BE REMOVED BEFORE BACKFILLING AROUNG THE BASE. BACKFILL SHALL BE TAMPED TIGHT AGAINST THE BARE CONCRETE BASE IN LAYERS OF 1 FOOT OR LESS.

TOP SURFACE OF THE CONCRETE BASE SHALL BE TROWEL FINISHED AND LEVEL.

CONDUIT SIZE AND LOCATIONS SHALL BE AS SHOWN ON THE PLANS.

MINIMUM BENDING RADIUS OF CONDUIT IS EQUAL TO 6 X THE DIAMETER.

CONDUIT HEIGHT ABOVE CONCRETE BASE SHALL BE 4½" INCHES. ALL METALLIC CONDUIT ENDS SHALL BE REAMED AND THREADED. NONMETALLIC CONDUIT SHALL HAVE BELL ENDS INSTALLED. ALL CONDUIT SHALL SLOPE TO PULL BOX.

ALL CONDUIT ENDS AT THE TOP OF THE BASES SHALL BE CAPPED IF METALLIC OR PLUGGED IF NONMETALLIC IMMEDIATELY AFTER PLACEMENT AND BEFORE CONCRETE IS POURED. CONDUITS IN WHICH WIRE OR CABLE IS NOT INSTALLED SHALL REMAIN CAPPED OR PLUGGED.

BELL ENDS SHALL BE INSTALLED ON ALL PVC CONDUIT EXPOSED AT THE TOP OF CONCRETE BASES BEFORE INSTALLATION OF CABLE OR WIRE.

WHEN REQUIRED TO CONNECT NONMETALLIC CONDUIT TO METALLIC CONDUIT, ONLY ADAPTOR FITTINGS, UL LISTED FOR ELECTRICAL USE, SHALL BE USED.

A NO. 4 AWG, STRANDED COPPER EQUIPMENT GROUNDING CONDUCTOR SHALL BE EXOTHERMICALLY WELDED TO THE EQUIPMENT GROUNDING ELECTRODE (GROUND ROD).

THE EQUIPMENT GROUNDING CONDUCTOR SHALL BE FURNISHED AND INSTALLED TO ENTER THE BASE THROUGH A 1-INCH CONDUIT INSTALLED FOR GROUNDING PURPOSES, LEAVING A 4-FOOT COIL OF WIRE ABOVE THE CONCRETE BASE, THE EQUIPMENT GROUNDING CONDUCTOR SHALL BE NEATLY COILED AND THE COILS TIED TOGETHER.

BAR STEEL REINFORCEMENT SHALL BE COATED WITH POWDERED EPOXY RESIN IN ACCORDANCE WITH SECTION 505 OF THE STANDARD SPECIFICATIONS.

THE MINIMUM DEPTH OF CONDUIT EXITING THE CONCRETE BASE AND INSTALLED BELOW THE TRAVEL WAY SHALL BE 24-INCHES. THE MINIMUM DEPTH OF CONDUIT EXITING THE CONCRETE BASE THAT IS NOT INSTALLED BELOW THE TRAVELED WAY SHALL BE 18-INCHES. THE MAXIMUM DEPTH OF ALL CONDUIT SHALL BE 36-INCHES, (GREATER THAN 36-INCHES IF INSTALLED IN BREAKER-RUN), EXCEPT WITH THE WRITTEN APPROVAL OF THE ENGINEER.

ANCHOR RODS SHALL BE INSTALLED WITH MISALIGNMENTS OF LESS THAN 1:40 FROM VERTICAL.

CONCRETE MASONRY	fc=3,500 p.s.i.
HIGH STRENGTH BAR STEEL REINFORCEMENT, GRADE 60	fy=60,000 p.s.i.
ANCHOR RODS, AASHTO M314 GRADE 55	fy=55,000 p.s.i.
TEMPLATES, ASTM A709 GRADE 36	fy=36,000 p.s.i.

(FOR TYPE 12 & 13 POLES)

CONCRETE = 6.3 C.Y.
H.S. REINFORCEMENT = 433 LBS.

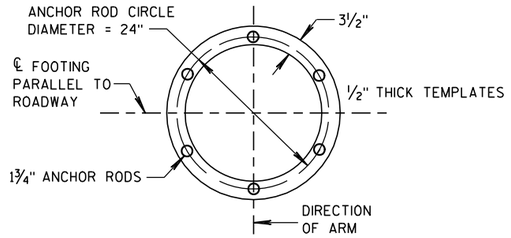
TO BE USED WHEN GROUND ELEVATION AT BASE EQUALS OR IS GREATER THAN HIGH POINT OF ROADWAY ELEVATION.
SEE S.D.D. 9C13-1 WHEN GROUND ELEVATION AT BASE IS LOWER THAN HIGH POINT OF ROADWAY ELEVATION.

CONCRETE BASE TYPE 13

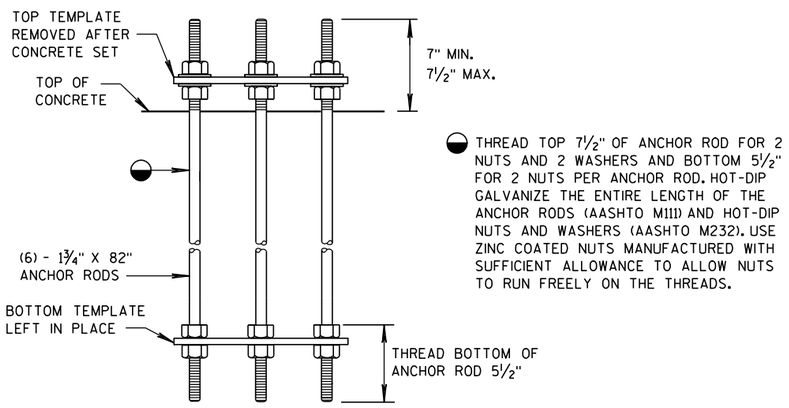
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

S.D.D. 9 C 12 -2a

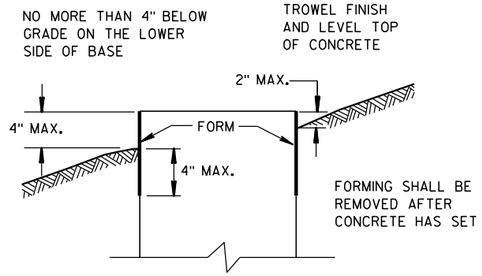


TOP AND BOTTOM TEMPLATES



ANCHOR BOLT ASSEMBLY DETAIL

CONCRETE BASE TYPE 13 ANCHOR ASSEMBLY



FORMING DETAIL

CONCRETE BASE TYPE 13	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED 3-2-11 DATE FHWA	/S/ Thomas J. Cearlock STATE ELECTRICAL ENGI 526 HWYS

6

S.D.D. 9 C 12-2b

6

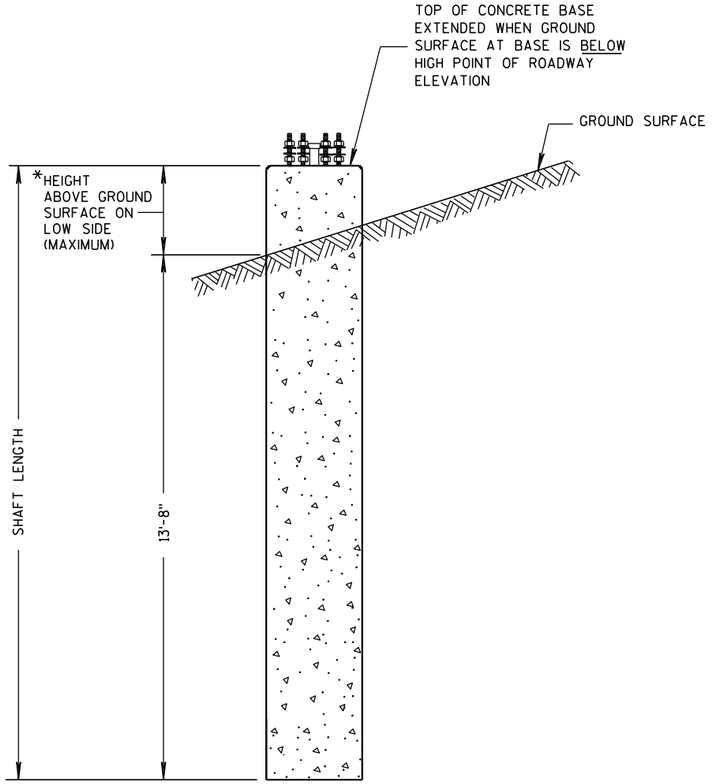
S.D.D. 9 C 12-2b

REINFORCEMENT AND CONCRETE QUANTITIES
ADJUSTED FOR EXTENDED TYPE 10 CONCRETE BASE

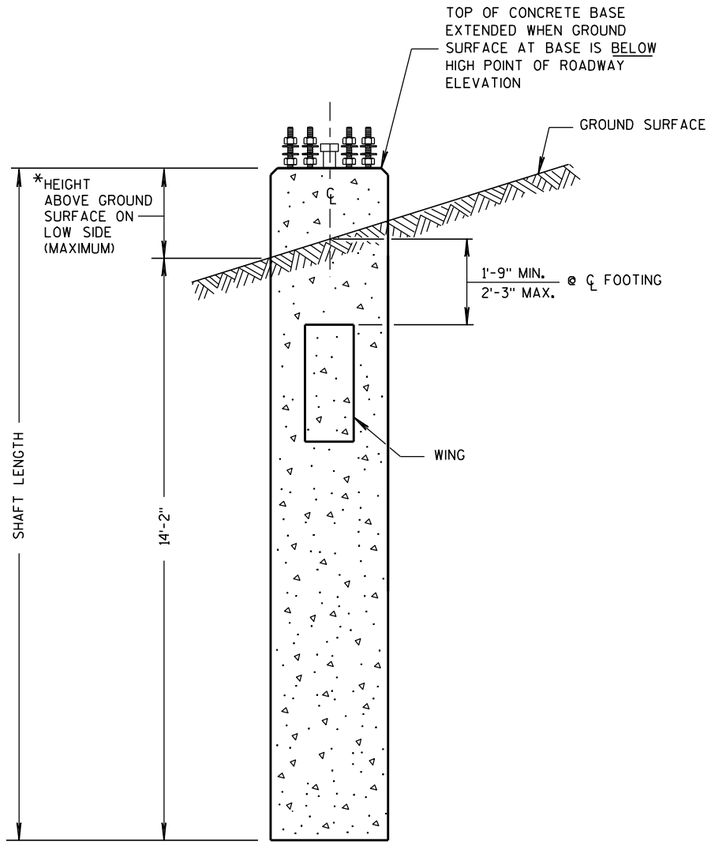
HEIGHT INCREASE REQUIRED	* HEIGHT ABOVE GROUND SURFACE ON LOW SIDE (MAXIMUM)	SHAFT LENGTH	LENGTH OF #6 VERTICAL REINF.	NO. OF #4 HOOPS	C.Y. OF CONCRETE	LBS. OF HOOP BAR STEEL	LBS. OF VERTICAL BAR STEEL
>0" TO 6"	10"	14'-6"	14'-1"	16	2.6	78	127
>6" TO 1'-0"	1'-4"	15'-0"	14'-7"	16	2.7	78	131
>1'-0" TO 1'-6"	1'-10"	15'-6"	15'-1"	17	2.8	83	136
>1'-6" TO 2'-0"	2'-4"	16'-0"	15'-7"	17	2.9	83	141

REINFORCEMENT AND CONCRETE QUANTITIES
ADJUSTED FOR EXTENDED TYPE 13 CONCRETE BASE

HEIGHT INCREASE REQUIRED	* HEIGHT ABOVE GROUND SURFACE ON LOW SIDE (MAXIMUM)	SHAFT LENGTH	LENGTH OF #6 VERTICAL REINF.	NO. OF #4 HOOPS	C.Y. OF CONCRETE	LBS. OF H.S. BAR STEEL
>0" TO 6"	10"	15'-0"	14'-7"	16	6.5	447
>6" TO 1'-0"	1'-4"	15'-6"	15'-1"	16	6.6	454
>1'-0" TO 1'-6"	1'-10"	16'-0"	15'-7"	17	6.8	469
>1'-6" TO 2'-0"	2'-4"	16'-6"	16'-1"	17	7.0	476



CONCRETE BASE TYPE 10 (EXTENDED)



CONCRETE BASE TYPE 13 (EXTENDED)

CONCRETE BASE
TYPE 10 & TYPE 13 EXTENSION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

3-3-10 DATE — /S/ Joanna L. Rush STATE ELECTRICAL ENGI — HWYS

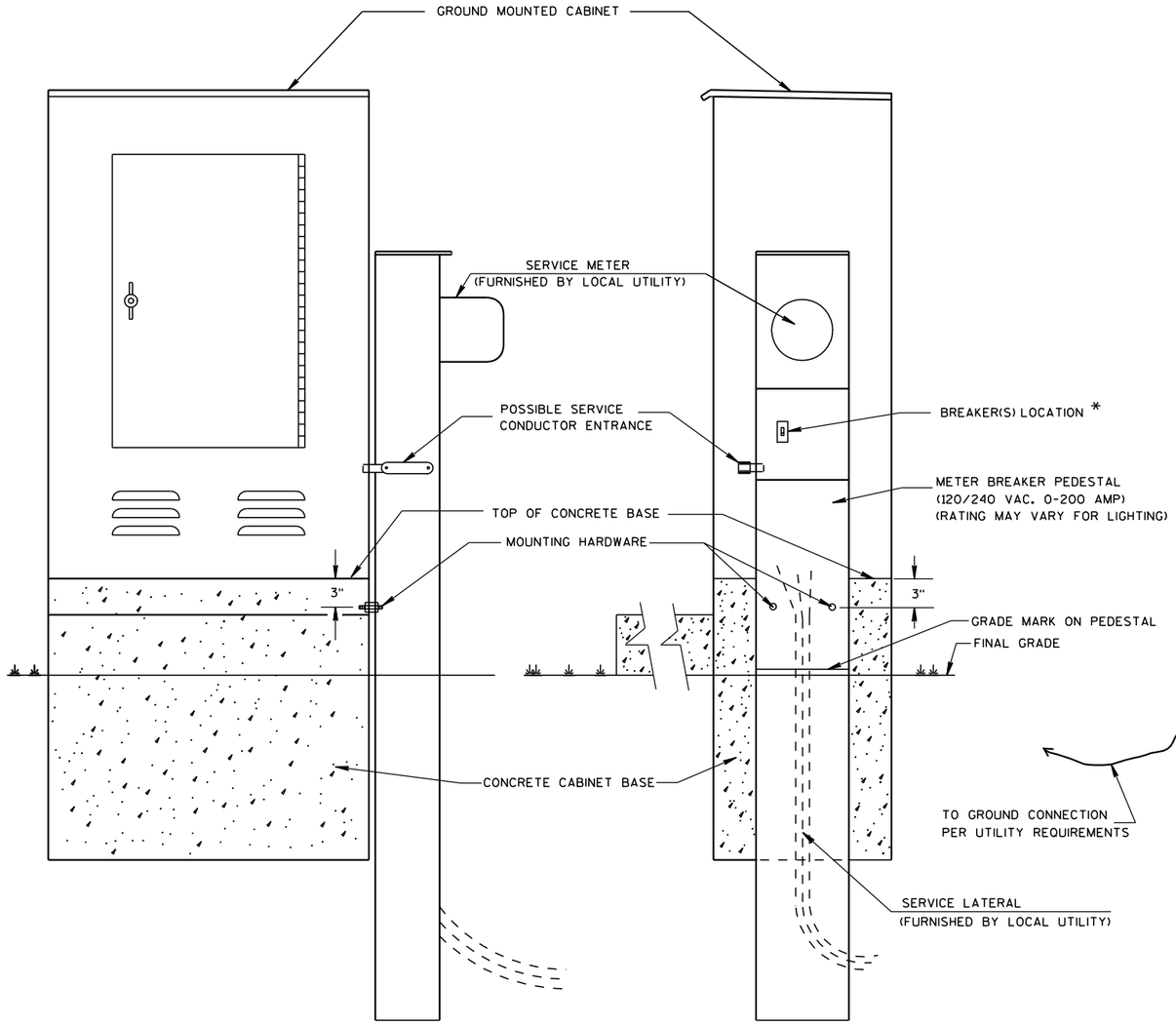
FHWA

6

S.D.D. 9 C 13-1

6

S.D.D. 9 C 13-1



TYPICAL CABINET SERVICE INSTALLATION

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

THE EXACT LOCATION OF THE METER BREAKER PEDESTAL SHALL BE DETERMINED BY THE ENGINEER IN THE FIELD.

THE TYPE OF CONCRETE CABINET BASE TO BE INSTALLED SHALL BE AS CALLED FOR IN THE PLANS.

TO FACILITATE FLUSH MOUNTING OF THE METER BREAKER PEDESTAL AGAINST THE SIDE OF THE CABINET BASE (IF FLUSH MOUNTING POSSIBLE. CONFER WITH THE LOCAL UTILITY TO DETERMINE WHICH SIDE OF THE CONCRETE BASE THE ELECTRICAL SERVICE LATERAL WILL APPROACH. THEN FORM THAT INDICATED SIDE FOR FULL SIDE DEPTH.

WHILE FLUSH MOUNTING IS THE MOST DESIRABLE MOUNTING CONFIGURATION UTILITY REQUIREMENTS MAY PRECLUDE THIS OPTION. CONTRACTOR MUST PROVIDE UTILITY APPROVED PEDESTAL AND INSTALL PER UTILITY AND MANUFACTURERS REQUIREMENTS.

SERVICE CONDUCTOR ENTRANCES SHALL BE RIGID METALLIC CONDUIT, NIPPLES AND/OR CONDULETS AS REQUIRED.

SERVICE CONDUCTOR ENTRANCES SHALL BE SIZED AND LOCATED AS REQUIRED BY THE LOCAL UTILITY AND IN ACCORDANCE WITH APPROPRIATE ARTICLES OF THE LATEST ACCEPTED NATIONAL ELECTRICAL CODE.

IF MORE THAN ONE GROUNDING ELECTRODE IS REQUIRED, THE DISTANCE APART SHALL BE 6 FEET OR PER LOCAL UTILITY REGULATIONS.

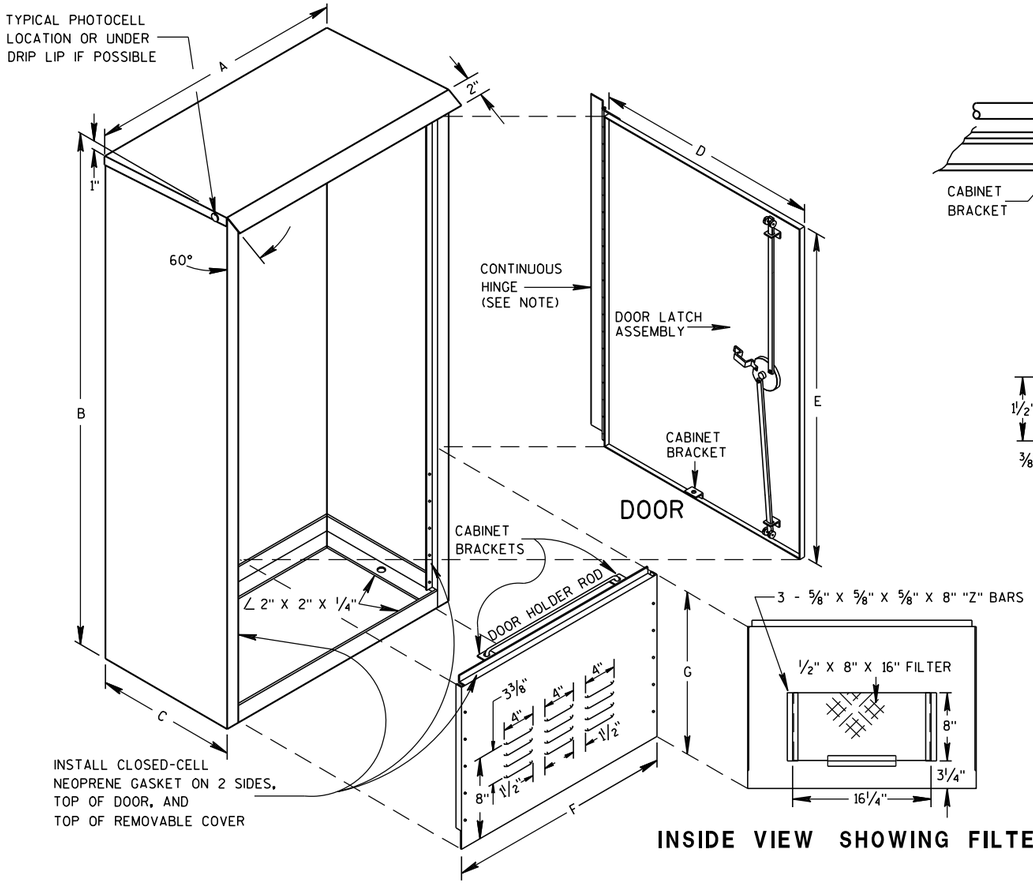
* SOME PEDESTAL LIGHTING PLANS SHOW MAIN LUGS ONLY.

CABINET SERVICE INSTALLATION (METER BREAKER PEDESTAL)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
10/27/09 DATE
/S/ Joanna L. Bush STATE ELECTRICAL ENGI 528 HWYS
FHWA

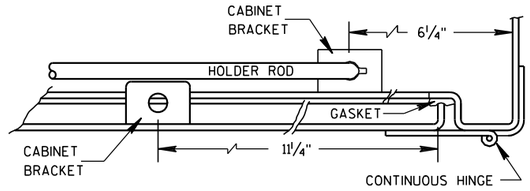
6
S.D.D. 9 D 1-4



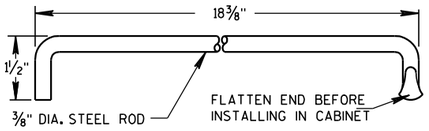
DOOR

REMOVABLE COVER

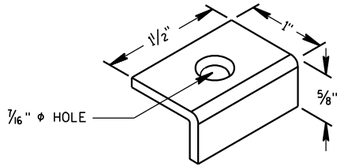
INSIDE VIEW SHOWING FILTER



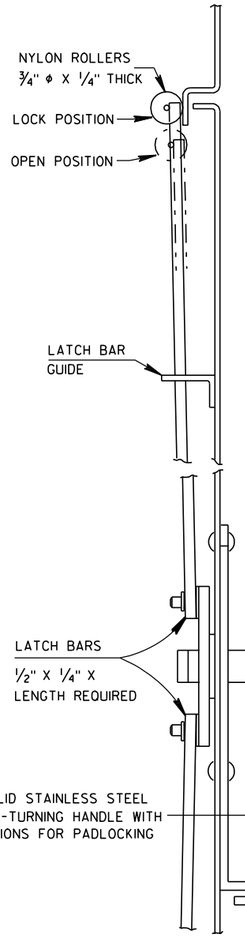
HINGE & DOOR HOLDER



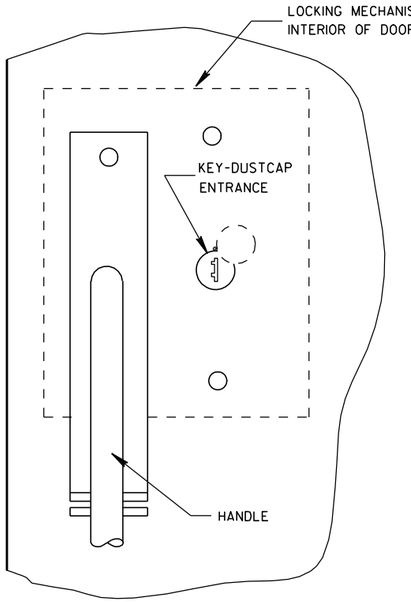
HOLDER ROD



CABINET BRACKET

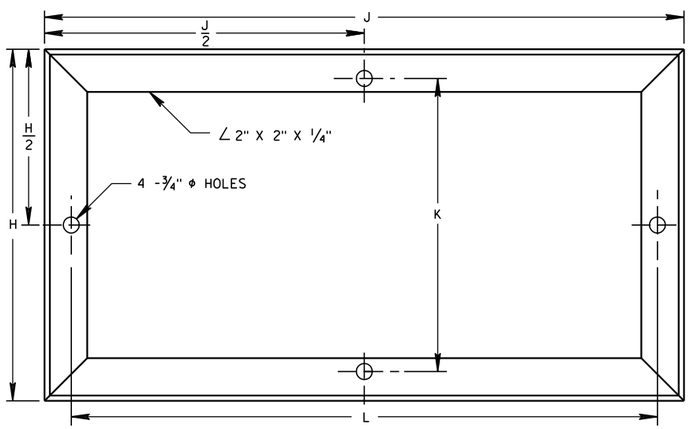


SIDE VIEW



FRONT VIEW

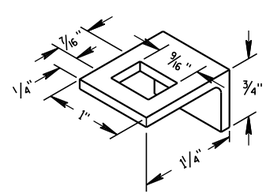
LATCH ASSEMBLY



MOUNTING BASE

TABLE OF DIMENSIONS (INCHES)

MARK	CABINET TYPE		
	3060	3860	3866
A	30	38	38
B	60	60	66
C	16 1/2	16 1/2	24
D	26 1/2	34 3/4	33 3/4
E	38 3/4	38 3/4	38 3/4
F	26 1/2	34 3/4	33 3/4
G	19	19	25
H	16 1/2	16 1/2	24
H/2	8 1/4	8 1/4	12
J	30	38	38
J/2	15	19	19
K	13 3/4	13 3/4	21 1/4
L	27 1/2	35 1/2	35 1/2



LATCH BAR GUIDE

GENERAL NOTES

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

PRIME WITH PHOSPHATE TREATMENT AND PRIMER.

FINISH EXTERIOR SURFACES WITH RUSTOLEUM #906 SILVER GRAY OR APPROVED EQUAL.

FINISH INTERIOR WITH RUSTOLEUM #2766 HIGH GLOSS WHITE ENAMEL OR APPROVED EQUAL.

ALL SHEET METAL PARTS SHALL BE .125 INCH THICK ALUMINUM.

ALL SEAMS SHALL BE CONTINUOUSLY WELDED.

ALUMINUM SHALL BE TYPE 5052-H32.

CONTINUOUS HINGE SHALL BE HEAVY GAUGE ALUMINUM WITH 1/4" DIAMETER STAINLESS STEEL HINGE PIN. HINGE IS SECURED WITH 1/4" X 20 TPI STAINLESS STEEL CARRIAGE BOLTS AND STAINLESS STEEL NYLOCK NUTS.

A SINGLE PHOTOCELL SHALL BE LOCATED ON THE NORTH-NORTHEAST SIDE OF THE CABINET UNLESS OTHERWISE CALLED FOR IN THE SPECIAL PROVISIONS. THE PHOTOCELL SHALL BE PLACED AS SHOWN AND SHALL BE AN APPROVED TYPE.

DOOR LATCH ASSEMBLY TO BE PROVIDED WITH THREE-POINT LOCKING MECHANISM.

SIGNAL OR LIGHTING CONTROL CABINET

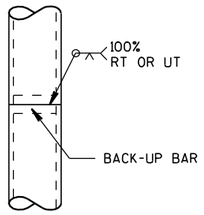
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
10/21/96 — DATE
/S/ Balu Ananthanarayanan — STATE ELECTRICAL ENGI
529 HWYS
FHWA

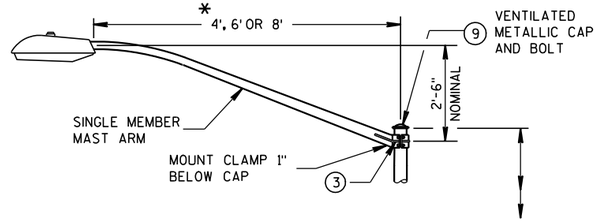
FOR MANUFACTURERS USE ONLY

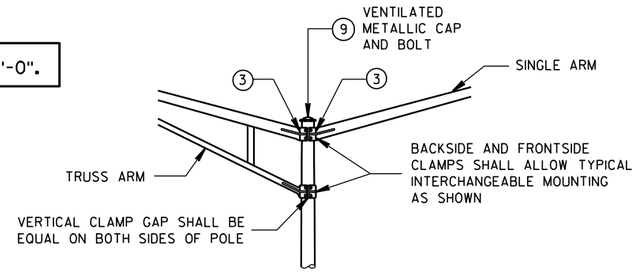
WELD TO BE 100% R.T. OR U.T. TESTED AS PER THE REQUIREMENTS OF AWS D 1.5-88. RECORDS OF COMPLIANCE OF SUCH TESTING SHALL BE FURNISHED TO THE OFFICE OF DESIGN/BRIDGE FOR VERIFICATION AND APPROVAL.

*RISE FOR 4' ARM SHALL BE 2'-0".



POLE SPLICE DETAIL

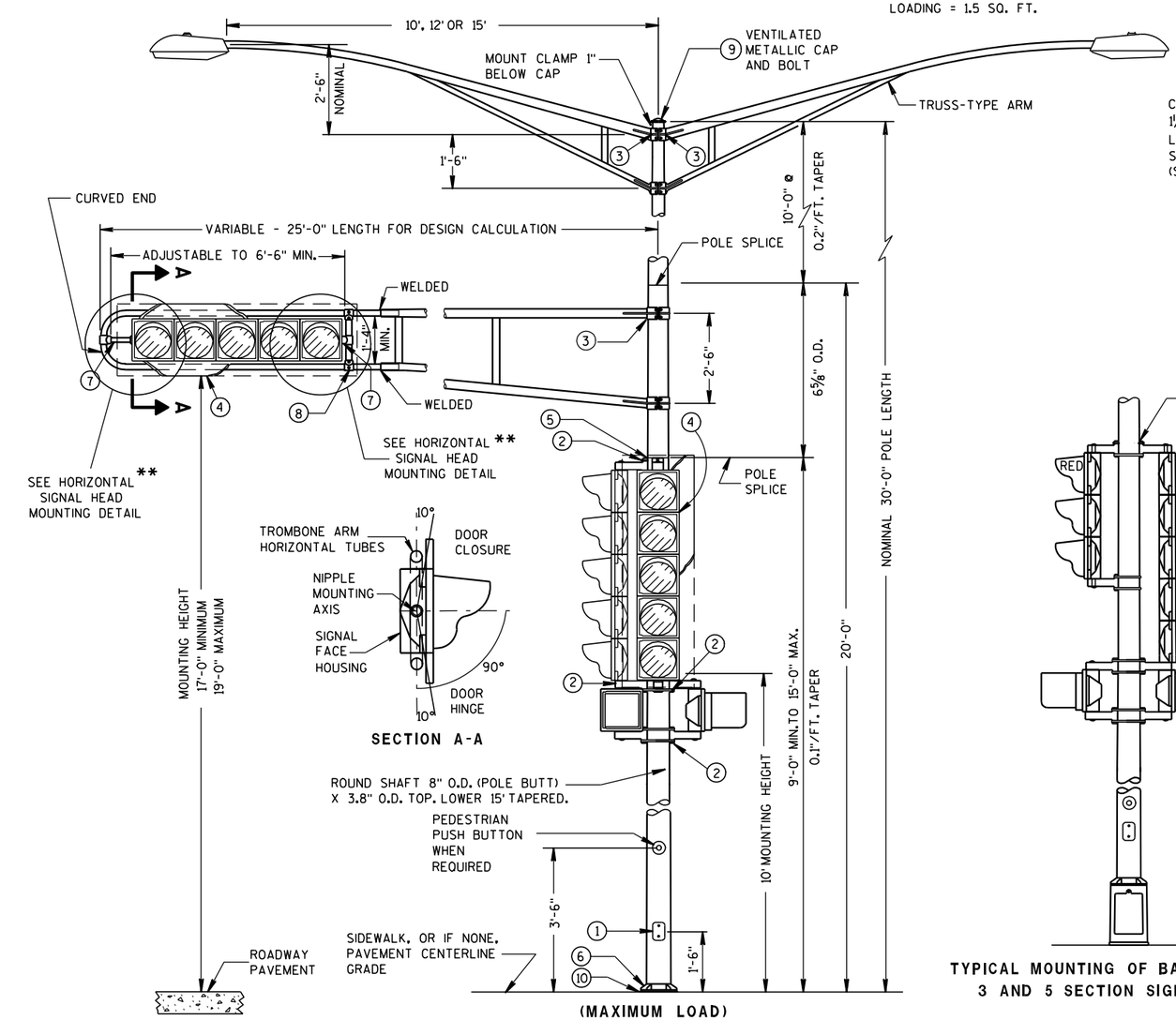


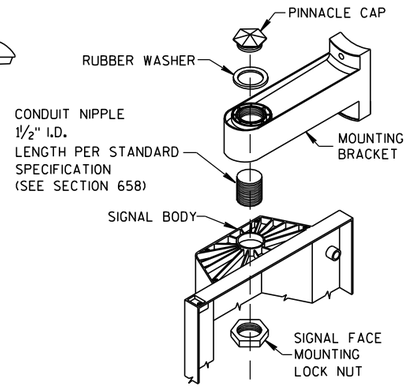


INTERCHANGEABLE MOUNTING DETAIL

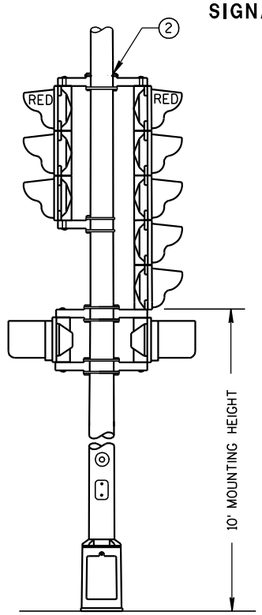
LUMINAIRE

WT. - 50 LBS.
EFFECTIVE PROJECTED AREA FOR WIND LOADING = 1.5 SQ. FT.

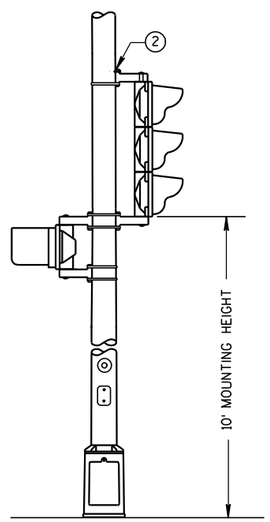




SIGNAL FACE MOUNTING DETAIL (BANDED)



TYPICAL MOUNTING OF BACK TO BACK 3 AND 5 SECTION SIGNAL FACES



TYPICAL MOUNTING OF 3 SECTION SIGNAL FACE

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

ALL TYPE 3 POLE MOUNTINGS SHALL BE DESIGNED TO INCLUDE TWIN 15' ARMS WITH LUMINAIRES.

POLES SHALL BE GALVANIZED STEEL.

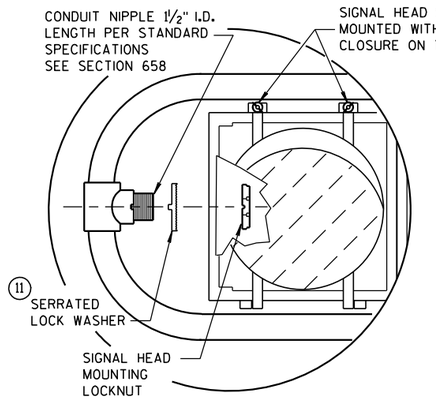
SECTION 657, POLES, OF THE STANDARD SPECIFICATIONS SHALL APPLY TO THIS DRAWING.

A PULL WIRE/ROPE IN ACCORDANCE WITH STANDARD SPECIFICATION 652, SHALL BE INSTALLED IN EACH TROMBONE ARM RACEWAY DURING THE MANUFACTURING PROCESS.

THE SLIPFITTER END OF THE LUMINAIRE MAST ARM SHALL BE A NOMINAL 2⅜ INCHES IN OUTSIDE DIAMETER. THE STRAIGHT PORTION OF THE SLIPFITTER END OF THE LUMINAIRE MAST ARM SHALL BE A NOMINAL 12 INCHES IN LENGTH.

WHEN TRANSFORMER BASES ARE USED, WIRE CONNECTIONS SHALL BE MADE IN THE TRANSFORMER BASE.

1. 4" X 6" REINFORCED HANDHOLE & COVER ASSEMBLY WITH 2 (TWO) ¼" X ¾" - 20 TPI HEX HEAD STAINLESS STEEL BOLTS.
2. SIGNAL FACE MOUNTING BRACKETS, MOUNT WITH CAP SCREWS AND BANDING. (SEE STANDARD SPECIFICATIONS - SEC. 658)
3. GROMMETS, 1" CHASE NIPPLES OR 1" CLOSE CONDUIT NIPPLES WITH BUSHINGS SHALL BE PROVIDED FOR 1⅜" HOLE IN POLE SHAFT FOR WIRING.
4. SECURELY MOUNT DULL BLACK POLYCARBONATE BACKPLATES, PROJECTING 5" BEYOND ALL SIDES OF THE SIGNAL FACE HOUSING, PER MANUFACTURER'S RECOMMENDATIONS.
5. POLE MOUNTED SIGNAL FACES SHALL REQUIRE 1 OR MORE MOUNTING SPACERS UNDER THE TOP MOUNTING BRACKET(S) AS REQUIRED, TO PLUMB THE SIGNAL FACE.
6. TYPE 3 POLE CONFIGURATIONS SHALL BE MOUNTED DIRECTLY TO THEIR CONCRETE BASES.
7. MOUNTING BRACKET NIPPLES FOR THE SIGNAL FACE(S) SHALL BE 2 INCHES IN LENGTH AND 1½ INCHES IN DIAMETER. (SEE STANDARD SPECIFICATION - SECTION 658)
8. VERTICAL STRUT (ADJUSTABLE). ONE (1) SET SCREW (1/4 " X ¾" -20 TPI, STAINLESS STEEL, HEX HEAD) INTO EACH ARM MEMBER IF STRUT IS THE SLIDING TYPE.
9. FURNISH AND INSTALL VENTILATED, CAST, METALLIC (ALUMINUM ALLOY) CAPS. FASTEN CAPS WITH ONE (1) ¼" X ¾" - 20 TPI STAINLESS STEEL, HEX HEAD BOLT.
10. SHIMMING, IF NEEDED, SHALL BE LOCATED BETWEEN THE CONCRETE FOUNDATION AND POLE.
11. USE SERRATED LOCK WASHERS WITH NOTCHES BETWEEN END TEE AND SIGNAL HEAD.



HORIZONTAL SIGNAL HEAD MOUNTING DETAIL **

** SIGNAL HEAD ATTACHMENT ALSO APPLYS TO MOUNTING AT CROSS BAR

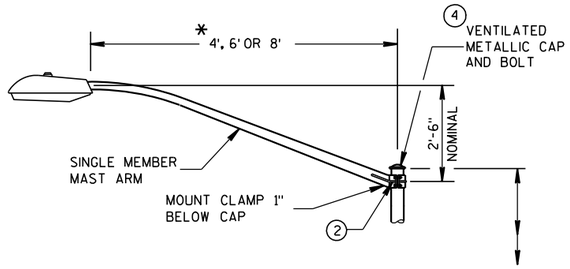
TYPE 3 POLE MOUNTING CONFIGURATION

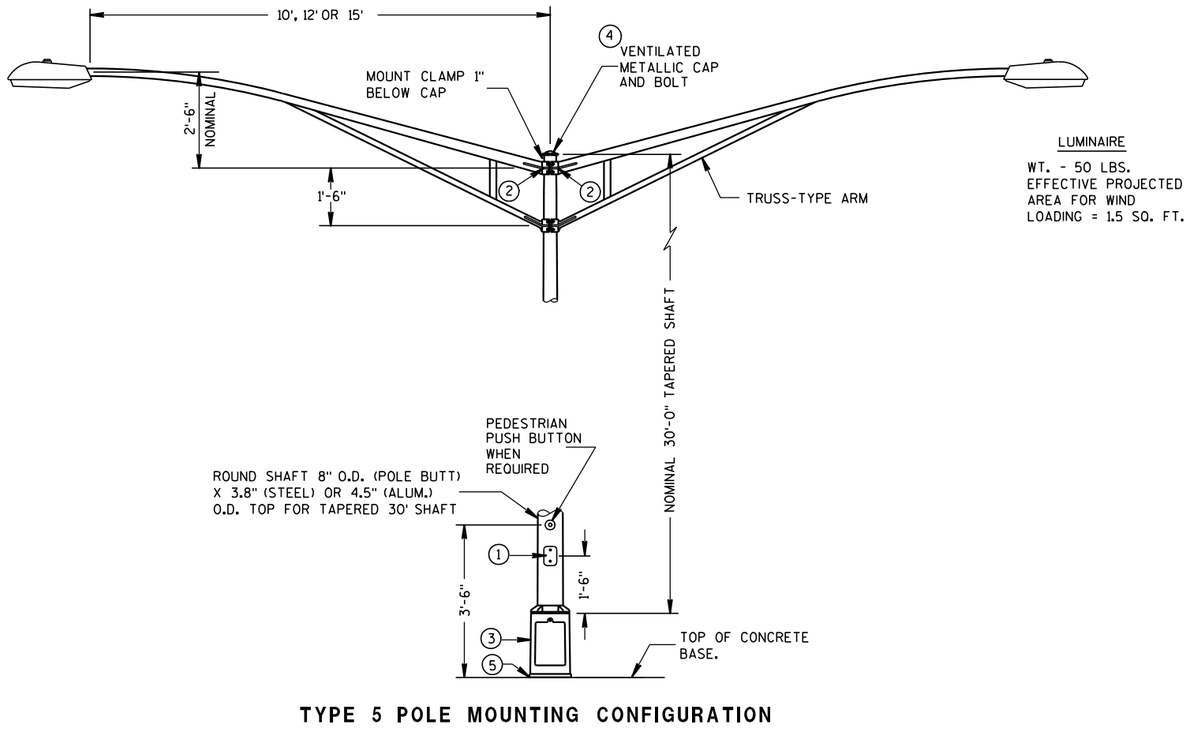
POLE MOUNTINGS FOR TRAFFIC SIGNALS AND LIGHTING UNITS, TYPE 3 (HEAVY DUTY)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

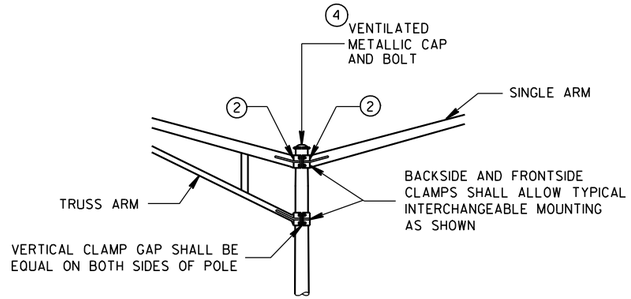
6
S.D.D. 9 E 1-11b

*RISE FOR 4' ARM SHALL BE 2'-0".





TYPE 5 POLE MOUNTING CONFIGURATION
(MAXIMUM LOAD)
LIGHTING ONLY



INTERCHANGEABLE MOUNTING DETAIL

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

ALL TYPE 5 POLE MOUNTINGS SHALL BE DESIGNED TO INCLUDE TWIN 15' ARMS WITH LUMINAIRES.

POLES SHALL BE GALVANIZED STEEL OR ALUMINUM, AS CALLED FOR IN THE CONTRACT.

TYPE 5 ALUMINUM POLES SHALL BE CONSTRUCTED OF 6063-T6 ALUMINUM ALLOY. SLEEVING INSIDE THE POLE IS NOT ACCEPTABLE.

THE TYPE 5 ALUMINUM POLES SHALL HAVE A MINIMUM WALL THICKNESS OF 0.188".

TYPE 5 STEEL POLES SHALL HAVE A MINIMUM WALL THICKNESS OF U.S. STANDARD 11 GAGE (.1196").

THE SLIPFITTER END OF THE LUMINAIRE MAST ARM SHALL BE A NOMINAL 2⅜ INCHES IN OUTSIDE DIAMETER. THE STRAIGHT PORTION OF THE SLIPFITTER END OF THE LUMINAIRE ARM SHALL BE A NOMINAL 12 INCHES IN LENGTH.

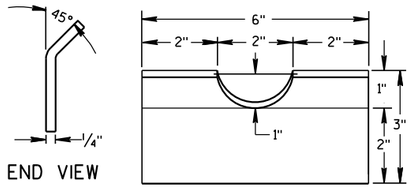
WHEN TRANSFORMER BASES ARE USED, WIRE CONEECTIONS SHALL BE MADE IN THE TRANSFORMER BASE.

1. 4" x 6" REINFORCED HANDHOLE & COVER ASSEMBLY WITH 2 (TWO) ¼" X ¾" - 20 TPI HEX HEAD STAINLESS STEEL BOLTS.
2. GROMMETS, 1" CHASE NIPPLES OR 1" CLOSE CONDUIT NIPPLES WITH BUSHINGS SHALL BE PROVIDED FOR 1⅜" HOLE IN POLE SHAFT FOR WIRING.
3. CAST ALUMINUM TRANSFORMER BASE, WHEN REQUIRED.
4. FURNISH AND INSTALL VENTILATED, CAST, METALLIC (ALUMINUM ALLOY) CAPS. FASTEN CAPS WITH ONE (1) ¼" X ¾" - 20 TPI STAINLESS STEEL, HEX HEAD BOLT.
5. SHIMMING, IF NEEDED, SHALL BE LOCATED BETWEEN THE CONCRETE FOUNDATION AND THE TRANSFORMER BASE.

POLE MONTINGS FOR LIGHTING UNITS, TYPE 5 (30 FEET)

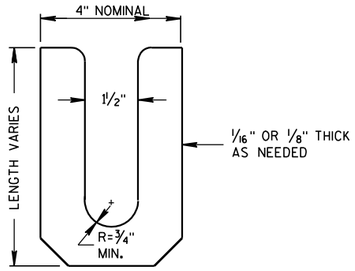
STATE OF WISCONSIN
DEPARTMENT OF TRANSPO...

6
S.D.D. 9 E 1-11d



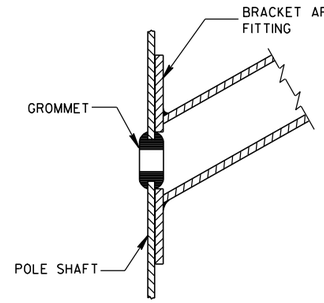
RECTANGULAR CLAMP SHIM

(4 TO A SET)

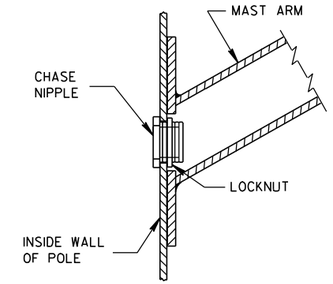


LEVELING SHIM (15)

SHALL BE ALUMINUM



TYPICAL APPLICATION OF GROMMET IN POLE SHAFT



TYPICAL APPLICATION OF CHASE NIPPLE IN POLE SHAFT

GENERAL NOTES

CLAMP BOLT-NUT TIGHTENING TORQUE SHALL BE INDICATED BY INDENT STAMPING (1/2 INCH NUMERALS AND LETTERS) OR WEATHERPROOF PRINTING ON THE INSIDE OF THE CLAMP THAT IS WELDED TO THE ARM MEMBER.

(10.) 4.5" I.D. FOR LUMINAIRE MAST ARM CLAMP.
6.625" I.D. FOR TROMBONE MAST ARM CLAMP.

(11.) INDIVIDUAL BASE PLATE ANCHOR ROD COVERS. (4 REQUIRED)

(12.) BASE PLATE SLOTTED TO ACCEPT 11" THROUGH 12" BOLT CIRCLE USING 1" DIAMETER ANCHOR RODS.

(13.) OUTSIDE SHIM DIAMETER - (4.5" O.D. FOR LUMINAIRE MAST ARM)
(6.625" O.D. FOR TROMBONE MAST ARM)

(14.) VARIABLE SHIM THICKNESS - (0.10", 0.25", 0.35", 0.53" OR 0.70")

SHIM THICKNESS FOR TROMBONE MAST ARMS MAY BE TYPICALLY 0.25", 0.35", 0.53" OR 0.70".

SHIM THICKNESS FOR LUMINAIRE MAST ARMS MAY BE TYPICALLY 0.10", 0.25" OR 0.35".

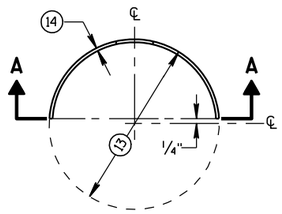
SHIM MATERIAL SHALL BE ALUMINUM ALLOY.

SHIM THICKNESS SHALL BE IMPRESSED INTO EACH SHIM. NUMERALS SHALL BE 1/4" HIGH AND LEGIBLE.

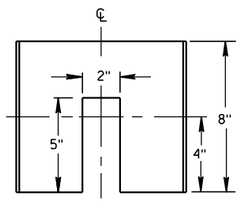
THE CONTRACTOR SHALL SUBMIT TWO COPIES OF ALL SHIM SHOP DRAWINGS TO THE ENGINEER FOR APPROVAL.

(15.) LEVELING SHIMS, DESIGNED FOR THE PURPOSE, SHALL BE USED WHEN PLUMBING POLES. THE USE OF WASHERS IN LIEU OF PROPER LEVELING SHIMS IS NOT ACCEPTABLE. LEVELING SHIMS SHALL BE USED ONLY BETWEEN THE TOP OF THE CONCRETE BASE AND A METALLIC BASE PLATE.

SHIMS SHALL BE LONG ENOUGH AND WIDE ENOUGH TO COMPLETELY COVER THE AREA UNDER THE LENGTH AND WIDTH OF THE BASE MOUNTING FLANGE.



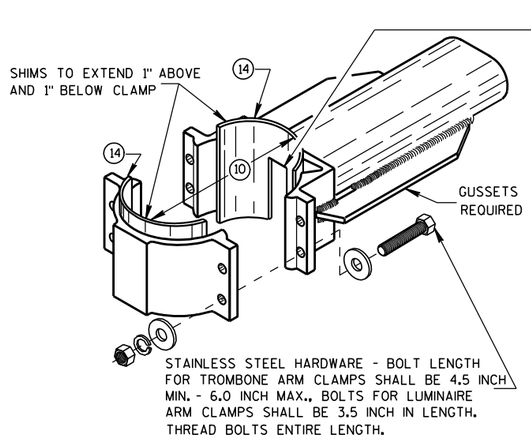
PLAN VIEW



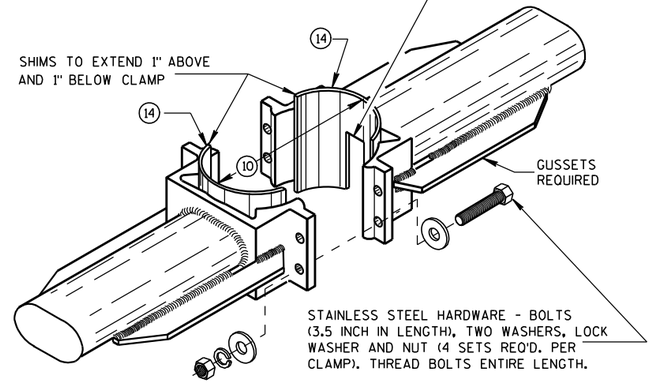
SECTION A-A

CIRCULAR CLAMP SHIM

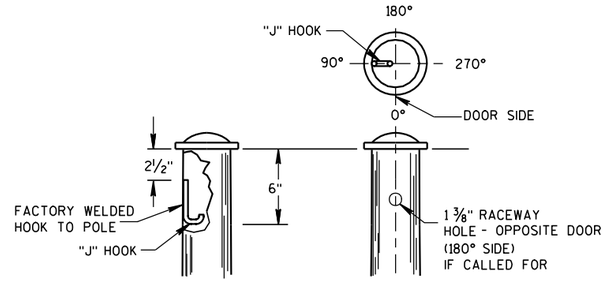
(2 TO A SET)



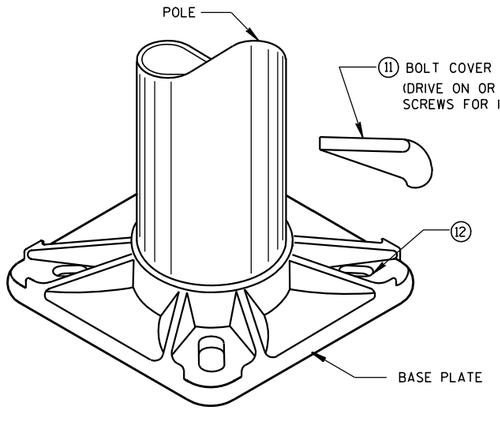
TYPICAL TROMBONE MAST ARM AND SINGLE LUMINAIRE MAST ARM MOUNTING CLAMP



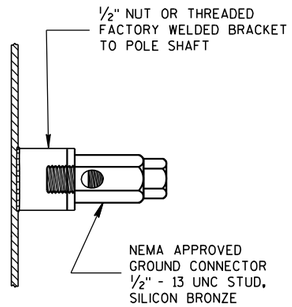
TYPICAL LUMINAIRE MAST ARM (DOUBLE) MOUNTING BRACKETS

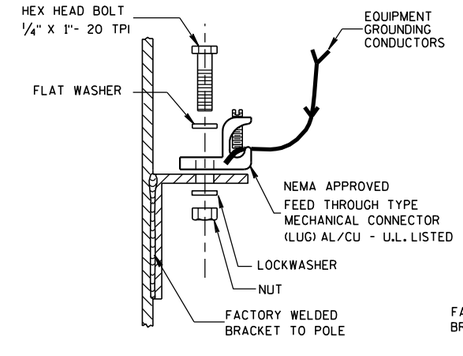


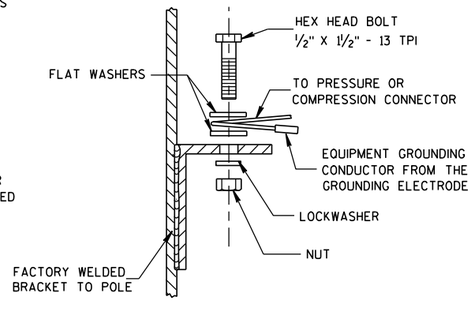
TYPICAL "J" HOOK LOCATION



BASE PLATE







TYPICAL GROUNDING CONNECTIONS

NUT, BOLT AND WASHERS SHALL BE STAINLESS STEEL

HARDWARE DETAILS FOR POLE MOUNTINGS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

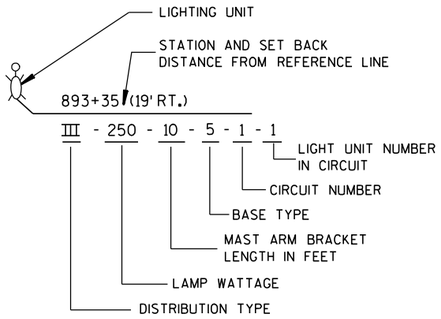
3/2/11 — DATE

/S/ Thomas J. Goerlinger — STATE ELECTRICAL ENGI 532 — HWYS

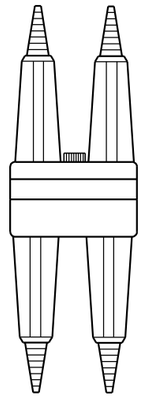
FHWA

6

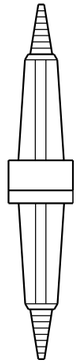
S.D.D. 9 E 1-11g



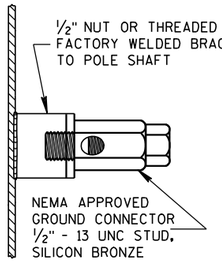
LIGHTING UNIT CODE
(TYPICAL)

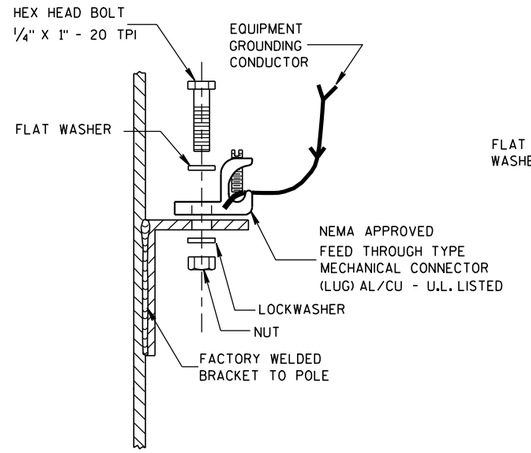


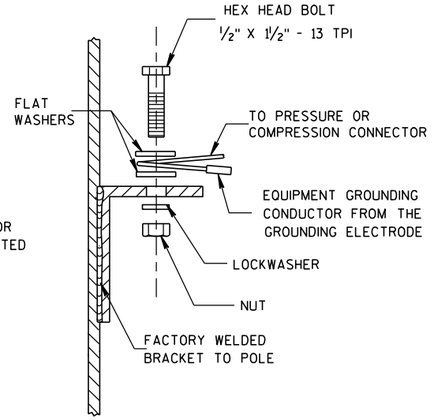
DETAIL "A"
BREAKAWY
DOUBLE POLE WITH
WATERPROOF
INSULATING BOOT



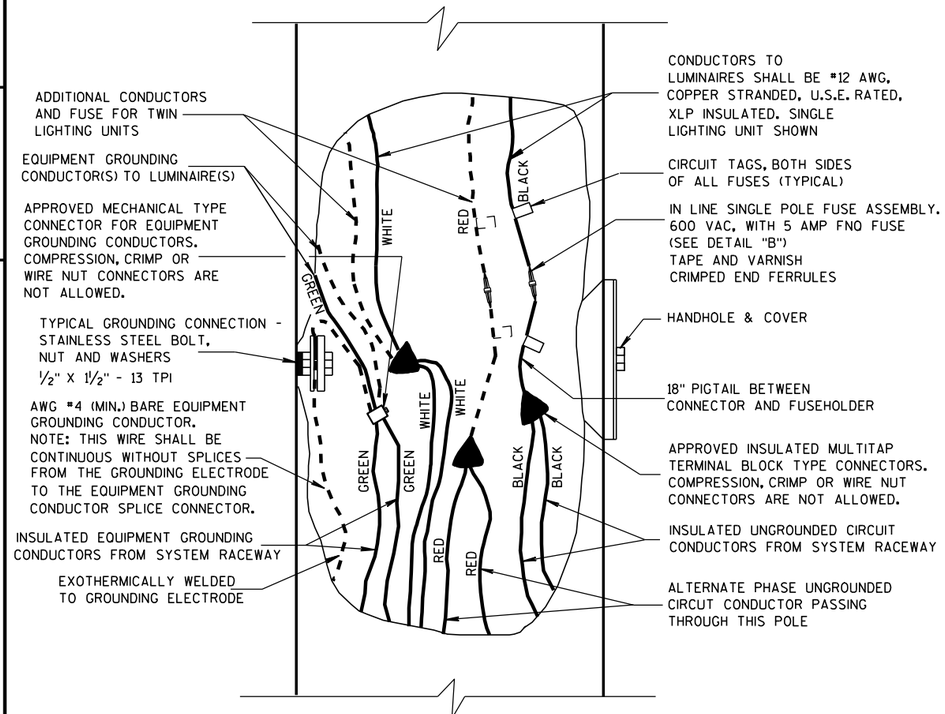
DETAIL "B"
BREAKAWY
SINGLE POLE WITH
WATERPROOF
INSULATING BOOT



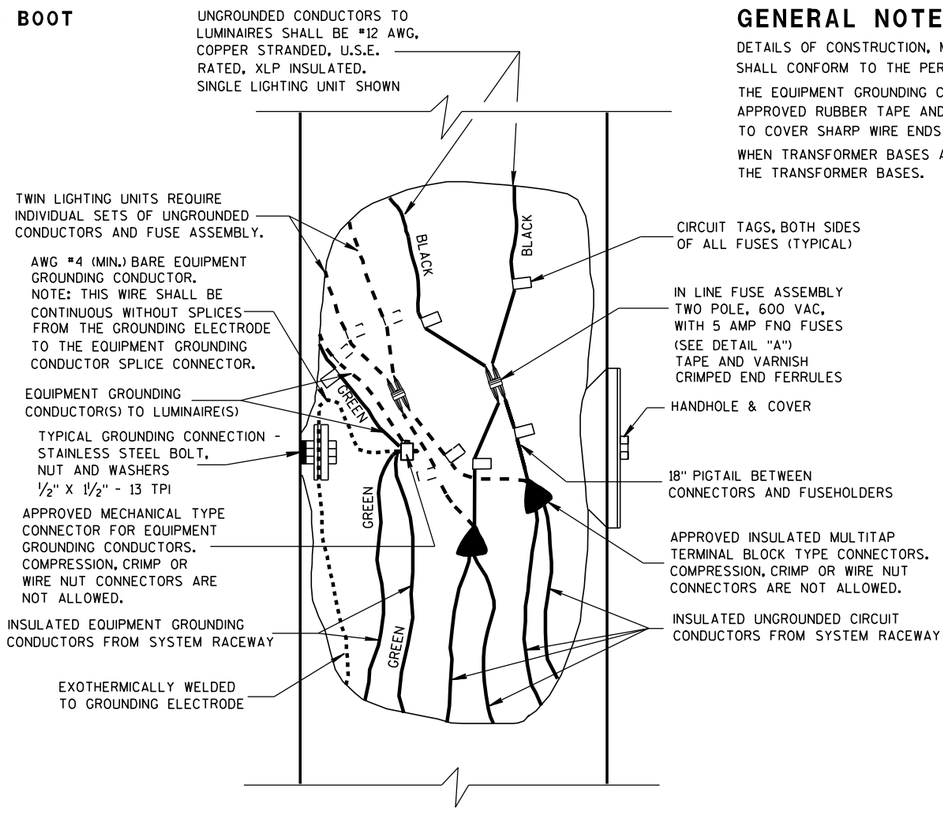




TYPICAL GROUNDING CONNECTIONS
NUT, BOLT, WASHERS AND LOCKWASHERS SHALL BE STAINLESS STEEL



3 WIRE - 120, 240 OR 480 VAC (UNGROUNDED CONDUCTOR) WITH GROUNDED CONDUCTOR AND WITH EQUIPMENT GROUNDING CONDUCTOR



2 WIRE - 240 OR 480 VAC (UNGROUNDED CONDUCTORS) WITH EQUIPMENT GROUNDING CONDUCTOR

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

THE EQUIPMENT GROUNDING CONNECTOR SHALL BE TAPED WITH 3 WRAPS (MINIMUM) OF APPROVED RUBBER TAPE AND THEN 3 WRAPS (MINIMUM) OF APPROVED VINYL TAPE TO COVER SHARP WIRE ENDS AFTER THE CONNECTION IS COMPLETED.

WHEN TRANSFORMER BASES ARE USED, ALL WIRING CONNECTIONS SHALL OCCUR WITHIN THE TRANSFORMER BASES.

NON-FREEWAY LIGHTING UNIT POLE WIRING

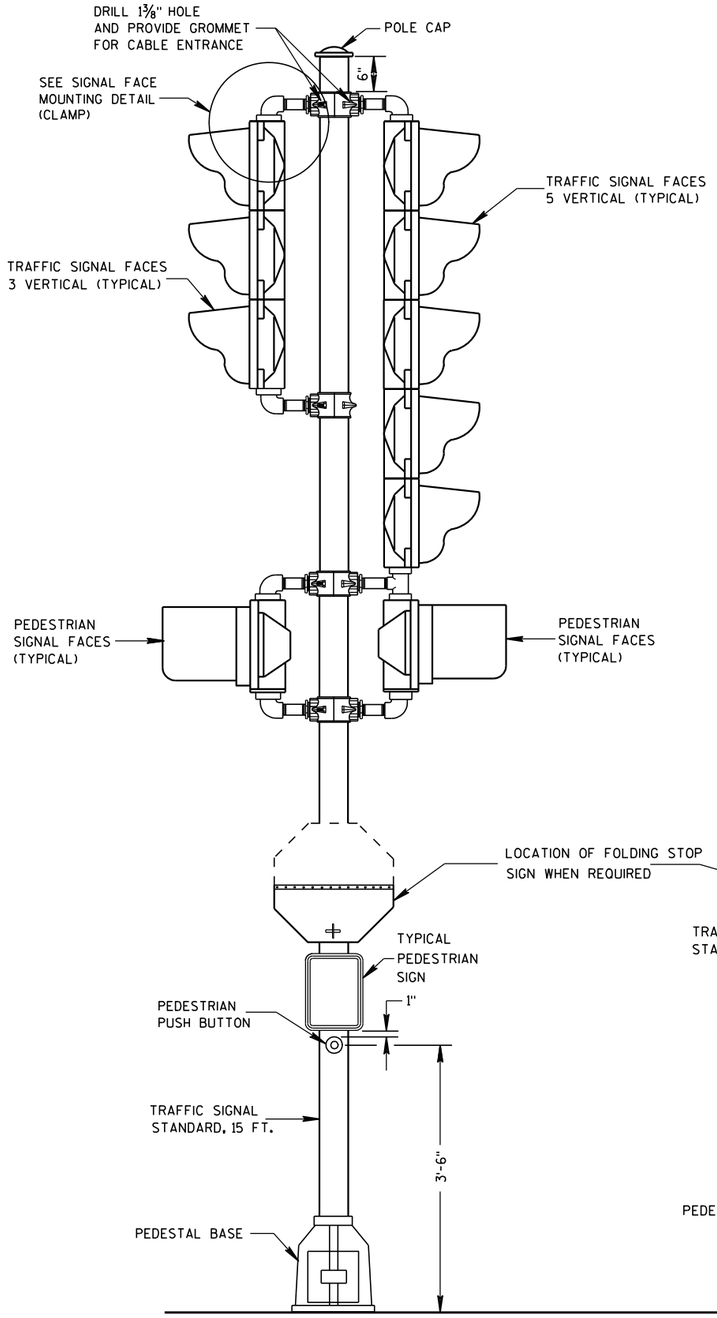
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

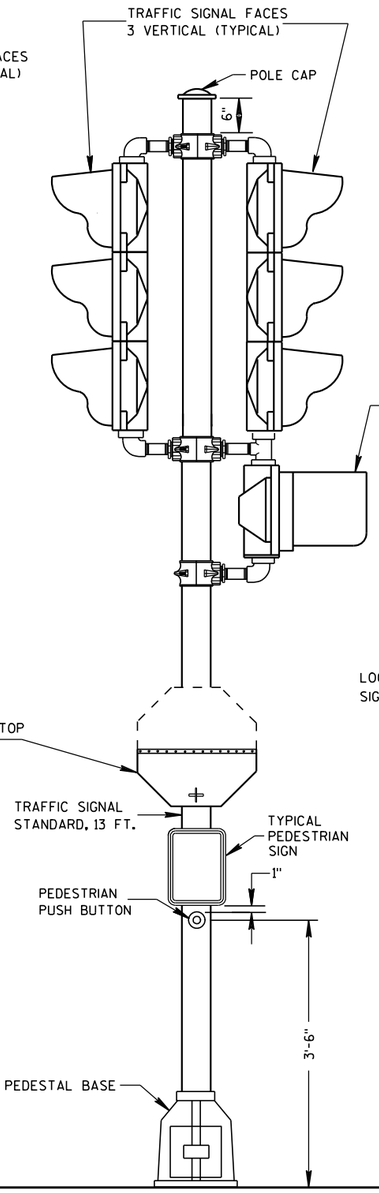
3/2/2011 DATE — /S/ Thomas J. Gosnell STATE ELECTRICAL ENGI — HWYS

FHWA

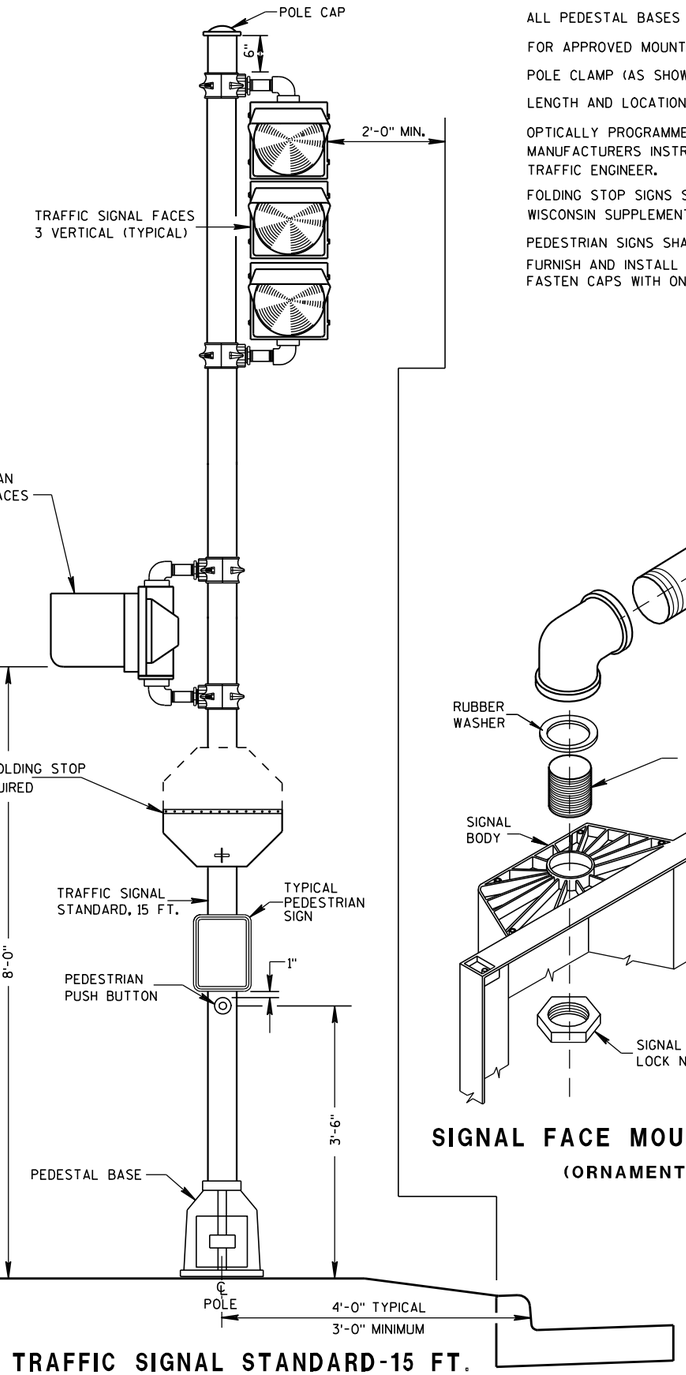
6
S.D.D. 9 E 3-4



TRAFFIC SIGNAL STANDARD-15 FT.



TRAFFIC SIGNAL STANDARD-13 FT.



TRAFFIC SIGNAL STANDARD-15 FT.
3M MOUNTING (TYPICAL)

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

SEE THE SIGNAL PLAN FOR REQUIRED SIGNAL FACE SIZES.

ALL PEDESTAL BASES SHALL BE MOUNTED ON CONCRETE BASE - TYPE 1.

FOR APPROVED MOUNTING HARDWARE, SEE THE CONTRACT SPECIAL PROVISIONS.

POLE CLAMP (AS SHOWN) MOUNTING BRACKETS SHALL BE USED.

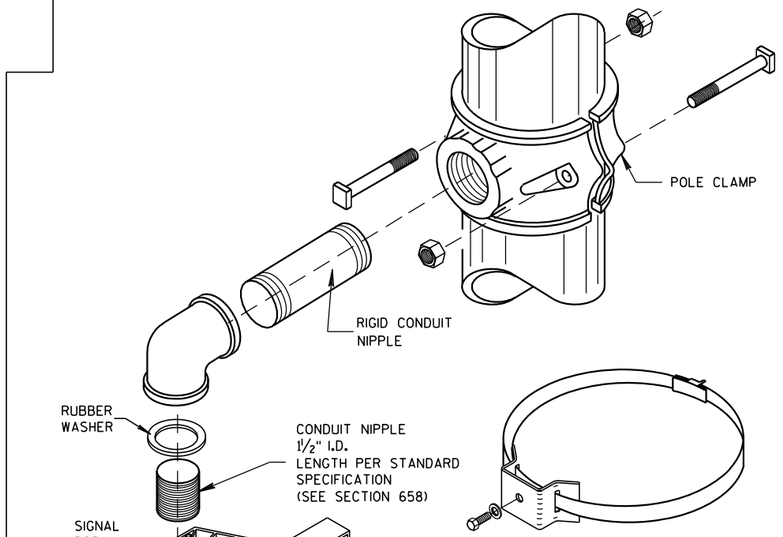
LENGTH AND LOCATION OF TRAFFIC SIGNAL STANDARDS SHALL BE AS SHOWN ON THE PLANS.

OPTICALLY PROGRAMMED SIGNAL FACES SHALL BE MASKED IN ACCORDANCE WITH MANUFACTURERS INSTRUCTIONS, AND UNDER THE DIRECTIONS OF THE DISTRICT TRAFFIC ENGINEER.

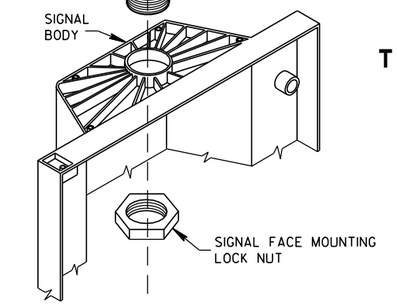
FOLDING STOP SIGNS SHALL BE IN ACCORDANCE WITH THE MUTCD AND/OR THE LATEST WISCONSIN SUPPLEMENT. THE SIGNS SHALL BE SIZED AND LOCATED AS CALLED FOR IN THE PLANS.

PEDESTRIAN SIGNS SHALL BE AS DESIGNATED IN THE PLANS.

FURNISH AND INSTALL VENTILATED, CAST, METALLIC (ALUMINUM ALLOY) CAPS. FASTEN CAPS WITH ONE (1) ¼" X ¾" - 20 TPI STAINLESS STEEL, HEX HEAD BOLT.



TYPICAL SIGN MOUNTING BAND
(TOP AND BOTTOM OF SIGN)



SIGNAL FACE MOUNTING DETAIL
(ORNAMENTAL)

**TRAFFIC SIGNAL STANDARD
ORNAMENTAL BRACKET MOUNTINGS
TYPICAL FOR 13 FT. OR 15 FT.**

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

5/11/10
DATE

/S/ John Corbin
STATE ELECTRICAL ENGI

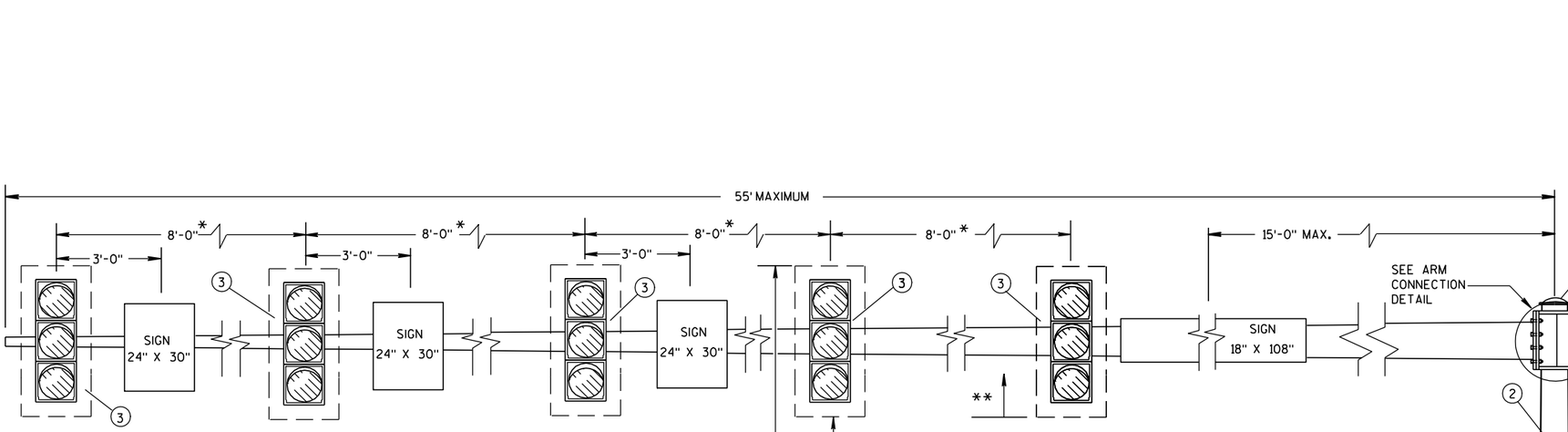
534

HWYS

FHWA

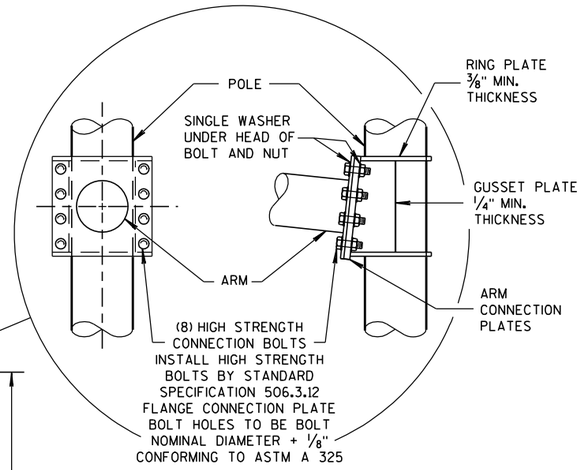
6

S.D.D. 9 E 5-5

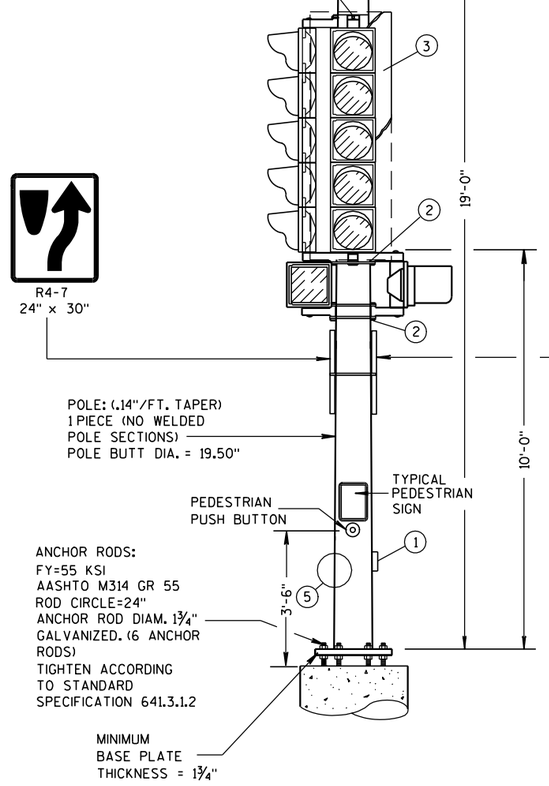


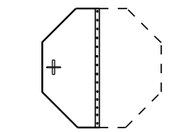
* DIMENSIONS SHOWN ARE FOR POLE/ARM DESIGN ONLY, NOT FOR FIELD LOCATION. THESE DIMENSIONS SHALL NOT BE DECREASED.

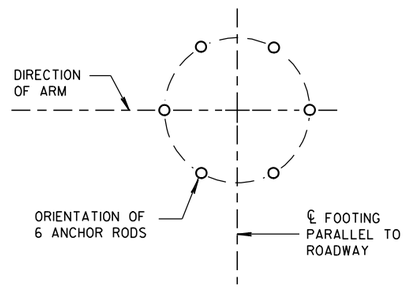
** SIGNALS MAY BE ADJUSTED ± 1'-0" MAXIMUM TO ACCOMODATE FOR VERTICAL CLEARANCE.



8 BOLT ARM CONNECTION DETAIL







ANCHOR ROD LOCATION

(MAXIMUM LOAD)

TYPE 12 POLE 35'- 55' MONOTUBE ARM

TYPE 12 POLE
35' - 55' MONOTUBE ARM

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
3/2/2011 — DATE
/S/ Thomas J. Gonring — STATE ELECTRICAL ENGI
535 — HWYS
FHWA

6

S.D.D. 9 E 8-4c

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

POLE TYPES 9 AND 10 ARE FOR ARM LENGTHS 15-FOOT TO 30-FOOT.

POLE TYPES 12 AND 13 ARE FOR ARM LENGTHS 35-FOOT TO 55-FOOT.

MONOTUBE POLE AND ARM SHALL BE GALVANIZED STEEL.

RING-STIFFENED BUILT-UP BOX TYPE OF ATTACHMENT FOR TRAFFIC SIGNAL ARM.

ONE (1) PIECE POLE CONSTRUCTION (NO WELDED POLE SECTIONS).

STANDARD STRAIGHT ARM DESIGN (3 % ± RISE).

SECTION 657, POLES OF THE STANDARD SPECIFICATIONS SHALL APPLY TO THIS DRAWING.

PROVIDE WIREWAY THRU POLE WALL AND ARM CONNECTION PLATES. PROVIDE ROUND, SMOOTH INSIDE SURFACE.

MANUFACTURER'S SUBMITTED POLE DESIGNS AND DRAWINGS SHALL BE SIGNED AND STAMPED BY A REGISTERED PROFESSIONAL ENGINEER AND CERTIFIED AS BEING IN COMPLIANCE WITH THE LATEST AASHTO AND ALL PERTINENT WISDOT SPECIFICATIONS AND DRAWINGS FOR TRAFFIC AND LIGHTING STRUCTURES AND AS FOLLOWS:

- CATEGORY III FATIGUE LOADS OF GALLOPING, TRUCK GUSTS (AT 45 MPH VEHICLE VELOCITY) AND NATURAL WIND GUSTS FOR DESIGN OF TYPE 9 AND TYPE 10 STRUCTURES.
- CATEGORY II FATIGUE LOADS OF GALLOPING, TRUCK GUSTS (AT 45 MPH VEHICLE VELOCITY) AND NATURAL WIND GUSTS FOR DESIGN OF TYPE 12 AND TYPE 13 STRUCTURES.
- 90 MPH (3-SECOND GUST) WIND SPEED AND A 50 YEAR DESIGN LIFE.

SECURE THE OPENING BELOW THE BASE PLATE WITH STAINLESS STEEL OR GALVANIZED STEEL MESH AND SECURE THE MESH WITH ¾" S.S. BANDING AROUND THE LEVELING NUTS.

INDENT PRINT (NOMINAL ½" HIGH) THE POLE LENGTH AND FIRST TWO LETTERS OF THE MANUFACTURERS NAME ON TWO SIDES OF THE BASE PLATE 180 DEGREES APART, BEFORE GALVANIZING. THE ARM SHALL BE IDENTIFIED WITH THE SAME INFORMATION BY INDENT PRINT.

SIGNAL FACE SHALL BE MOUNTED 6 INCHES (NOMINAL) FROM THE END OF THE MONOTUBE ARM OR AS SHOWN ON THE PLAN CONSTRUCTION DETAIL OR AS DIRECTED BY THE PROJECT ENGINEER/ELECTRICAL OPERATIONS PERSONNEL. MOUNT ALL LIKE HEADS AT SAME ELEVATION.

SIGN MOUNTING BRACKETS SHALL BE FURNISHED IN ACCORDANCE WITH SECTION 637 OF THE STANDARD SPECIFICATIONS FOR HIGHWAY AND STRUCTURE CONSTRUCTION.

(1) DESIGN FOR MAXIMUM ALLOWABLE HANDHOLE WITH COVER ASSEMBLY WITH TWO ¼" X ¾" - 20 TPI STAINLESS STEEL HEX HEAD BOLTS.

(2) SIGNAL MOUNTING BRACKETS FOR POLE MOUNTING, MOUNT WITH CAP SCREW AND BANDING, (SEE SPECIFICATIONS SEC. 658).

(3) SECURELY MOUNT BACKPLATES, PROJECTING 5" BEYOND ALL SIDES OF THE SIGNAL FACE HOUSING, PER MANUFACTURERS RECOMMENDATIONS.

(4) THE TOP OF THE POLE SHAFT AND THE END OF THE MONOTUBE ARM SHALL BE EQUIPPED WITH A REMOVABLE, VENTILATED CAP HELD SECURELY IN PLACE WITH SET SCREWS.

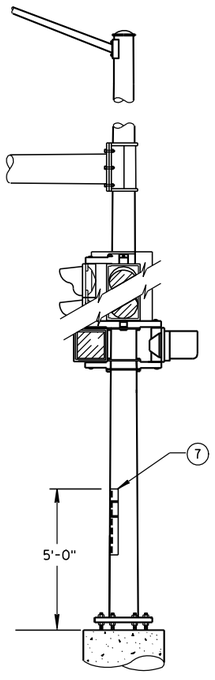
(5) FACTORY-WELDED BRACKET FOR GROUNDING LUG, OPPOSITE HANDHOLE, (LUG AND HARDWARE PAID UNDER SEPARATE ITEM). PROVIDE HOLE IN BRACKET FOR ¼" X ¾" - 20 TPI STAINLESS STEEL HEX HEAD BOLT.

(6) FACTORY-WELDED "J" HOOK FOR STRAIN RELIEF FOR POLE LUMINAIRE WIRE.

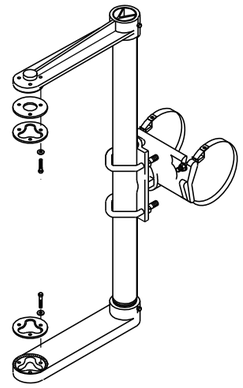
(7) INSTALL DEPARTMENT PROVIDED STRUCTURAL IDENTIFICATION PLAQUES.

STRUCTURAL IDENTIFICATION PLAQUES SHALL BE PLACED ON THE POLES IN THE SAME DIRECTION AS THE ARM.

MOUNTING HEIGHT SHALL BE 5'-0" ABOVE THE CURB OR SHOULDER . ADJUST IF IT IS KNOWN THAT REQUIRED TRAFFIC SIGNS WILL BE OBSTRUCTED.

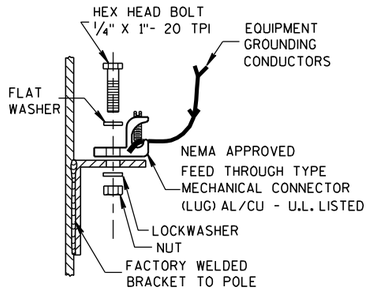


STRUCTURAL IDENTIFICATION PLAQUE PLACEMENT



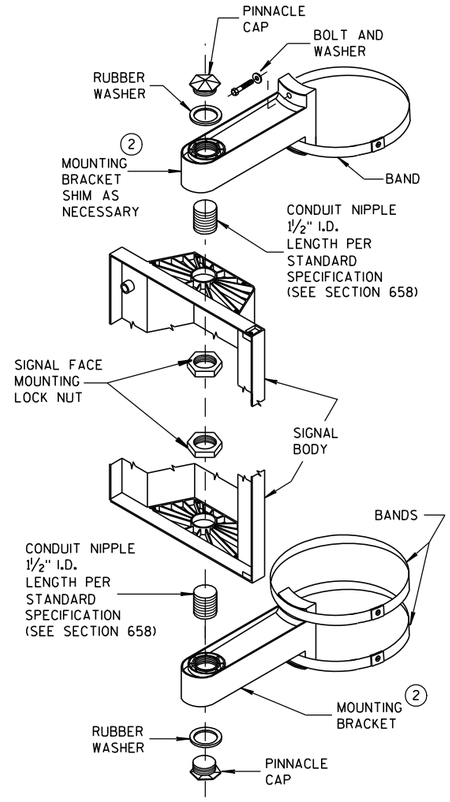
SIGNAL FACE MOUNTING BRACKET DETAIL FOR MONOTUBE ARM

(MOUNT PER MANUFACTURER'S RECOMMENDATION)

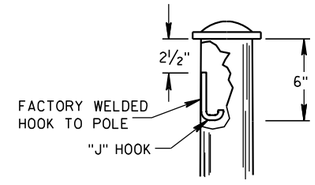


TYPICAL GROUNDING CONNECTIONS (5)

NUT, BOLT AND WASHERS SHALL BE STAINLESS STEEL



SIGNAL FACE VERTICAL MOUNTING DETAIL



"J" HOOK WIRE SUPPORT (6)

GENERAL NOTES AND HARDWARE DETAILS FOR TYPE 9, 10, 12 & 13 POLES WITH MONOTUBE ARMS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

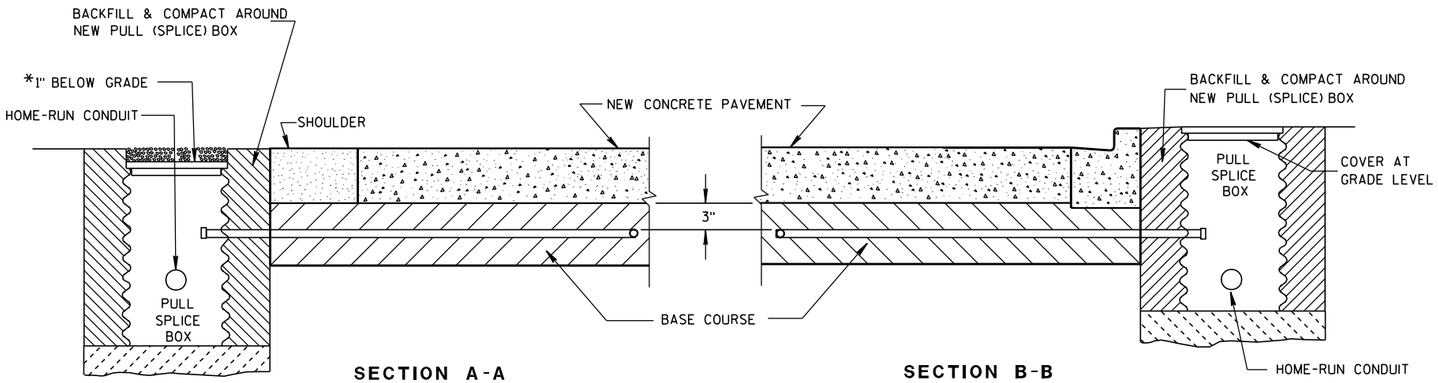
3/2/2011 DATE

/S/ Thomas J. Corrigan
STATE ELECTRICAL ENGI 536 HWYS

FHWA

6

S.D.D. 9 E 8-4e



SECTION A-A
NO CURB & GUTTER

SECTION B-B
CURB & GUTTER

*RECESS PULL (SPLICE) BOX SO THAT THE COVER IS 3" BELOW GRADE IN SHOULDER AREAS OF CRUSHED AGGREGATE. BACKFILL OVER COVER WITH THE CRUSHED AGGREGATE TO BRING THE AREA TO GRADE LEVEL.

LOOP DETECTOR INSTALLATION DETAIL

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

LOOP SIZE, CONFIGURATION LOCATION, NUMBER OF TURNS OF WIRE AND ASSOCIATED SIGNAL PHASE SHALL BE AS SHOWN ON THE PLANS.

PITCH LEAD OUT CONDUIT TO DRAIN TO ROADSIDE PULL (SPLICE) BOX.

SPLICES SHALL BE INSTALLED BY USING CAST IN PLACE SPLICE KITS SUCH AS 3M TYPE 82A1 OR APPROVED EQUAL. NON-INSULATED BUTT SPLICES TO FIT #12 AWG STRANDED WIRE SHALL BE USED. SPLICES SHALL BE SOLDERED AND INSULATED FROM EACH OTHER AS PER INSTRUCTIONS INCLUDED IN THE SPLICE KIT.

MEASURE GROUND RESISTANCE USING A MEGGER. REPLACE LOOP WIRE NOT ATTAINING A READING OF INFINITY TO GROUND.

AFTER SPLICING THE LOOP WIRE TO THE LOOP LEAD-IN CABLE, THE CONTRACTOR SHALL MEASURE INDUCTANCE, GROUND RESISTANCE AND WIRE RESISTANCE AT THE CABINET END OF THE LEAD-IN CABLE AND FURNISH A COPY OF THE READINGS TO THE PROJECT ENGINEER FOR EVALUATION.

LOOP DETECTOR LEADS SHALL BE IDENTIFIED WITH THEIR ASSOCIATED LOOP BY USE OF WATERPROOF TAGS AT BOTH ENDS OF THE CABLE. A LISTING OF THE CABLE IDENTIFICATION PER INDIVIDUAL LOOP LEAD-IN SHALL BE PLACED IN THE CABINET.

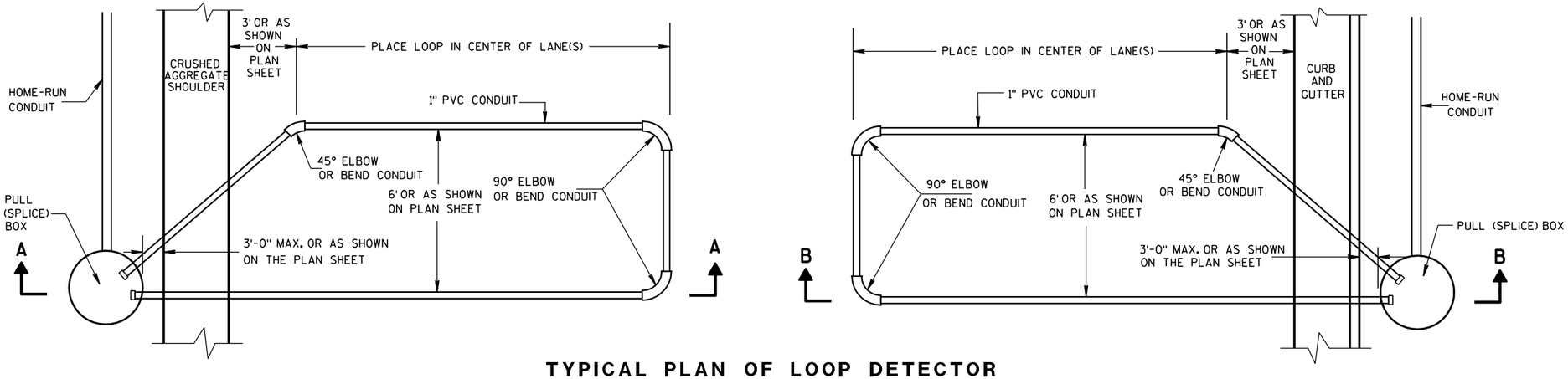
THE #12 AWG. LOOP WIRE IN THE PULL (SPLICE) BOX SHALL BE HAND TWISTED AT LEAST 3 TWISTS PER FOOT BEFORE BEING SPLICED TO THE LOOP LEAD-IN CABLE.

SPLICES OF LOOP WIRE TO LEAD-IN CABLE SHALL BE MADE ONLY IN PULL (SPLICE) BOXES AT THE SIDE OF THE ROAD.

THE #12 AWG LOOP WIRE SHALL BE INSTALLED FROM THE ROADSIDE PULL (SPLICE) BOX THROUGH THE LOOP CONDUIT, BACK TO THE ROADSIDE PULL (SPLICE) BOX, AND BE INSTALLED IN ONE, NON-SPLICE CONTINUOUS LENGTH.

PROTECTION OF THE CONDUIT IN THE BASE COURSE, SHALL BE REQUIRED AFTER INSTALLATION AND BEFORE NEW PAVEMENT IS INSTALLED.

SHOULD INSTALLATION REPAIR BE REQUIRED, IT SHALL BE DONE UNDER THE DIRECTION OF THE PROJECT ENGINEER.



TYPICAL PLAN OF LOOP DETECTOR WITH 18" OR 24" PULL (SPLICE) BOX

LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 1)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

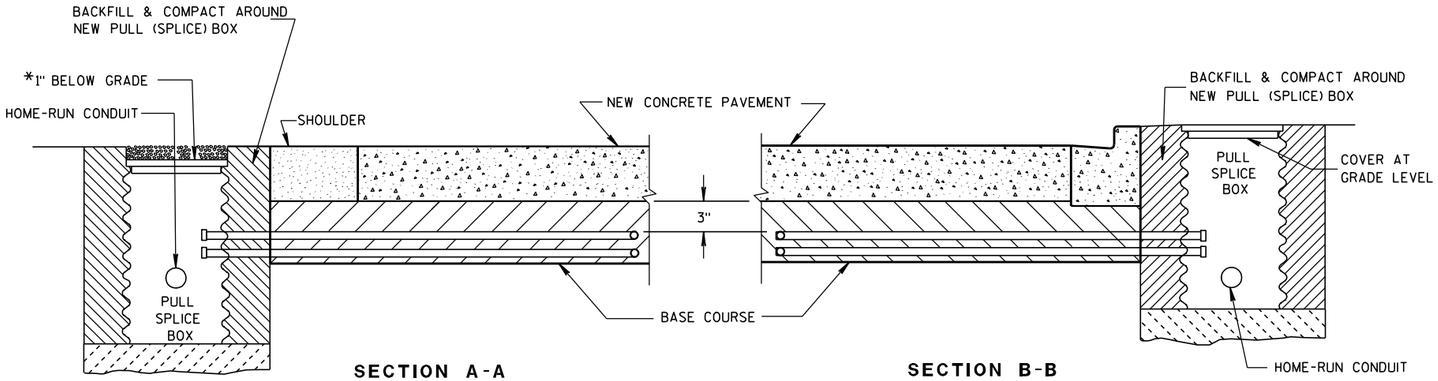
APPROVED
6/7/06 — DATE
/S/ Balu Aganthangarayanan — STATE ELECTRICAL ENGI 537 — HWYS
FHWA

6

S.D.D. 9 F 15-3a

6

S.D.D. 9 F 15-3a



SECTION A-A
NO CURB & GUTTER

SECTION B-B
CURB & GUTTER

*RECESS PULL (SPLICE) BOX SO THAT THE COVER IS 3" BELOW GRADE IN SHOULDER AREAS OF CRUSHED AGGREGATE. BACKFILL OVER COVER WITH THE CRUSHED AGGREGATE TO BRING THE AREA TO GRADE LEVEL.

LOOP DETECTOR INSTALLATION DETAIL

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

LOOP SIZE, CONFIGURATION LOCATION, NUMBER OF TURNS OF WIRE AND ASSOCIATED SIGNAL PHASE SHALL BE AS SHOWN ON THE PLANS.

PITCH LEAD OUT CONDUIT TO DRAIN TO ROADSIDE PULL (SPLICE) BOX.

SPLICES SHALL BE INSTALLED BY USING CAST IN PLACE SPLICE KITS SUCH AS 3M TYPE 82A1 OR APPROVED EQUAL. NON-INSULATED BUTT SPLICES TO FIT #12 AWG STRANDED WIRE SHALL BE USED. SPLICES SHALL BE SOLDERED AND INSULATED FROM EACH OTHER AS PER INSTRUCTIONS INCLUDED IN THE SPLICE KIT.

MEASURE GROUND RESISTANCE USING A MEGGER. REPLACE LOOP WIRE NOT ATTAINING A READING OF INFINITY TO GROUND.

AFTER SPLICING THE LOOP WIRE TO THE LOOP LEAD-IN CABLE, THE CONTRACTOR SHALL MEASURE INDUCTANCE, GROUND RESISTANCE AND WIRE RESISTANCE AT THE CABINET END OF THE LEAD-IN CABLE AND FURNISH A COPY OF THE READINGS TO THE PROJECT ENGINEER FOR EVALUATION.

LOOP DETECTOR LEADS SHALL BE IDENTIFIED WITH THEIR ASSOCIATED LOOP BY USE OF WATERPROOF TAGS AT BOTH ENDS OF THE CABLE. A LISTING OF THE CABLE IDENTIFICATION PER INDIVIDUAL LOOP LEAD-IN SHALL BE PLACED IN THE CABINET.

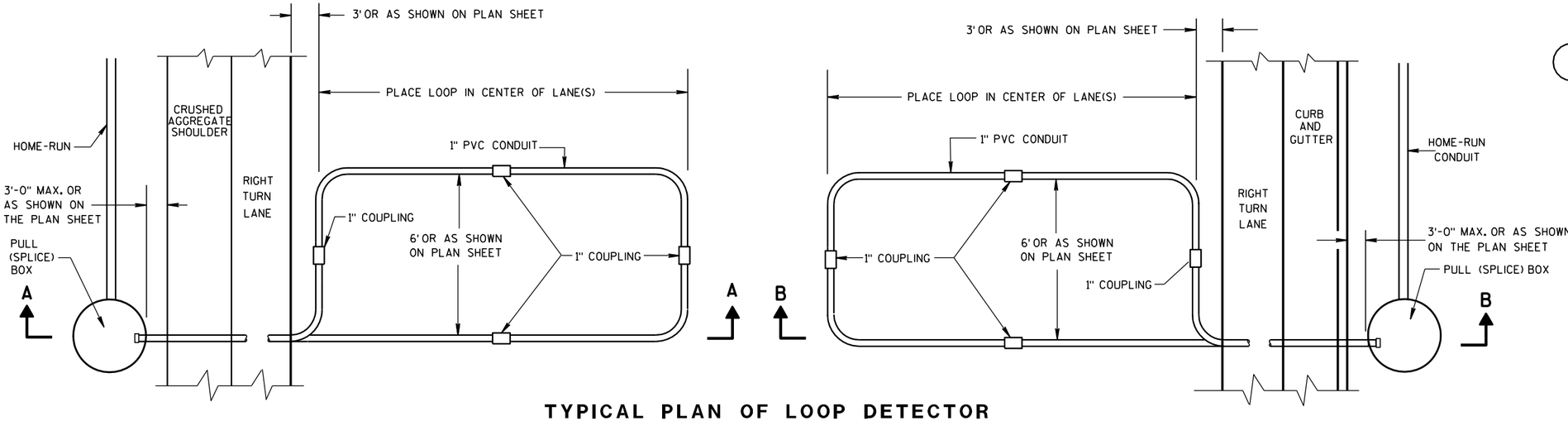
THE #12 AWG. LOOP WIRE IN THE PULL (SPLICE) BOX SHALL BE HAND TWISTED AT LEAST 3 TWISTS PER FOOT BEFORE BEING SPLICED TO THE LOOP LEAD-IN CABLE.

SPLICES OF LOOP WIRE TO LEAD-IN CABLE SHALL BE MADE ONLY IN PULL (SPLICE) BOXES AT THE SIDE OF THE ROAD.

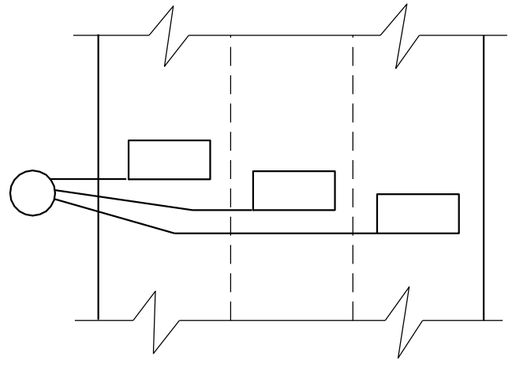
THE #12 AWG LOOP WIRE SHALL BE INSTALLED FROM THE ROADSIDE PULL (SPLICE) BOX, THROUGH THE LOOP CONDUIT, BACK TO THE ROADSIDE PULL (SPLICE) BOX, AND BE INSTALLED IN ONE, NON-SPLICED CONTINUOUS LENGTH.

PROTECTION OF THE CONDUITS IN THE BASE COURSE SHALL BE REQUIRED AFTER INSTALLATION AND BEFORE NEW PAVEMENT IS INSTALLED.

SHOULD INSTALLATION REPAIR BE REQUIRED, IT SHALL BE DONE UNDER THE DIRECTION OF THE PROJECT ENGINEER.



TYPICAL PLAN OF LOOP DETECTOR WITH 24" PULL (SPLICE) BOX



MULTI-LANE INSTALLATION

LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
6/7/06 — DATE
/S/ Balu Anantharaman — STATE ELECTRICAL ENGI 538 HWYS
FHWA

6
S.D.D. 9 F 15-3b

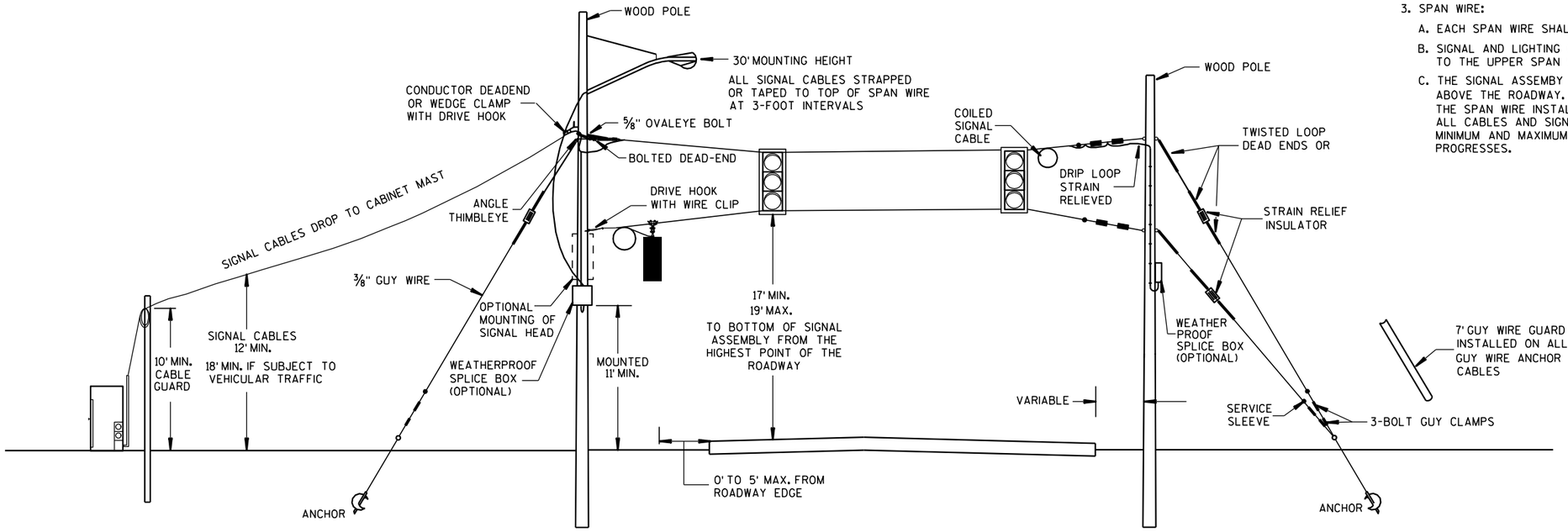
GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

1. WOOD POLES SHALL BE CLASS 4. LENGTH DETERMINED BY SIGNAL PLAN.

2. SIGNAL FACES:
   A. ALL SECTIONS SHALL BE 12" AND POLYCARBONATE.
   B. EACH SHALL CONTAIN A 5" WIDE DULL BLACK POLYCARBONATE BACKPLATE.
   C. EACH SHALL BE WIRED FROM THE TOP SIGNAL MOUNTING BRACKET.
   D. NEAR RIGHT SIGNAL FACE SUSPENDED ON THE TETHER (NO BACKPLATE) SHALL NOT BE OVER THE TRAVELED WAY. IF THE POLE IS WITHIN 5 FEET OF THE TRAVELED WAY MOUNT THE SIGNAL FACE ON THE WOOD POLE WITH BACKPLATE.

3. SPAN WIRE:
   A. EACH SPAN WIRE SHALL BE INDIVIDUALLY DOWN GUYED.
   B. SIGNAL AND LIGHTING CABLES SHALL ONLY BE ATTACHED TO THE UPPER SPAN WIRE.
   C. THE SIGNAL ASSEMBY SHALL HAVE A 17' MIN. HEIGHT ABOVE THE ROADWAY. THIS SHALL BE MEASURED AFTER THE SPAN WIRE INSTALLATION IS COMPLETED WITH ALL CABLES AND SIGNAL FACES IN PLACE. MAINTAIN MINIMUM AND MAXIMUM HEIGHTS AS ROADWAY WORK PROGRESSES.



SPAN WIRE
TEMPORARY SIGNALS

MINIMUM POLE LENGTHS	POLE BURIEL DEPTHS
25'	5'
30'	6'
35'	7'
40'	8'
45'	9'

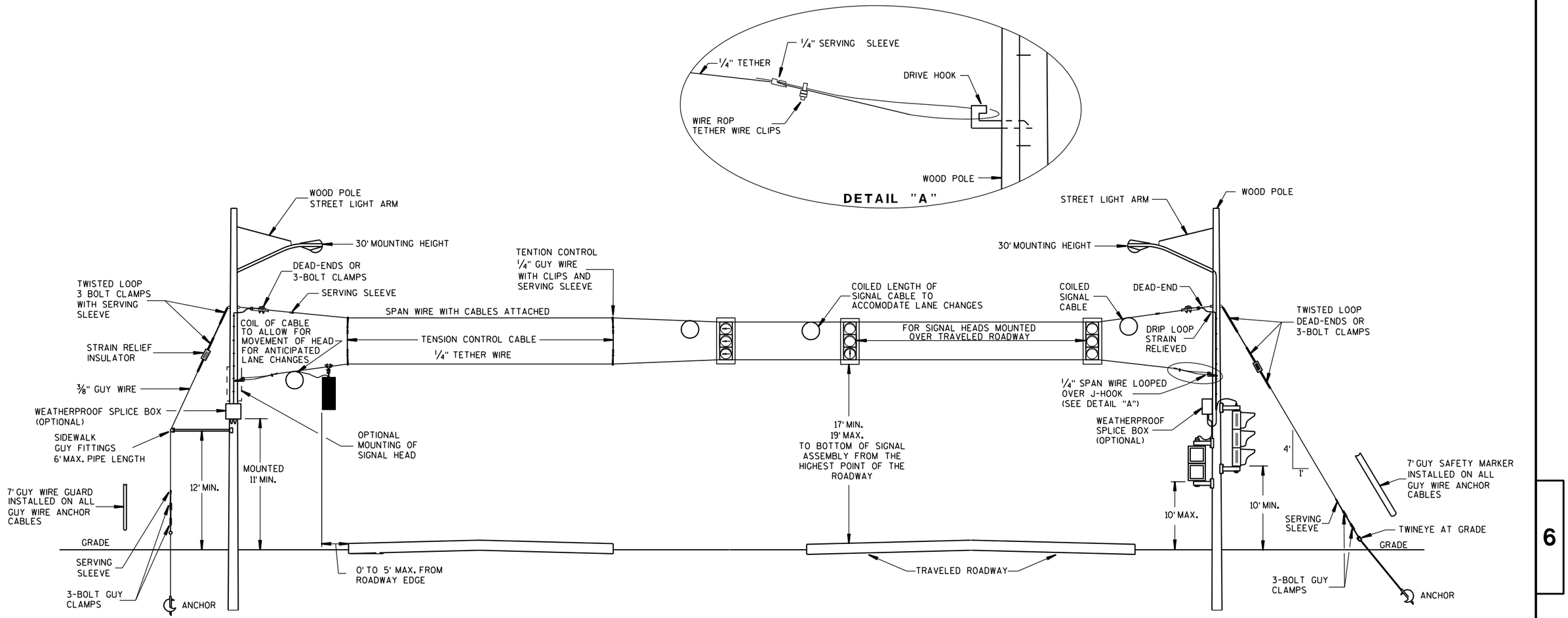
SPAN WIRE TEMPORARY TRAFFIC SIGNAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
7-14-08 DATE
/S/ Balu Ananthar [illegible]n
STATE ELECTRICAL ENGI 539 HWYS
FHWA

6

S.D.D. 9 G 1-3a



GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

1. WOOD POLES SHALL BE CLASS 4. LENGTH DETERMINED BY SIGNAL PLAN.
2. SIGNAL FACES:
   A. ALL SECTIONS SHALL BE 12" AND POLYCARBONATE.
   B. EACH SHALL CONTAIN A 5" WIDE DULL BLACK POLYCARBONATE BACKPLATE.
   C. EACH SHALL BE WIRED FROM THE TOP SIGNAL MOUNTING BRACKET.
   D. NEAR RIGHT SIGNAL FACE SUSPENDED ON THE TETHER (NO BACKPLATE) SHALL NOT BE OVER THE TRAVELED WAY. IF THE POLE IS WITHIN 5 FEET OF THE TRAVELED WAY MOUNT THE SIGNAL FACE ON THE WOOD POLE WITH BACKPLATE.
   E. FAR INDICATION SHALL BE MAINTAINED OVER CENTER OF TRAFFIC LANE.
3. SPAN WIRE:
   A. EACH SPAN WIRE SHALL BE INDIVIDUALLY DOWN GUYED.
   B. SIGNAL AND LIGHTING CABLES SHALL ONLY BE ATTACHED TO THE UPPER SPAN WIRE.
   C. THE SIGNAL ASSEMBY SHALL HAVE A 17' MIN. HEIGHT ABOVE THE ROADWAY. THIS SHALL BE MEASURED AFTER THE SPAN WIRE INSTALLATION IS COMPLETED WITH ALL CABLES AND SIGNAL FACES IN PLACE. MAINTAIN MINIMUM AND MAXIMUM HEIGHTS AS ROADWAY WORK PROGRESSES.

SPAN WIRE
TEMPORARY SIGNALS
4 LANE ROADWAYS

MINIMUM POLE LENGTHS	CLASS	MIN. BURIAL DEPTHS
25'	V	5'
30'	V	6'
35'	IV	7'
40'	IV	8'
45'	IV	9'

SPAN WIRE
TEMPORARY TRAFFIC SIGNAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

7-14-08 DATE

/S/ Balu Ananthanarayanan
STATE ELECTRICAL ENGI 540 HWYS

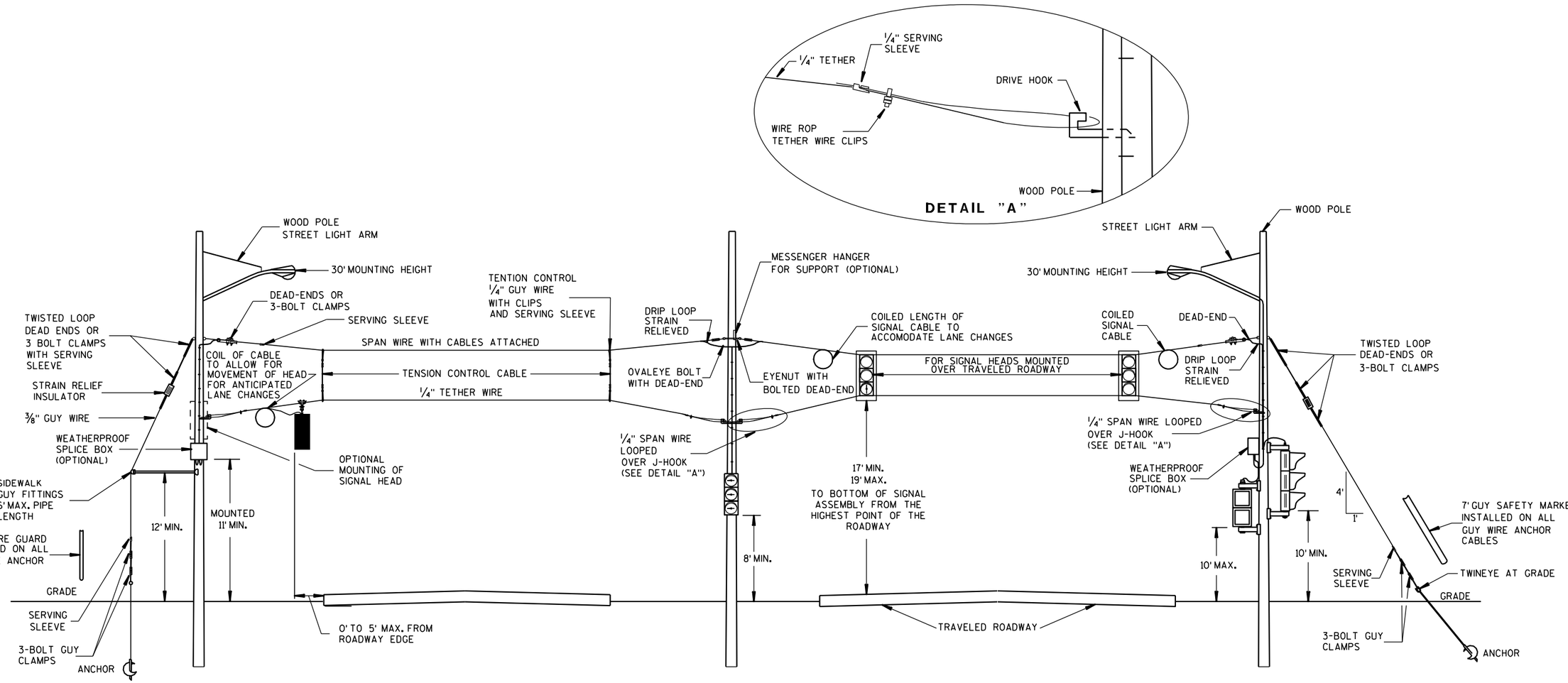
FHWA

6

S.D.D. 9 G 1-3b

6

S.D.D. 9 G 1-3b



SPAN WIRE
TEMPORARY SIGNALS
4 LANE ROADWAYS

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

1. WOOD POLES SHALL BE CLASS 4. LENGTH DETERMINED BY SIGNAL PLAN.

2. SIGNAL FACES:
   A. ALL SECTIONS SHALL BE 12" AND POLYCARBONATE.
   B. EACH SHALL CONTAIN A 5" WIDE DULL BLACK POLYCARBONATE BACKPLATE.
   C. EACH SHALL BE WIRED FROM THE TOP SIGNAL MOUNTING BRACKET.
   D. NEAR RIGHT SIGNAL FACE SUSPENDED ON THE TETHER (NO BACKPLATE) SHALL NOT BE OVER THE TRAVELED WAY. IF THE POLE IS WITHIN 5 FEET OF THE TRAVELED WAY MOUNT THE SIGNAL FACE ON THE WOOD POLE WITH BACKPLATE.
   E. FAR INDICATION SHALL BE MAINTAINED OVER CENTER OF TRAFFIC LANE.

3. SPAN WIRE:
   A. EACH SPAN WIRE SHALL BE INDIVIDUALLY DOWN GUYED.
   B. SIGNAL AND LIGHTING CABLES SHALL ONLY BE ATTACHED TO THE UPPER SPAN WIRE.
   C. THE SIGNAL ASSEMBY SHALL HAVE A 17' MIN. HEIGHT ABOVE THE ROADWAY. THIS SHALL BE MEASURED AFTER THE SPAN WIRE INSTALLATION IS COMPLETED WITH ALL CABLES AND SIGNAL FACES IN PLACE. MAINTAIN MINIMUM AND MAXIMUM HEIGHTS AS ROADWAY WORK PROGRESSES.

MINIMUM POLE LENGTHS	CLASS	MIN. BURIAL DEPTHS
25'	V	5'
30'	V	6'
35'	IV	7'
40'	IV	8'
45'	IV	9'

SPAN WIRE TEMPORARY TRAFFIC SIGNAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

7-14-08 DATE

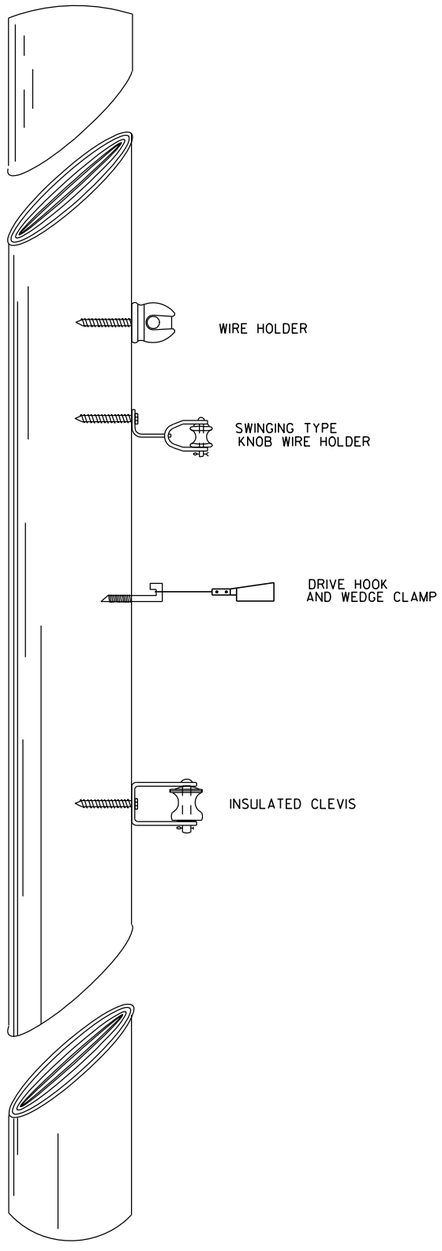
/S/ Balu Ananthanarayanan
STATE ELECTRICAL ENGI

541 HWYS

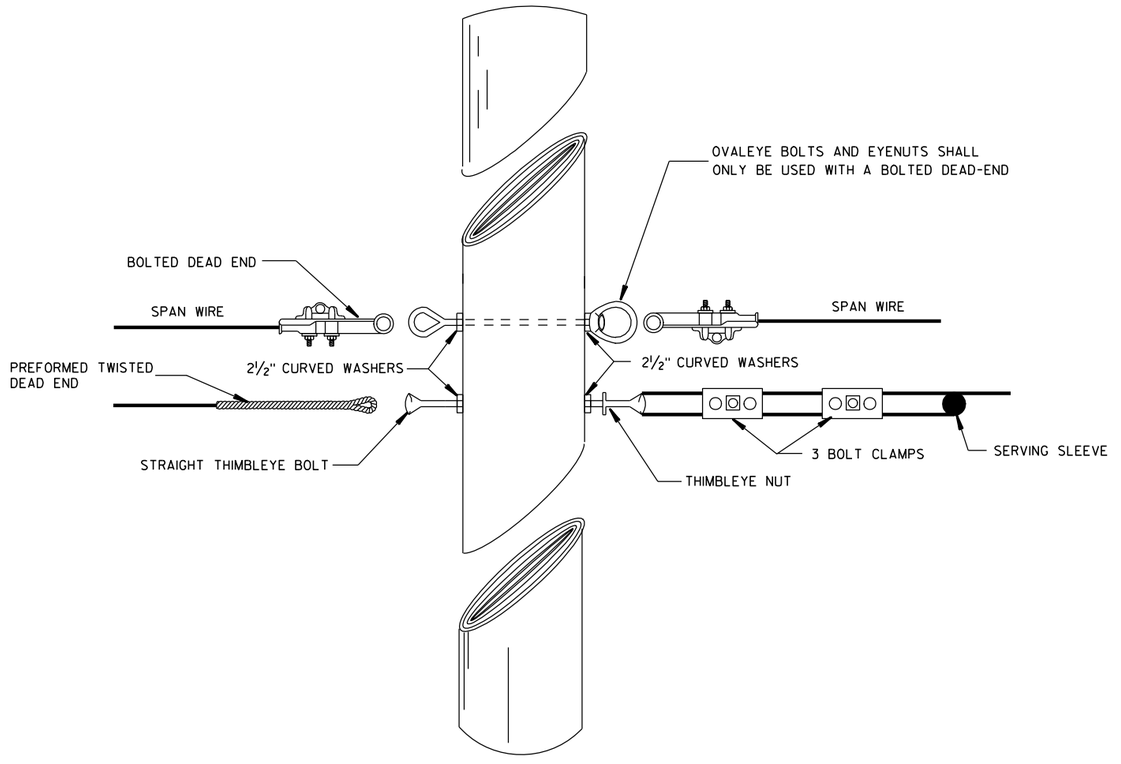
FHWA

6

S.D.D. 9 G 1-3c



TYPICAL CABLE HANGERS



TYPICAL DEAD-ENDING

6

6

S.D.D. 9 G 1-3d

S.D.D. 9 G 1-3d

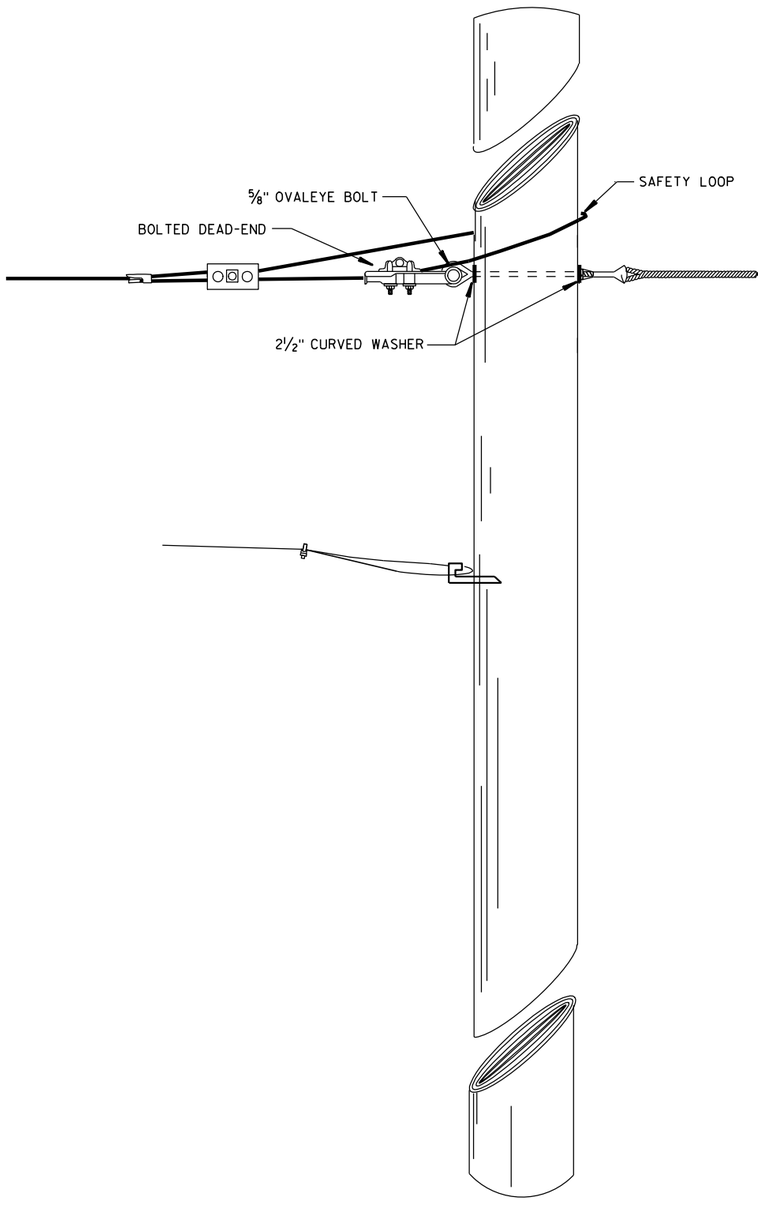
SPAN WIRE
TEMPORARY TRAFFIC SIGNAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

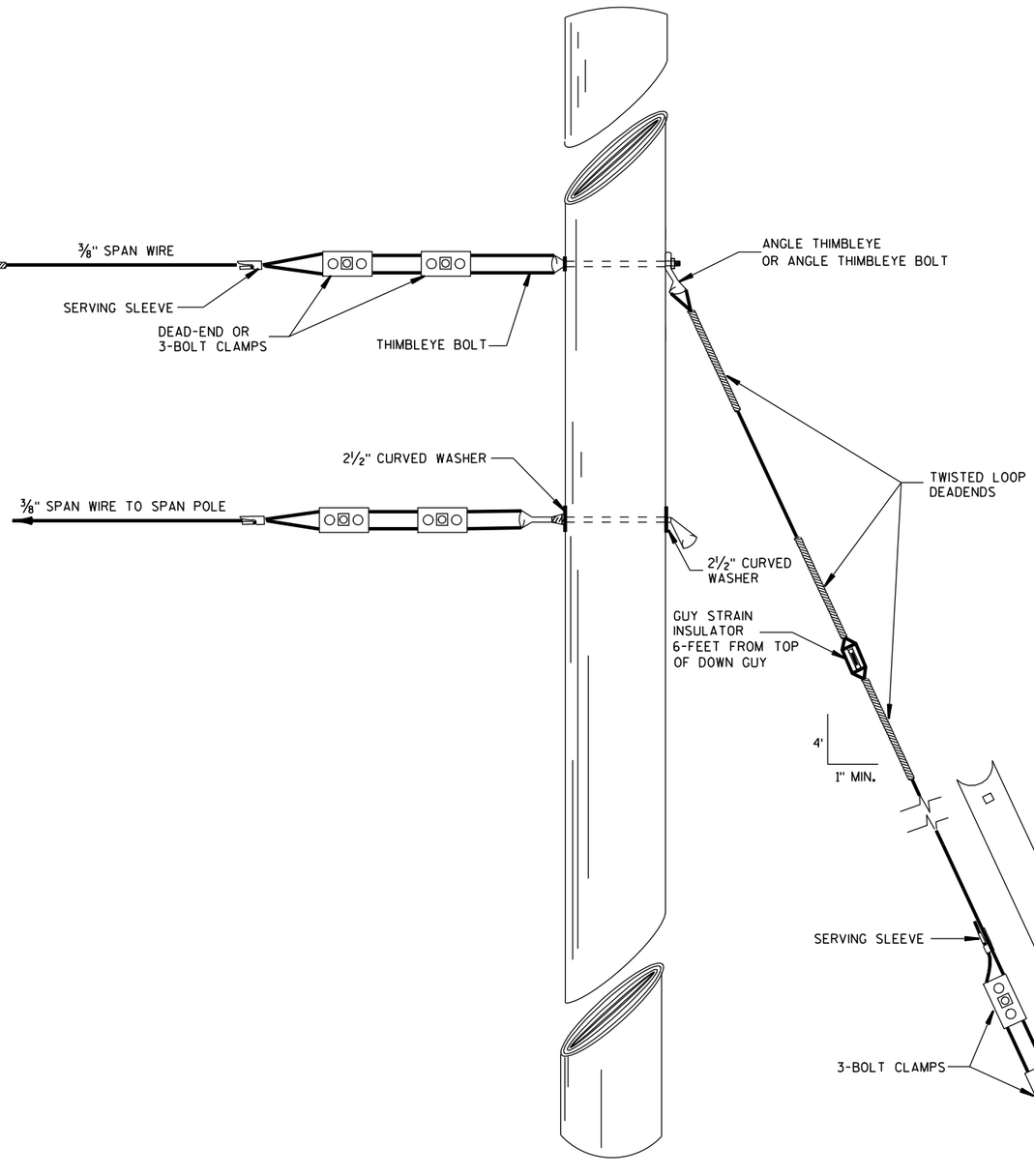
APPROVED
7-14-08
DATE
/S/ Balu Ananthanarayanan
STATE ELECTRICAL ENGI 542 HWYS
FHWA

GENERAL NOTES

1. USE ¾" DRILL IN WOOD POLE TO PROVIDE HOLE FOR ⅝" BOLTS.
2. SAFTY LOOP REQUIRED ON EACH END OF ALL SPAN WIRES.



SPAN WIRE POLE



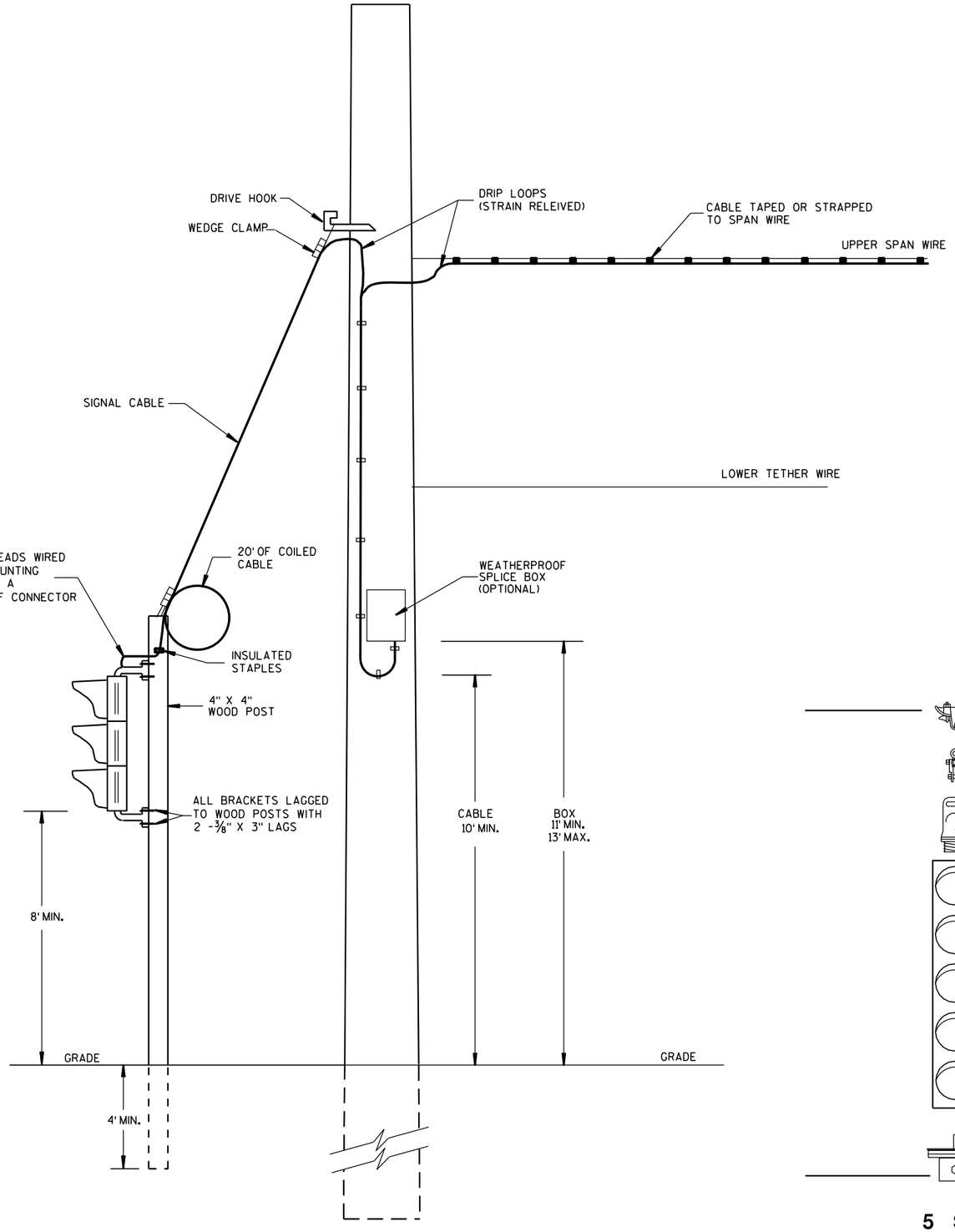
GUY POLE

TYPICAL DEAD-ENDINGS OR GUYING

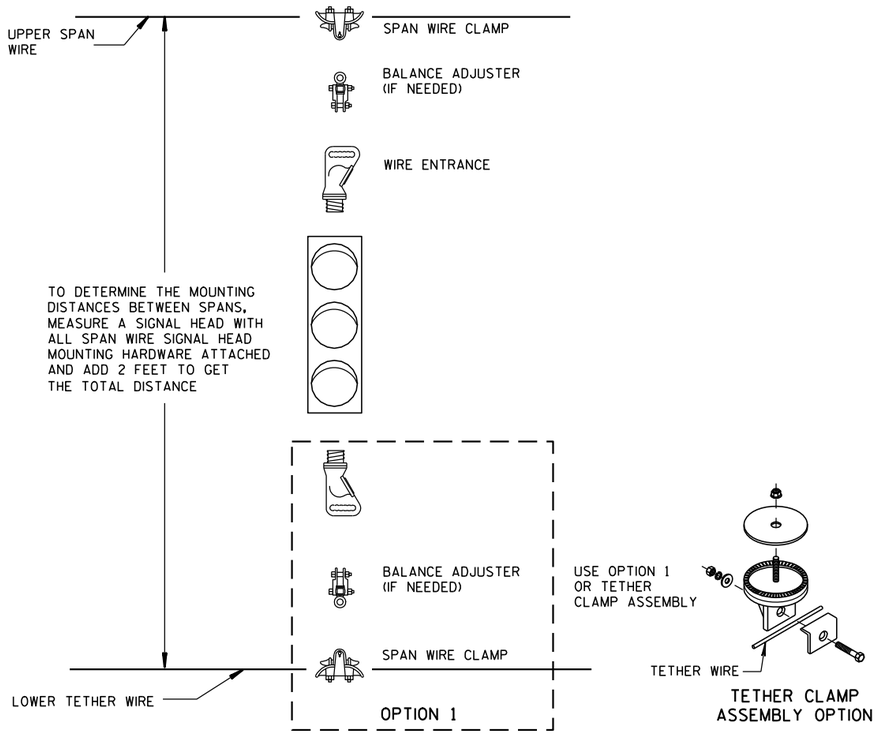
SPAN WIRE
TEMPORARY TRAFFIC SIGNAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

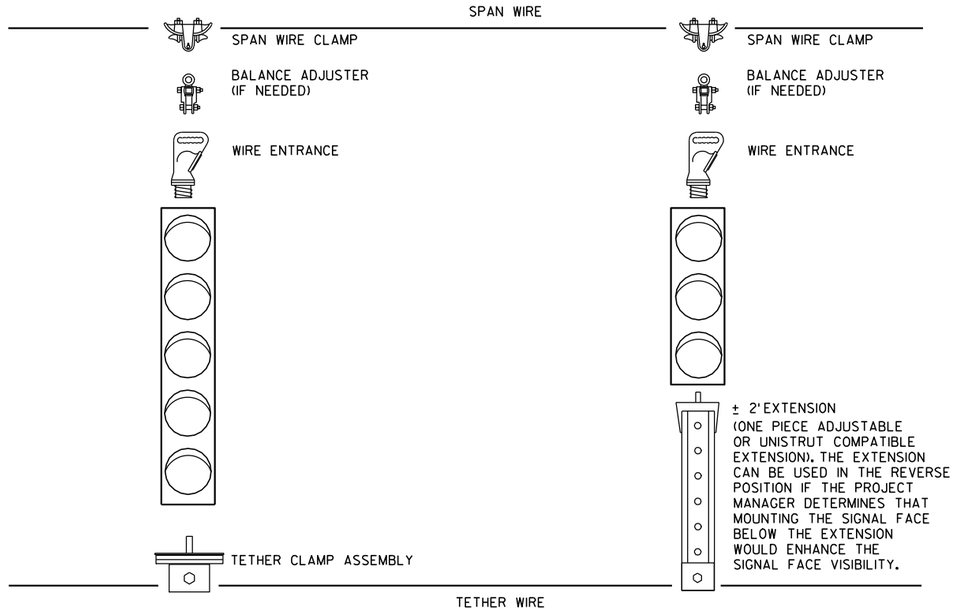
APPROVED
7-14-08 DATE
/S/ Balu Ananthanarayanan
STATE ELECTRICAL ENGI 543 HWYS
FHWA



TYPICAL DROP TO TEMPORARY MOVEABLE SIGNAL



TYPICAL SPAN WIRE MOUNTING HARDWARE



5 SECTION VERTICAL WITH 3 SECTION VERTICAL ON ONE SPAN WIRE

SPAN WIRE TEMPORARY TRAFFIC SIGNAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

7-14-08
DATE

/S/ Balu Aganthangarayanan
STATE ELECTRICAL ENGI

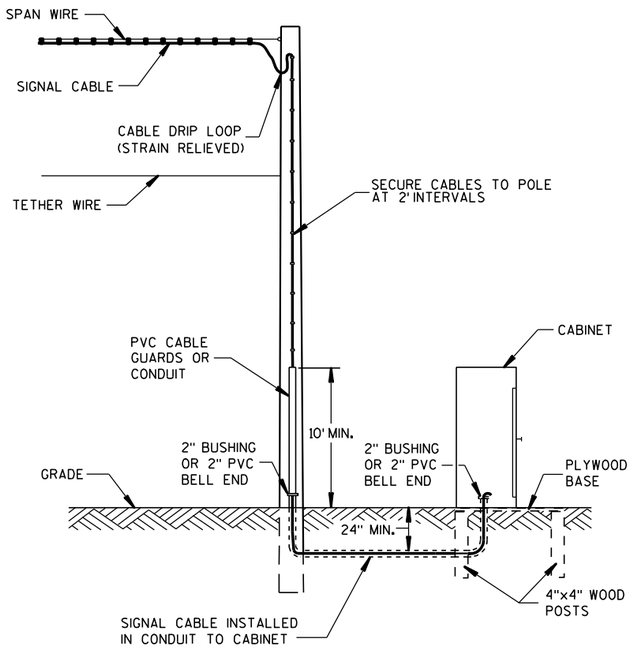
544

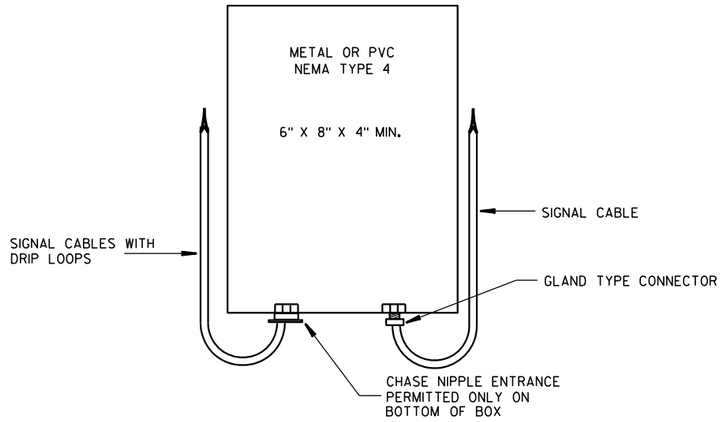
HWYS

FHWA

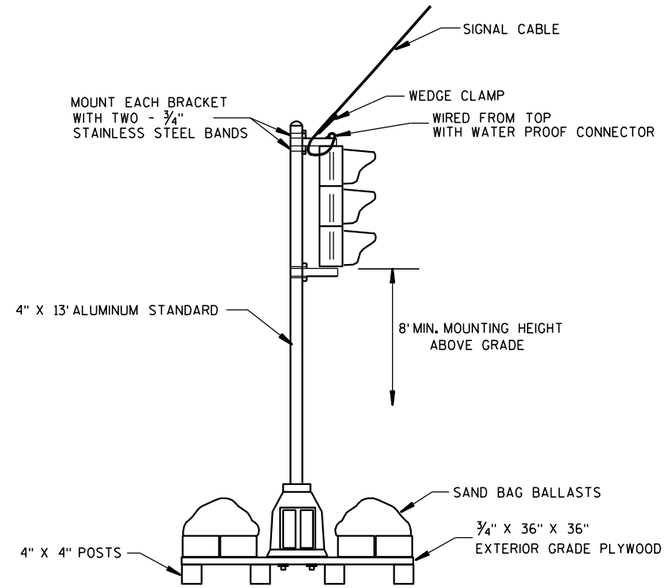
6

S.D.D. 9 G 1-3f

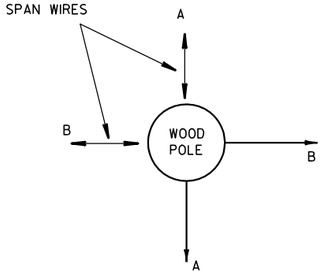




SPLICE BOX

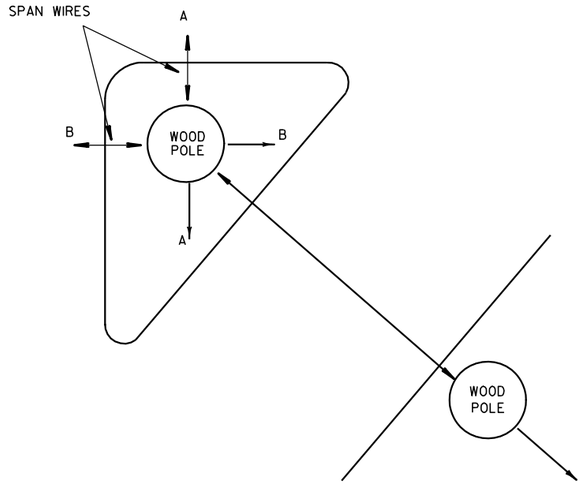


TYPICAL SKID TYPE TEMPORARY

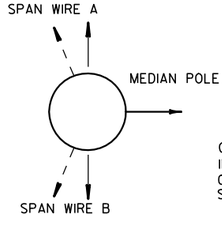


ALL DOWN OR SIDEWALK GUYS SHALL BE INSTALLED IN THE OPPOSITE DIRECTION OF THE STRAIN OF THE SPAN WIRE

CORNER POLES



ISLAND POLES



GUY AWAY FROM INTERSECTION OR IN OPPOSITE DIRECTION OF THE SPAN LOADING

MEDIAN POLES

SPAN WIRE
TEMPORARY TRAFFIC SIGNAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

7-14-08 DATE

/S/ Balu Aganthangayagan
STATE ELECTRICAL ENGI 545 HWYS

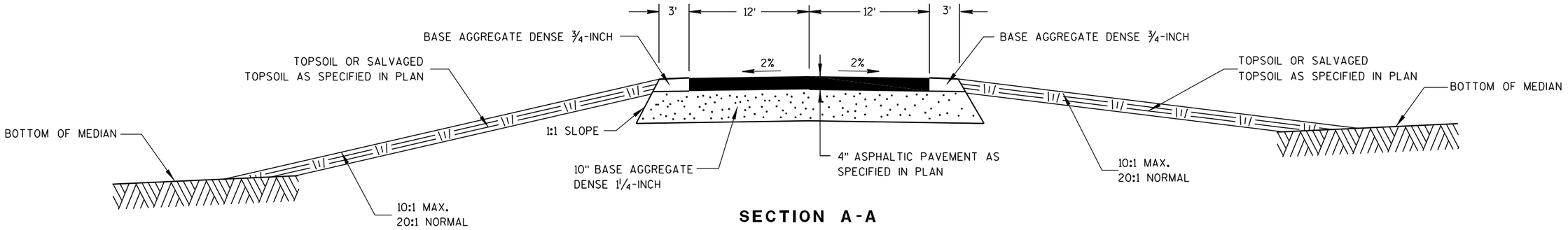
FHWA

6

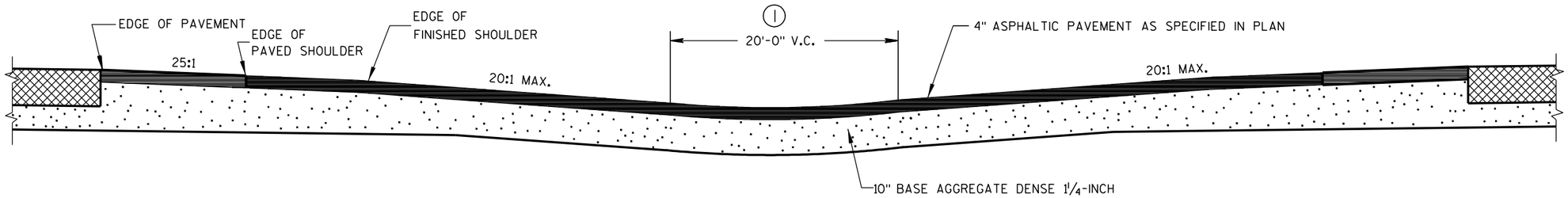
S.D.D. 9 G 1-3g

6

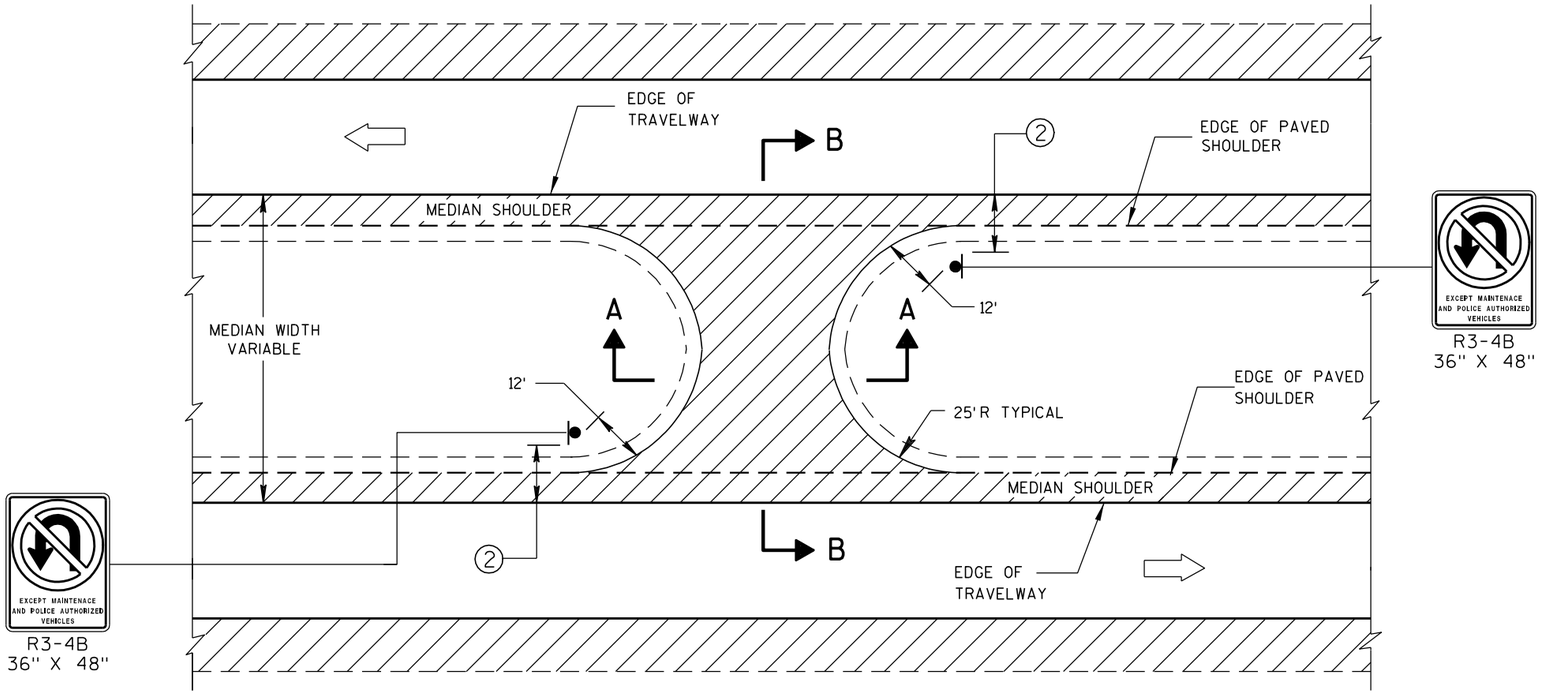
S.D.D. 9 G 1-3g



SECTION A-A



SECTION B-B



PLAN 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.

(1) ADJUST VERTICAL CURVE LOCATION LATERALLY TO MAINTAIN 20:1 MAX.

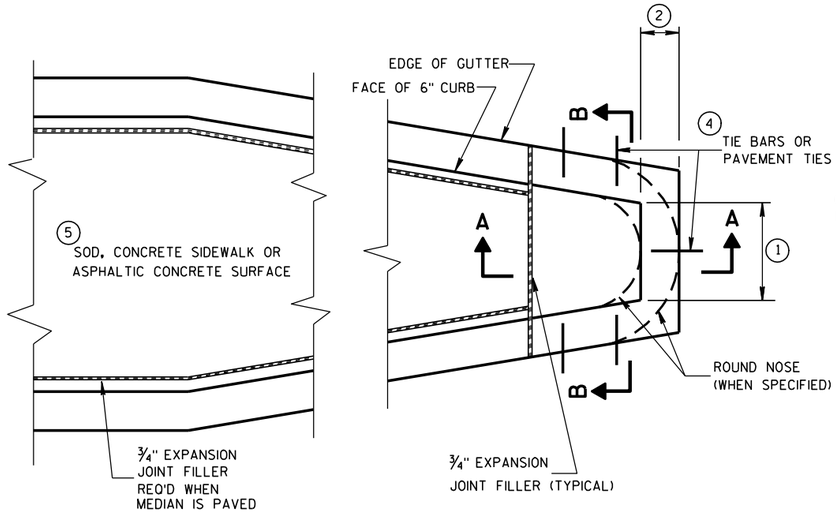
(2) SIGNING DETAILS AND SPECIFICATIONS ARE PROVIDED ELSEWHERE IN THE CONTRACT.

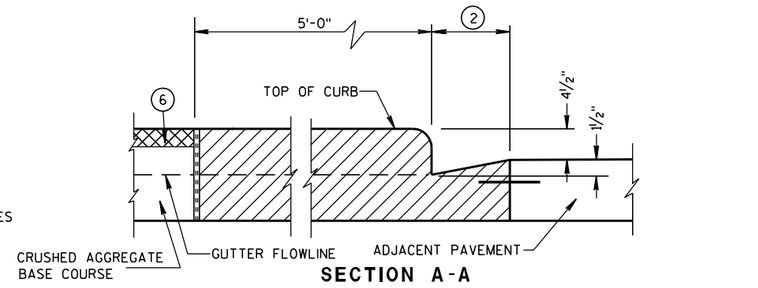
MAINTENANCE CROSSOVER FOR FREEWAYS

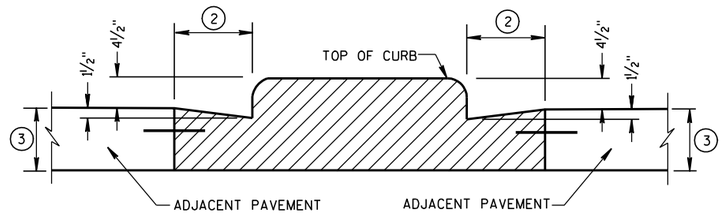
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
11/01/2011
DATE
/S/ Jerry H. [illegible]
ROADWAY STANDARDS ENGINEER
FHWA

6
S.D.D. 11 A 1-4







CONCRETE MEDIAN BLUNT NOSE DETAIL

GENERAL NOTES

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

(1) SEE PLAN FOR MEDIAN NOSE WIDTH AND RADIUS (FOR ROUND NOSE ALTERNATE).

(2) WIDTH OF GUTTER TO MATCH EXISTING ADJACENT GUTTER OR AS SPECIFIED ELSEWHERE IN THE PLAN.

(3) DEPTH EQUAL TO ADJACENT PAVEMENT. ADJACENT PAVEMENT STRUCTURE DETAILS ARE SHOWN ON THE PLAN. TYPICAL OPTIONS ARE:

(1) NEW OR EXISTING CONCRETE PAVEMENT.

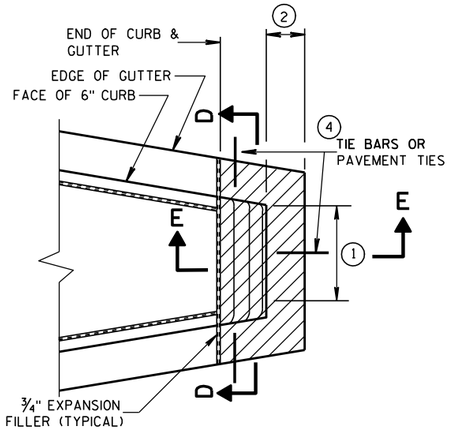
(2) ASPHALTIC CONCRETE PAVEMENT OVER NEW OR EXISTING CONCRETE BASE COURSE.

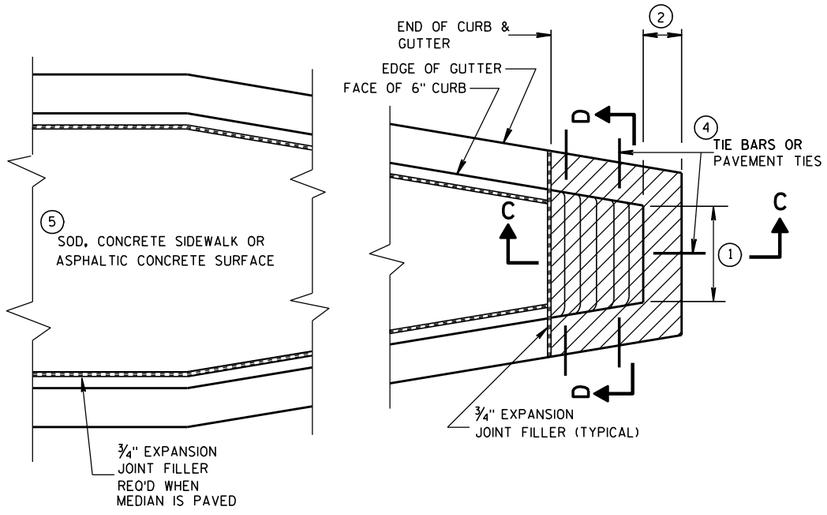
(3) ASPHALTIC CONCRETE PAVEMENT OVER CRUSHED AGGREGATE BASE COURSE.

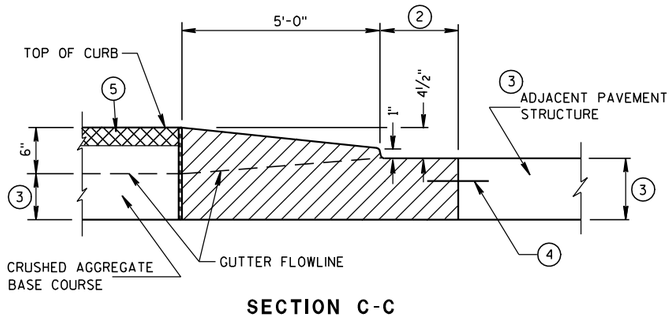
(4) TIE BARS OR PAVEMENT TIES REQUIRED IN NEW CONCRETE PAVEMENT OR CONCRETE BASE COURSE. TIE BARS SHALL BE NO. 4 X 2'-0" SPACED AT 2'-0" C-C.

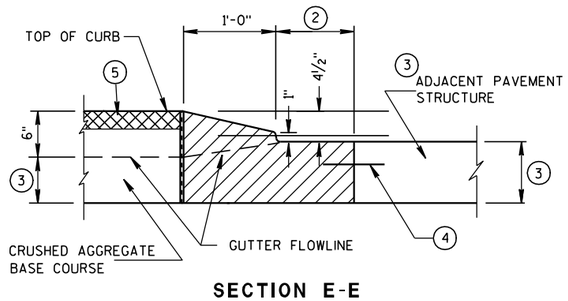
PAVEMENT TIES REQUIRED IN EXISTING CONCRETE BASE COURSE. PAVEMENT TIES SHALL BE NO. 6 X 1'-0" SPACED AT 3'-0" C-C INSTALLED ON A HORIZONTAL SKEW OF 6:1. THE DIRECTION OF SKEW SHALL ALTERNATE AFTER EVERY ONE OR TWO BARS.

(5) SURFACE TYPE AND DETAILS ARE SHOWN ELSEWHERE IN THE PLAN.



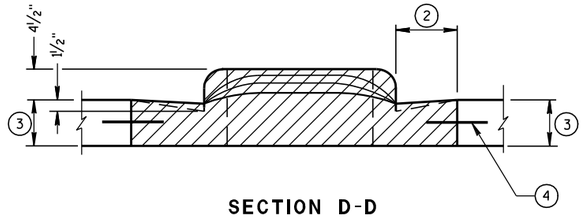






CONCRETE MEDIAN SLOPED NOSE TYPE 1

CONCRETE MEDIAN SLOPED NOSE TYPE 2



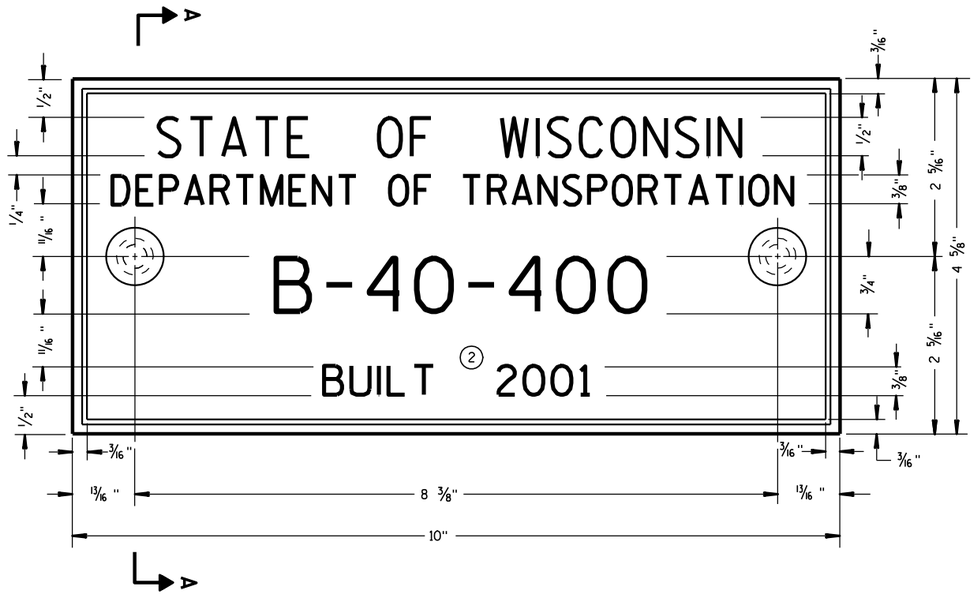
CONCRETE MEDIAN NOSE	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED 6/8/2006 DATE FHWA	/S/ Jerry H. [illegible] ROADWAY STANDARDS ENGINEER 1547 NT

6

S.D.D. 11 B 2-2

6

S.D.D. 11 B 2-2



TYPICAL NAME PLATE
(BRIDGES, CULVERTS, AND RETAINING WALLS)

FOR MULTI-UNIT STRUCTURES
LINE 3 ABOVE SHALL READ

B = BRIDGE
C = CULVERT
R = RETAINING WALL

COUNTY NO.

BRIDGE NO.

UNIT NO. FOR MULTIPLE UNIT BRIDGE

B-40-400-1A

NUMBERING DESIGNATION
MULTI-UNIT STRUCTURES

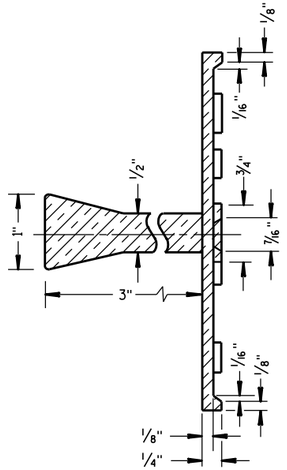
GENERAL NOTES

NAME PLATES TO BE INSTALLED ON BRIDGES, CULVERTS, AND RETAINING WALLS SHALL CONFORM TO THE REQUIREMENTS OF SECTION 502.3.11 OF THE STANDARD SPECIFICATIONS.

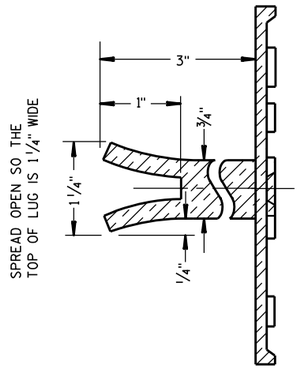
THE BRIDGE NUMBER AND YEAR BUILT SHOWN ON THIS DRAWING ARE EXAMPLES ONLY. SEE CONSTRUCTION PLANS FOR INDIVIDUAL NUMBERING AND YEAR BUILT.

(1) EPOXY RESIN SHALL BE FROM AN APPROVED MANUFACTURER AND USED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.

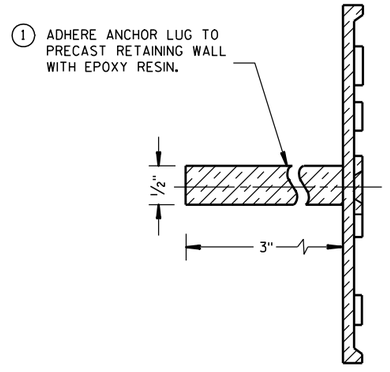
(2) REHABILITATION OF AN EXISTING STRUCTURE SHOULD USE THE DATE OF ORIGINAL STRUCTURE CONSTRUCTION.



SECTION A-A



ALTERNATE LUG



ALTERNATE LUG
(FOR ATTACHMENT TO PRECAST STRUCTURES)

NAME PLATE (STRUCTURES)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

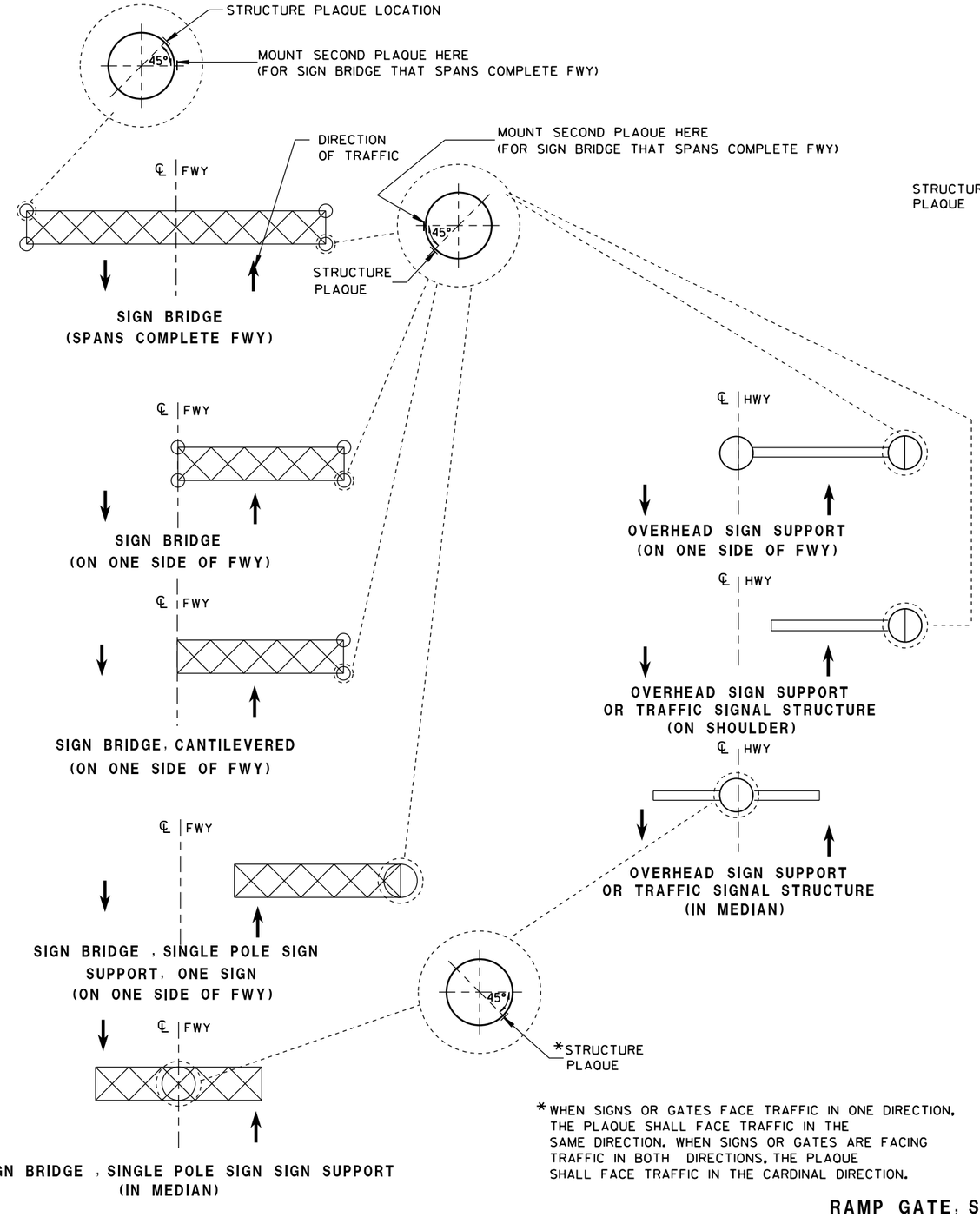
3/26/10 DATE

/S/ Scot Beck CHIEF STRUCTURAL DEVELOPMENT ENGINEER

FHWA

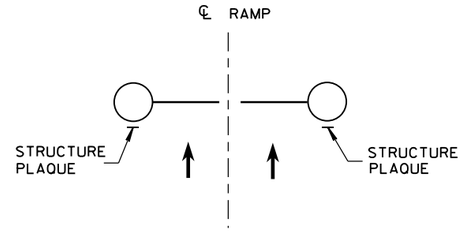
6

S.D.D. 12 A 3-10

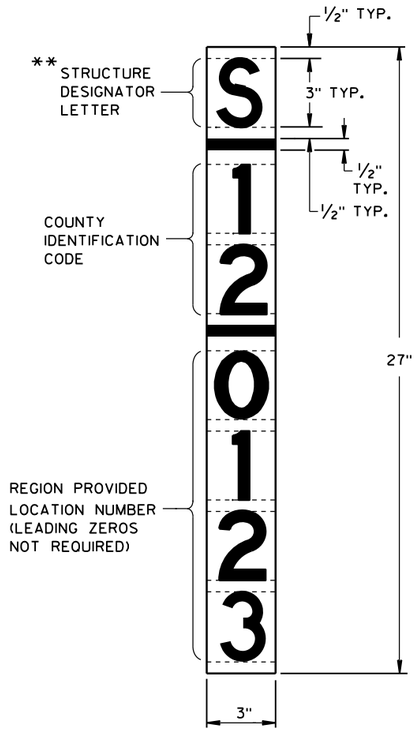


*WHEN SIGNS OR GATES FACE TRAFFIC IN ONE DIRECTION, THE PLAQUE SHALL FACE TRAFFIC IN THE SAME DIRECTION. WHEN SIGNS OR GATES ARE FACING TRAFFIC IN BOTH DIRECTIONS, THE PLAQUE SHALL FACE TRAFFIC IN THE CARDINAL DIRECTION.

LOCATION OF RAMP GATE, SIGN BRIDGE, OVERHEAD SIGN SUPPORT & TRAFFIC SIGNAL STRUCTURE PLAQUES



RAMP GATE (ACROSS FWY ON-RAMP)



RAMP GATE, SIGN BRIDGE, OVERHEAD SIGN SUPPORT AND TRAFFIC SIGNAL STRUCTURE PLAQUE FOR SIGN BRIDGES AND OVERHEAD SIGN SUPPORT WHICH ARE NOT STRUCTURE MOUNTED

** LETTER "G" UTILIZED FOR RAMP GATES. LETTER "S" UTILIZED FOR SIGN BRIDGES, OVERHEAD SIGN SUPPORTS, AND TRAFFIC SIGNALS.

GENERAL NOTES

DETAILS OF CONSTRUCTION AND WORKMANSHIP NOT SHOWN IN THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

PLAQUES SHALL BE INCIDENTAL TO ALL NEW INSTALLATIONS.

IF THE PROPOSED SIGN BRIDGE OR OVERHEAD SIGN SUPPORT IS REPLACING AN EXISTING SIGN BRIDGE OR OVERHEAD SIGN SUPPORT, A NEW IDENTIFICATION PLAQUE WILL BE REQUIRED.

FASTEN TOP, CENTER AND BOTTOM OF PLAQUE TO POLE OR OTHER LOCATION AS FOLLOWS:

GALVANIZED STEEL SHAFT - 3 STAINLESS STEEL POP RIVETS

A588 STEEL SHAFT - SHIM FOR DRAINAGE WITH STAINLESS WASHERS; FASTEN WITH STAINLESS SELF-TAPPING SCREWS

ALUMINUM SHAFTS - 3 ALUMINUM POP RIVETS

MOUNTING HEIGHT SHALL BE APPROXIMATELY 5.0' ABOVE CURB OR SHOULDER. ADJUST IF IT IS KNOWN THAT REQUIRED TRAFFIC SIGNS WILL OBSTRUCT.

PLAQUE MATERIALS:

BASE - SHEET ALUMINUM, 0.060" THICK.

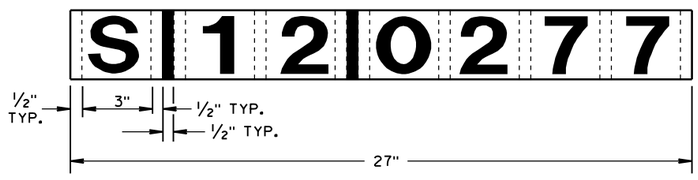
FACE - WHITE, SELF-ADHESIVE VINYL SHEETING, NON-RETROREFLECTIVE

LINES - BLACK, ½" WIDE, SELF-ADHESIVE

CHARACTERS:- BLACK, SELF ADHESIVE, SERIES "D", SIZE AS SHOWN.

FOR SIGN BRIDGES, STRUCTURE MOUNTED, THE STRUCTURE PLAQUE SHALL BE MOUNTED HORIZONTALLY AS SHOWN ON THE DRAWING. THE STRUCTURE PLAQUE SHALL BE MOUNTED HORIZONTALLY TO THE BACK OF THE SIGN, BETWEEN THE ALUMINUM EXTRUSIONS, NEAR THE TOP LEFT HAND CORNER OF THE SIGN. THE BASE MATERIAL SHALL BE OMITTED AND THE FACE ADHERED DIRECTLY TO THE ALUMINUM SURFACE. PRIOR TO ADHERING THE MATERIAL, THE ALUMINUM SURFACE SHALL BE SMOOTH, CLEAN AND DRY.

WHERE SIGN BRIDGE ILLUMINATION IS PROVIDED, THE STRUCTURE MUST ALSO HAVE A SIGN BRIDGE CIRCUIT PLAQUE AS SHOWN IN THE ELECTRICAL DETAILS.



IDENTIFICATION PLAQUE FOR SIGN BRIDGE, STRUCTURE MOUNTED

STRUCTURE IDENTIFICATION PLAQUES, RAMP GATES, SIGN BRIDGES, OVERHEAD SIGN SUPPORTS, & TRAFFIC SIGNALS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

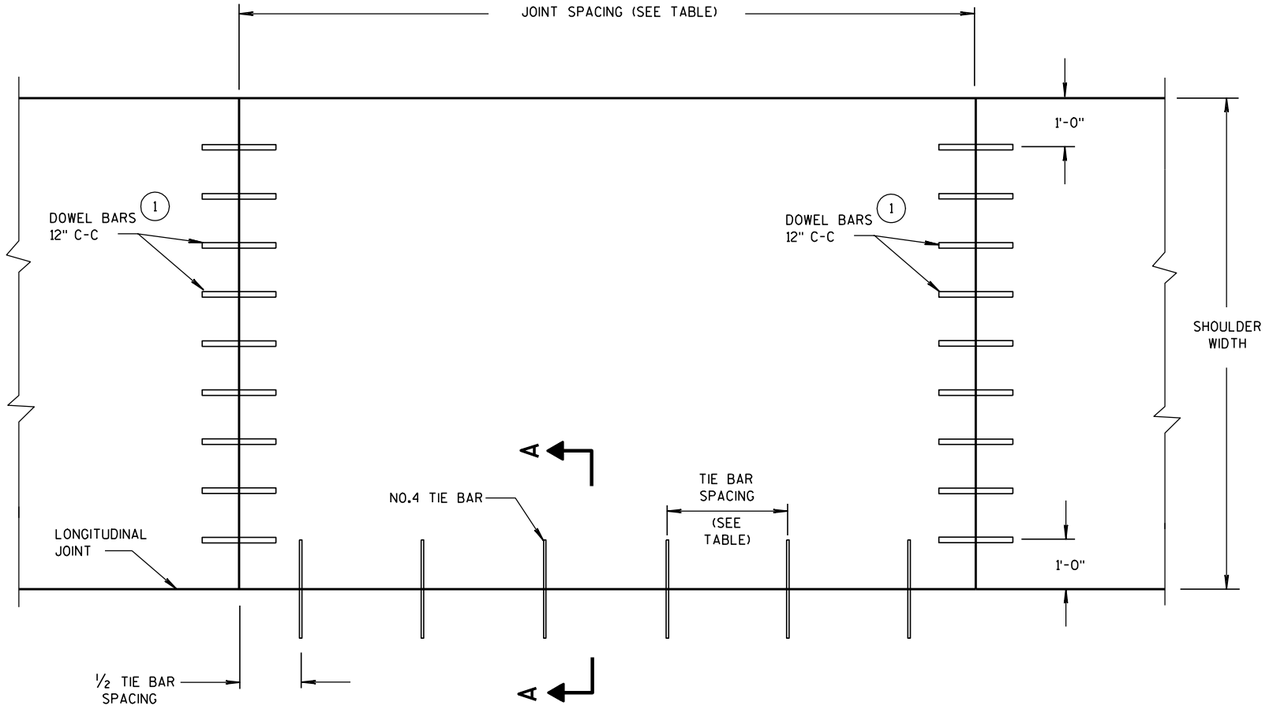
APPROVED
12/4/2012 — DATE
/S/ Travis Feltes — STATE TRAFFIC ENGINEER
FHWA

6

S.D.D. 12 A 4-3

6

S.D.D. 12 A 4-3



PLAN VIEW

CONCRETE PAVEMENT SHOULDER

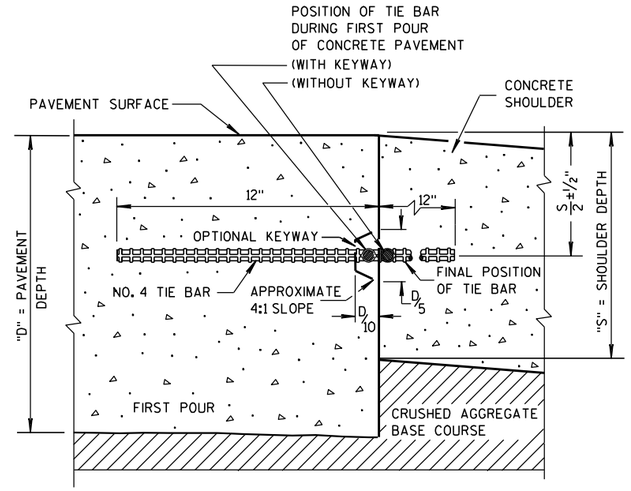
GENERAL NOTES

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

PAVEMENT TYPE OF TRAFFIC LANES	TIE BAR SPACING	SHOULDER JOINT SPACING
NON-REINFORCED	30"	MATCH JOINT SPACING OF ADJACENT TRAFFIC LANE
CONTINUOUSLY REINFORCED	30"	15' FOR 6' TO 10' WIDE SHOULDERS
CONTINUOUSLY REINFORCED	36"	12' FOR 3' WIDE SHOULDERS

(1)

PAVEMENT DEPTH, DOWEL BAR SIZE AND JOINT SPACING TABLE

PAVEMENT DEPTH (D)	DOWEL BAR DIAMETER	CONTRACTION JOINT SPACING
5 ½", 6", 6 ½"	NONE	12'
7", 7 ½"	1"	14'
8", 8 ½"	1 ¼"	15'
9", 9 ½"	1 ¼"	15'
10" & ABOVE	1 ½"	15'

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

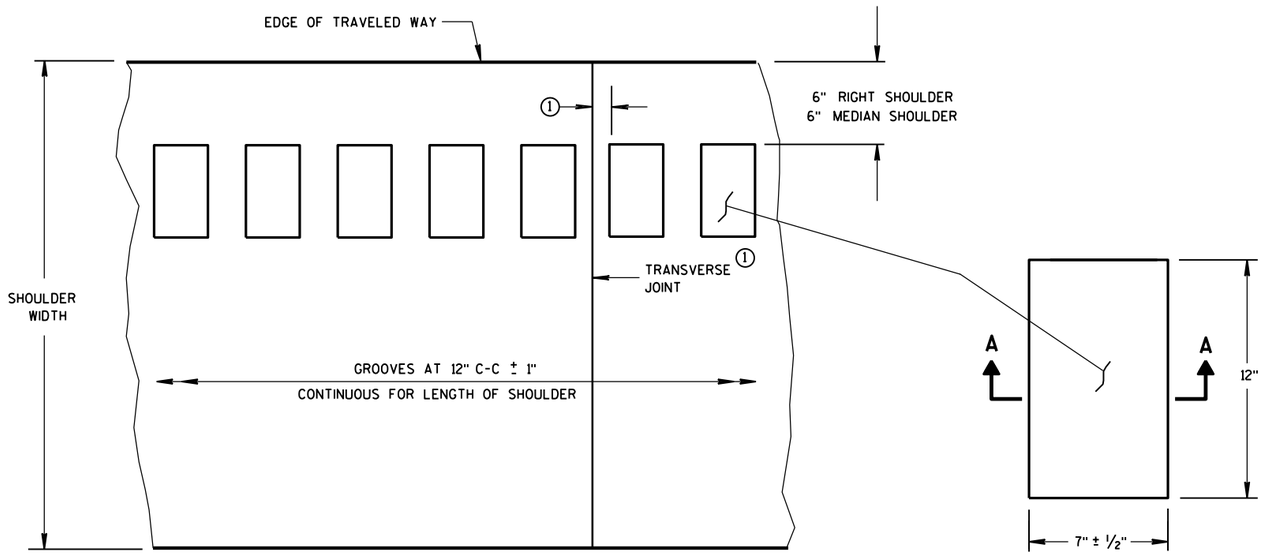
APPROVED
8/15/2011 — DATE
/S/ Deb Bischoff — PAVEMENT POLICY & D 550 — INEER
FHWA

6

S.D.D. 13 A 3-5

6

S.D.D. 13 A 3-5



PLAN VIEW
SHOULDER WITH GROOVES

PLAN VIEW
(SINGLE GROOVE)

PLACEMENT DETAIL FOR MILLED RUMBLE STRIP

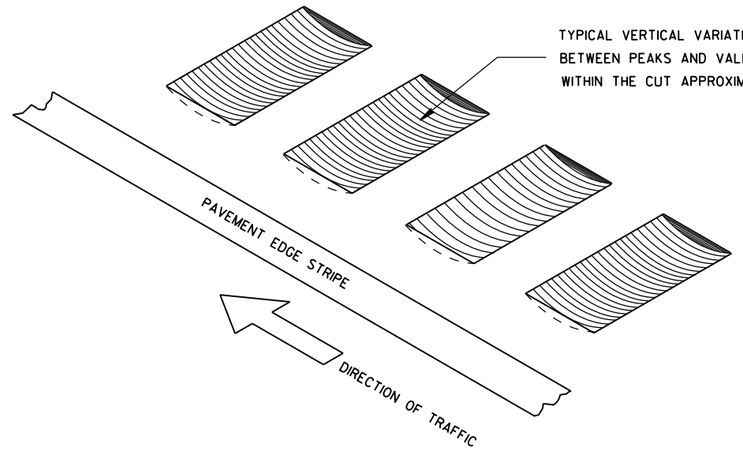
GENERAL NOTES

DETAILS OF CONSTRUCTION SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.

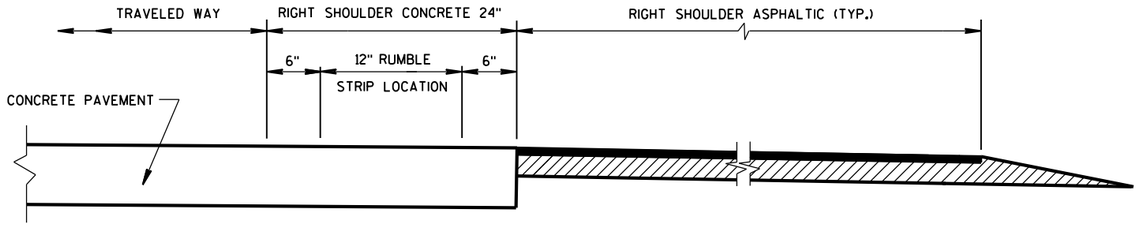
RUMBLE STRIPS ON EXPRESSWAYS

DO NOT INSTALL RUMBLE STRIPS ACROSS SIDE ROAD INTERSECTIONS, COMMERCIAL DRIVEWAYS, PRIVATE DRIVEWAYS OR ADJACENT TO RIGHT TURN LANES, LEFT TURN LANES, TURN LANE TAPERS, BRIDGE DECKS, BRIDGE APPROACHES, OR 100 FEET IN ADVANCE OF RAILROAD CROSSING. THE ATTACHED STANDARD DETAIL DRAWING SHOWS THE LOCATION OF THE RUMBLE STRIPS AT INTERCHANGE AREAS.

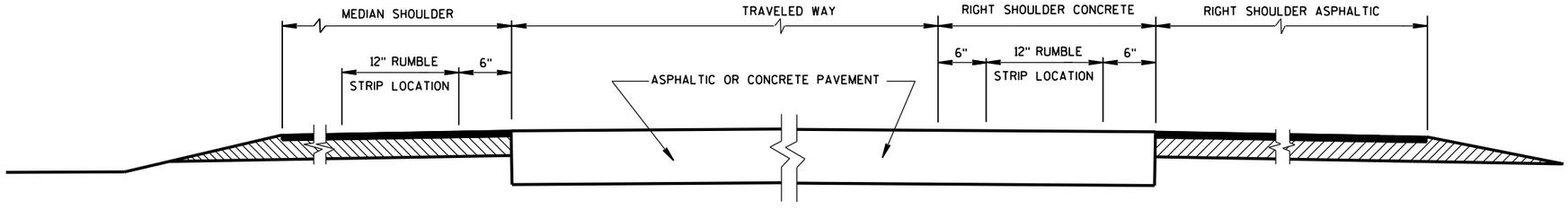
(1) CONCRETE PAVEMENT - RUMBLE STRIPS SHALL BE A MINIMUM OF 6" AWAY FROM TRANSVERSE JOINTS.



ISOMETRIC



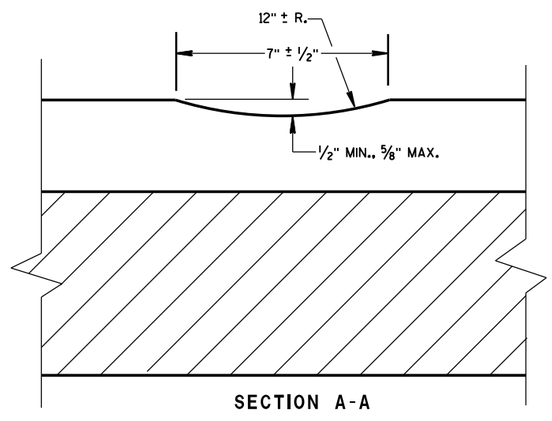
SECTION VIEW
CONCRETE PAVEMENT EXTENDS INTO RIGHT SHOULDER)



SECTION VIEW

TYPICAL LOCATIONS OF SHOULDER RUMBLE STRIPS IN RURAL DIVIDED HIGHWAYS

(ONE ROADWAY IS SHOWN)



SECTION A-A

SHOULDER RUMBLE STRIP, MILLING

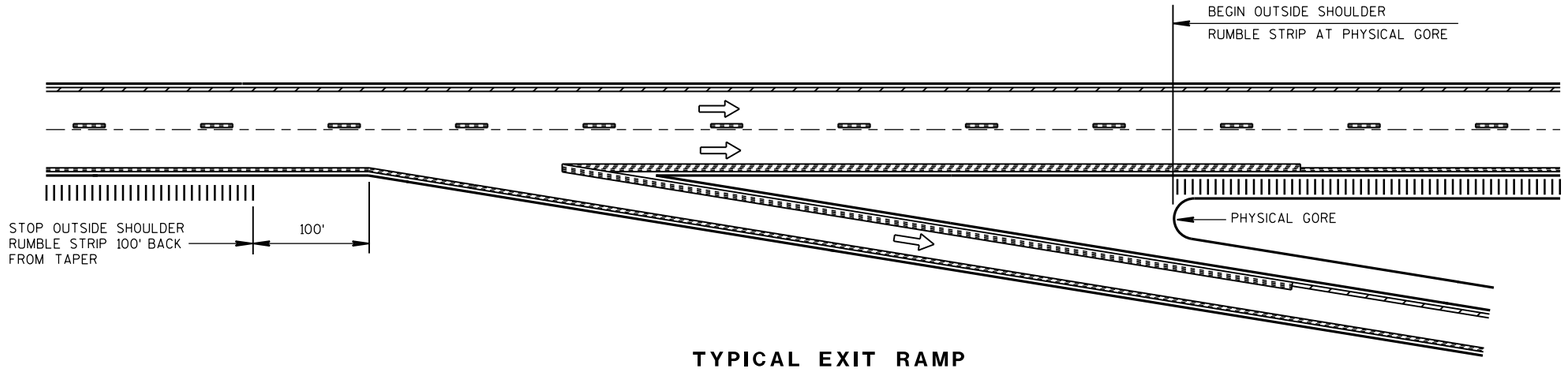
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

6

S.D.D. 13 A 5-5a

6

S.D.D. 13 A 5-5a



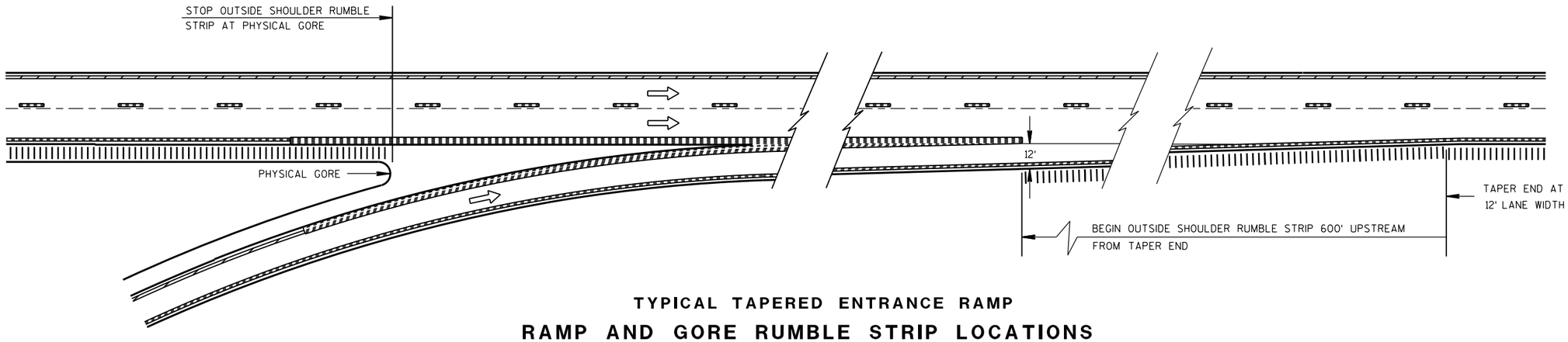
TYPICAL EXIT RAMP

NOTES:

NO RUMBLE STRIP ON EXIT, DIRECTIONAL, OR ENTRANCE RAMPS, EXCEPT NEAR THE ENTRANCE TAPER END AND ALONG THE PARALLEL RAMP AREA AS SHOWN.

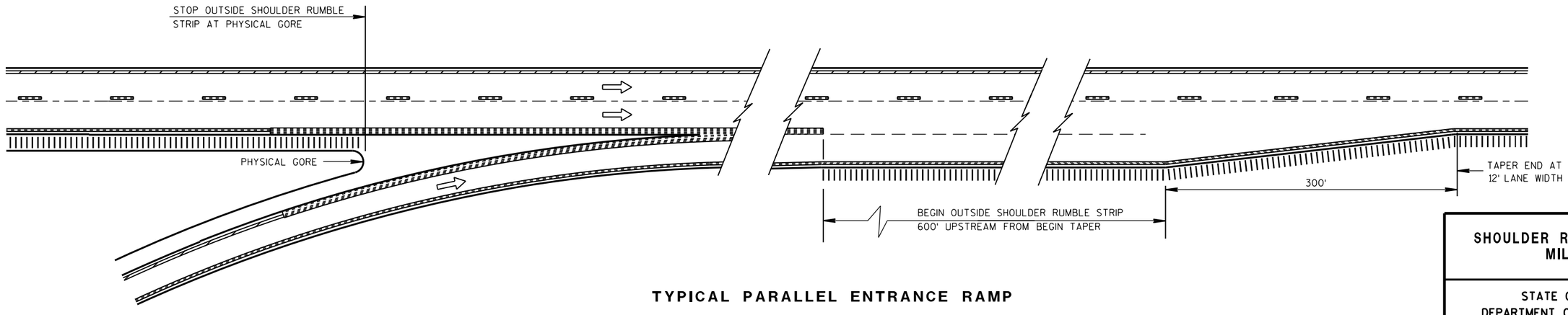
PAVEMENT MARKING DETAILS AND SPECIFICATIONS ARE PROVIDED ELSEWHERE IN THE CONTRACT.

NOTE:
ARROW SYMBOL (⇨)
SHOWS DIRECTION OF TRAVEL



TYPICAL TAPERED ENTRANCE RAMP

RAMP AND GORE RUMBLE STRIP LOCATIONS



TYPICAL PARALLEL ENTRANCE RAMP

RAMP AND GORE RUMBLE STRIP LOCATIONS

SHOULDER RUMBLE STRIP, MILLING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

12/17/2012
DATE

/S/ Jerry H. Zoga
ROADWAY STANDARDS ENGINEER

552

FHWA

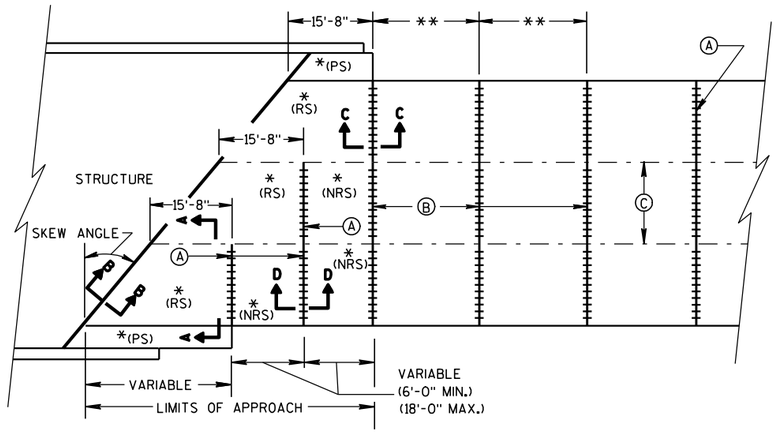
ENT

6

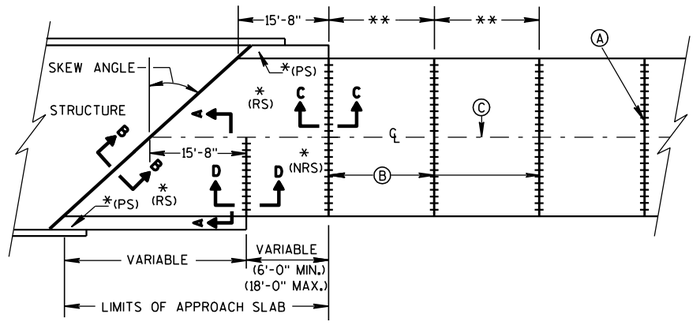
S.D.D. 13 A 5-5b

6

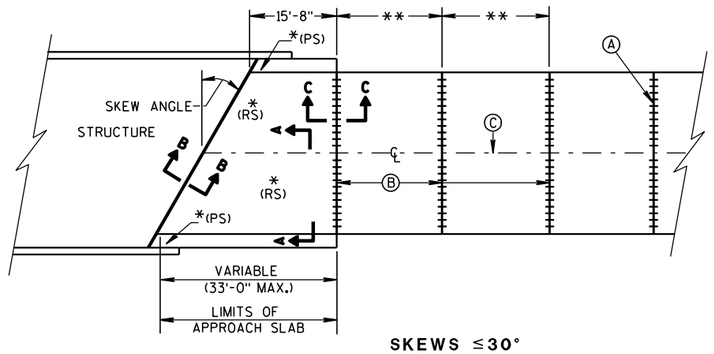
S.D.D. 13 A 5-5b



SKEWED APPROACH
(PAVEMENT MORE THAN 2 LANES)



SKEWS >30°
(PAVEMENT WIDTH ≤30')



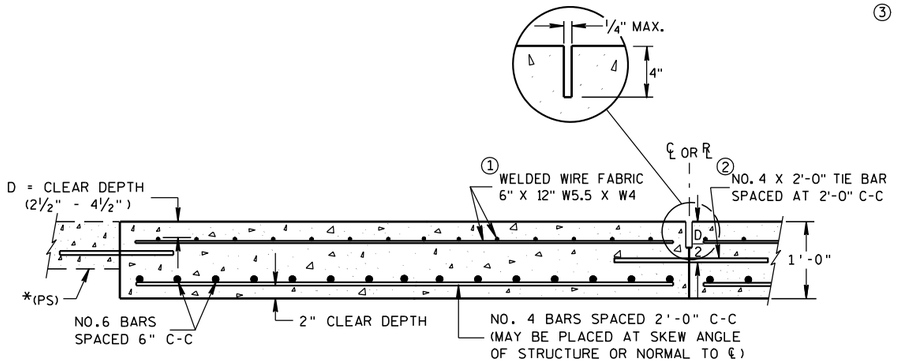
SKEWS ≤30°
(PAVEMENT WIDTH ≤30')

APPROACH SLAB AND ADJACENT PAVEMENT

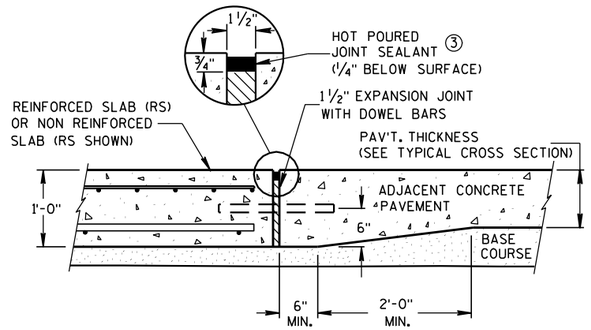
*(RS) = REINFORCED CONCRETE SLAB
*(PS) = PAVED CONCRETE SHOULDER: CONCRETE PAVEMENT, OR CONCRETE SURFACE DRAIN
(SEE DETAILS ELSEWHERE IN THE PLAN)
*(NRS) = NON-REINFORCED CONCRETE SLAB

**STANDARD TRANSVERSE JOINT SPACING
(SEE SDD 13C4, SDD 13C11, & SDD 13C13)

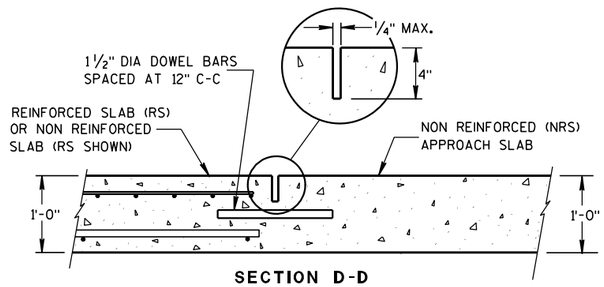
(A) STANDARD CONTRACTION JOINT NORMAL TO ℄ OR ℄
(B) 1½" EXPANSION JOINT WITH DOWEL BARS NORMAL TO ℄ OR ℄
(C) STANDARD LONGITUDINAL JOINT AND TIE BARS.



SECTION A-A
REINFORCEMENT POSITIONING DETAIL



SECTION C-C
TRANSITION DETAIL
APPROACH SLAB TO ADJACENT PAVEMENT



SECTION D-D
CONTRACTION JOINT

GENERAL NOTES

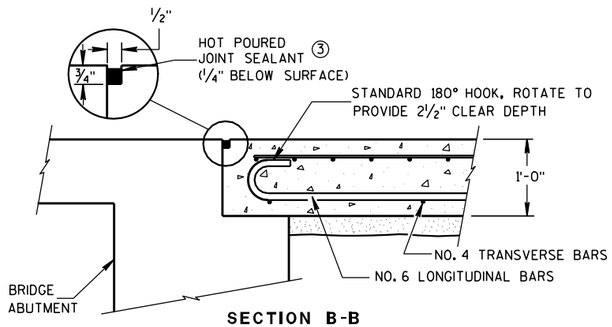
APPROACH SLABS ABUTTING AN HMA PAVEMENT OVER BASE COURSE DO NOT NEED TO BE DOWELED.

THE CONTRACTOR MAY SPLICE NO. 6 BARS IN THE APPROACH SLAB FOR SKEWED STRUCTURES ONLY. STAGGER SPLICES WITH A MAXIMUM OF ONE SPLICE PER BAR. THE LENGTH OF LAP IS 20 INCHES.

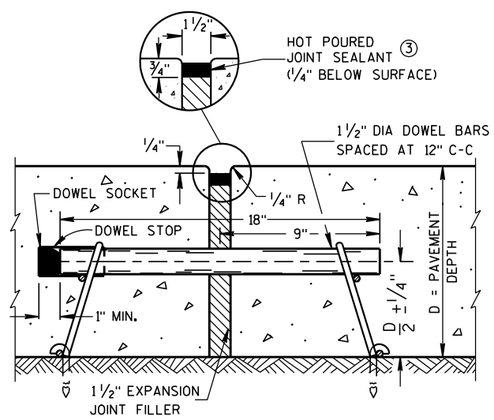
(1) THE CONTRACTOR MAY USE NO. 4 BARS SPACED AT 2'-0" C-C IN BOTH THE LONGITUDINAL AND TRANSVERSE DIRECTIONS FOR TOP REINFORCEMENT AS AN ALTERNATIVE TO THE WELDED WIRE FABRIC.

(2) THE CONTRACTOR MAY OMIT TIE BARS BETWEEN REINFORCED SLABS WHERE SLAB REINFORCEMENT BARS EXTEND ACROSS THE CENTERLINE OR REFERENCE LINE.

(3) USE A JOINT SEALANT MEETING THE REQUIREMENTS OF ASTM D6690.



SECTION B-B
BEND DETAIL
BOTTOM REINFORCEMENT

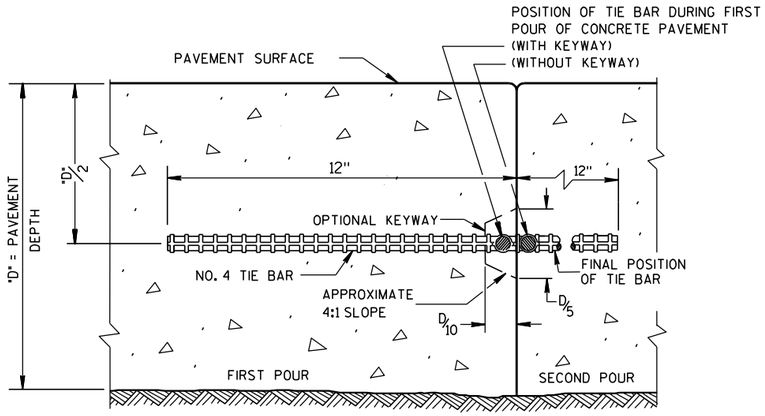


EXPANSION JOINT

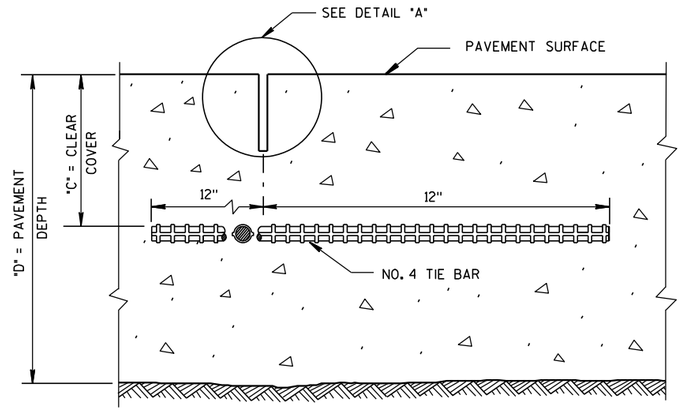
CONCRETE PAVEMENT APPROACH SLAB

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
12/11/2009 — DATE
/S/ Deb Bischoff — PAVEMENT POLICY & DE553 — NEER
FHWA



CONSTRUCTION JOINT



SAWED JOINT

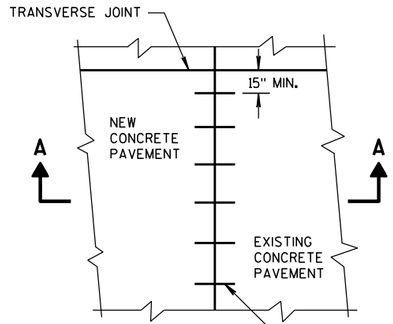
GENERAL NOTES

DO NOT SEAL OR FILL LONGITUDINAL JOINTS.

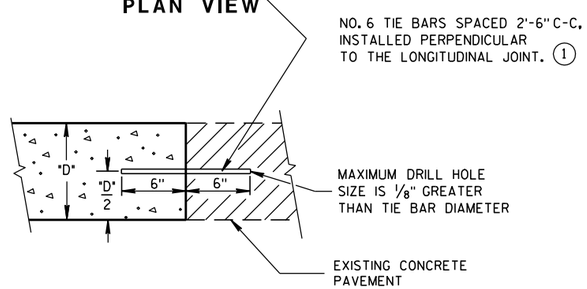
CREATE A LONGITUDINAL JOINT FOR PAVEMENT WIDTHS GREATER THAN 15 FEET.

CORRELATE LONGITUDINAL JOINTS WITH LANE LINES WHEN POSSIBLE.

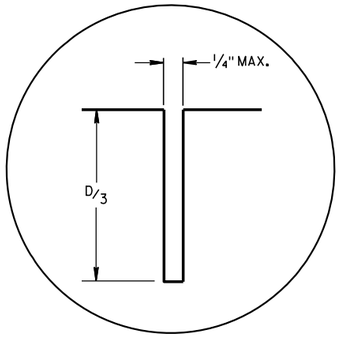
(1) ANCHOR TIE BARS INTO DRILLED HOLES WITH AN EPOXY.



PLAN VIEW

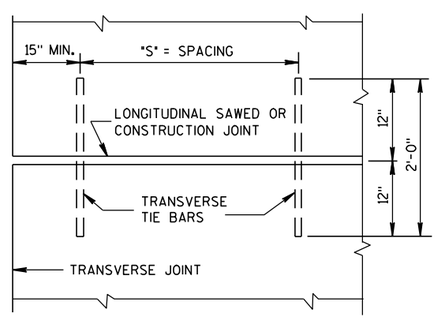


SECTION A-A
LONGITUDINAL CONSTRUCTION JOINT TIE BARS ANCHORED INTO EXISTING PAVEMENT



DETAIL "A"

PAVEMENT DEPTH "D"	CLEAR COVER "C"	MAXIMUM TIE BAR SPACING "S"	
		PAVEMENT WIDTH	
		24' OR 26'	≥ 30'
6, 6 1/2"	3"±1/2"	48"	42"
7, 7 1/2"	3 1/4"±1"	45"	36"
8, 8 1/2"	3 3/4"±1"	39"	30"
9, 9 1/2"	4 1/4"±1"	33"	27"
10, 10 1/2"	4 3/4"±1"	30"	24"
11, 11 1/2"	5 1/4"±1"	27"	21"
12"	5 3/4"±1"	24"	21"



PLAN VIEW
SHOWING LOCATION OF TIE BARS

CONCRETE PAVEMENT LONGITUDINAL JOINTS AND TIES

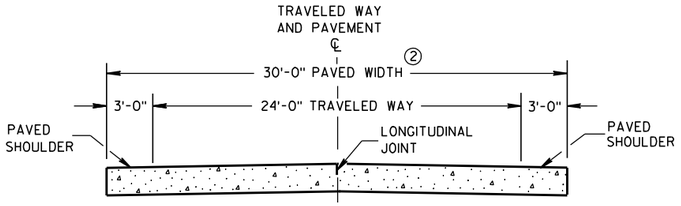
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

10-5-2010 DATE

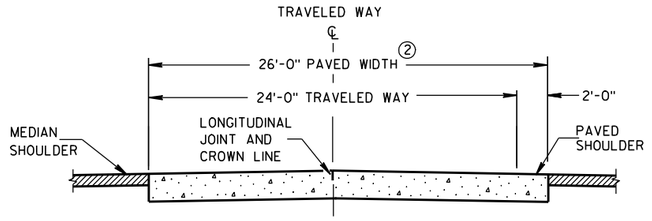
/S/ Deb Bischoff
PAVEMENT POLICY & DI554 INEER

FHWA

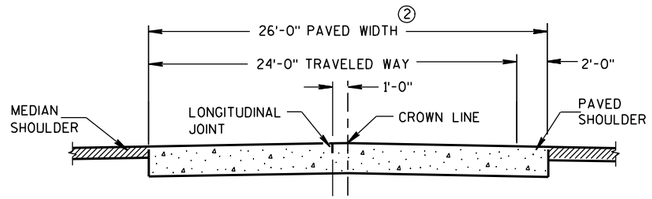


SECTION A-A ①

TWO-LANE TWO-WAY HIGHWAY



SECTION B-B



ALTERNATIVE SECTION B-B

①

DIVIDED HIGHWAY

GENERAL NOTES

CONTRACTION JOINTS

CONSTRUCT CONTRACTION JOINTS NORMAL TO THE CENTERLINE. SHOW THE LOCATION OF CONTRACTION JOINTS THROUGH INTERSECTIONS ON THE PLANS OR AS DIRECTED BY THE ENGINEER.

DO NOT SEAL OR FILL CONTRACTION JOINTS.

INSTALL DOWEL BARS PARALLEL TO THE PAVEMENT CENTERLINE AND PAVEMENT SURFACE.

FOR PAVEMENT SLABS OF VARYING WIDTHS, CENTER THE DOWEL ASSEMBLY ACROSS THE LANES. LOCATE THE INNER AND OUTER MOST DOWEL BARS SO THAT THE CENTER OF THE BARS ARE A MINIMUM OF 6 INCHES AND A MAXIMUM OF 12 INCHES FROM THE LONGITUDINAL JOINT AND THE EDGE OF PAVEMENT.

CONSTRUCTION JOINTS

LOCATE CONSTRUCTION JOINTS A MINIMUM OF 4 FEET FROM THE NEAREST CONTRACTION JOINT AND ALIGN PARALLEL TO CONTRACTION JOINTS.

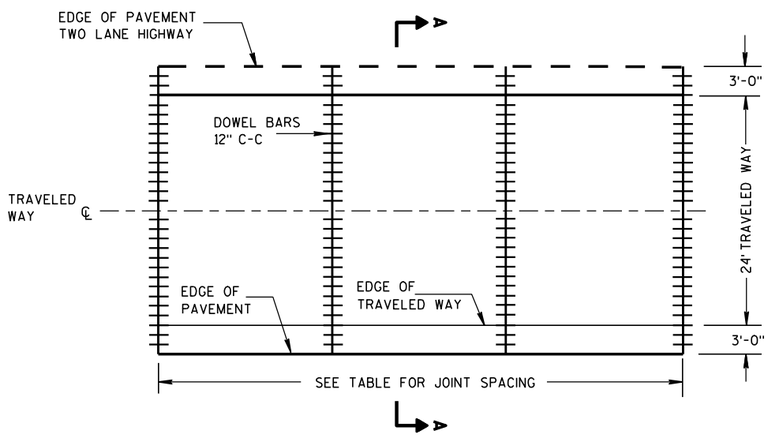
THE CONTRACTOR MAY INSERT TIE BARS THROUGH THE HEADER BOARD AFTER THE CONCRETE HAS BEEN PLACED.

① REFER TO TYPICAL CROSS SECTIONS FOR ADDITIONAL DETAILS.

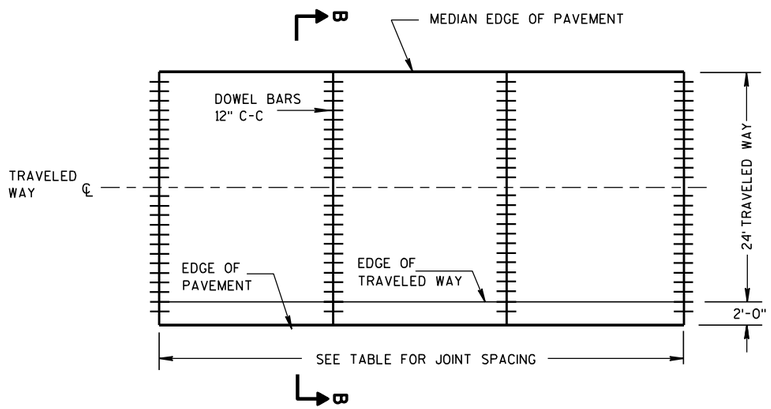
② MEASURE THE ENTIRE PAVED WIDTH INCLUDING THE PORTION(S) LABELED PAVED SHOULDER AS CONCRETE PAVEMENT.

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'



CONTRACTION JOINT LAYOUT FOR TWO-LANE TWO-WAY HIGHWAY



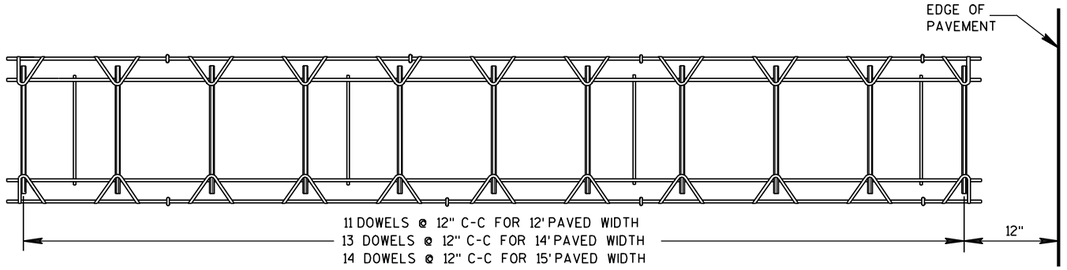
CONTRACTION JOINT LAYOUT FOR DIVIDED HIGHWAY

RURAL DOWELED CONCRETE PAVEMENT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

S.D.D. 13 C 11-10a



PLAN VIEW

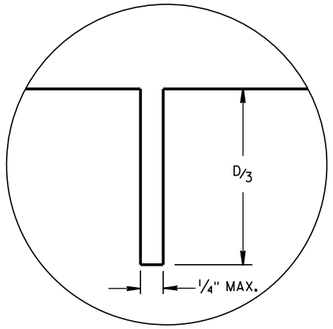


⑤

SIDE VIEW

(NORMAL TO CENTERLINE)

CONTRACTION JOINT DOWEL ASSEMBLY ①



JOINT DETAIL

GENERAL NOTES

① THE ENGINEER MAY APPROVE THE USE OF ALTERNATIVE DESIGNS OF THE DOWEL ASSEMBLY. THE CONTRACTOR MAY USE MECHANICAL DOWEL BAR INSERTERS INSTEAD OF DOWEL ASSEMBLIES.

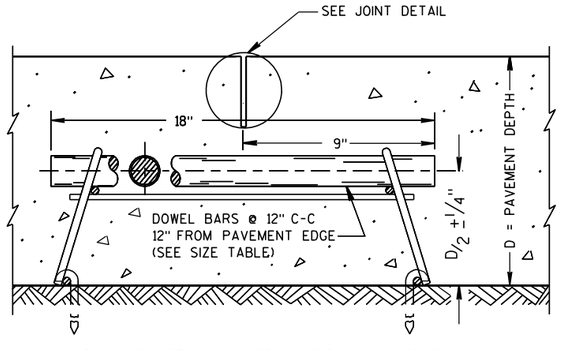
② ANCHOR DOWEL BARS INTO DRILLED HOLES WITH AN EPOXY.

③ APPLY A THIN UNIFORM COATING OF SURFACE TREATMENT TO THE FREE END OF DOWEL BARS TO PREVENT BONDING.

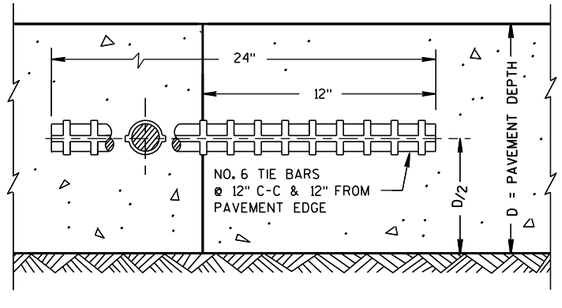
④ SPACE DOWEL BARS INSTALLED BY DRILLING 1'-3" ON CENTER. CENTER THE GROUPING OF DOWEL BARS INSIDE THE SLAB BASED ON ALL THE FOLLOWING SITUATIONS:

BETWEEN THE EDGES OF PAVEMENTS WITHOUT LONGITUDINAL JOINTS OR BETWEEN THE EDGE OF PAVEMENT AND NEAREST LONGITUDINAL JOINT OR BETWEEN TWO ADJACENT LONGITUDINAL JOINTS.

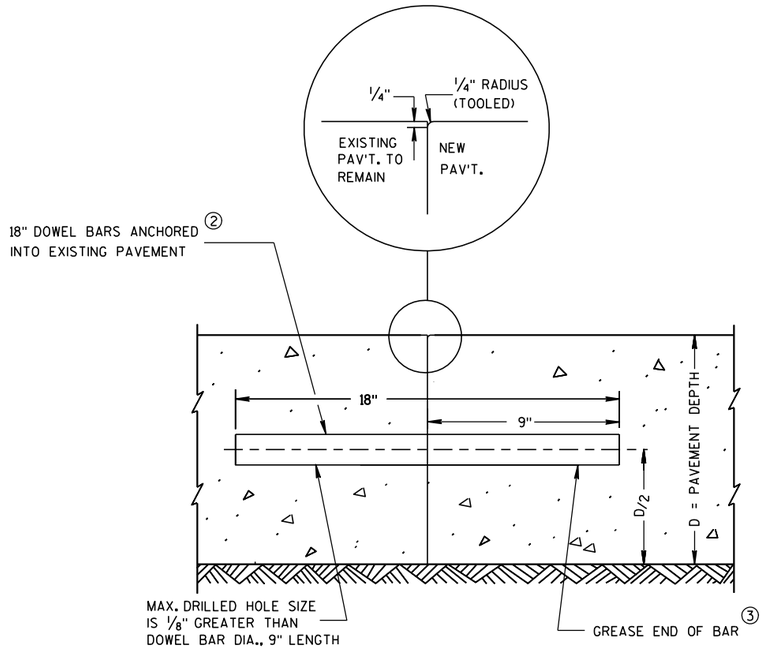
⑤ SECURE BASKETS WITH ANCHORS TO HOLD DOWEL BARS IN THE CORRECT POSITION AND ALIGNMENT. TYPE, LOCATION, NUMBER AND LENGTH OF ANCHORS ARE DEPENDENT UPON FIELD CONDITIONS.



DOWELED CONTRACTION JOINT



CONSTRUCTION JOINT



TRANSVERSE CONTRACTION JOINTS ABUTTING EXISTING PAVEMENT

④ **DOWEL BAR DETAIL**

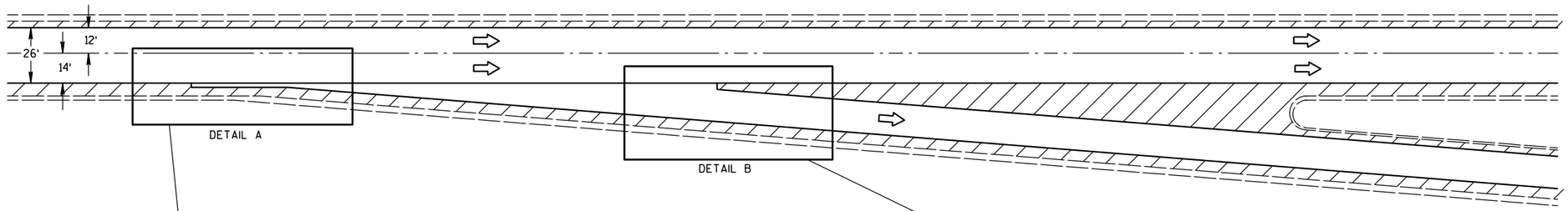
RIRAL DOWELED CONCRETE PAVEMENT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

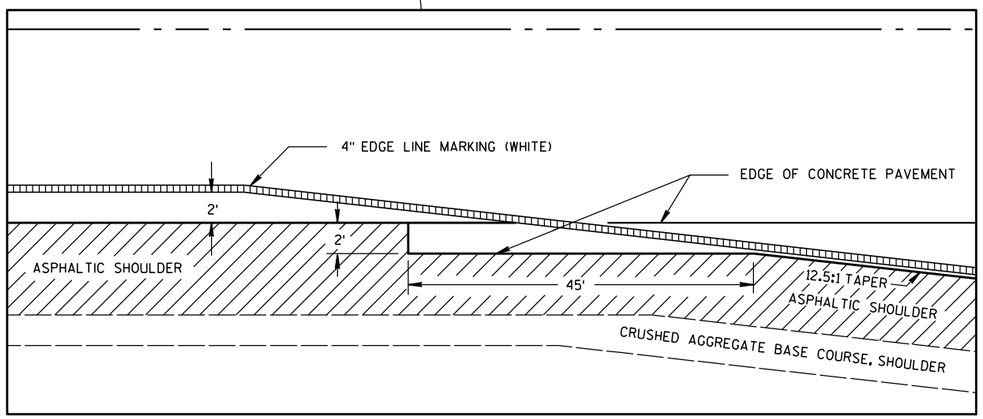
APPROVED
12/11/09 — DATE
/S/ Deb Bischoff — PAVEMENT POLICY & DESIGNER
FHWA

6

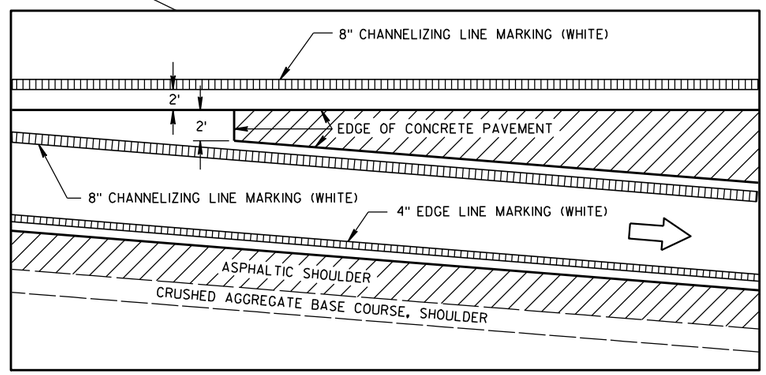
S.D.D. 13 C 11-10b



EXIT RAMP DETAIL



DETAIL A



DETAIL B

CONCRETE JOINT PAVING DETAILS

GENERAL NOTES

PAVEMENT MARKING DETAILS AND SPECIFICATIONS ARE PROVIDED ELSEWHERE IN THE CONTRACT.

SEE SDD 13 A 4-4c OR SDD 13 A 5-1b FOR RAMP AND GORE RUMBLE STRIP LOCATION.

CONCRETE JOINT DETAIL FOR EXIT RAMP TERMINI

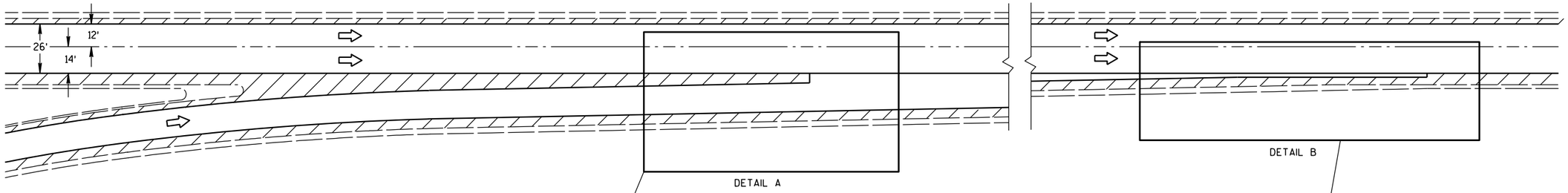
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

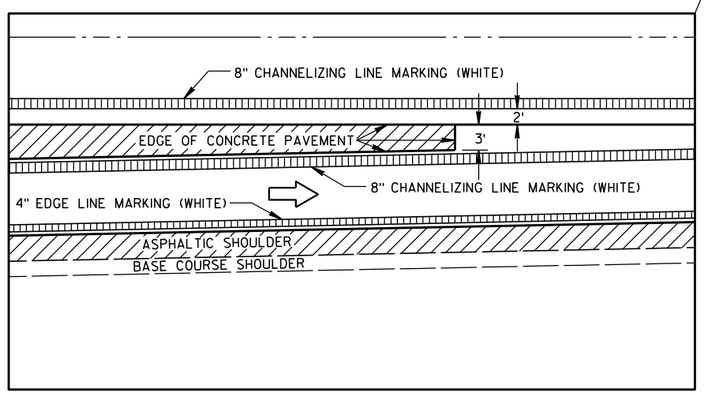
S.D.D. 13 C 17-1a

6

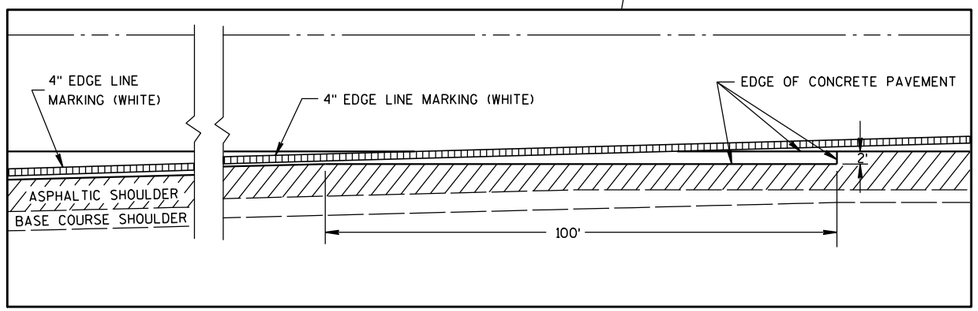
S.D.D. 13 C 17-1a



ENTRANCE RAMP DETAIL



DETAIL A



DETAIL B

CONCRETE JOINT PAVING DETAILS

GENERAL NOTES

PAVEMENT MARKING DETAILS AND SPECIFICATIONS ARE PROVIDED ELSEWHERE IN THE CONTRACT.

SEE SDD 13 A 4-4c OR SDD 13 A 5-1b FOR RAMP AND GORE RUMBLE STRIP LOCATION.

CONCRETE JOINT DETAIL FOR ENTRANCE RAMP TERMINI

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

5/27/98
DATE

/S/ Rory L. Rhinesmith
CHIEF ROADWAY DEVELOPMENT ENGINEER

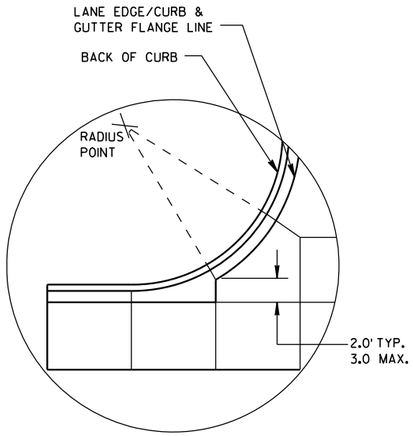
FHWA

6

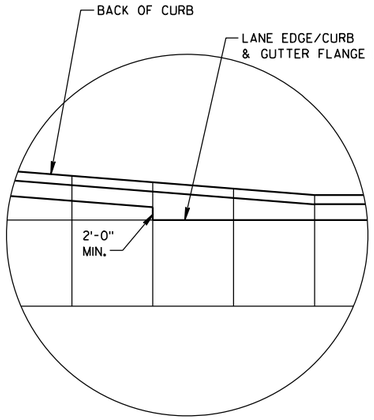
S.D.D. 13 C 17-1b

6

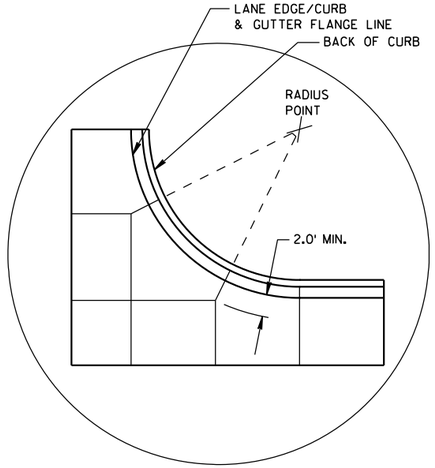
S.D.D. 13 C 17-1b



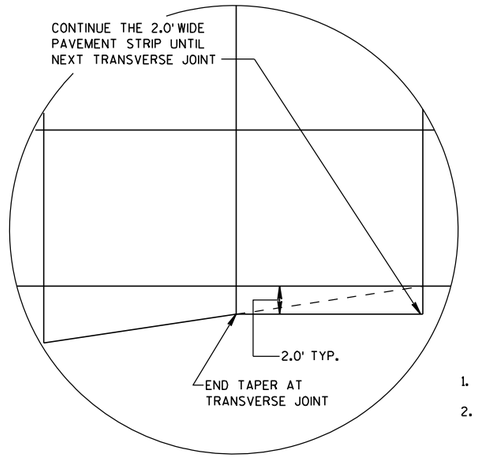
DETAIL "A"



DETAIL "B"



DETAIL "C"



DETAIL "D"

GENERAL NOTES

THE PRIMARY ROADWAY CONTROLS THE TRANSVERSE JOINT PATTERN.

ALIGN NEW JOINTS WITH EXISTING JOINTS OR CRACKS.

CONSTRUCT TRANSVERSE JOINTS PERPENDICULAR TO THE ROADWAY.

ADJUST TRANSVERSE JOINTS TO ALIGN WITH UTILITY FIXTURES (E.G. MANHOLES AND INLETS) IN THE PAVEMENT STRUCTURE WHEN POSSIBLE. WATER VALVES DO NOT REQUIRE JOINT ADJUSTMENT.

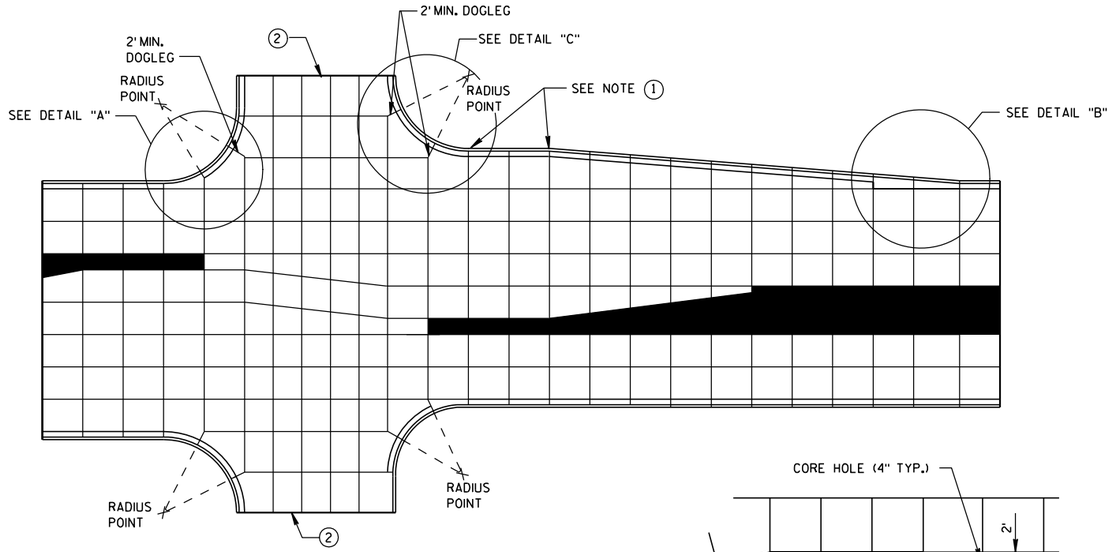
AVOID SLABS LESS THAN 2 FEET WIDE OR GREATER THAN 15 FEET WIDE.

SEE TABLE FOR TRANSVERSE JOINT SPACING. JOINT SPACING SPECIFIED IS MAXIMUM AND ACTUAL SPACING CAN BE ADJUSTED TO ACCOMMODATE INTERSECTIONS.

AVOID ANGLES LESS THAN 60° BY DOGLEGGING JOINTS THROUGH CURVE RADIUS POINTS. USE 90° ANGLES WHEN POSSIBLE.

CORRELATE LONGITUDINAL JOINTS WITH LANE LINES WHEN POSSIBLE.

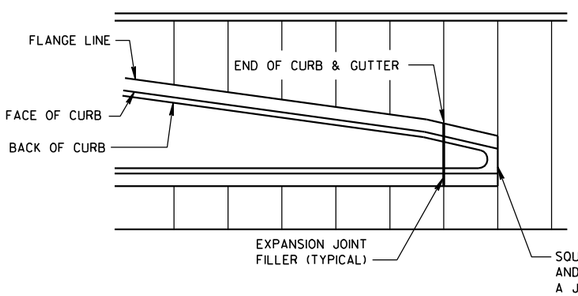
1. PROVIDE TRANSVERSE JOINTS AT ALL PAVEMENT WIDTH CHANGES.
2. CONSTRUCT DOWELED EXPANSION JOINT ON THE SIDE ROAD OF AN INTERSECTION IF THE SIDE ROAD IS CONCRETE PAVEMENT AND GREATER THAN 300 FEET IN LENGTH. ALIGN EXPANSION JOINT WITH EDGE OF RADIUS.
3. THE ENGINEER MAY APPROVE SLIGHT VARIATIONS FROM THESE JOINTING DETAILS.



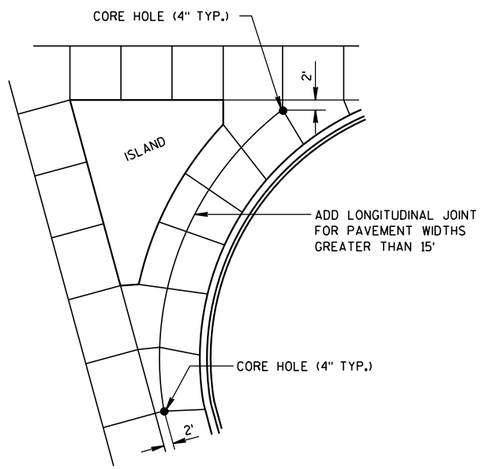
STANDARD INTERSECTION

PAVEMENT DEPTH AND JOINT SPACING TABLE

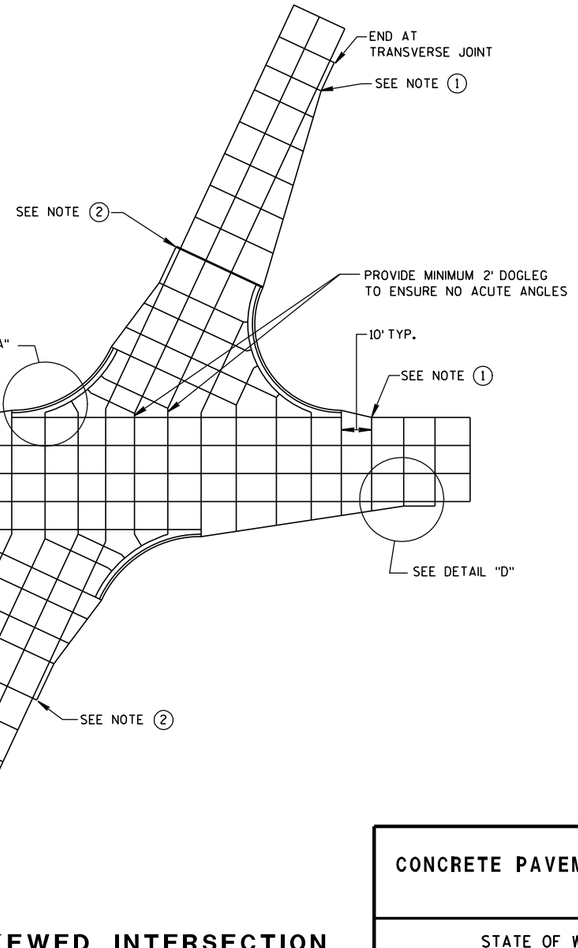
PAVEMENT DEPTH (D)	CONTRACTION JOINT SPACING
6", 6½"	12'
7", 7½"	14'
8" & ABOVE	15'



APPROACH TO MEDIAN



LARGE RIGHT TURN



SKEWED INTERSECTION

CONCRETE PAVEMENT JOINTING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

S.D.D. 13 C 18-1a

6

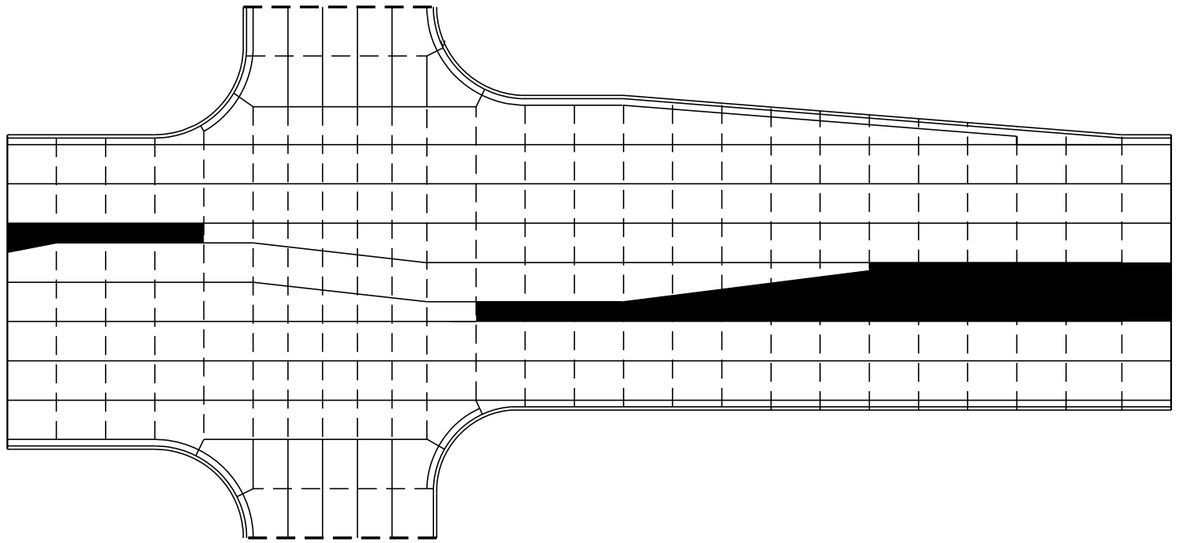
S.D.D. 13 C 18-1a

LEGEND

POTENTIAL DOWELED EXPANSION JOINT

DOWELED JOINT

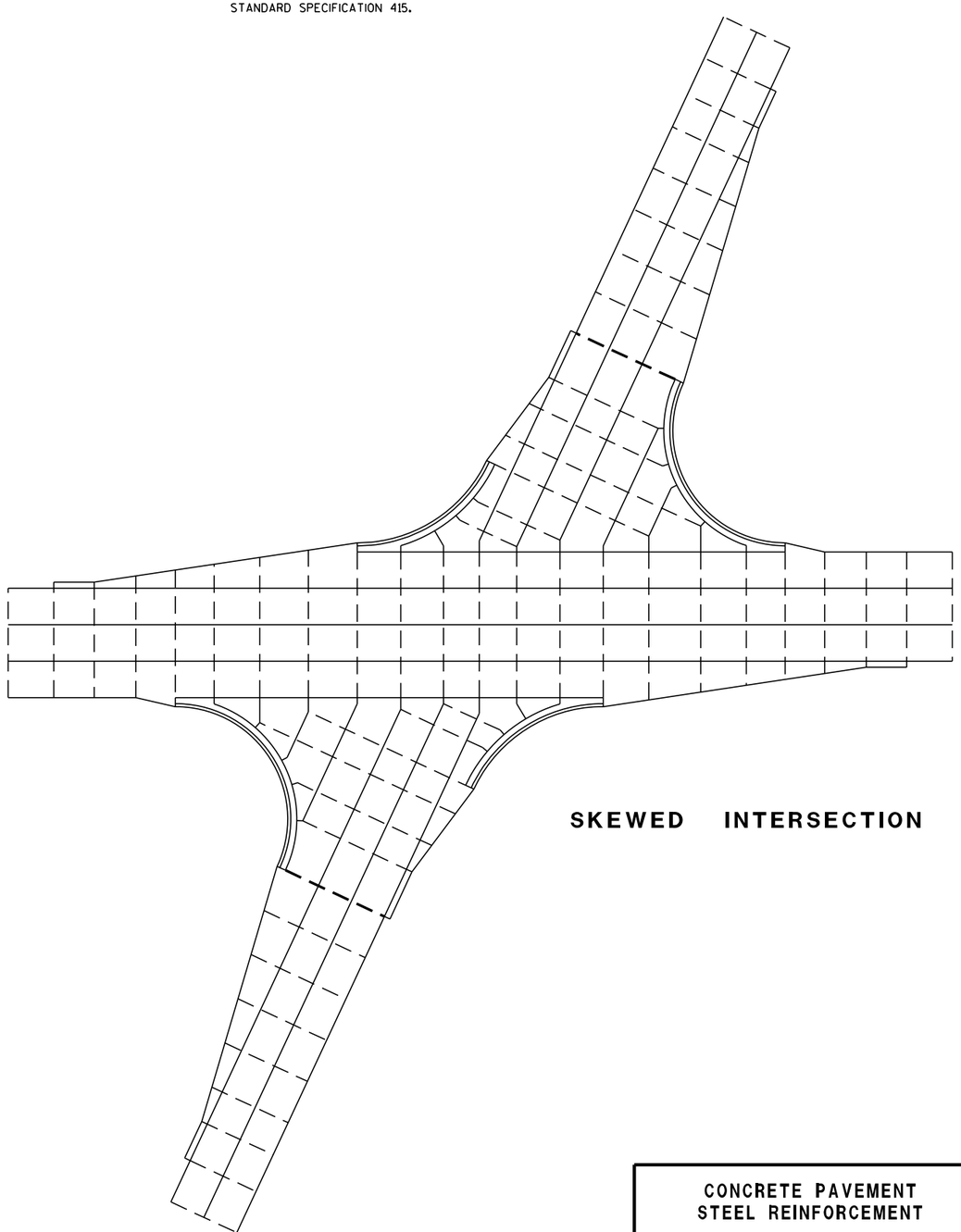
TIED JOINT



STANDARD INTERSECTION

GENERAL NOTES

USE AN EXPANSION JOINT FILLER MEETING THE REQUIREMENTS OF STANDARD SPECIFICATION 415.



SKEWED INTERSECTION

6

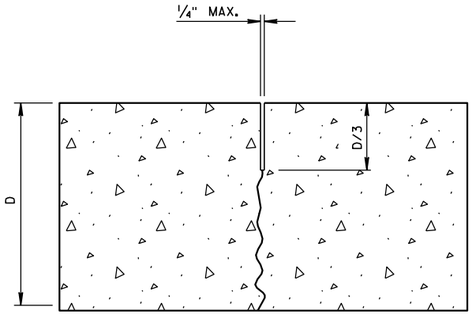
6

S.D.D. 13 C 18-1b

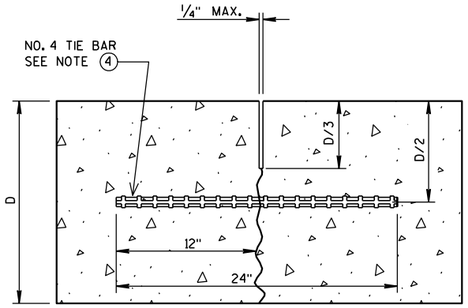
S.D.D. 13 C 18-1b

CONCRETE PAVEMENT
STEEL REINFORCEMENT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION



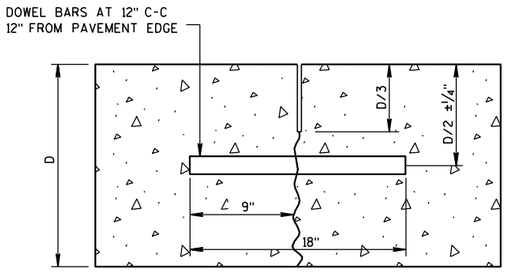
UNDOWELED-TRANSVERSE



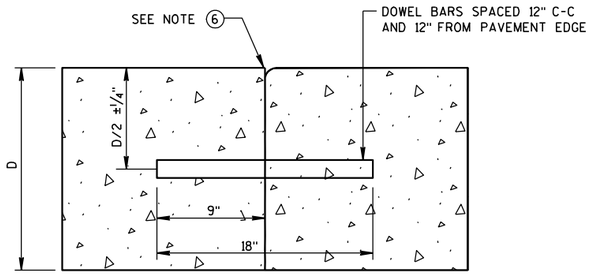
TIED LONGITUDINAL

GENERAL NOTES

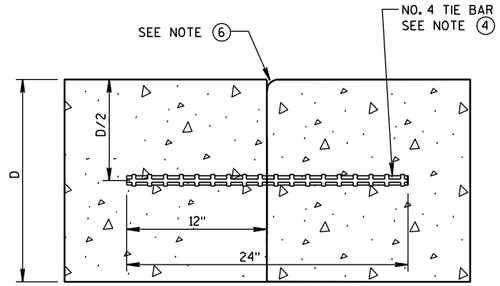
1. USE DOWELED EXPANSION JOINTS ON SIDE ROADS AT INTERSECTIONS (TO ISOLATE THE SIDE ROAD FROM THE THROUGH STREET) IF THE SIDE ROAD IS CONCRETE PAVEMENT AND GREATER THAN 300 FEET IN LENGTH.
2. SPACE CONTRACTION JOINTS IN ACCORDANCE WITH 13C4, 13C11 OR 13C13.
3. LOCATE CONSTRUCTION JOINTS A MINIMUM OF 4 FEET FROM THE NEAREST CONTRACTION JOINT AND ALIGN PARALLEL TO THE CONTRACTION JOINTS.
4. SPACE TIE BARS AT LONGITUDINAL CONSTRUCTION OR CONTRACTION JOINTS IN ACCORDANCE WITH SDD 13C1.
5. CONSTRUCTION JOINTS CAN BE FORMED OR SAWED.
6. IF JOINT IS FORMED, PROVIDE A 1/4-INCH RADIUS.



DOWELED-TRANSVERSE



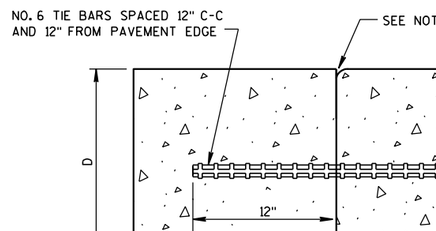
DOWELED TRANSVERSE



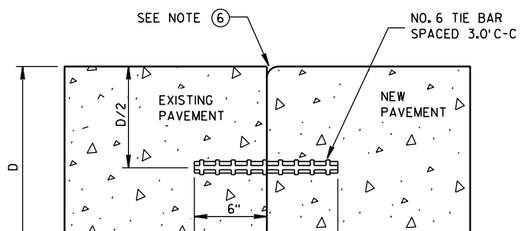
TIED LONGITUDINAL

CONTRACTION JOINTS

SEE NOTE (2)



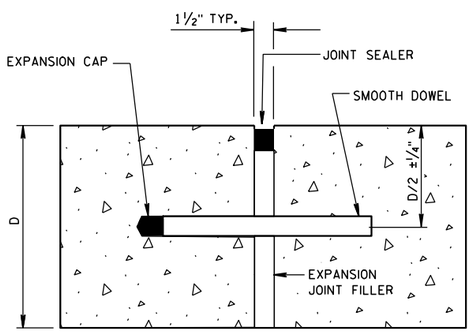
TIED TRANSVERSE
SEE NOTE (3)



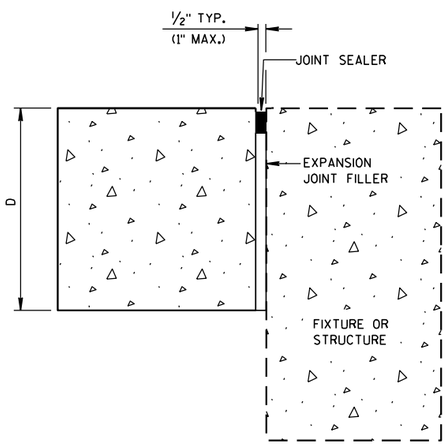
TIED LONGITUDINAL TO EXISTING

CONSTRUCTION JOINTS

SEE NOTE (5)



DOWELED-TRANSVERSE
SEE NOTE (1)



UNTIED-LONGITUDINAL

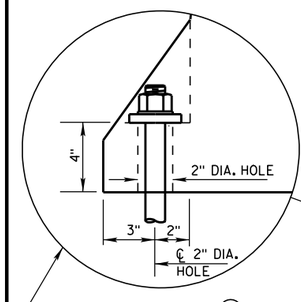
EXPANSION JOINTS

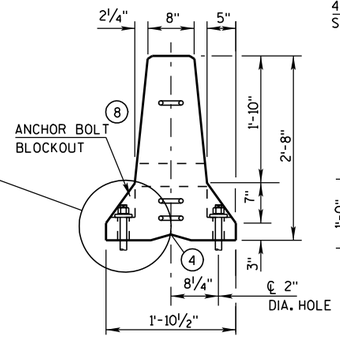
CONCRETE PAVEMENT
JOINT TYPES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

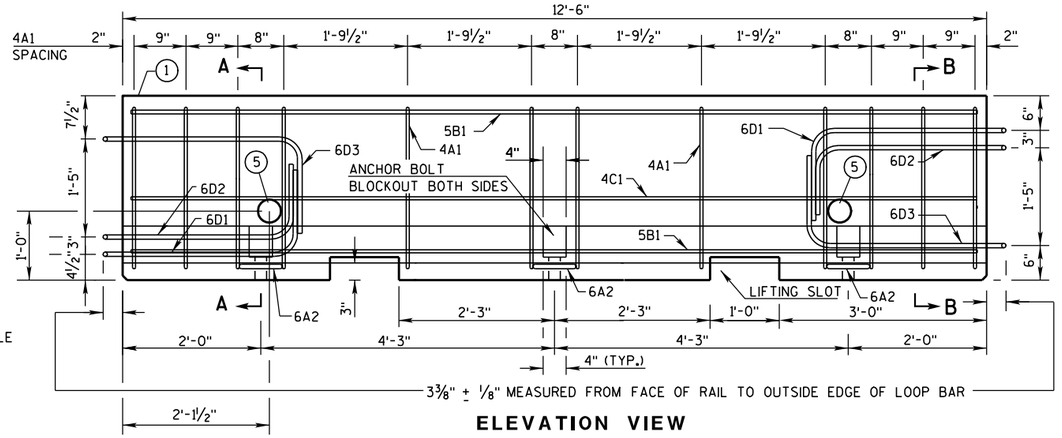
6

S.D.D. 13 C 18-1c

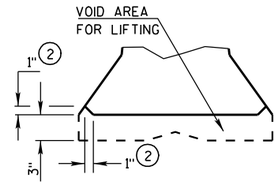




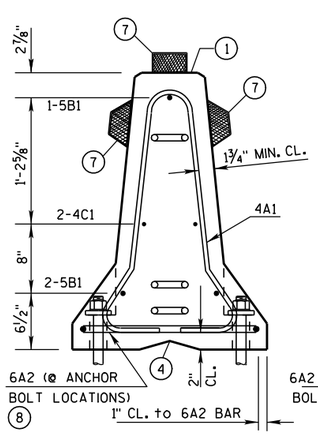
END VIEW



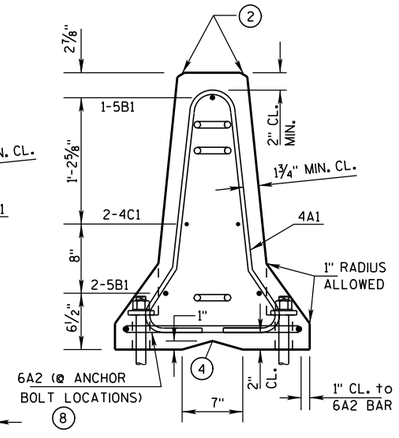
ELEVATION VIEW



DETAIL "B"
LIFTING SLOT DETAIL



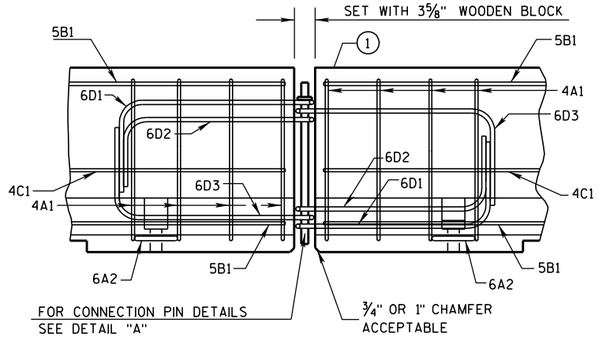
SECTION A-A
(STIRRUP PLACEMENT)



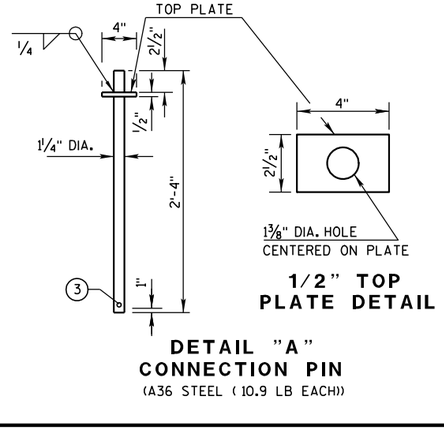
SECTION B-B
(STIRRUP PLACEMENT)

PLAN VIEW

DETAILS OF BARRIER SECTION

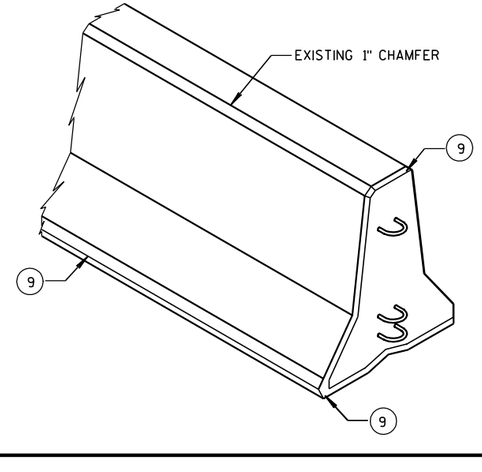


DETAILS OF BARRIER CONNECTION



1/2" TOP PLATE DETAIL

DETAIL "A"
CONNECTION PIN
(A36 STEEL (10.9 LB EACH))



GENERAL NOTES

THESE GENERAL NOTES APPLY TO SHEETS 14B7-13(a) THRU 14B7-13(h).

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 EPOXY 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: WICBTP
- 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.

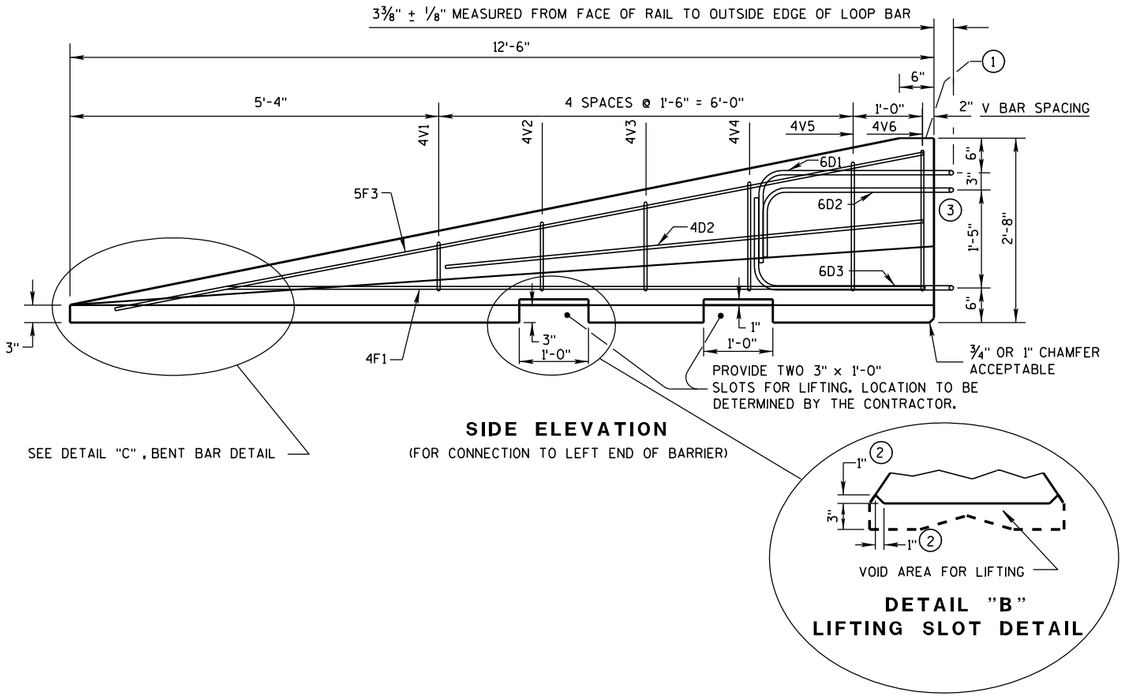
(7) USE DELINEATORS CONFORMING TO SECTION 633 OF THE STANDARD SPECIFICATIONS. CONTRACTOR MAY USE ALTERNATE SHAPES AND HOUSING. INSTALL DELINEATORS ACCORDING TO MANUFACTURES INSTRUCTION. INSTALL YELLOW REFLECTORS WHEN BARRIER IS LOCATED TO THE LEFT OF TRAFFIC AND WHITE REFLECTORS WHEN BARRIER IS LOCATED 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 ANCHORING CRITERIA.

(9) 1" CHAMFER OPTIONAL.

CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"

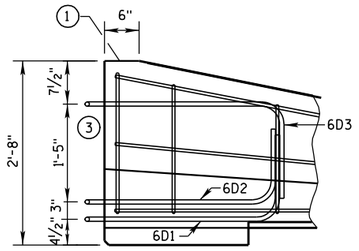
STATE OF WISCONSIN
DEPARTMENT OF TRANSPO...



SIDE ELEVATION

(FOR CONNECTION TO LEFT END OF BARRIER)

DETAIL "B"
LIFTING SLOT DETAIL



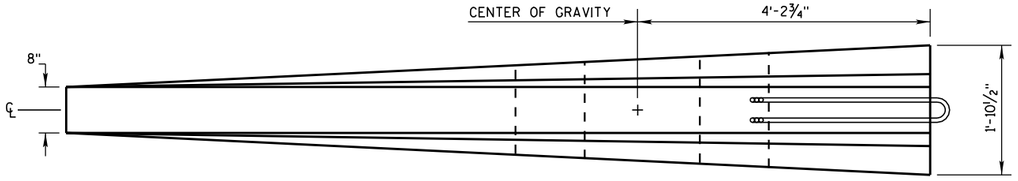
SIDE ELEVATION

LOOP BAR ASSEMBLY INVERTED FOR OPPOSITE END.

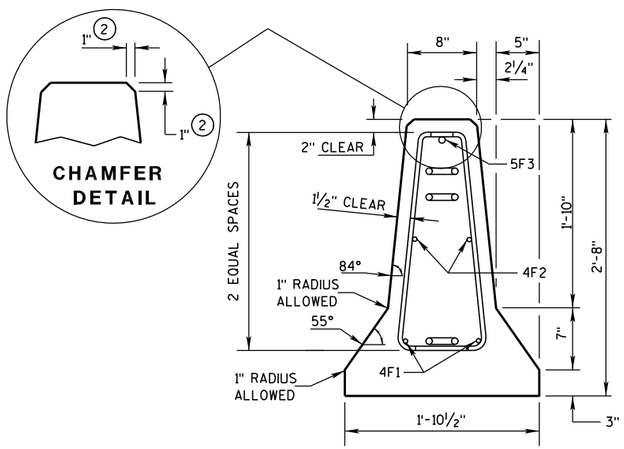
(FOR CONNECTION TO RIGHT END OF BARRIER)

GENERAL NOTES

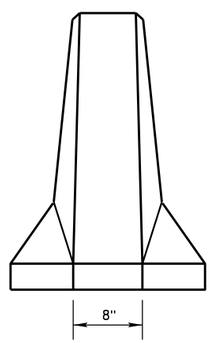
1. MARK ONE END OF EACH BARRIER PERMANENTLY BY FORMING INTO THE BARRIER THE FOLLOWING INFORMATION:
   a. TYPE WICBTP
   b. MANUFACTURER
   c. DATE MANUFACTURED (MONTH AND YEAR)
2. 1" CHAMFER TO PREVENT SPALLING.
3. NEVER USE LOOP BARS (6D1, 6D2 OR 6D3) TO LIFT, MOVE OR REPOSITION THE BARRIER.



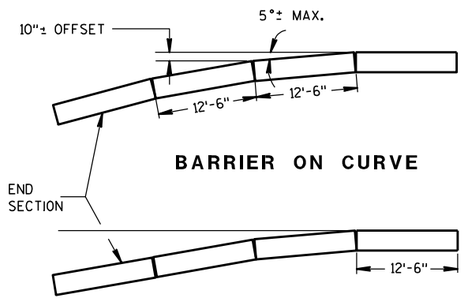
PLAN VIEW



END SECTION



FRONT ELEVATION



BARRIER ON CURVE

FLARE AT BARRIER END

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 TRANSPORTATION

6

S.D.D. 14 B 7-13b

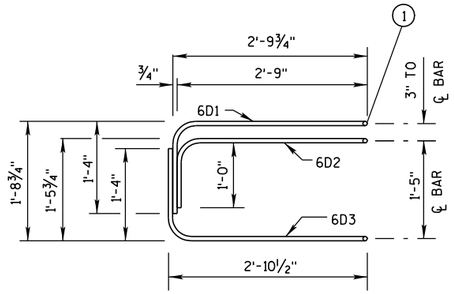
6

S.D.D. 14 B 7-13b

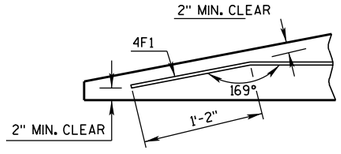
BARRIER TAPER SECTION BILL OF MATERIALS

(PER 12'-6" BARRIER TAPER SECTION)

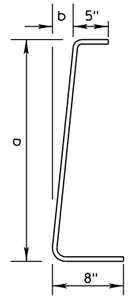
BAR	BAR SIZE	NO. OF BARS	LENGTH FT.
4V1	4	2	1'-11"
4V2	4	2	2'-2"
4V3	4	2	2'-6"
4V4	4	2	2'-9"
4V5	4	2	3'-2"
4V6	4	2	3'-4"
4F1	4	2	12'-0"
4F2	4	2	7'-6"
5F3	5	1	11'-9"
LOOP ASSEMBLY			
6D1	6	1	8'-5"
6D2	6	1	7'-7"
6D3	6	1	8'-6"



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

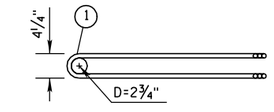
GENERAL NOTES

(1) NEVER USE LOOP BARS (6D1, 6D2 OR 6D3) TO LIFT, MOVE OR REPOSITION THE BARRIER.

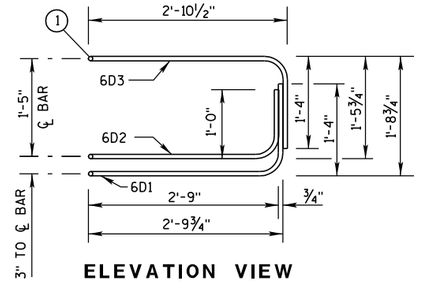
BARRIER SECTION BILL OF MATERIALS

(PER 12'-6" BARRIER SECTION)

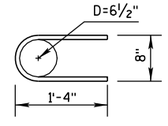
BAR	BAR SIZE	NO. OF BARS	LENGTH FT.
4A1	4	12	6'-0"
6A2	6	6	2'-11"
5B1	5	3	12'-2"
4C1	4	2	12'-2"
LOOP ASSEMBLY			
6D1	6	2	8'-5"
6D2	6	2	7'-7"
6D3	6	2	8'-6"



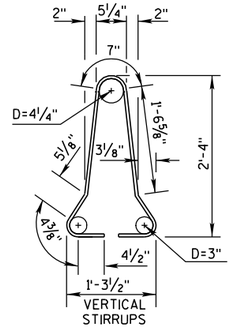
PLAN VIEW
LOOP BAR ASSEMBLY
(MARKED END SHOWN, INVERT FOR OTHER END)



ELEVATION VIEW



6A2



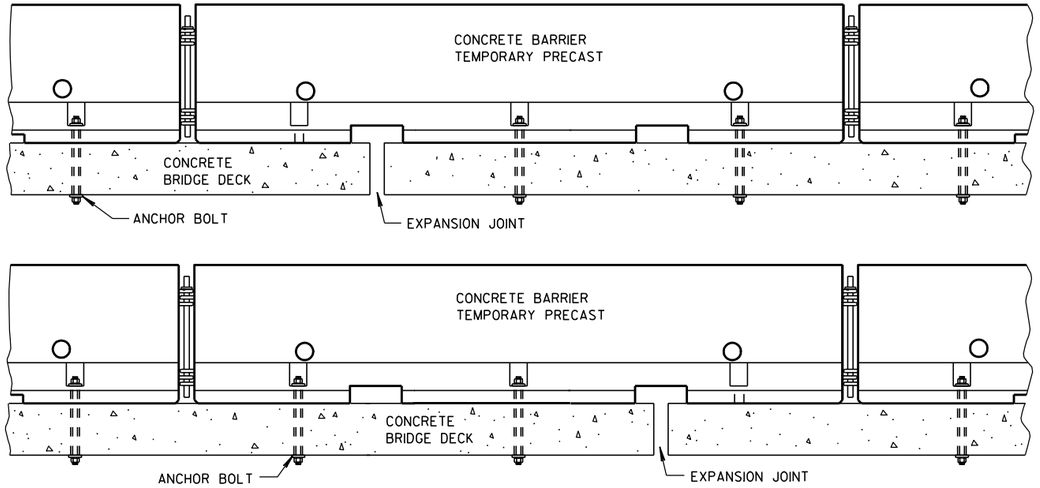
4A1

BARRIER SECTION

CONCRETE BARRIER
TEMPORARY PRECAST, 12'-6"

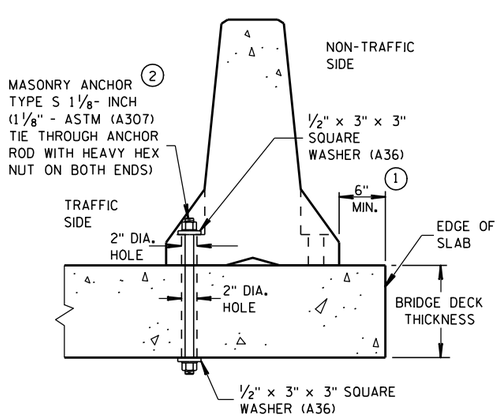
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6
S.D.D. 14 B 7-13c



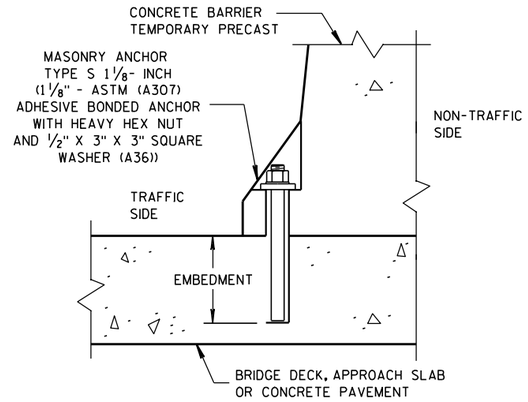
TREATMENT AT BRIDGE DECK EXPANSION JOINTS

(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.)



THROUGH BOLTED ANCHOR INSTALLATION ON BRIDGE DECK

(DO NOTUSE ON CONCRETE BRIDGE DECK WITH ASPHALT OVERLAY)



REMOVABLE ADHESIVE BONDED ANCHOR INSTALLATION ON CONCRETE BRIDGE DECK, CONCRETE APPROACH SLAB, OR CONCRETE PAVEMENT

2

(DO NOT USE ON CONCRETE WITH AN ASPHALTIC OVERLAY)

GENERAL NOTES

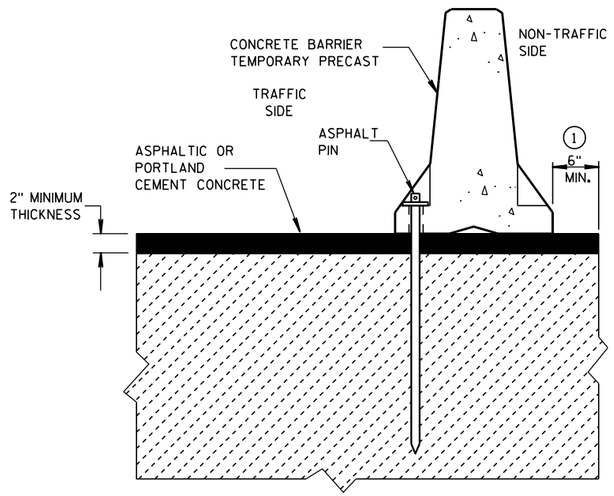
1. CONCRETE BARRIER TEMPORARY PRECAST, 12'-6" SHALL BE ANCHORED IF:
   THE DISTANCE TO A 2 FOOT OR GREATER DROPOFF THAT IS STEEPER THAN 3H : 1V, FOR EXAMPLE THE EDGE OF A BRIDGE DECK OR A DROPOFF AT THE EDGE OF PAVEMENT, IS LESS THAN 4 FEET FROM THE SIDE OF THE BARRIER CLOSEST TO THE DROPOFF AND THE POSTED SPEED IS 45 MPH OR GREATER, OR

   THE DISTANCE TO A 2 FOOT OR GREATER DROPOFF THAT IS STEEPER THAN 3H : 1V, FOR EXAMPLE THE EDGE OF A BRIDGE DECK OR A DROPOFF AT THE EDGE OF PAVEMENT. IS LESS THAN 2 FEET FROM THE SIDE OF THE BARRIER CLOSEST TO THE DROPOFF AND THE POSTED SPEED IS 40 MPH OR LESS.

2. ANCHORING IS INCIDENTAL TO CONCRETE BARRIER TEMPORARY PRECAST.

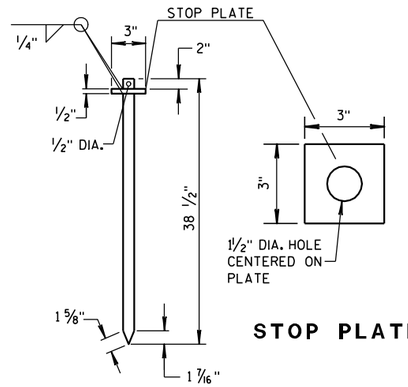
   WITH THE APPROVAL OF THE ENGINEER, REMOVABLE ADHESIVE BONDED (EPOXY) ANCHOR BOLT INSTALLATION MAY BE USED IN LIEU OF THROUGH BOLTED ANCHOR INSTALLATION. THE ADHESIVE BONDED ANCHOR BOLT MUST BE REMOVABLE. USE ASTM (A307) MASONRY ANCHORS TYPE S 1⅛-INCH, EMBEDDED TO A DEPTH SUFFICIENT TO DEVELOP THE ULTIMATE CAPACITY OF THE ANCHOR BOLT AND PROVIDE DOCUMENTATION TO CONFIRM THIS.

   UPON REMOVAL OR RELOCATION OF THE BARRIER UNITS, REMOVE ALLANCHOR BOLTS AND COMPLETELY FILL IN THE REMAINING HOLES IN CONCRETE BRIDGE DECKS, CONCRETE APPROACH SLABS AND CONCRETE PAVEMENTS THAT ARE TO REMAIN, WITH A NON-SHRINK COMMERICAL GROUT OR EPOXY MATERIAL IDENTIFIED ON THE CURRENT WISDOT APPROVED PRODUCTS LIST.



STAKE DOWN INSTALLATION FOR ASPHALTIC OR PORTLAND CEMENT CONCRETE SURFACE

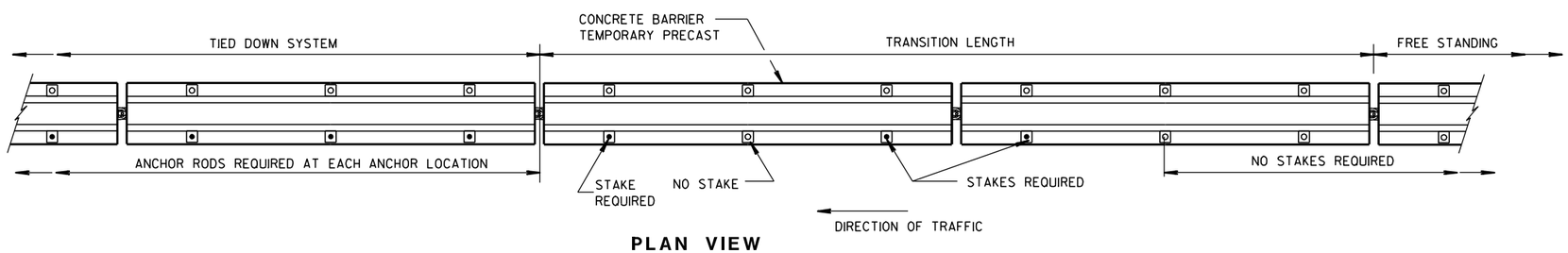
(STAKING IS INCIDENTAL TO CONCRETE BARRIER TEMPORARY PRECAST)



STOP PLATE

ASPHALT PIN

(ASTM A36 STEEL)



PLAN VIEW

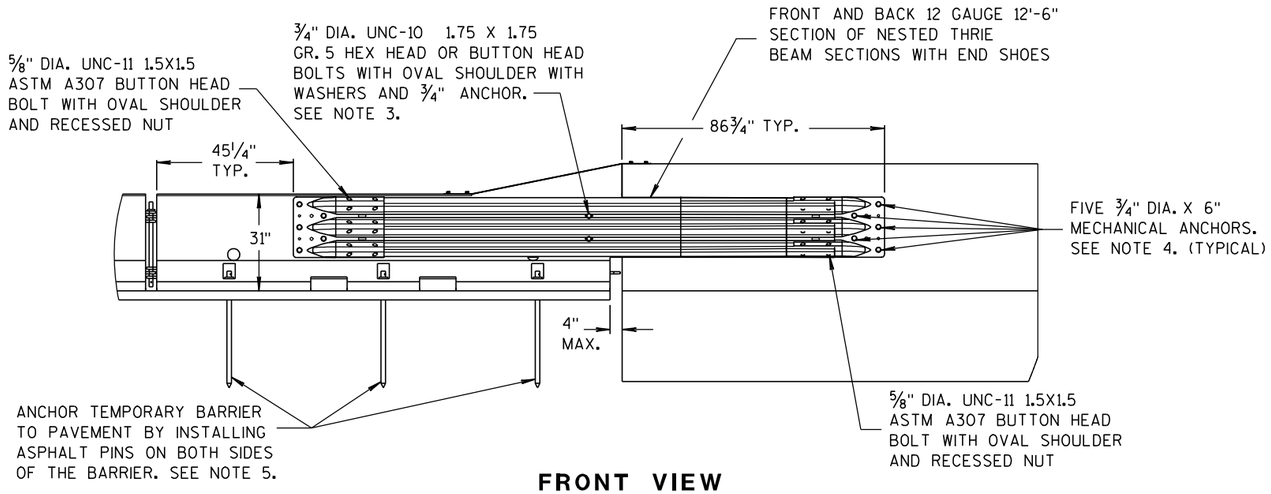
FREE STANDING TRANSITION TO TIED-DOWN SYSTEM

(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 TRANSPO...

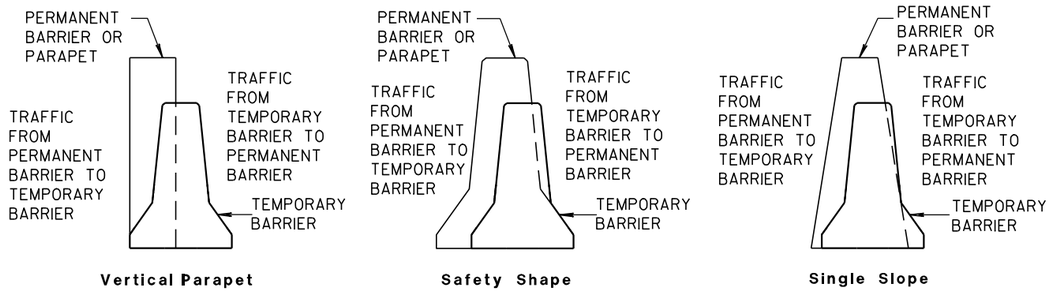
6
S.D.D. 14 B 7-13d



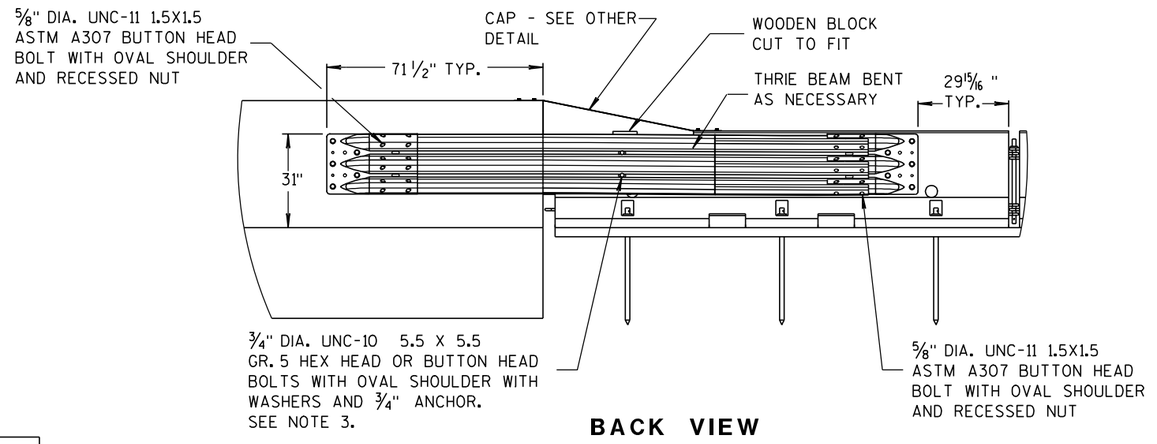
FRONT VIEW

NOTES

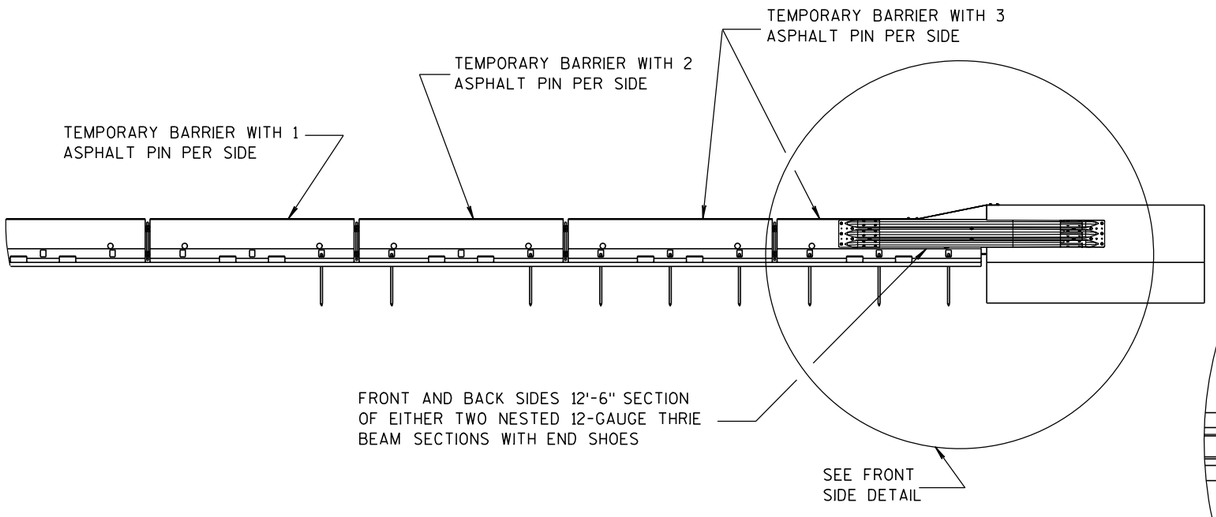
1. CAP END PLATE PLACED FLUSH WITH UPSTREAM END OF PERMANENT BARRIER OR PARAPET.
2. THRIE BEAM PIECES ARE OFFSET 15 1/4" TO PREVENT INTERFERENCE FROM THE ANCHORS ON OPPOSING SIDES.
3. MINIMUM MECHANICAL OR EPOXY ANCHOR STRENGTH REQUIREMENTS: ULTIMATE TENSILE LOAD 9.48 KIPS AND ULTIMATE SHEAR LOAD 10.48 KIPS.
4. MINIMUM MECHANICAL OR EPOXY 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 EPOXY ANCHOR STRENGTH REQUIREMENTS: ULTIMATE TENSILE LOAD 12.14 KIPS AND ULTIMATE SHEAR LOAD 17.5 KIPS.



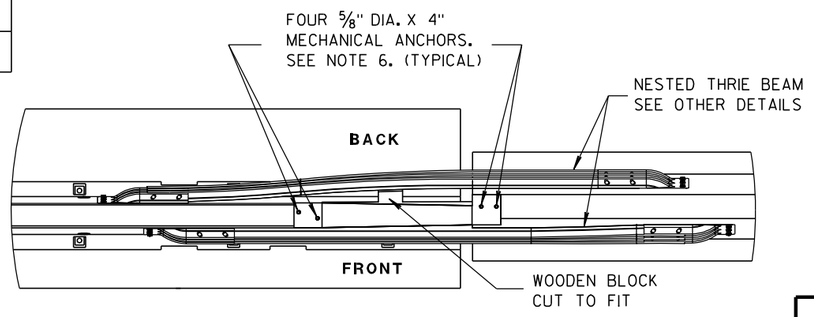
TEMPORARY BARRIER PLACEMENT FOR BI-DIRECTIONAL TRANSITION TO TIED-DOWN SYSTEM



BACK VIEW



FRONT VIEW



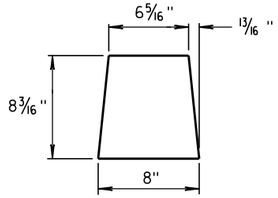
PLAN VIEW

BI-DIRECTIONAL TRANSITION TO TIED-DOWN SYSTEM

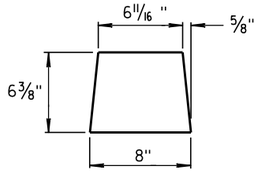
CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

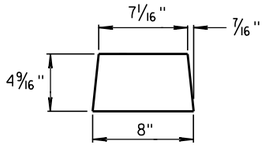
6
S.D.D. 14 B 7-13e



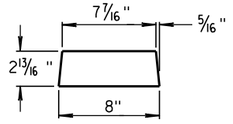
GUSSET 1



GUSSET 2

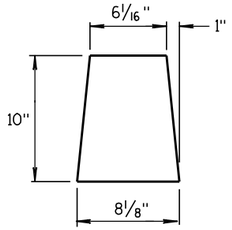


GUSSET 3

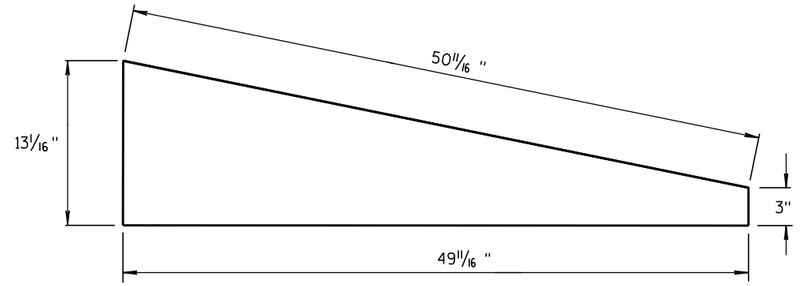


GUSSET 4

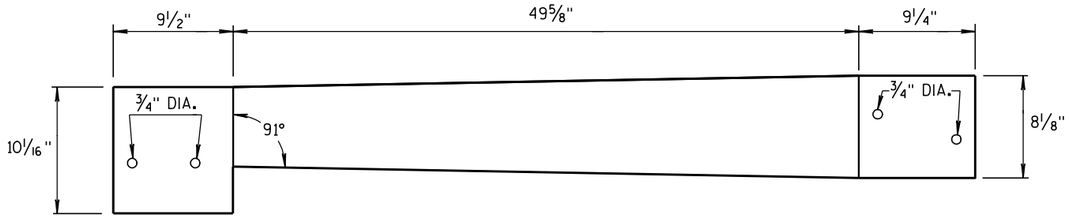
GUSSETS

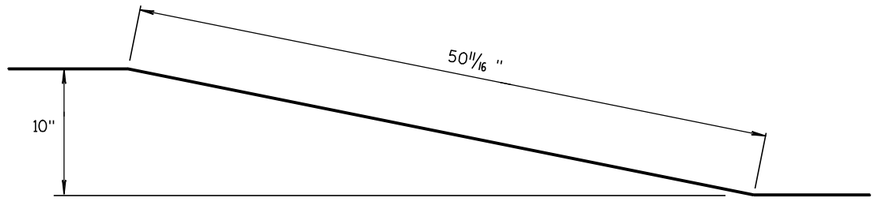


END PLATE

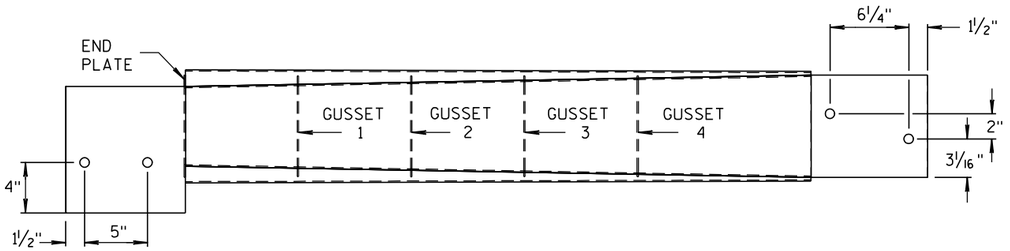


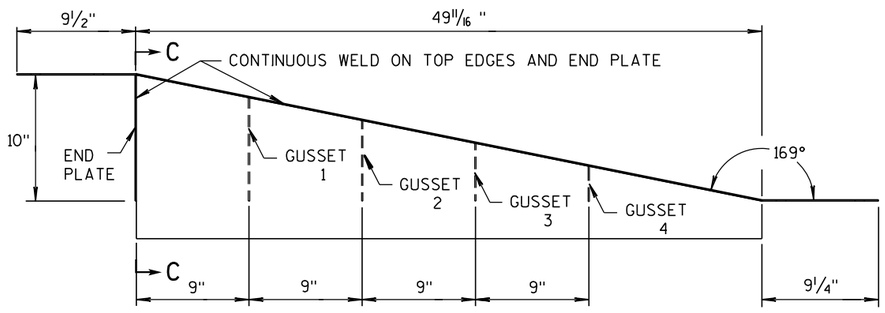
SIDE PLATE

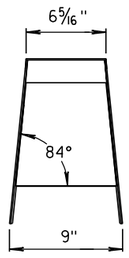




TOP PLATE







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.

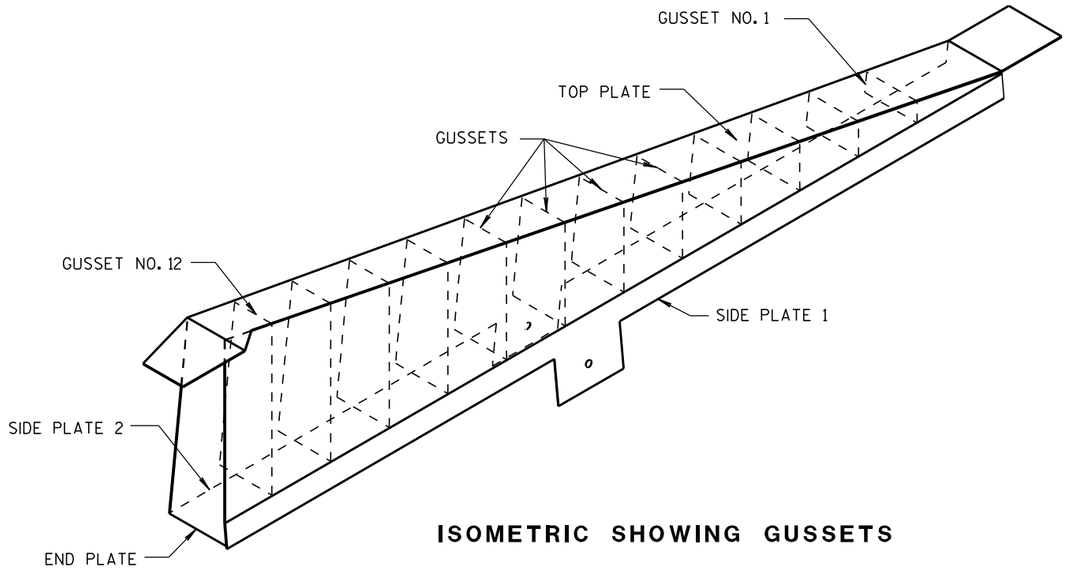
CAP DETAILS FOR TEMPORARY CONCRETE BARRIER TO 42" PERMANENT CONCRETE BARRIER

SIDE, TOP AND END PLATES FOR CAP FROM TEMPORARY CONCRETE BARRIER TO 42" PERMANENT CONCRETE BARRIER

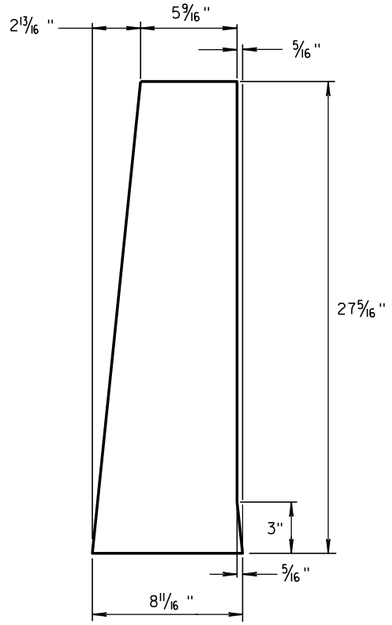
SIDE PLATES, TOP PLATE, END PLATE AND GUSSETS ARE 12 GAUGE ASTM A36 GALVANIZED STEEL.

CONCRETE BARRIER
TEMPORARY PRECAST, 12'-6"

STATE OF WISCONSIN
DEPARTMENT OF TRANSPO...

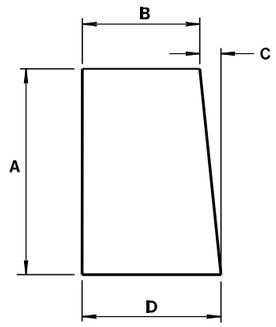


ISOMETRIC SHOWING GUSSETS



END PLATE

1/8" STEEL PLATE



GUSSETS 1 - 12

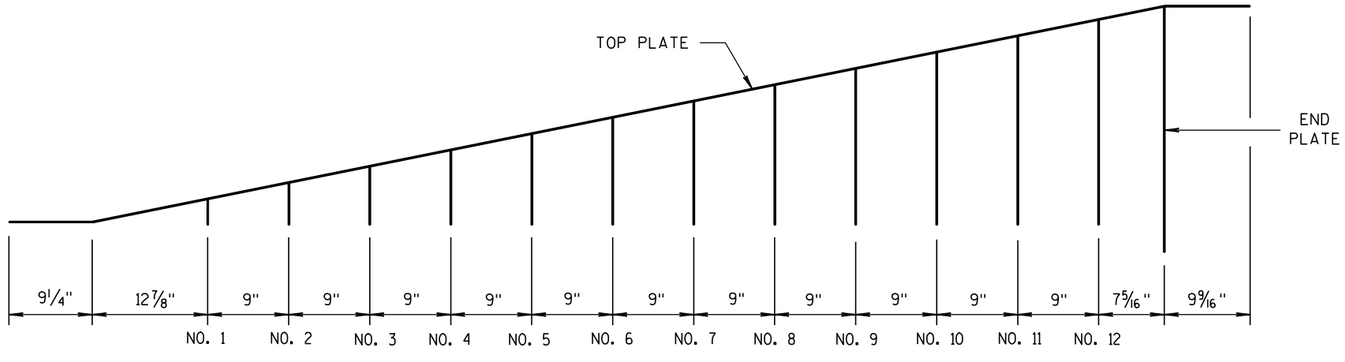
ALL GUSSETS 1/8" STEEL PLATE

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

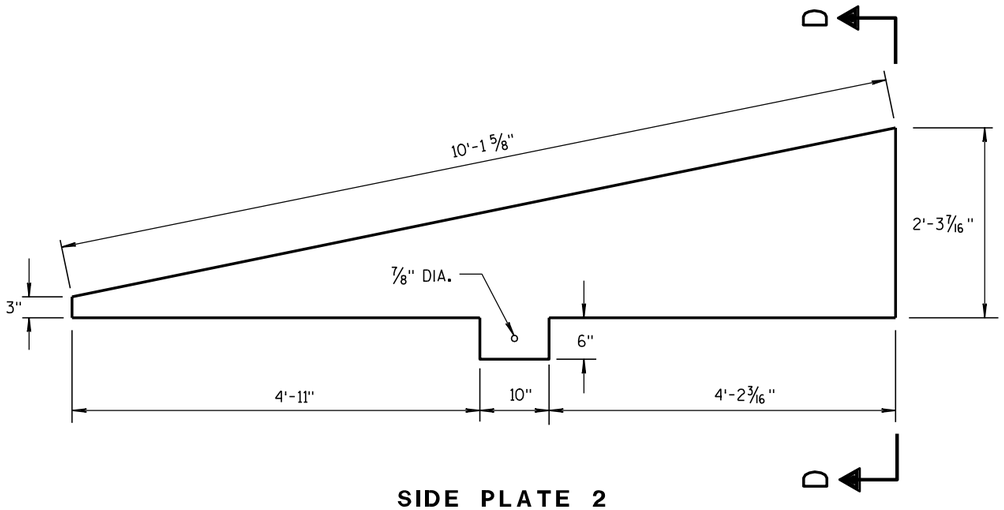
CAP DETAILS FOR TEMPORARY CONCRETE BARRIER TO 56" PERMANENT CONCRETE BARRIER

CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"

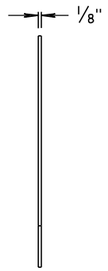
STATE OF WISCONSIN
DEPARTMENT OF TRANSPO...

6

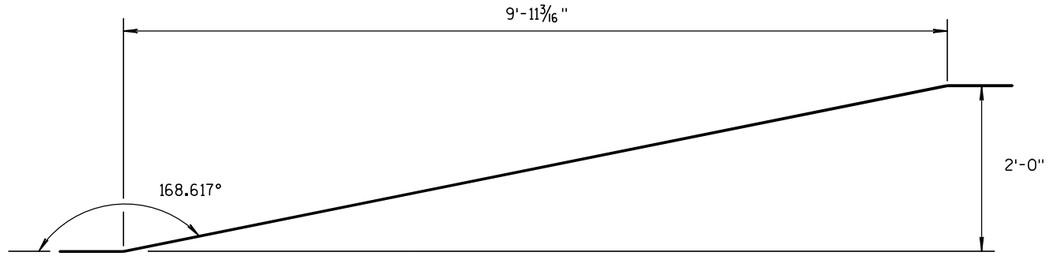
S.D.D. 14 B 7-13g



SIDE PLATE 2

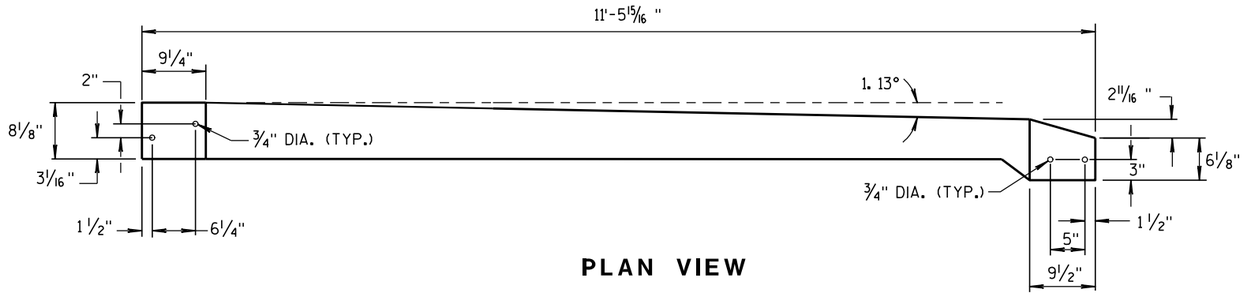


END VIEW



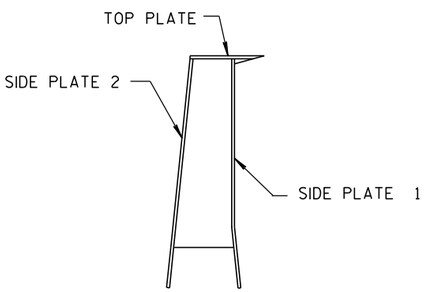
SIDE VIEW

TOP PLATE

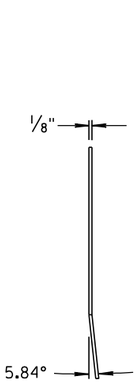


PLAN VIEW

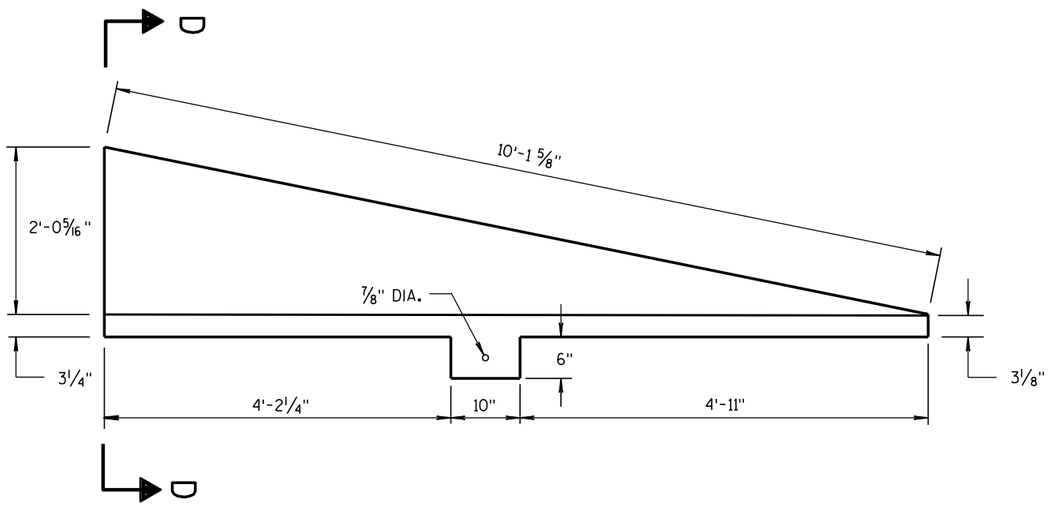
TOP PLATE



SECTION D-D



END VIEW



SIDE PLATE 1

CAP DETAILS FOR TEMPORARY CONCRETE BARRIER TO 56" PERMANENT CONCRETE BARRIER

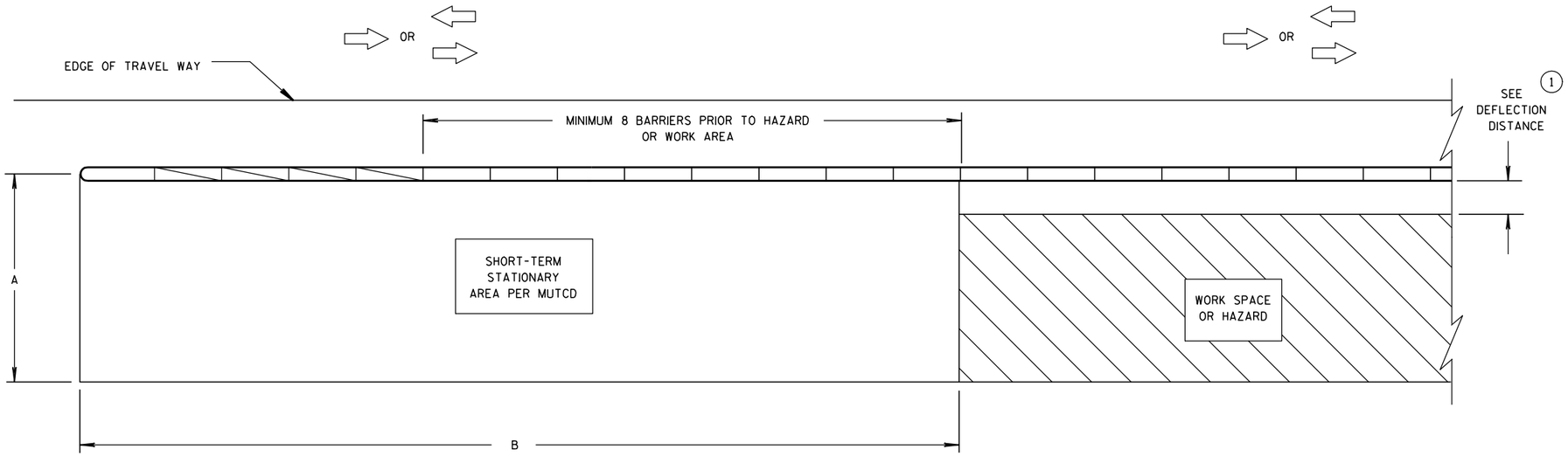
CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION
APPROVED 8/31/2012 DATE /S/ Jerry H. ROADWAY STANDARDS ENGINEER 569 ENT FHWA

6

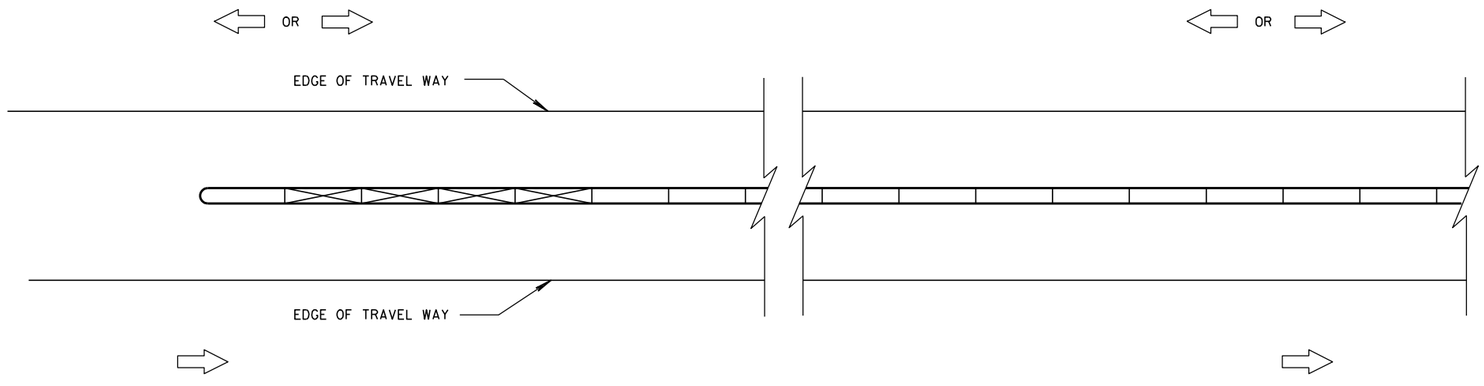
S.D.D. 14 B 7-13h

6

S.D.D. 14 B 7-13h



CRASH CUSHION/SAND BARREL ARRAY AND TEMPORARY BARRIER INSTALLATION FOR TRAFFIC ON ONE SIDE OF BARRIER



CRASH CUSHION/SAND BARREL ARRAY AND TEMPORARY BARRIER INSTALLATION FOR TRAFFIC ON BOTH SIDES 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

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.

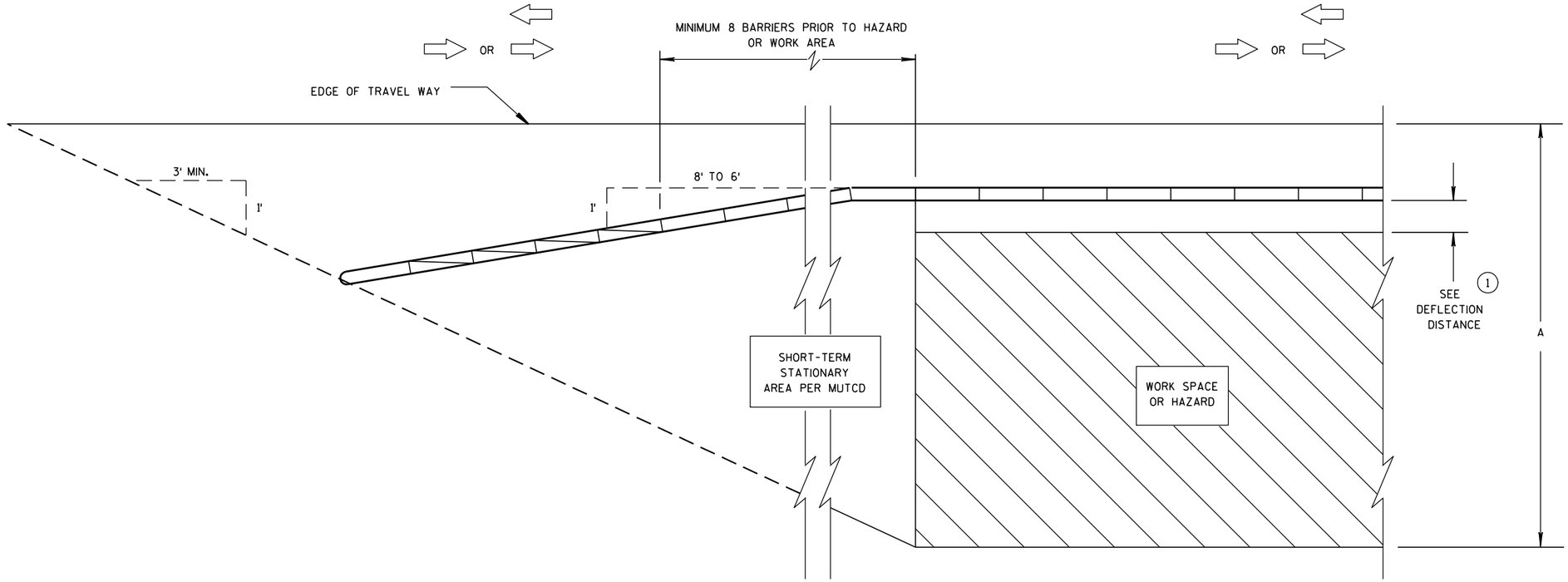
(2) VALUES PROVIDED MAY NOT FIT ALL POSSIBLE SITUATIONS OR SITE CONDITIONS. SEE OTHER SECTIONS OF THE CONTRACT OR PROJECT ENGINEER FOR MORE DETAILS.

CRASH CUSHION/SAND BARREL ARRAY AND OTHER TEMPORARY BARRIER LAYOUT DETAILS

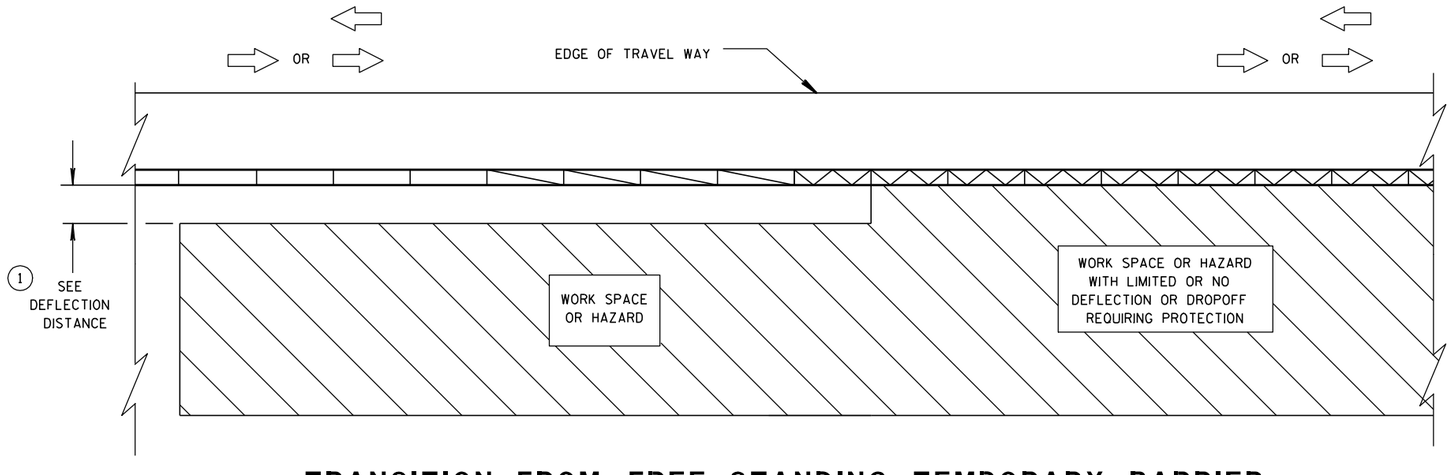
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

S.D.D. 14 B 8-1a



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

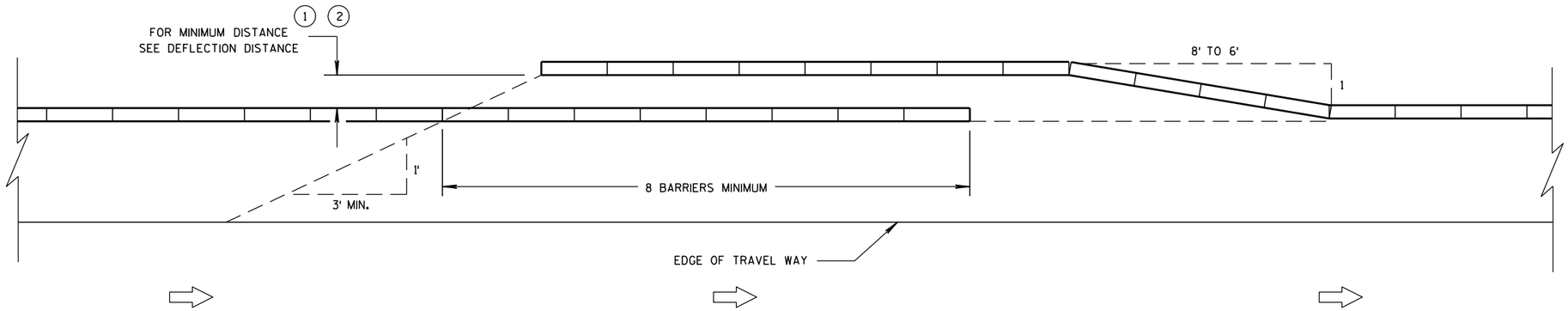
- DIRECTION OF TRAVEL
- CRASH CUSHION OR SAND BARREL ARRAY
- SEE FREE STANDING TRANSITION TO TIED-DOWN SYSTEM DETAILS
- SEE BI-DIRECTIONAL TRANSITION TO TIED-DOWN SYSTEM DETAILS
- 3 PINS PLACED ON TRAFFIC SIDE OF BARRIER
- PERMANENT CONCRETE BARRIER OR CONCRETE PARAPET
- FREE STANDING TEMPORARY BARRIER

CRASH CUSHION/SAND BARREL ARRAY AND OTHER TEMPORARY BARRIER LAYOUT DETAILS

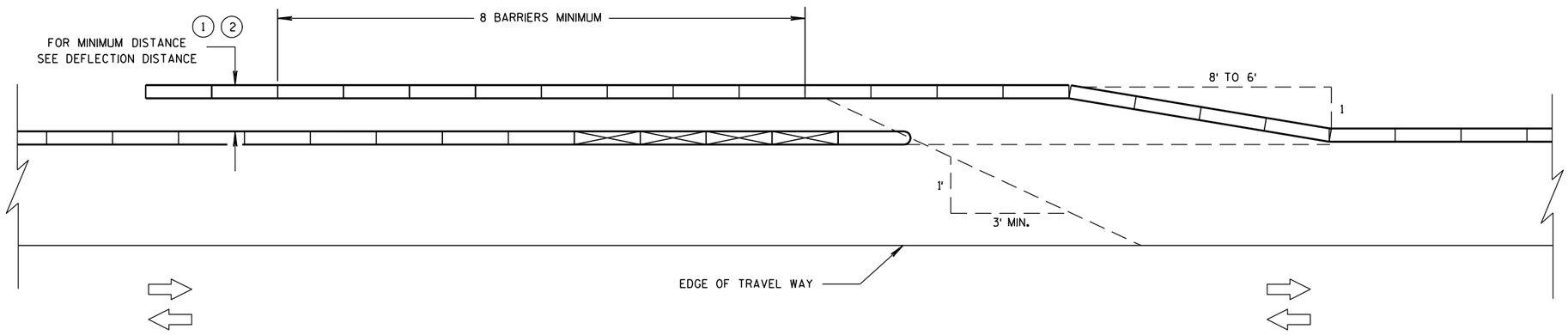
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

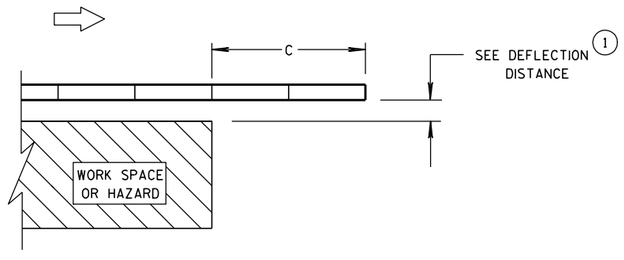
S.D.D. 14 B 8-1b



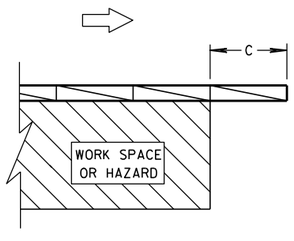
TEMPORARY BARRIER OVERLAP - ONE-WAY TRAFFIC



TEMPORARY BARRIER OVERLAP - TWO-WAY TRAFFIC



ENDING TEMPORARY BARRIER DOWNSTREAM - UNANCHORED



ENDING TEMPORARY BARRIER DOWNSTREAM - ANCHORED

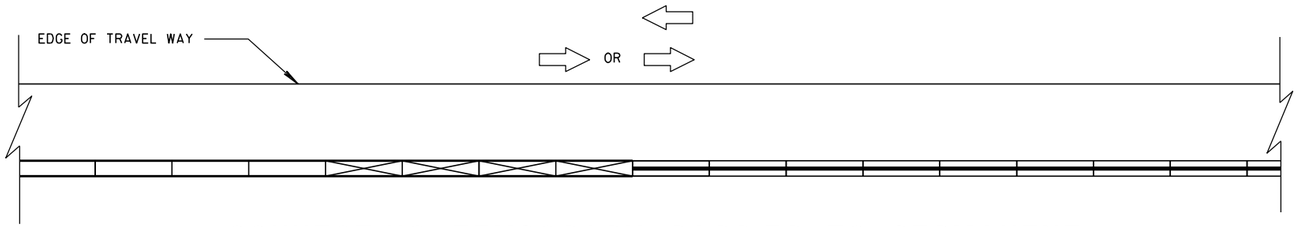
LEGEND

- 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

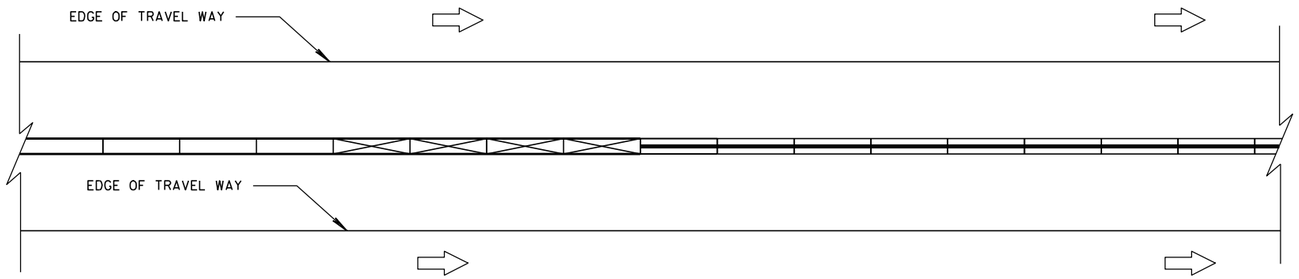
CRASH CUSHION/SAND BARREL ARRAY AND OTHER TEMPORARY BARRIER LAYOUT DETAILS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6
S.D.D. 14 B 8-1c



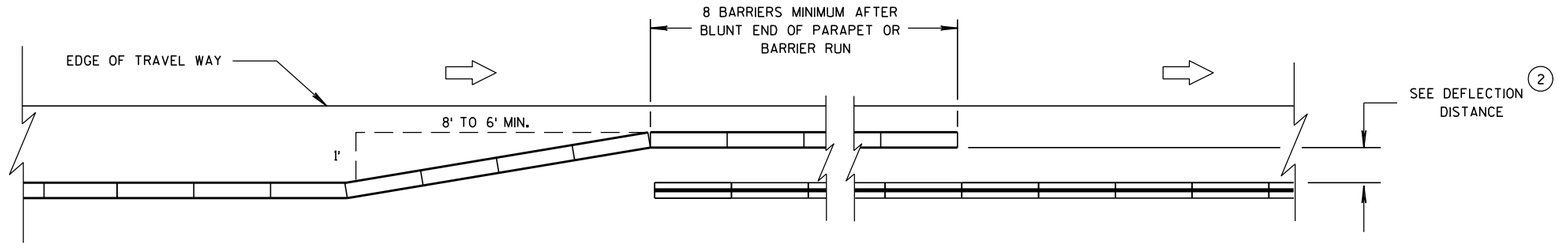
CONNECTING TEMPORARY BARRIER TO PERMANENT CONCRETE BARRIER-TRAFFIC ON ONE SIDE



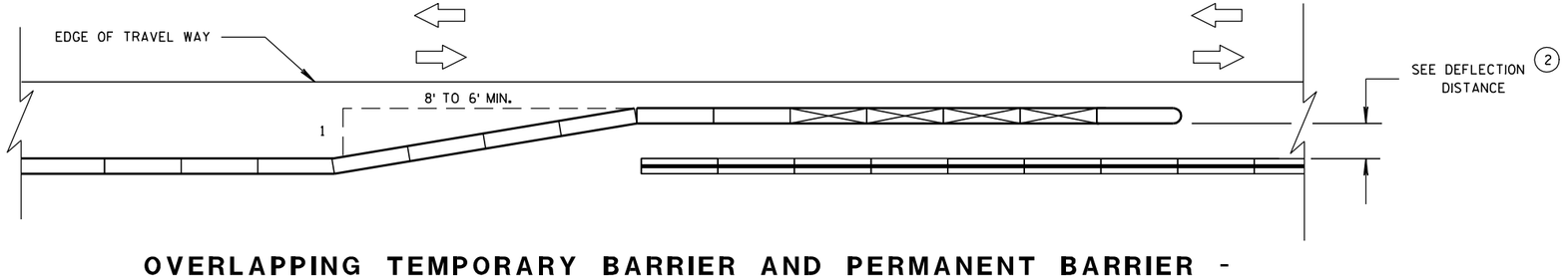
CONNECTING TEMPORARY BARRIER TO PERMANENT CONCRETE BARRIER-TRAFFIC ON BOTH SIDES

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 TRANSPORTATION

6
S.D.D. 14 B 8-1d

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

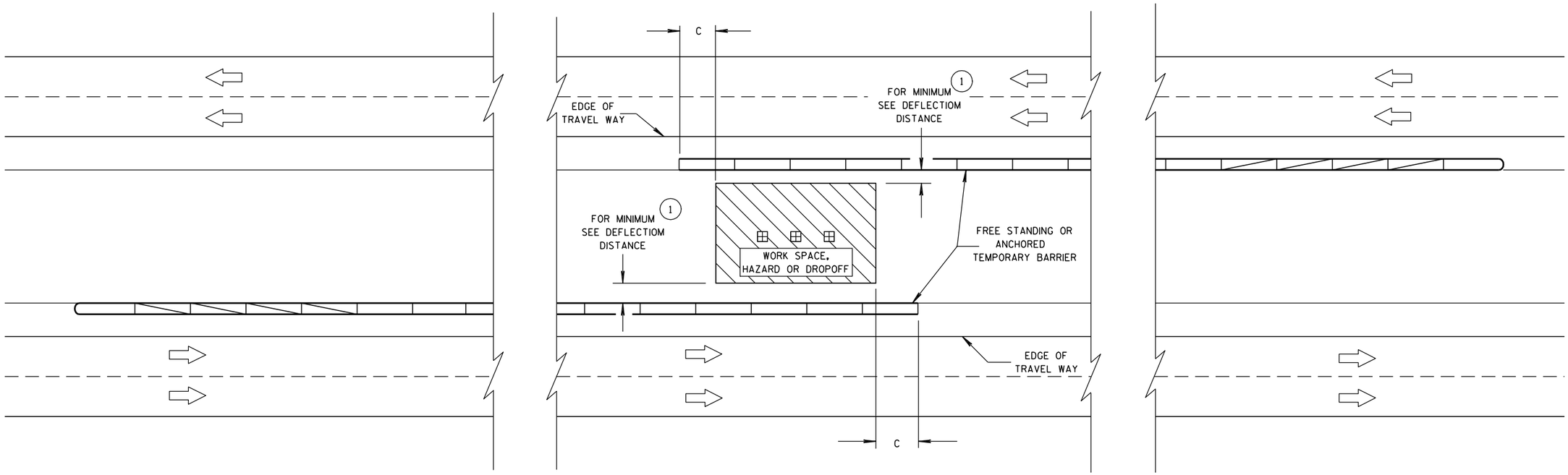
3 PINS PLACED ON TRAFFIC SIDE OF BARRIER

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

8/31/2012
DATE

/S/ Jerry H. Zogg
ROADWAY STANDARDS ENGINNER

574

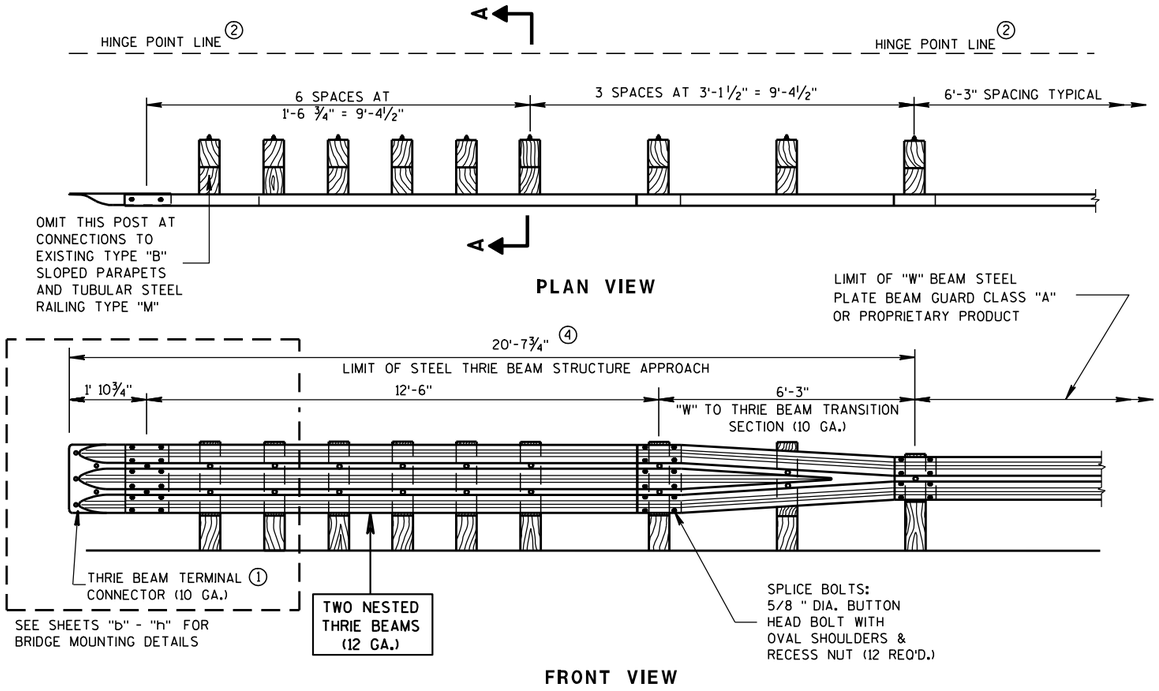
FHWA

6

S.D.D. 14 B 8-1e

6

S.D.D. 14 B 8-1e



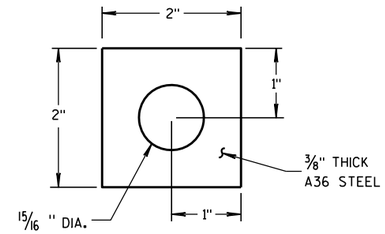


PLATE WASHER DETAIL

GENERAL NOTES

BOLT THE THRIE BEAM TO ALL POSTS AND BLOCKOUTS. DRILL OR PUNCH BOLT HOLES IN THE BEAM IF THE POST SPACING IS LESS THAN 6'-3".

DO NOT USE STEEL POSTS AND NOTCHED PLASTIC BLOCKOUTS IN THE STEEL THRIE BEAM STRUCTURAL APPROACH AND THE TRANSITION SECTION OF STEEL PLATE BEAM GUARD, CLASS "A" INSTALLATIONS.

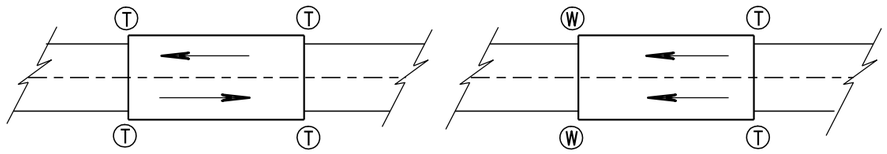
IF ROCK IS ENCOUNTERED, REMOVE ROCK TO FULL DEPTH OF POST PLUS 2 1/2" , AND 12" DIAMETER AROUND POST. SEE 14B15 FOR MORE DETAILS.

① BRIDGE RAILING TYPE "W" DOES NOT REQUIRE A TERMINAL CONNECTOR.

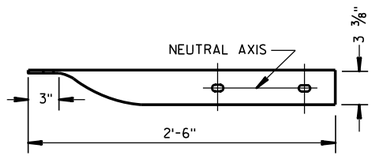
② MINIMUM EMBEDMENT SHALL BE 4'-0". WHERE EXISTING CONDITIONS DO NOT PERMIT THE APPROPRIATE EARTHWORK SHOWN ON THE PLAN TYPICAL SECTIONS OR DETAILS, THE ENGINEER MAY ALLOW THE REDUCTION OR ELIMINATION OF THE 2 FOOT DISTANCE TO THE HINGE POINT. OTHERWISE BUILD AS THE PLAN SHOWS OR AS THE ENGINEER DIRECTS. IF THE 2 FOOT DISTANCE TO THE HINGE POINT IS REDUCED OR ELIMINATED, INCREASE THE POST EMBEDMENT DEPTH TO 4'-6" OR MORE.

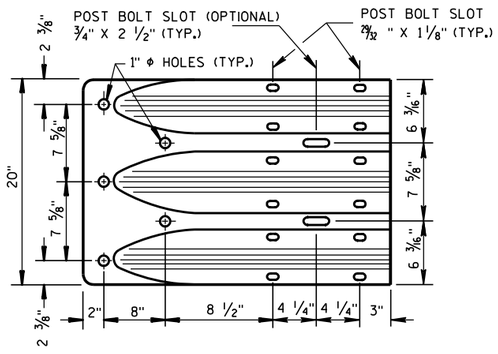
③ POST BOLTS ARE 5/8" DIAMETER ASTM A307 BUTTON HEAD BOLT. A POST BOLT REQUIRES A 5/8" DIAMETER A563A DOUBLE RECESSED (DR) HEAVY HEX AND A 5/8" DIAMETER F844 FLAT WASHER. LENGTH OF POST BOLT MAY VARY.

④ ALL WOOD POSTS MUST BE 6" X 8" AND AT LEAST 7'-0" LONG.

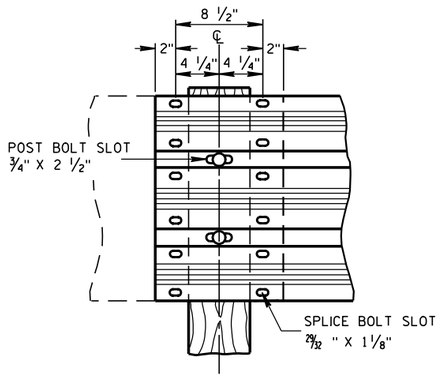


TYPICAL LOCATIONS OF THRIE BEAM AND W-BEAM CONNECTIONS TO BRIDGE

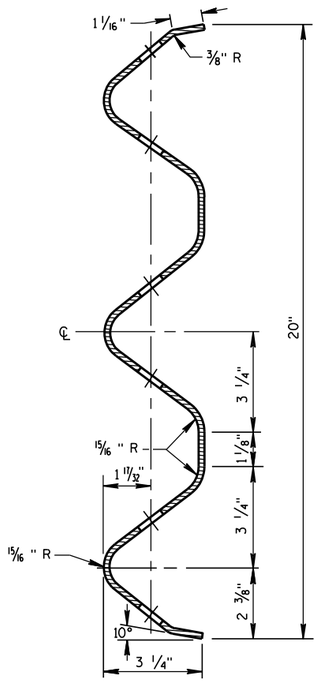




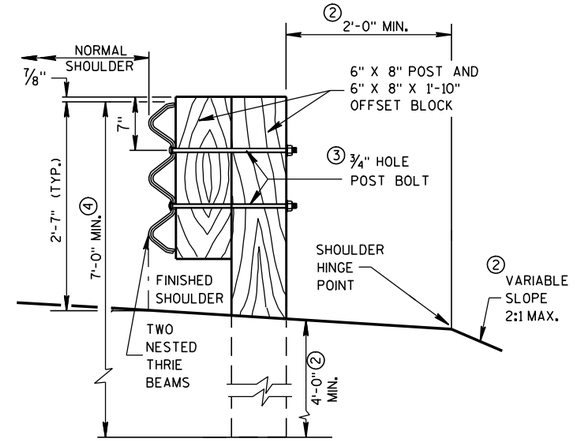
THRIE BEAM TERMINAL CONNECTOR



THRIE BEAM SPLICE



SECTION THRU THRIE BEAM RAIL ELEMENT



SECTION A-A

STEEL THRIE BEAM STRUCTURE APPROACH

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

8/31/2012
DATE

/S/ Jerry H. Zogg
ROADWAY STANDARDS DEVELOPMENT ENGINEER

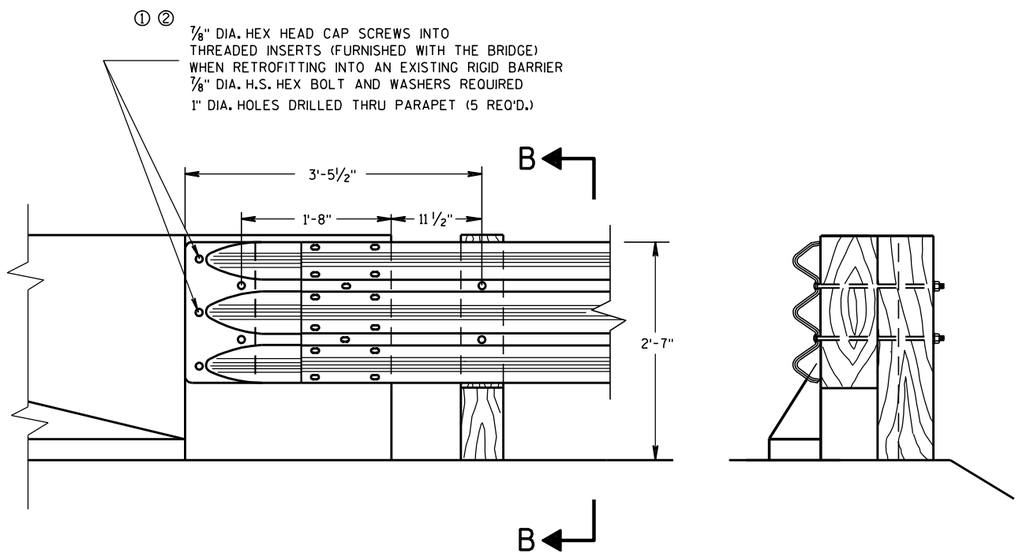
FHWA

6

S.D.D. 14 B 20-11a

6

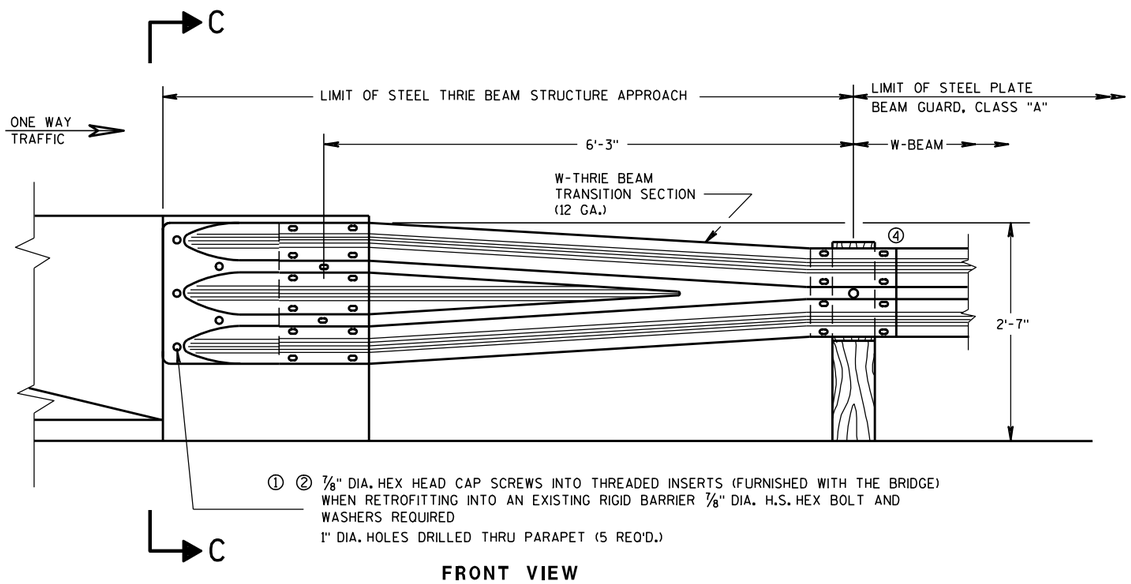
S.D.D. 14 B 20-11a



FRONT VIEW

SECTION B-B

THRIE BEAM CONNECTION TO BRIDGE PARAPET WITH SQUARE ENDS



① ② ⅞" DIA. HEX HEAD CAP SCREWS INTO THREADED INSERTS (FURNISHED WITH THE BRIDGE) WHEN RETROFITTING INTO AN EXISTING RIGID BARRIER ⅞" DIA. H.S. HEX BOLT AND WASHERS REQUIRED
1" DIA. HOLES DRILLED THRU PARAPET (5 REQ'D.)

FRONT VIEW

W BEAM TRANSITION AND CONNECTION TO BRIDGE PARAPETS WITH SQUARE ENDS

(USE ONLY ON THE TRAFFIC EXIT END OF ONE WAY BRIDGES)

GENERAL NOTES

THESE ARE TYPICAL CONNECTION DETAILS. ADJUST THE POSTION OF CONNECTIONS TO EXISTING BRIDGES TO FIT THE ACTUAL BRIDGE AND SITE DIMENSIONS.

BOLTS, NUTS AND WASHERS SHALL CONFORM TO ASTM A325, A449 AND GALVANIZED PER STANDARD SPECIFICATIONS 614.

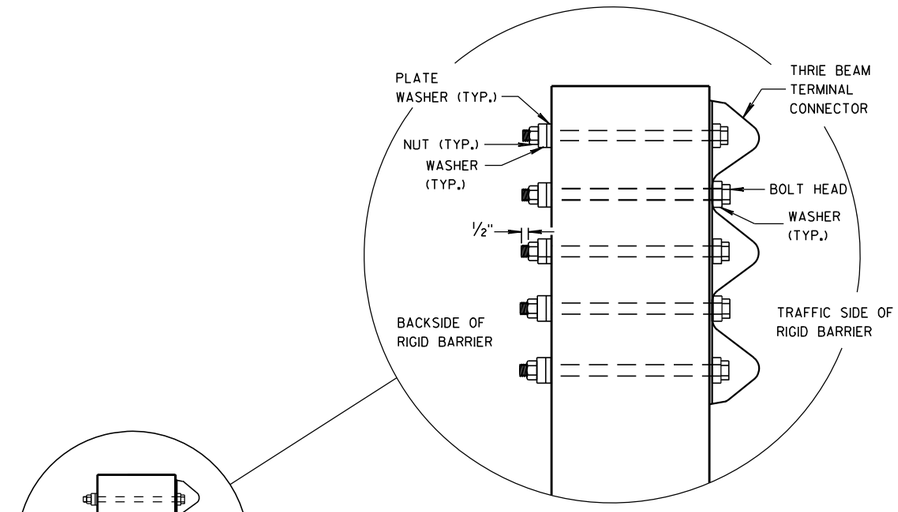
① DRILLING BOLT HOLES THROUGH THE PARAPET, BOLTS, NUTS, WASHERS AND REPAIRING DAMAGED CONCRETE ARE INCIDENTAL TO THE CONTRACT.

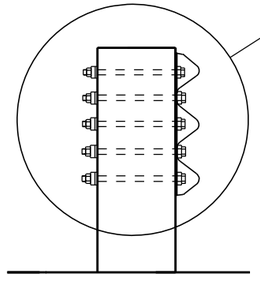
② BOLTS MAY BE A325 BOLTS OR A449 BOLTS. BOLT LENGTH AND THREADING LENGTH ARE TO ALLOW FOR A TIGHT CONNECTION BETWEEN RIGID BARRIER AND THRIE BEAM CONNECTION PLATE. CONTRACTOR IS TO FIELD VERIFY BOLT LENGTH AND THREAD LENGTH. ONE ROUND WASHER REQUIRED BETWEEN BOLT HEAD AND THRIE BEAM TERMINAL CONNECTOR. BOLTS THAT EXTEND THROUGH THE PARAPET AND OUT THE BACK FACE REQUIRE A HARDENED ROUND STEEL WASHER THAT IS 2" O.D. X ⅝" THICK AND ONE PLATE WASHER. REPAIR ANY DAMAGED CONCRETE FROM BOLT INSTALLATION.

③ THE RECESS FOR A W-BEAM CONNECTION, WHICH EXISTS ON SOME PARAPETS OF THIS TYPE, SHALL BE FILLED WITH A TREATED TIMBER BLOCKOUT. BLOCKOUT SIZE IS 1'-6" X 2'-0" X 3 ½".

④ W6 X 9 OR W6 X 8.5 STEEL POSTS AND NOTCHED PLASTIC BLOCKOUTS ARE ACCEPTABLE ALTERNATIVES FOR 6" X 8" WOOD POST WITH WOOD OR PLASTIC BLOCKOUTS. USE APPROVED NOTCHED PLASTIC BLOCKOUTS WITH STEEL POSTS.

DO NOT USE STEEL POSTS AND NOTCHED PLASTIC BLOCKOUTS IN THE STEEL THRIE BEAM STRUCTURAL APPROACH AND THE TRANSITION SECTION OF STEEL PLATE BEAM GUARD, CLASS "A" INSTALLATIONS.





SECTION C-C

STEEL THRIE BEAM STRUCTURE APPROACH, CONNECTION TO SQUARE END PARAPETS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

8/31/2012
DATE

/S/ Jerry H. Zogg
ROADWAY STANDARDS DEVELOPMENT ENGINEER

FHWA

6

S.D.D. 14 B 20-11b

6

S.D.D. 14 B 20-11b

GENERAL NOTES

THESE ARE TYPICAL CONNECTION DETAILS. ADJUST THE POSTION OF CONNECTIONS TO EXISTING BRIDGES TO FIT THE ACTUAL BRIDGE AND SITE DIMENSIONS.

BOLTS, NUTS AND WASHERS SHALL CONFORM TO ASTM A325, A449 AND GALVANIZED PER STANDARD SPECIFICATIONS 614.

① DRILLING BOLT HOLES THROUGH THE PARAPET, BOLTS, NUTS, WASHERS AND REPAIRING DAMAGED CONCRETE ARE INCIDENTAL TO THE CONTRACT.

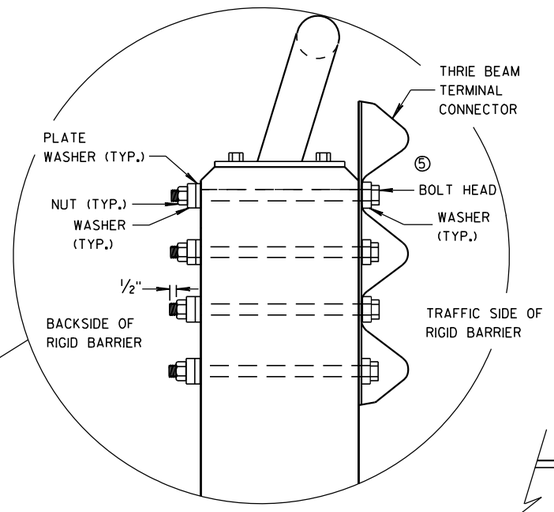
② BOLTS MAY BE A325 BOLTS OR A449 BOLTS. BOLT LENGTH AND THREADING LENGTH ARE TO ALLOW FOR A TIGHT CONNECTION BETWEEN RIGID BARRIER AND THRIE BEAM CONNECTION PLATE. CONTRACTOR IS TO FIELD VERIFY BOLT LENGTH AND THREAD LENGTH. ONE ROUND WASHER REQUIRED BETWEEN BOLT HEAD AND THRIE BEAM TERMINAL CONNECTOR. BOLTS THAT EXTEND THROUGH THE PARAPET AND OUT THE BACK FACE REQUIRE A HARDENED ROUND STEEL WASHER THAT IS 2" O.D. X ⅝" THICK AND ONE PLATE WASHER. REPAIR ANY DAMAGED CONCRETE FROM BOLT INSTALLATION.

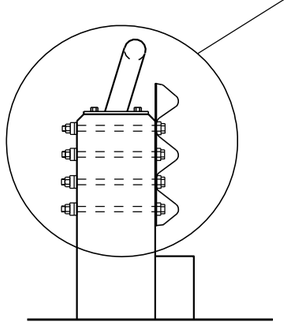
③ THE RECESS FOR A W-BEAM CONNECTION, WHICH EXISTS ON SOME PARAPETS OF THIS TYPE, SHALL BE FILLED WITH A TREATED TIMBER BLOCKOUT. BLOCKOUT SIZE IS 1'-6" X 2'-0" X 3 ½".

④ W6 X 9 OR W6 X 8.5 STEEL POSTS AND NOTCHED PLASTIC BLOCKOUTS ARE ACCEPTABLE ALTERNATIVES FOR 6" X 8" WOOD POST WITH WOOD OR PLASTIC BLOCKOUTS. USE APPROVED NOTCHED PLASTIC BLOCKOUTS WITH STEEL POSTS.

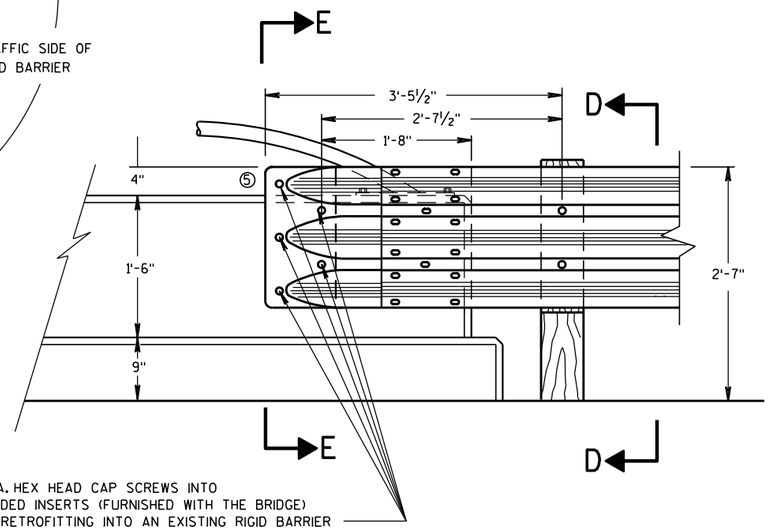
⑤ BOLT, NUT AND WASHERS NOT REQUIRED FOR THIS LOCATION WHEN RETROFITTING AN EXISTING PAPAPET AND THE HOLE IS EITHER ABOVE PARAPET OR WITHIN 4 INCHES OF THE EDGE OF PARAPET.

DO NOT USE STEEL POSTS AND NOTCHED PLASTIC BLOCKOUTS IN THE STEEL THRIE BEAM STRUCTURAL APPROACH AND THE TRANSITION SECTION OF STEEL PLATE BEAM GUARD, CLASS "A" INSTALLATIONS.





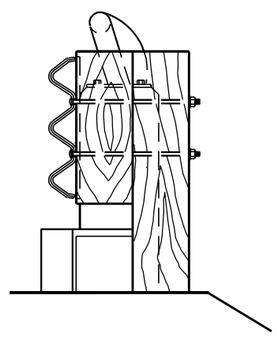
SECTION E-E



① ② ⅞" DIA. HEX HEAD CAP SCREWS INTO THREADED INSERTS (FURNISHED WITH THE BRIDGE) WHEN RETROFITTING INTO AN EXISTING RIGID BARRIER ⅞" DIA. H.S. HEX BOLT AND WASHERS REQUIRED

1" DIA. HOLES DRILLED THRU PARAPET (4 REQ'D.)

FRONT VIEW

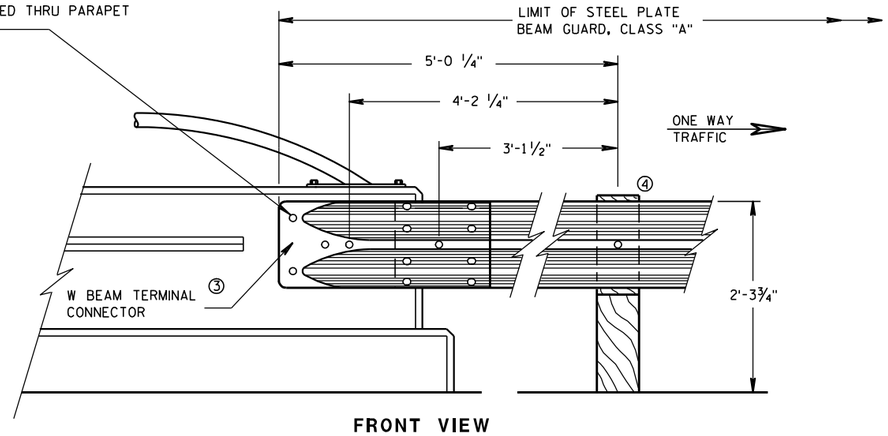


SECTION D-D

THRIE BEAM CONNECTION TO VERTICAL FACED PARAPETS

① ② ⅞" DIA. HEX HEAD CAP SCREWS INTO THREADED INSERTS (FURNISHED WITH THE BRIDGE) WHEN RETROFITTING INTO AN EXISTING RIGID BARRIER ⅞" DIA. H.S. HEX BOLT AND WASHERS REQUIRED

1" DIA. HOLES DRILLED THRU PARAPET (4 REQ'D.)



FRONT VIEW

W BEAM CONNECTION TO VERTICAL FACE PARAPET

(USE ONLY ON THE TRAFFIC EXIT END OF ONE WAY BRIDGES)

STEEL THRIE BEAM STRUCTURE APPROACH, CONNECTION TO VERTICAL FACED PARAPETS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

8/31/2012
DATE

/S/ Jerry H. Zaa
ROADWAY STANDARDS [577 ENT
ENGINEER

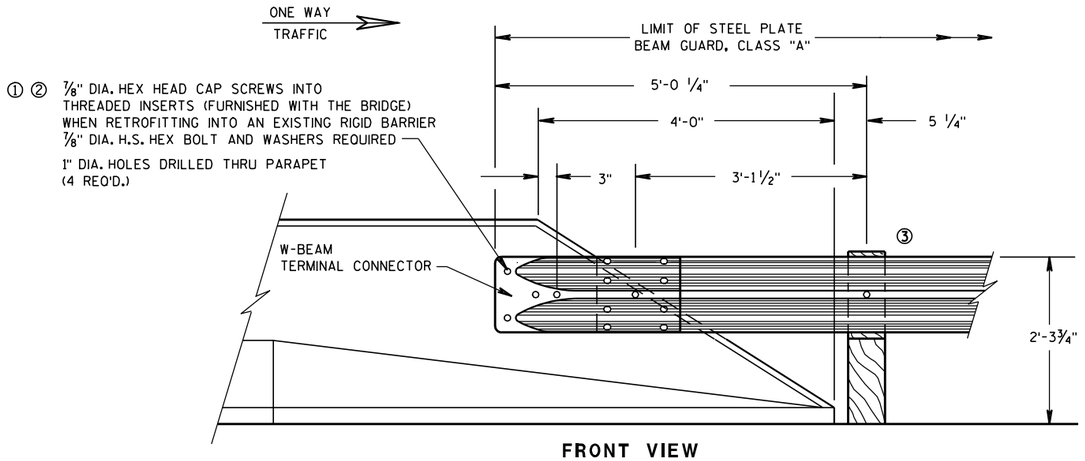
FHWA

6

S.D.D. 14 B 20-11c

6

S.D.D. 14 B 20-11c



FRONT VIEW

W BEAM CONNECTION TO PARAPETS WITH SLOPED ENDS

(USE ONLY AT TRAFFIC EXIT END OF ONE WAY BRIDGE)

GENERAL NOTES

THESE ARE TYPICAL CONNECTION DETAILS. ADJUST THE POSTION OF CONNECTIONS TO EXISTING BRIDGES TO FIT THE ACTUAL BRIDGE AND SITE DIMENSIONS.

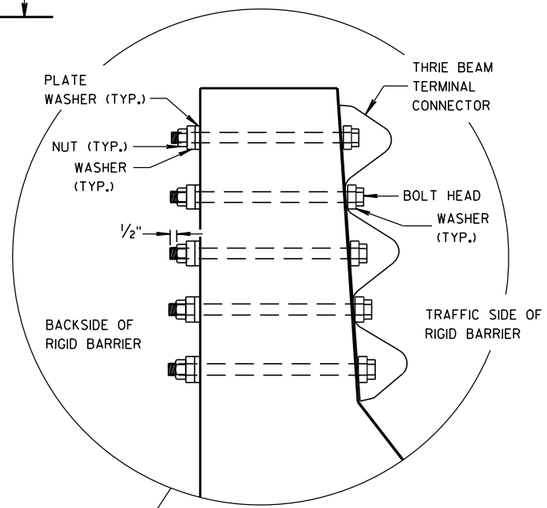
BOLTS, NUTS AND WASHERS SHALL CONFORM TO ASTM A325, A449 AND GALVANIZED PER STANDARD SPECIFICATIONS 614.

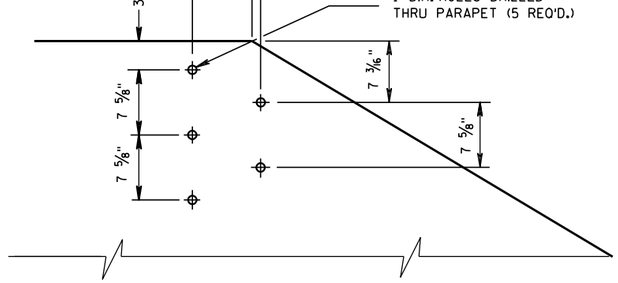
① DRILLING BOLT HOLES THROUGH THE PARAPET, BOLTS, NUTS, WASHERS AND REPAIRING DAMAGED CONCRETE ARE INCIDENTAL TO THE CONTRACT.

② BOLTS MAY BE A325 BOLTS OR A449 BOLTS. BOLT LENGTH AND THREADING LENGTH ARE TO ALLOW FOR A TIGHT CONNECTION BETWEEN RIGID BARRIER AND THRIE BEAM CONNECTION PLATE. CONTRACTOR IS TO FIELD VERIFY BOLT LENGTH AND THREAD LENGTH. ONE ROUND WASHER REQUIRED BETWEEN BOLT HEAD AND THRIE BEAM TERMINAL CONNECTOR. BOLTS THAT EXTEND THROUGH THE PARAPET AND OUT THE BACK FACE REQUIRE A HARDENED ROUND STEEL WASHER THAT IS 2" O.D. X 5/8" THICK AND ONE PLATE WASHER. REPAIR ANY DAMAGED CONCRETE FROM BOLT INSTALLATION.

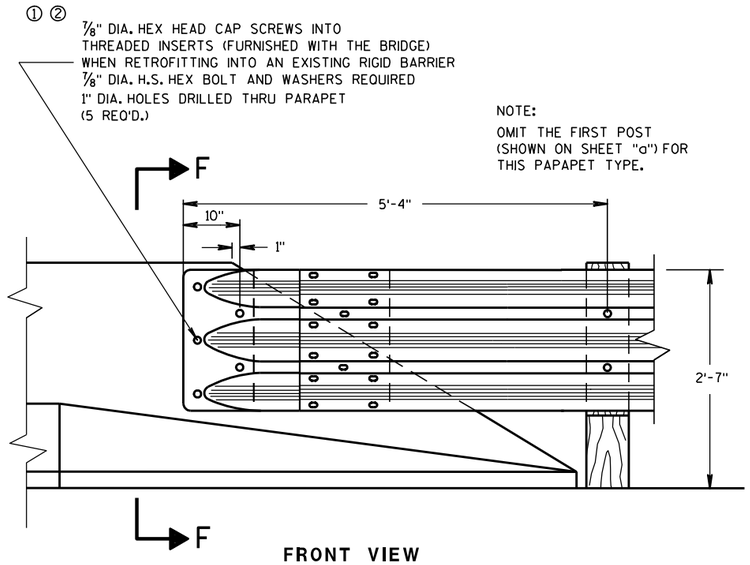
③ W6 X 9 OR W6 X 8.5 STEEL POSTS AND NOTCHED PLASTIC BLOCKOUTS ARE ACCEPTABLE ALTERNATIVES FOR 6" X 8" WOOD POST WITH WOOD OR PLASTIC BLOCKOUTS. USE APPROVED NOTCHED PLASTIC BLOCKOUTS WITH STEEL POSTS.

DO NOT USE STEEL POSTS AND NOTCHED PLASTIC BLOCKOUTS IN THE STEEL THRIE BEAM STRUCTURAL APPROACH AND THE TRANSITION SECTION OF STEEL PLATE BEAM GUARD, CLASS "A" INSTALLATIONS.

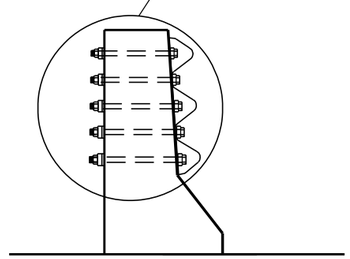




DRILL HOLE LOCATION AND PATTERN FOR THRIE BEAM CONNECTION



FRONT VIEW



SECTION F-F

THRIE BEAM CONNECTION TO BRIDGE PARAPETS WITH SLOPED ENDS

STEEL THRIE BEAM STRUCTURE APPROACH, CONNECTION TO SLOPED END PARAPETS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
8/31/2012 — DATE
/S/ Jerry H. [illegible] — ROADWAY STANDARDS [illegible] ENGINEER
FHWA

GENERAL NOTES

COVER PLATE PANELS ARE 3/16" THICK.

ALL STIFFENERS ARE 1/4" THICK.

CONNECTOR PLATE SHALL BE FABRICATED FROM ASTM GRADE A36 STEEL AND GALVANIZED.

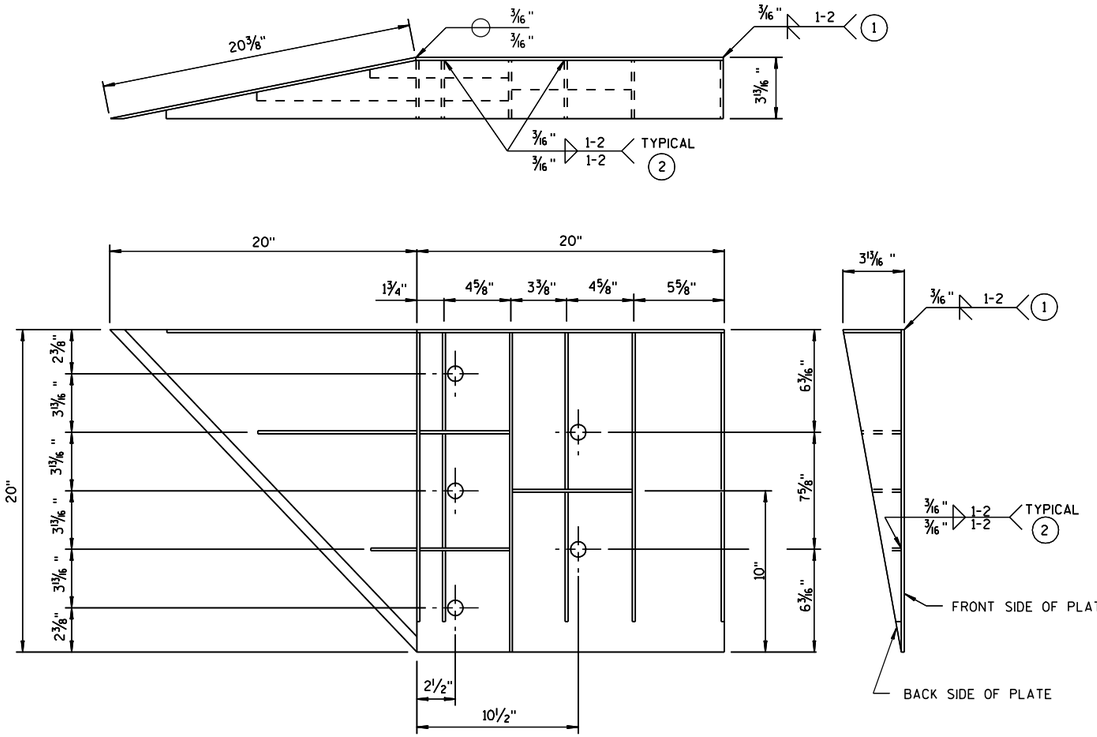
FOR GALVANIZED REQUIREMENTS, SEE SECTION 614 OF THE STANDARD SPECIFICATIONS.

ALL HOLE DIAMETERS SHALL BE 1".

FOR OPPOSITE SIDE INSTALLATION MIRROR DRAWINGS.

(1) STIFFENERS LOCATED AT THE OUTSIDE EDGES OF THE COVER PLATES SHALL BE WELDED AS FOLLOWS:
SINGLE BEVEL GROOVE WELD ON EXTERNAL SIDES AND 3/16" FILLET WELD BY 1" LONG SPACED AT 2" ON INTERNAL SIDES.

(2) STIFFENERS LOCATED ON THE INSIDE OF THE COVER PLATE SHALL BE WELDED AS FOLLOWS:
3/16" FILLET WELD BY 1" LONG SPACED AT 2".



WELDING INSTRUCTION

(VIEWED FROM BACK SIDE OF PLATE)

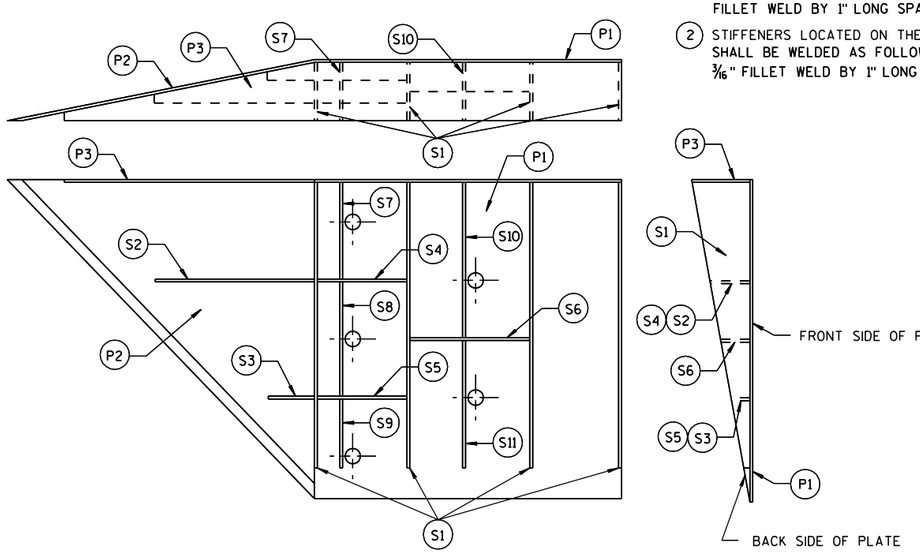


PLATE AND STIFFENER IDENTIFICATION

(VIEWED FROM BACK SIDE OF PLATE)

CONNECTOR PLATE DIMENSION (PER ASSEMBLY)

PLATE	QUANTITY	SHAPE	SIZE (A x B x C x D)	THICKNESS
P1	1		20" x 20"	3/16"
P2	1		20" x 20" x 28 9/16"	3/16"
P3	1		39" x 3 5/8" x 20" x 19 5/16"	3/16"
S1	4		18 7/16" x 3 5/8" x 18 3/4"	1/4"
S2	1		10 1/4" x 2 7/16" x 10 3/8" x 1/2"	1/4"
S3	1		3" x 1 1/16" x 3 1/8" x 1/2"	1/4"
S4	1		6 1/8" x 2 7/16"	1/4"
S5	1		6 1/8" x 1 1/16"	1/4"
S6	1		7 3/4" x 1 3/4"	1/4"
S7	1		2 9/16" x 6" x 3 5/8" x 5 7/8"	1/4"
S8	1		1 5/32" x 7 1/2" x 2 1/2" x 7 3/8"	1/4"
S9	1		6 1/16" x 6 3/16" x 1 3/32"	1/4"
S10	1		1 7/8" x 9 7/8" x 3 5/8" x 9 11/16"	1/4"
S11	1		8 1/2" x 8 3/4" x 1 13/16"	1/4"

STEEL THRIE BEAM STRUCTURE APPROACH

STEEL THRIE BEAM STRUCTURE APPROACH, CONNECTOR PLATE DETAIL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
8/31/2012 — DATE
/S/ Jerry H. [illegible] — ROADWAY STANDARDS ENGINEER
FHWA

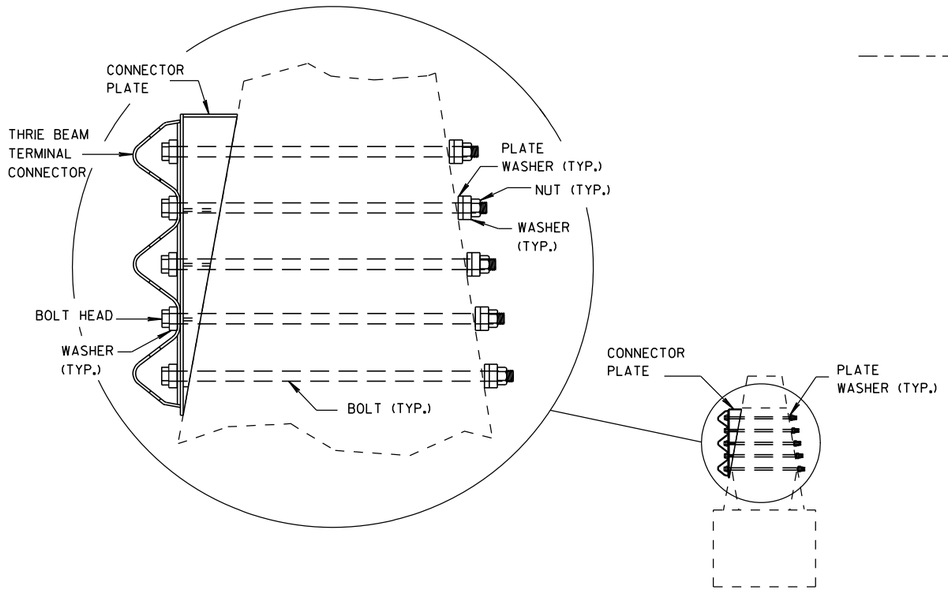
579

6

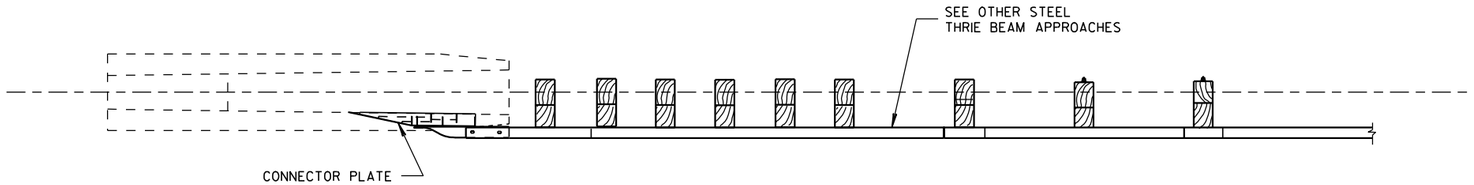
S.D.D. 14 B 20-11g

6

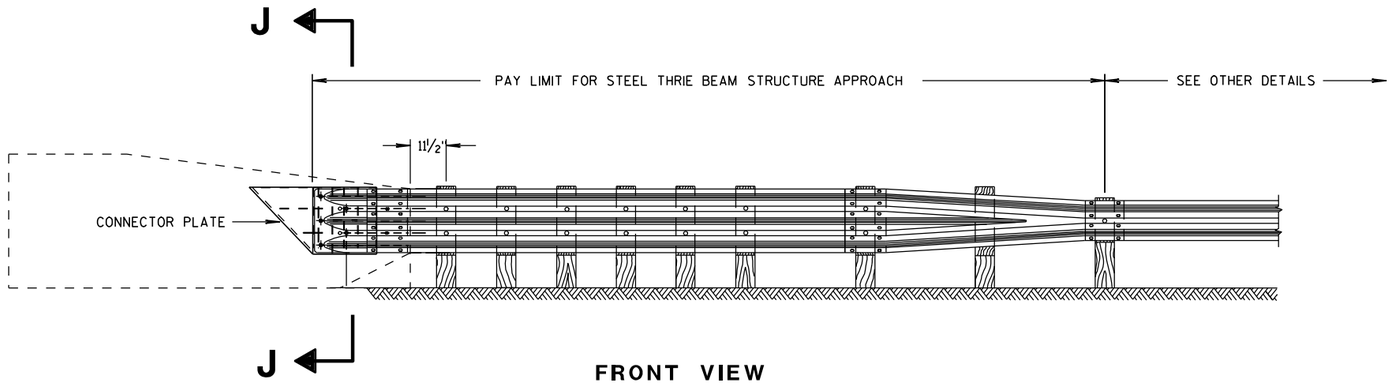
S.D.D. 14 B 20-11g



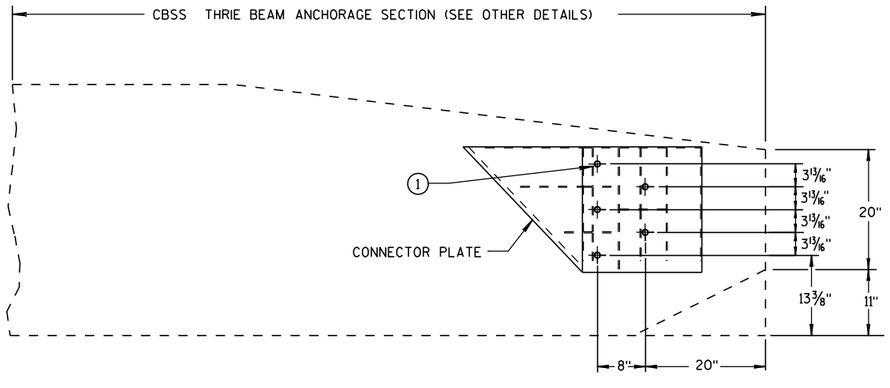
SECTION J-J



PLAN VIEW



FRONT VIEW



CONNECTOR PLATE LOCATION

GENERAL NOTES

CONSTRUCT PER STANDARD SPECIFICATION 614.

CONNECTOR PLATE, DRILLING HOLES THROUGH PARAPET, BOLTS, NUTS, WASHERS AND REPAIRING DAMAGED CONCRETE ARE INCIDENTAL TO THE CONTRACT.

(1) BOLTS MAY BE A325 BOLTS OR A449 BOLTS. BOLT LENGTH AND THREADING LENGTH ARE TO ALLOW FOR A TIGHT CONNECTION BETWEEN RIGID BARRIER AND THRIE BEAM CONNECTION PLATE. CONTRACTOR IS TO FIELD VERIFY BOLT LENGTH AND THREAD LENGTH. ONE ROUND WASHER REQUIRED BETWEEN BOLT HEAD AND THRIE BEAM TERMINAL CONNECTOR. BOLTS THAT EXTEND THROUGH THE PARAPET AND OUT THE BACK FACE REQUIRE A HARDENED ROUND STEEL WASHER THAT IS 2" O.D. X 5/8" THICK AND ONE PLATE WASHER. REPAIR ANY DAMAGED CONCRETE FROM BOLT INSTALLATION.

STEEL THRIE BEAM STRUCTURE APPROACH

STEEL THRIE BEAM STRUCTURE APPROACH, SINGLE SLOPE ATTACHMENT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

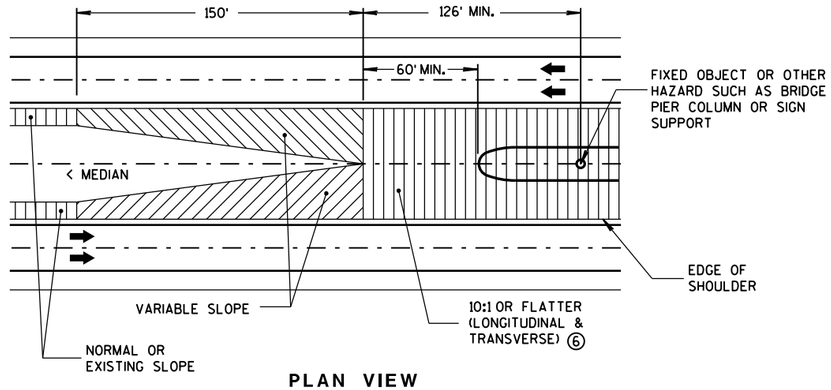
8/31/2012
DATE

/S/ Jerry H. Zogg
ROADWAY STANDARDS ENGINEER

580

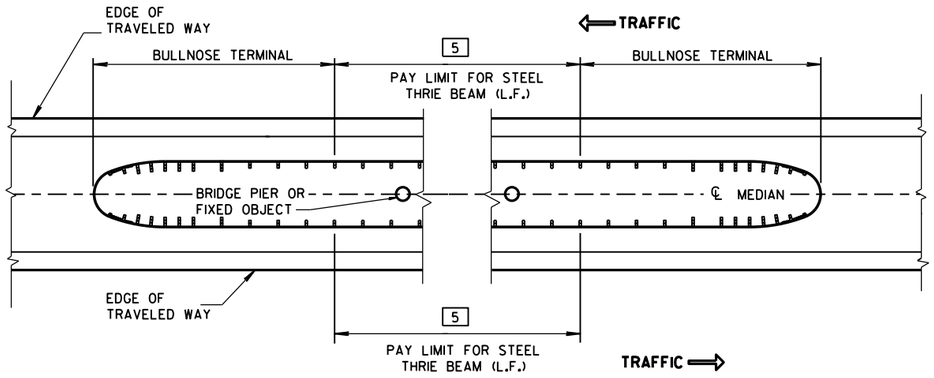
FHWA

6
S.D.D. 14 B 20-11h

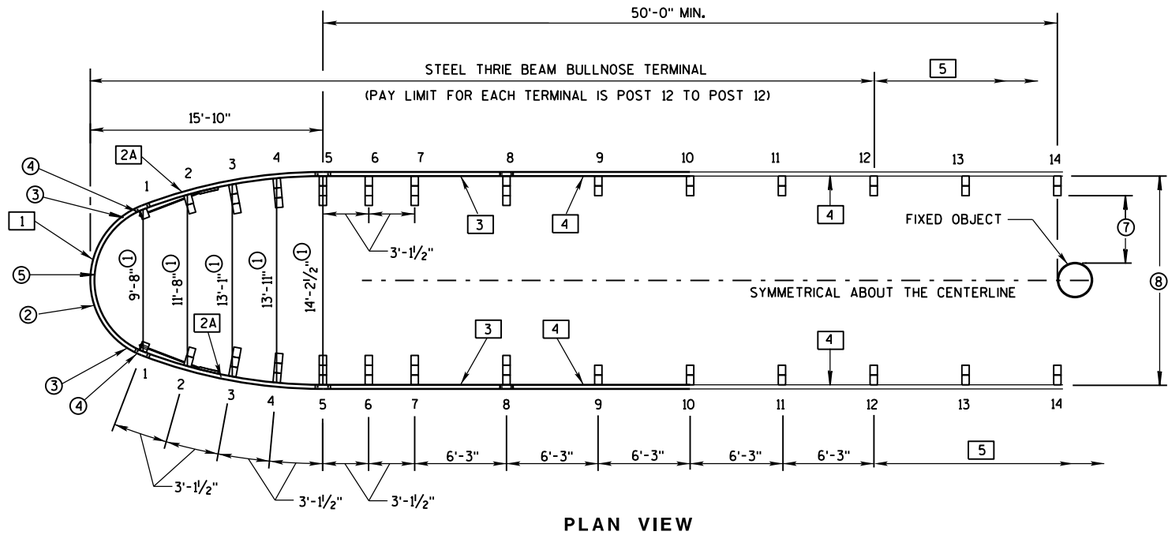


PLAN VIEW

GRADING AT BULLNOSE
(ALL INSTALLATIONS)

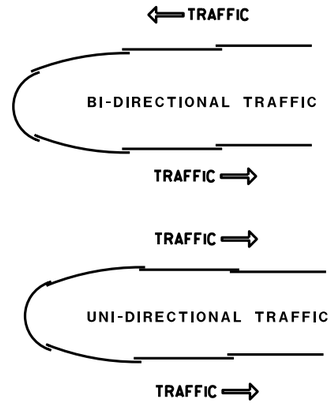


MEDIAN HAZARD PROTECTION PAY LIMITS



PLAN VIEW

TYPICAL BULLNOSE LAYOUT



LAPPING DETAIL
(ALL INSTALLATIONS)

GENERAL NOTES

SEE STANDARD DETAIL DRAWINGS 14 B 26a-e.

PUNCHING, DRILLING, CUTTING OR WELDING IS NOT PERMITTED ON ANY GALVANIZED THRIE BEAM ACCESSORY OR TERMINAL ACCESSORY.

OTHER ANCHOR CABLE ASSEMBLIES HAVING 40,000 LBS. MIN. BREAKING STRENGTH MAY BE USED.

FOR POSTS 2 THROUGH 14, IF POST CANNOT BE INSTALLED AT SPECIFIED LOCATION 1 EXTRA STANDARD WOOD BLOCK MAY BE ADDED.

THE USE OF STEEL POSTS ON THE BULLNOSE IS NOT ALLOWED.

BOLTS AND ALL NECESSARY HARDWARE SHALL BE GALVANIZED IN ACCORDANCE WITH ASTM A 153.

ALL THRIE BEAM SHALL BE 12-GAUGE.

[1] SLOTTED THRIE BEAM RAIL NO. 1. (POST 1 TO POST 1)

[2A] SLOTTED THRIE BEAM RAIL NO. 2A. (POST 1 TO POST 5)

[3] SLOTTED THRIE BEAM RAIL NO. 3. (POST 5 TO POST 8)

[4] UNBENT STANDARD THRIE-BEAM RAIL NO.4. (POST 8 TO POST 10 & POST 10 TO POST 12)

[5] BEYOND POST 12: CONSTRUCT STEEL THRIE BEAM - USE UNBENT STANDARD THRIE BEAM RAIL NO. 5.

① DIMENSIONS ARE FROM BACK OF RAIL TO BACK OF RAIL WHERE RAIL IS BOLTED TO POST OR BLOCK.

② U-BOLT CABLE CLIPS (3 PER CABLE) SPACED OUT ON NOSE, TO HOLD CABLE TO BACKSIDE OF THE RAIL.

③ NOSE CABLE W/SWAGGED END BUTTONS.

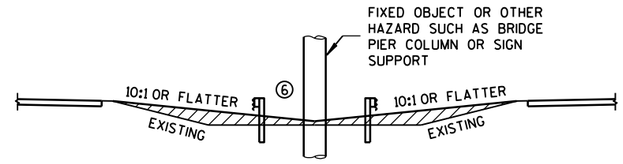
④ NOSE CABLE ANCHOR PLATE (BACKSIDE OF SPLICE).

⑤ THE SLACK IN THE NOSE CABLES SHALL BE EVENLY DISTRIBUTED BETWEEN THE CABLE CLIP FASTENERS AND POST NO. 1 ON EITHER SIDE OF THE NOSE.

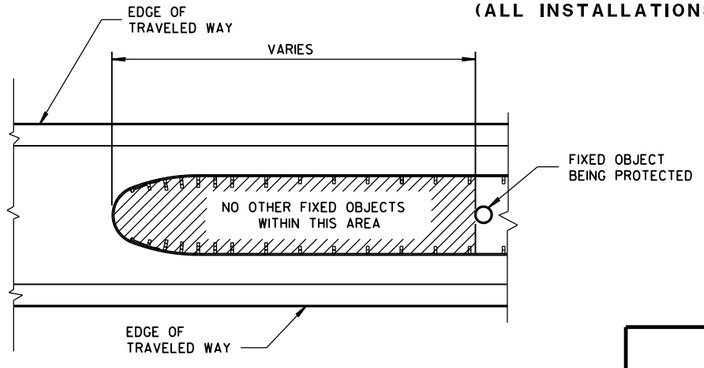
⑥ PROVIDE SUITABLE DRAINAGE WHEN MEDIAN GRADING IMPEDES NORMAL FLOW.

⑦ 2'-6" MINIMUM LATERAL DISTANCE BETWEEN BACK OF POST AND FACE OF FIXED OBJECT.

⑧ MAXIMUM WIDTH OF SYSTEM IS 14'-2½" MEASURED FROM BACK OF RAIL TO BACK OF RAIL WHERE RAIL IS BOLTED TO A POST OR BLOCK.



MEDIAN GRADING SECTION
(ALL INSTALLATIONS)



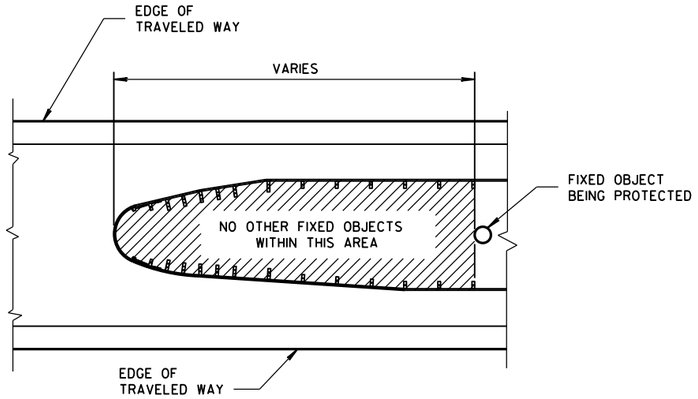
HAZARD FREE AREA INSIDE BULLNOSE

STEEL THRIE BEAM BULLNOSE TERMINAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR

6

S.D.D. 14 B 26-2a



HAZARD FREE
AREA INSIDE BULLNOSE

GENERAL NOTES

SEE STANDARD DETAIL DRAWINGS 14 B 26a-e.

FOR POSTS 2 THROUGH 14, IF POST CANNOT BE INSTALLED AT SPECIFIED LOCATION 1 EXTRA STANDARD WOOD BLOCK MAY BE ADDED.

[1] SLOTTED THRIE BEAM RAIL NO. 1. (POST 1 TO POST 1)

[2A] SLOTTED THRIE BEAM RAIL NO. 2A, (POST 1 TO POST 5)

[2B] SLOTTED THRIE BEAM RAIL NO. 2B, (POST 1 TO POST 5)

[3] SLOTTED THRIE BEAM RAIL NO. 3. (POST 5 TO POST 8)

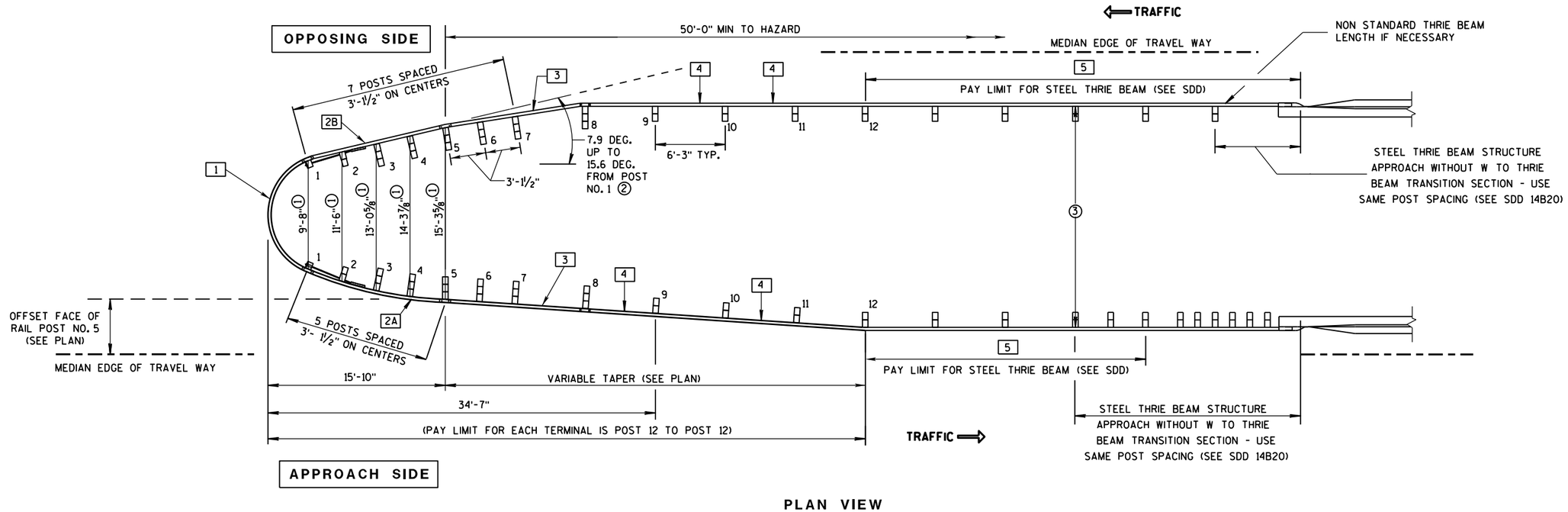
[4] UNBENT STANDARD THRIE-BEAM RAIL NO. 4, (POST 8 TO POST 10 & POST 10 TO POST 12)

[5] BEYOND POST 12: CONSTRUCT STEEL THRIE BEAM - USE UNBENT STANDARD THRIE BEAM RAIL NO. 5.

① DIMENSIONS ARE FROM BACK OF RAIL TO BACK OF RAIL WHERE RAIL IS BOLTED TO POST.

② TAPER BEGINNING AT POST NO. 1 MUST CONTINUE TO POST NO. 5. PAST POST NO. 5 TAPER MAY END OR BE EXTENDED UP TO 15.6 DEGREES TO FIT VARIABLE MEDIAN WIDTHS. (SEE PLAN)

③ FOR MEDIANS WIDER THAN 14'-2½" MEASURED FROM BACK OF RAIL TO BACK OF RAIL WHERE RAIL IS BOLTED TO A POST OR BLOCK.



PLAN VIEW

WIDENED BULLNOSE DESIGN

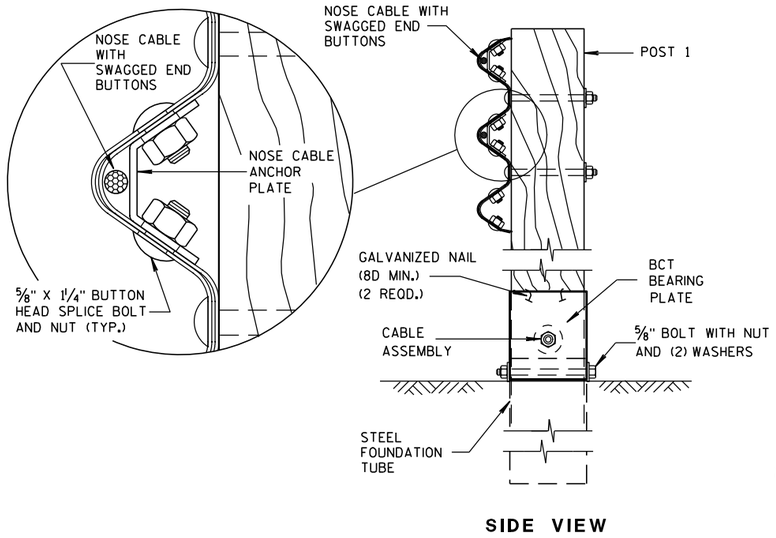
(INSTALLATION AT TWIN BRIDGES WITH BI-DIRECTIONAL TRAFFIC SHOWN)

STEEL THRIE BEAM
BULLNOSE TERMINAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

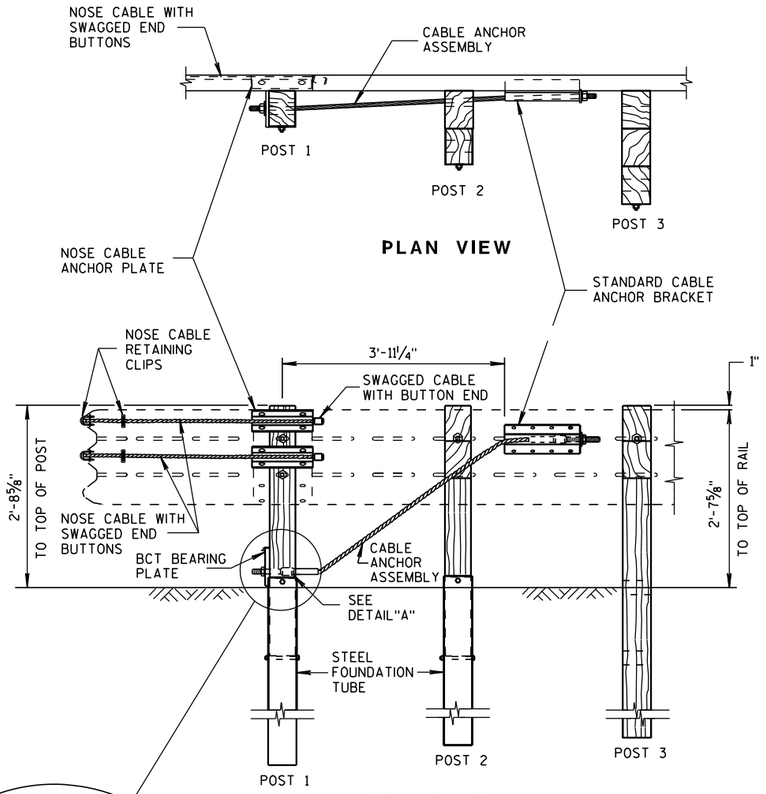
6

S.D.D. 14 B 26-2b



SIDE VIEW

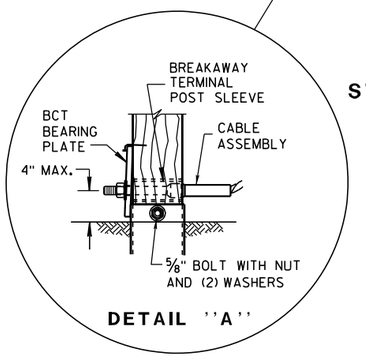
NOSE CABLE ASSEMBLY AT POST NO. 1



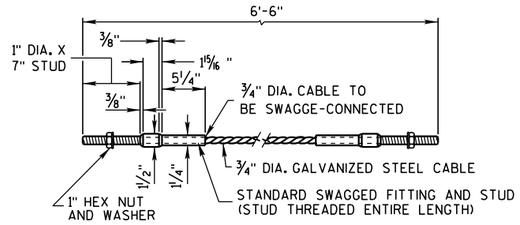
PLAN VIEW

FRONT VIEW

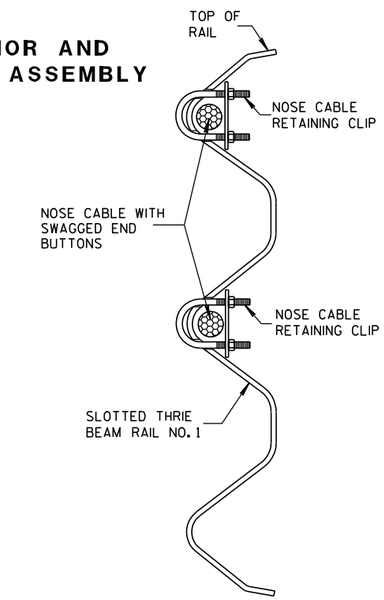
NOSE CABLE ANCHOR AND STANDARD BRACKET ASSEMBLY



DETAIL ''A''



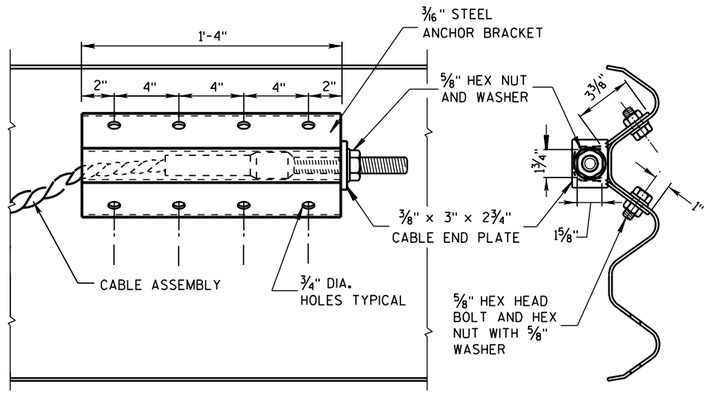
DETAILS OF CABLE ANCHOR ASSEMBLY



PLACEMENT OF NOSE CABLE RETAINING CLIP

GENERAL NOTES

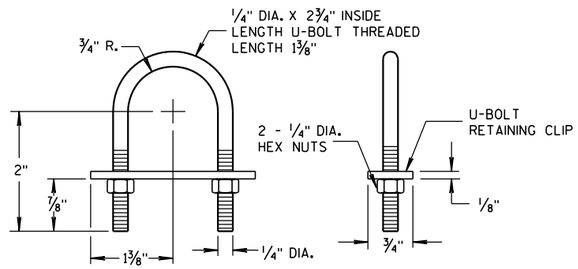
SEE STANDARD DETAIL DRAWINGS 14 B 26a-e.



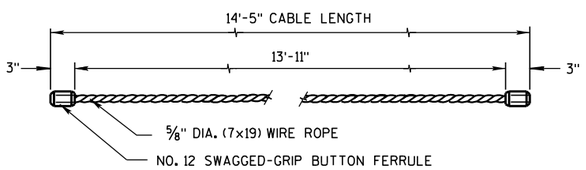
FRONT VIEW

END VIEW

DETAILS OF CABLE ANCHOR BRACKET

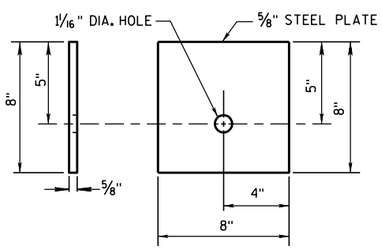


NOSE CABLE RETAINING CLIP

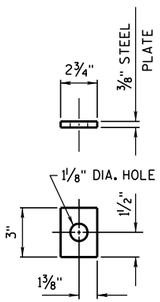


NOSE CABLE WITH SWAGGED END BUTTONS

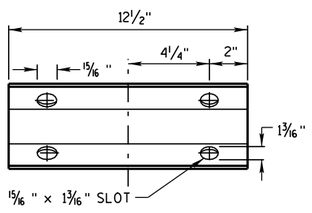
TO PULL OFF SWAGGED GRIP BUTTON FERRULE FROM WIRE ROPE REQUIRES A FORCE EQUAL TO 98% OF THE WIRE ROPE'S BREAKING STRENGHT.



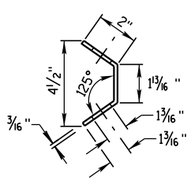
BCT BEARING PLATE



CABLE END PLATE



ELEVATION VIEW



END VIEW

NOSE CABLE ANCHOR PLATE

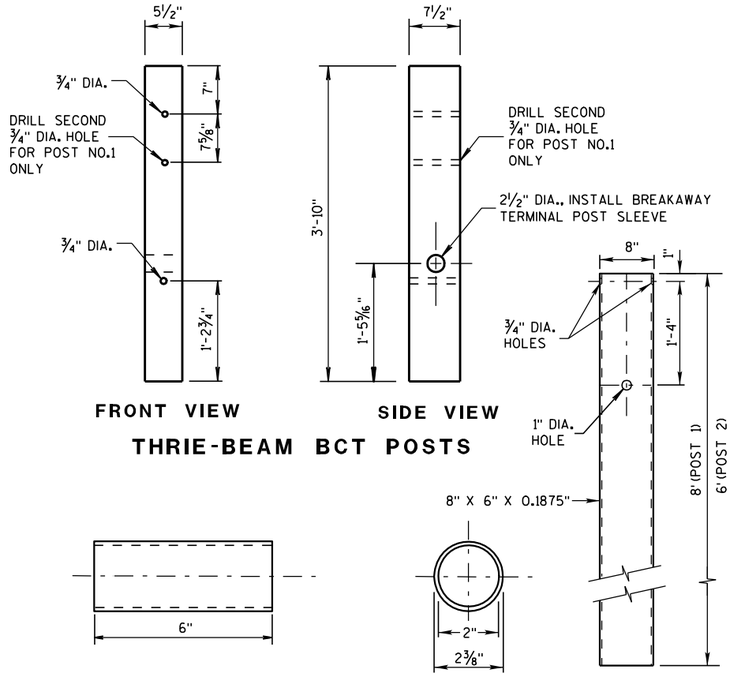
NOTE: 12 1/2" x 5 13/16" x 3/16" STEEL PLATE (A306)

STEEL THRIE BEAM BULLNOSE TERMINAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

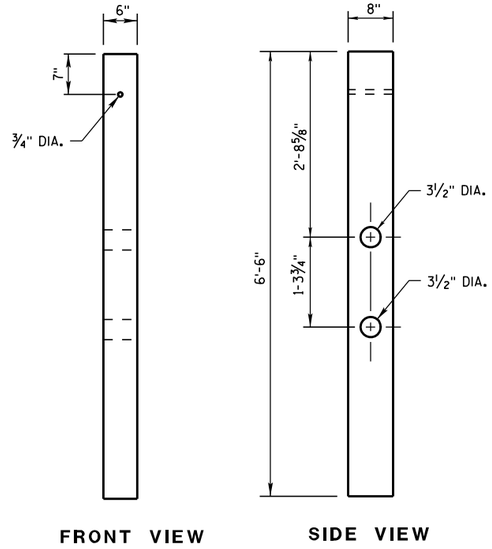
S.D.D. 14 B 26-2c



THRIE-BEAM BCT POSTS

BREAKAWAY TERMINAL POST SLEEVE

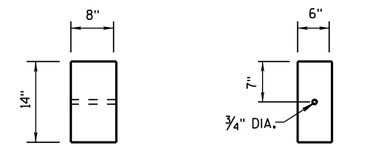
STEEL FOUNDATION TUBE



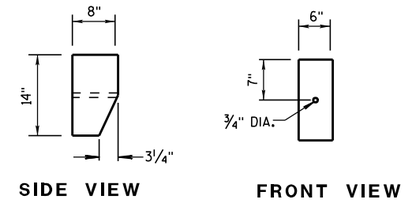
THRIE-BEAM CRT WOOD POSTS

GENERAL NOTES

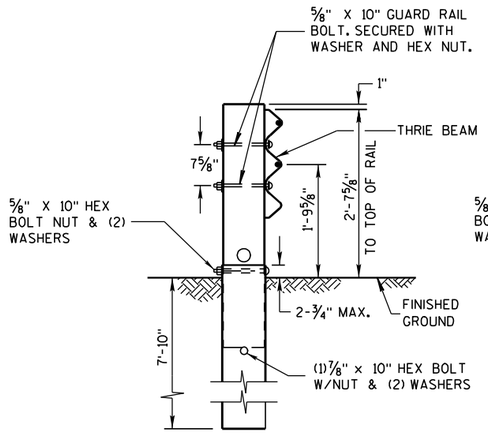
SEE STANDARD DETAIL DRAWINGS 14 B 26a-e.



STANDARD WOOD BLOCK

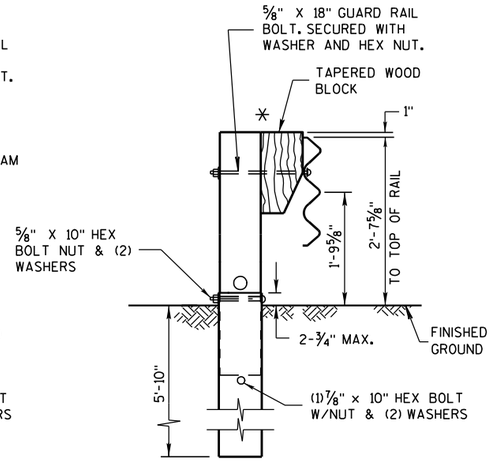


TAPERED WOOD BLOCK



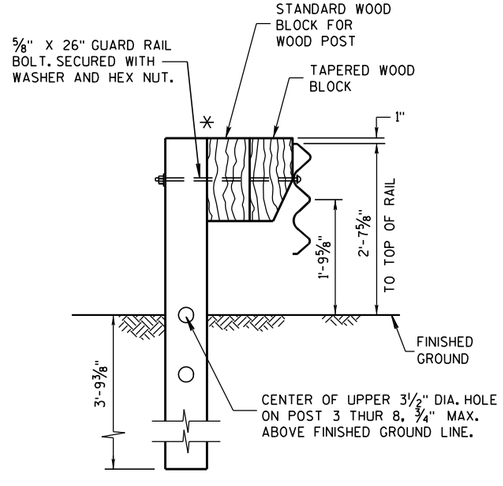
THRIE-BEAM BCT POST
(WITH 8'-0" FOUNDATION TUBE)

POST NO. 1



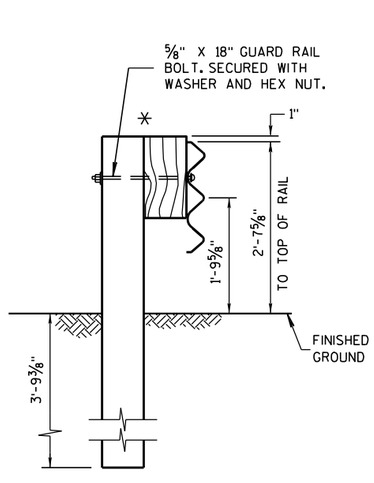
THRIE-BEAM BCT POST
(WITH 6'-0" FOUNDATION TUBE AND 1'-2" TAPERED BLOCK)

POST NO. 2



THRIE-BEAM CRT POST
(6'-6" LONG POST WITH 1'-2" BLOCK AND 1'-2" TAPERED BLOCK)

POST NO. 3,4,5,6,7, & 8



THRIE-BEAM POST
(6'-6" LONG POST WITH 1'-2" BLOCK)

POST NO. 9,10,11,& 12
(ALSO USE FOR STEEL THRIE BEAM BEYOND POST 12)

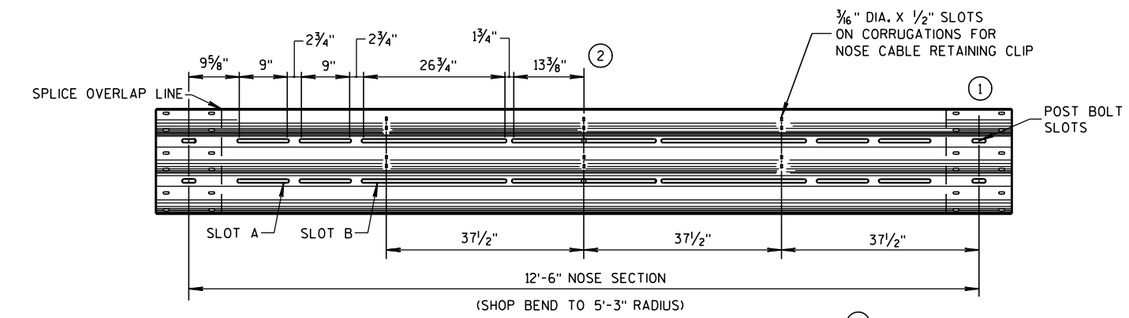
* IF NEEDED DUE TO AN UNDERGROUND OBSTACLE ADD 1 ADDITIONAL STANDARD BLOCKOUT TO POST.

STEEL THRIE BEAM BULLNOSE TERMINAL

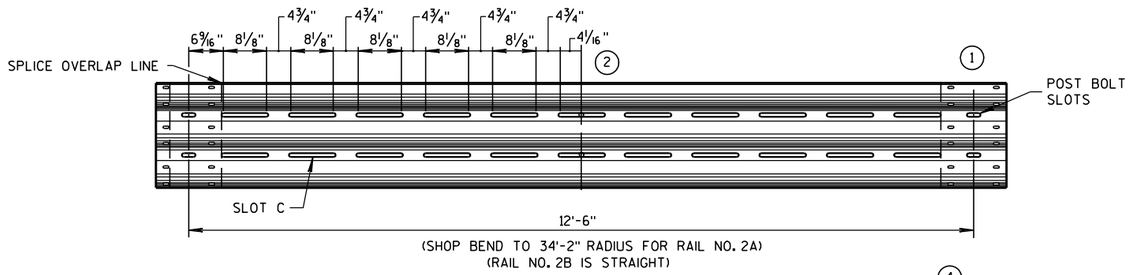
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

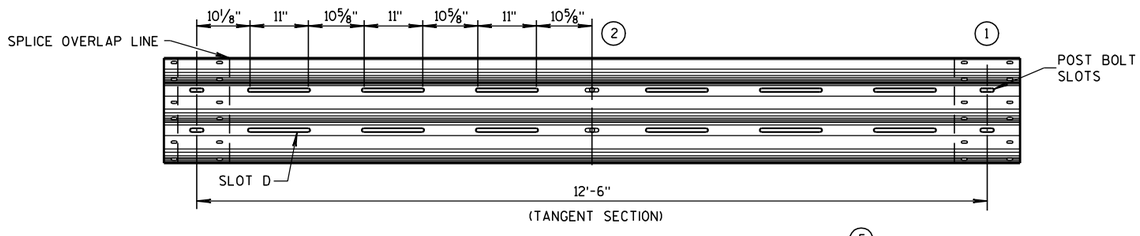
S.D.D. 14 B 26-2d



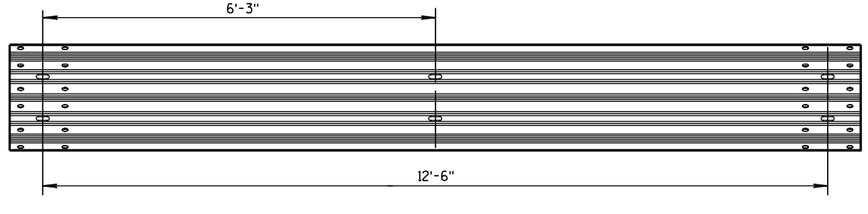
SLOTTED THRIE BEAM RAIL NO. 1 (3)



SLOTTED THRIE BEAM RAILS NO. 2A AND NO. 2B (4)



SLOTTED THRIE BEAM RAIL NO. 3 (5)



UNBENT STANDARD THRIE BEAM RAIL NO. 4 AND NO. 5

GENERAL NOTES

SEE STANADRD DETAIL DRAWINGS 14 B 26a-e.

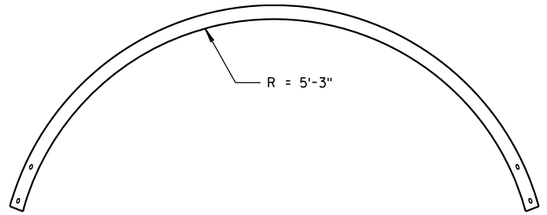
(1) SLOTTED THRIE BEAM RAIL DIMENSIONS SHOWN ARE BEFORE BENDING TO THE RADIUS SHOWN.

(2) SLOT SIZE AND SPACING SYMMETRIC.

(3) SLOTTED THRIE BEAM RAIL NO. 1, 12'-6", SHOP BEND TO R=5'-3".

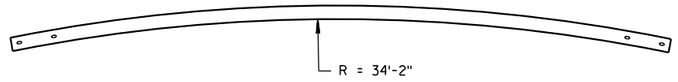
(4) SLOTTED THRIE BEAM RAIL NO. 2A, 12'-6", SHOP BEND TO R=34'-2".
SLOTTED THRIE BEAM RAIL NO. 2B, 12'-6", RAIL IS STRAIGHT.

(5) SLOTTED THRIE BEAM RAIL NO. 3, 12'-6", TANGENT.



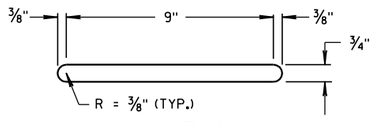
PLAN VIEW

SLOTTED THRIE BEAM RAIL NO. 1

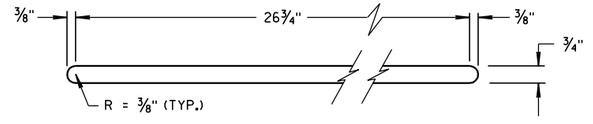


PLAN VIEW

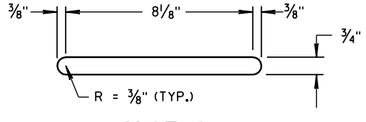
SLOTTED THRIE BEAM RAIL NO. 2A



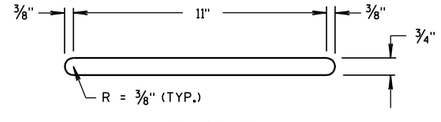
SLOT A



SLOT B



SLOT C



SLOT D

SLOT DETAILS

STEEL THRIE BEAM BULLNOSE TERMINAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

9-16-2010
DATE

/S/ Jerry H. [illegible]
ROADWAY STANDARDS ENGINEER

1585

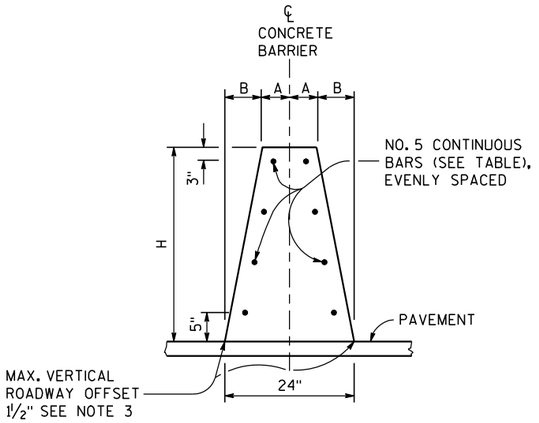
FHWA

6

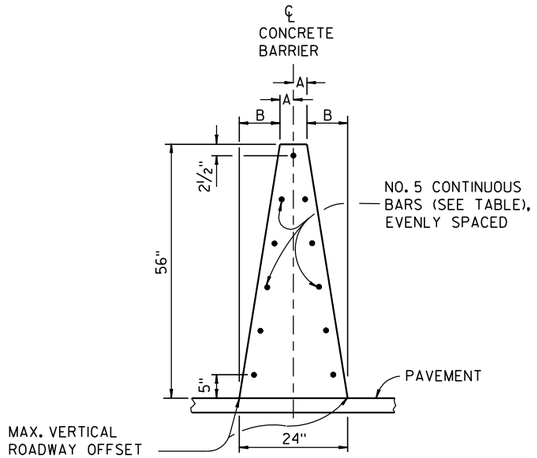
S.D.D. 14 B 26-2e

6

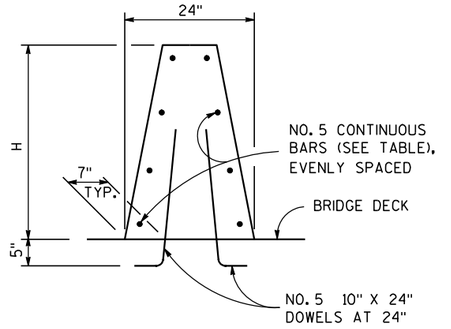
S.D.D. 14 B 26-2e



32-INCH, 36-INCH OR 42-INCH SINGLE SLOPE CONCRETE BARRIER (TYPE S32, TYPE S36, AND TYPE S42)



56-INCH SINGLE SLOPE CONCRETE BARRIER (TYPE S56)



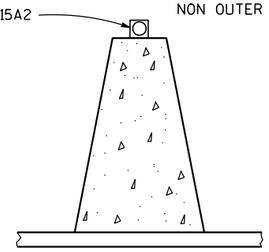
SINGLE SLOPE CONCRETE BARRIER ON BRIDGE

NON OUTER PARAPET APPLICATION

GENERAL NOTES

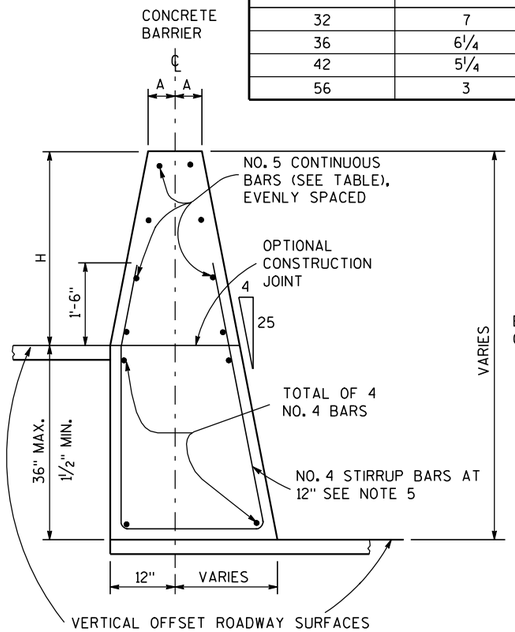
1. WHERE THE CONCRETE BARRIER IS ADDED TO THE FACE OF EXISTING CONCRETE STRUCTURE, MATCH EXISTING WEEP HOLES.
2. EXPANSION JOINTS IN CONCRETE BARRIER SHALL BE LOCATED AT ALL DECK, PAVEMENT AND PRINCIPAL WALL JOINTS. EXPANSION JOINT FILLER MATERIAL SHALL BE THE SAME SIZE AS JOINT OR ½" MINIMUM.
3. WHERE VERTICAL ROADWAY OFFSET IS GREATER THAN 1½", USE TYPE A
4. PLACE BARRIER PERPENDICULAR TO SHOULDER GRADE, UNLESS INDICATED IN PLAN.
5. EXCEPT IN ANCHORS, VERTICAL REINFORCING STIRRUP NOT REQUIRED FOR ROADWAY OFFSETS LESS THAN 1'-0".
6. FOR TYPE S32, TYPE S36, TYPE S42, AND S56 MONOLITHIC FOOTING OR DOWELED FOOTING WITH 2-#8 x 8" @ 2'-0".
7. STAGGER LAPPING OF LONGITUDINAL STEEL. MINIMUM OVERLAP OF STEEL 2 FEET. BARS AT LAPS TO BE FIRMLY TIED OR CONNECTED.
8. 4000 PSI CONCRETE AIR ENTRAINMENT PER STANDARD SPECIFICATION 501.
9. WHEN SWITCHING BETWEEN SLIP FORM AND CAST-IN-PLACE OPERATIONS, EXTEND LONGITUDINAL STEEL 3 FEET BEYOND SLIP-FORMING CUT OFF POINT. EXPOSED STEEL INTO NEXT POURS REINFORCEMENT. LAPS TO BE FIRMLY TIED.
10. USE ¾" BEVEL OR 1" RADIUS ON ALL EXPOSED SHARP EDGES UNLESS OTHERWISE NOTED.
11. 2" CLEAR COVER TYPICAL.
12. COLD-JOINTS MAY BE USED BETWEEN ANCHOR INSTALLATIONS. WHEN A COLD JOINT IS NEEDED, 3 FEET OF LAP OF LONGITUDINAL STEEL IS REQUIRED. LAPS TO BE FIRMLY TIED
13. IN TYPE S32, TYPE S36, TYPE S42 AND TYPE S56 NO ADDITIONAL VERTICAL STEEL NEEDED. IN TYPE S32A, TYPE S36A, TYPE S42A AND TYPE S56A REQUIRES VERTICAL STEEL. SEE OTHER DETAIL
14. IN TYPE S32, TYPE S36, TYPE S42 AND TYPE S56 DEPTH OF FOOTING 10". IN TYPE S32A, TYPE S36A, TYPE S42A AND TYPE S56A MATCH TOTAL HEIGHT OF SINGLE SLOPE BARRIER RETAINING WALL.
15. FOR ALL BARRIER TYPES SHOWN, ANCHOR IS REQUIRED AT CONCRETE BARRIER ENDS AND AT INTERRUPTIONS IN CONCRETE BARRIER. ANCHOR MAY BE AS SHOWN ON DRAWING OR DETAILS SHOWN ON S.D.D. 14B33. ANCHORS INCIDENTAL TO CBSS.

SEE STANDARD DETAIL DRAWING 15A2 FOR DELINEATOR DETAILS



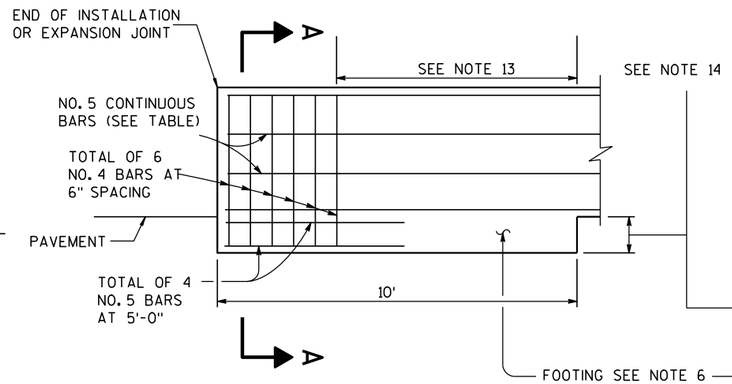
DELINEATION

BARRIER HEIGHT H INCHES	A INCHES	B INCHES	NUMBER OF NO. 5 BARS EACH
32	7	5	8
36	6¼	5¾	8
42	5¼	6¾	10
56	3	9	11



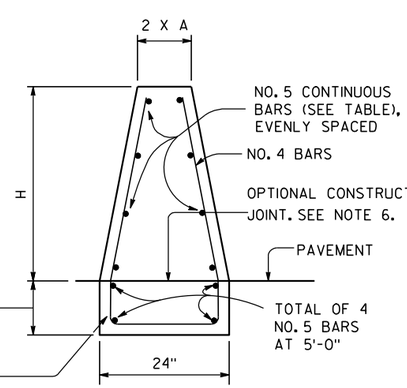
SINGLE SLOPE CONCRETE BARRIER AND RETAINING WALL (TYPE S32A, TYPE S36A, TYPE S42A, TYPE S56A)

(BETWEEN ADJACENT ROADWAYS)



END ANCHOR SINGLE SLOPE CONCRETE BARRIER

AT CONSTRUCTION JOINT



SECTION A-A

DELINEATOR SPACING ON HORIZONTAL CURVES

RADIUS OF CURVE	APPROXIMATE SPACING ON CURVE
50 FEET	20 FEET
115 FEET	25 FEET
180 FEET	35 FEET
250 FEET	40 FEET
300 FEET	50 FEET
400 FEET	55 FEET
500 FEET	65 FEET
600 FEET	70 FEET
700 FEET	75 FEET
800 FEET	80 FEET
900 FEET	85 FEET
1000 FEET	90 FEET

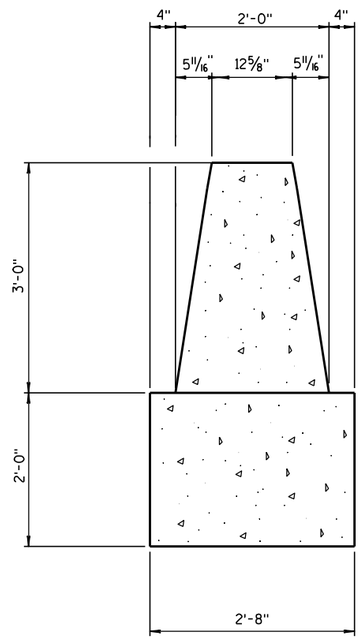
DELINEATOR SPACING ON RADIUS GREATER THAN 1000 FEET OR TANGENT SECTIONS

	LENGTH OF BARRIER	REFLECTOR SPACING	NO. SURFACES REFLECTORIZED	MIN. NO. REFLECTORS
ONE WAY TRAFFIC	< 200'	50' C-C	1	3
	> 200'	100' C-C	1	
TWO WAY TRAFFIC	< 200'	25' C-C	1	6
	> 200'	50' C-C	1	
TWO WAY TRAFFIC	< 200'	50' C-C	2	3
	> 200'	100' C-C	2	

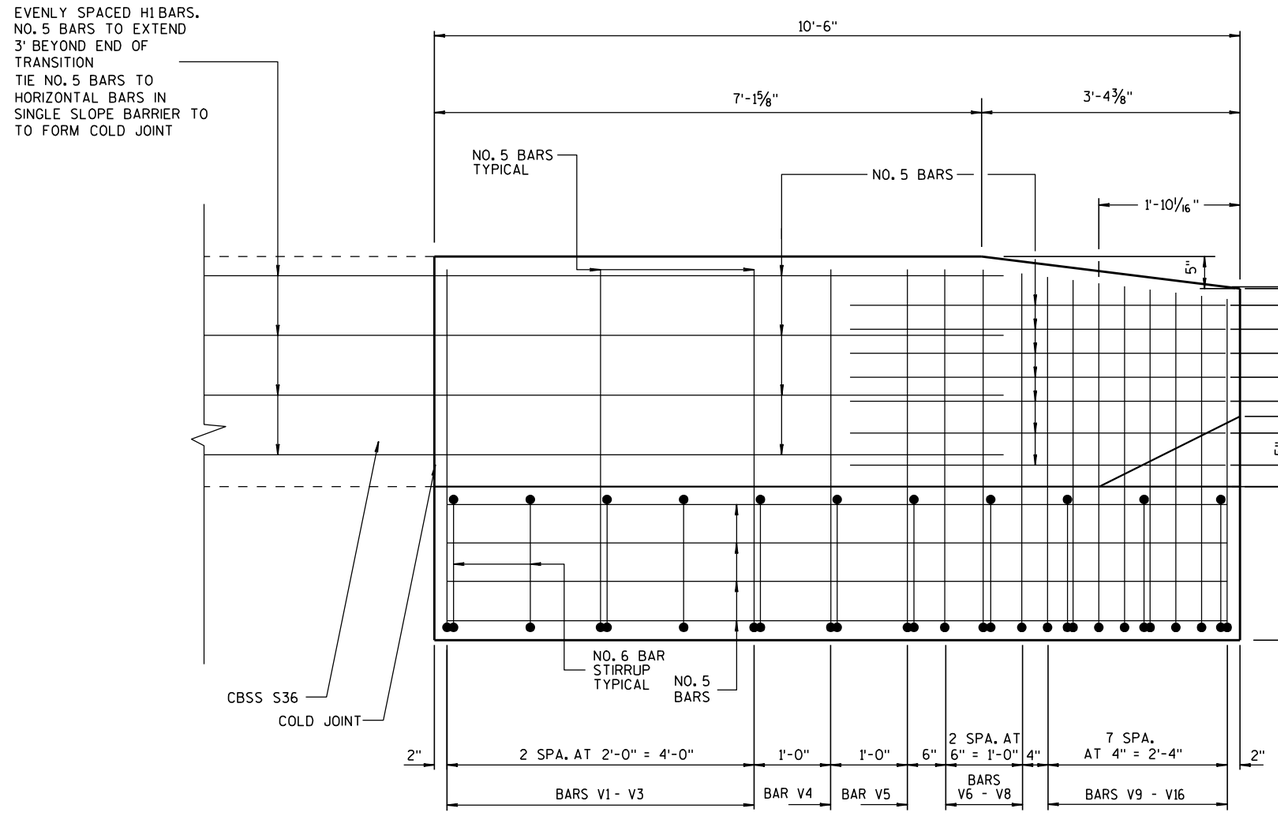
CONCRETE BARRIER SINGLE SLOPE (CBSS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6
S.D.D. 14 B 32-1a

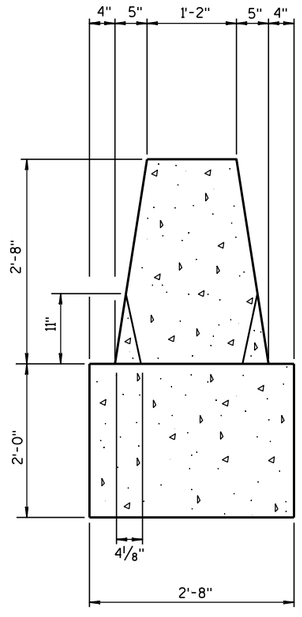


SECTION A-A

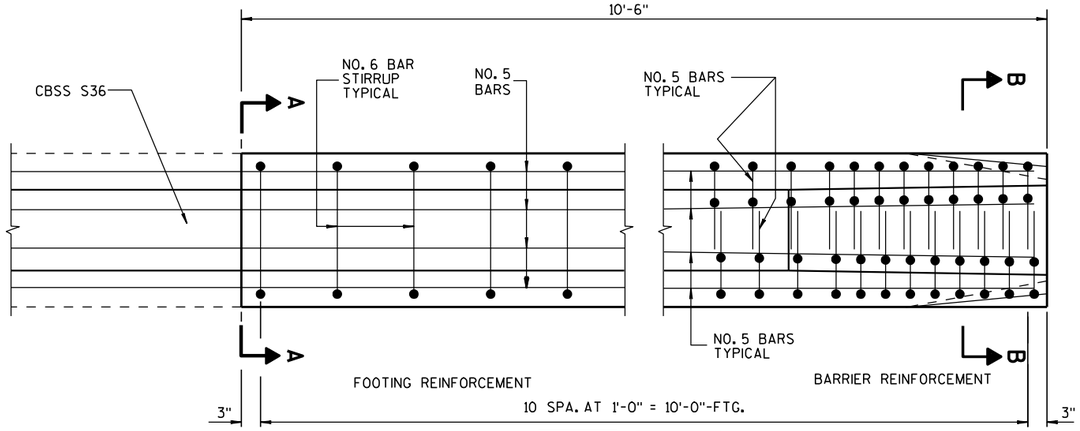


SEE SECTIONS (1) THRU (16)

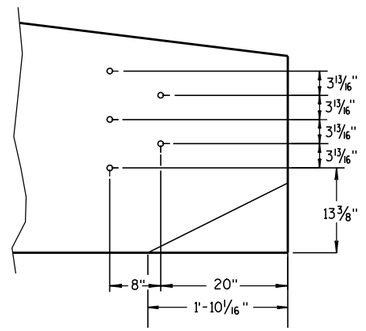
ELEVATION VIEW



SECTION B-B



PLAN VIEW



PVC PIPE LOCATIONS

GENERAL NOTES

CONSTRUCT PER STANDARD SPECIFICATION 603.

SPLICES OF LONGITUDINAL BARS TO BE 2' LONG AND FIRMLY TIED AND FASTENED TOGETHER UNLESS NOTED OTHERWISE.

4000 PSI CONCRETE AIR ENTRAINMENT PER STANDARD SPECIFICATIONS SECTION 501.

USE 3/4" BEVEL OR 1" RADIUS ON ALL EXPOSED SHARP EDGES UNLESS NOTED OTHERWISE.

THRIE BEAM ANCHOR INCIDENTAL TO CONCRETE BARRIER ITEM.

INSTALL SCHEDULE 40 PVC PIPE 1" DIAMETER AT LOCATIONS INDICATED.

EXTEND PVC PIPE COMPLETELY THROUGH BARRIER.

CUT ENDS OF PVC PIPE FLUSH WITH FINISHED FACE of BARRIER.

THE NUMBER IN BAR DESIGNATION REPRESENTS THE BARS LOCATION.

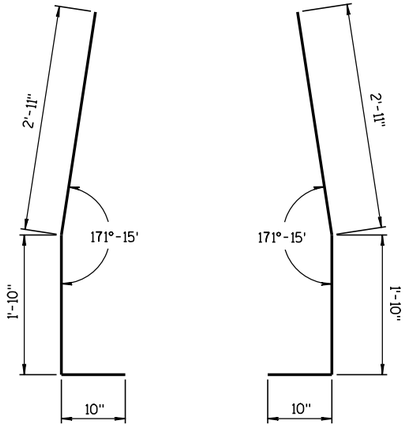
2" CLEAR COVER TYPICAL.

CONCRETE BARRIER
SINGLE SLOPE 36"
THRIE BEAM ANCHOR

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

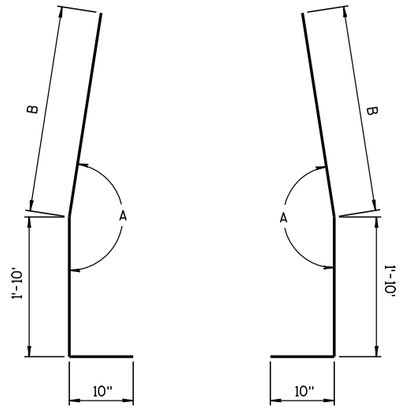
S.D.D. 14 B 33-1d



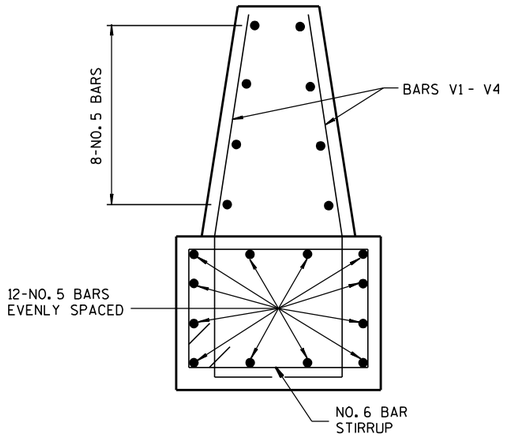
BAR BENDING DETAIL
FOR BARS V1 - V6

BAR CHART
SECTIONS V7 - V11

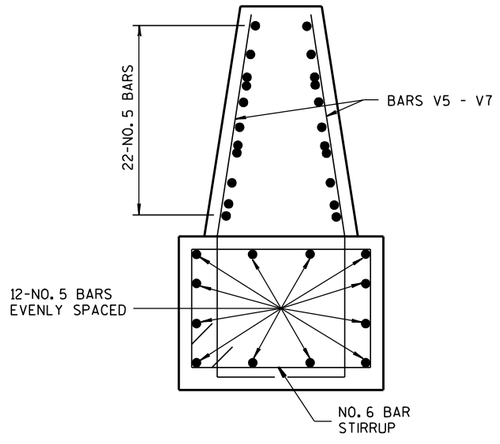
BAR	A	B
V7	171°-20'	2'-10½"
V8	171°-10'	2'-9½"
V9	171°-10'	2'-9"
V10	171°-05'	2'-8½"
V11	171°-10'	2'-8"



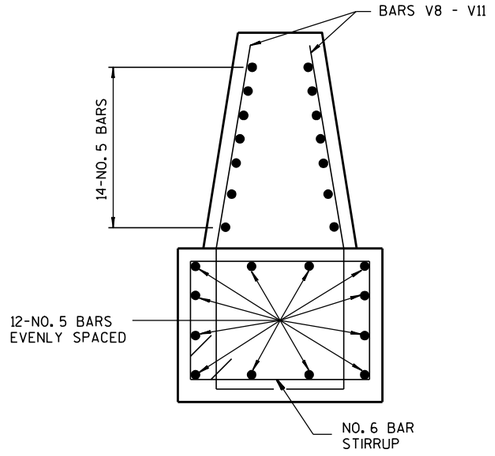
BAR BENDING DETAIL
FOR BARS V7 - V11



BAR DETAIL
SECTIONS 1 - 4



BAR DETAIL
SECTIONS 5 - 7



BAR DETAIL
SECTIONS 8 - 11

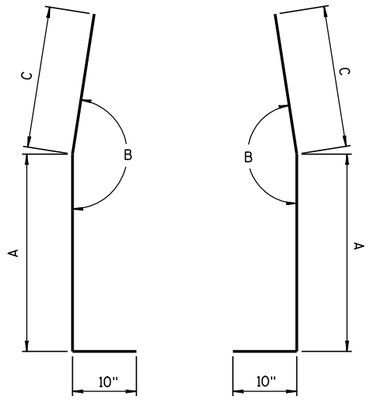
CONCRETE BARRIER
SINGLE SLOPE 36"
THRIE BEAM ANCHOR

STATE OF WISCONSIN
DEPARTMENT OF TRANSPO...

6
S.D.D. 14 B 33-1e

BAR CHART
SECTIONS V12 - V13

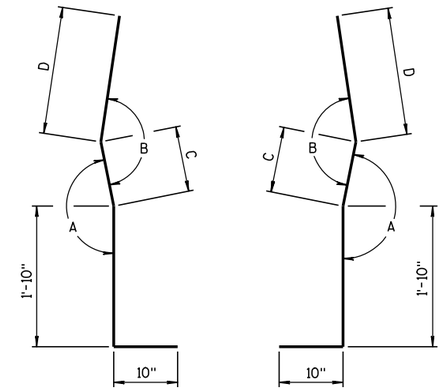
BAR	A	B	C
V12	2'-2"	171°-15'	2'-3½"
V13	2'-7"	171°-05'	1'-10"



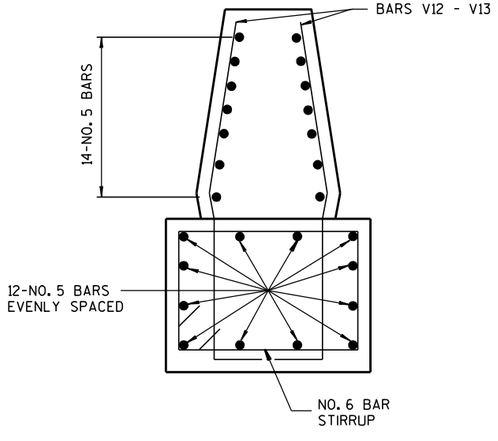
BAR BENDING DETAIL
FOR BARS V12 - V13

BAR CHART
SECTIONS V14 - V16

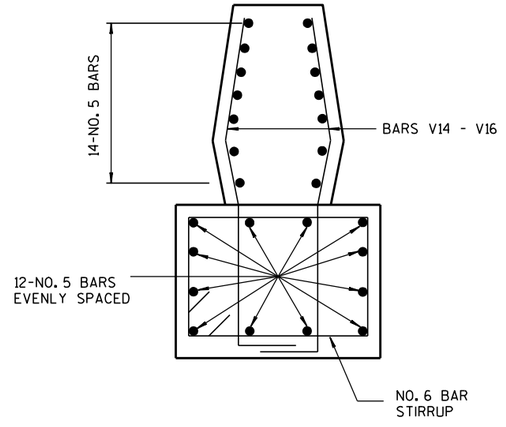
BAR	A	B	C	D
V14	168°-15'	159°-15'	6"	2'-0"
V15	169°-20'	161°-00'	8"	1'-10"
V16	168°-40'	160°-10'	10"	1'-8"



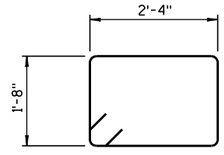
BAR BENDING DETAIL
FOR BARS V14 - V16



BAR DETAIL
SECTIONS 12 - 13



BAR DETAIL
SECTIONS 14 - 16



STIRRUP BAR
BENDING DETAIL

CONCRETE BARRIER
SINGLE SLOPE 36"
THRIE BEAM ANCHOR

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

6-3-2010
DATE

/S/ Jerry H. Zogg
ROADWAY STANDARDS ENGINEER

589

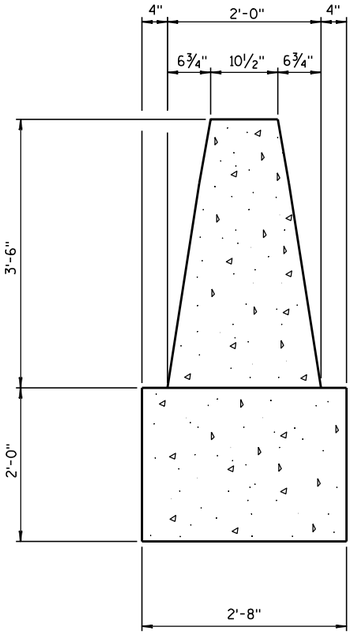
FHWA

6

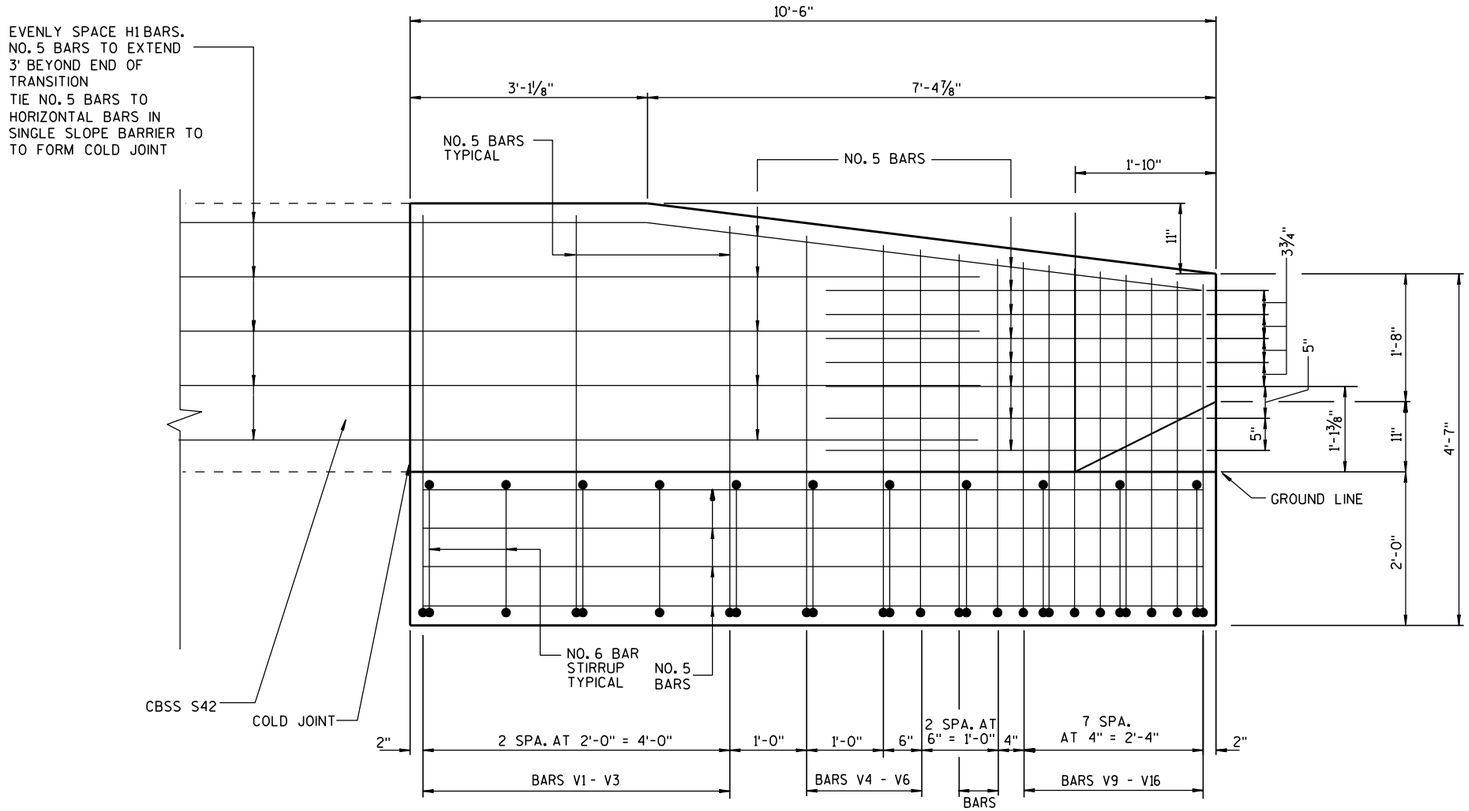
S.D.D. 14 B 33-1f

6

S.D.D. 14 B 33-1f

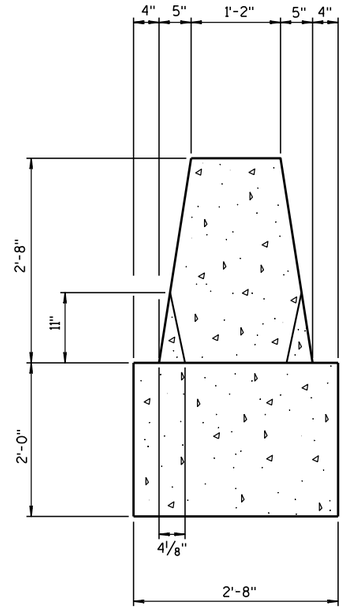


SECTION A-A

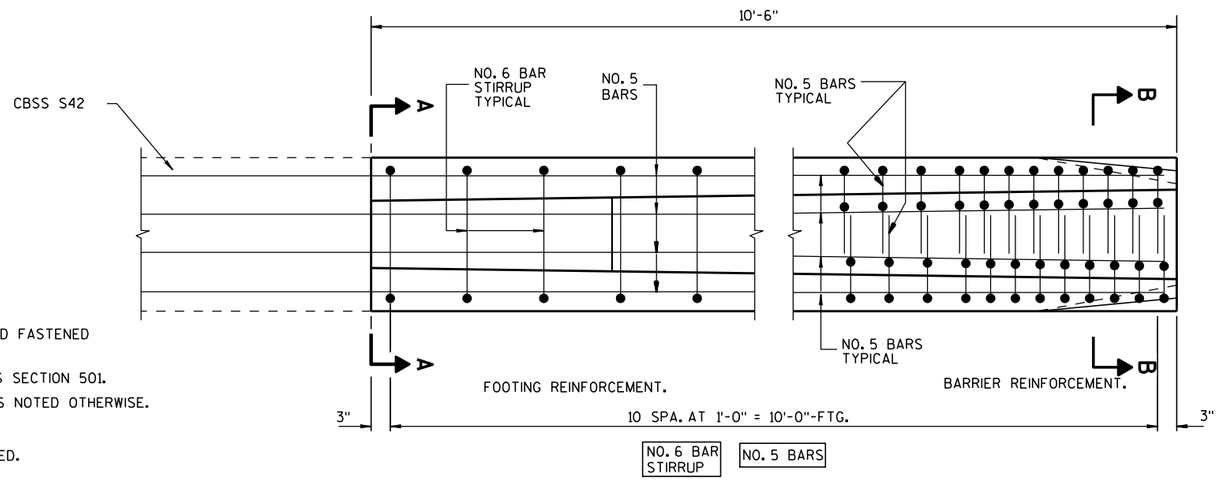


SEE SECTIONS ① THRU ⑯

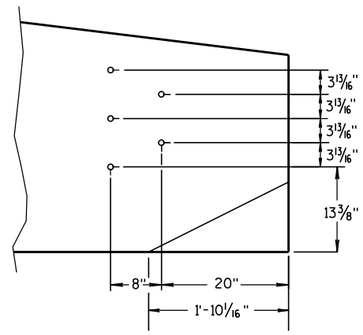
ELEVATION VIEW



SECTION B-B



PLAN VIEW



PVC PIPE LOCATIONS

GENERAL NOTES

CONSTRUCT PER STANDARD SPECIFICATION 603.

SPLICES OF LONGITUDINAL BARS TO BE 2'LONG AND FIRMLY TIED AND FASTENED TOGETHER UNLESS NOTED OTHERWISE.

4000 PSI CONCRETE AIR ENTRAINMENT PER STANDARD SPECIFICATIONS SECTION 501.

USE ¾" BEVEL OR 1" RADIUS ON ALL EXPOSED SHARP EDGES UNLESS NOTED OTHERWISE.

THRIE BEAM ANCHOR INCIDENTAL TO CONCRETE BARRIER ITEM.

INSTALL SCHEDULE 40 PVC PIPE 1" DIAMETER AT LOCATIONS INDICATED.

EXTEND PVC PIPE COMPLETELY THROUGH BARRIER.

CUT ENDS OF PVC PIPE FLUSH WITH FINISHED FACE of BARRIER.

THE NUMBER IN BAR DESIGNATION REPRESENTS THE BARS LOCATION.

2" CLEAR COVER TYPICAL.

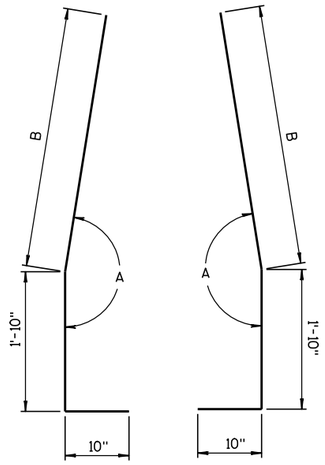
CONCRETE BARRIER SINGLE SLOPE 42" THRIE BEAM ANCHOR

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6
S.D.D. 14 B 33-1g

BAR CHART
SECTIONS V1 - V11

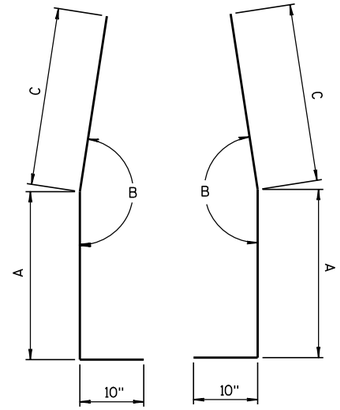
BAR	A	B
V1	170°-50'	3'-4½"
V2	171°-20'	3'-4½"
V3	171°-30'	3'-2½"
V4	171°-25'	3'-1½"
V5	171°-15'	3'-0"
V6	171°-15'	2'-11"
V7	171°-20'	2'-10½"
V8	171°-10'	2'-9½"
V9	171°-10'	2'-9"
V10	171°-05'	2'-8½"
V11	171°-10'	2'-8"



BAR BENDING DETAIL
FOR BARS V1 - V11

BAR CHART
SECTIONS V12 - V13

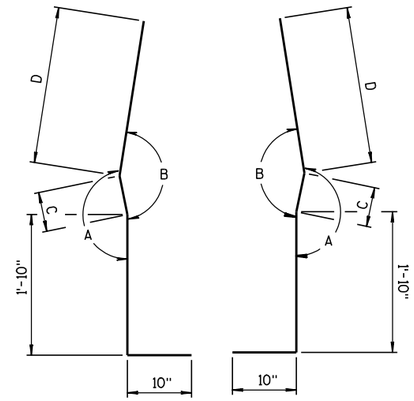
BAR	A	B	C
V12	2'-2"	171°-15'	2'-3½"
V13	2'-7"	171°-05'	1'-10"



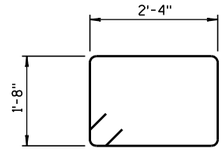
BAR BENDING DETAIL
FOR BARS V12 - V13

BAR CHART
SECTIONS V14 - V16

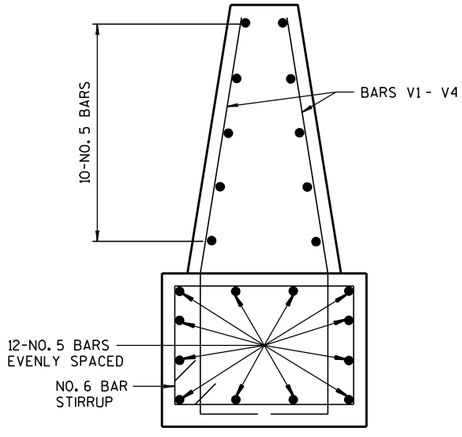
BAR	A	B	C	D
V14	168°-15'	159°-15'	6"	2'-0"
V15	169°-20'	161°-00'	8"	1'-10"
V16	168°-40'	160°-10'	10"	1'-8"



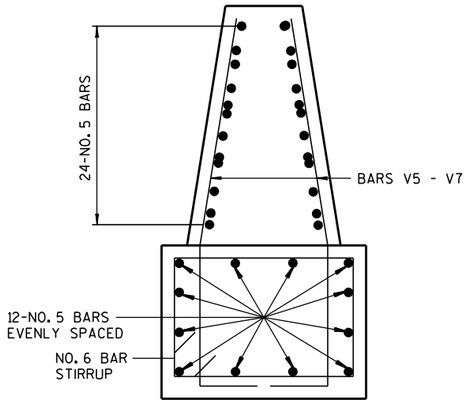
BAR BENDING DETAIL
FOR BARS V14 - V16



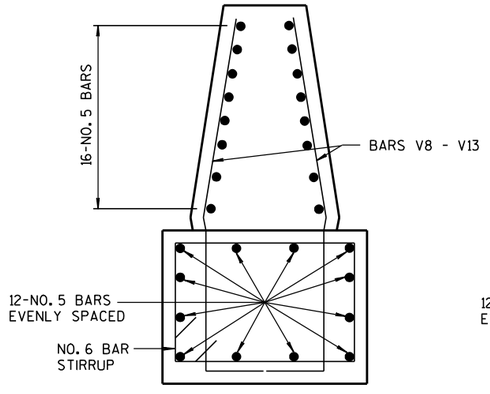
STIRRUP BAR
BENDING DETAIL



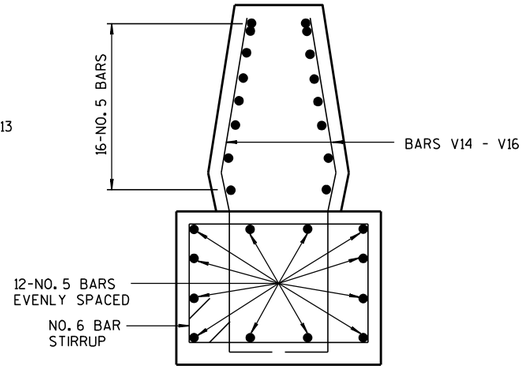
BAR DETAIL
SECTIONS V1 - V4



BAR DETAIL
SECTIONS V5 - V7



BAR DETAIL
SECTIONS V8 - V13



BAR DETAIL
SECTIONS V14 - V16

CONCRETE BARRIER
SINGLE SLOPE 42"
THRIE BEAM ANCHOR

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

6-3-2010
DATE

/S/ Jerry H. Z---
ROADWAY STANDARDS ENGINEER

591

FHWA

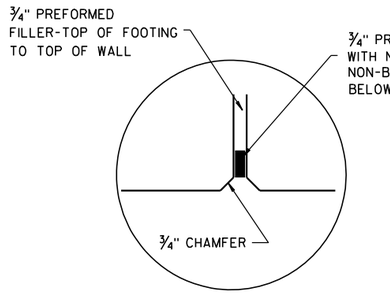
ENT

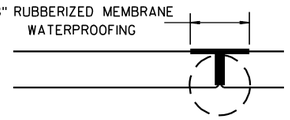
6

S.D.D. 14 B 33-1h

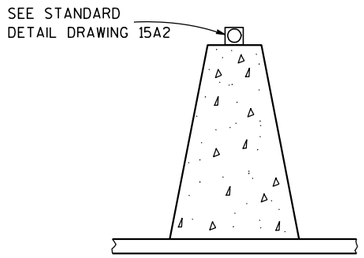
6

S.D.D. 14 B 33-1h





VERTICAL EXPANSION JOINT



DELINEATION

SPACING FOR DELINEATORS ON HORIZONTAL CURVES

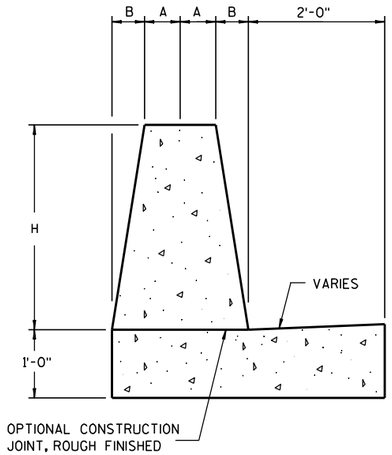
RADIUS OF CURVE	APPROXIMATE SPACING ON CURVE
50 FEET	20 FEET
115 FEET	25 FEET
180 FEET	35 FEET
250 FEET	40 FEET
300 FEET	50 FEET
400 FEET	55 FEET
500 FEET	65 FEET
600 FEET	70 FEET
700 FEET	75 FEET
800 FEET	80 FEET
900 FEET	85 FEET
1000 FEET	90 FEET

GENERAL NOTES

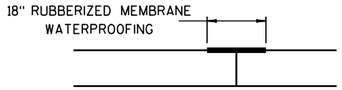
PROVIDE EXPANSION JOINTS WHERE EXISTING EXPANSION JOINTS OR AT THE END OF EACH POUR.

NO HORIZONTAL STEEL CROSSES EXPANSION JOINTS.

CONSTRUCT PER STANDARD SPECIFICATION 603.
SPLICES OF LONGITUDINAL BARS TO BE 2' LONG AND FIRMLY TIED AND FASETENED TOGETHER UNLESS NOTED OTHERWISES.
4000 PSI CONCRETE AIR ENTRAINMENT PER STANDARD SPECIFICATIONS 501.
USE ¾" BEVEL OR 1" RADIUS ON ALL EXPOSED SHARP EDGES UNLESS NOTED OTHERWISE.
2" CLEAR COVER (TYP.)



ROADSIDE RETAINING WALL



CONSTRUCTION JOINT

BARRIER HEIGHT H INCHES	A INCHES	B INCHES	NUMBER OF NO. 5 BARS EACH
36	6¼	5¾	8
42	5¼	6¾	10
56	3	9	11

V1 BAR BENDING DETAIL

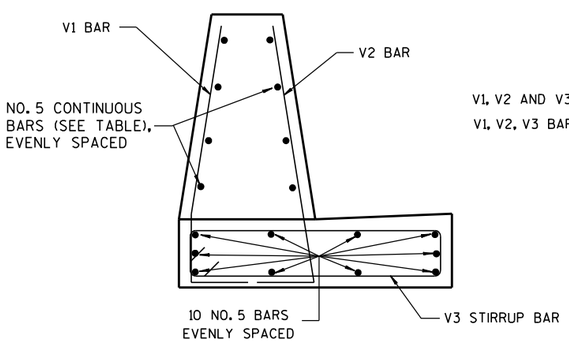
V2 BAR BENDING DETAIL

REFLECTOR SPACING

	LENGTH OF BARRIER	REFLECTOR SPACING	NO. SURFACES REFLECTORIZED	MIN. NO. REFLECTORS
ONE WAY TRAFFIC	< 200' > 200'	50' C-C 100' C-C	1 1	3
TWO WAY TRAFFIC	< 200' > 200'	25' C-C 50' C-C	1 1	6
TWO WAY TRAFFIC	< 200' > 200'	50' C-C 100' C-C	2 2	3

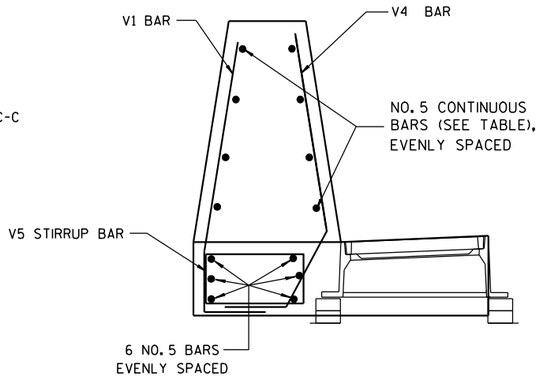
BAR CHART ROADSIDE RETAINING WALL

BARRIER HEIGHT	V1 BAR D	V2 BAR E	V4 BAR F
36"	2'-9⅝"	3'-9¾"	2'-8"
42"	3'-3⅝"	4'-2⅝"	3'-2⅛"
56"	4'-7½"	5'-6½"	4'-4⅜"

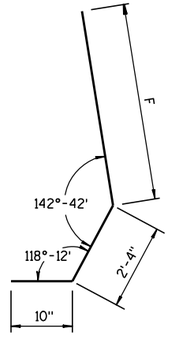


V1, V2 AND V3 ARE SPACED 18" C-C
V1, V2, V3 BARS ARE NO. 5 BARS

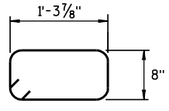
ROADSIDE RETAINING WALL NORMAL BAR PLACEMENT



ROADSIDE RETAINING WALL BAR PLACEMENT NEAR INLET



V4 BAR BENDING DETAIL



V5 STIRRUP BAR BENDING DETAIL

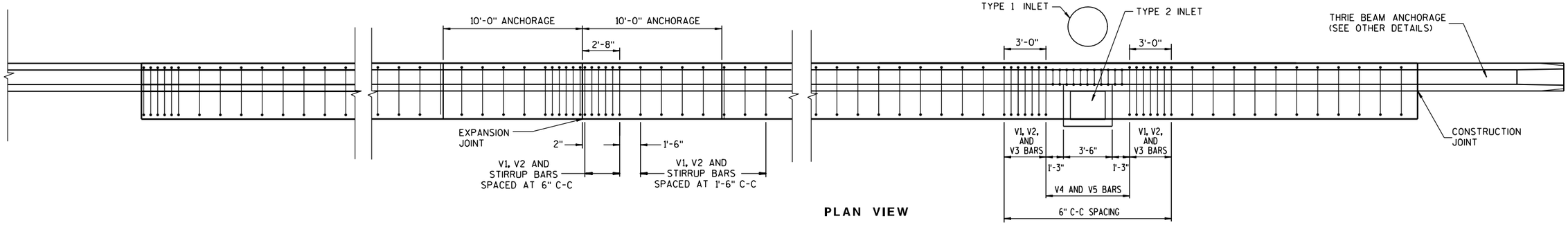


V3 STIRRUP BAR BENDING DETAIL

SINGLE SLOPE ROADSIDE RETAINING WALL

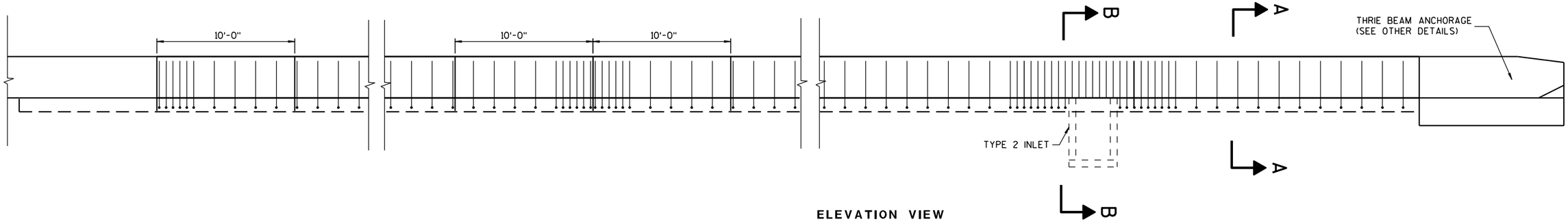
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6
S.D.D. 14 B 41-1a



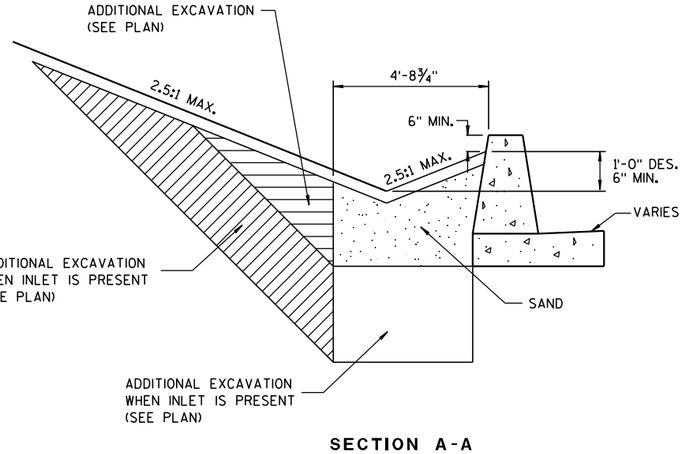
PLAN VIEW

NOTE: HORIZONTAL BARS ARE NOT SHOWN
SEE OTHER DETAILS FOR HORIZONTAL BARS.

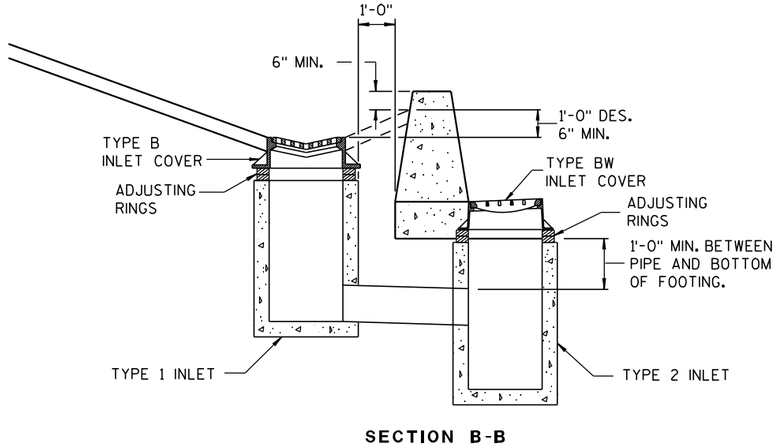


ELEVATION VIEW

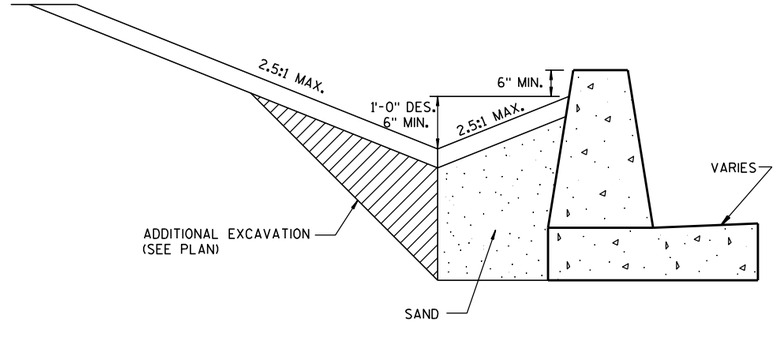
NOTE: HORIZONTAL BARS ARE NOT SHOWN
SEE OTHER DETAILS FOR HORIZONTAL BARS.



SECTION A-A



SECTION B-B



MINIMUM DESIGN OF EARTH WORK

MINIMUM DESIGN OF EARTH WORK FOR INLET

SINGLE SLOPE ROADSIDE RETAINING WALL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
6/13/2011
DATE
FHWA

/S/ Jerry H. Zaaa
ROADWAY STANDARDS ENGINEER
593
ENT

6

S.D.D. 14 B 41-1b

6

S.D.D. 14 B 41-1b

GENERAL NOTES

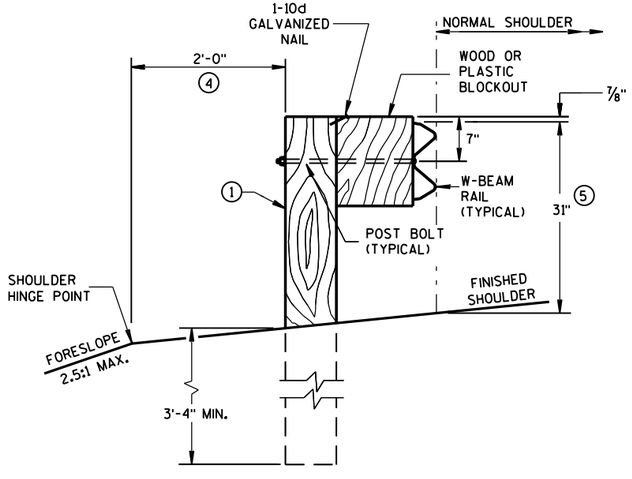
1. WOOD OR STEEL POSTS (w6X9 OR w6X8.5) MAY BE USED. DO NOT INTERMIX WOOD AND STEEL POSTS. INSTALL STEEL POSTS WITH HOLES ON APPROACHING TRAFFIC SIDE.

2. USE WOOD OR APPROVED PLASTIC BLOCKOUTS. WOOD BLOCKOUTS MAY BE CONSTRUCTED OUT OF TWO OR MORE WOOD BLOCKOUTS. SEE ALTERNATE WOOD BLOCKOUT DETAIL. DIMENSIONS OF APPROVED PLASTIC BLOCKOUTS MAY VARY.

3. IF ROCK IS ENCOUNTERED DURING EXCAVATION, PROVIDE A HOLE 12 INCHES IN DIAMETER EXTENDING 20 INCHES DEEP INTO THE ROCK. PLACE APPROXIMATELY 2½INCHES OF GRANULAR MATERIAL IN THE BOTTOM OF THE HOLE. CUT THE POSTS THE TO LENGTH AMD INSTALL. BACKFILL WITH EXCAVATED MATERIAL AND COMPACT. BACKFILL IS TO BE FREE OF LARGE ROCKS.

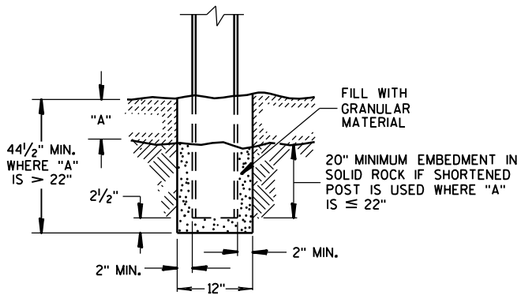
4. WHEN THE DISTANCE FROM BACK OF POST TO SHOULDER HINGE POINT IS LESS THAN 2 FEET INSTALL LONGER POST AT HALF POST SPACING (K).

5. FOR NEW MGS INSTALLATION TOP OF W-BEAM RAIL TOLERANCE IS ± 1". FOR EXISTING MGS INSTALLATION TOP OF W-BEAM IS BETWEEN 27¾" TO 32".



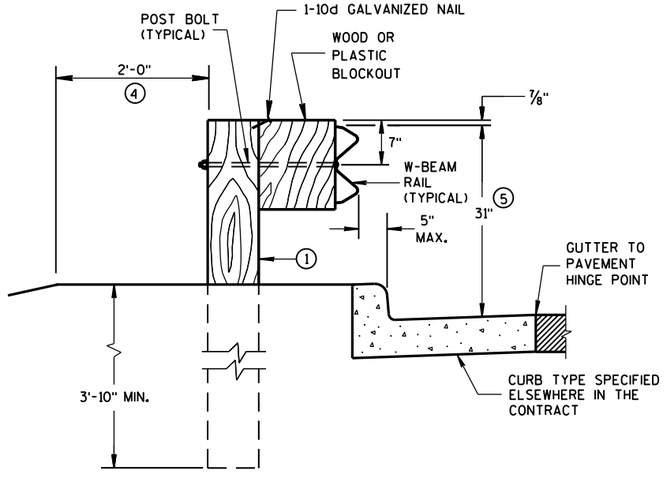
END VIEW

LOCATED ALONG A ROADWAY SHOULDER
STANDARD INSTALLATION



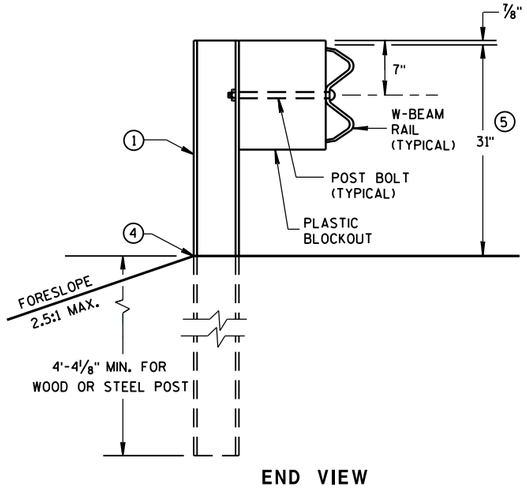
END VIEW

SETTING STEEL OR WOOD POST IN ROCK 3



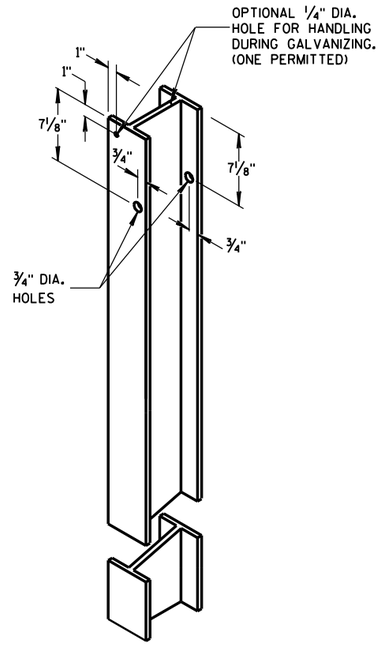
END VIEW

LOCATED ALONG A CURBED ROADWAY

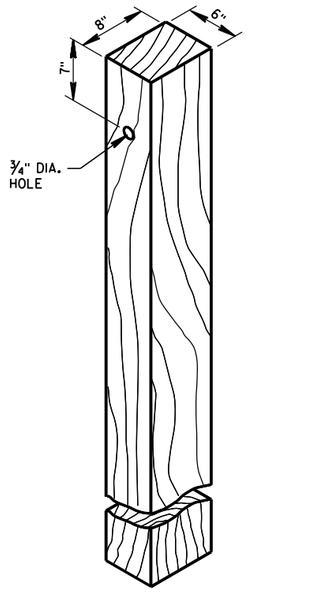


END VIEW

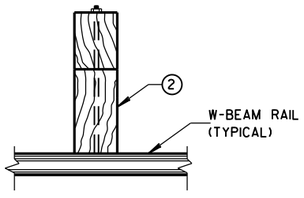
MGS LONGER POST AT HALFPOST SPACING W BEAM (K)



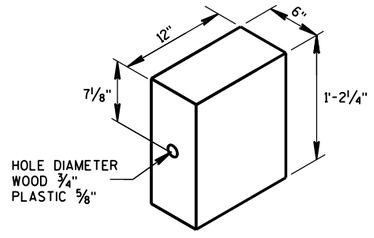
STEEL POST &
HOLE PUNCHING DETAIL
(w6X9) 1



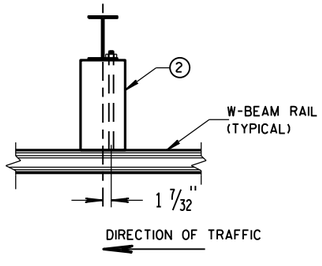
WOOD POST
(6" X 8") NOMINAL 1



PLAN VIEW
WOOD POST,
BLOCKOUT & BEAM



WOOD OR
PLASTIC BLOCKOUT 2

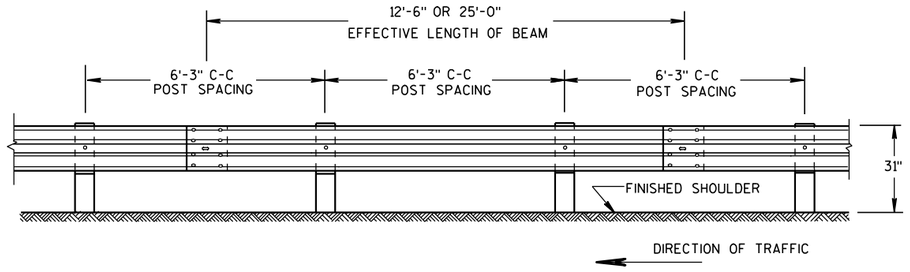


PLAN VIEW
STEEL POST,
PLASTIC BLOCKOUT & BEAM

MIDWEST GUARDRAIL SYSTEM
(MGS) GUARDRAIL

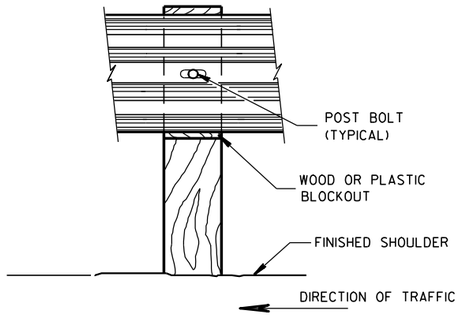
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

6
S.D.D. 14 B 42-2a



FRONT VIEW

POST SPACING STANDARD INSTALLATION



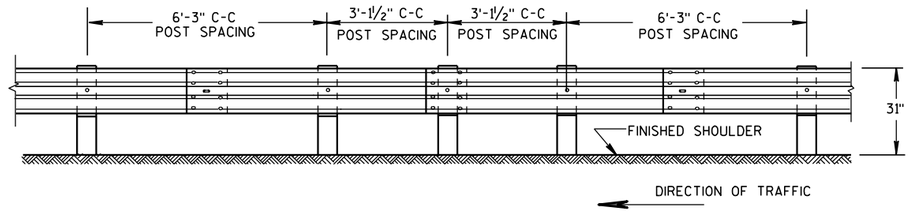
FRONT VIEW AT WOOD POST

GENERAL NOTES

1. PROVIDE TYPE "H" SILVER REFLECTIVE SHEETING ON ALL REFLECTORS EXCEPT THOSE LOCATED ALONG THE LEFT EDGE OF ONE-WAY ROADWAYS, WHICH SHALL BE PROVIDED WITH TYPE "H" YELLOW REFLECTIVE SHEETING.
2. DO NOT INSTALL REFLECTORS ON THE FIRST 50 FEET OF THE APPROACH END OF THE ENERGY ABSORBING TERMINAL. RAIL SPLICE LOCATIONS ARE THE ONLY ACCEPTABLE LOCATIONS FOR REFLECTORS.
3. REVERSE EVERY OTHER REFLECTOR FOR 2-WAY VISIBILITY. THE CONTRACTOR MAY FURNISH TWO-SIDED REFLECTORS IN LIEU OF ONE-SIDED REFLECTORS.
4. PROVIDE AN ANGLE OF BEND OF 90° ± 1° FOR TWO-SIDED REFLECTORS.
5. 25 FEET OF HALF POST SPACING IS REQUIRED ON APPROACH AND DEPARTURE ENDS OF QUARTER POST SPACING.

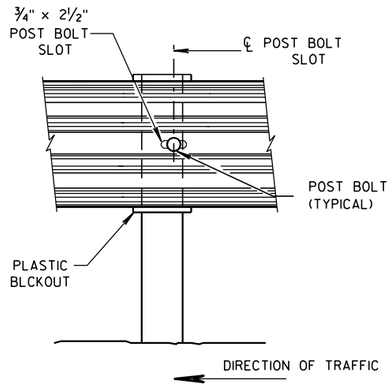
POST BOLTS ARE A 5/8" DIAMETER ASTM A307 GUARDRAIL BOLT. A POST BOLT REQUIRES 5/8" DIAMETER A563A DOUBLE RECESSED (DR) HEAVY HEX NUT AND 5/8" DIAMETER F844 FLAT WASHER. POST BOLTS MAY BE LONGER IF MULTIPLE BLOCKOUTS ARE BEING USED.

GUARD RAIL SPLICE BOLTS ARE A 5/8" DIAMETER ASTM A307 GUARDRAIL HEAD BOLT. A GUARDRAIL SPLICE BOLT REQUIRES 5/8" DIAMETER A563A DOUBLE RECESSED (DR) HEAVY HEX NUT.

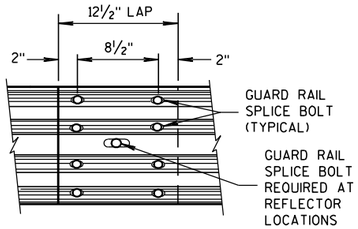


FRONT VIEW

HALF POST SPACING (HS) AND HALF POST SPACING WITH LONGER POSTS (K)

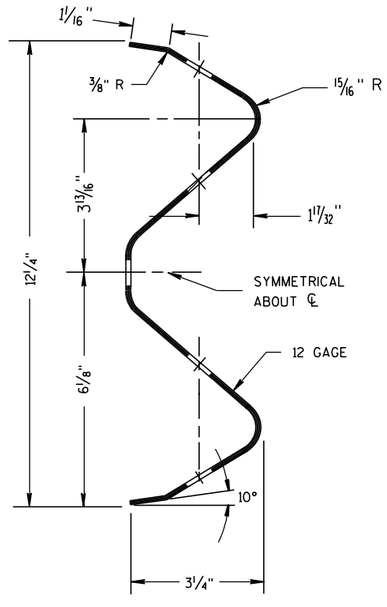


FRONT VIEW AT STEEL POST

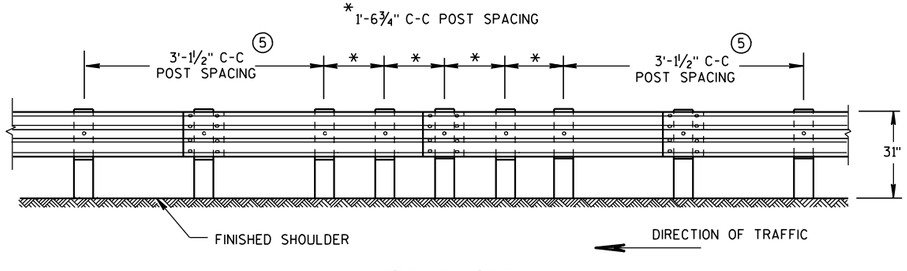


FRONT VIEW

MID-SPAN BEAM SPLICE

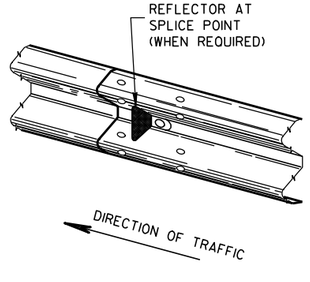


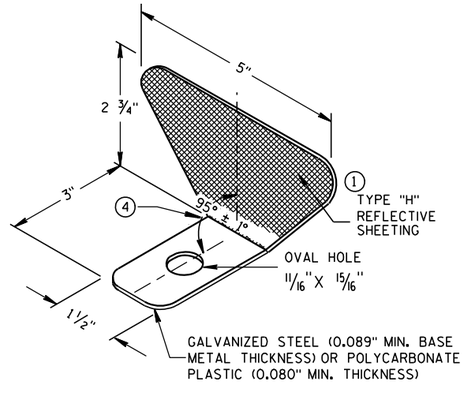
SECTION THRU W-BEAM RAIL



FRONT VIEW

QUARTER POST SPACING (QS)





ONE SIDED REFLECTOR DETAIL AND TYPICAL INSTALLATION ①

REFLECTOR SPACING ②

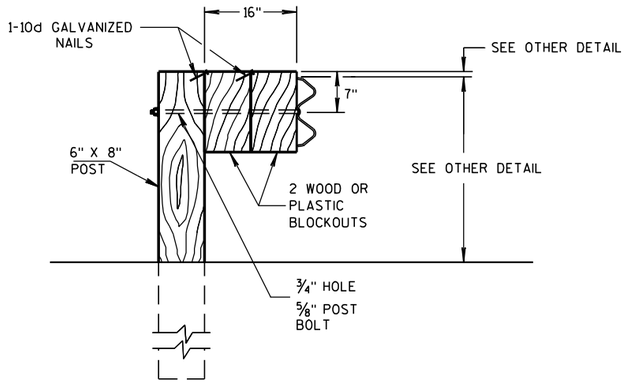
	BEAM GUARD LENGTH	REFLECTOR SPACING	NO. SURFACES REFLECTORIZED	MIN. NO. REFLECTORS
ONE WAY TRAFFIC	< 200' > 200'	50' C-C 100' C-C	1 1	3
TWO WAY TRAFFIC	< 200' > 200'	25' C-C 50' C-C	1 ③ 1	6
TWO WAY TRAFFIC	< 200' > 200'	50' C-C 100' C-C	2 ④ 2	3

MIDWEST GUARDRAIL SYSTEM
(MGS) GUARDRAIL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

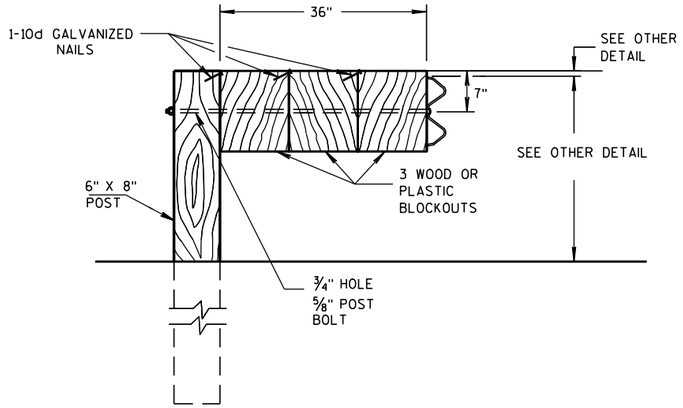
S.D.D. 14 B 42-2b

S.D.D. 14 B 42-2b



DETAIL FOR 16" BLOCKOUT DEPTH

IT IS ACCEPTABLE TO USE BLOCKOUTS UP TO 16" DEEP TO INCREASE THE POST OFFSET TO AVOID UNDERGROUND OBSTACLES. THERE IS NO LIMIT TO THE NUMBER OF POSTS THAT CAN HAVE ADDITIONAL BLOCKOUTS UP TO 16" DEEP.

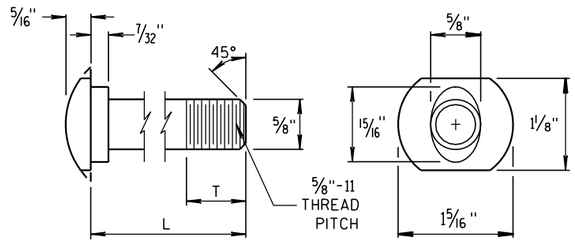


DETAIL FOR 36" BLOCKOUT DEPTH

NOTES: UNDER SPECIAL CIRCUMSTANCES, SUCH AS AVOIDING OBSTACLES THAT ARE NOT RELOCATED, IT IS ACCEPTABLE TO INSTALL ADDITIONAL BLOCKOUTS TO OBTAIN UP TO 36" DEPTH FOR ONE OR TWO POSTS IN A SECTION OF GUARDRAIL.

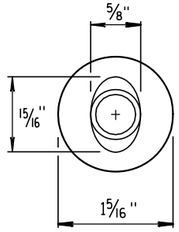
DO NOT USE 16" OR 36" BLOCKOUTS IF IT CAUSES THE POST TO BE DRIVEN BEYOND SHOULDER HINGE POINT OR CAUSES A FIXED OBJECT TO BE WITHIN THE DEFLECTION DISTANCE OF THE BARRIER.

NOTE: 1. ALL FILLETS SHALL HAVE A MINIMUM RADIUS OF 1/16".
2. IF THE BOLT EXTENDS MORE THAN 1/4" FROM THE NUT THE BOLT SHOULD BE TRIMMED BACK.

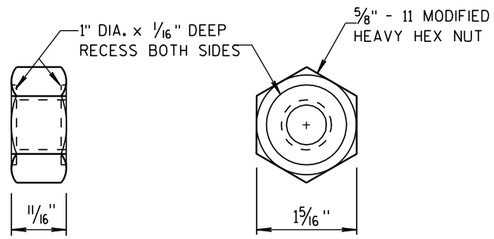


POST BOLT TABLE

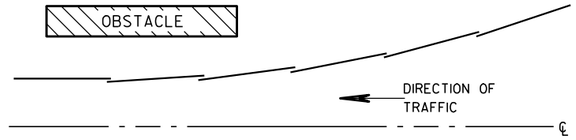
L	T (MIN.)
1 1/4"	1 1/8"
2"	1 3/4"
10"	4"
14"	4 1/16"
18"	4"
21"	4 1/16"
25"	4"



ALTERNATE BOLT HEAD

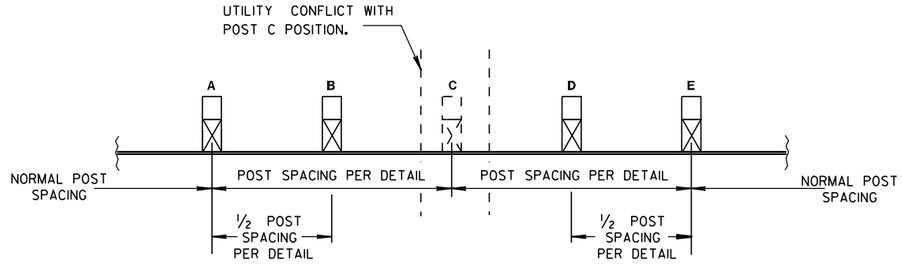


POST BOLT AND RECESS NUT

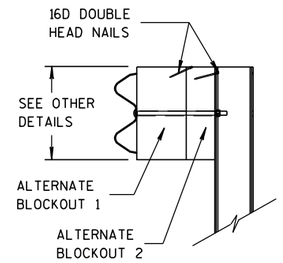


PLAN VIEW

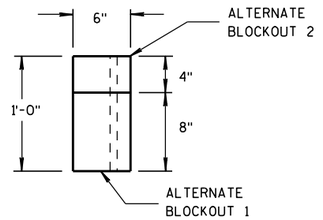
BEAM LAPPING DETAIL



POST DRIVING FOR CONTINUOUS UNDERGROUND OBSTRUCTION



SIDE VIEW



TOP VIEW

ALTERNATE WOOD BLOCKOUT DETAIL

MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

11/15/2011 DATE

/S/ Jerry H. [illegible]
ROADWAY STANDARDS ENGINEER

FHWA

596

ENT

6

S.D.D. 14 B 42-2c

6

S.D.D. 14 B 42-2c

GENERAL NOTES

(A) THE SLOPE IN THE AREA BOUNDED BY THE EXTENDED VEHICLE RUNOUT PATH (EVRP), THE HINGE POINT LINE (HPL),AND THE CLEAR ZONE LIMITS (CZL) SHALL BE 4:1 OR FLATTER.

(B) AFTER FINAL ASSEMBLY, RECHECK CABLE TO BE SURE IT IS TAUT AND HAS NOT RELAXED.

(C) DIFFERENT MANUFACTURES REQUIRE DIFFERENT PERFORATED W-BEAM RAIL END PANELS. SEE MANUFACTURES INFORMATION.

(D) THE TOP OF THE STEEL TUBE ON POST 1 AND POST 2 SHALL NOT BE MORE THAN 3" ABOVE THE FINISH GROUND ELEVATION.

(F) SHEETING IS ATTACHED TO 0.040 ALUMINUM SHEET AND ATTACHED TO E.A.T. HEAD USING 4 STAINLESS STEEL SELF-TAPPING SCREWS. ONE SCREW PER CORNER OF E.A.T.

(G) ½" DIAMETER X 3" LONG LAG BOLT AND WASHER.

(H) HARDWARE VARIES BETWEEN DIFFERENT MANUFACTURES. SEE MANUFACTURE'S DRAWING FOR INFORMATION.

(I) DIMENSIONS MAY VARY. SEE MANUFACTURE'S INFORMATION.

SEE SDD 14B42 FOR MORE INFORMATION.

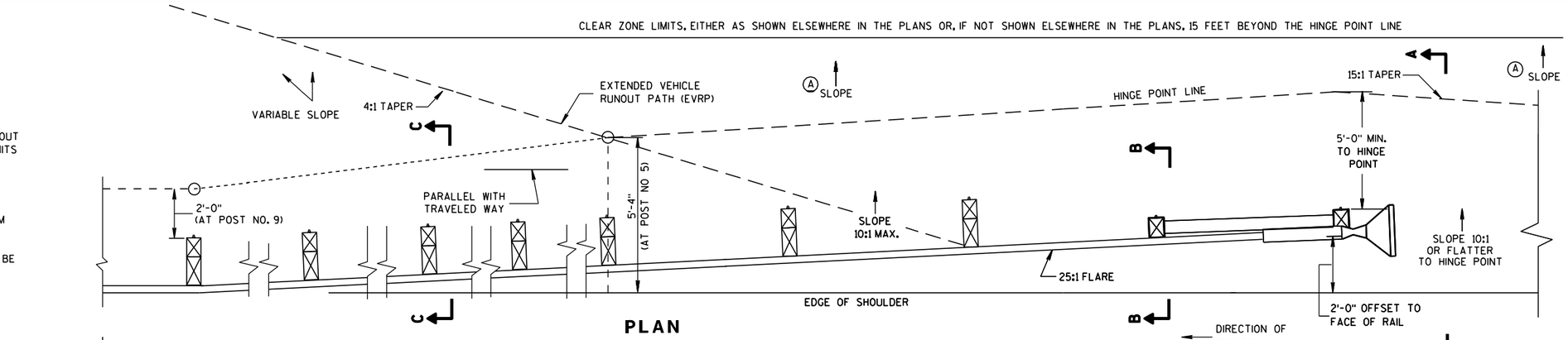
* DO NOT ATTACH BLOCKOUTS TO POSTS 1 AND 2.

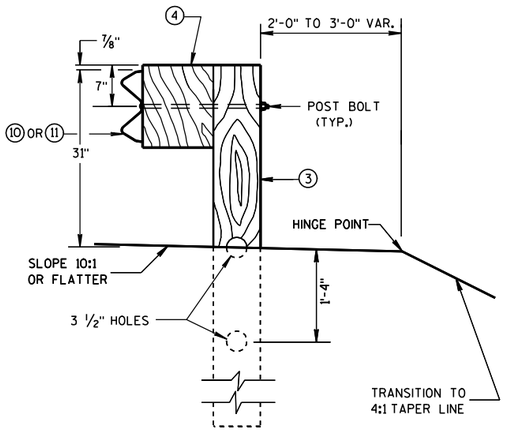
DO NOT INSTALL REFLECTORS ON THE FIRST 50 FEET OF THE APPROACH END OF THE ENERGY ABSORBING TERMINAL.

W-BEAM RAIL SPLICES ARE LOCATED AT POST NUMBER 3, AND BETWEEN POST 5 AND 6, BETWEEN POSTS 7 AND 8, AND MIDDLE OF THE SPAN AFTER POST 9.

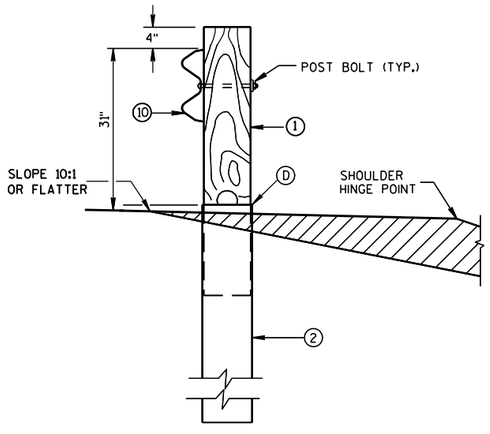
PATTERN AND COLORS ON REFLECTIVE SHEETING TYPE H ARE TO CONFORM TO OM3-L OR OM3-R OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.

THE CENTER OF THE UPPER 3½" DIAMETER HOLE ON POST NUMBER 3 THROUGH POST 9 IS TO BE FLUSH WITH THE GROUND LINE (± ¾")

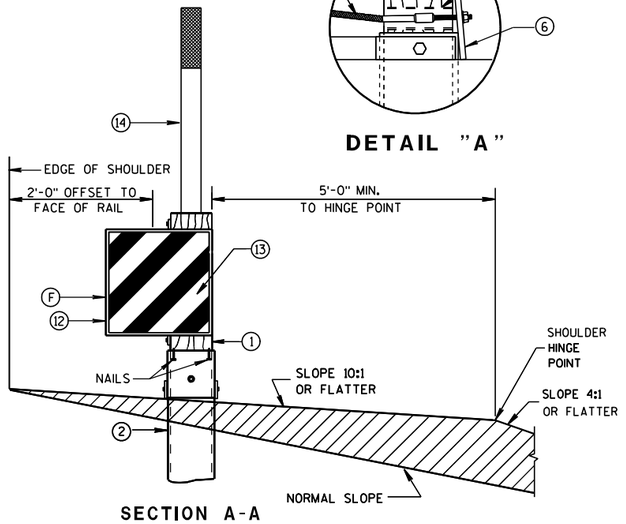




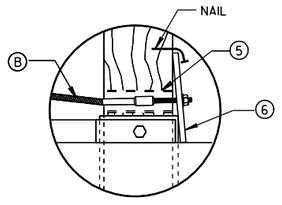
SECTION C-C
TYPICAL AT POST NOS. 3-9



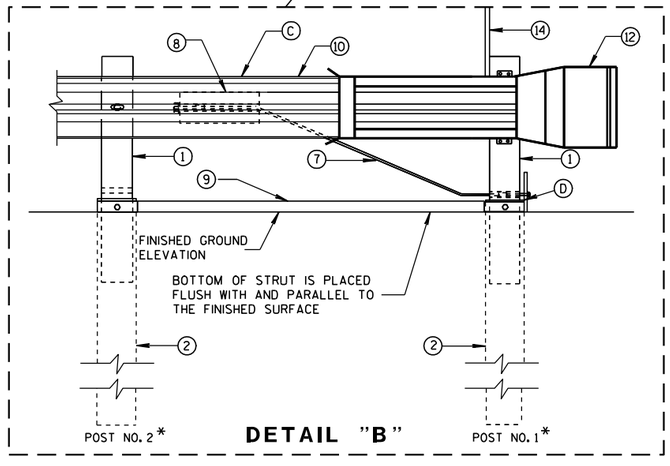
SECTION B-B
TYPICAL AT POST NO. 2*



SECTION A-A
TYPICAL AT POST NO. 1*



DETAIL "A"



DETAIL "B"

MIDWEST GUARDRAIL SYSTEM
ENERGY ABSORBING TERMINAL (MGS)

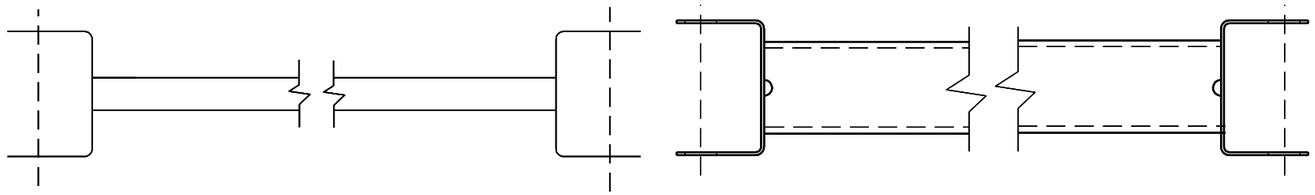
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

S.D.D. 14 B 44-1a

6

S.D.D. 14 B 44-1a

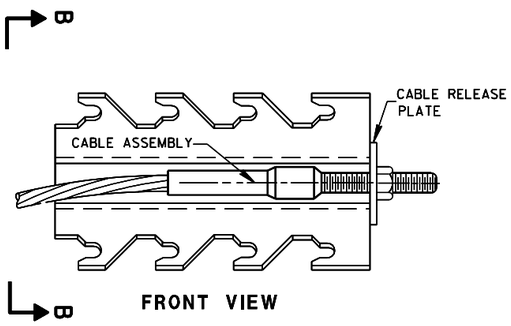


(9) (H)

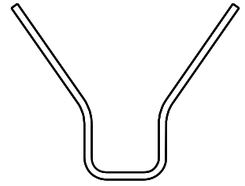
GENERIC GROUND STRUT

BILL OF MATERIALS

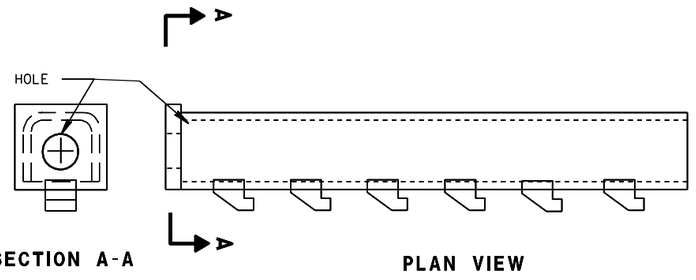
PART NO.	DESCRIPTION MATERIALS PROVIDED BY MGS EAT MANUFACTURER. SEE MANUFACTURER'S DETAILS FOR MORE INFORMATION.
(1)	WOOD BREAKAWAY POST
(2)	6" X 8" X 0.188", 6'-0" LONG FOUNDATION TUBE AT POSTS 1 AND 2
(3)	WOOD CRT
(4)	WOOD BLOCKOUT
(5)	PIPE SLEEVE
(6)	BEARING PLATE
(7)	BCT CABLE ASSEMBLY
(8)	ANCHOR CABLE BOX
(9)	GROUND STRUT
(10)	PERFORATED W-BEAM RAIL END PANEL, 12'-6" LONG.
(11)	STANDARD W-BEAM RAIL. MULTIPLE SECTIONS REQUIRED. SECTIONS VARY IN LENGTH.
(12)	END SECTION EAT
(13)	0.040" ALUMINUM SHEET WITH REFLECTIVE SHEETING TYPE H (ONLY THE SHEETING IS SUPPLIED BY THE MANUFACTURER)
(14)	EAT MARKER POST - YELLOW (SEE APPROVED PRODUCTS LIST)



FRONT VIEW



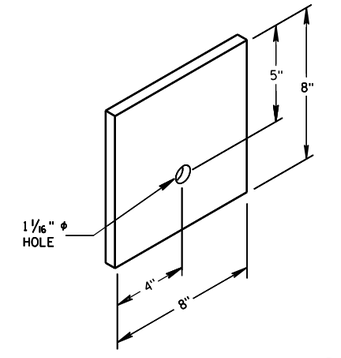
SECTION B-B



SECTION A-A

PLAN VIEW

GENERIC ANCHOR CABLE BOX (8) (H)



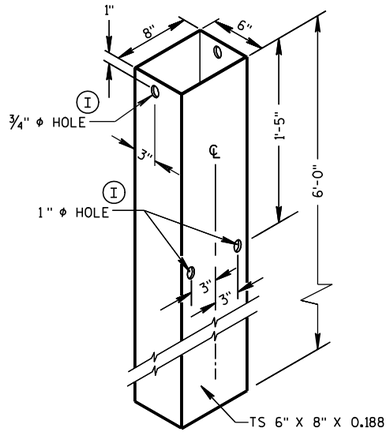
BEARING PLATE (6)

MIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MGS)

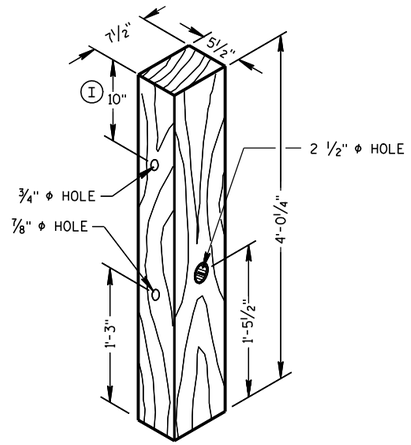
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

S.D.D. 14 B 44-1b

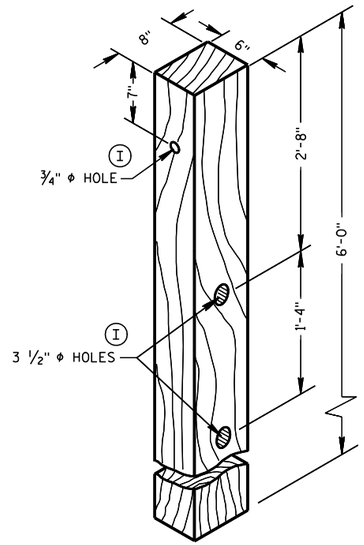


FOUNDATION TUBE (2)



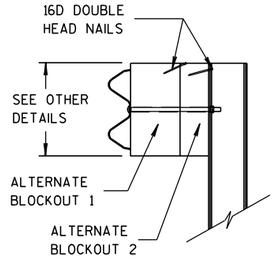
POSTS NUMBER 1 AND 2

WOOD BREAKAWAY POST (1)

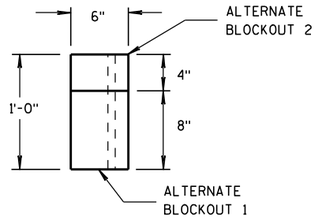


POSTS NUMBER 3-9

WOOD CRT POST (3)

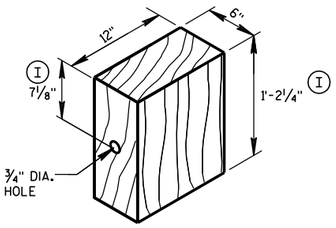


SIDE VIEW



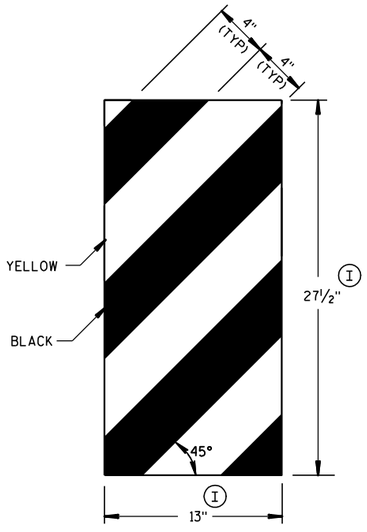
TOP VIEW

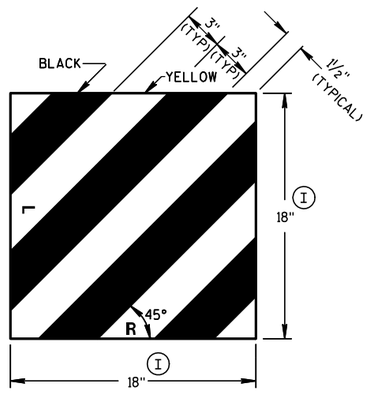
ALTERNATE WOOD BLOCKOUT DETAIL



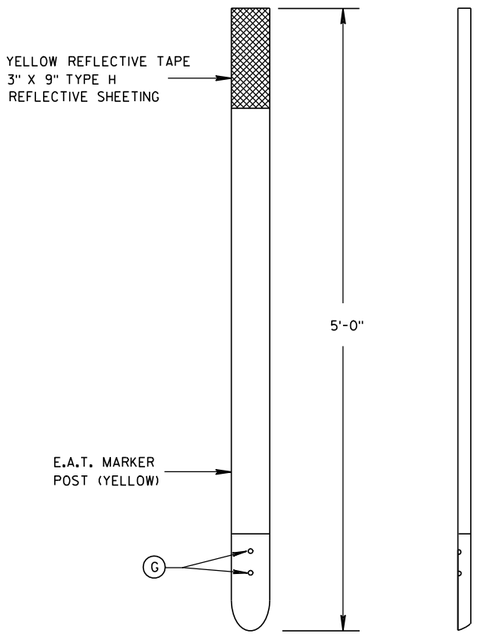
WOOD BLOCKOUT (4)

REQ'D. AT ALL POSTS EXCEPT POST NO'S 1 & 2





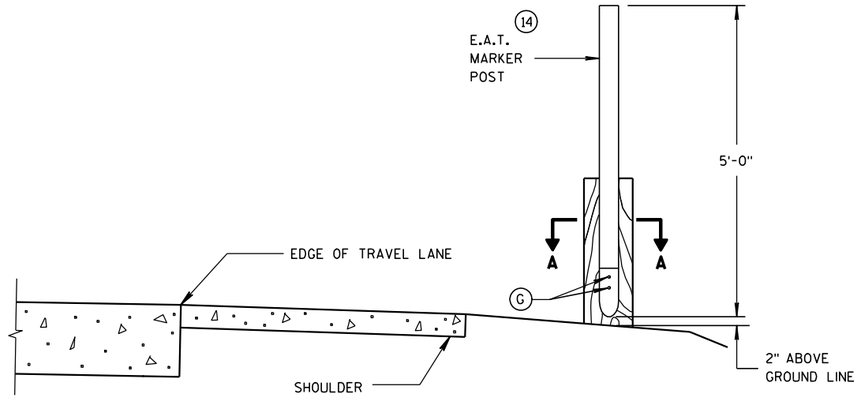
GENERIC REFLECTIVE SHEETING (13) (H)



FRONT VIEW

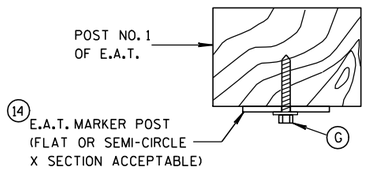
SIDE VIEW

E.A.T. MARKER POST (14)



TYPICAL INSTALLATION OF E.A.T. MARKER POST BACKSIDE OF POST NO. 1

(E.A.T. AND RAIL REMOVED FOR CLARITY)



SECTION A-A

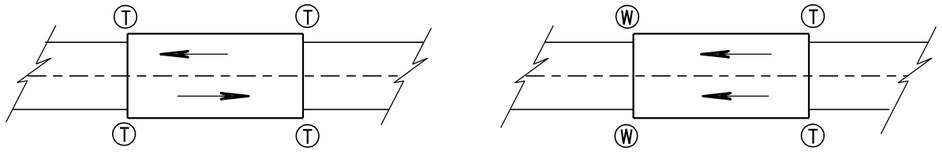
MIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MGS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
5/23/2011
DATE
/S/ Jerry H. [illegible]
ROADWAY STANDARDS 599
ENGINEER
FHWA

6

S.D.D. 14 B 44-1c



TWO WAY TRAFFIC

ONE WAY TRAFFIC

Ⓣ THRIE BEAM CONNECTION

Ⓦ W-BEAM CONNECTION WHEN REQUIRED

TYPICAL LOCATIONS OF THRIE BEAM AND W-BEAM CONNECTIONS TO BRIDGE

GENERAL NOTES

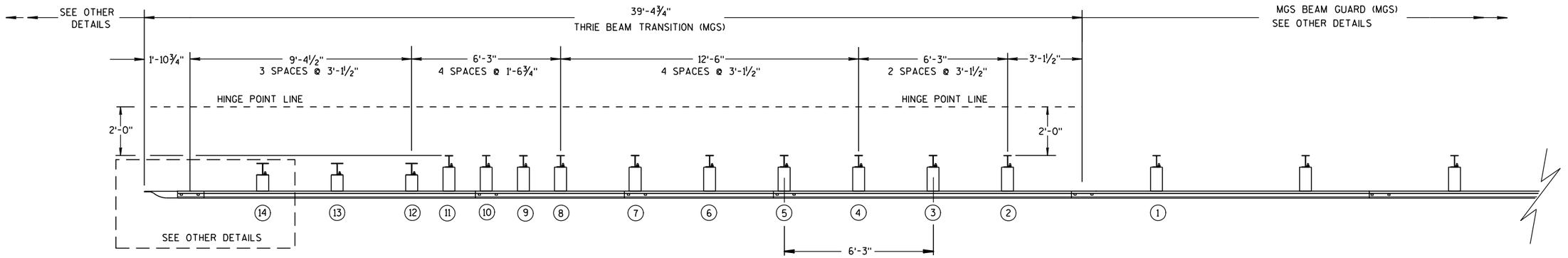
BOLT THE THRIE BEAM TO ALL POSTS AND BLOCKOUTS. DRILL OR PUNCH BOLT HOLES IN THE BEAM IF THE POST SPACING IS LESS THAN 6'-3.

IF ROCK IS ENCOUNTERED, REMOVE ROCK TO FULL DEPTH OF POST PLUS 2½", AND 12" DIAMETER AROUND POST. SEE 14B42 FOR MORE DETAILS.

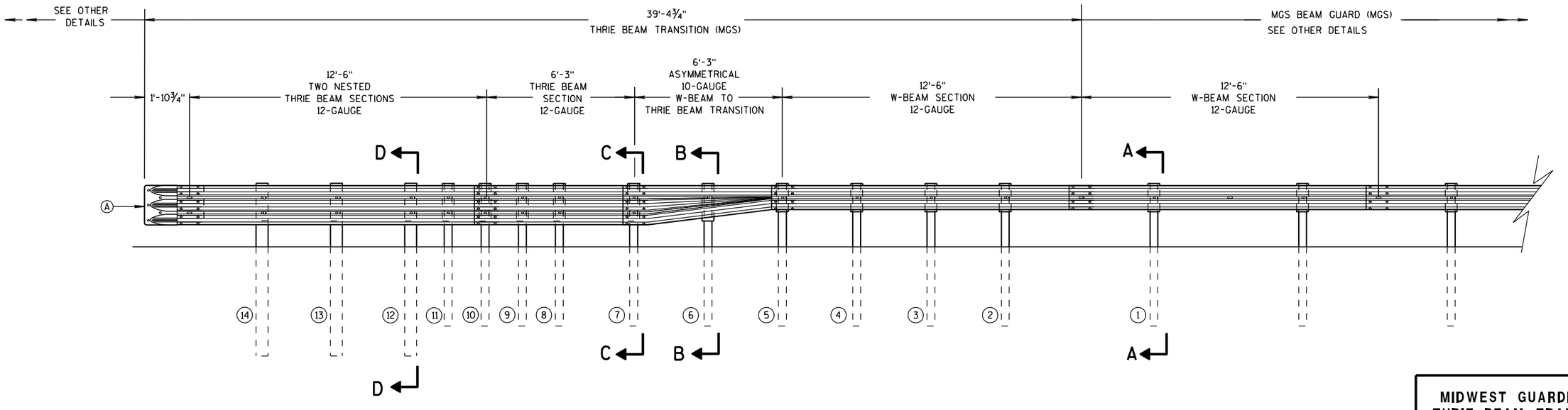
TRANSITION USES STEEL POSTS ONLY.

SEE STANDARD DETAIL DRAWING 14 B 42 FOR MORE INFORMATION.

Ⓐ BRIDGE RAILING TYPE "W" DOES NOT REQUIRE A TERMINAL CONNECTOR.



PLAN VIEW



ELEVATION VIEW

MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION

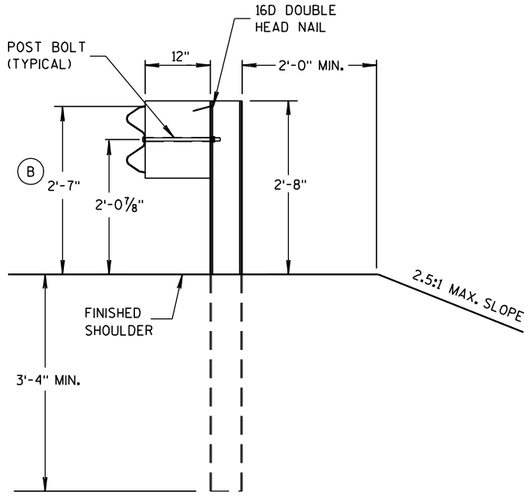
MIDWEST GUARDRAIL SYSTEM
THRIE BEAM TRANSITION (MGS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPO...

6
S.D.D. 14 B 45-3a

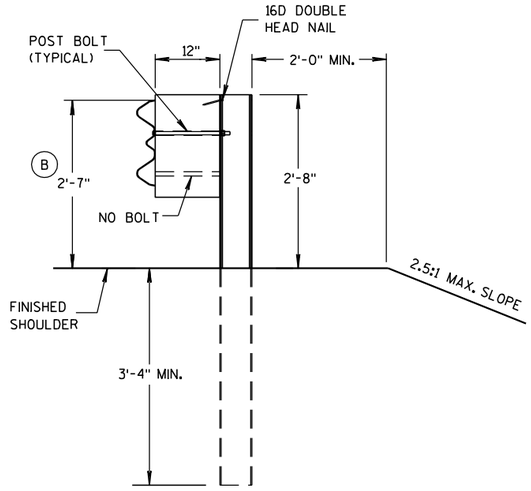
GENERAL NOTES

(B) TOLERANCE FOR TOP OF W-BEAM RAIL IS ± 1".



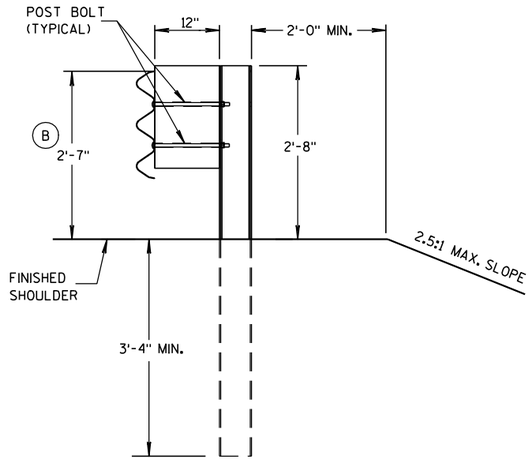
SECTION A-A

POSTS 1-5



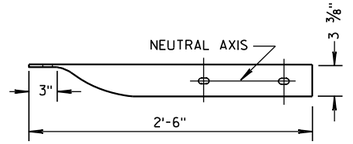
SECTION B-B

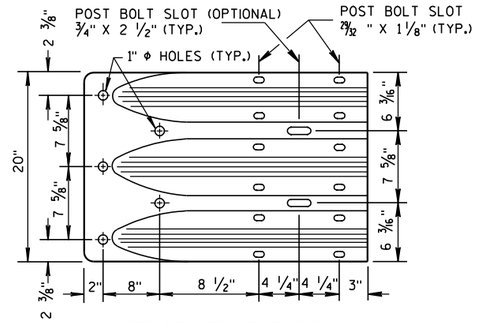
POST 6



SECTION C-C

POSTS 7-11





THRIE BEAM TERMINAL CONNECTOR

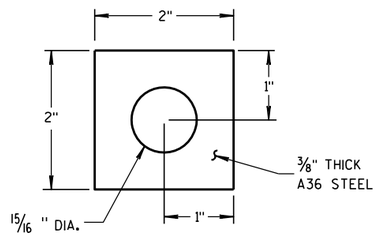
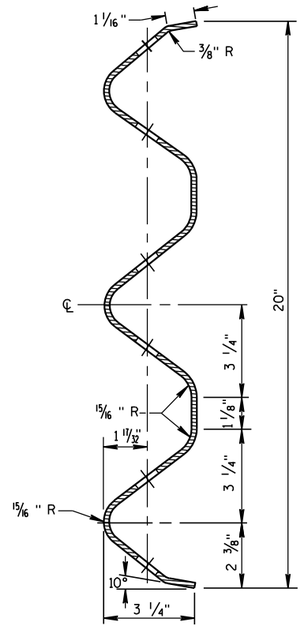
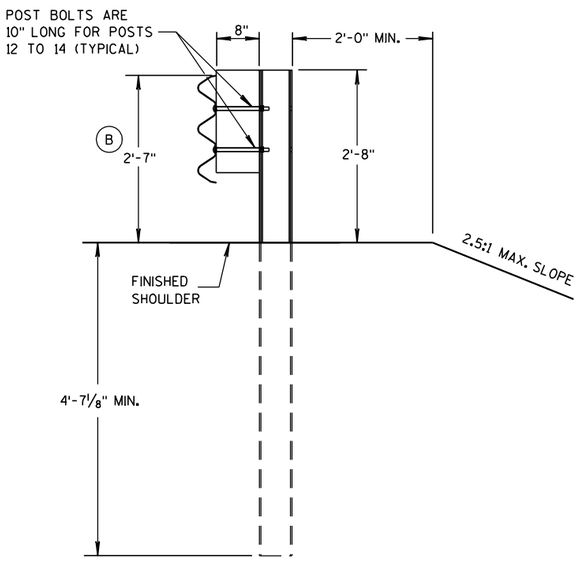


PLATE WASHER DETAIL

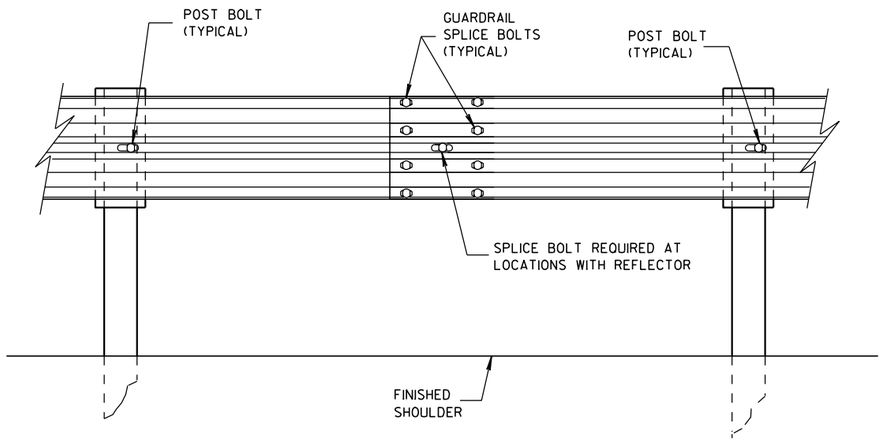


SECTION THRU THRIE BEAM RAIL ELEMENT



SECTION D-D

POSTS 12-14



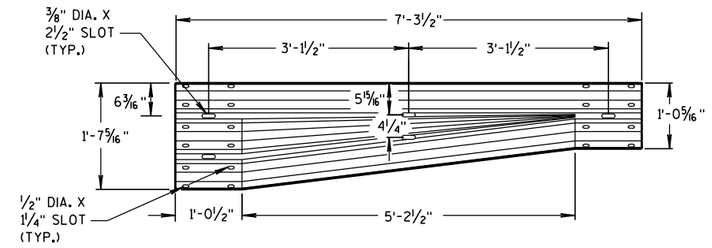
SPLICE DETAIL

MIDWEST GUARDRAIL SYSTEM
THRIE BEAM TRANSITION (MGS)

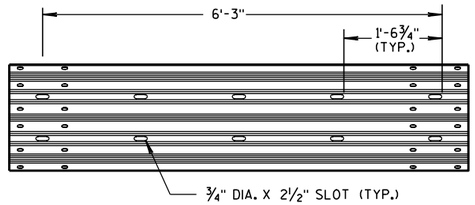
STATE OF WISCONSIN
DEPARTMENT OF TRANSPO...

6

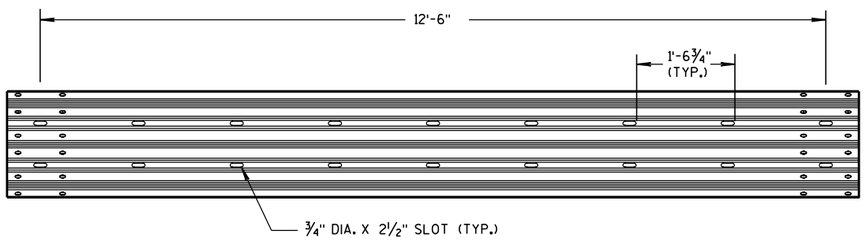
S.D.D. 14 B 45-3b



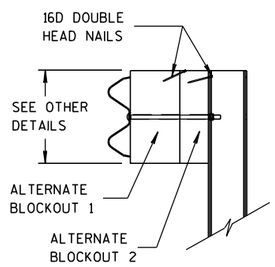
W-BEAM TO THRIE BEAM TRANSITION SECTION



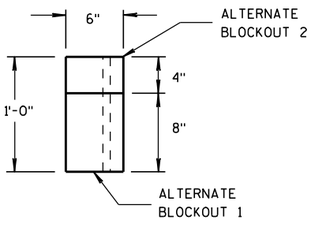
6'-3" THRIE BEAM SECTION



12'-6" THRIE BEAM SECTION

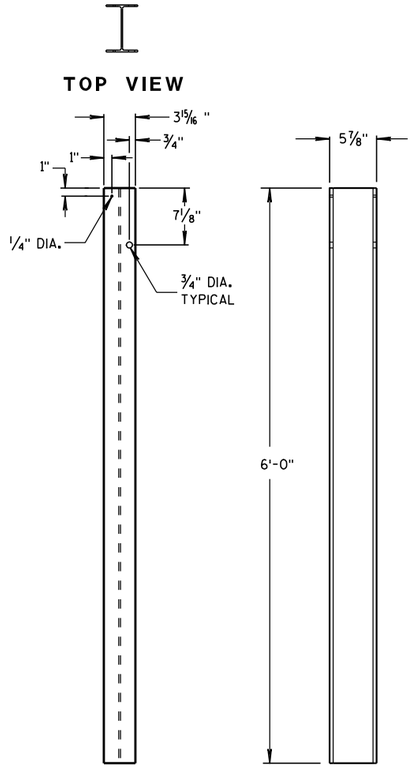


SIDE VIEW

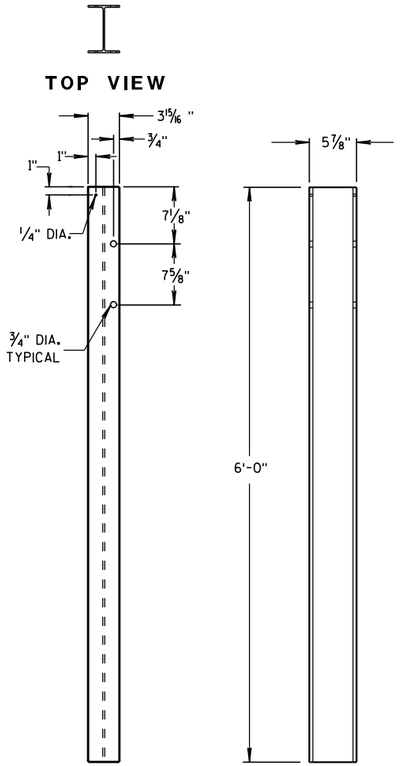


TOP VIEW

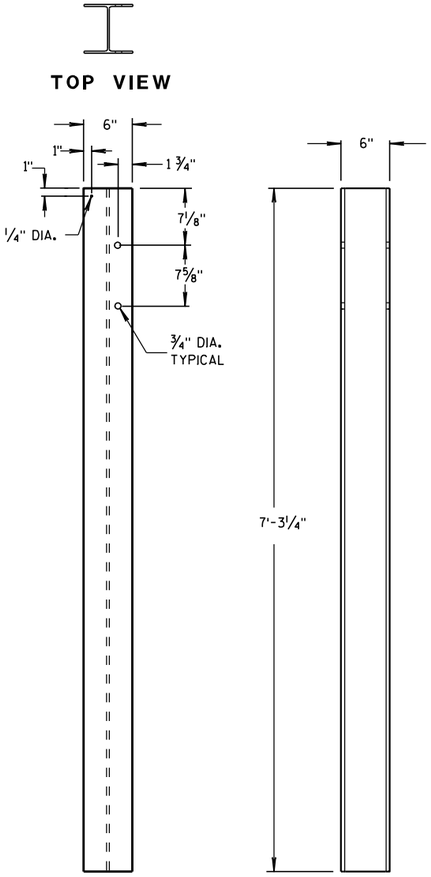
ALTERNATE WOOD BLOCKOUT DETAIL



STEEL POSTS 1-5

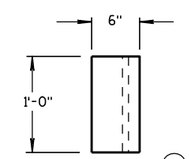


STEEL POSTS 6-11

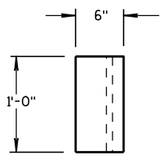


STEEL POSTS 12-14

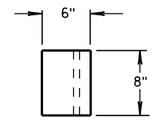
1 WOOD BLOCKS MAY BE CONSTRUCTED OUT OF 2 WOOD BLOCKS. SEE ALTERNATE WOOD BLOCK DETAIL.



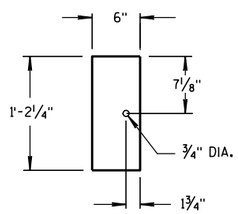
TOP VIEW (1)



TOP VIEW (1)

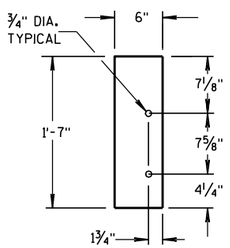


TOP VIEW



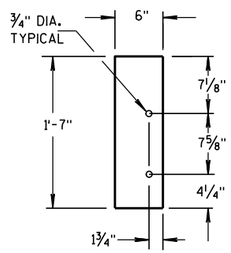
FRONT VIEW

BLOCKOUT POSTS 1-5



FRONT VIEW

BLOCKOUT POSTS 6-11



FRONT VIEW

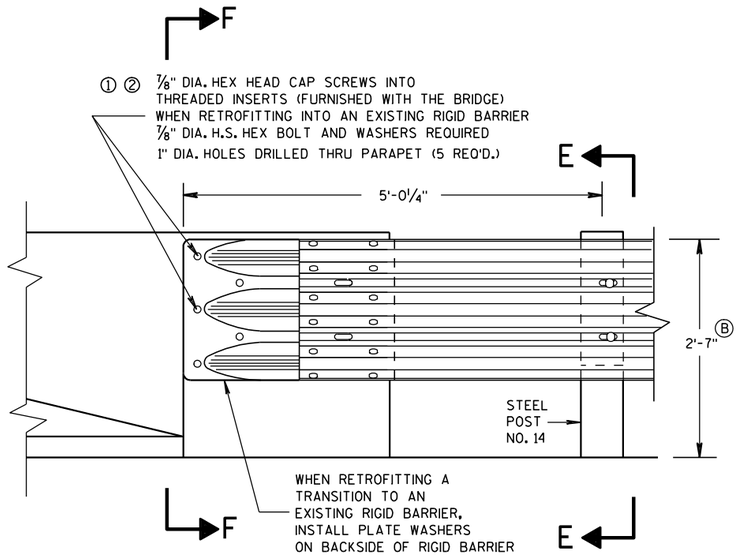
BLOCKOUT POSTS 12-14

STEEL POST SIZES

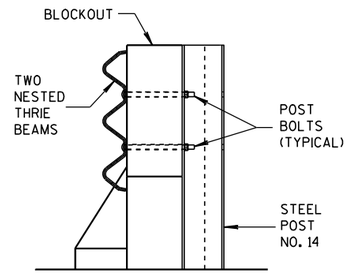
POST NUMBER	SECTION TYPE	LENGTH
1	W6x9	72"
2	W6x9	72"
3	W6x9	72"
4	W6x9	72"
5	W6x9	72"
6	W6x9	72"
7	W6x9	72"
8	W6x9	72"
9	W6x9	72"
10	W6x9	72"
11	W6x9	72"
12	W6x15	87 1/8"
13	W6x15	87 1/8"
14	W6x15	87 1/8"

MIDWEST GUARDRAIL SYSTEM
THRIE BEAM TRANSITION (MGS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION



FRONT VIEW



SECTION E-E

GENERAL NOTES

THESE ARE TYPICAL CONNECTION DETAILS. ADJUST THE POSTION OF CONNECTIONS TO EXISTING BRIDGES TO FIT THE ACTUAL BRIDGE AND SITE DIMENSIONS.

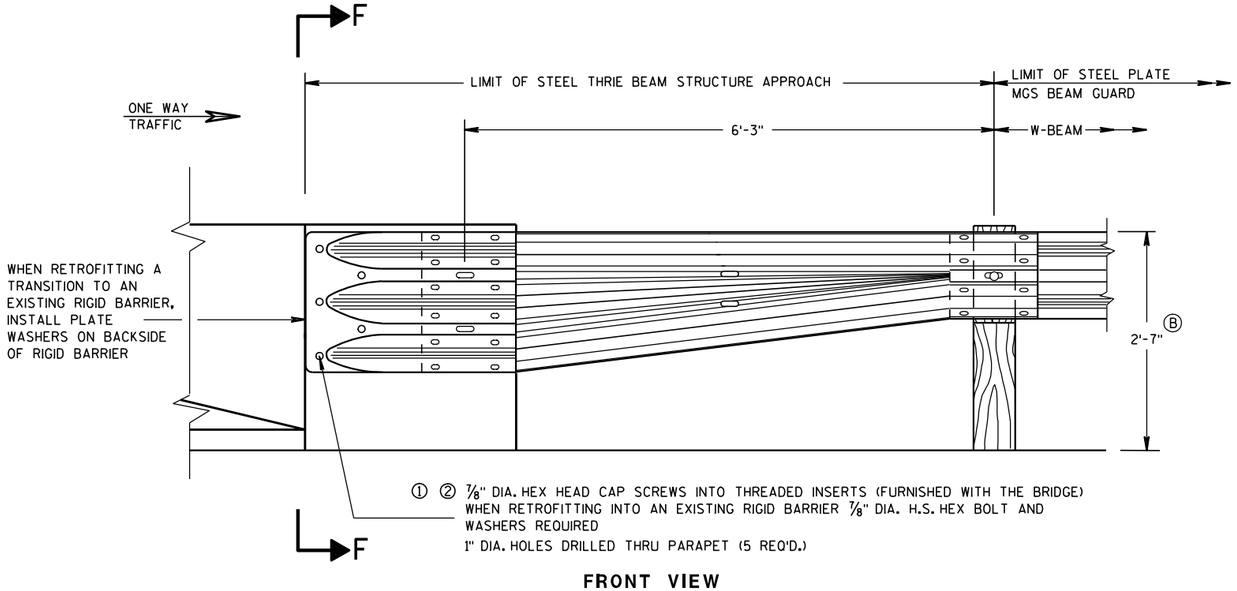
① DRILLING BOLT HOLES THROUGH THE PARAPET, BOLTS, NUTS, WASHERS AND REPAIRING DAMAGED CONCRETE ARE INCIDENTAL TO THE CONTRACT.

② BOLTS MAY BE A325 BOLTS OR A449 BOLTS. BOLT LENGTH AND THREADING LENGTH ARE TO ALLOW FOR A TIGHT CONNECTION BETWEEN RIGID BARRIER AND THRIE BEAM CONNECTION PLATE. CONTRACTOR IS TO FIELD VERIFY BOLT LENGTH AND THREAD LENGTH. ONE ROUND WASHER REQUIRED BETWEEN BOLT HEAD AND THRIE BEAM CONNECTOR PLATE. BOLTS THAT EXTEND THROUGH THE PARAPET AND OUT THE BACK FACE REQUIRE A HARDENED ROUND STEEL WASHER THAT IS 2" O.D. X 5/8" THICK AND ONE PLATE WASHER. REPAIR ANY DAMAGED CONCRETE FROM BOLT INSTALLATION.

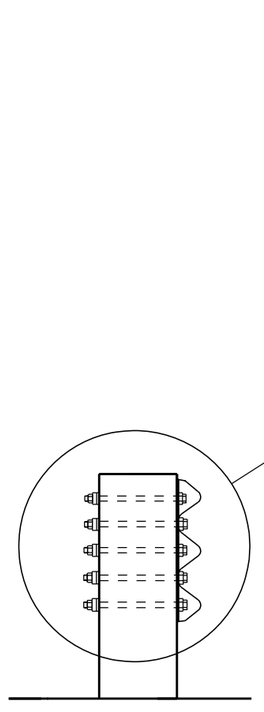
③ THE RECESS FOR A W-BEAM CONNECTION, WHICH EXISTS ON SOME PARAPETS OF THIS TYPE, SHALL BE FILLED WITH A TREATED TIMBER BLOCKOUT. BLOCKOUT SIZE IS 1'-6" X 2'-0" X 3 1/2".

Ⓑ TOLERANCE FOR TOP OF BEAM IS ± 1".

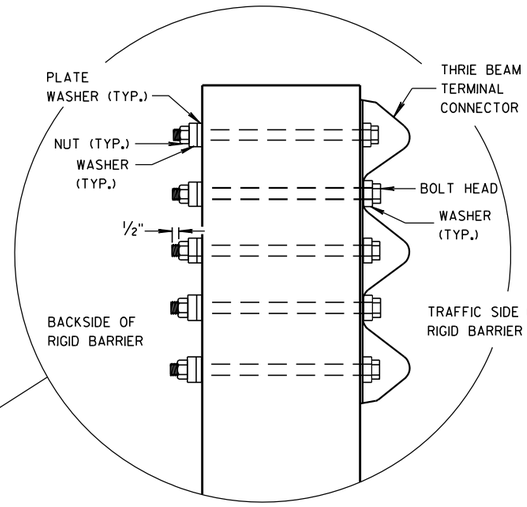
THRIE BEAM CONNECTION TO BRIDGE PARAPET WITH SQUARE ENDS



FRONT VIEW



SECTION F-F



W BEAM TRANSITION AND CONNECTION TO BRIDGE PARAPETS WITH SQUARE ENDS

(USE ONLY ON THE TRAFFIC EXIT END OF ONE WAY BRIDGES)

MIDWEST GUARDRAIL SYSTEM
THRIE BEAM TRANSITION (MGS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

8/31/2012 — DATE

/S/ Jerry H. [illegible] — ROADWAY STANDARDS (603) — ENGINEER

FHWA

6

S.D.D. 14 B 45-3d

6

S.D.D. 14 B 45-3d

GENERAL NOTES

THESE ARE TYPICAL CONNECTION DETAILS. ADJUST THE POSTION OF CONNECTIONS TO EXISTING BRIDGES TO FIT THE ACTUAL BRIDGE AND SITE DIMENSIONS.

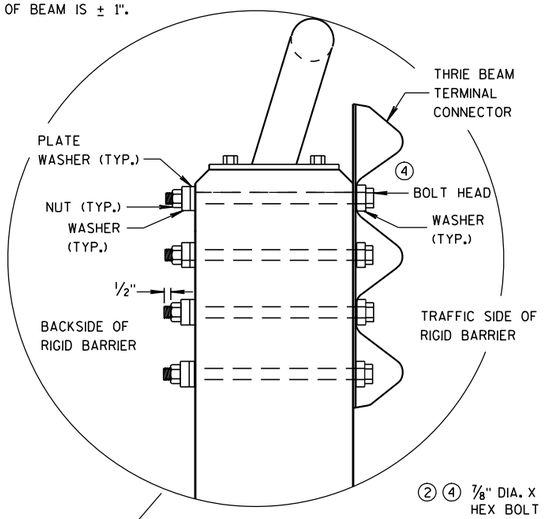
① DRILLING BOLT HOLES THROUGH THE PARAPET, BOLTS, NUTS, WASHERS AND REPAIRING DAMAGED CONCRETE ARE INCIDENTAL TO THE CONTRACT.

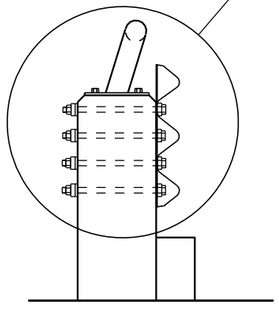
② BOLTS MAY BE A325 BOLTS OR A449 BOLTS. BOLT LENGTH AND THREADING LENGTH ARE TO ALLOW FOR A TIGHT CONNECTION BETWEEN RIGID BARRIER AND THRIE BEAM CONNECTION PLATE. CONTRACTOR IS TO FIELD VERIFY BOLT LENGTH AND THREAD LENGTH. ONE ROUND WASHER REQUIRED BETWEEN BOLT HEAD AND THRIE BEAM CONNECTOR PLATE. BOLTS THAT EXTEND THROUGH THE PARAPET AND OUT THE BACK FACE REQUIRE A HARDENED ROUND STEEL WASHER THAT IS 2" O.D. X 5/8" THICK AND ONE PLATE WASHER. REPAIR ANY DAMAGED CONCRETE FROM BOLT INSTALLATION.

③ THE RECESS FOR A W-BEAM CONNECTION, WHICH EXISTS ON SOME PARAPETS OF THIS TYPE, SHALL BE FILLED WITH A TREATED TIMBER BLOCKOUT. BLOCKOUT SIZE IS 1'-6" X 2'-0" X 3 1/2". BLOCK IS INCIDENTAL TO THE CONTRACT.

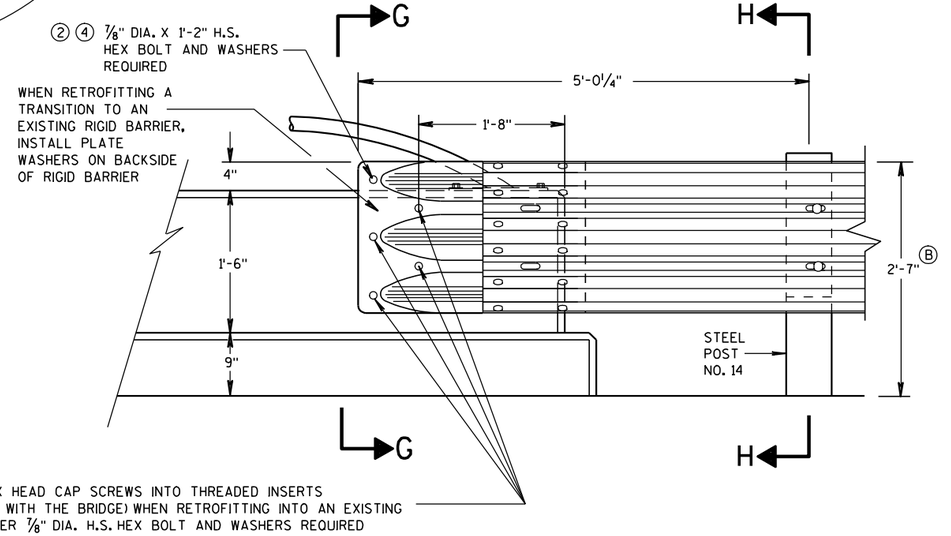
④ BOLT, NUT AND WASHERS NOT REQUIRED FOR THIS LOCATION WHEN RETROFITTING AN EXISTING PAPAPET AND THE HOLE IS EITHER ABOVE PARAPET OR WITHIN 4 INCHES OF THE EDGE OF PARAPET.

Ⓑ TOLERANCE FOR TOP OF BEAM IS ± 1".

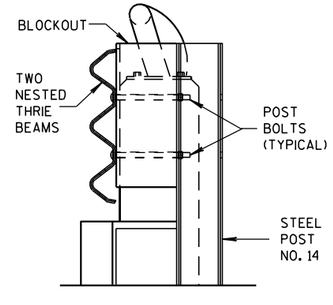




SECTION G-G

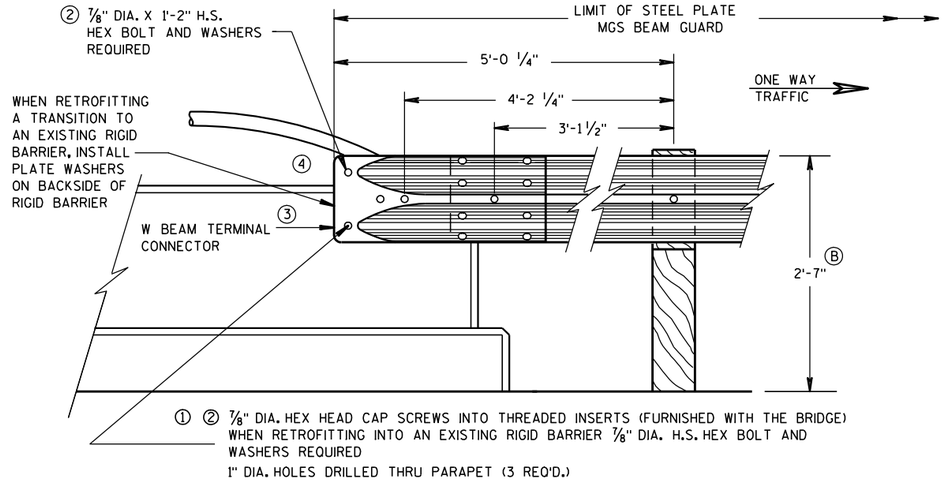


FRONT VIEW



SECTION H-H

THRIE BEAM CONNECTION TO VERTICAL FACED PARAPETS



FRONT VIEW

W BEAM CONNECTION TO VERTICAL FACE PARAPET
(USE ONLY ON THE TRAFFIC EXIT END OF ONE WAY BRIDGES)

MIDWEST GUARDRAIL SYSTEM
THRIE BEAM TRANSITION (MGS)

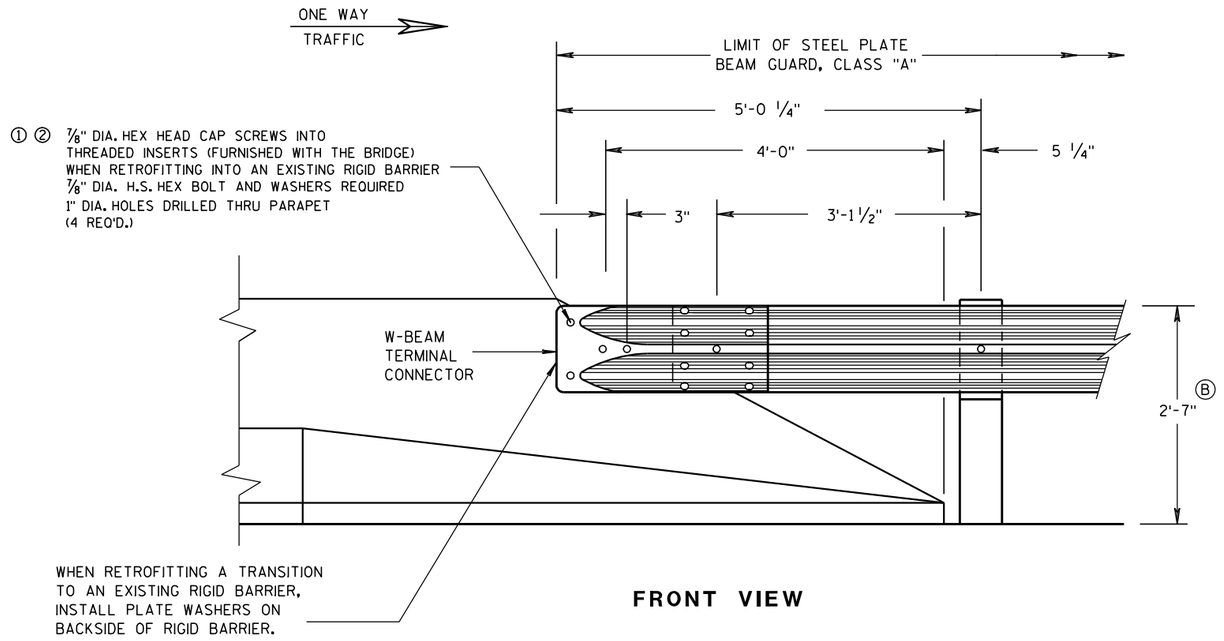
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

8-31-2012 — DATE

/S/ Jerry H. Zogg — ROADWAY STANDARDS DEVELOPMENT ENGINEER

FHWA



FRONT VIEW

W BEAM CONNECTION TO PARAPETS WITH SLOPED ENDS

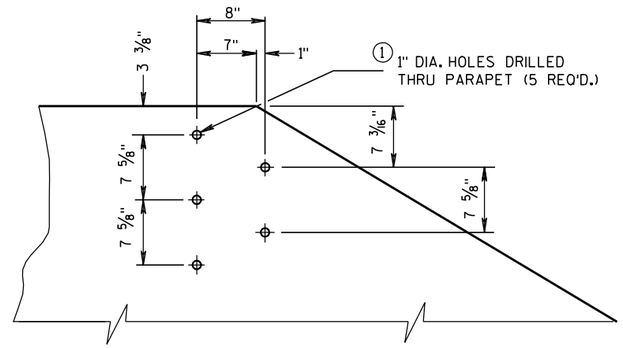
(USE ONLY AT TRAFFIC EXIT END OF ONE WAY BRIDGE)

GENERAL NOTES

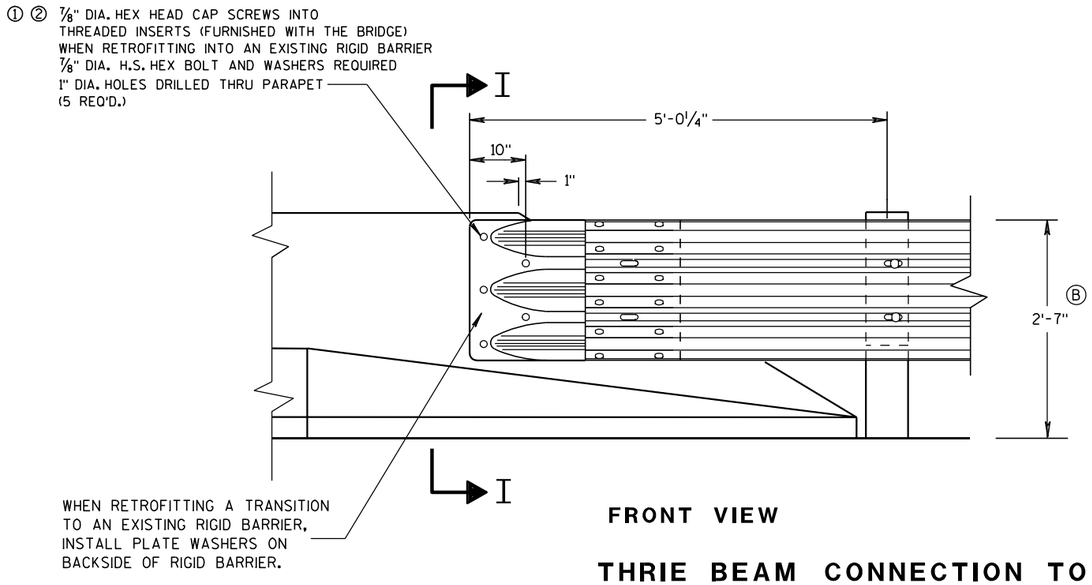
① DRILLING BOLT HOLES THROUGH THE PARAPET, BOLTS, NUTS, WASHERS AND REPAIRING DAMAGED CONCRETE ARE INCIDENTAL TO THE CONTRACT.

② BOLTS MAY BE A325 BOLTS OR A449 BOLTS. BOLT LENGTH AND THREADING LENGTH ARE TO ALLOW FOR A TIGHT CONNECTION BETWEEN RIGID BARRIER AND THRIE BEAM CONNECTION PLATE. CONTRACTOR IS TO FIELD VERIFY BOLT LENGTH AND THREAD LENGTH. ONE ROUND WASHER REQUIRED BETWEEN BOLT HEAD AND THRIE BEAM CONNECTOR PLATE. BOLTS THAT EXTEND THROUGH THE PARAPET AND OUT THE BACK FACE REQUIRE A HARDENED ROUND STEEL WASHER THAT IS 2" O.D. X 5/8" THICK AND ONE PLATE WASHER. REPAIR ANY DAMAGED CONCRETE FROM BOLT INSTALLATION.

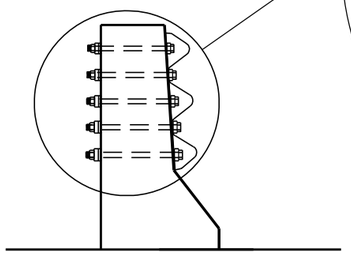
Ⓑ TOLERANCE FOR TOP OF BEAM IS ± 1".



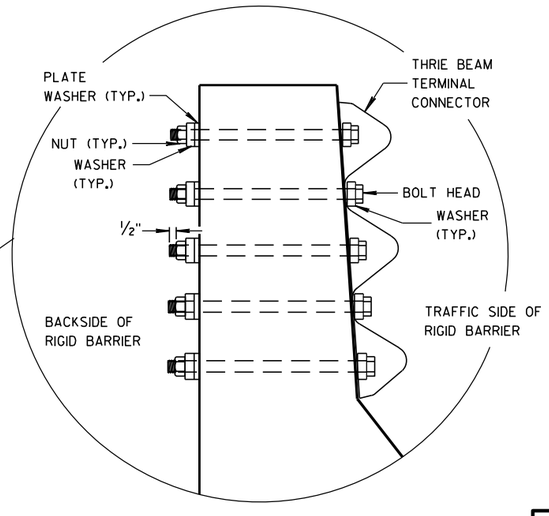
DRILL HOLE LOCATION AND PATTERN FOR THRIE BEAM CONNECTION



FRONT VIEW



SECTION I-I



THRIE BEAM CONNECTION TO BRIDGE PARAPETS WITH SLOPED ENDS

MIDWEST GUARDRAIL SYSTEM
THRIE BEAM TRANSITION (MGS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

8/31/2012
DATE

/S/ Jerry H. Zogg
ROADWAY STANDARDS ENGINEER

605

ENT

FHWA

6

S.D.D. 14 B 45-3f

6

S.D.D. 14 B 45-3f

GENERAL NOTES

COVER PLATE PANELS ARE 3/16" THICK.

ALL STIFFENERS ARE 1/4" THICK.

CONNECTOR PLATE SHALL BE FABRICATED FROM ASTM GRADE A36 STEEL AND GALVANIZED.

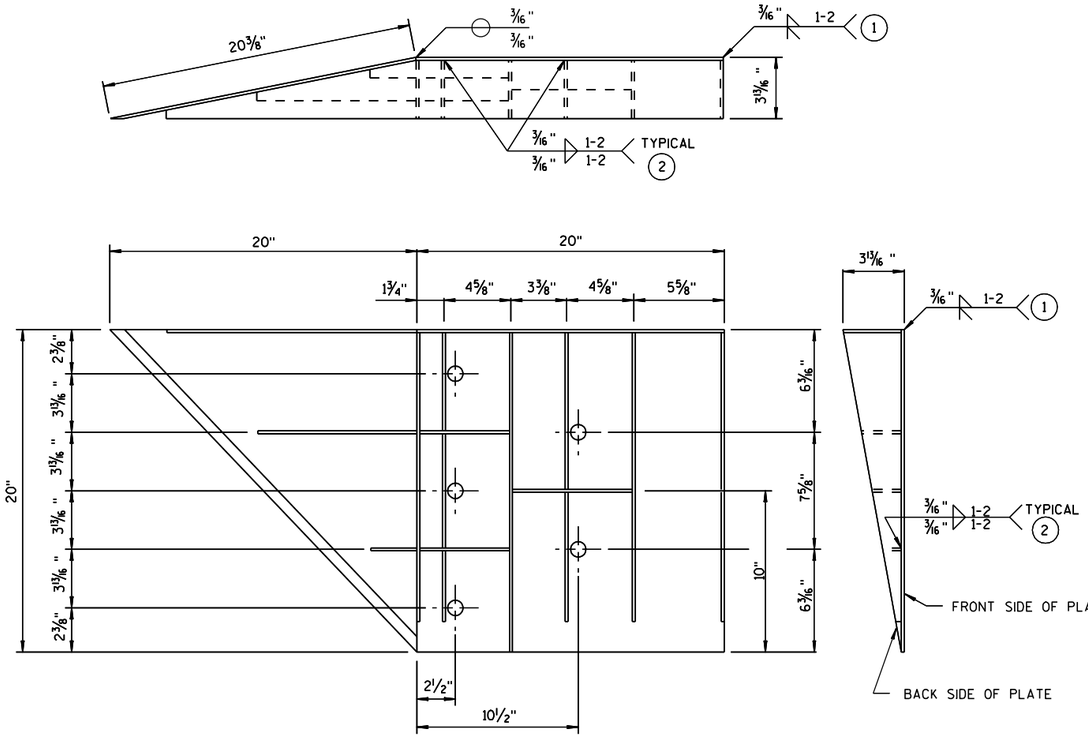
FOR GALVANIZED REQUIREMENTS, SEE SECTION 614 OF THE STANDARD SPECIFICATIONS.

ALL HOLE DIAMETERS SHALL BE 1".

FOR OPPOSITE SIDE INSTALLATION MIRROR DRAWINGS.

(1) STIFFENERS LOCATED AT THE OUTSIDE EDGES OF THE COVER PLATES SHALL BE WELDED AS FOLLOWS:
SINGLE BEVEL GROOVE WELD ON EXTERNAL SIDES AND 3/16" FILLET WELD BY 1" LONG SPACED AT 2" ON INTERNAL SIDES.

(2) STIFFENERS LOCATED ON THE INSIDE OF THE COVER PLATE SHALL BE WELDED AS FOLLOWS:
3/16" FILLET WELD BY 1" LONG SPACED AT 2".



WELDING INSTRUCTION

(VIEWED FROM BACK SIDE OF PLATE)

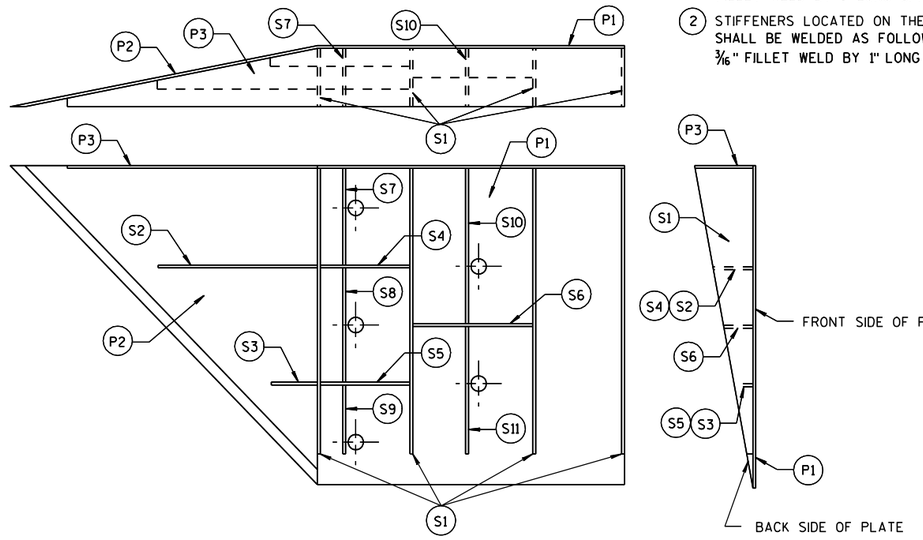


PLATE AND STIFFENER IDENTIFICATION

(VIEWED FROM BACK SIDE OF PLATE)

CONNECTOR PLATE DIMENSION (PER ASSEMBLY)

PLATE	QUANTITY	SHAPE	SIZE (A x B x C x D)	THICKNESS
P1	1		20" x 20"	3/16"
P2	1		20" x 20" x 28 9/16"	3/16"
P3	1		39" x 3 5/8" x 20" x 19 5/16"	3/16"
S1	4		18 7/16" x 3 5/8" x 18 3/4"	1/4"
S2	1		10 1/4" x 2 7/16" x 10 3/8" x 1/2"	1/4"
S3	1		3" x 1 1/16" x 3 1/8" x 1/2"	1/4"
S4	1		6 1/8" x 2 7/16"	1/4"
S5	1		6 1/8" x 1 1/16"	1/4"
S6	1		7 3/4" x 1 3/4"	1/4"
S7	1		2 9/16" x 6" x 3 5/8" x 5 7/8"	1/4"
S8	1		1 5/32" x 7 1/2" x 2 1/2" x 7 3/8"	1/4"
S9	1		6 1/16" x 6 3/16" x 1 3/32"	1/4"
S10	1		1 7/8" x 9 7/8" x 3 5/8" x 9 11/16"	1/4"
S11	1		8 1/2" x 8 3/4" x 1 13/16"	1/4"

SINGLE SLOPE CONNECTION PLATE

MIDWEST GUARDRAIL SYSTEM
THRIE BEAM TRANSITION (MGS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

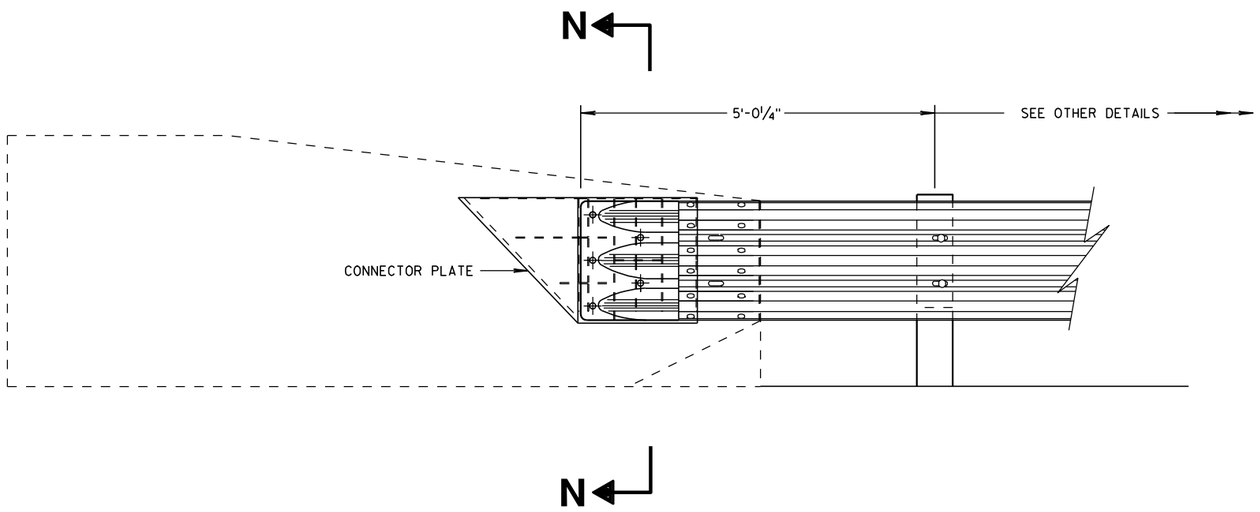
APPROVED
8/31/2012
DATE
/S/ Jerry H ...
ROADWAY STANDARDS ENGINEER
606
FHWA

6

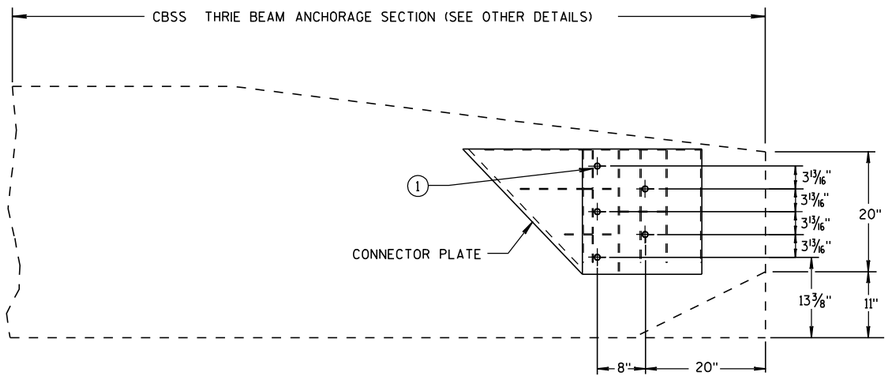
S.D.D. 14 B 45-3i

6

S.D.D. 14 B 45-3i



THRIE BEAM CONNECTION TO SINGLE SLOPE BARRIER

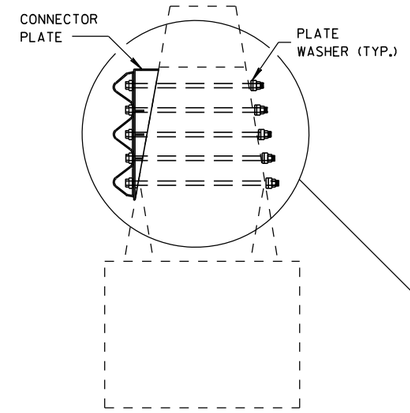


SINGLE SLOPE CONNECTION PLATE PLACEMENT

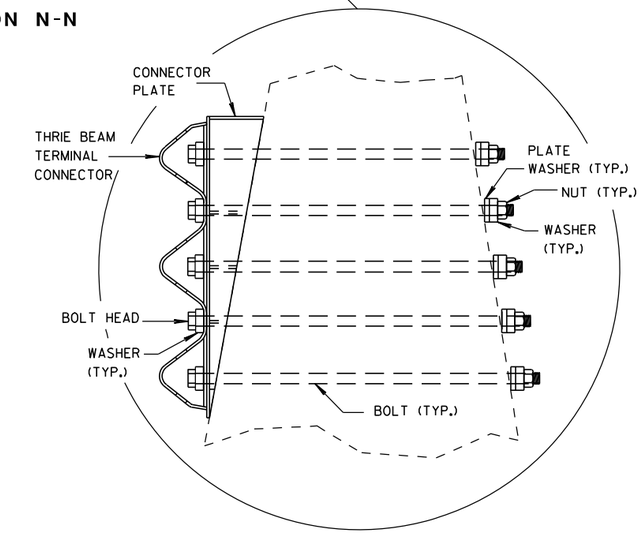
GENERAL NOTES

CONNECTOR PLATE, DRILLING BOLT HOLES THROUGH THE PARAPET, BOLTS, NUTS, WASHERS AND REPAIRING DAMAGED CONCRETE ARE INCIDENTAL TO THE CONTRACT.

(1) BOLTS MAY BE A325 BOLTS OR A449 BOLTS. BOLT LENGTH AND THREADING LENGTH ARE TO ALLOW FOR A TIGHT CONNECTION BETWEEN RIGID BARRIER AND THRIE BEAM CONNECTION PLATE. CONTRACTOR IS TO FIELD VERIFY BOLT LENGTH AND THREAD LENGTH. ONE ROUND WASHER REQUIRED BETWEEN BOLT HEAD AND THRIE BEAM CONNECTOR PLATE. BOLTS THAT EXTEND THROUGH THE PARAPET AND OUT THE BACK FACE REQUIRE A HARDENED ROUND STEEL WASHER THAT IS 2" O.D. X ⅝" THICK AND ONE PLATE WASHER. REPAIR ANY DAMAGED CONCRETE FROM BOLT INSTALLATION.



SECTION N-N



MIDWEST GUARDRAIL SYSTEM
THRIE BEAM TRANSITION (MGS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

8/31/2012
DATE

/S/ Jerry H. [illegible]
ROADWAY STANDARDS ENGINEER

1607

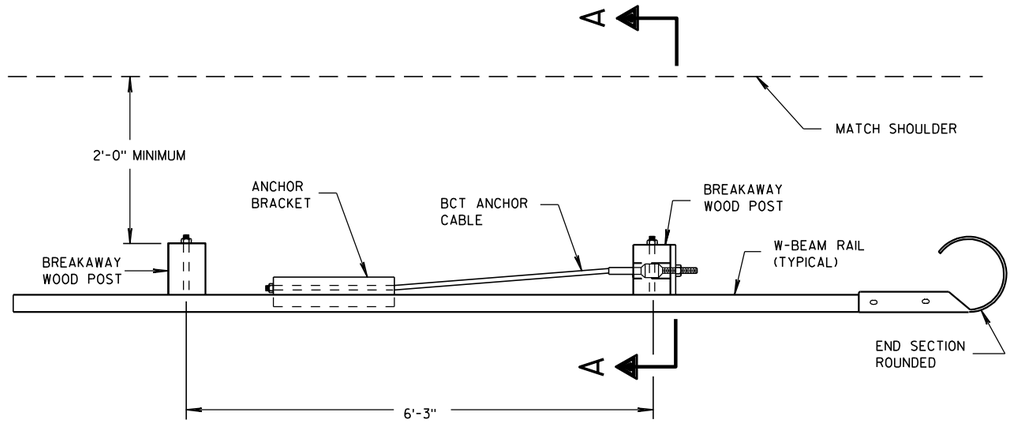
FHWA

6

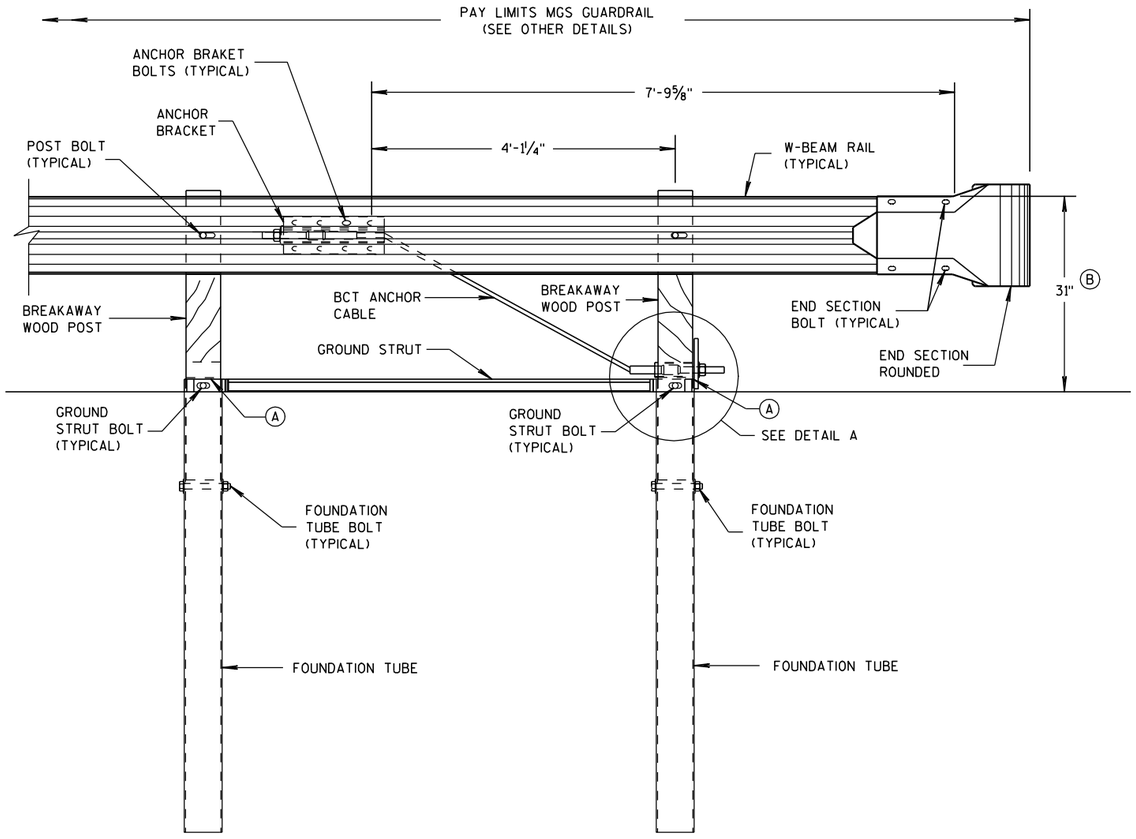
S.D.D. 14 B 45-3j

6

S.D.D. 14 B 45-3j

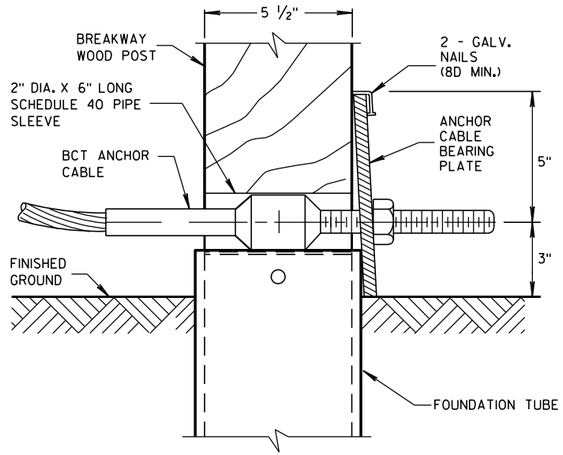


PLAN VIEW



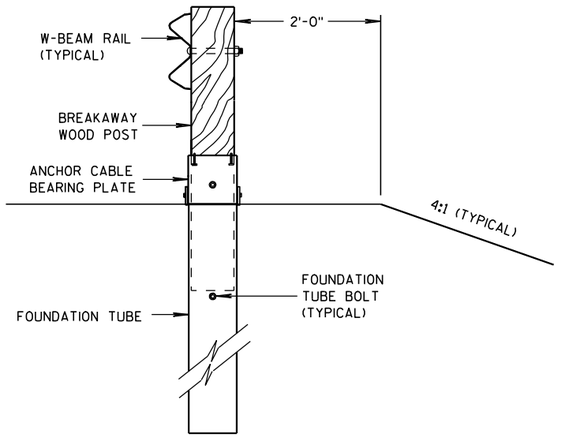
FRONT VIEW

END RAIL DETAIL



DETAIL A

POST NO. 1
GROUNG STRUT NOT SHOWN FOR CLARITY.



SECTION A-A

GENERAL NOTES

SEE SDD 14 B 42 FOR MORE INFORMATION.

POST BOLTS ARE A ⅝" DIAMETER X 10" LONG GUARDRAIL BOLT. A POST BOLT REQUIRES A ⅝" DIAMETER DH MODIFIED (RECESSED) HEAVY HEX NUT AND ⅝" DIAMETER FLAT WASHER.

FOUNDATION TUBE BOLTS ARE A ⅞" DIAMETER X 7½" LONG HEAVY HEX HEAD BOLT. A FOUNDATION TUBE BOLT REQUIRES A ⅞" DIAMETER DH HEAVY HEX NUT AND A ⅝" DIAMETER FLAT WASHER.

GROUND STRUT BOLTS ARE A ⅝" DIAMETER X 10" LONG HEAVY HEX HEAD BOLT. A GROUND STRUT BOLT REQUIRES A ⅝" DIAMETER DH HEAVY HEX NUT AND A ⅝" DIAMETER FLAT WASHER.

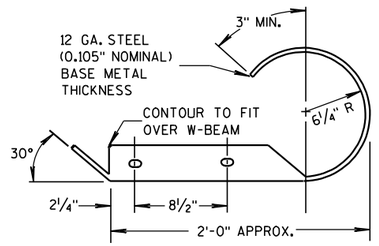
ANCHOR BRAKET BOLTS ARE A ⅝" DIAMETER X 1½" LONG HEAVY HEX HEAD BOLT. AN ANCHOR BRAKET BOLT REQUIRES A ⅝" DIAMETER DH HEAVY HEX NUT AND A FLAT WASHER.

END SECTION BOLTS ARE A ⅝" DIAMETER X 1½" HEAVY HEX HEAD BOLT. AN END SECTION BOLT REQUIRES ⅝" DIAMETER DH HEAVY HEX NUT AND A ⅝" DIAMETER FLAT WASHER.

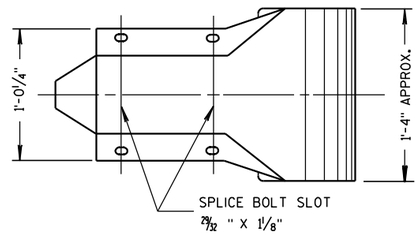
W-BEAM END SECTION ROUNDED HAS THE SAME MATERIAL PROPERTIES AS STANDARD STEEL RAIL.

(A) TOP OF FOUNDATION TUBE SHALL BE NO MORE THAN 3" ABOVE FINISHED GROUND.

(B) FOR NEW CONSTRUCTION TOP OF RAIL IS 31" ± 1".
FOR EXISTING INSTALLATIONS TOP OF RAIL IS BETWEEN 27¾" TO 32" ± 1".



PLAN VIEW



FRONT VIEW

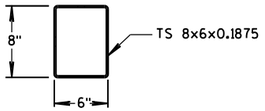
W BEAM END SECTION ROUNDED

MIDWEST GUARDRAIL SYSTEM (MGS) TYPE 2 TERMINAL

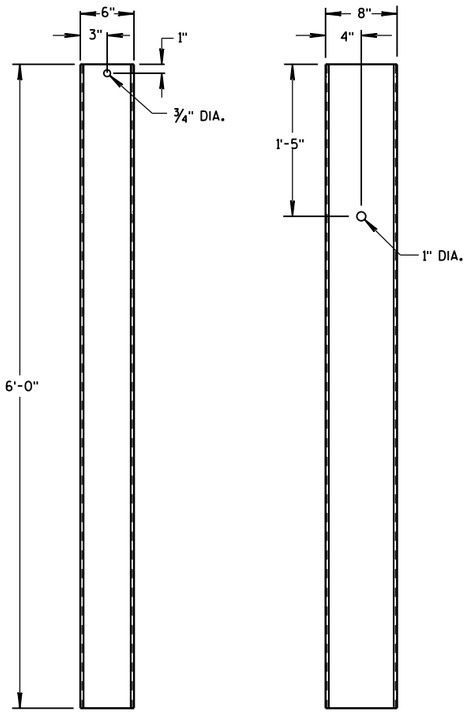
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

S.D.D. 14 B 47-1a

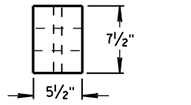


PLAN VIEW

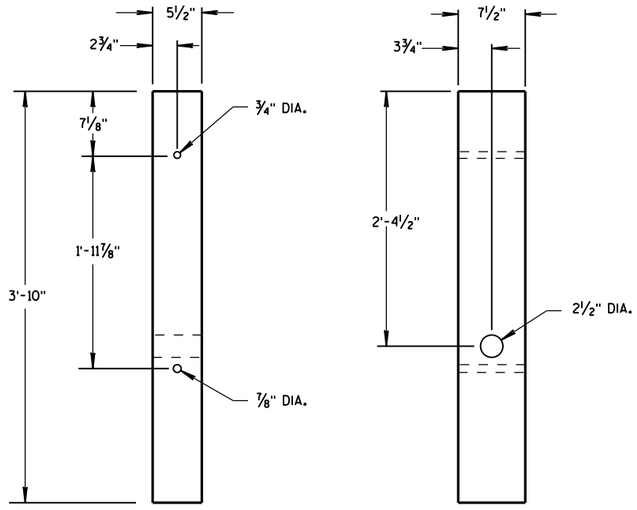


FRONT VIEW SIDE VIEW

FOUNDATION TUBE



PLAN VIEW



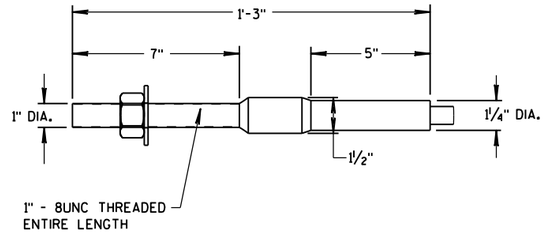
FRONT VIEW SIDE VIEW

BREAKAWAY WOOD POST

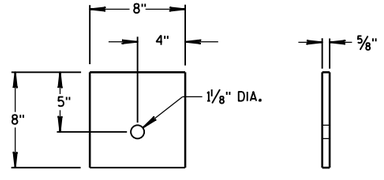
GENERAL NOTES

BCT ANCHOR CABLE IS A ⅜" DIAMETER 6X19 IWRC IPS GALVANIZED WIRE ROPE. THE SWAGED FITTINGS AND STUD ARE REQUIRED. THE END FITTING SHALL BE MACHINED FROM HOT-ROLLED CARBON STEEL CONFORMING TO ASTM A576 GRADE 1035 AND GALVANIZED ACCORDING TO ASTM A123. THE TREADED STUD SHOULD CONFORM TO ASTM A325 OR SAE GRADE 5. MINIMUM BREAKING STRENGTH OF WIRE ROPE IS 43,000 LB. WIRE ROPE IS TO BE TAUT.

BCT ANCHOR CABLE



DETAIL B



SIDE VIEW FRONT VIEW

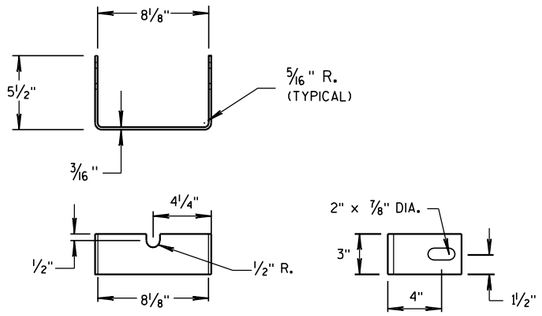
ANCHOR CABLE
BEARING PLATE

MIDWEST GUARDRAIL
SYSTEM (MGS) TYPE 2 TERMINAL

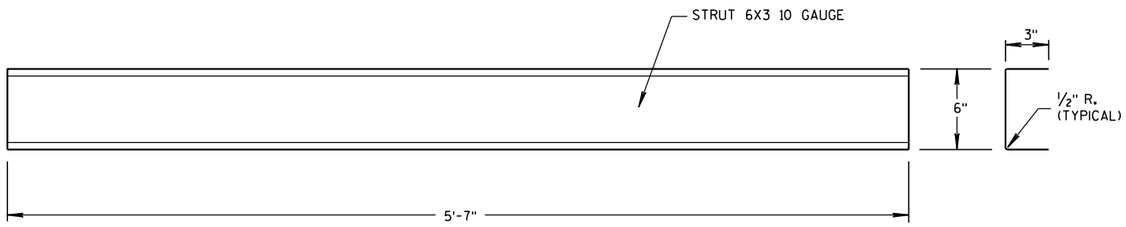
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

6

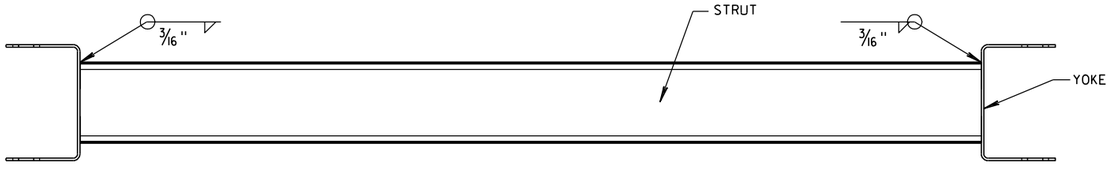
S.D.D. 14 B 47-1b



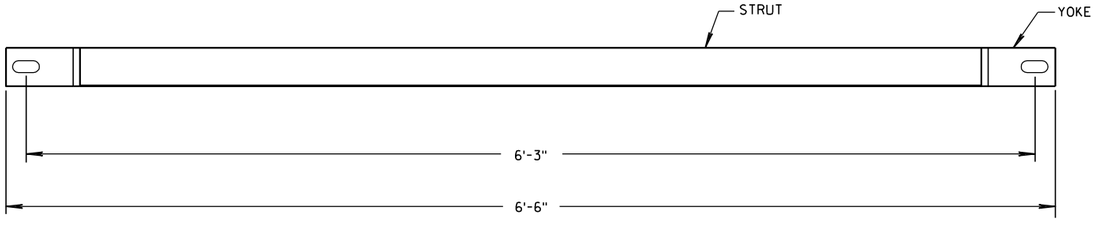
YOKE DETAIL



STRUT DETAIL

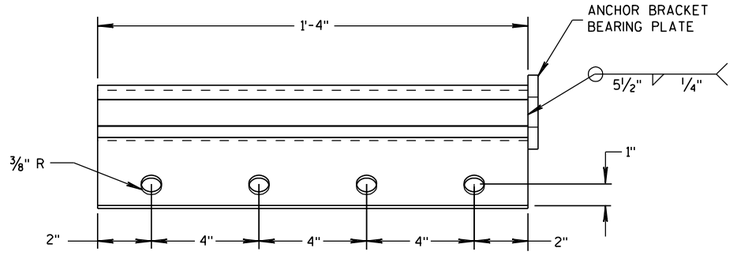


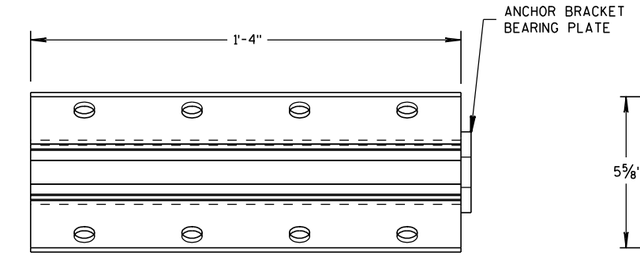
PLAN VIEW

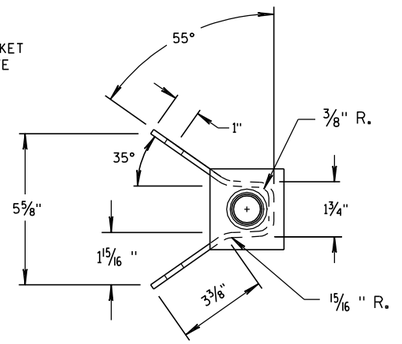


FRONT VIEW

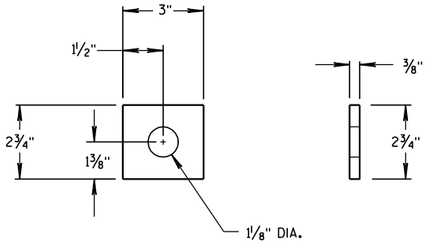
GROUND STRUT DETAIL







ANCHOR BRACKET



ANCHOR BRACKET BEARING PLATE

6

6

S.D.D. 14 B 47-1c

S.D.D. 14 B 47-1c

MIDWEST GUARDRAIL SYSTEM (MGS) TYPE 2 TERMINAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

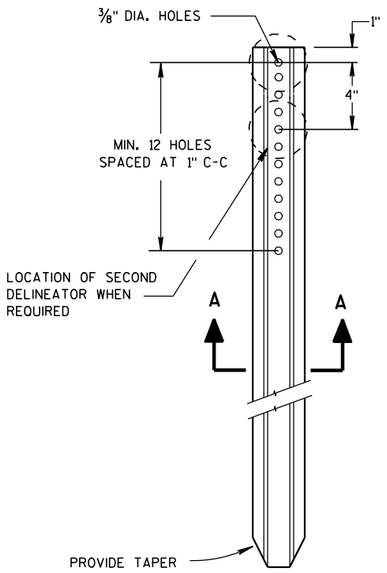
APPROVED

5/23/2011
DATE

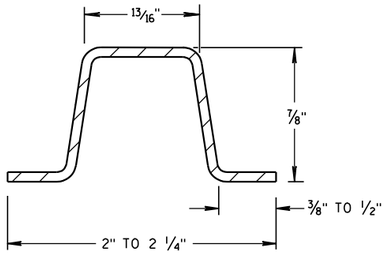
/S/ Jerry H. [illegible]
ROADWAY STANDARDS ENGINEER

610

FHWA

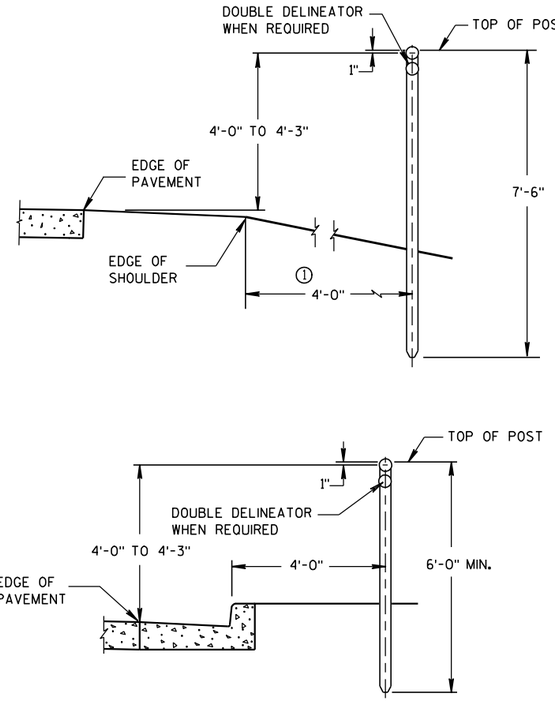


DELINEATOR POST



SECTION A-A

WEIGHT 1.12 LBS PER FT. ± 0.1 LB.

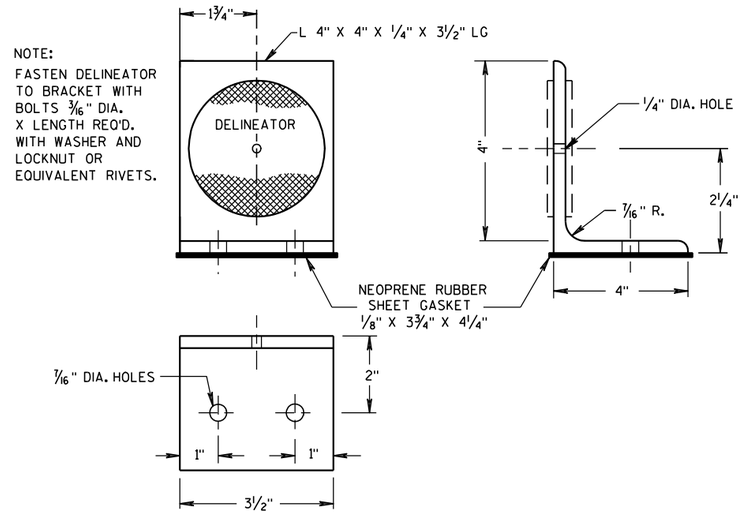


TYPICAL INSTALLATIONS OF DELINEATOR POSTS

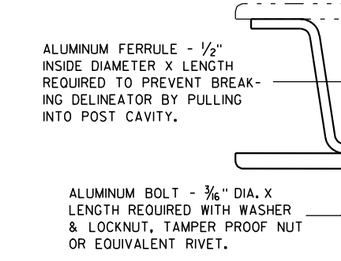
GENERAL NOTES

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

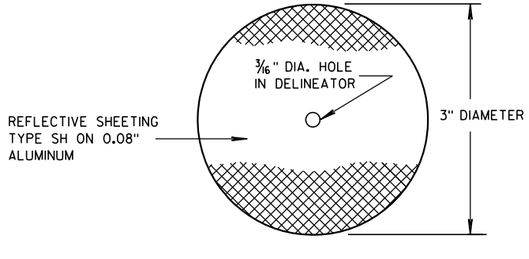
① DELINEATORS SHALL BE PLACED AT A CONSTANT DISTANCE FROM THE EDGE OF THE SHOULDER FOR THE LENGTH OF THE INSTALLATION.



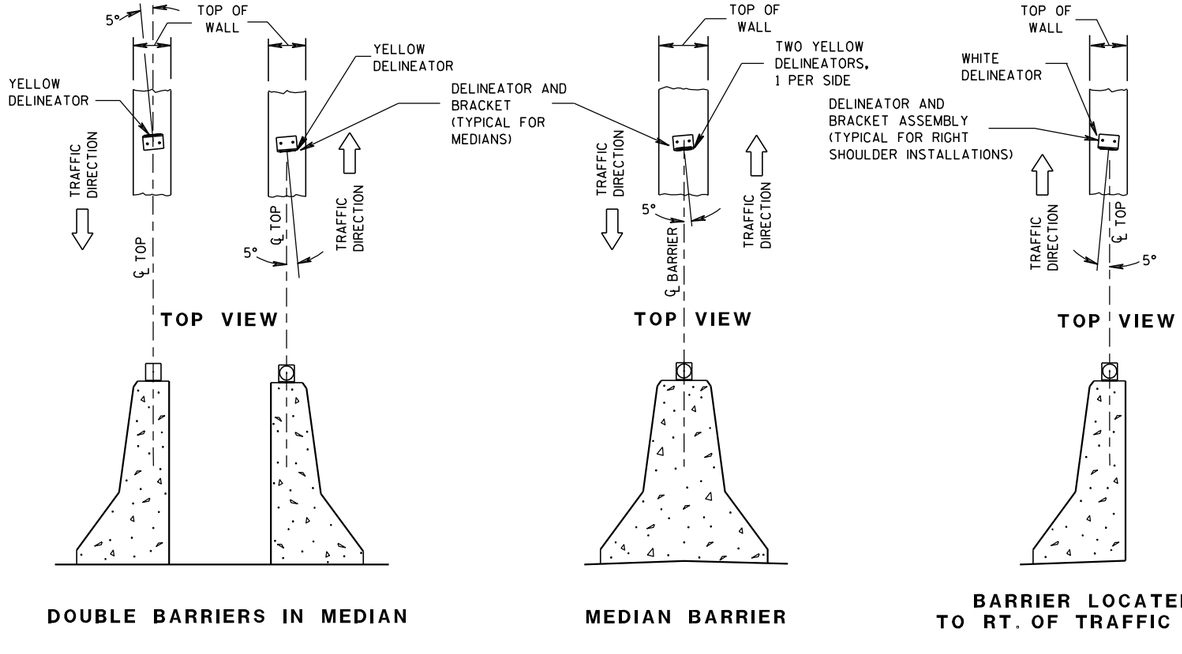
DELINEATOR BRACKET



MOUNTING DETAIL FOR DELINEATOR



DELINEATOR

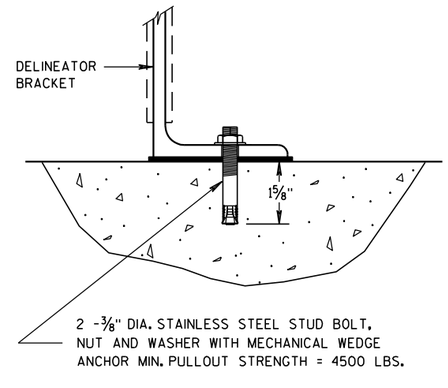


DOUBLE BARRIERS IN MEDIAN

MEDIAN BARRIER

BARRIER LOCATED TO RT. OF TRAFFIC FLOW

LOCATION AND AIMING DETAILS FOR DELINEATORS MOUNTED ON CONCRETE BARRIERS



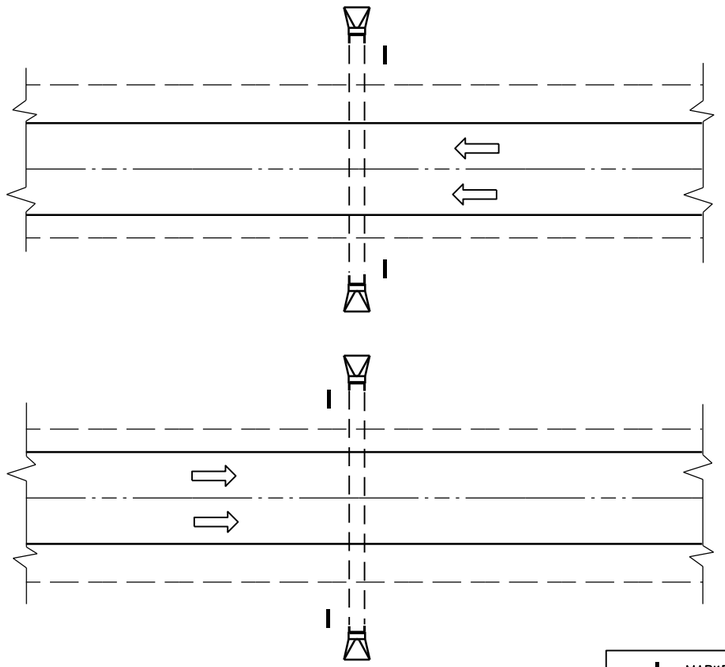
DELINEATOR BRACKET MOUNTING DETAIL

DELINEATOR POST, DELINEATOR BRACKET AND DELINEATOR

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

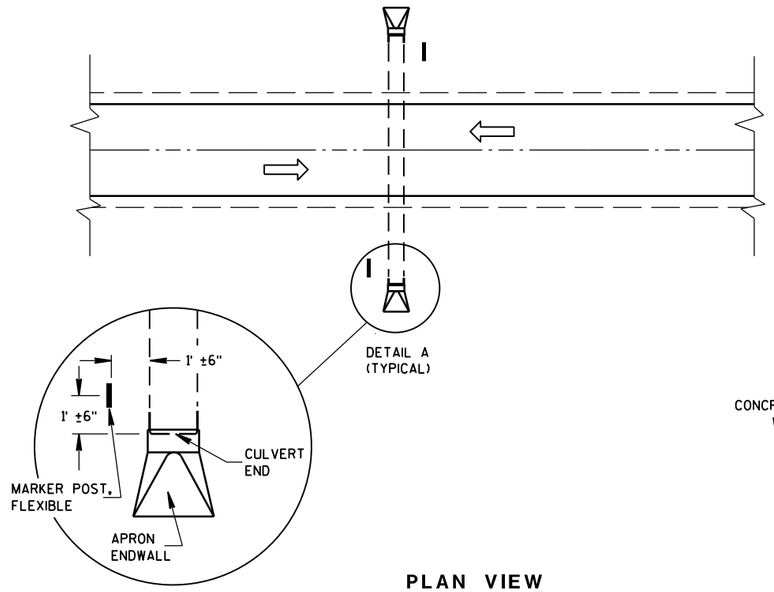
APPROVED
1/25/2011 — DATE
/S/ Thomas N. Nothdurft — STATE TRAFFIC ENGINEER — DESIGN
FHWA

6
S.D.D. 15 A 2-7



PLAN VIEW

DIVIDED HIGHWAY



DETAIL A
(TYPICAL)

PLAN VIEW

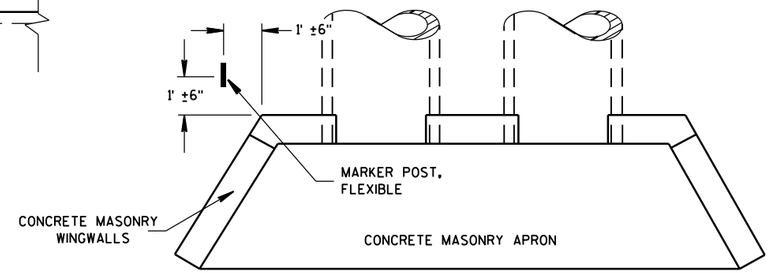
UNDIVIDED HIGHWAY

MARKER POST, FLEXIBLE

DIRECTION OF TRAFFIC FLOW

GENERAL NOTES

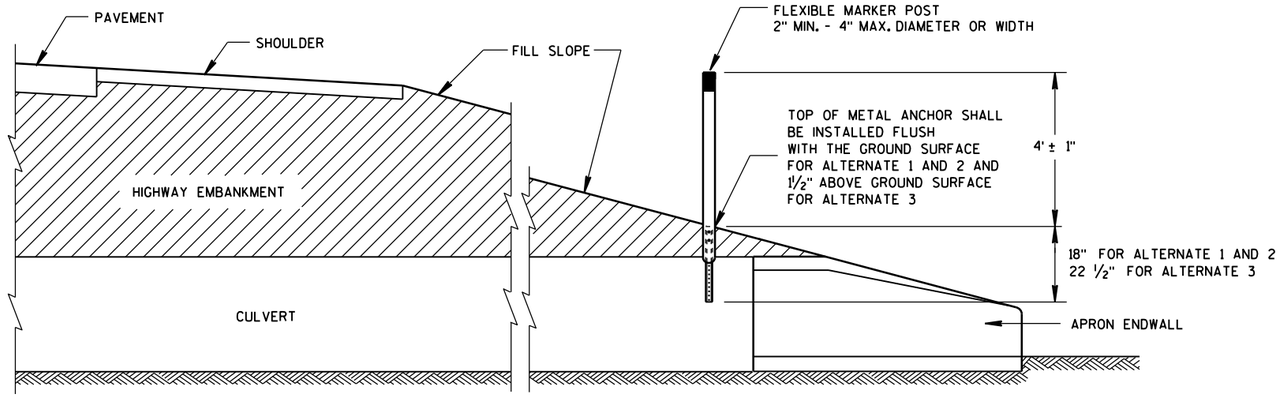
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.



PLAN VIEW

CONCRETE MASONRY ENDWALLS FOR CULVERT PIPE AND PIPE ARCH

FLEXIBLE MARKER POST LOCATION



CROSS SECTION

FLEXIBLE MARKER POST

FLEXIBLE MARKER POST FOR CULVERT END

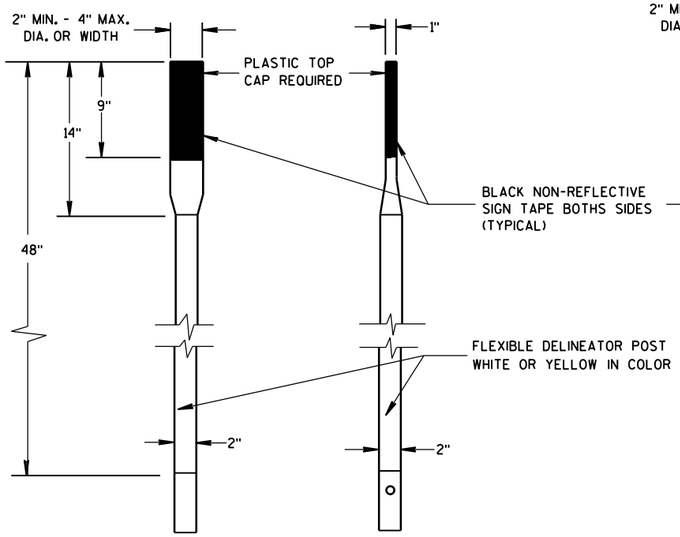
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

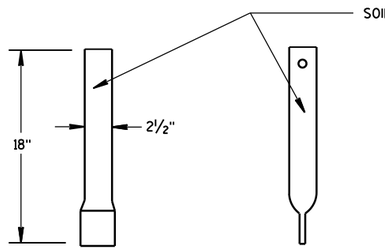
6

S.D.D. 15 A 3-2a

6

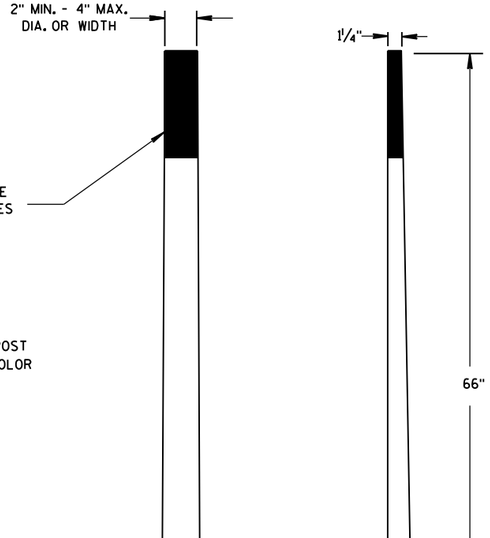
S.D.D. 15 A 3-2a





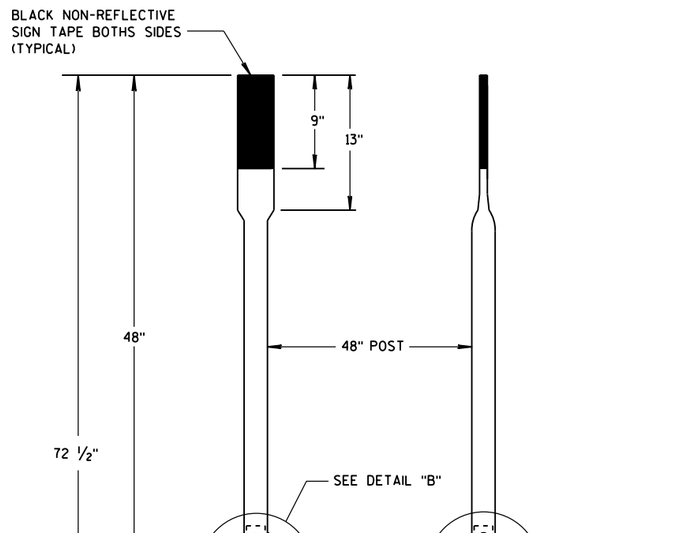
FRONT VIEW SIDE VIEW

ALTERNATE 1



FRONT VIEW SIDE VIEW

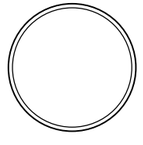
ALTERNATE 2



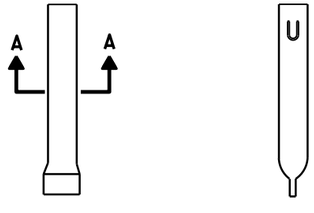
FRONT VIEW SIDE VIEW

ALTERNATE 3

FLEXIBLE MARKER POSTS

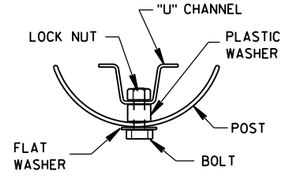


SECTION A-A

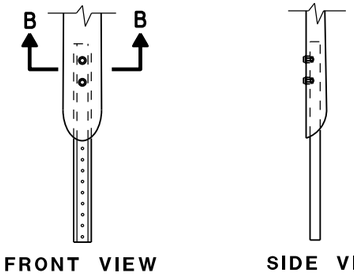


FRONT VIEW SIDE VIEW

ALTERNATE 1

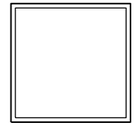


SECTION B-B

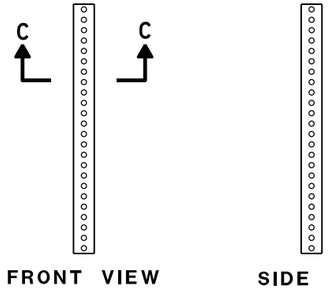


FRONT VIEW SIDE VIEW

ALTERNATE 2



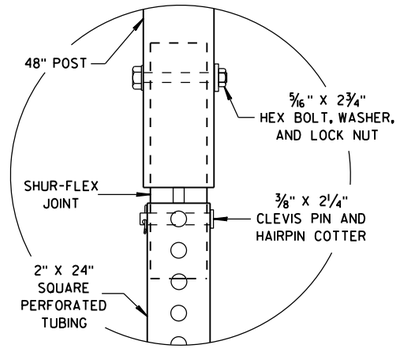
SECTION C-C



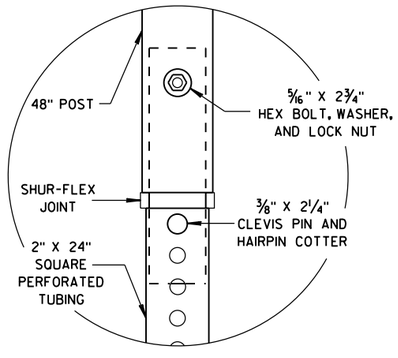
FRONT VIEW SIDE VIEW

ALTERNATE 3

FLEXIBLE MARKER POST ANCHORS



DETAIL B



DETAIL C

FLEXIBLE MARKER POST
FOR CULVERT END

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
10/1/2012 — DATE
/S/ Travis Feltes — STATE TRAFFIC ENGINEER
FHWA

6

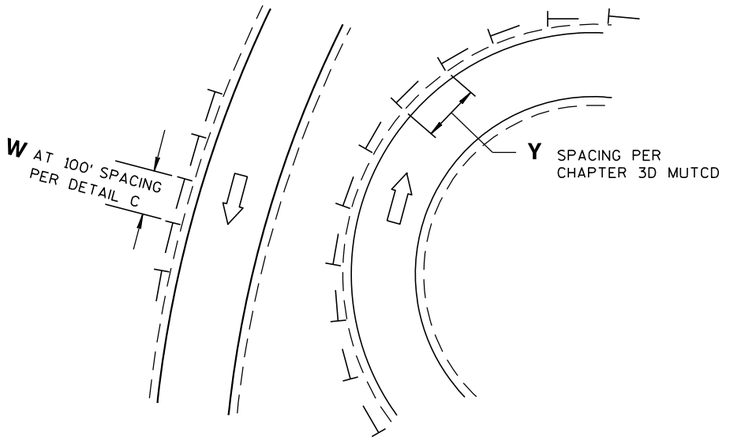
S.D.D. 15 A 3-2b

6

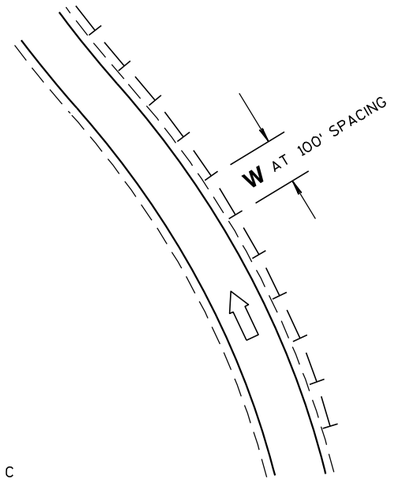
S.D.D. 15 A 3-2b

GENERAL NOTES

* USE DOUBLE DELINEATOR ALONG ACCELERATION-DECELERATION LANES AND TAPERS. USE SINGLE DELINEATOR WHEN RAMP PAVEMENT IS FULL WIDTH.



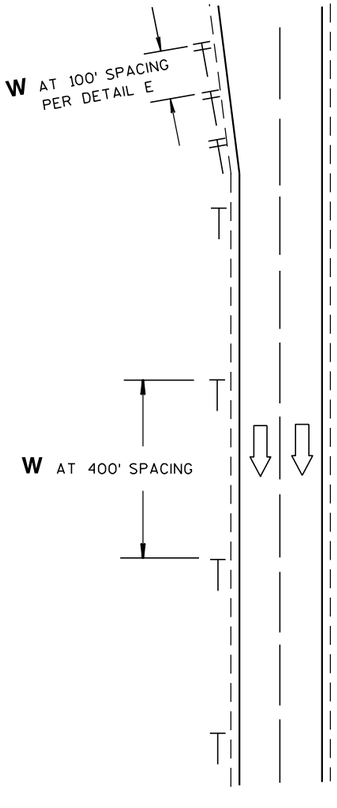
DETAIL A
DELINEATOR LAYOUT AT CURVED RAMP



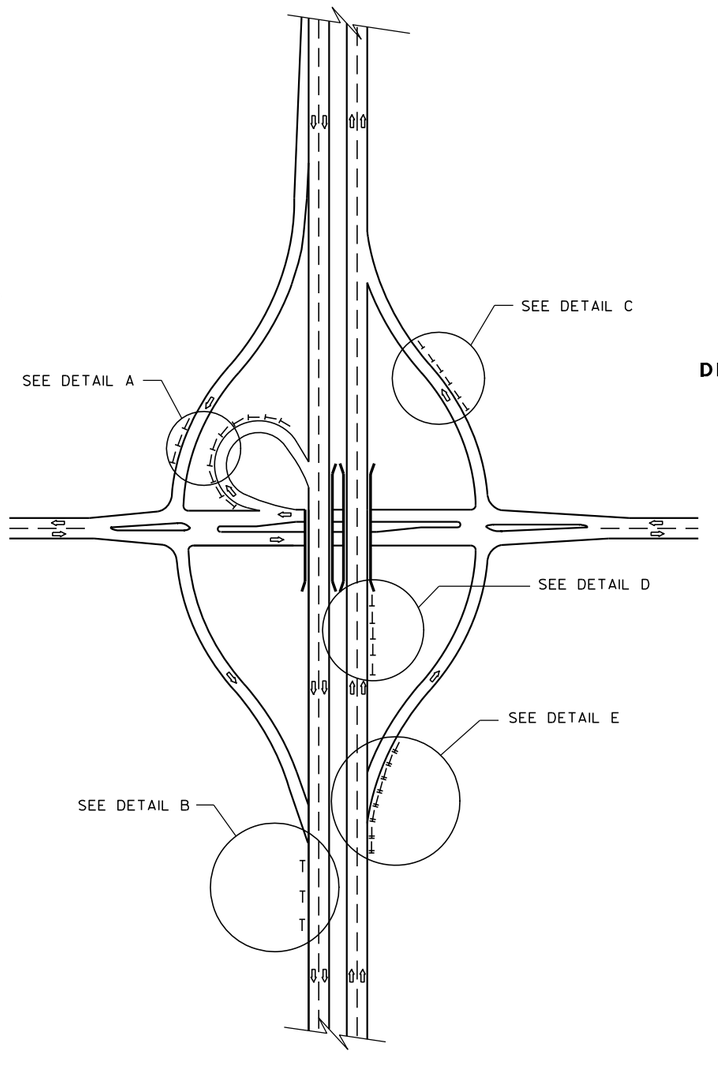
DETAIL C
DELINEATOR LAYOUT ALONG RAMP

LEGEND

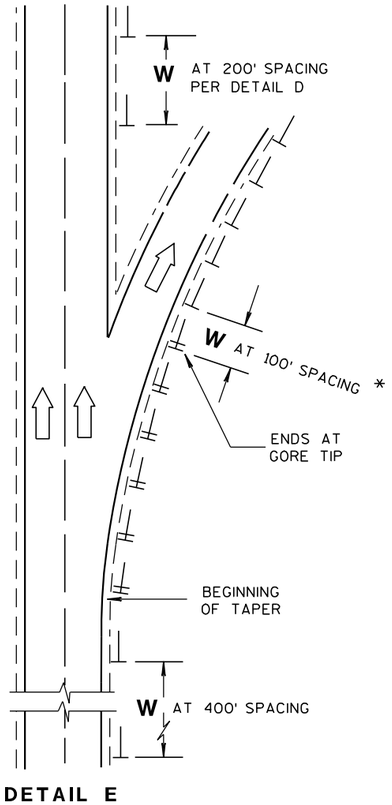
- DIRECTION OF TRAFFIC FLOW
- SINGLE DELINEATOR
- DOUBLE DELINEATOR
- W — WHITE
- Y — YELLOW



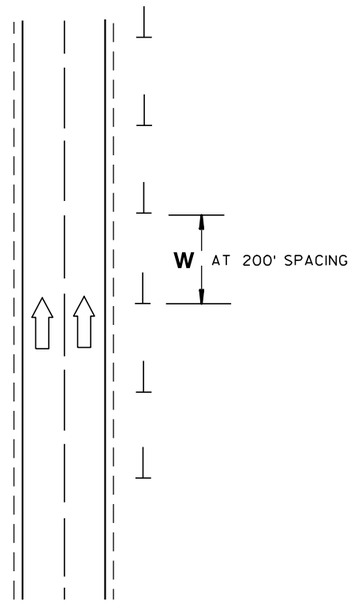
DETAIL B
DELINEATOR LAYOUT ALONG MAINLINE



DELINEATOR LAYOUT



DETAIL E
DELINEATOR LAYOUT FOR ACCELERATION - DECELERATION LANES AND TAPERS AT RAMPS



DETAIL D
DELINEATOR LAYOUT BETWEEN INTERCHANGE RAMPS

DELINEATOR LAYOUT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
2/5/09 DATE
/S/ Thomas N. Nothdurft
STATE TRAFFIC ENGINEER
FHWA

6

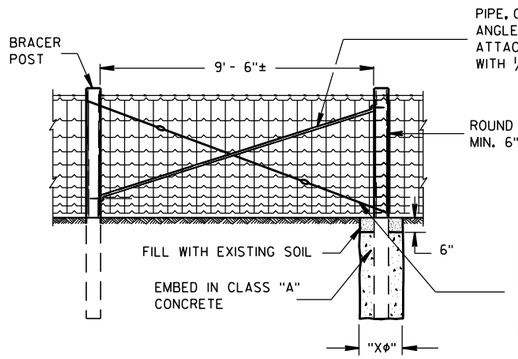
S.D.D. 15 A 6-2

6

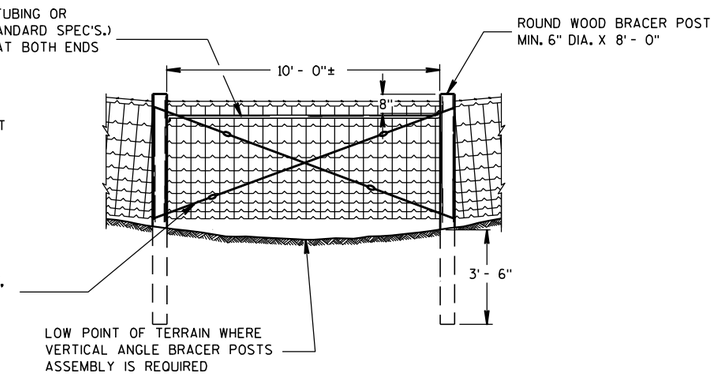
S.D.D. 15 A 6-2

NOTE: PULL OR STRETCHER POST ASSEMBLIES SHALL BE PLACED MIDWAY BETWEEN END POSTS AND CORNER POSTS WHERE A RUN OF FENCE EXCEEDS 660' BUT IS LESS THAN 1,320'. FOR RUNS OF FENCE IN EXCESS OF 1,320' MAXIMUM SPACING OF PULL OR STRETCHER POST ASSEMBLIES SHALL BE 660'± C-C.

ILLUSTRATION SHOWS POSITION OF STANDARD STEEL BRACE, DOUBLE STRAND GALVANIZED WIRE, AND THE POST TO BE EMBEDDED IN CONCRETE WHEN WIRE FENCE IS INSTALLED FROM LEFT TO RIGHT. THE BRACES SHALL BE POSITIONED ON THE OPPOSITE DIAGONALS AND THE OPPOSITE POST SHALL BE EMBEDDED IN CONCRETE WHEN WIRE FENCE IS INSTALLED FROM RIGHT TO LEFT.



PULL OR STRETCHER POSTS ASSEMBLY



VERTICAL ANGLE BRACER POSTS ASSEMBLY

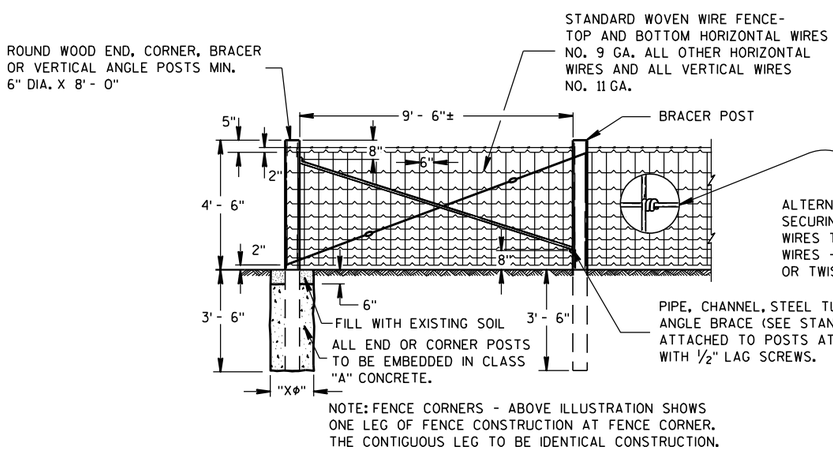
GENERAL NOTES

"XΦ" = DIAMETER OF THE POST PLUS 12".

FENCE STAPLES SHOULD NEVER BE DRIVEN VERTICALLY INTO WOOD POSTS (WITH BOTH LEGS PARALLEL WITH THE WOOD GRAIN). DOING SO CAN SEPARATE THE GRAIN AND SIGNIFICANTLY REDUCE THE HOLDING POWER. ROTATING THE STAPLES SLIGHTLY OFF VERTICAL STRADDLES THE GRAIN AND PROVIDES MORE RESISTANCE TO PULL-OUT.

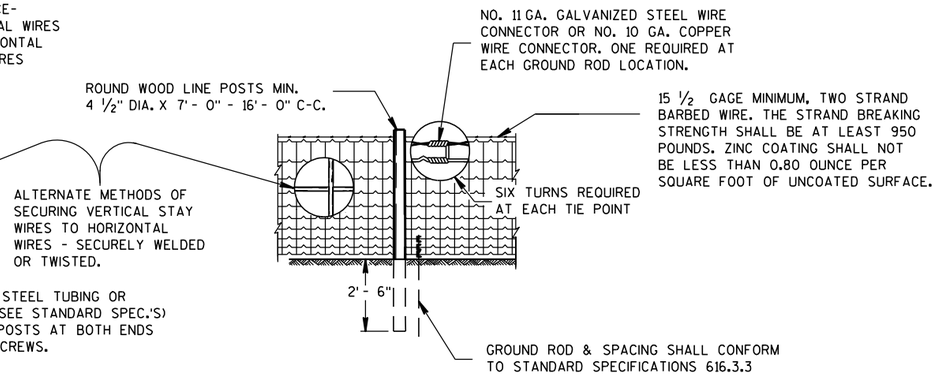
DO NOT STAPLE WIRE TIGHT TO THE LINE POSTS. ALLOW MOVEMENT OF WIRE FOR EXPANSION AND CONTRACTION. STAPLE ARRANGEMENT SHALL BE THE SAME FOR ALL OTHER POSTS EXCEPT THAT THEY SHALL BE DRIVEN TIGHT TO POSTS. ALL STAPLES SHALL BE 2" X 9 GAGE AND SHALL BE MANUFACTURED FROM GALVANIZED WIRE OR HOT DIP GALVANIZED AFTER FORMING. STAPLES SHALL HAVE SLASH-CUT POINTS.

FENCE SHALL BE LOCATED 3'-0" INSIDE THE RIGHT OF WAY LINE UNLESS OTHERWISE INDICATED ON THE PLANS.



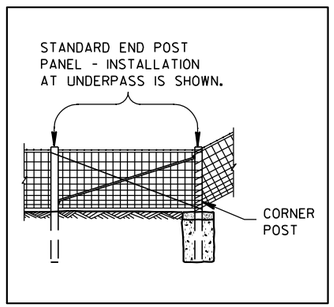
NOTE: FENCE CORNERS - ABOVE ILLUSTRATION SHOWS ONE LEG OF FENCE CONSTRUCTION AT FENCE CORNER. THE CONTIGUOUS LEG TO BE IDENTICAL CONSTRUCTION.

END OR CORNER POSTS ASSEMBLY

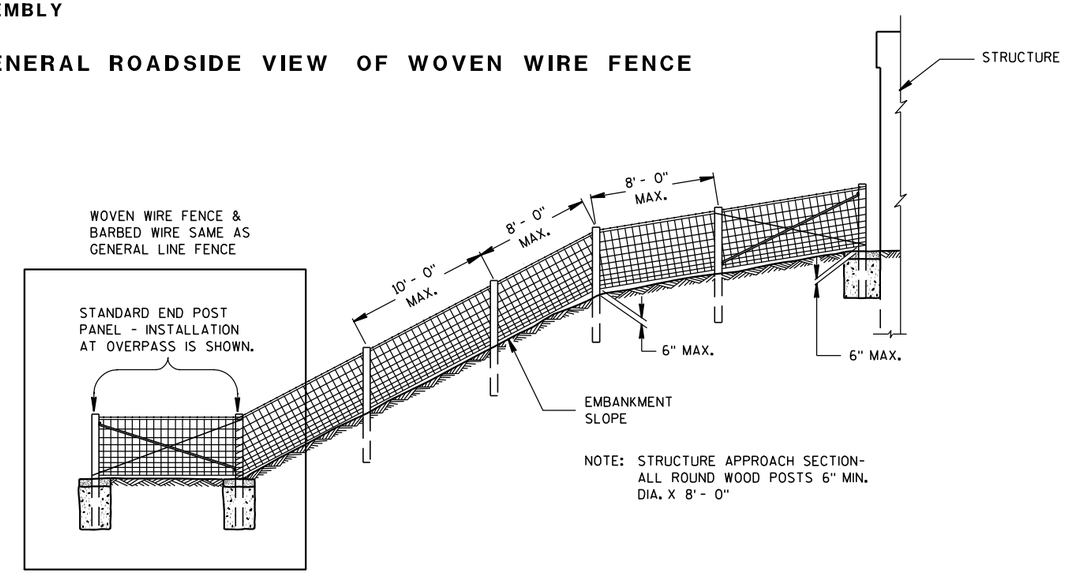


LINE FENCE CONSTRUCTION

GENERAL ROADSIDE VIEW OF WOVEN WIRE FENCE



ALTERNATE FENCE DESIGN AT STRUCTURE



NOTE: STRUCTURE APPROACH SECTION- ALL ROUND WOOD POSTS 6" MIN. DIA. X 8' - 0"

FENCE DESIGN AT STRUCTURE APPROACH

FENCE WOVEN WIRE

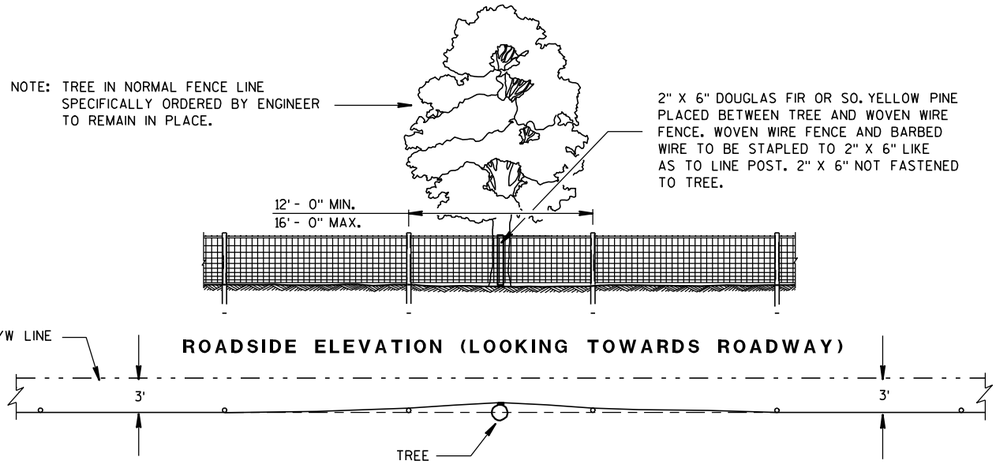
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

S.D.D. 15 B 1-8a

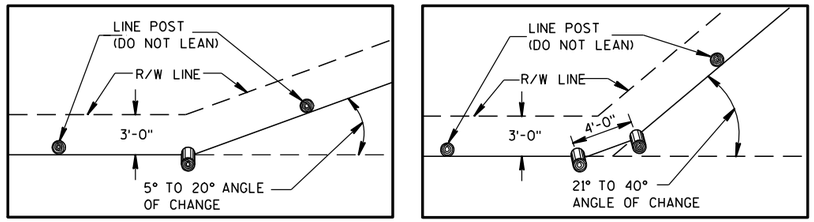
6

S.D.D. 15 B 1-8a



PLAN VIEW

FENCE DESIGN AT TREES REMAINING IN NORMAL FENCE LINE



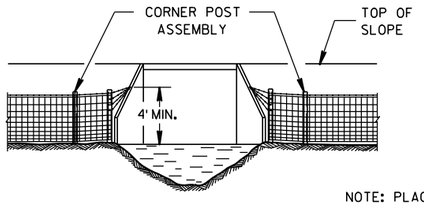
PLAN VIEW
SINGLE POST CORNER

PLAN VIEW
DOUBLE POST CORNER

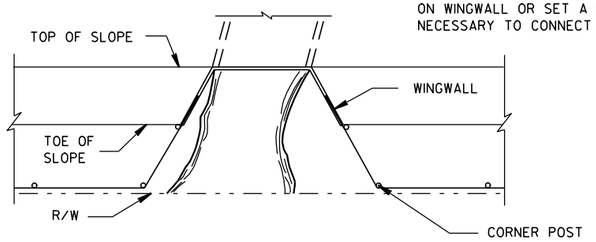
RIGHT OF WAY LINE CHANGE 40° AND LESS

NOTE: SINGLE AND DOUBLE POSTS SHALL BE A MIN. 6" DIA. X 8'-0" WITH A LEAN OF 4" TOWARD THE OUTSIDE OF THE CURVE.

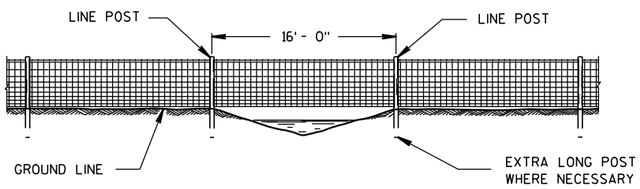
WHEN THE RIGHT OF WAY LINE CHANGE IS MORE THAN 40° USE THE CORNER OR STRETCHER POSTS ASSEMBLY.



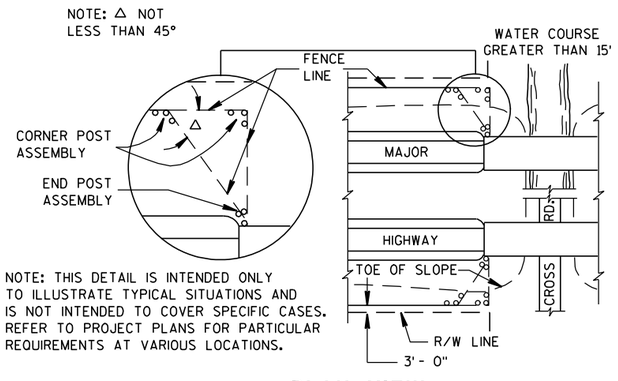
NOTE: PLACE A MINIMUM OF 4 STRANDS OF BARBED WIRE, 6" MAXIMUM CENTERS IN FAN SHAPE CONNECTED TO AN EYE BOLT ON WINGWALL OR SET A LONE POST WHEN NECESSARY TO CONNECT BARBED WIRE.



FENCE INSTALLATION TO WINGWALLS

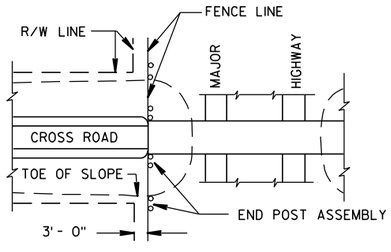


FENCE CONSTRUCTION OVER STREAM COURSES OF 15 FT. OR LESS IN WIDTH



PLAN VIEW

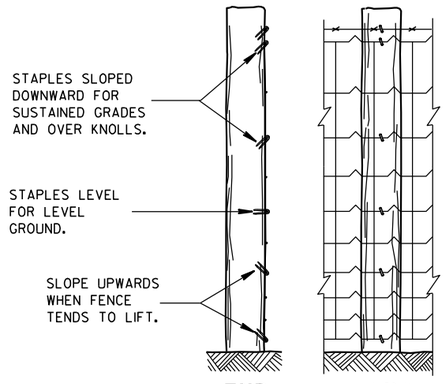
MAJOR HIGHWAY OVERPASS OR STREAM COURSE CROSSING OF GREATER THAN 15 FT. IN WIDTH



PLAN VIEW

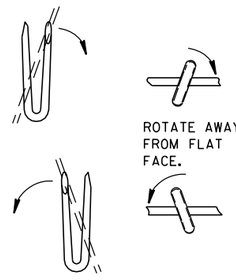
MAJOR HIGHWAY UNDERPASS

NOTE: WHEN POSTS ARE DRIVEN THE SMALL END SHALL BE DOWN.



END ELEVATION **FARM SIDE ELEVATION**

FENCE MOUNTING DETAIL



LINE POST

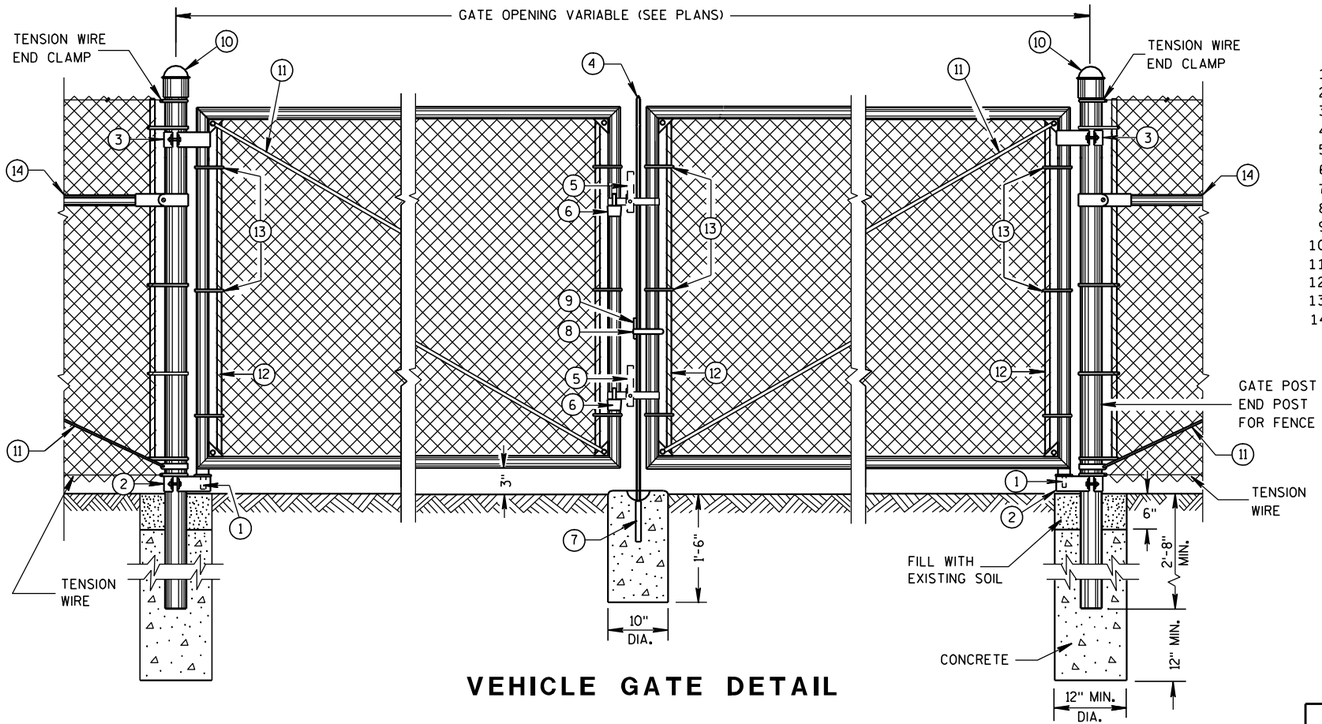
FENCE LOCATION AT STRUCTURES

FENCE WOVEN WIRE

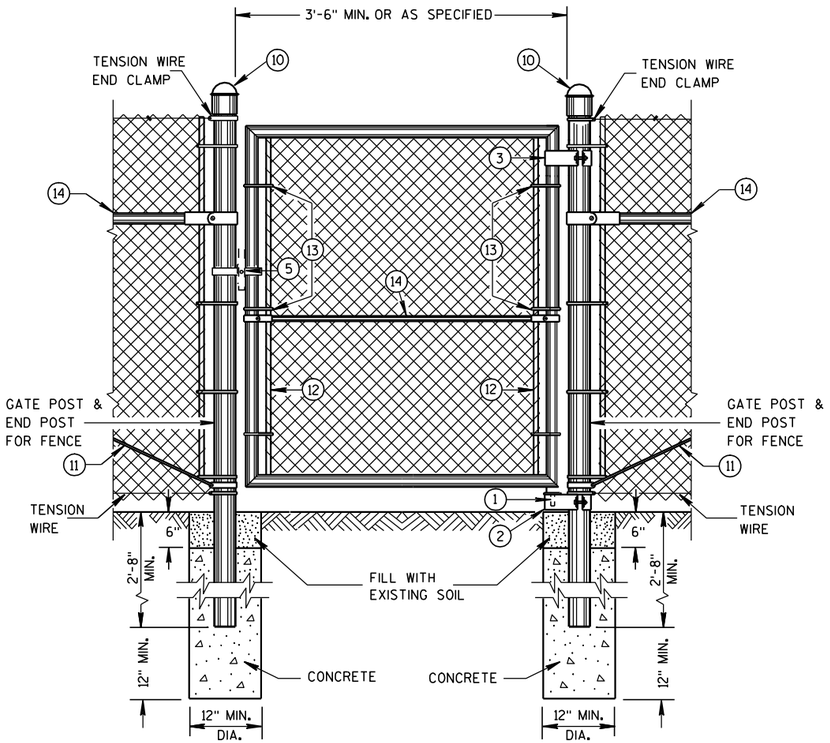
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
4/4/2008 — DATE
/S/ Jerry H. ---- — ROADWAY STANDARDS ENGINEER
616
FHWA

6
S.D.D. 15 B 1-8b



VEHICLE GATE DETAIL



PEDESTRIAN GATE DETAIL

LEGEND

1. STRAIGHT PLUG
2. BOTTOM HINGE
3. TOP HINGE
4. PLUNGER ROD
5. FULCRUM LATCH
6. FORK CATCH *
7. PLUNGER ROD CATCH
8. LOCK KEEPER GUIDE
9. LOCK KEEPER
10. DOME TOPS
11. TRUSS RODS
12. TENSION BAR
13. TENSION BANDS
14. BRACE RAIL

*NOT REQUIRED ON SINGLE SWING PEDESTRIAN GATE

GENERAL NOTES

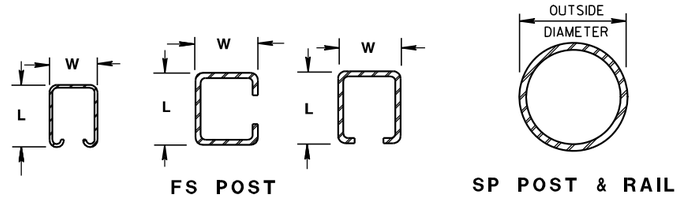
FENCE POSTS INSTALLED ON CONCRETE WALLS SHALL BE ANCHORED INTO EMBEDDED METAL SLEEVES OR CORED HOLE BY FILLING THE ANNULAR SPACE WITH PEA GRAVEL FOLLOWED BY AN EPOXY RESIN ADHESIVE. THE EPOXY RESIN ADHESIVE SHALL CONFORM TO THE REQUIREMENTS OF AASHTO M 235, CLASS A, B OR C.

USE FENCE FABRIC KNUCKLED AT BOTH SELVAGES.

FOR LEAF GATES GREATER THAN 8 FEET WIDE, INSTALL INTERIOR VERTICAL BRACE RAIL AT 8 FOOT INTERVALS.

FOR FABRIC HEIGHTS GREATER THAN 8 FEET, INSTALL INTERIOR HORIZONTAL BRACE RAILS TO LEAF GATE.

MAXIMUM SAG FOR OUTER GATE MEMBER SHALL NOT EXCEED THE GREATER OF 1% OF THE LEAF GATE WIDTH OR 2 INCHES.



FS POST

SP POST & RAIL

CROSS SECTIONS OF POSTS AND RAILS

SHAPE, SIZE AND WEIGHT REQUIREMENTS FOR FORMED STEEL FENCE POST

POST TYPE	LENGTH (L) INCH	WIDTH (W) INCH	WEIGHT LBS/FT
FS1	1.625	1.25	1.35
FS2†	1.875	1.625	1.850
FS2	1.875	1.625	2.400
FS3	2.250	1.700	2.780

SHAPE, SIZE AND WEIGHT REQUIREMENTS FOR ROUND STEEL FENCE POST

POST TYPE	OUTSIDE DIMENSION INCH	WALL THICKNESS INCH	WEIGHT LBS/FT
SP1	1.660	0.140	2.270
SP2	1.900	0.145	2.720
SP3	2.375	0.154	3.650
SP4	2.875	0.203	5.800
SP5	4.000	0.226	9.120
SP6	6.625	0.280	18.990
SP7	8.625	0.322	28.580

REQUIRED FENCE POST SIZES

USE	FABRIC HEIGHTS FEET	POST TYPE
TERMINAL POSTS **	LESS THAN OR EQUAL TO 6 FT.	SP3
	GREATER THAN OR EQUAL TO 6 FT.	SP4
LINE POSTS	LESS THAN OR EQUAL TO 6 FT.	SP2
	LESS THAN OR EQUAL TO 8 FT.	SP3
	GREATER THAN OR EQUAL TO 8 FT.	SP4
	LESS THAN OR EQUAL TO 8 FT.	FS2 OR FS2†
	GREATER THAN OR EQUAL TO 8 FT.	FS3

REQUIRED POST SIZE FOR GATES

USE	LEAF WIDTHS FEET	POST TYPE
GATES	LESS THAN OR EQUAL TO 6 FT.	SP4
	LESS THAN OR EQUAL TO 13 FT.	SP5
	LESS THAN OR EQUAL TO 18 FT.	SP6
	LESS THAN OR EQUAL TO 23 FT.	SP7

BRACE RAIL TYPES

USE		TYPE
BRACE RAIL		SP1 OR FS1

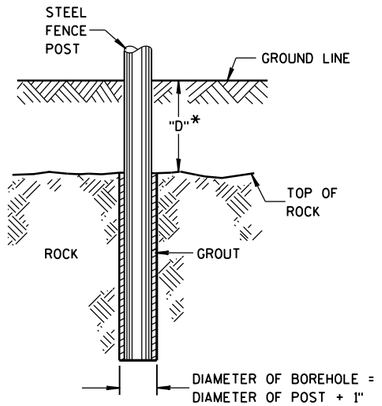
** INCLUDES END, CORNER, ANGLE, INTERSECTION AND INTERMEDIATE BRACED POSTS

FENCE CHAIN LINK

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

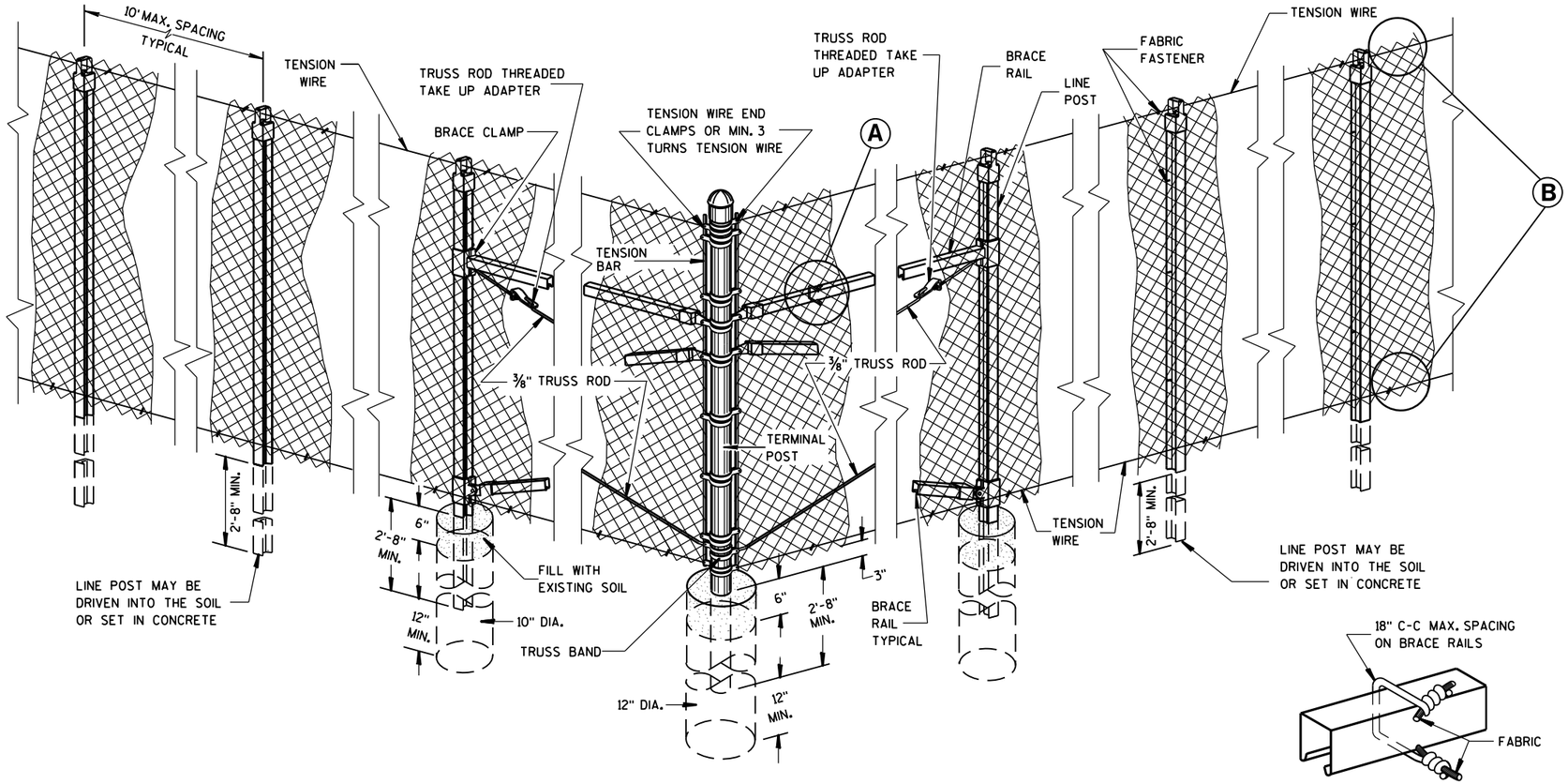
6

S.D.D. 15 B 3-12a

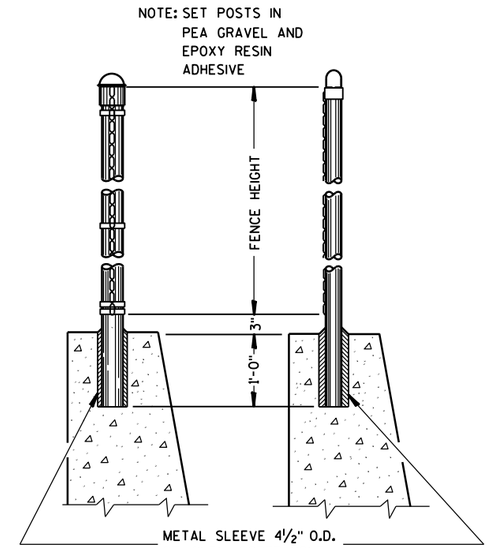


*IF "D" IS LESS THAN 2'-6", DRILL ROCK AND INSTALL GROUT

ROCK INSTALLATION OF LINE POST

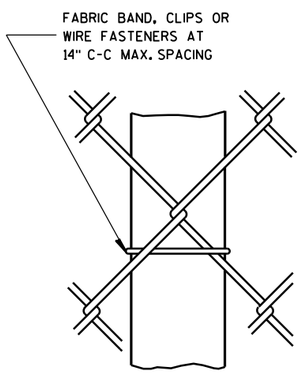


END, CORNER, ANGLE INTERSECTION & INTERMEDIATE BRACED POSTS



END POST & CORNER POST LINE POST

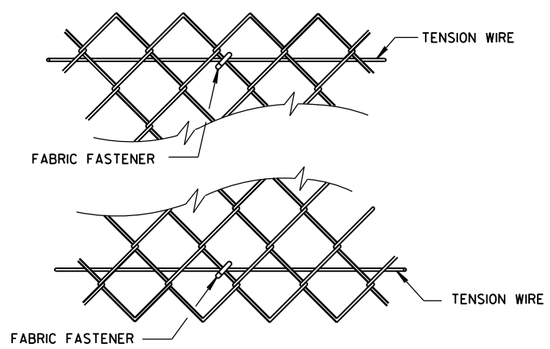
DETAILS OF FENCE ON WALL



LINE POST

FABRIC FASTENER

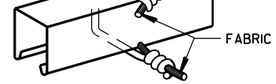
AT TOP



AT BOTTOM

SELVAGES

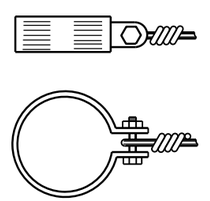
(B)



BRACE RAIL

FABRIC FASTENER

(A)



TENSION WIRE END CLAMP

FENCE CHAIN LINK

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
3/19/2010 DATE
FHWA
/S/ Jerry H. Zoda
ROADWAY STANDARDS DEVELOPMENT ENGINEER

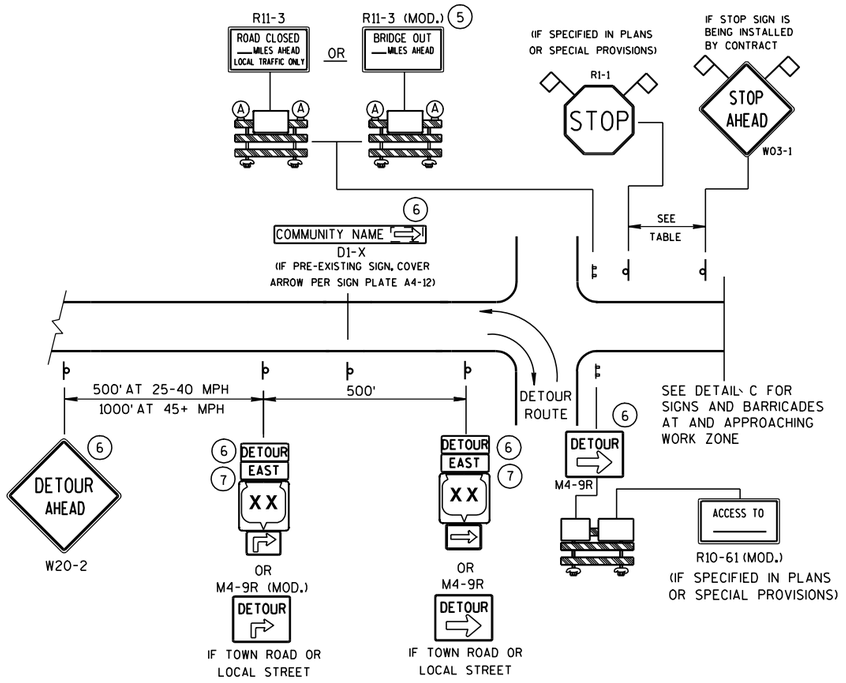
618

6

S.D.D. 15 B 3-12b

6

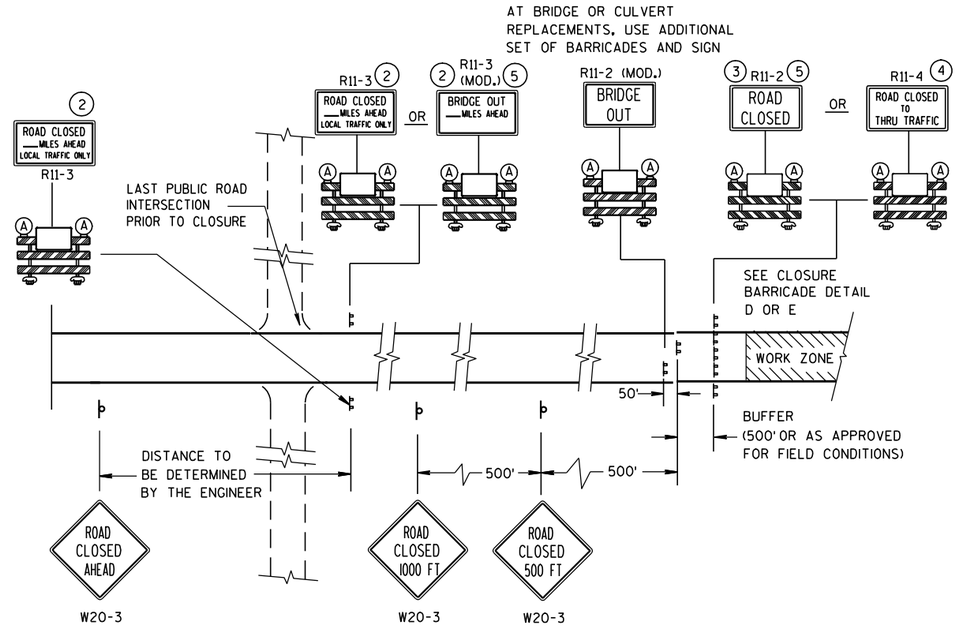
S.D.D. 15 B 3-12b



DETAIL A

MAINLINE CLOSURE WITH POSTED DETOUR

WORK ZONE GREATER THAN ½ MILE FROM DETOUR ROUTE (1000 FEET IF URBAN)

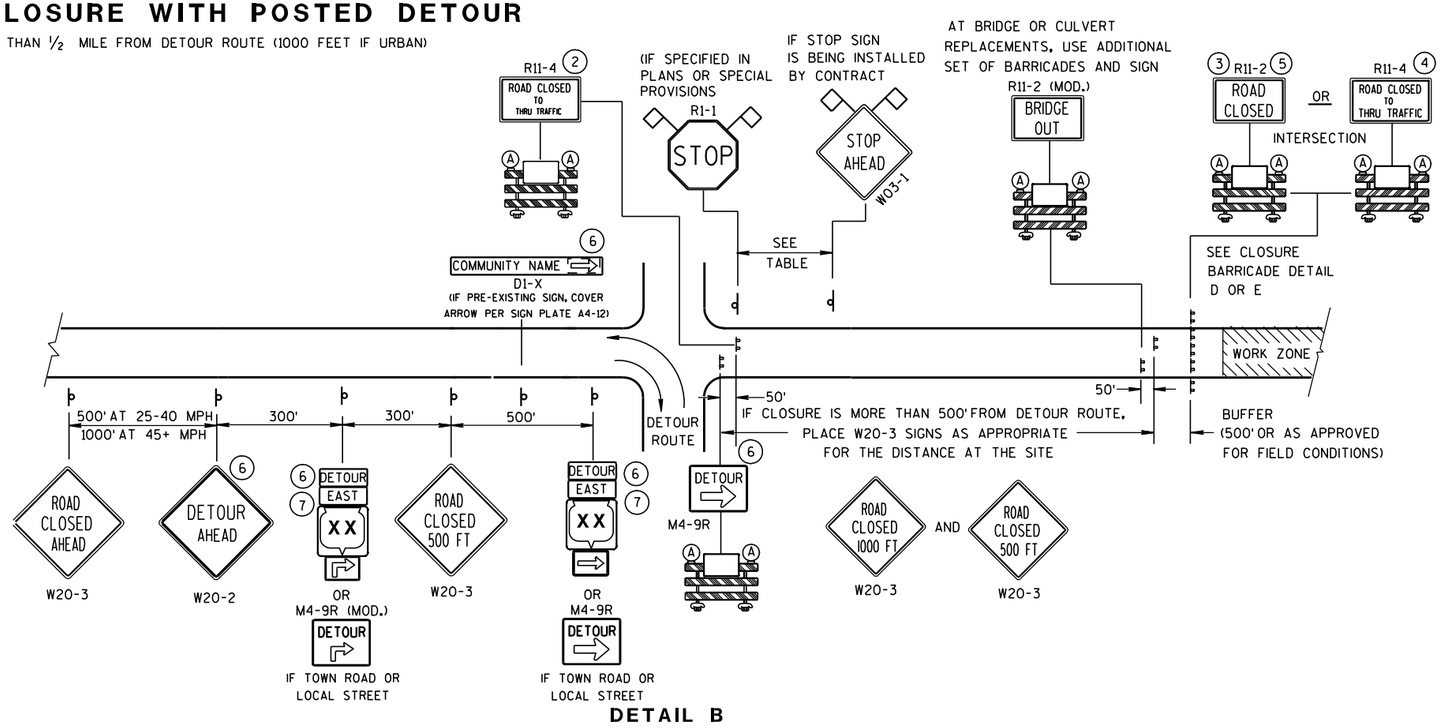


DETAIL C

MAINLINE CLOSURE, NO POSTED DETOUR

SPEED LIMIT (MPH)	"STOP AHEAD" ADVANCE WARNING DISTANCE (FT)
25	200
30	200
35	350
40	350
45	500
50	550
55	750

SEE SDD 15C2-4b
FOR GENERAL NOTES
AND FOOTNOTES ① THROUGH ⑦



DETAIL B

MAINLINE CLOSURE WITH POSTED DETOUR

WORK ZONE LESS THAN ½ MILE FROM DETOUR ROUTE (1000 FEET IF URBAN)

LEGEND

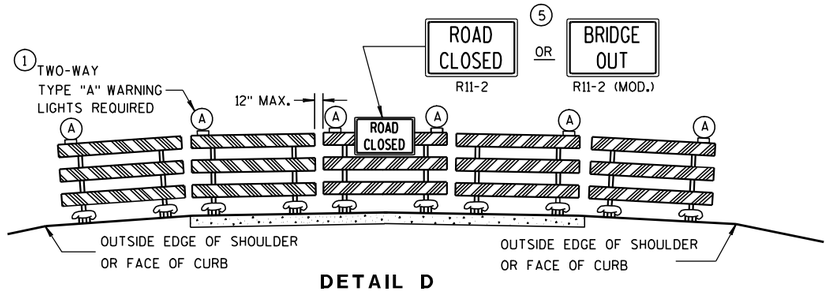
- POST MOUNTED SIGN
- TYPE III BARRICADES
- (A) TYPE "A" LOW INTENSITY FLASHING WARNING LIGHT (FOR NIGHT USE)
- WORK ZONE
- DETOUR / EAST — M4-8 / M3-X
- XX — M1-4; COUNTY XX — M1-5A; XX — M1-6
- M05-1 OR M06-1
- FLAGS, 16" X 16" MIN., (ORANGE)

BARRICADES AND SIGNS FOR MAINLINE CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

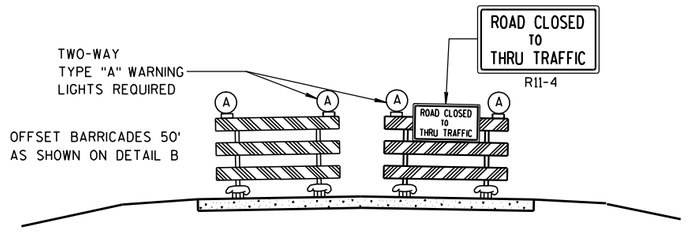
S.D.D. 15 C 2-4a



DETAIL D

ROAD CLOSURE BARRICADE DETAIL

APPROACH VIEW



DETAIL E

LANE CLOSURE BARRICADE DETAIL

APPROACH VIEW

SEE SDD 15C2-4a 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.

THE REFLECTIVE SHEETING USED ON R11-2, R11-3, R11-4, R10-61 AND R1-1 SIGNS SHALL COMPLY WITH SUBSECTION 637.2.2.2 OF THE STANDARD SPECIFICATIONS.

"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 AND 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

APPROVED

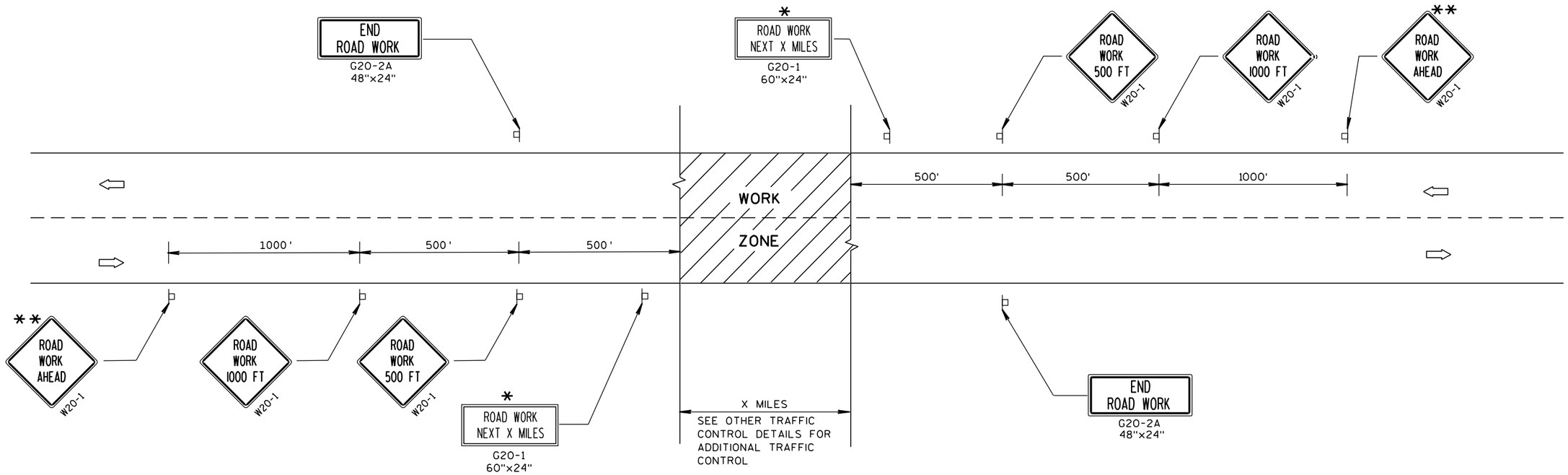
9/16/03
DATE

/S/ Thomas N. N[illegible]
CHIEF SIGNS AND MAR620 INEER

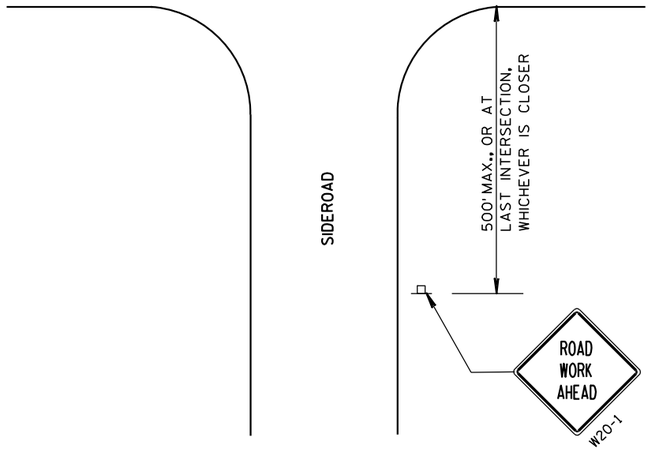
FHWA

6

S.D.D. 15 C 2-4b



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 W20-1 "ROAD WORK AHEAD" SIGN IF WORK AREA WITHIN THE PROJECT IS SEPARATED BY MORE THAN 2 MILES FROM PREVIOUS WORK AREA OR SIGNING.

LEGEND

POST MOUNTED SIGN

DIRECTION OF TRAFFIC FLOW

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

5/23/00 DATE

/S/ Chester J. [illegible] CHIEF SIGNS AND MARKING ENGINEER

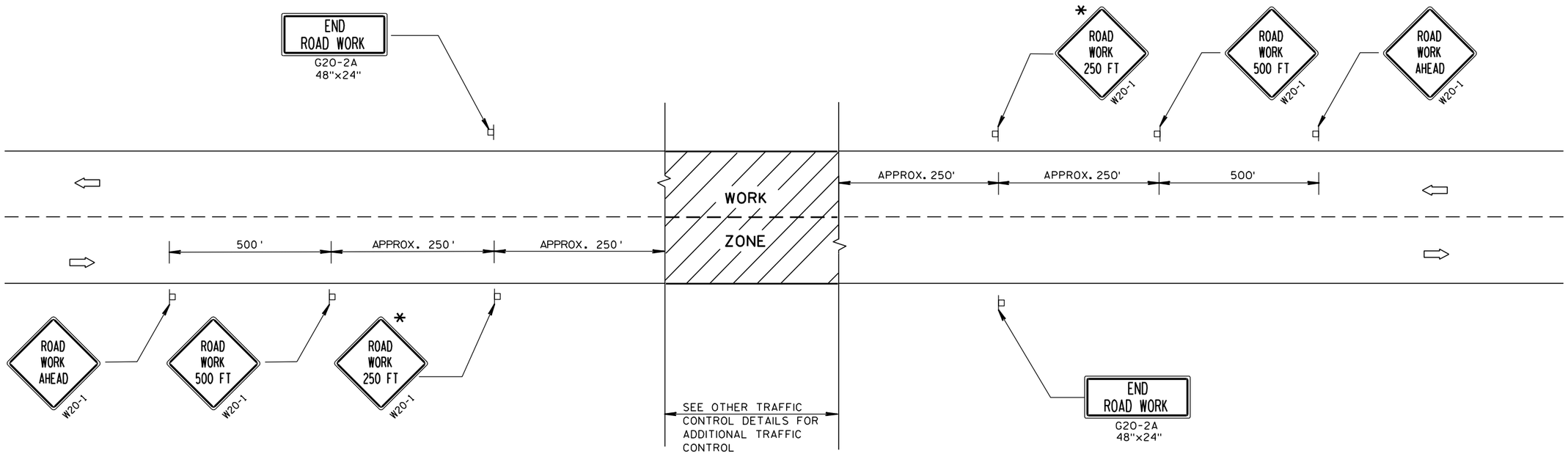
FHWA

6

S.D.D. 15 C 4-1

6

S.D.D. 15 C 4-1



GENERAL NOTES

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS.

THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND SHOULD PROVIDE A DESIRABLE MINIMUM OF 200 FEET CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

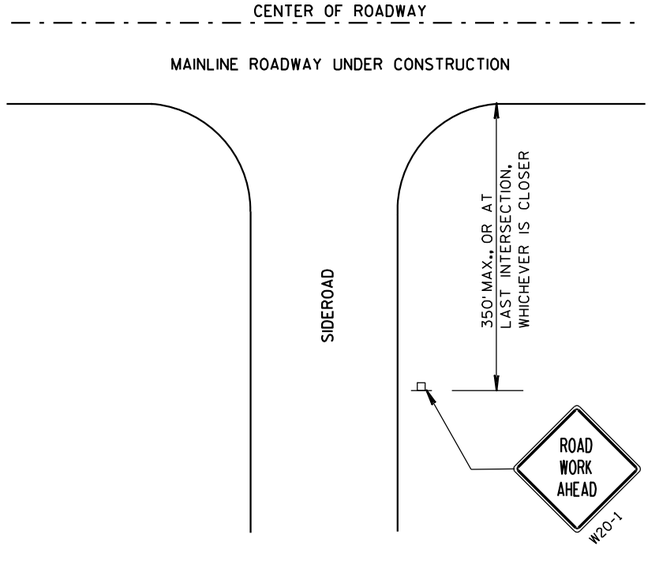
ALL SIGNS ARE 48"x48" UNLESS OTHERWISE NOTED. IF NECESSARY DUE TO SPACE CONSTRAINTS, 36"x36" SIGNS MAY BE USED INSTEAD OF 48"x48" SIGNS, IF APPROVED BY DISTRICT TRAFFIC UNIT.

SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

IF A "STOP" SIGN MUST BE REMOVED FOR A WORK OPERATION, A TEMPORARY "STOP" SIGN SHALL BE PLACED PRIOR TO THE SIGN REMOVAL, OR A FLAGGER SHALL BE PROVIDED UNTIL THE SIGN IS RE-ESTABLISHED.

* THE THIRD W20-1 SIGN IS REQUIRED ONLY IF THERE IS AN INTERSECTION BETWEEN THE "ROAD WORK 500 FT" SIGN AND THE WORK ZONE. ADJUST THE PLACEMENT OF THIS SIGN BASED ON INTERSECTION LOCATION AND OTHER FIELD CONDITIONS.

TYPICAL SIDEROAD APPROACH WARNING SIGN DETAIL



LEGEND

POST MOUNTED SIGN

DIRECTION OF TRAFFIC FLOW

TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 M.P.H. OR LESS TWO-WAY UNDIVIDED ROAD OPEN TO TRAFFIC

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

5/23/00
DATE

/S/ Chester J. [illegible]
CHIEF SIGNS AND MARKING ENGINEER

FHWA

6

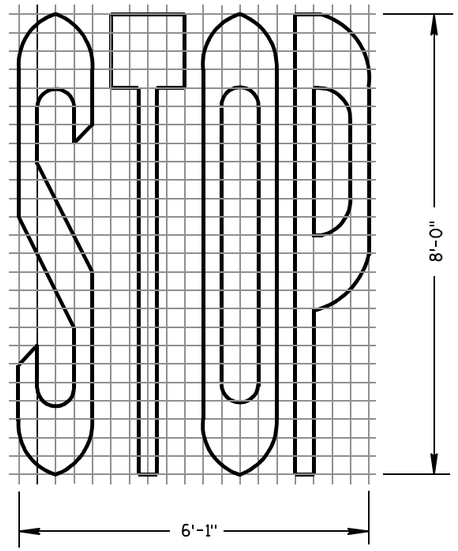
S.D.D. 15 C 5-1

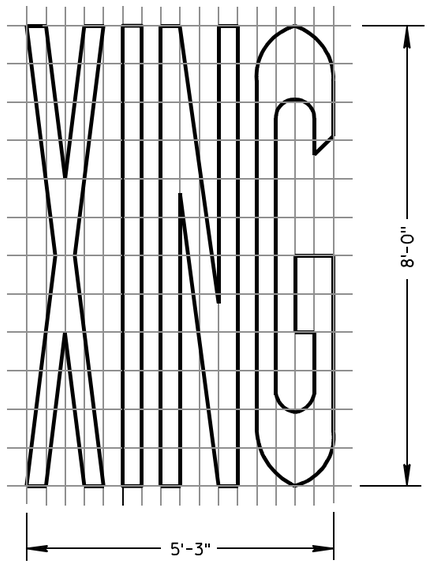
S.D.D. 15 C 5-1

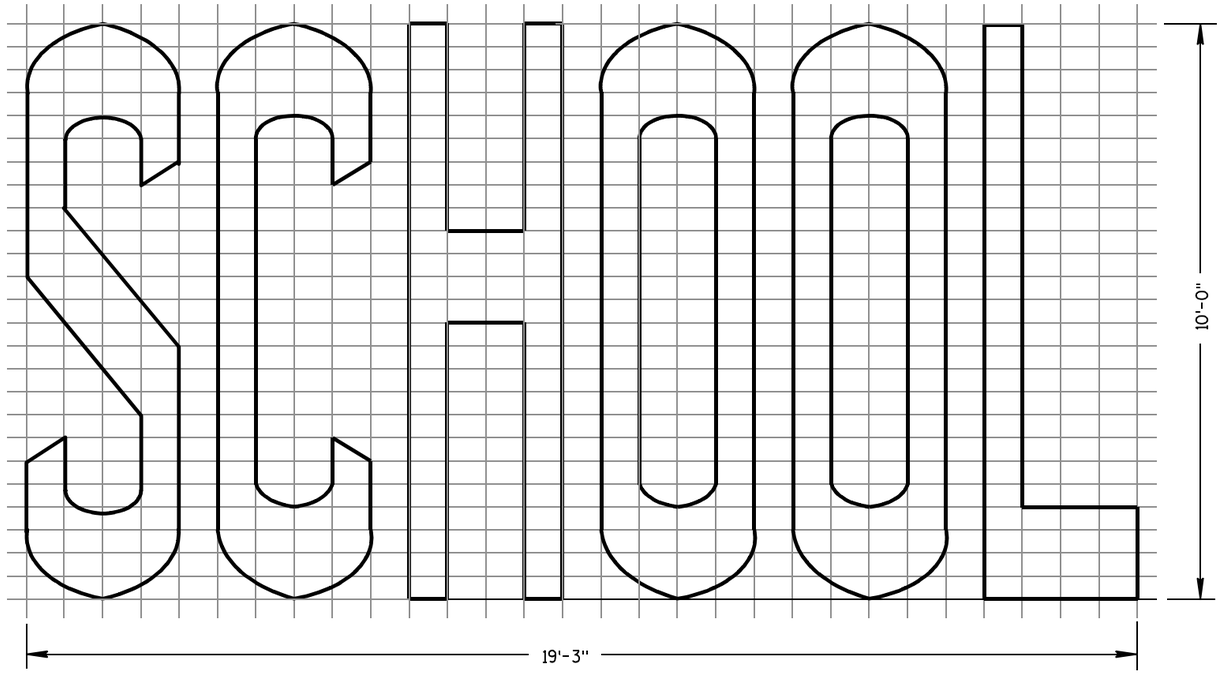
GENERAL NOTES

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

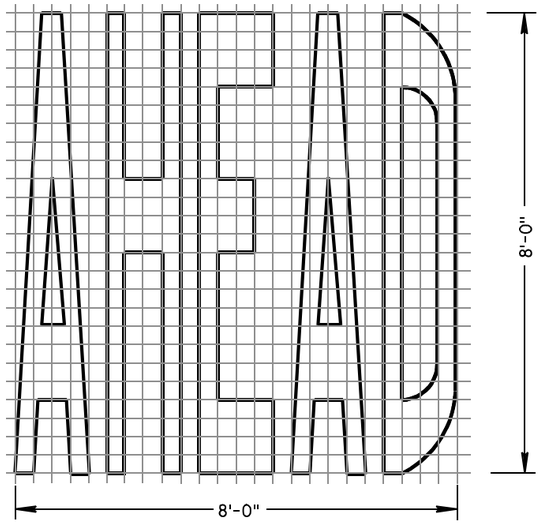
ALL LETTERS, ARROWS AND SYMBOLS SHALL BE IN CONFORMANCE WITH REQUIREMENTS INCLUDED IN "STANDARD ALPHABETS FOR HIGHWAY SIGNS AND PAVEMENT MARKING" BOOK BY THE FEDERAL HIGHWAY ADMINISTRATION. ALL LETTERS, ARROWS AND SYMBOLS SHALL BE WHITE AND REFLECTORIZED. SMALL DIFFERENCES IN DIMENSIONS WITHIN THE TOLERANCES OF THAT BOOK ARE ACCEPTABLE.

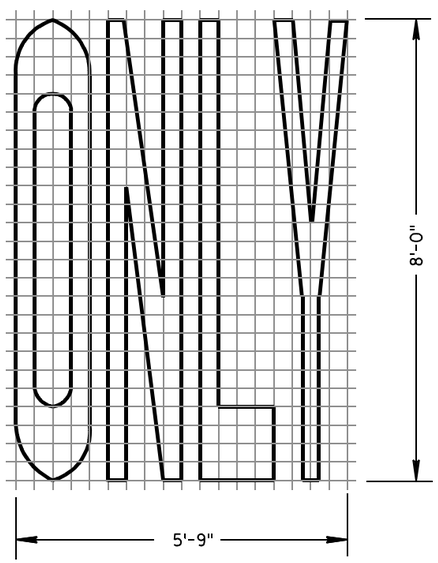


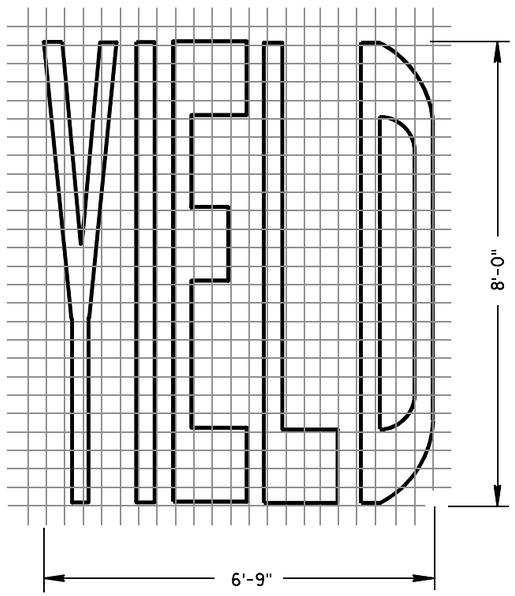


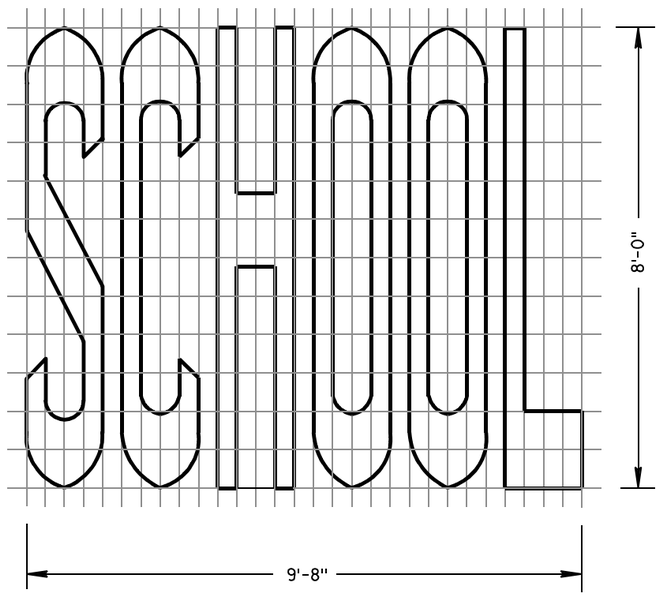


TWO-LANE









SINGLE-LANE

PAVEMENT MARKING WORDS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

7-1-11 DATE — /S/ Thomas N. Nothohm STATE TRAFFIC ENGINEER

FHWA

623

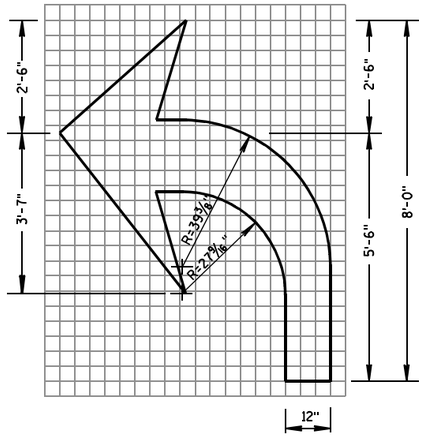
IGN

6

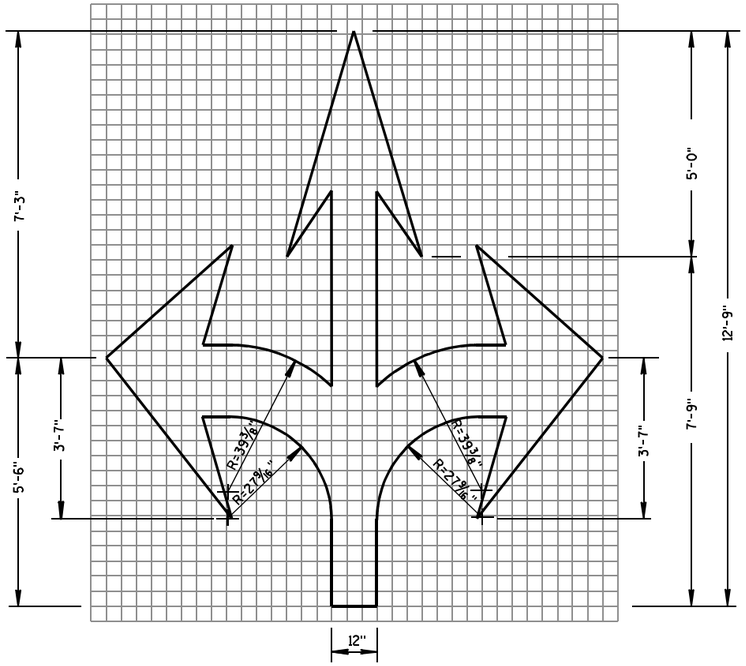
S.D.D. 15 C 7-12b

6

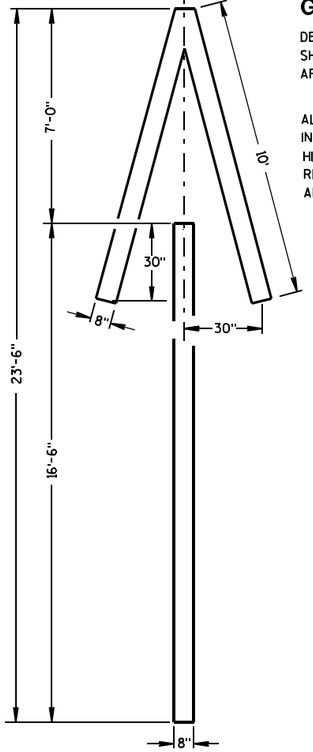
S.D.D. 15 C 7-12b



TYPE 2



TYPE 6

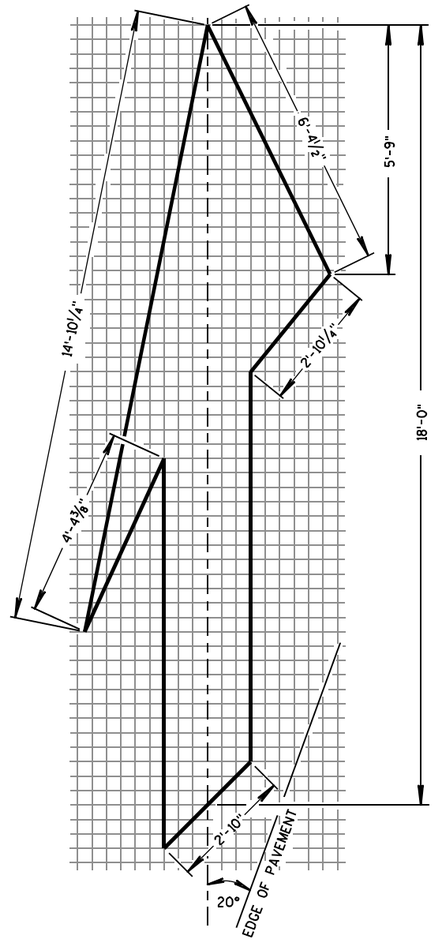


TYPE 4

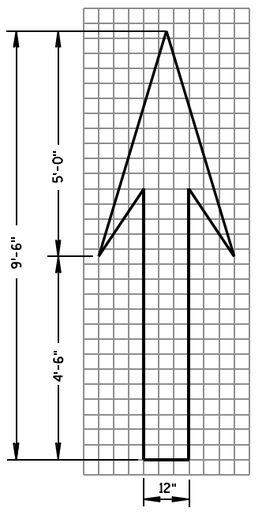
GENERAL NOTES

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

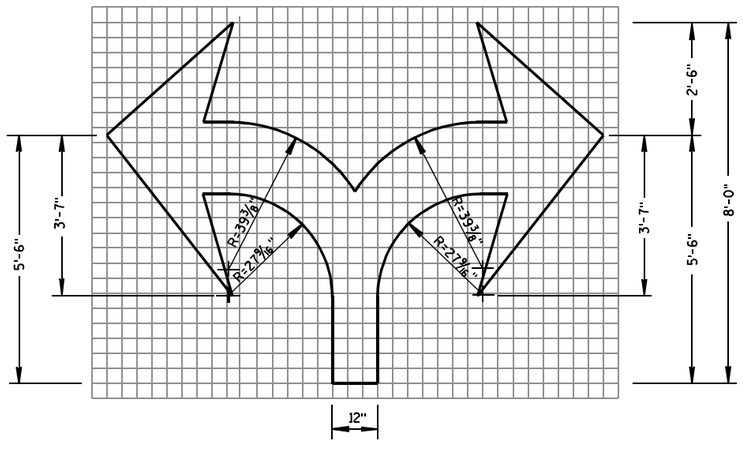
ALL LETTERS, ARROWS AND SYMBOLS SHALL BE IN CONFORMANCE WITH REQUIREMENTS INCLUDED IN "STANDARD ALPHABETS FOR HIGHWAY SIGNS AND PAVEMENT MARKING" BOOK BY THE FEDERAL HIGHWAY ADMINISTRATION. ALL LETTERS, ARROWS AND SYMBOLS SHALL BE WHITE AND REFLECTORIZED. SMALL DIFFERENCES IN DIMENSIONS WITHIN THE TOLERANCES OF THAT BOOK ARE ACCEPTABLE.



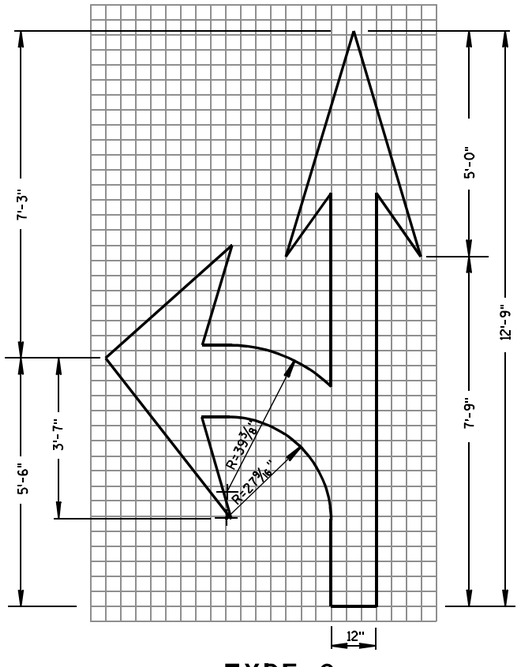
TYPE 5 LANE DROP ARROW



TYPE 1



TYPE 7



TYPE 3

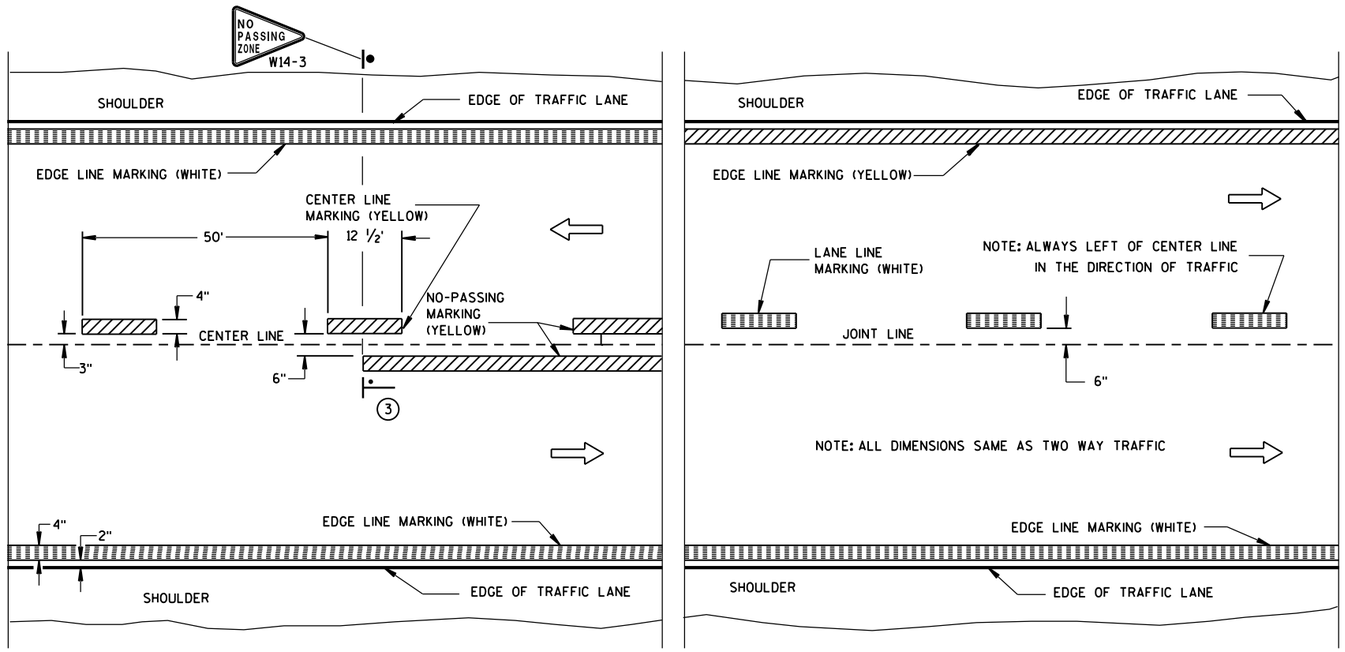
PAVEMENT MARKING ARROWS	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED 7/1/11 DATE	/S/ Thomas N. Nothdurft STATE TRAFFIC ENGINEER
FHWA	

6

S.D.D. 15 C 7-12c

6

S.D.D. 15 C 7-12c



TWO WAY TRAFFIC

ONE WAY TRAFFIC

PERMANENT PAVEMENT MARKING

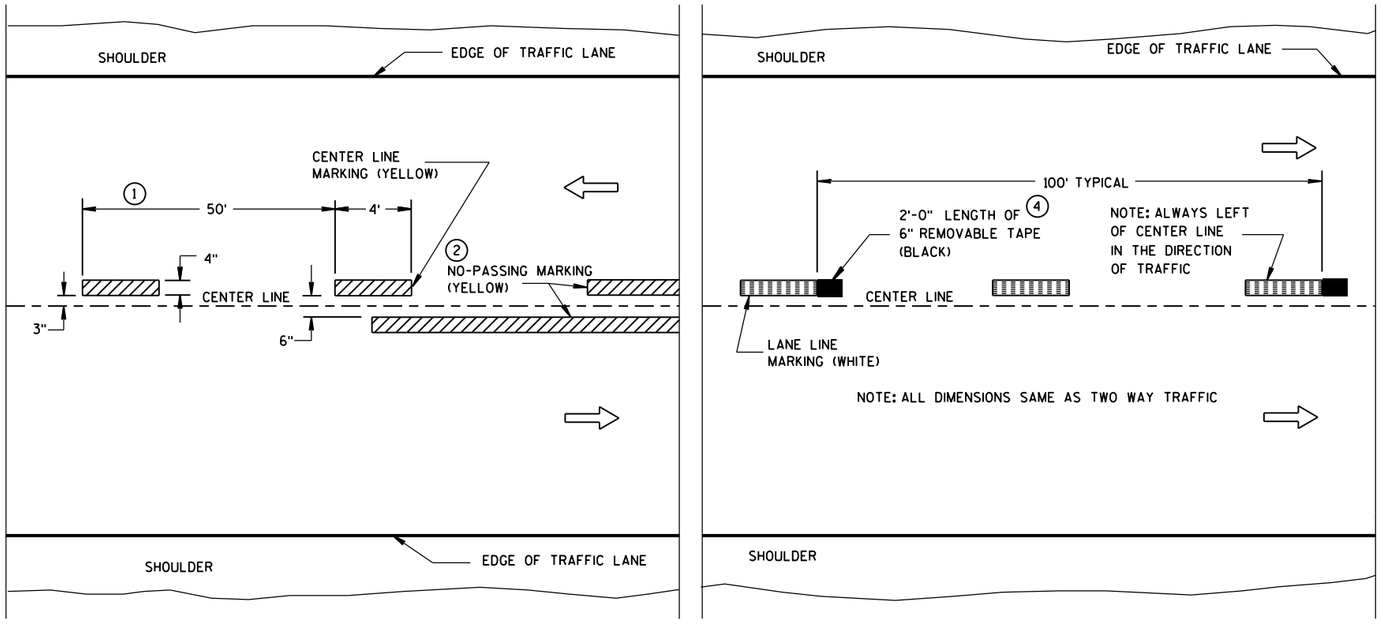
GENERAL NOTES

DETAILS OF CONSTRUCTION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO STANDARD SPECIFICATIONS AND SPECIAL PROVISIONS.

1. HALF CYCLE LENGTHS (25'±) WITH 2' MINIMUM STRIPE LENGTHS SHALL BE PROVIDED ON ROADWAYS (INCLUDING TEMPORARY TRAVELED WAYS) WITH REVERSE CURVATURE, CURVATURE OF OVER 5 DEGREES OR WHEN DIRECTED BY THE ENGINEER TO MARK UNUSUAL ALIGNMENT OF THE TRAVELED WAY.
2. NO PASSING ZONE TEMPORARY PAVEMENT MARKING IS REQUIRED TO BE PLACED, WHERE APPROPRIATE, ALONG WITH CENTERLINE TEMPORARY PAVEMENT MARKING WHEN A SAME DAY PERMANENT PAVEMENT MARKING ITEM IS INCLUDED IN THE CONTRACT.
3. NO PASSING ZONE MARKINGS ARE PLACED ACCORDING TO "T" MARKINGS. IF EXISTING NO PASSING ZONE W14-3 SIGNS ARE BEYOND 50 FEET IN EITHER DIRECTION, THE SIGNS SHALL BE MOVED TO THE "T" MARKINGS.
4. CONCRETE ONLY.

NOTE

ARROW SYMBOL (⇨) SHOWS DIRECTION OF TRAVEL

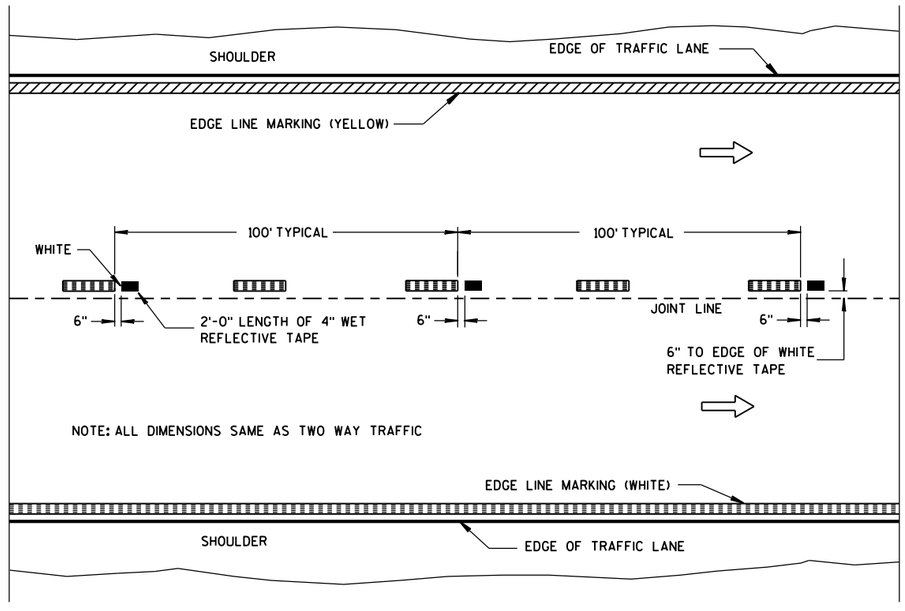


TWO WAY TRAFFIC

ONE WAY TRAFFIC

TEMPORARY (INTERMEDIATE) PAVEMENT MARKING

(SHOWS CYCLE FOR TEMPORARY CENTER LINE OR TEMPORARY LANE LINE MARKING)



WET REFLECTIVE TAPE SUPPLEMENT TO
SPRAYED OR NON WET REFLECTIVE TAPE LANE LINE

LEGEND

"T" MARKING

POST MOUNTED SIGN

PAVEMENT MARKING (MAINLINE)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

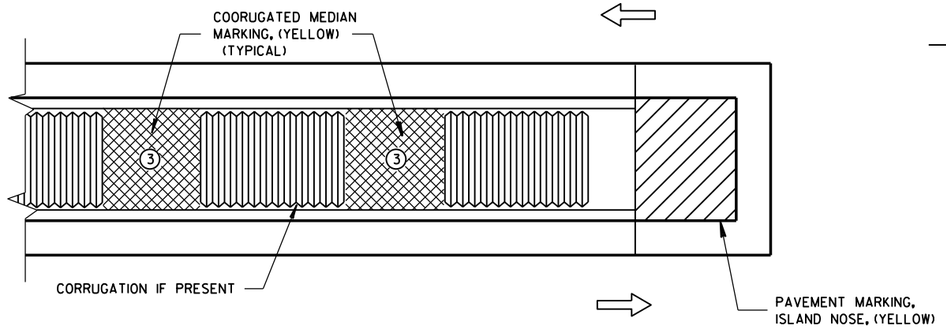
APPROVED
10-1-2012 — DATE
/S/ Travis Feltes — STATE TRAFFIC ENGINEER
FHWA

6

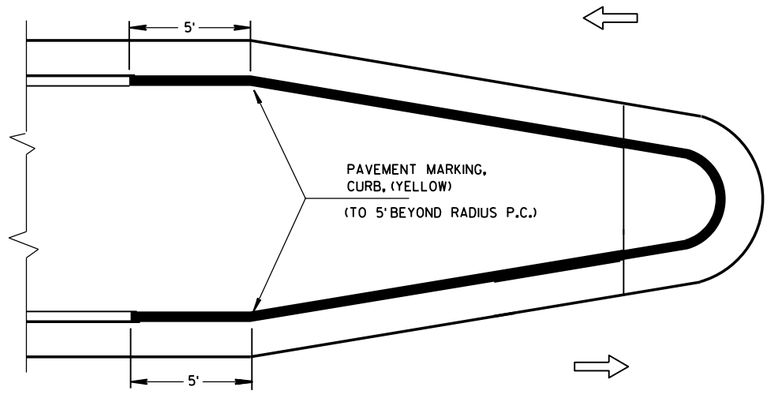
S.D.D. 15 C 8-15a

6

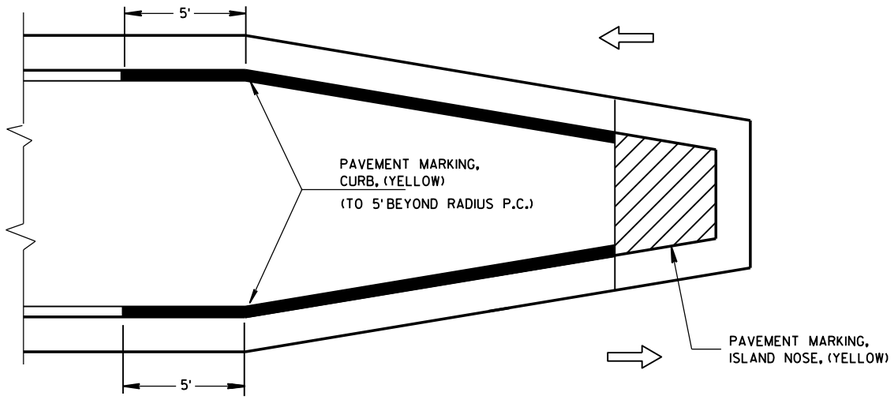
S.D.D. 15 C 8-15a



MEDIAN ISLAND WITH SQUARE BLUNT NOSE

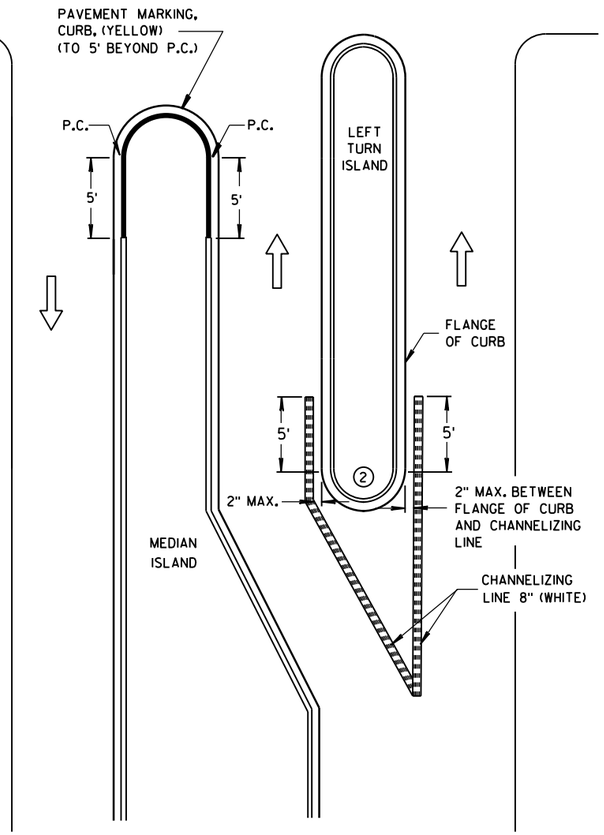


MEDIAN ISLAND WITH ROUND BLUNT NOSE



MEDIAN ISLAND WITH SLOPED NOSE

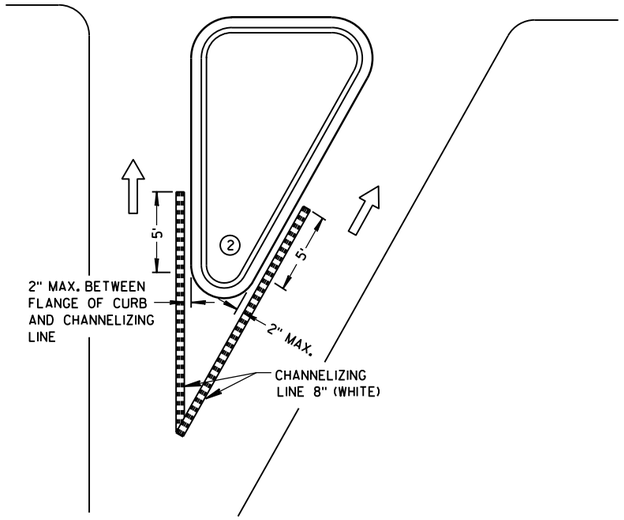
TYPICAL PLACEMENT OF PAVEMENT MARKING ON MEDIAN ISLANDS



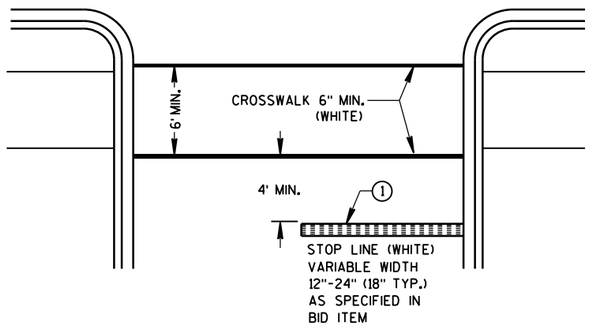
LEFT TURN & MEDIAN ISLAND

GENERAL NOTES

1. STOP LINE IS REQUIRED ONLY WHEN SPECIFIED IN THE CONTRACT.
2. DO NOT MARK CURB NOSES THAT SEPARATE LANES OF TRAFFIC TRAVELING IN THE SAME DIRECTION.
3. WHEN CONCRETE CORRUGATED MEDIAN IS CONSTRUCTED TO SEPARATE TRAFFIC OPERATING IN THE OPPOSING DIRECTION YELLOW PAVEMENT MARKING SHALL BE APPLIED TO THE FLAT PORTION OF THE CONCRETE CORRUGATED MEDIAN. THE ITEM OF PAVEMENT MARKING, CONCRETE CORRUGATED MEDIAN, WILL BE MEASURED IN PLACE AND AND ACCEPTED IN ACCORDANCE WITH THE CONTRACT AND PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE FOOT.



RIGHT TURN ISLAND



STOP LINE AND CROSSWALK

LEGEND

- ISLAND NOSE MARKING
- CURB MARKING
- CORRUGATED MEDIAN MARKING
- DIRECTION OF TRAVEL

PAVEMENT MARKING (ISLANDS, STOP LINE & CROSS WALK)

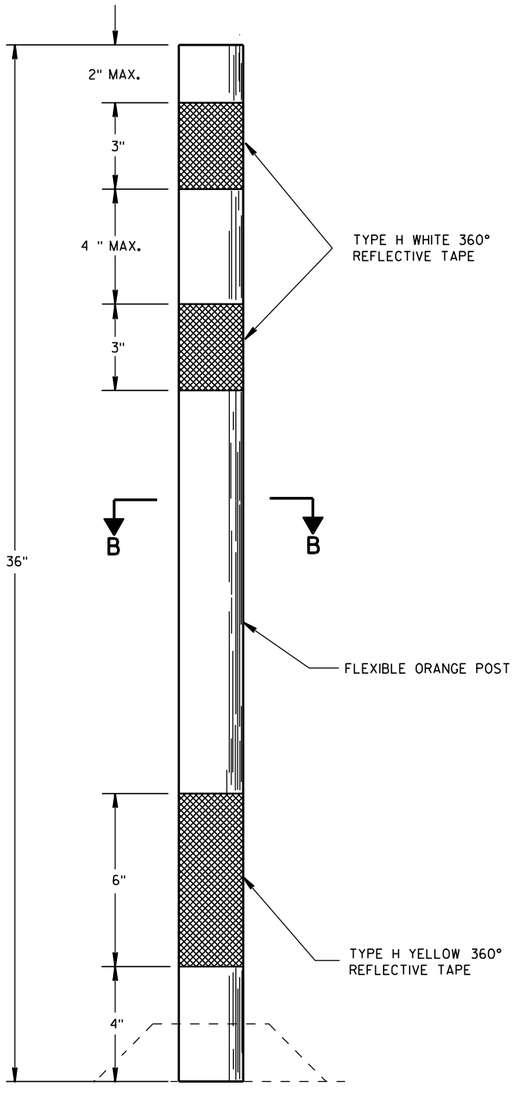
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

6

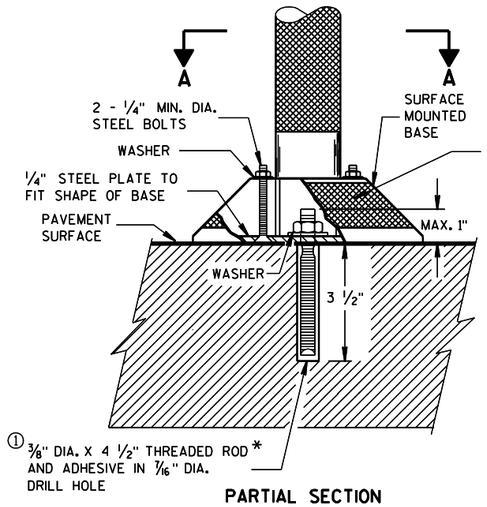
S.D.D. 15 C 8-15f

6

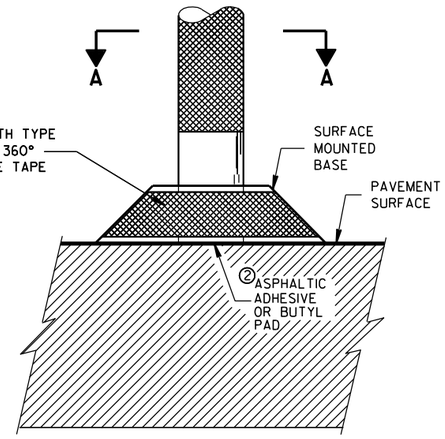
S.D.D. 15 C 8-15f



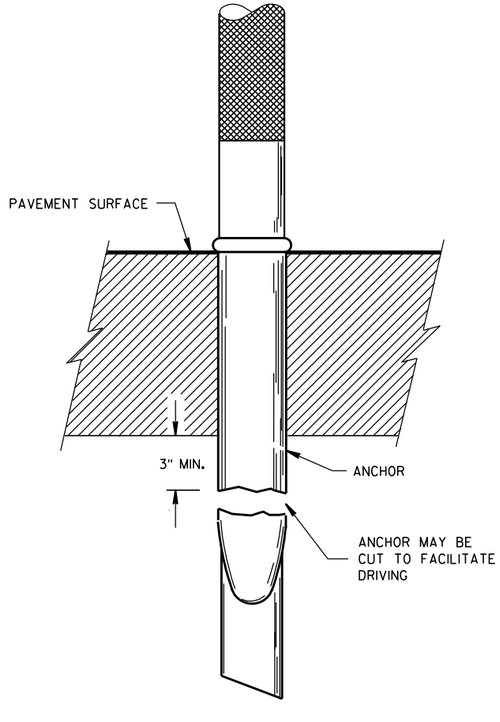
FLEXIBLE TUBULAR MARKER POST

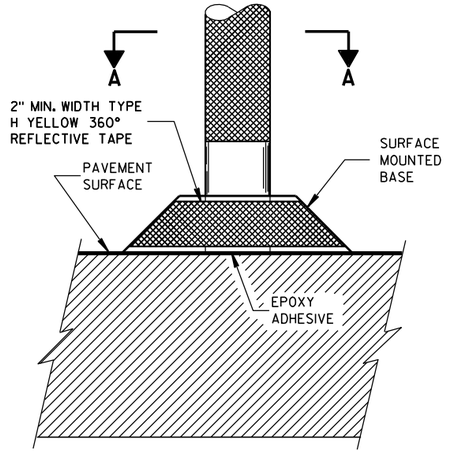


PARTIAL SECTION TO SHOW BOLTS



POST BASES ON NEW OR EXISTING PAVEMENT





POST ANCHOR AND BASE ON PAVEMENT WHICH WILL BE REMOVED

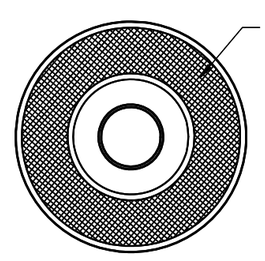
GENERAL NOTES

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

SURFACE MOUNTED BASES SHALL BE FURNISHED IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS TO BE COMPATIBLE WITH FLEXIBLE TUBULAR MARKER POSTS TO A SIZE AND SHAPE THAT WILL PROVIDE A STABLE POST FOUNDATION WHEN SECURED TO THE PAVEMENT.

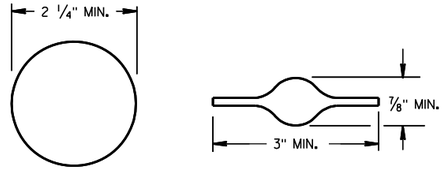
① THREADED ROD SHALL BE MACHINED DOWN TO 0.280 INCH DIA. 1 1/4 INCHES FROM THE TOP.

② THE ASPHALTIC ADHESIVE OR BUTYL PAD FURNISHED SHALL BE IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS.



SECTION A-A

SURFACE MOUNTED BASE



SECTION B-B

ALTERNATIVE SHAPES

FLEXIBLE TUBULAR MARKER POST, ANCHOR & BASES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

2/17/94
DATE

/S/ Chester J. [illegible]
DIRECTOR, OFFICE O

FHWA

627

6

S.D.D. 15 C 11-5

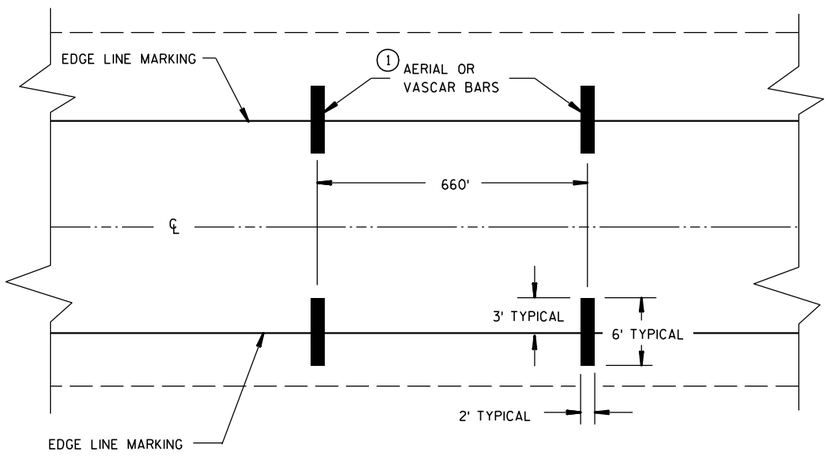
6

S.D.D. 15 C 11-5

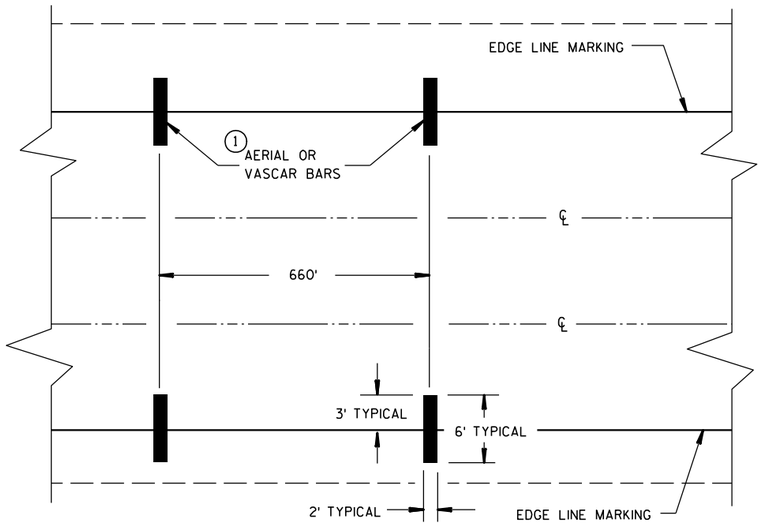
GENERAL NOTES

(1) NUMBER OF VASCAR OR AERIAL BARS SHALL BE A MINIMUM OF 2 OR A MAXIMUM OF 5 AT 660' SPACING.

A CAR CAN BE PROVIDED BY THE WISCONSIN STATE PATROL FOR TRAFFIC CONTROL.



TYPICAL FOR TWO WAY OR ONE WAY TRAFFIC



TYPICAL FOR MULTILANE TRAFFIC

SPEED ENFORCEMENT ZONE WITH AERIAL OR VASCAR BARS

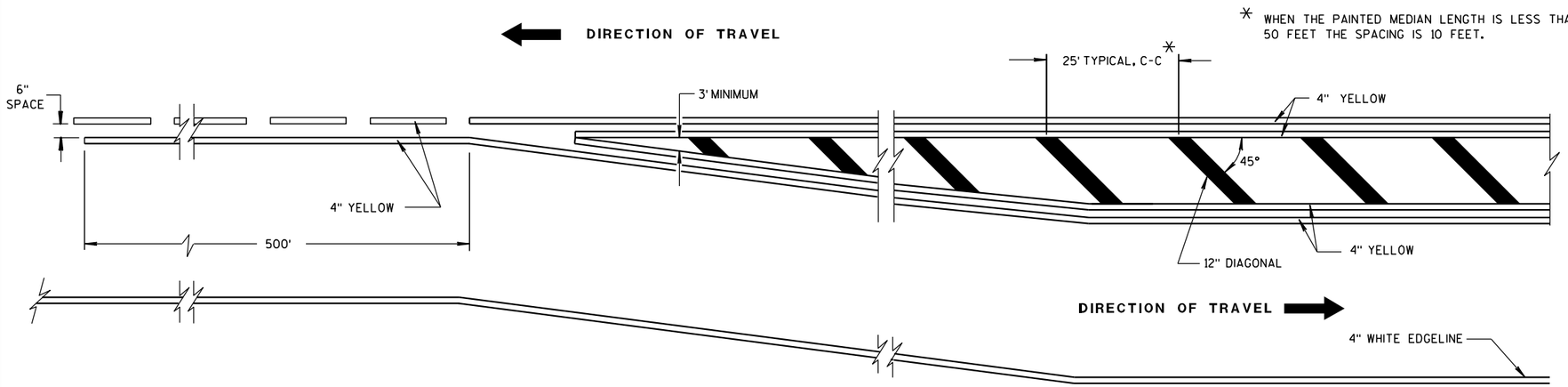
6

S.D.D. 15 C 14-1

AERIAL ENFORCEMENT BARS PAVEMENT MARKING DETAILS	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED	
4/23/01 DATE	/S/ Chester L Spong CHIEF SIGNS AND MARKINGS ENGINEER
FHWA	

6

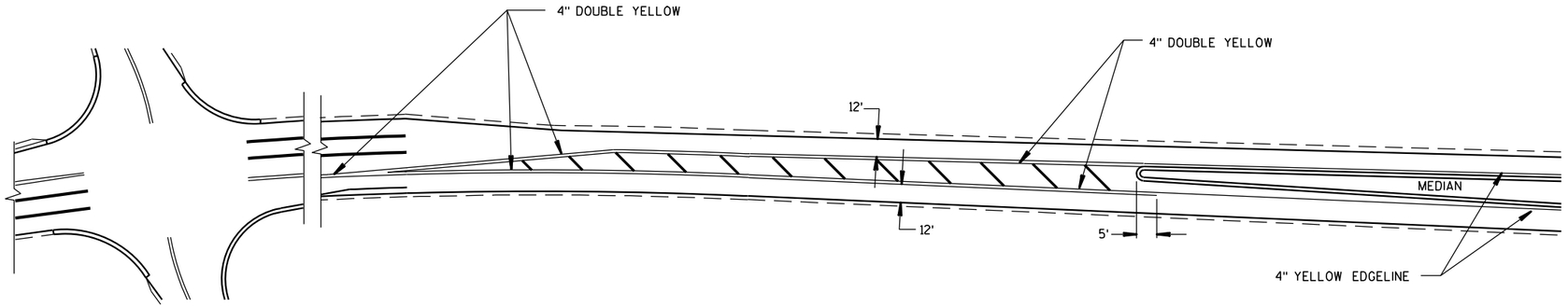
S.D.D. 15 C 14-1



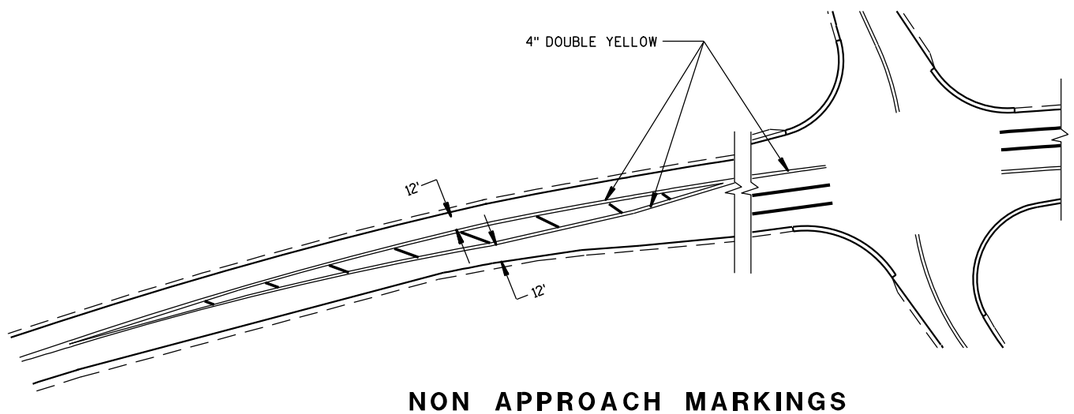
MEDIAN ISLAND DETAIL

GENERAL NOTE

DIAGONALS ARE OPTIONAL WHEN PAINTED ISLAND IS LESS THAN 6 FEET AT WIDEST POINT.



APPROACH MARKINGS FOR OTHER MEDIAN TYPES



NON APPROACH MARKINGS

6

6

S.D.D. 15 C 18-3

S.D.D. 15 C 18-3

MEDIAN ISLAND MARKING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

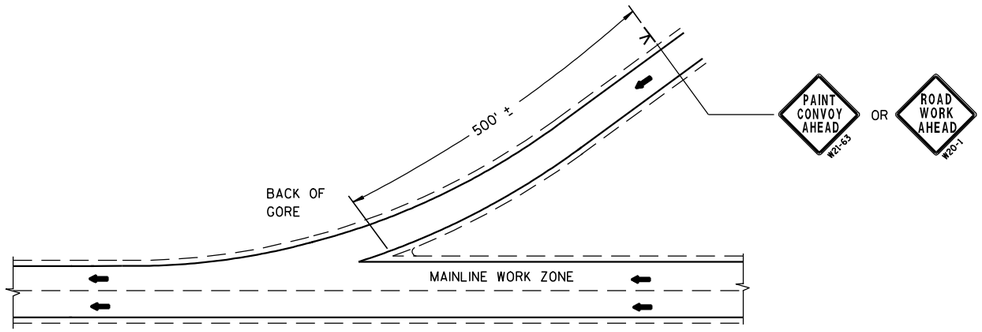
APPROVED

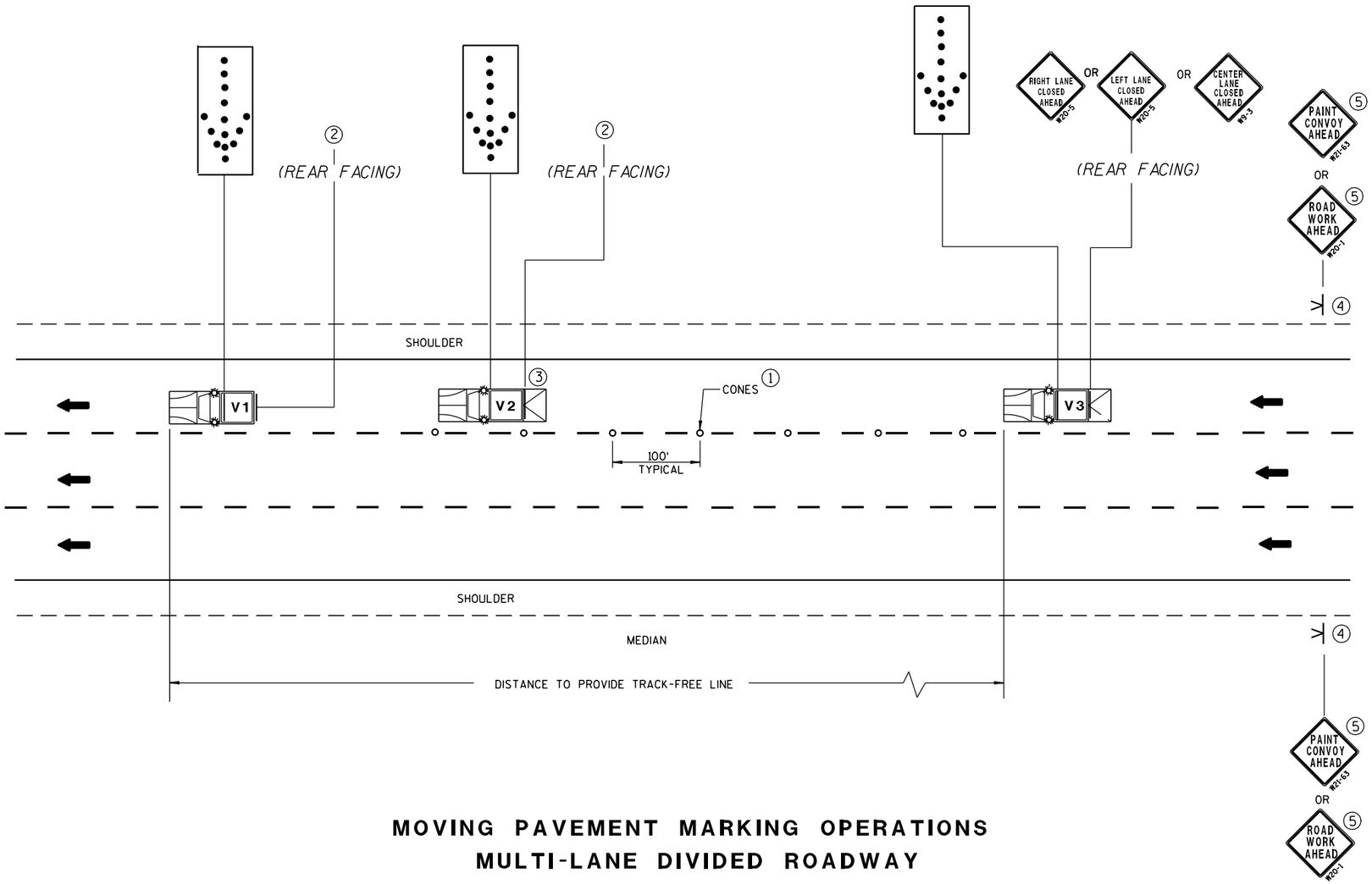
2-5-09 DATE

/S/ Thomas N. Nothohm
STATE TRAFFIC ENGINEER

629 IGN

FHWA





MOVING PAVEMENT MARKING OPERATIONS
MULTI-LANE DIVIDED ROADWAY

GENERAL NOTES

ALL VEHICLES SHALL BE EQUIPPED WITH TWO 360 DEGREE HIGH INTENSITY YELLOW FLASHING LIGHTS OR STROBE LIGHTS AND OPERATED WITH HEADLIGHTS TURNED ON.

ALL VEHICLES SHALL BE EQUIPPED WITH REAR FACING TYPE B OR C FLASHING ARROW PANEL. SIGNS PLACED ON VEHICLES MUST NOT OBSCURE THE ARROW PANEL.

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

IF SPEED LIMIT IS 40 MPH OR LESS STATIONARY SIGNS MAY BE OMITTED IF CONES ARE USED.

ALTERNATE SIGN MESSAGES, SUCH AS "PAINT CREW AHEAD" OR "ROAD PAINTING AHEAD" MAY BE USED.

DISTANCE BETWEEN VEHICLES MAY VARY ACCORDING TO TERRAIN, SIGHT DISTANCE, PAINT DRYING TIME, AND OTHER FACTORS. WHENEVER ADEQUATE STOPPING SIGHT DISTANCE EXISTS TO THE REAR, SHADOW VEHICLES SHOULD MAINTAIN THE MINIMUM DISTANCE FROM THE WORK VEHICLE AND PROCEED AT THE SAME SPEED AS THE WORK VEHICLE. SHADOW VEHICLES SHOULD SLOW DOWN IN ADVANCE OF VERTICAL OR HORIZONTAL CURVES THAT RESTRICT SIGHT DISTANCE.

WHEN WORK ACTIVITY BLOCKS THE LEFT LANE, REVERSE TRAFFIC CONTROL.

WHEN A RAMP INTERSECTS THE FACILITY ON WHICH THE WORK IS BEING PERFORMED, PROVIDE ADDITIONAL TRAFFIC CONTROLS AS SPECIFIED IN THE CONTRACT OR AS APPROVED BY THE ENGINEER.

USE AN ATTENUATOR ON THE REARMOST VEHICLE THAT BLOCKS ALL OR PART OF THE TRAFFIC LANE.

FOR EDGELINE MARKING OR IF CONES ARE NOT USED, POSITION THE REARMOST SHADOW VEHICLE ON THE SHOULDER AS SHOWN IN THE MUTCD IF THE SHOULDER HAS ADEQUATE WIDTH. USE DOUBLE ARROWS WHEN CONVOY IS IN CENTER LANE ONLY.

WHEN NO WORK ACTIVITY IS TAKING PLACE, REMOVE OR TURN THE STATIONARY WARNING SIGNS AWAY FROM TRAFFIC.

THIS DRAWING SHALL BE USED FOR EDGELINE OR LANELINE MARKING FOR MULTILANE DIVIDED ROADWAYS.

(1) CONES MAY BE OMITTED ON PAINTED LINE IF APPROVED BY THE ENGINEER. CONSIDER PAVEMENT MARKING DRY OR CURE TIMES AND TRAFFIC VOLUME.

(2) USE STANDARD SIGN W21-64 WITH APPROPRIATE ARROW.

WET PAINT W21-64 OR WET PAINT W21-64

(3) OPTIONAL TRUCK-MOUNTED ATTENUATOR.

(4) SIGNS SHALL BE REPEATED AFTER EVERY ON RAMP OR EVERY THREE MILES.

(5) IF CONSTRUCTION WORK ZONE SIGNS ARE IN PLACE, W20-1 OR W21-63 ARE NOT REQUIRED.

LEGEND

V1	LEAD VEHICLE
V2	SHADOW VEHICLE
V3	TRAIL VEHICLE WITH TMA
TMA	TRUCK-MOUNTED ATTENUATOR
	SIGN ON PORTABLE SUPPORT
	DIRECTION OF TRAVEL
	CONES
	FLASHING ARROW PANEL (MERGE)

MOVING PAVEMENT MARKING OPERATION
MULTI-LANE DIVIDED ROADWAY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

12/6/2011 DATE

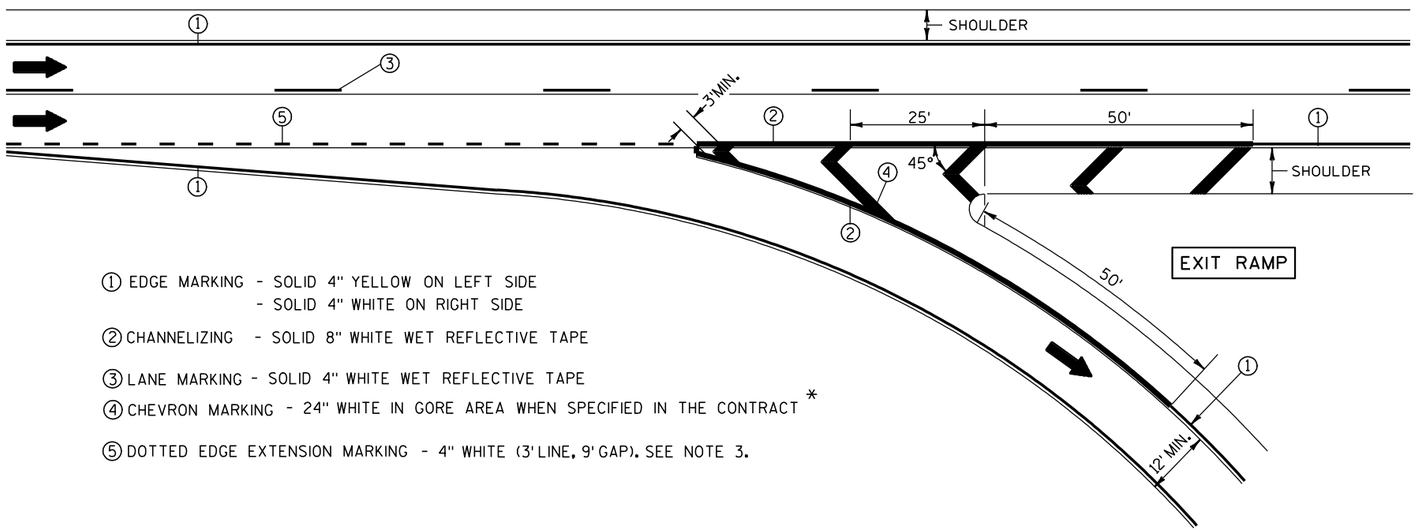
/S/ Thomas N. Nothohm
STATE TRAFFIC ENGINEER

630 SIGN

FHWA

6

S.D.D. 15 C 19-1c



① EDGE MARKING - SOLID 4" YELLOW ON LEFT SIDE
- SOLID 4" WHITE ON RIGHT SIDE

② CHANNELIZING - SOLID 8" WHITE WET REFLECTIVE TAPE

③ LANE MARKING - SOLID 4" WHITE WET REFLECTIVE TAPE

④ CHEVRON MARKING - 24" WHITE IN GORE AREA WHEN SPECIFIED IN THE CONTRACT *

⑤ DOTTED EDGE EXTENSION MARKING - 4" WHITE (3' LINE, 9' GAP). SEE NOTE 3.

NOTES:

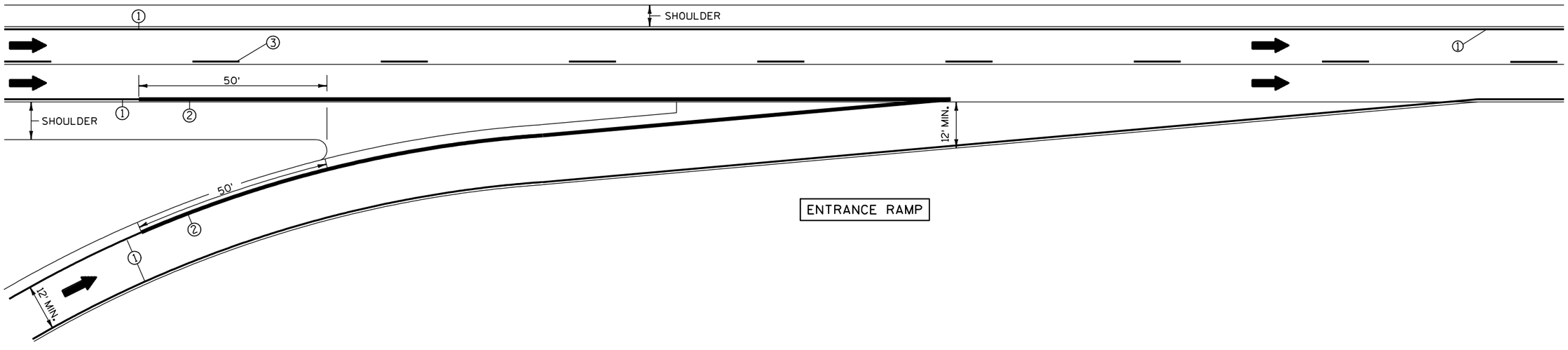
1. ARROWS SHOWN ON THIS MARKING PLAN DESIGNATE TRAFFIC FLOW, AND SHALL NOT BE TAKEN AS PROPOSED PAVEMENT MARKINGS.

2. PLACE WHITE EDGE OF TAPE 6" LEFT FROM JOINT.

3. 3' LINE 9' GAP, EXCEPT RETRACE THE EXISTING LINE-GAP PATTERN WHERE EXISTING MARKINGS ARE IN PLACE.

4. RETRACE EXISTING DIAGONAL MARKINGS.

* REFER TO DESIGN NOTES.



6

6

S.D.D. 15 C 31-1a

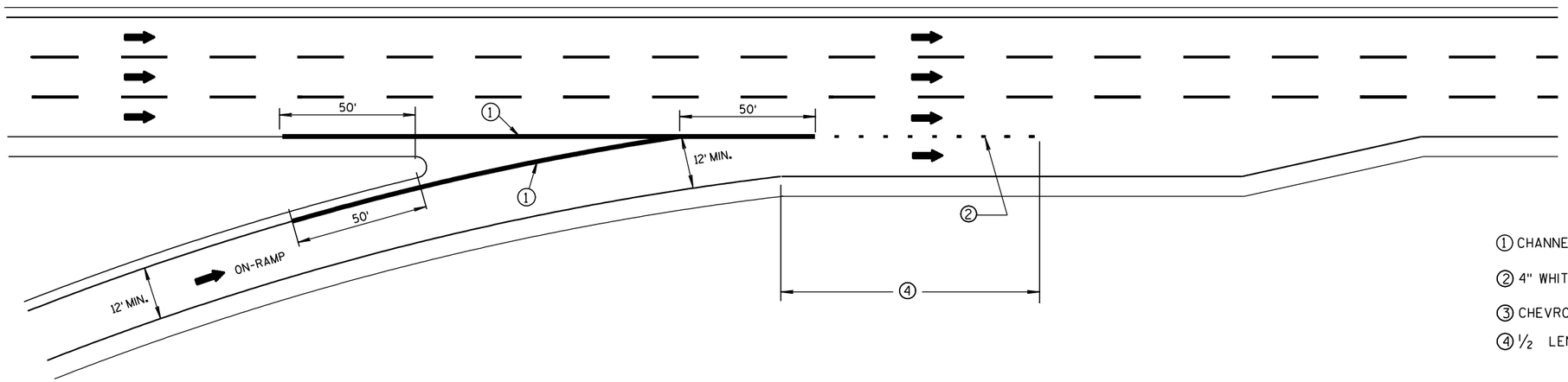
S.D.D. 15 C 31-1a

PAVEMENT MARKING (RAMPS AND GORES)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

NOTES:

1. AHEAD ARROWS SHOWN ON THIS MARKING PLAN DESIGNATE TRAFFIC FLOW, AND SHALL NOT BE TAKEN AS PROPOSED PAVEMENT MARKINGS.
2. PLACE WHITE EDGE OF TAPE 6" LEFT FROM JOINT.
3. RETRACE EXISTING DIAGONAL MARKINGS.



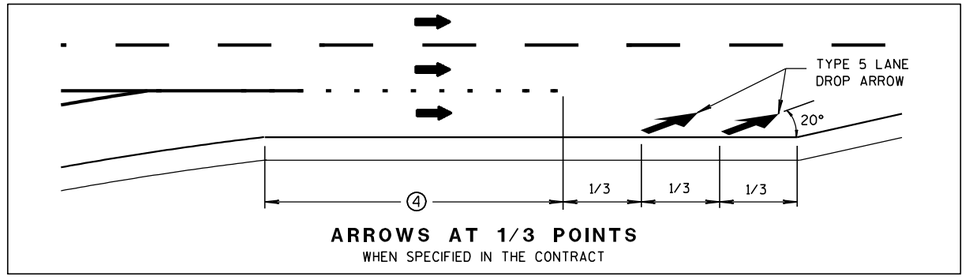
① CHANNELIZING - SOLID 8" WHITE WET REFLECTIVE TAPE IN GORE AREA.

② 4" WHITE (3' LINE, 9' GAP).

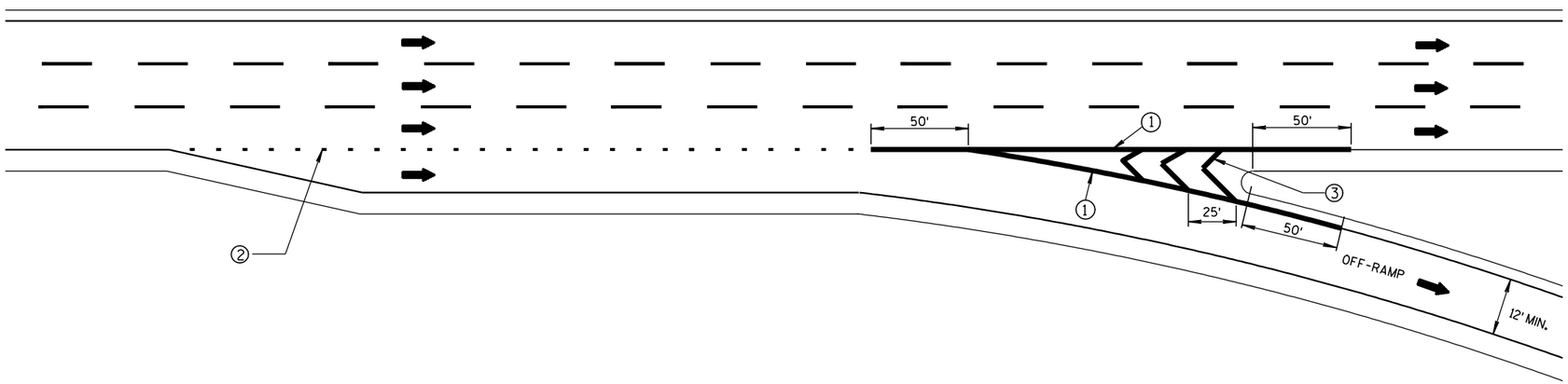
③ CHEVRON MARKING - 24" WHITE WHEN SPECIFIED IN THE CONTRACT.

④ ½ LENGTH OF FULL WIDTH ACCELERATION LANE.

SERVICE INTERCHANGE PAVEMENT MARKING FOR PARALLEL ENTRANCE-RAMP



ARROWS AT 1/3 POINTS
WHEN SPECIFIED IN THE CONTRACT



SERVICE INTERCHANGE PAVEMENT MARKING FOR PARALLEL EXIT-RAMP

PAVEMENT MARKING FOR PARALLEL ON-RAMP AND PARALLEL OFF-RAMP

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

6/23/2011
DATE

/S/ Thomas N. Nothem
STATE TRAFFIC ENGINE 632 SIGN

FHWA

6
S.D.D. 15 C 31-1d

LEGEND

- POST WITH ATTACHED SIGN
- DRUM WITH WARNING LIGHT (TYPE C)
- DRUM
- ARROW BOARD
- REMOVING PAVEMENT MARKING
- TEMPORARY PRECAST CONCRETE BARRIER
- DIRECTION OF TRAFFIC
- WORK ZONE

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 AND 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 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.

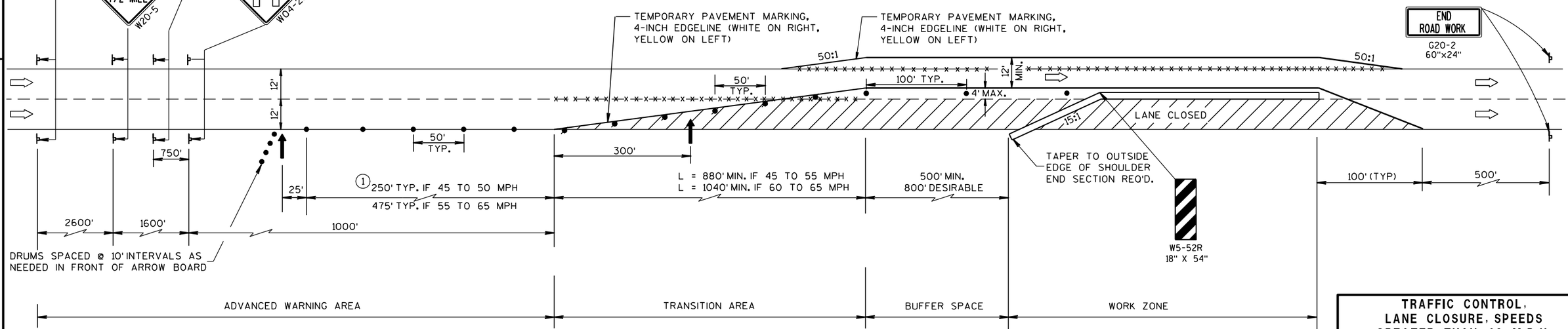
REMOVE PAVEMENT MARKINGS IF LANE CLOSURE IS TO BE IN PLACE FOR LONGER THAN 7 CONTINUOUS DAYS AND NIGHTS.

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.

NO EQUIPMENT OR MATERIAL SHALL BE LOCATED WITHIN THE WORK ZONE OTHER THAN BEHIND THE PRECAST CONCRETE BARRIER.





TRAFFIC CONTROL, LANE CLOSURE, SPEEDS GREATER THAN 40 M.P.H. WITH BARRIER

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

7-14-94
DATE

/S/ Chester J. [illegible]
DIRECTOR, OFFICE OF 633 IC

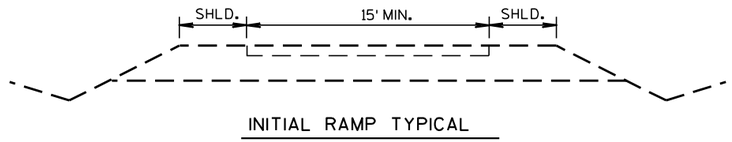
FHWA

6

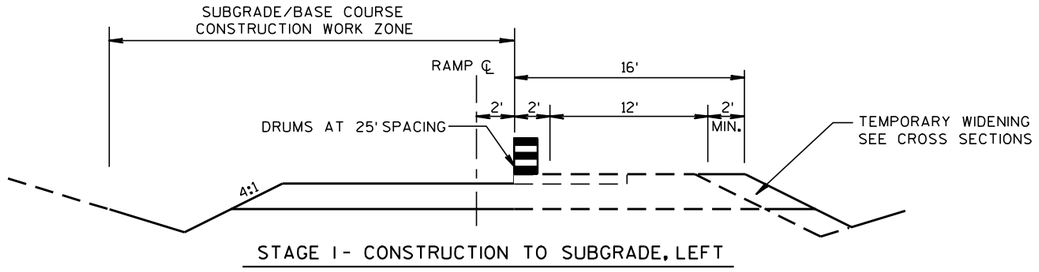
S.D.D. 15 D 3-1

6

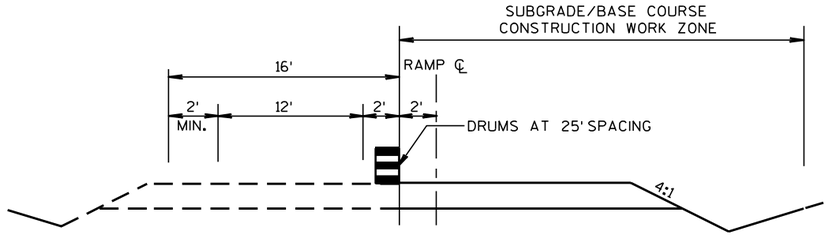
S.D.D. 15 D 3-1



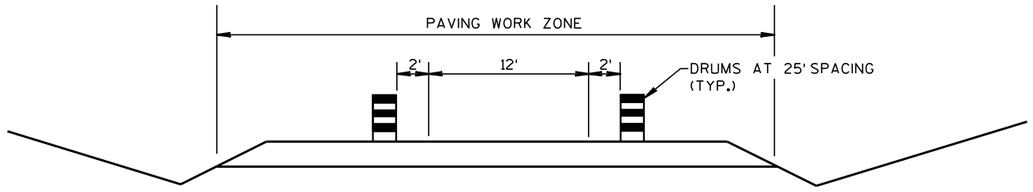
INITIAL RAMP TYPICAL



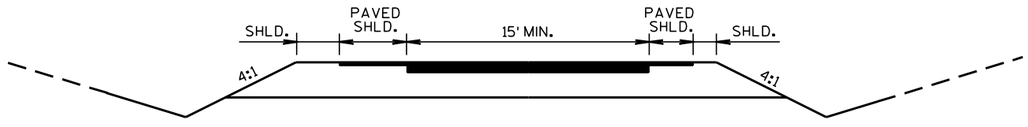
STAGE I - CONSTRUCTION TO SUBGRADE, LEFT



STAGE II - CONSTRUCTION TO SUBGRADE, RIGHT



STAGE III - TRAFFIC ON BASE COURSE



STAGE IV - PAVING

GENERAL NOTES :

WORK SHALL BE SCHEDULED FOR ALL STAGES TO MINIMIZE INCONVENIENCE TO THE TRAFFIC USING THE RAMP WHILE IT IS ONLY BASE COURSE.

IN STAGE III, A MINIMUM 12' LANE WIDTH SHALL BE DELINEATED WITH DRUMS ALONG BOTH EDGES AT ALL TIMES UNTIL PAVED AND PAVEMENT MARKINGS ARE PLACED.

TRAFFIC CONTROL, RAMP CONSTRUCTION STAGING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

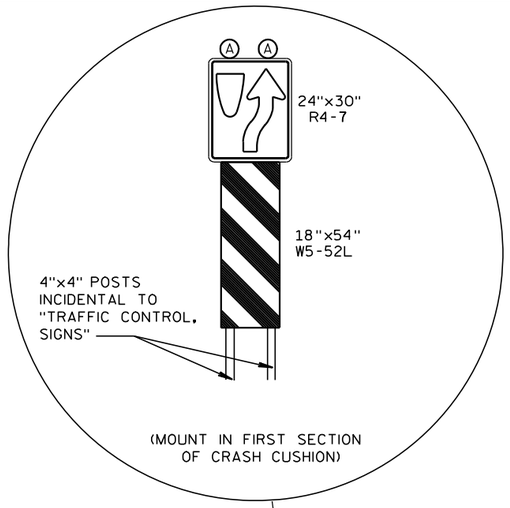
7-14-94
DATE

/S/ Chester J. [illegible]
DIRECTOR, OFFICE [illegible]

FHWA

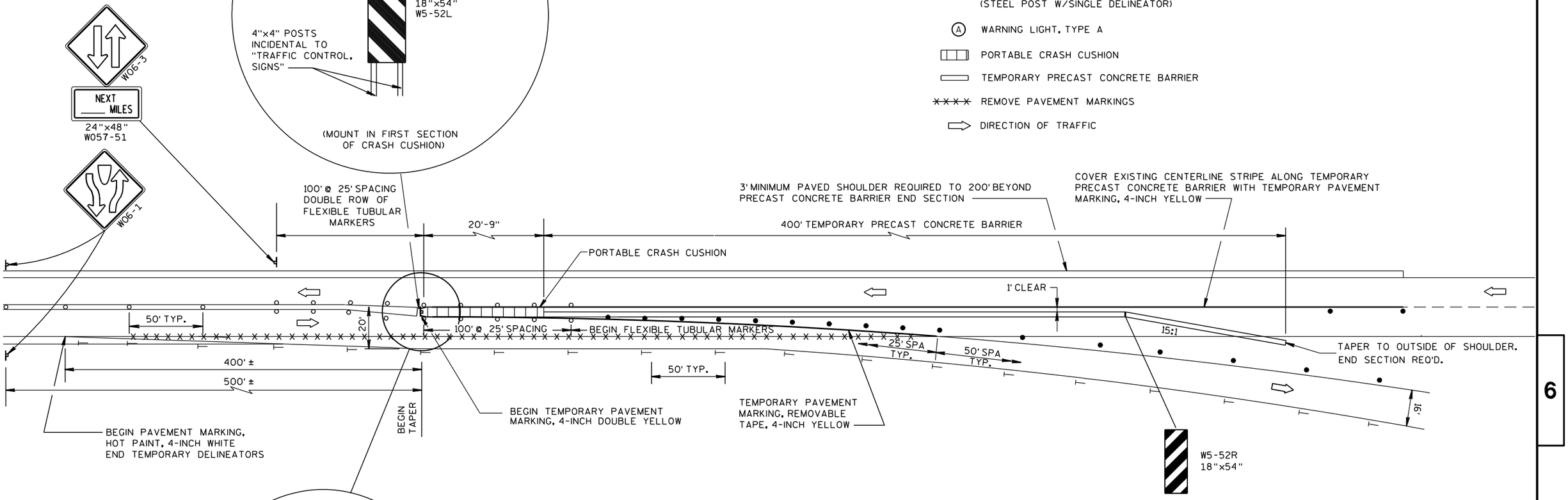
6

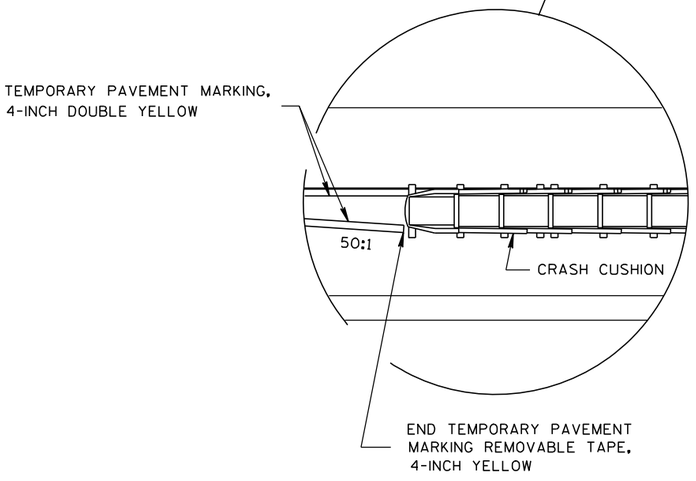
S.D.D. 15 D 4-1



LEGEND

- POST WITH ATTACHED SIGN
- DRUM
- FLEXIBLE TUBULAR MARKER POST AND BASE
- TEMPORARY DELINEATOR (STEEL POST W/SINGLE DELINEATOR)
- (A) WARNING LIGHT, TYPE A
- PORTABLE CRASH CUSHION
- TEMPORARY PRECAST CONCRETE BARRIER
- REMOVE PAVEMENT MARKINGS
- DIRECTION OF TRAFFIC





GENERAL NOTES :

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 THE TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER. NO WARNING LIGHTS SHALL BE WORKING ON "COVERED" OR "DOWNED" SIGNS.

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

THE SPACING BETWEEN SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND TO PROVIDE A MINIMUM OF 200 FEET, (500 FEET DESIRABLE) DISTANCE TO EXISTING SIGNS.

TEMPORARY PAVEMENT MARKING REMOVABLE TAPE SHALL BE USED WHEN CROSSING PERMANENT ROADWAY SURFACES THAT WILL REMAIN AFTER USE OF CROSSOVER.

TRAFFIC CONTROL, SINGLE LANE CROSSOVER ENTRANCE WITH BARRIER

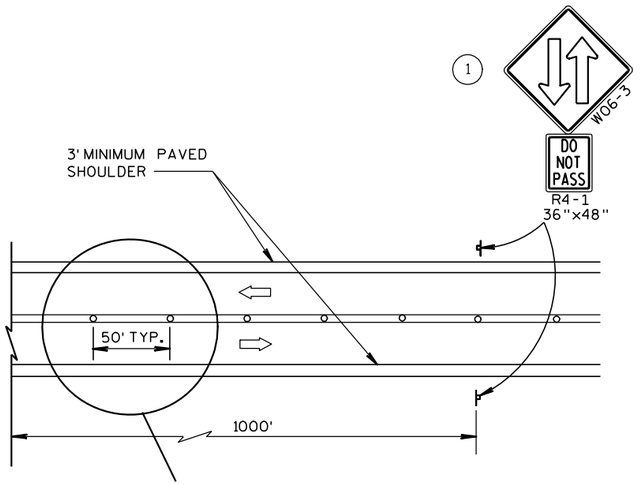
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

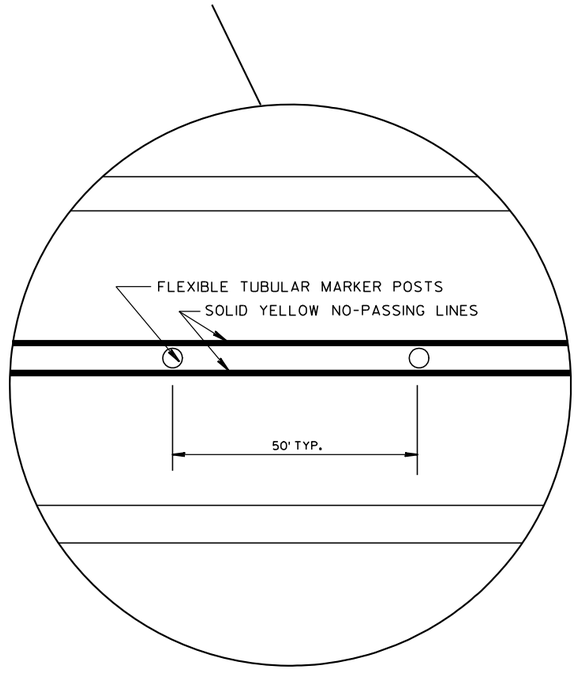
8-7-95
DATE

/S/ Chester J. [illegible]
DIRECTOR, OFFICE OF [illegible]

FHWA



TWO LANE, TWO WAY OPERATION



LEGEND

- POST WITH ATTACHED SIGN
- FLEXIBLE TUBULAR MARKER AND BASE
- DIRECTION OF TRAFFIC

GENERAL NOTES :

ALL SIGNS ARE 48"x48" UNLESS OTHERS NOTED.

"WO" IS THE SAME AS "W" EXCEPT THE BACKGROUND IS ORANGE.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH THE TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER. NO WARNING LIGHTS SHALL BE WORKING ON "COVERED" OR "DOWNED" SIGNS.

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

THE SPACING BETWEEN SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND TO PROVIDE A MINIMUM OF 200 FEET, (500 FEET DESIRABLE) DISTANCE TO EXISTING SIGNS.

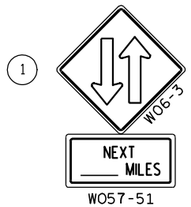
A SINGLE ROW OF FLEXIBLE TUBULAR MARKERS ON CENTERLINE EXTEND FOR THE ENTIRE LENGTH OF TWO-WAY TRAFFIC @ 50' SPACING.

COVER EXISTING CENTERLINE STRIPE WITH TEMPORARY PAVEMENT MARKING, 4-INCH DOUBLE YELLOW.



R2-1
48"x60"
(BLACK AND WHITE)

IF THE REGULATORY SPEED HAS BEEN REDUCED, A SPEED LIMIT SIGN SHALL BE LOCATED 1500 FEET BEYOND THE END OF THE ACCELERATION LANE OF EACH ENTRANCE RAMP. THERE SHOULD **BE A SPEED LIMIT SIGN INCORPORATED A MINIMUM OF EVERY** 2 OR 3 MILES.



W057-51
48"x24"



R4-1
36"x48"

THE W06-3 WITH THE W057-51 SHALL BE LOCATED 200' BEYOND THE END OF THE ACCELERATION LANE OF EACH ENTRANCE RAMP AND/OR 500' BEYOND ANY SIDEROAD. THE W06-3 WITH THE R4-1 SHALL BE LOCATED 1000' BEYOND THE W06-3 AND THE W057-51 AND THE SIGNS SHALL BE ALTERNATED WITH ONE MILE INTERVALS BETWEEN W06-3 SIGNS.

TRAFFIC CONTROL, TWO LANE TWO WAY OPERATION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
12-4-95
DATE

/S/ Chester J. [illegible]
DIRECTOR, OFFICE OF 636

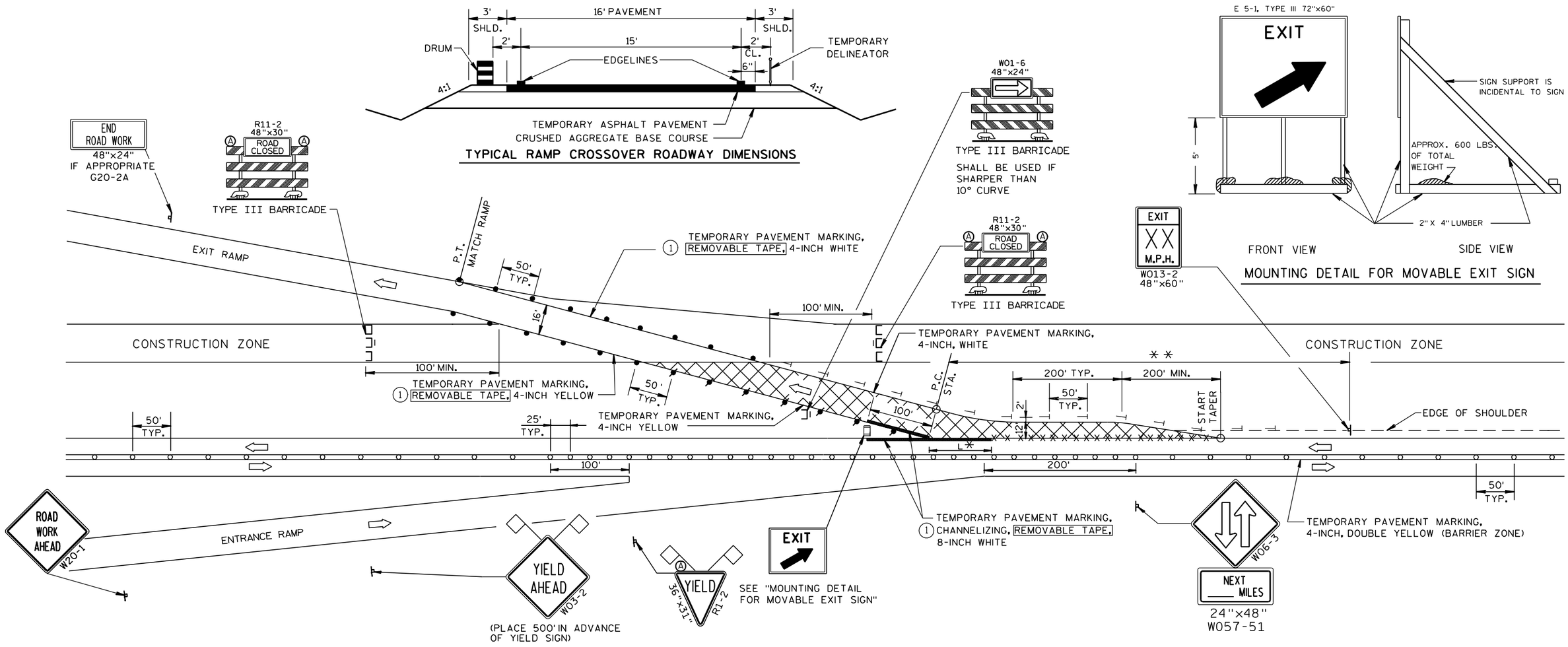
FHWA

6

S.D.D. 15 D 6-2

6

S.D.D. 15 D 6-2



LEGEND

- 8' TYPE III BARRICADE WITHOUT/WITH ATTACHED SIGN
- POST WITH ATTACHED SIGN
- DRUM WITH WARNING LIGHT (TYPE C)
- DRUM
- TEMPORARY DELINEATOR - WHITE (STEEL POST W/SINGLE DELINEATOR)
- WARNING LIGHT, TYPE A
- TEMPORARY CROSSOVER ASPHALTIC PAVEMENT
- REMOVING PAVEMENT MARKINGS
- FLEXIBLE TUBULAR MARKER POST AND BASE
- FLAGS, 12" X 12", RED
- DIRECTION OF TRAFFIC

GENERAL NOTES :

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

THE SPACING BETWEEN SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND TO PROVIDE A MINIMUM OF 200 FEET, (500 FEET DESIRABLE) DISTANCE TO EXISTING SIGNS.

(1) TEMPORARY PAVEMENT MARKING REMOVABLE TAPE SHALL BE USED WHEN CROSSING PERMANENT ROADWAY SURFACES THAT WILL REMAIN AFTER USE OF CROSSOVER. OTHERWISE TEMPORARY PAVEMENT MARKING MAY BE USED.

TRAFFIC CONTROL FOR RAMP CROSSOVERS ARE TYPICAL FOR ALL CONSTRUCTION PHASES.

* LENGTH L SHALL BE REQUIRED WHEN TANGENT LENGTH OF EXIT RAMP PARALLEL TO MAINLINE EXCEEDS 300'. LENGTH SHALL BE EQUAL TO THE EXIT RAMP TANGENT LENGTH MINUS 300' OR AS APPROVED BY THE ENGINEER AND SHALL CHANGE TO ACCOMODATE PAVING GAPS.

** ADJUST EXIT RAMP SPEED AS NEEDED IN THE FIELD. DISTANCE TO SIGN LOCATION SHALL ALSO BE PLACED ACCORDING TO TABLE.

WORK ALONG EDGES OF RAMP SHALL MAINTAIN A 10 FOOT AREA CLEAR OF PHYSICAL OBSTRUCTIONS SUCH AS DROP OFFS FROM PAVEMENT REMOVAL OR BROKEN CONCRETE CHUNKS DURING PAVEMENT REMOVAL. THESE AREAS SHALL BE LEVELED WITH TEMPORARY FILL TO PROTECT THE TRAVELING PUBLIC WHEN THE CONTRACTOR IS NOT WORKING ADJACENT TO THE CROSSOVER.

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 THE TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER. NO WARNING LIGHTS SHALL BE WORKING ON "COVERED" OR "DOWNED" SIGNS.

** TABLE FOR ADVANCE WARNING SIGN PLACEMENT DISTANCE

POSTED SPEED MPH	DESIRED SPEED AT CONDITION (MPH)				
	10	20	30	40	50
45	350	300	250		
50	425	400	325	225	
55	500	475	400	300	
60	575	550	500	400	300
65	650	625	575	500	375

TRAFFIC CONTROL, TEMPORARY EXIT RAMP CROSSOVER

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

12-4-95
DATE

/S/ Chester J. [illegible]
DIRECTOR, OFFICE OF 637

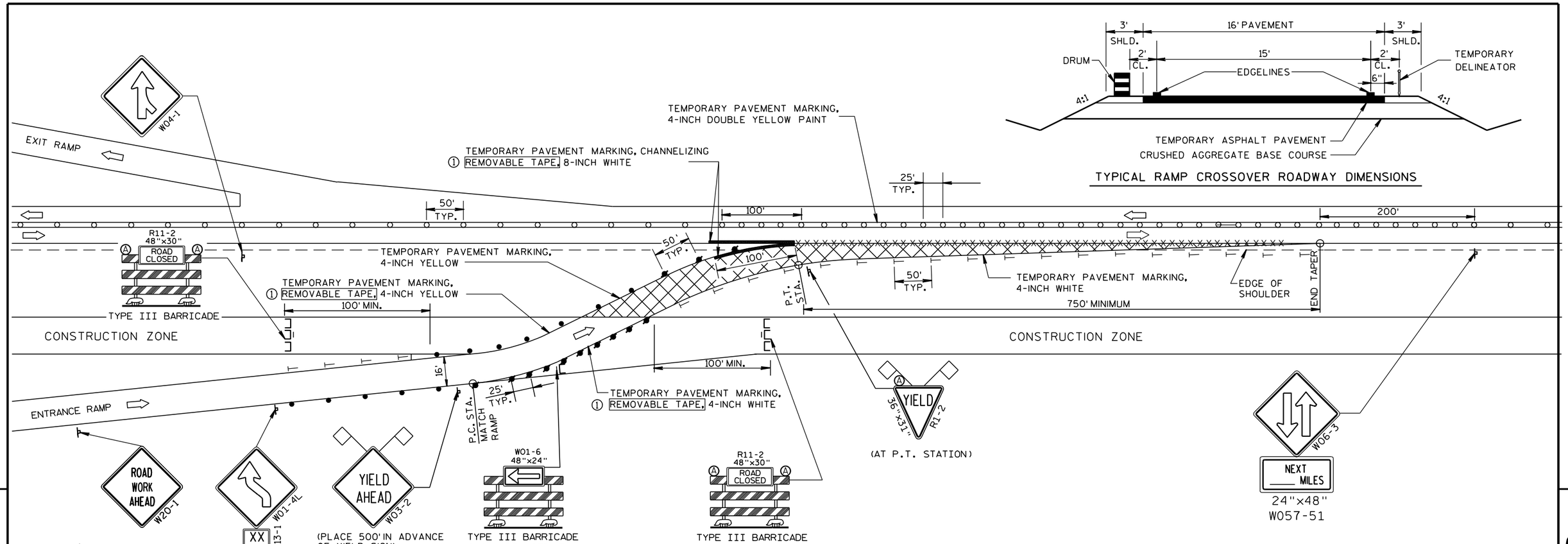
FHWA

6

S.D.D. 15 D 7-3

6

S.D.D. 15 D 7-3



TYPICAL RAMP CROSSOVER ROADWAY DIMENSIONS

LEGEND

- ⊏/I⊏ 8' TYPE III BARRICADE WITHOUT/WITH ATTACHED SIGN
- POST WITH ATTACHED SIGN
- DRUM WITH WARNING LIGHT (TYPE C)
- DRUM
- TEMPORARY DELINEATOR (STEEL POST W/SINGLE DELINEATOR) COLOR OF DELINEATOR SHALL MATCH THE COLOR OF THE RESPECTIVE EDGELINE MARKING
- Ⓐ WARNING LIGHT, TYPE A (SAME COLOR AS SIGN IT SUPPLEMENTS)
- TEMPORARY CROSSOVER ASPHALTIC PAVEMENT
- ~~XXXX~~ REMOVING PAVEMENT MARKINGS
- FLEXIBLE TUBULAR MARKER POST AND BASE
- FLAGS, 12" X 12", RED
- DIRECTION OF TRAFFIC

GENERAL NOTES :

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

THE SPACING BETWEEN SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND TO PROVIDE A MINIMUM OF 200 FEET, (500 FEET DESIRABLE) DISTANCE TO EXISTING SIGNS.

① TEMPORARY PAVEMENT MARKING REMOVABLE, TAPE SHALL BE USED WHEN CROSSING PERMANENT ROADWAY SURFACES THAT WILL REMAIN AFTER USE OF CROSSOVER.

TRAFFIC CONTROL FOR RAMP CROSSOVERS ARE TYPICAL FOR ALL CONSTRUCTION PHASES.

WORK ALONG EDGES OF RAMP SHALL MAINTAIN A 10 FOOT AREA CLEAR OF PHYSICAL OBSTRUCTIONS SUCH AS DROP OFFS FROM PAVEMENT REMOVAL OR BROKEN CONCRETE CHUNKS DURING PAVEMENT REMOVAL. THESE AREAS SHALL BE LEVELED WITH TEMPORARY FILL TO PROTECT THE TRAVELING PUBLIC WHEN THE CONTRACTOR IS NOT WORKING ADJACENT TO THE CROSSOVER.

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 THE TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER. NO WARNING LIGHTS SHALL BE WORKING ON "COVERED" OR "DOWNED" SIGNS.

TRAFFIC CONTROL, TEMPORARY ENTRANCE RAMP CROSSOVER

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

12-4-95 DATE

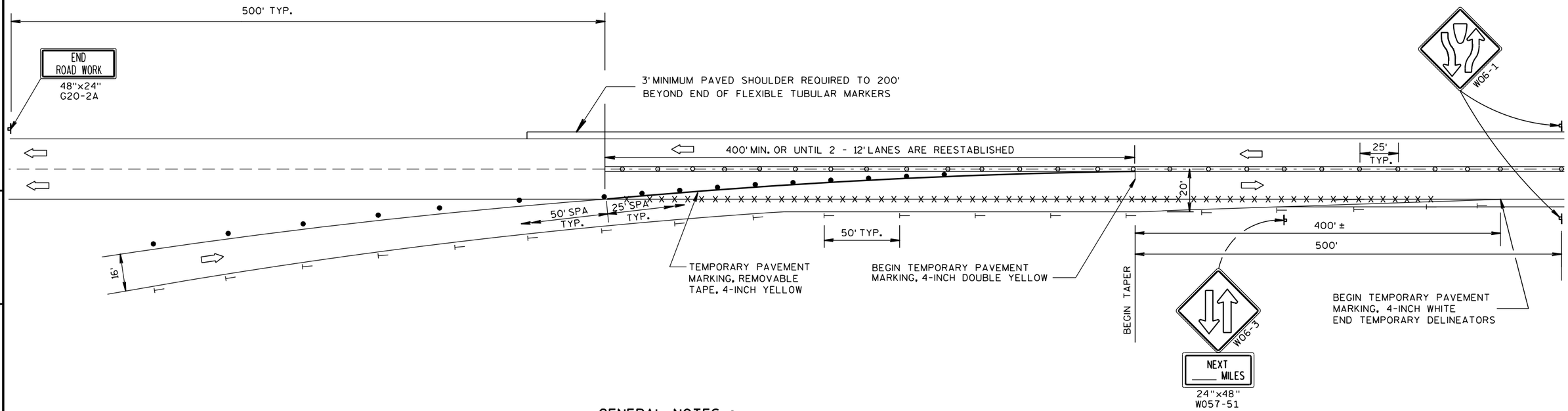
/S/ Chester J. [illegible] DIRECTOR, OFFICE OF [illegible]

FHWA

6
S.D.D. 15 D 8-3

LEGEND

- POST WITH ATTACHED SIGN
- DRUM
- FLEXIBLE TUBULAR MARKER POST AND BASE
- TEMPORARY DELINEATOR (STEEL POST W/SINGLE DELINEATOR) COLOR OF DELINEATOR SHALL MATCH THE COLOR OF THE RESPECTIVE EDGELINE MARKING
- REMOVE PAVEMENT MARKINGS
- DIRECTION OF TRAFFIC



GENERAL NOTES :

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 THE TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER. NO WARNING LIGHTS SHALL BE WORKING ON "COVERED" OR "DOWNED" SIGNS.

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

THE SPACING BETWEEN SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND TO PROVIDE A MINIMUM OF 200 FEET, (500 FEET DESIRABLE) DISTANCE TO EXISTING SIGNS.

TEMPORARY PAVEMENT MARKING REMOVABLE TAPE SHALL BE USED WHEN CROSSING PERMANENT ROADWAY SURFACES THAT WILL REMAIN AFTER USE OF CROSSOVER.

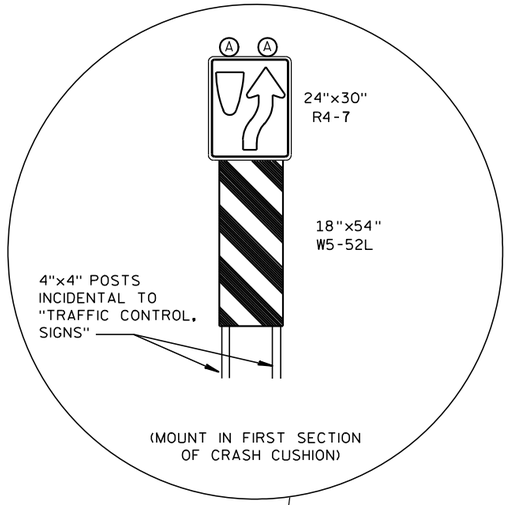
TRAFFIC CONTROL, SINGLE LANE CROSSOVER EXIT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

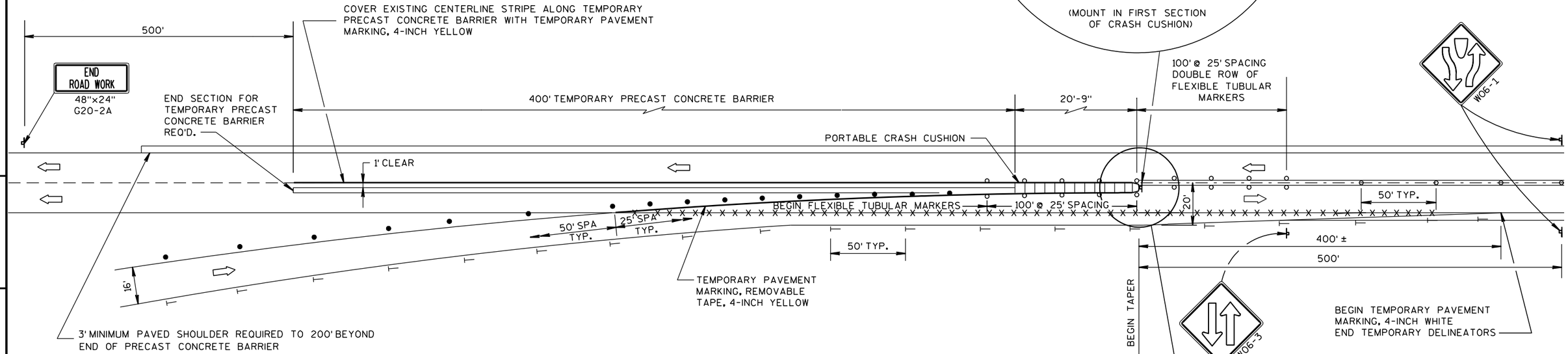
APPROVED
8-7-95 DATE
/S/ Chester J. [illegible]
DIRECTOR, OFFICE C639 IC
FHWA

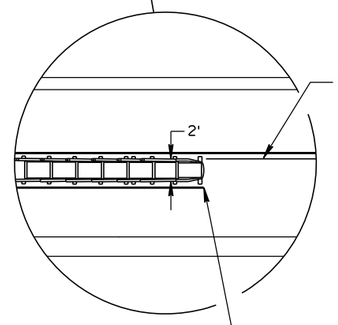
LEGEND

- POST WITH ATTACHED SIGN
- DRUM
- FLEXIBLE TUBULAR MARKER POST AND BASE
- TEMPORARY DELINEATOR (STEEL POST W/SINGLE DELINEATOR) COLOR OF DELINEATOR SHALL MATCH THE COLOR OF THE RESPECTIVE EDGELINE MARKING
- (A) WARNING LIGHT, TYPE A
- PORTABLE CRASH CUSHION
- TEMPORARY PRECAST CONCRETE BARRIER
- ××××× REMOVE PAVEMENT MARKINGS
- DIRECTION OF TRAFFIC



(MOUNT IN FIRST SECTION OF CRASH CUSHION)





GENERAL NOTES :

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 THE TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER. NO WARNING LIGHTS SHALL BE WORKING ON "COVERED" OR "DOWNED" SIGNS.

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

THE SPACING BETWEEN SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND TO PROVIDE A MINIMUM OF 200 FEET, (500 FEET DESIRABLE) DISTANCE TO EXISTING SIGNS.

TEMPORARY PAVEMENT MARKING, REMOVABLE TAPE SHALL BE USED WHEN CROSSING PERMANENT ROADWAY SURFACES THAT WILL REMAIN AFTER USE OF CROSSOVER.

TRAFFIC CONTROL, SINGLE LANE CROSSOVER EXIT WITH BARRIER

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

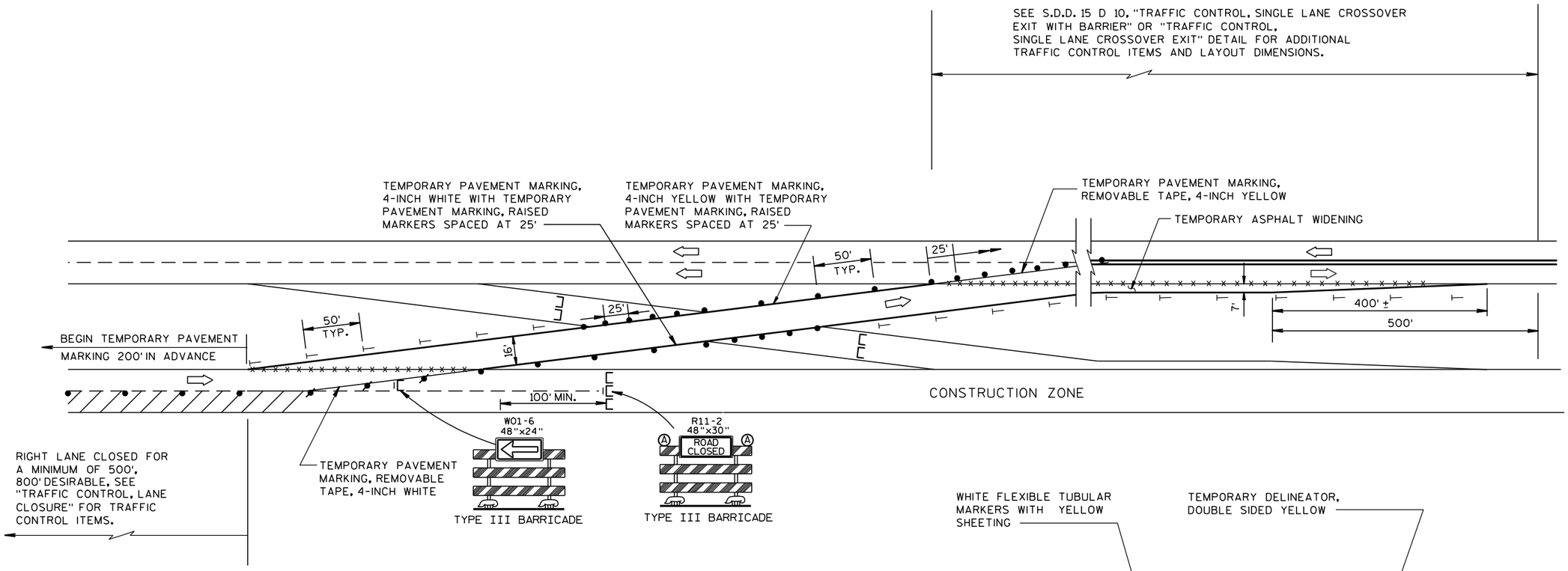
APPROVED
8-7-95 DATE
/S/ Chester J. [illegible]
DIRECTOR, OFFICE OF 640
FHWA

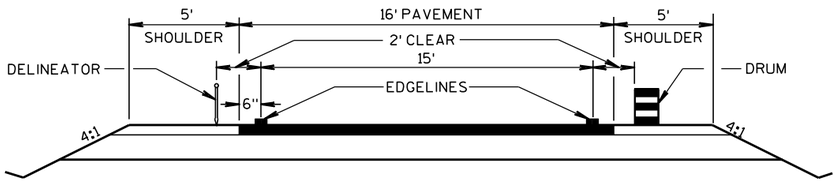
6

S.D.D. 15 D 10-2

6

S.D.D. 15 D 10-2





TYPICAL CROSSOVER ROADWAY DIMENSIONS

LEGEND

- 8' TYPE III BARRICADE WITHOUT/WITH ATTACHED SIGN
- DRUM WITH WARNING LIGHTS, TYPE C
- DRUM
- TEMPORARY DELINEATOR (STEEL POST W/SINGLE DELINEATOR) COLOR OF DELINEATOR SHALL MATCH THE COLOR OF THE RESPECTIVE EDGELINE PAINT
- (A) WARNING LIGHT, TYPE A
- REMOVING PAVEMENT MARKINGS
- TEMPORARY DELINEATOR (DOUBLE SIDED)
- FLEXIBLE TUBULAR MARKER AND BASE
- DIRECTION OF TRAFFIC

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 PROPOSED SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND TO PROVIDE A MINIMUM OF 200 FEET (500 FEET DESIRABLE) DISTANCE TO EXISTING SIGNS.

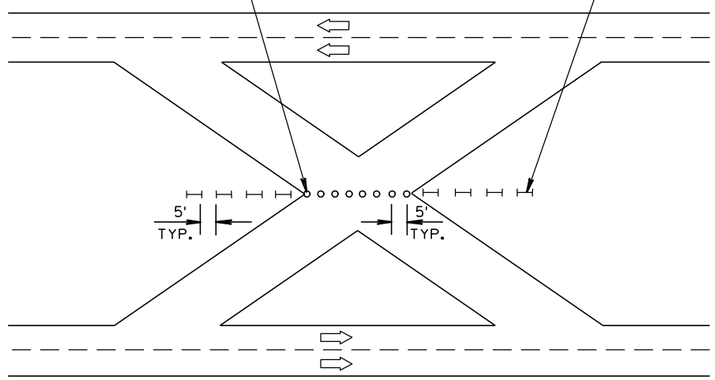
TEMPORARY PAVEMENT MARKING REMOVABLE TAPE SHALL BE USED WHEN CROSSING PERMANENT ROADWAY SURFACES THAT WILL REMAIN AFTER USE OF CROSSOVER AND TEMPORARY PAVEMENT MARKING WHERE USED.

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 THE TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER. NO WARNING LIGHTS SHALL BE WORKING ON "COVERED" OR "DOWNED" SIGNS.

REVERSE DEVICES WHEN OTHER LEG OF CROSSOVER IS IN USE.



PROTECTION OF CROSSOVER NOT IN USE WHEN CONSTRUCTION IS NOT TAKING PLACE

TRAFFIC CONTROL, SINGLE LANE CROSSOVER

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
10-22-96 DATE
/S/ Chester J. [illegible]
STATE TRAFFIC E

FHWA

6

S.D.D. 15 D 11-3

LEGEND

- POST WITH ATTACHED SIGN
- POST WITH ATTACHED SIGN IN DRUM
- DRUM WITH WARNING LIGHT (TYPE C)
- DRUM
- ARROW BOARD
- 8' TYPE III BARRICADE
- REMOVING PAVEMENT MARKING
- DIRECTION OF TRAFFIC

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.

(1) 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.

GENERAL NOTES CONTINUED:

REMOVE PAVEMENT MARKINGS IF LANE CLOSURE IS TO BE IN PLACE FOR LONGER THAN 7 CONTINUOUS DAYS AND NIGHTS.

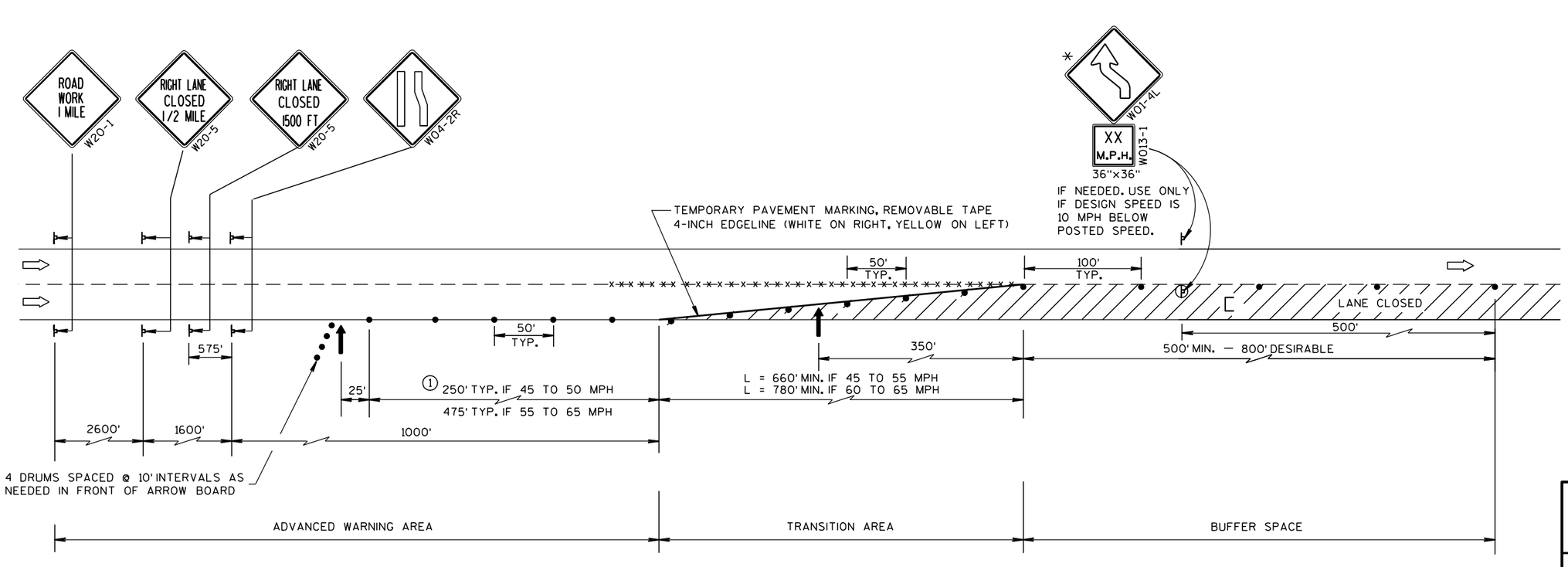
WARNING LIGHTS ARE NOT REQUIRED IF THE LANE CLOSURE IS A DAYTIME ONLY OPERATION.

IF THE HORIZONTAL ALIGNMENT IS SUCH THAT A CURVE MAY REQUIRE ADDITIONAL DELINEATION, THE DEVICE SPACING MAY BE DECREASED TO 50 FEET.

IF LANE CLOSURE IS MORE THAN 1 MILE, PLACE A TYPE III BARRICADE APPROXIMATELY EVERY 1/4 MILE ACROSS THE CLOSED LANE TO HELP ENFORCE THE DRUM LINE.

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, SPEEDS GREATER THAN 40 M.P.H.

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

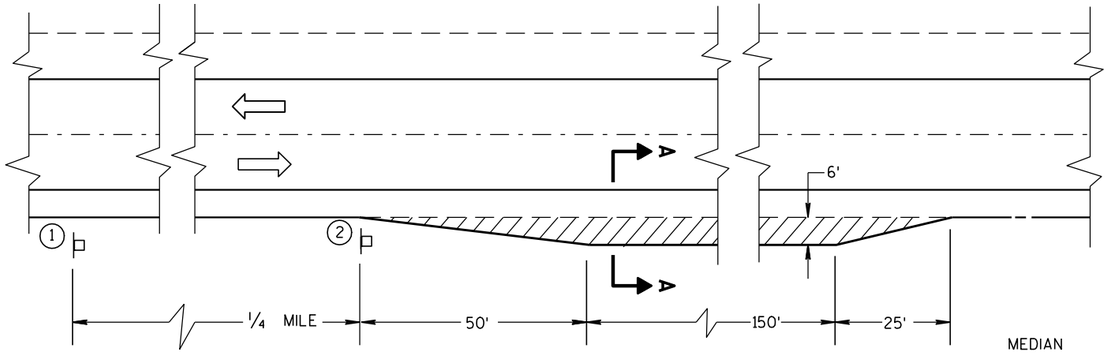
APPROVED
8-7-95 DATE
/S/ Chester J. [illegible]
DIRECTOR, OFFICE O 642 C
FHWA

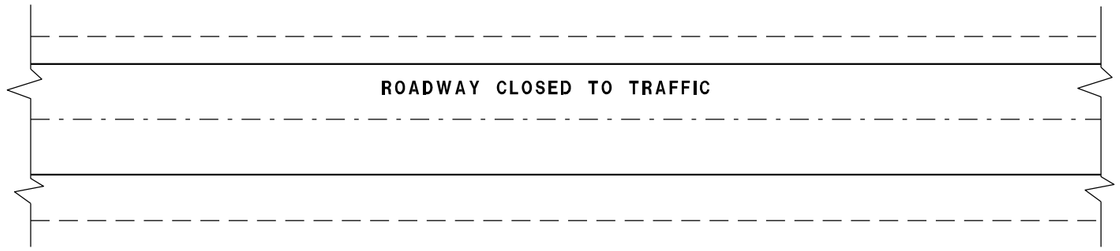
6

S.D.D. 15 D 12-2

6

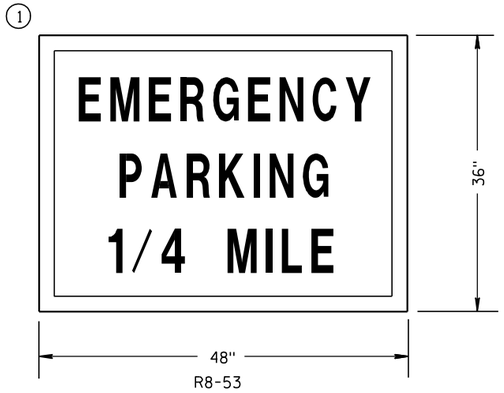
S.D.D. 15 D 12-2





PLAN VIEW

TEMPORARY EMERGENCY PULLOUTS FOR DIVIDED HIGHWAYS



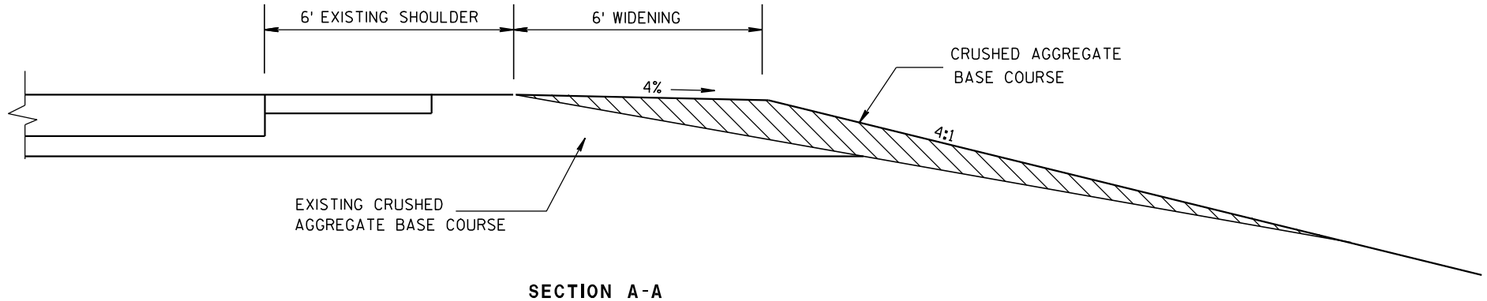
SIGNS TO BE BLACK LETTERS ON WHITE REFLECTIVE BACKGROUND

SIGNS FOR TEMPORARY EMERGENCY PULLOUTS

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS, APPLICABLE SPECIAL PROVISIONS AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.

TEMPORARY EMERGENCY PULLOUTS AND SIGNS SHALL BE REMOVED AND THE ROADWAY RESTORED TO ITS ORIGINAL CROSS SECTION AND CONDITION PRIOR TO REOPENING THE ROADWAY TO ONE WAY TRAFFIC.



SECTION A-A

6

S.D.D. 15 D 13-1

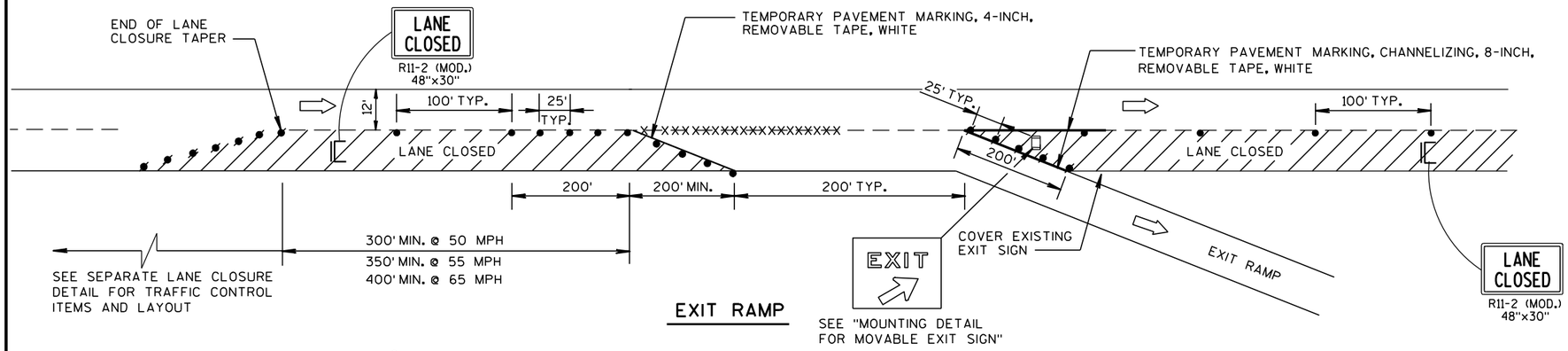
TEMPORARY EMERGENCY PULLOUTS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

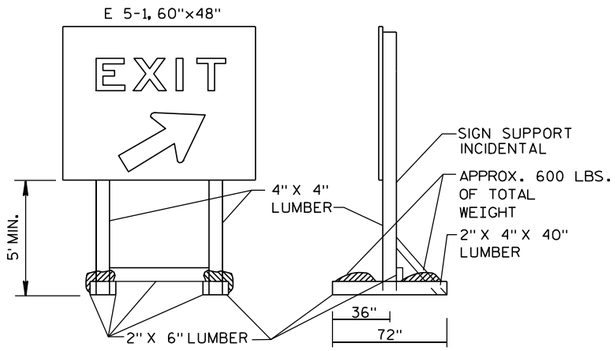
APPROVED
10-22-96 DATE
/S/ Chester J. [illegible] STATE TRAFFIC E
FHWA

6

S.D.D. 15 D 13-1

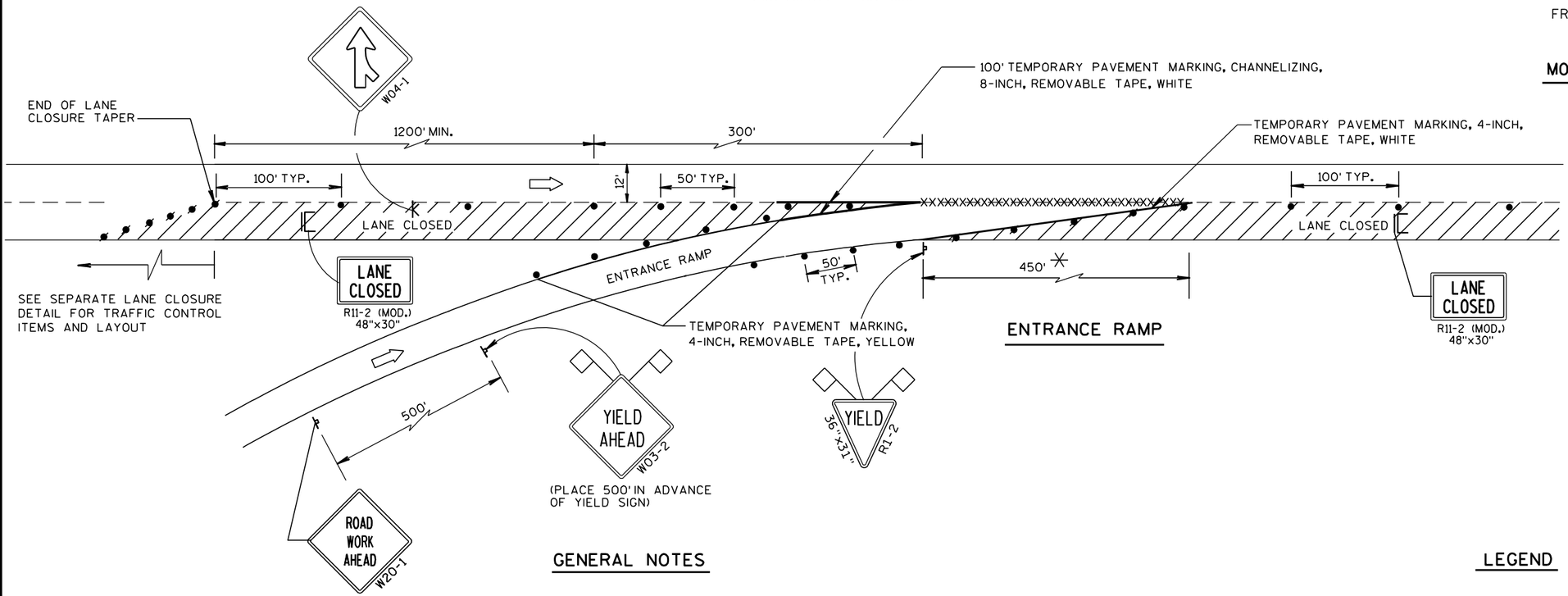


EXIT RAMP



NOTE: ALL LUMBER DIMENSIONS ARE NOMINAL

MOUNTING DETAIL FOR MOVABLE EXIT SIGN



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 R11-2 (MOD.) "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

- POST MOUNTED SIGN
- SIGN ON PORTABLE SUPPORT
- TRAFFIC CONTROL, DRUM
- TRAFFIC CONTROL, DRUM WITH WARNING LIGHT, TYPE C (STEADY-BURN)
- REMOVING PAVEMENT MARKING (SEE GENERAL NOTES)
- TYPE III BARRICADE (8' EQUIVALENT) WITH SIGN
- FLAGS, 16"x16" MIN., ORANGE
- DIRECTION OF TRAFFIC FLOW

TRAFFIC CONTROL, EXIT AND ENTRANCE RAMP WITHIN LANE CLOSURE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
5/24/2000 DATE
/S/ Chester J. [illegible]
CHIEF SIGNS AND MARKING ENGINEER
FHWA

6
S.D.D. 15 D 15-1

SYMBOLS

IC/C	TYPE III BARRICADE (8' EQUIVALENT) WITH/WITHOUT SIGN
•	DRUM
⊢	POST MOUNTED SIGN
(A)	WARNING LIGHT, TYPE A (FLASHING)
⇨	DIRECTION OF TRAFFIC

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.

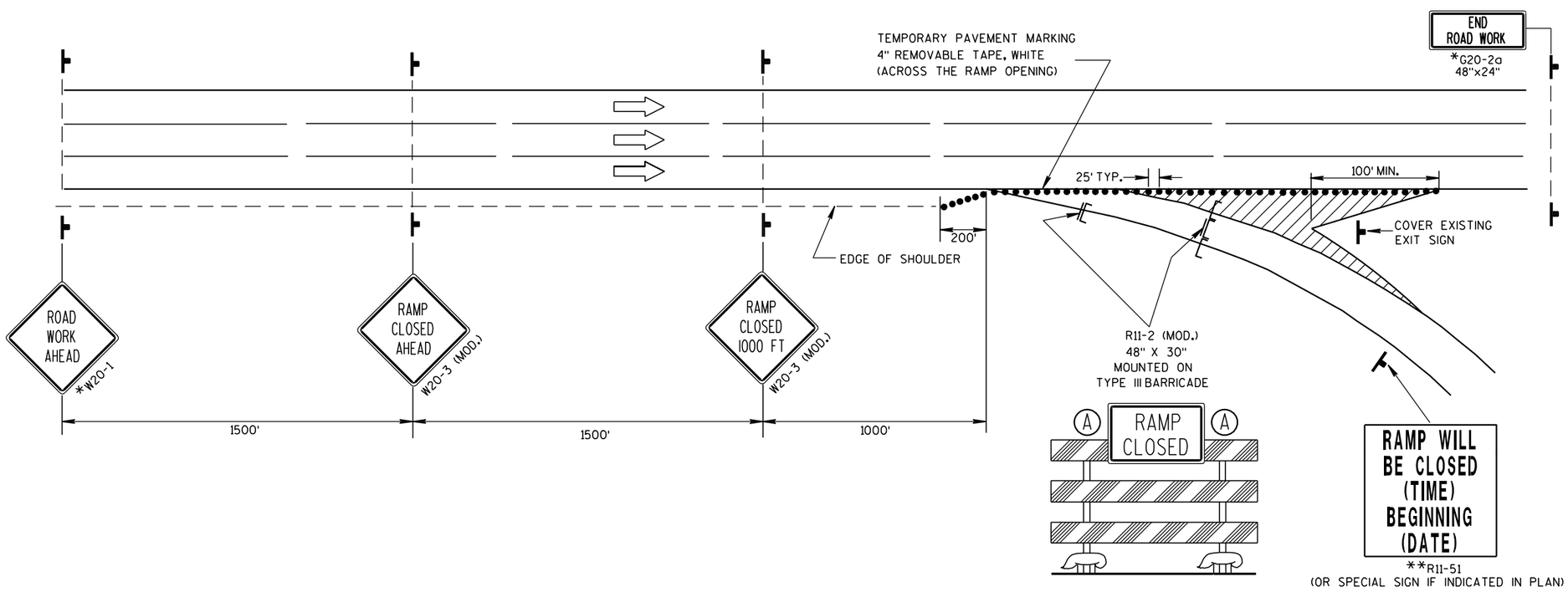
PLACE TEMPORARY PAVEMENT MARKING, REMOVABLE TAPE IF RAMP CLOSURE IS TO BE IN PLACE FOR 7 OR MORE CONTINUOUS DAYS AND NIGHTS.

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.

**USE THE "RAMP WILL BE CLOSED" SIGN IF INDICATED IN MISCELLANEOUS QUANTITIES. PLACE 10 CALENDAR DAYS PRIOR TO CLOSURE OR AS DIRECTED BY THE ENGINEER. SEE WISCONSIN STANDARD SIGN PLATES FOR SIGN LAYOUT.



TRAFFIC CONTROL, EXIT RAMP CLOSURE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

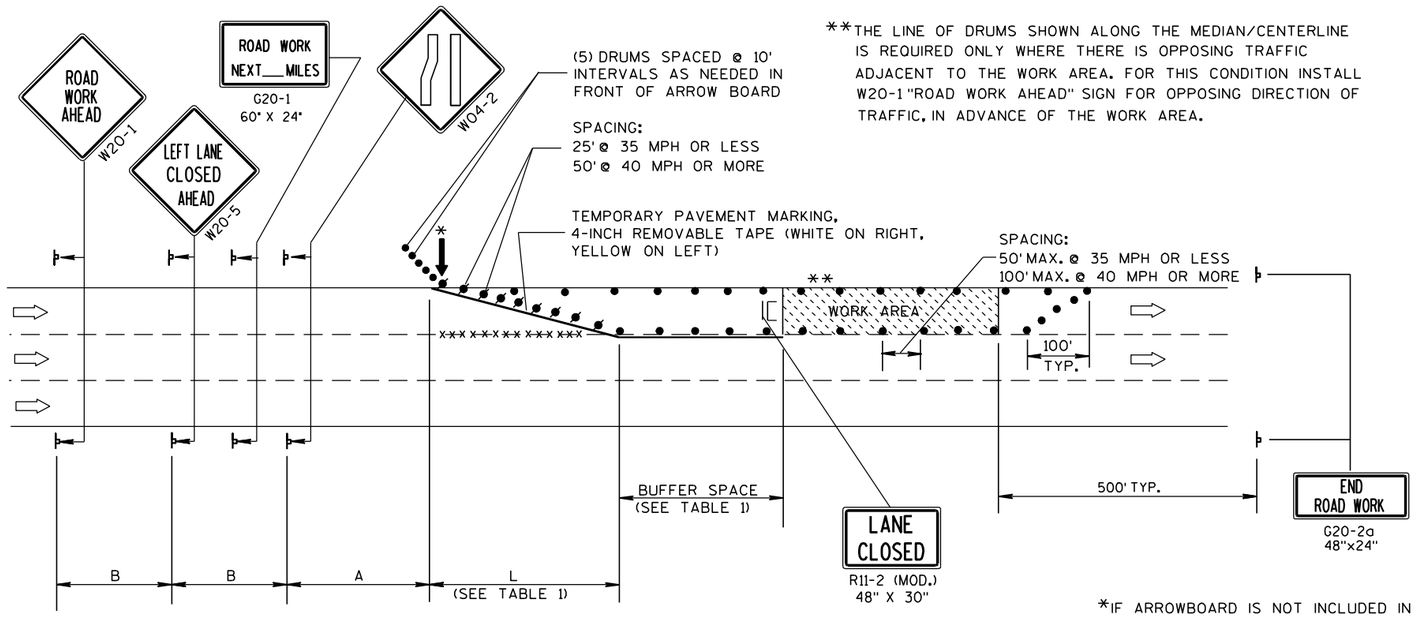
APPROVED

5/23/2000
DATE

/S/ Chester J. [illegible]
CHIEF SIGNS AND MAR 645 INEER

FHWA

6
S.D.D. 15 D 16-1



**THE LINE OF DRUMS SHOWN ALONG THE MEDIAN/CENTERLINE IS REQUIRED ONLY WHERE THERE IS OPPOSING TRAFFIC ADJACENT TO THE WORK AREA. FOR THIS CONDITION INSTALL W20-1 "ROAD WORK AHEAD" SIGN FOR OPPOSING DIRECTION OF TRAFFIC, IN ADVANCE OF THE WORK AREA.

B=400' AT 25-30 MPH
700' AT 35-40 MPH
1000' AT 45-55 MPH

A=200' AT 25-30 MPH
350' AT 35-40 MPH
500' AT 45-55 MPH

(PLACE BARRICADE AND SIGN APPROX. EVERY 1000' ACROSS THE CLOSED LANE)

*IF ARROWBOARD IS NOT INCLUDED IN MISCELLANEOUS QUANTITIES, SUBSTITUTE A TYPE III BARRICADE WITH W01-6 SIGN IN THE LANE CLOSURE TAPER.

W01-6
48"x24"

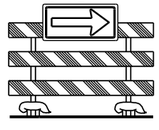


TABLE 1
TAPER AND BUFFER SPACE FOR 12' LANE WIDTH

S	L	BUFFER SPACE
25	125'	55'
30	180'	85'
35	245'	120'
40	320'	170'
45	540'	220'
50	600'	280'
55	660'	335'

FOR LANE WIDTH OTHER THAN 12':

L = WS AT 45 MPH OR GREATER

$L = \frac{WS^2}{60}$ AT 40 MPH OR LESS

L = TAPER LENGTH IN FEET

S = NON-CONSTRUCTION SPEED LIMIT (MPH)

W = WIDTH OF LANE CLOSURE

LEGEND

- DRUM WITH/WITHOUT WARNING LIGHT, TYPE C (STEADY-BURN)
- POST MOUNTED SIGN
- ARROW BOARD
- TYPE III BARRICADE (8' EQUIVALENT) AND WARNING LIGHTS, TYPE A (FLASHING) WITH/WITHOUT SIGN
- DIRECTION OF TRAFFIC FLOW
- xxxx REMOVING PAVEMENT MARKING (SEE GENERAL NOTES)

GENERAL NOTES

THIS LANE CLOSURE DETAIL IS TYPICAL FOR CLOSING THE LEFT LANE. FOR A RIGHT LANE CLOSURE, REVERSE THE TRAFFIC CONTROL.

THIS DETAIL MAY BE USED FOR ROADWAYS WITH EITHER TWO OR THREE LANES IN EACH DIRECTION.

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 DESIRABLE MINIMUM OF 200 FEET CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

ALL SIGNS ARE 48"x48" UNLESS OTHERWISE NOTED. IF NECESSARY DUE TO SPACE CONSTRAINTS IN URBAN AREAS, 36" X 36" SIGNS MAY BE USED IF APPROVED BY DISTRICT TRAFFIC UNIT.

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

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.

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.

ON UNDIVIDED ROADWAYS, OMIT THE SIGNS SHOWN ON LEFT SIDE OF ROAD.

W20-1, G20-1 AND G20-2A SIGNS ARE NOT REQUIRED IF THE LANE CLOSURE IS WITHIN A LARGER WORK ZONE WHERE THESE SIGNS ARE ALREADY PRESENT.

OMIT G20-1 SIGNS IF LENGTH OF WORK AREA IS 2 MILES OR LESS.

CONSIDER GEOMETRICS WHEN LOCATING SIGNS AND ARROWBOARDS SO THE APPROACHING DRIVER HAS A CLEAR VIEW OF THE ARROWBOARDS AND LANE CLOSURE DRUMS.

PLACE THE ARROWBOARD AS CLOSE AS POSSIBLE TO THE BEGINNING OF THE LANE CLOSURE TAPER, PREFERABLY ON THE SHOULDER OR TERRACE.

CHANNELIZING DEVICES PLACED ADJACENT TO WORK AREA SHALL BE PULLED BACK FROM THE TRAVEL LANE WHEN WORK IS NOT IN PROGRESS.

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.

WARNING LIGHTS ARE NOT REQUIRED IF THE LANE CLOSURE IS A DAYTIME ONLY OPERATION.

TRAFFIC CONTROL, SINGLE LANE CLOSURE, NON-FREEWAY/EXPRESSWAY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
5/23/00 DATE
/S/ Chester J. [illegible]
CHIEF SIGNS AND MARK[illegible] INEER
FHWA

6

S.D.D. 15 D 20-1

SYMBOLS

- TRAFFIC CONTROL DRUM
- POST MOUNTED SIGN
- DIRECTION OF TRAFFIC FLOW
- ARROW BOARD IN CAUTION MODE

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.

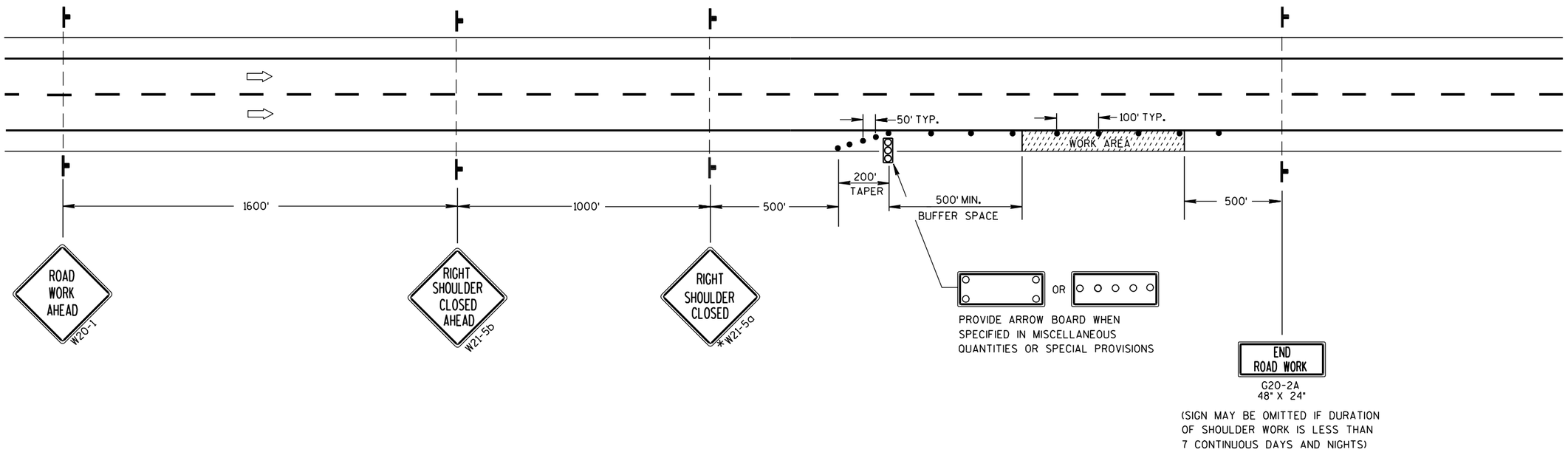
SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

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

5/23/00
DATE

/S/ Chester J Sasse
CHIEF SIGNS AND MARKINGS ENGINEER

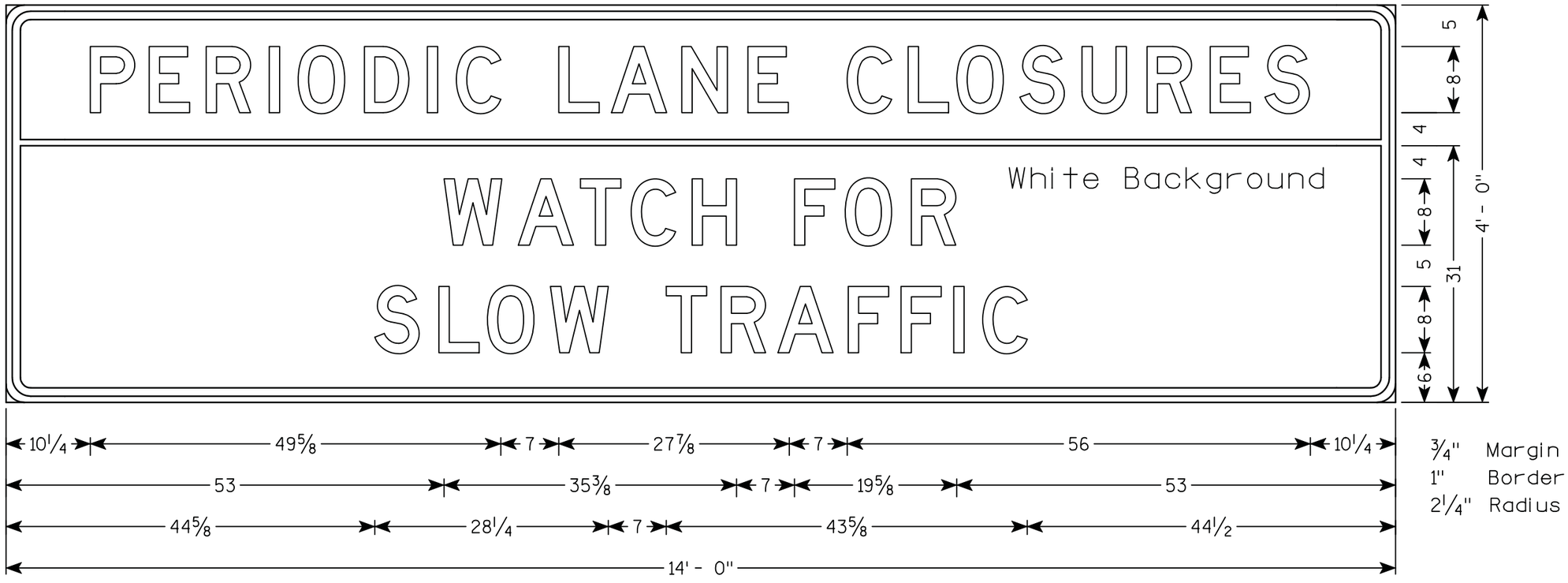
FHWA

6

S.D.D. 15 D 27-1

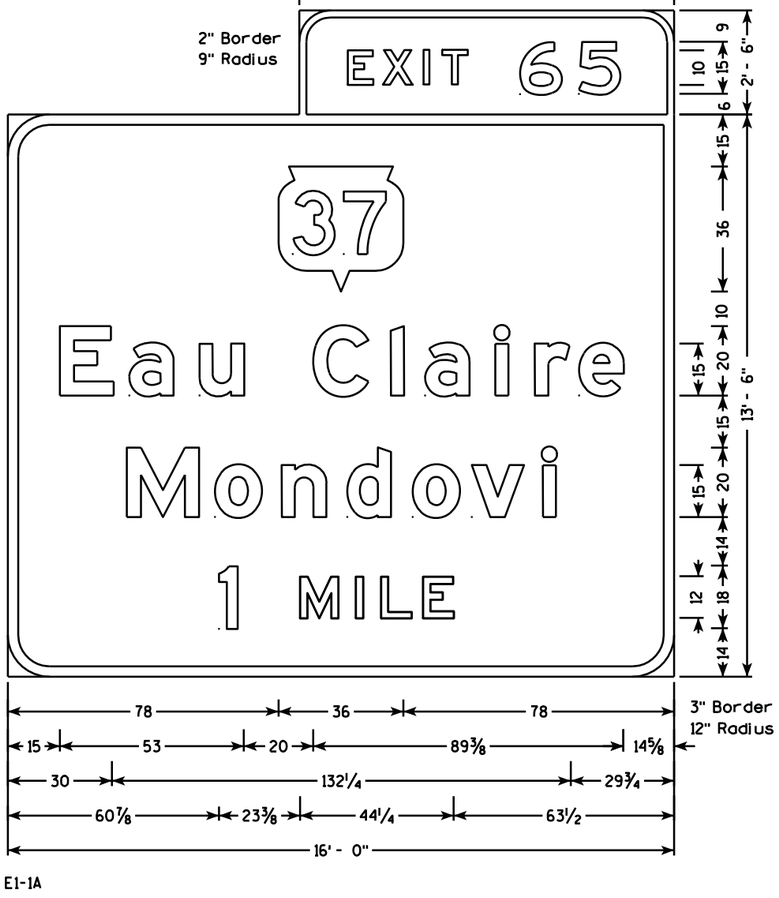
NOTES

1. All Signs Type II - Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange except as noted
   Message - Black
3. Message Series - D

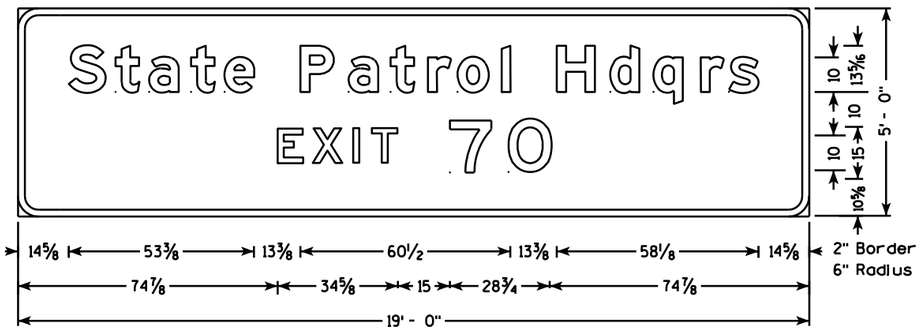


PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	TEMPORARY SIGNING	SHEET 648	E

E1 - 5

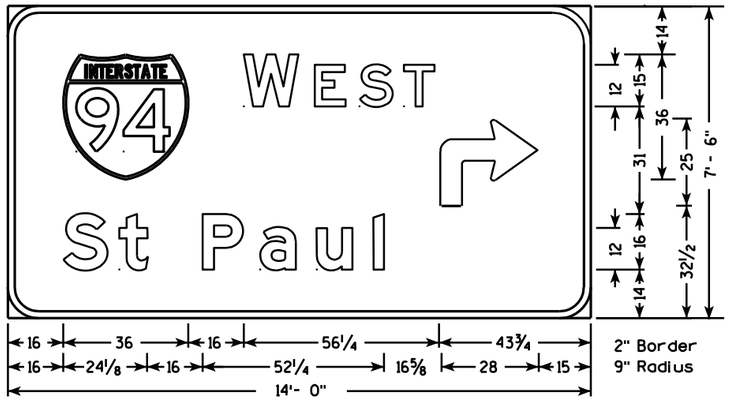


E1-1A

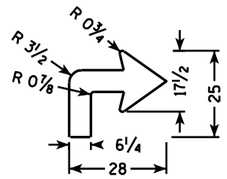


NOTES

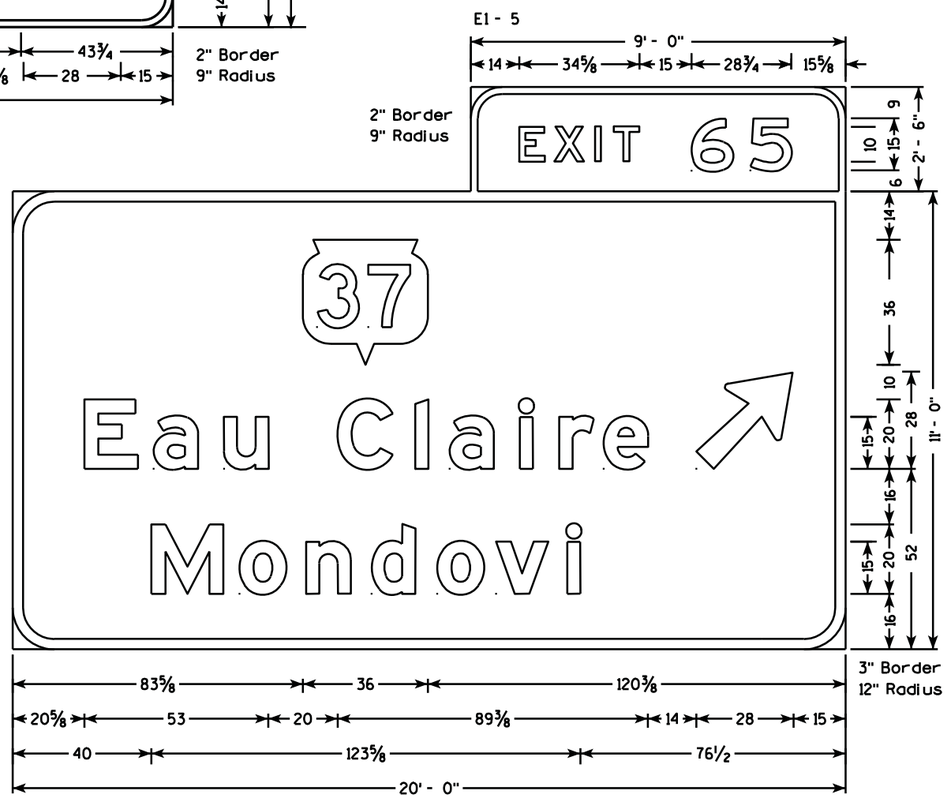
1. All Signs are Type I - Type SH Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Green
   Message - White
3. Message Series - E Modified except all cap Words are Series E



E6-1



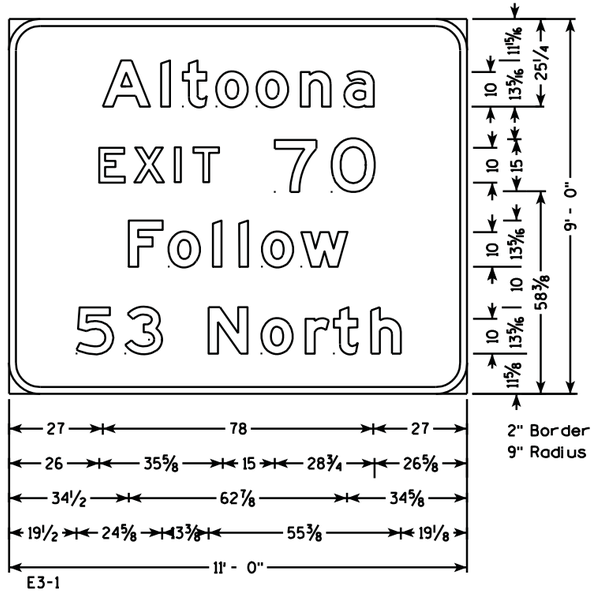
E1 - 5

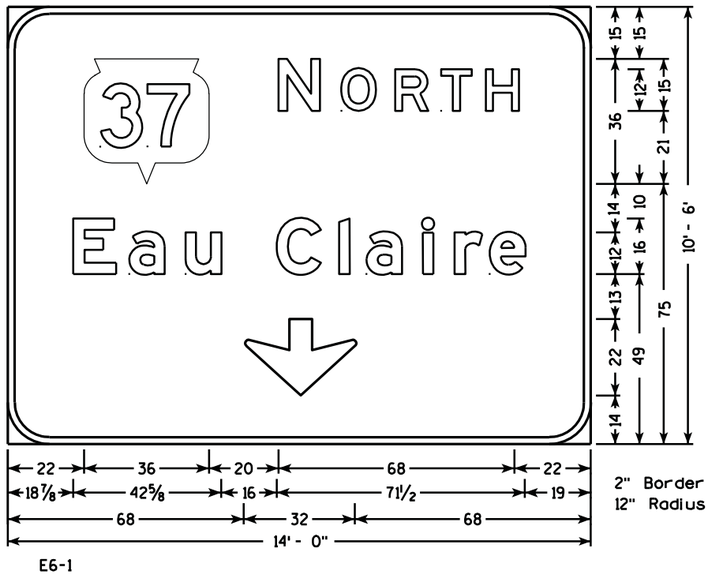


7

7

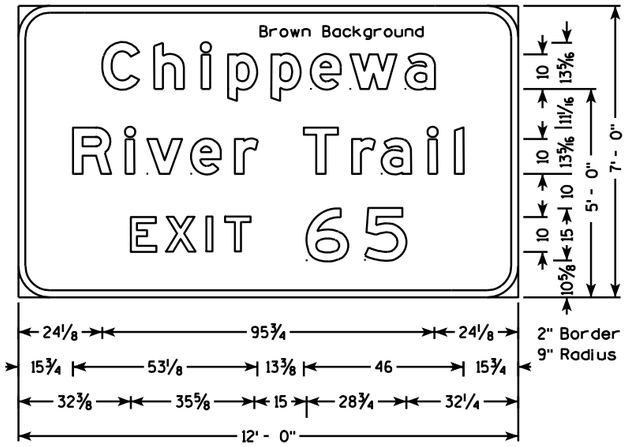
PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	PERMANENT SIGNING	SHEET NO: 649	E

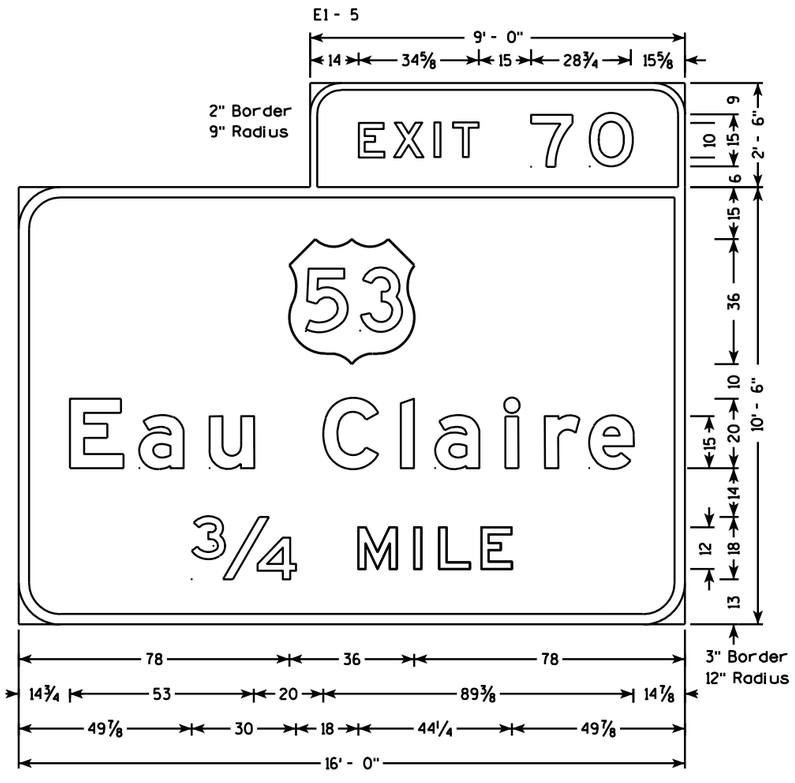


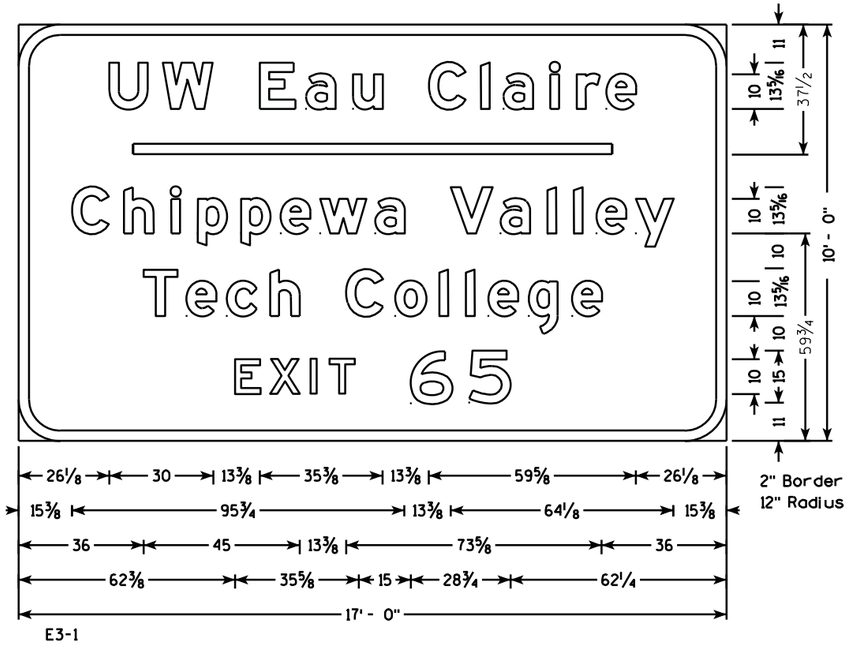


NOTES

1. All Signs are Type I - Type SH Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Green except as noted
   Message - White
3. Message Series - E Modified except all cap Words are Series E



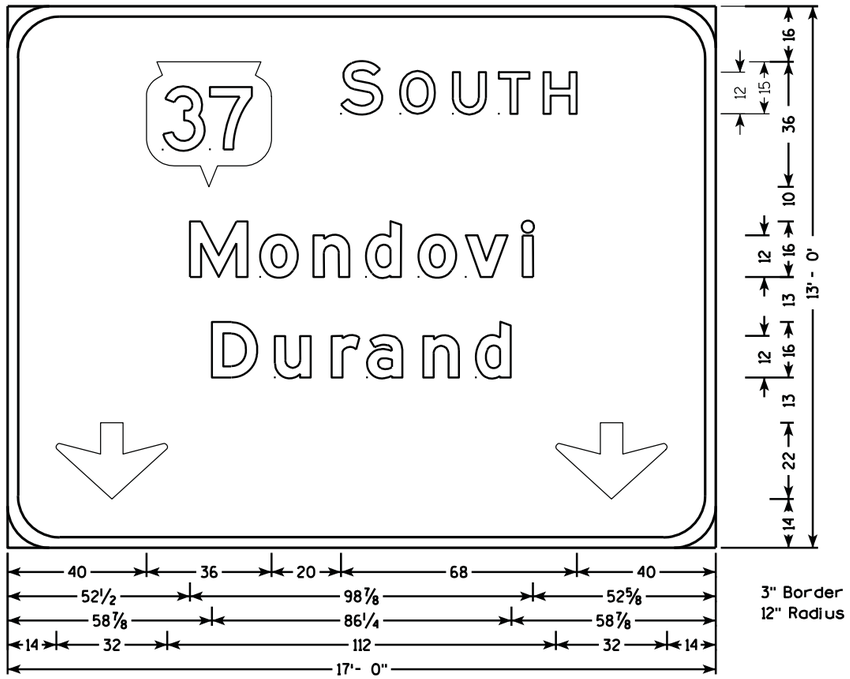




7

7

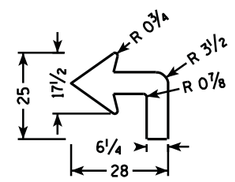
PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	PERMANENT SIGNING	SHEET NO: 650	E

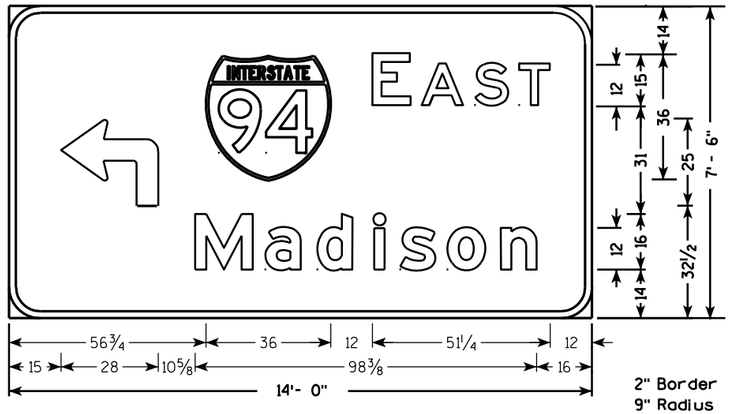


E6-51

NOTES

1. All Signs are Type I - Type SH Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Green
   Message - White
3. Message Series - E Modified except all cap Words are Series E





E6-1

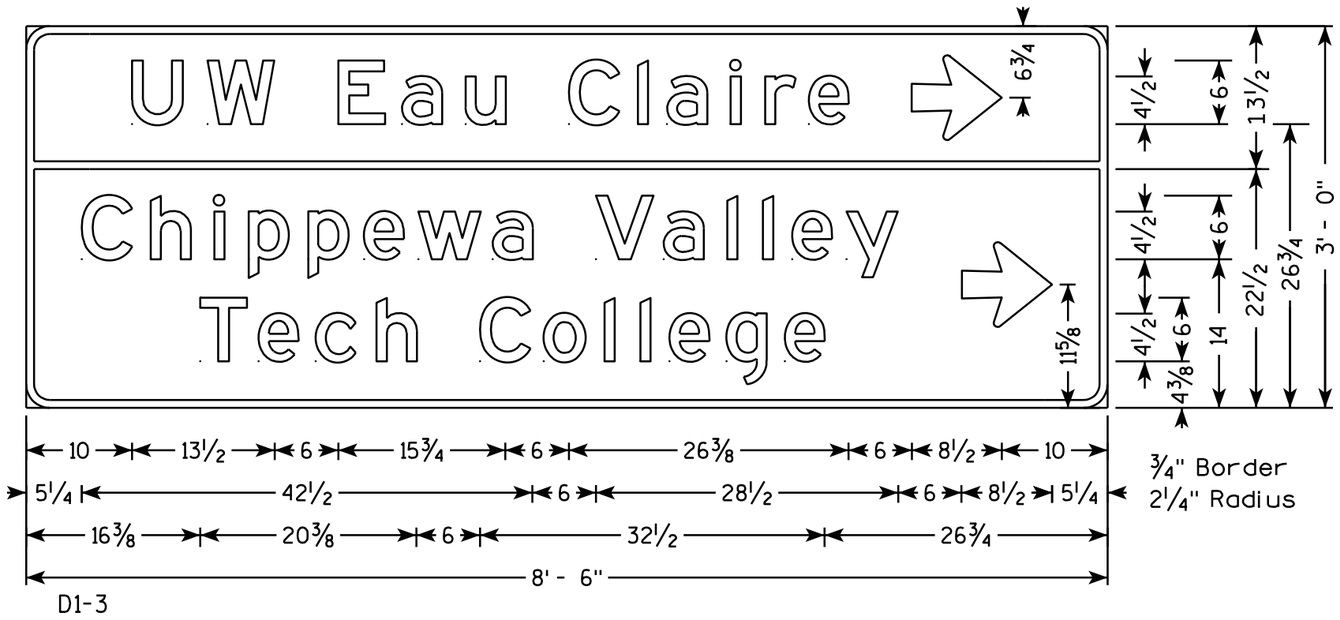
7

7

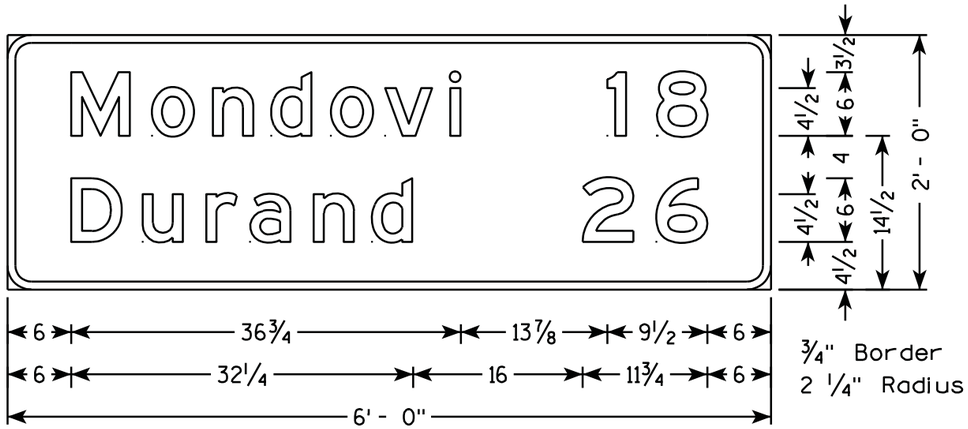
PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	PERMANENT SIGNING	SHEET NO: 651	E

NOTES

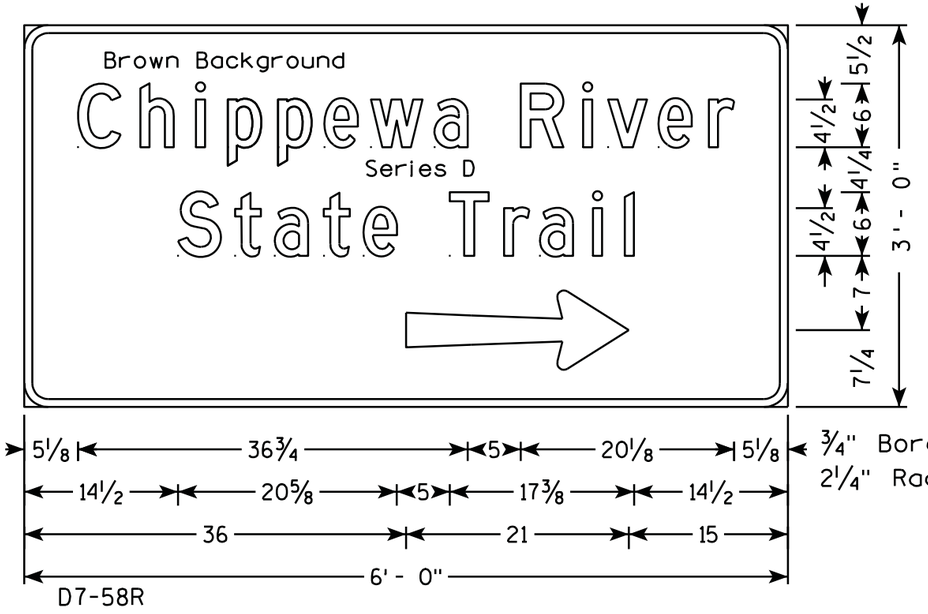
1. All Signs Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - GREEN except as noted
   Message - WHITE
3. Message Series - E except as noted



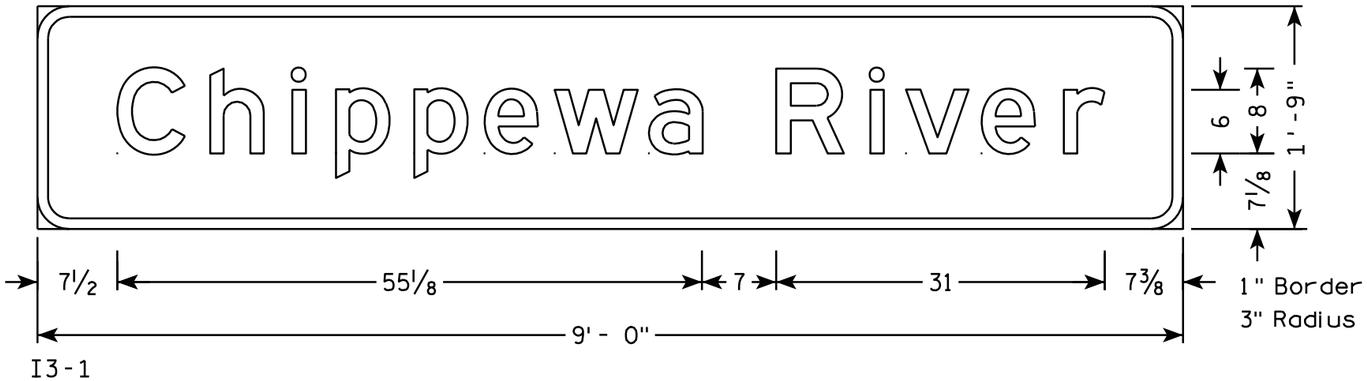
D1-3



D2-2



D7-58R

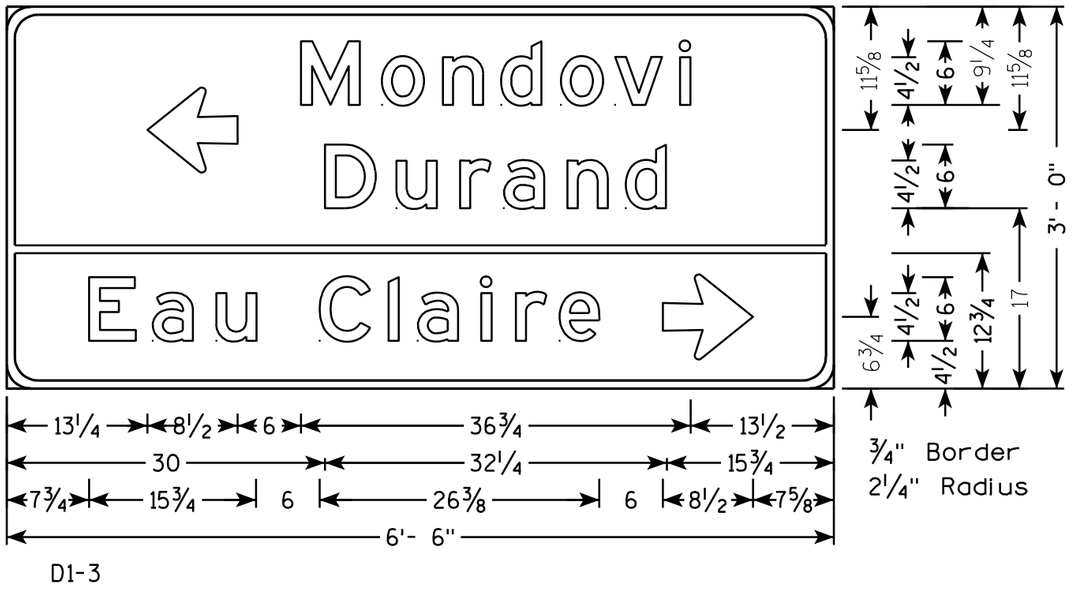


I3-1

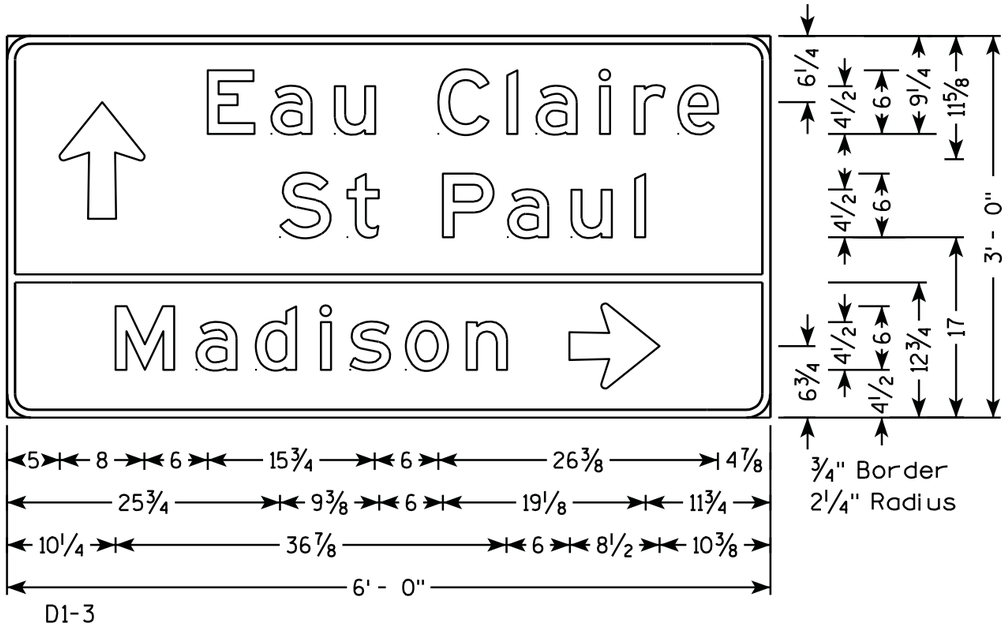
7

7

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	PERMANENT SIGNING	SHEET NO: 652	E



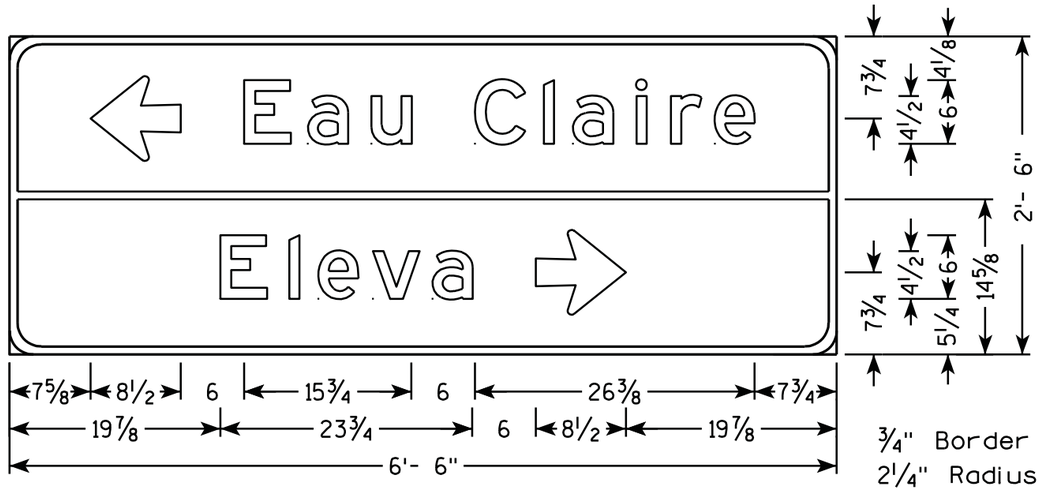
D1-3



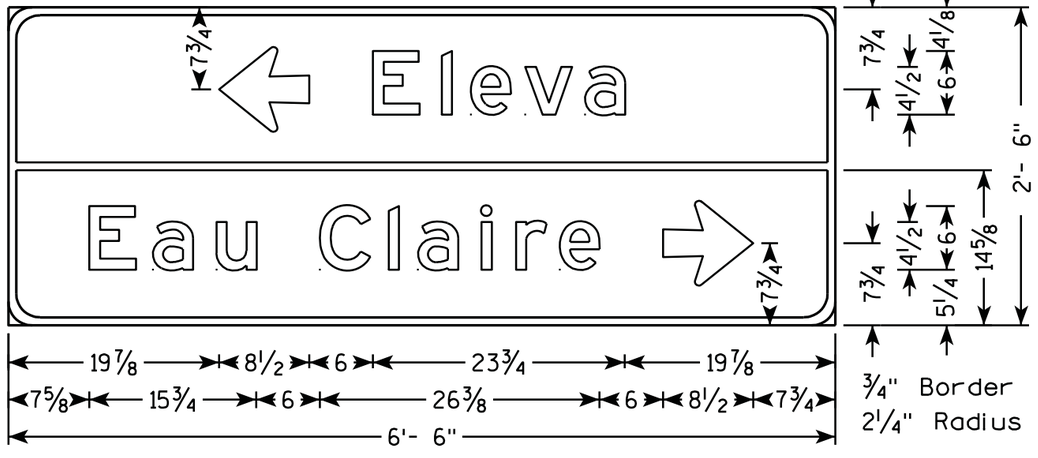
D1-3

NOTES

1. All Signs Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - GREEN
   Message - WHITE
3. Message Series - E



D1-2

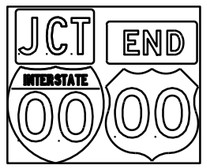


D1-2

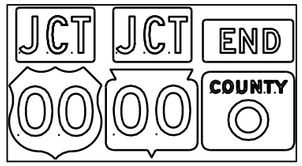
TYPICAL ASSEMBLIES



J1-1



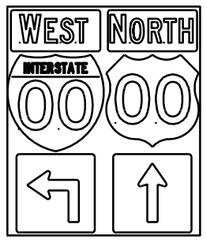
J1-2



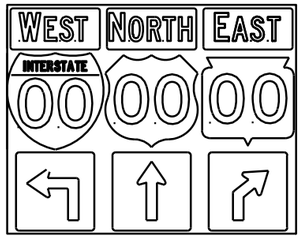
J1-3



J2-1



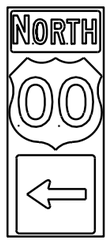
J2-2



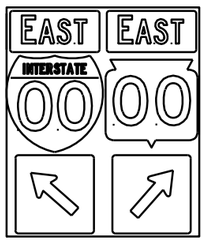
J2-3



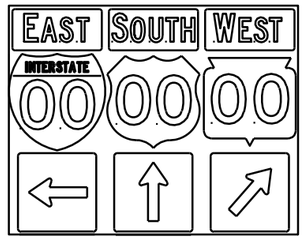
JV



J3-1



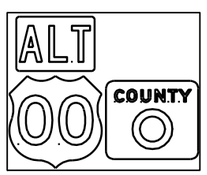
J3-2



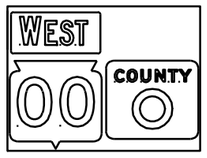
J3-3



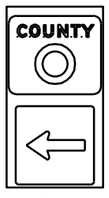
J4-1



J4-2



J4-2



J13-1



J12-1



J32-1



J33-1



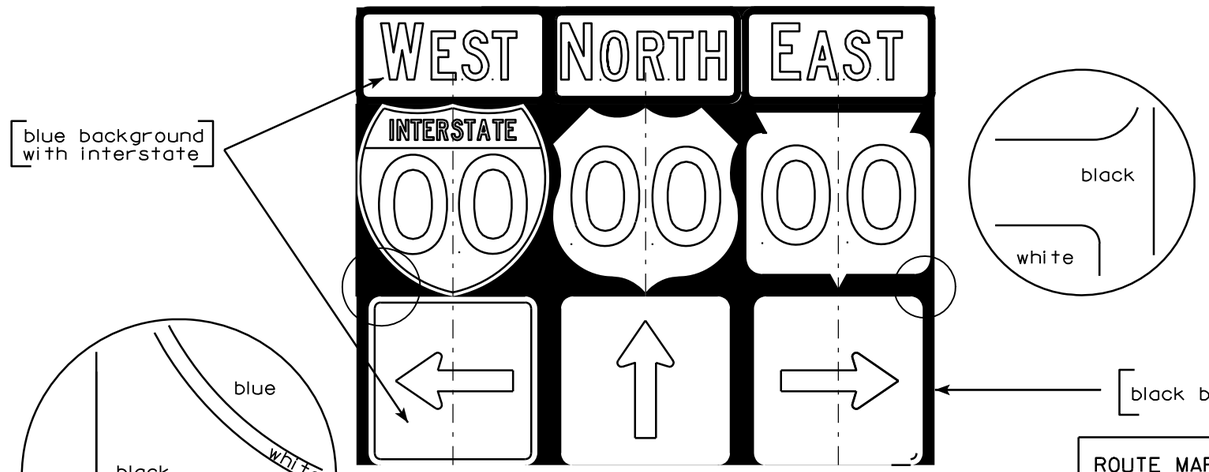
J23-1



J22-1

NOTES

1. Signs are Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Black Non-reflective
   Message - see Note 5
3. Message Series - See Note 5
4. Corners shall be square since base material is plywood.
5. The colors and message spacing on each marker shall be according to the applicable route marker panel specifications.
6. Certain marker heads require the component pieces to be the same color. As an example, all the components used with an M1-1 Interstate marker shall be blue.
7. Single panel j-assemblies shall only be used with route marker shields that are same size. If the route marker shields are different size use multiple piece component.
8. Route assemblies that have 24 inch route shields and have dimensions greater than 48 inches (both vertical and horizontal) shall have one horizontal splice between the arrows and route shields. Vertical splices shall not be used on route assemblies with a horizontal dimension of 144 inches or less. The contractor shall not use more than one vertical joint per sign and the joint shall be between route shields.
9. Route assemblies that have 36 inch shields and have dimensions greater than 48 inchs (both vertical and horizontal) shall have two horizontal splices. One horizontal splice shall be between the cardinal direction and route shields and the other horizontal splice shall be between the arrows and route shields. Vertical splices shall not be used on route assemblies with a horizontal dimension of 144 or less. The contractor shall not use more than one vertical joint per sign and the joint shall be between route shields.



ROUTE MARKERS & COMPONENTS IN TYPICAL ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

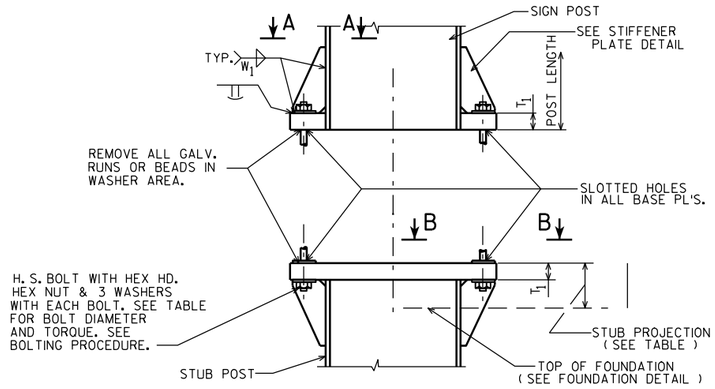
DATE 10/21/09 PLATE NO. A2-1S.6

7

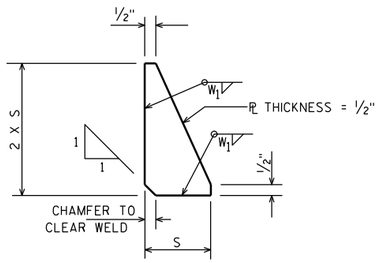
7

PROJECT NO:

SHEET NO: 654 E

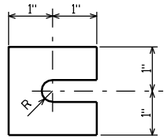


SIGN POST AND STUB POST ELEVATION



STIFFENER PLATE DETAIL

(SEE TABLE FOR DIMENSIONS)



FURNISH 2 @ .012" ± THICK AND 2 @ .032" ± THICK SHIMS PER POST. SHIMS SHALL BE FABRICATED FROM BRASS SHIM STOCK OR STRIP CONFORMING TO A.S.T.M.- B36.

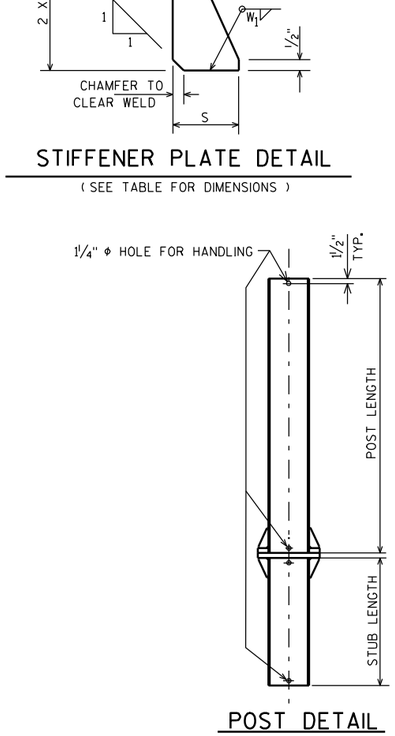
SHIM DETAIL

	QUANTITIES FOR 1 FOOTING	
	CONC. MASONRY C.Y.	REINF. STEEL LBS.
A	0.6	34
B	0.8	49
C	0.9	50
D	0.9	56
E	1.0	62

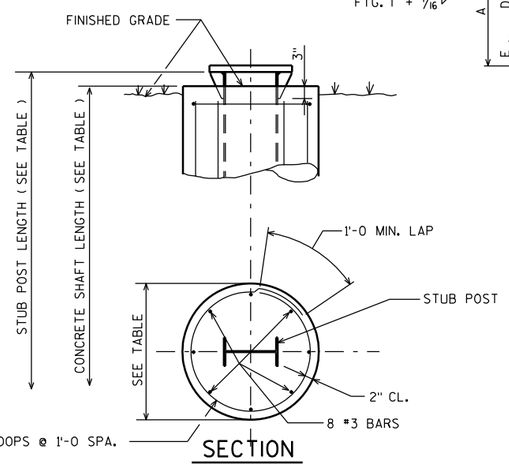
⑦

REINF.	TYPE	#3	#4
	A	8 @ 4'-5	5 @ 6'-3
	B	8 @ 6'-5	7 @ 6'-3
	C	8 @ 6'-11	7 @ 6'-3
	D	8 @ 7'-5	8 @ 6'-3
	E	8 @ 7'-11	9 @ 6'-3

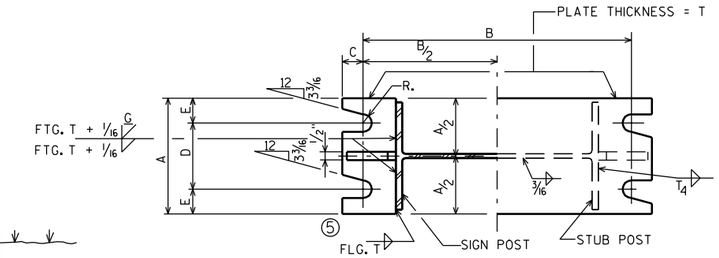
⑦



POST DETAIL

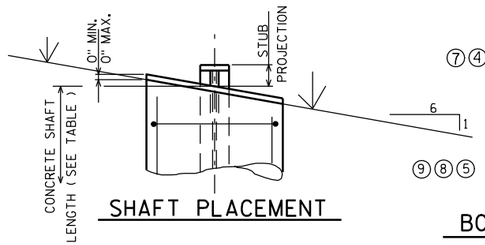


SECTION

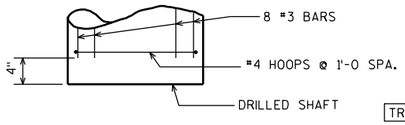


FTG. T + 1/16 G
FTG. T + 1/16

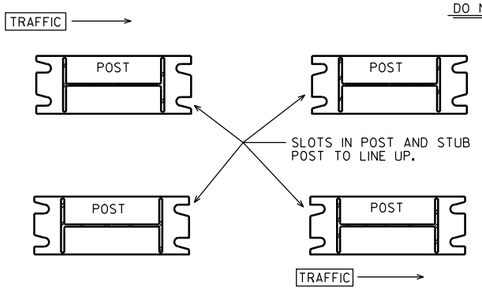
SECTION A-A SECTION B-B



SHAFT PLACEMENT



FOUNDATION DETAIL



POST SLOT ORIENTATION ⑦

DESIGN DATA

WIND PRESSURE = 75 M.P.H.
WIND COMPONENTS - NORMAL = 1.0 TRANSVERSE = 0.0
ICE LOAD = 3 P.S.F.

GROUP LOADS	PERCENT OF ALLOWABLE STRESS
1. DEAD	100
2. DEAD & WIND	140
3. DEAD, ICE & 1/2 WIND△	140 △25 P.S.F. MIN.

ALLOWABLE SOIL PRESSURE = 1½T / SQ. FT.
WIND LOAD WAS APPLIED TO THE AREA OF THE SIGN AND TO THE SUPPORTING MEMBERS.
ICE LOAD WAS APPLIED TO ONE FACE OF THE SIGN AND AROUND THE SURFACE OF THE SUPPORTING MEMBERS.

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.
DESIGN CONFORMS WITH A.A.S.H.T.O. SPECIFICATIONS 1985.
ALL POSTS, POST STUBS & ATTACHMENTS SHALL BE A.S.T.M. A709 GRADE 50.
⑨ THE POST, BASE PLATES, UPPER SIX INCHES OF STUB POST FLANGE SPLICE PLATE AND FUSE PLATE SHALL BE GALVANIZED AFTER FABRICATION.
H.S. BOLTS, WASHERS & NUTS SHALL BE A325 GALVANIZED WHEN POSTS, POST STUBS AND ATTACHMENTS ARE A709 GRADE 50 AND GALVANIZED.

BOLTING PROCEDURE - BASE CONNECTION

1. ASSEMBLE SIGN POST TO STUB POST WITH BOLTS AND ONE OF THE FLAT WASHERS ON EACH BOLT BETW. PLATES.
2. SHIM AS REQ'D. TO PLUMB POST.
3. TIGHTEN ALL BOLTS THE MAXIMUM POSSIBLE WITH 12" OR 15" WRENCH TO BED WASHERS & SHIMS AND TO CLEAN BOLT THREADS, THEN LOOSEN EACH BOLT IN TURN AND RETIGHTEN IN A SYSTEMATIC ORDER TO THE PRESCRIBED TORQUE. (SEE TABLE)
4. BURR THREADS AT JUNCTION WITH NUT USING A CENTER PUNCH TO PREVENT NUT LOOSENING.

NOTE:
TIGHTEN THE HIGH STRENGTH BOLTS TO THE TORQUE SHOWN.
DO NOT OVERTIGHTEN.

	TYPE	DIMENSION / POST SIZE	BASE CONNECTION DATA TABLE: BOLT SIZE & TORQUE	A	B	C	D	E	T_1	T_4	W_1	R	S	FOUNDATION DATA: STUB LENGTH	STUB PROJECTION	SHAFT DIAMETER	SHAFT LENGTH	② K
④	A	W10"X12.0 #/FT.	3/4" Φ @ 75#-FT.	5 1/4"	1'-0 3/8	7/8"	3 1/2"	7/8"	1"	3/16"	5/16"	13/32 "	2 1/8"	3'-6	3"	2'-0 Φ	5'-0	76.0# ④
④	B	W12"X16.0 #/FT.	7/8" Φ @ 85#-FT.	5 1/2"	1'-4 1/4	1"	3 1/2"	1"	1 1/4"	1/4"	5/16"	15/32 "	3"	5'-6	3"	2'-0 Φ	7'-0	146.5# ④
	C	W12"X19.0 #/FT.	7/8" Φ @ 85#-FT.	5 1/2"	1'-4 1/4	1"	3 1/2"	1"	1 1/2"	5/16"	5/16"	15/32 "	3"	6'-0	3"	2'-0 Φ	7'-6	182.1#
	D	W12"X22.0 #/FT.	7/8" Φ @ 85#-FT.	5 1/2"	1'-4 1/4	1"	3 1/2"	1"	1 1/2"	3/8"	5/16"	15/32 "	3"	6'-6	3"	2'-0 Φ	8'-0	210.5#
③	E	W12"X26.0 #/FT.	1" Φ @ 90#-FT.	7"	1'-4 1/4	1 1/4"	4"	1 1/2"	1 1/2"	3/8"	5/16"	17/32 "	3"	7'-0	3"	2'-0 Φ	8'-6	293.0# ③

① ⑥ ①

STRUCTURAL CARBON STEEL PAY WTS. (1 POST) = K+ (POST LENGTH X POST WT.)
" K " INCLUDES STUB, BASE PLATES, STIFFS., BOLTS, AND WASHERS.

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch for State Traffic Engineer
DATE 4/26/11 PLATE NO. A3-1.13

NO.	DATE	REVISION
⑨	4-26-11	REMOVE NON-GALVANIZED
⑧	10-30-96	NOT GALVANIZED/GALVANIZED
⑦	10-30-92	QUANT., A588 EXCEPT., ADD SLOT VIEW
⑥	8-24-87	BASE CONN. WELD
⑤	10-13-81	BASE CONN. WELD & FUSE PL WASHERS
④	10-19-79	POST A & B, A572 GR. 50, & K
②	11-28-78	"K" ③ 4-23-79 TYPE "E"
①	5-4-78	T_1 , T_2 & W_1

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

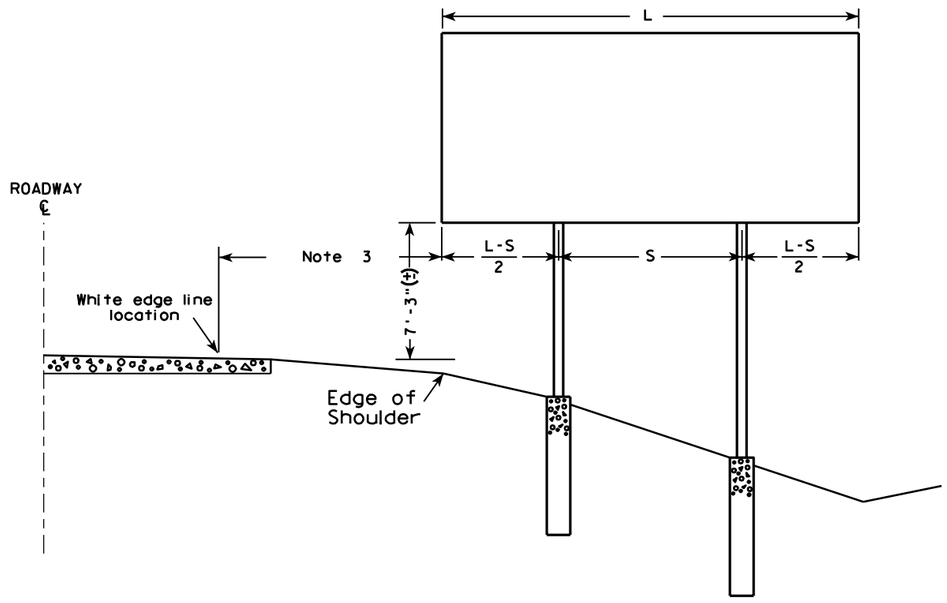
TYPE A, B, C, D, & E

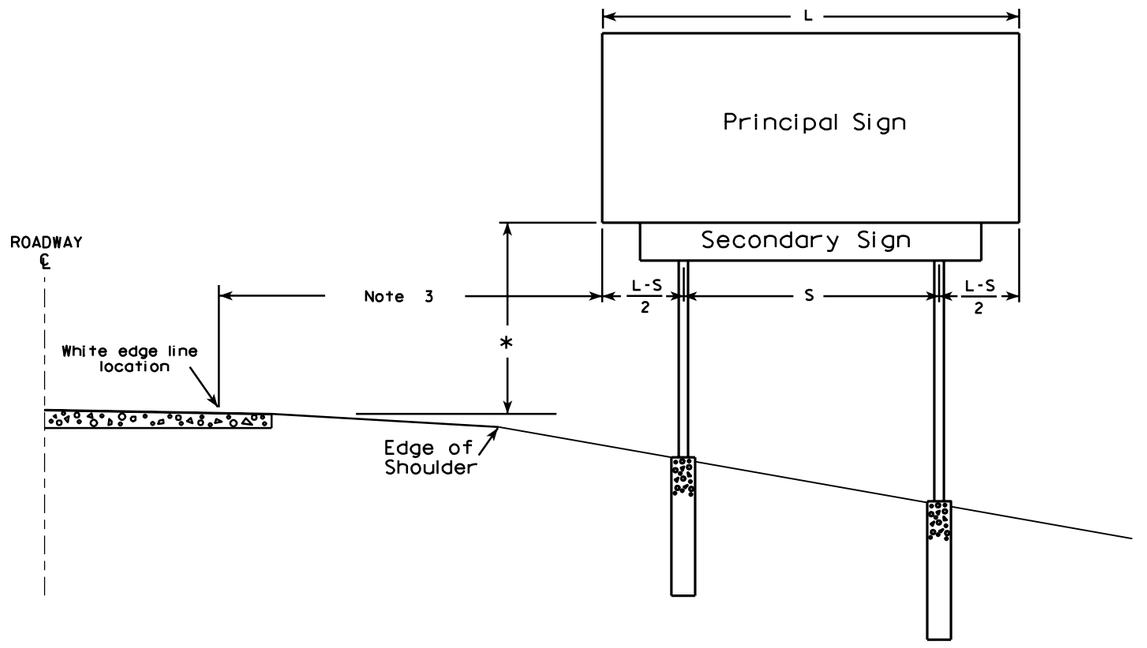
CONST. SPEC. 2011 | DRAWN BY JPH | PLANS CK'D.

FTG. & SIGN SUPPORT DETAILS GROUND MOUNT BREAK-AWAY SIGNS

SHEET

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 655 | E





GENERAL NOTES

1. For a 2 post installation, S equals 3L/5, but shall not be less than 9 ft.
2. For a 3 post installation, S equals 5L/7, but shall not be less than 18 ft., and the space between any two posts shall not be less than 9 ft.
3. Unless noted in the plan, the sign offset distance shall be a minimum of 17'-6", desirable 30'-0".
4. The (±) tolerance shown on this sheet is 3 in.
5. The vertical sign height clearance detailed is measured from the bottom of the sign to the near edge of pavement.
6. Post lengths shown in the miscellaneous quantities are estimated lengths. The contractor shall verify post lengths at the time of final grading.
7. Refer to the Traffic Guidelines Manual for further guidance on minimum vertical clearance requirements.

* Clearance is 8'-3"(±) when the secondary sign is 3 ft. or less in height. For secondary signs larger than 3 ft., the clearance to the bottom of the secondary sign shall be 5'-3"(±).

7

7

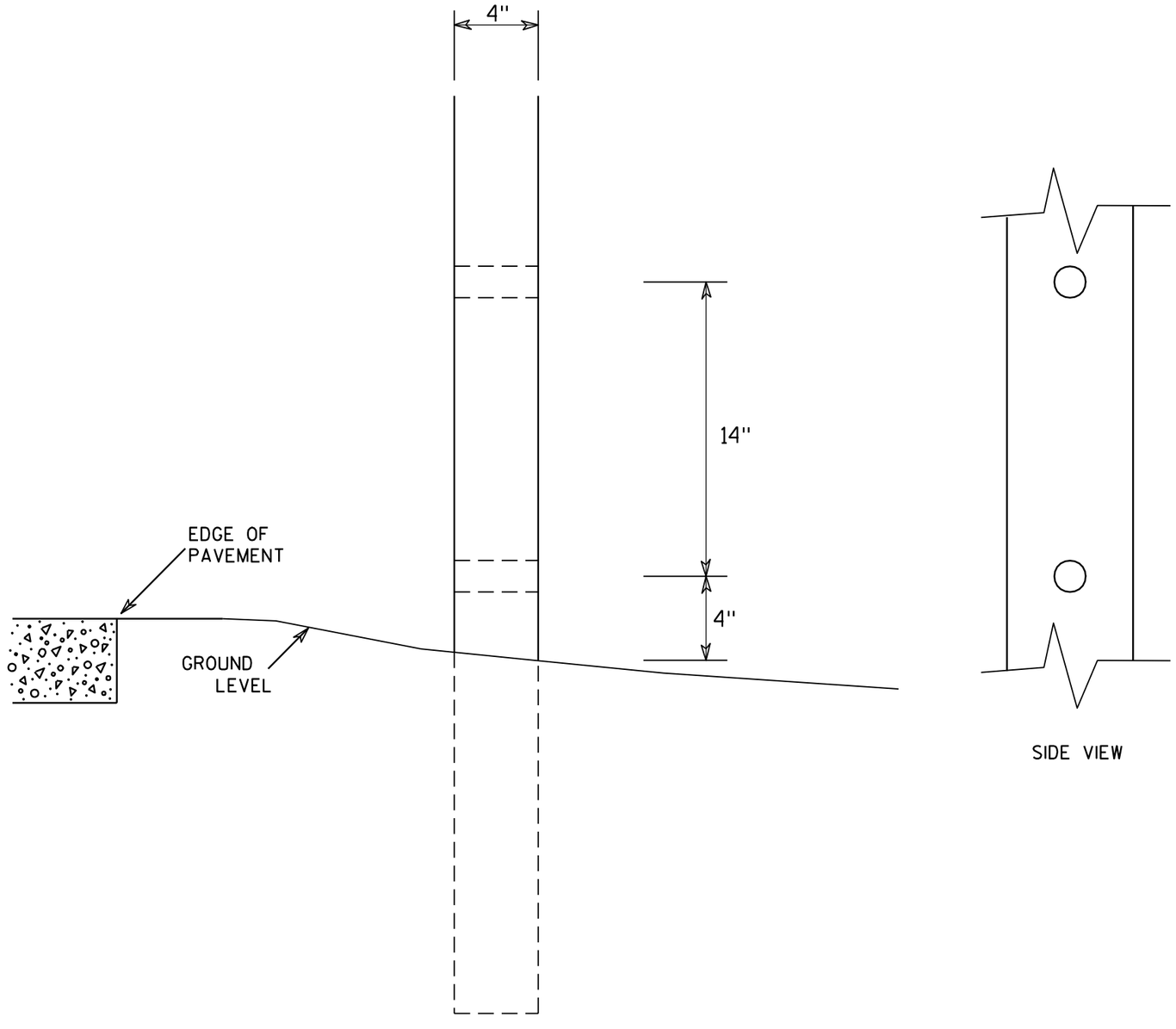
TYPICAL INSTALLATION
OF TYPE I SIGNS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 4/02/08 PLATE NO. A4-1.9

PROJECT NO:				SHEET NO: 656	E



SIDE VIEW

GENERAL NOTES

1. All 4 x 6 Wood Posts shall be modified by having two 1½" diameter holes drilled perpendicular to the roadway centerline.

7

7

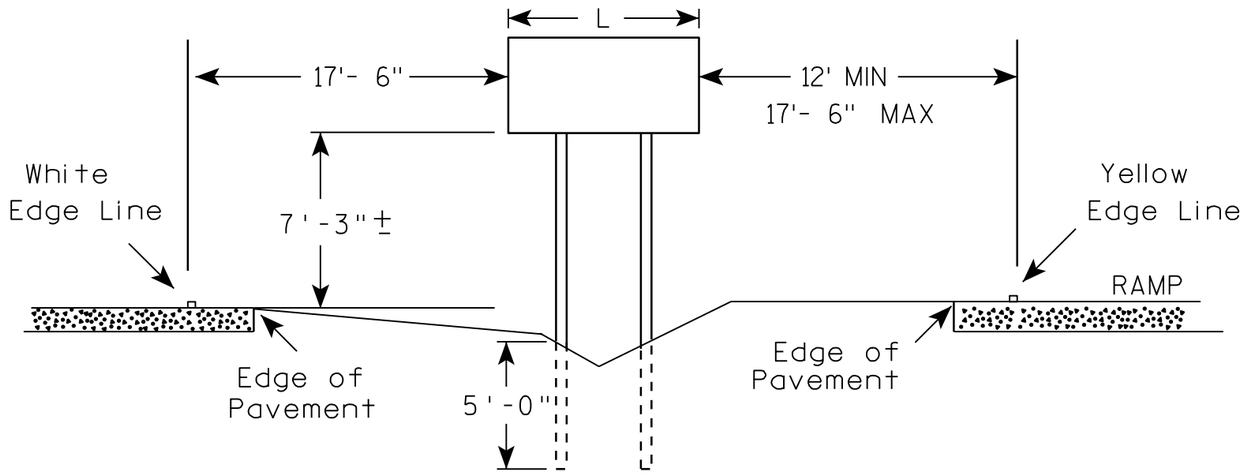
4 X 6 WOOD POST MODIFICATIONS

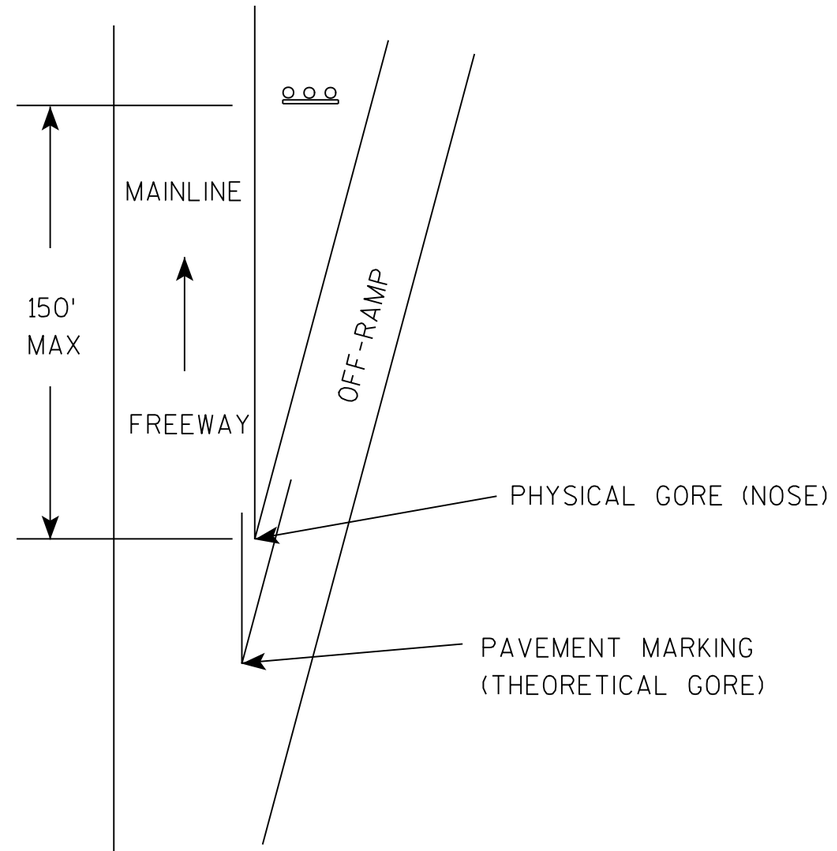
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Chester J Spang for State Traffic Engineer

DATE 3/27/97 PLATE NO. A4-11.2

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 657	E





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 9 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

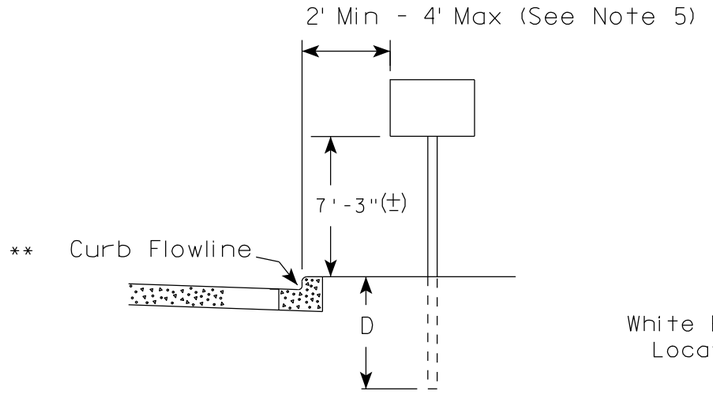
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Chester J Spang
for State Traffic Engineer

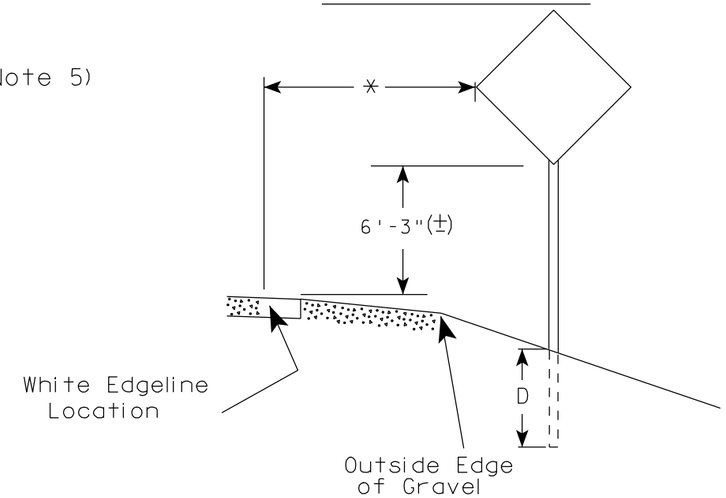
DATE 4/4/00 PLATE NO. A4-2.2

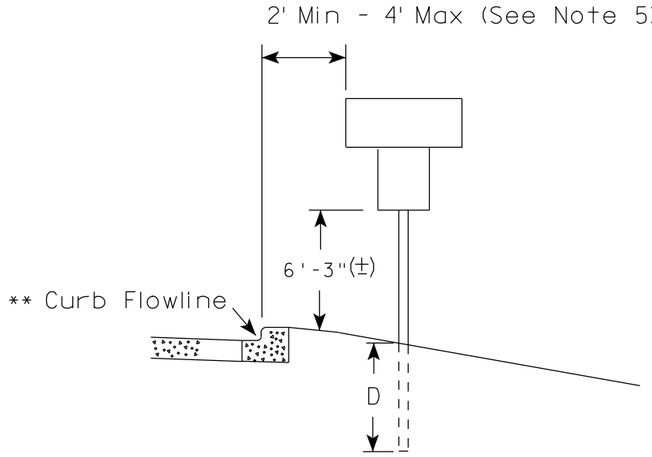
PROJECT NO: | SHEET NO: 658 | E

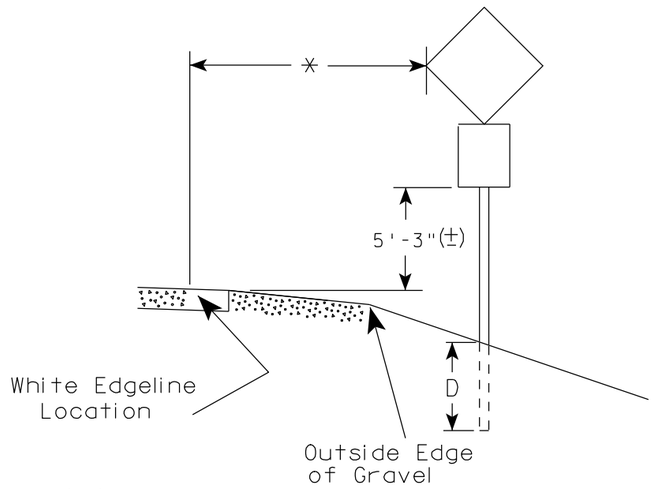
URBAN AREA



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.

GENERAL NOTES

1. Signs wider than 4 feet or larger than 20 sq. ft. shall be mounted on multiple posts. Refer to plate A4-4.
2. If signs are mounted on barrier wall, see A4-10 sign plate.
3. For expressways and freeways, mounting height is 7'- 3" (±) or 6'-3" (±) depending upon existence of a sub-sign.
4. Minimum mounting height for J assemblies (A4-5) is 7'-3" (±) or 6'-3" (±) per urban or rural detail respectively.
5. Minimum mounting height for signs mounted on traffic signal poles is 5'- 3" (±).
6. Offset distance shall be consistent with existing signs or consistent throughout length of project.
7. The (±) tolerance for mounting height is 3 inches.
8. Folding stop signs (R1-1F) shall be mounted at a height of 5'-3" (±) or as directed 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), Clearance Markers (W5-52), Mile Markers (D10 series) & End of Road Markers (W5-56 & W5-56A) shall be mounted at a height of 4'-3" (±).

POST EMBEDMENT DEPTH

Area of Sign Installation (Sq. Ft.)	D (Min)
20 or Less	4'
Greater than 20	5'

TYPICAL INSTALLATION OF PERMANENT TYPE II SIGNS ON SINGLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch for State Traffic Engineer

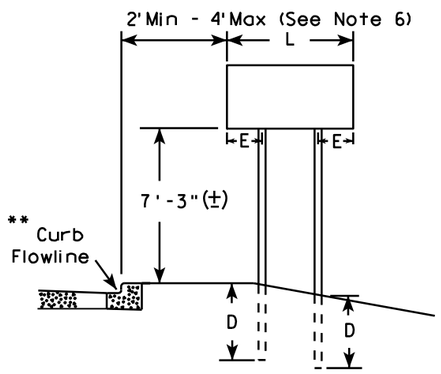
DATE 9/21/2011 PLATE NO. A4-3.16

7

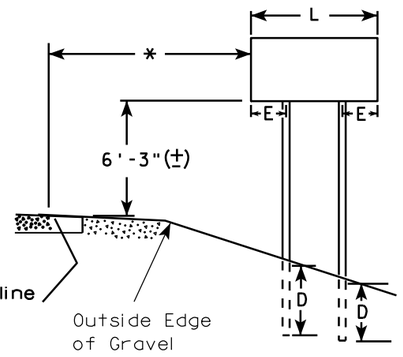
7

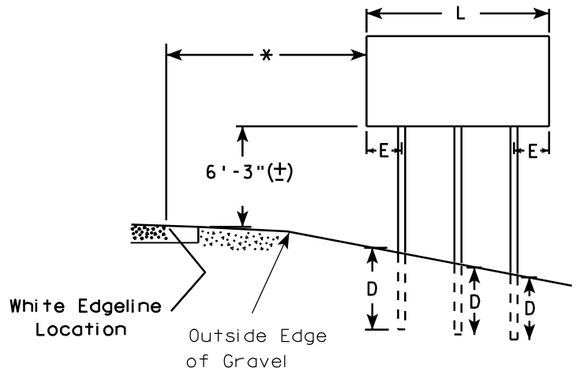
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 659 | E

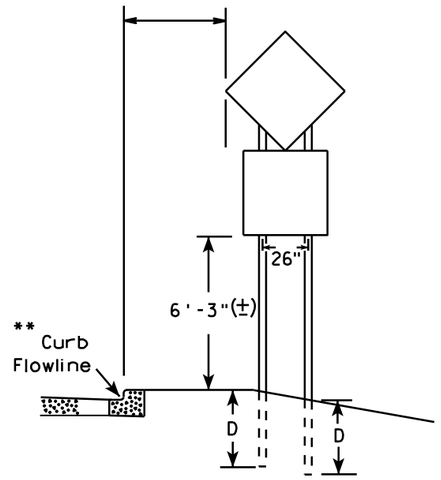
URBAN AREA



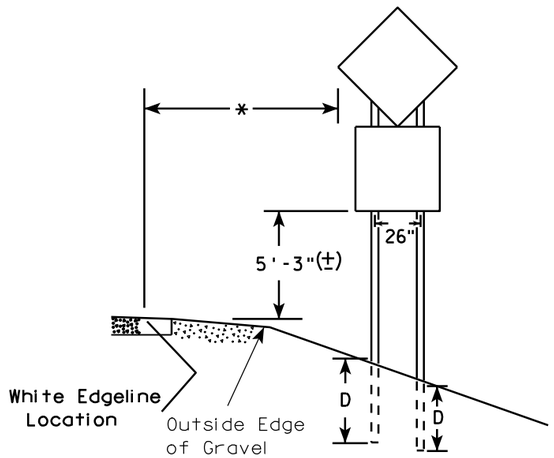
RURAL AREA (See Note 3)







48" DIAMOND WARNING SIGN



48" DIAMOND WARNING SIGN

***	SIGN SHAPE OTHER THAN DIAMOND (TWO POSTS REQUIRED)	
	L	E
	Greater than 48" Less than 60"	12"
	60" to 120"	L/5

SIGN SHAPE OTHER THAN DIAMOND (THREE POSTS REQUIRED)	
L	E
Greater than 120" less than 168"	12"

SIGN SHAPE OTHER THAN DIAMOND (FOUR POSTS REQUIRED)	
L	E
168" and greater	12"

POST EMBEDMENT DEPTH

Area of Sign Installation (Sq. Ft.)	D (Min)
20 or Less	4'
Greater than 20	5'

GENERAL NOTES

1. For multiple post installations, individual post spacing shall be greater than 3'-6".
2. See tables below for required number of posts.
3. For expressways and freeways, mounting height is 7'-3" (±) or 6'-3" (±) depending upon existence of sub-sign.
4. The (±) tolerance for mounting height is 3 inches.
5. Minimum mounting height for J assemblies (A4-5) is 7'-3" (±) or 6'-3" (±) per urban or rural detail respectively.
6. Offset distance shall be consistent with existing signs or consistent throughout length of project.
7. Folding stop signs (R1-1F) 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) & End of Road Markers (W5-56 & W5-56A) 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 or 20 S.F. or less in area.

TYPICAL INSTALLATION OF TYPE II SIGNS ON MULTIPLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

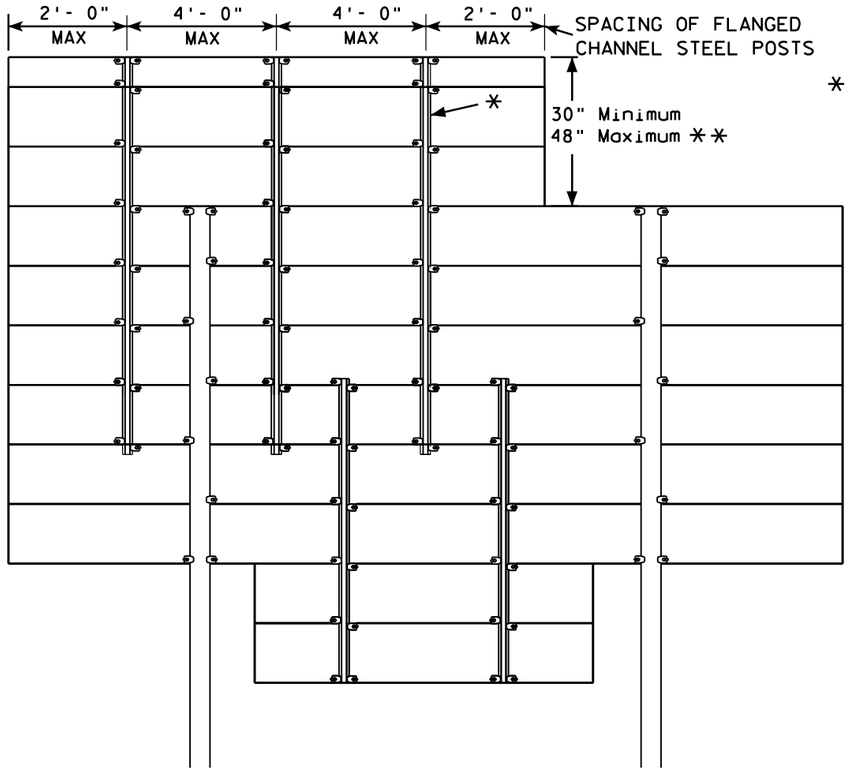
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 9/21/2011 PLATE NO. A4-4.11

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 660	E

FILE NAME : C:\Users\PROJECTS\tr_stdplate\A44.DGN PLOT DATE : 21-SEP-2011 13:36 PLOT BY : mscsja PLOT NAME : PLOT SCALE : 109.249131:1.000000 WISDOT/CADDS SHEET 42

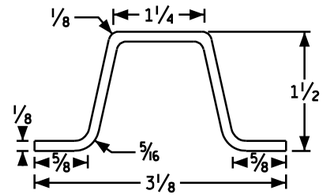
GROUND MOUNTED SIGN



*=2.00 lb/ft FLANGED CHANNEL, MIN. YIELD STRENGTH = 60,000 PSI (GRADE 60) GALVANIZED

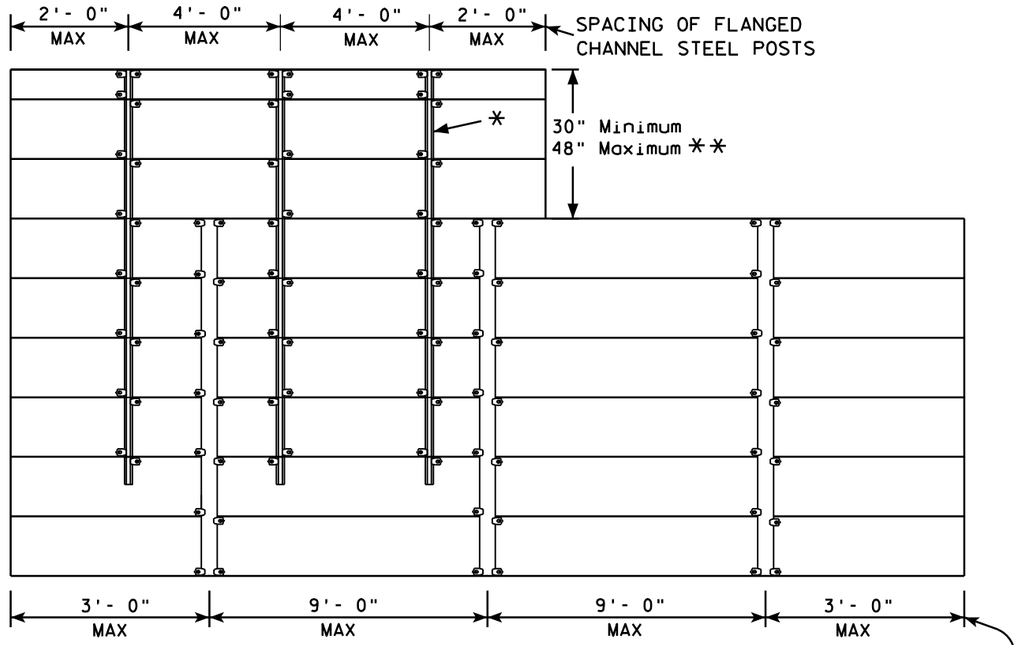
**=FOR 48" HEIGHT PANELS ON OVERHEAD STRUCTURES, ENTIRE SIGN SHALL BE CENTERED VERTICALLY ABOUT THE DEPTH OF THE TRUSS.

FLANGE CHANNEL DETAIL



NOT TO SCALE

SIGN BRIDGE MOUNTED SIGN



GENERAL NOTES

1. Flanged channel steel posts shall conform to size and material above, and shall be considered as incidental to other items in the contract.
2. Number of Flanged channel steel supports varies with length of panel and shall be spaced as shown:

   PANEL LENGTH 8'-0" OR LESS = 2 CHANNELS
   PANEL LENGTH 9'- 0" - 12'- 0" = 3 CHANNELS
   PANEL LENGTH 13'- 0" OR MORE = 4 CHANNELS

   If the flanged channel steel posts can not be horizontally spaced as shown, they can be moved so as to securely hold the sign.
3. The EXIT NUMBER PANEL shall normally be positioned above the guide sign aligned with the right edge of the guide sign. If the guide sign indicates a left exit, the EXIT NUMBER PANEL shall be aligned with the left edge of the guide sign.
4. If the bolt holes in the top panel (EXIT NUMBER), or sub panel (NEXT EXIT) line up with holes in main sign panel, stitch bolts shall be used in addition to the channels.
5. Provide post clips for each sign as shown. (Please note the differences between a ground mounted versus Sign bridge mounted sign as far as number of clips required on the main supports or beams)

7

7

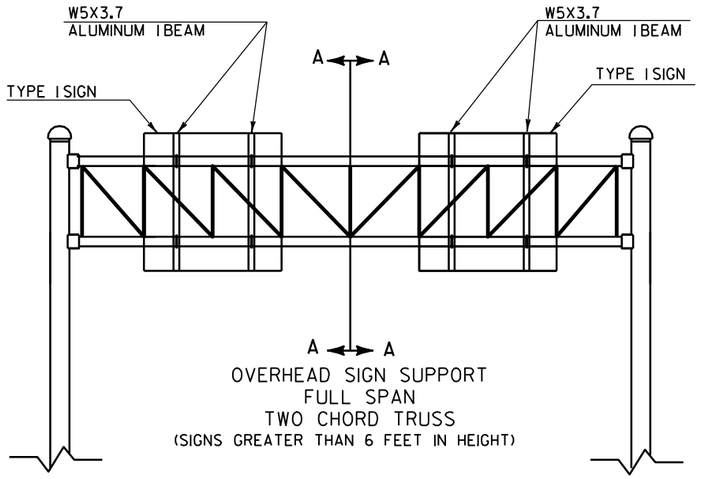
ATTACHMENT OF GUIDE SIGNS TO SUPPORTS

WISCONSIN DEPT OF TRANSPORTATION

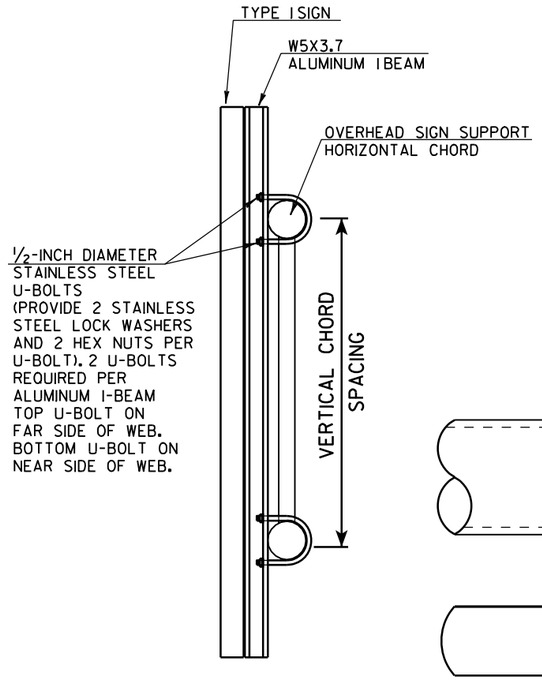
APPROVED Matthew R Rauch for State Traffic Engineer

DATE 6/7/10 PLATE NO. A4-6.11

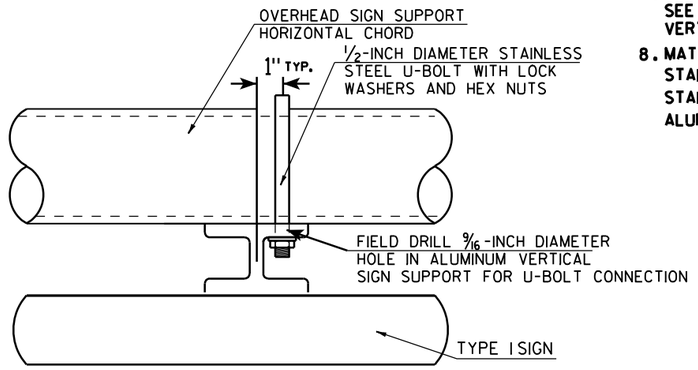
PROJECT NO:				SHEET NO: 661	E



OVERHEAD SIGN SUPPORT
FULL SPAN
TWO CHORD TRUSS
(SIGNS GREATER THAN 6 FEET IN HEIGHT)



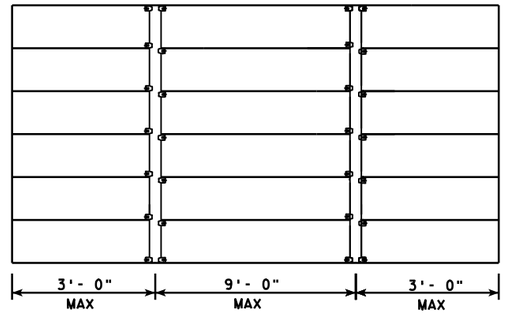
CUT SECTION A-A



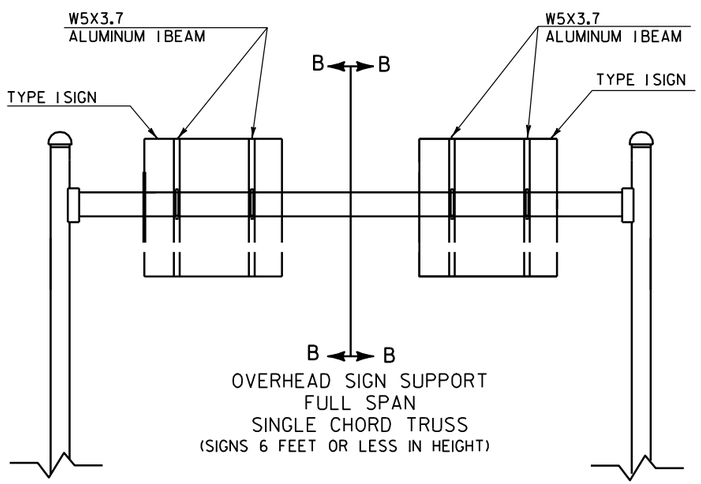
TYPICAL SIGN CONNECTION FOR
TWO CHORD TRUSS
PLAN VIEW

GENERAL NOTES

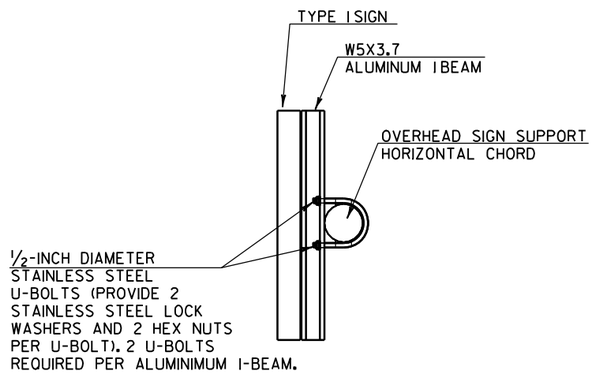
1. USE STAINLESS STEEL U-BOLTS, WASHERS, AND NUTS.
2. USE CLIPS ON EVERY EXTRUDED PANEL JOINT PER SIGN PLATE A4-6.
3. USE ALUMINUM VERTICAL SIGN SUPPORT BEAMS HAVING A 5 INCH BEAM DEPTH AND WEIGHT OF 3.7 LBS PER FOOT.
4. U-BOLTS SHALL BE STAINLESS STEEL AND MANUFACTURED TO THE PROPER SIZE TO FIT THE CHORDS OF THE OVERHEAD SIGN STRUCTURE.
5. DIAMETER OF U-BOLTS SHALL BE AS SHOWN.
6. THE LENGTH OF THE ALUMINUM VERTICAL SIGN SUPPORT BEAMS SHALL BE THE SAME AS THE HEIGHT OF THE SIGN THEY ARE SUPPORTING. BEAM LENGTHS MAY BE LONGER FOR PROPER ATTACHMENT TO CHORDS.
7. MINIMUM NUMBER OF BRACKETS PER SIGN IS TWO. SEE DETAIL BELOW FOR SPACING OF ALUMINUM VERTICAL SIGN SUPPORTS
8. MATERIAL NOTES:
   STAINLESS STEEL U-BOLTS AND LOCKWASHERS ASTM 304.
   STAINLESS STEEL HEX NUTS ASTM A276.
   ALUMINUM I-BEAMS ARE 6061-T6.



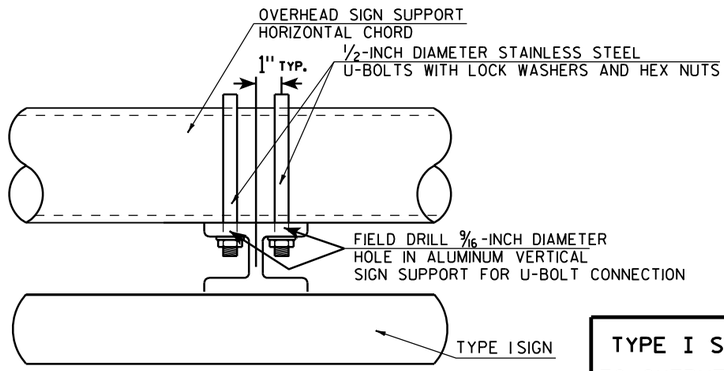
SPACING OF W5X3.7 ALUMINUM
VERTICAL SIGN SUPPORT



OVERHEAD SIGN SUPPORT
FULL SPAN
SINGLE CHORD TRUSS
(SIGNS 6 FEET OR LESS IN HEIGHT)



CUT SECTION B-B



TYPICAL SIGN CONNECTION FOR
SINGLE CHORD TRUSS
PLAN VIEW

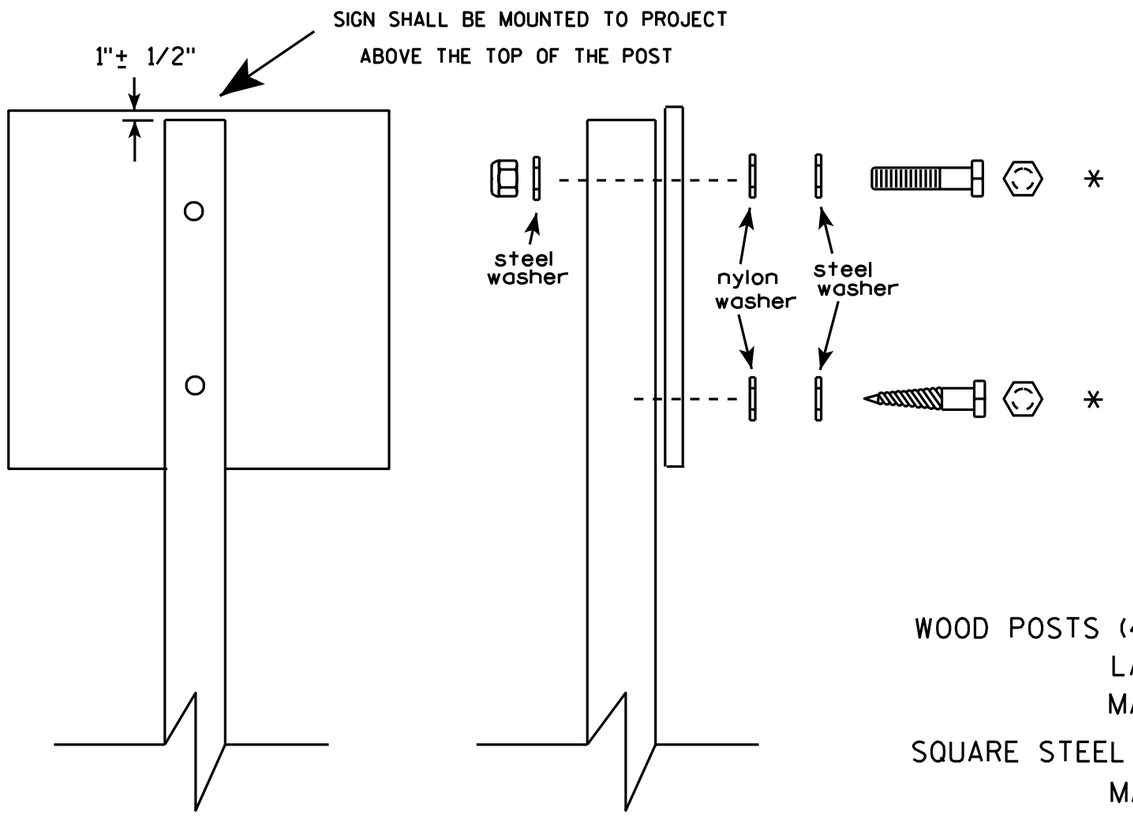
TYPE I SIGN CONNECTION TO OVERHEAD SIGN SUPPORT

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch for State Traffic Engineer

DATE 11/12/12 PLATE NO. A4-7.3

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 662	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

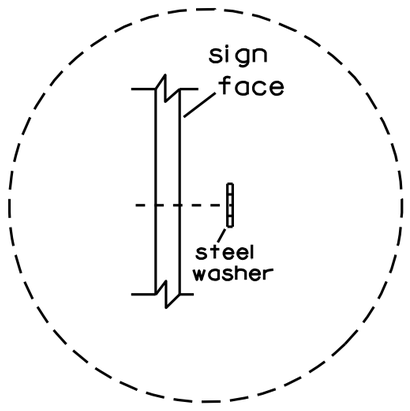
b. Electro-galvanized in accordance with ASTM Designation : B 633, TYPE III, SC 3.

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.

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.



Washer Placement when Sign Has Other Than Type H or Type F Face

* 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 3/23/10 PLATE NO. A4-8.7

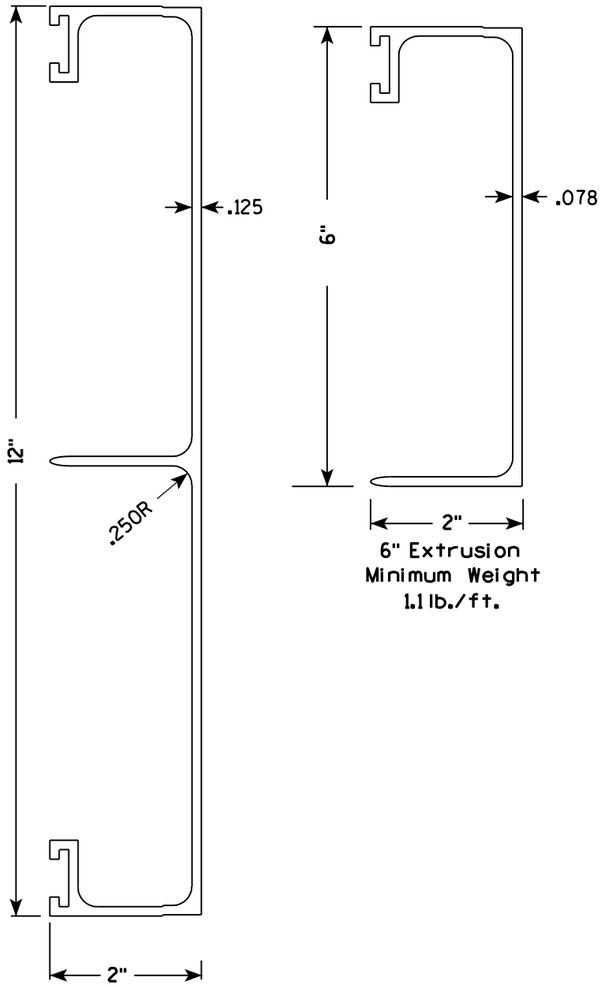
7

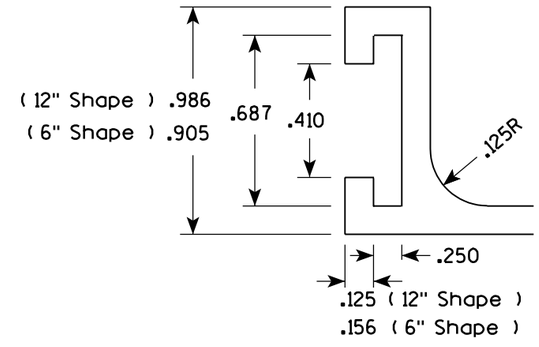
7

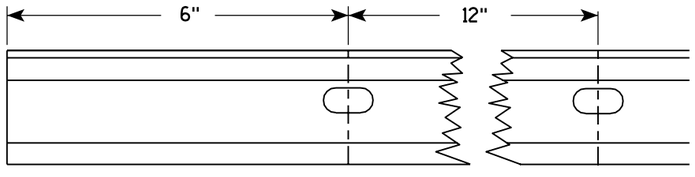
PROJECT NO:

SHEET NO: 663 E

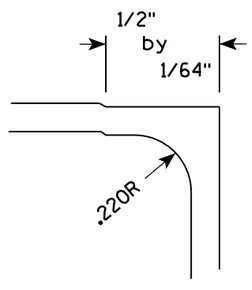
Extruded Shape







Punch 7/16" x 7/8" oval holes beginning 6" in from end of extrusion 12" CC on both edges of 6" and 12" panels.

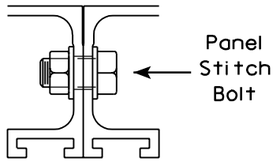


Hardware

STITCH BOLT, WASHER & NUT

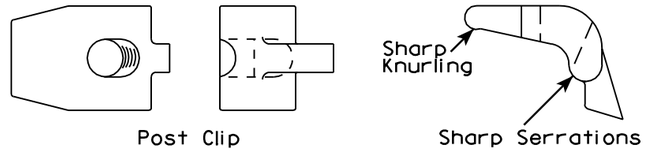
The hardware includes:

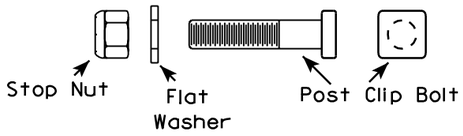
3/8 " - 16 X 3/4 " Economy Bolt 2024-T4 alloy
3/8 " - Stainless steel stop nut
3/8" X .064 Flat Washers, Alclad 2024-T4 alloy



POST CLIP, POST CLIP BOLT, WASHER & NUT

Post Clip shall be Alum. Alloy 356-T6
Post Clip Bolt shall be Stainless Steel.
Flat washer shall be 3/8" X .091, Stainless Steel.
Stop nut shall be stainless steel.





NOTES

1. The contractor may select any brand of extrusion that conforms to the illustrations or meets with the approval of the engineer, but all extrusions used on this contract shall be of the same brand.
2. Panel Stitch Bolts shall be used to assemble adjacent panels. Maximum stitch bolt spacing shall be 24" C-C, and a minimum of 4 bolts shall be used to connect any two extrusions.
3. Post Clips shall be used to attach the sign panel to the sign support.

ALUMINUM EXTRUSIONS FOR TYPE I SIGNS

WISCONSIN DEPT OF TRANSPORTATION

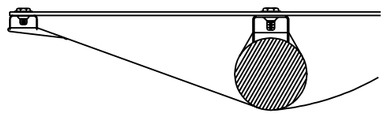
APPROVED Chester J Spang
for State Traffic Engineer

DATE 11/18/99 PLATE NO. A5-2.9

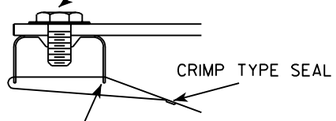
PROJECT NO:

SHEET NO: 664 E

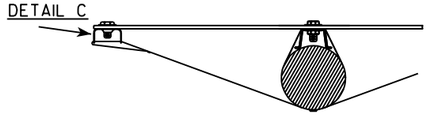
BRACE BANDING

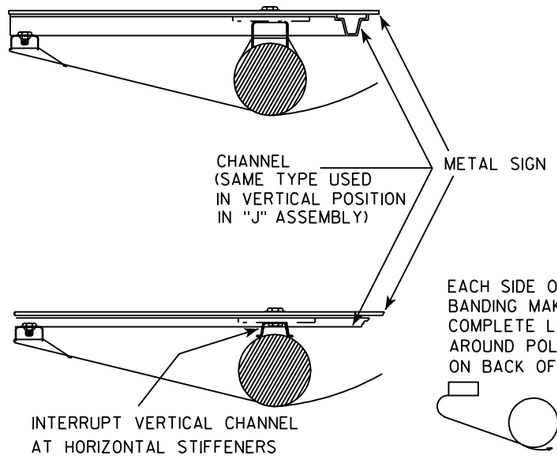


DETAIL C
CADMIUM PLATED STEEL BOLT
THROUGH BLACK BORDER



DETAIL C

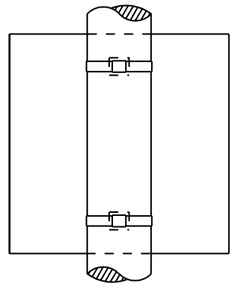


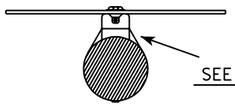


EACH SIDE OF BRACE
BANDING MAKES ONE
COMPLETE LOOP
AROUND POLE-SEAL
ON BACK OF POLE

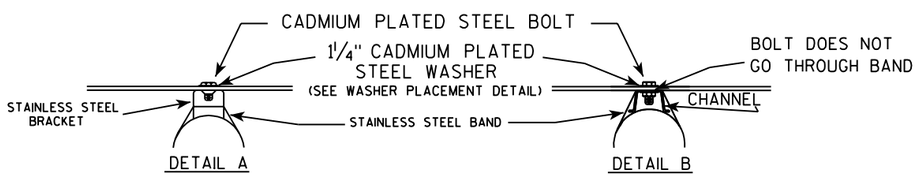
BRACKET BANDING

SINGLE SIGN





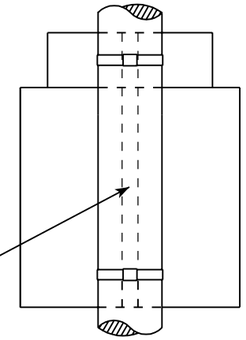
SEE DETAIL A



DETAIL A

DETAIL B

"J" ASSEMBLY

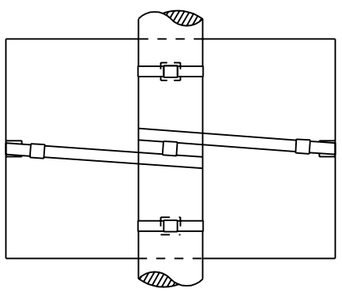


CHANNEL
SEE TYPICAL PANEL
INSTALLATION SHEET

SEE DETAIL B

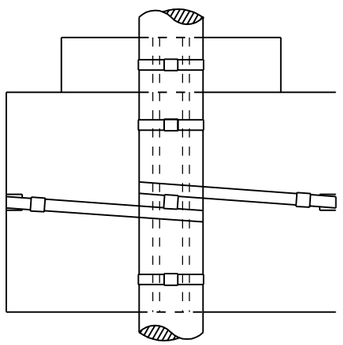
GENERAL NOTES

1. Signs 4' or greater in width shall have one brace band installed at the center of the sign.
2. Signs 3' or greater in height shall have three bracket bands installed. Signs less than 3' 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.

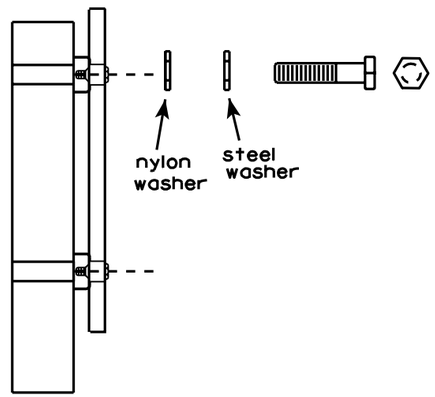


BRACE BANDING

BRACE BANDING SHALL BE TIGHTENED FIRMLY BUT NOT SO TIGHT AS TO APPRECIABLY CURVE FACE OF SIGN.



WASHER PLACEMENT



WASHERS (ALL POSTS) -
1-1/4" O.D. X 3/8" I.D. X 1/16" STEEL
1-1/4" O.D. X 3/8" I.D. X .080 NYLON
FOR ALL TYPE H SIGNS

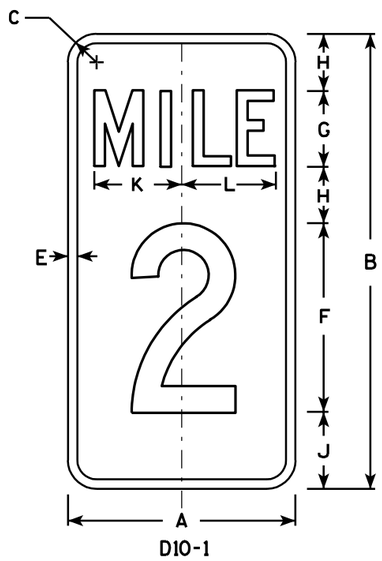
STANDARD SIGN
SIGN BANDING DETAILS

WISCONSIN DEPT OF TRANSPORTATION

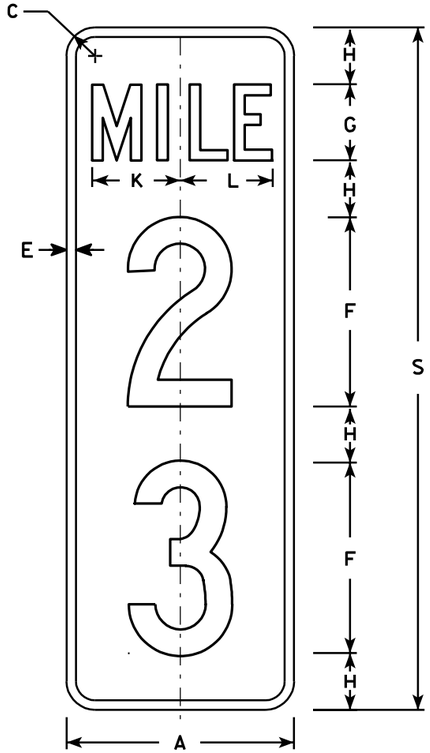
APPROVED *Matthew R Rauch*
for State Traffic Engineer

DATE 11/08/05 PLATE NO. A5-9.2

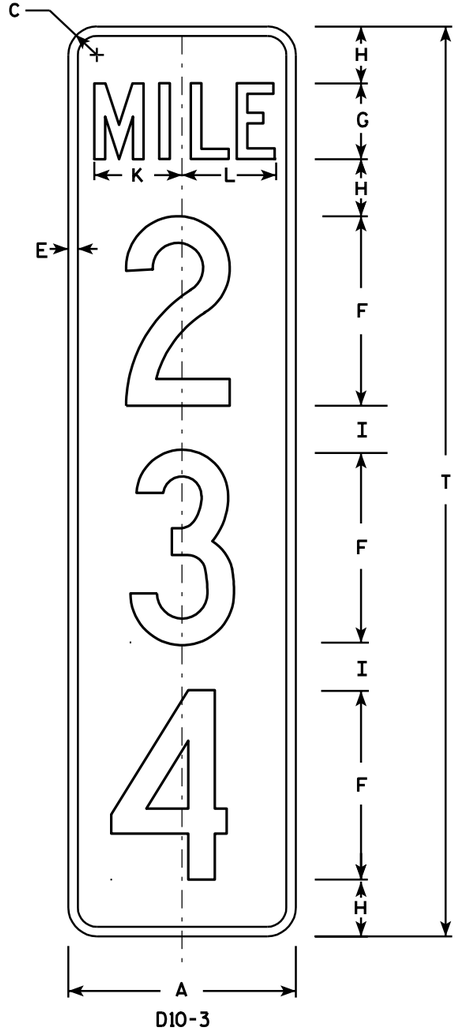
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 665	E



D10-1



D10-2



D10-3

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Green
   Message - White - Type H Reflective
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Optically adjust numerals about the centerline of the sign to achieve proper balance.

7

Metric equivalent for this sign is:

PHY. SIZE	
12 X 24	300 mm X 600 mm
12 X 36	300 mm X 900 mm
12 X 48	300 mm X 1200 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
1																										
2																										
3																										
4	12	24	1 ½		½	10	4	3	2 ½	4	4 ⅝	4 ⅞							36	48						
5	12	24	1 ½		½	10	4	3	2 ½	4	4 ⅝	4 ⅞							36	48						

D10-1	D10-2	D10-3
Area sq. ft.	Area sq. ft.	Area sq. ft.
2.0	3.0	4.0
Area m2	Area m2	Area m2
.19	.28	.38

STANDARD SIGN
D10-1 , D10-2 & D10-3

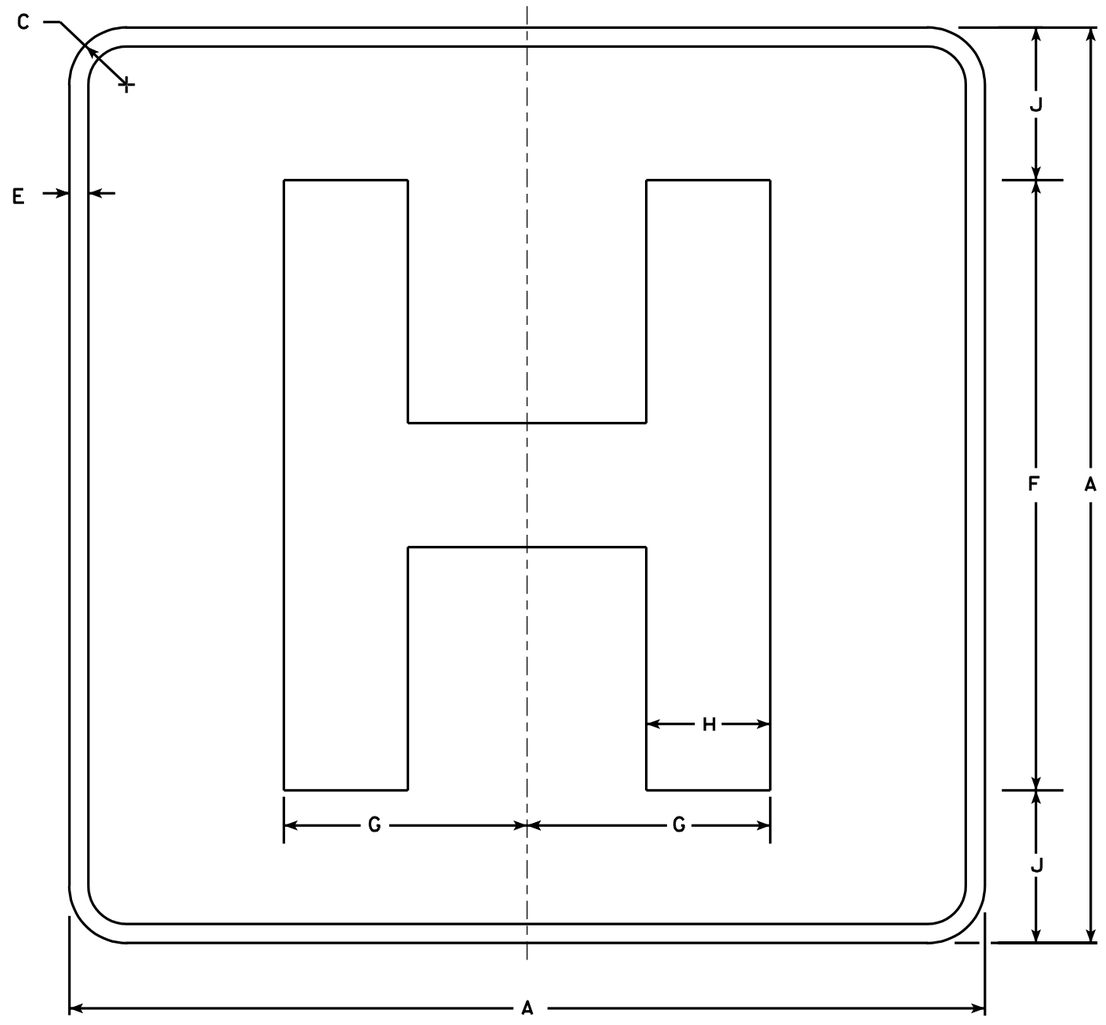
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Chester J Spang for Director, Office of Traffic

DATE 1/16/02 PLATE NO. D10-3.2

PROJECT NO:

SHEET NO: 666 E



D9-2

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Blue
   Message - White - Type H Reflective
3. Message Series - E Modified
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

Metric equivalent for this sign is:

SIZE	
1	450 mmX 450 mm
2	600 mmX 600 mm
3	900 mmX 900 mm
4	X
5	X

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	18		1 1/8		1/2	12	4 3/4	2 3/8		3																	4.0
2	24		1 1/2		1/2	16	6 3/8	3 1/4		4																	4.0
3	36		2 1/4		3/4	24	9 1/2	4 7/8		6																	9.0
4																											
5																											

STANDARD SIGN
D9-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Chester J Spong
for State Traffic Engineer

DATE 1/15/02 PLATE NO. D9-2.4

PROJECT NO:

SHEET NO: 667 E

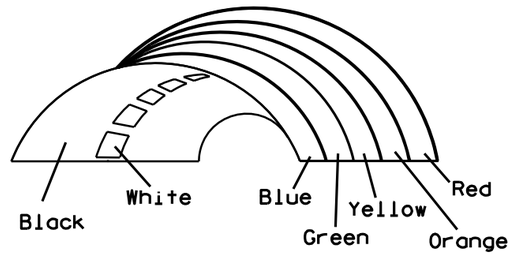


* VARIES

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - (See Note 5)
3. Message Series - (See Note 6)
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Border - Blue
   Line 1 - Red
   Line 2 - Black
   Line 3-5 - Blue
6. Line 1 - Dutch 8011L
   Line 2 - Series E
   Line 3-5 - Series C
7. Contractor shall provide and install a new post bracket in accordance with the I55-56B sign detail.

Background Colors of Symbol*



*1/4" Black Border between each color of rainbow and border of rainbow

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	30	36	1 1/2	1/2	5/8	3	2	3 1/2	2 7/8	1	8	2 1/8	11 1/4	11 1/8	9 3/8	1 1/4		3/4	12 5/8	7 1/2							7.5
3																											
4																											
5																											

STANDARD SIGN
I55-56

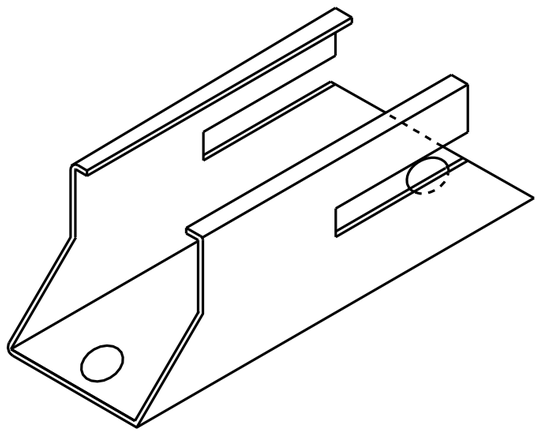
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 4/27/11 PLATE NO. 155-56.3

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 668

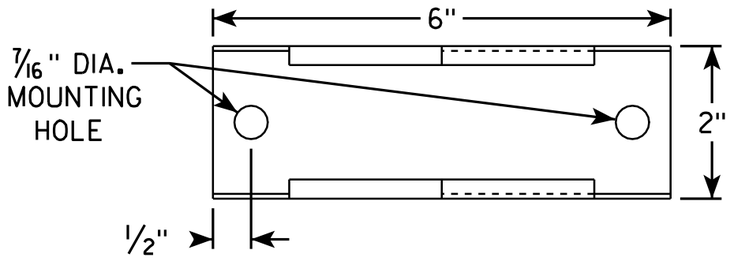
ISOMETRIC VIEW



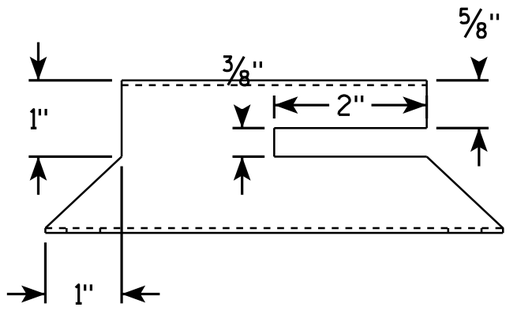
NOTES

1. Must be capable of permanent attachment to a wood or steel channel sign post utilizing the fastening hardware specified on the A4-8 sign plate.
2. Shall be entirely primed and painted with two coats of a black powder coated enamel paint.
3. Shall be made with 12 gauge steel, and incorporate no welds, no hinged components, no threaded lock-type components, and no parts which are loose or can be separated from the main body.
4. Shall have rounded edges with at least 1/8" radii.
5. Shall not have unrounded and uncoated metal edges which can contact the back surface of the roll-up sign.
6. Top of bracket shall be mounted 2' below the bottom of the I55-56 sign.
7. Cost of bracket and fastening hardware shall be incidental to the I55-56 sign.

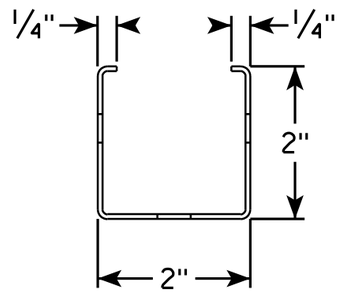
TOP VIEW



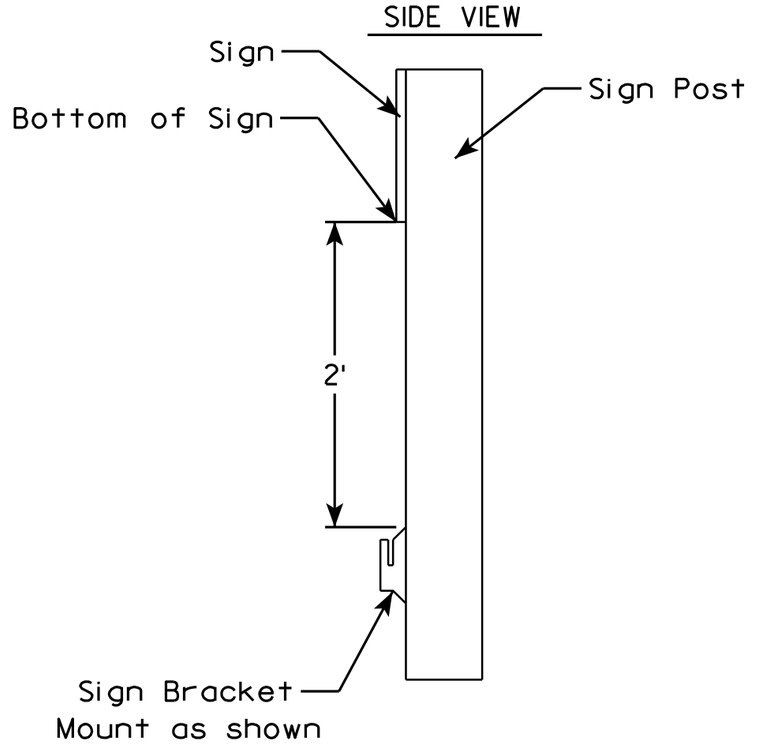
SIDE VIEW



END VIEW



SIDE VIEW



7

7

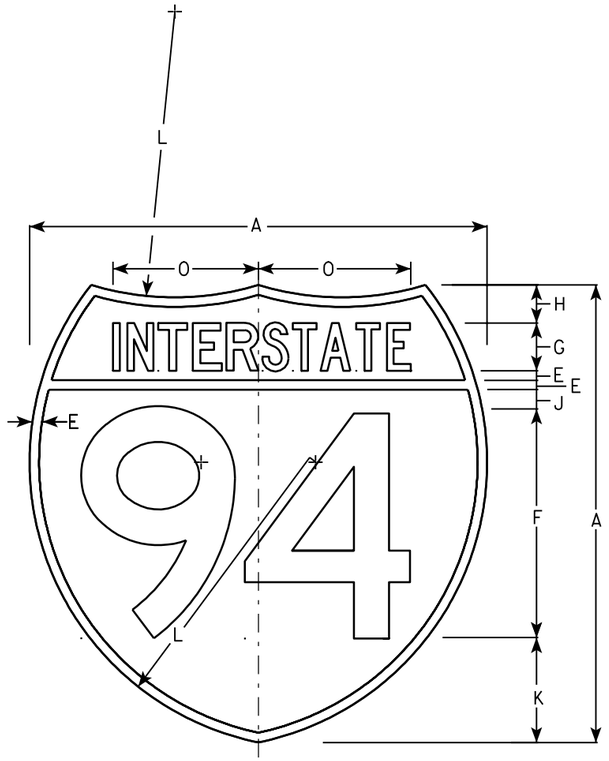
ROLLUP SIGN BRACKET I55-56B

WISCONSIN DEPT OF TRANSPORTATION

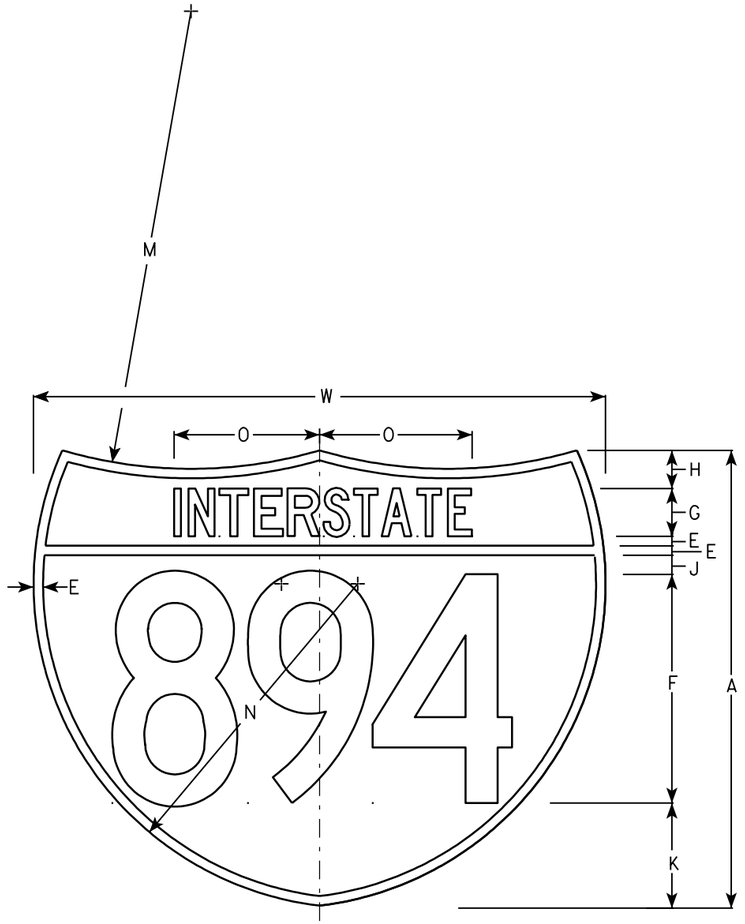
APPROVED Matthew R Rauch for State Traffic Engineer

DATE 2/5/10 PLATE NO. I55-56B.1

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 669	E



M1-1



M1-1A

NOTES

1. Sign is Type II - See Note 6 - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Top Red - Bottom Blue (See Note 6)
   Message - White - See Note 6
3. Message Series - See note 5
4. Substitute appropriate numerals & ajust spacing as per plate A10-1.
5. M1-1 - Numerals - D
   Interstate - C
   M1-1A - All copy - C
6. Permanent Signs
   Message - Type H Reflective
   Detour or other temporary signs
   Background - Reflective
   Message - Reflective

Metric equivalent for these signs are:

SIZE	M1-1	SIZE	M1-1A
1			
2	600 mm X 600 mm	2	600 mm X 750 mm
3	900 mm X 900 mm	3	900 mm X 1125 mm
4	900 mm X 900 mm	4	900 mm X 1125 mm
5	900 mm X 900 mm	5	900 mm X 1125 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	M1-1 Area sq. ft.	M1-1A Area sq. ft.	M1-1 Area m2	M1-1A Area m2
1																													
2	24				1/2	12	2 1/2	2		1	5 1/2	15	24	17	7 7/8								30			3.13	3.91	.36	.46
3	36				3/4	18	3 3/4	3		1 1/2	8 1/4	22 1/2	36	25 1/2	11 3/4								45			7.03	8.79	.81	1.05
4	36				3/4	18	3 3/4	3		1 1/2	8 1/4	22 1/2	36	25 1/2	11 3/4								45			7.03	8.79	.81	1.05
5	36				3/4	18	3 3/4	3		1 1/2	8 1/4	22 1/2	36	25 1/2	11 3/4								45			7.03	8.79	.81	1.05

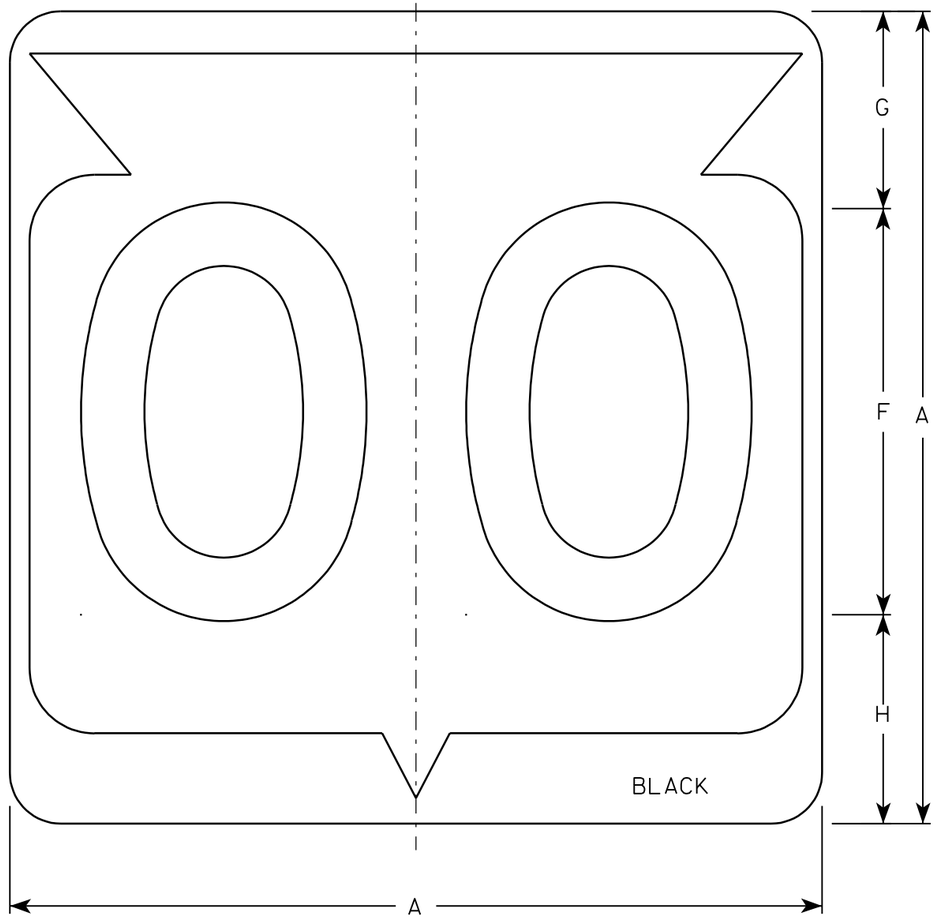
INTERSTATE ROUTE MARKER
M1-1 FOR ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 08/23/05 PLATE NO. M1-1.8

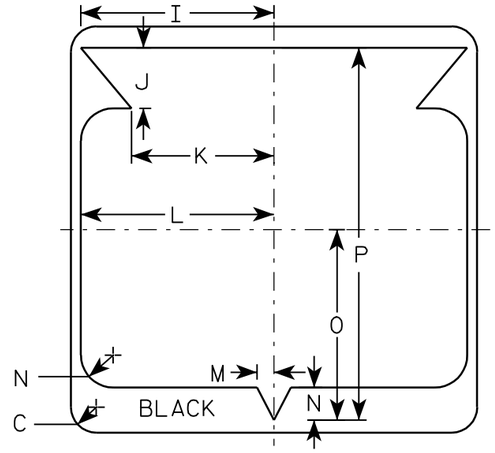
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 670	E



M1-6

NOTES

1. Sign is Type II - See Note 6 - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White & Black - See Note 6
   Message - Black
3. Message Series - See note 5
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Substitute appropriate Series numerals and adjust spacing as per plate A10-1.
6. Permanent Signs
   Background - Type H Reflective
   Detour or temporary Signs
   Background - Reflective



Metric equivalent for this sign is:

SIZE	
1	
2	600 mm X 600 mm
3	900 mm X 900 mm
4	900 mm X 900 mm
5	900 mm X 900 mm

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.	Area m2
1																												
2	24		1 1/2			12	5 1/2	6 1/2	10 1/4	2 1/2	8 7/8	11 1/2	1	1 7/8	11 1/4	21 7/8											4.0	.36
3	36		2 1/4			18	8 3/4	9 1/4	15 3/8	5 3/8	12 5/8	17 1/8	1 1/2	2 7/8	16 7/8	33											9.0	.81
4	36		2 1/4			18	8 3/4	9 1/4	15 3/8	5 3/8	12 5/8	17 1/8	1 1/2	2 7/8	16 7/8	33											9.0	.81
5	36		2 1/4			18	8 3/4	9 1/4	15 3/8	5 3/8	12 5/8	17 1/8	1 1/2	2 7/8	16 7/8	33											9.0	.81

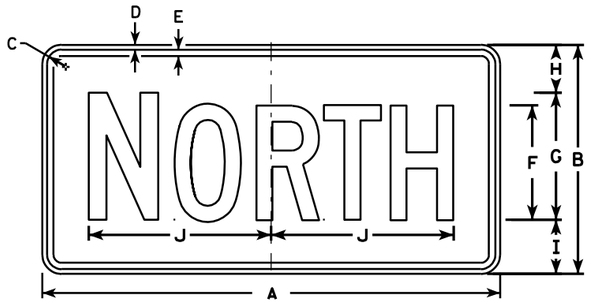
STATE ROUTE MARKER M1-6 FOR ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

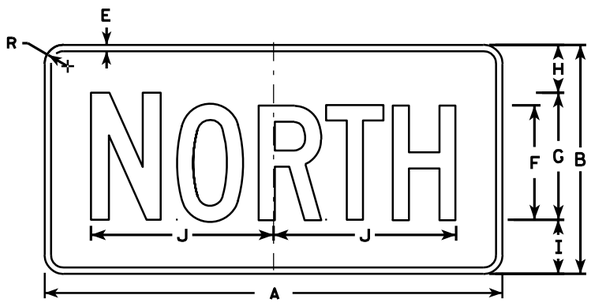
APPROVED Chester J Spang for State Traffic Engineer

DATE 3/20/02 PLATE NO. M1-6.9

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 671	E



M3-1
MK3-1
MO3-1



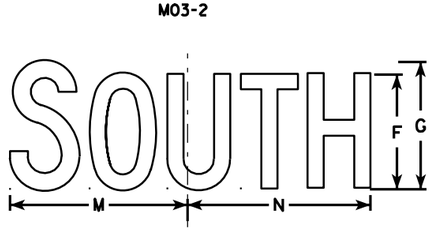
MB3-1
MG3-1
MM3-1
MN3-1



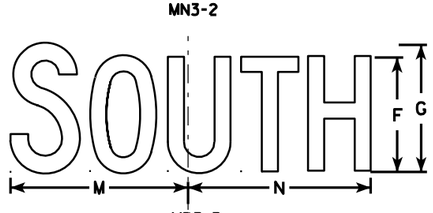
M3-2
MK3-2
MO3-2



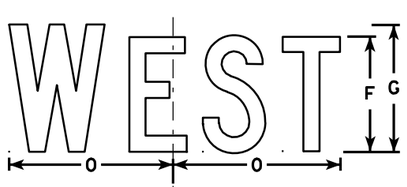
MB3-2
MG3-2
MM3-2
MN3-2



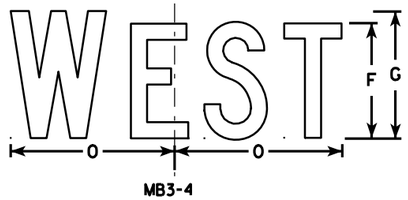
M3-3
MK3-3
MO3-3



MB3-3
MG3-3
MM3-3
MN3-3



M3-4
MK3-4
MO3-4



MB3-4
MG3-4
MM3-4
MN3-4

NOTES

1. All Signs Type II - See Note 5 - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - See note 5
   Message - See note 5
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. M3-1 thru M3-4 Background - White - Type H Reflective
   (Detour or temporary signs - Reflective)
   Message - Black
   MB3-1 thru MB3-4 Background - Blue
   Message - White - Type H Reflective
   (Detour or temporary signs - Reflective)
   MG3-1 thru MG3-4 Background - Green
   Message - White - Type H Reflective
   MK3-1 thru MK3-4 Background - Green
   Message - White - Type H Reflective
   MM3-1 thru MM3-4 Background - White - Type H Reflective
   Message - Green
   MN3-1 thru MN3-4 Background - Brown
   Message - White - Type H Reflective
   M03-1 thru M03-4 Background - Orange - Reflective
   Message - Black
6. Note the first letter of each direction is larger than the remainder of the message.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	24	12	1 1/8	3/8	3/8	6	7	2 1/4	2 3/4	10 1/4	7 7/8	8 3/8	10 1/4	9 3/4	8 3/4			1 1/2									2.00
3	36	18	1 1/8	3/8	1/2	9	10	3 3/4	4 1/4	14 3/8	12	12 1/8	14	14 1/8	13			1 1/2									4.5
4	36	18	1 1/8	3/8	1/2	9	10	3 3/4	4 1/4	14 3/8	12	12 1/8	14	14 1/8	13			1 1/2									4.5
5	36	18	1 1/8	3/8	1/2	9	10	3 3/4	4 1/4	14 3/8	12	12 1/8	14	14 1/8	13			1 1/2									4.5

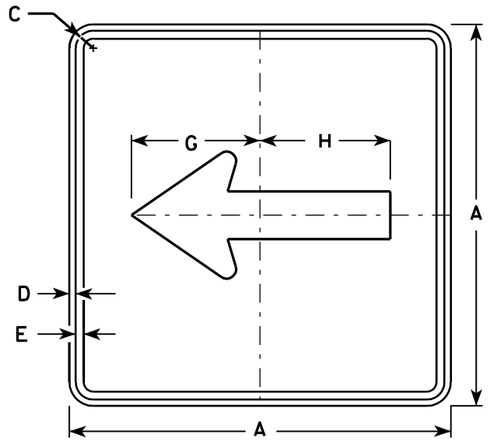
STANDARD SIGNS
M3-1 thur M3-4
SERIES

WISCONSIN DEPT OF TRANSPORTATION

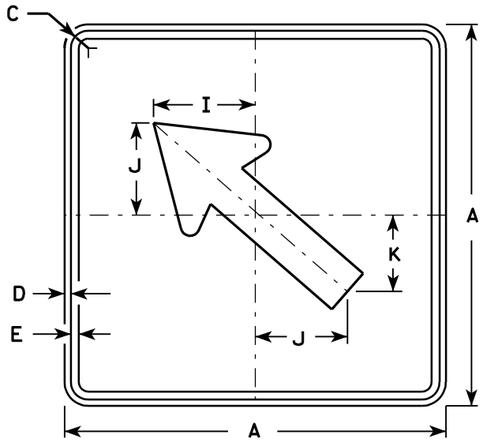
APPROVED Matthew R Rauch for State Traffic Engineer

DATE 11/10/10 PLATE NO. M3-1.12

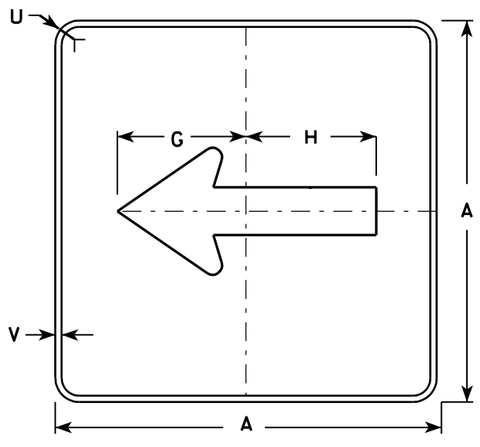
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 672	E



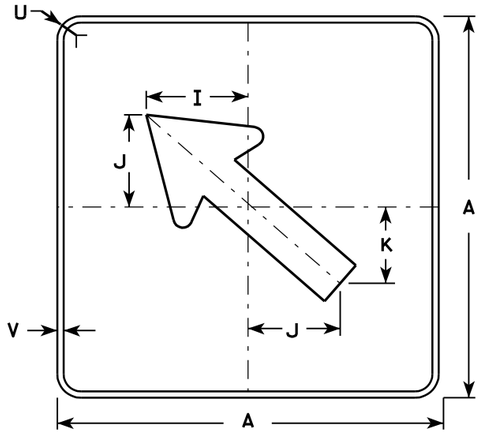
M6-1
MK6-1
MM6-1
MO6-1
MR6-1



M6-2
MK6-2
MM6-2
MO6-2
MR6-2



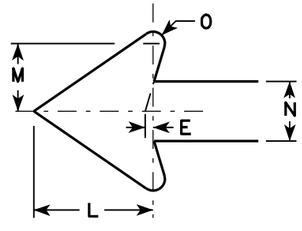
MB6-1
MG6-1
MN6-1



MB6-2
MG6-2
MN6-2

NOTES

1. Signs are Type II - See Note 4 - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - See note 4
   Message - See note 4
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. M6-1 and M6-2 Background - White - Type H Reflective (Detour or temporary Signs - Reflective) Message - Black
   MB6-1 and MB6-2 Background - Blue Message - White - Type H Reflective (Detour or temporary Signs - Reflective)
   MG6-1 and MG6-2 Background - Green Message - White - Type H Reflective
   MK6-1 and MK6-2 Background - Green Message - White - Type H Reflective
   MM6-1 and MM6-2 Background - White - Type H Reflective Message - Green
   MN6-1 and MN6-2 Background - Brown Message - White - Type H Reflective
   MO6-1 and MO6-2 Background - Orange - Reflective Message - Black
   MR6-1 and MR6-2 Background - Brown Message - Yellow - Type H Reflective



Metric equivalent for this sign is:

SIZE	
1	
2	525 mm X 525 mm
3	750 mm X 750 mm
4	750 mm X 750 mm
5	750 mm X 750 mm

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.	Area m2
1																												
2	21		1 1/8	3/8	3/8		7 1/2	7 1/8	5 5/8	5	4 1/4	5 1/4	3	2 5/8	1/2						1 1/2	1/2					3.06	0.28
3	30		1 3/8	1/2	5/8		10 3/4	10 1/4	8	7 1/4	6	7 1/2	4 1/4	3 3/4	3/4						1 7/8	1/2					6.25	0.56
4	30		1 3/8	1/2	5/8		10 3/4	10 1/4	8	7 1/4	6	7 1/2	4 1/4	3 3/4	3/4						1 7/8	1/2					6.25	0.56
5	30		1 3/8	1/2	5/8		10 3/4	10 1/4	8	7 1/4	6	7 1/2	4 1/4	3 3/4	3/4						1 7/8	1/2					6.25	0.56

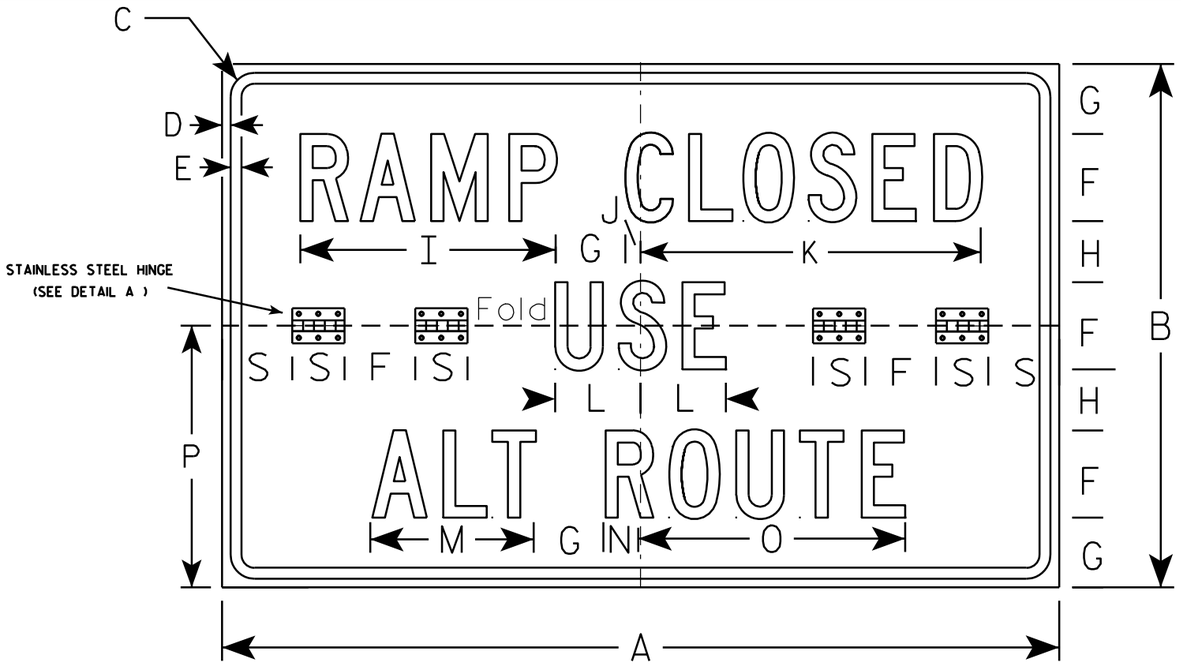
STANDARD SIGN M6-1 & M6-2 SERIES

WISCONSIN DEPT OF TRANSPORTATION

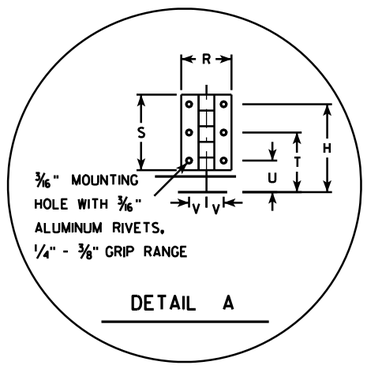
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/16/10 PLATE NO. M6-1.12

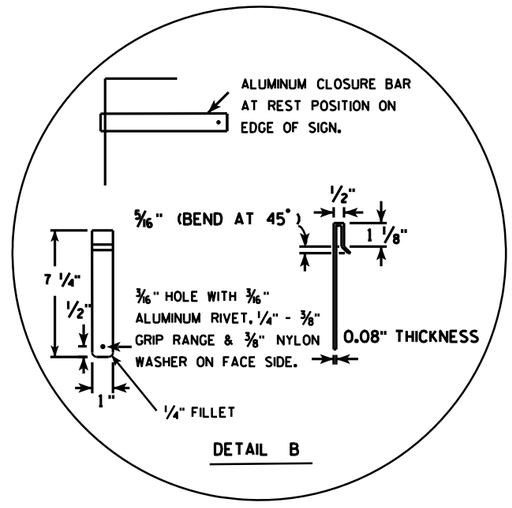
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 673	E



R11-54F



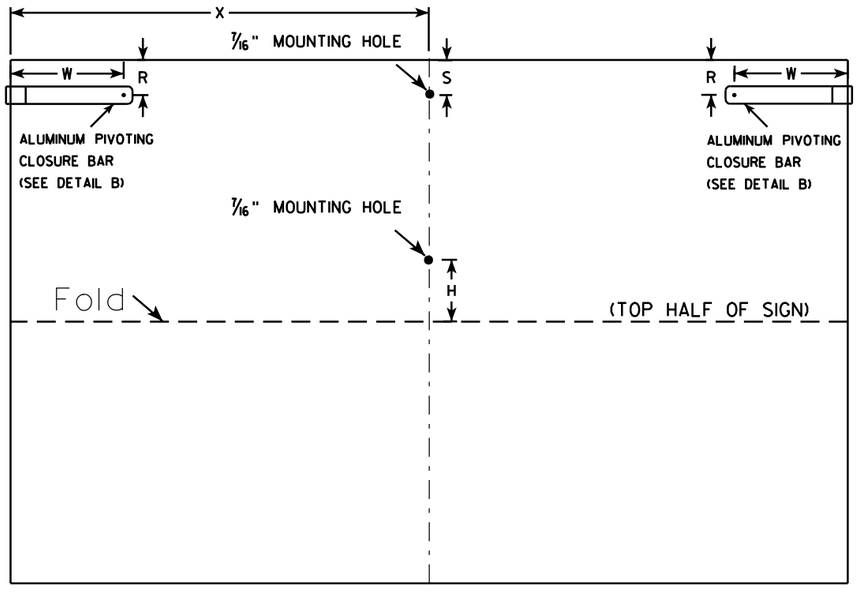
DETAIL A



DETAIL B

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - WHITE
   Message - BLACK
3. Message Series - C
4. Sign Base Material shall be aluminum corners and borders shall be rounded.
5. All hardware used on the folding sign installation shall conform to 637.2.4 of the WIS DOT Standard Specification.



(BACK VIEW)

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	5	4	3 1/2	14 5/8	7/8	19 1/2	4 7/8	9 3/8	2	15 1/4	15		2	3	2 5/8	1 1/4	11/16	6 1/2	24			10.0
2M	48	30	1 3/8	1/2	5/8	5	4	3 1/2	14 5/8	7/8	19 1/2	4 7/8	9 3/8	2	15 1/4	15		2	3	2 5/8	1 1/4	11/16	6 1/2	24			10.0
3																											
4																											
5																											

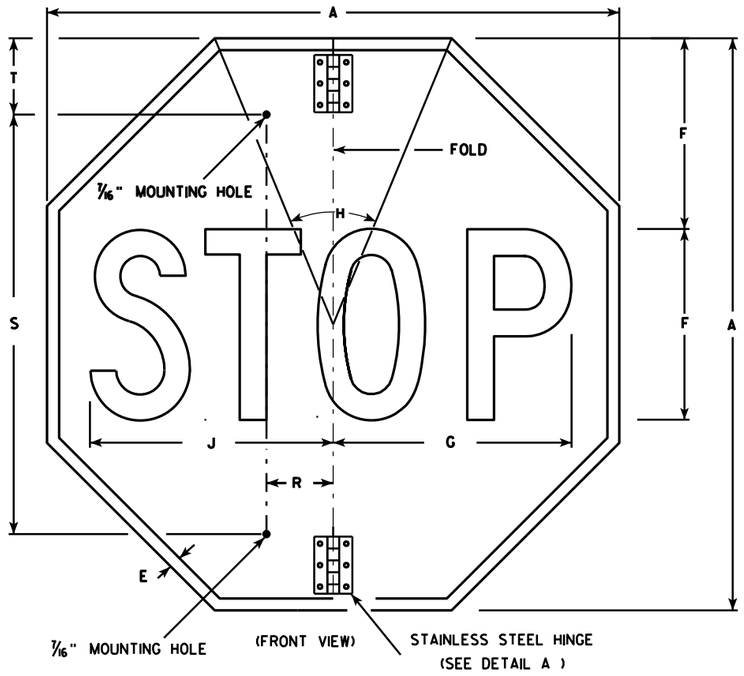
STANDARD SIGN
R11-54F

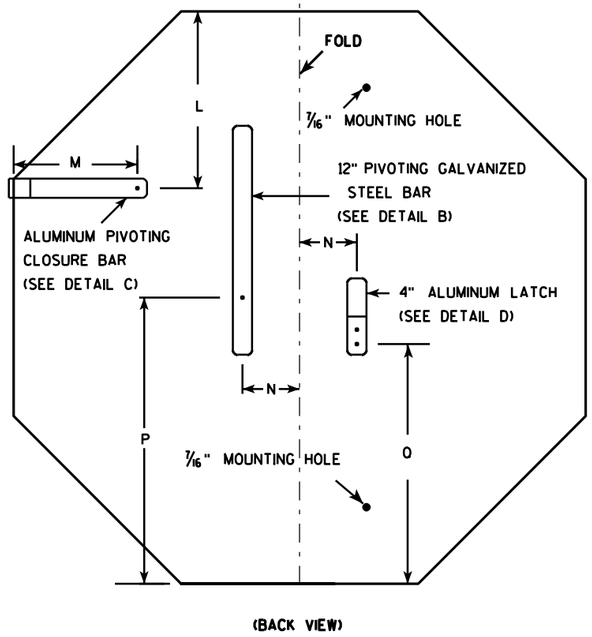
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 4/1/11 PLATE NO. R11-54F.2

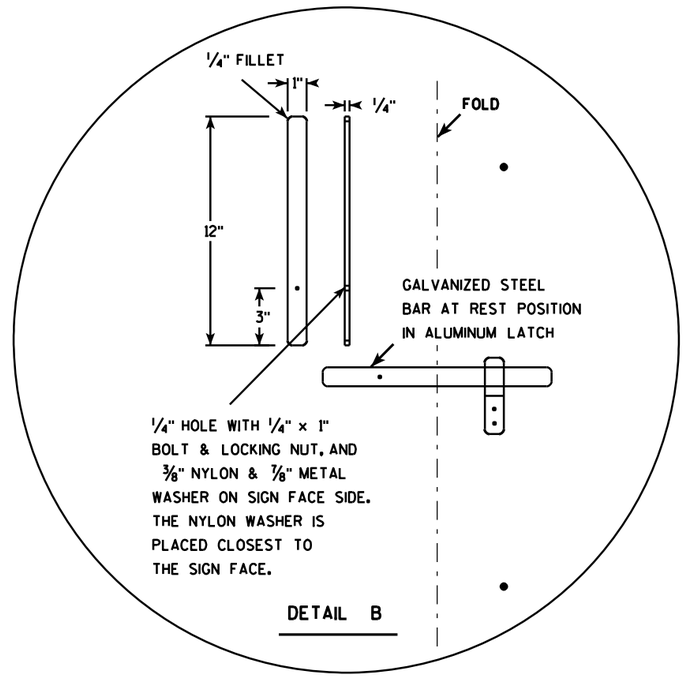
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 674	E

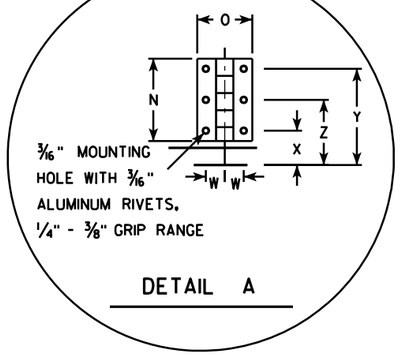


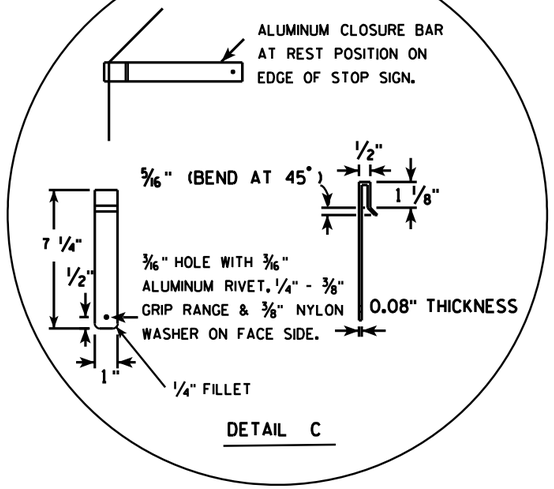


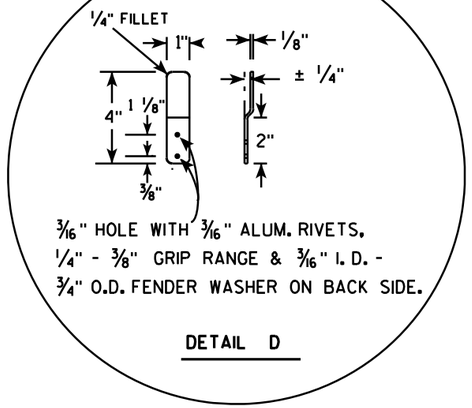
NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Red
   Message - White
3. Message Series - C
4. All hardware used on the folding STOP sign installation shall conform to 637.2.4 of the WIS DOT Standard Specification.









SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	O	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30				5/8	10	12 1/2	45		12 3/4		9 1/4	6 1/2	3	2	15	12 3/8	2 1/2	22	5			11/16	1 1/4	3 1/2	2 3/8	5.18
2M	36				3/4	12	15	45		15 3/8		11	6 1/2	3	2	18	15 3/8	2 1/2	26	5			11/16	1 1/4	3 1/2	2 3/8	7.46
3	36				3/4	12	15	45		15 3/8		11	6 1/2	3	2	18	15 3/8	2 1/2	26	5			11/16	1 1/4	3 1/2	2 3/8	7.46
4																											
5																											

STANDARD SIGN
R1-1F

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/03/10 PLATE NO. R1-1F.3

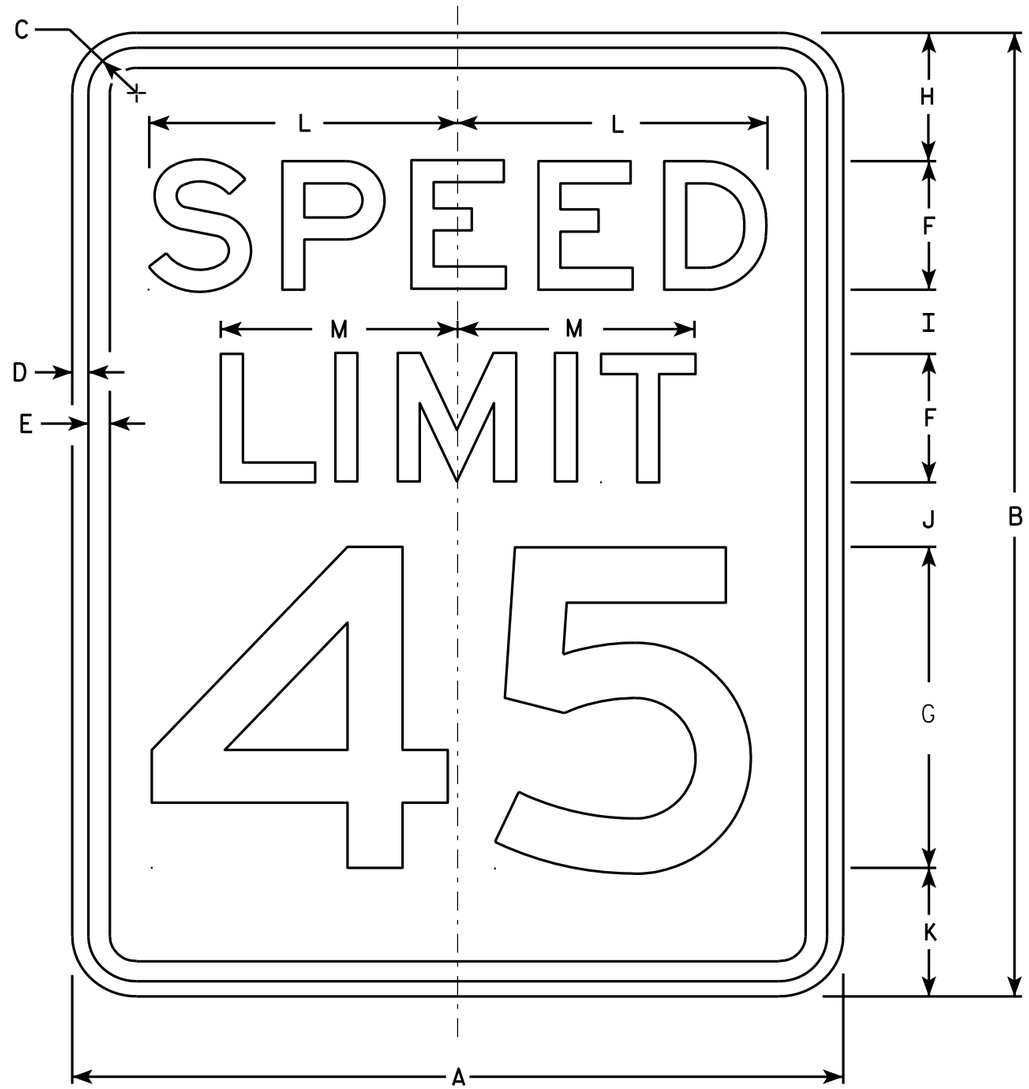
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 675 | E

FILE NAME : C:\Users\PROJECTS\tr_stdplate\R11F.DGN PLOT DATE : 02-DEC-2010 15:26 PLOT BY : dotsja PLOT NAME : PLOT SCALE : 7.945391:1.000000

WISDOT/CADDS SHEET 42

7

7



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

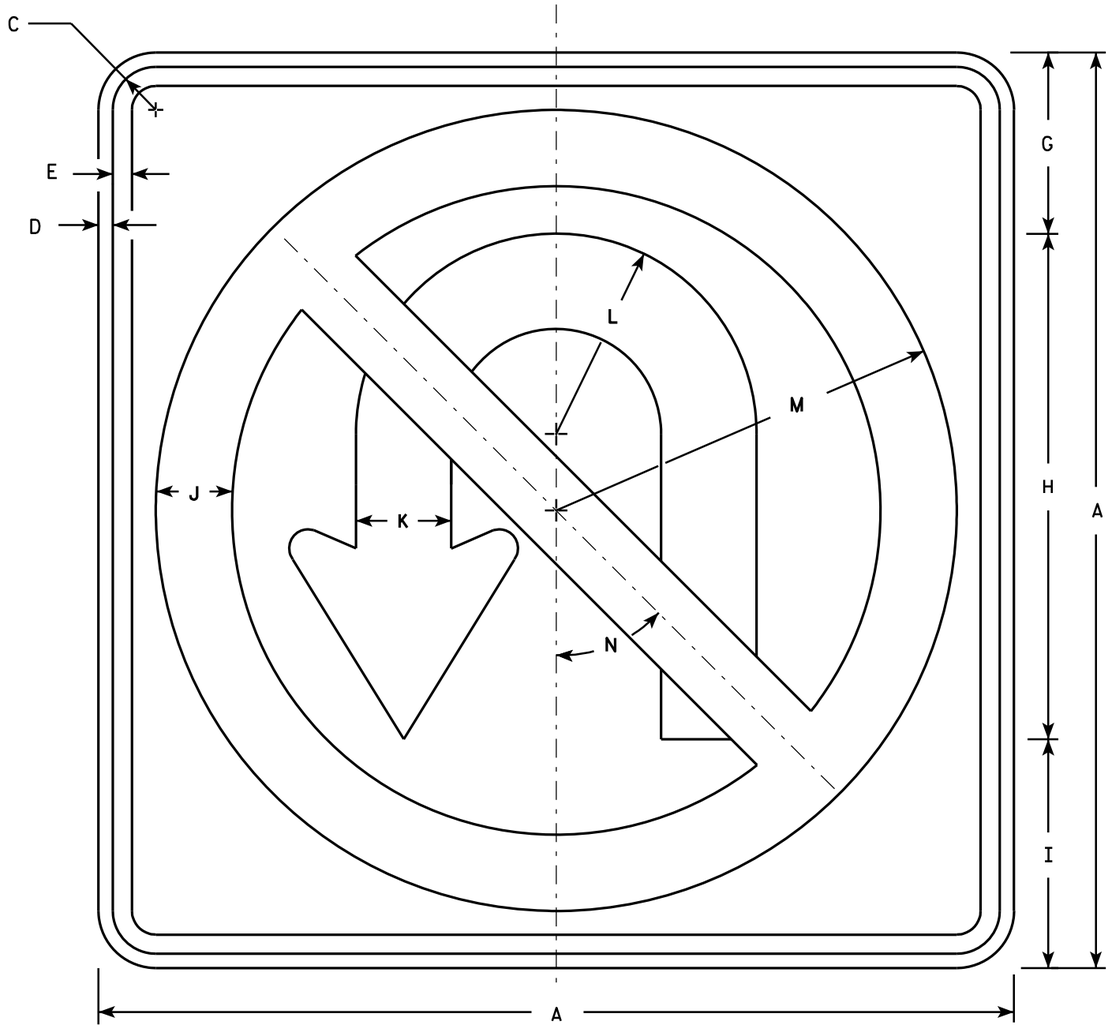
STANDARD SIGN
R2-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/26/10 PLATE NO. R2-1.13

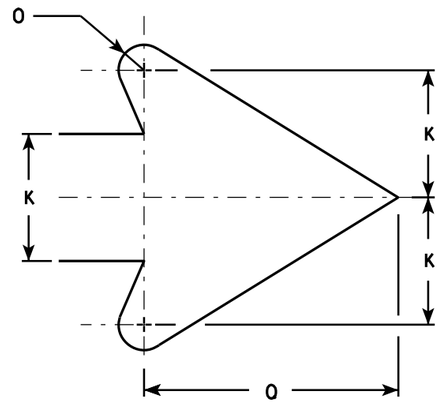
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 676 | E



R3-4

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - See note 4
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. Border & Arrow are non reflective black, the circle with diagonal bar is reflective red.



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24		1 1/8	3/8	1/2		4 3/4	13 1/4	6	2	2 1/2	5 1/4	10 1/2	45°	1/2		5										4.0
2M	36		1 5/8	5/8	3/4		7 1/8	19 7/8	9	3	3 3/4	7 7/8	15 3/4	45°	3/4		7 5/8										9.0
3	36		1 5/8	5/8	3/4		7 1/8	19 7/8	9	3	3 3/4	7 7/8	15 3/4	45°	3/4		7 5/8										9.0
4	36		1 5/8	5/8	3/4		7 1/8	19 7/8	9	3	3 3/4	7 7/8	15 3/4	45°	3/4		7 5/8										9.0
5	36		1 5/8	5/8	3/4		7 1/8	19 7/8	9	3	3 3/4	7 7/8	15 3/4	45°	3/4		7 5/8										9.0

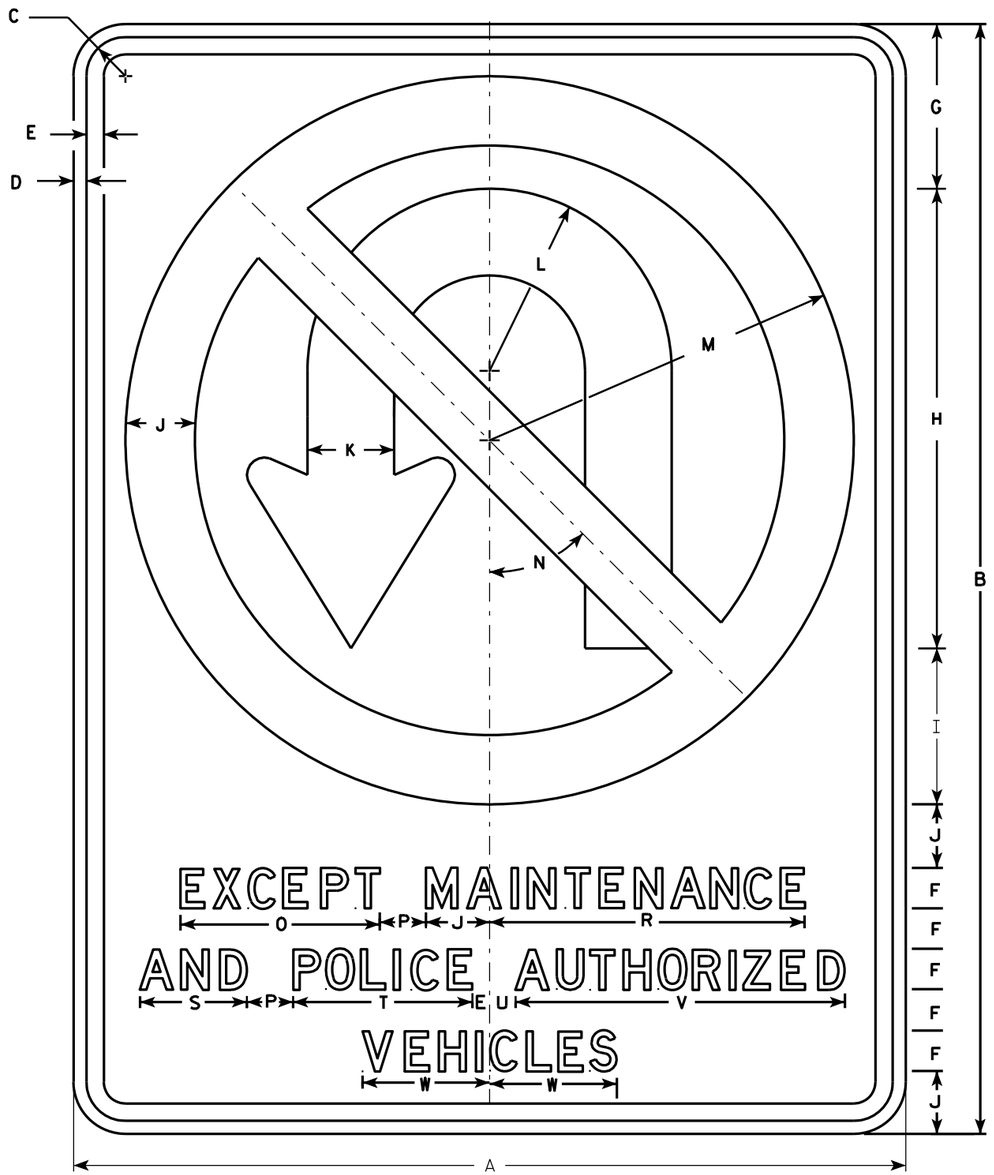
STANDARD SIGN
R3-4

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/08/10 PLATE NO. R3-4.11

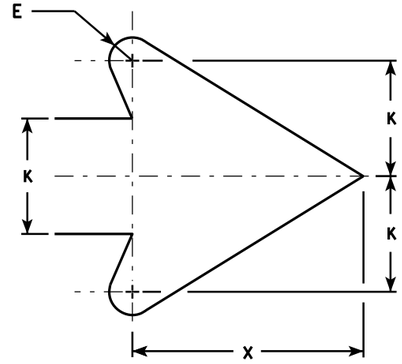
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 677	E



R3-4B

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - See note 4
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. Border & Arrow are non reflective black, the circle with diagonal bar is reflective red.



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S																											
2M																											
3																											
4	36	48	1 5/8	5/8	3/4	1 3/4	7 1/8	19 7/8	6 3/4	2 3/4	3 3/4	7 7/8	15 3/4	45°	8 5/8	2		13 5/8	4 5/8	7 3/4	1 1/8	14 1/4	5 1/2	7 5/8			12.0
5	36	48	1 5/8	5/8	3/4	1 3/4	7 1/8	19 7/8	6 3/4	2 3/4	3 3/4	7 7/8	15 3/4	45°	8 5/8	2		13 5/8	4 5/8	7 3/4	1 1/8	14 1/4	5 1/2	7 5/8			12.0

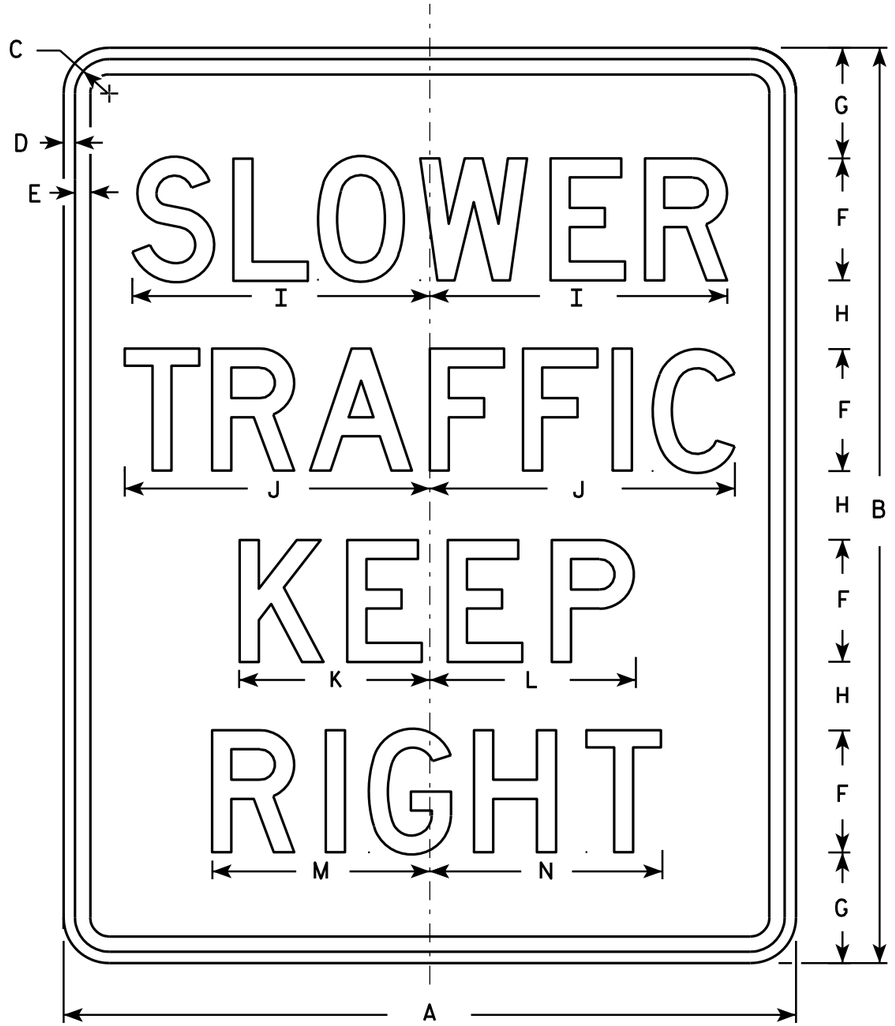
STANDARD SIGN
R3-4B

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/17/2011 PLATE NO. R3-4B.2

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 678	E



R4-3

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

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 3/4	10	6 1/4	6 3/4	7 1/8	7 5/8													5.0
2M	24	30	1 1/8	3/8	1/2	4	3 5/8	2 1/4	9 3/4	10	6 1/4	6 3/4	7 1/8	7 5/8													5.0
3	36	48	1 5/8	5/8	3/4	6	6	4	14 5/8	15	9 3/8	10	10 3/4	11 3/8													12.0
4	36	48	1 5/8	5/8	3/4	6	6	4	14 5/8	15	9 3/8	10	10 3/4	11 3/8													12.0
5	48	60	2 1/4	3/4	1	8	7 1/4	4 1/2	19 1/2	20	12 1/2	13 1/2	14 1/4	15 1/4													20.0

STANDARD SIGN
R4-3

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/25/2011 PLATE NO. R4-3.8

PROJECT NO:

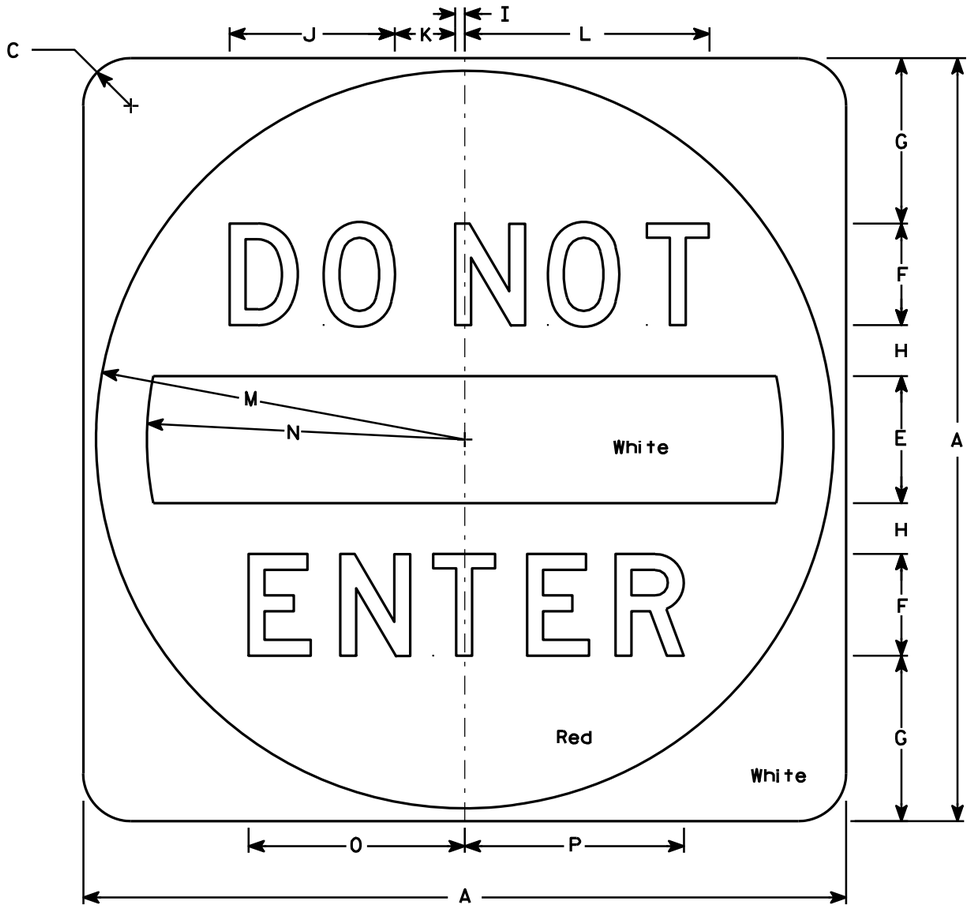
SHEET NO: 679 E

FILE NAME : C:\Users\PROJECTS\tr_stdplate\R43.DGN PLOT DATE : 25-MAR-2011 13:40 PLOT BY : mscsja

WISDOT/CADDS SHEET 42

7

7



R5-1

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - See detail
   Message - White - Type H Reflective
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but when base material is metal, the cornors shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30		1 7/8		5	4	6 1/2	2	3/8	6 1/2	2 3/8	9 5/8	14 1/2	12 1/2	8 1/2	8 5/8											6.26
2M	36		2 1/4		6	5	7 1/2	2 1/2	1/2	8 1/8	3	12 1/8	17 1/2	15	10 5/8	10 3/4											9.0
3	36		2 1/4		6	5	7 1/2	2 1/2	1/2	8 1/8	3	12 1/8	17 1/2	15	10 5/8	10 3/4											9.0
4	36		2 1/4		6	5	7 1/2	2 1/2	1/2	8 1/8	3	12 1/8	17 1/2	15	10 5/8	10 3/4											9.0
5	48		3		8	6	11	3	5/8	9 3/4	3 5/8	14 1/2	23 1/2	20	12 3/4	12 7/8											16.0

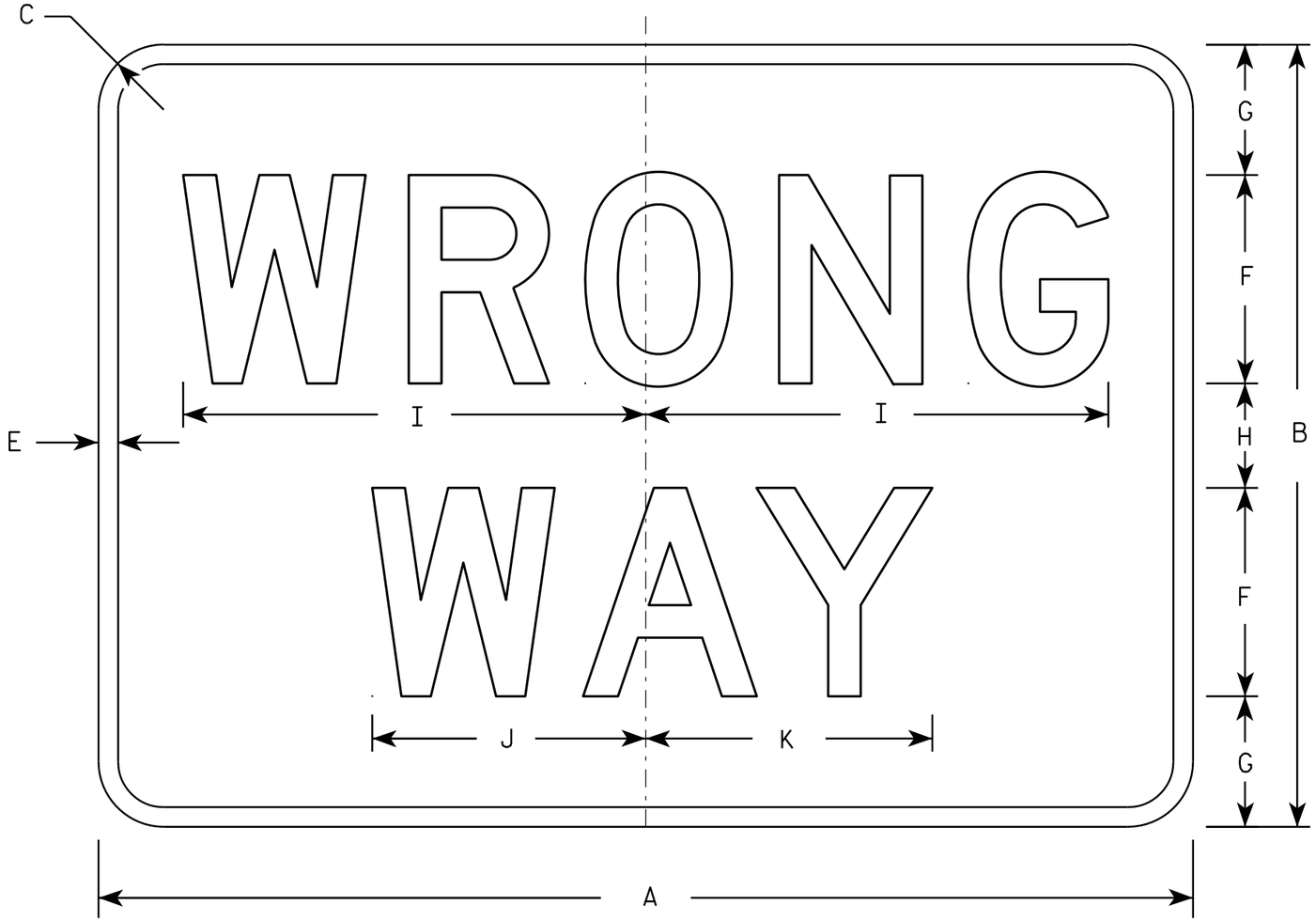
STANDARD SIGN
R5-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/17/10 PLATE NO. R5-1.15

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 680 | E



R5-1A

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Red
   Message - White
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	30	18	1 1/2		1/2	5	3	2	11	6 1/2	6 7/8																3.75
2S	36	24	2		5/8	6	4 1/2	3	13 1/4	7 7/8	8 1/4																6.00
2M	42	30	2 1/2		3/4	8	5	4	17 3/4	10 1/2	11																8.75
3	42	30	2 1/2		3/4	8	5	4	17 3/4	10 1/2	11																8.75
4	42	30	2 1/2		3/4	8	5	4	17 3/4	10 1/2	11																8.75
5	42	30	2 1/2		3/4	8	5	4	17 3/4	10 1/2	11																8.75

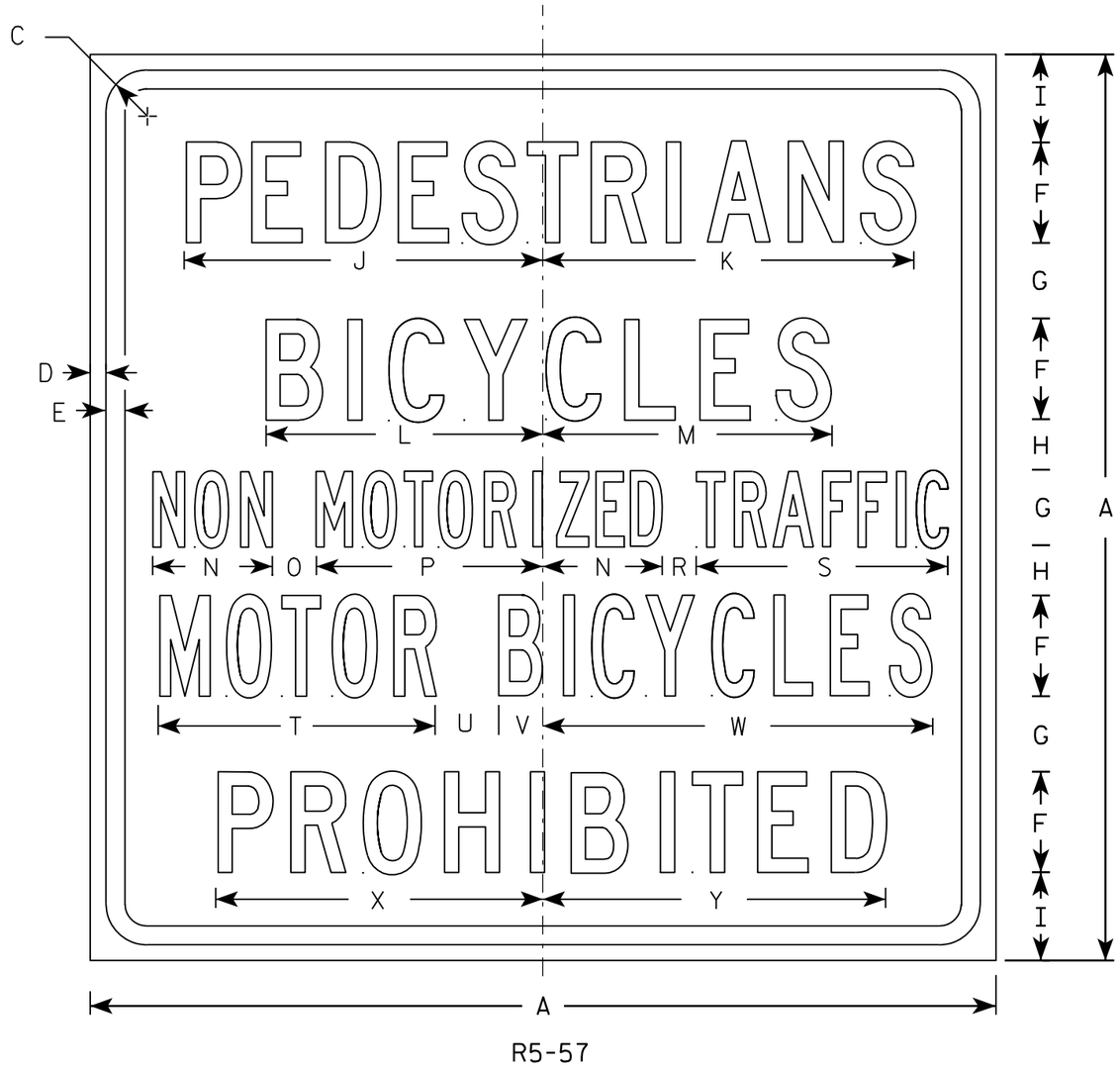
STANDARD SIGN
R5-1A

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/17/10 PLATE NO. R5-1A.2

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 681	E



R5-57

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 - Lines 1, 2, and 5 are Series C.
   Lines 3 and 4 are Series B.
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S																											
2M																											
3																											
4	36		1 5/8	5/8	3/4	4	3	2	3 1/2	14 1/4	14 7/8	11	11 1/2	4 3/4	1 3/4	9		1 3/8	10	11	2 1/2	1 3/4	15 1/2	13	13 5/8		9.0
5	36		1 5/8	5/8	3/4	4	3	2	3 1/2	14 1/4	14 7/8	11	11 1/2	4 3/4	1 3/4	9		1 3/8	10	11	2 1/2	1 3/4	15 1/2	13	13 5/8		9.0

STANDARD SIGN
R5-57

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/29/2011 PLATE NO. R5-57.10

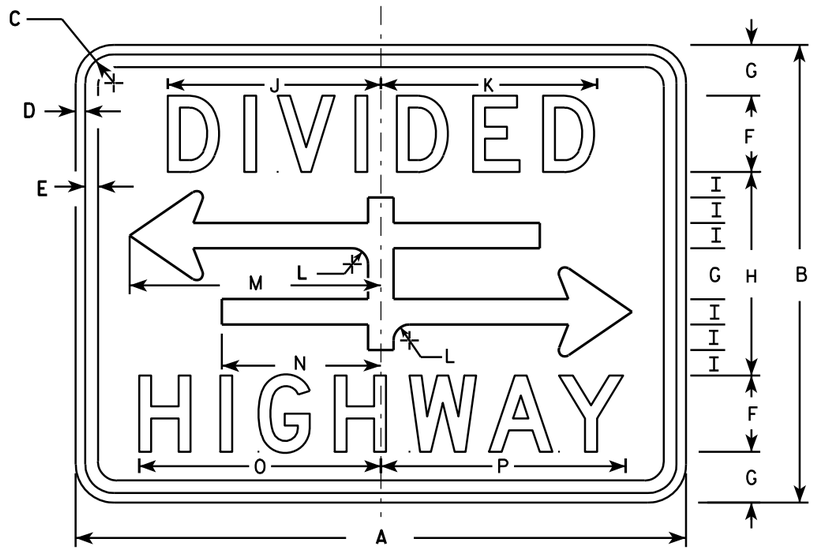
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 682 | E

FILE NAME : C:\Users\PROJECTS\tr_stdplate\R557.DGN PLOT DATE : 29-MAR-2011 14:38 PLOT BY : mscsja PLOT NAME : PLOT SCALE : 5.959043:1.000000

WISDOT/CADDS SHEET 42

7

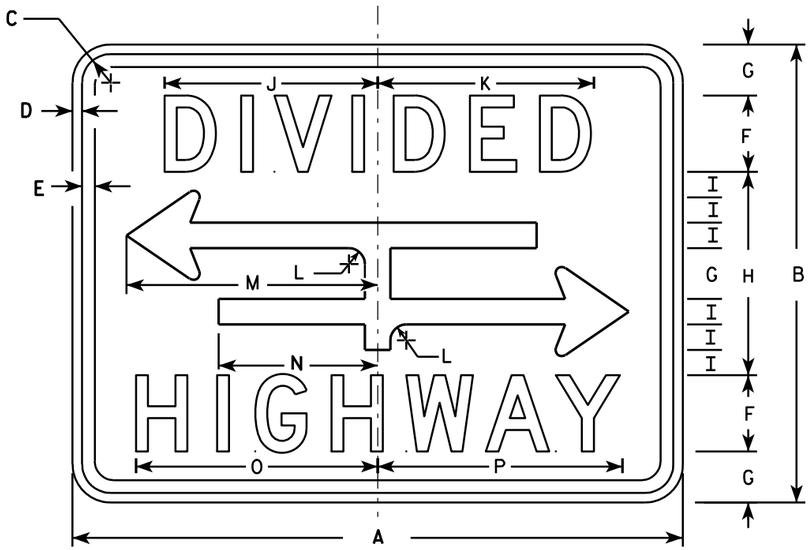
7



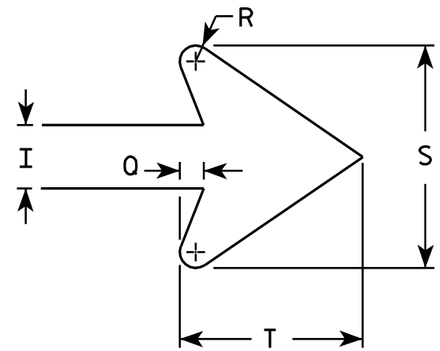
R6-3

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.



R6-3A



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	24	18	1 1/8	3/8	3/8	3	2	8	1	8 3/8	8 1/2	5/8	9 7/8	6 1/4	9 1/2	9 5/8	3/8	1/4	3 1/2	2 3/4							3.0
2S	30	24	1 1/8	3/8	1/2	4	2 5/8	10 3/4	1 3/8	10 1/2	10 5/8	7/8	12 1/2	7 7/8	12 1/4	12 3/8	1/2	3/8	4 5/8	3 5/8							5.0
2M	30	24	1 1/8	3/8	1/2	4	2 5/8	10 3/4	1 3/8	10 1/2	10 5/8	7/8	12 1/2	7 7/8	12 1/4	12 3/8	1/2	3/8	4 5/8	3 5/8							5.0
3																											
4																											
5																											

STANDARD SIGN
R6-3 & R6-3A

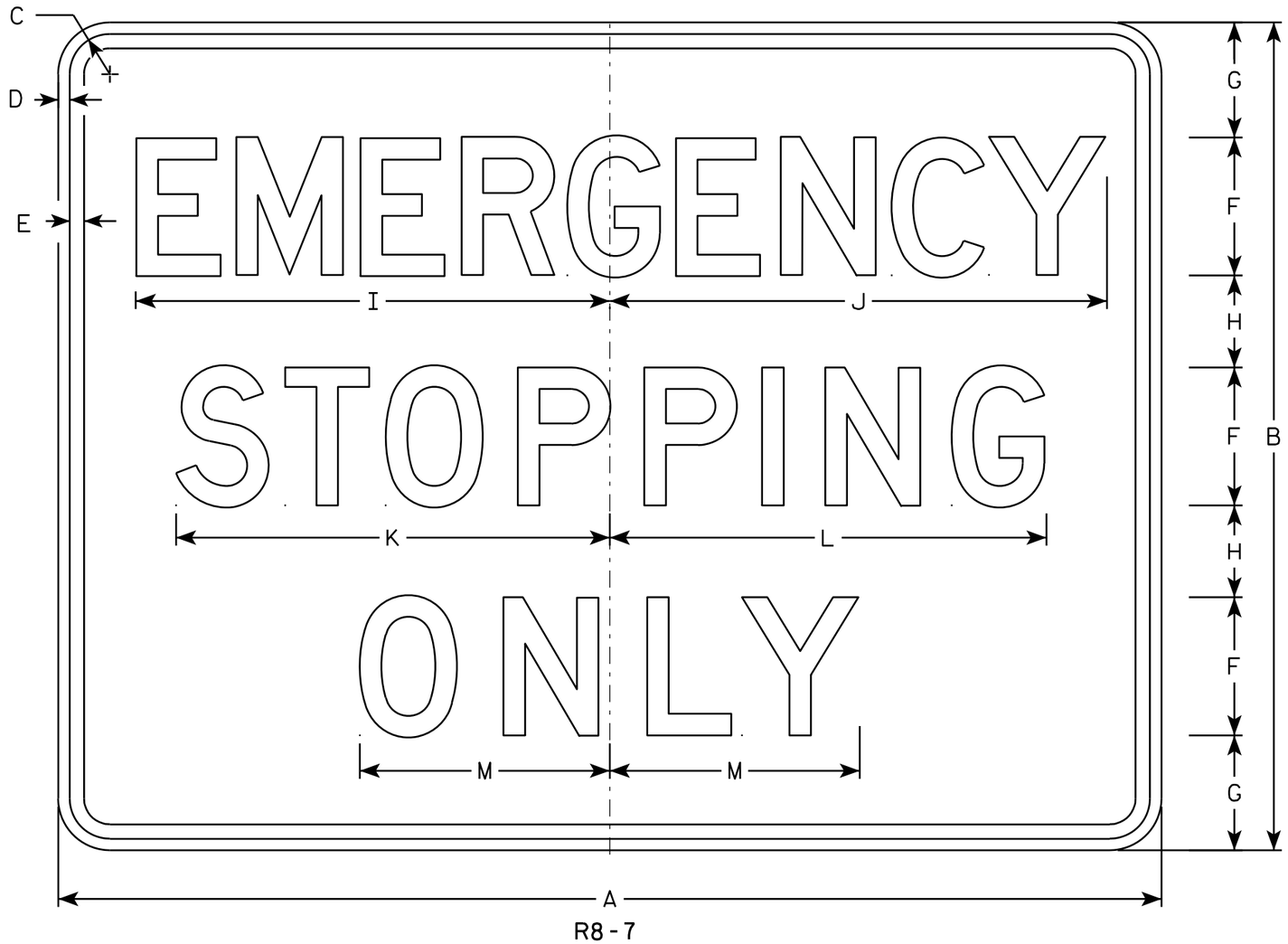
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/31/2011 PLATE NO. R6-3.5

PROJECT NO:

SHEET NO: 683 E



R8-7

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S																											
2M																											
3																											
4	48	36	1 3/4	1/2	5/8	6	5	4	20 5/8	21 5/8	18 7/8	19	10 7/8														12.0
5	48	36	1 3/4	1/2	5/8	6	5	4	20 5/8	21 5/8	18 7/8	19	10 7/8														12.0

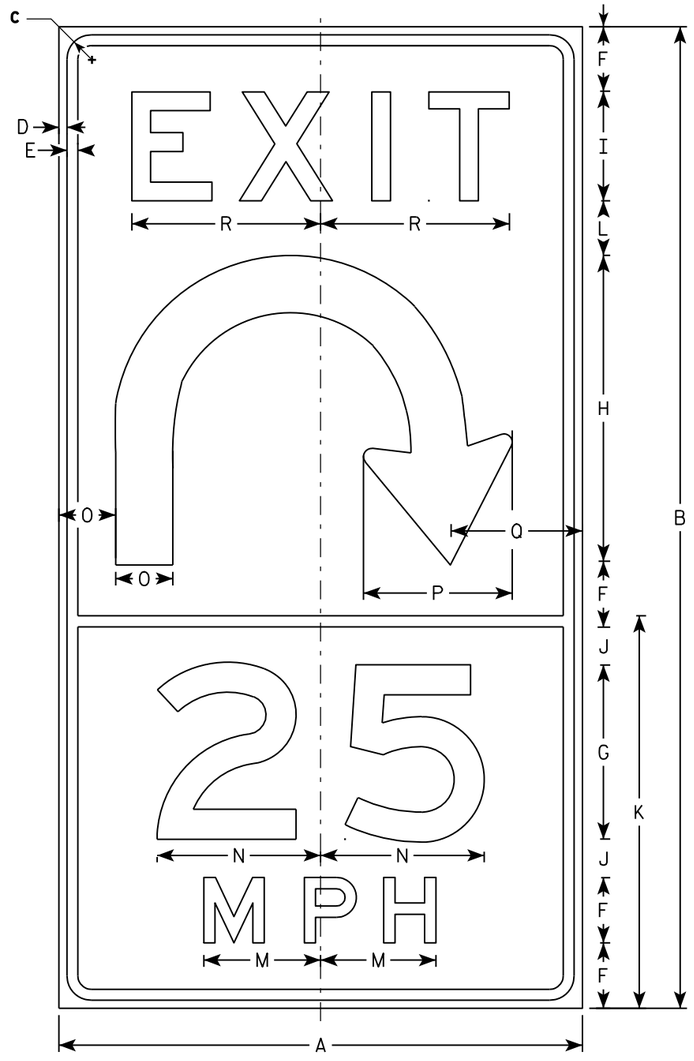
STANDARD SIGN
R8-7

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/31/2011 PLATE NO. R8-7.6

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 684 | E



W13-2A

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Yellow
   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.

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	90	2 1/4	3/4	1	6	16	28	10	3 1/2	36	5	10 3/4	15	5 1/4	13 5/8	12	17 3/8									30
2M	48	90	2 1/4	3/4	1	6	16	28	10	3 1/2	36	5	10 3/4	15	5 1/4	13 5/8	12	17 3/8									30
3																											
4																											
5																											

STANDARD SIGN
W13-2A

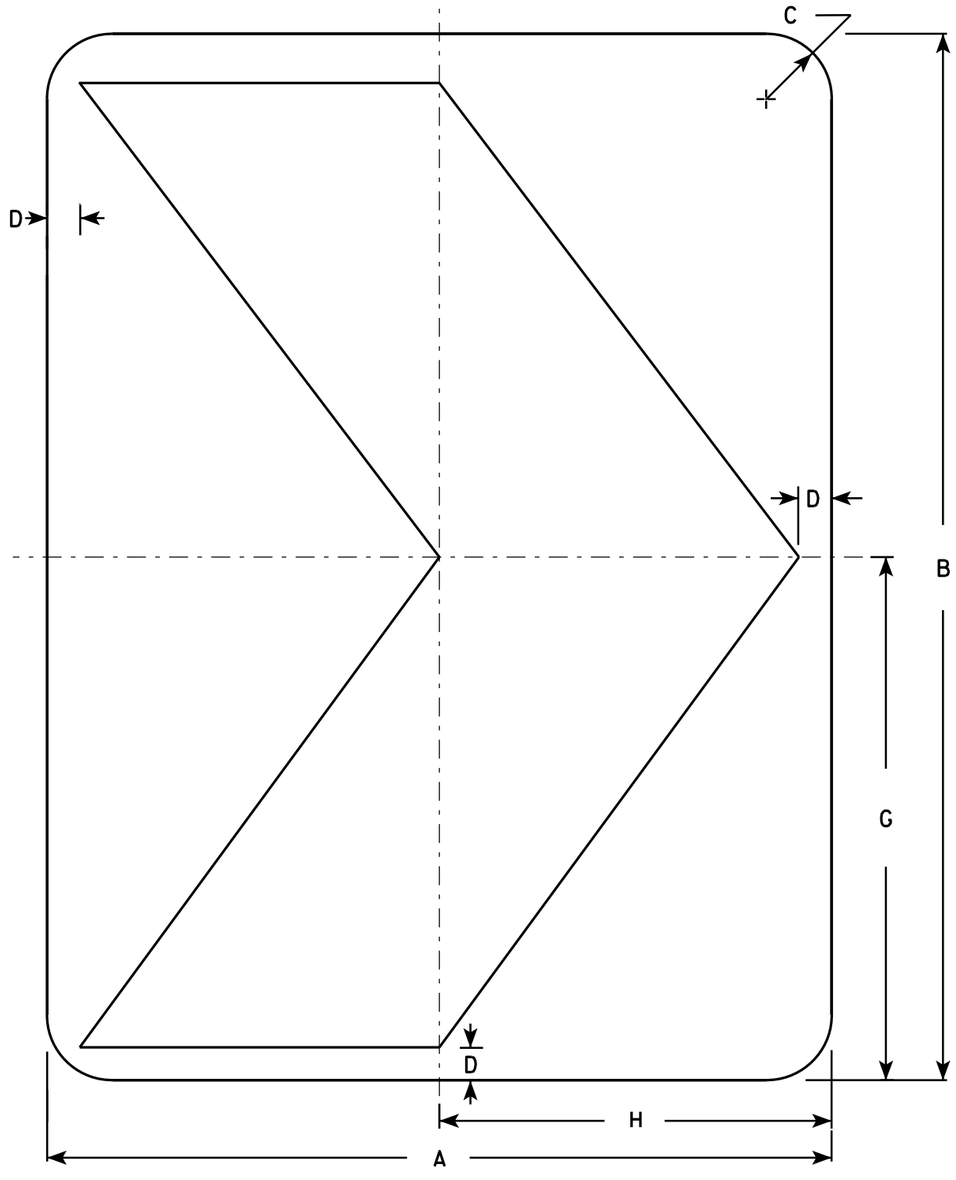
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/31/12 PLATE NO. W13-2A.3

PROJECT NO: | HWY: | COUNTY: | | SHEET NO: 685 | E

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\W132A.DGN PLOT DATE : 31-MAY-2012 11:45 PLOT BY : mscsja PLOT NAME : PLOT SCALE : 13.893311:1.000000



NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Yellow
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

W1-8

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	12	18	1 ½	½			9	6																			1.5
2S	18	24	1 ½	¾			12	9																			3.0
2M	18	24	1 ½	¾			12	9																			3.0
3	24	30	1 ½	1			15	12																			5.0
4	30	36	1 ⅞	1 ¼			18	15																			7.5
5	36	48	2 ¼	1 ½			24	18																			12.0

STANDARD SIGN
W1-8

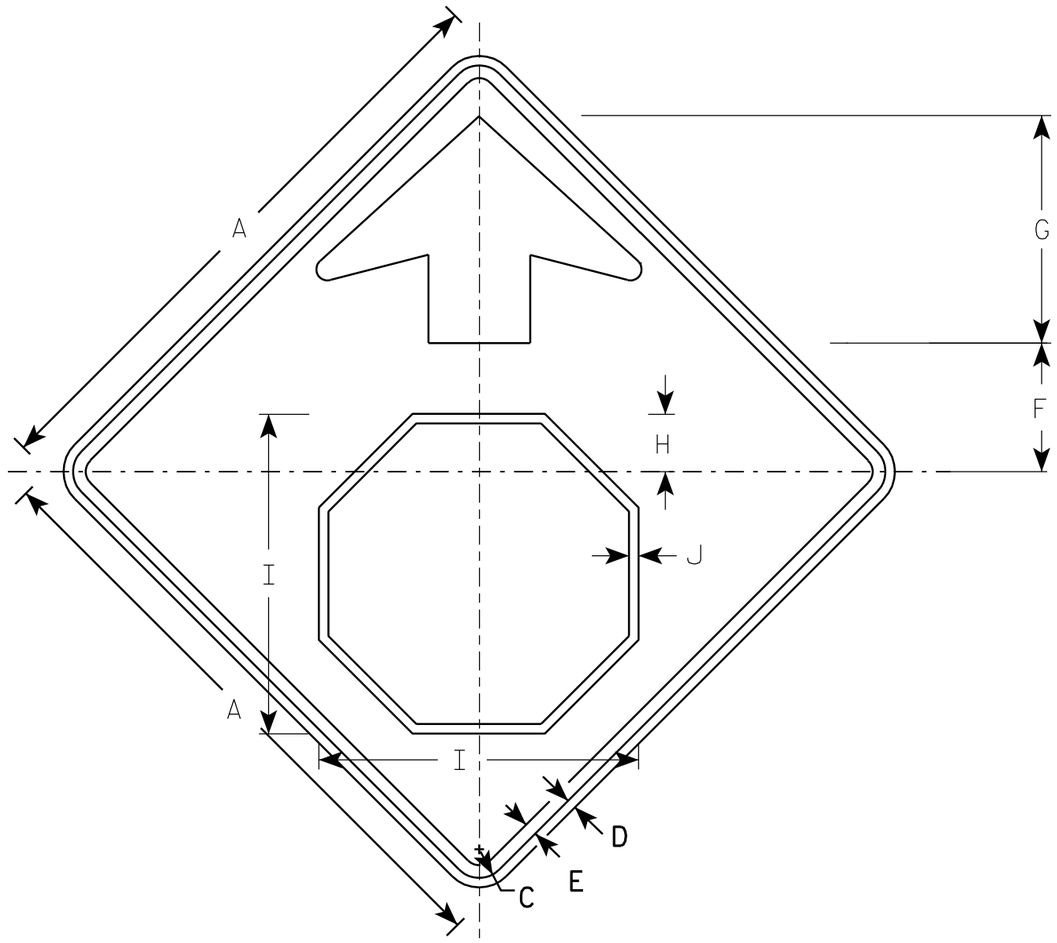
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 6/7/10 PLATE NO. W1-8.6

PROJECT NO:

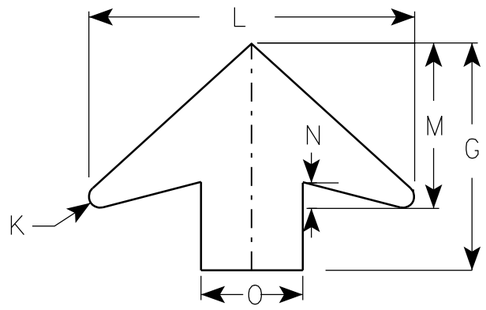
SHEET NO: 686 E



W3-1

NOTES

1. All Signs Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - YELLOW
   Arrow & Border - BLACK
   Stop Symbol - WHITE BORDER ON RED BACKGROUND



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	30		1 3/8	1/2	5/8	6 1/4	11 1/4	2 7/8	15 3/4	1/2	1/2	16	8	1 1/4	5												6.25
2S	36		1 5/8	5/8	3/4	7 1/2	13 1/2	3 1/2	19	5/8	5/8	19 1/4	9 3/4	1 5/8	6												9.0
2M	36		1 5/8	5/8	3/4	7 1/2	13 1/2	3 1/2	19	5/8	5/8	19 1/4	9 3/4	1 5/8	6												9.0
3	36		1 5/8	5/8	3/4	7 1/2	13 1/2	3 1/2	19	5/8	5/8	19 1/4	9 3/4	1 5/8	6												9.0
4	48		2 1/4	3/4	1	10	17 7/8	4 1/2	25 1/8	3/4	7/8	25 5/8	13	2	8												16.0
5	48		2 1/4	3/4	1	10	17 7/8	4 1/2	25 1/8	3/4	7/8	25 5/8	13	2	8												16.0

STANDARD SIGN
W3-1

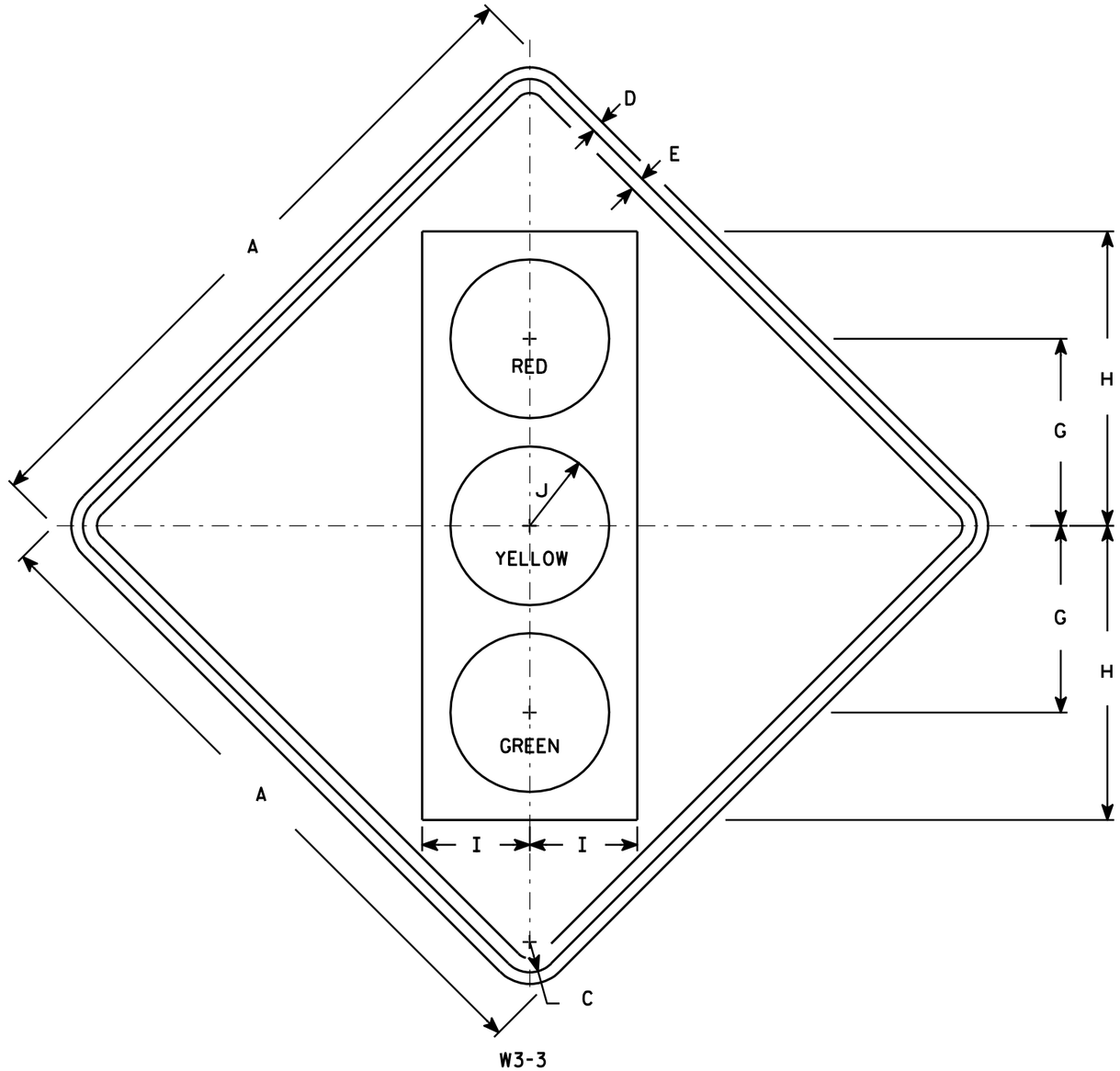
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 6/7/10 PLATE NO. W3-1.12

PROJECT NO:

SHEET NO: 687 E



W3-3

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Yellow
   Message - See Note 4
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. Symbol and border are non-reflective black.
   Top circle - Type H Reflectorized Red
   Center circle - Same as background
   Bottom circle - Type H Reflectorized Green

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	30		1 3/8	1/2	5/8		8 3/4	13 3/4	5	3 3/4																	6.25
2S	36		1 5/8	5/8	3/4		10	15 3/4	5 3/4	4 1/4																	9.0
2M	36		1 5/8	5/8	3/4		10	15 3/4	5 3/4	4 1/4																	9.0
3	36		1 5/8	5/8	3/4		10	15 3/4	5 3/4	4 1/4																	9.0
4	48		2 1/4	3/4	1		12 1/2	20	7 1/2	5																	16.0
5	48		2 1/4	3/4	1		12 1/2	20	7 1/2	5																	16.0

STANDARD SIGN
W3-3

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 6/7/10 PLATE NO. W3-3.11

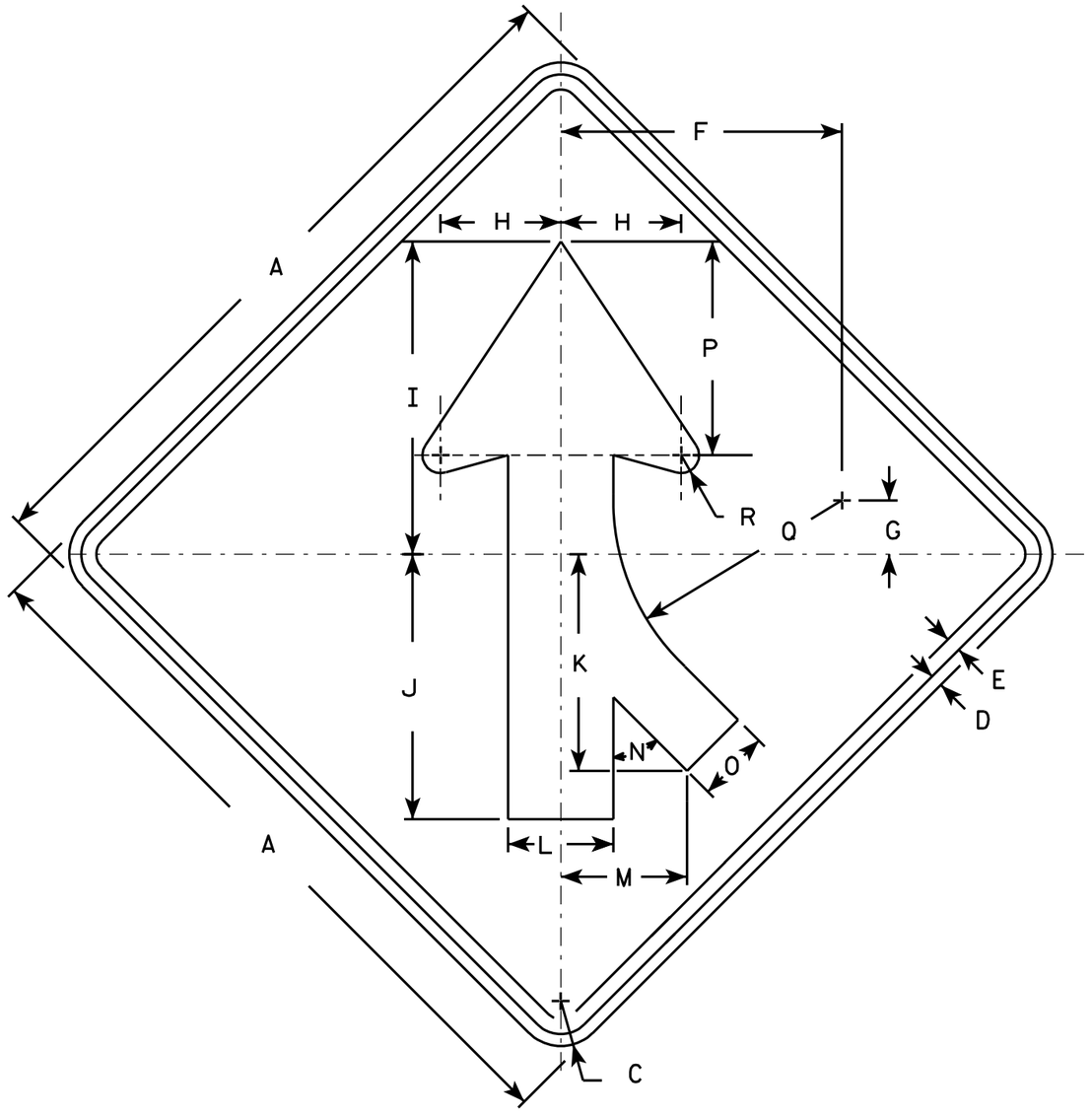
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 688 | E

FILE NAME : C:\Users\PROJECTS\tr_stdplate\W33.DGN PLOT DATE : 07-JUN-2010 13:07 PLOT BY : ditjph PLOT NAME : PLOT SCALE : 7.448805:1.000000

WISDOT/CADDS SHEET 42

7

7



W4-1R

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Yellow
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. 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	30		1 3/8	1/2	5/8	11 5/8	2 1/2	5	13	11	9	4 3/8	5 1/4	45°	3	8 7/8	9 1/2	3/4									6.25
2S	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
2M	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
3	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
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

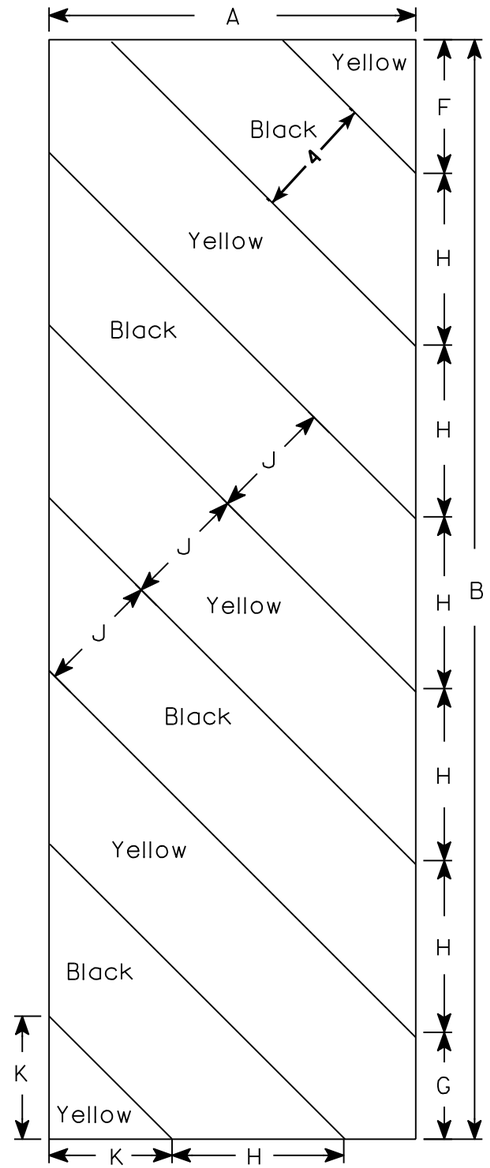
STANDARD SIGN
W4-1

WISCONSIN DEPT OF TRANSPORTATION

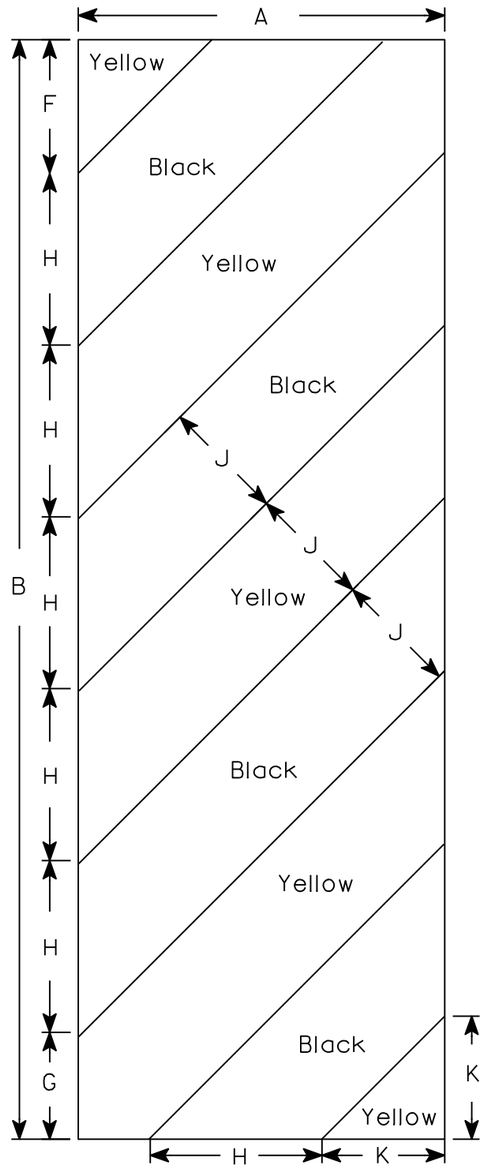
APPROVED Matthew R Rauch for State Traffic Engineer

DATE 3/21/11 PLATE NO. W4-1.13

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 689 | E



W5-52L



W5-52R

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Yellow
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. Alternate colors of stripes as shown.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	12	36				4 3/8	3 1/2	5 5/8	45°	4	4																3.0
2M	12	36				4 3/8	3 1/2	5 5/8	45°	4	4																3.0
3	18	54				6	5 1/2	8 1/2	45°	6	6 9/16																6.75
4																											
5																											

STANDARD SIGN

W5-52L & W5-52R

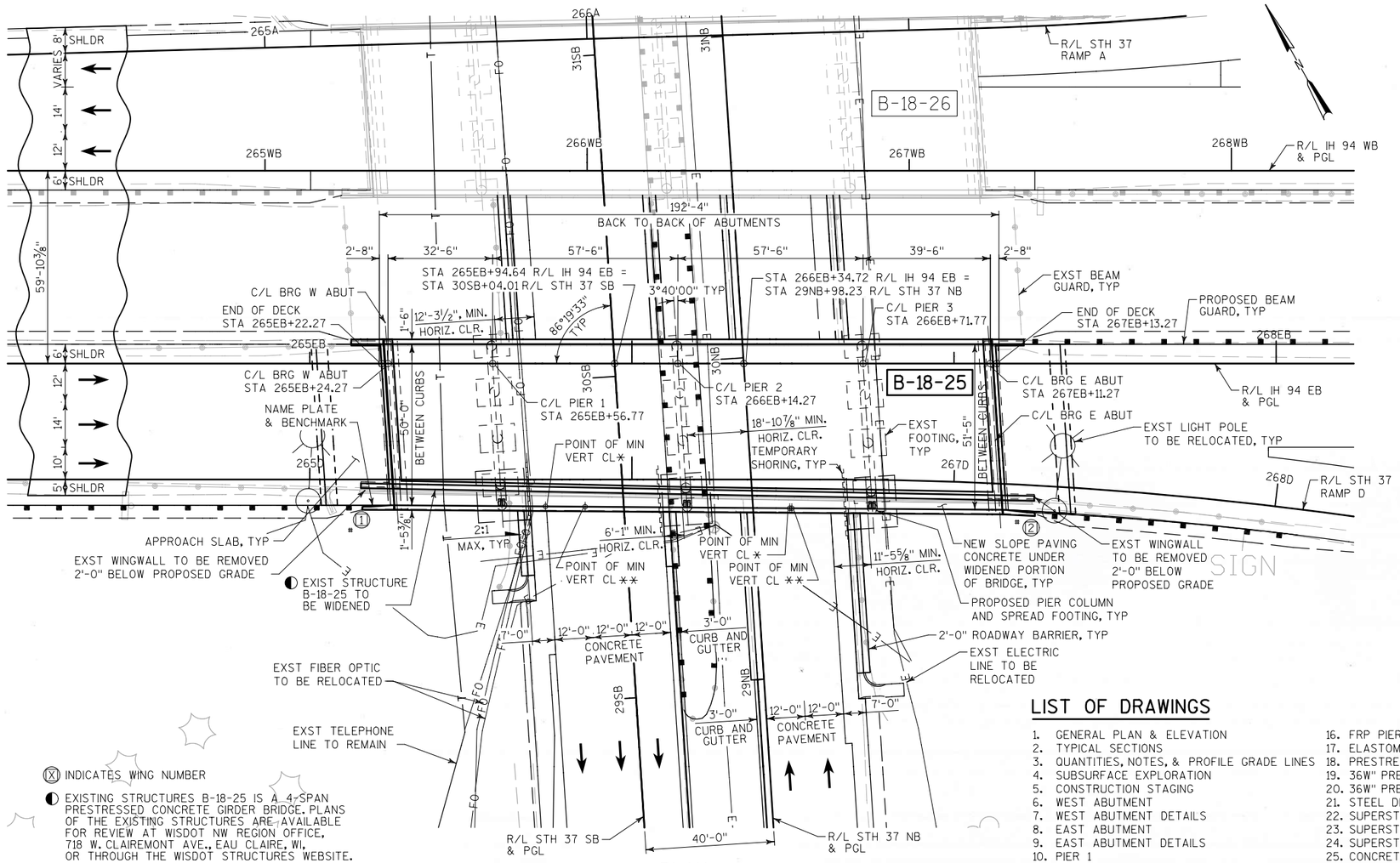
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/29/12 PLATE NO. W5-52.9

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 690	E

STATE PROJECT NUMBER
1022-08-73



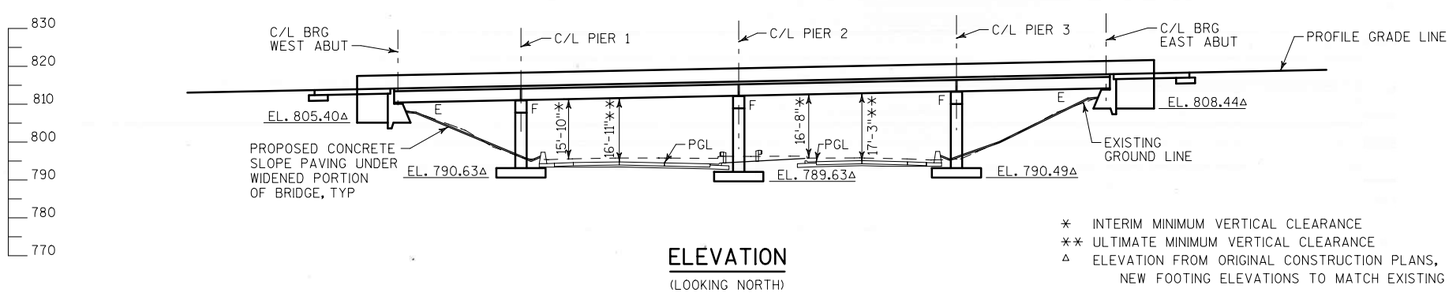
Ⓧ INDICATES WING NUMBER

◐ EXISTING STRUCTURES B-18-25 IS A 4-SPAN PRESTRESSED CONCRETE GIRDER BRIDGE. PLANS OF THE EXISTING STRUCTURES ARE AVAILABLE FOR REVIEW AT WISDOT NW REGION OFFICE, 718 W. CLAIREMONT AVE., EAU CLAIRE, WI, OR THROUGH THE WISDOT STRUCTURES WEBSITE.

PLAN

(4-SPAN 36" PRESTRESSED GIRDERS)

ANCHOR ASSEMBLY FOR STEEL PLATE BEAM GUARD



ELEVATION

(LOOKING NORTH)

* INTERIM MINIMUM VERTICAL CLEARANCE
** ULTIMATE MINIMUM VERTICAL CLEARANCE
△ ELEVATION FROM ORIGINAL CONSTRUCTION PLANS, NEW FOOTING ELEVATIONS TO MATCH EXISTING

DESIGN DATA - WIDENING

STRUCTURE IS DESIGNED FOR A 1½" DECK OVERLAY AT COMPLETION OF WIDENING. NO ALLOWANCE HAS BEEN MADE FOR A FUTURE WEARING SURFACE LOAD.

ULTIMATE DESIGN STRESSES:

CONCRETE MASONRY:
- SUPERSTRUCTURE ..... f'c = 4,000 psi
- SUBSTRUCTURE ..... f'c = 3,500 psi
- 36W-INCH PRESTRESSED GIRDERS ..... f'c = 6,000 psi

BAR STEEL REINFORCEMENT ..... fy = 60,000 psi
PRESTRESSING STRANDS .... ULTIMATE TENSILE STRENGTH = 270,000 psi

DESIGN DATA - EXISTING STRUCTURE

LIVE LOAD:

DESIGN LOADING: HS-20
INVENTORY RATING = HS20
OPERATING RATING = HS33
WISCONSIN STANDARD PERMIT VEHICLE (WIS-SPV): 240 KIPS

STRUCTURE IS DESIGNED FOR A 1½" DECK OVERLAY FOR THE EXISTING DECK. NO ALLOWANCE HAS BEEN MADE FOR A FUTURE WEARING SURFACE LOAD.

ULTIMATE DESIGN STRESSES:

CONCRETE MASONRY:
- SUPERSTRUCTURE ..... f'c = 4,000 psi
- SUBSTRUCTURE ..... f'c = 3,500 psi
- 36-INCH PRESTRESSED GIRDERS ..... f'c = 5,000 psi

BAR STEEL REINFORCEMENT (SUBSTRUCTURE)..... fy = 40,000 psi
BAR STEEL REINFORCEMENT (SLAB AND WINGWALLS)..... fy = 60,000 psi
PRESTRESSING STRANDS .... ULTIMATE TENSILE STRENGTH = 270,000 psi

FOUNDATION DATA

WEST ABUTMENT, EAST ABUTMENT, AND PIERS TO BE SUPPORTED ON SPREAD FOOTINGS. THE REQUIRED NOMINAL BEARING RESISTANCE OF THE NATIVE SOIL AT THE BOTTOM OF FOOTING ELEVATIONS IS 10,000 PSF AT EACH ABUTMENT, 26,400 PSF AT PIER 1, 9,300 PSF AT PIER 2, 10,900 PSF AT PIER 3. THE NOMINAL BEARING CAPACITY WILL BE VERIFIED BY THE ENGINEER PRIOR TO CONSTRUCTION OF THE FOOTINGS.

TRAFFIC DATA

IH 94	STH 37
A.D.T. = 32,100 (2013)	A.D.T. = 13,300 (2008)
A.D.T. = 41,000 (2033)	R.D.S. = 50 MPH
R.D.S. = 70 MPH	

LIST OF DRAWINGS

1. GENERAL PLAN & ELEVATION
2. TYPICAL SECTIONS
3. QUANTITIES, NOTES, & PROFILE GRADE LINES
4. SUBSURFACE EXPLORATION
5. CONSTRUCTION STAGING
6. WEST ABUTMENT
7. WEST ABUTMENT DETAILS
8. EAST ABUTMENT
9. EAST ABUTMENT DETAILS
10. PIER 1
11. PIER 1 DETAILS
12. PIER 2
13. PIER 2 DETAILS
14. PIER 3
15. PIER 3 DETAILS
16. FRP PIER DETAILS
17. ELASTOMERIC BEARINGS
18. PRESTRESSED GIRDER STRENGTHENING
19. 36W" PRESTRESSED GIRDER DETAILS (1 OF 2)
20. 36W" PRESTRESSED GIRDER DETAILS (2 OF 2)
21. STEEL DIAPHRAGM
22. SUPERSTRUCTURE
23. SUPERSTRUCTURE CROSS SECTION
24. SUPERSTRUCTURE DETAILS
25. CONCRETE OVERLAY
26. EXPANSION DEVICE
27. COVER PLATE DETAILS
28. APPROACH SLAB PLAN
29. APPROACH SLAB DETAILS
30. SINGLE SLOPE PARAPET 42SS
31. SLOPE PAVING (CONCRETE CAST-IN-PLACE)

STRUCTURES DESIGN CONTACTS

BRIDGE OFFICE:
WILLIAM DREHER (608) 266-8489
CONSULTANT:
MARK MADAY (262) 548-5618

NO.	DATE	REVISION	BY

CH2MHILL
MILWAUKEE, WISCONSIN

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

ACCEPTED William C. Dreher KAR 02/19/13
CHIEF STRUCTURES DESIGN ENGINEER DATE

WISCONSIN MARK A. MADAY E-25925 MILWAUKEE, WI PROFESSIONAL ENGINEER
Feb. 15, 2013

STRUCTURE B-18-25

IH 94 EB OVER STH 37

COUNTY	TOWN/~~CITY/VILLAGE~~
EAU CLAIRE	BRUNSWICK

DESIGN SPEC.
AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS

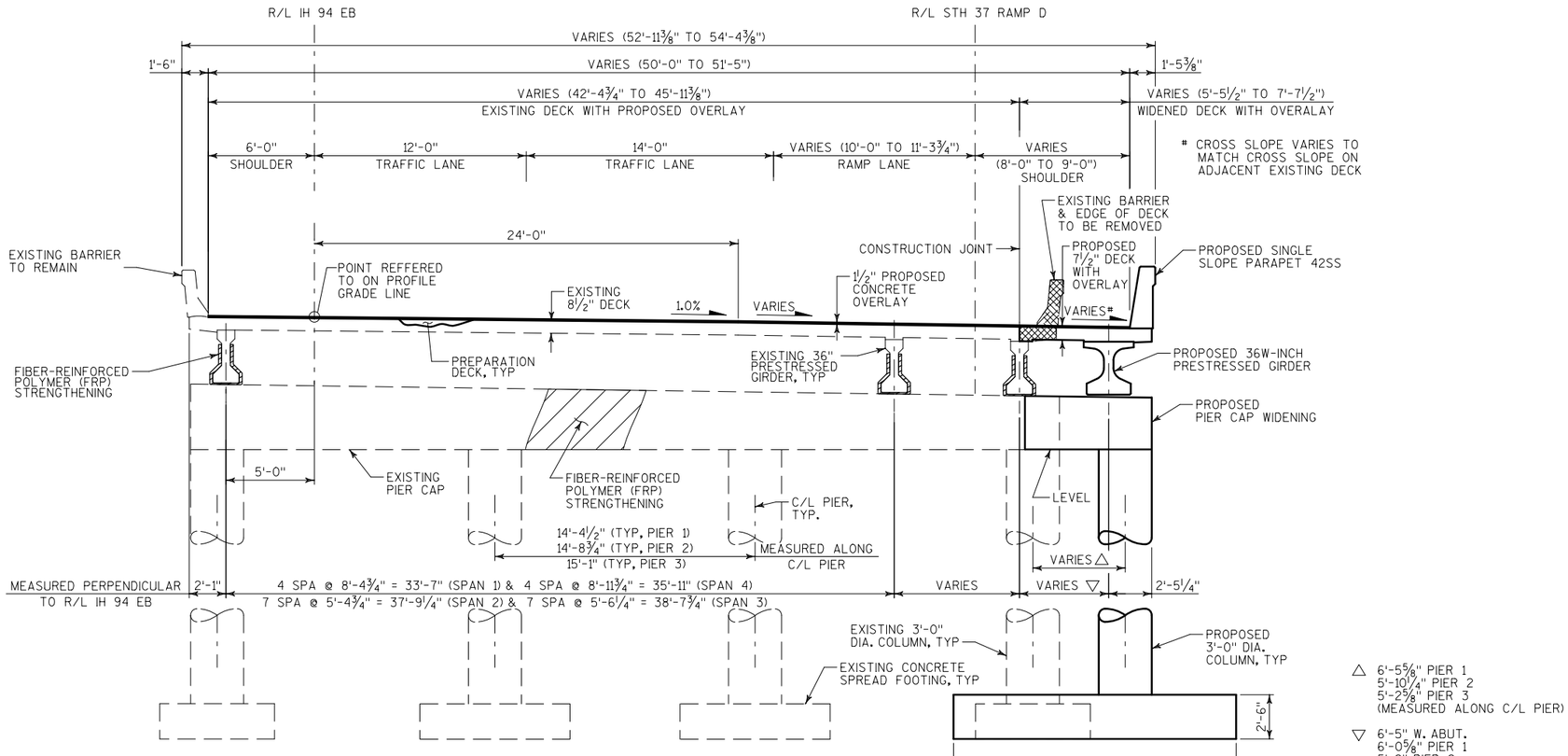
DESIGNED BY	DESIGN CK'D.	DRAWN BY	PLANS CK'D.
CWM	ACP	JLK	MAM

GENERAL PLAN & ELEVATION

SHEET 1 OF 31

STATE PROJECT NUMBER

1022-08-73

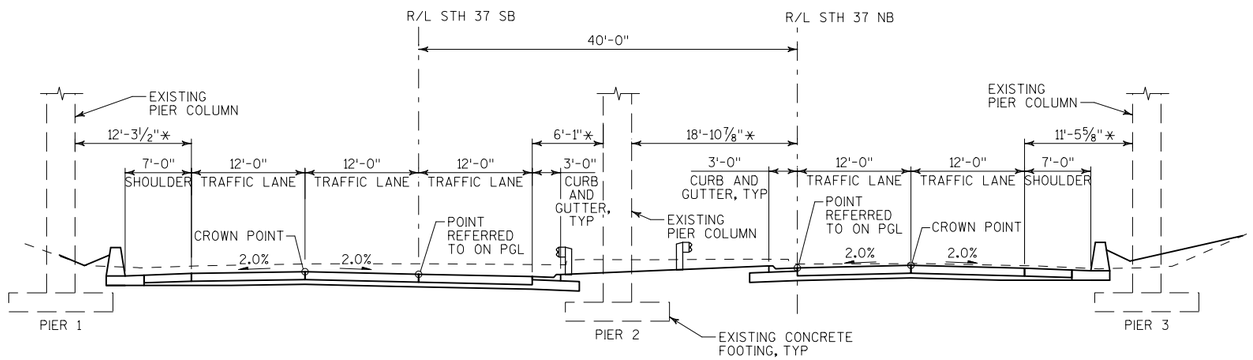


△ 6'-5⅝" PIER 1
5'-10¼" PIER 2
5'-2⅝" PIER 3
(MEASURED ALONG C/L PIER)

▽ 6'-5" W. ABUT.
6'-0⅝" PIER 1
5'-2" PIER 2
4'-9¼" PIER 3
4'-3⅝" E. ABUT.

TYPICAL SECTION THRU IH 94 E.B.

(LOOKING EAST)



STH 37 TYPICAL SECTION UNDER IH 94 E.B. BRIDGE

(LOOKING NORTH AT STH 37 NB STATION 29+98.23 AND STH 37 SB STATION 30+04.01)

* MINIMUM HORIZONTAL CLEARANCE

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-18-25

DRAWN BY JLK | PLANS CK'D. AJB

TYPICAL SECTIONS

SHEET 2 OF 31

8

8

FILE NAME : B1825_080102_REV.dgn PLOT DATE : 01-FEB-2013 PLOT BY : jwahl B1825_080102_REV PLOT SCALE : 8:1

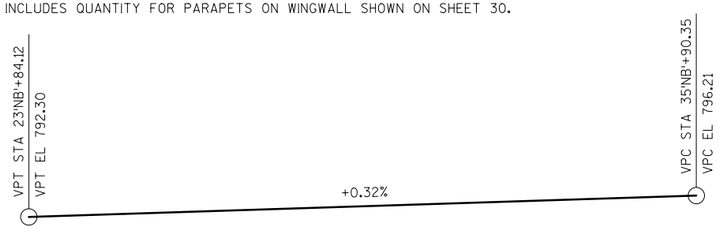
STATE PROJECT NUMBER

1022-08-73

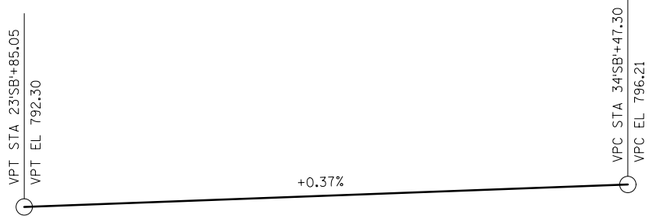
TOTAL ESTIMATED QUANTITIES

	ITEM NO.	BID ITEMS	UNIT	WEST APPROACH SLAB	WEST ABUTMENT	PIER 1	PIER 2	PIER 3	EAST ABUTMENT	EAST APPROACH SLAB	SUPER	TOTAL
	203.0200	REMOVING OLD STRUCTURE STATION 266'EB'+14.27	LS	---	---	---	---	---	---	---	---	1
	206.1000	EXCAVATION FOR STRUCTURES BRIDGES B-18-25	LS	---	---	---	---	---	---	---	---	1
	206.6000.S	TEMPORARY SHORING	SF	---	---	200	200	200	---	---	---	600
	210.0100	BACKFILL STRUCTURE	CY	---	30	---	---	---	25	---	---	55
	305.0125	BASE AGGREGATE DENSE 1¼-INCH	CY	39	---	---	---	---	---	39	---	78
	502.0100	CONCRETE MASONRY BRIDGES	CY	65***	15	24	26	24	13	67***	81	312
	502.3100	EXPANSION DEVICE (B-18-25)	LS	---	---	---	---	---	---	---	---	1
	502.3200	PROTECTIVE SURFACE TREATMENT	SY	---	10	---	---	---	10	---	1250	1270
	502.5002	MASONRY ANCHORS TYPE L NO. 4 BARS	EACH	---	13	---	---	---	13	---	---	26
	502.5005	MASONRY ANCHORS TYPE L NO. 5 BARS	EACH	---	---	2	2	2	---	---	---	6
	502.5010	MASONRY ANCHORS TYPE L NO. 6 BARS	EACH	---	10	72	72	72	10	---	---	236
	502.5015	MASONRY ANCHORS TYPE L NO. 7 BARS	EACH	---	---	64	64	64	---	---	---	192
	502.5020	MASONRY ANCHORS TYPE L NO. 8 BARS	EACH	---	---	8	8	8	---	---	---	24
	503.0137	PRESTRESSED GIRDER TYPE I 36W-INCH	LF	---	---	---	---	---	---	---	189	189
	505.0405	BAR STEEL REINFORCEMENT HS BRIDGES	LB	---	---	2652	2739	2652	---	---	---	8043
	505.0605	BAR STEEL REINFORCEMENT HS COATED BRIDGES	LB	10953	1822***	1280	1347	1315	1700***	11305	20367	50089
	505.0905	BAR COUPLERS NO. 5	EACH	42	3	---	---	---	3	42	304	394
	505.0908	BAR COUPLERS NO. 8	EACH	12	---	---	---	---	---	12	---	24
	506.2605	BEARING PADS ELASTOMERIC NON-LAMINATED	EACH	---	---	2	2	2	---	---	---	6
	506.2610	BEARING PADS ELASTOMERIC LAMINATED	EACH	---	1	---	---	---	1	---	---	2
	506.4000	STEEL DIAPHRAGMS B-18-25	EACH	---	---	---	---	---	---	---	4	4
*	509.0301	PREPARATION DECKS TYPE 1	SY	---	---	---	---	---	---	---	120	120
*	509.0302	PREPARATION DECKS TYPE 2	SY	---	---	---	---	---	---	---	48	48
	509.0500	CLEANING DECKS	SY	---	---	---	---	---	---	---	916	916
	509.1000	JOINT REPAIR	SY	---	5	---	---	---	6	---	30	41
*	509.1500	CONCRETE SURFACE REPAIR	SF	---	25	25	25	25	25	---	25	150
	509.2500	CONCRETE MASONRY OVERLAY DECKS	CY	---	3	---	---	---	3	---	69	75
	516.0500	RUBBERIZED MEMBRANE WATERPROOFING	SY	---	5	---	---	---	5	---	---	10
	604.0400	SLOPE PAVING CONCRETE	SY	---	70	---	---	---	73	---	---	143
	612.0406	PIPE UNDERDRAIN WRAPPED 6-INCH	LF	75	---	---	---	---	---	75	---	150
	614.0150	ANCHOR ASSEMBLIES FOR STEEL PLATE BEAM GUARD	EACH	---	1	---	---	---	1	---	---	2
**	SPV.0165.10	FIBER WRAP REINFORCING	SF	---	---	342	352	363	---	---	4698	5755
		NON BID ITEMS										
		PREFORMED JOINT FILLER	SIZE	---	---	---	---	---	---	---	---	½",¾",1½"

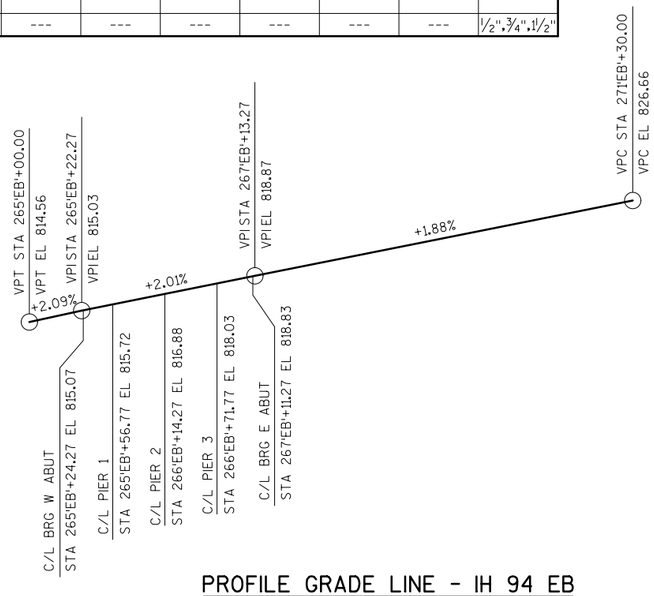
* UNDISTRIBUTED QUANTITY FOR REPAIRS AS DIRECTED BY THE ENGINEER, IF NECESSARY
** QUANTITY CONSISTS OF THE APPROXIMATE CONCRETE SURFACE AREA THAT REQUIRES STRENGTHENING
*** INCLUDES QUANTITY FOR PARAPETS ON WINGWALL SHOWN ON SHEET 30.



PROFILE GRADE LINE - STH 37 NB



PROFILE GRADE LINE - STH 37 SB



PROFILE GRADE LINE - IH 94 EB

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2" CLEAR UNLESS OTHERWISE NOTED. THE TOP LAYER OF BAR STEEL REINFORCEMENT IN THE DECK SHALL HAVE 1½" OF CLEAR CONCRETE COVER TO THE TOP OF THE STRUCTURAL DECK.

BEVEL EXPOSED EDGES OF CONCRETE ¾" UNLESS OTHERWISE NOTED.

ALL CONCRETE REMOVAL SHALL BE DEFINED BY A 1" DEEP SAW CUT LINE.

PREPARATION DECKS AND CONCRETE SURFACE REPAIR SHALL BE AS DETERMINED BY ENGINEER IN THE FIELD.

ALL PREVIOUS PATCHES SHALL BE REMOVED UNDER BID ITEM "PREPARATION DECKS".

PROTECTIVE SURFACE TREATMENT IS TO BE APPLIED TO THE TOP OF DECK AND THE TOP AND ROADWAY FACES OF THE PARAPETS PER MANUFACTURER'S RECOMMENDATIONS.

ALL DIMENSIONS ARE IN FEET AND INCHES UNLESS OTHERWISE NOTED.

ALL STATIONS AND ELEVATIONS ARE IN FEET. ELEVATIONS ARE REFERENCED TO THE NGVD DATUM.

AT ABUTMENTS ALL SPACES EXCAVATED AND NOT OCCUPIED BY THE NEW STRUCTURE SHALL BE BACKFILLED WITH "BACKFILL STRUCTURE".

THE EXISTING GROUNDLINE SHALL BE THE UPPER LIMITS OF "EXCAVATION FOR STRUCTURES".

THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFY THE BAR SIZE.

THE UTILITY INFORMATION SHOWN ON THESE DRAWINGS CONCERNING TYPE AND LOCATION OF UNDERGROUND UTILITIES IS NOT GUARANTEED TO BE ACCURATE OR ALL-INCLUSIVE. THE CONTRACTOR IS RESPONSIBLE FOR MAKING HIS OWN DETERMINATION AS TO TYPE AND LOCATION OF UNDERGROUND UTILITIES AS MAY BE NECESSARY TO AVOID DAMAGE.

THE EXISTING BRIDGE B-18-25 IS A FOUR SPAN PRESTRESSED CONCRETE GIRDER STRUCTURE. THE SOUTH BRIDGE BARRIER AND PORTIONS OF THE EXISTING DECK, ABUTMENTS, AND WINGWALLS SHALL BE REMOVED AS SHOWN TO ACCOMMODATE THE BRIDGE WIDENING. THE APPROACH SLABS AT EACH END OF THE BRIDGE SHALL ALSO BE REPLACED.

A FIBER-REINFORCED POLYMER (FRP) STRENGTHENING SYSTEM SHALL BE DESIGNED AND APPLIED TO PORTIONS OF THE EXISTING GIRDERS AND PIER CAPS AS SHOWN IN THESE PLANS AND IN ACCORDANCE WITH THE "FIBER WRAP REINFORCING" SPECIAL PROVISION.

8

8

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

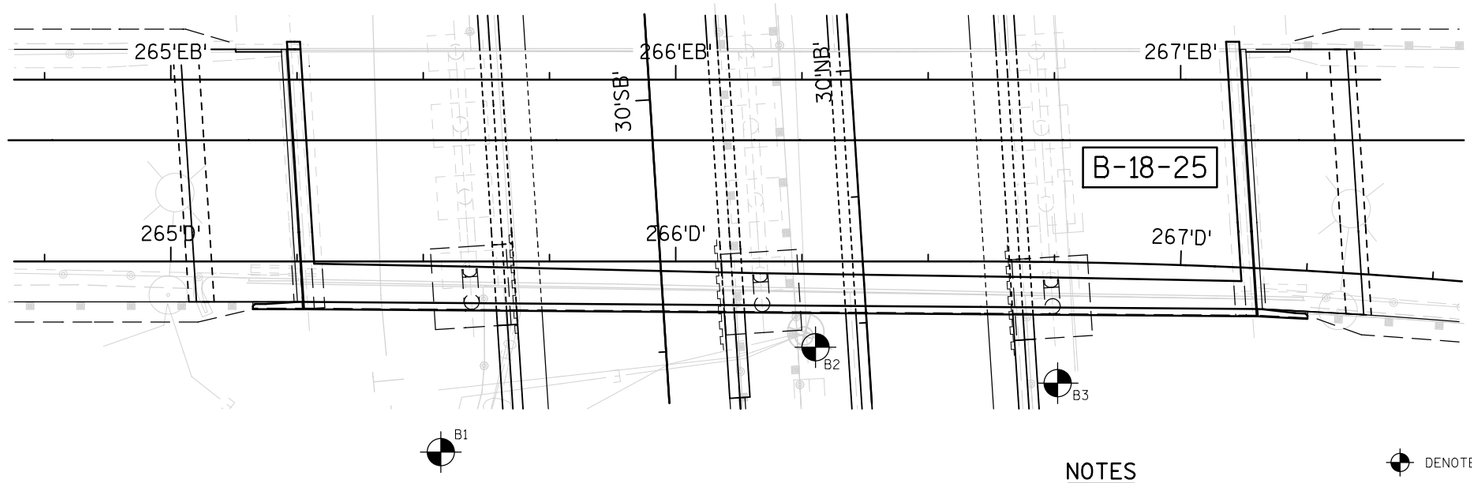
STRUCTURE B-18-25

DRAWN BY JLK | PLANS CK'D. AJB

QUANTITES, NOTES, & PROFILE GRADE LINES

SHEET 3 OF 31

FILE NAME : B1825_080103_REV.dgn PLOT DATE : 01-FEB-2013 PLOT BY : jwahl B1825_080103_REV PLOT SCALE : 8:1



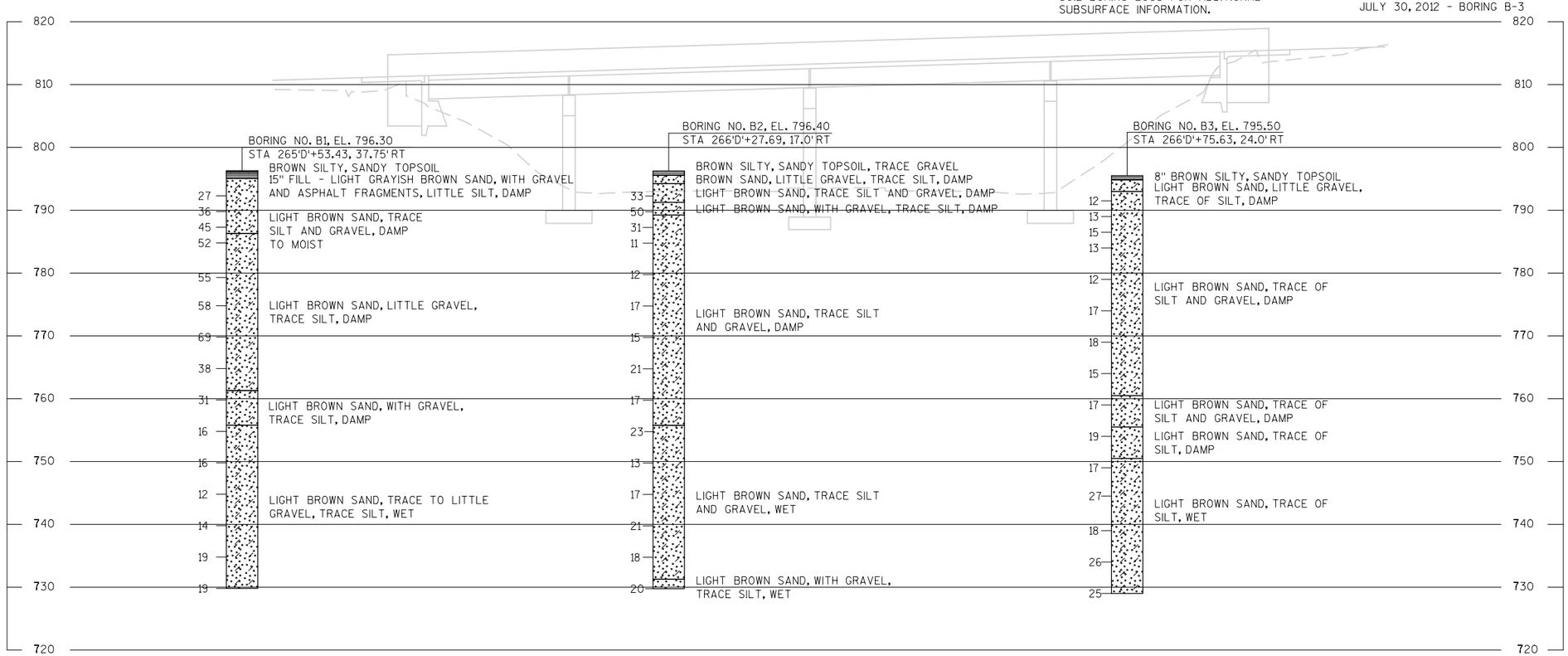
NOTES

THE SUBSURFACE INFORMATION PRESENTED HEREIN IS AN ABBREVIATED VERSION OF THE INFORMATION PRESENTED IN THE GEOTECHNICAL ENGINEERING REPORT. REVIEW THE APPROPRIATE GEOTECHNICAL REPORT AND SOIL BORING LOGS FOR ADDITIONAL SUBSURFACE INFORMATION.

DENOTES SOIL BORING LOCATION

SOIL BORINGS COMPLETED BY:
MIDWEST ENGINEERING SERVICES, INC.

SOIL BORINGS TAKEN:
JULY 30, 2012 - BORING B-1
JULY 30, 2012 - BORING B-2
JULY 30, 2012 - BORING B-3



STATE PROJECT NUMBER

1022-08-73

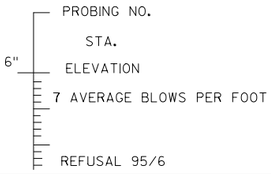
ABBREVIATIONS

F — FINE M — MEDIUM C — COARSE
WS — WEATHERED SO — SOUND

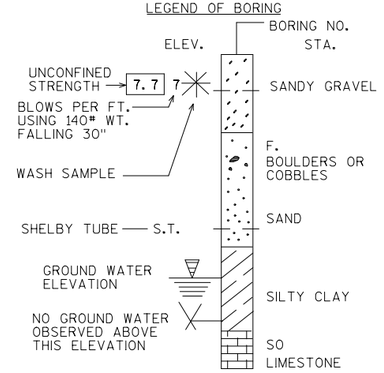
MATERIAL SYMBOLS

TOPSOIL, SILT, SANDSTONE
SAND, PEAT, LIMESTONE
GRAVEL, CLAY, IGNEOUS ROCK

LEGEND OF PROBING



LEGEND OF BORING



UNLESS OTHERWISE SPECIFIED, THE BLOWS PER FOOT AT THE LOCATIONS INDICATED ARE BASED ON DRIVING A 2" O.D. X 1.4" I.D. SPLIT SPOON SAMPLER WITH A 140# HAMMER HAVING A FREE FALL OF 30". THE BLOW COUNT IS TAKEN IN UNDISTURBED SOIL IMMEDIATELY BELOW A CASED OR OPEN HOLE ELIMINATING SIDE FRICTION ON THE DRIVE PIPE.

SUBSURFACE EXPLORATION FOR FOUNDATION DESIGN AND BIDDERS INFORMATION

TO OBTAIN RELATIVE DATA CONCERNING THE CHARACTER OF MATERIAL IN AND UPON WHICH THE FOUNDATION MIGHT BE BUILT, BORINGS AND/OR SOUNDINGS WERE MADE AT POINTS APPROXIMATELY AS INDICATED ON THIS DRAWING. THE DATA PRESENTED HEREIN REPRESENTS THE FINDINGS OF THE SUBSURFACE EXPLORATIONS MADE. HOWEVER, BECAUSE THE DEPTHS INVESTIGATED ARE LIMITED AND THE AREA OF THE BORINGS AND/OR SOUNDINGS IS VERY SMALL IN RELATION TO THE ENTIRE AREA, THE WISCONSIN DEPARTMENT OF TRANSPORTATION DOES NOT WARRANT CONDITIONS BELOW THE DEPTHS INVESTIGATED OR THAT THE CLASSIFICATION OF MATERIAL ENCOUNTERED IN THESE INVESTIGATIONS IS NECESSARILY TYPICAL OF THE ENTIRE SITE.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-18-25

DRAWN BY GLM | PLANS CK'D. MAD

SUBSURFACE EXPLORATION

SHEET 4 OF 31

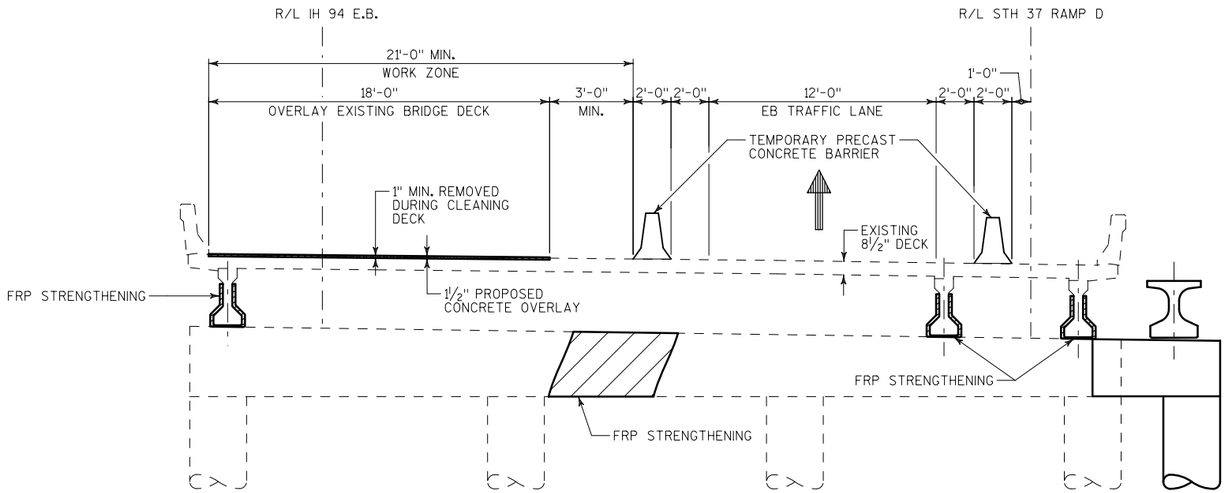
694

8

8

FILE NAME : B1825_080104.dgn PLOT DATE : 01-FEB-2013 PLOT BY : jwahl B1825_080104 PLOT SCALE : 30:1

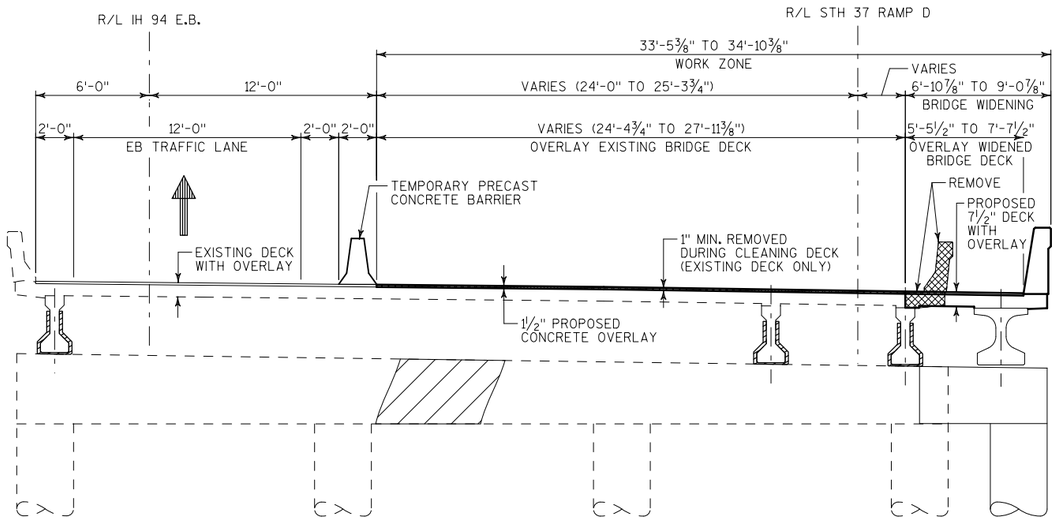
STATE PROJECT NUMBER
1022-08-73



STAGE A
(LOOKING EAST)

MAJOR WORK ELEMENTS

1. CONSTRUCT WIDENING OF BRIDGE PIERS AND ABUTMENT FOOTINGS. PLACE NEW GIRDER. FRP STRENGTHENING OF EXISTING GIRDERS AND PIER CAPS.
2. PLACE TEMPORARY BARRIER AND SHIFT TRAFFIC.
3. PLACE OVERLAY ON PORTION OF EXISTING SUPERSTRUCTURE.



STAGE B
(LOOKING EAST)

MAJOR WORK ELEMENTS

1. RELOCATE TEMPORARY BARRIER AND SHIFT TRAFFIC.
2. PARTIAL REMOVAL OF EXISTING BRIDGE.
3. CONSTRUCT REMAINING PORTIONS OF ABUTMENTS AND WIDEN DECK.
4. PLACE OVERLAY ON REMAINING PORTION OF EXISTING SUPERSTRUCTURE AND WIDENED DECK.
5. REMOVE TEMPORARY BARRIER.

NOTES:

1. SEE PROJECT NO. 1022-08-73 CONSTRUCTION STAGING PLAN SHEETS FOR ADDITIONAL DETAILS.
2. FOR FINAL TRAFFIC LANE CONFIGURATION, SEE "TYPICAL SECTION THRU IH 94 E.B." ON SHEET 2.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-18-25

DRAWN BY JLK | PLANS CK'D. AJB

CONSTRUCTION STAGING

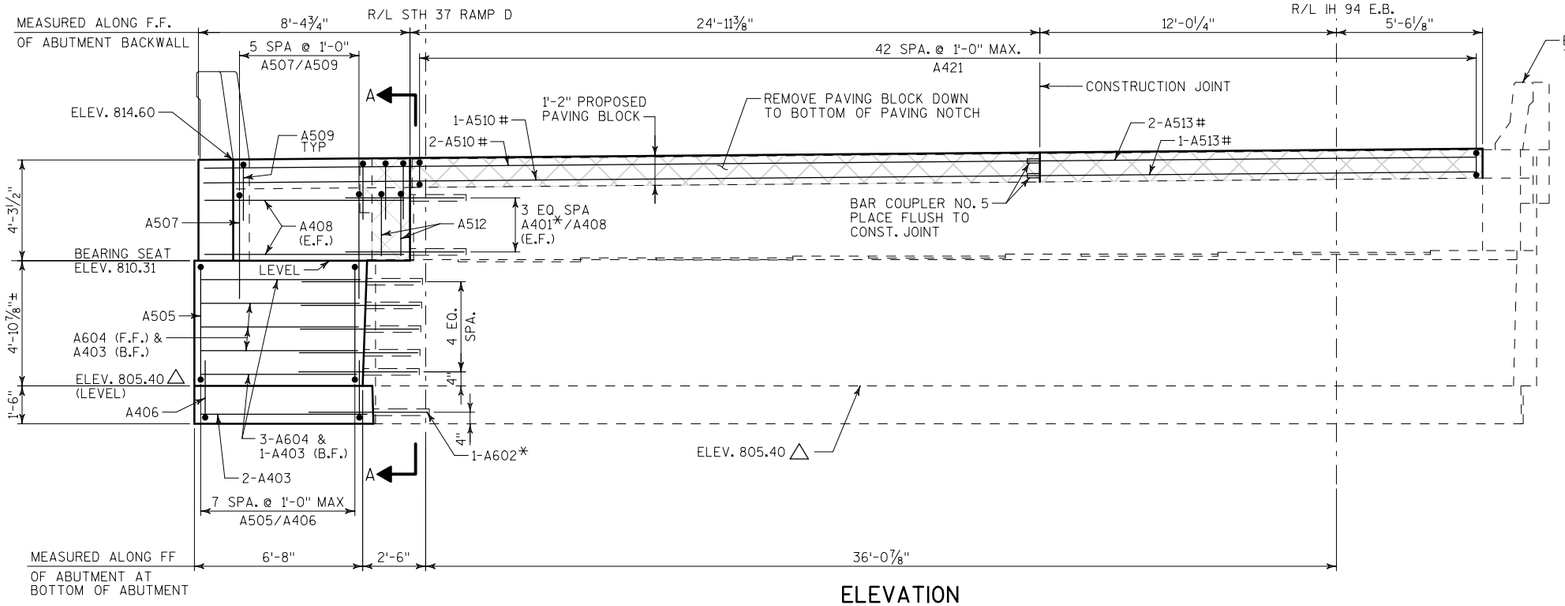
SHEET 5 OF 31

8

8

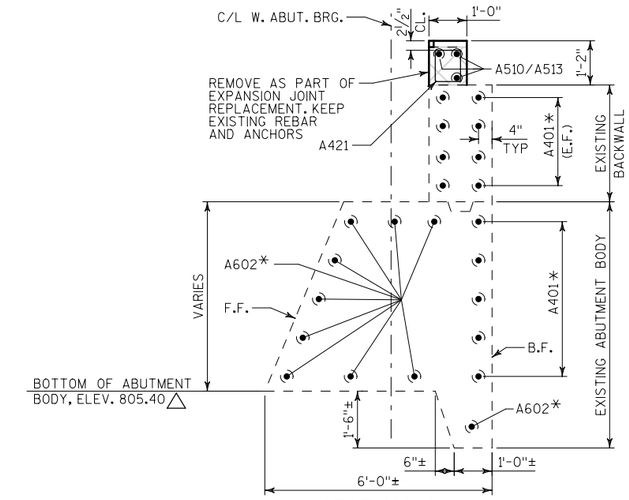
FILE NAME : B1825_080105_REV.dgn PLOT DATE : 01-FEB-2013 PLOT BY : jwahl B1825_080105_REV PLOT SCALE : 8:1

STATE PROJECT NUMBER
1022-08-73

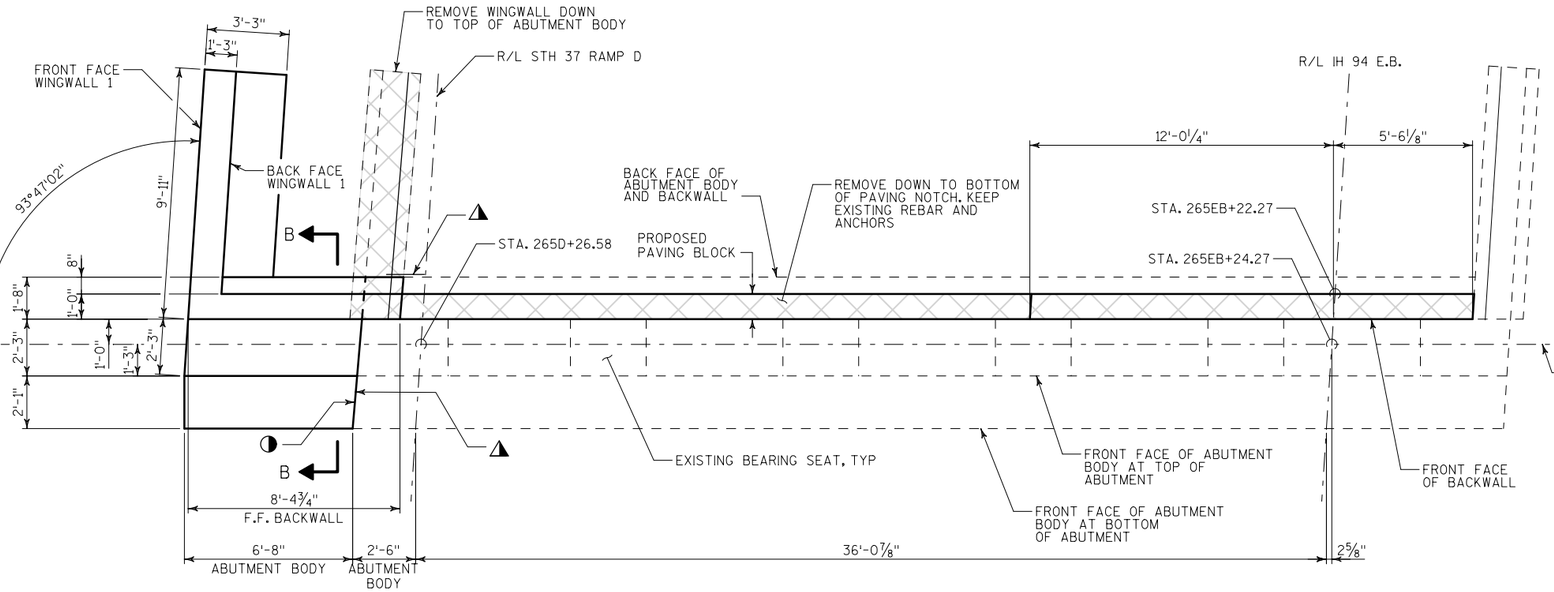


ELEVATION

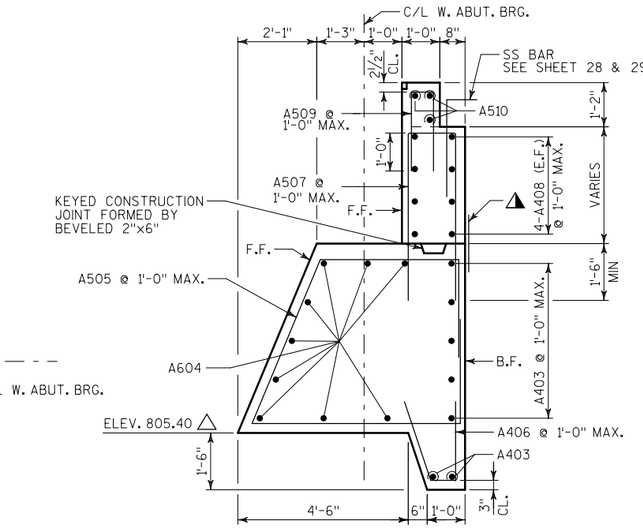
(LOOKING WEST)



SECTION A-A



PLAN



SECTION B-B

LEGEND

- ◭ 18" RUBBERIZED MEMBRANE WATERPROOFING. SEAL ALL HORIZONTAL AND VERTICAL JOINTS ON BACKFACE OF ABUTMENT BODY
- △ ELEVATION FROM ORIGINAL CONSTRUCTION PLANS. NEW ELEVATION SHALL MATCH EXISTING AS CONSTRUCTED.
- ◑ ROUGHEN SURFACE OF CONCRETE ¼" DEEP MINIMUM AT ALL AREAS OF NEW TO EXISTING CONCRETE CONTACT.

NOTES:

* CONCRETE MASONRY ANCHOR, TYPE L:
NO. 4 BARS MIN. PULLOUT CAPACITY OF 6 KIPS. EMBED 7½" INTO CONCRETE (LAP WITH A403 AND A408).
NO. 6 BARS MIN. PULLOUT CAPACITY OF 7 KIPS. EMBED 1'-1" INTO CONCRETE (LAP WITH A604).

BAR LENGTH SHOWN ON SHEET 7 GIVEN TO CONSTRUCTION JOINT. ADJUST LENGTH AS REQUIRED TO ACCOMMODATE BAR COUPLER.

E.F. DENOTES EACH FACE
B.F. DENOTES BACK FACE
F.F. DENOTES FRONT FACE

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-18-25

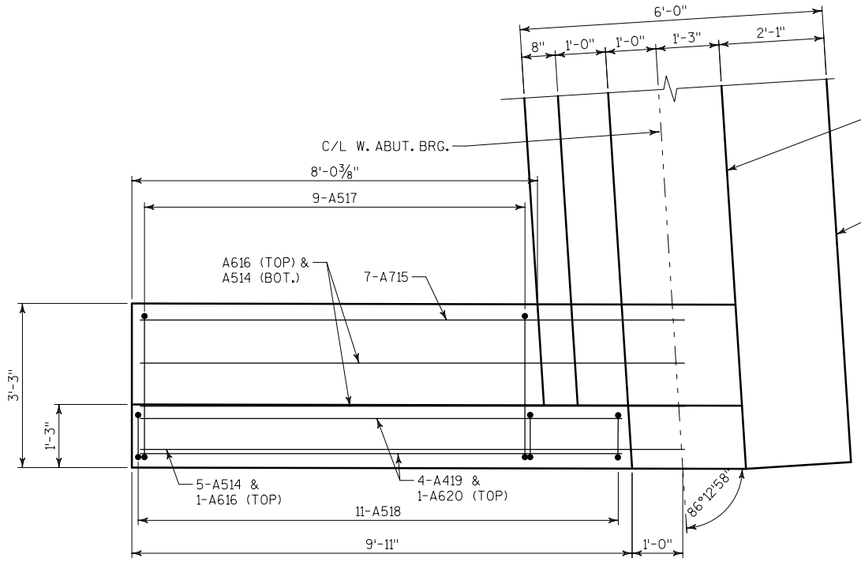
DRAWN BY	MHM	PLANS CK'D.	AJB

WEST ABUTMENT

SHEET 6 OF 31

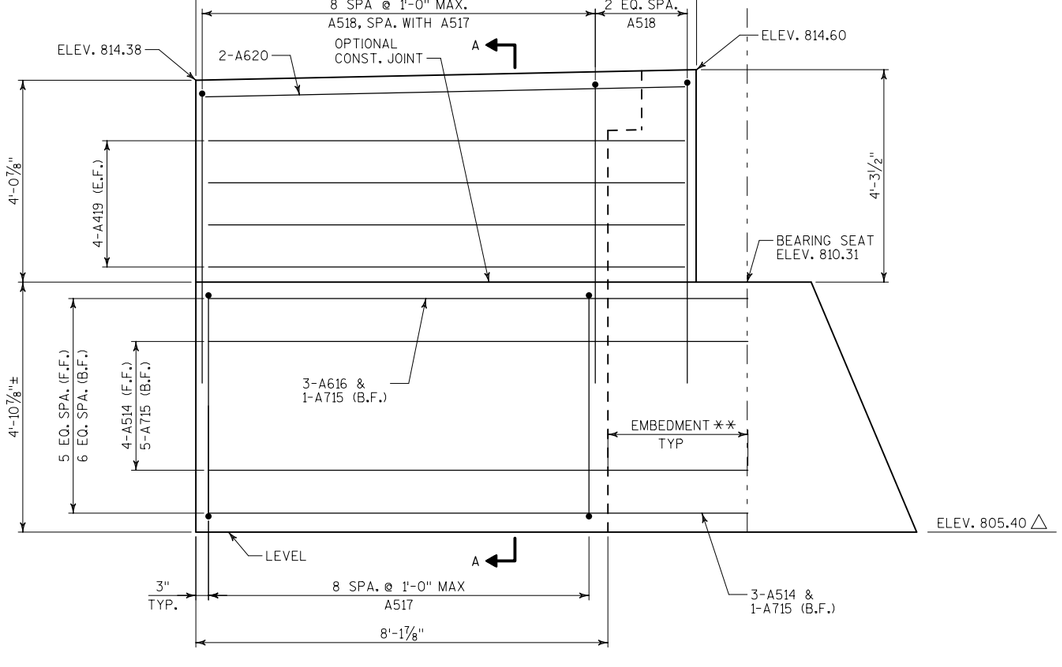
STATE PROJECT NUMBER

1022-08-73



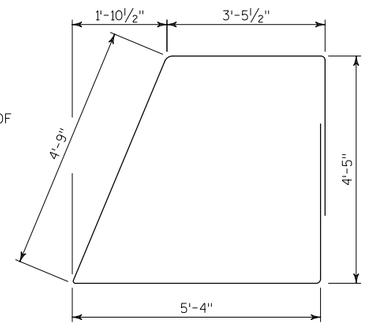
WING 1 PLAN

(ABUTMENT BODY REINFORCEMENT NOT SHOWN)

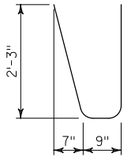


WING 1 ELEVATION

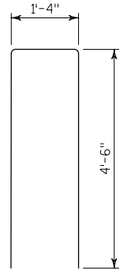
(ABUTMENT BODY REINFORCEMENT NOT SHOWN)



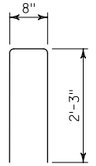
A505



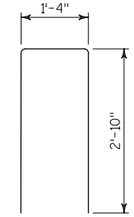
A406



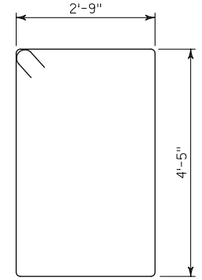
A507



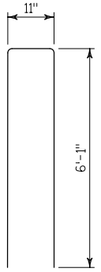
A509



A512



A517



A518



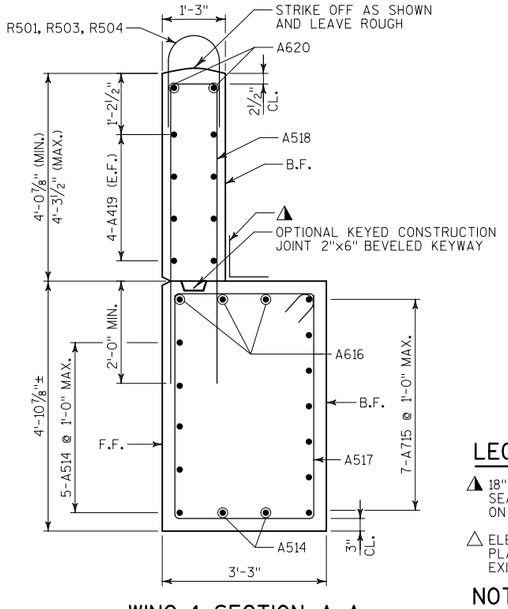
A421

NOTE:
BAR DIMENSIONS ARE OUT TO OUT OF BAR.
THE FIRST OR FIRST TWO DIGITS
OF A BAR MARK SIGNIFIES THE BAR SIZE

BILL OF BARS

	BAR MARK	COAT	NO REQ'D	LENGTH	BENT	BAR SERIES	LOCATION
*	A401	X	13	3'-7"			BODY HORIZONTAL DOWEL
*	A602	X	10	5'-3"			BODY HORIZONTAL DOWEL
	A403	X	7	6'-4"			BODY HORIZONTAL
	A604	X	9	6'-4"			BODY HORIZONTAL
	A505	X	8	19'-0"	X		BODY STIRRUP
	A406	X	8	5'-3"	X		BODY STIRRUP
	A507	X	6	10'-1"	X		BACKWALL STIRRUP
	A408	X	8	8'-0"			BACKWALL HORIZONTAL
	A509	X	8	4'-11"	X		PAVING BLOCK STIRRUP
#	A510	X	3	33'-1"			PAVING BLOCK HORIZONTAL
	A511						
	A512	X	2	6'-9"	X		BACKWALL STIRRUP
#	A513	X	3	17'-3"			PAVING BLOCK HORIZONTAL
	A514	X	7	9'-9"			WINGWALL BODY HORIZONTAL
	A715	X	7	10'-9"			WINGWALL BODY HORIZONTAL
	A616	X	3	10'-1"			WINGWALL BODY HORIZONTAL
	A517	X	9	14'-11"	X		WINGWALL BODY STIRRUP
	A518	X	11	12'-10"	X		WINGWALL STIRRUP
	A419	X	8	9'-7"			WINGWALL HORIZONTAL
	A620	X	2	9'-7"			WINGWALL HORIZONTAL
	A421	X	43	3'-4"	X		PAVING BLOCK STIRRUP

NOTE: FOR R501, R503, & R504 BARS, SEE SHEET 30.
BAR LENGTH GIVEN TO CONSTRUCTION JOINT. ADJUST LENGTH AS REQUIRED TO ACCOMMODATE BAR COUPLER.



WING 1 SECTION A-A

LEGEND:

△ 18" RUBBERIZED MEMBRANE WATERPROOFING. SEAL ALL HORIZONTAL AND VERTICAL JOINTS ON BACKFACE OF ABUTMENT.

△ ELEVATION FROM ORIGINAL CONSTRUCTION PLANS. NEW ELEVATION SHALL MATCH EXISTING AS CONSTRUCTED.

NOTES:

** MINIMUM EMBEDMENT
NO. 5 = 1'-9"
NO. 6 = 2'-1"
NO. 7 = 2'-9"

E.F. DENOTES EACH FACE
B.F. DENOTES BACK FACE
F.F. DENOTES FRONT FACE

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-18-25

DRAWN BY MHM | PLANS CK'D. AJB

WEST ABUTMENT DETAILS

SHEET 7 OF 31

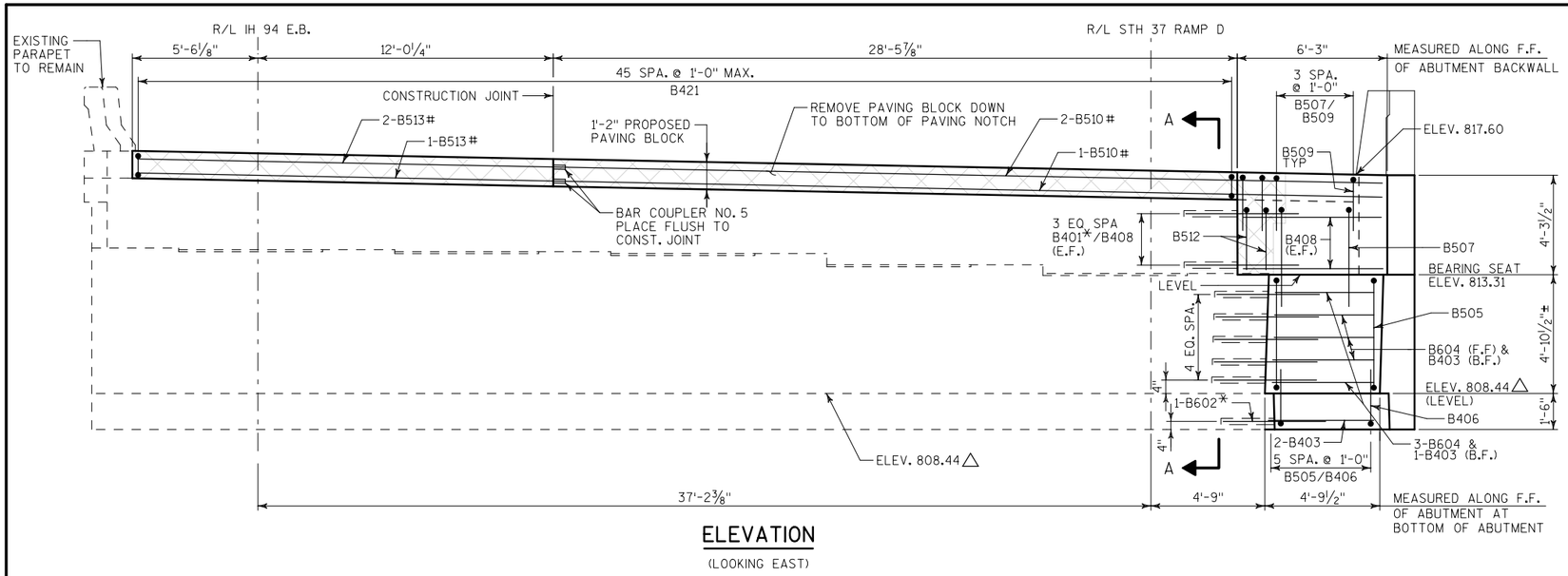
8

8

FILE NAME : B1825_080107_REV.dgn PLOT DATE : 01-FEB-2013 PLOT BY : jwahl B1825_080107_REV PLOT SCALE : 3:1

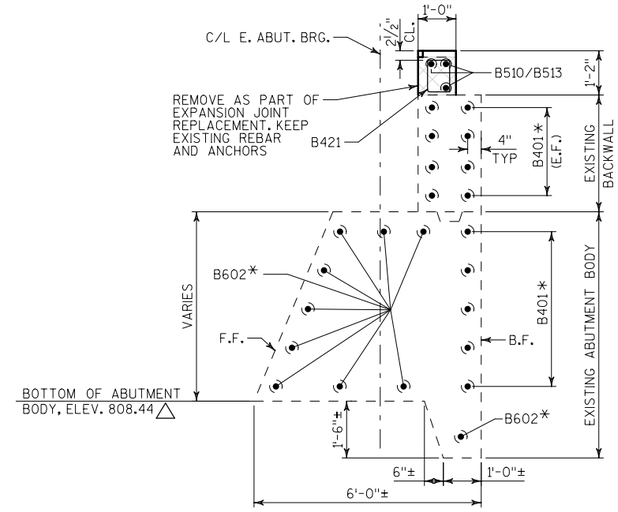
STATE PROJECT NUMBER

1022-08-73

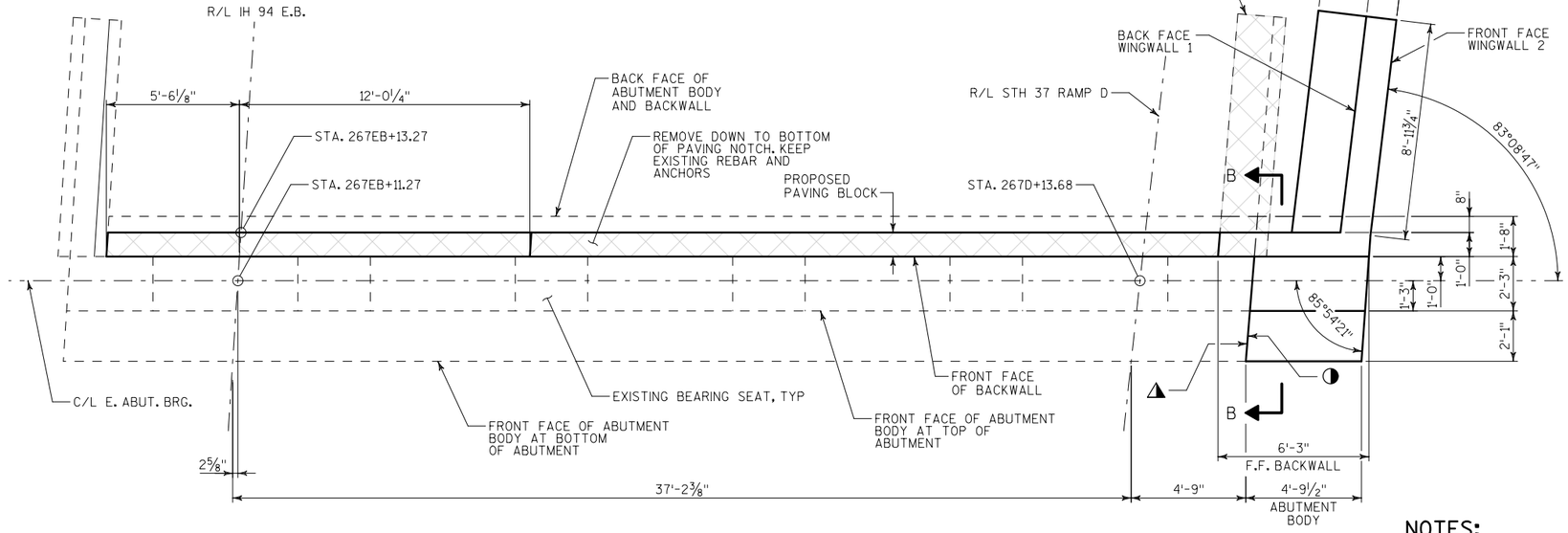


ELEVATION

(LOOKING EAST)



SECTION A-A



PLAN

SECTION B-B

LEGEND

- ▲ 18" RUBBERIZED MEMBRANE WATERPROOFING. SEAL ALL HORIZONTAL AND VERTICAL JOINTS ON BACKFACE OF ABUTMENT BODY
- △ ELEVATION FROM ORIGINAL CONSTRUCTION PLANS. NEW ELEVATION SHALL MATCH EXISTING AS CONSTRUCTED.
- ◑ ROUGHEN SURFACE OF CONCRETE ¼" DEEP MINIMUM AT ALL AREAS OF NEW TO EXISTING CONCRETE CONTACT.

NOTES:

* CONCRETE MASONRY ANCHOR, TYPE L:
  NO. 4 BARS MIN. PULLOUT CAPACITY OF 6 KIPS.
  EMBED 7½" INTO CONCRETE (LAP WITH B403 AND B408).
  NO. 6 BARS MIN. PULLOUT CAPACITY OF 7 KIPS.
  EMBED 1'-1" INTO CONCRETE (LAP WITH B604).

BAR LENGTH SHOWN ON SHEET 9 GIVEN TO CONSTRUCTION JOINT. ADJUST LENGTH AS REQUIRED TO ACCOMMODATE BAR COUPLER.

E.F. DENOTES EACH FACE
B.F. DENOTES BACK FACE
F.F. DENOTES FRONT FACE

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-18-25

DRAWN BY JLK | PLANS CK'D. AJB

EAST ABUTMENT

SHEET 8 OF 31

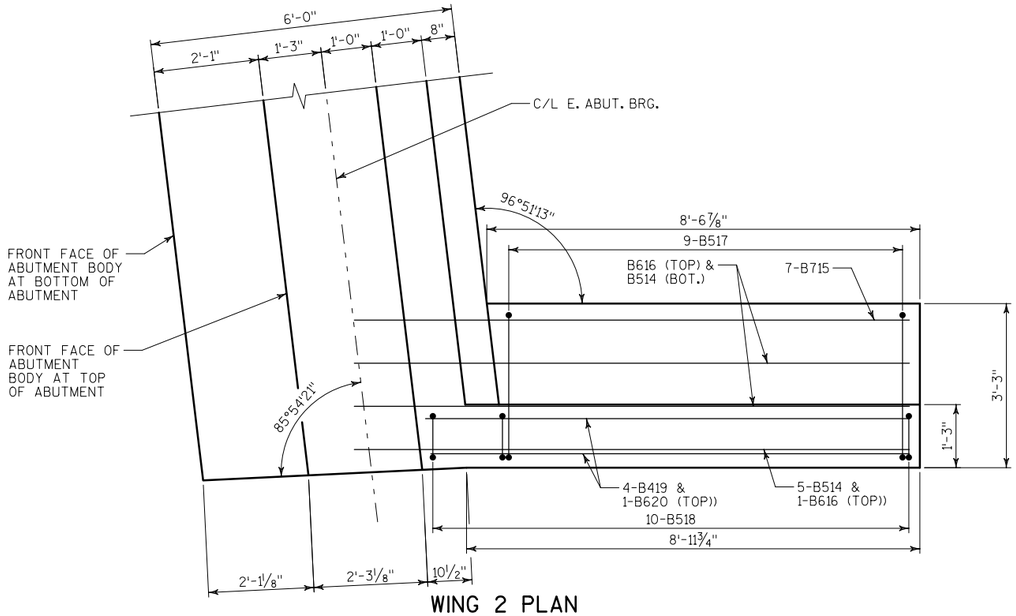
8

8

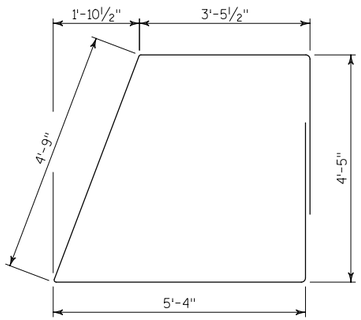
FILE NAME : B1825_080108_REV.dgn PLOT DATE : 01-FEB-2013 PLOT BY : jwahl B1825_080108_REV PLOT SCALE : 6:1

STATE PROJECT NUMBER

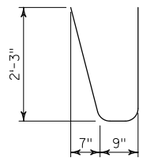
1022-08-73



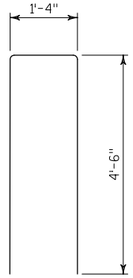
WING 2 PLAN



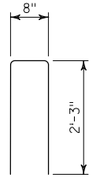
B505



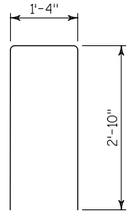
B406



B507



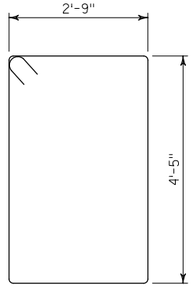
B509



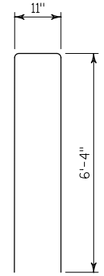
B512



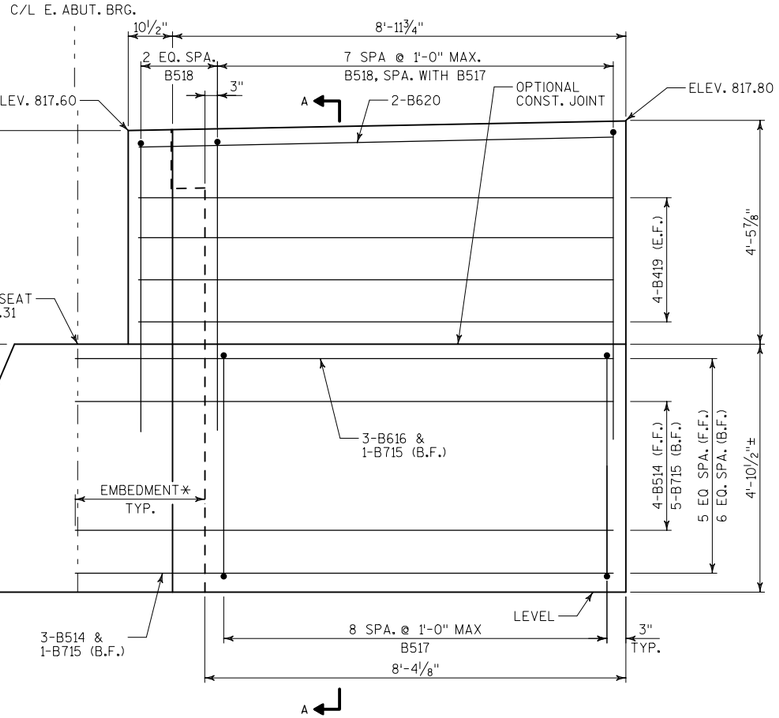
B421



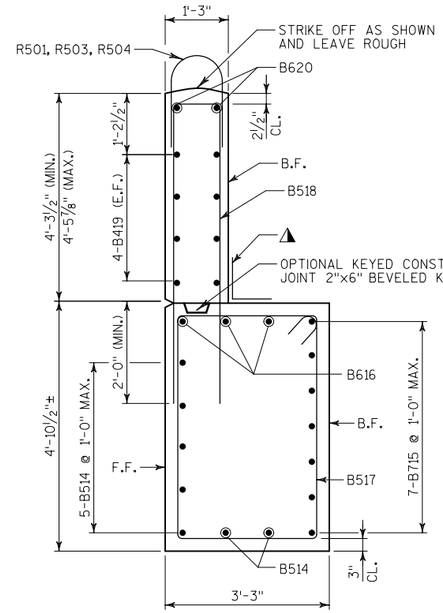
B517



B518



WING 2 ELEVATION



WING 2 SECTION A-A

BILL OF BARS

NOTE:
BAR DIMENSIONS ARE OUT TO OUT OF BAR.
THE FIRST OR FIRST TWO DIGITS
OF A BAR MARK SIGNIFIES THE BAR SIZE

	BAR MARK	COAT	NO REQ'D	LENGTH	BENT	BAR SERIES	LOCATION
*	B401	X	13	3'-7"			BODY HORIZONTAL DOWEL
*	B602	X	10	5'-3"			BODY HORIZONTAL DOWEL
	B403	X	7	4'-5"			BODY HORIZONTAL
	B604	X	9	4'-5"			BODY HORIZONTAL
	B505	X	6	19'-0"	X		BODY STIRRUP
	B406	X	6	5'-3"	X		BODY STIRRUP
	B507	X	4	10'-1"	X		BACKWALL STIRRUP
	B408	X	8	5'-10"			BACKWALL HORIZONTAL
	B509	X	6	4'-11"	X		PAVING BLOCK STIRRUP
#	B510	X	3	34'-4"			PAVING BLOCK HORIZONTAL
	B511						
	B512	X	2	6'-9"	X		BACKWALL STIRRUP
#	B513	X	3	17'-3"			PAVING BLOCK HORIZONTAL
	B514	X	7	9'-9"			WINGWALL BODY HORIZONTAL
	B715	X	7	10'-9"			WINGWALL BODY HORIZONTAL
	B616	X	3	10'-1"			WINGWALL BODY HORIZONTAL
	B517	X	9	14'-11"	X		WINGWALL BODY STIRRUP
	B518	X	10	13'-4"	X		WINGWALL STIRRUP
	B419	X	8	9'-7"			WINGWALL HORIZONTAL
	B620	X	2	9'-7"			WINGWALL HORIZONTAL
	B421	X	46	3'-4"	X		PAVING BLOCK STIRRUP

NOTE: FOR R501, R503, & R504 BARS, SEE SHEET 30.
BAR LENGTH GIVEN TO CONSTRUCTION JOINT. ADJUST LENGTH AS REQUIRED TO ACCOMMODATE BAR COUPLER.

LEGEND:

▲ 18" RUBBERIZED MEMBRANE WATERPROOFING. SEAL ALL HORIZONTAL AND VERTICAL JOINTS ON BACKFACE OF ABUTMENT.

△ ELEVATION FROM ORIGINAL CONSTRUCTION PLANS. NEW ELEVATION SHALL MATCH EXISTING AS CONSTRUCTED.

NOTES:

** MINIMUM EMBEDMENT
NO. 5 = 1'-9"
NO. 6 = 2'-1"
NO. 7 = 2'-9"

E.F. DENOTES EACH FACE
B.F. DENOTES BACK FACE
F.F. DENOTES FRONT FACE

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-18-25

DRAWN BY MHM | PLANS CK'D. AJB

EAST ABUTMENT DETAILS

SHEET 9 OF 31

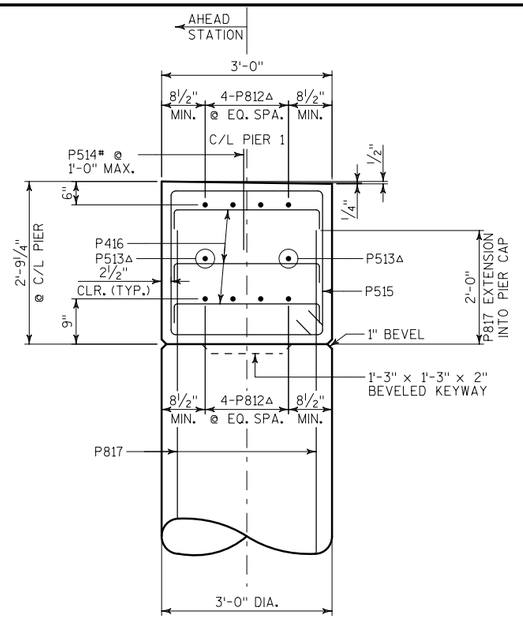
8

8

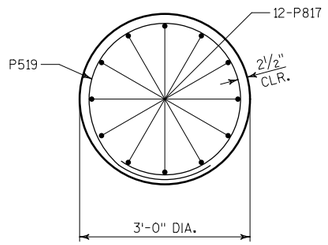
FILE NAME : B1825_080109_REV.dgn PLOT DATE : 01-FEB-2013 PLOT BY : jwahl B1825_080109_REV PLOT SCALE : 3:1

STATE PROJECT NUMBER

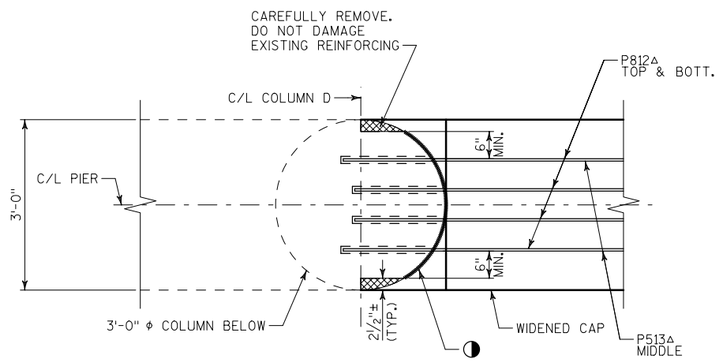
1022-08-73



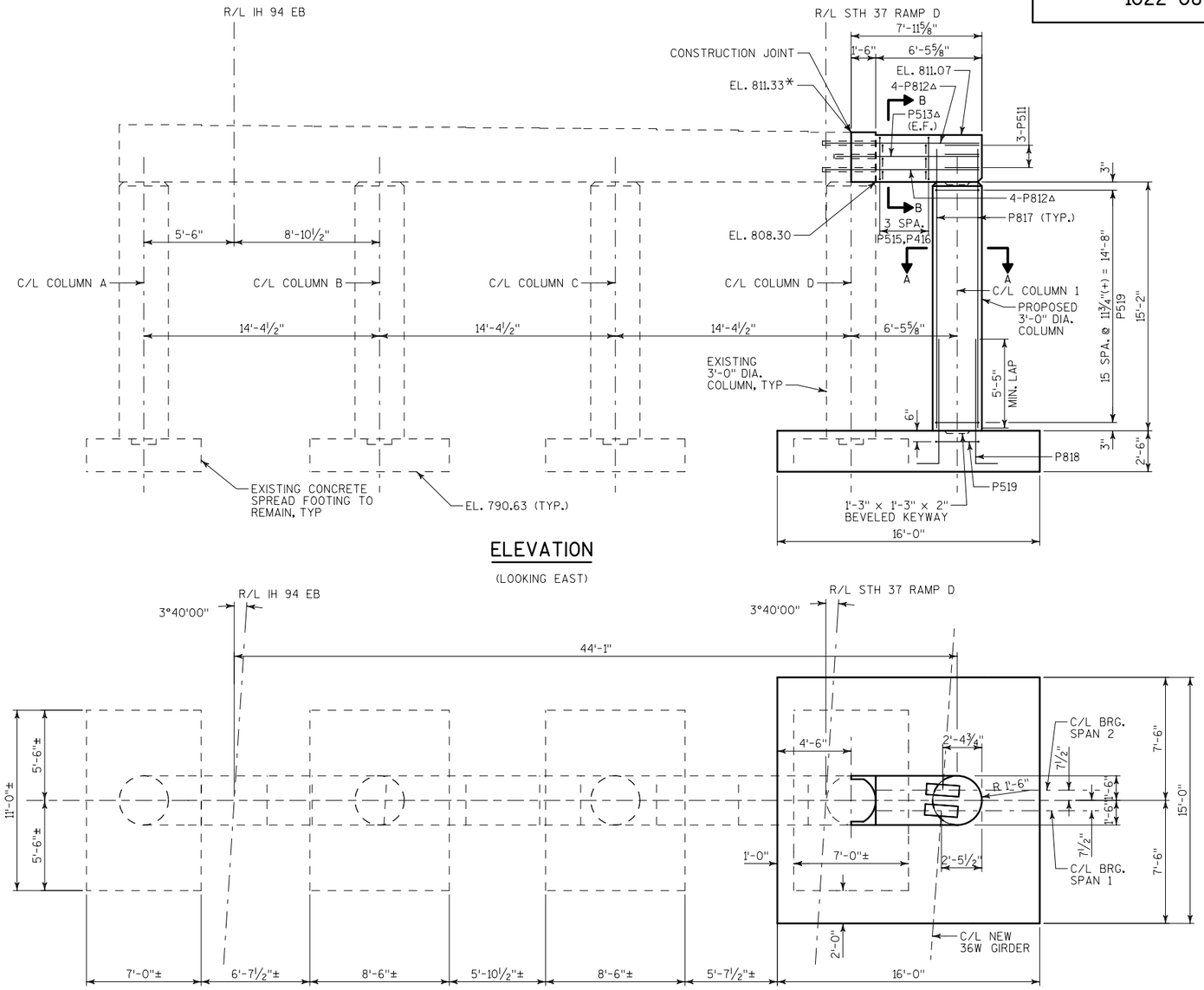
SECTION B-B



SECTION A-A



PLAN VIEW OF END OF PIER CAP



ELEVATION

(LOOKING EAST)

PLAN

LEGEND:

* ELEVATION FROM SURVEY, ALL OTHER ELEVATIONS FROM EXISTING BRIDGE PLANS. ALL PIER CAP ELEVATIONS GIVEN ALONG C/L PIER.

BARS MAY BE PLACED AFTER CONCRETE HAS BEEN POURED BUT BEFORE INITIAL SET HAS TAKEN PLACE

Δ CONCRETE MASONRY ANCHOR, TYPE L:
NO. 5 BARS MIN. PULLOUT CAPACITY OF 6 KIPS. EMBED 10½" INTO CONCRETE.
NO. 8 BARS MIN. PULLOUT CAPACITY OF 8 KIPS. EMBED 1'-7" INTO CONCRETE.

◑ ROUGHEN SURFACE OF CONCRETE ¼" DEEP MINIMUM AT ALL AREAS OF NEW TO EXISTING CONCRETE CONTACT.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-18-25

DRAWN BY JLK | PLANS CK'D. CWM

PIER 1

SHEET 10 OF 31

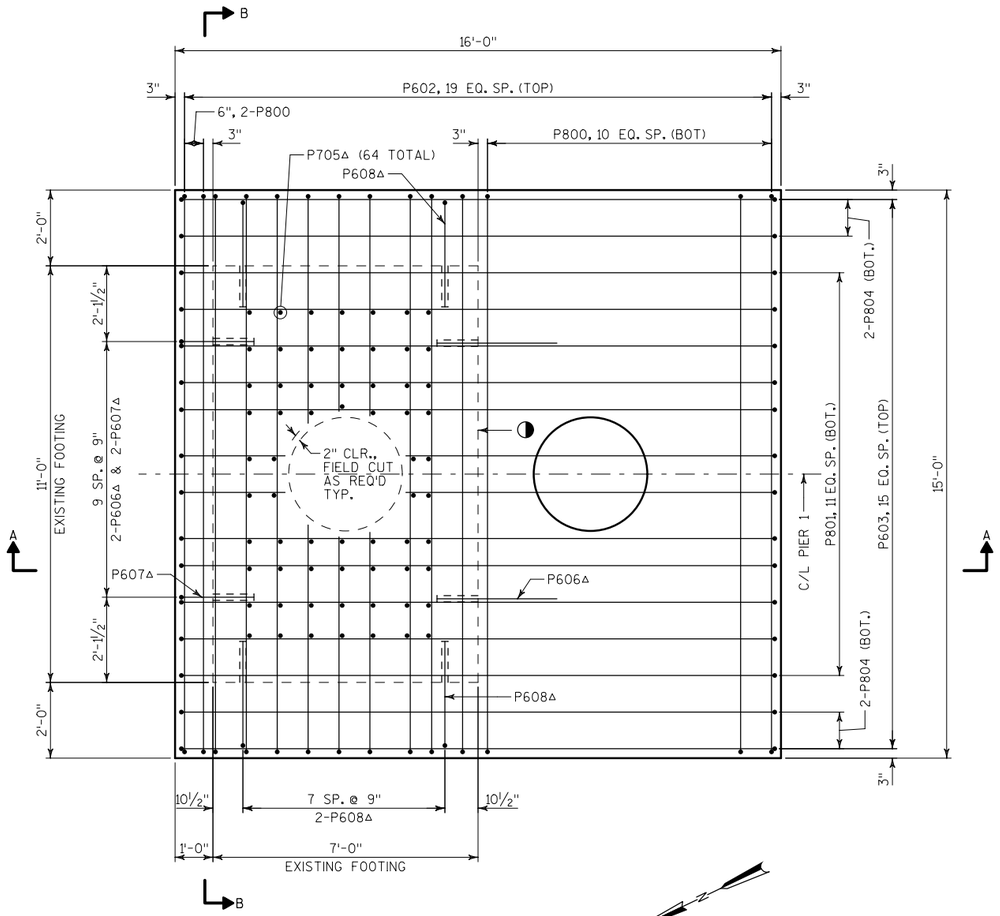
8

8

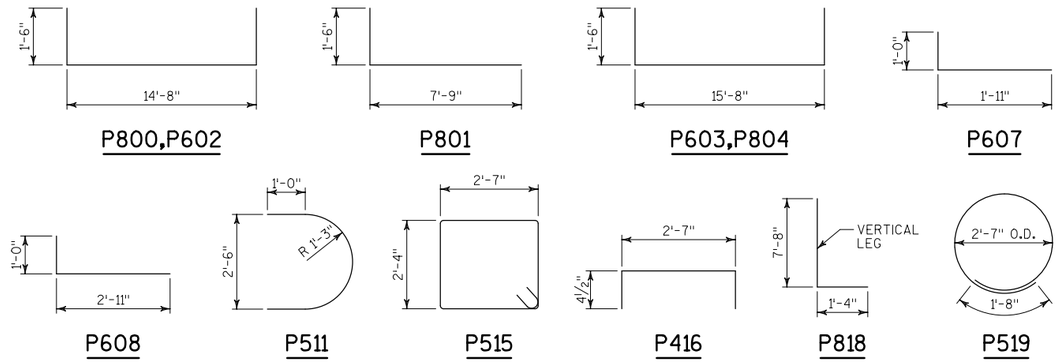
FILE NAME : B1825_080110_REV.dgn PLOT DATE : 01-FEB-2013 PLOT BY : jwahl B1825_080110_REV PLOT SCALE : 8:1

STATE PROJECT NUMBER

1022-08-73



FOOTING PLAN



BILL OF BARS

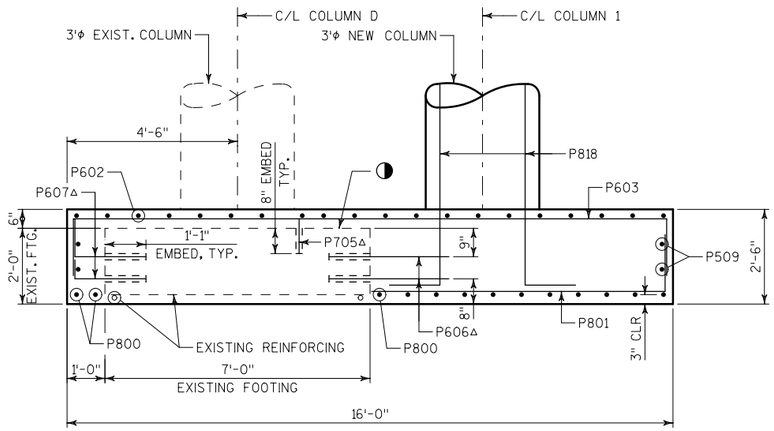
NOTE:
BAR DIMENSIONS ARE OUT TO OUT OF BAR.
THE FIRST OR FIRST TWO DIGITS
OF A BAR MARK SIGNIFIES THE BAR SIZE

	BAR MARK	COAT	NO REQ'D	LENGTH	BENT	BAR SERIES	LOCATION
	P800		13	17'-3"	X		FOOTING BOTTOM
	P801		12	9'-1"	X		FOOTING BOTTOM
	P602		20	17'-4"	X		FOOTING TOP
	P603		16	18'-4"	X		FOOTING TOP
	P804		4	18'-3"	X		FOOTING BOTTOM
Δ	P705		64	0'-11"			FOOTING DOWEL
Δ	P606		20	3'-2"			FOOTING DOWEL
Δ	P607		20	2'-9"	X		FOOTING DOWEL
Δ	P608		32	3'-9"	X		FOOTING DOWEL
	P509		4	14'-8"			FOOTING SIDE
	P510		4	15'-8"			FOOTING SIDE
	P511	X	3	5'-11"	X		PIER CAP END
Δ	P812	X	8	7'-10"			PIER CAP DOWEL HORIZONTAL
Δ	P513	X	2	7'-1"			PIER CAP DOWEL HORIZONTAL
#	P514	X	4	2'-0"			PIER CAP DOWEL VERTICAL
	P515	X	4	10'-5"	X		PIER CAP STIRRUP
	P416	X	12	3'-2"	X		PIER CAP HAIRPIN
	P817	X	12	17'-0"			COLUMN VERTICAL
	P818	X	12	8'-10"	X		FOOTING TO COLUMN VERTICAL DOWEL
	P519	X	17	9'-8"	X		COLUMN HOOPS

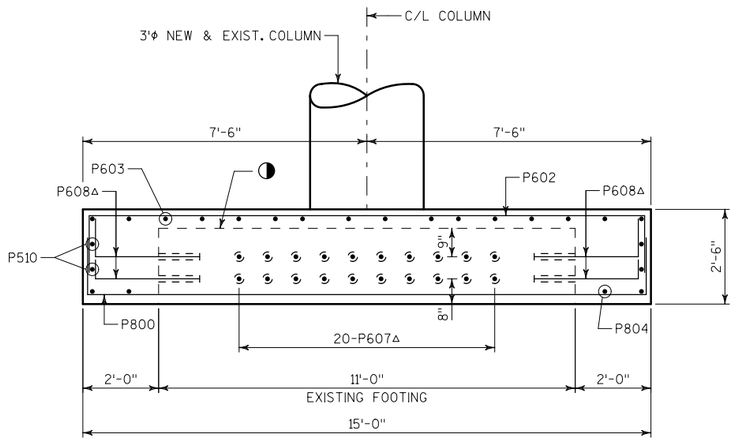
BARS MAY BE PLACED AFTER CONCRETE HAS BEEN POURED BUT BEFORE INITIAL SET HAS TAKEN PLACE.

Δ CONCRETE MASONRY ANCHOR, TYPE L:
NO. 5 BARS MIN. PULLOUT CAPACITY OF 6 KIPS.
EMBED 10½" INTO CONCRETE.
NO. 6 BARS MIN. PULLOUT CAPACITY OF 6 KIPS.
EMBED 1'-1" INTO CONCRETE.
NO. 7 BARS MIN. PULLOUT CAPACITY OF 8 KIPS.
EMBED 8" INTO CONCRETE.
NO. 8 BARS MIN. PULLOUT CAPACITY OF 8 KIPS.
EMBED 1'-7" INTO CONCRETE.

◑ ROUGHEN SURFACE OF CONCRETE 1#4" DEEP MINIMUM AT ALL AREAS OF NEW TO EXISTING CONCRETE CONTACT.



SECTION A-A



SECTION B-B

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-18-25

DRAWN BY JLK | PLANS CK'D. AJB

PIER 1 DETAILS

SHEET 11 OF 31

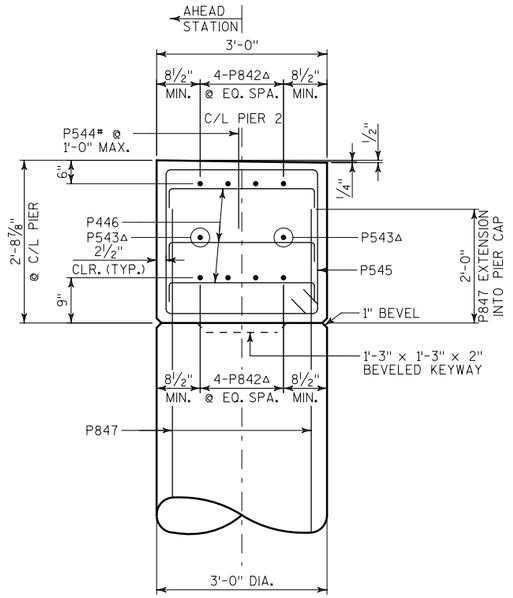
8

8

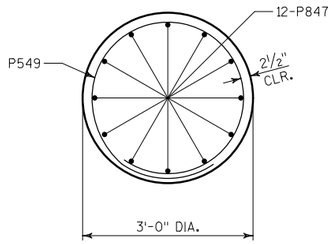
FILE NAME : B1825_080111_REV.dgn PLOT DATE : 01-FEB-2013 PLOT BY : jwahl B1825_080111_REV PLOT SCALE : 4:1

STATE PROJECT NUMBER

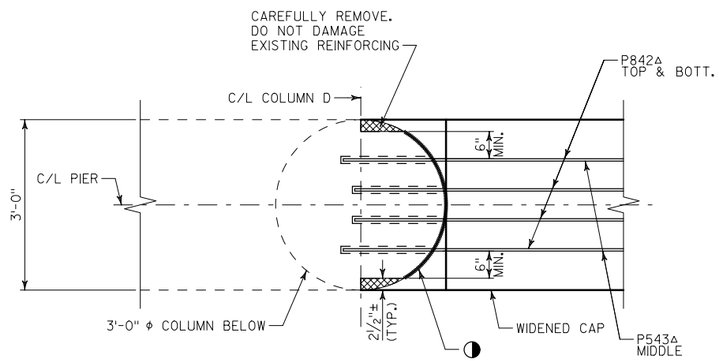
1022-08-73



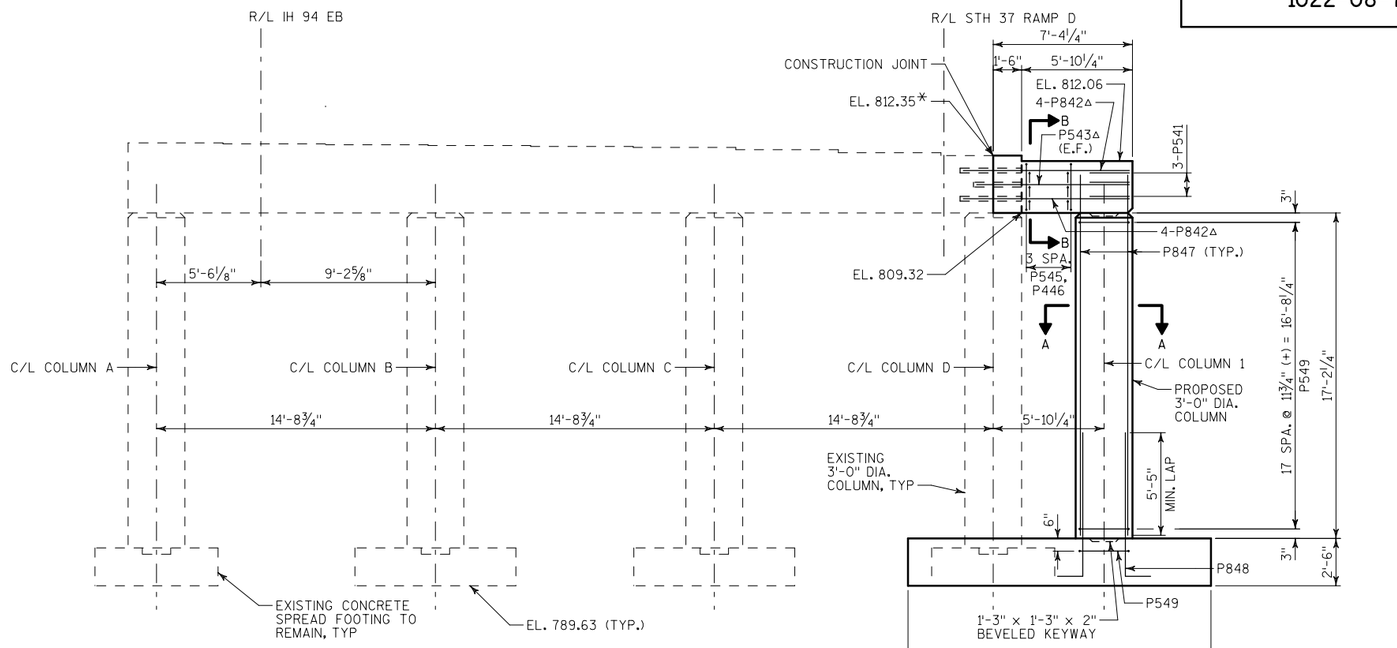
SECTION B-B



SECTION A-A

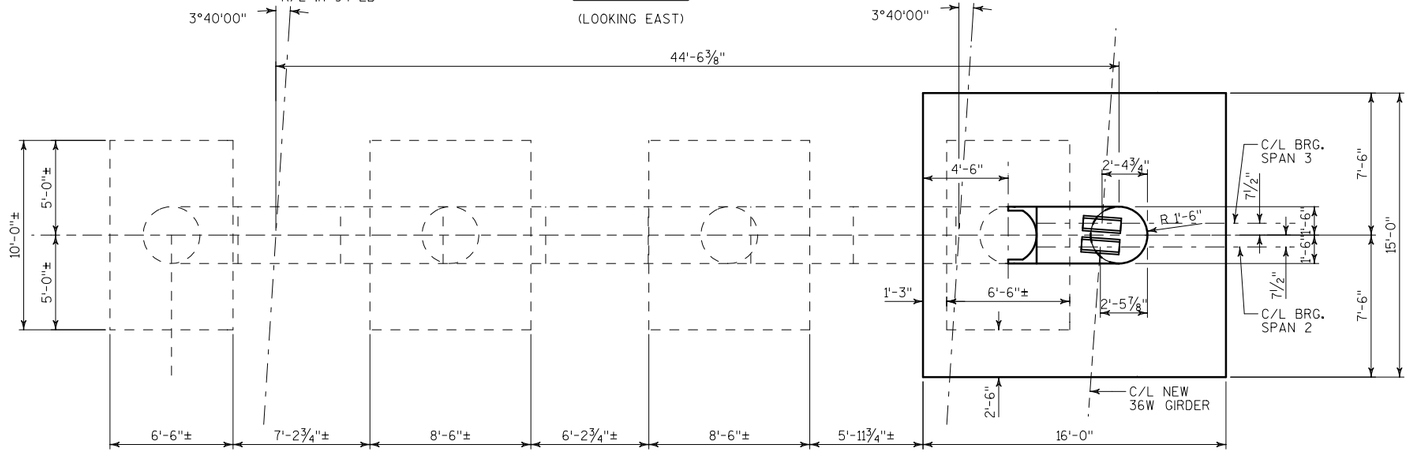


PLAN VIEW OF END OF PIER CAP



ELEVATION

(LOOKING EAST)



PLAN

LEGEND:

* ELEVATION FROM SURVEY, ALL OTHER ELEVATIONS FROM EXISTING BRIDGE PLANS. ALL PIER CAP ELEVATIONS GIVEN ALONG C/L PIER.

BARS MAY BE PLACED AFTER CONCRETE HAS BEEN POURED BUT BEFORE INITIAL SET HAS TAKEN PLACE

Δ CONCRETE MASONRY ANCHOR, TYPE L:
NO. 5 BARS MIN. PULLOUT CAPACITY OF 6 KIPS. EMBED 10½" INTO CONCRETE.
NO. 8 BARS MIN. PULLOUT CAPACITY OF 8 KIPS. EMBED 1'-7" INTO CONCRETE.

◑ ROUGHEN SURFACE OF CONCRETE ¼" DEEP MINIMUM AT ALL AREAS OF NEW TO EXISTING CONCRETE CONTACT.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-18-25

DRAWN BY JLK | PLANS CK'D. CWM

PIER 2

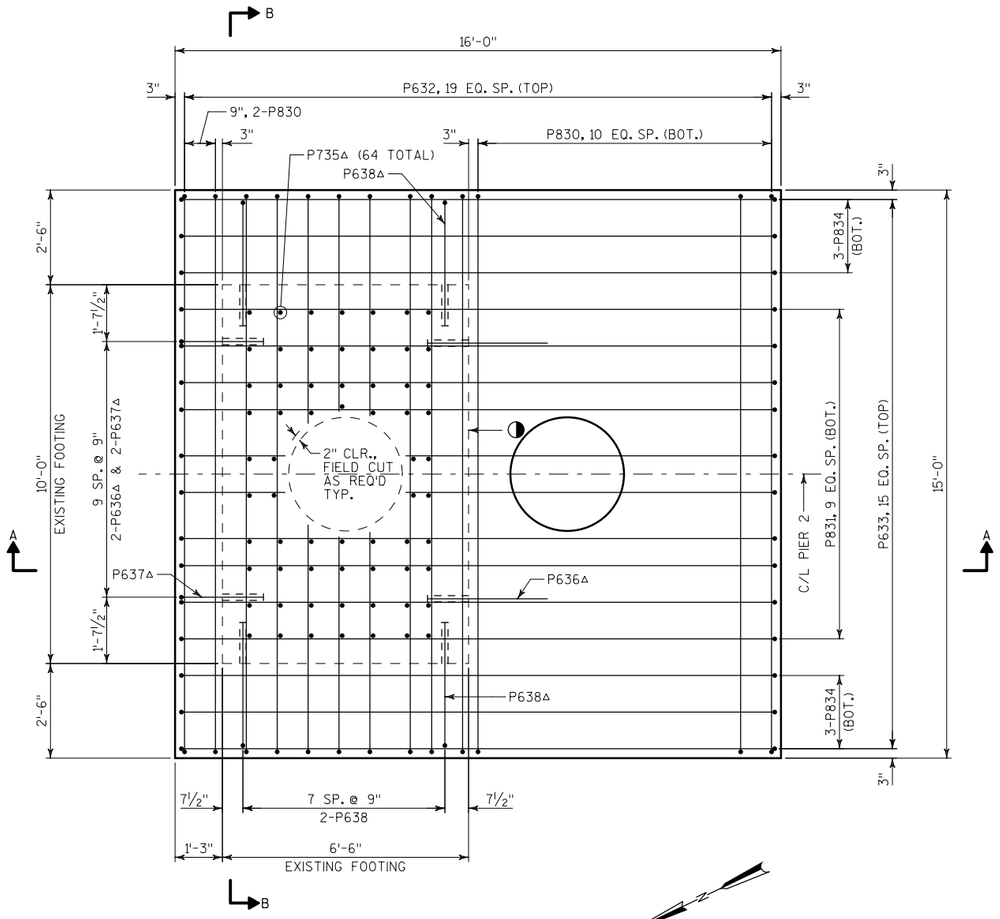
SHEET 12 OF 31

8

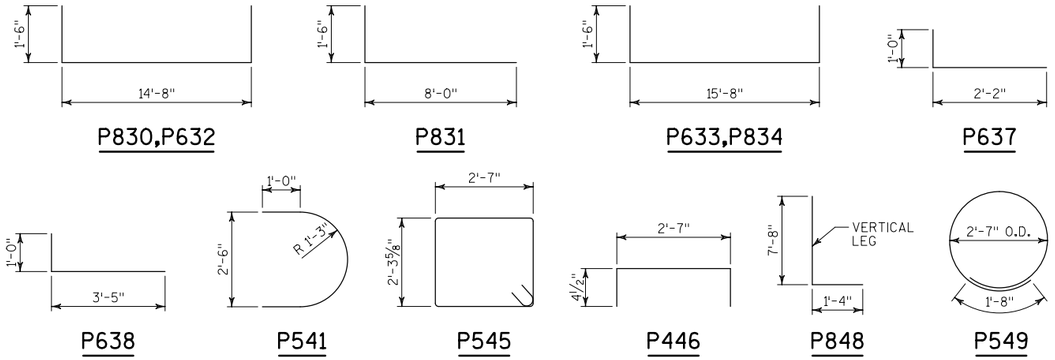
8

STATE PROJECT NUMBER

1022-08-73



FOOTING PLAN



BILL OF BARS

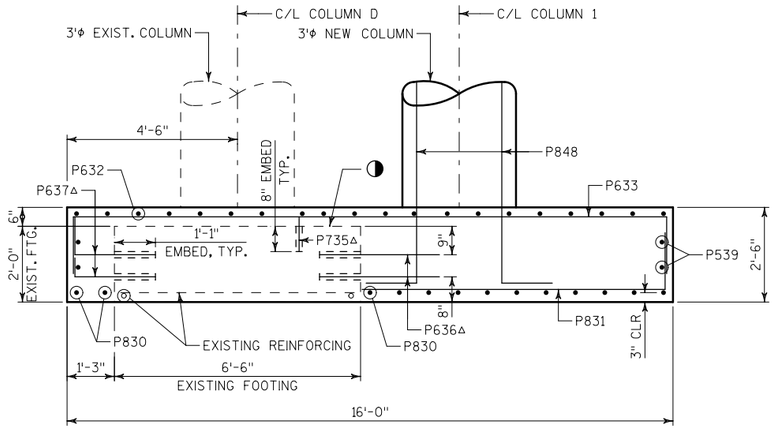
NOTE:
BAR DIMENSIONS ARE OUT TO OUT OF BAR.
THE FIRST OR FIRST TWO DIGITS
OF A BAR MARK SIGNIFIES THE BAR SIZE

	BAR MARK	COAT	NO REQ'D	LENGTH	BENT	BAR SERIES	LOCATION
	P830		13	17'-3"	X		FOOTING BOTTOM
	P831		10	9'-4"	X		FOOTING BOTTOM
	P632		20	17'-4"	X		FOOTING TOP
	P633		16	18'-4"	X		FOOTING TOP
	P834		6	18'-3"	X		FOOTING BOTTOM
Δ	P735		64	0'-11"			FOOTING DOWEL
Δ	P636		20	3'-2"			FOOTING DOWEL
Δ	P637		20	3'-0"	X		FOOTING DOWEL
Δ	P638		32	4'-3"	X		FOOTING DOWEL
	P539		4	14'-8"			FOOTING SIDE
	P540		4	15'-8"			FOOTING SIDE
	P541	X	3	5'-11"	X		PIER CAP END
Δ	P842	X	8	7'-3"			PIER CAP DOWEL HORIZONTAL
Δ	P543	X	2	6'-6"			PIER CAP DOWEL HORIZONTAL
#	P544	X	3	2'-0"			PIER CAP DOWEL VERTICAL
	P545	X	4	10'-4"	X		PIER CAP STIRRUP
	P446	X	12	3'-2"	X		PIER CAP HAIRPIN
	P847	X	12	19'-0"			COLUMN VERTICAL
	P848	X	12	8'-10"	X		FOOTING TO COLUMN VERTICAL DOWEL
	P549	X	19	9'-8"	X		COLUMN HOOPS

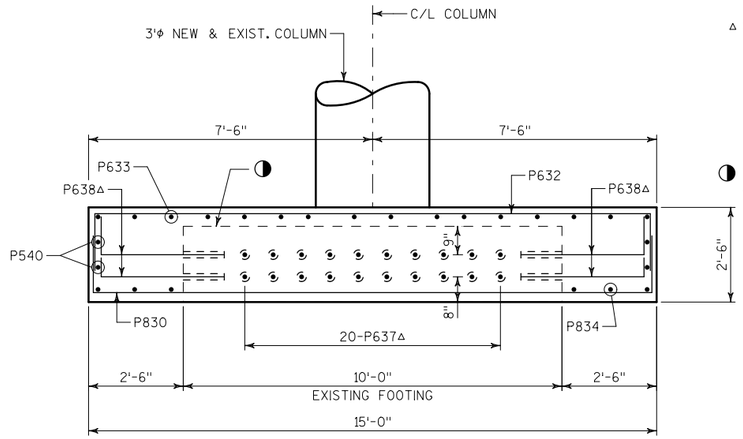
BARS MAY BE PLACED AFTER CONCRETE HAS BEEN POURED BUT BEFORE INITIAL SET HAS TAKEN PLACE.

Δ CONCRETE MASONRY ANCHOR, TYPE L:
NO. 5 BARS MIN. PULLOUT CAPACITY OF 6 KIPS.
EMBED 10½" INTO CONCRETE.
NO. 6 BARS MIN. PULLOUT CAPACITY OF 6 KIPS.
EMBED 1'-1" INTO CONCRETE.
NO. 7 BARS MIN. PULLOUT CAPACITY OF 8 KIPS.
EMBED 8" INTO CONCRETE.
NO. 8 BARS MIN. PULLOUT CAPACITY OF 8 KIPS.
EMBED 1'-7" INTO CONCRETE.

◑ ROUGHEN SURFACE OF CONCRETE 1#4" DEEP MINIMUM AT ALL AREAS OF NEW TO EXISTING CONCRETE CONTACT.



SECTION A-A



SECTION B-B

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-18-25

DRAWN BY JLK | PLANS CK'D. AJB

PIER 2 DETAILS

SHEET 13 OF 31

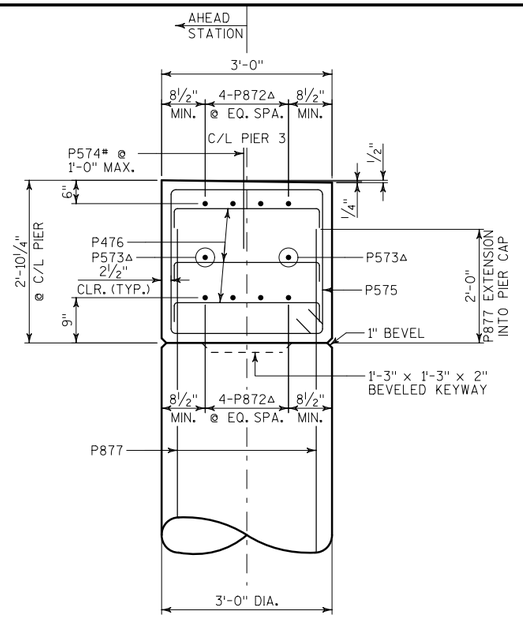
8

8

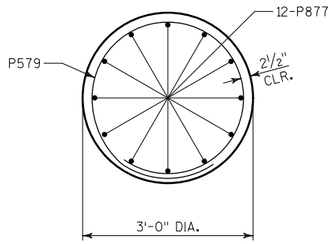
FILE NAME : B1825_080113_REV.dgn PLOT DATE : 01-FEB-2013 PLOT BY : jwahl B1825_080113_REV PLOT SCALE : 4:1

STATE PROJECT NUMBER

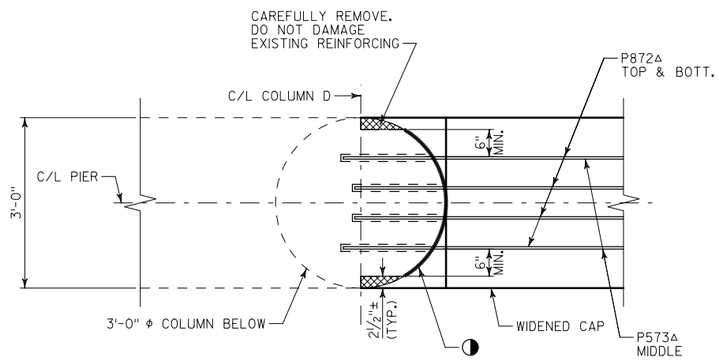
1022-08-73



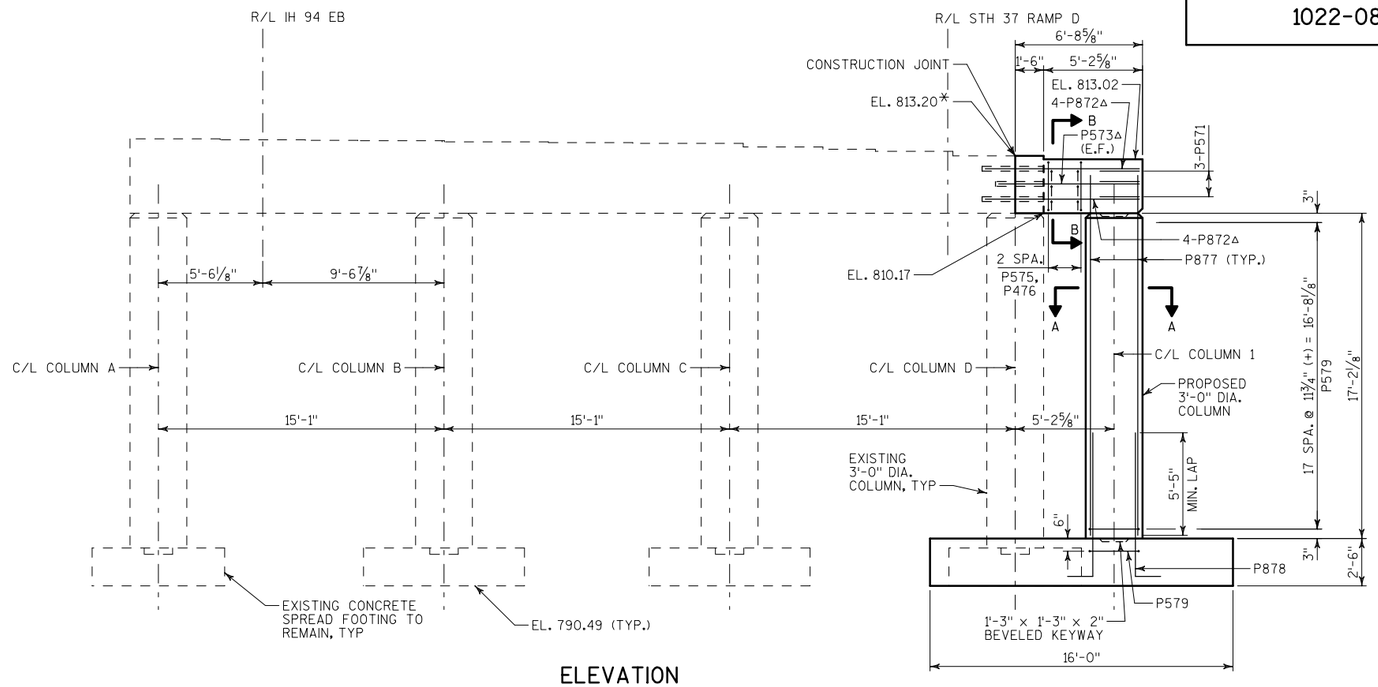
SECTION B-B



SECTION A-A

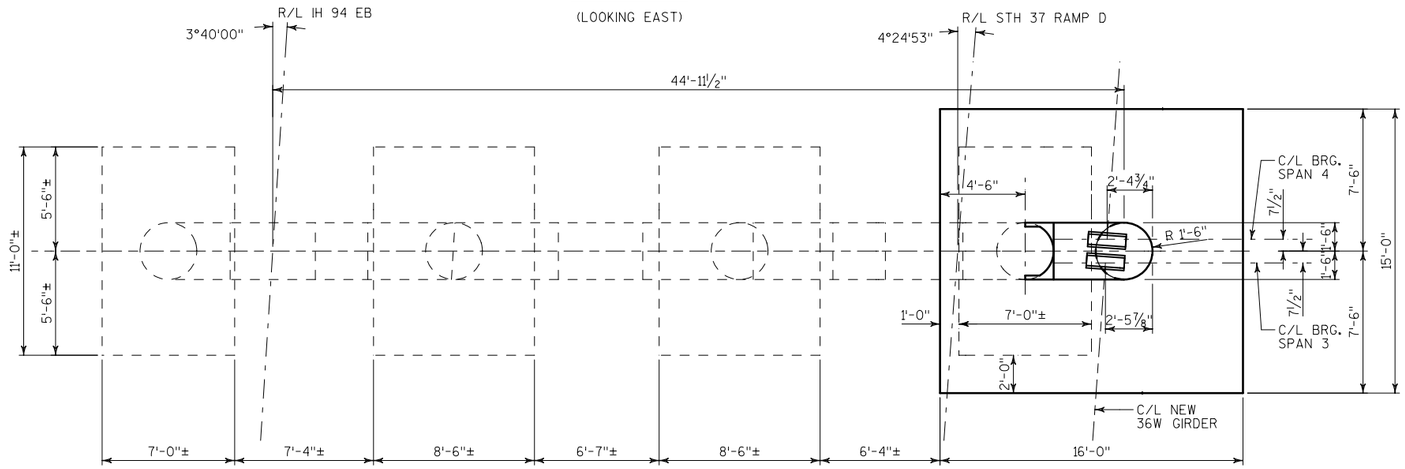


PLAN VIEW OF END OF PIER CAP



ELEVATION

(LOOKING EAST)



PLAN

LEGEND:

* ELEVATION FROM SURVEY. ALL OTHER ELEVATIONS FROM EXISTING BRIDGE PLANS. ALL PIER CAP ELEVATIONS GIVEN ALONG C/L PIER.

BARS MAY BE PLACED AFTER CONCRETE HAS BEEN POURED BUT BEFORE INITIAL SET HAS TAKEN PLACE

Δ CONCRETE MASONRY ANCHOR, TYPE L:
NO. 5 BARS MIN. PULLOUT CAPACITY OF 6 KIPS. EMBED 10½" INTO CONCRETE.
NO. 8 BARS MIN. PULLOUT CAPACITY OF 8 KIPS. EMBED 1'-7" INTO CONCRETE.

◑ ROUGHEN SURFACE OF CONCRETE ¼" DEEP MINIMUM AT ALL AREAS OF NEW TO EXISTING CONCRETE CONTACT.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-18-25

DRAWN BY JLK | PLANS CK'D. CWM

PIER 3

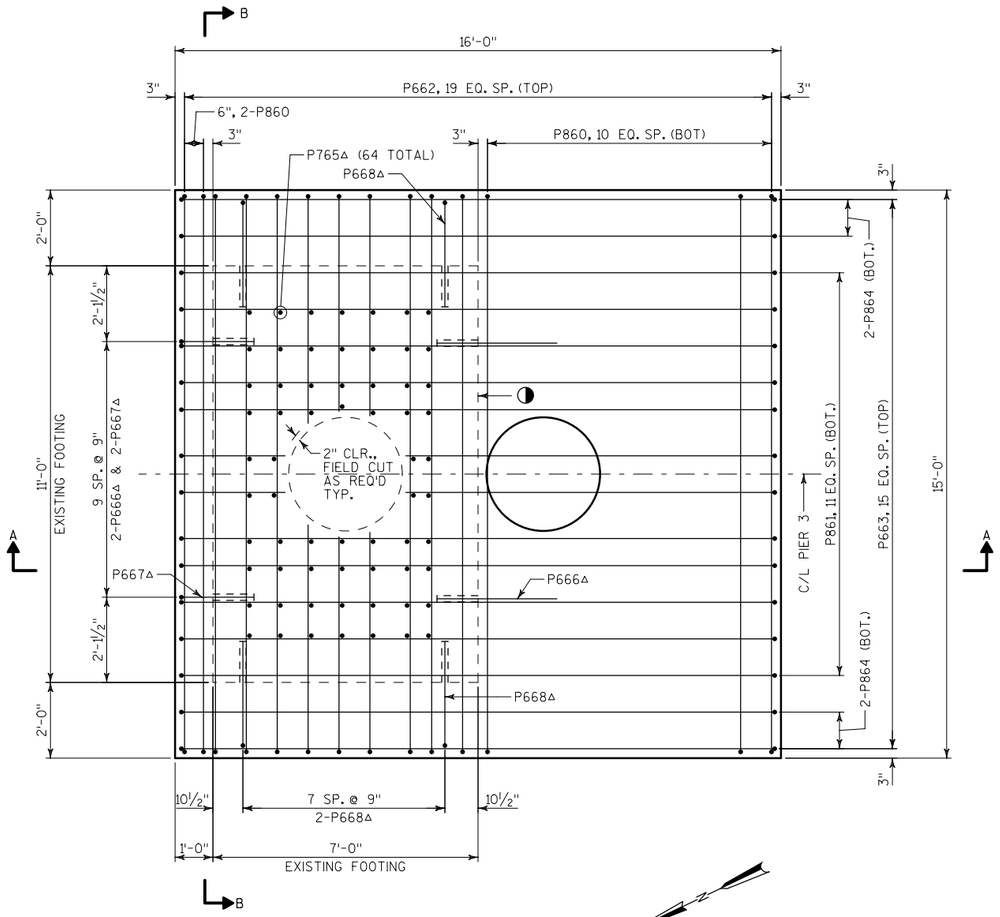
SHEET 14 OF 31

8

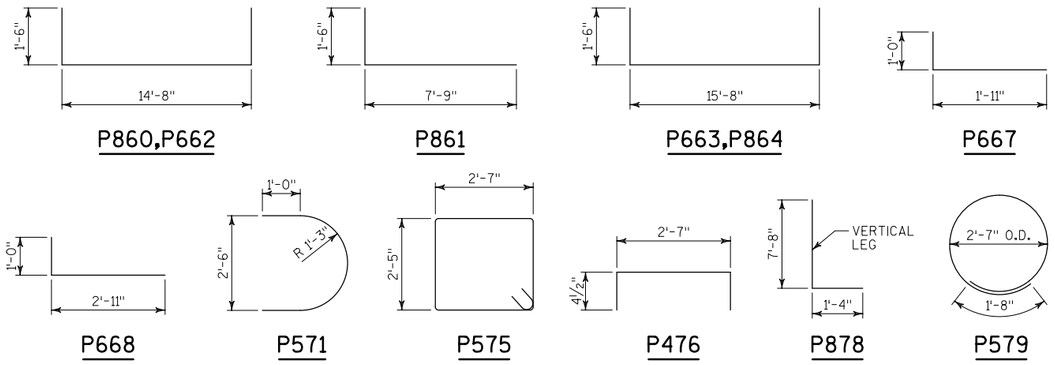
8

STATE PROJECT NUMBER

1022-08-73



FOOTING PLAN



NOTE:
BAR DIMENSIONS ARE OUT TO OUT OF BAR.
THE FIRST OR FIRST TWO DIGITS
OF A BAR MARK SIGNIFIES THE BAR SIZE

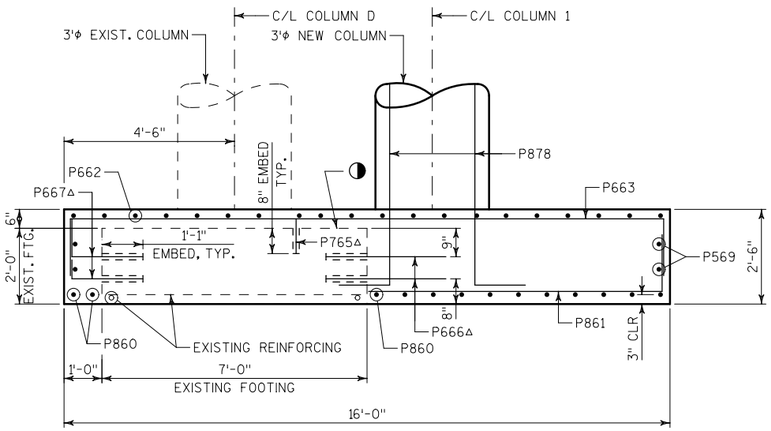
BILL OF BARS

	BAR MARK	COAT	NO REQ'D	LENGTH	BENT	BAR SERIES	LOCATION
	P860		13	17'-3"	X		FOOTING BOTTOM
	P861		12	9'-1"	X		FOOTING BOTTOM
	P662		20	17'-4"	X		FOOTING TOP
	P663		16	18'-4"	X		FOOTING TOP
	P864		4	18'-3"	X		FOOTING BOTTOM
Δ	P765		64	0'-11"			FOOTING DOWEL
Δ	P666		20	3'-2"			FOOTING DOWEL
Δ	P667		20	2'-9"	X		FOOTING DOWEL
Δ	P668		32	3'-9"	X		FOOTING DOWEL
	P569		4	14'-8"			FOOTING SIDE
	P570		4	15'-8"			FOOTING SIDE
	P571	X	3	5'-11"	X		PIER CAP END
Δ	P872	X	8	6'-7"			PIER CAP DOWEL HORIZONTAL
Δ	P573	X	2	5'-10"			PIER CAP DOWEL HORIZONTAL
#	P574	X	3	2'-0"			PIER CAP DOWEL VERTICAL
	P575	X	3	10'-7"	X		PIER CAP STIRRUP
	P476	X	9	3'-2"	X		PIER CAP HAIRPIN
	P877	X	12	19'-0"			COLUMN VERTICAL
	P878	X	12	8'-10"	X		FOOTING TO COLUMN VERTICAL DOWEL
	P579	X	19	9'-8"	X		COLUMN HOOPS

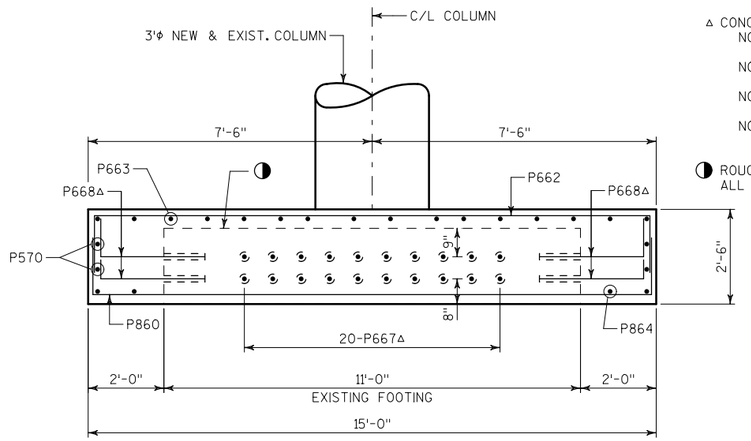
BARS MAY BE PLACED AFTER CONCRETE HAS BEEN POURED BUT BEFORE INITIAL SET HAS TAKEN PLACE.

Δ CONCRETE MASONRY ANCHOR, TYPE L:
NO. 5 BARS MIN. PULLOUT CAPACITY OF 6 KIPS.
EMBED 10½" INTO CONCRETE.
NO. 6 BARS MIN. PULLOUT CAPACITY OF 6 KIPS.
EMBED 1'-1" INTO CONCRETE.
NO. 7 BARS MIN. PULLOUT CAPACITY OF 8 KIPS.
EMBED 8" INTO CONCRETE.
NO. 8 BARS MIN. PULLOUT CAPACITY OF 8 KIPS.
EMBED 1'-7" INTO CONCRETE.

◑ ROUGHEN SURFACE OF CONCRETE 1#4" DEEP MINIMUM AT ALL AREAS OF NEW TO EXISTING CONCRETE CONTACT.



SECTION A-A



SECTION B-B

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-18-25

DRAWN BY JLK | PLANS CK'D. AJB

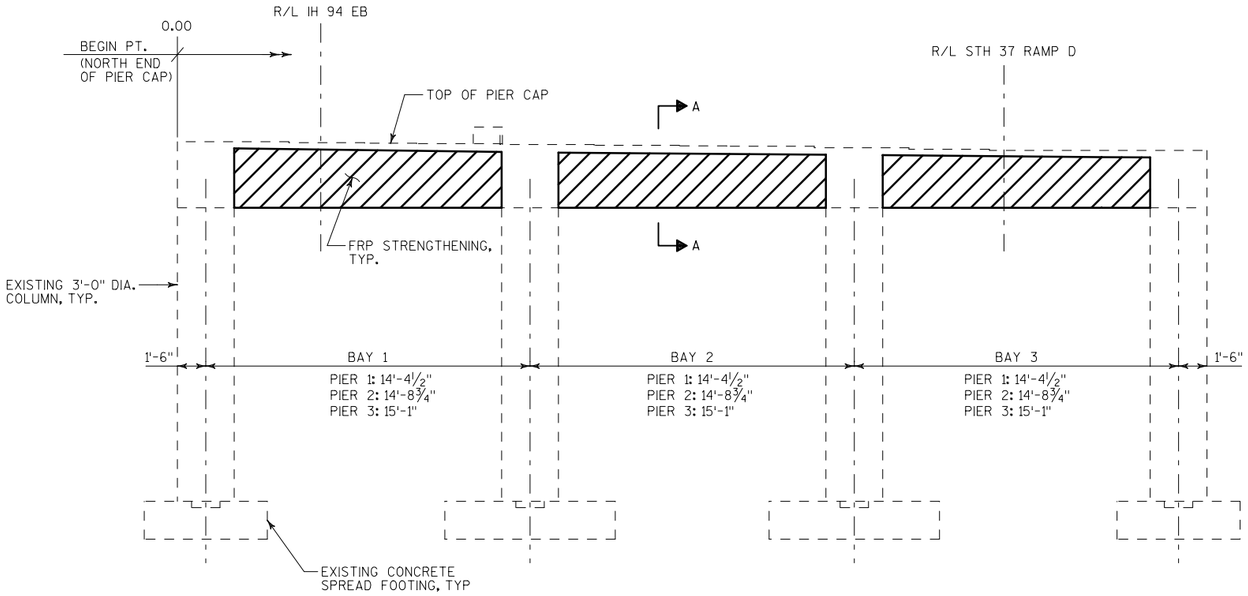
PIER 3 DETAILS

SHEET 15 OF 31

8

8

FILE NAME : B1825_080115_REV.dgn PLOT DATE : 01-FEB-2013 PLOT BY : jwahl B1825_080115_REV PLOT SCALE : 4:1



ELEVATION

(LOOKING EAST)

NOTE: PIER WIDENING NOT SHOWN

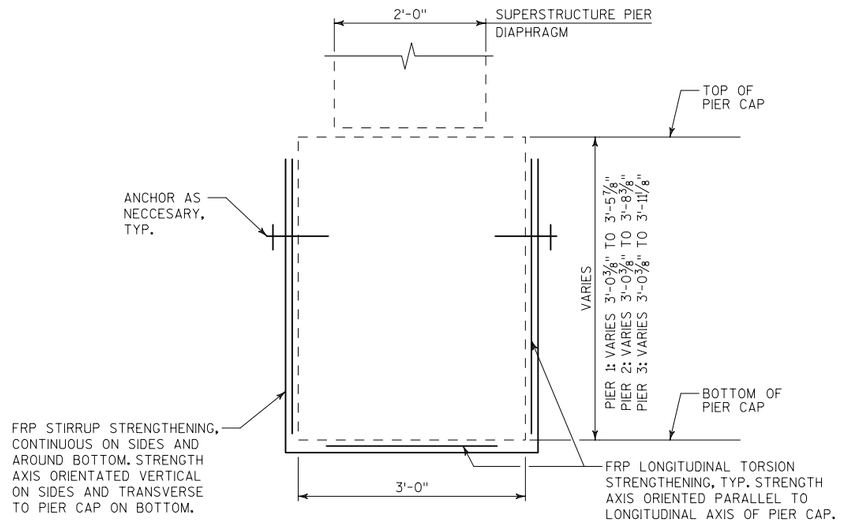
FRP STRENGTHENING

PIER	BAY	* BEGIN (FT)	END (FT)	EXISTING STIRRUP GRADE 40 REBAR AREA (IN^2/FT)	ADDITIONAL STIRRUP GRADE 40 REBAR AREA REQ'D (IN^2/FT)	ADDITIONAL LONGITUDINAL GRADE 40 REBAR AREA FOR TORSION REQ'D (IN^2) △
1	1	3.00	11.00	0.27	0.27	3.52
		11.00	14.38	0.80	0.16	3.52
	2	17.38	20.00	0.27	1.28	3.52
		20.00	25.50	0.27	0.27	3.52
		25.50	28.75	0.27	1.24	3.52
	3	31.75	35.00	0.80	0.25	3.52
		35.00	43.13	0.27	0.39	3.52
2	1	3.00	11.50	0.27	0.27	4.52
		11.50	14.73	0.80	0.63	4.52
	2	17.73	20.00	0.27	1.99	4.52
		20.00	26.50	0.27	0.67	4.52
		26.50	29.46	0.27	1.39	4.52
	3	32.46	35.50	0.80	0.50	4.52
		35.50	44.19	0.27	0.46	4.52
3	1	3.00	12.00	0.27	0.27	4.59
		12.00	15.08	0.80	0.27	4.59
	2	18.08	21.00	0.27	1.65	4.59
		21.00	26.50	0.27	0.27	4.59
		26.50	30.17	0.27	1.25	4.59
	3	33.17	36.00	0.80	0.12	4.59
		36.00	45.25	0.27	0.34	4.59

△ FRP TO BE UNIFORMLY DISTRIBUTED ON PIER CAP SIDES AND BOTTOM.

NOTES: SEE GENERAL PLAN & ELEVATION SHEET FOR ASSUMED EXISTING STRUCTURE MATERIAL STRENGTHS.

FRP STRENGTHENING TO BE IN ACCORDANCE WITH "FIBER WRAP REINFORCING" SPECIAL PROVISION.



SECTION A

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-18-25

DRAWN BY MHM | PLANS CK'D. AJB

FRP PIER DETAILS

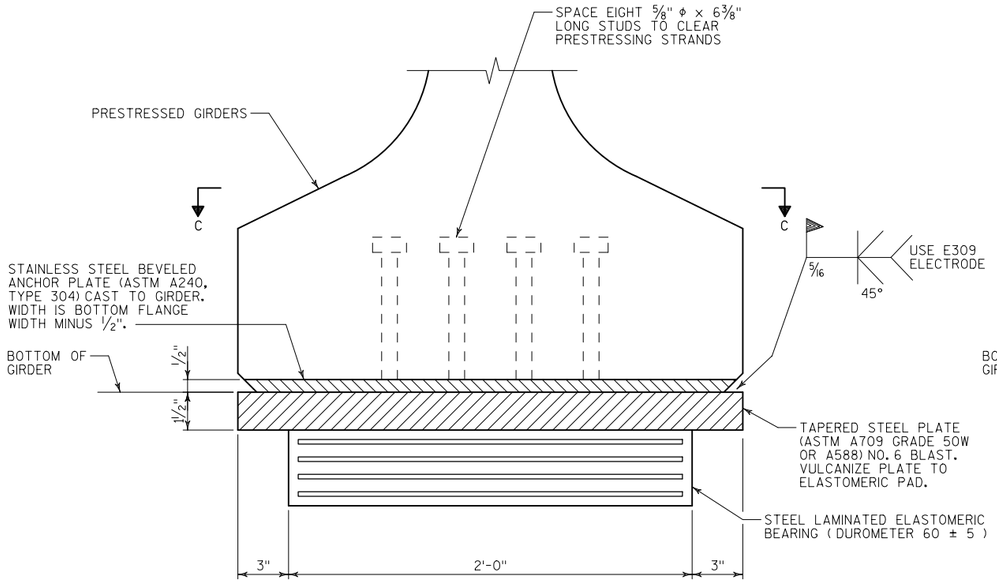
SHEET 16 OF 31

8

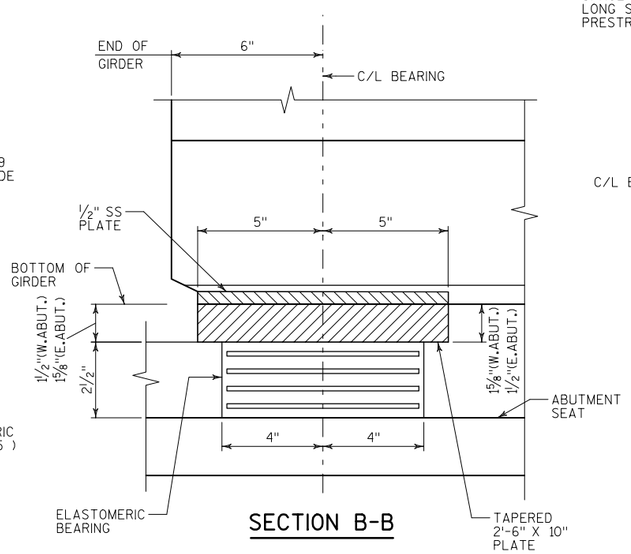
8

STATE PROJECT NUMBER

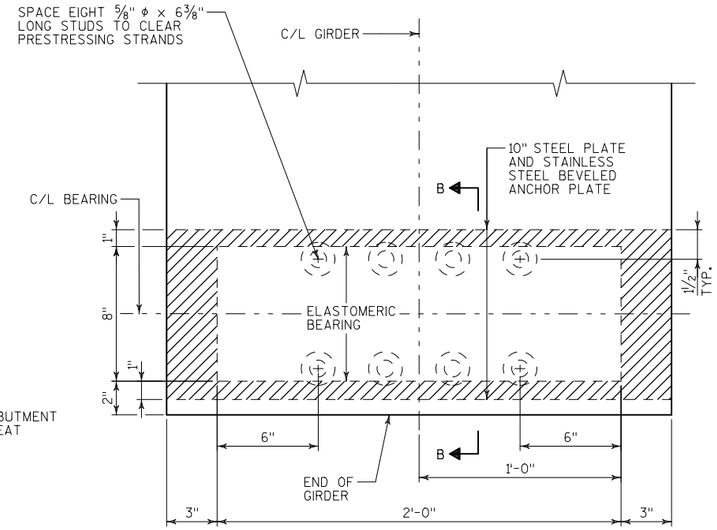
1022-08-73



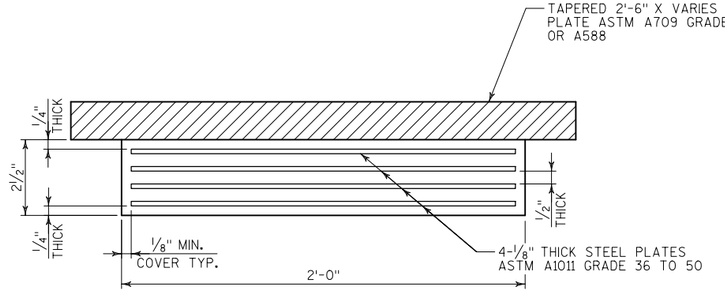
END VIEW A-A



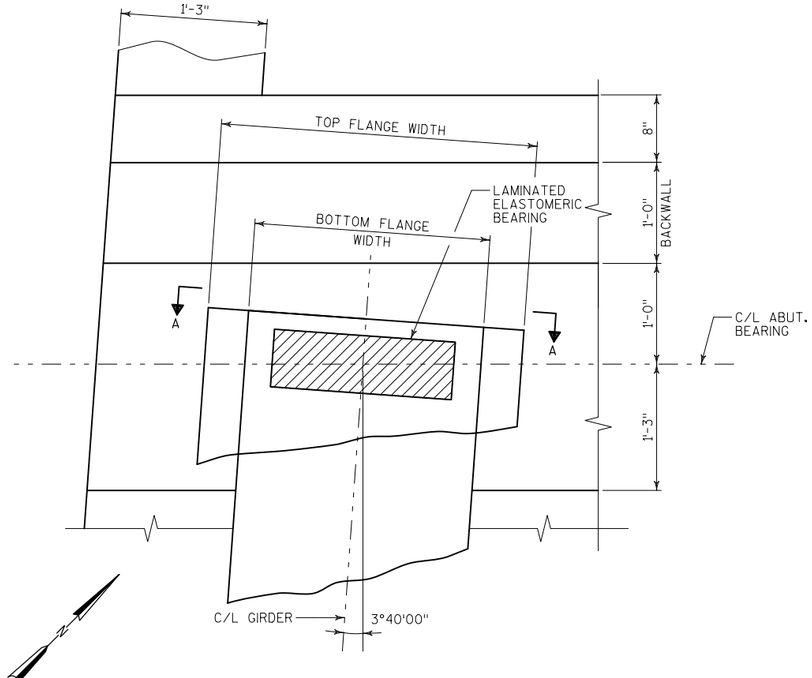
SECTION B-B



VIEW C-C



SECTION THRU ELASTOMERIC BEARING



PLAN-WEST ABUTMENT

(EAST ABUTMENT SIMILAR)

BEARING NOTES

BEARINGS SHALL NOT BE PLACED AT A TEMPERATURE GREATER THAN 85° F.

ALL MATERIAL USED FOR BEARINGS SHALL BE PAID FOR AT THE UNIT PRICE BID FOR "BEARING PADS ELASTOMERIC LAMINATED", EACH.

ALL STRUCTURAL STEEL BEARING PLATES SHALL BE FLAT ROLLED WITH ALL SURFACES SMOOTH AND FREE FROM WARP AND ALL EDGES SMOOTH, STRAIGHT AND VERTICAL.

ALL PLATE CUTS SHALL BE MACHINE OR MACHINE FLAME CUTS.

FOR ELASTOMERIC BEARING DETAILS AT PIERS, SEE SHEET 22.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-18-25

DRAWN BY JLK | PLANS CK'D. AJB

ELASTOMERIC BEARINGS

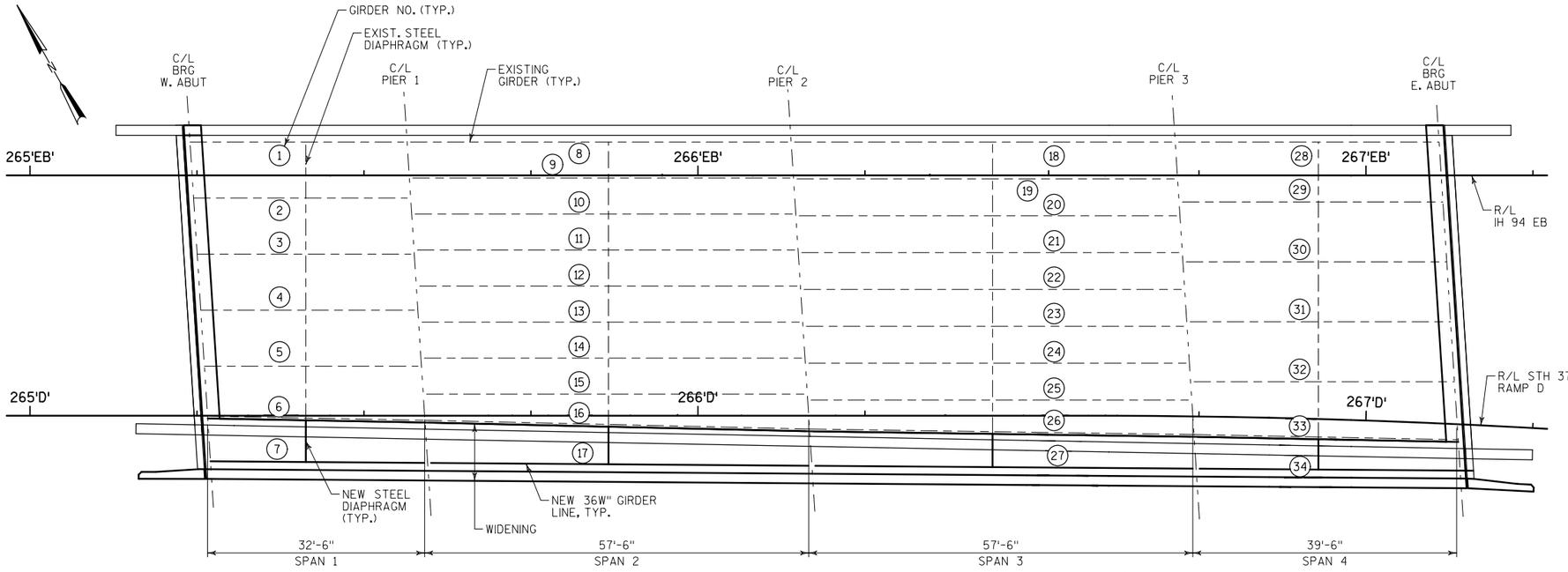
SHEET 17 OF 31

8

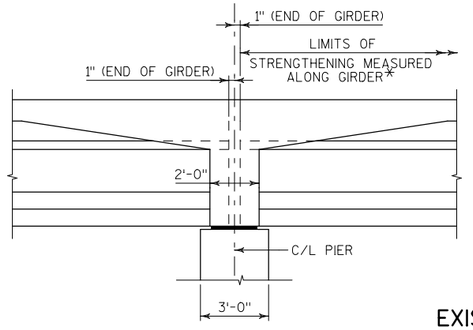
8

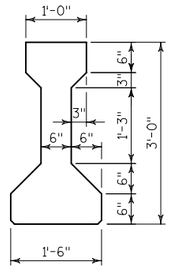
FILE NAME : B1825_080117_REV.dgn PLOT DATE : 13-FEB-2013 PLOT BY : abower B1825_080117_REV PLOT SCALE : 0.75:1

STATE PROJECT NUMBER
1022-08-73

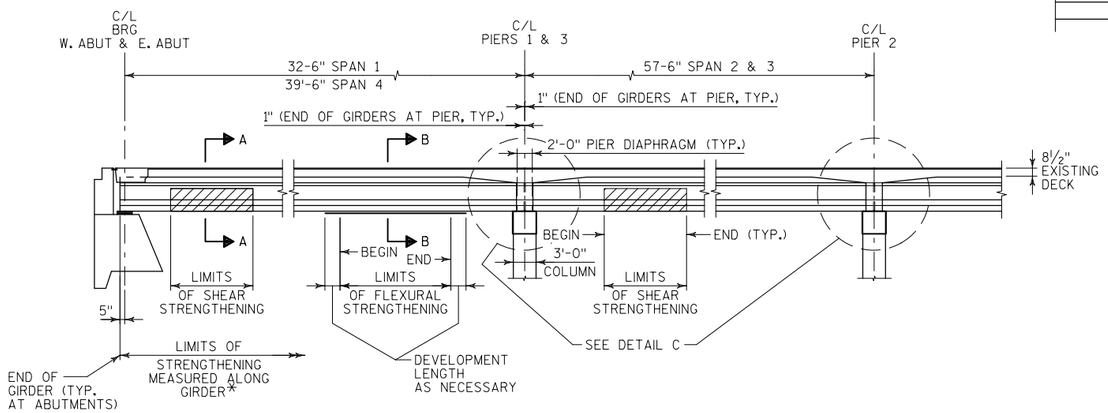


FRAMING PLAN





EXISTING GIRDER SECTION

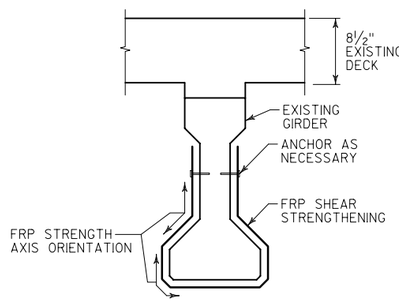


HALF LONGITUDINAL SECTION OF EXISTING GIRDERS

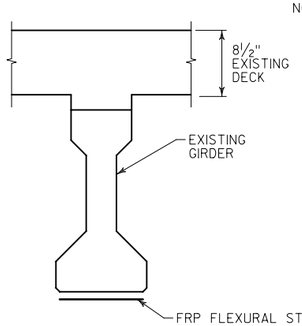
*LIMITS OF STRENGTHENING MEASURED FROM WESTERN-MOST GIRDER END FOR ALL SPANS.

DETAIL C

*LIMITS OF STRENGTHENING MEASURED FROM WESTERN-MOST GIRDER END FOR ALL SPANS.



SECTION A



SECTION B

FRP SHEAR STRENGTHENING

SPAN	GIRDER NO.	* BEGIN (FT)	END (FT)	EXIST. FACTORED SHEAR CAPACITY (KIPS)	ADD. FACTORED SHEAR CAPACITY REQ'D (KIPS)
1	1	22.00	27.00	51.7	1.3
1	2-4	1.00	6.00	105.6	26.4
		12.00	15.00	53.2	6.3
		19.00	32.00	51.7	26.0
1	5	1.00	5.00	105.6	22.8
		12.00	15.00	53.2	5.4
		19.00	32.00	51.7	25.4
1	6	1.00	3.00	105.3	9.0
		20.00	32.00	51.7	14.4
2	8	10.00	20.00	53.2	5.7
		38.00	47.00	53.3	5.6
2	9-14	8.00	23.00	53.5	17.2
		35.00	49.00	53.5	17.2
2	15	9.00	22.00	53.5	11.6
		35.00	49.00	53.2	16.7
2	16	9.00	22.00	53.4	14.6
		35.00	49.00	53.3	16.2
3	18	10.00	20.00	53.3	6.0
		38.00	47.00	53.3	6.0
3	19-24	1.00	3.00	118.3	2.1
		8.00	23.00	53.5	18.9
		36.00	49.00	53.5	18.9
		55.00	56.00	118.3	2.1
3	25	9.00	22.00	53.5	14.5
		36.00	49.00	53.3	17.5
3	26	9.00	22.00	53.3	11.9
		37.00	49.00	53.2	13.4
4	28	6.00	15.00	51.5	12.8
		26.00	35.00	51.5	14.3
4	29-31	1.00	19.00	51.5	44.1
		24.00	39.83	51.5	45.4
4	32	1.00	19.00	51.5	40.7
		24.00	39.83	51.5	45.2
4	33	1.00	3.00	112.7	2.3
		5.00	15.00	51.5	17.1
		26.00	39.00	51.5	18.7

FRP FLEXURAL STRENGTHENING

SPAN	GIRDER NO.	* BEGIN (FT)	END (FT)	EXIST. FACTORED MOMENT CAPACITY (FT-KIPS)	ADD. FACTORED MOMENT CAPACITY REQ'D (FT-KIPS)
1	2-4	28.00	32.00	197.5	37.6
1	5	28.00	32.00	197.5	37.3
1	6	30.00	32.00	197.3	5.7

NOTES: FRP = FIBER-REINFORCED POLYMER

SEE GENERAL PLAN & ELEVATION SHEET FOR ASSUMED EXISTING STRUCTURE MATERIAL STRENGTHS.

FRP STRENGTHENING TO BE IN ACCORDANCE WITH THE "FIBER WRAP REINFORCING" SPECIAL PROVISION.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-18-25

DRAWN BY MHM | PLANS CK'D. CWM

PRESTRESSED GIRDER STRENGTHENING

SHEET 18 OF 31

8

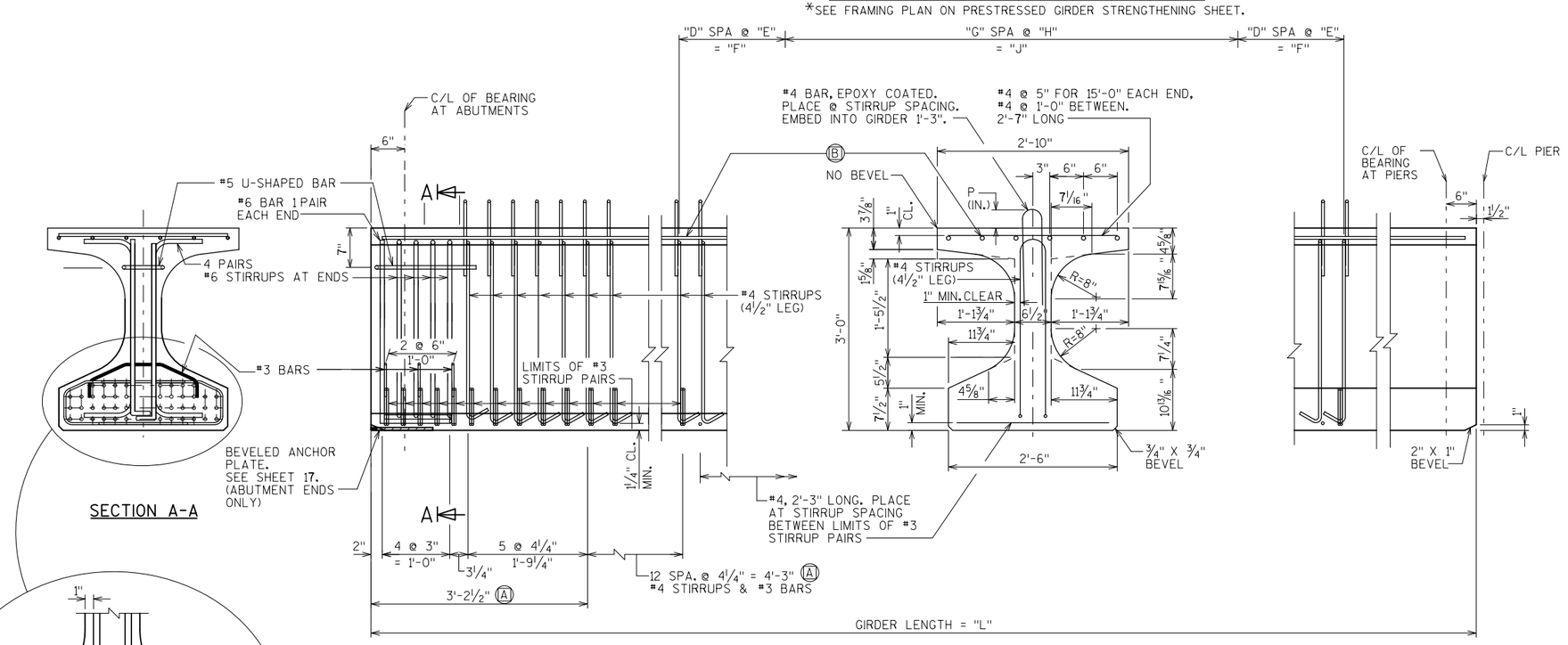
8

FILE NAME : B1825_080118.dgn PLOT DATE : 01-FEB-2013 PLOT BY : jwahl B1825_080118 PLOT SCALE : 20:1

STATE PROJECT NUMBER
1022-08-73

STIRRUP SPACING							
SPAN	GIRDER*	"D"	"E"	"F"	"G"	"H"	"J"
1	7	2	8 15/16"	1'-5 7/8"	10	18"	15'-0"
2	17	2	10 1/8"(-)	1'-8 3/16"	26	18"	39'-0"
3	27	2	10 1/8"(-)	1'-8 3/16"	26	18"	39'-0"
4	34	2	11 15/16"	1'-11 7/8"	14	18"	21'-0"

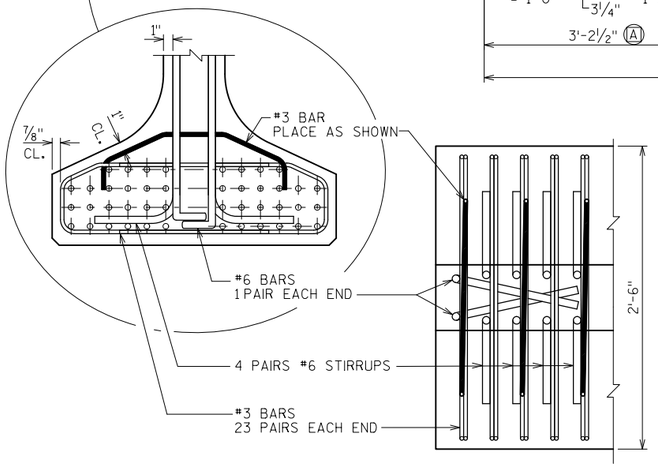
*SEE FRAMING PLAN ON PRESTRESSED GIRDER STRENGTHENING SHEET.



SIDE VIEW & TYP. SECTION IN SPAN

(A) DETAIL TYP. AT EACH END

(B) 6 #4 BARS, FULL LENGTH, MIN. LAP = 1'-11"



BOTTOM FLANGE

NOTES

TOP OF GIRDER TO BE ROUGH FLOATED AND BROOMED TRANSVERSELY, EXCEPT THE THE OUTSIDE 8" OF GIRDER, WHICH SHALL RECEIVE A SMOOTH FINISH. AN APPROVED CONCRETE SEALER SHALL BE APPLIED TO ALL SMOOTH SURFACES INCLUDING THE OUTSIDE 8" OF THE TOP FLANGE.

DO NOT APPLY CONCRETE SEALER TO SURFACES RECEIVING APPLICATION OF CONCRETE STAINING.

THE GIRDERS SHALL BE PROVIDED WITH A SUITABLE LIFTING DEVICE FOR HANDLING AND ERECTING THE GIRDERS.

STRANDS SHALL BE FLUSH WITH THE END OF GIRDER. FOR GIRDER ENDS EMBEDDED COMPLETELY IN CONCRETE, ENDS OF STRANDS SHALL BE COATED WITH NON-BITUMINOUS JOINT SEALER. FOR GIRDER ENDS THAT ARE FINALLY EXPOSED, COAT THE GIRDER ENDS, EXPOSED STRAND ENDS AND ALL NON-BONDING SURFACES WITHIN 2 FEET OF THE GIRDER ENDS WITH A NON-PIGMENTED EPOXY CONFORMING TO AASHTO M-235 TYPE III, CLASS B OR C. THE EPOXY SHALL BE APPLIED AT LEAST 3 DAYS AFTER MOIST CURING HAS CEASED AND PRIOR TO APPLICATION OF THE SEALER.

ALL GIRDERS SHALL BE CAST FULL LENGTH AS SHOWN.

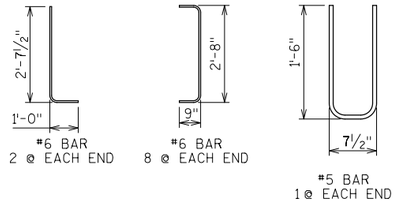
SPACING SHOWN FOR #4 STIRRUPS IS FOR GRADE 60 REINFORCEMENT. IF THE FABRICATOR WANTS TO BUILD A BAR STEEL CAGE BY WELDING LONGITUDINAL REINFORCEMENT TO THE #4 STIRRUPS, ONE OPTION IS AVAILABLE:

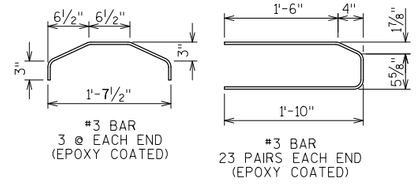
USE ASTM A706, GRADE 60 REINFORCEMENT AND THE STIRRUP SPACING AS SHOWN ON THE PLANS.

AN ALTERNATE EQUIVALENT OF WELDED WIRE FABRIC (WWF) ASTM A497 MAY BE SUBSTITUTED FOR THE STIRRUP REINFORCEMENT SHOWN, UPON APPROVAL OF THE STRUCTURES DEVELOPMENT SECTION.

PRESTRESSING STRANDS SHALL BE 0.6" DIA. -7 WIRE LOW-RELAXATION STRANDS WITH AN ULTIMATE STRENGTH OF 270,000 psi.

FOR DIAPHRAGM INSERT & CONNECTION DETAILS SEE "STEEL DIAPHRAGM" SHEET.





NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-18-25

DRAWN BY JLK | PLANS CK'D. CWM

36W" PRESTRESSED GIRDER DETAILS (1 OF 2)

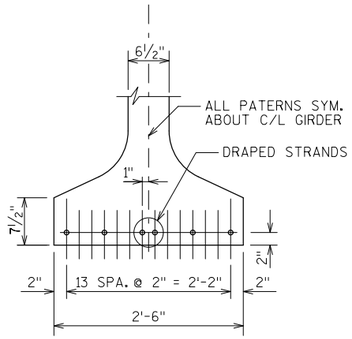
SHEET 19 OF 31

8

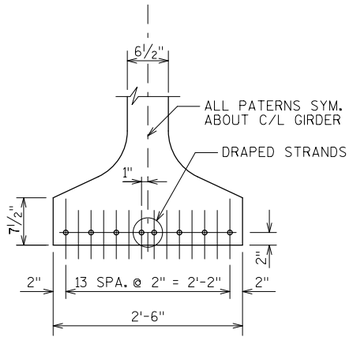
8

FILE NAME : B1825_080119_REV.dgn PLOT DATE : 01-FEB-2013 PLOT BY : jwahl B1825_080119_REV PLOT SCALE : 2:1

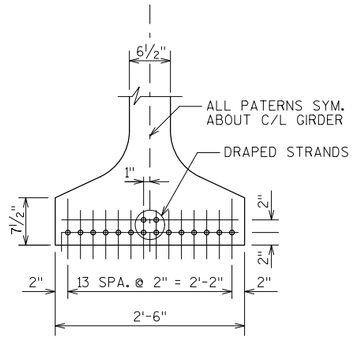
STATE PROJECT NUMBER
1022-08-73



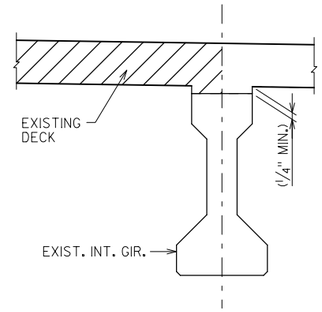
6 STRAND PATTERN

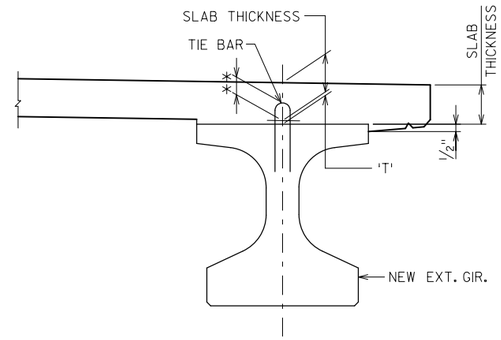


8 STRAND PATTERN



16 STRAND PATTERN





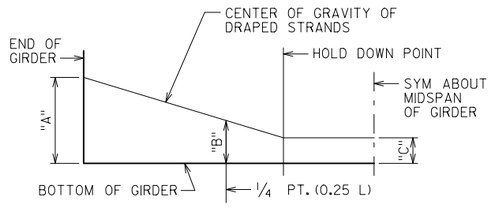
SLAB HAUNCH DETAIL

IF 1¼" MINIMUM HAUNCH HEIGHT AT EDGE OF GIRDER CANNOT BE MAINTAINED, THE GRADE LINE MAY BE REVISED BY THE ENGINEER AT THE OPTION OF THE CONTRACTOR, THE PLAN SLAB THICKNESS SHALL BE HELD. NOTIFY THE STRUCTURES SECTION IF THE GRADE LINE IS RAISED FROM THE PLAN PROFILE BY MORE THAN ½" OR,
** IF 3" MINIMUM DECK EMBEDMENT OF TIE BAR CANNOT BE OBTAINED.

TO DETERMINE 'T', ELEV. OF TOP OF GIR'S. AT ℄ OF SUBSTRUCTURE UNITS & AT 1/10 POINTS OF EACH SPAN SHALL BE TAKEN. THEN FOLLOW THIS PROCESS:

TOP OF DECK ELEV. AT FINAL GRADE
- TOP OF GIRDER ELEVATION
+ DEAD LOAD DEFLECTION
- SLAB THICKNESS
= HAUNCH HEIGHT 'T'

NOTE: AN AVERAGE HAUNCH ('T') OF 3" WAS USED IN THE QUANTITY "CONCRETE MASONRY BRIDGES".



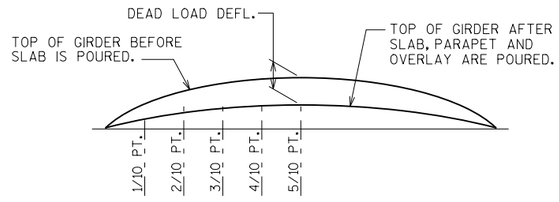
DRAPED STRAND PROFILE

*THE THEORETICAL INITIAL CAMBER VALUE AT THE TIME OF STRAND RELEASE AT MIDSPAN MULTIPLIED BY A FACTOR OF 1.4 TO ACCOUNT FOR CAMBER GROWTH FROM THE TIME OF STRAND RELEASE TO JOBSITE PLACEMENT.

SPAN	CAMBER (IN.) *
1	0.18
2	1.24
3	1.24
4	0.33

THESE VALUES ARE NOT TO BE USED IN DETERMINING 'T', USE ACTUAL GIRDER SHOTS.

THESE VALUES ARE FOR INFORMATIONAL PURPOSES ONLY.



DEAD LOAD DEFLECTION DIAGRAM

GIRDER DATA

SPAN	GIRDER *	GIRDER LENGTH "L"	DEAD LOAD DEFL. (IN.) 1/10	2/10	3/10	4/10	5/10	6/10	7/10	8/10	9/10	CONC. STRGTH. f'c (p.s.i.)	"P" 1ST ⅓ OF GIRDER	"P" MID ⅓ OF GIRDER	"P" END ⅓ OF GIRDER	DIA. OF STRAND (IN.)	DRAPED PATTERN TOTAL NO. OF STRANDS	f'ci (P.S.I.) **	(IN.) "A"	"B" MIN.	"B" MAX.	"C"	INITIAL PULL (KIPS)
1	7	32'-10¾"	0.01	0.02	0.03	0.03	0.04	0.03	0.03	0.02	0.01	6,000	7"	7"	7"	0.6"	6	4,500	16"	5½"	8½"	2"	263.7
2	17	57'-3⅜"	0.09	0.17	0.24	0.28	0.30	0.28	0.24	0.17	0.09	6,000	7¼"	7¼"	7¼"	0.6"	16	4,500	27"	9"	12"	3"	703.1
3	27	57'-3⅜"	0.09	0.17	0.23	0.27	0.29	0.27	0.23	0.17	0.09	6,000	7¼"	7¼"	7¼"	0.6"	16	4,500	27"	9"	12"	3"	703.1
4	34	39'-10¾"	0.02	0.04	0.06	0.07	0.07	0.07	0.06	0.04	0.02	6,000	7¼"	7¼"	7¼"	0.6"	8	4,500	20"	6½"	9½"	2"	351.5

* SEE FRAMING PLAN ON PRESTRESSED GIRDER STRENGTHENING SHEET.
** MINIMUM CYLINDER STRENGTH OF CONCRETE @ TIME OF TRANSFER OF PRESTRESS FORCE.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-18-25

DRAWN BY JLK | PLANS CK'D. CWM

36W" PRESTRESSED GIRDER DETAILS (2 OF 2)

SHEET 20 OF 31

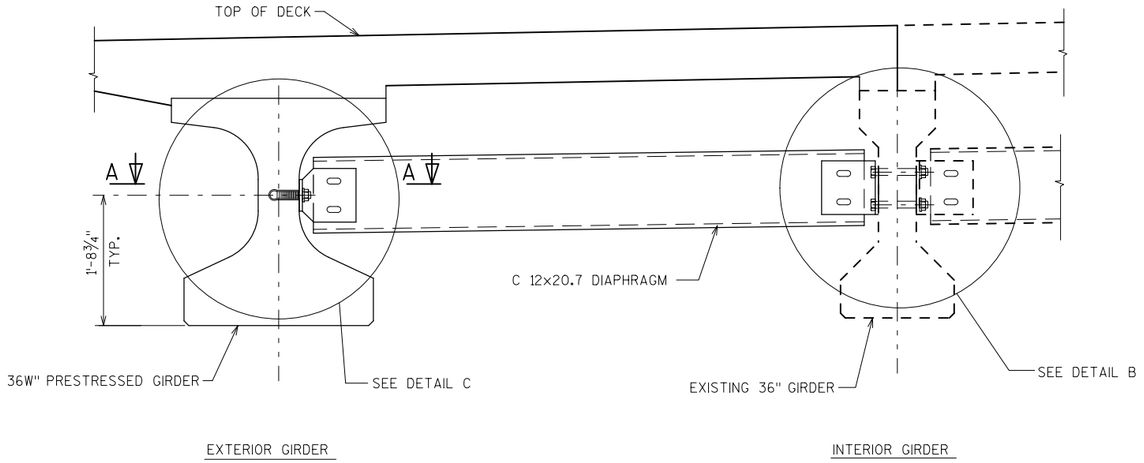
8

8

FILE NAME : B1825_080120_REV.dgn PLOT DATE : 01-FEB-2013 PLOT BY : jwahl B1825_080120_REV PLOT SCALE : 2:1

STATE PROJECT NUMBER

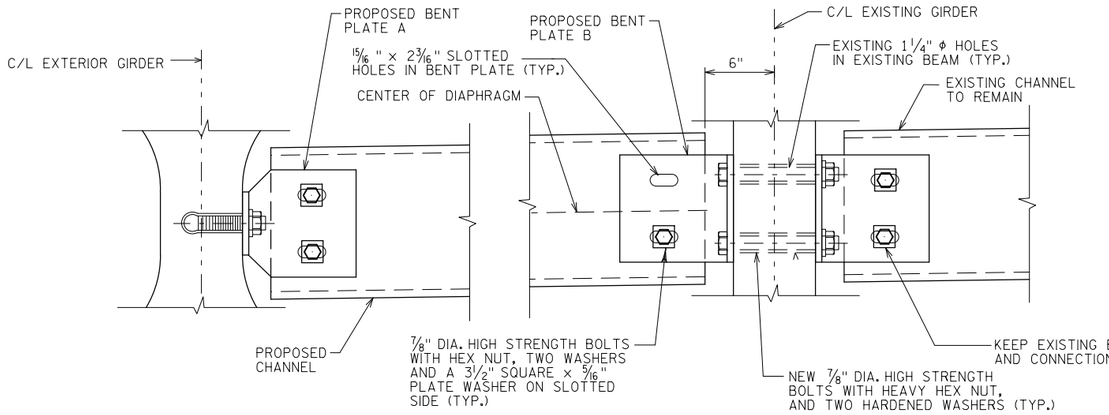
1022-08-73



EXTERIOR GIRDER

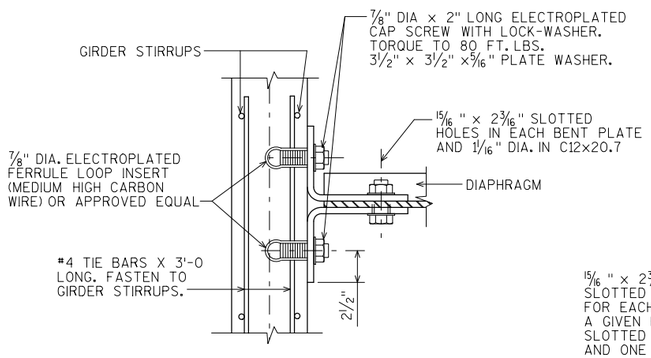
INTERIOR GIRDER

PART TRANSVERSE SECTION AT DIAPHRAGM



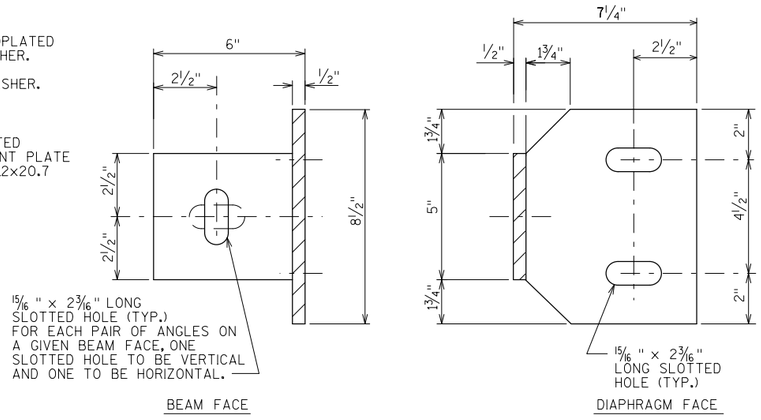
DETAIL C

DETAIL B



SECTION A-A

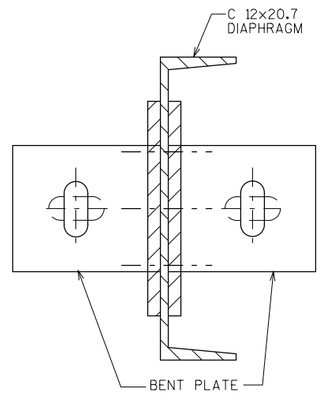
(FOR EXTERIOR ATTACHMENT)



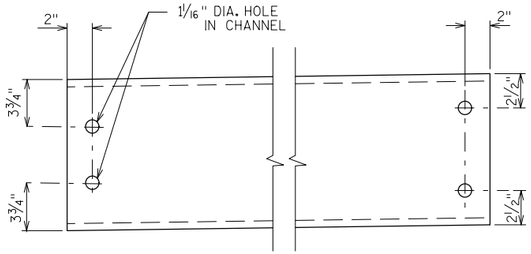
BEAM FACE

DIAPHRAGM FACE

BENT PLATE A DETAILS



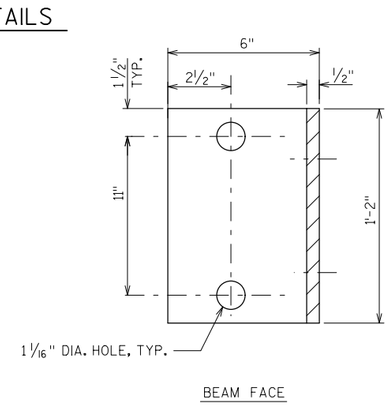
ATTACHMENT TO CHANNEL



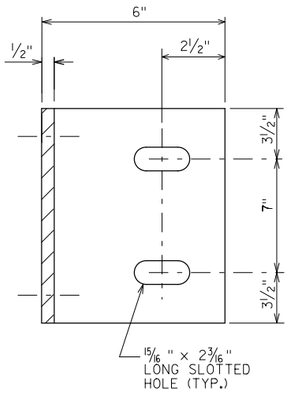
EXTERIOR GIRDER

EXISTING GIRDER

CHANNEL DETAILS



BEAM FACE



DIAPHRAGM FACE

BENT PLATE B DETAILS

NOTES

ALL DIAPHRAGM MATERIAL NOT EMBEDDED IN THE CONCRETE GIRDER SHALL BE PAID FOR AT THE UNIT PRICE BID FOR "STEEL DIAPHRAGMS B-18-25", EACH.

EACH DIAPHRAGM BETWEEN GIRDERS SHALL CONSTITUTE ONE UNIT.

ALL DIAPHRAGM STRUCTURAL STEEL SHALL BE ASTM A709 GRADE 36. ALL BOLTS, NUTS AND WASHERS SHALL BE ASTM A325 TYPE 1.

ALL DIAPHRAGM STRUCTURAL STEEL SHOWN SHALL BE HOT-DIPPED GALVANIZED. ALL BOLTS, NUTS AND WASHERS SHALL BE HOT-DIPPED GALVANIZED IN ACCORDANCE WITH ASTM A153 CLASS C. GALVANIZED NUTS SHALL BE TAPPED OVERSIZE IN ACCORDANCE WITH THE REQUIREMENTS OF ASTM A563 AND SHALL MEET THE REQUIREMENTS OF SUPPLEMENTARY REQUIREMENT S1 OF ASTM A563, LUBRICANT AND TEST FOR COATED NUTS.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-18-25

DRAWN BY JLK | PLANS CK'D. AJB

STEEL DIAPHRAGM

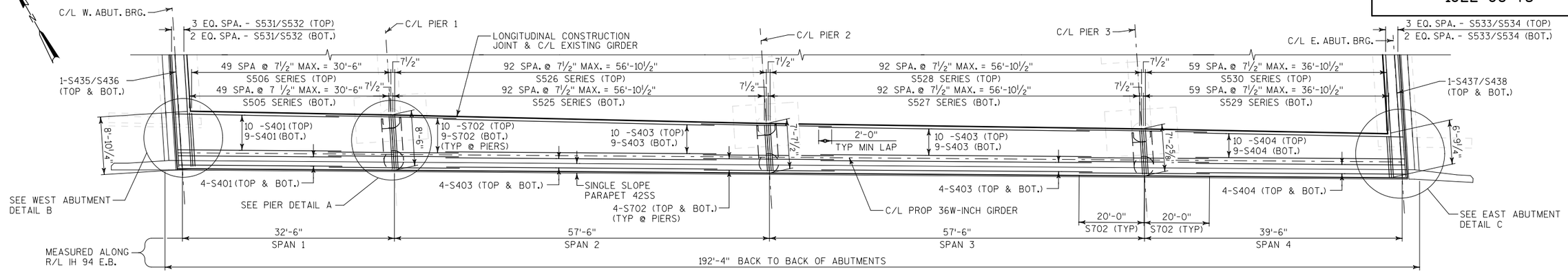
SHEET 21 OF 31

8

8

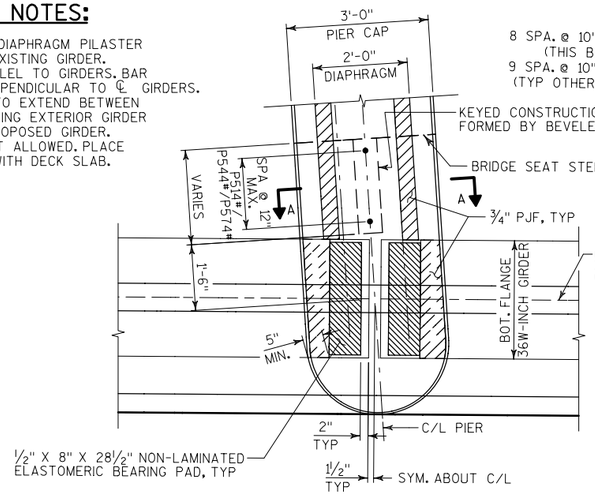
FILE NAME : B1825_080121_REV.dgn PLOT DATE : 01-FEB-2013 PLOT BY : jwahl B1825_080121_REV PLOT SCALE : 2:1

STATE PROJECT NUMBER
1022-08-73

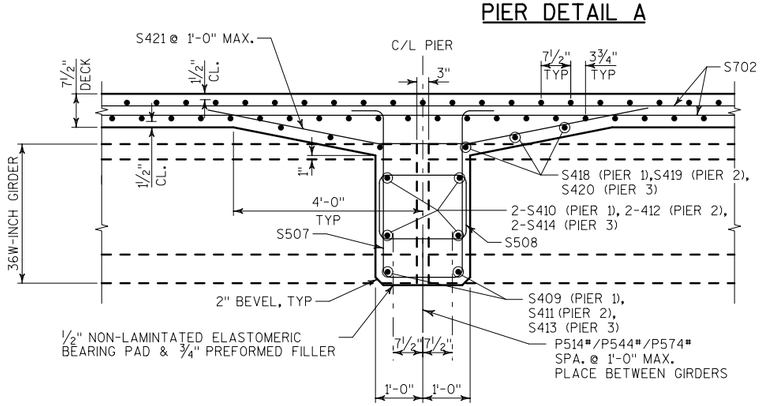


PIER DIAPHRAGM NOTES:

1. REMOVE EXISTING PIER DIAPHRAGM PILASTER TO OUTSIDE FACE OF EXISTING GIRDER.
2. PLACE STIRRUPS PARALLEL TO GIRDERS. BAR SPACING MEASURED PERPENDICULAR TO ℄ GIRDERS.
3. CONCRETE DIAPHRAGM TO EXTEND BETWEEN OUTSIDE FACE OF EXISTING EXTERIOR GIRDER AND INSIDE FACE OF PROPOSED GIRDER.
4. NO CONSTRUCTION JOINT ALLOWED. PLACE DIAPHRAGM CONCRETE WITH DECK SLAB.



PIER DETAIL A

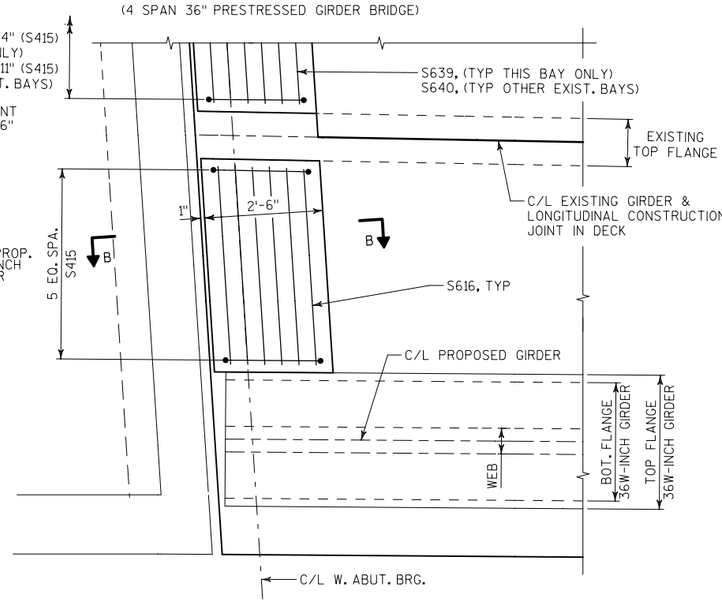


SECTION A-A - PIER DIAPHRAGM

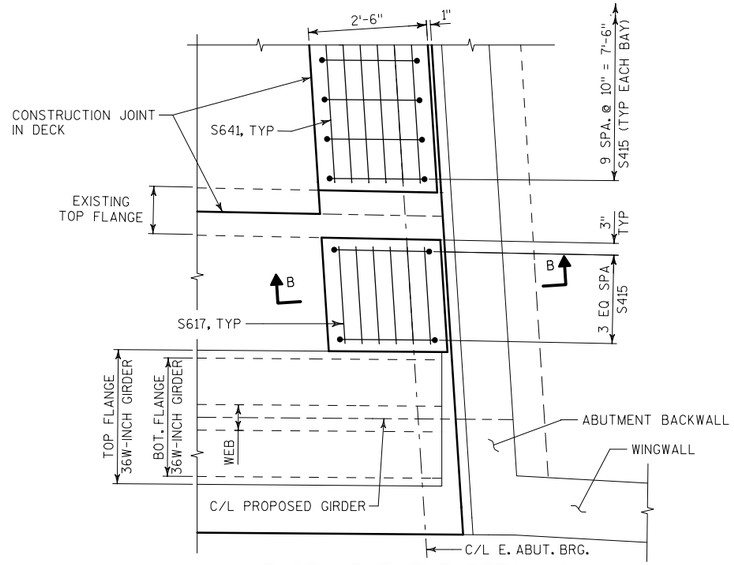
(PRIOR TO CONCRETE OVERLAY)

PLAN - WIDENED DECK

(4 SPAN 36" PRESTRESSED GIRDER BRIDGE)



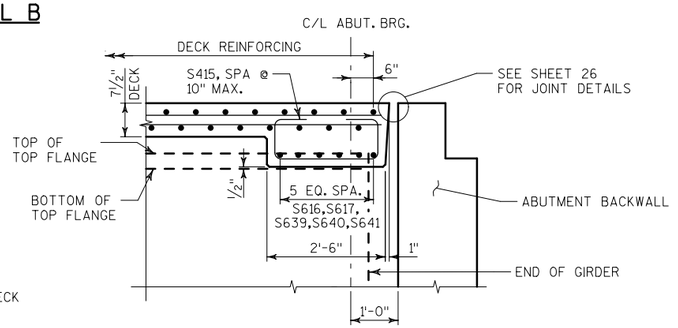
WEST ABUTMENT DETAIL B



EAST ABUTMENT DETAIL C

ABUTMENT DIAPHRAGM NOTES:

1. PLACE S415 STIRRUPS PARALLEL TO GIRDERS. BAR SPACING MEASURED PERPENDICULAR TO ℄ GIRDERS.
2. CONCRETE DIAPHRAGM TO EXTEND BETWEEN INSIDE FACES OF EXTERIOR GIRDERS.
3. NO CONSTRUCTION JOINT ALLOWED. PLACE FULL WIDTH OF ABUTMENT DIAPHRAGM CONCRETE WITH DECK SLAB.
4. FOR EXISTING BRIDGE, TOP OF ABUTMENT DIAPHRAGM SHALL MATCH THE TOP OF DECK AFTER CLEANING DECK FOR OVERLAY.



SECTION B-B - ABUTMENT DIAPHRAGM

(PRIOR TO CONCRETE OVERLAY)

LEGEND

* DIMENSION IS TAKEN NORMAL TO C/L SUBSTRUCTURE UNITS.

BARS MAY BE PLACED AFTER CONCRETE HAS BEEN POURED BUT BEFORE INTIAL SET HAS TAKEN PLACE

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-18-25

DRAWN BY MHM | PLANS CK'D. AJB

SUPERSTRUCTURE

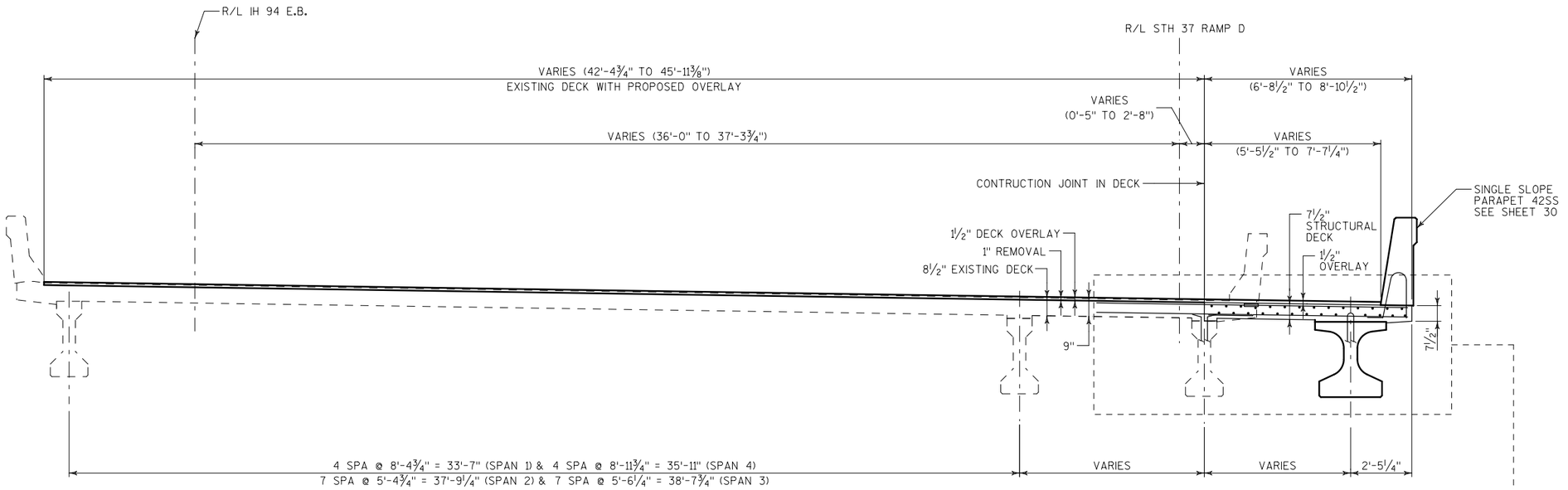
SHEET 22 OF 31

8

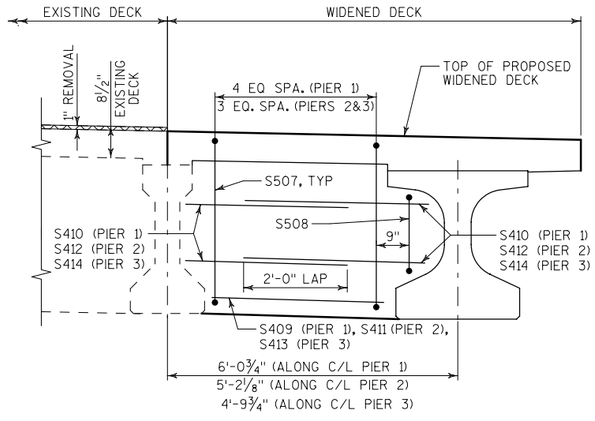
8

FILE NAME : B1825_080122_REV.dgn PLOT DATE : 01-FEB-2013 PLOT BY : jwahl B1825_080122_REV PLOT SCALE : 16:1

STATE PROJECT NUMBER
1022-08-73



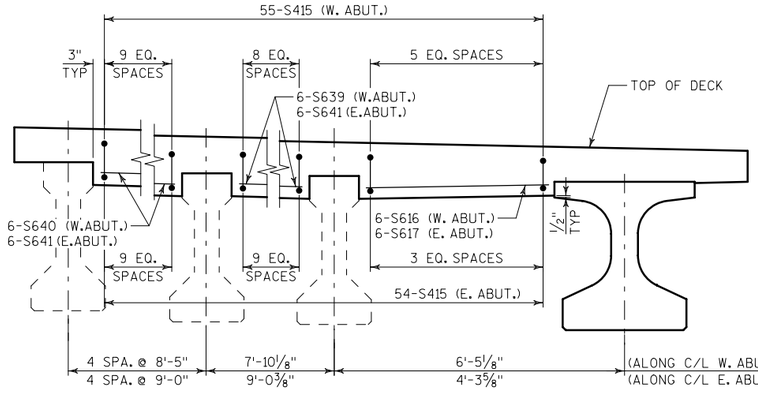
CROSS SECTION THRU BRIDGE



EXISTING GIRDER PROPOSED GIRDER

PIER DIAPHRAGM

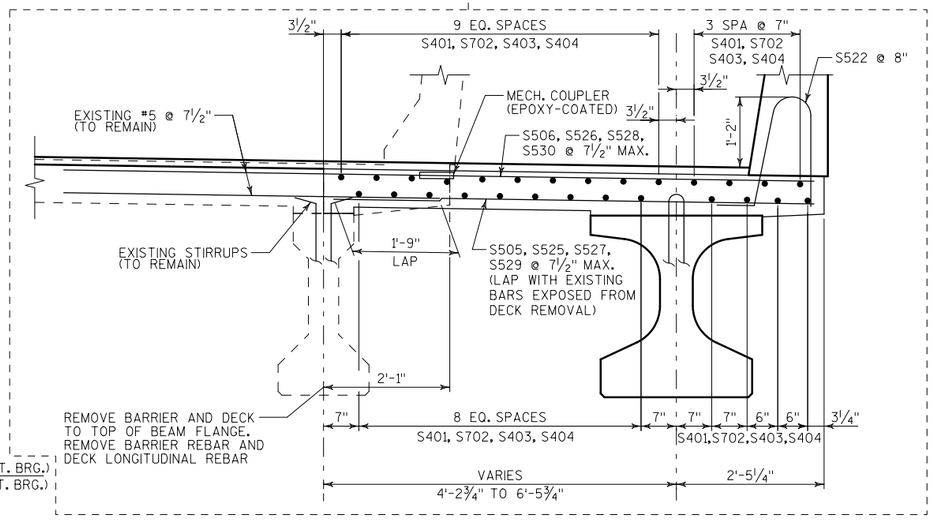
(TYP DECK REINFORCEMENT NOT SHOWN)



EXISTING GIRDERS PROPOSED GIRDER

ABUTMENT DIAPHRAGM

(TYP DECK REINFORCEMENT NOT SHOWN)



NOTES

CONCRETE FOR ABUTMENT AND PIER DIAPHRAGMS SHALL BE PLACED WITH THE DECK CONCRETE. NO OPTIONAL CONSTRUCTION JOINT WILL BE ALLOWED

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-18-25

DRAWN BY MHM | PLANS CK'D. AJB

SUPERSTRUCTURE CROSS SECTION

SHEET 23 OF 31

8

8

FILE NAME : B1825_080123_REV.dgn PLOT DATE : 01-FEB-2013 PLOT BY : jwahl B1825_080123_REV PLOT SCALE : 5:1

STATE PROJECT NUMBER

1022-08-73

TOP OF DECK ELEVATIONS

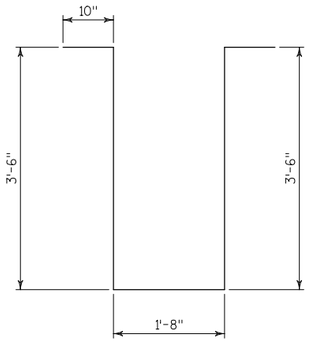
LOCATION	C/L OF W. ABUT.	0.1 PT.	0.2 PT.	0.3 PT.	0.4 PT.	0.5 PT.	0.6 PT.	0.7 PT.	0.8 PT.	0.9 PT.	C/L OF PIER 1
R/L IH 94 E.B.	814.95	815.01	815.08	815.14	815.21	815.27	815.34	815.40	815.47	815.53	815.60
CONSTRUCTION JOINT	814.55	814.61	814.66	814.72	814.77	814.83	814.88	814.93	814.99	815.04	815.11
C/L PROP. GIRDER	814.48	814.53	814.58	814.63	814.68	814.73	814.78	814.83	814.88	814.93	814.99
S. EDGE OF SLAB	814.47	814.52	814.57	814.62	814.67	814.71	814.76	814.81	814.86	814.91	814.97

LOCATION	C/L OF PIER 1	0.1 PT.	0.2 PT.	0.3 PT.	0.4 PT.	0.5 PT.	0.6 PT.	0.7 PT.	0.8 PT.	0.9 PT.	C/L OF PIER 2
R/L IH 94 E.B.	815.60	815.71	81.83	815.95	816.06	816.18	816.29	816.41	816.52	816.64	816.75
CONSTRUCTION JOINT	815.11	815.23	815.34	815.46	815.57	815.68	815.78	815.87	815.97	816.06	816.17
C/L PROP. GIRDER	814.99	815.11	815.21	815.32	815.43	815.54	815.63	815.72	815.82	815.91	816.02
S. EDGE OF SLAB	814.97	815.08	815.19	815.29	815.40	815.50	815.60	815.69	815.79	815.88	815.98

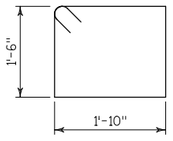
LOCATION	C/L OF PIER 2	0.1 PT.	0.2 PT.	0.3 PT.	0.4 PT.	0.5 PT.	0.6 PT.	0.7 PT.	0.8 PT.	0.9 PT.	C/L OF PIER 3
R/L IH 94 E.B.	816.75	816.87	816.99	817.10	817.22	817.33	817.45	817.56	817.68	817.80	817.91
CONSTRUCTION JOINT	816.17	816.28	816.39	816.50	816.60	816.71	816.79	816.88	816.97	817.06	817.15
C/L PROP. GIRDER	816.02	816.12	816.23	816.33	816.43	816.53	816.62	816.71	816.80	816.88	816.98
S. EDGE OF SLAB	815.98	816.09	816.19	816.29	816.39	816.48	816.57	816.66	816.75	816.84	816.94

LOCATION	C/L OF PIER 3	0.1 PT.	0.2 PT.	0.3 PT.	0.4 PT.	0.5 PT.	0.6 PT.	0.7 PT.	0.8 PT.	0.9 PT.	C/L OF E. ABUT.
R/L IH 94 E.B.	817.91	817.99	818.07	818.15	818.23	818.31	818.39	818.47	818.55	818.63	818.71
CONSTRUCTION JOINT	817.15	817.22	817.28	817.33	817.39	817.45	817.51	817.57	817.62	817.68	817.74
C/L PROP. GIRDER	816.98	817.04	817.10	817.15	817.20	817.26	817.31	817.37	817.42	817.48	817.53
S. EDGE OF SLAB	816.94	817.00	817.05	817.10	817.16	817.21	817.26	817.31	817.37	817.42	817.48

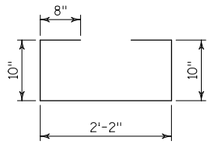
1) ELEVATIONS SHOWN ARE TOP OF DECK BEFORE CONCRETE OVERLAY (WIDENED DECK) AND AFTER REMOVAL OF 1½" EXISTING OVERLAY (EXISTING DECK)



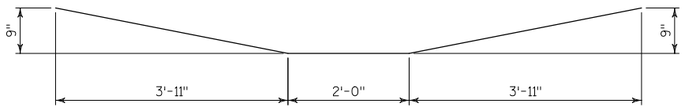
S507



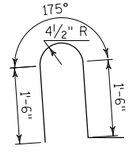
S508



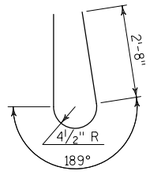
S415



S421



S522



S523

BAR SERIES TABLE

	BAR MARK	NO. REQ'D	LENGTH
	S505	1 SERIES OF 50	8'-0" TO 8'-4"
#	S506	1 SERIES OF 50	6'-2" TO 6'-6"
	S525	1 SERIES OF 93	7'-1" TO 8'-0"
#	S526	1 SERIES OF 93	5'-3" TO 6'-2"
	S527	1 SERIES OF 93	6'-8" TO 7'-1"
#	S528	1 SERIES OF 93	4'-10" TO 5'-3"
	S529	1 SERIES OF 60	6'-2" TO 6'-8"
#	S530	1 SERIES OF 60	4'-4" TO 4'-10"

BILL OF BARS

NOTE:
BAR DIMENSIONS ARE OUT TO OUT OF BAR.
THE FIRST OR FIRST TWO DIGITS
OF A BAR MARK SIGNIFIES THE BAR SIZE

	BAR MARK	COAT	NO REQ'D	LENGTH	BENT	BAR SERIES	LOCATION
	S401	X	27	25'-6"			DECK LONGITUDINAL
	S702	X	81	40'-0"			DECK LONGITUDINAL OVER PIERS
	S403	X	54	42'-0"			DECK LONGITUDINAL
	S404	X	27	32'-6"			DECK LONGITUDINAL
	S505	X	50	8'-2"		△	DECK TRANSVERSE BOTTOM - SPAN 1
#	S506	X	50	6'-4"		△	DECK TRANSVERSE TOP - SPAN 1
	S507	X	13	8'-5"	X		PIER DIAPHRAGM STIRRUP
	S508	X	3	7'-3"	X		PIER DIAPHRAGM STIRRUP
	S409	X	2	3'-4"			PIER DIAPHRAGM HORIZONTAL - PIER 1
	S410	X	8	3'-4"			PIER DIAPHRAGM HORIZONTAL - PIER 1
	S411	X	2	2'-6"			PIER DIAPHRAGM HORIZONTAL - PIER 2
	S412	X	8	2'-10"			PIER DIAPHRAGM HORIZONTAL - PIER 2
	S413	X	2	2'-1"			PIER DIAPHRAGM HORIZONTAL - PIER 3
	S414	X	8	2'-8"			PIER DIAPHRAGM HORIZONTAL - PIER 3
	S415	X	10	4'-10"	X		ABUTMENT DIAPHRAGM STIRRUP
	S616	X	6	4'-0"			ABUTMENT DIAPHRAGM HORIZ. - WEST ABUT.
	S617	X	6	1'-10"			ABUTMENT DIAPHRAGM HORIZ. - EAST ABUT.
	S418	X	6	8'-2"			DECK HAUNCH TRANSVERSE - PIER 1
	S419	X	6	7'-3"			DECK HAUNCH TRANSVERSE - PIER 2
	S420	X	6	6'-10"			DECK HAUNCH TRANSVERSE - PIER 3
	S421	X	25	10'-0"	X		DECK HAUNCH LONGITUDINAL
	S522	X	288	4'-11"	X		DECK @ PARAPET
	S523	X	288	6'-8"	X		PARAPET VERTICAL
	S524	X	40	41'-0"			PARAPET HORIZONTAL
	S525	X	93	7'-7"		△	DECK TRANSVERSE BOTTOM - SPAN 2
#	S526	X	93	5'-9"		△	DECK TRANSVERSE TOP - SPAN 2
	S527	X	93	6'-11"		△	DECK TRANSVERSE BOTTOM - SPAN 3
#	S528	X	93	5'-1"		△	DECK TRANSVERSE TOP - SPAN 3
	S529	X	60	6'-5"		△	DECK TRANSVERSE BOTTOM - SPAN 4
#	S530	X	60	4'-7"		△	DECK TRANSVERSE TOP - SPAN 4
	S531	X	7	33'-3"			DECK TRANSVERSE - WEST ABUT.
	S532	X	7	17'-9"			DECK TRANSVERSE - WEST ABUT.
	S533	X	7	34'-6"			DECK TRANSVERSE - EAST ABUT.
	S534	X	7	17'-9"			DECK TRANSVERSE - EAST ABUT.
	S435	X	2	33'-3"			DECK TRANSVERSE @ EXP JOINT - WEST ABUT.
	S436	X	2	17'-9"			DECK TRANSVERSE @ EXP JOINT - WEST ABUT.
	S437	X	2	34'-6"			DECK TRANSVERSE @ EXP JOINT - EAST ABUT.
	S438	X	2	17'-9"			DECK TRANSVERSE @ EXP JOINT - EAST ABUT.
	S639	X	6	6'-4"			ABUTMENT DIAPHRAGM HORIZ. - WEST ABUT.
	S640	X	24	6'-11"			ABUTMENT DIAPHRAGM HORIZ. - WEST ABUT.
	S641	X	30	7'-6"			ABUTMENT DIAPHRAGM HORIZ. - EAST ABUT.

△ LENGTH SHOWN FOR BAR IS AN AVERAGE LENGTH AND SHOULD ONLY BE USED FOR BAR WEIGHT CALCULATIONS. SEE BAR SERIES TABLE FOR ACTUAL LENGTHS.

BAR LENGTH GIVEN TO CONSTRUCTION JOINT. ADJUST LENGTH AS REQUIRED TO ACCOMMODATE MECHANICAL COUPLER.

8

8

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-18-25

DRAWN BY MHM | PLANS CK'D. AJB

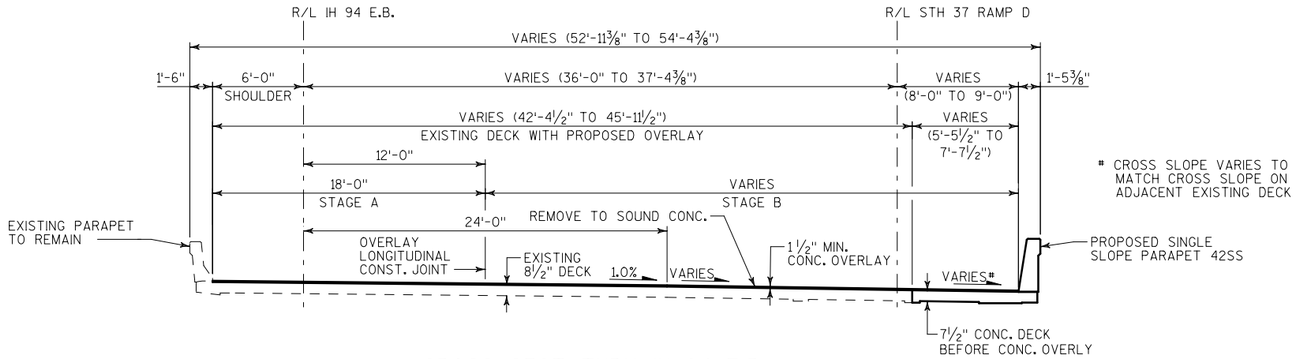
SUPERSTRUCTURE DETAILS

SHEET 24 OF 31

FILE NAME : B1825_080124_REV.dgn PLOT DATE : 01-FEB-2013 PLOT BY : jwahl B1825_080124_REV PLOT SCALE : 5:1

STATE PROJECT NUMBER

1022-08-73



CROSS SECT. THRU IH 94 E.B.

(LOOKING EAST)

\# CROSS SLOPE VARIES TO MATCH CROSS SLOPE ON ADJACENT EXISTING DECK

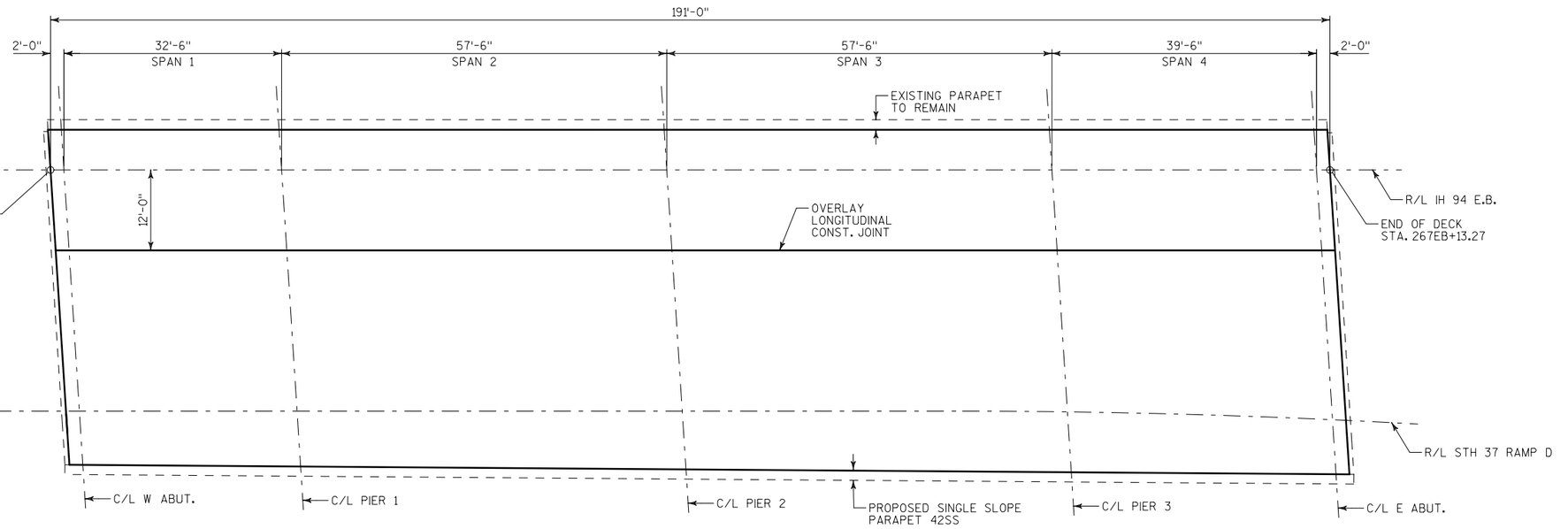
NOTES:

DIMENSIONS SHOWN ARE BASED ON THE ORIGINAL STRUCTURE PLANS.

PROFILE GRADE LINE SHALL BE DETERMINED BASED ON A MINIMUM OVERLAY THICKNESS OF 1½" PLACED ABOVE THE DECK SURFACE AFTER CLEANING. EXPECTED AVERAGE OVERLAY THICKNESS IS 2" (OR AS GIVEN BY THE DESIGN ENGINEER). IF EXPECTED AVERAGE OVERLAY THICKNESS IS EXCEEDED BY MORE THAN ½", CONTACT THE STRUCTURES DESIGN SECTION.

A MIN. OF 1 INCH OF CONCRETE SHALL BE REMOVED FROM THE EXISTING BRIDGE DECK UNDER THE BID ITEM "CLEANING DECKS". NO CONCRETE REMOVAL REQUIRED ON PROPOSED WIDENED BRIDGE DECK.

ANY EXCAVATION REQ'D. TO COMPLETE THE OVERLAY OR THE PAVING BLOCK AT ABUTS. IS INCIDENTAL TO THE BID ITEM, "CONCRETE MASONRY OVERLAY DECKS".



PLAN

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-18-25

DRAWN BY JLK | PLANS CK'D. AJB

CONCRETE OVERLAY

SHEET 25 OF 31

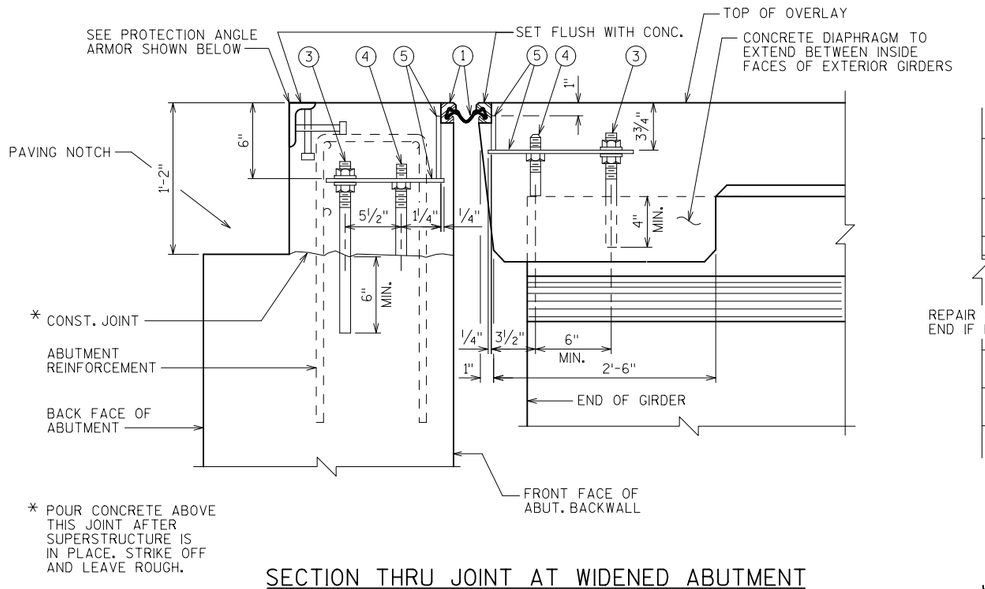
8

8

FILE NAME : B1825_080125_REV.dgn PLOT DATE : 01-FEB-2013 PLOT BY : jwahl B1825_080125_REV PLOT SCALE : 20:1

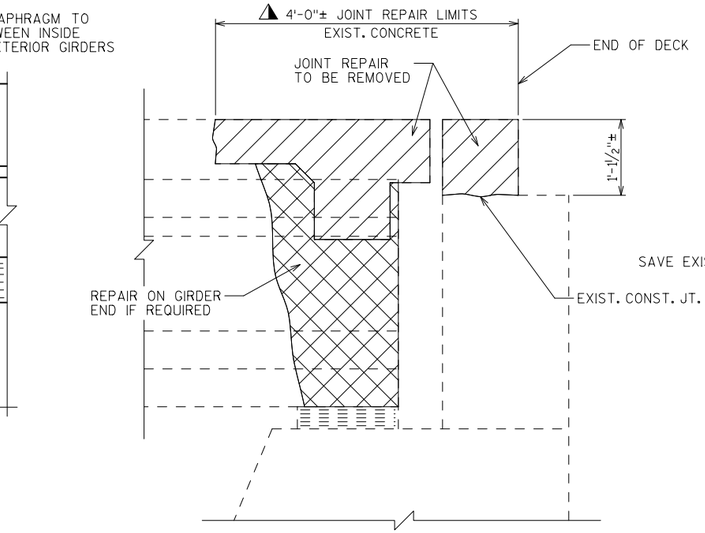
STATE PROJECT NUMBER

1022-08-73

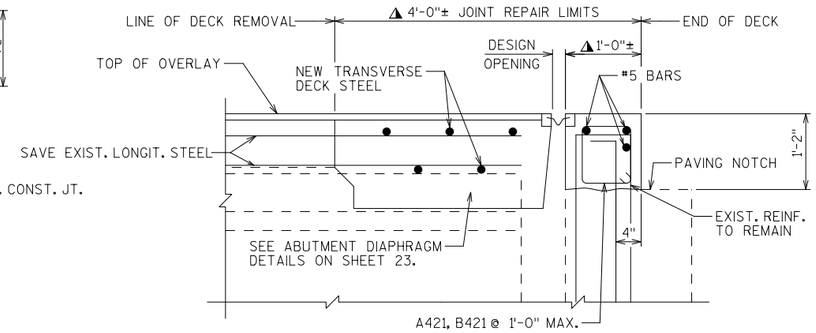


* POUR CONCRETE ABOVE THIS JOINT AFTER SUPERSTRUCTURE IS IN PLACE. STRIKE OFF AND LEAVE ROUGH.

SECTION THRU JOINT AT WIDENED ABUTMENT

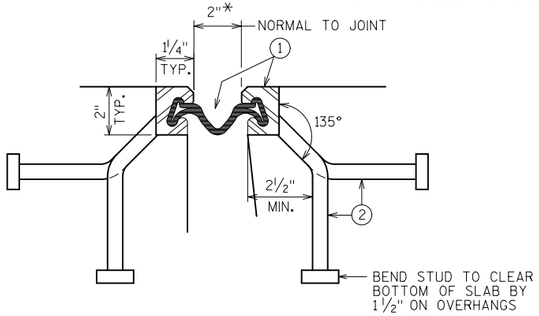


JOINT REMOVAL AT EXISTING BRIDGE SECTION THRU JOINT



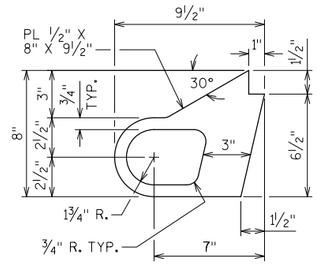
JOINT REPAIR AT EXISTING BRIDGE SECTION THRU JOINT

NORMAL TO C/L SUBSTRUCTURE

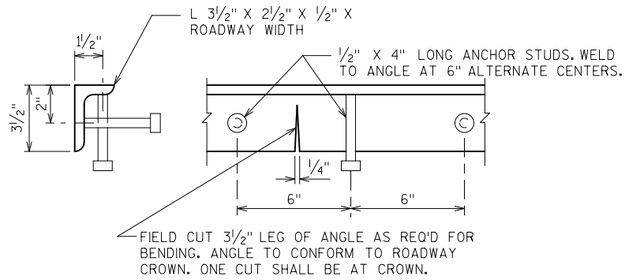


SECTION THRU JOINT

EXTERIOR GIRDER TO EDGE OF DECK AND AT PARAPETS.



ALTERNATE STRIP SEAL ANCHOR



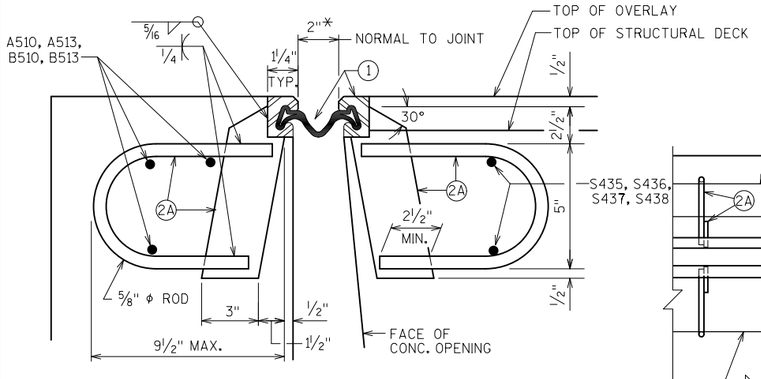
PROTECTION ANGLE ARMOR

ONE FIELD SPLICE SHALL BE PERMITTED IN ANGLES OVER 34'-0" IN LENGTH.

LEGEND:

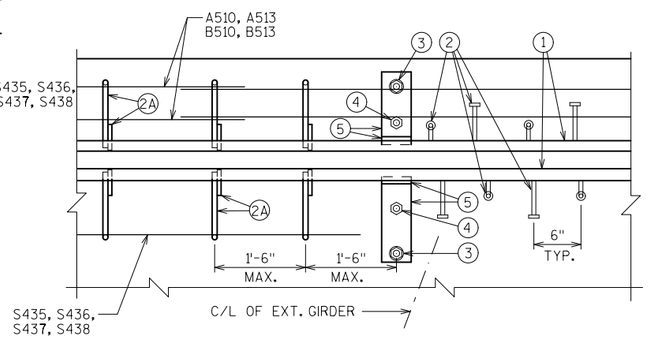
⚠ DIMENSIONS GIVEN ARE NORMAL TO C/L OF SUBSTRUCTURE UNIT. INCORPORATE EXISTING REINFORCEMENT.

* 2" DESIGN JOINT OPENING FOR 60°F. ADD 1/16" FOR EVERY 10°F COLDER AND SUBSTRACT 1/16" FOR EVERY 10°F WARMER



SECTION THRU JOINT

ROADWAY TRAFFIC AREA BETWEEN EXTERIOR GIRDERS.



PART PLAN

GENERAL NOTES:

ONE FIELD SPLICE PERMITTED IN STEEL EXTRUSIONS, UNLESS MORE ARE REQUIRED FOR STAGED CONSTRUCTION. IF USED, DETAILS SHALL BE SUBMITTED FOR APPROVAL. NO SPLICING PERMITTED IN NEOPRENE STRIP SEAL.

AFTER FABRICATION, BUT BEFORE SHIPMENT, STRAIGHTEN STEEL EXTRUSIONS SUCH THAT THEY SHALL BE FREE FROM WARP, TWIST AND SWEEP.

FABRICATOR SHALL PROVIDE MEANS OF KEEPING GALVANIZED EXTRUSIONS CLEAN AND SMOOTH DURING SHIPMENT AND PRIOR TO APPLYING LUBRICANT ADHESIVE FOR NEOPRENE GLAND INSTALLATION.

SANDBLAST PLATES, SUPPORTS AND EXTRUSIONS AFTER FABRICATION IN ACCORDANCE WITH SSPC SP. #6 "COMMERCIAL BLAST CLEANING". AFTER BLAST CLEANING, THE PROTECTION ANGLE, PLATES, SUPORTS AND EXTRUSIONS SHALL BE HOT DIPPED GALVANIZED.

ANCHOR SYSTEM NO. 8 AND NO. 9 SHALL CONFORM TO ASTM A307 AND SHALL BE GALVANIZED IN ACCORDANCE WITH ASTM A153 CLASS C AND D.

STRIP SEAL EXPANSION JOINT ASSEMBLY, INCLUDING ANCHOR STUDS AND HARDWARE WILL BE PAID FOR AT THE LUMP SUM PRICE BID FOR "EXPANSION DEVICE B-18-25".

SEE SHEET 27 FOR LEGEND.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-18-25

DRAWN BY JLK | PLANS CK'D. AJB

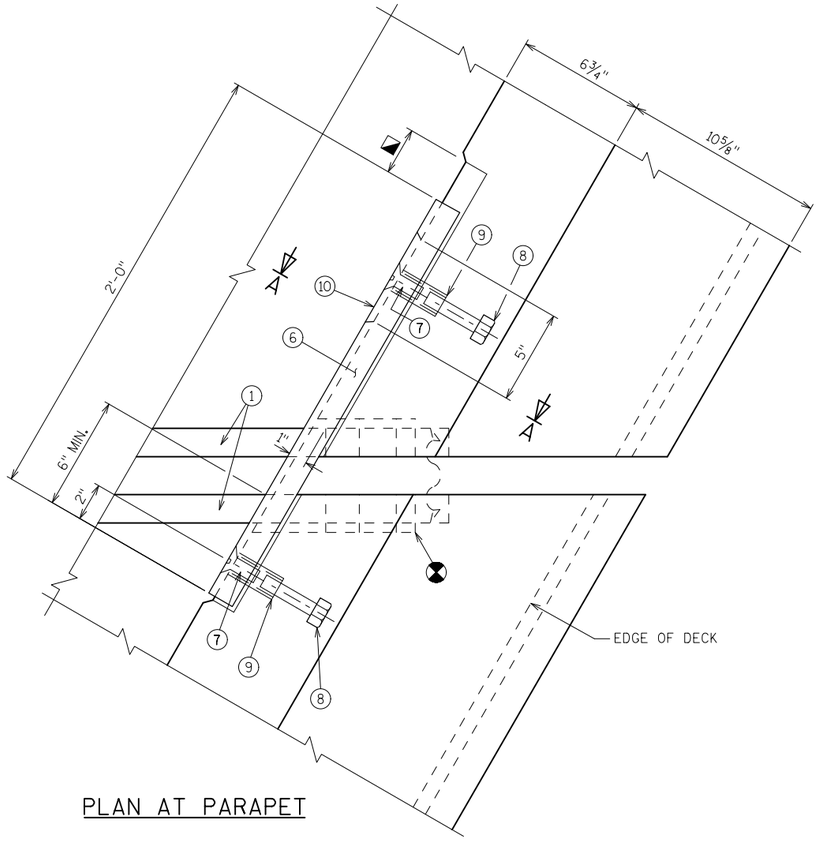
EXPANSION DEVICE

SHEET 26 OF 31

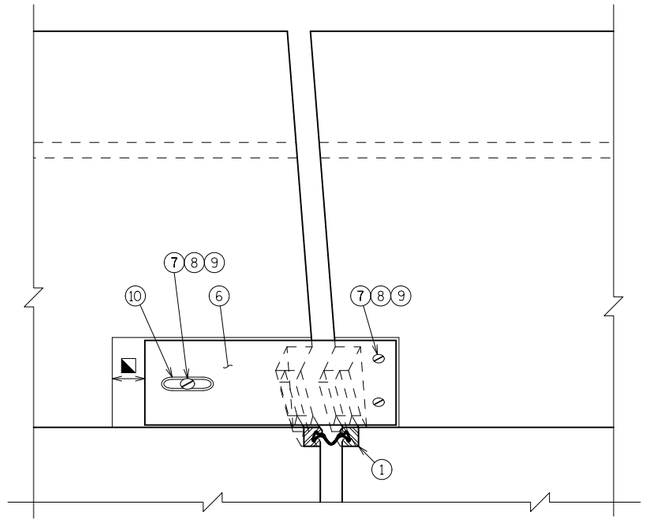
8

8

STATE PROJECT NUMBER
1022-08-73



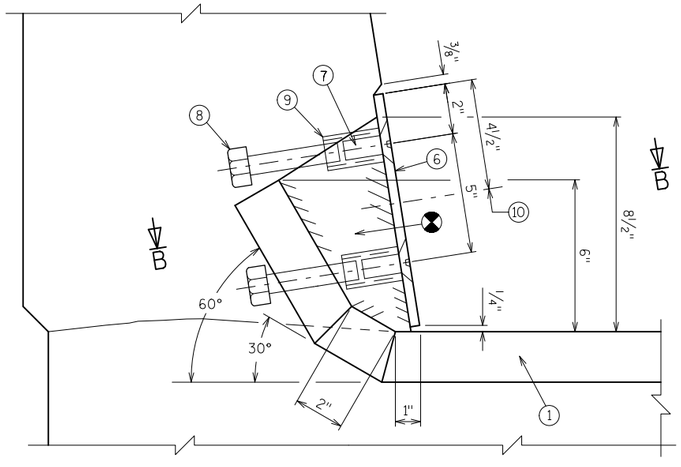
PLAN AT PARAPET



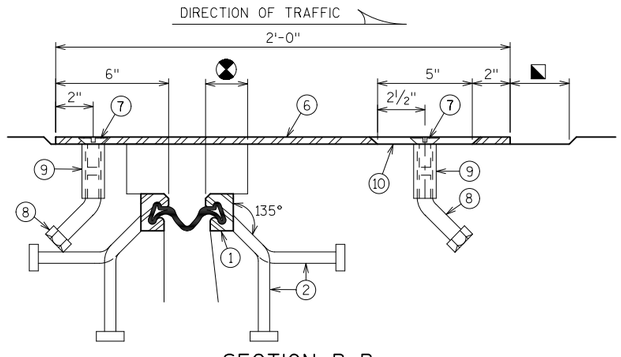
VIEW OF PARAPET PLATE FROM ROADWAY

LEGEND

1. NEOPRENE STRIP SEAL (4- INCH) AND STEEL EXTRUSIONS.
2. STUDS $\frac{5}{8}$"Φ X 6$\frac{3}{8}$" LONG AT 6" ALTERNATE CENTERS. WELD TO EXTRUSIONS AND BEND AS SHOWN AFTER WELDING.
2A. $\frac{1}{2}$" THICK ANCHOR PLATE WITH $\frac{5}{8}$"Φ ROD (OR ALTERNATE STRIP SEAL ANCHOR). WELD ROD TO ANCHOR PLATE, WELD ANCHOR PLATE TO NO. 1 AT 1'-6" CENTERS BETWEEN GIRDERS.
3. $\frac{3}{4}$" Φ THREADED ROD WITH 2 NUTS AND PLATE WASHERS. GROUT THREADED ROD INTO FIELD DRILLED HOLES ON ℄ OF GIRDER. ON ABUTMENT SIDE GROUT THREADED ROD INTO FIELD DRILLED HOLES IN ABUTMENT BACKWALL AS SHOWN.
4. $\frac{3}{4}$"Φ THREADED ROD WITH NUT. TACK WELD NUT TO NO. 5.
5. FABRICATE SUPPORT FROM 3" X $\frac{1}{2}$" BAR AS SHOWN OR EQUIVALENT, ONE PER GIRDER PER SIDE. SHOP OR FIELD WELD TO NO. 1. IF FIELD WELDED, COVER WELDED AREAS WITH EPOXY-COATING MATERIAL. PROVIDE 1$\frac{1}{2}$" Φ HOLE FOR NO. 3 AND 1" Φ HOLE FOR NO. 4.
6. GALVANIZED PLATE $\frac{3}{8}$" X 10" X 2'-0" LONG WITH HOLES FOR NO. 7.
7. $\frac{3}{4}$"Φ X 1$\frac{1}{2}$" STAINLESS STEEL SOCKET FLAT HEAD SCREWS WITH ANTI-SEIZE LUBRICANT. PLACE IN COUNTERSUNK HOLE. RECESS $\frac{1}{16}$" BELOW PLATE SURFACE.
8. $\frac{3}{4}$"Φ X 4" GALVANIZED HEX HEAD BOLT. BEND 45°.
9. $\frac{3}{4}$"Φ X 2$\frac{1}{4}$" GALVANIZED THREADED COUPLING.
10. 1" X 5" SLOTTED COUNTERSUNK HOLE FOR NO. 7. PLACE SLOT PARALLEL TO DIRECTION OF MOVEMENT.



SECTION A-A



SECTION B-B

BLOCK OUT CONCRETE 2" EACH SIDE OF JOINT OPENING.

JOINT OPENING DIMENSION ALONG SKEW PLUS $\frac{1}{2}$". SEE SHEET 26 FOR DESIGN JOINT OPENING

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-18-25

DRAWN BY JLK | PLANS CK'D. AJB

COVER PLATE DETAILS

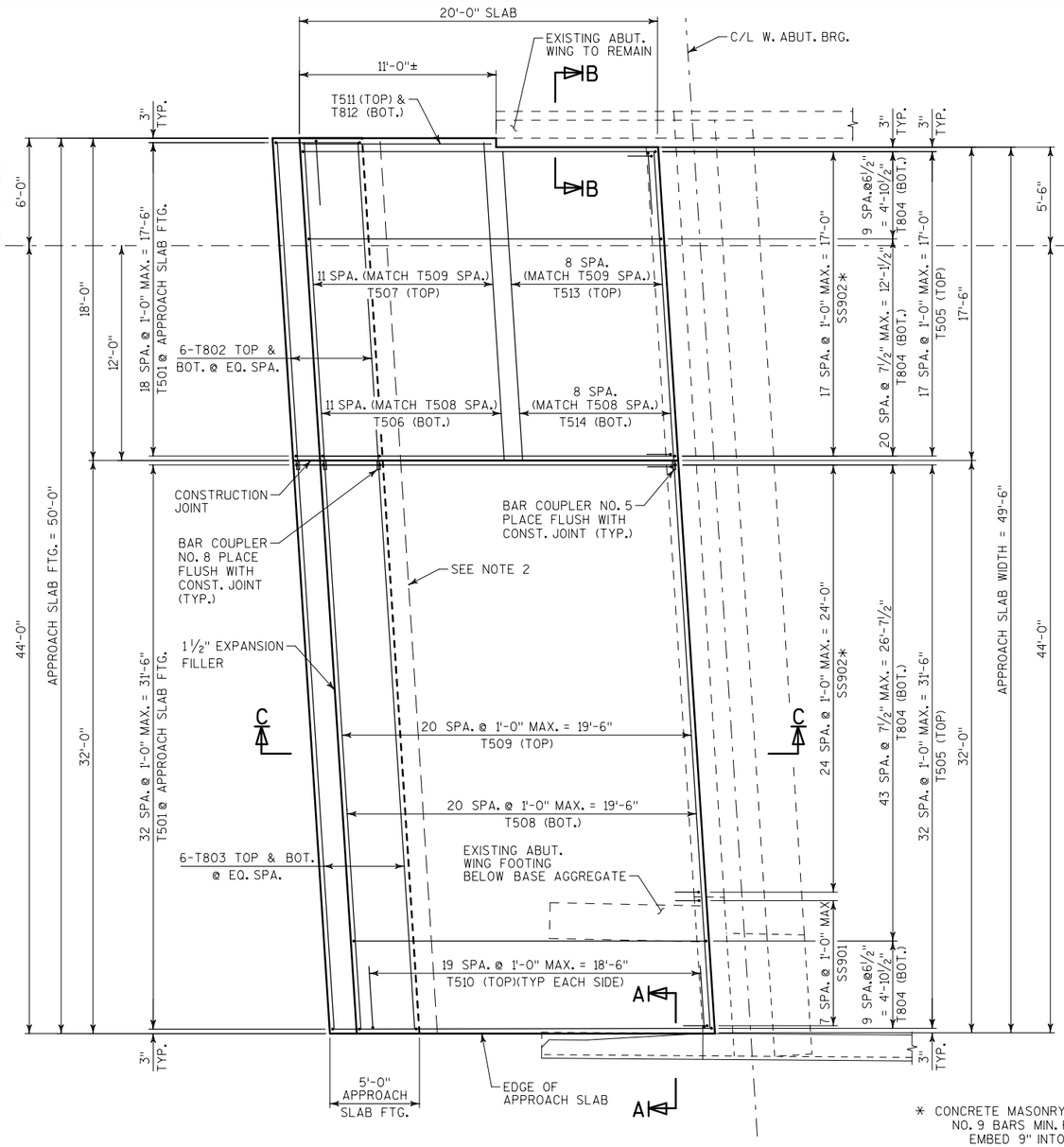
SHEET 27 OF 31

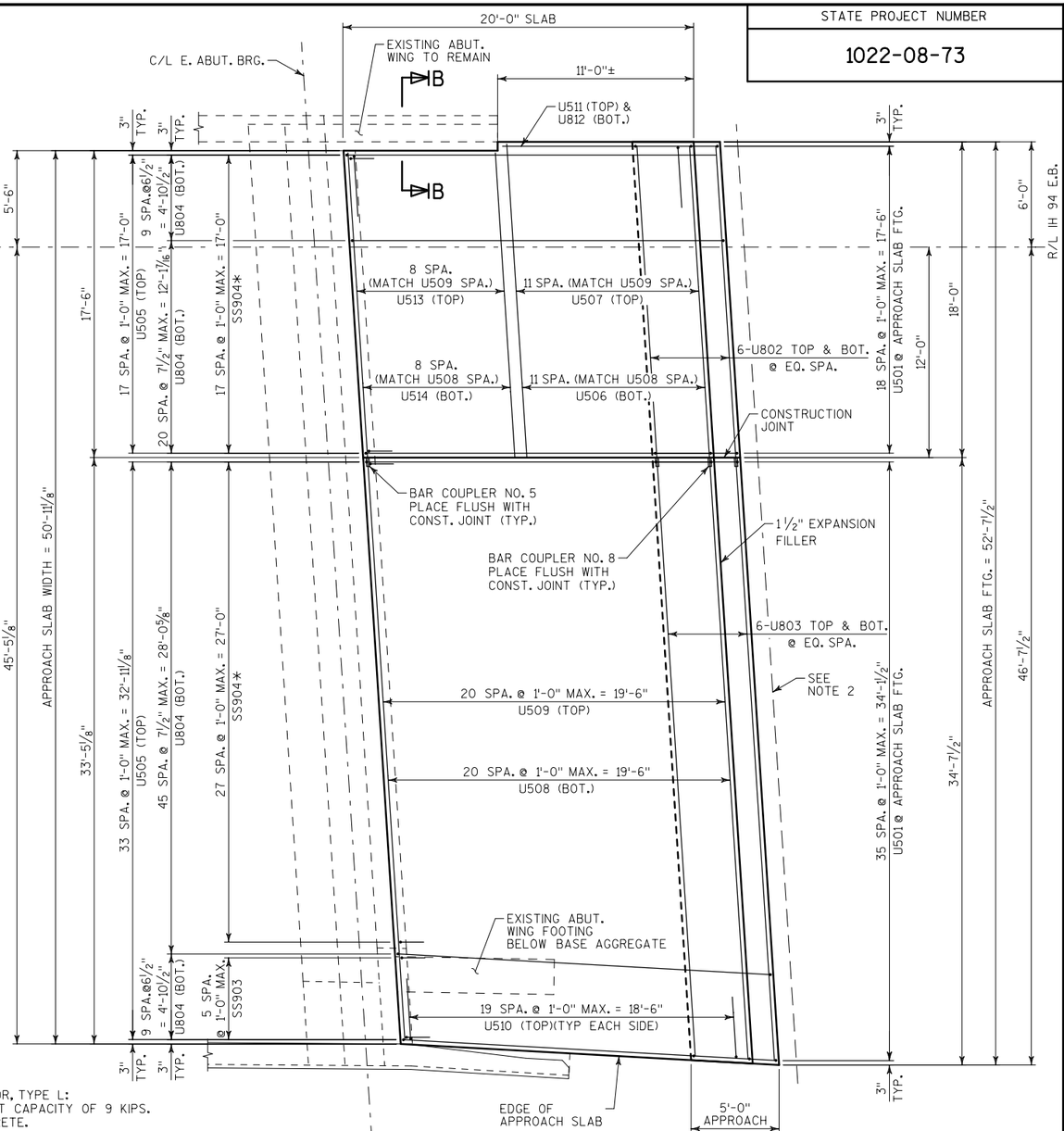
8

8

STATE PROJECT NUMBER

1022-08-73





* CONCRETE MASONRY ANCHOR, TYPE L:
NO. 9 BARS MIN. PULLOUT CAPACITY OF 9 KIPS.
EMBED 9" INTO CONCRETE.

WEST APPROACH SLAB PLAN

EAST APPROACH SLAB PLAN

NOTES:

1. SECTIONS A-A, B-B AND C-C ARE SHOWN ON SHEET 29.
2. PIPE UNDERDRAIN WRAPPED 6-INCH AT APPROACH SLAB. SLOPE 0.5% MINIMUM AND RUN TO SUITABLE DRAINAGE. PROVIDE A RODENT SCREEN.
3. BAR COUPLERS TO MATCH SIZE OF REBAR. PLACE OPEN END FLUSH WITH EXPOSED FACE OF CONCRETE.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-18-25

DRAWN BY JLK | PLANS CK'D. AJB

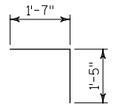
APPROACH SLAB PLAN

SHEET 28 OF 31

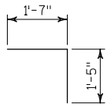
8

8

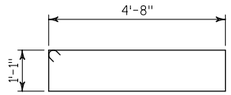
FILE NAME : B1825_080128_REV.dgn PLOT DATE : 01-FEB-2013 PLOT BY : jwahl B1825_080128_REV PLOT SCALE : 8:1



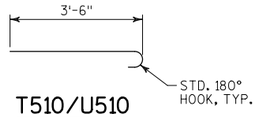
SS901/SS903



SS902*/SS904*



T501/U501



T510/U510

T804/U804

BILL OF BARS

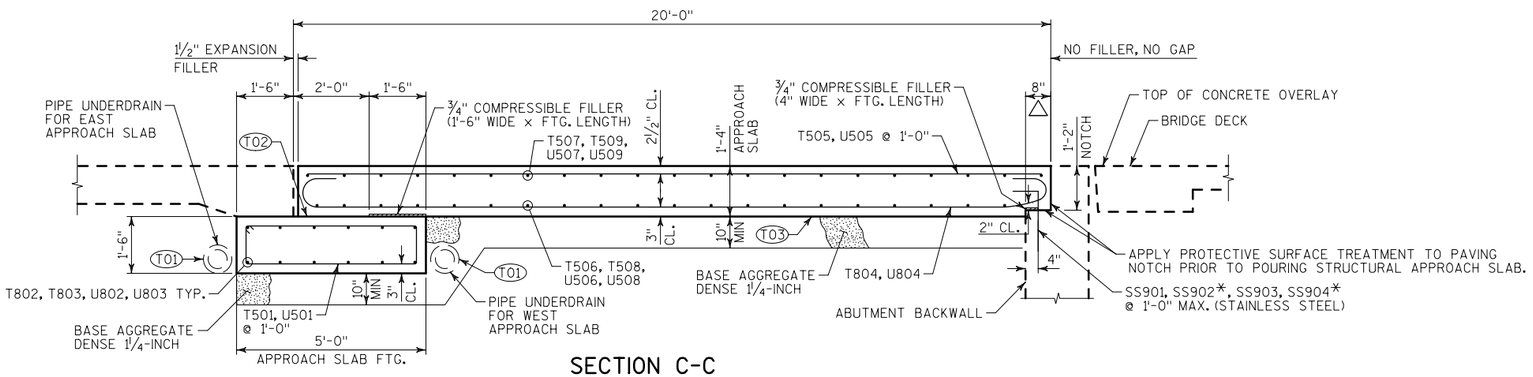
NOTE:
BAR DIMENSIONS ARE OUT TO OUT OF BAR.
THE FIRST OR FIRST TWO DIGITS
OF A BAR MARK SIGNIFIES THE BAR SIZE

	BAR MARK	COAT	NO REQ'D	LENGTH	BENT	BAR SERIES	LOCATION
	SS901		8	2'-9"	X		APPROACH SLAB - WEST ABUTMENT
*	SS902		43	2'-9"	X		APPROACH SLAB - WEST ABUTMENT
	SS903		6	2'-9"	X		APPROACH SLAB - EAST ABUTMENT
*	SS904		46	2'-9"	X		APPROACH SLAB - EAST ABUTMENT

	BAR MARK	COAT	NO REQ'D	LENGTH	BENT	BAR SERIES	LOCATION
	T501	X	52	12'-1"	X		APPROACH SLAB FTG. - STIRRUP
	U501	X	55	12'-1"	X		APPROACH SLAB FTG. - STIRRUP
#	T802	X	12	17'-9"			APPROACH SLAB FTG. - TRANS.
#	U802	X	12	17'-9"			APPROACH SLAB FTG. - TRANS.
#	T803	X	12	31'-9"			APPROACH SLAB FTG. - TRANS.
#	U803	X	12	34'-3"		△	APPROACH SLAB FTG. - TRANS.
	T804	X	83	21'-9"	X		APPROACH SLAB - LONG. BOT.
	U804	X	85	21'-9"	X		APPROACH SLAB - LONG. BOT.
	T505	X	51	19'-6"			APPROACH SLAB - LONG. TOP
	U505	X	52	19'-6"			APPROACH SLAB - LONG. TOP
#	T506	X	12	17'-9"			APPROACH SLAB - TRANS. BOT.
#	U506	X	12	17'-9"			APPROACH SLAB - TRANS. BOT.
#	T507	X	12	17'-9"			APPROACH SLAB - TRANS. TOP
#	U507	X	12	17'-9"			APPROACH SLAB - TRANS. TOP
#	T508	X	21	31'-9"			APPROACH SLAB - TRANS. BOT.
#	U508	X	21	33'-9"		△	APPROACH SLAB - TRANS. BOT.
#	T509	X	21	31'-9"			APPROACH SLAB - TRANS. TOP
#	U509	X	21	33'-9"		△	APPROACH SLAB - TRANS. TOP
	T510	X	40	4'-1"	X		APPROACH SLAB - TRANS. TOP - EDGE
	U510	X	40	4'-1"	X		APPROACH SLAB - TRANS. TOP - EDGE
	T511	X	1	10'-6"			APPROACH SLAB - LONG. TOP - EDGE
	U511	X	1	10'-6"			APPROACH SLAB - LONG. TOP - EDGE
	T812	X	1	10'-6"			APPROACH SLAB - LONG. BOT. - EDGE
	U812	X	1	10'-6"			APPROACH SLAB - LONG. BOT. - EDGE
	T513	X	9	17'-3"			APPROACH SLAB - TRANS. TOP
	U513	X	9	17'-3"			APPROACH SLAB - TRANS. TOP
	T514	X	9	17'-3"			APPROACH SLAB - TRANS. BOT.
	U514	X	9	17'-3"			APPROACH SLAB - TRANS. BOT.

△ LENGTH SHOWN FOR BAR IS AN AVERAGE LENGTH AND SHOULD ONLY BE USED FOR BAR WEIGHT CALCULATIONS. SEE BAR SERIES TABLE FOR ACTUAL LENGTHS.

BAR LENGTH GIVEN TO CONSTRUCTION JOINT. ADJUST LENGTH AS REQUIRED TO ACCOMMODATE MECHANICAL COUPLER.



SECTION C-C

SECTION THRU APPROACH SLAB

△ PAVING NOTCH MEASURED NORMAL TO ABUTMENT

STATE PROJECT NUMBER

1022-08-73

LEGEND

(T01) PIPE UNDERDRAIN WRAPPED 6-INCH AT APPROACH SLAB. LOCATED ONLY ON UPHILL SIDE OF APPROACH SLAB FOOTING. SLOPE 0.5% MINIMUM AND RUN TO SUITABLE DRAINAGE. PROVIDE A RODENT SCREEN.

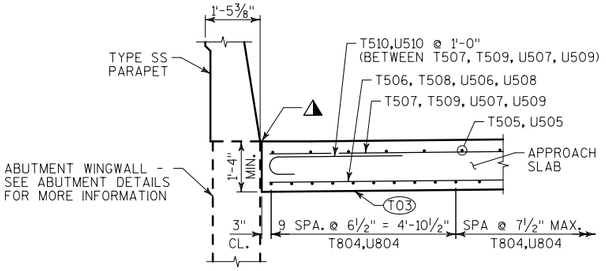
(T02) STEEL TROWEL TOP SURFACE OF FOOTING AND PLACE MULTIPLE LAYERS (0.03" MIN. TOTAL THK.) OF POLYETHYLENE SHEETS OVER THE ENTIRE LENGTH OF THE FOOTING.

(T03) PLACE MULTIPLE LAYERS (0.03" MIN. TOTAL THK.) OF POLYETHYLENE SHEETS OVER THE ENTIRE LENGTH OF THE SUBGRADE.

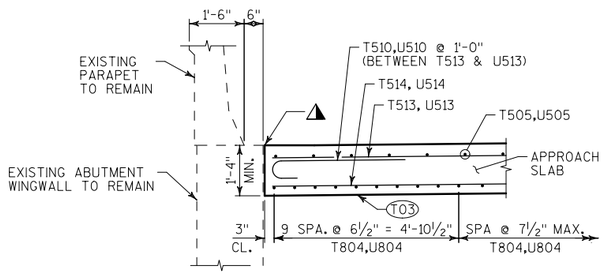
△ SEAL ALL EXPOSED HORIZONTAL AND VERTICAL SURFACES OF ½" FILLER WITH NON-STAINING GRAY NON-BITUMINOUS JOINT SEALER. (1" DEEP AND HOLD ⅛" BELOW SURFACE OF CONCRETE).

BAR SERIES TABLE

BAR MARK	NO. REQ'D	LENGTH
U803	2 SERIES OF 6	34'-1" TO 34'-4"
U508	1 SERIES OF 21	33'-2" TO 34'-4"
U509	1 SERIES OF 21	33'-2" TO 34'-4"



SECTION A-A



SECTION B-B

* CONCRETE MASONRY ANCHOR, TYPE L: NO. 9 BARS MIN. PULLOUT CAPACITY OF 9 KIPS. EMBED 9" INTO CONCRETE.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-18-25

DRAWN BY JLK | PLANS CK'D. AJB

APPROACH SLAB DETAILS

SHEET 29 OF 31

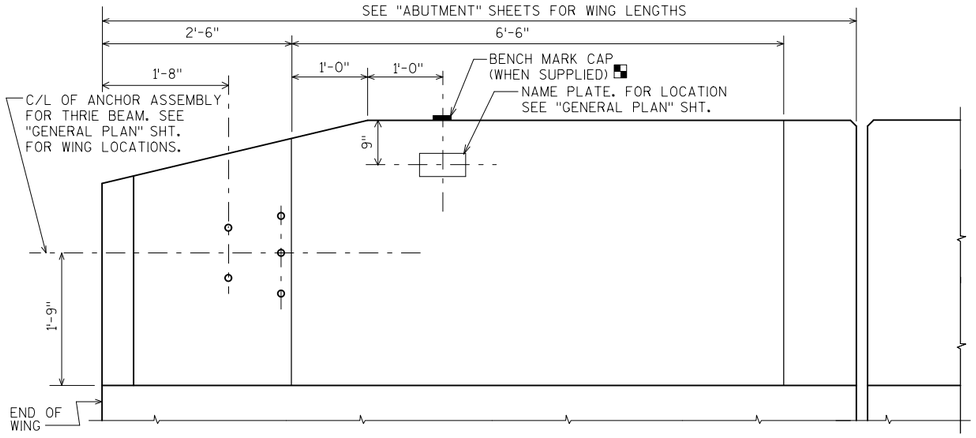
8

8

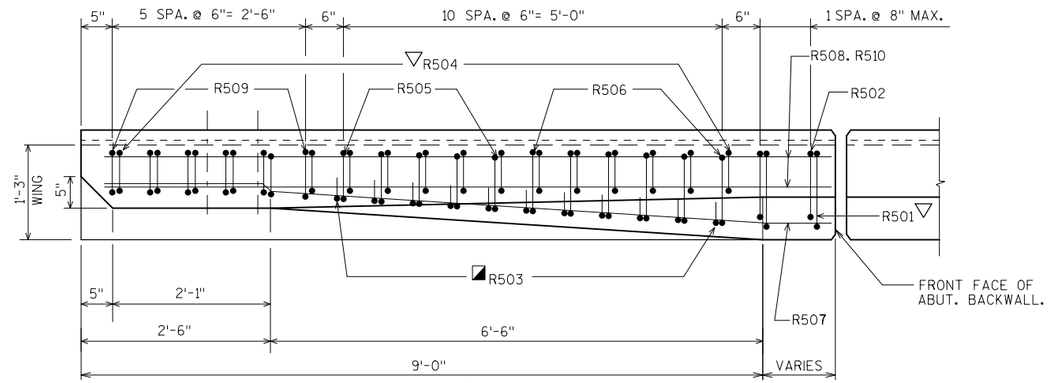
FILE NAME : B1825_080129_REV.dgn PLOT DATE : 01-FEB-2013 PLOT BY : jwahl B1825_080129_REV PLOT SCALE : 4:1

STATE PROJECT NUMBER

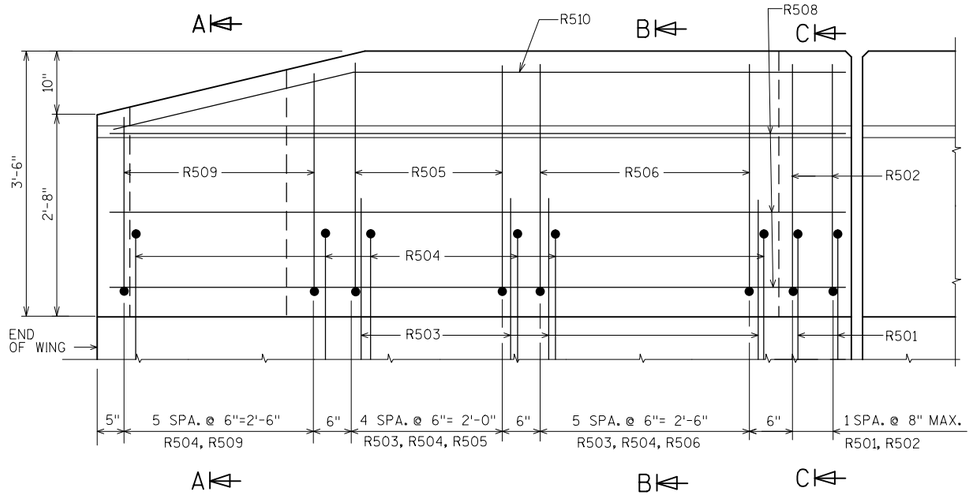
1022-08-73



INSIDE ELEVATION

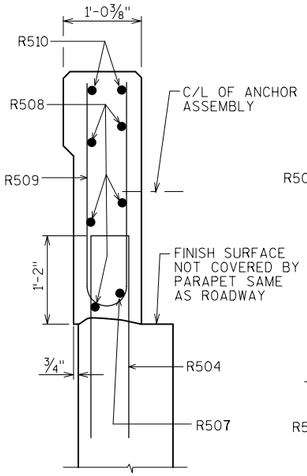


PLAN

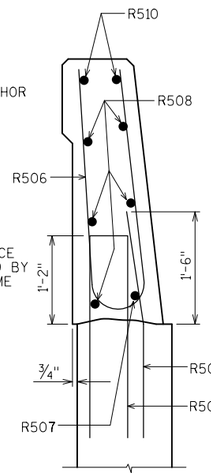


OUTSIDE ELEVATION

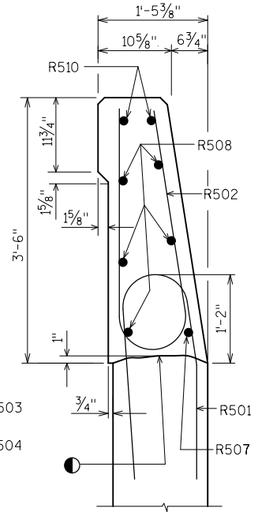
AVOID PLACING A BENCH MARK CAP BELOW A RAIL OR FENCE SYSTEM THAT IS ATTACHED TO THE TOP OF THE PARAPET.



SECTION A



SECTION B



SECTION C

BILL OF BARS

FOR ABUTMENT PARAPETS

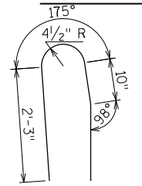
BAR MARK	COAT	WEST ABUT.	EAST ABUT.	LENGTH	BENT	BAR SERIES	LOCATION
R501	X	2	2	5'-10"	X		PARAPET VERT.
R502	X	2	2	6'-8"	X		PARAPET VERT.
R503	X	11	11	3'-0"	X		PARAPET VERT.
R504	X	17	17	5'-7"	X		PARAPET VERT.
R505	X	5	5	6'-5"	X		PARAPET VERT.
R506	X	6	6	6'-6"	X		PARAPET VERT.
R507	X	1	1	9'-1"	X		PARAPET HORIZ.
R508	X	5	5	9'-1"			PARAPET HORIZ.
R509	X	6	6	5'-5"	X	◭	PARAPET VERT.
R510	X	2	2	9'-1"	X		PARAPET HORIZ.

◭ LENGTH SHOWN FOR BAR IS AN AVERAGE LENGTH AND SHOULD ONLY BE USED FOR BAR WEIGHT CALCULATIONS. SEE BAR SERIES TABLE FOR ACTUAL LENGTHS.

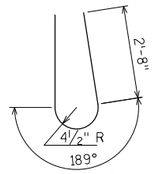
BAR SERIES TABLE

MARK	NO. REQD.	LENGTH
R509	2 SERIES OF 6	4'-9" TO 6'-1"

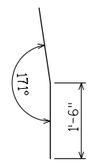
BUNDLE AND TAG EACH SERIES SEPARATELY.



R501



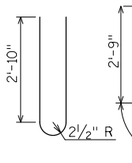
R502



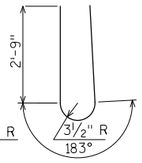
R503



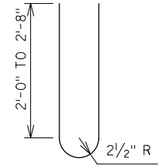
R504



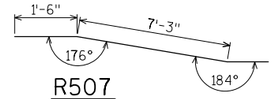
R505



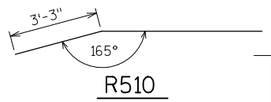
R506



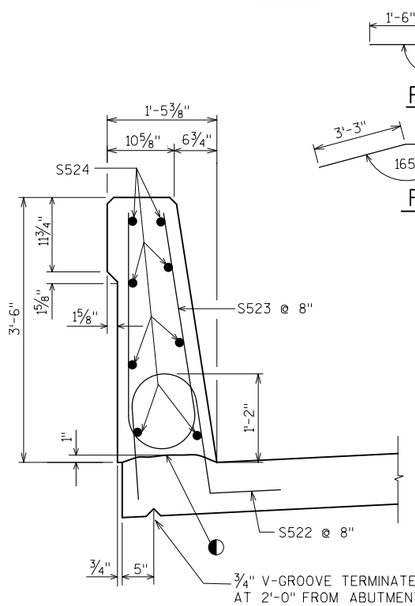
R509



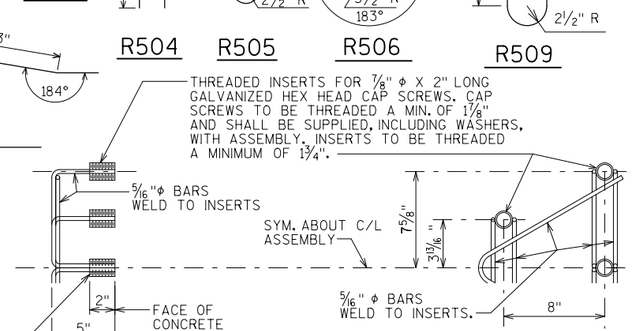
R507



R510



SECTION THRU PARAPET ON BRIDGE



DETAIL OF ANCHOR ASSEMBLY

NOTE: HEX HEAD CAP SCREWS & WASHERS TO BE GALVANIZED IN ACCORDANCE WITH AASHTO M232 CLASS C.

ASSEMBLY SHALL BE BID ITEM "ANCHOR ASSEMBLIES FOR STEEL PLATE BEAM GUARD", EACH.

◐ CONST. JOINT - STRIKE OFF AS SHOWN.

◪ R503 BARS MAY BE PLACED AFTER CONCRETE IS POURED BUT BEFORE INITIAL SET HAS TAKEN PLACE. USE CARE TO PLACE R503 BARS CORRECTLY ALONG TRANSITION OF PARAPET.

▽ R501 AND R504 BARS TO BE TIED TO WING STEEL BEFORE WING IS POURED.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-18-25

DRAWN BY JLK | PLANS CK'D. AJB

SINGLE SLOPE PARAPET 42SS

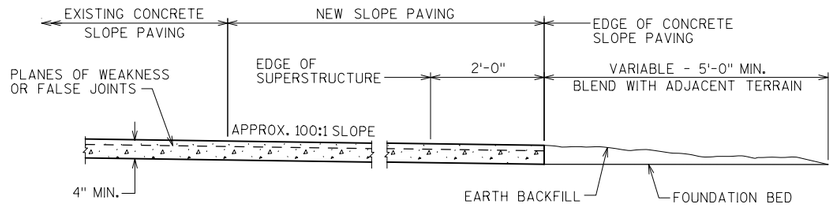
SHEET 30 OF 31

8

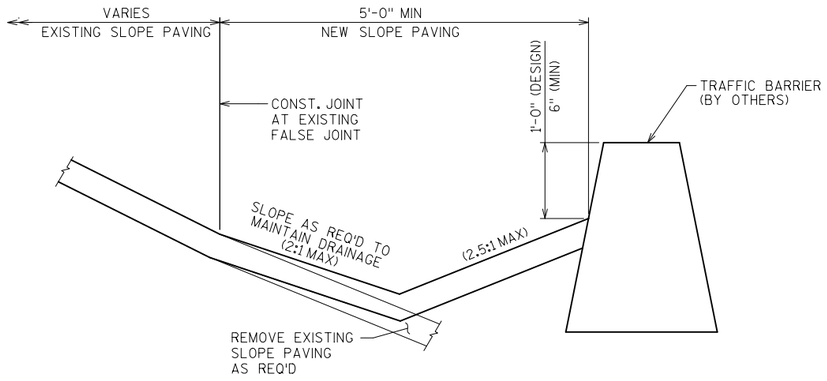
8

STATE PROJECT NUMBER

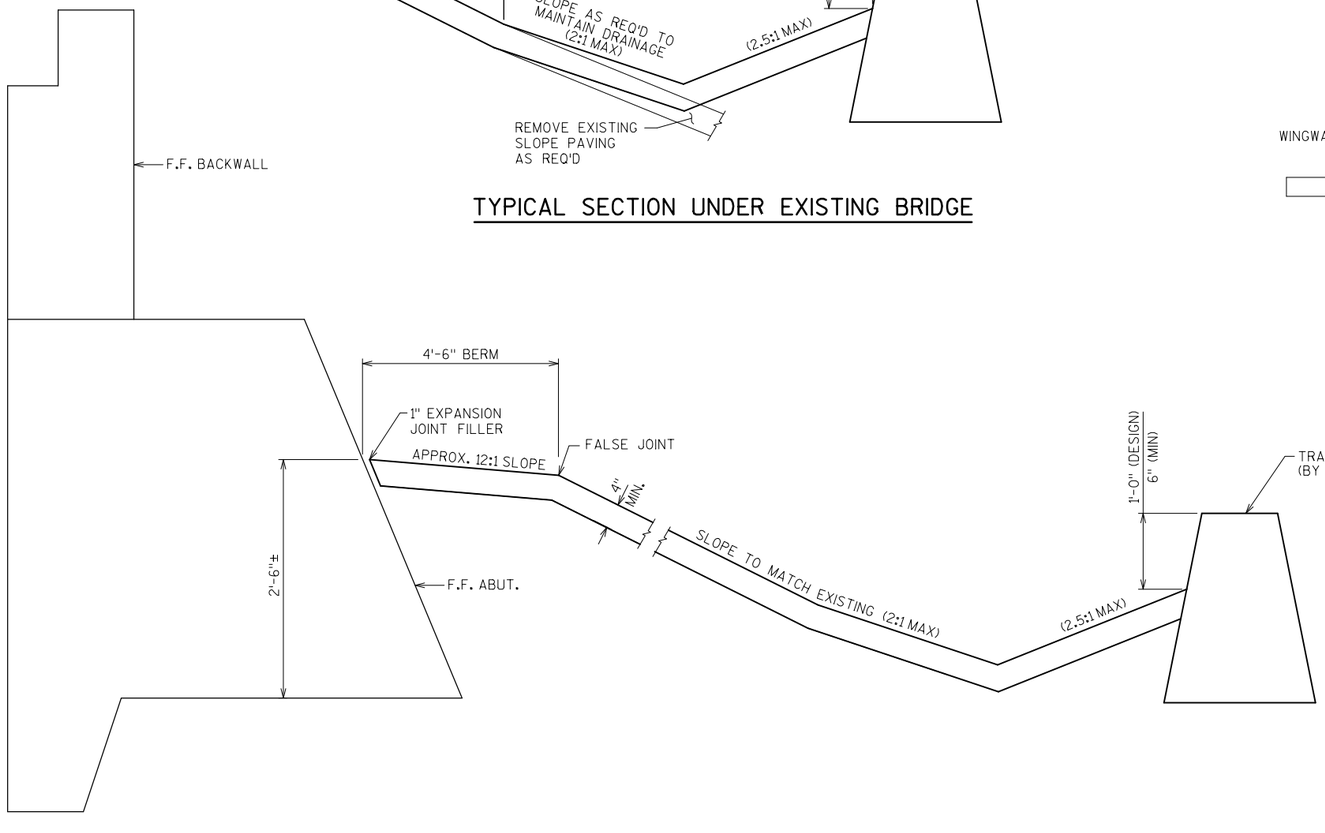
1022-08-73



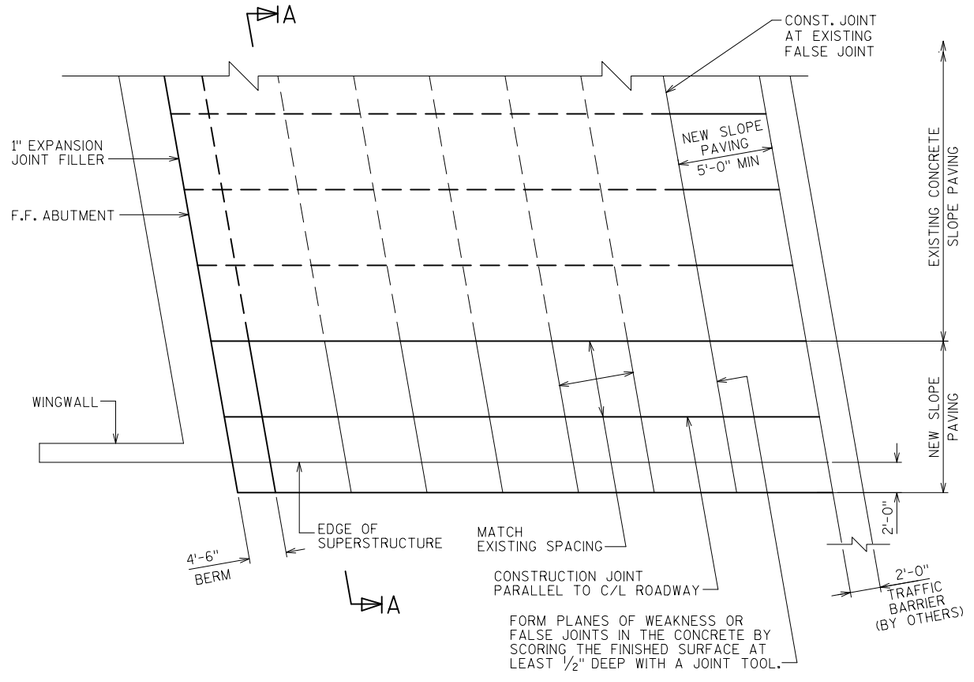
SECTION A-A



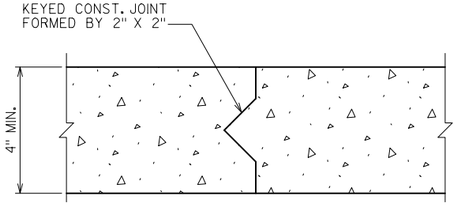
TYPICAL SECTION UNDER EXISTING BRIDGE



TYPICAL SECTION THRU NEW SLOPE PAVING UNDER WIDENED BRIDGE



CONSTRUCTION JOINT DESIGN



CONSTRUCTION JOINT

GENERAL NOTES

DETAILS OF CONSTRUCTION NOT SHOWN HEREON SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-18-25

DRAWN BY	JLK	PLANS CK'D.	AJB

SLOPE PAVING (CONCRETE CAST-IN-PLACE)

SHEET 31 OF 31

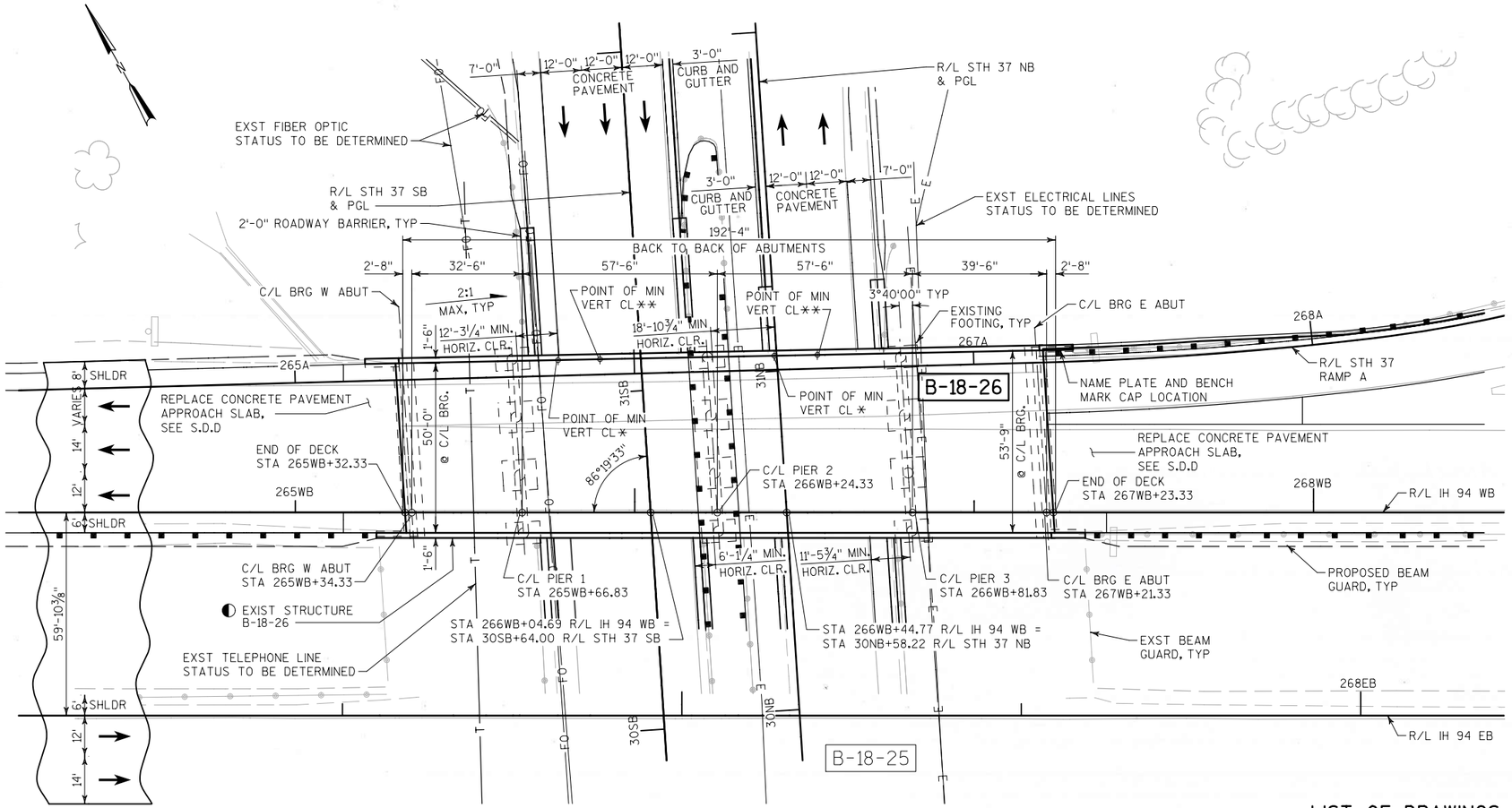
8

8

FILE NAME : B1825_080131_REV.dgn PLOT DATE : 01-FEB-2013 PLOT BY : jwahl B1825_080131_REV PLOT SCALE : 2.000004:1

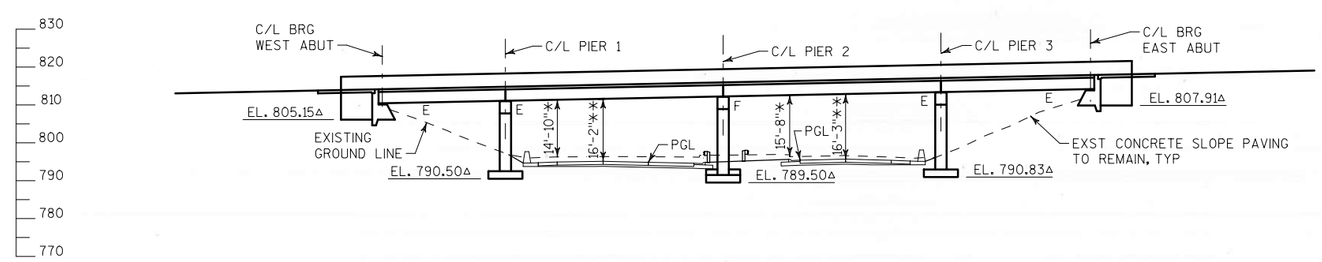
STATE PROJECT NUMBER

1022-08-73



PLAN

(4-SPAN 36" PRESTRESSED GIRDERS)



ELEVATION

(LOOKING NORTH)

* INTERIM MINIMUM VERTICAL CLEARANCE
** ULTIMATE MINIMUM VERTICAL CLEARANCE
△ ELEVATION FROM ORIGINAL CONSTRUCTION PLANS

DESIGN DATA - STRENGTHENING

LIVE LOAD:

DESIGN LOADING: HS-20
INVENTORY RATING = HS20
OPERATING RATING = HS33
WISCONSIN STANDARD PERMIT VEHICLE (WIS-SPV): 240 KIPS

THE EXISTING DECK DOES NOT HAVE AN OVERLAY, AND NO ALLOWANCE HAS BEEN MADE FOR A FUTURE WEARING SURFACE LOAD.

ULTIMATE DESIGN STRESSES:

(ASSUMED EXISTING STRUCTURE MATERIAL STRENGTHS)

CONCRETE MASONRY:
- SUPERSTRUCTURE (EXISTING)..... f'c = 4,000 psi
- SUBSTRUCTURE (EXISTING & STRENGTHENING)..... f'c = 3,500 psi
- 36-INCH PRESTRESSED GIRDERS (EXISTING)..... f'c = 5,000 psi
- SPAN 2, GIRDER Ⓑ ONLY (EXISTING)..... f'c = 6,000 psi

BAR STEEL REINFORCEMENT (EXISTING)..... fy = 40,000 psi
BAR STEEL REINFORCEMENT (STRENGTHENING)..... fy = 60,000 psi
PRESTRESSING STRANDS .... ULTIMATE TENSILE STRENGTH = 270,000 psi

TRAFFIC DATA

IH 94	STH 37
A.D.T. = 32,100 (2013)	A.D.T. = 13,300 (2008)
A.D.T. = 41,000 (2033)	R.D.S. = 50 MPH
R.D.S. = 70 MPH	

◐ EXISTING STRUCTURES B-18-26 IS A 4-SPAN PRESTRESSED CONCRETE GIRDER BRIDGE. PLANS OF THE EXISTING STRUCTURES ARE AVAILABLE FOR REVIEW AT WISDOT NW REGION OFFICE, 718 W. CLAIREMONT AVE., EAU CLAIRE, WI, OR THROUGH THE WISDOT STRUCTURES WEBSITE.

LIST OF DRAWINGS

1. GENERAL PLAN & ELEVATION
2. TYPICAL SECTIONS
3. QUANTITIES, NOTES, & PROFILE GRADE LINES
4. PIER STRENGTHENING
5. PIER 2 FOOTING STRENGTHENING
6. PRESTRESSED GIRDER STRENGTHENING

STRUCTURES DESIGN CONTACTS

BRIDGE OFFICE:
WILLIAM DREHER (608) 266-8489
CONSULTANT:
MARK MADAY (262) 548-5618

NO.	DATE	REVISION	BY

WISCONSIN PROFESSIONAL ENGINEER
MARK A. MADAY
E-25925
MILWAUKEE, WI
Feb. 1, 2013

CH2MHILL
MILWAUKEE, WISCONSIN

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

ACCEPTED William C. Dreher KAR 02/07/13
CHIEF STRUCTURES DESIGN ENGINEER DATE

STRUCTURE B-18-26

IH 94 WB OVER STH 37

COUNTY	TOWN ~~CITY/VILLAGE~~
EAU CLAIRE	BRUNSWICK

DESIGN SPEC.
AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS

DESIGNED BY	DESIGN CK'D.	DRAWN BY	PLANS CK'D.
AJB	ACP	JLK	MAM

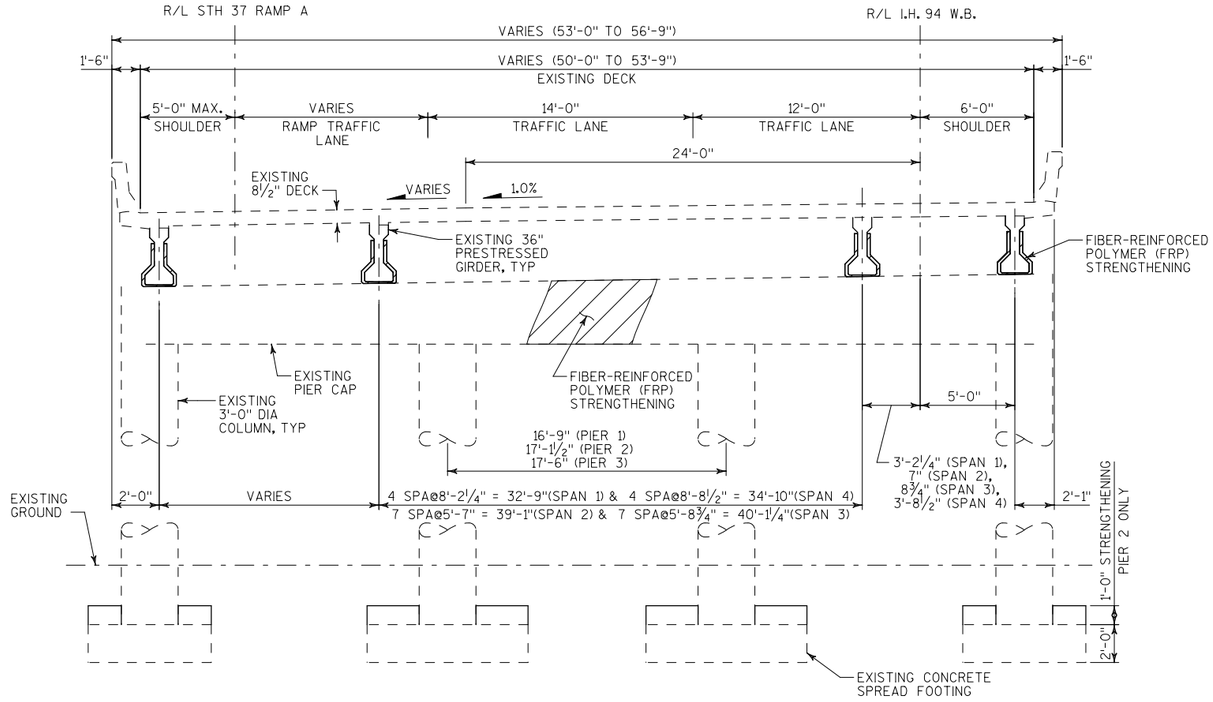
GENERAL PLAN & ELEVATION

SHEET 1 OF 6

FILE NAME : B1826_080101.dgn PLOT DATE : 01-FEB-2013 PLOT BY : jwahl B1826_080101 PLOT SCALE : 40:1

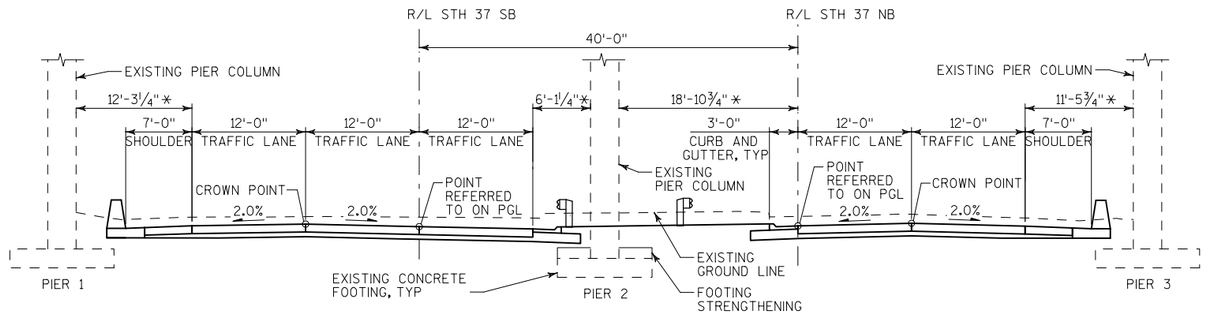
STATE PROJECT NUMBER

1022-08-73



TYPICAL SECTION THRU IH 94 W.B.

(LOOKING EAST)



* MINIMUM HORIZONTAL CLEARANCE

STH 37 TYPICAL SECTION UNDER IH 94 W.B. BRIDGE

(LOOKING NORTH AT STH 37 NB STATION 30NB+98.23 AND STH 37 SB STATION 30SB+04.01)

8

8

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-18-26

DRAWN BY MHM | PLANS CK'D. ACP

TYPICAL SECTIONS

SHEET 2 OF 6

FILE NAME : B1826_080102.dgn PLOT DATE : 01-FEB-2013 PLOT BY : jwahl B1826_080102 PLOT SCALE : 8:1

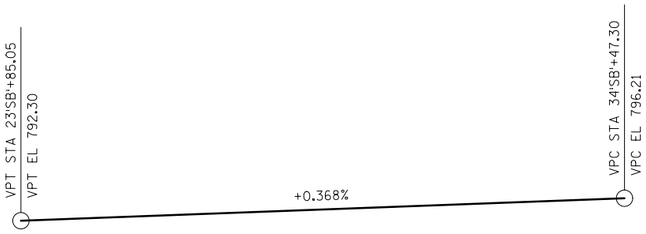
STATE PROJECT NUMBER

1022-08-73

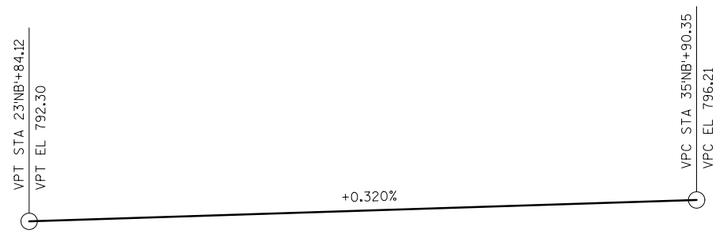
TOTAL ESTIMATED QUANTITIES

	ITEM NO.	BID ITEMS	UNIT	WEST ABUTMENT	PIER 1	PIER 2	PIER 3	EAST ABUTMENT	SUPER	TOTAL
	206.1000	EXCAVATION FOR STRUCTURE BRIDGES B-18-26	LS	—	—	—	—	—	—	1
	502.0100	CONCRETE MASONRY BRIDGES	CY	—	—	11	—	—	—	11
	502.5005	MASONRY ANCHORS TYPE L NO. 5 BARS	EACH	—	—	144	—	—	—	144
	502.5010	MASONRY ANCHORS TYPE L NO. 6 BARS	EACH	—	—	144	—	—	—	144
	505.0405	BAR STEEL REINFORCEMENT HS BRIDGES	LB	—	—	1000	—	—	—	1000
*	509.1500	CONCRETE SURFACE REPAIR	SF	25	25	25	25	25	—	125
**	SPV.0165.10	FIBER WRAP REINFORCING	SF	—	413	424	435	—	4817	6089

* UNDISTRIBUTED QUANTITY FOR REPAIRS AS DIRECTED BY THE ENGINEER, IF NECESSARY
** QUANTITY CONSISTS OF THE APPROXIMATE CONCRETE SURFACE AREA THAT REQUIRES STRENGTHENING



PROFILE GRADE LINE - STH 37 SB



PROFILE GRADE LINE - STH 37 NB

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2" CLEAR UNLESS OTHERWISE NOTED.

BEVEL EXPOSED EDGES OF CONCRETE $\frac{3}{4}$" UNLESS OTHERWISE NOTED.

ALL DIMENSIONS ARE IN FEET AND INCHES UNLESS OTHERWISE NOTED.

ALL STATIONS AND ELEVATIONS ARE IN FEET. ELEVATIONS ARE REFERENCED TO THE NGVD DATUM.

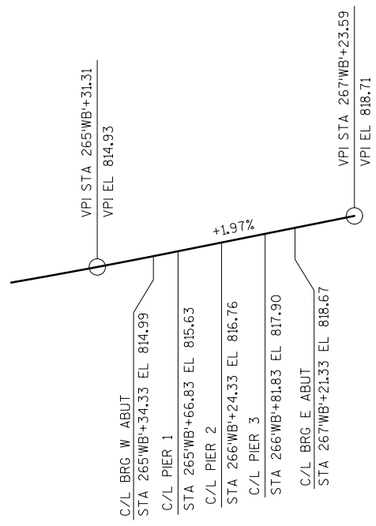
THE EXISTING GROUNDLINE SHALL BE THE UPPER LIMITS OF "EXCAVATION FOR STRUCTURES".

THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFY THE BAR SIZE.

THE UTILITY INFORMATION SHOWN ON THESE DRAWINGS CONCERNING TYPE AND LOCATION OF UNDERGROUND UTILITIES IS NOT GUARANTEED TO BE ACCURATE OR ALL-INCLUSIVE. THE CONTRACTOR IS RESPONSIBLE FOR MAKING HIS OWN DETERMINATION AS TO TYPE AND LOCATION OF UNDERGROUND UTILITIES AS MAY BE NECESSARY TO AVOID DAMAGE.

THE EXISTING BRIDGE B-18-26 IS A FOUR SPAN PRESTRESSED CONCRETE GIRDER STRUCTURE.

A FIBER-REINFORCED POLYMER (FRP) STRENGTHENING SYSTEM SHALL BE DESIGNED AND APPLIED TO PORTIONS OF THE EXISTING GIRDERS AND PIER CAPS AS SHOWN IN THESE PLANS AND IN ACCORDANCE WITH THE "FIBER WRAP REINFORCING" SPECIAL PROVISION. THE EXISTING CONCRETE FOOTINGS AT PIER 2 SHALL ALSO BE STRENGTHENED BY INCREASING THE THICKNESS OF THE FOOTINGS.



PROFILE GRADE LINE - IH 94 WB

8

8

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

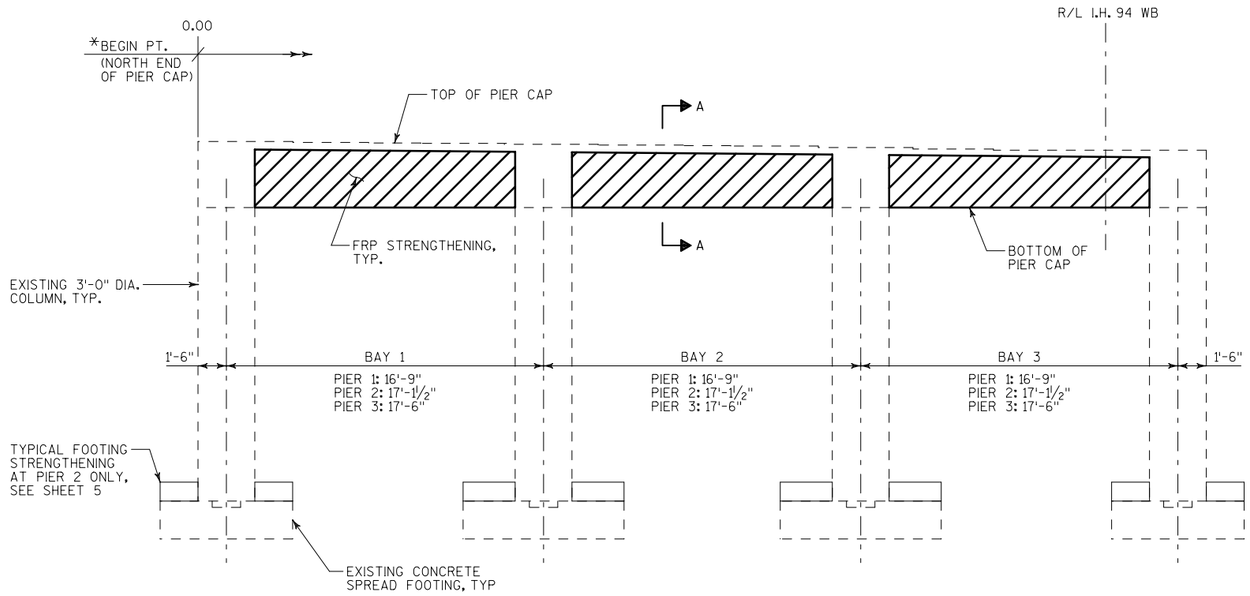
STRUCTURE B-18-26

DRAWN BY JLK | PLANS CK'D. ACP

QUANTITES, NOTES, & PROFILE GRADE LINES

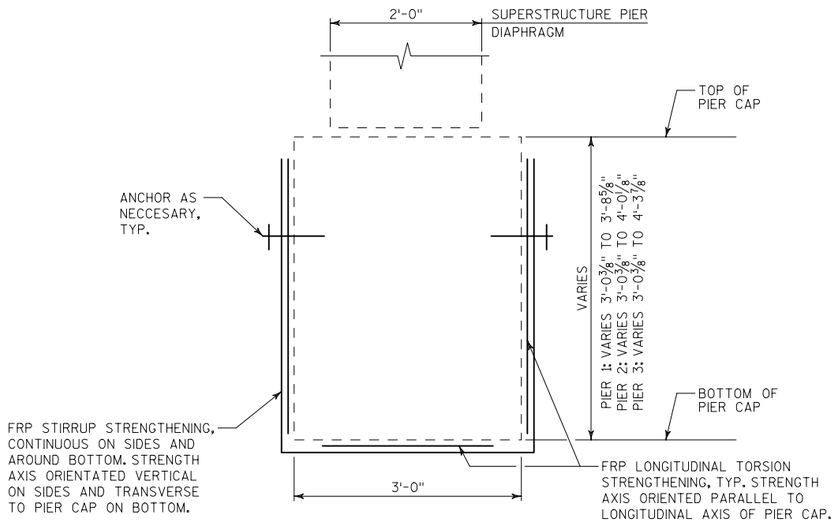
SHEET 3 OF 6

FILE NAME : B1826_080103.dgn PLOT DATE : 01-FEB-2013 PLOT BY : jwahl B1826_080103 PLOT SCALE : 8:1



PIER ELEVATION

(LOOKING EAST)



SECTION A

FRP STRENGTHENING

PIER	BAY	* BEGIN (FT)	END (FT)	EXISTING STIRRUP GRADE 40 REBAR AREA (IN^2/FT)	ADDITIONAL STIRRUP GRADE 40 REBAR AREA REQ'D (IN^2/FT)	ADDITIONAL LONGITUDINAL GRADE 40 REBAR AREA FOR TORSION REQ'D (IN^2) △
1	1	3.00	8.33	0.27	0.59	3.97
		8.33	11.17	0.27	0.27	3.97
		11.17	12.17	0.27	0.45	3.97
		12.17	16.75	0.53	0.30	3.97
	2	19.75	25.00	0.27	0.73	3.97
		25.00	28.92	0.27	0.30	3.97
		28.92	33.50	0.27	0.53	3.97
	3	36.50	41.08	0.53	0.66	3.97
		41.08	45.67	0.27	0.27	3.97
		45.67	50.25	0.27	0.60	3.97
2	1	3.00	7.75	0.27	0.60	5.65
		7.75	12.38	0.27	0.27	5.65
		12.38	17.13	0.53	1.10	5.65
	2	20.13	24.38	0.27	1.13	5.65
		24.38	29.38	0.27	0.27	5.65
		29.38	34.25	0.27	1.01	5.65
	3	37.25	42.00	0.53	0.82	5.65
		42.00	46.50	0.27	0.27	5.65
		46.50	51.38	0.27	0.64	5.65
3	1	3.00	12.75	0.27	0.61	6.23
		12.75	17.50	0.53	0.95	6.23
	2	20.50	25.00	0.27	0.77	6.23
		25.00	30.50	0.27	0.30	6.23
		30.50	35.00	0.27	0.77	6.23
	3	38.00	42.75	0.53	0.41	6.23
		42.75	52.50	0.27	0.27	6.23

△ FRP TO BE UNIFORMLY DISTRIBUTED ON PIER CAP SIDES AND BOTTOM.

NOTES: SEE GENERAL PLAN & ELEVATION SHEET FOR ASSUMED EXISTING STRUCTURE MATERIAL STRENGTHS.

FRP STRENGTHENING TO BE IN ACCORDANCE WITH "FIBER WRAP REINFORCING" SPECIAL PROVISION.

8

8

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-18-26

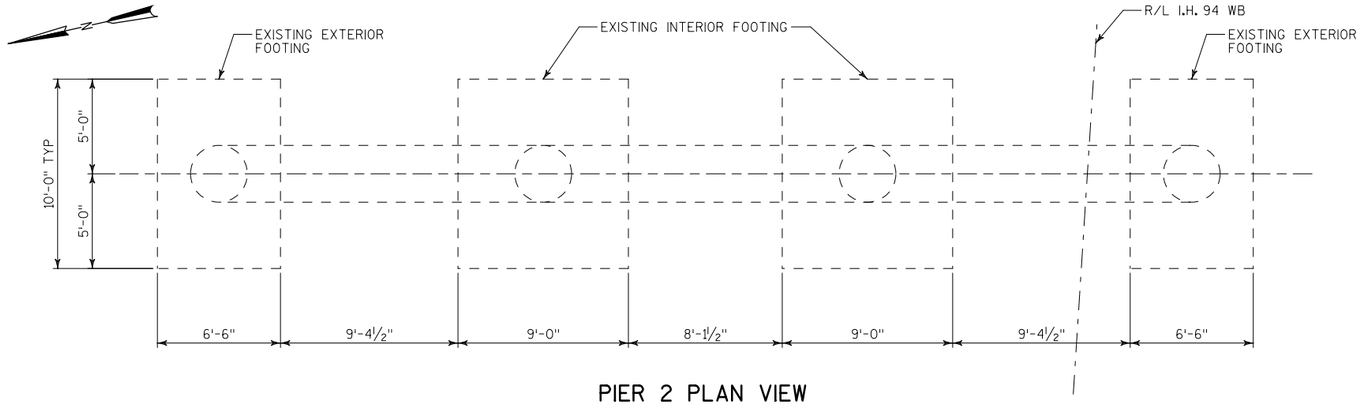
DRAWN BY MHM | PLANS CK'D. CWM

PIER STRENGTHENING

SHEET 4 OF 6

STATE PROJECT NUMBER

1022-08-73

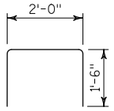


PIER 2 PLAN VIEW

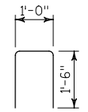
BILL OF BARS

NOTE:
BAR DIMENSIONS ARE OUT TO OUT OF BAR.
THE FIRST OR FIRST TWO DIGITS
OF A BAR MARK SIGNIFIES THE BAR SIZE

	BAR MARK	COAT	NO REQ'D	LENGTH	BENT	BAR SERIES	LOCATION
	P501		8	9'-6"			INTERIOR FOOTING LONGITUDINAL
	P502		8	3'-1"			INTERIOR FOOTING LONGITUDINAL
*	P603		72	4'-8"	X		INTERIOR FOOTING DOWEL
	P504		8	9'-6"			EXTERIOR FOOTING LONGITUDINAL
	P505		8	3'-1"			EXTERIOR FOOTING LONGITUDINAL
*	P506		72	3'-9"	X		EXTERIOR FOOTING DOWEL



P603

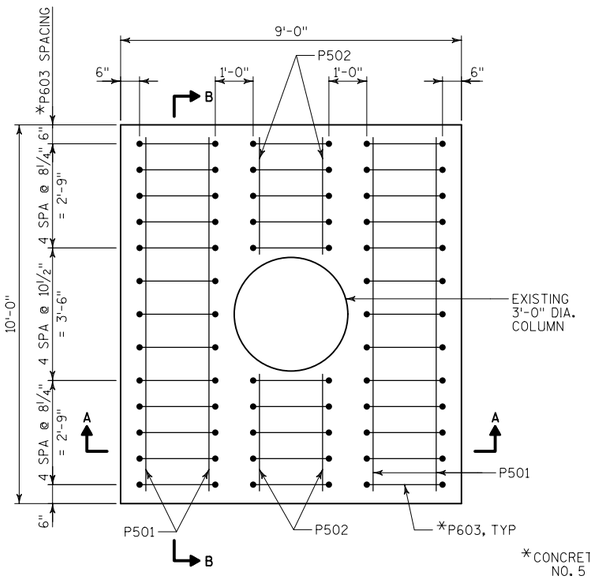


P506

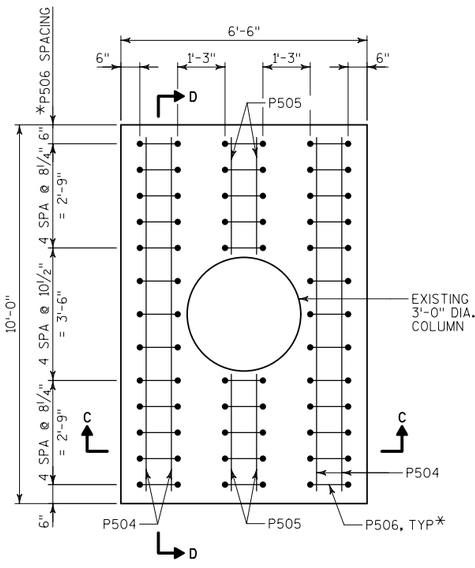
NOTES:

EXISTING FOOTINGS SHALL BE STRENGTHENED BY ADDING 1-0" OF CONCRETE TO THE TOP OF EACH FOOTING.

EXISTING BRIDGE PLANS INDICATE THAT THERE IS NO TOP LAYER OF REINFORCEMENT IN FOOTINGS.

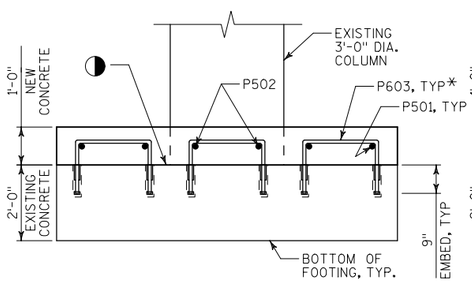


INTERIOR FOOTING PLAN



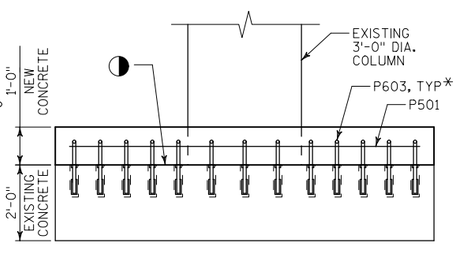
EXTERIOR FOOTING PLAN

*CONCRETE MASONRY ANCHOR, TYPE L:
NO. 5 BARS MIN. PULLOUT CAPACITY OF 6 KIPS.
EMBED 9" INTO CONCRETE.
NO. 6 BARS MIN. PULLOUT CAPACITY OF 7 KIPS.
EMBED 9" INTO CONCRETE.



SECTION A

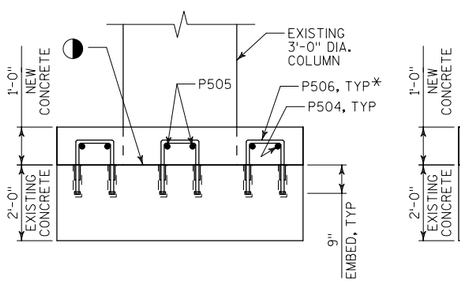
EXISTING FOOTING & COLUMN
REINFORCING NOT SHOWN



SECTION B

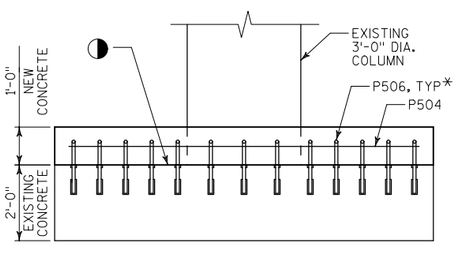
EXISTING FOOTING & COLUMN
REINFORCING NOT SHOWN

◑ ROUGHEN SURFACE OF CONCRETE ¼" DEEP MINUMUM AT ALL AREAS OF NEW TO EXISTING CONCRETE CONTACT.



SECTION C

EXISTING FOOTING & COLUMN
REINFORCING NOT SHOWN



SECTION D

EXISTING FOOTING & COLUMN
REINFORCING NOT SHOWN

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-18-26

DRAWN BY MHM | PLANS CK'D. CWM

PIER 2 FOOTING STRENGTHENING

SHEET 5 OF 6

8

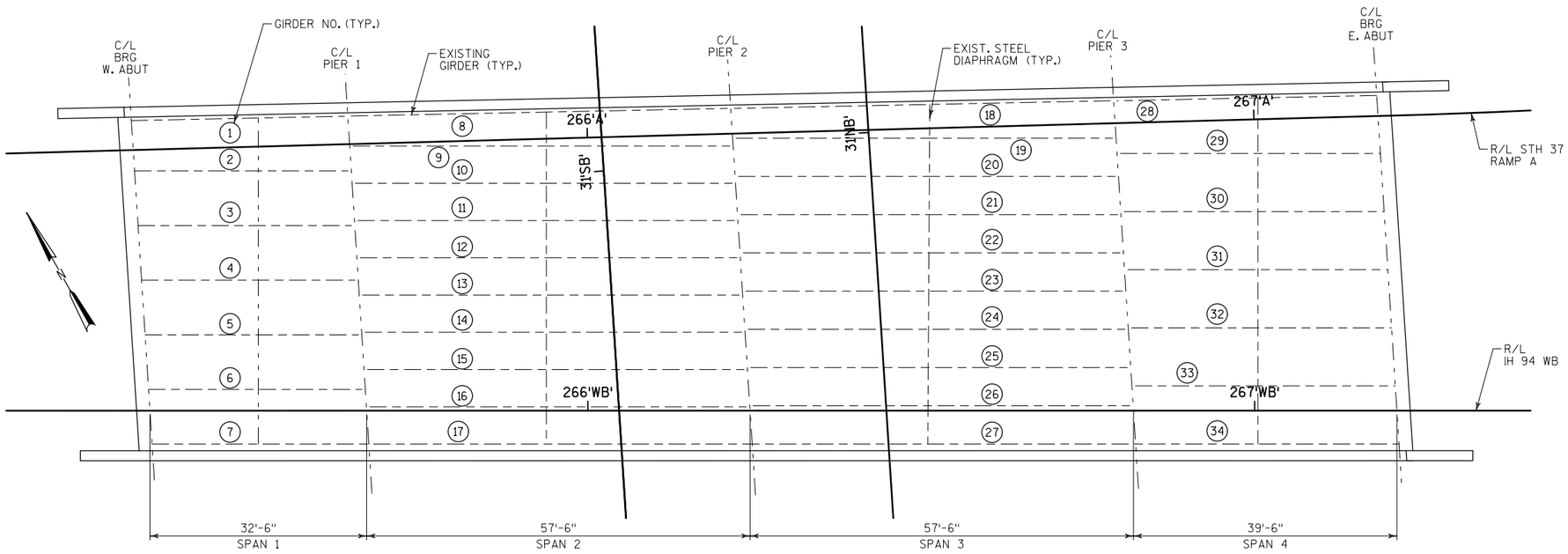
8

FILE NAME : B1826_080105.dgn PLOT DATE : 01-FEB-2013 PLOT BY : jwahl B1826_080105 PLOT SCALE : 8:1

726

BARS MAY BE PLACED AFTER CONCRETE HAS BEEN POURED BUT BEFORE INITIAL SET HAS TAKEN PLACE.

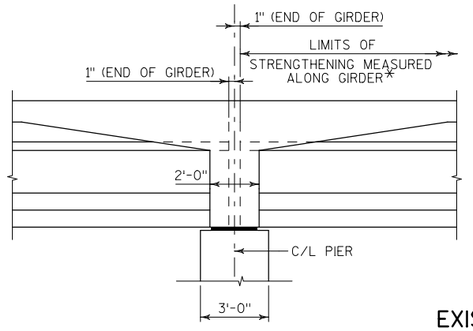
STATE PROJECT NUMBER
1022-08-73



FRAMING PLAN

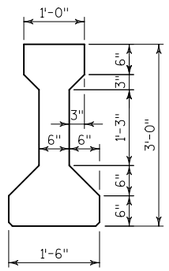
FRP SHEAR STRENGTHENING

SPAN	GIRDER NO.	* BEGIN (FT)	END (FT)	EXIST. FACTORED SHEAR CAPACITY (KIPS)	ADD. FACTORED SHEAR CAPACITY REQ'D (KIPS)
1	2	1.00	4.00	107.3	16.4
		12.00	14.00	53.9	2.7
		19.00	32.00	52.4	22.4
1	3-6	1.00	5.00	107.4	20.6
		12.00	14.00	53.9	3.9
		19.00	32.00	52.4	23.0
2	9	9.00	22.00	53.5	13.1
		35.00	49.00	53.3	17.6
2	10-16	8.00	23.00	53.5	18.6
		34.00	49.00	53.5	18.6
2	17	10.00	20.00	53.3	5.4
		38.00	47.00	53.3	5.4
3	19	9.00	22.00	53.5	14.1
		35.00	49.00	53.3	18.3
3	20-26	1.00	3.00	119.0	3.4
		8.00	23.00	53.6	20.7
		34.00	50.00	53.6	20.7
		55.00	56.00	119.0	3.4
3	27	10.00	20.00	53.3	5.7
		38.00	47.00	53.3	5.7
4	28	27.00	29.00	52.2	3.6
4	29	1.00	18.00	52.2	36.3
		24.00	39.83	52.2	37.2
4	30-33	1.00	18.00	52.2	39.9
		24.00	39.83	52.2	37.8
4	34	6.00	14.00	52.2	10.1
		26.00	29.00	52.2	11.4



DETAIL C

*LIMITS OF STRENGTHENING MEASURED FROM WESTERN-MOST GIRDER END FOR ALL SPANS.



EXISTING GIRDER SECTION

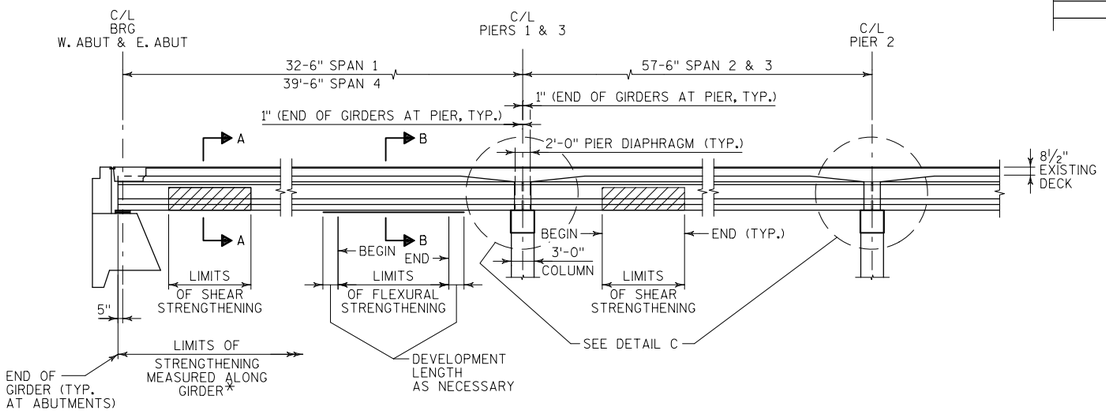
FRP FLEXURAL STRENGTHENING

SPAN	GIRDER NO.	BEGIN (FT)	END (FT)	EXIST. FACTORED MOMENT CAPACITY (FT-KIPS)	ADD. FACTORED MOMENT CAPACITY REQ'D (FT-KIPS)
1	2	29.00	32.00	200.2	23.2
1	3-6	28.00	32.00	200.2	24.2

NOTES: FRP = FIBER-REINFORCED POLYMER

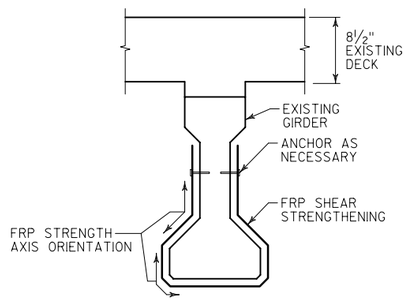
SEE GENERAL PLAN & ELEVATION SHEET FOR ASSUMED EXISTING STRUCTURE MATERIAL STRENGTHS.

FRP STRENGTHENING TO BE IN ACCORDANCE WITH THE "FIBER WRAP REINFORCING" SPECIAL PROVISION.

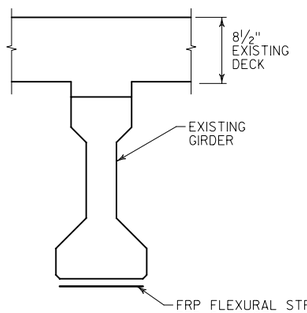


HALF LONGITUDINAL SECTION

*LIMITS OF STRENGTHENING MEASURED FROM WESTERN-MOST GIRDER END FOR ALL SPANS.



SECTION A



SECTION B

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-18-26

DRAWN BY MHM | PLANS CK'D. CWM

PRESTRESSED GIRDER STRENGTHENING

SHEET 6 OF 6

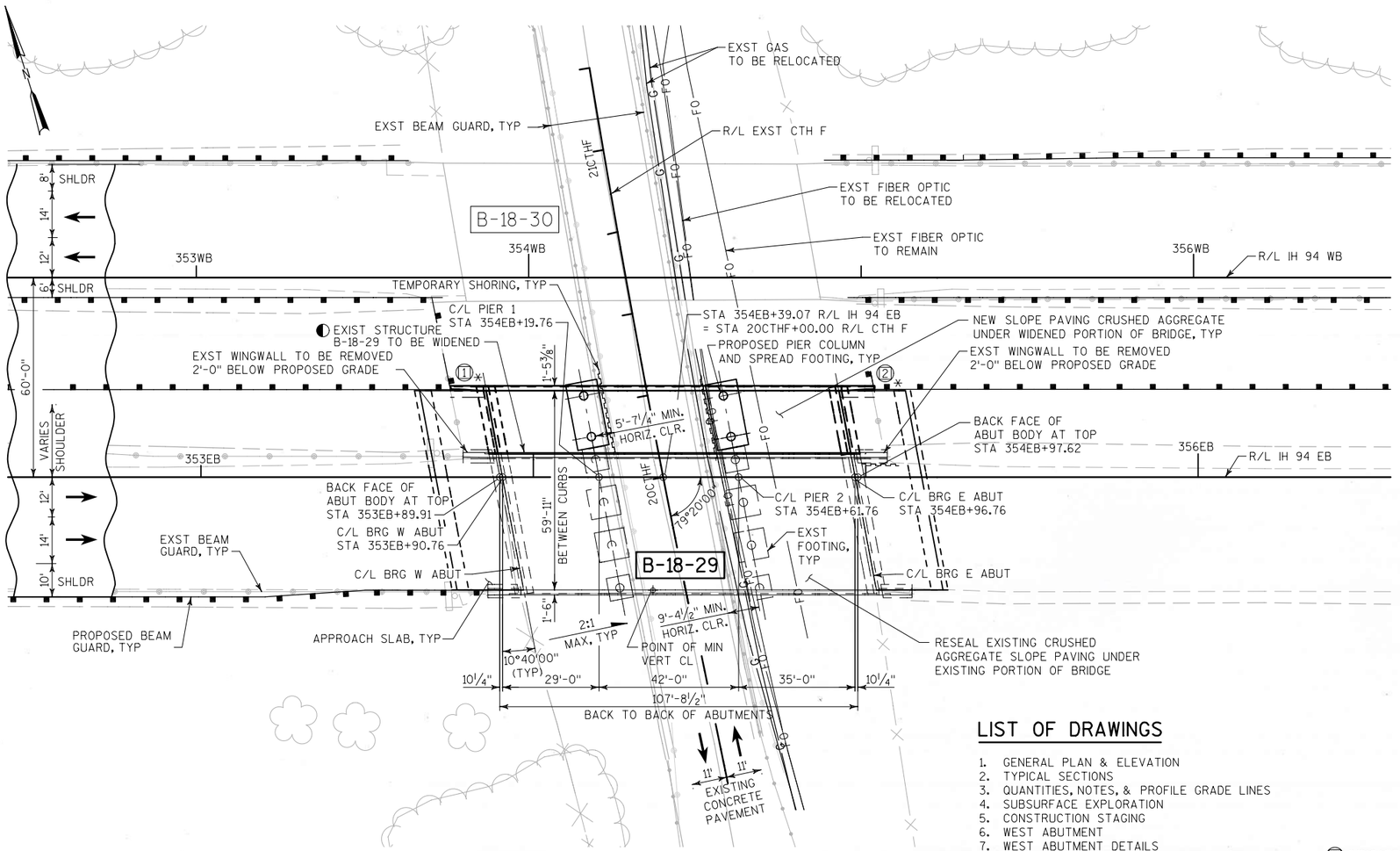
8

8

FILE NAME : B1826_080106.dgn PLOT DATE : 01-FEB-2013 PLOT BY : jwahl B1826_080106 PLOT SCALE : 20:1

STATE PROJECT NUMBER

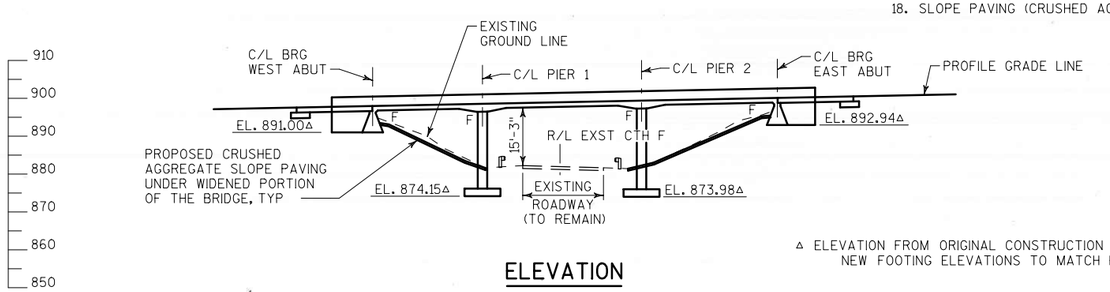
1022-08-73



PLAN

(3-SPAN CONCRETE SLAB)

* ANCHOR ASSEMBLY FOR STEEL PLATE BEAM GUARD



ELEVATION

(LOOKING NORTH THROUGH WIDENED PORTION)

△ ELEVATION FROM ORIGINAL CONSTRUCTION PLANS, NEW FOOTING ELEVATIONS TO MATCH EXISTING

LIST OF DRAWINGS

1. GENERAL PLAN & ELEVATION
2. TYPICAL SECTIONS
3. QUANTITIES, NOTES, & PROFILE GRADE LINES
4. SUBSURFACE EXPLORATION
5. CONSTRUCTION STAGING
6. WEST ABUTMENT
7. WEST ABUTMENT DETAILS
8. EAST ABUTMENT
9. EAST ABUTMENT DETAILS
10. PIERS 1& 2
11. SUPERSTRUCTURE
12. SUPERSTRUCTURE CROSS SECTION
13. SUPERSTRUCTURE DETAILS
14. CONCRETE OVERLAY
15. APPROACH SLAB PLAN
16. APPROACH SLAB DETAILS
17. SINGLE SLOPE PARAPET 42SS
18. SLOPE PAVING (CRUSHED AGGREGATE)

Ⓧ INDICATES WING NUMBER

◐ EXISTING STRUCTURE B-18-29 IS A 3-SPAN CONCRETE SLAB BRIDGE. PLANS OF THE EXISTING STRUCTURES ARE AVAILABLE FOR REVIEW AT WISDOT NW REGION OFFICE, 718 W. CLAIREMONT, EAU CLAIRE WI, OR THROUGH THE WISDOT STRUCTURES WEBSITE.

DESIGN DATA - WIDENING

STRUCTURE IS DESIGNED FOR A 1½" DECK OVERLAY AT COMPLETION OF WIDENING. NO ALLOWANCE HAS BEEN MADE FOR ADDITIONAL FUTURE WEARING SURFACE LOAD.

ULTIMATE DESIGN STRESSES:

CONCRETE MASONRY:
- SUPERSTRUCTURE ..... f'c = 4,000 psi
- SUBSTRUCTURE ..... f'c = 3,500 psi
- APPROACH SLAB ..... f'c = 4,000 psi

BAR STEEL REINFORCEMENT ..... fy = 60,000 psi

DESIGN DATA - EXISTING STRUCTURE

LIVE LOAD:

DESIGN LOADING: HS-20
INVENTORY RATING = HS-17
OPERATING RATING = HS-28
WISCONSIN STANDARD PERMIT VEHICLE (WIS-SPV): 124 KIPS

STRUCTURE IS DESIGNED FOR A 1½" DECK OVERLAY FOR THE EXISTING DECK. NO ALLOWANCE HAS BEEN MADE FOR ADDITIONAL FUTURE WEARING SURFACE LOAD.

ULTIMATE DESIGN STRESSES:

CONCRETE MASONRY:
- SUPERSTRUCTURE ..... f'c = 3,500 psi
- SUBSTRUCTURE ..... f'c = 3,500 psi

BAR STEEL REINFORCEMENT ..... fy = 40,000 psi

FOUNDATION DATA

WEST ABUTMENT, EAST ABUTMENT, AND PIERS TO BE SUPPORTED ON SPREAD FOOTINGS. THE REQUIRED NOMINAL BEARING RESISTANCE OF THE NATIVE SOIL AT THE BOTTOM OF FOOTING ELEVATIONS IS 9,800 PSF W. ABUT., 12,200 PSF PIER 1, 9,000 PSF PIER 2, 11,200 PSF E. ABUT. THE NOMINAL BEARING CAPACITY WILL BE VERIFIED BY THE ENGINEER PRIOR TO CONSTRUCTION OF THE FOOTINGS.

TRAFFIC DATA

IH 94	CTH F
A.D.T. = 32,100 (2013)	A.D.T. = 2,600 (2008)
A.D.T. = 41,000 (2033)	R.D.S. = N/A
R.D.S. = 70 MPH	

STRUCTURES DESIGN CONTACTS

BRIDGE OFFICE:
WILLIAM DREHER (608) 266-8489
CONSULTANT:
MARK MADAY (262) 548-5618

NO.	DATE	REVISION	BY

CH2MHILL
MILWAUKEE, WISCONSIN

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

ACCEPTED William C. Dreher KAR 02/07/13
CHIEF STRUCTURES DESIGN ENGINEER DATE

WISCONSIN MARK A. MADAY E-25925 MILWAUKEE, WI PROFESSIONAL ENGINEER

Feb. 1, 2013

STRUCTURE B-18-29

IH 94 EB OVER CTH F

COUNTY	TOWN/~~CITY/VILLAGE~~
EAU CLAIRE	WASHINGTON

DESIGN SPEC.
AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS

DESIGNED BY	DESIGN CK'D.	DRAWN BY	PLANS CK'D.
AJB	ACP	JLK	MAM

GENERAL PLAN & ELEVATION

SHEET 1 OF 18

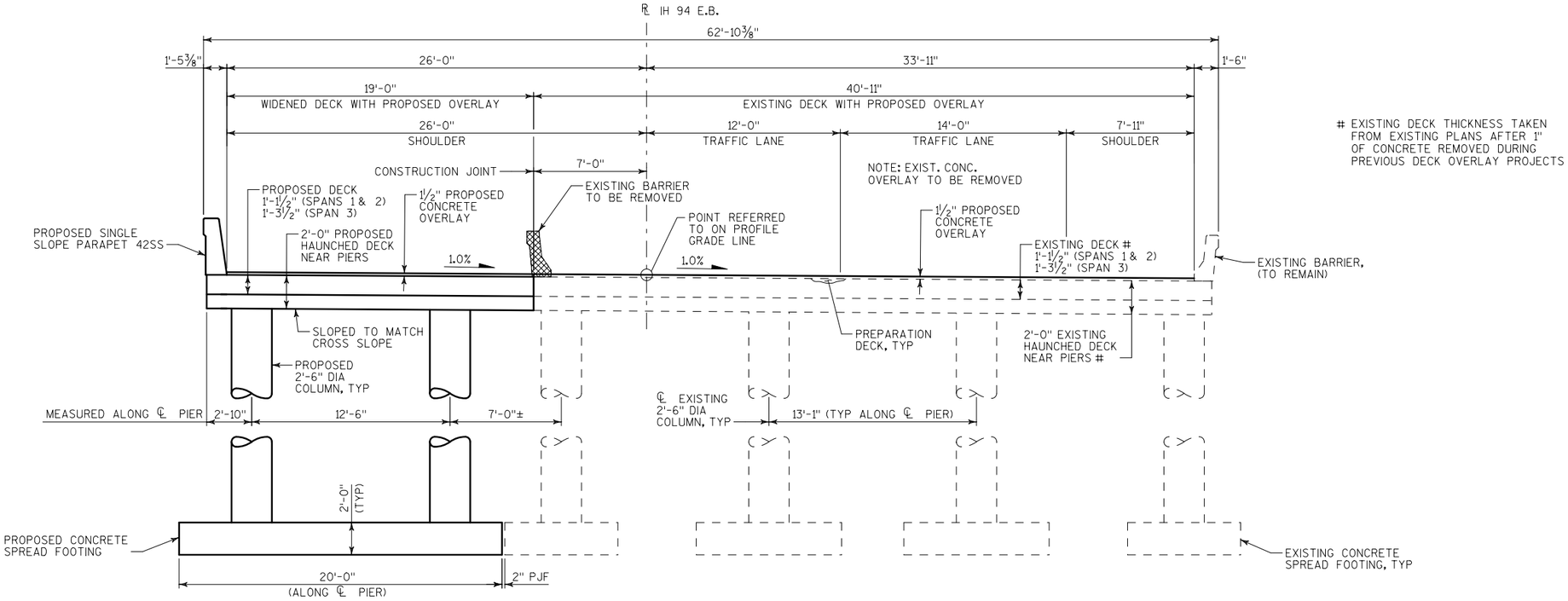
8

8

FILE NAME : B1829_080101_REV.dgn PLOT DATE : 01-FEB-2013 PLOT BY : jwahl B1829_080101_REV PLOT SCALE : 40:1

STATE PROJECT NUMBER

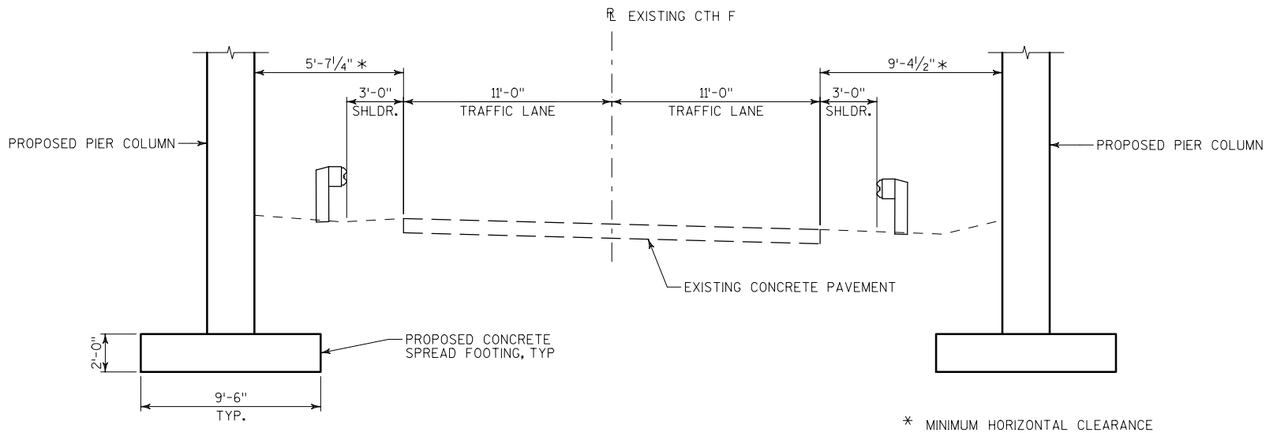
1022-08-73



EXISTING DECK THICKNESS TAKEN FROM EXISTING PLANS AFTER 1" OF CONCRETE REMOVED DURING PREVIOUS DECK OVERLAY PROJECTS

TYPICAL SECTION THRU IH 94 E.B.

(LOOKING EAST)



* MINIMUM HORIZONTAL CLEARANCE

CTH F TYPICAL SECTION UNDER IH 94 E.B. BRIDGE

(LOOKING NORTH UNDER PROPOSED WIDENED BRIDGE)

8

8

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-18-29

DRAWN BY JLK | PLANS CK'D. AJB

TYPICAL SECTIONS

SHEET 2 OF 18

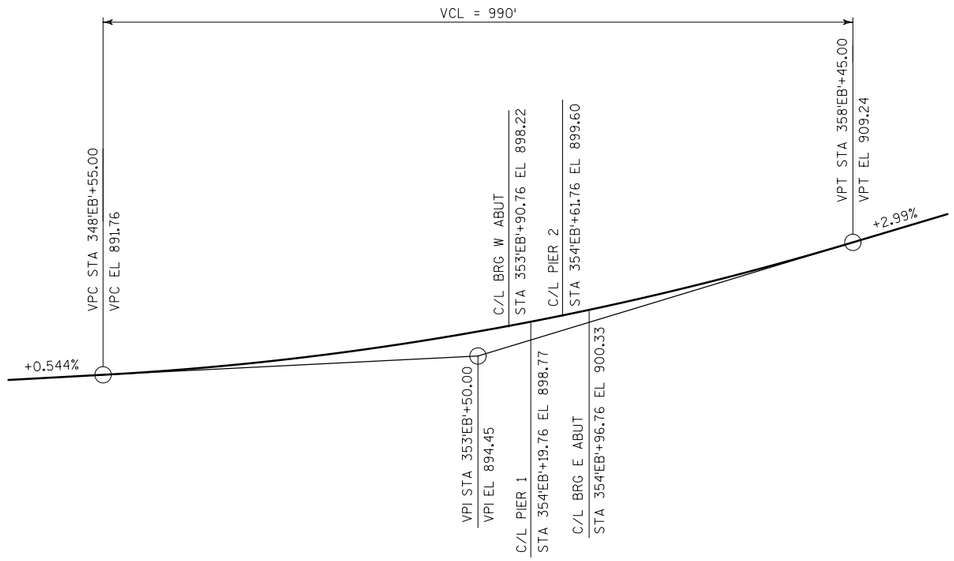
FILE NAME : B1829_080102_REV.dgn PLOT DATE : 01-FEB-2013 PLOT BY : jwahl B1829_080102_REV PLOT SCALE : 8:1

STATE PROJECT NUMBER
1022-08-73

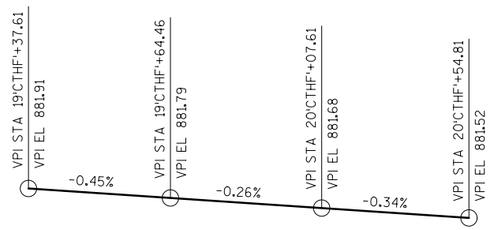
TOTAL ESTIMATED QUANTITIES

	ITEM NO.	BID ITEMS	UNIT	WEST APPROACH SLAB	WEST ABUTMENT	PIER 1	PIER 2	EAST ABUTMENT	EAST APPROACH SLAB	SUPER	TOTAL
	203.0200	REMOVING OLD STRUCTURE STATION 354+39.07	LS	---	---	---	---	---	---	---	1
	206.1000	EXCAVATION FOR STRUCTURES BRIDGES B-18-29	LS	---	---	---	---	---	---	---	1
	206.6000.S	TEMPORARY SHORING	SF	---	0	300	300	0	---	---	600
	210.0100	BACKFILL STRUCTURE	CY	---	54	0	0	52	---	---	106
	305.0125	BASE AGGREGATE DENSE 1 1/4-INCH	CY	39	---	---	---	---	39	---	78
	502.0100	CONCRETE MASONRY BRIDGES	CY	77 **	20	22	22	21	77 **	122	361
	502.3200	PROTECTIVE SURFACE TREATMENT	SY	---	11	---	---	11	---	814	836
	502.5002	MASONRY ANCHORS TYPE L NO. 4 BARS	EACH	---	12	---	---	12	---	8	32
	502.5005	MASONRY ANCHORS TYPE L NO. 5 BARS	EACH	---	---	---	---	---	---	123	123
	502.5025	MASONRY ANCHORS TYPE L NO. 9 BARS	EACH	43	---	---	---	---	43	---	86
	505.0405	BAR STEEL REINFORCEMENT HS BRIDGES	LB	---	---	1653	1653	---	---	---	3306
	505.0605	BAR STEEL REINFORCEMENT HS COATED BRIDGES	LB	13385	1369 **	2561	2658	1357 **	13385	38880	73595
	505.0905	BAR COUPLERS NO. 5	EACH	42	---	---	---	---	42	---	84
	505.0908	BAR COUPLERS NO. 8	EACH	12	---	---	---	---	12	---	24
*	509.0301	PREPARATION DECKS TYPE 1	SY	---	---	---	---	---	---	60	60
*	509.0302	PREPARATION DECKS TYPE 2	SY	---	---	---	---	---	---	24	24
*	509.1500	CONCRETE SURFACE REPAIR	SF	---	25	25	25	25	---	10	110
	509.2500	CONCRETE MASONRY OVERLAY DECKS	CY	---	---	---	---	---	---	45	45
	509.9005.S	REMOVING CONCRETE MASONRY DECK OVERLAY	SY	---	---	---	---	---	---	470	470
	516.0500	RUBBERIZED MEMBRANE WATERPROOFING	SY	---	5	---	---	5	---	---	10
	604.0500	SLOPE PAVING CRUSHED AGGREGATE	SY	---	85	---	---	110	---	---	195
	604.9015.S	RESEAL CRUSHED AGGREGATE SLOPE PAVING	SY	---	150	---	---	200	---	---	350
	612.0406	PIPE UNDERDRAIN WRAPPED 6-INCH	LF	85	---	---	---	---	85	---	170
	614.0150	ANCHOR ASSEMBLIES FOR STEEL PLATE BEAM GUARD	EACH	---	1	---	---	1	---	---	2
		NON BID ITEMS									
		PREFORMED JOINT FILLER	SIZE	---	---	---	---	---	---	---	1/2",3/4",1 1/2",2"

* UNDISTRIBUTED QUANTITY FOR REPAIRS AS DIRECTED BY THE ENGINEER, IF NECESSARY
** INCLUDES QUANTITY FOR PARAPETS ON WINGWALLS SHOWN ON SHEET 17



PROFILE GRADE LINE - IH 94 EB



PROFILE GRADE LINE - CTH F

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

CTH F SHALL BE CLOSED TO TRAFFIC DURING THE FIRST STAGE OF CONSTRUCTION, WHICH INCLUDES THE BRIDGE WIDENING. CTH F SHALL BE OPEN TO TRAFFIC DURING REMAINING CONSTRUCTION STAGES.

BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2" CLEAR UNLESS OTHERWISE NOTED. THE TOP LAYER OF BAR STEEL REINFORCEMENT IN THE DECK SHALL HAVE 1 1/2" OF CLEAR CONCRETE COVER TO THE TOP OF THE STRUCTURAL DECK.

BEVEL EXPOSED EDGES OF CONCRETE 3/4" UNLESS OTHERWISE NOTED.

ALL CONCRETE REMOVAL SHALL BE DEFINED BY A 1" DEEP SAW CUT.

PREPARATION DECKS AND CONCRETE SURFACE REPAIR SHALL BE DETERMINED BY ENGINEER IN THE FIELD.

ALL PREVIOUS PATCHES SHALL BE REMOVED UNDER THE BID ITEM "PREPARATION DECKS".

PROTECTIVE SURFACE TREATMENT IS TO BE APPLIED TO THE TOP OF THE DECK AND THE TOP AND ROADWAY FACES OF THE PARAPETS PER MANUFACTURER'S RECOMMENDATIONS.

ALL DIMENSIONS ARE IN FEET AND INCHES UNLESS OTHERWISE NOTED.

ALL STATIONS AND ELEVATIONS ARE IN FEET. ELEVATIONS ARE REFERENCED TO THE NGVD DATUM.

THE UTILITY INFORMATION SHOWN ON THESE DRAWINGS CONCERNING TYPE AND LOCATION OF UNDERGROUND UTILITIES IS NOT GUARANTEED TO BE ACCURATE OR ALL-INCLUSIVE. THE CONTRACTOR IS RESPONSIBLE FOR MAKING HIS OWN DETERMINATION AS TO TYPE AND LOCATION OF UNDERGROUND UTILITIES AS MAY BE NECESSARY TO AVOID DAMAGE.

AT ABUTMENTS ALL SPACES EXCAVATED AND NOT OCCUPIED BY THE NEW STRUCTURE SHALL BE BACKFILLED WITH "BACKFILL STRUCTURE".

THE EXISTING GROUNDLINE SHALL BE THE UPPER LIMITS OF "EXCAVATION FOR STRUCTURES".

THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFY THE BAR SIZE.

THE EXISTING BRIDGE B-18-29 IS A THREE SPAN CONCRETE SLAB STRUCTURE WITH A DECK OVERLAY. THE NORTH BRIDGE BARRIER AND PORTIONS OF THE EXISTING DECK, ABUTMENTS, AND WINGWALLS SHALL BE REMOVED AS SHOWN TO ACCOMMODATE THE BRIDGE WIDENING. THE APPROACH SLABS AT EACH END OF THE BRIDGE SHALL ALSO BE REPLACED.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-18-29

DRAWN BY	JLK	PLANS CK'D.	AJB

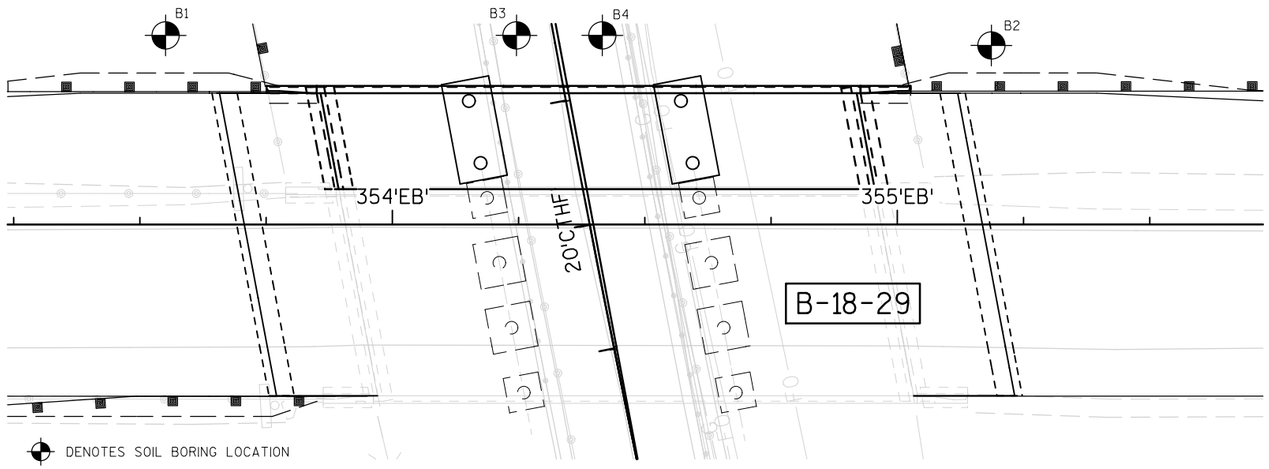
QUANTITES, NOTES, & PROFILE GRADE LINES

SHEET 3 OF 18

8

8

FILE NAME : B1829_080103_REV.dgn PLOT DATE : 01-FEB-2013 PLOT BY : jwahl B1829_080103_REV PLOT SCALE : 8:1



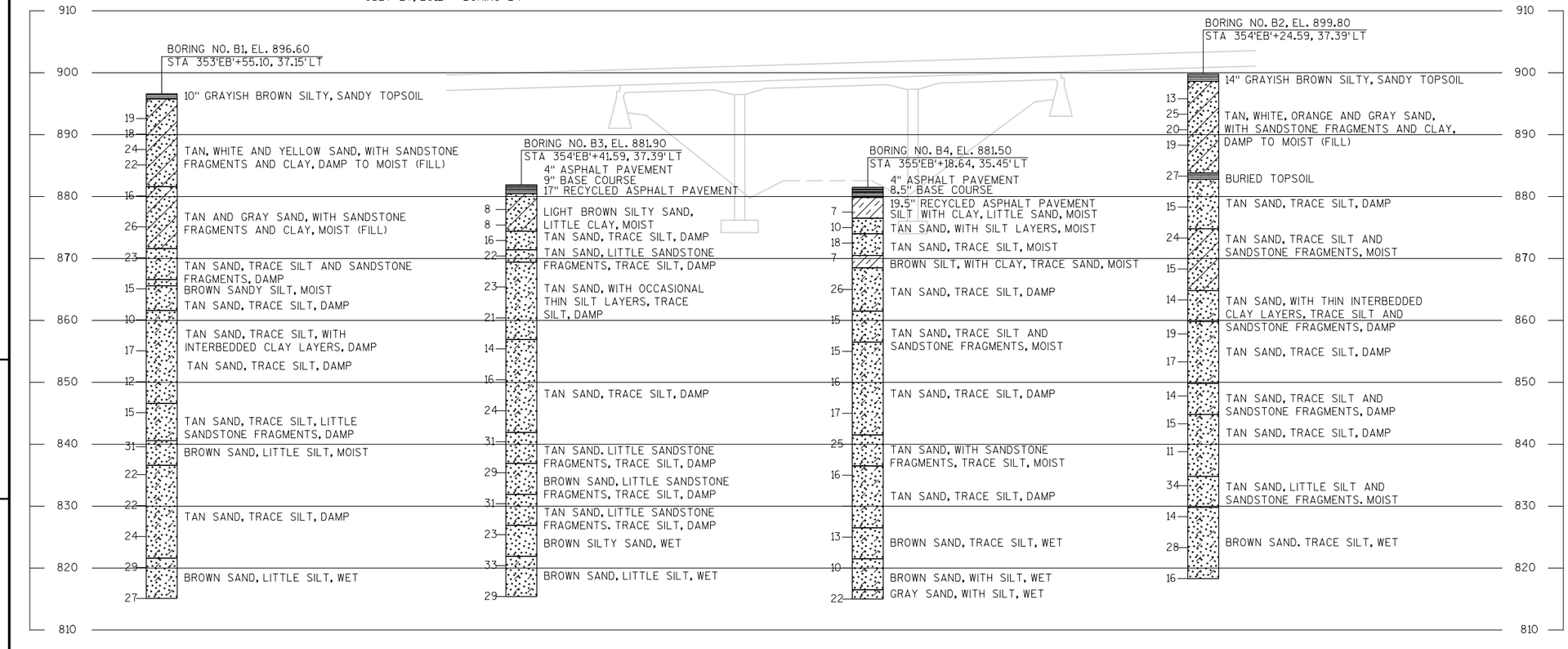
NOTES

THE SUBSURFACE INFORMATION PRESENTED HEREIN IS AN ABBREVIATED VERSION OF THE INFORMATION PRESENTED IN THE GEOTECHNICAL ENGINEERING REPORT. REVIEW THE APPROPRIATE GEOTECHNICAL REPORT AND SOIL BORING LOGS FOR ADDITIONAL SUBSURFACE INFORMATION.

DENOTES SOIL BORING LOCATION

SOIL BORINGS COMPLETED BY:
MIDWEST ENGINEERING SERVICES, INC.

SOIL BORINGS TAKEN:
JULY 26, 2012 - BORING B1
JULY 26, 2012 - BORING B2
JULY 27, 2012 - BORING B3
JULY 27, 2012 - BORING B4



STATE PROJECT NUMBER

1022-08-73

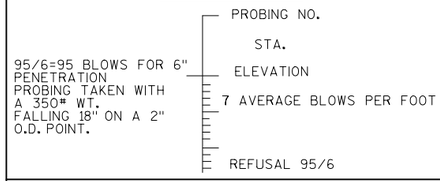
ABBREVIATIONS

F — FINE M — MEDIUM C — COARSE
WS — WEATHERED SO — SOUND

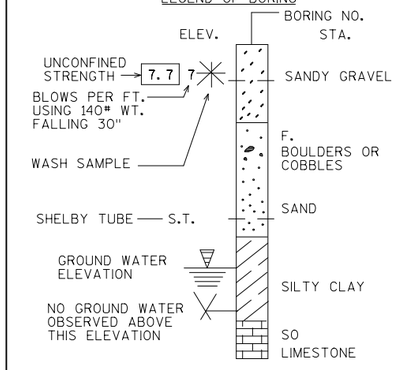
MATERIAL SYMBOLS

TOPSOIL, SILT, SANDSTONE
SAND, PEAT, LIMESTONE
GRAVEL, CLAY, IGNEOUS ROCK

LEGEND OF PROBING



LEGEND OF BORING



UNLESS OTHERWISE SPECIFIED, THE BLOWS PER FOOT AT THE LOCATIONS INDICATED ARE BASED ON DRIVING A 2" O.D. X 1.4" I.D. SPLIT SPOON SAMPLER WITH A 140# HAMMER HAVING A FREE FALL OF 30". THE BLOW COUNT IS TAKEN IN UNDISTURBED SOIL IMMEDIATELY BELOW A CASED OR OPEN HOLE ELIMINATING SIDE FRICTION ON THE DRIVE PIPE.

SUBSURFACE EXPLORATION FOR FOUNDATION DESIGN AND BIDDERS INFORMATION

TO OBTAIN RELATIVE DATA CONCERNING THE CHARACTER OF MATERIAL IN AND UPON WHICH THE FOUNDATION MIGHT BE BUILT, BORINGS AND/OR SOUNDINGS WERE MADE AT POINTS APPROXIMATELY AS INDICATED ON THIS DRAWING. THE DATA PRESENTED HEREIN REPRESENTS THE FINDINGS OF THE SUBSURFACE EXPLORATIONS MADE. HOWEVER, BECAUSE THE DEPTHS INVESTIGATED ARE LIMITED AND THE AREA OF THE BORINGS AND/OR SOUNDINGS IS VERY SMALL IN RELATION TO THE ENTIRE AREA, THE WISCONSIN DEPARTMENT OF TRANSPORTATION DOES NOT WARRANT CONDITIONS BELOW THE DEPTHS INVESTIGATED OR THAT THE CLASSIFICATION OF MATERIAL ENCOUNTERED IN THESE INVESTIGATIONS IS NECESSARILY TYPICAL OF THE ENTIRE SITE.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-18-29

DRAWN BY GLM | PLANS CK'D. MAD

SUBSURFACE EXPLORATION

SHEET 4 OF 18

731

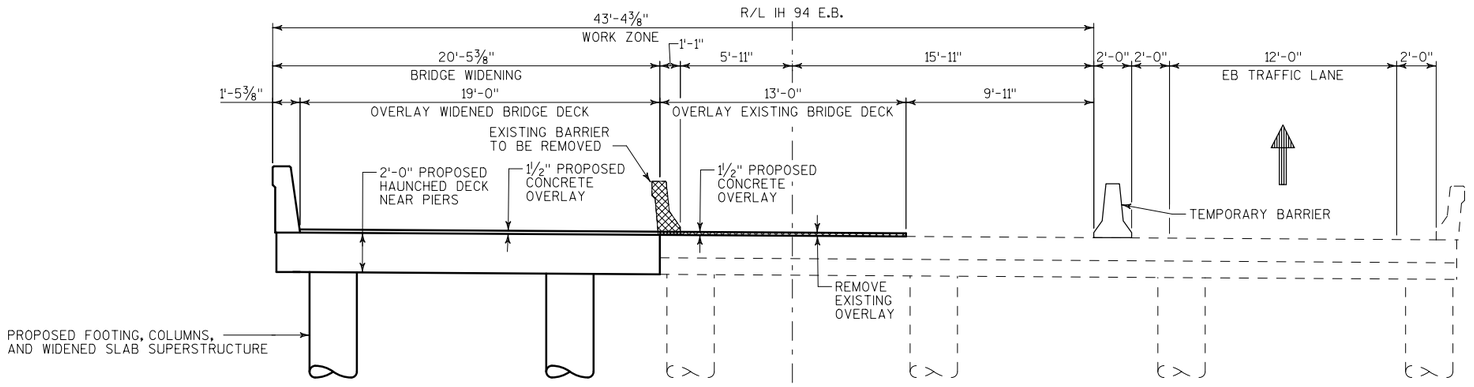
8

8

FILE NAME : B1829_080104.dgn PLOT DATE : 01-FEB-2013 PLOT BY : jwahl B1829_080104 PLOT SCALE : 30:1

STATE PROJECT NUMBER

1022-08-73

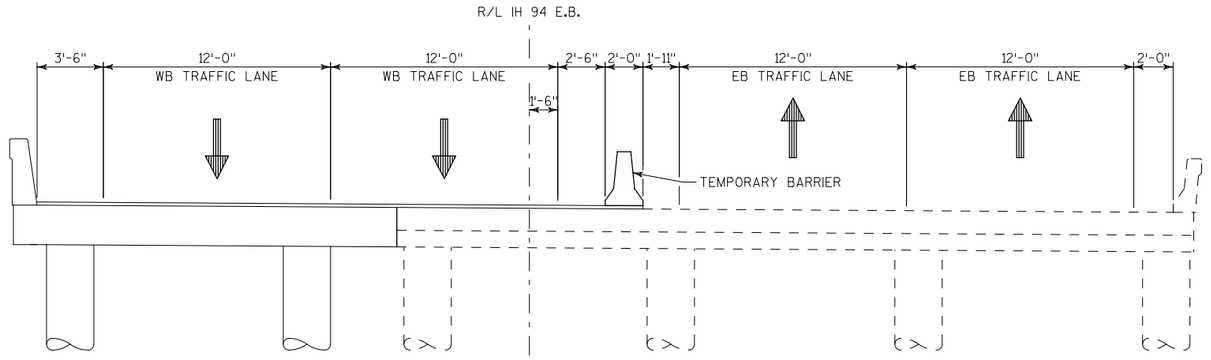


STAGE A

(LOOKING EAST)

MAJOR WORK ELEMENTS

1. PLACE TEMPORARY BARRIER AND SHIFT TRAFFIC.
2. PARTIAL REMOVALS OF EXISTING BRIDGE.
3. CONSTRUCT WIDENING OF BRIDGE.
4. PLACE OVERLAY ON WIDENED PORTION AND PORTION OF EXISTING SUPERSTRUCTURE.

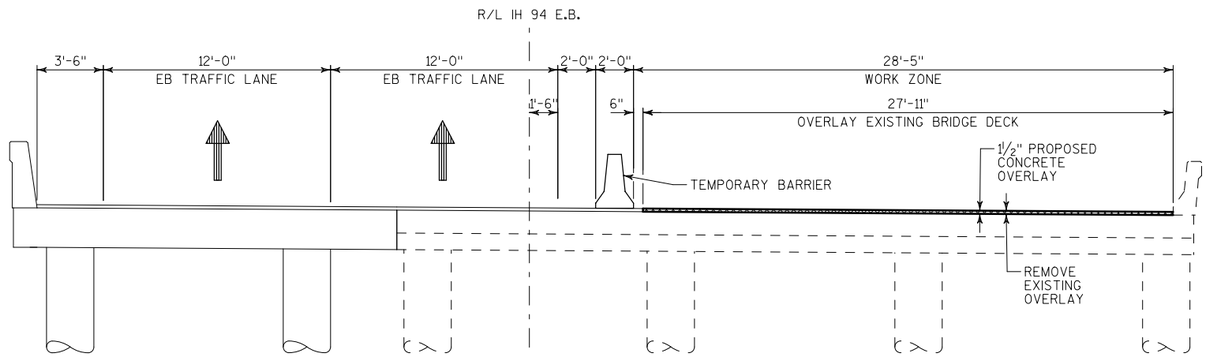


STAGE B

(LOOKING EAST)

MAJOR WORK ELEMENTS

1. RELOCATE TEMPORARY BARRIER.
2. SHIFT TRAFFIC TO ACCOMMODATE 2 LANES OF TRAFFIC IN BOTH DIRECTIONS.



STAGE C

(LOOKING EAST)

MAJOR WORK ELEMENTS

1. RELOCATE TEMPORARY BARRIER AND SHIFT TRAFFIC.
2. PLACE OVERLAY ON REMAINING PORTION OF EXISTING SUPERSTRUCTURE.
3. REMOVE TEMPORARY BARRIER.

NOTES:

1. SEE PROJECT NO. 1022-08-73 CONSTRUCTION STAGING PLAN SHEETS FOR ADDITIONAL DETAILS.
2. FOR FINAL TRAFFIC LANE CONFIGURATION, SEE "TYPICAL SECTION THRU IH 94 E.B." ON SHEET 2.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-18-29

DRAWN BY MHM | PLANS CK'D. AJB

CONSTRUCTION STAGING

SHEET 5 OF 18

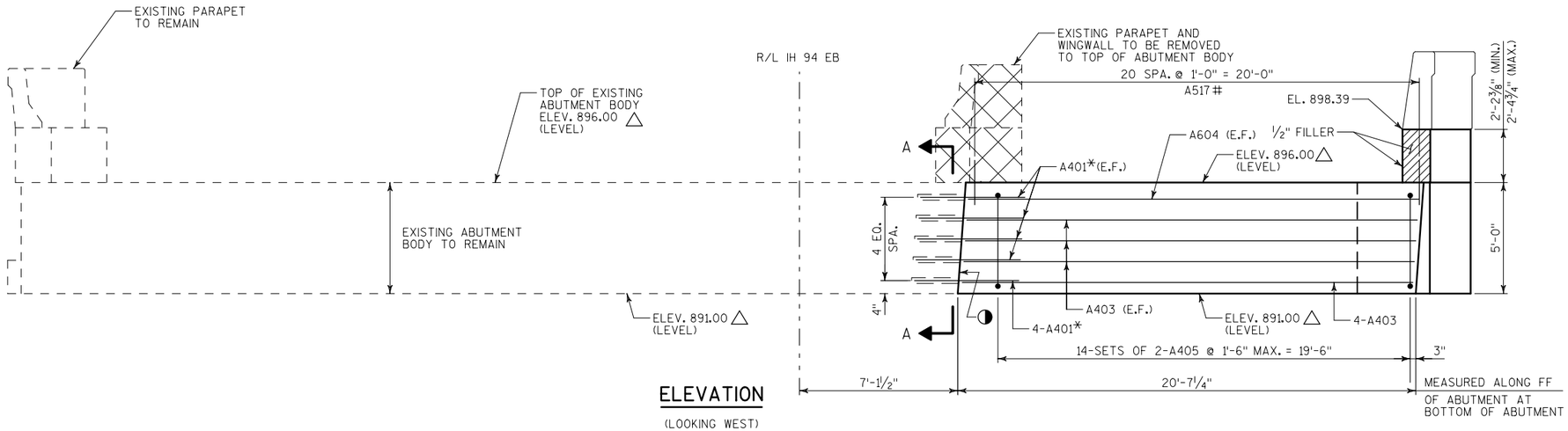
8

8

FILE NAME : B1829_080105_REV.dgn PLOT DATE : 01-FEB-2013 PLOT BY : jwahl B1829_080105_REV PLOT SCALE : 8:1

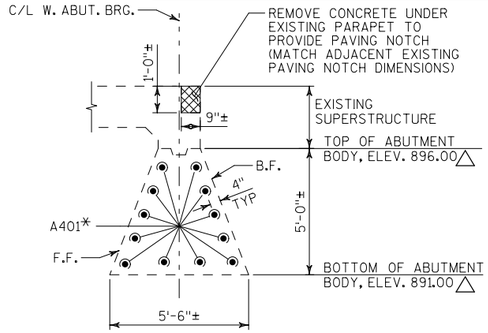
STATE PROJECT NUMBER

1022-08-73

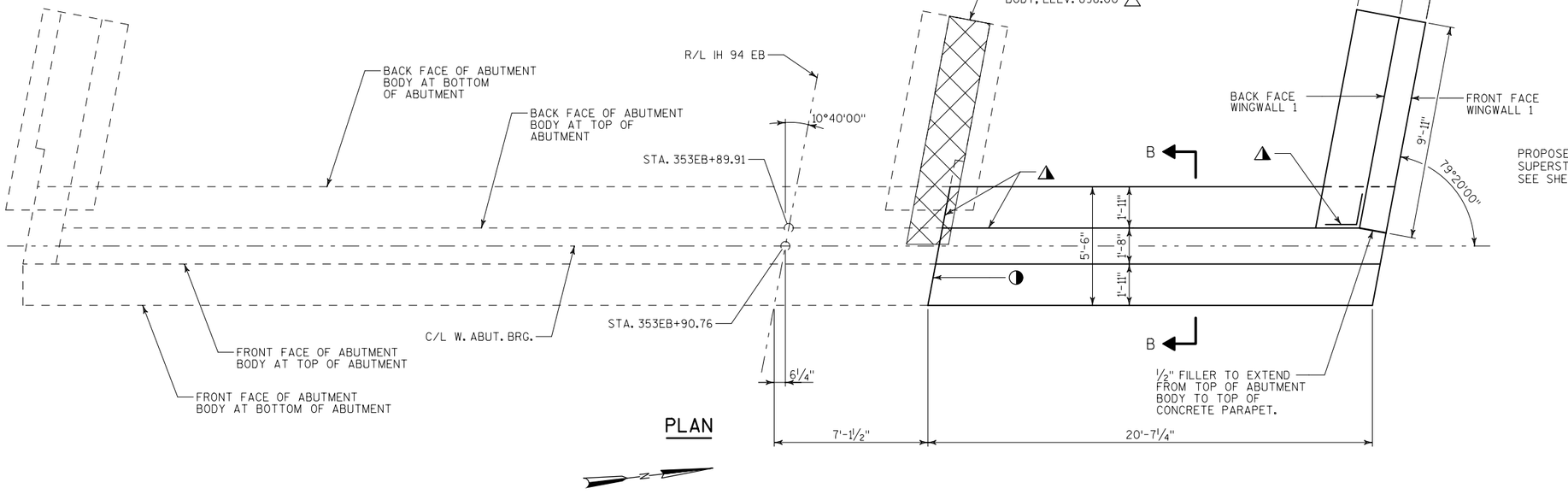


ELEVATION

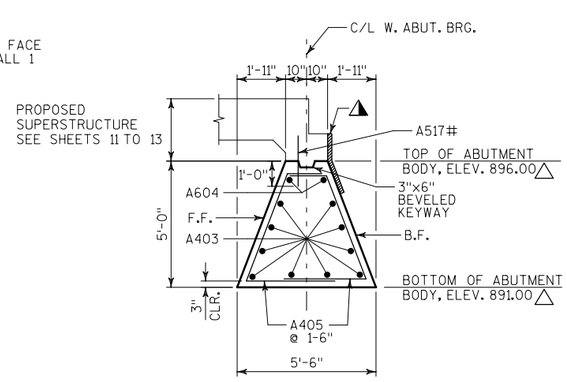
(LOOKING WEST)



SECTION A-A



PLAN



SECTION B-B

LEGEND

- ◭ 18" RUBBERIZED MEMBRANE WATERPROOFING. SEAL ALL HORIZONTAL AND VERTICAL JOINTS ON BACKFACE OF ABUTMENT.
- △ ELEVATION FROM ORIGINAL CONSTRUCTION PLANS. NEW ELEVATION SHALL MATCH EXISTING AS CONSTRUCTED.
- ◑ ROUGHEN SURFACE OF CONCRETE 1/4" DEEP MINIMUM AT ALL AREAS OF NEW TO EXISTING CONCRETE CONTACT.

NOTES:

* CONCRETE MASONRY ANCHOR, TYPE L NO. 4 BARS MIN. PULLOUT CAPACITY OF 7 KIPS, EMBED 8" (LAP WITH A403)

BAR MAY BE PLACED AFTER CONCRETE HAS BEEN POURED BUT BEFORE INITIAL SET HAS TAKEN PLACE.

E.F. DENOTES EACH FACE
B.F. DENOTES BACK FACE
F.F. DENOTES FRONT FACE

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-18-29

DRAWN BY MHM | PLANS CK'D. AJB

WEST ABUTMENT

SHEET 6 OF 18

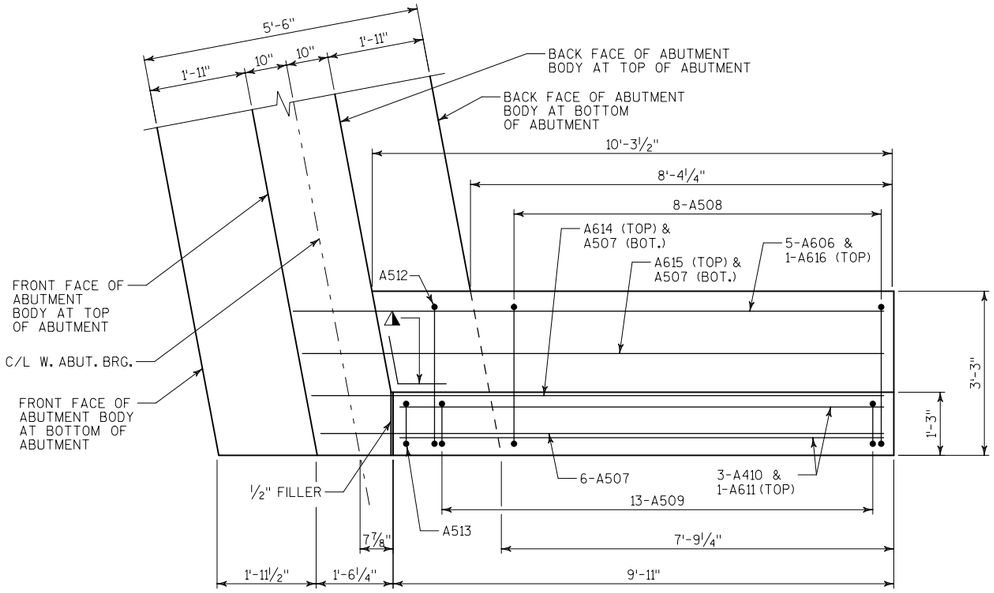
8

8

FILE NAME : B1829_080106_REV.dgn PLOT DATE : 01-FEB-2013 PLOT BY : jwahl B1829_080106_REV PLOT SCALE : 6:1

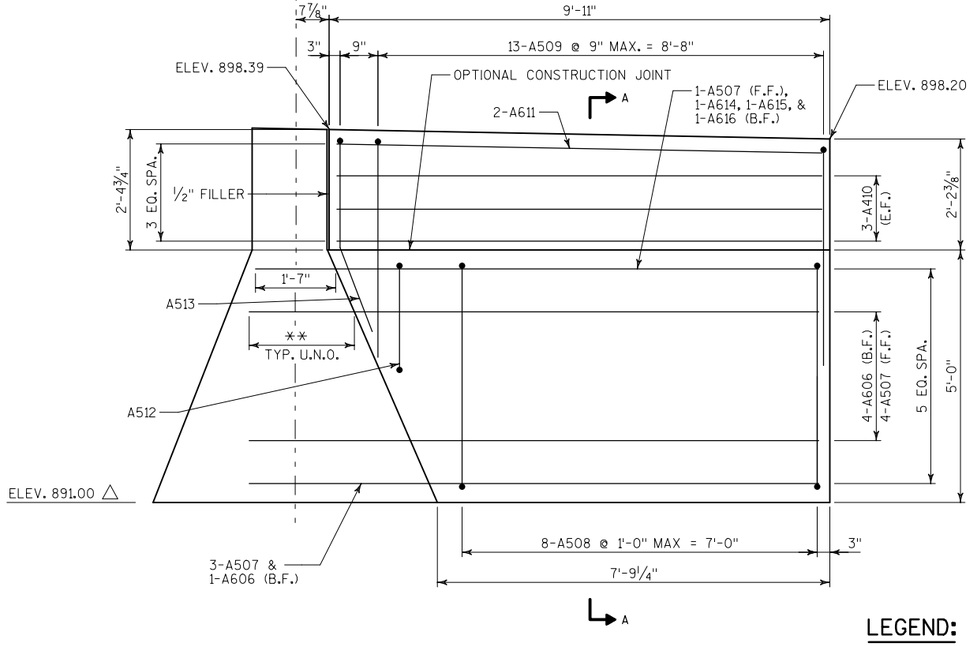
STATE PROJECT NUMBER

1022-08-73



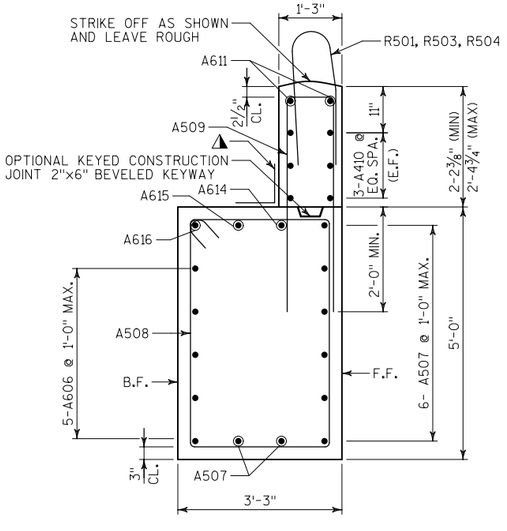
WING 1 PLAN

(ABUTMENT BODY REINFORCEMENT NOT SHOWN)

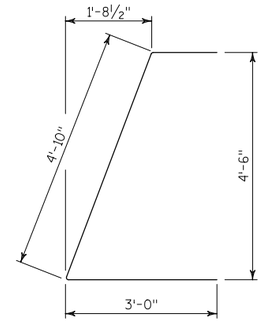


WING 1 ELEVATION

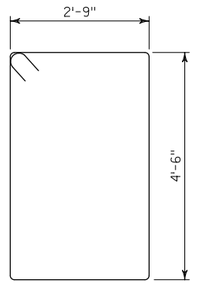
(ABUTMENT BODY REINFORCEMENT NOT SHOWN)



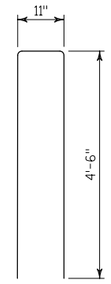
WING 1 SECTION A-A



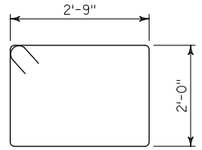
A405



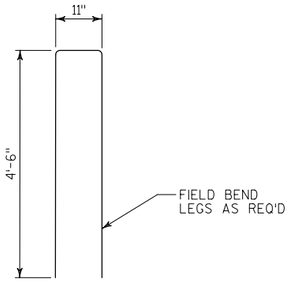
A508



A509



A512



A513

BILL OF BARS

NOTE:
BAR DIMENSIONS ARE OUT TO OUT OF BAR.
THE FIRST OR FIRST TWO DIGITS
OF A BAR MARK SIGNIFIES THE BAR SIZE

	BAR MARK	COAT	NO REQ'D	LENGTH	BENT	BAR SERIES	LOCATION
*	A401	X	12	3'-7"			BODY HORIZONTAL DOWEL
	A602						
	A403	X	10	20'-0"			BODY HORIZONTAL
	A604	X	2	20'-0"			BODY HORIZONTAL
	A405	X	28	9'-0"	X		BODY STIRRUP
	A606	X	5	11'-7"			WINGWALL BODY HORIZONTAL
	A507	X	8	11'-2"			WINGWALL BODY HORIZONTAL
	A508	X	8	15'-1"	X		WINGWALL BODY STIRRUP
	A509	X	13	9'-8"	X		WINGWALL STIRRUP
	A410	X	6	9'-7"			WINGWALL HORIZONTAL
	A611	X	2	9'-7"			WINGWALL HORIZONTAL
	A512	X	1	10'-1"	X		WINGWALL STIRRUP
	A513	X	1	9'-8"	X		WINGWALL STIRRUP
	A614	X	1	11'-3"			WINGWALL BODY HORIZONTAL TOP
	A615	X	1	11'-6"			WINGWALL BODY HORIZONTAL TOP
	A616	X	1	11'-8"			WINGWALL BODY HORIZONTAL TOP
	A517	X	21	2'-0"			BODY VERTICAL DOWEL

NOTE: FOR R501, R503, & R504 BARS, SEE SHEET 17.

LEGEND:

△ 18" RUBBERIZED MEMBRANE WATERPROOFING. SEAL ALL HORIZONTAL AND VERTICAL JOINTS ON BACKFACE OF ABUTMENT.

△ ELEVATION FROM ORIGINAL CONSTRUCTION PLANS. NEW ELEVATION SHALL MATCH EXISTING AS CONSTRUCTED.

NOTES:

* CONCRETE MASONRY ANCHOR, TYPE L

** MINIMUM EMBEDMENT
NO. 5 = 1'-9"
NO. 6 = 2'-1"

E.F. DENOTES EACH FACE
B.F. DENOTES BACK FACE
F.F. DENOTES FRONT FACE
U.N.O. DENOTES UNLESS NOTED OTHERWISE

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-18-29

DRAWN BY MHM | PLANS CK'D. AJB

WEST ABUTMENT DETAILS

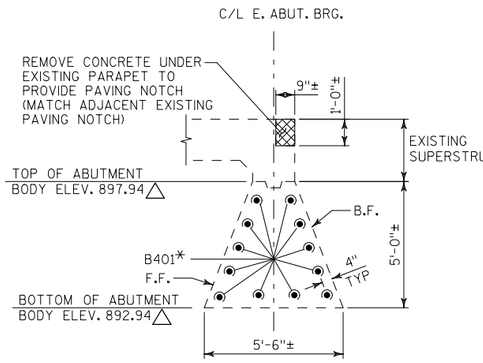
SHEET 7 OF 18

8

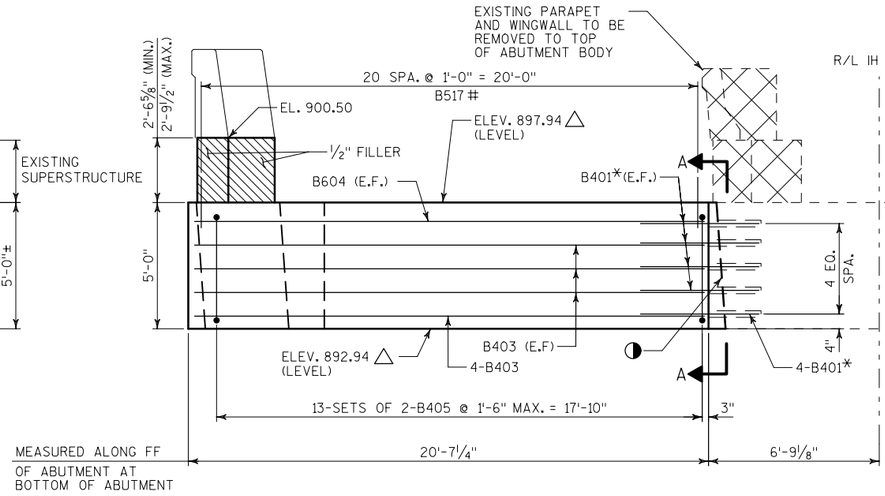
8

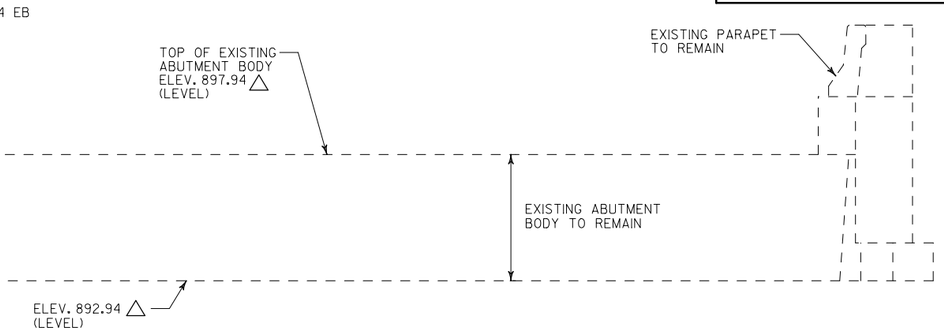
FILE NAME : B1829_080107_REV.dgn PLOT DATE : 01-FEB-2013 PLOT BY : jwahl B1829_080107_REV PLOT SCALE : 3:1

STATE PROJECT NUMBER
1022-08-73



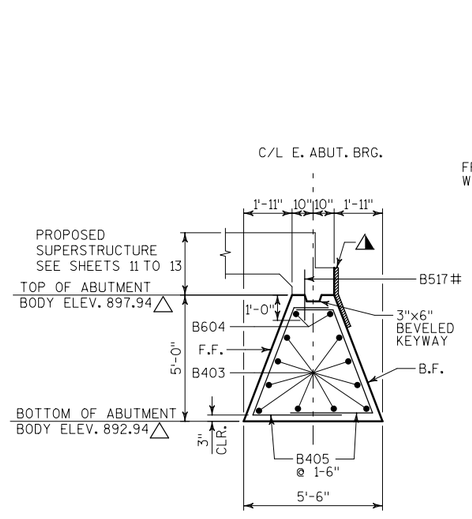
SECTION A-A



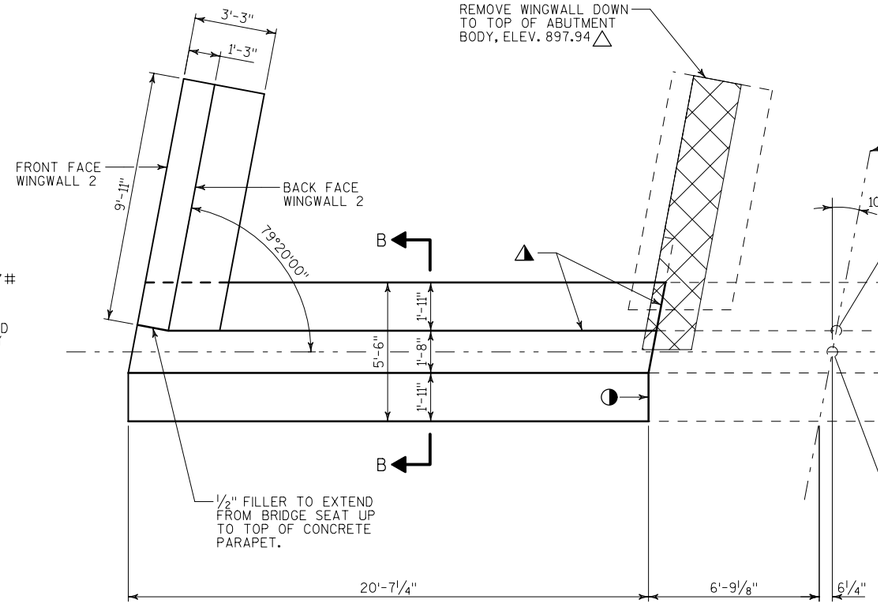


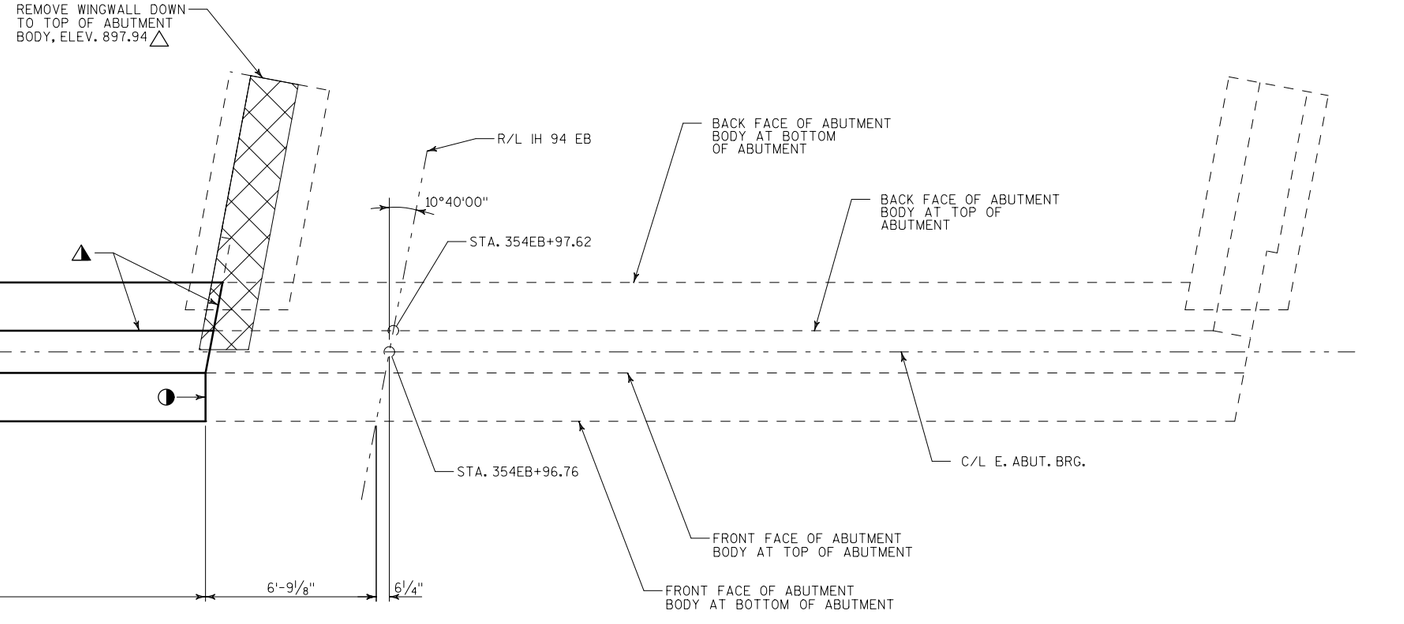
ELEVATION

(LOOKING EAST)



SECTION B-B





PLAN

LEGEND

- ◭ 18" RUBBERIZED MEMBRANE WATERPROOFING. SEAL ALL HORIZONTAL AND VERTICAL JOINTS ON BACKFACE OF ABUTMENT BODY
- △ ELEVATION FROM ORIGINAL CONSTRUCTION PLANS. NEW ELEVATION SHALL MATCH EXISTING AS CONSTRUCTED.
- ◑ ROUGHEN SURFACE OF CONCRETE ¼" DEEP MINIMUM AT ALL AREAS OF NEW TO EXISTING CONCRETE CONTACT.

NOTES:

* CONCRETE MASONRY ANCHOR, TYPE L NO. 4 BARS MIN. PULLOUT CAPACITY OF 7 KIPS, EMBED 8" (LAP WITH B403)

BAR MAY BE PLACED AFTER CONCRETE HAS BEEN POURED BUT BEFORE INITIAL SET HAS TAKEN PLACE.

E.F. DENOTES EACH FACE
B.F. DENOTES BACK FACE
F.F. DENOTES FRONT FACE

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-18-29

DRAWN BY	MHM	PLANS CK'D.	AJB

EAST ABUTMENT

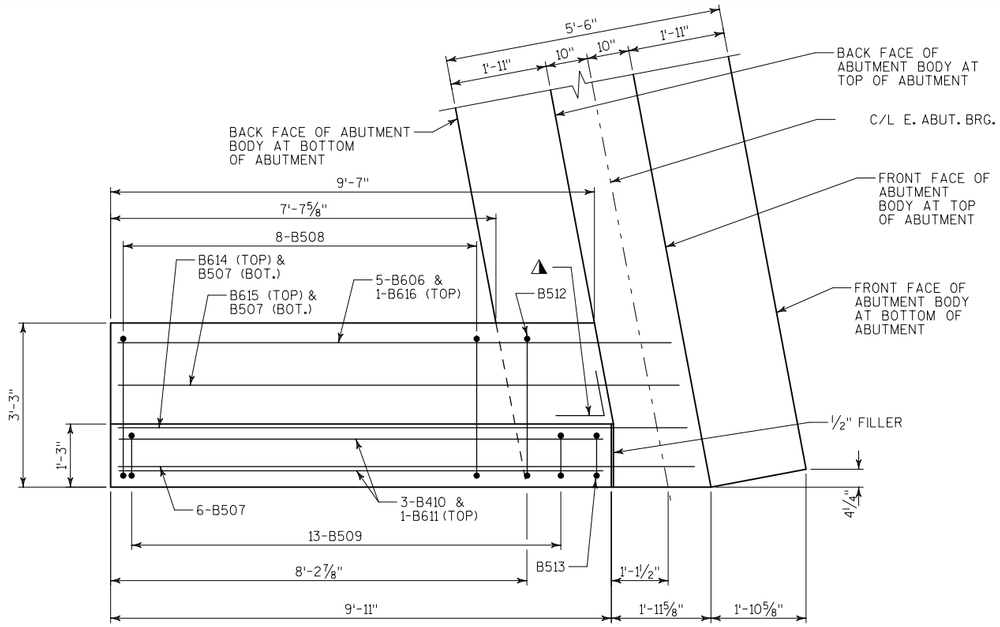
SHEET 8 OF 18

8

8

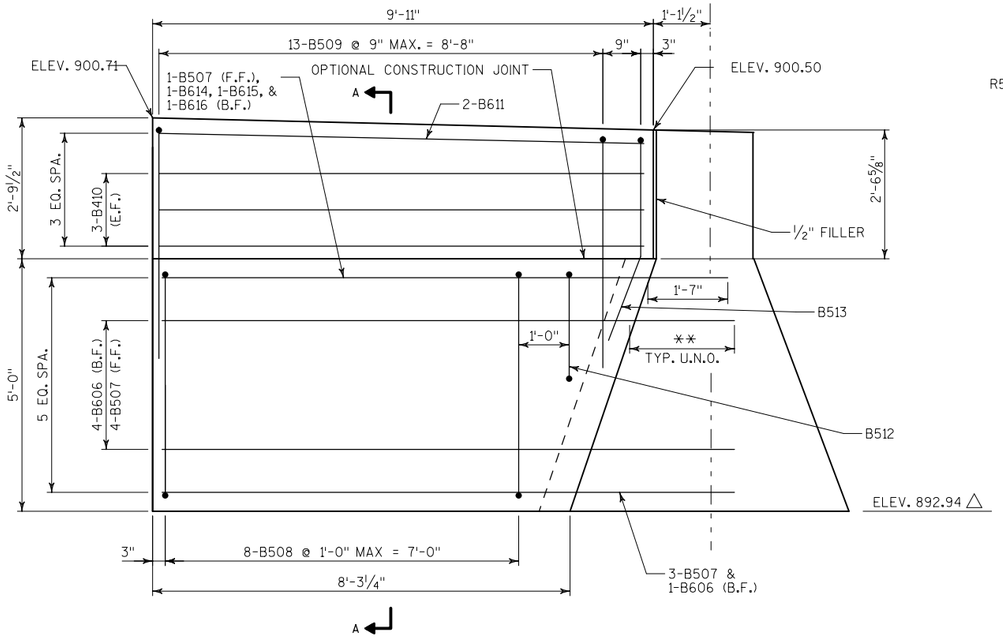
STATE PROJECT NUMBER

1022-08-73



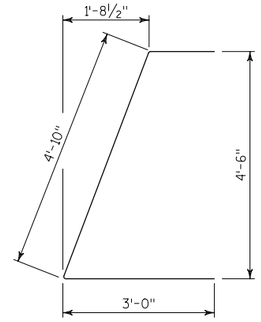
WING 2 PLAN

(ABUTMENT BODY REINFORCEMENT NOT SHOWN)

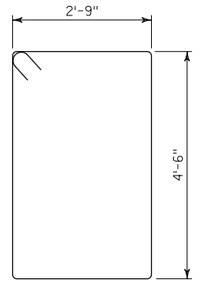


WING 2 ELEVATION

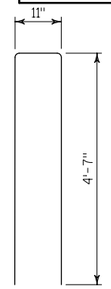
(ABUTMENT BODY REINFORCEMENT NOT SHOWN)



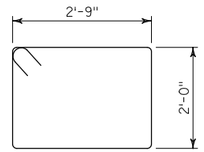
B405



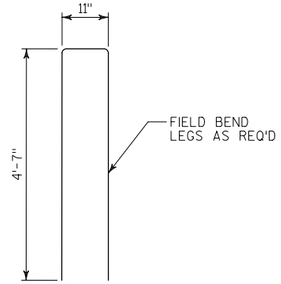
B508



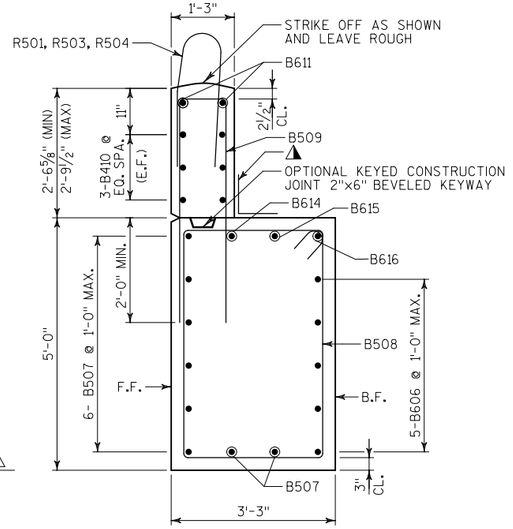
B509



B512



B513



WING 2 SECTION A-A

BILL OF BARS

NOTE:
BAR DIMENSIONS ARE OUT TO OUT OF BAR.
THE FIRST OR FIRST TWO DIGITS
OF A BAR MARK SIGNIFIES THE BAR SIZE

	BAR MARK	COAT	NO REQ'D	LENGTH	BENT	BAR SERIES	LOCATION
*	B401	X	12	3'-7"			BODY HORIZONTAL DOWEL
	B602						
	B403	X	10	20'-0"			BODY HORIZONTAL
	B604	X	2	20'-0"			BODY HORIZONTAL
	B405	X	26	9'-0"	X		BODY STIRRUP
	B606	X	5	11'-5"			WINGWALL BODY HORIZONTAL
	B507	X	8	11'-4"			WINGWALL BODY HORIZONTAL
	B508	X	8	15'-1"	X		WINGWALL BODY STIRRUP
	B509	X	13	9'-10"	X		WINGWALL STIRRUP
	B410	X	6	9'-7"			WINGWALL HORIZONTAL
	B611	X	2	9'-7"			WINGWALL HORIZONTAL
	B512	X	1	10'-1"	X		WINGWALL STIRRUP
	B513	X	1	9'-10"	X		WINGWALL STIRRUP
	B614	X	1	11'-3"			WINGWALL BODY HORIZONTAL TOP
	B615	X	1	11'-1"			WINGWALL BODY HORIZONTAL TOP
	B616	X	1	10'-11"			WINGWALL BODY HORIZONTAL TOP
	B517	X	21	2'-0"			BODY VERTICAL DOWEL

NOTE: FOR R501, R503, & R504 BARS, SEE SHEET 17.

LEGEND:

▲ 18" RUBBERIZED MEMBRANE WATERPROOFING. SEAL ALL HORIZONTAL AND VERTICAL JOINTS ON BACKFACE OF ABUTMENT.

△ ELEVATION FROM ORIGINAL CONSTRUCTION PLANS. NEW ELEVATION SHALL MATCH EXISTING AS CONSTRUCTED.

NOTES:

* CONCRETE MASONRY ANCHOR, TYPE L

** MINIMUM EMBEDMENT
NO. 5 = 1'-9"
NO. 6 = 2'-1"

E.F. DENOTES EACH FACE
B.F. DENOTES BACK FACE
F.F. DENOTES FRONT FACE
U.N.O. DENOTES UNLESS NOTED OTHERWISE

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-18-29

DRAWN BY MHM | PLANS CK'D. AJB

EAST ABUTMENT DETAILS

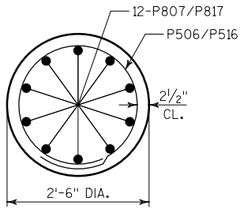
SHEET 9 OF 18

8

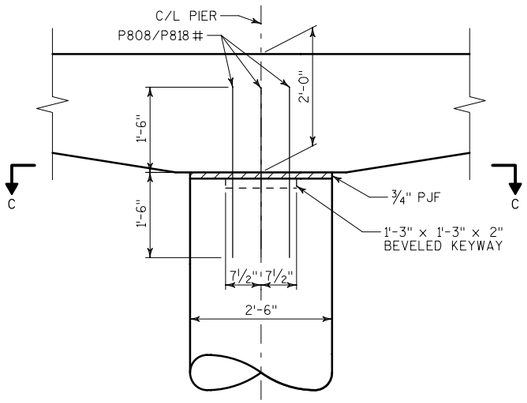
8

FILE NAME : B1829_080109_REV.dgn PLOT DATE : 01-FEB-2013 PLOT BY : jwahl B1829_080109_REV PLOT SCALE : 3:1

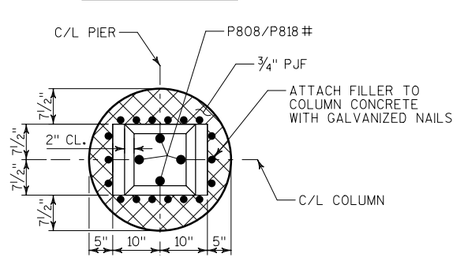
STATE PROJECT NUMBER
1022-08-73



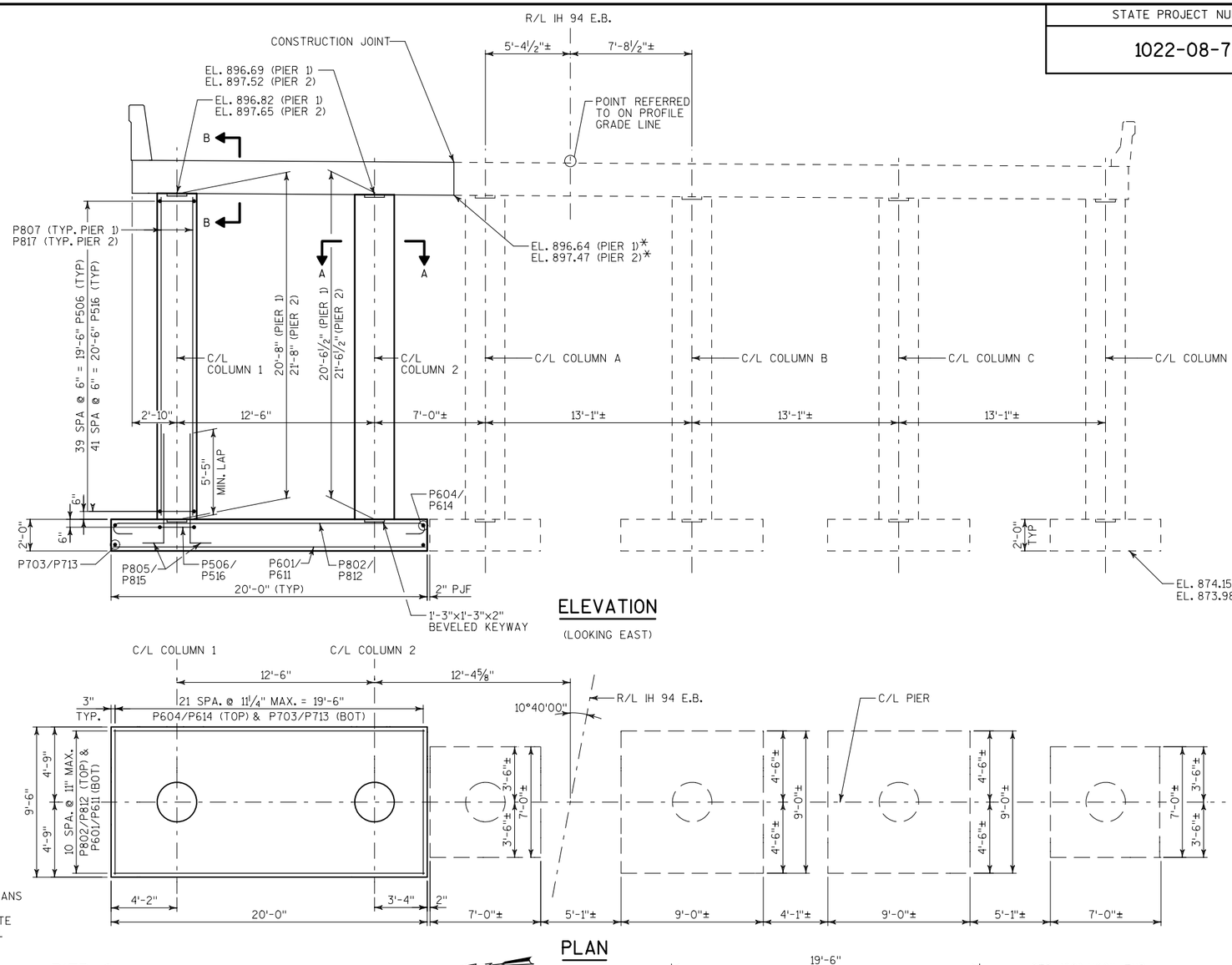
SECTION A-A



SECTION B-B



SECTION C-C



ELEVATION

(LOOKING EAST)

PLAN

NOTES:

* ELEVATION FROM SURVEY, ALL OTHER ELEVATIONS FROM EXISTING BRIDGE PLANS

BARS MAY BE PLACED AFTER CONCRETE HAS BEEN POURED BUT BEFORE INITIAL SET HAS TAKEN PLACE

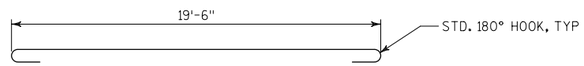
PIER 1 BILL OF BARS

NOTE:
BAR DIMENSIONS ARE OUT TO OUT OF BAR.
THE FIRST OR FIRST TWO DIGITS OF A BAR MARK SIGNIFIES THE BAR SIZE

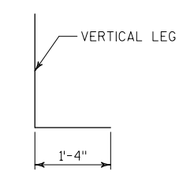
BAR MARK	COAT	NO REQ'D	LENGTH	BENT	BAR SERIES	LOCATION
P601		11	19'-6"			FOOTING BOTTOM
P802		11	21'-4"	X		FOOTING TOP
P703		22	9'-0"			FOOTING BOTTOM
P604		22	9'-0"			FOOTING TOP
P805	X	24	8'-3"	X		FOOTING DOWELS
P506	X	82	8'-0"	X		FOOTING AND COLUMN HORIZONTAL
P807	X	24	20'-0"			COLUMN VERT.
P808	X	8	3'-0"			COLUMN DOWELS

PIER 2 BILL OF BARS

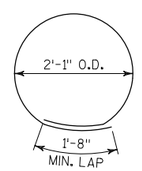
BAR MARK	COAT	NO REQ'D	LENGTH	BENT	BAR SERIES	LOCATION
P611		11	19'-6"			FOOTING BOTTOM
P812		11	21'-4"	X		FOOTING TOP
P713		22	9'-0"			FOOTING BOTTOM
P614		22	9'-0"			FOOTING TOP
P815	X	24	8'-3"	X		FOOTING DOWELS
P516	X	86	8'-0"	X		FOOTING AND COLUMN HORIZONTAL
P817	X	24	21'-0"			COLUMN VERT.
P818	X	8	3'-0"			COLUMN DOWELS



P802/P812



P805/P815



P506/P516

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-18-29

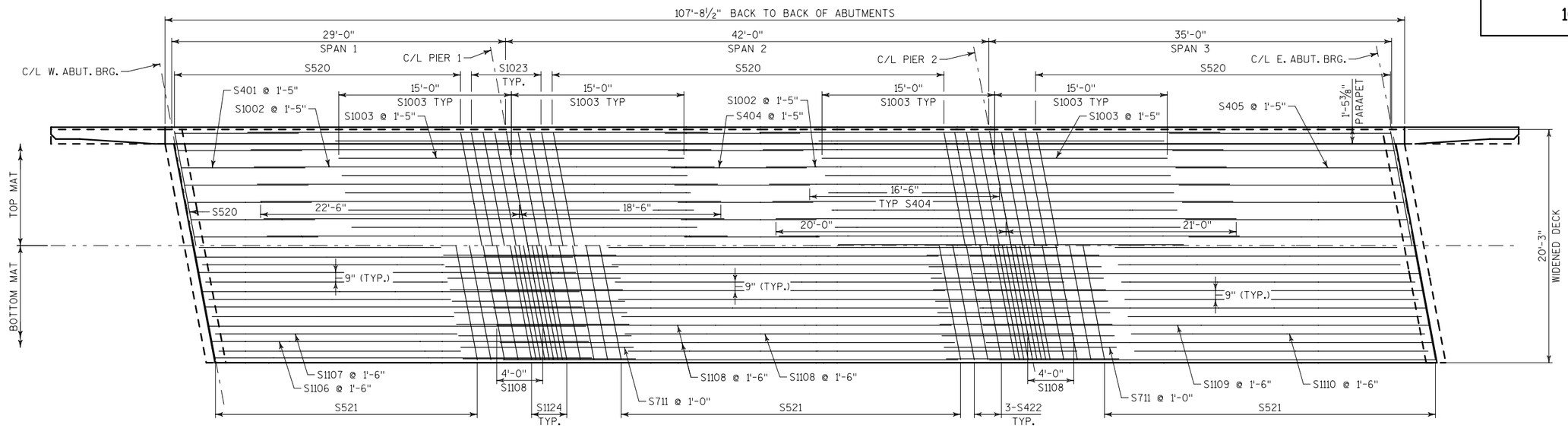
DRAWN BY MHM | PLANS CK'D. AJB

PIERS 1 & 2

SHEET 10 OF 18

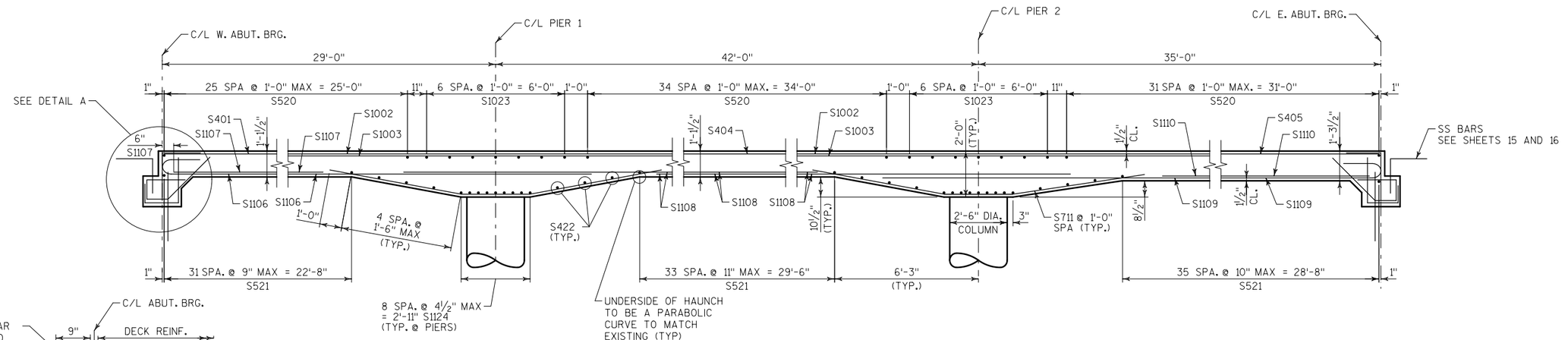
STATE PROJECT NUMBER

1022-08-73



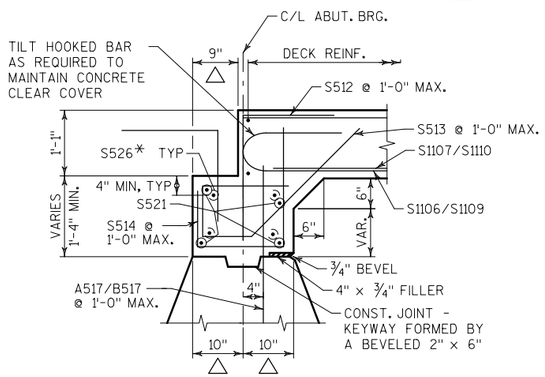
PLAN - WIDENED DECK

(3 SPAN CONCRETE SLAB BRIDGE)



LONGITUDINAL SECTION THRU DECK

(CONCRETE OVERLAY NOT SHOWN)



DETAIL A

(EAST ABUTMENT SIMILAR)

NOTES:

* CONCRETE MASONRY DOWELS, TYPE L NO. 5 BARS MIN. PULLOUT CAPACITY OF 9 KIPS, EMBED 11"

△ DIMENSION IS PERPENDICULAR TO C/L ABUTMENT BEARING.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-18-29

DRAWN BY MHM | PLANS CK'D. AJB

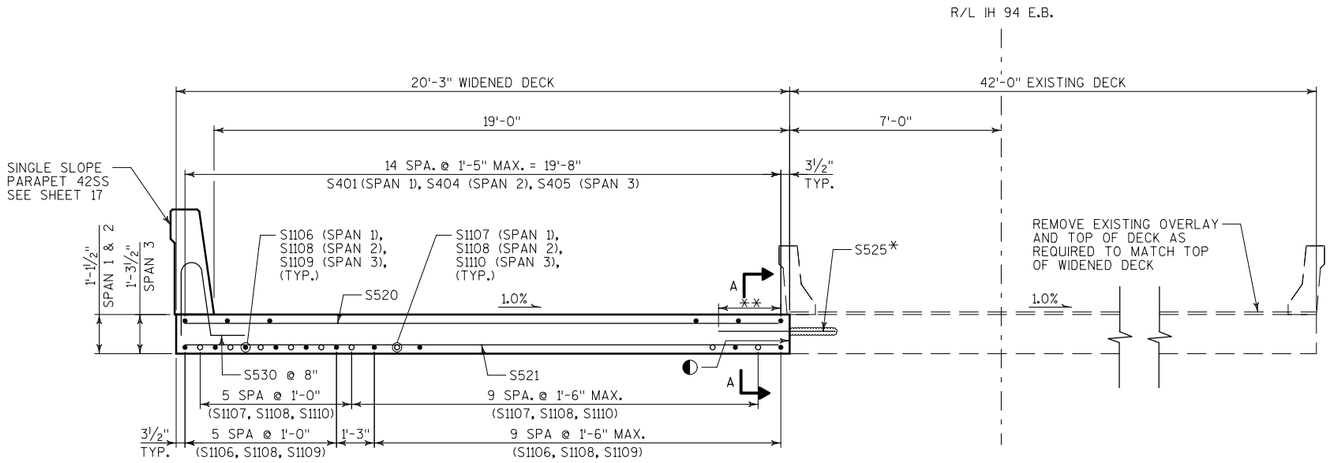
SUPERSTRUCTURE

SHEET 11 OF 18

FILE NAME : B1829_080111_REV.dgn PLOT DATE : 01-FEB-2013 PLOT BY : jwahl B1829_080111_REV PLOT SCALE : 10:1

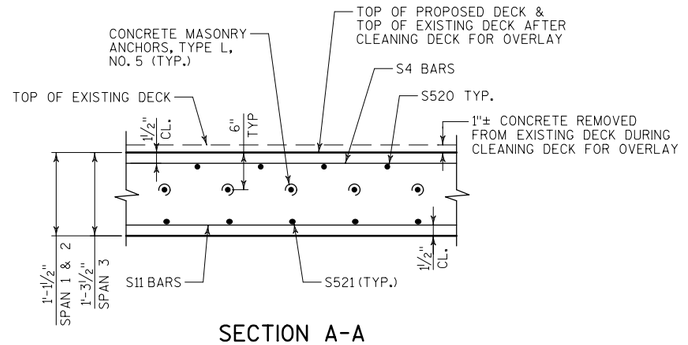
STATE PROJECT NUMBER

1022-08-73

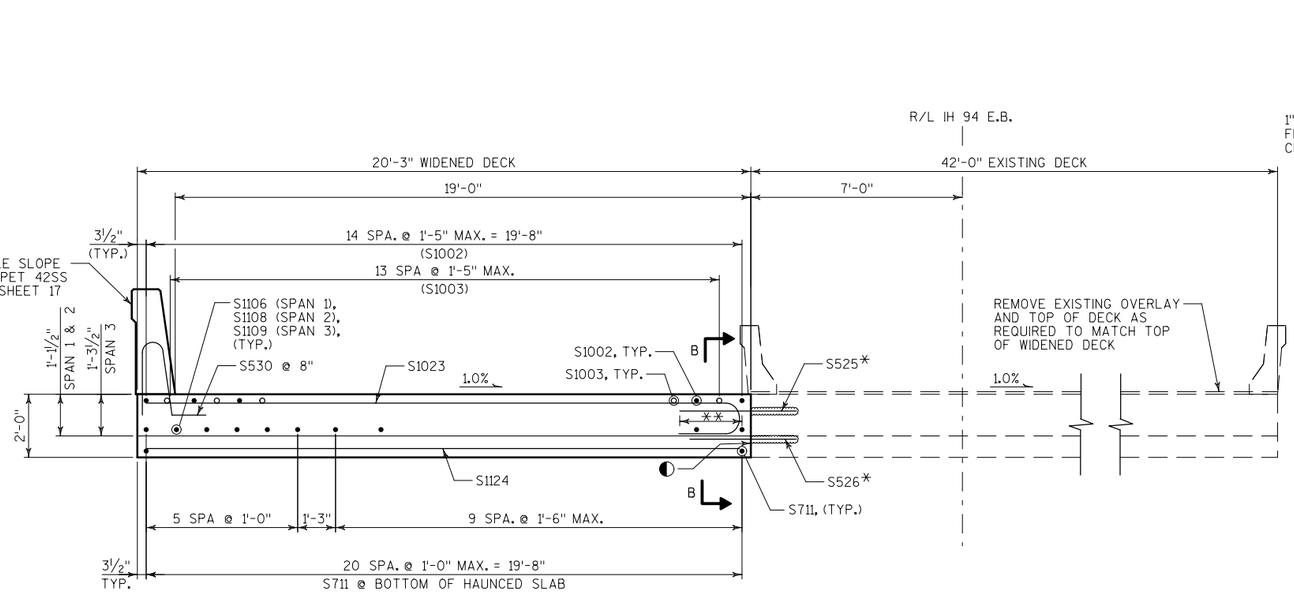


CROSS SECTION THRU BRIDGE - NEAR MID-SPAN

(LOOKING EAST)
(PROPOSED DECK OVERLAY NOT SHOWN)

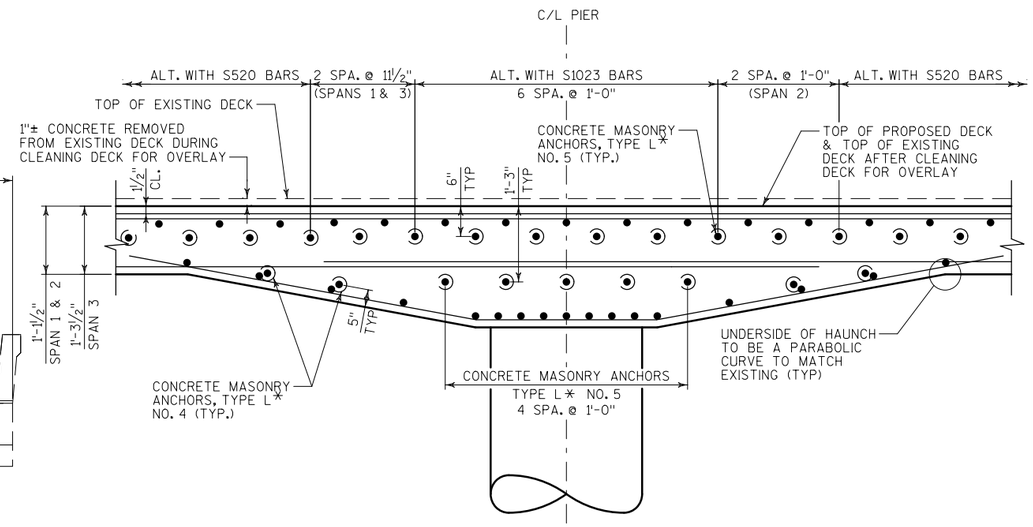


SECTION A-A



CROSS SECTION THRU BRIDGE - AT PIERS

(LOOKING EAST)
(PROPOSED DECK OVERLAY NOT SHOWN)



SECTION B-B

LEGEND:

◐ ROUGHEN SURFACE OF CONCRETE ¼" DEEP MINIMUM AT ALL AREAS OF NEW TO EXISTING CONCRETE

NOTES:

*CONCRETE MASONRY ANCHORS, TYPE L
NO. 5 BARS MIN. PULLOUT CAPACITY OF 9 KIPS, EMBED 11"
NO. 4 BARS MIN. PULLOUT CAPACITY OF 7 KIPS, EMBED 8"

**MINIMUM LAP REQUIRED
TOP MAT NO. 5 = 2'-11"
BOTTOM MAT NO. 4 = 1'-8"
BOTTOM MAT NO. 5 = 2'-7"

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-18-29

DRAWN BY MHM | PLANS CK'D. AJB

SUPERSTRUCTURE CROSS SECTION

SHEET 12 OF 18

8

8

FILE NAME : B1829_080112_REV.dgn PLOT DATE : 01-FEB-2013 PLOT BY : jwahl B1829_080112_REV PLOT SCALE : 5:1

STATE PROJECT NUMBER

1022-08-73

TOP OF DECK ELEVATIONS

LOCATION	C/L OF W. ABUT.	0.1 PT.	0.2 PT.	0.3 PT.	0.4 PT.	0.5 PT.	0.6 PT.	0.7 PT.	0.8 PT.	0.9 PT.	C/L OF PIER 1
N. EDGE OF SLAB	898.27	898.32	898.38	898.43	898.49	898.54	898.60	898.65	898.71	898.76	898.82
CONSTRUCTION JOINT	898.14	898.19	898.25	898.30	898.36	898.41	898.47	898.52	898.58	898.63	898.69
R/L IH 94 E.B.	898.09	898.15	898.20	898.26	898.31	898.37	898.42	898.48	898.53	898.59	898.64

LOCATION	C/L OF PIER 1	0.1 PT.	0.2 PT.	0.3 PT.	0.4 PT.	0.5 PT.	0.6 PT.	0.7 PT.	0.8 PT.	0.9 PT.	C/L OF PIER 2
N. EDGE OF SLAB	898.82	898.90	898.98	899.06	899.14	899.23	899.31	899.39	899.48	899.56	899.65
CONSTRUCTION JOINT	898.69	898.77	898.85	898.93	899.02	899.10	899.18	899.27	899.35	899.44	899.52
R/L IH 94 E.B.	898.64	898.73	898.81	898.89	898.97	899.06	899.14	899.22	899.31	899.39	899.48

LOCATION	C/L OF PIER 2	0.1 PT.	0.2 PT.	0.3 PT.	0.4 PT.	0.5 PT.	0.6 PT.	0.7 PT.	0.8 PT.	0.9 PT.	C/L OF E. ABUT.
N. EDGE OF SLAB	899.65	899.72	899.79	899.86	899.93	900.01	900.08	900.15	900.23	900.30	900.37
CONSTRUCTION JOINT	899.52	899.59	899.67	899.74	899.81	899.88	899.96	900.03	900.10	900.18	900.25
R/L IH 94 E.B.	899.48	899.55	899.62	899.70	899.77	899.84	899.91	899.99	900.06	900.14	900.21

1) ELEVATIONS SHOWN ARE TOP OF DECK BEFORE CONCRETE OVERLAY (WIDENED DECK) AND AFTER REMOVAL OF 1½" EXISTING OVERLAY (EXISTING DECK)
2) ELEVATIONS DO NOT INCLUDE ALLOWANCES OF DEAD LOAD DEFLECTION AND FUTURE CREEP.
3) CONSTRUCTION JOINT LOCATION IS AT THE INTERFACE OF THE EXISTING AND NEW (WIDENED) DECK.

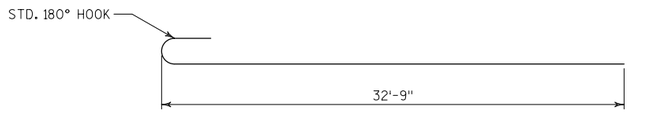
NOTES:

*CONCRETE MASONRY ANCHORS, TYPE L

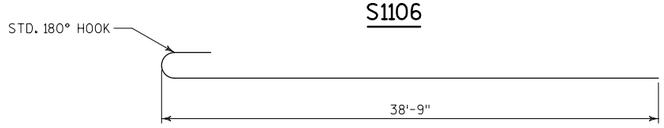
NOTE:
BAR DIMENSIONS ARE OUT TO OUT OF BAR.
THE FIRST OR FIRST TWO DIGITS
OF A BAR MARK SIGNIFIES THE BAR SIZE

BILL OF BARS

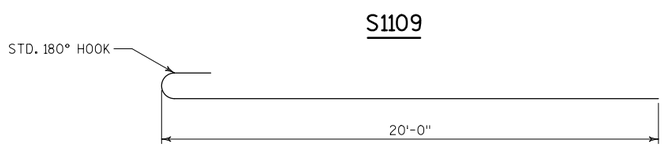
	BAR MARK	COAT	NO REQ'D	LENGTH	BENT	BAR SERIES	LOCATION
	S401	X	15	10'-9"			DECK LONGITUDINAL, TOP
	S1002	X	30	41'-0"			DECK LONGITUDINAL, TOP
	S1003	X	28	30'-0"			DECK LONGITUDINAL, TOP
	S404	X	15	12'-6"			DECK LONGITUDINAL, TOP
	S405	X	15	19'-3"			DECK LONGITUDINAL, TOP
	S1106	X	16	34'-3"	X		DECK LONGITUDINAL, BOT.
	S1107	X	15	21'-0"			DECK LONGITUDINAL, BOT.
	S1108	X	31	39'-0"			DECK LONGITUDINAL, BOT.
	S1109	X	16	40'-4"	X		DECK LONGITUDINAL, BOT.
	S1110	X	15	28'-6"			DECK LONGITUDINAL, BOT.
	S711	X	42	14'-6"	X		DECK LONGITUDINAL, HAUNCH BOT.
	S512	X	42	3'-5"	X		DECK AT ABUTMENT
	S513	X	42	5'-1"	X		DECK AT ABUTMENT
	S514	X	42	3'-8"	X		DECK AT ABUTMENT
	S520	X	93	20'-0"			DECK TRANS. TOP
	S521	X	110	20'-0"			DECK TRANS. BOT.
	S422	X	12	20'-0"			DECK TRANS. HAUNCH BOT.
	S1023	X	14	21'-5"	X		DECK TRANS. PIER TOP
	S1124	X	18	20'-0"			DECK TRANS. PIER BOT.
*	S525	X	105	4'-2"			DECK TRANS. DOWEL TOP
*	S526	X	18	3'-10"			DECK AT ABUTMENT/PIER DOWEL
	S1027						
	S1028						
*	S429	X	8	2'-11"			DECK TRANS. DOWEL BOT.
	S530	X	162	4'-11"	X		DECK @ PARAPET
	S531	X	162	6'-8"	X		PARAPET VERTICAL
	S532	X	24	38'-0"			PARAPET HORIZONTAL



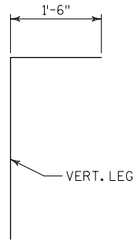
S1106



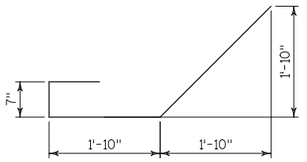
S1109



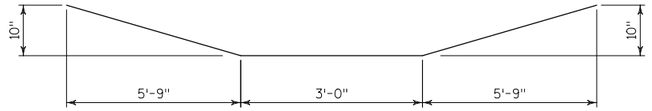
S1023



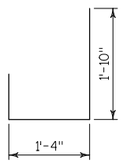
S512



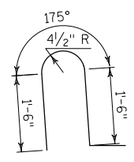
S513



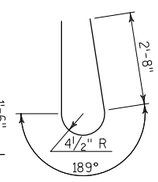
S711



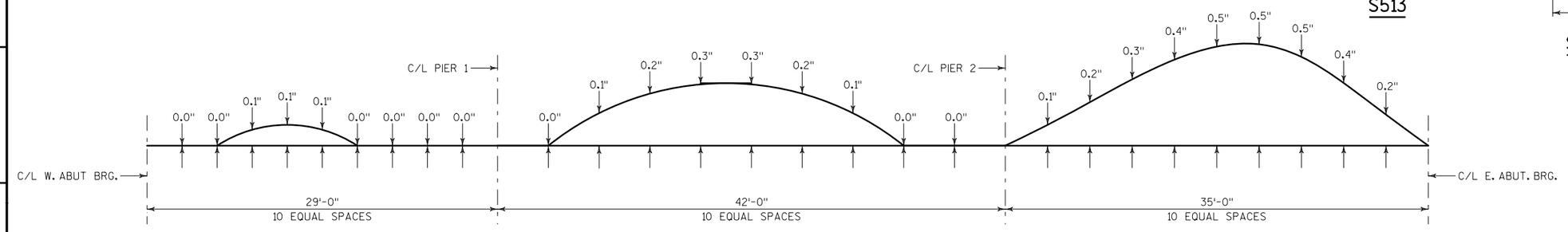
S514



S530



S531



CAMBER DIAGRAM

CAMBER SPANS AS SHOWN TO PROVIDE FOR DEAD LOAD DEFLECTION & FUTURE CREEP. CAMBER DOES NOT INCLUDE ALLOWANCE FOR FORM SETTLEMENT.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-18-29

DRAWN BY JLK | PLANS CK'D. AJB

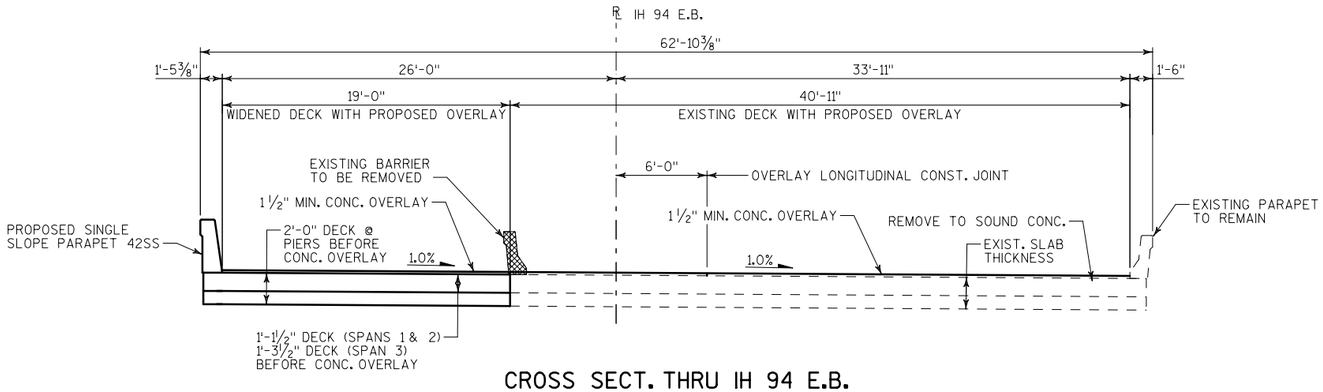
SUPERSTRUCTURE DETAILS

SHEET 13 OF 18

8

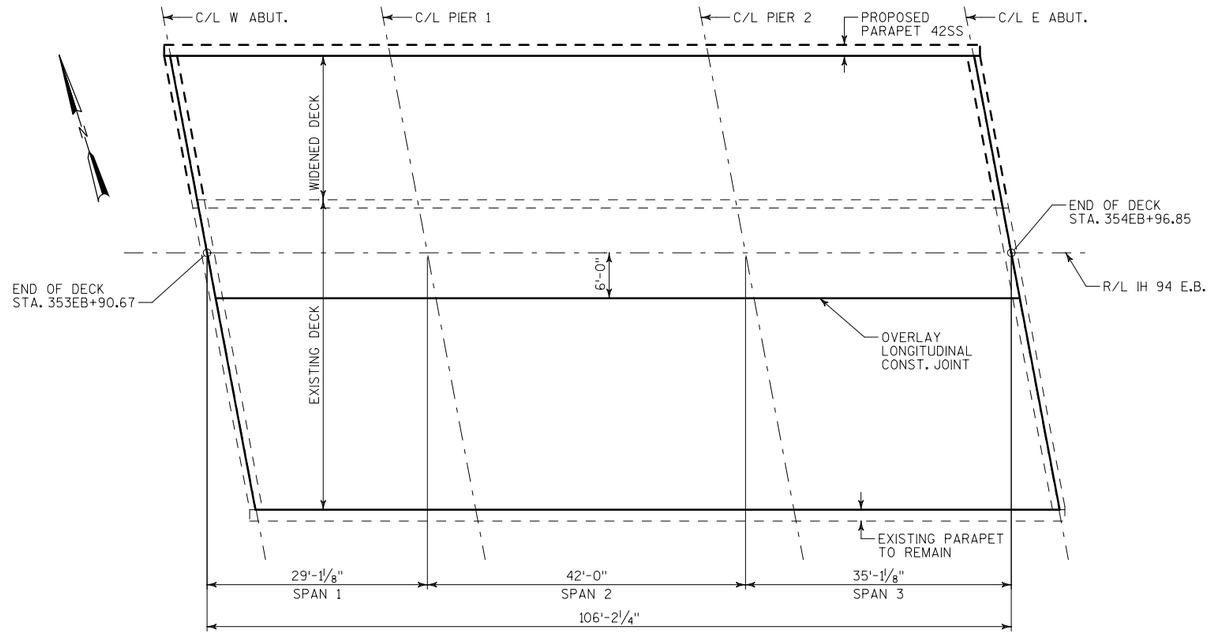
8

FILE NAME : B1829_080113_REV.dgn PLOT DATE : 01-FEB-2013 PLOT BY : jwahl B1829_080113_REV PLOT SCALE : 5:1



CROSS SECT. THRU IH 94 E.B.

LOOKING EAST



PLAN

NOTES:

DIMENSIONS SHOWN ARE BASED ON THE ORIGINAL STRUCTURE PLANS.

PROFILE GRADE LINE SHALL BE DETERMINED BASED ON A MINIMUM OVERLAY THICKNESS OF 1½" PLACED ABOVE THE DECK SURFACE AFTER CLEANING. EXPECTED AVERAGE OVERLAY THICKNESS IS 2" (OR AS GIVEN BY THE DESIGN ENGINEER). IF EXPECTED AVERAGE OVERLAY THICKNESS IS EXCEEDED BY MORE THAN ½", CONTACT THE STRUCTURES DESIGN SECTION.

ANY EXCAVATION REQ'D. TO COMPLETE THE OVERLAY OR THE PAVING BLOCK AT ABUTS. IS INCIDENTAL TO THE BID ITEM, "CONCRETE MASONRY OVERLAY DECKS".

8

8

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-18-29

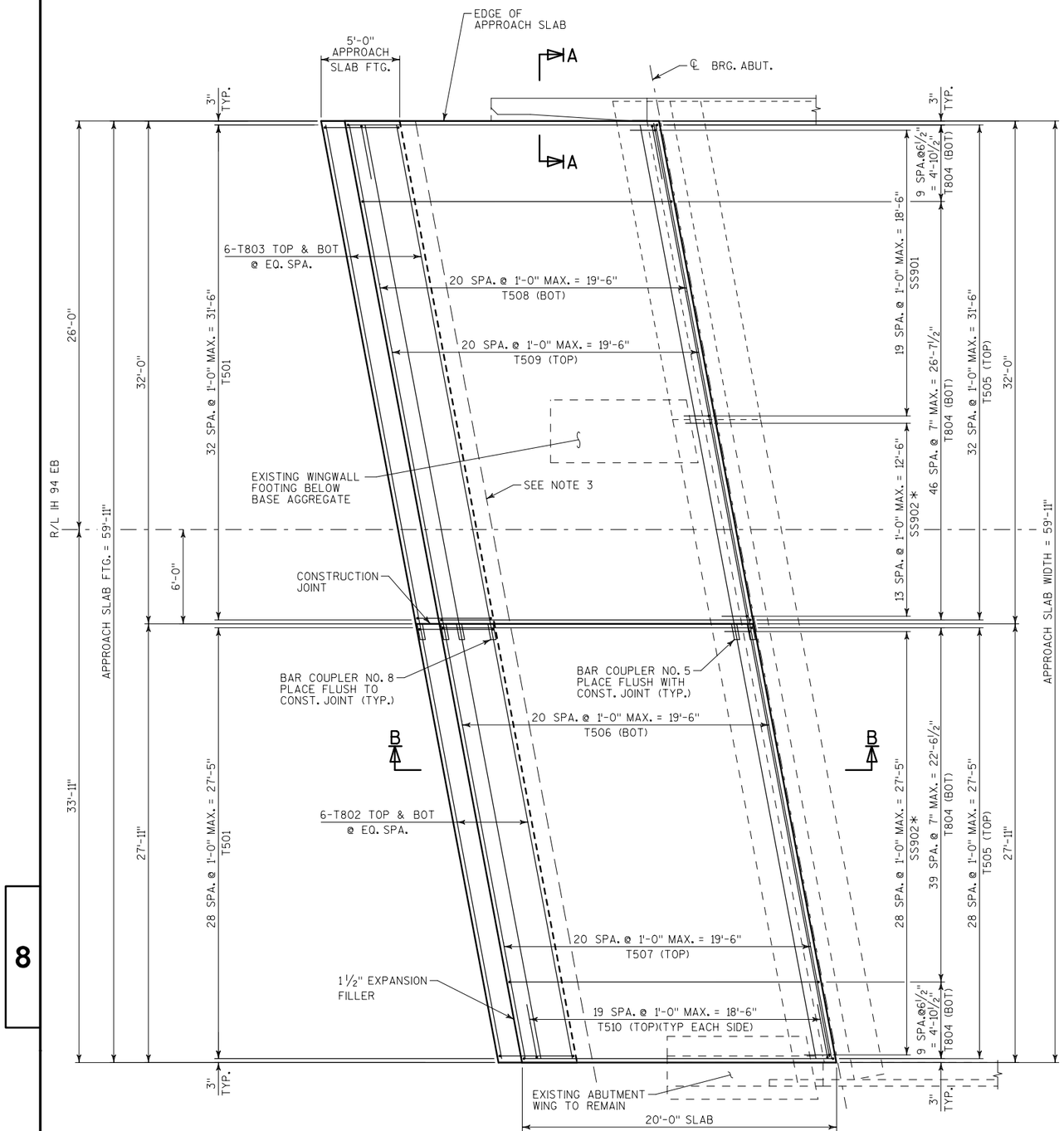
DRAWN BY JLK | PLANS CK'D. AJB

CONCRETE OVERLAY

SHEET 14 OF 18

STATE PROJECT NUMBER

1022-08-73



APPROACH SLAB PLAN

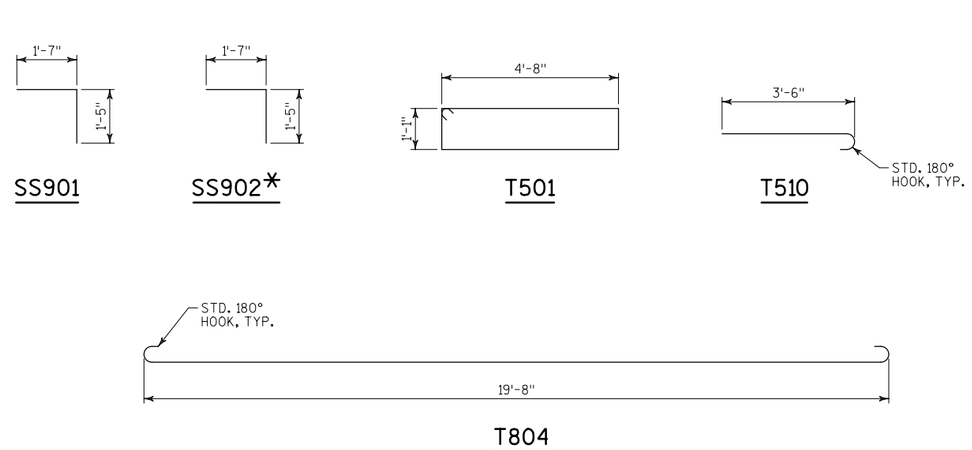
BILL OF BARS

NOTE:
BAR DIMENSIONS ARE OUT TO OUT OF BAR.
THE FIRST OR FIRST TWO DIGITS
OF A BAR MARK SIGNIFIES THE BAR SIZE

	BAR MARK	COAT	NO REQ'D	LENGTH	BENT	BAR SERIES	LOCATION
	SS901		40	2'-9"	X		ABUTMENT TO APPROACH SLAB
*	SS902		86	2'-9"	X		ABUTMENT TO APPROACH SLAB

	BAR MARK	COAT	NO REQ'D	LENGTH	BENT	BAR SERIES	LOCATION
	T501	X	124	12'-1"	X		APPROACH SLAB FTG. - STIRRUP
#	T802	X	24	28'-1"			APPROACH SLAB FTG. - TRANS.
#	T803	X	24	32'-3"			APPROACH SLAB FTG. - TRANS.
	T804	X	210	21'-5"	X		APPROACH SLAB - LONG. BOT.
	T505	X	124	19'-6"			APPROACH SLAB - LONG. TOP
#	T506	X	42	28'-1"			APPROACH SLAB - TRANS. BOT.
#	T507	X	42	28'-1"			APPROACH SLAB - TRANS. TOP
#	T508	X	42	32'-3"			APPROACH SLAB - TRANS. BOT.
#	T509	X	42	32'-3"			APPROACH SLAB - TRANS. TOP
	T510	X	80	4'-1"	X		APPROACH SLAB - TRANS. TOP - EDGE

BAR LENGTH GIVEN TO CONSTRUCTION JOINT.
ADJUST LENGTH AS REQUIRED TO ACCOMMODATE
BAR COUPLER.



NOTES:

1. WEST APPROACH SLAB SHOWN. EAST APPROACH SIMILAR.
2. SECTIONS A-A AND B-B ARE SHOWN ON SHEET 16.
3. PIPE UNDERDRAIN WRAPPED 6-INCH AT APPROACH SLAB. SLOPE 0.5% MINIMUM AND RUN TO SUITABLE DRAINAGE. PROVIDE A RODENT SCREEN.
4. BAR COUPLERS TO MATCH SIZE OF REBAR. PLACE OPEN END FLUSH WITH EXPOSED FACE OF CONCRETE.

* CONCRETE MASONRY ANCHOR, TYPE L.
NO. 9 BAR, MIN. PULLOUT CAPACITY OF 9 KIPS,
EMBED 9" INTO EXISTING CONCRETE

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-18-29

DRAWN BY JLK | PLANS CK'D. AJB

APPROACH SLAB PLAN

SHEET 15 OF 18

8

8

STATE PROJECT NUMBER

1022-08-73

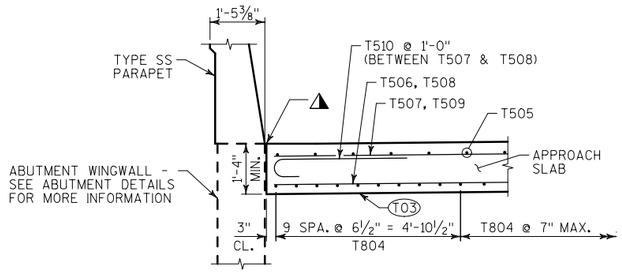
LEGEND

(T01) PIPE UNDERDRAIN WRAPPED 6-INCH AT APPROACH SLAB. LOCATED ONLY ON UPHILL SIDE OF APPROACH SLAB FOOTING. SLOPE 0.5% MINIMUM AND RUN TO SUITABLE DRAINAGE. PROVIDE A RODENT SCREEN.

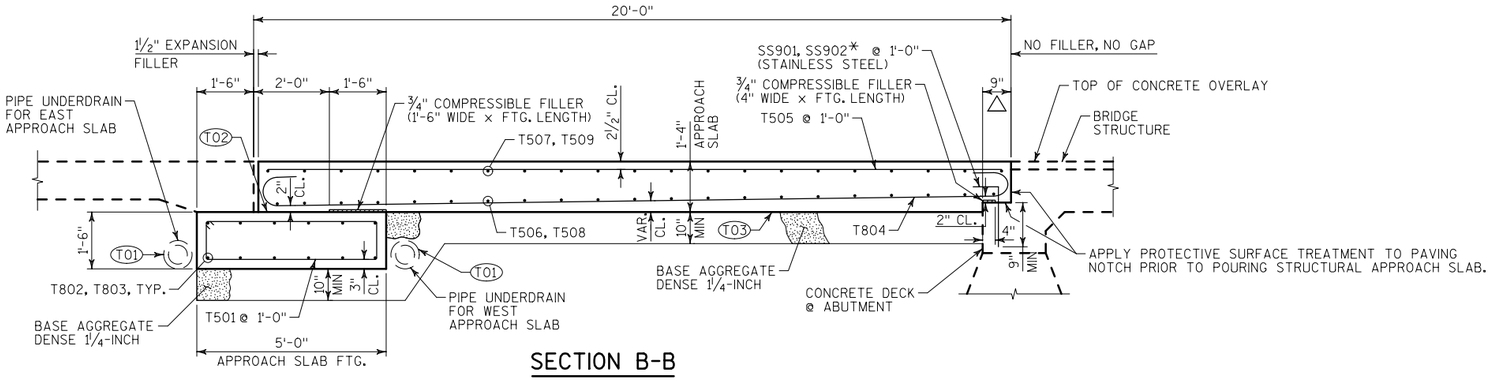
(T02) STEEL TROWEL TOP SURFACE OF FOOTING AND PLACE MULTIPLE LAYERS (0.03" MIN. TOTAL THK.) OF POLYETHYLENE SHEETS OVER THE ENTIRE LENGTH OF THE FOOTING.

(T03) PLACE MULTIPLE LAYERS (0.03" MIN. TOTAL THK.) OF POLYETHYLENE SHEETS OVER THE ENTIRE LENGTH OF THE SUBGRADE.

△ SEAL ALL EXPOSED HORIZONTAL AND VERTICAL SURFACES OF 1/2" FILLER WITH NON-STAINING GRAY NON-BITUMINOUS JOINT SEALER. (1" DEEP AND HOLD 1/8" BELOW SURFACE OF CONCRETE).



SECTION A-A



SECTION B-B

SECTION THRU APPROACH SLAB

△ PAVING NOTCH MEASURED NORMAL TO ABUTMENT

* CONCRETE MASONRY ANCHOR, TYPE L NO. 9 BARS MIN. PULLOUT CAPACITY OF 9 KIPS, EMBED 9" INTO EXISTING CONCRETE

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-18-29

DRAWN BY JLK | PLANS CK'D. AJB

APPROACH SLAB DETAILS

SHEET 16 OF 18

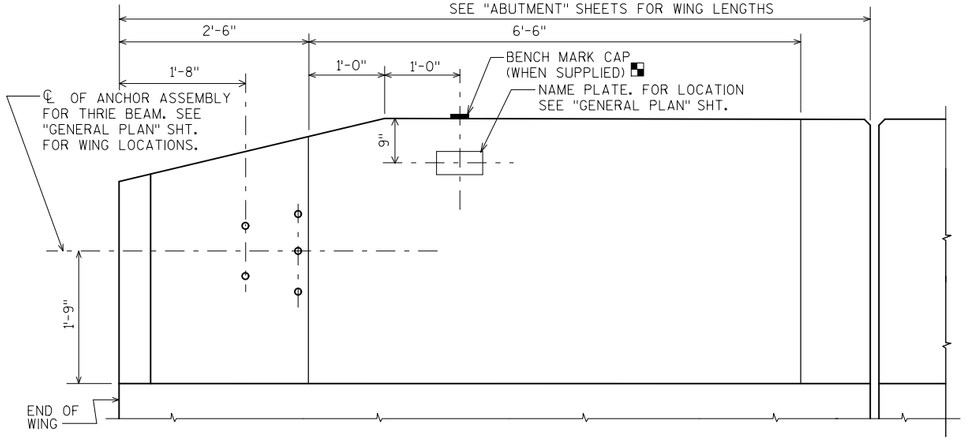
8

8

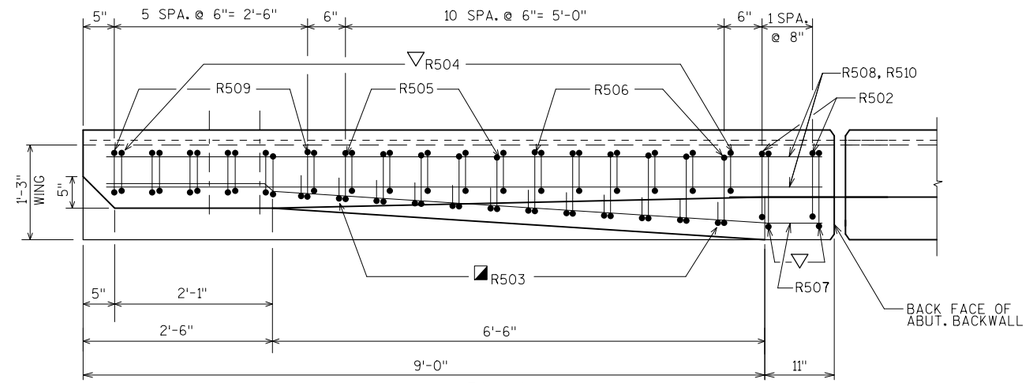
FILE NAME : B1829_080116.dgn PLOT DATE : 01-FEB-2013 PLOT BY : jwahl B1829_080116 PLOT SCALE : 4:1

STATE PROJECT NUMBER

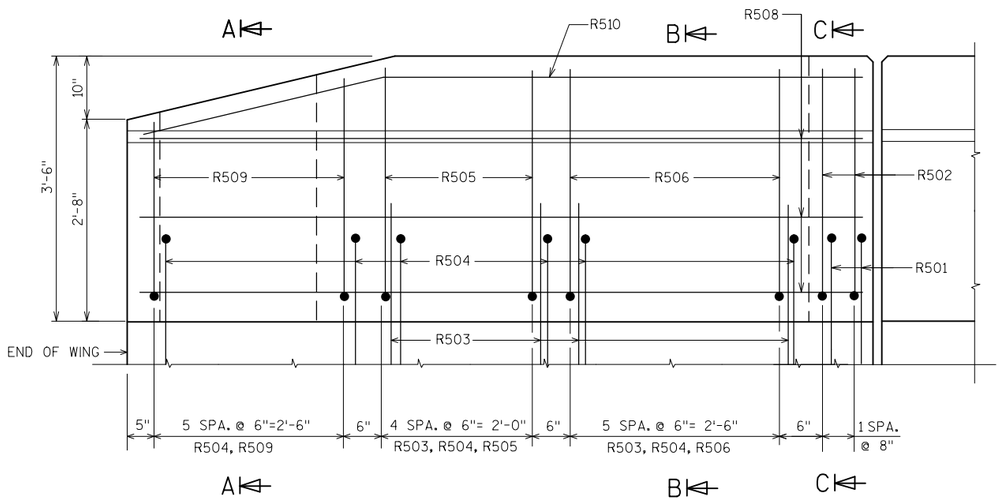
1022-08-73



INSIDE ELEVATION

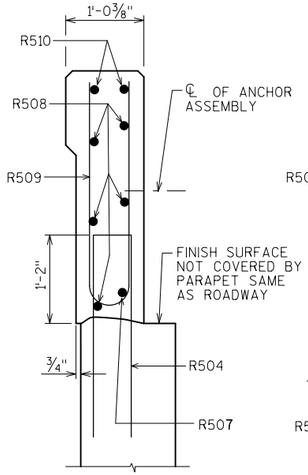


PLAN

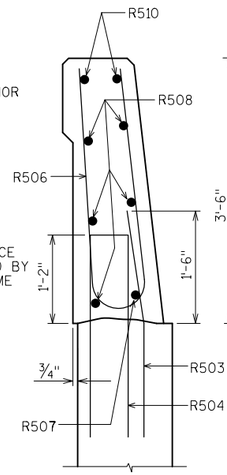


OUTSIDE ELEVATION

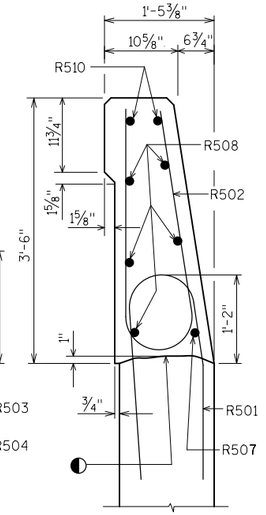
■ AVOID PLACING A BENCH MARK CAP BELOW A RAIL OR FENCE SYSTEM THAT IS ATTACHED TO THE TOP OF THE PARAPET.



SECTION A



SECTION B



SECTION C

BILL OF BARS

FOR ABUTMENT PARAPETS

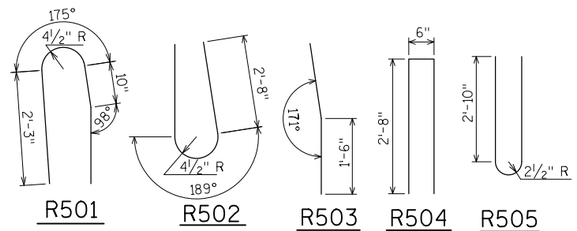
BAR MARK	COAT	WEST ABUT.	EAST ABUT.	LENGTH	BENT	BAR SERIES	LOCATION
R501	X	2	2	5'-10"	X		PARAPET VERT.
R502	X	2	2	6'-8"	X		PARAPET VERT.
R503	X	11	11	3'-0"	X		PARAPET VERT.
R504	X	17	17	5'-7"	X		PARAPET VERT.
R505	X	5	5	6'-5"	X		PARAPET VERT.
R506	X	6	6	6'-6"	X		PARAPET VERT.
R507	X	1	1	9'-5"	X		PARAPET HORIZ.
R508	X	5	5	9'-5"			PARAPET HORIZ.
R509	X	6	6	5'-5"	X	◭	PARAPET VERT.
R510	X	2	2	9'-5"	X		PARAPET HORIZ.

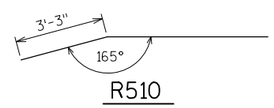
◭ LENGTH SHOWN FOR BAR IS AN AVERAGE LENGTH AND SHOULD ONLY BE USED FOR BAR WEIGHT CALCULATIONS. SEE BAR SERIES TABLE FOR ACTUAL LENGTHS.

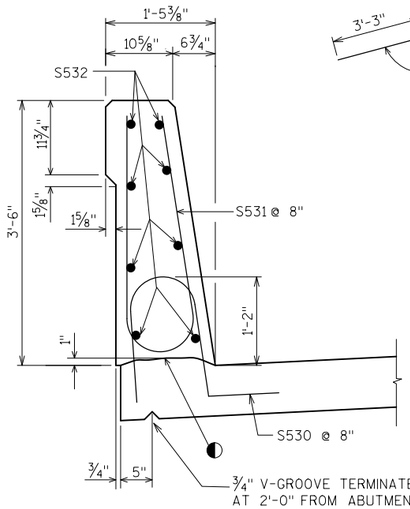
BAR SERIES TABLE

MARK	NO. REQD.	LENGTH
R509	2 SERIES OF 6	4'-9" TO 6'-1"

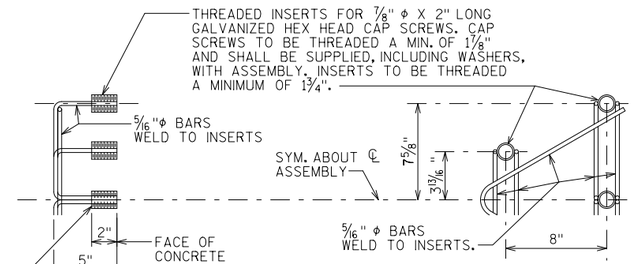
BUNDLE AND TAG EACH SERIES SEPARATELY.







SECTION THRU PARAPET ON BRIDGE



DETAIL OF ANCHOR ASSEMBLY

NOTE: HEX HEAD CAP SCREWS & WASHERS TO BE GALVANIZED IN ACCORDANCE WITH AASHTO M232 CLASS C.

ASSEMBLY SHALL BE BID ITEM "ANCHOR ASSEMBLIES FOR STEEL PLATE BEAM GUARD", EACH.

◐ CONST. JOINT - STRIKE OFF AS SHOWN.

◪ R503 BARS MAY BE PLACED AFTER CONCRETE IS POURED BUT BEFORE INITIAL SET HAS TAKEN PLACE. USE CARE TO PLACE R503 BARS CORRECTLY ALONG TRANSITION OF PARAPET.

▽ R501 AND R504 BARS TO BE TIED TO WING STEEL BEFORE WING IS POURED.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-18-29

DRAWN BY JLK | PLANS CK'D. AJB

SINGLE SLOPE PARAPET 42SS

SHEET 17 OF 18

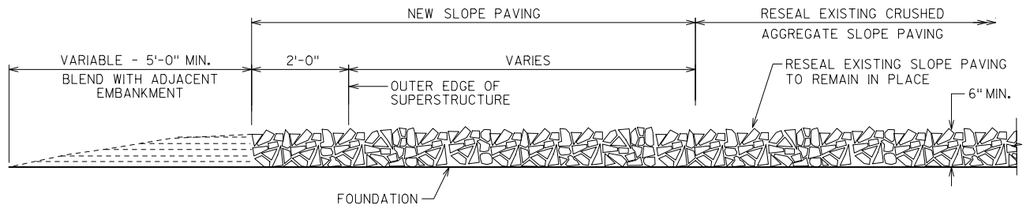
8

8

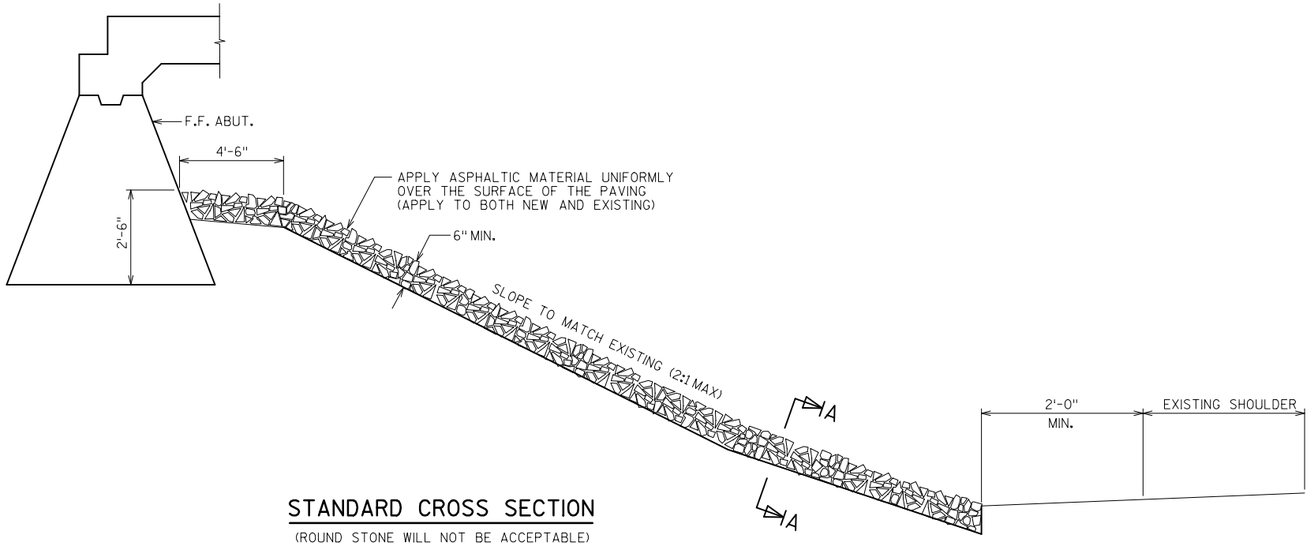
FILE NAME : B1829_080117_REV.dgn PLOT DATE : 01-FEB-2013 PLOT BY : jwahl B1829_080117_REV PLOT SCALE : 2:1

STATE PROJECT NUMBER

1022-08-73



SECTION A-A



STANDARD CROSS SECTION

(ROUND STONE WILL NOT BE ACCEPTABLE)

GENERAL NOTES

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

WOOD FORMS MAY BE LEFT IN PLACE WHEN OF A QUALITY ACCEPTABLE TO THE ENGINEER.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-18-29

DRAWN BY JLK | PLANS CK'D. AJB

SLOPE PAVING (CRUSHED AGGREGATE)

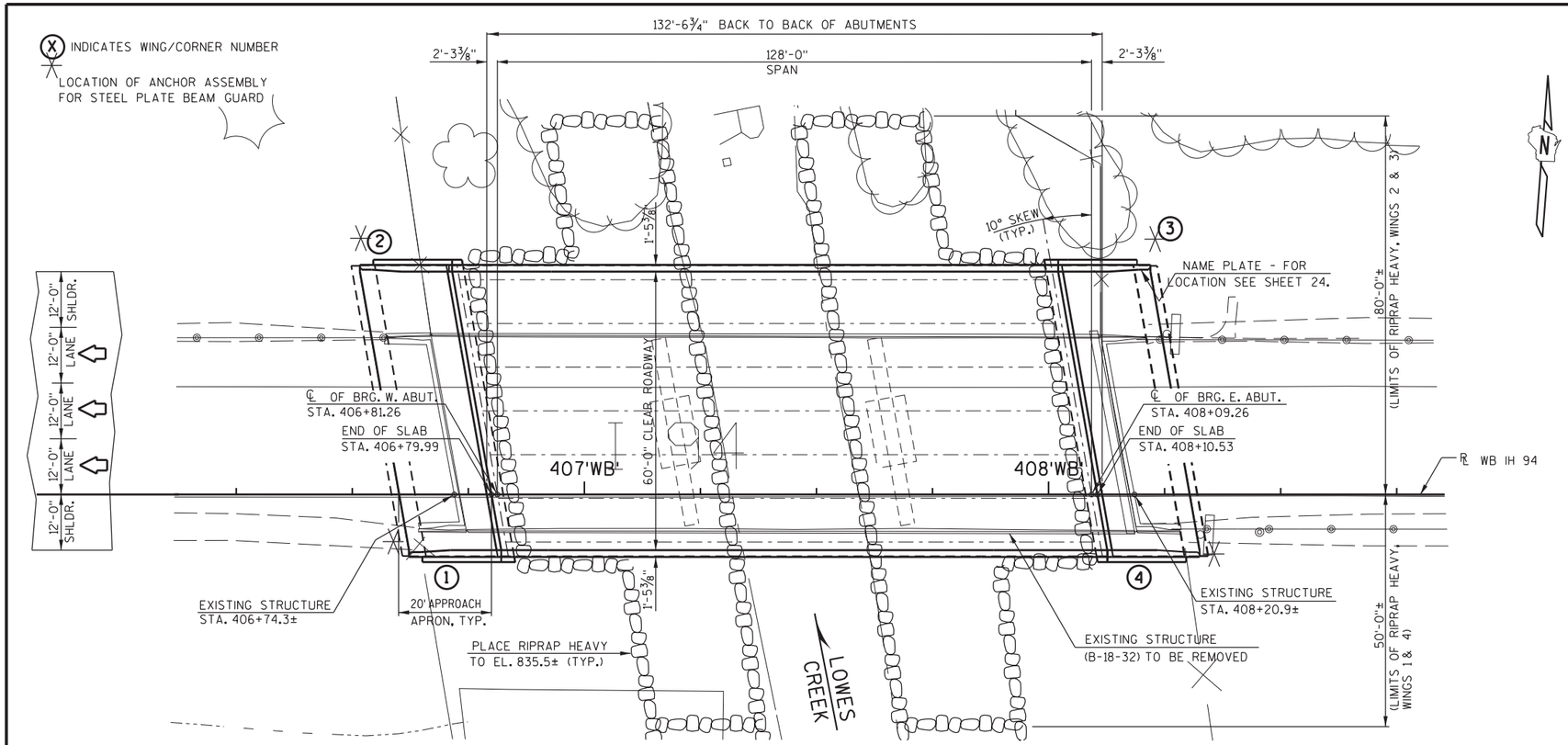
SHEET 18 OF 18

8

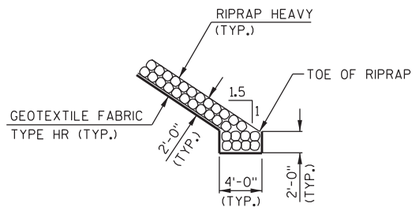
8

FILE NAME : B1829_080118_REV.dgn PLOT DATE : 01-FEB-2013 PLOT BY : jwahl B1829_080118_REV PLOT SCALE : 2:1

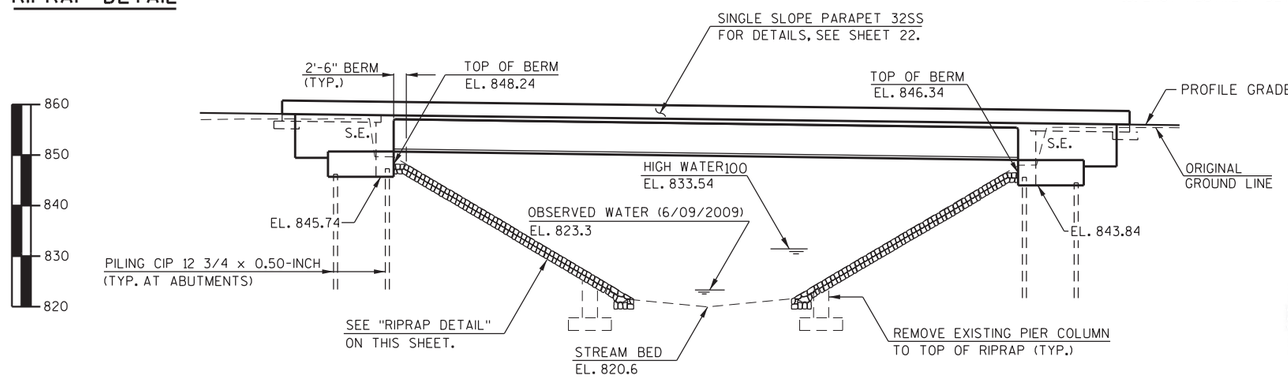
STATE PROJECT NUMBER
1022-08-73



PLAN
(SINGLE SPAN - 72W" PRESTRESSED GIRDERS)



RIPRAP DETAIL



ELEVATION
(NORMAL TO LOWES CREEK)

LIST OF DRAWINGS

1. GENERAL PLAN
2. CROSS SECTION & QUANTITIES
3. SUBSURFACE EXPLORATION
4. WEST ABUTMENT
5. WEST ABUTMENT
6. WING 1
7. WING 2
8. WEST ABUTMENT DETAILS
9. EAST ABUTMENT
10. EAST ABUTMENT
11. WING 3
12. WING 4
13. EAST ABUTMENT DETAILS
14. ALTERNATE CONSTRUCTION JOINT
15. 72W" PRESTRESSED GIRDER DETAILS
16. 72W" PRESTRESSED GIRDER DETAILS
17. INTERMEDIATE STEEL DIAPHRAGMS
18. SUPERSTRUCTURE
19. SUPERSTRUCTURE
20. SUPERSTRUCTURE
21. SUPERSTRUCTURE
22. SUPERSTRUCTURE
23. APPROACH APRON DETAILS
24. SINGLE SLOPE PARAPET 32SS
25. BILL OF BARS

DESIGN DATA

LIVE LOAD:

DESIGN LOADING: HL-93
INVENTORY RATING FACTOR (RF): 1.05
OPERATIONAL RATING FACTOR (RF): 1.80
WISCONSIN STANDARD PERMIT VEHICLE (Wis-SPV): 250 KIPS

STRUCTURE IS DESIGNED FOR A 1½" SACRIFICIAL WEARING SURFACE, PLACED AT INITIAL CONSTRUCTION INTEGRAL WITH THE DECK. NO ALLOWANCE HAS BEEN MADE FOR A FUTURE WEARING SURFACE LOAD.

ULTIMATE DESIGN STRESSES:

CONCRETE MASONRY - SLAB —— f'_C = 4,000 P.S.I.
- ALL OTHER —— f'_C = 3,500 P.S.I.
HIGH-STRENGTH BAR STEEL REINFORCEMENT, GRADE 60 —— f_y = 60,000 P.S.I.
72W" PRESTRESSED GIRDERS - CONCRETE MASONRY —— f'_C = 8,000 P.S.I.
STRANDS - 0.6" DIA. WITH AN ULTIMATE TENSILE STRENGTH OF —— 270,000 P.S.I.

FOUNDATION DATA:

ABUTMENTS TO BE SUPPORTED ON PILING CIP CONCRETE 12¾ x 0.50-INCH WITH A REQUIRED DRIVING RESISTANCE OF 210 TONS** PER PILE AS DETERMINED BY THE MODIFIED GATES DYNAMIC FORMULA. ESTIMATED 45'-0" LONG AT WEST ABUTMENT AND 65'-0" LONG AT EAST ABUTMENT.

** THE FACTORED AXIAL RESISTANCE OF PILES IN COMPRESSION USED FOR DESIGN IS THE REQUIRED DRIVING RESISTANCE MULTIPLIED BY A RESISTANCE FACTOR OF 0.5 USING MODIFIED GATES TO DETERMINE DRIVEN PILE CAPACITY.

TRAFFIC DATA:

WBL IH 94
A.D.T. (2008) = 27,400
A.D.T. (2028) = 36,900
DESIGN SPEED = 70 M.P.H.

HYDRAULIC DATA:

100 YEAR FREQUENCY
DRAINAGE AREA —— 59.2 SQ.MI.
VELOCITY —— 9.32 F.P.S.
WATERWAY AREA —— 510 SQ.FT.
Q_{100} —— 3,700 C.F.S.
HIGH WATER $_{100}$ ELEVATION —— 833.54
SCOUR CRITICAL CODE —— 8

2 YEAR FREQUENCY
Q_2 —— 1,190 C.F.S.
HIGH WATER $_2$ ELEVATION —— 828.27

NO.	DATE	REVISION	BY

Original Plans Prepared By
ROMENESKO ENGINEERING, INC.

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
ACCEPTED William C. Dreher KAR 02/07/13
CHIEF STRUCTURES DESIGN ENGINEER — DATE

STRUCTURE B-18-227

IH 94 WB OVER LOWES CREEK

COUNTY	TOWN ~~CITY/VILLAGE~~
EAU CLAIRE	WASHINGTON

DESIGN SPEC. AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS

DESIGNED BY	TR	DESIGN CK'D.	VR	DRAWN BY	TAW	PLANS CK'D.	TR

GENERAL PLAN

SHEET 1 OF 25
746

WISCONSIN
THOMAS J. ROMENESKO
E-26318
MADISON
WI
PROFESSIONAL ENGINEER
1/22/13

ROMENESKO ENGINEERING, INC.
CONTACT: TOM ROMENESKO, P.E.
7325 CEDAR CREST DRIVE
SAUK CITY, WI 53583
(608) 644-1502

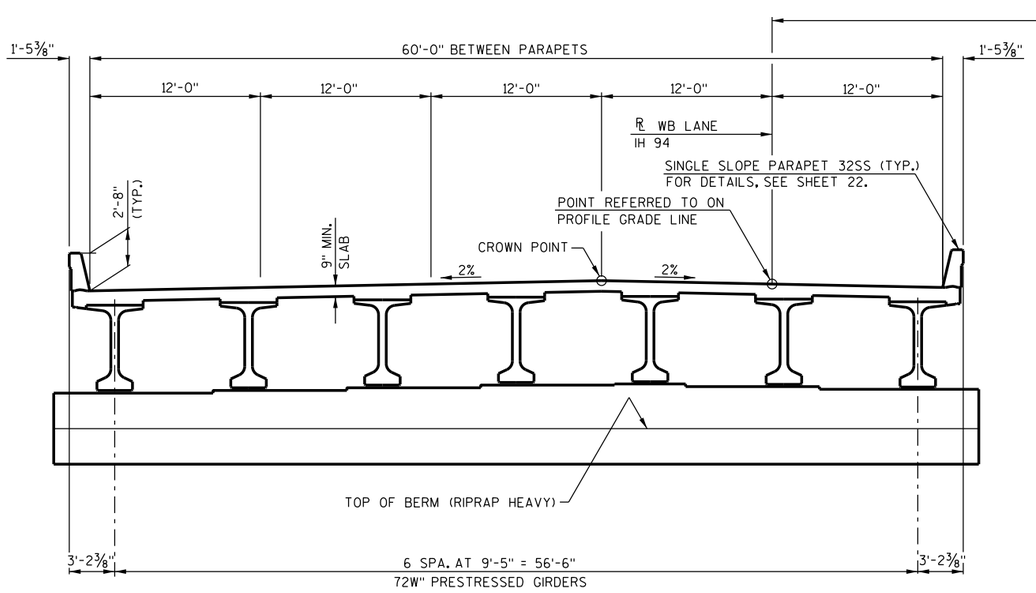
BRIDGE OFFICE CONTACT:
WILLIAM DREHER, P.E.
(608) 266-8489

I.D. 1133-09-00 DATE : 1/23/2013

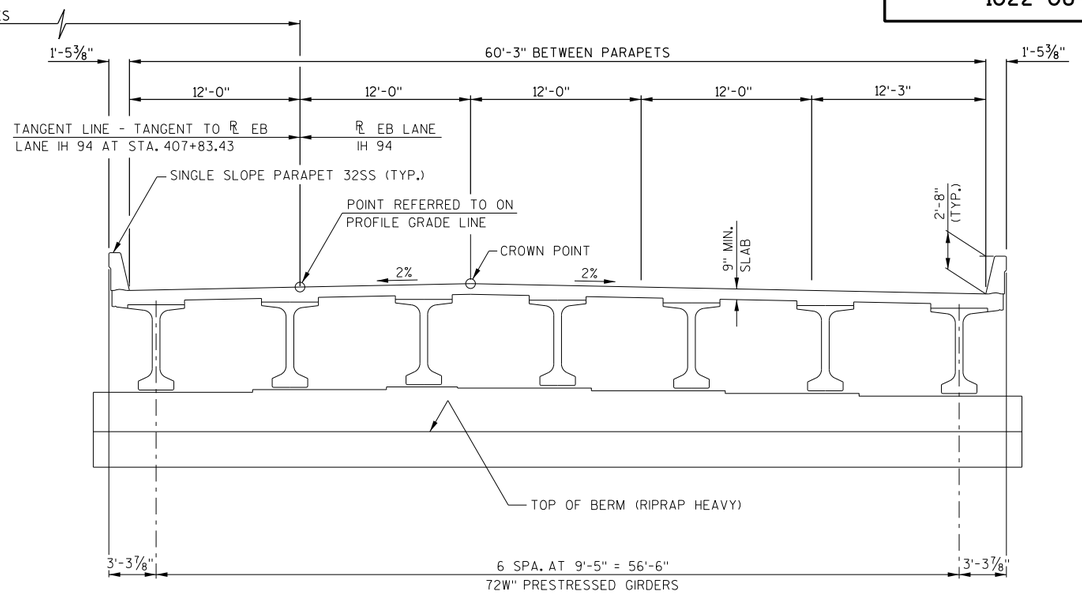
8

FILE NAME : P:\159 I-94 - OEM Hill\B-18-227 dgn\01.Gen.Plan.b-18-227.dgn
PLOT DATE : 1/23/2013

STATE PROJECT NUMBER
1022-08-73



B-18-227



B-18-228

CROSS SECTION THRU ROADWAY

(LOOKING EAST)

TOTAL ESTIMATED QUANTITIES

BID ITEM NO.	BID ITEMS	UNIT	WEST ABUTMENT	EAST ABUTMENT	SUPER.	APPROACH APRON	TOTAL
203.0600.S	REMOVING OLD STRUCTURE OVER WATERWAY WITH MINIMAL DEBRIS STA. 407+45	LS	———	———	———	———	1
206.1000	EXCAVATION FOR STRUCTURES BRIDGES B-18-227	LS	———	———	———	———	1
210.0100	BACKFILL STRUCTURE	CY	400	400	———	———	800
502.0100	CONCRETE MASONRY BRIDGES	CY	70	70	399	168	707
502.3200	PROTECTIVE SURFACE TREATMENT	SY	———	———	980	284	1,264
503.0172	PRESTRESSED GIRDER TYPE I 72W-INCH	LF	———	———	903	———	903
505.0405	BAR STEEL REINFORCEMENT HS BRIDGES	LB	5,790	5,960	———	———	11,750
505.0605	BAR STEEL REINFORCEMENT HS COATED BRIDGES	LB	2,960	2,920	55,870	27,470	89,220
506.2605	BEARING PADS ELASTOMERIC NON-LAMINATED	EACH	7	7	———	———	14
506.4000	STEEL DIAPHRAGMS B-18-227	EACH	———	———	12	———	12
516.0500	RUBBERIZED MEMBRANE WATERPROOFING	SY	18	18		———	36
550.2128	PILING CIP CONCRETE 12¾× 0.50-INCH	LF	720	1,040	———	———	1,760
606.0300	RIPRAP HEAVY	CY	390	390	———	———	780
612.0406	PIPE UNDERDRAIN WRAPPED 6-INCH	LF	120	120	———	480	720
645.0120	GEOTEXTILE FABRIC TYPE HR	SY	930	930	———	———	1,860
SPV.0085.	BAR STEEL REINFORCEMENT HS STAINLESS BRIDGES	LB	———	———	2,150	———	2,150
	NON - BID ITEMS						
	FILLER	SIZE	———	———	———		½" & ¾"

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2" CLEAR UNLESS SHOWN OR NOTED OTHERWISE.

THE TOP LAYER OF BAR STEEL REINFORCEMENT IN THE DECK SHALL BE PLACED WITH 2½" OF CLEAR COVER.

FILLER SHALL CONFORM TO THE REQUIREMENTS OF A.A.S.H.T.O. DESIGNATION M153, TYPES I , II OR III OR M213.

THE AREA OF THE FILL IN FRONT OF THE ABUTMENTS SHALL BE COVERED WITH RIPRAP HEAVY, TO THE LIMITS SHOWN ON SHEET 1, ON THE ABUTMENT SHEETS OR AS DIRECTED BY THE ENGINEER.

THE FIRST DIGIT OF A THREE DIGIT AND THE FIRST TWO DIGITS OF A FOUR DIGIT BAR MARK SIGNIFIES THE BAR SIZE.

FILL/EXCAVATE TO BOTTOM OF ABUTMENT ELEVATION BEFORE DRIVING PILING.

AT THE BACKFACE OF ABUTMENTS, ALL VOLUME WHICH CANNOT BE PLACED BEFORE ABUTMENT CONSTRUCTION AND IS NOT OCCUPIED BY THE NEW STRUCTURE, SHALL BE BACKFILLED WITH BACKFILL STRUCTURE.

THE FINISHED GRADED SECTION SHALL BE THE UPPER LIMITS OF EXCAVATION FOR STRUCTURES.

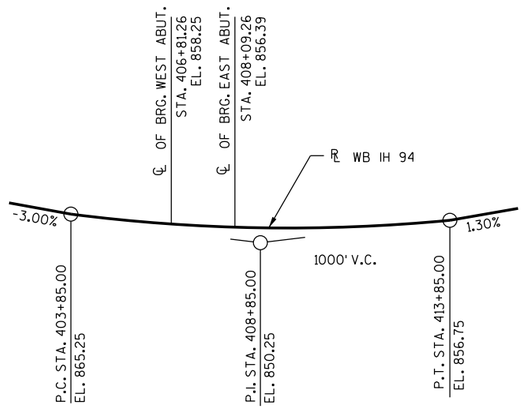
THE ELASTOMERIC BEARING PADS NON-LAMINATED NEED NOT BE INDIVIDUALLY MOLDED PROVIDED THE CUT EDGES ARE SMOOTH AND TRUE.

THE HAUNCH CONCRETE QUANTITY IS BASED ON AN AVERAGE HAUNCH SHOWN ON THE PRESRESSED GIRDER DETAILS SHEET.

ALL STATIONS AND ALL ELEVATIONS ARE IN FEET.

PROTECTIVE SURFACE TREATMENT IS TO BE APPLIED TO THE TOP OF THE DECK, INSIDE FACE OF PARAPETS, AND TOP OF PARAPETS.

THE EXISTING STRUCTURE, B-18-32, IS A THREE PRESTRESSED GIRDER BRIDGE WITH AN OVERALL WIDTH OF 41'-0"± AND AN OVERALL LENGTH OF 148'-0"± AND IS TO BE REMOVED.



PROFILE GRADE LINE, IH 94

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-18-227

DRAWN BY TAW | PLANS CK'D. TR

CROSS SECTION & QUANTITIES

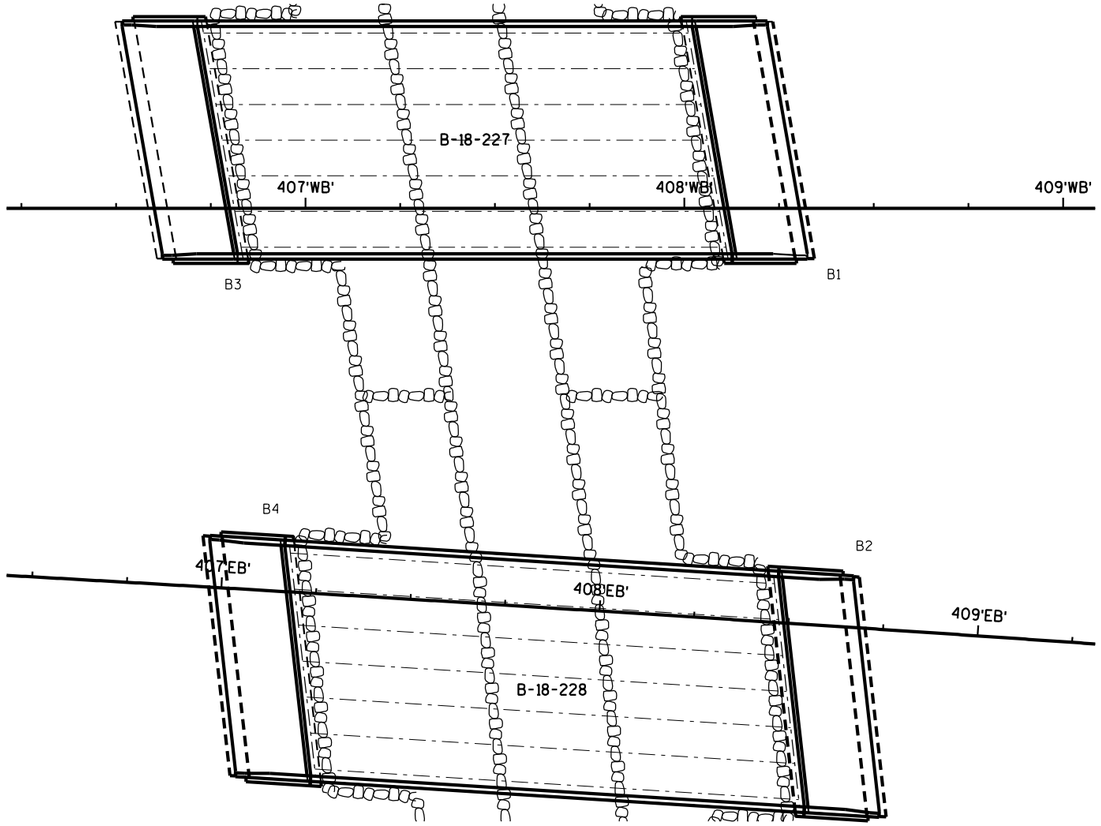
SHEET 2 OF 25
747

FILE NAME : P:\159 I-94 - CROW Hill\B-18-227 dgn\02_section_profiles_b-18-227.dgn
PLOT DATE : 1/22/2013

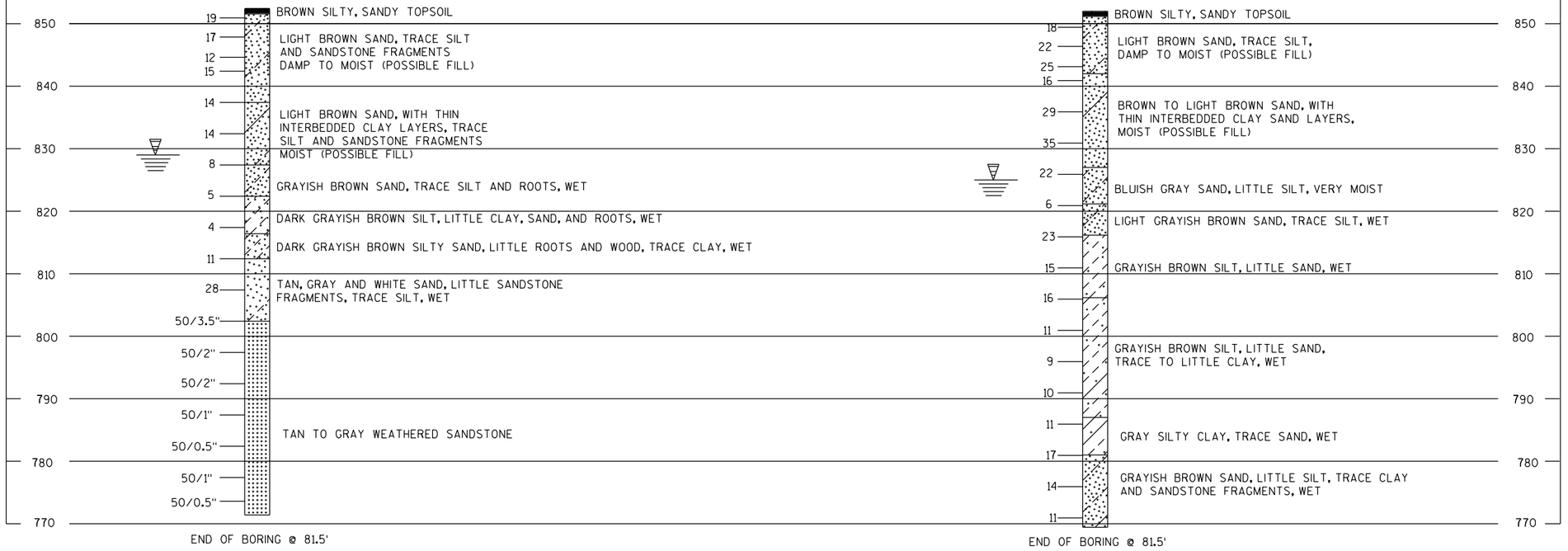
8

8

BORINGS TAKEN AUG. 6 & 7, 2012
IH 94 OVER LOWES CREEK
EAU CLAIRE COUNTY, WISCONSIN







STATE PROJECT NUMBER

1022-08-73

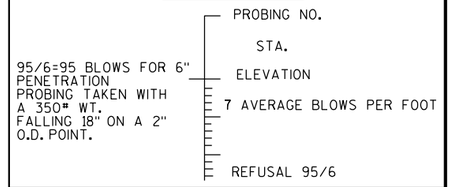
ABBREVIATIONS

F — FINE M — MEDIUM C — COARSE
WS — WEATHERED SO — SOUND

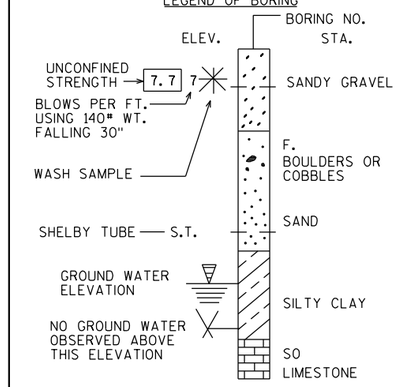
MATERIAL SYMBOLS

TOPSOIL, SILT, SANDSTONE
SAND, PEAT, LIMESTONE
GRAVEL, CLAY, IGNEOUS ROCK

LEGEND OF PROBING



LEGEND OF BORING



UNLESS OTHERWISE SPECIFIED, THE BLOWS PER FOOT AT THE LOCATIONS INDICATED ARE BASED ON DRIVING A 2" O.D. X 1.4" I.D. SPLIT SPOON SAMPLER WITH A 140# HAMMER HAVING A FREE FALL OF 30". THE BLOW COUNT IS TAKEN IN UNDISTURBED SOIL IMMEDIATELY BELOW A CASED OR OPEN HOLE ELIMINATING SIDE FRICTION ON THE DRIVE PIPE.

SUBSURFACE EXPLORATION FOR FOUNDATION DESIGN AND BIDDERS INFORMATION

TO OBTAIN RELATIVE DATA CONCERNING THE CHARACTER OF MATERIAL IN AND UPON WHICH THE FOUNDATION MIGHT BE BUILT, BORINGS AND/OR SOUNDINGS WERE MADE AT POINTS APPROXIMATELY AS INDICATED ON THIS DRAWING. THE DATA PRESENTED HEREIN REPRESENTS THE FINDINGS OF THE SUBSURFACE EXPLORATIONS MADE. HOWEVER, BECAUSE THE DEPTHS INVESTIGATED ARE LIMITED AND THE AREA OF THE BORINGS AND/OR SOUNDINGS IS VERY SMALL IN RELATION TO THE ENTIRE AREA, THE WISCONSIN DEPARTMENT OF TRANSPORTATION DOES NOT WARRANT CONDITIONS BELOW THE DEPTHS INVESTIGATED OR THAT THE CLASSIFICATION OF MATERIAL ENCOUNTERED IN THESE INVESTIGATIONS IS NECESSARILY TYPICAL OF THE ENTIRE SITE.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-18-227

DRAWN BY TR | PLANS CK'D. TAW

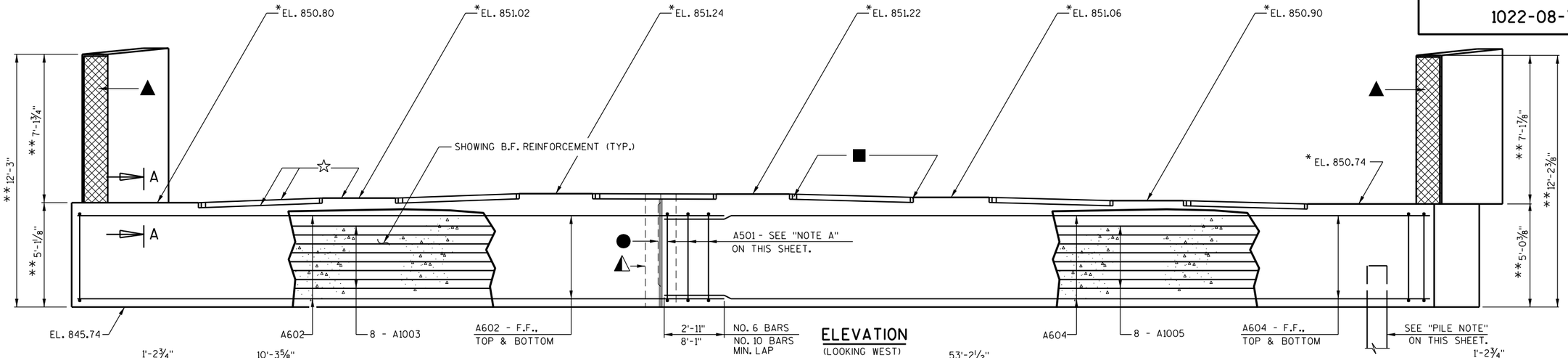
SUBSURFACE EXPLORATION

SHEET 3 OF 25
748

SCALE =

STATE PROJECT NUMBER

1022-08-73

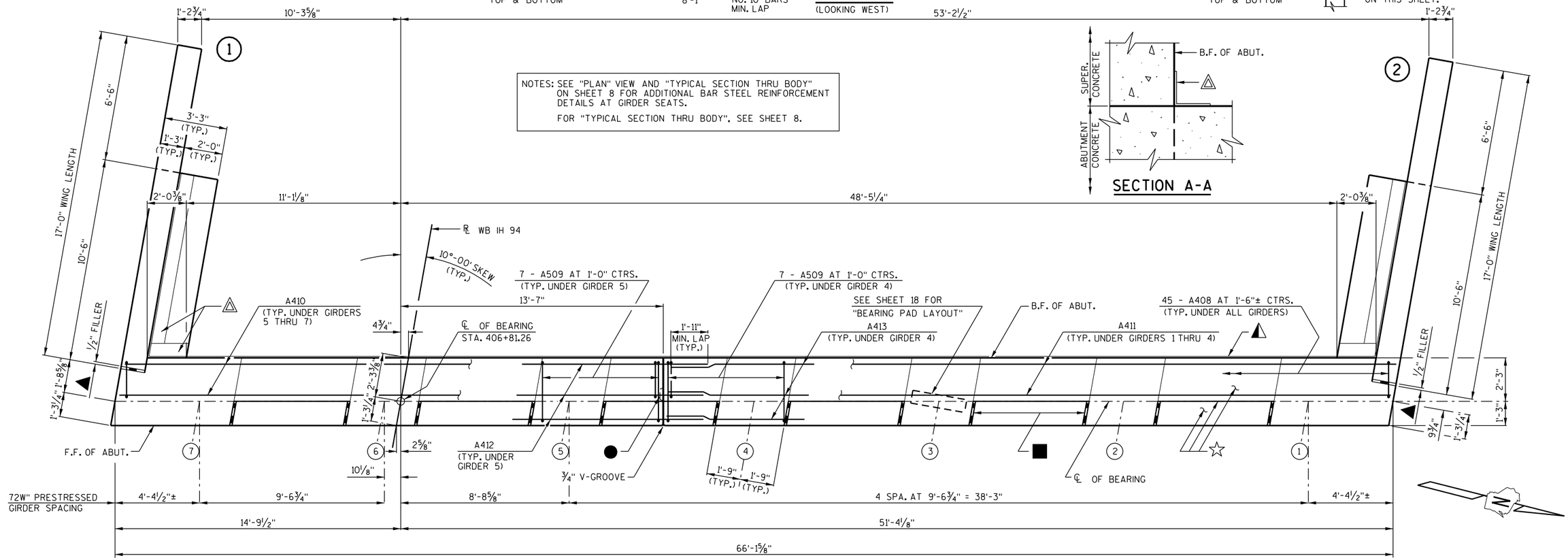


ELEVATION
(LOOKING WEST)

NOTES: SEE "PLAN" VIEW AND "TYPICAL SECTION THRU BODY" ON SHEET 8 FOR ADDITIONAL BAR STEEL REINFORCEMENT DETAILS AT GIRDER SEATS.

FOR "TYPICAL SECTION THRU BODY", SEE SHEET 8.

SECTION A-A



PLAN

LEGEND

- * ELEVATIONS ARE GIVEN AT THE TOP OF CONCRETE AT THE ℄ OF BEARING.
- ** DIMENSIONS AND ELEVATIONS ARE GIVEN AT THE B.F. OF ABUTMENT. FOR WING DETAILS AND ELEVATIONS, SEE SHEETS 6 & 7.
- ◭ 18" RUBBERIZED MEMBRANE WATERPROOFING. SEAL ALL HORIZONTAL AND VERTICAL JOINTS ON BACK FACE.
- ● KEYED CONST. JOINT FORMED BY A BEVELED 2" x 8".
- ▲ ½" FILLER TO EXTEND AS SHOWN. SEAL ALL EXPOSED HORIZONTAL AND VERTICAL SURFACES OF FILLER WITH NON-STAINING GRAY NON-BITUMINOUS JOINT SEALER (1" DEEP AND HOLD ⅛" BELOW SURFACE OF CONCRETE).
- ■ ¾" CORK FILLER ON VERTICAL BEAM SEAT FACES THAT RUN PARALLEL WITH GIRDER.
- (X) INDICATES WING NUMBER
- ☆ STEEL TROWEL TOP SURFACE OF ABUTMENT. PLACE MULTIPLE LAYERS OF POLYETHYLENE SHEETS OVER ENTIRE ABUTMENT TOP BEFORE PLACING SUPERSTRUCTURE. TOTAL THICKNESS OF SHEETS SHALL BE AT LEAST 0.03".
- ◬ PLACE BOTTOM HALF OF RUBBERIZED MEMBRANE WATERPROOFING HORIZONTAL IN THIS AREA. SEE SECTION A-A ON THIS SHEET.

PILE NOTE

WEST ABUTMENT TO BE SUPPORTED ON PILING CIP 12¾ x 0.50-INCH WITH A REQUIRED DRIVING RESISTANCE OF 210 TONS PER PILE AS DETERMINED BY THE MODIFIED GATES DYNAMIC FORMULA. ESTIMATED 45'-0" LONG. FOR PILE LAYOUT DETAILS, SEE SHEET 5. FOR PILE SPLICE DETAILS, SEE SHEET 8.

NOTE A

A501 BARS SHALL BE SPACED AT 9" CTRS. IN THE OUTSIDE THIRDS OF THE BODY LENGTH AND AT 1'-0" CTRS. IN THE MIDDLE THIRD. SPACE BARS TO MISS PILES. (ONE THIRD OF BODY IS 22'-0"± LONG).

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-18-227

DRAWN BY TAW | PLANS CK'D. TR

WEST ABUTMENT

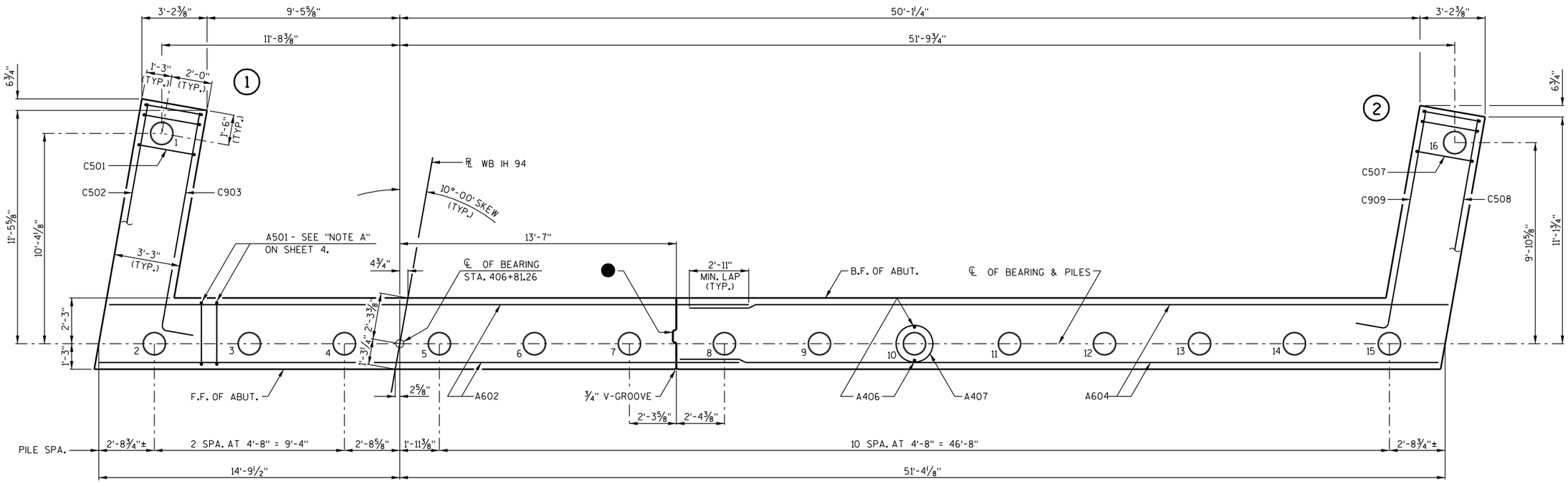
SHEET 4 OF 25
749

FILE NAME : P:\159 I-94 - C&DW Hill\B-18-227 dgn\04_wabut1.b-18-227.dgn
PLOT DATE : 11/20/2012

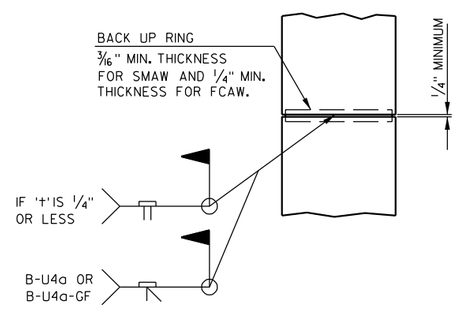
8

8

STATE PROJECT NUMBER
1022-08-73

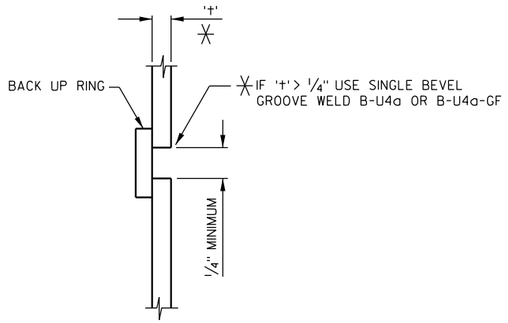


PILE PLAN

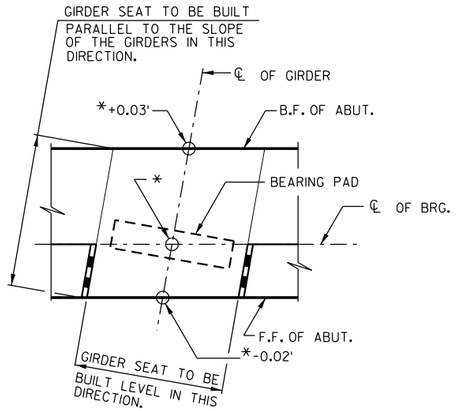


PILE SPLICE DETAIL

NOTE: CAST-IN-PLACE PILE SHELL MATERIAL SHALL BE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS.



C.I.P. PILE WELD DETAIL



GIRDER SEAT DETAIL

LEGEND

(X) ● * FOR SYMBOL DESCRIPTION, SEE SHEET 4.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-18-227

DRAWN BY TAW | PLANS CK'D. TR

WEST ABUTMENT

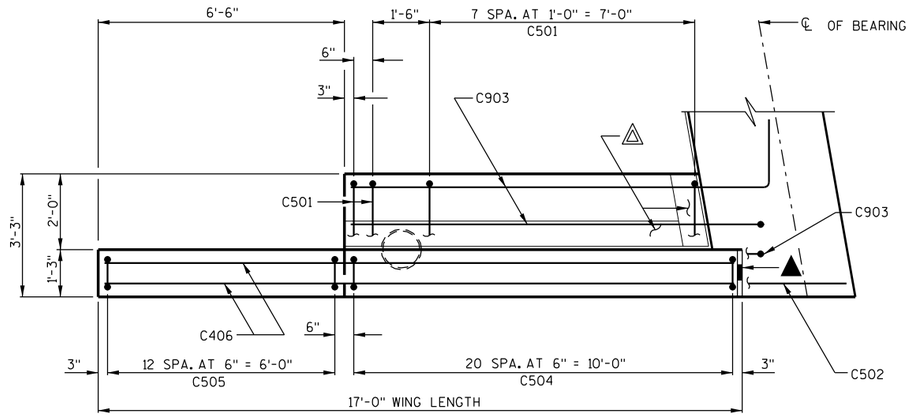
SHEET 5 OF 25
750

FILE NAME : P:\159 I-94 - CHPM H\11\B-18-227 dgn\05_wabut2_b-18-227.dgn
PLOT DATE : 11/20/2012

8

8

STATE PROJECT NUMBER
1022-08-73



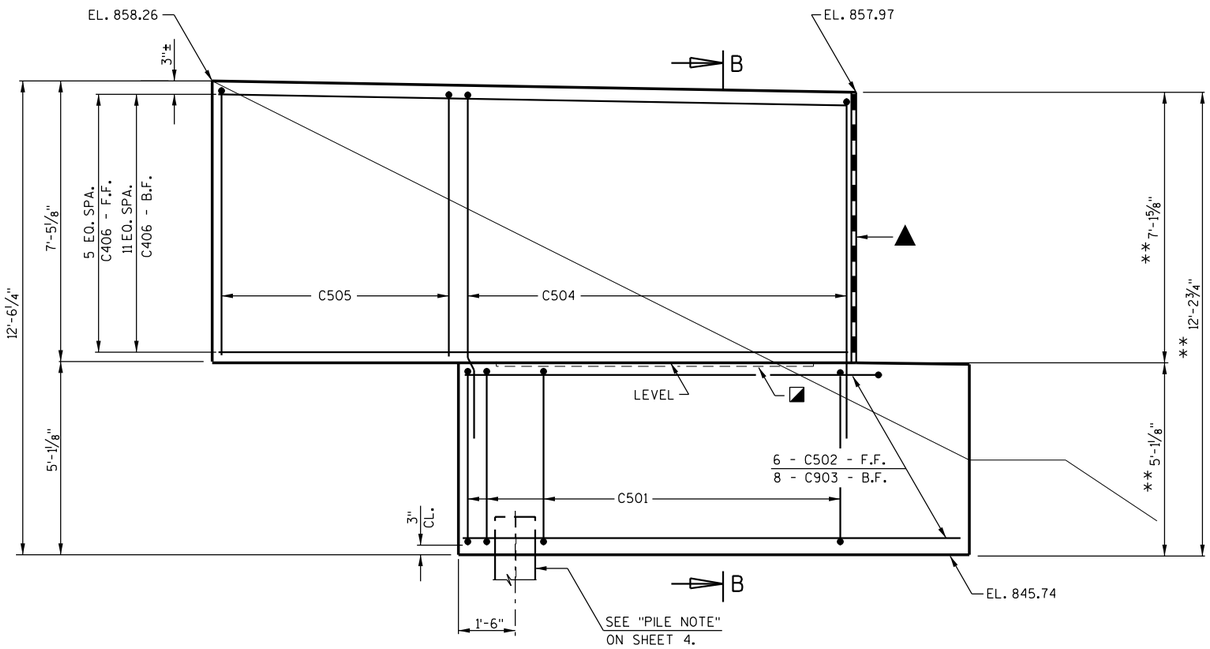
PLAN - WING 1

LEGEND

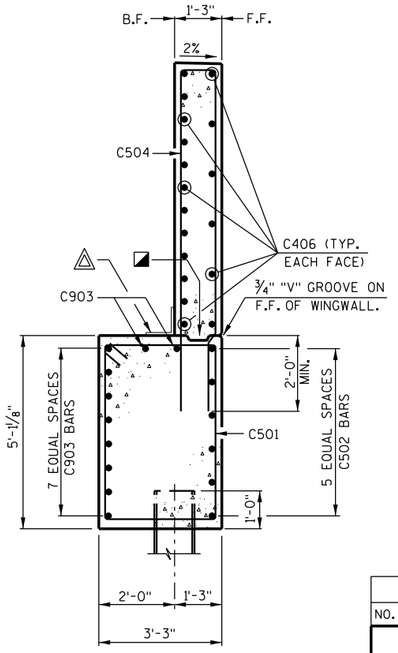
** DIMENSIONS AND ELEVATIONS ARE GIVEN AT THE B.F. OF ABUTMENT.

◪ OPTIONAL CONST. JOINT FORMED BY BEVELED 2" x 6" KEYWAY WITH MEMBRANE ON BACKFACE.

▲ △ FOR SYMBOL DESCRIPTIONS, SEE SHEET 4.



ELEVATION - WING 1



SECTION B-B

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-18-227

DRAWN BY TAW | PLANS CK'D. TR

WING 1

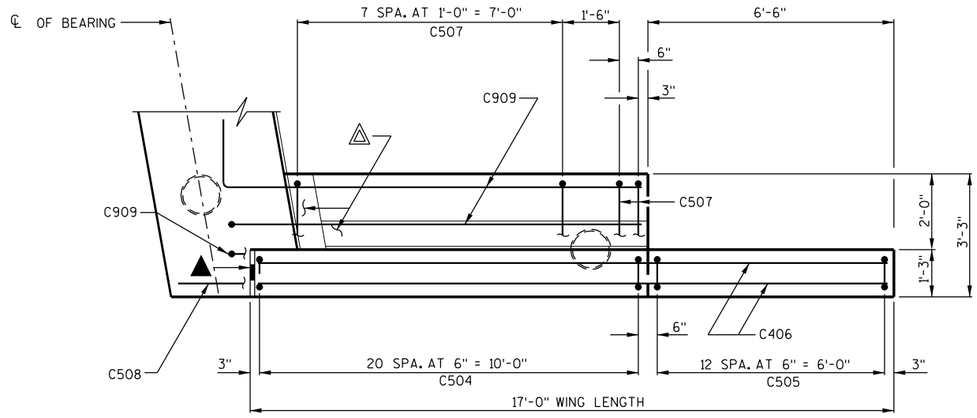
SHEET 6 OF 25
751

FILE NAME : P:\159 I-94 - CMCW Hill\B-18-227 dgn\06_wing1_b-18-227.dgn
PLOT DATE : 11/20/2012

8

8

STATE PROJECT NUMBER
1022-08-73



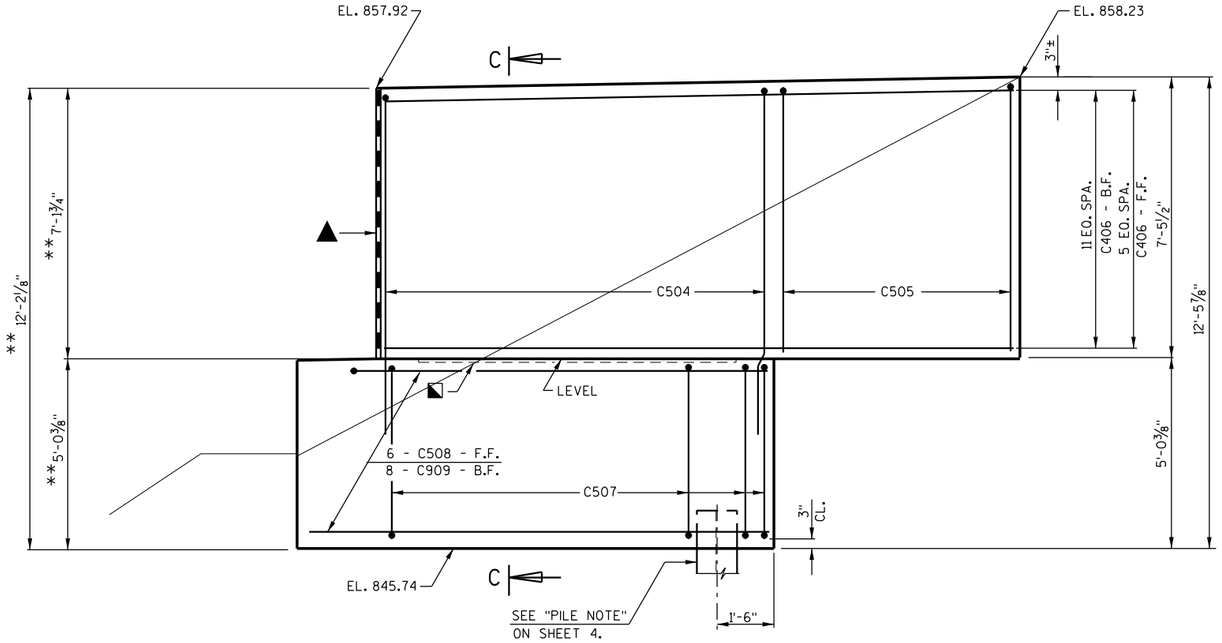
PLAN - WING 2

LEGEND

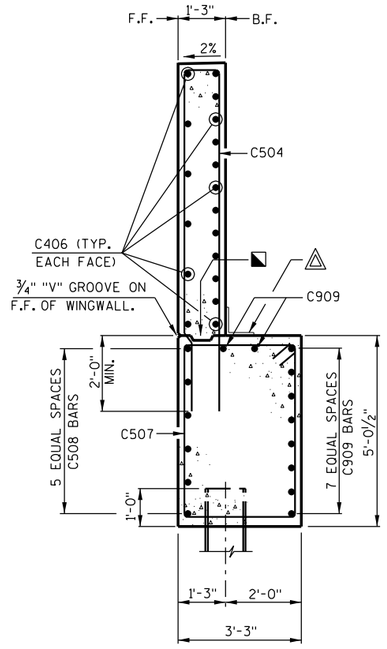
** DIMENSIONS AND ELEVATIONS ARE GIVEN AT THE B.F. OF ABUTMENT.

◪ OPTIONAL CONST. JOINT FORMED BY BEVELED 2" x 6" KEYWAY WITH MEMBRANE ON BACKFACE.

▲ △ FOR SYMBOL DESCRIPTIONS, SEE SHEET 4.



ELEVATION - WING 2



SECTION C-C

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-18-227

DRAWN BY TAW | PLANS CK'D. TR

WING 2

SHEET 7 OF 25
752

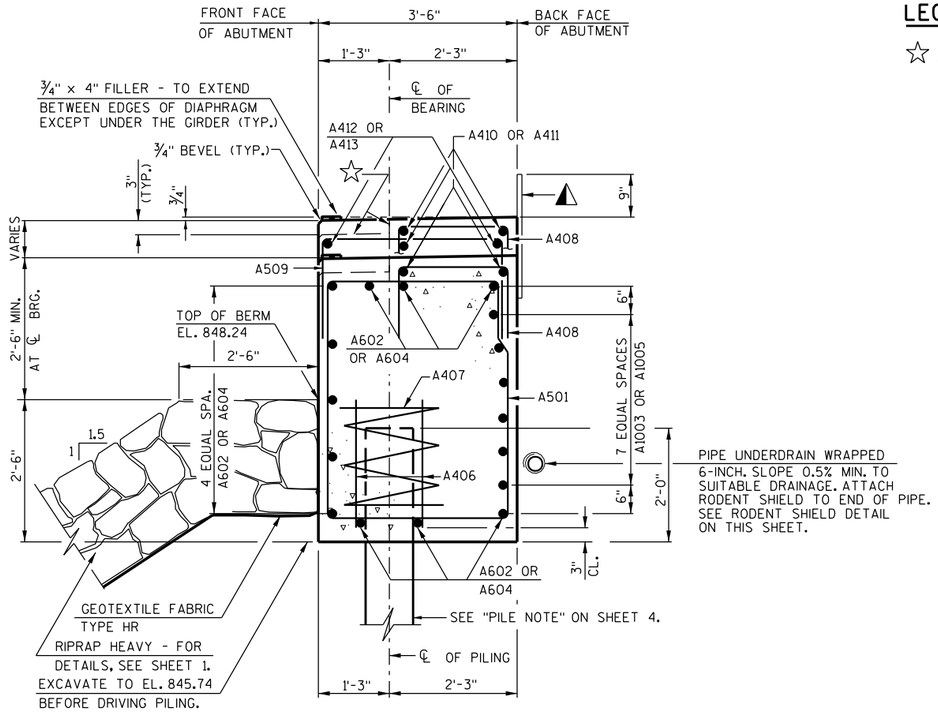
FILE NAME : P:\159 I-94 - CKEM Hill\B-18-227 dgn\07_wing2_b-18-227.dgn
PLOT DATE : 11/20/2012

8

8

STATE PROJECT NUMBER

1022-08-73



PIPE UNDERDRAIN WRAPPED
6-INCH. SLOPE 0.5% MIN. TO SUITABLE DRAINAGE. ATTACH RODENT SHIELD TO END OF PIPE. SEE RODENT SHIELD DETAIL ON THIS SHEET.

TYPICAL SECTION THRU BODY

(LOOKING SOUTH)

LEGEND

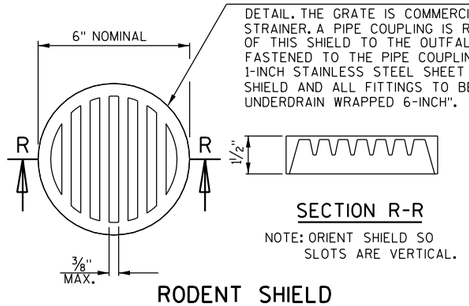
☆ ◭ FOR SYMBOL DESCRIPTIONS, SEE SHEET 4.

BILL OF BARS

DIMENSIONS IN BENDING DETAILS ARE OUT TO OUT OF BAR.

MARK	NO. REQ'D.	LENGTH	BENT	BAR SERIES	LOCATION
UNCOATED BARS					TOTAL WEIGHT = 5,790 LBS.
A501	82	15-7	X		BODY - STIRRUPS VERT.
A602	11	31-6			BODY - TOP, BOTTOM & F.F. HORIZ.
A1003	8	38-3	X		BODY - B.F. HORIZ.
A604	11	37-3			BODY - TOP, BOTTOM & F.F. HORIZ.
A1005	8	38-6	X		BODY - B.F. HORIZ.
A406	28	2-3			BODY - AT PILES - 2 PER PILE VERT.
A407	14	28-0	X		BODY - AT PILES - 1 PER PILE - SPIRAL WRAP VERT.
A408	45	5-3	X		BODY - TOP - AT GIRDERS 1 THRU 7 VERT.
A509	14	5-11	X		BODY - TOP - AT GIRDERS 4 & 5 VERT.
A410	2	30-3			BODY - TOP - AT GIRDERS 1 THRU 4 HORIZ.
A411	2	37-6			BODY - TOP - AT GIRDERS 5 THRU 7 HORIZ.
A412	3	9-11			BODY - TOP - GIRDER 5 HORIZ.
A413	3	7-5			BODY - TOP - GIRDER 4 HORIZ.
EPOXY COATED BARS					TOTAL WEIGHT = 2,960 LBS.
C501	10	15-9	X		WING 1 - STIRRUPS VERT.
C502	6	12-11			WING 1 - BOTTOM - F.F. HORIZ.
C903	10	12-3	X		WING 1 - BOTTOM - B.F. & TOP HORIZ.
C504	42	19-0	X		WINGS 1 & 2 - F.F. & B.F. VERT.
C505	26	14-8	X		WINGS 1 & 2 - F.F. & B.F. VERT.
C406	36	16-8			WINGS 1 & 2 - F.F. & B.F. HORIZ.
C507	10	15-7	X		WING 2 - STIRRUPS VERT.
C508	6	12-1			WING 2 - BOTTOM - F.F. HORIZ.
C909	10	12-6	X		WING 2 - BOTTOM - B.F. & TOP HORIZ.

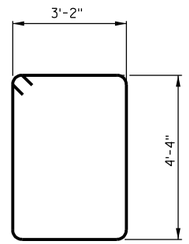
THE RODENT SHIELD SHALL BE A PVC GRATE SIMILAR TO THIS DETAIL. THE GRATE IS COMMERCIALLY AVAILABLE AS A FLOOR STRAINER. A PIPE COUPLING IS REQUIRED FOR THE ATTACHMENT OF THIS SHIELD TO THE OUTFALL PIPE. THE SHIELD SHALL BE FASTENED TO THE PIPE COUPLING WITH TWO OR MORE NO. 10 x 1-INCH STAINLESS STEEL SHEET METAL SCREWS. COST OF RODENT SHIELD AND ALL FITTINGS TO BE INCLUDED IN BID ITEM "PIPE UNDERDRAIN WRAPPED 6-INCH".



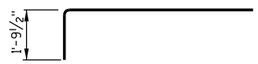
SECTION R-R

NOTE: ORIENT SHIELD SO SLOTS ARE VERTICAL.

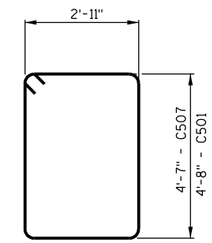
RODENT SHIELD

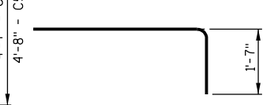


A501

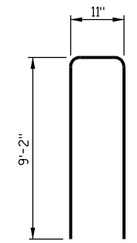


A1003 & A1005

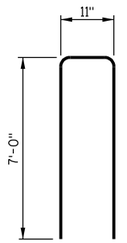




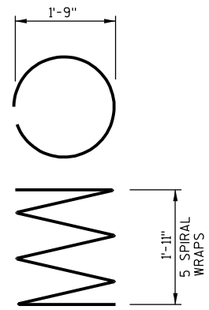
C501 & C507 C903 & C909



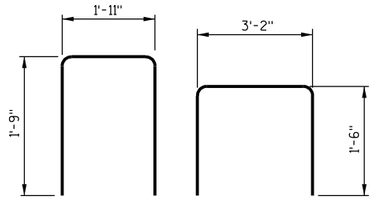
C504



C505



A407



A408 A509

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-18-227

DRAWN BY TAW | PLANS CK'D. TR

WEST ABUTMENT DETAILS

SHEET 8 OF 25
753

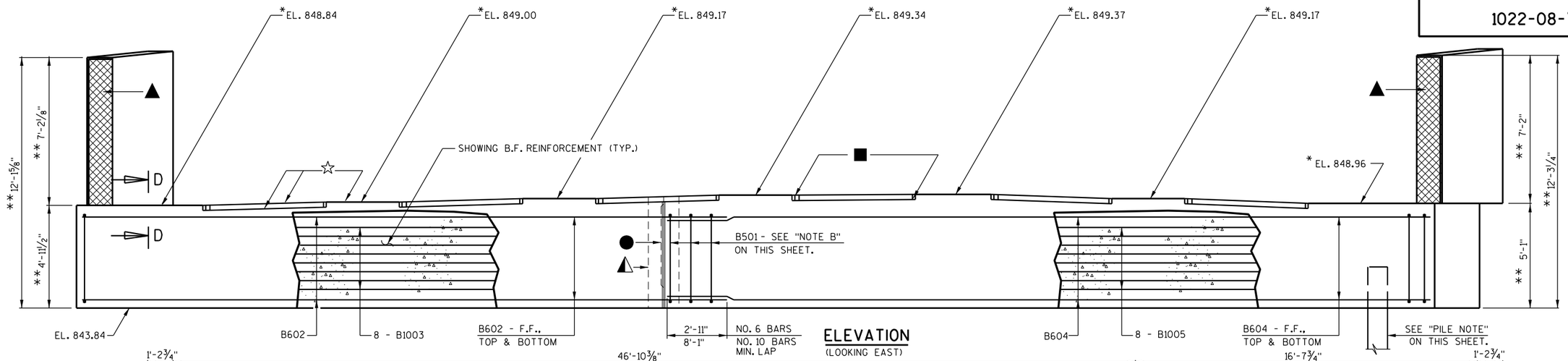
8

8

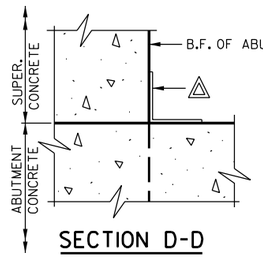
FILE NAME : P:\159 I-94 - CROW HILL\B-18-227 dgn\08 wabutdet.b-18-227.dgn
PLOT DATE : 11/20/2012

STATE PROJECT NUMBER

1022-08-73



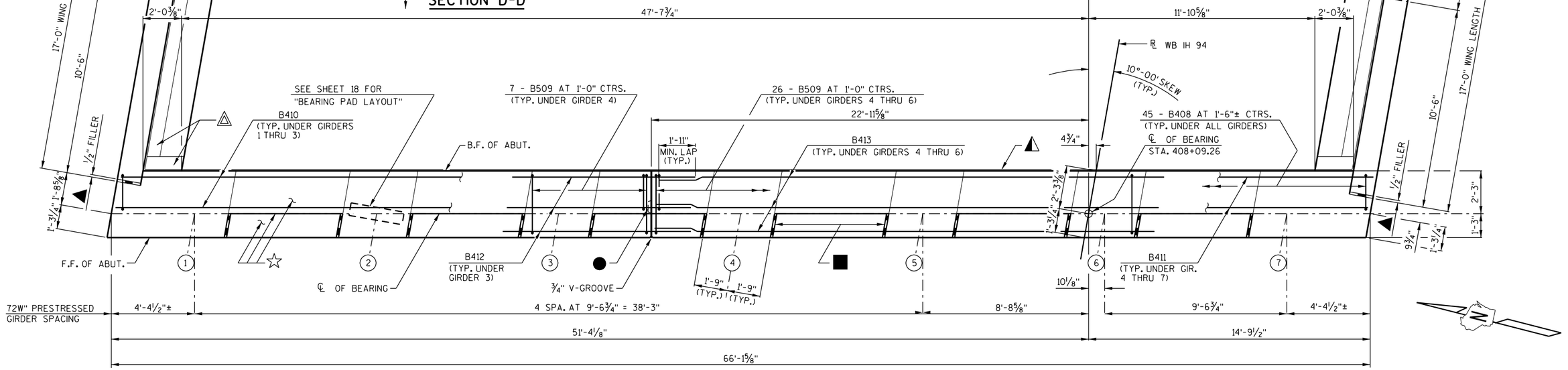
ELEVATION
(LOOKING EAST)



SECTION D-D

NOTES: SEE "PLAN" VIEW AND "TYPICAL SECTION THRU BODY" ON SHEET 13 FOR ADDITIONAL BAR STEEL REINFORCEMENT DETAILS AT GIRDER SEATS.

FOR "TYPICAL SECTION THRU BODY", SEE SHEET 13.



PLAN

LEGEND

- * ELEVATIONS ARE GIVEN AT THE TOP OF CONCRETE AT THE ℄ OF BEARING.
- ** DIMENSIONS AND ELEVATIONS ARE GIVEN AT THE B.F. OF ABUTMENT. FOR WING DETAILS AND ELEVATIONS, SEE SHEETS 11 & 12.
- ◭ 18" RUBBERIZED MEMBRANE WATERPROOFING. SEAL ALL HORIZONTAL AND VERTICAL JOINTS ON BACK FACE.
- ● KEYED CONST. JOINT FORMED BY A BEVELED 2" x 8".
- ▲ ½" FILLER TO EXTEND AS SHOWN. SEAL ALL EXPOSED HORIZONTAL AND VERTICAL SURFACES OF FILLER WITH NON-STAINING GRAY NON-BITUMINOUS JOINT SEALER (1" DEEP AND HOLD ⅛" BELOW SURFACE OF CONCRETE).
- ■ ¾" CORK FILLER ON VERTICAL BEAM SEAT FACES THAT RUN PARALLEL WITH GIRDER.
- (X) INDICATES WING NUMBER
- ☆ STEEL TROWEL TOP SURFACE OF ABUTMENT. PLACE MULTIPLE LAYERS OF POLYETHYLENE SHEETS OVER ENTIRE ABUTMENT TOP BEFORE PLACING SUPERSTRUCTURE. TOTAL THICKNESS OF SHEETS SHALL BE AT LEAST 0.03".
- ◬ PLACE BOTTOM HALF OF RUBBERIZED MEMBRANE WATERPROOFING HORIZONTAL IN THIS AREA. SEE SECTION D-D ON THIS SHEET.

PILE NOTE

EAST ABUTMENT TO BE SUPPORTED ON PILING CIP 12¾ x 0.50-INCH WITH A REQUIRED DRIVING RESISTANCE OF 210 TONS PER PILE AS DETERMINED BY THE MODIFIED GATES DYNAMIC FORMULA. ESTIMATED 65'-0" LONG. FOR PILE LAYOUT DETAILS, SEE SHEET 10. FOR PILE SPLICE DETAILS, SEE SHEET 8.

NOTE B

B501 BARS SHALL BE SPACED AT 9" CTRS. IN THE OUTSIDE THIRDS OF THE BODY LENGTH AND AT 1'-0" CTRS. IN THE MIDDLE THIRD. SPACE BARS TO MISS PILES. (ONE THIRD OF BODY IS 22'-0"± LONG).

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-18-227

DRAWN BY TAW | PLANS CK'D. TR

EAST ABUTMENT

SHEET 9 OF 25
754

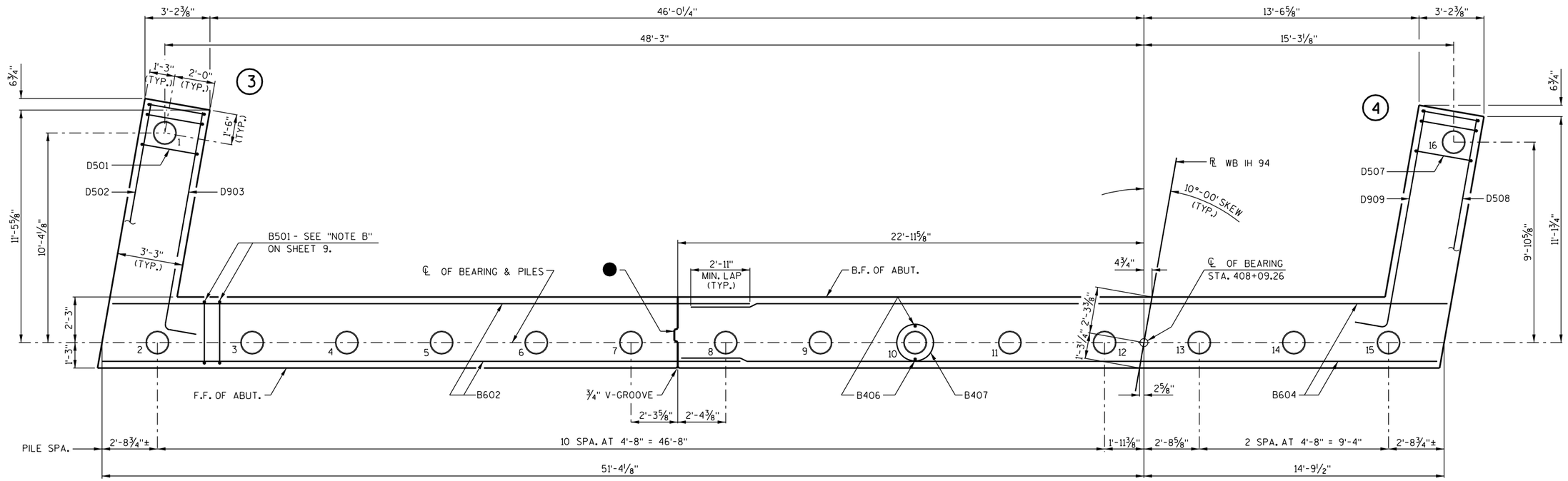
FILE NAME : P:\159 I-94 - CKDW Hill\B-18-227 dgn\09_eabut1.b-18-227.dgn
PLOT DATE : 11/20/2012

8

8

STATE PROJECT NUMBER

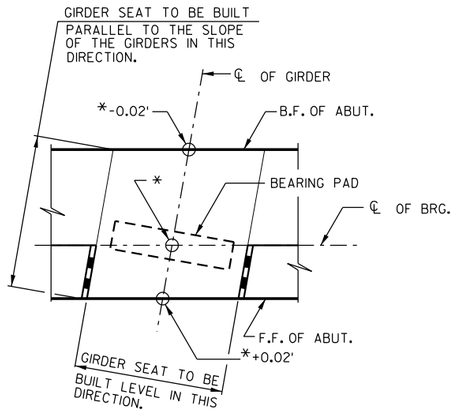
1022-08-73



PILE PLAN

LEGEND

(X) ● * FOR SYMBOL DESCRIPTION, SEE SHEET 9.



GIRDER SEAT DETAIL

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-18-227

DRAWN BY TAW | PLANS CK'D. TR

EAST ABUTMENT

SHEET 10 OF 25
755

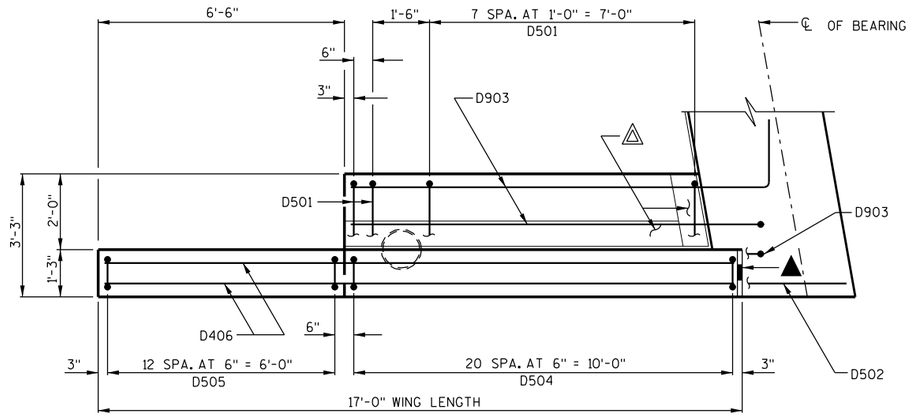
FILE NAME : P:\159 I-94 - CHDM Hill\B-18-227 dgn\10.eabut2.b-18-227.dgn
PLOT DATE : 11/20/2012

8

8

STATE PROJECT NUMBER

1022-08-73



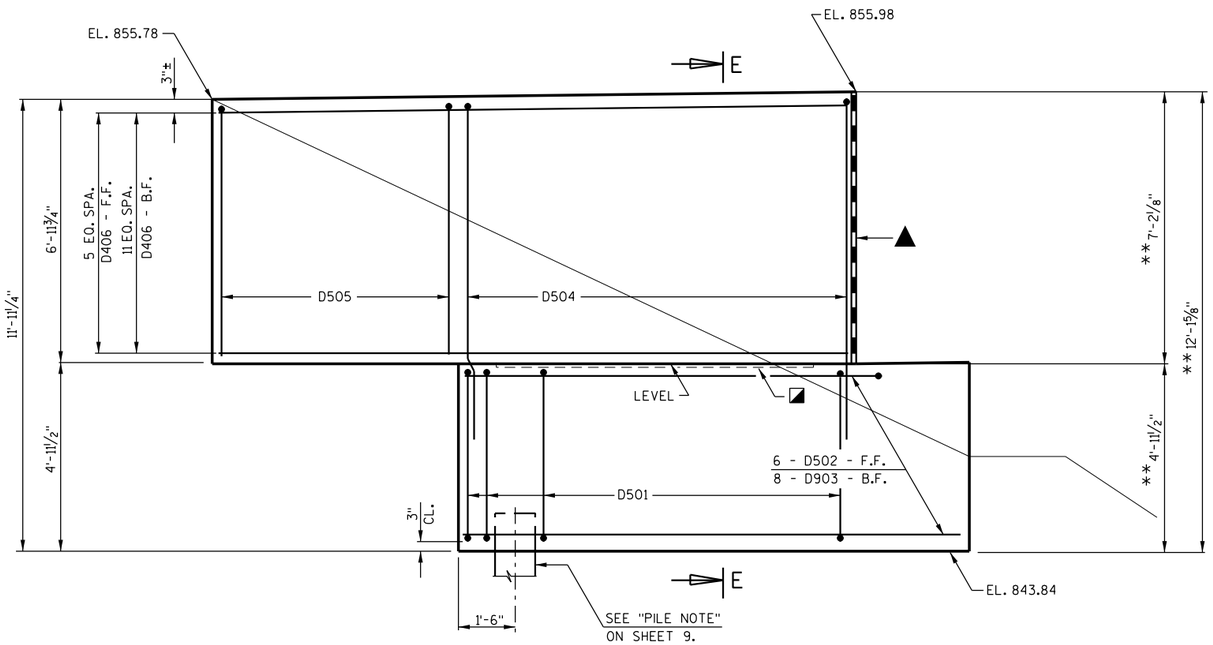
PLAN - WING 3

LEGEND

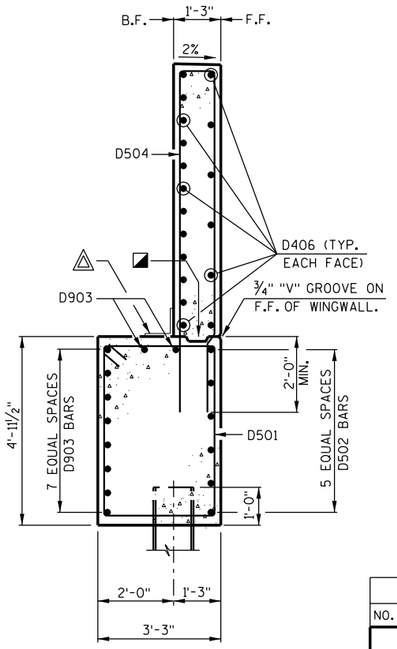
** DIMENSIONS AND ELEVATIONS ARE GIVEN AT THE B.F. OF ABUTMENT.

◪ OPTIONAL CONST. JOINT FORMED BY BEVELED 2" x 6" KEYWAY WITH MEMBRANE ON BACKFACE.

▲ △ FOR SYMBOL DESCRIPTIONS, SEE SHEET 9.



ELEVATION - WING 3



SECTION E-E

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-18-227

DRAWN BY TAW | PLANS CK'D. TR

WING 3

SHEET 11 OF 25
756

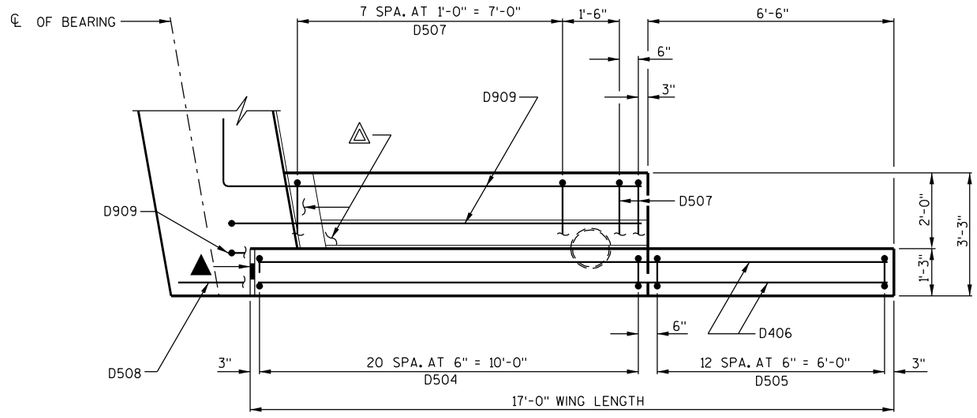
FILE NAME : P:\159 I-94 - GRDM Hills\B-18-227 dgn\11_wing3_b-18-227.dgn
PLOT DATE : 11/20/2012

8

8

STATE PROJECT NUMBER

1022-08-73



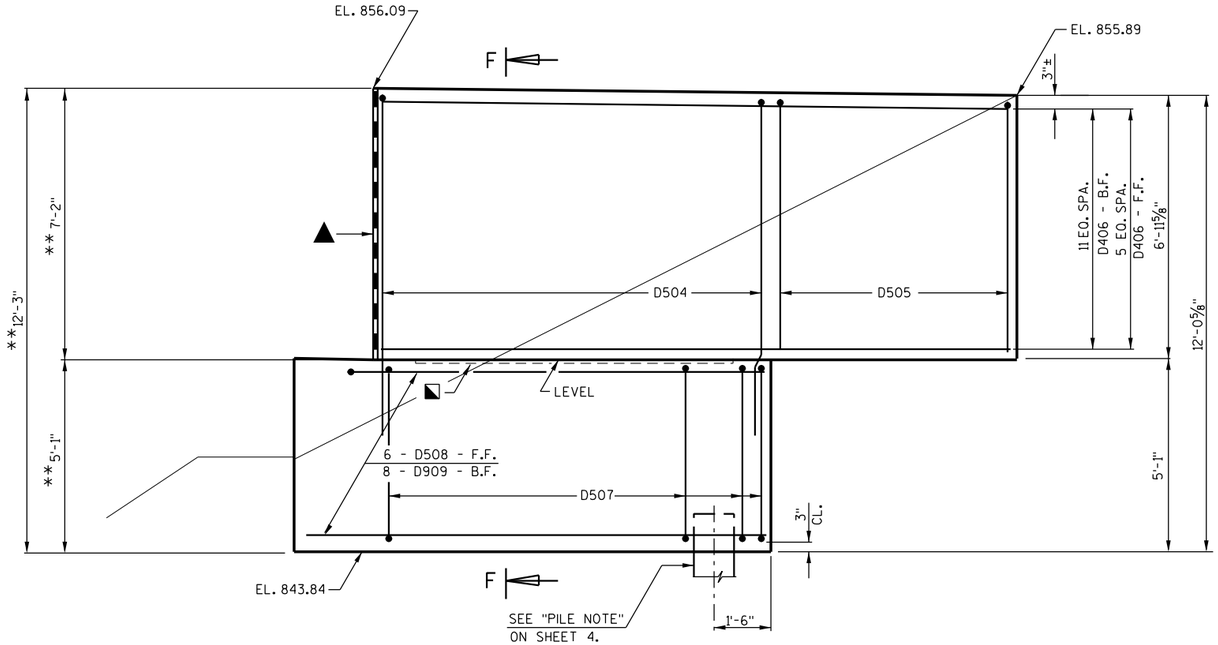
PLAN - WING 4

LEGEND

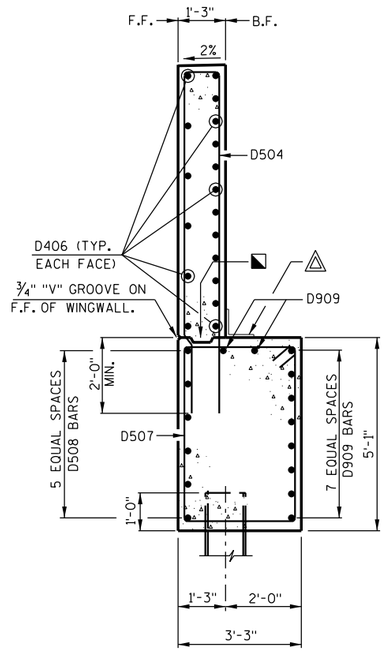
** DIMENSIONS AND ELEVATIONS ARE GIVEN AT THE B.F. OF ABUTMENT.

◪ OPTIONAL CONST. JOINT FORMED BY BEVELED 2" x 6" KEYWAY WITH MEMBRANE ON BACKFACE.

▲ △ FOR SYMBOL DESCRIPTIONS, SEE SHEET 9.



ELEVATION - WING 4



SECTION F-F

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-18-227

DRAWN BY TAW | PLANS CK'D. TR

WING 4

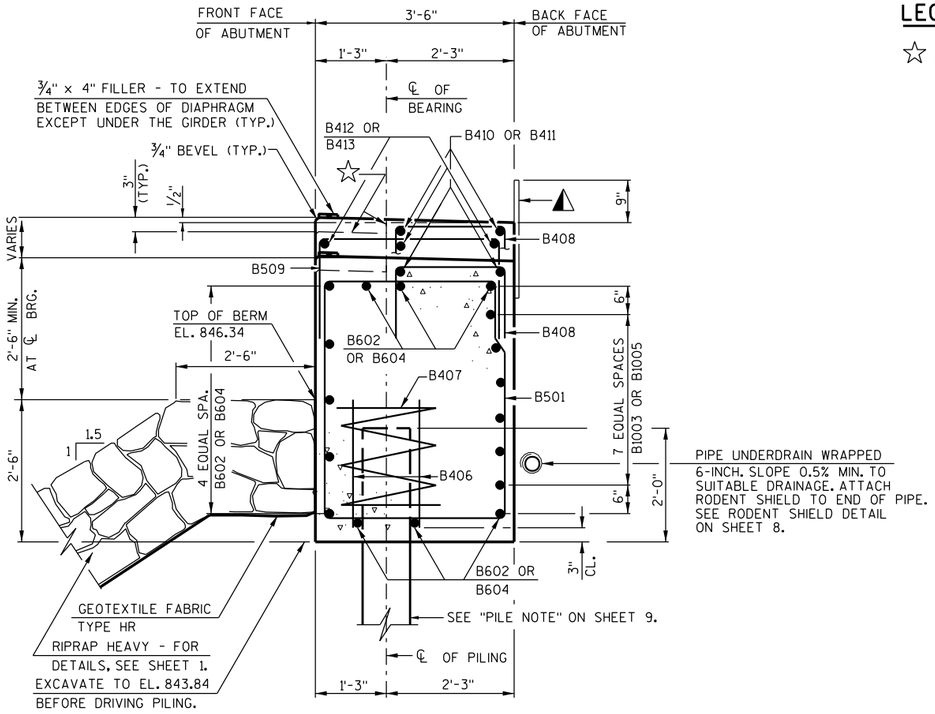
SHEET 12 OF 25
757

FILE NAME : P:\159 I-94 - GRDM Hill\B-18-227 dgn\12_wing4_b-18-227.dgn
PLOT DATE : 11/20/2012

8

8

STATE PROJECT NUMBER
1022-08-73



TYPICAL SECTION THRU BODY
(LOOKING NORTH)

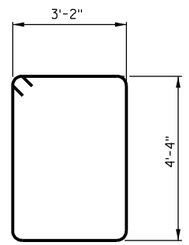
LEGEND

☆ ◭ FOR SYMBOL DESCRIPTIONS, SEE SHEET 9.

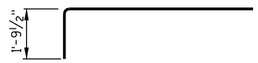
BILL OF BARS

DIMENSIONS IN BENDING DETAILS ARE OUT TO OUT OF BAR.

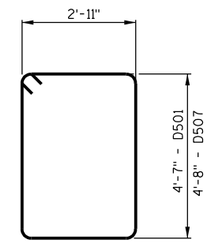
MARK	NO. REQ'D.	LENGTH	BENT	BAR SERIES	LOCATION	
UNCOATED BARS						TOTAL WEIGHT = 5,960 LBS.
B501	82	15-7	X		BODY - STIRRUPS	VERT.
B602	11	31-6			BODY - TOP, BOTTOM & F.F.	HORIZ.
B1003	8	38-3	X		BODY - B.F.	HORIZ.
B604	11	37-3			BODY - TOP, BOTTOM & F.F.	HORIZ.
B1005	8	38-6	X		BODY - B.F.	HORIZ.
B406	28	2-3			BODY - AT PILES - 2 PER PILE	VERT.
B407	14	28-0	X		BODY - AT PILES - 1 PER PILE - SPIRAL WRAP	VERT.
B408	45	5-5	X		BODY - TOP - AT GIRDERS 1 THRU 7	VERT.
B509	33	6-1	X		BODY - TOP - AT GIRDERS 3 THRU 6	VERT.
B410	2	30-3			BODY - TOP - AT GIRDERS 1 THRU 3	HORIZ.
B411	2	37-6			BODY - TOP - AT GIRDERS 4 THRU 7	HORIZ.
B412	3	9-11			BODY - TOP - GIRDER 3	HORIZ.
B413	3	26-8			BODY - TOP - GIRDERS 4 THRU 6	HORIZ.
EPOXY COATED BARS						TOTAL WEIGHT = 2,920 LBS.
D501	10	15-7	X		WING 3 - STIRRUPS	VERT.
D502	6	12-11			WING 3 - BOTTOM - F.F.	HORIZ.
D903	10	12-3	X		WING 3 - BOTTOM - B.F. & TOP	HORIZ.
D504	42	18-8	X		WINGS 3 & 4 - F.F. & B.F.	VERT.
D505	26	13-10	X		WINGS 3 & 4 - F.F. & B.F.	VERT.
D406	36	16-8			WINGS 3 & 4 - F.F. & B.F.	HORIZ.
D507	10	15-9	X		WING 4 - STIRRUPS	VERT.
D508	6	12-1			WING 4 - BOTTOM - F.F.	HORIZ.
D909	10	12-6	X		WING 4 - BOTTOM - B.F. & TOP	HORIZ.



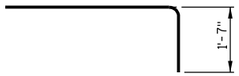
B501



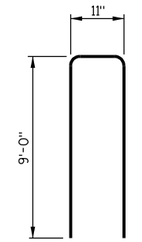
B1003 & B1005



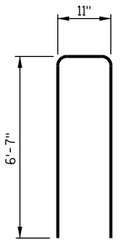
D501 & D507



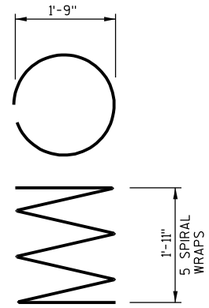
D903 & D909



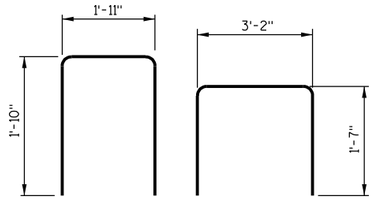
D504



D505



B407



B408 B509

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-18-227

DRAWN BY TAW | PLANS CK'D. TR

EAST ABUTMENT DETAILS

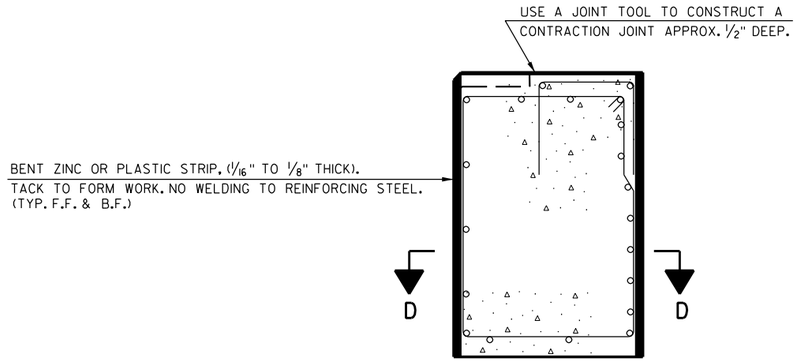
SHEET 13 OF 25
758

8

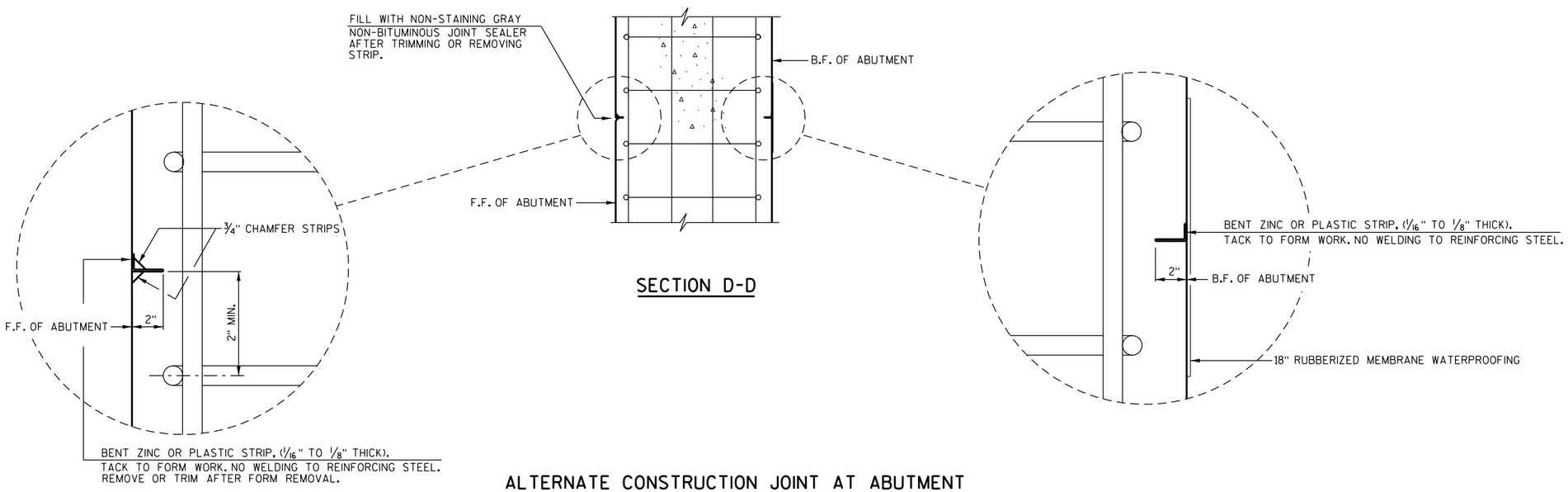
8

FILE NAME : P:\159 I-94 - CH2M Hill\B-18-227 dgn\13.eabutdet.b-18-227.dgn
PLOT DATE : 11/20/2012

STATE PROJECT NUMBER
1022-08-73



SECTION THRU ABUTMENT BODY



SECTION D-D

ALTERNATE CONSTRUCTION JOINT AT ABUTMENT

FILE NAME : P:\159 I-94 - CHDW Hill\B-18-227 dgn\14_altconstjt_b-18-227.dgn
PLOT DATE : 10/16/2012

8

8

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-18-227

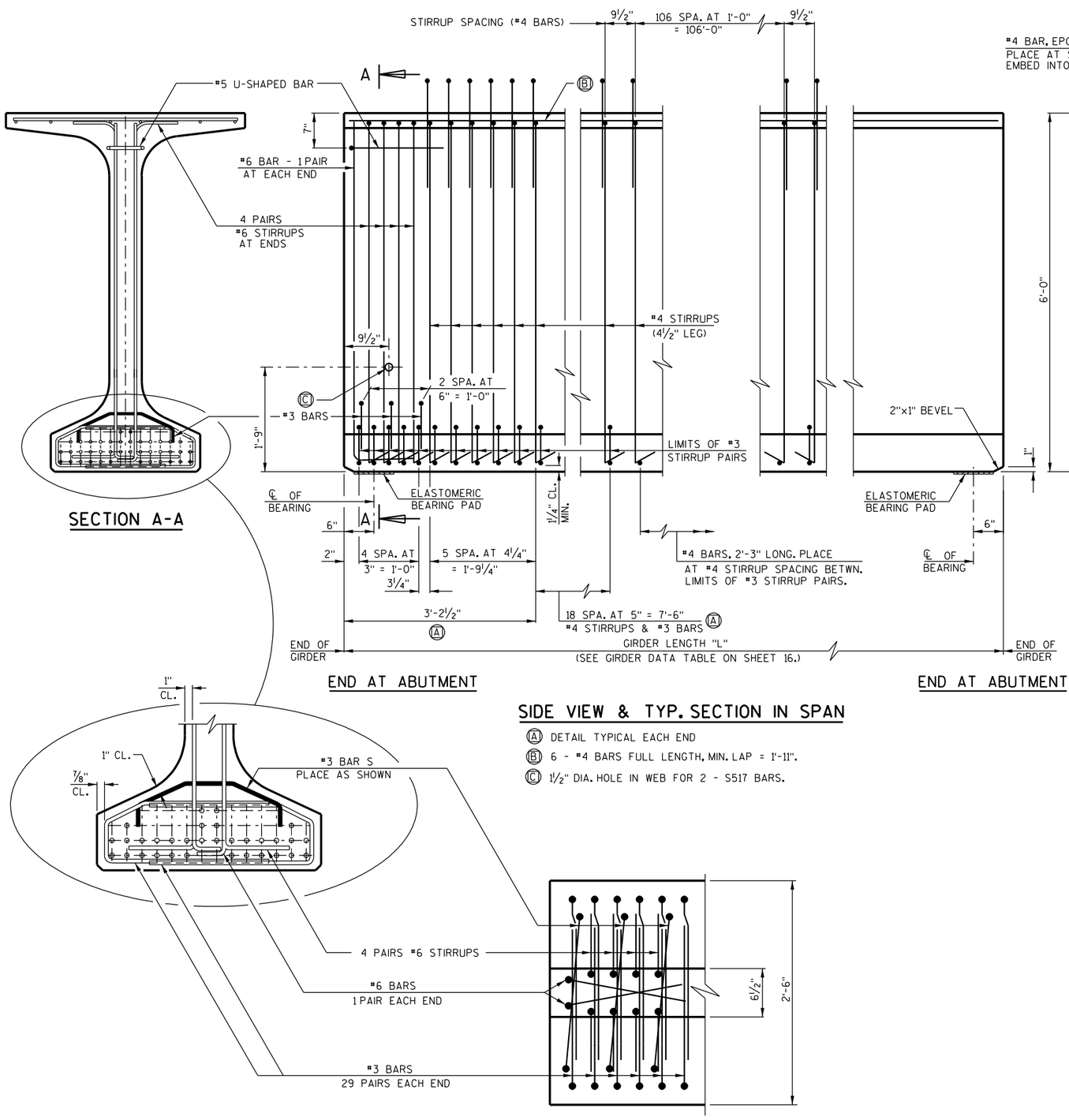
DRAWN BY TAW | PLANS CK'D. TR

ALTERNATE CONSTRUCTION JOINT

SHEET 14 OF 25
759

STATE PROJECT NUMBER

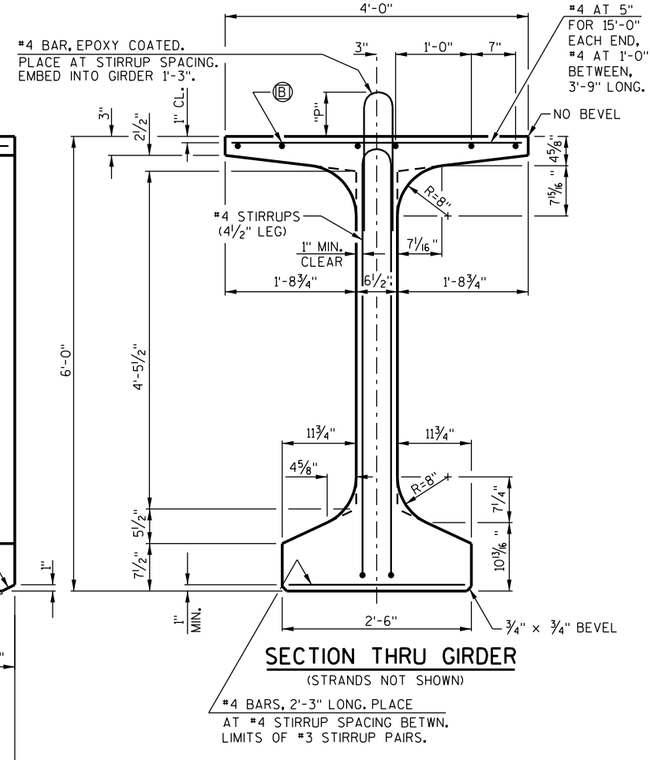
1022-08-73



SECTION A-A

END AT ABUTMENT

END AT ABUTMENT



SECTION THRU GIRDER

(STRANDS NOT SHOWN)

#4 BARS, 2'-3" LONG. PLACE AT #4 STIRRUP SPACING BETWN. LIMITS OF #3 STIRRUP PAIRS.

NOTES: FOR GIRDER DATA AND STRAND PATTERN DETAILS, SEE SHEET 16.

FOR DIMENSION "P", SEE GIRDER DATA TABLE ON SHEET 16.

GIRDER NOTES

TOP OF GIRDER TO BE ROUGH FLOATED AND BROOMED TRANSVERSELY EXCEPT THE OUTSIDE 8" OF GIRDER, WHICH SHALL RECEIVE A SMOOTH FINISH. AN APPROVED CONCRETE SEALER SHALL BE APPLIED TO ALL SMOOTH SURFACES INCLUDING THE OUTSIDE 15" OF THE TOP FLANGE.

DO NOT APPLY CONCRETE SEALER TO SURFACES RECEIVING APPLICATION OF CONCRETE STAINING.

THE GIRDERS SHALL BE PROVIDED WITH A SUITABLE LIFTING DEVICE FOR HANDLING AND ERECTING THE GIRDERS.

STRANDS SHALL BE FLUSH WITH THE END OF GIRDER. FOR GIRDER ENDS EMBEDDED COMPLETELY IN CONCRETE, ENDS OF STRANDS SHALL BE COATED WITH NON-BITUMINOUS JOINT SEALER. FOR GIRDER ENDS THAT ARE FINALLY EXPOSED, COAT THE GIRDER ENDS, EXPOSED STRAND ENDS AND ALL NON-BONDING SURFACES WITHIN 2 FEET OF THE GIRDER ENDS WITH A NON-PIGMENTED EPOXY CONFORMING TO AASHTO M-235 TYPE III, CLASS B OR C. THE EPOXY SHALL BE APPLIED AT LEAST 3 DAYS AFTER MOIST CURING HAS CEASED AND PRIOR TO APPLICATION OF THE SEALER.

ALL GIRDERS SHALL BE CAST FULL LENGTH AS SHOWN.

SPACING SHOWN FOR #4 STIRRUPS IS FOR GRADE 60 REINFORCEMENT. IF THE FABRICATOR WANTS TO BUILD A BAR STEEL CAGE BY WELDING LONGITUDINAL REINFORCEMENT TO THE #4 STIRRUPS, ONE OPTION IS AVAILABLE:

USE ASTM A706, GRADE 60 REINFORCEMENT AND THE STIRRUP SPACING AS SHOWN ON THE PLANS.

AN ALTERNATE EQUIVALENT OF WELDED WIRE FABRIC (WWF) ASTM A497 MAY BE SUBSTITUTED FOR THE STIRRUP REINFORCEMENT SHOWN, UPON APPROVAL OF THE STRUCTURES DEVELOPMENT SECTION.

PRESTRESSING STRANDS SHALL BE 0.6" DIA.-7 WIRE LOW-RELAXATION STRANDS WITH AN ULTIMATE STRENGTH OF 270,000 psi.

FOR DIAPHRAGM INSERT & CONNECTION DETAILS SEE "INTERMEDIATE STEEL DIAPHRAGM" SHEET.

SIDE VIEW & TYP. SECTION IN SPAN

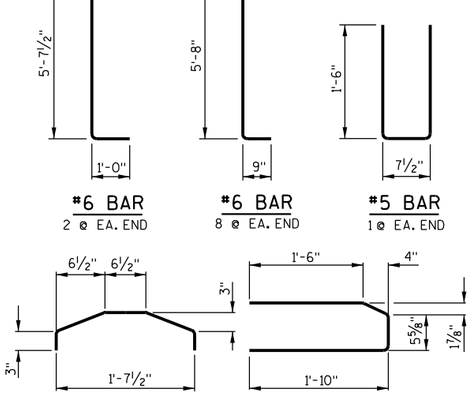
Ⓐ DETAIL TYPICAL EACH END

Ⓑ 6 - #4 BARS FULL LENGTH, MIN. LAP = 1'-11".

Ⓒ 1½" DIA. HOLE IN WEB FOR 2 - S517 BARS.

BOTTOM FLANGE

(TYP. EACH END)



NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-18-227

DRAWN BY TAW | PLANS CK'D. TR

72W" PRESTRESSED GIRDER DETAILS

SHEET 15 OF 25

760

8

8

FILE NAME : P:\159 I-94 - CHDM Hill\B-18-227 dgn\15_72Wgr1.b-18-227.dgn
PLOT DATE : 11/20/2012

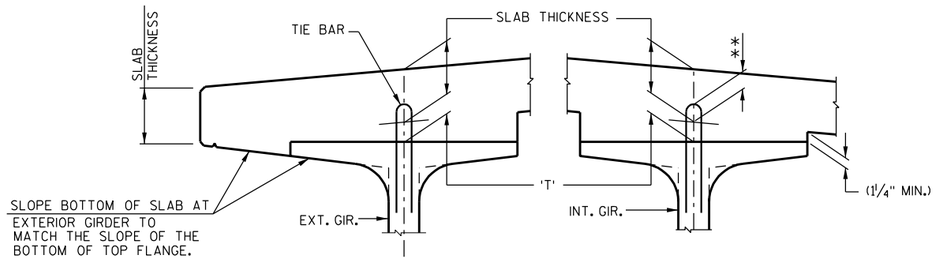
STATE PROJECT NUMBER

1022-08-73

GIRDER DATA

SPAN	GIRDER	GIRDER LENGTH "L"	DEAD LOAD DEFL. (IN.) 1/10	2/10	3/10	4/10	5/10	6/10	7/10	8/10	9/10	CONC. STRGTH. f'c (p.s.i.)	"P" 1st 1/3 OF GIRDER	"P" MID 1/3 OF GIRDER	"P" END 1/3 OF GIRDER	DIA. OF STRAND (IN.)	DRAPED PATTERN TOTAL NO. OF STRANDS	f'ci (P.S.I.) *	(IN.) "A"	"B" MIN.	"B" MAX.	"C"	UNDRAPED PATTERN TOTAL NO. OF STRANDS	f'ci (P.S.I.) *
1	1 - 7	129'-0"	5/8"	1 1/8"	1 1/2"	1 3/4"	1 7/8"	1 3/4"	1 1/2"	1 1/8"	5/8"	8000	8 1/2"	7 1/2"	8 1/2"	0.60	38	6800	67"	20 1/2"	23 1/2"	5"		

* MINIMUM CYLINDER STRENGTH OF CONCRETE AT THE TIME OF TRANSFER OF PRESTRESS FORCE.



SLAB HAUNCH DETAIL

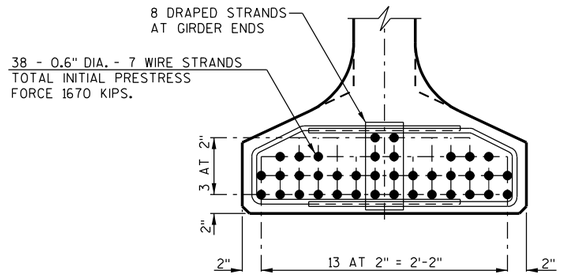
IF 1 1/4" MINIMUM HAUNCH HEIGHT AT EDGE OF GIRDER CANNOT BE MAINTAINED, THE GRADE LINE MAY BE REVISED BY THE ENGINEER AT THE OPTION OF THE CONTRACTOR, THE PLAN SLAB THICKNESS SHALL BE HELD. NOTIFY THE STRUCTURES SECTION IF THE GRADE LINE IS RAISED FROM THE PLAN PROFILE BY MORE THAN 1/2" OR,

** IF 3" MINIMUM DECK EMBEDMENT OF TIE BAR CANNOT BE OBTAINED.

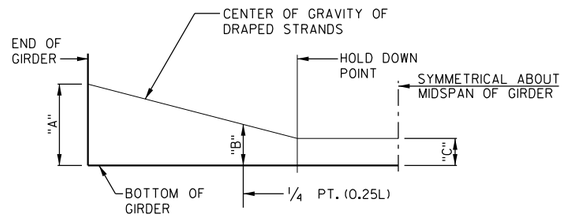
TO DETERMINE 'T', ELEV. OF TOP OF GIR'S. AT ℄ OF SUBSTRUCTURE UNITS & AT 1/10 POINTS OF EACH SPAN SHALL BE TAKEN. THEN FOLLOW THIS PROCESS:

TOP OF DECK ELEV. AT FINAL GRADE
- TOP OF GIRDER ELEVATION
+ DEAD LOAD DEFLECTION
- SLAB THICKNESS
= HAUNCH HEIGHT 'T'

NOTE: AN AVERAGE HAUNCH ('T') OF 3" WAS USED IN THE QUANTITY "CONCRETE MASONRY BRIDGES".



DRAPED STRAND PATTERN - SPAN



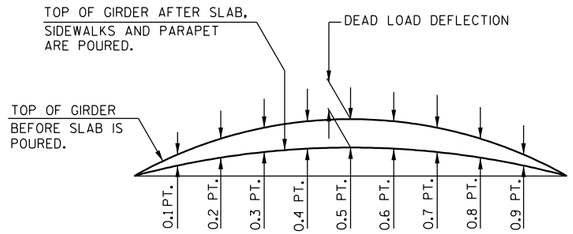
LOCATION OF DRAPED STRANDS

THEORETICAL CAMBER

SPAN	CAMBER (IN.) ***
1	3 1/8"

THESE VALUES ARE NOT TO BE USED IN DETERMINING 'T', USE ACTUAL GIRDER SHOTS. THESE VALUES ARE FOR INFORMATIONAL PURPOSES ONLY.

*** THE THEORETICAL INITIAL CAMBER VALUE AT THE TIME OF STRAND RELEASE AT MIDSPAN MULTIPLIED BY A FACTOR OF 1.4 TO ACCOUNT FOR CAMBER GROWTH FROM THE TIME OF STRAND RELEASE TO JOBSITE PLACEMENT.



DEAD LOAD DEFLECTION DIAGRAM

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-18-227

DRAWN BY TAW | PLANS CK'D. TR

72W" PRESTRESSED GIRDER DETAILS

SHEET 16 OF 25
761

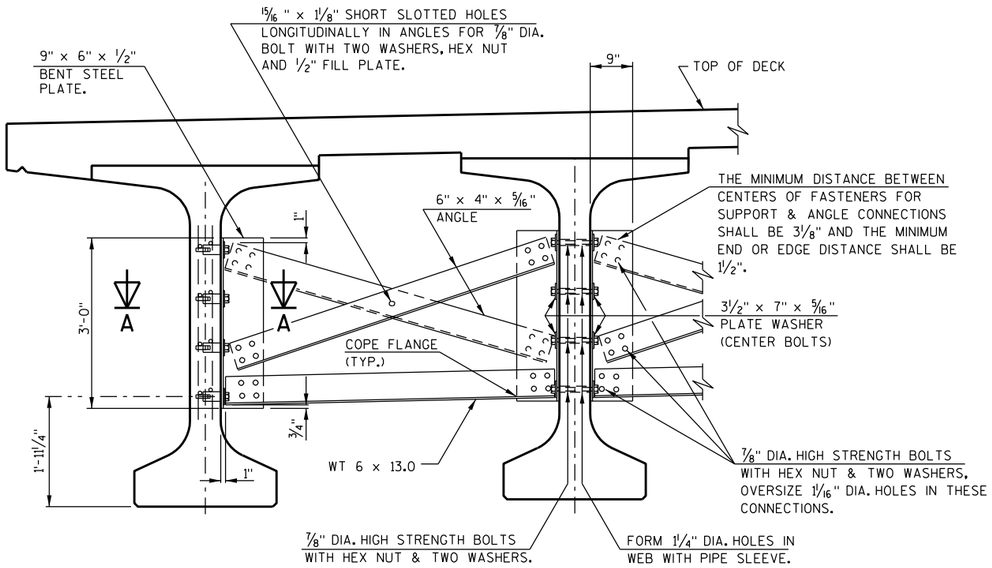
8

8

FILE NAME : P:\159 I-94 - CEDAR HILLS\B-18-227 dgn\16.72Wgs2.b-18-227.dgn
PLOT DATE : 11/20/2012

STATE PROJECT NUMBER

1022-08-73



EXTERIOR GIRDER INTERIOR GIRDER

PART TRANSVERSE SECTION AT DIAPHRAGM

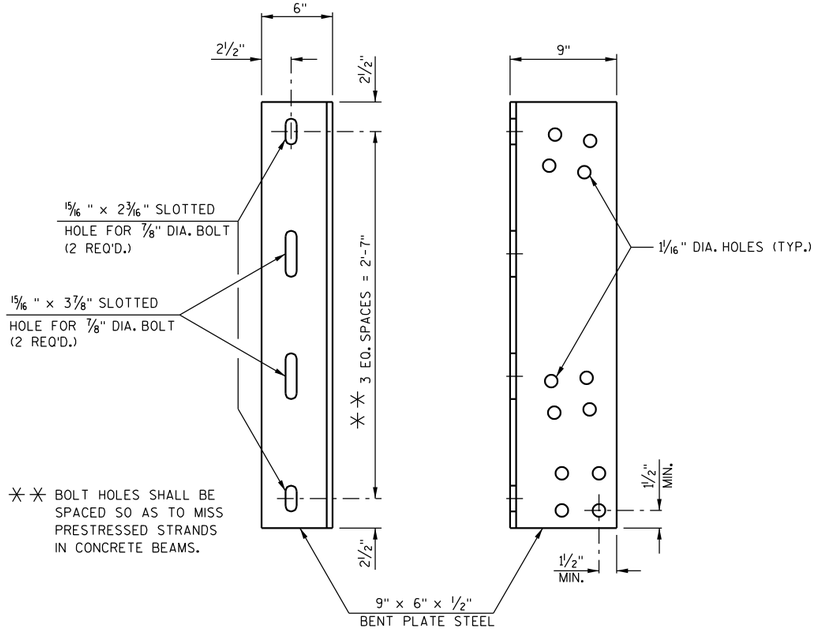
NOTES

ALL DIAPHRAGM MATERIAL NOT EMBEDDED IN THE CONCRETE GIRDER SHALL BE PAID FOR AT THE UNIT PRICE BID FOR "STEEL DIAPHRAGMS B-18-227", EACH.

EACH DIAPHRAGM BETWEEN GIRDERS SHALL CONSTITUTE ONE UNIT.

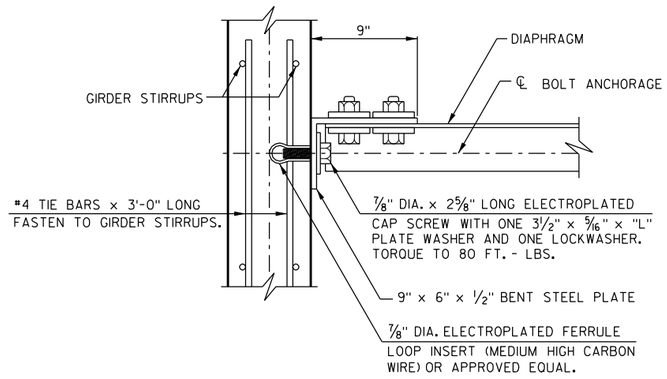
ALL DIAPHRAGM STRUCTURAL STEEL SHALL BE ASTM A709 GRADE 36. ALL BOLTS, NUTS AND WASHERS SHALL BE ASTM A325 TYPE 1.

ALL DIAPHRAGM STRUCTURAL STEEL SHOWN SHALL BE HOT-DIPPED GALVANIZED. ALL BOLTS, NUTS AND WASHERS SHALL BE HOT-DIPPED GALVANIZED IN ACCORDANCE WITH ASTM A153 CLASS C. GALVANIZED NUTS SHALL BE TAPPED OVERSIZED IN ACCORDANCE WITH THE REQUIREMENTS OF ASTM A563 AND SHALL MEET THE REQUIREMENTS OF SUPPLEMENTARY REQUIREMENT S1 OF ASTM A563, LUBRICANT AND TEST FOR COATED NUTS.



BEAM FACE DIAPHRAGM FACE

DIAPHRAGM SUPPORT



"L" = 3 1/2" FOR TOP AND BOTTOM BOLTS
"L" = 7" FOR CENTER BOLTS

SECTION A-A
(FOR EXTERIOR ATTACHMENT)

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-18-227

DRAWN BY TAW | PLANS CK'D. TR

INTERMEDIATE STEEL DIAPHRAGMS

SHEET 17 OF 25
762

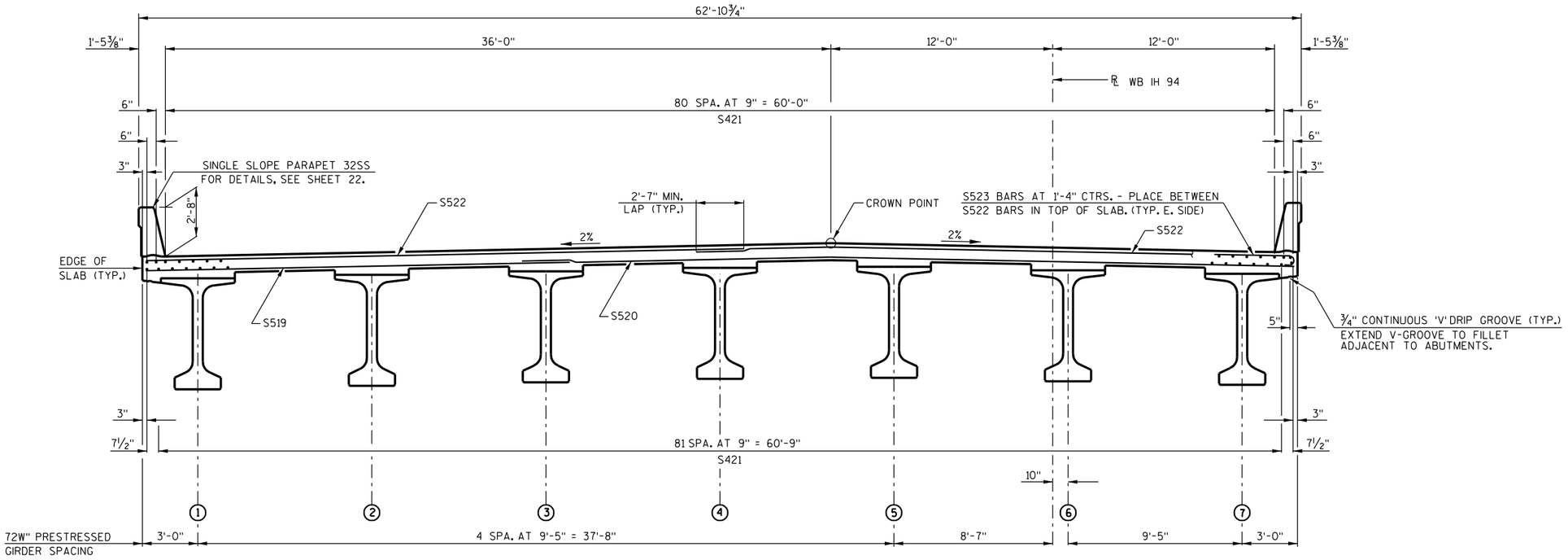
FILE NAME : P:\159 I-94 - GROW Hill\B-18-227 dgn\17_steeldiaph_b-18-227.dgn
PLOT DATE : 10/16/2012

8

8

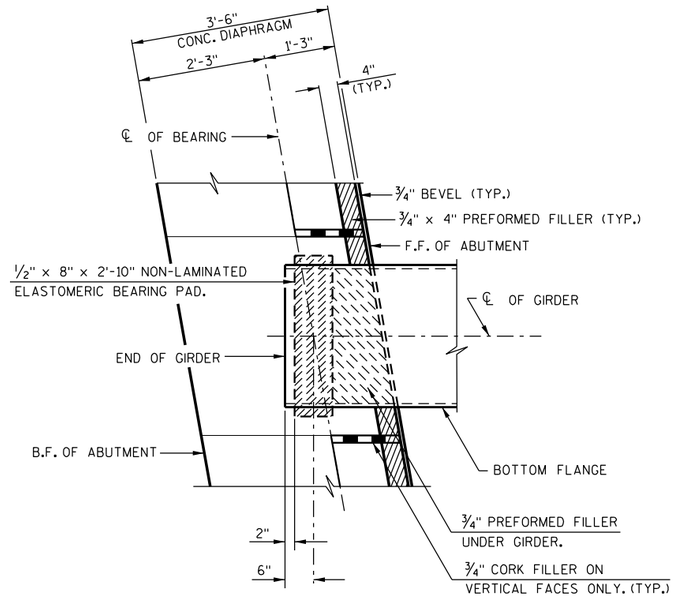
STATE PROJECT NUMBER

1022-08-73



CROSS SECTION THRU ROADWAY

(LOOKING EAST)



BEARING PAD LAYOUT

(SHOWN AT WEST ABUTMENT, EAST ABUTMENT SIMILAR)

FILE NAME : P:\159 I-94 - GKDM Hill\B-18-227 dgn\18_super1_b-18-227.dgn
PLOT DATE : 10/16/2012

8

8

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

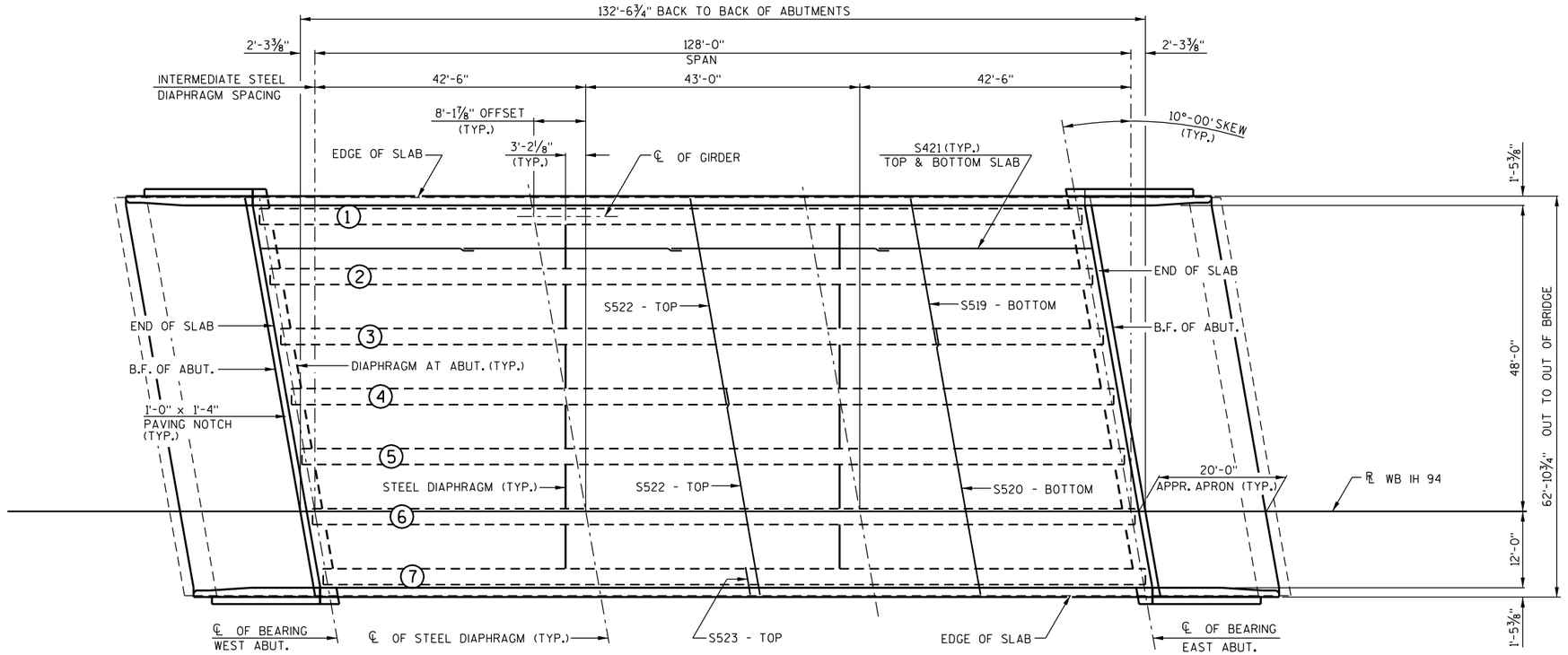
STRUCTURE B-18-227

DRAWN BY TAW | PLANS CK'D. TR

SUPERSTRUCTURE

SHEET 18 OF 25
763

STATE PROJECT NUMBER
1022-08-73



PLAN

TOP OF DECK ELEVATIONS

	℄ OF BRG. W. ABUT.	0.1 PT.	0.2 PT.	0.3 PT.	0.4 PT.	0.5 PT.	0.6 PT.	0.7 PT.	0.8 PT.	0.9 PT.	℄ OF BRG. E. ABUT.
N. EOD	857.90	857.67	857.46	857.25	857.05	856.86	856.67	856.49	856.32	856.15	855.99
GIRDER 1	857.95	857.72	857.51	857.30	857.10	856.91	856.72	856.54	856.37	856.20	856.04
GIRDER 2	858.11	857.88	857.67	857.46	857.26	857.07	856.89	856.71	856.53	856.37	856.21
GIRDER 3	858.26	858.04	857.83	857.63	857.43	857.23	857.05	856.87	856.70	856.54	856.38
GIRDER 4	858.42	858.21	857.99	857.79	857.59	857.40	857.21	857.04	856.87	856.71	856.55
GIRDER 5	858.45	858.23	858.02	857.81	857.62	857.43	857.24	857.07	856.90	856.74	856.58
GIRDER 6	858.23	858.01	857.80	857.60	857.40	857.21	857.03	856.86	856.69	856.53	856.37
GIRDER 7	858.01	857.80	857.59	857.39	857.19	857.00	856.82	856.65	856.48	856.32	856.17
S. EOD	857.94	857.73	857.52	857.32	857.12	856.93	856.75	856.58	856.41	856.25	856.10

NOTES

1. THE TOP LONGITUDINAL BAR STEEL REINFORCEMENT SHALL BE SUPPORTED BY CONTINUOUS BAR CHAIRS IN TRANSVERSE DIRECTION ON 4'-0" CENTERS.
2. THE BOTTOM TRANSVERSE BAR STEEL REINFORCEMENT SHALL BE SUPPORTED BY CONTINUOUS BAR CHAIRS WITH A CENTER TO CENTER SPACING NOT TO EXCEED 4'-0". ONE LINE OF CONTINUOUS BAR CHAIRS SHALL BE PLACED NEAR EACH EDGE OF SLAB TO SUPPORT THE ENDS OF THE BOTTOM TRANSVERSE BAR STEEL.
3. LAP NO. 6 BARS 3'-6" MIN. AT BACK OF ABUTMENT DIAPHRAGMS.
4. LAP LONGITUDINAL NO. 5 BARS IN 32" SINGLE SLOPE PARAPET 1'-9" MIN.
5. LAP NO. 4 BARS 1'-8" MIN. IN SLAB.
6. LAP NO. 5 BARS 2'-7" MIN. IN SLAB.
7. ALL TRANSVERSE BAR STEEL REINFORCEMENT SHALL BE PLACED PARALLEL TO SUBSTRUCTURE UNITS.
8. EDGE OF DECK (EOD) ELEVATIONS ARE CALCULATED ASSUMING CROSS SLOPE CONTINUES TO EDGE.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-18-227

DRAWN BY TAW | PLANS CK'D. TR

SUPERSTRUCTURE

SHEET 19 OF 25
764

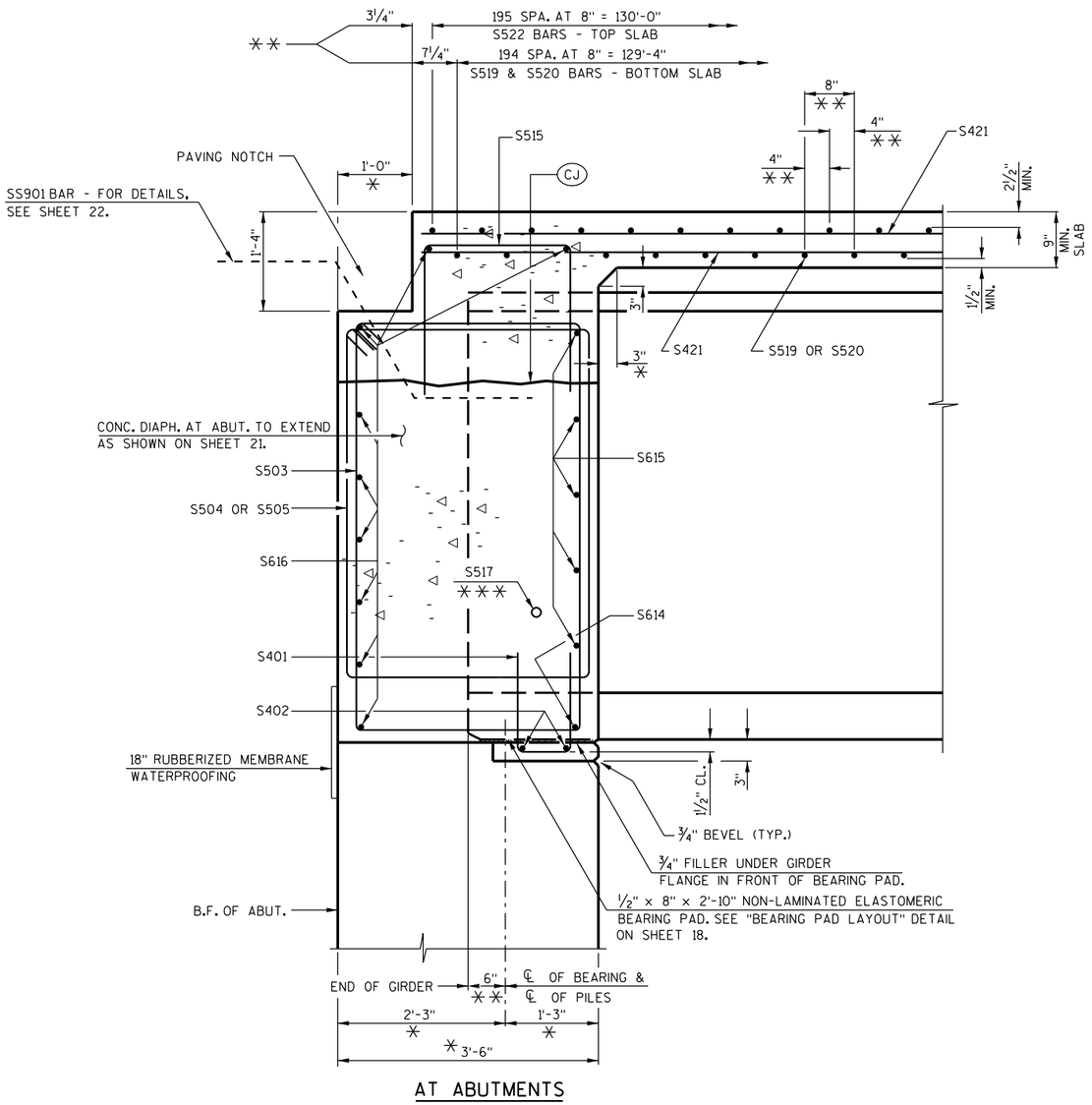
8

8

FILE NAME : P:\159 I-94 - C&DM Hill\B-18-227 dgn\19_super2_b-18-227.dgn
PLOT DATE : 11/20/2012

STATE PROJECT NUMBER

1022-08-73



AT ABUTMENTS

PART LONGITUDINAL SECTION

(BETWEEN EXTERIOR GIRDERS)

LEGEND

- ✳ DIMENSIONS ARE GIVEN NORMAL TO ℄ OF SUBSTRUCTURE UNITS.
- ✳✳ DIMENSIONS ARE GIVEN PARALLEL TO THE GIRDER ℄.
- ✳✳✳ 1½" DIA. HOLE IN WEB FOR S517 BARS. PLACE TWO S517 BARS SYMMETRICAL ABOUT THE ℄ OF EACH GIRDER. FIELD BEND BARS ALONG SKEW. SEE "SIDE VIEW" ON SHEET 15 FOR DETAILS.
- (CJ) OPTIONAL CONSTRUCTION JOINT 1'-2" BELOW TOP OF GIRDER. IF USED, DECK POUR MUST BE WITHIN 2 WEEKS FROM THE TIME OF THE DIAPHRAGM POUR.

NOTES: ALL VERTICAL BAR STEEL REINFORCEMENT IN CONCRETE DIAPHRAGMS SHALL BE SPACED AND PLACED PARALLEL TO GIRDERS.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-18-227

DRAWN BY TAW | PLANS CK'D. TR

SUPERSTRUCTURE

SHEET 20 OF 25
765

8

8

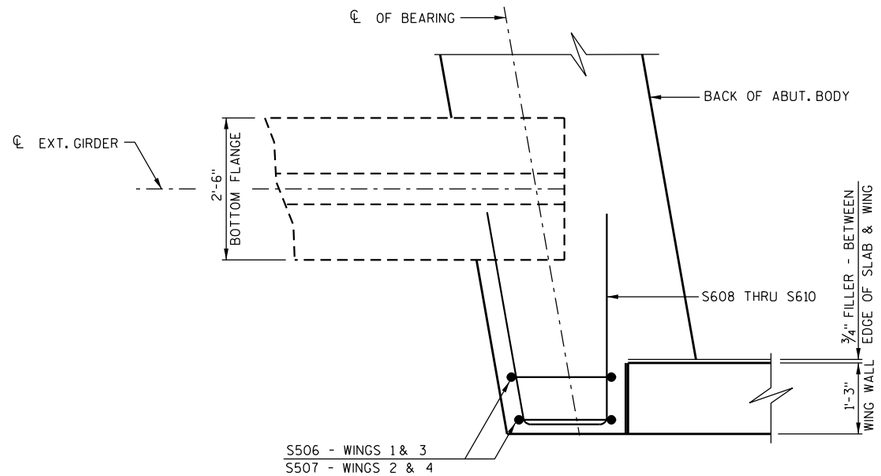
FILE NAME : P:\159 I-94 - CH2M HILL\18-18-227 dgn\20.super3.b-18-227.dgn
PLOT DATE : 10/16/2012

STATE PROJECT NUMBER

1022-08-73

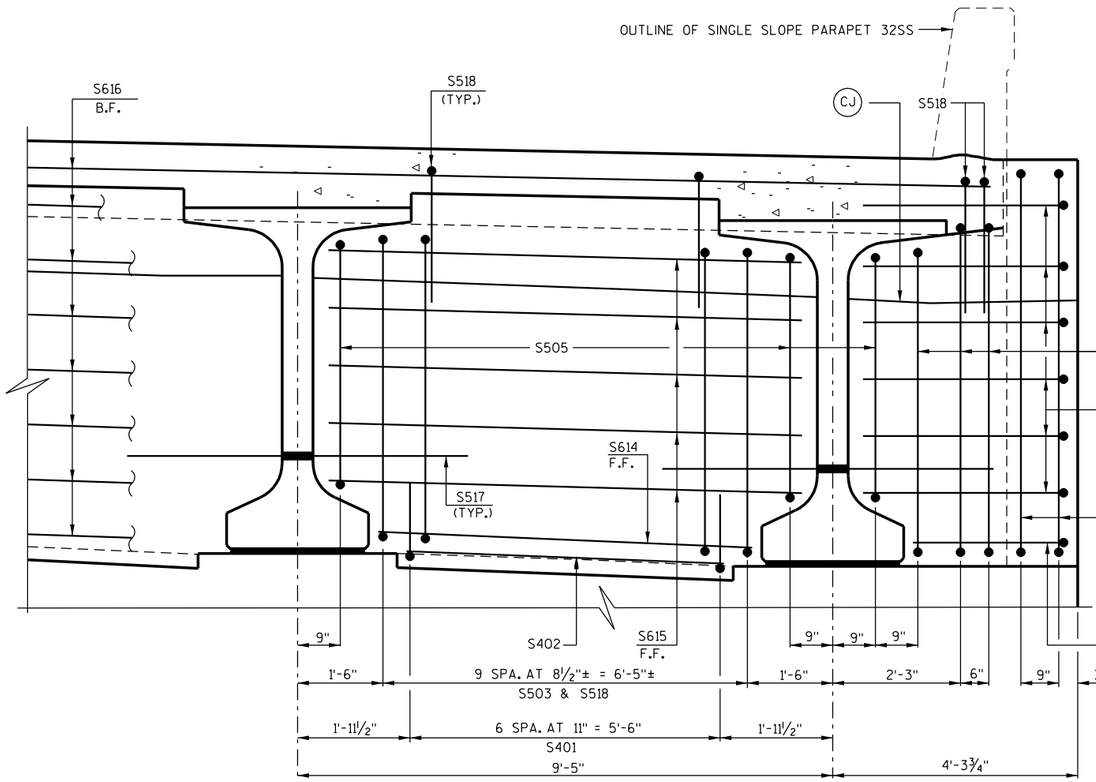
LEGEND

(CJ) OPTIONAL CONSTRUCTION JOINT 1'-2" BELOW TOP OF GIRDER. IF USED, DECK POUR MUST BE WITHIN 2 WEEKS FROM THE TIME OF THE DIAPHRAGM POUR.



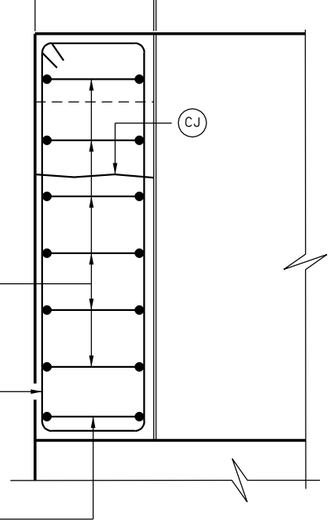
PART PLAN AT ABUTMENT DIAPHRAGM

(SHOWN AT WING 4 AT EAST ABUTMENT, OTHER WING CORNERS SIMILAR)



ABUTMENT DIAPHRAGM DETAILS

(TYP. BETWEEN GIRDERS - EAST ABUT. SHOWN, WEST ABUT. SIMILAR)



END VIEW AT ABUTMENT DIAPHRAGM

(LOOKING NORTH AT WING 4 AT EAST ABUTMENT, OTHER WING CORNERS SIMILAR)

FILE NAME : P:\159 I-94 - CHDM Hill\18-18-227 dgn\21_superstructure_b-18-227.dgn
PLOT DATE : 11/20/2012

8

8

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-18-227

DRAWN BY TAW | PLANS CK'D. TR

SUPERSTRUCTURE

SHEET 21 OF 25
766

STATE PROJECT NUMBER

1022-08-73

BILL OF BARS

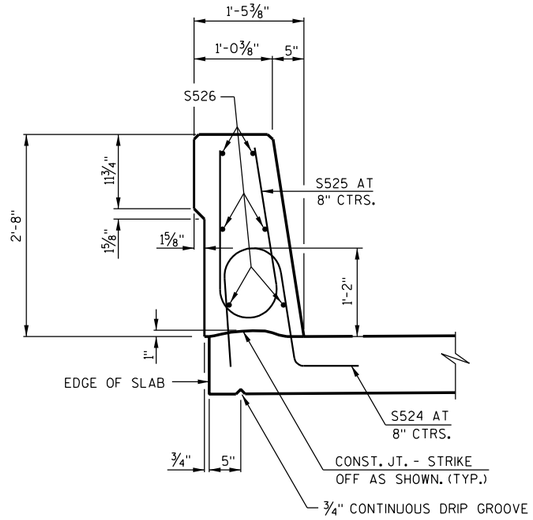
DIMENSIONS IN BENDING DETAILS ARE OUT TO OUT OF BAR.
ALL BAR STEEL REINFORCEMENT IN THIS BILL SHALL BE EPOXY COATED.

MARK	NO. REQ'D.	LENGTH	BENT	BAR SERIES	LOCATION	TOTAL WEIGHT = 55,870 LBS.
S401	84	3-5	X		ABUTMENT DIAPHRAGM - BOTTOM	VERT.
S402	24	5-8			ABUTMENT DIAPHRAGM - BOTTOM	HORIZ.
S503	120	17-9	X		ABUTMENT DIAPHRAGM - STIRRUPS	VERT.
S505	28	15-7	X		ABUTMENT DIAPHRAGM - STIRRUPS UNDER FLANGE	VERT.
S506	4	18-11	X		ABUTMENT DIAPHRAGM - ENDS - WINGS 1 & 3	VERT.
S507	4	17-7	X		ABUTMENT DIAPHRAGM - ENDS - WINGS 2 & 4	VERT.
S608	2	7-7	X		ABUTMENT DIAPHRAGM - ENDS - WINGS 1 & 3	HORIZ.
S609	2	6-9	X		ABUTMENT DIAPHRAGM - ENDS - WINGS 2 & 4	HORIZ.
S610	12	9-7	X		ABUTMENT DIAPHRAGM - ENDS - WINGS 1 & 3	HORIZ.
S611	12	8-9	X		ABUTMENT DIAPHRAGM - ENDS - WINGS 2 & 4	HORIZ.
S614	12	6-8			ABUTMENT DIAPHRAGM - BETWEEN GIRDERS	HORIZ.
S615	60	8-8			ABUTMENT DIAPHRAGM - BETWEEN GIRDERS	HORIZ.
S616	36	33-4			ABUTMENT DIAPHRAGM - B.F.	HORIZ.
S517	28	6-0			ABUTMENT DIAPHRAGM - AT GIRDER HOLES	HORIZ.
S518	104	6-5	X		ABUTMENT DIAPHRAGM - TOP	VERT.
S519	195	23-4			SLAB - BOTTOM	TRANS.
S520	195	42-6			SLAB - BOTTOM	TRANS.
S421	676	33-10			SLAB - TOP & BOTTOM	LONGIT.
S522	392	32-11			SLAB - TOP	TRANS.
S523	196	5-0			SLAB - TOP - EDGE OF SLAB	TRANS.
S524	392	4-5	X		PARAPET	VERT.
S525	392	5-0	X		PARAPET	VERT.
S526	48	33-11			PARAPET	LONGIT.

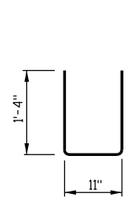
STAINLESS STEEL BILL OF BARS

DIMENSIONS IN BENDING DETAILS ARE OUT TO OUT OF BAR.

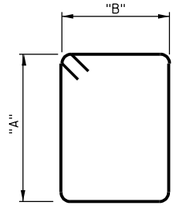
MARK	NO. REQ'D.	LENGTH	BENT	BAR SERIES	LOCATION	TOTAL WEIGHT = 2,150 LBS.
SS901	126	5-0	X		APPROACH APRON AT BRIDGE PAVING NOTCH	LONGIT.



SECTION THRU SINGLE SLOPE PARAPET 32SS

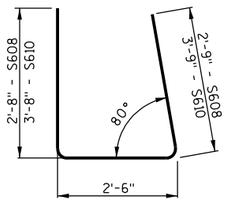


S401

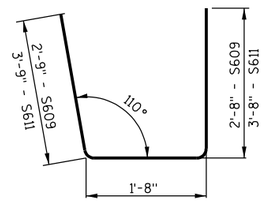


MARK	DIM. "A"	DIM. "B"
S503	5'-5"	3'-2"
S505	4'-4"	3'-2"
S506	6'-9"	2'-5"
S507	6'-9"	1'-9"

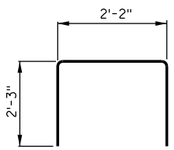
S503, S505 THRU S507



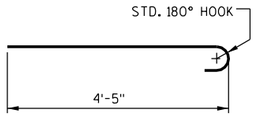
S608 & S610



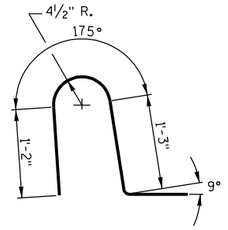
S609 & S611



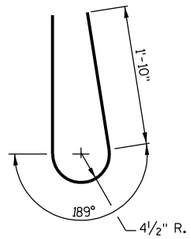
S518



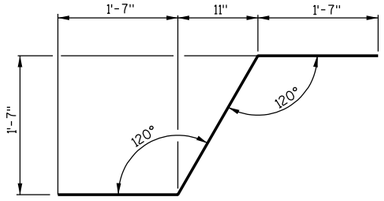
S523



S524



S525



SS901

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-18-227

DRAWN BY TAW | PLANS CK'D. TR

SUPERSTRUCTURE

SHEET 22 OF 25
767

8

8

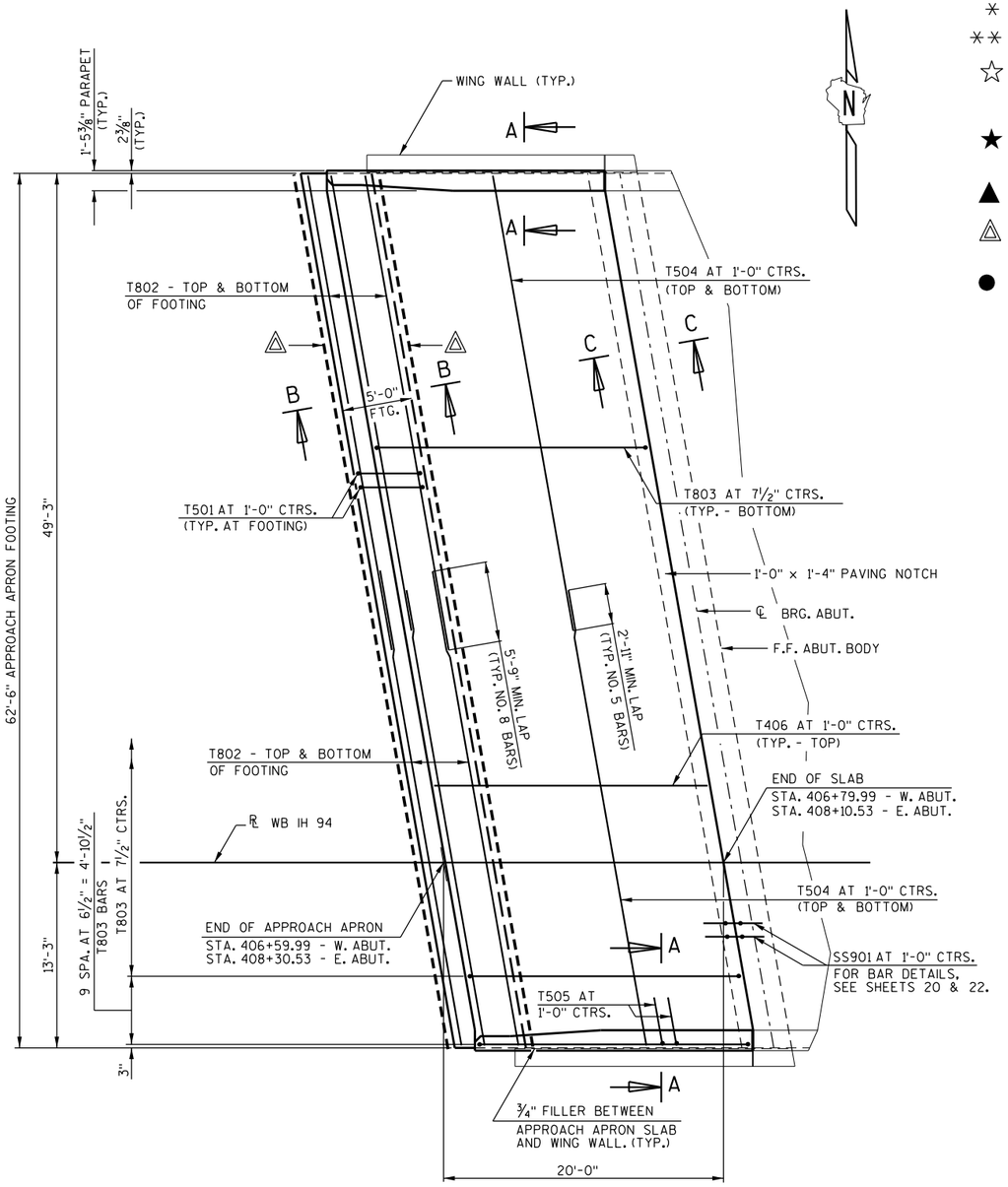
FILE NAME : P:\159 I-94 - CHDM Hill\18-18-227 dgn\22.super5.b-18-227.dgn
PLOT DATE : 11/20/2012

STATE PROJECT NUMBER

1022-08-73

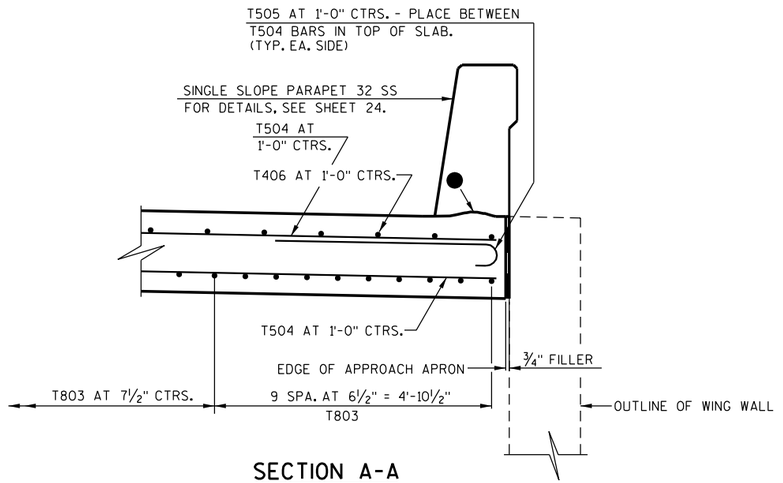
LEGEND

- ✳ DIMENSIONS ARE GIVEN NORMAL ℄ SUBSTRUCTURE.
- ✳✳ DIMENSIONS ARE GIVEN PARALLEL TO ℞ WB IH 94.
- ☆ STEEL TROWEL TOP SURFACE OF FOOTING AND PLACE MULTIPLE LAYERS OF POLYETHYLENE SHEETS OVER ENTIRE LENGTH OF FOOTING. TOTAL THICKNESS OF SHEETS SHALL BE AT LEAST 0.03".
- ★ PLACE MULTIPLE LAYERS OF POLYETHYLENE SHEETS OVER ENTIRE LENGTH OF SUBGRADE. TOTAL THICKNESS OF SHEETS SHALL BE AT LEAST 0.03".
- ▲ ¾" × 1'-6" × LENGTH OF FOOTING COMPRESSIBLE FILLER.
- ⧋ PIPE UNDERDRAIN WRAPPED 6-INCH. SLOPE 0.5% MIN. TO SUITABLE DRAINAGE. ATTACH RODENT SHIELD TO END OF PIPE. SEE "RODENT SHIELD" DETAIL ON THIS SHEET.
- ● CONST. JT. - STRIKE OFF AS SHOWN.

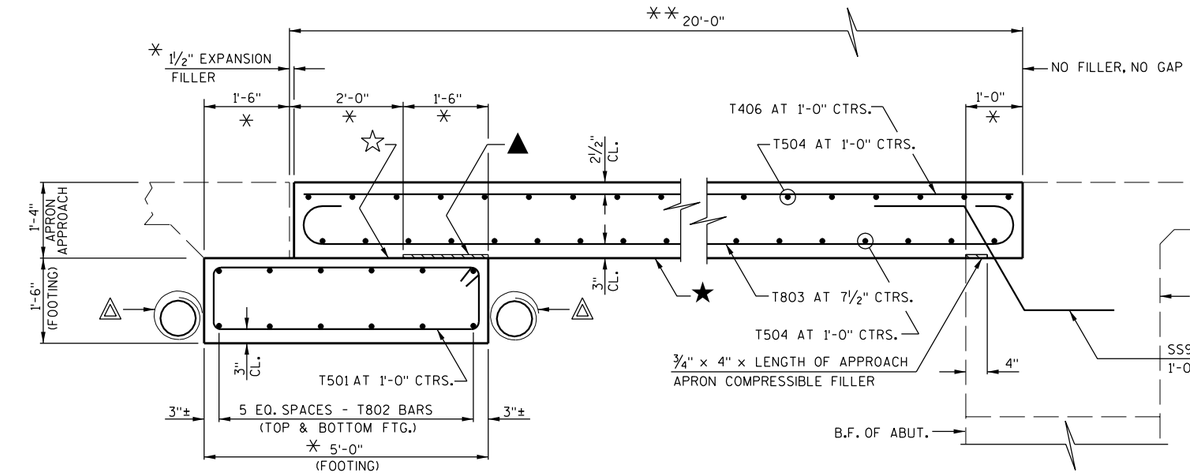


APPROACH APRON PART PLAN

(WEST APPROACH APRON SHOWN, EAST NORTH APPROACH APRON SIMILAR UNLESS NOTED OTHERWISE)



SECTION A-A



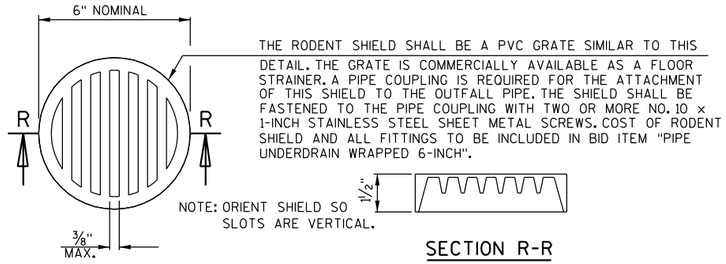
SECTION B-B

SECTION C-C

LONGITUDINAL SECTION AT APPROACH APRON

(SECTION SHOWN AT WEST APPROACH APRON, EAST APPROACH APRON SIMILAR)

NOTE: BAR STEEL REINFORCEMENT FOR THE APPROACH APRONS AND FOR SINGLE SLOPE PARAPET 32SS LOCATED ON EACH SIDE OF THE APPROACH APRON IS INCLUDED IN THE BILL OF BARS ON SHEET 25.



THE RODENT SHIELD SHALL BE A PVC GRATE SIMILAR TO THIS DETAIL. THE GRATE IS COMMERCIALLY AVAILABLE AS A FLOOR STRAINER. A PIPE COUPLING IS REQUIRED FOR THE ATTACHMENT OF THIS SHIELD TO THE OUTFALL PIPE. THE SHIELD SHALL BE FASTENED TO THE PIPE COUPLING WITH TWO OR MORE NO. 10 × 1-INCH STAINLESS STEEL SHEET METAL SCREWS. COST OF RODENT SHIELD AND ALL FITTINGS TO BE INCLUDED IN BID ITEM "PIPE UNDERDRAIN WRAPPED 6-INCH".

NOTE: ORIENT SHIELD SO SLOTS ARE VERTICAL.

SECTION R-R

RODENT SHIELD

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-18-227

DRAWN BY TAW | PLANS CK'D. TR

APPROACH APRON DETAILS

SHEET 23 OF 25

768

FILE NAME : P:\159 I-94 - CHDM Hill\B-18-227 dgn\23_apron_b-18-227.dgn
PLOT DATE : 11/20/2012

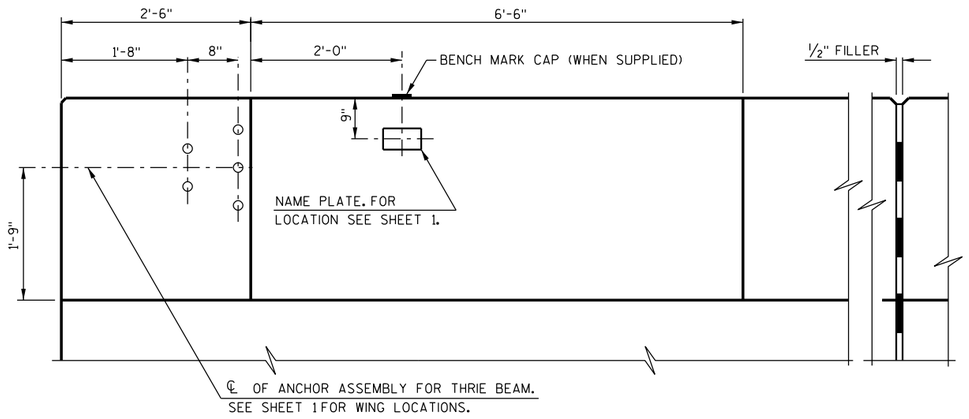
8

8

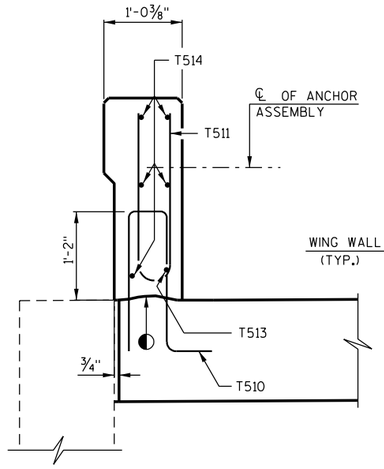
STATE PROJECT NUMBER

1022-08-73

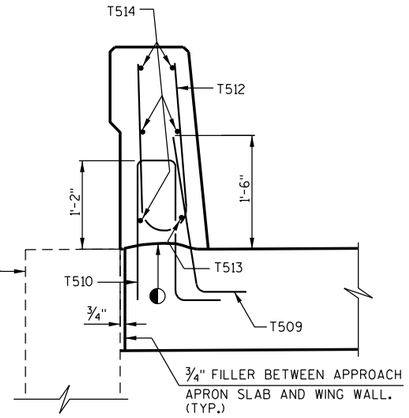
NOTE: QUANTITIES OF CONCRETE MASONRY AND BAR STEEL REINFORCEMENT ARE INCLUDED IN THE APPROACH APRON ON SHEET 2.



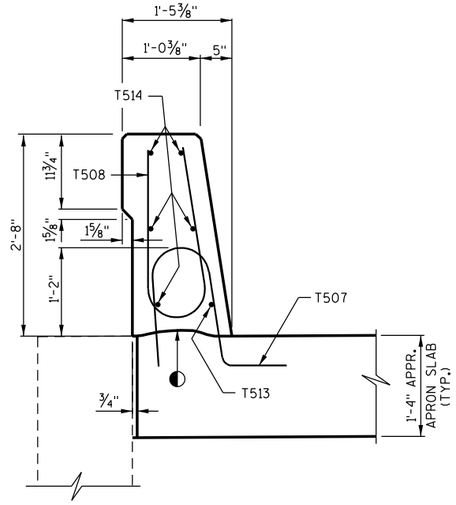
INSIDE ELEVATION



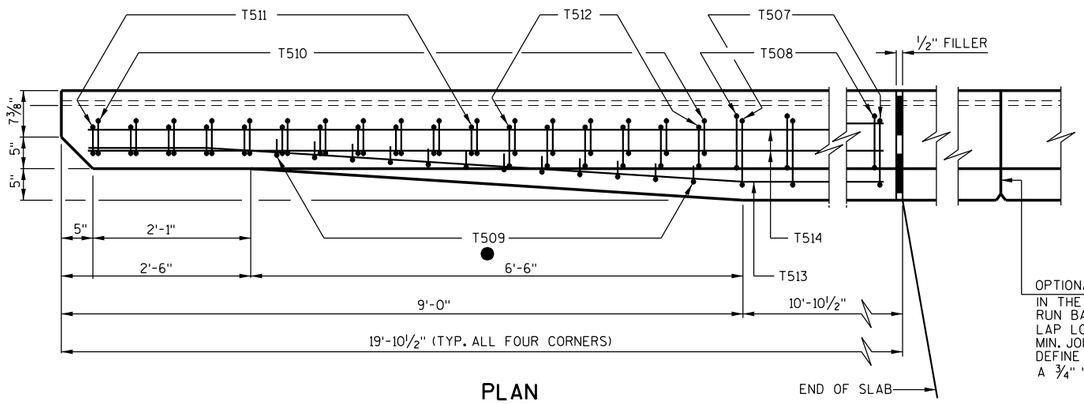
SECTION A-A



SECTION B-B



SECTION C-C



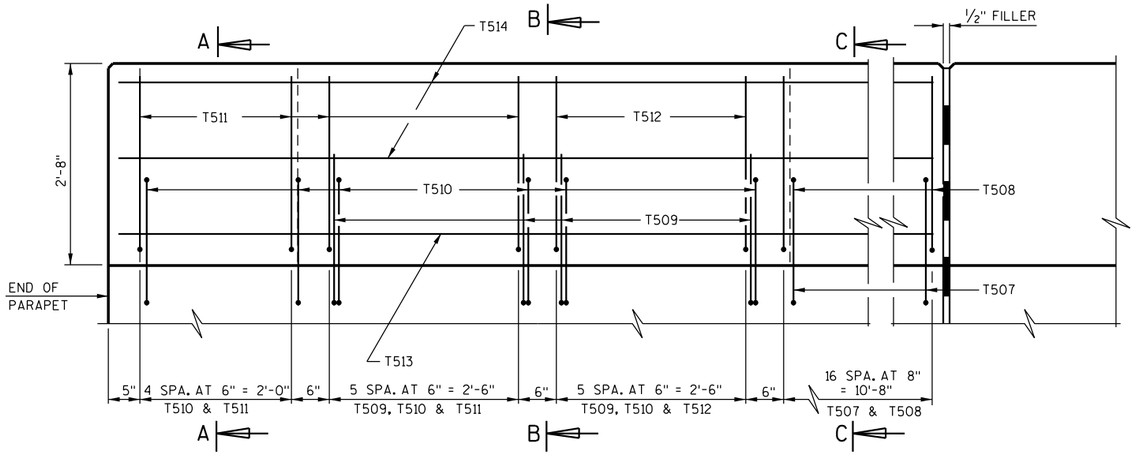
PLAN

(PARAPET TRANSITION IS LOCATED ON THE APPROACH APRON, TYP. ALL FOUR CORNERS)

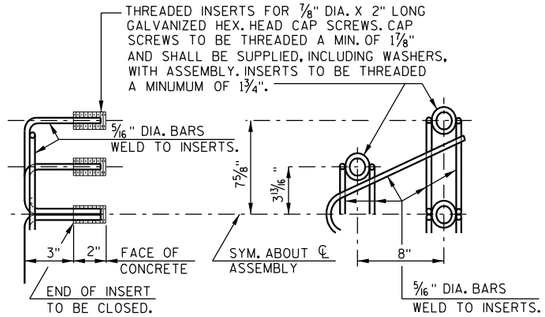
OPTIONAL CONSTRUCTION JOINTS IN THE PARAPETS MAY BE USED. RUN BAR REINF. THRU THE JOINT. LAP LONGIT. BARS A MIN. OF 1'-9". MIN. JOINT SPACING OF 80'-0" DEFINE CONST. JOINT WITH A 3/4" 'V' GROOVE.

LEGEND

- ● T509 BARS MAY BE PLACED AFTER CONCRETE IS POURED, BUT BEFORE INTIAL SET HAS TAKEN PLACE. USE CARE TO PLACE T509 BARS CORRECTLY ALONG TANSITION OF PARAPET.
- ◐ CONST. JT. - STRIKE OFF AS SHOWN.



OUTSIDE ELEVATION



DETAIL OF ANCHOR ASSEMBLY

NOTE: HEX. HEAD CAP SCREWS & WASHERS TO BE GALVANIZED IN ACCORDANCE WITH AASHTO M232 CLASS C.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-18-227

DRAWN BY TAW | PLANS CK'D. TR

SINGLE SLOPE PARAPET 32SS

SHEET 24 OF 25
769

FILE NAME : P:\159 I-94 - CROW H\118-18-227 dgn\24_parapet_32ss_b-18-227.dgn
PLOT DATE : 11/20/2012

8

8

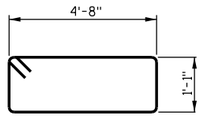
STATE PROJECT NUMBER

1022-08-73

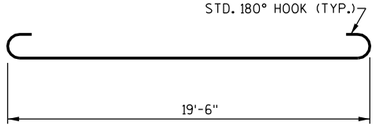
BILL OF BARS

DIMENSIONS IN BENDING DETAILS ARE OUT TO OUT OF BAR.
ALL BAR STEEL REINFORCEMENT IN THIS BILL SHALL BE EPOXY COATED.

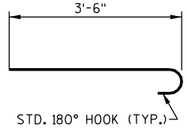
MARK	NO. REQ'D.	LENGTH	BENT	BAR SERIES	LOCATION	TOTAL WEIGHT = 27,470 LBS.
T501	126	12-1	X		APPROACH APRON - FOOTING	VERT.
T802	48	34-6			APPROACH APRON - FOOTING	TRANS.
T803	206	21-4	X		APPROACH APRON - SLAB - BOTTOM	LONGIT.
T504	168	33-1			APPROACH APRON - SLAB - TOP & BOTTOM	TRANS.
T505	80	4-1	X		APPROACH APRON - SLAB - TOP	TRANS.
T406	126	19-6			APPROACH APRON - SLAB - TOP	LONGIT.
T507	68	4-5	X		PARAPET - APPROACH APRON	VERT.
T508	68	5-0	X		PARAPET - APPROACH APRON	VERT.
T509	48	2-9	X		PARAPET - APPROACH APRON	VERT.
T510	68	4-4	X		PARAPET - APPROACH APRON	VERT.
T511	44	4-9	X		PARAPET - APPROACH APRON	VERT.
T512	24	4-10	X		PARAPET - APPROACH APRON	VERT.
T513	4	19-6			PARAPET - APPROACH APRON	HORIZ.
T514	20	19-6			PARAPET - APPROACH APRON	HORIZ.



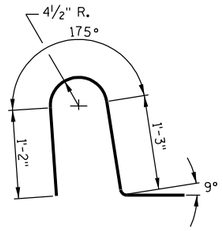
T501



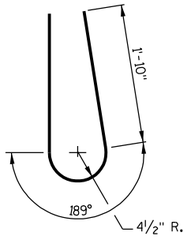
T803



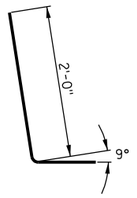
T505



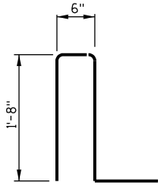
T507



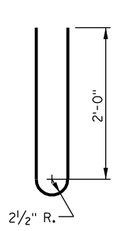
T508



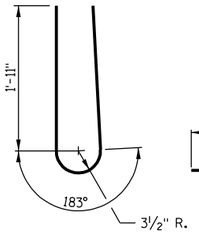
T509



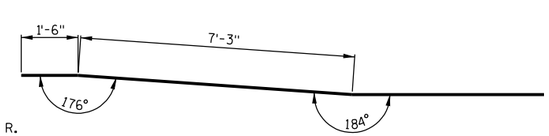
T510



T511



T512



T513

FILE NAME : P:\159 I-94 - C&DM Hill\B-18-227 dgn\25.bill.bars.b-18-227.dgn
PLOT DATE : 11/20/2012

8

8

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-18-227

DRAWN BY TAW | PLANS CK'D. TR

BILL OF BARS

SHEET 25 OF 25
770

STATE PROJECT NUMBER

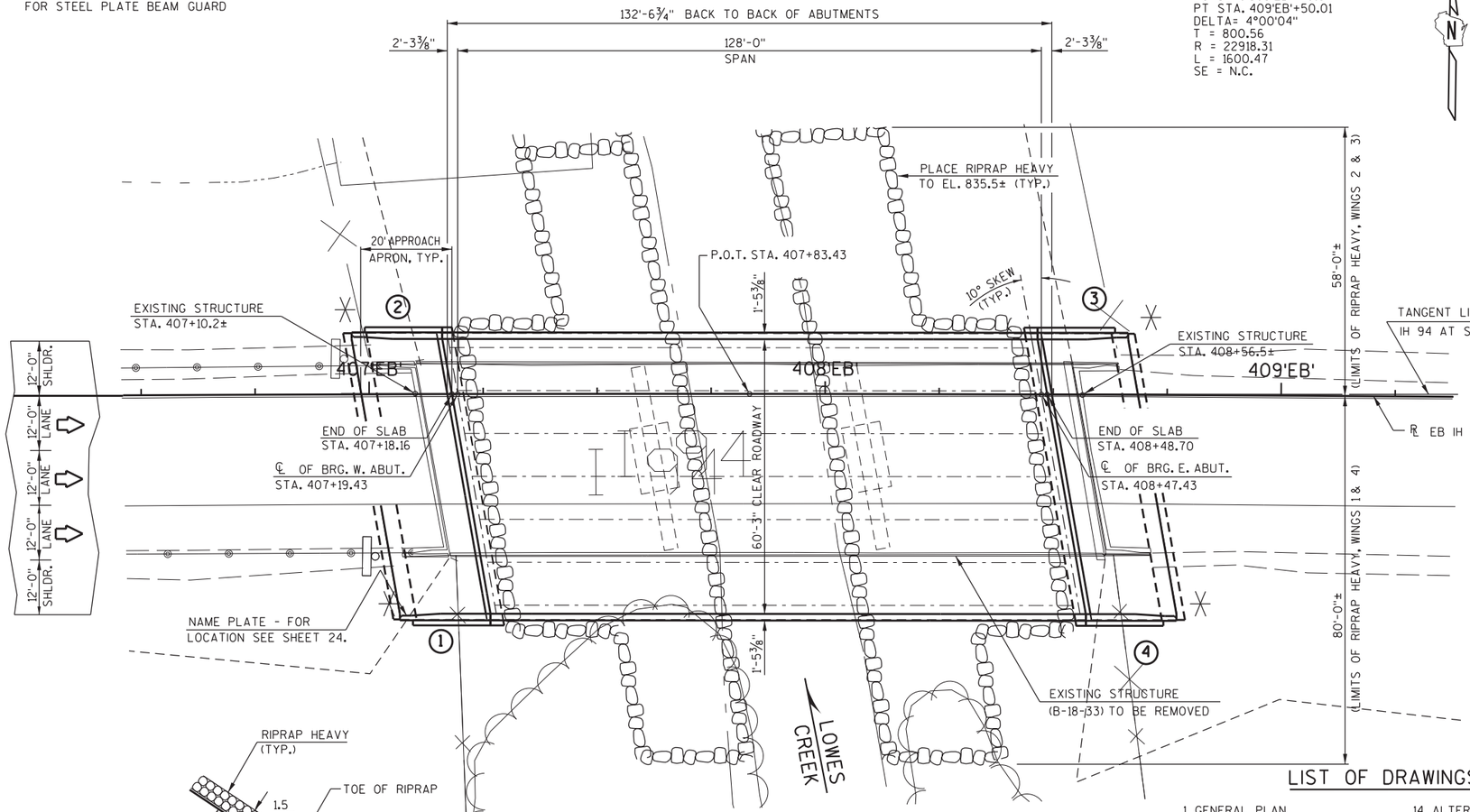
1022-08-73

X INDICATES WING/CORNER NUMBER

LOCATION OF ANCHOR ASSEMBLY FOR STEEL PLATE BEAM GUARD

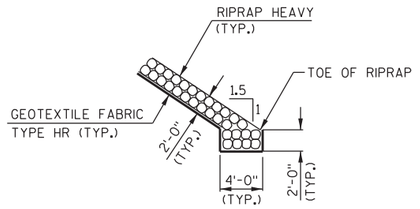
CURVE DATA

PI STA. 401'EB'+50.10
PC STA. 393'EB'+49.54
PT STA. 409'EB'+50.01
DELTA= 4°00'04"
T = 800.56
R = 22918.31
L = 1600.47
SE = N.C.

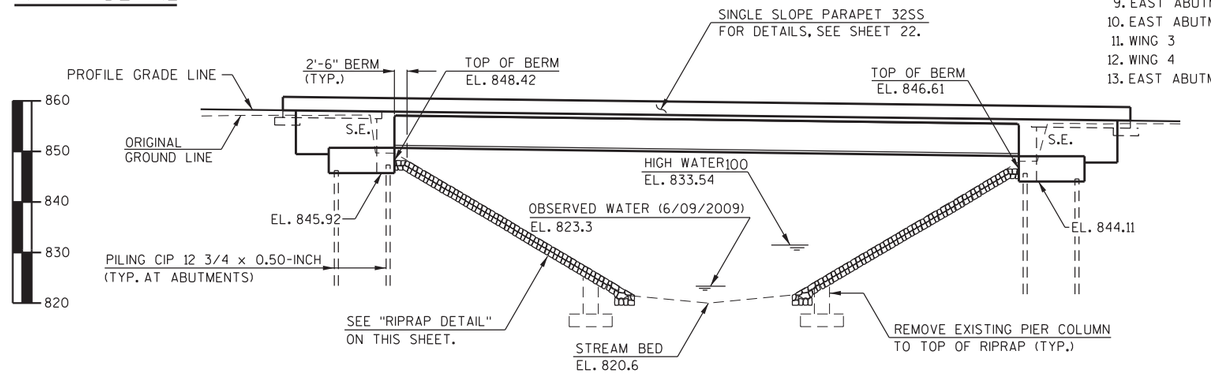


PLAN

(SINGLE SPAN - 72W" PRESTRESSED GIRDERS)



RIPRAP DETAIL



ELEVATION

(NORMAL TO LOWES CREEK)

LIST OF DRAWINGS

1. GENERAL PLAN
2. CROSS SECTION & QUANTITIES
3. SUBSURFACE EXPLORATION
4. WEST ABUTMENT
5. WEST ABUTMENT
6. WING 1
7. WING 2
8. WEST ABUTMENT DETAILS
9. EAST ABUTMENT
10. EAST ABUTMENT
11. WING 3
12. WING 4
13. EAST ABUTMENT DETAILS
14. ALTERNATE CONSTRUCTION JOINT
15. 72W" PRESTRESSED GIRDER DETAILS
16. 72W" PRESTRESSED GIRDER DETAILS
17. INTERMEDIATE STEEL DIAPHRAGMS
18. SUPERSTRUCTURE
19. SUPERSTRUCTURE
20. SUPERSTRUCTURE
21. SUPERSTRUCTURE
22. SUPERSTRUCTURE
23. APPROACH APRON DETAILS
24. SINGLE SLOPE PARAPET 32SS
25. BILL OF BARS

DESIGN DATA

LIVE LOAD:

DESIGN LOADING: HL-93
INVENTORY RATING FACTOR (RF): 1.05
OPERATIONAL RATING FACTOR (RF): 1.80
WISCONSIN STANDARD PERMIT VEHICLE (Wis-SPV): 250 KIPS

STRUCTURE IS DESIGNED FOR A 1½" SACRIFICIAL WEARING SURFACE, PLACED AT INITIAL CONSTRUCTION INTEGRAL WITH THE DECK. NO ALLOWANCE HAS BEEN MADE FOR A FUTURE WEARING SURFACE LOAD.

ULTIMATE DESIGN STRESSES:

CONCRETE MASONRY - SLAB —— f'_C = 4,000 P.S.I.
- ALL OTHER —— f'_C = 3,500 P.S.I.
HIGH-STRENGTH BAR STEEL REINFORCEMENT, GRADE 60 —— f_y = 60,000 P.S.I.
72W" PRESTRESSED GIRDERS - CONCRETE MASONRY —— f'_C = 8,000 P.S.I.
STRANDS - 0.6" DIA. WITH AN ULTIMATE TENSILE STRENGTH OF —— 270,000 P.S.I.

FOUNDATION DATA:

ABUTMENTS TO BE SUPPORTED ON PILING CIP 12¾ x 0.50-INCH WITH A REQUIRED DRIVING RESISTANCE OF 210 TONS** PER PILE AS DETERMINED BY THE MODIFIED GATES DYNAMIC FORMULA. ESTIMATED 45'-0" LONG AT WEST ABUTMENT AND 65'-0" LONG AT EAST ABUTMENT.

** THE FACTORED AXIAL RESISTANCE OF PILES IN COMPRESSION USED FOR DESIGN IS THE REQUIRED DRIVING RESISTANCE MULTIPLIED BY A RESISTANCE FACTOR OF 0.5 USING MODIFIED GATES TO DETERMINE DRIVEN PILE CAPACITY.

TRAFFIC DATA:

EBL IH 94
A.D.T. (2008) = 27,400
A.D.T. (2028) = 36,900
DESIGN SPEED = 70 M.P.H.

HYDRAULIC DATA:

100 YEAR FREQUENCY
DRAINAGE AREA —— 59.2 SQ.MI.
VELOCITY —— 9.32 F.P.S.
WATERWAY AREA —— 510 SQ.FT.
Q_{100} —— 3,700 C.F.S.
HIGH WATER $_{100}$ ELEVATION —— 833.54
SCOUR CRITICAL CODE —— 8

2 YEAR FREQUENCY
Q_2 —— 1,190 C.F.S.
HIGH WATER $_2$ ELEVATION —— 828.27

NO.	DATE	REVISION	BY

Original Plans Prepared By
ROMENESKO ENGINEERING, INC.

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
ACCEPTED William C. Dreher KAR 02/07/13
CHIEF STRUCTURES DESIGN ENGINEER DATE

STRUCTURE B-18-228

IH 94 EB OVER LOWES CREEK

COUNTY	TOWN ~~/CITY/VILLAGE~~
EAU CLAIRE	WASHINGTON

DESIGN SPEC. AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS

DESIGNED BY	TR	DESIGN CK'D.	VR	DRAWN BY	TAW	PLANS CK'D.	TR

GENERAL PLAN

SHEET 1 OF 25
771

I.D. 1022-08-00 DATE : 1/23/2013

WISCONSIN
THOMAS J. ROMENESKO
E-26318
MADISON
WI
PROFESSIONAL ENGINEER
1/22/13

ROMENESKO ENGINEERING, INC.
CONTACT: TOM ROMENESKO, P.E.
7325 CEDAR CREST DRIVE
SAUK CITY, WI 53583
(608) 644-1502

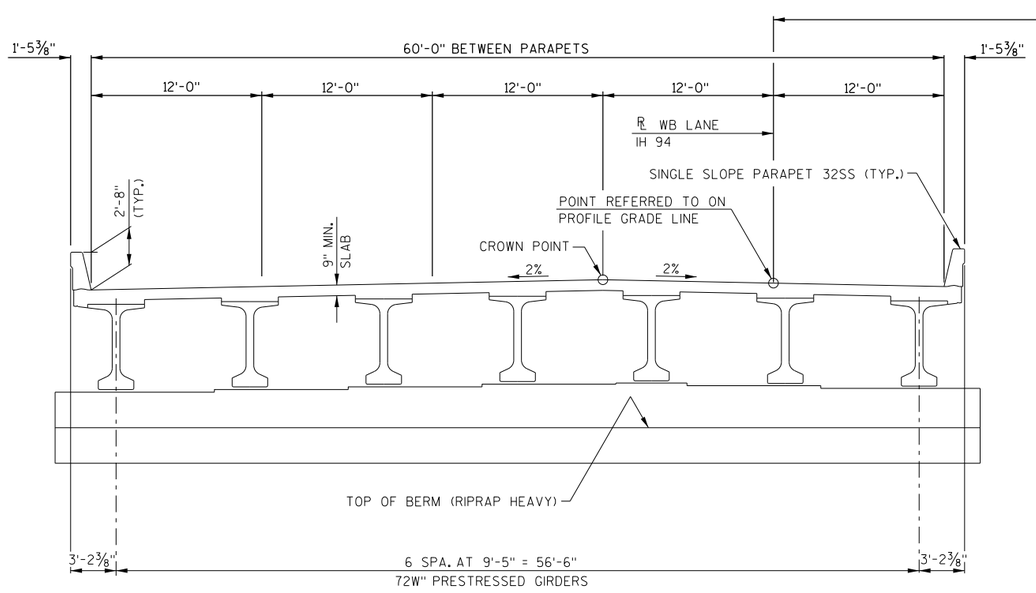
BRIDGE OFFICE CONTACT:
WILLIAM DREHER, P.E.
(608) 266-8489

8

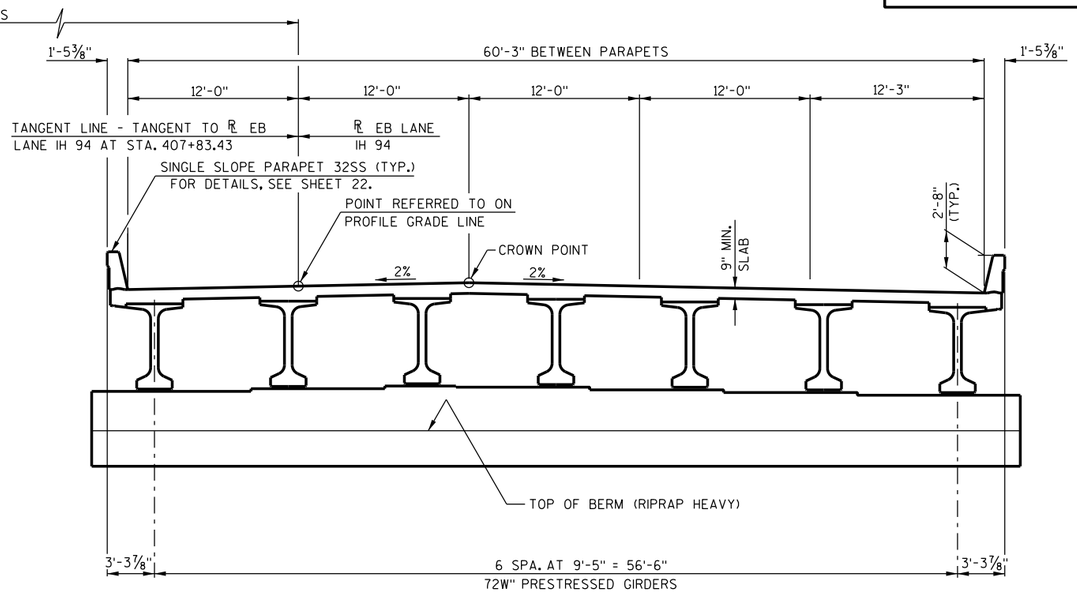
FILE NAME : P:\159 1-94 - CHDM Hill\B-18-228 dgn\01.Gen.Plan.b-18-228.dgn
PLOT DATE : 1/23/2013

STATE PROJECT NUMBER

1022-08-73



B-18-227



B-18-228

CROSS SECTION THRU ROADWAY

(LOOKING EAST)

TOTAL ESTIMATED QUANTITIES

BID ITEM NO.	BID ITEMS	UNIT	WEST ABUTMENT	EAST ABUTMENT	SUPER.	APPROACH APRON	TOTAL
203.0600.S	REMOVING OLD STRUCTURE OVER WATERWAY WITH MINIMAL DEBRIS STA. 407+83	LS	———	———	———	———	1
206.1000	EXCAVATION FOR STRUCTURES BRIDGES B-18-228	LS	———	———	———	———	1
210.0100	BACKFILL STRUCTURE	CY	410	410	———	———	820
502.0100	CONCRETE MASONRY BRIDGES	CY	72	72	401	169	714
502.3200	PROTECTIVE SURFACE TREATMENT	SY	———	———	983	285	1,268
503.0172	PRESTRESSED GIRDER TYPE I72W-INCH	LF	———	———	903	———	903
505.0405	BAR STEEL REINFORCEMENT HS BRIDGES	LB	6,090	6,090	———	———	12,180
505.0605	BAR STEEL REINFORCEMENT HS COATED BRIDGES	LB	2,950	2,930	55,880	27,520	89,280
506.2605	BEARING PADS ELASTOMERIC NON-LAMINATED	EACH	7	7	———	———	14
506.4000	STEEL DIAPHRAGMS B-18-228	EACH	———	———	12	———	12
516.0500	RUBBERIZED MEMBRANE WATERPROOFING	SY	18	18		———	36
550.2128	PILING CIP CONCRETE 12¾x 0.50-INCH	LF	720	1,040	———	———	1,760
606.0300	RIPRAP HEAVY	CY	390	390	———	———	780
612.0406	PIPE UNDERDRAIN WRAPPED 6-INCH	LF	120	120	———	480	720
645.0120	GEOTEXTILE FABRIC TYPE HR	SY	930	930	———	———	1,860
SPV.0085.	BAR STEEL REINFORCEMENT HS STAINLESS BRIDGES	LB	———	———	2,150	———	2,150
	NON - BID ITEMS						
	FILLER	SIZE	———	———	———		½" &¾"

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2" CLEAR UNLESS SHOWN OR NOTED OTHERWISE.

THE TOP LAYER OF BAR STEEL REINFORCEMENT IN THE DECK SHALL BE PLACED WITH 3½" OF CLEAR COVER.

FILLER SHALL CONFORM TO THE REQUIREMENTS OF A.A.S.H.T.O. DESIGNATION M153, TYPES I , II OR III OR M213.

THE AREA OF THE FILL IN FRONT OF THE ABUTMENTS SHALL BE COVERED WITH RIPRAP HEAVY, TO THE LIMITS SHOWN ON SHEET 1, ON THE ABUTMENT SHEETS OR AS DIRECTED BY THE ENGINEER.

THE FIRST DIGIT OF A THREE DIGIT AND THE FIRST TWO DIGITS OF A FOUR DIGIT BAR MARK SIGNIFIES THE BAR SIZE.

FILL/EXCAVATE TO BOTTOM OF ABUTMENT ELEVATION BEFORE DRIVING PILING.

AT THE BACKFACE OF ABUTMENTS, ALL VOLUME WHICH CANNOT BE PLACED BEFORE ABUTMENT CONSTRUCTION AND IS NOT OCCUPIED BY THE NEW STRUCTURE, SHALL BE BACKFILLED WITH BACKFILL STRUCTURE.

THE FINISHED GRADED SECTION SHALL BE THE UPPER LIMITS OF EXCAVATION FOR STRUCTURES.

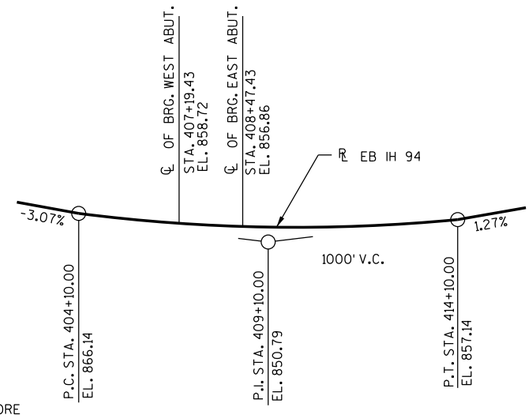
THE ELASTOMERIC BEARING PADS NON-LAMINATED NEED NOT BE INDIVIDUALLY MOLDED PROVIDED THE CUT EDGES ARE SMOOTH AND TRUE.

THE HAUNCH CONCRETE QUANTITY IS BASED ON AN AVERAGE HAUNCH SHOWN ON THE PRESRESSED GIRDER DETAILS SHEET.

ALL STATIONS AND ALL ELEVATIONS ARE IN FEET.

PROTECTIVE SURFACE TREATMENT IS TO BE APPLIED TO THE TOP OF THE DECK, INSIDE FACE OF PARAPETS, AND TOP OF PARAPETS.

THE EXISTING STRUCTURE, B-18-33, IS A THREE PRESTRESSED GIRDER BRIDGE WITH AN OVERALL WIDTH OF 41'-0"± AND AN OVERALL LENGTH OF 148'-0"± AND IS TO BE REMOVED.



PROFILE GRADE LINE, IH 94

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-18-228

DRAWN BY TAW | PLANS CK'D. TR

CROSS SECTION & QUANTITIES

SHEET 2 OF 25

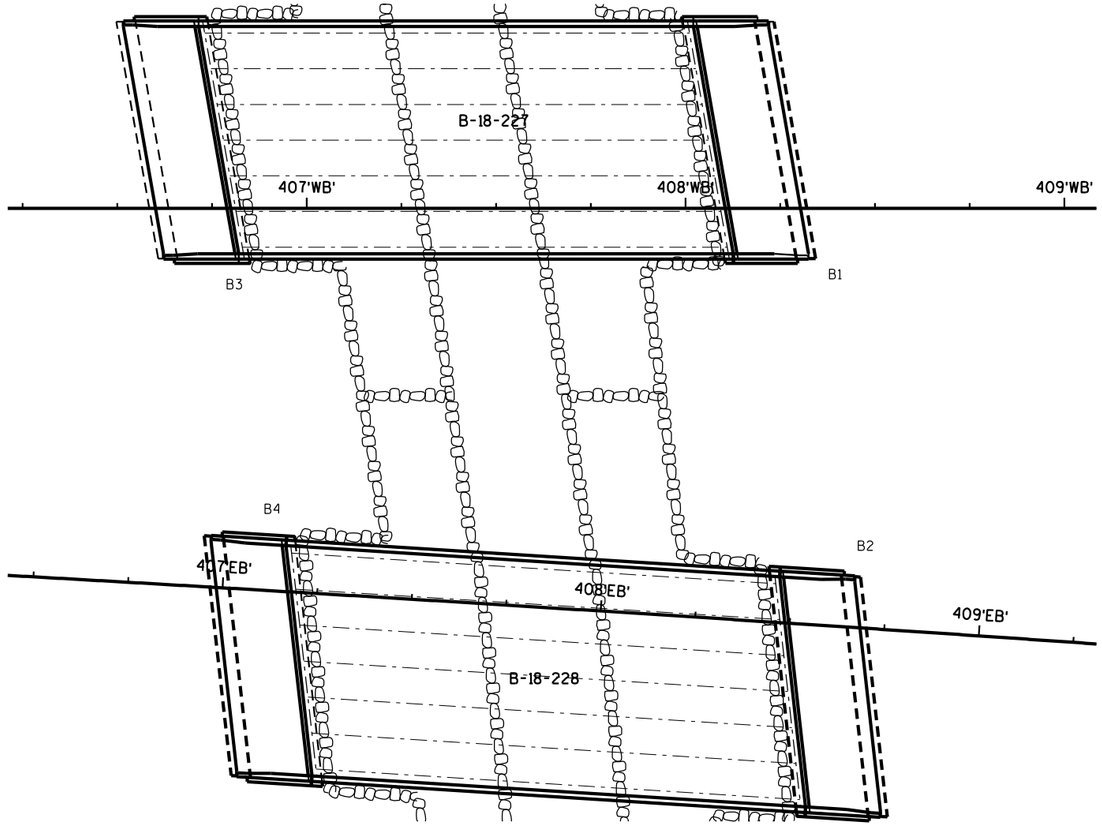
772

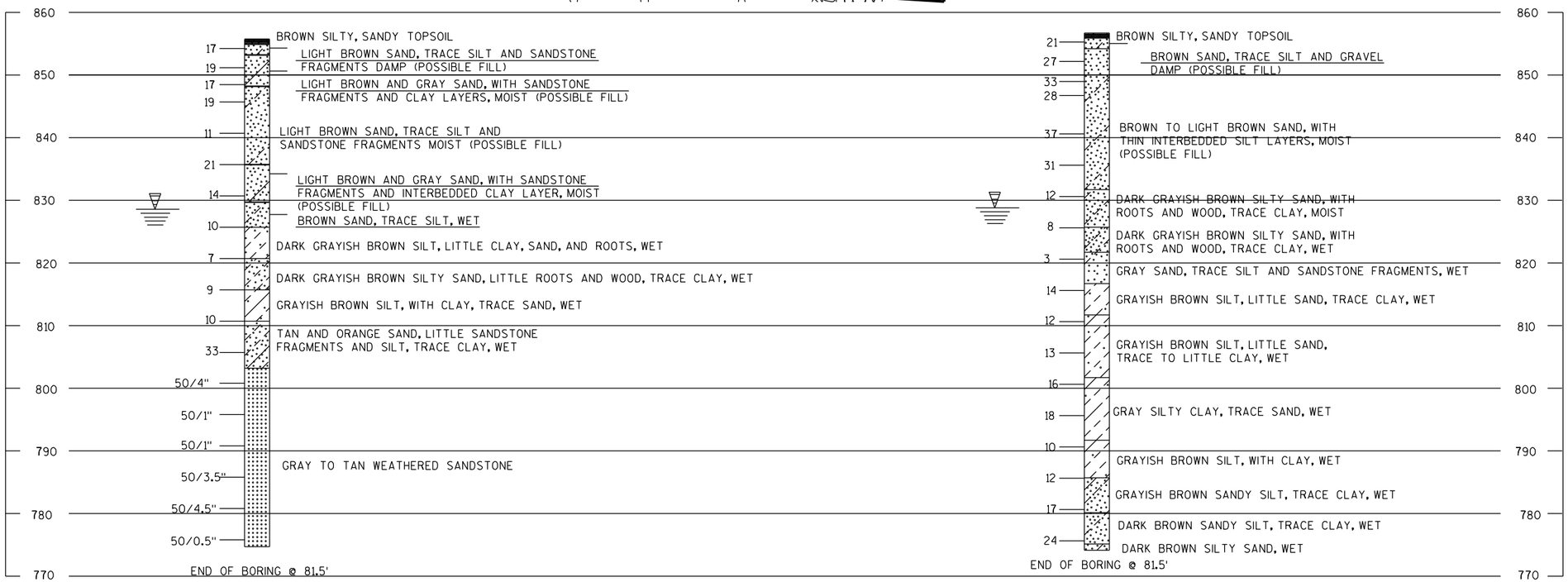
8

8

FILE NAME : P:\159 I-94 - CKOW Hill\B-18-228 dgn\02.section profiles.b-18-228.dgn
PLOT DATE : 1/3/2013

BORINGS TAKEN AUG. 6 & 7, 2012
IH 94 OVER LOWES CREEK
EAU CLAIRE COUNTY, WISCONSIN





STATE PROJECT NUMBER

1022-08-73

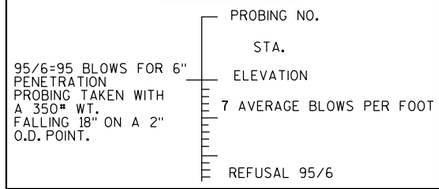
ABBREVIATIONS

F — FINE M — MEDIUM C — COARSE
WS — WEATHERED SO — SOUND

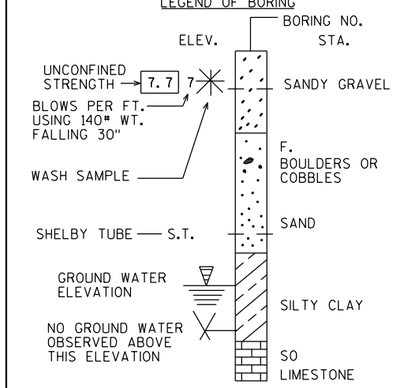
MATERIAL SYMBOLS

TOPSOIL, SILT, SANDSTONE
SAND, PEAT, LIMESTONE
GRAVEL, CLAY, IGNEOUS ROCK

LEGEND OF PROBING



LEGEND OF BORING



UNLESS OTHERWISE SPECIFIED, THE BLOWS PER FOOT AT THE LOCATIONS INDICATED ARE BASED ON DRIVING A 2" O.D. X 1.4" I.D. SPLIT SPOON SAMPLER WITH A 140# HAMMER HAVING A FREE FALL OF 30". THE BLOW COUNT IS TAKEN IN UNDISTURBED SOIL IMMEDIATELY BELOW A CASED OR OPEN HOLE ELIMINATING SIDE FRICTION ON THE DRIVE PIPE.

SUBSURFACE EXPLORATION FOR FOUNDATION DESIGN AND BIDDERS INFORMATION

TO OBTAIN RELATIVE DATA CONCERNING THE CHARACTER OF MATERIAL IN AND UPON WHICH THE FOUNDATION MIGHT BE BUILT, BORINGS AND/OR SOUNDINGS WERE MADE AT POINTS APPROXIMATELY AS INDICATED ON THIS DRAWING. THE DATA PRESENTED HEREIN REPRESENTS THE FINDINGS OF THE SUBSURFACE EXPLORATIONS MADE. HOWEVER, BECAUSE THE DEPTHS INVESTIGATED ARE LIMITED AND THE AREA OF THE BORINGS AND/OR SOUNDINGS IS VERY SMALL IN RELATION TO THE ENTIRE AREA, THE WISCONSIN DEPARTMENT OF TRANSPORTATION DOES NOT WARRANT CONDITIONS BELOW THE DEPTHS INVESTIGATED OR THAT THE CLASSIFICATION OF MATERIAL ENCOUNTERED IN THESE INVESTIGATIONS IS NECESSARILY TYPICAL OF THE ENTIRE SITE.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-18-228

DRAWN BY TR | PLANS CK'D. TAW

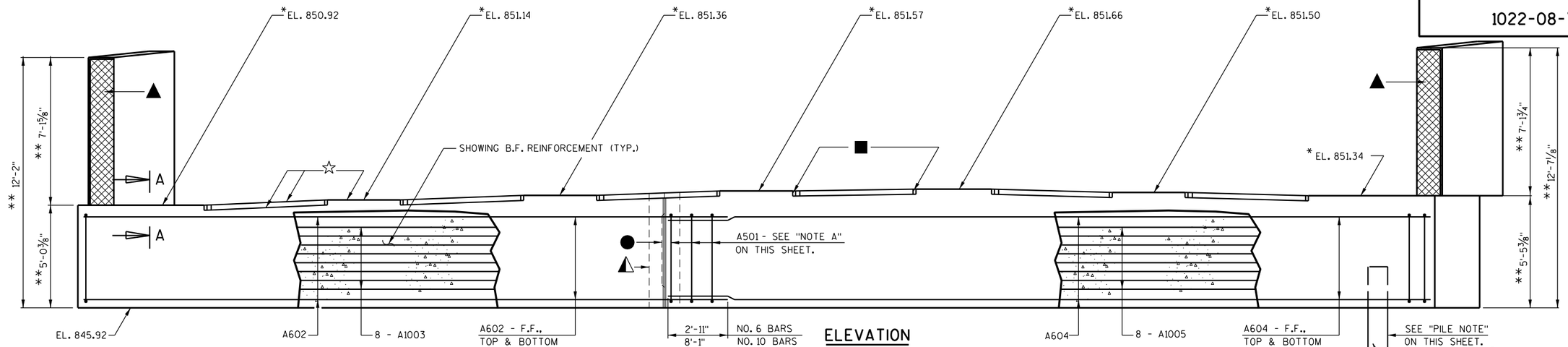
SUBSURFACE EXPLORATION

SHEET 3 OF 25
773

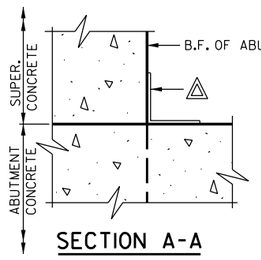
SCALE =

STATE PROJECT NUMBER

1022-08-73



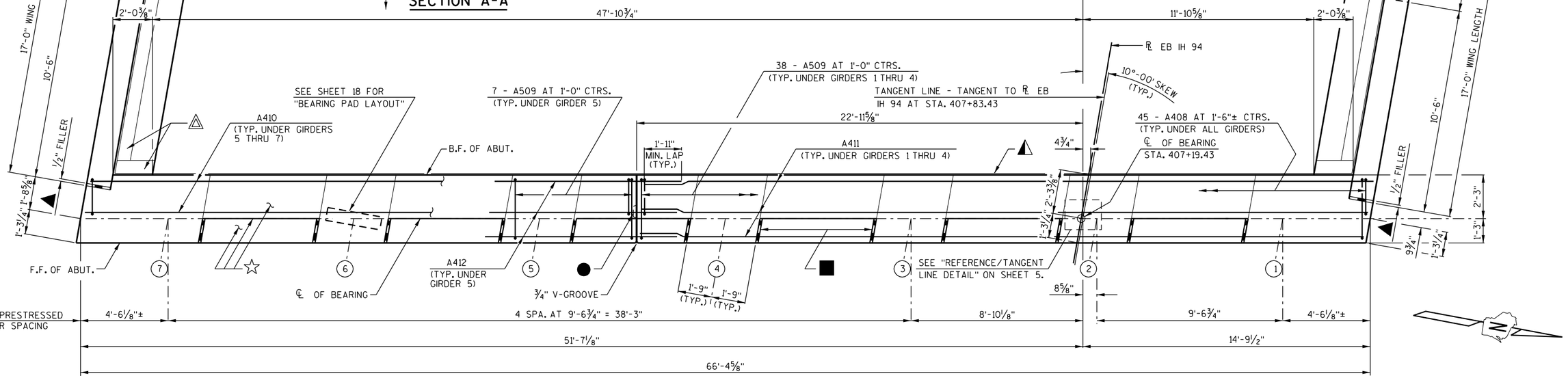
ELEVATION
(LOOKING WEST)



SECTION A-A

NOTES: SEE "PLAN" VIEW AND "TYPICAL SECTION THRU BODY" ON SHEET 8 FOR ADDITIONAL BAR STEEL REINFORCEMENT DETAILS AT GIRDER SEATS.

FOR "TYPICAL SECTION THRU BODY", SEE SHEET 8.



PLAN

LEGEND

- * ELEVATIONS ARE GIVEN AT THE TOP OF CONCRETE AT THE ℄ OF BEARING.
- ** DIMENSIONS AND ELEVATIONS ARE GIVEN AT THE B.F. OF ABUTMENT. FOR WING DETAILS AND ELEVATIONS, SEE SHEETS 6 & 7.
- ◭ 18" RUBBERIZED MEMBRANE WATERPROOFING. SEAL ALL HORIZONTAL AND VERTICAL JOINTS ON BACK FACE.
- ● KEYED CONST. JOINT FORMED BY A BEVELED 2" x 8".
- ▲ ½" FILLER TO EXTEND AS SHOWN. SEAL ALL EXPOSED HORIZONTAL AND VERTICAL SURFACES OF FILLER WITH NON-STAINING GRAY NON-BITUMINOUS JOINT SEALER (1" DEEP AND HOLD ⅛" BELOW SURFACE OF CONCRETE).
- ■ ¾" CORK FILLER ON VERTICAL BEAM SEAT FACES THAT RUN PARALLEL WITH GIRDER.
- (X) INDICATES WING NUMBER
- ☆ STEEL TROWEL TOP SURFACE OF ABUTMENT. PLACE MULTIPLE LAYERS OF POLYETHYLENE SHEETS OVER ENTIRE ABUTMENT TOP BEFORE PLACING SUPERSTRUCTURE. TOTAL THICKNESS OF SHEETS SHALL BE AT LEAST 0.03".
- △ PLACE BOTTOM HALF OF RUBBERIZED MEMBRANE WATERPROOFING HORIZONTAL IN THIS AREA. SEE SECTION A-A ON THIS SHEET.

PILE NOTE

WEST ABUTMENT TO BE SUPPORTED ON PILING CIP 12¾ x 0.50-INCH WITH A REQUIRED DRIVING RESISTANCE OF 210 TONS PER PILE AS DETERMINED BY THE MODIFIED GATES DYNAMIC FORMULA. ESTIMATED 45'-0" LONG. FOR PILE LAYOUT DETAILS, SEE SHEET 5. FOR PILE SPLICE DETAILS, SEE SHEET 8.

NOTE A

A501 BARS SHALL BE SPACED AT 9" CTRS. IN THE OUTSIDE THIRDS OF THE BODY LENGTH AND AT 1'-0" CTRS. IN THE MIDDLE THIRD. SPACE BARS TO MISS PILES. (ONE THIRD OF BODY IS 22'-1"± LONG).

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-18-228

DRAWN BY TAW | PLANS CK'D. TR

WEST ABUTMENT

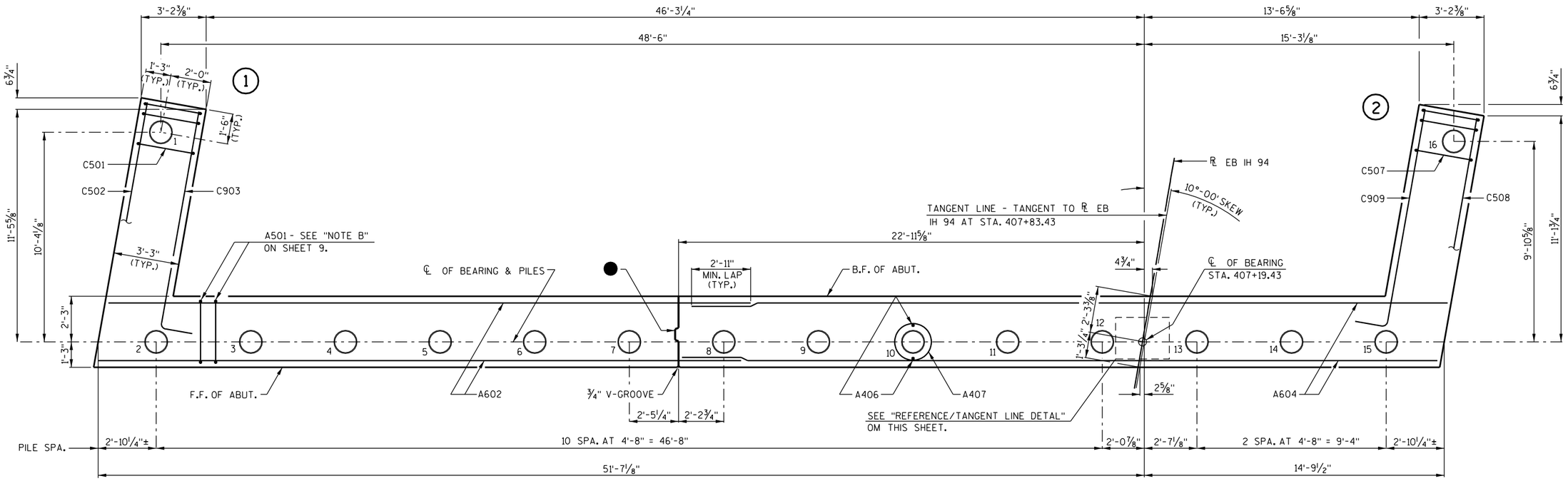
SHEET 4 OF 25
774

FILE NAME : P:\159 I-94 - CHDW Hill\B-18-228 dgn\04_wabut1.b-18-228.dgn
PLOT DATE : 11/20/2012

8

8

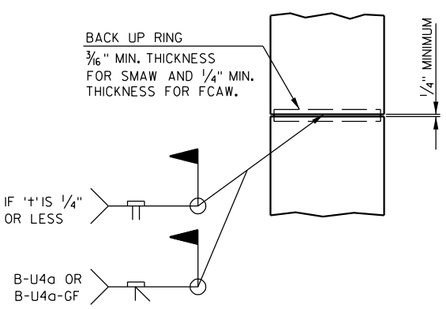
STATE PROJECT NUMBER
1022-08-73



PILE PLAN

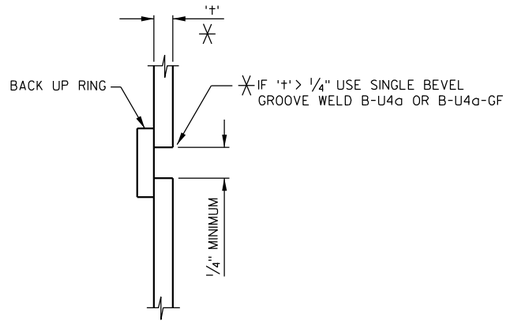
LEGEND

(X) ● * FOR SYMBOL DESCRIPTION, SEE SHEET 4.

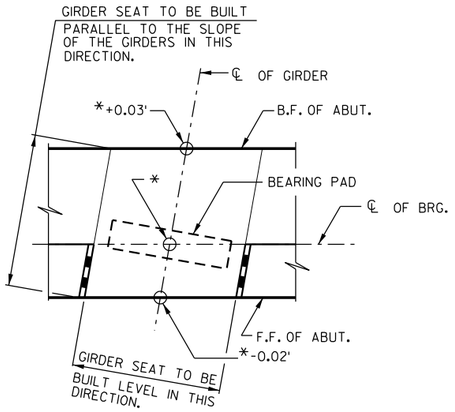


PILE SPLICE DETAIL

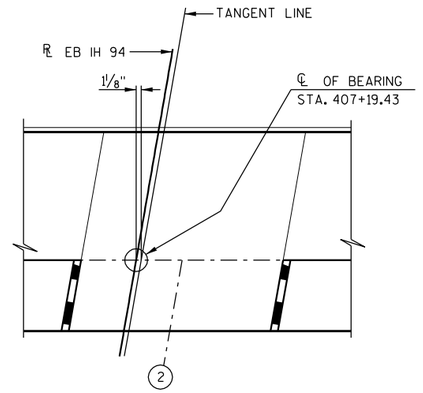
NOTE: CAST-IN-PLACE PILE SHELL MATERIAL SHALL BE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS.



C.I.P. PILE WELD DETAIL



GIRDER SEAT DETAIL



REFERENCE/TANGENT LINE DETAIL

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-18-228

DRAWN BY TAW | PLANS CK'D. TR

WEST ABUTMENT

SHEET 5 OF 25
775

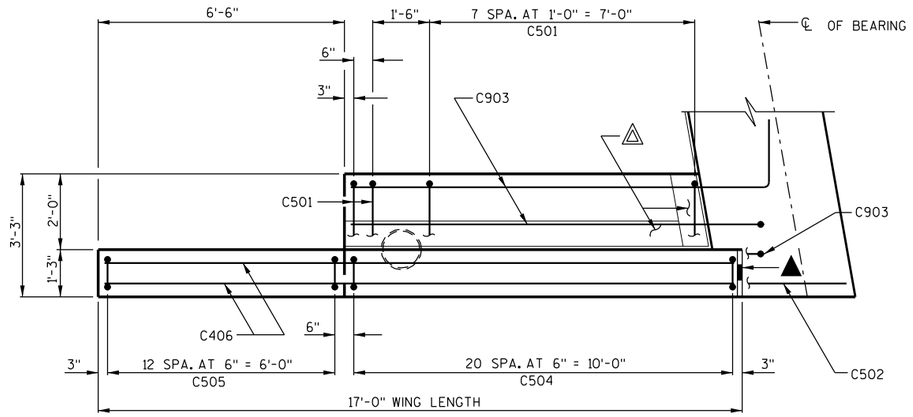
8

8

FILE NAME : P:\159 I-94 - CHDM H.I.\18-228 dgn\05_wabut2_b-18-228.dgn
PLOT DATE : 11/20/2012

STATE PROJECT NUMBER

1022-08-73



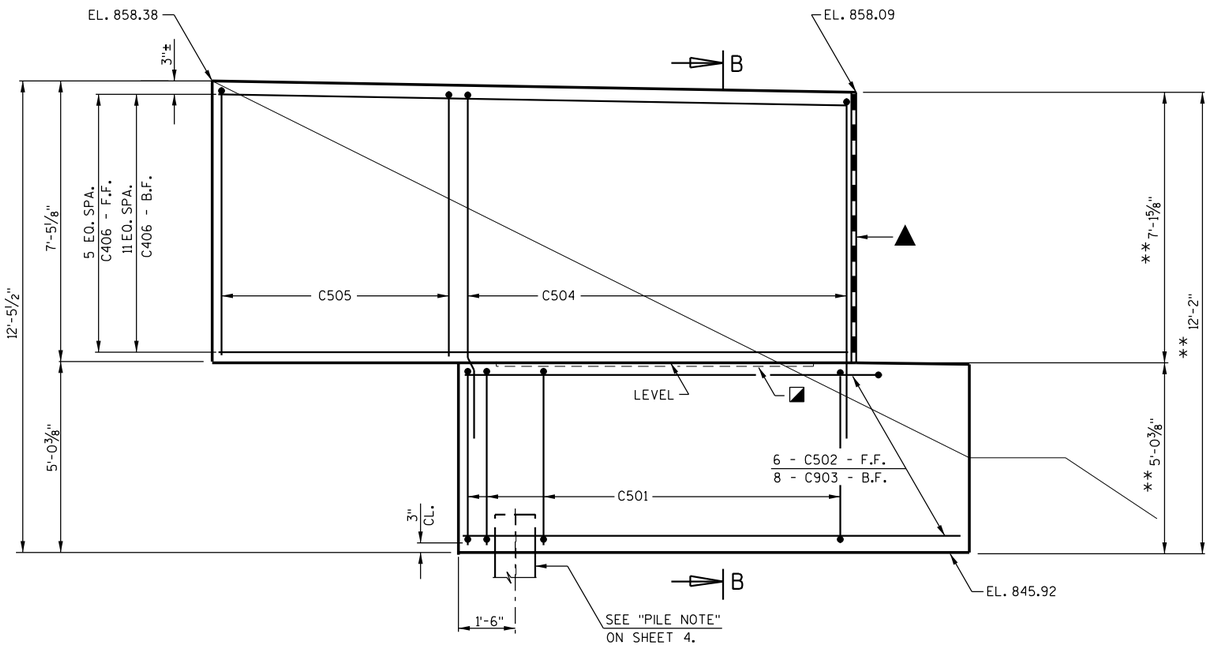
PLAN - WING 1

LEGEND

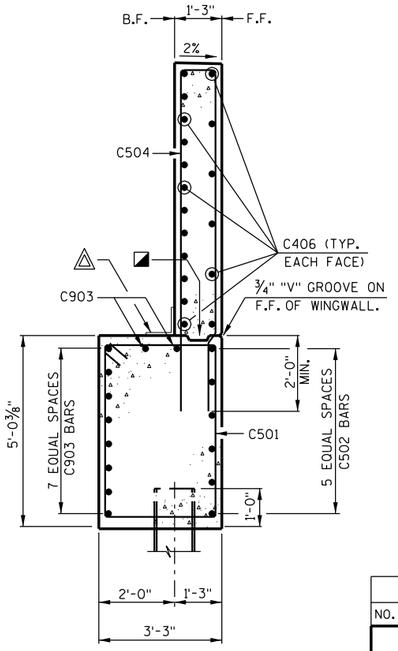
** DIMENSIONS AND ELEVATIONS ARE GIVEN AT THE B.F. OF ABUTMENT.

OPTIONAL CONST. JOINT FORMED BY BEVELED 2" x 6" KEYWAY WITH MEMBRANE ON BACKFACE.

▲ △ FOR SYMBOL DESCRIPTIONS, SEE SHEET 4.



ELEVATION - WING 1



SECTION B-B

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-18-228

DRAWN BY TAW | PLANS CK'D. TR

WING 1

SHEET 6 OF 25
776

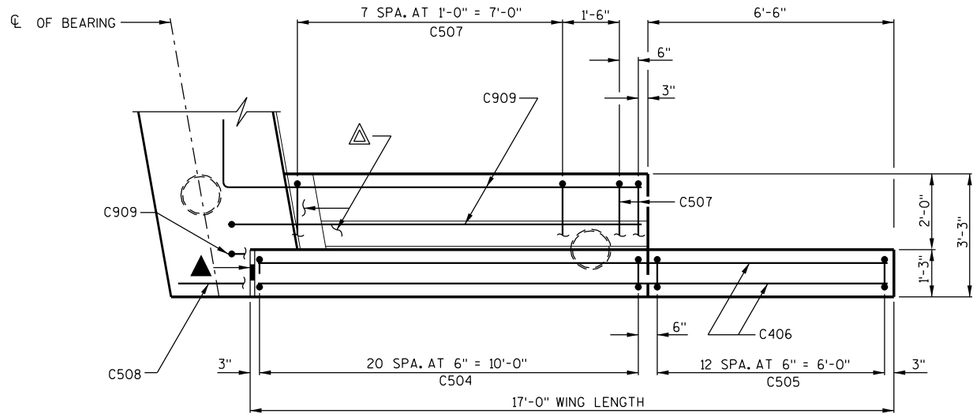
FILE NAME : P:\159 I-94 - CMCW Hill\B-18-228 dgn\06_wing1_b-18-228.dgn
PLOT DATE : 11/20/2012

8

8

STATE PROJECT NUMBER

1022-08-73



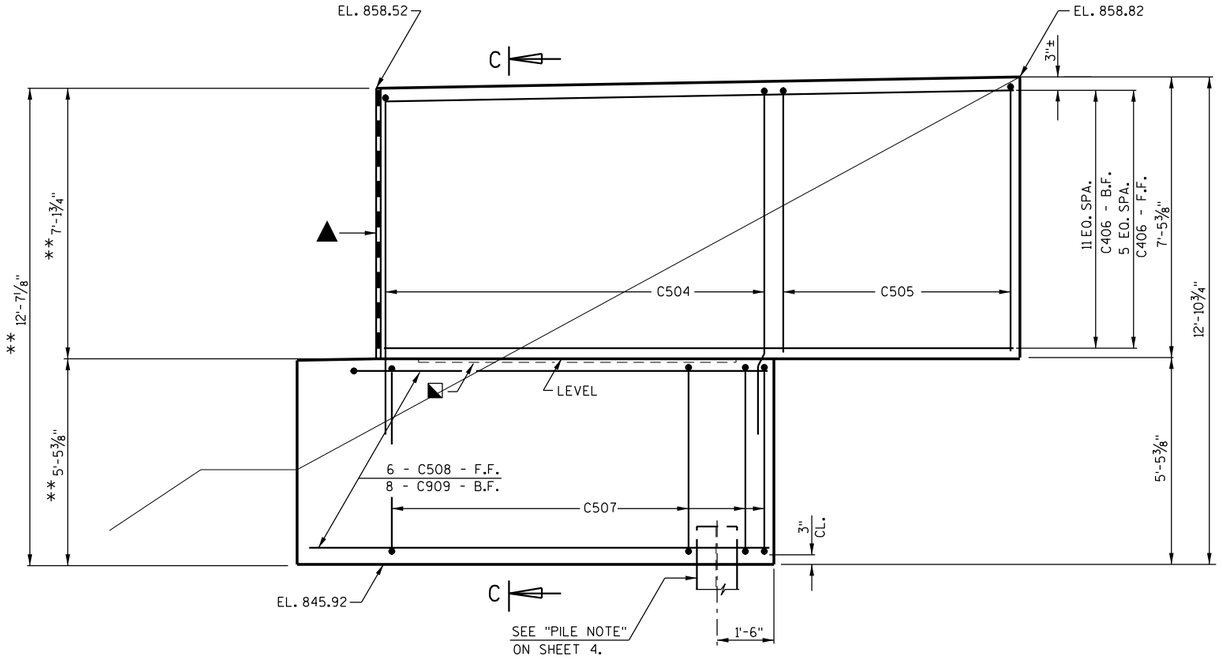
PLAN - WING 2

LEGEND

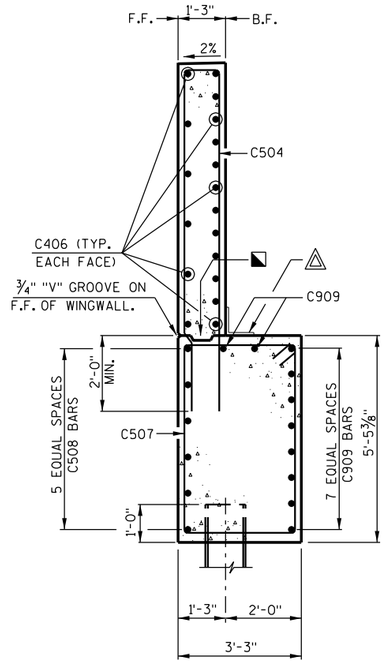
** DIMENSIONS AND ELEVATIONS ARE GIVEN AT THE B.F. OF ABUTMENT.

◪ OPTIONAL CONST. JOINT FORMED BY BEVELED 2" x 6" KEYWAY WITH MEMBRANE ON BACKFACE.

▲ △ FOR SYMBOL DESCRIPTIONS, SEE SHEET 4.



ELEVATION - WING 2



SECTION C-C

FILE NAME : P:\159 I-94 - CKDM Hill\B-18-228 dgn\07.wing2_b-18-228.dgn
PLOT DATE : 11/20/2012

8

8

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-18-228

DRAWN BY TAW | PLANS CK'D. TR

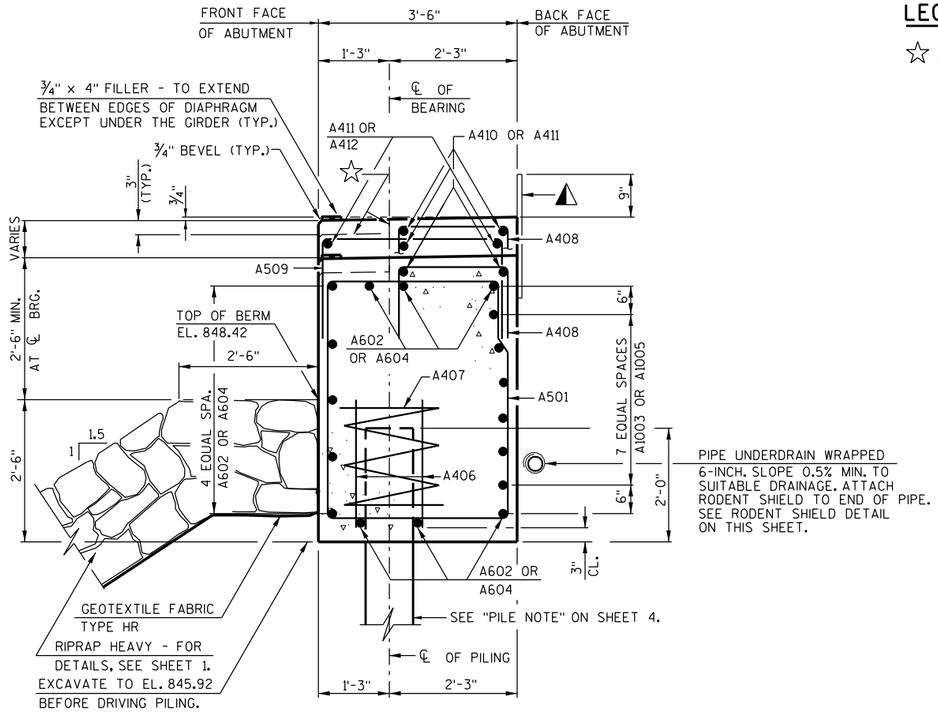
WING 2

SHEET 7 OF 25

777

STATE PROJECT NUMBER

1022-08-73



TYPICAL SECTION THRU BODY

(LOOKING SOUTH)

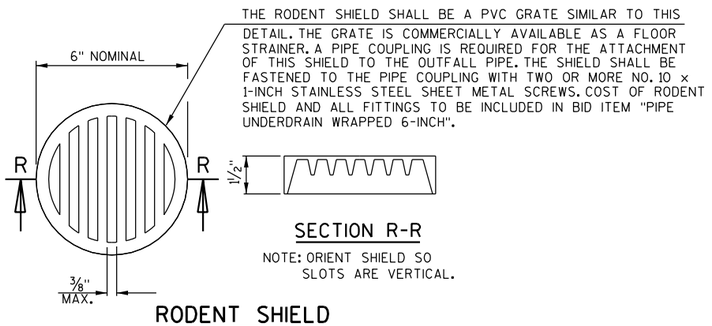
LEGEND

☆ ◭ FOR SYMBOL DESCRIPTIONS, SEE SHEET 4.

BILL OF BARS

DIMENSIONS IN BENDING DETAILS ARE OUT TO OUT OF BAR.

MARK	NO. REQ'D.	LENGTH	BENT	BAR SERIES	LOCATION
UNCOATED BARS					TOTAL WEIGHT = 6,090 LBS.
A501	82	15-7	X		BODY - STIRRUPS VERT.
A602	11	31-9			BODY - TOP, BOTTOM & F.F. HORIZ.
A1003	8	38-6	X		BODY - B.F. HORIZ.
A604	11	37-3			BODY - TOP, BOTTOM & F.F. HORIZ.
A1005	8	38-6	X		BODY - B.F. HORIZ.
A406	28	2-3			BODY - AT PILES - 2 PER PILE VERT.
A407	14	28-0	X		BODY - AT PILES - 1 PER PILE - SPIRAL WRAP VERT.
A408	45	5-9	X		BODY - TOP - AT GIRDERS 1 THRU 7 VERT.
A509	45	6-5	X		BODY - TOP - AT GIRDERS 1 THRU 5 VERT.
A410	2	30-6			BODY - TOP - AT GIRDERS 5 THRU 7 HORIZ.
A411	5	37-3			BODY - TOP - AT GIRDERS 1 THRU 4 HORIZ.
A412	3	9-11			BODY - TOP - GIRDER 5 HORIZ.
EPOXY COATED BARS					TOTAL WEIGHT = 2,950 LBS.
C501	10	15-7	X		WING 1 - STIRRUPS VERT.
C502	6	12-11			WING 1 - BOTTOM - F.F. HORIZ.
C903	10	12-3	X		WING 1 - BOTTOM - B.F. & TOP HORIZ.
C504	42	18-8	X		WINGS 1 & 2 - F.F. & B.F. VERT.
C505	26	14-8	X		WINGS 1 & 2 - F.F. & B.F. VERT.
C406	36	16-8			WINGS 1 & 2 - F.F. & B.F. HORIZ.
C507	10	16-5	X		WING 2 - STIRRUPS VERT.
C508	6	12-1			WING 2 - BOTTOM - F.F. HORIZ.
C909	10	12-6	X		WING 2 - BOTTOM - B.F. & TOP HORIZ.

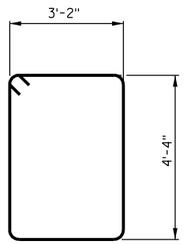


THE RODENT SHIELD SHALL BE A PVC GRATE SIMILAR TO THIS DETAIL. THE GRATE IS COMMERCIALLY AVAILABLE AS A FLOOR STRAINER. A PIPE COUPLING IS REQUIRED FOR THE ATTACHMENT OF THIS SHIELD TO THE OUTFALL PIPE. THE SHIELD SHALL BE FASTENED TO THE PIPE COUPLING WITH TWO OR MORE NO. 10 x 1-INCH STAINLESS STEEL SHEET METAL SCREWS. COST OF RODENT SHIELD AND ALL FITTINGS TO BE INCLUDED IN BID ITEM "PIPE UNDERDRAIN WRAPPED 6-INCH".

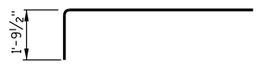
SECTION R-R

NOTE: ORIENT SHIELD SO SLOTS ARE VERTICAL.

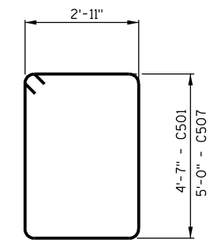
RODENT SHIELD



A501



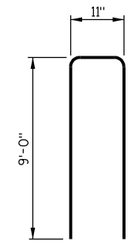
A1003 & A1005



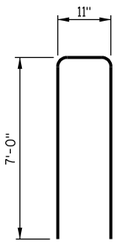
C501 & C507



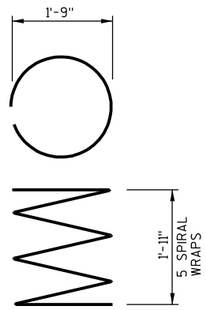
C903 & C909



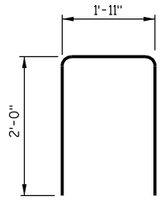
C504



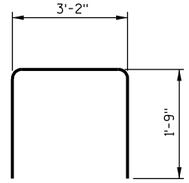
C505



A407



A408



A509

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-18-228

DRAWN BY TAW | PLANS CK'D. TR

WEST ABUTMENT DETAILS

SHEET 8 OF 25
778

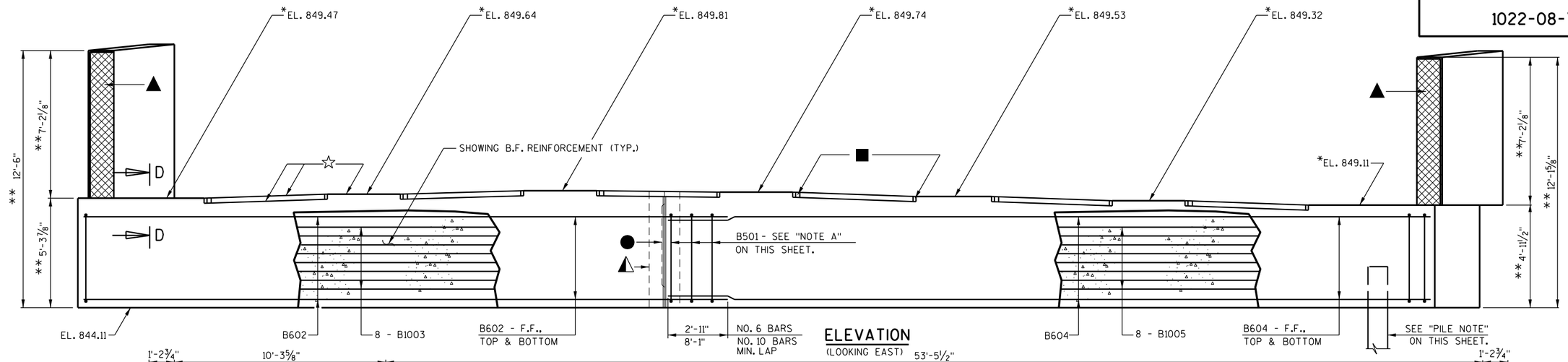
8

8

FILE NAME : P:\159 I-94 - CROM HILL\B-18-228 dgn\08.wabutdet.b-18-228.dgn
PLOT DATE : 11/20/2012

STATE PROJECT NUMBER

1022-08-73



ELEVATION

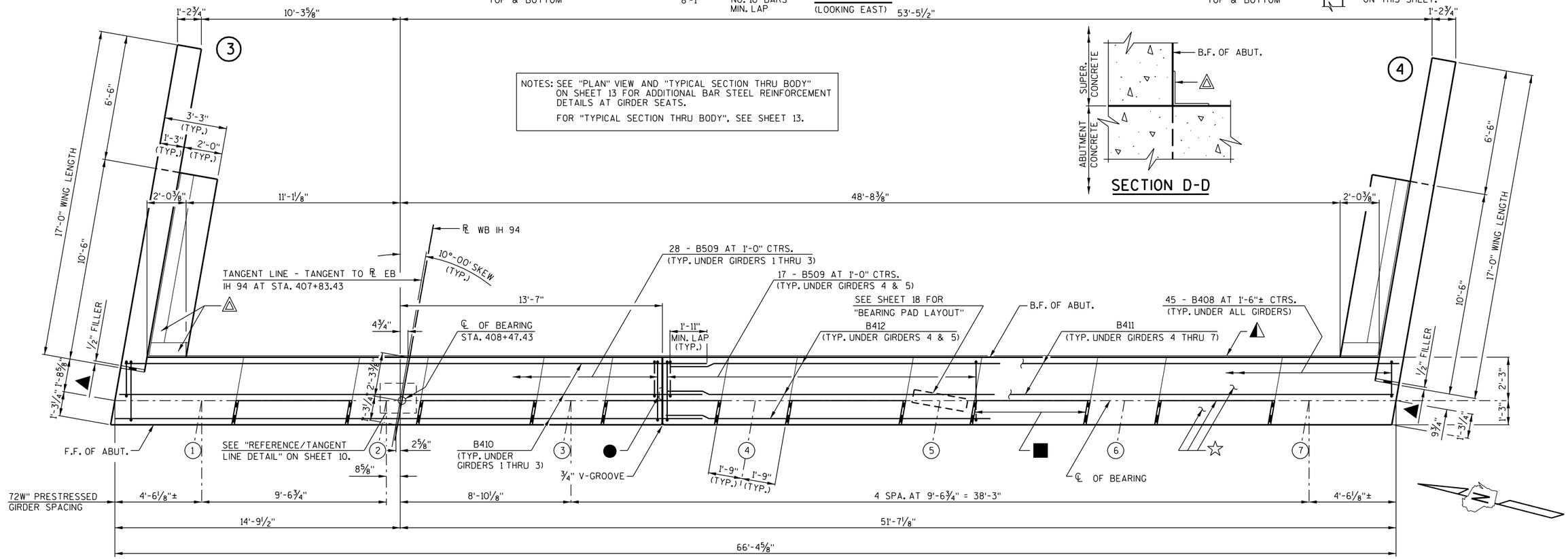
(LOOKING EAST)

1'-2 3/4" 10'-3 5/8" 53'-5 1/2" 1'-2 3/4"

NOTES: SEE "PLAN" VIEW AND "TYPICAL SECTION THRU BODY" ON SHEET 13 FOR ADDITIONAL BAR STEEL REINFORCEMENT DETAILS AT GIRDER SEATS.

FOR "TYPICAL SECTION THRU BODY", SEE SHEET 13.

SECTION D-D



PLAN

LEGEND

- * ELEVATIONS ARE GIVEN AT THE TOP OF CONCRETE AT THE ℄ OF BEARING.
- ** DIMENSIONS AND ELEVATIONS ARE GIVEN AT THE B.F. OF ABUTMENT. FOR WING DETAILS AND ELEVATIONS, SEE SHEETS 11 & 12.
- ◭ 18" RUBBERIZED MEMBRANE WATERPROOFING. SEAL ALL HORIZONTAL AND VERTICAL JOINTS ON BACK FACE.
- ● KEYED CONST. JOINT FORMED BY A BEVELED 2" × 8".
- ▲ 1/2" FILLER TO EXTEND AS SHOWN. SEAL ALL EXPOSED HORIZONTAL AND VERTICAL SURFACES OF FILLER WITH NON-STAINING GRAY NON-BITUMINOUS JOINT SEALER (1" DEEP AND HOLD 1/8" BELOW SURFACE OF CONCRETE).
- ■ 3/4" CORK FILLER ON VERTICAL BEAM SEAT FACES THAT RUN PARALLEL WITH GIRDER.
- (X) INDICATES WING NUMBER
- ☆ STEEL TROWEL TOP SURFACE OF ABUTMENT. PLACE MULTIPLE LAYERS OF POLYETHYLENE SHEETS OVER ENTIRE ABUTMENT TOP BEFORE PLACING SUPERSTRUCTURE. TOTAL THICKNESS OF SHEETS SHALL BE AT LEAST 0.03".
- ◬ PLACE BOTTOM HALF OF RUBBERIZED MEMBRANE WATERPROOFING HORIZONTAL IN THIS AREA. SEE SECTION D-D ON THIS SHEET.

PILE NOTE

EAST ABUTMENT TO BE SUPPORTED ON PILING CIP 12 3/4 × 0.50-INCH WITH A REQUIRED DRIVING RESISTANCE OF 210 TONS PER PILE AS DETERMINED BY THE MODIFIED GATES DYNAMIC FORMULA. ESTIMATED 45'-0" LONG. FOR PILE LAYOUT DETAILS, SEE SHEET 10. FOR PILE SPLICE DETAILS, SEE SHEET 8.

NOTE B

B501 BARS SHALL BE SPACED AT 9" CTRS. IN THE OUTSIDE THIRDS OF THE BODY LENGTH AND AT 1'-0" CTRS. IN THE MIDDLE THIRD. SPACE BARS TO MISS PILES. (ONE THIRD OF BODY IS 22'-1"± LONG).

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-18-228

DRAWN BY TAW | PLANS CK'D. TR

EAST ABUTMENT

SHEET 9 OF 25

779

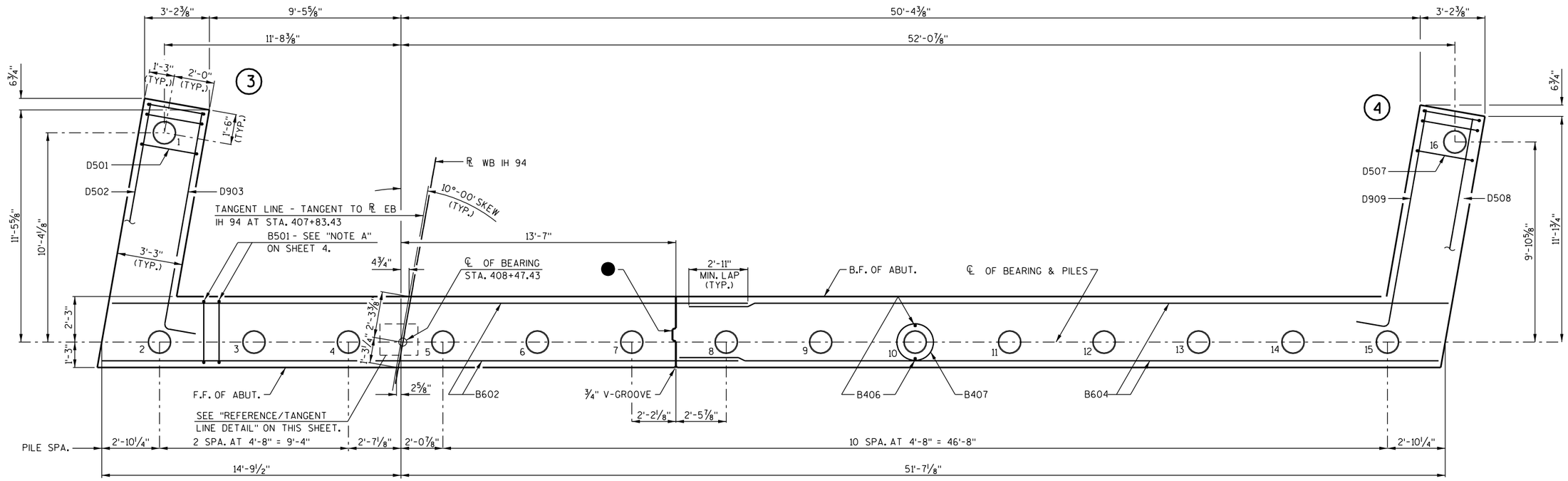
FILE NAME : P:\159 I-94 - CKDW Hill\B-18-228 dgn\09_eabut1.b-18-228.dgn
PLOT DATE : 11/20/2012

8

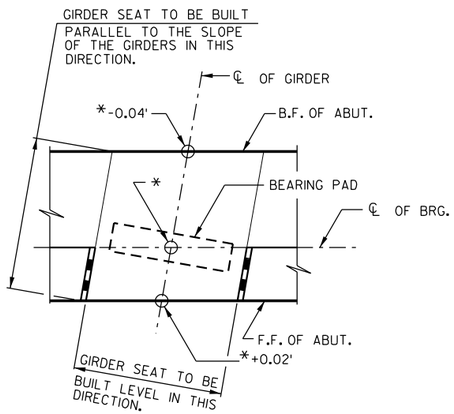
8

STATE PROJECT NUMBER

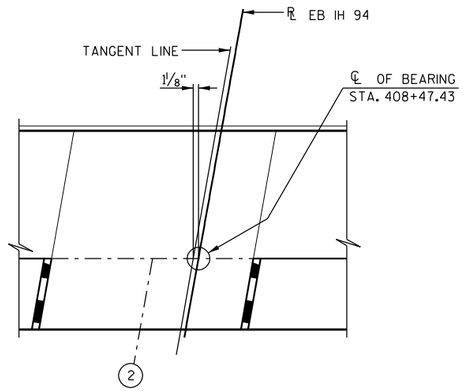
1022-08-73



PILE PLAN



GIRDER SEAT DETAIL



REFERENCE/TANGENT LINE DETAIL

LEGEND

(X) ● * FOR SYMBOL DESCRIPTION, SEE SHEET 9.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-18-228

DRAWN BY TAW | PLANS CK'D. TR

EAST ABUTMENT

SHEET 10 OF 25
780

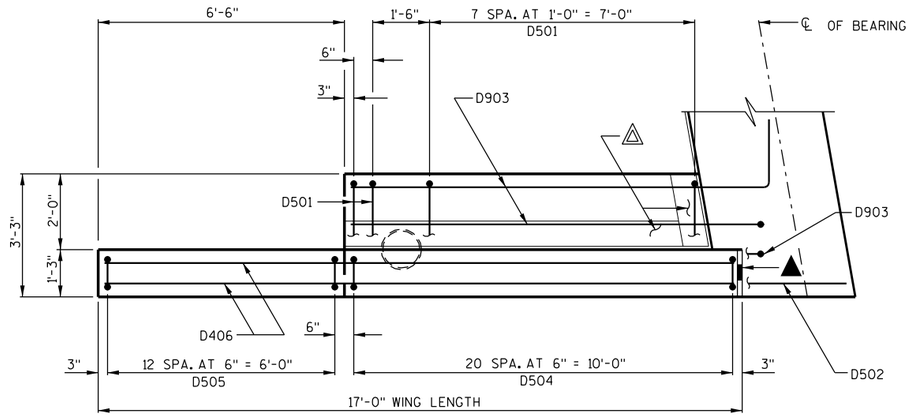
FILE NAME : P:\159 I-94 - CHDM Hill\B-18-228 dgn\10.eabut2.b-18-228.dgn
PLOT DATE : 11/20/2012

8

8

STATE PROJECT NUMBER

1022-08-73



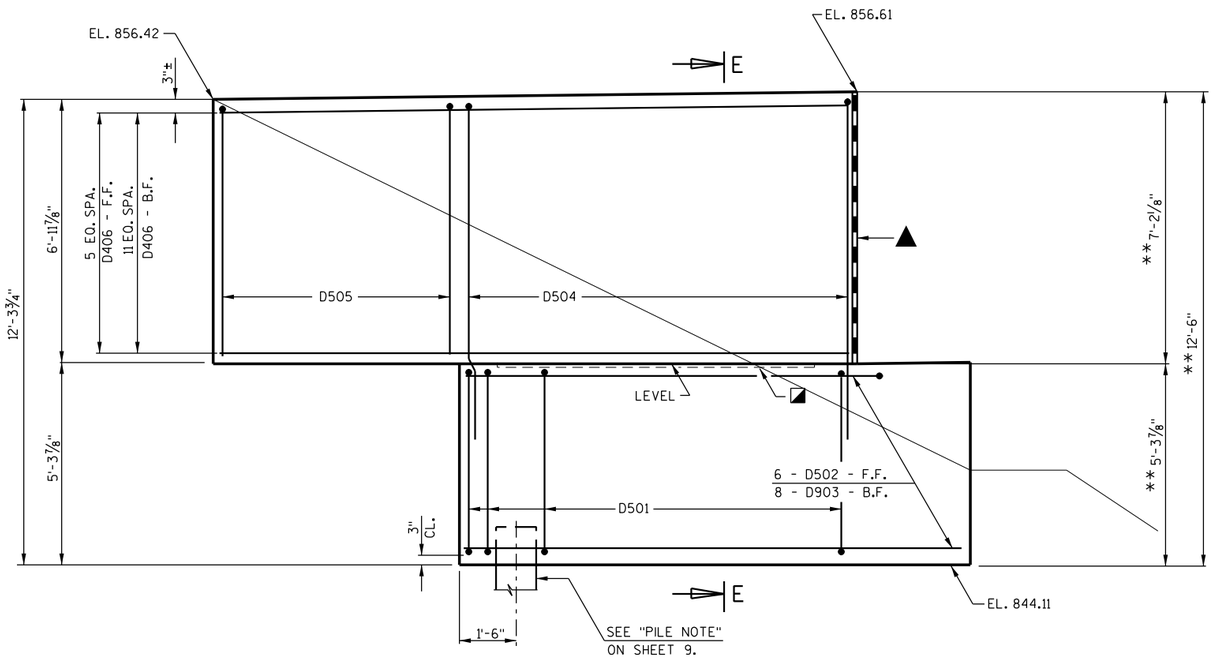
PLAN - WING 3

LEGEND

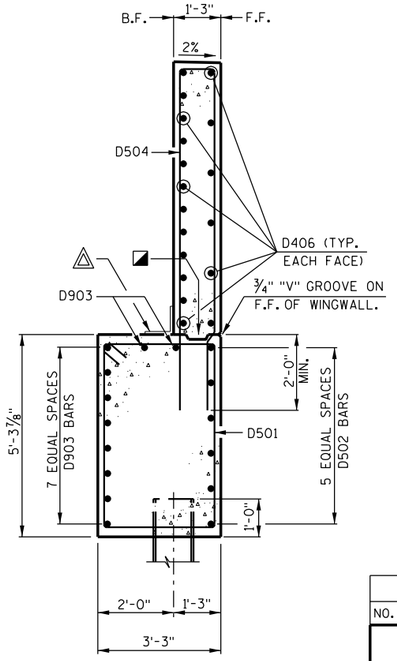
** DIMENSIONS AND ELEVATIONS ARE GIVEN AT THE B.F. OF ABUTMENT.

◪ OPTIONAL CONST. JOINT FORMED BY BEVELED 2" x 6" KEYWAY WITH MEMBRANE ON BACKFACE.

▲ △ FOR SYMBOL DESCRIPTIONS, SEE SHEET 9.



ELEVATION - WING 3



SECTION E-E

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-18-228

DRAWN BY TAW | PLANS CK'D. TR

WING 3

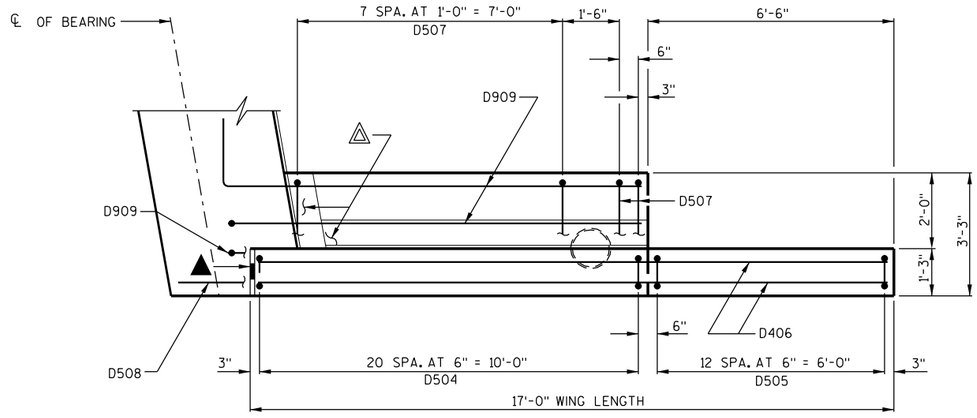
SHEET 11 OF 25
781

FILE NAME : P:\159 I-94 - CMDM Hill\B-18-228 dgn\11_wing3_b-18-228.dgn
PLOT DATE : 11/20/2012

8

8

STATE PROJECT NUMBER
1022-08-73



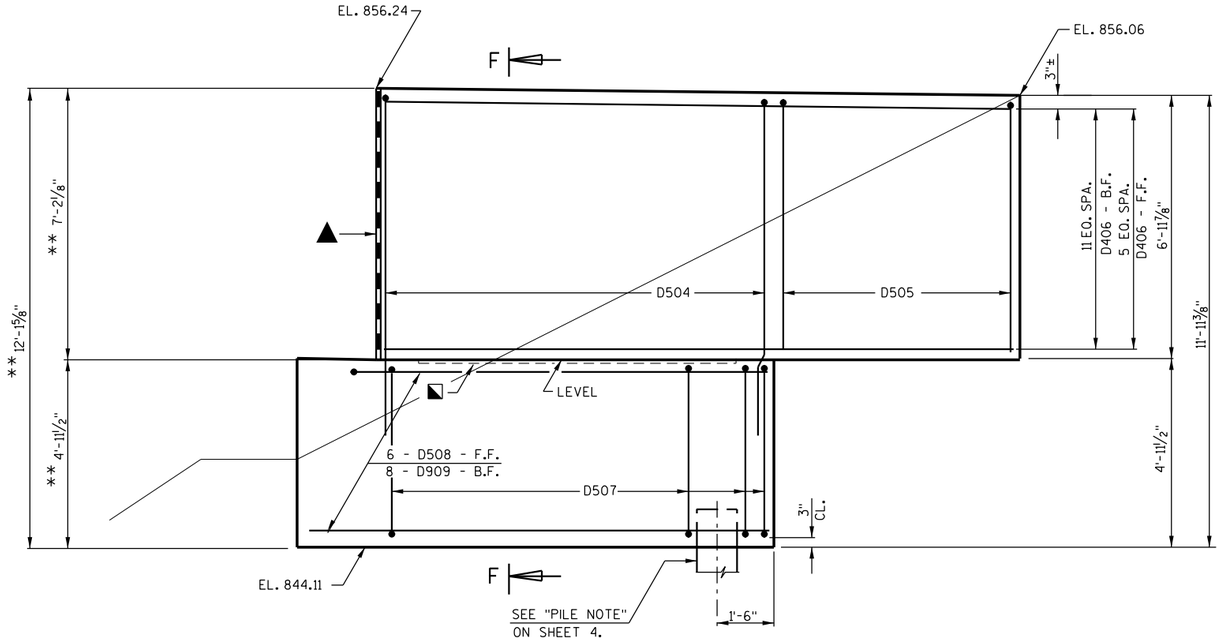
PLAN - WING 4

LEGEND

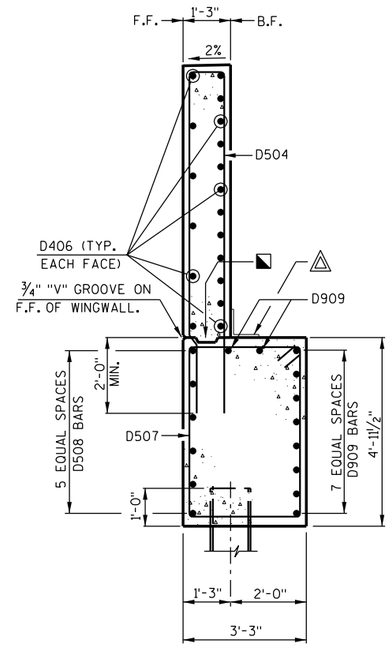
** DIMENSIONS AND ELEVATIONS ARE GIVEN AT THE B.F. OF ABUTMENT.

◪ OPTIONAL CONST. JOINT FORMED BY BEVELED 2" × 6" KEYWAY WITH MEMBRANE ON BACKFACE.

▲ △ FOR SYMBOL DESCRIPTIONS, SEE SHEET 9.



ELEVATION - WING 4



SECTION F-F

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-18-228

DRAWN BY TAW | PLANS CK'D. TR

WING 4

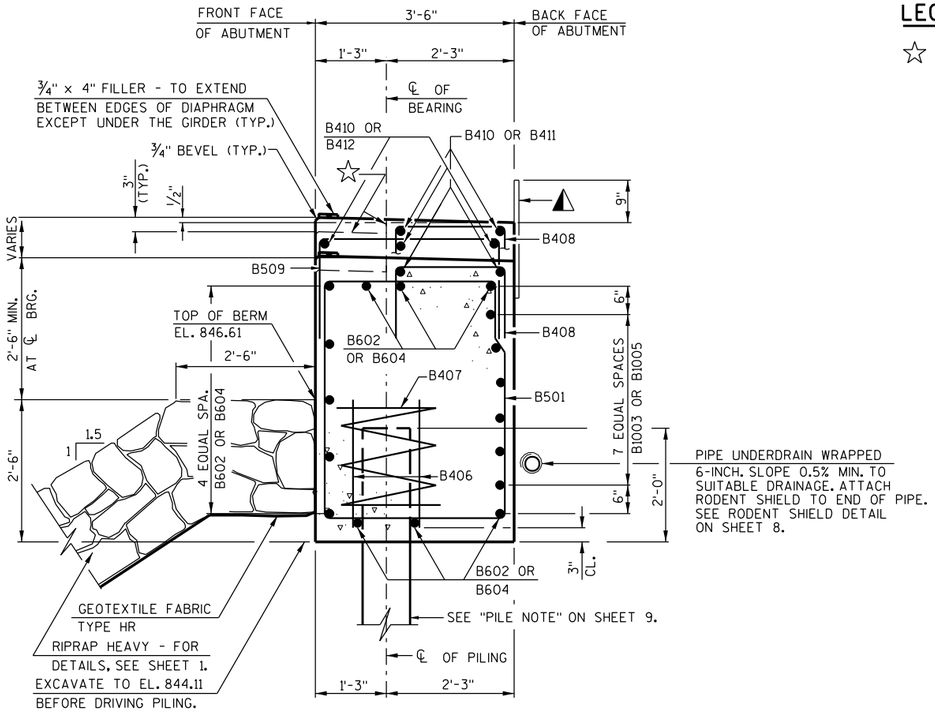
SHEET 12 OF 25
782

FILE NAME : P:\159 I-94 - GRDM Hill\B-18-228 dgn\12_wing4_b-18-228.dgn
PLOT DATE : 11/20/2012

8

8

STATE PROJECT NUMBER
1022-08-73



TYPICAL SECTION THRU BODY
(LOOKING NORTH)

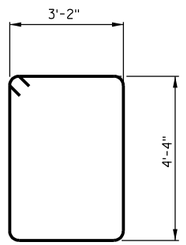
LEGEND

☆ ◭ FOR SYMBOL DESCRIPTIONS, SEE SHEET 9.

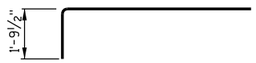
BILL OF BARS

DIMENSIONS IN BENDING DETAILS ARE OUT TO OUT OF BAR.

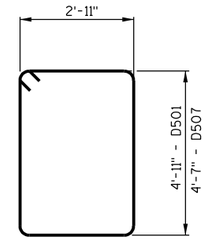
MARK	NO. REQ'D.	LENGTH	BENT	BAR SERIES	LOCATION
UNCOATED BARS					TOTAL WEIGHT = 6,090 LBS.
B501	82	15-7	X		BODY - STIRRUPS VERT.
B602	11	31-6			BODY - TOP, BOTTOM & F.F. HORIZ.
B1003	8	38-3	X		BODY - B.F. HORIZ.
B604	11	37-6			BODY - TOP, BOTTOM & F.F. HORIZ.
B1005	8	38-9	X		BODY - B.F. HORIZ.
B406	28	2-3			BODY - AT PILES - 2 PER PILE VERT.
B407	14	28-0	X		BODY - AT PILES - 1 PER PILE - SPIRAL WRAP VERT.
B408	45	5-9	X		BODY - TOP - AT GIRDERS 1 THRU 7 VERT.
B509	45	6-5	X		BODY - TOP - AT GIRDERS 1 THRU 5 VERT.
B410	5	30-3			BODY - TOP - AT GIRDERS 1 THRU 3 HORIZ.
B411	2	37-9			BODY - TOP - AT GIRDERS 4 THRU 7 HORIZ.
B412	3	17-2			BODY - TOP - GIRDERS 4 & 5 HORIZ.
EPOXY COATED BARS					TOTAL WEIGHT = 2,930 LBS.
D501	10	16-3	X		WING 3 - STIRRUPS VERT.
D502	6	12-11			WING 3 - BOTTOM - F.F. HORIZ.
D903	10	12-3	X		WING 3 - BOTTOM - B.F. & TOP HORIZ.
D504	42	18-8	X		WINGS 3 & 4 - F.F. & B.F. VERT.
D505	26	13-10	X		WINGS 3 & 4 - F.F. & B.F. VERT.
D406	36	16-8			WINGS 3 & 4 - F.F. & B.F. HORIZ.
D507	10	15-7	X		WING 4 - STIRRUPS VERT.
D508	6	12-1			WING 4 - BOTTOM - F.F. HORIZ.
D909	10	12-6	X		WING 4 - BOTTOM - B.F. & TOP HORIZ.



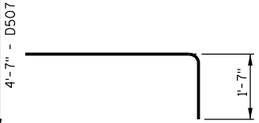
B501



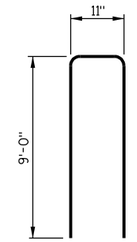
B1003 & B1005



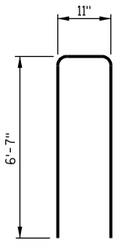
D501 & D507



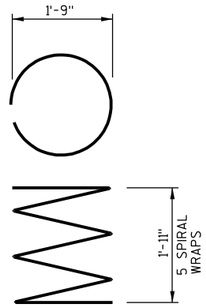
D903 & D909



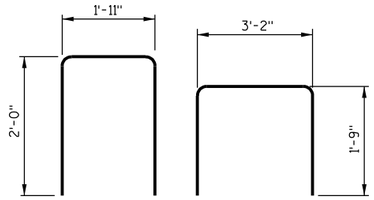
D504



D505



B407



B408 B509

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-18-228

DRAWN BY TAW | PLANS CK'D. TR

EAST ABUTMENT DETAILS

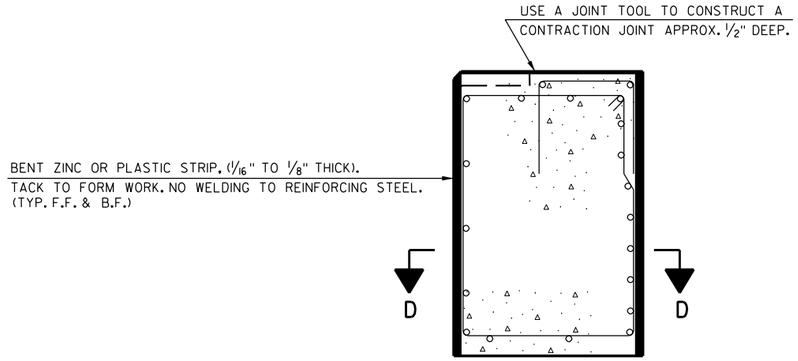
SHEET 13 OF 25
783

8

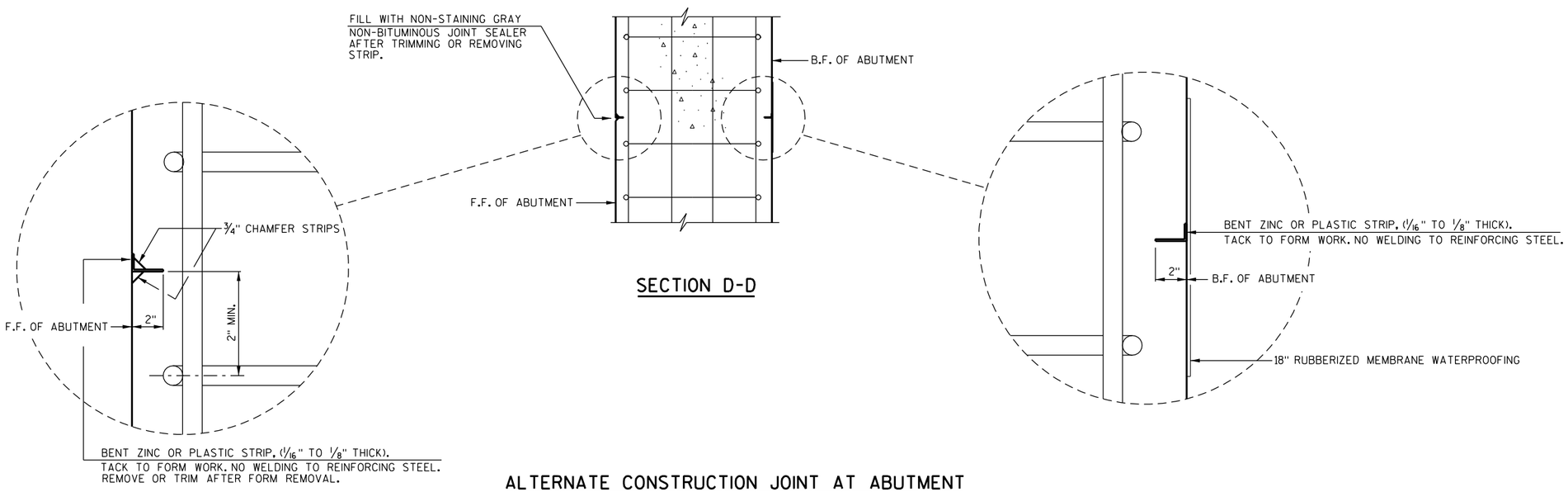
8

FILE NAME : P:\159 I-94 - CH2M Hill\B-18-228 dgn\13.eabutdet.b-18-228.dgn
PLOT DATE : 11/20/2012

STATE PROJECT NUMBER
1022-08-73



SECTION THRU ABUTMENT BODY



SECTION D-D

ALTERNATE CONSTRUCTION JOINT AT ABUTMENT

FILE NAME : P:\159 I-94 - C&DW Hill\B-18-228 dgn\14_altconstjt_b-18-228.dgn
PLOT DATE : 10/17/2012

8

8

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-18-228

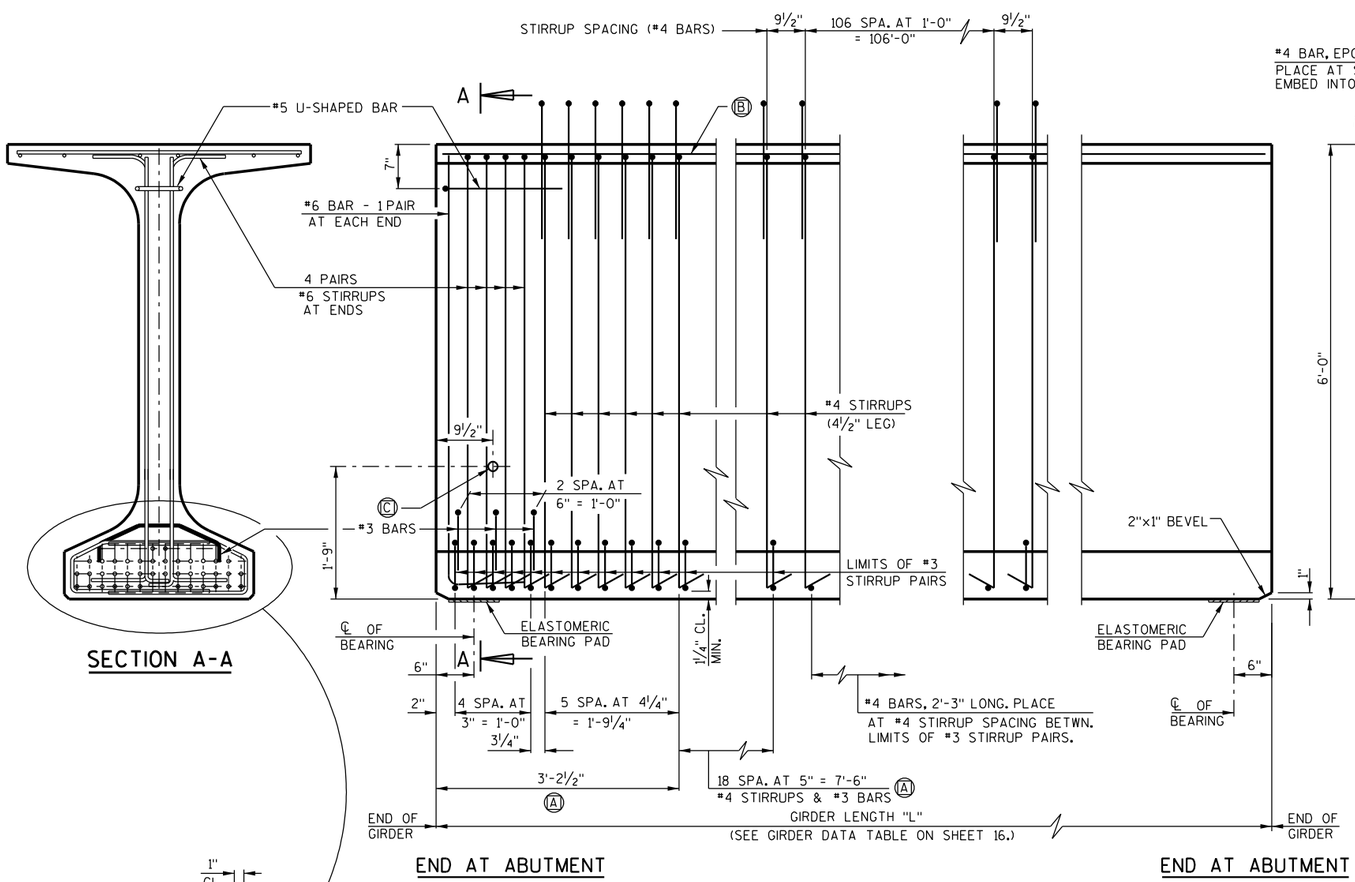
DRAWN BY TAW | PLANS CK'D. TR

ALTERNATE CONSTRUCTION JOINT

SHEET 14 OF 25
784

STATE PROJECT NUMBER

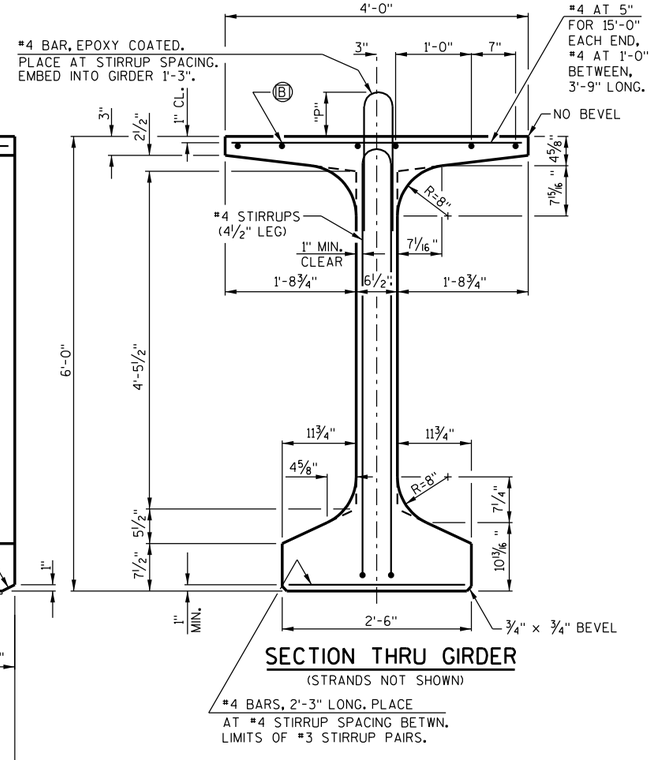
1022-08-73



SECTION A-A

END AT ABUTMENT

END AT ABUTMENT



SECTION THRU GIRDER

(STRANDS NOT SHOWN)

#4 BARS, 2'-3" LONG. PLACE AT #4 STIRRUP SPACING BETWN. LIMITS OF #3 STIRRUP PAIRS.

NOTES: FOR GIRDER DATA AND STRAND PATTERN DETAILS, SEE SHEET 16.
FOR DIMENSION "P", SEE GIRDER DATA TABLE ON SHEET 16.

GIRDER NOTES

TOP OF GIRDER TO BE ROUGH FLOATED AND BROOMED TRANSVERSELY EXCEPT THE OUTSIDE 8" OF GIRDER, WHICH SHALL RECEIVE A SMOOTH FINISH. AN APPROVED CONCRETE SEALER SHALL BE APPLIED TO ALL SMOOTH SURFACES INCLUDING THE OUTSIDE 15" OF THE TOP FLANGE.

DO NOT APPLY CONCRETE SEALER TO SURFACES RECEIVING APPLICATION OF CONCRETE STAINING.

THE GIRDERS SHALL BE PROVIDED WITH A SUITABLE LIFTING DEVICE FOR HANDLING AND ERECTING THE GIRDERS.

STRANDS SHALL BE FLUSH WITH THE END OF GIRDER. FOR GIRDER ENDS EMBEDDED COMPLETELY IN CONCRETE, ENDS OF STRANDS SHALL BE COATED WITH NON-BITUMINOUS JOINT SEALER. FOR GIRDER ENDS THAT ARE FINALLY EXPOSED, COAT THE GIRDER ENDS, EXPOSED STRAND ENDS AND ALL NON-BONDING SURFACES WITHIN 2 FEET OF THE GIRDER ENDS WITH A NON-PIGMENTED EPOXY CONFORMING TO AASHTO M-235 TYPE III, CLASS B OR C. THE EPOXY SHALL BE APPLIED AT LEAST 3 DAYS AFTER MOIST CURING HAS CEASED AND PRIOR TO APPLICATION OF THE SEALER.

ALL GIRDERS SHALL BE CAST FULL LENGTH AS SHOWN.

SPACING SHOWN FOR #4 STIRRUPS IS FOR GRADE 60 REINFORCEMENT. IF THE FABRICATOR WANTS TO BUILD A BAR STEEL CAGE BY WELDING LONGITUDINAL REINFORCEMENT TO THE #4 STIRRUPS, ONE OPTION IS AVAILABLE:

USE ASTM A706, GRADE 60 REINFORCEMENT AND THE STIRRUP SPACING AS SHOWN ON THE PLANS.

AN ALTERNATE EQUIVALENT OF WELDED WIRE FABRIC (WWF) ASTM A497 MAY BE SUBSTITUTED FOR THE STIRRUP REINFORCEMENT SHOWN, UPON APPROVAL OF THE STRUCTURES DEVELOPMENT SECTION.

PRESTRESSING STRANDS SHALL BE 0.6" DIA.-7 WIRE LOW-RELAXATION STRANDS WITH AN ULTIMATE STRENGTH OF 270,000 psi.

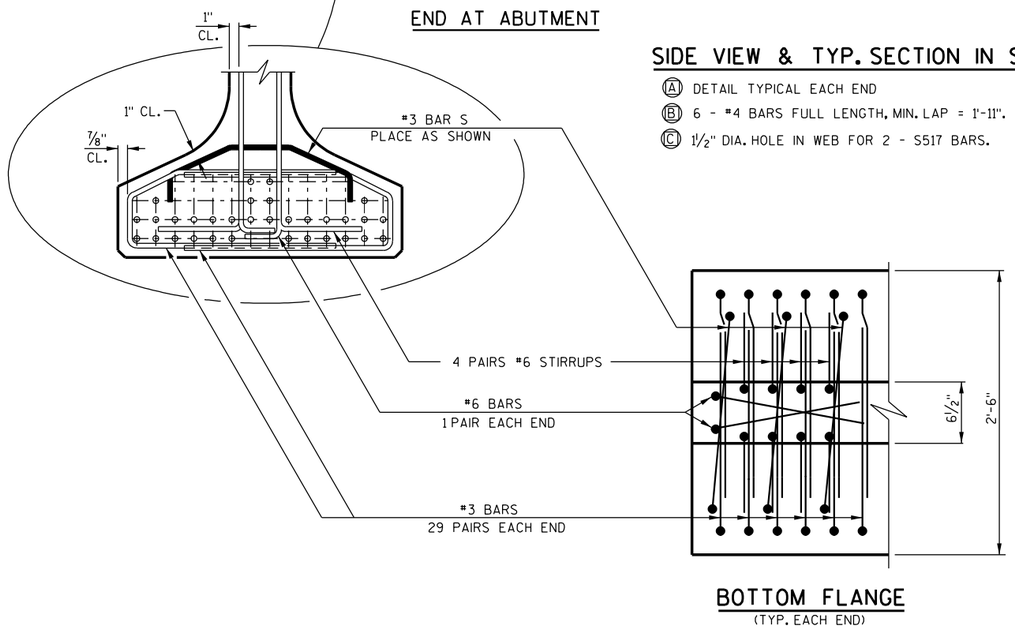
FOR DIAPHRAGM INSERT & CONNECTION DETAILS SEE "INTERMEDIATE STEEL DIAPHRAGM" SHEET.

SIDE VIEW & TYP. SECTION IN SPAN

(A) DETAIL TYPICAL EACH END

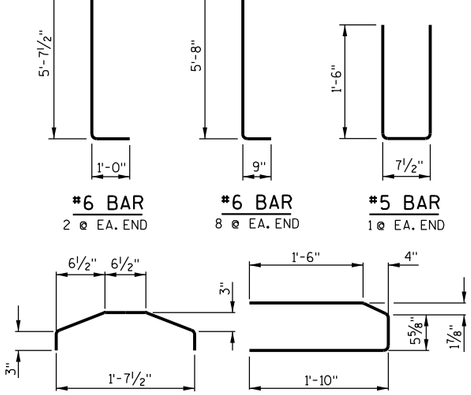
(B) 6 - #4 BARS FULL LENGTH, MIN. LAP = 1'-11".

(C) 1½" DIA. HOLE IN WEB FOR 2 - S517 BARS.



BOTTOM FLANGE

(TYP. EACH END)



NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-18-228

DRAWN BY TAW | PLANS CK'D. TR

72W" PRESTRESSED GIRDER DETAILS

SHEET 15 OF 25

785

8

8

FILE NAME : P:\159 I-94 - CHDM Hill\B-18-228 dgn\15_72Wgr1.b-18-228.dgn
PLOT DATE : 11/20/2012

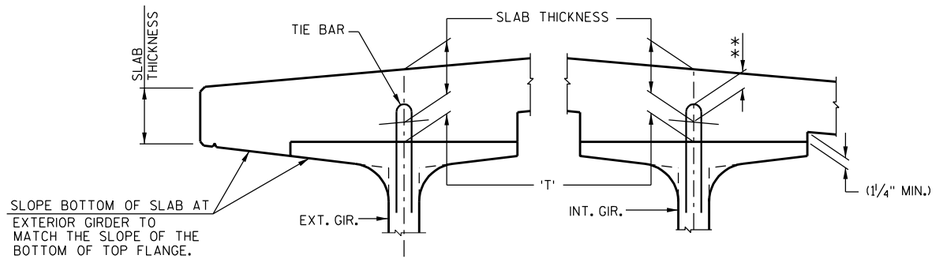
STATE PROJECT NUMBER

1022-08-73

GIRDER DATA

SPAN	GIRDER	GIRDER LENGTH "L"	DEAD LOAD DEFL. (IN.) 1/10	2/10	3/10	4/10	5/10	6/10	7/10	8/10	9/10	CONC. STRGTH. f'c (p.s.i.)	"P" 1st 1/3 OF GIRDER	"P" MID 1/3 OF GIRDER	"P" END 1/3 OF GIRDER	DIA. OF STRAND (IN.)	DRAPED PATTERN TOTAL NO. OF STRANDS	f'ci (P.S.I.) *	(IN.) "A"	"B" MIN.	"B" MAX.	"C"	UNDRAPED PATTERN TOTAL NO. OF STRANDS	f'ci (P.S.I.) *
1	1 - 7	129'-0"	5/8"	1 1/8"	1 1/2"	1 3/4"	1 7/8"	1 3/4"	1 1/2"	1 1/8"	5/8"	8000	8 1/2"	7 1/2"	8 1/2"	0.60	38	6800	67"	20 1/2"	23 1/2"	5"		

* MINIMUM CYLINDER STRENGTH OF CONCRETE AT THE TIME OF TRANSFER OF PRESTRESS FORCE.



SLAB HAUNCH DETAIL

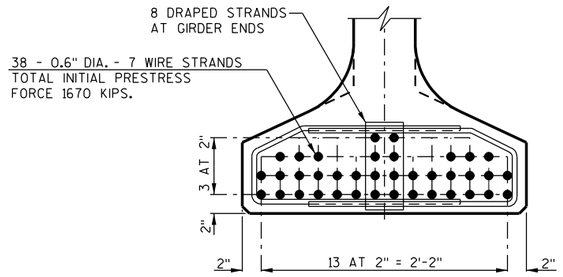
IF 1 1/4" MINIMUM HAUNCH HEIGHT AT EDGE OF GIRDER CANNOT BE MAINTAINED, THE GRADE LINE MAY BE REVISED BY THE ENGINEER AT THE OPTION OF THE CONTRACTOR, THE PLAN SLAB THICKNESS SHALL BE HELD. NOTIFY THE STRUCTURES SECTION IF THE GRADE LINE IS RAISED FROM THE PLAN PROFILE BY MORE THAN 1/2" OR,

** IF 3" MINIMUM DECK EMBEDMENT OF TIE BAR CANNOT BE OBTAINED.

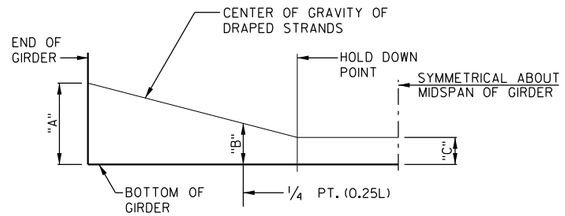
TO DETERMINE 'T', ELEV. OF TOP OF GIR'S. AT ℄ OF SUBSTRUCTURE UNITS & AT 1/10 POINTS OF EACH SPAN SHALL BE TAKEN. THEN FOLLOW THIS PROCESS:

TOP OF DECK ELEV. AT FINAL GRADE
- TOP OF GIRDER ELEVATION
+ DEAD LOAD DEFLECTION
- SLAB THICKNESS
= HAUNCH HEIGHT 'T'

NOTE: AN AVERAGE HAUNCH ('T') OF 3" WAS USED IN THE QUANTITY "CONCRETE MASONRY BRIDGES".



DRAPED STRAND PATTERN - SPAN



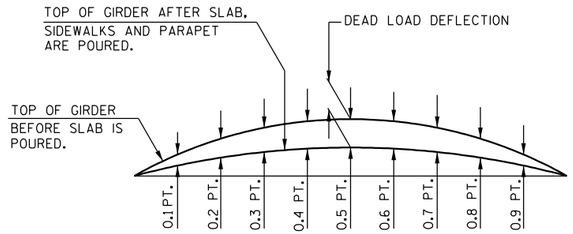
LOCATION OF DRAPED STRANDS

THEORETICAL CAMBER

SPAN	CAMBER (IN.) ***
1	3 1/8"

THESE VALUES ARE NOT TO BE USED IN DETERMINING 'T', USE ACTUAL GIRDER SHOTS. THESE VALUES ARE FOR INFORMATIONAL PURPOSES ONLY.

*** THE THEORETICAL INITIAL CAMBER VALUE AT THE TIME OF STRAND RELEASE AT MIDSPAN MULTIPLIED BY A FACTOR OF 1.4 TO ACCOUNT FOR CAMBER GROWTH FROM THE TIME OF STRAND RELEASE TO JOBSITE PLACEMENT.



DEAD LOAD DEFLECTION DIAGRAM

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-18-228

DRAWN BY TAW | PLANS CK'D. TR

72W" PRESTRESSED GIRDER DETAILS

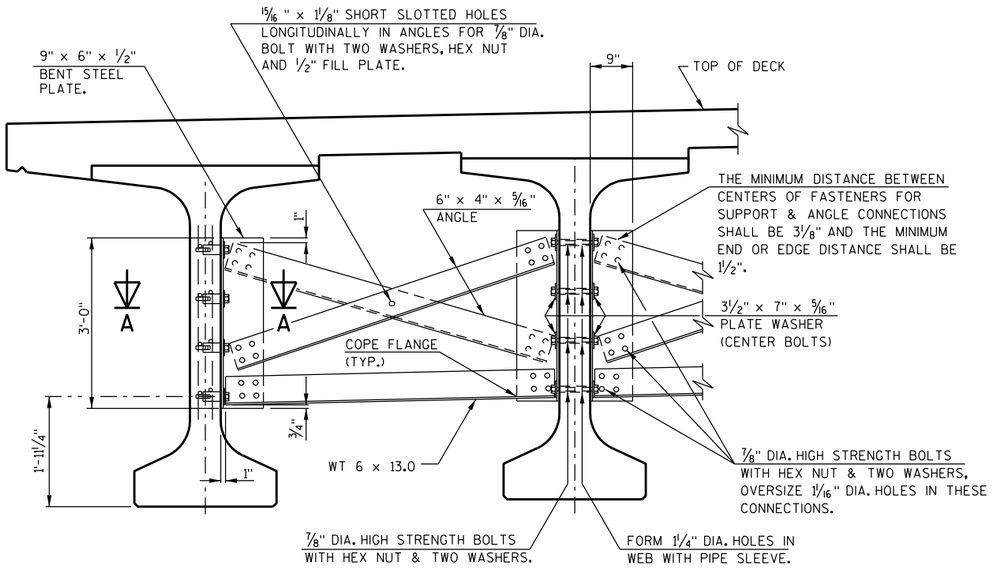
SHEET 16 OF 25
786

8

8

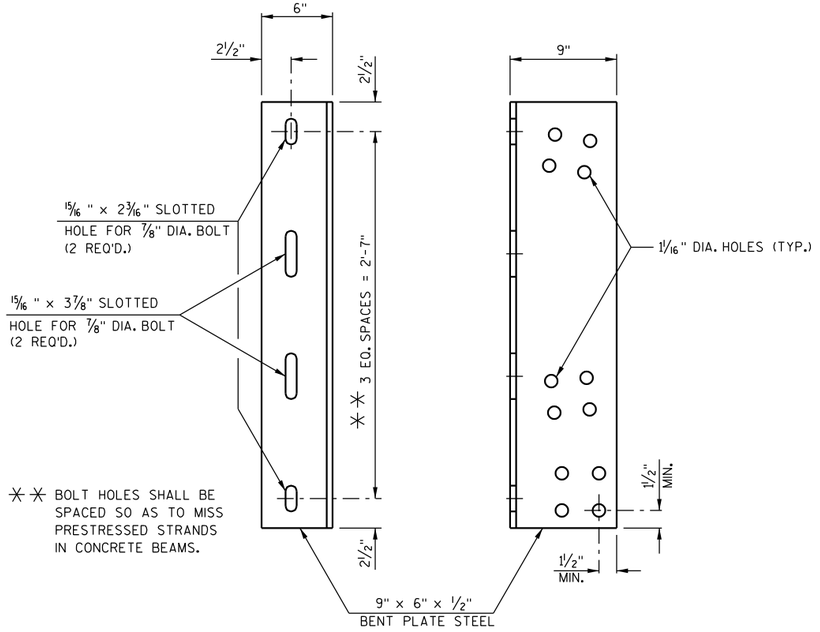
FILE NAME : P:\159 I-94 - CEDM Hill\18-18-228 dgn\16.72Wgr2.b-18-228.dgn
PLOT DATE : 11/20/2012

STATE PROJECT NUMBER
1022-08-73



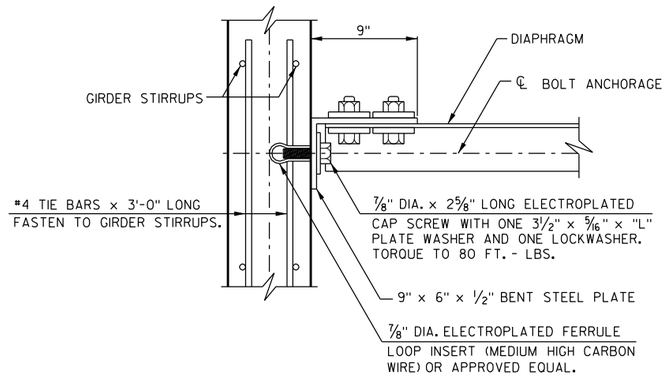
EXTERIOR GIRDER INTERIOR GIRDER

PART TRANSVERSE SECTION AT DIAPHRAGM



BEAM FACE DIAPHRAGM FACE

DIAPHRAGM SUPPORT



"L" = 3 1/2" FOR TOP AND BOTTOM BOLTS
"L" = 7" FOR CENTER BOLTS

SECTION A-A
(FOR EXTERIOR ATTACHMENT)

NOTES

ALL DIAPHRAGM MATERIAL NOT EMBEDDED IN THE CONCRETE GIRDER SHALL BE PAID FOR AT THE UNIT PRICE BID FOR "STEEL DIAPHRAGMS B-18-228", EACH.

EACH DIAPHRAGM BETWEEN GIRDERS SHALL CONSTITUTE ONE UNIT.

ALL DIAPHRAGM STRUCTURAL STEEL SHALL BE ASTM A709 GRADE 36. ALL BOLTS, NUTS AND WASHERS SHALL BE ASTM A325 TYPE 1.

ALL DIAPHRAGM STRUCTURAL STEEL SHOWN SHALL BE HOT-DIPPED GALVANIZED. ALL BOLTS, NUTS AND WASHERS SHALL BE HOT-DIPPED GALVANIZED IN ACCORDANCE WITH ASTM A153 CLASS C. GALVANIZED NUTS SHALL BE TAPPED OVERSIZED IN ACCORDANCE WITH THE REQUIREMENTS OF ASTM A563 AND SHALL MEET THE REQUIREMENTS OF SUPPLEMENTARY REQUIREMENT S1 OF ASTM A563, LUBRICANT AND TEST FOR COATED NUTS.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-18-228

DRAWN BY TAW | PLANS CK'D. TR

INTERMEDIATE STEEL DIAPHRAGMS

SHEET 17 OF 25
787

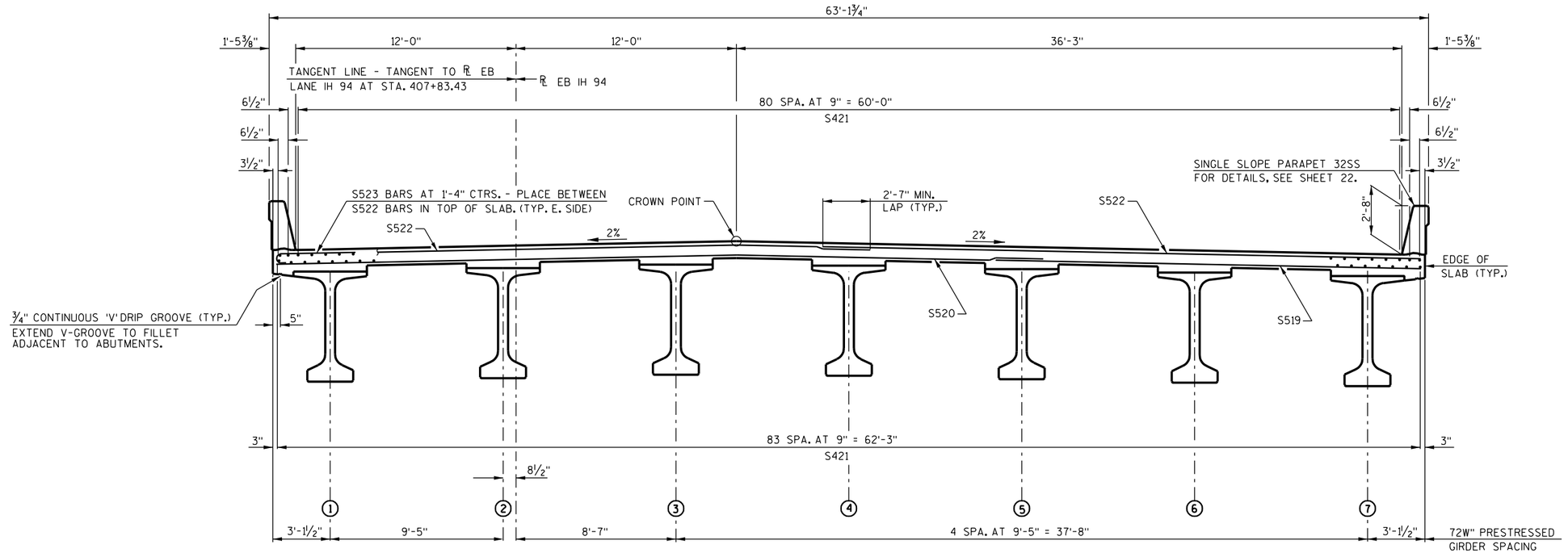
FILE NAME : P:\159 I-94 - GROW Hill\B-18-228 dgn\17_steeldiaph_b-18-228.dgn
PLOT DATE : 10/17/2012

8

8

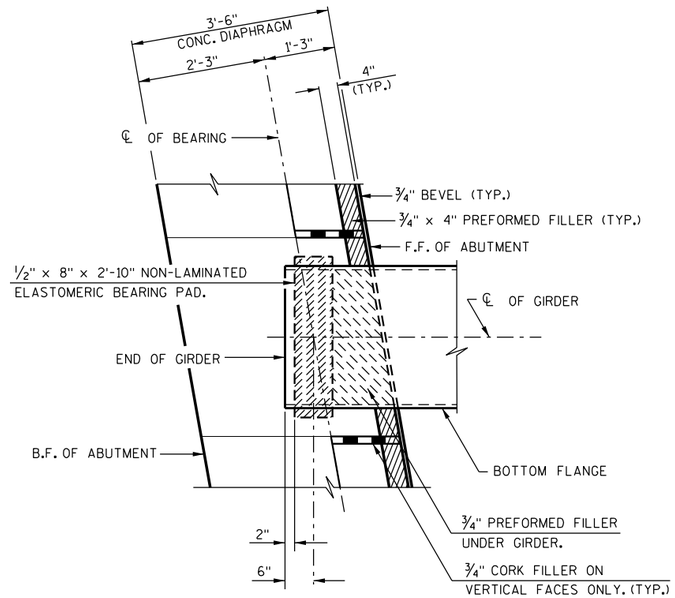
STATE PROJECT NUMBER

1022-08-73



CROSS SECTION THRU ROADWAY

(LOOKING EAST)



BEARING PAD LAYOUT

(SHOWN AT WEST ABUTMENT, EAST ABUTMENT SIMILAR)

FILE NAME : P:\159 I-94 - CHPW Hill\18-228 dgn\18_super1_b-18-228.dgn
PLOT DATE : 10/19/2012

8

8

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

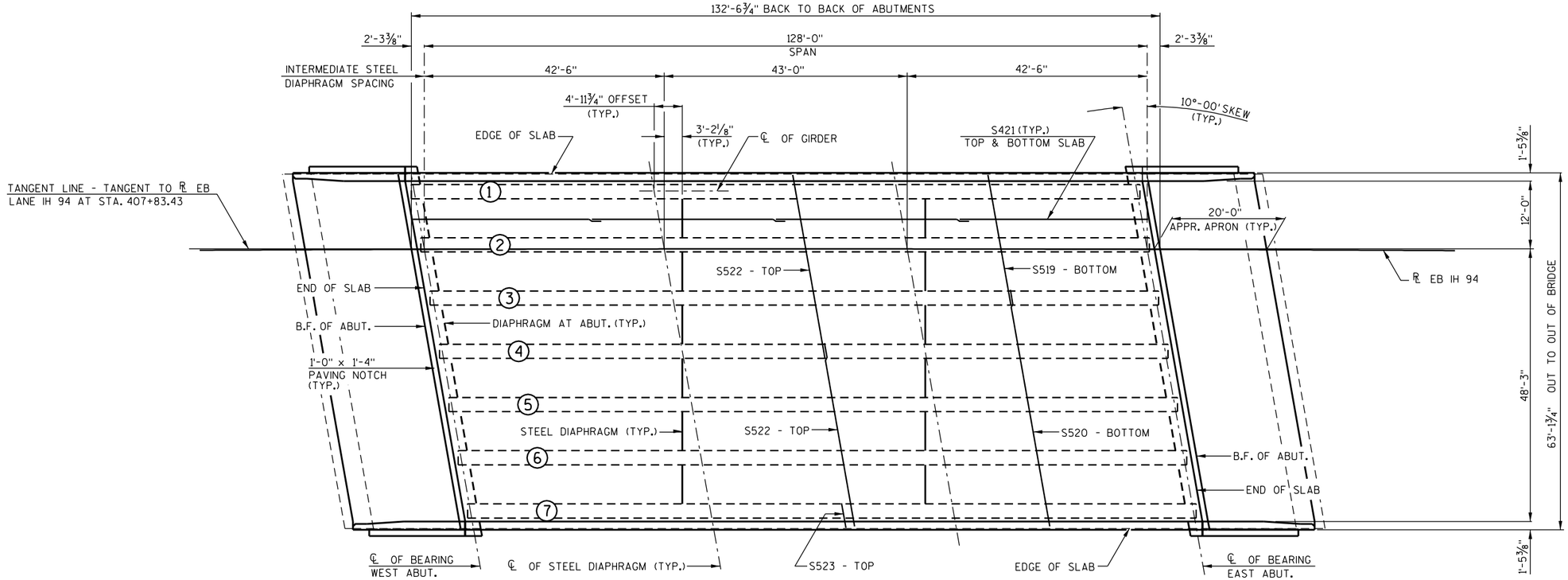
STRUCTURE B-18-228

DRAWN BY TAW | PLANS CK'D. TR

SUPERSTRUCTURE

SHEET 18 OF 25
788

STATE PROJECT NUMBER
1022-08-73



PLAN

TOP OF DECK ELEVATIONS

	℄ OF BRG. W. ABUT.	0.1 PT.	0.2 PT.	0.3 PT.	0.4 PT.	0.5 PT.	0.6 PT.	0.7 PT.	0.8 PT.	0.9 PT.	℄ OF BRG. E. ABUT.
N. EOD	858.49	858.27	858.06	857.86	857.66	857.47	857.29	857.11	856.94	856.78	856.63
GIRDER 1	858.55	858.33	858.12	857.91	857.72	857.53	857.34	857.17	857.00	856.84	856.68
GIRDER 2	858.71	858.49	858.28	858.07	857.88	857.69	857.51	857.33	857.16	857.00	856.85
GIRDER 3	858.87	858.65	858.44	858.24	858.04	857.85	857.67	857.50	857.33	857.17	857.02
GIRDER 4	858.78	858.56	858.36	858.15	857.96	857.77	857.59	857.42	857.25	857.10	856.94
GIRDER 5	858.56	858.35	858.14	857.94	857.75	857.56	857.38	857.21	857.04	856.89	856.74
GIRDER 6	858.35	858.13	857.93	857.73	857.53	857.35	857.17	857.00	856.84	856.68	856.53
GIRDER 7	858.13	857.92	857.71	857.51	857.32	857.14	856.96	856.79	856.63	856.47	856.32
S. EOD	858.06	857.85	857.64	857.44	857.25	857.07	856.89	856.72	856.56	856.40	856.25

NOTES

1. THE TOP LONGITUDINAL BAR STEEL REINFORCEMENT SHALL BE SUPPORTED BY CONTINUOUS BAR CHAIRS IN TRANSVERSE DIRECTION ON 4'-0" CENTERS.
2. THE BOTTOM TRANSVERSE BAR STEEL REINFORCEMENT SHALL BE SUPPORTED BY CONTINUOUS BAR CHAIRS WITH A CENTER TO CENTER SPACING NOT TO EXCEED 4'-0". ONE LINE OF CONTINUOUS BAR CHAIRS SHALL BE PLACED NEAR EACH EDGE OF SLAB TO SUPPORT THE ENDS OF THE BOTTOM TRANSVERSE BAR STEEL.
3. LAP NO. 6 BARS 3'-6" MIN. AT BACK OF ABUTMENT DIAPHRAGMS.
4. LAP LONGITUDINAL NO. 5 BARS IN 32" SINGLE SLOPE PARAPET 1'-9" MIN.
5. LAP NO. 4 BARS 1'-8" MIN. IN SLAB.
6. LAP NO. 5 BARS 2'-7" MIN. IN SLAB.
7. ALL TRANSVERSE BAR STEEL REINFORCEMENT SHALL BE PLACED PARALLEL TO SUBSTRUCTURE UNITS.
8. EDGE OF DECK (EOD) ELEVATIONS ARE CALCULATED ASSUMING CROSS SLOPE CONTINUES TO EDGE.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-18-228

DRAWN BY TAW | PLANS CK'D. TR

SUPERSTRUCTURE

SHEET 19 OF 25
789

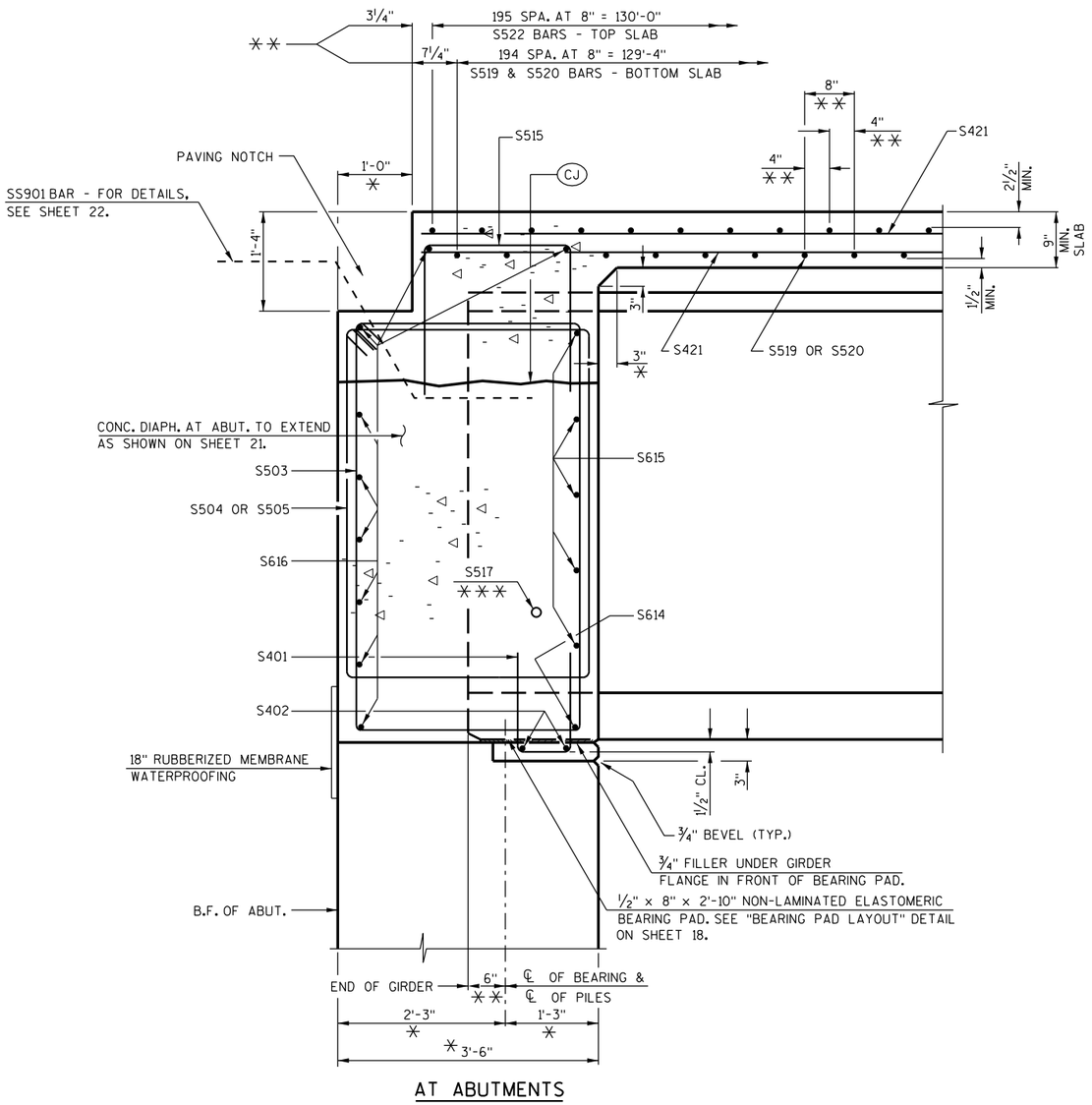
FILE NAME : P:\159 I-94 - CHDM Hill\B-18-228 dgn\19.super2.b-18-228.dgn
PLOT DATE : 11/20/2012

8

8

STATE PROJECT NUMBER

1022-08-73



AT ABUTMENTS

LEGEND

- ✳ DIMENSIONS ARE GIVEN NORMAL TO ℄ OF SUBSTRUCTURE UNITS.
- ✳✳ DIMENSIONS ARE GIVEN PARALLEL TO THE GIRDER ℄.
- ✳✳✳ 1½" DIA. HOLE IN WEB FOR S517 BARS. PLACE TWO S517 BARS SYMMETRICAL ABOUT THE ℄ OF EACH GIRDER. FIELD BEND BARS ALONG SKEW. SEE "SIDE VIEW" ON SHEET 15 FOR DETAILS.
- (CJ) OPTIONAL CONSTRUCTION JOINT 1'-2" BELOW TOP OF GIRDER. IF USED, DECK POUR MUST BE WITHIN 2 WEEKS FROM THE TIME OF THE DIAPHRAGM POUR.

NOTES: ALL VERTICAL BAR STEEL REINFORCEMENT IN CONCRETE DIAPHRAGMS SHALL BE SPACED AND PLACED PARALLEL TO GIRDERS.

PART LONGITUDINAL SECTION

(BETWEEN EXTERIOR GIRDERS)

FILE NAME : P:\159 I-94 - CH2M HILL\18-18-228 dgn\20.super3.b-18-228.dgn
PLOT DATE : 10/19/2012

8

8

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-18-228

DRAWN BY TAW | PLANS CK'D. TR

SUPERSTRUCTURE

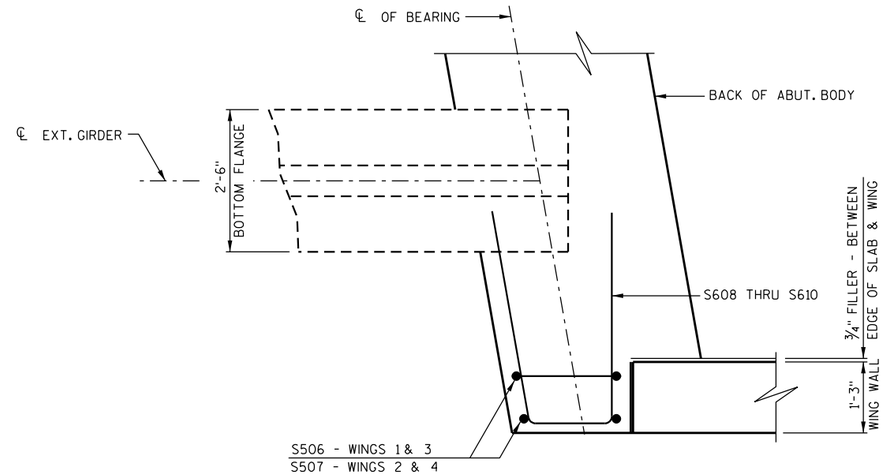
SHEET 20 OF 25
790

STATE PROJECT NUMBER

1022-08-73

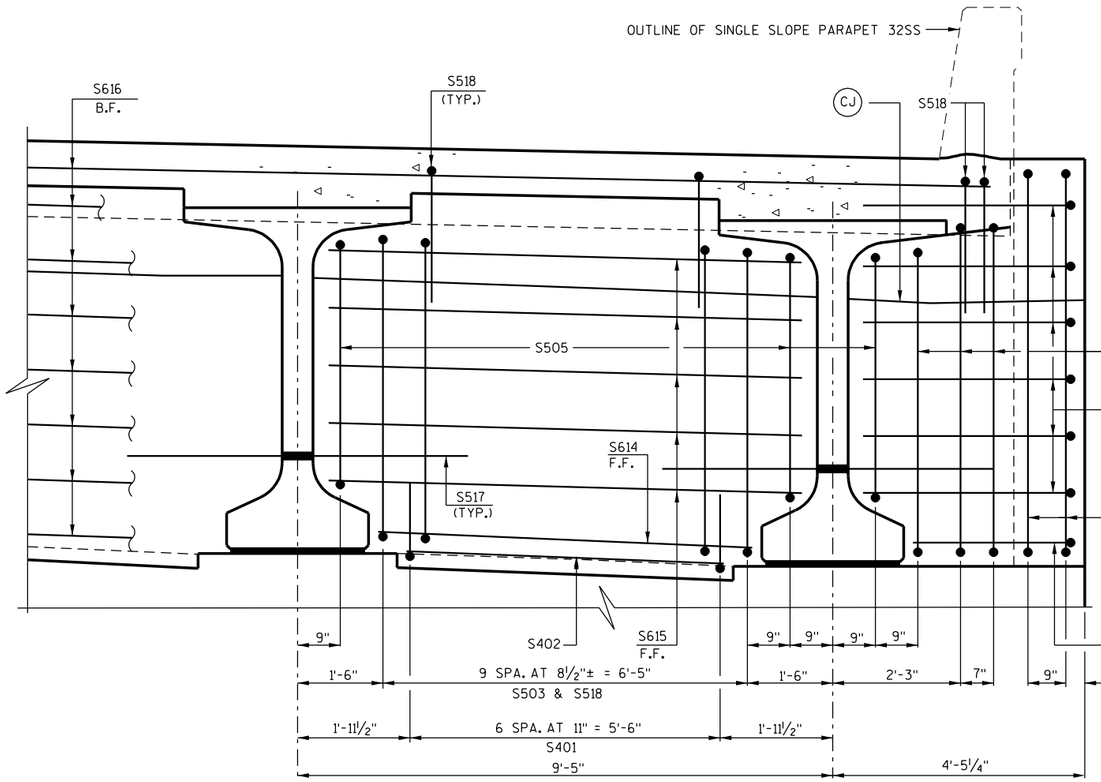
LEGEND

(CJ) OPTIONAL CONSTRUCTION JOINT 1'-2" BELOW TOP OF GIRDER. IF USED, DECK POUR MUST BE WITHIN 2 WEEKS FROM THE TIME OF THE DIAPHRAGM POUR.



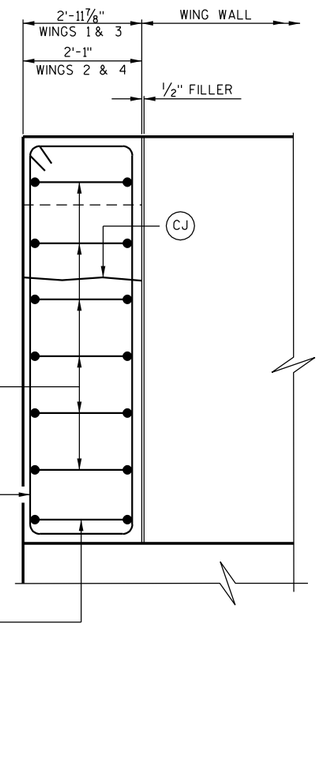
PART PLAN AT ABUTMENT DIAPHRAGM

(SHOWN AT WING 4 AT EAST ABUTMENT, OTHER WING CORNERS SIMILAR)



ABUTMENT DIAPHRAGM DETAILS

(TYP. BETWEEN GIRDERS - EAST ABUT. SHOWN, WEST ABUT. SIMILAR)



END VIEW AT ABUTMENT DIAPHRAGM

(LOOKING NORTH AT WING 4 AT EAST ABUTMENT, OTHER WING CORNERS SIMILAR)

FILE NAME : P:\159 I-94 - CMDM Hill\18-18-228 dgn\21.super4.b-18-228.dgn
PLOT DATE : 11/20/2012

8

8

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-18-228

DRAWN BY TAW | PLANS CK'D. TR

SUPERSTRUCTURE

SHEET 21 OF 25
791

STATE PROJECT NUMBER

1022-08-73

BILL OF BARS

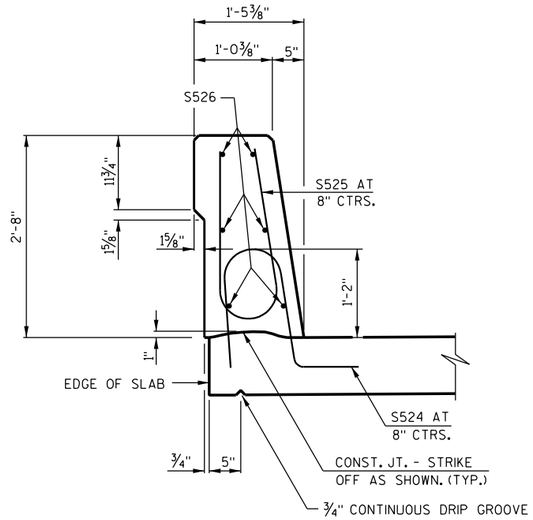
DIMENSIONS IN BENDING DETAILS ARE OUT TO OUT OF BAR.
ALL BAR STEEL REINFORCEMENT IN THIS BILL SHALL BE EPOXY COATED.

MARK	NO. REQ'D.	LENGTH	BENT	BAR SERIES	LOCATION	TOTAL WEIGHT = 55,880 LBS.
S401	84	3-5	X		ABUTMENT DIAPHRAGM - BOTTOM	VERT.
S402	24	5-8			ABUTMENT DIAPHRAGM - BOTTOM	HORIZ.
S503	120	18-7	X		ABUTMENT DIAPHRAGM - STIRRUPS	VERT.
S505	28	15-7	X		ABUTMENT DIAPHRAGM - STIRRUPS UNDER FLANGE	VERT.
S506	4	18-11	X		ABUTMENT DIAPHRAGM - ENDS - WINGS 1 & 3	VERT.
S507	4	17-7	X		ABUTMENT DIAPHRAGM - ENDS - WINGS 2 & 4	VERT.
S608	2	7-9	X		ABUTMENT DIAPHRAGM - ENDS - WINGS 1 & 3	HORIZ.
S609	2	6-11	X		ABUTMENT DIAPHRAGM - ENDS - WINGS 2 & 4	HORIZ.
S610	12	9-9	X		ABUTMENT DIAPHRAGM - ENDS - WINGS 1 & 3	HORIZ.
S611	12	8-11	X		ABUTMENT DIAPHRAGM - ENDS - WINGS 2 & 4	HORIZ.
S614	12	6-8			ABUTMENT DIAPHRAGM - BETWEEN GIRDERS	HORIZ.
S615	60	8-8			ABUTMENT DIAPHRAGM - BETWEEN GIRDERS	HORIZ.
S616	36	33-6			ABUTMENT DIAPHRAGM - B.F.	HORIZ.
S517	28	6-0			ABUTMENT DIAPHRAGM - AT GIRDER HOLES	HORIZ.
S518	104	6-5	X		ABUTMENT DIAPHRAGM - TOP	VERT.
S519	195	23-6			SLAB - BOTTOM	TRANS.
S520	195	42-8			SLAB - BOTTOM	TRANS.
S421	676	33-10			SLAB - TOP & BOTTOM	LONGIT.
S522	392	33-0			SLAB - TOP	TRANS.
S523	196	5-0			SLAB - TOP - EDGE OF SLAB	TRANS.
S524	392	4-5	X		PARAPET	VERT.
S525	392	5-0	X		PARAPET	VERT.
S526	48	33-11			PARAPET	LONGIT.

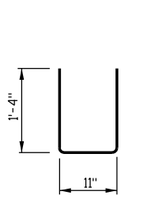
STAINLESS STEEL BILL OF BARS

DIMENSIONS IN BENDING DETAILS ARE OUT TO OUT OF BAR.

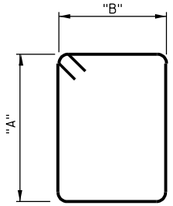
MARK	NO. REQ'D.	LENGTH	BENT	BAR SERIES	LOCATION	TOTAL WEIGHT = 2,150 LBS.
SS901	126	5-0	X		APPROACH APRON AT BRIDGE PAVING NOTCH	LONGIT.



SECTION THRU SINGLE SLOPE PARAPET 32SS

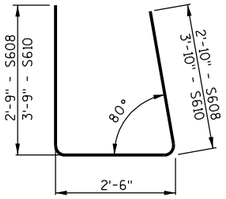


S401

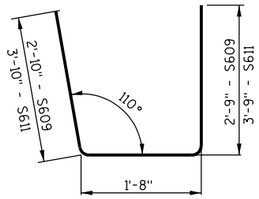


MARK	DIM. "A"	DIM. "B"
S503	5'-5"	3'-2"
S505	4'-4"	3'-2"
S506	6'-9"	2'-5"
S507	6'-9"	1'-9"

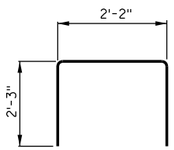
S503, S505 THRU S507



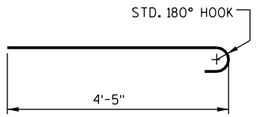
S608 & S610



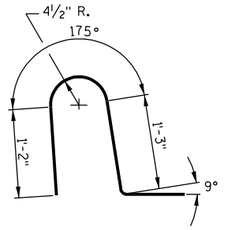
S609 & S611



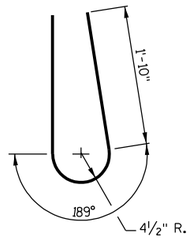
S518



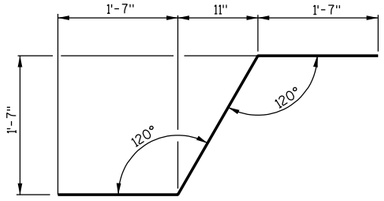
S523



S524



S525



SS901

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-18-228

DRAWN BY TAW | PLANS CK'D. TR

SUPERSTRUCTURE

SHEET 22 OF 25
792

8

8

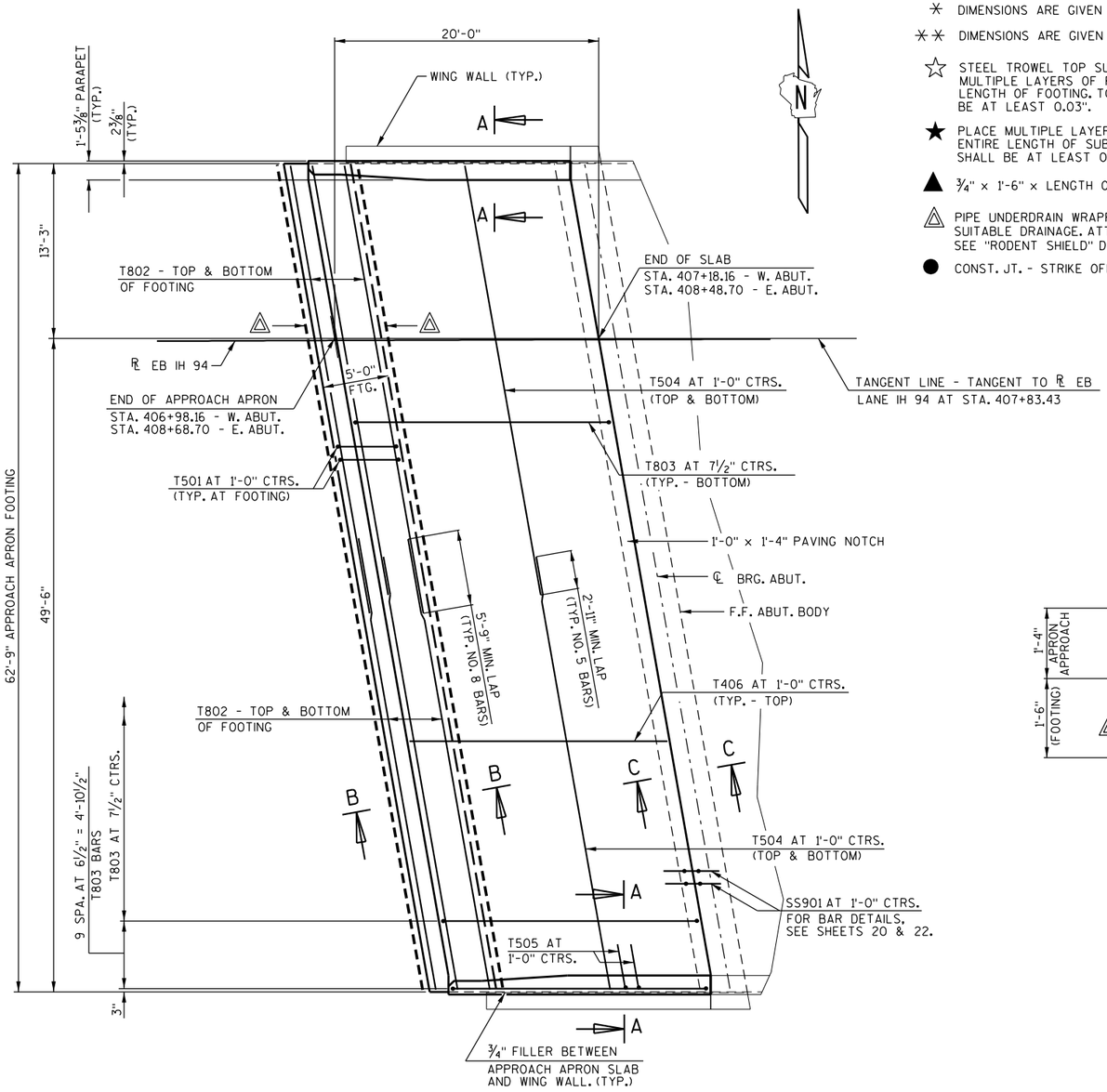
FILE NAME : P:\159 I-94 - CHDW H\118-18-228 dgn\22.super5.b-18-228.dgn
PLOT DATE : 11/20/2012

STATE PROJECT NUMBER

1022-08-73

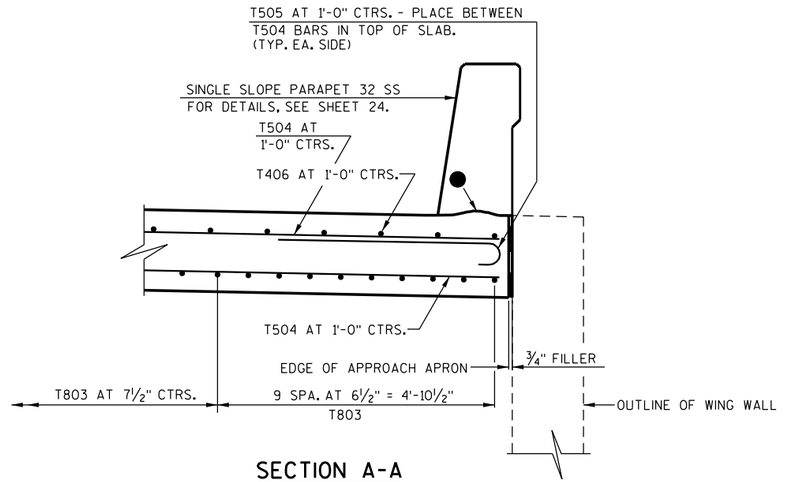
LEGEND

- ✳ DIMENSIONS ARE GIVEN NORMAL ℄ SUBSTRUCTURE.
- ✳✳ DIMENSIONS ARE GIVEN PARALLEL TO ℞ EB IH 94.
- ☆ STEEL TROWEL TOP SURFACE OF FOOTING AND PLACE MULTIPLE LAYERS OF POLYETHYLENE SHEETS OVER ENTIRE LENGTH OF FOOTING. TOTAL THICKNESS OF SHEETS SHALL BE AT LEAST 0.03".
- ★ PLACE MULTIPLE LAYERS OF POLYETHYLENE SHEETS OVER ENTIRE LENGTH OF SUBGRADE. TOTAL THICKNESS OF SHEETS SHALL BE AT LEAST 0.03".
- ▲ ¾" × 1'-6" × LENGTH OF FOOTING COMPRESSIBLE FILLER.
- ⧋ PIPE UNDERDRAIN WRAPPED 6-INCH. SLOPE 0.5% MIN. TO SUITABLE DRAINAGE. ATTACH RODENT SHIELD TO END OF PIPE. SEE "RODENT SHIELD" DETAIL ON THIS SHEET.
- ● CONST. JT. - STRIKE OFF AS SHOWN.

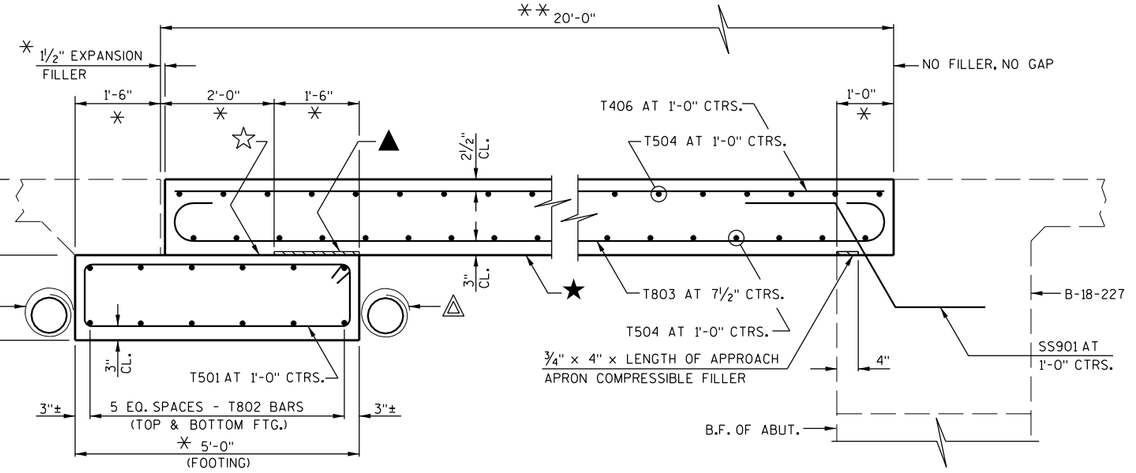


APPROACH APRON PART PLAN

(WEST APPROACH APRON SHOWN, EAST NORTH APPROACH APRON SIMILAR UNLESS NOTED OTHERWISE)



SECTION A-A



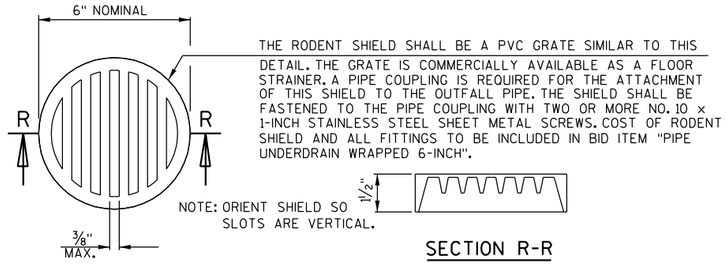
SECTION B-B

SECTION C-C

LONGITUDINAL SECTION AT APPROACH APRON

(SECTION SHOWN AT WEST APPROACH APRON, EAST APPROACH APRON SIMILAR)

NOTE: BAR STEEL REINFORCEMENT FOR THE APPROACH APRONS AND FOR SINGLE SLOPE PARAPET 32SS LOCATED ON EACH SIDE OF THE APPROACH APRON IS INCLUDED IN THE BILL OF BARS ON SHEET 25.



THE RODENT SHIELD SHALL BE A PVC GRATE SIMILAR TO THIS DETAIL. THE GRATE IS COMMERCIALLY AVAILABLE AS A FLOOR STRAINER. A PIPE COUPLING IS REQUIRED FOR THE ATTACHMENT OF THIS SHIELD TO THE OUTFALL PIPE. THE SHIELD SHALL BE FASTENED TO THE PIPE COUPLING WITH TWO OR MORE NO. 10 × 1-INCH STAINLESS STEEL SHEET METAL SCREWS. COST OF RODENT SHIELD AND ALL FITTINGS TO BE INCLUDED IN BID ITEM "PIPE UNDERDRAIN WRAPPED 6-INCH".

NOTE: ORIENT SHIELD SO SLOTS ARE VERTICAL.

SECTION R-R

RODENT SHIELD

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-18-228

DRAWN BY TAW | PLANS CK'D. TR

APPROACH APRON DETAILS

SHEET 23 OF 25
793

FILE NAME : P:\159 I-94 - CHDM Hill\B-18-228 dgn\23_apron_b-18-228.dgn
PLOT DATE : 11/20/2012

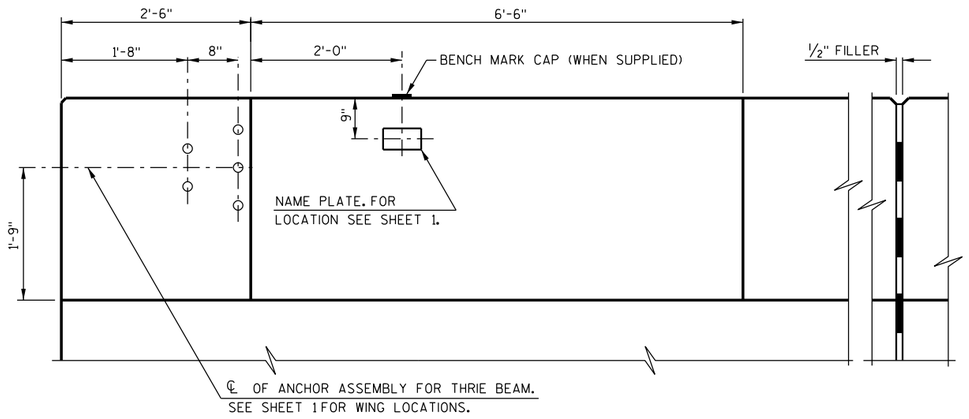
8

8

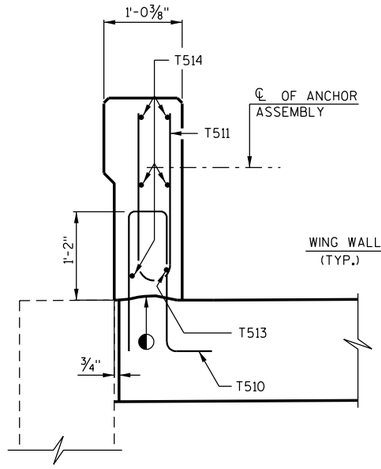
STATE PROJECT NUMBER

1022-08-73

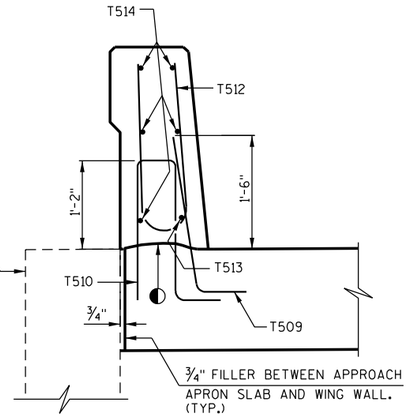
NOTE: QUANTITIES OF CONCRETE MASONRY AND BAR STEEL REINFORCEMENT ARE INCLUDED IN THE APPROACH APRON ON SHEET 2.



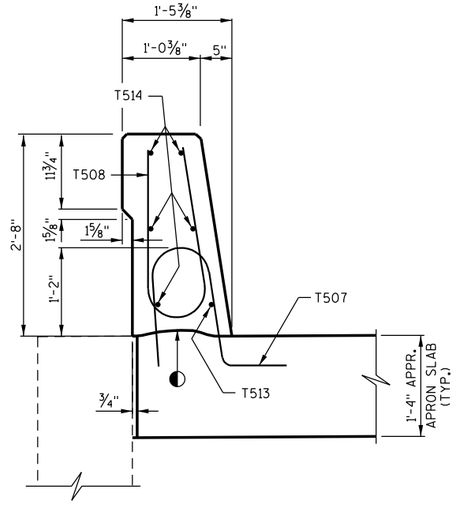
INSIDE ELEVATION



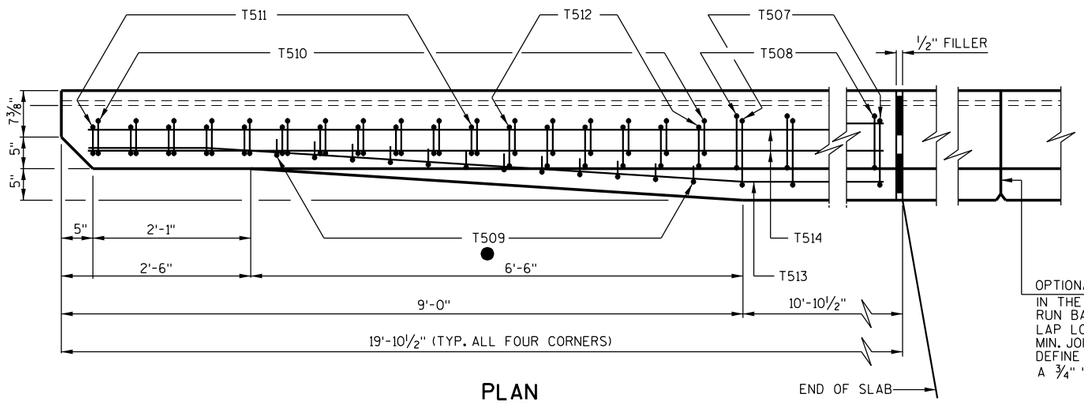
SECTION A-A



SECTION B-B



SECTION C-C



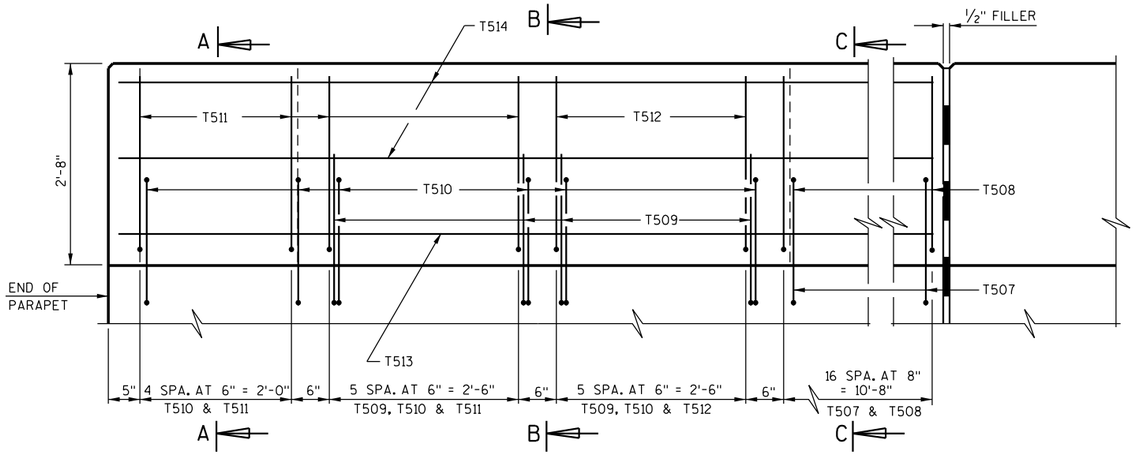
PLAN

(PARAPET TRANSITION IS LOCATED ON THE APPROACH APRON, TYP. ALL FOUR CORNERS)

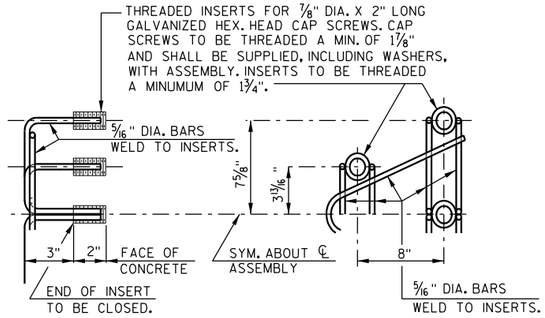
OPTIONAL CONSTRUCTION JOINTS IN THE PARAPETS MAY BE USED. RUN BAR REINF. THRU THE JOINT. LAP LONGIT. BARS A MIN. OF 1'-9". MIN. JOINT SPACING OF 80'-0" DEFINE CONST. JOINT WITH A 3/4" 'V' GROOVE.

LEGEND

- ● T509 BARS MAY BE PLACED AFTER CONCRETE IS POURED, BUT BEFORE INTIAL SET HAS TAKEN PLACE. USE CARE TO PLACE T509 BARS CORRECTLY ALONG TANSITION OF PARAPET.
- ◐ CONST. JT. - STRIKE OFF AS SHOWN.



OUTSIDE ELEVATION



DETAIL OF ANCHOR ASSEMBLY

NOTE: HEX. HEAD CAP SCREWS & WASHERS TO BE GALVANIZED IN ACCORDANCE WITH AASHTO M232 CLASS C.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-18-228

DRAWN BY TAW | PLANS CK'D. TR

SINGLE SLOPE PARAPET 32SS

SHEET 24 OF 25
794

8

8

FILE NAME : P:\159 I-94 - CROW H\118-18-228 dgn\24_parapet_32ss_b-18-228.dgn
PLOT DATE : 11/20/2012

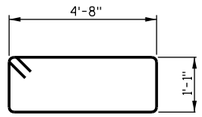
STATE PROJECT NUMBER

1022-08-73

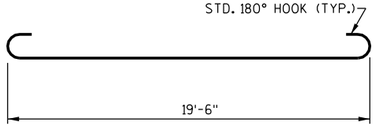
BILL OF BARS

DIMENSIONS IN BENDING DETAILS ARE OUT TO OUT OF BAR.
ALL BAR STEEL REINFORCEMENT IN THIS BILL SHALL BE EPOXY COATED.

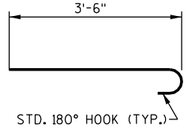
MARK	NO. REQ'D.	LENGTH	BENT	BAR SERIES	LOCATION	TOTAL WEIGHT = 27,520 LBS.
T501	126	12-1	X		APPROACH APRON - FOOTING	VERT.
T802	48	34-8			APPROACH APRON - FOOTING	TRANS.
T803	206	21-4	X		APPROACH APRON - SLAB - BOTTOM	LONGIT.
T504	168	33-3			APPROACH APRON - SLAB - TOP & BOTTOM	TRANS.
T505	80	4-1	X		APPROACH APRON - SLAB - TOP	TRANS.
T406	126	19-6			APPROACH APRON - SLAB - TOP	LONGIT.
T507	68	4-5	X		PARAPET - APPROACH APRON	VERT.
T508	68	5-0	X		PARAPET - APPROACH APRON	VERT.
T509	48	2-9	X		PARAPET - APPROACH APRON	VERT.
T510	68	4-4	X		PARAPET - APPROACH APRON	VERT.
T511	44	4-9	X		PARAPET - APPROACH APRON	VERT.
T512	24	4-10	X		PARAPET - APPROACH APRON	VERT.
T513	4	19-6			PARAPET - APPROACH APRON	HORIZ.
T514	20	19-6			PARAPET - APPROACH APRON	HORIZ.



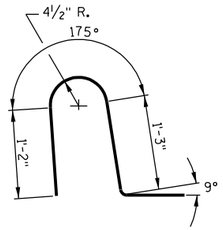
T501



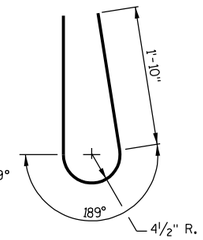
T803



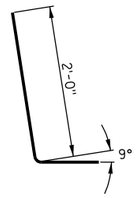
T505



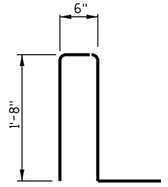
T507



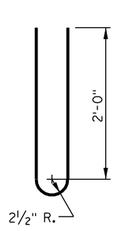
T508



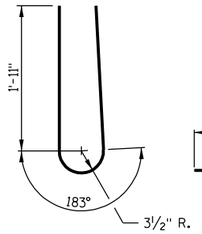
T509



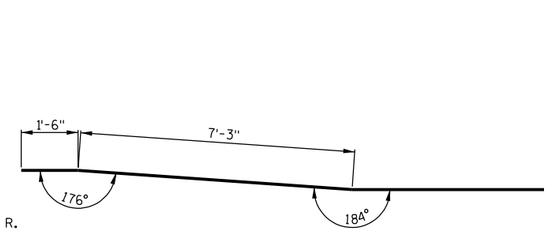
T510



T511



T512



T513

8

FILE NAME : P:\159 I-94 - CH2M Hill\B-18-228 dgn\25.bill.bars.b-18-228.dgn
PLOT DATE : 11/20/2012

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-18-228

DRAWN BY TAW | PLANS CK'D. TR

BILL OF BARS

Notes

1 - Cut	Cut includes Salvaged/Unusable Pavement material
2 - Fill	Does not include Unusable Pavement Exc volume
3 - Expanded EBS	Will be backfilled with Granular Backfill (or Cut, or Borrow)
4 - Reduced EBS in Fill	Reduced EBS Excavation that can be used in Fill
5 - Mass Ordinate	If Marsh or EBS to be backfilled with Cut or Borrow: [(Cut + Marsh Exc + EBS) - ((Fill - Reduced Marsh in Fill) - (Reduced EBS in Fill) - Expanded Rock) * Fill Factor)]

9

9

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	EARTHWORK	SHEET:	E

FILE NAME : _____ PLOT DATE : _____ PLOT BY : _____ PLOT NAME : _____ ORG DATE : _____ ORIGINATOR : DIST _ PLOT SCALE : 1:1

DIVISION 1 - IH 94 WESTBOUND

STATION	Real Station	Distance	AREA (SF) Cut	AREA (SF) Fill	AREA (SF) EBS	Incremental Vol (CY) (Unadjusted) Cut Note 1	Incremental Vol (CY) (Unadjusted) Fill Note 2	Incremental Vol (CY) (Unadjusted) EBS	Cumulative Vol (CY) Cut 1.00 Note 1	Cumulative Vol (CY) Expanded Fill 1.20	Cumulative Vol (CY) Expanded EBS Backfill 1.30 Note 3	Cumulative Vol (CY) Reduced EBS In Fill 0.80 Note 4	Mass Ordinate Note 5
454+36	45436		79.0	15.0	0.0	0	0	0	0	0	0	0	0
455+00	45500	64	101.1	0.1	0.0	213	18	0	213	21	0	0	192
456+00	45600	100	102.8	0.0	0.0	378	0	0	591	22	0	0	569
457+00	45700	100	118.7	0.0	0.0	410	0	0	1001	22	0	0	980
458+00	45800	100	137.1	0.0	0.0	474	0	0	1475	22	0	0	1453
459+00	45900	100	73.5	0.0	0.0	390	0	0	1865	22	0	0	1843
460+00	46000	100	72.4	0.0	0.0	270	0	0	2135	22	0	0	2113
461+00	46100	100	72.6	2.9	0.0	269	5	0	2404	28	0	0	2375
462+00	46200	100	78.2	1.7	0.0	279	9	0	2683	38	0	0	2645
463+00	46300	100	87.1	0.8	0.0	306	5	0	2989	44	0	0	2945
464+00	46400	100	101.2	1.7	0.0	349	5	0	3338	49	0	0	3288
465+00	46500	100	104.2	1.2	0.0	380	5	0	3718	56	0	0	3662
466+00	46600	100	105.4	0.1	0.0	388	2	0	4106	59	0	0	4047
467+00	46700	100	106.5	0.0	0.0	392	0	0	4499	59	0	0	4440
468+00	46800	100	132.3	0.0	0.0	442	0	0	4941	59	0	0	4882
469+00	46900	100	108.2	14.3	0.0	445	26	0	5386	91	0	0	5295
470+00	47000	100	105.1	1.4	0.0	395	29	0	5781	126	0	0	5656
471+00	47100	100	123.6	0.0	0.0	424	3	0	6205	129	0	0	6076
472+00	47200	100	75.7	0.0	0.0	369	0	0	6574	129	0	0	6445
473+00	47300	100	65.1	0.9	0.0	261	2	0	6835	131	0	0	6704
474+00	47400	100	67.8	1.8	0.0	246	5	0	7081	137	0	0	6944
475+00	47500	100	73.3	0.7	0.0	261	5	0	7342	142	0	0	7200
476+00	47600	100	76.8	0.3	0.0	278	2	0	7620	145	0	0	7475
477+00	47700	100	75.8	0.3	0.0	283	1	0	7903	146	0	0	7757
478+00	47800	100	70.6	0.1	0.0	271	1	0	8174	147	0	0	8027
479+00	47900	100	103.5	3.0	0.0	322	6	0	8496	154	0	0	8342
480+00	48000	100	103.6	0.0	0.0	384	6	0	8880	160	0	0	8719
481+00	48100	100	87.4	0.0	0.0	354	0	0	9233	160	0	0	9073
482+00	48200	100	72.6	3.8	0.0	296	7	0	9530	169	0	0	9361
483+00	48300	100	66.4	24.2	0.0	257	52	0	9787	231	0	0	9556
484+00	48400	100	64.7	36.2	0.0	243	112	0	10030	365	0	0	9664
485+00	48500	100	64.1	27.9	0.0	239	119	0	10268	508	0	0	9761
486+00	48600	100	63.6	24.3	0.0	236	97	0	10505	624	0	0	9881
487+00	48700	100	61.1	23.4	0.0	231	88	0	10736	730	0	0	10006
488+00	48800	100	64.3	5.2	0.0	232	53	0	10968	793	0	0	10175
489+00	48900	100	59.8	0.0	0.0	230	10	0	11198	805	0	0	10393
490+00	49000	100	127.0	0.0	0.0	346	0	0	11544	805	0	0	10739
491+00	49100	100	127.2	0.0	0.0	471	0	0	12014	805	0	0	11210
492+00	49200	100	124.5	0.0	0.0	466	0	0	12480	805	0	0	11676
493+00	49300	100	130.4	0.0	0.0	472	0	0	12953	805	0	0	12148
494+00	49400	100	137.5	0.0	0.0	496	0	0	13449	805	0	0	12644
495+00	49500	100	164.1	2.1	0.0	559	4	0	14007	809	0	0	13198
Column totals						CONTINUED ON NEXT SHEET							

DIVISION 1 - IH 94 WESTBOUND

STATION	Real Station	Distance	AREA (SF) Cut	AREA (SF) Fill	AREA (SF) EBS	Incremental Vol (CY) (Unadjusted) Cut Note 1	Incremental Vol (CY) (Unadjusted) Fill Note 2	Incremental Vol (CY) (Unadjusted) EBS	Cumulative Vol (CY) Cut 1.00 Note 1	Cumulative Vol (CY) Expanded Fill 1.20	Cumulative Vol (CY) Expanded EBS Backfill 1.30 Note 3	Cumulative Vol (CY) Reduced EBS In Fill 0.80 Note 4	Mass Ordinate Note 5
495+00	49500	0	164.1	2.1	0.0	559	4	0	14007	809	0	0	13198
496+00	49600	100	160.0	3.5	0.0	600	10	0	14607	822	0	0	13785
497+00	49700	100	163.3	3.8	0.0	599	14	0	15206	838	0	0	14368
498+00	49800	100	155.2	2.4	0.0	590	11	0	15796	852	0	0	14944
499+00	49900	100	121.6	0.0	0.0	513	4	0	16308	857	0	0	15451
500+00	50000	100	115.8	0.0	0.0	440	0	0	16748	857	0	0	15891
501+00	50100	100	111.5	8.3	0.0	421	15	0	17169	876	0	0	16293
502+00	50200	100	113.8	5.2	0.0	417	25	0	17586	906	0	0	16681
503+00	50300	100	106.7	15.8	0.0	408	39	0	17995	952	0	0	17042
504+00	50400	100	106.4	4.8	0.0	395	38	0	18389	998	0	0	17391
505+00	50500	100	109.6	4.8	0.0	400	18	0	18789	1019	0	0	17770
506+00	50600	100	114.9	3.1	0.0	416	15	0	19205	1037	0	0	18168
507+00	50700	100	118.1	2.2	0.0	431	10	0	19636	1049	0	0	18588
508+00	50800	100	114.7	8.0	0.0	431	19	0	20068	1071	0	0	18996
509+00	50900	100	123.5	0.6	0.0	441	16	0	20509	1091	0	0	19418
510+00	51000	100	105.4	8.9	0.0	424	18	0	20933	1112	0	0	19821
511+00	51100	100	103.0	9.8	0.0	386	35	0	21318	1153	0	0	20165
512+00	51200	100	107.3	3.3	0.0	389	24	0	21708	1182	0	0	20526
513+00	51300	100	113.2	5.7	0.0	408	17	0	22116	1202	0	0	20914
514+00	51400	100	122.1	8.3	0.0	436	26	0	22552	1233	0	0	21318
515+00	51500	100	127.8	7.7	0.0	463	30	0	23015	1269	0	0	21746
516+00	51600	100	124.0	6.5	0.0	466	26	0	23481	1301	0	0	22180
517+00	51700	100	121.5	9.6	0.0	455	30	0	23936	1336	0	0	22599
518+00	51800	100	112.4	14.1	0.0	433	44	0	24369	1389	0	0	22980
519+00	51900	100	114.2	9.2	0.0	420	43	0	24788	1441	0	0	23348
520+00	52000	100	129.5	0.6	0.0	451	18	0	25240	1463	0	0	23777
521+00	52100	100	126.8	0.2	0.0	475	1	0	25714	1464	0	0	24250
522+00	52200	100	120.5	0.0	0.0	458	0	0	26172	1465	0	0	24708
523+00	52300	100	175.9	0.1	0.0	549	0	0	26721	1465	0	0	25256
524+00	52400	100	108.5	3.9	0.0	527	7	0	27248	1474	0	0	25774
525+00	52500	100	103.4	5.3	0.0	392	17	0	27640	1494	0	0	26146
526+00	52600	100	97.1	2.7	0.0	371	15	0	28012	1512	0	0	26499
527+00	52700	100	98.1	3.6	42.0	361	12	78	28373	1451	101	62	26922
528+00	52800	100	98.1	1.3	42.0	363	9	156	28736	1313	303	187	27423
529+00	52900	100	94.3	1.9	42.0	356	6	156	29093	1171	506	311	27922
530+00	53000	100	79.3	2.6	42.0	321	8	156	29414	1031	708	436	28383
531+00	53100	100	173.9	6.7	42.0	469	17	156	29883	903	910	560	28980
532+00	53200	100	109.2	1.2	42.0	524	15	156	30407	771	1112	684	29636
533+00	53300	100	106.2	1.1	42.0	399	4	156	30806	627	1314	809	30179
533+95	53395	95	71.3	0.1	42.0	312	2	148	31118	487	1507	927	30631
				Column totals		31118	1333	1159					

DIVISION 1 - TEMPORARY CROSSOVER EAST OF CTH F

STATION	Real Station	Distance	AREA (SF) Cut	AREA (SF) Fill	AREA (SF) EBS	Incremental Vol (CY) (Unadjusted) Cut Note 1	Incremental Vol (CY) (Unadjusted) Fill Note 2	Incremental Vol (CY) (Unadjusted) EBS	Cumulative Vol (CY) Cut 1.00 Note 1	Cumulative Vol (CY) Expanded Fill 1.20	Cumulative Vol (CY) Expanded EBS Backfill 1.30 Note 3	Cumulative Vol (CY) Reduced EBS In Fill 0.80 Note 4	Mass Ordinate Note 5
375+35	37535		18.1	0.0	0.0	0	0	0	0	0	0	0	0
375+50	37550	15	19.1	0.0	0.0	10	0	0	10	0	0	0	10
376+00	37600	50	18.4	0.0	0.0	35	0	0	45	0	0	0	45
376+50	37650	50	18.1	0.0	0.0	34	0	0	79	0	0	0	79
377+00	37700	50	17.5	0.0	0.0	33	0	0	112	0	0	0	112
377+50	37750	50	16.5	0.0	0.0	31	0	0	143	0	0	0	143
378+00	37800	50	17.0	0.0	0.0	31	0	0	174	0	0	0	174
378+50	37850	50	16.7	0.0	0.0	31	0	0	206	0	0	0	206
379+00	37900	50	15.1	1.1	0.0	29	1	0	235	1	0	0	234
379+50	37950	50	15.1	3.2	0.0	28	4	0	263	6	0	0	257
380+00	38000	50	16.3	3.8	0.0	29	6	0	292	14	0	0	278
380+50	38050	50	15.2	8.3	0.0	29	11	0	321	27	0	0	294
381+00	38100	50	15.1	15.9	0.0	28	22	0	349	54	0	0	295
381+50	38150	50	15.3	20.5	0.0	28	34	0	377	95	0	0	283
381+77	38177	27	15.9	26.0	0.0	16	23	0	393	122	0	0	271
382+00	38200	23	15.2	27.7	0.0	13	23	0	406	150	0	0	256
382+50	38250	50	15.3	36.1	0.0	28	59	0	434	221	0	0	214
383+00	38300	50	16.4	38.0	0.0	29	69	0	464	303	0	0	161
383+50	38350	50	17.9	39.7	0.0	32	72	0	496	389	0	0	106
384+00	38400	50	17.6	43.3	0.0	33	77	0	528	482	0	0	47
384+20	38420	20	11.4	36.2	0.0	11	29	0	539	517	0	0	22
384+50	38450	30	13.5	20.4	0.0	14	31	0	553	555	0	0	-2
385+00	38500	50	12.5	38.6	0.0	24	55	0	577	620	0	0	-43
385+50	38550	50	11.3	35.3	0.0	22	68	0	599	702	0	0	-103
386+00	38600	50	13.1	27.1	0.0	23	58	0	622	772	0	0	-150
386+23	38623	23	14.1	22.6	0.0	12	21	0	633	797	0	0	-164
386+50	38650	27	14.0	17.6	0.0	14	20	0	647	821	0	0	-174
386+89	38689	39	14.4	9.6	0.0	21	20	0	668	845	0	0	-177
387+00	38700	11	14.6	7.7	0.0	6	4	0	674	849	0	0	-175
387+50	38750	50	13.7	3.3	0.0	26	10	0	700	861	0	0	-161
387+76	38776	26	13.1	1.2	0.0	13	2	0	713	864	0	0	-151
388+00	38800	24	12.5	0.3	0.0	11	1	0	724	865	0	0	-140
388+50	38850	50	11.5	0.0	0.0	22	0	0	746	865	0	0	-119
389+00	38900	50	13.0	0.0	0.0	23	0	0	769	865	0	0	-96
389+50	38950	50	13.8	0.0	0.0	25	0	0	794	865	0	0	-71
389+79	38979	29	13.9	0.0	0.0	15	0	0	809	865	0	0	-56
				Column totals		809	721	0					

DIVISION 1 - TEMPORARY CROSSOVER WEST OF STH 93

STATION	Real Station	Distance	AREA (SF) Cut	AREA (SF) Fill	AREA (SF) EBS	Incremental Vol (CY) (Unadjusted) Cut Note 1	Incremental Vol (CY) (Unadjusted) Fill Note 2	Incremental Vol (CY) (Unadjusted) EBS	Cumulative Vol (CY) Cut 1.00 Note 1	Cumulative Vol (CY) Expanded Fill 1.20	Cumulative Vol (CY) Expanded EBS Backfill 1.30 Note 3	Cumulative Vol (CY) Reduced EBS In Fill 0.80 Note 4	Mass Ordinate Note 5
75+50	7550		13.2	63.6	0.0	0	0	0	0	0	0	0	0
76+00	7600	50	14.5	55.1	0.0	26	110	0	26	132	0	0	-106
76+50	7650	50	15.4	43.0	0.0	28	91	0	53	241	0	0	-188
77+00	7700	50	16.6	36.2	0.0	30	73	0	83	329	0	0	-246
77+50	7750	50	17.9	30.0	0.0	32	61	0	115	402	0	0	-288
78+00	7800	50	27.5	0.0	0.0	42	28	0	157	436	0	0	-279
78+03	7803	3	28.0	0.2	0.0	3	0	0	160	436	0	0	-276
78+50	7850	47	13.2	18.4	0.0	36	16	0	196	455	0	0	-259
79+00	7900	50	8.8	16.4	0.0	20	32	0	216	494	0	0	-278
79+50	7950	50	5.3	22.2	0.0	13	36	0	229	537	0	0	-307
80+00	8000	50	1.8	29.9	0.0	7	48	0	236	595	0	0	-359
80+50	8050	50	0.1	31.7	0.0	2	57	0	238	663	0	0	-425
81+00	8100	50	0.0	33.3	0.0	0	60	0	238	735	0	0	-498
81+50	8150	50	0.5	45.5	0.0	0	73	0	238	823	0	0	-585
82+00	8200	50	1.6	51.7	0.0	2	90	0	240	931	0	0	-691
82+50	8250	50	5.5	49.6	0.0	7	94	0	247	1043	0	0	-797
83+00	8300	50	4.3	77.3	0.0	9	118	0	256	1184	0	0	-929
83+50	8350	50	1.7	82.2	0.0	6	148	0	261	1362	0	0	-1100
84+00	8400	50	2.2	65.5	0.0	4	137	0	265	1526	0	0	-1261
84+50	8450	50	2.1	60.8	0.0	4	117	0	269	1666	0	0	-1397
85+00	8500	50	2.4	55.6	0.0	4	108	0	273	1795	0	0	-1522
85+50	8550	50	0.8	52.7	0.0	3	100	0	276	1916	0	0	-1640
86+00	8600	50	3.7	46.9	0.0	4	92	0	280	2026	0	0	-1746
86+34	8634	34	3.3	44.8	0.0	4	58	0	285	2096	0	0	-1811
86+50	8650	16	3.0	44.0	0.0	2	26	0	287	2127	0	0	-1841
87+00	8700	50	3.3	37.6	0.0	6	76	0	292	2218	0	0	-1926
87+50	8750	50	2.9	32.6	0.0	6	65	0	298	2296	0	0	-1998
88+00	8800	50	3.0	24.8	0.0	5	53	0	304	2360	0	0	-2056
88+50	8850	50	4.1	16.4	0.0	7	38	0	310	2406	0	0	-2095
89+00	8900	50	7.1	6.0	0.0	10	21	0	320	2430	0	0	-2110
89+50	8950	50	8.6	0.7	0.0	15	6	0	335	2438	0	0	-2103
90+00	9000	50	18.8	0.0	0.0	25	1	0	360	2439	0	0	-2078
90+50	9050	50	14.0	0.0	0.0	30	0	0	391	2439	0	0	-2048
		Column totals				391	2032	0					

DIVISION 1 - TEMPORARY CROSSOVER WEST OF USH 53

STATION	Real Station	Distance	AREA (SF) Cut	AREA (SF) Fill	AREA (SF) EBS	Incremental Vol (CY) (Unadjusted) Cut Note 1	Incremental Vol (CY) (Unadjusted) Fill Note 2	Incremental Vol (CY) (Unadjusted) EBS	Cumulative Vol (CY) Cut 1.00 Note 1	Cumulative Vol (CY) Expanded Fill 1.20	Cumulative Vol (CY) Expanded EBS Backfill 1.30 Note 3	Cumulative Vol (CY) Reduced EBS In Fill 0.80 Note 4	Mass Ordinate Note 5
534+21	53421		25.0	0.1	0.0	0	0	0	0	0	0	0	0
534+50	53450	29	36.3	20.3	0.0	33	11	0	33	13	0	0	20
535+00	53500	50	33.5	16.5	0.0	65	34	0	98	54	0	0	44
535+50	53550	50	35.0	17.7	0.0	63	32	0	161	92	0	0	69
536+00	53600	50	33.4	20.4	0.0	63	35	0	224	134	0	0	90
536+50	53650	50	30.6	23.2	0.0	59	40	0	284	183	0	0	101
537+00	53700	50	28.0	26.7	0.0	54	46	0	338	238	0	0	100
537+50	53750	50	28.7	27.1	0.0	53	50	0	390	298	0	0	92
538+00	53800	50	28.3	27.4	0.0	53	50	0	443	359	0	0	85
538+50	53850	50	27.4	27.7	0.0	52	51	0	495	420	0	0	75
539+00	53900	50	27.5	27.4	0.0	51	51	0	546	481	0	0	64
539+50	53950	50	26.3	28.9	0.0	50	52	0	595	544	0	0	52
540+00	54000	50	28.0	25.9	0.0	50	51	0	646	604	0	0	41
540+50	54050	50	28.9	29.4	0.0	53	51	0	698	666	0	0	32
540+98	54098	48	29.1	25.2	0.0	52	49	0	750	724	0	0	26
541+00	54100	2	29.1	24.9	0.0	2	2	0	752	726	0	0	26
541+50	54150	50	31.4	15.6	0.0	56	38	0	808	771	0	0	37
541+92	54192	42	31.4	16.9	0.0	49	25	0	857	802	0	0	55
542+00	54200	8	31.3	17.4	0.0	9	5	0	866	808	0	0	58
542+50	54250	50	28.9	23.4	0.0	56	38	0	922	853	0	0	69
543+00	54300	50	25.4	28.9	0.0	50	48	0	972	911	0	0	61
543+50	54350	50	24.7	30.4	0.0	46	55	0	1019	977	0	0	41
544+00	54400	50	26.2	26.2	0.0	47	52	0	1066	1040	0	0	26
544+50	54450	50	30.4	16.1	0.0	52	39	0	1118	1087	0	0	31
545+00	54500	50	31.6	12.7	0.0	57	27	0	1176	1119	0	0	56
545+50	54550	50	17.8	5.2	0.0	46	17	0	1221	1139	0	0	82
546+00	54600	50	18.0	1.6	0.0	33	6	0	1254	1146	0	0	108
546+50	54650	50	18.9	0.6	0.0	34	2	0	1289	1149	0	0	140
547+00	54700	50	16.9	0.4	0.0	33	1	0	1322	1150	0	0	172
547+50	54750	50	14.8	0.5	0.0	29	1	0	1351	1151	0	0	200
548+00	54800	50	17.8	0.0	0.0	30	0	0	1381	1152	0	0	230
548+50	54850	50	19.0	0.0	0.0	34	0	0	1415	1152	0	0	264
549+00	54900	50	19.7	0.0	0.0	36	0	0	1451	1152	0	0	300
549+05	54905	5	19.5	0.0	0.0	4	0	0	1455	1152	0	0	303
					Column totals	1455	960	0					

DIVISION 1 - TEMPORARY CROSSOVER RAMP 'F'

STATION	Real Station	Distance	AREA (SF) Cut	AREA (SF) Fill	AREA (SF) EBS	Incremental Vol (CY) (Unadjusted) Cut Note 1	Incremental Vol (CY) (Unadjusted) Fill Note 2	Incremental Vol (CY) (Unadjusted) EBS	Cumulative Vol (CY) Cut 1.00 Note 1	Cumulative Vol (CY) Expanded Fill 1.20	Cumulative Vol (CY) Expanded EBS Backfill 1.30 Note 3	Cumulative Vol (CY) Reduced EBS In Fill 0.80 Note 4	Mass Ordinate Note 5
50+50	5050		10.2	1.0	0.0	0	0	0	0	0	0	0	0
51+00	5100	50	14.8	0.1	0.0	23	1	0	23	1	0	0	22
51+50	5150	50	19.7	0.0	0.0	32	0	0	55	1	0	0	54
52+00	5200	50	9.4	0.0	0.0	27	0	0	82	1	0	0	81
52+50	5250	50	0.7	0.1	0.0	9	0	0	91	1	0	0	90
53+00	5300	50	9.8	20.7	0.0	10	19	0	101	25	0	0	77
53+50	5350	50	9.8	43.8	0.0	18	60	0	119	96	0	0	23
54+00	5400	50	8.5	52.3	0.0	17	89	0	136	203	0	0	-67
54+50	5450	50	3.0	73.0	0.0	11	116	0	147	342	0	0	-195
55+00	5500	50	3.2	63.6	0.0	6	126	0	153	494	0	0	-341
55+50	5550	50	2.9	41.6	0.0	6	97	0	158	611	0	0	-453
55+75	5575	25	3.2	34.5	0.0	3	35	0	161	653	0	0	-492
56+00	5600	25	2.9	30.3	0.0	3	30	0	164	689	0	0	-525
56+50	5650	50	2.6	23.1	0.0	5	49	0	169	749	0	0	-580
57+00	5700	50	2.4	21.0	0.0	5	41	0	174	798	0	0	-624
57+50	5750	50	3.0	16.5	0.0	5	35	0	179	839	0	0	-661
58+00	5800	50	2.5	21.2	0.0	5	35	0	184	881	0	0	-697
58+50	5850	50	2.4	18.5	0.0	5	37	0	188	925	0	0	-737
59+00	5900	50	3.4	9.2	0.0	5	26	0	194	956	0	0	-762
59+50	5950	50	7.0	2.0	0.0	10	10	0	203	968	0	0	-765
60+00	6000	50	9.1	0.2	0.0	15	2	0	218	971	0	0	-753
60+50	6050	50	13.4	0.0	0.0	21	0	0	239	971	0	0	-732
60+75	6075	25	14.9	0.0	0.0	13	0	0	252	971	0	0	-719
		Column totals				252	809	0					

DIVISION 1 - TEMPORARY CROSSOVER RAMP 'H'

STATION	Real Station	Distance	AREA (SF) Cut	AREA (SF) Fill	AREA (SF) EBS	Incremental Vol (CY) (Unadjusted) Cut Note 1	Incremental Vol (CY) (Unadjusted) Fill Note 2	Incremental Vol (CY) (Unadjusted) EBS	Cumulative Vol (CY) Cut 1.00 Note 1	Expanded Fill 1.20	Expanded EBS Backfill 1.30 Note 3	Reduced EBS In Fill 0.80 Note 4	Mass Ordinate Note 5
120+25	12025		19.9	0.0	0.0	0	0	0	0	0	0	0	0
120+50	12050	25	18.8	0.0	0.0	18	0	0	18	0	0	0	18
121+00	12100	50	16.2	0.5	0.0	32	0	0	50	1	0	0	50
121+50	12150	50	11.4	4.0	0.0	26	4	0	76	6	0	0	70
122+00	12200	50	7.2	5.4	0.0	17	9	0	93	16	0	0	77
122+50	12250	50	6.6	4.1	0.0	13	9	0	106	27	0	0	79
123+00	12300	50	8.8	4.5	0.0	14	8	0	120	36	0	0	84
123+50	12350	50	7.5	5.8	0.0	15	10	0	135	48	0	0	88
124+00	12400	50	4.9	9.1	0.0	11	14	0	147	64	0	0	83
124+50	12450	50	9.1	4.6	0.0	13	13	0	160	79	0	0	80
125+00	12500	50	7.2	7.9	0.0	15	12	0	175	93	0	0	82
125+50	12550	50	5.0	36.3	0.0	11	41	0	186	142	0	0	44
126+00	12600	50	6.3	53.6	0.0	10	83	0	197	242	0	0	-46
126+50	12650	50	4.8	96.5	0.0	10	139	0	207	409	0	0	-202
127+00	12700	50	3.3	137.9	0.0	8	217	0	214	669	0	0	-455
127+50	12750	50	4.0	175.9	0.0	7	291	0	221	1018	0	0	-797
128+00	12800	50	0.0	118.9	0.0	4	273	0	225	1346	0	0	-1121
128+50	12850	50	1.2	86.7	0.0	1	190	0	226	1574	0	0	-1348
129+00	12900	50	14.1	52.7	0.0	14	129	0	240	1729	0	0	-1489
129+50	12950	50	12.3	22.0	0.0	24	69	0	264	1812	0	0	-1548
130+00	13000	50	10.4	0.0	0.0	21	20	0	286	1836	0	0	-1551
130+50	13050	50	24.1	0.2	0.0	32	0	0	317	1837	0	0	-1519
131+00	13100	50	15.6	0.0	0.0	37	0	0	354	1837	0	0	-1483
131+50	13150	50	20.3	0.0	0.0	33	0	0	387	1837	0	0	-1449
132+00	13200	50	5.8	0.4	0.0	24	0	0	412	1837	0	0	-1426
132+25	13225	25	7.7	2.5	0.0	6	1	0	418	1839	0	0	-1421
		Column totals				418	1532	0					

DIVISION 2 - IH 94 EASTBOUND

STATION	Real Station	Distance	AREA (SF) Cut	AREA (SF) Fill	AREA (SF) EBS	Incremental Vol (CY) (Unadjusted) Cut Note 1	Incremental Vol (CY) (Unadjusted) Fill Note 2	Incremental Vol (CY) (Unadjusted) EBS	Cumulative Vol (CY) Cut 1.00 Note 1	Cumulative Vol (CY) Expanded Fill 1.20	Cumulative Vol (CY) Expanded EBS Backfill 1.30 Note 3	Cumulative Vol (CY) Reduced EBS In Fill 0.80 Note 4	Mass Ordinate Note 5
400+00	40000		85.5	0.0	0.0	0	0	0	0	0	0	0	0
401+00	40100	100	81.9	0.0	0.0	310	0	0	310	0	0	0	310
402+00	40200	100	92.3	0.0	0.0	323	0	0	633	0	0	0	633
403+00	40300	100	88.9	0.0	0.0	336	0	0	968	0	0	0	968
404+00	40400	100	83.9	0.0	0.0	320	0	0	1288	0	0	0	1288
405+00	40500	100	67.6	3.0	0.0	281	6	0	1569	7	0	0	1562
406+00	40600	100	45.7	12.5	0.0	210	29	0	1779	41	0	0	1737
406+98	40698	98	37.4	126.3	0.0	151	252	0	1929	343	0	0	1586
408+69	40869	0	37.7	114.9	0.0	0	0	0	1929	343	0	0	1586
409+00	40900	31	38.9	66.4	0.0	44	104	0	1973	468	0	0	1505
410+00	41000	100	48.7	29.1	0.0	162	177	0	2136	681	0	0	1455
411+00	41100	100	55.5	13.6	0.0	193	79	0	2328	775	0	0	1553
412+00	41200	100	56.7	1.0	0.0	208	27	0	2536	808	0	0	1728
413+00	41300	100	61.5	0.0	0.0	219	2	0	2755	810	0	0	1945
414+00	41400	100	66.5	2.5	0.0	237	5	0	2992	816	0	0	2177
415+00	41500	100	72.4	0.0	0.0	257	5	0	3249	821	0	0	2428
415+75	41575	75	70.0	0.0	0.0	198	0	0	3447	821	0	0	2626
Column totals						3447	684	0					

9

9

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	EARTHWORK	SHEET:	E

FILE NAME : _____ PLOT DATE : _____ PLOT BY : _____ PLOT NAME : _____ ORG DATE : _____ ORIGINATOR : DIST _ PLOT SCALE : 1:1

DIVISION 2 - IH 94 EASTBOUND

STATION	Real Station	Distance	AREA (SF) Cut	AREA (SF) Fill	AREA (SF) EBS	Incremental Vol (CY) (Unadjusted) Cut Note 1	Incremental Vol (CY) (Unadjusted) Fill Note 2	Incremental Vol (CY) (Unadjusted) EBS	Cumulative Vol (CY) Cut 1.00 Note 1	Expanded Fill 1.20	Expanded EBS Backfill 1.30 Note 3	Reduced EBS In Fill 0.80 Note 4	Mass Ordinate Note 5
448+00	44800		56.2	5.0	0.0	0	0	0	0	0	0	0	0
449+00	44900	100	59.6	28.1	0.0	214	61	0	214	74	0	0	141
450+00	45000	100	59.3	41.4	0.0	220	129	0	435	228	0	0	207
451+00	45100	100	62.1	27.1	0.0	225	127	0	659	380	0	0	279
452+00	45200	100	58.1	12.4	0.0	223	73	0	882	468	0	0	414
453+00	45300	100	66.3	9.3	0.0	230	40	0	1112	516	0	0	596
454+00	45400	100	70.8	3.0	0.0	254	23	0	1366	544	0	0	823
455+00	45500	100	74.6	21.7	0.0	269	46	0	1636	598	0	0	1037
456+00	45600	100	93.9	5.9	0.0	312	51	0	1948	660	0	0	1288
457+00	45700	100	101.8	1.9	0.0	362	14	0	2310	677	0	0	1633
458+00	45800	100	64.5	0.0	0.0	308	4	0	2618	681	0	0	1937
459+00	45900	100	63.3	0.0	0.0	237	0	0	2855	681	0	0	2173
460+00	46000	100	56.3	0.0	0.0	221	0	0	3076	681	0	0	2395
461+00	46100	100	58.5	0.0	0.0	213	0	0	3289	681	0	0	2607
462+00	46200	100	63.7	0.0	0.0	226	0	0	3515	681	0	0	2834
463+00	46300	100	64.6	0.0	0.0	238	0	0	3753	681	0	0	3071
464+00	46400	100	70.7	0.0	0.0	251	0	0	4003	681	0	0	3322
465+00	46500	100	70.5	0.0	0.0	261	0	0	4265	681	0	0	3583
466+00	46600	100	79.3	0.0	0.0	277	0	0	4542	681	0	0	3861
467+00	46700	100	83.8	0.0	0.0	302	0	0	4844	681	0	0	4163
468+00	46800	100	71.2	0.0	0.0	287	0	0	5131	681	0	0	4450
469+00	46900	100	94.9	0.0	0.0	308	0	0	5439	681	0	0	4757
470+00	47000	100	65.8	0.0	0.0	298	0	0	5736	681	0	0	5055
471+00	47100	100	60.2	0.3	0.0	233	1	0	5970	682	0	0	5288
472+00	47200	100	64.1	1.3	0.0	230	3	0	6200	686	0	0	5514
473+00	47300	100	62.8	2.1	0.0	235	6	0	6435	693	0	0	5742
474+00	47400	100	65.9	13.3	0.0	238	29	0	6673	727	0	0	5946
475+00	47500	100	66.7	4.4	0.0	246	33	0	6919	767	0	0	6152
476+00	47600	100	65.7	7.9	0.0	245	23	0	7164	794	0	0	6370
477+00	47700	100	69.4	0.0	0.0	250	15	0	7414	812	0	0	6603
478+00	47800	100	72.8	0.0	0.0	263	0	0	7677	812	0	0	6866
479+00	47900	100	72.6	0.0	0.0	269	0	0	7947	812	0	0	7135
480+00	48000	100	99.7	3.4	0.0	319	6	0	8266	819	0	0	7447
481+00	48100	100	91.3	1.3	0.0	354	9	0	8619	830	0	0	7790
482+00	48200	100	91.4	1.1	0.0	338	4	0	8958	835	0	0	8123
483+00	48300	100	86.4	7.2	0.0	329	15	0	9287	853	0	0	8434
484+00	48400	100	120.7	0.0	0.0	384	13	0	9671	869	0	0	8801
485+00	48500	100	126.5	0.0	0.0	458	0	0	10128	869	0	0	9259
486+00	48600	100	124.8	0.0	0.0	465	0	0	10594	869	0	0	9724
487+00	48700	100	138.4	0.0	0.0	487	0	0	11081	869	0	0	10212
488+00	48800	100	140.9	0.0	0.0	517	0	0	11598	869	0	0	10729
489+00	48900	100	146.1	2.8	0.0	531	5	0	12130	876	0	0	11254
490+00	49000	100	153.8	0.8	0.0	555	7	0	12685	884	0	0	11802
491+00	49100	100	172.4	0.5	0.0	604	2	0	13289	886	0	0	12403
Column totals						CONTINUED ON NEXT SHEET							

DIVISION 2 - IH 94 EASTBOUND

STATION	Real Station	Distance	AREA (SF) Cut	AREA (SF) Fill	AREA (SF) EBS	Incremental Vol (CY) (Unadjusted) Cut Note 1	Incremental Vol (CY) (Unadjusted) Fill Note 2	Incremental Vol (CY) (Unadjusted) EBS	Cumulative Vol (CY) Cut 1.00 Note 1	Cumulative Vol (CY) Expanded Fill 1.20	Cumulative Vol (CY) Expanded EBS Backfill 1.30 Note 3	Cumulative Vol (CY) Reduced EBS In Fill 0.80 Note 4	Mass Ordinate Note 5
491+00	49100	0	172.4	0.5	0.0	604	2	0	13289	886	0	0	12403
492+00	49200	100	154.2	0.1	0.0	605	1	0	13894	888	0	0	13006
493+00	49300	100	147.8	0.4	0.0	559	1	0	14453	889	0	0	13564
494+00	49400	100	146.3	4.2	0.0	545	9	0	14998	899	0	0	14099
495+00	49500	100	132.7	10.4	0.0	517	27	0	15515	932	0	0	14583
496+00	49600	100	128.6	76.5	0.0	484	161	0	15999	1125	0	0	14874
497+00	49700	100	124.4	125.3	0.0	469	374	0	16467	1573	0	0	14894
498+00	49800	100	106.1	145.5	0.0	427	501	0	16894	2175	0	0	14719
499+00	49900	100	94.3	78.0	0.0	371	414	0	17265	2672	0	0	14593
500+00	50000	100	87.7	43.5	0.0	337	225	0	17602	2942	0	0	14660
501+00	50100	100	88.6	22.6	0.0	326	122	0	17929	3088	0	0	14840
502+00	50200	100	86.0	6.6	0.0	323	54	0	18252	3153	0	0	15099
503+00	50300	100	77.7	13.9	0.0	303	38	0	18555	3199	0	0	15356
504+00	50400	100	75.3	13.0	0.0	283	50	0	18838	3259	0	0	15580
505+00	50500	100	81.6	7.4	0.0	291	38	0	19129	3304	0	0	15825
506+00	50600	100	83.4	3.4	0.0	306	20	0	19434	3328	0	0	16106
507+00	50700	100	87.7	10.2	0.0	317	25	0	19751	3358	0	0	16393
508+00	50800	100	82.1	32.4	0.0	314	79	0	20066	3453	0	0	16613
509+00	50900	100	85.1	21.5	0.0	310	100	0	20375	3573	0	0	16803
510+00	51000	100	83.0	3.6	0.0	311	46	0	20687	3628	0	0	17058
511+00	51100	100	83.1	34.5	0.0	308	71	0	20994	3713	0	0	17281
512+00	51200	100	85.5	3.8	0.0	312	71	0	21306	3798	0	0	17508
513+00	51300	100	83.5	5.1	0.0	313	16	0	21619	3818	0	0	17801
514+00	51400	100	86.7	1.1	0.0	315	11	0	21935	3832	0	0	18103
515+00	51500	100	86.8	0.3	0.0	321	3	0	22256	3835	0	0	18421
516+00	51600	100	92.7	0.1	0.0	332	1	0	22588	3836	0	0	18753
517+00	51700	100	92.7	0.3	0.0	343	1	0	22932	3837	0	0	19095
518+00	51800	100	84.0	0.3	0.0	327	1	0	23259	3838	0	0	19421
519+00	51900	100	88.4	0.1	0.0	319	1	0	23578	3839	0	0	19739
520+00	52000	100	98.6	0.0	0.0	346	0	0	23924	3839	0	0	20085
521+00	52100	100	99.7	0.0	0.0	367	0	0	24292	3839	0	0	20453
522+00	52200	100	0.0	0.0	0.0	185	0	0	24476	3839	0	0	20637
523+00	52300	100	99.7	0.0	0.0	185	0	0	24661	3839	0	0	20822
524+00	52400	100	94.9	2.7	0.0	360	5	0	25021	3845	0	0	21176
525+00	52500	100	92.2	2.2	0.0	346	9	0	25368	3856	0	0	21512
526+00	52600	100	90.8	3.0	0.0	339	10	0	25707	3868	0	0	21839
527+00	52700	100	93.8	2.4	0.0	342	10	0	26049	3880	0	0	22169
528+00	52800	100	88.2	4.7	0.0	337	13	0	26386	3895	0	0	22490
529+00	52900	100	85.6	3.3	0.0	322	15	0	26707	3913	0	0	22794
530+00	53000	100	80.0	1.8	0.0	307	9	0	27014	3924	0	0	23090
531+00	53100	100	89.8	1.7	0.0	314	6	0	27329	3932	0	0	23396
532+00	53200	100	98.2	1.2	0.0	348	5	0	27677	3939	0	0	23738
533+00	53300	100	100.2	0.6	42.0	367	3	78	28044	3868	101	62	24176
534+00	53400	100	81.7	2.3	42.0	337	5	156	28381	3725	303	187	24656
534+15	53415	15	80.3	2.7	42.0	45	1	23	28426	3704	334	205	24722
				Column totals		28426	3292	257					

DIVISION 3 - IH 94 EASTBOUND

STATION	Real Station	Distance	AREA (SF) Cut	AREA (SF) Fill	AREA (SF) EBS	Incremental Vol (CY) (Unadjusted) Cut Note 1	Incremental Vol (CY) (Unadjusted) Fill Note 2	Incremental Vol (CY) (Unadjusted) EBS	Cumulative Vol (CY) Cut 1.00 Note 1	Cumulative Vol (CY) Expanded Fill 1.20	Cumulative Vol (CY) Expanded EBS Backfill 1.30 Note 3	Cumulative Vol (CY) Reduced EBS In Fill 0.80 Note 4	Mass Ordinate Note 5
256+74	25674		72.5	4.3	42.0	0	0	0	0	0	0	0	0
257+00	25700	26	88.5	3.0	42.0	78	4	40	78	-35	53	32	112
258+00	25800	100	84.4	34.6	42.0	320	70	156	398	-100	255	157	498
259+00	25900	100	91.6	9.8	0.0	326	82	78	724	-76	356	219	800
260+00	26000	100	98.7	12.1	0.0	352	41	0	1076	-28	356	219	1104
261+00	26100	100	100.9	35.2	0.0	370	88	0	1446	77	356	219	1368
262+00	26200	100	99.9	30.4	42.0	372	121	78	1818	149	457	281	1669
263+00	26300	100	103.6	13.3	42.0	377	81	156	2194	96	659	406	2098
264+00	26400	100	85.3	15.9	42.0	350	54	156	2544	12	861	530	2532
265+00	26500	100	78.2	33.7	42.0	303	92	156	2847	-27	1064	655	2874
265+02	26502	2	74.8	36.5	42.0	6	3	3	2853	-27	1068	657	2880
267+34	26734	0	68.8	48.0	42.0	0	0	0	2853	-27	1068	657	2880
268+00	26800	66	72.5	72.0	42.0	173	147	103	3025	50	1201	739	2975
269+00	26900	100	73.3	22.1	42.0	270	174	156	3295	110	1403	864	3185
270+00	27000	100	73.8	25.9	42.0	272	89	156	3568	67	1606	988	3500
271+00	27100	100	82.8	18.1	42.0	290	81	156	3858	16	1808	1113	3842
272+00	27200	100	89.7	0.9	42.0	319	35	156	4177	-91	2010	1237	4268
273+00	27300	100	122.1	0.0	0.0	392	2	78	4569	-164	2111	1299	4733
274+00	27400	100	151.8	0.0	0.0	507	0	0	5077	-164	2111	1299	5241
275+00	27500	100	169.1	0.0	0.0	594	0	0	5671	-164	2111	1299	5835
276+00	27600	100	261.5	0.0	0.0	797	0	0	6468	-164	2111	1299	6632
277+00	27700	100	271.3	0.3	0.0	987	1	0	7455	-163	2111	1299	7618
278+00	27800	100	251.7	0.0	0.0	969	1	0	8423	-163	2111	1299	8586
279+00	27900	100	257.4	0.0	0.0	943	0	0	9366	-163	2111	1299	9529
280+00	28000	100	247.7	0.0	0.0	935	0	0	10302	-163	2111	1299	10464
281+00	28100	100	313.3	0.0	0.0	1039	0	0	11341	-163	2111	1299	11503
282+00	28200	100	221.2	0.0	0.0	990	0	0	12330	-163	2111	1299	12493
283+00	28300	100	201.6	0.0	0.0	783	0	0	13113	-163	2111	1299	13276
284+00	28400	100	202.3	0.0	0.0	748	0	0	13861	-163	2111	1299	14024
285+00	28500	100	149.7	21.2	0.0	652	39	0	14513	-115	2111	1299	14629
286+00	28600	100	128.1	67.0	0.0	514	163	0	15028	81	2111	1299	14947
287+00	28700	100	115.3	74.9	0.0	451	263	0	15478	396	2111	1299	15082
288+00	28800	100	45.9	122.6	0.0	299	366	0	15777	835	2111	1299	14942
289+00	28900	100	38.9	67.1	42.0	157	351	78	15934	1182	2212	1361	14752
290+00	29000	100	39.6	17.0	42.0	145	156	156	16079	1219	2415	1486	14860
291+00	29100	100	49.7	2.7	42.0	165	36	156	16245	1114	2617	1610	15131
291+50	29150	50	56.2	0.6	42.0	98	3	78	16343	1043	2718	1673	15300
				Column totals		16343	2541	2091					

DIVISION 3 - IH 94 WESTBOUND

STATION	Real Station	Distance	AREA (SF) Cut	AREA (SF) Fill	AREA (SF) EBS	Incremental Vol (CY) (Unadjusted) Cut Note 1	Incremental Vol (CY) (Unadjusted) Fill Note 2	Incremental Vol (CY) (Unadjusted) EBS	Cumulative Vol (CY) Cut 1.00 Note 1	Expanded Fill 1.20	Expanded EBS Backfill 1.30 Note 3	Reduced EBS In Fill 0.80 Note 4	Mass Ordinate Note 5
257+05	25705		70.6	0.2	42.0	0	0	0	0	0	0	0	0
258+00	25800	95	76.4	8.2	42.0	259	15	148	259	-124	192	118	383
259+00	25900	100	99.4	1.4	42.0	326	18	156	584	-252	394	243	836
260+00	26000	100	121.3	13.6	0.0	409	28	78	993	-293	495	305	1286
261+00	26100	100	124.8	23.4	0.0	456	69	0	1449	-211	495	305	1660
262+00	26200	100	122.9	21.5	0.0	459	83	0	1907	-111	495	305	2019
263+00	26300	100	121.9	5.4	0.0	453	50	0	2361	-52	495	305	2412
264+00	26400	100	112.6	0.0	42.0	434	10	78	2795	-114	597	367	2909
265+00	26500	100	115.7	2.8	42.0	423	5	156	3218	-257	799	492	3475
265+14	26514	14	122.6	0.0	42.0	62	1	22	3279	-278	827	509	3557
267+39	26739	0	76.5	33.0	42.0	0	0	0	3279	-278	827	509	3557
268+00	26800	61	86.5	33.8	42.0	184	75	95	3464	-278	950	585	3742
269+00	26900	100	79.4	14.2	42.0	307	89	156	3771	-321	1153	709	4092
270+00	27000	100	90.3	1.7	42.0	314	29	156	4085	-435	1355	834	4520
271+00	27100	100	103.6	0.9	0.0	359	5	78	4444	-504	1456	896	4948
272+00	27200	100	114.2	0.0	0.0	403	2	0	4847	-502	1456	896	5349
273+00	27300	100	120.1	0.0	0.0	434	0	0	5281	-502	1456	896	5783
274+00	27400	100	133.5	0.0	0.0	470	0	0	5751	-502	1456	896	6253
275+00	27500	100	156.2	0.0	0.0	536	0	0	6287	-502	1456	896	6789
276+00	27600	100	155.1	0.0	0.0	576	0	0	6864	-502	1456	896	7366
277+00	27700	100	136.2	0.0	0.0	539	0	0	7403	-502	1456	896	7905
278+00	27800	100	130.1	0.0	0.0	493	0	0	7897	-502	1456	896	8398
279+00	27900	100	186.5	0.0	0.0	586	0	0	8483	-502	1456	896	8984
280+00	28000	100	179.7	0.0	0.0	678	0	0	9161	-502	1456	896	9663
281+00	28100	100	133.5	0.0	0.0	580	0	0	9741	-502	1456	896	10243
282+00	28200	100	431.9	0.0	0.0	1047	0	0	10788	-502	1456	896	11290
283+00	28300	100	400.4	0.0	0.0	1541	0	0	12329	-502	1456	896	12831
284+00	28400	100	382.3	0.0	0.0	1449	0	0	13779	-502	1456	896	14280
285+00	28500	100	155.1	2.5	0.0	995	5	0	14774	-496	1456	896	15270
286+00	28600	100	77.8	2.5	0.0	431	9	0	15205	-485	1456	896	15690
287+00	28700	100	714.8	0.1	0.0	1468	5	0	16673	-479	1456	896	17152
288+00	28800	100	70.6	0.0	0.0	1454	0	0	18127	-479	1456	896	18606
289+00	28900	100	59.5	0.0	0.0	241	0	0	18368	-479	1456	896	18847
290+00	29000	100	53.0	0.2	0.0	208	0	0	18577	-478	1456	896	19055
291+00	29100	100	44.4	0.4	0.0	180	1	0	18757	-477	1456	896	19234
292+00	29200	100	72.9	0.7	0.0	217	2	0	18974	-475	1456	896	19449
293+00	29300	100	66.0	1.9	42.0	257	5	78	19231	-544	1557	958	19775
294+00	29400	100	62.2	2.9	42.0	237	9	156	19469	-682	1759	1083	20151
295+00	29500	100	63.7	1.9	42.0	233	9	156	19702	-821	1962	1207	20523
295+50	29550	50	66.1	1.7	42.0	120	3	78	19822	-892	2063	1269	20714
					Column totals	19822	526	1587					

DIVISION 3 - RAMP 'A'

STATION	Real Station	Distance	AREA (SF) Cut	AREA (SF) Fill	AREA (SF) EBS	Incremental Vol (CY) (Unadjusted) Cut Note 1	Incremental Vol (CY) (Unadjusted) Fill Note 2	Incremental Vol (CY) (Unadjusted) EBS	Cumulative Vol (CY) Cut 1.00 Note 1	Expanded Fill 1.2	Expanded EBS Backfill 1.30 Note 3	Reduced EBS In Fill 0.80 Note 4	Mass Ordinate Note 5
268+53	26853		23.3	2.3	27.0	0	0	0	0	0	0	0	0
269+00	26900	47	29.4	2.8	27.0	46	4	47	46	-40	61	38	86
269+50	26950	50	28.4	4.9	27.0	54	7	50	99	-79	126	78	179
270+00	27000	50	25.1	3.1	27.0	50	7	50	149	-118	191	118	267
270+50	27050	50	52.6	1.7	0.0	72	4	25	221	-137	224	138	358
271+00	27100	50	60.9	0.2	0.0	105	2	0	326	-135	224	138	461
271+50	27150	50	83.5	0.0	0.0	134	0	0	460	-135	224	138	594
272+00	27200	50	112.9	0.0	0.0	182	0	0	642	-135	224	138	776
272+50	27250	50	138.0	0.0	0.0	232	0	0	874	-135	224	138	1009
273+00	27300	50	128.9	0.0	0.0	247	0	0	1121	-135	224	138	1256
273+50	27350	50	134.0	0.0	0.0	243	0	0	1364	-135	224	138	1499
274+00	27400	50	142.8	0.0	0.0	256	0	0	1621	-135	224	138	1755
274+50	27450	50	138.1	0.0	0.0	260	0	0	1881	-135	224	138	2015
275+00	27500	50	124.2	0.0	0.0	243	0	0	2124	-135	224	138	2258
275+50	27550	50	115.8	0.0	0.0	222	0	0	2346	-135	224	138	2481
276+00	27600	50	110.9	0.0	0.0	210	0	0	2556	-135	224	138	2690
276+50	27650	50	112.8	0.0	0.0	207	0	0	2763	-135	224	138	2898
277+00	27700	50	117.3	0.0	0.0	213	0	0	2976	-135	224	138	3111
277+50	27750	50	123.5	0.0	0.0	223	0	0	3199	-135	224	138	3334
277+60	27760	10	121.7	0.0	0.0	45	0	0	3244	-135	224	138	3379
			Column totals			3244	25	172					

9

9

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	EARTHWORK	SHEET:	E

FILE NAME : _____ PLOT DATE : _____ PLOT BY : _____ PLOT NAME : _____ ORG DATE : _____ ORIGINATOR : DIST _ PLOT SCALE : 1:1

DIVISION 3 - RAMP 'B'

STATION	Real Station	Distance	AREA (SF) Cut	AREA (SF) Fill	AREA (SF) EBS	Incremental Vol (CY) (Unadjusted) Cut Note 1	Incremental Vol (CY) (Unadjusted) Fill Note 2	Incremental Vol (CY) (Unadjusted) EBS	Cumulative Vol (CY) Cut 1.00 Note 1	Cumulative Vol (CY) Expanded Fill 1.20	Cumulative Vol (CY) Expanded EBS Backfill 1.30 Note 3	Cumulative Vol (CY) Reduced EBS In Fill 0.80 Note 4	Mass Ordinate Note 5
264+85	26485		100.7	0.0	0.0	0	0	0	0	0	0	0	0
265+00	26500	15	93.3	0.0	0.0	54	0	0	54	0	0	0	54
265+50	26550	50	82.4	0.0	0.0	163	0	0	217	0	0	0	217
266+00	26600	50	78.3	0.0	0.0	149	0	0	365	0	0	0	365
266+50	26650	50	80.7	6.3	0.0	147	6	0	513	7	0	0	506
267+00	26700	50	77.6	0.7	0.0	147	6	0	659	15	0	0	644
267+50	26750	50	122.2	0.0	0.0	185	1	0	844	16	0	0	829
268+00	26800	50	95.6	0.0	0.0	202	0	0	1046	16	0	0	1030
268+50	26850	50	107.1	0.0	0.0	188	0	0	1234	16	0	0	1218
269+00	26900	50	110.4	0.0	0.0	201	0	0	1435	16	0	0	1419
269+50	26950	50	101.6	0.0	0.0	196	0	0	1631	16	0	0	1616
270+00	27000	50	100.0	0.0	0.0	187	0	0	1818	16	0	0	1802
270+50	27050	50	152.0	0.0	0.0	233	0	0	2051	16	0	0	2036
271+00	27100	50	117.2	0.0	0.0	249	0	0	2300	16	0	0	2285
271+50	27150	50	114.7	0.0	0.0	215	0	0	2515	16	0	0	2500
272+00	27200	50	112.7	0.0	0.0	211	0	0	2726	16	0	0	2710
272+50	27250	50	98.8	0.0	0.0	196	0	0	2922	16	0	0	2906
273+00	27300	50	99.2	0.0	0.0	183	0	0	3105	16	0	0	3089
273+50	27350	50	96.5	0.0	0.0	181	0	0	3286	16	0	0	3271
274+00	27400	50	89.2	0.0	0.0	172	0	0	3458	16	0	0	3443
274+50	27450	50	87.2	0.1	0.0	163	0	0	3621	16	0	0	3606
275+00	27500	50	104.1	0.0	0.0	177	0	0	3799	16	0	0	3783
275+50	27550	50	98.7	0.0	0.0	188	0	0	3986	16	0	0	3971
276+00	27600	50	88.4	0.0	0.0	173	0	0	4160	16	0	0	4144
276+50	27650	50	71.7	0.0	0.0	148	0	0	4308	16	0	0	4292
277+00	27700	50	65.4	0.0	27.0	127	0	25	4435	-8	33	20	4443
277+50	27750	50	63.8	0.0	27.0	120	0	50	4554	-56	98	60	4611
278+00	27800	50	60.3	0.0	27.0	115	0	50	4669	-104	163	100	4773
278+30	27830	30	60.3	0.0	27.0	67	0	30	4736	-133	202	124	4869
				Column totals		4736	13	155					

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	EARTHWORK	SHEET:	E

FILE NAME : _____ PLOT DATE : _____ PLOT BY : _____ PLOT NAME : _____ ORG DATE : _____ ORIGINATOR : DIST _ PLOT SCALE : 1:1

DIVISION 3 - RAMP 'C'

STATION	Real Station	Distance	AREA (SF) Cut	AREA (SF) Fill	AREA (SF) EBS	Incremental Vol (CY) (Unadjuste Cut Note 1	Incremental Vol (CY) (Unadjuste Fill Note 2	Incremental Vol (CY) (Unadjuste EBS	Cumulative Vol (CY) Cut 1.00 Note 1	Expanded Fill 1.20	Expanded EBS Backfill 1.30 Note 3	Reduced EBS In Fill 0.80 Note 4	Mass Ordinate Note 5
265+48	26548		114.7	0.0	0.0	0	0	0	0	0	0	0	0
265+50	26550	2	123.2	0.0	0.0	9	0	0	9	0	0	0	9
266+00	26600	50	106.5	0.0	0.0	213	0	0	221	0	0	0	221
266+50	26650	50	95.9	0.0	0.0	187	0	0	409	0	0	0	409
267+00	26700	50	90.9	0.0	0.0	173	0	0	582	0	0	0	582
267+50	26750	50	94.7	0.0	0.0	172	0	0	754	0	0	0	754
268+00	26800	50	103.0	0.0	0.0	183	0	0	937	0	0	0	937
268+50	26850	50	105.9	0.0	0.0	193	0	0	1130	0	0	0	1130
269+00	26900	50	101.6	0.0	0.0	192	0	0	1322	0	0	0	1322
269+50	26950	50	82.3	0.0	0.0	170	0	0	1493	0	0	0	1493
270+00	27000	50	62.3	0.0	0.0	134	0	0	1626	0	0	0	1626
270+50	27050	50	83.6	0.2	0.0	135	0	0	1762	0	0	0	1761
271+00	27100	50	84.6	8.1	0.0	156	8	0	1917	9	0	0	1908
271+50	27150	50	83.7	4.6	0.0	156	12	0	2073	24	0	0	2050
272+00	27200	50	94.8	0.2	0.0	165	4	0	2238	29	0	0	2210
272+50	27250	50	95.8	0.3	0.0	176	0	0	2415	29	0	0	2385
273+00	27300	50	97.2	0.0	0.0	179	0	0	2594	30	0	0	2564
273+50	27350	50	89.9	0.2	0.0	173	0	0	2767	30	0	0	2737
274+00	27400	50	87.0	1.4	0.0	164	1	0	2931	32	0	0	2899
274+50	27450	50	103.2	3.9	27.0	176	5	25	3107	14	33	20	3093
275+00	27500	50	96.2	0.0	27.0	185	4	50	3291	-30	98	60	3321
275+50	27550	50	99.8	0.0	27.0	181	0	50	3473	-78	163	100	3551
275+96	27596	46	110.5	0.0	27.0	179	0	46	3652	-122	222	137	3774
				Column totals		3652	35	171					

DIVISION 3 - RAMP 'D'

STATION	Real Station	Distance	AREA (SF) Cut	AREA (SF) Fill	AREA (SF) EBS	Incremental Vol (CY) (Unadjusted) Cut Note 1	Incremental Vol (CY) (Unadjusted) Fill Note 2	Incremental Vol (CY) (Unadjusted) EBS	Cumulative Vol (CY) Cut 1.00 Note 1	Expanded Fill 1.2	Expanded EBS Backfill 1.30 Note 3	Reduced EBS In Fill 0.80 Note 4	Mass Ordinate Note 5
268+83	26883		37.2	6.7	27.0	0	0	0	0	0	0	0	0
269+00	26900	17	42.8	0.5	27.0	25	2	17	25	-14	22	14	39
269+50	26950	50	48.5	1.4	27.0	85	2	50	110	-59	87	54	169
270+00	27000	50	54.4	0.8	27.0	95	2	50	205	-105	152	94	310
270+50	27050	50	70.7	0.0	0.0	116	1	25	321	-128	185	114	449
271+00	27100	50	84.0	0.0	0.0	143	0	0	464	-128	185	114	592
271+50	27150	50	100.1	0.0	0.0	170	0	0	635	-128	185	114	763
272+00	27200	50	124.1	0.0	0.0	208	0	0	842	-128	185	114	970
272+50	27250	50	120.2	0.0	0.0	226	0	0	1068	-128	185	114	1196
273+00	27300	50	125.3	0.0	0.0	227	0	0	1296	-128	185	114	1424
273+50	27350	50	118.0	0.0	0.0	225	0	0	1521	-128	185	114	1649
274+00	27400	50	94.4	0.0	0.0	197	0	0	1718	-128	185	114	1846
274+50	27450	50	100.8	0.0	0.0	181	0	0	1898	-128	185	114	2026
275+00	27500	50	101.8	0.0	0.0	188	0	0	2086	-128	185	114	2214
275+50	27550	50	114.0	0.0	0.0	200	0	0	2286	-128	185	114	2414
276+00	27600	50	119.0	0.0	0.0	216	0	0	2501	-128	185	114	2630
276+50	27650	50	124.8	0.0	0.0	226	0	0	2727	-128	185	114	2855
277+00	27700	50	121.6	0.0	0.0	228	0	0	2955	-128	185	114	3084
277+50	27750	50	111.5	0.0	0.0	216	0	0	3171	-128	185	114	3299
277+60	27760	10	112.8	0.0	0.0	42	0	0	3213	-128	185	114	3341
			Column totals			3213	7	142					

DIVISION 3 - STH 37 NORTHBOUND

STATION	Real Station	Distance	AREA (SF) Cut	AREA (SF) Fill	AREA (SF) EBS	Incremental Vol (CY) (Unadjusted) Cut Note 1	Incremental Vol (CY) (Unadjusted) Fill Note 2	Incremental Vol (CY) (Unadjusted) EBS	Cumulative Vol (CY) Cut 1.00 Note 1	Expanded Fill 1.20	Expanded EBS Backfill 1.30 Note 3	Reduced EBS In Fill 0.80 Note 4	Mass Ordinate Note 5
23+50	2350	0	138.7	0.0	0.0	0	0	0	0	0	0	0	0
24+00	2400	50	134.3	0.0	0.0	253	0	0	253	0	0	0	253
24+50	2450	50	142.3	0.0	0.0	256	0	0	509	0	0	0	509
25+00	2500	50	190.3	0.0	0.0	308	0	0	817	0	0	0	817
35+00	3500	0	253.5	0.0	0.0	0	0	0	817	0	0	0	817
35+50	3550	50	190.6	0.0	0.0	411	0	0	1228	0	0	0	1228
36+00	3600	50	200.2	0.0	0.0	362	0	0	1590	0	0	0	1590
36+50	3650	50	203.4	0.0	0.0	374	0	0	1964	0	0	0	1964
37+00	3700	50	207.4	0.0	0.0	380	0	0	2344	0	0	0	2344
			Column totals			2344	0	0					

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	EARTHWORK	SHEET:	E

FILE NAME : _____ PLOT DATE : _____ PLOT BY : _____ PLOT NAME : _____ ORG DATE : _____ ORIGINATOR : DIST _ PLOT SCALE : 1:1

DIVISION 3 - TEMPORARY CROSSOVER EAST OF STH 37

STATION	Real Station	Distance	AREA (SF) Cut	AREA (SF) Fill	AREA (SF) EBS	Incremental Vol (CY) (Unadjusted) Cut Note 1	Incremental Vol (CY) (Unadjusted) Fill Note 2	Incremental Vol (CY) (Unadjusted) EBS	Cumulative Vol (CY) Cut 1.00 Note 1	Expanded Fill 1.20	Expanded EBS Backfill 1.30 Note 3	Reduced EBS In Fill 0.80 Note 4	Mass Ordinate Note 5
280+42	28042		48.2	0.0	0.0	0	0	0	0	0	0	0	0
280+50	28050	8	49.2	0.0	0.0	14	0	0	14	0	0	0	14
281+00	28100	50	44.8	0.0	0.0	87	0	0	101	0	0	0	101
281+50	28150	50	55.9	0.0	0.0	93	0	0	195	0	0	0	195
282+00	28200	50	86.5	0.0	0.0	132	0	0	327	0	0	0	327
282+50	28250	50	67.7	0.0	0.0	143	0	0	469	0	0	0	469
283+00	28300	50	79.4	0.0	0.0	136	0	0	606	0	0	0	606
283+05	28305	5	80.4	0.0	0.0	15	0	0	620	0	0	0	620
283+50	28350	45	71.9	0.0	0.0	127	0	0	747	0	0	0	747
284+00	28400	50	75.6	0.0	0.0	137	0	0	884	0	0	0	884
284+50	28450	50	78.5	0.0	0.0	143	0	0	1027	0	0	0	1027
285+00	28500	50	80.3	0.0	0.0	147	0	0	1174	0	0	0	1174
285+22	28522	22	81.5	0.0	0.0	66	0	0	1239	0	0	0	1239
285+50	28550	28	84.1	0.0	0.0	86	0	0	1325	0	0	0	1325
286+00	28600	50	87.2	0.0	0.0	159	0	0	1484	0	0	0	1484
286+50	28650	50	90.9	0.0	0.0	165	0	0	1649	0	0	0	1649
287+00	28700	50	94.6	0.0	0.0	172	0	0	1821	0	0	0	1821
287+50	28750	50	87.5	0.0	0.0	169	0	0	1989	0	0	0	1989
287+94	28794	44	64.2	2.5	0.0	124	2	0	2113	2	0	0	2110
288+00	28800	6	60.7	4.2	0.0	14	1	0	2127	3	0	0	2123
288+50	28850	50	61.5	5.3	0.0	113	9	0	2240	14	0	0	2226
289+00	28900	50	65.4	6.1	0.0	118	11	0	2357	27	0	0	2331
289+50	28950	50	63.4	7.7	0.0	119	13	0	2477	42	0	0	2435
290+00	29000	50	62.3	8.0	0.0	116	15	0	2593	59	0	0	2534
290+50	29050	50	59.6	0.6	0.0	113	8	0	2706	69	0	0	2637
291+00	29100	50	32.0	2.5	0.0	85	3	0	2791	72	0	0	2718
291+50	29150	50	25.2	2.8	0.0	53	5	0	2844	78	0	0	2765
291+98	29198	48	22.3	6.7	0.0	42	8	0	2886	88	0	0	2798
292+00	29200	2	22.0	7.0	0.0	2	1	0	2888	89	0	0	2799
292+12	29212	12	18.8	8.6	0.0	9	3	0	2897	93	0	0	2803
292+50	29250	38	13.8	8.7	0.0	23	12	0	2920	108	0	0	2812
293+00	29300	50	13.1	7.9	0.0	25	15	0	2944	126	0	0	2818
293+50	29350	50	14.2	5.2	0.0	25	12	0	2970	141	0	0	2829
294+00	29400	50	21.6	0.7	0.0	33	5	0	3003	147	0	0	2856
294+50	29450	50	24.8	0.0	0.0	43	1	0	3046	148	0	0	2898
295+00	29500	50	15.6	1.3	0.0	37	1	0	3083	150	0	0	2934
295+50	29550	50	13.9	5.3	0.0	27	6	0	3111	157	0	0	2954
295+98	29598	48	12.4	13.9	0.0	23	17	0	3134	177	0	0	2957
296+00	29600	2	12.6	13.4	0.0	1	1	0	3135	179	0	0	2956
296+50	29650	50	14.5	4.3	0.0	25	16	0	3160	198	0	0	2962
297+00	29700	50	16.4	0.2	0.0	29	4	0	3189	203	0	0	2985
297+50	29750	50	18.3	0.0	0.0	32	0	0	3221	203	0	0	3017
298+00	29800	50	25.3	0.0	0.0	40	0	0	3261	203	0	0	3058
298+50	29850	50	42.6	0.0	0.0	63	0	0	3324	203	0	0	3120
298+71	29871	21	58.6	0.0	0.0	39	0	0	3363	203	0	0	3160
					Column totals	3363	170	0					

9

9

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	EARTHWORK	SHEET:	E

FILE NAME : _____ PLOT DATE : _____ PLOT BY : _____ PLOT NAME : _____ ORG DATE : _____ ORIGINATOR : DIST _ PLOT SCALE : 1:1

DIVISION 3 - IH 94 TEMPORARY EASTBOUND WIDENING

STATION	Real Station	Distance	AREA (SF) Cut	AREA (SF) Fill	AREA (SF) EBS	Incremental Vol (CY) (Unadjusted) Cut Note 1	Incremental Vol (CY) (Unadjusted) Fill Note 2	Incremental Vol (CY) (Unadjusted) EBS	Cumulative Vol (CY) Cut 1.00 Note 1	Cumulative Vol (CY) Expanded Fill 1.20	Cumulative Vol (CY) Expanded EBS Backfill 1.30 Note 3	Cumulative Vol (CY) Reduced EBS In Fill 0.80 Note 4	Mass Ordinate Note 5
300+60	30060		30.1	0.1	0.0	0	0	0	0	0	0	0	0
301+00	30100	40	24.0	0.0	0.0	40	0	0	40	0	0	0	40
302+00	30200	100	14.4	11.3	0.0	71	21	0	111	25	0	0	86
303+00	30300	100	13.5	18.2	0.0	52	55	0	163	91	0	0	72
304+00	30400	100	14.5	26.0	0.0	52	82	0	215	189	0	0	26
305+00	30500	100	13.5	34.7	0.0	52	112	0	267	324	0	0	-57
306+00	30600	100	14.4	26.5	0.0	52	113	0	318	460	0	0	-142
307+00	30700	100	15.6	15.1	0.0	56	77	0	374	552	0	0	-179
308+00	30800	100	117.4	0.0	0.0	246	28	0	620	586	0	0	34
309+00	30900	100	17.0	21.5	0.0	249	40	0	869	634	0	0	235
310+00	31000	100	56.4	14.1	0.0	136	66	0	1005	713	0	0	292
311+00	31100	100	59.7	11.0	0.0	215	46	0	1220	769	0	0	451
312+00	31200	100	62.3	12.6	0.0	226	44	0	1446	821	0	0	625
313+00	31300	100	64.4	9.7	0.0	235	41	0	1680	871	0	0	810
314+00	31400	100	62.8	6.7	0.0	236	30	0	1916	907	0	0	1009
315+00	31500	100	54.7	10.3	0.0	218	31	0	2134	945	0	0	1189
316+00	31600	100	59.1	10.6	0.0	211	39	0	2344	991	0	0	1353
317+00	31700	100	60.8	8.6	0.0	222	36	0	2566	1034	0	0	1533
318+00	31800	100	56.1	7.0	0.0	216	29	0	2783	1069	0	0	1714
319+00	31900	100	45.5	13.3	0.0	188	38	0	2971	1114	0	0	1857
320+00	32000	100	19.0	19.1	0.0	119	60	0	3090	1186	0	0	1905
321+00	32100	100	33.1	21.8	0.0	96	76	0	3187	1277	0	0	1910
322+00	32200	100	13.3	22.1	0.0	86	81	0	3273	1374	0	0	1899
323+00	32300	100	19.2	19.0	0.0	60	76	0	3333	1465	0	0	1868
324+00	32400	100	16.2	21.7	0.0	66	75	0	3399	1556	0	0	1843
325+00	32500	100	15.6	30.0	0.0	59	96	0	3457	1671	0	0	1787
326+00	32600	100	14.2	32.7	0.0	55	116	0	3513	1810	0	0	1703
327+00	32700	100	14.9	29.5	0.0	54	115	0	3567	1948	0	0	1618
328+00	32800	100	13.8	27.4	0.0	53	105	0	3620	2075	0	0	1545
329+00	32900	100	15.0	25.3	0.0	53	98	0	3673	2192	0	0	1481
330+00	33000	100	15.3	20.0	0.0	56	84	0	3729	2293	0	0	1437
331+00	33100	100	14.9	23.0	0.0	56	80	0	3785	2388	0	0	1397
332+00	33200	100	15.0	23.4	0.0	55	86	0	3840	2491	0	0	1349
333+00	33300	100	12.5	27.5	0.0	51	94	0	3891	2604	0	0	1287
334+00	33400	100	15.9	31.0	0.0	53	108	0	3944	2734	0	0	1210
335+00	33500	100	14.2	28.3	0.0	56	110	0	4000	2866	0	0	1134
336+00	33600	100	12.1	28.3	0.0	49	105	0	4048	2992	0	0	1057
337+00	33700	100	11.5	31.8	0.0	44	111	0	4092	3125	0	0	967
338+00	33800	100	10.5	31.2	0.0	41	117	0	4133	3265	0	0	867
339+00	33900	100	12.1	28.5	0.0	42	111	0	4175	3398	0	0	777
340+00	34000	100	10.6	25.9	0.0	42	101	0	4217	3519	0	0	698
341+00	34100	100	11.9	22.7	0.0	42	90	0	4258	3627	0	0	631
342+00	34200	100	11.9	26.7	0.0	44	91	0	4302	3737	0	0	566
343+00	34300	100	12.4	25.4	0.0	45	96	0	4347	3853	0	0	495
344+00	34400	100	12.4	27.6	0.0	46	98	0	4393	3970	0	0	423
345+00	34500	100	12.9	23.9	0.0	47	95	0	4440	4085	0	0	356
346+00	34600	100	16.1	16.9	0.0	54	76	0	4494	4175	0	0	319
347+00	34700	100	15.2	20.6	0.0	58	69	0	4552	4259	0	0	293
348+00	34800	100	25.1	11.1	0.0	75	59	0	4627	4329	0	0	297
349+00	34900	100	36.6	8.3	0.0	114	36	0	4741	4372	0	0	369
350+00	35000	100	13.9	1.5	0.0	94	18	0	4834	4394	0	0	440
351+00	35100	100	12.6	9.7	0.0	49	21	0	4883	4419	0	0	464
352+00	35200	100	12.4	10.1	0.0	46	37	0	4930	4463	0	0	467
353+00	35300	100	22.5	0.0	0.0	65	19	0	4994	4485	0	0	509
354+00	35400	100	18.3	1.1	0.0	76	2	0	5070	4488	0	0	582
355+00	35500	100	97.2	0.0	0.0	214	2	0	5284	4490	0	0	793
356+00	35600	100	23.0	0.8	0.0	223	1	0	5506	4492	0	0	1014
357+00	35700	100	18.8	2.3	0.0	77	6	0	5584	4499	0	0	1085
358+00	35800	100	25.4	1.8	0.0	82	8	0	5666	4508	0	0	1158
359+00	35900	100	21.6	5.9	0.0	87	14	0	5753	4525	0	0	1227
360+00	36000	100	26.4	5.7	0.0	89	21	0	5842	4551	0	0	1291
361+00	36100	100	26.8	5.0	0.0	99	20	0	5940	4575	0	0	1365
362+00	36200	100	32.0	1.8	0.0	109	13	0	6049	4590	0	0	1459
363+00	36300	100	32.2	4.8	0.0	119	12	0	6168	4605	0	0	1563
364+00	36400	100	23.2	5.0	0.0	103	18	0	6270	4626	0	0	1644
365+00	36500	100	26.3	3.9	0.0	92	16	0	6362	4646	0	0	1716
366+00	36600	100	26.7	5.3	0.0	98	17	0	6460	4667	0	0	1794
367+00	36700	100	20.6	8.7	0.0	88	26	0	6548	4698	0	0	1850
368+00	36800	100	14.3	9.9	0.0	65	34	0	6612	4739	0	0	1874
369+00	36900	100	12.7	16.4	0.0	50	49	0	6662	4797	0	0	1865
370+00	37000	100	14.0	20.2	0.0	49	68	0	6712	4879	0	0	1833
371+00	37100	100	17.5	16.2	0.0	58	67	0	6770	4960	0	0	1811
372+00	37200	100	15.2	18.4	0.0	61	64	0	6831	5037	0	0	1794
373+00	37300	100	16.9	12.2	0.0	59	57	0	6890	5105	0	0	1786
374+00	37400	100	15.2	23.2	0.0	59	66	0	6950	5183	0	0	1767
375+00	37500	100	14.1	32.4	0.0	54	103	0	7004	5307	0	0	1697
376+00	37600	100	13.5	34.3	0.0	51	124	0	7055	5455	0	0	1600
377+00	37700	100	13.0	39.3	0.0	49	136	0	7104	5619	0	0	1486
378+00	37800	100	12.4	43.3	0.0	47	153	0	7151	5802	0	0	1349
379+00	37900	100	11.4	55.4	0.0	44	183	0	7195	6021	0	0	1174
380+00	38000	100	12.3	54.5	0.0	44	204	0	7239	6266	0	0	974
			Column totals			CONTINUED ON NEXT SHEET							

DIVISION 3 - IH 94 TEMPORARY EASTBOUND WIDENING

STATION	Real Station	Distance	AREA (SF) Cut	AREA (SF) Fill	AREA (SF) EBS	Incremental Vol (CY) (Unadjusted) Cut Note 1	Incremental Vol (CY) (Unadjusted) Fill Note 2	Incremental Vol (CY) (Unadjusted) EBS	Cumulative Vol (CY) Cut 1.00 Note 1	Expanded Fill 1.20	Expanded EBS Backfill 1.30 Note 3	Reduced EBS In Fill 0.80 Note 4	Mass Ordinate Note 5
380+00	38000	0	12.3	54.5	0.0	44	204	0	7239	6266	0	0	974
381+00	38100	100	11.7	65.7	0.0	44	223	0	7284	6533	0	0	751
382+00	38200	100	11.6	63.8	0.0	43	240	0	7327	6821	0	0	506
383+00	38300	100	12.7	63.6	0.0	45	236	0	7372	7104	0	0	268
384+00	38400	100	13.8	63.0	0.0	49	234	0	7421	7385	0	0	36
385+00	38500	100	11.2	66.7	0.0	46	240	0	7467	7673	0	0	-206
386+00	38600	100	11.9	66.0	0.0	43	246	0	7510	7968	0	0	-458
387+00	38700	100	12.6	62.0	0.0	45	237	0	7555	8253	0	0	-697
388+00	38800	100	14.4	54.0	0.0	50	215	0	7605	8510	0	0	-905
389+00	38900	100	14.5	45.0	0.0	54	183	0	7659	8730	0	0	-1072
390+00	39000	100	13.1	48.8	0.0	51	174	0	7710	8939	0	0	-1229
391+00	39100	100	16.7	50.1	0.0	55	183	0	7765	9159	0	0	-1393
392+00	39200	100	16.9	53.0	0.0	62	191	0	7827	9388	0	0	-1560
393+00	39300	100	15.7	53.9	0.0	60	198	0	7888	9625	0	0	-1738
394+00	39400	100	16.0	54.3	0.0	59	200	0	7946	9866	0	0	-1919
395+00	39500	100	14.7	37.2	0.0	57	169	0	8003	10069	0	0	-2066
396+00	39600	100	14.7	41.9	0.0	54	146	0	8058	10245	0	0	-2187
397+00	39700	100	17.1	37.1	0.0	59	146	0	8117	10420	0	0	-2304
398+00	39800	100	23.6	21.7	0.0	75	109	0	8192	10551	0	0	-2359
399+00	39900	100	26.8	24.3	0.0	93	85	0	8285	10653	0	0	-2368
400+00	40000	100	28.4	18.2	0.0	102	79	0	8387	10748	0	0	-2360
401+00	40100	100	74.1	0.0	0.0	190	34	0	8577	10788	0	0	-2211
402+00	40200	100	55.9	0.0	0.0	241	0	0	8818	10788	0	0	-1970
403+00	40300	100	32.5	7.6	0.0	164	14	0	8982	10805	0	0	-1823
404+00	40400	100	29.7	3.6	0.0	115	21	0	9097	10830	0	0	-1733
405+00	40500	100	26.3	0.0	0.0	104	7	0	9201	10838	0	0	-1637
406+00	40600	100	15.0	3.1	0.0	76	6	0	9277	10845	0	0	-1568
407+00	40700	100	12.1	1.0	0.0	50	8	0	9327	10854	0	0	-1527
408+00	40800	100	4.4	1731.9	0.0	31	3209	0	9358	14705	0	0	-5347
409+00	40900	100	13.5	8.2	0.0	33	3222	0	9391	18572	0	0	-9181
410+00	41000	100	14.2	6.2	0.0	51	27	0	9442	18604	0	0	-9161
411+00	41100	100	14.7	24.7	0.0	54	57	0	9496	18672	0	0	-9176
412+00	41200	100	14.9	25.4	0.0	55	93	0	9551	18784	0	0	-9233
413+00	41300	100	18.1	17.2	0.0	61	79	0	9612	18878	0	0	-9267
414+00	41400	100	24.8	3.5	0.0	79	38	0	9691	18924	0	0	-9233
415+00	41500	100	41.4	2.8	0.0	123	12	0	9814	18938	0	0	-9125
416+00	41600	100	146.6	0.2	0.0	348	6	0	10162	18945	0	0	-8783
417+00	41700	100	234.9	3.4	0.0	706	7	0	10868	18953	0	0	-8085
418+00	41800	100	334.8	3.6	0.0	1055	13	0	11923	18969	0	0	-7045
419+00	41900	100	309.0	5.3	0.0	1192	16	0	13116	18988	0	0	-5873
420+00	42000	100	223.4	7.3	0.0	986	23	0	14102	19016	0	0	-4915
421+00	42100	100	160.1	8.1	0.0	710	29	0	14812	19051	0	0	-4239
422+00	42200	100	135.1	6.8	0.0	547	28	0	15358	19084	0	0	-3725
423+00	42300	100	122.8	8.8	0.0	478	29	0	15836	19118	0	0	-3282
424+00	42400	100	92.9	9.9	0.0	399	35	0	16235	19160	0	0	-2924
425+00	42500	100	104.2	4.5	0.0	365	27	0	16600	19192	0	0	-2591
426+00	42600	100	102.0	4.3	0.0	382	16	0	16982	19211	0	0	-2229
427+00	42700	100	80.5	9.7	0.0	338	26	0	17320	19243	0	0	-1922
428+00	42800	100	100.1	6.4	0.0	334	30	0	17655	19278	0	0	-1624
429+00	42900	100	75.1	5.3	0.0	324	22	0	17979	19304	0	0	-1325
430+00	43000	100	40.3	8.4	0.0	214	25	0	18193	19335	0	0	-1142
431+00	43100	100	51.3	6.0	0.0	170	27	0	18362	19367	0	0	-1004
432+00	43200	100	33.9	9.4	0.0	158	29	0	18520	19401	0	0	-881
433+00	43300	100	21.0	12.9	0.0	102	41	0	18622	19451	0	0	-829
434+00	43400	100	71.1	0.0	0.0	171	24	0	18792	19479	0	0	-687
435+00	43500	100	13.2	70.6	0.0	156	131	0	18949	19636	0	0	-687
436+00	43600	100	11.9	112.2	0.0	46	339	0	18995	20042	0	0	-1047
437+00	43700	100	14.4	99.1	0.0	49	391	0	19044	20512	0	0	-1468
438+00	43800	100	13.6	91.7	0.0	52	353	0	19096	20936	0	0	-1840
439+00	43900	100	12.8	79.9	0.0	49	318	0	19145	21317	0	0	-2173
440+00	44000	100	14.9	60.2	0.0	51	259	0	19196	21629	0	0	-2433
441+00	44100	100	15.5	40.0	0.0	56	186	0	19252	21851	0	0	-2599
442+00	44200	100	16.2	43.4	0.0	59	154	0	19311	22037	0	0	-2726
443+00	44300	100	21.6	48.7	0.0	70	171	0	19381	22241	0	0	-2860
444+00	44400	100	22.2	27.2	0.0	81	141	0	19462	22410	0	0	-2948
445+00	44500	100	22.0	25.5	0.0	82	98	0	19544	22527	0	0	-2983
446+00	44600	100	20.3	37.2	0.0	78	116	0	19622	22666	0	0	-3044
447+00	44700	100	21.9	31.9	0.0	78	128	0	19700	22820	0	0	-3120
448+00	44800	100	21.6	20.7	0.0	81	97	0	19781	22937	0	0	-3156
449+00	44900	100	25.5	22.7	0.0	87	80	0	19868	23033	0	0	-3165
450+00	45000	100	30.5	20.4	0.0	104	80	0	19972	23129	0	0	-3157
451+00	45100	100	31.5	5.7	0.0	115	48	0	20087	23187	0	0	-3100
452+00	45200	100	39.8	2.5	0.0	132	15	0	20219	23205	0	0	-2987
453+00	45300	100	29.5	23.2	0.0	128	48	0	20347	23262	0	0	-2915
454+00	45400	100	20.6	32.2	0.0	93	103	0	20440	23385	0	0	-2946
455+00	45500	100	21.3	19.0	0.0	78	95	0	20517	23499	0	0	-2982
456+00	45600	100	33.1	0.0	0.0	101	35	0	20618	23541	0	0	-2923
457+00	45700	100	25.5	1.9	0.0	109	4	0	20727	23546	0	0	-2819
458+00	45800	100	26.7	4.2	0.0	97	11	0	20823	23559	0	0	-2736
459+00	45900	100	22.3	1.3	0.0	91	10	0	20914	23571	0	0	-2657
460+00	46000	100	22.6	1.8	0.0	83	6	0	20997	23578	0	0	-2581
461+00	46100	100	20.9	2.6	0.0	81	8	0	21078	23588	0	0	-2510
462+00	46200	100	30.2	0.9	0.0	95	6	0	21172	23596	0	0	-2424
463+00	46300	100	30.2	2.7	0.0	112	7	0	21284	23604	0	0	-2320
464+00	46400	100	31.2	3.4	0.0	114	11	0	21398	23617	0	0	-2220
465+00	46500	100	31.1	7.5	0.0	115	20	0	21513	23642	0	0	-2128
466+00	46600	100	31.2	7.9	0.0	115	29	0	21629	23676	0	0	-2047
467+00	46700	100	29.8	1.4	0.0	113	17	0	21742	23697	0	0	-1955
468+00	46800	100	98.4	0.0	0.0	237	3	0	21979	23700	0	0	-1721
469+00	46900	100	76.6	0.0	0.0	324	0	0	22303	23700	0	0	-1397
469+80	46980	80	71.4	0.0	0.0	219	0	0	22522	23700	0	0	-1177
					Column totals	22522	19750	0					

DIVISION 3 - TEMPORARY CROSSOVER EAST OF STH 93

STATION	Real Station	Distance	AREA (SF) Cut	AREA (SF) Fill	AREA (SF) EBS	Incremental Vol (CY) (Unadjusted) Cut Note 1	Incremental Vol (CY) (Unadjusted) Fill Note 2	Incremental Vol (CY) (Unadjusted) EBS	Cumulative Vol (CY) Cut 1.00 Note 1	Expanded Fill 1.20	Expanded EBS Backfill 1.30 Note 3	Reduced EBS In Fill 0.80 Note 4	Mass Ordinate Note 5
471+27	47127		63.9	0.0	0.0	0	0	0	0	0	0	0	0
471+30	47130	3	55.6	0.0	0.0	7	0	0	7	0	0	0	7
471+50	47150	20	22.6	5.3	0.0	29	2	0	36	2	0	0	33
472+00	47200	50	24.5	8.0	0.0	44	12	0	79	17	0	0	62
472+50	47250	50	26.8	7.9	0.0	48	15	0	127	35	0	0	92
473+00	47300	50	26.5	6.0	0.0	49	13	0	176	50	0	0	126
473+50	47350	50	38.5	4.6	0.0	60	10	0	236	62	0	0	174
474+00	47400	50	45.7	0.0	0.0	78	4	0	314	67	0	0	247
474+50	47450	50	50.8	6.0	0.0	89	6	0	404	74	0	0	330
475+00	47500	50	57.3	3.7	0.0	100	9	0	504	85	0	0	419
475+50	47550	50	59.4	2.1	0.0	108	5	0	612	91	0	0	521
476+00	47600	50	64.1	0.5	0.0	114	2	0	726	94	0	0	632
476+50	47650	50	68.2	1.2	0.0	123	2	0	849	96	0	0	753
477+00	47700	50	74.7	0.2	0.0	132	1	0	981	97	0	0	884
477+50	47750	50	71.3	1.1	0.0	135	1	0	1116	99	0	0	1017
478+00	47800	50	69.8	0.4	0.0	131	1	0	1247	100	0	0	1146
478+50	47850	50	75.9	0.0	0.0	135	0	0	1382	101	0	0	1281
479+00	47900	50	22.2	15.3	0.0	91	14	0	1472	118	0	0	1355
479+50	47950	50	21.7	14.1	0.0	41	27	0	1513	151	0	0	1363
480+00	48000	50	21.3	9.5	0.0	40	22	0	1553	177	0	0	1376
480+50	48050	50	20.8	7.9	0.0	39	16	0	1592	196	0	0	1396
481+00	48100	50	22.4	7.2	0.0	40	14	0	1632	213	0	0	1419
481+50	48150	50	19.1	8.3	0.0	38	14	0	1670	230	0	0	1440
482+00	48200	50	19.2	6.4	0.0	35	14	0	1706	246	0	0	1459
482+50	48250	50	20.2	6.3	0.0	36	12	0	1742	261	0	0	1482
483+00	48300	50	18.4	4.8	0.0	36	10	0	1778	273	0	0	1505
483+49	48349	49	22.8	0.1	0.0	37	4	0	1815	278	0	0	1537
483+50	48350	1	22.9	0.1	0.0	1	0	0	1816	278	0	0	1538
483+57	48357	7	25.3	0.0	0.0	6	0	0	1822	278	0	0	1544
484+00	48400	43	38.0	0.0	0.0	50	0	0	1873	278	0	0	1595
484+50	48450	50	34.7	0.0	0.0	67	0	0	1940	278	0	0	1662
485+00	48500	50	27.7	0.0	0.0	58	0	0	1998	278	0	0	1720
485+50	48550	50	28.1	0.0	0.0	52	0	0	2050	278	0	0	1771
486+00	48600	50	34.5	0.0	0.0	58	0	0	2108	278	0	0	1829
486+50	48650	50	33.2	0.0	0.0	63	0	0	2170	278	0	0	1892
487+00	48700	50	33.4	0.0	0.0	62	0	0	2232	278	0	0	1954
487+44	48744	44	66.9	0.0	0.0	82	0	0	2314	278	0	0	2035
				Column totals		2314	232	0					

9

9

DIVISION 3 - TEMPORARY CROSSOVER EAST OF CTH F (REMOVAL)

STATION	Real Station	Distance	AREA (SF) Cut	AREA (SF) Fill	AREA (SF) EBS	Incremental Vol (CY) (Unadjusted) Cut Note 1	Incremental Vol (CY) (Unadjusted) Fill Note 2	Incremental Vol (CY) (Unadjusted) EBS	Cumulative Vol (CY) Cut 1.00 Note 1	Expanded Fill 1.20	Expanded EBS Backfill 1.30 Note 3	Reduced EBS In Fill 0.80 Note 4	Mass Ordinate Note 5
375+35	37535		0.0	0.0	0.0	0	0	0	0	0	0	0	0
375+50	37550	15	0.0	0.0	0.0	0	0	0	0	0	0	0	0
376+00	37600	50	0.0	0.0	0.0	0	0	0	0	0	0	0	0
376+50	37650	50	0.0	0.0	0.0	0	0	0	0	0	0	0	0
377+00	37700	50	0.0	0.0	0.0	0	0	0	0	0	0	0	0
377+50	37750	50	0.0	0.0	0.0	0	0	0	0	0	0	0	0
378+00	37800	50	0.0	0.0	0.0	0	0	0	0	0	0	0	0
378+50	37850	50	0.0	0.0	0.0	0	0	0	0	0	0	0	0
379+00	37900	50	1.1	0.0	0.0	1	0	0	1	0	0	0	1
379+50	37950	50	3.2	0.0	0.0	4	0	0	5	0	0	0	5
380+00	38000	50	3.8	0.0	0.0	6	0	0	11	0	0	0	11
380+50	38050	50	8.3	0.0	0.0	11	0	0	23	0	0	0	23
381+00	38100	50	15.9	0.0	0.0	22	0	0	45	0	0	0	45
381+50	38150	50	20.5	0.0	0.0	34	0	0	79	0	0	0	79
381+77	38177	27	26.0	0.0	0.0	23	0	0	102	0	0	0	102
382+00	38200	23	27.7	0.0	0.0	23	0	0	125	0	0	0	125
382+50	38250	50	36.1	0.0	0.0	59	0	0	184	0	0	0	184
383+00	38300	50	38.0	0.0	0.0	69	0	0	253	0	0	0	253
383+50	38350	50	39.7	0.0	0.0	72	0	0	325	0	0	0	325
384+00	38400	50	43.3	0.0	0.0	77	0	0	401	0	0	0	401
384+20	38420	20	36.2	0.0	0.0	29	0	0	431	0	0	0	431
384+50	38450	30	20.4	0.0	0.0	31	0	0	462	0	0	0	462
385+00	38500	50	38.6	0.0	0.0	55	0	0	517	0	0	0	517
385+50	38550	50	35.3	0.0	0.0	68	0	0	585	0	0	0	585
386+00	38600	50	27.1	0.0	0.0	58	0	0	643	0	0	0	643
386+23	38623	23	22.6	0.0	0.0	21	0	0	664	0	0	0	664
386+50	38650	27	17.6	0.0	0.0	20	0	0	684	0	0	0	684
386+89	38689	39	9.6	0.0	0.0	20	0	0	704	0	0	0	704
387+00	38700	11	7.7	0.0	0.0	4	0	0	708	0	0	0	708
387+50	38750	50	3.3	0.0	0.0	10	0	0	718	0	0	0	718
387+76	38776	26	1.2	0.0	0.0	2	0	0	720	0	0	0	720
388+00	38800	24	0.3	0.0	0.0	1	0	0	721	0	0	0	721
388+50	38850	50	0.0	0.0	0.0	0	0	0	721	0	0	0	721
389+00	38900	50	0.0	0.0	0.0	0	0	0	721	0	0	0	721
389+50	38950	50	0.0	0.0	0.0	0	0	0	721	0	0	0	721
389+79	38979	29	0.0	0.0	0.0	0	0	0	721	0	0	0	721
			Column totals			721	0	0					

DIVISION 3 - TEMPORARY CROSSOVER WEST OF STH 93 (REMOVAL)

STATION	Real Station	Distance	AREA (SF) Cut	AREA (SF) Fill	AREA (SF) EBS	Incremental Vol (CY) (Unadjusted) Cut Note 1	Incremental Vol (CY) (Unadjusted) Fill Note 2	Incremental Vol (CY) (Unadjusted) EBS	Cumulative Vol (CY) Cut 1.00 Note 1	Cumulative Vol (CY) Expanded Fill 1.20	Cumulative Vol (CY) Expanded EBS Backfill 1.30 Note 3	Cumulative Vol (CY) Reduced EBS In Fill 0.80 Note 4	Mass Ordinate Note 5
75+50	7550		63.6	0.0	0.0	0	0	0	0	0	0	0	0
76+00	7600	50	55.1	0.0	0.0	110	0	0	110	0	0	0	110
76+50	7650	50	43.0	0.0	0.0	91	0	0	201	0	0	0	201
77+00	7700	50	36.2	0.0	0.0	73	0	0	274	0	0	0	274
77+50	7750	50	30.0	0.0	0.0	61	0	0	335	0	0	0	335
78+00	7800	50	0.0	0.0	0.0	28	0	0	363	0	0	0	363
78+03	7803	3	0.2	0.0	0.0	0	0	0	363	0	0	0	363
78+50	7850	47	18.4	0.0	0.0	16	0	0	379	0	0	0	379
79+00	7900	50	16.4	0.0	0.0	32	0	0	412	0	0	0	412
79+50	7950	50	22.2	0.0	0.0	36	0	0	447	0	0	0	447
80+00	8000	50	29.9	0.0	0.0	48	0	0	496	0	0	0	496
80+50	8050	50	31.7	0.0	0.0	57	0	0	553	0	0	0	553
81+00	8100	50	33.3	0.0	0.0	60	0	0	613	0	0	0	613
81+50	8150	50	45.5	0.0	0.0	73	0	0	686	0	0	0	686
82+00	8200	50	51.7	0.0	0.0	90	0	0	776	0	0	0	776
82+50	8250	50	49.6	0.0	0.0	94	0	0	870	0	0	0	870
83+00	8300	50	77.3	0.0	0.0	118	0	0	987	0	0	0	987
83+50	8350	50	82.2	0.0	0.0	148	0	0	1135	0	0	0	1135
84+00	8400	50	65.5	0.0	0.0	137	0	0	1271	0	0	0	1271
84+50	8450	50	60.8	0.0	0.0	117	0	0	1388	0	0	0	1388
85+00	8500	50	55.6	0.0	0.0	108	0	0	1496	0	0	0	1496
85+50	8550	50	52.7	0.0	0.0	100	0	0	1596	0	0	0	1596
86+00	8600	50	46.9	0.0	0.0	92	0	0	1689	0	0	0	1689
86+34	8634	34	44.8	0.0	0.0	58	0	0	1746	0	0	0	1746
86+50	8650	16	44.0	0.0	0.0	26	0	0	1773	0	0	0	1773
87+00	8700	50	37.6	0.0	0.0	76	0	0	1848	0	0	0	1848
87+50	8750	50	32.6	0.0	0.0	65	0	0	1913	0	0	0	1913
88+00	8800	50	24.8	0.0	0.0	53	0	0	1966	0	0	0	1966
88+50	8850	50	16.4	0.0	0.0	38	0	0	2005	0	0	0	2005
89+00	8900	50	6.0	0.0	0.0	21	0	0	2025	0	0	0	2025
89+50	8950	50	0.7	0.0	0.0	6	0	0	2032	0	0	0	2032
90+00	9000	50	0.0	0.0	0.0	1	0	0	2032	0	0	0	2032
90+50	9050	50	0.0	0.0	0.0	0	0	0	2032	0	0	0	2032
		Column totals				2032	0	0					

DIVISION 3 - TEMPORARY CROSSOVER RAMP 'F' (REMOVAL)

STATION	Real Station	Distance	AREA (SF) Cut	AREA (SF) Fill	AREA (SF) EBS	Incremental Vol (CY) (Unadjusted) Cut Note 1	Incremental Vol (CY) (Unadjusted) Fill Note 2	Incremental Vol (CY) (Unadjusted) EBS	Cumulative Vol (CY) Cut 1.00 Note 1	Expanded Fill 1.20	Expanded EBS Backfill 1.30 Note 3	Reduced EBS In Fill 0.80 Note 4	Mass Ordinate Note 5
50+50	5050		1.0	0.0	0.0	0	0	0	0	0	0	0	0
51+00	5100	50	0.1	0.0	0.0	1	0	0	1	0	0	0	1
51+50	5150	50	0.0	0.0	0.0	0	0	0	1	0	0	0	1
52+00	5200	50	0.0	0.0	0.0	0	0	0	1	0	0	0	1
52+50	5250	50	0.1	0.0	0.0	0	0	0	1	0	0	0	1
53+00	5300	50	20.7	0.0	0.0	19	0	0	20	0	0	0	20
53+50	5350	50	43.8	0.0	0.0	60	0	0	80	0	0	0	80
54+00	5400	50	52.3	0.0	0.0	89	0	0	169	0	0	0	169
54+50	5450	50	73.0	0.0	0.0	116	0	0	285	0	0	0	285
55+00	5500	50	63.6	0.0	0.0	126	0	0	412	0	0	0	412
55+50	5550	50	41.6	0.0	0.0	97	0	0	509	0	0	0	509
55+75	5575	25	34.5	0.0	0.0	35	0	0	544	0	0	0	544
56+00	5600	25	30.3	0.0	0.0	30	0	0	574	0	0	0	574
56+50	5650	50	23.1	0.0	0.0	49	0	0	624	0	0	0	624
57+00	5700	50	21.0	0.0	0.0	41	0	0	665	0	0	0	665
57+50	5750	50	16.5	0.0	0.0	35	0	0	699	0	0	0	699
58+00	5800	50	21.2	0.0	0.0	35	0	0	734	0	0	0	734
58+50	5850	50	18.5	0.0	0.0	37	0	0	771	0	0	0	771
59+00	5900	50	9.2	0.0	0.0	26	0	0	797	0	0	0	797
59+50	5950	50	2.0	0.0	0.0	10	0	0	807	0	0	0	807
60+00	6000	50	0.2	0.0	0.0	2	0	0	809	0	0	0	809
60+50	6050	50	0.0	0.0	0.0	0	0	0	809	0	0	0	809
60+75	6075	25	0.0	0.0	0.0	0	0	0	809	0	0	0	809
				Column totals		809	0	0					

DIVISION 3 - TEMPORARY CROSSOVER RAMP 'H' (REMOVAL)

STATION	Real Station	Distance	AREA (SF) Cut	AREA (SF) Fill	AREA (SF) EBS	Incremental Vol (CY) (Unadjusted) Cut Note 1	Incremental Vol (CY) (Unadjusted) Fill Note 2	Incremental Vol (CY) (Unadjusted) EBS	Cumulative Vol (CY) Cut 1.00 Note 1	Expanded Fill 1.20	Expanded EBS Backfill 1.30 Note 3	Reduced EBS In Fill 0.80 Note 4	Mass Ordinate Note 5
120+25	12025		0.0	0.0	0.0	0	0	0	0	0	0	0	0
120+50	12050	25	0.0	0.0	0.0	0	0	0	0	0	0	0	0
121+00	12100	50	0.5	0.0	0.0	0	0	0	0	0	0	0	0
121+50	12150	50	4.0	0.0	0.0	4	0	0	5	0	0	0	5
122+00	12200	50	5.4	0.0	0.0	9	0	0	13	0	0	0	13
122+50	12250	50	4.1	0.0	0.0	9	0	0	22	0	0	0	22
123+00	12300	50	4.5	0.0	0.0	8	0	0	30	0	0	0	30
123+50	12350	50	5.8	0.0	0.0	10	0	0	40	0	0	0	40
124+00	12400	50	9.1	0.0	0.0	14	0	0	53	0	0	0	53
124+50	12450	50	4.6	0.0	0.0	13	0	0	66	0	0	0	66
125+00	12500	50	7.9	0.0	0.0	12	0	0	78	0	0	0	78
125+50	12550	50	36.3	0.0	0.0	41	0	0	119	0	0	0	119
126+00	12600	50	53.6	0.0	0.0	83	0	0	202	0	0	0	202
126+50	12650	50	96.5	0.0	0.0	139	0	0	341	0	0	0	341
127+00	12700	50	137.9	0.0	0.0	217	0	0	558	0	0	0	558
127+50	12750	50	175.9	0.0	0.0	291	0	0	848	0	0	0	848
128+00	12800	50	118.9	0.0	0.0	273	0	0	1121	0	0	0	1121
128+50	12850	50	86.7	0.0	0.0	190	0	0	1312	0	0	0	1312
129+00	12900	50	52.7	0.0	0.0	129	0	0	1441	0	0	0	1441
129+50	12950	50	22.0	0.0	0.0	69	0	0	1510	0	0	0	1510
130+00	13000	50	0.0	0.0	0.0	20	0	0	1530	0	0	0	1530
130+50	13050	50	0.2	0.0	0.0	0	0	0	1531	0	0	0	1531
131+00	13100	50	0.0	0.0	0.0	0	0	0	1531	0	0	0	1531
131+50	13150	50	0.0	0.0	0.0	0	0	0	1531	0	0	0	1531
132+00	13200	50	0.4	0.0	0.0	0	0	0	1531	0	0	0	1531
132+25	13225	25	2.5	0.0	0.0	1	0	0	1532	0	0	0	1532
				Column totals		1532	0	0					

DIVISION 4 - IH 94 WESTBOUND

STATION	Real Station	Distance	AREA (SF) Cut	AREA (SF) Fill	AREA (SF) EBS	Incremental Vol (CY) (Unadjusted) Cut Note 1	Incremental Vol (CY) (Unadjusted) Fill Note 2	Incremental Vol (CY) (Unadjusted) EBS	Cumulative Vol (CY) Cut 1.00 Note 1	Cumulative Vol (CY) Expanded Fill 1.20	Cumulative Vol (CY) Expanded EBS Backfill 1.30 Note 3	Cumulative Vol (CY) Reduced EBS In Fill 0.80 Note 4	Mass Ordinate Note 5
307+00	30700		67.9	0.5	42.0	0	0	0	0	0	0	0	0
308+00	30800	100	84.4	0.0	42.0	282	1	156	282	-148	202	124	430
309+00	30900	100	85.5	0.0	42.0	315	0	156	597	-298	404	249	894
310+00	31000	100	91.2	0.9	42.0	327	2	156	924	-445	607	373	1369
311+00	31100	100	93.5	0.3	0.0	342	2	78	1266	-517	708	436	1783
312+00	31200	100	107.2	0.2	0.0	372	1	0	1638	-516	708	436	2153
313+00	31300	100	105.2	0.3	0.0	393	1	0	2031	-515	708	436	2546
314+00	31400	100	115.8	0.0	0.0	409	1	0	2440	-514	708	436	2954
315+00	31500	100	123.3	0.0	0.0	443	0	0	2883	-514	708	436	3397
316+00	31600	100	137.2	0.0	0.0	482	0	0	3365	-514	708	436	3879
317+00	31700	100	139.1	0.0	0.0	512	0	0	3877	-514	708	436	4391
318+00	31800	100	148.8	0.0	0.0	533	0	0	4410	-514	708	436	4924
319+00	31900	100	154.6	0.0	0.0	562	0	0	4972	-514	708	436	5486
320+00	32000	100	150.3	0.0	0.0	565	0	0	5537	-514	708	436	6051
321+00	32100	100	158.3	0.0	0.0	571	0	0	6108	-514	708	436	6622
322+00	32200	100	153.9	0.0	0.0	578	0	0	6686	-514	708	436	7200
323+00	32300	100	160.0	0.0	0.0	581	0	0	7268	-514	708	436	7782
324+00	32400	100	163.4	0.0	0.0	599	0	0	7866	-514	708	436	8380
325+00	32500	100	166.4	0.0	0.0	611	0	0	8477	-514	708	436	8991
326+00	32600	100	177.9	0.0	0.0	638	0	0	9115	-514	708	436	9629
327+00	32700	100	184.6	0.0	0.0	671	0	0	9786	-514	708	436	10300
328+00	32800	100	187.4	0.0	0.0	689	0	0	10475	-514	708	436	10989
329+00	32900	100	187.9	0.0	0.0	695	0	0	11170	-514	708	436	11684
330+00	33000	100	186.5	0.0	0.0	693	0	0	11863	-514	708	436	12377
331+00	33100	100	185.0	0.0	0.0	688	0	0	12551	-514	708	436	13065
332+00	33200	100	175.9	0.0	0.0	668	0	0	13220	-514	708	436	13734
333+00	33300	100	180.4	0.0	0.0	660	0	0	13879	-514	708	436	14393
334+00	33400	100	167.9	0.0	0.0	645	0	0	14524	-514	708	436	15038
335+00	33500	100	166.2	0.0	0.0	619	0	0	15143	-514	708	436	15657
336+00	33600	100	175.5	0.0	0.0	633	0	0	15776	-514	708	436	16290
337+00	33700	100	165.4	0.0	0.0	631	0	0	16407	-514	708	436	16921
338+00	33800	100	164.4	0.0	0.0	611	0	0	17018	-514	708	436	17532
339+00	33900	100	154.4	1.3	0.0	590	2	0	17608	-511	708	436	18119
340+00	34000	100	144.5	2.1	0.0	554	6	0	18162	-504	708	436	18665
341+00	34100	100	138.6	0.8	0.0	524	5	0	18686	-497	708	436	19183
342+00	34200	100	131.9	0.0	0.0	501	1	0	19187	-495	708	436	19682
343+00	34300	100	129.5	0.0	0.0	484	0	0	19671	-495	708	436	20166
344+00	34400	100	127.8	0.0	0.0	476	0	0	20148	-495	708	436	20643
345+00	34500	100	112.2	0.9	0.0	444	2	0	20592	-493	708	436	21085
346+00	34600	100	101.8	1.8	0.0	396	5	0	20988	-487	708	436	21476
347+00	34700	100	111.7	7.1	0.0	395	16	0	21384	-468	708	436	21851
348+00	34800	100	102.2	0.0	0.0	396	13	0	21780	-452	708	436	22232
349+00	34900	100	100.0	0.0	0.0	374	0	0	22154	-452	708	436	22606
350+00	35000	100	96.9	0.0	0.0	365	0	0	22519	-452	708	436	22971
351+00	35100	100	81.3	0.0	0.0	330	0	0	22849	-452	708	436	23301
352+00	35200	100	76.6	1.0	0.0	292	2	0	23141	-450	708	436	23591
353+00	35300	100	75.6	0.0	42.0	282	2	78	23423	-522	809	498	23945
353+59	35380	80	69.8	1.3	42.0	215	2	124	23639	-639	971	597	24278
				Column totals		23639	65	747					

DIVISION 4 - IH 94 WESTBOUND CONTINUED

STATION	Real Station	Distance	AREA (SF) Cut	AREA (SF) Fill	AREA (SF) EBS	Incremental Vol (CY) (Unadjusted) Cut Note 1	Incremental Vol (CY) (Unadjusted) Fill Note 2	Incremental Vol (CY) (Unadjusted) EBS	Cumulative Vol (CY) Cut 1.00 Note 1	Cumulative Vol (CY) Expanded Fill 1.20	Cumulative Vol (CY) Expanded EBS Backfill 1.30 Note 3	Cumulative Vol (CY) Reduced EBS In Fill 0.80 Note 4	Mass Ordinate Note 5
355+03	35503		72.3	0.0	42.0	0	0	0	0	0	0	0	0
356+00	35600	97	87.5	0.0	42.0	287	0	151	287	-145	196	121	432
357+00	35700	100	93.4	0.0	42.0	335	0	156	622	-294	398	245	916
358+00	35800	100	122.3	0.0	0.0	399	0	78	1021	-369	499	307	1390
359+00	35900	100	120.8	0.0	0.0	450	0	0	1472	-369	499	307	1841
360+00	36000	100	127.3	0.0	0.0	459	0	0	1931	-369	499	307	2300
361+00	36100	100	120.2	0.0	0.0	458	0	0	2389	-369	499	307	2758
362+00	36200	100	106.8	0.0	0.0	420	0	0	2810	-369	499	307	3179
363+00	36300	100	104.1	0.0	0.0	391	0	0	3200	-369	499	307	3569
364+00	36400	100	101.8	0.0	0.0	381	0	0	3582	-369	499	307	3951
365+00	36500	100	91.6	0.0	0.0	358	0	0	3940	-369	499	307	4309
366+00	36600	100	86.2	0.0	0.0	329	0	0	4269	-369	499	307	4638
367+00	36700	100	88.9	0.0	0.0	324	0	0	4593	-369	499	307	4962
368+00	36800	100	82.9	0.0	0.0	318	0	0	4911	-369	499	307	5280
369+00	36900	100	82.7	0.0	0.0	307	0	0	5218	-369	499	307	5587
370+00	37000	100	80.6	0.0	0.0	302	0	0	5521	-369	499	307	5889
371+00	37100	100	82.1	0.0	0.0	301	0	0	5822	-369	499	307	6191
372+00	37200	100	88.9	0.0	0.0	317	0	0	6139	-369	499	307	6507
373+00	37300	100	94.2	0.0	0.0	339	0	0	6478	-369	499	307	6846
374+00	37400	100	93.8	0.0	0.0	348	0	0	6826	-369	499	307	7195
375+00	37500	100	110.9	0.0	0.0	379	0	0	7205	-369	499	307	7574
376+00	37600	100	124.7	0.0	0.0	436	0	0	7641	-369	499	307	8010
377+00	37700	100	119.4	0.0	0.0	452	0	0	8093	-369	499	307	8462
378+00	37800	100	113.0	0.0	0.0	430	0	0	8524	-369	499	307	8892
379+00	37900	100	106.9	0.0	0.0	407	0	0	8931	-369	499	307	9300
380+00	38000	100	114.1	0.0	0.0	409	0	0	9340	-369	499	307	9709
381+00	38100	100	104.4	0.0	0.0	405	0	0	9745	-369	499	307	10113
382+00	38200	100	102.5	0.0	0.0	383	0	0	10128	-369	499	307	10497
383+00	38300	100	102.0	5.4	0.0	379	10	0	10506	-357	499	307	10863
384+00	38400	100	100.6	2.3	0.0	375	14	0	10882	-340	499	307	11221
385+00	38500	100	105.9	0.0	0.0	382	4	0	11264	-335	499	307	11599
386+00	38600	100	108.7	0.0	0.0	397	0	0	11661	-335	499	307	11996
387+00	38700	100	107.8	0.0	0.0	401	0	0	12062	-335	499	307	12397
388+00	38800	100	110.8	0.0	0.0	405	0	0	12467	-335	499	307	12802
389+00	38900	100	116.0	0.0	0.0	420	0	0	12887	-335	499	307	13222
390+00	39000	100	108.5	0.0	0.0	416	0	0	13303	-335	499	307	13638
391+00	39100	100	112.2	0.0	0.0	409	0	0	13712	-335	499	307	14046
392+00	39200	100	105.6	0.0	0.0	403	0	0	14115	-335	499	307	14450
393+00	39300	100	112.4	0.0	0.0	404	0	0	14519	-335	499	307	14853
394+00	39400	100	109.2	0.0	0.0	410	0	0	14929	-335	499	307	15264
395+00	39500	100	119.5	11.3	0.0	424	21	0	15353	-310	499	307	15662
396+00	39600	100	127.4	6.0	0.0	457	32	0	15810	-271	499	307	16081
397+00	39700	100	221.2	0.0	0.0	646	11	0	16455	-258	499	307	16713
398+00	39800	100	156.7	0.0	0.0	700	0	0	17155	-258	499	307	17413
399+00	39900	100	169.0	0.0	0.0	603	0	0	17758	-258	499	307	18016
400+00	40000	100	172.8	0.0	0.0	633	0	0	18391	-258	499	307	18649
401+00	40100	100	143.5	0.0	0.0	586	0	0	18977	-258	499	307	19235
402+00	40200	100	167.6	0.0	0.0	576	0	0	19553	-258	499	307	19811
403+00	40300	100	141.3	0.0	0.0	572	0	0	20125	-258	499	307	20383
404+00	40400	100	98.2	1.8	0.0	444	3	0	20569	-254	499	307	20822
405+00	40500	100	63.4	47.7	42.0	299	92	78	20868	-218	601	370	21086
406+00	40600	100	28.4	377.4	42.0	170	787	156	21038	577	803	494	20461
406+60	40660	60	21.8	47.0	42.0	56	472	93	21094	1053	924	569	20041
					Column totals	21094	1446	711					

DIVISION 4 - IH 94 WESTBOUND CONTINUED

STATION	Real Station	Distance	AREA (SF) Cut	AREA (SF) Fill	AREA (SF) EBS	Incremental Vol (CY) (Unadjusted) Cut Note 1	Incremental Vol (CY) (Unadjusted) Fill Note 2	Incremental Vol (CY) (Unadjusted) EBS	Cumulative Vol (CY) Cut 1.00 Note 1	Cumulative Vol (CY) Expanded Fill 1.20	Cumulative Vol (CY) Expanded EBS Backfill 1.30 Note 3	Cumulative Vol (CY) Reduced EBS In Fill 0.80 Note 4	Mass Ordinate Note 5
408+31	40831		25.6	305.8	42.0	0	0	0	0	0	0	0	0
409+00	40900	69	42.6	288.3	42.0	87	759	107	87	808	140	86	-721
410+00	41000	100	64.1	81.6	42.0	198	685	156	285	1481	342	210	-1196
411+00	41100	100	84.8	13.0	42.0	276	175	156	560	1541	544	335	-981
412+00	41200	100	90.5	5.9	42.0	325	35	156	885	1434	746	459	-549
413+00	41300	100	106.8	0.9	0.0	365	13	78	1250	1375	847	521	-124
414+00	41400	100	107.5	0.0	0.0	397	2	0	1647	1377	847	521	271
415+00	41500	100	107.6	0.2	0.0	398	0	0	2046	1377	847	521	669
416+00	41600	100	116.4	0.0	0.0	415	0	0	2460	1377	847	521	1083
417+00	41700	100	116.6	0.2	0.0	431	0	0	2892	1378	847	521	1514
418+00	41800	100	130.8	0.0	0.0	458	0	0	3350	1378	847	521	1972
419+00	41900	100	138.4	0.0	0.0	499	0	0	3849	1378	847	521	2470
420+00	42000	100	152.1	0.0	0.0	538	0	0	4387	1378	847	521	3008
421+00	42100	100	142.2	0.0	0.0	545	0	0	4932	1378	847	521	3553
422+00	42200	100	142.7	0.0	0.0	528	0	0	5459	1378	847	521	4081
423+00	42300	100	166.4	0.0	0.0	572	0	0	6032	1378	847	521	4653
424+00	42400	100	145.7	0.0	0.0	578	0	0	6610	1378	847	521	5231
425+00	42500	100	144.8	0.0	0.0	538	0	0	7148	1378	847	521	5769
426+00	42600	100	141.3	0.0	0.0	530	0	0	7677	1378	847	521	6299
427+00	42700	100	147.8	0.0	0.0	535	0	0	8213	1378	847	521	6834
428+00	42800	100	152.1	0.0	0.0	555	0	0	8768	1378	847	521	7390
429+00	42900	100	152.5	0.0	0.0	564	0	0	9332	1378	847	521	7954
430+00	43000	100	149.2	0.0	0.0	559	0	0	9891	1378	847	521	8512
431+00	43100	100	155.5	0.0	0.0	564	0	0	10455	1378	847	521	9077
432+00	43200	100	153.3	0.0	0.0	572	0	0	11027	1378	847	521	9649
433+00	43300	100	151.7	0.0	0.0	565	0	0	11592	1378	847	521	10213
434+00	43400	100	171.7	0.0	0.0	599	0	0	12191	1378	847	521	10812
435+00	43500	100	123.8	0.0	0.0	547	0	0	12738	1378	847	521	11360
436+00	43600	100	108.2	0.0	0.0	430	0	0	13168	1378	847	521	11789
437+00	43700	100	105.5	0.0	0.0	396	0	0	13563	1378	847	521	12185
438+00	43800	100	105.6	0.0	0.0	391	0	0	13954	1378	847	521	12576
439+00	43900	100	101.8	0.0	0.0	384	0	0	14338	1378	847	521	12960
440+00	44000	100	97.7	0.1	0.0	369	0	0	14708	1379	847	521	13329
441+00	44100	100	95.3	0.2	0.0	357	1	0	15065	1379	847	521	13686
442+00	44200	100	102.1	0.9	0.0	366	2	0	15431	1382	847	521	14049
443+00	44300	100	107.9	3.1	0.0	389	7	0	15820	1391	847	521	14429
444+00	44400	100	106.7	12.5	0.0	397	29	0	16217	1425	847	521	14792
445+00	44500	100	106.2	30.7	0.0	394	80	0	16611	1521	847	521	15090
446+00	44600	100	100.9	44.0	0.0	384	138	0	16995	1687	847	521	15307
447+00	44700	100	100.2	53.5	0.0	372	181	0	17367	1904	847	521	15463
448+00	44800	100	99.1	49.8	0.0	369	191	0	17736	2133	847	521	15603
449+00	44900	100	100.9	32.8	0.0	370	153	0	18107	2317	847	521	15790
450+00	45000	100	108.4	8.2	0.0	388	76	0	18494	2408	847	521	16086
451+00	45100	100	108.2	2.3	0.0	401	19	0	18895	2431	847	521	16464
452+00	45200	100	113.8	0.0	0.0	411	4	0	19306	2437	847	521	16870
453+00	45300	100	100.6	0.3	0.0	397	1	0	19703	2437	847	521	17266
454+00	45400	100	98.2	15.0	0.0	368	28	0	20072	2471	847	521	17600
454+36	45436	36	123.1	0.1	0.0	148	10	0	20219	2483	847	521	17736
					Column totals	20219	2591	652					

DIVISION 4 - STH 37 NORTHBOUND

STATION	Real Station	Distance	AREA (SF) Cut	AREA (SF) Fill	AREA (SF) EBS	Incremental Vol (CY) (Unadjusted) Cut Note 1	Incremental Vol (CY) (Unadjusted) Fill Note 2	Incremental Vol (CY) (Unadjusted) EBS	Cumulative Vol (CY) Cut 1.00 Note 1	Cumulative Vol (CY) Expanded Fill 1.20	Cumulative Vol (CY) Expanded EBS Backfill 1.30 Note 3	Cumulative Vol (CY) Reduced EBS In Fill 0.80 Note 4	Mass Ordinate Note 5
08+05	805		45.0	314.0	0.0	0	0	0	0	0	0	0	0
08+50	850	45	58.3	14.1	0.0	86	273	0	86	328	0	0	-242
09+00	900	50	58.9	10.7	0.0	109	23	0	195	356	0	0	-161
09+50	950	50	65.4	2.7	0.0	115	12	0	310	371	0	0	-61
10+00	1000	50	62.1	0.0	0.0	118	3	0	428	374	0	0	54
10+50	1050	50	61.0	0.0	0.0	114	0	0	542	374	0	0	168
11+00	1100	50	65.2	0.0	0.0	117	0	0	659	374	0	0	285
11+50	1150	50	66.4	0.0	0.0	122	0	0	780	374	0	0	407
12+00	1200	50	84.0	0.0	0.0	139	0	0	920	374	0	0	546
12+50	1250	50	85.5	0.0	0.0	157	0	0	1077	374	0	0	703
13+00	1300	50	78.7	0.0	0.0	152	0	0	1229	374	0	0	855
13+50	1350	50	68.8	0.4	0.0	137	0	0	1365	374	0	0	991
14+00	1400	50	65.0	0.0	0.0	124	0	0	1489	374	0	0	1115
14+50	1450	50	62.6	0.0	0.0	118	0	0	1607	374	0	0	1233
15+00	1500	50	63.3	0.0	0.0	117	0	0	1724	374	0	0	1349
15+50	1550	50	65.4	0.0	0.0	119	0	0	1843	374	0	0	1469
16+00	1600	50	67.2	0.0	0.0	123	0	0	1966	374	0	0	1591
16+50	1650	50	67.5	0.0	0.0	125	0	0	2091	374	0	0	1716
17+00	1700	50	67.8	0.0	0.0	125	0	0	2216	374	0	0	1841
17+50	1750	50	65.9	0.0	0.0	124	0	0	2340	374	0	0	1965
18+00	1800	50	60.1	30.4	0.0	117	28	0	2456	408	0	0	2048
18+50	1850	50	59.9	23.9	0.0	111	50	0	2567	469	0	0	2099
19+00	1900	50	60.3	18.9	0.0	111	40	0	2679	516	0	0	2163
19+50	1950	50	57.7	14.5	0.0	109	31	0	2788	553	0	0	2235
20+00	2000	50	60.8	6.4	0.0	110	19	0	2898	576	0	0	2321
20+50	2050	50	79.4	0.0	0.0	130	6	0	3027	584	0	0	2444
21+00	2100	50	107.1	0.0	0.0	173	0	0	3200	584	0	0	2617
21+50	2150	50	110.9	0.0	0.0	202	0	0	3402	584	0	0	2818
22+00	2200	50	117.5	0.0	0.0	211	0	0	3613	584	0	0	3030
22+50	2250	50	130.2	0.0	0.0	229	0	0	3843	584	0	0	3259
23+00	2300	50	151.4	0.0	0.0	261	0	0	4104	584	0	0	3520
23+50	2350	50	138.7	0.0	0.0	269	0	0	4372	584	0	0	3789
25+00	2500	0	190.3	0.0	0.0	0	0	0	4372	584	0	0	3789
25+50	2550	50	182.6	0.0	0.0	345	0	0	4717	584	0	0	4134
26+00	2600	50	175.5	0.0	0.0	332	0	0	5049	584	0	0	4465
26+50	2650	50	135.0	0.0	0.0	288	0	0	5337	584	0	0	4753
27+00	2700	50	145.2	0.0	0.0	259	0	0	5596	584	0	0	5012
27+50	2750	50	150.2	0.0	0.0	274	0	0	5870	584	0	0	5286
28+00	2800	50	150.6	0.0	0.0	279	0	0	6148	584	0	0	5564
28+50	2850	50	159.9	0.0	0.0	288	0	0	6436	584	0	0	5852
29+00	2900	50	139.4	0.0	0.0	277	0	0	6713	584	0	0	6129
29+50	2950	50	112.7	0.3	0.0	233	0	0	6946	584	0	0	6362
30+00	3000	50	117.8	0.0	0.0	213	0	0	7160	584	0	0	6575
30+50	3050	50	121.0	0.2	0.0	221	0	0	7381	584	0	0	6796
31+00	3100	50	126.5	0.0	0.0	229	0	0	7610	585	0	0	7025
31+50	3150	50	399.8	0.0	0.0	487	0	0	8097	585	0	0	7512
32+00	3200	50	230.8	0.0	0.0	584	0	0	8681	585	0	0	8096
32+50	3250	50	219.4	0.1	0.0	417	0	0	9098	585	0	0	8513
33+00	3300	50	234.9	0.0	0.0	421	0	0	9518	585	0	0	8934
33+50	3350	50	252.7	0.0	0.0	451	0	0	9970	585	0	0	9385
34+00	3400	50	258.0	0.0	0.0	473	0	0	10443	585	0	0	9858
34+50	3450	50	252.1	0.0	0.0	472	0	0	10915	585	0	0	10330
35+00	3500	50	253.5	0.0	0.0	468	0	0	11383	585	0	0	10798
37+00	3700	0	207.4	0.0	0.0	0	0	0	11383	585	0	0	10798
37+50	3750	50	191.4	0.0	0.0	369	0	0	11753	585	0	0	11168
38+00	3800	50	136.8	0.0	0.0	304	0	0	12056	585	0	0	11472
38+50	3850	50	106.5	0.0	0.0	225	0	0	12282	585	0	0	11697
39+00	3900	50	92.1	0.0	0.0	184	0	0	12466	585	0	0	11881
39+50	3950	50	89.5	0.0	0.0	168	0	0	12634	585	0	0	12049
40+00	4000	50	78.6	3.5	0.0	156	3	0	12789	589	0	0	12201
				Column totals		12789	491	0					

DIVISION 5 - IH 94 EASTBOUND

STATION	Real Station	Distance	AREA (SF) Cut	AREA (SF) Fill	AREA (SF) EBS	Incremental Vol (CY) (Unadjusted) Cut Note 1	Incremental Vol (CY) (Unadjusted) Fill Note 2	Incremental Vol (CY) (Unadjusted) EBS	Cumulative Vol (CY) Cut 1.00 Note 1	Cumulative Vol (CY) Expanded Fill 1.20	Cumulative Vol (CY) Expanded EBS Backfill 1.30 Note 3	Cumulative Vol (CY) Reduced EBS In Fill 0.80 Note 4	Mass Ordinate Note 5
322+00	32200		112.1	0.0	0.0	0	0	0	0	0	0	0	0
323+00	32300	100	115.7	0.0	0.0	422	0	0	422	0	0	0	422
324+00	32400	100	104.3	0.0	0.0	407	0	0	829	0	0	0	829
325+00	32500	100	104.6	0.0	0.0	387	0	0	1216	0	0	0	1216
326+00	32600	100	115.1	0.0	0.0	407	0	0	1623	0	0	0	1623
327+00	32700	100	126.4	0.0	0.0	447	0	0	2070	0	0	0	2070
328+00	32800	100	125.4	0.0	0.0	466	0	0	2536	0	0	0	2536
329+00	32900	100	120.7	0.0	0.0	456	0	0	2992	0	0	0	2992
330+00	33000	100	115.5	0.0	0.0	437	0	0	3430	0	0	0	3430
331+00	33100	100	115.2	0.0	0.0	427	0	0	3857	0	0	0	3857
332+00	33200	100	110.5	0.0	0.0	418	0	0	4275	0	0	0	4275
333+00	33300	100	112.5	0.0	0.0	413	0	0	4688	0	0	0	4688
334+00	33400	100	108.9	0.0	0.0	410	0	0	5098	0	0	0	5098
335+00	33500	100	105.2	0.0	0.0	396	0	0	5494	0	0	0	5494
336+00	33600	100	108.5	0.0	0.0	396	0	0	5890	0	0	0	5890
337+00	33700	100	104.0	0.0	0.0	394	0	0	6284	0	0	0	6284
338+00	33800	100	103.0	0.0	0.0	383	0	0	6667	0	0	0	6667
339+00	33900	100	97.8	0.0	0.0	372	0	0	7039	0	0	0	7039
340+00	34000	100	95.9	0.0	0.0	359	0	0	7397	0	0	0	7397
341+00	34100	100	92.5	0.0	0.0	349	0	0	7746	0	0	0	7746
342+00	34200	100	85.9	0.0	0.0	330	0	0	8077	0	0	0	8077
343+00	34300	100	83.6	0.0	0.0	314	0	0	8391	0	0	0	8391
344+00	34400	100	72.3	0.1	0.0	289	0	0	8679	0	0	0	8679
345+00	34500	100	68.8	0.0	0.0	261	0	0	8941	0	0	0	8940
346+00	34600	100	56.6	0.1	0.0	232	0	0	9173	1	0	0	9172
347+00	34700	100	55.7	0.1	0.0	208	0	0	9381	1	0	0	9380
348+00	34800	100	54.7	0.6	0.0	204	1	0	9585	3	0	0	9583
349+00	34900	100	57.2	0.1	0.0	207	1	0	9792	4	0	0	9788
350+00	35000	100	63.8	0.5	0.0	224	1	0	10016	6	0	0	10011
351+00	35100	100	61.0	0.1	0.0	231	1	0	10248	7	0	0	10241
352+00	35200	100	60.0	0.5	0.0	224	1	0	10472	8	0	0	10463
353+00	35300	100	55.6	0.1	0.0	214	1	0	10686	10	0	0	10676
353+70	35370	70	56.9	3.0	42.0	146	4	54	10832	-38	71	44	10869
				Column totals		10832	12	54					

9

9

DIVISION 5 - IH 94 EASTBOUND CONTINUED

STATION	Real Station	Distance	AREA (SF) Cut	AREA (SF) Fill	AREA (SF) EBS	Incremental Vol (CY) (Unadjusted) Cut Note 1	Incremental Vol (CY) (Unadjusted) Fill Note 2	Incremental Vol (CY) (Unadjusted) EBS	Cumulative Vol (CY) Cut 1.00 Note 1	Cumulative Vol (CY) Expanded Fill 1.20	Cumulative Vol (CY) Expanded EBS Backfill 1.30 Note 3	Cumulative Vol (CY) Reduced EBS In Fill 0.80 Note 4	Mass Ordinate Note 5
355+17	35517		52.6	4.2	42.0	0	0	0	0	0	0	0	0
356+00	35600	83	53.4	0.0	42.0	163	6	129	163	-116	168	103	279
357+00	35700	100	53.8	0.0	42.0	199	0	156	361	-266	370	228	627
358+00	35800	100	55.6	0.0	42.0	203	0	156	564	-415	572	352	979
359+00	35900	100	59.0	0.0	42.0	212	0	156	776	-564	775	477	1340
360+00	36000	100	64.8	0.0	42.0	229	0	156	1006	-714	977	601	1719
361+00	36100	100	68.7	0.0	42.0	247	0	156	1253	-863	1179	726	2116
362+00	36200	100	71.7	0.0	0.0	260	0	78	1513	-938	1280	788	2450
363+00	36300	100	73.2	0.0	0.0	268	0	0	1781	-938	1280	788	2719
364+00	36400	100	80.7	0.0	0.0	285	0	0	2066	-938	1280	788	3004
365+00	36500	100	71.0	2.4	0.0	281	4	0	2347	-932	1280	788	3279
366+00	36600	100	75.4	0.0	0.0	271	4	0	2618	-927	1280	788	3545
367+00	36700	100	72.8	0.5	0.0	274	1	0	2893	-926	1280	788	3818
368+00	36800	100	74.8	0.0	0.0	273	1	0	3166	-925	1280	788	4091
369+00	36900	100	70.2	6.8	0.0	269	13	0	3434	-910	1280	788	4344
370+00	37000	100	67.0	4.5	0.0	254	21	0	3688	-884	1280	788	4573
371+00	37100	100	61.8	2.9	0.0	239	14	0	3927	-868	1280	788	4795
372+00	37200	100	63.5	0.4	0.0	232	6	0	4159	-861	1280	788	5020
373+00	37300	100	61.9	1.7	0.0	232	4	0	4391	-856	1280	788	5247
374+00	37400	100	55.3	9.1	0.0	217	20	0	4608	-832	1280	788	5440
375+00	37500	100	75.4	11.9	0.0	242	39	0	4850	-785	1280	788	5636
376+00	37600	100	75.4	17.1	0.0	279	54	0	5130	-721	1280	788	5850
377+00	37700	100	85.5	0.0	0.0	298	32	0	5428	-683	1280	788	6110
378+00	37800	100	80.7	0.0	0.0	308	0	0	5735	-683	1280	788	6418
379+00	37900	100	86.3	0.0	0.0	309	0	0	6045	-683	1280	788	6727
380+00	38000	100	83.3	2.4	0.0	314	4	0	6359	-678	1280	788	7036
381+00	38100	100	89.2	0.4	0.0	319	5	0	6678	-671	1280	788	7349
382+00	38200	100	91.9	0.0	0.0	335	1	0	7013	-670	1280	788	7684
383+00	38300	100	89.0	0.0	0.0	335	0	0	7348	-670	1280	788	8019
384+00	38400	100	89.8	0.0	0.0	331	0	0	7680	-670	1280	788	8350
385+00	38500	100	82.5	0.0	0.0	319	0	0	7999	-670	1280	788	8669
386+00	38600	100	78.2	0.0	0.0	298	0	0	8296	-670	1280	788	8967
387+00	38700	100	69.2	0.0	0.0	273	0	0	8569	-670	1280	788	9240
388+00	38800	100	80.3	0.0	0.0	277	0	0	8846	-670	1280	788	9516
389+00	38900	100	72.1	0.7	0.0	282	1	0	9128	-669	1280	788	9797
390+00	39000	100	70.6	0.0	0.0	264	1	0	9393	-667	1280	788	10060
391+00	39100	100	60.3	0.0	0.0	242	0	0	9635	-667	1280	788	10302
392+00	39200	100	60.7	0.0	0.0	224	0	0	9859	-667	1280	788	10526
393+00	39300	100	58.0	26.2	0.0	220	49	0	10079	-609	1280	788	10688
394+00	39400	100	54.5	0.0	0.0	208	49	0	10287	-551	1280	788	10838
395+00	39500	100	64.4	0.5	0.0	220	1	0	10507	-550	1280	788	11057
396+00	39600	100	58.9	0.0	0.0	228	1	0	10736	-549	1280	788	11284
397+00	39700	100	55.9	0.0	0.0	213	0	0	10948	-549	1280	788	11497
398+00	39800	100	75.7	0.0	0.0	244	0	0	11192	-549	1280	788	11741
399+00	39900	100	77.2	0.0	0.0	283	0	0	11475	-549	1280	788	12024
400+00	40000	100	85.4	0.0	0.0	301	0	0	11776	-549	1280	788	12325
			Column totals			11776	331	985					

DIVISION 5 - IH 94 EASTBOUND CONTINUED

STATION	Real Station	Distance	AREA (SF) Cut	AREA (SF) Fill	AREA (SF) EBS	Incremental Vol (CY) (Unadjusted) Cut Note 1	Incremental Vol (CY) (Unadjusted) Fill Note 2	Incremental Vol (CY) (Unadjusted) EBS	Cumulative Vol (CY) Cut 1.00 Note 1	Cumulative Vol (CY) Expanded Fill 1.20	Cumulative Vol (CY) Expanded EBS Backfill 1.30 Note 3	Cumulative Vol (CY) Reduced EBS In Fill 0.80 Note 4	Mass Ordinate Note 5
415+75	41575		72.4	0.0	42.0	0	0	0	0	0	0	0	0
416+00	41600	25	70.0	0.0	42.0	66	0	39	66	-37	51	31	103
417+00	41700	100	64.8	0.0	42.0	250	0	156	316	-187	253	156	502
418+00	41800	100	67.3	0.0	42.0	245	0	156	560	-336	455	280	896
419+00	41900	100	105.5	0.0	0.0	320	0	78	880	-411	556	342	1291
420+00	42000	100	159.2	0.5	0.0	490	1	0	1370	-410	556	342	1780
421+00	42100	100	231.9	0.9	0.0	724	3	0	2095	-406	556	342	2501
422+00	42200	100	66.4	0.0	0.0	552	2	0	2647	-404	556	342	3051
423+00	42300	100	65.4	0.0	0.0	244	0	0	2891	-404	556	342	3296
424+00	42400	100	69.0	0.2	0.0	249	0	0	3140	-404	556	342	3544
425+00	42500	100	76.4	0.0	0.0	269	0	0	3409	-404	556	342	3813
426+00	42600	100	69.0	0.0	0.0	269	0	0	3679	-404	556	342	4082
427+00	42700	100	62.7	0.0	0.0	244	0	0	3922	-404	556	342	4326
428+00	42800	100	71.0	0.0	0.0	248	0	0	4170	-404	556	342	4574
429+00	42900	100	61.3	0.0	0.0	245	0	0	4415	-404	556	342	4819
430+00	43000	100	63.4	0.0	0.0	231	0	0	4646	-404	556	342	5049
431+00	43100	100	59.8	0.0	0.0	228	0	0	4874	-404	556	342	5278
432+00	43200	100	61.0	0.0	0.0	224	0	0	5098	-404	556	342	5501
433+00	43300	100	60.1	0.0	0.0	224	0	0	5322	-404	556	342	5726
434+00	43400	100	55.6	0.0	0.0	214	0	0	5536	-404	556	342	5940
435+00	43500	100	57.2	0.0	0.0	209	0	0	5745	-404	556	342	6149
436+00	43600	100	61.3	0.0	0.0	219	0	0	5965	-404	556	342	6368
437+00	43700	100	60.3	0.0	0.0	225	0	0	6190	-404	556	342	6593
438+00	43800	100	57.5	0.0	0.0	218	0	0	6408	-404	556	342	6812
439+00	43900	100	59.8	0.0	0.0	217	0	0	6625	-404	556	342	7029
440+00	44000	100	59.2	0.2	0.0	220	0	0	6846	-403	556	342	7249
441+00	44100	100	54.0	1.4	0.0	210	3	0	7055	-400	556	342	7455
442+00	44200	100	63.2	5.3	0.0	217	12	0	7272	-385	556	342	7657
443+00	44300	100	64.7	14.6	0.0	237	37	0	7509	-340	556	342	7850
444+00	44400	100	62.5	11.9	0.0	236	49	0	7745	-282	556	342	8026
445+00	44500	100	62.5	17.2	0.0	231	54	0	7976	-217	556	342	8193
446+00	44600	100	60.0	8.7	0.0	227	48	0	8203	-159	556	342	8362
447+00	44700	100	61.6	1.2	0.0	225	18	0	8428	-137	556	342	8565
448+00	44800	100	56.2	5.0	0.0	218	11	0	8646	-124	556	342	8770
		Column totals				8646	239	428					

9

9

DIVISION 5 - STH 37 SOUTHBOUND

STATION	Real Station	Distance	AREA (SF) Cut	AREA (SF) Fill	AREA (SF) EBS	Incremental Vol (CY) (Unadjusted) Cut Note 1	Incremental Vol (CY) (Unadjusted) Fill Note 2	Incremental Vol (CY) (Unadjusted) EBS	Cumulative Vol (CY) Cut 1.00 Note 1	Cumulative Vol (CY) Expanded Fill 1.20	Cumulative Vol (CY) Expanded EBS Backfill 1.30 Note 3	Cumulative Vol (CY) Reduced EBS In Fill 0.80 Note 4	Mass Ordinate Note 5
08+05	805		50.2	3.4	0.0	0	0	0	0	0	0	0	0
08+50	850	45	82.6	0.0	0.0	111	3	0	111	3	0	0	107
09+00	900	50	57.9	4.9	0.0	130	5	0	241	9	0	0	232
09+50	950	50	61.3	6.7	0.0	110	11	0	351	22	0	0	329
10+00	1000	50	64.2	2.8	0.0	116	9	0	467	32	0	0	435
10+50	1050	50	59.1	1.1	0.0	114	4	0	582	37	0	0	545
11+00	1100	50	62.6	5.5	0.0	113	6	0	694	44	0	0	650
11+50	1150	50	61.6	7.0	0.0	115	12	0	809	58	0	0	751
12+00	1200	50	52.2	10.0	0.0	105	16	0	915	77	0	0	838
12+50	1250	50	47.4	18.6	0.0	92	26	0	1007	108	0	0	898
13+00	1300	50	49.7	26.0	0.0	90	41	0	1097	158	0	0	939
13+50	1350	50	45.5	54.4	0.0	88	74	0	1185	247	0	0	937
14+00	1400	50	45.9	20.3	0.0	85	69	0	1269	330	0	0	939
14+50	1450	50	47.8	4.9	0.0	87	23	0	1356	358	0	0	998
15+00	1500	50	47.1	2.4	0.0	88	7	0	1444	366	0	0	1078
15+50	1550	50	51.4	0.0	0.0	91	2	0	1535	369	0	0	1166
16+00	1600	50	53.1	0.0	0.0	97	0	0	1632	369	0	0	1263
16+50	1650	50	52.4	0.0	0.0	98	0	0	1730	369	0	0	1361
17+00	1700	50	48.4	0.6	0.0	93	1	0	1823	370	0	0	1453
17+50	1750	50	48.2	6.5	0.0	89	7	0	1913	378	0	0	1535
18+00	1800	50	35.4	23.9	0.0	77	28	0	1990	411	0	0	1578
18+50	1850	50	37.4	15.2	0.0	67	36	0	2057	455	0	0	1602
19+00	1900	50	40.9	5.7	0.0	73	19	0	2130	478	0	0	1652
19+50	1950	50	40.4	3.0	0.0	75	8	0	2205	488	0	0	1717
20+00	2000	50	41.1	2.8	0.0	75	5	0	2281	494	0	0	1786
20+50	2050	50	42.7	0.0	0.0	78	3	0	2358	497	0	0	1861
21+00	2100	50	39.6	1.8	0.0	76	2	0	2434	499	0	0	1935
21+50	2150	50	45.0	1.9	0.0	78	3	0	2513	503	0	0	2009
22+00	2200	50	50.0	0.0	0.0	88	2	0	2601	506	0	0	2095
22+50	2250	50	50.1	0.0	0.0	93	0	0	2693	506	0	0	2188
23+00	2300	50	67.5	2.0	0.0	109	2	0	2802	508	0	0	2294
23+50	2350	50	139.0	0.0	0.0	191	2	0	2993	510	0	0	2483
24+00	2400	50	195.3	0.0	0.0	310	0	0	3303	510	0	0	2793
24+50	2450	50	146.5	0.0	0.0	316	0	0	3619	510	0	0	3109
25+00	2500	50	141.4	0.0	0.0	267	0	0	3886	510	0	0	3376
25+50	2550	50	110.7	37.4	0.0	233	35	0	4119	552	0	0	3568
26+00	2600	50	114.8	119.2	0.0	209	145	0	4328	726	0	0	3603
26+50	2650	50	148.3	117.0	0.0	244	219	0	4572	988	0	0	3584
27+00	2700	50	138.9	96.4	0.0	266	198	0	4838	1225	0	0	3613
27+50	2750	50	136.1	34.5	0.0	255	121	0	5092	1371	0	0	3722
28+00	2800	50	140.0	0.8	0.0	256	33	0	5348	1410	0	0	3938
28+50	2850	50	161.6	0.0	0.0	279	1	0	5627	1411	0	0	4217
29+00	2900	50	151.6	0.0	0.0	290	0	0	5917	1411	0	0	4507
29+50	2950	50	139.6	0.0	0.0	270	0	0	6187	1411	0	0	4776
30+00	3000	50	140.5	0.0	0.0	259	0	0	6446	1411	0	0	5036
30+50	3050	50	142.6	0.0	0.0	262	0	0	6708	1411	0	0	5298
31+00	3100	50	148.4	0.0	0.0	269	0	0	6978	1411	0	0	5567
31+50	3150	50	255.5	0.0	0.0	374	0	0	7352	1411	0	0	5941
32+00	3200	50	173.2	0.0	0.0	397	0	0	7749	1411	0	0	6338
32+50	3250	50	183.2	0.0	0.0	330	0	0	8079	1411	0	0	6668
33+00	3300	50	195.1	0.0	0.0	350	0	0	8429	1411	0	0	7018
33+50	3350	50	184.9	0.0	0.0	352	0	0	8781	1411	0	0	7370
34+00	3400	50	176.5	0.0	0.0	335	0	0	9116	1411	0	0	7705
34+50	3450	50	163.2	0.0	0.0	315	0	0	9430	1411	0	0	8019
35+00	3500	50	166.2	0.0	0.0	305	0	0	9735	1411	0	0	8324
35+50	3550	50	172.9	0.0	0.0	314	0	0	10049	1411	0	0	8638
36+00	3600	50	151.5	0.0	0.0	300	0	0	10349	1411	0	0	8939
36+50	3650	50	140.5	0.0	0.0	270	0	0	10620	1411	0	0	9209
37+00	3700	50	130.2	0.0	0.0	251	0	0	10870	1411	0	0	9460
37+50	3750	50	108.1	0.0	0.0	221	0	0	11091	1411	0	0	9680
38+00	3800	50	87.2	0.0	0.0	181	0	0	11272	1411	0	0	9861
38+50	3850	50	95.5	0.0	0.0	169	0	0	11441	1411	0	0	10030
39+00	3900	50	78.6	0.0	0.0	161	0	0	11602	1411	0	0	10192
39+50	3950	50	87.0	2.8	0.0	153	3	0	11756	1414	0	0	10342
40+00	4000	50	0.0	0.0	0.0	81	3	0	11836	1417	0	0	10419
			Column totals			11836	1181	0					

DIVISION 6 - IH 94 EASTBOUND

STATION	Real Station	Distance	AREA (SF) Cut	AREA (SF) Fill	AREA (SF) EBS	Incremental Vol (CY) (Unadjusted) Cut Note 1	Incremental Vol (CY) (Unadjusted) Fill Note 2	Incremental Vol (CY) (Unadjusted) EBS	Cumulative Vol (CY) Cut 1.00 Note 1	Expanded Fill 1.20	Expanded EBS Backfill 1.30 Note 3	Reduced EBS In Fill 0.80 Note 4	Mass Ordinate Note 5
287+00	28700		115.3	74.9	0.0	0	0	0	0	0	0	0	0
288+00	28800	100	46.9	0.0	0.0	300	139	0	300	166	0	0	134
289+00	28900	100	34.7	0.0	0.0	151	0	0	451	166	0	0	285
290+00	29000	100	26.4	0.0	0.0	113	0	0	565	166	0	0	398
291+00	29100	100	25.1	0.0	0.0	95	0	0	660	166	0	0	494
291+50	29150	50	20.7	0.0	0.0	42	0	0	702	166	0	0	536
				Column totals		702	139	0					

9

9

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	EARTHWORK	SHEET: 830	E

FILE NAME : _____ PLOT DATE : _____ PLOT BY : _____ PLOT NAME : _____ ORG DATE : _____ ORIGINATOR : DIST _ PLOT SCALE : 1:1

DIVISION 6 - IH 94 EASTBOUND CONTINUED

STATION	Real Station	Distance	AREA (SF) Cut	AREA (SF) Fill	AREA (SF) EBS	Incremental Vol (CY) (Unadjusted) Cut Note 1	Incremental Vol (CY) (Unadjusted) Fill Note 2	Incremental Vol (CY) (Unadjusted) EBS	Cumulative Vol (CY) Cut 1.00 Note 1	Cumulative Vol (CY) Expanded Fill 1.20	Cumulative Vol (CY) Expanded EBS Backfill 1.30 Note 3	Cumulative Vol (CY) Reduced EBS In Fill 0.80 Note 4	Mass Ordinate Note 5
307+00	30700		73.5	0.4	42.0	0	0	0	0	0	0	0	0
308+00	30800	100	133.0	0.0	42.0	382	1	156	382	-148	202	124	531
309+00	30900	100	108.1	0.0	42.0	446	0	156	829	-298	404	249	1127
310+00	31000	100	116.7	0.0	42.0	416	0	156	1245	-447	607	373	1692
311+00	31100	100	125.3	0.0	0.0	448	0	78	1693	-522	708	436	2215
312+00	31200	100	130.6	0.0	0.0	474	0	0	2167	-522	708	436	2689
313+00	31300	100	132.9	0.0	0.0	488	0	0	2655	-522	708	436	3177
314+00	31400	100	149.6	0.0	0.0	523	0	0	3178	-522	708	436	3700
315+00	31500	100	153.3	0.0	0.0	561	0	0	3739	-522	708	436	4261
316+00	31600	100	163.2	0.0	0.0	586	0	0	4325	-522	708	436	4847
317+00	31700	100	169.3	0.0	0.0	616	0	0	4941	-522	708	436	5463
318+00	31800	100	175.7	0.0	0.0	639	0	0	5580	-522	708	436	6102
319+00	31900	100	179.4	0.0	0.0	658	0	0	6238	-522	708	436	6759
320+00	32000	100	186.0	0.0	0.0	677	0	0	6914	-522	708	436	7436
321+00	32100	100	171.7	0.0	0.0	662	0	0	7577	-522	708	436	8098
322+00	32200	100	164.5	0.0	0.0	623	0	0	8199	-522	708	436	8721
323+00	32300	100	59.7	0.0	0.0	415	0	0	8614	-522	708	436	9136
324+00	32400	100	60.9	0.0	0.0	223	0	0	8838	-522	708	436	9360
325+00	32500	100	60.2	0.0	0.0	224	0	0	9062	-522	708	436	9584
326+00	32600	100	62.8	0.0	0.0	228	0	0	9290	-522	708	436	9812
327+00	32700	100	67.9	0.0	0.0	242	0	0	9532	-522	708	436	10054
328+00	32800	100	67.6	0.0	0.0	251	0	0	9783	-522	708	436	10305
329+00	32900	100	66.6	0.0	0.0	249	0	0	10031	-522	708	436	10553
330+00	33000	100	66.1	0.0	0.0	246	0	0	10277	-522	708	436	10799
331+00	33100	100	64.0	0.0	0.0	241	0	0	10518	-522	708	436	11040
332+00	33200	100	64.4	0.0	0.0	238	0	0	10756	-522	708	436	11278
333+00	33300	100	58.3	0.0	0.0	227	0	0	10983	-522	708	436	11505
334+00	33400	100	54.7	0.0	0.0	209	0	0	11192	-522	708	436	11714
335+00	33500	100	56.3	0.0	0.0	206	0	0	11398	-522	708	436	11920
336+00	33600	100	47.1	0.0	0.0	191	0	0	11589	-522	708	436	12111
337+00	33700	100	41.6	0.0	0.0	164	0	0	11754	-522	708	436	12275
338+00	33800	100	38.4	0.0	0.0	148	0	0	11902	-522	708	436	12423
339+00	33900	100	40.5	0.0	0.0	146	0	0	12048	-522	708	436	12570
340+00	34000	100	38.4	0.0	0.0	146	0	0	12194	-522	708	436	12716
341+00	34100	100	39.9	0.0	0.0	145	0	0	12339	-522	708	436	12861
342+00	34200	100	38.3	0.0	0.0	145	0	0	12484	-522	708	436	13005
343+00	34300	100	36.7	0.0	0.0	139	0	0	12623	-522	708	436	13144
344+00	34400	100	30.1	0.0	0.0	124	0	0	12746	-522	708	436	13268
345+00	34500	100	26.2	0.0	0.0	104	0	0	12851	-522	708	436	13372
346+00	34600	100	31.7	0.0	0.0	107	0	0	12958	-522	708	436	13480
347+00	34700	100	27.2	0.0	0.0	109	0	0	13067	-522	708	436	13589
348+00	34800	100	33.9	0.0	0.0	113	0	0	13180	-522	708	436	13702
349+00	34900	100	34.3	0.0	0.0	126	0	0	13306	-522	708	436	13828
350+00	35000	100	36.2	0.0	0.0	131	0	0	13437	-522	708	436	13959
351+00	35100	100	25.2	0.0	0.0	114	0	0	13551	-522	708	436	14072
352+00	35200	100	22.7	0.0	0.0	89	0	0	13639	-522	708	436	14161
353+00	35300	100	33.3	0.0	0.0	104	0	0	13743	-522	708	436	14265
353+70	35370	70	44.3	0.0	0.0	101	0	0	13844	-522	708	436	14365
					Column totals	13844	1	544					

9 9

PROJECT NO: 1022-08-73 | HWY: IH 94 | COUNTY: EAU CLAIRE | EARTHWORK | SHEET: 831 | E

FILE NAME : _____ PLOT DATE : _____ PLOT BY : _____ PLOT NAME : _____ ORG DATE : _____ ORIGINATOR : DIST _ PLOT SCALE : 1:1

DIVISION 6 - IH 94 EASTBOUND CONTINUED

STATION	Real Station	Distance	AREA (SF)			Incremental Vol (CY) (Unadjusted)			Cumulative Vol (CY)				Mass Ordinate
			Cut	Fill	EBS	Cut	Fill	EBS	Cut 1.00	Expanded Fill 1.20	Expanded EBS Backfill 1.30	Reduced EBS In Fill 0.80	
						Note 1	Note 2		Note 1		Note 3	Note 4	Note 5
355+17	35517		17.2	9.8	0.0	0	0	0	0	0	0	0	0
356+00	35600	83	28.1	0.0	0.0	70	15	0	70	18	0	0	52
357+00	35700	100	25.5	0.0	0.0	99	0	0	169	18	0	0	151
358+00	35800	100	29.9	0.0	0.0	103	0	0	271	18	0	0	253
359+00	35900	100	27.5	0.0	0.0	106	0	0	378	18	0	0	360
360+00	36000	100	44.5	0.0	0.0	133	0	0	511	18	0	0	493
361+00	36100	100	44.8	0.0	0.0	165	0	0	676	18	0	0	658
362+00	36200	100	51.5	0.0	0.0	178	0	0	855	18	0	0	837
363+00	36300	100	48.7	0.0	0.0	186	0	0	1040	18	0	0	1022
364+00	36400	100	52.2	0.0	0.0	187	0	0	1227	18	0	0	1209
365+00	36500	100	47.5	0.0	0.0	185	0	0	1412	18	0	0	1394
366+00	36600	100	47.7	0.0	0.0	176	0	0	1588	18	0	0	1570
367+00	36700	100	51.6	0.0	0.0	184	0	0	1772	18	0	0	1754
368+00	36800	100	41.3	0.0	0.0	172	0	0	1944	18	0	0	1926
369+00	36900	100	37.3	0.0	0.0	146	0	0	2090	18	0	0	2072
370+00	37000	100	34.2	0.0	0.0	132	0	0	2222	18	0	0	2204
371+00	37100	100	35.5	0.0	0.0	129	0	0	2351	18	0	0	2333
372+00	37200	100	38.1	0.0	0.0	136	0	0	2487	18	0	0	2469
373+00	37300	100	45.4	0.0	0.0	155	0	0	2642	18	0	0	2624
374+00	37400	100	34.6	0.0	0.0	148	0	0	2790	18	0	0	2772
375+00	37500	100	41.7	0.0	0.0	141	0	0	2931	18	0	0	2913
376+00	37600	100	46.8	0.0	0.0	164	0	0	3095	18	0	0	3077
377+00	37700	100	44.6	0.0	0.0	169	0	0	3265	18	0	0	3247
378+00	37800	100	40.5	0.0	0.0	158	0	0	3422	18	0	0	3404
379+00	37900	100	28.0	0.1	0.0	127	0	0	3549	18	0	0	3531
380+00	38000	100	28.9	0.5	0.0	105	1	0	3654	20	0	0	3635
381+00	38100	100	29.4	2.2	0.0	108	5	0	3762	26	0	0	3737
382+00	38200	100	31.7	2.7	0.0	113	9	0	3876	37	0	0	3839
383+00	38300	100	30.2	4.1	0.0	115	13	0	3990	52	0	0	3939
384+00	38400	100	27.9	6.2	0.0	108	19	0	4098	75	0	0	4023
385+00	38500	100	22.7	8.4	0.0	94	27	0	4191	107	0	0	4085
386+00	38600	100	21.8	10.2	0.0	82	34	0	4274	148	0	0	4126
387+00	38700	100	23.1	9.4	0.0	83	36	0	4357	192	0	0	4165
388+00	38800	100	25.8	3.7	0.0	91	24	0	4448	221	0	0	4227
389+00	38900	100	30.0	0.0	0.0	103	7	0	4551	229	0	0	4322
390+00	39000	100	35.0	0.0	0.0	120	0	0	4671	229	0	0	4442
391+00	39100	100	31.9	0.1	0.0	124	0	0	4795	229	0	0	4566
392+00	39200	100	28.1	1.7	0.0	111	3	0	4906	233	0	0	4673
393+00	39300	100	25.9	0.6	0.0	100	4	0	5006	239	0	0	4768
394+00	39400	100	24.9	0.8	0.0	94	3	0	5100	242	0	0	4859
395+00	39500	100	35.1	0.0	0.0	111	1	0	5211	243	0	0	4968
396+00	39600	100	33.6	0.0	0.0	127	0	0	5339	243	0	0	5095
397+00	39700	100	34.6	0.0	0.0	126	0	0	5465	243	0	0	5222
398+00	39800	100	54.2	0.0	0.0	164	0	0	5629	243	0	0	5386
399+00	39900	100	32.6	0.7	0.0	161	1	0	5790	245	0	0	5545
400+00	40000	100	32.1	7.8	0.0	120	16	0	5910	264	0	0	5646
401+00	40100	100	99.3	0.0	0.0	243	14	0	6153	281	0	0	5872
402+00	40200	100	87.3	0.0	0.0	346	0	0	6499	281	0	0	6218
403+00	40300	100	34.2	13.8	0.0	225	26	0	6724	312	0	0	6412
404+00	40400	100	29.8	7.2	0.0	119	39	0	6842	359	0	0	6484
405+00	40500	100	26.2	0.0	0.0	104	13	0	6946	375	0	0	6572
406+00	40600	100	15.1	10.1	0.0	76	19	0	7023	397	0	0	6626
406+98	40698	98	11.4	9.2	0.0	48	35	0	7071	439	0	0	6632
				Column totals		7071	366	0					

DIVISION 6 - IH 94 EASTBOUND CONTINUED

STATION	Real Station	Distance	AREA (SF) Cut	AREA (SF) Fill	AREA (SF) EBS	Incremental Vol (CY) (Unadjusted) Cut Note 1	Incremental Vol (CY) (Unadjusted) Fill Note 2	Incremental Vol (CY) (Unadjusted) EBS	Cumulative Vol (CY) Cut 1.00 Note 1	Cumulative Vol (CY) Expanded Fill 1.20	Cumulative Vol (CY) Expanded EBS Backfill 1.30 Note 3	Cumulative Vol (CY) Reduced EBS In Fill 0.80 Note 4	Mass Ordinate Note 5
408+69	40869		11.1	50.8	0.0	0	0	0	0	0	0	0	0
409+00	40900	31	13.6	56.7	0.0	14	62	0	14	74	0	0	-60
410+00	41000	100	13.9	7.4	0.0	51	119	0	65	217	0	0	-151
411+00	41100	100	14.7	53.5	0.0	53	113	0	118	352	0	0	-234
412+00	41200	100	15.0	14.5	0.0	55	126	0	173	503	0	0	-330
413+00	41300	100	18.2	1.4	0.0	61	29	0	235	538	0	0	-304
414+00	41400	100	26.0	-0.1	0.0	82	2	0	316	541	0	0	-225
415+00	41500	100	25.3	0.7	0.0	95	1	0	411	543	0	0	-131
416+00	41600	100	28.6	0.0	0.0	100	1	0	511	544	0	0	-33
417+00	41700	100	29.7	0.0	0.0	108	0	0	619	544	0	0	75
418+00	41800	100	79.7	0.0	0.0	203	0	0	822	544	0	0	278
419+00	41900	100	76.9	0.0	0.0	290	0	0	1112	544	0	0	568
420+00	42000	100	49.8	0.0	0.0	235	0	0	1346	544	0	0	802
421+00	42100	100	207.4	0.0	0.0	476	0	0	1823	544	0	0	1279
422+00	42200	100	29.0	0.0	0.0	438	0	0	2260	544	0	0	1716
423+00	42300	100	26.0	0.0	0.0	102	0	0	2362	544	0	0	1818
424+00	42400	100	35.2	0.0	0.0	113	0	0	2476	544	0	0	1932
425+00	42500	100	35.2	0.0	0.0	130	0	0	2606	544	0	0	2062
426+00	42600	100	39.0	0.0	0.0	137	0	0	2743	544	0	0	2199
427+00	42700	100	23.6	0.5	0.0	116	1	0	2859	545	0	0	2314
428+00	42800	100	29.3	0.0	0.0	98	1	0	2957	546	0	0	2411
429+00	42900	100	27.9	0.0	0.0	106	0	0	3063	546	0	0	2517
430+00	43000	100	25.0	0.0	0.0	98	0	0	3161	546	0	0	2615
431+00	43100	100	24.8	0.0	0.0	92	0	0	3253	546	0	0	2707
432+00	43200	100	28.2	0.0	0.0	98	0	0	3352	546	0	0	2805
433+00	43300	100	23.0	0.0	0.0	95	0	0	3446	546	0	0	2900
434+00	43400	100	60.0	0.0	0.0	154	0	0	3600	546	0	0	3054
435+00	43500	100	19.6	9.0	0.0	147	17	0	3748	566	0	0	3181
436+00	43600	100	18.8	33.2	0.0	71	78	0	3819	660	0	0	3159
437+00	43700	100	21.2	21.5	0.0	74	101	0	3893	782	0	0	3111
438+00	43800	100	19.8	17.4	0.0	76	72	0	3969	868	0	0	3101
439+00	43900	100	20.7	4.0	0.0	75	40	0	4044	916	0	0	3128
440+00	44000	100	21.6	0.0	0.0	78	7	0	4122	925	0	0	3197
441+00	44100	100	21.8	0.0	0.0	80	0	0	4202	925	0	0	3278
442+00	44200	100	28.1	0.0	0.0	92	0	0	4295	925	0	0	3370
443+00	44300	100	34.1	0.0	0.0	115	0	0	4410	925	0	0	3485
444+00	44400	100	34.9	0.0	0.0	128	0	0	4538	925	0	0	3613
445+00	44500	100	33.7	0.0	0.0	127	0	0	4665	925	0	0	3740
446+00	44600	100	29.0	0.0	0.0	116	0	0	4781	925	0	0	3856
447+00	44700	100	31.5	0.0	0.0	112	0	0	4893	925	0	0	3968
448+00	44800	100	34.0	0.0	0.0	121	0	0	5014	925	0	0	4090
449+00	44900	100	28.5	0.0	0.0	116	0	0	5130	925	0	0	4205
450+00	45000	100	34.8	0.0	0.0	117	0	0	5247	925	0	0	4323
451+00	45100	100	36.5	0.0	0.0	132	0	0	5379	925	0	0	4455
452+00	45200	100	46.9	0.0	0.0	154	0	0	5534	925	0	0	4609
453+00	45300	100	32.0	0.0	0.0	146	0	0	5680	925	0	0	4755
454+00	45400	100	22.0	0.0	0.0	100	0	0	5780	925	0	0	4855
455+00	45500	100	22.9	0.0	0.0	83	0	0	5863	925	0	0	4938
456+00	45600	100	79.0	0.0	0.0	189	0	0	6052	925	0	0	5127
457+00	45700	100	66.3	0.0	0.0	269	0	0	6321	925	0	0	5396
458+00	45800	100	59.6	0.0	0.0	233	0	0	6554	925	0	0	5629
459+00	45900	100	53.3	0.0	0.0	209	0	0	6763	925	0	0	5838
460+00	46000	100	49.8	0.0	0.0	191	0	0	6954	925	0	0	6029
461+00	46100	100	44.5	0.0	0.0	175	0	0	7128	925	0	0	6204
462+00	46200	100	46.1	0.0	0.0	168	0	0	7296	925	0	0	6372
463+00	46300	100	41.9	0.0	0.0	163	0	0	7459	925	0	0	6535
464+00	46400	100	42.7	0.0	0.0	157	0	0	7616	925	0	0	6691
465+00	46500	100	36.3	0.0	0.0	146	0	0	7762	925	0	0	6838
466+00	46600	100	27.9	0.1	0.0	119	0	0	7881	925	0	0	6956
467+00	46700	100	27.0	0.0	0.0	102	0	0	7983	925	0	0	7058
468+00	46800	100	71.4	0.0	0.0	182	0	0	8165	925	0	0	7240
469+00	46900	100	58.3	0.0	0.0	240	0	0	8405	925	0	0	7480
470+00	47000	100	64.8	0.0	0.0	228	0	0	8633	925	0	0	7708
471+00	47100	100	67.9	0.0	0.0	246	0	0	8879	925	0	0	7954
472+00	47200	100	25.3	0.4	0.0	173	1	0	9051	926	0	0	8126
473+00	47300	100	33.1	0.0	0.0	108	1	0	9160	927	0	0	8233
474+00	47400	100	38.0	0.0	0.0	132	0	0	9291	927	0	0	8364
475+00	47500	100	37.3	0.0	0.0	139	0	0	9431	927	0	0	8504
476+00	47600	100	40.7	0.0	0.0	144	0	0	9575	927	0	0	8648
477+00	47700	100	48.6	0.0	0.0	165	0	0	9740	927	0	0	8814
478+00	47800	100	41.2	0.0	0.0	166	0	0	9907	927	0	0	8980
479+00	47900	100	40.3	0.0	0.0	151	0	0	10058	927	0	0	9131
480+00	48000	100	35.5	0.0	0.0	140	0	0	10198	927	0	0	9271
481+00	48100	100	31.0	0.0	0.0	123	0	0	10321	927	0	0	9394
482+00	48200	100	27.3	0.0	0.0	108	0	0	10429	927	0	0	9502
483+00	48300	100	19.3	0.2	0.0	86	0	0	10515	927	0	0	9588
					Column totals	10515	773	0					

DIVISION 6 - IH 94 WESTBOUND

STATION	Real Station	Distance	AREA (SF) Cut	AREA (SF) Fill	AREA (SF) EBS	Incremental Vol (CY) (Unadjusted) Cut Note 1	Incremental Vol (CY) (Unadjusted) Fill Note 2	Incremental Vol (CY) (Unadjusted) EBS	Cumulative Vol (CY) Cut 1.00 Note 1	Expanded Fill 1.20	Expanded EBS Backfill 1.30 Note 3	Reduced EBS In Fill 0.80 Note 4	Mass Ordinate Note 5
281+00	28100		47.2	0.0	0.0	0	0	0	0	0	0	0	0
282+00	28200	100	56.4	0.0	0.0	192	0	0	192	0	0	0	192
283+00	28300	100	62.6	0.0	0.0	220	0	0	412	0	0	0	412
284+00	28400	100	69.9	0.0	0.0	245	0	0	658	0	0	0	658
285+00	28500	100	71.5	0.0	0.0	262	0	0	919	0	0	0	919
286+00	28600	100	76.8	0.0	0.0	275	0	0	1194	0	0	0	1194
287+00	28700	100	80.6	0.0	0.0	291	0	0	1485	0	0	0	1485
288+00	28800	100	72.2	0.0	0.0	283	0	0	1768	0	0	0	1768
289+00	28900	100	52.1	0.0	0.0	230	0	0	1999	0	0	0	1999
290+00	29000	100	36.4	0.1	0.0	164	0	0	2162	0	0	0	2162
291+00	29100	100	32.0	0.0	0.0	127	0	0	2289	0	0	0	2289
292+00	29200	100	0.0	10.0	0.0	59	18	0	2348	23	0	0	2326
293+00	29300	100	0.0	29.8	0.0	0	74	0	2348	111	0	0	2237
294+00	29400	100	0.0	30.6	0.0	0	112	0	2348	245	0	0	2103
295+00	29500	100	0.0	35.6	0.0	0	123	0	2348	392	0	0	1956
295+50	29550	50	0.0	34.3	0.0	0	65	0	2348	470	0	0	1878
		Column totals				2348	392	0					

9

9

DIVISION 6 - IH 94 WESTBOUND CONTINUED

STATION	Real Station	Distance	AREA (SF) Cut	AREA (SF) Fill	AREA (SF) EBS	Incremental Vol (CY) (Unadjusted) Cut Note 1	Incremental Vol (CY) (Unadjusted) Fill Note 2	Incremental Vol (CY) (Unadjusted) EBS	Cumulative Vol (CY) Cut 1.00 Note 1	Cumulative Vol (CY) Expanded Fill 1.20	Cumulative Vol (CY) Expanded EBS Backfill 1.30 Note 3	Cumulative Vol (CY) Reduced EBS In Fill 0.80 Note 4	Mass Ordinate Note 5
307+00	30700		0.0	1.8	0.0	0	0	0	0	0	0	0	0
308+00	30800	100	45.9	0.0	0.0	85	3	0	85	4	0	0	81
309+00	30900	100	23.8	0.0	0.0	129	0	0	214	4	0	0	210
310+00	31000	100	0.0	13.4	0.0	44	25	0	258	34	0	0	224
311+00	31100	100	0.0	6.8	0.0	0	37	0	258	79	0	0	179
312+00	31200	100	0.0	10.1	0.0	0	31	0	258	116	0	0	142
313+00	31300	100	0.0	10.2	0.0	0	38	0	258	161	0	0	97
314+00	31400	100	4.8	0.1	0.0	9	19	0	267	184	0	0	83
315+00	31500	100	10.5	0.0	0.0	28	0	0	295	184	0	0	111
316+00	31600	100	12.1	0.0	0.0	42	0	0	337	184	0	0	153
317+00	31700	100	18.4	0.0	0.0	56	0	0	394	184	0	0	209
318+00	31800	100	22.4	0.0	0.0	76	0	0	469	184	0	0	285
319+00	31900	100	20.9	0.0	0.0	80	0	0	549	184	0	0	365
320+00	32000	100	16.1	0.0	0.0	69	0	0	618	184	0	0	434
321+00	32100	100	18.8	0.0	0.0	65	0	0	683	184	0	0	498
322+00	32200	100	19.7	0.0	0.0	71	0	0	754	184	0	0	569
323+00	32300	100	26.2	0.0	0.0	85	0	0	839	184	0	0	654
324+00	32400	100	26.7	0.0	0.0	98	0	0	937	184	0	0	752
325+00	32500	100	29.2	0.0	0.0	104	0	0	1040	184	0	0	856
326+00	32600	100	26.8	0.0	0.0	104	0	0	1144	184	0	0	960
327+00	32700	100	34.2	0.0	0.0	113	0	0	1257	184	0	0	1073
328+00	32800	100	33.7	0.0	0.0	126	0	0	1383	184	0	0	1198
329+00	32900	100	32.8	0.0	0.0	123	0	0	1506	184	0	0	1321
330+00	33000	100	36.5	0.0	0.0	128	0	0	1634	184	0	0	1450
331+00	33100	100	30.0	0.0	0.0	123	0	0	1757	184	0	0	1573
332+00	33200	100	31.4	0.0	0.0	114	0	0	1871	184	0	0	1687
333+00	33300	100	32.7	0.0	0.0	119	0	0	1990	184	0	0	1805
334+00	33400	100	21.4	0.0	0.0	100	0	0	2090	184	0	0	1906
335+00	33500	100	25.9	0.0	0.0	88	0	0	2178	184	0	0	1993
336+00	33600	100	16.3	0.0	0.0	78	0	0	2256	184	0	0	2071
337+00	33700	100	15.2	0.0	0.0	58	0	0	2314	184	0	0	2130
338+00	33800	100	17.6	0.0	0.0	61	0	0	2375	184	0	0	2190
339+00	33900	100	16.5	0.0	0.0	63	0	0	2438	184	0	0	2254
340+00	34000	100	12.5	0.0	0.0	54	0	0	2492	184	0	0	2307
341+00	34100	100	15.0	0.0	0.0	51	0	0	2543	184	0	0	2358
342+00	34200	100	5.5	0.0	0.0	38	0	0	2581	184	0	0	2396
343+00	34300	100	11.8	0.0	0.0	32	0	0	2613	184	0	0	2428
344+00	34400	100	8.0	0.0	0.0	37	0	0	2649	184	0	0	2465
345+00	34500	100	5.4	0.0	0.0	25	0	0	2674	184	0	0	2490
346+00	34600	100	12.4	0.0	0.0	33	0	0	2707	184	0	0	2523
347+00	34700	100	4.2	0.0	0.0	31	0	0	2738	184	0	0	2553
348+00	34800	100	12.7	0.0	0.0	31	0	0	2769	184	0	0	2585
349+00	34900	100	12.7	0.0	0.0	47	0	0	2816	184	0	0	2632
350+00	35000	100	3.3	0.0	0.0	30	0	0	2846	184	0	0	2661
351+00	35100	100	1.3	1.0	0.0	9	2	0	2854	187	0	0	2668
352+00	35200	100	5.9	0.0	0.0	13	2	0	2868	189	0	0	2679
353+00	35300	100	5.3	0.0	0.0	21	0	0	2888	189	0	0	2699
353+59	35380	80	7.3	0.0	0.0	19	0	0	2907	189	0	0	2718
				Column totals		2907	157	0					

DIVISION 6 - IH 94 WESTBOUND CONTINUED

STATION	Real Station	Distance	AREA (SF) Cut	AREA (SF) Fill	AREA (SF) EBS	Incremental Vol (CY) (Unadjusted) Cut Note 1	Incremental Vol (CY) (Unadjusted) Fill Note 2	Incremental Vol (CY) (Unadjusted) EBS	Cumulative Vol (CY) Cut 1.00 Note 1	Expanded Fill 1.20	Expanded EBS Backfill 1.30 Note 3	Reduced EBS In Fill 0.80 Note 4	Mass Ordinate Note 5
355+03	35503		4.8	0.0	0.0	0	0	0	0	0	0	0	0
356+00	35600	97	8.5	0.0	0.0	24	0	0	24	0	0	0	24
357+00	35700	100	7.3	0.0	0.0	29	0	0	53	0	0	0	53
358+00	35800	100	2.5	0.0	0.0	18	0	0	71	0	0	0	71
359+00	35900	100	6.0	0.0	0.0	16	0	0	87	0	0	0	87
360+00	36000	100	22.4	0.0	0.0	53	0	0	140	0	0	0	140
361+00	36100	100	26.7	0.0	0.0	91	0	0	231	0	0	0	231
362+00	36200	100	23.3	0.0	0.0	93	0	0	323	0	0	0	323
363+00	36300	100	21.9	0.0	0.0	84	0	0	407	0	0	0	407
364+00	36400	100	21.0	0.0	0.0	79	0	0	486	0	0	0	486
365+00	36500	100	21.0	0.0	0.0	78	0	0	564	0	0	0	564
366+00	36600	100	16.9	0.0	0.0	70	0	0	634	0	0	0	634
367+00	36700	100	15.2	0.0	0.0	59	0	0	694	0	0	0	694
368+00	36800	100	15.7	0.0	0.0	57	0	0	751	0	0	0	751
369+00	36900	100	12.2	0.0	0.0	52	0	0	803	0	0	0	803
370+00	37000	100	9.1	0.0	0.0	39	0	0	842	0	0	0	842
371+00	37100	100	10.0	0.0	0.0	35	0	0	877	0	0	0	877
372+00	37200	100	12.0	0.0	0.0	41	0	0	918	0	0	0	918
373+00	37300	100	16.1	0.0	0.0	52	0	0	970	0	0	0	970
374+00	37400	100	12.9	0.0	0.0	54	0	0	1024	0	0	0	1024
375+00	37500	100	15.4	0.0	0.0	52	0	0	1076	0	0	0	1076
376+00	37600	100	14.5	0.0	0.0	55	0	0	1132	0	0	0	1132
377+00	37700	100	13.1	0.0	0.0	51	0	0	1183	0	0	0	1183
378+00	37800	100	9.4	0.0	0.0	42	0	0	1224	0	0	0	1224
379+00	37900	100	6.5	0.0	0.0	29	0	0	1254	0	0	0	1254
380+00	38000	100	8.1	0.0	0.0	27	0	0	1281	0	0	0	1281
381+00	38100	100	5.5	0.0	0.0	25	0	0	1306	0	0	0	1306
382+00	38200	100	8.1	0.0	0.0	25	0	0	1331	0	0	0	1331
383+00	38300	100	8.5	0.0	0.0	31	0	0	1362	0	0	0	1362
384+00	38400	100	9.2	0.0	0.0	33	0	0	1395	0	0	0	1395
385+00	38500	100	1.9	0.1	0.0	21	0	0	1415	0	0	0	1415
386+00	38600	100	4.0	0.0	0.0	11	0	0	1426	0	0	0	1426
387+00	38700	100	4.7	0.0	0.0	16	0	0	1442	0	0	0	1442
388+00	38800	100	5.7	0.0	0.0	19	0	0	1462	0	0	0	1461
389+00	38900	100	7.5	0.0	0.0	24	0	0	1486	0	0	0	1486
390+00	39000	100	13.0	0.0	0.0	38	0	0	1524	0	0	0	1524
391+00	39100	100	11.1	0.0	0.0	45	0	0	1569	0	0	0	1568
392+00	39200	100	7.7	0.0	0.0	35	0	0	1604	0	0	0	1603
393+00	39300	100	6.7	0.0	0.0	27	0	0	1630	0	0	0	1630
394+00	39400	100	3.5	0.0	0.0	19	0	0	1649	0	0	0	1649
395+00	39500	100	11.1	0.0	0.0	27	0	0	1676	0	0	0	1676
396+00	39600	100	11.6	0.0	0.0	42	0	0	1718	0	0	0	1718
397+00	39700	100	14.9	0.0	0.0	49	0	0	1767	0	0	0	1767
398+00	39800	100	17.6	0.0	0.0	60	0	0	1827	0	0	0	1827
399+00	39900	100	1.9	0.0	0.0	36	0	0	1864	0	0	0	1863
400+00	40000	100	4.3	0.0	0.0	11	0	0	1875	0	0	0	1875
401+00	40100	100	45.4	0.0	0.0	92	0	0	1967	0	0	0	1967
402+00	40200	100	5.6	0.0	0.0	94	0	0	2061	0	0	0	2061
403+00	40300	100	2.9	0.0	0.0	16	0	0	2077	0	0	0	2077
404+00	40400	100	2.3	0.0	0.0	10	0	0	2087	0	0	0	2086
		Column totals				2087	0	0					

DIVISION 6 - IH 94 WESTBOUND CONTINUED

STATION	Real Station	Distance	AREA (SF) Cut	AREA (SF) Fill	AREA (SF) EBS	Incremental Vol (CY) (Unadjusted) Cut Note 1	Incremental Vol (CY) (Unadjusted) Fill Note 2	Incremental Vol (CY) (Unadjusted) EBS	Cumulative Vol (CY) Cut 1.00 Note 1	Expanded Fill 1.20	Expanded EBS Backfill 1.30 Note 3	Reduced EBS In Fill 0.80 Note 4	Mass Ordinate Note 5
410+00	41000		0.0	0.0	0.0	0	0	0	0	0	0	0	0
411+00	41100	100	0.0	150.0	0.0	0	278	0	0	333	0	0	-333
412+00	41200	100	0.0	0.0	0.0	0	278	0	0	667	0	0	-667
453+00	45300	0	0.1	0.0	0.0	0	0	0	0	667	0	0	-667
454+00	45400	100	0.0	30.8	0.0	0	57	0	0	735	0	0	-735
455+00	45500	100	22.1	0.0	0.0	41	57	0	41	804	0	0	-762
456+00	45600	100	80.5	0.0	0.0	190	0	0	231	804	0	0	-572
457+00	45700	100	39.7	0.0	0.0	223	0	0	454	804	0	0	-350
458+00	45800	100	28.5	0.0	0.0	126	0	0	580	804	0	0	-224
459+00	45900	100	30.3	0.0	0.0	109	0	0	689	804	0	0	-115
460+00	46000	100	19.6	0.0	0.0	92	0	0	781	804	0	0	-22
461+00	46100	100	19.7	0.0	0.0	73	0	0	854	804	0	0	51
462+00	46200	100	20.3	0.0	0.0	74	0	0	928	804	0	0	125
463+00	46300	100	17.5	0.0	0.0	70	0	0	998	804	0	0	195
464+00	46400	100	15.6	0.0	0.0	61	0	0	1059	804	0	0	256
465+00	46500	100	13.5	0.0	0.0	54	0	0	1113	804	0	0	310
466+00	46600	100	6.6	0.0	0.0	37	0	0	1151	804	0	0	347
467+00	46700	100	4.5	0.0	0.0	21	0	0	1171	804	0	0	368
468+00	46800	100	15.7	0.0	0.0	37	0	0	1209	804	0	0	405
469+00	46900	100	12.6	0.0	0.0	52	0	0	1261	804	0	0	457
470+00	47000	100	14.7	0.0	0.0	51	0	0	1311	804	0	0	508
471+00	47100	100	12.6	0.0	0.0	51	0	0	1362	804	0	0	558
472+00	47200	100	30.1	0.4	0.0	79	1	0	1441	804	0	0	637
473+00	47300	100	34.2	0.0	0.0	119	1	0	1560	805	0	0	755
474+00	47400	100	38.9	0.0	0.0	135	0	0	1696	805	0	0	890
475+00	47500	100	37.0	0.0	0.0	141	0	0	1836	805	0	0	1031
476+00	47600	100	43.2	0.0	0.0	149	0	0	1985	805	0	0	1179
477+00	47700	100	44.7	0.0	0.0	163	0	0	2147	805	0	0	1342
478+00	47800	100	46.0	0.0	0.0	168	0	0	2315	805	0	0	1510
479+00	47900	100	40.8	0.0	0.0	161	0	0	2476	805	0	0	1671
480+00	48000	100	37.7	0.0	0.0	145	0	0	2621	805	0	0	1816
481+00	48100	100	33.3	0.0	0.0	131	0	0	2753	805	0	0	1948
482+00	48200	100	25.2	0.0	0.0	108	0	0	2861	805	0	0	2056
483+00	48300	100	23.1	0.0	0.0	89	0	0	2951	805	0	0	2145
484+00	48400	100	43.4	0.0	0.0	123	0	0	3074	805	0	0	2269
485+00	48500	100	33.4	0.0	0.0	142	0	0	3216	805	0	0	2411
486+00	48600	100	36.7	0.0	0.0	130	0	0	3346	805	0	0	2541
487+00	48700	100	42.7	0.0	0.0	147	0	0	3493	805	0	0	2688
488+00	48800	100	52.4	0.0	0.0	176	0	0	3669	805	0	0	2864
489+00	48900	100	57.8	0.0	0.0	204	0	0	3873	805	0	0	3068
				Column totals		3873	671	0					

DIVISION 6 - TEMPORARY CROSSOVER EAST OF STH 37 (REMOVAL)

STATION	Real Station	Distance	AREA (SF) Cut	AREA (SF) Fill	AREA (SF) EBS	Incremental Vol (CY) (Unadjusted) Cut Note 1	Incremental Vol (CY) (Unadjusted) Fill Note 2	Incremental Vol (CY) (Unadjusted) EBS	Cumulative Vol (CY) Cut 1.00 Note 1	Cumulative Vol (CY) Expanded Fill 1.20	Cumulative Vol (CY) Expanded EBS Backfill 1.30 Note 3	Cumulative Vol (CY) Reduced EBS In Fill 0.80 Note 4	Mass Ordinate Note 5
280+42	28042		0.0	0.0	0.0	0	0	0	0	0	0	0	0
280+50	28050	8	0.0	0.0	0.0	0	0	0	0	0	0	0	0
281+00	28100	50	0.0	0.0	0.0	0	0	0	0	0	0	0	0
281+50	28150	50	0.0	0.0	0.0	0	0	0	0	0	0	0	0
282+00	28200	50	0.0	0.0	0.0	0	0	0	0	0	0	0	0
282+50	28250	50	0.0	0.0	0.0	0	0	0	0	0	0	0	0
283+00	28300	50	0.0	0.0	0.0	0	0	0	0	0	0	0	0
283+05	28305	5	0.0	0.0	0.0	0	0	0	0	0	0	0	0
283+50	28350	45	0.0	0.0	0.0	0	0	0	0	0	0	0	0
284+00	28400	50	0.0	0.0	0.0	0	0	0	0	0	0	0	0
284+50	28450	50	0.0	0.0	0.0	0	0	0	0	0	0	0	0
285+00	28500	50	0.0	0.0	0.0	0	0	0	0	0	0	0	0
285+22	28522	22	0.0	0.0	0.0	0	0	0	0	0	0	0	0
285+50	28550	28	0.0	0.0	0.0	0	0	0	0	0	0	0	0
286+00	28600	50	0.0	0.0	0.0	0	0	0	0	0	0	0	0
286+50	28650	50	0.0	0.0	0.0	0	0	0	0	0	0	0	0
287+00	28700	50	0.0	0.0	0.0	0	0	0	0	0	0	0	0
287+50	28750	50	0.0	0.0	0.0	0	0	0	0	0	0	0	0
287+94	28794	44	2.5	0.0	0.0	2	0	0	2	0	0	0	2
288+00	28800	6	4.2	0.0	0.0	1	0	0	3	0	0	0	3
288+50	28850	50	5.3	0.0	0.0	9	0	0	12	0	0	0	12
289+00	28900	50	6.1	0.0	0.0	11	0	0	22	0	0	0	22
289+50	28950	50	7.7	0.0	0.0	13	0	0	35	0	0	0	35
290+00	29000	50	8.0	0.0	0.0	15	0	0	49	0	0	0	49
290+50	29050	50	0.6	0.0	0.0	8	0	0	57	0	0	0	57
291+00	29100	50	2.5	0.0	0.0	3	0	0	60	0	0	0	60
291+50	29150	50	2.8	0.0	0.0	5	0	0	65	0	0	0	65
291+98	29198	48	6.7	0.0	0.0	8	0	0	74	0	0	0	74
292+00	29200	2	7.0	0.0	0.0	1	0	0	74	0	0	0	74
292+12	29212	12	8.6	0.0	0.0	3	0	0	78	0	0	0	78
292+50	29250	38	8.7	0.0	0.0	12	0	0	90	0	0	0	90
293+00	29300	50	7.9	0.0	0.0	15	0	0	105	0	0	0	105
293+50	29350	50	5.2	0.0	0.0	12	0	0	117	0	0	0	117
294+00	29400	50	0.7	0.0	0.0	5	0	0	123	0	0	0	123
294+50	29450	50	0.0	0.0	0.0	1	0	0	123	0	0	0	123
295+00	29500	50	1.3	0.0	0.0	1	0	0	125	0	0	0	125
295+50	29550	50	5.3	0.0	0.0	6	0	0	131	0	0	0	131
295+98	29598	48	13.9	0.0	0.0	17	0	0	148	0	0	0	148
296+00	29600	2	13.4	0.0	0.0	1	0	0	149	0	0	0	149
296+50	29650	50	4.3	0.0	0.0	16	0	0	165	0	0	0	165
297+00	29700	50	0.2	0.0	0.0	4	0	0	169	0	0	0	169
297+50	29750	50	0.0	0.0	0.0	0	0	0	170	0	0	0	170
298+00	29800	50	0.0	0.0	0.0	0	0	0	170	0	0	0	170
298+50	29850	50	0.0	0.0	0.0	0	0	0	170	0	0	0	170
298+71	29871	21	0.0	0.0	0.0	0	0	0	170	0	0	0	170
			Column totals			170	0	0					

DIVISION 6 - IH 94 TEMPORARY EASTBOUND WIDENING (REMOVAL)

STATION	Real Station	Distance	AREA (SF) Cut	AREA (SF) Fill	AREA (SF) EBS	Incremental Vol (CY) (Unadjusted) Cut Note 1	Incremental Vol (CY) (Unadjusted) Fill Note 2	Incremental Vol (CY) (Unadjusted) EBS	Cumulative Vol (CY) Cut 1.00 Note 1	Expanded Fill 1.20	Expanded EBS Backfill 1.30 Note 3	Reduced EBS In Fill 0.80 Note 4	Mass Ordinate Note 5
300+60	30060		0.1	0.0	0.0	0	0	0	0	0	0	0	0
301+00	30100	40	0.0	0.0	0.0	0	0	0	0	0	0	0	0
302+00	30200	100	11.3	0.0	0.0	21	0	0	21	0	0	0	21
303+00	30300	100	18.2	0.0	0.0	55	0	0	76	0	0	0	76
304+00	30400	100	26.0	0.0	0.0	82	0	0	157	0	0	0	157
305+00	30500	100	34.7	0.0	0.0	112	0	0	270	0	0	0	270
306+00	30600	100	26.5	0.0	0.0	113	0	0	383	0	0	0	383
307+00	30700	100	15.1	0.0	0.0	77	0	0	460	0	0	0	460
308+00	30800	100	0.0	0.0	0.0	28	0	0	488	0	0	0	488
309+00	30900	100	21.5	0.0	0.0	40	0	0	528	0	0	0	528
310+00	31000	100	14.1	0.0	0.0	66	0	0	594	0	0	0	594
311+00	31100	100	11.0	0.0	0.0	46	0	0	640	0	0	0	640
312+00	31200	100	12.6	0.0	0.0	44	0	0	684	0	0	0	684
313+00	31300	100	9.7	0.0	0.0	41	0	0	725	0	0	0	725
314+00	31400	100	6.7	0.0	0.0	30	0	0	756	0	0	0	756
315+00	31500	100	10.3	0.0	0.0	31	0	0	787	0	0	0	787
316+00	31600	100	10.6	0.0	0.0	39	0	0	826	0	0	0	826
317+00	31700	100	8.6	0.0	0.0	36	0	0	862	0	0	0	862
318+00	31800	100	7.0	0.0	0.0	29	0	0	890	0	0	0	890
319+00	31900	100	13.3	0.0	0.0	38	0	0	928	0	0	0	928
320+00	32000	100	19.1	0.0	0.0	60	0	0	988	0	0	0	988
321+00	32100	100	21.8	0.0	0.0	76	0	0	1064	0	0	0	1064
322+00	32200	100	22.1	0.0	0.0	81	0	0	1145	0	0	0	1145
323+00	32300	100	19.0	0.0	0.0	76	0	0	1221	0	0	0	1221
324+00	32400	100	21.7	0.0	0.0	75	0	0	1297	0	0	0	1297
325+00	32500	100	30.0	0.0	0.0	96	0	0	1392	0	0	0	1392
326+00	32600	100	32.7	0.0	0.0	116	0	0	1508	0	0	0	1508
327+00	32700	100	29.5	0.0	0.0	115	0	0	1624	0	0	0	1624
328+00	32800	100	27.4	0.0	0.0	105	0	0	1729	0	0	0	1729
329+00	32900	100	25.3	0.0	0.0	98	0	0	1827	0	0	0	1827
330+00	33000	100	20.0	0.0	0.0	84	0	0	1910	0	0	0	1910
331+00	33100	100	23.0	0.0	0.0	80	0	0	1990	0	0	0	1990
332+00	33200	100	23.4	0.0	0.0	86	0	0	2076	0	0	0	2076
333+00	33300	100	27.5	0.0	0.0	94	0	0	2170	0	0	0	2170
334+00	33400	100	31.0	0.0	0.0	108	0	0	2279	0	0	0	2279
335+00	33500	100	28.3	0.0	0.0	110	0	0	2388	0	0	0	2388
336+00	33600	100	28.3	0.0	0.0	105	0	0	2493	0	0	0	2493
337+00	33700	100	31.8	0.0	0.0	111	0	0	2605	0	0	0	2605
338+00	33800	100	31.2	0.0	0.0	117	0	0	2721	0	0	0	2721
339+00	33900	100	28.5	0.0	0.0	111	0	0	2832	0	0	0	2832
340+00	34000	100	25.9	0.0	0.0	101	0	0	2932	0	0	0	2932
341+00	34100	100	22.7	0.0	0.0	90	0	0	3022	0	0	0	3022
342+00	34200	100	26.7	0.0	0.0	91	0	0	3114	0	0	0	3114
343+00	34300	100	25.4	0.0	0.0	96	0	0	3210	0	0	0	3210
344+00	34400	100	27.6	0.0	0.0	98	0	0	3309	0	0	0	3309
345+00	34500	100	23.9	0.0	0.0	95	0	0	3404	0	0	0	3404
346+00	34600	100	16.9	0.0	0.0	76	0	0	3480	0	0	0	3480
347+00	34700	100	20.6	0.0	0.0	69	0	0	3549	0	0	0	3549
348+00	34800	100	11.1	0.0	0.0	59	0	0	3608	0	0	0	3608
349+00	34900	100	8.3	0.0	0.0	36	0	0	3644	0	0	0	3644
350+00	35000	100	1.5	0.0	0.0	18	0	0	3662	0	0	0	3662
351+00	35100	100	9.7	0.0	0.0	21	0	0	3682	0	0	0	3682
352+00	35200	100	10.1	0.0	0.0	37	0	0	3719	0	0	0	3719
353+00	35300	100	0.0	0.0	0.0	19	0	0	3738	0	0	0	3738
354+00	35400	100	1.1	0.0	0.0	2	0	0	3740	0	0	0	3740
355+00	35500	100	0.0	0.0	0.0	2	0	0	3742	0	0	0	3742
356+00	35600	100	0.8	0.0	0.0	1	0	0	3743	0	0	0	3743
357+00	35700	100	2.3	0.0	0.0	6	0	0	3749	0	0	0	3749
358+00	35800	100	1.8	0.0	0.0	8	0	0	3757	0	0	0	3757
359+00	35900	100	5.9	0.0	0.0	14	0	0	3771	0	0	0	3771
360+00	36000	100	5.7	0.0	0.0	21	0	0	3792	0	0	0	3792
361+00	36100	100	5.0	0.0	0.0	20	0	0	3812	0	0	0	3812
362+00	36200	100	1.8	0.0	0.0	13	0	0	3825	0	0	0	3825
363+00	36300	100	4.8	0.0	0.0	12	0	0	3837	0	0	0	3837
364+00	36400	100	5.0	0.0	0.0	18	0	0	3855	0	0	0	3855
365+00	36500	100	3.9	0.0	0.0	16	0	0	3872	0	0	0	3872
366+00	36600	100	5.3	0.0	0.0	17	0	0	3889	0	0	0	3889
367+00	36700	100	8.7	0.0	0.0	26	0	0	3915	0	0	0	3915
368+00	36800	100	9.9	0.0	0.0	34	0	0	3949	0	0	0	3949
369+00	36900	100	16.4	0.0	0.0	49	0	0	3998	0	0	0	3998
370+00	37000	100	20.2	0.0	0.0	68	0	0	4066	0	0	0	4066
371+00	37100	100	16.2	0.0	0.0	67	0	0	4133	0	0	0	4133
372+00	37200	100	18.4	0.0	0.0	64	0	0	4197	0	0	0	4197
373+00	37300	100	12.2	0.0	0.0	57	0	0	4254	0	0	0	4254
374+00	37400	100	23.2	0.0	0.0	66	0	0	4319	0	0	0	4319
375+00	37500	100	32.4	0.0	0.0	103	0	0	4422	0	0	0	4422
376+00	37600	100	34.3	0.0	0.0	124	0	0	4546	0	0	0	4546
377+00	37700	100	39.3	0.0	0.0	136	0	0	4682	0	0	0	4682
378+00	37800	100	43.3	0.0	0.0	153	0	0	4835	0	0	0	4835
379+00	37900	100	55.4	0.0	0.0	183	0	0	5018	0	0	0	5018
380+00	38000	100	54.5	0.0	0.0	204	0	0	5221	0	0	0	5221
Column totals						CONTINUED ON NEXT SHEET							

DIVISION 6 - IH 94 TEMPORARY EASTBOUND WIDENING (REMOVALS CONTINUED)

STATION	Real Station	Distance	AREA (SF) Cut	AREA (SF) Fill	AREA (SF) EBS	Incremental Vol (CY) (Unadjusted) Cut Note 1	Incremental Vol (CY) (Unadjusted) Fill Note 2	Incremental Vol (CY) (Unadjusted) EBS	Cumulative Vol (CY) Cut 1.00 Note 1	Cumulative Vol (CY) Expanded Fill 1.20	Cumulative Vol (CY) Expanded EBS Backfill 1.30 Note 3	Cumulative Vol (CY) Reduced EBS In Fill 0.80 Note 4	Mass Ordinate Note 5
380+00	38000	0	54.5	0.0	0.0	44	204	0	7239	6266	0	0	974
381+00	38100	100	65.7	0.0	0.0	223	0	0	7462	6266	0	0	1196
382+00	38200	100	63.8	0.0	0.0	240	0	0	7702	6266	0	0	1436
383+00	38300	100	63.6	0.0	0.0	236	0	0	7937	6266	0	0	1672
384+00	38400	100	63.0	0.0	0.0	234	0	0	8172	6266	0	0	1906
385+00	38500	100	66.7	0.0	0.0	240	0	0	8412	6266	0	0	2146
386+00	38600	100	66.0	0.0	0.0	246	0	0	8658	6266	0	0	2392
387+00	38700	100	62.0	0.0	0.0	237	0	0	8895	6266	0	0	2629
388+00	38800	100	54.0	0.0	0.0	215	0	0	9110	6266	0	0	2844
389+00	38900	100	45.0	0.0	0.0	183	0	0	9293	6266	0	0	3027
390+00	39000	100	48.8	0.0	0.0	174	0	0	9467	6266	0	0	3201
391+00	39100	100	50.1	0.0	0.0	183	0	0	9650	6266	0	0	3384
392+00	39200	100	53.0	0.0	0.0	191	0	0	9841	6266	0	0	3575
393+00	39300	100	53.9	0.0	0.0	198	0	0	10039	6266	0	0	3773
394+00	39400	100	54.3	0.0	0.0	200	0	0	10239	6266	0	0	3974
395+00	39500	100	37.2	0.0	0.0	169	0	0	10409	6266	0	0	4143
396+00	39600	100	41.9	0.0	0.0	146	0	0	10555	6266	0	0	4289
397+00	39700	100	37.1	0.0	0.0	146	0	0	10701	6266	0	0	4436
398+00	39800	100	21.7	0.0	0.0	109	0	0	10810	6266	0	0	4545
399+00	39900	100	24.3	0.0	0.0	85	0	0	10895	6266	0	0	4630
400+00	40000	100	18.2	0.0	0.0	79	0	0	10974	6266	0	0	4709
401+00	40100	100	0.0	0.0	0.0	34	0	0	11008	6266	0	0	4742
402+00	40200	100	0.0	0.0	0.0	0	0	0	11008	6266	0	0	4742
403+00	40300	100	7.6	0.0	0.0	14	0	0	11022	6266	0	0	4756
404+00	40400	100	3.6	0.0	0.0	21	0	0	11043	6266	0	0	4777
405+00	40500	100	0.0	0.0	0.0	7	0	0	11049	6266	0	0	4784
406+00	40600	100	3.1	0.0	0.0	6	0	0	11055	6266	0	0	4789
407+00	40700	100	1.0	0.0	0.0	8	0	0	11063	6266	0	0	4797
408+00	40800	100	1731.9	0.0	0.0	3209	0	0	14272	6266	0	0	8006
409+00	40900	100	8.2	0.0	0.0	3222	0	0	17494	6266	0	0	11229
410+00	41000	100	6.2	0.0	0.0	27	0	0	17521	6266	0	0	11255
411+00	41100	100	24.7	0.0	0.0	57	0	0	17578	6266	0	0	11312
412+00	41200	100	25.4	0.0	0.0	93	0	0	17671	6266	0	0	11405
413+00	41300	100	17.2	0.0	0.0	79	0	0	17750	6266	0	0	11484
414+00	41400	100	3.5	0.0	0.0	38	0	0	17788	6266	0	0	11522
415+00	41500	100	2.8	0.0	0.0	12	0	0	17800	6266	0	0	11534
416+00	41600	100	0.2	0.0	0.0	6	0	0	17805	6266	0	0	11540
417+00	41700	100	3.4	0.0	0.0	7	0	0	17812	6266	0	0	11546
418+00	41800	100	3.6	0.0	0.0	13	0	0	17825	6266	0	0	11559
419+00	41900	100	5.3	0.0	0.0	16	0	0	17841	6266	0	0	11576
420+00	42000	100	7.3	0.0	0.0	23	0	0	17865	6266	0	0	11599
421+00	42100	100	8.1	0.0	0.0	29	0	0	17893	6266	0	0	11628
422+00	42200	100	6.8	0.0	0.0	28	0	0	17921	6266	0	0	11655
423+00	42300	100	8.8	0.0	0.0	29	0	0	17950	6266	0	0	11684
424+00	42400	100	9.9	0.0	0.0	35	0	0	17984	6266	0	0	11719
425+00	42500	100	4.5	0.0	0.0	27	0	0	18011	6266	0	0	11745
426+00	42600	100	4.3	0.0	0.0	16	0	0	18027	6266	0	0	11762
427+00	42700	100	9.7	0.0	0.0	26	0	0	18053	6266	0	0	11788
428+00	42800	100	6.4	0.0	0.0	30	0	0	18083	6266	0	0	11817
429+00	42900	100	5.3	0.0	0.0	22	0	0	18105	6266	0	0	11839
430+00	43000	100	8.4	0.0	0.0	25	0	0	18130	6266	0	0	11864
431+00	43100	100	6.0	0.0	0.0	27	0	0	18157	6266	0	0	11891
432+00	43200	100	9.4	0.0	0.0	29	0	0	18185	6266	0	0	11920
433+00	43300	100	12.9	0.0	0.0	41	0	0	18227	6266	0	0	11961
434+00	43400	100	0.0	0.0	0.0	24	0	0	18250	6266	0	0	11985
435+00	43500	100	70.6	0.0	0.0	131	0	0	18381	6266	0	0	12116
436+00	43600	100	112.2	0.0	0.0	339	0	0	18720	6266	0	0	12454
437+00	43700	100	99.1	0.0	0.0	391	0	0	19111	6266	0	0	12845
438+00	43800	100	91.7	0.0	0.0	353	0	0	19464	6266	0	0	13199
439+00	43900	100	79.9	0.0	0.0	318	0	0	19782	6266	0	0	13516
440+00	44000	100	60.2	0.0	0.0	259	0	0	20042	6266	0	0	13776
441+00	44100	100	40.0	0.0	0.0	186	0	0	20227	6266	0	0	13961
442+00	44200	100	43.4	0.0	0.0	154	0	0	20382	6266	0	0	14116
443+00	44300	100	48.7	0.0	0.0	171	0	0	20552	6266	0	0	14286
444+00	44400	100	27.2	0.0	0.0	141	0	0	20693	6266	0	0	14427
445+00	44500	100	25.5	0.0	0.0	98	0	0	20790	6266	0	0	14525
446+00	44600	100	37.2	0.0	0.0	116	0	0	20906	6266	0	0	14641
447+00	44700	100	31.9	0.0	0.0	128	0	0	21034	6266	0	0	14769
448+00	44800	100	20.7	0.0	0.0	97	0	0	21132	6266	0	0	14866
449+00	44900	100	22.7	0.0	0.0	80	0	0	21212	6266	0	0	14946
450+00	45000	100	20.4	0.0	0.0	80	0	0	21292	6266	0	0	15026
451+00	45100	100	5.7	0.0	0.0	48	0	0	21340	6266	0	0	15075
452+00	45200	100	2.5	0.0	0.0	15	0	0	21355	6266	0	0	15090
453+00	45300	100	23.2	0.0	0.0	48	0	0	21403	6266	0	0	15137
454+00	45400	100	32.2	0.0	0.0	103	0	0	21506	6266	0	0	15240
455+00	45500	100	19.0	0.0	0.0	95	0	0	21600	6266	0	0	15335
456+00	45600	100	0.0	0.0	0.0	35	0	0	21636	6266	0	0	15370
457+00	45700	100	1.9	0.0	0.0	4	0	0	21639	6266	0	0	15374
458+00	45800	100	4.2	0.0	0.0	11	0	0	21650	6266	0	0	15385
459+00	45900	100	1.3	0.0	0.0	10	0	0	21661	6266	0	0	15395
460+00	46000	100	1.8	0.0	0.0	6	0	0	21666	6266	0	0	15401
461+00	46100	100	2.6	0.0	0.0	8	0	0	21675	6266	0	0	15409
462+00	46200	100	0.9	0.0	0.0	6	0	0	21681	6266	0	0	15415
463+00	46300	100	2.7	0.0	0.0	7	0	0	21688	6266	0	0	15422
464+00	46400	100	3.4	0.0	0.0	11	0	0	21699	6266	0	0	15433
465+00	46500	100	7.5	0.0	0.0	20	0	0	21719	6266	0	0	15454
466+00	46600	100	7.9	0.0	0.0	29	0	0	21748	6266	0	0	15482
467+00	46700	100	1.4	0.0	0.0	17	0	0	21765	6266	0	0	15499
468+00	46800	100	0.0	0.0	0.0	3	0	0	21767	6266	0	0	15502
469+00	46900	100	0.0	0.0	0.0	0	0	0	21767	6266	0	0	15502
469+80	46980	80	0.0	0.0	0.0	0	0	0	21767	6266	0	0	15502
					Column totals	21767	5221	0					

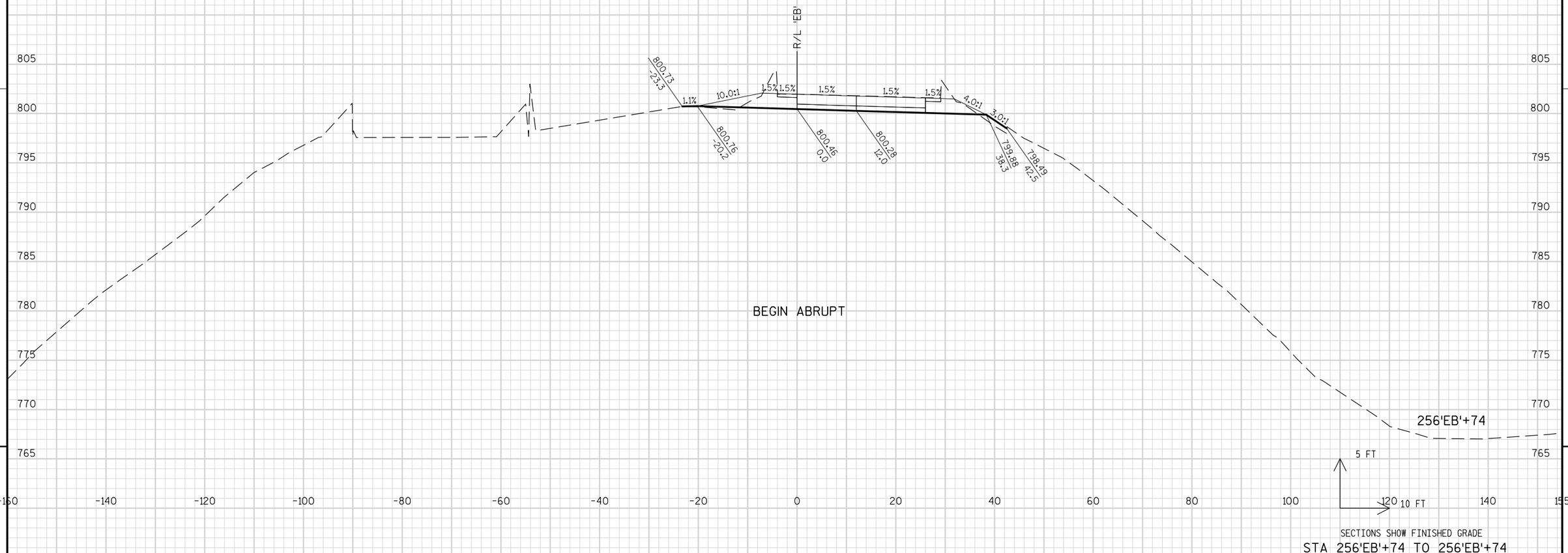
DIVISION 6 - TEMPORARY CROSSOVER EAST OF STH 93 (REMOVAL)

STATION	Real Station	Distance	AREA (SF) Cut	AREA (SF) Fill	AREA (SF) EBS	Incremental Vol (CY) (Unadjusted) Cut Note 1	Incremental Vol (CY) (Unadjusted) Fill Note 2	Incremental Vol (CY) (Unadjusted) EBS	Cumulative Vol (CY) Cut 1.00 Note 1	Expanded Fill 1.20	Expanded EBS Backfill 1.30 Note 3	Reduced EBS In Fill 0.80 Note 4	Mass Ordinate Note 5
471+27	47127		0.0	0.0	0.0	0	0	0	0	0	0	0	0
471+30	47130	3	0.0	0.0	0.0	0	0	0	0	0	0	0	0
471+50	47150	20	5.3	0.0	0.0	2	0	0	2	0	0	0	2
472+00	47200	50	8.0	0.0	0.0	12	0	0	14	0	0	0	14
472+50	47250	50	7.9	0.0	0.0	15	0	0	29	0	0	0	29
473+00	47300	50	6.0	0.0	0.0	13	0	0	42	0	0	0	42
473+50	47350	50	4.6	0.0	0.0	10	0	0	52	0	0	0	52
474+00	47400	50	0.0	0.0	0.0	4	0	0	56	0	0	0	56
474+50	47450	50	6.0	0.0	0.0	6	0	0	62	0	0	0	62
475+00	47500	50	3.7	0.0	0.0	9	0	0	70	0	0	0	70
475+50	47550	50	2.1	0.0	0.0	5	0	0	76	0	0	0	76
476+00	47600	50	0.5	0.0	0.0	2	0	0	78	0	0	0	78
476+50	47650	50	1.2	0.0	0.0	2	0	0	80	0	0	0	80
477+00	47700	50	0.2	0.0	0.0	1	0	0	81	0	0	0	81
477+50	47750	50	1.1	0.0	0.0	1	0	0	82	0	0	0	82
478+00	47800	50	0.4	0.0	0.0	1	0	0	84	0	0	0	84
478+50	47850	50	0.0	0.0	0.0	0	0	0	84	0	0	0	84
479+00	47900	50	15.3	0.0	0.0	14	0	0	98	0	0	0	98
479+50	47950	50	14.1	0.0	0.0	27	0	0	125	0	0	0	125
480+00	48000	50	9.5	0.0	0.0	22	0	0	147	0	0	0	147
480+50	48050	50	7.9	0.0	0.0	16	0	0	163	0	0	0	163
481+00	48100	50	7.2	0.0	0.0	14	0	0	177	0	0	0	177
481+50	48150	50	8.3	0.0	0.0	14	0	0	192	0	0	0	192
482+00	48200	50	6.4	0.0	0.0	14	0	0	205	0	0	0	205
482+50	48250	50	6.3	0.0	0.0	12	0	0	217	0	0	0	217
483+00	48300	50	4.8	0.0	0.0	10	0	0	227	0	0	0	227
483+49	48349	49	0.1	0.0	0.0	4	0	0	232	0	0	0	232
483+50	48350	1	0.1	0.0	0.0	0	0	0	232	0	0	0	232
483+57	48357	7	0.0	0.0	0.0	0	0	0	232	0	0	0	232
484+00	48400	43	0.0	0.0	0.0	0	0	0	232	0	0	0	232
484+50	48450	50	0.0	0.0	0.0	0	0	0	232	0	0	0	232
485+00	48500	50	0.0	0.0	0.0	0	0	0	232	0	0	0	232
485+50	48550	50	0.0	0.0	0.0	0	0	0	232	0	0	0	232
486+00	48600	50	0.0	0.0	0.0	0	0	0	232	0	0	0	232
486+50	48650	50	0.0	0.0	0.0	0	0	0	232	0	0	0	232
487+00	48700	50	0.0	0.0	0.0	0	0	0	232	0	0	0	232
487+44	48744	44	0.0	0.0	0.0	0	0	0	232	0	0	0	232
		Column totals				232	0	0					

DIVISION 6 - TEMPORARY CROSSOVER WEST OF USH 53 (REMOVAL)

STATION	Real Station	Distance	AREA (SF) Cut	AREA (SF) Fill	AREA (SF) EBS	Incremental Vol (CY) (Unadjusted) Cut Note 1	Incremental Vol (CY) (Unadjusted) Fill Note 2	Incremental Vol (CY) (Unadjusted) EBS	Cumulative Vol (CY) Cut 1.00 Note 1	Expanded Fill 1.20	Expanded EBS Backfill 1.30 Note 3	Reduced EBS In Fill 0.80 Note 4	Mass Ordinate Note 5
534+21	53421		0.1	0.0	0.0	0	0	0	0	0	0	0	0
534+50	53450	29	20.3	0.0	0.0	11	0	0	11	0	0	0	11
535+00	53500	50	16.5	0.0	0.0	34	0	0	45	0	0	0	45
535+50	53550	50	17.7	0.0	0.0	32	0	0	77	0	0	0	77
536+00	53600	50	20.4	0.0	0.0	35	0	0	112	0	0	0	112
536+50	53650	50	23.2	0.0	0.0	40	0	0	152	0	0	0	152
537+00	53700	50	26.7	0.0	0.0	46	0	0	199	0	0	0	199
537+50	53750	50	27.1	0.0	0.0	50	0	0	248	0	0	0	248
538+00	53800	50	27.4	0.0	0.0	50	0	0	299	0	0	0	299
538+50	53850	50	27.7	0.0	0.0	51	0	0	350	0	0	0	350
539+00	53900	50	27.4	0.0	0.0	51	0	0	401	0	0	0	401
539+50	53950	50	28.9	0.0	0.0	52	0	0	453	0	0	0	453
540+00	54000	50	25.9	0.0	0.0	51	0	0	504	0	0	0	504
540+50	54050	50	29.4	0.0	0.0	51	0	0	555	0	0	0	555
540+98	54098	48	25.2	0.0	0.0	49	0	0	603	0	0	0	603
541+00	54100	2	24.9	0.0	0.0	2	0	0	605	0	0	0	605
541+50	54150	50	15.6	0.0	0.0	38	0	0	643	0	0	0	643
541+92	54192	42	16.9	0.0	0.0	25	0	0	668	0	0	0	668
542+00	54200	8	17.4	0.0	0.0	5	0	0	673	0	0	0	673
542+50	54250	50	23.4	0.0	0.0	38	0	0	711	0	0	0	711
543+00	54300	50	28.9	0.0	0.0	48	0	0	759	0	0	0	759
543+50	54350	50	30.4	0.0	0.0	55	0	0	814	0	0	0	814
544+00	54400	50	26.2	0.0	0.0	52	0	0	867	0	0	0	867
544+50	54450	50	16.1	0.0	0.0	39	0	0	906	0	0	0	906
545+00	54500	50	12.7	0.0	0.0	27	0	0	933	0	0	0	933
545+50	54550	50	5.2	0.0	0.0	17	0	0	949	0	0	0	949
546+00	54600	50	1.6	0.0	0.0	6	0	0	955	0	0	0	955
546+50	54650	50	0.6	0.0	0.0	2	0	0	957	0	0	0	957
547+00	54700	50	0.4	0.0	0.0	1	0	0	958	0	0	0	958
547+50	54750	50	0.5	0.0	0.0	1	0	0	959	0	0	0	959
548+00	54800	50	0.0	0.0	0.0	0	0	0	960	0	0	0	960
548+50	54850	50	0.0	0.0	0.0	0	0	0	960	0	0	0	960
549+00	54900	50	0.0	0.0	0.0	0	0	0	960	0	0	0	960
549+05	54905	5	0.0	0.0	0.0	0	0	0	960	0	0	0	960
				Column totals		960	0	0					

IH 94 EB WORK STAGE 3

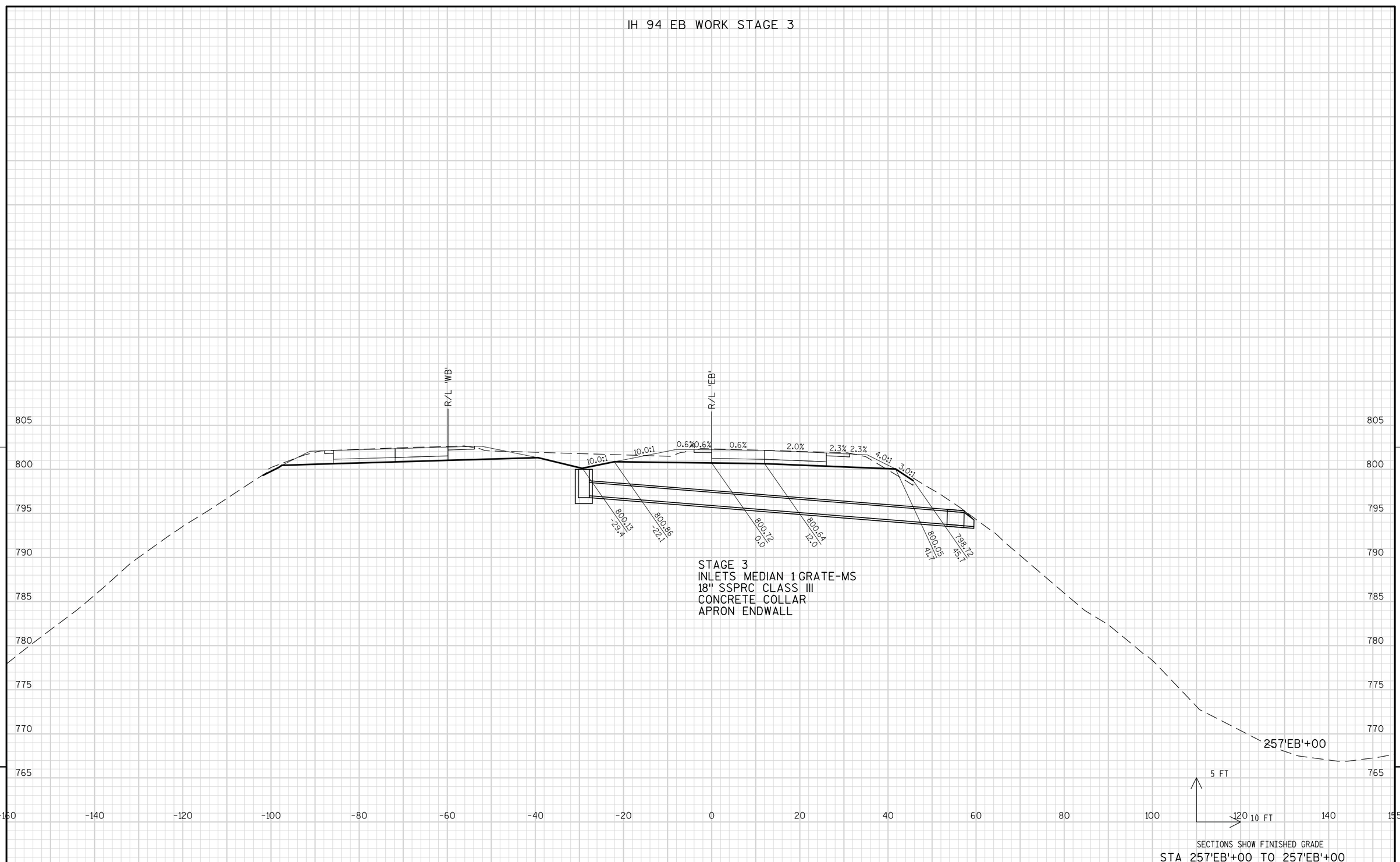


PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 EB	SHEET NO: 843	E

FILE NAME : CH_0803_090201_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

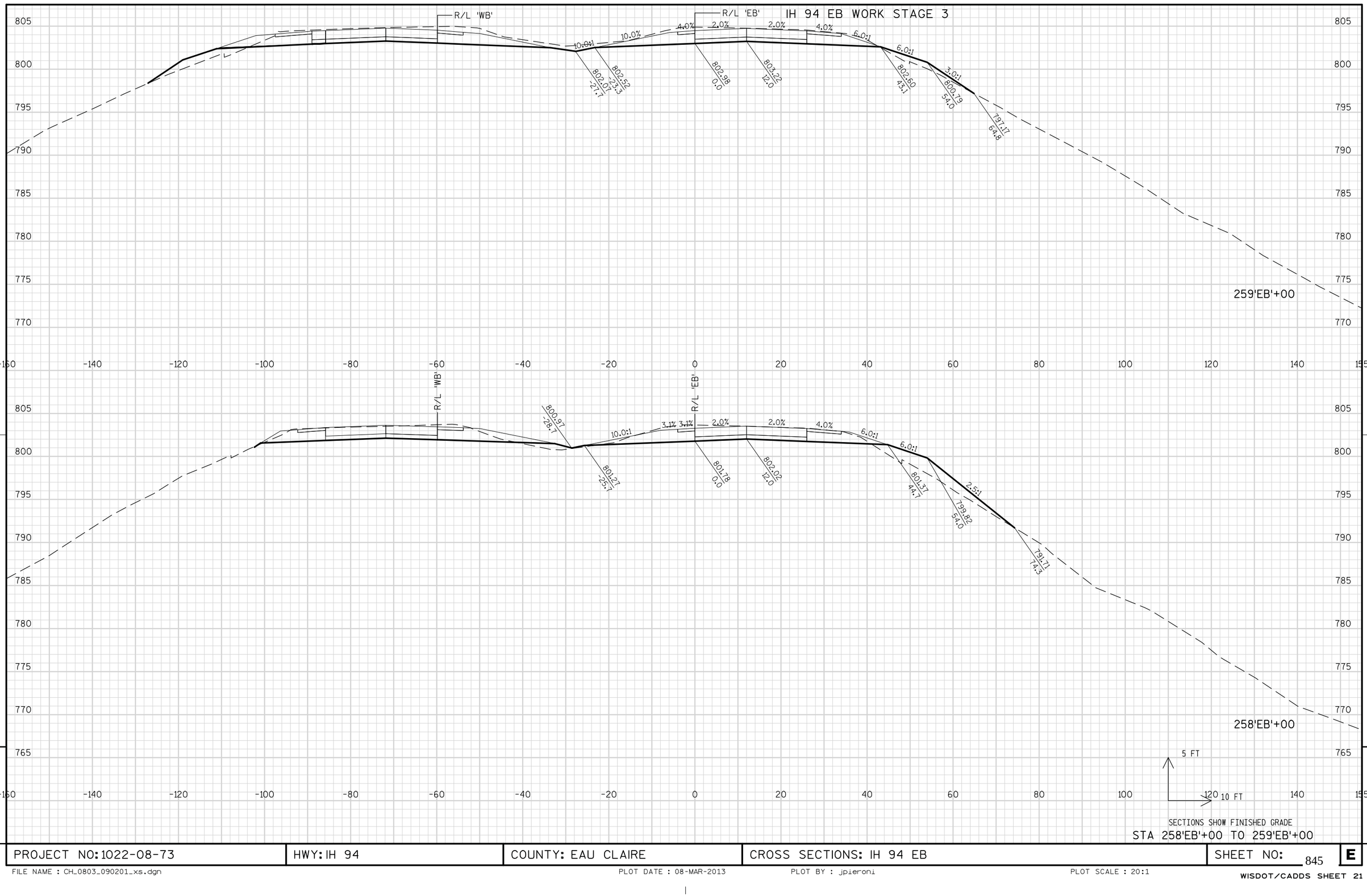
IH 94 EB WORK STAGE 3



PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 EB	SHEET NO: 844	E

FILE NAME : CH_0803_090201_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

IH 94 EB WORK STAGE 3

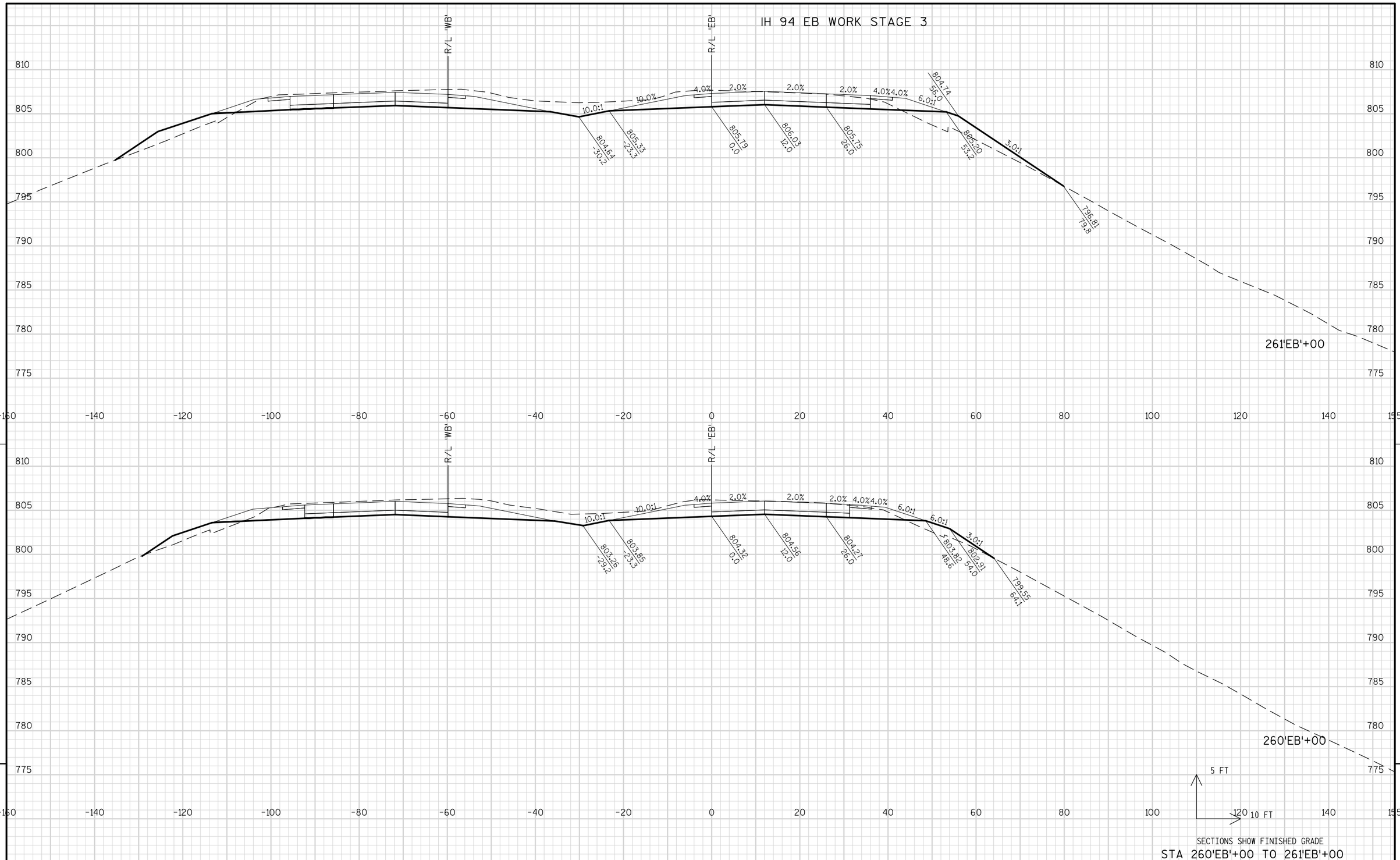


PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 EB	SHEET NO: 845	E

FILE NAME : CH_0803_090201_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

IH 94 EB WORK STAGE 3



SECTIONS SHOW FINISHED GRADE

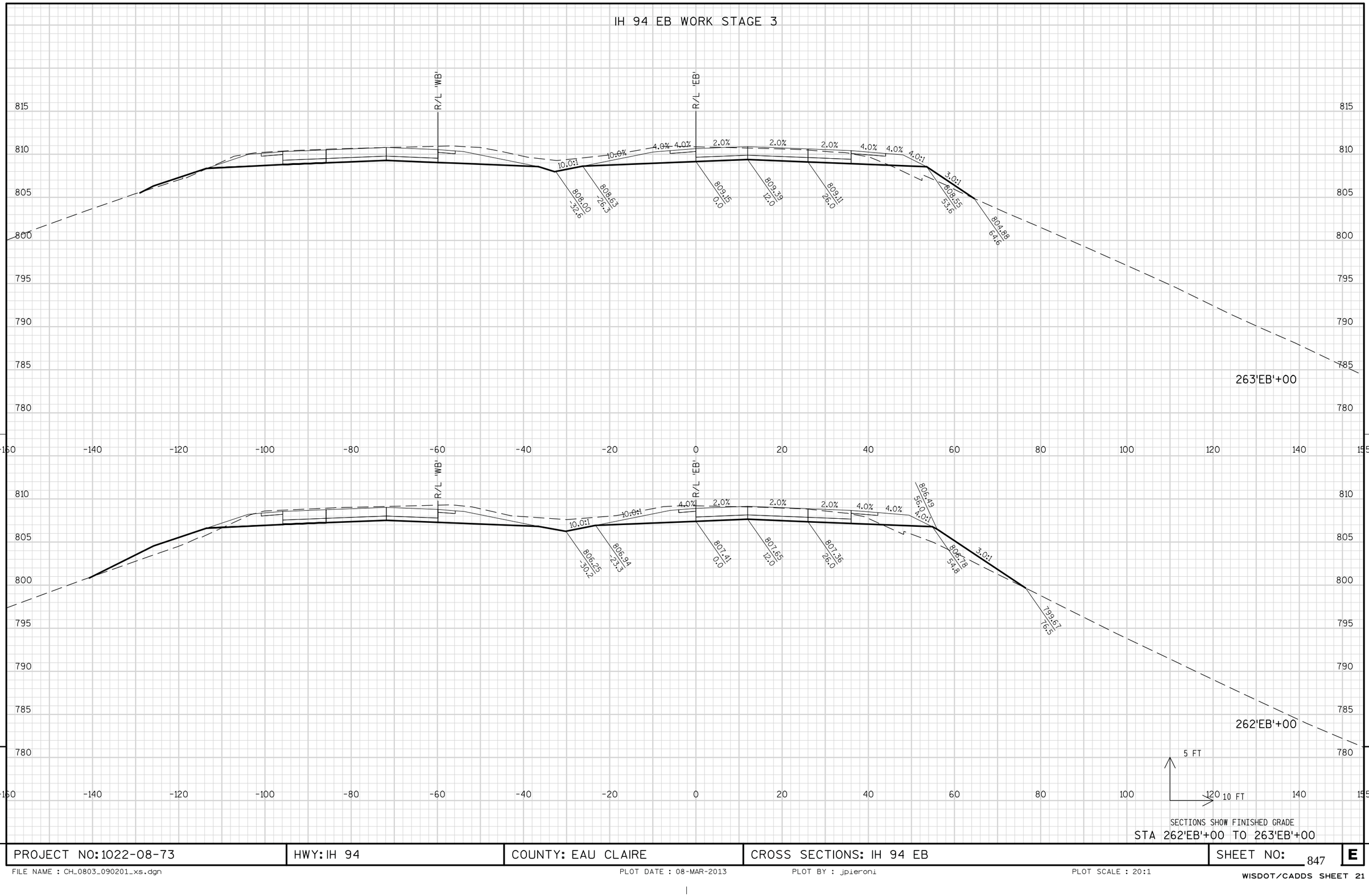
STA 260'EB'+00 TO 261'EB'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 EB	SHEET NO: 846	E

FILE NAME : CH_0803_090201_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

IH 94 EB WORK STAGE 3



SECTIONS SHOW FINISHED GRADE

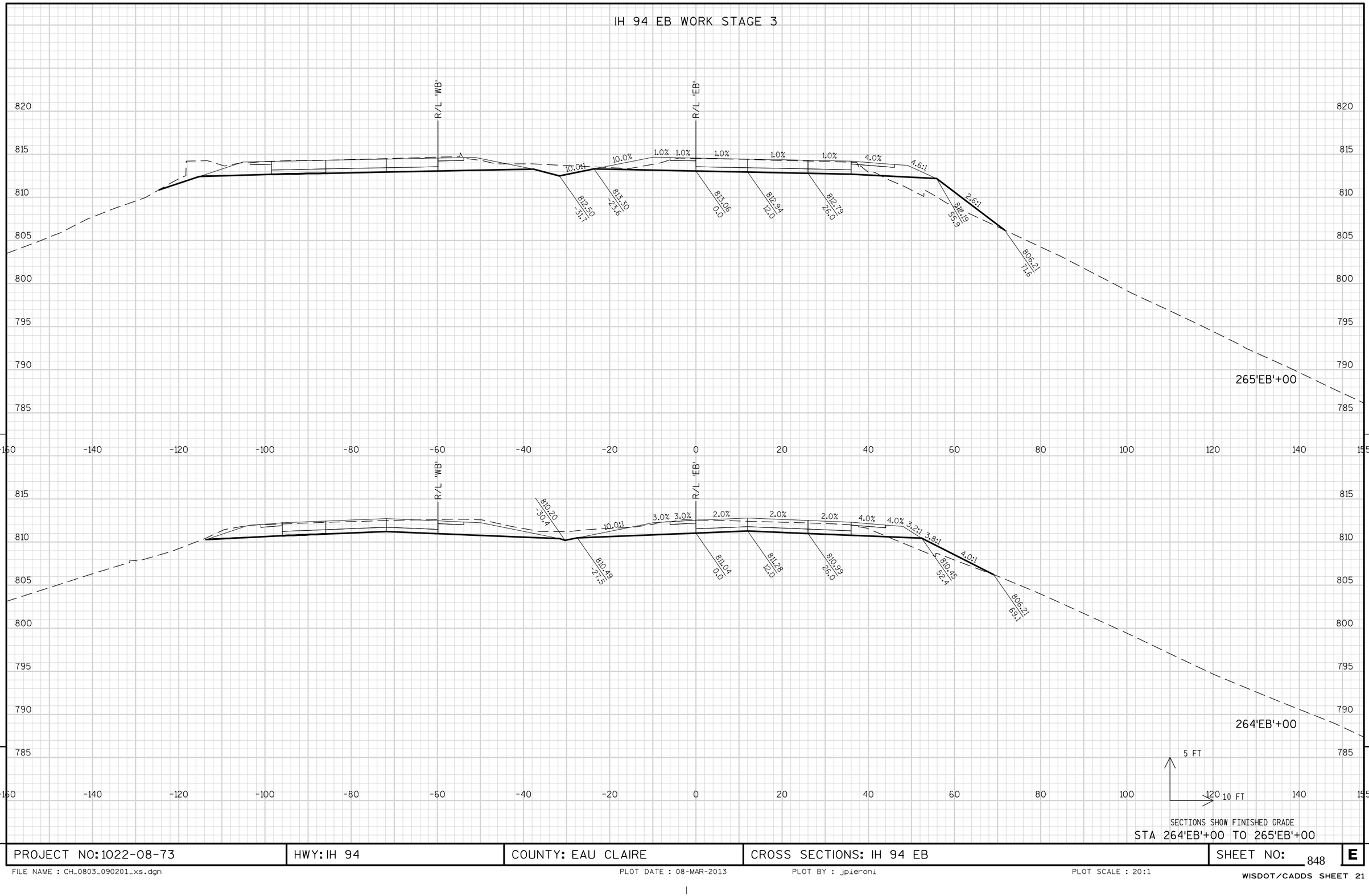
STA 262'EB'+00 TO 263'EB'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 EB	SHEET NO: 847	E

FILE NAME : CH_0803_090201_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

IH 94 EB WORK STAGE 3

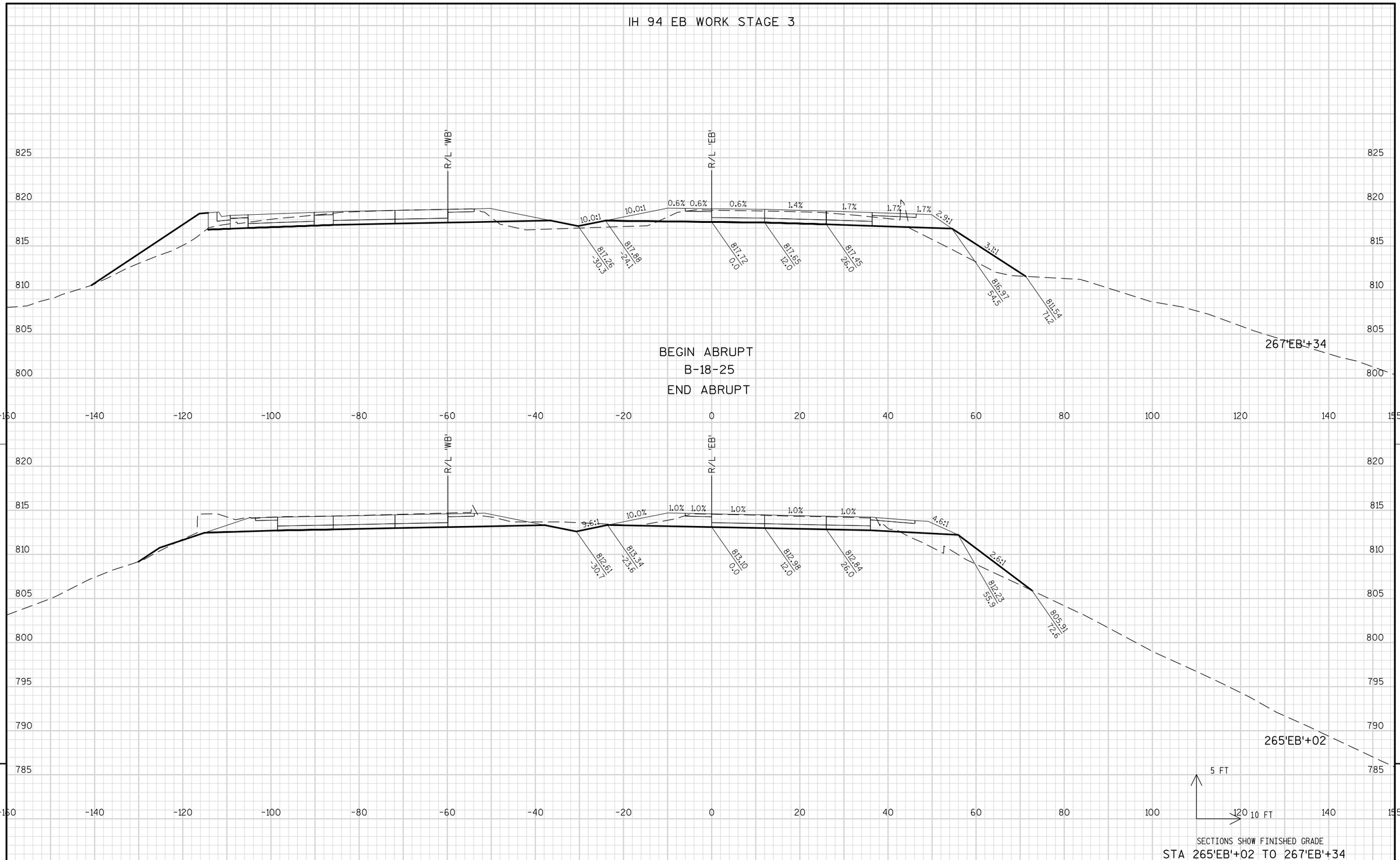


SECTIONS SHOW FINISHED GRADE

STA 264'EB'+00 TO 265'EB'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 EB	SHEET NO: 848	E

IH 94 EB WORK STAGE 3

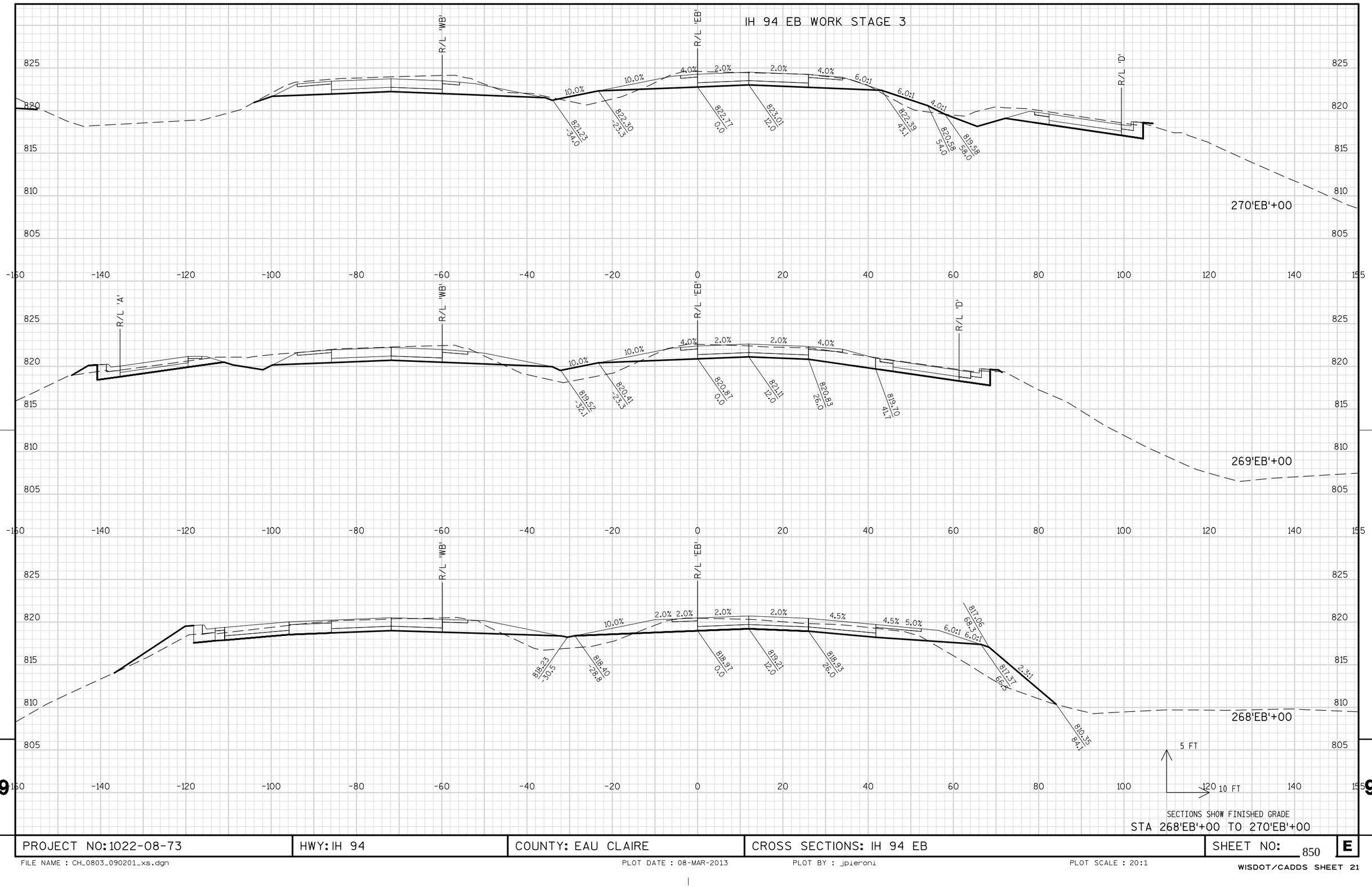


PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 EB	SHEET NO: 849	E

FILE NAME : CH_0803_090201_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

IH 94 EB WORK STAGE 3



SECTIONS SHOW FINISHED GRADE

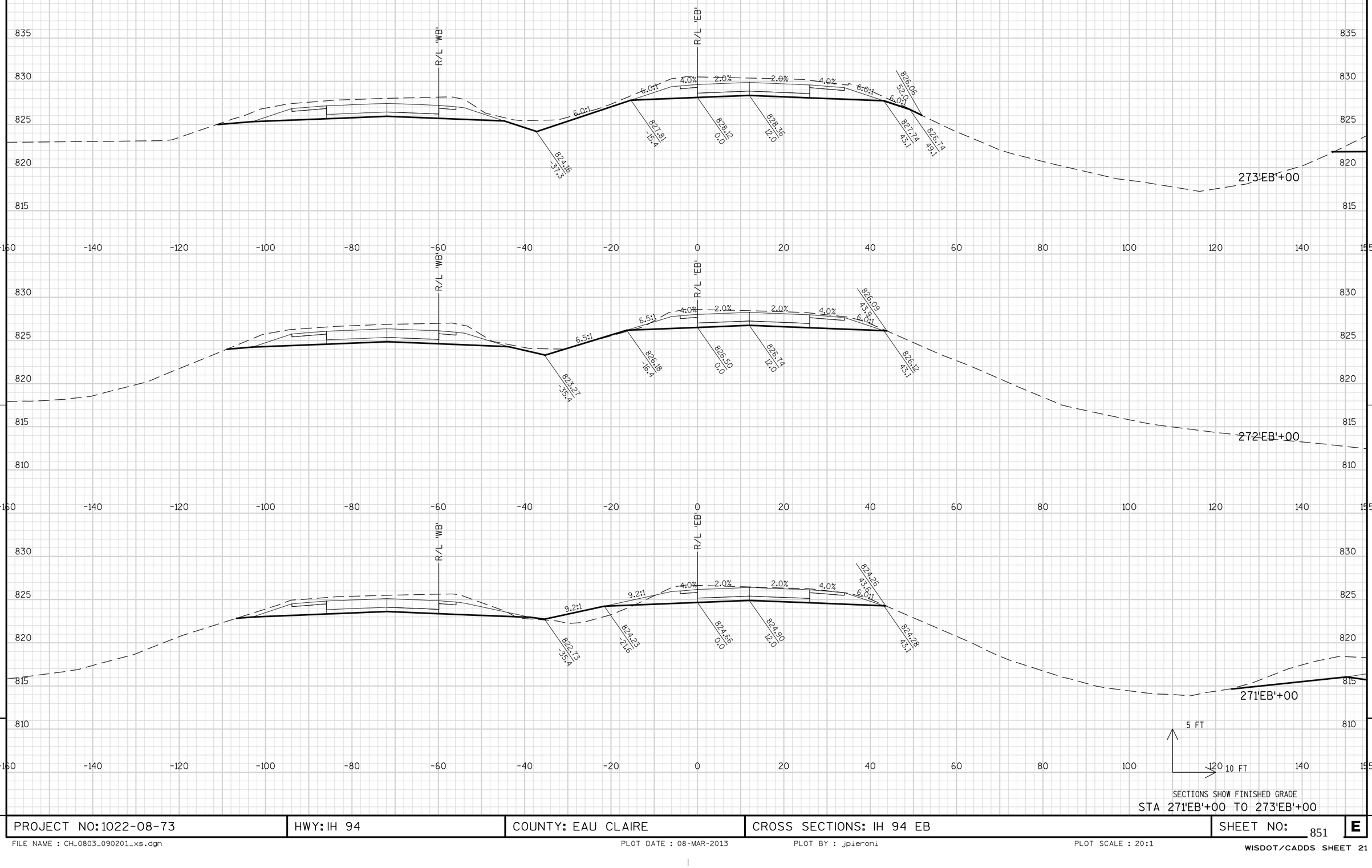
STA 268'EB'+00 TO 270'EB'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 EB	SHEET NO: 850	E

FILE NAME : CH_0803_090201_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

IH 94 EB WORK STAGE 3



SECTIONS SHOW FINISHED GRADE

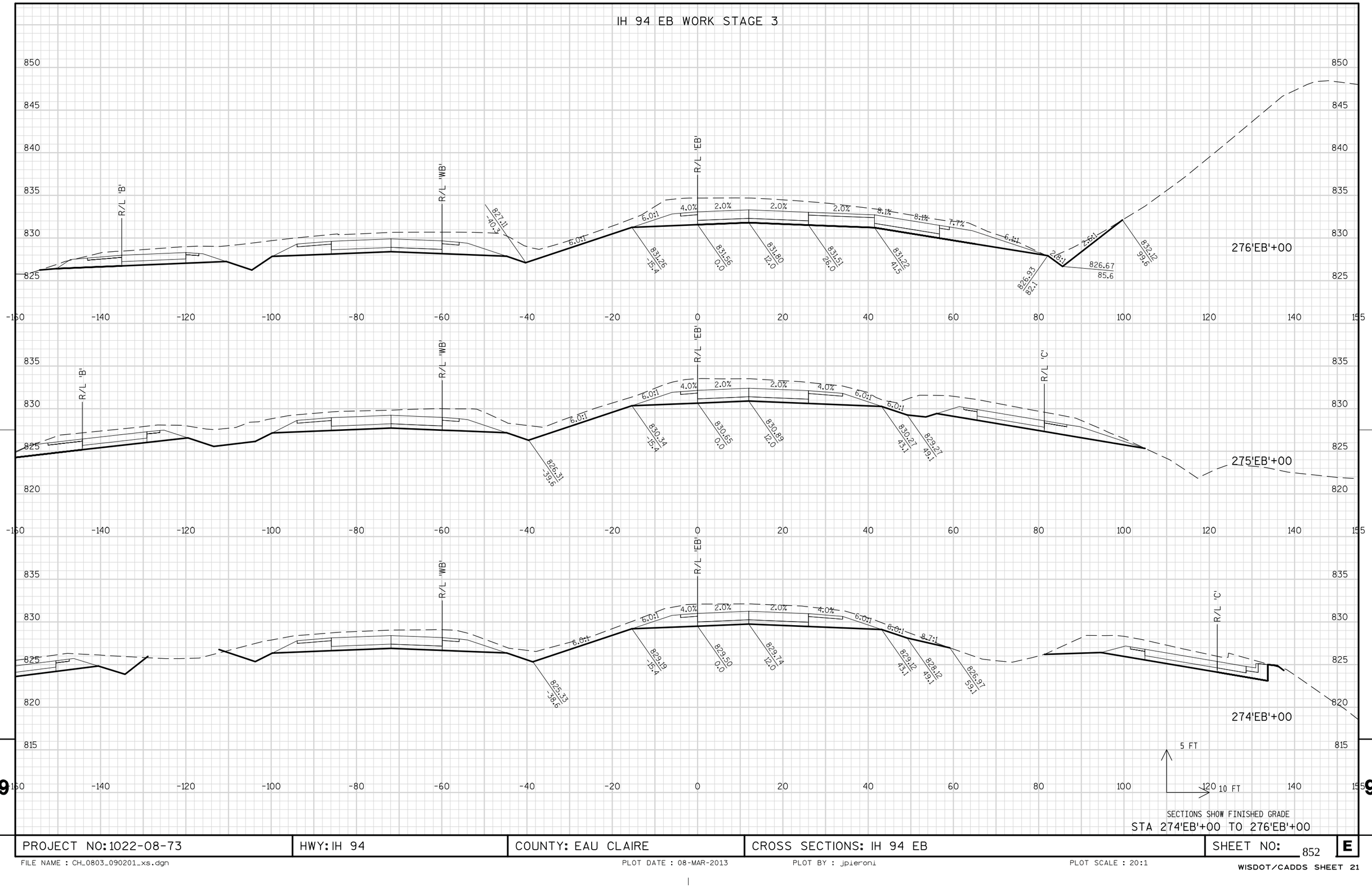
STA 271'EB'+00 TO 273'EB'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 EB	SHEET NO: 851	E

FILE NAME : CH_0803_090201_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

IH 94 EB WORK STAGE 3



SECTIONS SHOW FINISHED GRADE

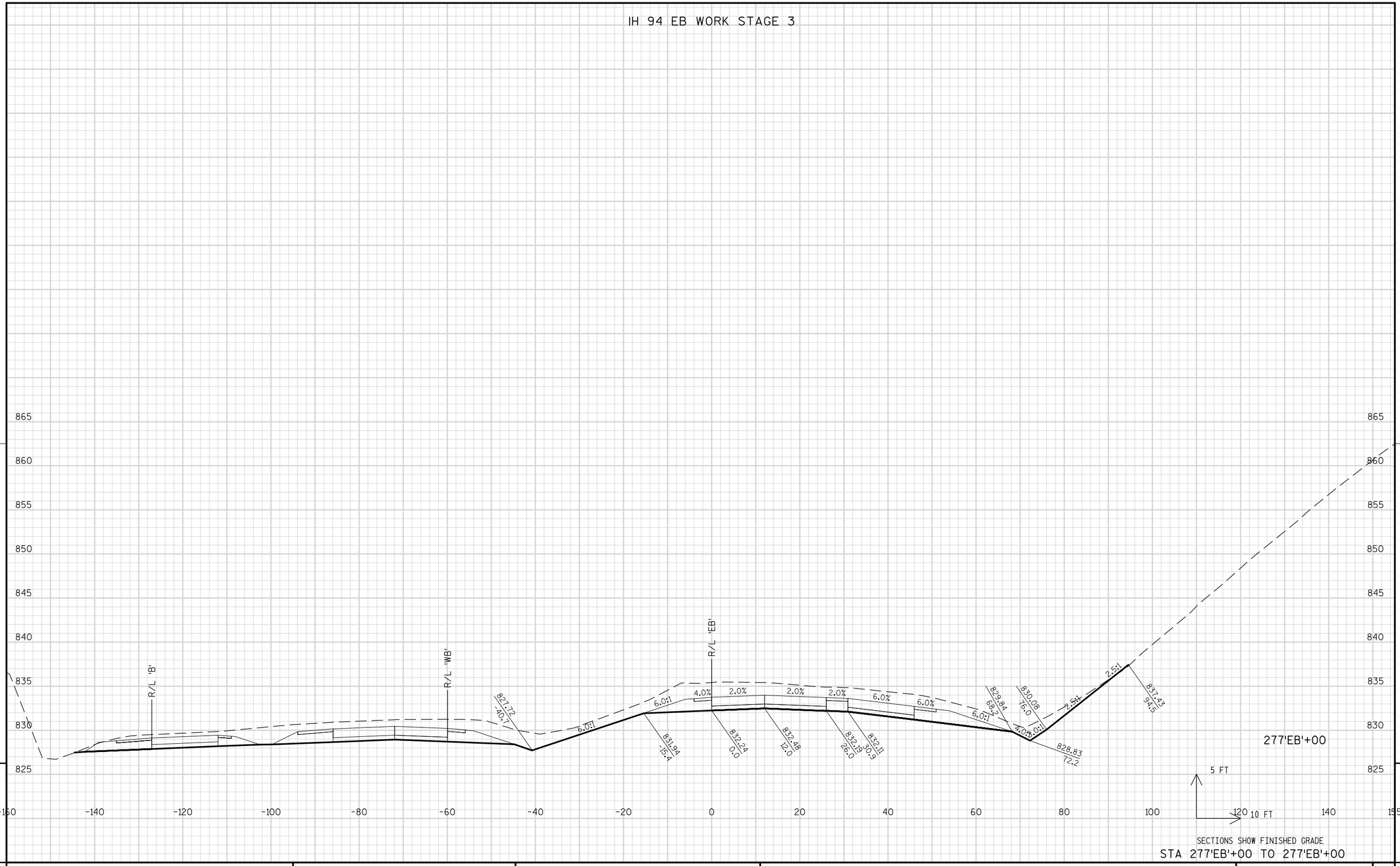
STA 274'EB'+00 TO 276'EB'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 EB	SHEET NO: 852	E

FILE NAME : CH_0803_090201_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

IH 94 EB WORK STAGE 3



SECTIONS SHOW FINISHED GRADE

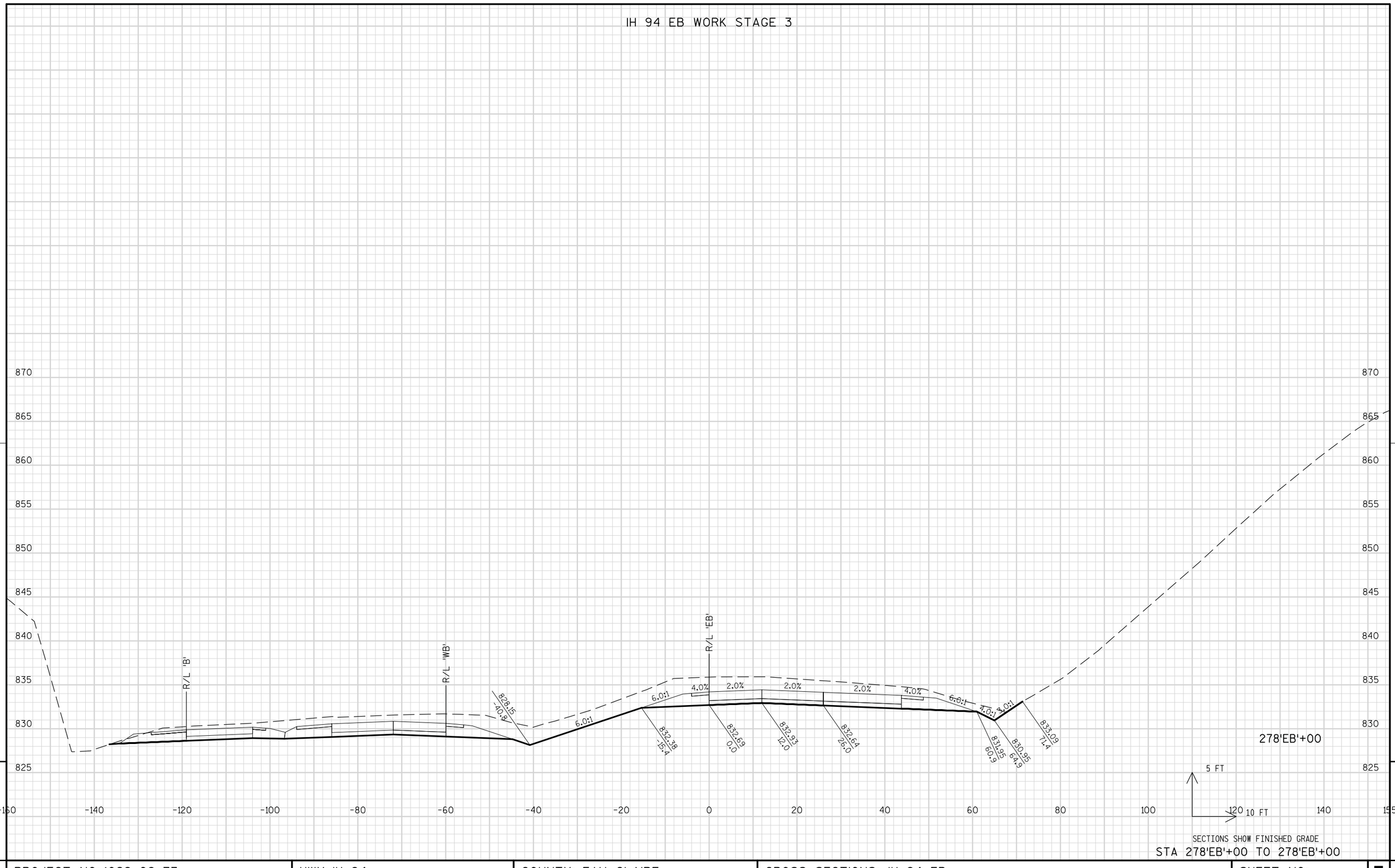
STA 277'EB'+00 TO 277'EB'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 EB	SHEET NO: 853	E

FILE NAME : CH_0803_090201_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

IH 94 EB WORK STAGE 3



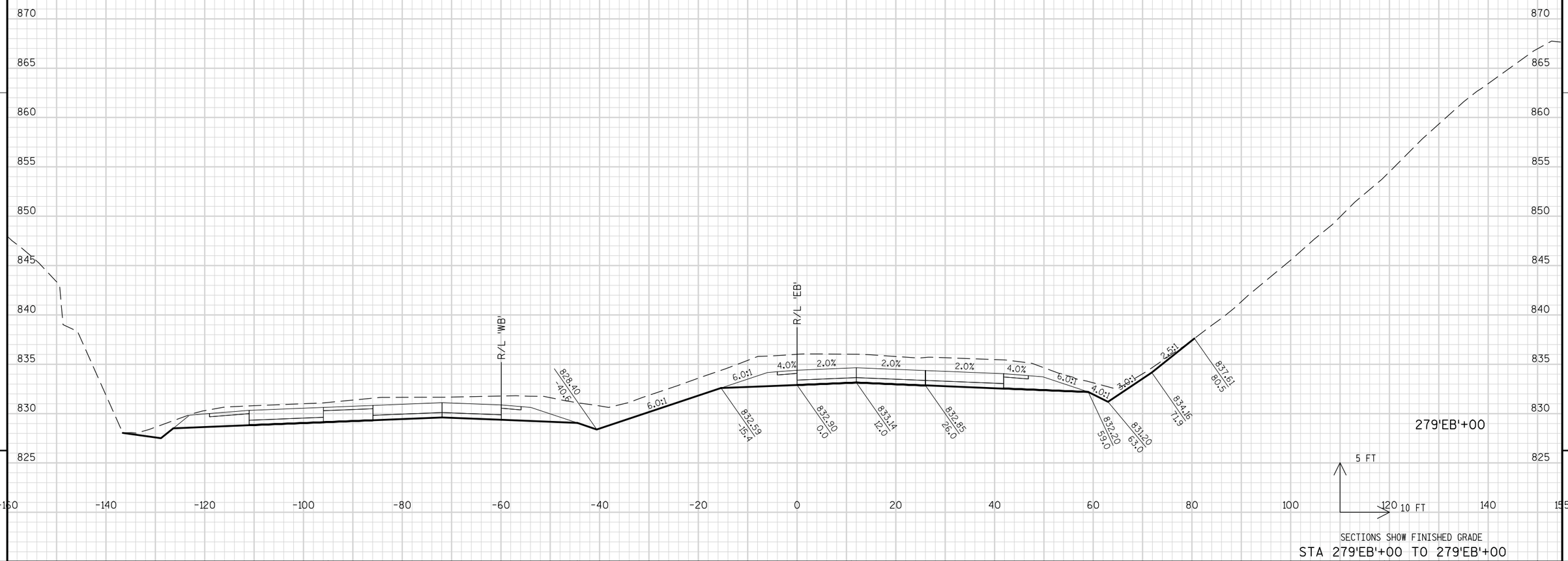
STA 278'EB'+00 TO 278'EB'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 EB	SHEET NO: 854	E

FILE NAME : CH_0803_090201_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

IH 94 EB WORK STAGE 3

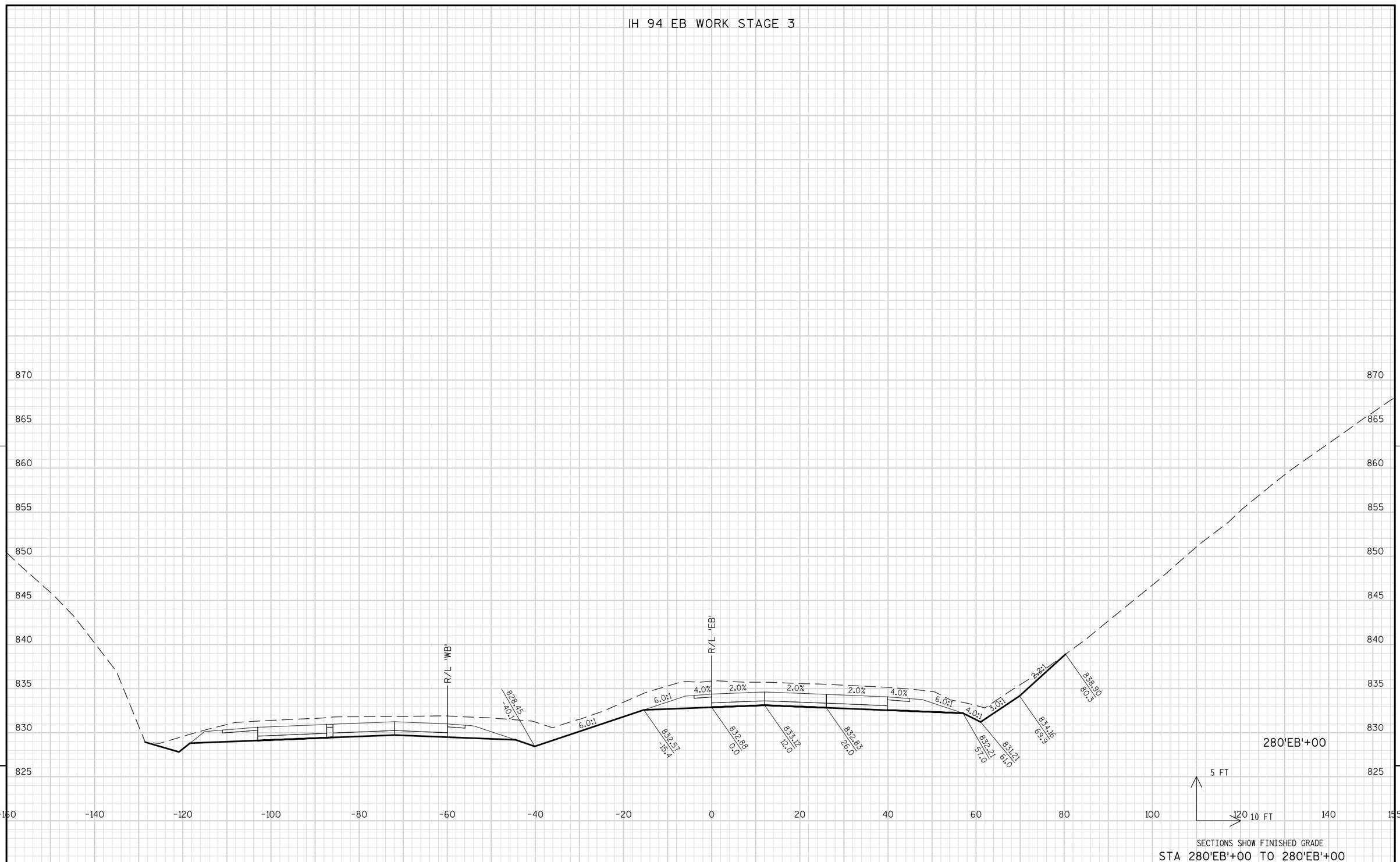


PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 EB	SHEET NO: 855	E

FILE NAME : CH_0803_090201_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

IH 94 EB WORK STAGE 3



SECTIONS SHOW FINISHED GRADE

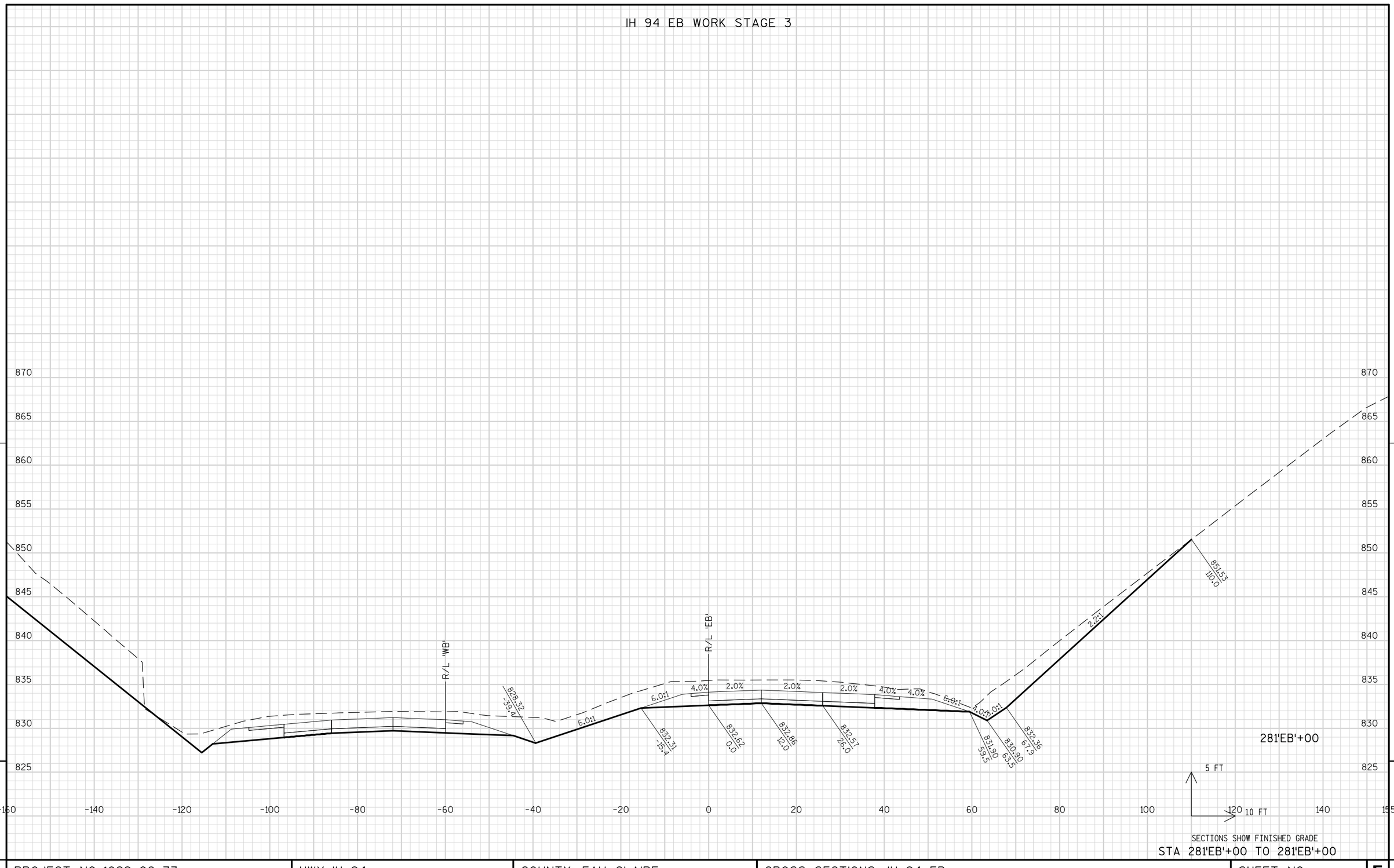
STA 280'EB'+00 TO 280'EB'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 EB	SHEET NO: 856	E

FILE NAME : CH_0803_090201_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

IH 94 EB WORK STAGE 3



SECTIONS SHOW FINISHED GRADE

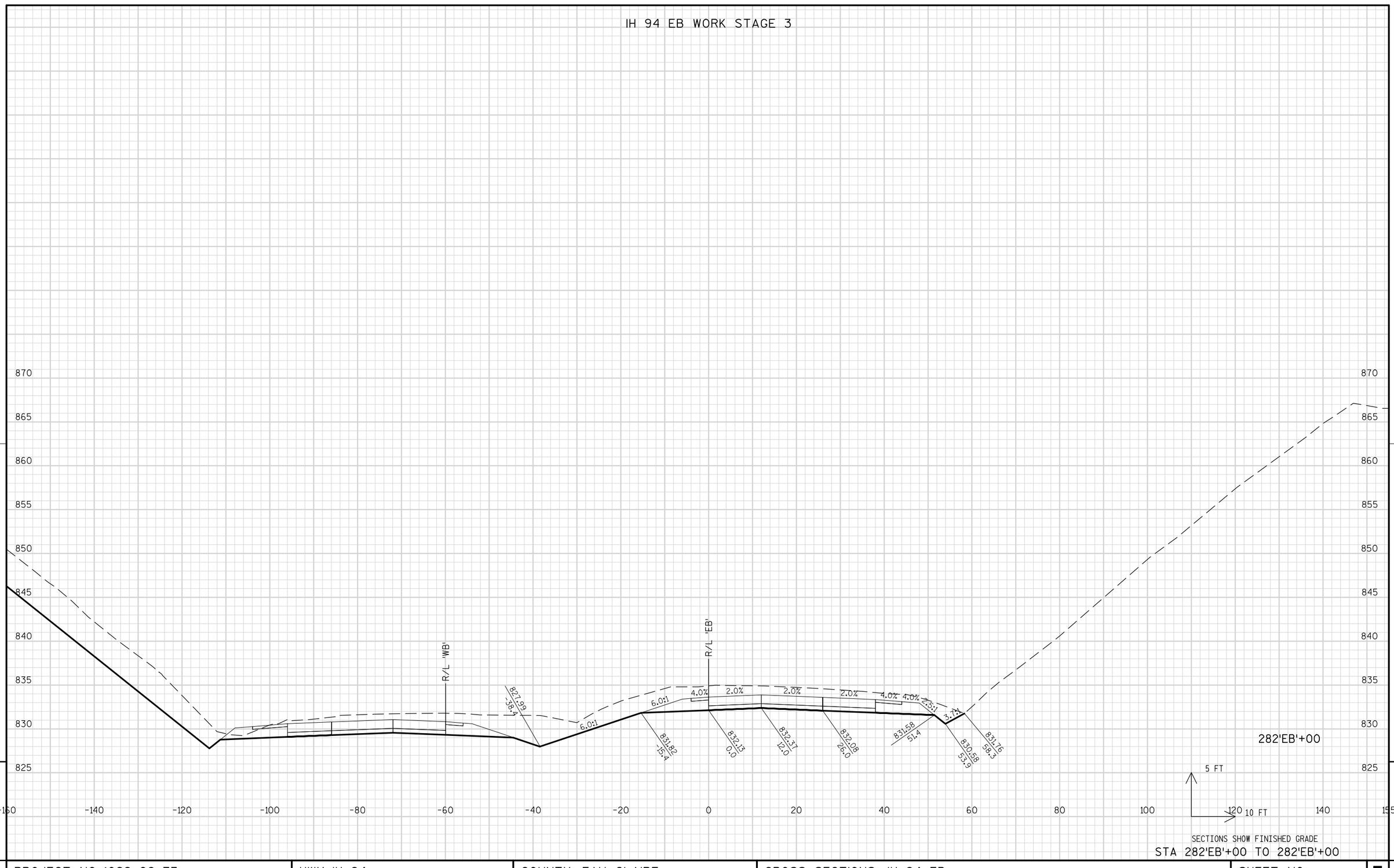
STA 281'EB'+00 TO 281'EB'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 EB	SHEET NO: 857 E

FILE NAME : CH_0803_090201_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

IH 94 EB WORK STAGE 3

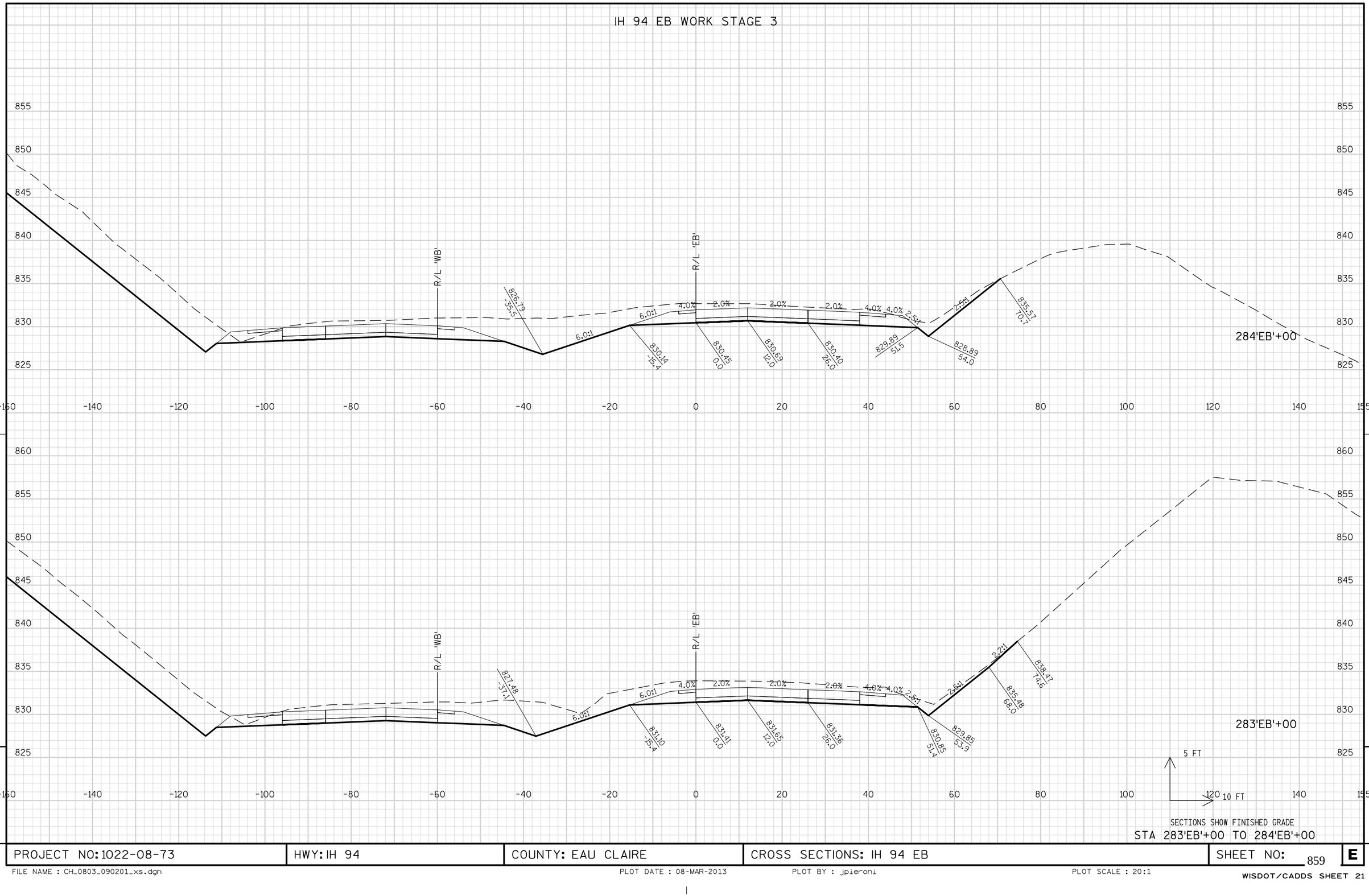


PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 EB	SHEET NO: 858	E

FILE NAME : CH_0803_090201_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

IH 94 EB WORK STAGE 3

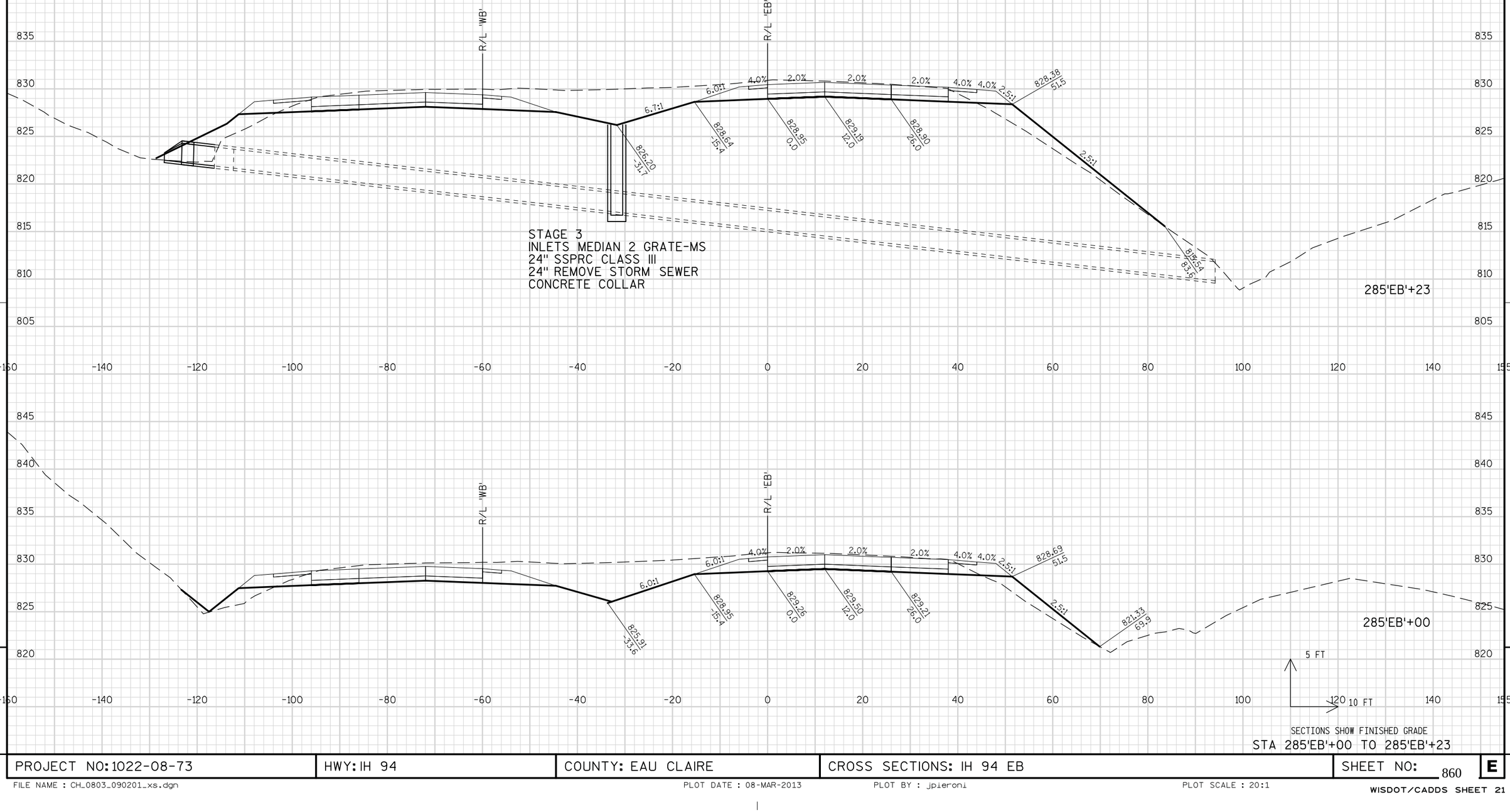


PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 EB	SHEET NO: 859 E

FILE NAME : CH_0803_090201_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

IH 94 EB WORK STAGE 3



SECTIONS SHOW FINISHED GRADE

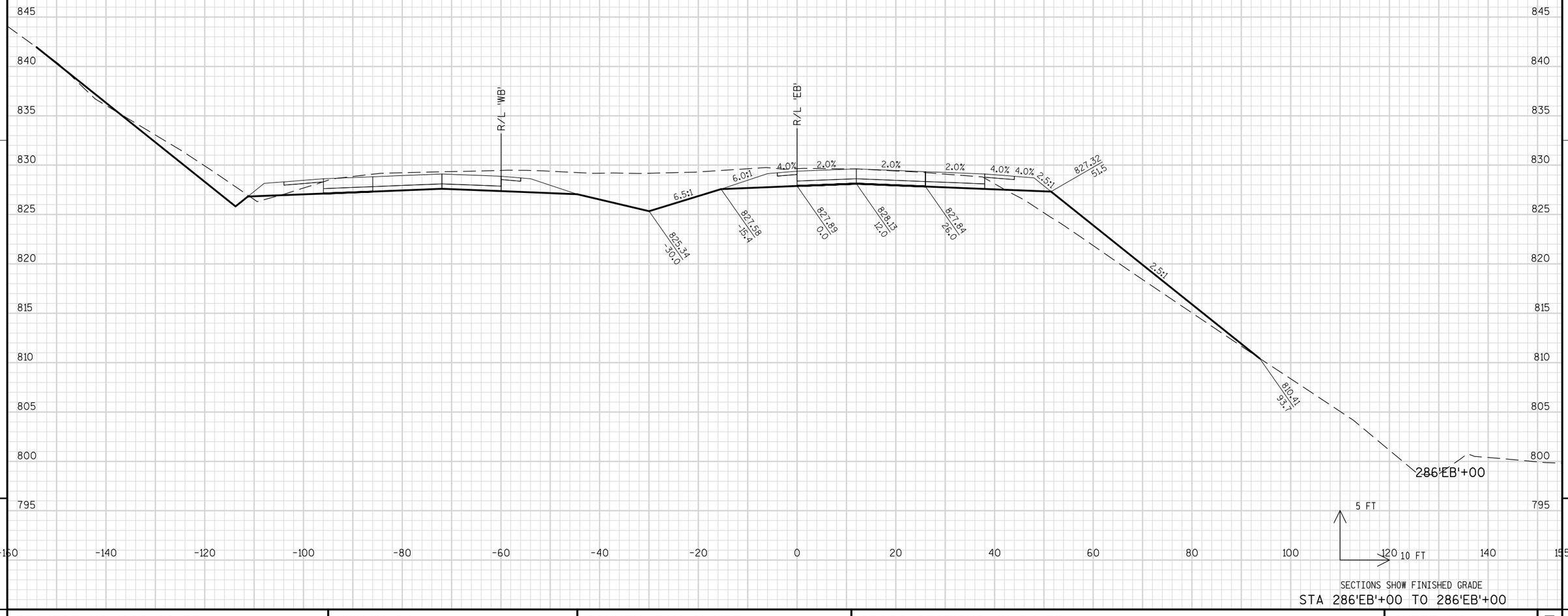
STA 285'EB'+00 TO 285'EB'+23

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 EB	SHEET NO: 860	E

FILE NAME : CH_0803_090201_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

IH 94 EB WORK STAGE 3

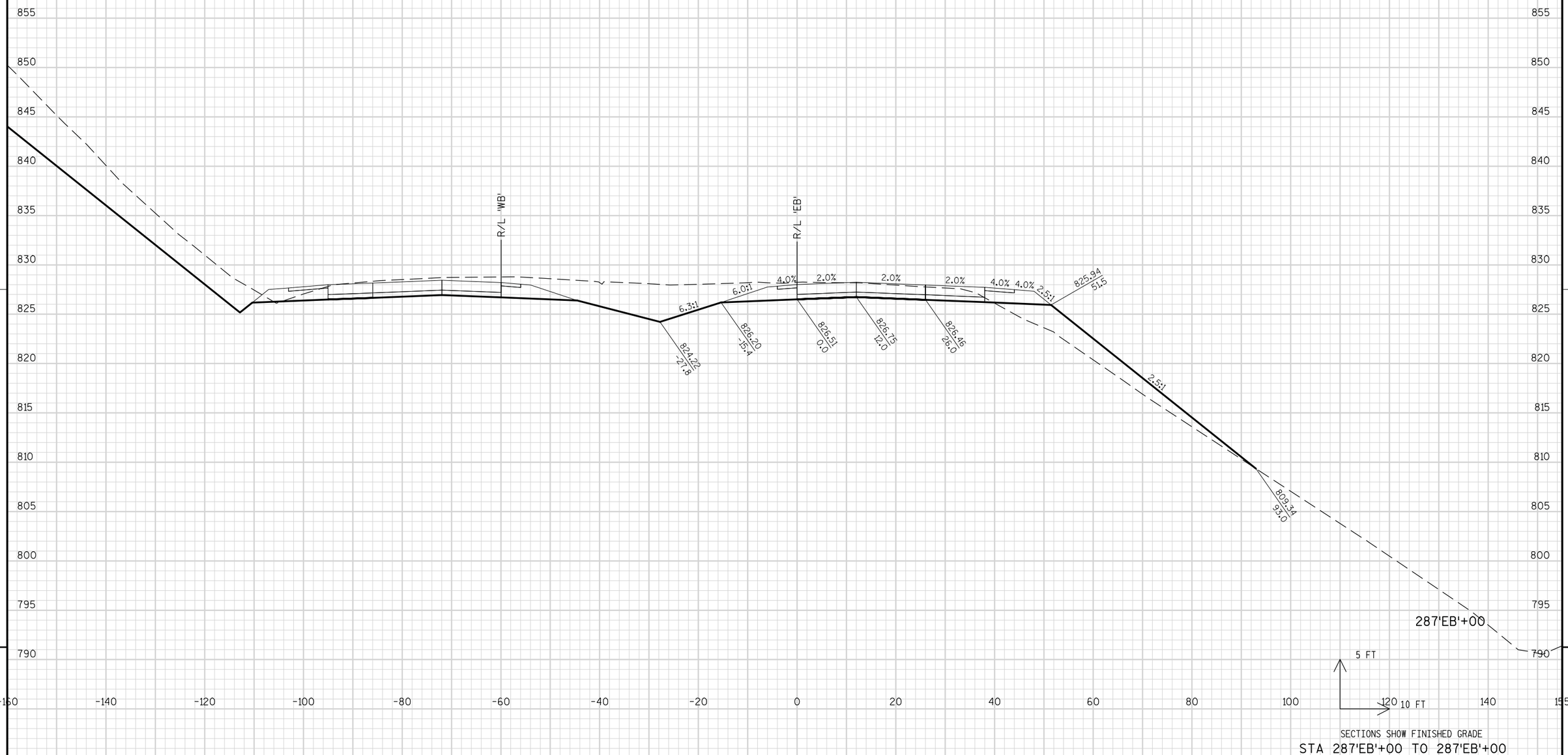


PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 EB	SHEET NO: 861	E

FILE NAME : CH_0803_090201_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

IH 94 EB WORK STAGE 3
SHOULDER AND MEDIAN GRADING WORK STAGE 6



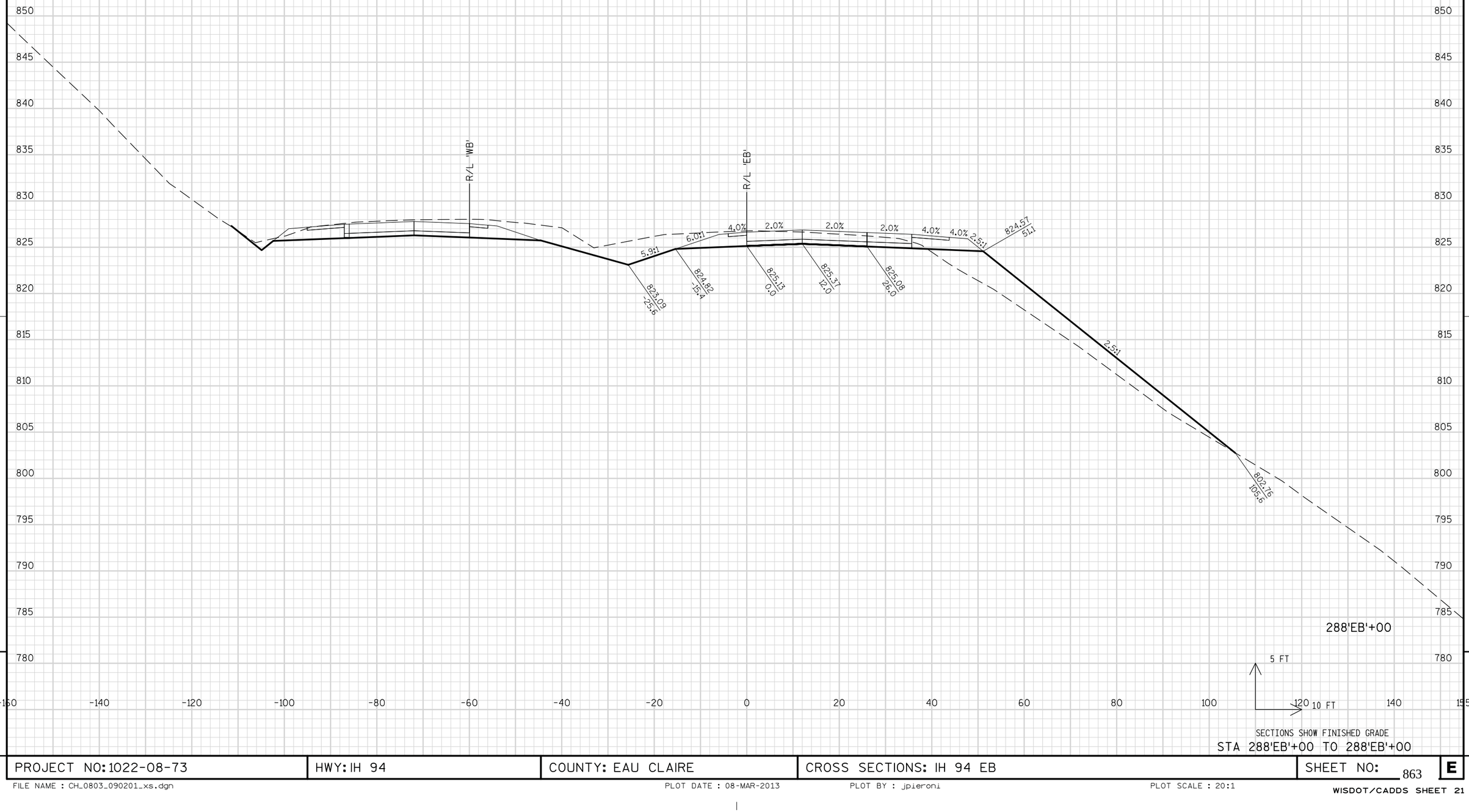
SECTIONS SHOW FINISHED GRADE
STA 287'EB'+00 TO 287'EB'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 EB	SHEET NO: 862	E

FILE NAME : CH_0803_090201_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

IH 94 EB WORK STAGE 3
SHOULDER AND MEDIAN GRADING WORK STAGE 6



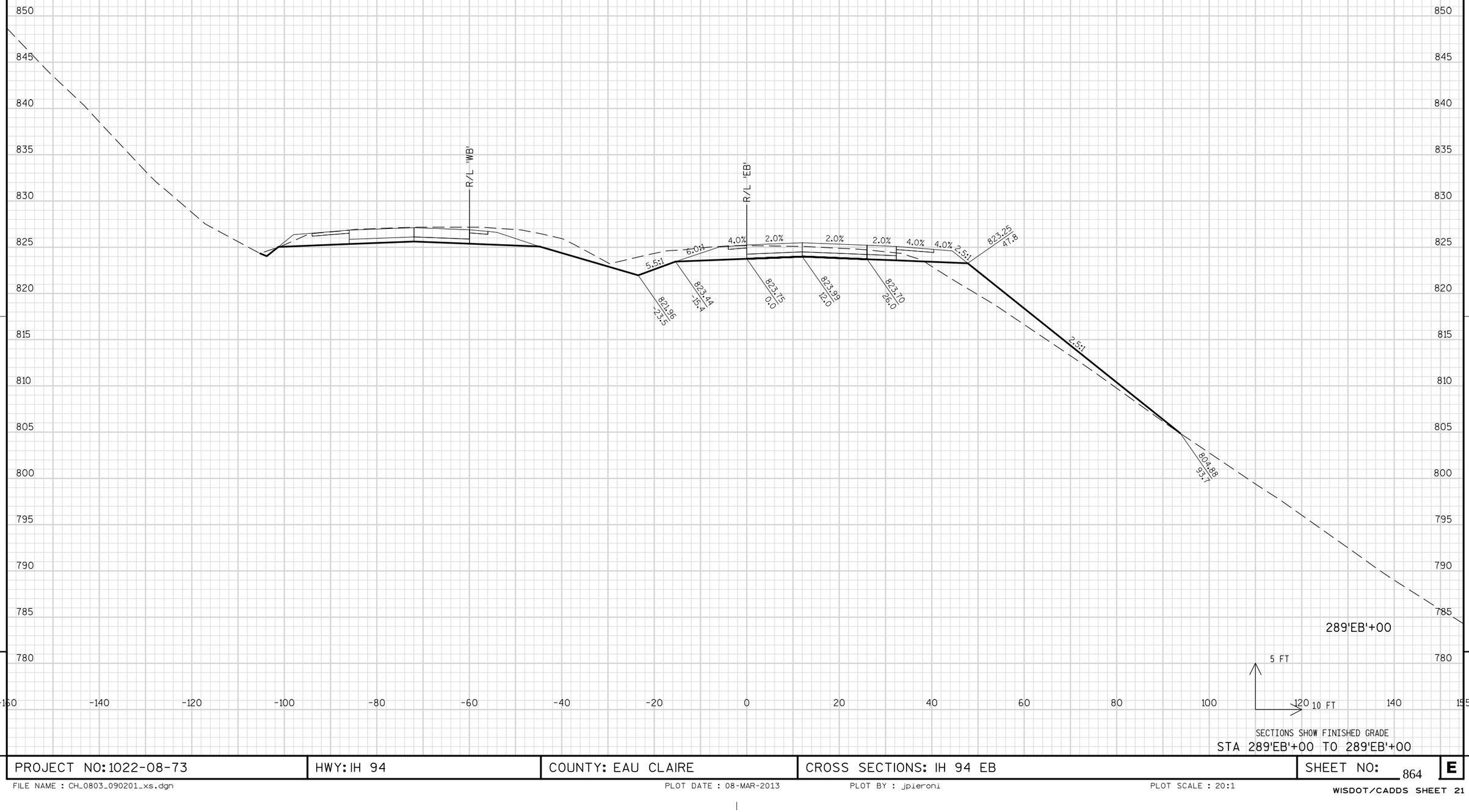
SECTIONS SHOW FINISHED GRADE
STA 288'EB'+00 TO 288'EB'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 EB	SHEET NO: 863	E

FILE NAME : CH_0803_090201_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

IH 94 EB WORK STAGE 3
SHOULDER AND MEDIAN GRADING WORK STAGE 6



SECTIONS SHOW FINISHED GRADE

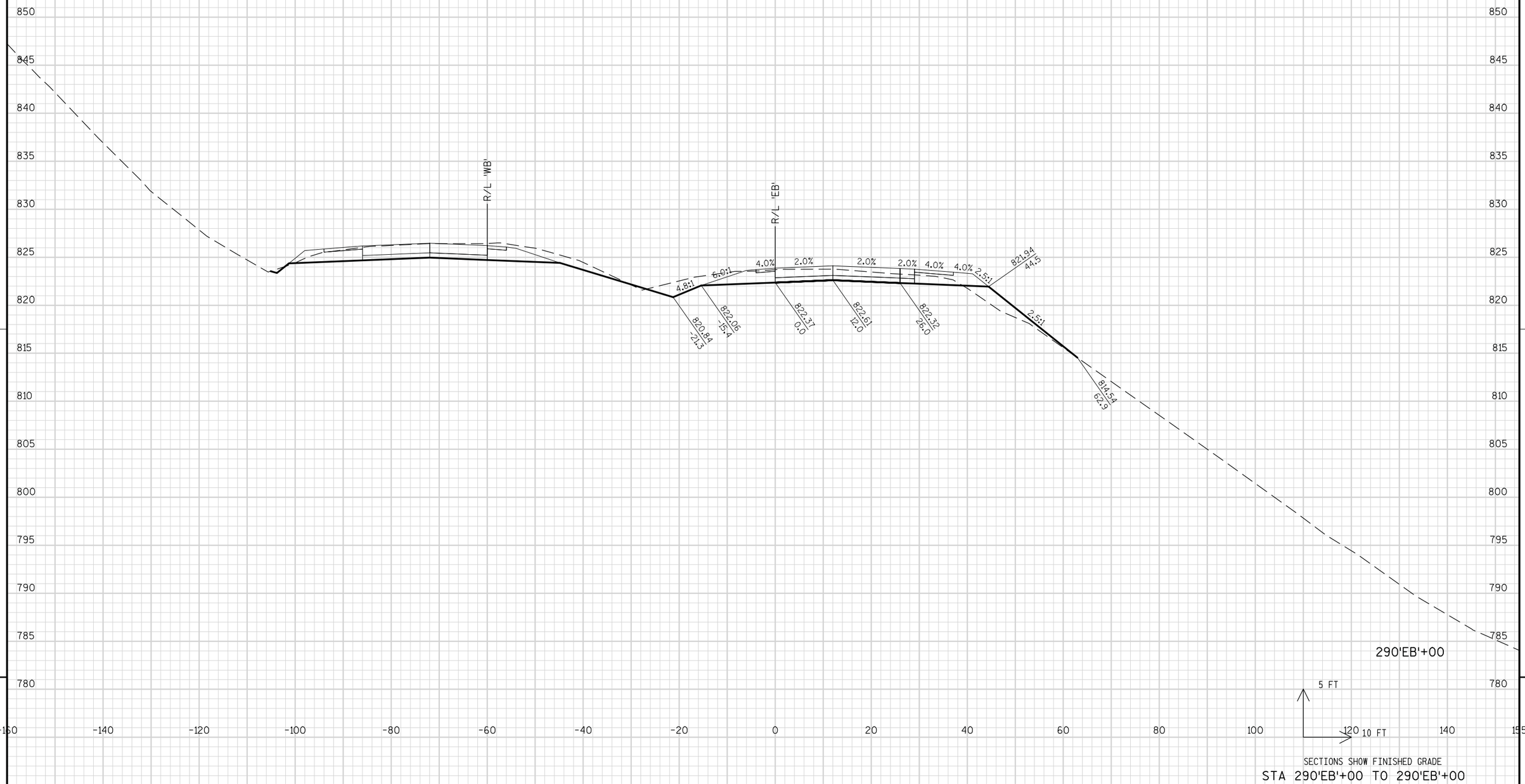
STA 289'EB'+00 TO 289'EB'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 EB	SHEET NO: 864	E

FILE NAME : CH_0803_090201_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

IH 94 EB WORK STAGE 3
SHOULDER AND MEDIAN GRADING WORK STAGE 6



SECTIONS SHOW FINISHED GRADE

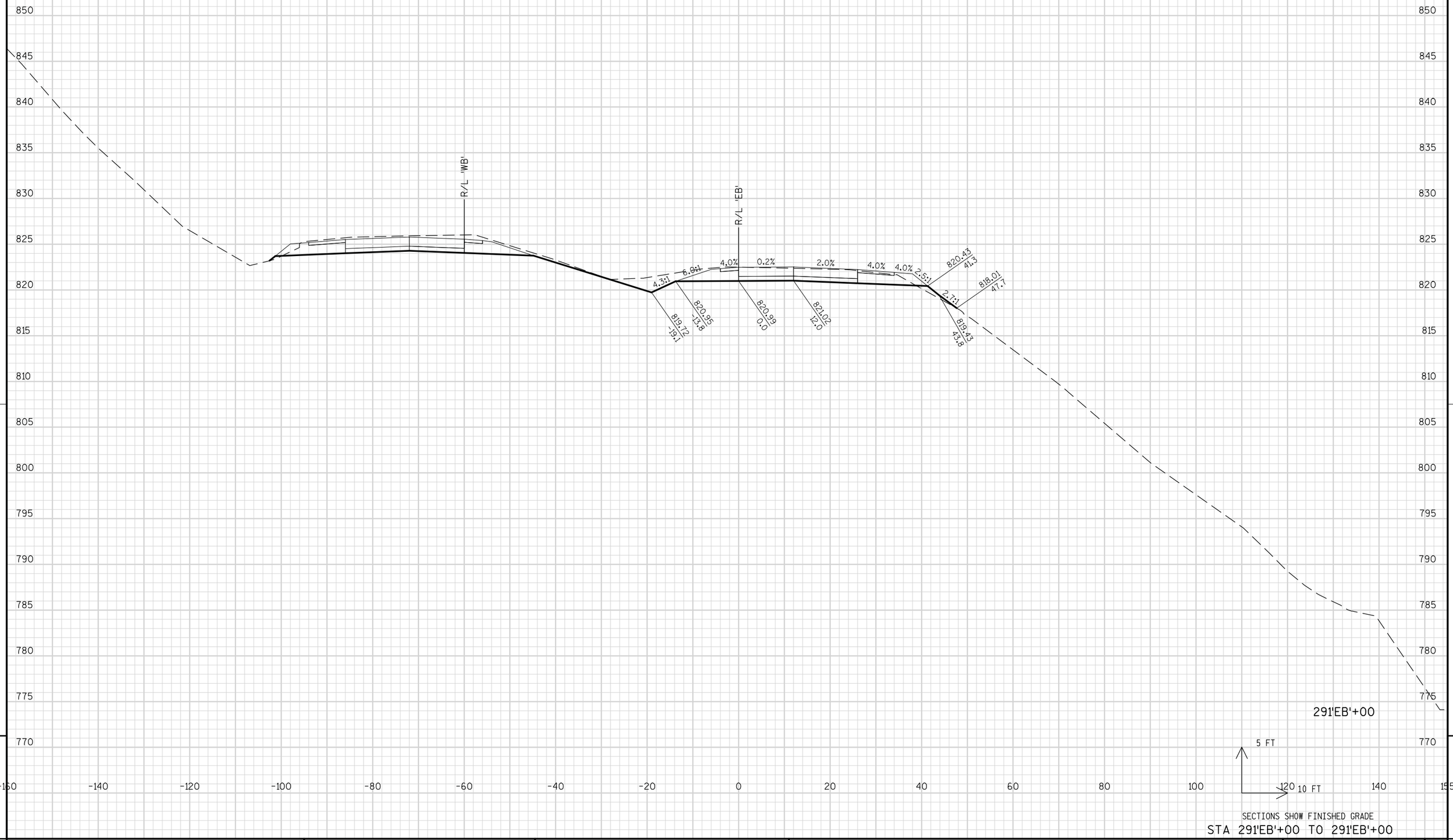
STA 290'EB'+00 TO 290'EB'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 EB	SHEET NO: 865	E

FILE NAME : CH_0803_090201_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

IH 94 EB WORK STAGE 3
SHOULDER AND MEDIAN GRADING WORK STAGE 6



SECTIONS SHOW FINISHED GRADE
STA 291'EB'+00 TO 291'EB'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 EB	SHEET NO: 866	E

FILE NAME : CH_0803_090201_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

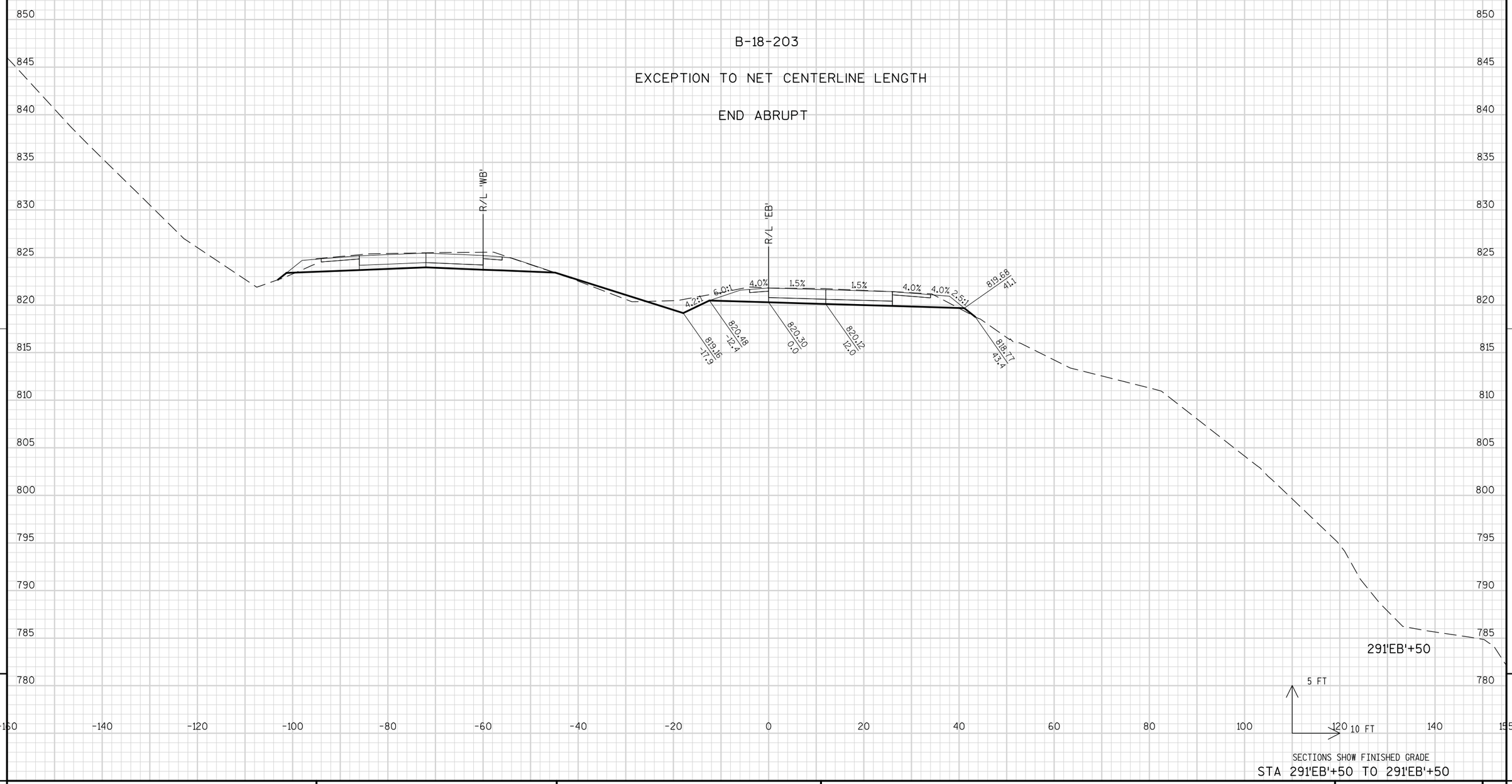
WISDOT/CADDS SHEET 21

IH 94 EB WORK STAGE 3
SHOULDER AND MEDIAN GRADING WORK STAGE 6

B-18-203

EXCEPTION TO NET CENTERLINE LENGTH

END ABRUPT



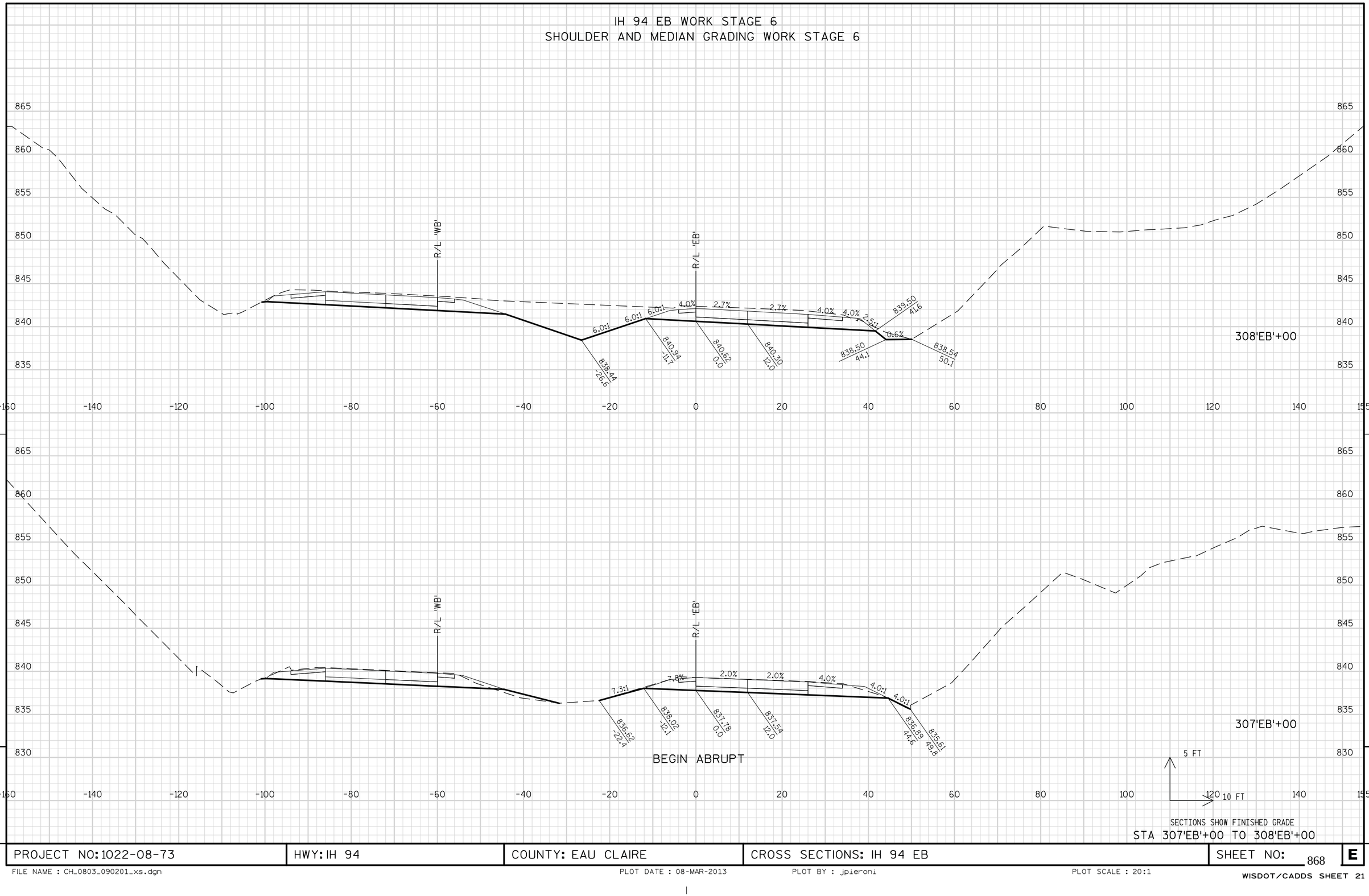
SECTIONS SHOW FINISHED GRADE
STA 291'EB'+50 TO 291'EB'+50

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 EB	SHEET NO: 867	E

FILE NAME : CH_0803_090201_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

IH 94 EB WORK STAGE 6
SHOULDER AND MEDIAN GRADING WORK STAGE 6



SECTIONS SHOW FINISHED GRADE

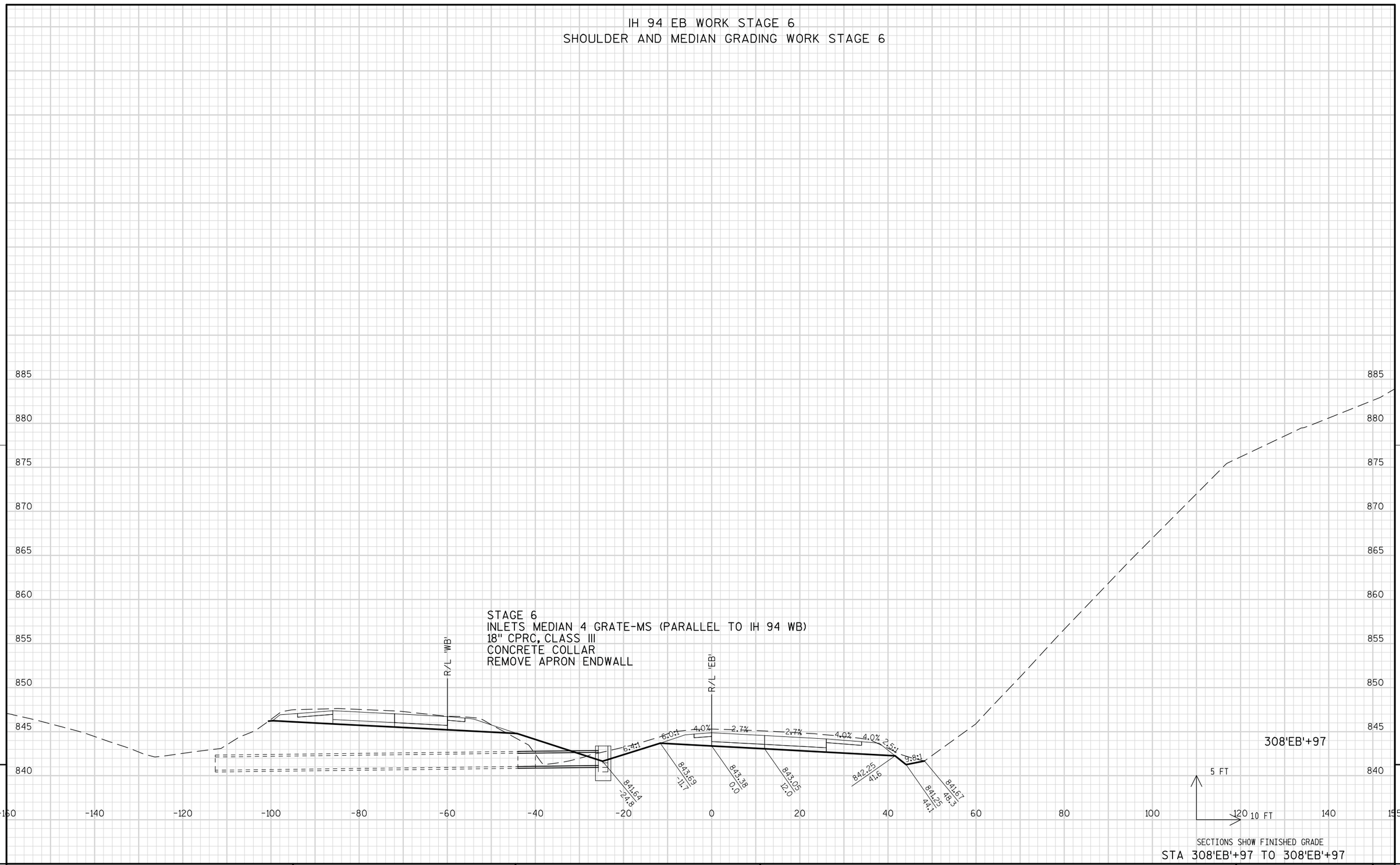
STA 307'EB'+00 TO 308'EB'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 EB	SHEET NO: 868	E

FILE NAME : CH_0803_090201_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

IH 94 EB WORK STAGE 6
SHOULDER AND MEDIAN GRADING WORK STAGE 6



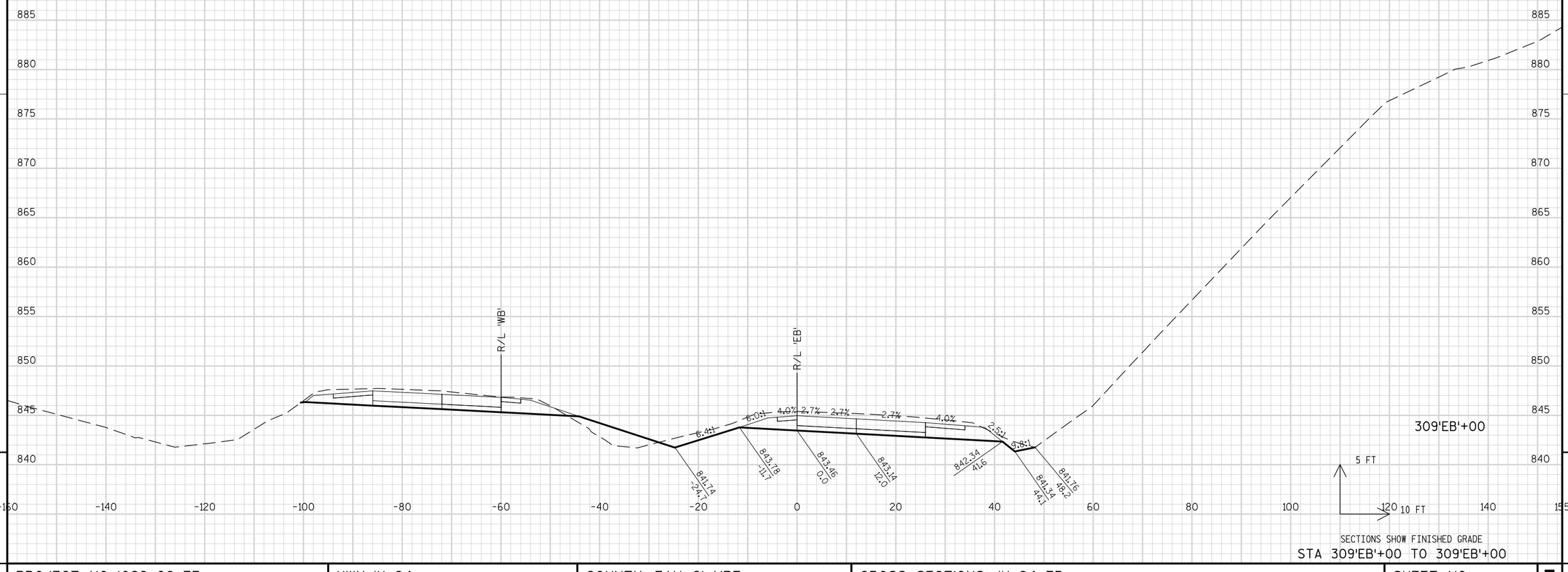
SECTIONS SHOW FINISHED GRADE
STA 308'EB'+97 TO 308'EB'+97

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 EB	SHEET NO: 869	E

FILE NAME : CH_0803_090201_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

IH 94 EB WORK STAGE 6
SHOULDER AND MEDIAN GRADING WORK STAGE 6



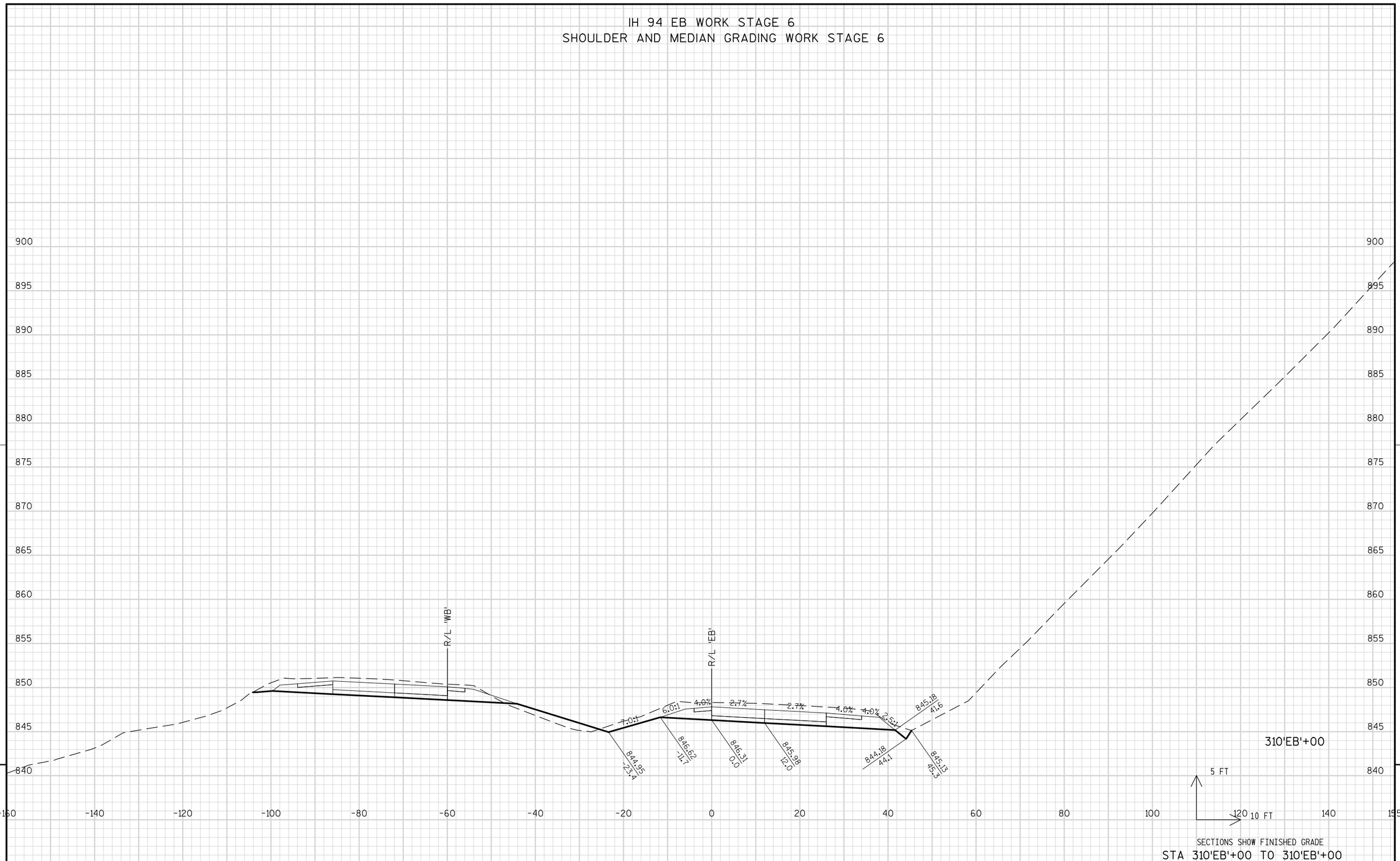
9 9

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 EB	SHEET NO: 870	E

FILE NAME : CH_0803_090201_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

IH 94 EB WORK STAGE 6
SHOULDER AND MEDIAN GRADING WORK STAGE 6

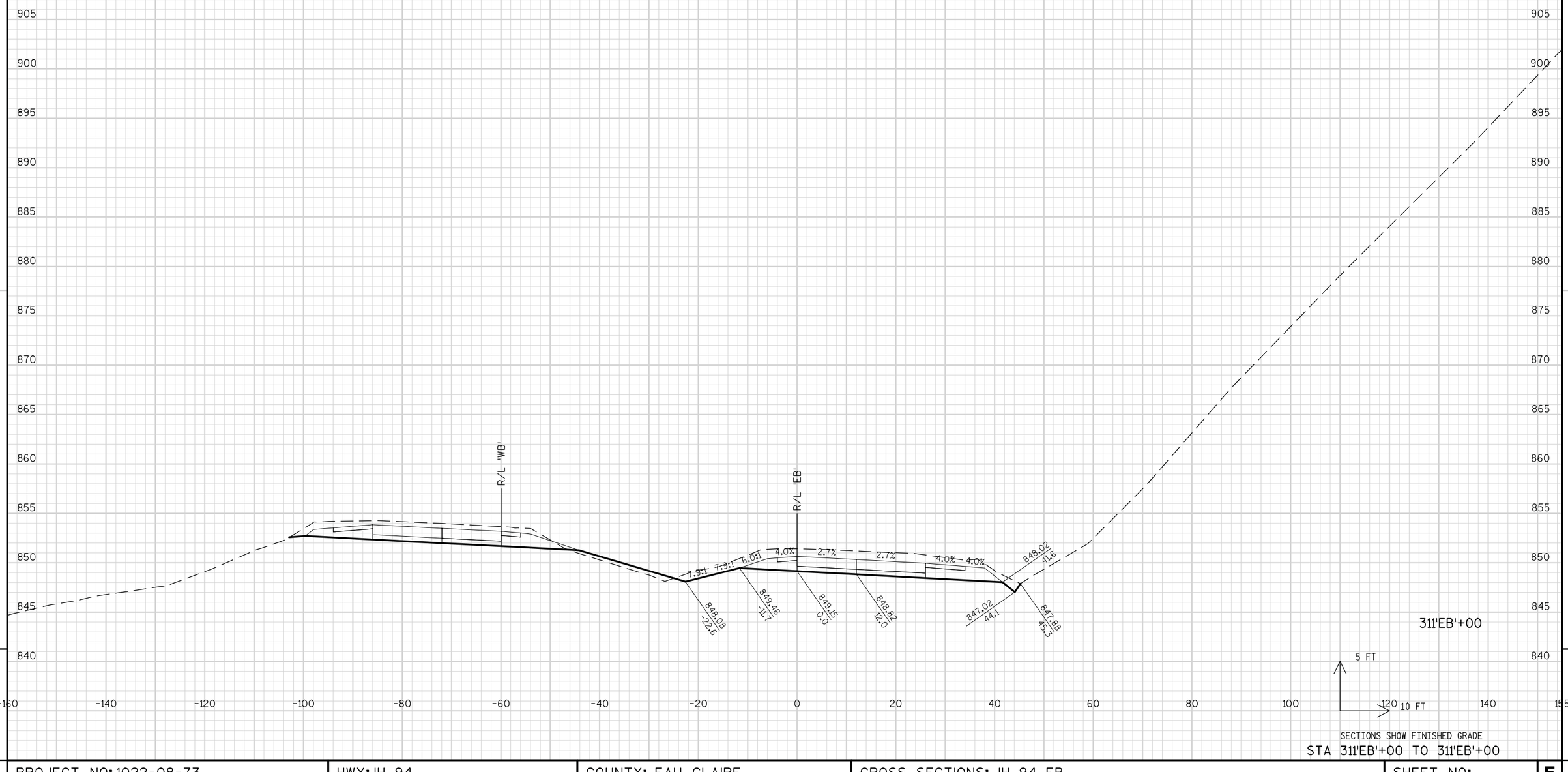


PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 EB	SHEET NO: 871	E

FILE NAME : CH_0803_090201_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

IH 94 EB WORK STAGE 6
SHOULDER AND MEDIAN GRADING WORK STAGE 6



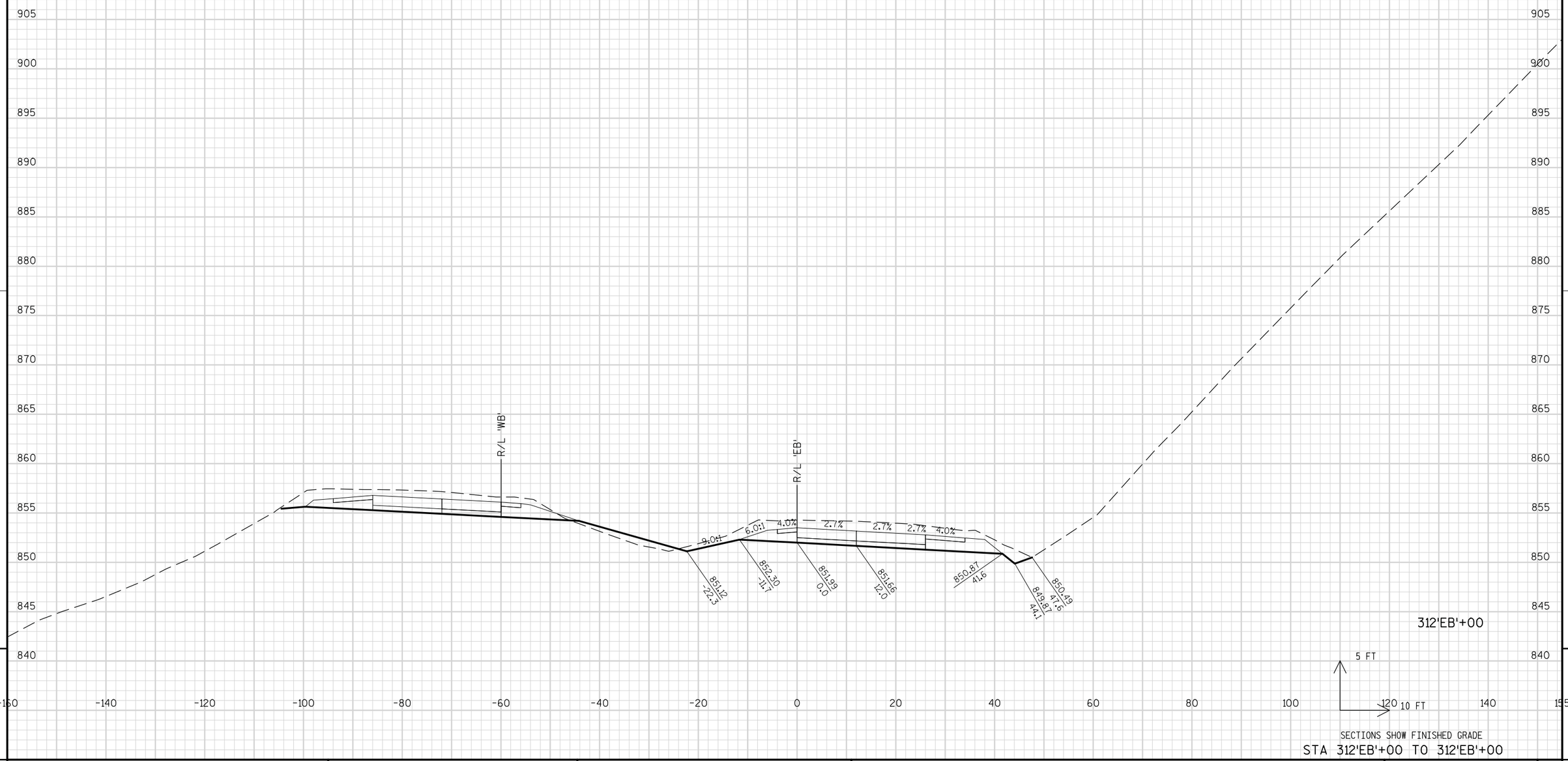
SECTIONS SHOW FINISHED GRADE
STA 311'EB'+00 TO 311'EB'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 EB	SHEET NO: 872	E

FILE NAME : CH_0803_090201_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

IH 94 EB WORK STAGE 6
SHOULDER AND MEDIAN GRADING WORK STAGE 6



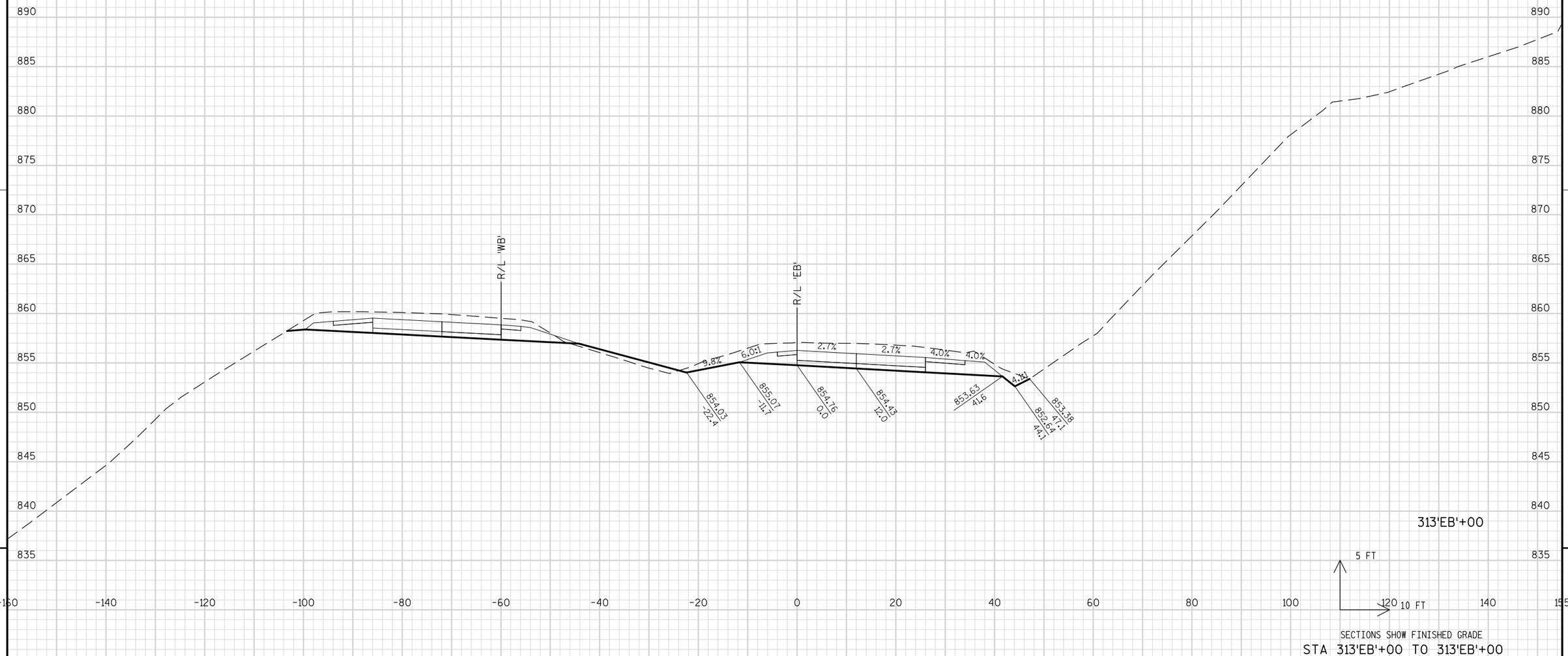
SECTIONS SHOW FINISHED GRADE
STA 312'EB'+00 TO 312'EB'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 EB	SHEET NO: 873	E

FILE NAME : CH_0803_090201_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

IH 94 EB WORK STAGE 6
SHOULDER AND MEDIAN GRADING WORK STAGE 6

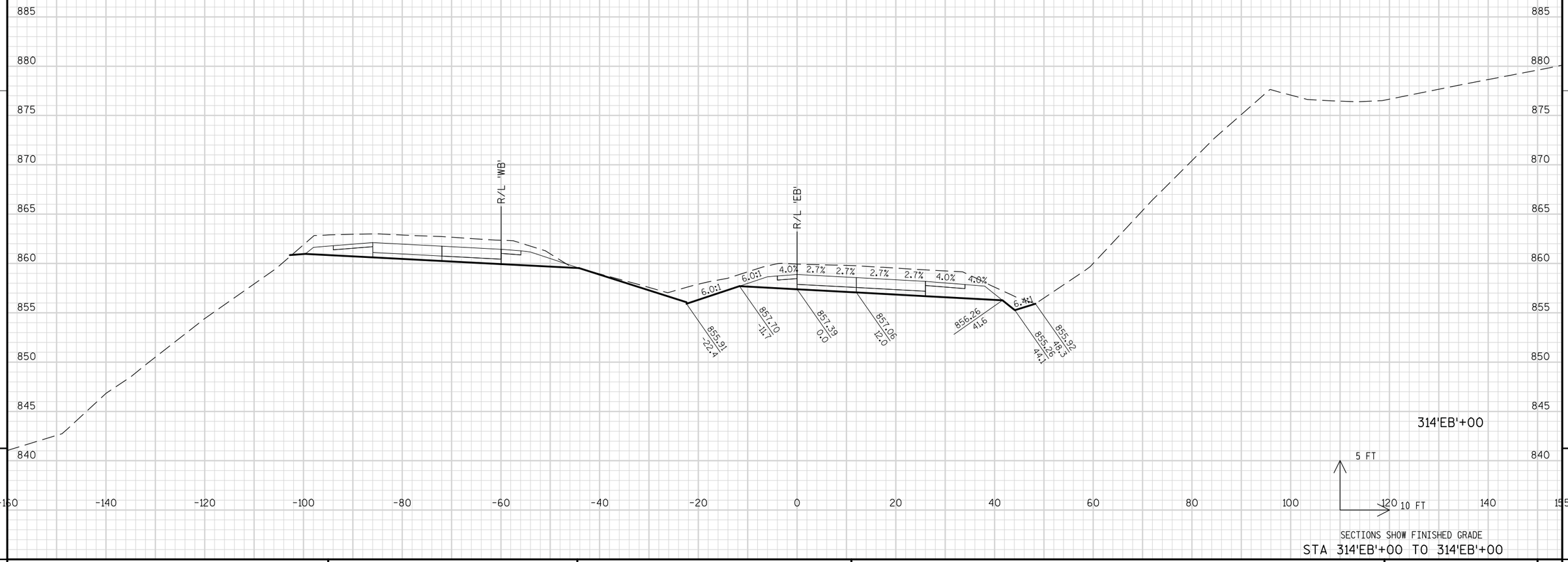


PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 EB	SHEET NO: 874	E

FILE NAME : CH_0803_090201_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

IH 94 EB WORK STAGE 6
SHOULDER AND MEDIAN GRADING WORK STAGE 6

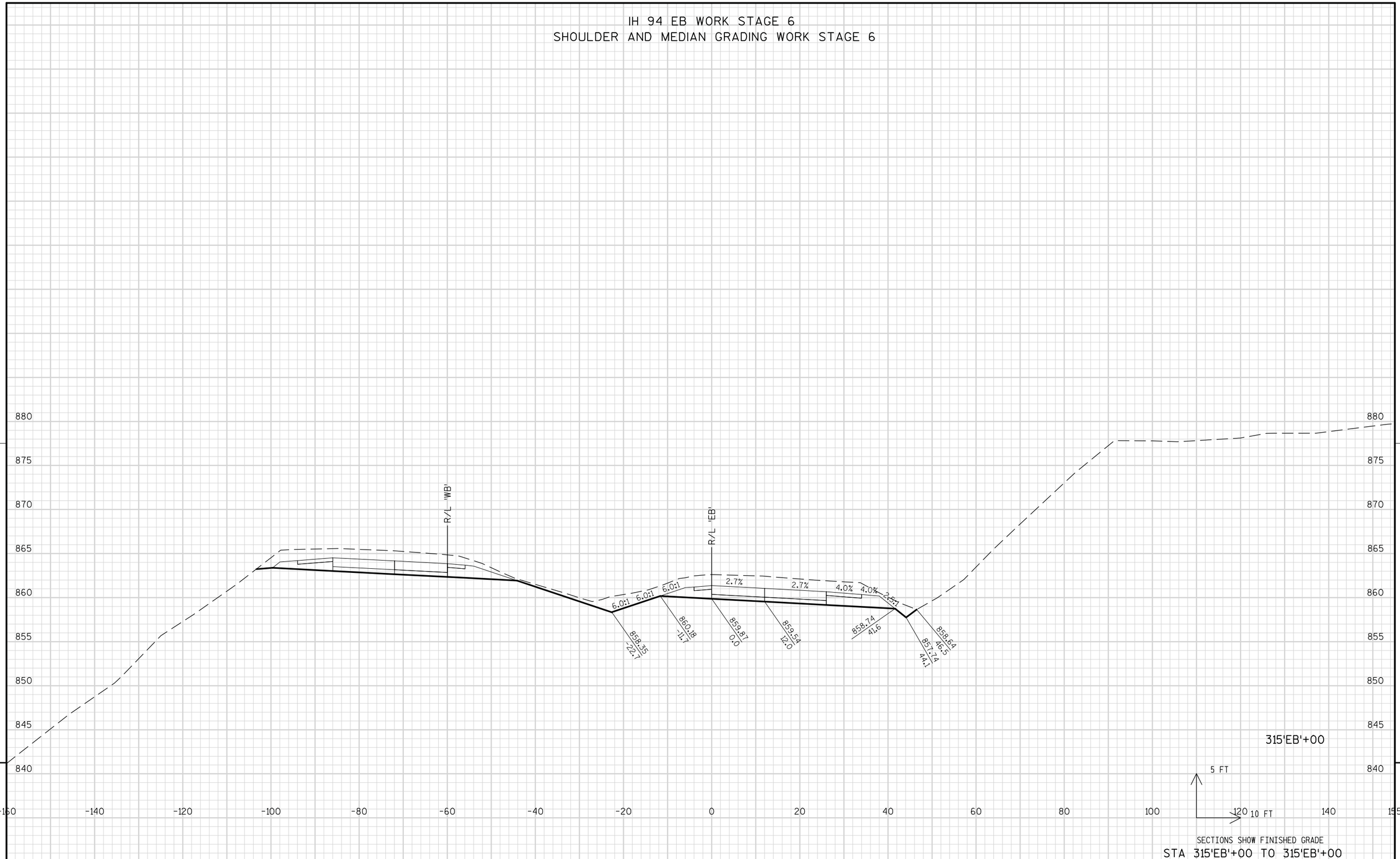


PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 EB	SHEET NO: 875	E

FILE NAME : CH_0803_090201_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

IH 94 EB WORK STAGE 6
SHOULDER AND MEDIAN GRADING WORK STAGE 6



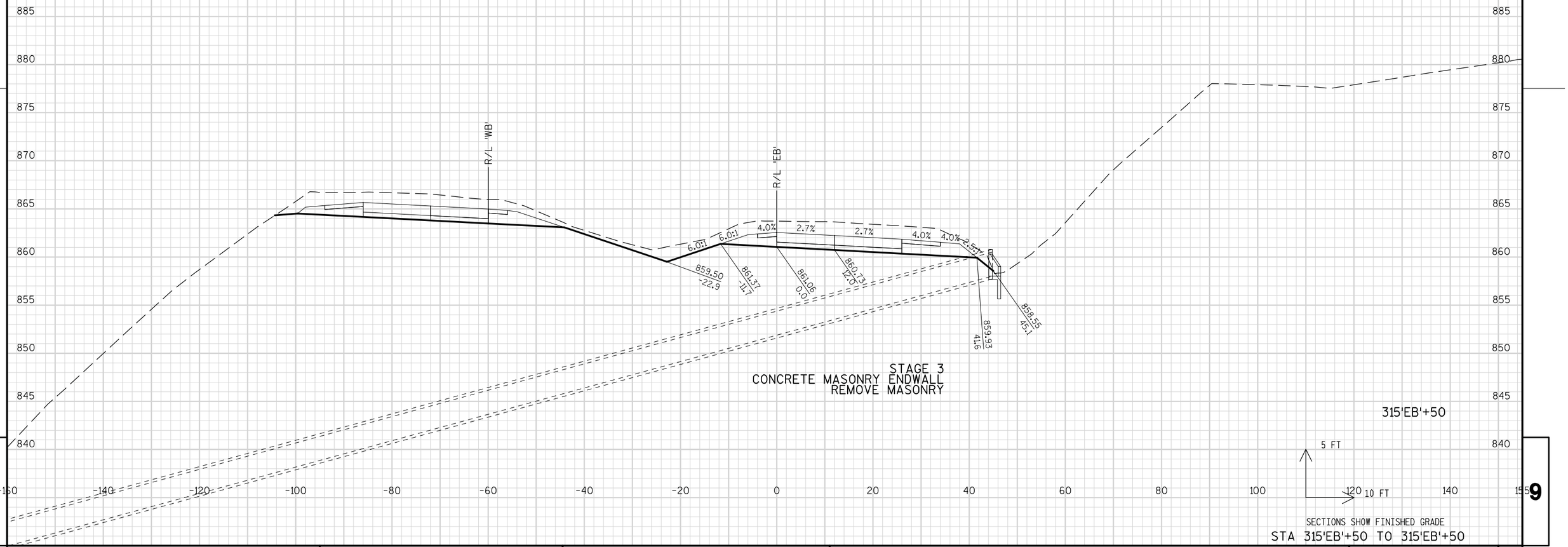
SECTIONS SHOW FINISHED GRADE
STA 315'EB'+00 TO 315'EB'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 EB	SHEET NO: 876	E

FILE NAME : CH_0803_090201_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

IH 94 EB WORK STAGE 6
SHOULDER AND MEDIAN GRADING WORK STAGE 6



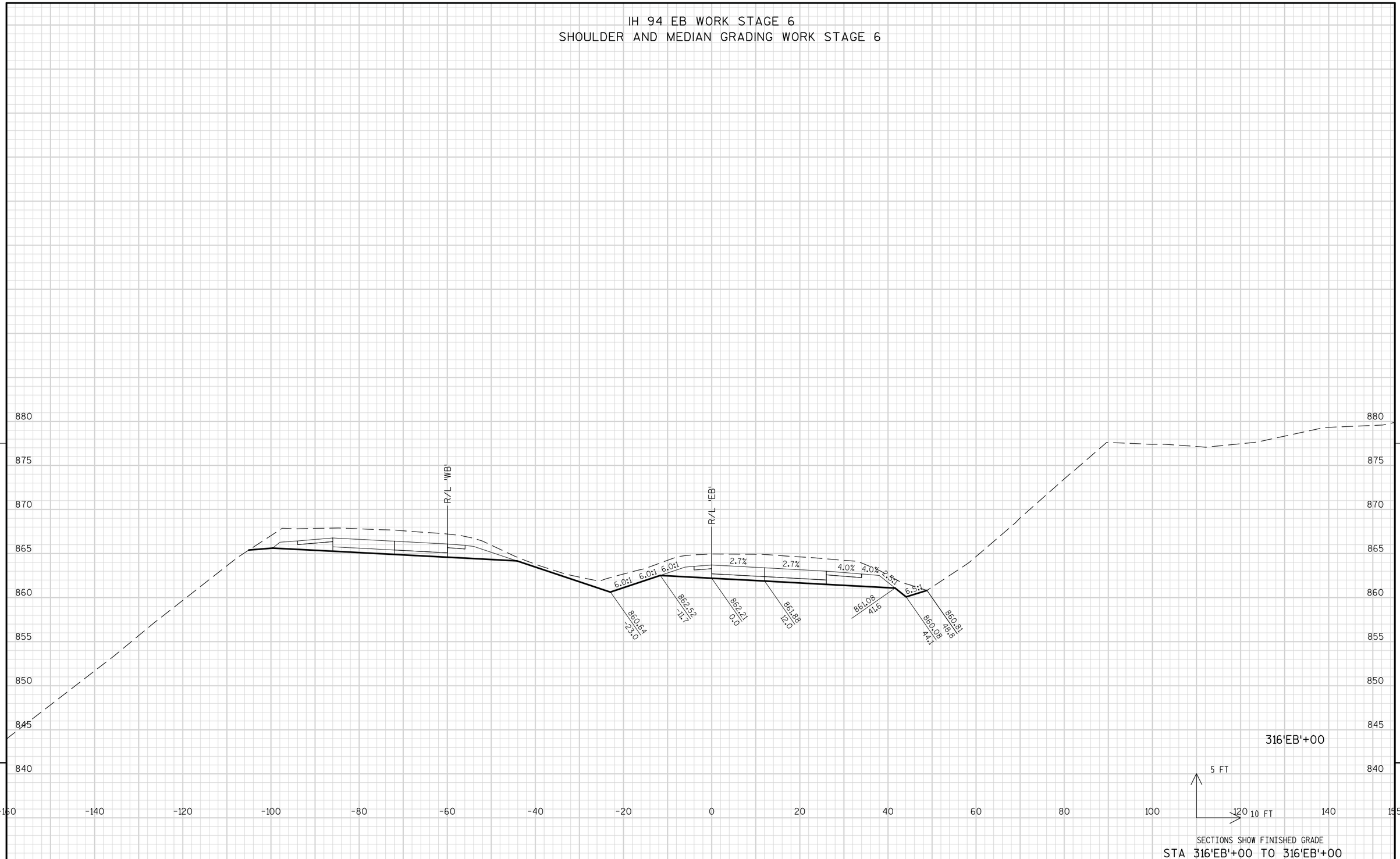
SECTIONS SHOW FINISHED GRADE
STA 315'EB'+50 TO 315'EB'+50

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 EB	SHEET NO: 877	E

FILE NAME : CH_0803_090201_xs.dgn | PLOT DATE : 08-MAR-2013 | PLOT BY : jpieroni | PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

IH 94 EB WORK STAGE 6
SHOULDER AND MEDIAN GRADING WORK STAGE 6



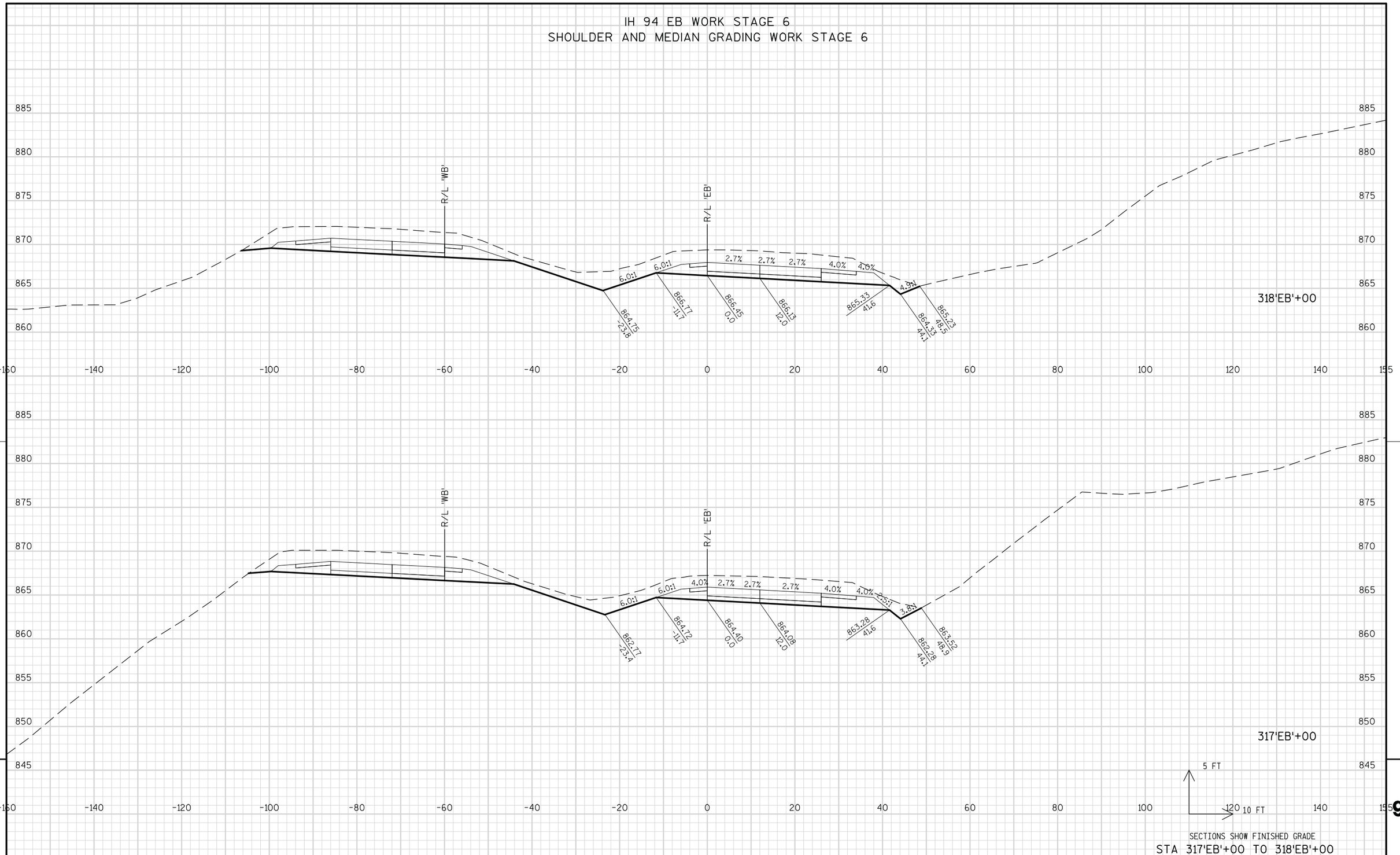
SECTIONS SHOW FINISHED GRADE
STA 316'EB'+00 TO 316'EB'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 EB	SHEET NO: 878	E

FILE NAME : CH_0803_090201_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

IH 94 EB WORK STAGE 6
SHOULDER AND MEDIAN GRADING WORK STAGE 6

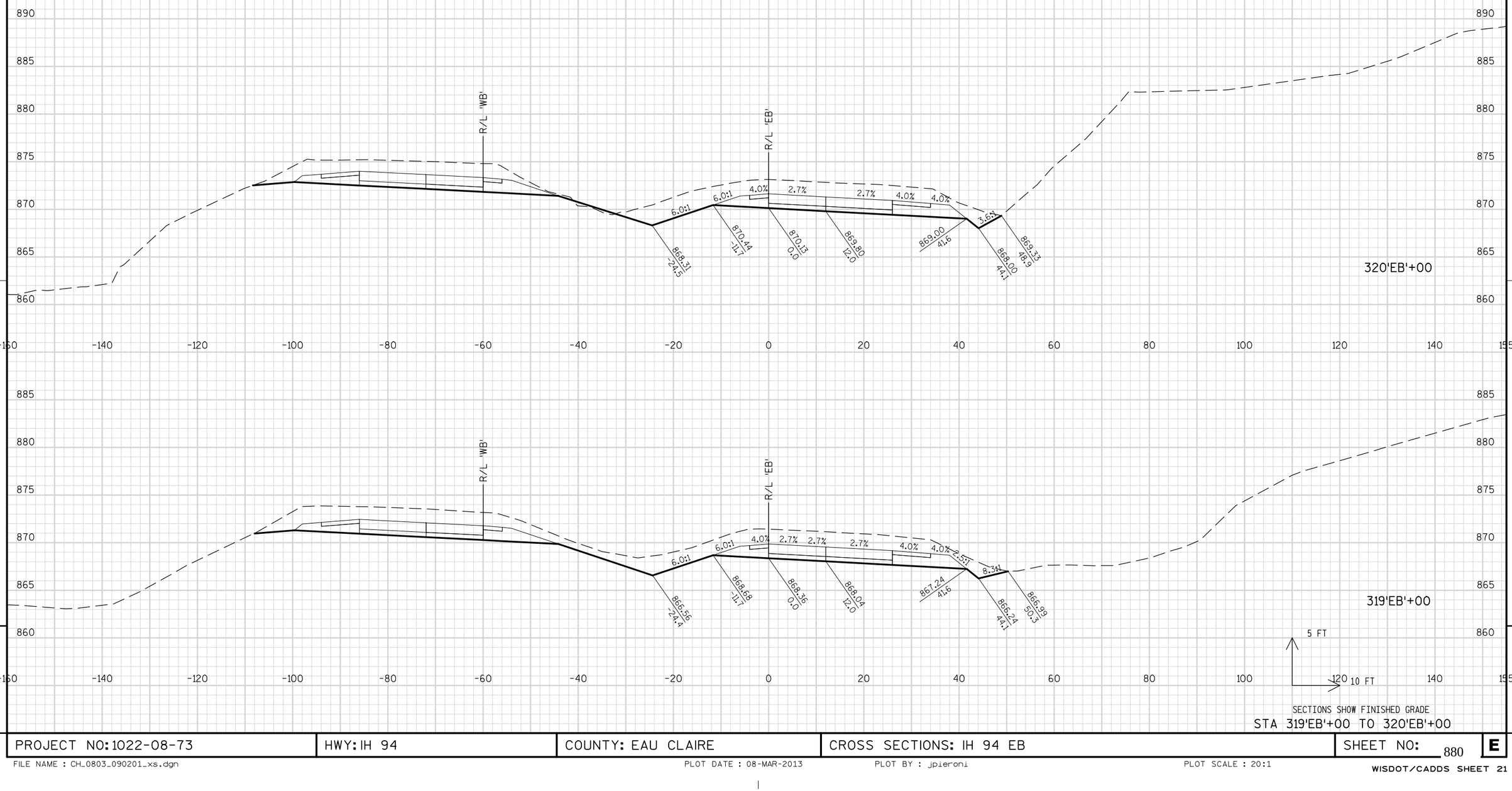


PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 EB	SHEET NO: 879	E

FILE NAME : CH_0803_090201_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

IH 94 EB WORK STAGE 6
SHOULDER AND MEDIAN GRADING WORK STAGE 6



SECTIONS SHOW FINISHED GRADE

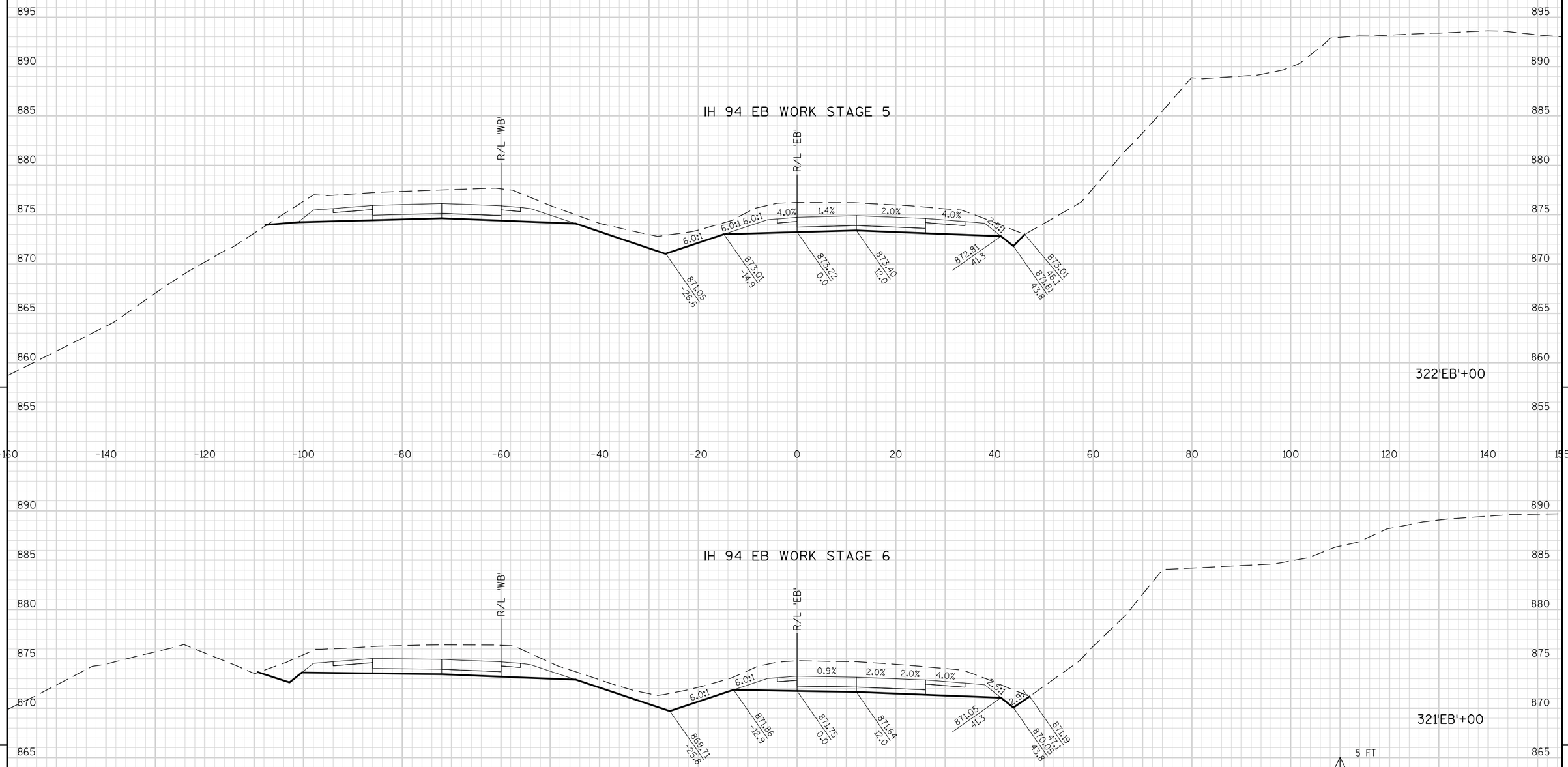
STA 319'EB'+00 TO 320'EB'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 EB	SHEET NO: 880 E

FILE NAME : CH_0803_090201_xs.dgn | PLOT DATE : 08-MAR-2013 | PLOT BY : jpieroni | PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

SHOULDER AND MEDIAN GRADING WORK STAGE 6

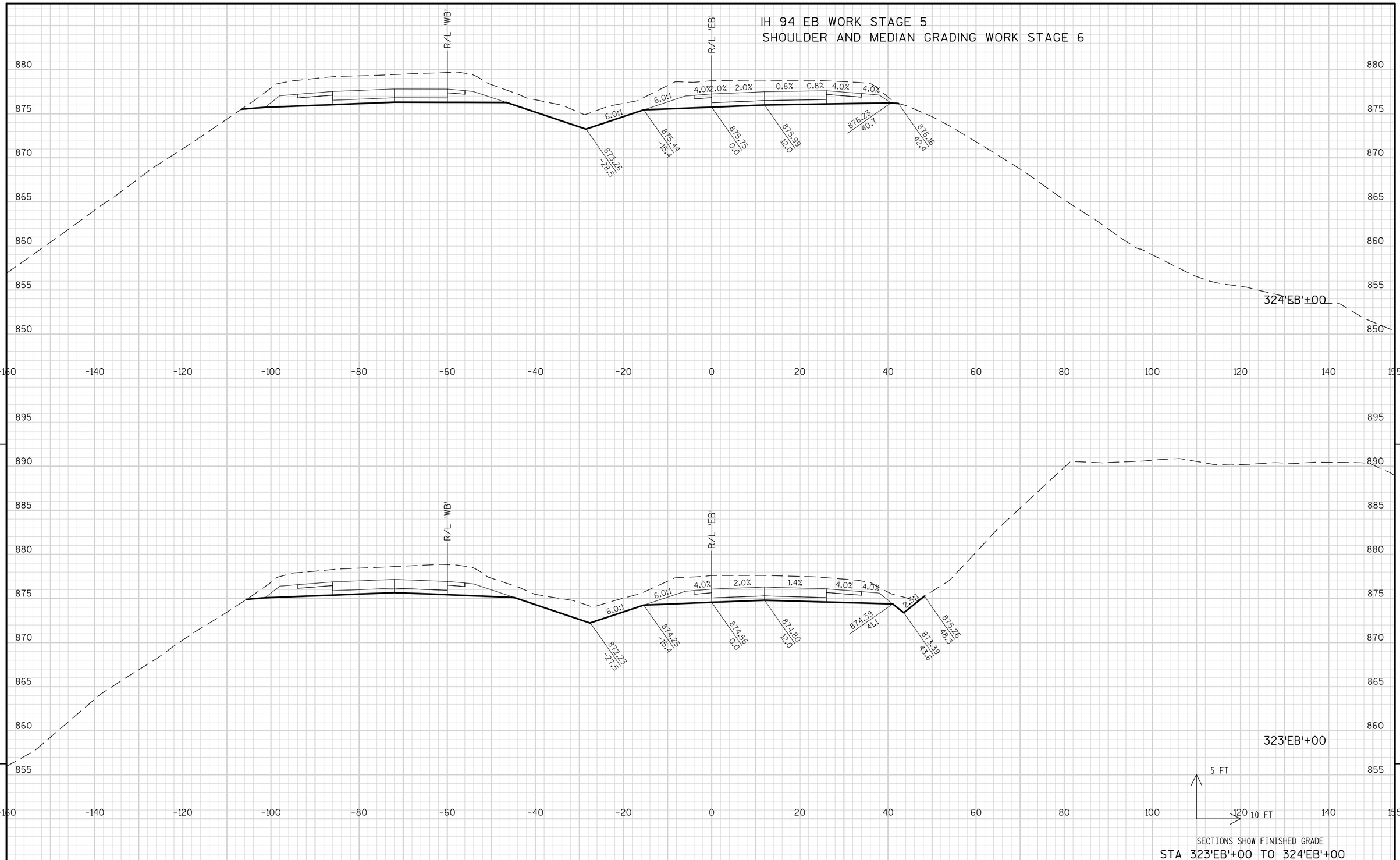


PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 EB	SHEET NO: 881	E

FILE NAME : CH_0803_090201_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

IH 94 EB WORK STAGE 5
SHOULDER AND MEDIAN GRADING WORK STAGE 6



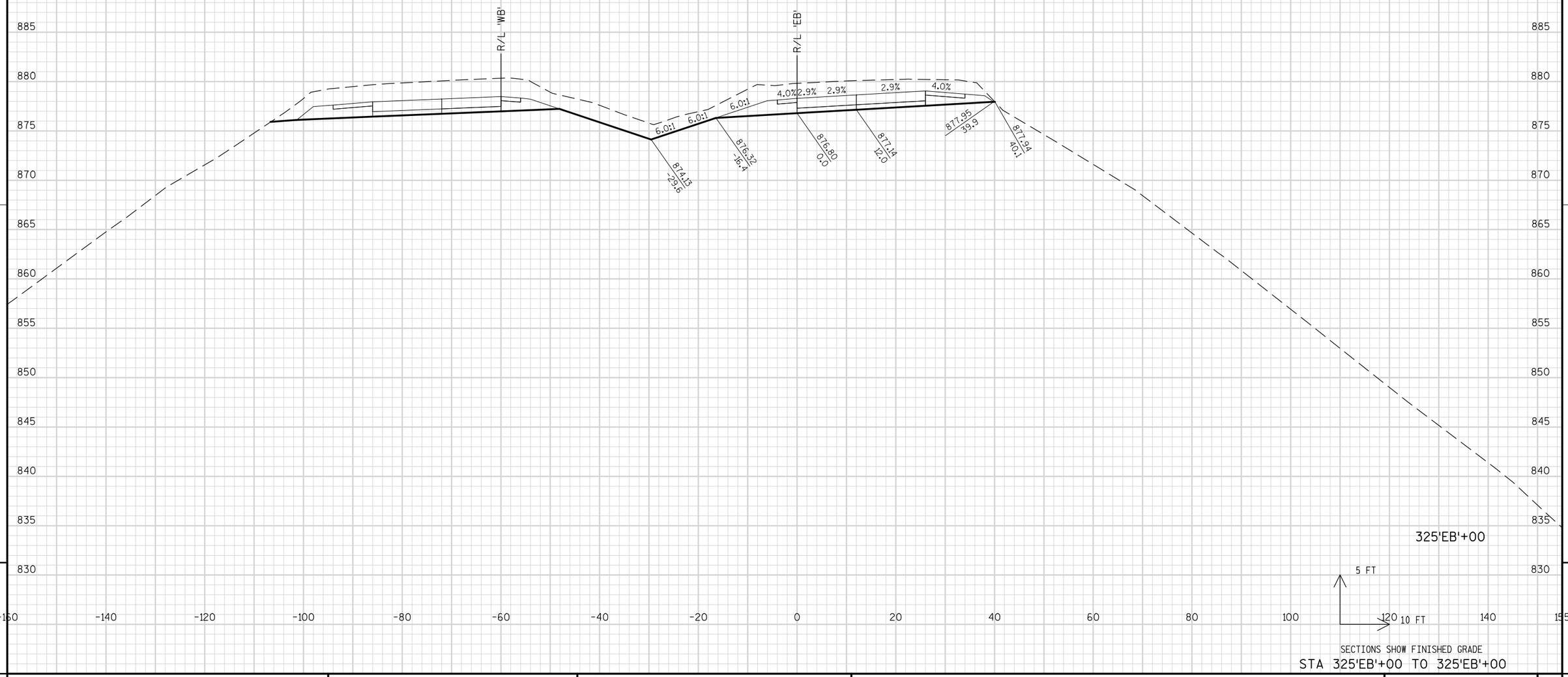
SECTIONS SHOW FINISHED GRADE
STA 323'EB'+00 TO 324'EB'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 EB	SHEET NO: 882	E

FILE NAME : CH_0803_090201_xs.dgn
PLOT DATE : 08-MAR-2013
PLOT BY : jpieroni
PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

IH 94 EB WORK STAGE 5
SHOULDER AND MEDIAN GRADING WORK STAGE 6



SECTIONS SHOW FINISHED GRADE

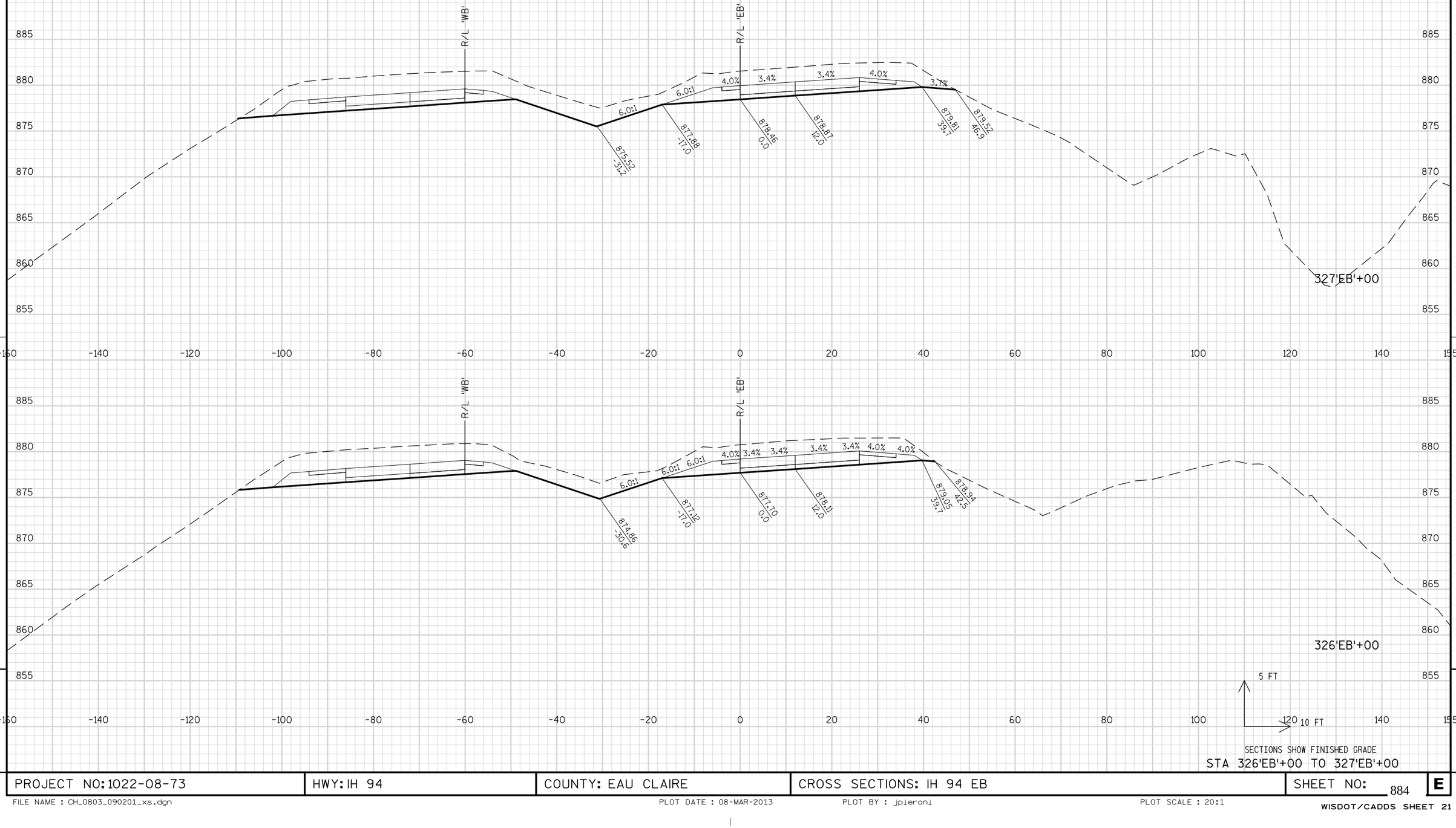
STA 325'EB'+00 TO 325'EB'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 EB	SHEET NO: 883	E

FILE NAME : CH_0803_090201_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

IH 94 EB WORK STAGE 5
SHOULDER AND MEDIAN GRADING WORK STAGE 6



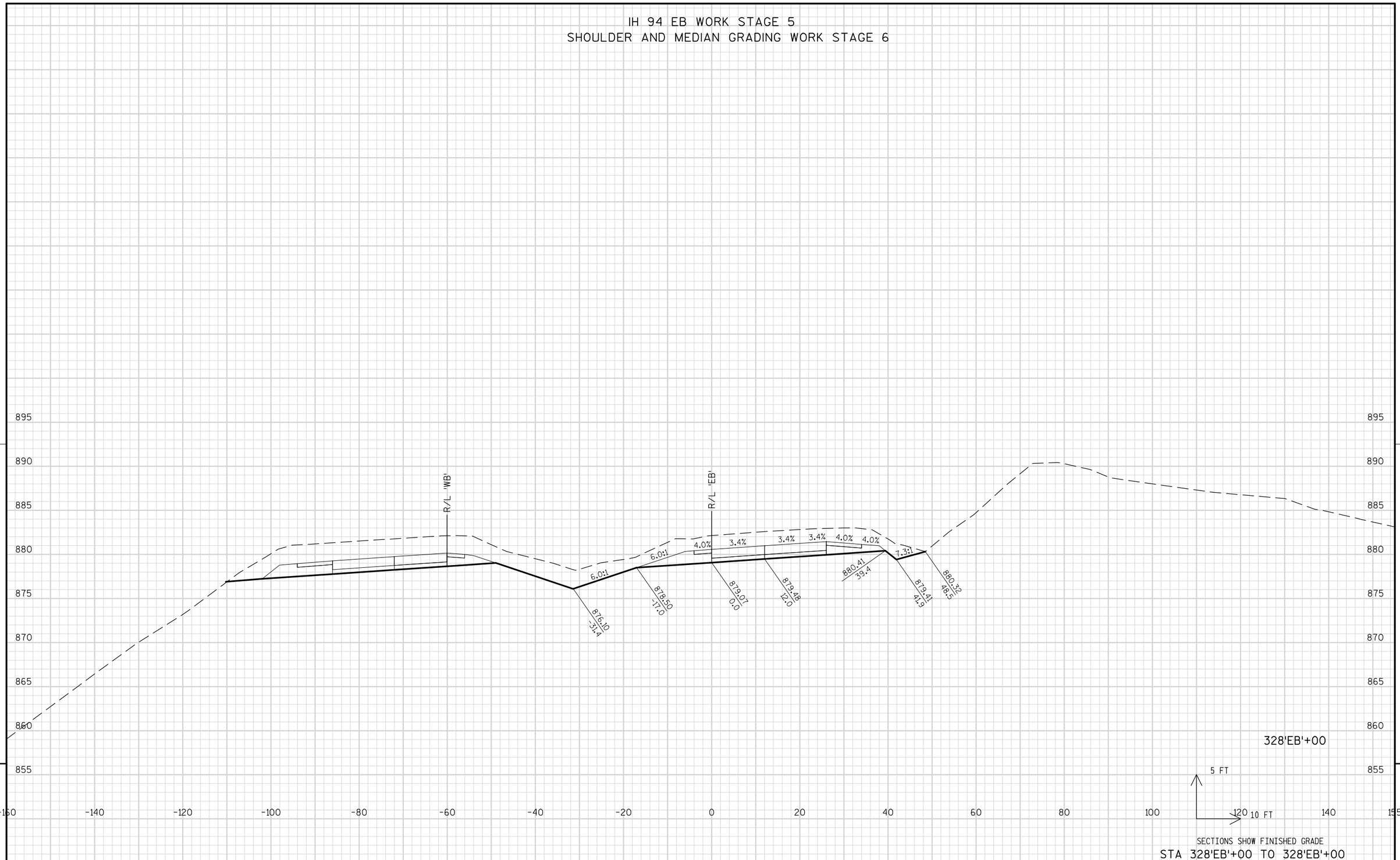
SECTIONS SHOW FINISHED GRADE
STA 326'EB'+00 TO 327'EB'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 EB	SHEET NO: 884	E

FILE NAME : CH_0803_090201_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

IH 94 EB WORK STAGE 5
SHOULDER AND MEDIAN GRADING WORK STAGE 6



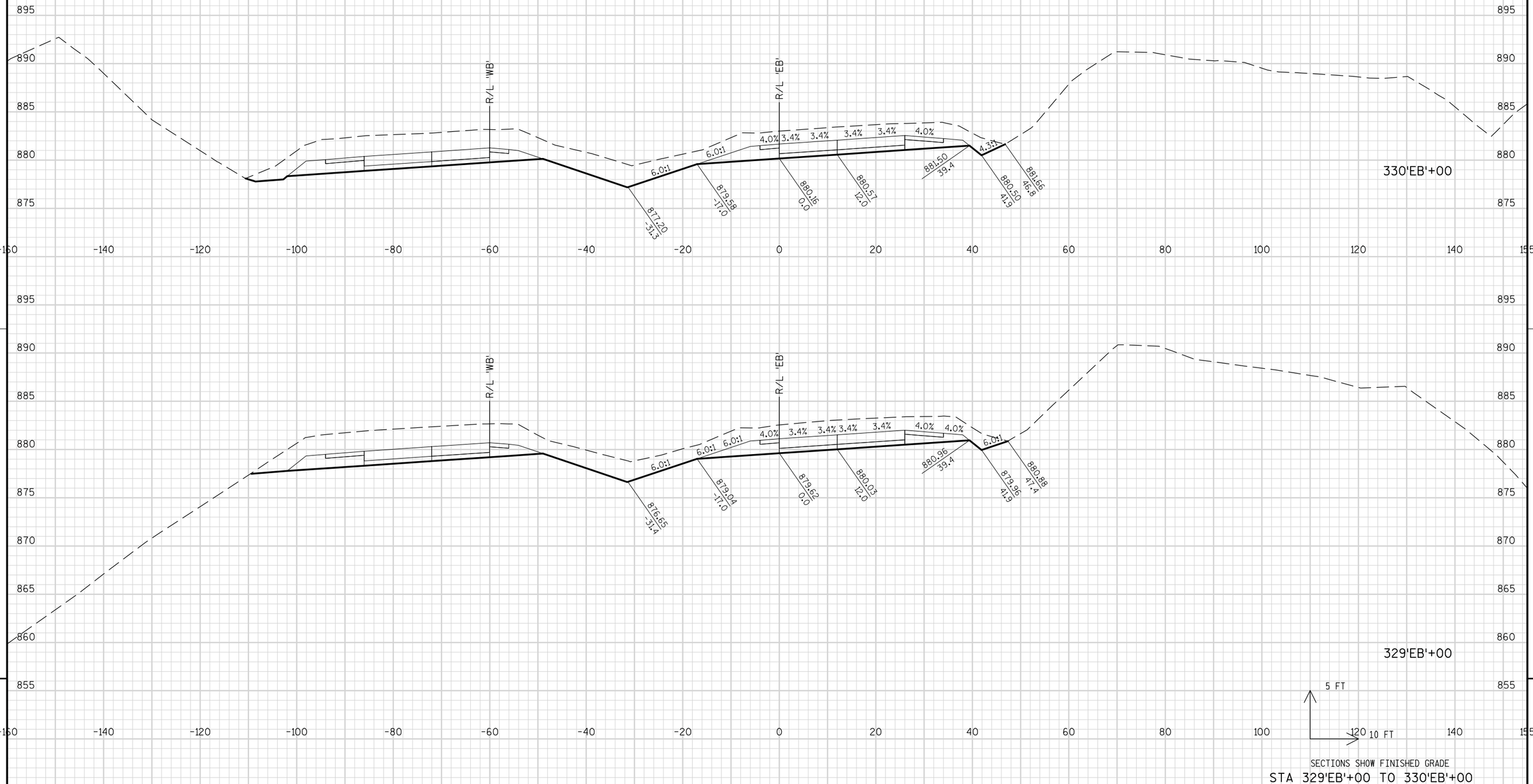
SECTIONS SHOW FINISHED GRADE
STA 328'EB'+00 TO 328'EB'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 EB	SHEET NO: 885	E

FILE NAME : CH_0803_090201_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

IH 94 EB WORK STAGE 5
SHOULDER AND MEDIAN GRADING WORK STAGE 6

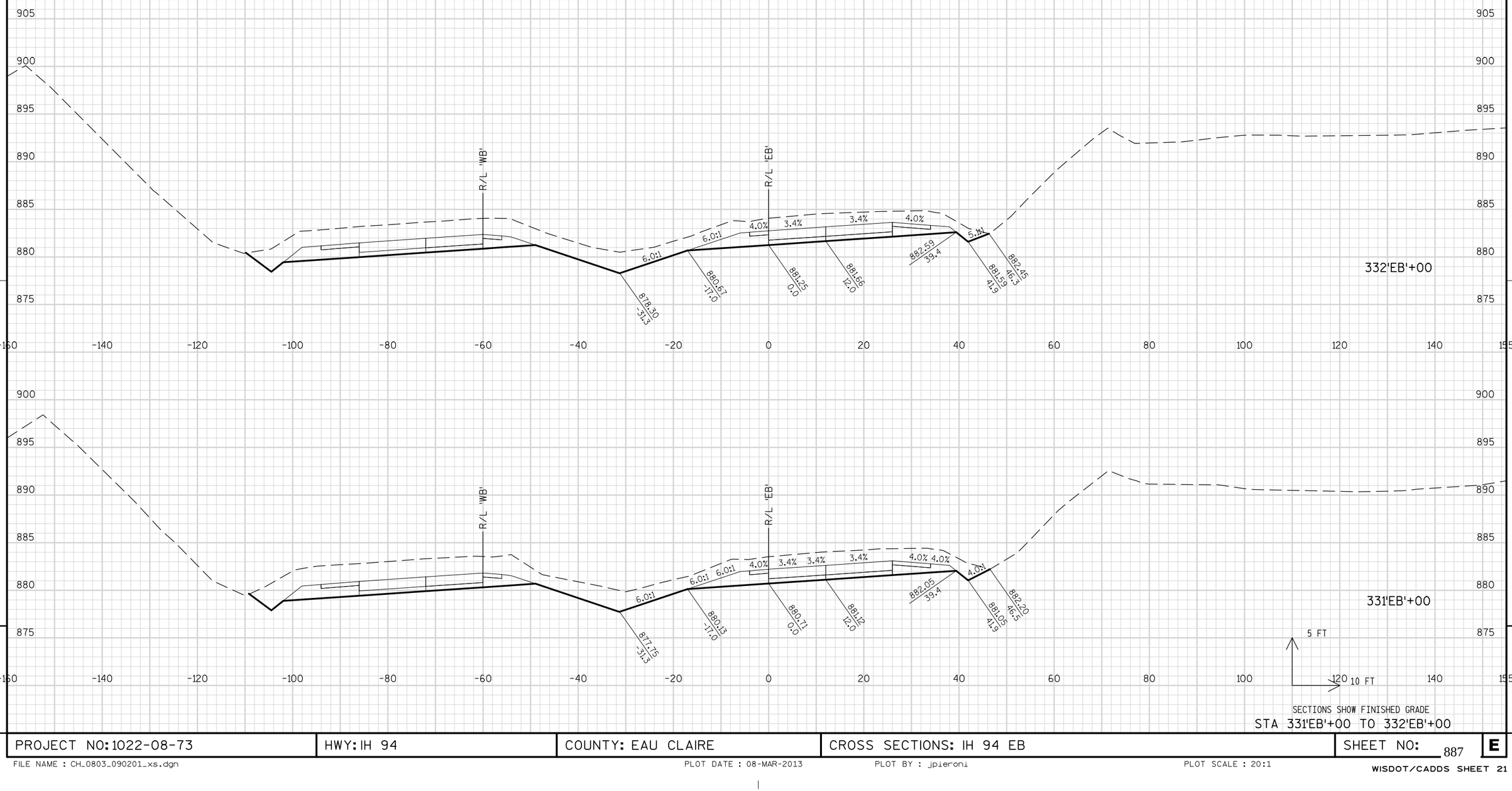


PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 EB	SHEET NO: 886	E

FILE NAME : CH_0803_090201_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

IH 94 EB WORK STAGE 5
SHOULDER AND MEDIAN GRADING WORK STAGE 6



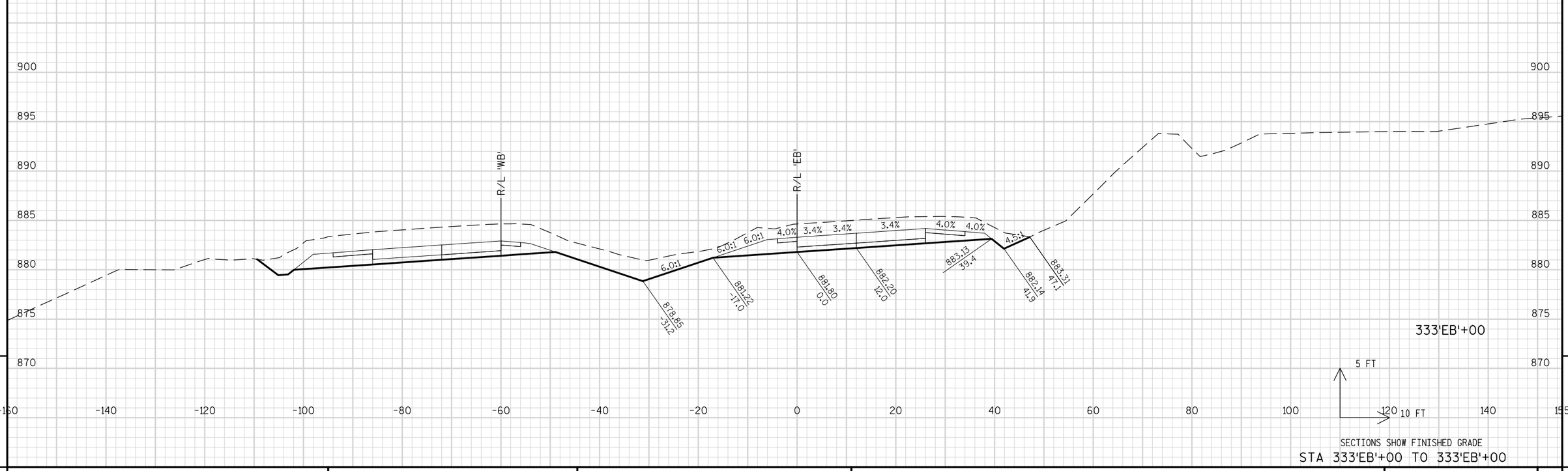
SECTIONS SHOW FINISHED GRADE
STA 331'EB'+00 TO 332'EB'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 EB	SHEET NO: 887	E

FILE NAME : CH_0803_090201_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

IH 94 EB WORK STAGE 5
SHOULDER AND MEDIAN GRADING WORK STAGE 6



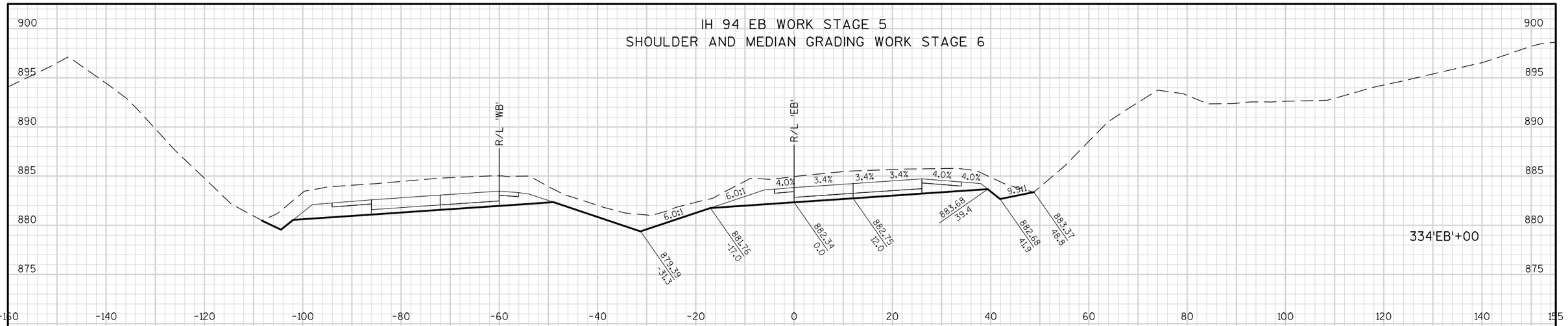
SECTIONS SHOW FINISHED GRADE
STA 333'EB'+00 TO 333'EB'+00

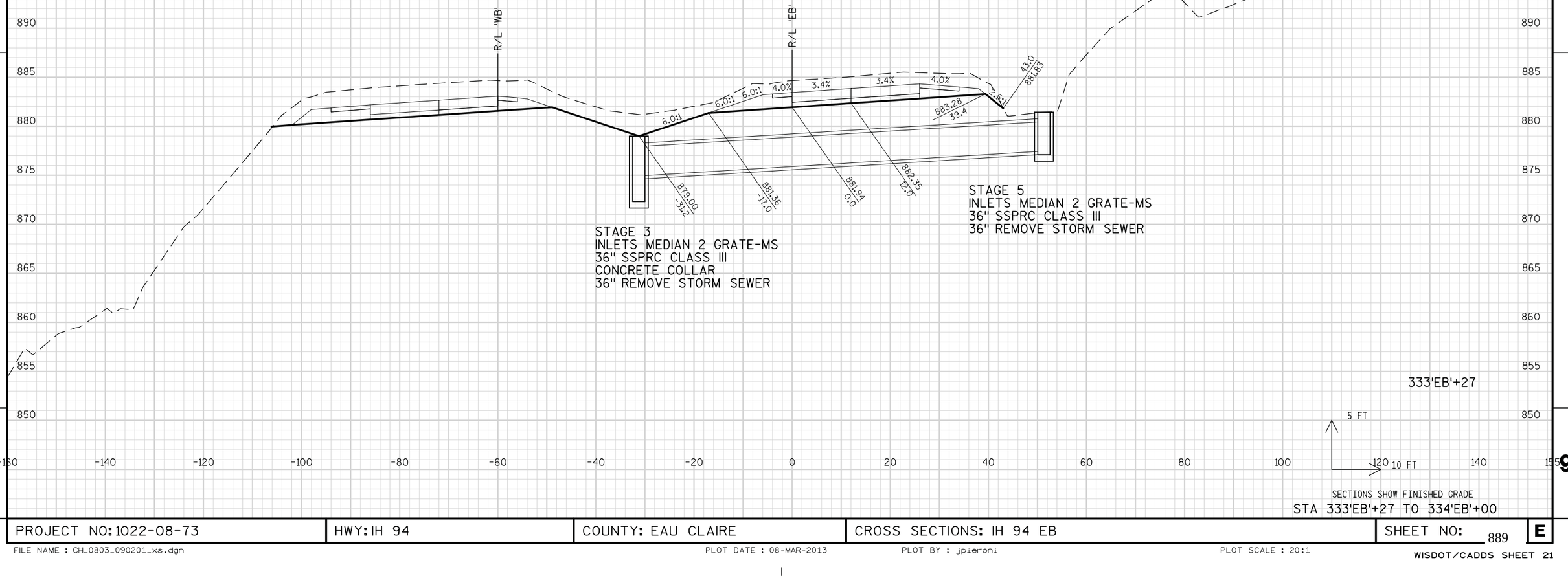
PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 EB	SHEET NO: 888	E

FILE NAME : CH_0803_090201_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

IH 94 EB WORK STAGE 5
SHOULDER AND MEDIAN GRADING WORK STAGE 6





STAGE 3
INLETS MEDIAN 2 GRATE-MS
36" SSPRC CLASS III
CONCRETE COLLAR
36" REMOVE STORM SEWER

STAGE 5
INLETS MEDIAN 2 GRATE-MS
36" SSPRC CLASS III
36" REMOVE STORM SEWER

SECTIONS SHOW FINISHED GRADE

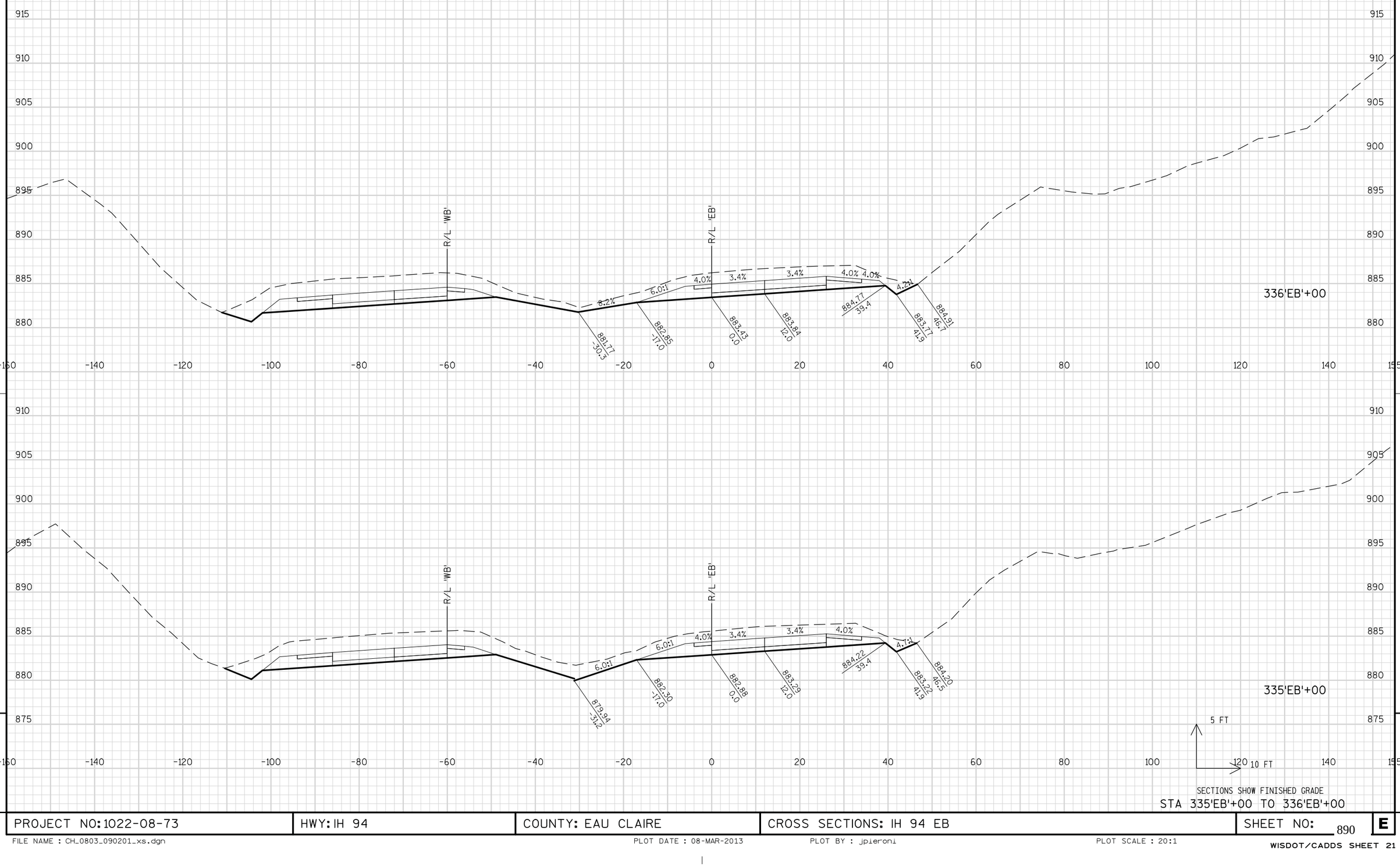
STA 333'EB'+27 TO 334'EB'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 EB	SHEET NO: 889	E

FILE NAME : CH_0803_090201_xs.dgn | PLOT DATE : 08-MAR-2013 | PLOT BY : jpieroni | PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

IH 94 EB WORK STAGE 5
SHOULDER AND MEDIAN GRADING WORK STAGE 6

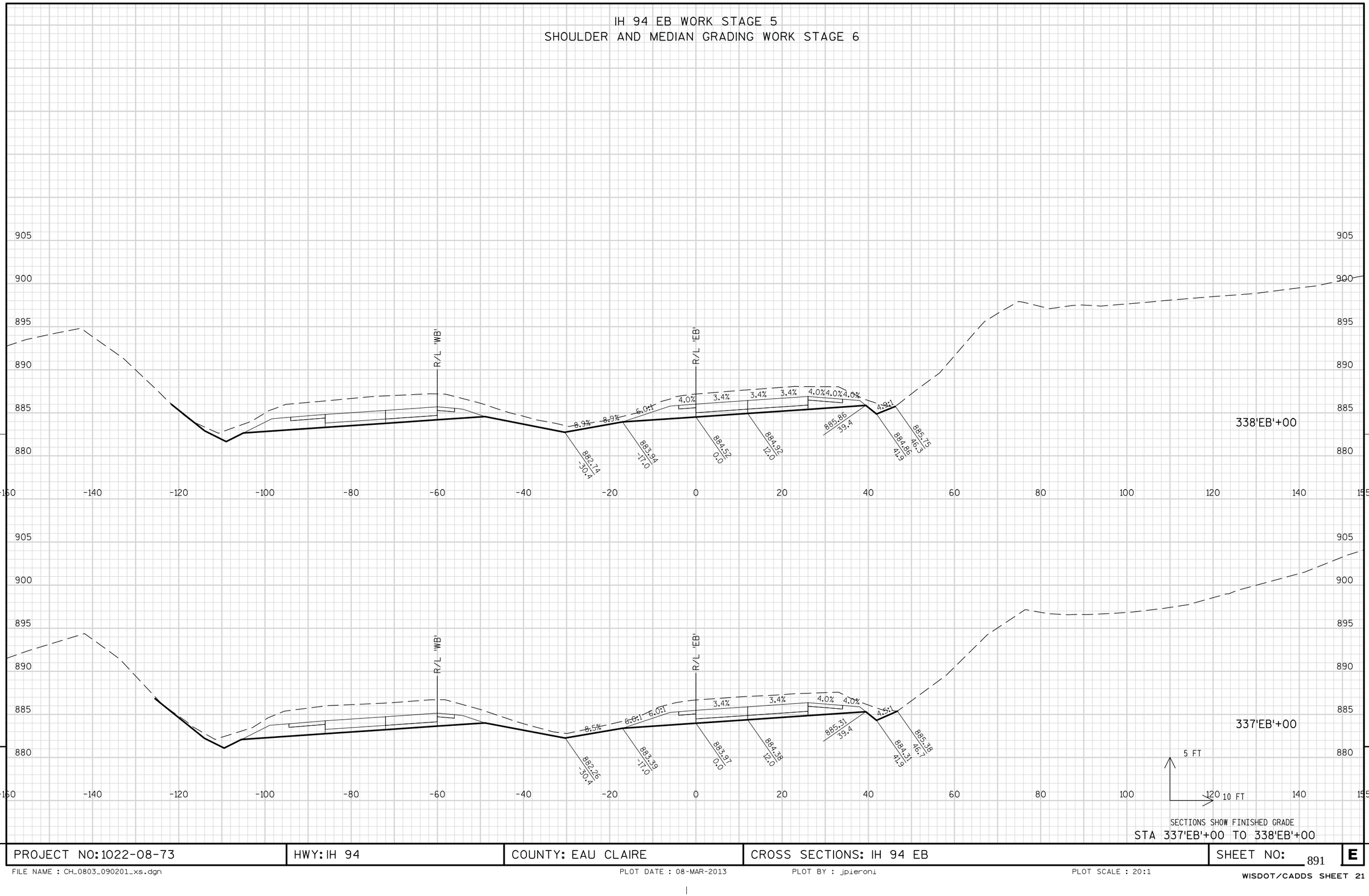


PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 EB	SHEET NO: 890 E

FILE NAME : CH_0803_090201_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

IH 94 EB WORK STAGE 5
SHOULDER AND MEDIAN GRADING WORK STAGE 6

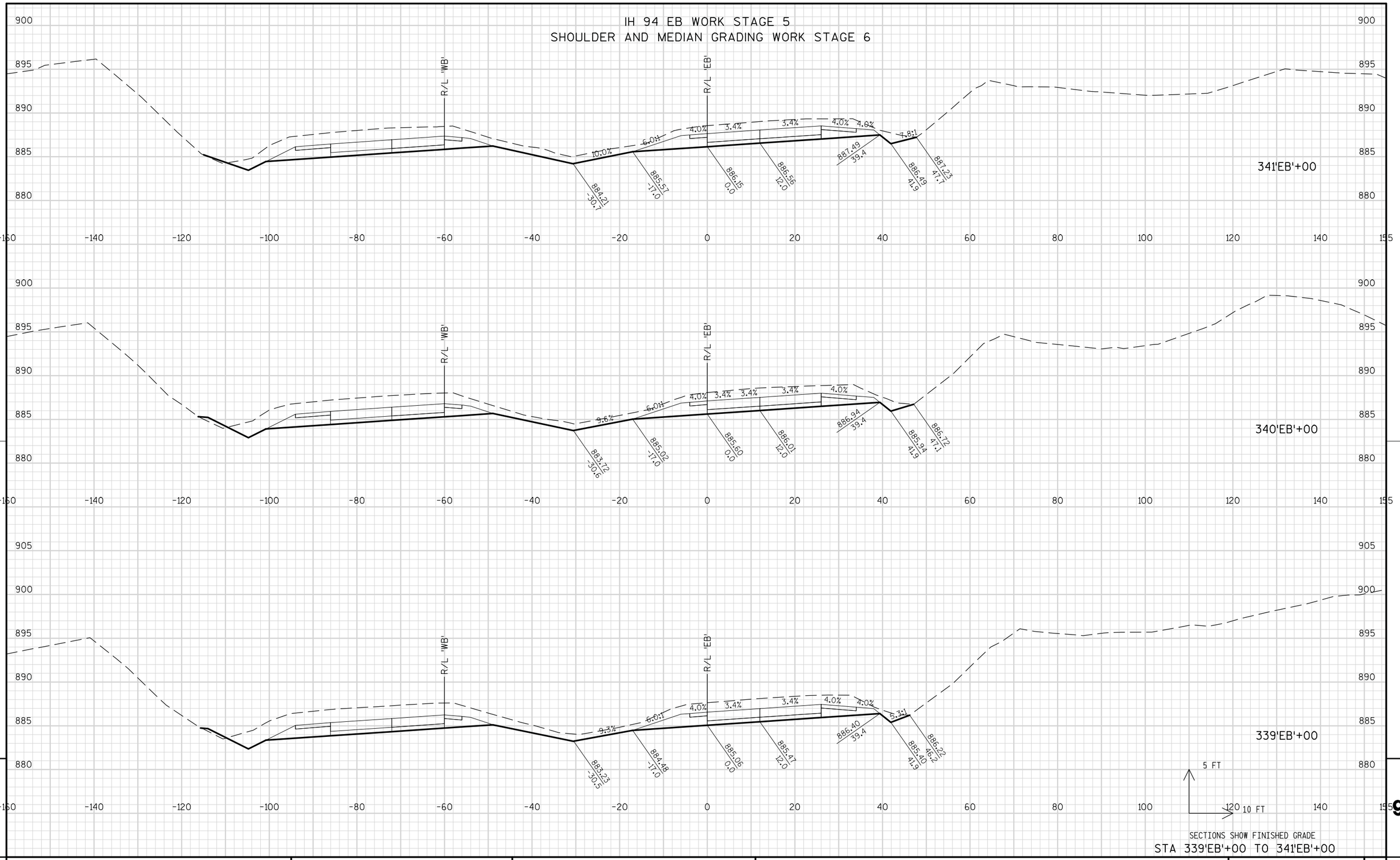


PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 EB	SHEET NO: 891	E

FILE NAME : CH_0803_090201_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

IH 94 EB WORK STAGE 5
SHOULDER AND MEDIAN GRADING WORK STAGE 6



SECTIONS SHOW FINISHED GRADE

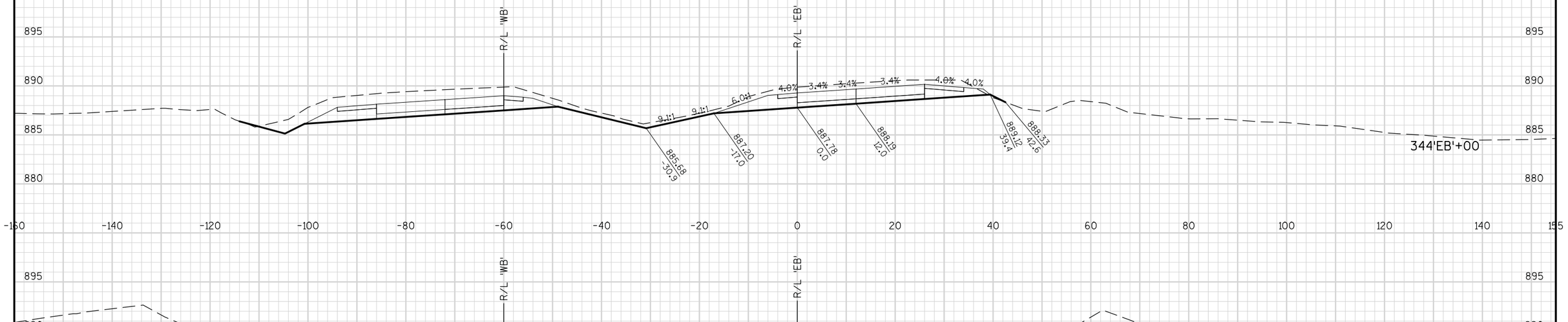
STA 339'EB'+00 TO 341'EB'+00

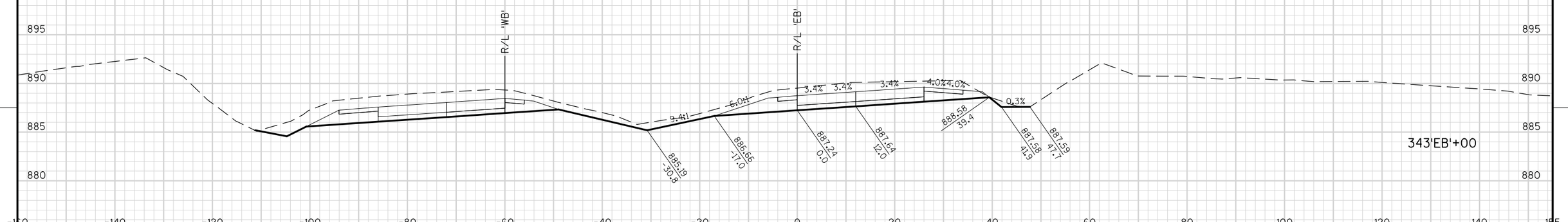
PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 EB	SHEET NO: 892	E

FILE NAME : CH_0803_090201_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

IH 94 EB WORK STAGE 5
SHOULDER AND MEDIAN GRADING WORK STAGE 6





9 9

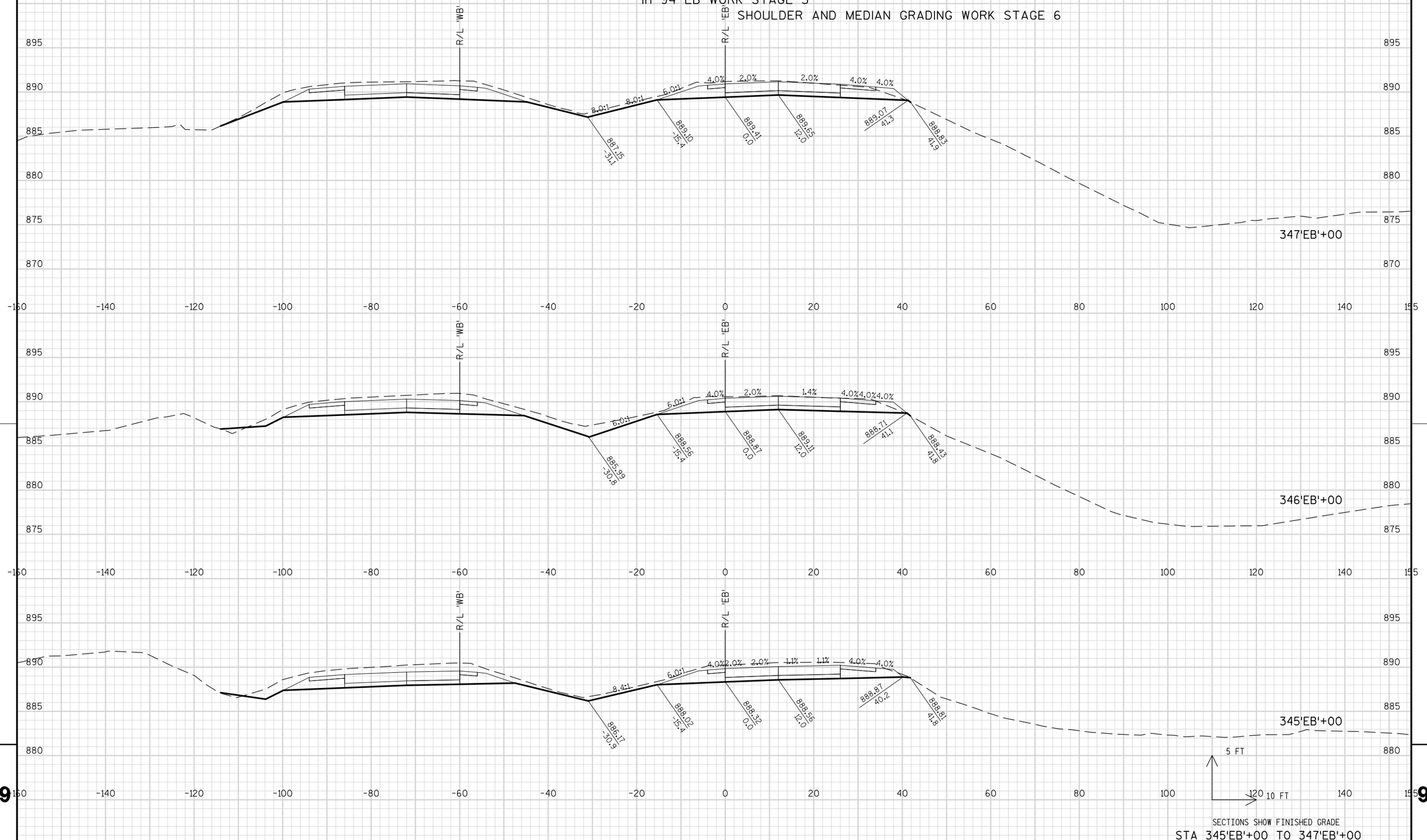
PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 EB	SHEET NO: 893	E

FILE NAME : CH_0803_090201_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

IH 94 EB WORK STAGE 5

SHOULDER AND MEDIAN GRADING WORK STAGE 6



SECTIONS SHOW FINISHED GRADE

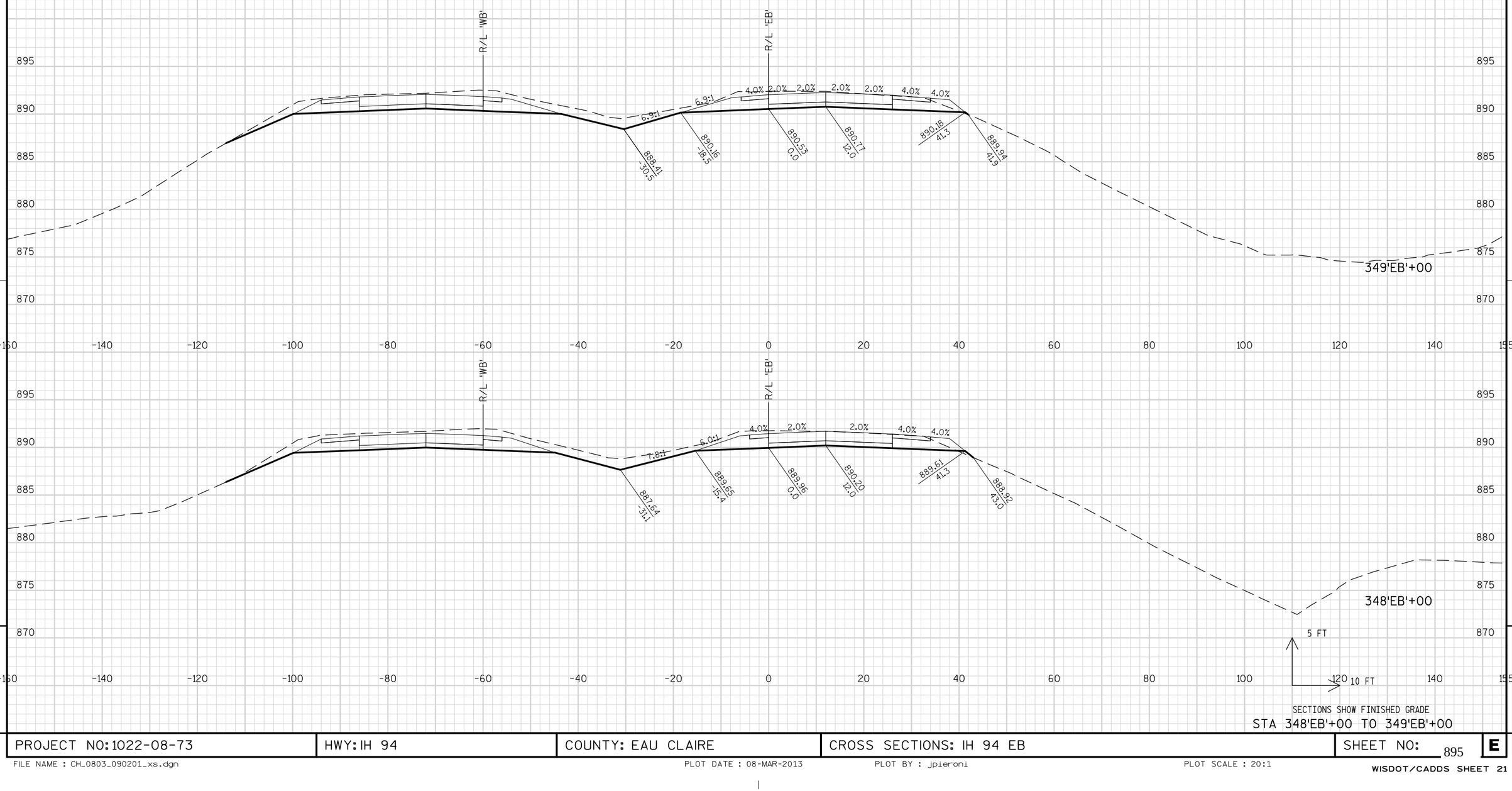
STA 345'EB'+00 TO 347'EB'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 EB	SHEET NO: 894	E

FILE NAME : CH_0803_090201_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

IH 94 EB WORK STAGE 5
SHOULDER AND MEDIAN GRADING WORK STAGE 6



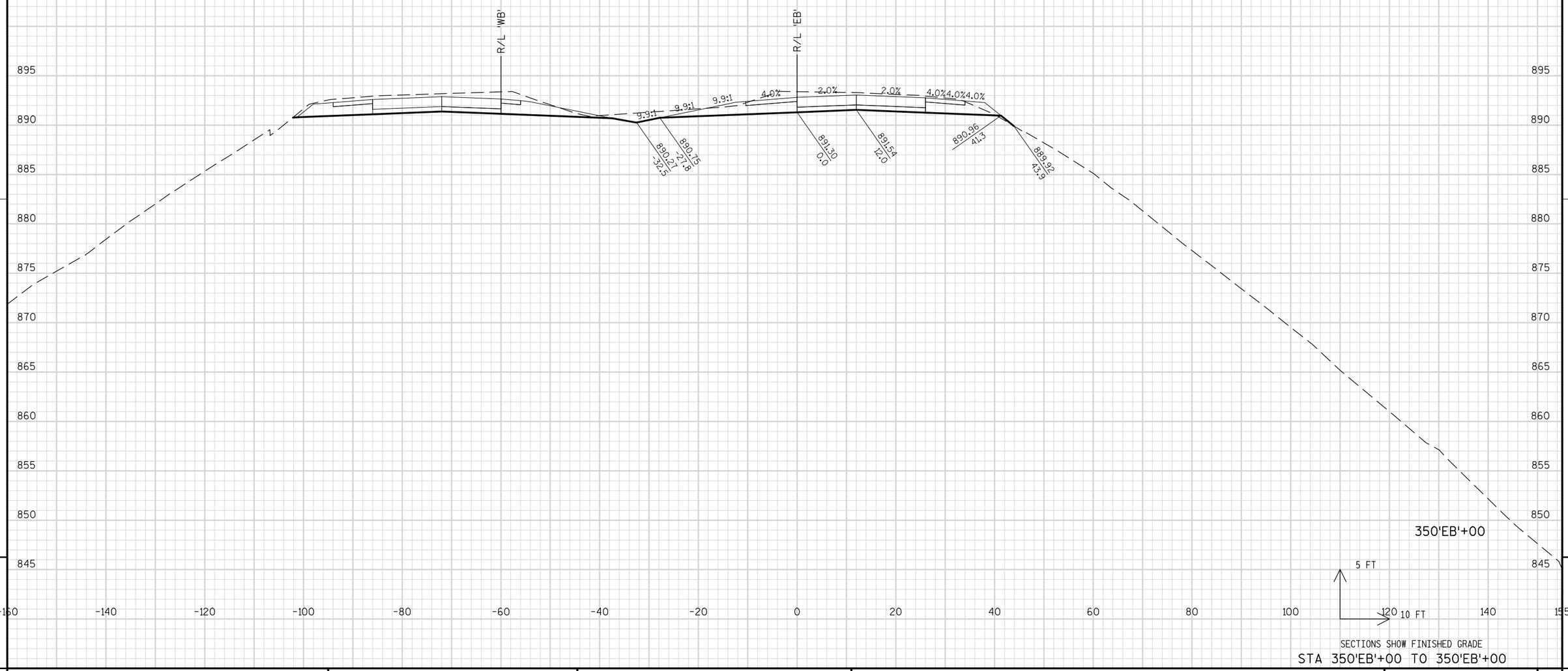
SECTIONS SHOW FINISHED GRADE
STA 348'EB'+00 TO 349'EB'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 EB	SHEET NO: 895 E

FILE NAME : CH_0803_090201_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

IH 94 EB WORK STAGE 5
SHOULDER AND MEDIAN GRADING WORK STAGE 6



SECTIONS SHOW FINISHED GRADE

STA 350'EB'+00 TO 350'EB'+00

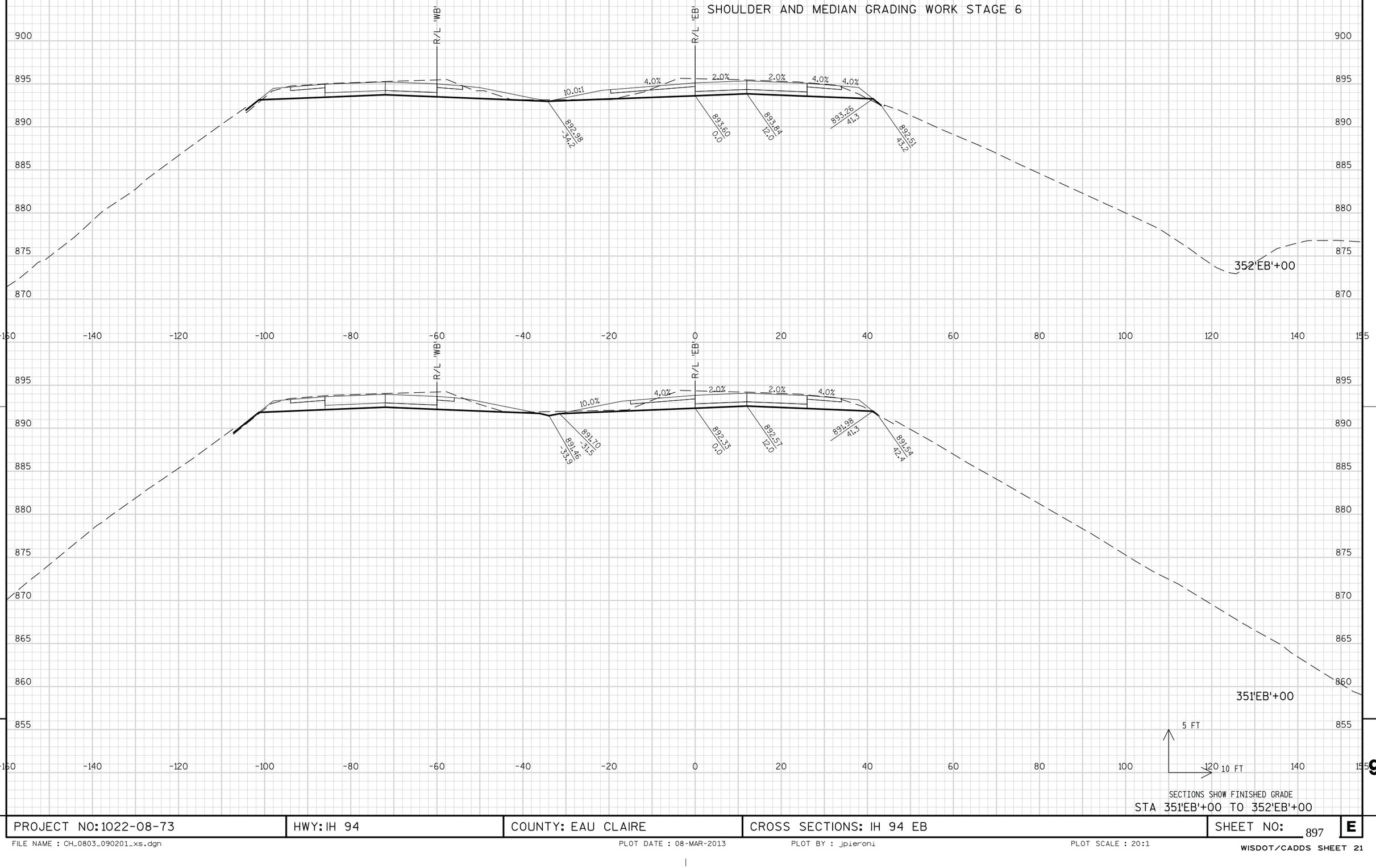
PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 EB	SHEET NO: 896	E

FILE NAME : CH_0803_090201_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

IH 94 EB WORK STAGE 5

SHOULDER AND MEDIAN GRADING WORK STAGE 6



SECTIONS SHOW FINISHED GRADE

STA 351'EB'+00 TO 352'EB'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 EB	SHEET NO: 897	E

FILE NAME : CH_0803_090201_xs.dgn

PLOT DATE : 08-MAR-2013

PLOT BY : jpieroni

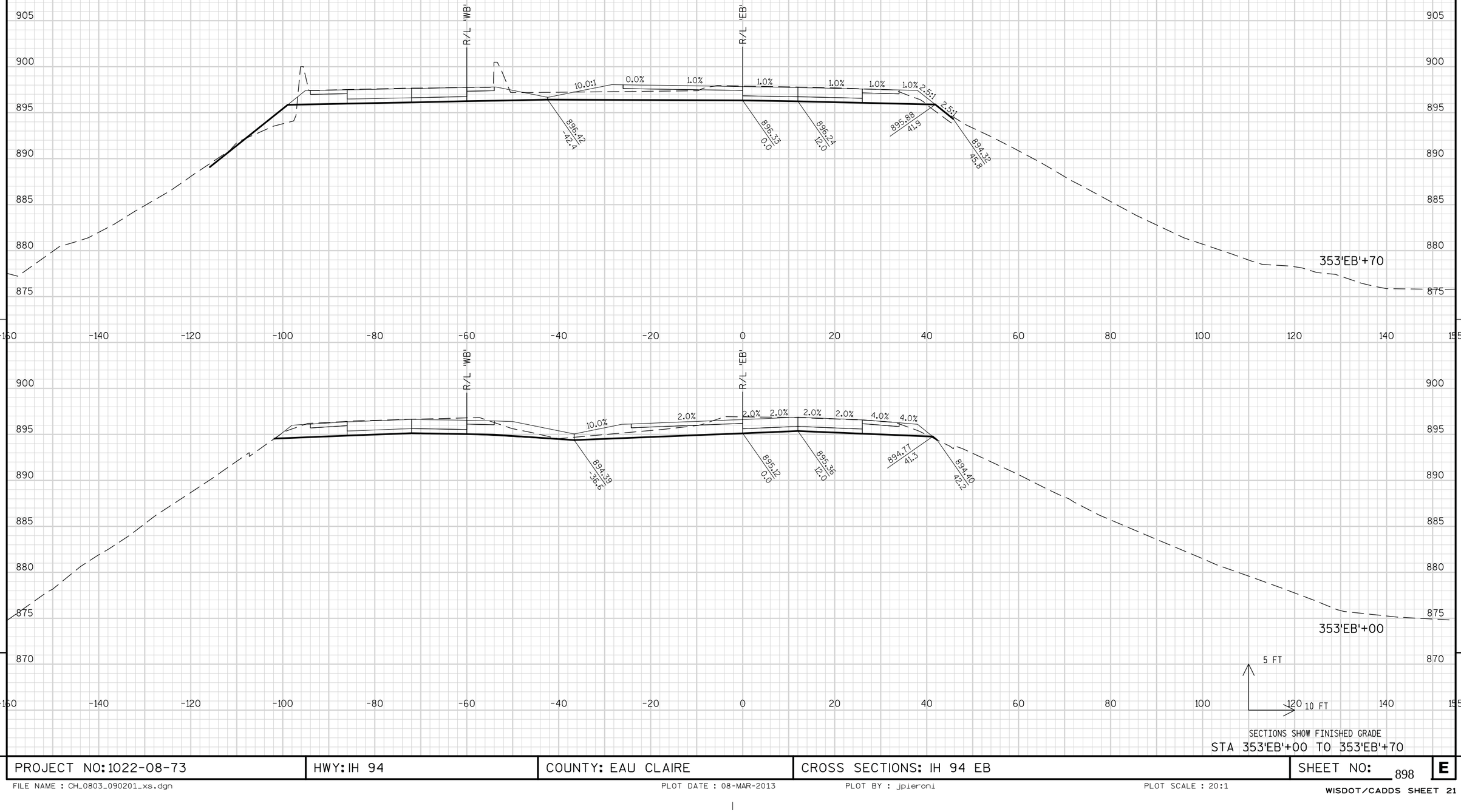
PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

IH 94 EB WORK STAGE 5
SHOULDER AND MEDIAN GRADING WORK STAGE 6

B-18-29

END ABRUPT



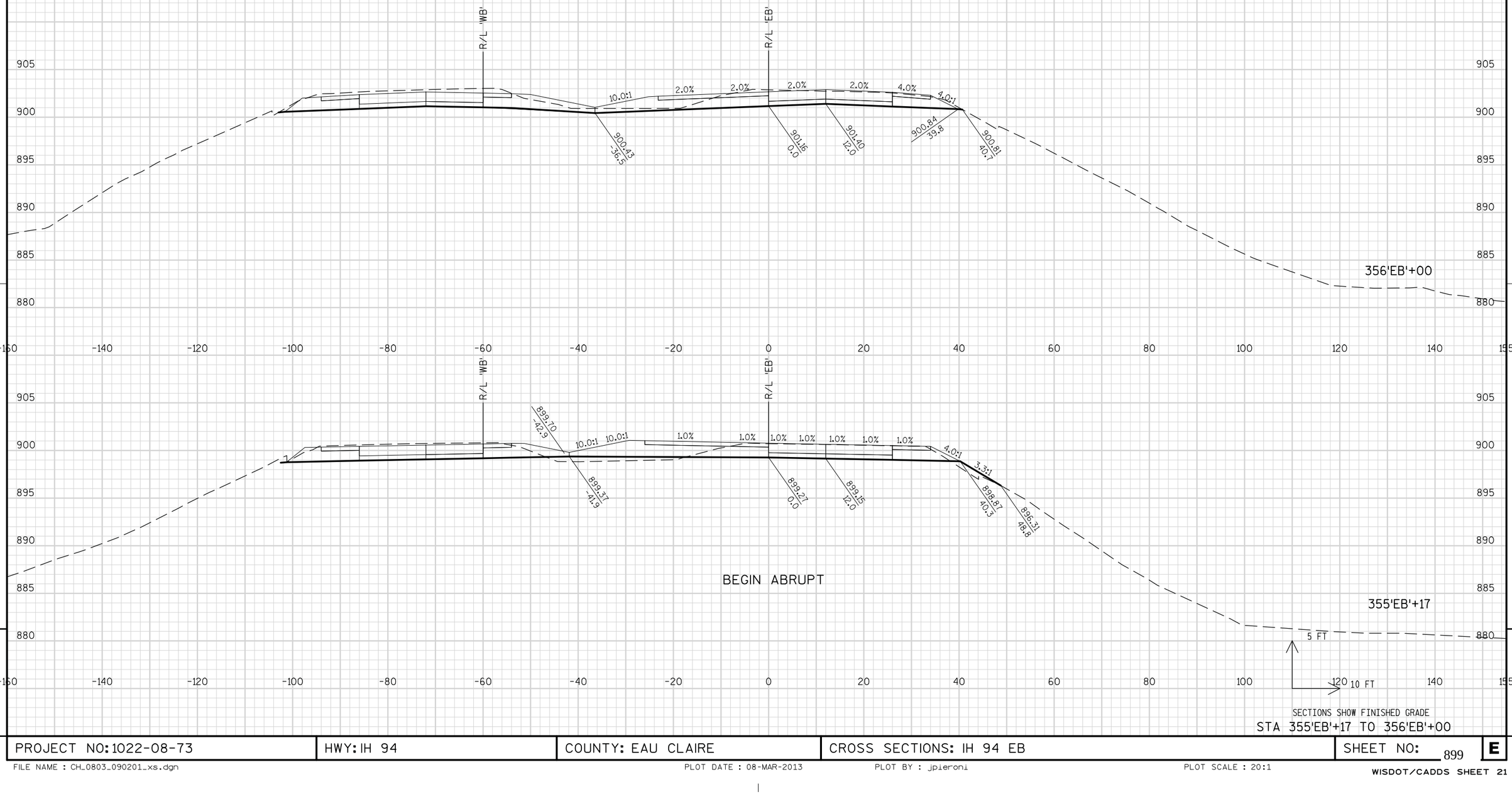
SECTIONS SHOW FINISHED GRADE
STA 353'EB'+00 TO 353'EB'+70

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 EB	SHEET NO: 898	E

FILE NAME : CH_0803_090201_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

IH 94 EB WORK STAGE 5
SHOULDER AND MEDIAN GRADING WORK STAGE 6



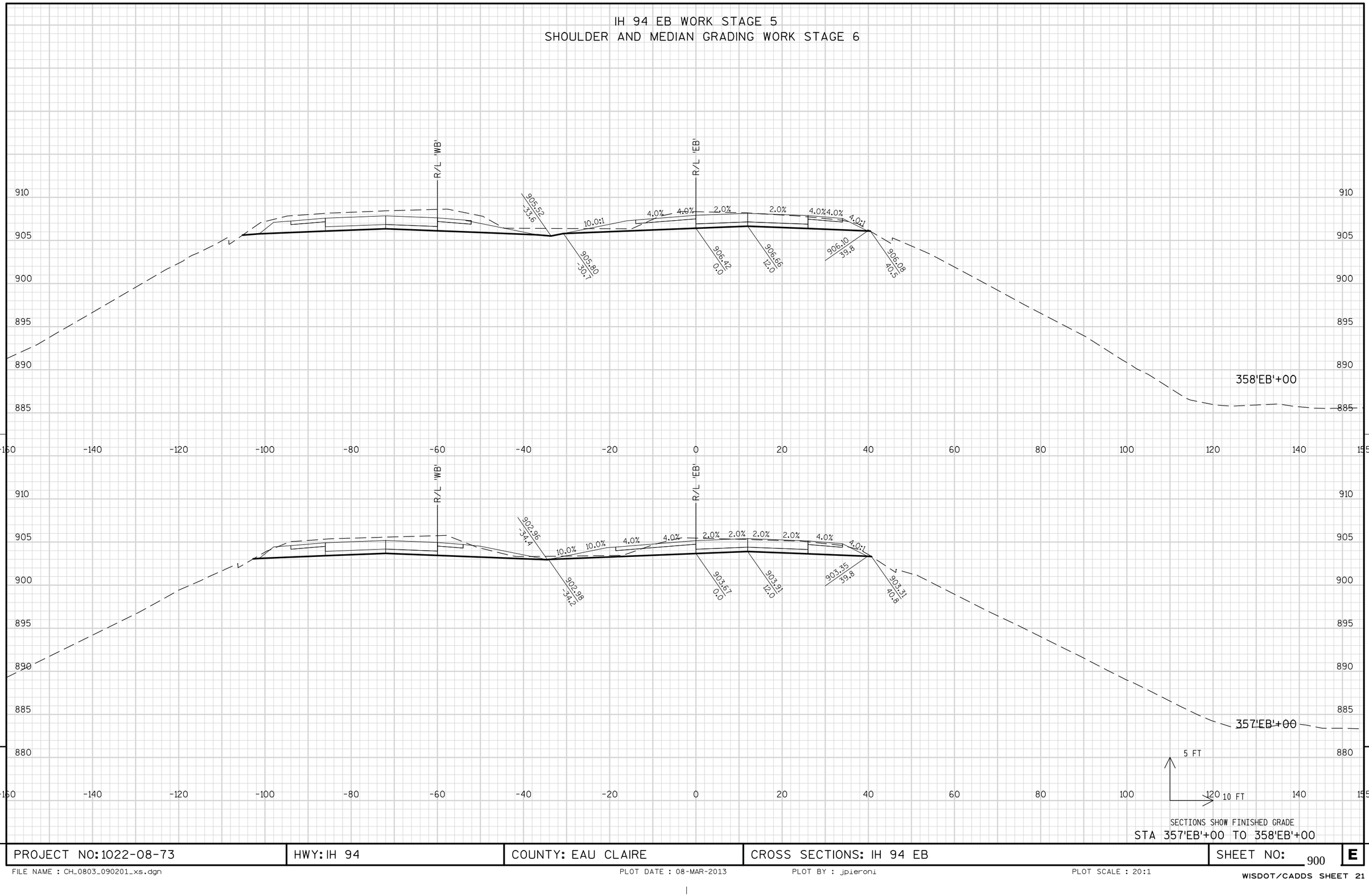
SECTIONS SHOW FINISHED GRADE
STA 355'EB'+17 TO 356'EB'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 EB	SHEET NO: 899 E

FILE NAME : CH_0803_090201_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

IH 94 EB WORK STAGE 5
SHOULDER AND MEDIAN GRADING WORK STAGE 6



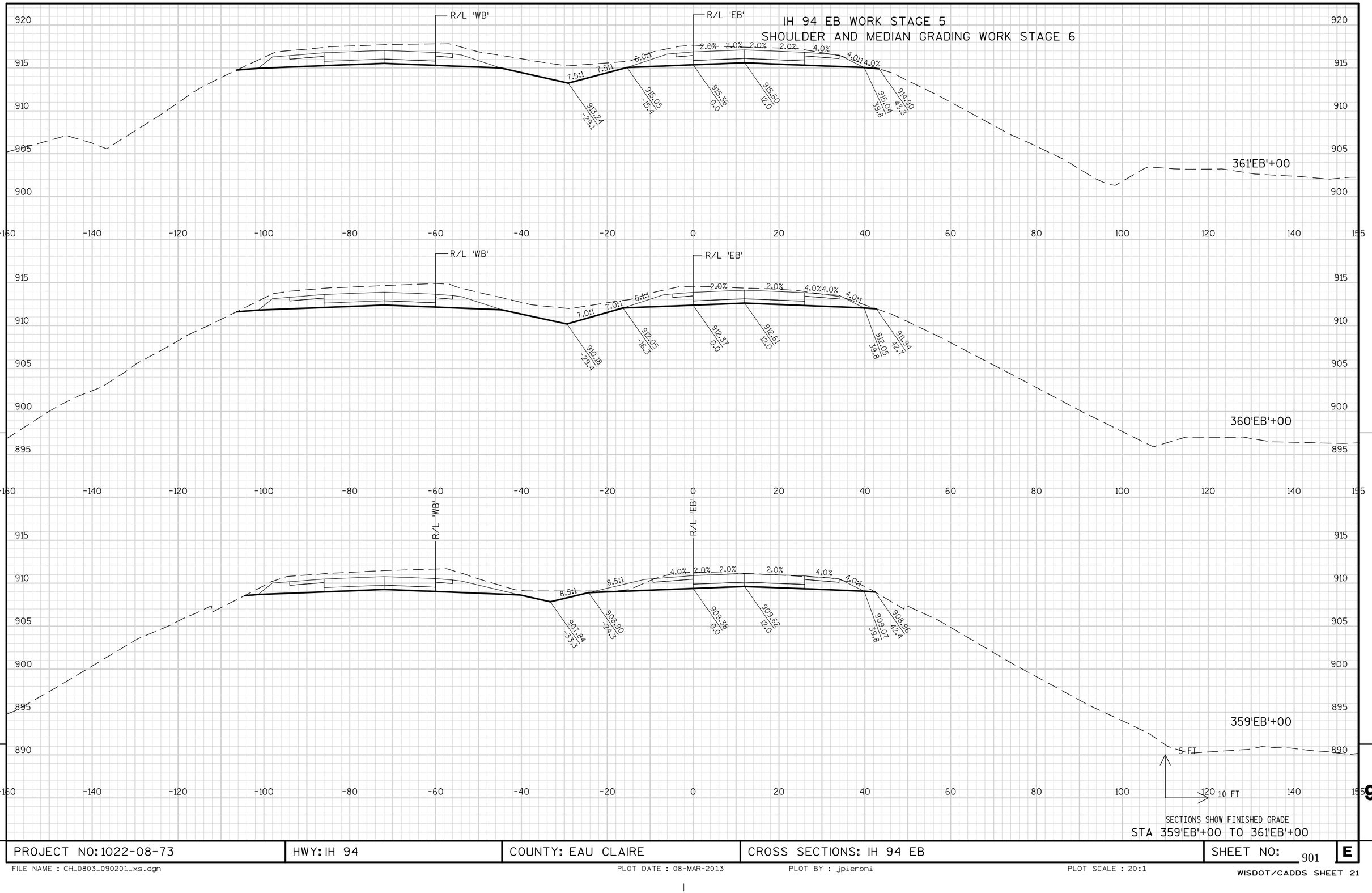
SECTIONS SHOW FINISHED GRADE
STA 357'EB'+00 TO 358'EB'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 EB	SHEET NO: 900	E

FILE NAME : CH_0803_090201_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

IH 94 EB WORK STAGE 5
SHOULDER AND MEDIAN GRADING WORK STAGE 6



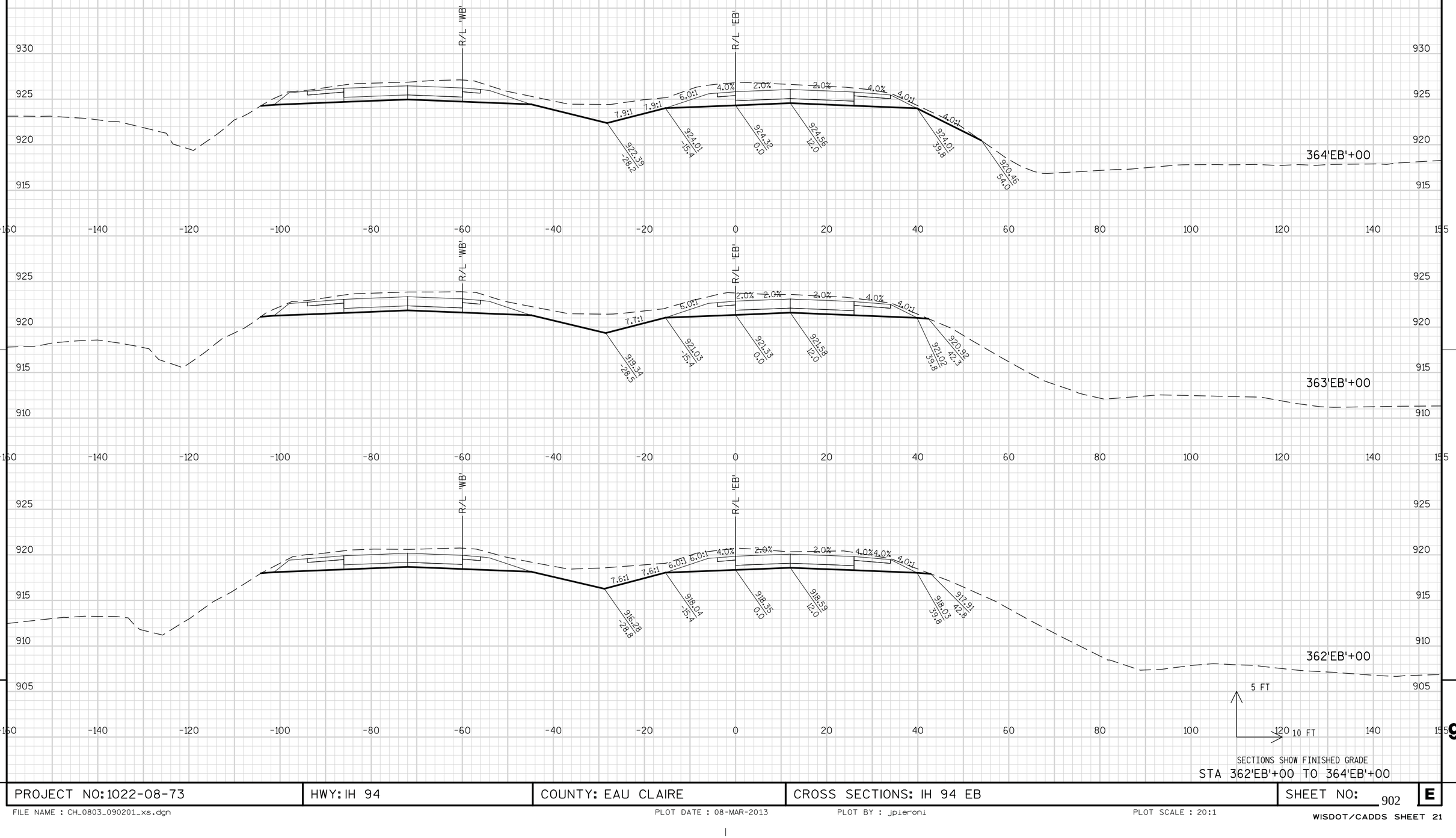
SECTIONS SHOW FINISHED GRADE
STA 359'EB'+00 TO 361'EB'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 EB	SHEET NO: 901 E

FILE NAME : CH_0803_090201_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

IH 94 EB WORK STAGE 5
SHOULDER AND MEDIAN GRADING WORK STAGE 6

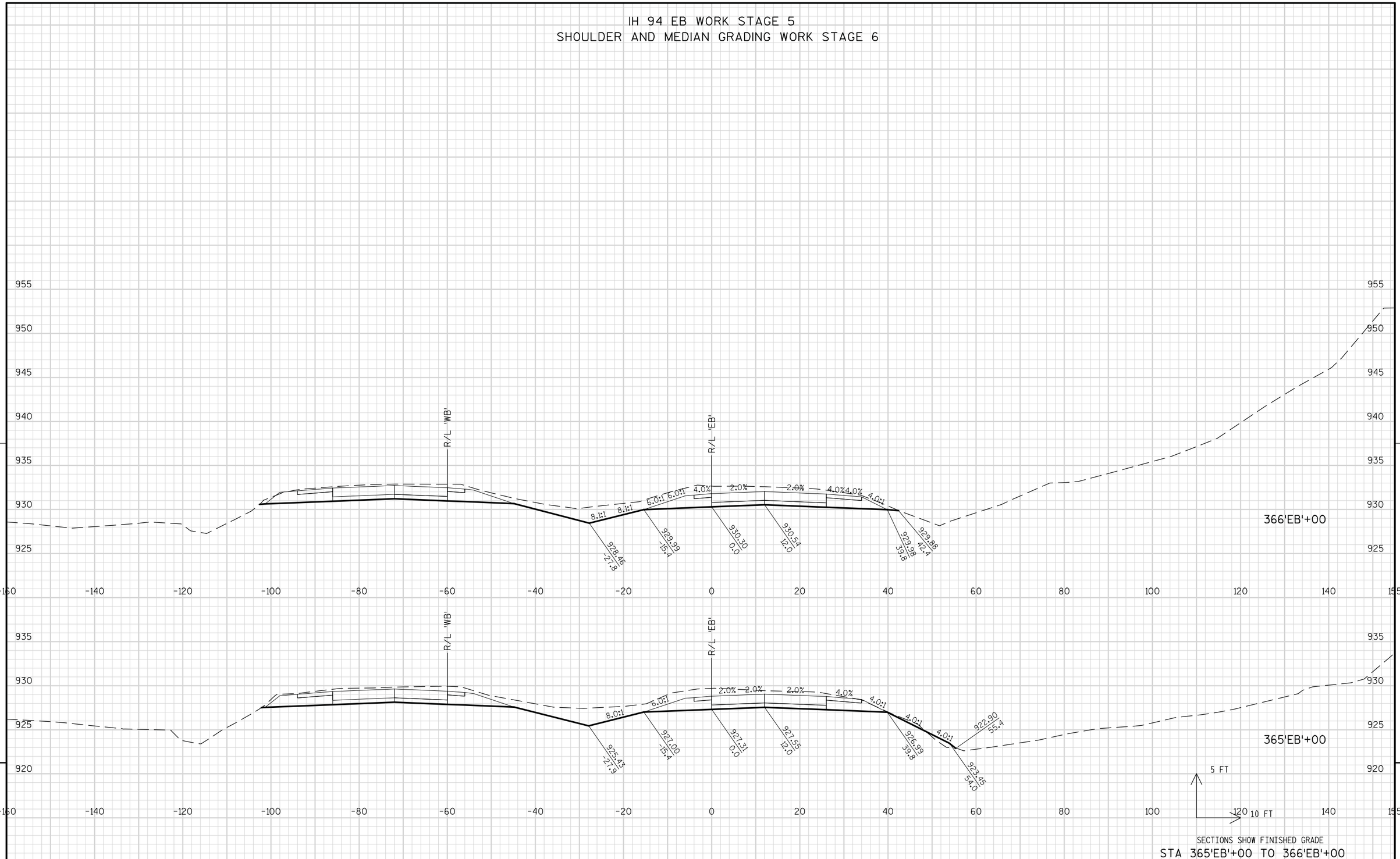


PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 EB	SHEET NO: 902	E

FILE NAME : CH_0803_090201_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

IH 94 EB WORK STAGE 5
SHOULDER AND MEDIAN GRADING WORK STAGE 6

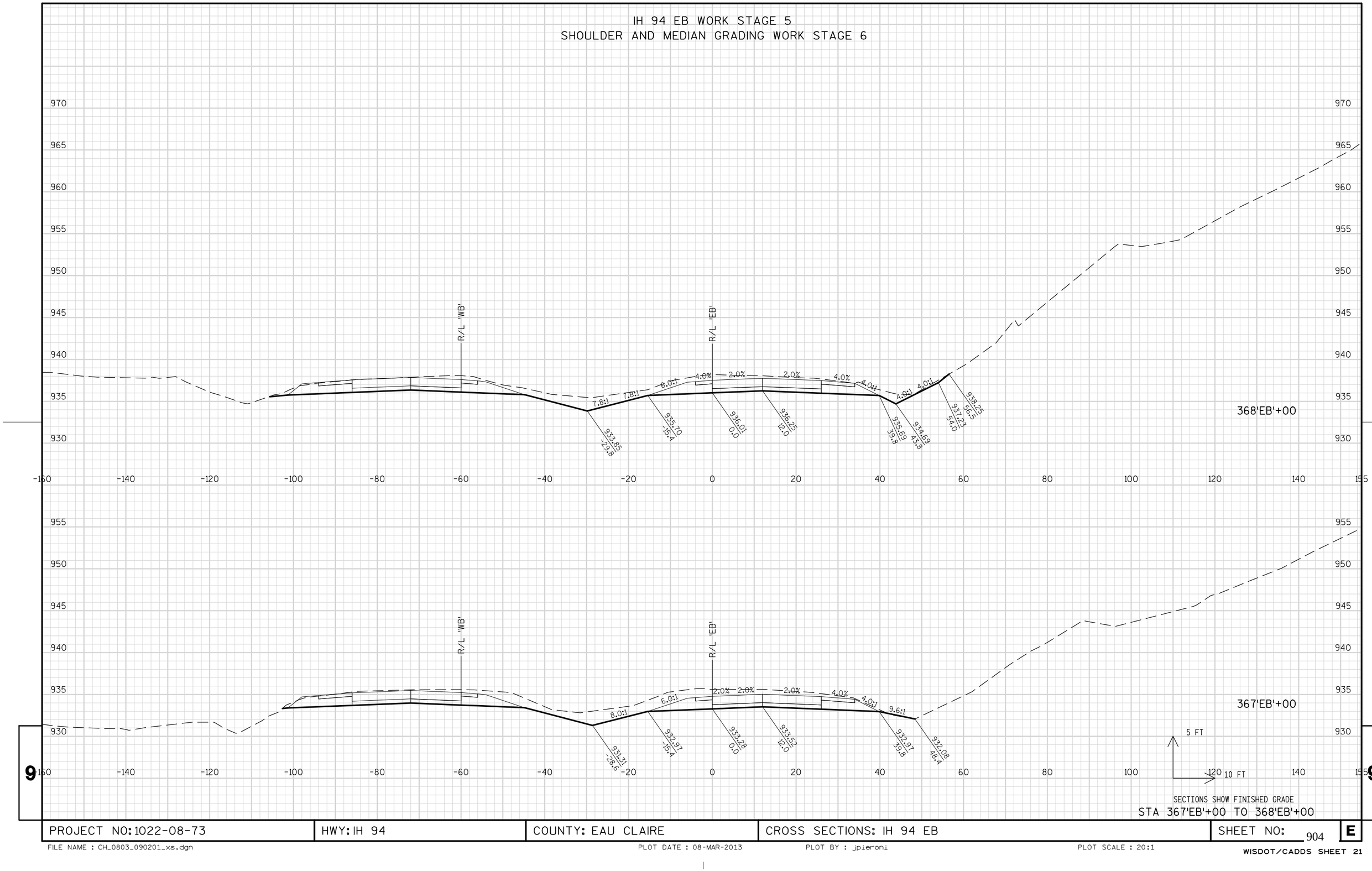


SECTIONS SHOW FINISHED GRADE
STA 365'EB'+00 TO 366'EB'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 EB	SHEET NO: 903	E

FILE NAME : CH_0803_090201_xs.dgn
PLOT DATE : 08-MAR-2013
PLOT BY : jpieroni
PLOT SCALE : 20:1

IH 94 EB WORK STAGE 5
SHOULDER AND MEDIAN GRADING WORK STAGE 6



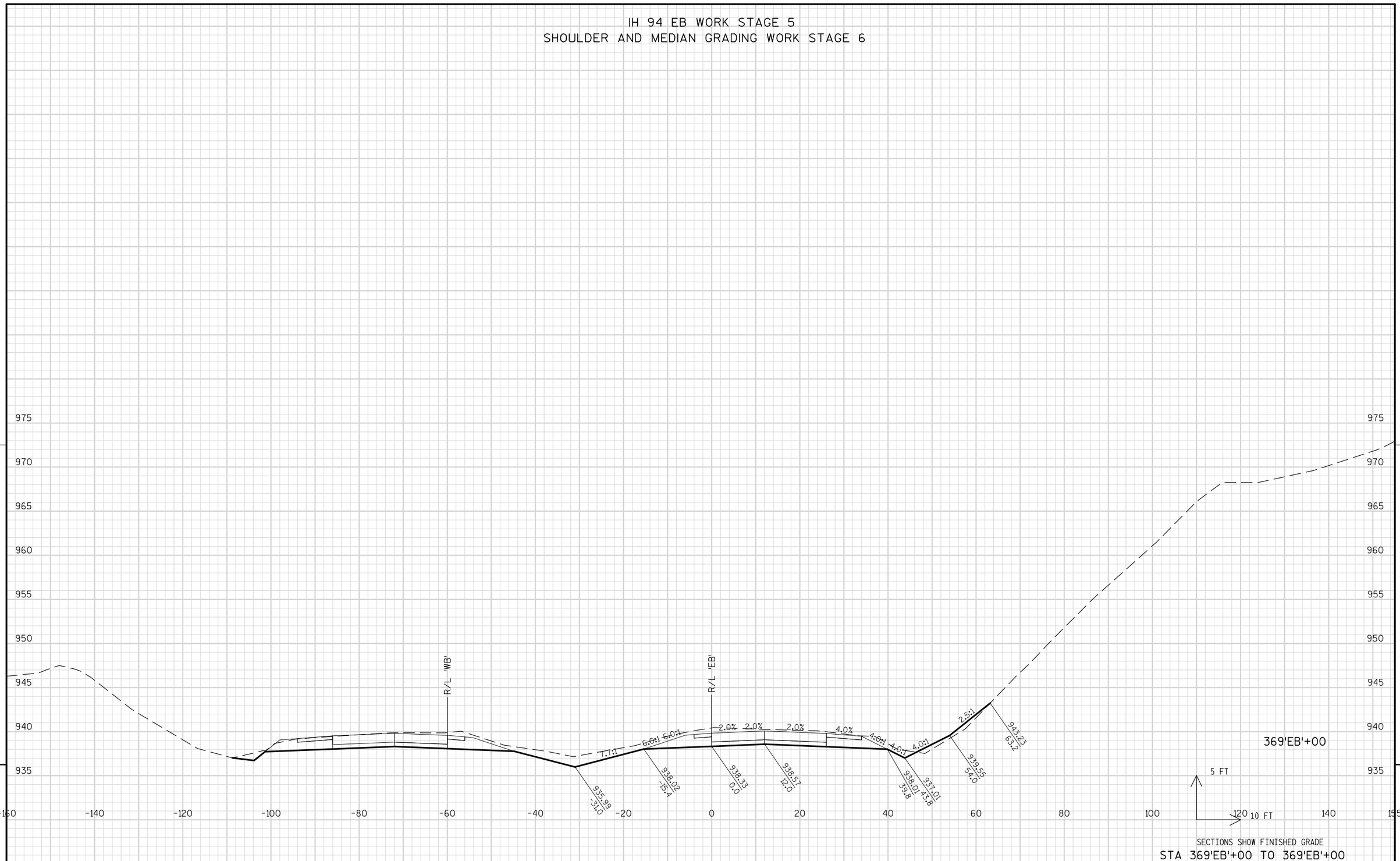
SECTIONS SHOW FINISHED GRADE
STA 367'EB'+00 TO 368'EB'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 EB	SHEET NO: 904	E

FILE NAME : CH_0803_090201_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

IH 94 EB WORK STAGE 5
SHOULDER AND MEDIAN GRADING WORK STAGE 6

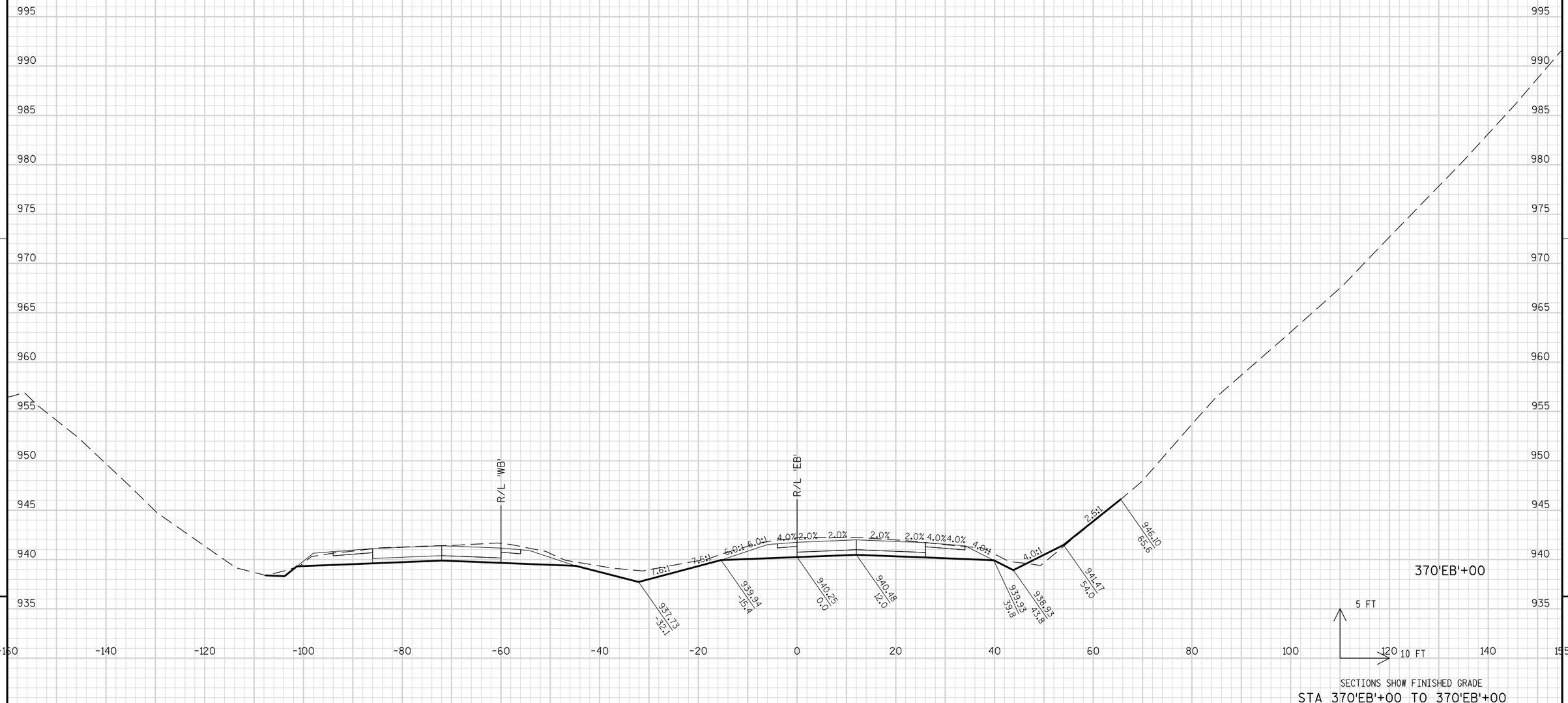


PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 EB	SHEET NO: 905	E

FILE NAME : CH_0803_090201_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

IH 94 EB WORK STAGE 5
SHOULDER AND MEDIAN GRADING WORK STAGE 6



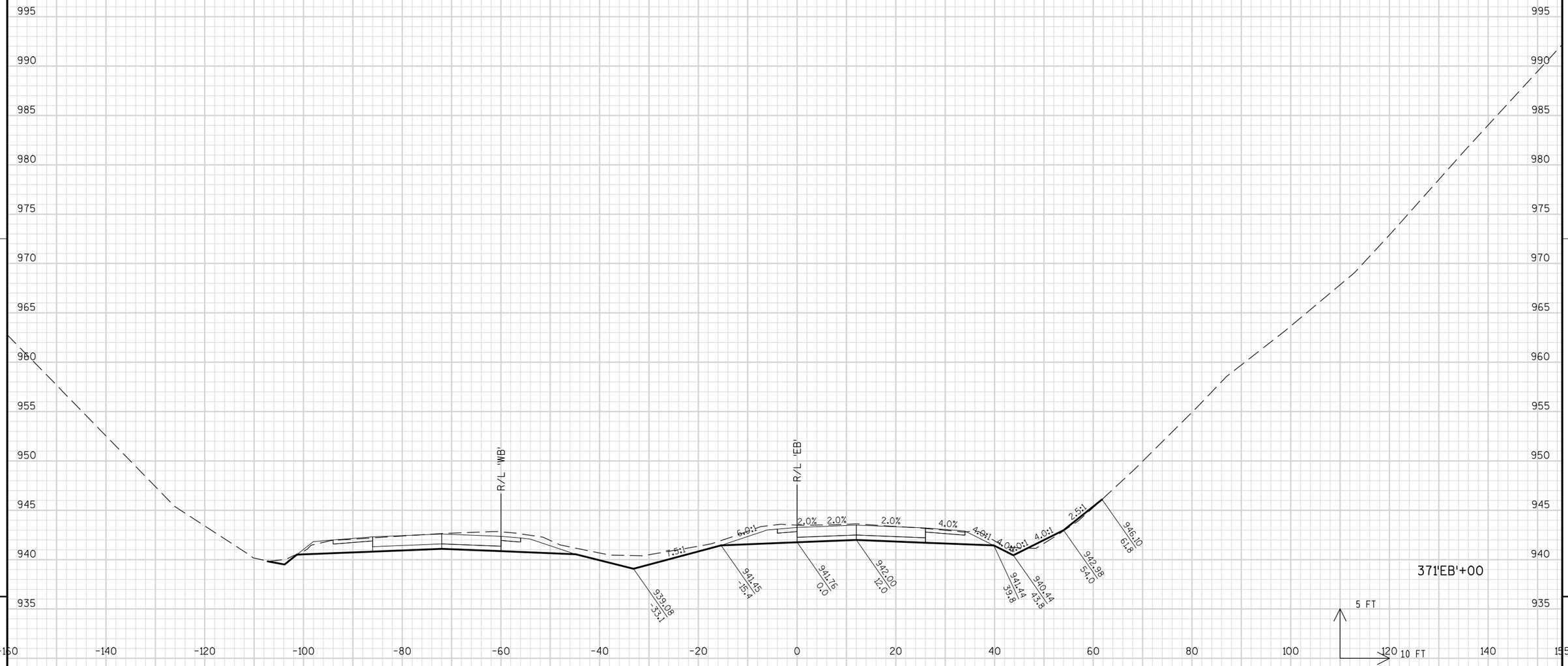
STA 370'EB'+00 TO 370'EB'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 EB	SHEET NO: 906	E

FILE NAME : CH_0803_090201_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

IH 94 EB WORK STAGE 5
SHOULDER AND MEDIAN GRADING WORK STAGE 6



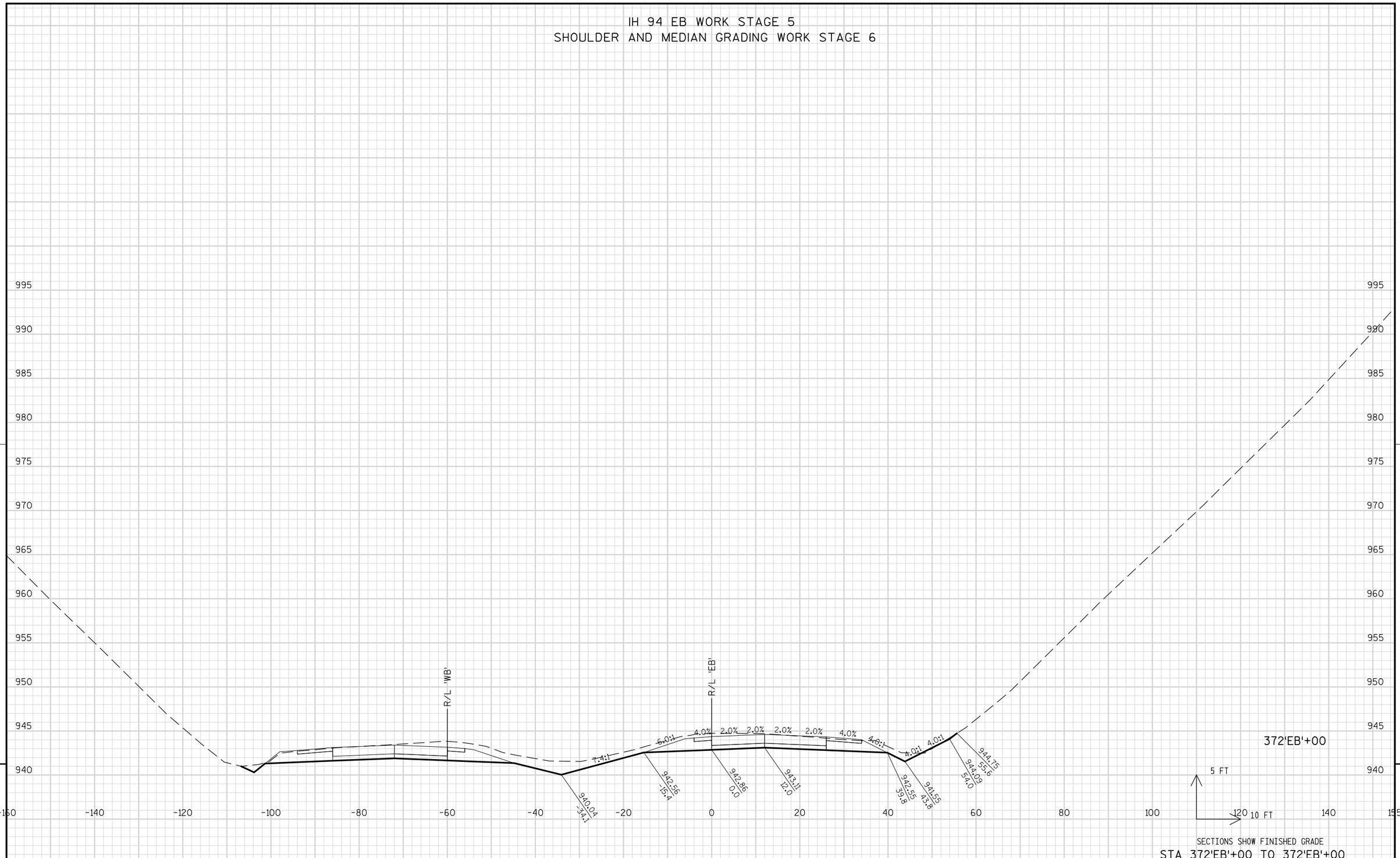
SECTIONS SHOW FINISHED GRADE
STA 371'EB'+00 TO 371'EB'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 EB	SHEET NO: 907	E

FILE NAME : CH_0803_090201_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

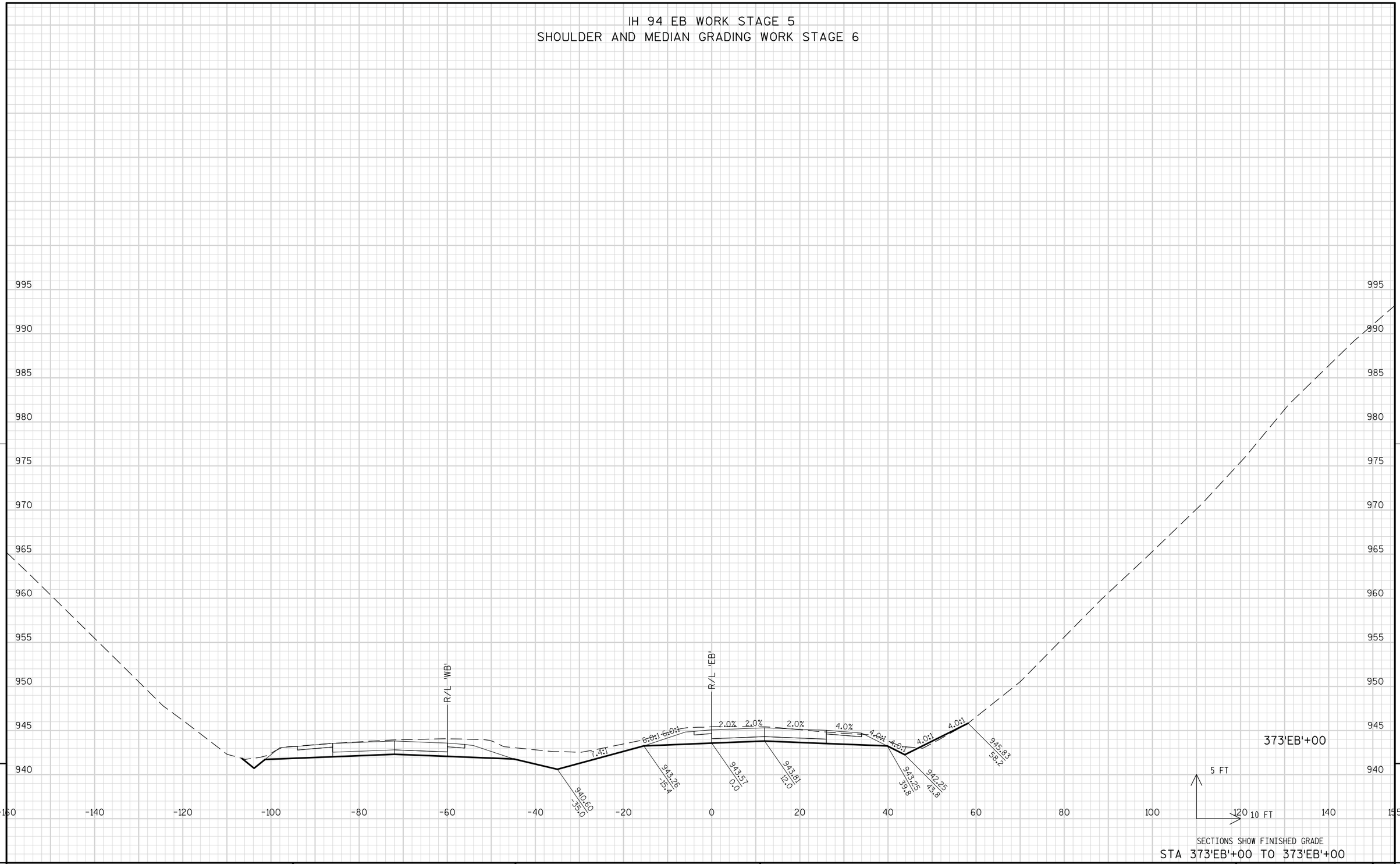
IH 94 EB WORK STAGE 5
SHOULDER AND MEDIAN GRADING WORK STAGE 6



PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 EB	SHEET NO: 908	E

FILE NAME : CH_0803_090201_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

IH 94 EB WORK STAGE 5
SHOULDER AND MEDIAN GRADING WORK STAGE 6

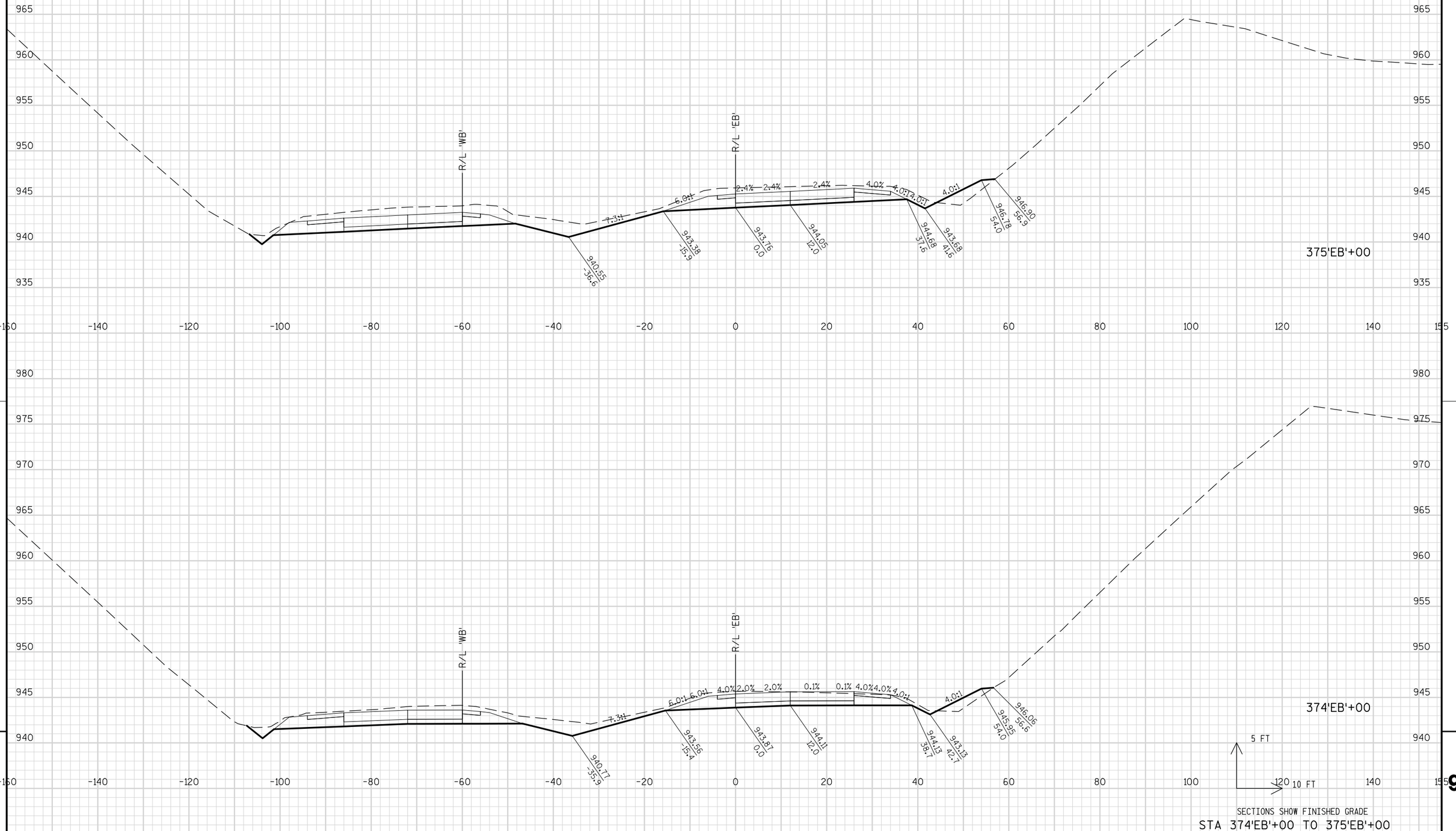


PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 EB	SHEET NO: 909 E

FILE NAME : CH_0803_090201_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

IH 94 EB WORK STAGE 5
SHOULDER AND MEDIAN GRADING WORK STAGE 6



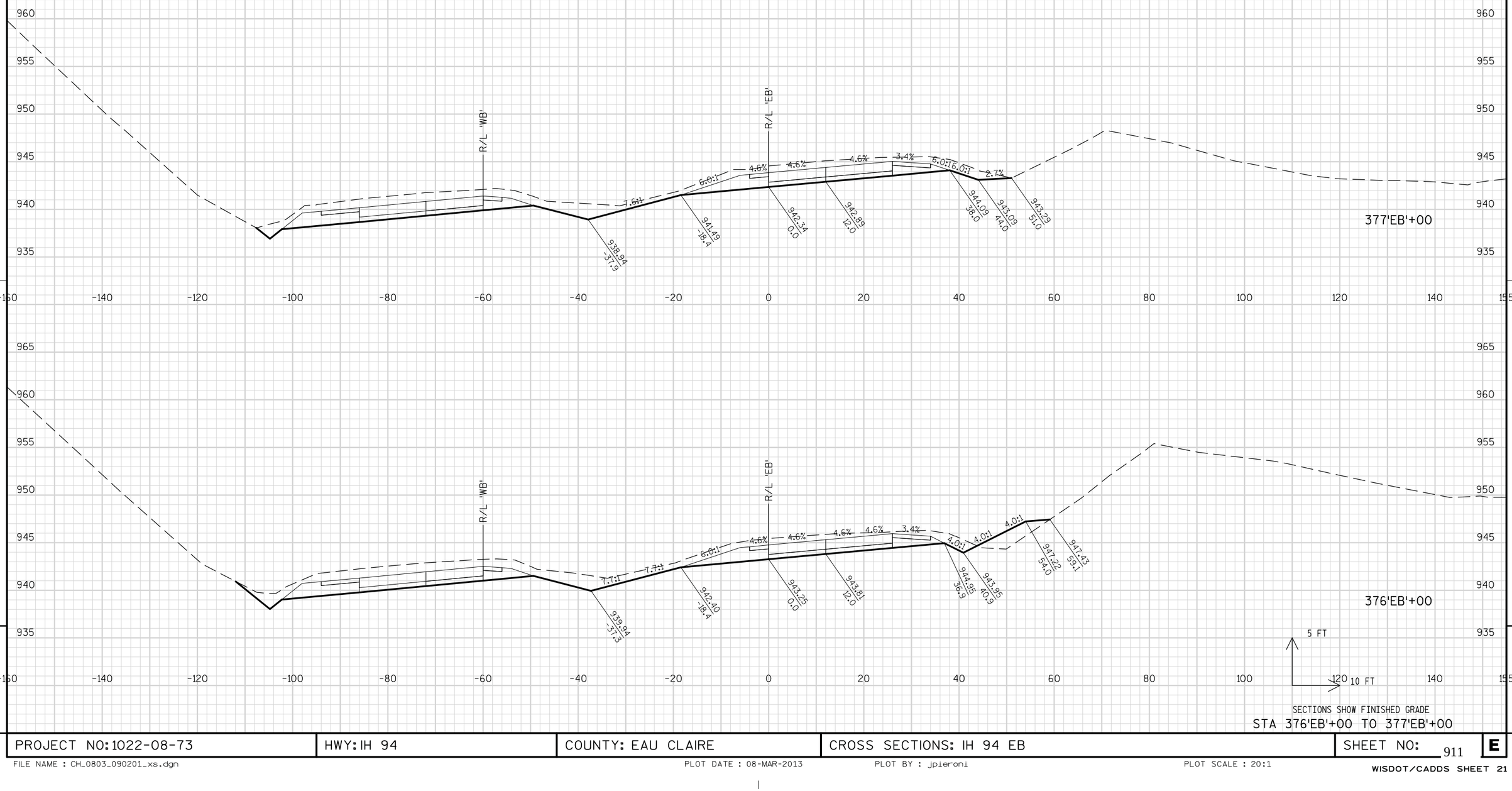
SECTIONS SHOW FINISHED GRADE
STA 374'EB'+00 TO 375'EB'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 EB	SHEET NO: 910	E

FILE NAME : CH_0803_090201_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

IH 94 EB WORK STAGE 5
SHOULDER AND MEDIAN GRADING WORK STAGE 6



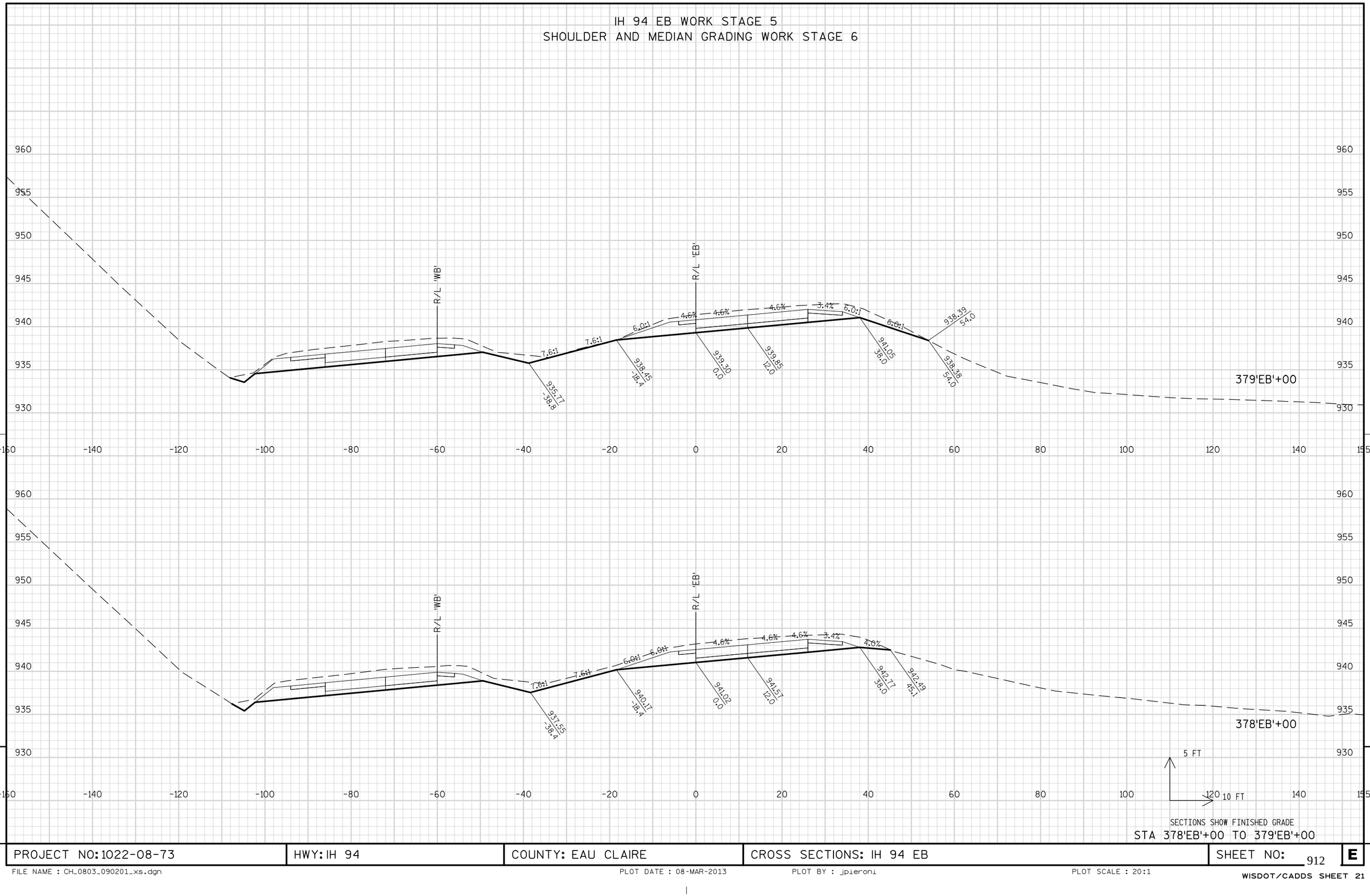
SECTIONS SHOW FINISHED GRADE
STA 376'EB'+00 TO 377'EB'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 EB	SHEET NO: 911	E

FILE NAME : CH_0803_090201_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

IH 94 EB WORK STAGE 5
SHOULDER AND MEDIAN GRADING WORK STAGE 6



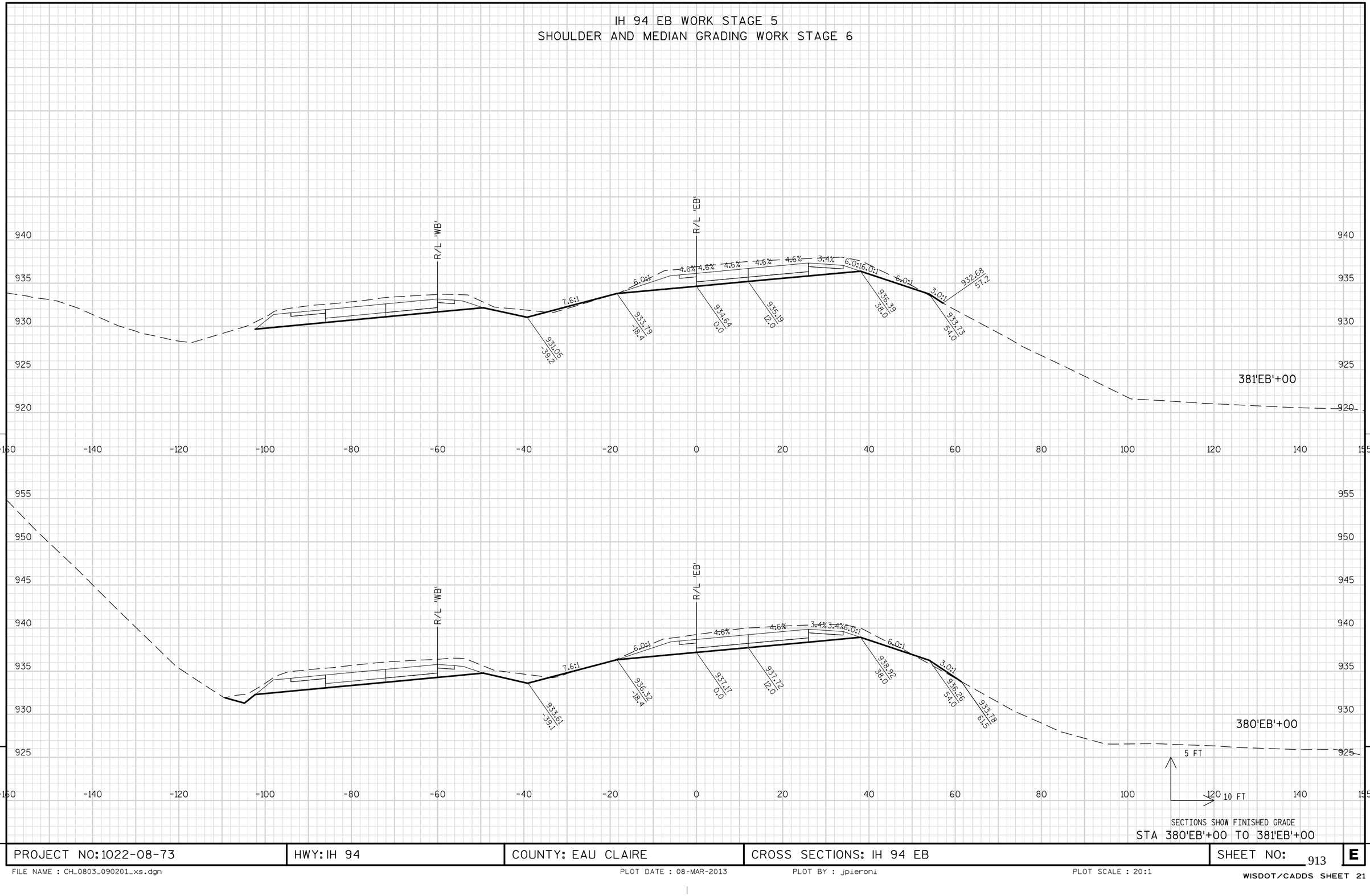
SECTIONS SHOW FINISHED GRADE
STA 378'EB'+00 TO 379'EB'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 EB	SHEET NO: 912	E

FILE NAME : CH_0803_090201_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

IH 94 EB WORK STAGE 5
SHOULDER AND MEDIAN GRADING WORK STAGE 6



SECTIONS SHOW FINISHED GRADE

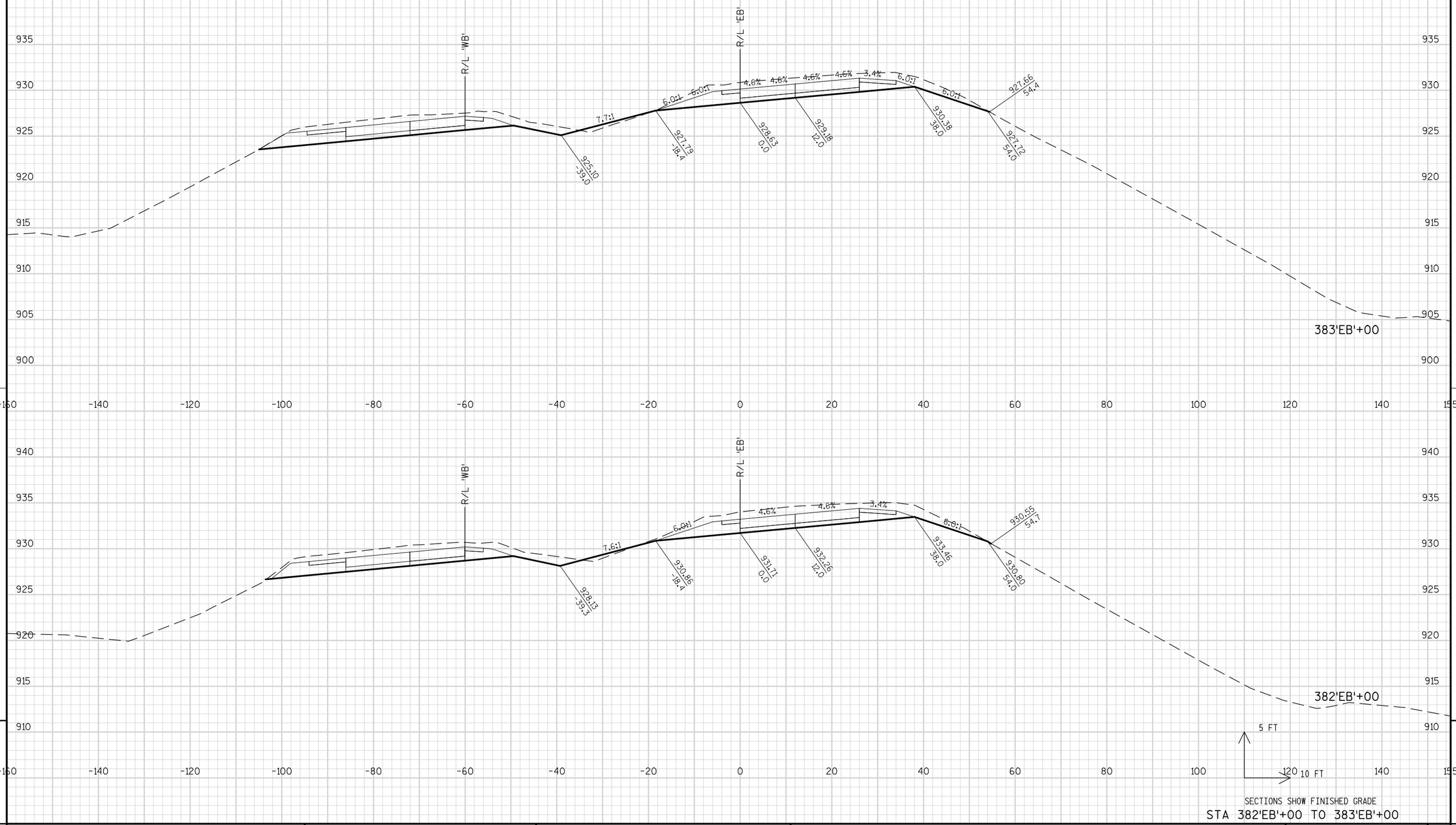
STA 380'EB'+00 TO 381'EB'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 EB	SHEET NO: 913 E

FILE NAME : CH_0803_090201_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

IH 94 EB WORK STAGE 5
SHOULDER AND MEDIAN GRADING WORK STAGE 6



SECTIONS SHOW FINISHED GRADE
STA 382'EB'+00 TO 383'EB'+00

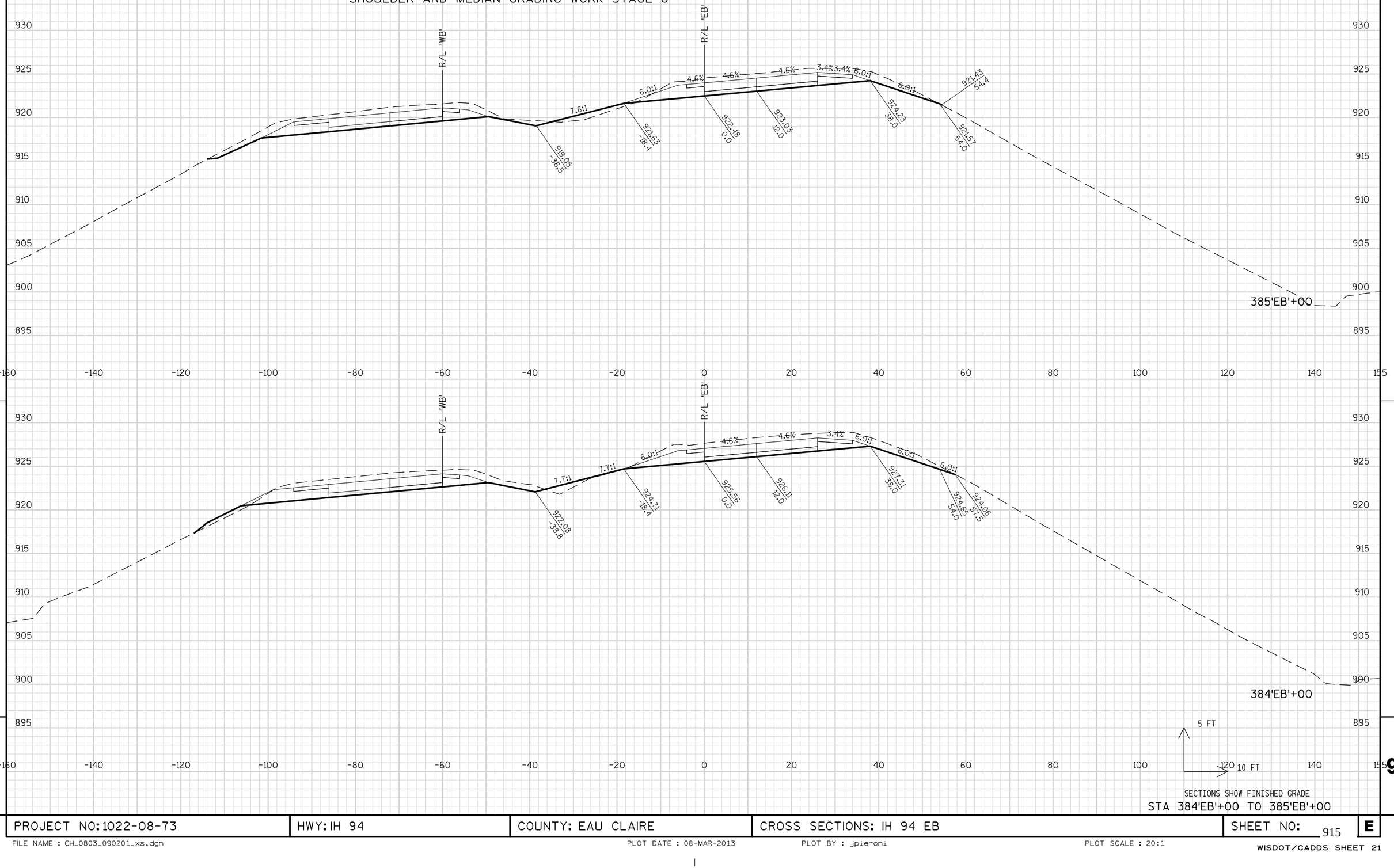
PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 EB	SHEET NO: 914	E

FILE NAME : CH_0803_090201_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

IH 94 EB WORK STAGE 5

SHOULDER AND MEDIAN GRADING WORK STAGE 6



SECTIONS SHOW FINISHED GRADE

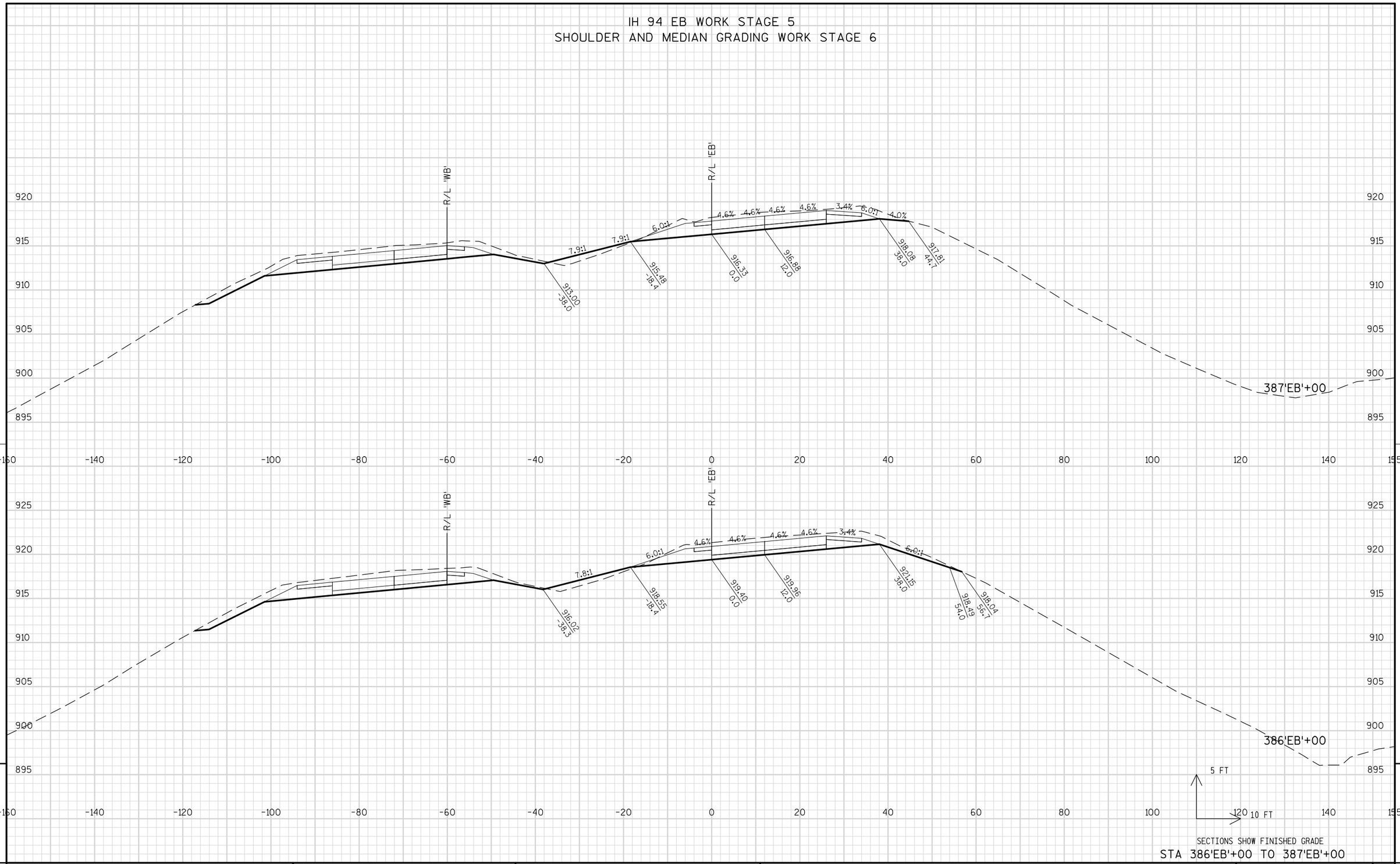
STA 384'EB'+00 TO 385'EB'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 EB	SHEET NO: 915	E

FILE NAME : CH_0803_090201_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

IH 94 EB WORK STAGE 5
SHOULDER AND MEDIAN GRADING WORK STAGE 6

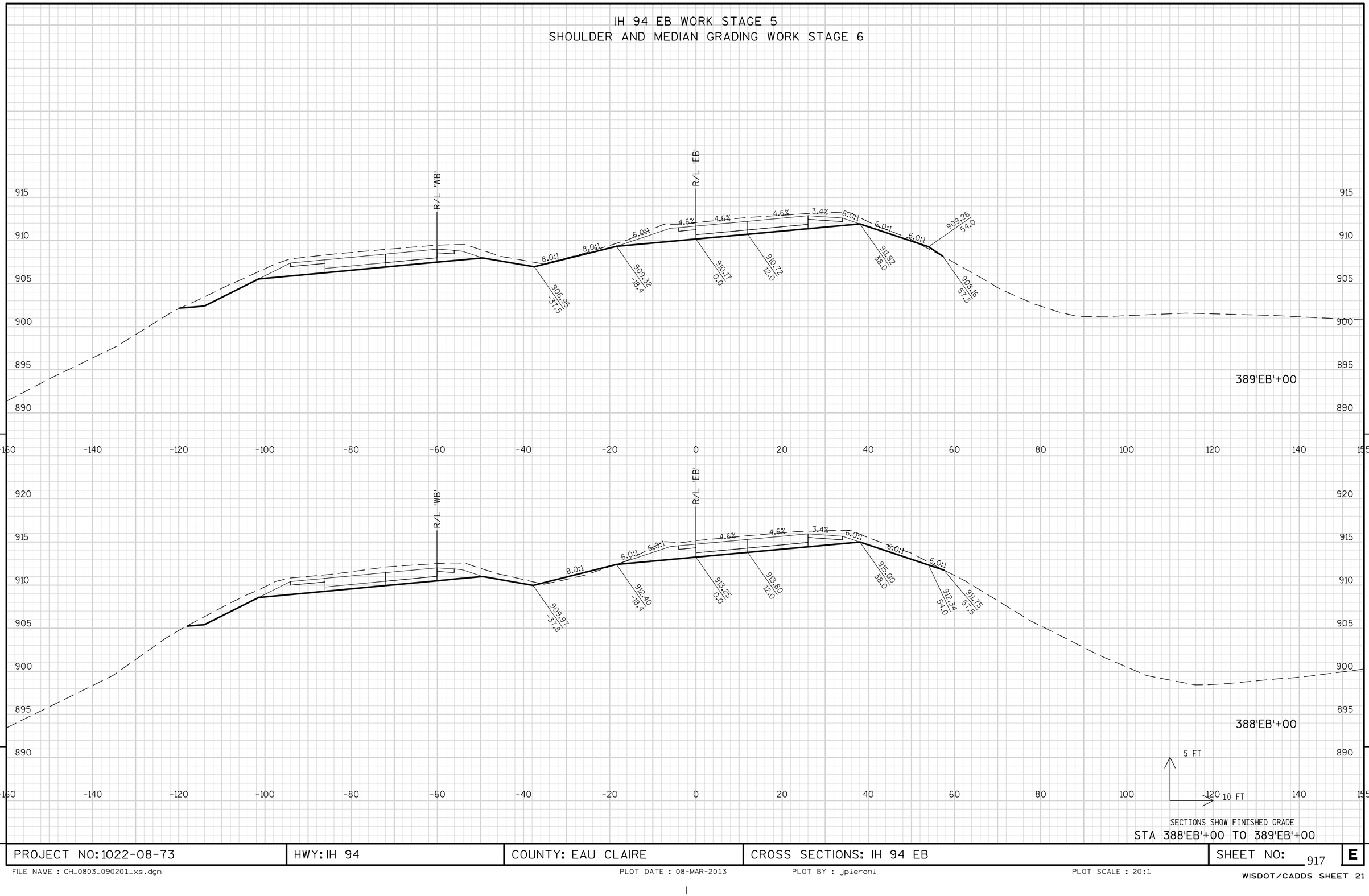


PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 EB	SHEET NO: 916 E

FILE NAME : CH_0803_090201_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

IH 94 EB WORK STAGE 5
SHOULDER AND MEDIAN GRADING WORK STAGE 6

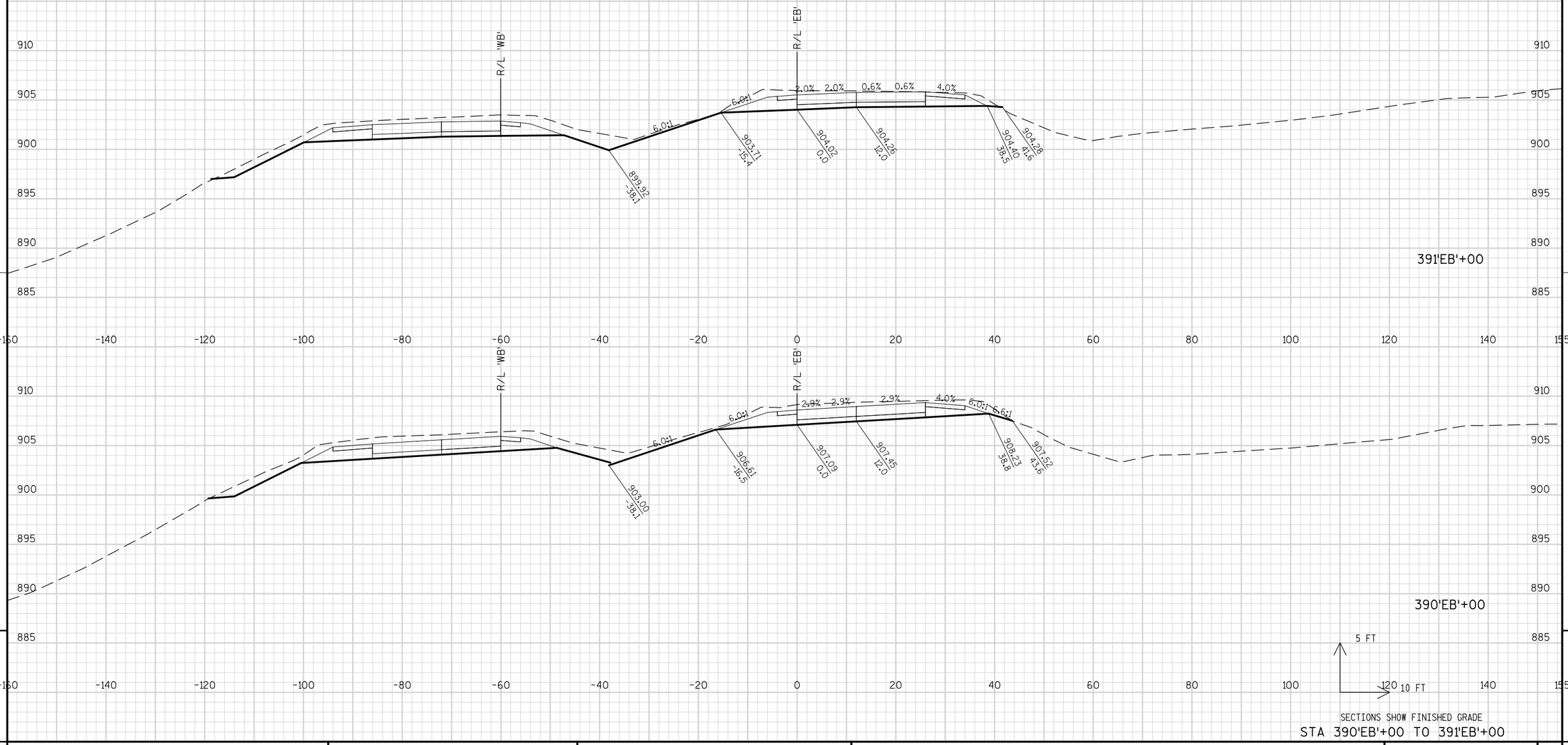


PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 EB	SHEET NO: 917 E

FILE NAME : CH_0803_090201_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

IH 94 EB WORK STAGE 5
SHOULDER AND MEDIAN GRADING WORK STAGE 6



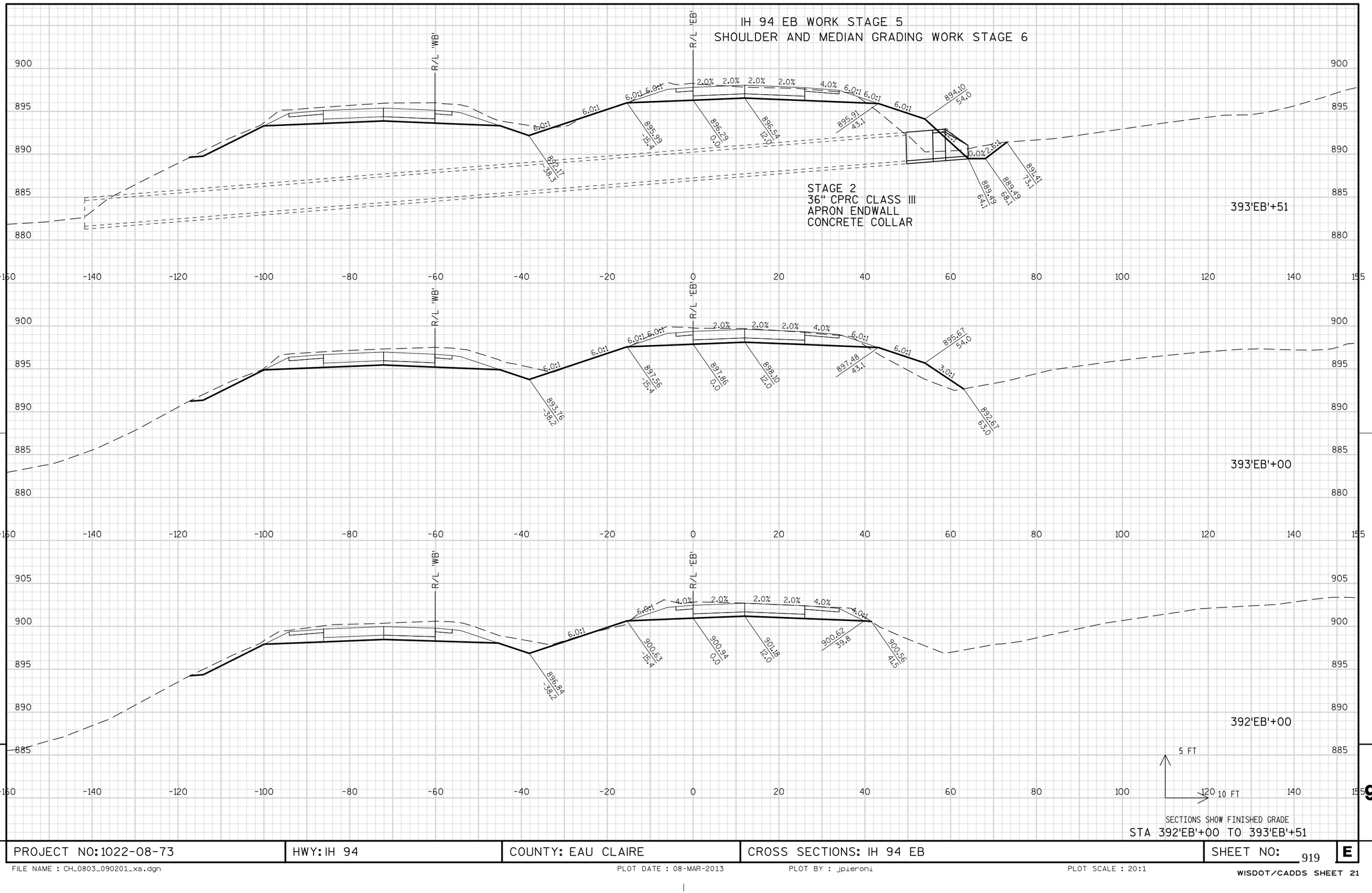
SECTIONS SHOW FINISHED GRADE
STA 390'EB'+00 TO 391'EB'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 EB	SHEET NO: 918 E

FILE NAME : CH_0803_090201_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

IH 94 EB WORK STAGE 5
SHOULDER AND MEDIAN GRADING WORK STAGE 6

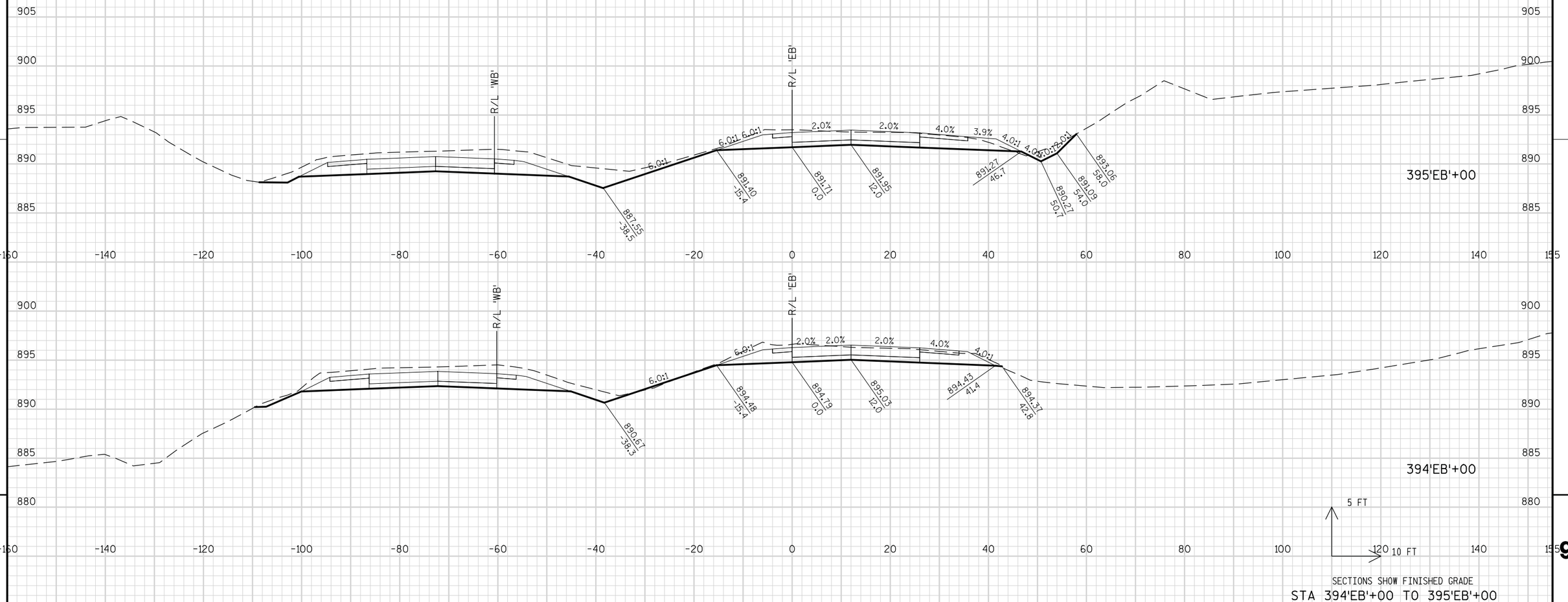


PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 EB	SHEET NO: 919	E

FILE NAME : CH_0803_090201_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

IH 94 EB WORK STAGE 5
SHOULDER AND MEDIAN GRADING WORK STAGE 6



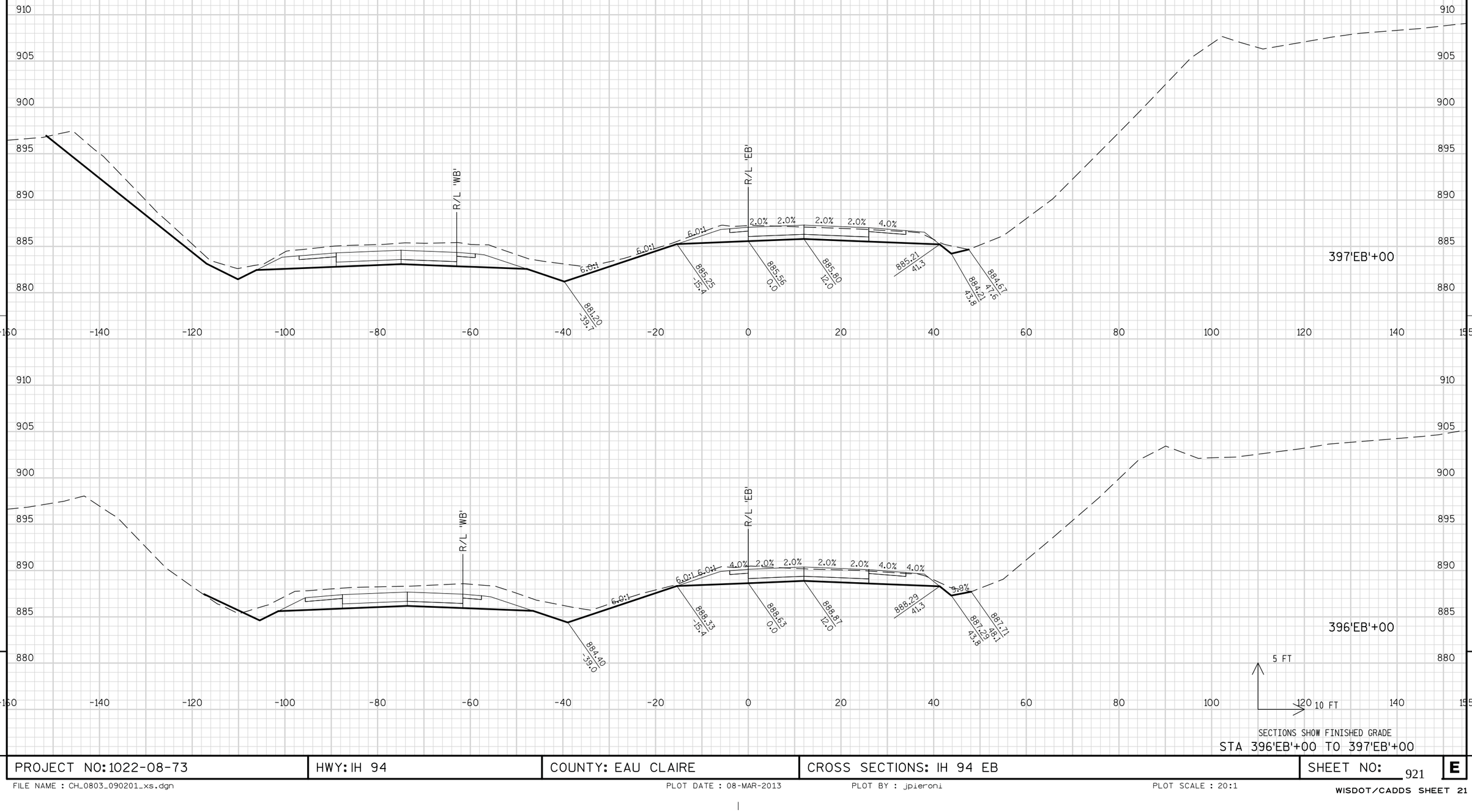
SECTIONS SHOW FINISHED GRADE
STA 394'EB'+00 TO 395'EB'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 EB	SHEET NO: 920	E

FILE NAME : CH_0803_090201_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

IH 94 EB WORK STAGE 5
SHOULDER AND MEDIAN GRADING WORK STAGE 6

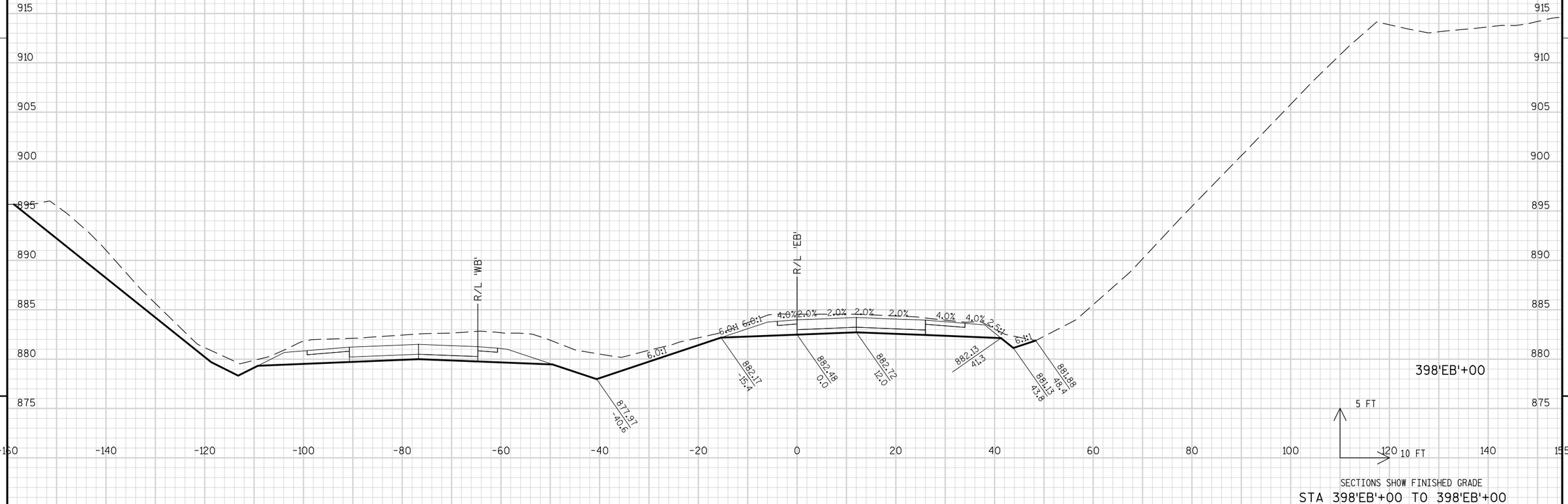


PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 EB	SHEET NO: 921	E

FILE NAME : CH_0803_090201_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

IH 94 EB WORK STAGE 5
SHOULDER AND MEDIAN GRADING WORK STAGE 6

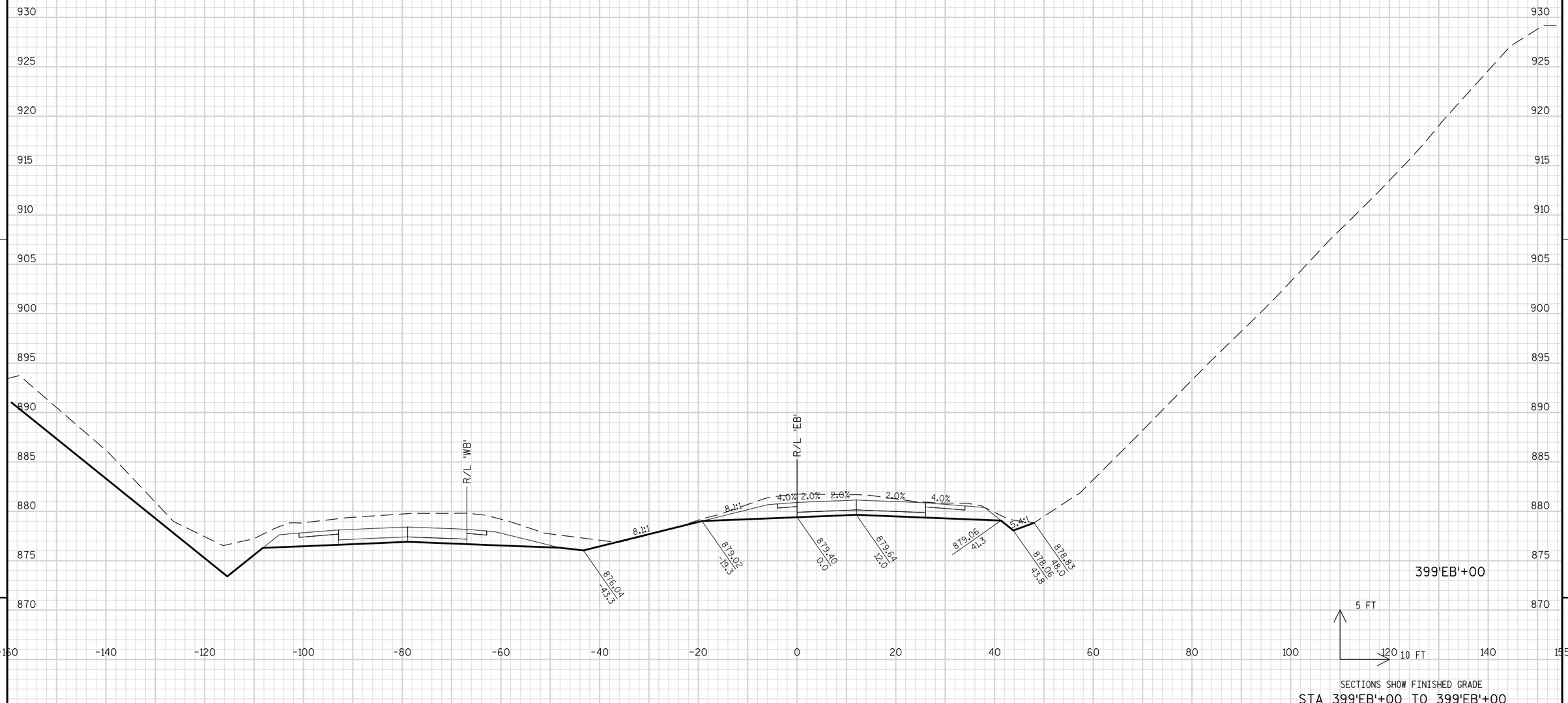


PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 EB	SHEET NO: 922	E

FILE NAME : CH_0803_090201_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

IH 94 EB WORK STAGE 5
SHOULDER AND MEDIAN GRADING WORK STAGE 6



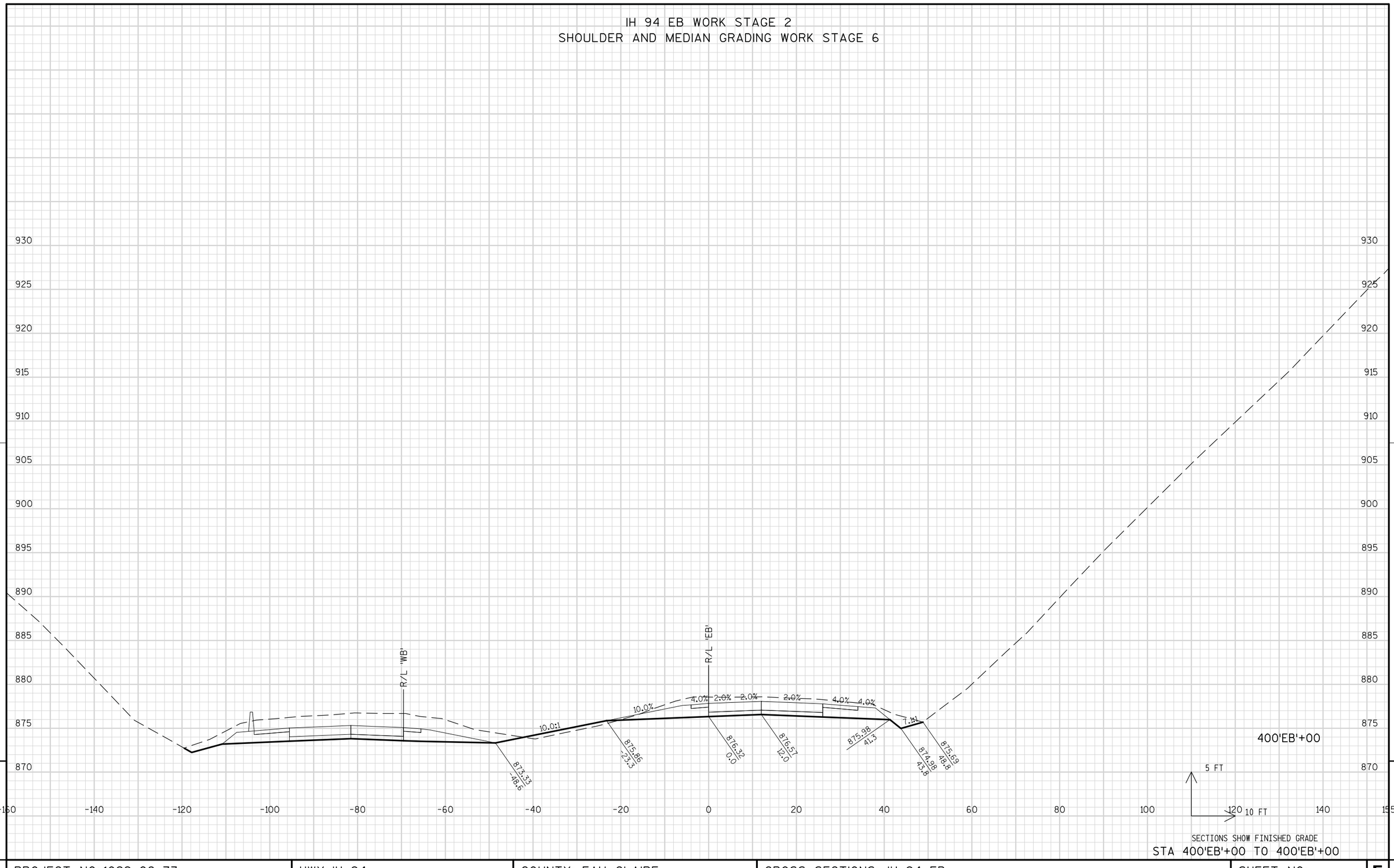
SECTIONS SHOW FINISHED GRADE
STA 399'EB'+00 TO 399'EB'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 EB	SHEET NO: 923	E

FILE NAME : CH_0803_090201_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

IH 94 EB WORK STAGE 2
SHOULDER AND MEDIAN GRADING WORK STAGE 6



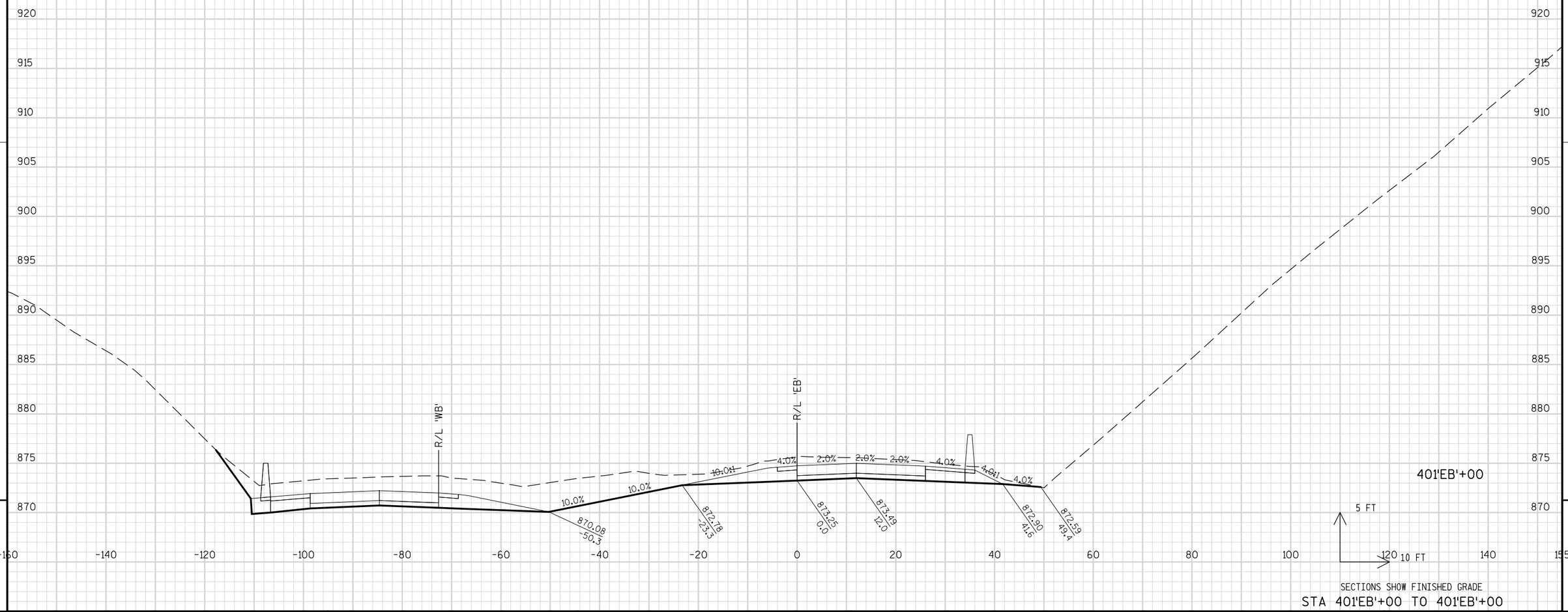
SECTIONS SHOW FINISHED GRADE
STA 400'EB'+00 TO 400'EB'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 EB	SHEET NO: 924	E

FILE NAME : CH_0803_090201_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

IH 94 EB WORK STAGE 2
SHOULDER AND MEDIAN GRADING WORK STAGE 6



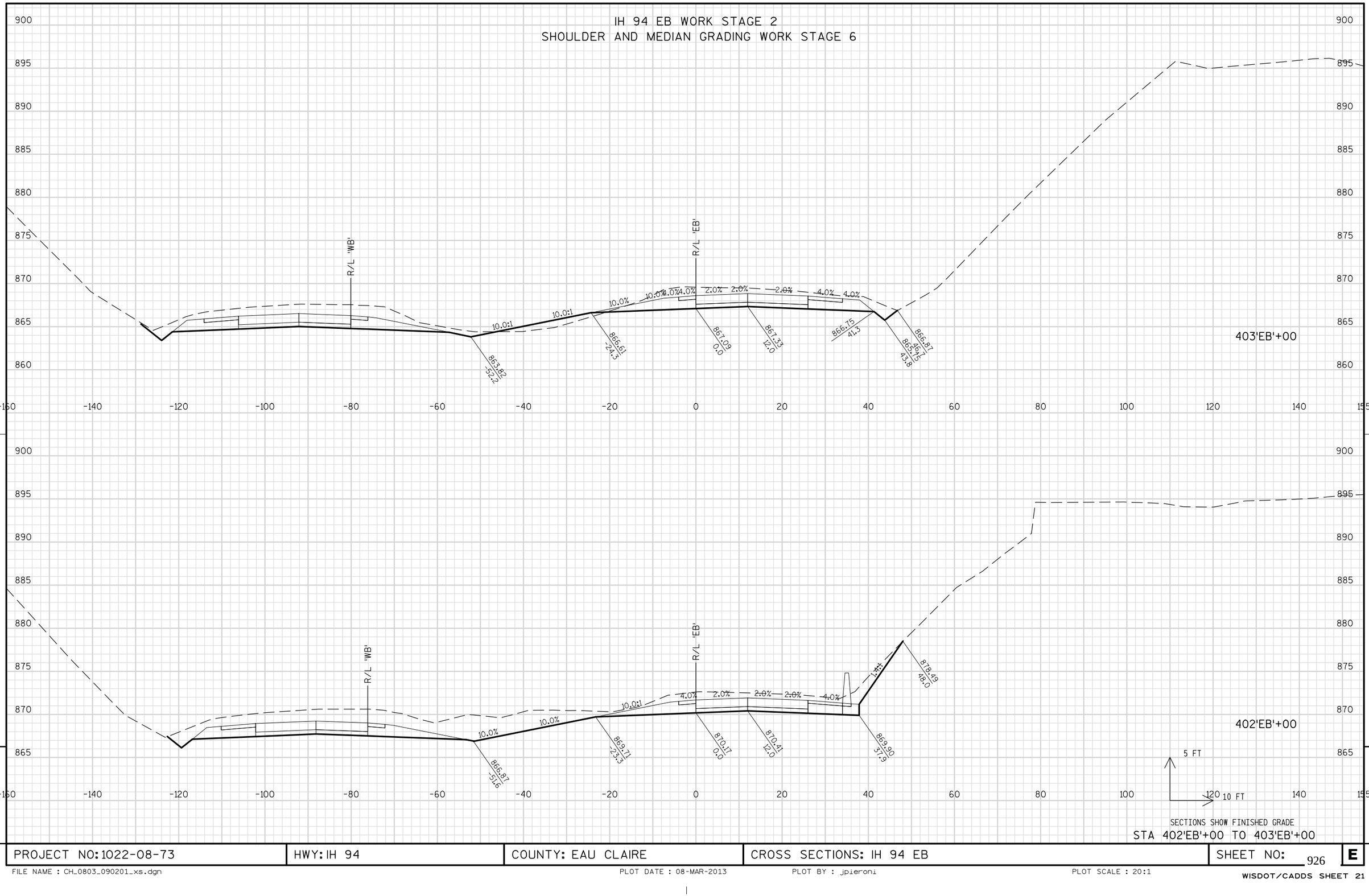
SECTIONS SHOW FINISHED GRADE
STA 401'EB'+00 TO 401'EB'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 EB	SHEET NO: 925	E

FILE NAME : CH_0803_090201_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

IH 94 EB WORK STAGE 2
SHOULDER AND MEDIAN GRADING WORK STAGE 6



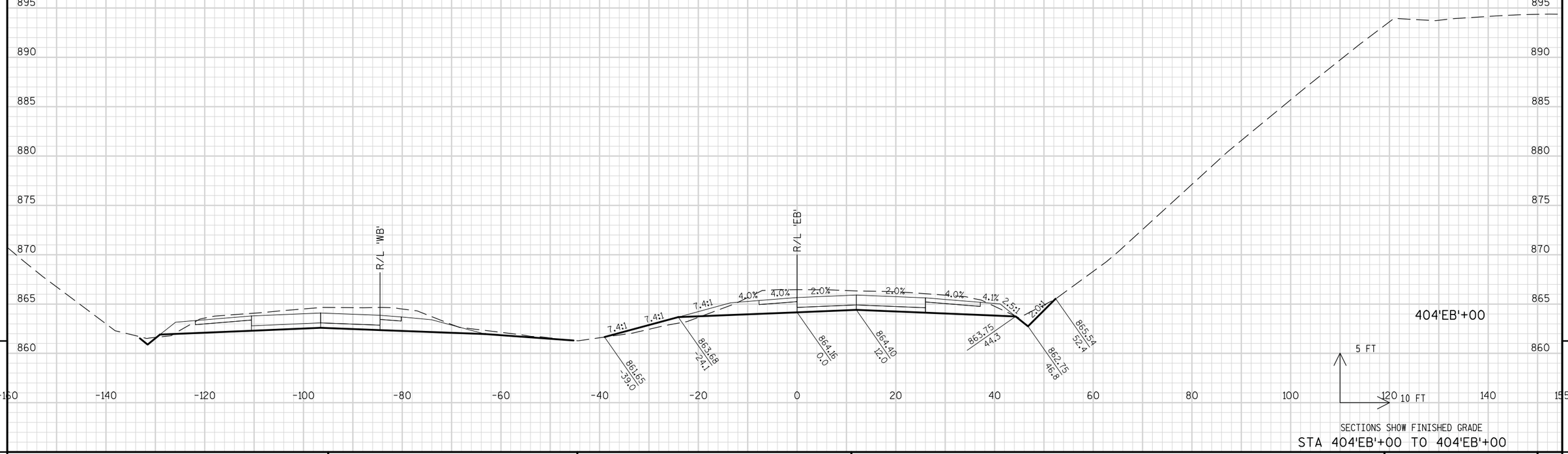
SECTIONS SHOW FINISHED GRADE
STA 402'EB'+00 TO 403'EB'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 EB	SHEET NO: 926	E

FILE NAME : CH_0803_090201_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

IH 94 EB WORK STAGE 2
SHOULDER AND MEDIAN GRADING WORK STAGE 6



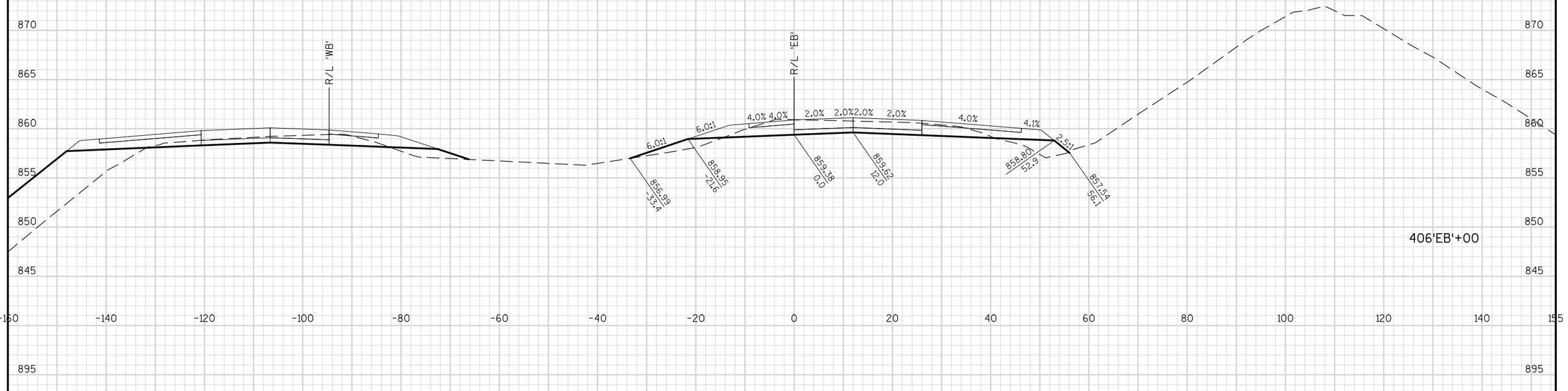
SECTIONS SHOW FINISHED GRADE
STA 404'EB'+00 TO 404'EB'+00

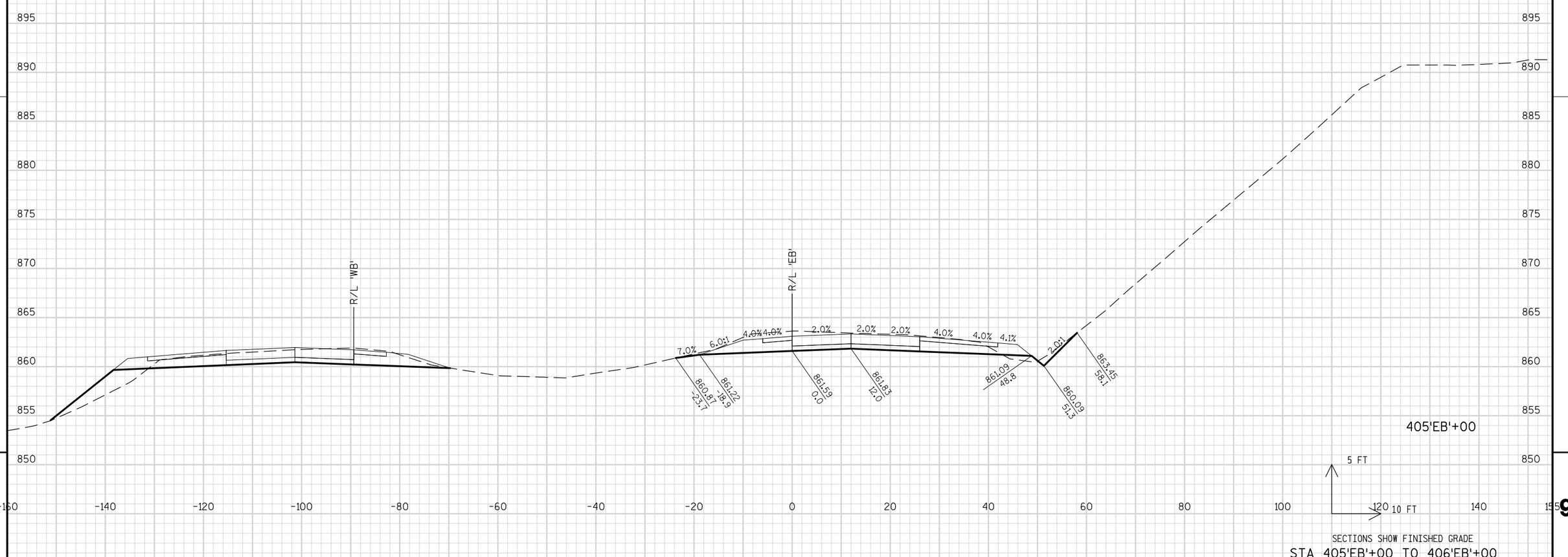
PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 EB	SHEET NO: 927	E

FILE NAME : CH_0803_090201_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

IH 94 EB WORK STAGE 2
SHOULDER AND MEDIAN GRADING WORK STAGE 6





SECTIONS SHOW FINISHED GRADE

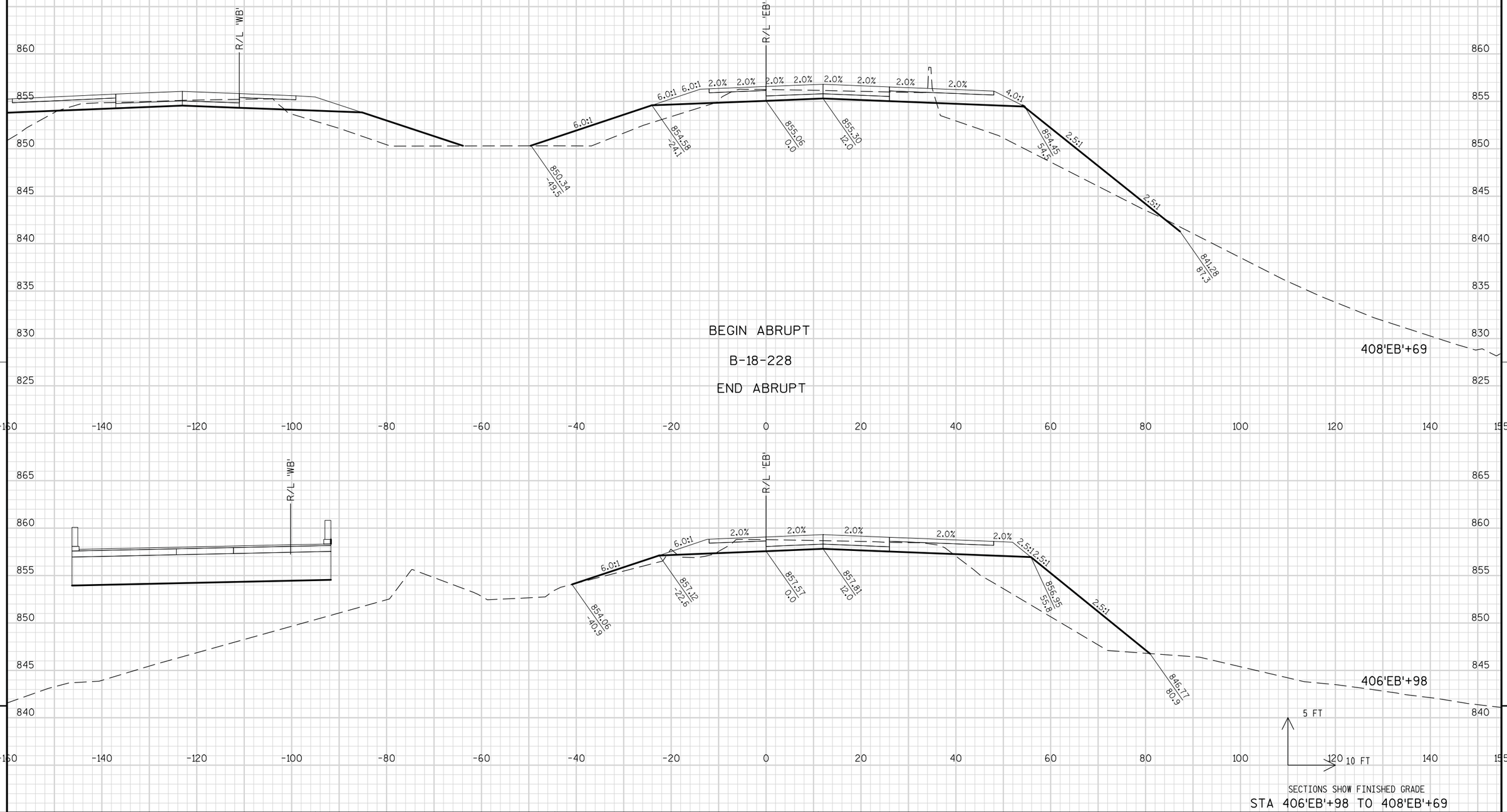
STA 405'EB'+00 TO 406'EB'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 EB	SHEET NO: 928	E

FILE NAME : CH_0803_090201_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

IH 94 EB WORK STAGE 2
SHOULDER AND MEDIAN GRADING WORK STAGE 6



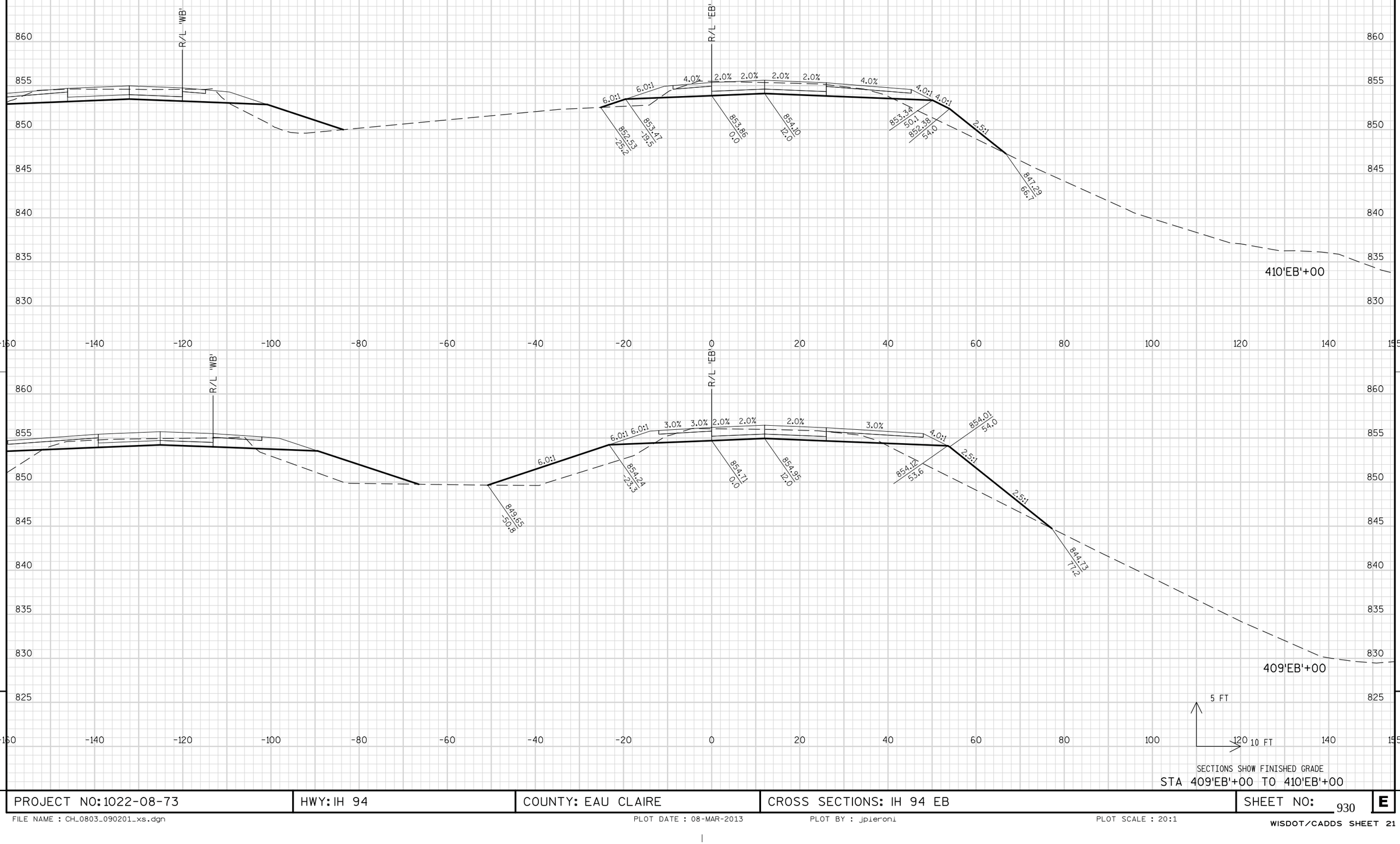
SECTIONS SHOW FINISHED GRADE
STA 406'EB'+98 TO 408'EB'+69

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 EB	SHEET NO: 929	E

FILE NAME : CH_0803_090201_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

IH 94 EB WORK STAGE 2
SHOULDER AND MEDIAN GRADING WORK STAGE 6

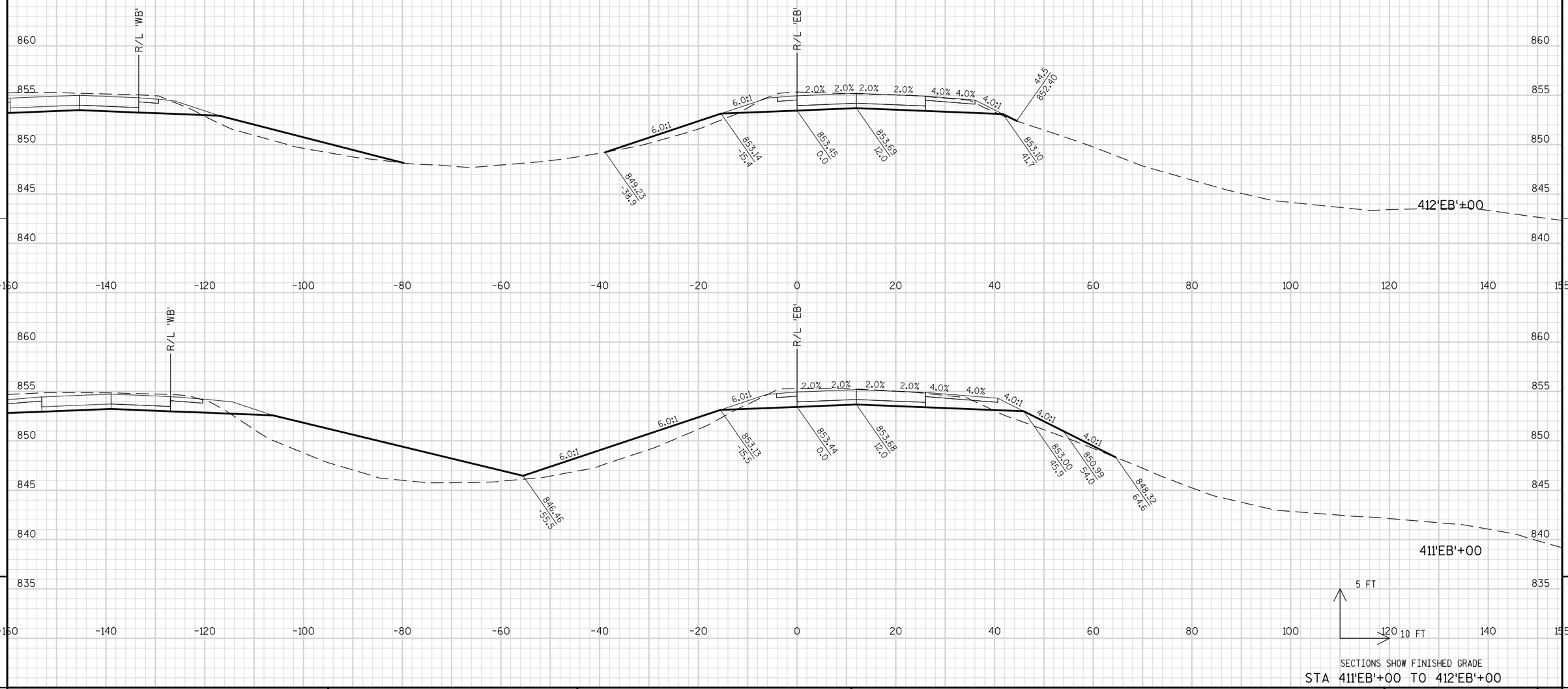


PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 EB	SHEET NO: 930	E

FILE NAME : CH_0803_090201_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

IH 94 EB WORK STAGE 2
SHOULDER AND MEDIAN GRADING WORK STAGE 6

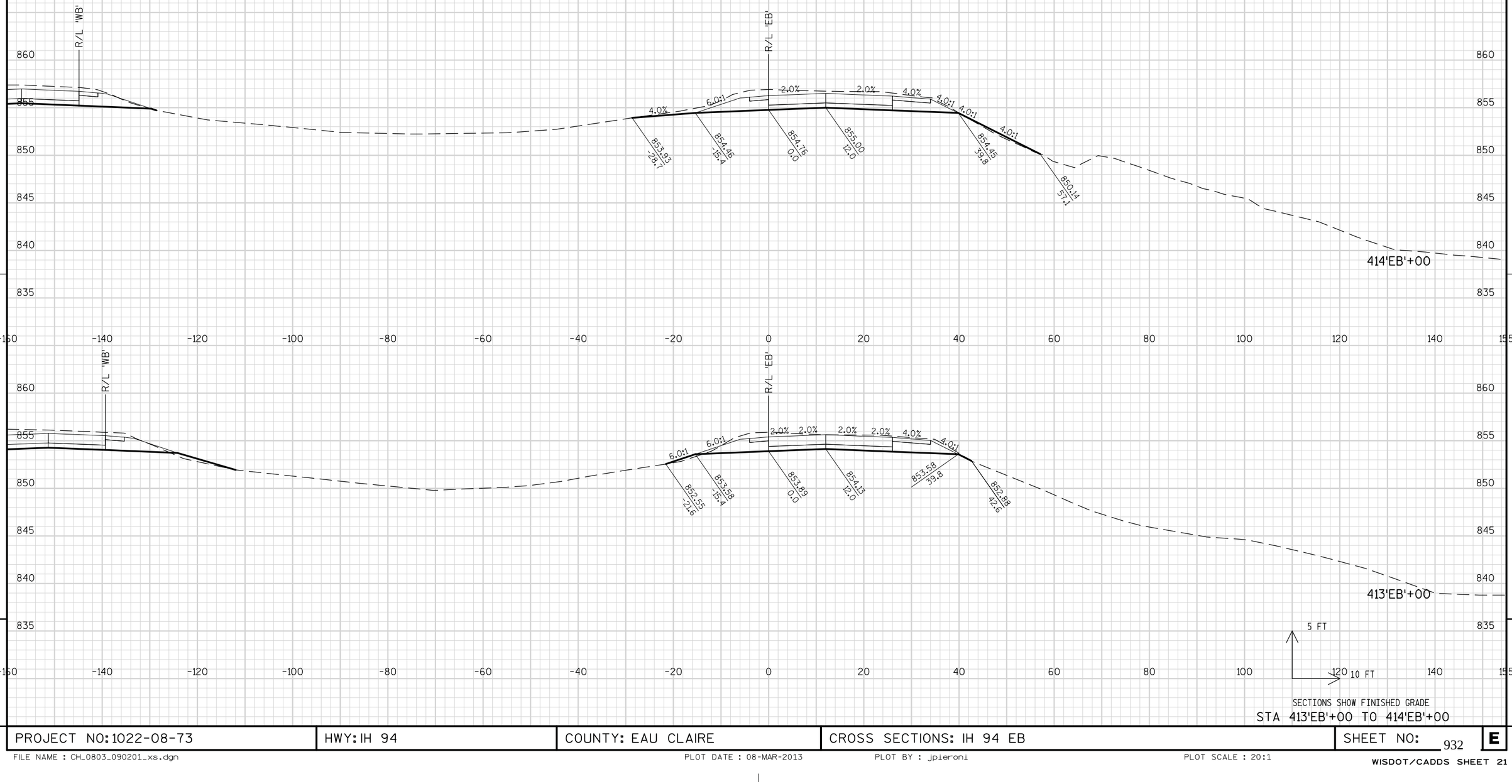


SECTIONS SHOW FINISHED GRADE
STA 411'EB'+00 TO 412'EB'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 EB	SHEET NO: 931 E

FILE NAME : CH_0803_090201_xs.dgn | PLOT DATE : 08-MAR-2013 | PLOT BY : jpieroni | PLOT SCALE : 20:1

IH 94 EB WORK STAGE 2
SHOULDER AND MEDIAN GRADING WORK STAGE 6



SECTIONS SHOW FINISHED GRADE
STA 413'EB'+00 TO 414'EB'+00

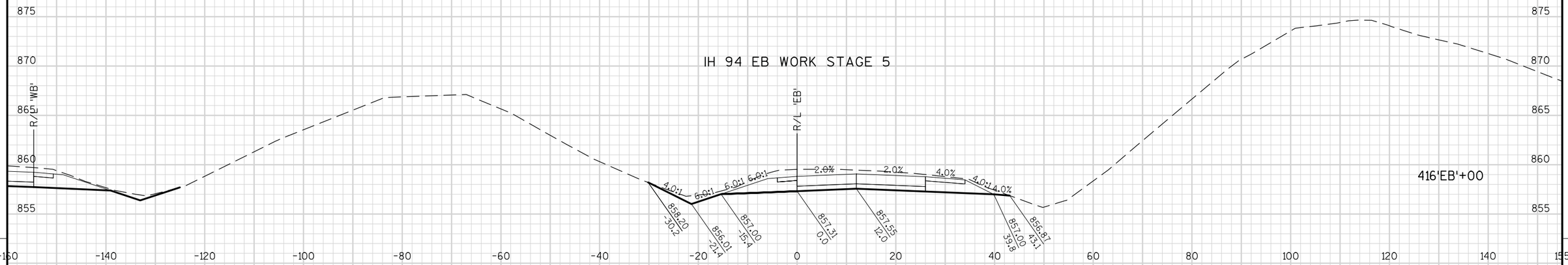
PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 EB	SHEET NO: 932	E

FILE NAME : CH_0803_090201_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

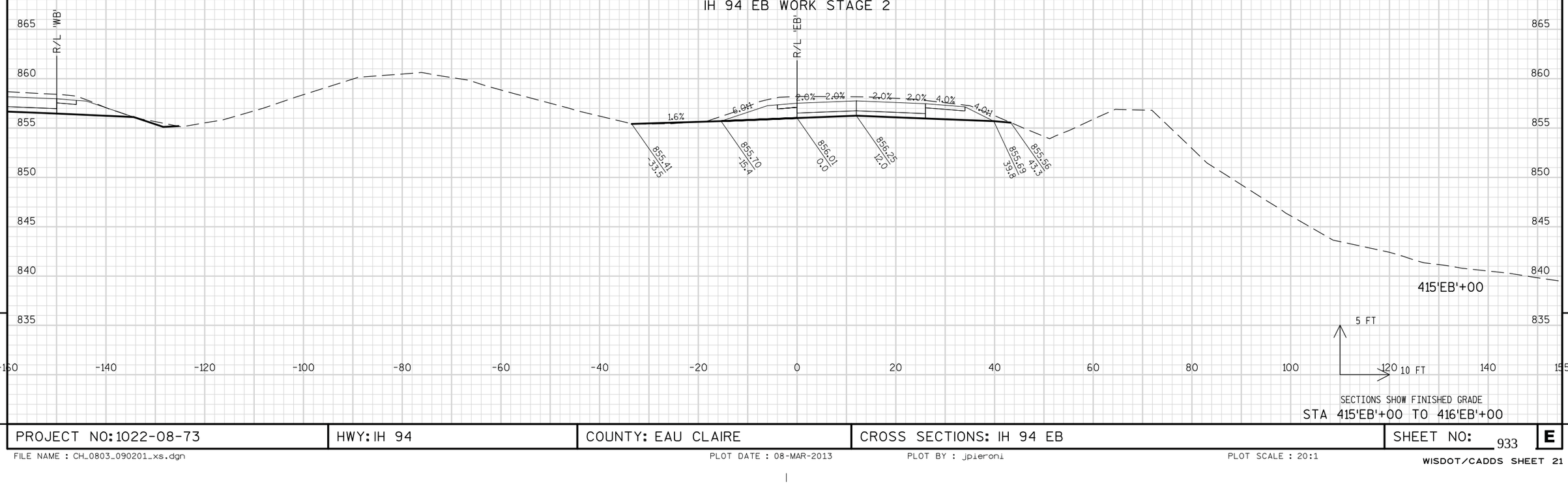
WISDOT/CADDS SHEET 21

SHOULDER AND MEDIAN GRADING WORK STAGE 6

IH 94 EB WORK STAGE 5



IH 94 EB WORK STAGE 2



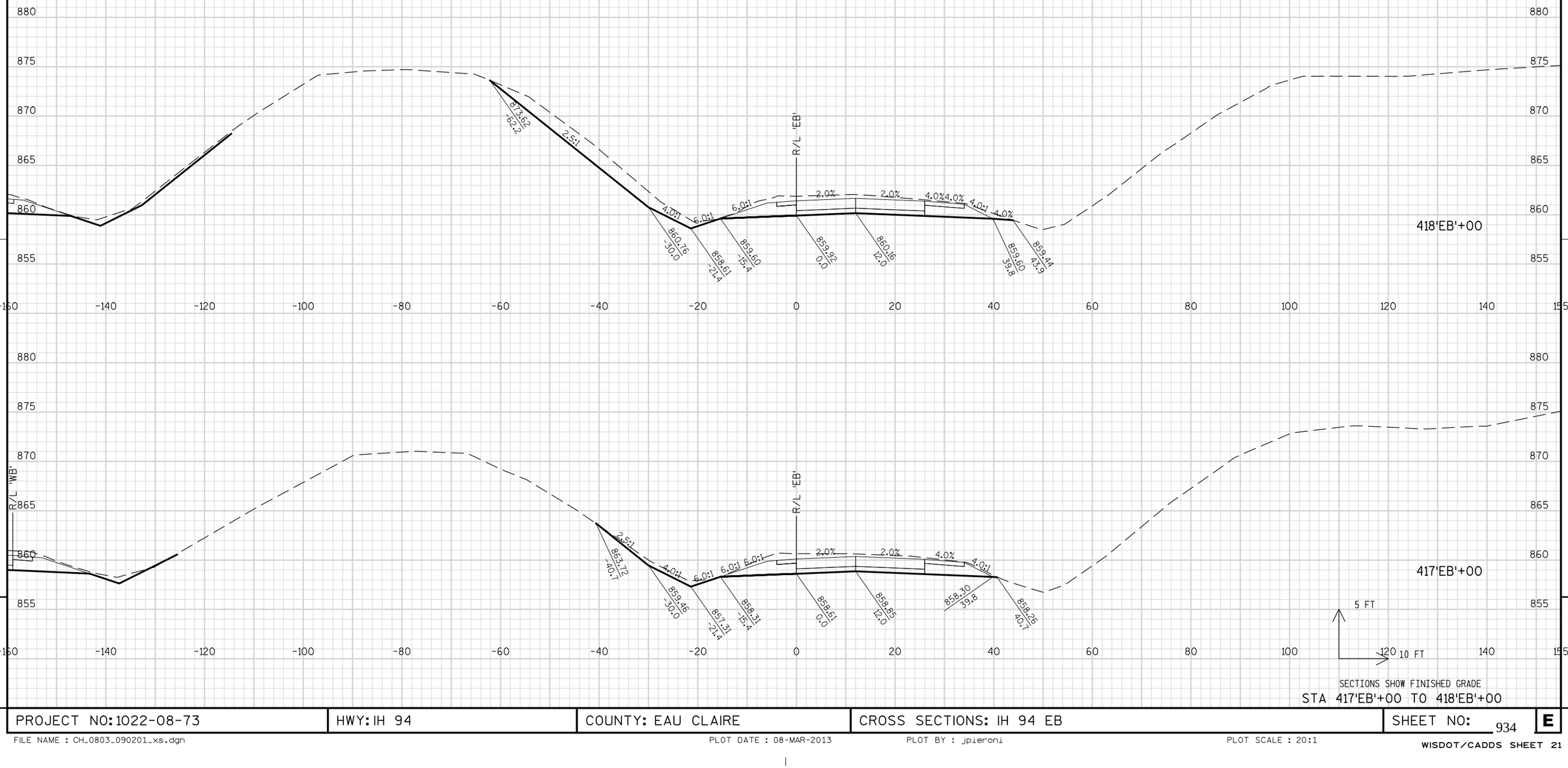
SECTIONS SHOW FINISHED GRADE
STA 415'EB'+00 TO 416'EB'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 EB	SHEET NO: 933	E

FILE NAME : CH_0803_090201_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

IH 94 EB WORK STAGE 5
SHOULDER AND MEDIAN GRADING WORK STAGE 6



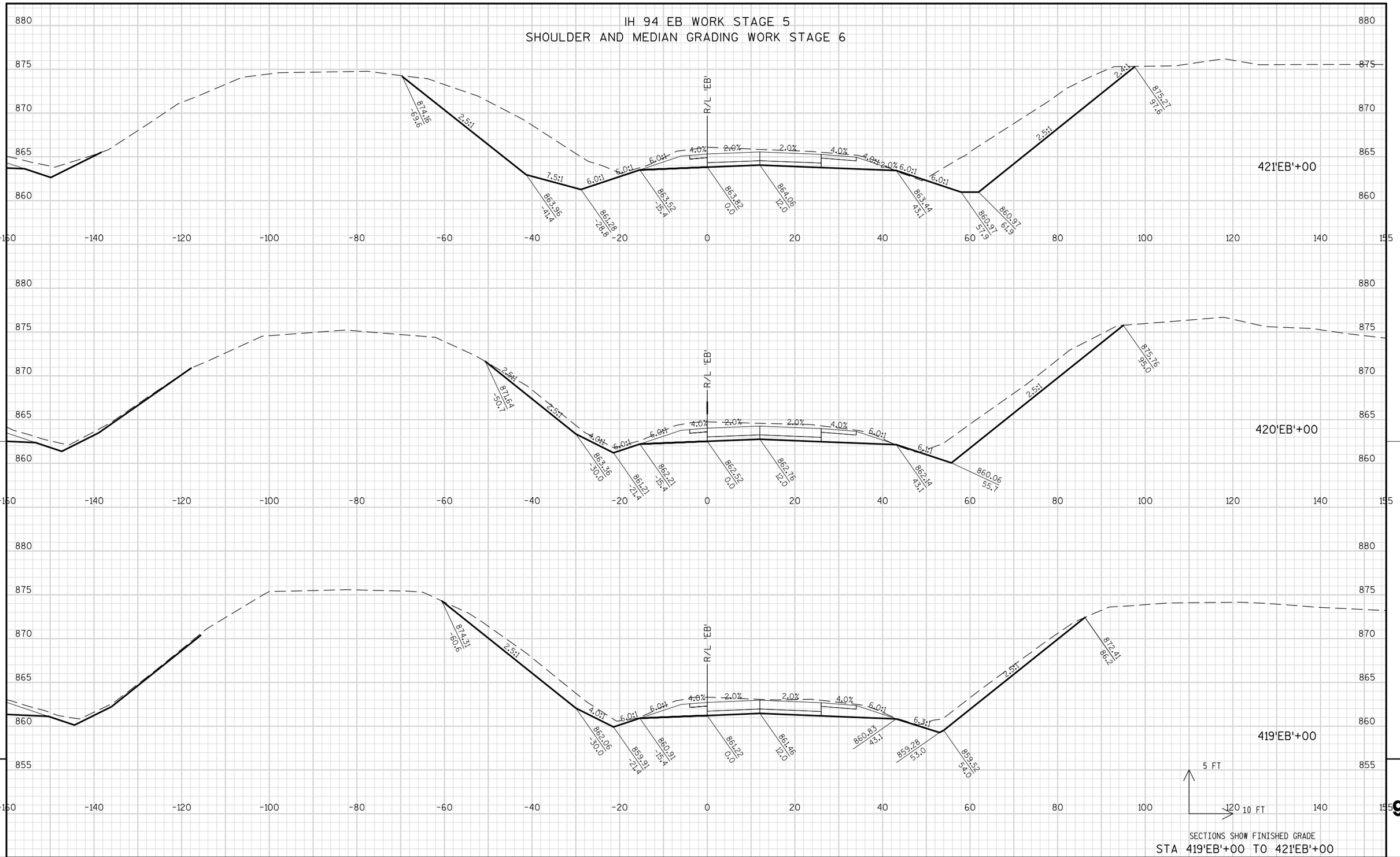
SECTIONS SHOW FINISHED GRADE
STA 417'EB'+00 TO 418'EB'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 EB	SHEET NO: 934	E

FILE NAME : CH_0803_090201_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

IH 94 EB WORK STAGE 5
SHOULDER AND MEDIAN GRADING WORK STAGE 6

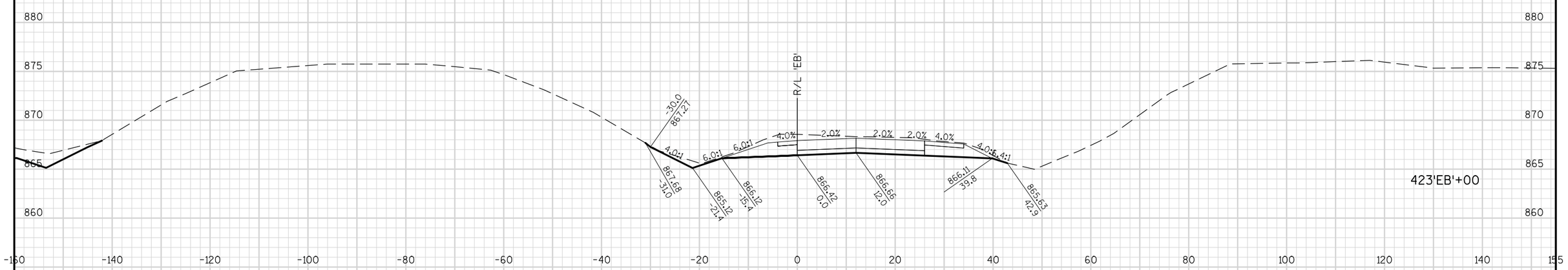


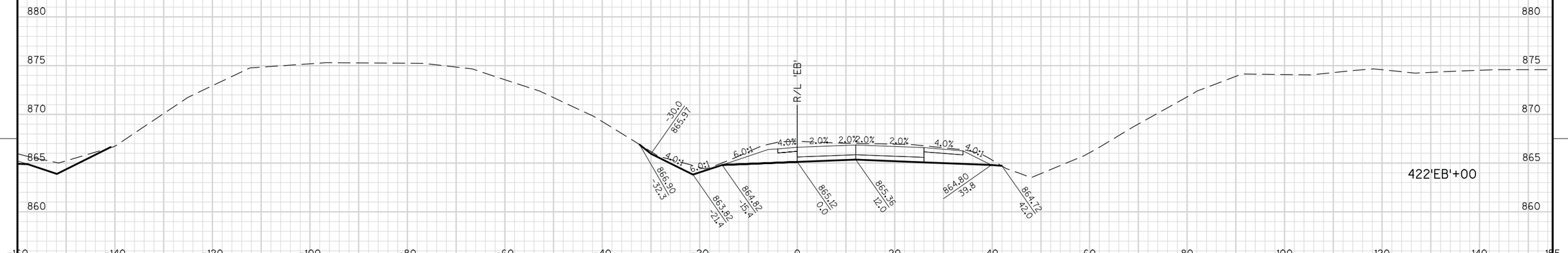
PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 EB	SHEET NO: 935 E

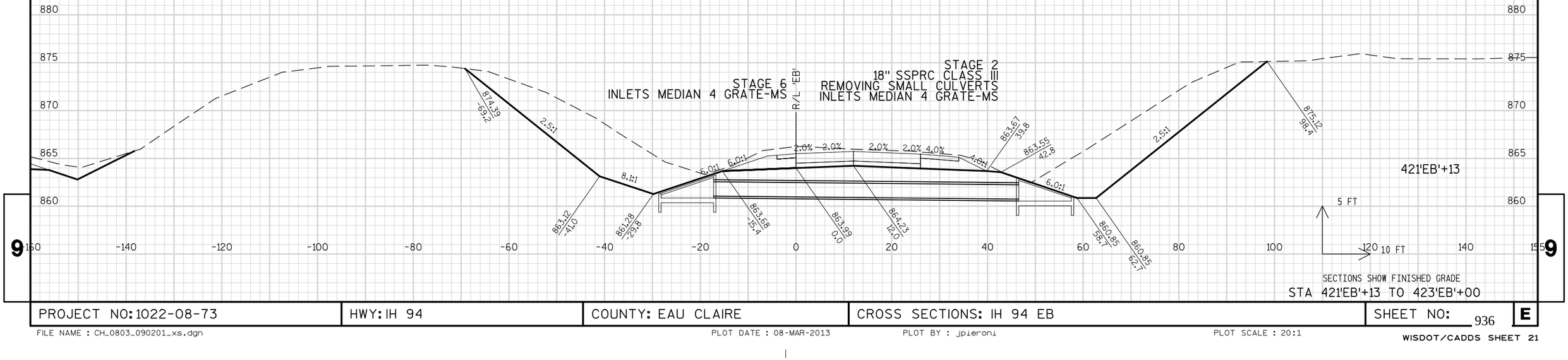
FILE NAME : CH_0803_090201_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

IH 94 EB WORK STAGE 5
SHOULDER AND MEDIAN GRADING WORK STAGE 6





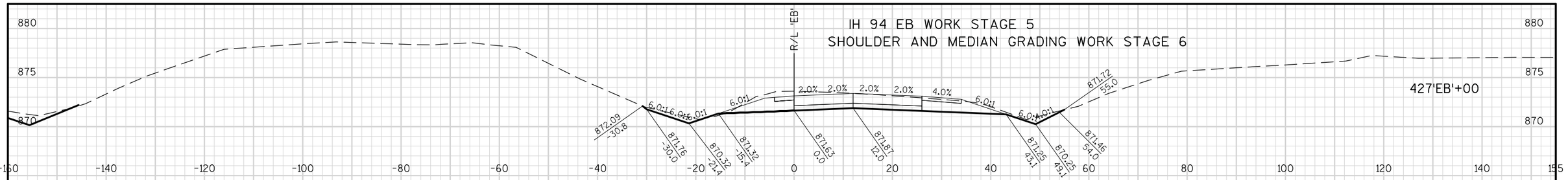


PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 EB	SHEET NO: 936	E

FILE NAME : CH_0803_090201_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

IH 94 EB WORK STAGE 5
SHOULDER AND MEDIAN GRADING WORK STAGE 6



SECTIONS SHOW FINISHED GRADE

STA 424'EB'+00 TO 427'EB'+00

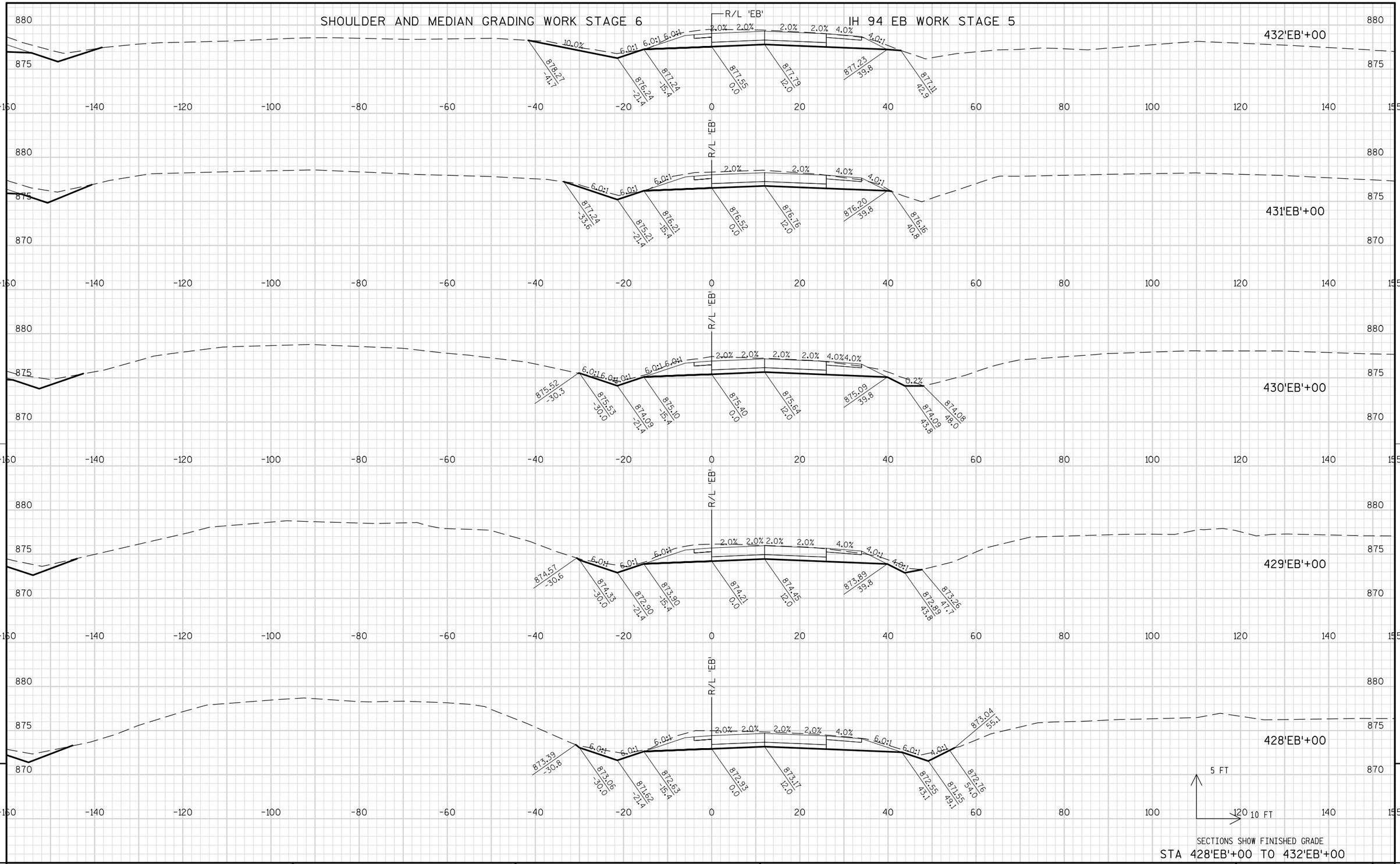
PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 EB	SHEET NO: 937	E

FILE NAME : CH_0803_090201_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

SHOULDER AND MEDIAN GRADING WORK STAGE 6

IH 94 EB WORK STAGE 5



SECTIONS SHOW FINISHED GRADE

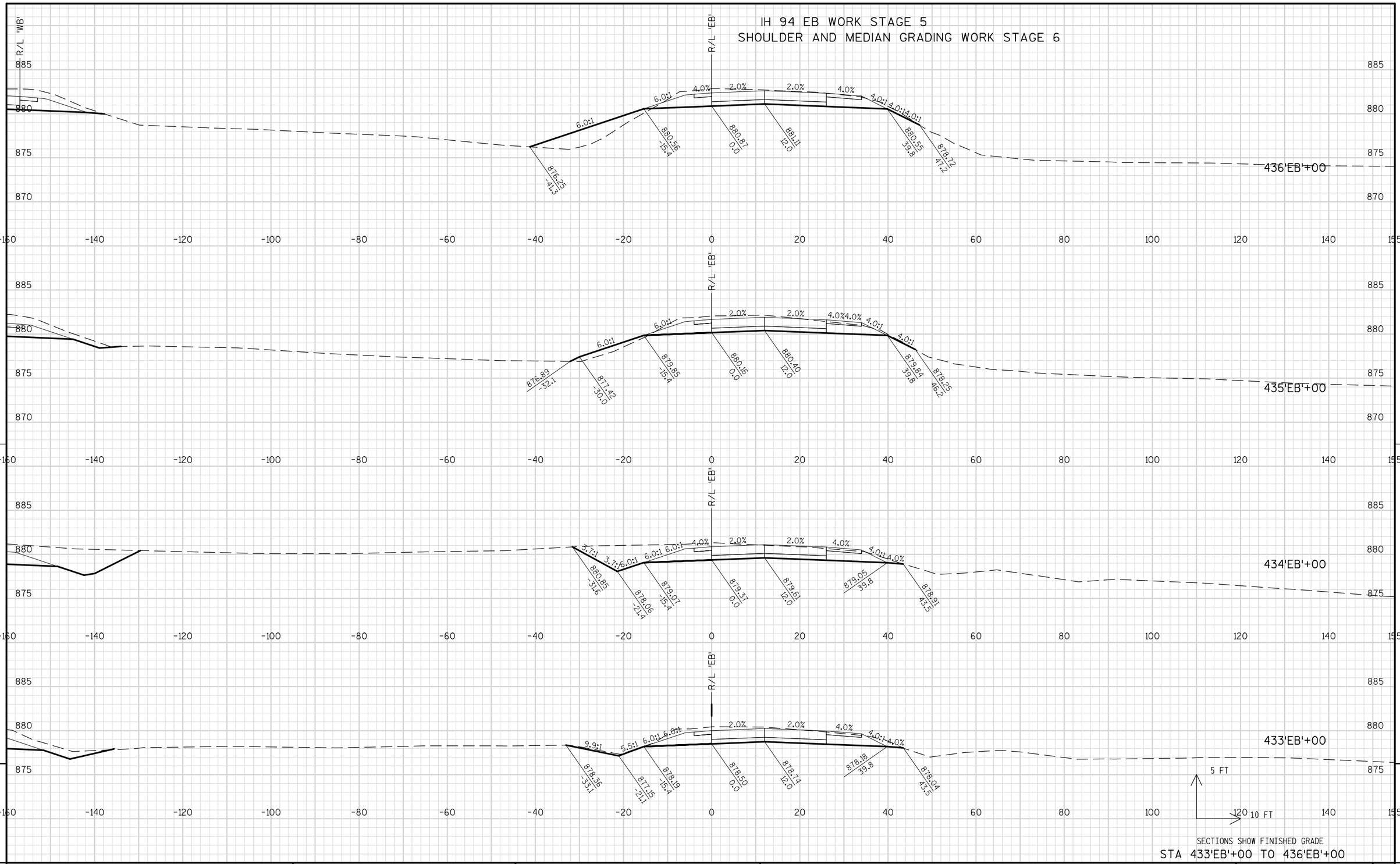
STA 428'EB'+00 TO 432'EB'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 EB	SHEET NO: 938 E

FILE NAME : CH_0803_090201_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

IH 94 EB WORK STAGE 5
SHOULDER AND MEDIAN GRADING WORK STAGE 6



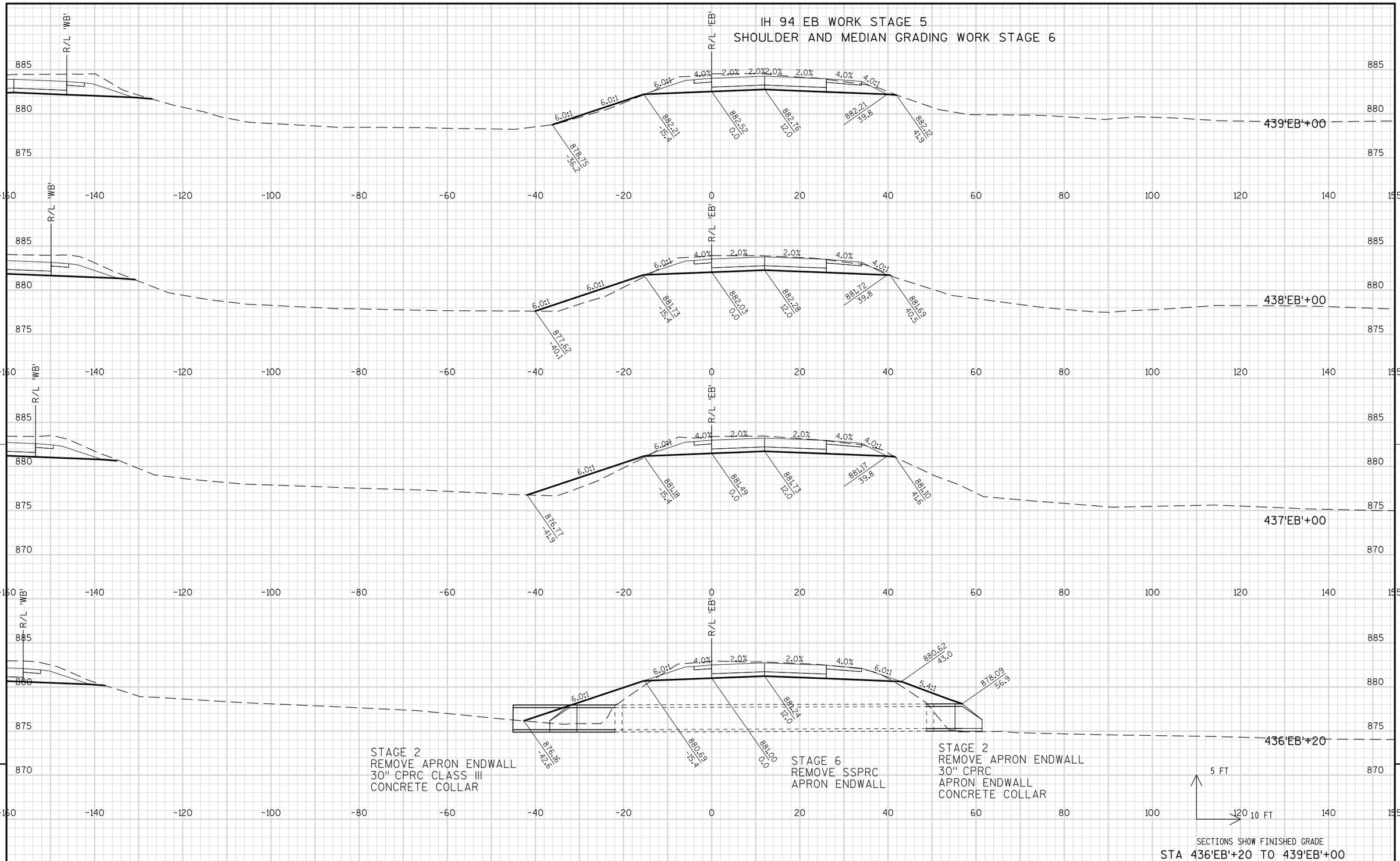
SECTIONS SHOW FINISHED GRADE
STA 433'EB'+00 TO 436'EB'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 EB	SHEET NO: 939 E

FILE NAME : CH_0803_090201_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

IH 94 EB WORK STAGE 5
SHOULDER AND MEDIAN GRADING WORK STAGE 6



SECTIONS SHOW FINISHED GRADE
STA 436'EB'+20 TO 439'EB'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 EB	SHEET NO: 940	E

FILE NAME : CH_0803_090201_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

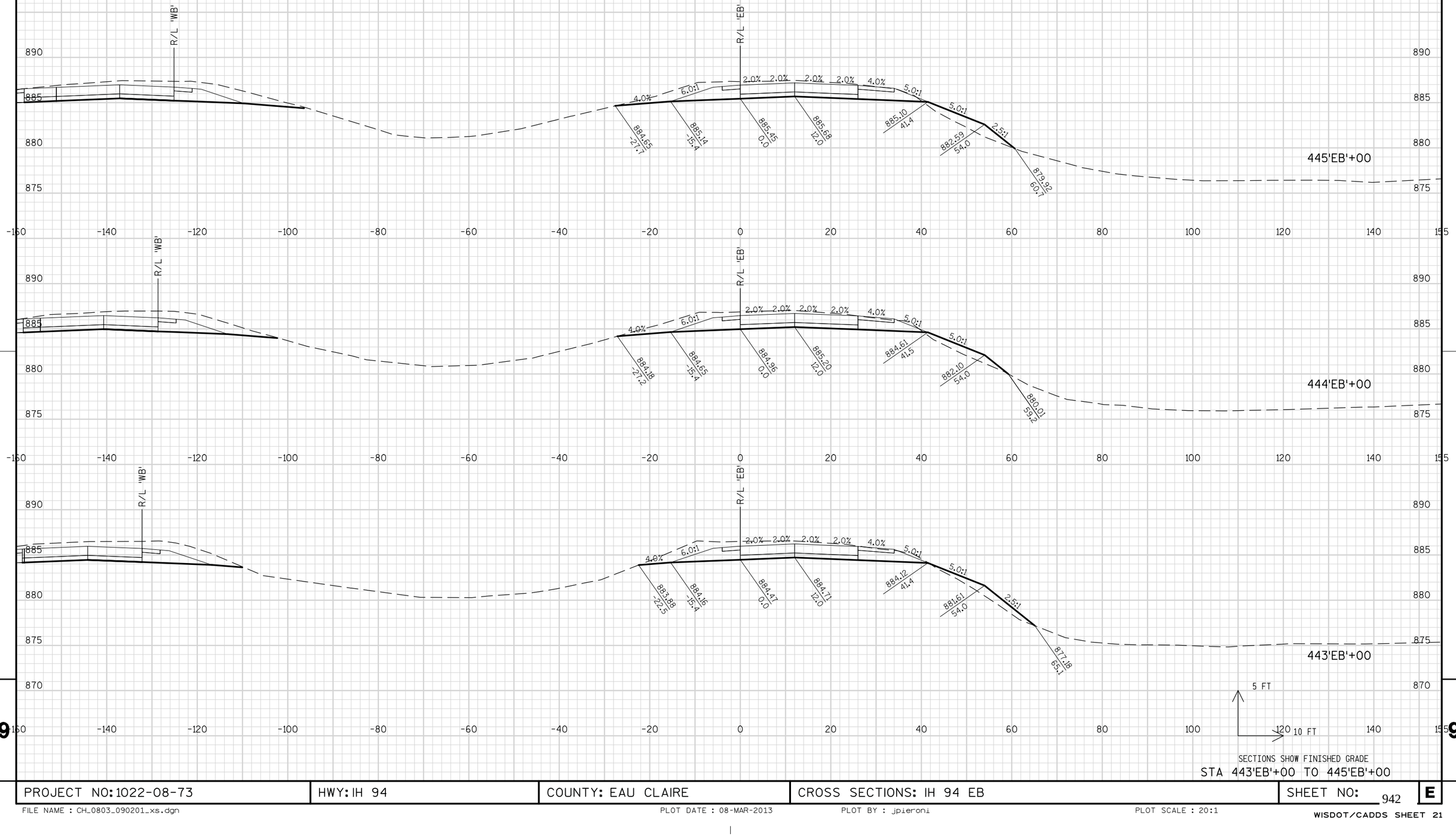
IH 94 EB WORK STAGE 5
SHOULDER AND MEDIAN GRADING WORK STAGE 6

SECTIONS SHOW FINISHED GRADE
STA 440'EB'+00 TO 442'EB'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 EB	SHEET NO: 941	E

FILE NAME : CH_0803_090201_xs.dgn
PLOT DATE : 08-MAR-2013
PLOT BY : jpieroni
PLOT SCALE : 20:1

IH 94 EB WORK STAGE 5
SHOULDER AND MEDIAN GRADING WORK STAGE 6



SECTIONS SHOW FINISHED GRADE
STA 443'EB'+00 TO 445'EB'+00

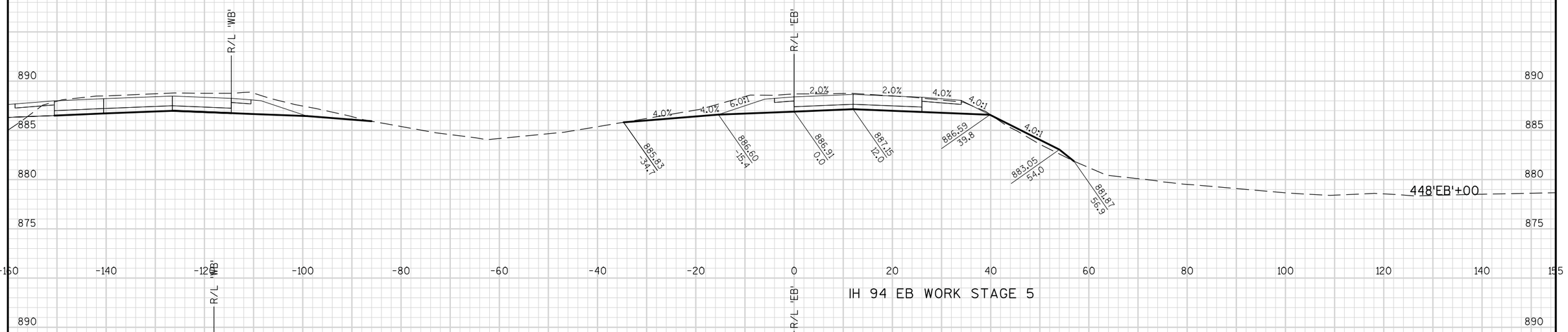
PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 EB	SHEET NO: 942	E

FILE NAME : CH_0803_090201_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

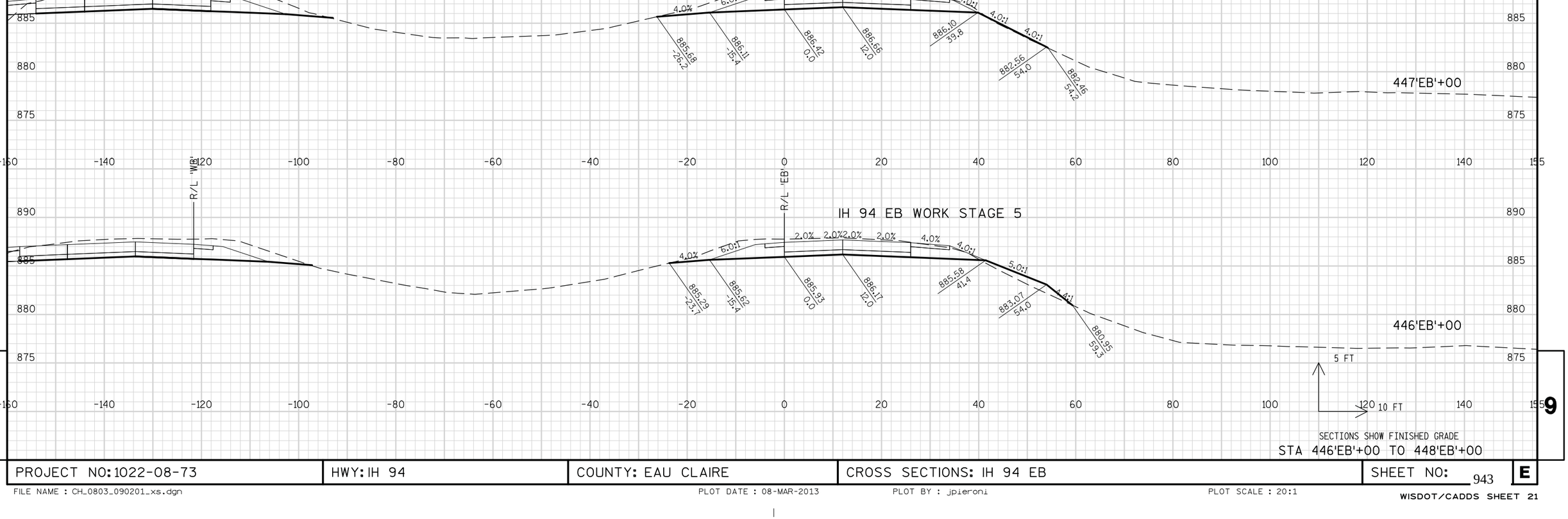
WISDOT/CADDS SHEET 21

SHOULDER AND MEDIAN GRADING WORK STAGE 6

IH 94 EB WORK STAGE 2



IH 94 EB WORK STAGE 5



IH 94 EB WORK STAGE 5

SECTIONS SHOW FINISHED GRADE

STA 446'EB'+00 TO 448'EB'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 EB	SHEET NO: 943	E

FILE NAME : CH_0803_090201_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

IH 94 EB WORK STAGE 2
SHOULDER AND MEDIAN GRADING WORK STAGE 6

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 EB	SHEET NO: 944	E

FILE NAME : CH_0803_090201_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

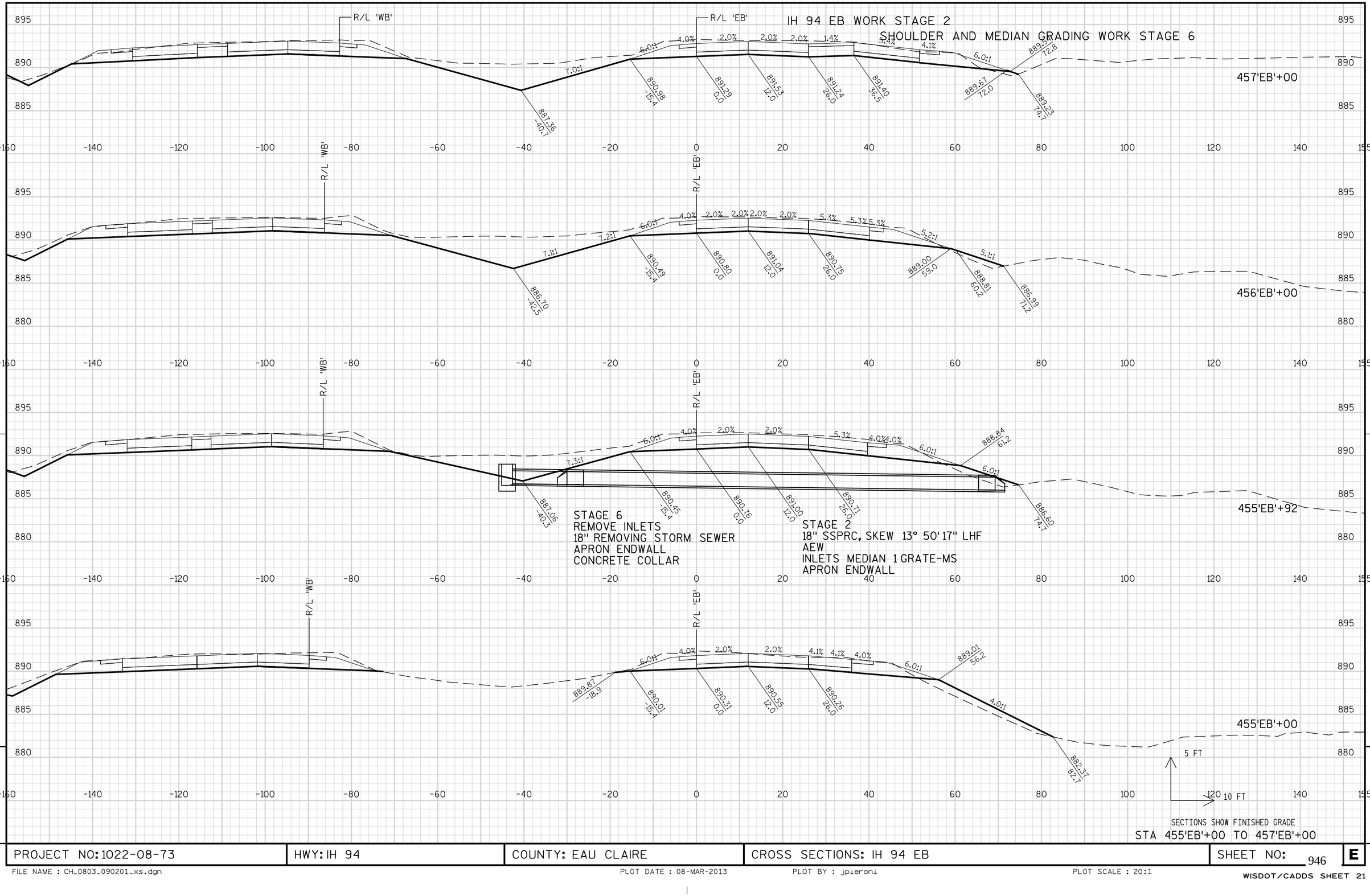
IH 94 EB WORK STAGE 2
SHOULDER AND MEDIAN GRADING WORK STAGE 6

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 EB	SHEET NO: 945	E

FILE NAME : CH_0803_090201_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

IH 94 EB WORK STAGE 2
SHOULDER AND MEDIAN GRADING WORK STAGE 6



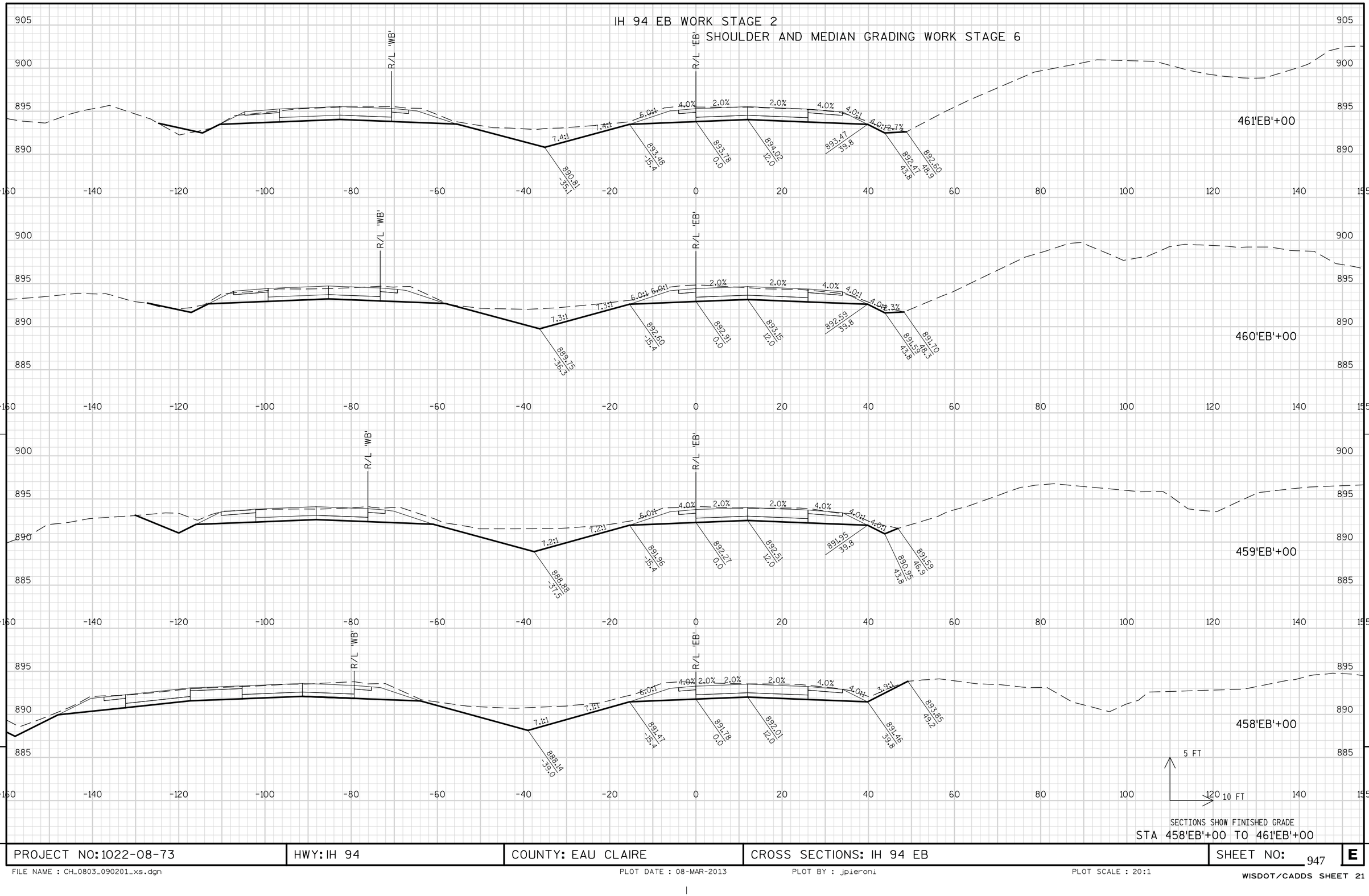
SECTIONS SHOW FINISHED GRADE
STA 455'EB'+00 TO 457'EB'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 EB	SHEET NO: 946	E

FILE NAME : CH_0803_090201_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

IH 94 EB WORK STAGE 2
SHOULDER AND MEDIAN GRADING WORK STAGE 6



SECTIONS SHOW FINISHED GRADE

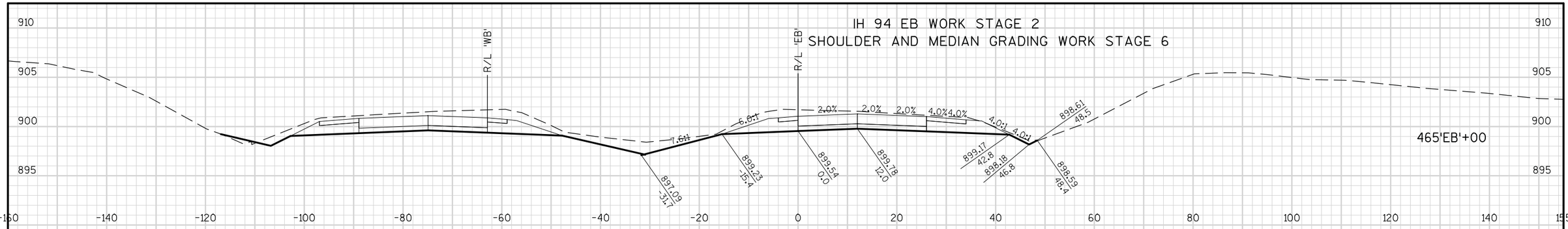
STA 458'EB'+00 TO 461'EB'+00

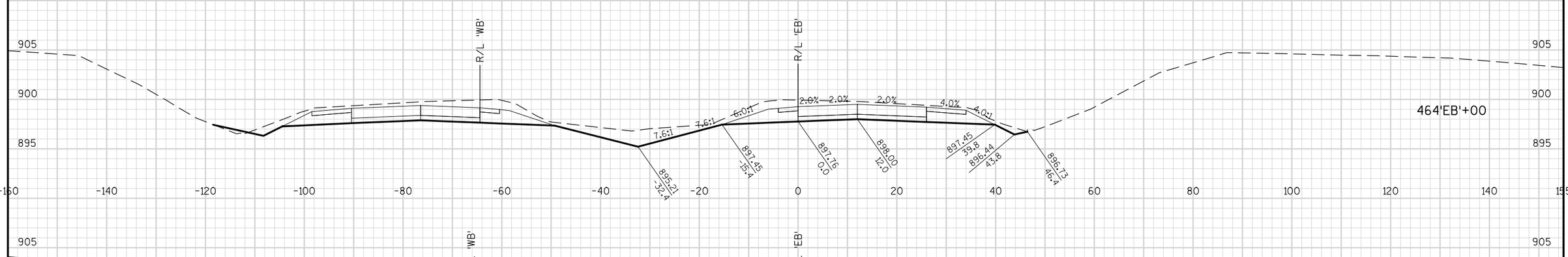
PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 EB	SHEET NO: 947	E

FILE NAME : CH_0803_090201_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

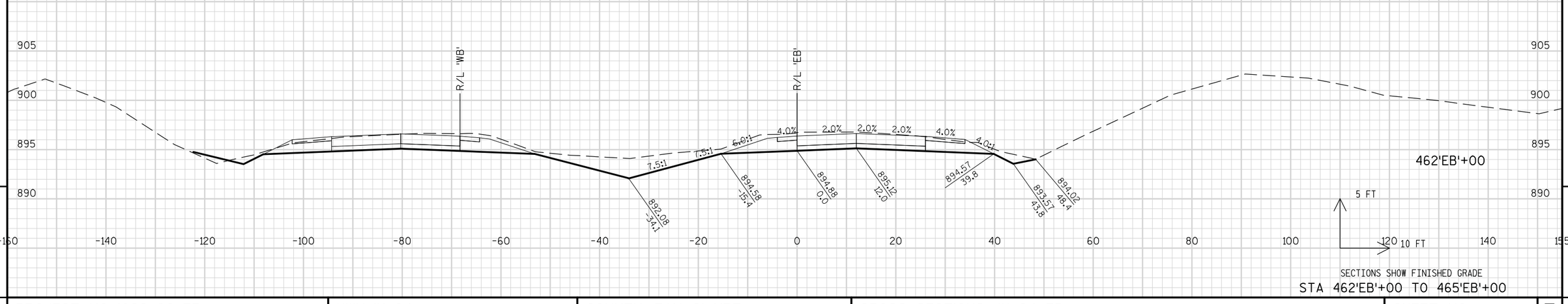
WISDOT/CADDS SHEET 21

IH 94 EB WORK STAGE 2
SHOULDER AND MEDIAN GRADING WORK STAGE 6









SECTIONS SHOW FINISHED GRADE

STA 462'EB'+00 TO 465'EB'+00

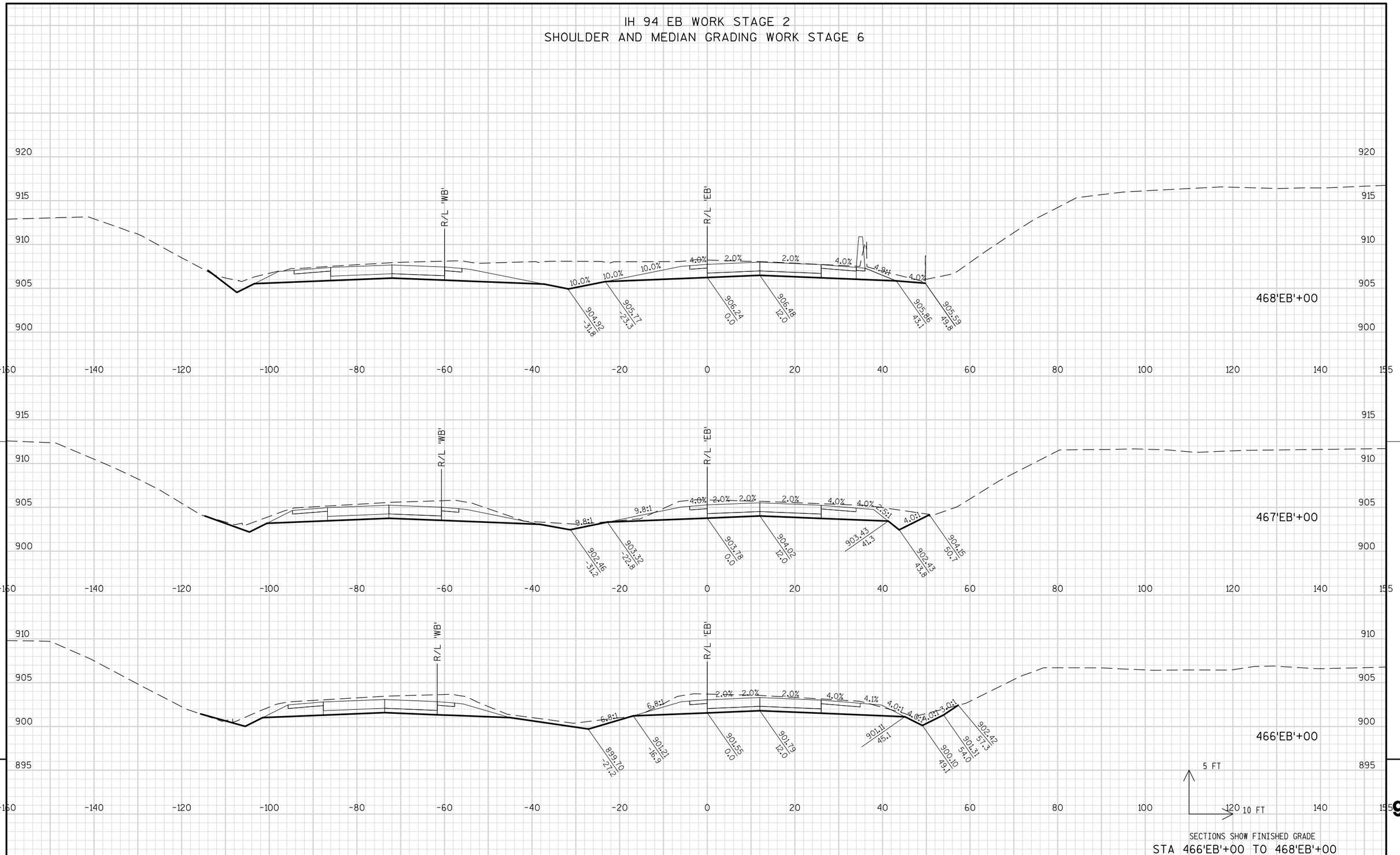
PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 EB	SHEET NO: 948	E

FILE NAME : CH_0803_090201_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

9 9

IH 94 EB WORK STAGE 2
SHOULDER AND MEDIAN GRADING WORK STAGE 6



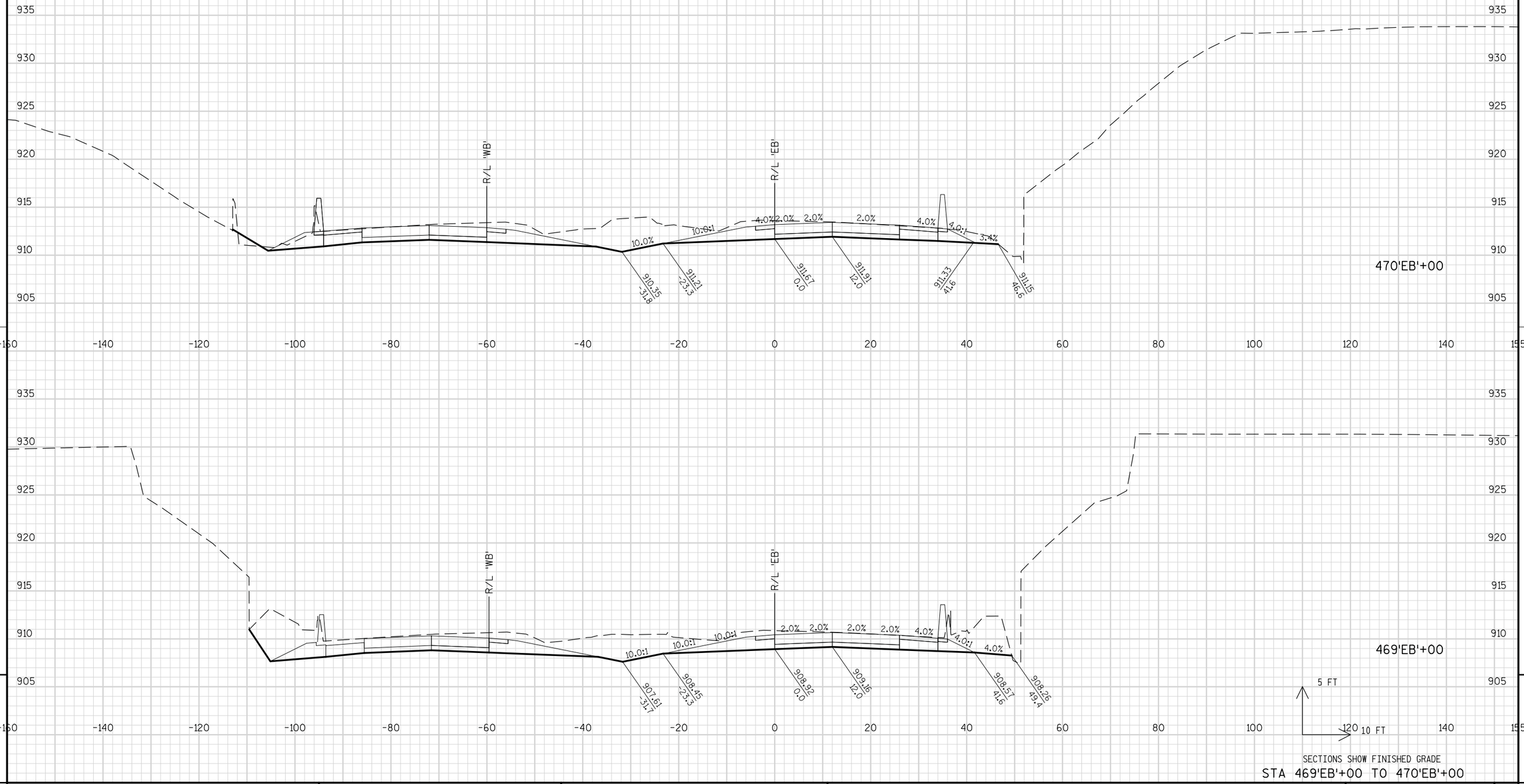
SECTIONS SHOW FINISHED GRADE
STA 466'EB'+00 TO 468'EB'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 EB	SHEET NO: 949	E

FILE NAME : CH_0803_090201_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

IH 94 EB WORK STAGE 2
SHOULDER AND MEDIAN GRADING WORK STAGE 6

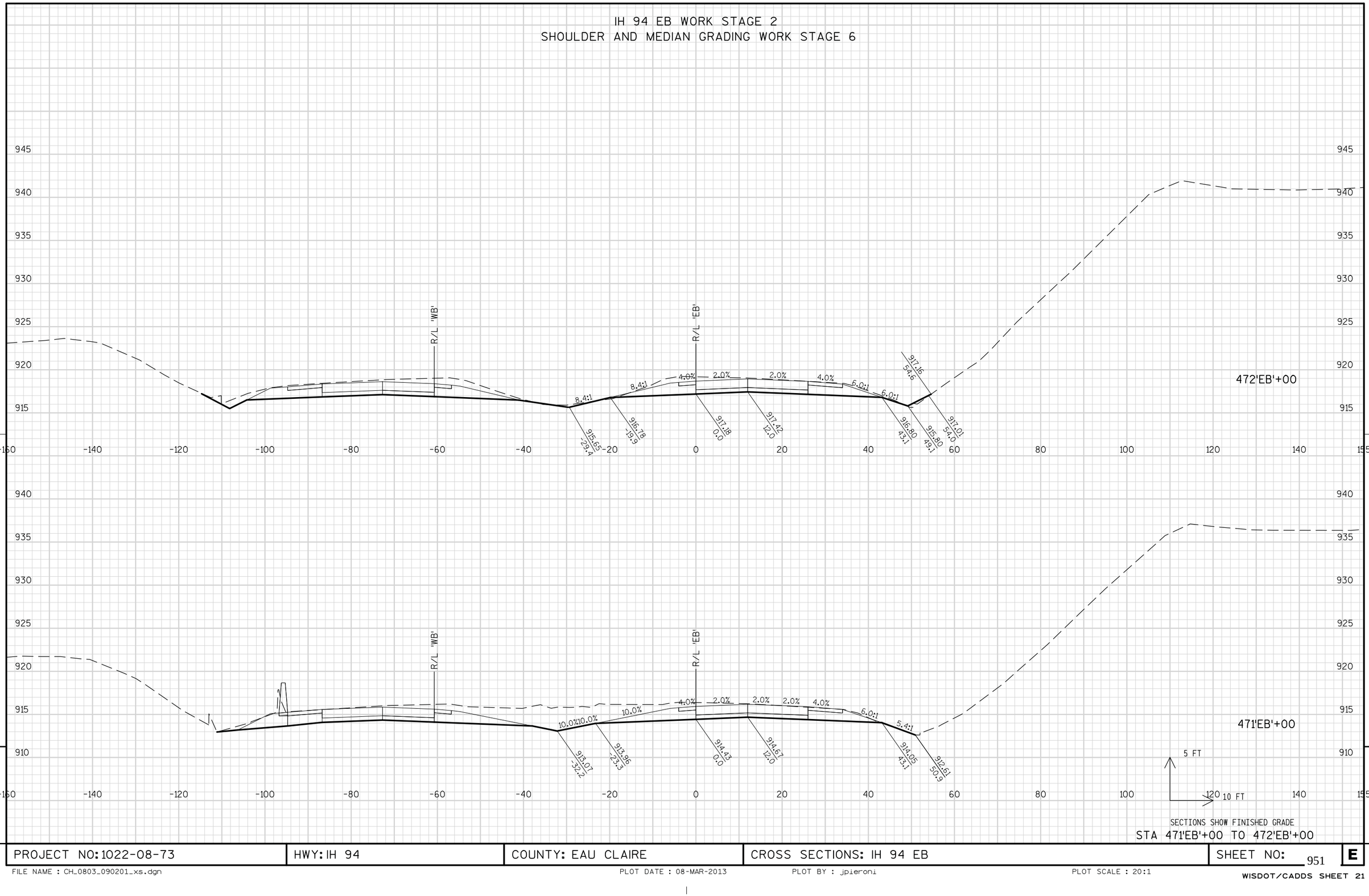


PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 EB	SHEET NO: 950	E

FILE NAME : CH_0803_090201_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

IH 94 EB WORK STAGE 2
SHOULDER AND MEDIAN GRADING WORK STAGE 6

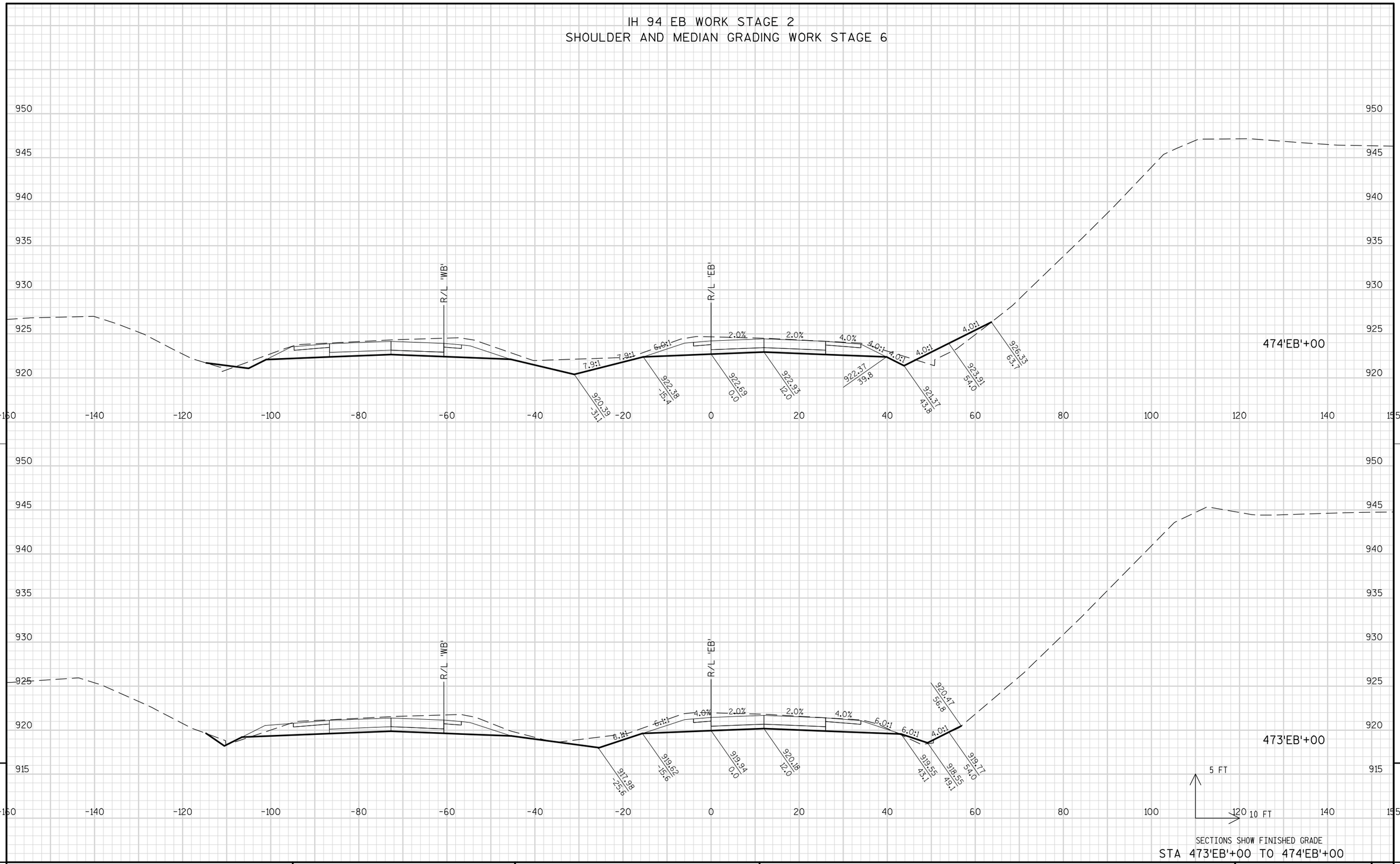


PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 EB	SHEET NO: 951	E

FILE NAME : CH_0803_090201_xs.dgn | PLOT DATE : 08-MAR-2013 | PLOT BY : jpieroni | PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

IH 94 EB WORK STAGE 2
SHOULDER AND MEDIAN GRADING WORK STAGE 6



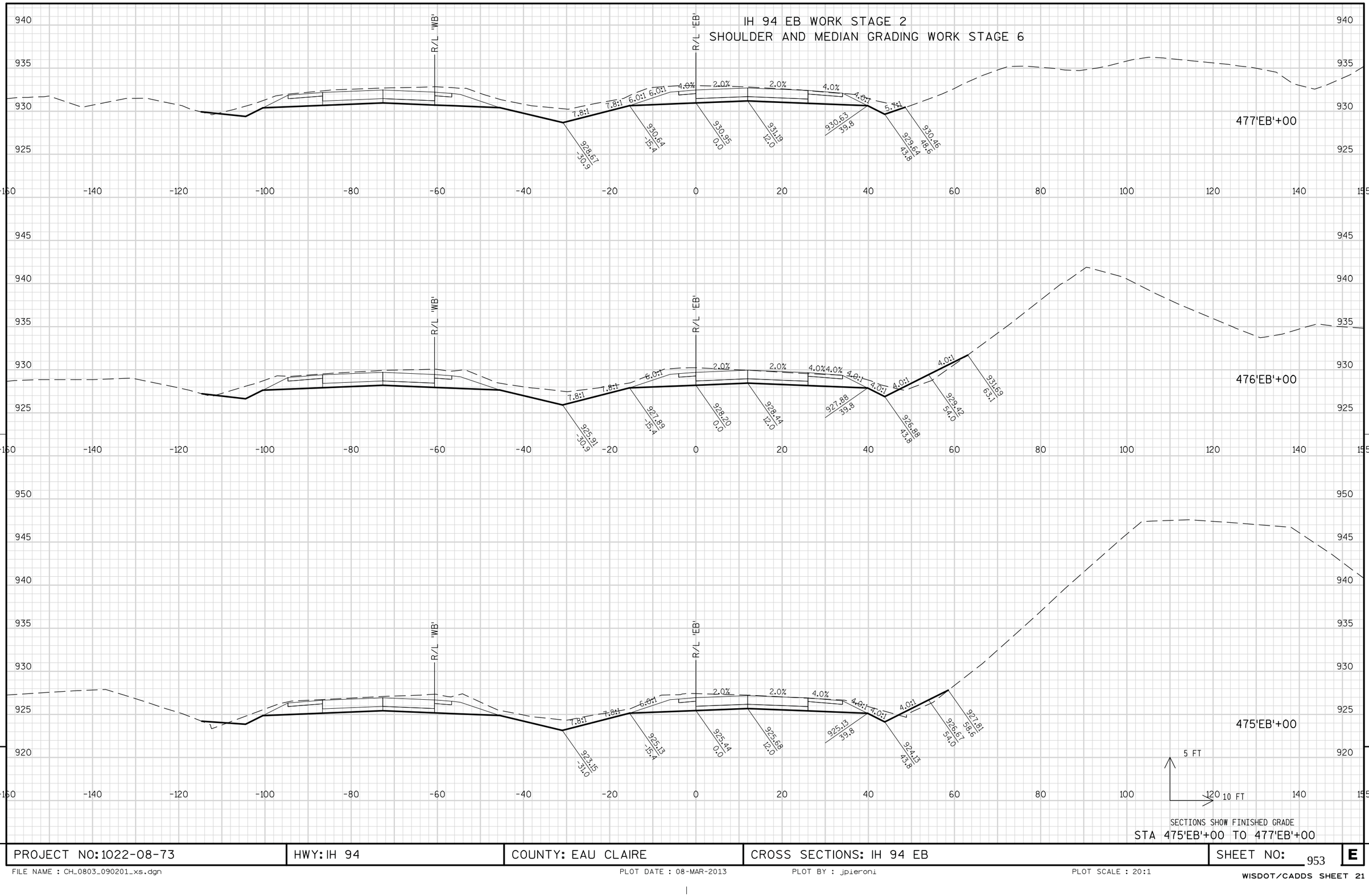
SECTIONS SHOW FINISHED GRADE
STA 473'EB'+00 TO 474'EB'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 EB	SHEET NO: 952	E

FILE NAME : CH_0803_090201_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

IH 94 EB WORK STAGE 2
SHOULDER AND MEDIAN GRADING WORK STAGE 6



SECTIONS SHOW FINISHED GRADE

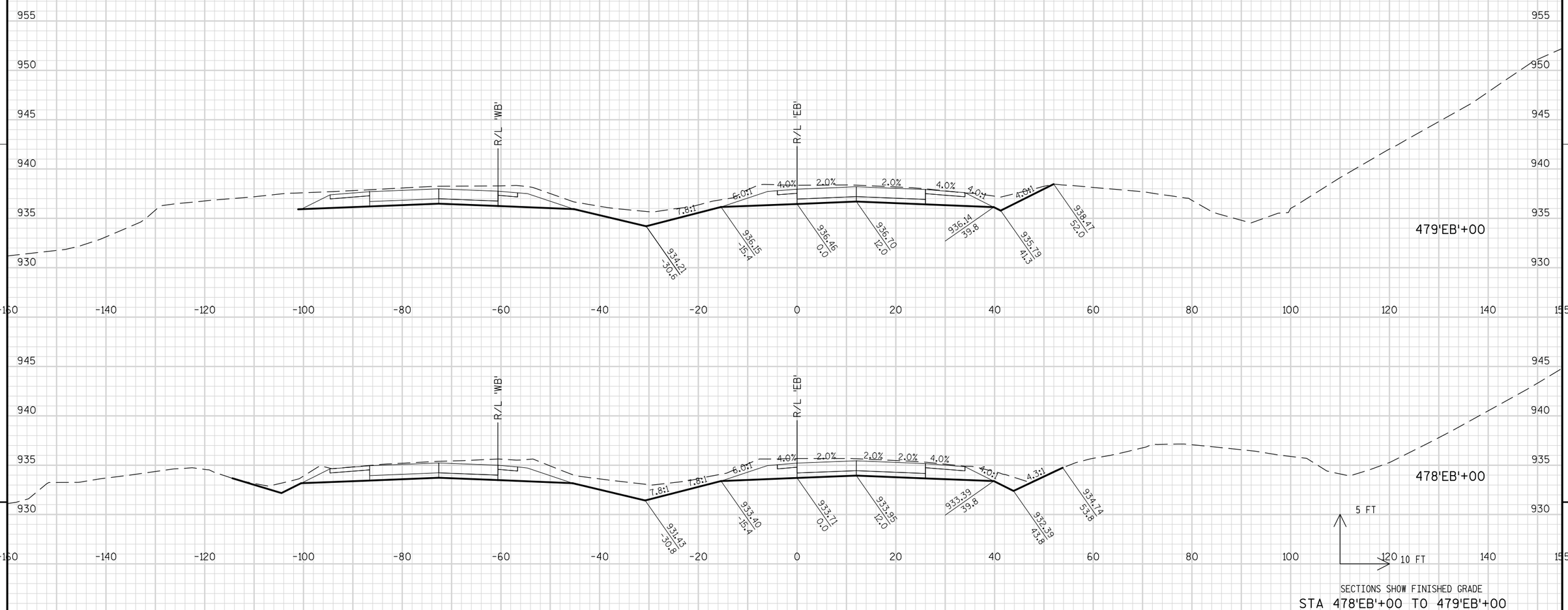
STA 475'EB'+00 TO 477'EB'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 EB	SHEET NO: 953	E

FILE NAME : CH_0803_090201_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

IH 94 EB WORK STAGE 2
SHOULDER AND MEDIAN GRADING WORK STAGE 6



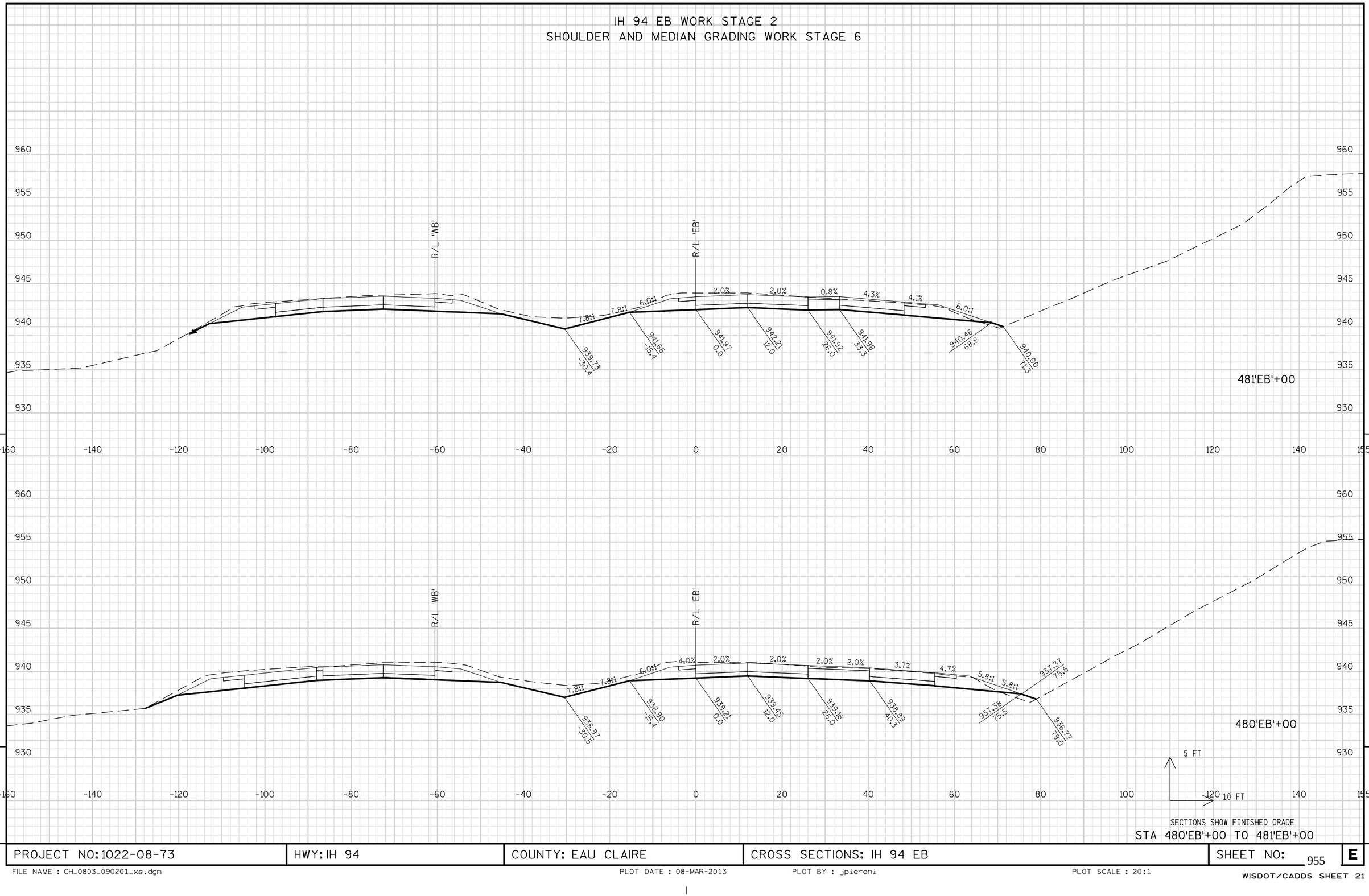
SECTIONS SHOW FINISHED GRADE
STA 478'EB'+00 TO 479'EB'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 EB	SHEET NO: 954	E

FILE NAME : CH_0803_090201_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

IH 94 EB WORK STAGE 2
SHOULDER AND MEDIAN GRADING WORK STAGE 6

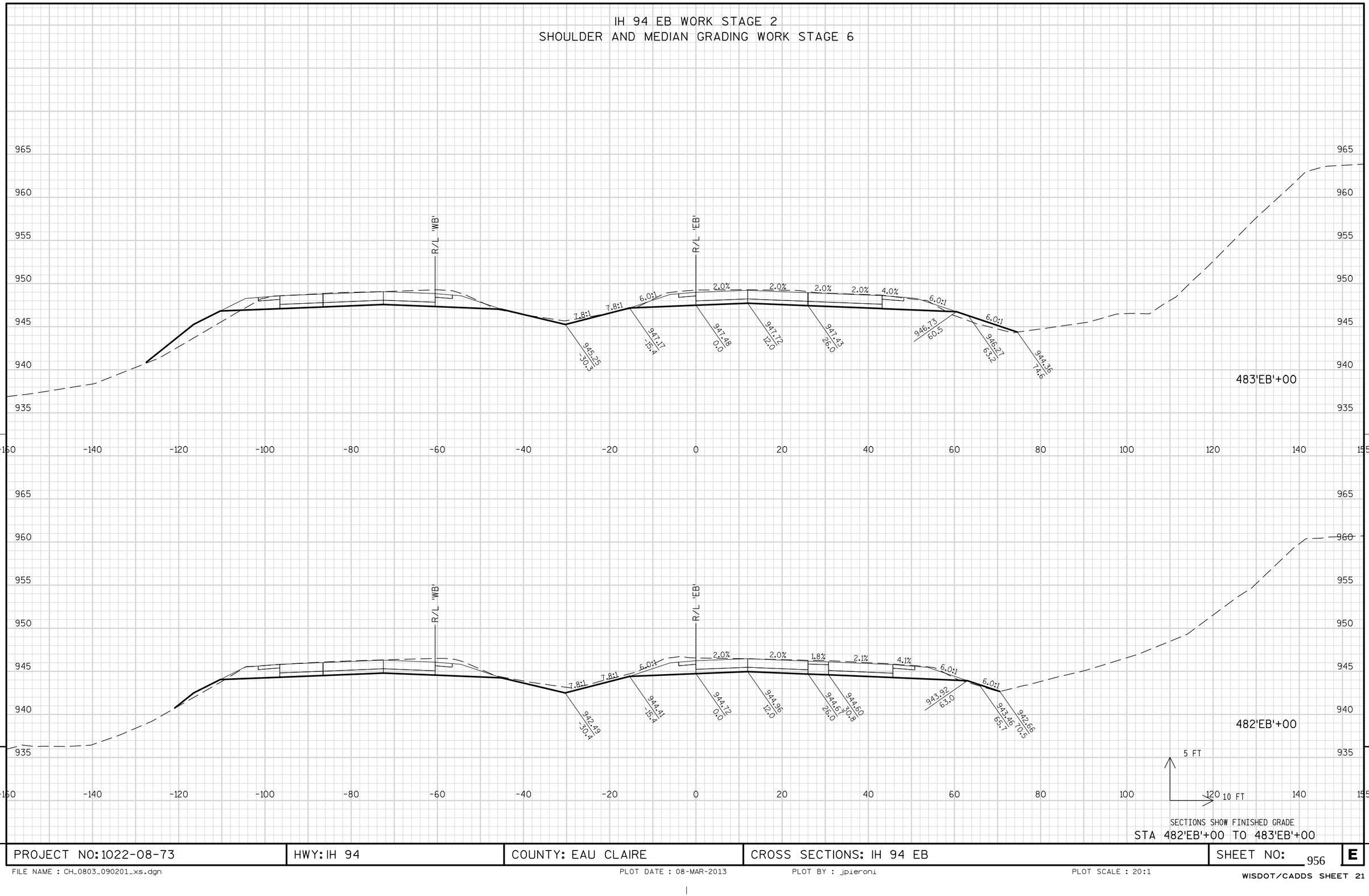


PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 EB	SHEET NO: 955	E

FILE NAME : CH_0803_090201_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

IH 94 EB WORK STAGE 2
SHOULDER AND MEDIAN GRADING WORK STAGE 6

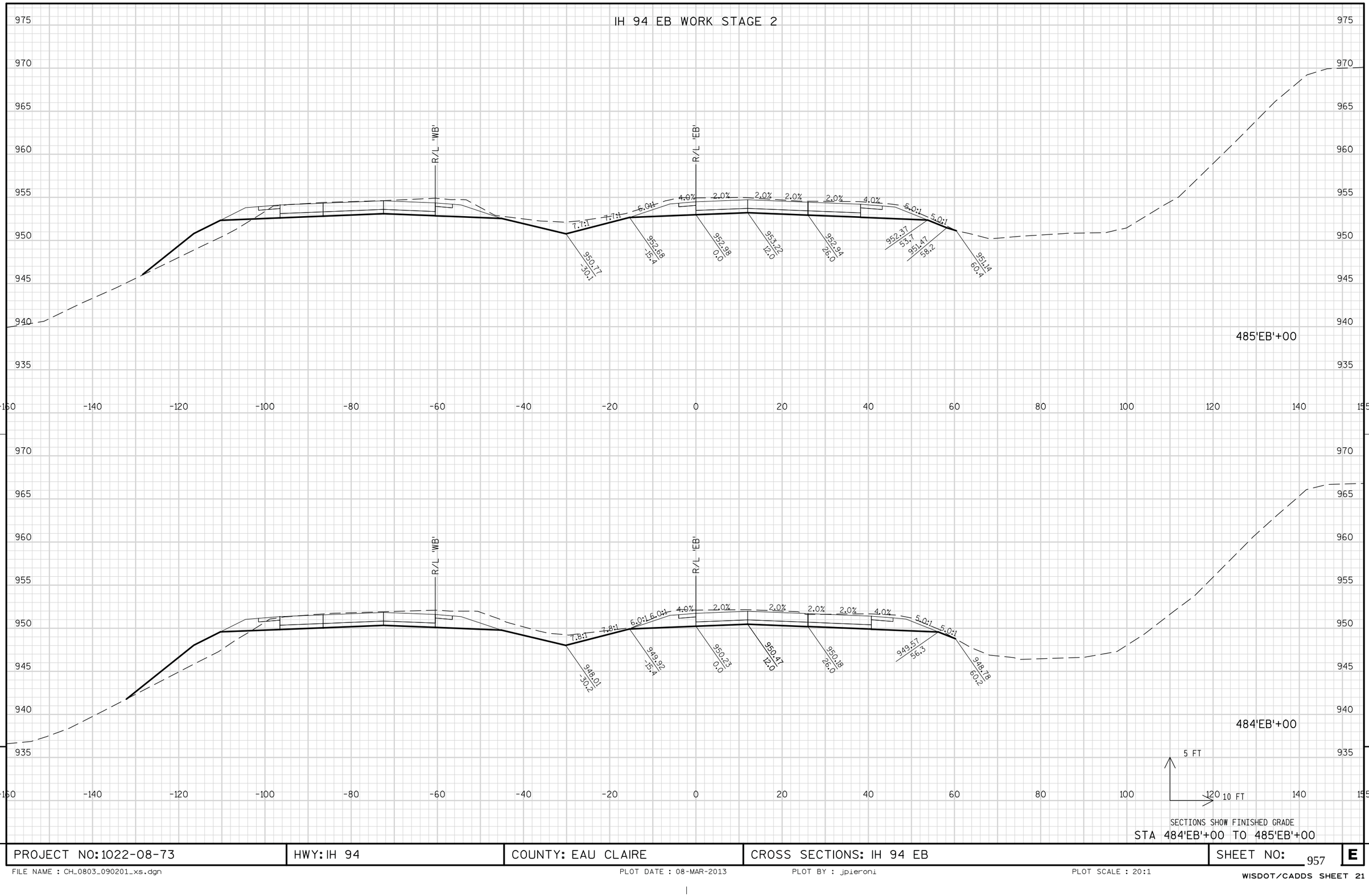


PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 EB	SHEET NO: 956	E

FILE NAME : CH_0803_090201_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

IH 94 EB WORK STAGE 2

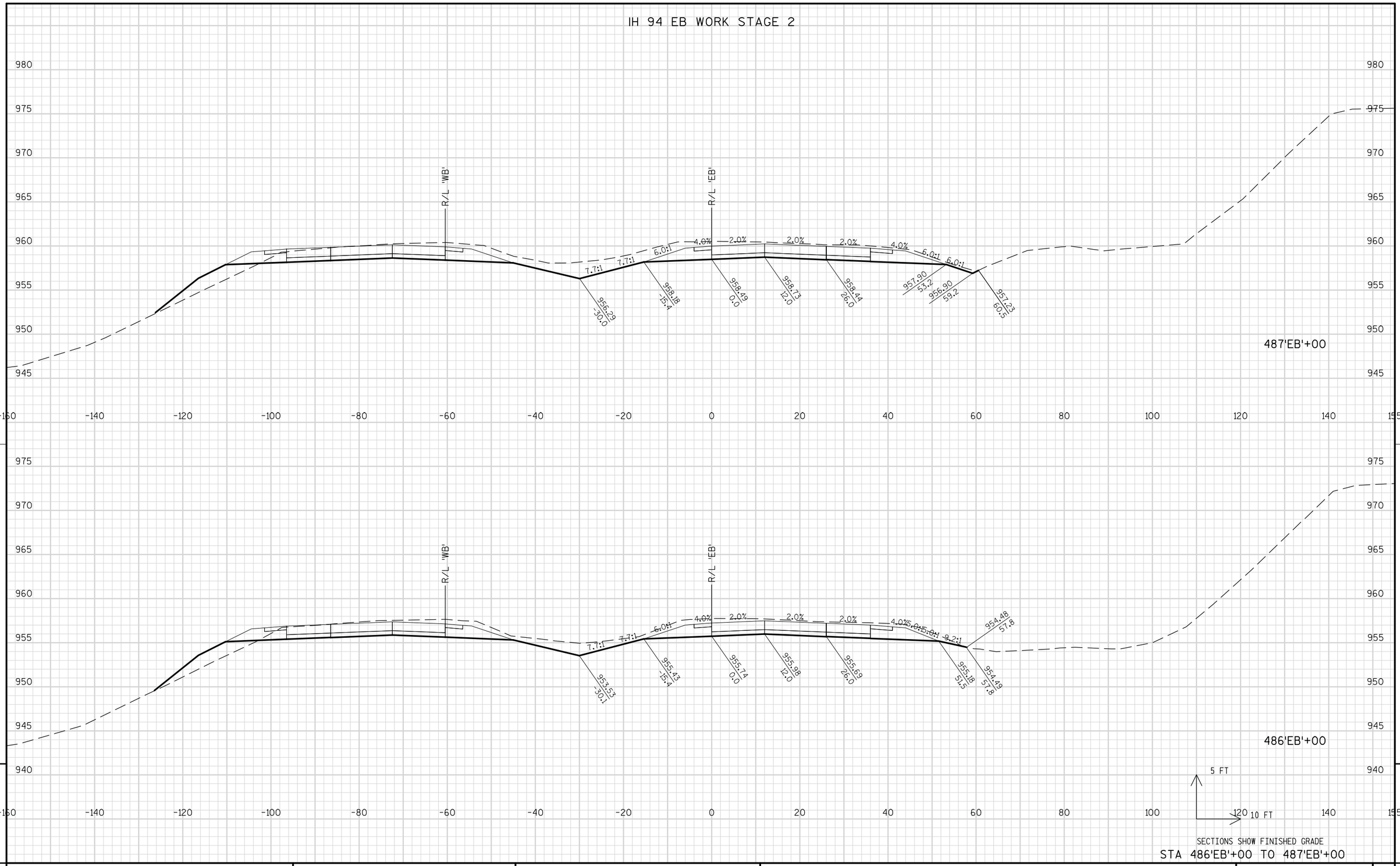


PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 EB	SHEET NO: 957 E

FILE NAME : CH_0803_090201_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

IH 94 EB WORK STAGE 2

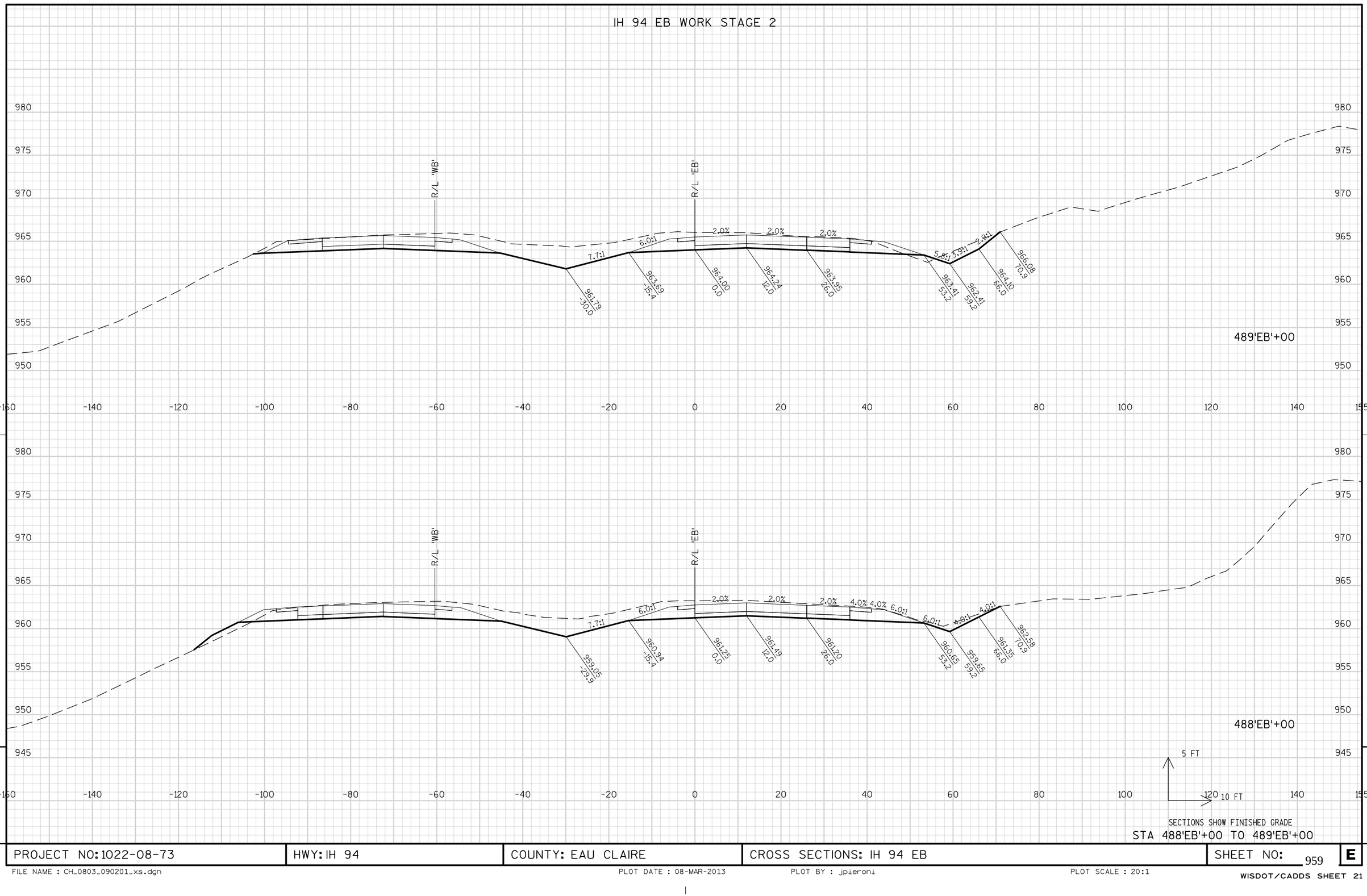


PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 EB	SHEET NO: 958 E

FILE NAME : CH_0803_090201_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

IH 94 EB WORK STAGE 2

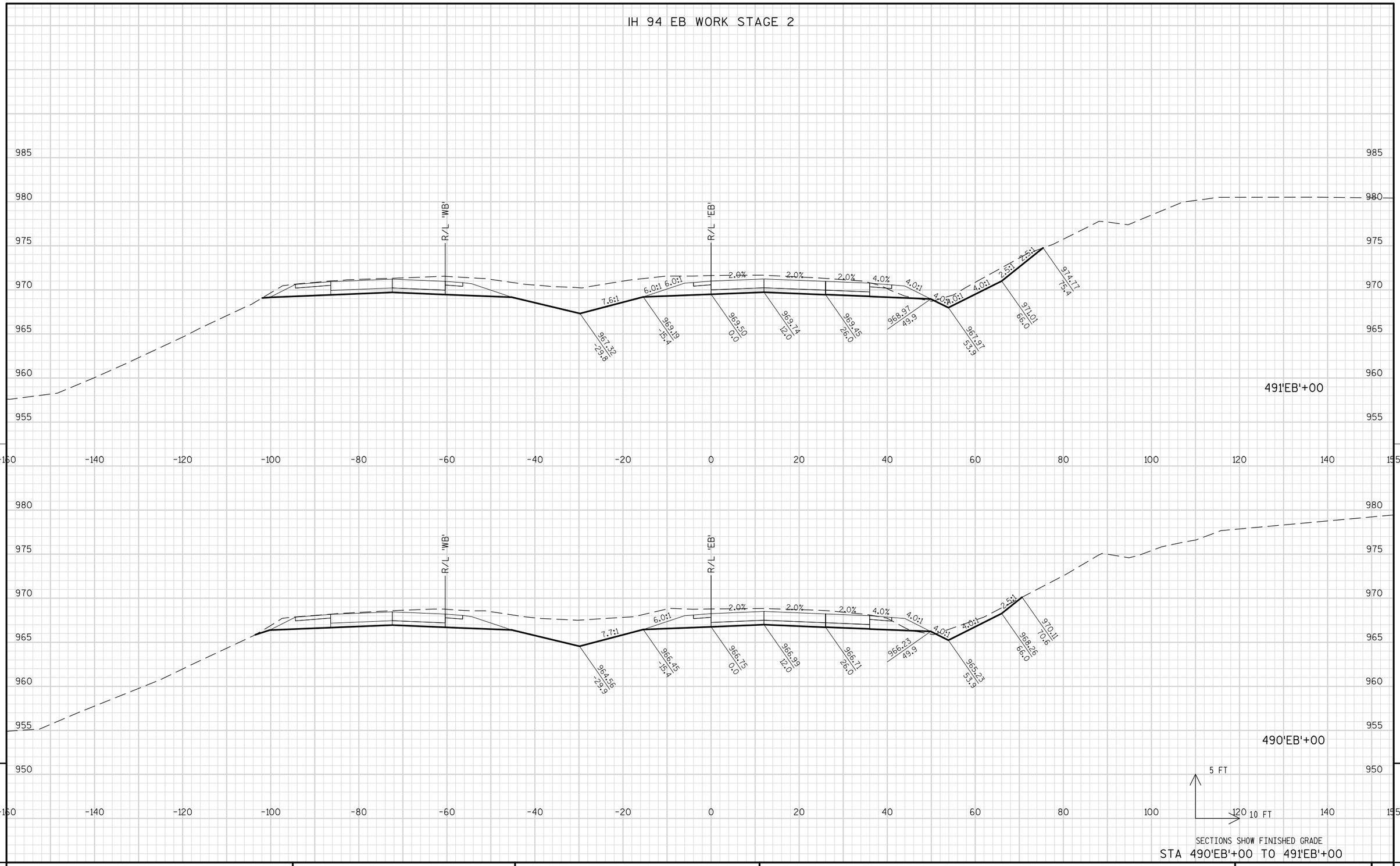


PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 EB	SHEET NO: 959 E

FILE NAME : CH_0803_090201_xs.dgn | PLOT DATE : 08-MAR-2013 | PLOT BY : jpieroni | PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

IH 94 EB WORK STAGE 2



SECTIONS SHOW FINISHED GRADE

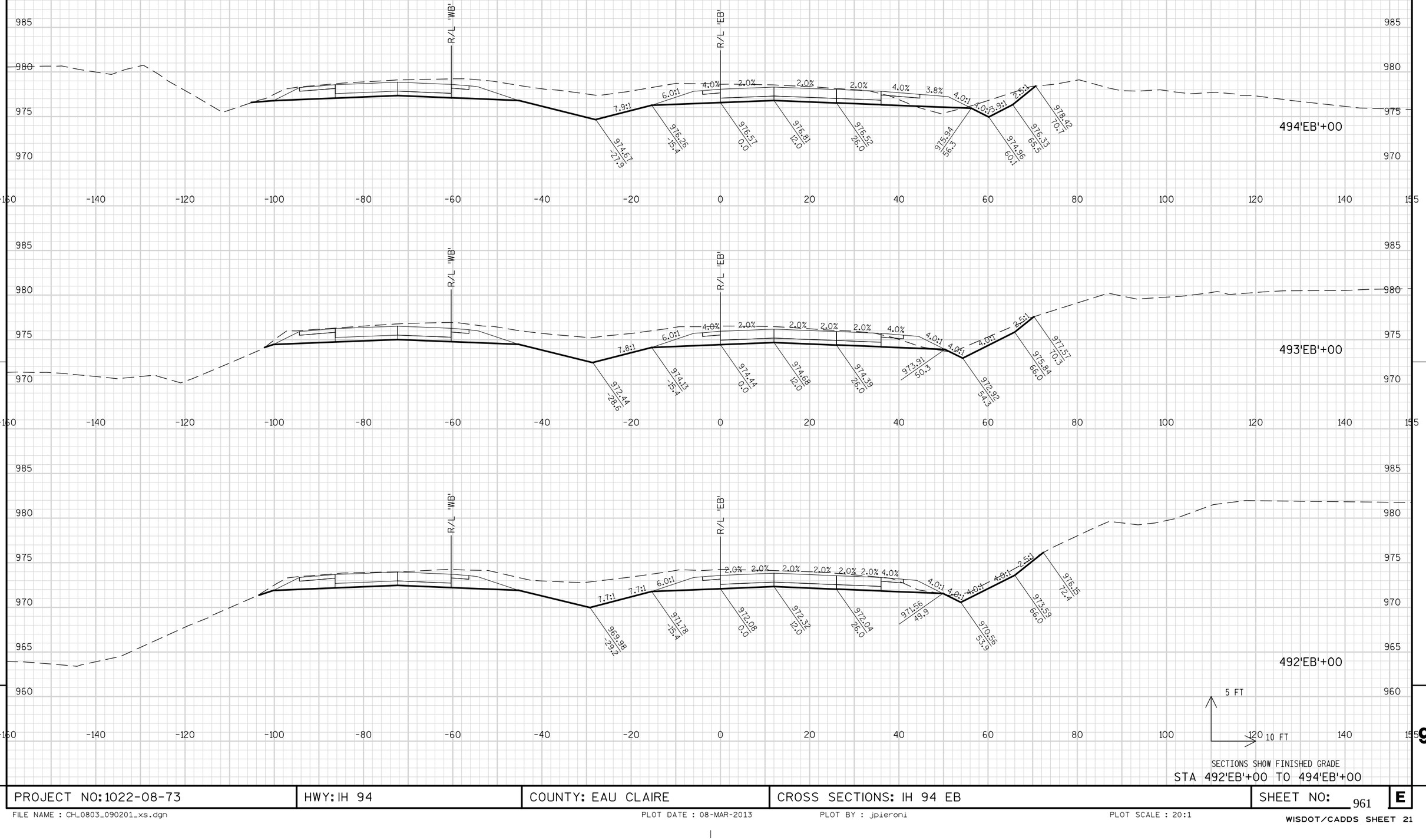
STA 490'EB'+00 TO 491'EB'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 EB	SHEET NO: 960 E

FILE NAME : CH_0803_090201_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

IH 94 EB WORK STAGE 2



SECTIONS SHOW FINISHED GRADE

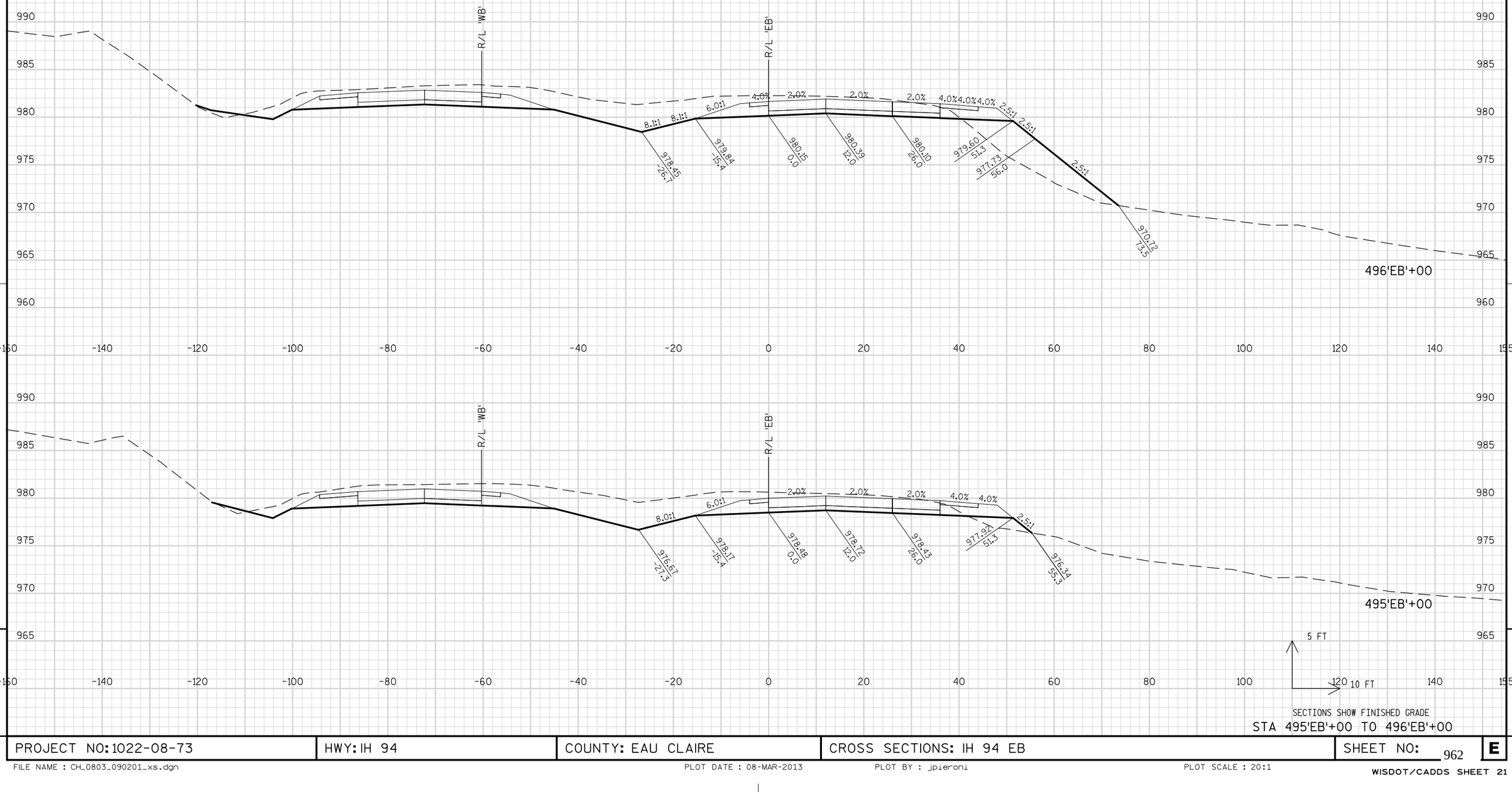
STA 492'EB'+00 TO 494'EB'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 EB	SHEET NO: 961	E

FILE NAME : CH_0803_090201_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

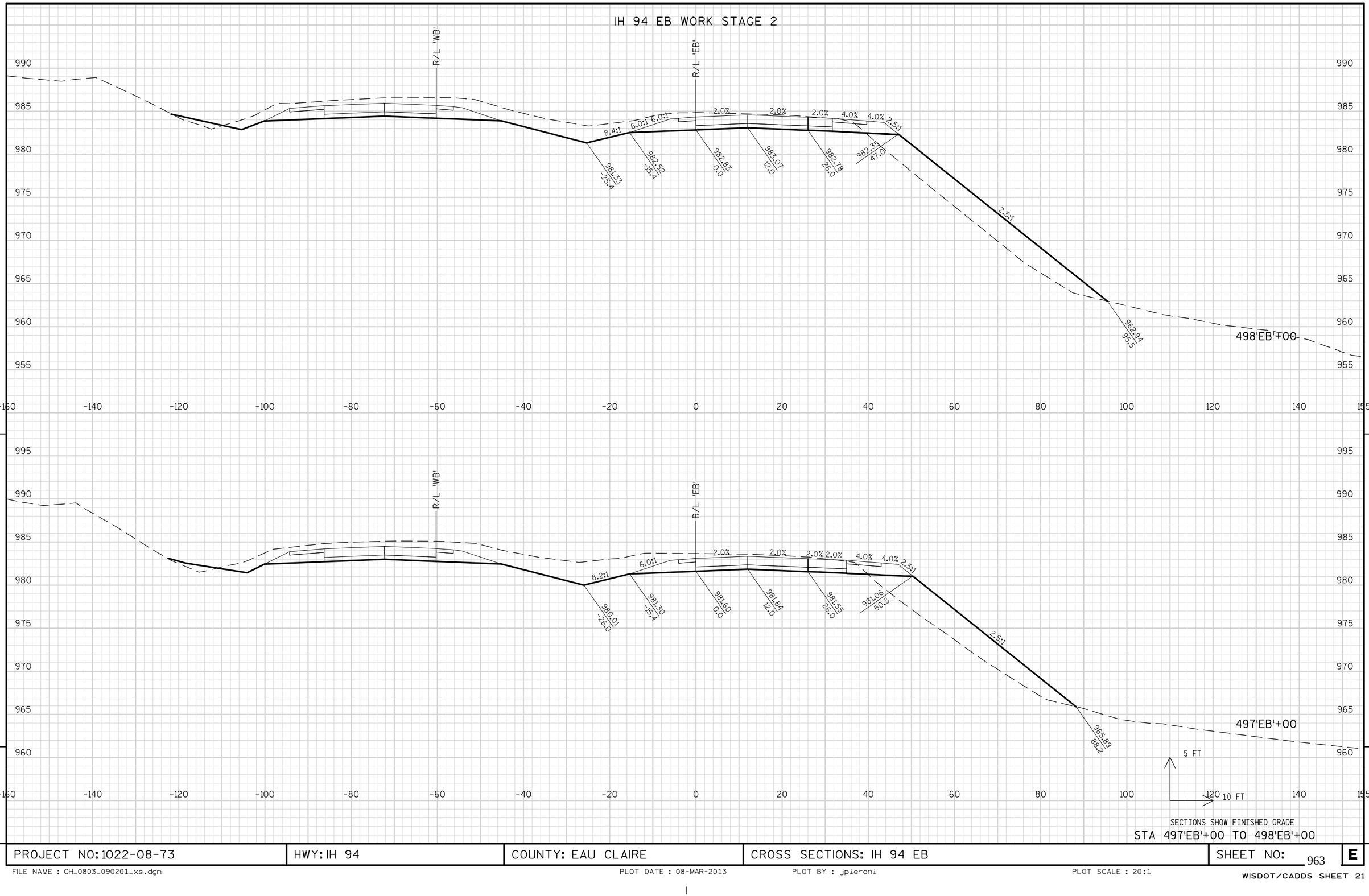
IH 94 EB WORK STAGE 2



PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 EB	SHEET NO: 962	E

FILE NAME : CH_0803_090201_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

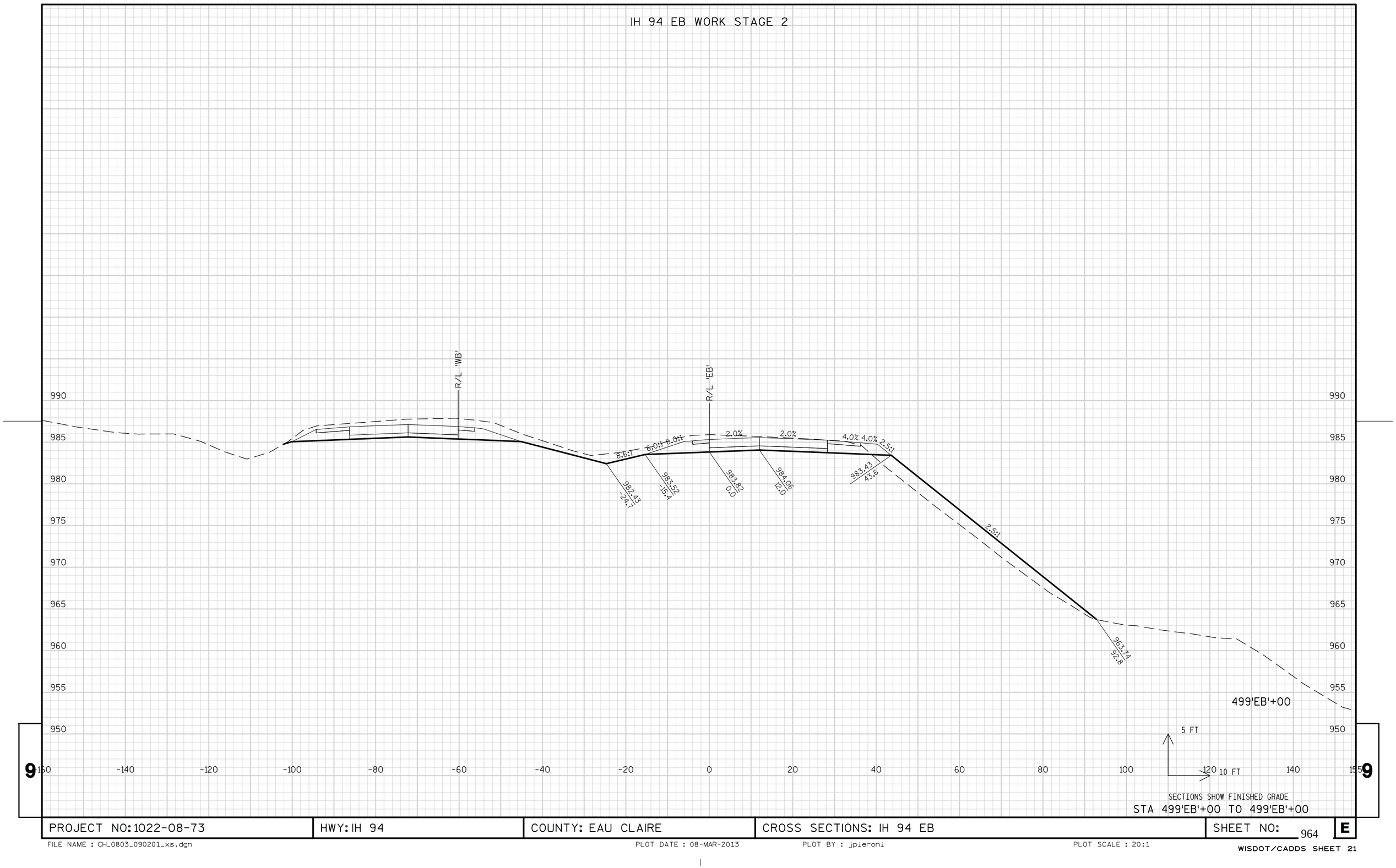


PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 EB	SHEET NO: 963 E

FILE NAME : CH_0803_090201_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

IH 94 EB WORK STAGE 2



SECTIONS SHOW FINISHED GRADE

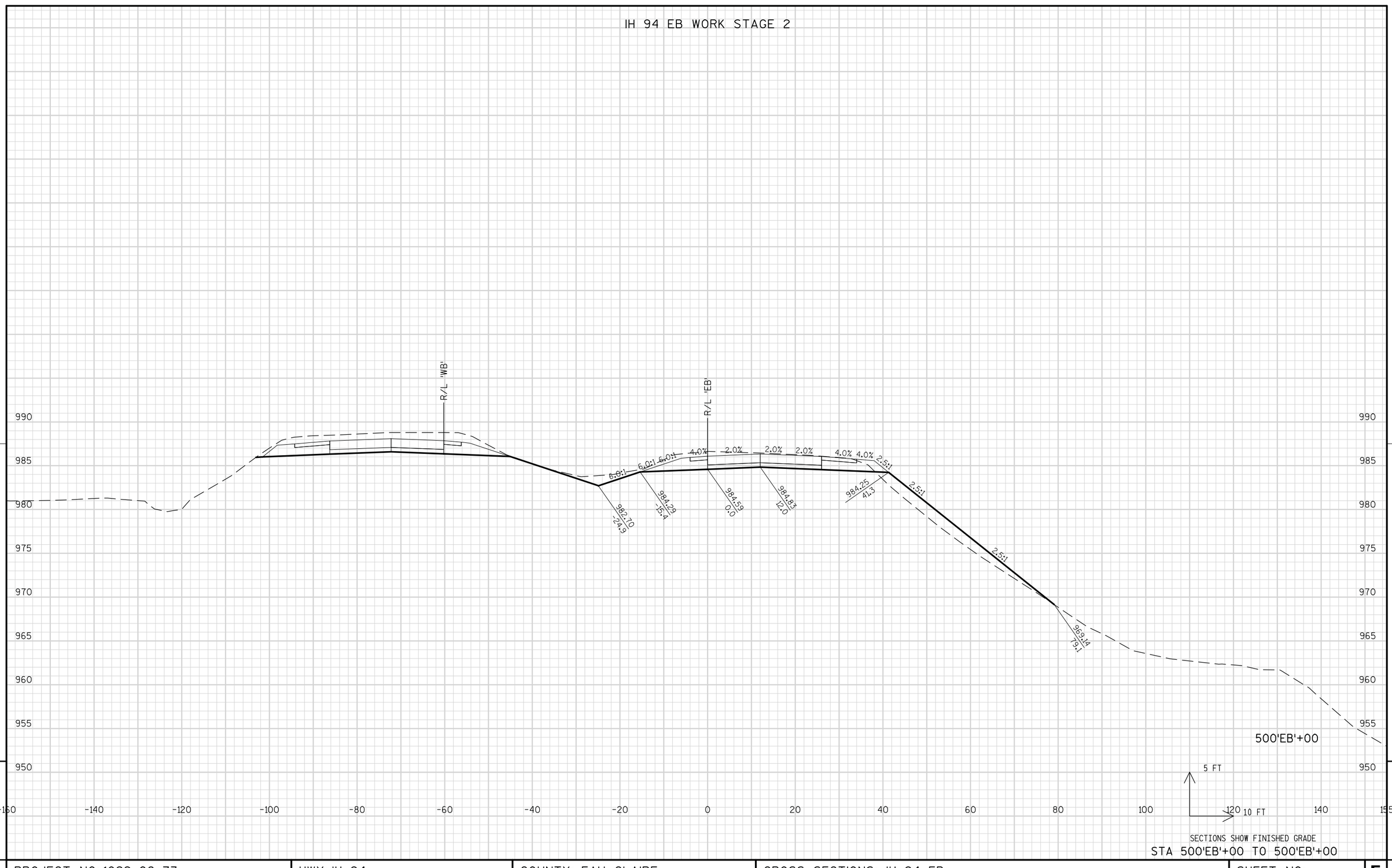
STA 499'EB'+00 TO 499'EB'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 EB	SHEET NO: 964	E

FILE NAME : CH_0803_090201_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

IH 94 EB WORK STAGE 2



SECTIONS SHOW FINISHED GRADE

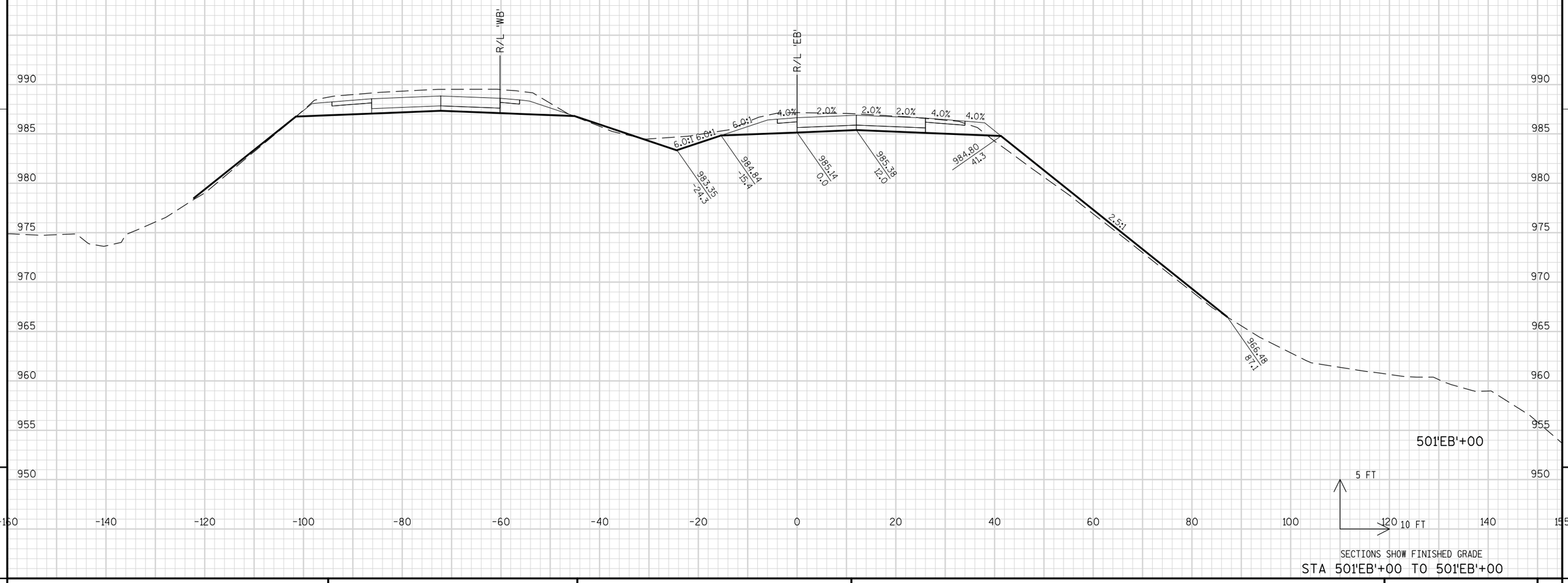
STA 500'EB'+00 TO 500'EB'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 EB	SHEET NO: 965	E

FILE NAME : CH_0803_090201_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

IH 94 EB WORK STAGE 2



SECTIONS SHOW FINISHED GRADE

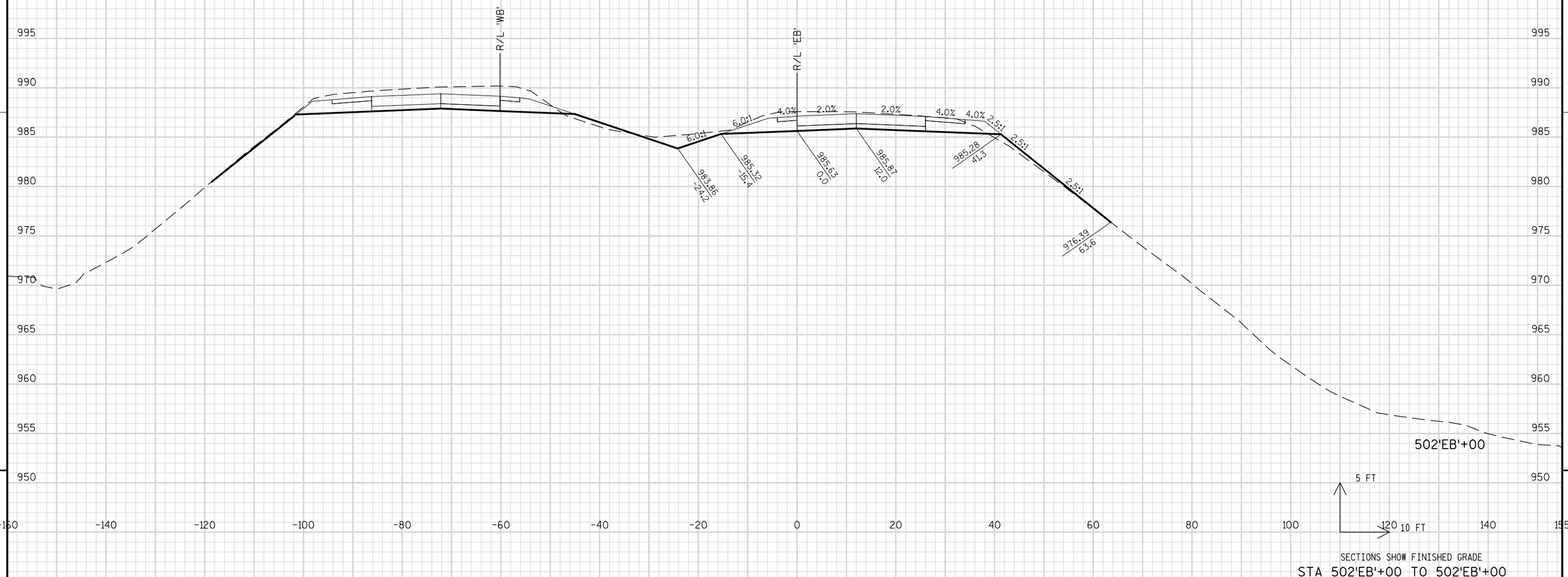
STA 501'EB'+00 TO 501'EB'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 EB	SHEET NO: 966	E

FILE NAME : CH_0803_090201_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

IH 94 EB WORK STAGE 2



SECTIONS SHOW FINISHED GRADE

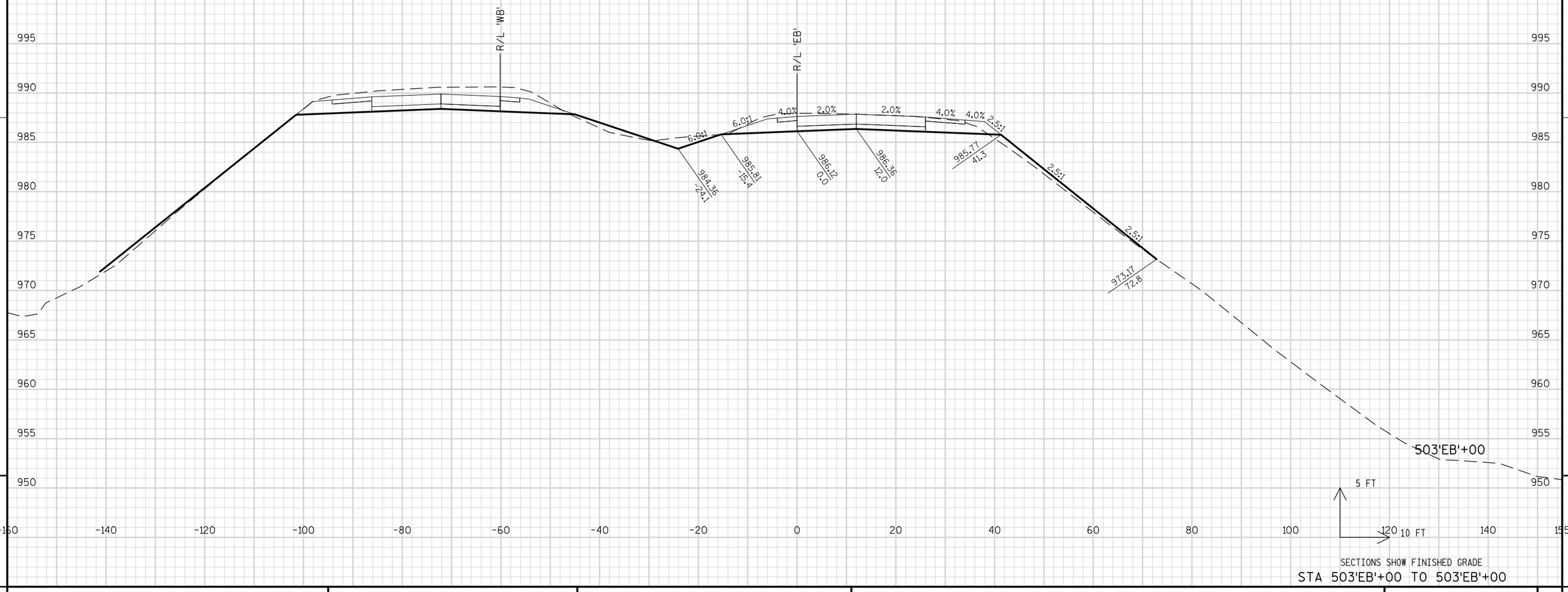
STA 502'EB'+00 TO 502'EB'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 EB	SHEET NO: 967	E

FILE NAME : CH_0803_090201_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

IH 94 EB WORK STAGE 2



SECTIONS SHOW FINISHED GRADE

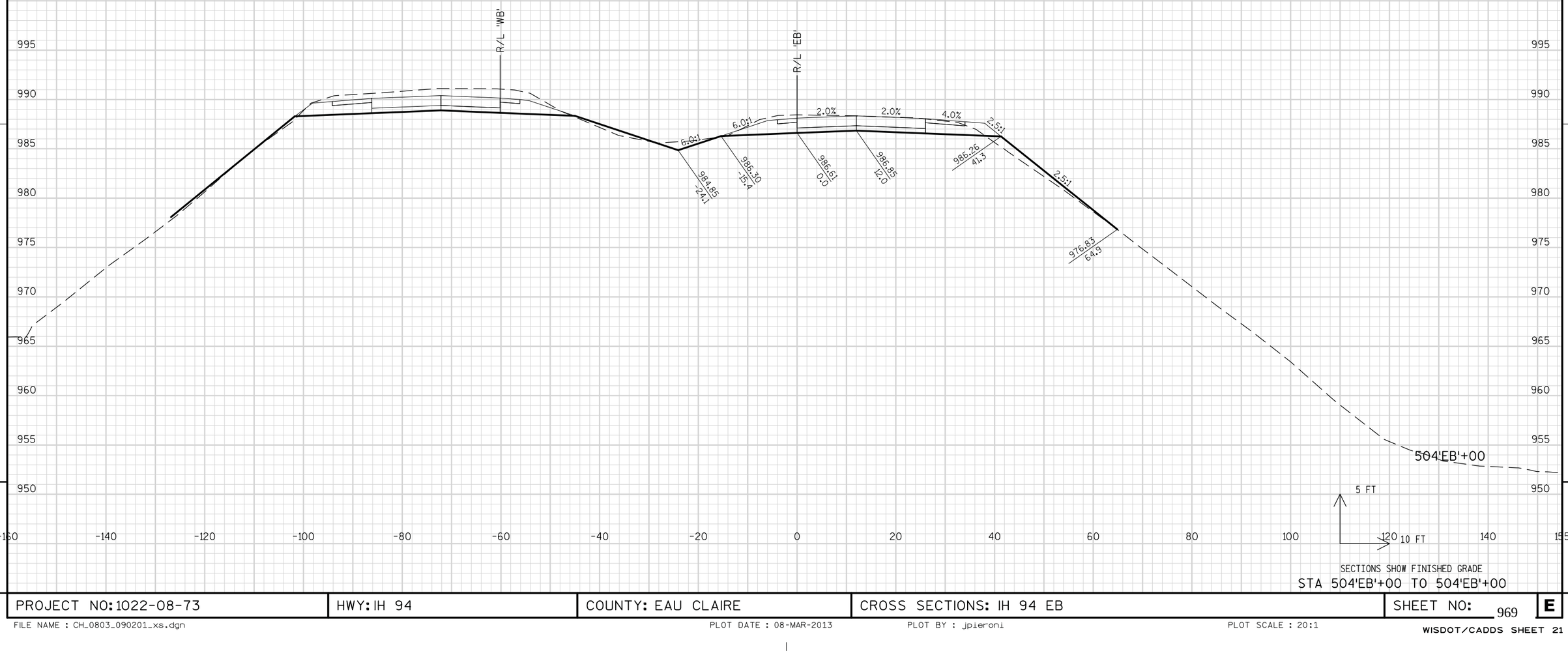
STA 503'EB'+00 TO 503'EB'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 EB	SHEET NO: 968	E

FILE NAME : CH_0803_090201_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

IH 94 EB WORK STAGE 2



SECTIONS SHOW FINISHED GRADE

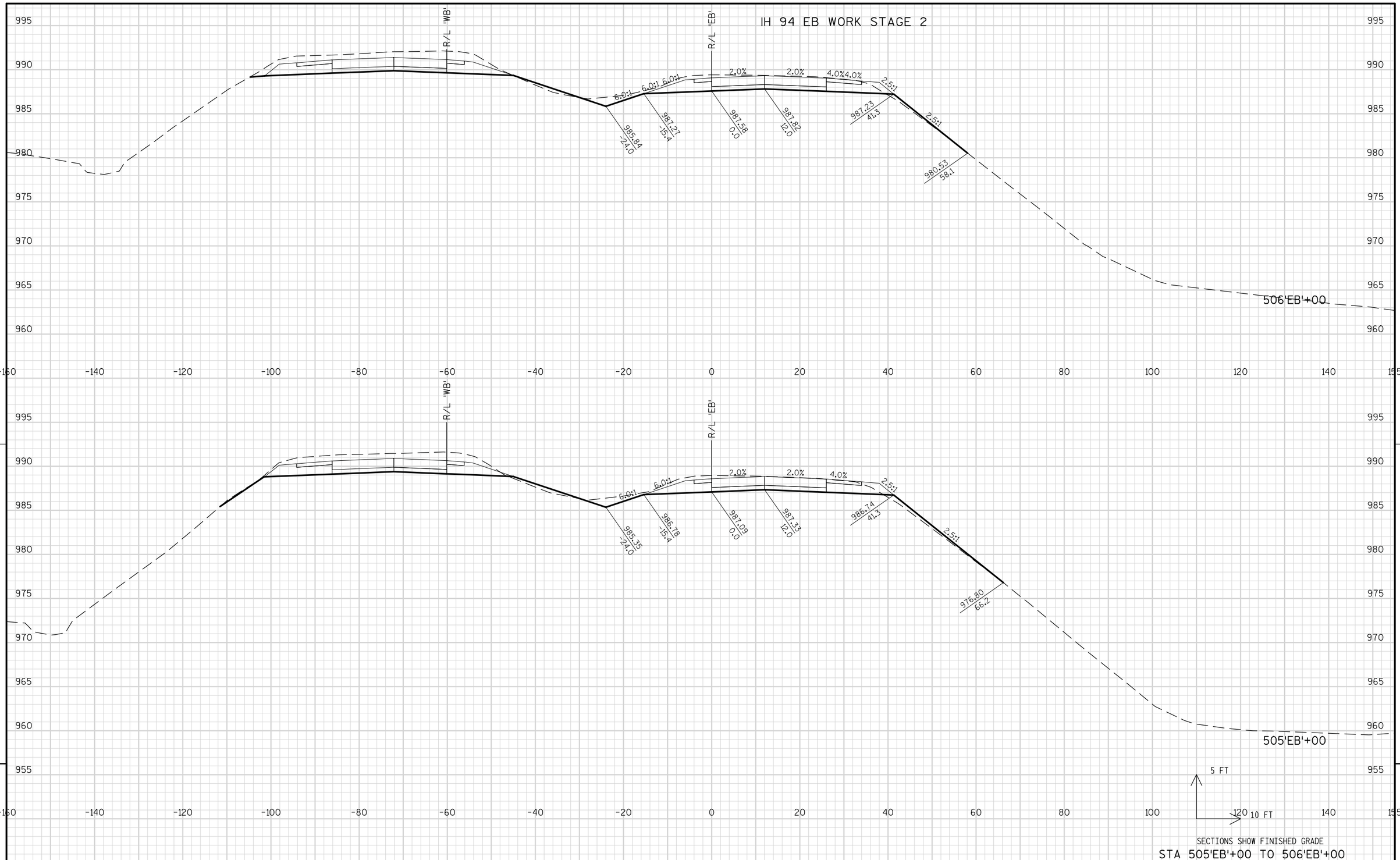
STA 504'EB'+00 TO 504'EB'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 EB	SHEET NO: 969	E

FILE NAME : CH_0803_090201_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

IH 94 EB WORK STAGE 2



SECTIONS SHOW FINISHED GRADE

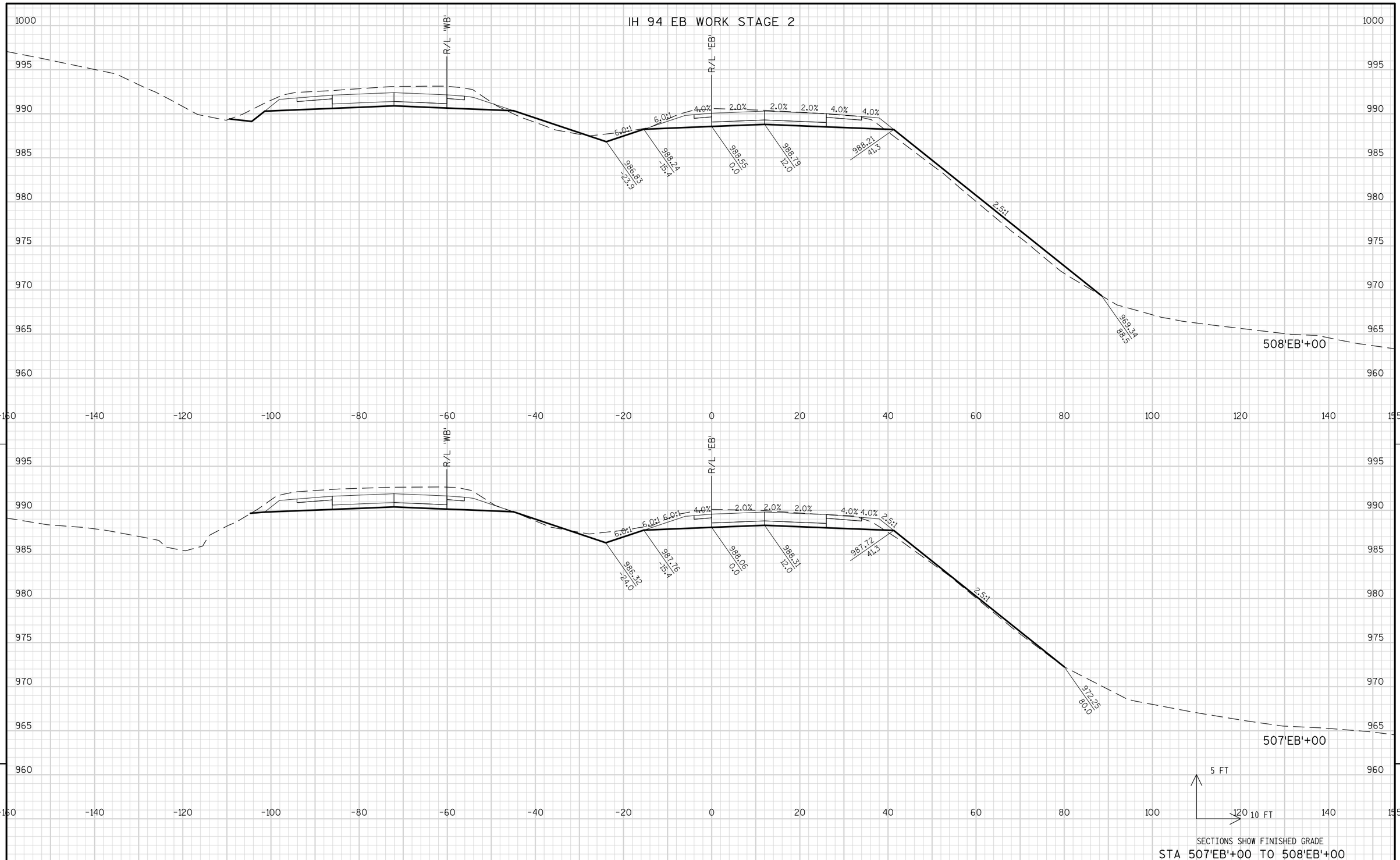
STA 505'EB'+00 TO 506'EB'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 EB	SHEET NO: 970	E

FILE NAME : CH_0803_090201_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

IH 94 EB WORK STAGE 2

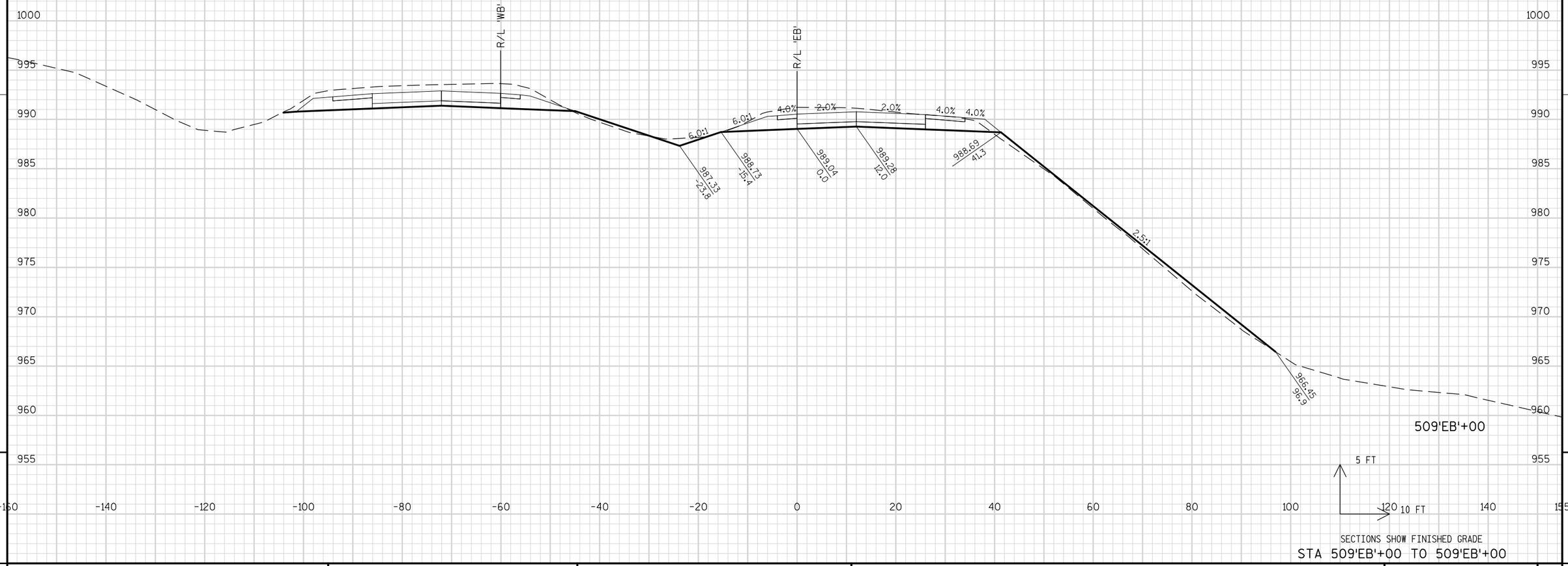


PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 EB	SHEET NO: 971	E

FILE NAME : CH_0803_090201_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

IH 94 EB WORK STAGE 2

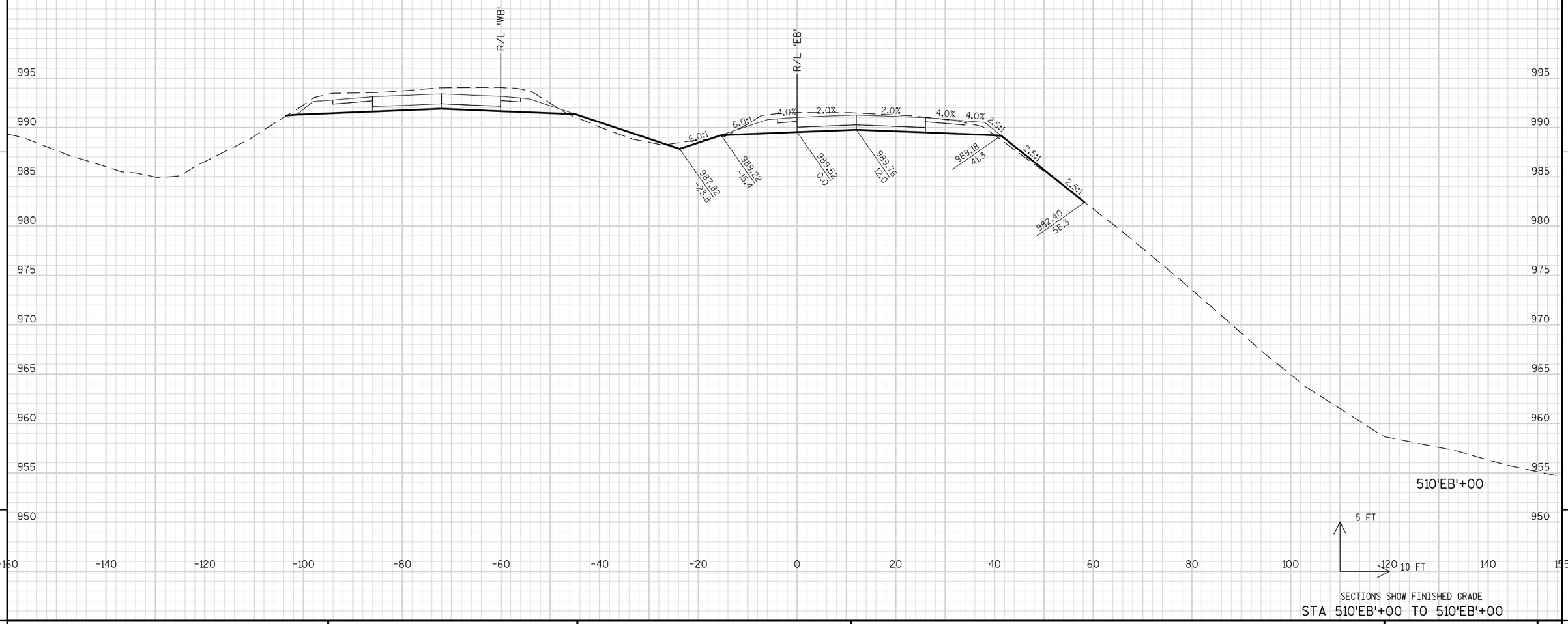


PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 EB	SHEET NO: 972	E

FILE NAME : CH_0803_090201_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

IH 94 EB WORK STAGE 2



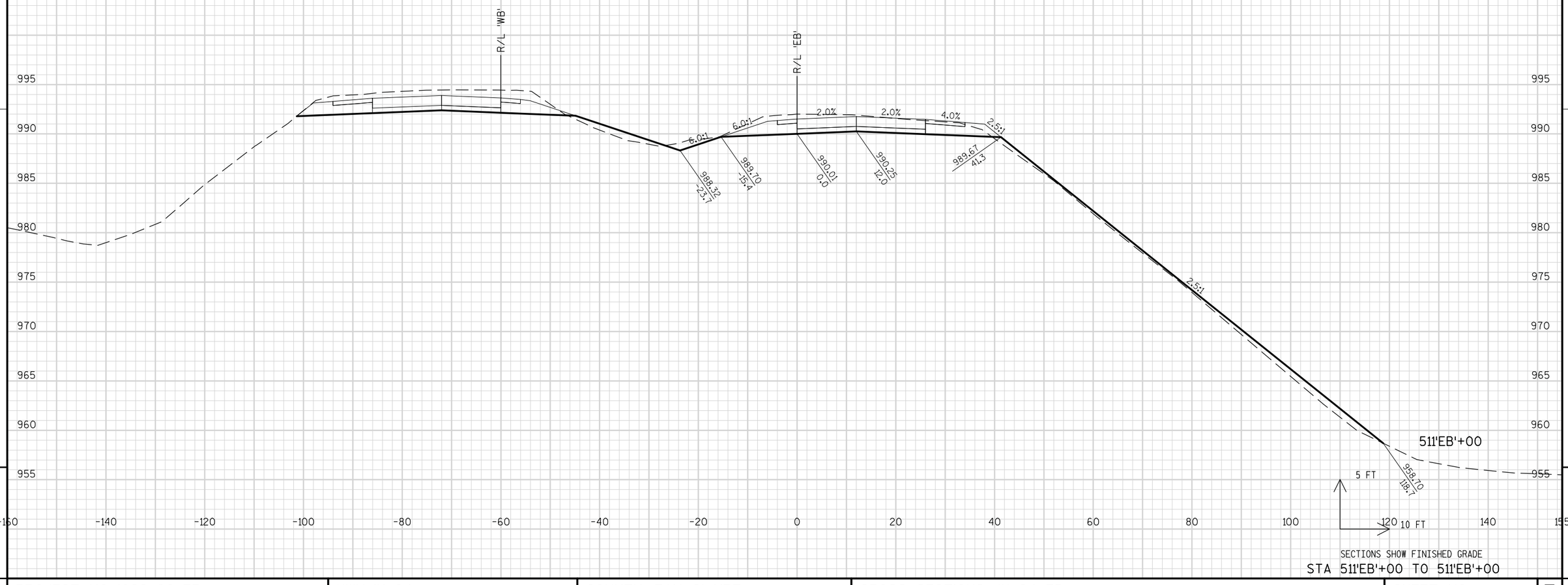
SECTIONS SHOW FINISHED GRADE
STA 510'EB'+00 TO 510'EB'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 EB	SHEET NO: 973	E

FILE NAME : CH_0803_090201_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

IH 94 EB WORK STAGE 2



SECTIONS SHOW FINISHED GRADE

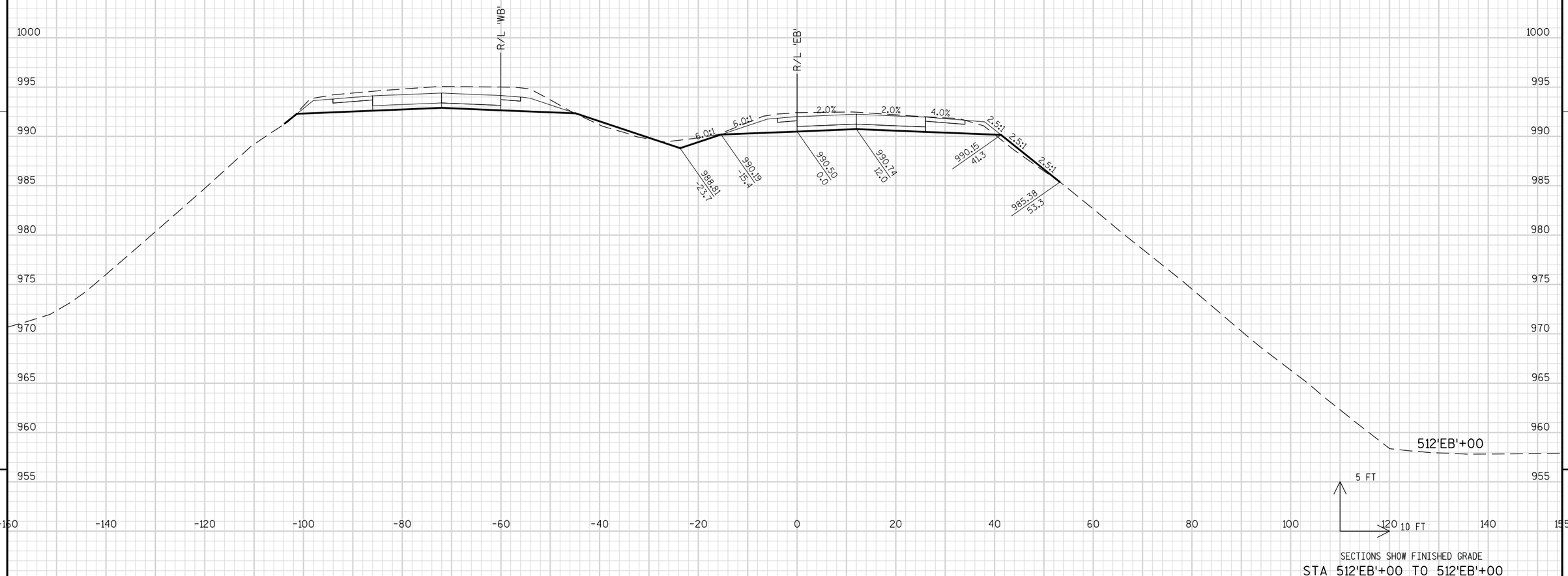
STA 511'EB'+00 TO 511'EB'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 EB	SHEET NO: 974	E

FILE NAME : CH_0803_090201_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

IH 94 EB WORK STAGE 2



SECTIONS SHOW FINISHED GRADE

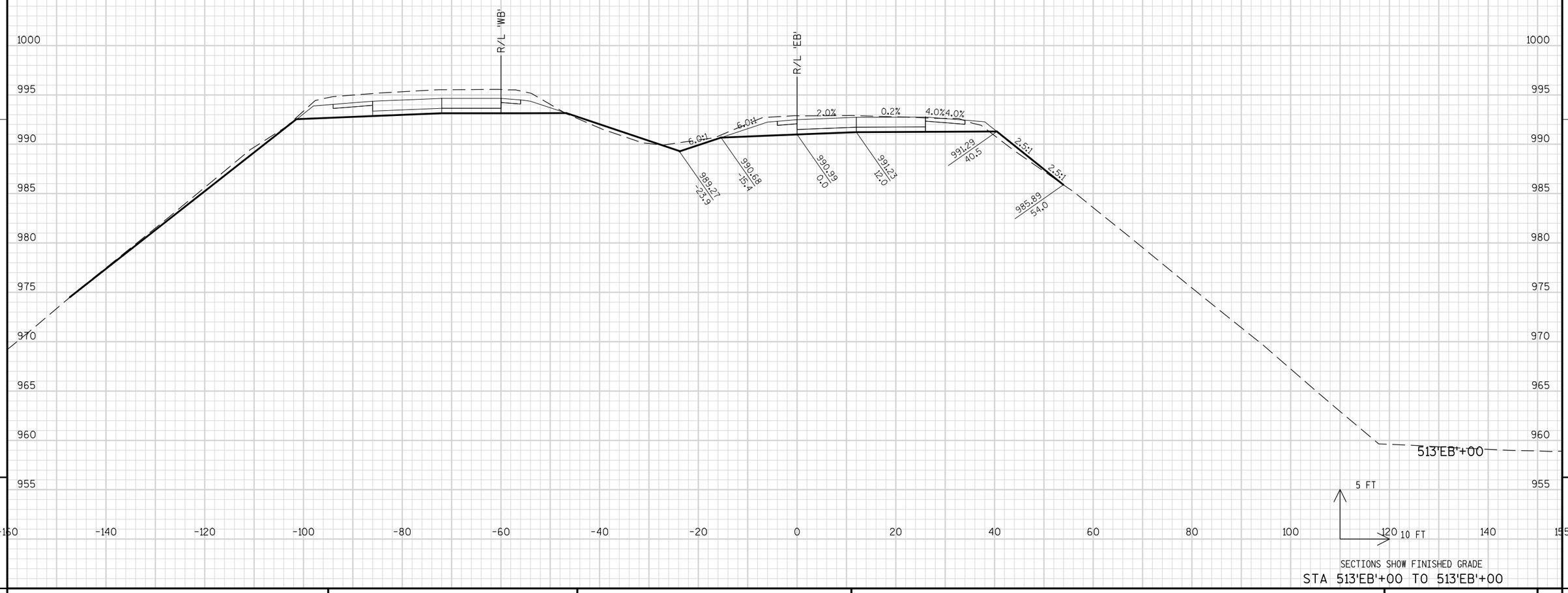
STA 512'EB'+00 TO 512'EB'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 EB	SHEET NO: 975	E

FILE NAME : CH_0803_090201_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

IH 94 EB WORK STAGE 2

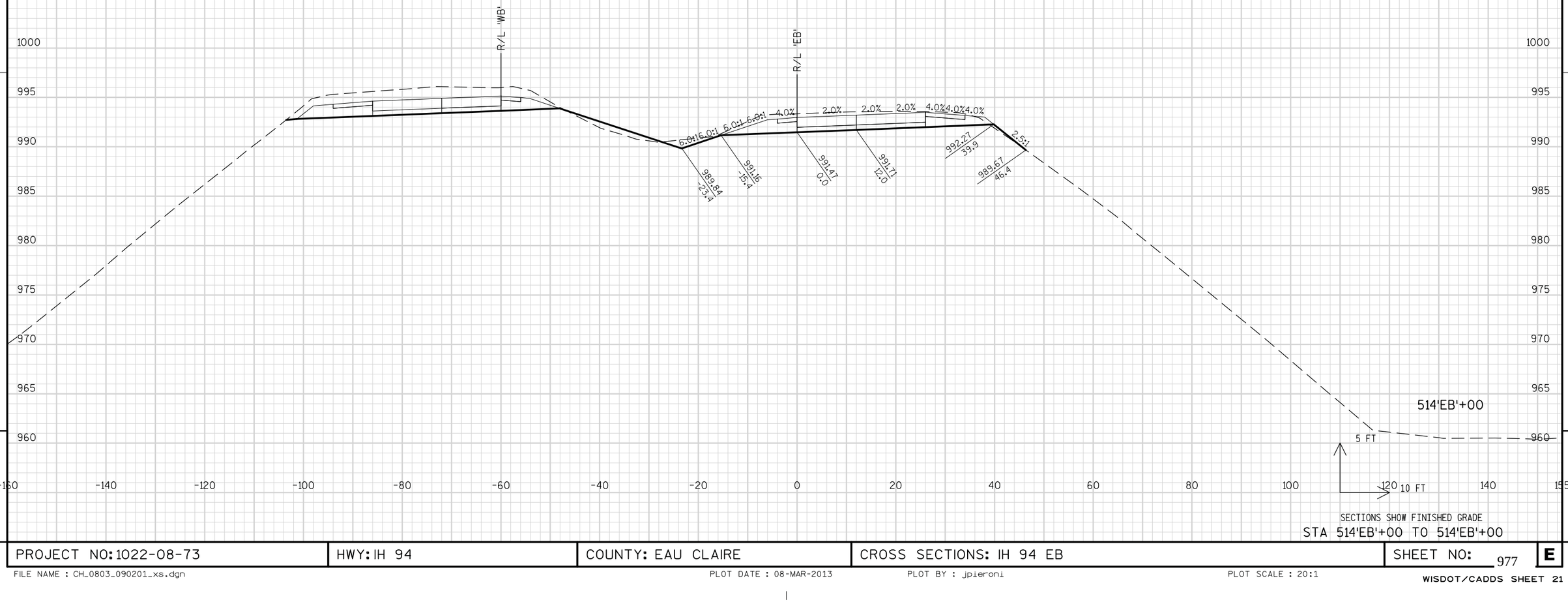


PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 EB	SHEET NO: 976	E

FILE NAME : CH_0803_090201_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

IH 94 EB WORK STAGE 2



SECTIONS SHOW FINISHED GRADE

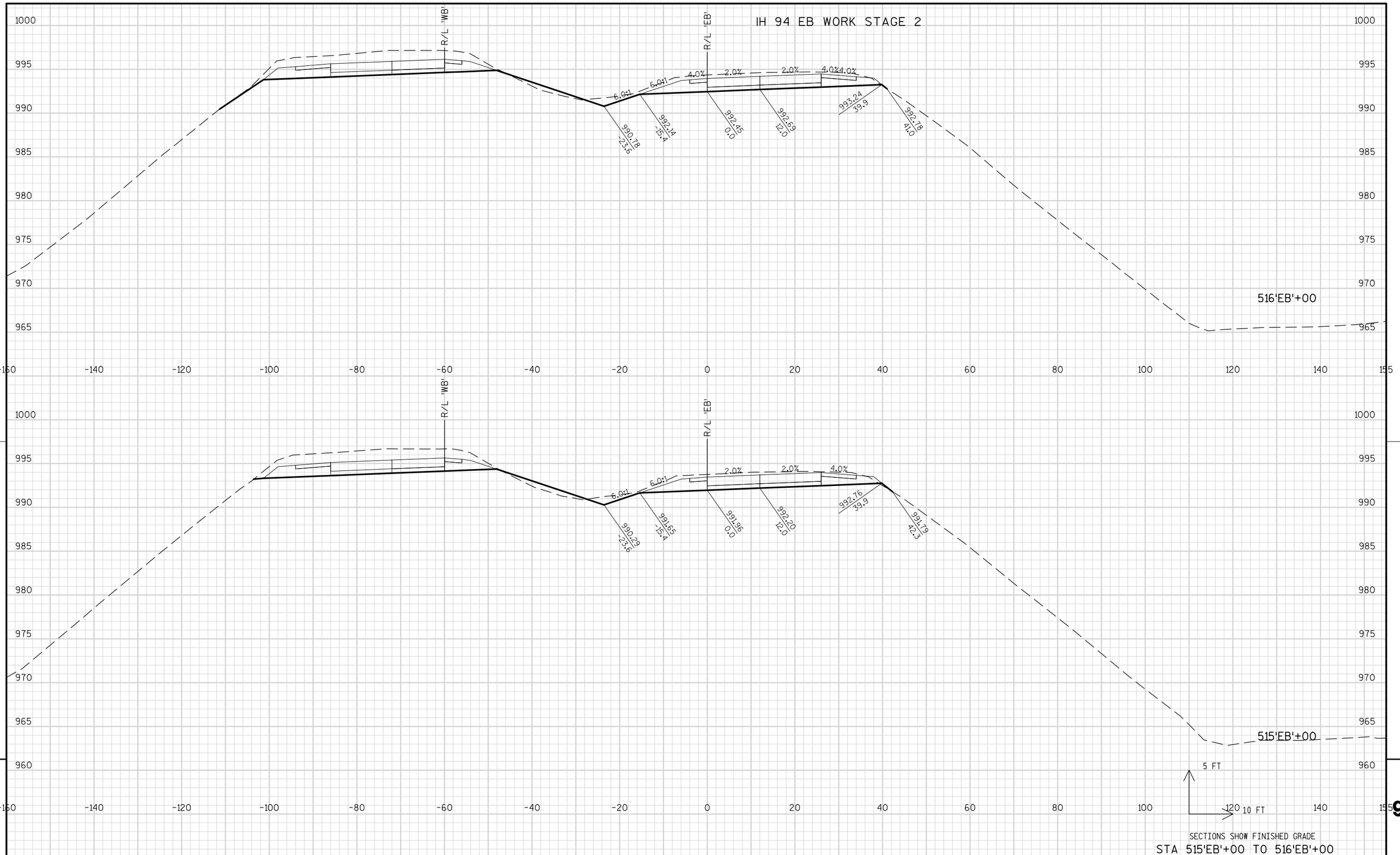
STA 514'EB'+00 TO 514'EB'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 EB	SHEET NO: 977	E

FILE NAME : CH_0803_090201_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

IH 94 EB WORK STAGE 2



SECTIONS SHOW FINISHED GRADE

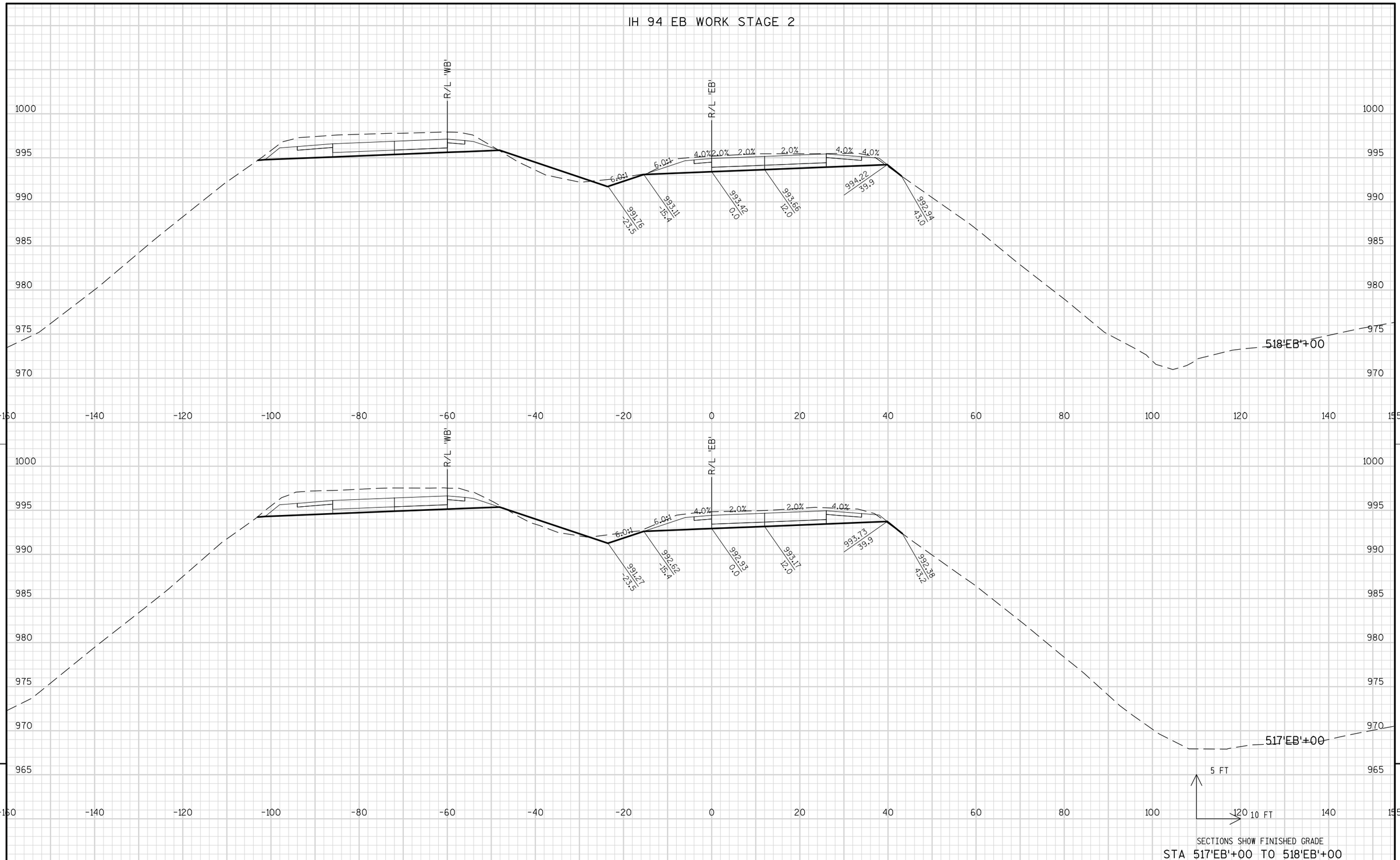
STA 515'EB'+00 TO 516'EB'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 EB	SHEET NO: 978	E

FILE NAME : CH_0803_090201_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

IH 94 EB WORK STAGE 2



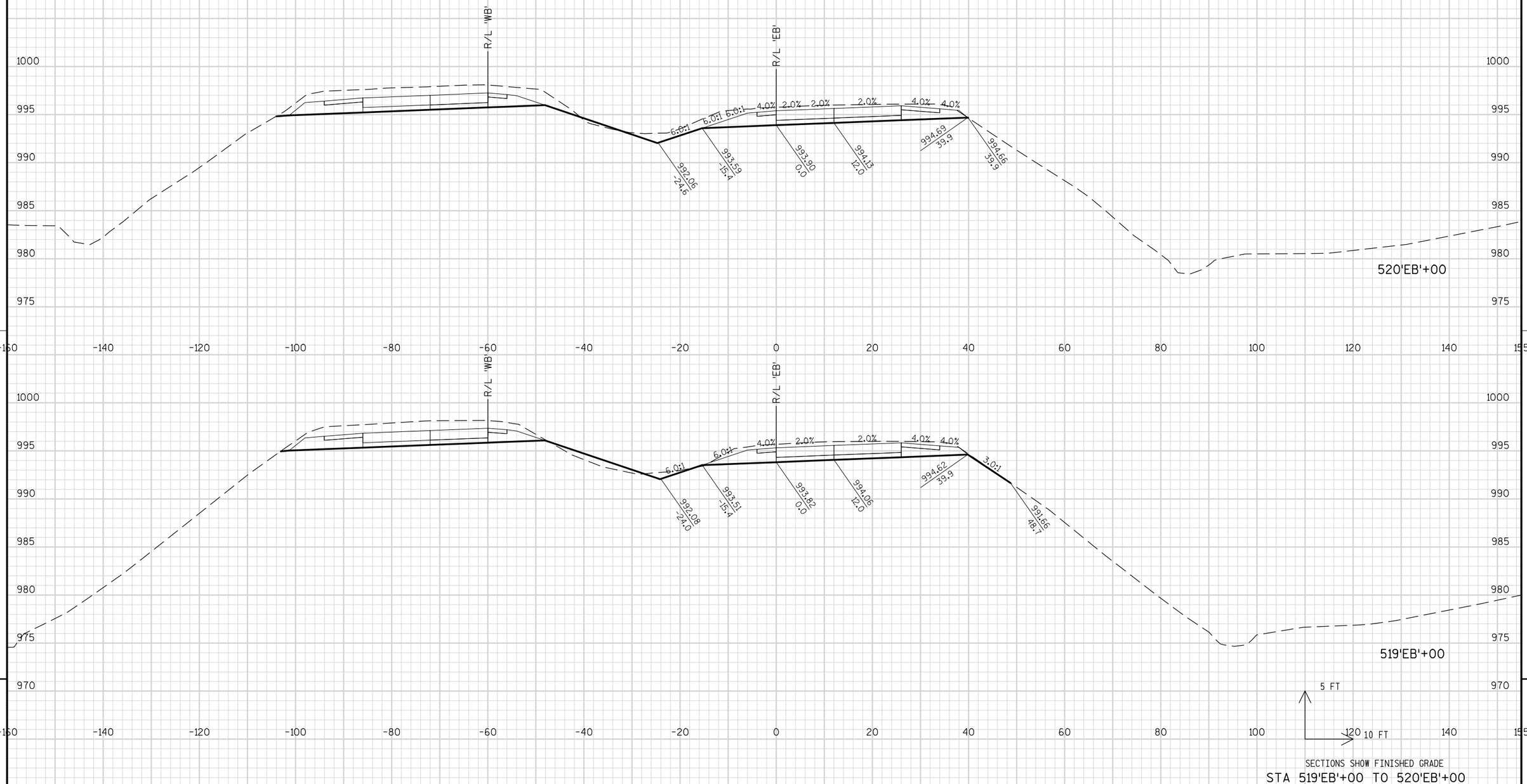
SECTIONS SHOW FINISHED GRADE

STA 517'EB'+00 TO 518'EB'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 EB	SHEET NO: 979	E

FILE NAME : CH_0803_090201_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

IH 94 EB WORK STAGE 2



SECTIONS SHOW FINISHED GRADE

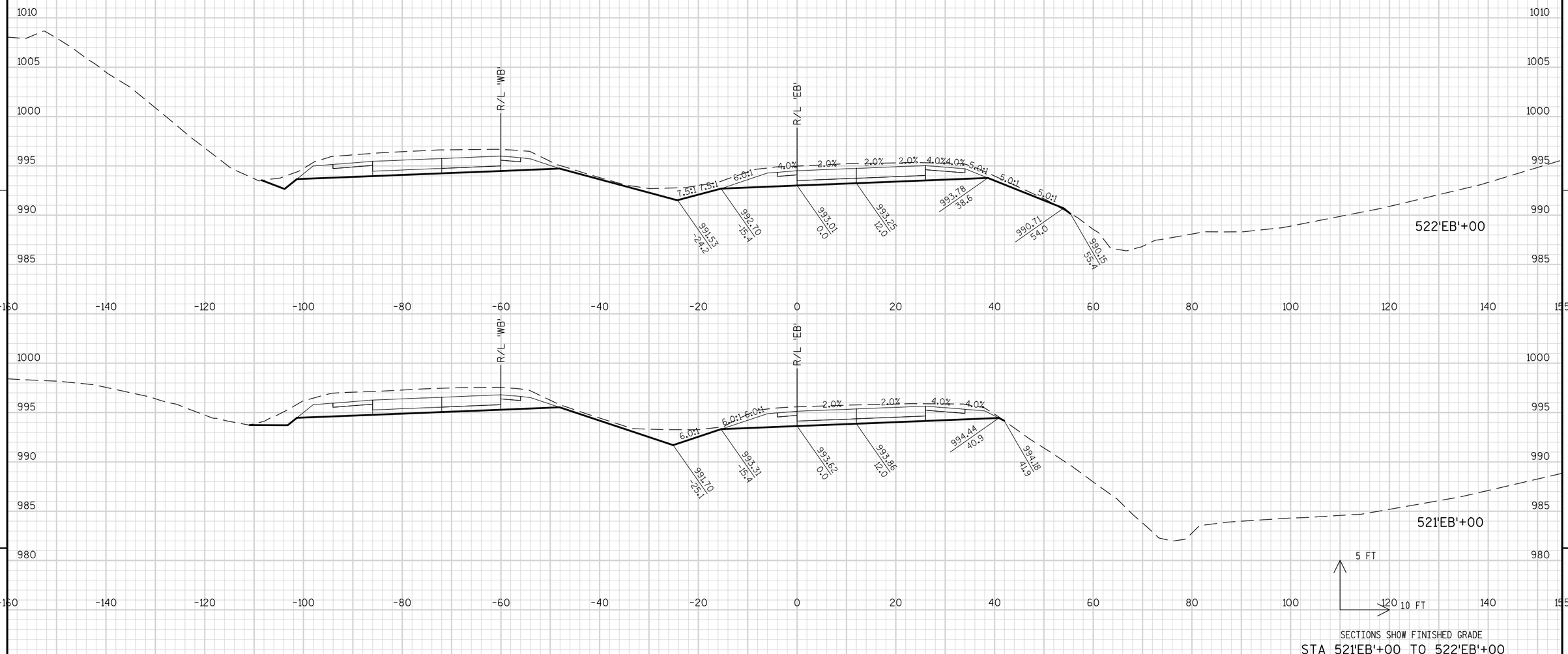
STA 519'EB'+00 TO 520'EB'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 EB	SHEET NO: 980	E

FILE NAME : CH_0803_090201_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

IH 94 EB WORK STAGE 2



SECTIONS SHOW FINISHED GRADE

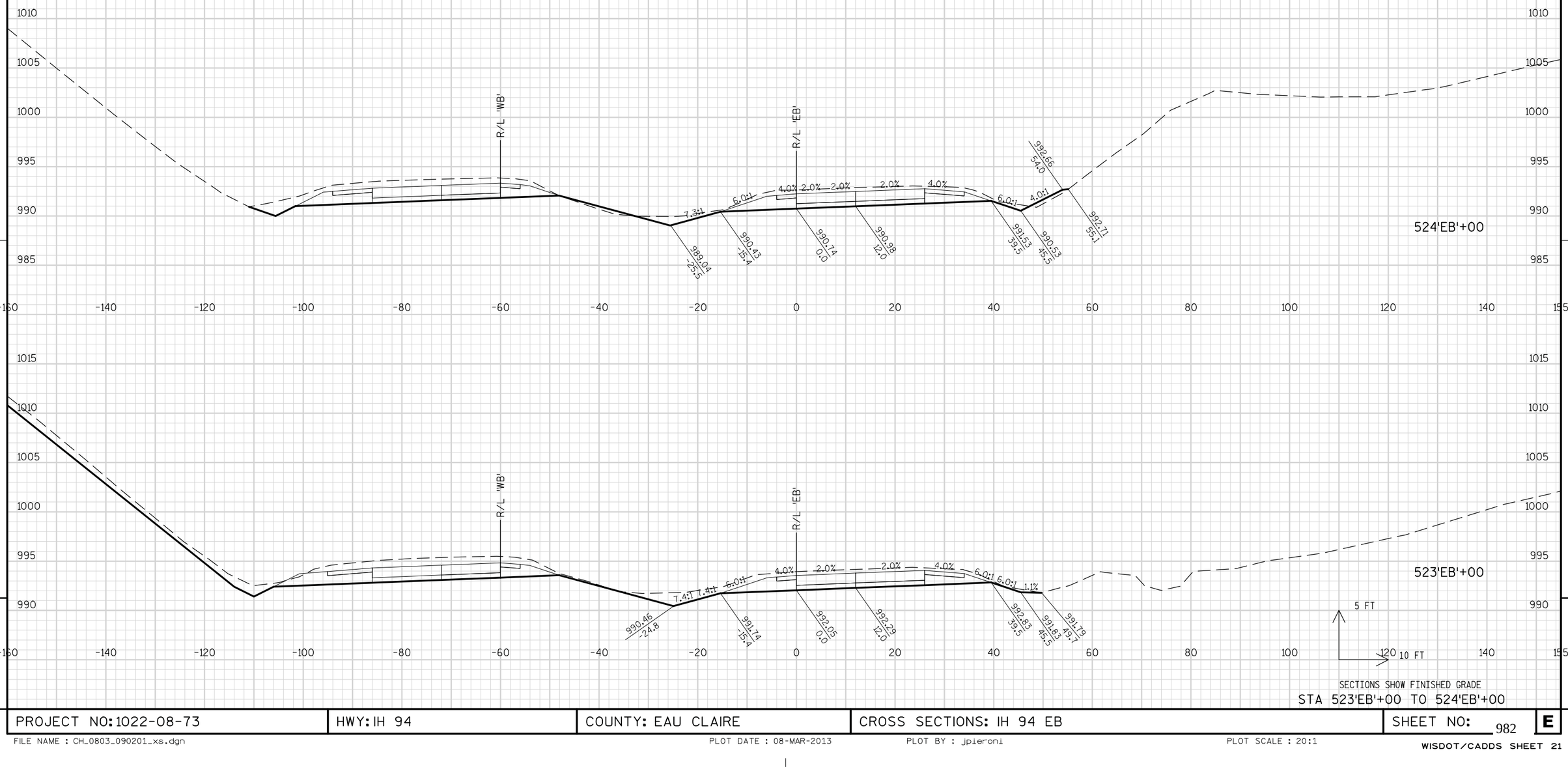
STA 521'EB'+00 TO 522'EB'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 EB	SHEET NO: 981	E

FILE NAME : CH_0803_090201_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

IH 94 EB WORK STAGE 2

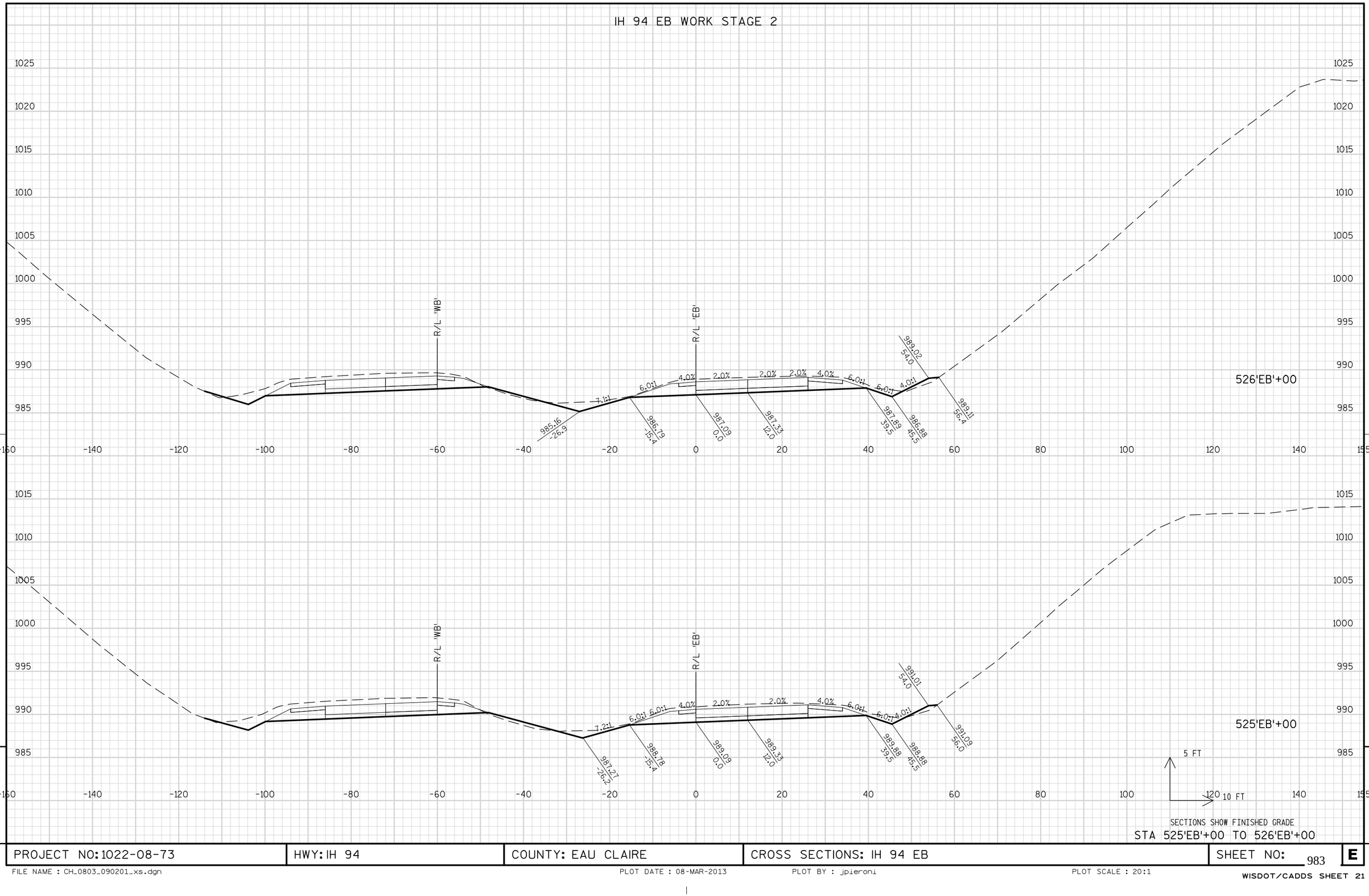


PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 EB	SHEET NO: 982	E

FILE NAME : CH_0803_090201_xs.dgn | PLOT DATE : 08-MAR-2013 | PLOT BY : jpieroni | PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

IH 94 EB WORK STAGE 2

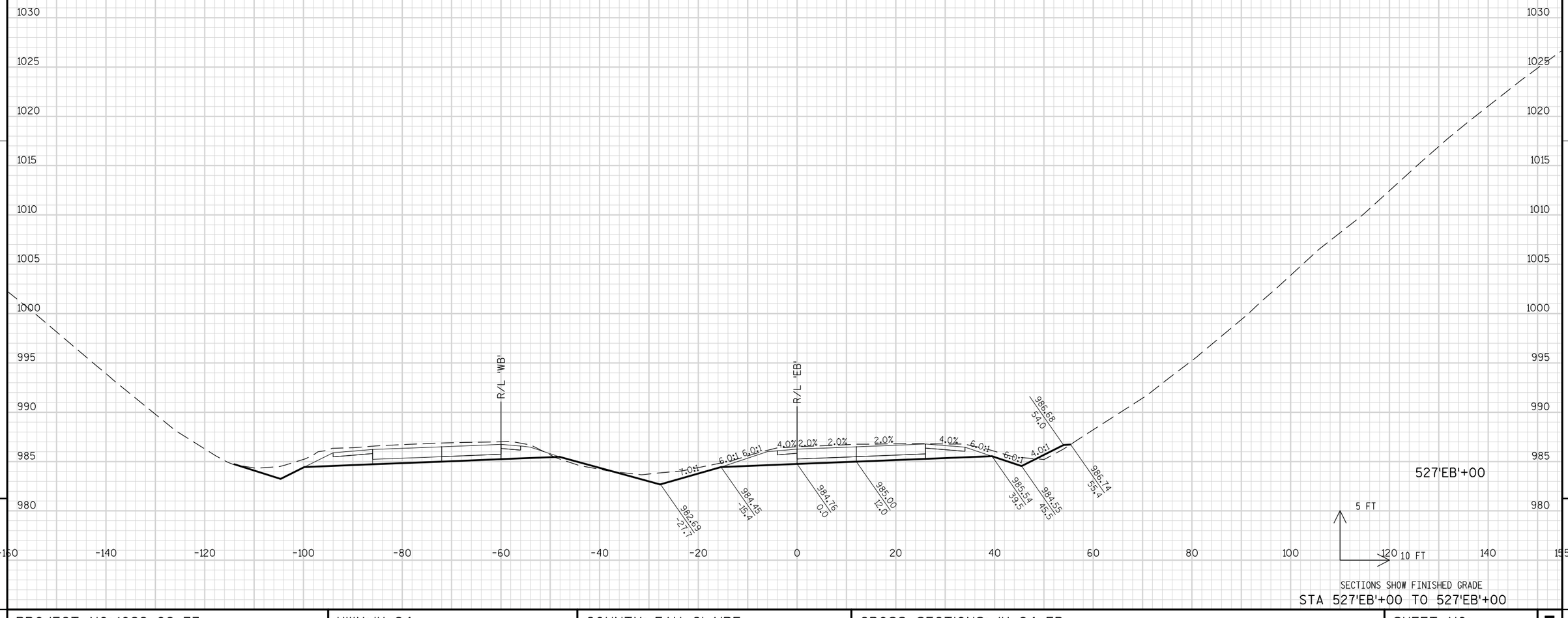


PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 EB	SHEET NO: 983	E

FILE NAME : CH_0803_090201_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

IH 94 EB WORK STAGE 2



SECTIONS SHOW FINISHED GRADE

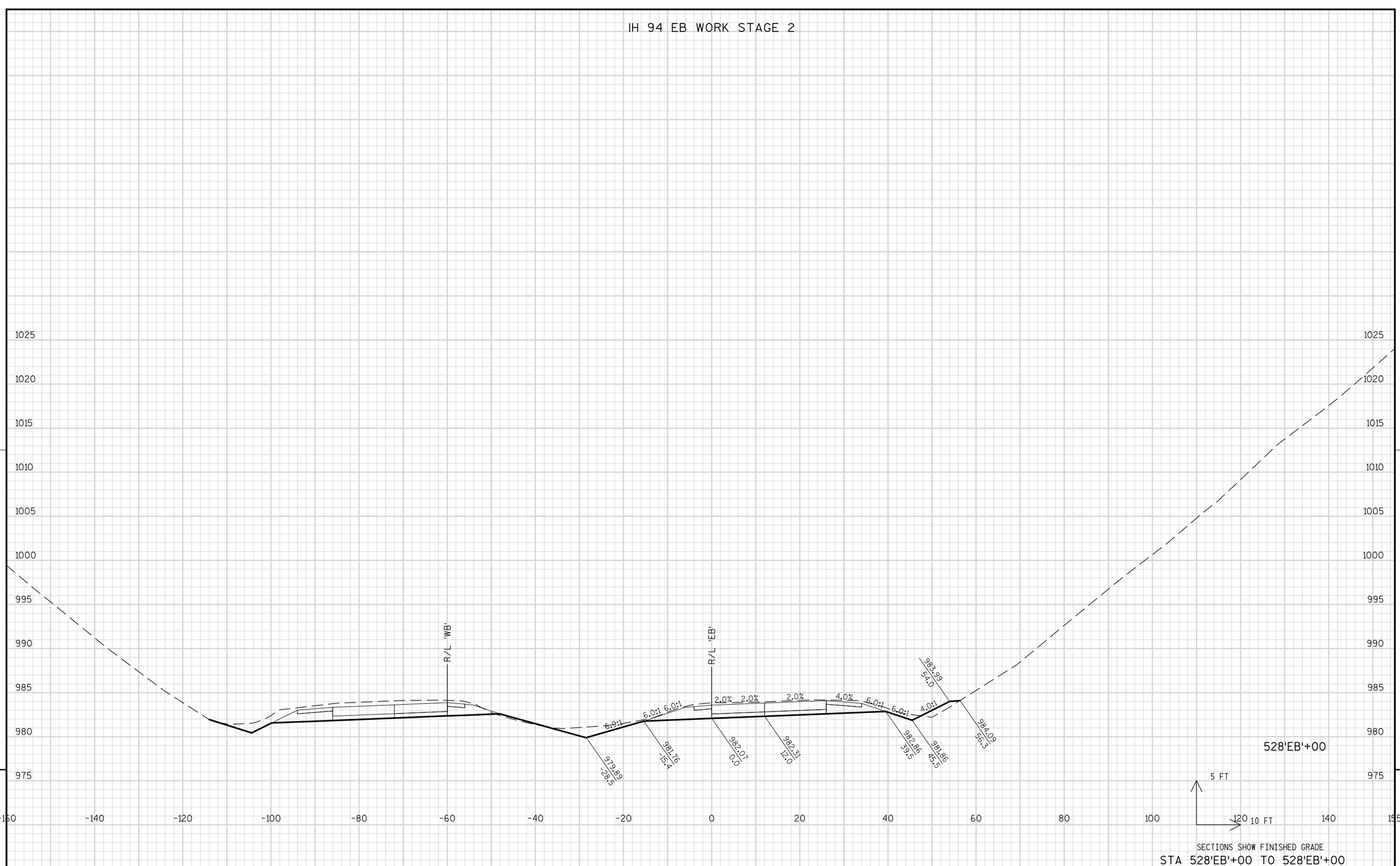
STA 527'EB'+00 TO 527'EB'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 EB	SHEET NO: 984	E

FILE NAME : CH_0803_090201_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

IH 94 EB WORK STAGE 2



SECTIONS SHOW FINISHED GRADE

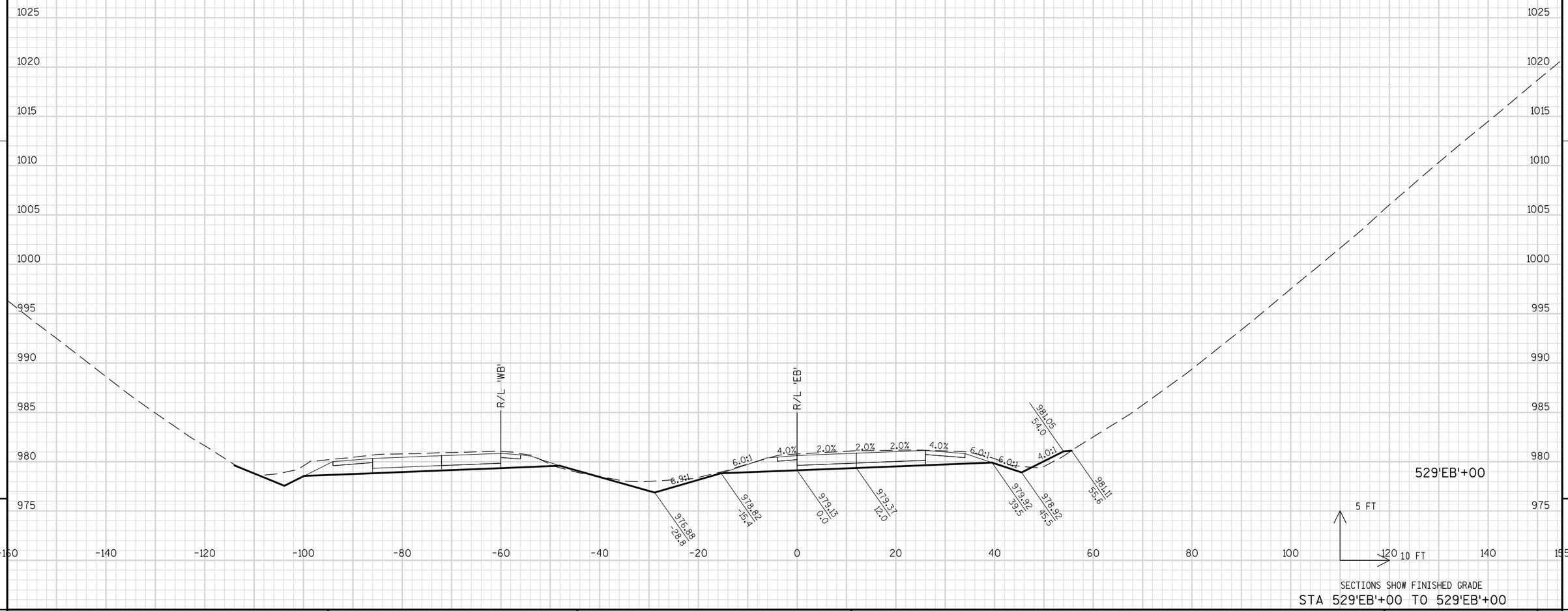
STA 528'EB'+00 TO 528'EB'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 EB	SHEET NO: 985	E

FILE NAME : CH_0803_090201_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

IH 94 EB WORK STAGE 2

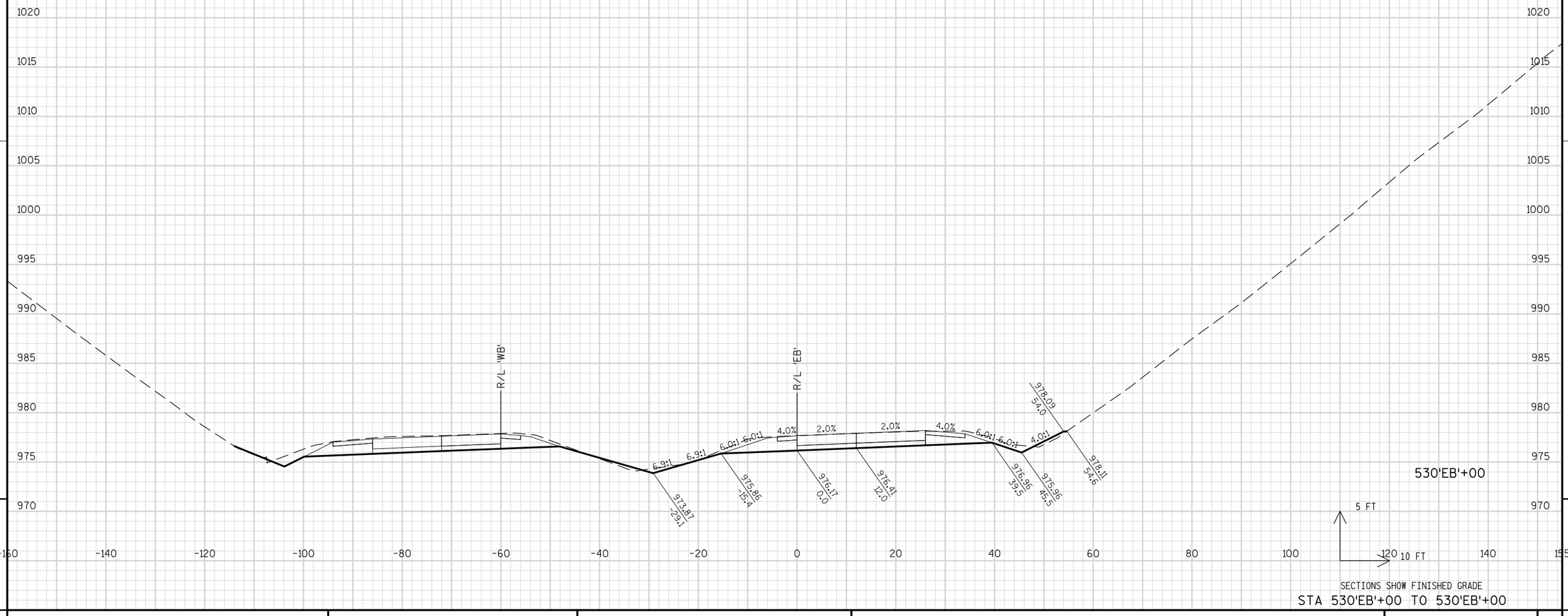


PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 EB	SHEET NO: 986 E

FILE NAME : CH_0803_090201_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

IH 94 EB WORK STAGE 2



SECTIONS SHOW FINISHED GRADE

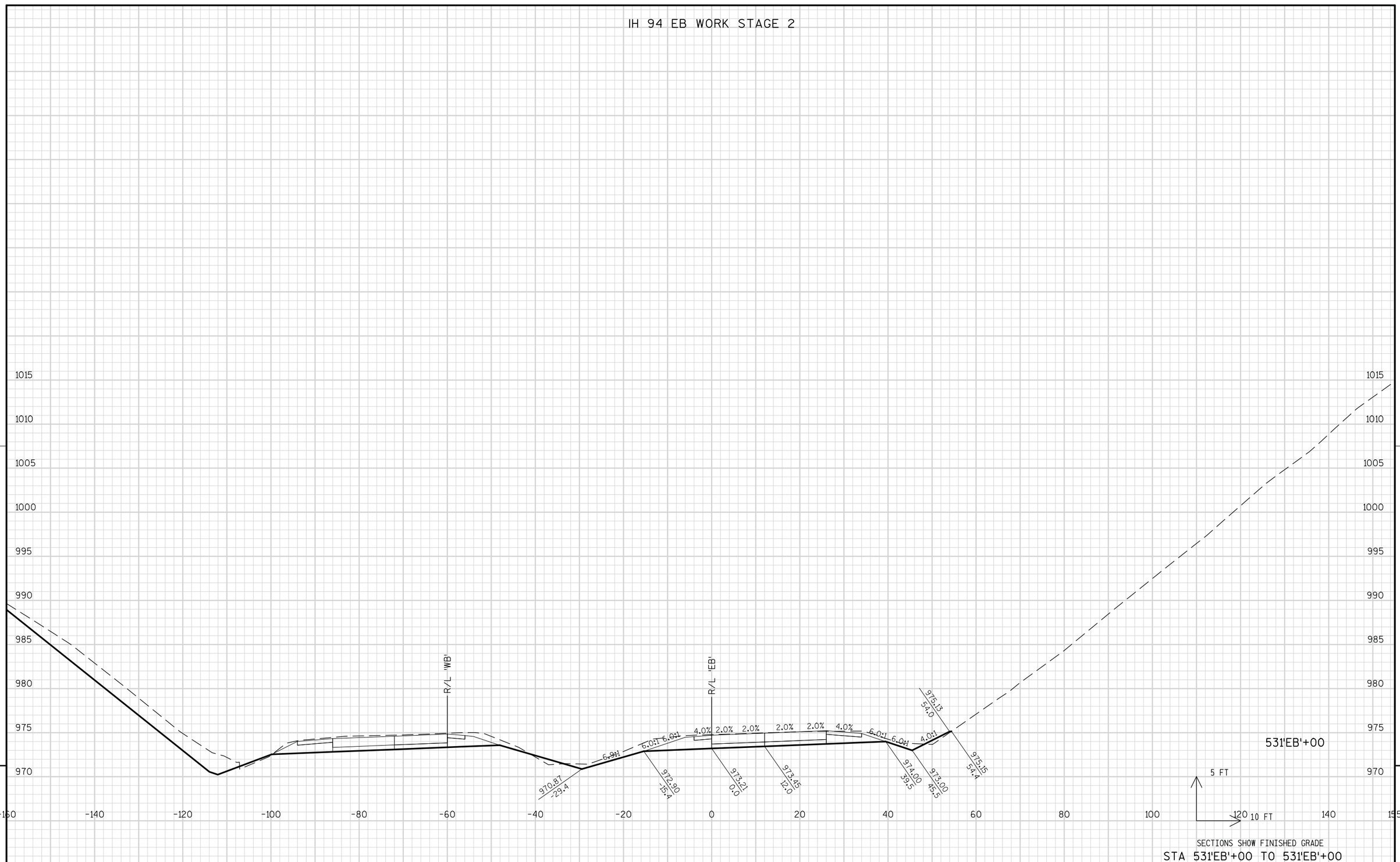
STA 530'EB'+00 TO 530'EB'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 EB	SHEET NO: 987	E

FILE NAME : CH_0803_090201_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

IH 94 EB WORK STAGE 2

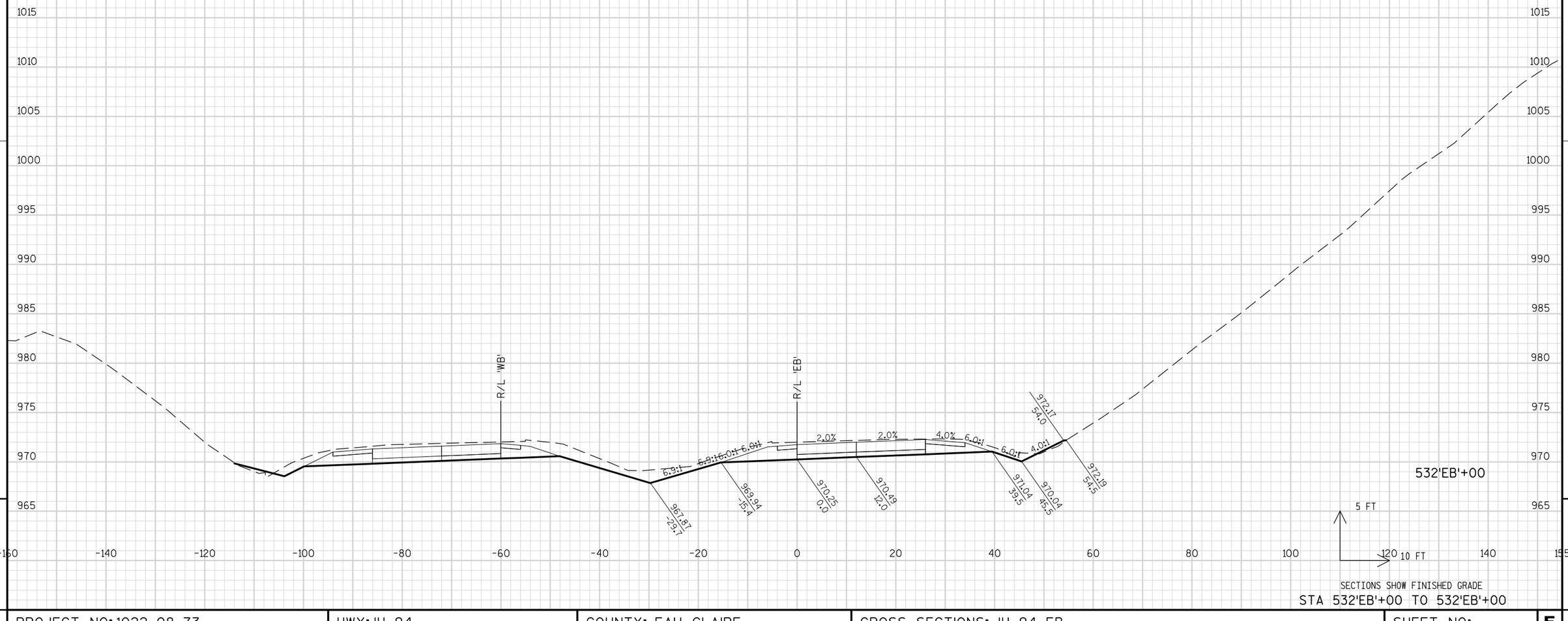


PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 EB	SHEET NO: 988	E

FILE NAME : CH_0803_090201_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

IH 94 EB WORK STAGE 2

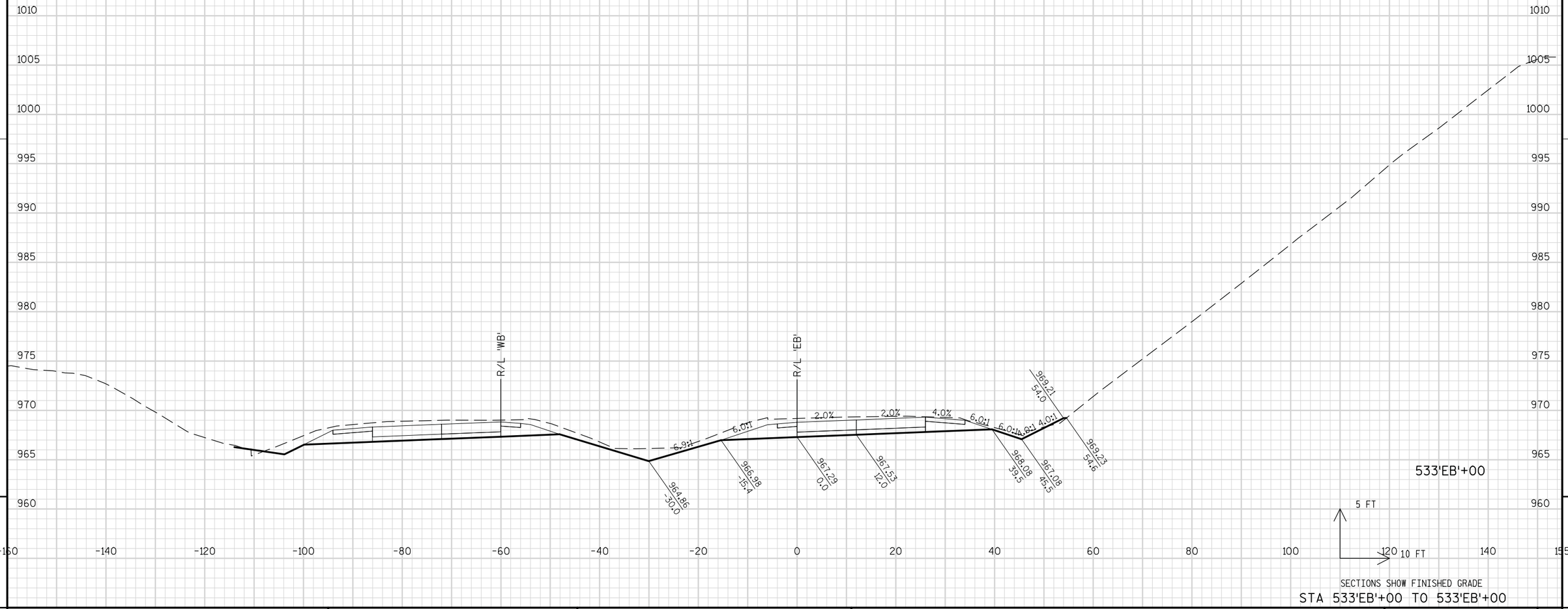


PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 EB	SHEET NO: 989	E

FILE NAME : CH_0803_090201_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

IH 94 EB WORK STAGE 2

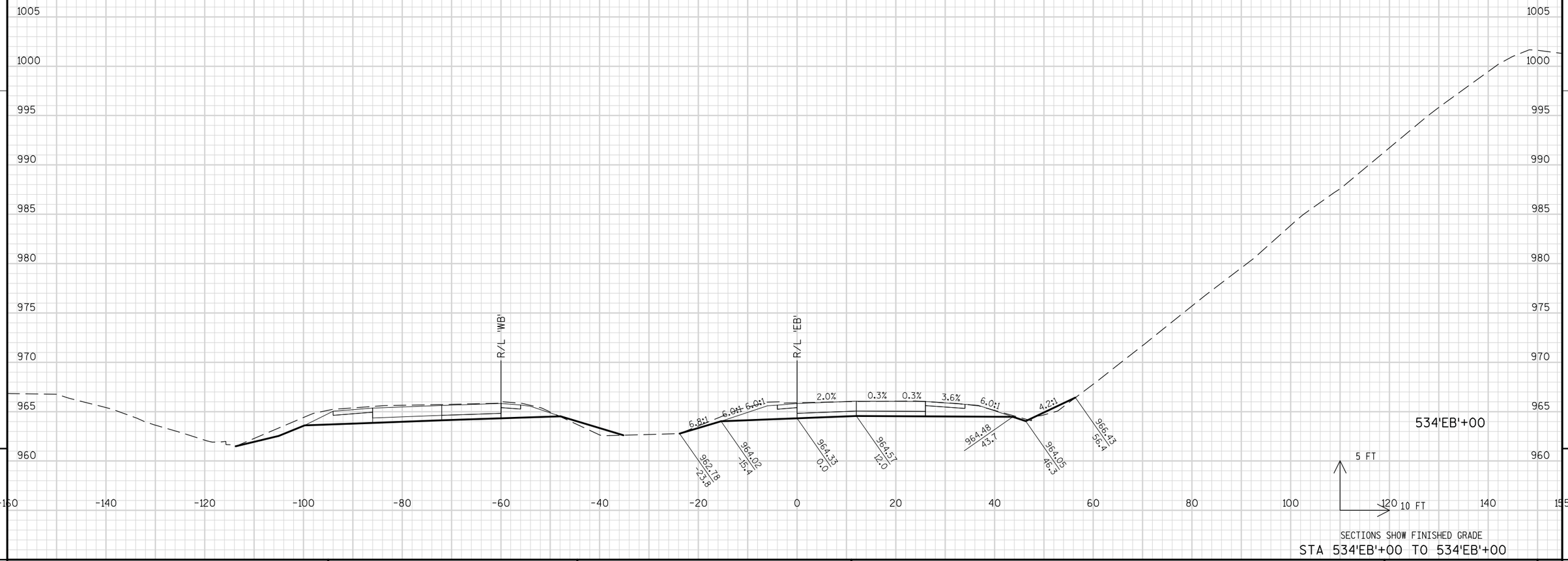


PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 EB	SHEET NO: 990 E

FILE NAME : CH_0803_090201_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

IH 94 EB WORK STAGE 2



SECTIONS SHOW FINISHED GRADE

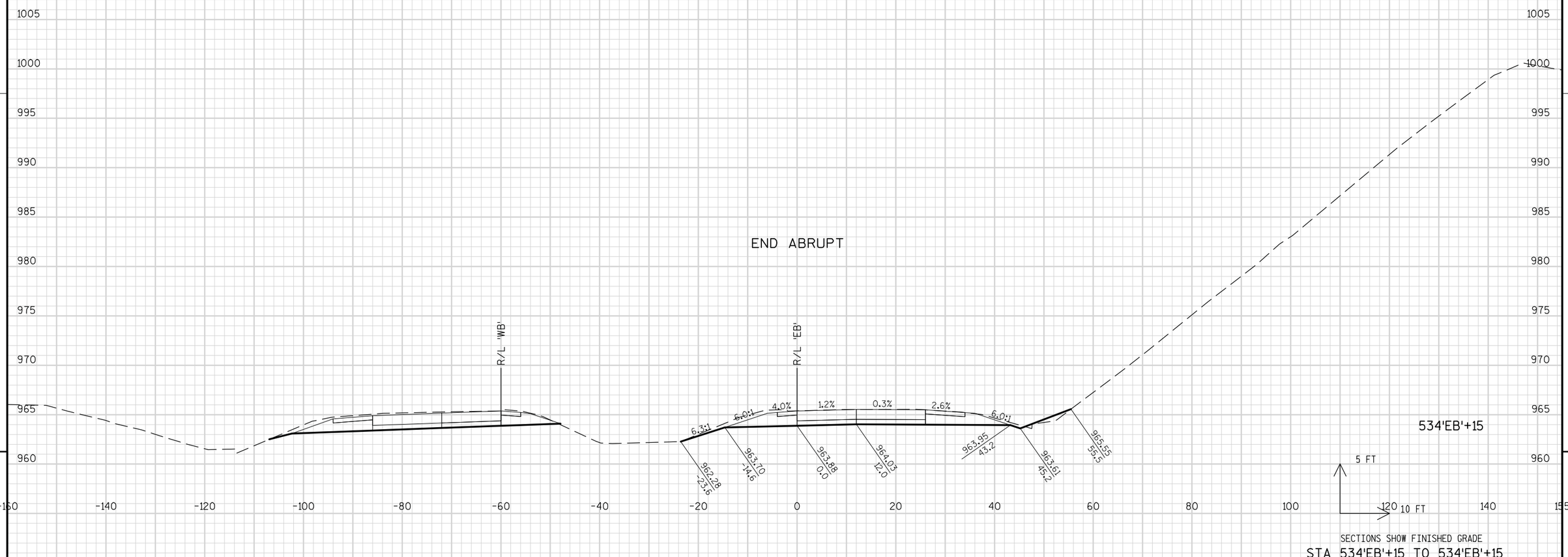
STA 534'EB'+00 TO 534'EB'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 EB	SHEET NO: 991	E

FILE NAME : CH_0803_090201_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

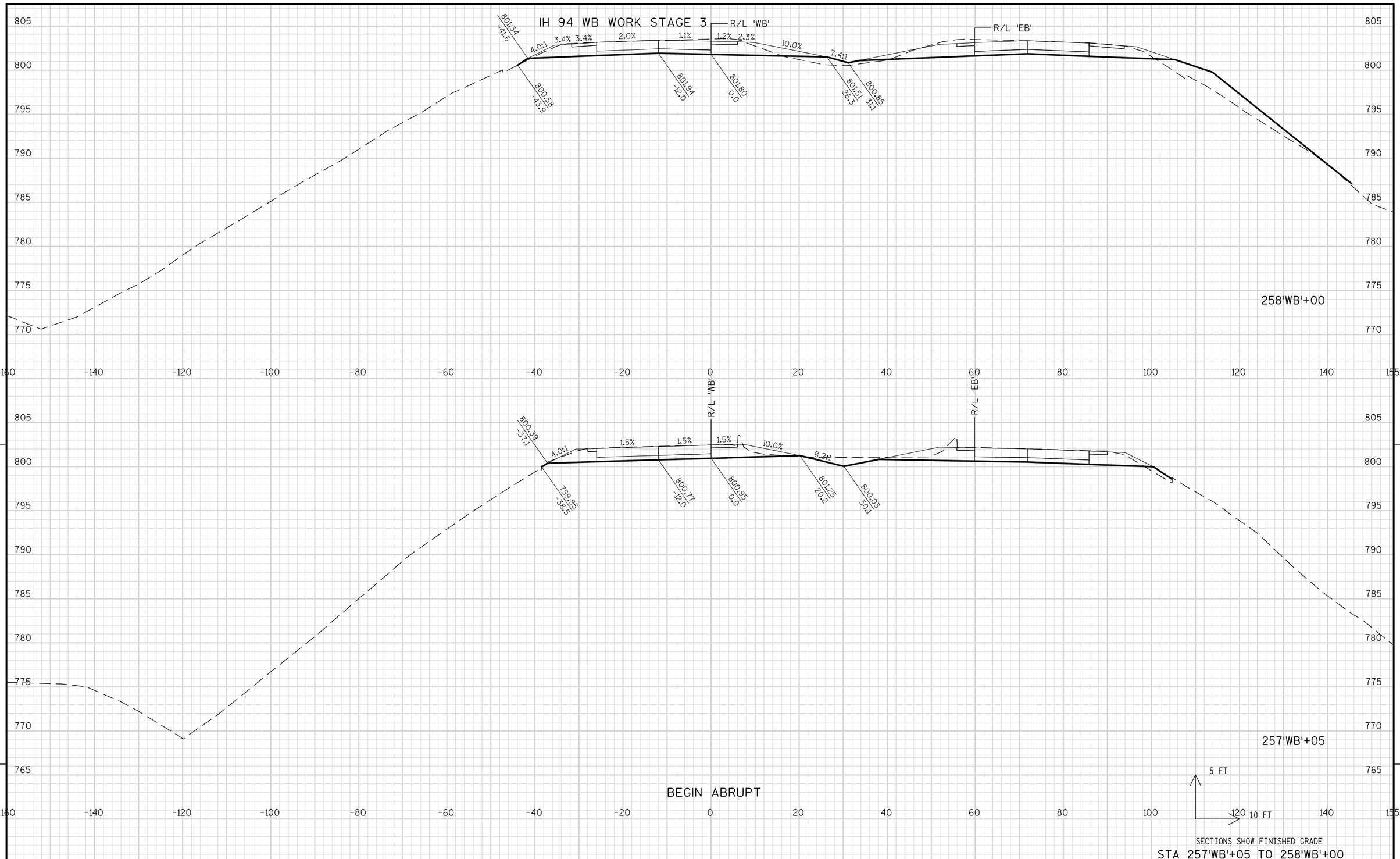
IH 94 EB WORK STAGE 2



PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 EB	SHEET NO: 992 E

FILE NAME : CH_0803_090201_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

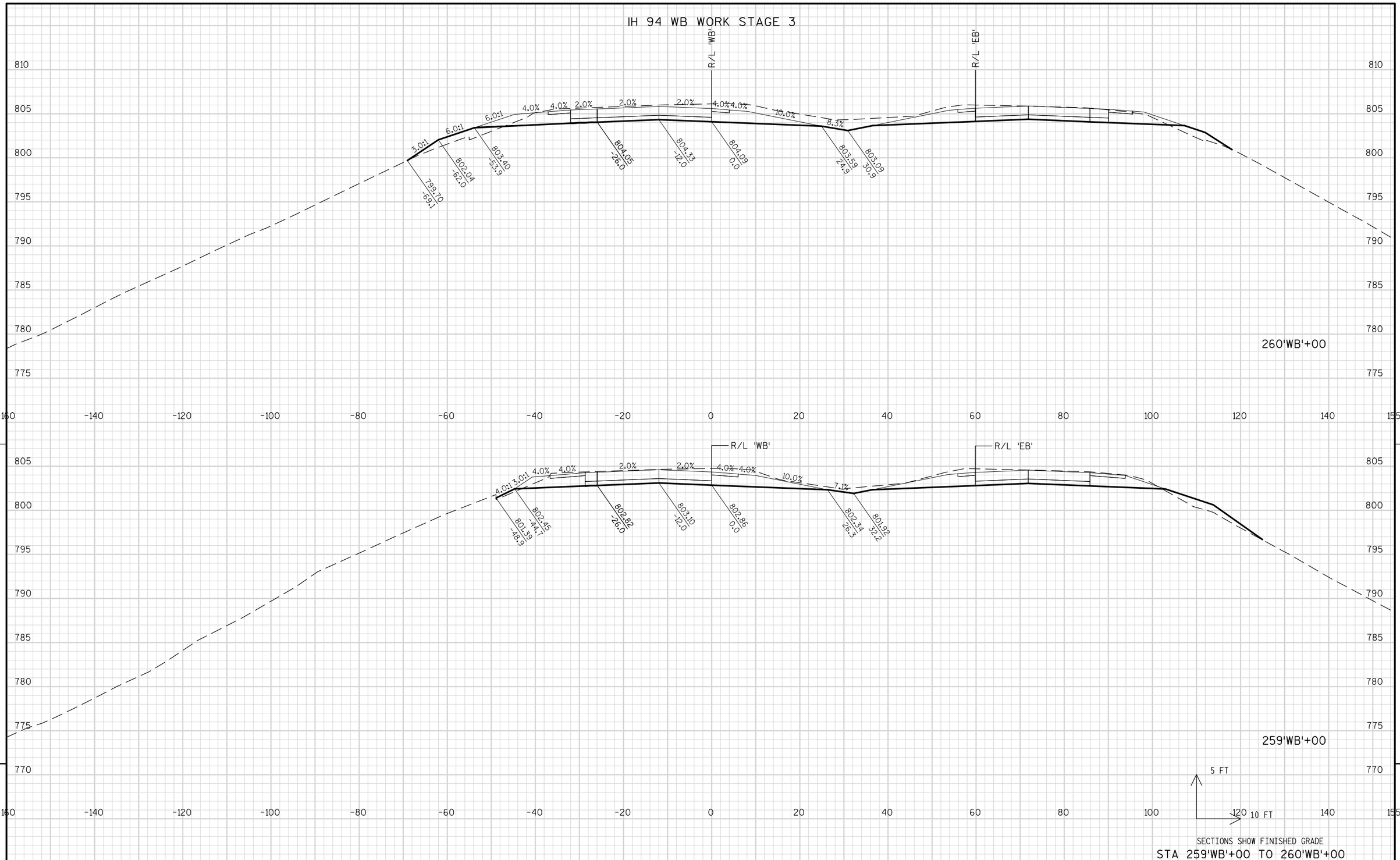


PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 WB	SHEET NO: 993	E

FILE NAME : CH_0803_090202_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

IH 94 WB WORK STAGE 3

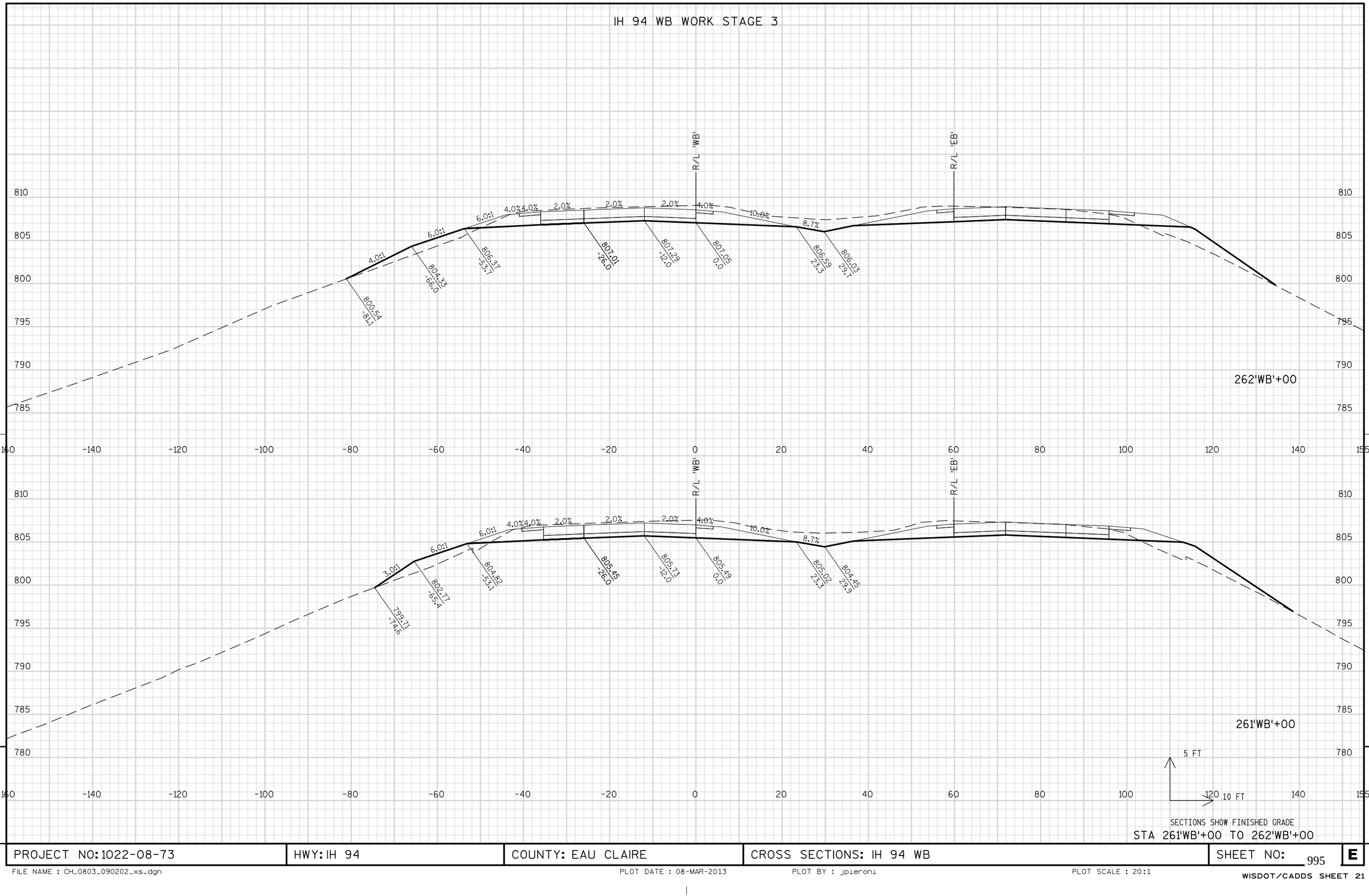


PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 WB	SHEET NO: 994	E

FILE NAME : CH_0803_090202_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

IH 94 WB WORK STAGE 3

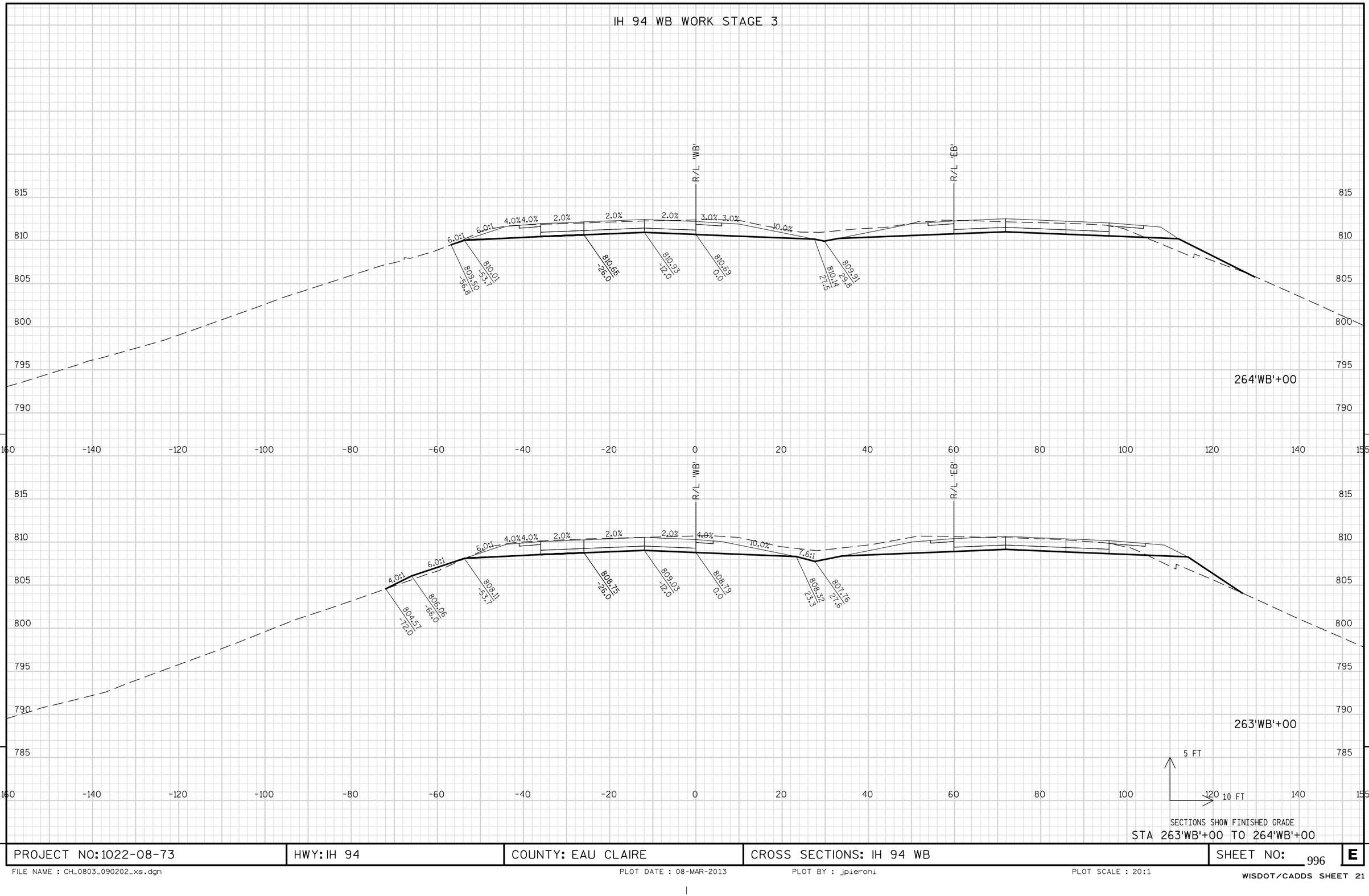


PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 WB	SHEET NO: 995	E

FILE NAME : CH_0803_090202_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

IH 94 WB WORK STAGE 3



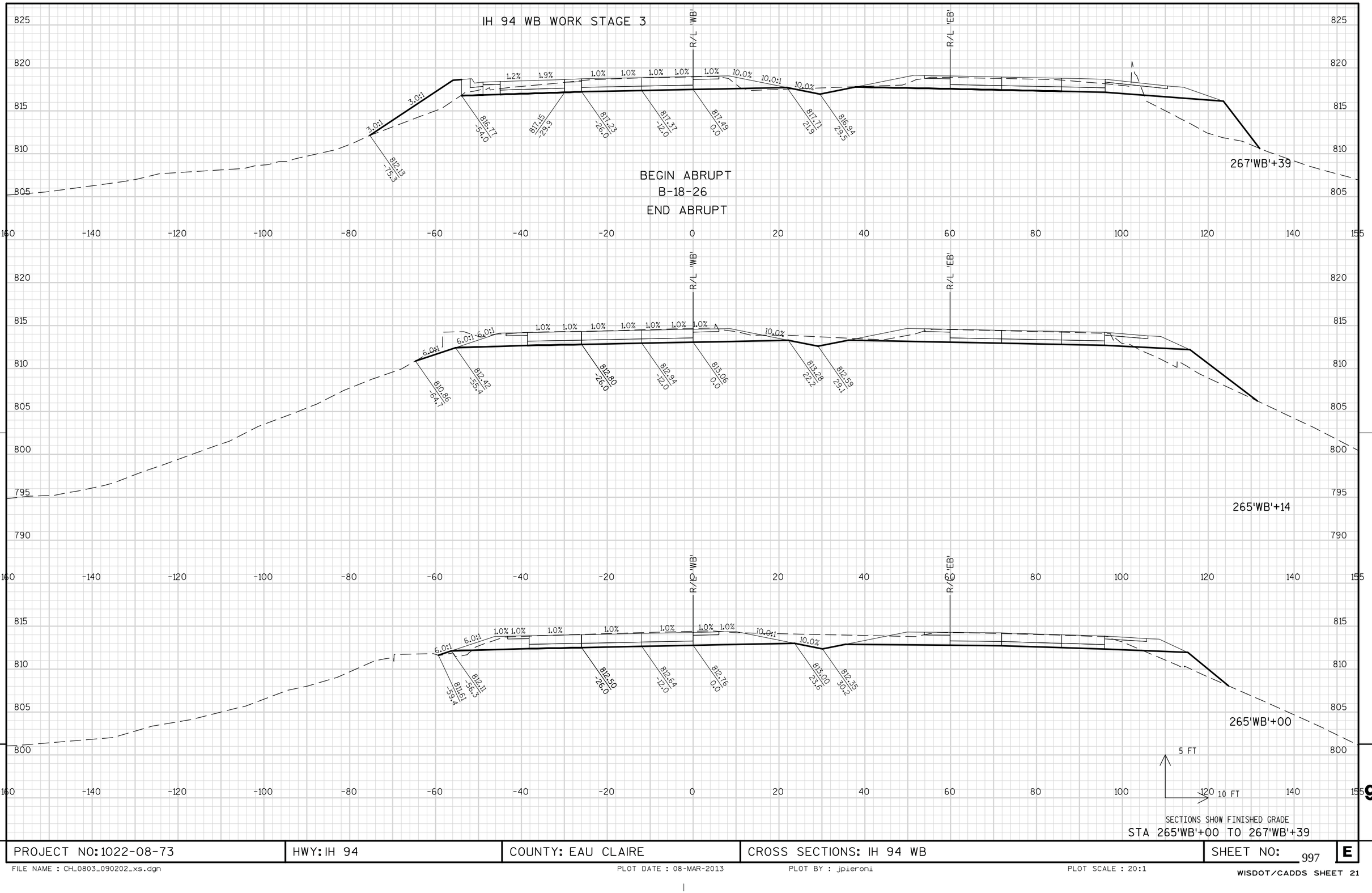
SECTIONS SHOW FINISHED GRADE

STA 263'WB'+00 TO 264'WB'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 WB	SHEET NO: 996	E

FILE NAME : CH_0803_090202_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

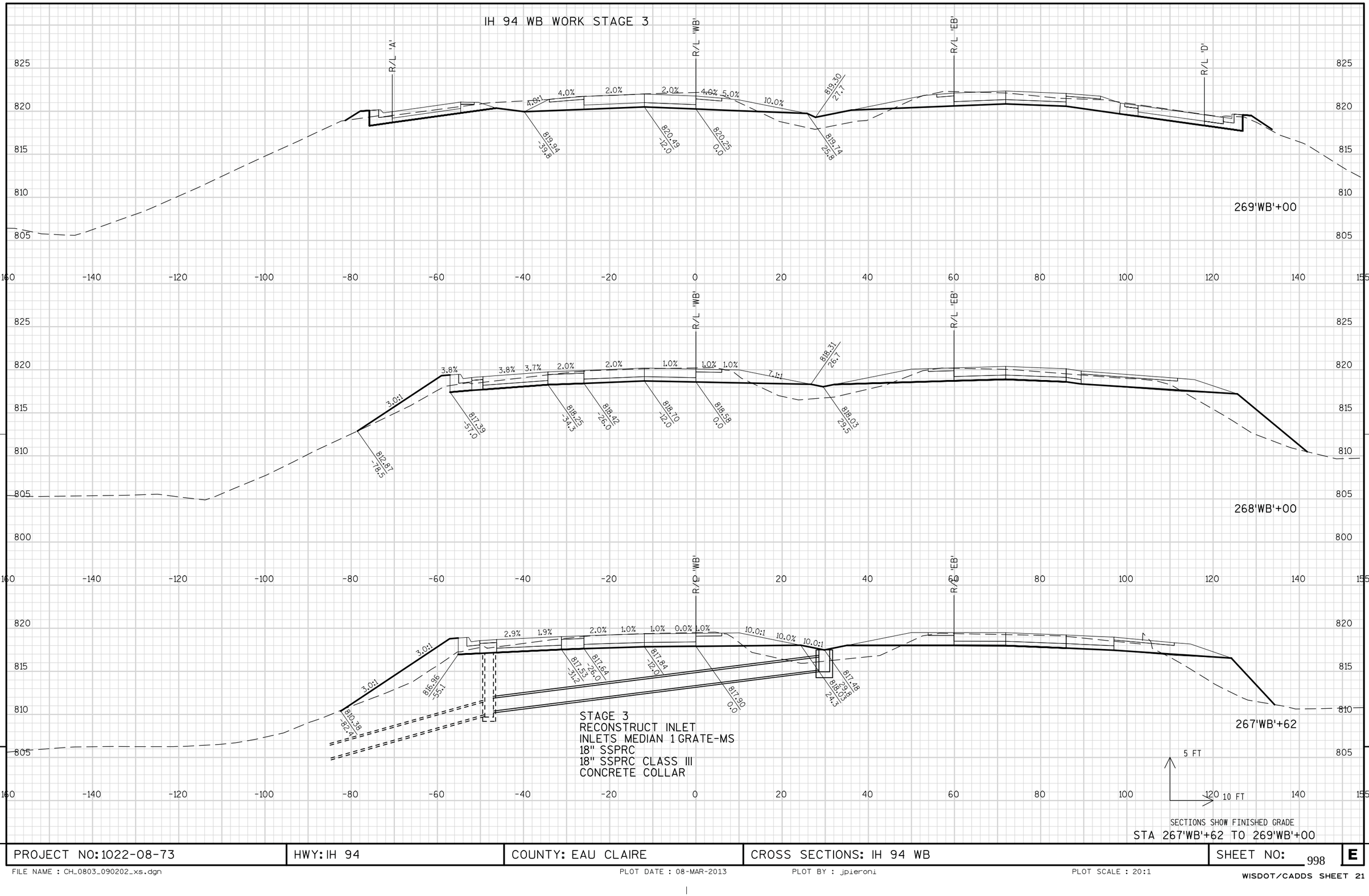


PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 WB	SHEET NO: 997	E

FILE NAME : CH_0803_090202_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

IH 94 WB WORK STAGE 3

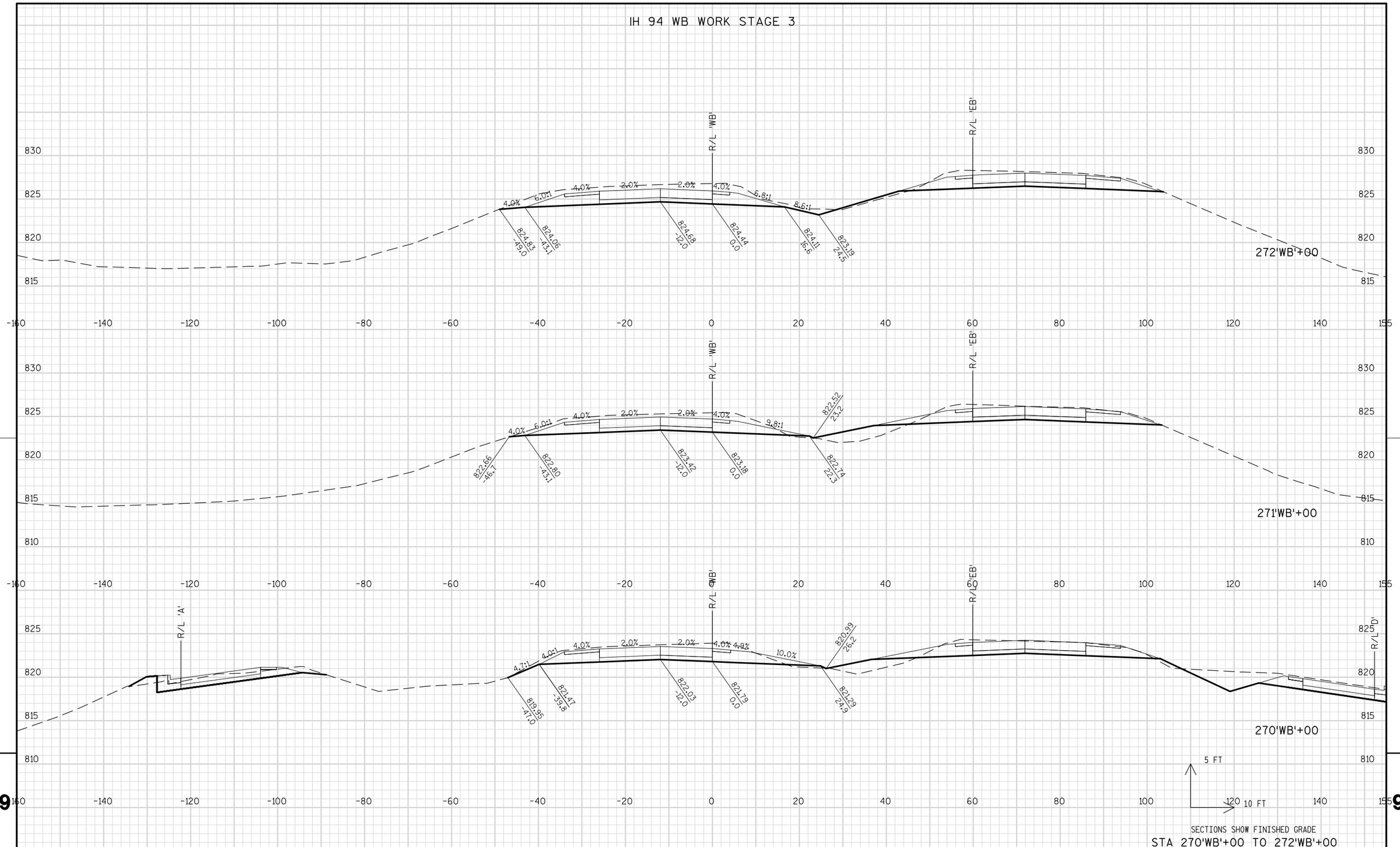


PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 WB	SHEET NO: 998	E

FILE NAME : CH_0803_090202_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

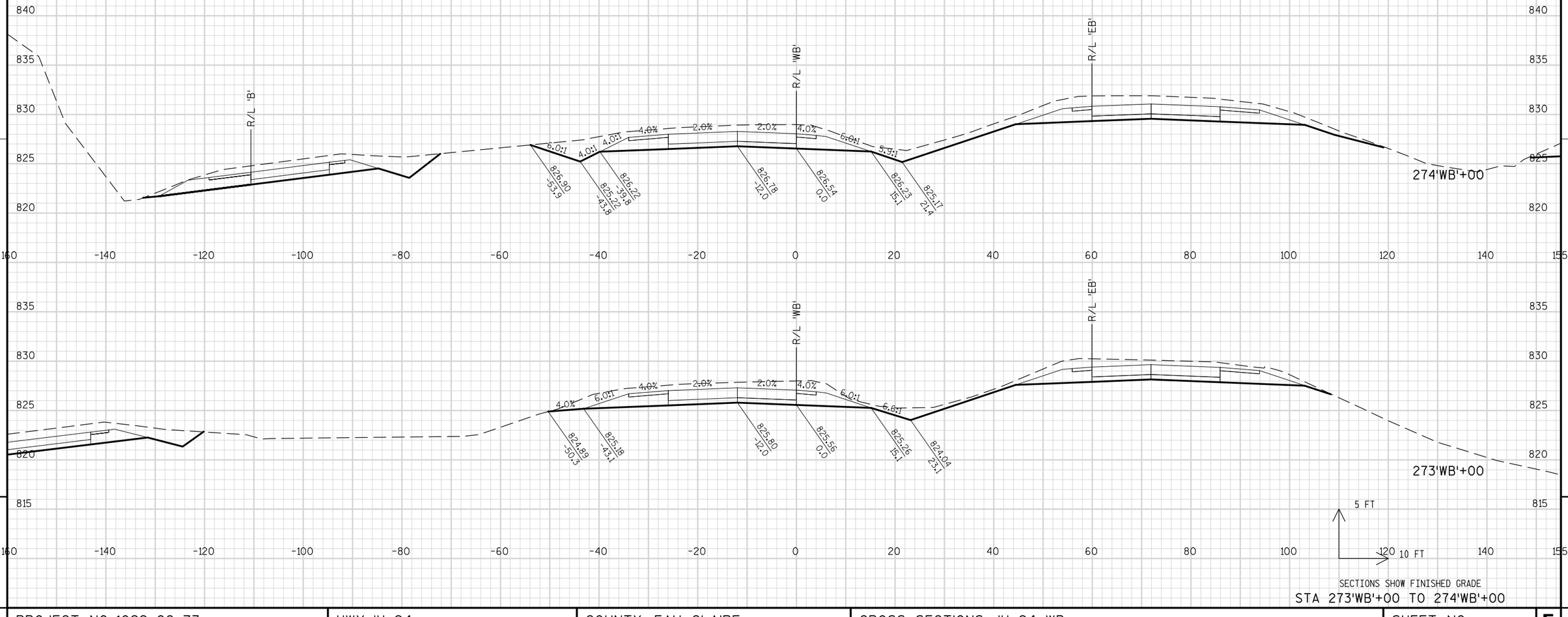
IH 94 WB WORK STAGE 3



PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 WB	SHEET NO: 999	E

FILE NAME : CH_0803_090202_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

IH 94 WB WORK STAGE 3



SECTIONS SHOW FINISHED GRADE

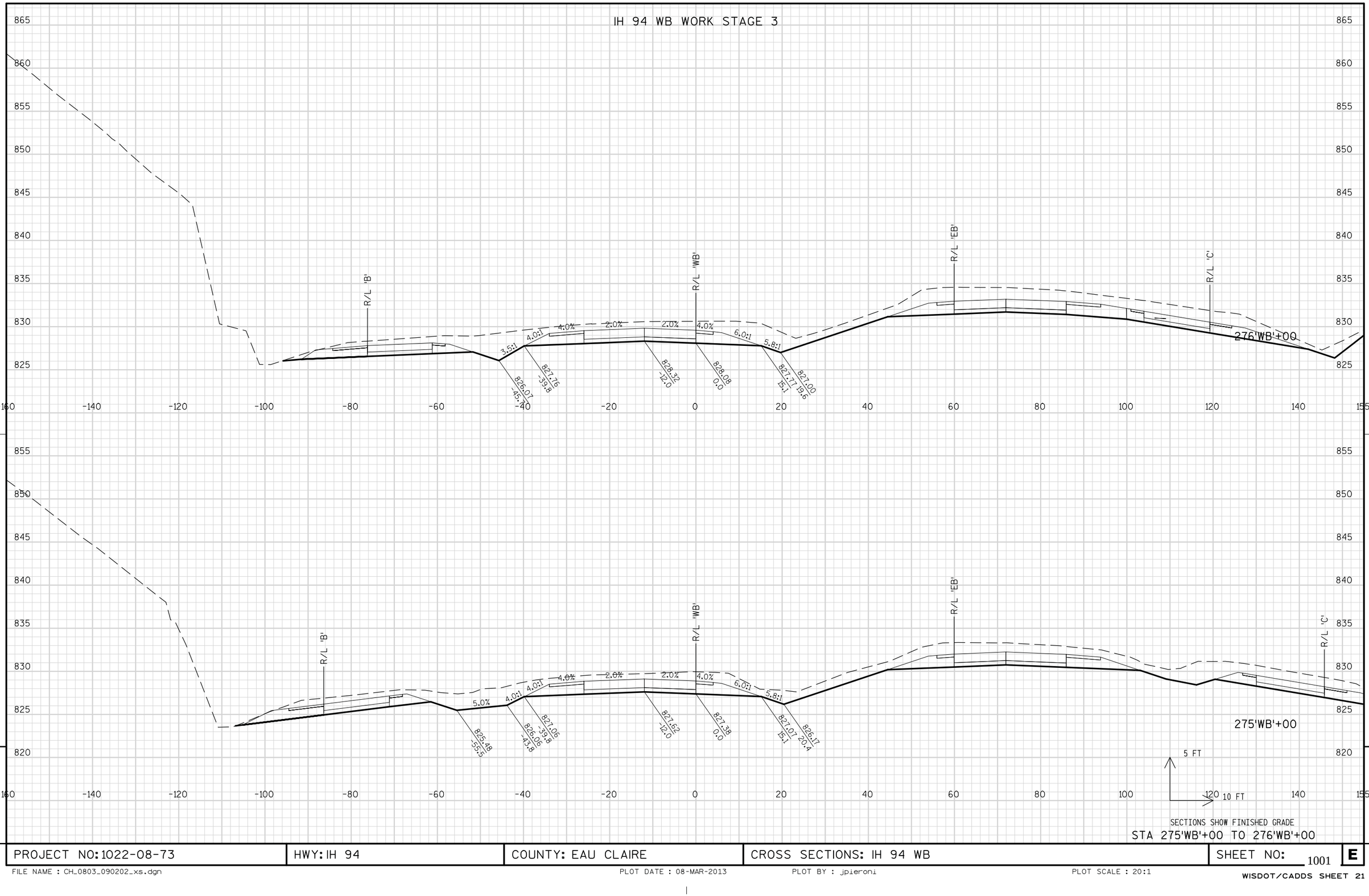
STA 273'WB'+00 TO 274'WB'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 WB	SHEET NO: 1000	E

FILE NAME : CH_0803_090202_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

IH 94 WB WORK STAGE 3

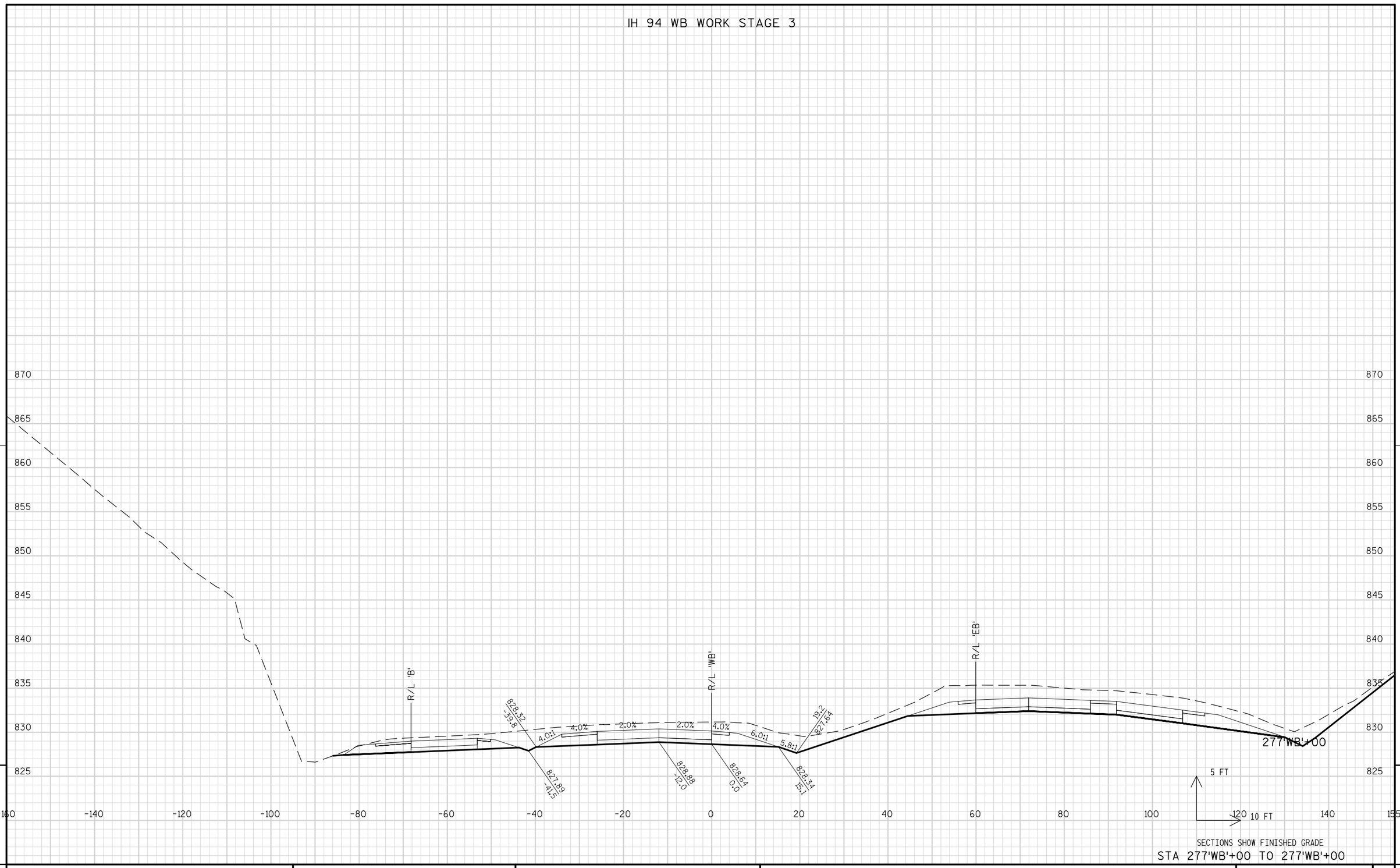


PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 WB	SHEET NO: 1001 E

FILE NAME : CH_0803_090202_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

IH 94 WB WORK STAGE 3



SECTIONS SHOW FINISHED GRADE

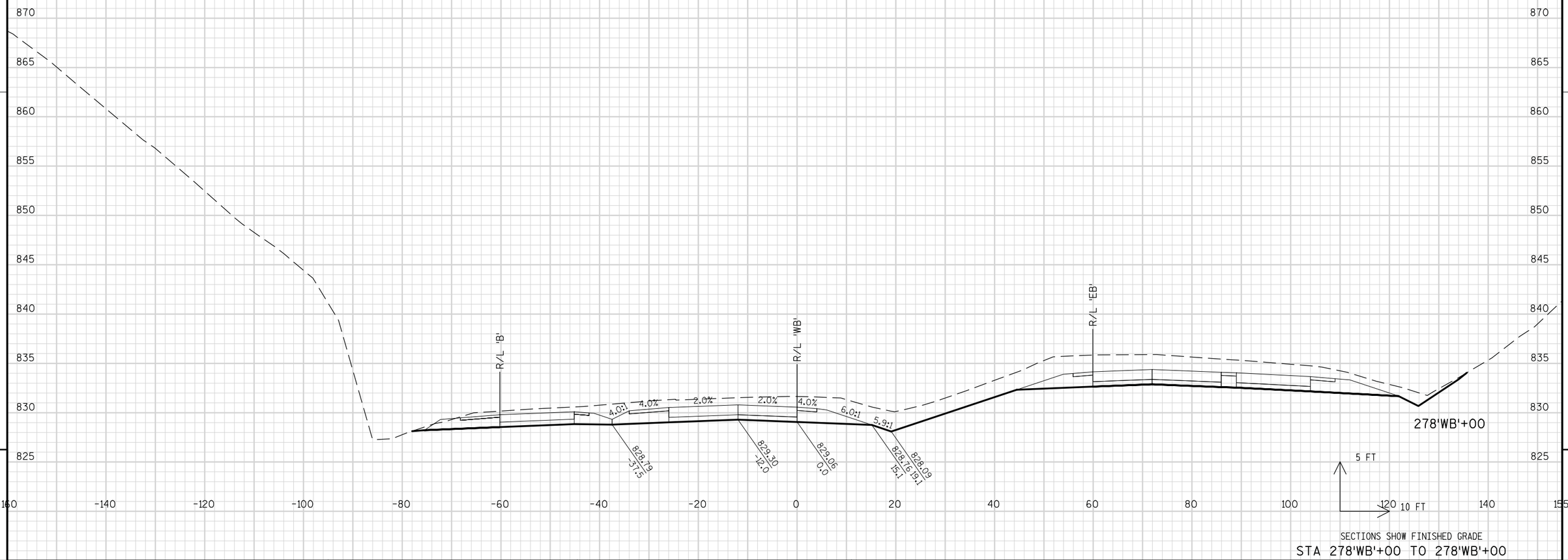
STA 277'WB'+00 TO 277'WB'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 WB	SHEET NO: 1002 E

FILE NAME : CH_0803_090202_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

IH 94 WB WORK STAGE 3



SECTIONS SHOW FINISHED GRADE

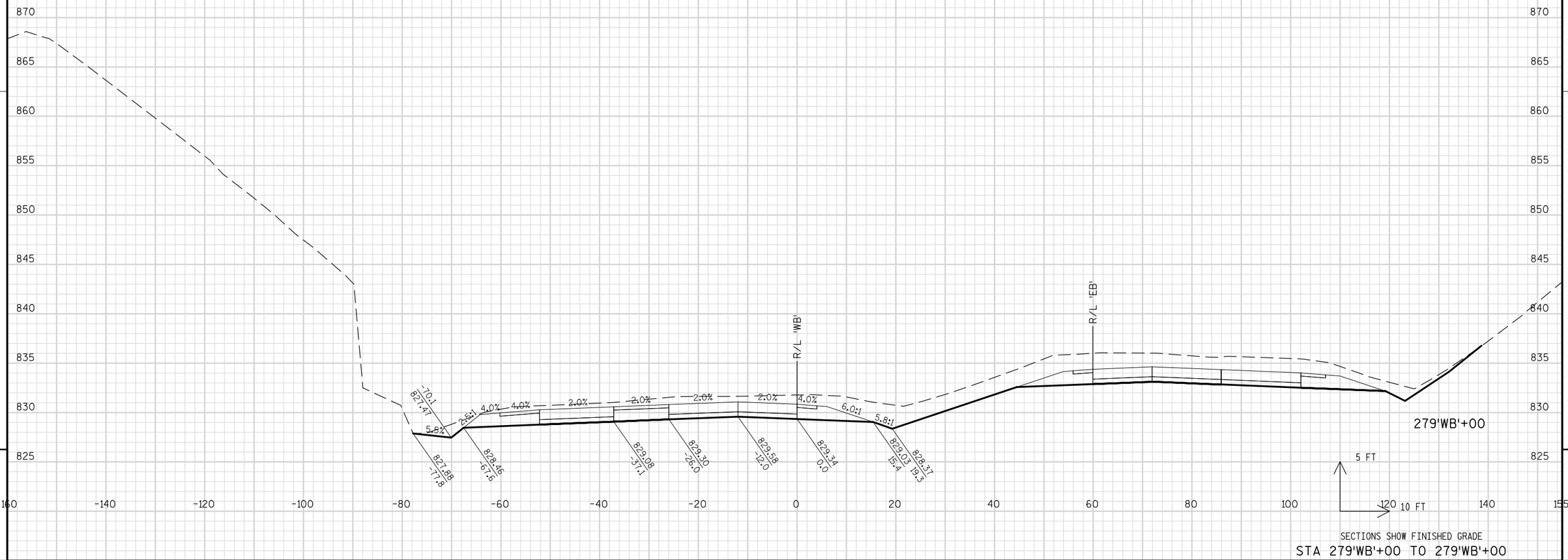
STA 278'WB'+00 TO 278'WB'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 WB	SHEET NO: 1003	E

FILE NAME : CH_0803_090202_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

IH 94 WB WORK STAGE 3



SECTIONS SHOW FINISHED GRADE

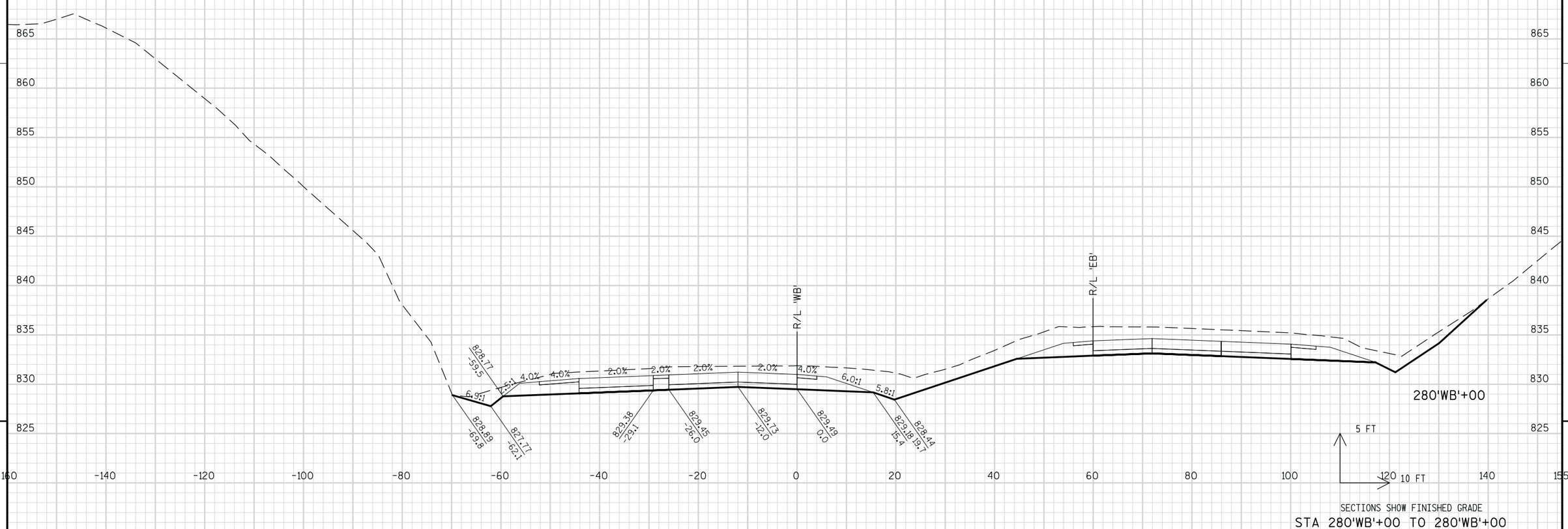
STA 279'WB'+00 TO 279'WB'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 WB	SHEET NO: 1004	E

FILE NAME : CH_0803_090202_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

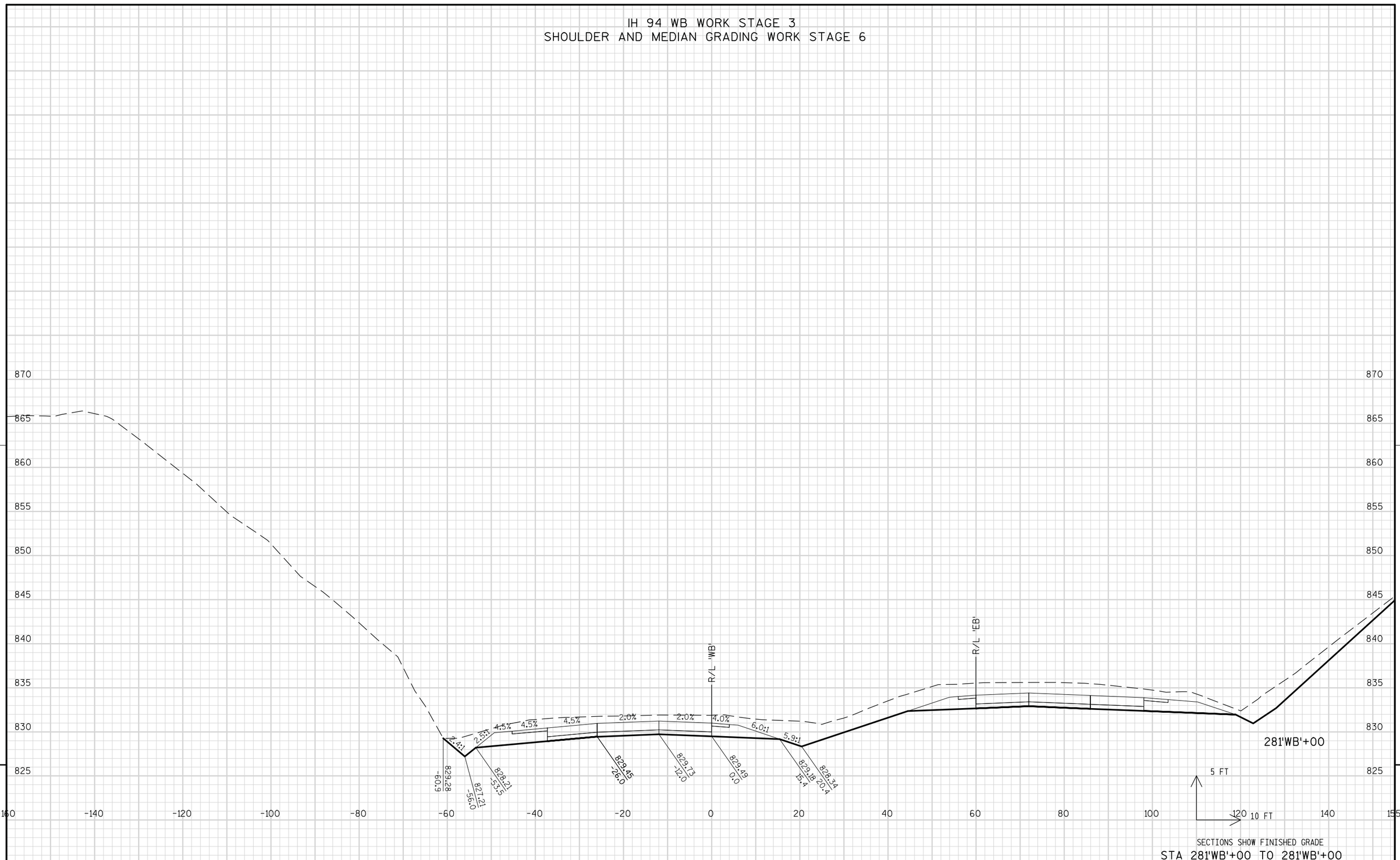
IH 94 WB WORK STAGE 3



PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 WB	SHEET NO: 1005	E

FILE NAME : CH_0803_090202_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

IH 94 WB WORK STAGE 3
SHOULDER AND MEDIAN GRADING WORK STAGE 6

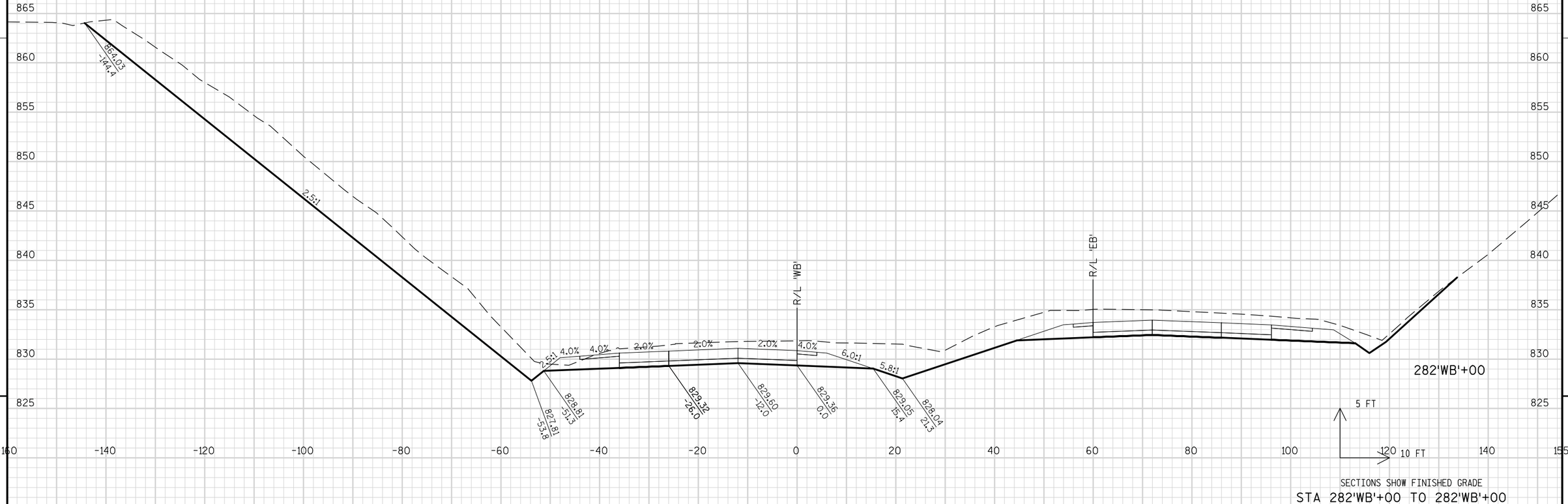


PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 WB	SHEET NO: 1006	E

FILE NAME : CH_0803_090202_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

IH 94 WB WORK STAGE 3
SHOULDER AND MEDIAN GRADING WORK STAGE 6



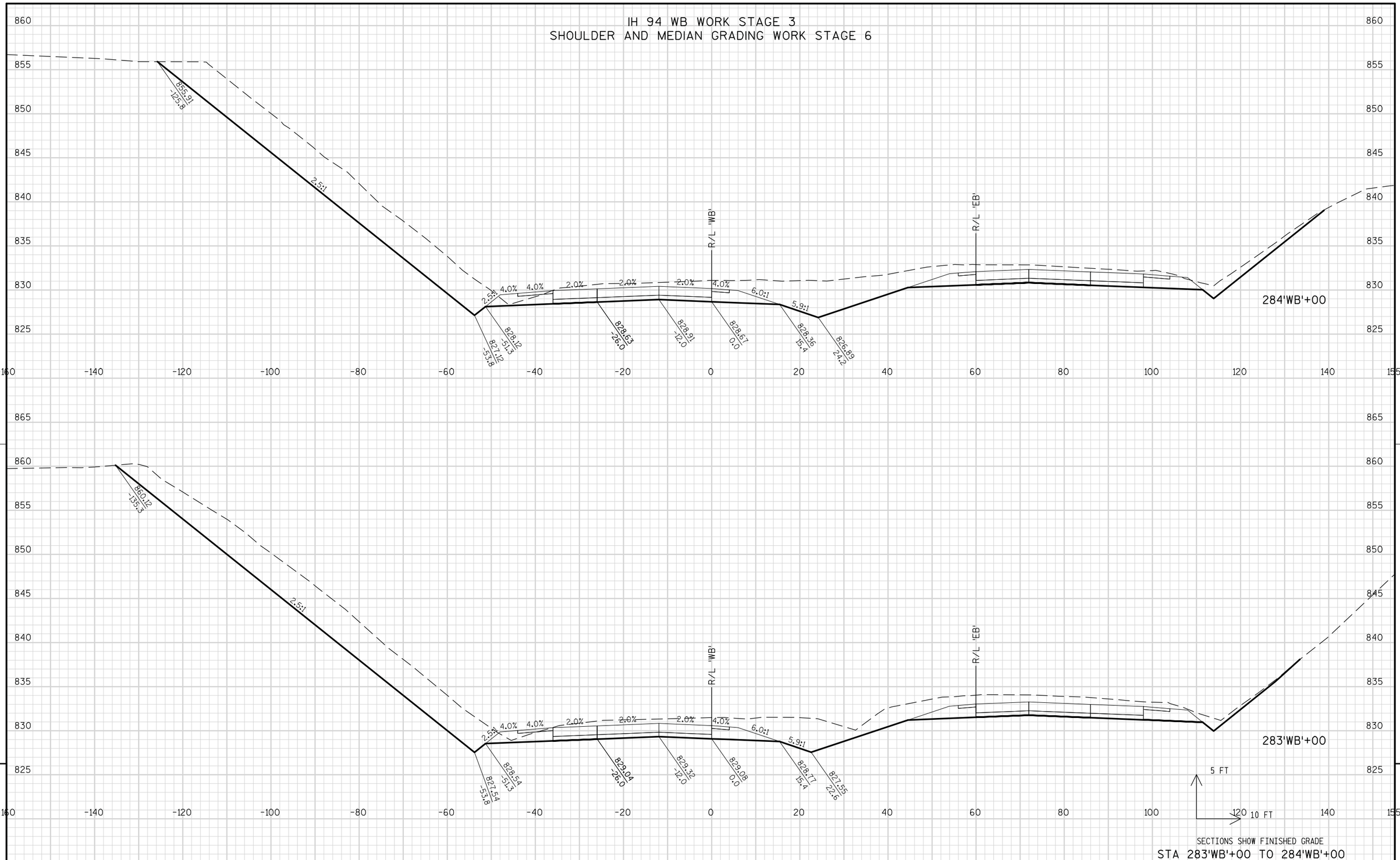
SECTIONS SHOW FINISHED GRADE
STA 282'WB'+00 TO 282'WB'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 WB	SHEET NO: 1007	E

FILE NAME : CH_0803_090202_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

IH 94 WB WORK STAGE 3
SHOULDER AND MEDIAN GRADING WORK STAGE 6



SECTIONS SHOW FINISHED GRADE

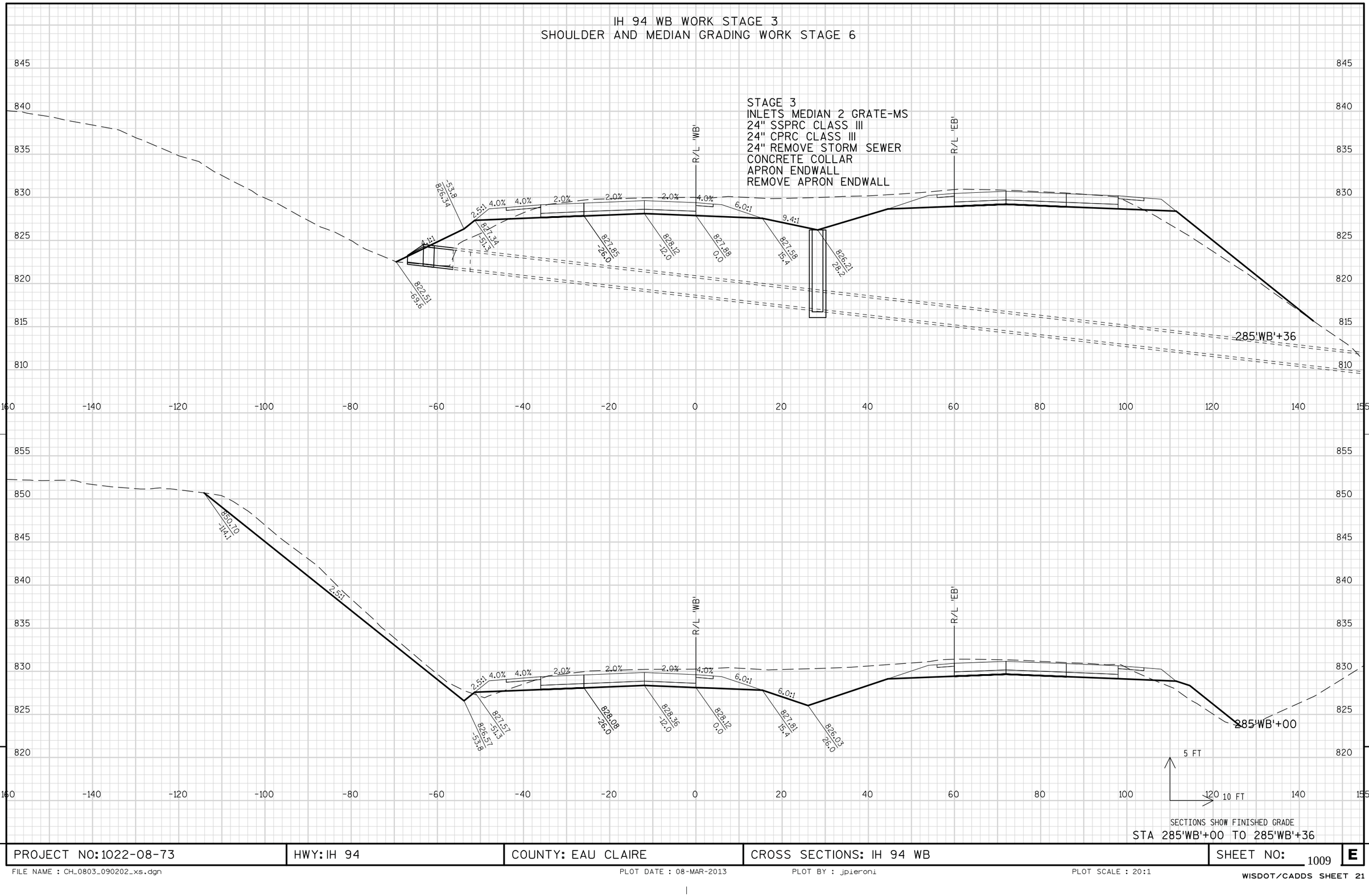
STA 283'WB'+00 TO 284'WB'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 WB	SHEET NO: 1008	E

FILE NAME : CH_0803_090202_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

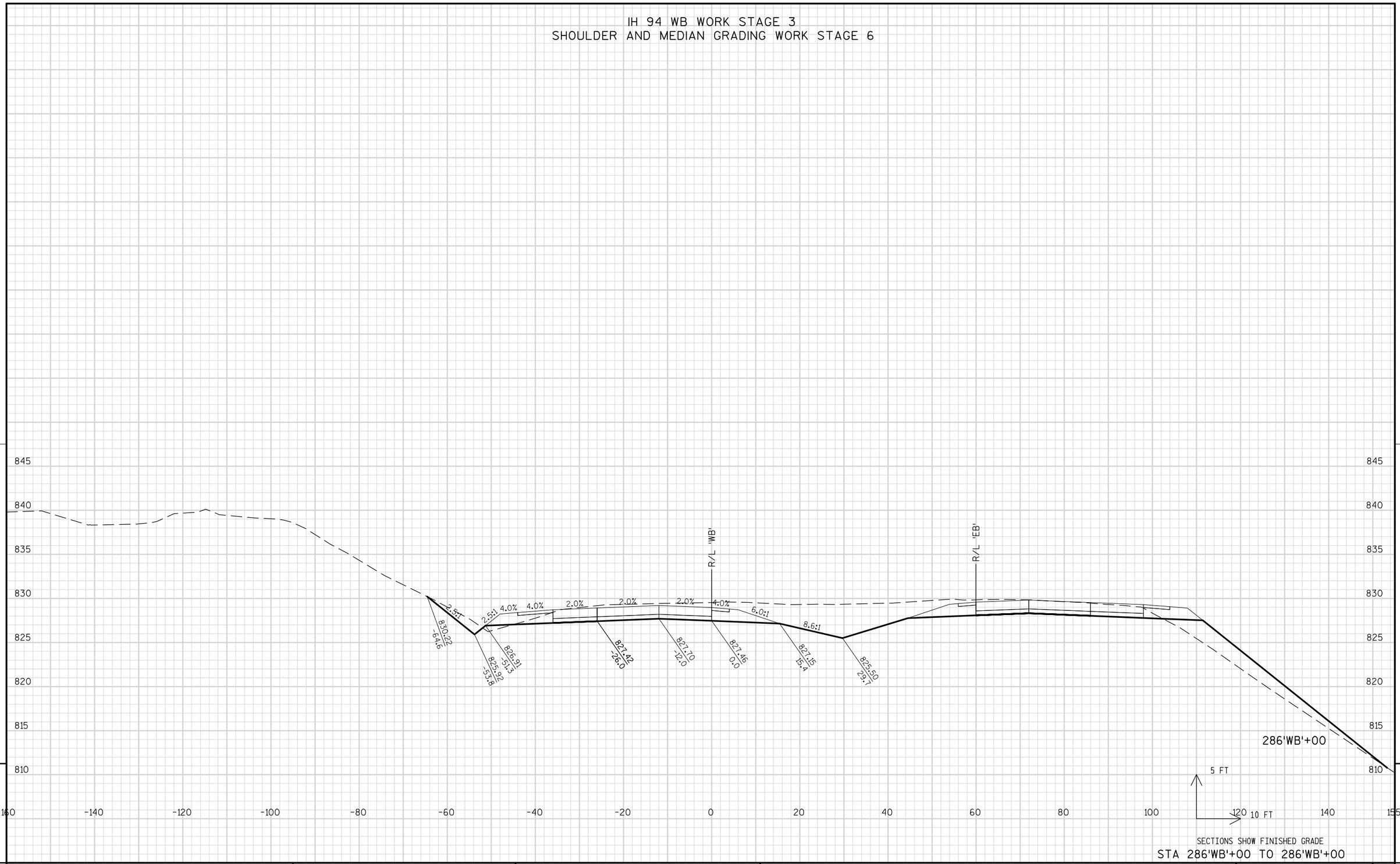
IH 94 WB WORK STAGE 3
SHOULDER AND MEDIAN GRADING WORK STAGE 6



PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 WB	SHEET NO: 1009 E

FILE NAME : CH_0803_090202_xs.dgn | PLOT DATE : 08-MAR-2013 | PLOT BY : jpieroni | PLOT SCALE : 20:1

IH 94 WB WORK STAGE 3
SHOULDER AND MEDIAN GRADING WORK STAGE 6



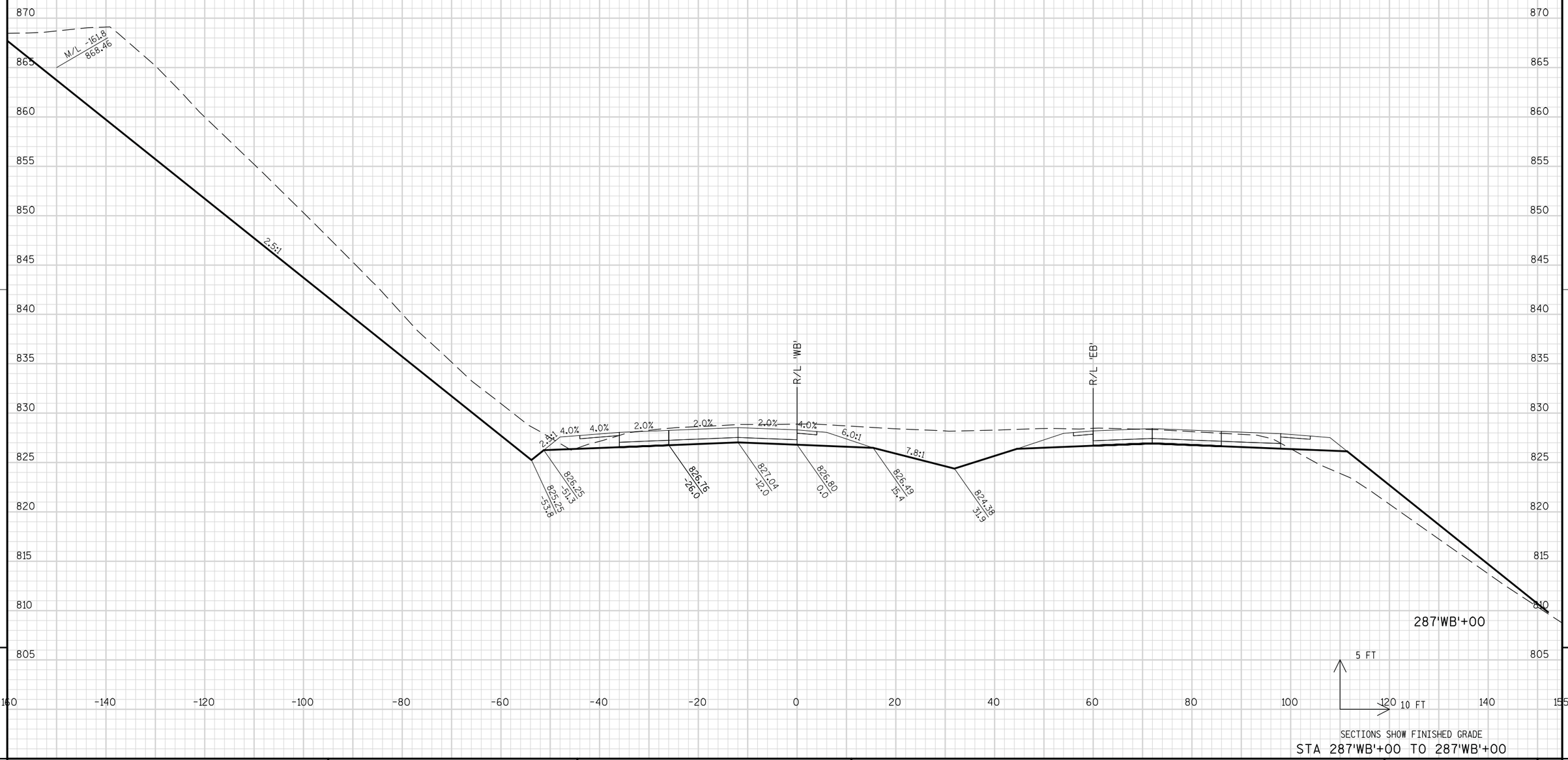
SECTIONS SHOW FINISHED GRADE
STA 286'WB'+00 TO 286'WB'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 WB	SHEET NO: 1010 E

FILE NAME : CH_0803_090202_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

IH 94 WB WORK STAGE 3
SHOULDER AND MEDIAN GRADING WORK STAGE 6



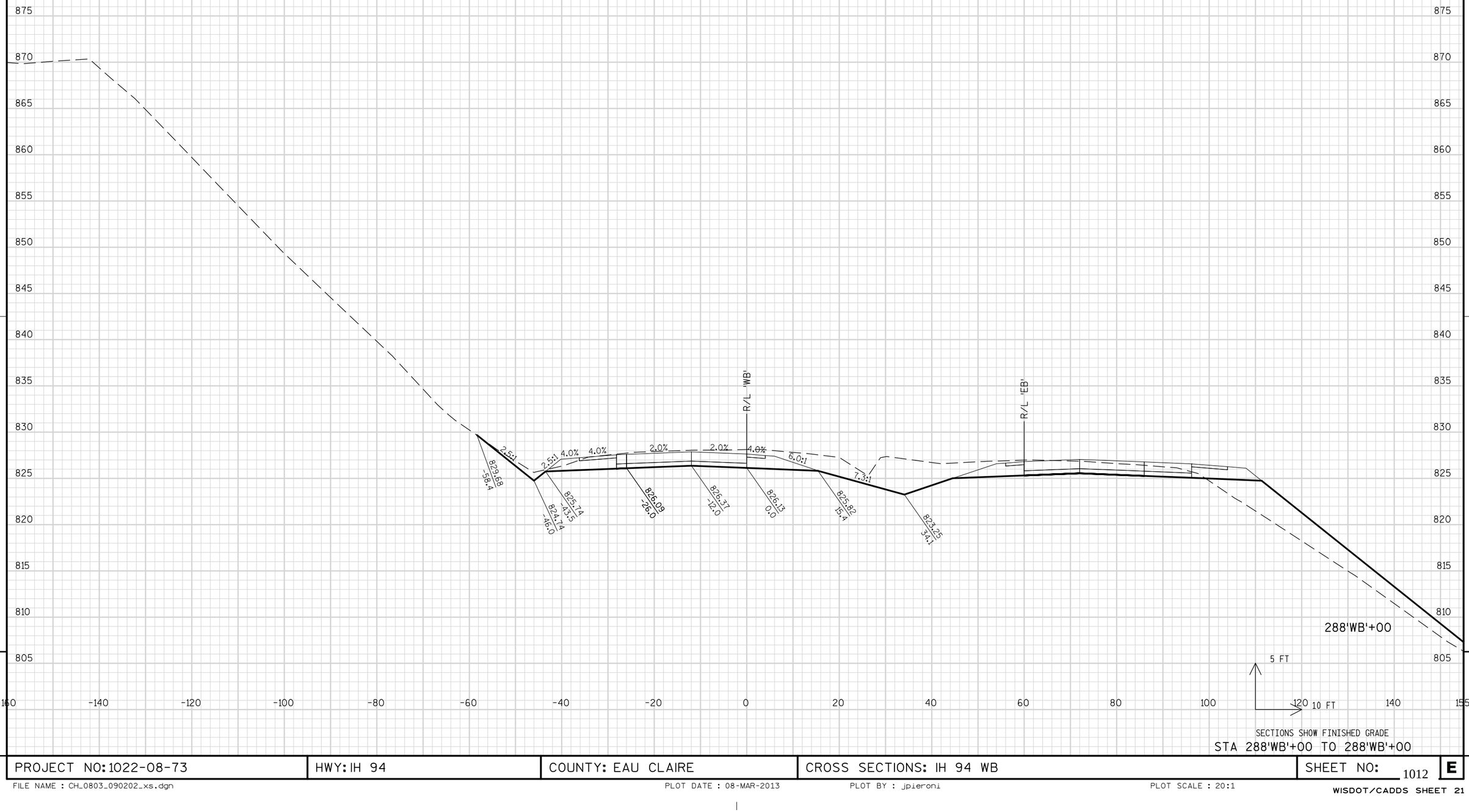
SECTIONS SHOW FINISHED GRADE
STA 287'WB'+00 TO 287'WB'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 WB	SHEET NO: 1011 E

FILE NAME : CH_0803_090202_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

IH 94 WB WORK STAGE 3
SHOULDER AND MEDIAN GRADING WORK STAGE 6

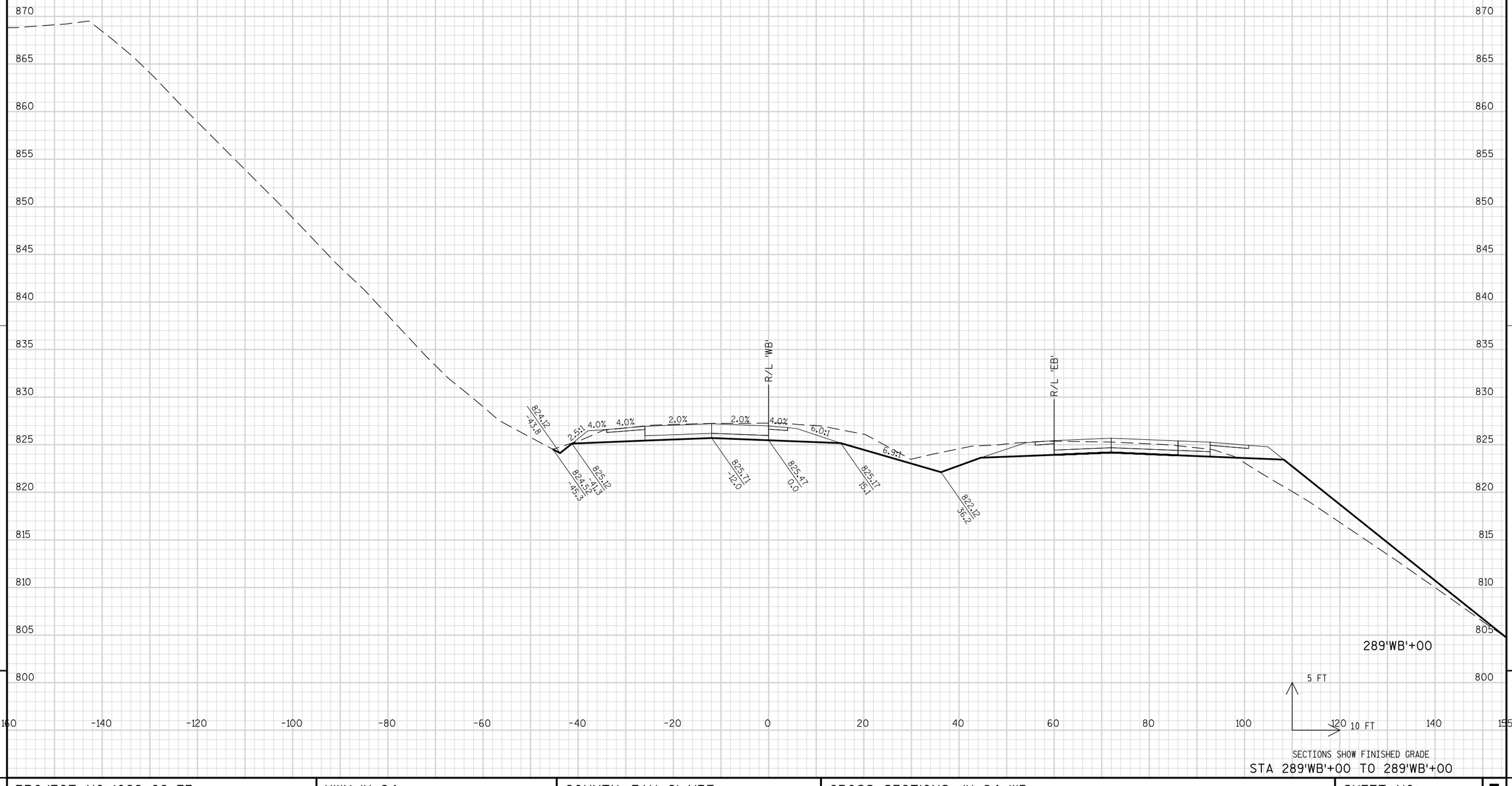


PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 WB	SHEET NO: 1012	E

FILE NAME : CH_0803_090202_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

IH 94 WB WORK STAGE 3
SHOULDER AND MEDIAN GRADING WORK STAGE 6



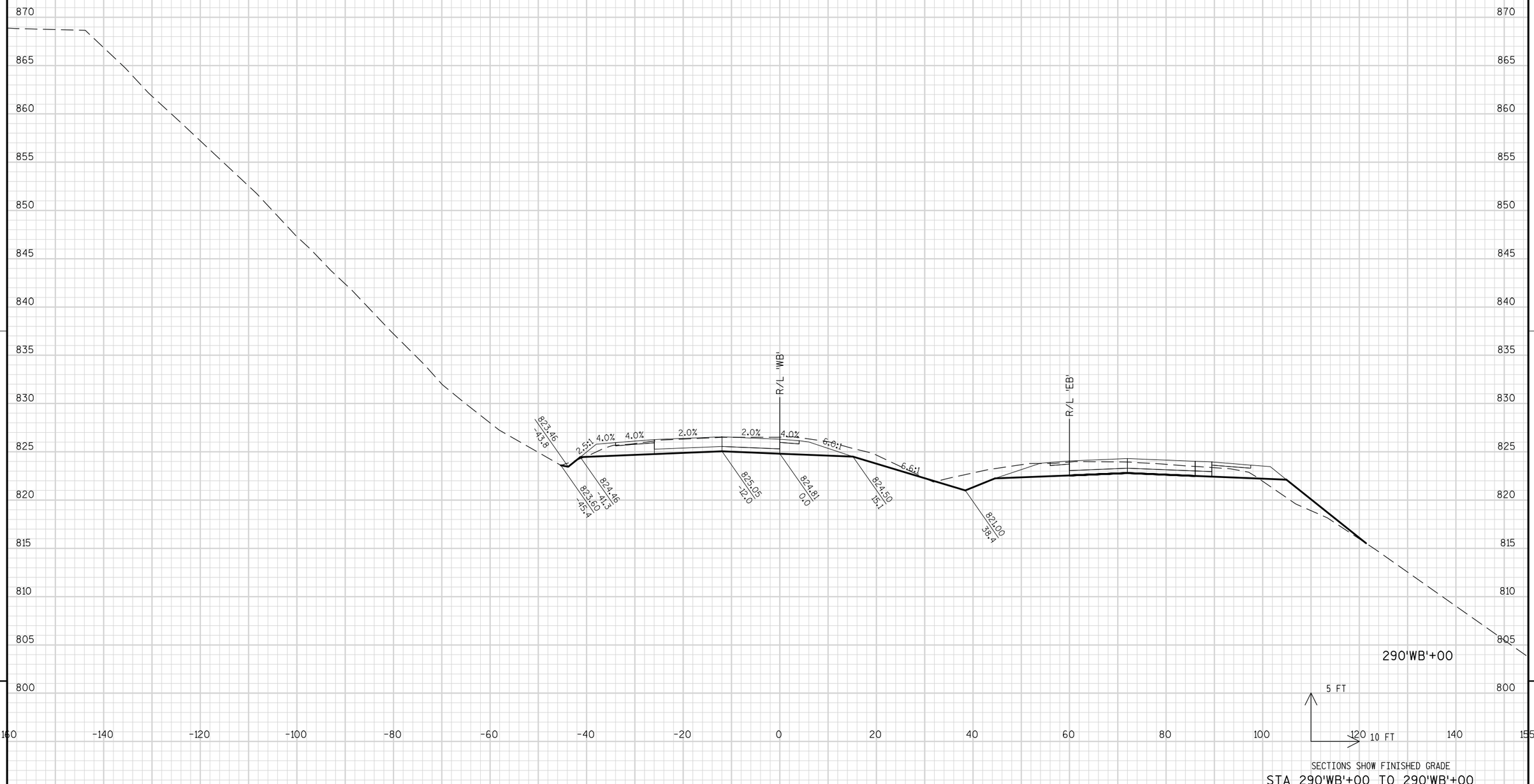
SECTIONS SHOW FINISHED GRADE
STA 289'WB'+00 TO 289'WB'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 WB	SHEET NO: 1013	E

FILE NAME : CH_0803_090202_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

IH 94 WB WORK STAGE 3
SHOULDER AND MEDIAN GRADING WORK STAGE 6



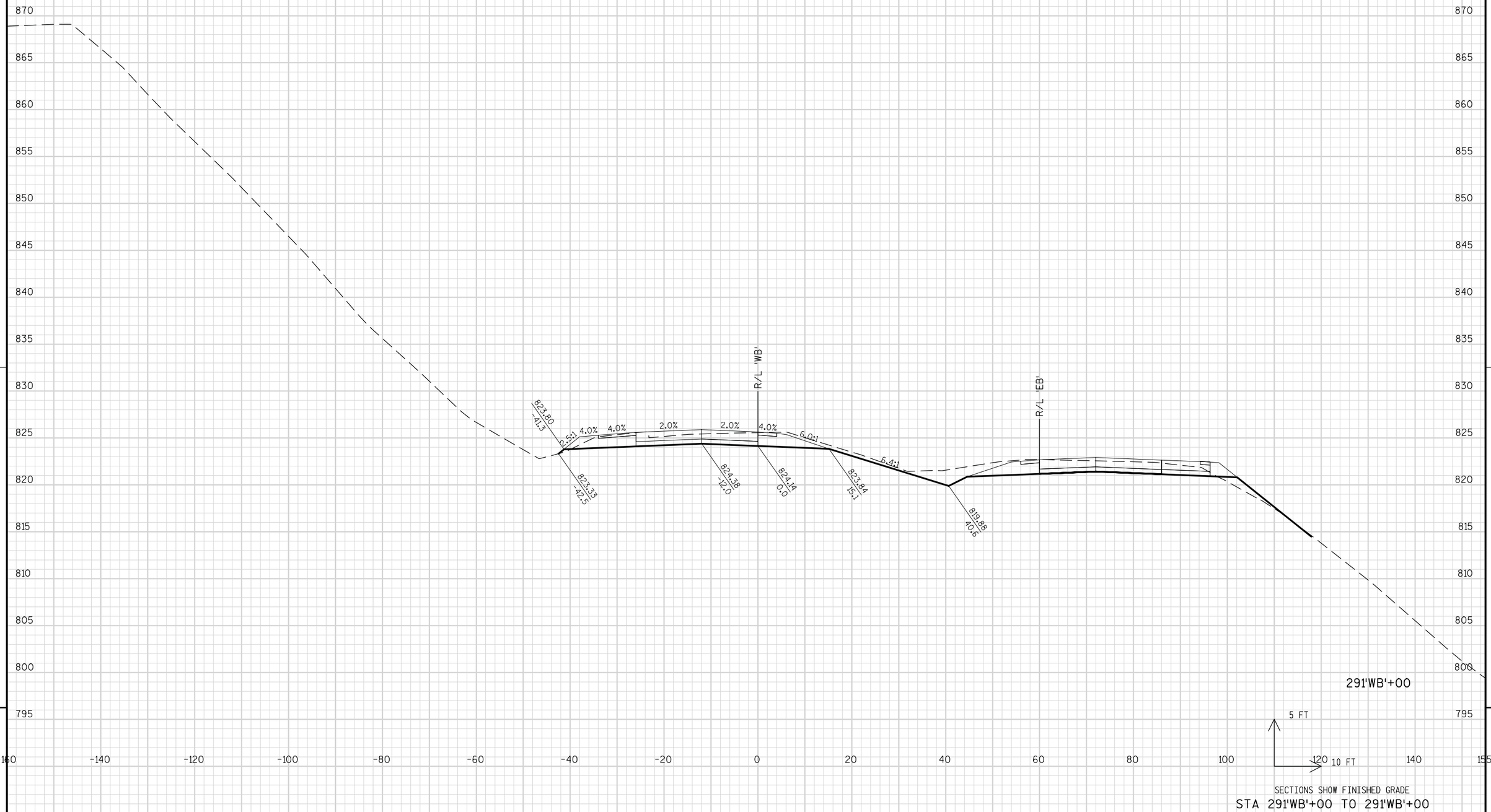
SECTIONS SHOW FINISHED GRADE
STA 290'WB'+00 TO 290'WB'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 WB	SHEET NO: 1014	E

FILE NAME : CH_0803_090202_xs.dgn
PLOT DATE : 08-MAR-2013
PLOT BY : jpieroni
PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

IH 94 WB WORK STAGE 3
SHOULDER AND MEDIAN GRADING WORK STAGE 6



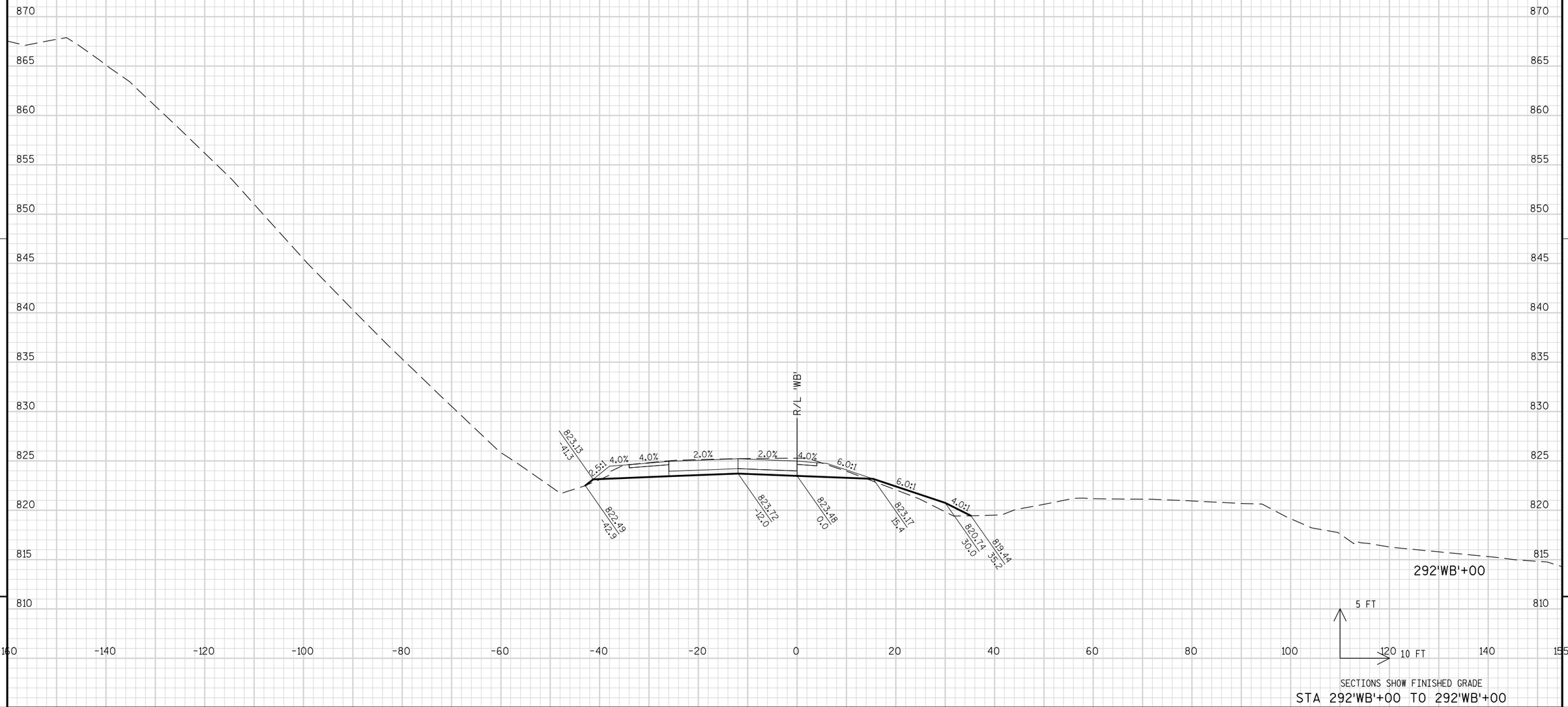
SECTIONS SHOW FINISHED GRADE
STA 291'WB'+00 TO 291'WB'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 WB	SHEET NO: 1015	E

FILE NAME : CH_0803_090202_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

IH 94 WB WORK STAGE 3
MEDIAN GRADING WORK STAGE 6



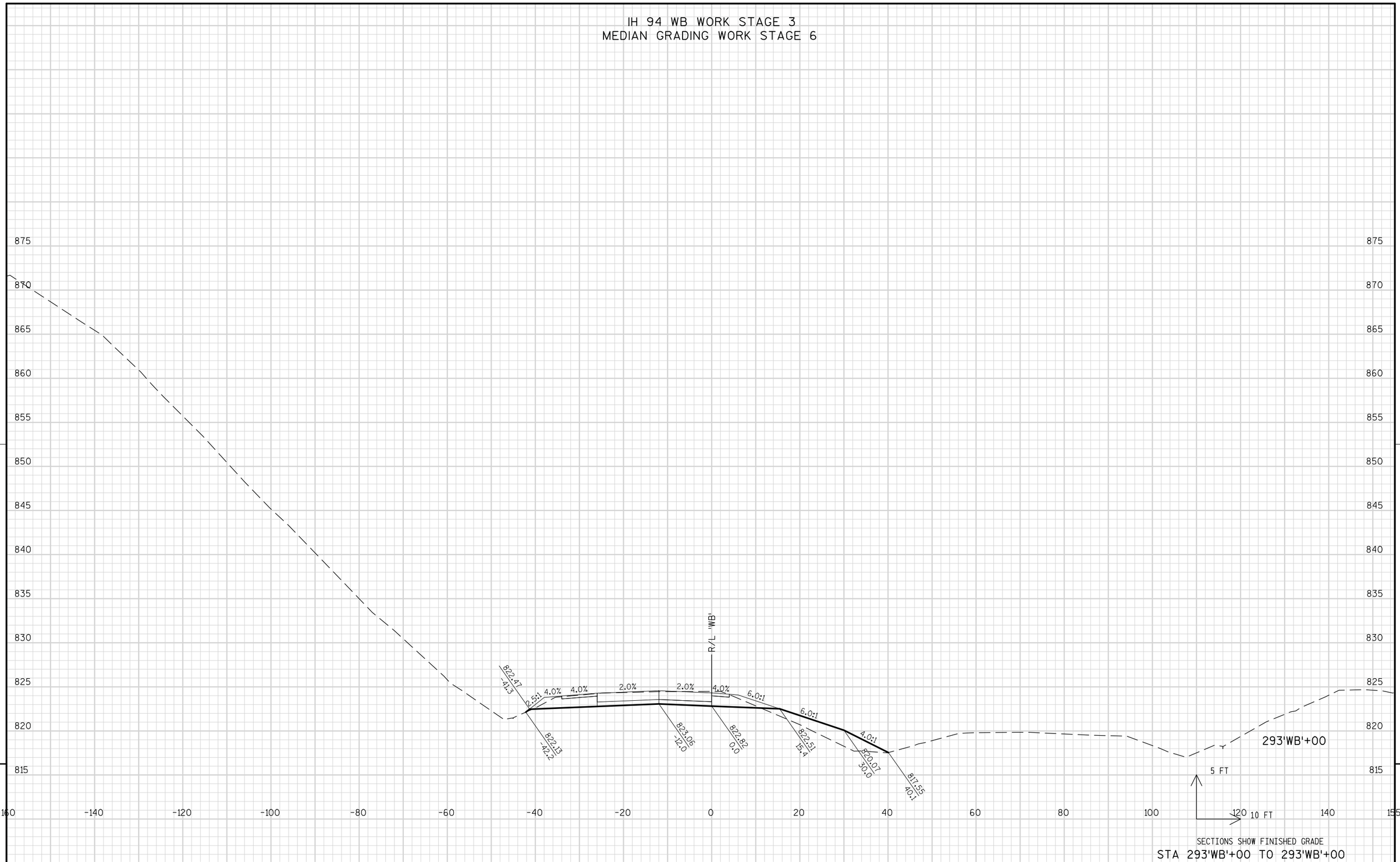
SECTIONS SHOW FINISHED GRADE
STA 292'WB'+00 TO 292'WB'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 WB	SHEET NO: 1016	E

FILE NAME : CH_0803_090202_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

IH 94 WB WORK STAGE 3
MEDIAN GRADING WORK STAGE 6



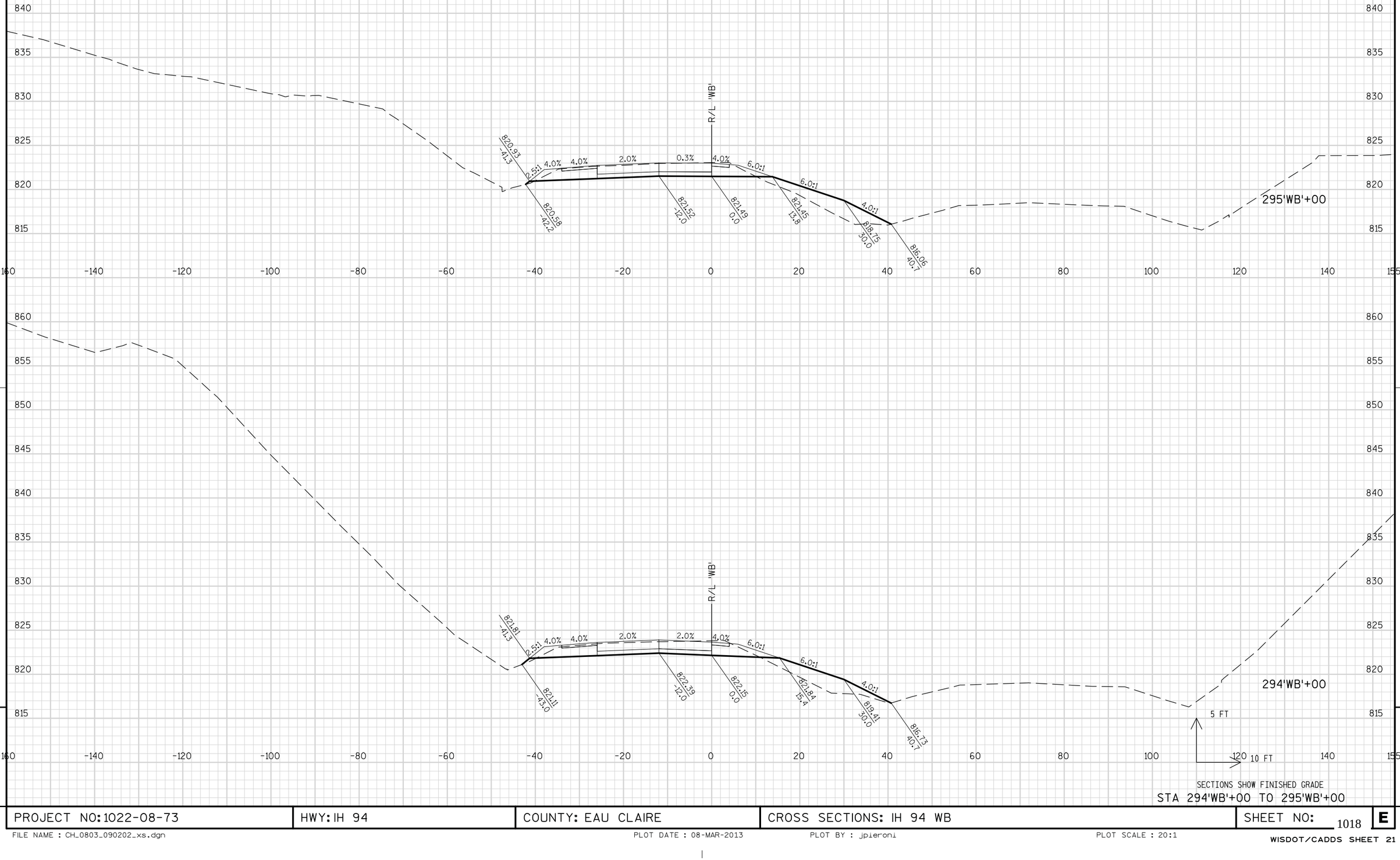
SECTIONS SHOW FINISHED GRADE
STA 293'WB'+00 TO 293'WB'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 WB	SHEET NO: 1017	E

FILE NAME : CH_0803_090202_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

IH 94 WB WORK STAGE 3
MEDIAN GRADING WORK STAGE 6



SECTIONS SHOW FINISHED GRADE
STA 294'WB'+00 TO 295'WB'+00

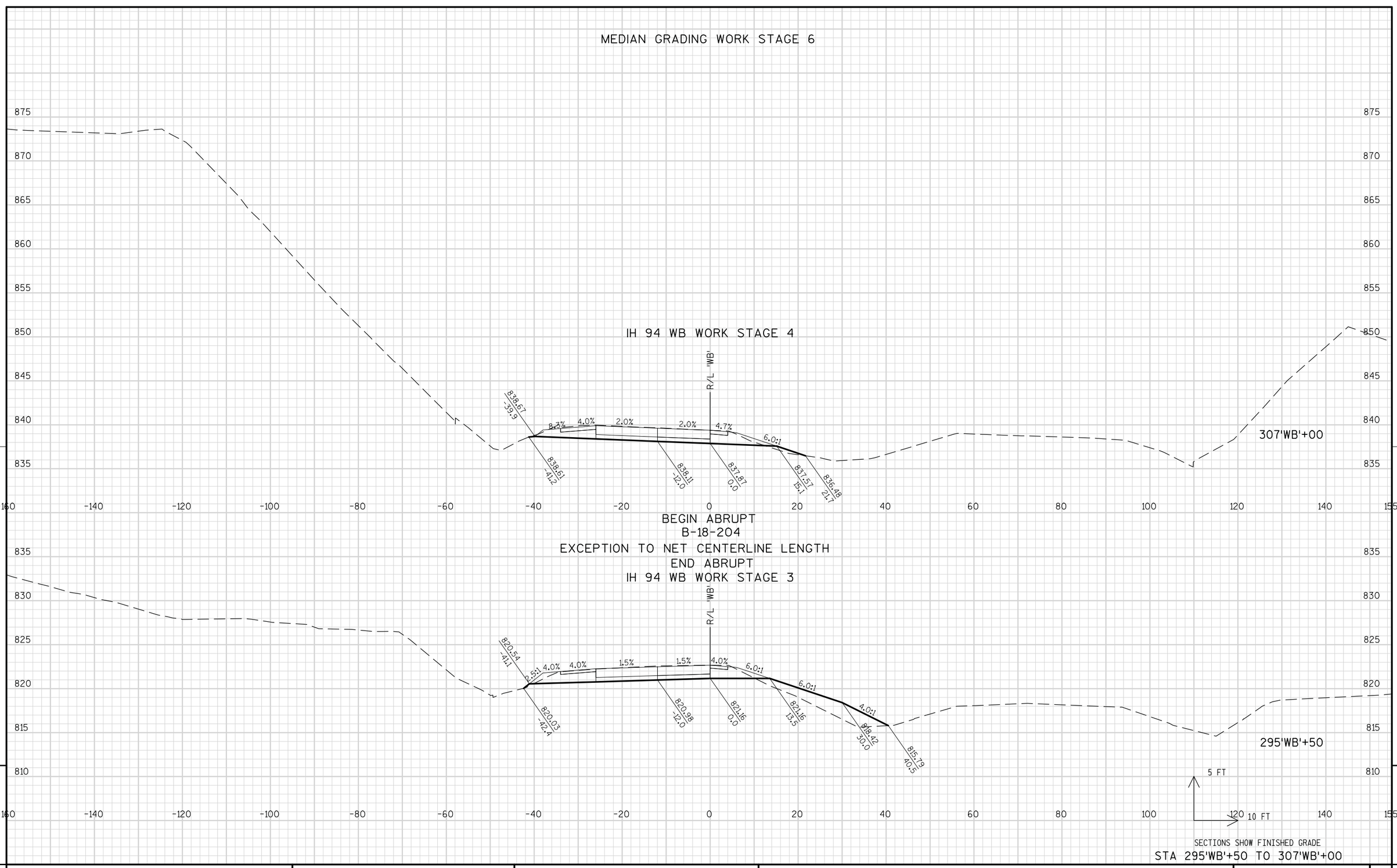
PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 WB	SHEET NO: 1018	E

FILE NAME : CH_0803_090202_xs.dgn | PLOT DATE : 08-MAR-2013 | PLOT BY : jpieroni | PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

MEDIAN GRADING WORK STAGE 6

IH 94 WB WORK STAGE 4



SECTIONS SHOW FINISHED GRADE

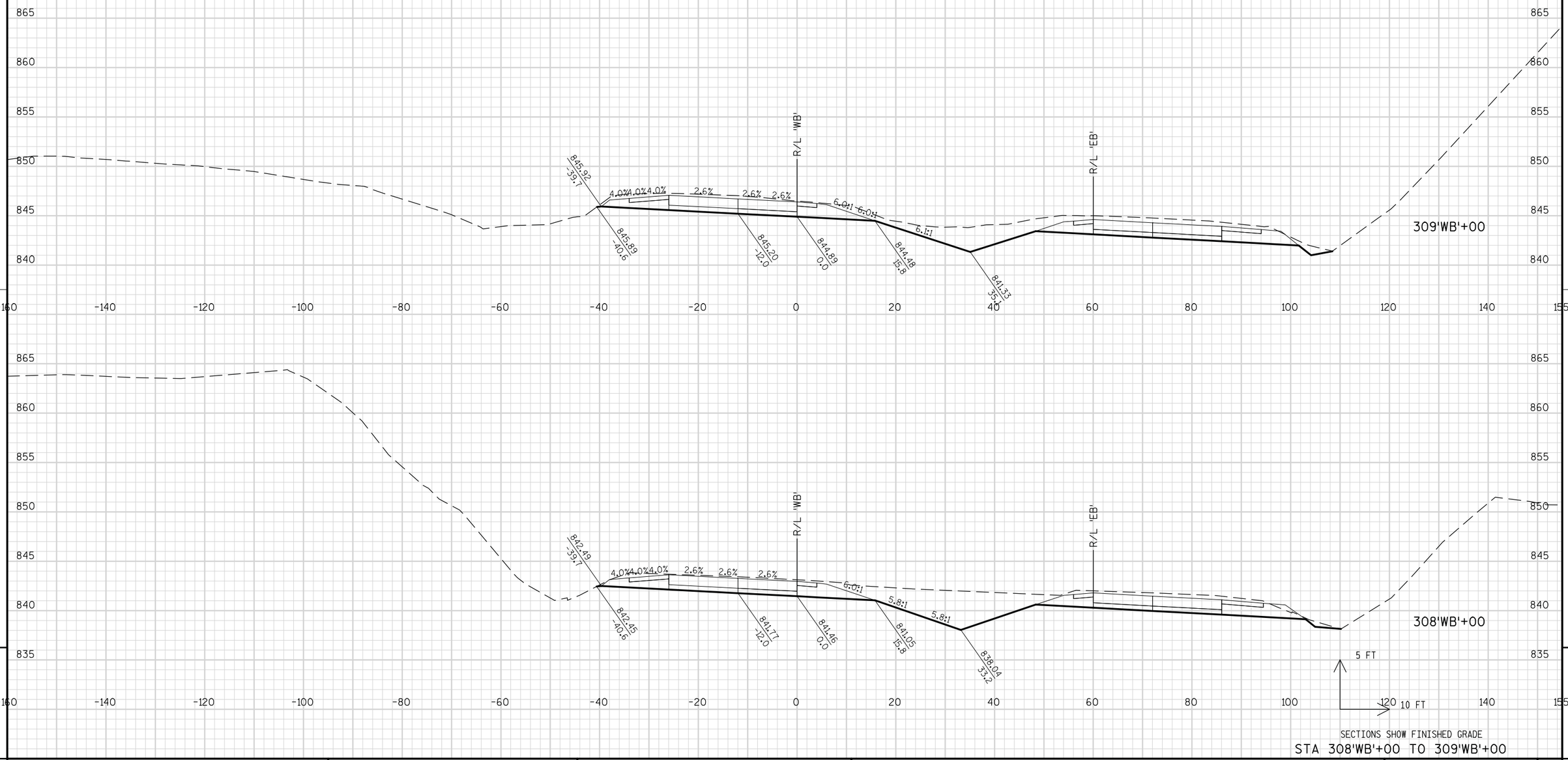
STA 295'WB'+50 TO 307'WB'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 WB	SHEET NO: 1019 E

FILE NAME : CH_0803_090202_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

IH 94 WB WORK STAGE 4
MEDIAN GRADING WORK STAGE 6

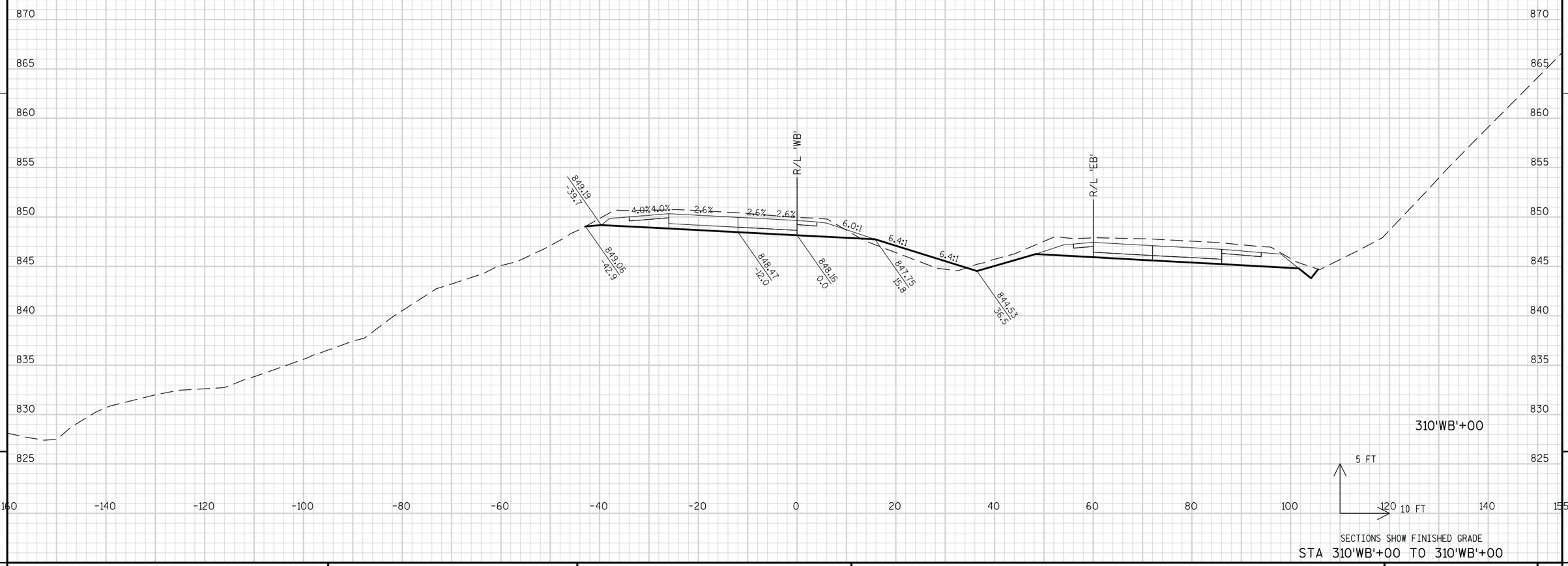


PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 WB	SHEET NO: 1020 E

FILE NAME : CH_0803_090202_xs.dgn | PLOT DATE : 08-MAR-2013 | PLOT BY : jpieroni | PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

IH 94 WB WORK STAGE 4
MEDIAN GRADING WORK STAGE 6



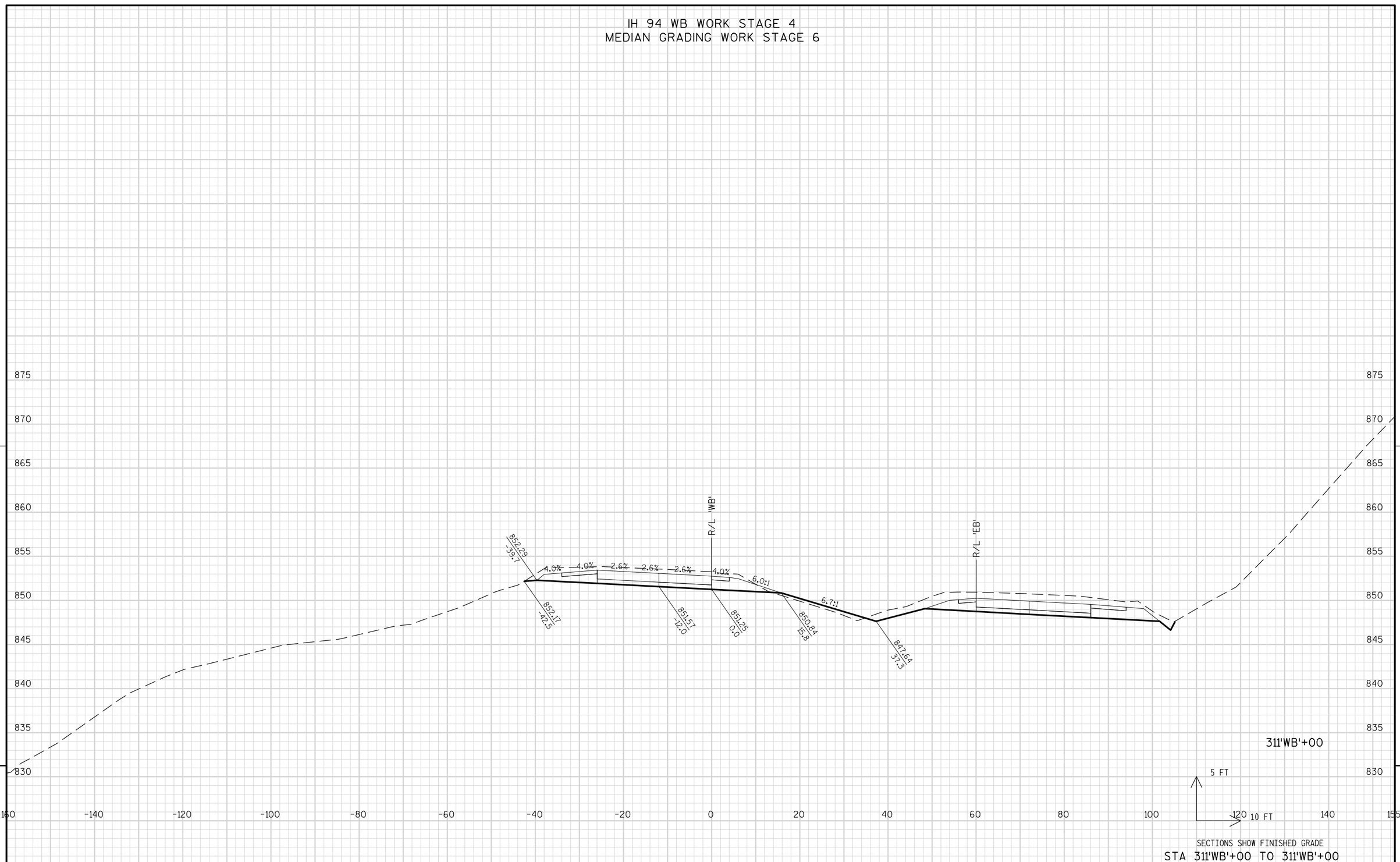
SECTIONS SHOW FINISHED GRADE
STA 310'WB'+00 TO 310'WB'+00

9 9

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 WB	SHEET NO: 1021	E

FILE NAME : CH_0803_090202_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

IH 94 WB WORK STAGE 4
MEDIAN GRADING WORK STAGE 6



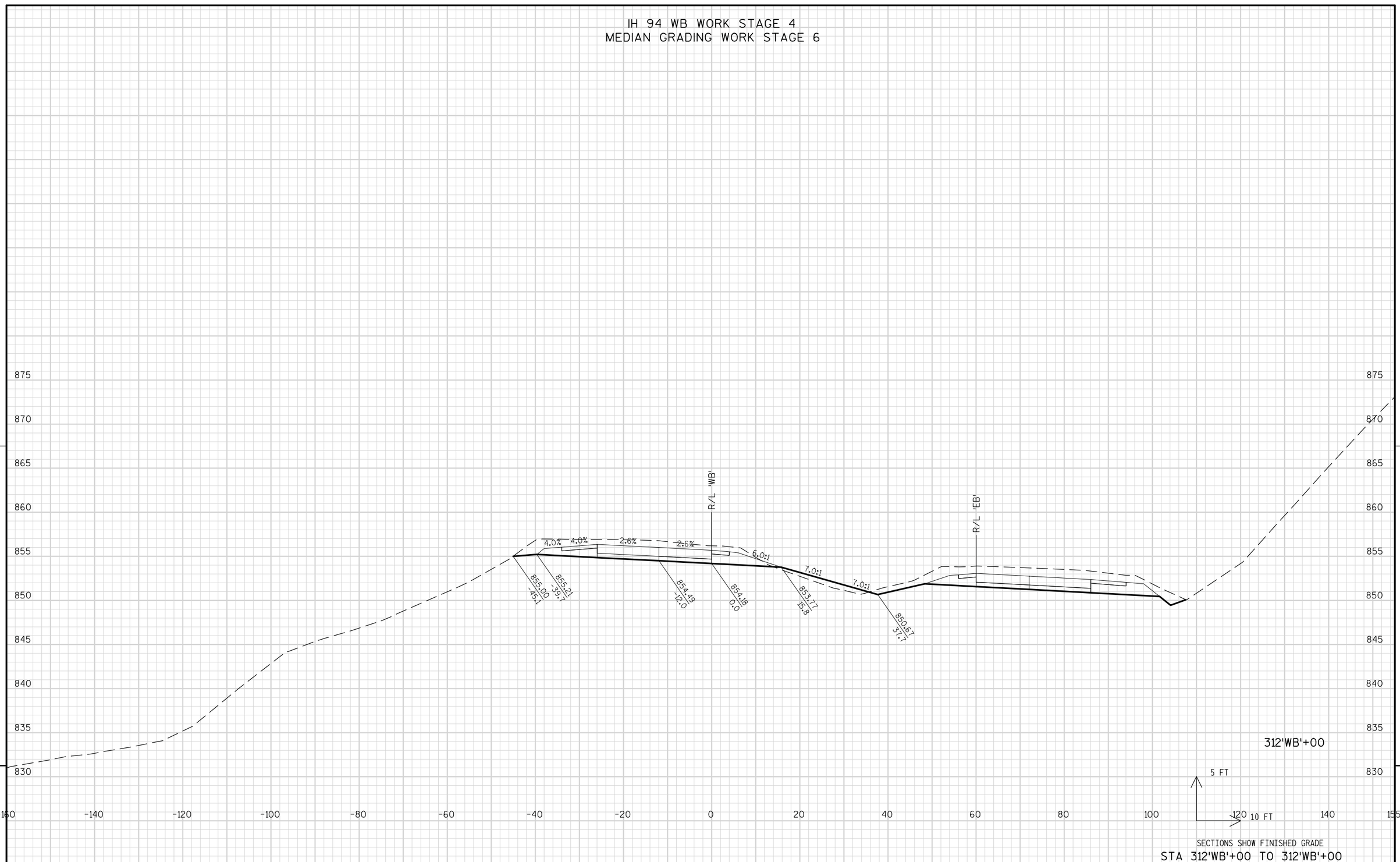
SECTIONS SHOW FINISHED GRADE
STA 311'WB'+00 TO 311'WB'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 WB	SHEET NO: 1022 E

FILE NAME : CH_0803_090202_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

IH 94 WB WORK STAGE 4
MEDIAN GRADING WORK STAGE 6



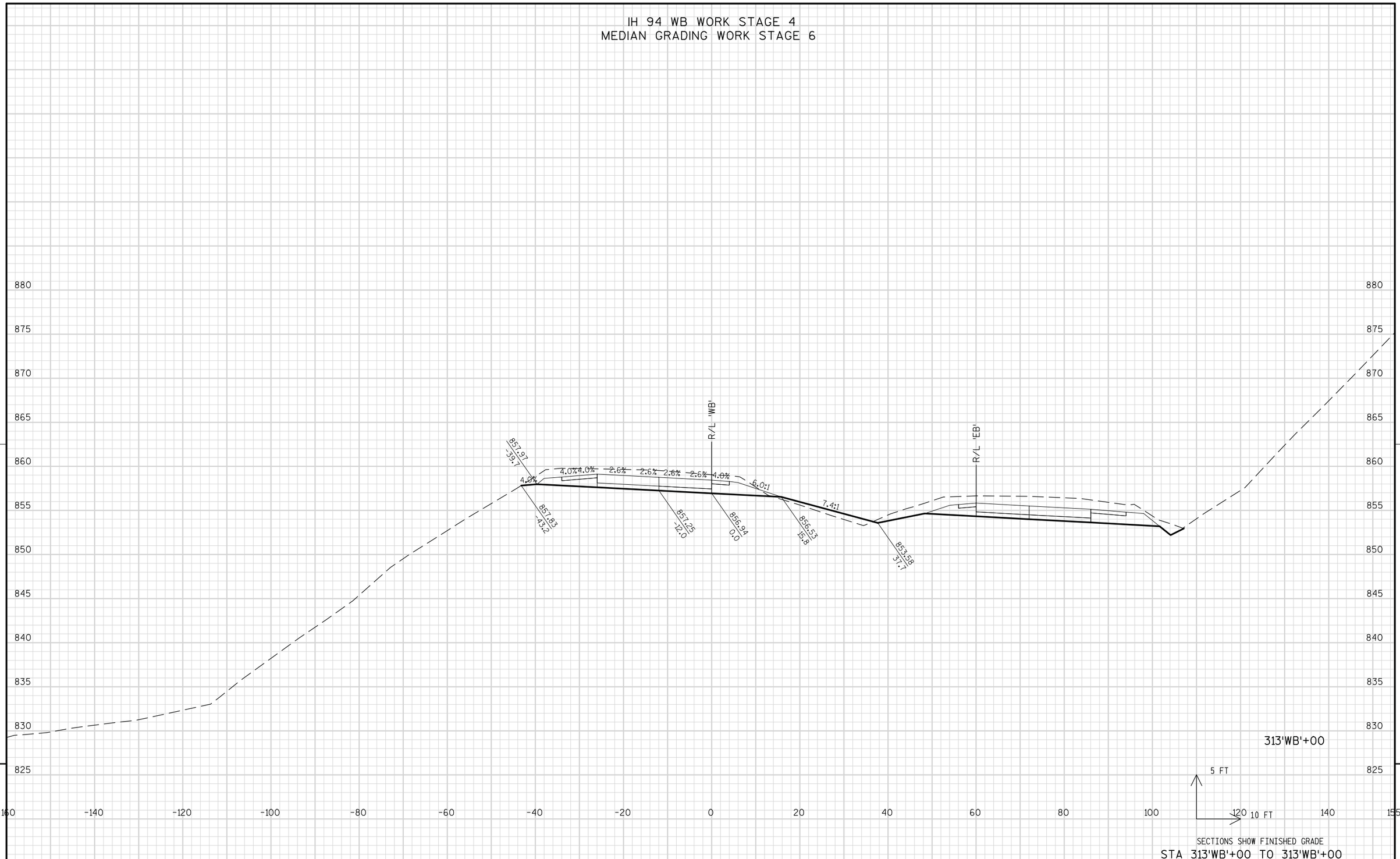
SECTIONS SHOW FINISHED GRADE
STA 312'WB'+00 TO 312'WB'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 WB	SHEET NO: 1023 E

FILE NAME : CH_0803_090202_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

IH 94 WB WORK STAGE 4
MEDIAN GRADING WORK STAGE 6

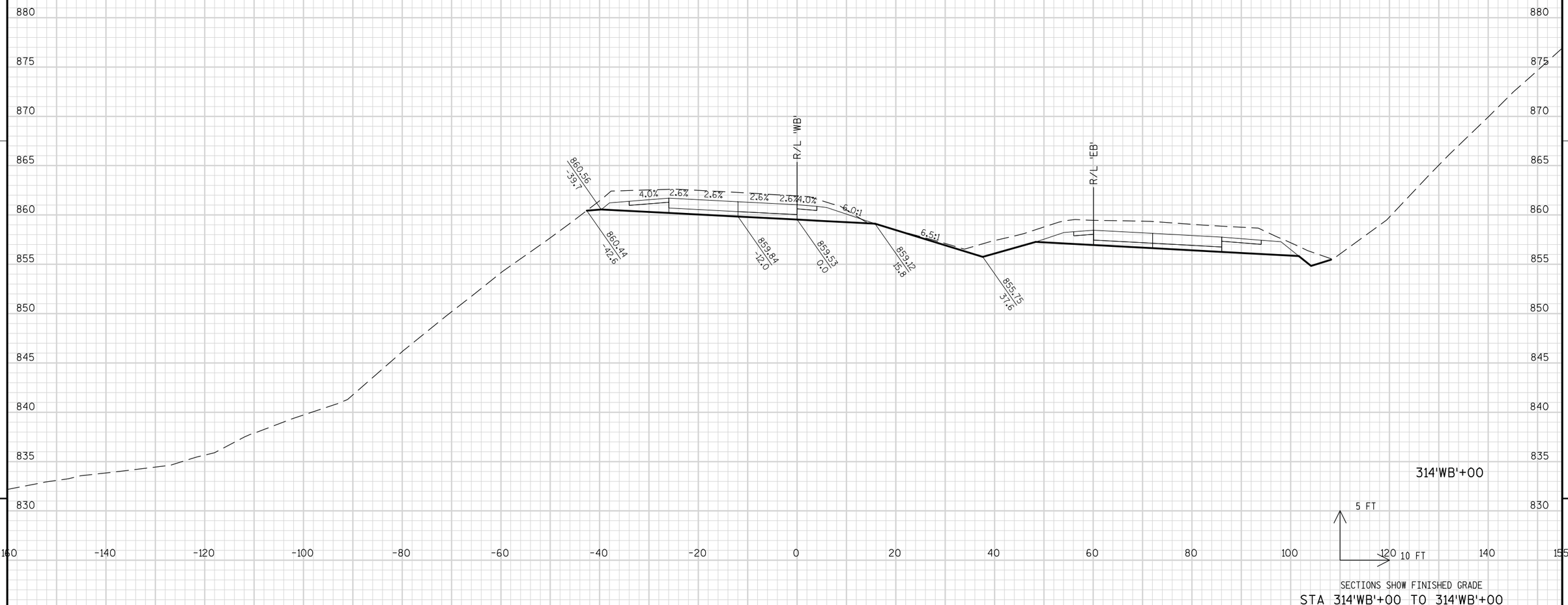


SECTIONS SHOW FINISHED GRADE
STA 313'WB'+00 TO 313'WB'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 WB	SHEET NO: 1024	E

FILE NAME : CH_0803_090202_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

IH 94 WB WORK STAGE 4
MEDIAN GRADING WORK STAGE 6

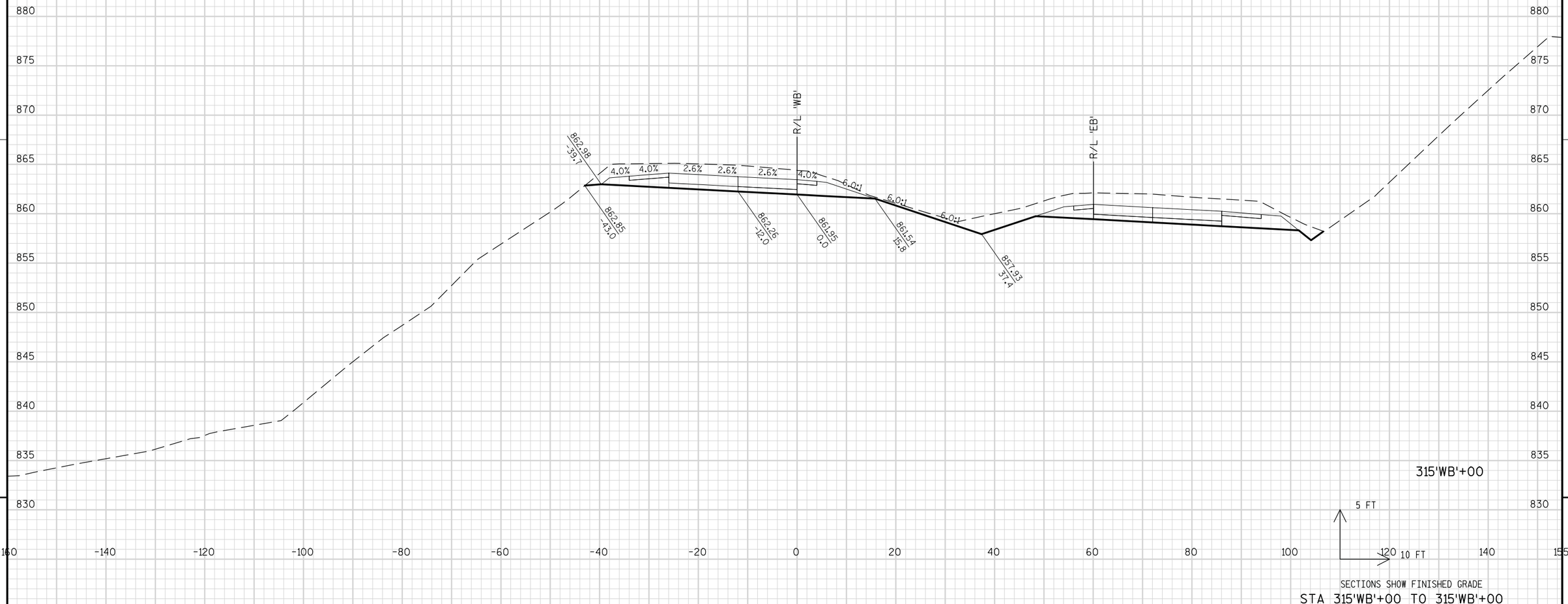


SECTIONS SHOW FINISHED GRADE
STA 314'WB'+00 TO 314'WB'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 WB	SHEET NO: 1025	E

FILE NAME : CH_0803_090202_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

IH 94 WB WORK STAGE 4
MEDIAN GRADING WORK STAGE 6



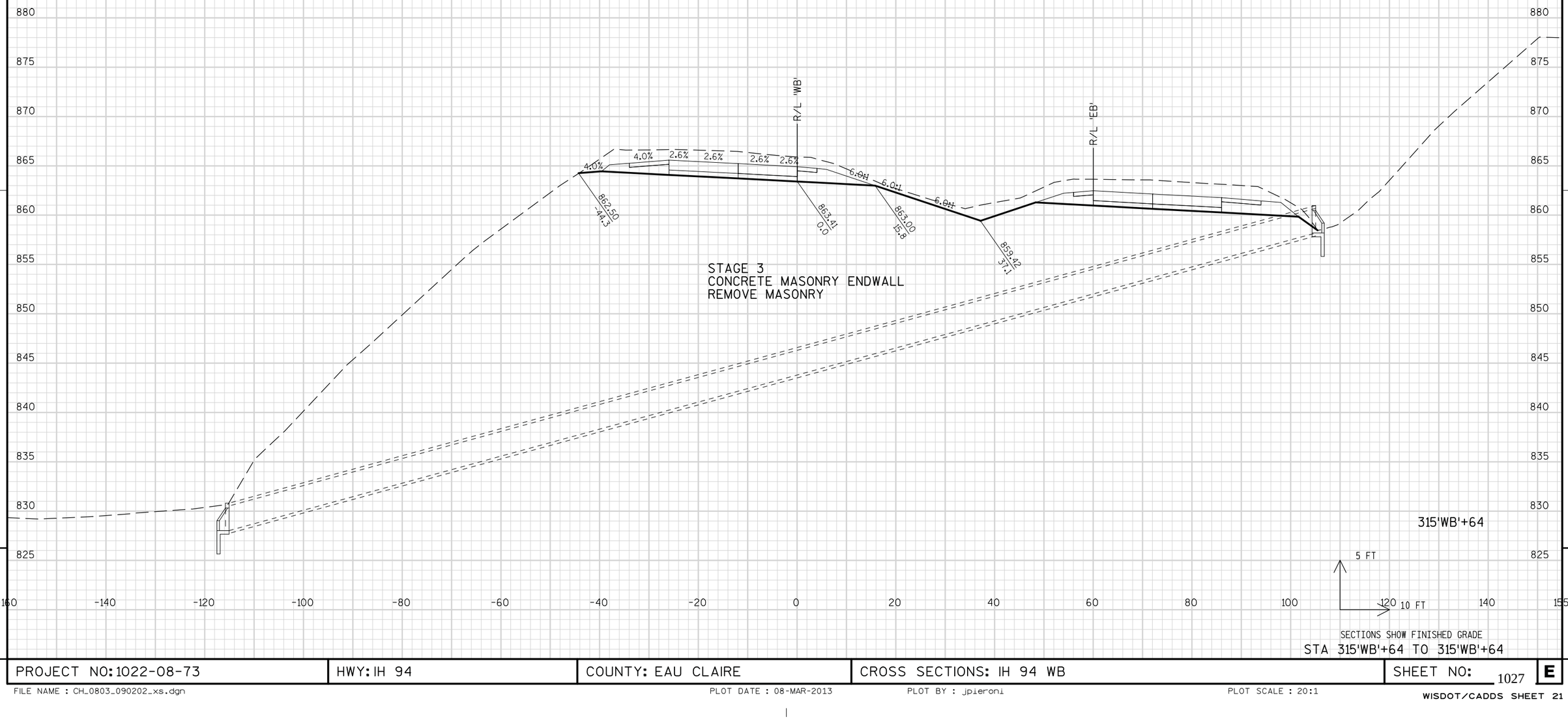
SECTIONS SHOW FINISHED GRADE
STA 315'WB'+00 TO 315'WB'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 WB	SHEET NO: 1026	E

FILE NAME : CH_0803_090202_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

IH 94 WB WORK STAGE 4
MEDIAN GRADING WORK STAGE 6



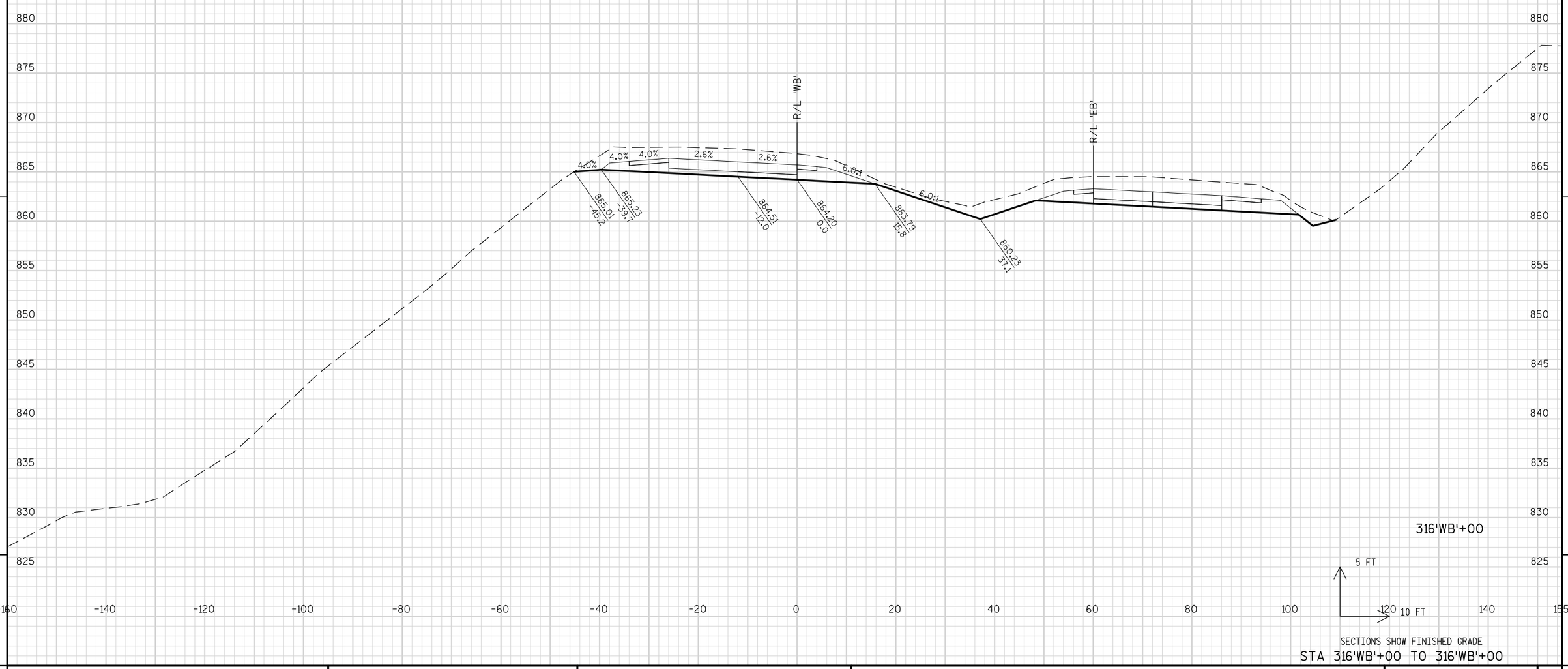
SECTIONS SHOW FINISHED GRADE
STA 315'WB'+64 TO 315'WB'+64

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 WB	SHEET NO: 1027	E

FILE NAME : CH_0803_090202_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

IH 94 WB WORK STAGE 4
MEDIAN GRADING WORK STAGE 6



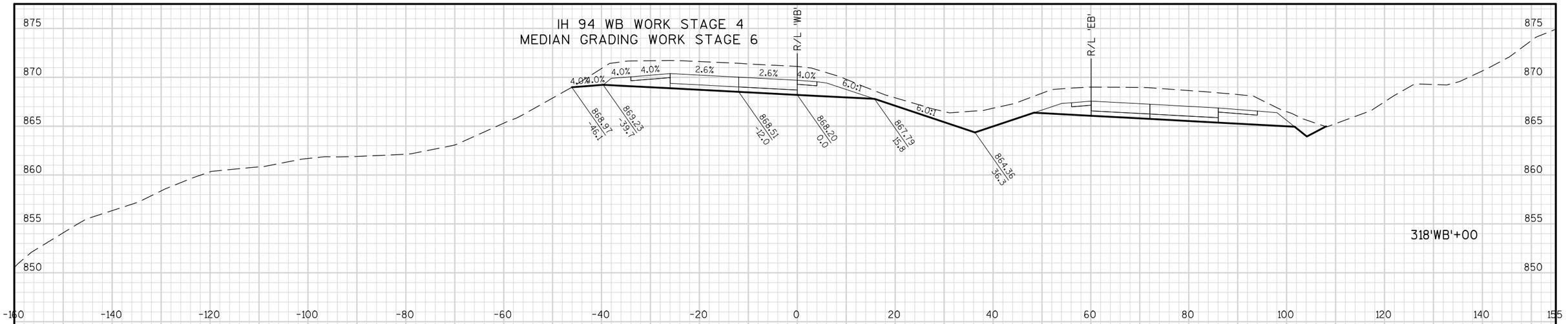
SECTIONS SHOW FINISHED GRADE
STA 316'WB'+00 TO 316'WB'+00

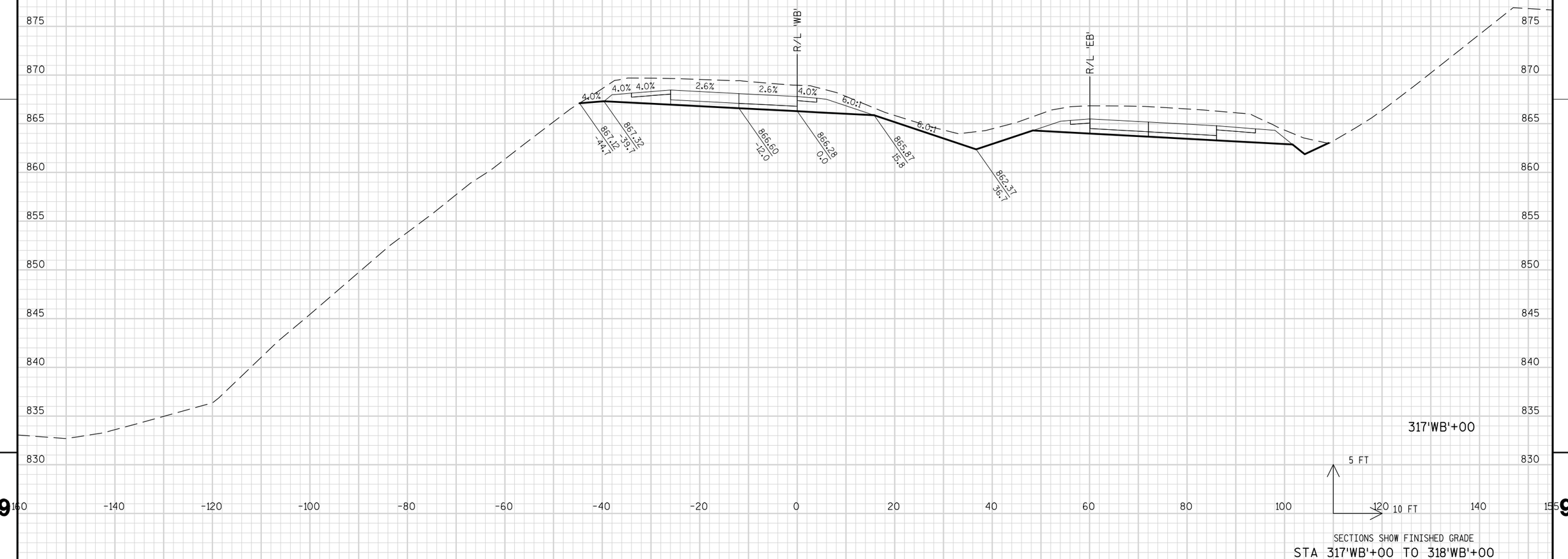
PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 WB	SHEET NO: 1028 E

FILE NAME : CH_0803_090202_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

IH 94 WB WORK STAGE 4
MEDIAN GRADING WORK STAGE 6





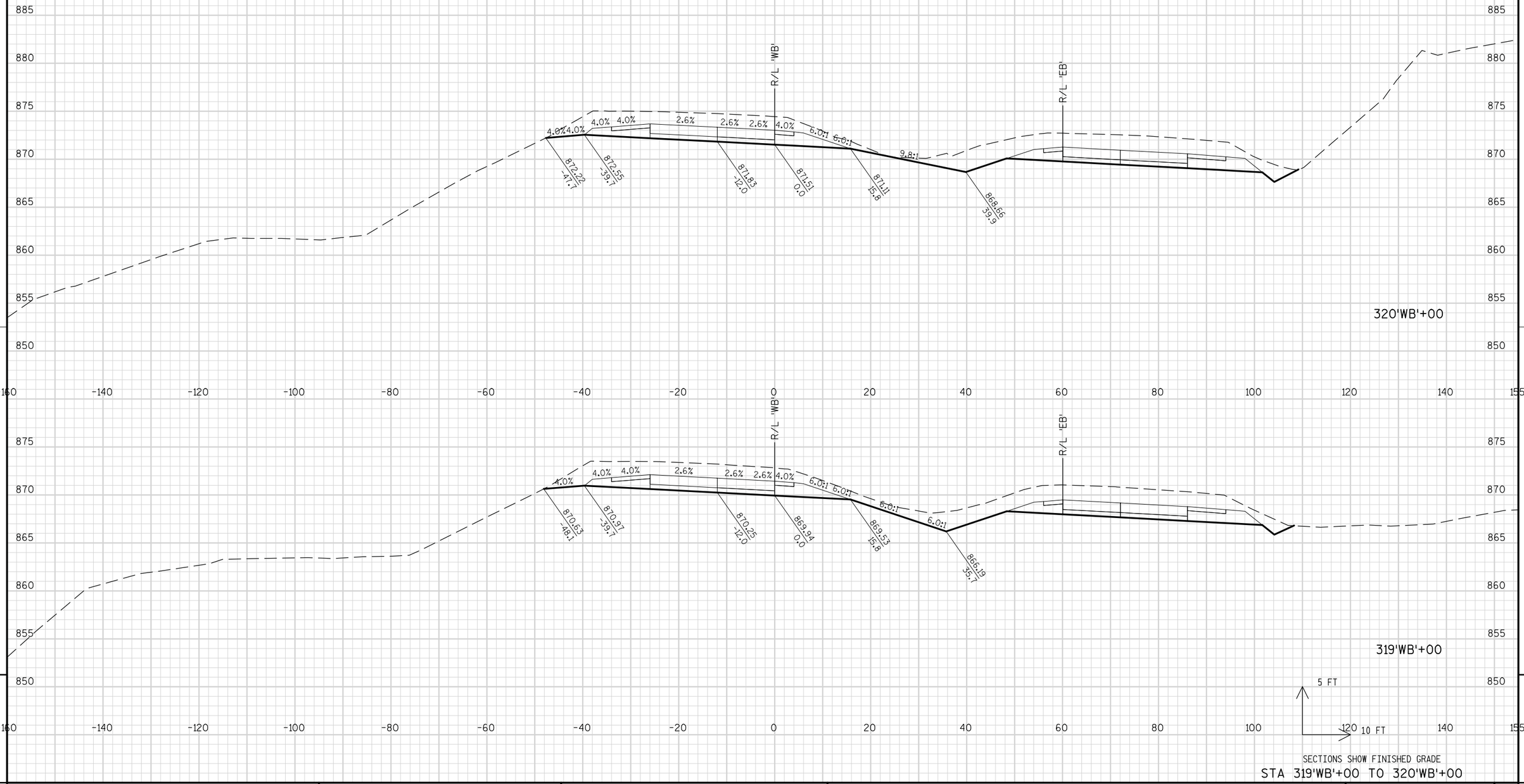
SECTIONS SHOW FINISHED GRADE
STA 317'WB'+00 TO 318'WB'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 WB	SHEET NO: 1029	E

FILE NAME : CH_0803_090202_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

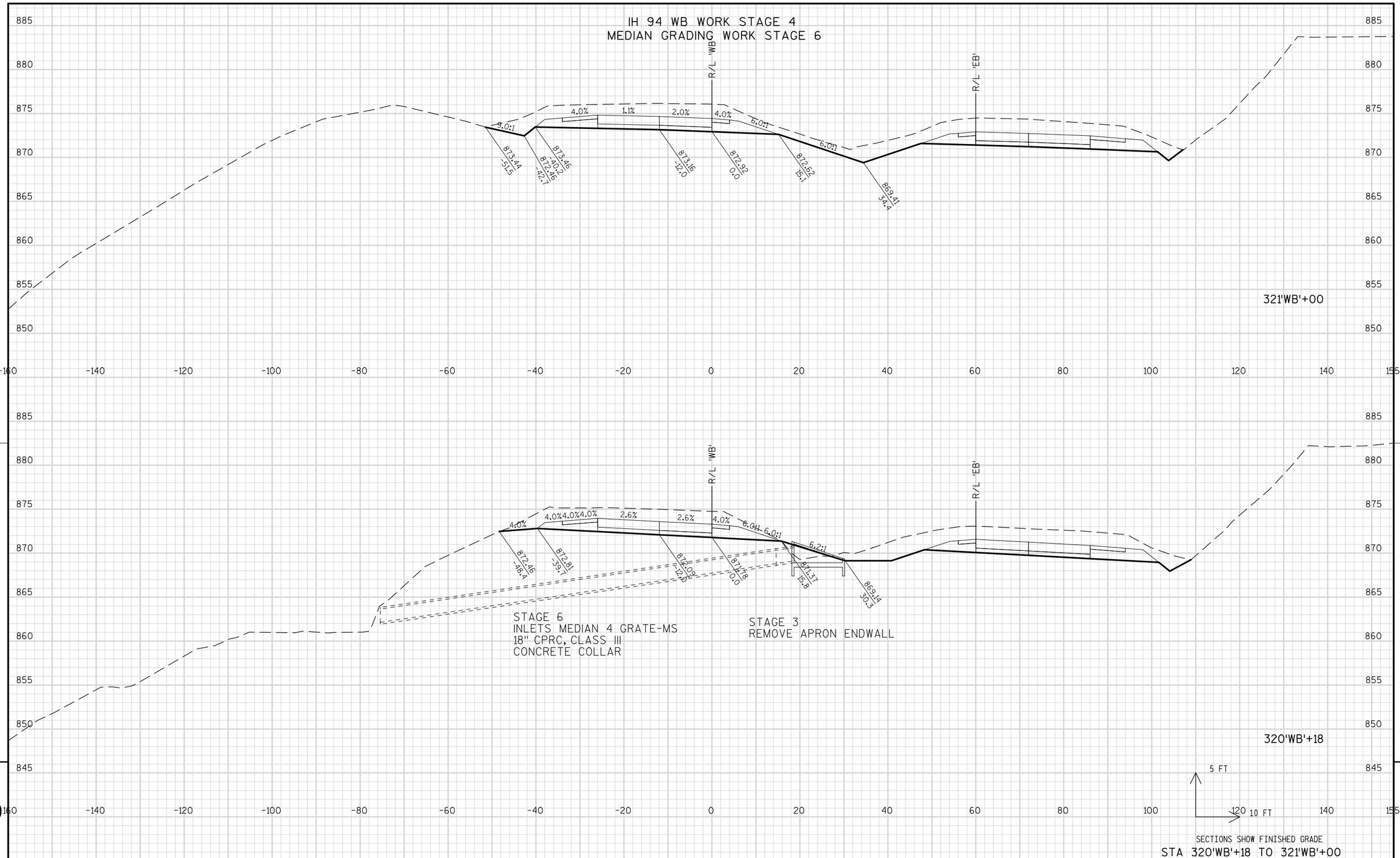
IH 94 WB WORK STAGE 4
MEDIAN GRADING WORK STAGE 6



SECTIONS SHOW FINISHED GRADE
STA 319'WB'+00 TO 320'WB'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 WB	SHEET NO: 1030 E

IH 94 WB WORK STAGE 4
MEDIAN GRADING WORK STAGE 6

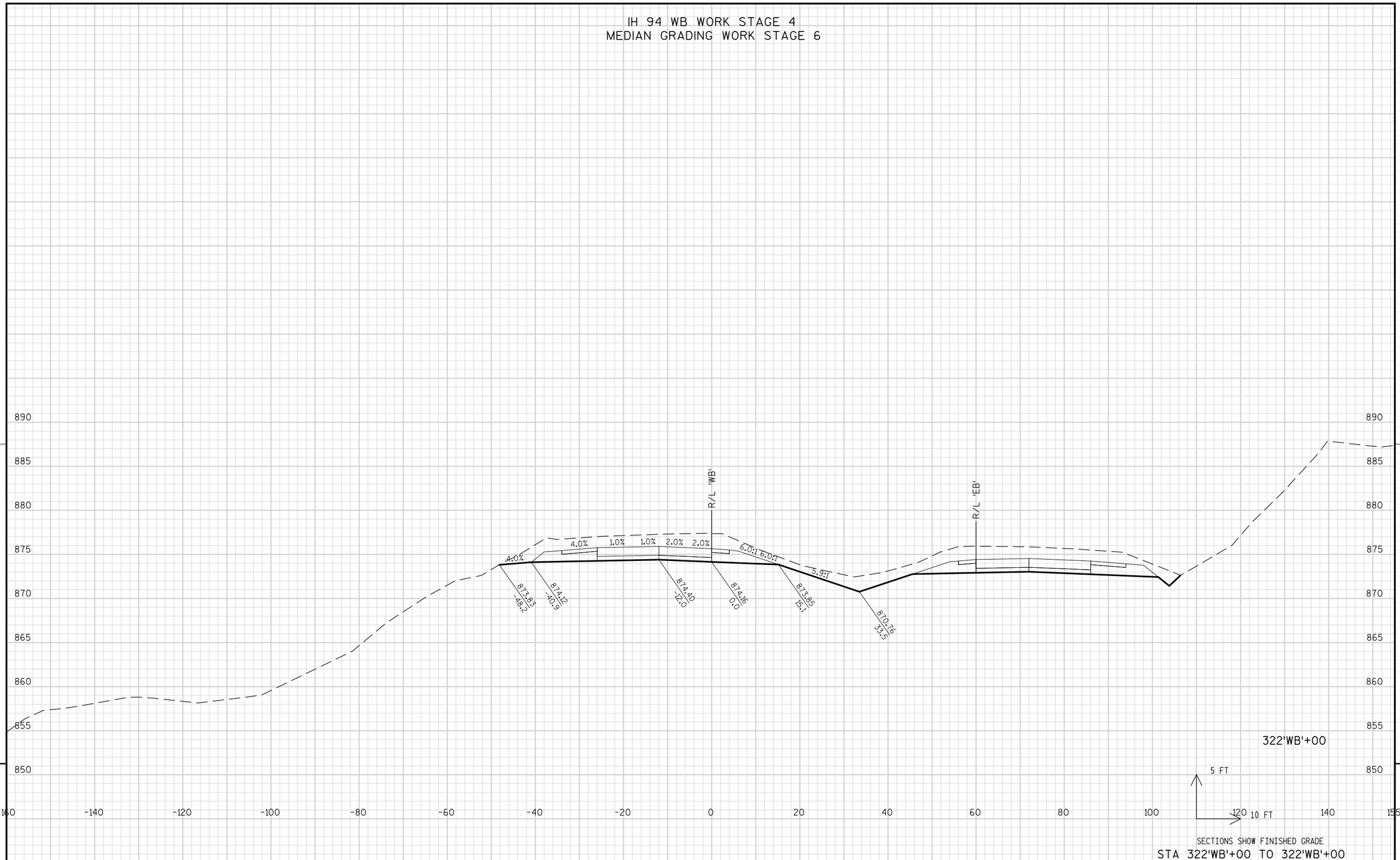


PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 WB	SHEET NO: 1031	E

FILE NAME : CH_0803_090202_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

IH 94 WB WORK STAGE 4
MEDIAN GRADING WORK STAGE 6



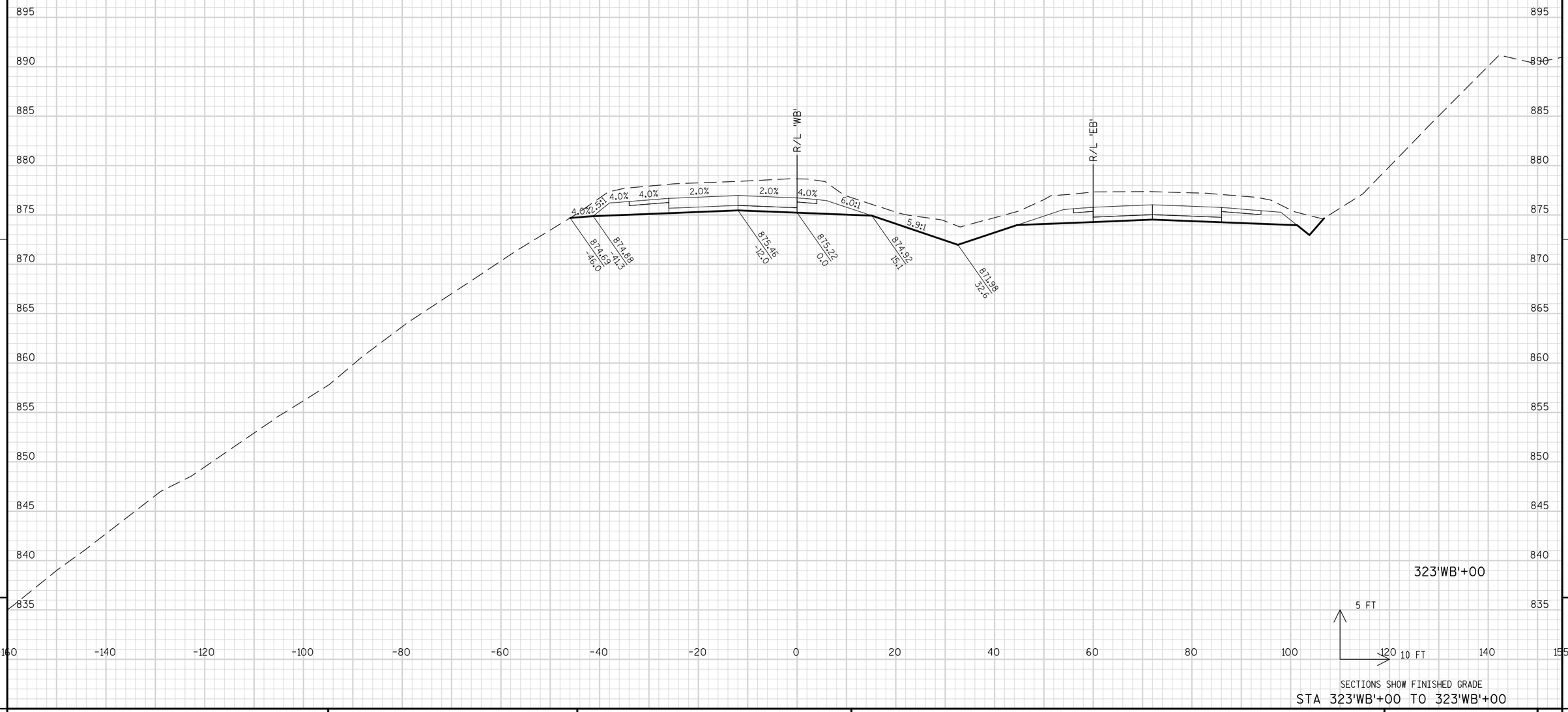
SECTIONS SHOW FINISHED GRADE
STA 322'WB'+00 TO 322'WB'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 WB	SHEET NO: 1032	E

FILE NAME : CH_0803_090202_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

IH 94 WB WORK STAGE 4
MEDIAN GRADING WORK STAGE 6



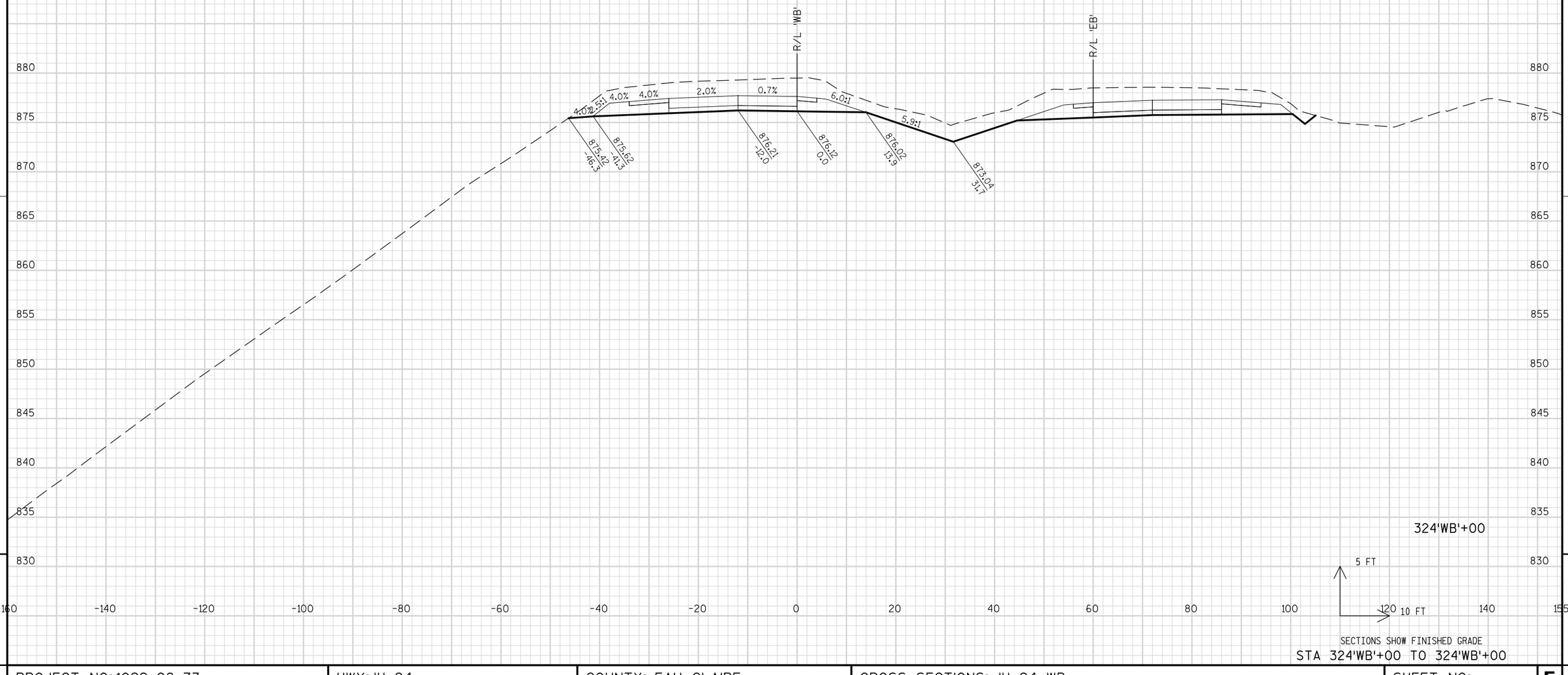
SECTIONS SHOW FINISHED GRADE
STA 323'WB'+00 TO 323'WB'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 WB	SHEET NO: 1033 E

FILE NAME : CH_0803_090202_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

IH 94 WB WORK STAGE 4
MEDIAN GRADING WORK STAGE 6



SECTIONS SHOW FINISHED GRADE

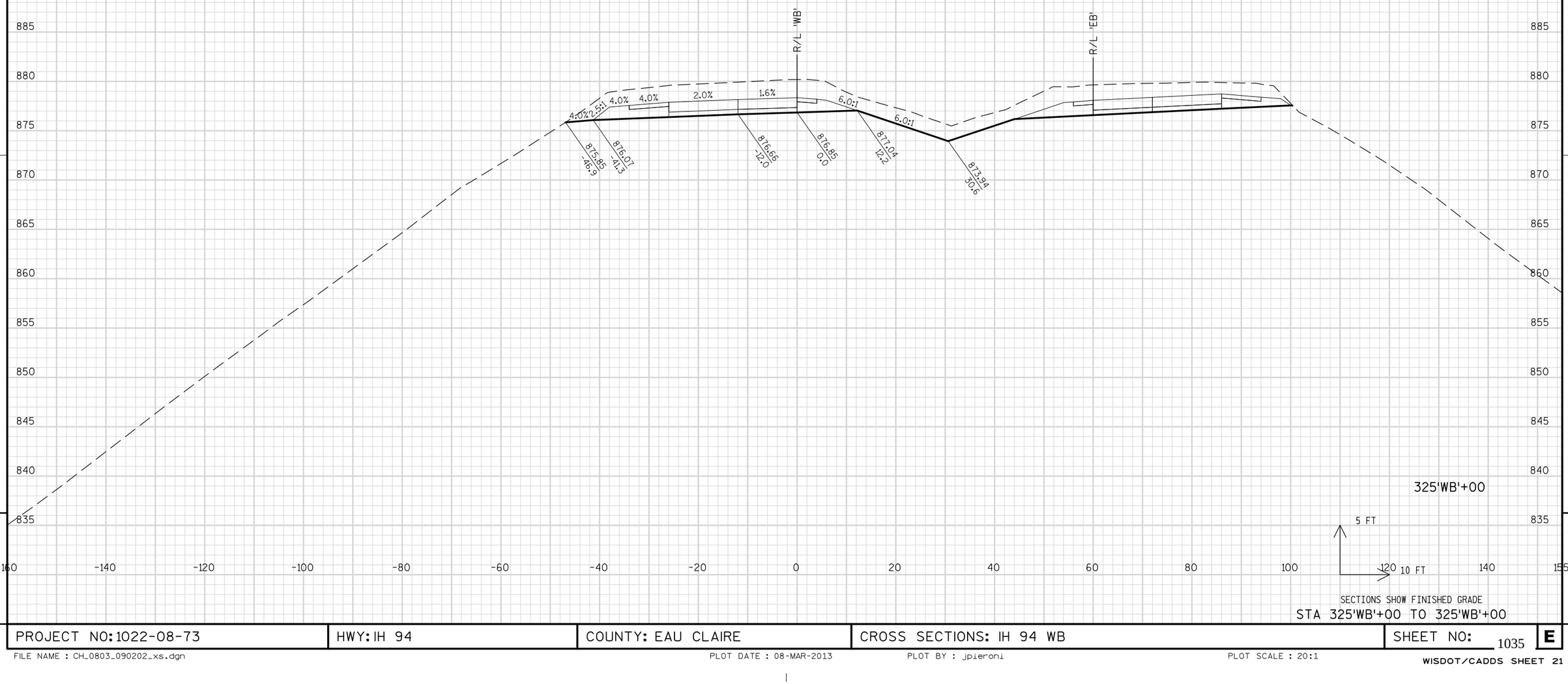
STA 324'WB'+00 TO 324'WB'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 WB	SHEET NO: 1034	E

FILE NAME : CH_0803_090202_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

IH 94 WB WORK STAGE 4
MEDIAN GRADING WORK STAGE 6



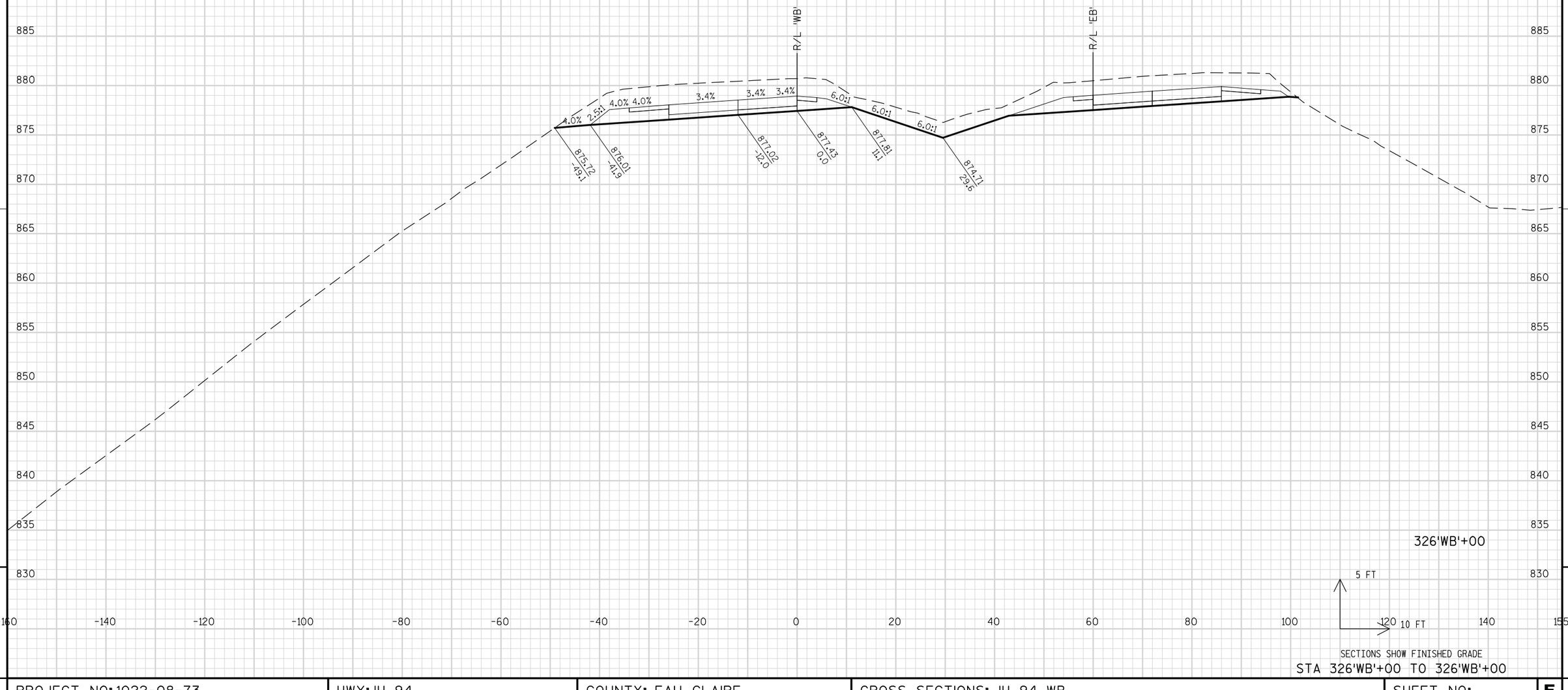
9 9

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 WB	SHEET NO: 1035	E

FILE NAME : CH_0803_090202_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

IH 94 WB WORK STAGE 4
MEDIAN GRADING WORK STAGE 6



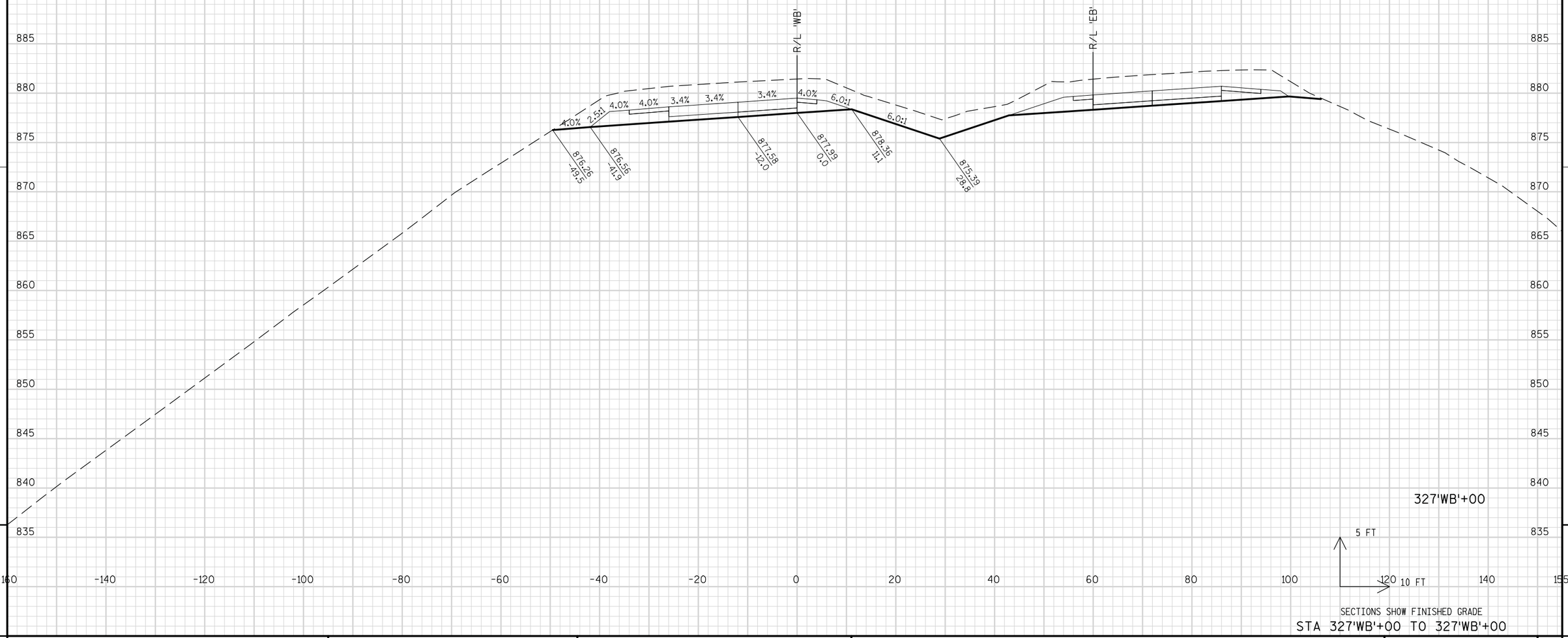
SECTIONS SHOW FINISHED GRADE
STA 326'WB'+00 TO 326'WB'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 WB	SHEET NO: 1036	E

FILE NAME : CH_0803_090202_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

IH 94 WB WORK STAGE 4
MEDIAN GRADING WORK STAGE 6



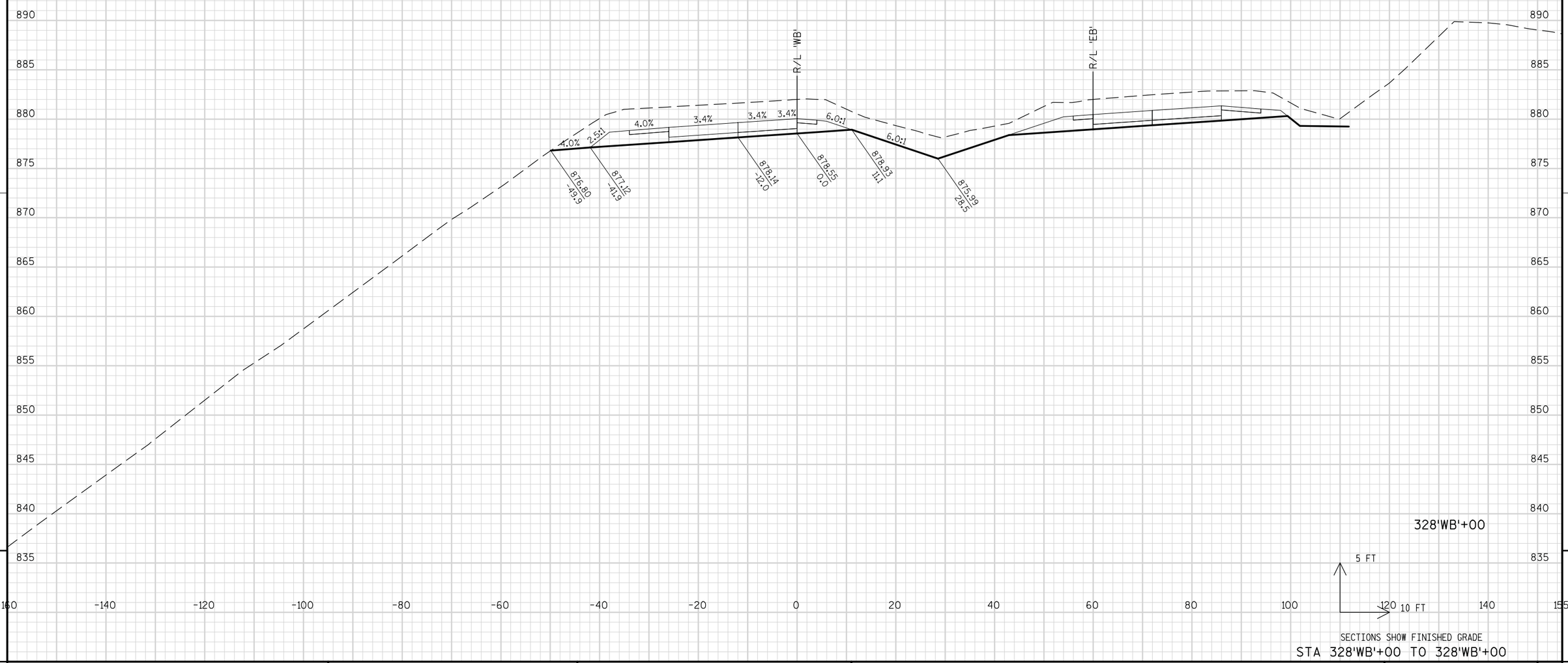
SECTIONS SHOW FINISHED GRADE
STA 327'WB'+00 TO 327'WB'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 WB	SHEET NO: 1037	E

FILE NAME : CH_0803_090202_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

IH 94 WB WORK STAGE 4
MEDIAN GRADING WORK STAGE 6



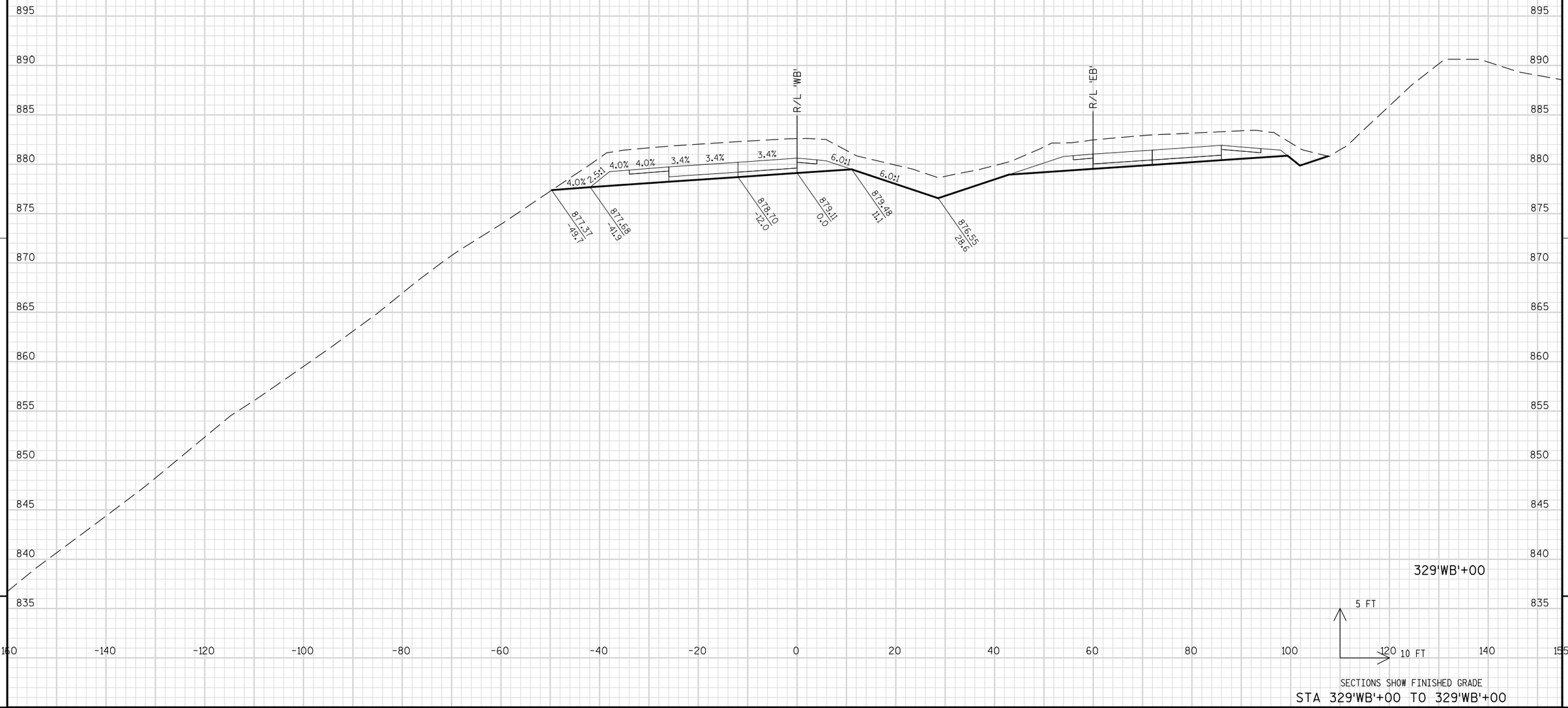
SECTIONS SHOW FINISHED GRADE
STA 328'WB'+00 TO 328'WB'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 WB	SHEET NO: 1038 E

FILE NAME : CH_0803_090202_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

IH 94 WB WORK STAGE 4
MEDIAN GRADING WORK STAGE 6



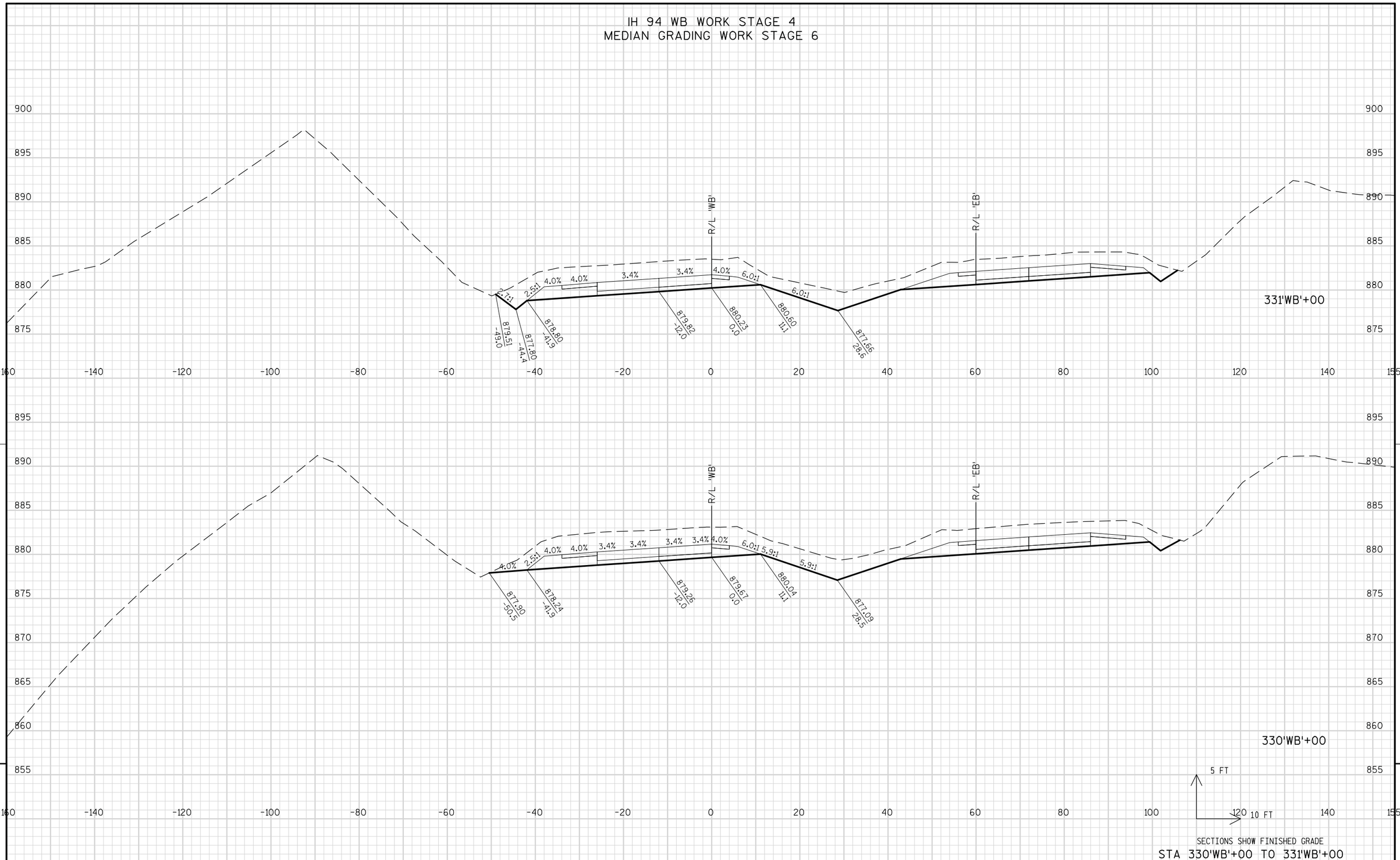
9 9

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 WB	SHEET NO: 1039 E

FILE NAME : CH_0803_090202_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

IH 94 WB WORK STAGE 4
MEDIAN GRADING WORK STAGE 6

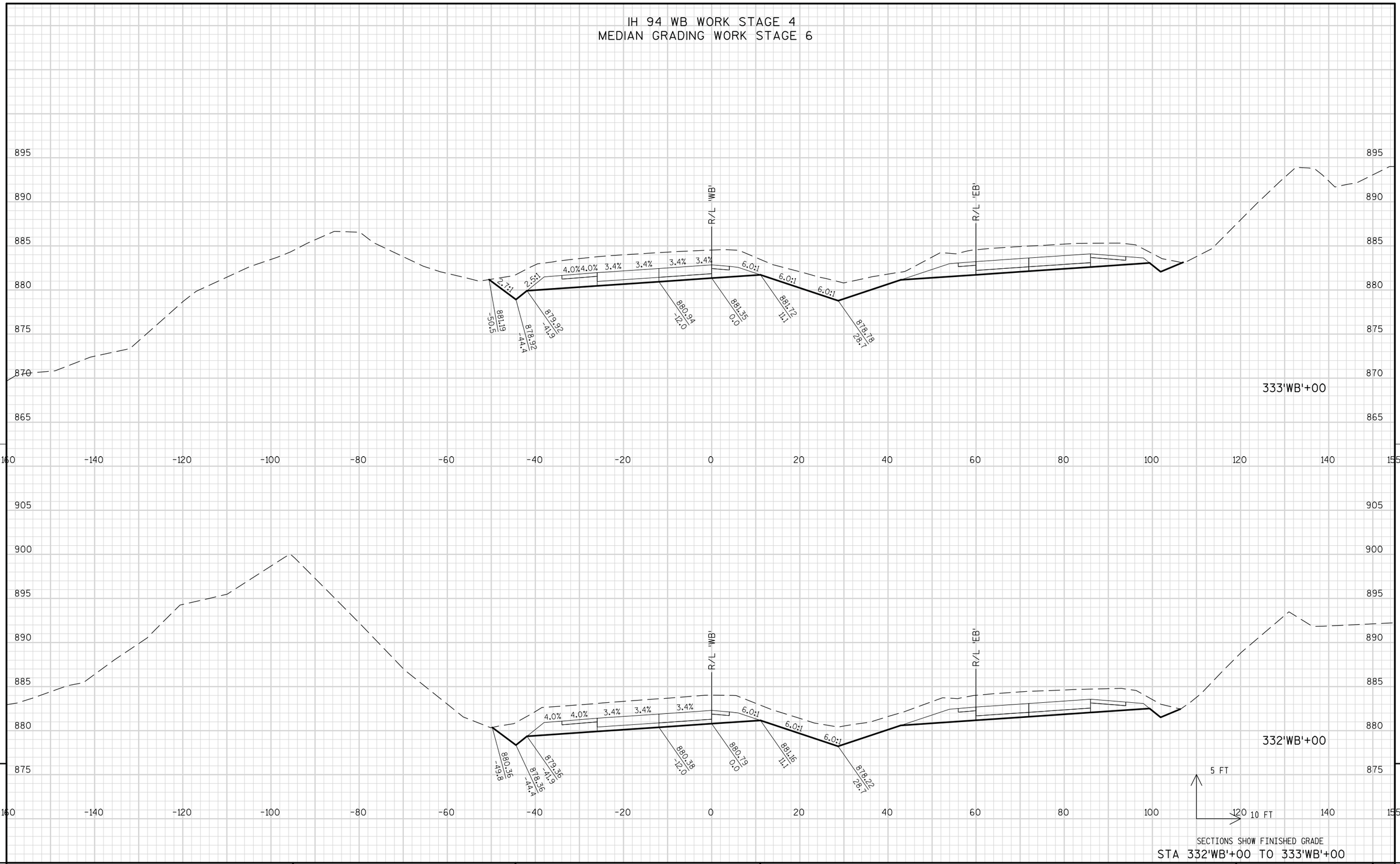


PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 WB	SHEET NO: 1040	E

FILE NAME : CH_0803_090202_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

IH 94 WB WORK STAGE 4
MEDIAN GRADING WORK STAGE 6

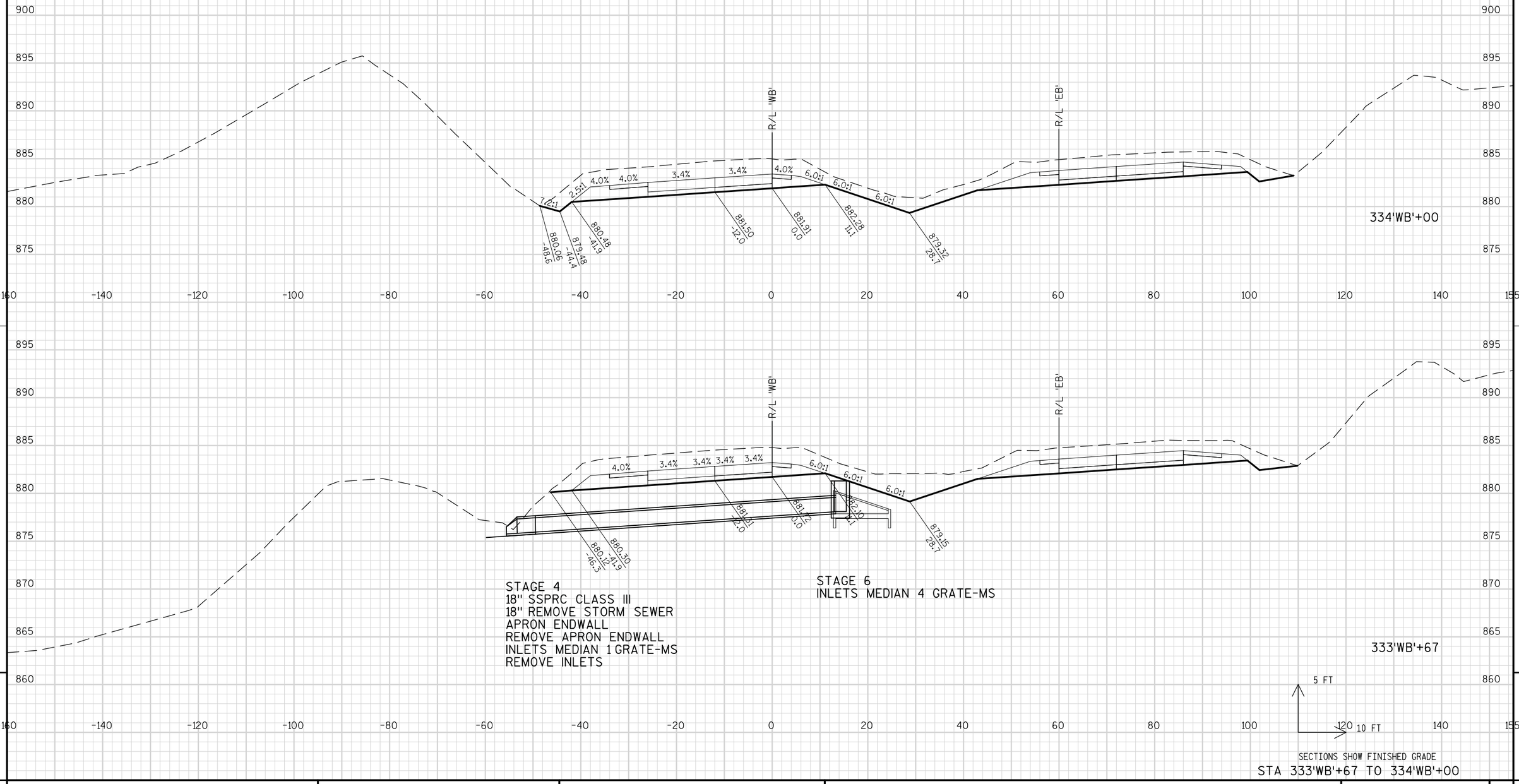


PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 WB	SHEET NO: 1041 E

FILE NAME : CH_0803_090202_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

IH 94 WB WORK STAGE 4
MEDIAN GRADING WORK STAGE 6



STAGE 4
18" SSPRC CLASS III
18" REMOVE STORM SEWER
APRON ENDWALL
REMOVE APRON ENDWALL
INLETS MEDIAN 1 GRATE-MS
REMOVE INLETS

STAGE 6
INLETS MEDIAN 4 GRATE-MS

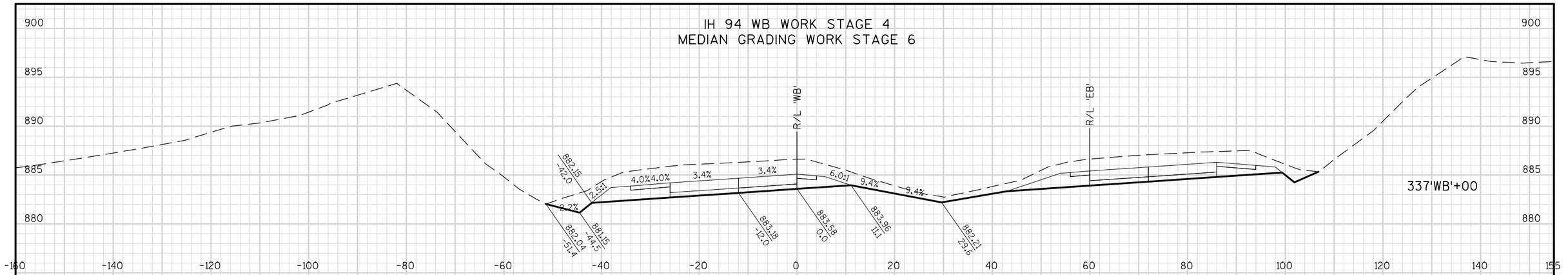
SECTIONS SHOW FINISHED GRADE
STA 333'WB'+67 TO 334'WB'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 WB	SHEET NO: 1042	E

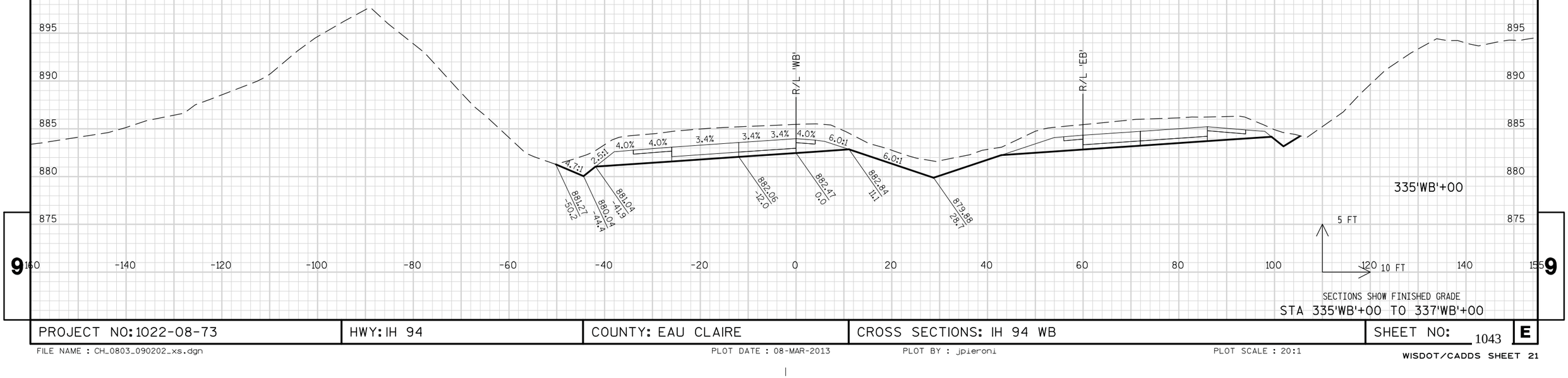
FILE NAME : CH_0803_090202_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

IH 94 WB WORK STAGE 4
MEDIAN GRADING WORK STAGE 6







SECTIONS SHOW FINISHED GRADE

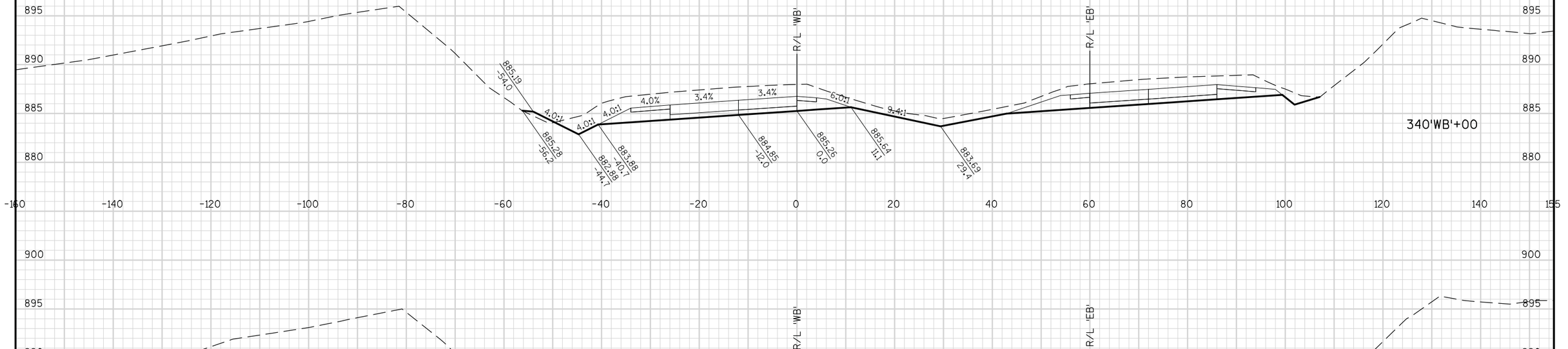
STA 335'WB'+00 TO 337'WB'+00

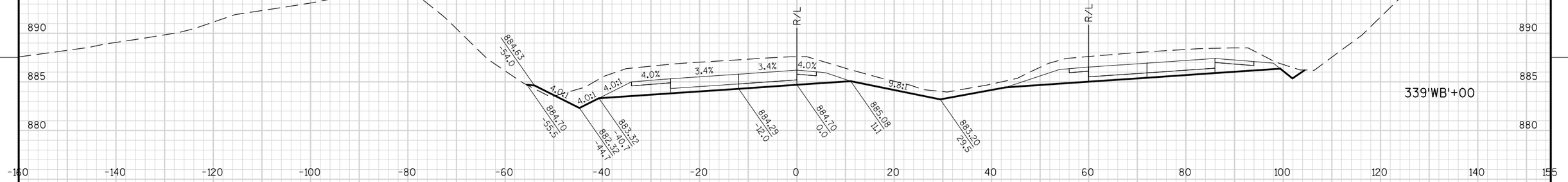
PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 WB	SHEET NO: 1043 E

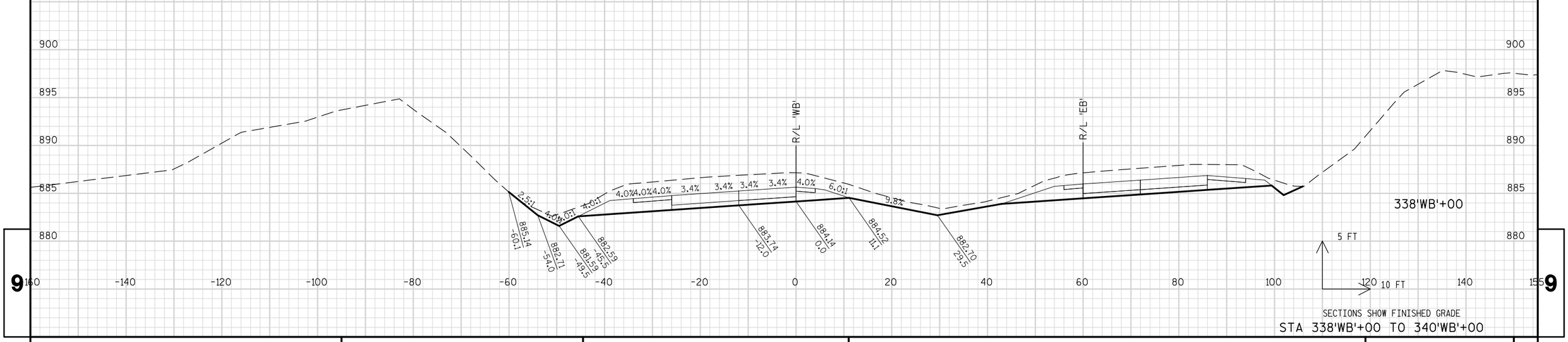
FILE NAME : CH_0803_090202_xs.dgn | PLOT DATE : 08-MAR-2013 | PLOT BY : jpieroni | PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

IH 94 WB WORK STAGE 4
MEDIAN GRADING WORK STAGE 6







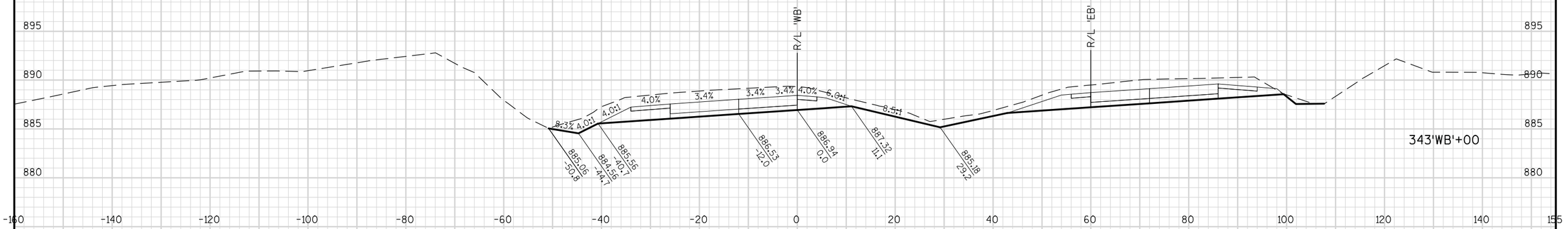
SECTIONS SHOW FINISHED GRADE
STA 338'WB'+00 TO 340'WB'+00

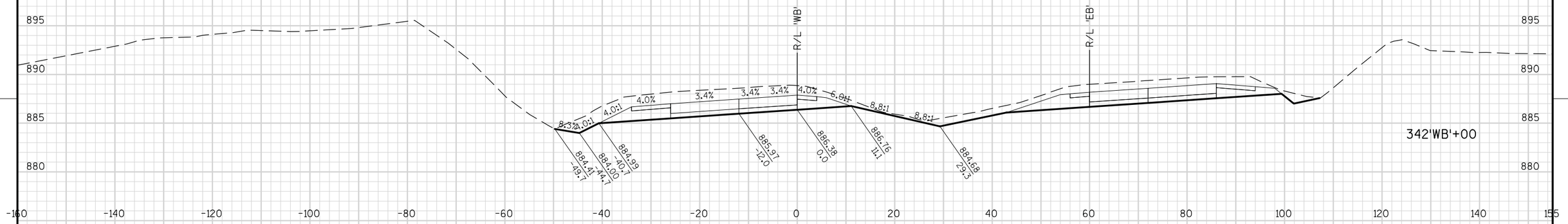
PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 WB	SHEET NO: 1044	E

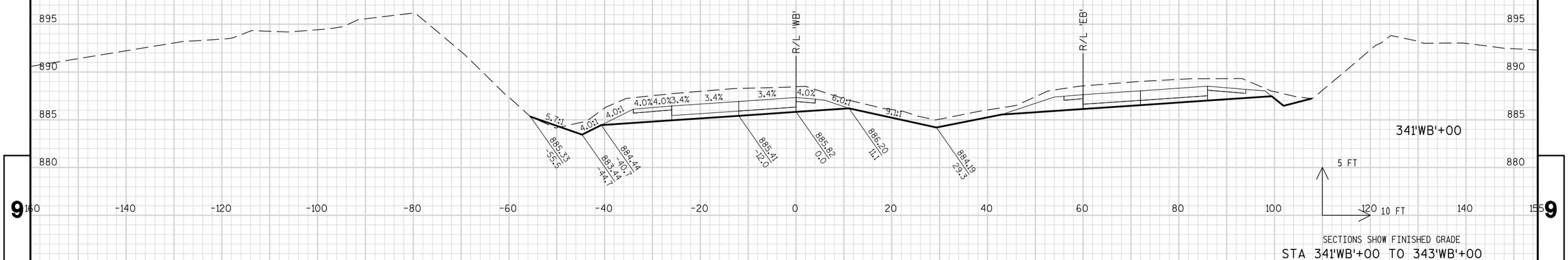
FILE NAME : CH_0803_090202_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

IH 94 WB WORK STAGE 4
MEDIAN GRADING WORK STAGE 6







SECTIONS SHOW FINISHED GRADE

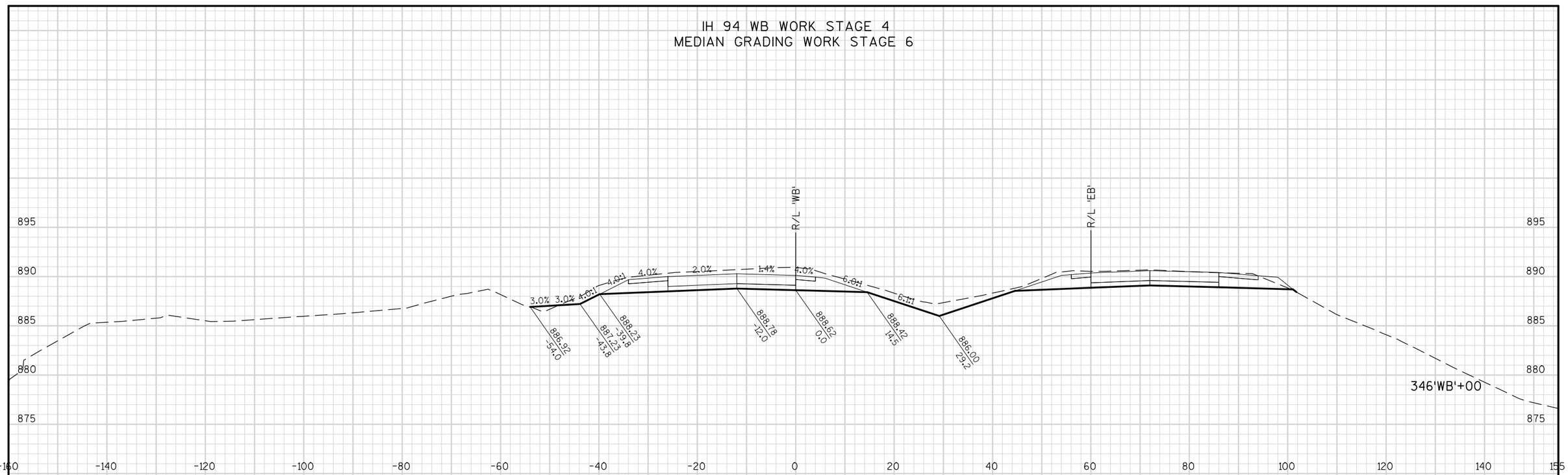
STA 341'WB'+00 TO 343'WB'+00

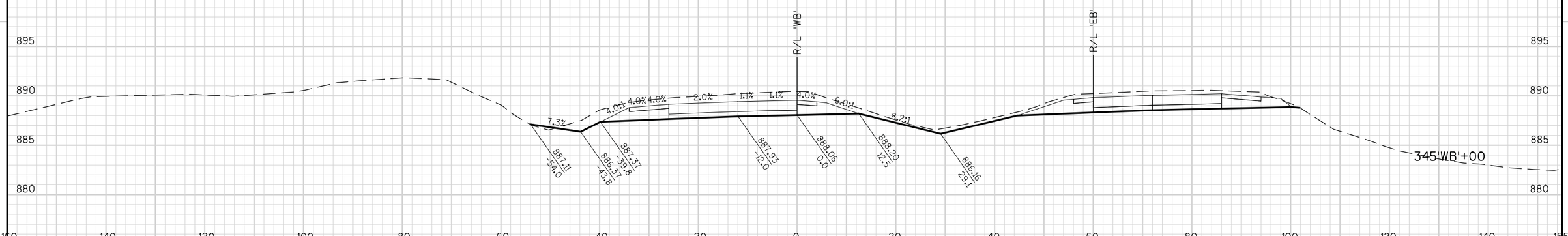
PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 WB	SHEET NO: 1045	E

FILE NAME : CH_0803_090202_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

IH 94 WB WORK STAGE 4
MEDIAN GRADING WORK STAGE 6





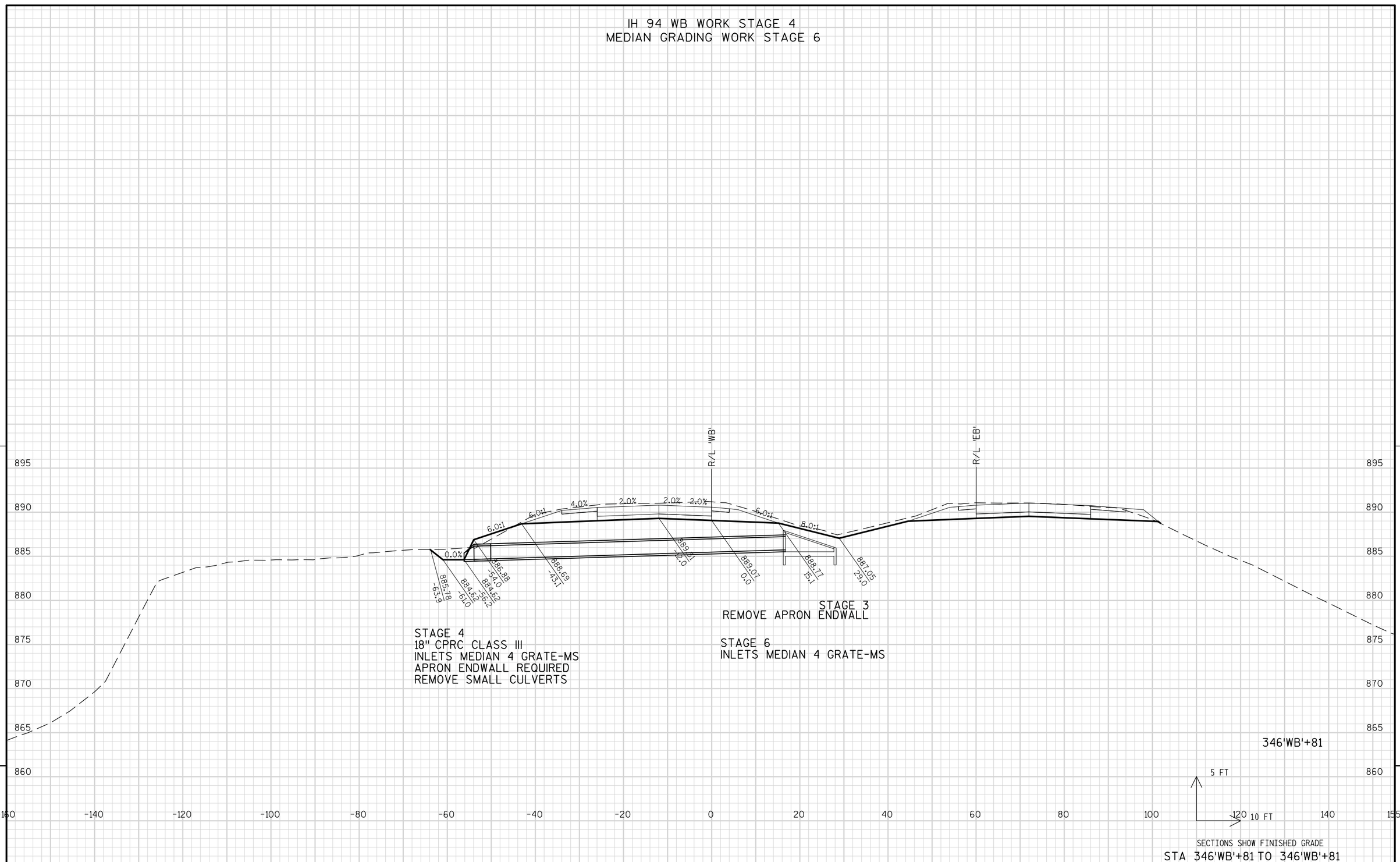
SECTIONS SHOW FINISHED GRADE
STA 344'WB'+00 TO 346'WB'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 WB	SHEET NO: 1046	E

FILE NAME : CH_0803_090202_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

IH 94 WB WORK STAGE 4
MEDIAN GRADING WORK STAGE 6



STAGE 4
18" CPRC CLASS III
INLETS MEDIAN 4 GRATE-MS
APRON ENDWALL REQUIRED
REMOVE SMALL CULVERTS

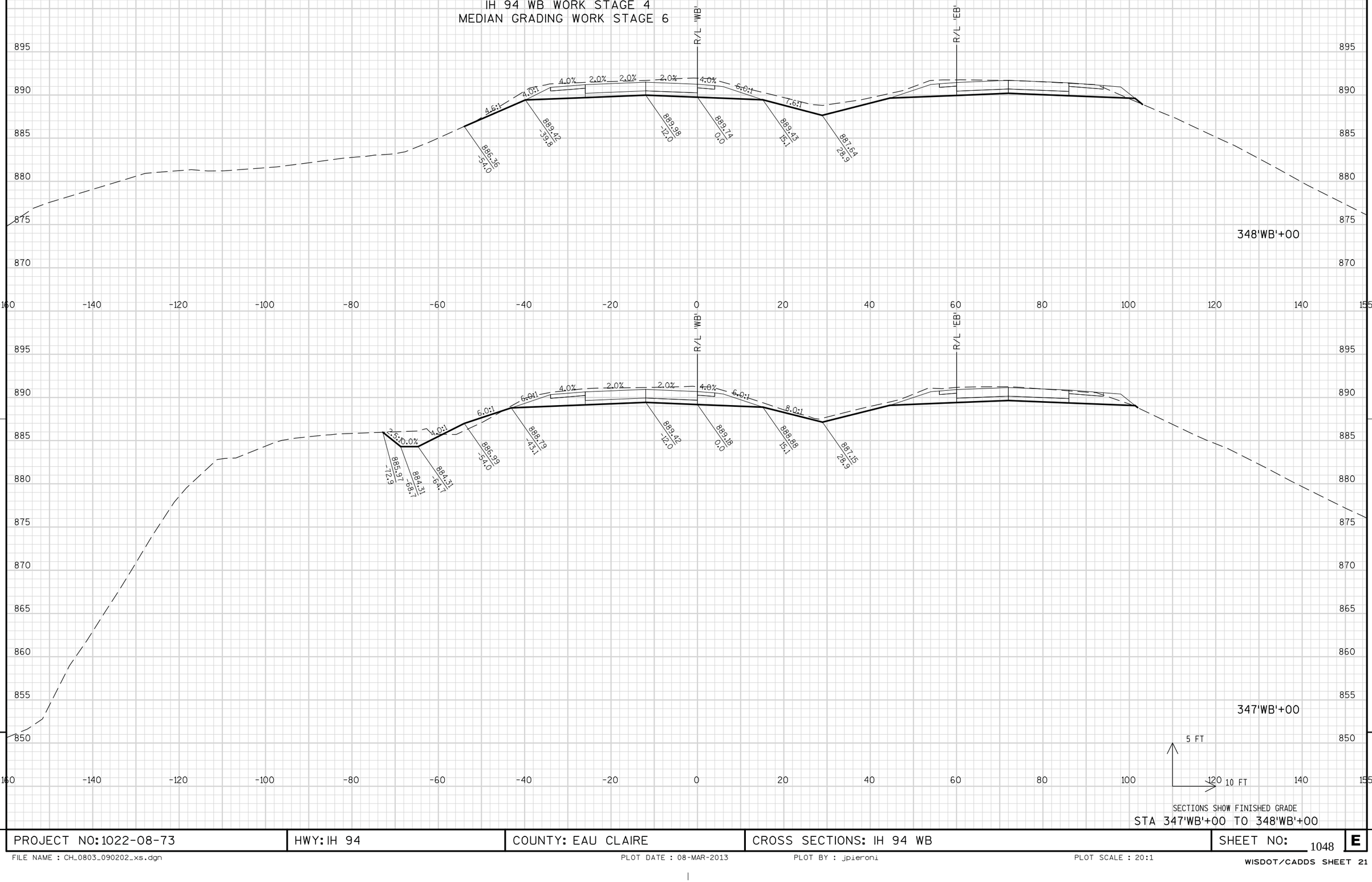
STAGE 3
REMOVE APRON ENDWALL

STAGE 6
INLETS MEDIAN 4 GRATE-MS

SECTIONS SHOW FINISHED GRADE
STA 346'WB'+81 TO 346'WB'+81

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 WB	SHEET NO: 1047	E

IH 94 WB WORK STAGE 4
MEDIAN GRADING WORK STAGE 6

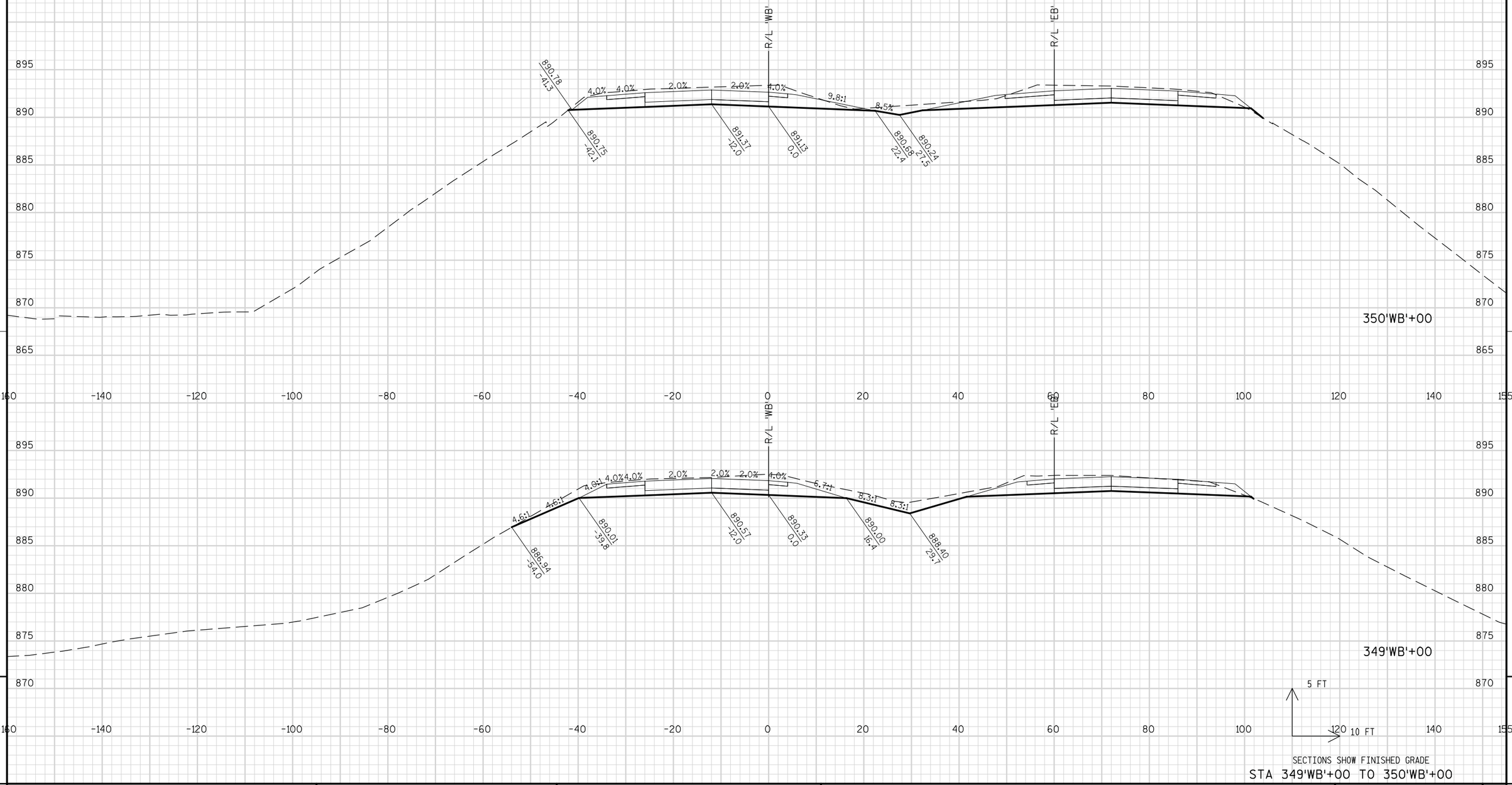


PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 WB	SHEET NO: 1048 E

FILE NAME : CH_0803_090202_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

IH 94 WB WORK STAGE 4
MEDIAN GRADING WORK STAGE 6

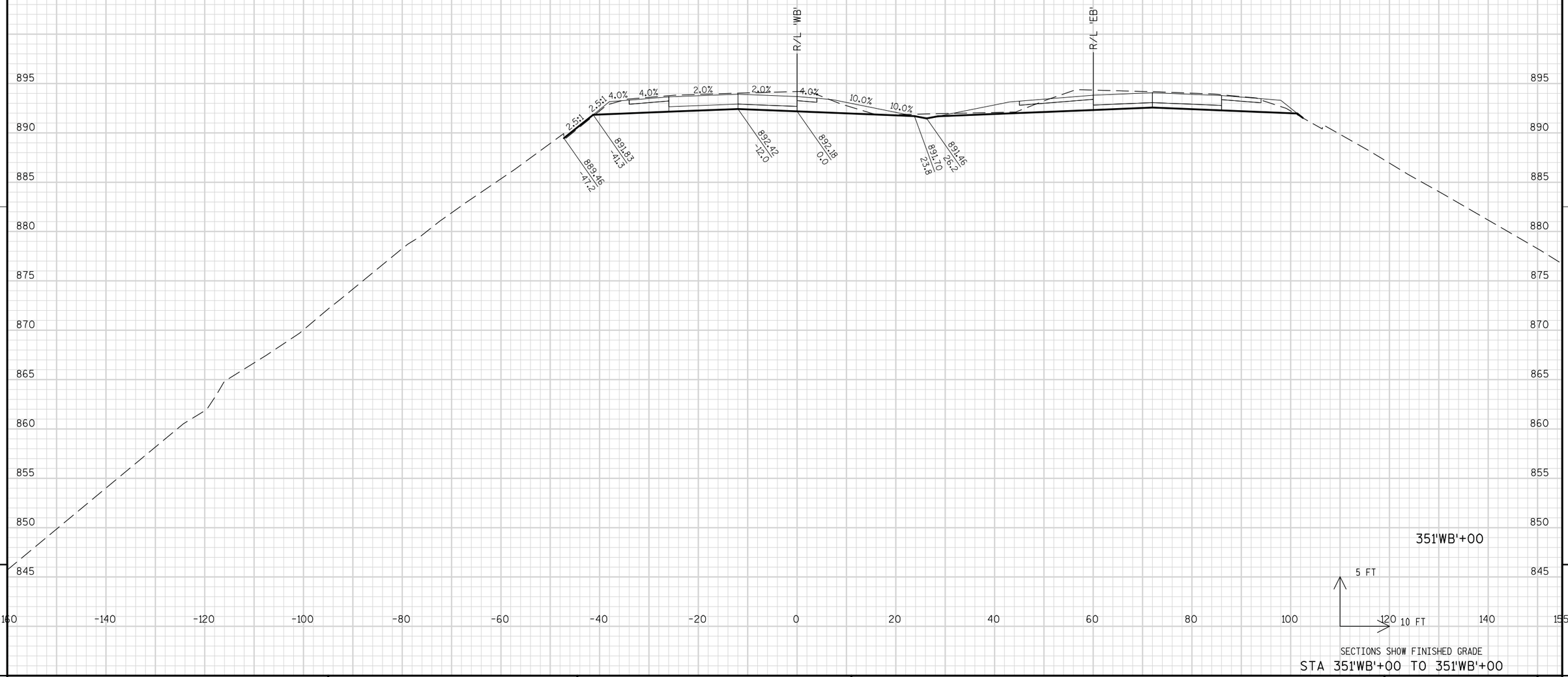


PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 WB	SHEET NO: 1049 E

FILE NAME : CH_0803_090202_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

IH 94 WB WORK STAGE 4
MEDIAN GRADING WORK STAGE 6



351'WB'+00

5 FT
10 FT

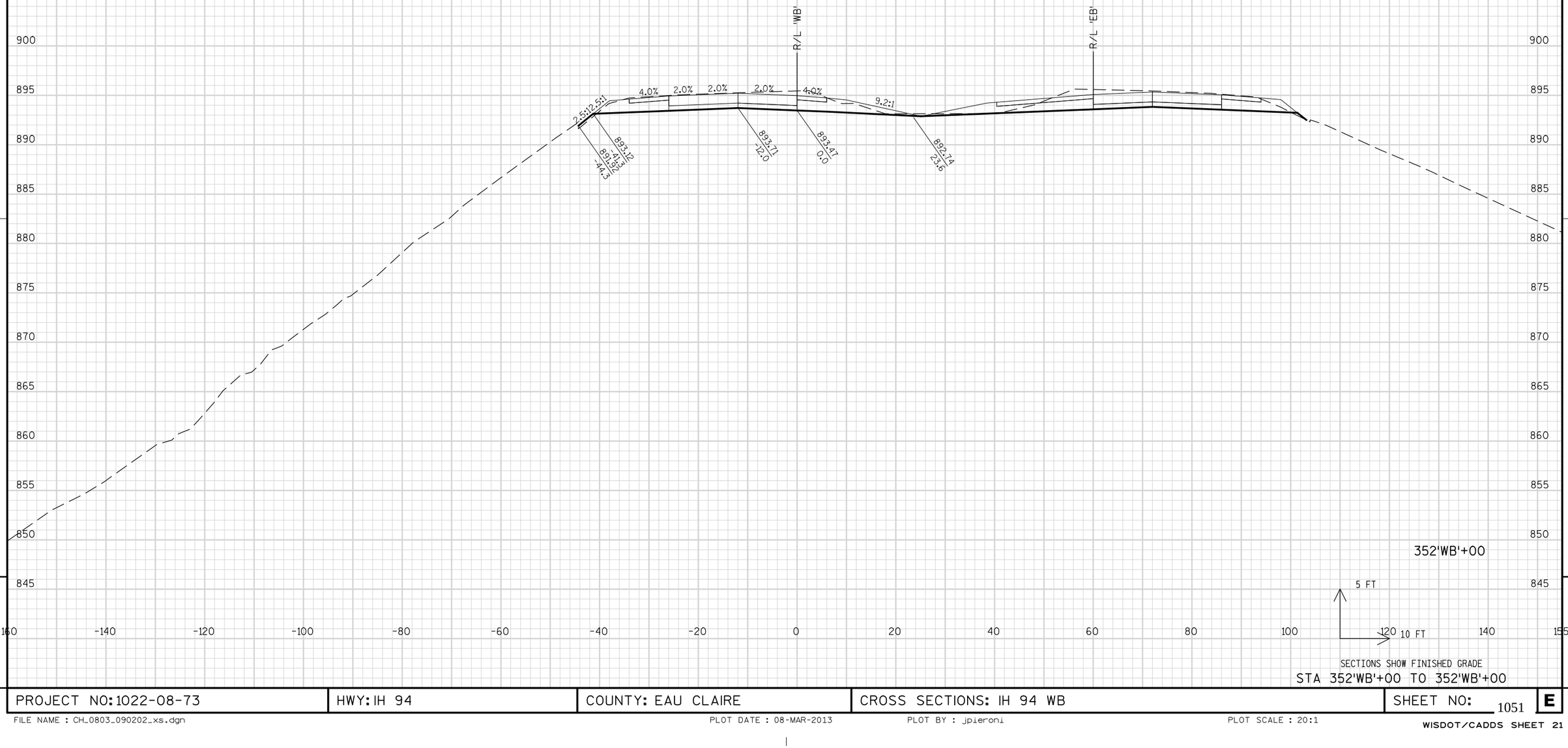
SECTIONS SHOW FINISHED GRADE
STA 351'WB'+00 TO 351'WB'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 WB	SHEET NO: 1050 E

FILE NAME : CH_0803_090202_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

IH 94 WB WORK STAGE 4
MEDIAN GRADING WORK STAGE 6

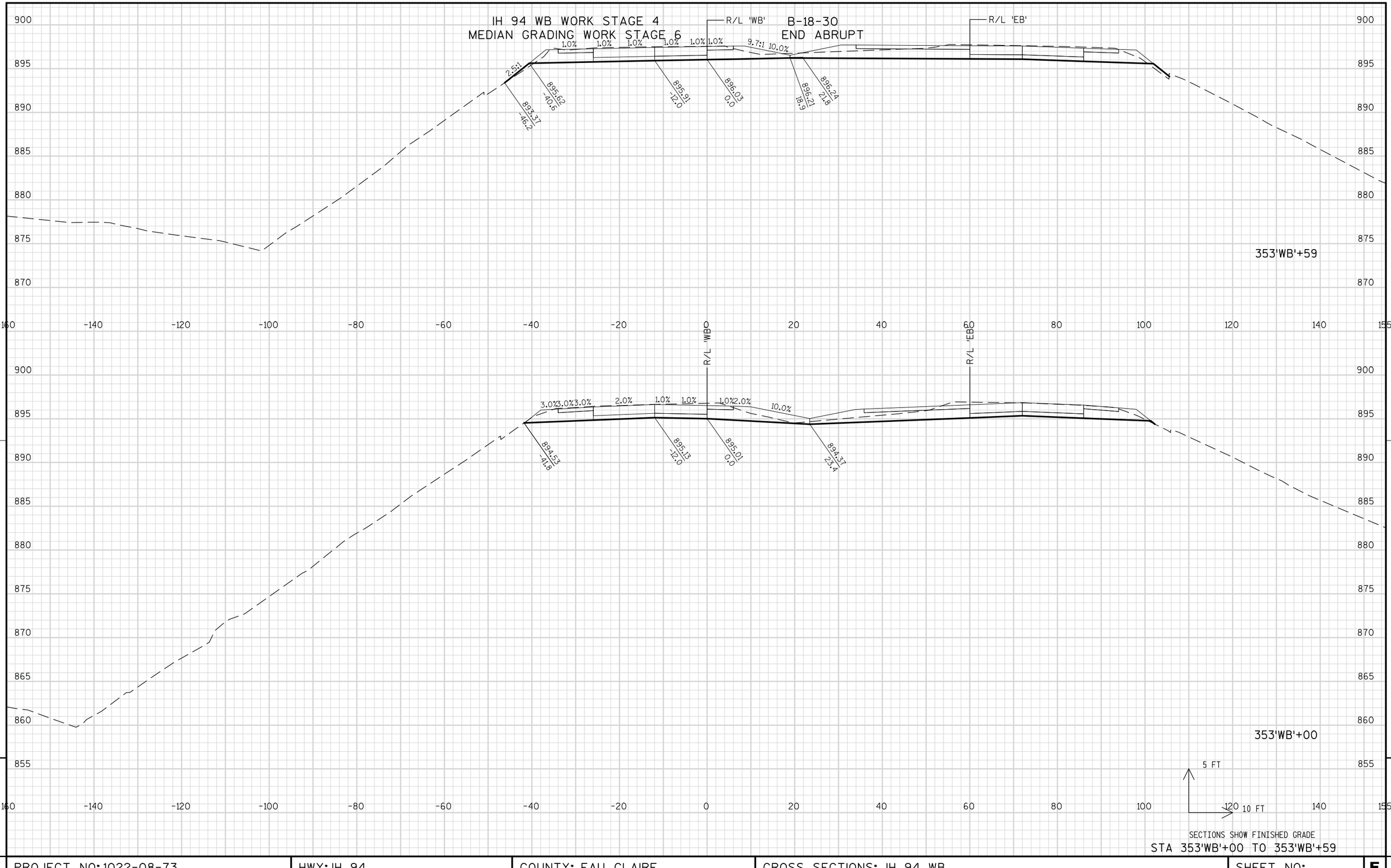


SECTIONS SHOW FINISHED GRADE
STA 352'WB'+00 TO 352'WB'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 WB	SHEET NO: 1051	E

FILE NAME : CH_0803_090202_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

IH 94 WB WORK STAGE 4
MEDIAN GRADING WORK STAGE 6



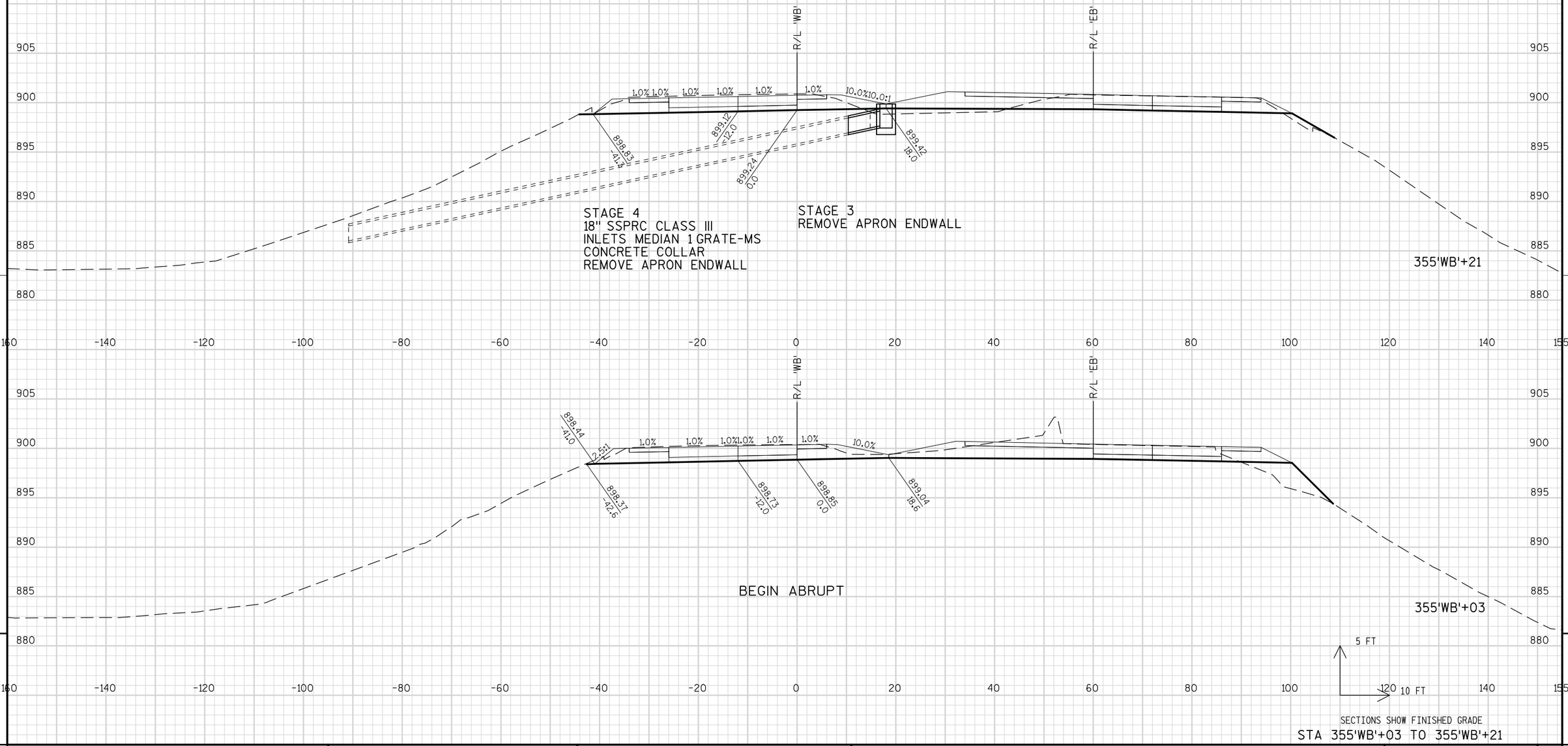
SECTIONS SHOW FINISHED GRADE
STA 353'WB'+00 TO 353'WB'+59

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 WB	SHEET NO: 1052	E

FILE NAME : CH_0803_090202_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

IH 94 WB WORK STAGE 4
MEDIAN GRADING WORK STAGE 6

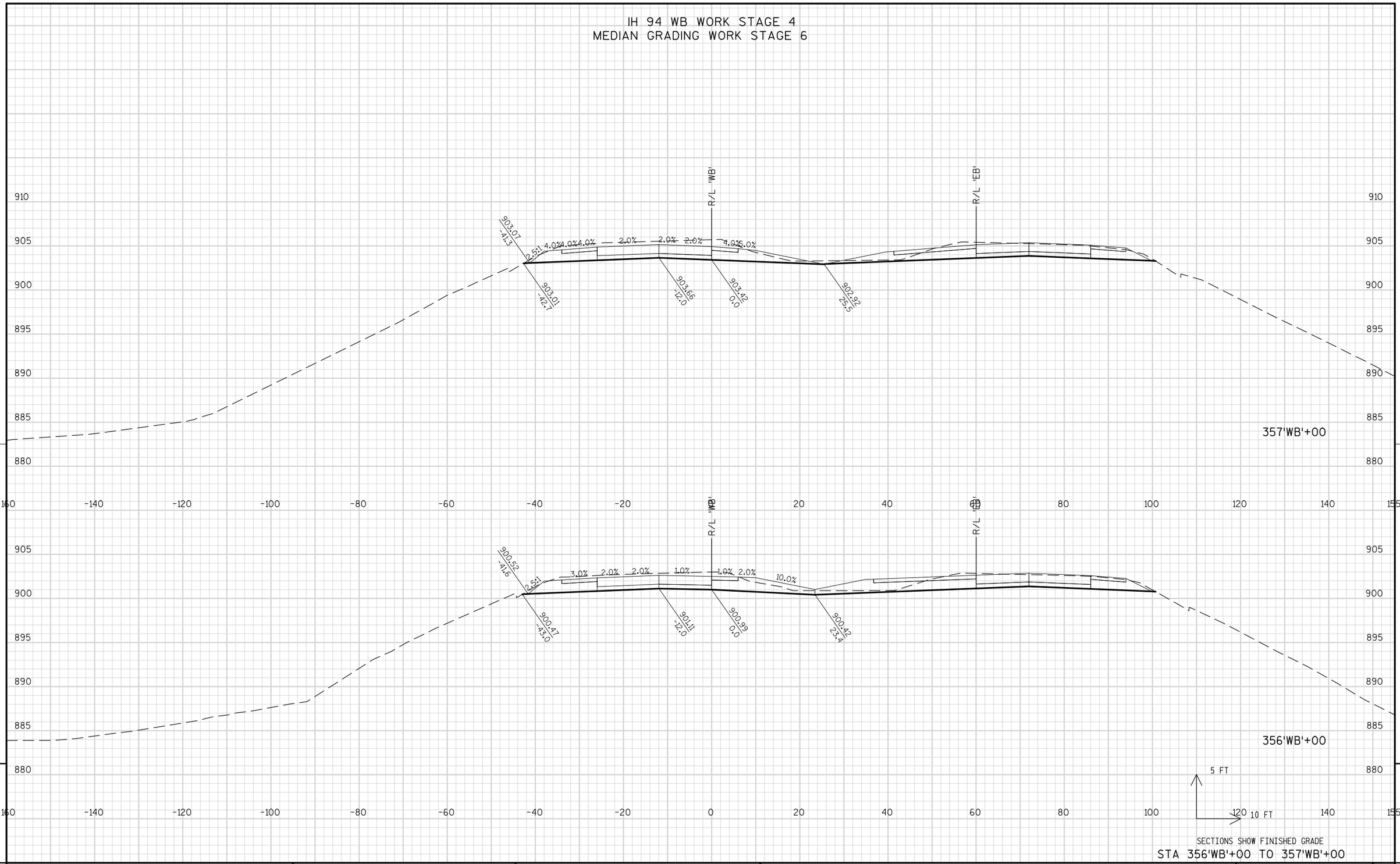


PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 WB	SHEET NO: 1053	E

FILE NAME : CH_0803_090202_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

IH 94 WB WORK STAGE 4
MEDIAN GRADING WORK STAGE 6

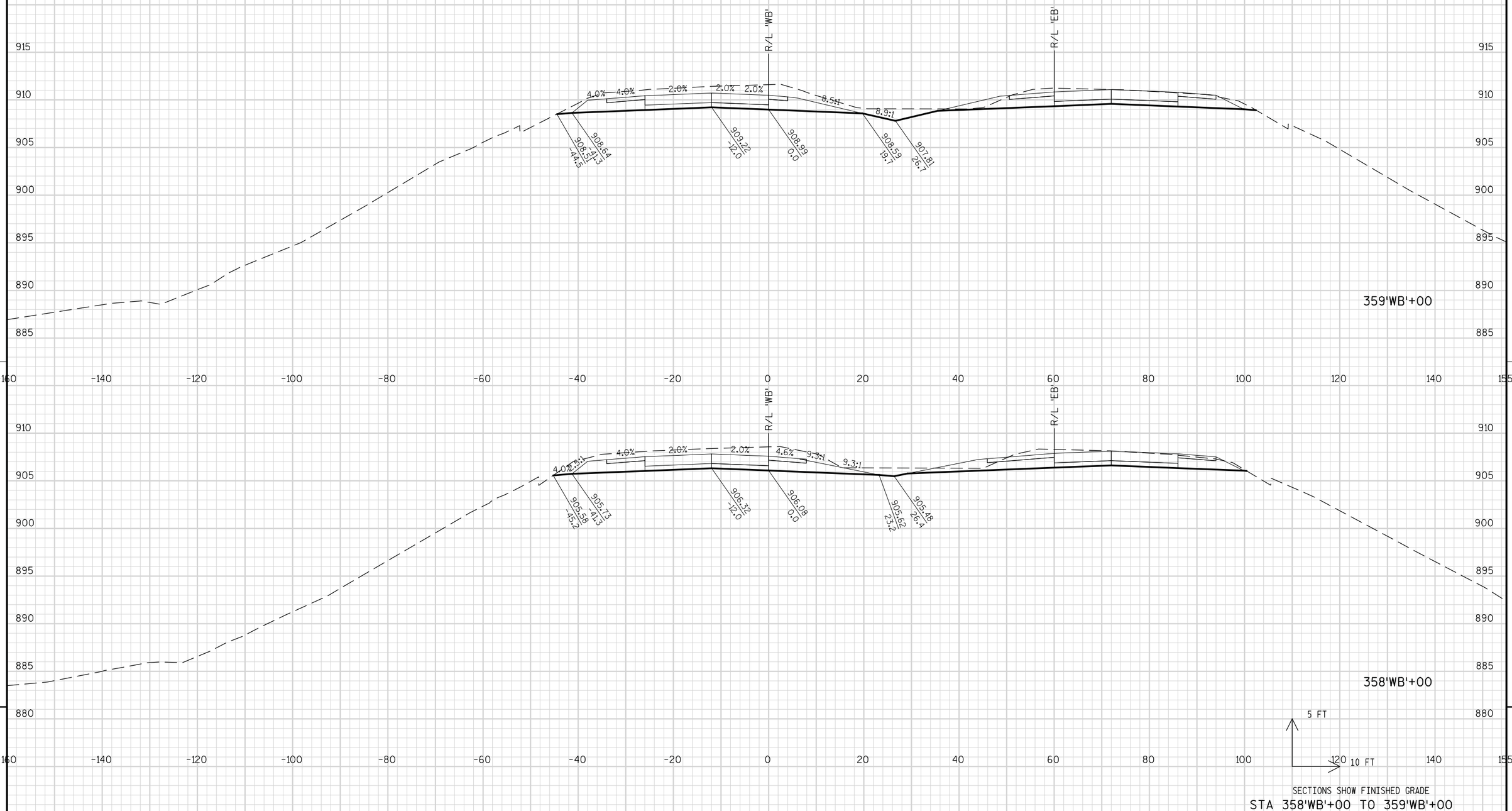


SECTIONS SHOW FINISHED GRADE
STA 356'WB'+00 TO 357'WB'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 WB	SHEET NO: 1054 E

FILE NAME : CH_0803_090202_xs.dgn | PLOT DATE : 08-MAR-2013 | PLOT BY : jpieroni | PLOT SCALE : 20:1

IH 94 WB WORK STAGE 4
MEDIAN GRADING WORK STAGE 6



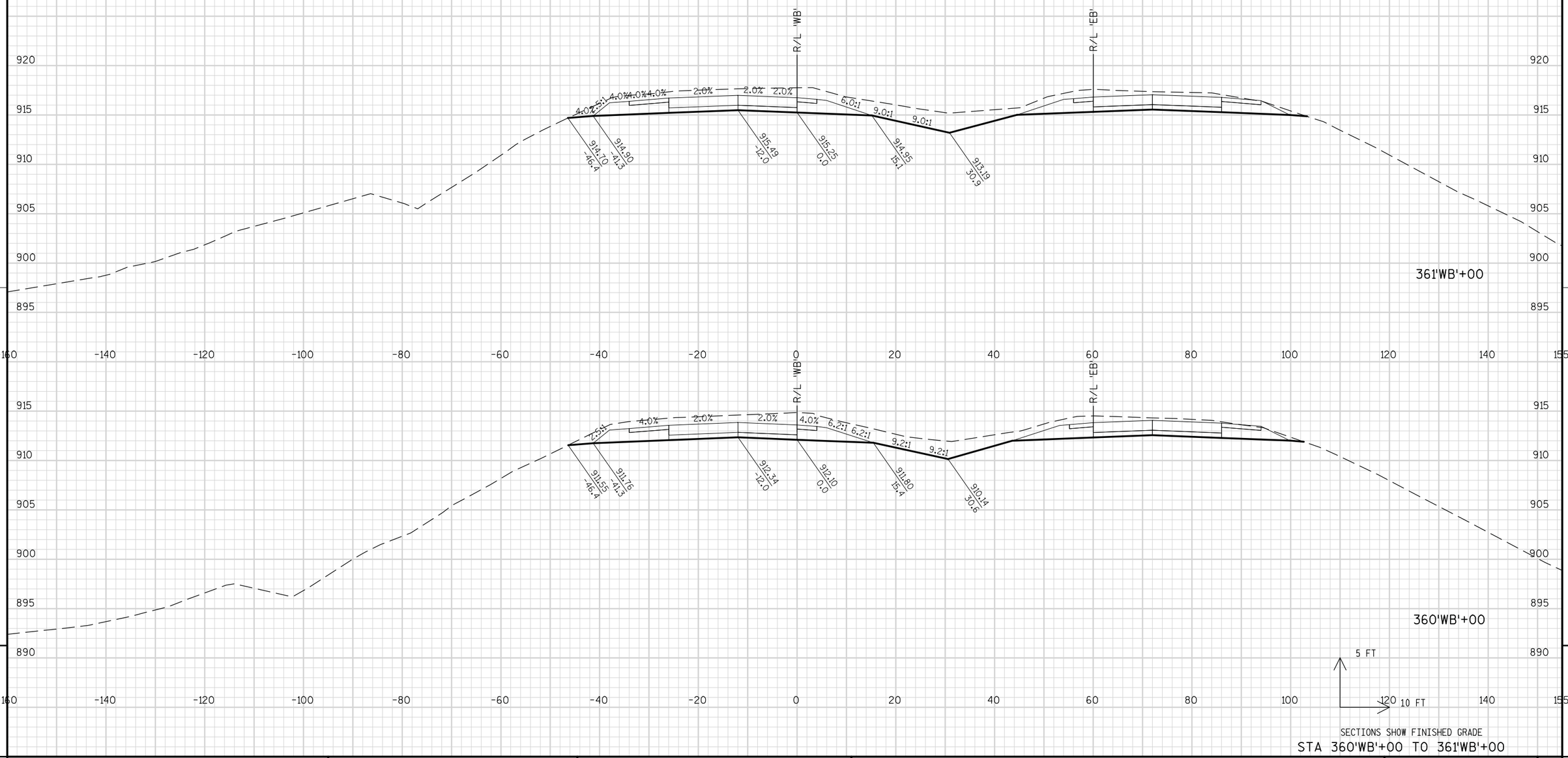
SECTIONS SHOW FINISHED GRADE
STA 358'WB'+00 TO 359'WB'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 WB	SHEET NO: 1055	E

FILE NAME : CH_0803_090202_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

IH 94 WB WORK STAGE 4
MEDIAN GRADING WORK STAGE 6

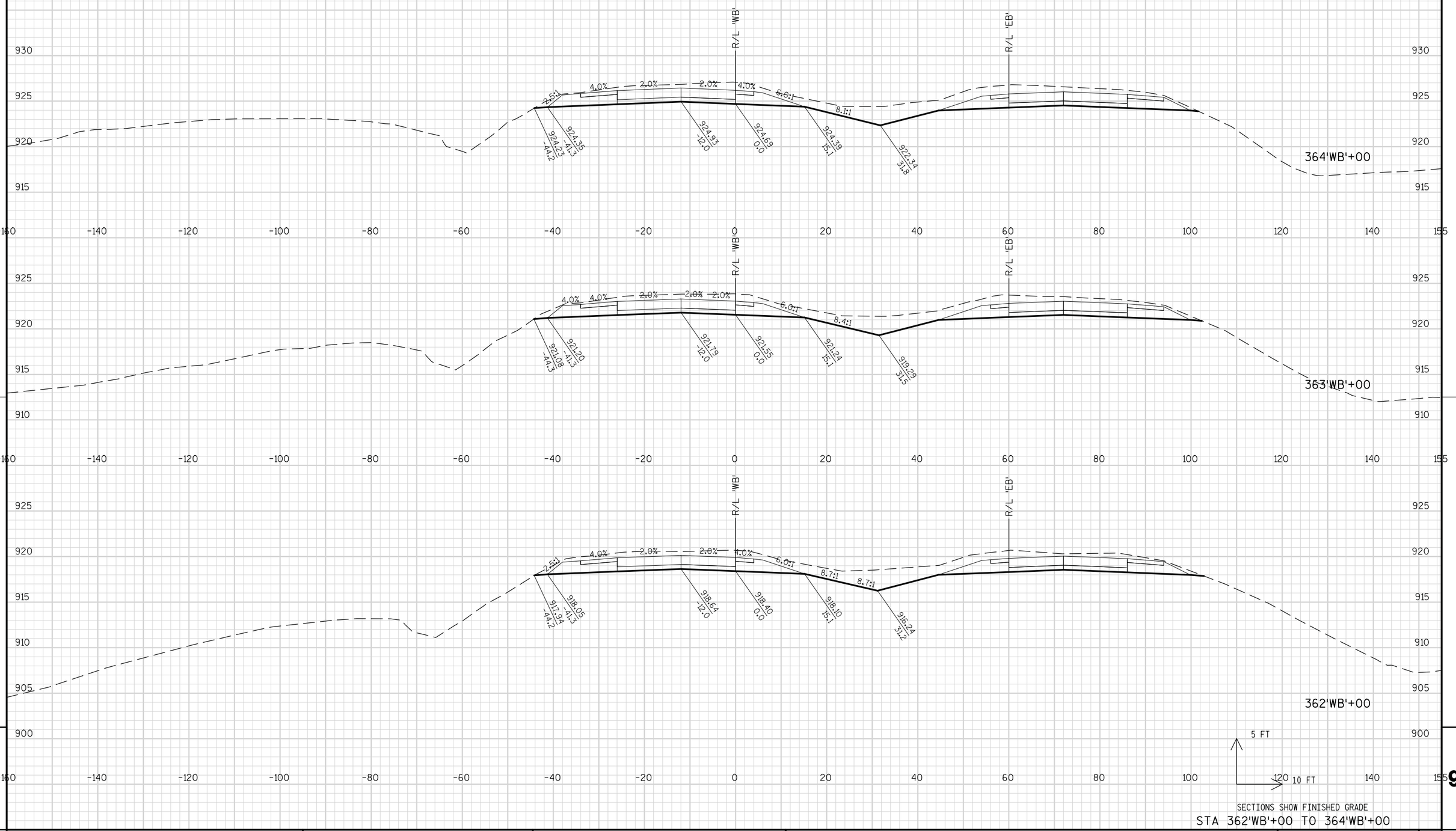


PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 WB	SHEET NO: 1056 E

FILE NAME : CH_0803_090202_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

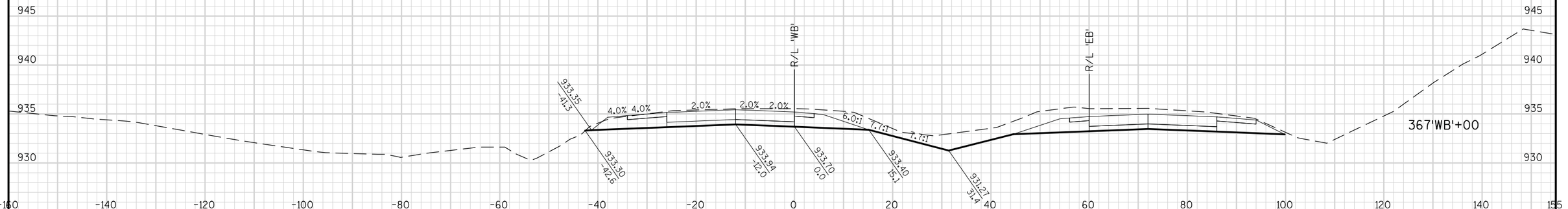
IH 94 WB WORK STAGE 4
MEDIAN GRADING WORK STAGE 6

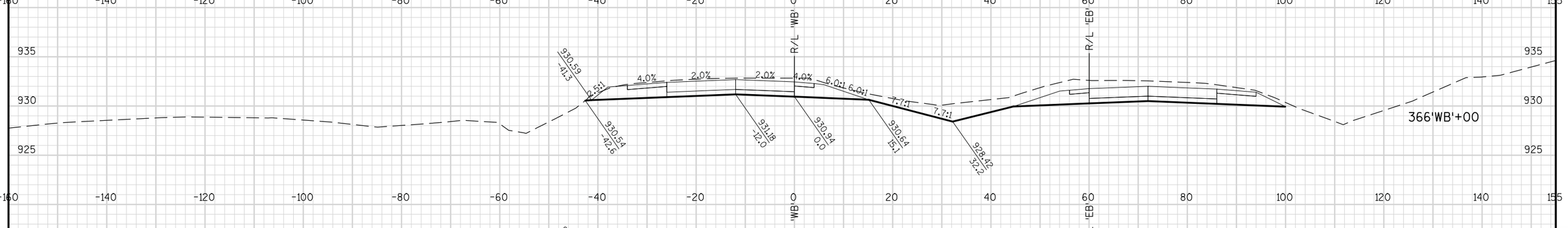


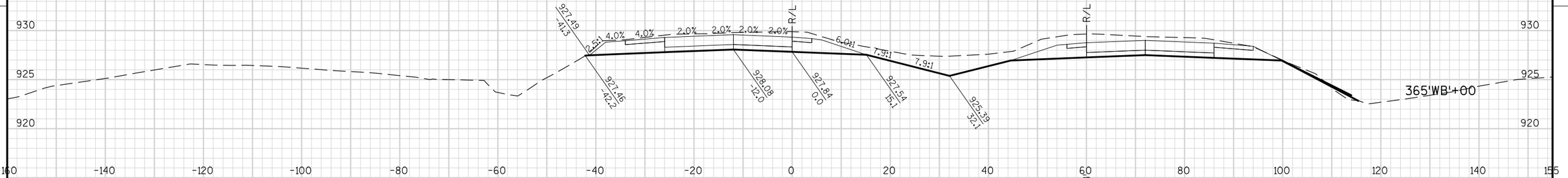
PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 WB	SHEET NO: 1057 E

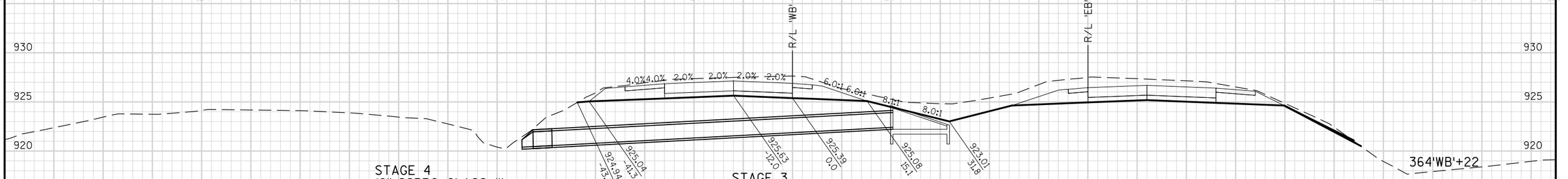
FILE NAME : CH_0803_090202_xs.dgn | PLOT DATE : 08-MAR-2013 | PLOT BY : jpieroni | PLOT SCALE : 20:1

IH 94 WB WORK STAGE 4
MEDIAN GRADING WORK STAGE 6





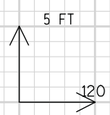




STAGE 4
18" SSPRC CLASS III
APRON ENDWALL REQUIRED
REMOVING SMALL CULVERTS

STAGE 3
REMOVE APRON ENDWALL

STAGE 6
INLETS MEDIAN 4 GRATE-MS



SECTIONS SHOW FINISHED GRADE

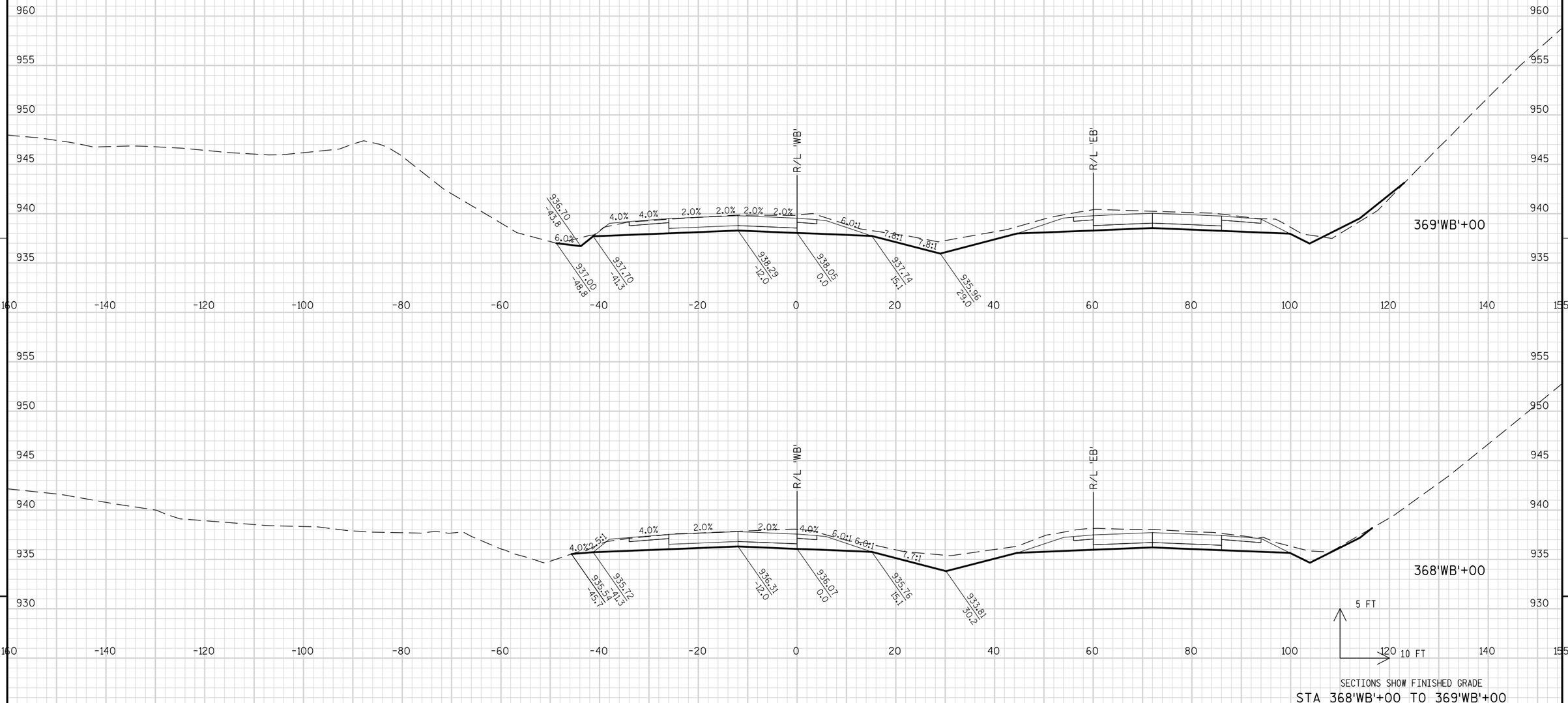
STA 364'WB'+22 TO 367'WB'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 WB	SHEET NO: 1058	E

FILE NAME : CH_0803_090202_xs.dgn | PLOT DATE : 08-MAR-2013 | PLOT BY : jpieroni | PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

IH 94 WB WORK STAGE 4
MEDIAN GRADING WORK STAGE 6

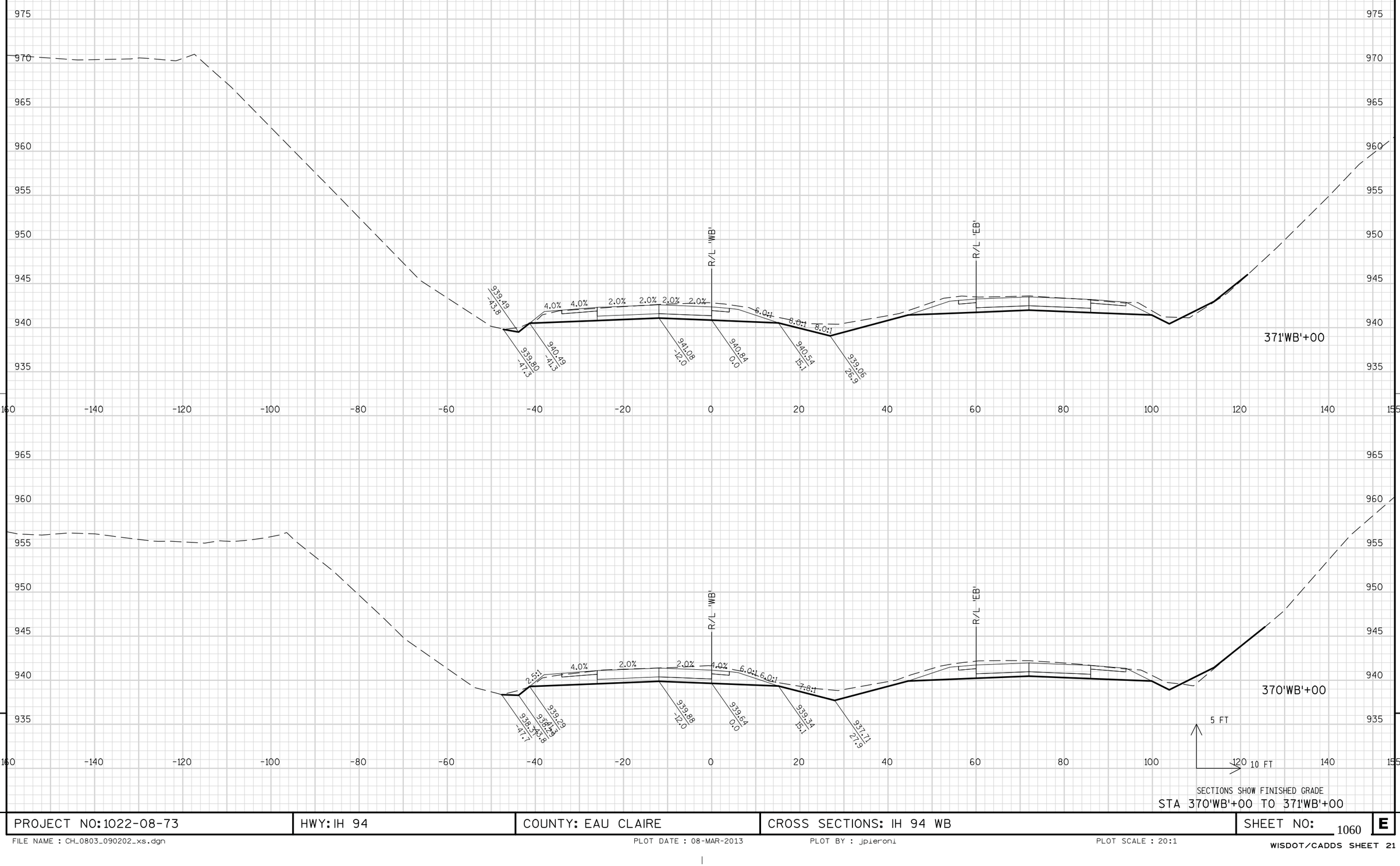


PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 WB	SHEET NO: 1059	E

FILE NAME : CH_0803_090202_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

IH 94 WB WORK STAGE 4
MEDIAN GRADING WORK STAGE 6



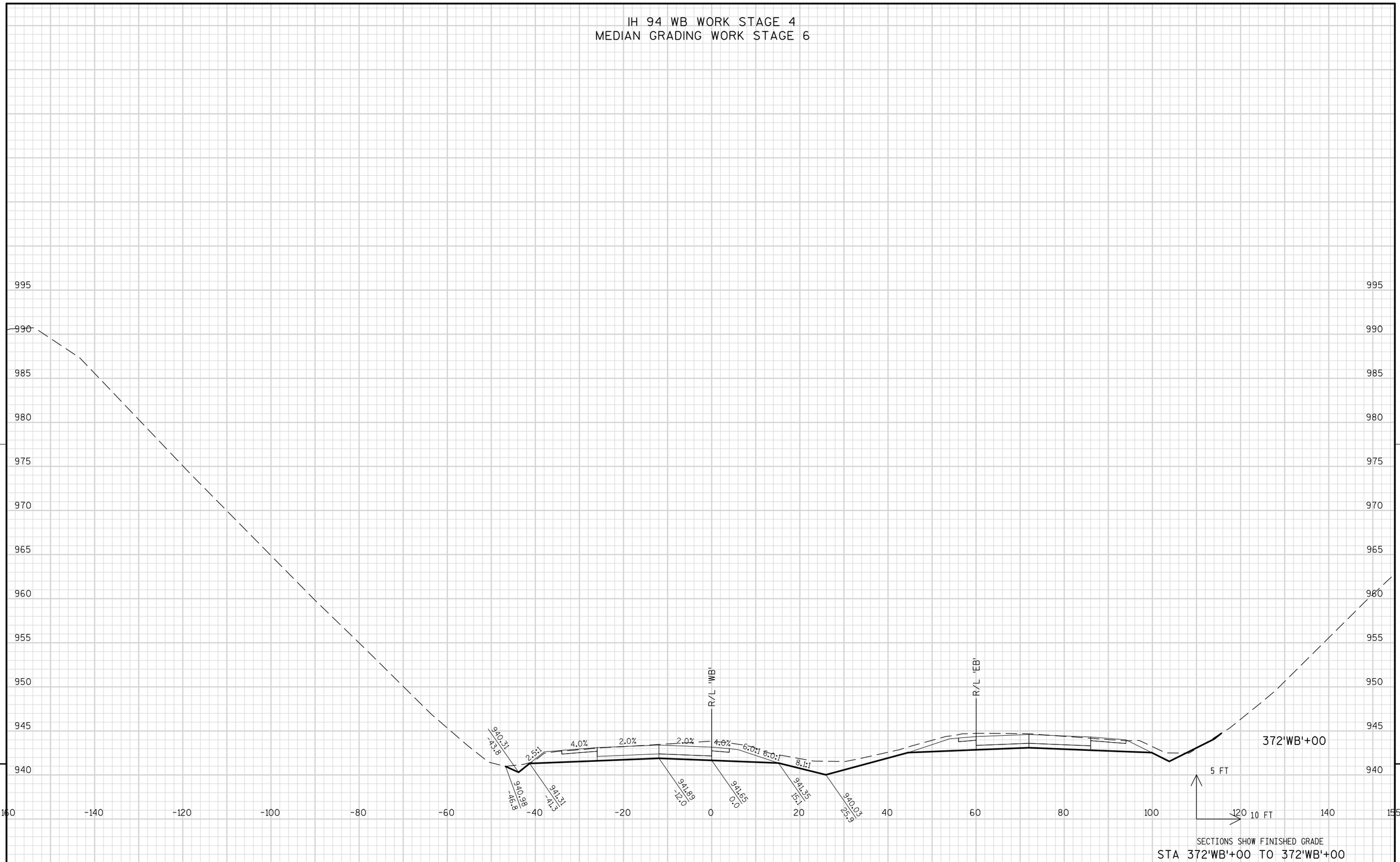
SECTIONS SHOW FINISHED GRADE
STA 370'WB'+00 TO 371'WB'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 WB	SHEET NO: 1060 E

FILE NAME : CH_0803_090202_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

IH 94 WB WORK STAGE 4
MEDIAN GRADING WORK STAGE 6



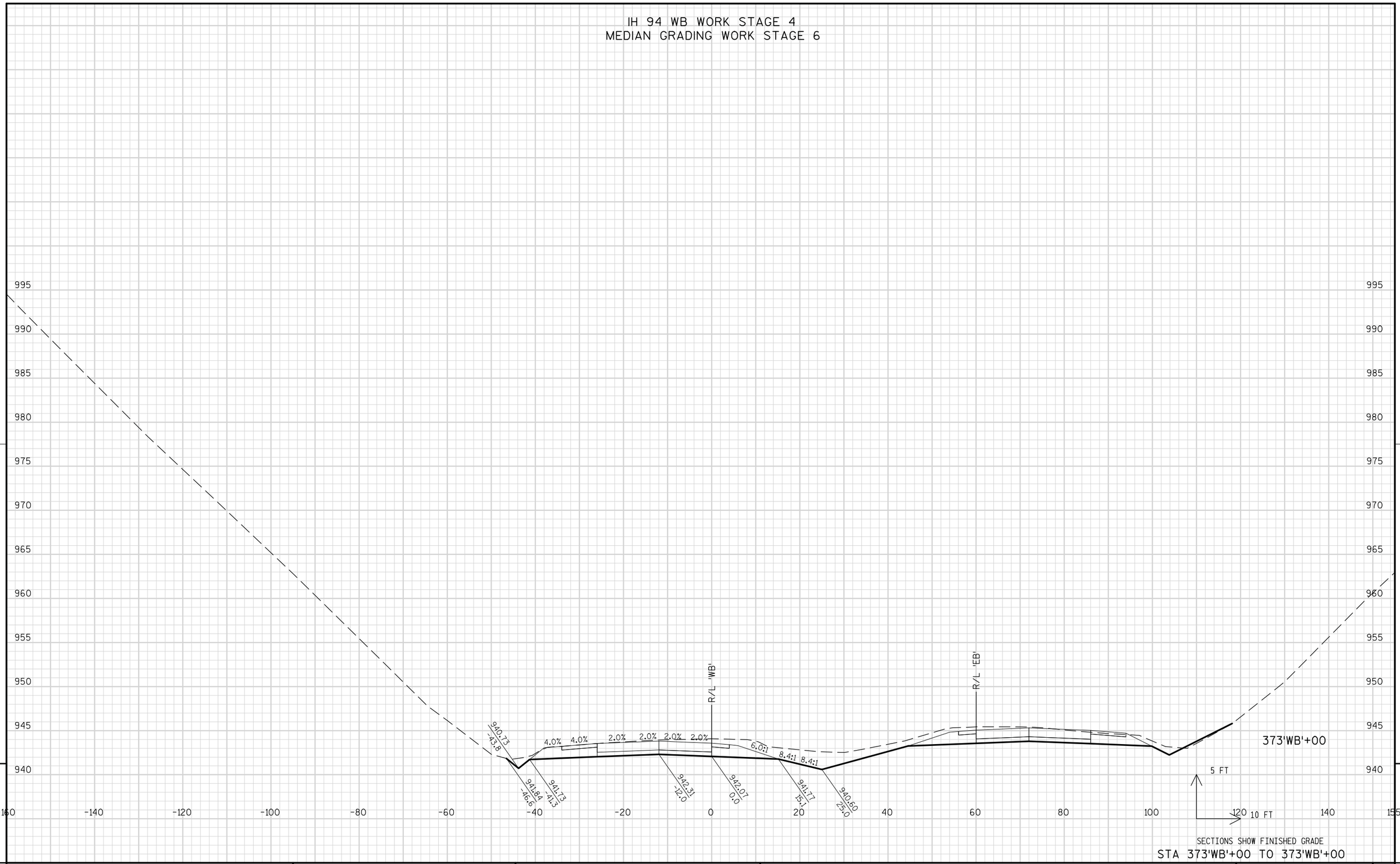
9 9

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 WB	SHEET NO: 1061	E

FILE NAME : CH_0803_090202_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

IH 94 WB WORK STAGE 4
MEDIAN GRADING WORK STAGE 6

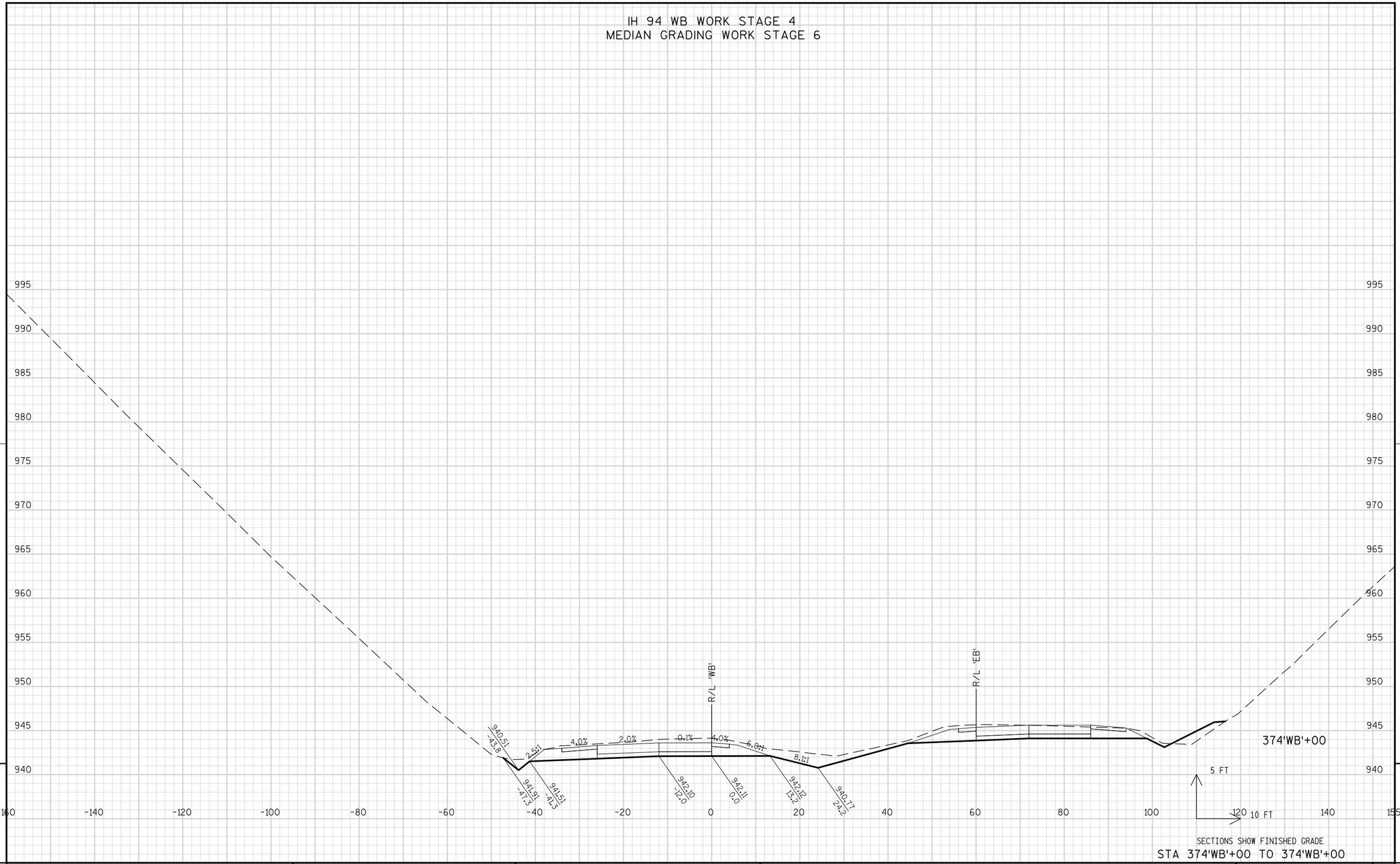


SECTIONS SHOW FINISHED GRADE
STA 373'WB'+00 TO 373'WB'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 WB	SHEET NO: 1062 E

FILE NAME : CH_0803_090202_xs.dgn | PLOT DATE : 08-MAR-2013 | PLOT BY : jpieroni | PLOT SCALE : 20:1

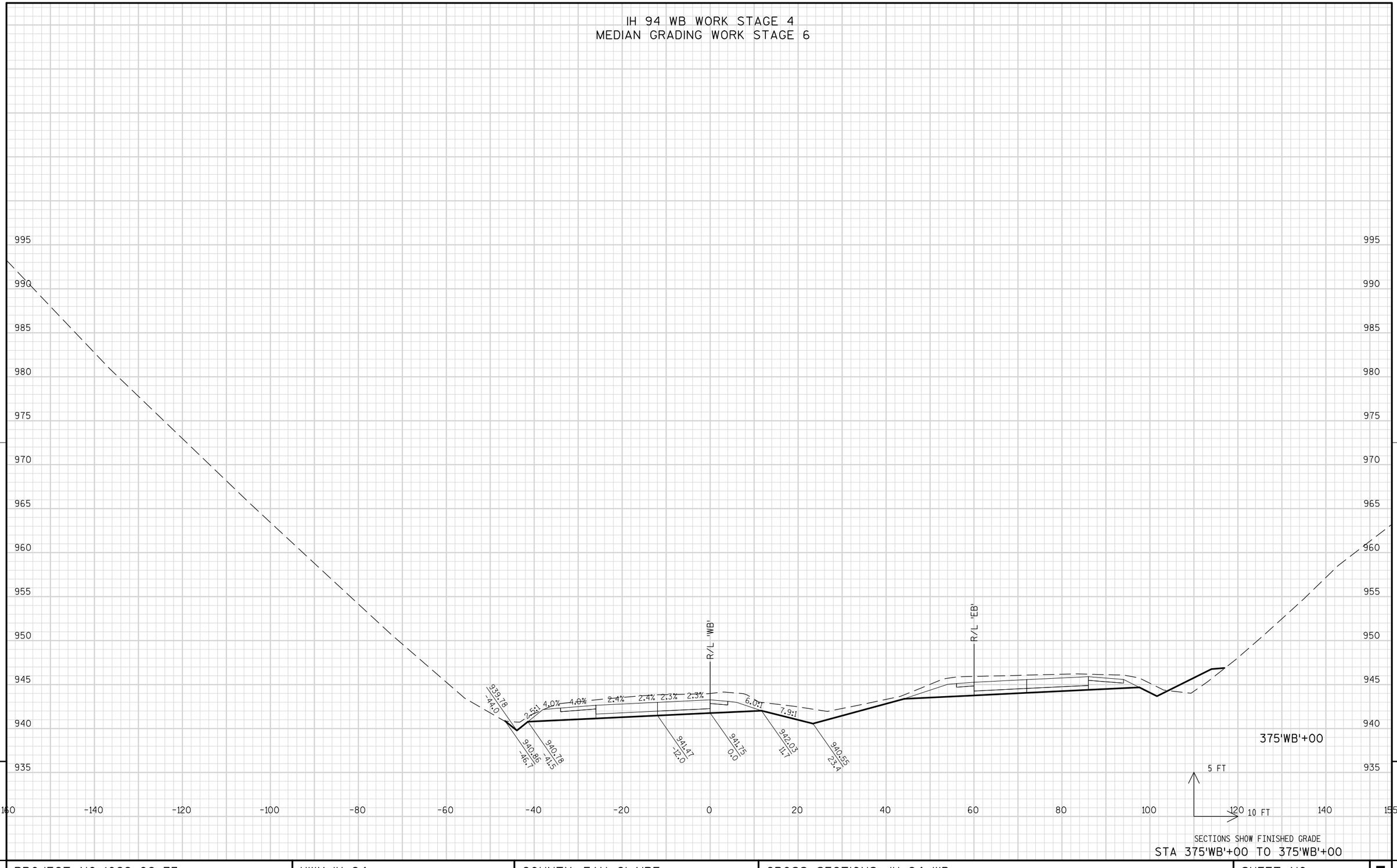
IH 94 WB WORK STAGE 4
MEDIAN GRADING WORK STAGE 6



PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 WB	SHEET NO: 1063 E

FILE NAME : CH_0803_090202_xs.dgn | PLOT DATE : 08-MAR-2013 | PLOT BY : jpieroni | PLOT SCALE : 20:1

IH 94 WB WORK STAGE 4
MEDIAN GRADING WORK STAGE 6



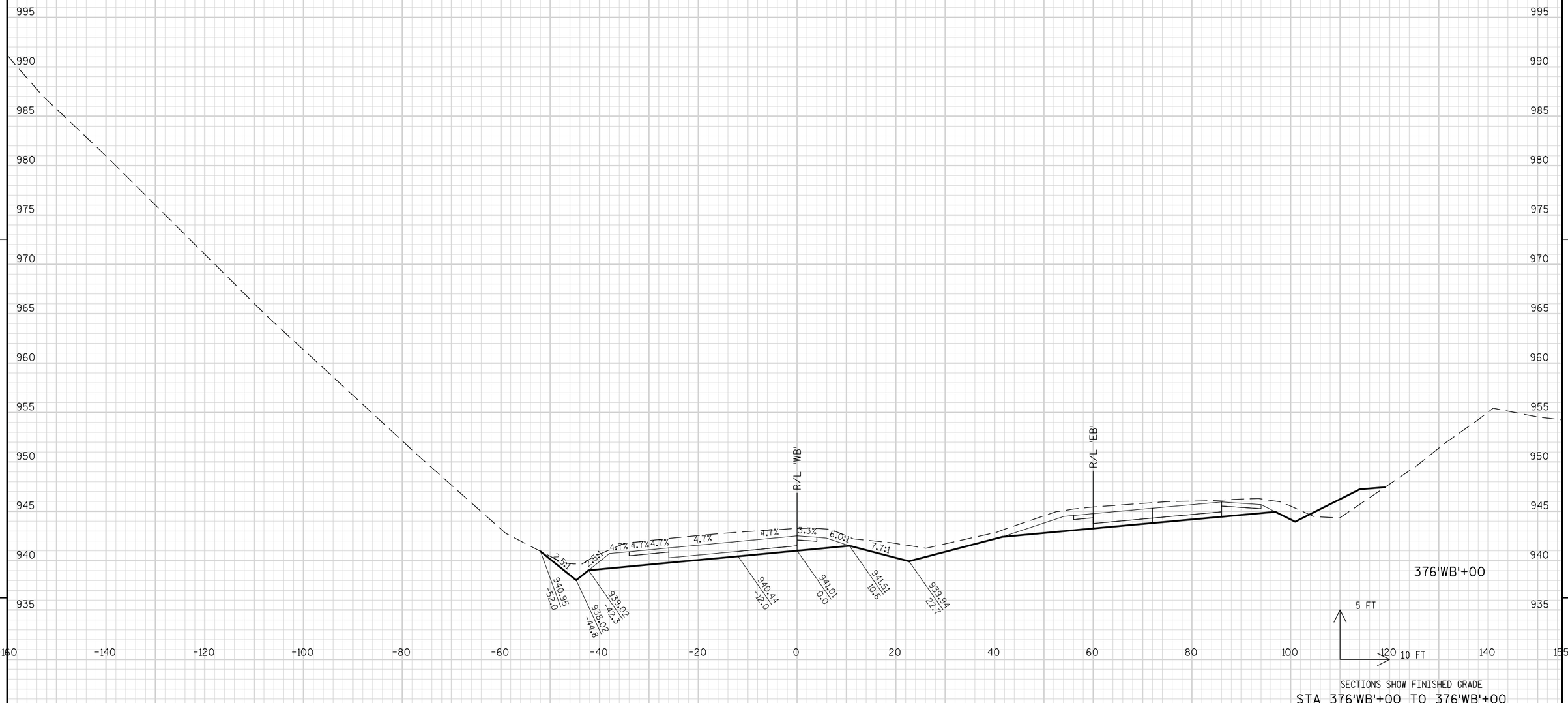
SECTIONS SHOW FINISHED GRADE
STA 375'WB'+00 TO 375'WB'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 WB	SHEET NO: 1064	E

FILE NAME : CH_0803_090202_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

IH 94 WB WORK STAGE 4
MEDIAN GRADING WORK STAGE 6

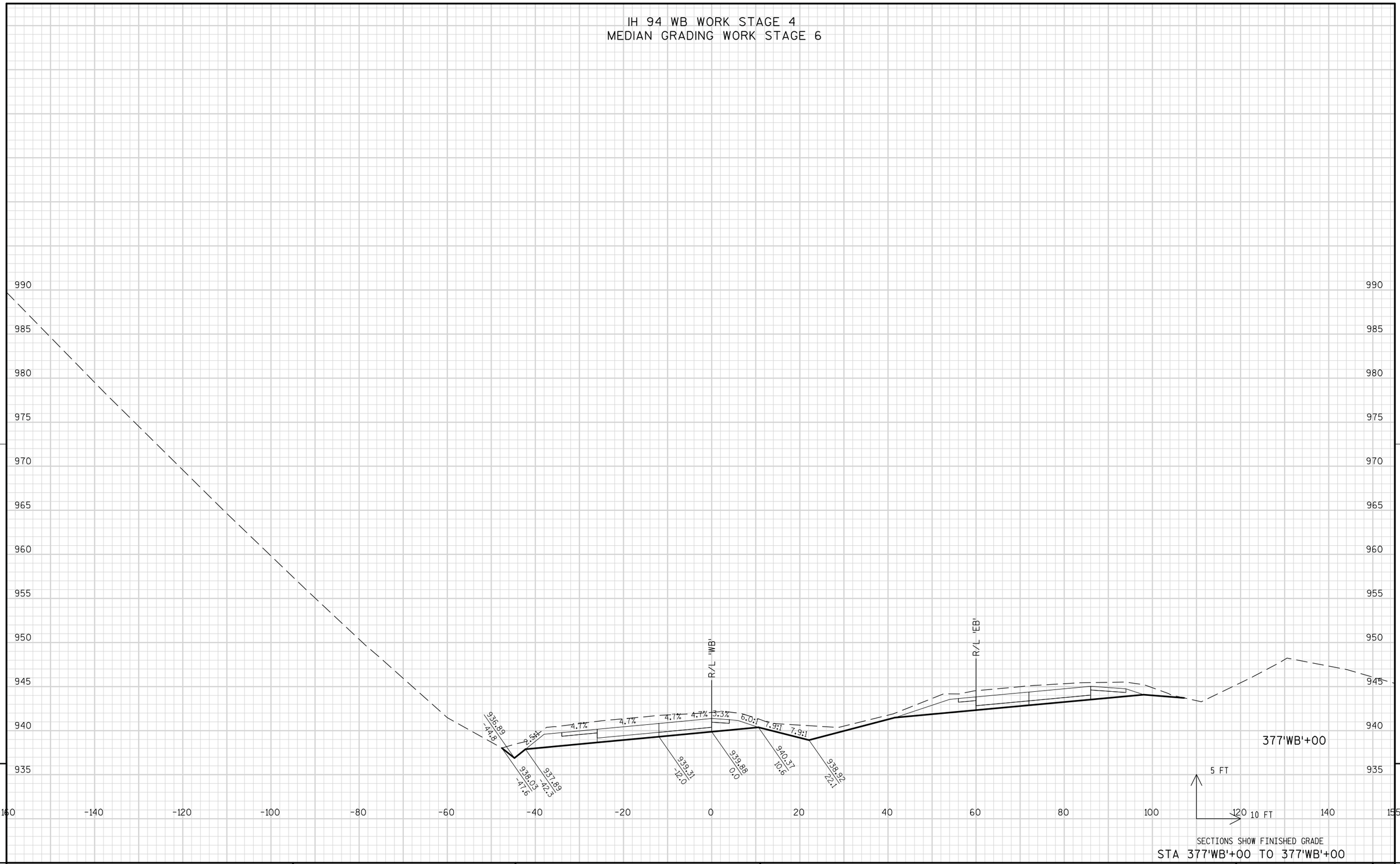


PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 WB	SHEET NO: 1065 E

FILE NAME : CH_0803_090202_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

IH 94 WB WORK STAGE 4
MEDIAN GRADING WORK STAGE 6



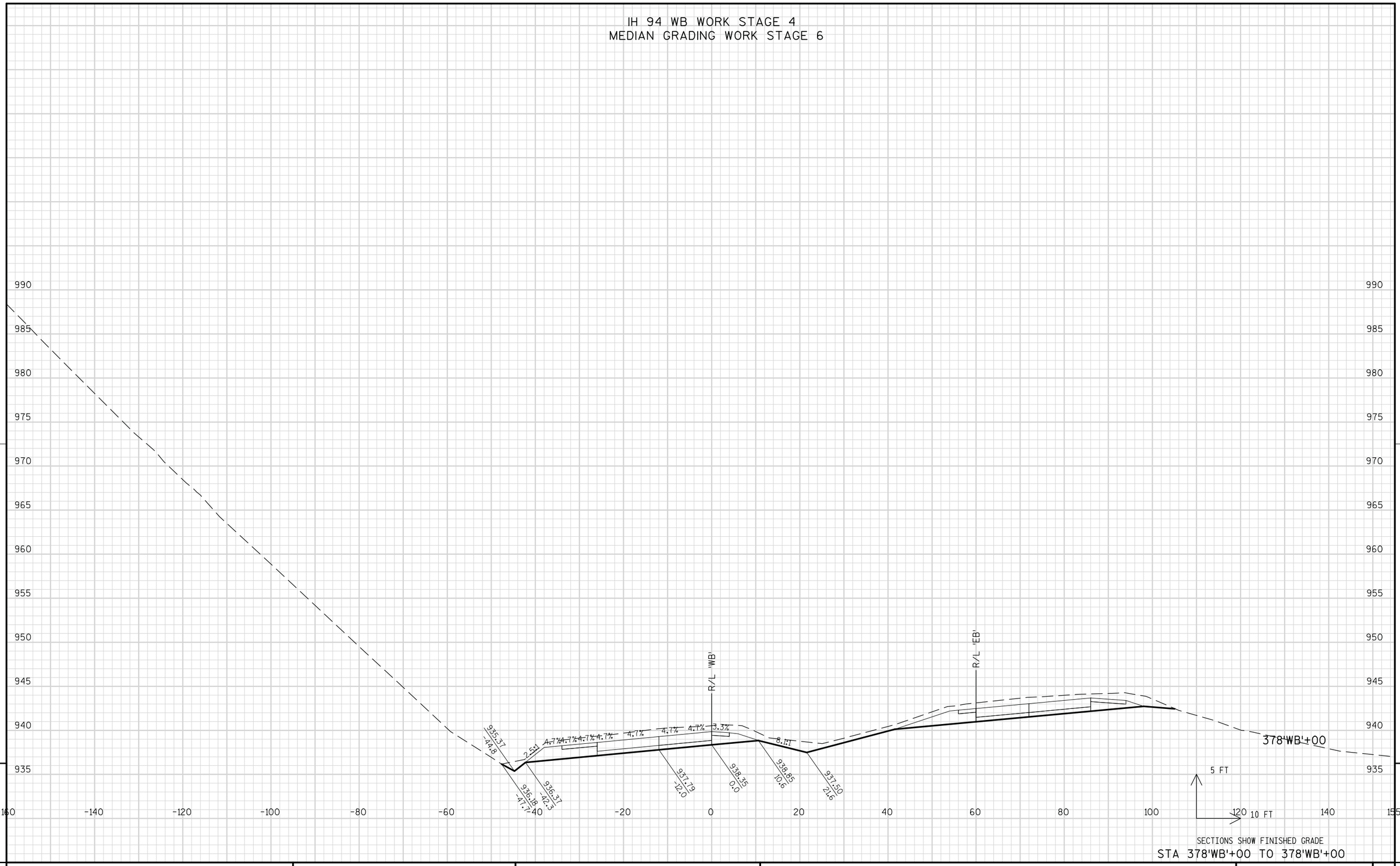
SECTIONS SHOW FINISHED GRADE
STA 377'WB'+00 TO 377'WB'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 WB	SHEET NO: 1066 E

FILE NAME : CH_0803_090202_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

IH 94 WB WORK STAGE 4
MEDIAN GRADING WORK STAGE 6



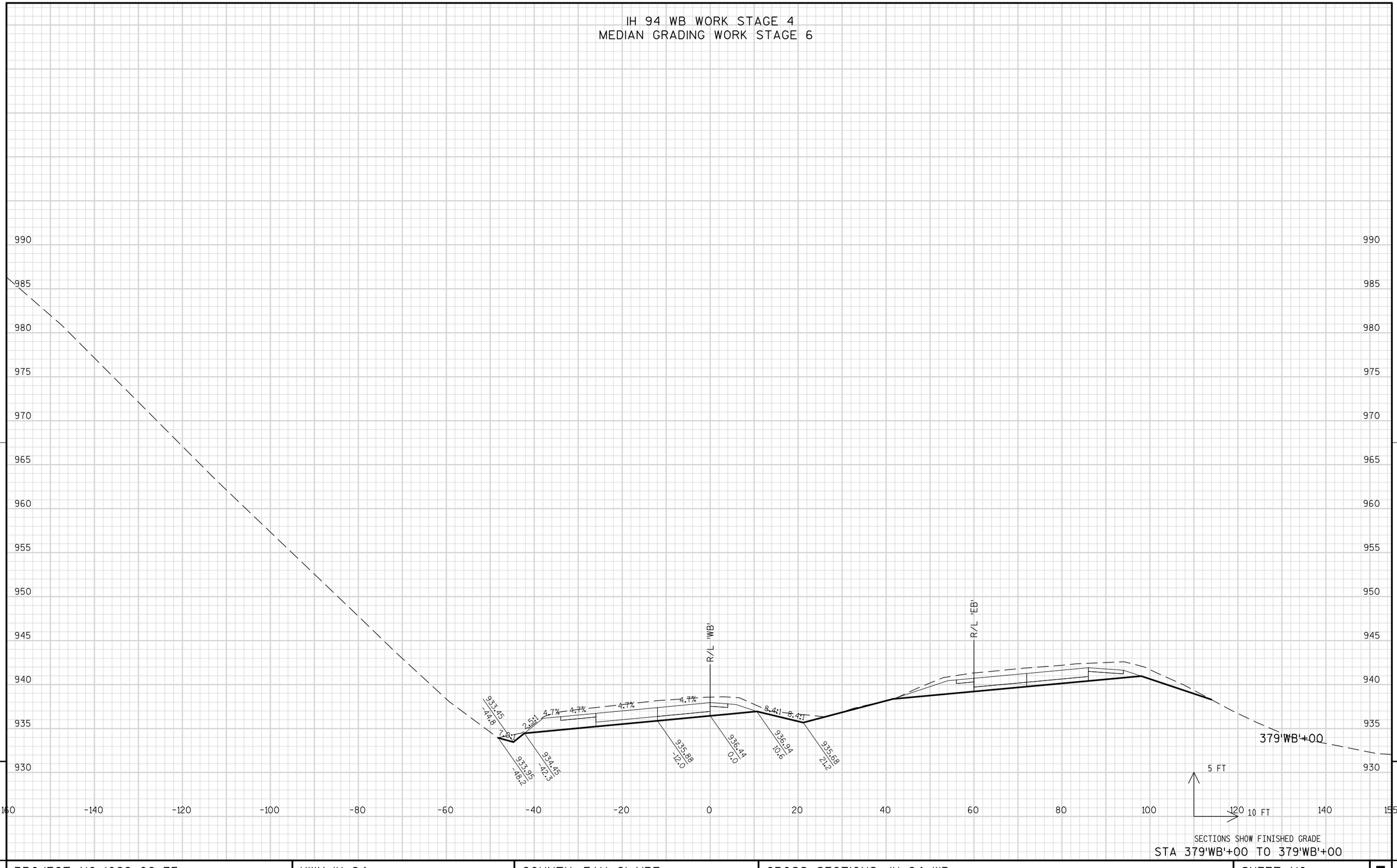
SECTIONS SHOW FINISHED GRADE
STA 378'WB'+00 TO 378'WB'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 WB	SHEET NO: 1067 E

FILE NAME : CH_0803_090202_xs.dgn | PLOT DATE : 08-MAR-2013 | PLOT BY : jpieroni | PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

IH 94 WB WORK STAGE 4
MEDIAN GRADING WORK STAGE 6



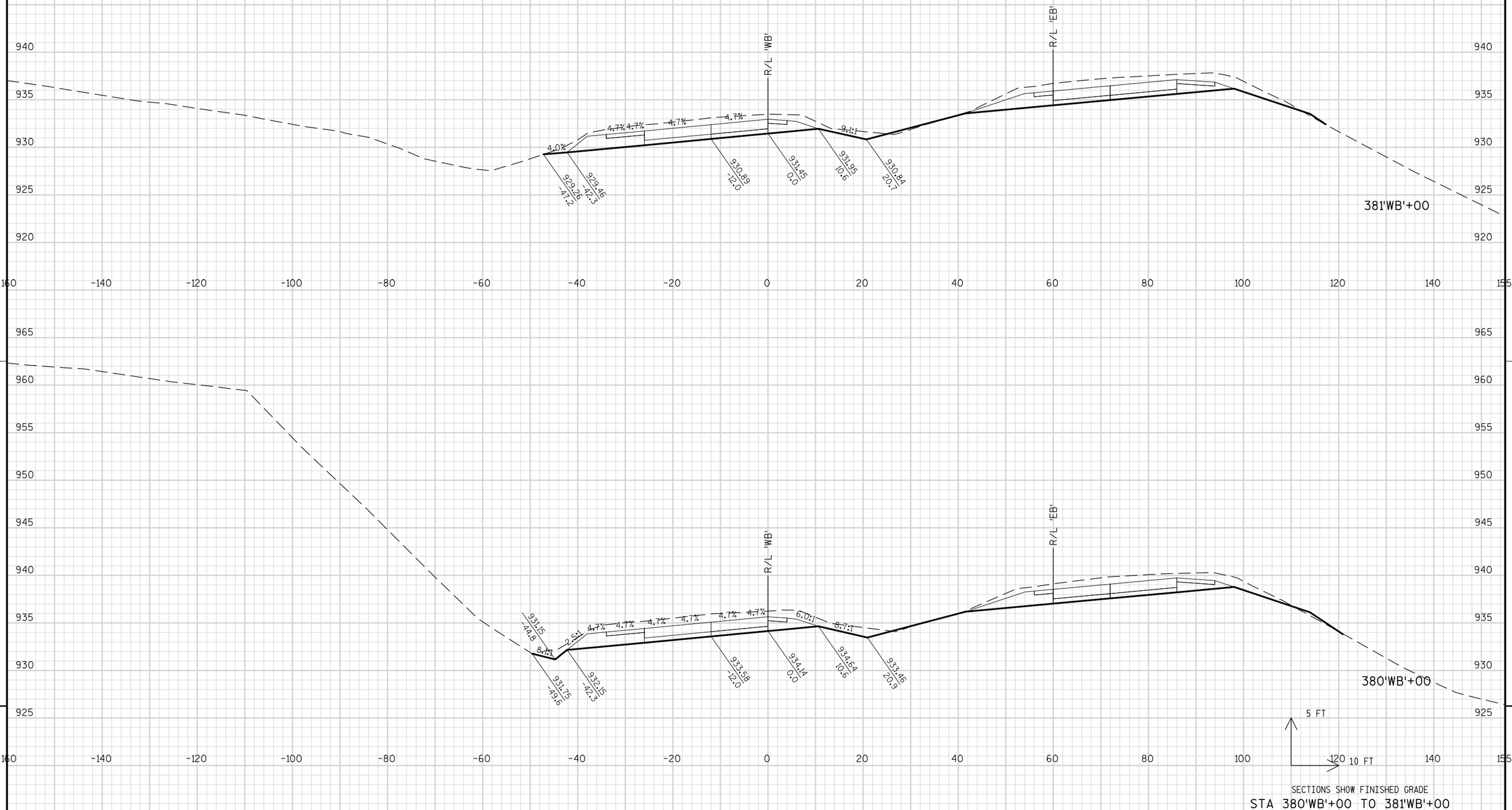
SECTIONS SHOW FINISHED GRADE
STA 379'WB'+00 TO 379'WB'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 WB	SHEET NO: 1068 E

FILE NAME : CH_0803_090202_xs.dgn | PLOT DATE : 08-MAR-2013 | PLOT BY : jpieroni | PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

IH 94 WB WORK STAGE 4
MEDIAN GRADING WORK STAGE 6



SECTIONS SHOW FINISHED GRADE

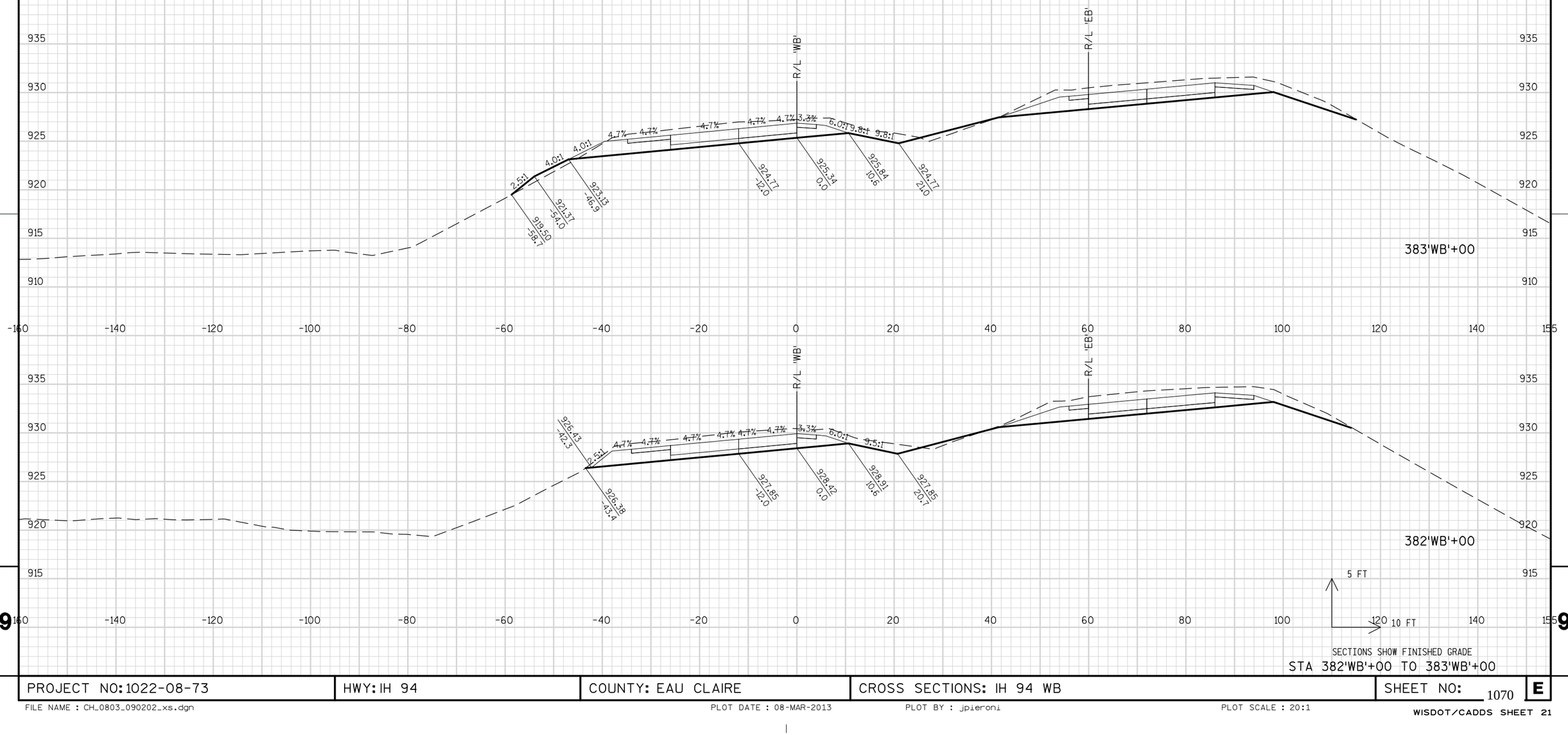
STA 380'WB'+00 TO 381'WB'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 WB	SHEET NO: 1069	E

FILE NAME : CH_0803_090202_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

IH 94 WB WORK STAGE 4
MEDIAN GRADING WORK STAGE 6



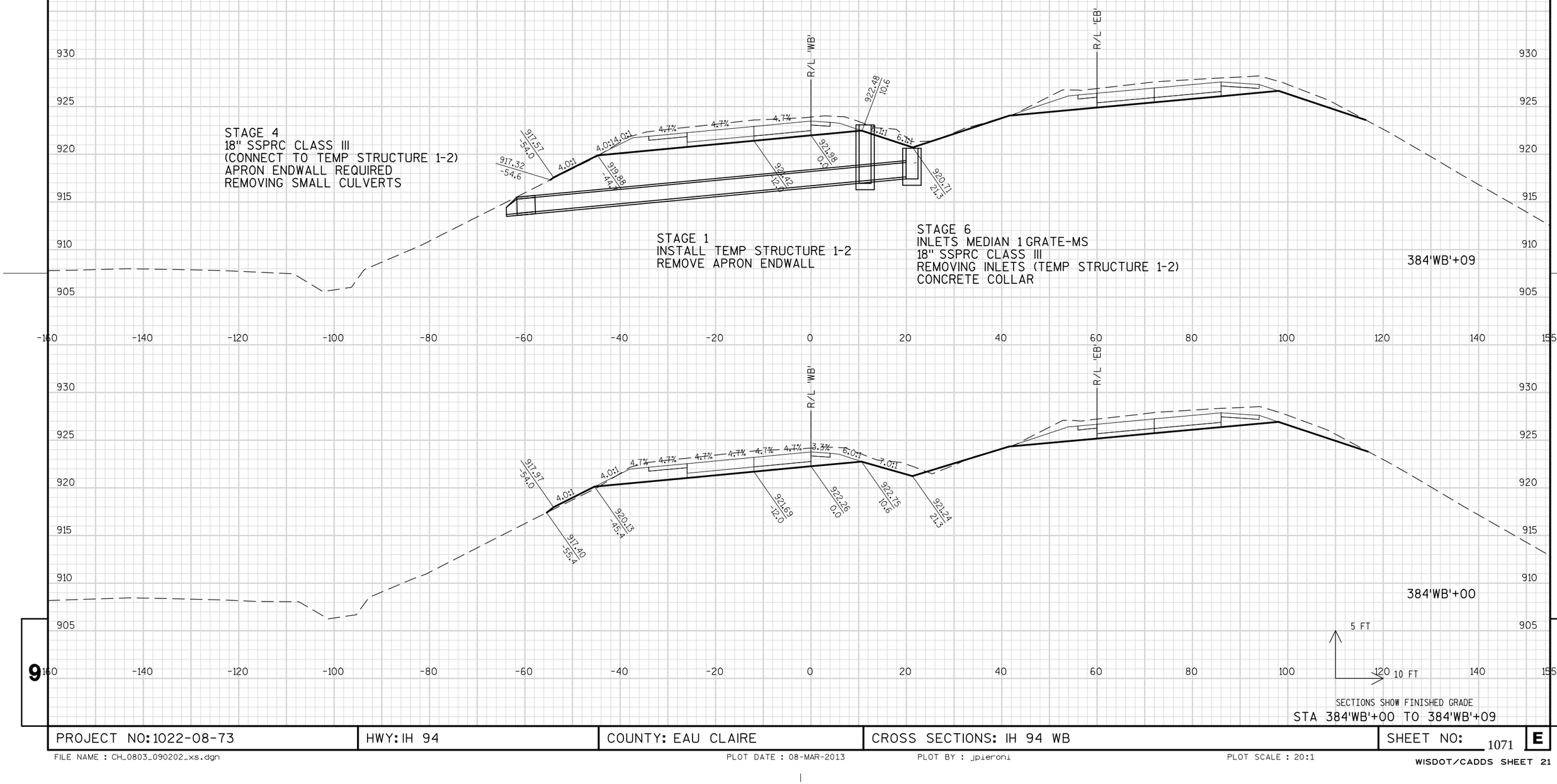
SECTIONS SHOW FINISHED GRADE
STA 382'WB'+00 TO 383'WB'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 WB	SHEET NO: 1070	E

FILE NAME : CH_0803_090202_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

IH 94 WB WORK STAGE 4
MEDIAN GRADING WORK STAGE 6



SECTIONS SHOW FINISHED GRADE

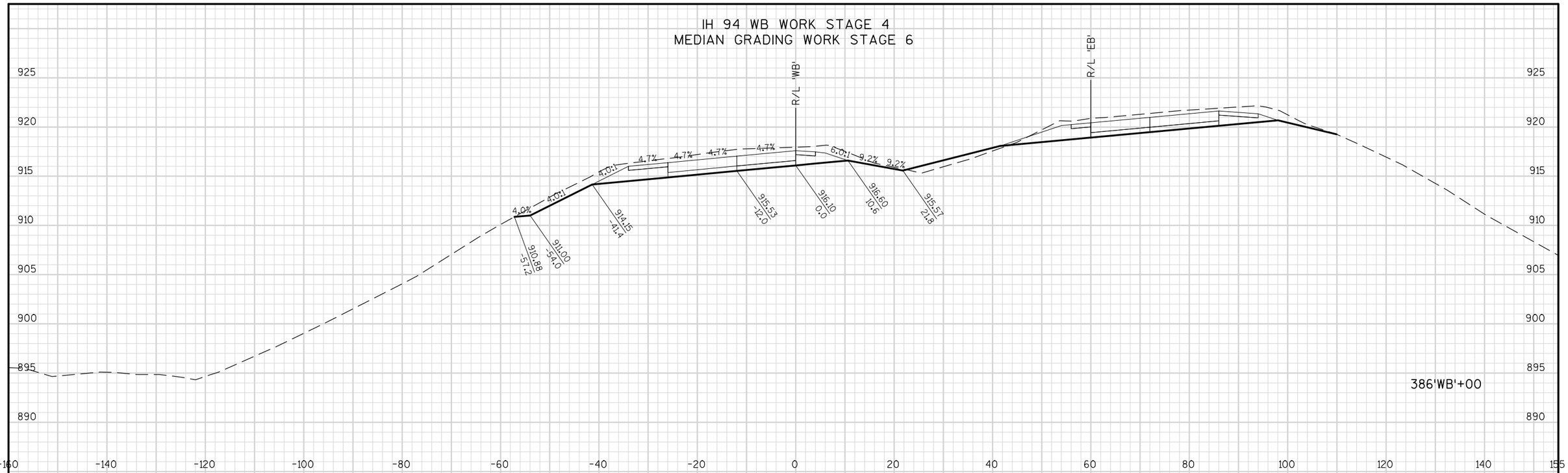
STA 384'WB'+00 TO 384'WB'+09

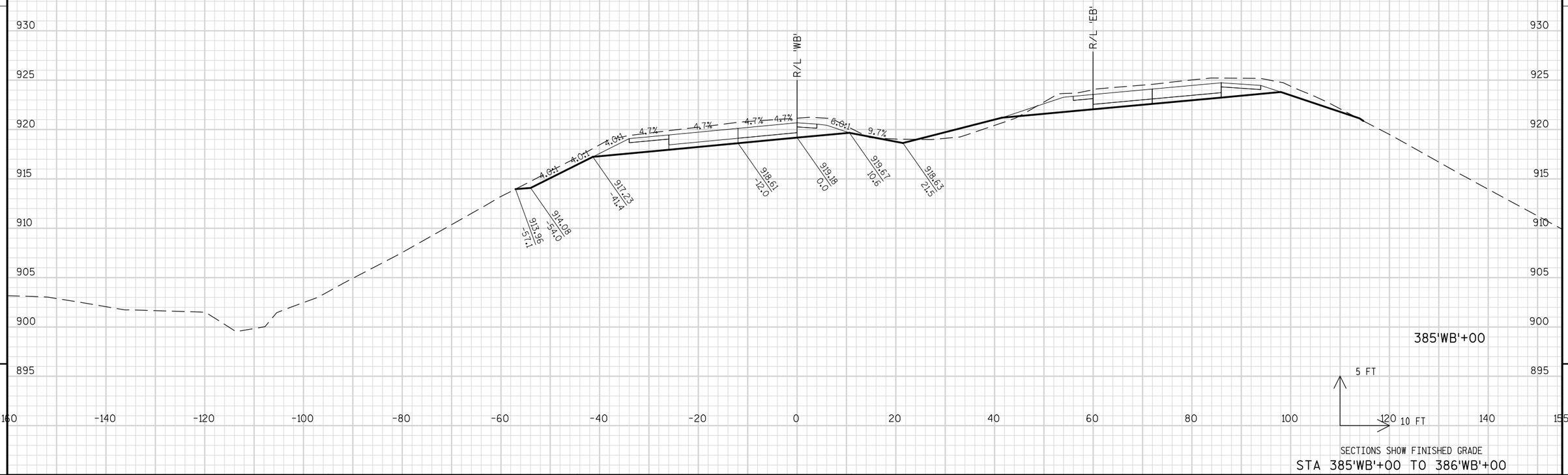
PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 WB	SHEET NO: 1071 E

FILE NAME : CH_0803_090202_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

IH 94 WB WORK STAGE 4
MEDIAN GRADING WORK STAGE 6





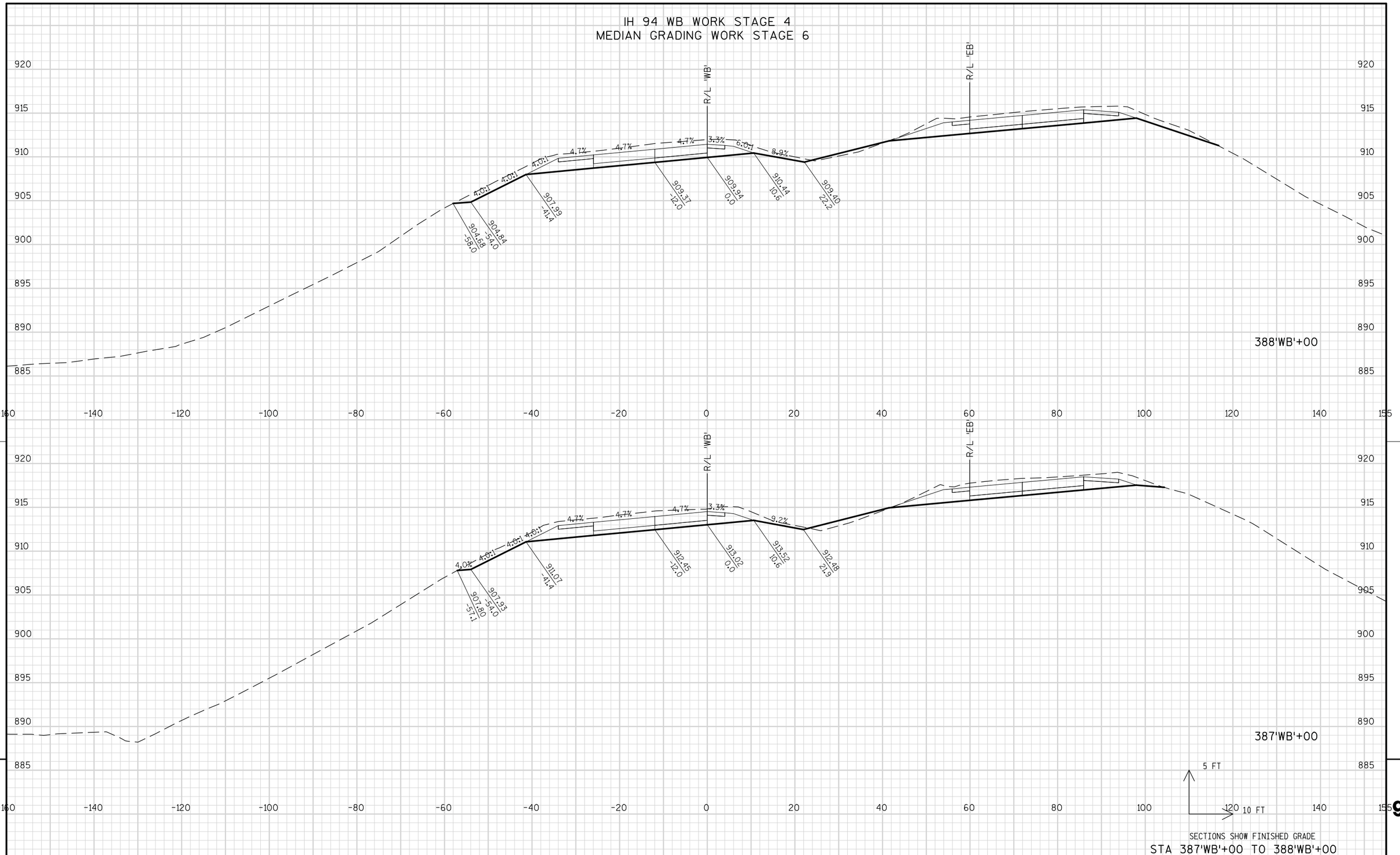
SECTIONS SHOW FINISHED GRADE
STA 385'WB'+00 TO 386'WB'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 WB	SHEET NO: 1072	E

FILE NAME : CH_0803_090202_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

IH 94 WB WORK STAGE 4
MEDIAN GRADING WORK STAGE 6



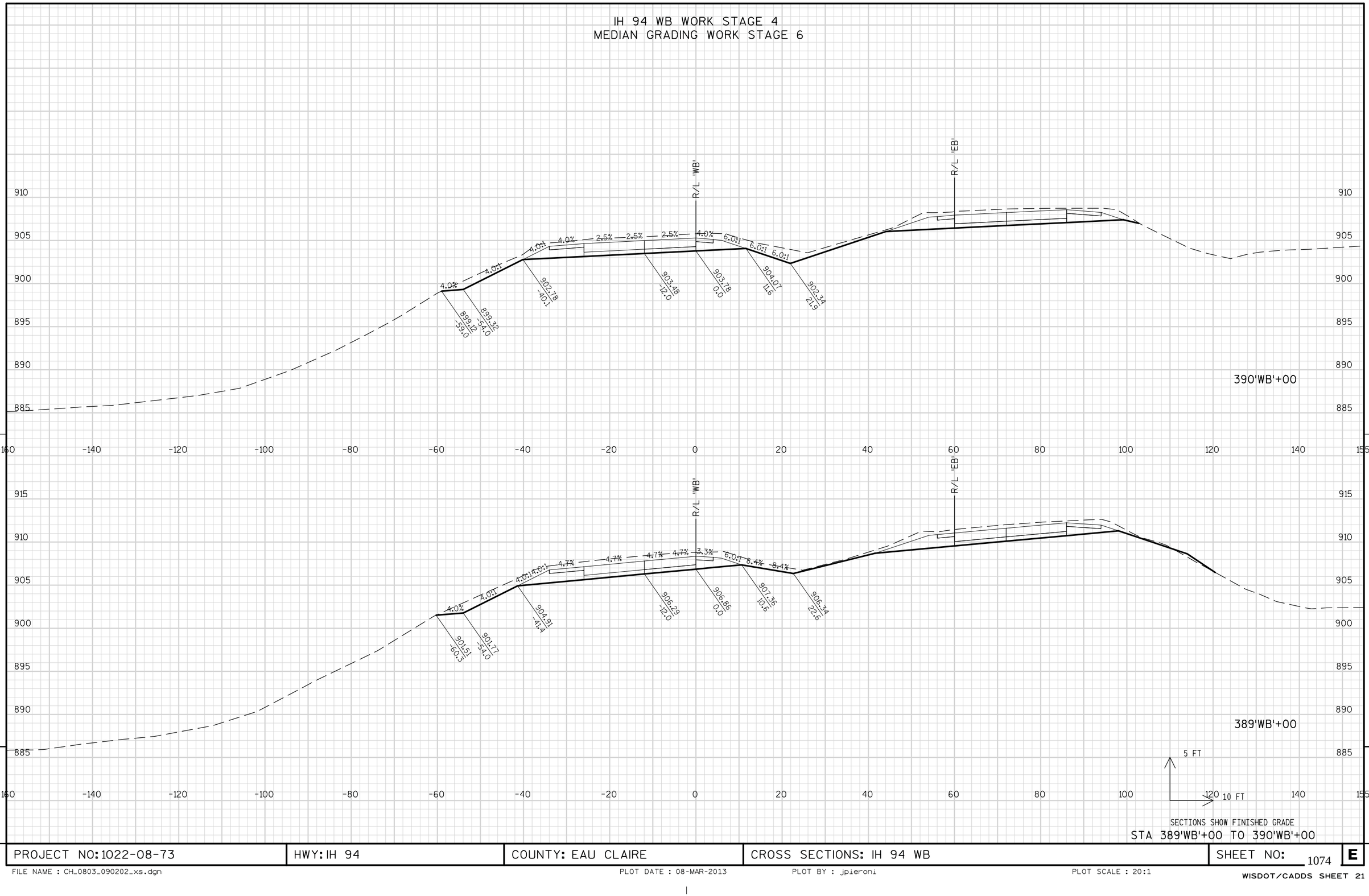
SECTIONS SHOW FINISHED GRADE
STA 387'WB'+00 TO 388'WB'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 WB	SHEET NO: 1073	E

FILE NAME : CH_0803_090202_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

IH 94 WB WORK STAGE 4
MEDIAN GRADING WORK STAGE 6



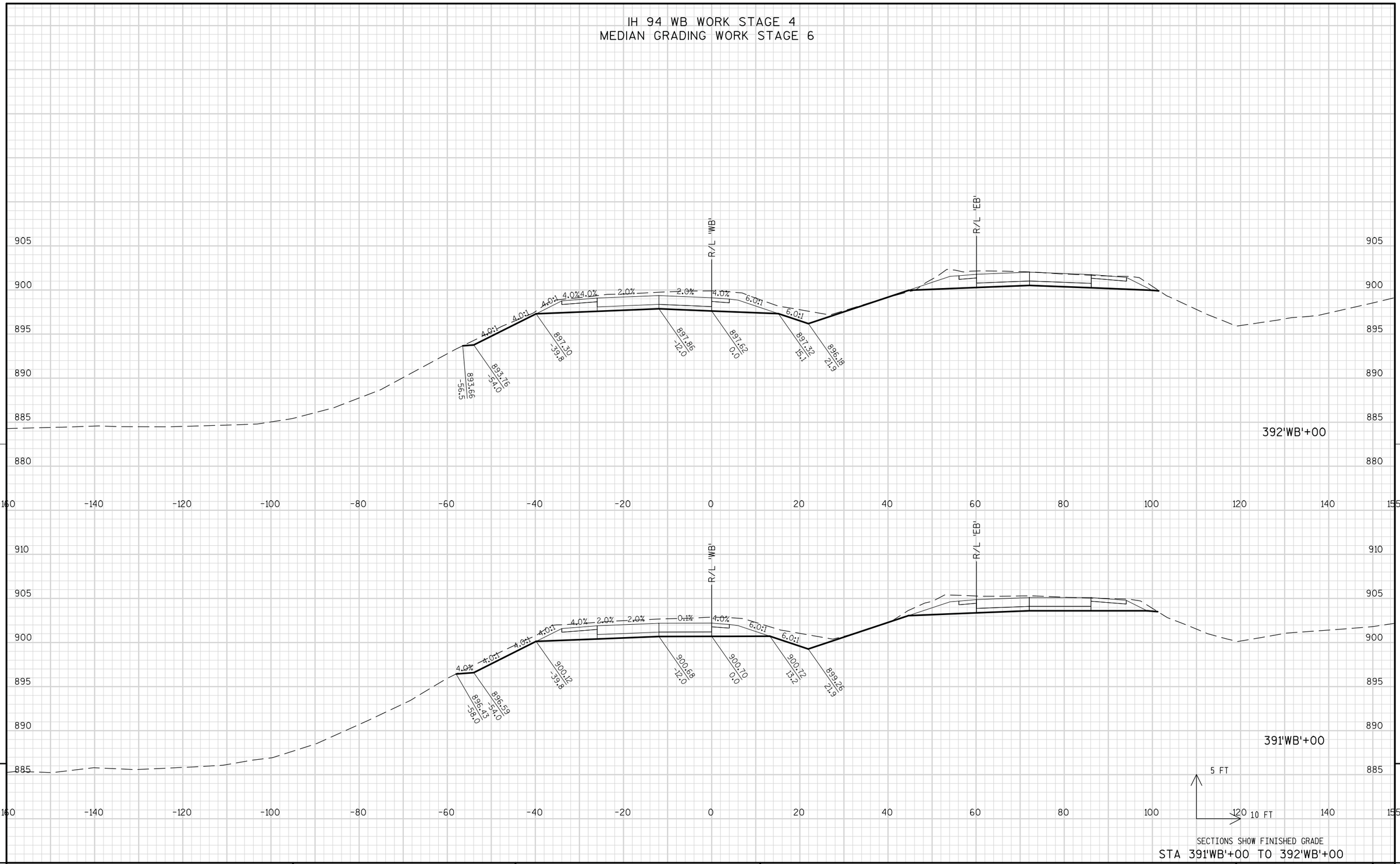
SECTIONS SHOW FINISHED GRADE
STA 389'WB'+00 TO 390'WB'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 WB	SHEET NO: 1074 E

FILE NAME : CH_0803_090202_xs.dgn | PLOT DATE : 08-MAR-2013 | PLOT BY : jpieroni | PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

IH 94 WB WORK STAGE 4
MEDIAN GRADING WORK STAGE 6

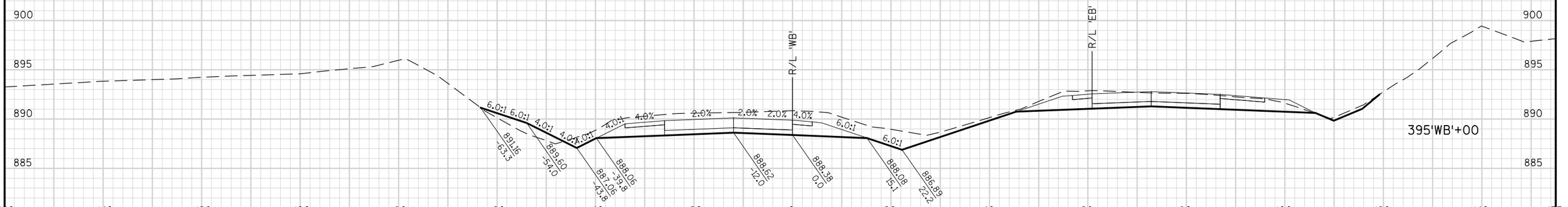


SECTIONS SHOW FINISHED GRADE
STA 391'WB'+00 TO 392'WB'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 WB	SHEET NO: 1075 E

FILE NAME : CH_0803_090202_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

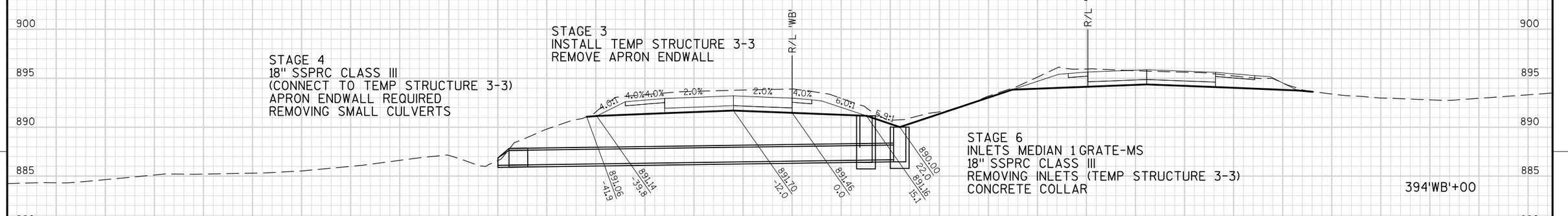
IH 94 WB WORK STAGE 4
MEDIAN GRADING WORK STAGE 6

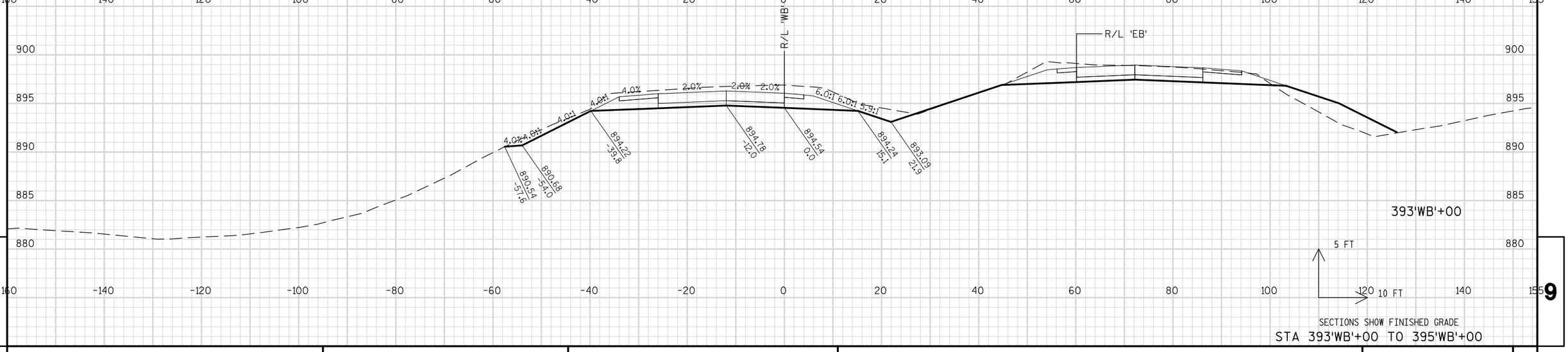


STAGE 4
18" SSPRC CLASS III
(CONNECT TO TEMP STRUCTURE 3-3)
APRON ENDWALL REQUIRED
REMOVING SMALL CULVERTS

STAGE 3
INSTALL TEMP STRUCTURE 3-3
REMOVE APRON ENDWALL

STAGE 6
INLETS MEDIAN 1 GRATE-MS
18" SSPRC CLASS III
REMOVING INLETS (TEMP STRUCTURE 3-3)
CONCRETE COLLAR



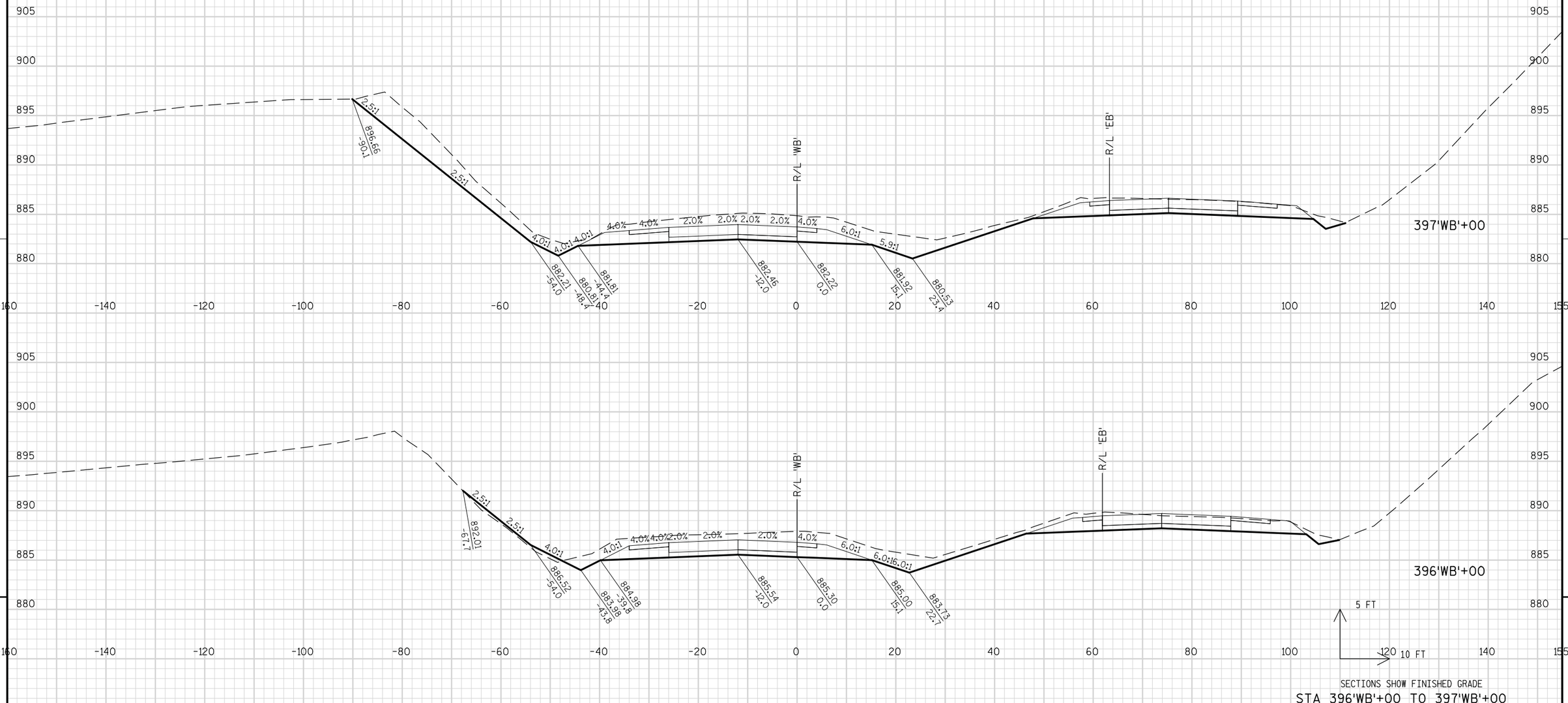


SECTIONS SHOW FINISHED GRADE
STA 393'WB'+00 TO 395'WB'+00

9 9

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 WB	SHEET NO: 1076	E

IH 94 WB WORK STAGE 4
MEDIAN GRADING WORK STAGE 6



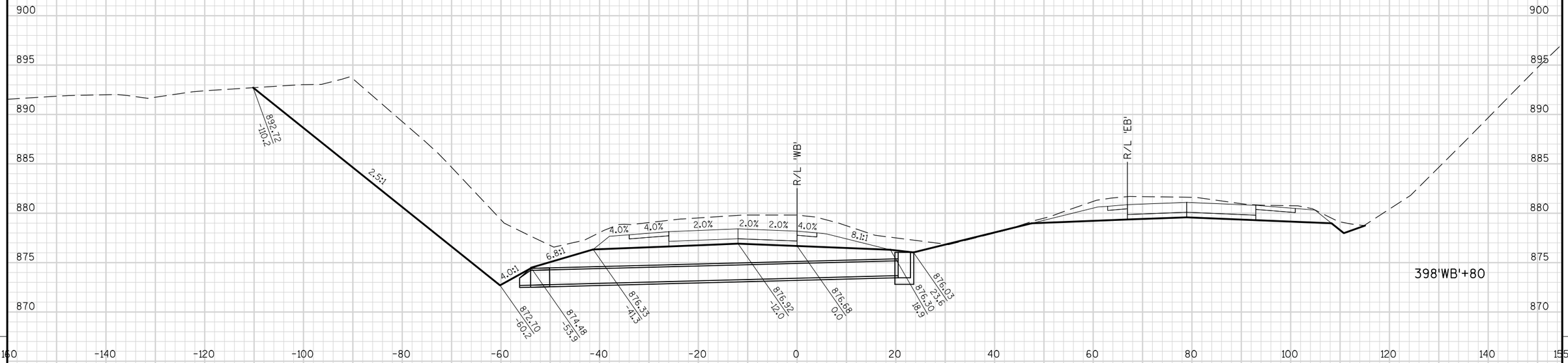
SECTIONS SHOW FINISHED GRADE
STA 396'WB'+00 TO 397'WB'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 WB	SHEET NO: 1077	E

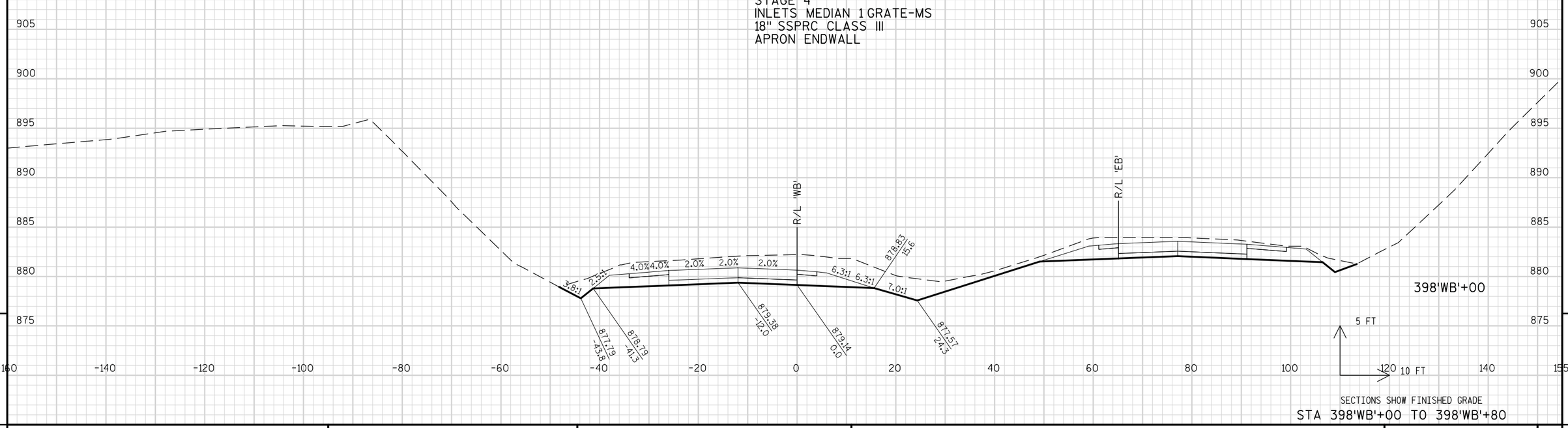
FILE NAME : CH_0803_090202_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

IH 94 WB WORK STAGE 4
MEDIAN GRADING WORK STAGE 6



STAGE 4
INLETS MEDIAN 1 GRATE-MS
18" SSPRC CLASS III
APRON ENDWALL



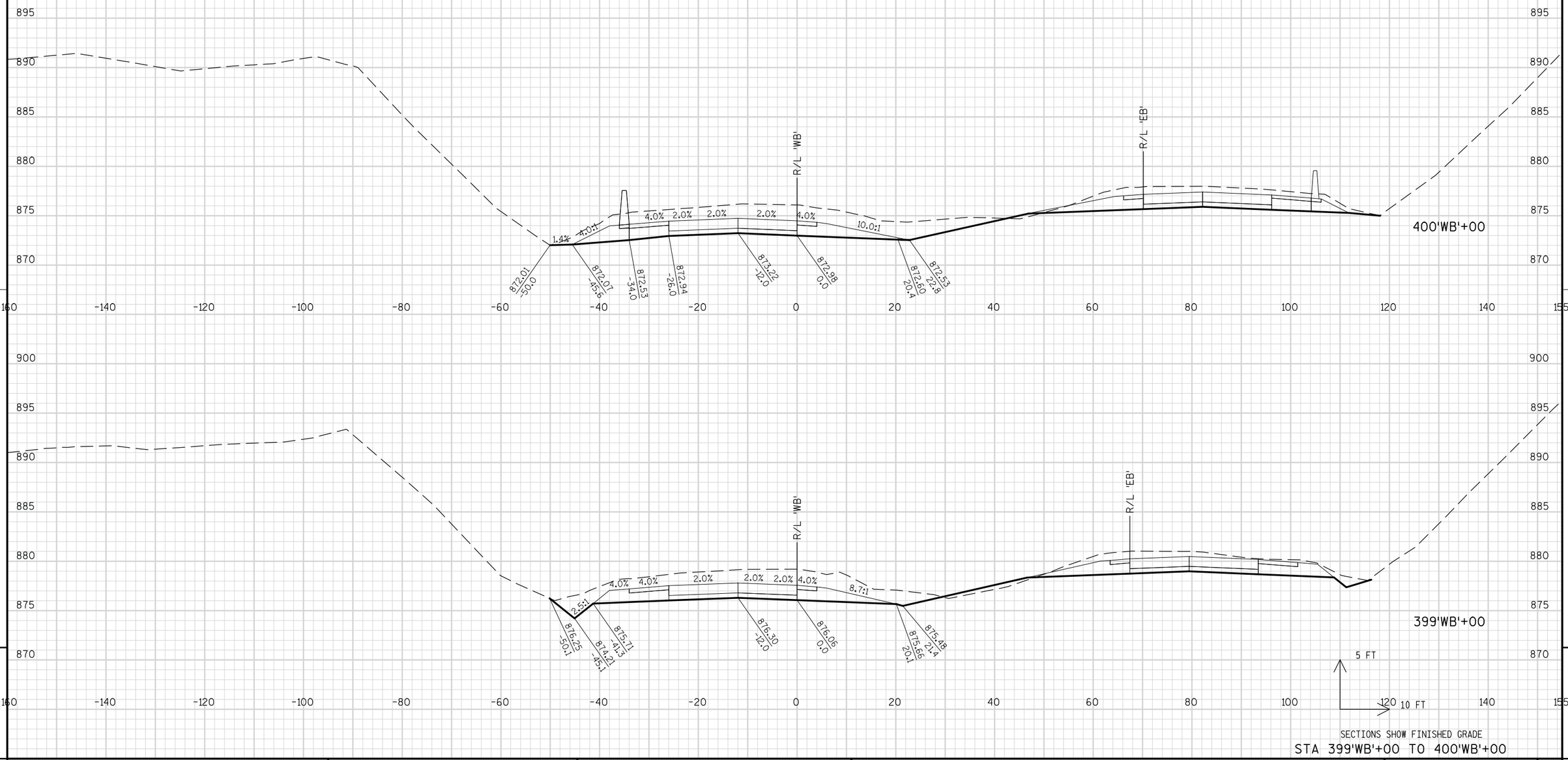
SECTIONS SHOW FINISHED GRADE
STA 398'WB'+00 TO 398'WB'+80

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 WB	SHEET NO: 1078 E

FILE NAME : CH_0803_090202_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

IH 94 WB WORK STAGE 4
MEDIAN GRADING WORK STAGE 6

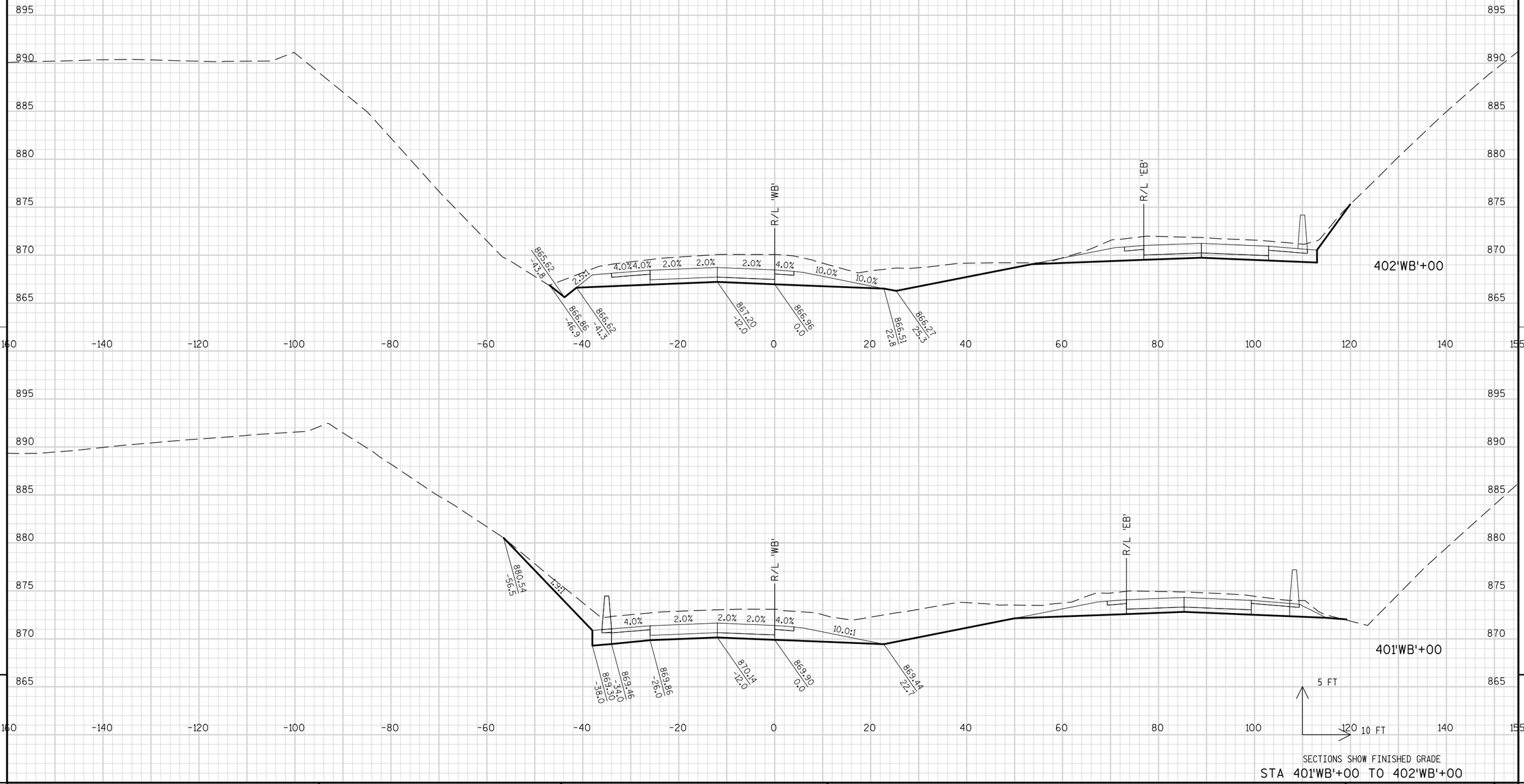


PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 WB	SHEET NO: 1079 E

FILE NAME : CH_0803_090202_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

IH 94 WB WORK STAGE 4
MEDIAN GRADING WORK STAGE 6

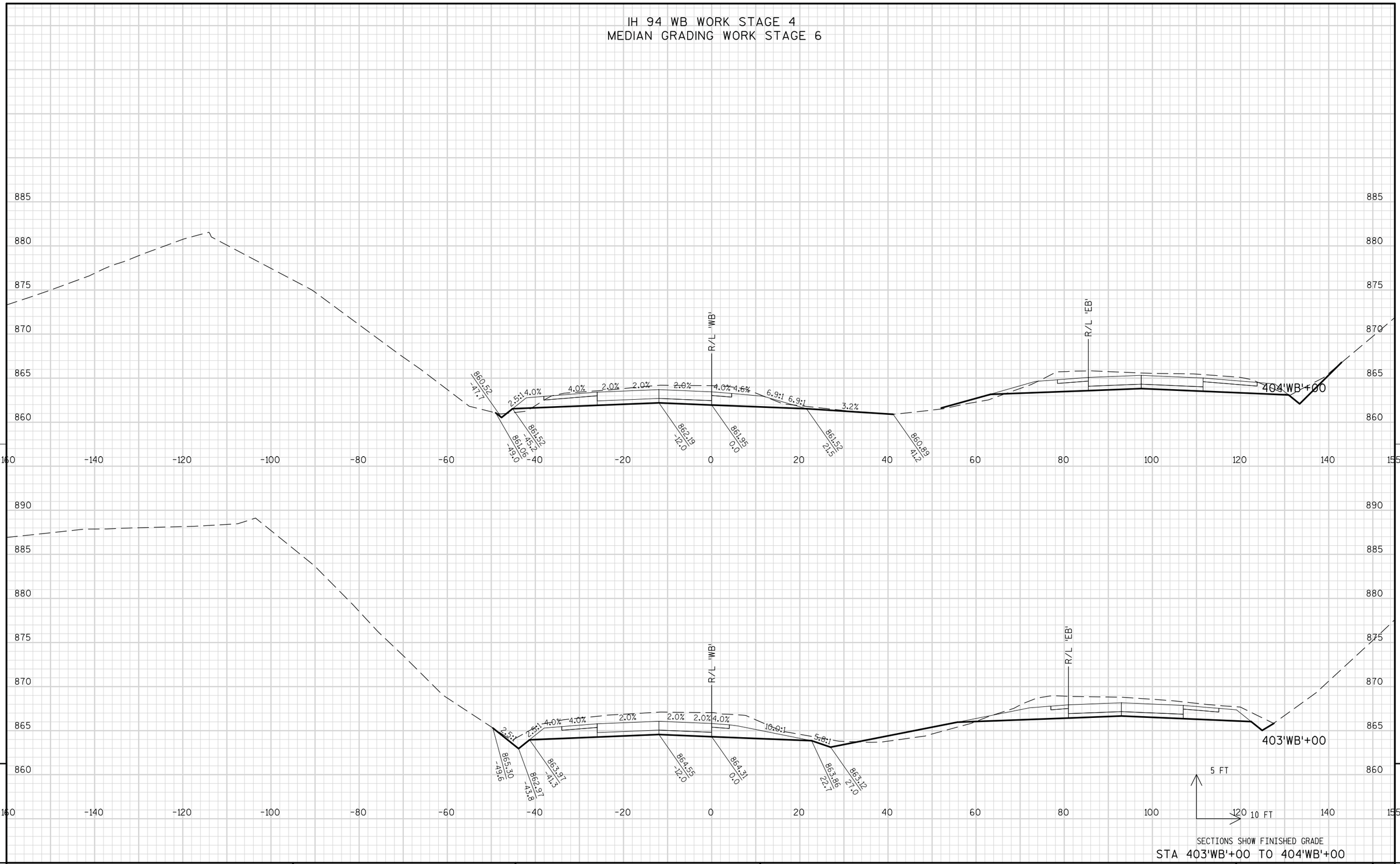


PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 WB	SHEET NO: 1080 E

FILE NAME : CH_0803_090202_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

IH 94 WB WORK STAGE 4
MEDIAN GRADING WORK STAGE 6

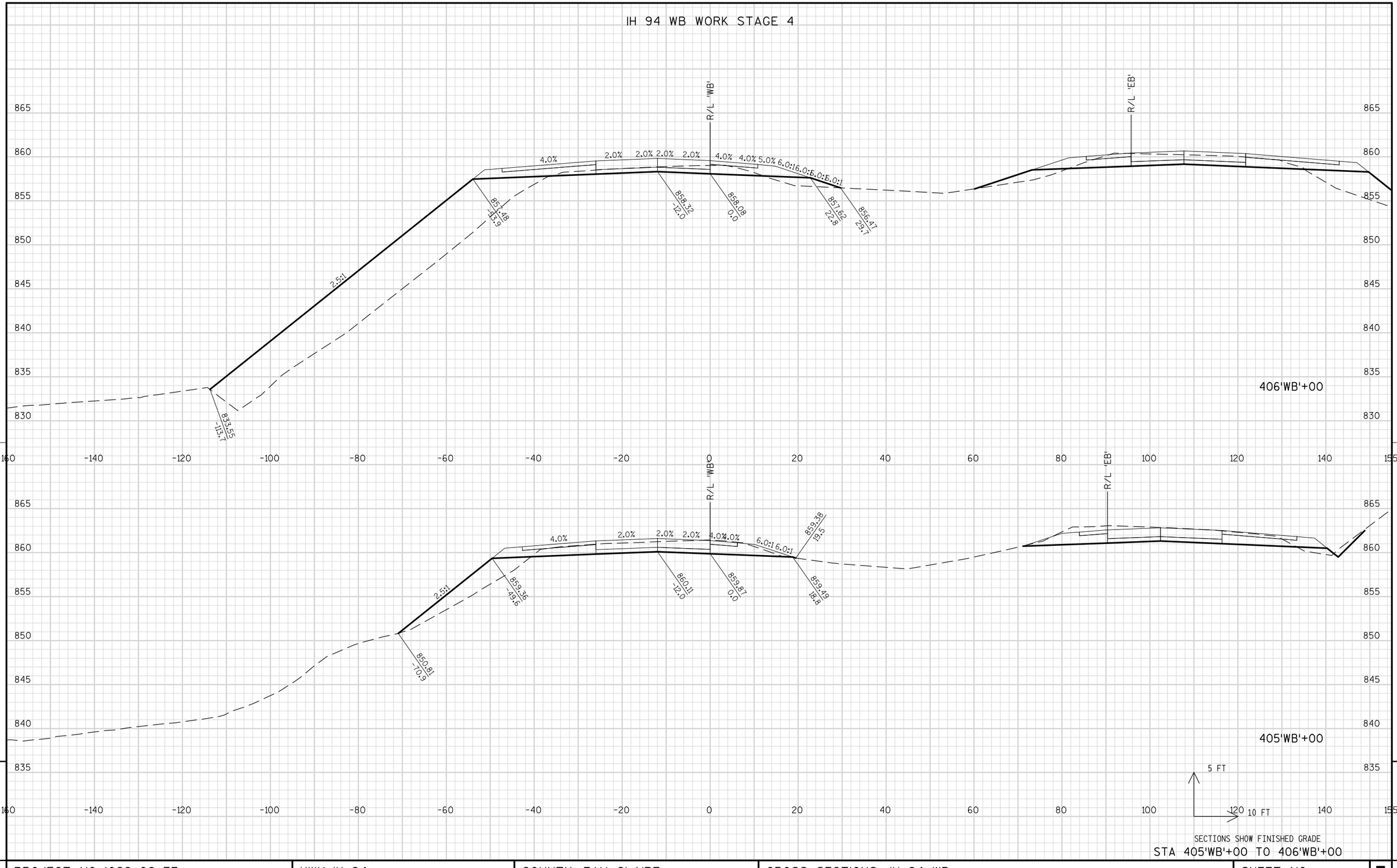


PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 WB	SHEET NO: 1081 E

FILE NAME : CH_0803_090202_xs.dgn | PLOT DATE : 08-MAR-2013 | PLOT BY : jpieroni | PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

IH 94 WB WORK STAGE 4

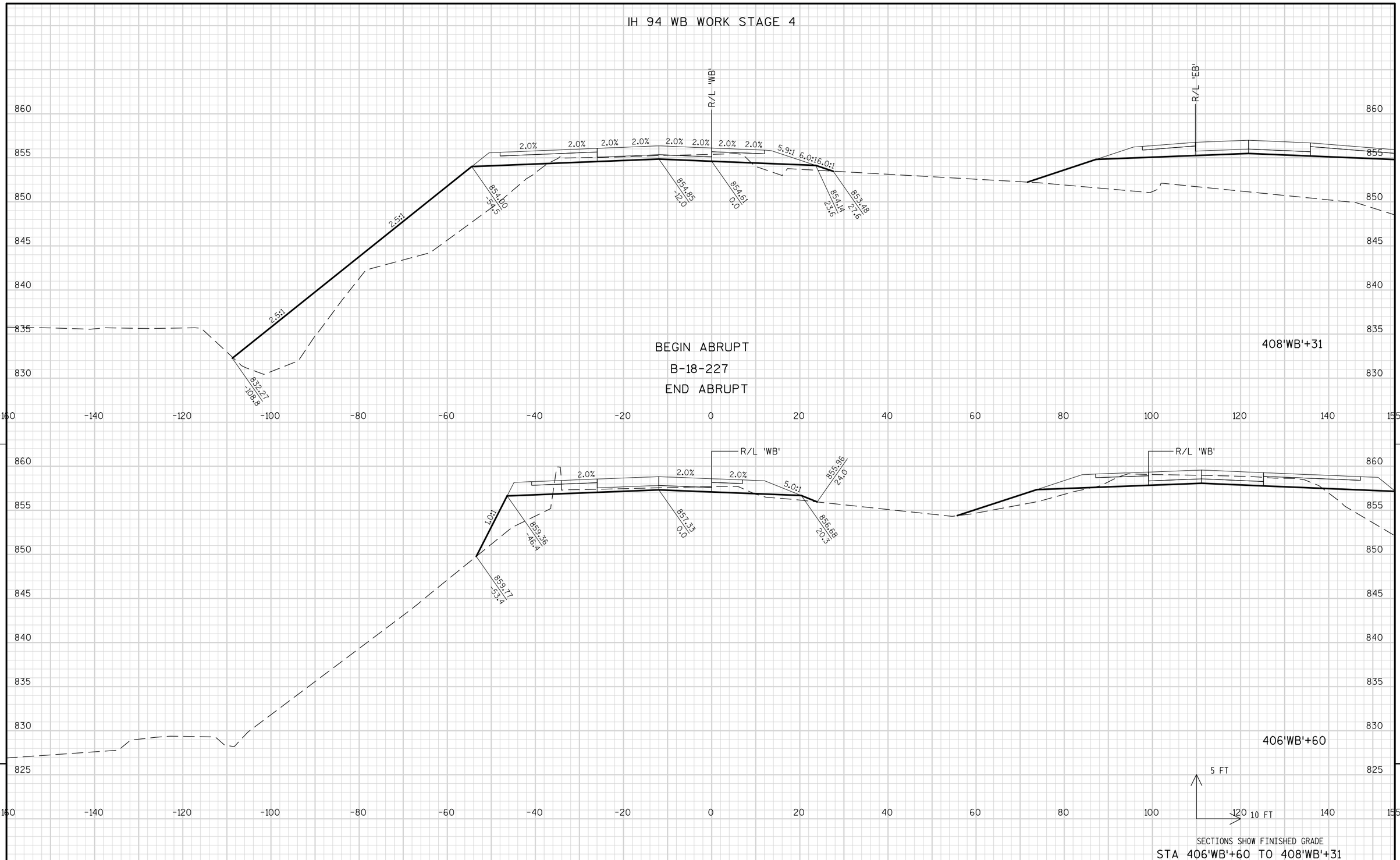


PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 WB	SHEET NO: 1082	E

FILE NAME : CH_0803_090202_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

IH 94 WB WORK STAGE 4



SECTIONS SHOW FINISHED GRADE

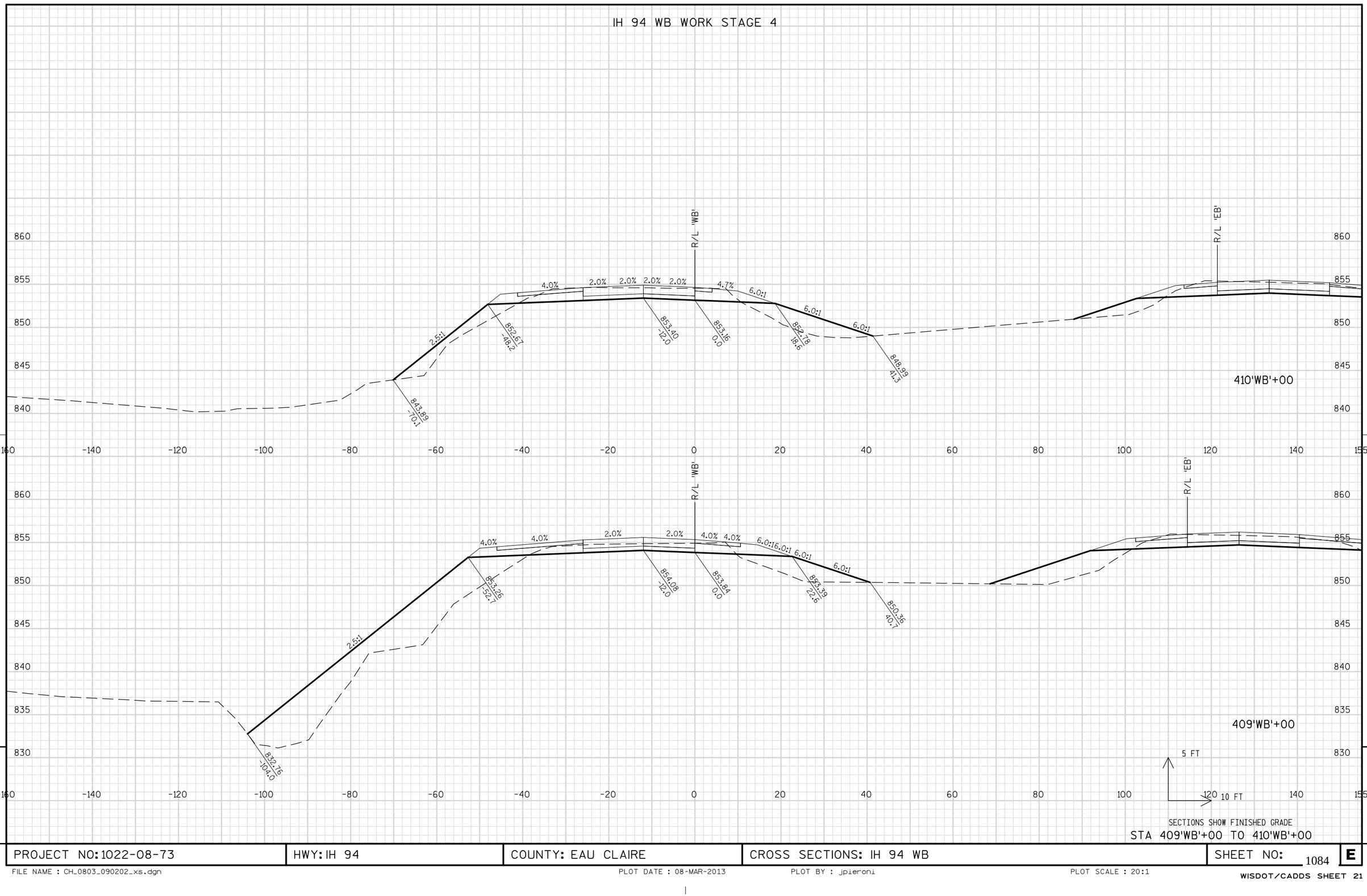
STA 406'WB'+60 TO 408'WB'+31

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 WB	SHEET NO: 1083	E

FILE NAME : CH_0803_090202_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

IH 94 WB WORK STAGE 4

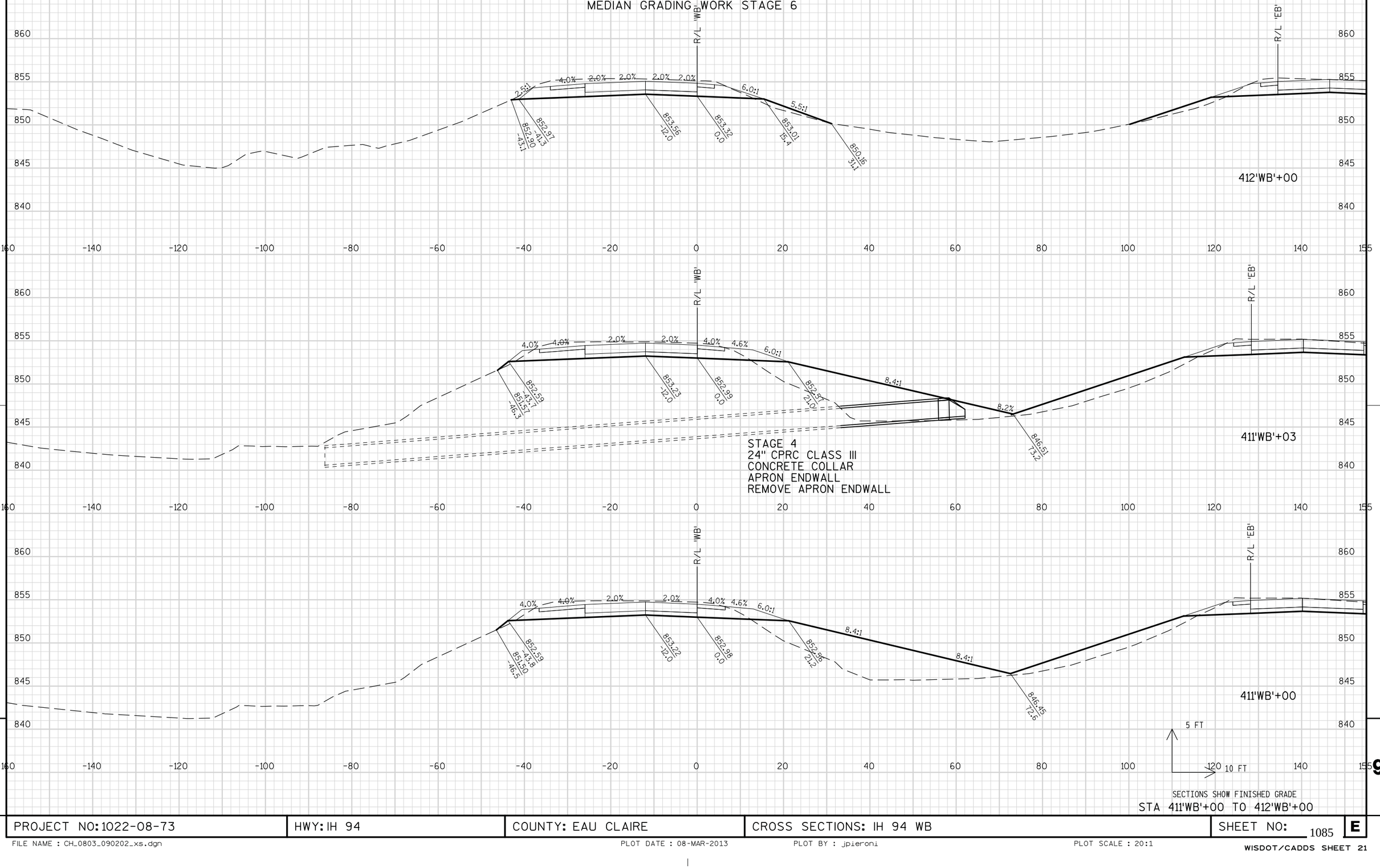


PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 WB	SHEET NO: 1084 E

FILE NAME : CH_0803_090202_xs.dgn | PLOT DATE : 08-MAR-2013 | PLOT BY : jpieroni | PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

IH 94 WB WORK STAGE 4
MEDIAN GRADING WORK STAGE 6



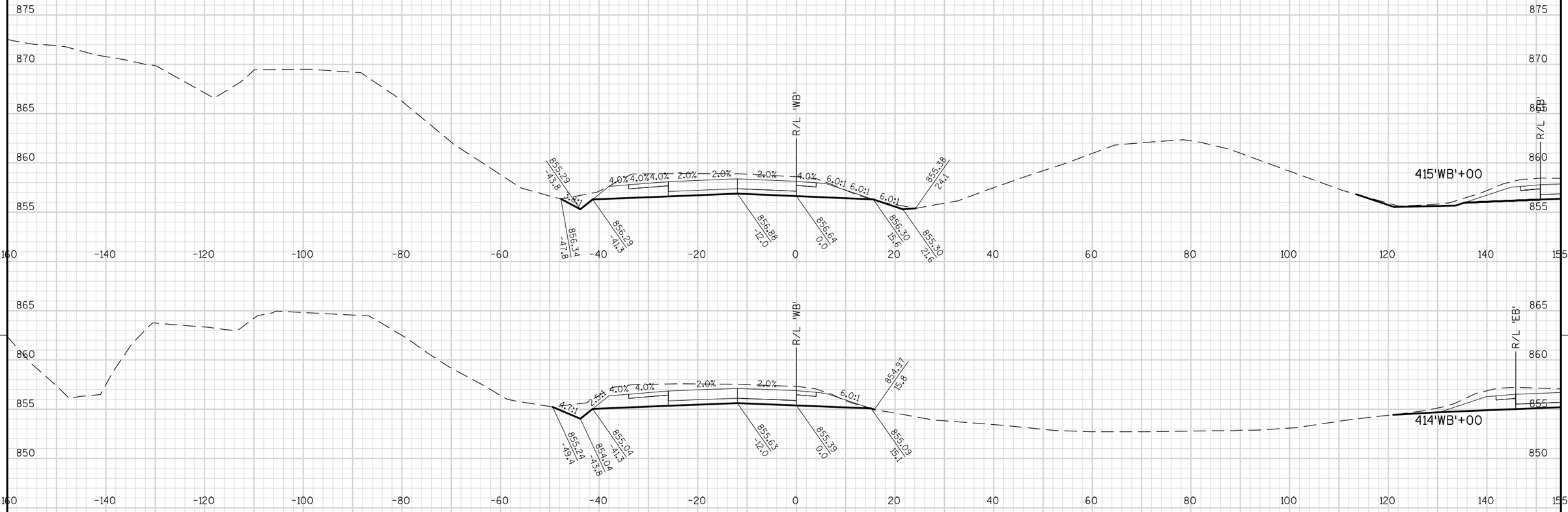
SECTIONS SHOW FINISHED GRADE
STA 411'WB'+00 TO 412'WB'+00

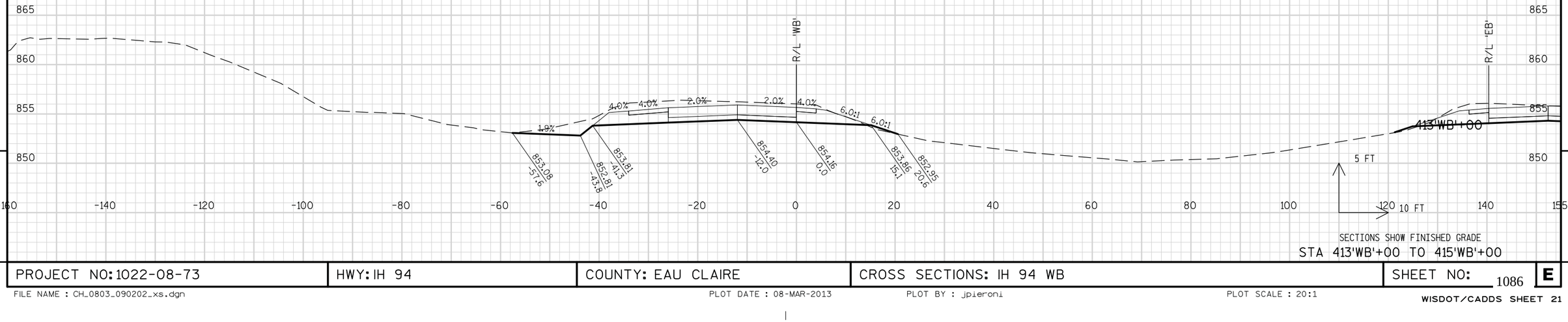
PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 WB	SHEET NO: 1085	E

FILE NAME : CH_0803_090202_xs.dgn
PLOT DATE : 08-MAR-2013
PLOT BY : jpieroni
PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

IH 94 WB WORK STAGE 4





SECTIONS SHOW FINISHED GRADE

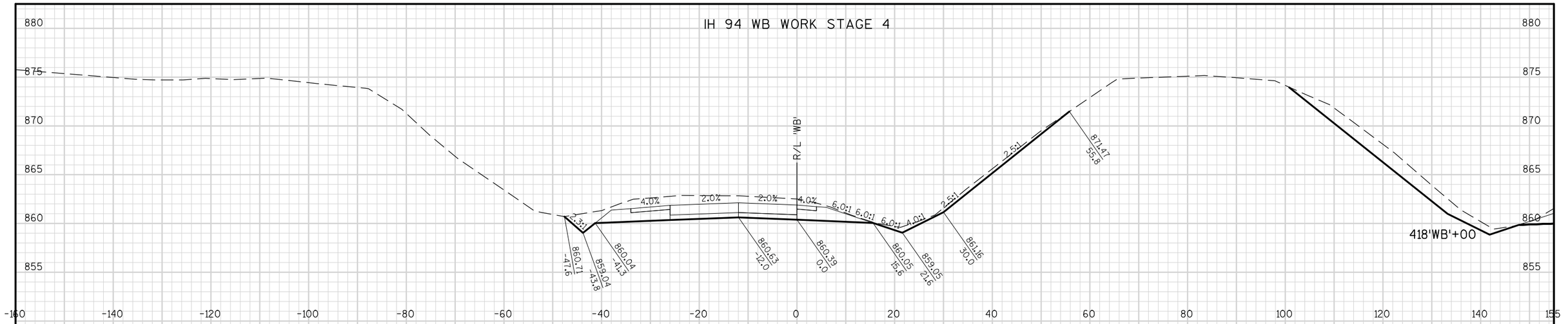
STA 413'WB'+00 TO 415'WB'+00

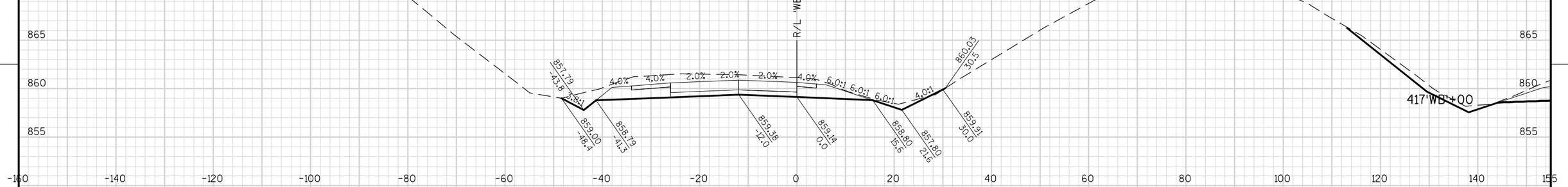
PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 WB	SHEET NO: 1086	E

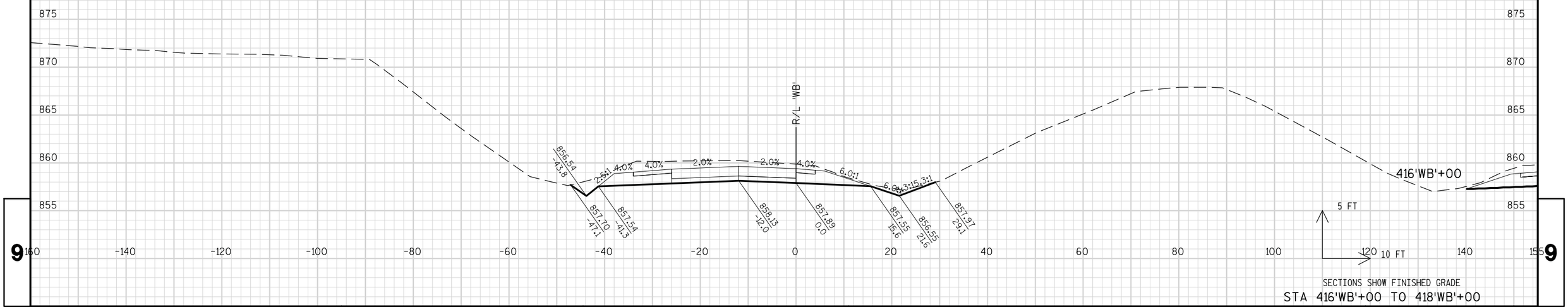
FILE NAME : CH_0803_090202_xs.dgn | PLOT DATE : 08-MAR-2013 | PLOT BY : jpieroni | PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

IH 94 WB WORK STAGE 4







SECTIONS SHOW FINISHED GRADE

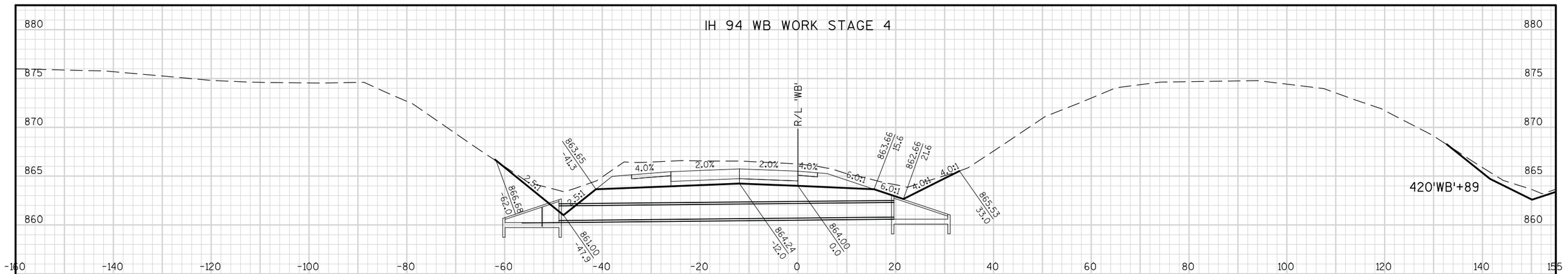
STA 416'WB'+00 TO 418'WB'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 WB	SHEET NO: 1087	E

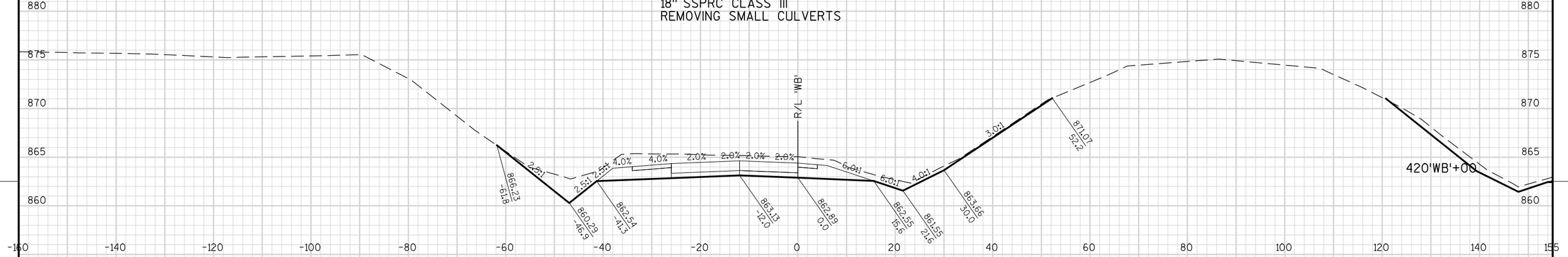
FILE NAME : CH_0803_090202_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

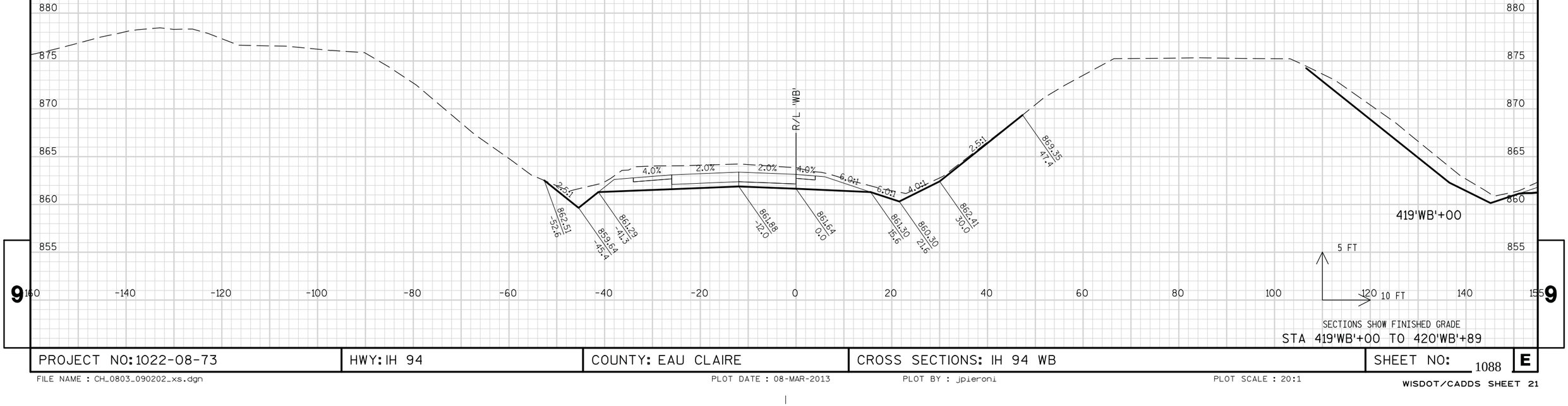
WISDOT/CADDS SHEET 21

IH 94 WB WORK STAGE 4



STAGE 4
INLETS MEDIAN 4 GRATE-MS
18" SSPRC CLASS III
REMOVING SMALL CULVERTS





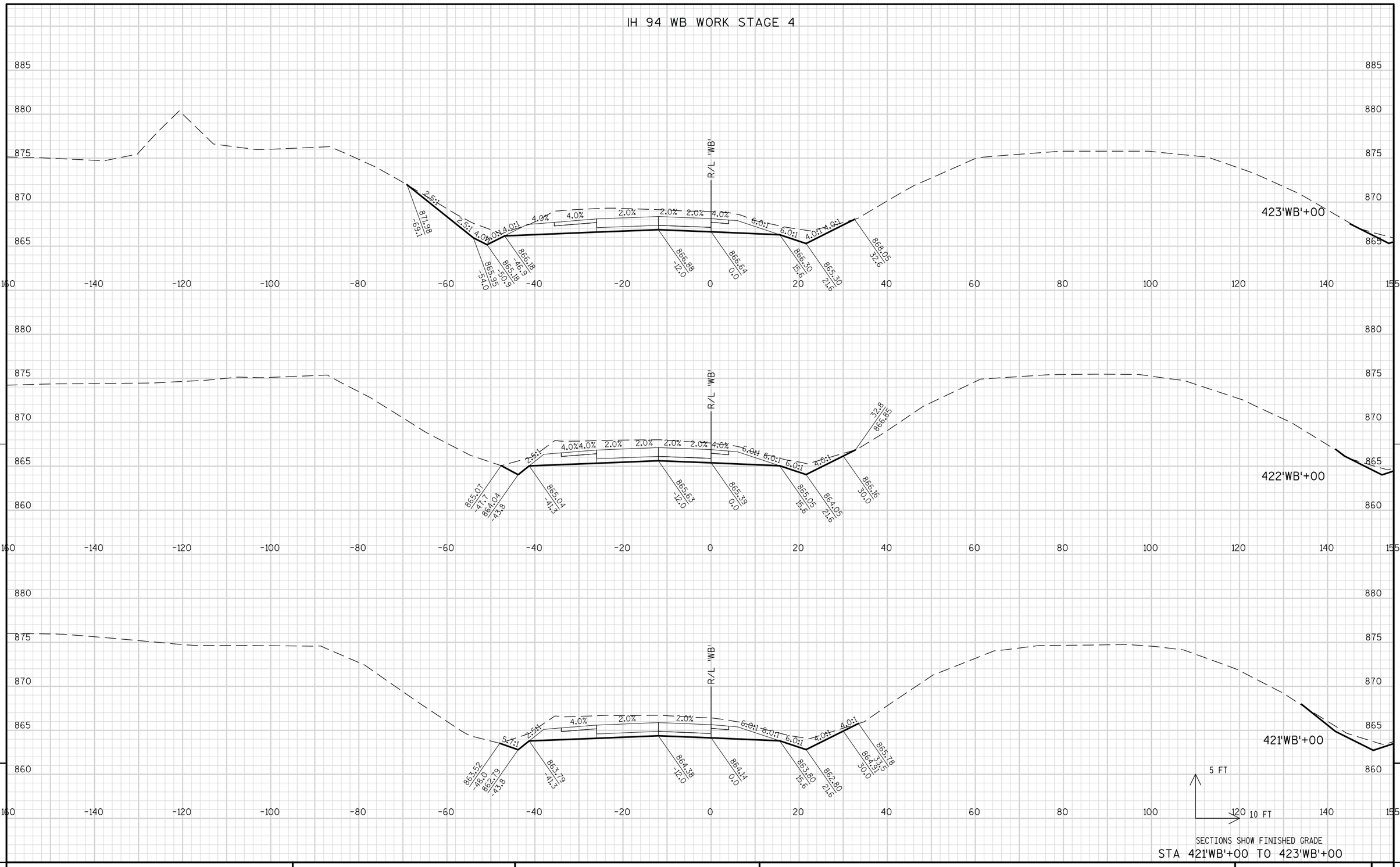
SECTIONS SHOW FINISHED GRADE
STA 419'WB'+00 TO 420'WB'+89

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 WB	SHEET NO: 1088	E

FILE NAME : CH_0803_090202_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

IH 94 WB WORK STAGE 4



SECTIONS SHOW FINISHED GRADE

STA 421'WB'+00 TO 423'WB'+00

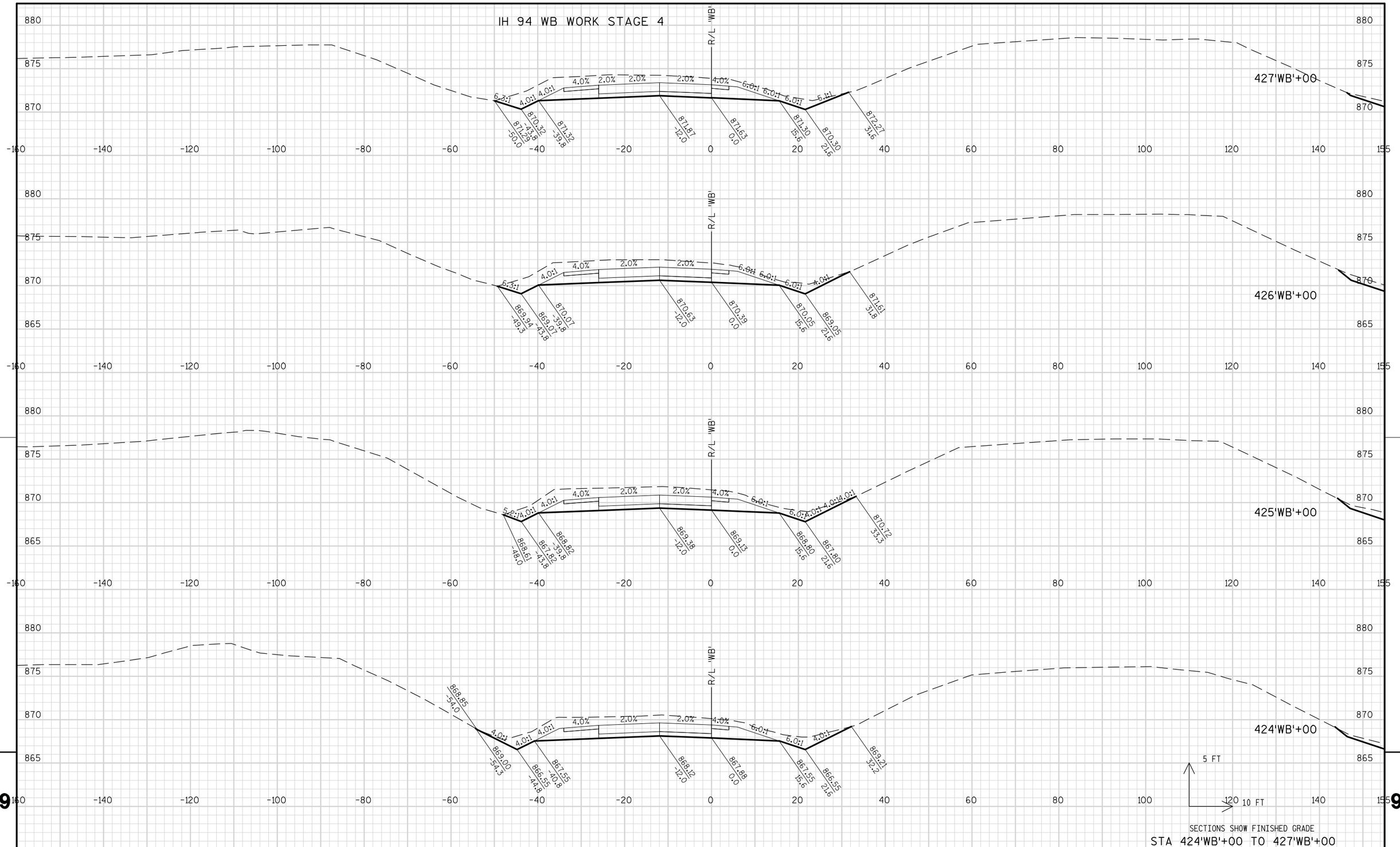
PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 WB	SHEET NO: 1089	E

FILE NAME : CH_0803_090202_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

9 9

IH 94 WB WORK STAGE 4



SECTIONS SHOW FINISHED GRADE

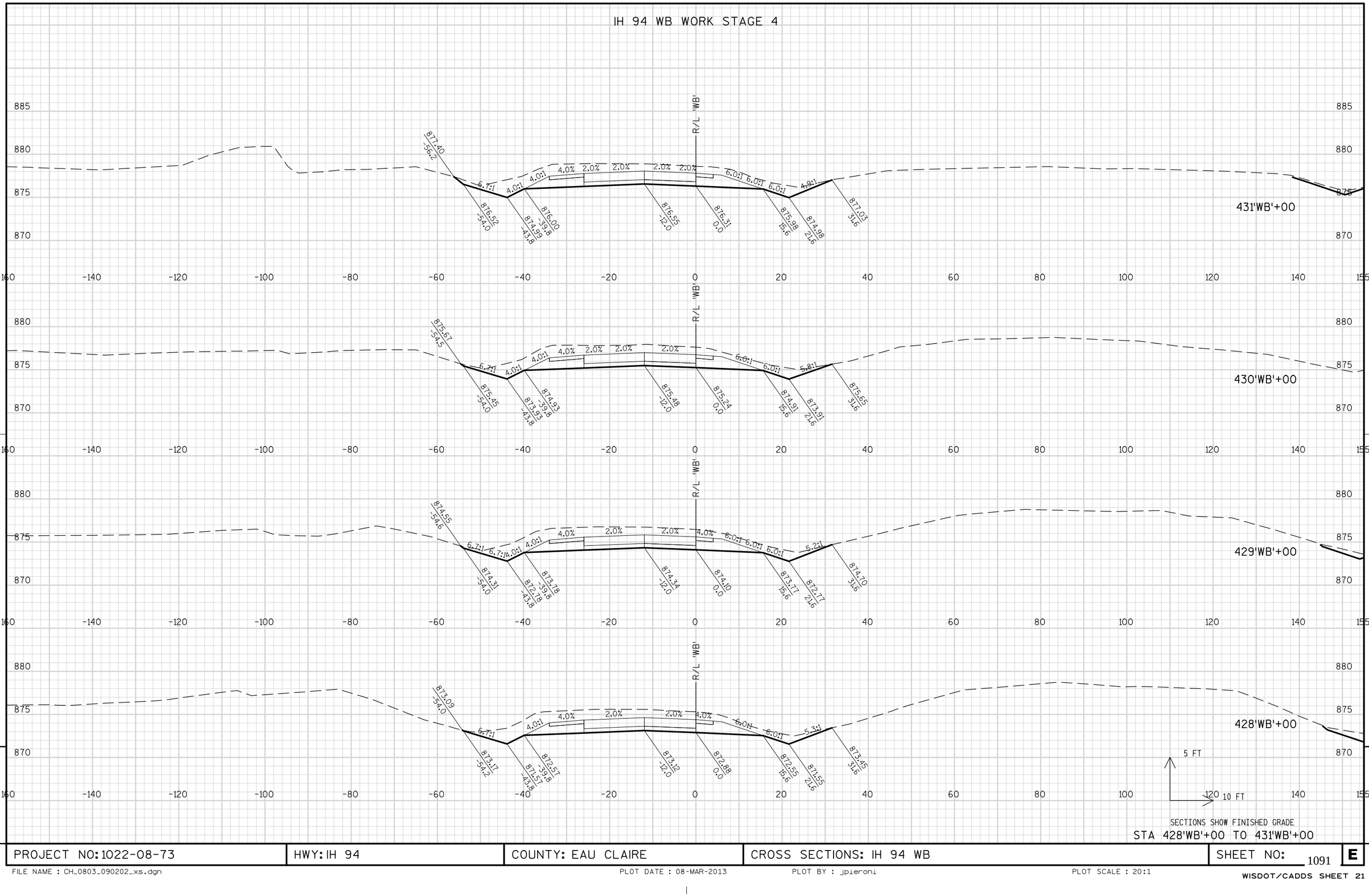
STA 424'WB'+00 TO 427'WB'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 WB	SHEET NO: 1090	E

FILE NAME : CH_0803_090202_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

IH 94 WB WORK STAGE 4



SECTIONS SHOW FINISHED GRADE

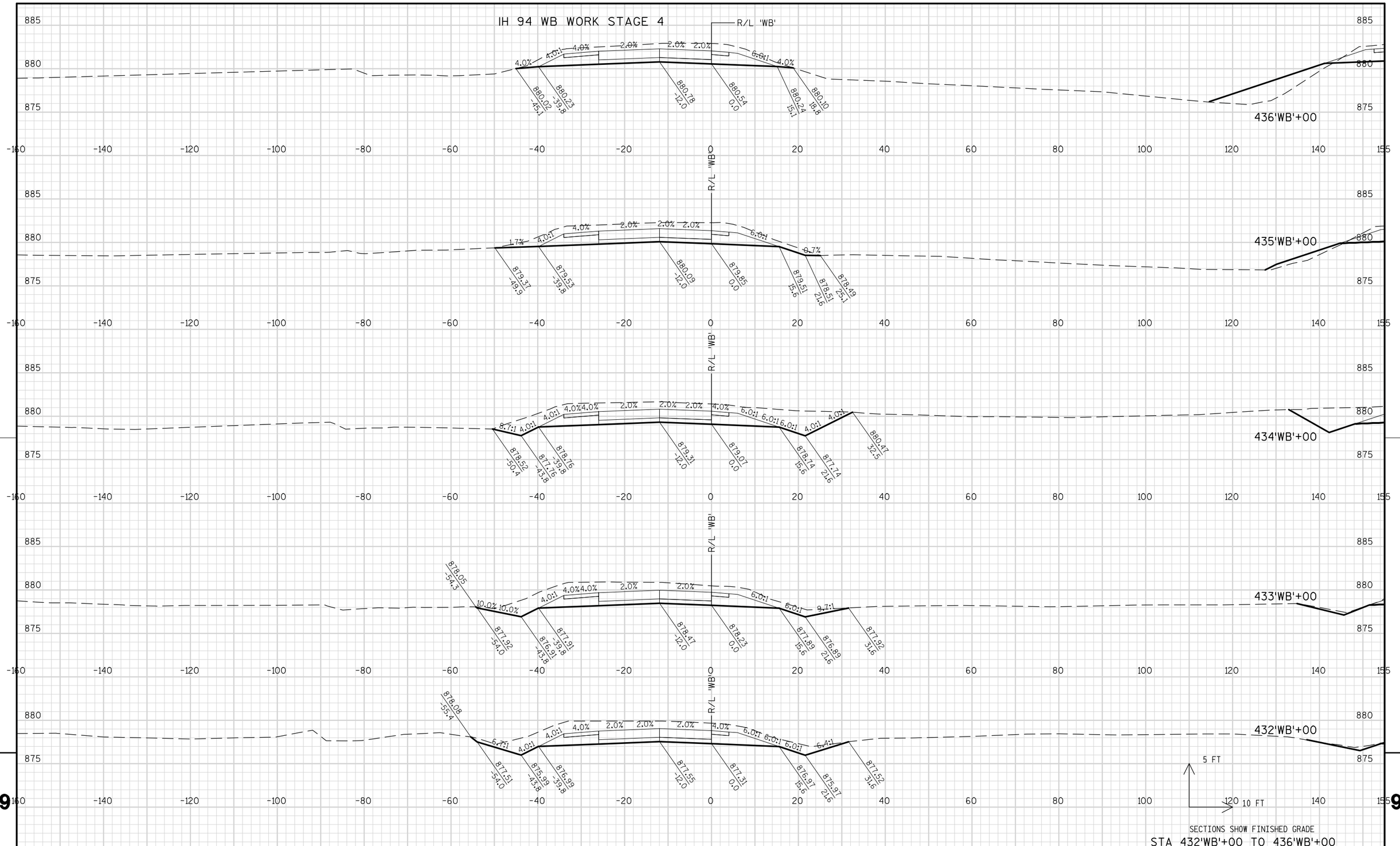
STA 428'WB'+00 TO 431'WB'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 WB	SHEET NO: 1091 E

FILE NAME : CH_0803_090202_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

IH 94 WB WORK STAGE 4



SECTIONS SHOW FINISHED GRADE

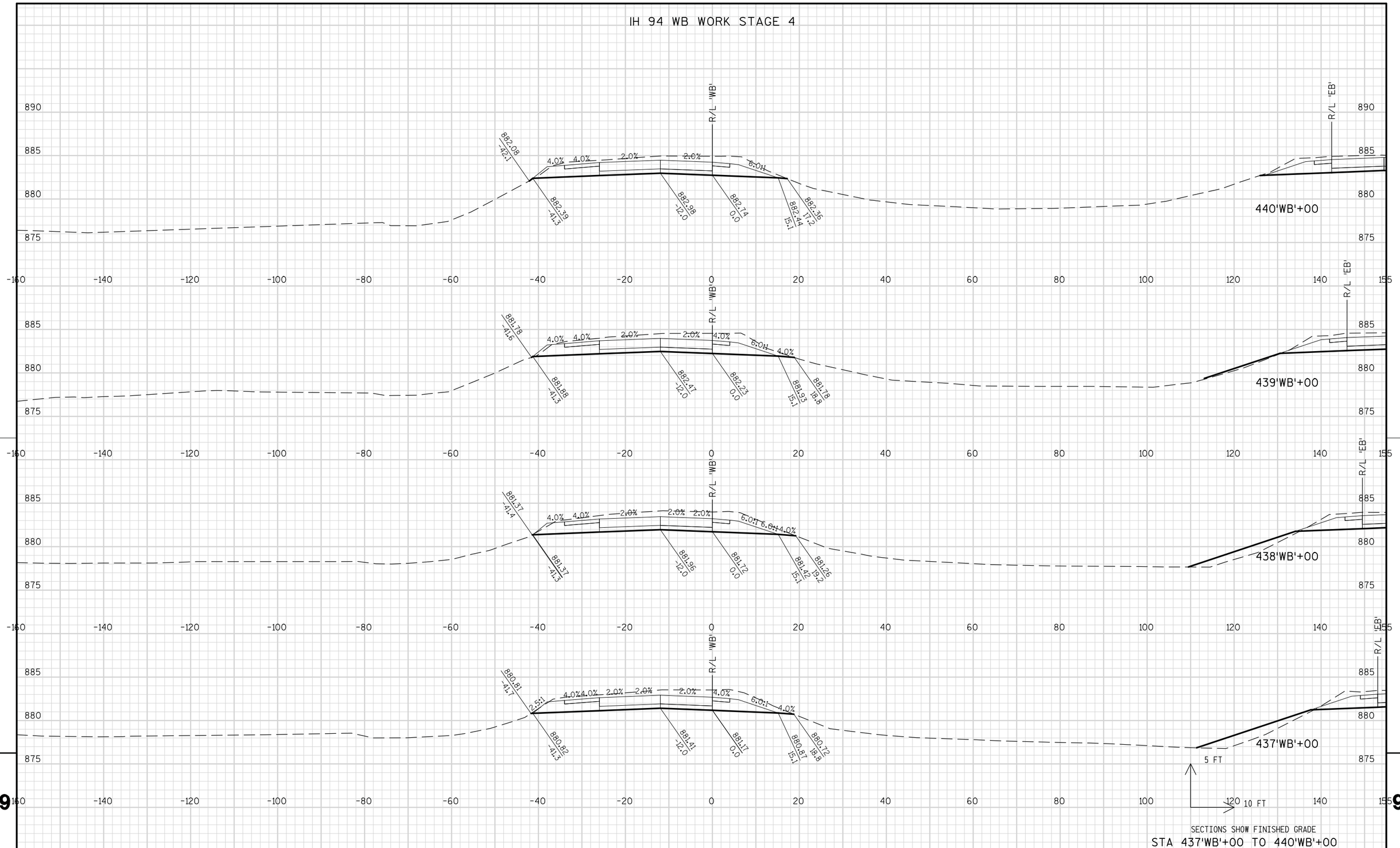
STA 432'WB'+00 TO 436'WB'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 WB	SHEET NO: 1092	E

FILE NAME : CH_0803_090202_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

IH 94 WB WORK STAGE 4



SECTIONS SHOW FINISHED GRADE

STA 437'WB'+00 TO 440'WB'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 WB	SHEET NO: 1093 E

FILE NAME : CH_0803_090202_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

IH 94 WB WORK STAGE 4

SECTIONS SHOW FINISHED GRADE

STA 441'WB'+00 TO 443'WB'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 WB	SHEET NO: 1094	E

FILE NAME : CH_0803_090202_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

IH 94 WB WORK STAGE 4

SECTIONS SHOW FINISHED GRADE

STA 444'WB'+00 TO 446'WB'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 WB	SHEET NO: 1095	E

FILE NAME : CH_0803_090202_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

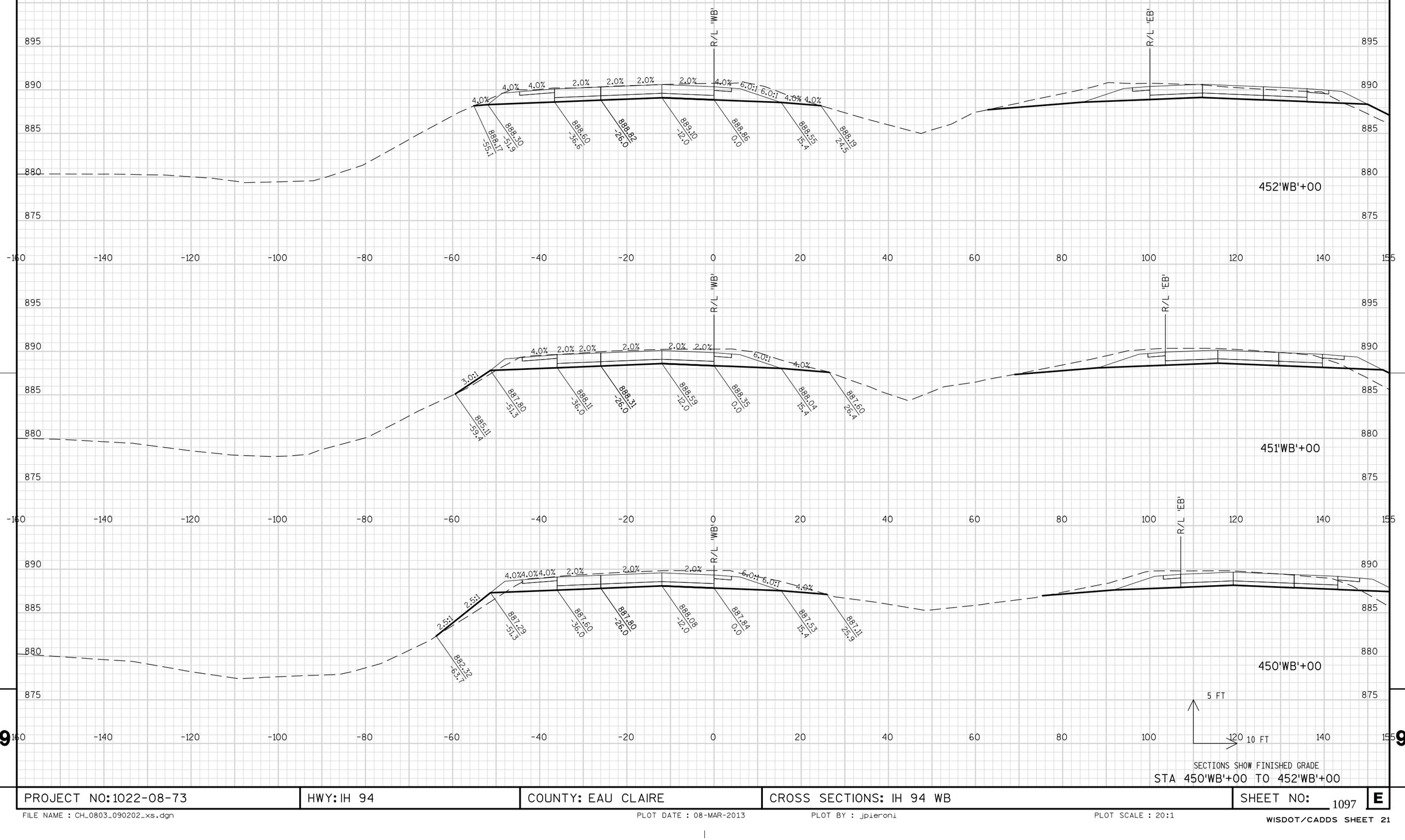
IH 94 WB WORK STAGE 4

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 WB	SHEET NO: 1096 E

FILE NAME : CH_0803_090202_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

IH 94 WB WORK STAGE 4



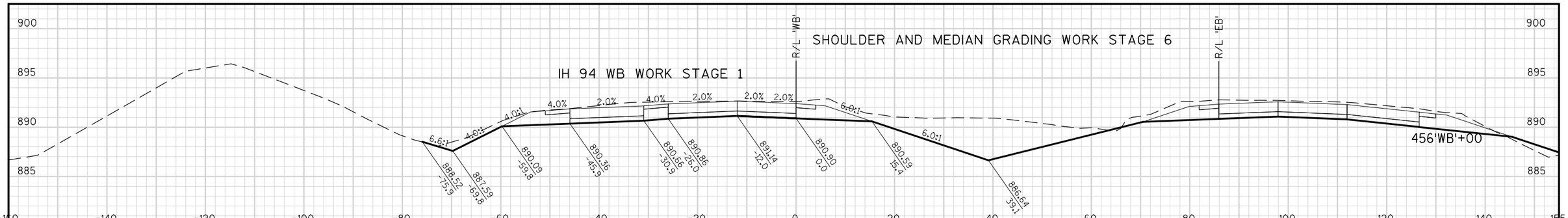
PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 WB	SHEET NO: 1097	E

FILE NAME : CH_0803_090202_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

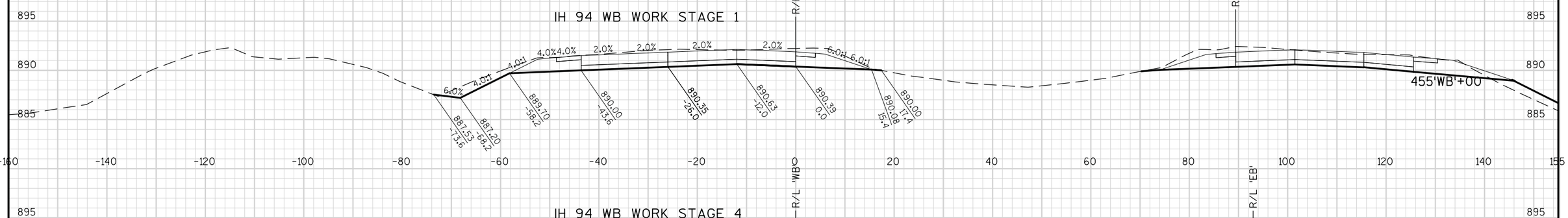
WISDOT/CADDS SHEET 21

IH 94 WB WORK STAGE 1

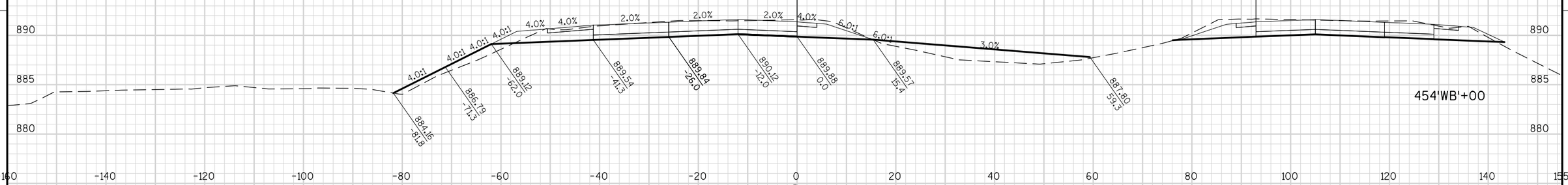
SHOULDER AND MEDIAN GRADING WORK STAGE 6



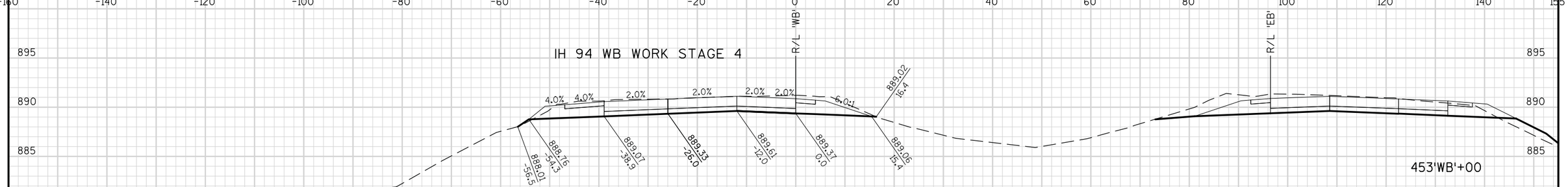
IH 94 WB WORK STAGE 1



IH 94 WB WORK STAGE 4



IH 94 WB WORK STAGE 4



PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 WB	SHEET NO: 1098 E

FILE NAME : CH_0803_090202_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

IH 94 WB WORK STAGE 1
MEDIAN GRADING WORK STAGE 6

SECTIONS SHOW FINISHED GRADE

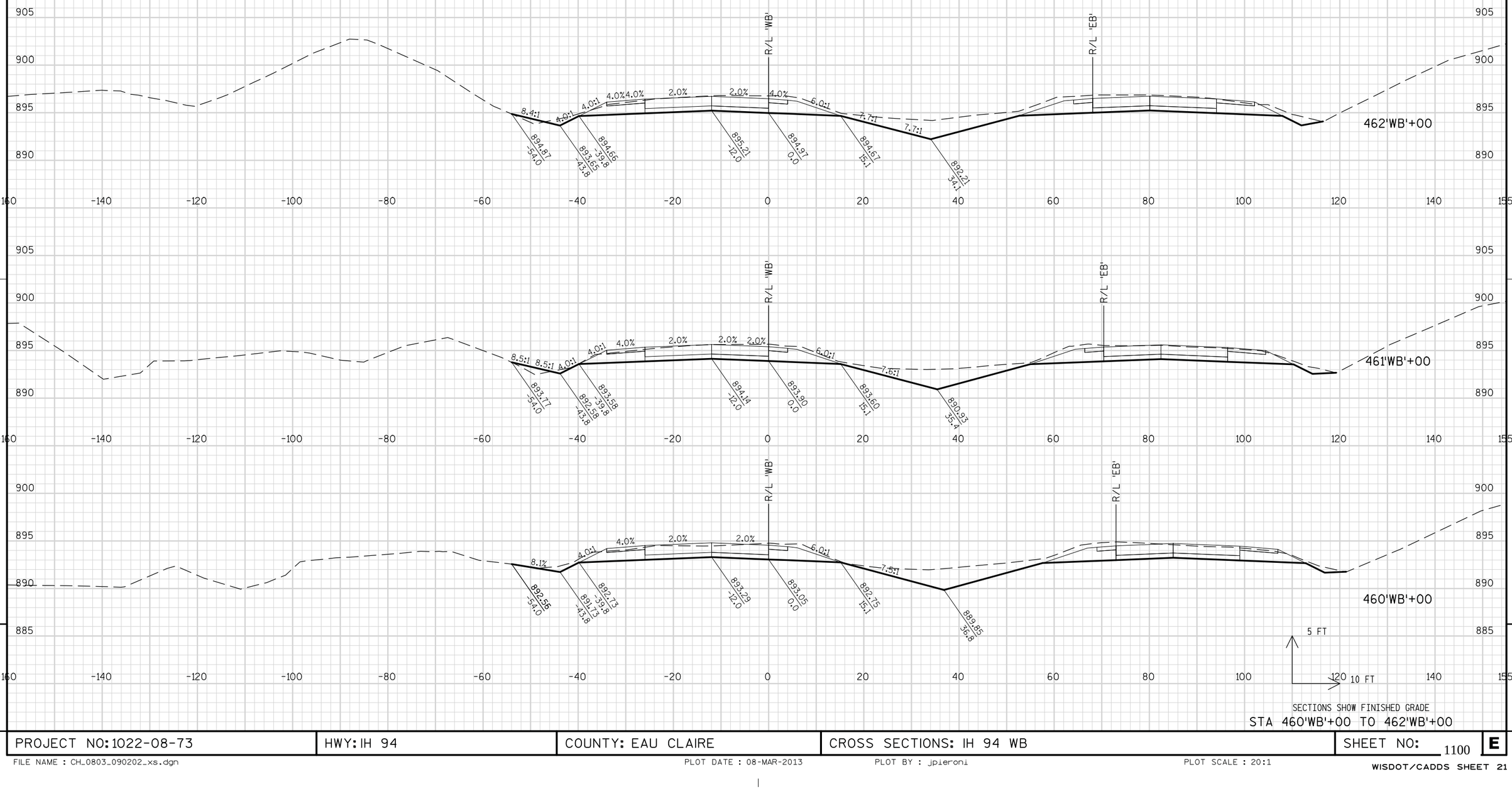
STA 457'WB'+00 TO 459'WB'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 WB	SHEET NO: 1099	E

FILE NAME : CH_0803_090202_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

IH 94 WB WORK STAGE 1
MEDIAN GRADING WORK STAGE 6



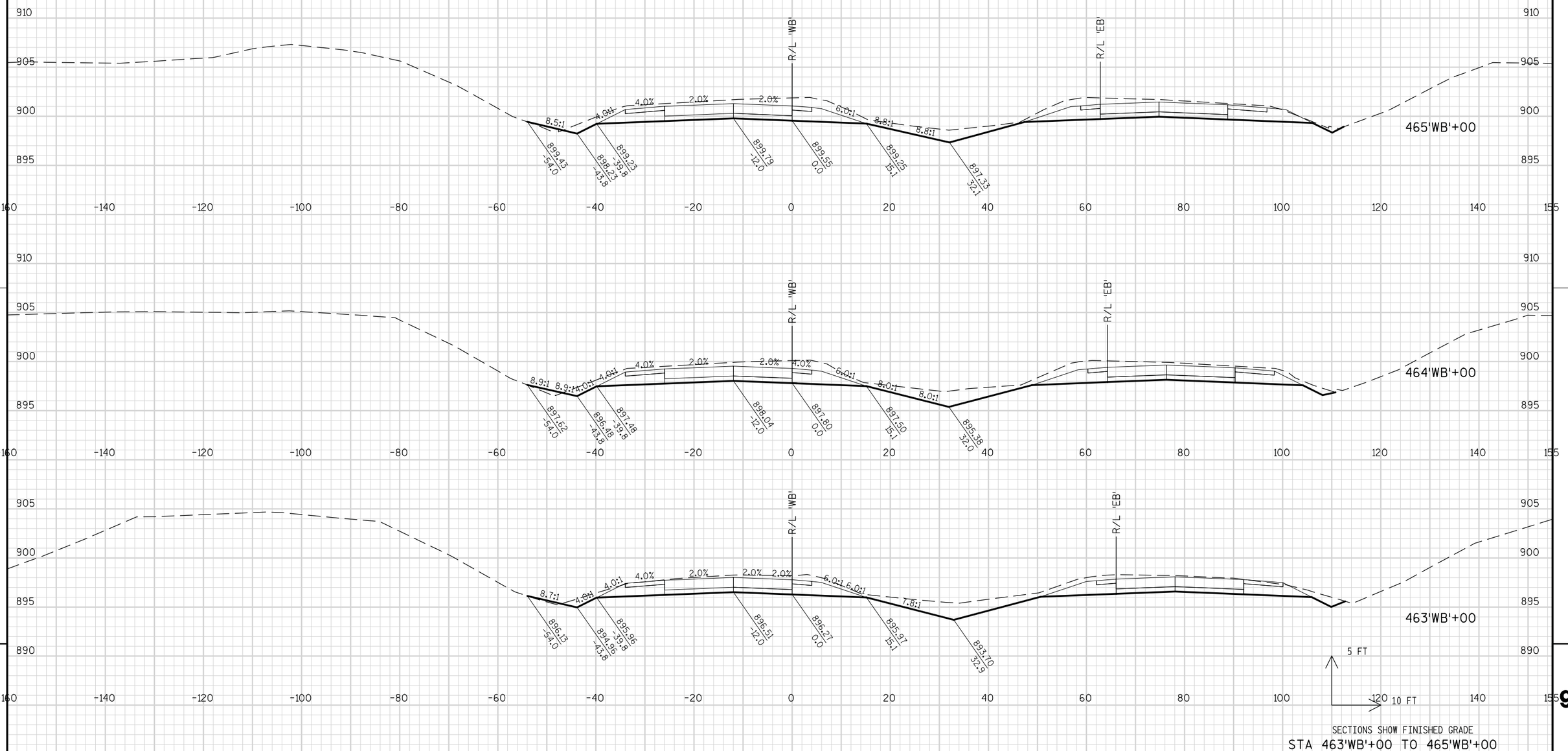
SECTIONS SHOW FINISHED GRADE
STA 460'WB'+00 TO 462'WB'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 WB	SHEET NO: 1100	E

FILE NAME : CH_0803_090202_xs.dgn
PLOT DATE : 08-MAR-2013
PLOT BY : jpieroni
PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

IH 94 WB WORK STAGE 1
MEDIAN GRADING WORK STAGE 6

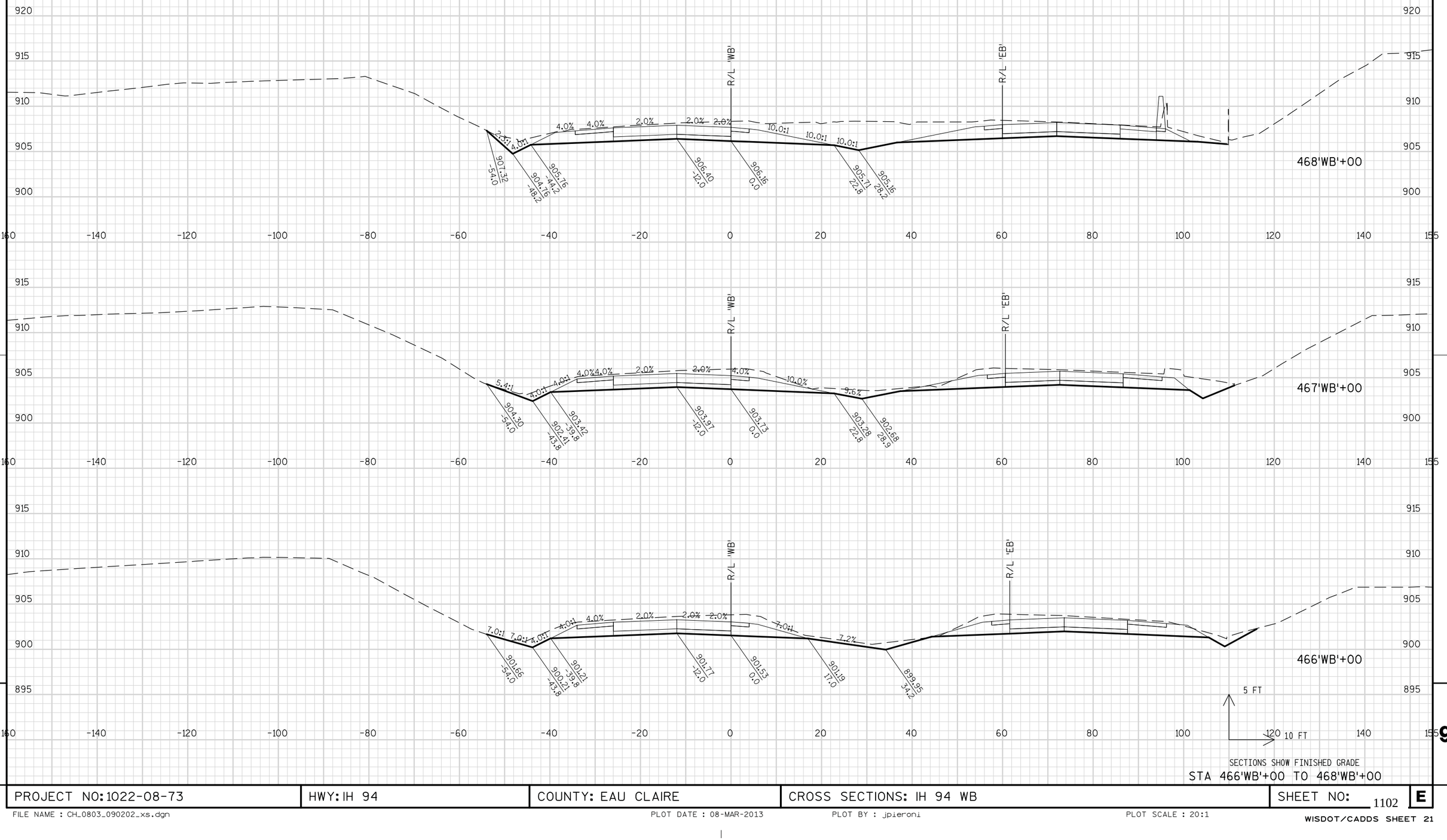


PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 WB	SHEET NO: 1101	E

FILE NAME : CH_0803_090202_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

IH 94 WB WORK STAGE 1
MEDIAN GRADING WORK STAGE 6



SECTIONS SHOW FINISHED GRADE

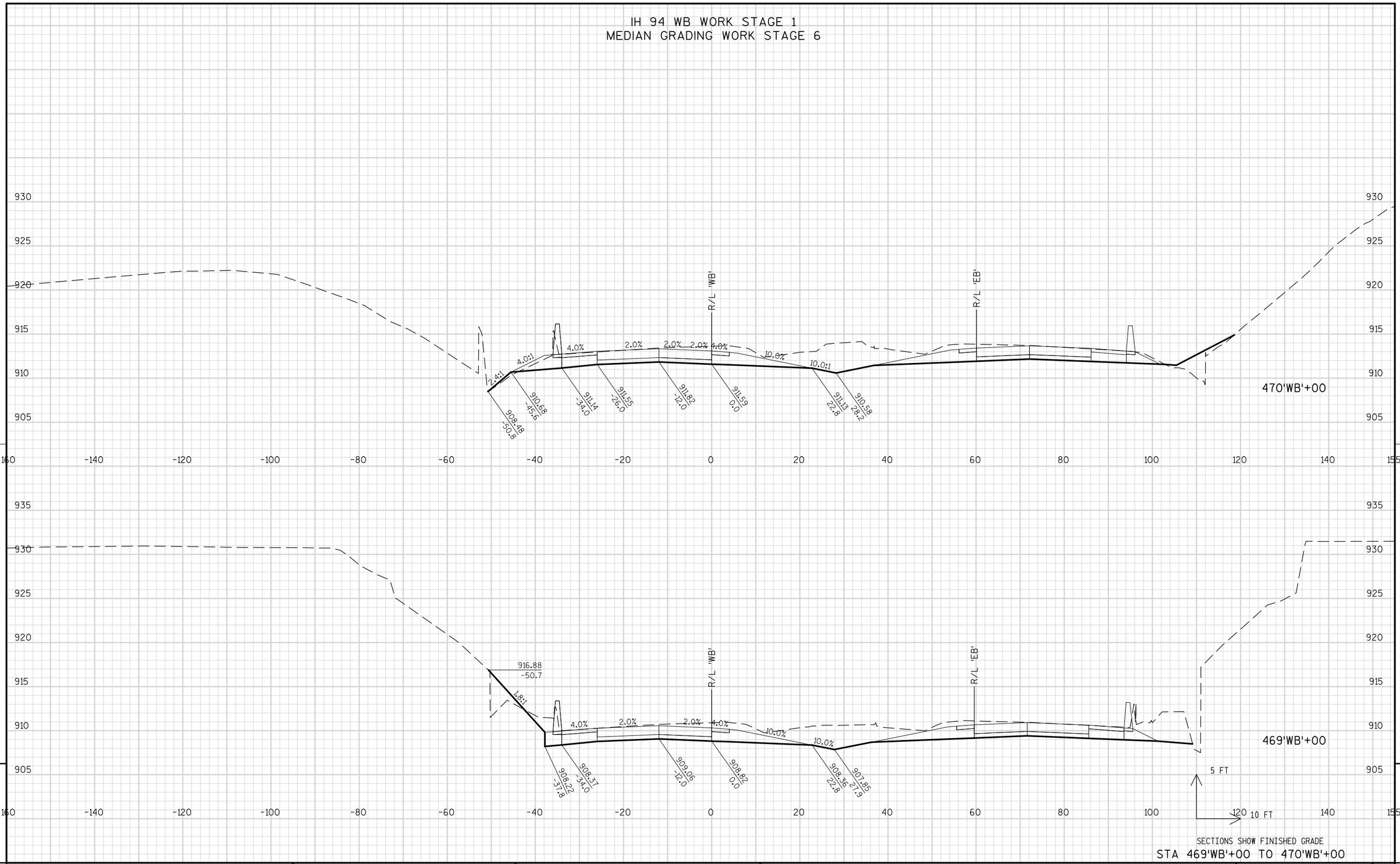
STA 466'WB'+00 TO 468'WB'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 WB	SHEET NO: 1102 E

FILE NAME : CH_0803_090202_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

IH 94 WB WORK STAGE 1
MEDIAN GRADING WORK STAGE 6

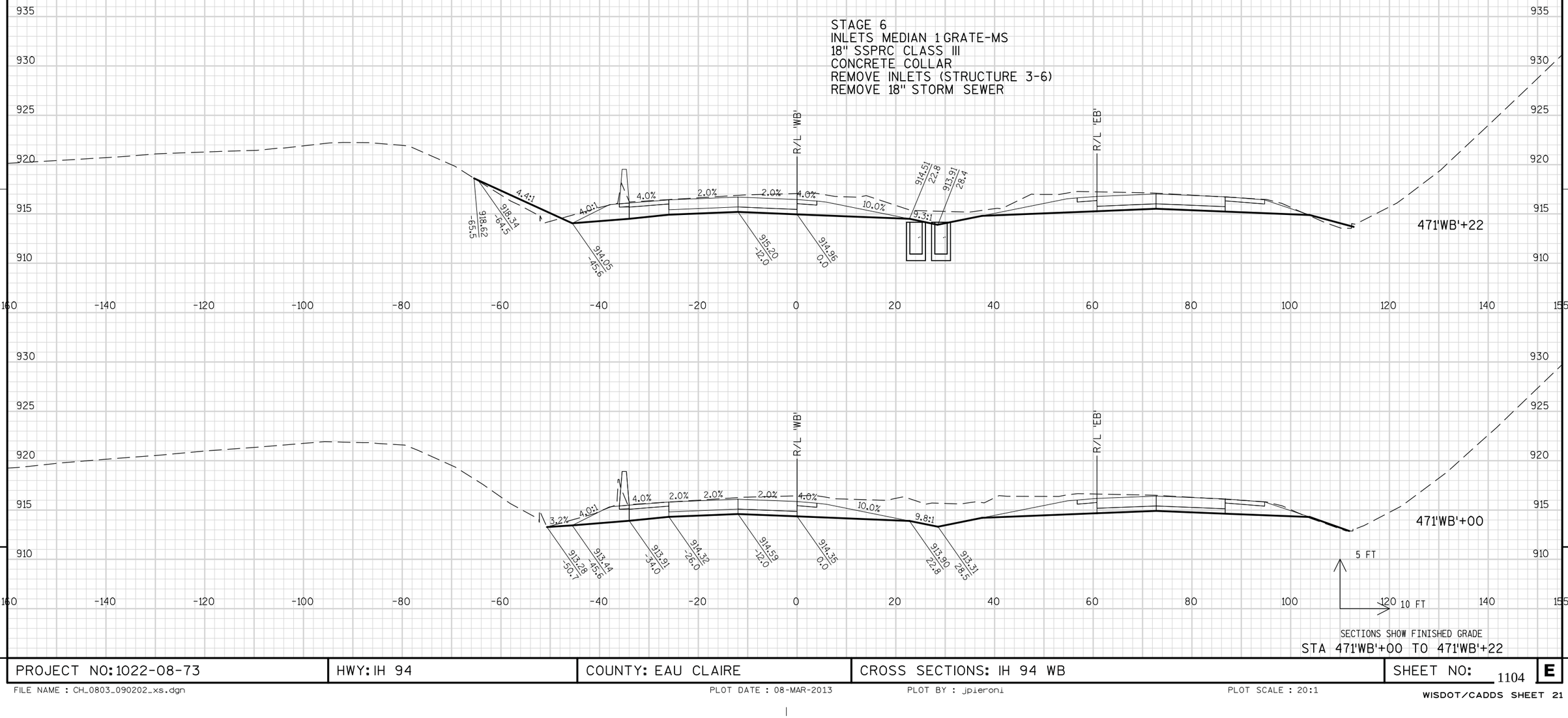


PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 WB	SHEET NO: 1103 E

FILE NAME : CH_0803_090202_xs.dgn | PLOT DATE : 08-MAR-2013 | PLOT BY : jpieroni | PLOT SCALE : 20:1

IH 94 WB WORK STAGE 1
MEDIAN GRADING WORK STAGE 6

STAGE 6
INLETS MEDIAN 1 GRATE-MS
18" SSPRC CLASS III
CONCRETE COLLAR
REMOVE INLETS (STRUCTURE 3-6)
REMOVE 18" STORM SEWER

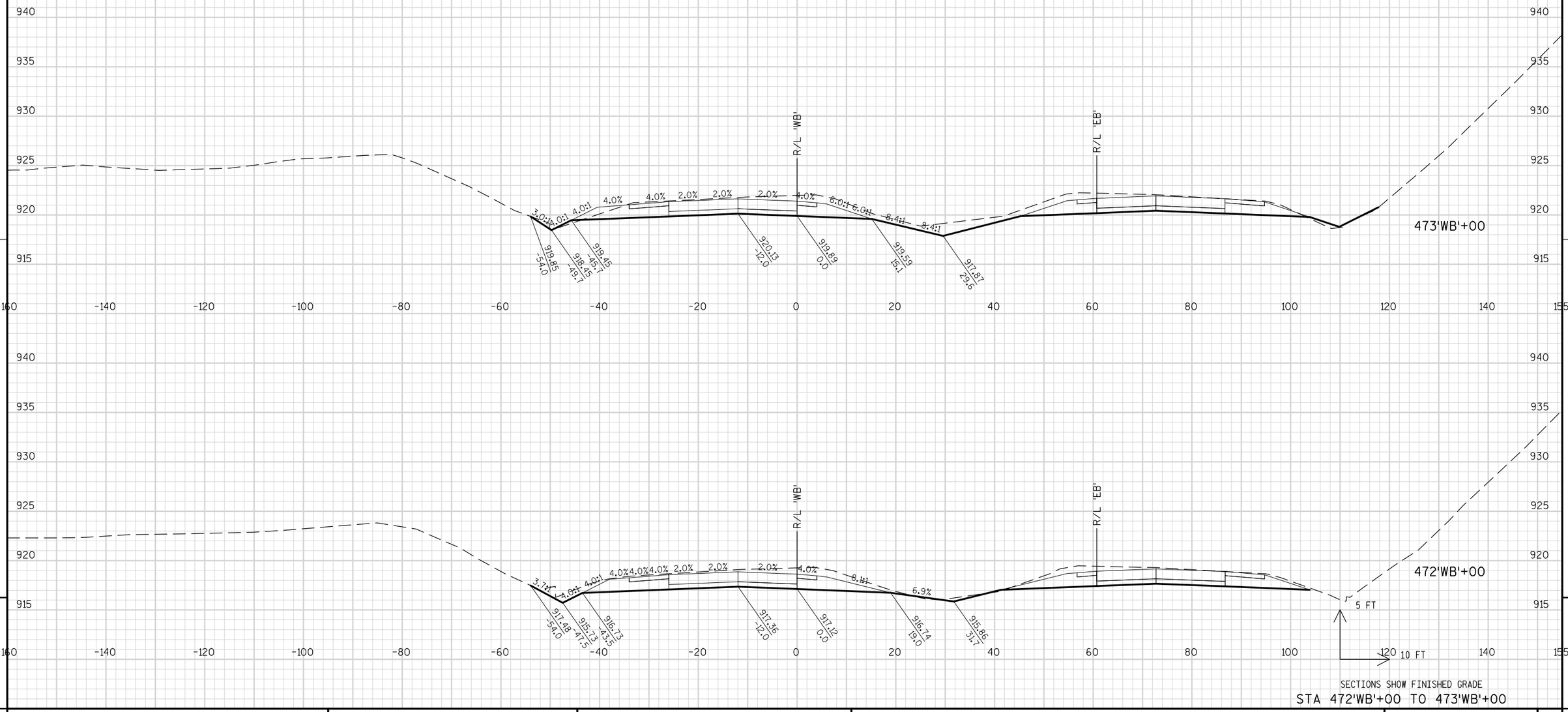


SECTIONS SHOW FINISHED GRADE
STA 471'WB'+00 TO 471'WB'+22

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 WB	SHEET NO: 1104	E

FILE NAME : CH_0803_090202_xs.dgn
PLOT DATE : 08-MAR-2013
PLOT BY : jpieroni
PLOT SCALE : 20:1
WISDOT/CADDS SHEET 21

IH 94 WB WORK STAGE 1
SHOULDER AND MEDIAN GRADING WORK STAGE 6



SECTIONS SHOW FINISHED GRADE

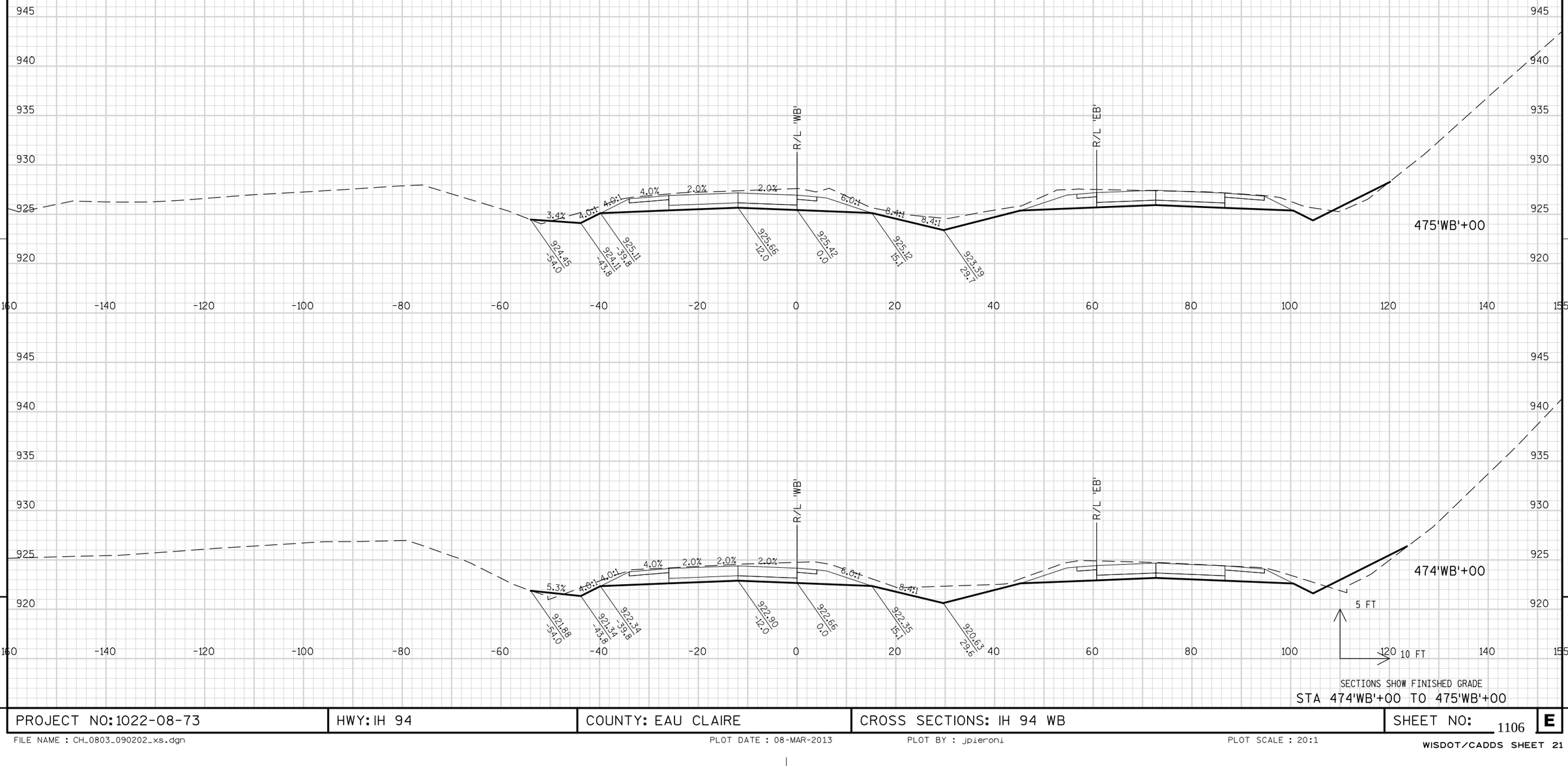
STA 472'WB'+00 TO 473'WB'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 WB	SHEET NO: 1105 E

FILE NAME : CH_0803_090202_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

IH 94 WB WORK STAGE 1
SHOULDER AND MEDIAN GRADING WORK STAGE 6



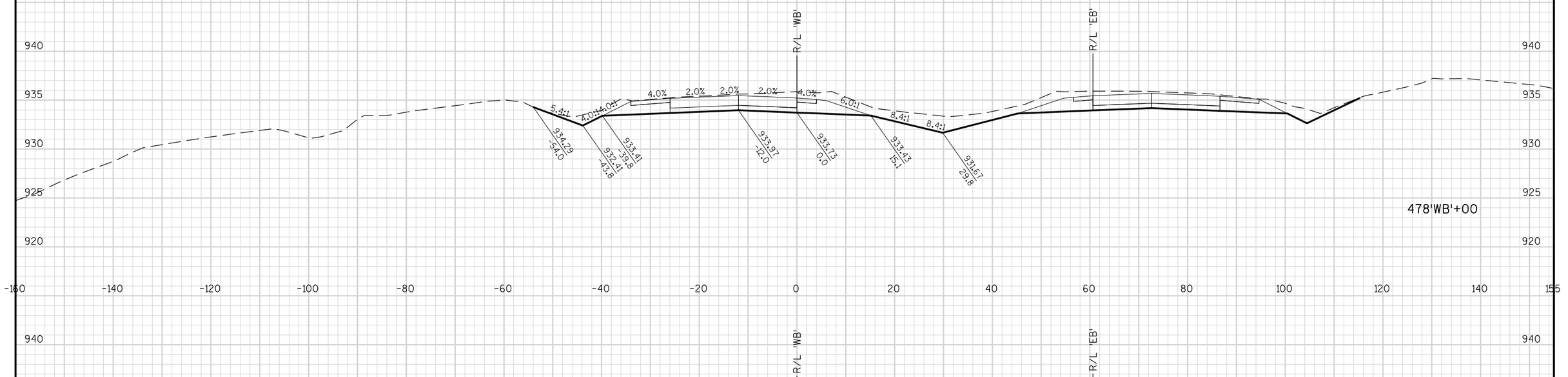
SECTIONS SHOW FINISHED GRADE
STA 474'WB'+00 TO 475'WB'+00

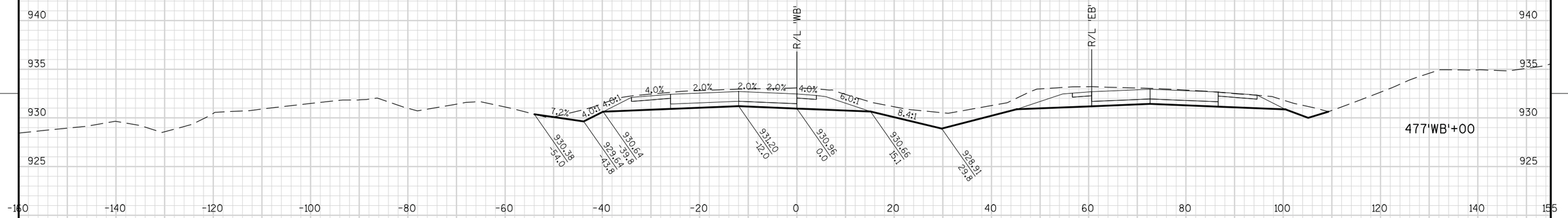
PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 WB	SHEET NO: 1106	E

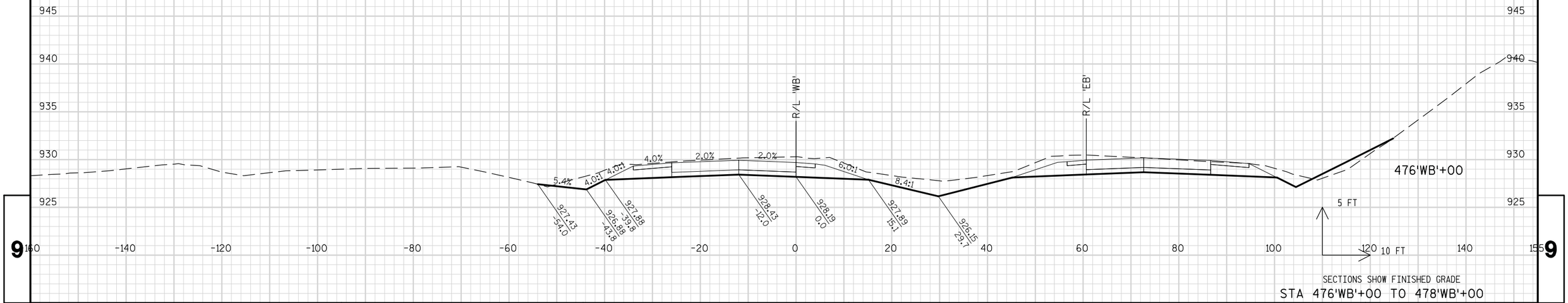
FILE NAME : CH_0803_090202_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

IH 94 WB WORK STAGE 1
SHOULDER AND MEDIAN GRADING WORK STAGE 6







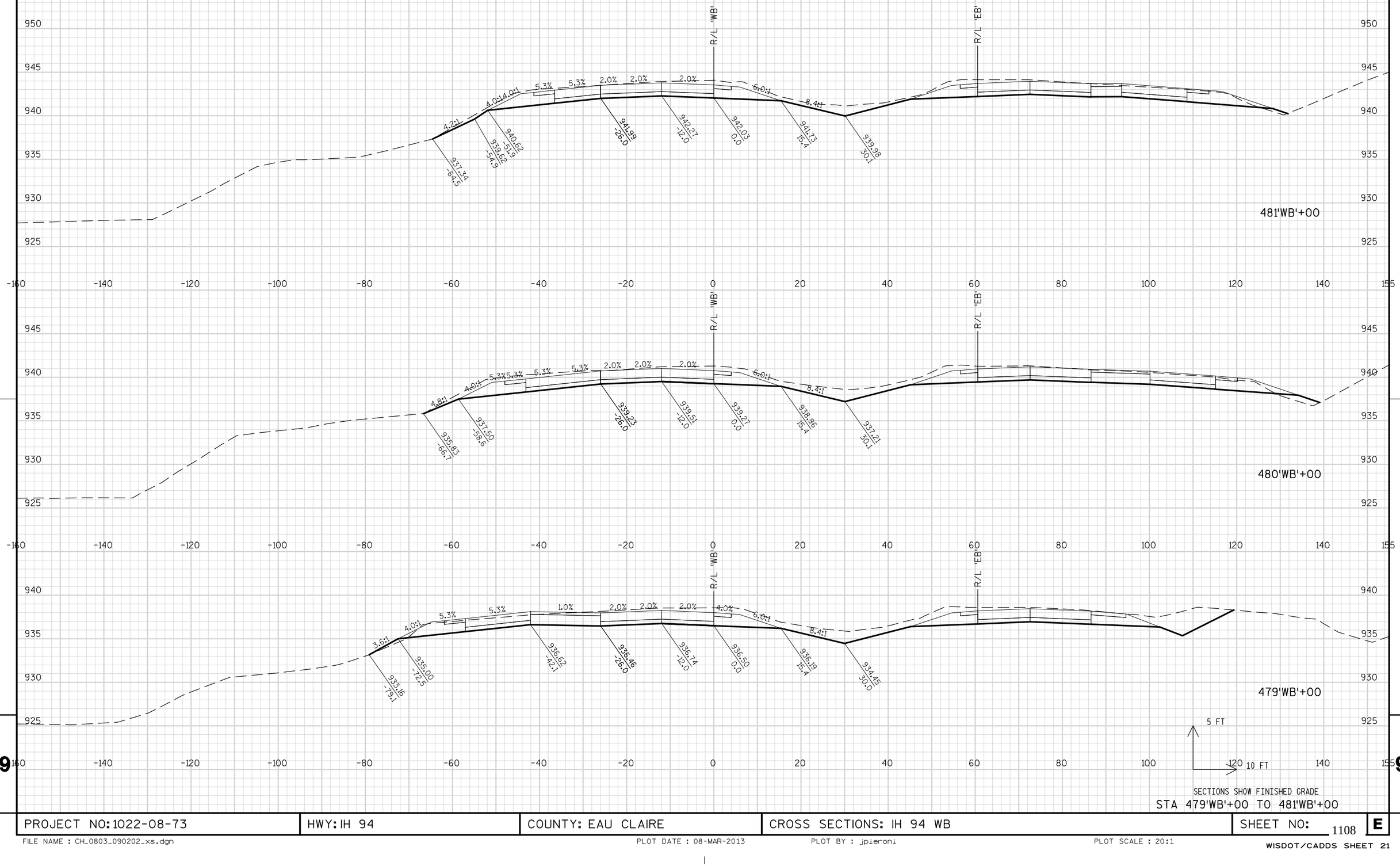
SECTIONS SHOW FINISHED GRADE
STA 476'WB'+00 TO 478'WB'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 WB	SHEET NO: 1107	E

FILE NAME : CH_0803_090202_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

IH 94 WB WORK STAGE 1
SHOULDER AND MEDIAN GRADING WORK STAGE 6



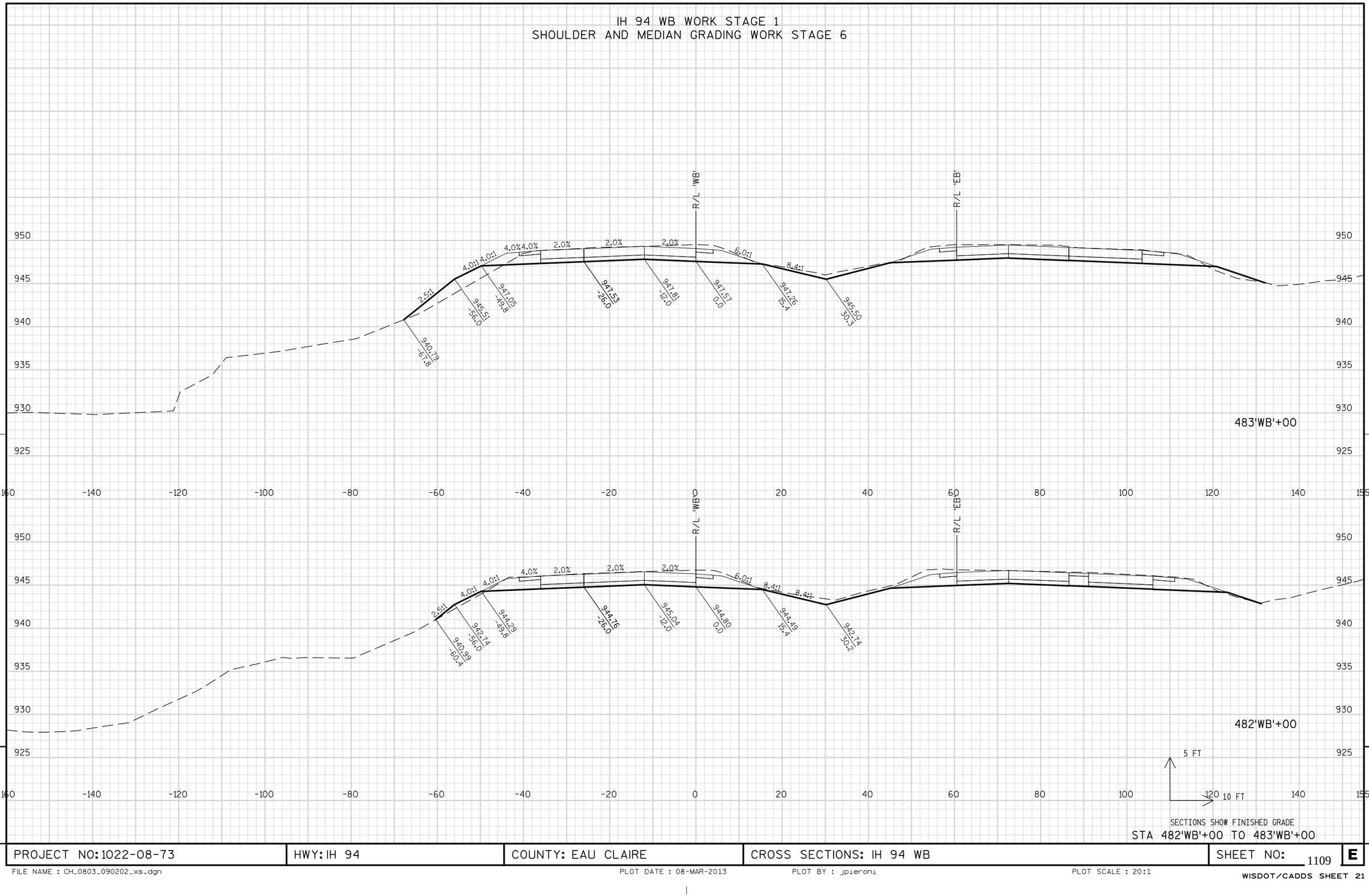
SECTIONS SHOW FINISHED GRADE
STA 479'WB'+00 TO 481'WB'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 WB	SHEET NO: 1108	E

FILE NAME : CH_0803_090202_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

IH 94 WB WORK STAGE 1
SHOULDER AND MEDIAN GRADING WORK STAGE 6

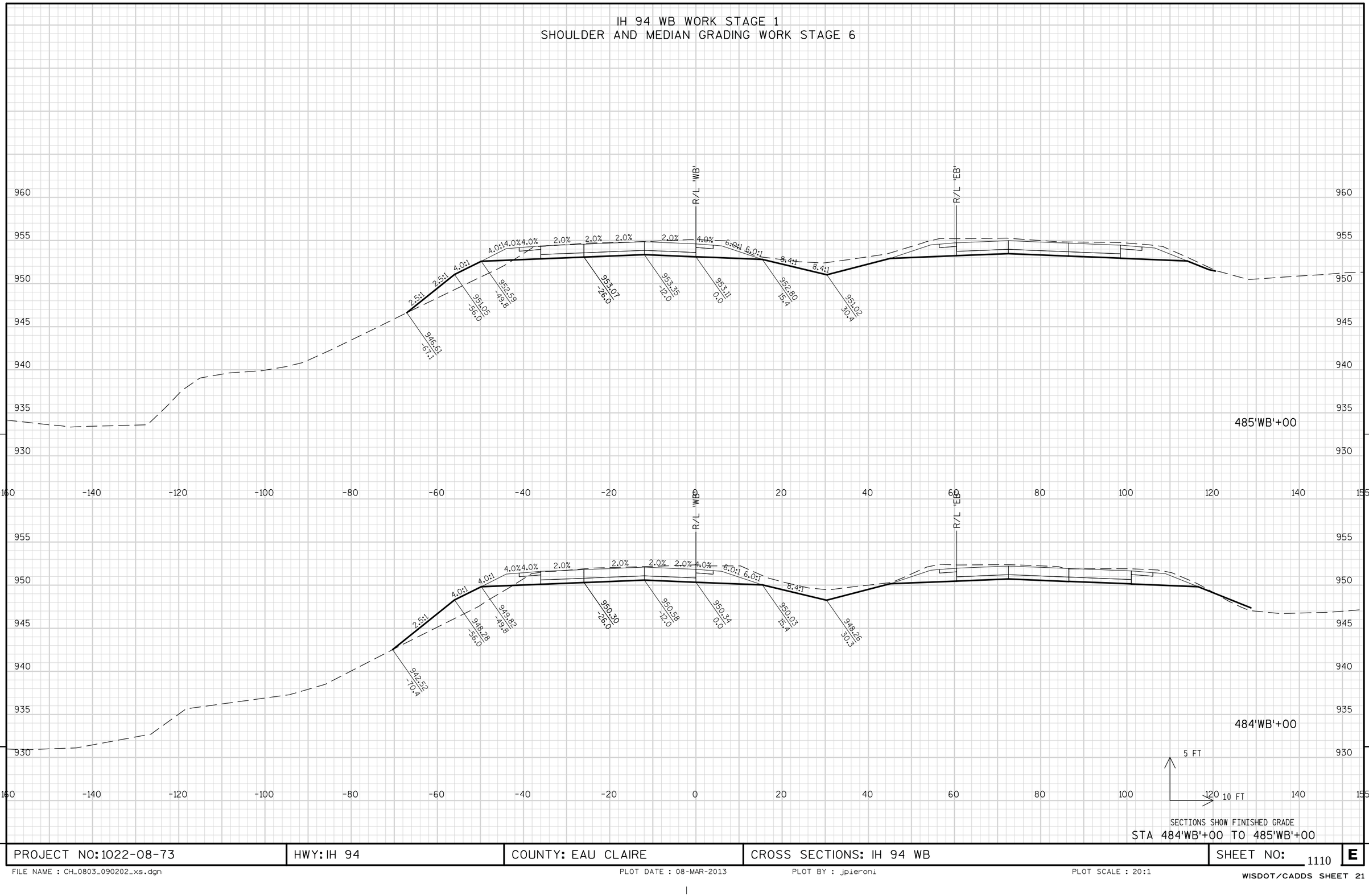


PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 WB	SHEET NO: 1109 E

FILE NAME : CH_0803_090202_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

IH 94 WB WORK STAGE 1
SHOULDER AND MEDIAN GRADING WORK STAGE 6



SECTIONS SHOW FINISHED GRADE

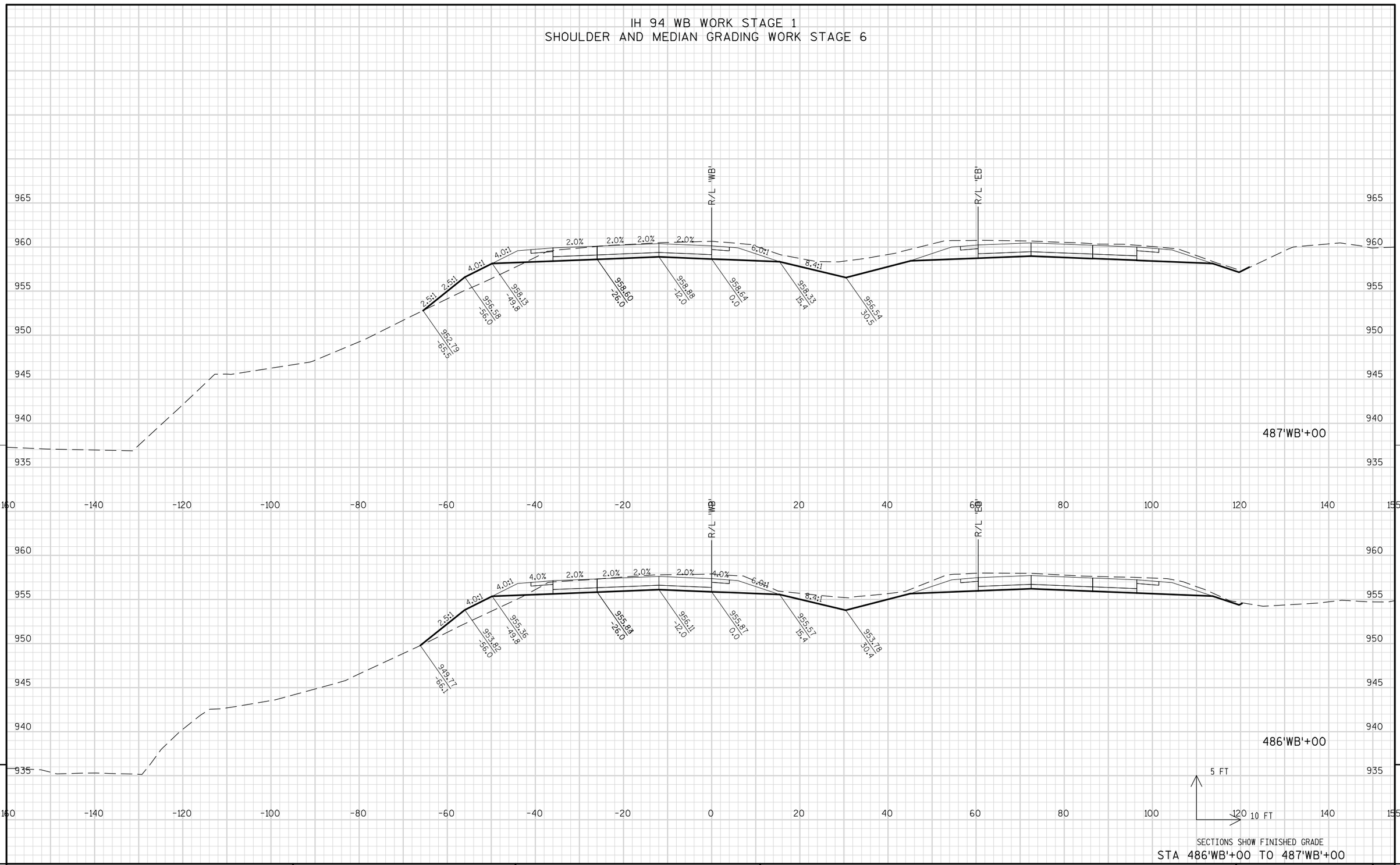
STA 484'WB'+00 TO 485'WB'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 WB	SHEET NO: 1110 E

FILE NAME : CH_0803_090202_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

IH 94 WB WORK STAGE 1
SHOULDER AND MEDIAN GRADING WORK STAGE 6



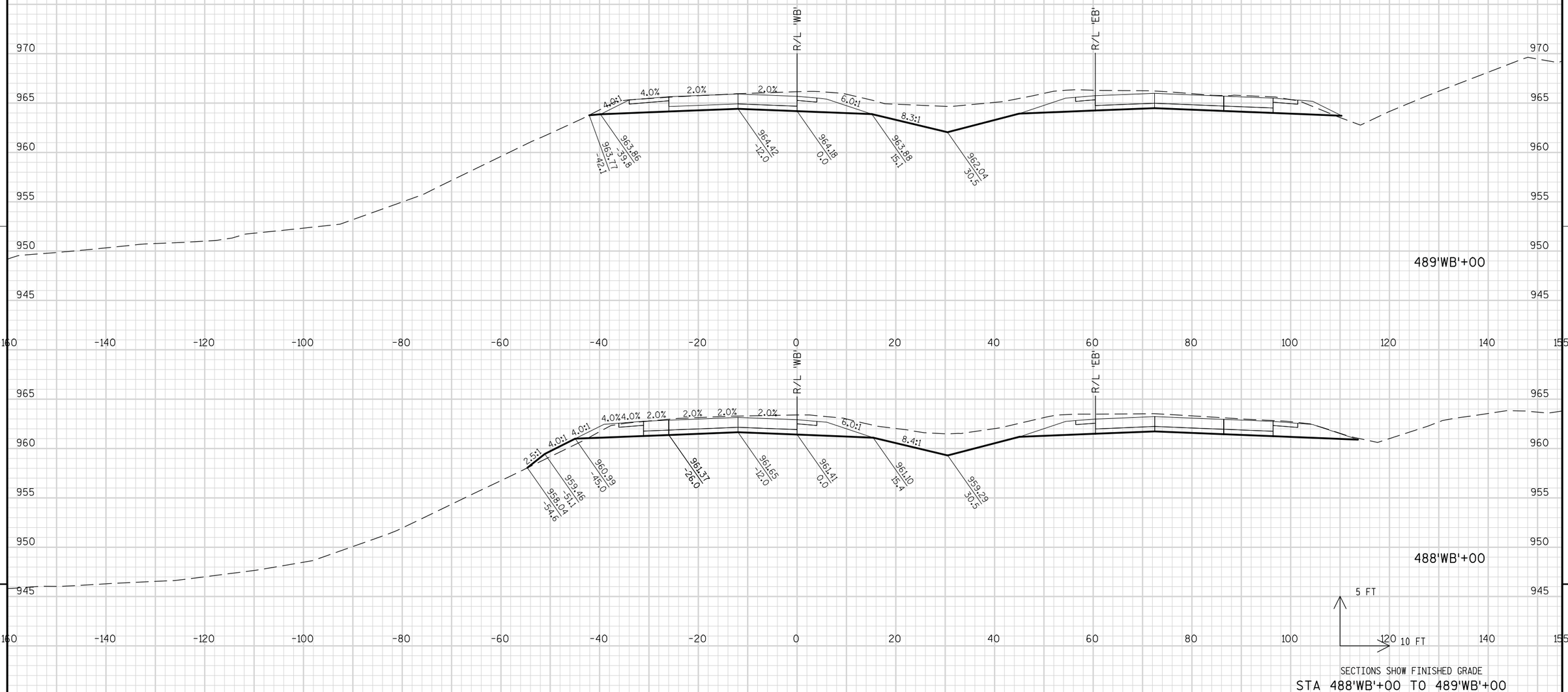
SECTIONS SHOW FINISHED GRADE
STA 486'WB'+00 TO 487'WB'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 WB	SHEET NO: 1111 E

FILE NAME : CH_0803_090202_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

IH 94 WB WORK STAGE 1
SHOULDER AND MEDIAN GRADING WORK STAGE 6



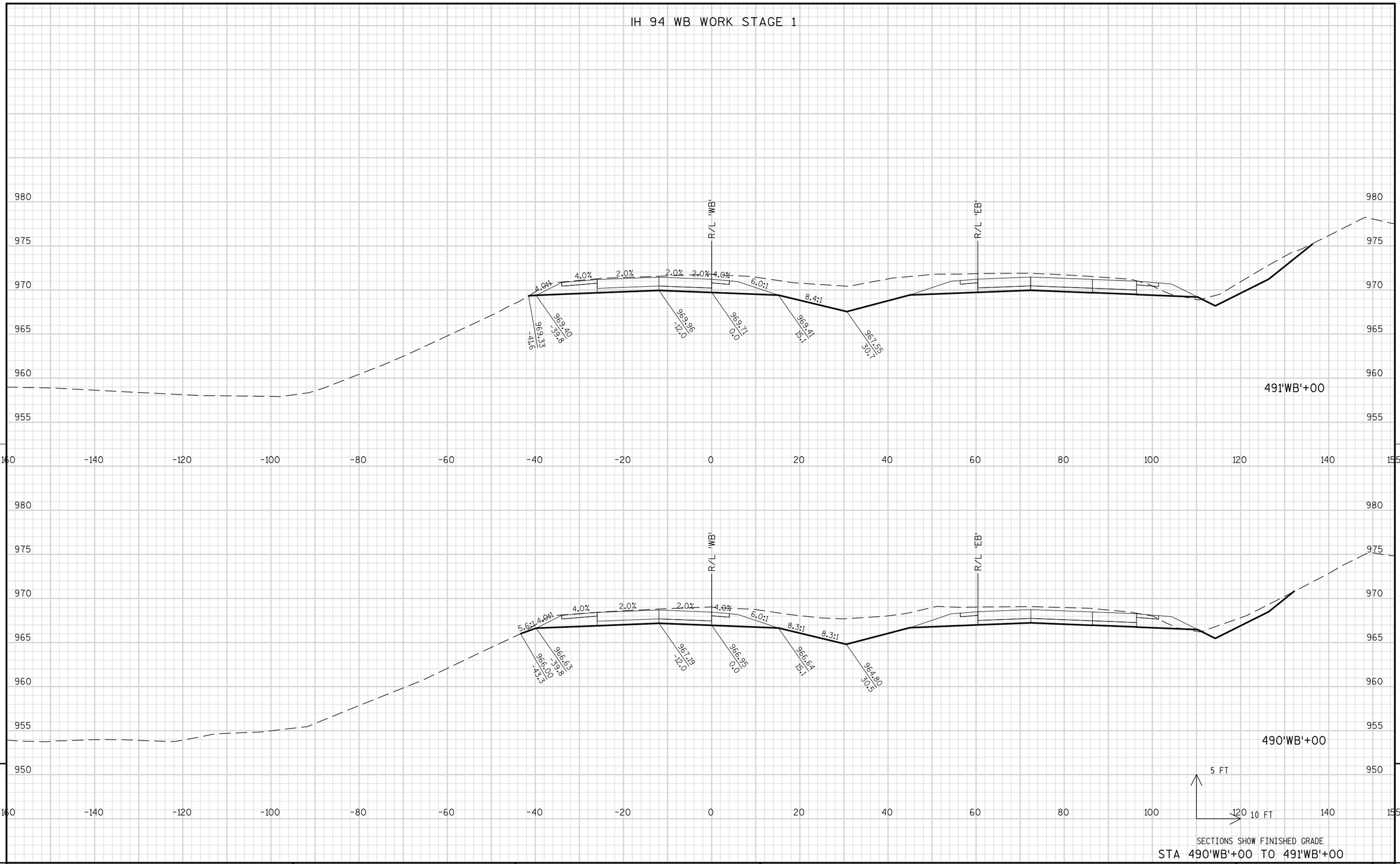
SECTIONS SHOW FINISHED GRADE
STA 488'WB'+00 TO 489'WB'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 WB	SHEET NO: 1112	E

FILE NAME : CH_0803_090202_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

IH 94 WB WORK STAGE 1



SECTIONS SHOW FINISHED GRADE

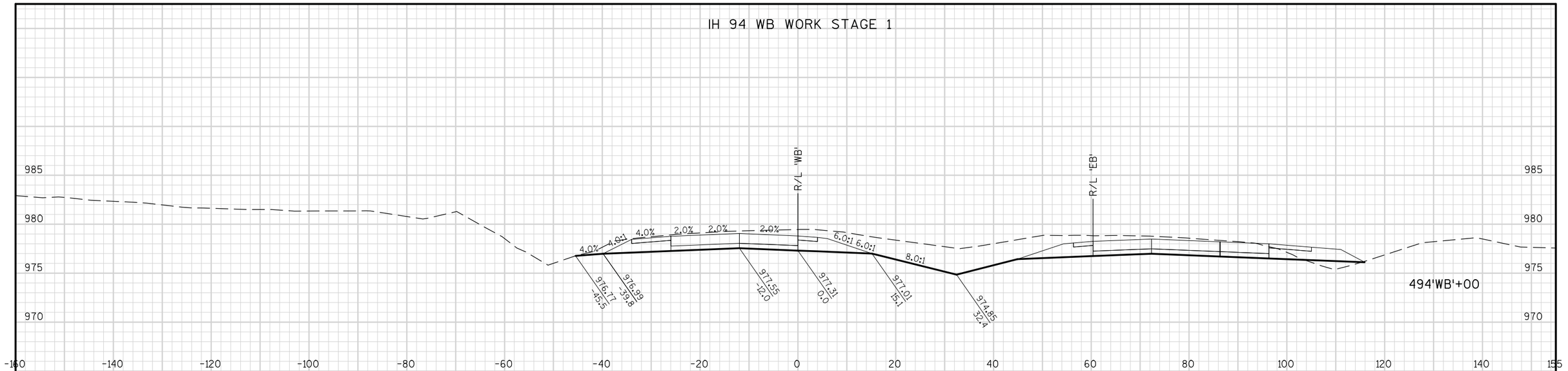
STA 490'WB'+00 TO 491'WB'+00

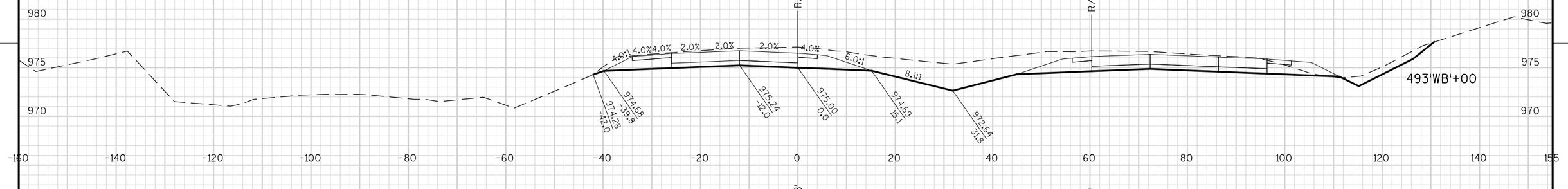
PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 WB	SHEET NO: 1113 E

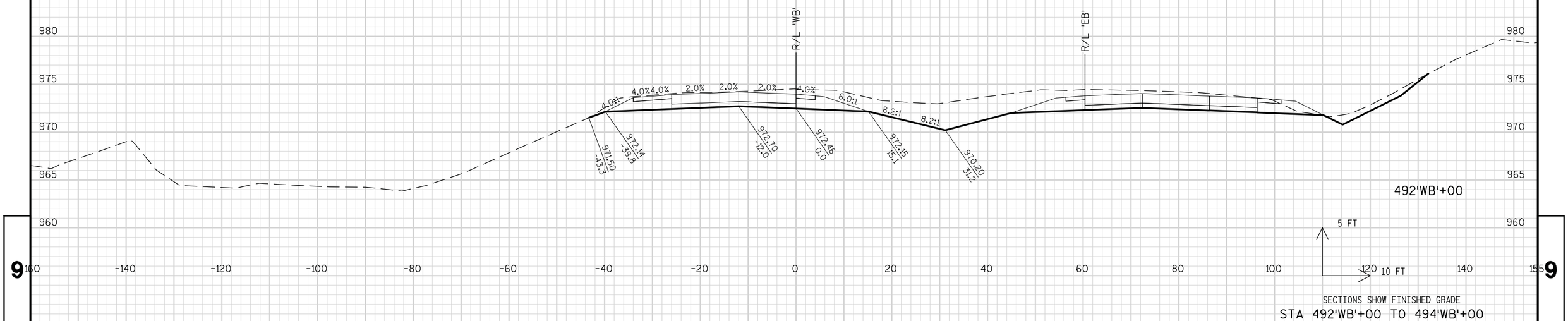
FILE NAME : CH_0803_090202_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

IH 94 WB WORK STAGE 1







SECTIONS SHOW FINISHED GRADE

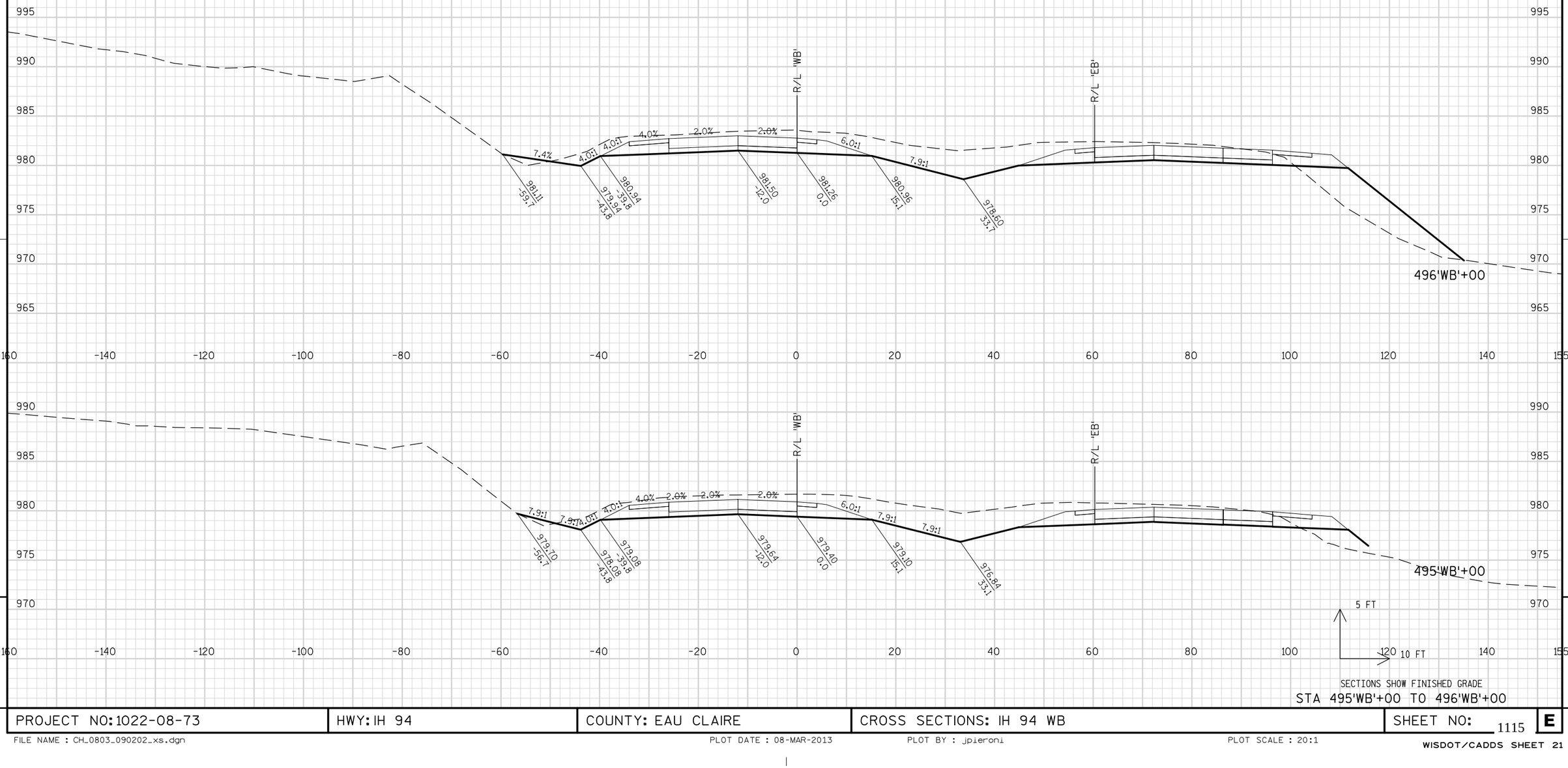
STA 492'WB'+00 TO 494'WB'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 WB	SHEET NO: 1114 E

FILE NAME : CH_0803_090202_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

IH 94 WB WORK STAGE 1

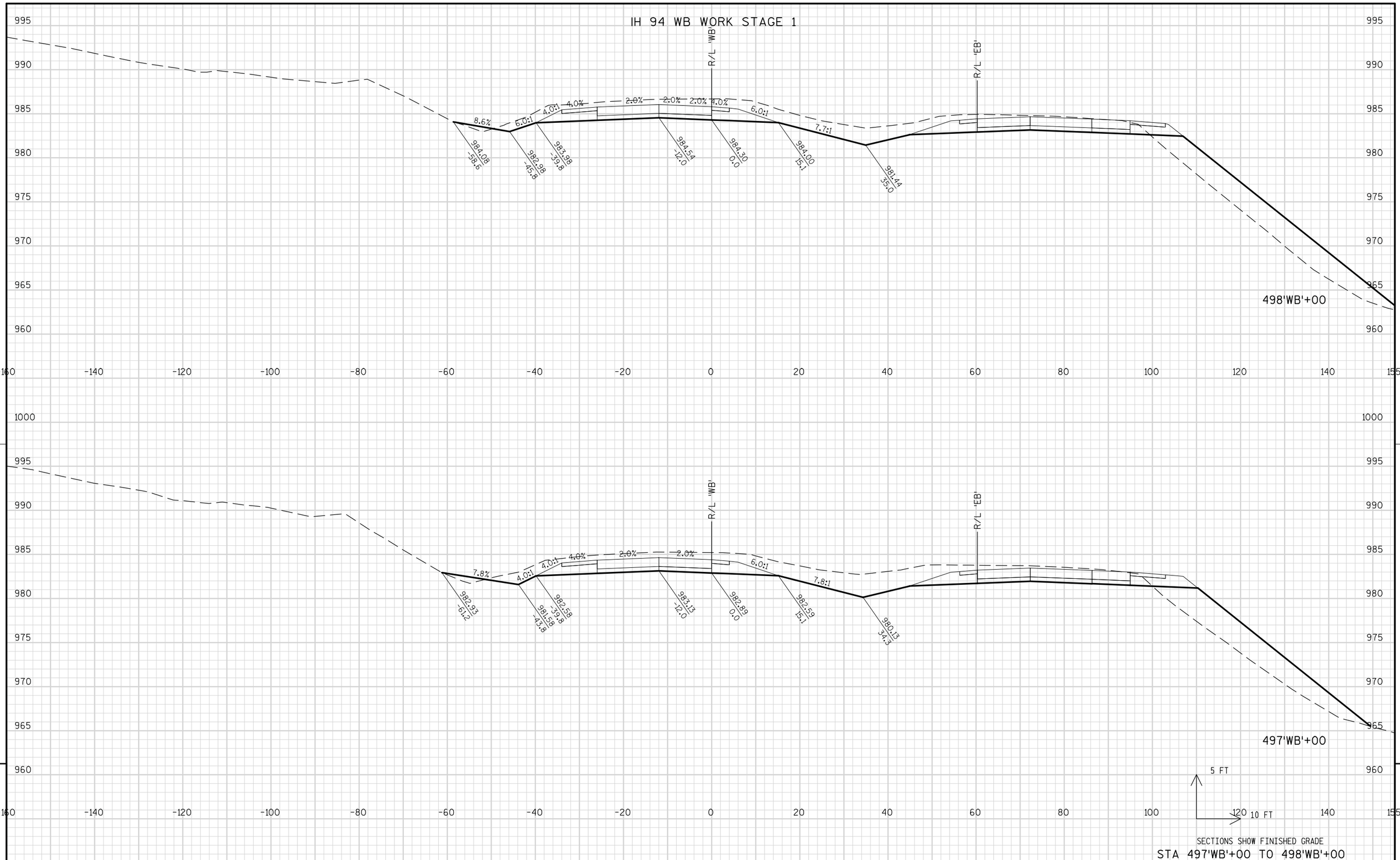


PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 WB	SHEET NO: 1115 E

FILE NAME : CH_0803_090202_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

IH 94 WB WORK STAGE 1



SECTIONS SHOW FINISHED GRADE

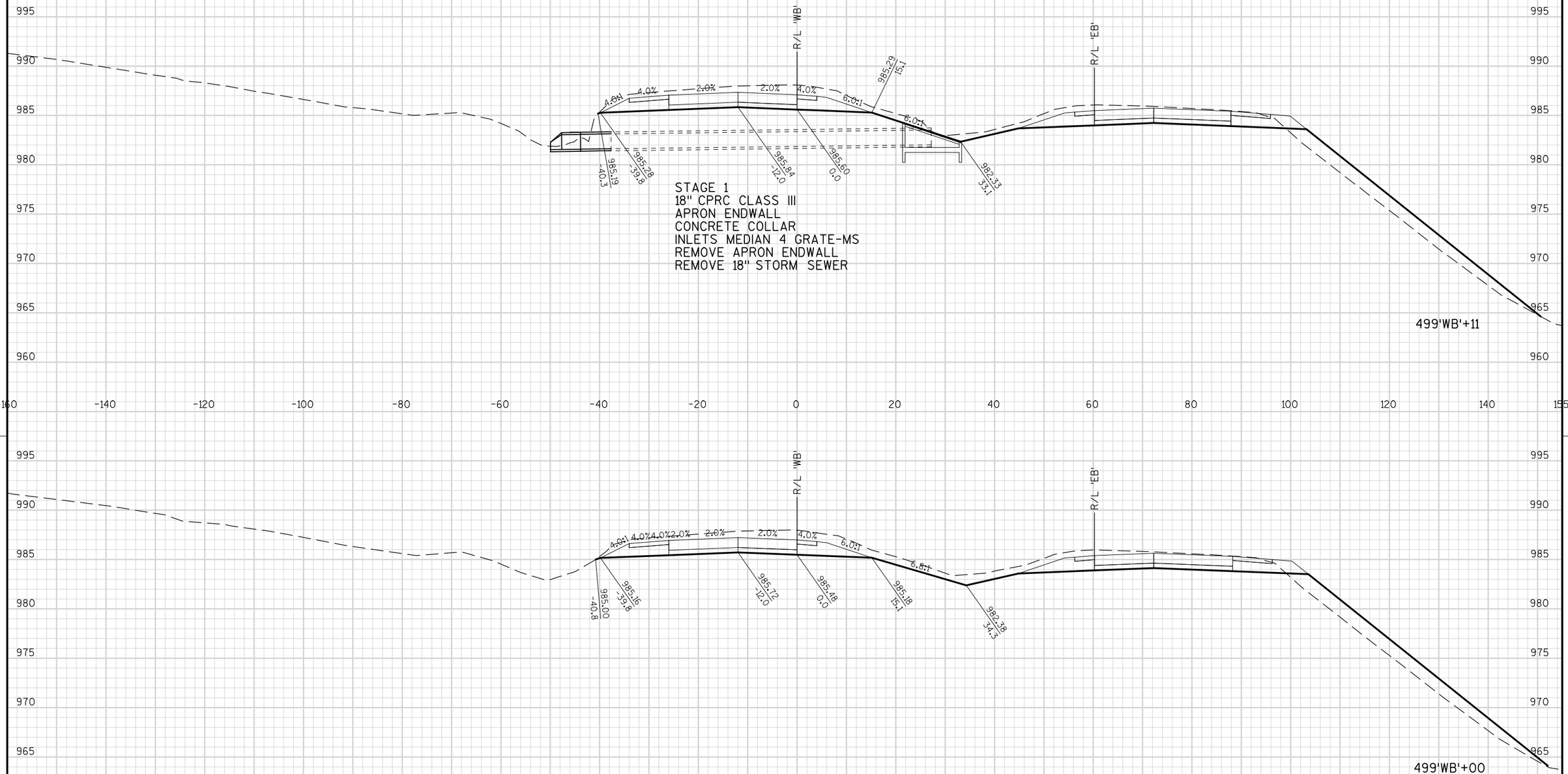
STA 497'WB'+00 TO 498'WB'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 WB	SHEET NO: 1116	E

FILE NAME : CH_0803_090202_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

IH 94 WB WORK STAGE 1

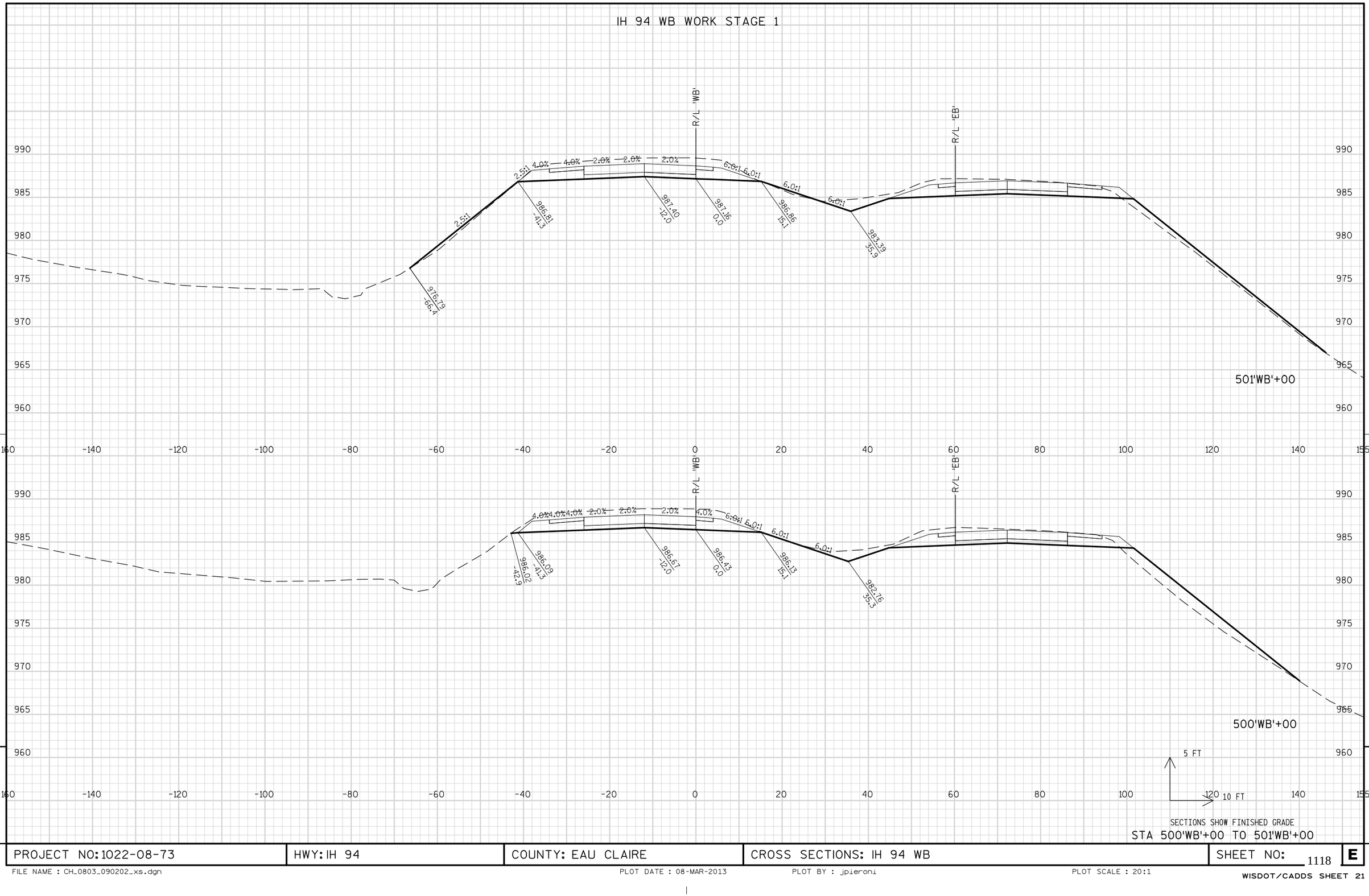


PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 WB	SHEET NO: 1117	E

FILE NAME : CH_0803_090202_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

IH 94 WB WORK STAGE 1



SECTIONS SHOW FINISHED GRADE

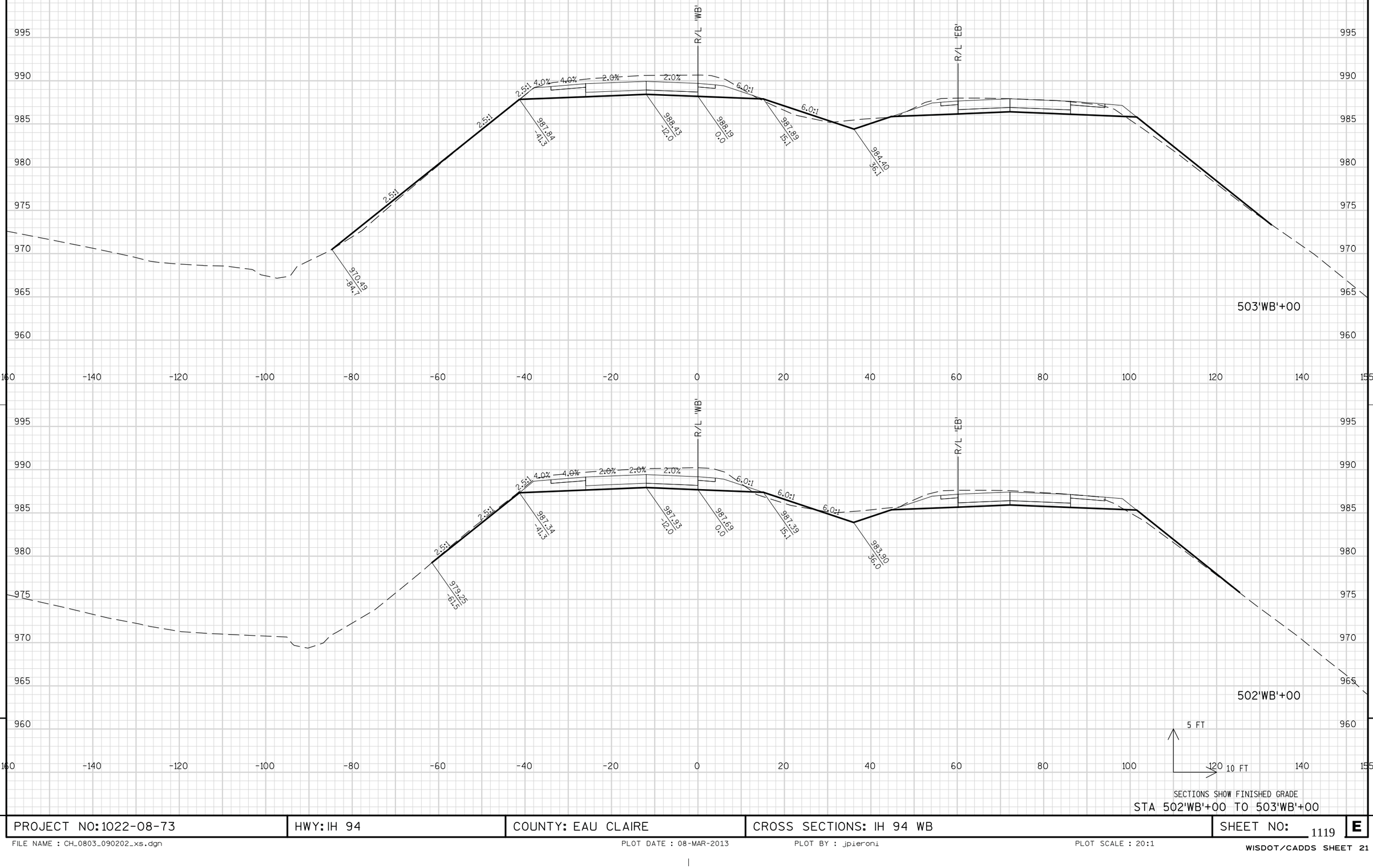
STA 500'WB'+00 TO 501'WB'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 WB	SHEET NO: 1118	E

FILE NAME : CH_0803_090202_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

IH 94 WB WORK STAGE 1



5 FT
10 FT

SECTIONS SHOW FINISHED GRADE

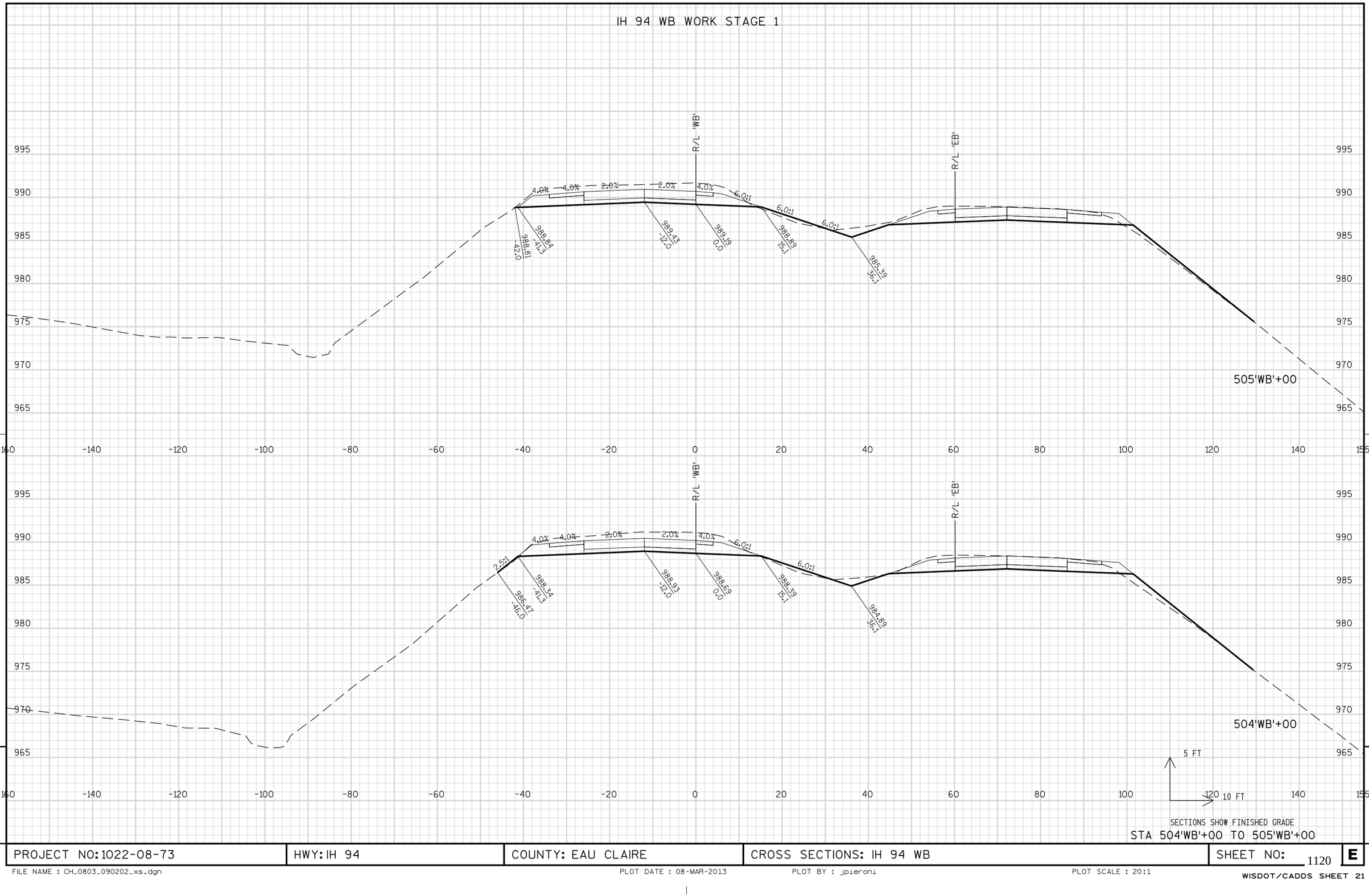
STA 502'WB'+00 TO 503'WB'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 WB	SHEET NO: 1119	E

FILE NAME : CH_0803_090202_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

IH 94 WB WORK STAGE 1



SECTIONS SHOW FINISHED GRADE

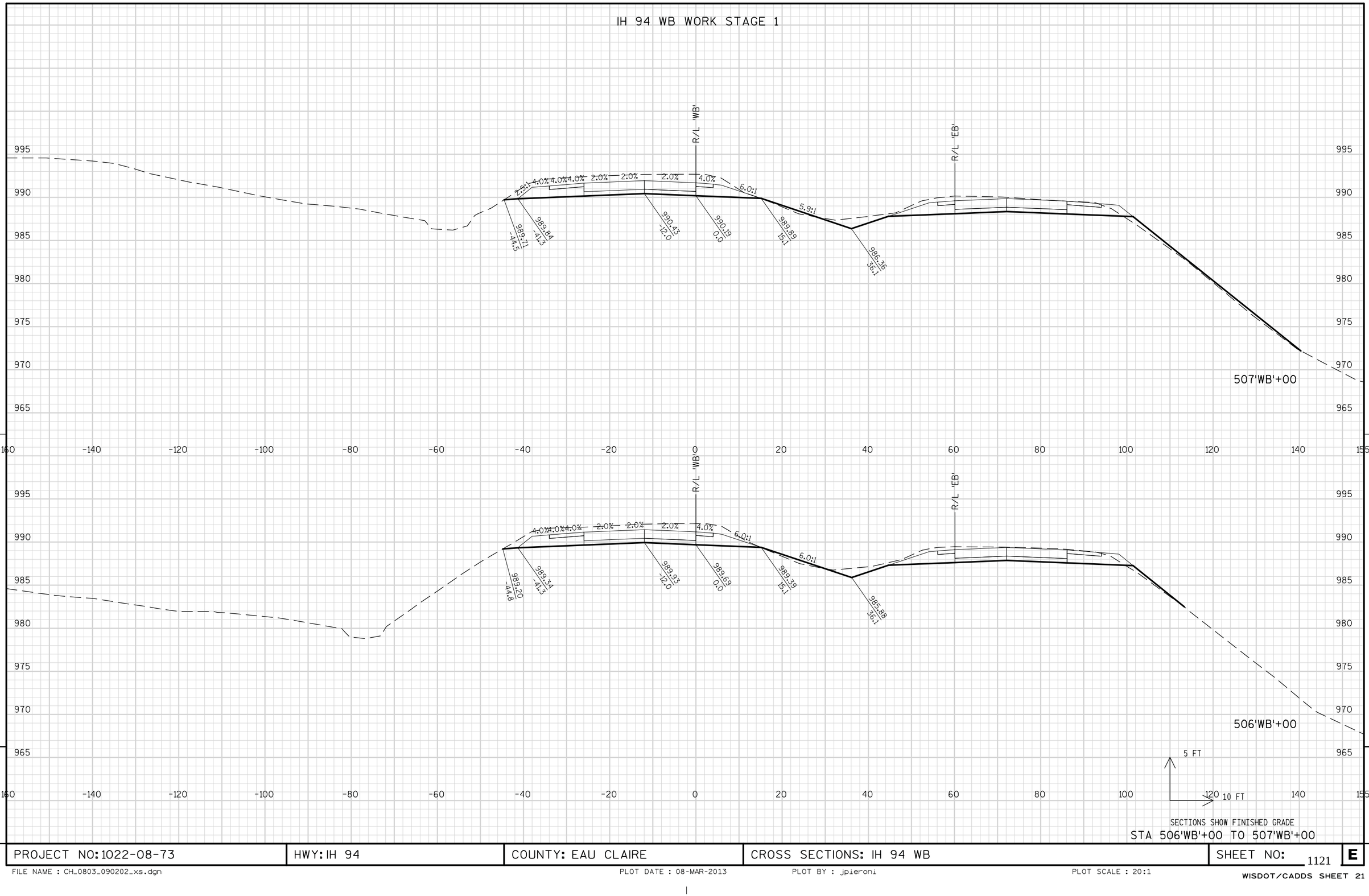
STA 504'WB'+00 TO 505'WB'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 WB	SHEET NO: 1120 E

FILE NAME : CH_0803_090202_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

IH 94 WB WORK STAGE 1



SECTIONS SHOW FINISHED GRADE

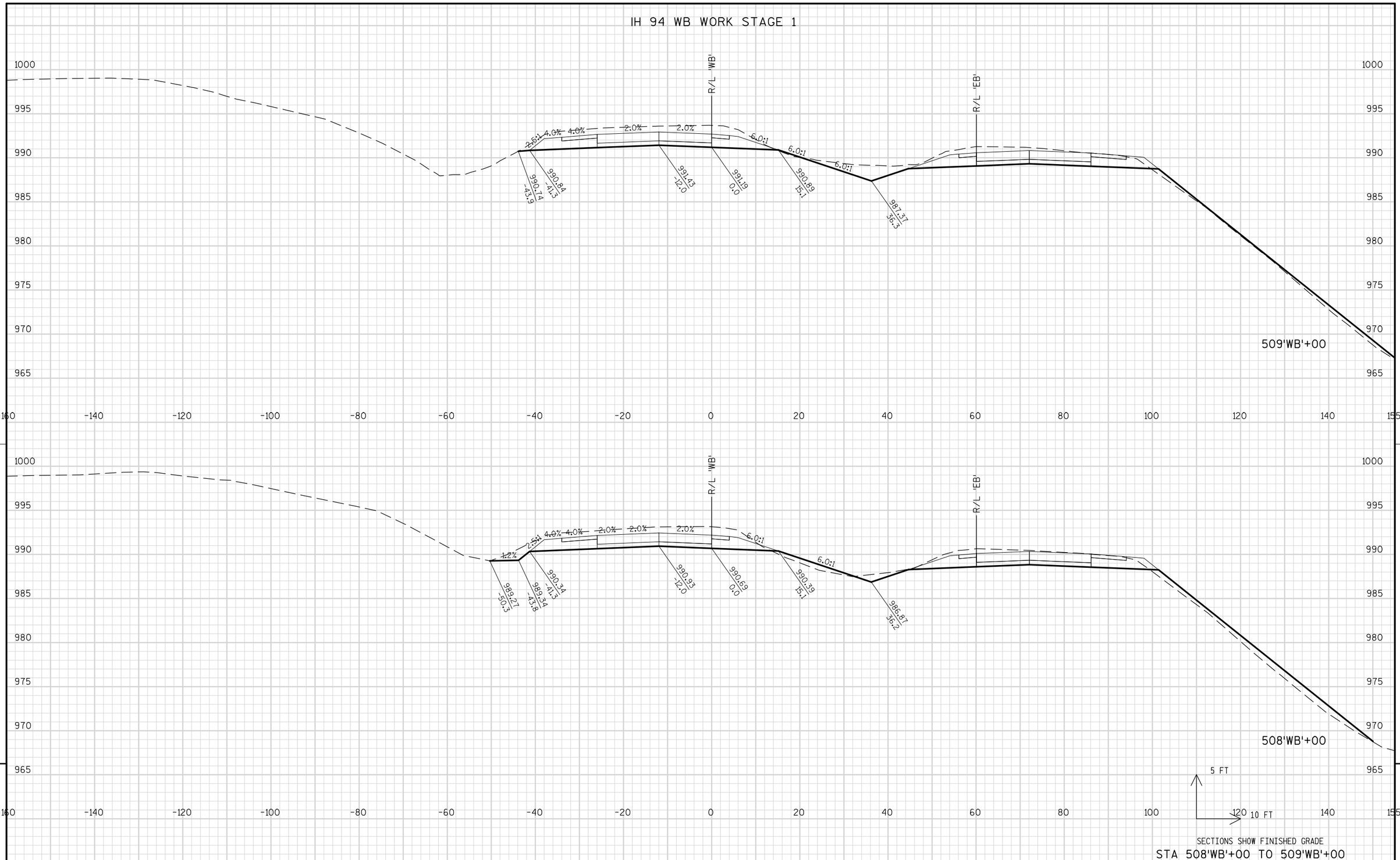
STA 506'WB'+00 TO 507'WB'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 WB	SHEET NO: 1121 E

FILE NAME : CH_0803_090202_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

IH 94 WB WORK STAGE 1



SECTIONS SHOW FINISHED GRADE

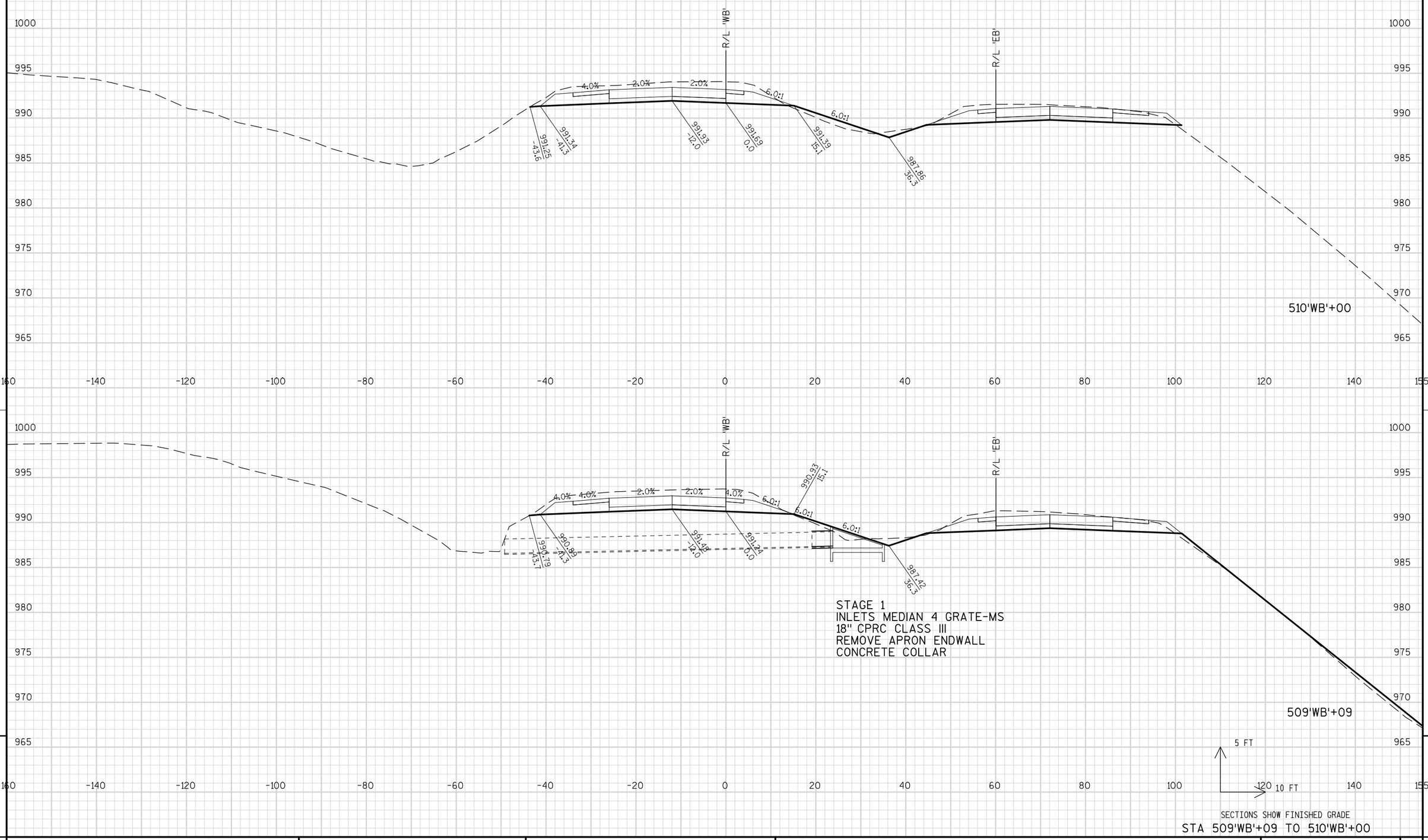
STA 508'WB'+00 TO 509'WB'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 WB	SHEET NO: 1122	E

FILE NAME : CH_0803_090202_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

IH 94 WB WORK STAGE 1



STAGE 1
INLETS MEDIAN 4 GRATE-MS
18" CPRC CLASS III
REMOVE APRON ENDWALL
CONCRETE COLLAR

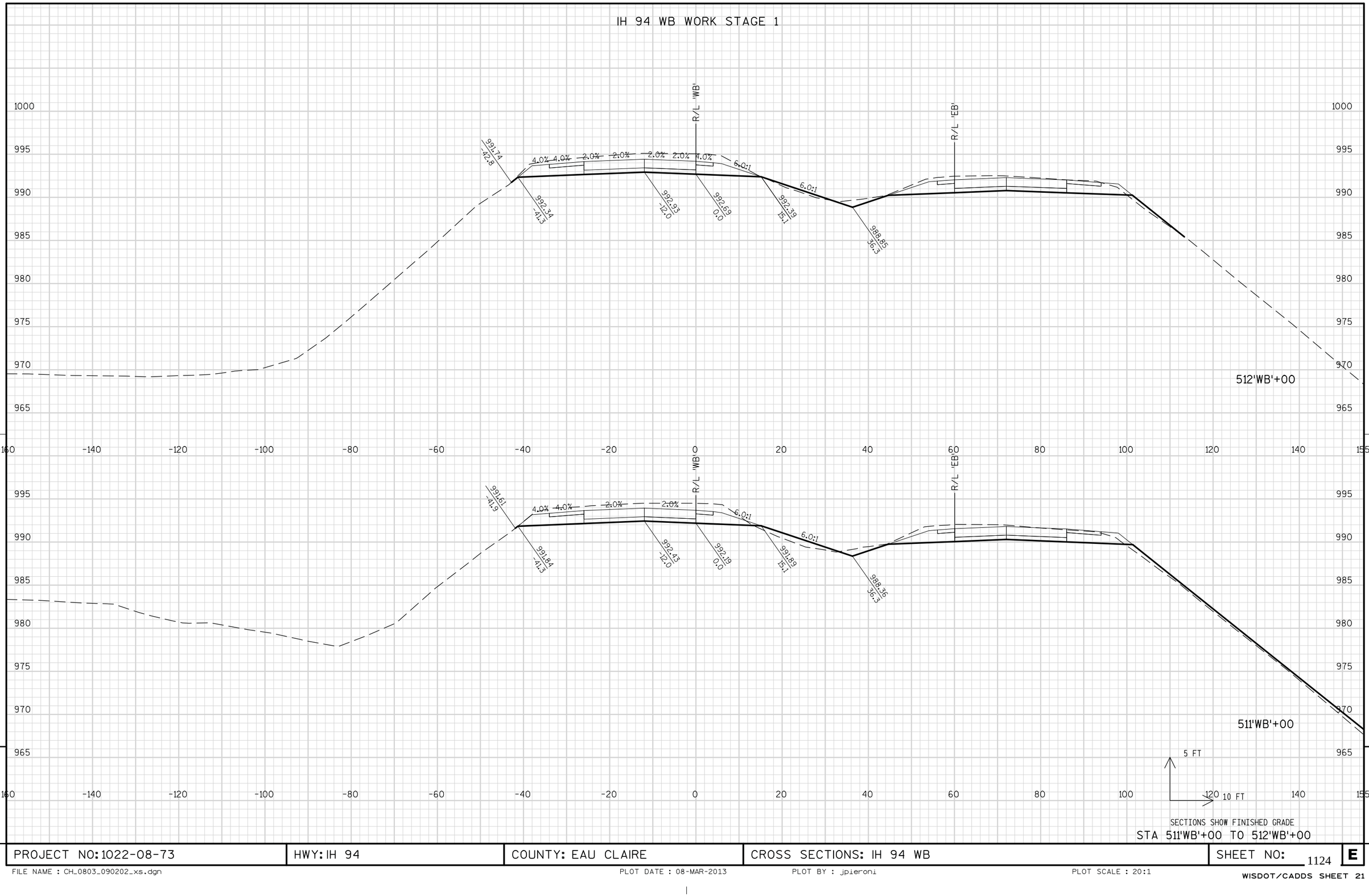
SECTIONS SHOW FINISHED GRADE
STA 509'WB'+09 TO 510'WB'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 WB	SHEET NO: 1123 E

FILE NAME : CH_0803_090202_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

IH 94 WB WORK STAGE 1

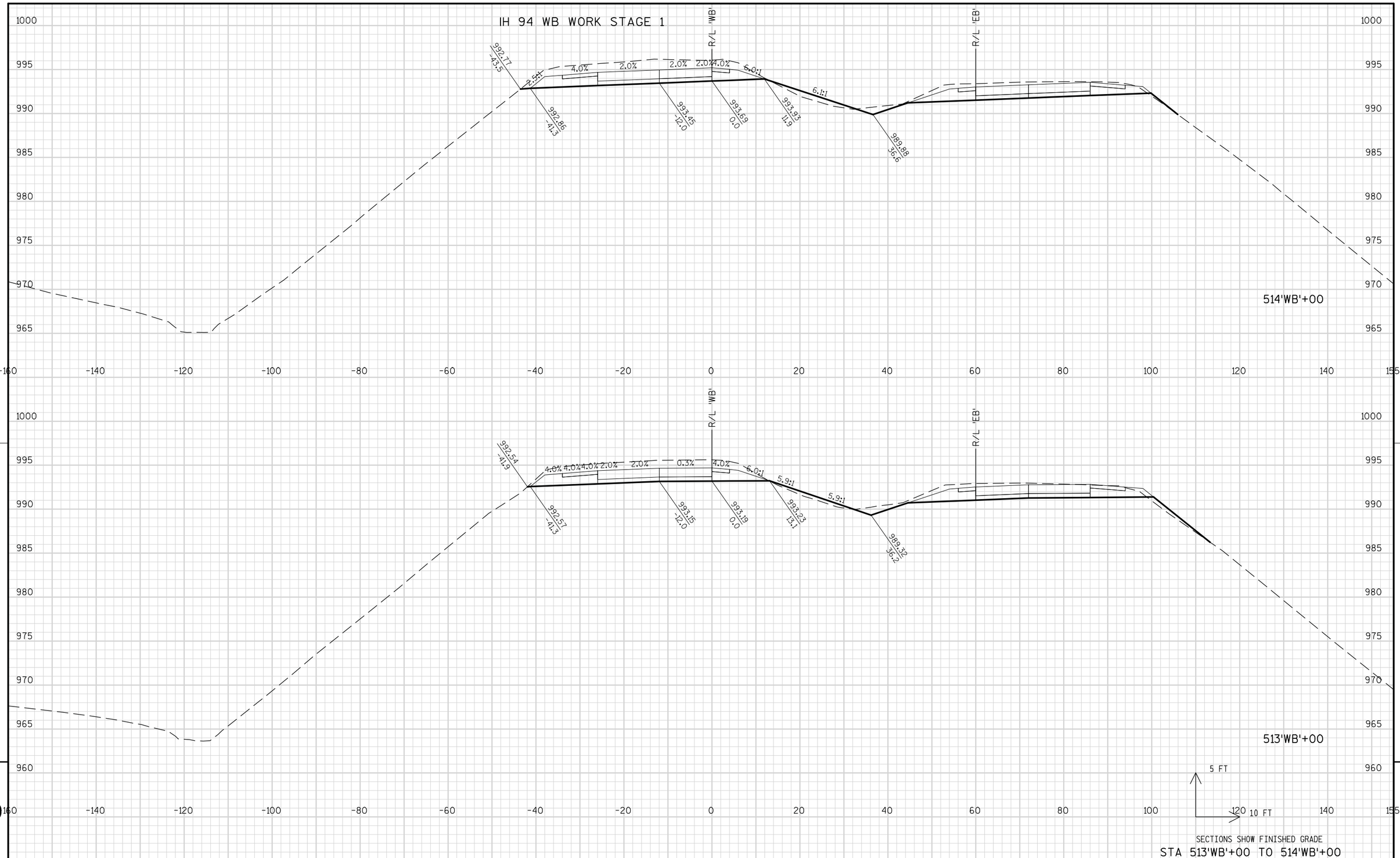


PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 WB	SHEET NO: 1124	E

FILE NAME : CH_0803_090202_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

IH 94 WB WORK STAGE 1



SECTIONS SHOW FINISHED GRADE

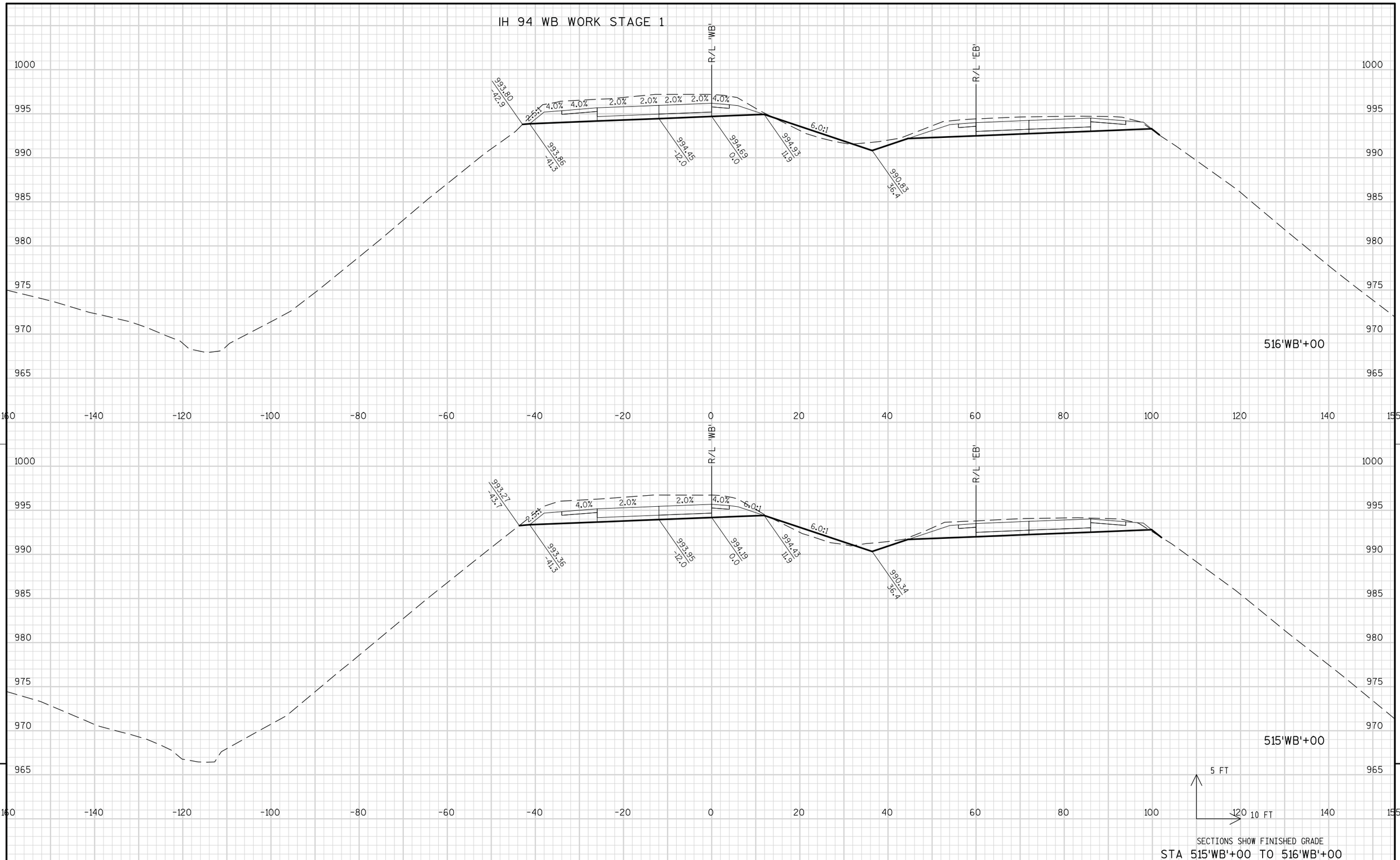
STA 513'WB'+00 TO 514'WB'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 WB	SHEET NO: 1125	E

FILE NAME : CH_0803_090202_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

IH 94 WB WORK STAGE 1



5 FT

10 FT

SECTIONS SHOW FINISHED GRADE

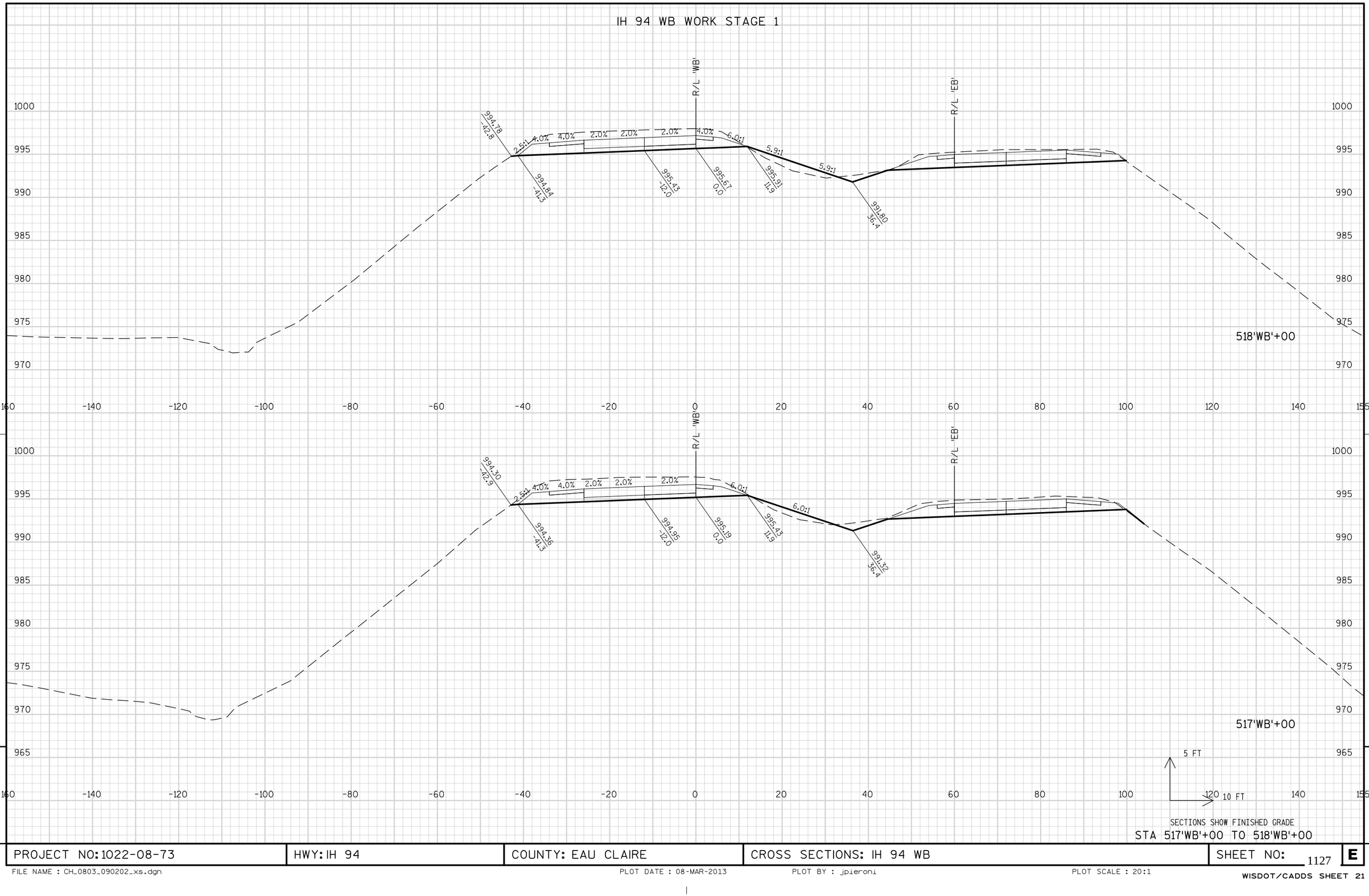
STA 515'WB'+00 TO 516'WB'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 WB	SHEET NO: 1126	E

FILE NAME : CH_0803_090202_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

IH 94 WB WORK STAGE 1



SECTIONS SHOW FINISHED GRADE

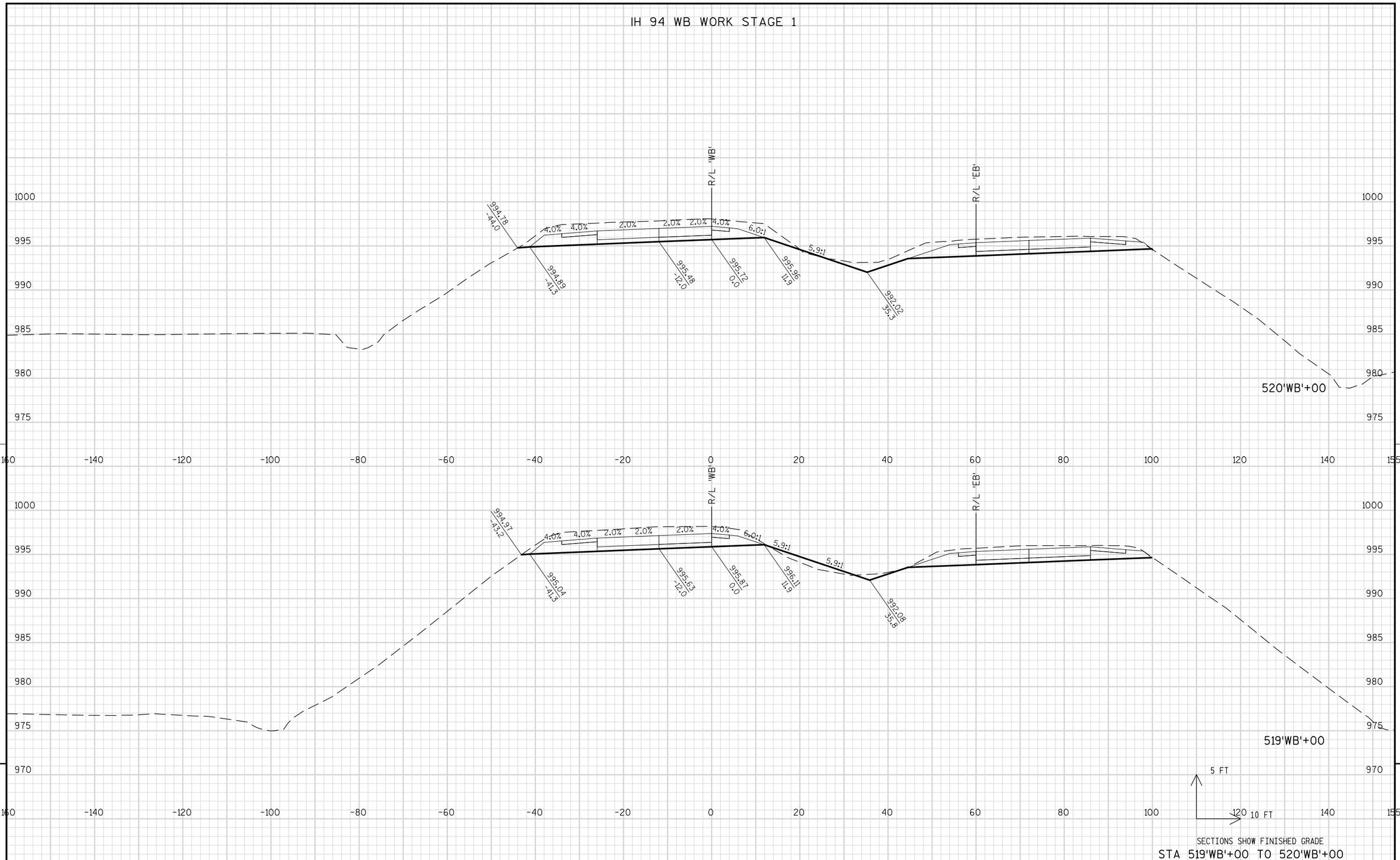
STA 517'WB'+00 TO 518'WB'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 WB	SHEET NO: 1127	E

FILE NAME : CH_0803_090202_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

IH 94 WB WORK STAGE 1



SECTIONS SHOW FINISHED GRADE

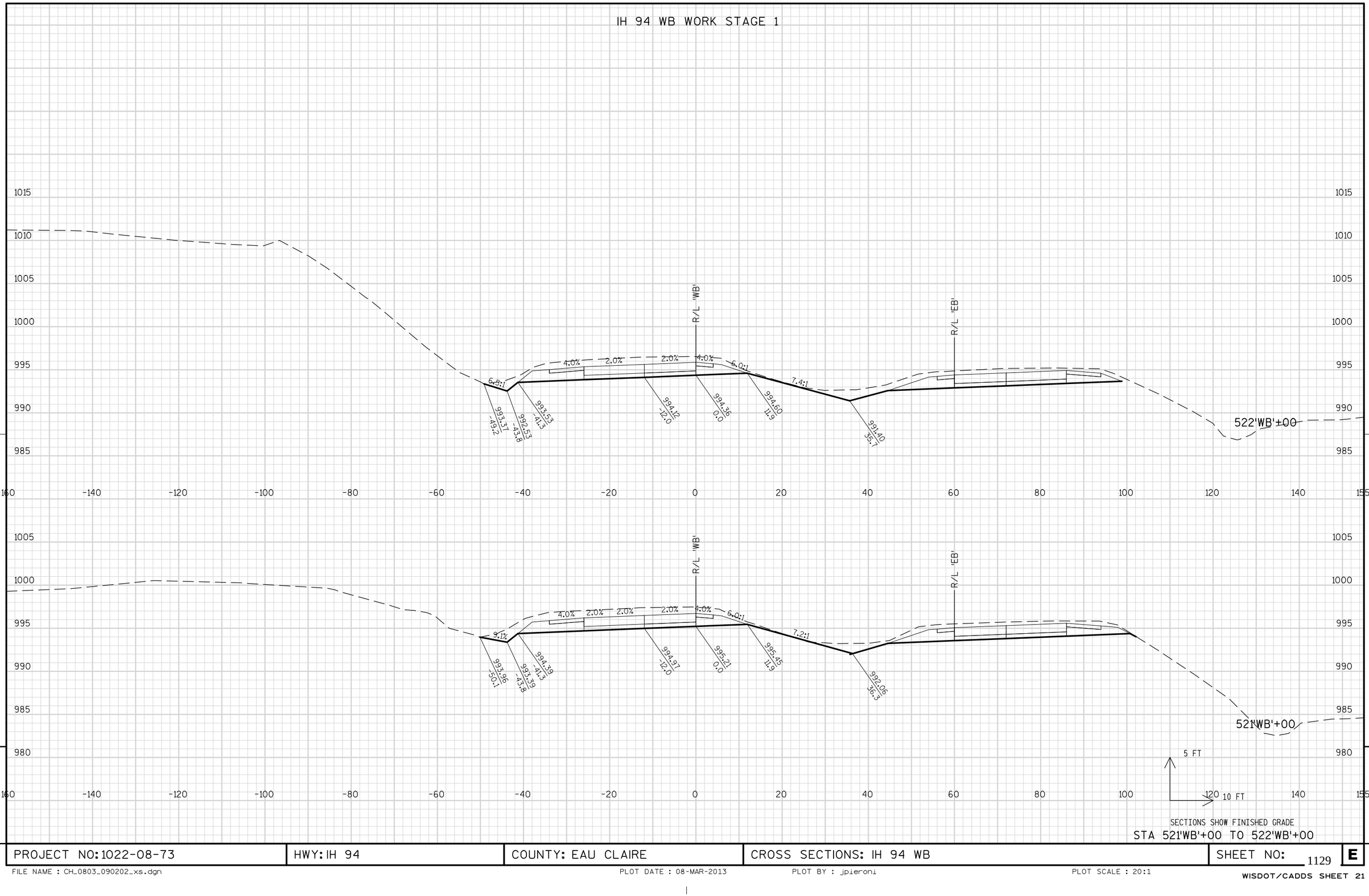
STA 519'WB'+00 TO 520'WB'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 WB	SHEET NO: 1128	E

FILE NAME : CH_0803_090202_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

IH 94 WB WORK STAGE 1



SECTIONS SHOW FINISHED GRADE

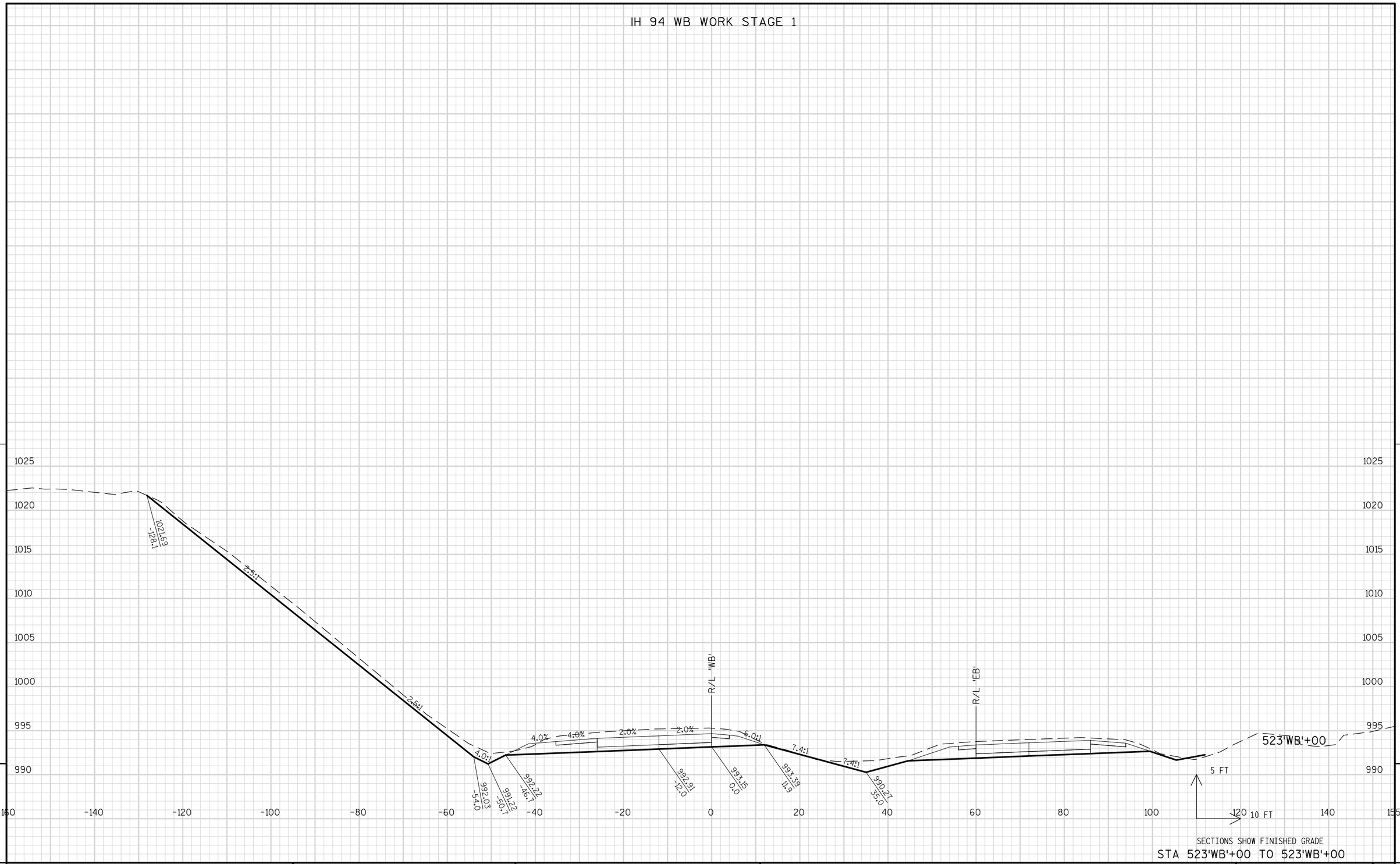
STA 521'WB'+00 TO 522'WB'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 WB	SHEET NO: 1129 E

FILE NAME : CH_0803_090202_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

IH 94 WB WORK STAGE 1

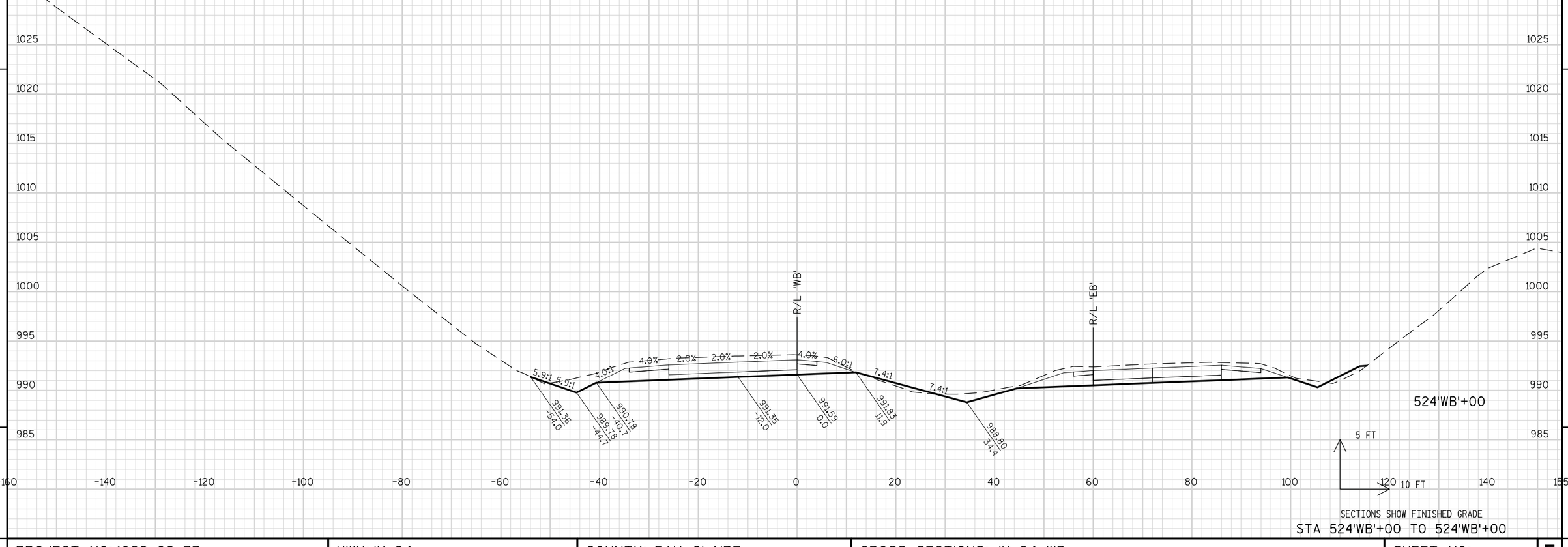


PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 WB	SHEET NO: 1130 E

FILE NAME : CH_0803_090202_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

IH 94 WB WORK STAGE 1



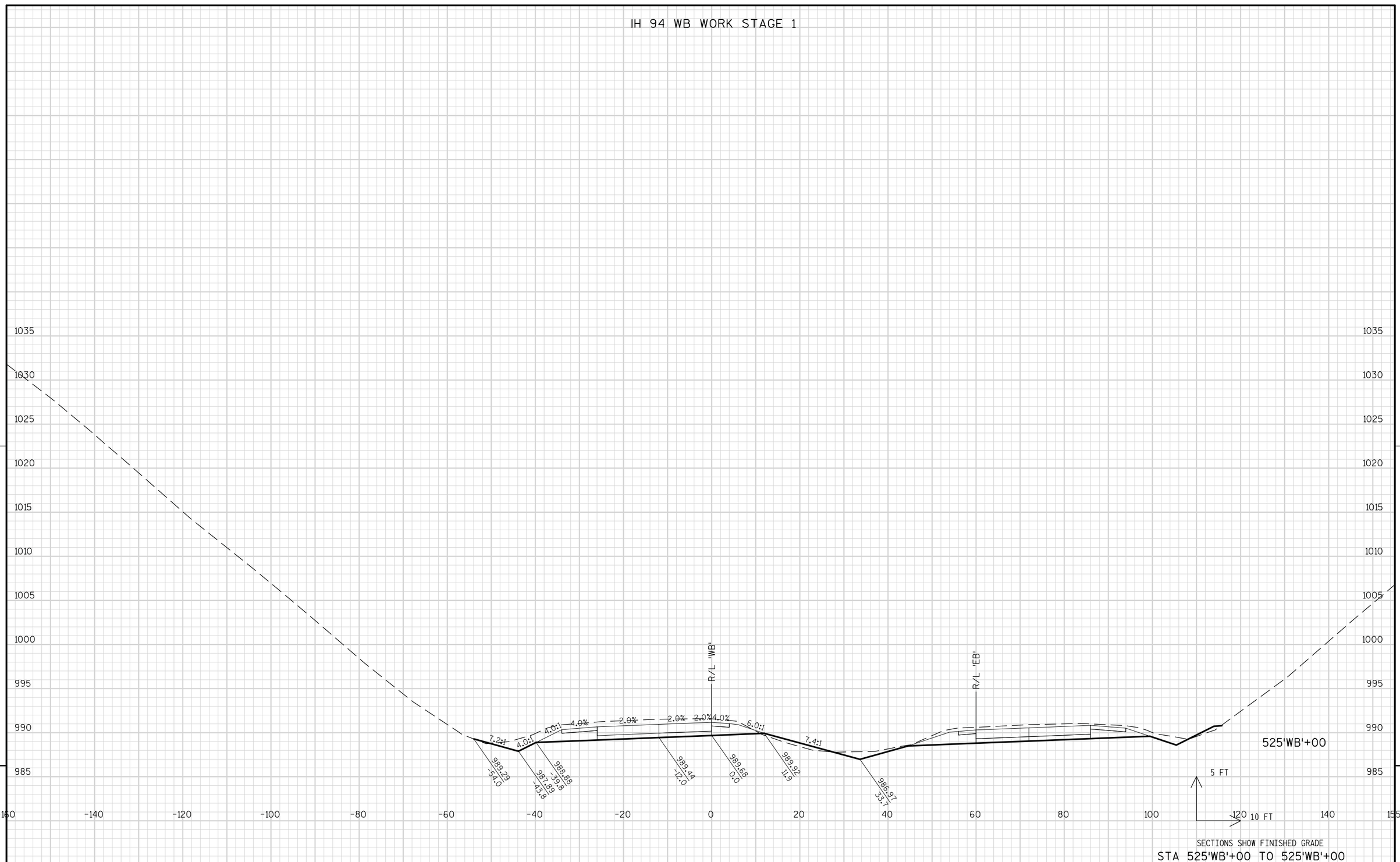
STA 524'WB'+00 TO 524'WB'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 WB	SHEET NO: 1131	E

FILE NAME : CH_0803_090202_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

IH 94 WB WORK STAGE 1



SECTIONS SHOW FINISHED GRADE

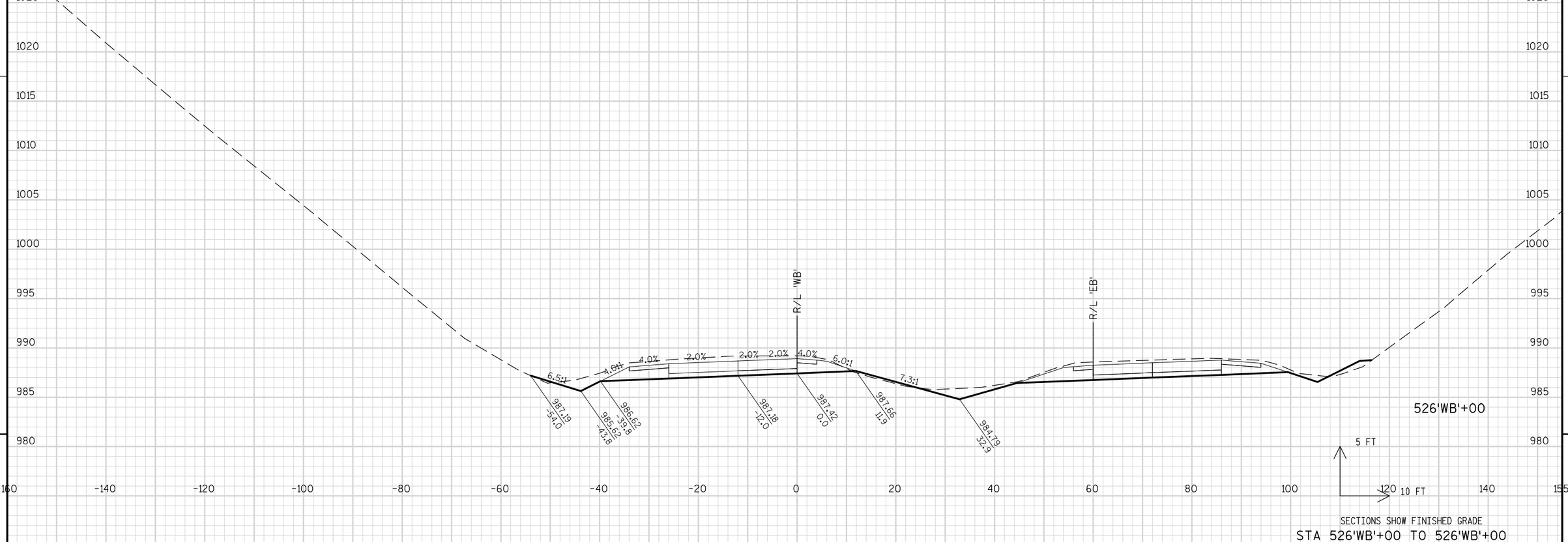
STA 525'WB'+00 TO 525'WB'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 WB	SHEET NO: 1132	E

FILE NAME : CH_0803_090202_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

IH 94 WB WORK STAGE 1



SECTIONS SHOW FINISHED GRADE

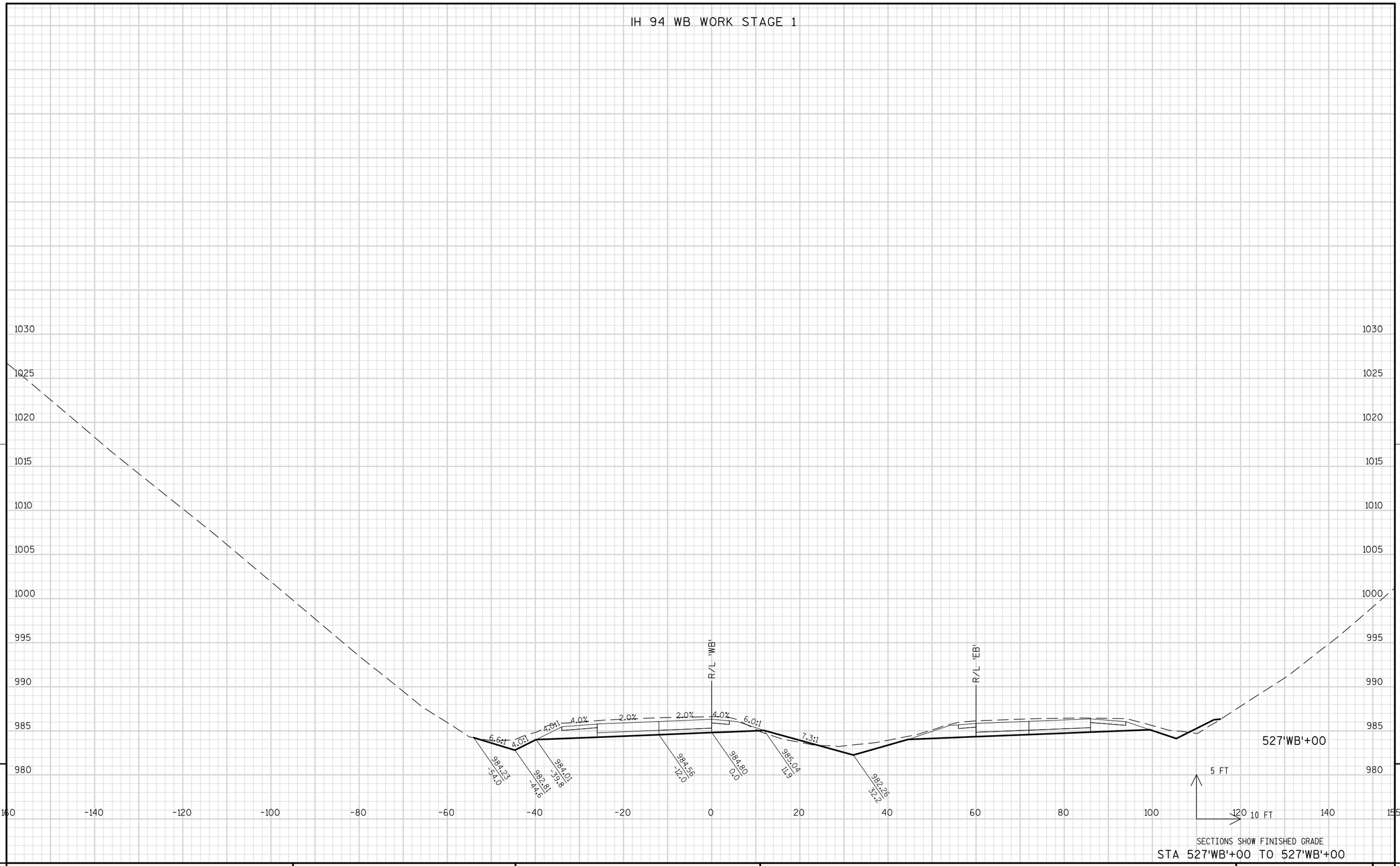
STA 526'WB'+00 TO 526'WB'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 WB	SHEET NO: 1133 E

FILE NAME : CH_0803_090202_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

IH 94 WB WORK STAGE 1

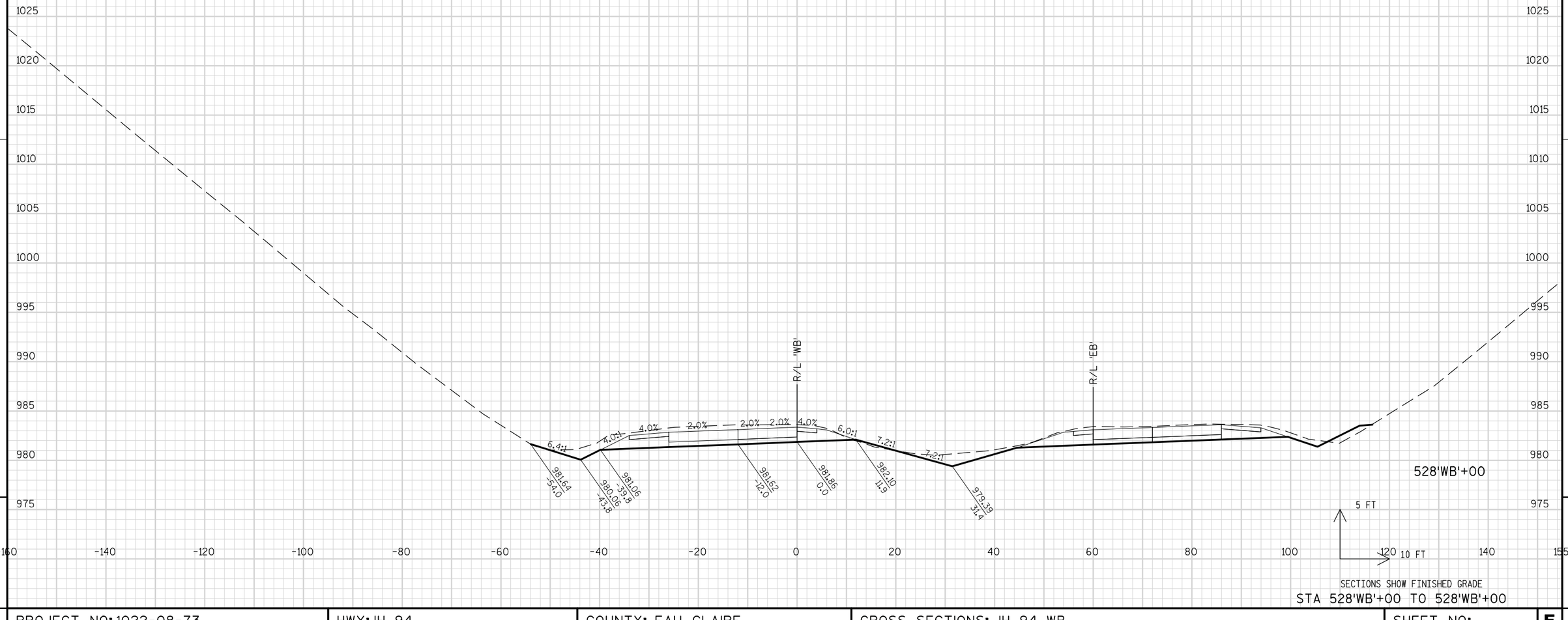


PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 WB	SHEET NO: 1134 E

FILE NAME : CH_0803_090202_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

IH 94 WB WORK STAGE 1

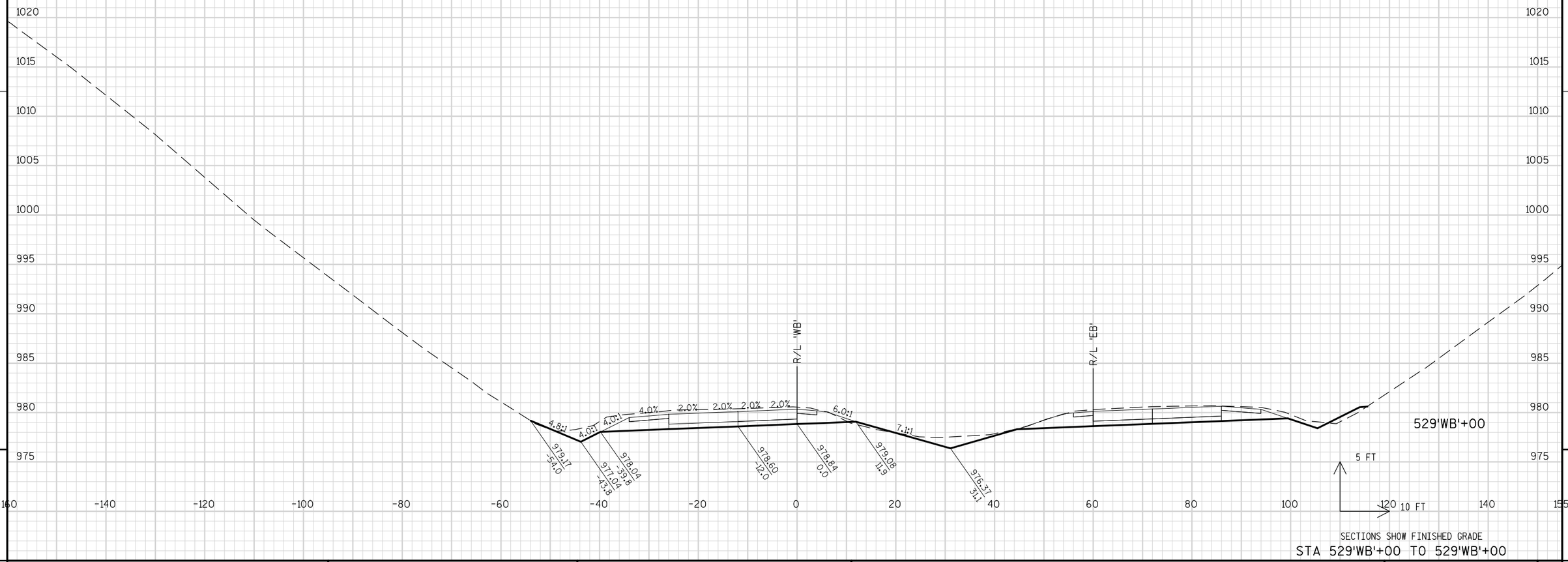


PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 WB	SHEET NO: 1135	E

FILE NAME : CH_0803_090202_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

IH 94 WB WORK STAGE 1



SECTIONS SHOW FINISHED GRADE

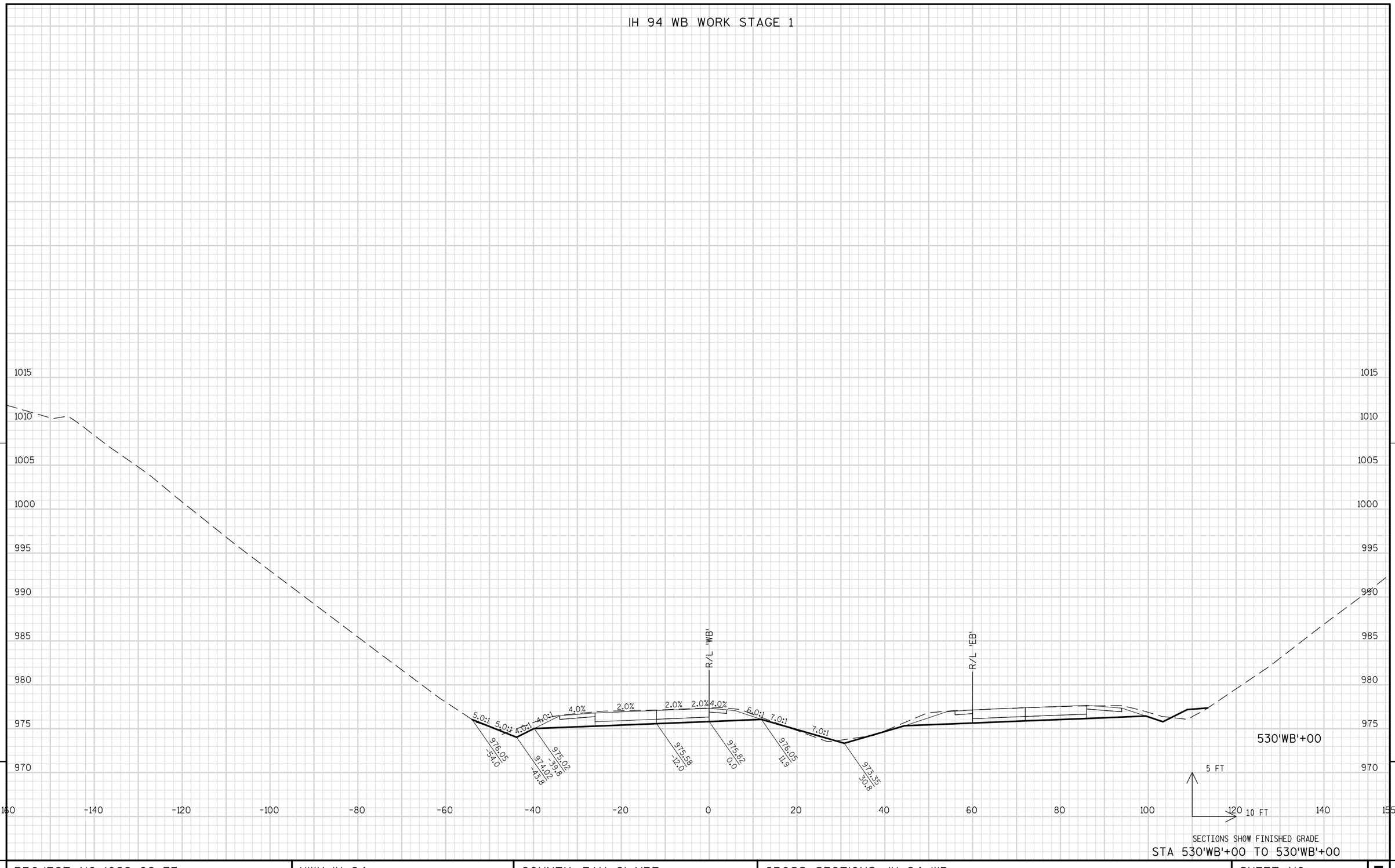
STA 529'WB'+00 TO 529'WB'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 WB	SHEET NO: 1136	E

FILE NAME : CH_0803_090202_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

IH 94 WB WORK STAGE 1

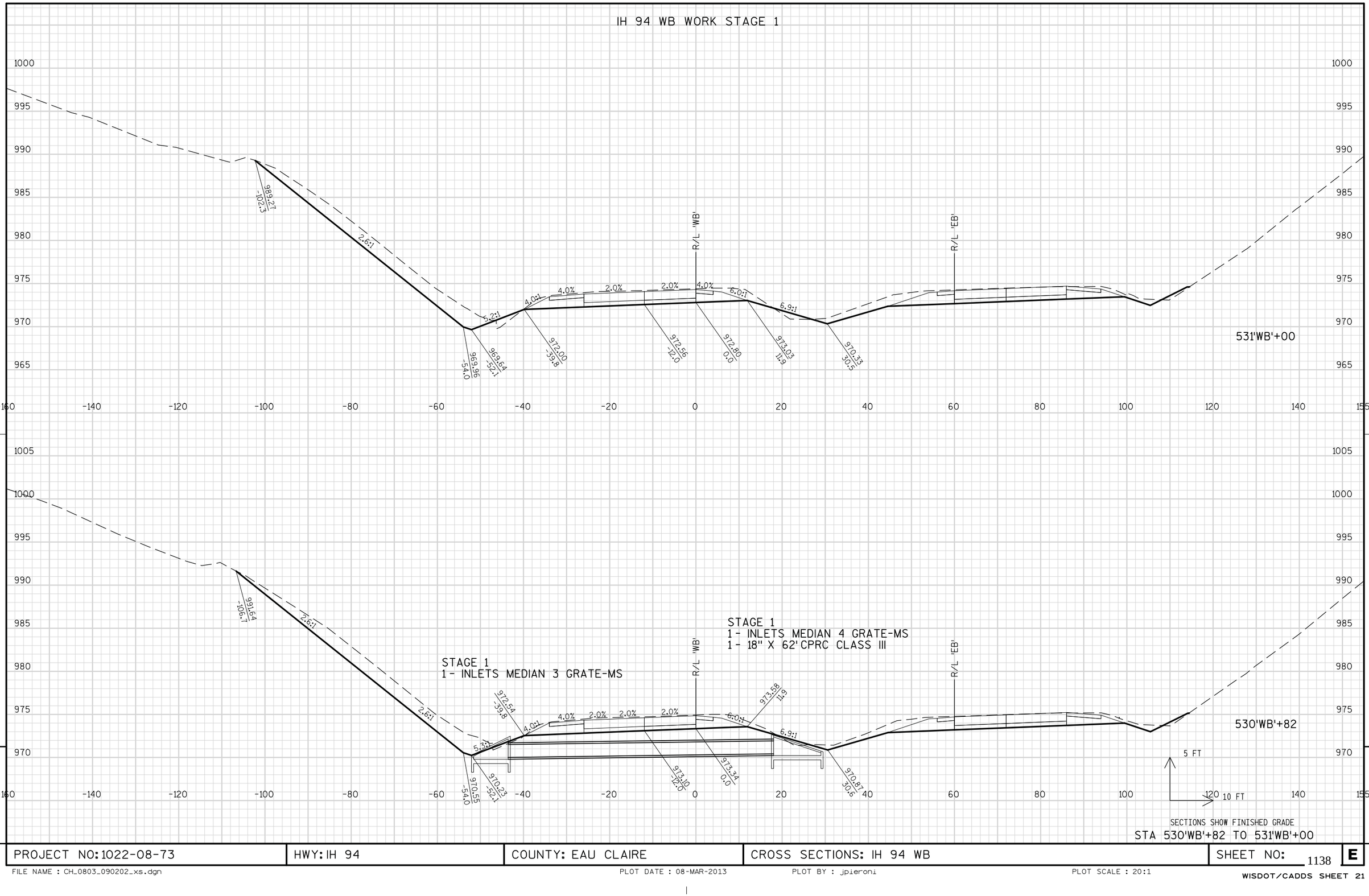


PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 WB	SHEET NO: 1137	E

FILE NAME : CH_0803_090202_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

IH 94 WB WORK STAGE 1



SECTIONS SHOW FINISHED GRADE

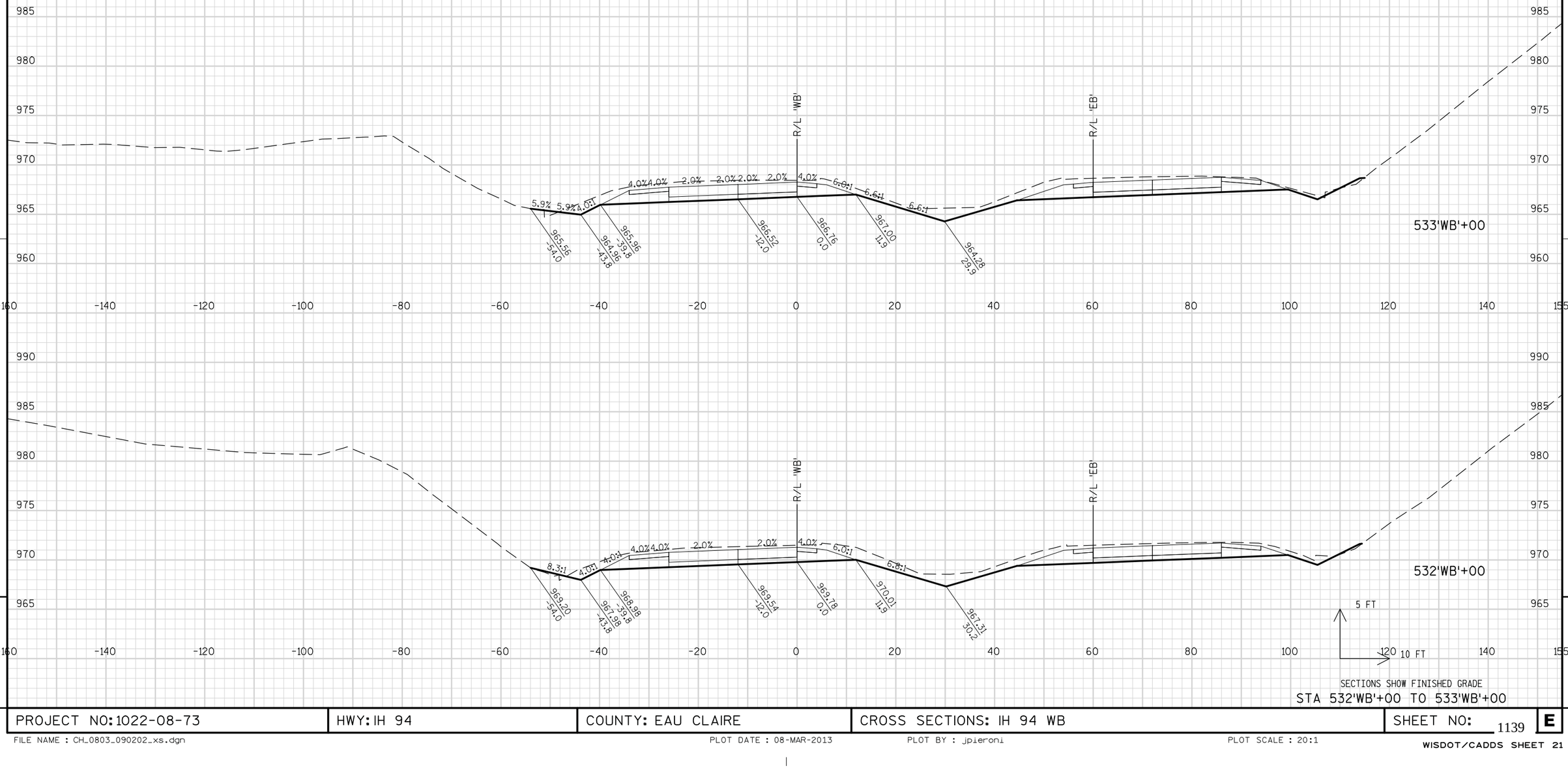
STA 530'WB'+82 TO 531'WB'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 WB	SHEET NO: 1138 E

FILE NAME : CH_0803_090202_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

IH 94 WB WORK STAGE 1

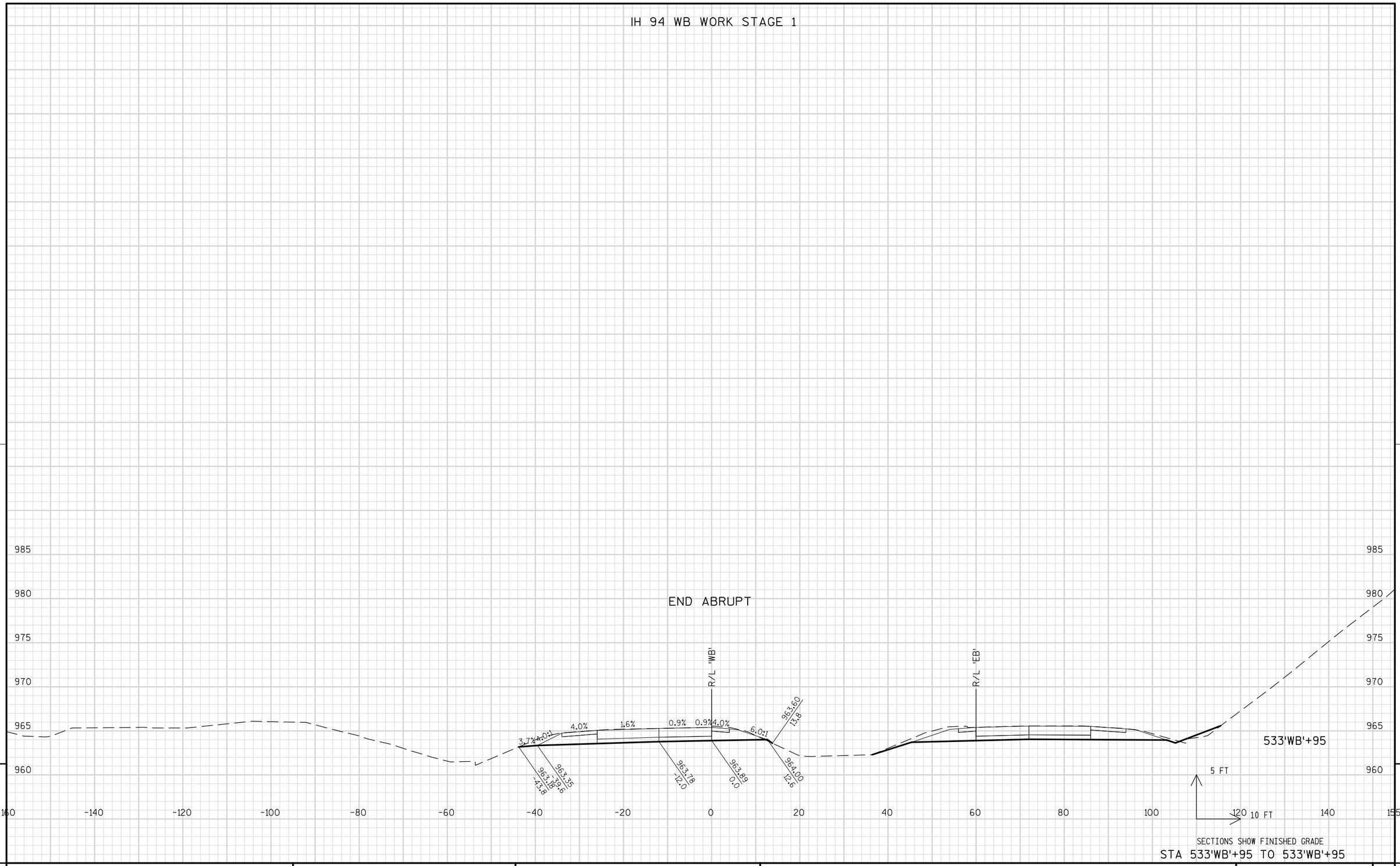


PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 WB	SHEET NO: 1139	E

FILE NAME : CH_0803_090202_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

IH 94 WB WORK STAGE 1

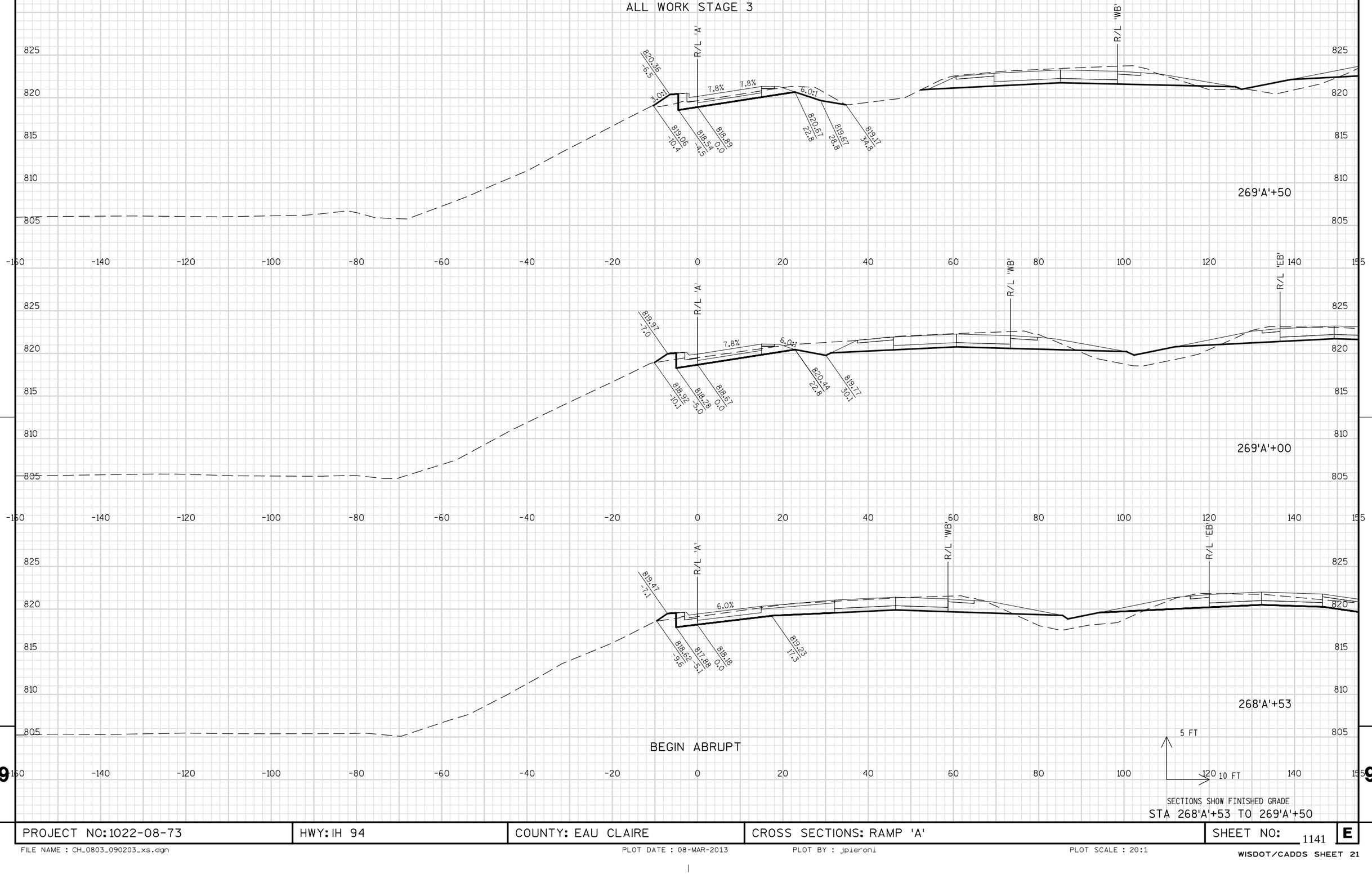


PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 WB	SHEET NO: 1140 E

FILE NAME : CH_0803_090202_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 3



SECTIONS SHOW FINISHED GRADE

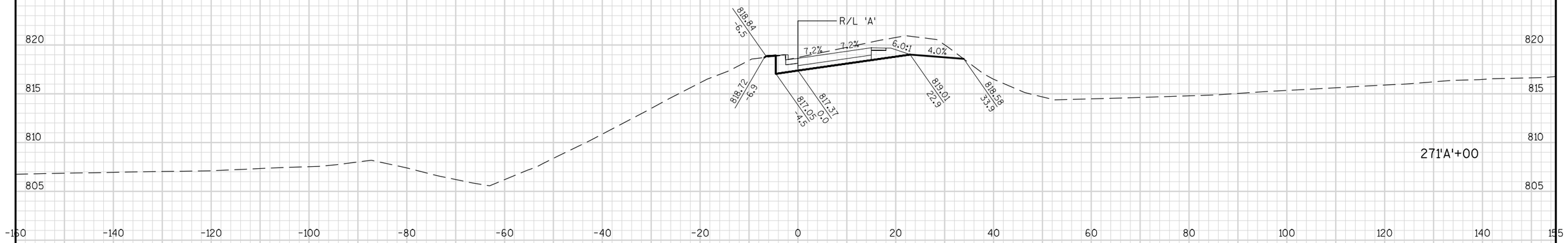
STA 268'A'+53 TO 269'A'+50

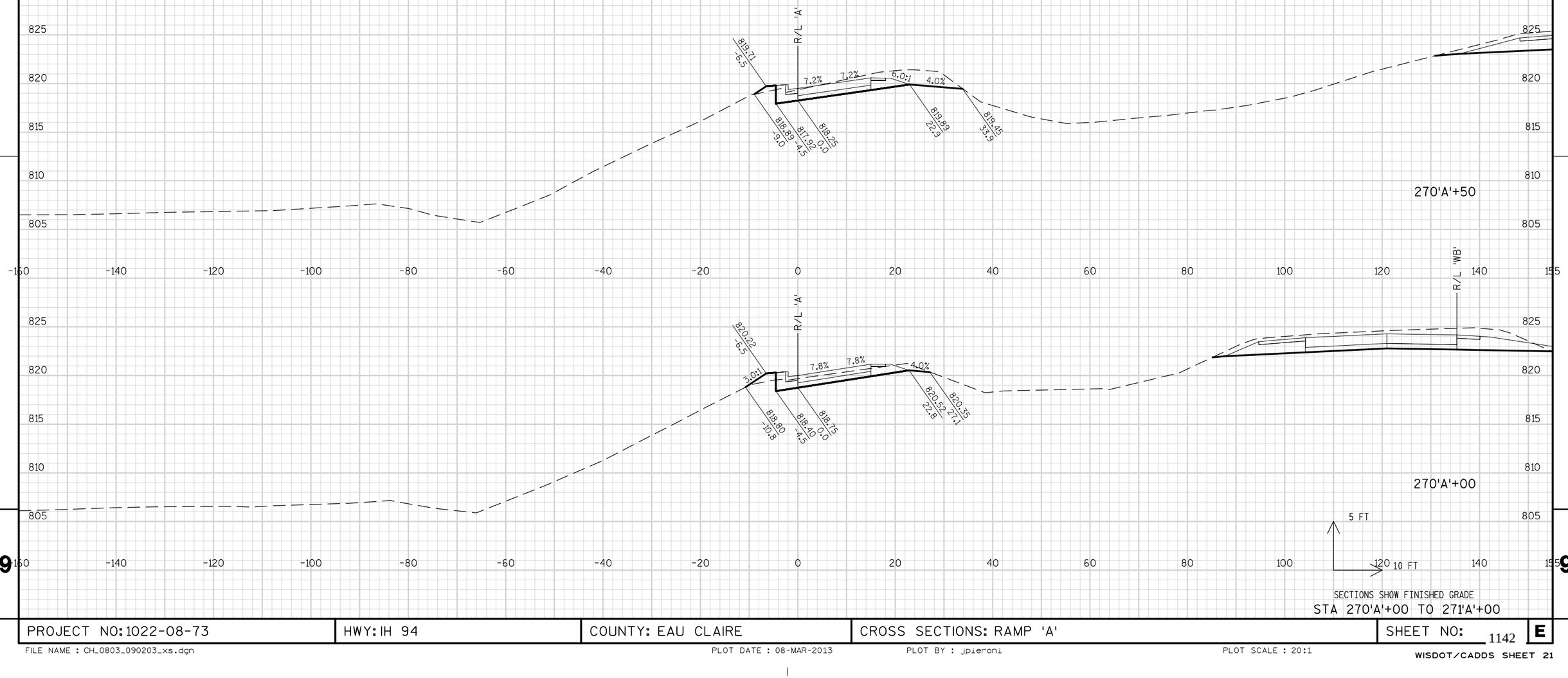
PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: RAMP 'A'	SHEET NO: 1141	E

FILE NAME : CH_0803_090203_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 3





SECTIONS SHOW FINISHED GRADE

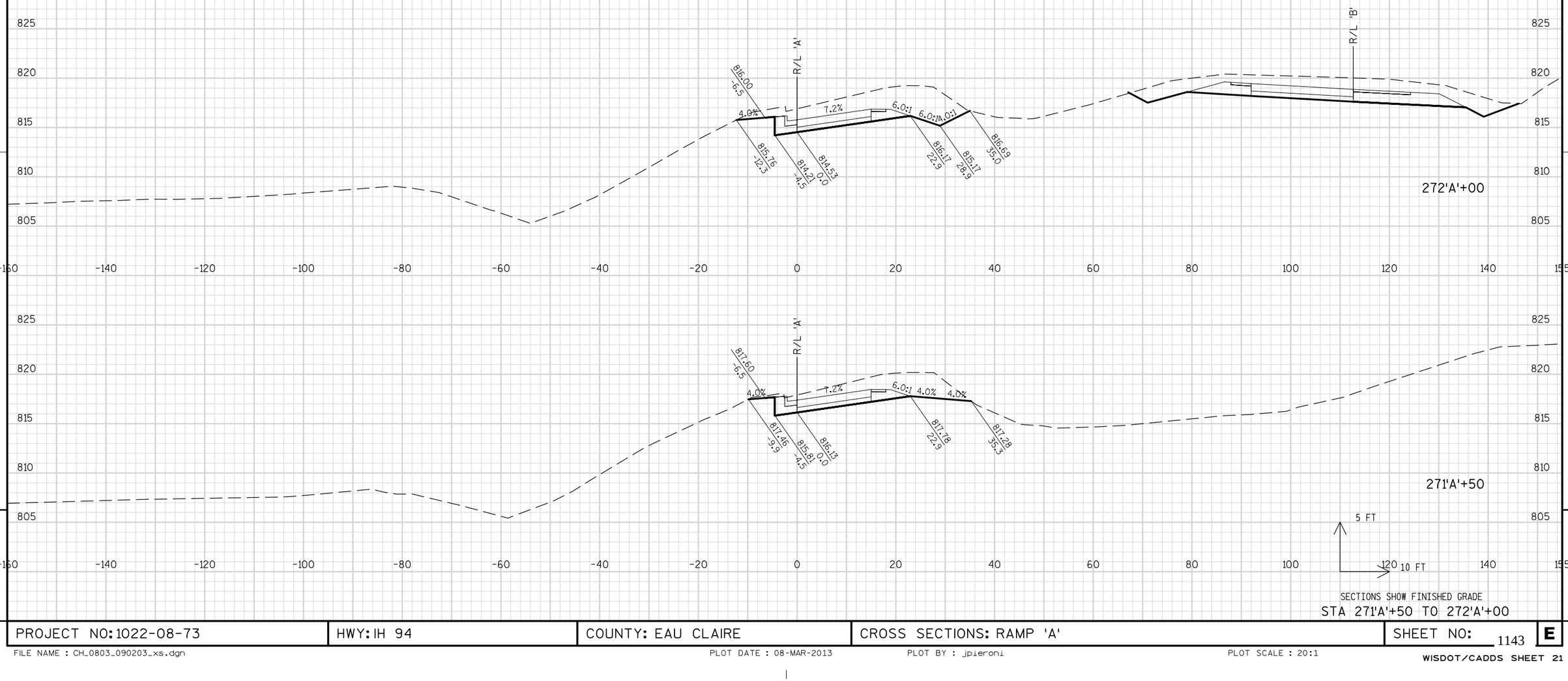
STA 270'A'+00 TO 271'A'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: RAMP 'A'	SHEET NO: 1142	E

FILE NAME : CH_0803_090203_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 3

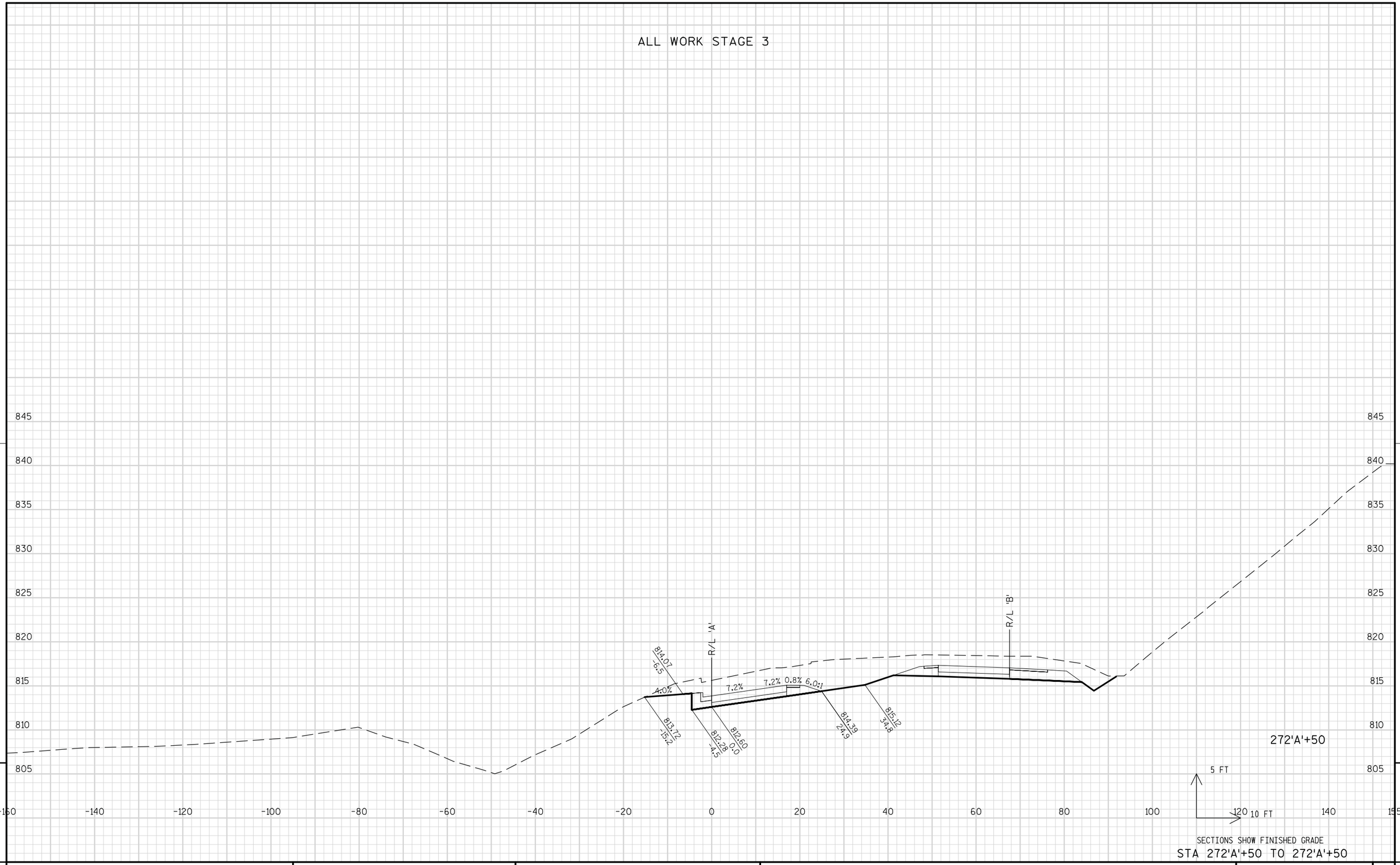


SECTIONS SHOW FINISHED GRADE

STA 271'A'+50 TO 272'A'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: RAMP 'A'	SHEET NO: 1143	E

ALL WORK STAGE 3



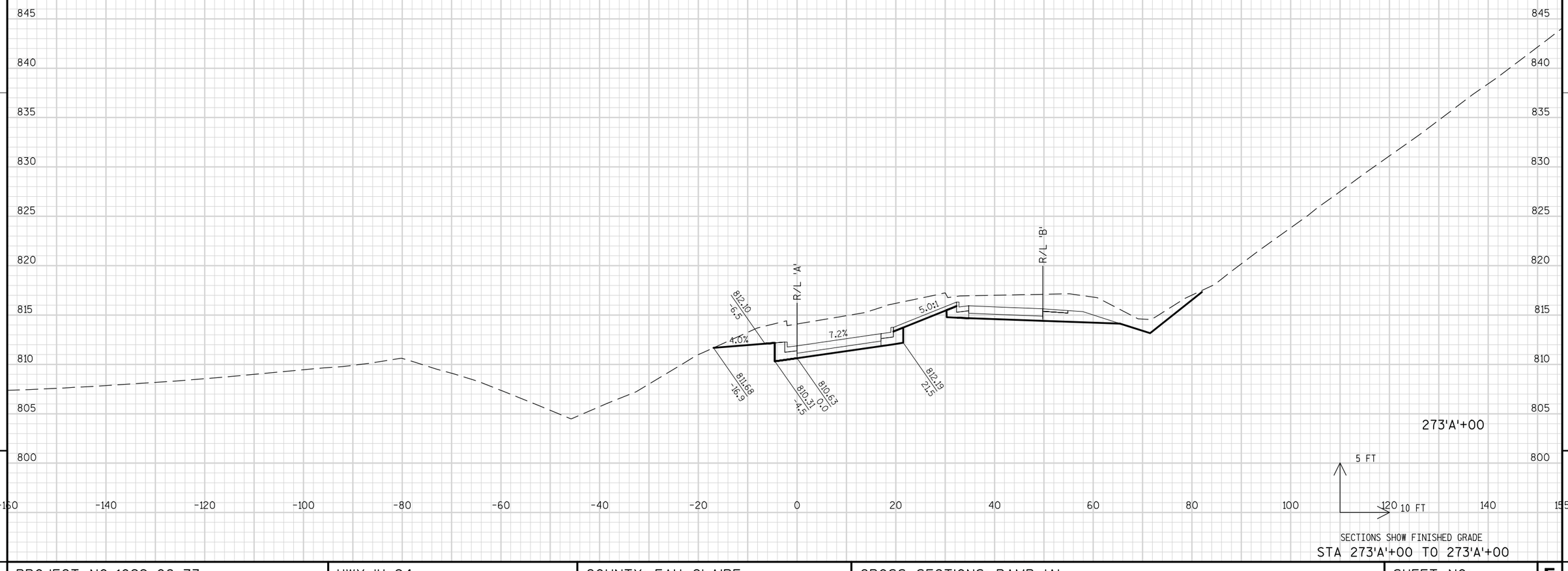
SECTIONS SHOW FINISHED GRADE

STA 272'A'+50 TO 272'A'+50

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: RAMP 'A'	SHEET NO: 1144 E

FILE NAME : CH_0803_090203_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

ALL WORK STAGE 3



SECTIONS SHOW FINISHED GRADE

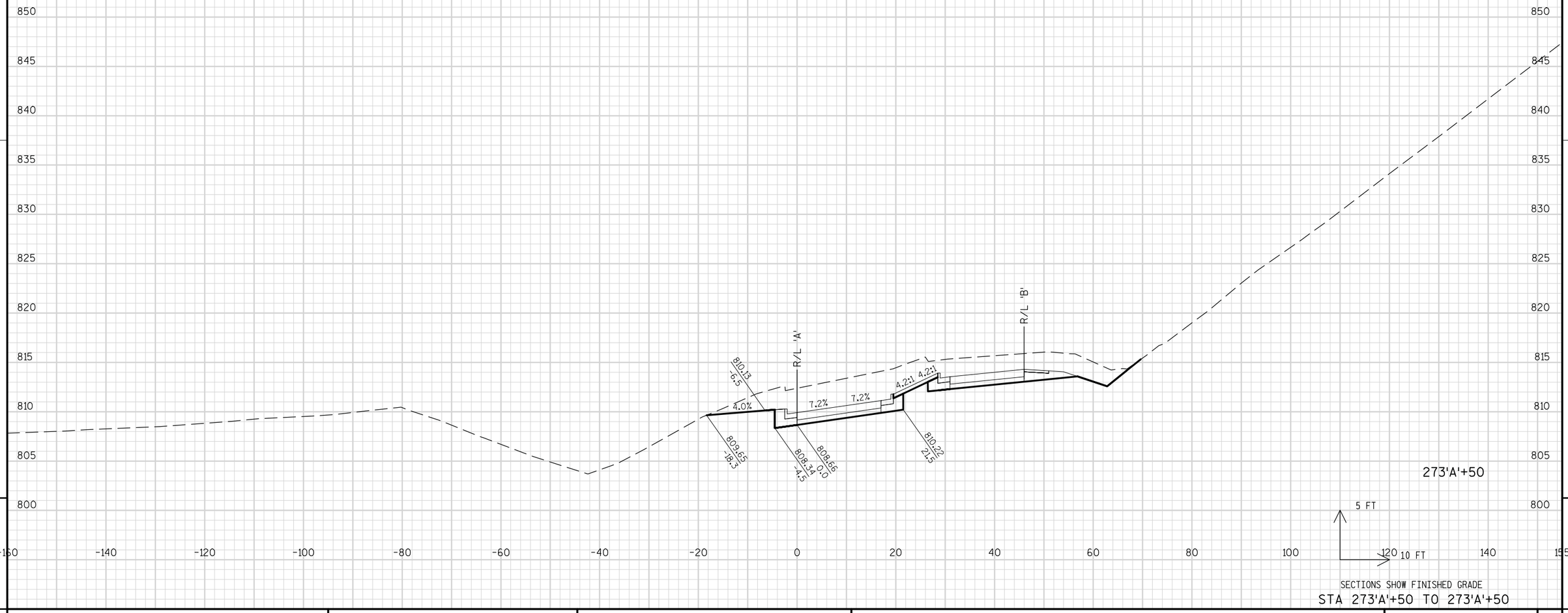
STA 273'A'+00 TO 273'A'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: RAMP 'A'	SHEET NO: 1145	E

FILE NAME : CH_0803_090203_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 3



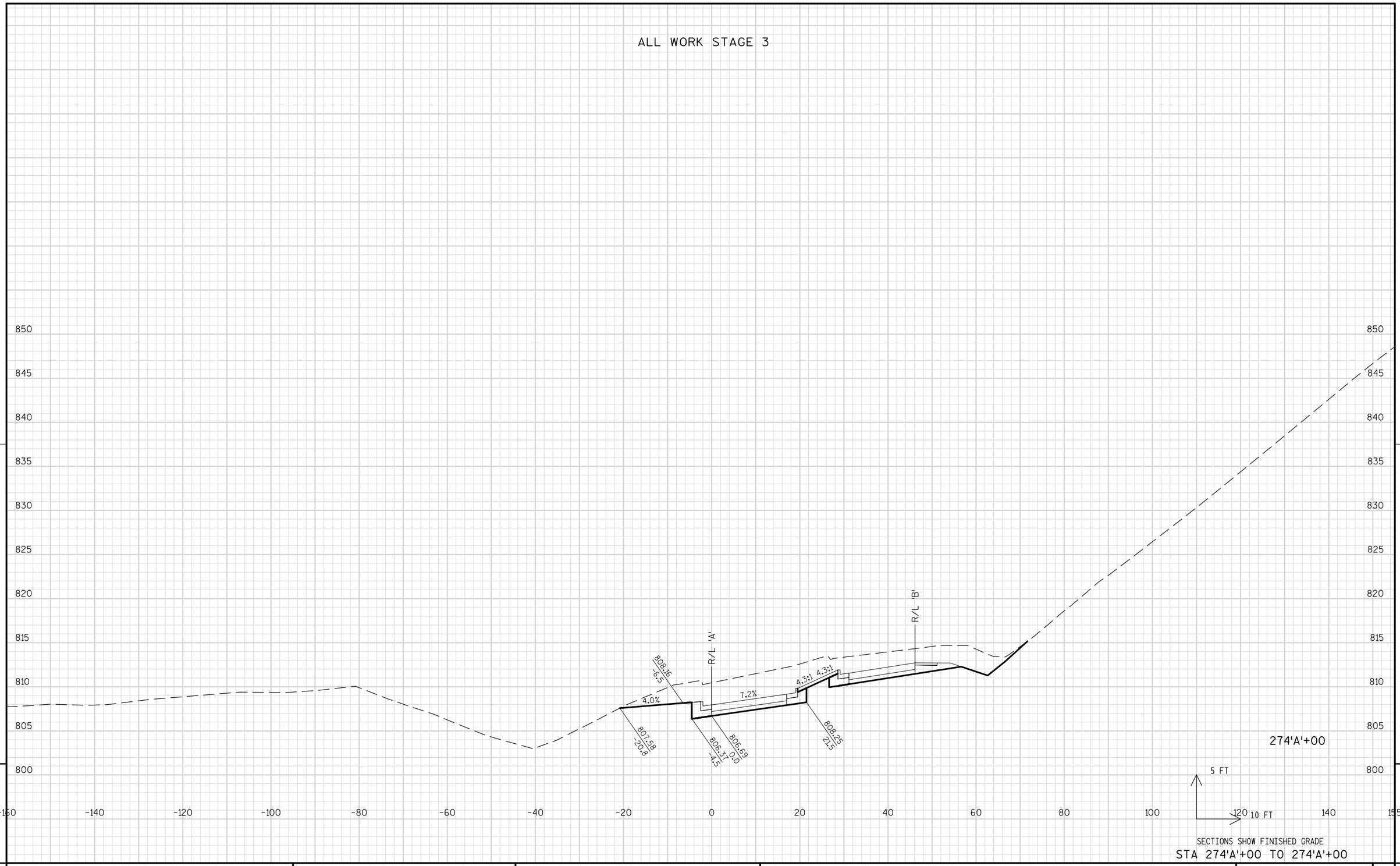
SECTIONS SHOW FINISHED GRADE

STA 273'A'+50 TO 273'A'+50

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: RAMP 'A'	SHEET NO: 1146 E

FILE NAME : CH_0803_090203_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

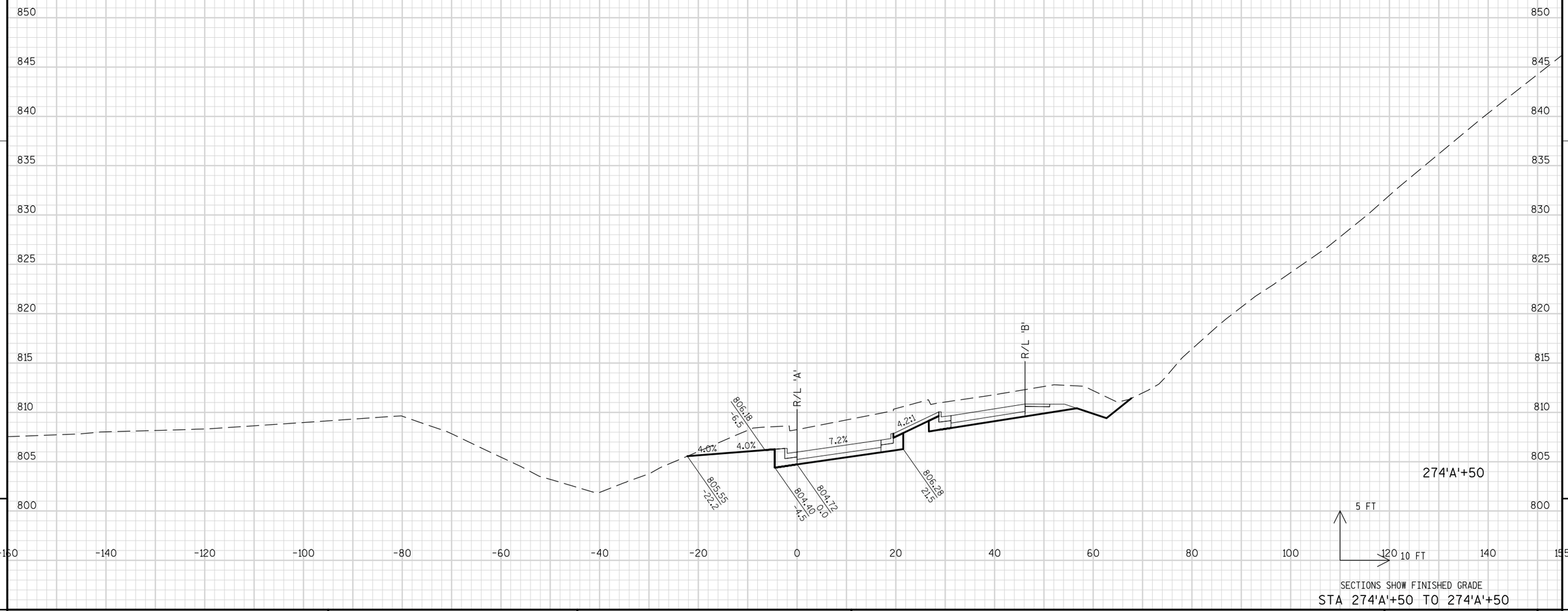
ALL WORK STAGE 3



PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: RAMP 'A'	SHEET NO: 1147 E

FILE NAME : CH_0803_090203_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

ALL WORK STAGE 3

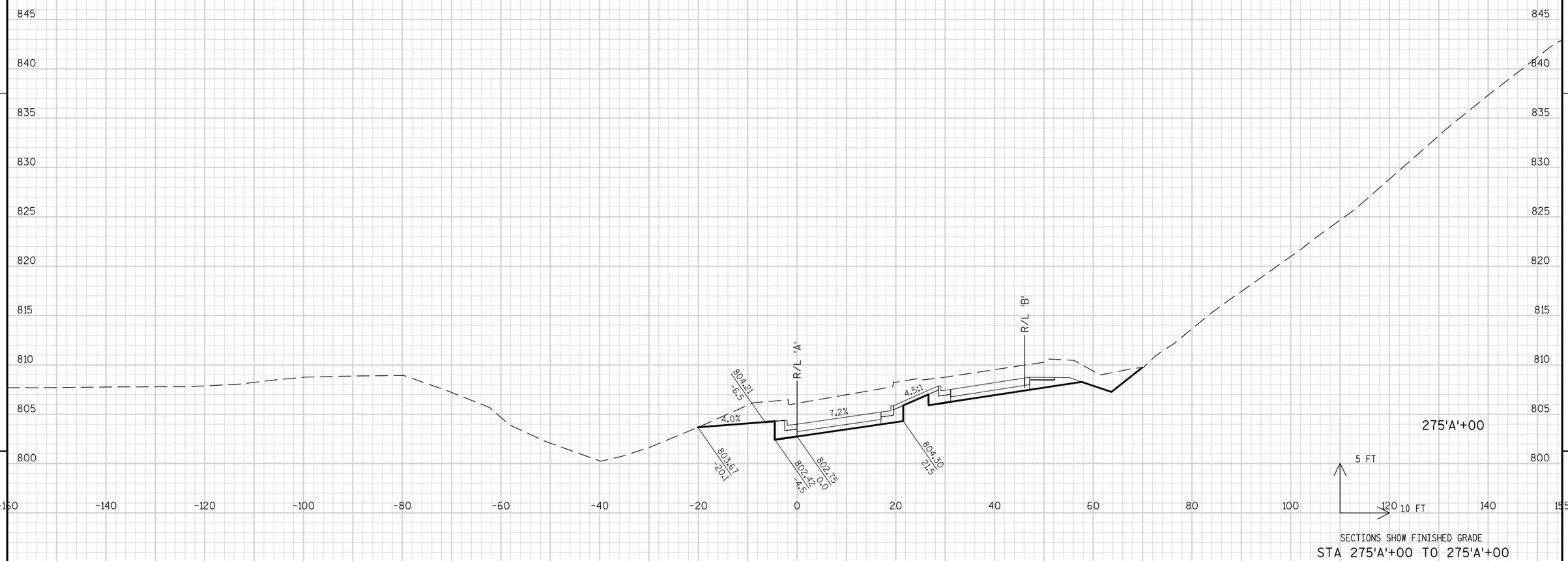


PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: RAMP 'A'	SHEET NO: 1148 E

FILE NAME : CH_0803_090203_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 3



SECTIONS SHOW FINISHED GRADE

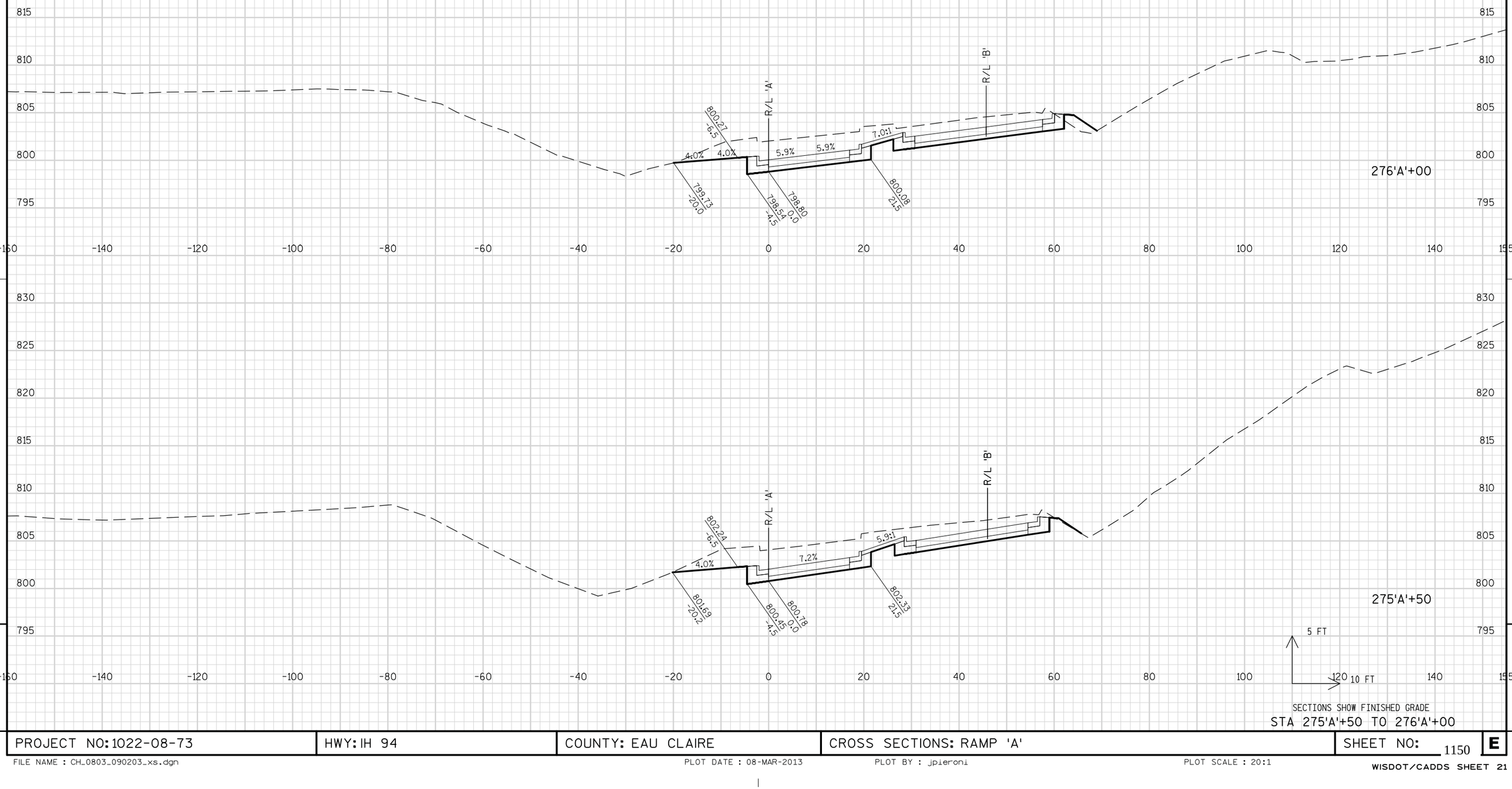
STA 275'A'+00 TO 275'A'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: RAMP 'A'	SHEET NO: 1149	E

FILE NAME : CH_0803_090203_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 3



SECTIONS SHOW FINISHED GRADE

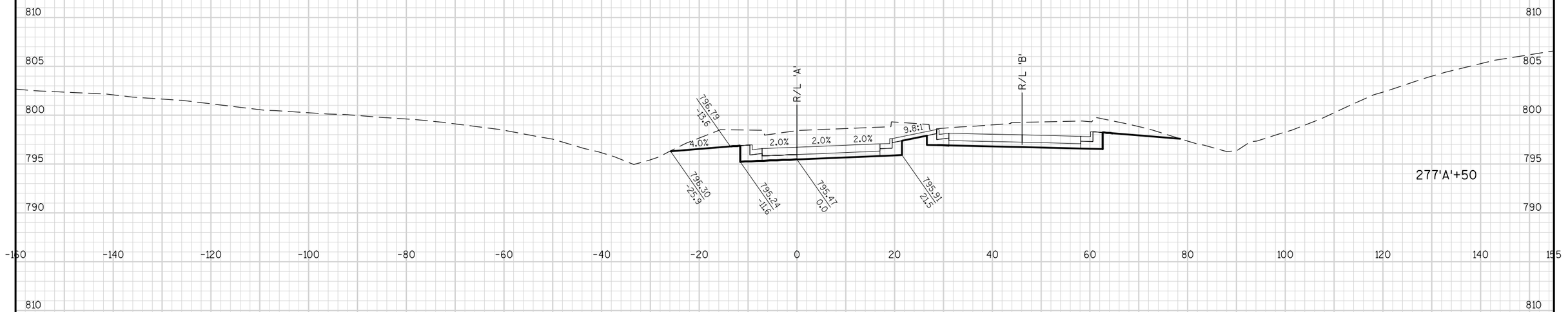
STA 275'A'+50 TO 276'A'+00

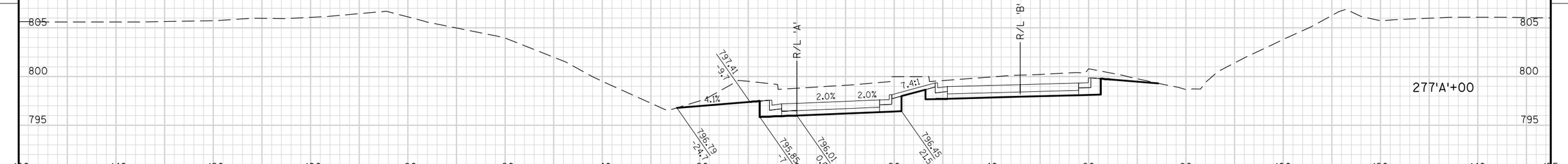
PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: RAMP 'A'	SHEET NO: 1150 E

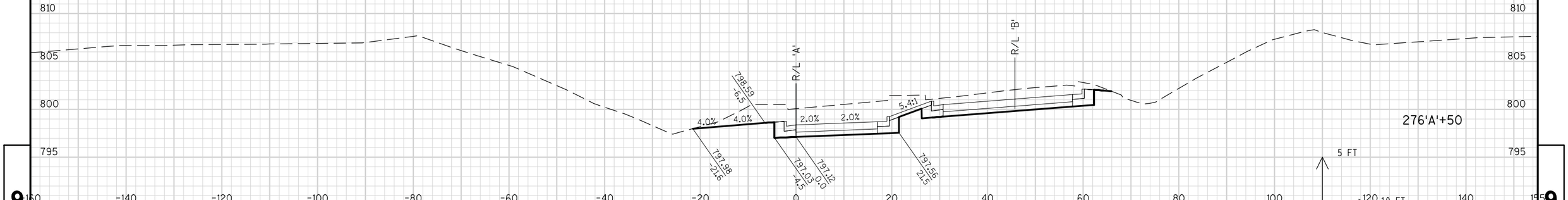
FILE NAME : CH_0803_090203_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 3







SECTIONS SHOW FINISHED GRADE

STA 276'A'+50 TO 277'A'+50

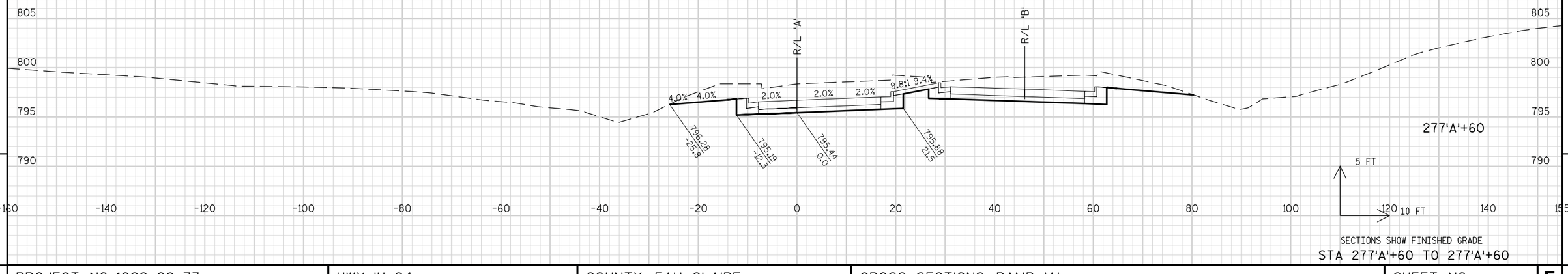
PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: RAMP 'A'	SHEET NO: 1151	E

FILE NAME : CH_0803_090203_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 3

END ABRUPT



SECTIONS SHOW FINISHED GRADE

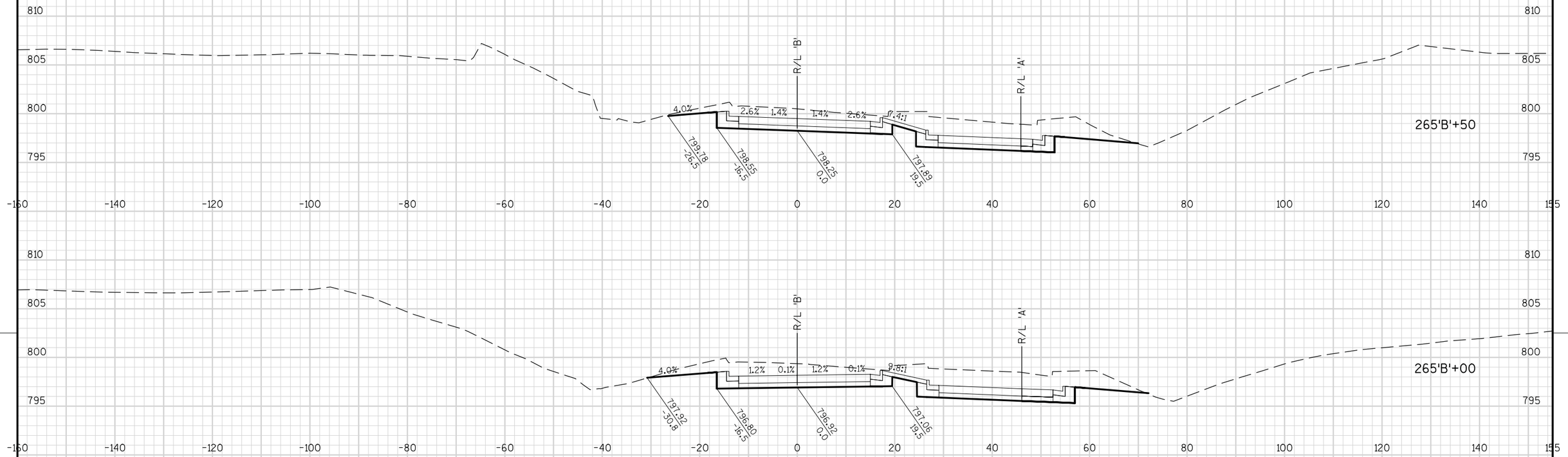
STA 277'A'+60 TO 277'A'+60

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: RAMP 'A'	SHEET NO: 1152 E

FILE NAME : CH_0803_090203_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : mmorgan PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 3



BEGIN ABRUPT

5 FT
10 FT

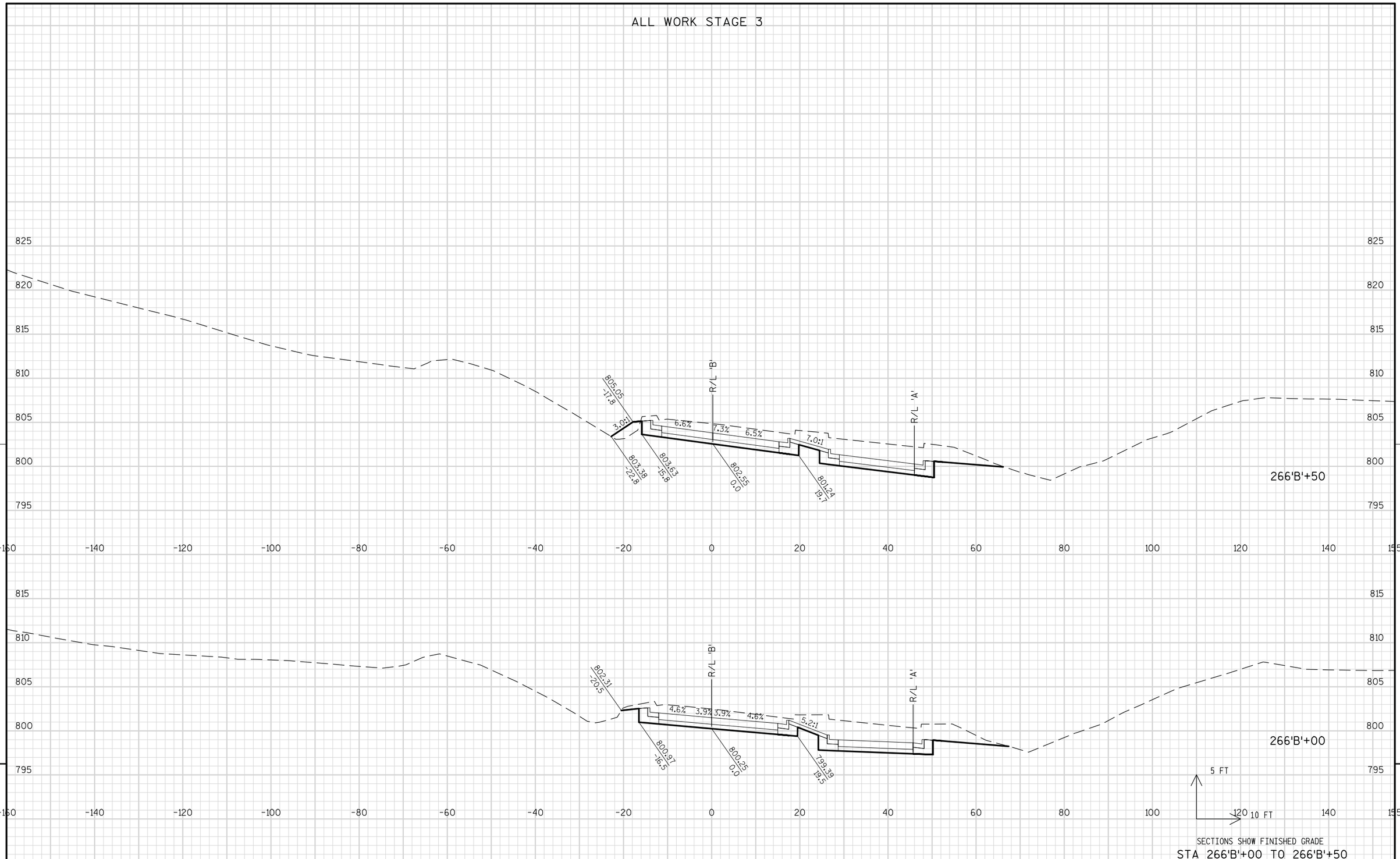
SECTIONS SHOW FINISHED GRADE
STA 264'B'+85 TO 265'B'+50

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: RAMP 'B'	SHEET NO: 1153 E

FILE NAME : CH_0803_090204_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 3



SECTIONS SHOW FINISHED GRADE

STA 266'B'+00 TO 266'B'+50

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: RAMP 'B'	SHEET NO: 1154	E

FILE NAME : CH_0803_090204_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 3



SECTIONS SHOW FINISHED GRADE

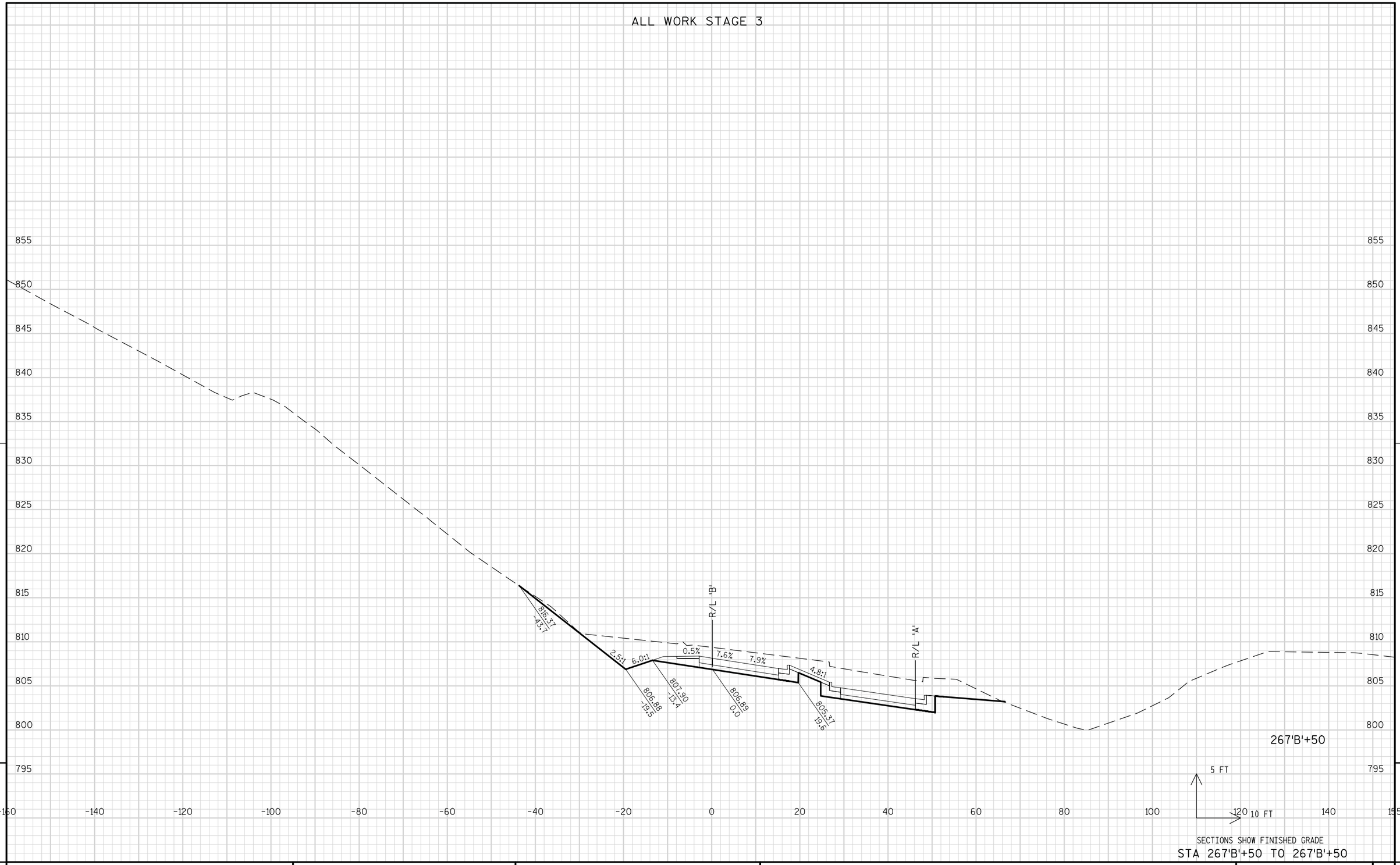
STA 267'B'+00 TO 267'B'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: RAMP 'B'	SHEET NO: 1155 E

FILE NAME : CH_0803_090204_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 3



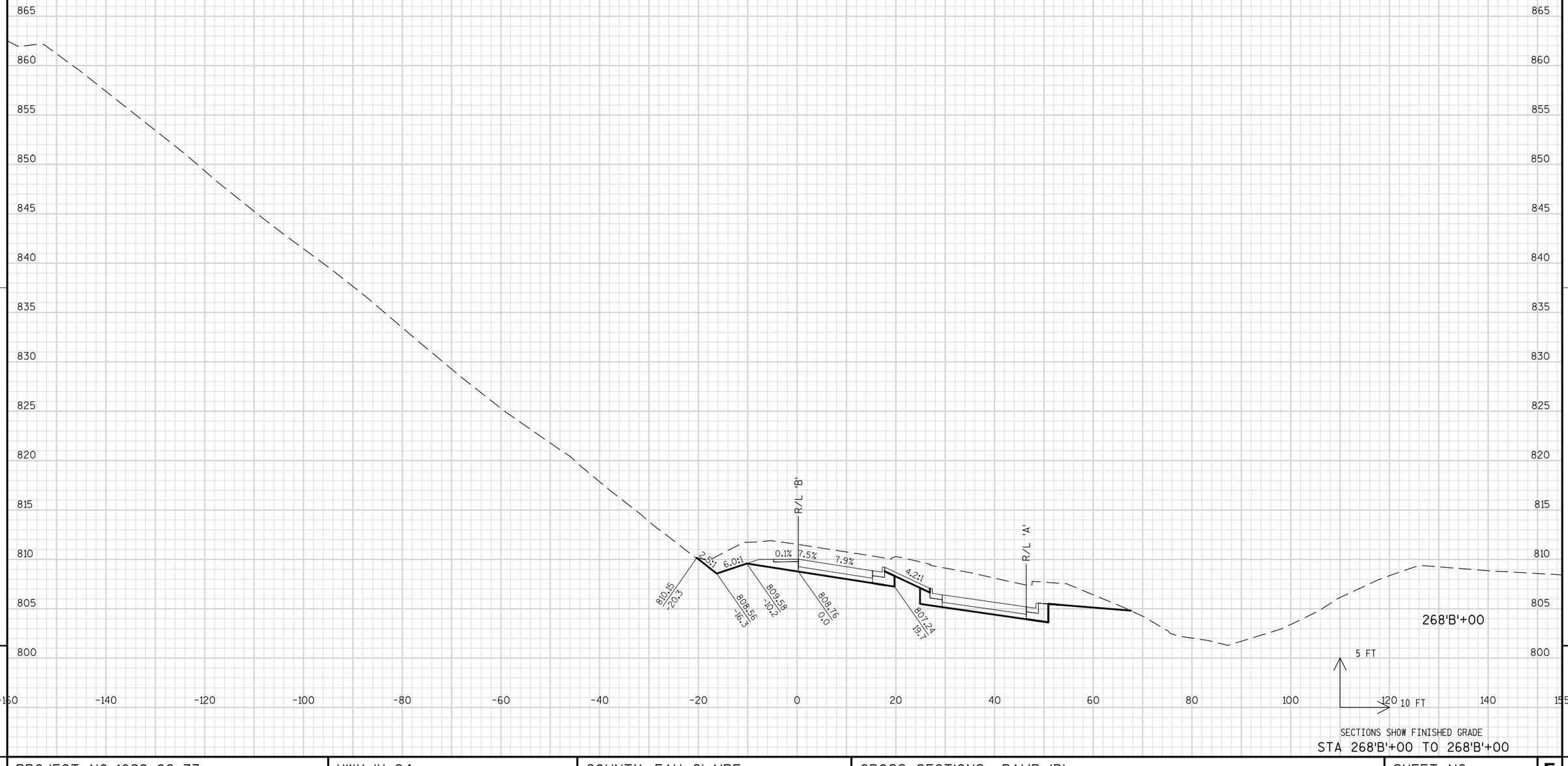
SECTIONS SHOW FINISHED GRADE

STA 267'B'+50 TO 267'B'+50

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: RAMP 'B'	SHEET NO: 1156 E

FILE NAME : CH_0803_090204_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

ALL WORK STAGE 3



SECTIONS SHOW FINISHED GRADE

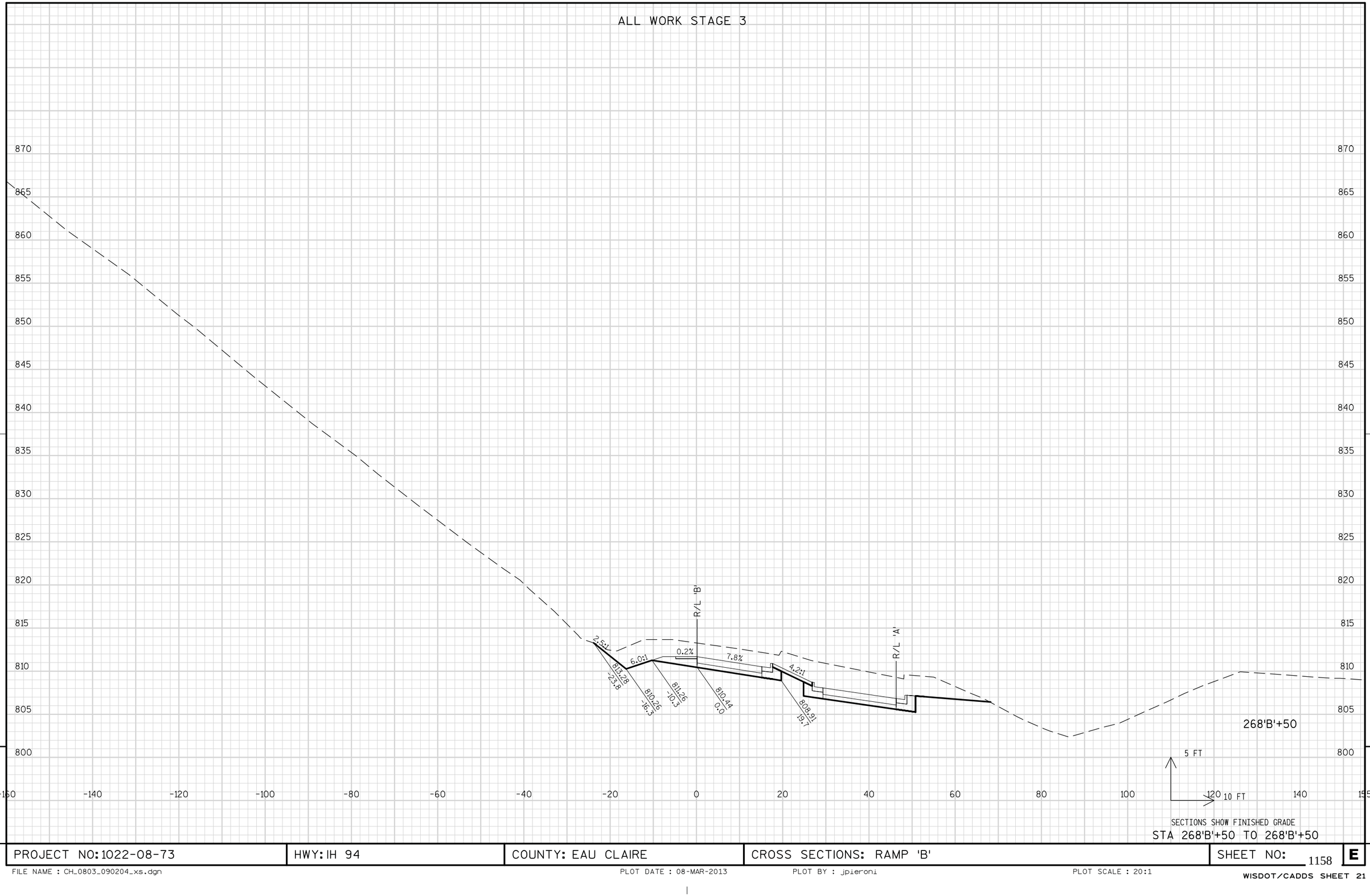
STA 268'B'+00 TO 268'B'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: RAMP 'B'	SHEET NO: 1157	E

FILE NAME : CH_0803_090204_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 3



SECTIONS SHOW FINISHED GRADE

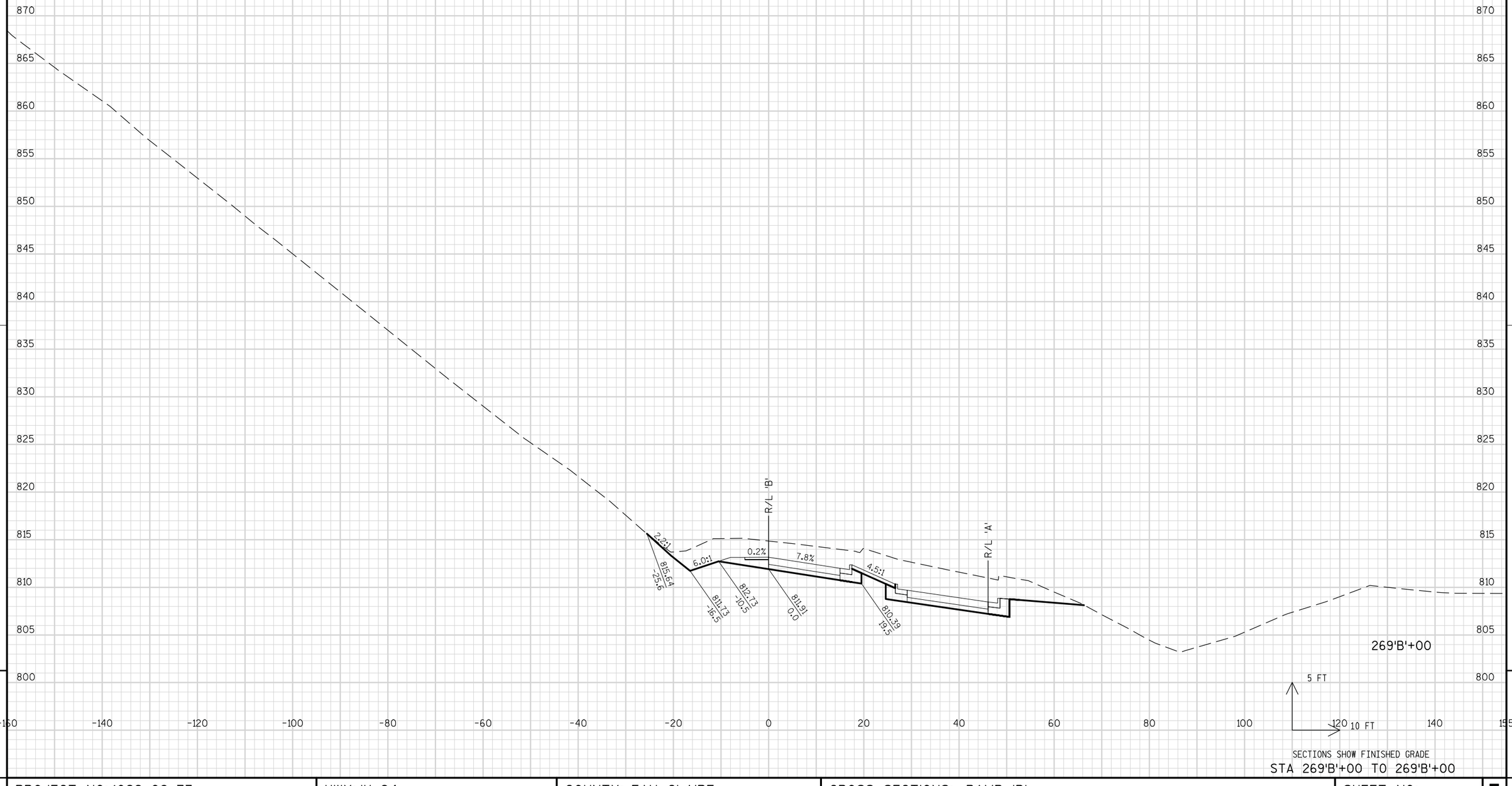
STA 268'B'+50 TO 268'B'+50

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: RAMP 'B'	SHEET NO: 1158 E

FILE NAME : CH_0803_090204_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 3



SECTIONS SHOW FINISHED GRADE

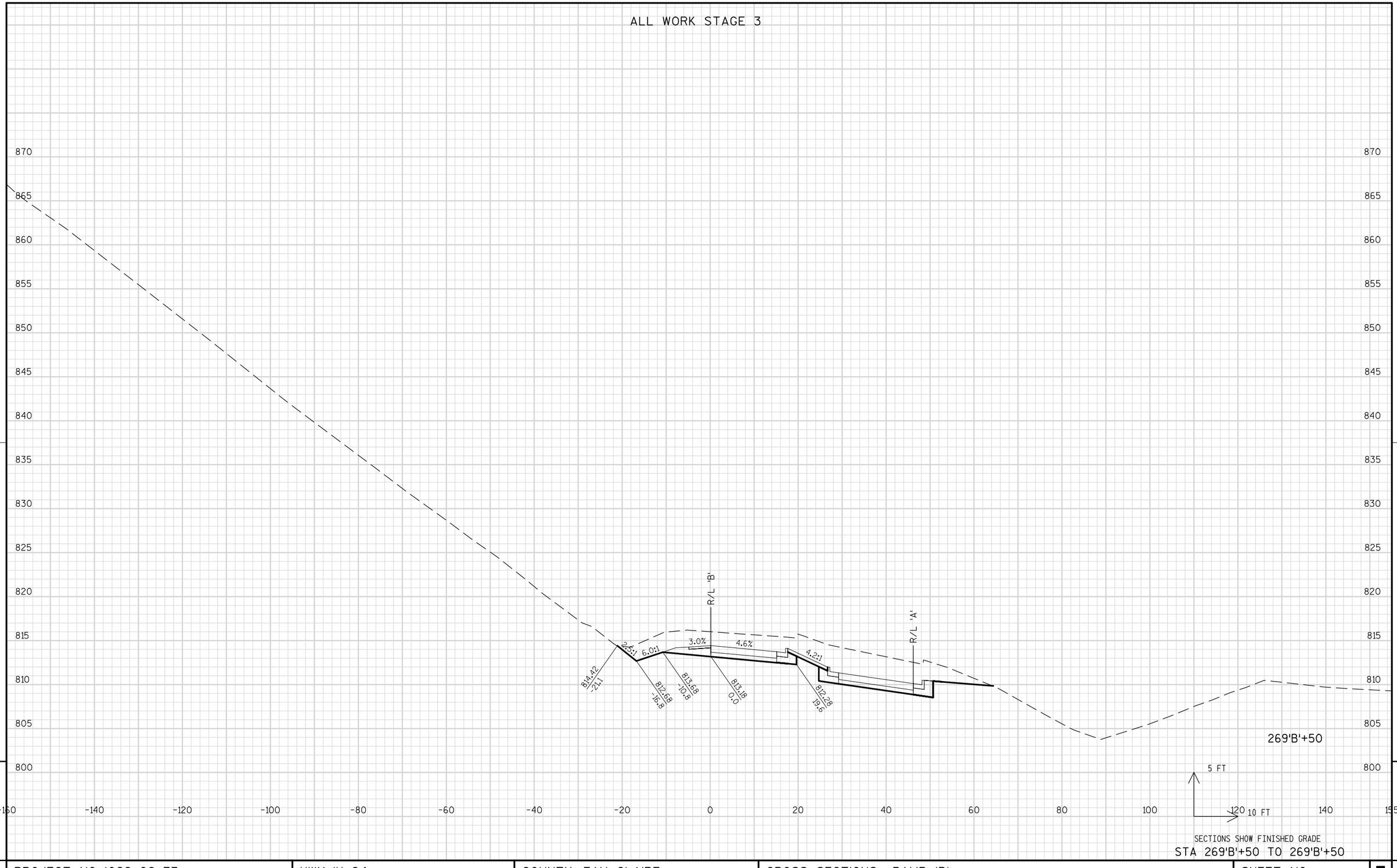
STA 269'B'+00 TO 269'B'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: RAMP 'B'	SHEET NO: 1159	E

FILE NAME : CH_0803_090204_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 3



SECTIONS SHOW FINISHED GRADE

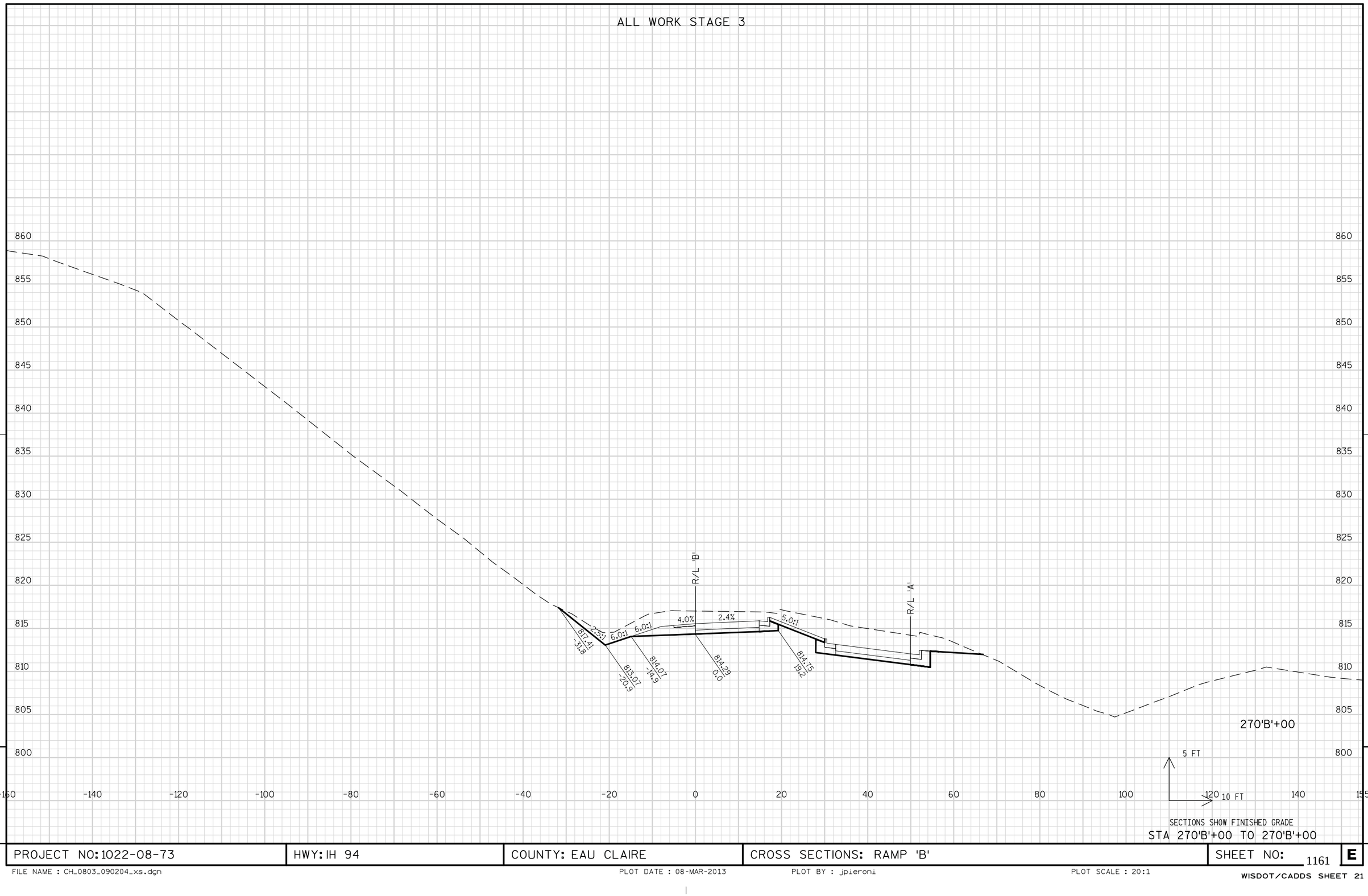
STA 269'B'+50 TO 269'B'+50

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: RAMP 'B'	SHEET NO: 1160	E

FILE NAME : CH_0803_090204_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 3



SECTIONS SHOW FINISHED GRADE

STA 270'B'+00 TO 270'B'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: RAMP 'B'	SHEET NO: 1161 E

FILE NAME : CH_0803_090204_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 3



SECTIONS SHOW FINISHED GRADE

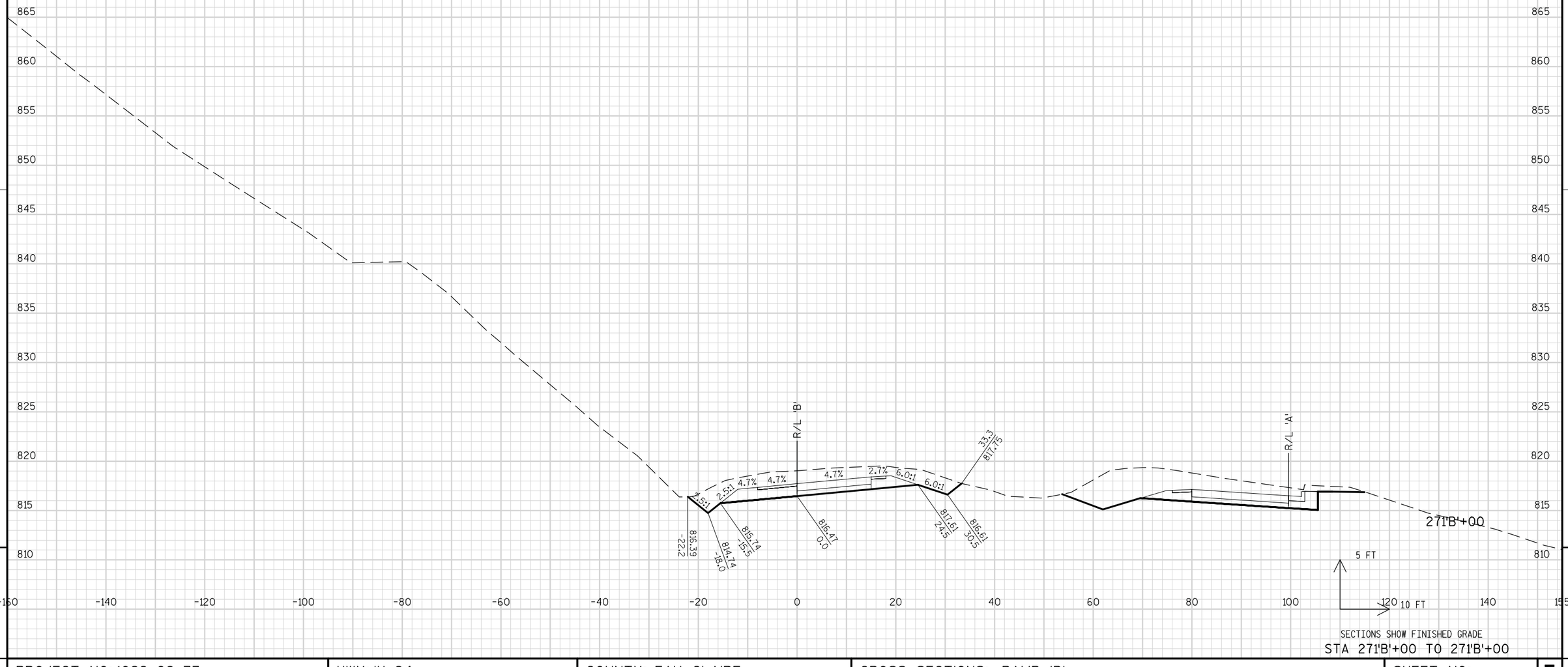
STA 270'B'+50 TO 270'B'+50

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: RAMP 'B'	SHEET NO: 1162	E

FILE NAME : CH_0803_090204_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 3



SECTIONS SHOW FINISHED GRADE

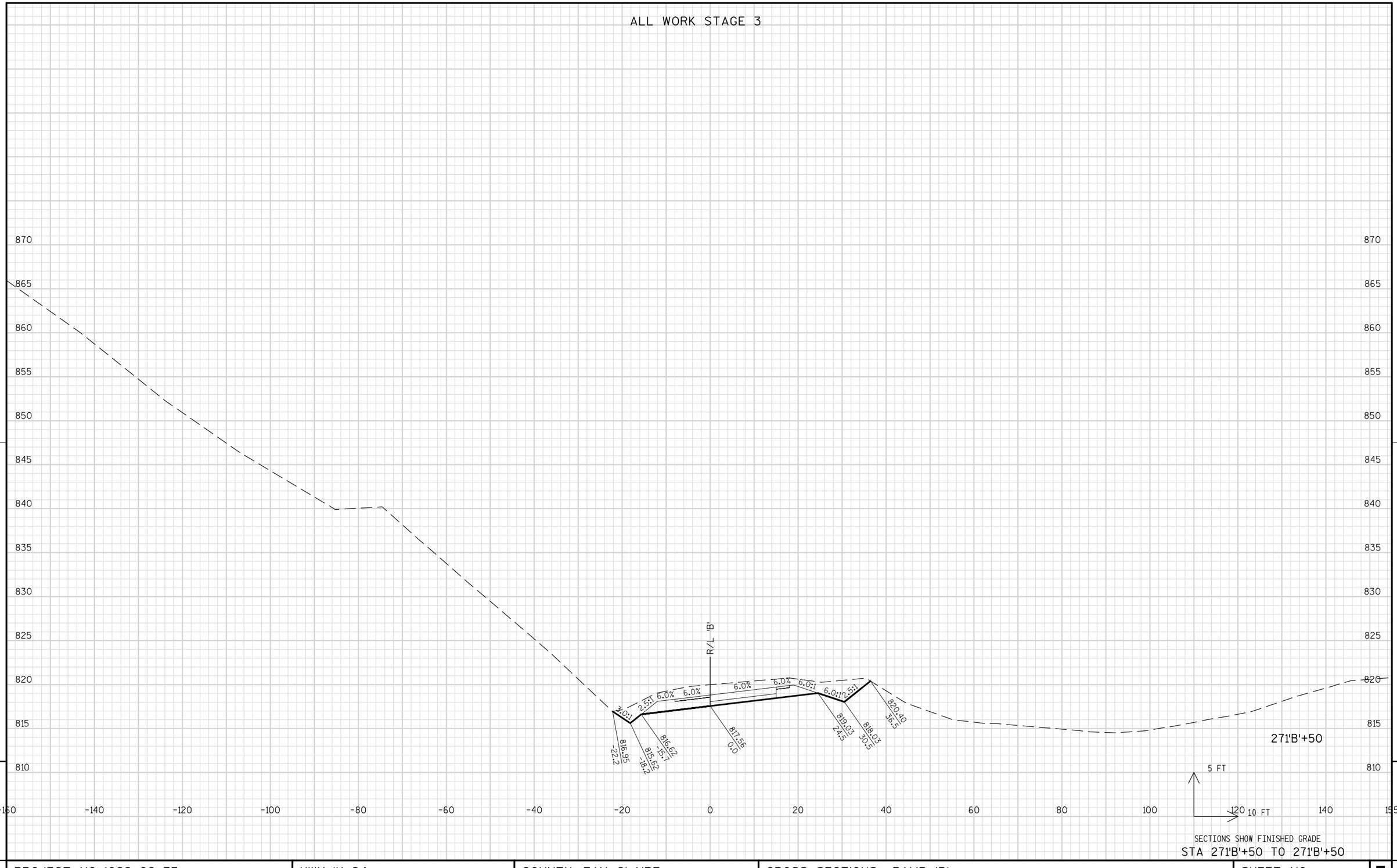
STA 271'B'+00 TO 271'B'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: RAMP 'B'	SHEET NO: 1163	E

FILE NAME : CH_0803_090204_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 3

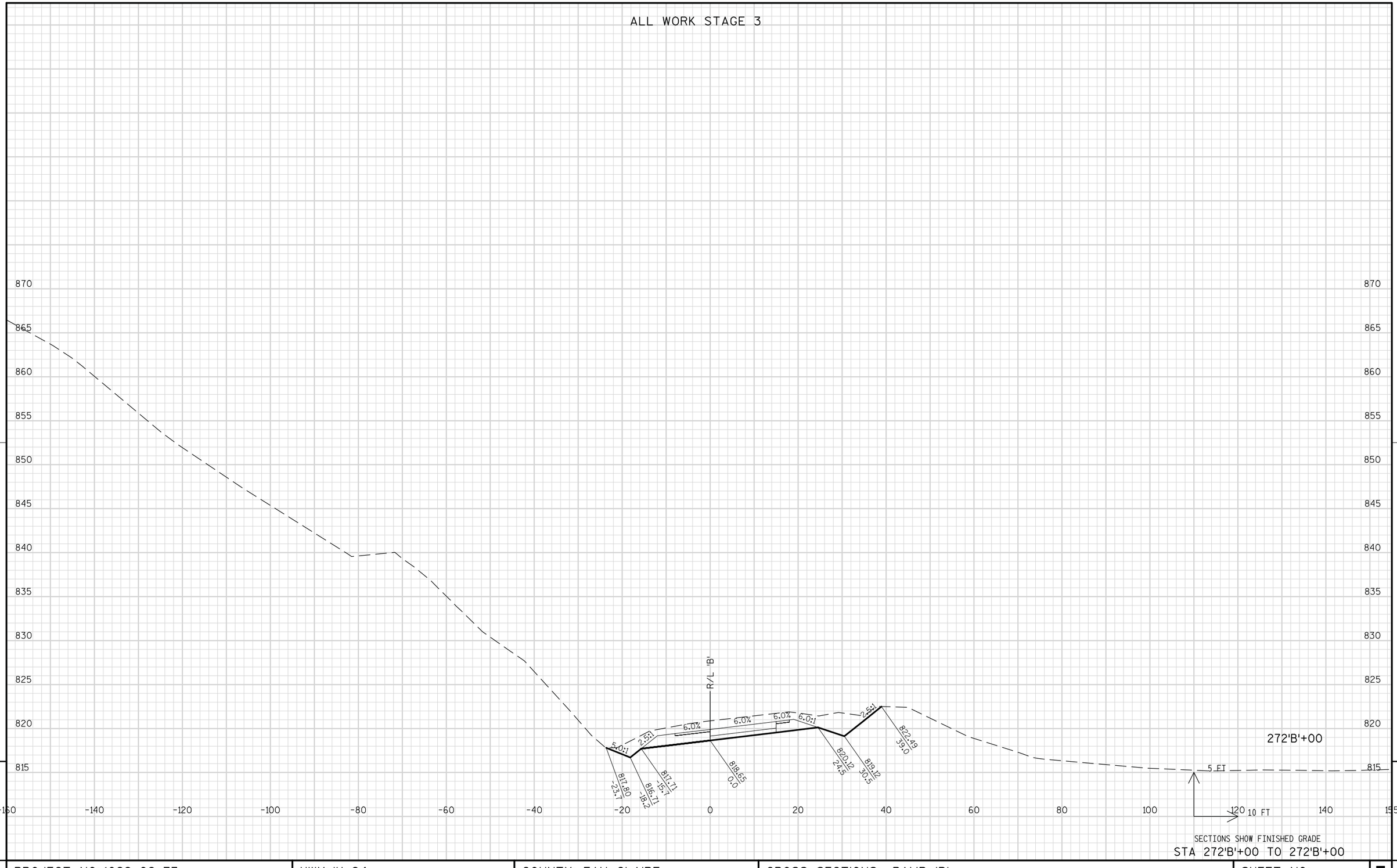


PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: RAMP 'B'	SHEET NO: 1164	E

FILE NAME : CH_0803_090204_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 3



SECTIONS SHOW FINISHED GRADE

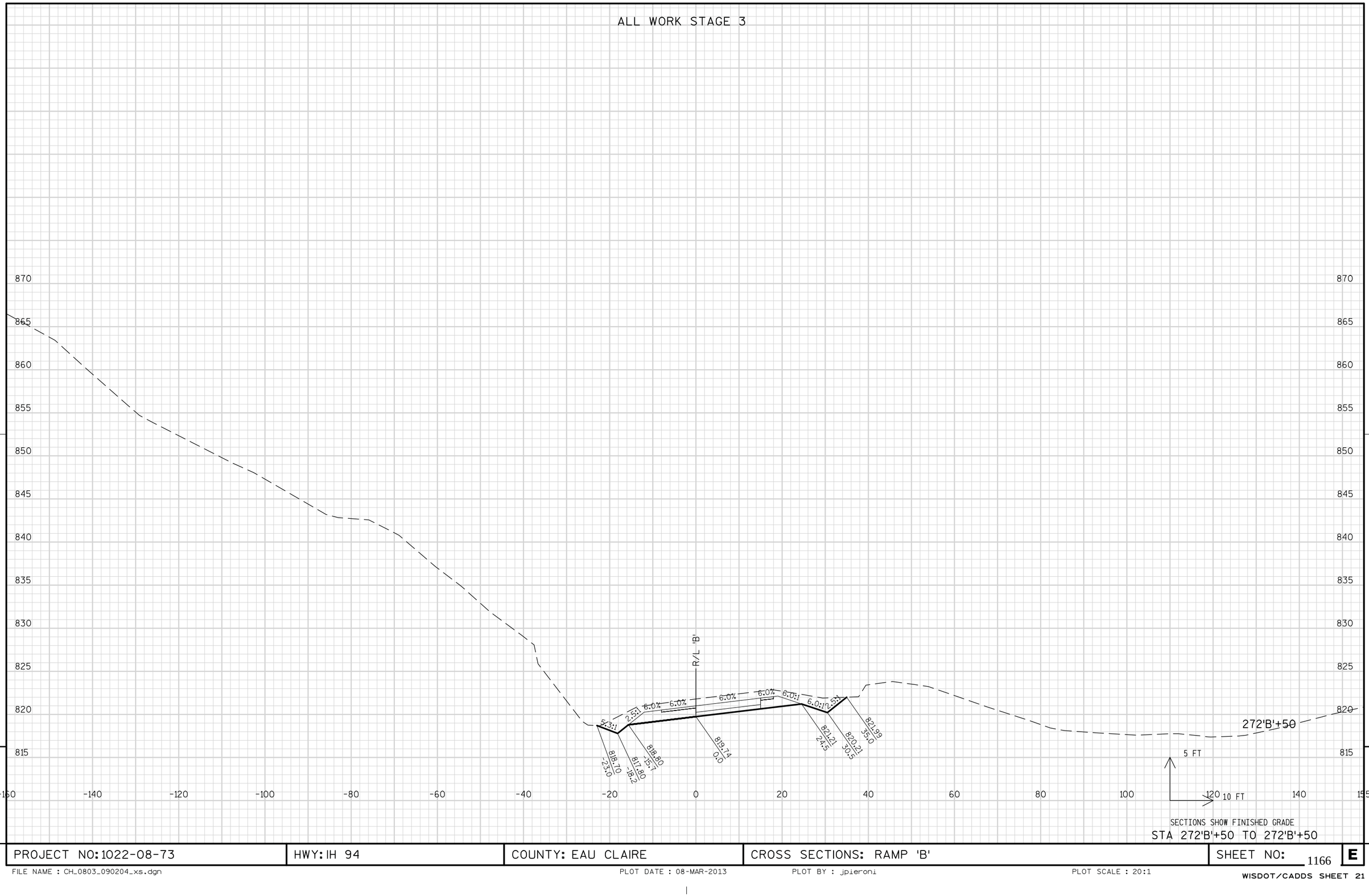
STA 272'B'+00 TO 272'B'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: RAMP 'B'	SHEET NO: 1165	E

FILE NAME : CH_0803_090204_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 3

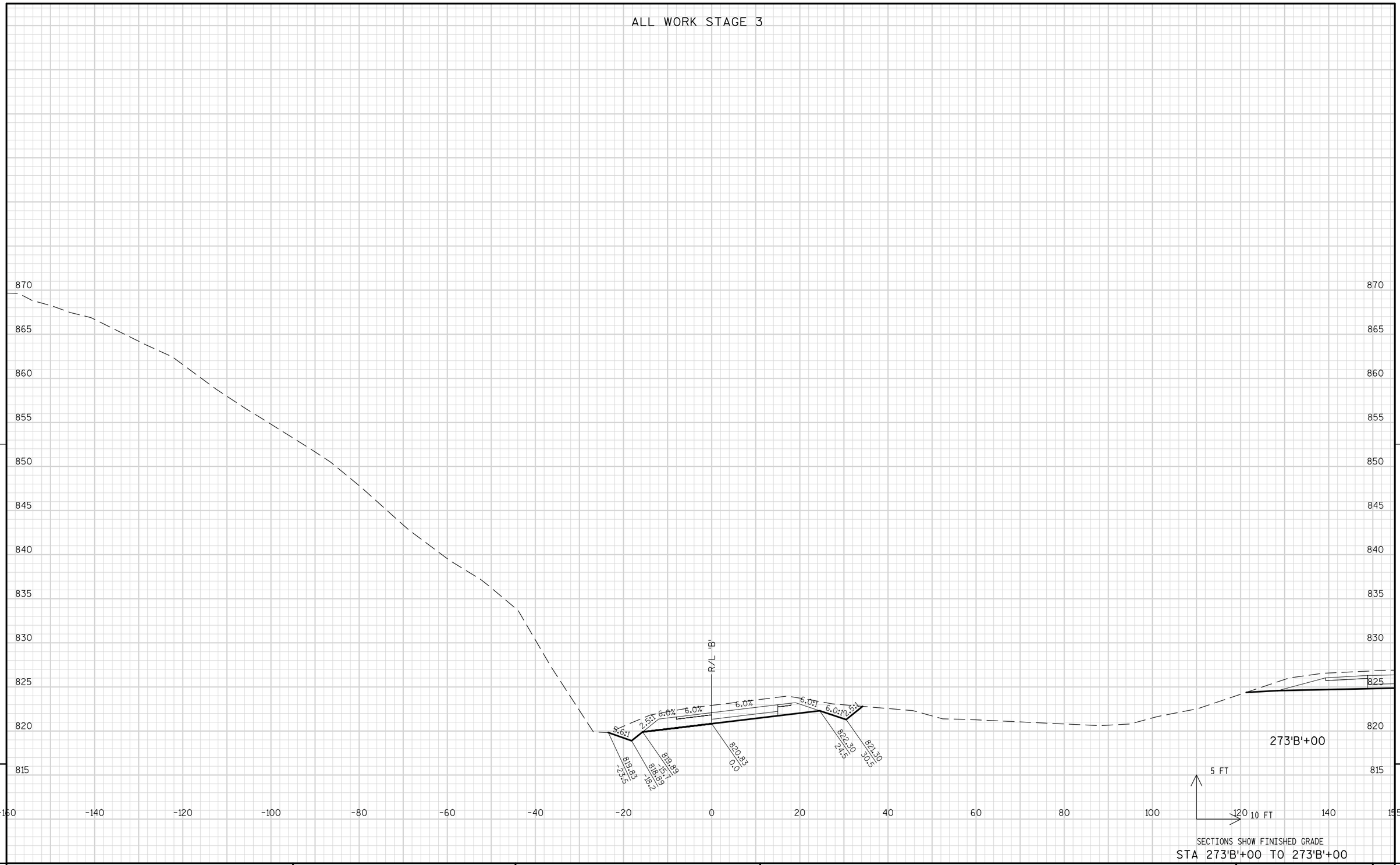


PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: RAMP 'B'	SHEET NO: 1166 E

FILE NAME : CH_0803_090204_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 3

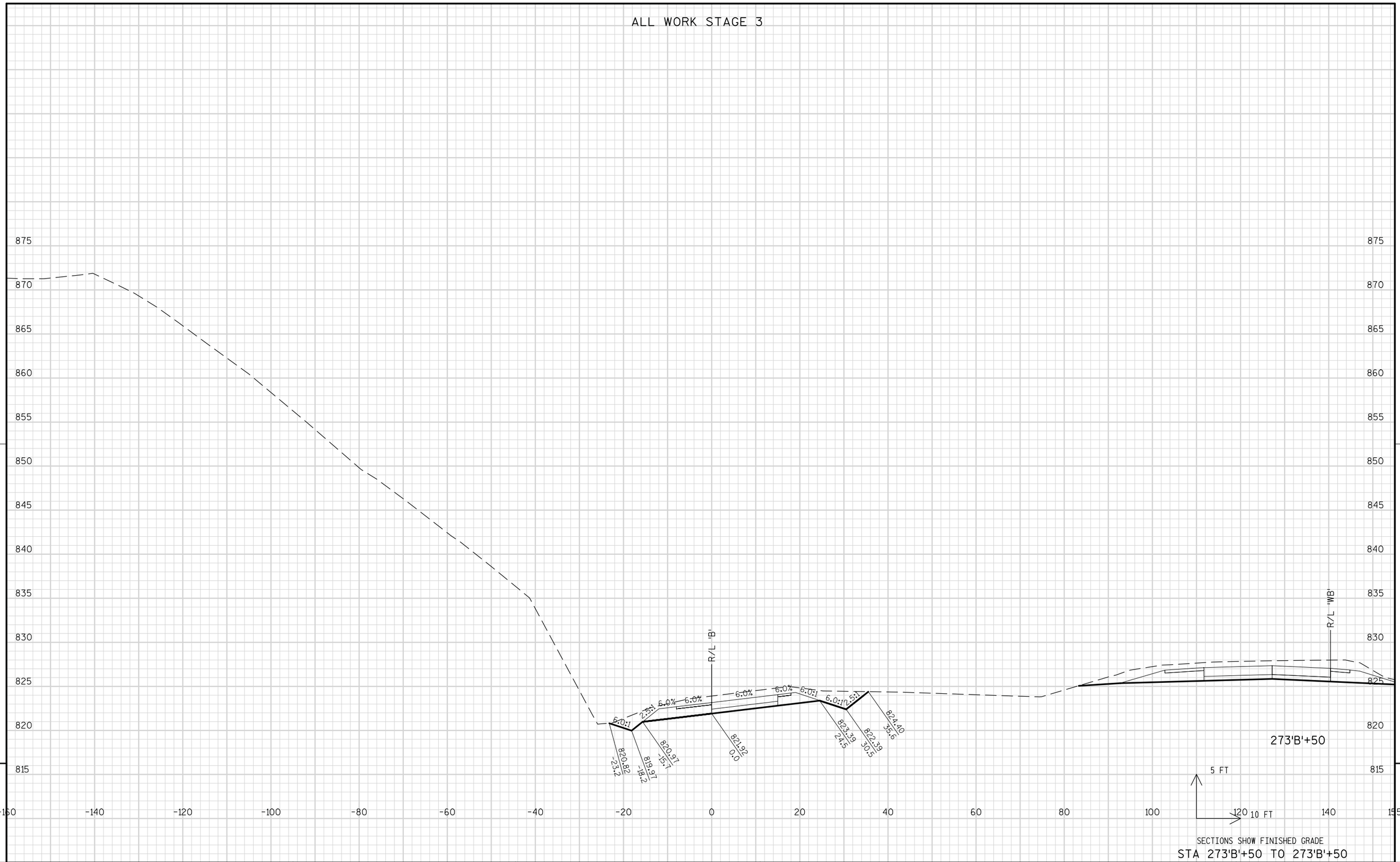


PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: RAMP 'B'	SHEET NO: 1167 E

FILE NAME : CH_0803_090204_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 3



SECTIONS SHOW FINISHED GRADE

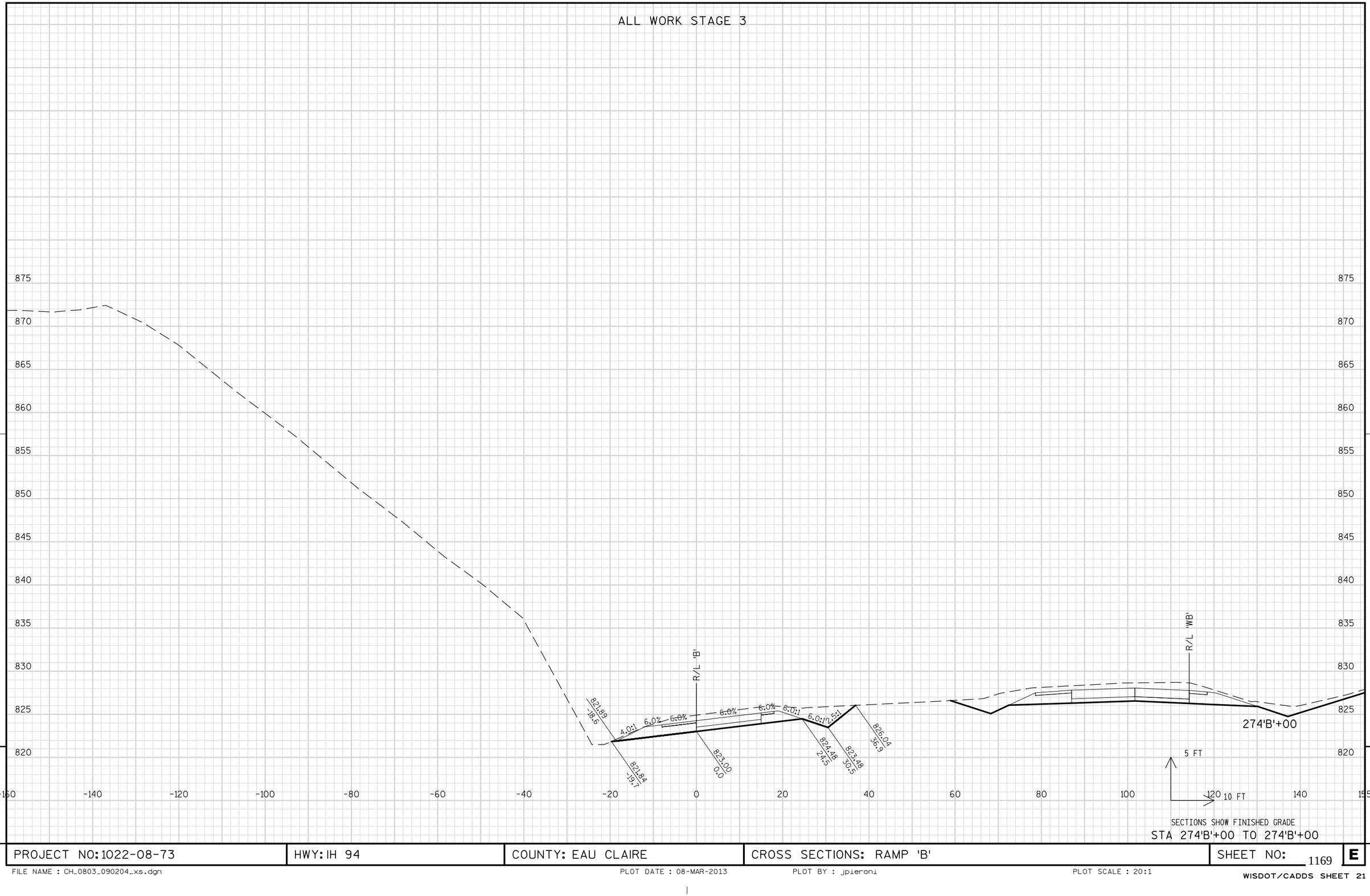
STA 273'B'+50 TO 273'B'+50

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: RAMP 'B'	SHEET NO: 1168	E

FILE NAME : CH_0803_090204_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 3



SECTIONS SHOW FINISHED GRADE

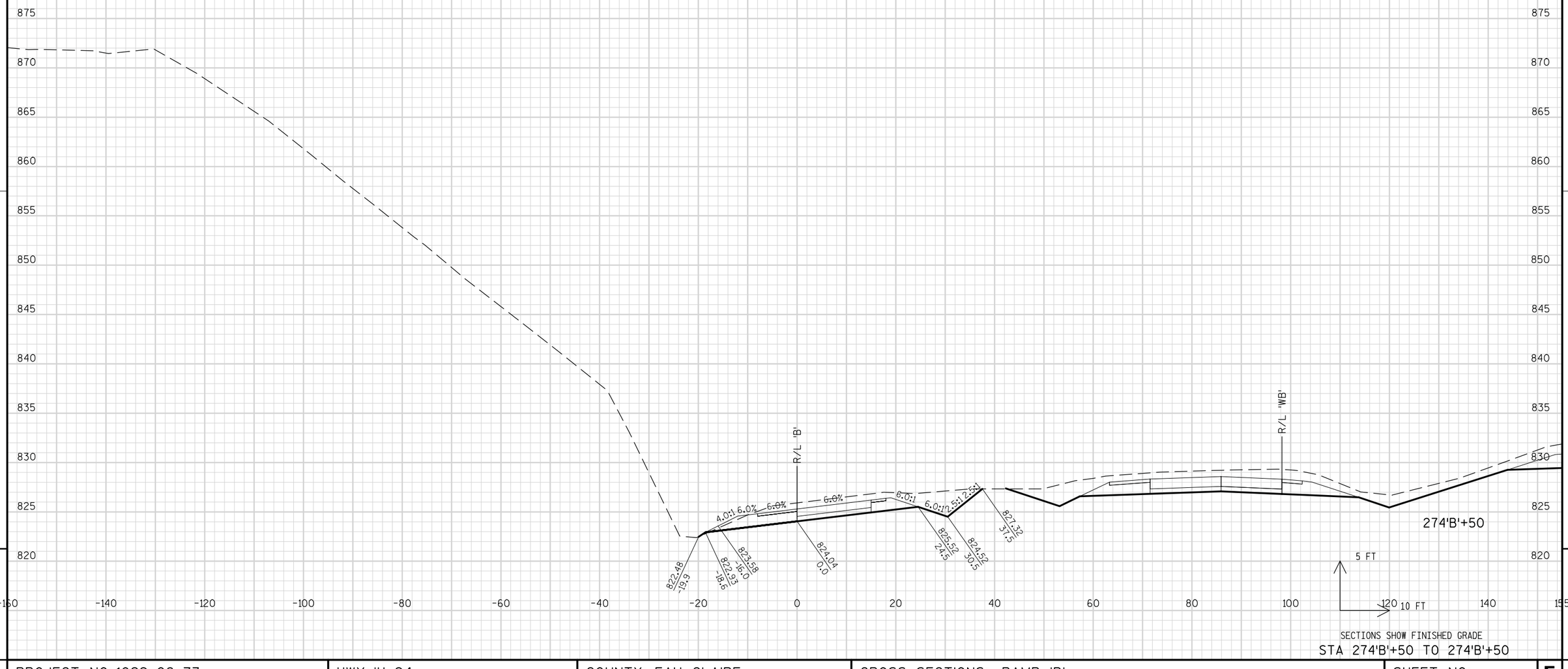
STA 274'B'+00 TO 274'B'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: RAMP 'B'	SHEET NO: 1169 E

FILE NAME : CH_0803_090204_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 3



SECTIONS SHOW FINISHED GRADE

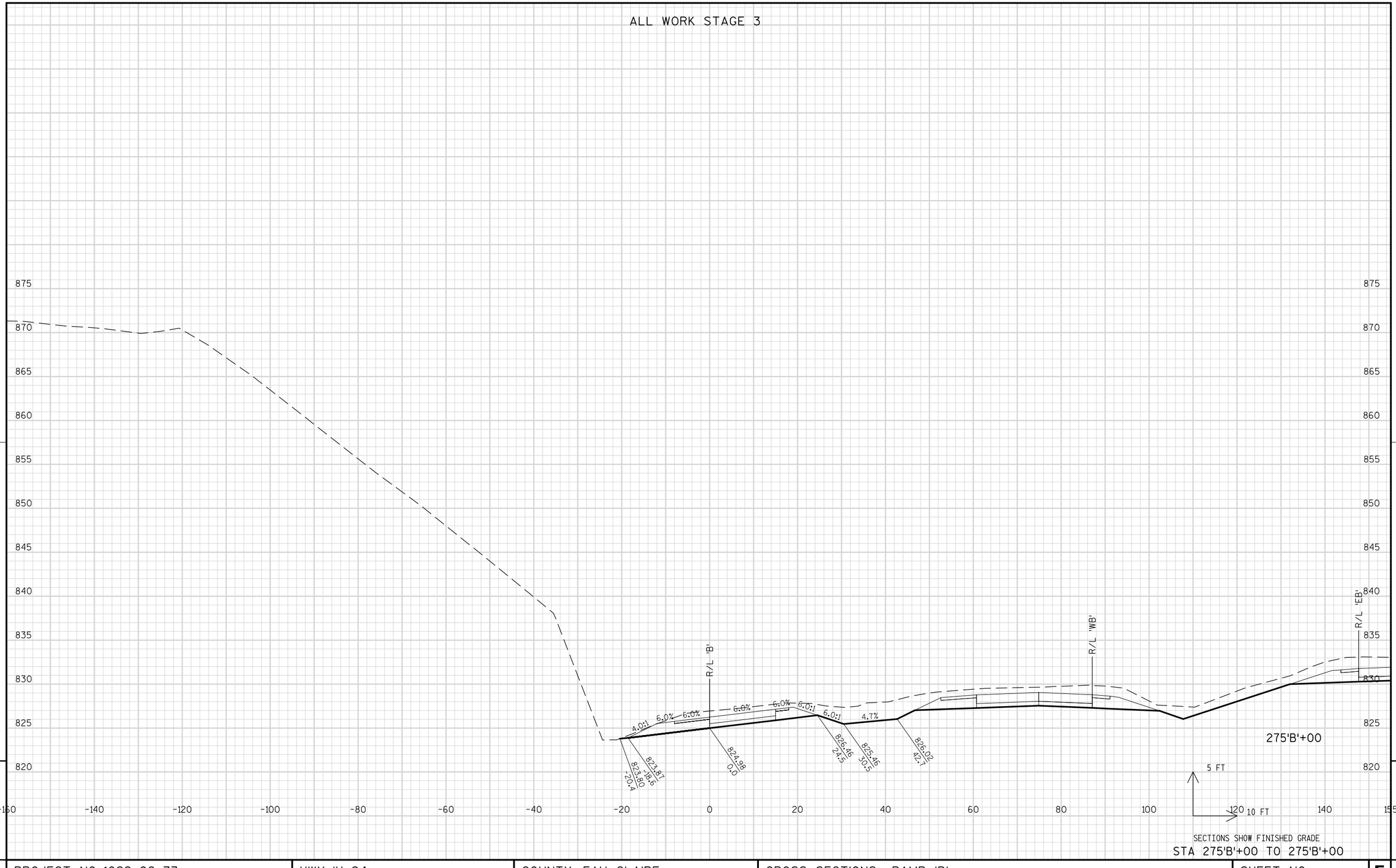
STA 274'B'+50 TO 274'B'+50

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: RAMP 'B'	SHEET NO: 1170	E

FILE NAME : CH_0803_090204_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 3



SECTIONS SHOW FINISHED GRADE

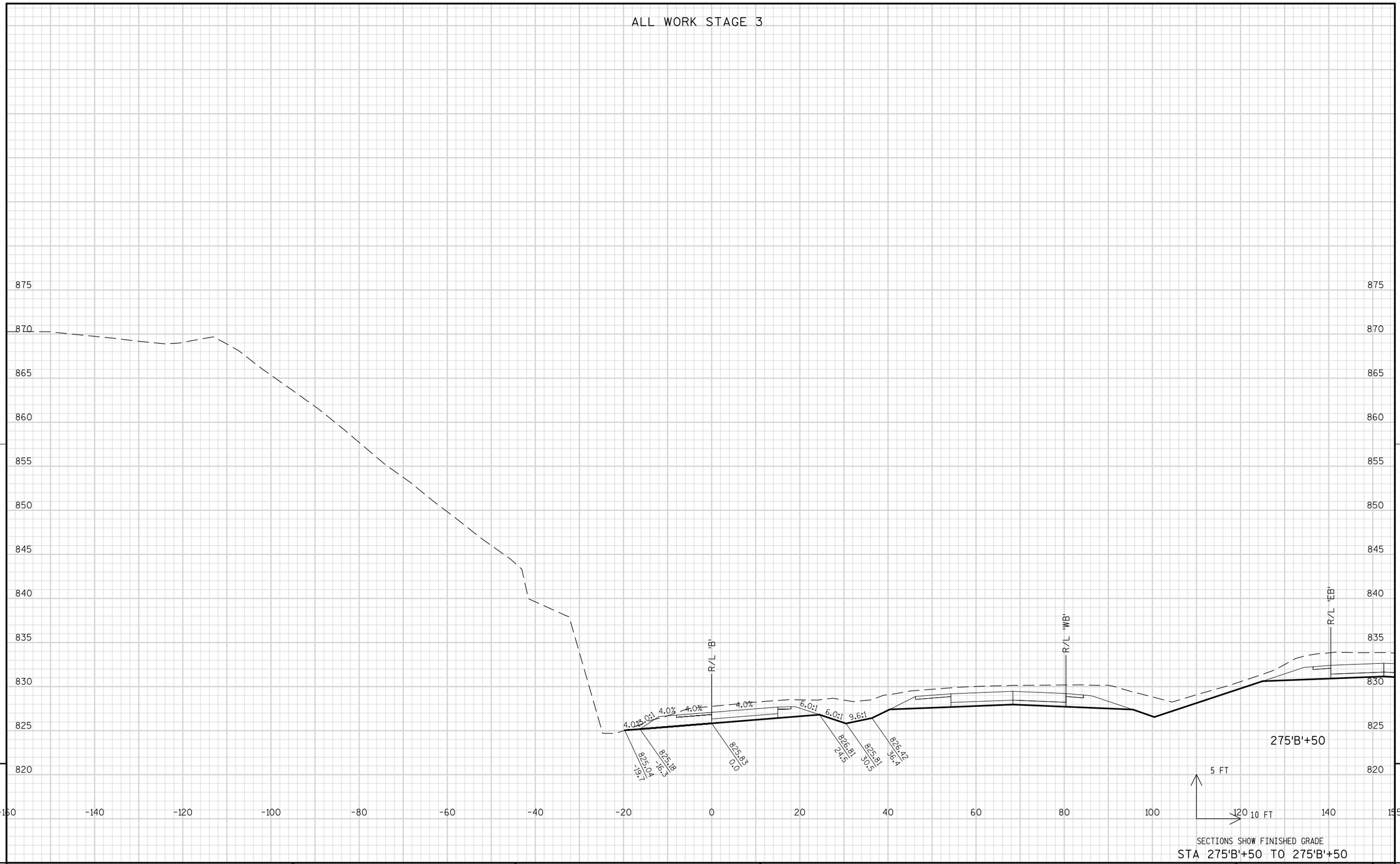
STA 275'B'+00 TO 275'B'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: RAMP 'B'	SHEET NO: 1171	E

FILE NAME : CH_0803_090204_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 3



SECTIONS SHOW FINISHED GRADE

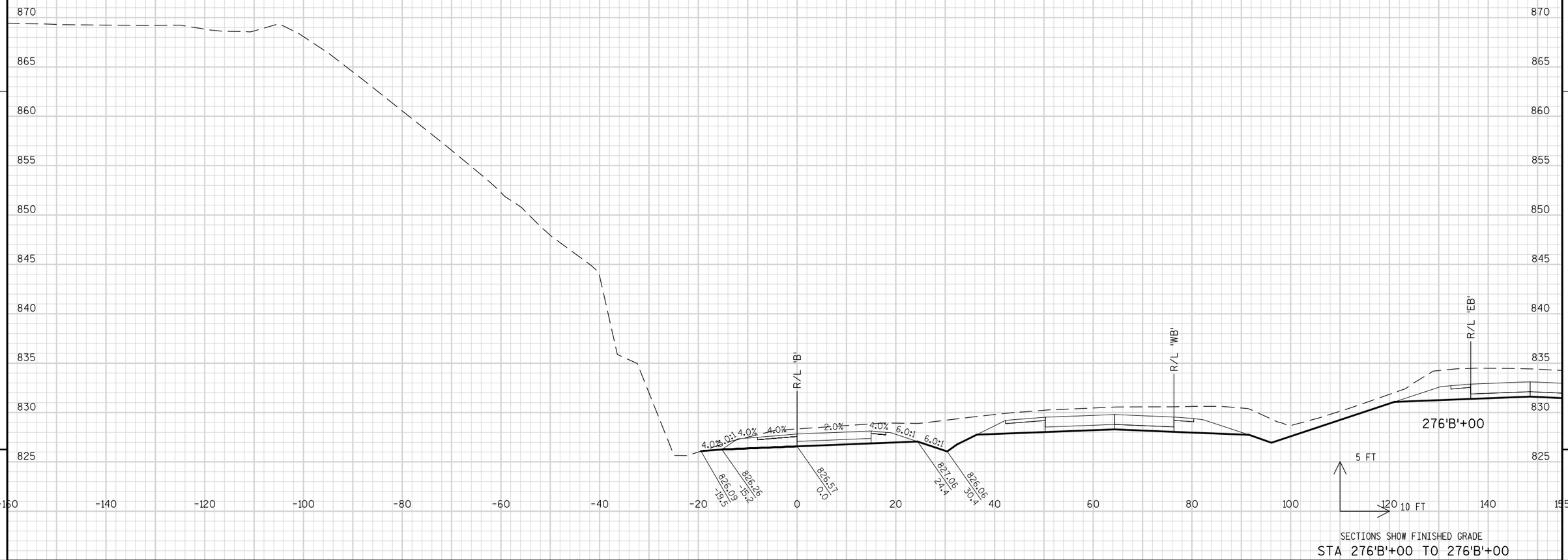
STA 275'B'+50 TO 275'B'+50

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: RAMP 'B'	SHEET NO: 1172 E

FILE NAME : CH_0803_090204_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 3



SECTIONS SHOW FINISHED GRADE

STA 276'B'+00 TO 276'B'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: RAMP 'B'	SHEET NO: 1173 E

FILE NAME : CH_0803_090204_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 3



SECTIONS SHOW FINISHED GRADE

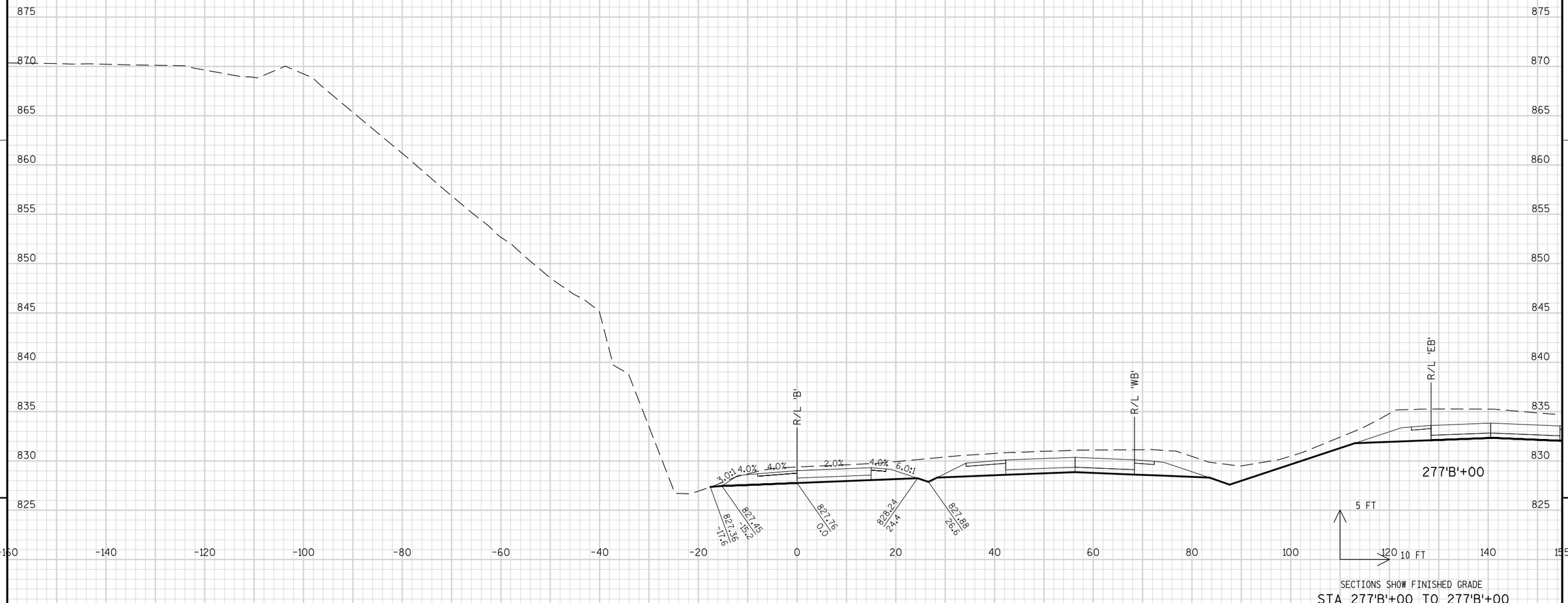
STA 276'B'+50 TO 276'B'+50

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: RAMP 'B'	SHEET NO: 1174	E

FILE NAME : CH_0803_090204_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 3

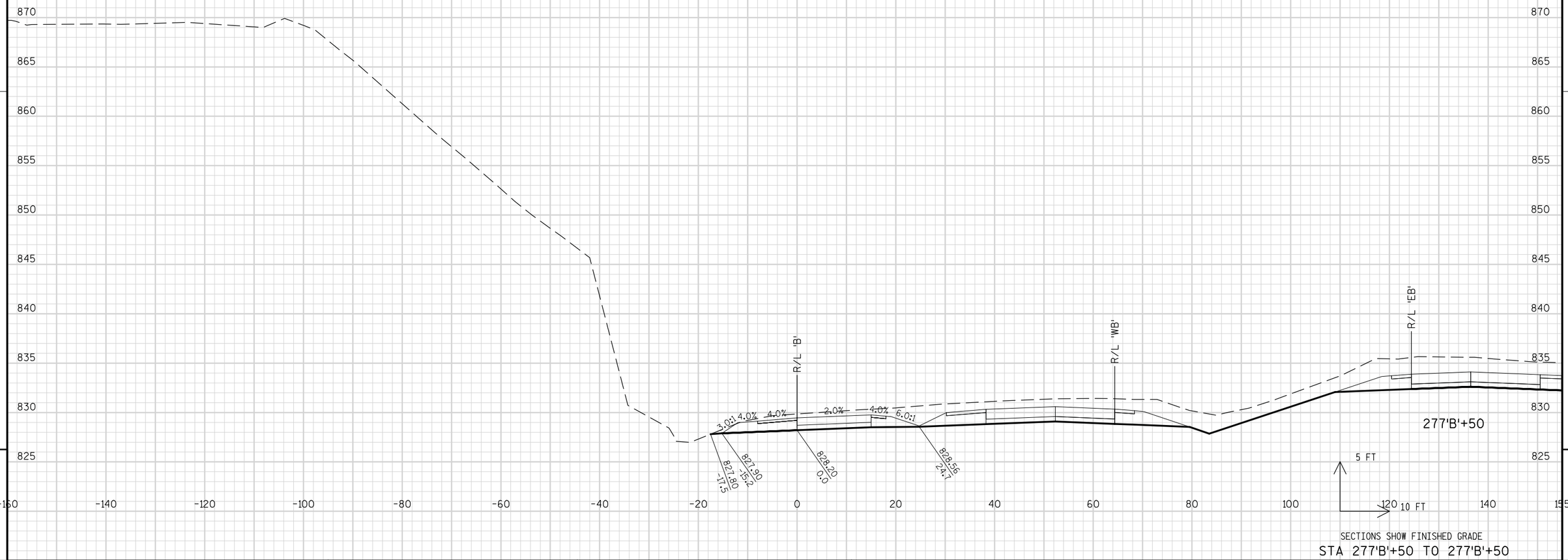


PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: RAMP 'B'	SHEET NO: 1175	E

FILE NAME : CH_0803_090204_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 3



SECTIONS SHOW FINISHED GRADE

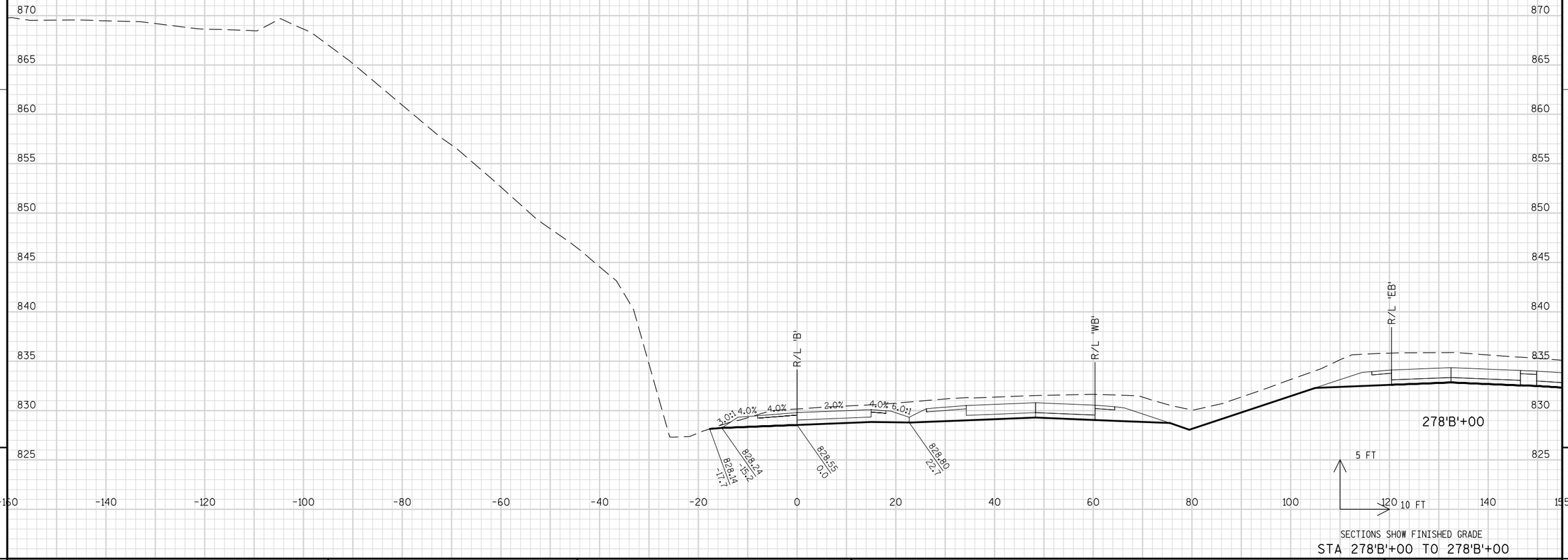
STA 277'B'+50 TO 277'B'+50

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: RAMP 'B'	SHEET NO: 1176	E

FILE NAME : CH_0803_090204_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 3

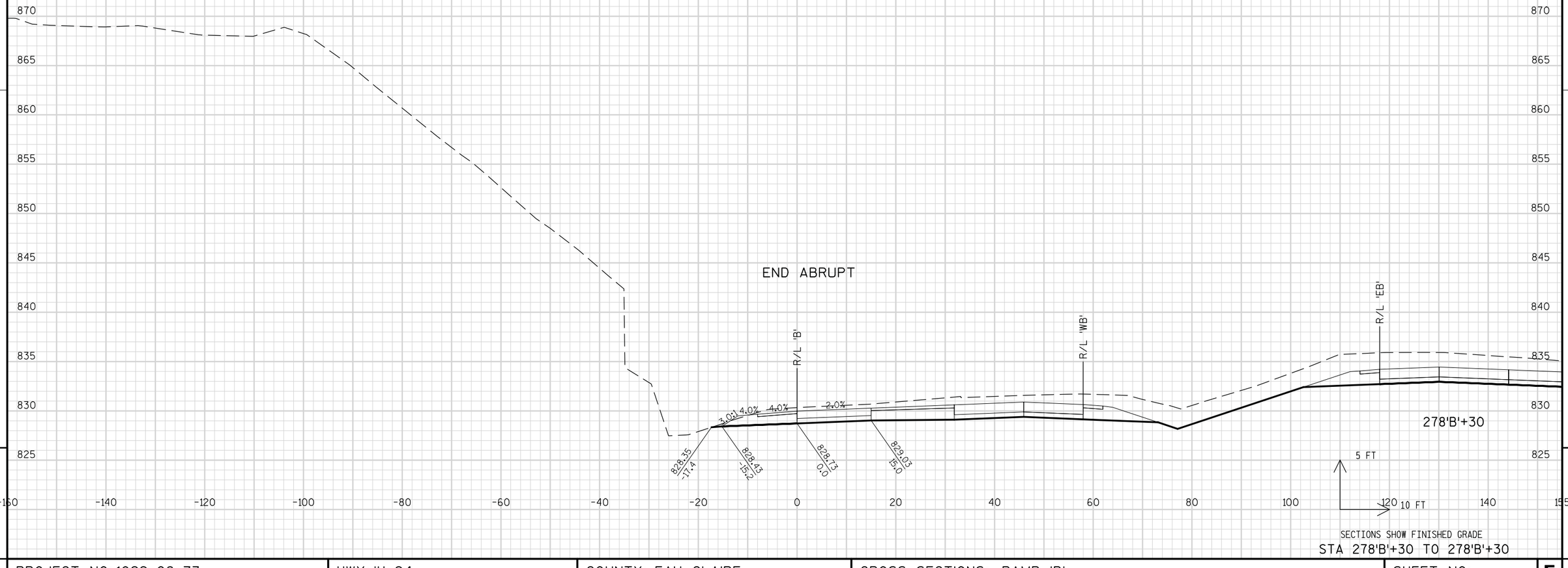


SECTIONS SHOW FINISHED GRADE

STA 278'B'+00 TO 278'B'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: RAMP 'B'	SHEET NO: 1177 E

ALL WORK STAGE 3



SECTIONS SHOW FINISHED GRADE

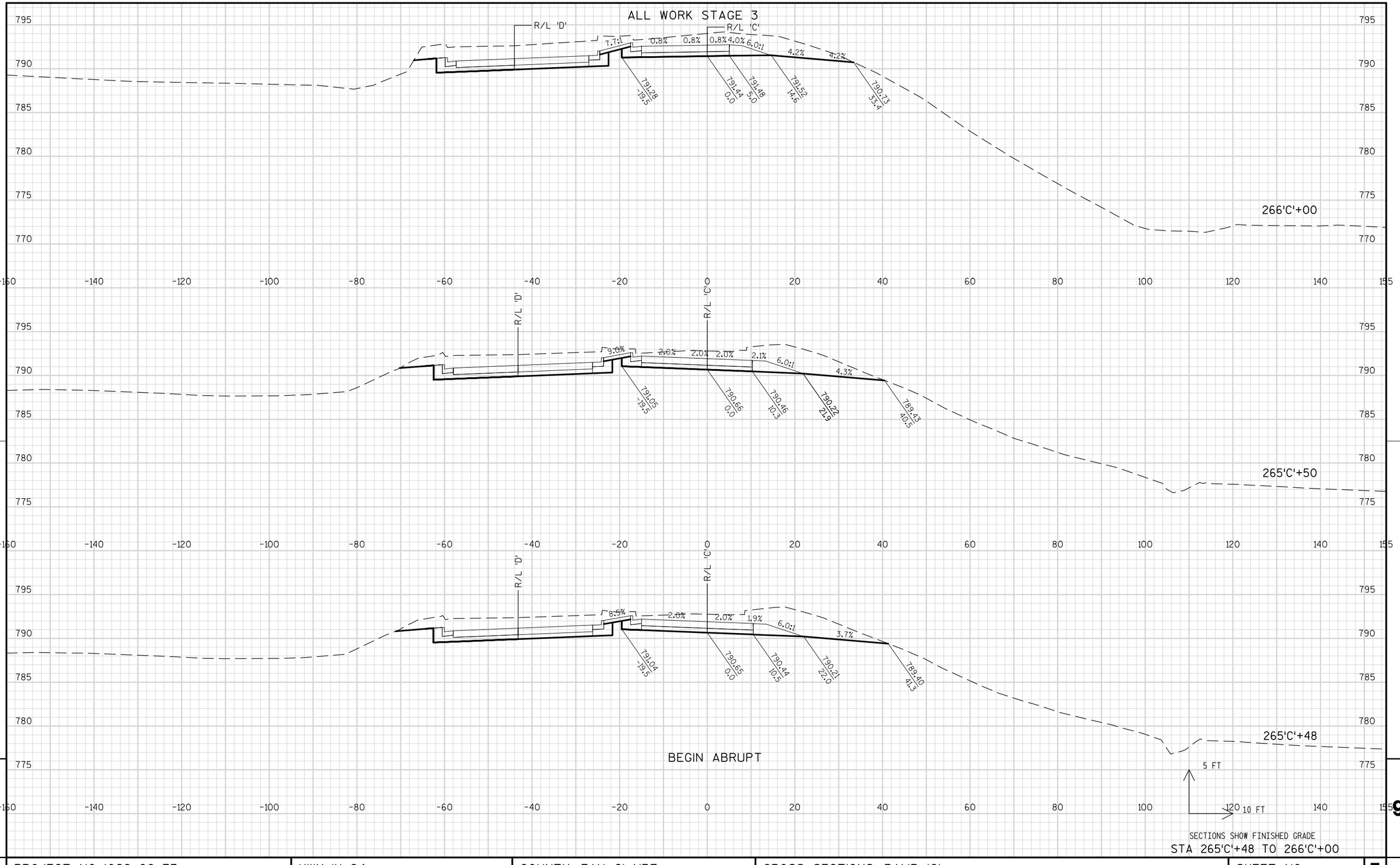
STA 278'B'+30 TO 278'B'+30

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: RAMP 'B'	SHEET NO: 1178	E

FILE NAME : CH_0803_090204_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 3



BEGIN ABRUPT

5 FT

10 FT

SECTIONS SHOW FINISHED GRADE

STA 265'C'+48 TO 266'C'+00

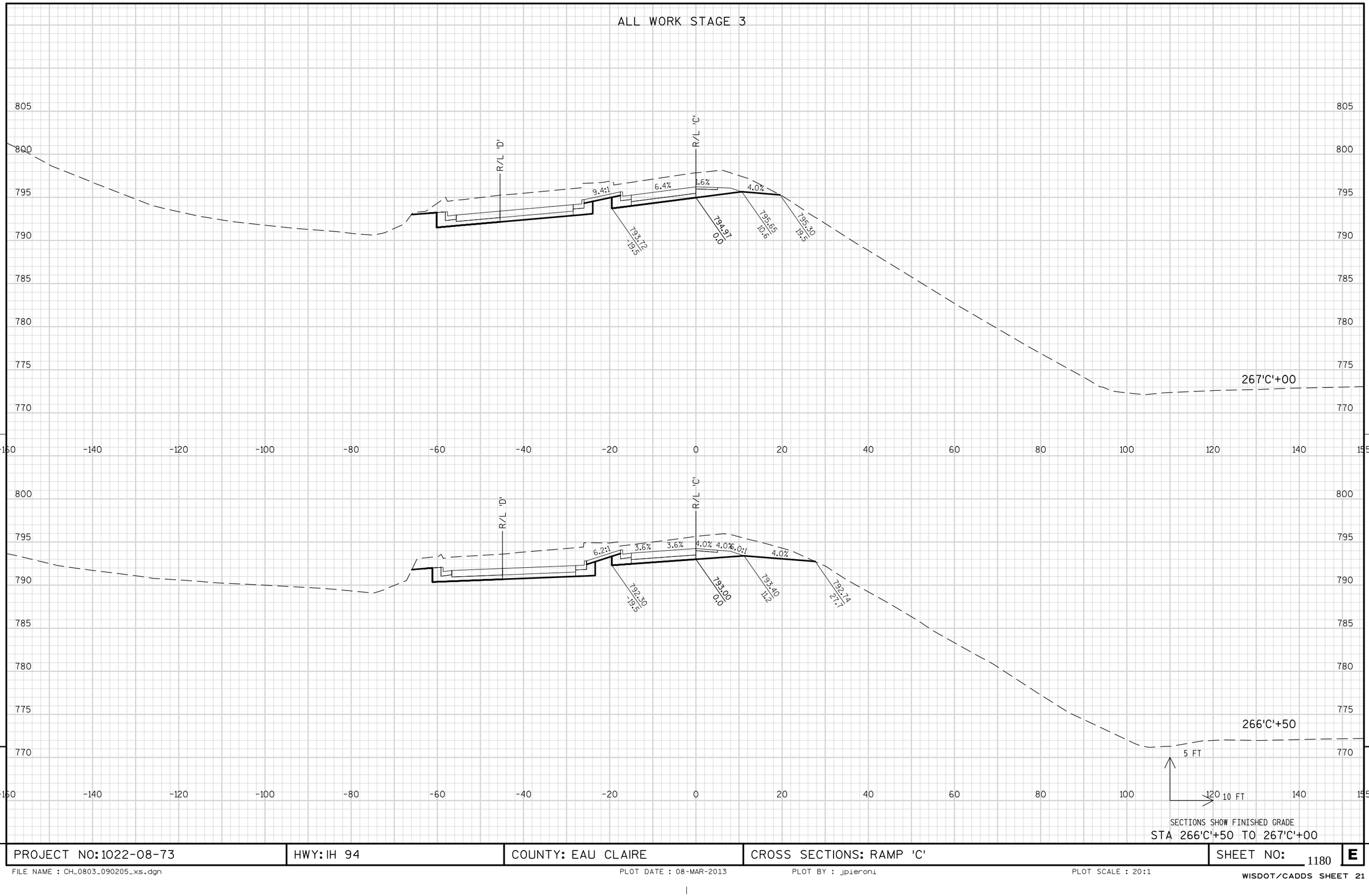
PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: RAMP 'C'	SHEET NO: 1179	E

FILE NAME : CH_0803_090205_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

9 9

ALL WORK STAGE 3



SECTIONS SHOW FINISHED GRADE

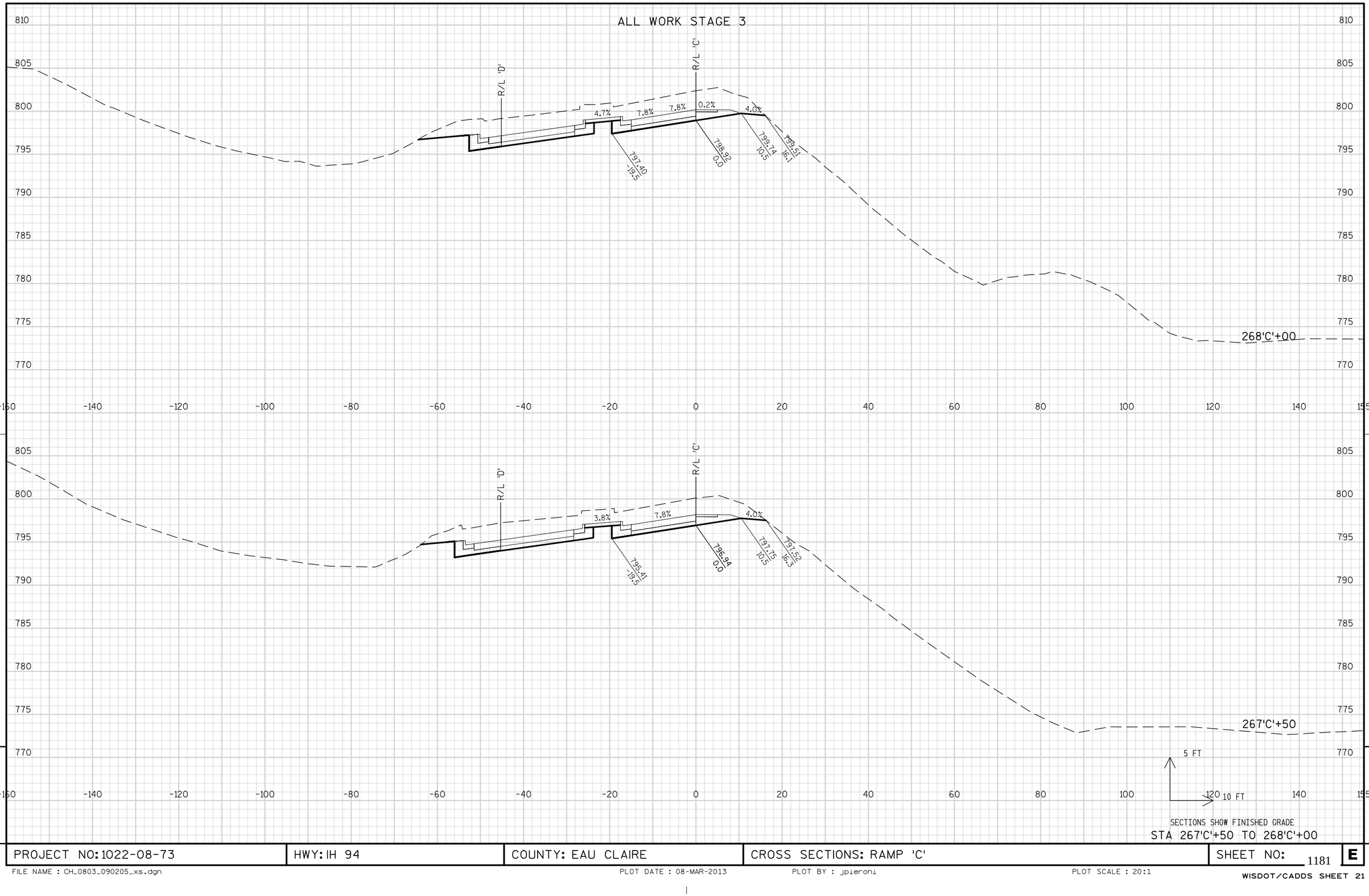
STA 266'C'+50 TO 267'C'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: RAMP 'C'	SHEET NO: 1180 E

FILE NAME : CH_0803_090205_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 3



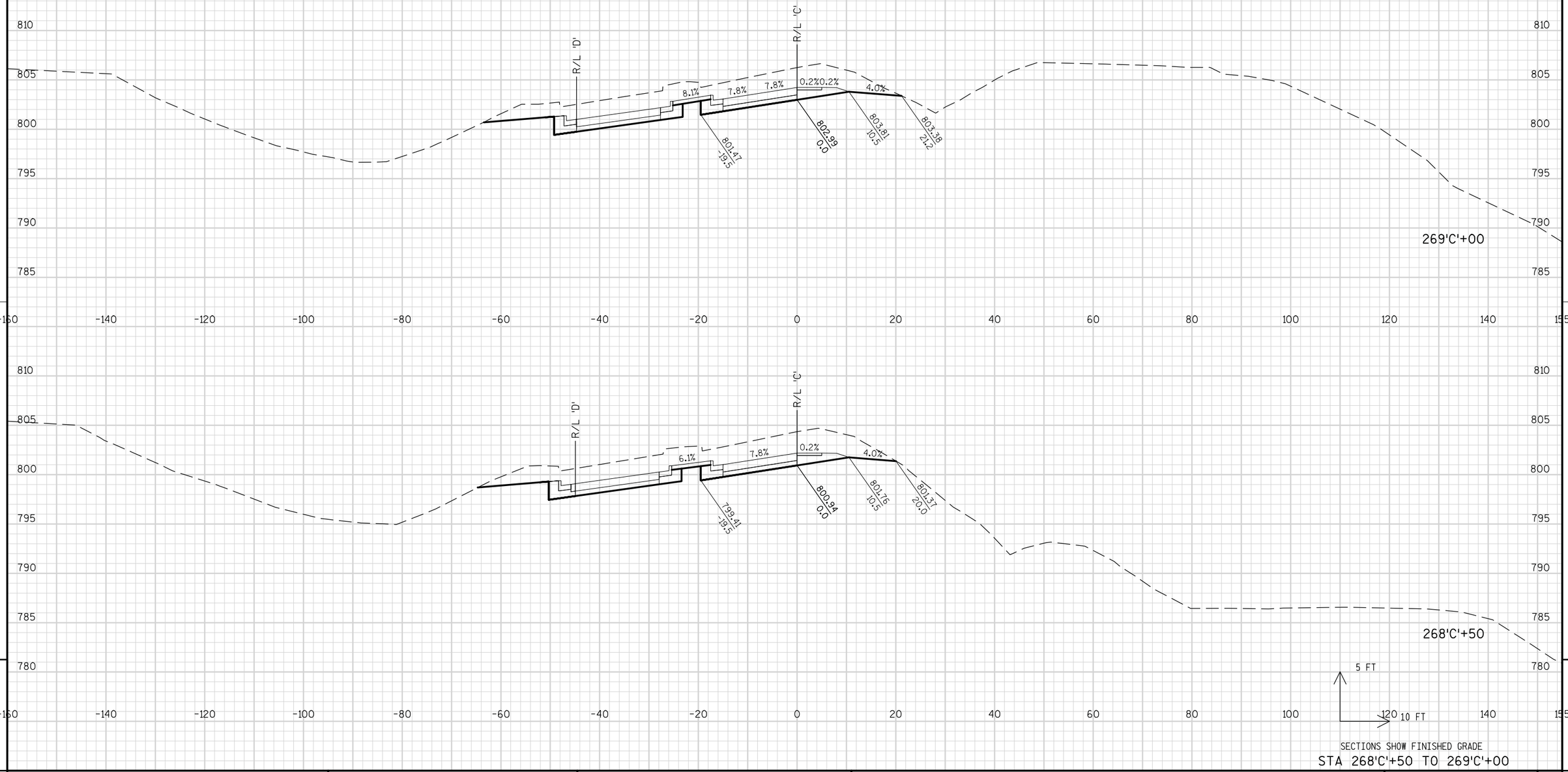
SECTIONS SHOW FINISHED GRADE

STA 267'C'+50 TO 268'C'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: RAMP 'C'	SHEET NO: 1181 E

FILE NAME : CH_0803_090205_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

ALL WORK STAGE 3



SECTIONS SHOW FINISHED GRADE

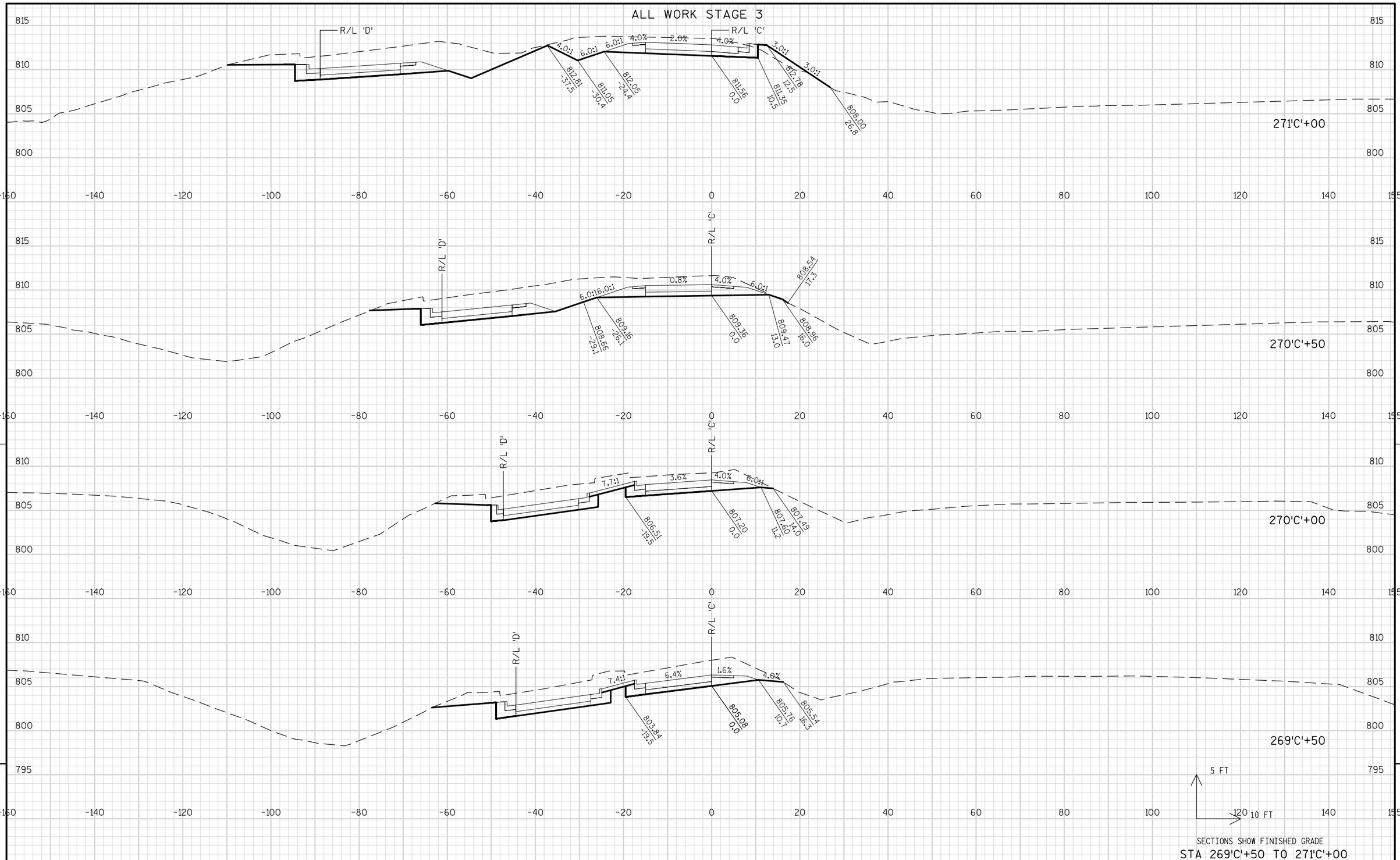
STA 268'C'+50 TO 269'C'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: RAMP 'C'	SHEET NO: 1182 E

FILE NAME : CH_0803_090205_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 3



SECTIONS SHOW FINISHED GRADE

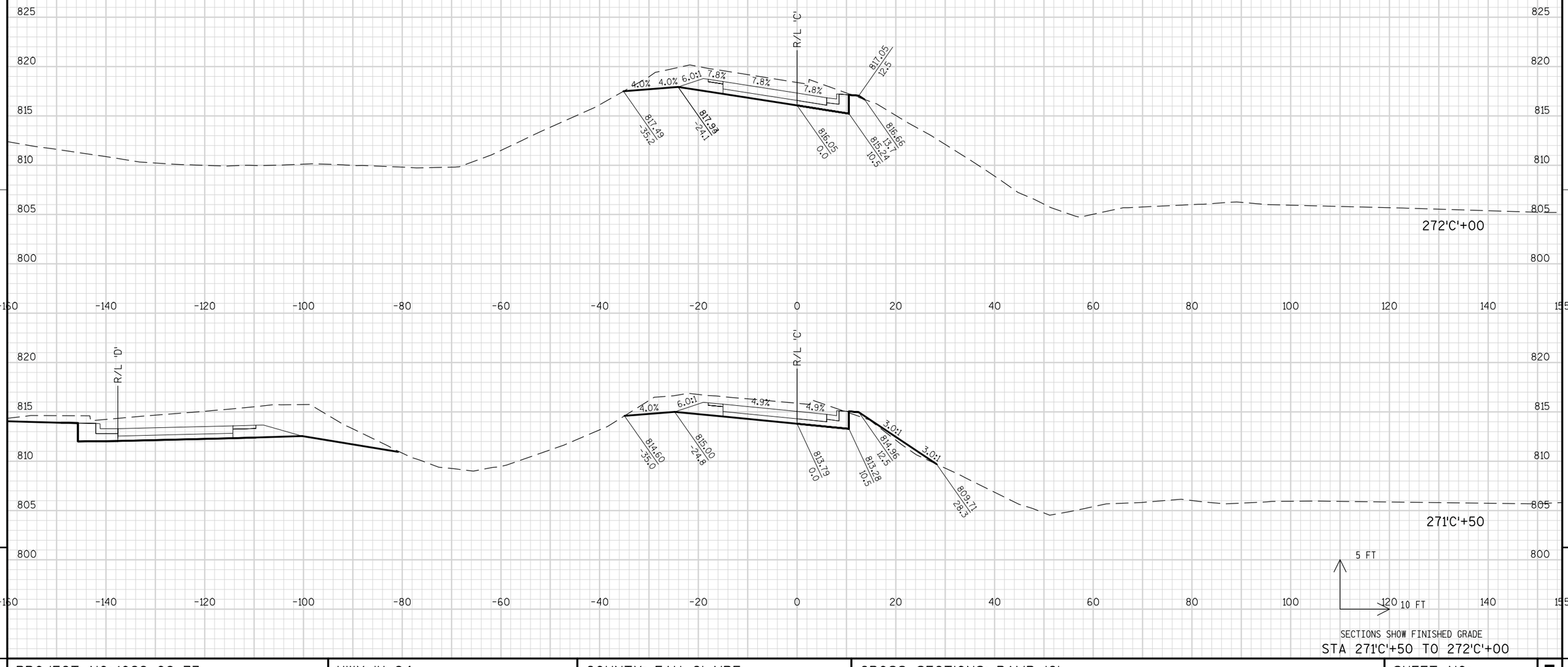
STA 269'C'+50 TO 271'C'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: RAMP 'C'	SHEET NO: 1183 E

FILE NAME : CH_0803_090205_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 3



SECTIONS SHOW FINISHED GRADE

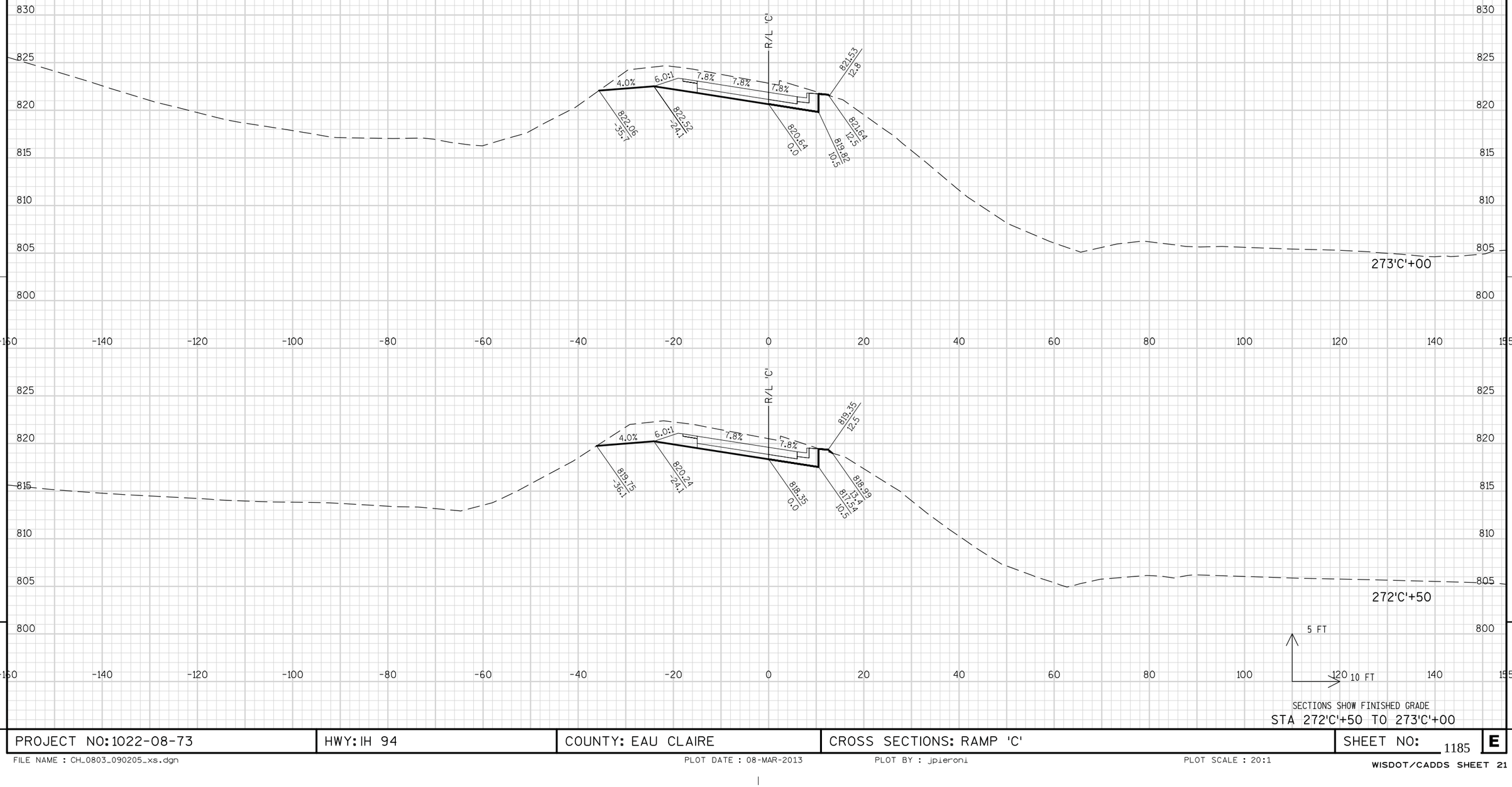
STA 271'C'+50 TO 272'C'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: RAMP 'C'	SHEET NO: 1184	E

FILE NAME : CH_0803_090205_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 3

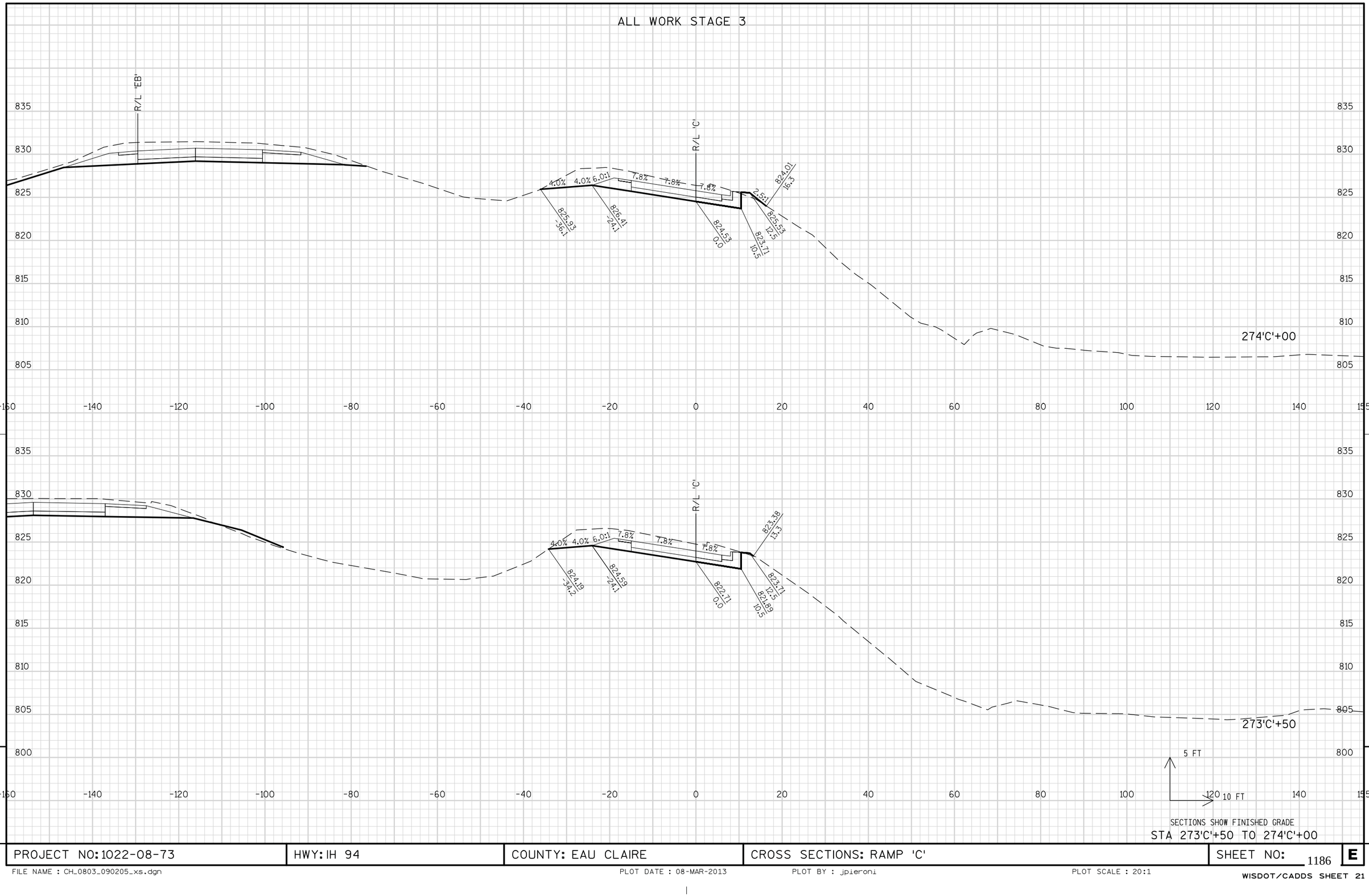


PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: RAMP 'C'	SHEET NO: 1185 E

FILE NAME : CH_0803_090205_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 3



SECTIONS SHOW FINISHED GRADE

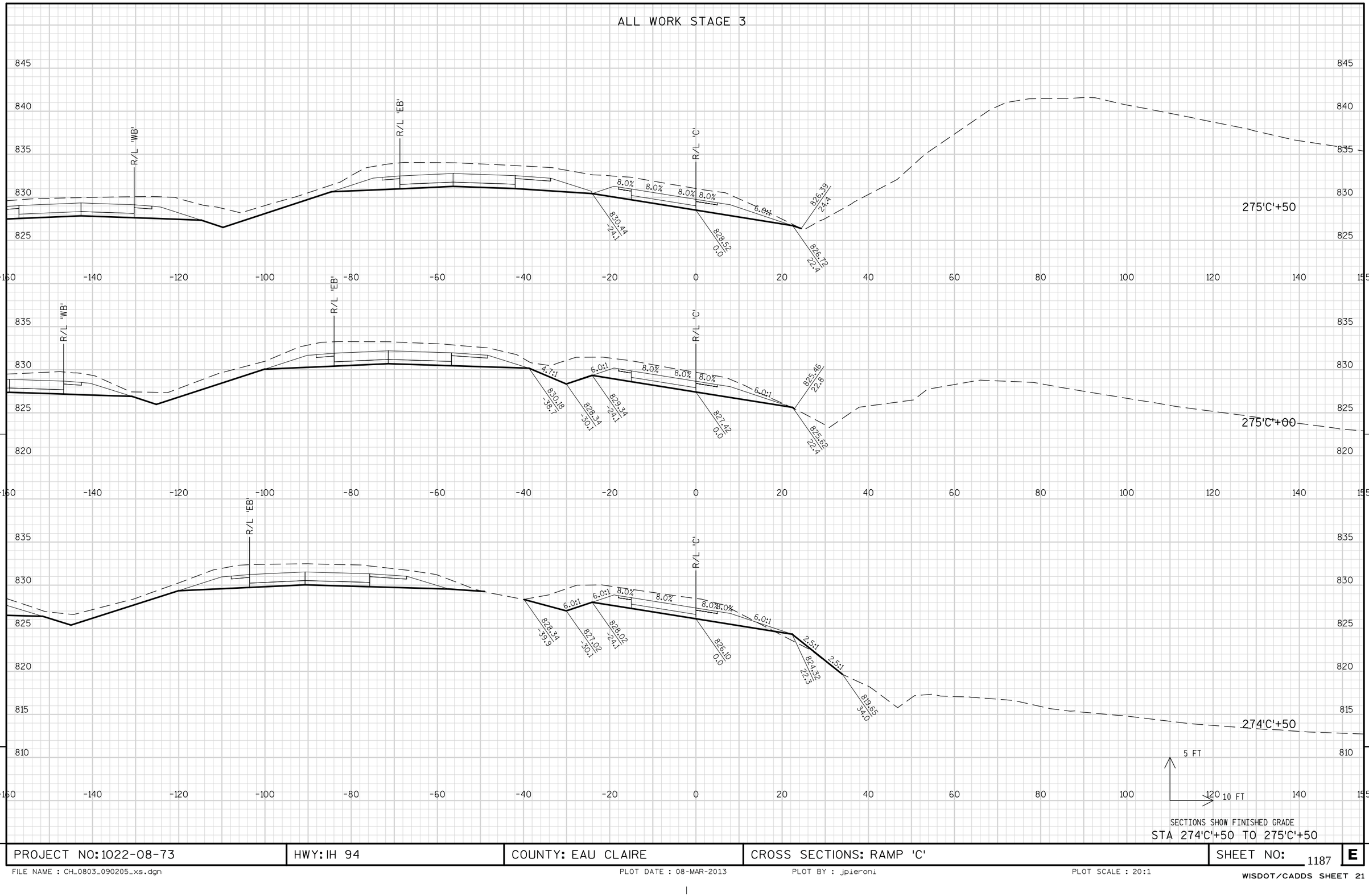
STA 273'C'+50 TO 274'C'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: RAMP 'C'	SHEET NO: 1186 E

FILE NAME : CH_0803_090205_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 3

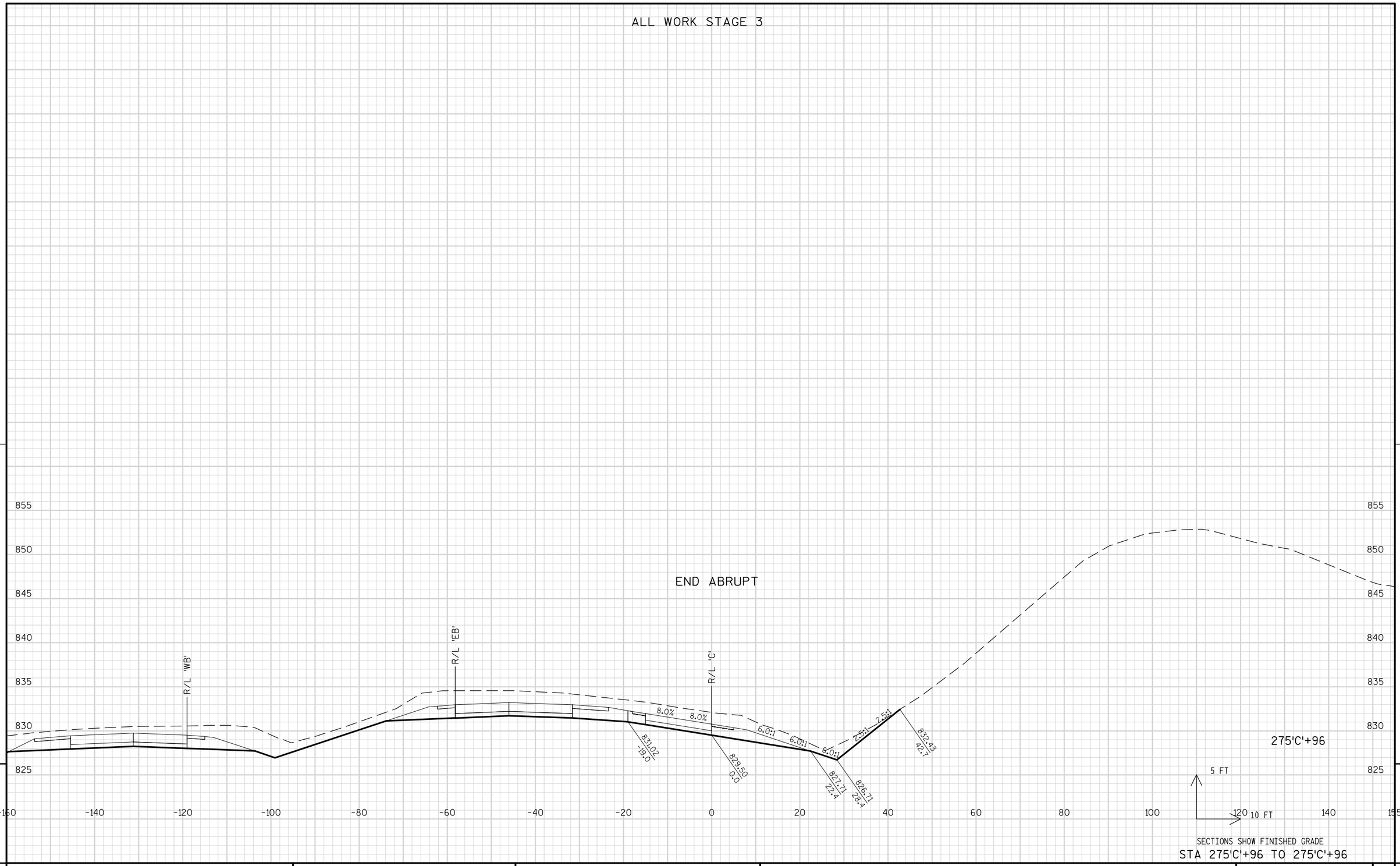


PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: RAMP 'C'	SHEET NO: 1187 E

FILE NAME : CH_0803_090205_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 3

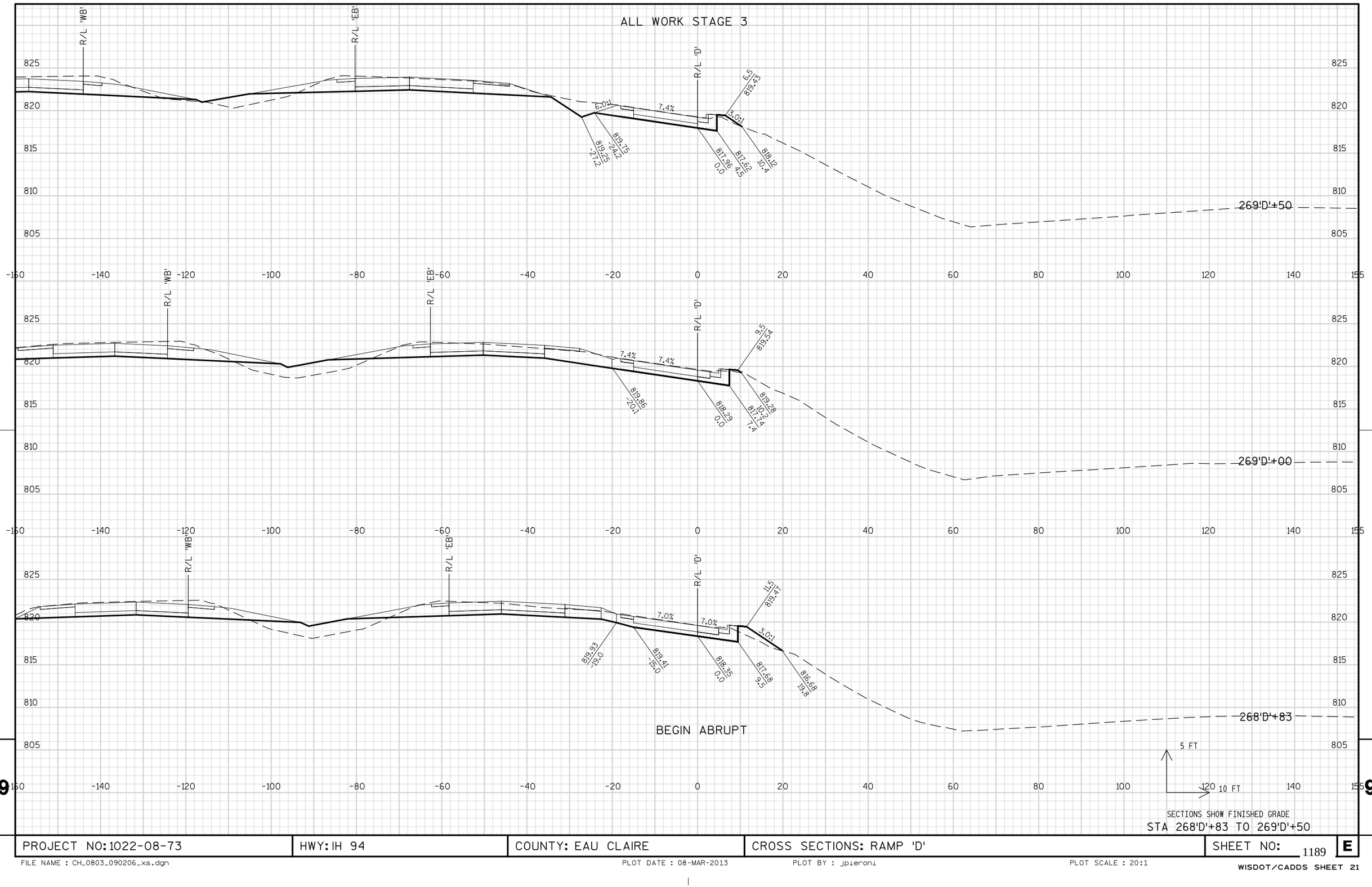


PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: RAMP 'C'	SHEET NO: 1188 E

FILE NAME : CH_0803_090205_xs.dgn | PLOT DATE : 08-MAR-2013 | PLOT BY : jpieroni | PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 3

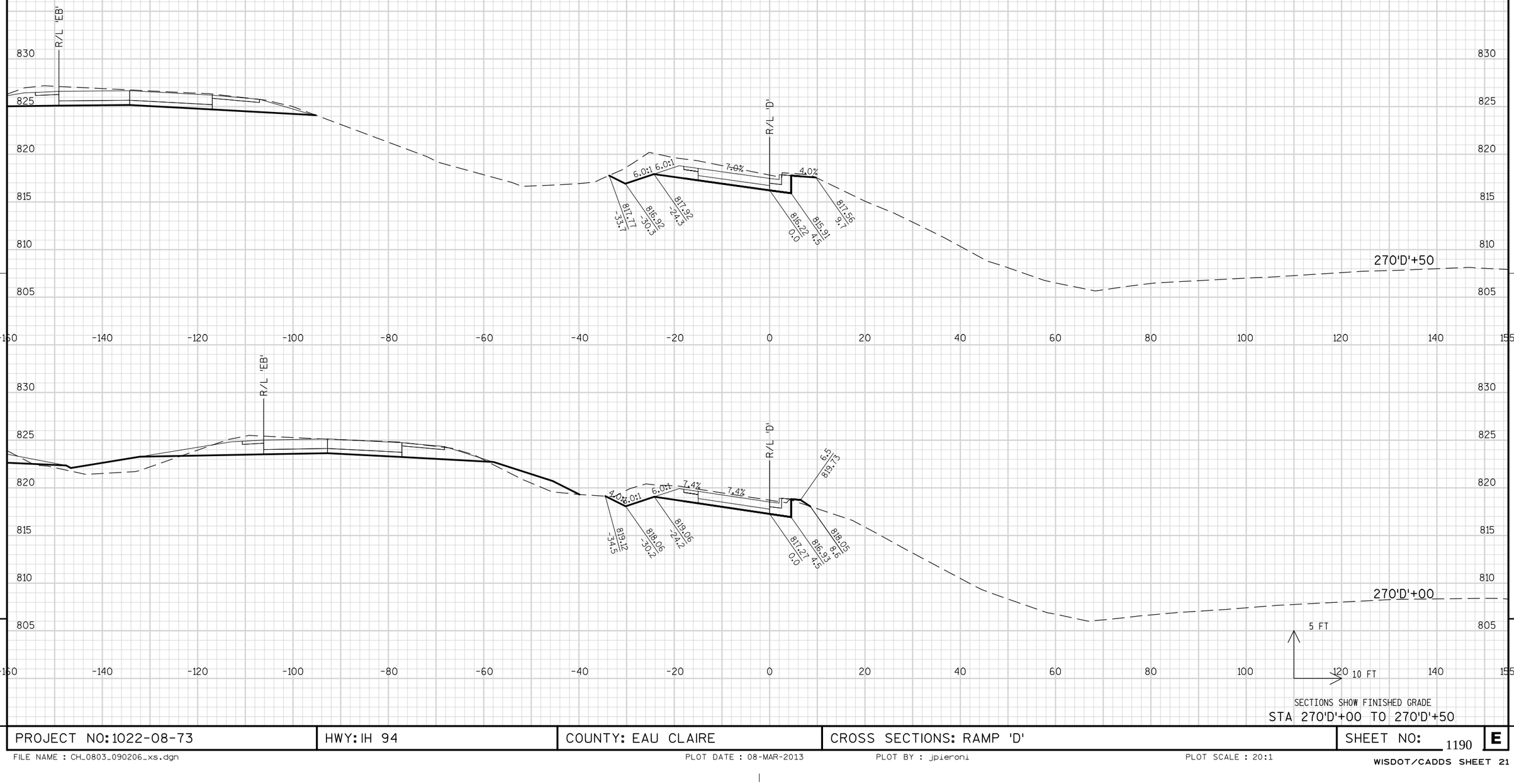


PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: RAMP 'D'	SHEET NO: 1189 E

FILE NAME : CH_0803_090206_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 3



SECTIONS SHOW FINISHED GRADE

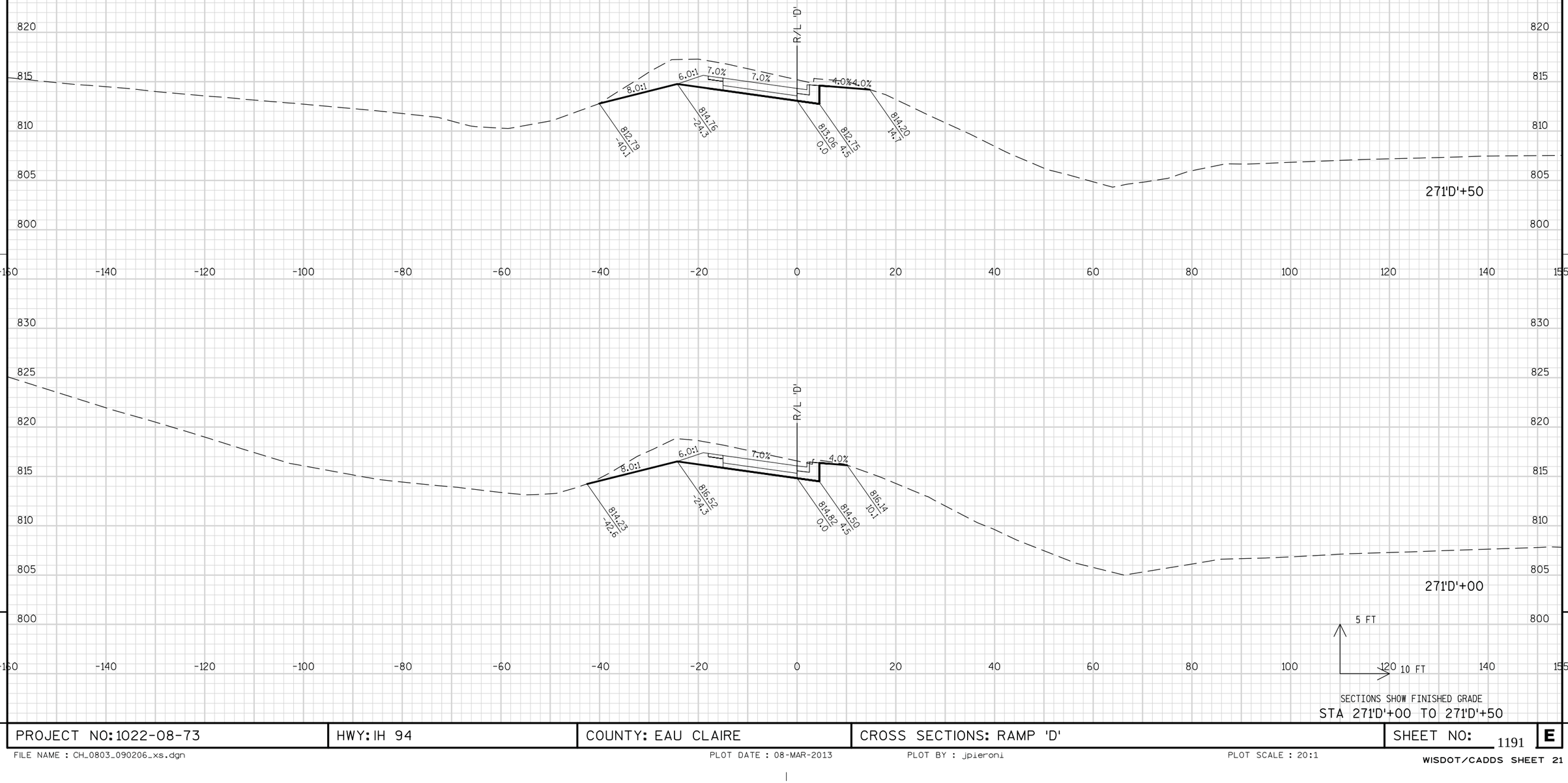
STA 270'D'+00 TO 270'D'+50

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: RAMP 'D'	SHEET NO: 1190 E

FILE NAME : CH_0803_090206_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 3



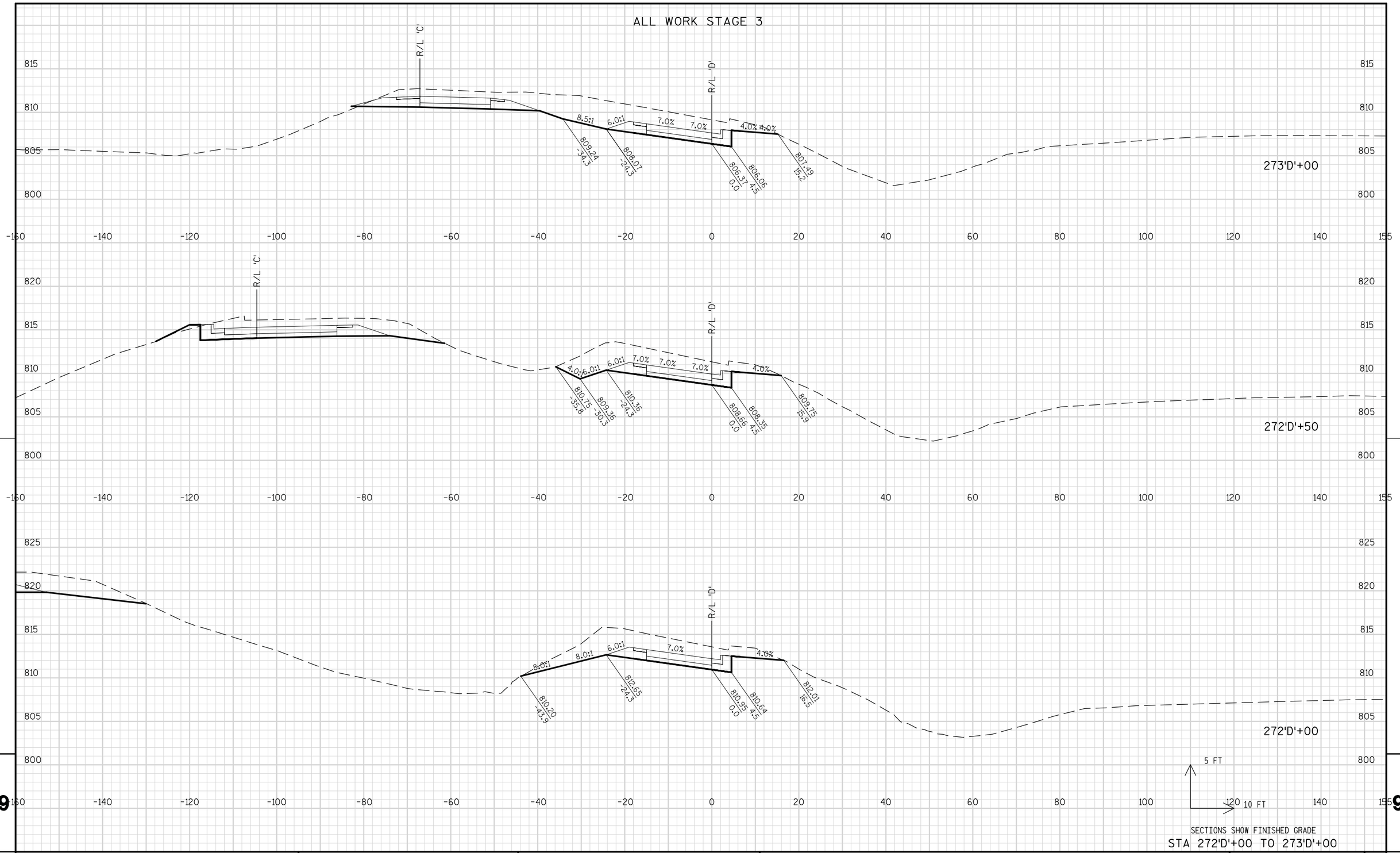
SECTIONS SHOW FINISHED GRADE
STA 271'D'+00 TO 271'D'+50

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: RAMP 'D'	SHEET NO: 1191 E

FILE NAME : CH_0803_090206_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 3



SECTIONS SHOW FINISHED GRADE

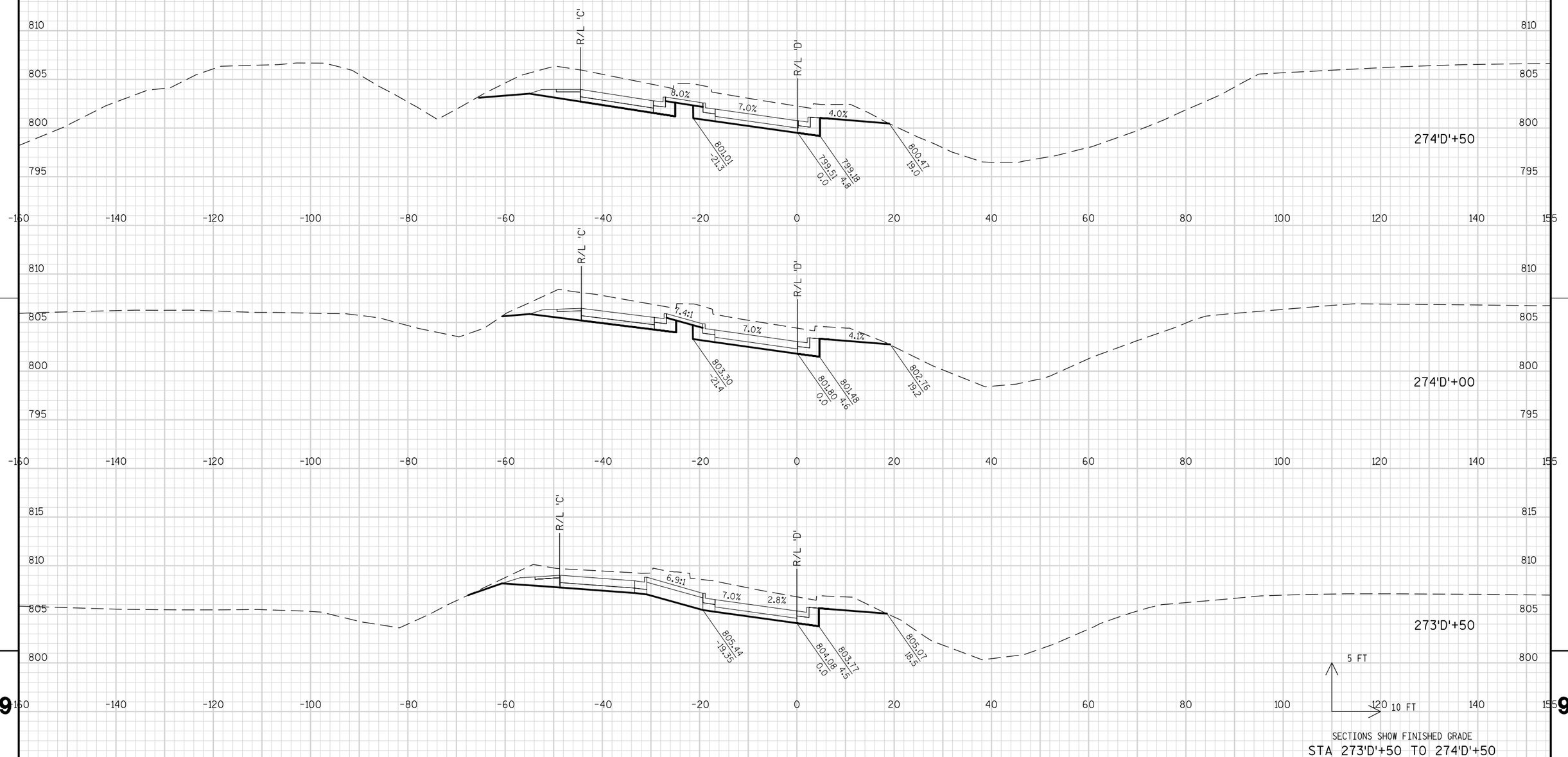
STA 272'D'+00 TO 273'D'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: RAMP 'D'	SHEET NO: 1192 E

FILE NAME : CH_0803_090206_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 3



SECTIONS SHOW FINISHED GRADE

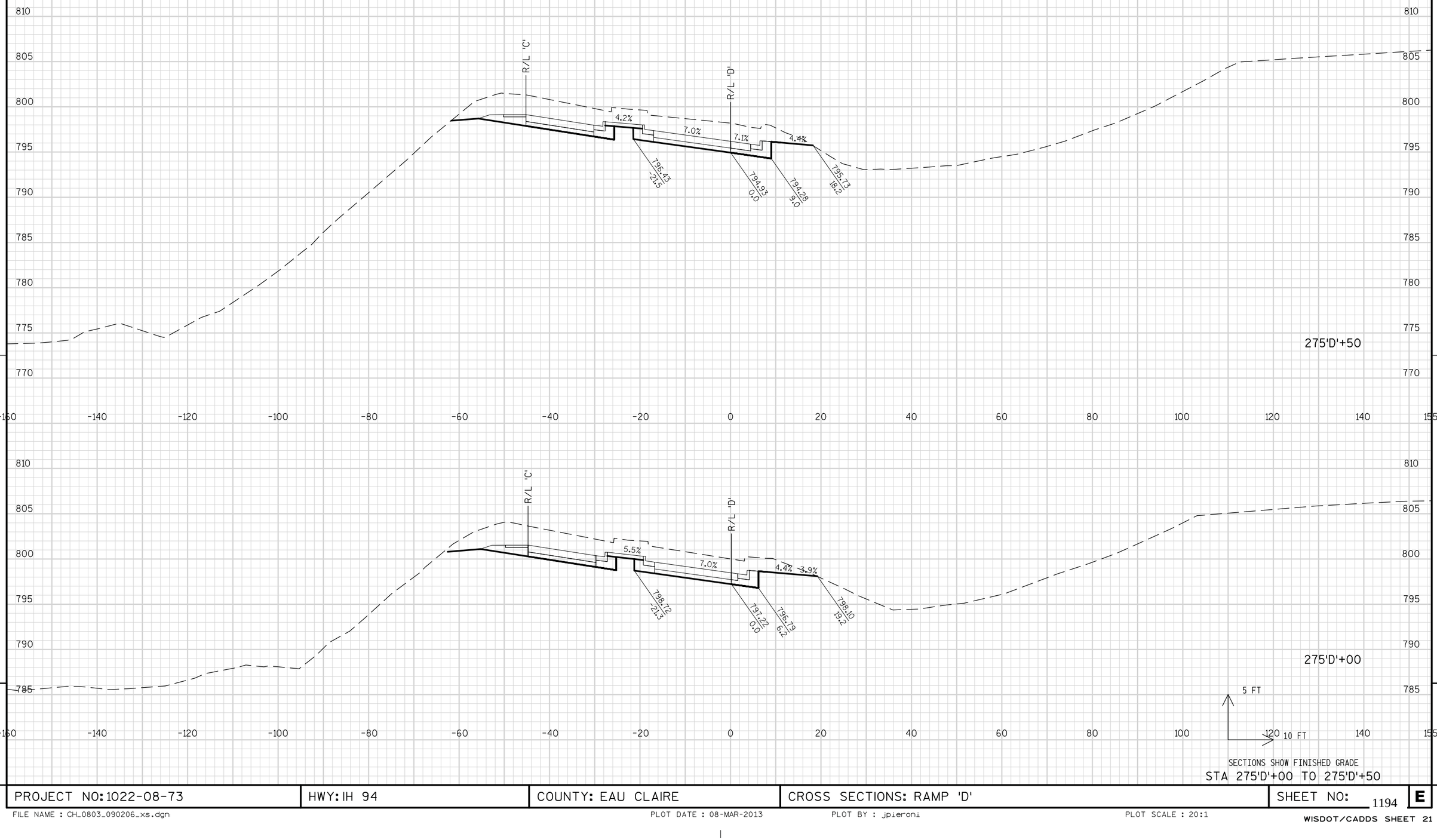
STA 273'D'+50 TO 274'D'+50

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: RAMP 'D'	SHEET NO: 1193	E

FILE NAME : CH_0803_090206_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 3



SECTIONS SHOW FINISHED GRADE

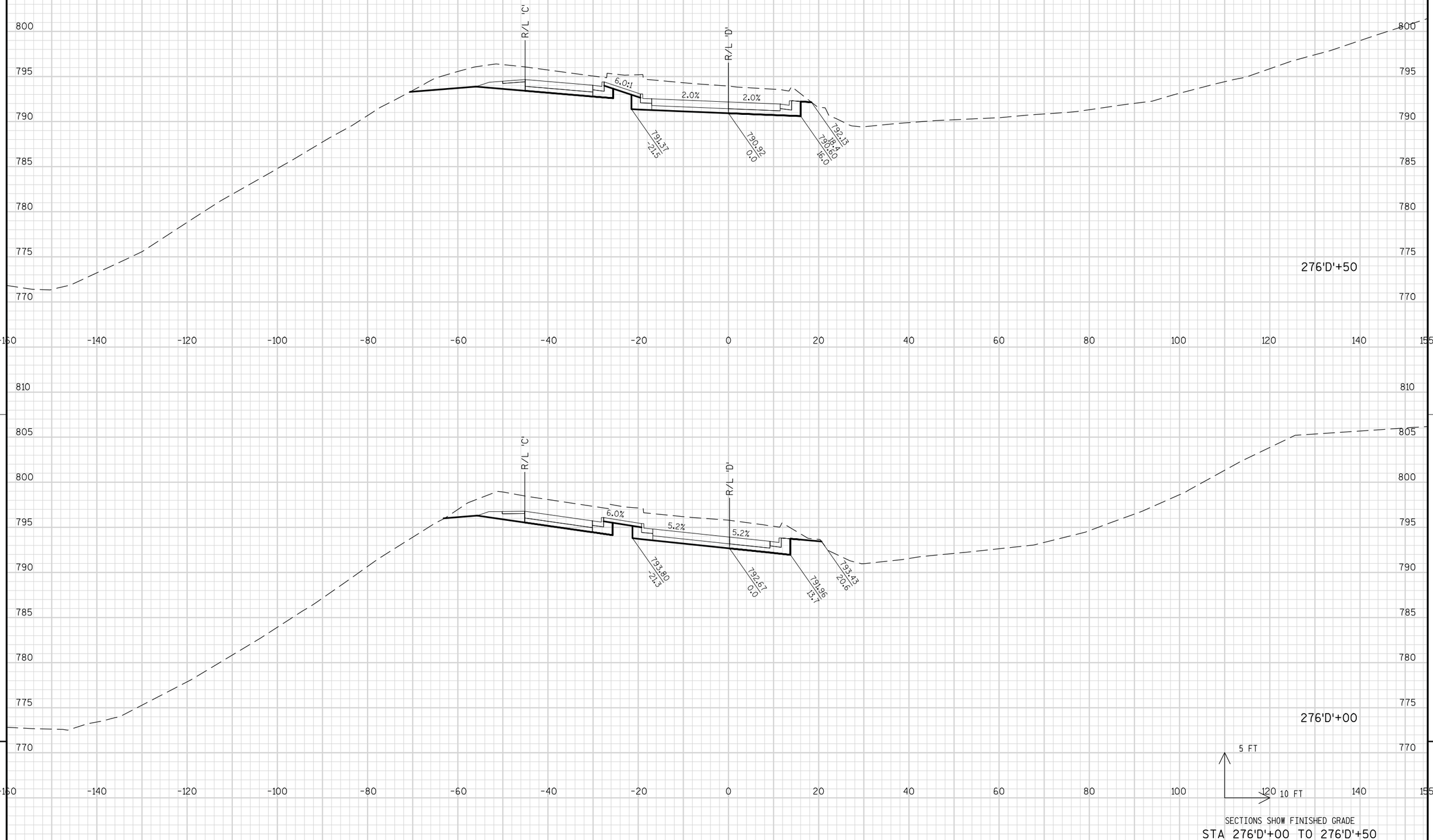
STA 275'D'+00 TO 275'D'+50

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: RAMP 'D'	SHEET NO: 1194 E

FILE NAME : CH_0803_090206_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 3



SECTIONS SHOW FINISHED GRADE

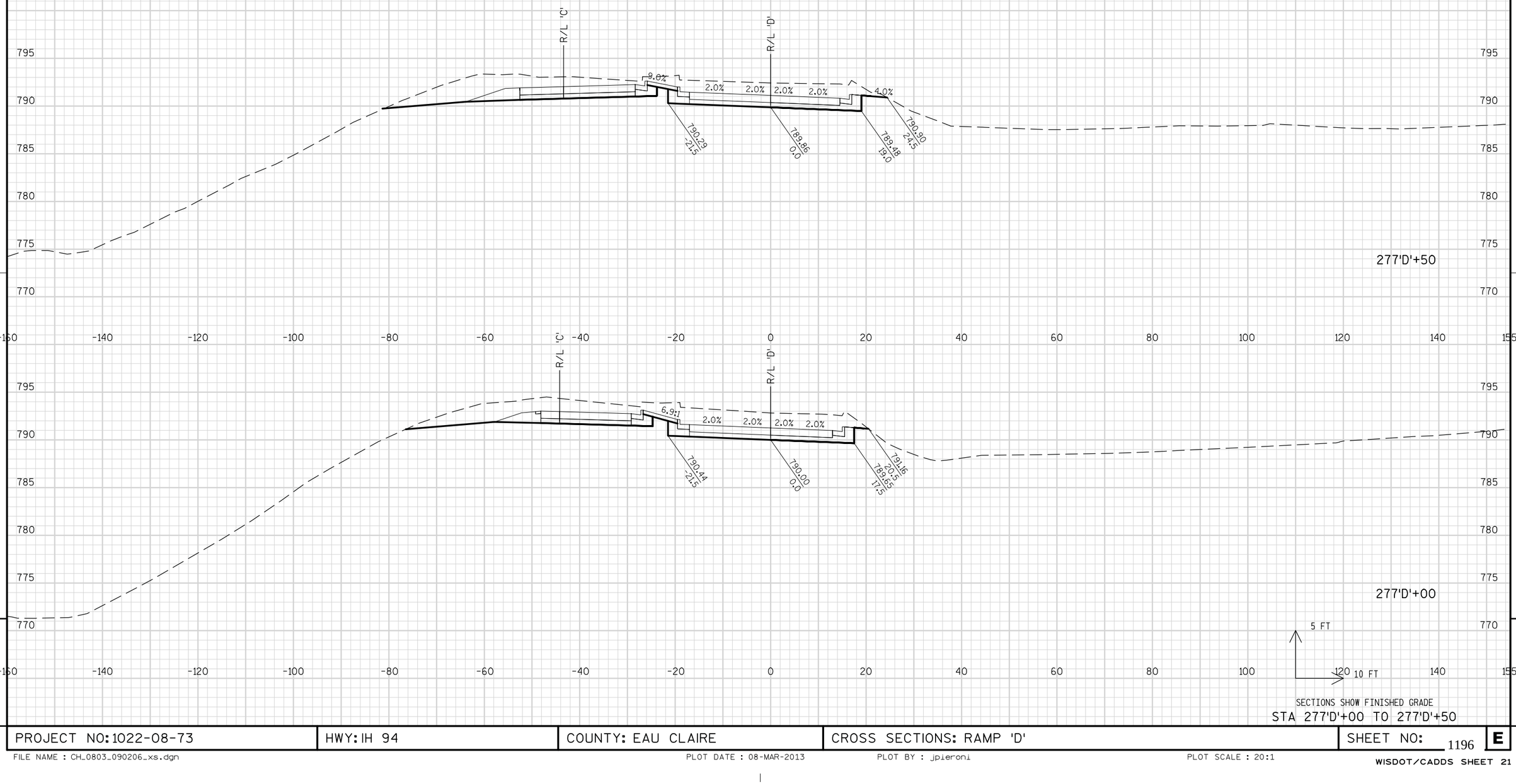
STA 276'D'+00 TO 276'D'+50

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: RAMP 'D'	SHEET NO: 1195	E

FILE NAME : CH_0803_090206_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 3



SECTIONS SHOW FINISHED GRADE

STA 277'D'+00 TO 277'D'+50

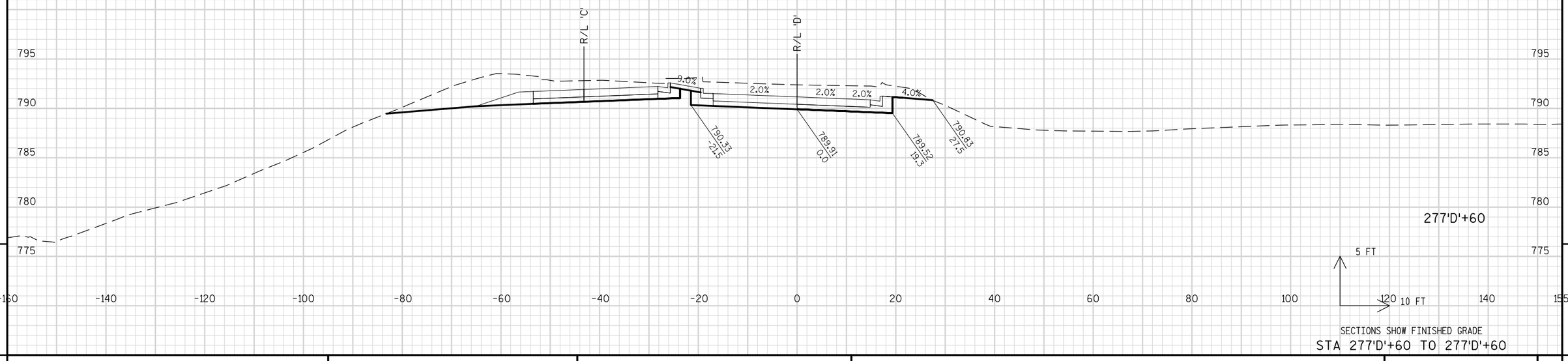
PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: RAMP 'D'	SHEET NO: 1196 E

FILE NAME : CH_0803_090206_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 3

END ABRUPT

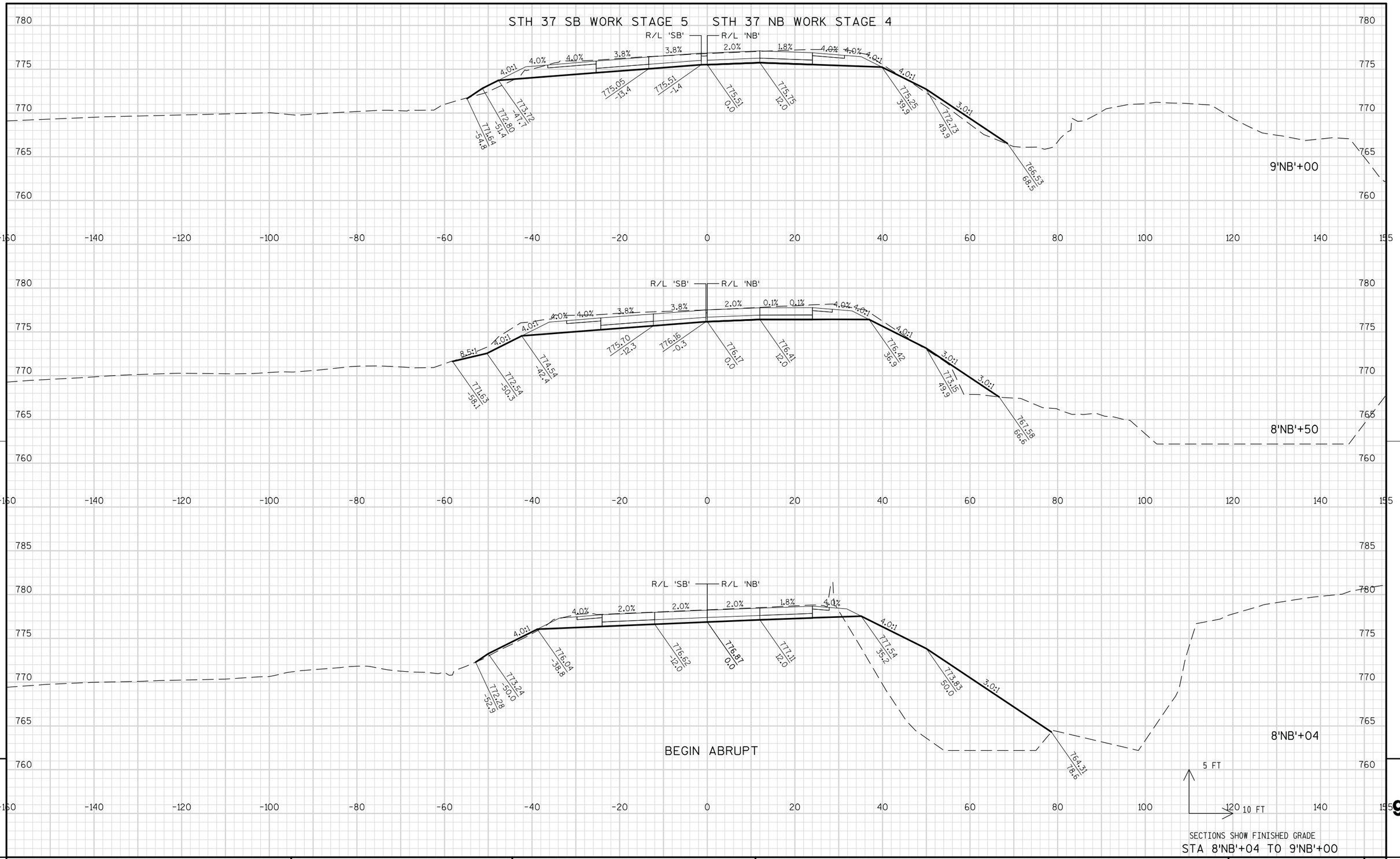


SECTIONS SHOW FINISHED GRADE

STA 277'D'+60 TO 277'D'+60

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: RAMP 'D'	SHEET NO: 1197 E

FILE NAME : CH_0803_090206_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1



PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: STH 37	SHEET NO: 1198 E

FILE NAME : CH_0803_090207_xs.dgn | PLOT DATE : 08-MAR-2013 | PLOT BY : jpieroni | PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

STH 37 SB WORK STAGE 5 STH 37 NB WORK STAGE 4

SECTIONS SHOW FINISHED GRADE

STA 9'NB'+50 TO 10'NB'+50

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: STH 37	SHEET NO: 1199	E

STH 37 SB WORK STAGE 5 STH 37 NB WORK STAGE 4

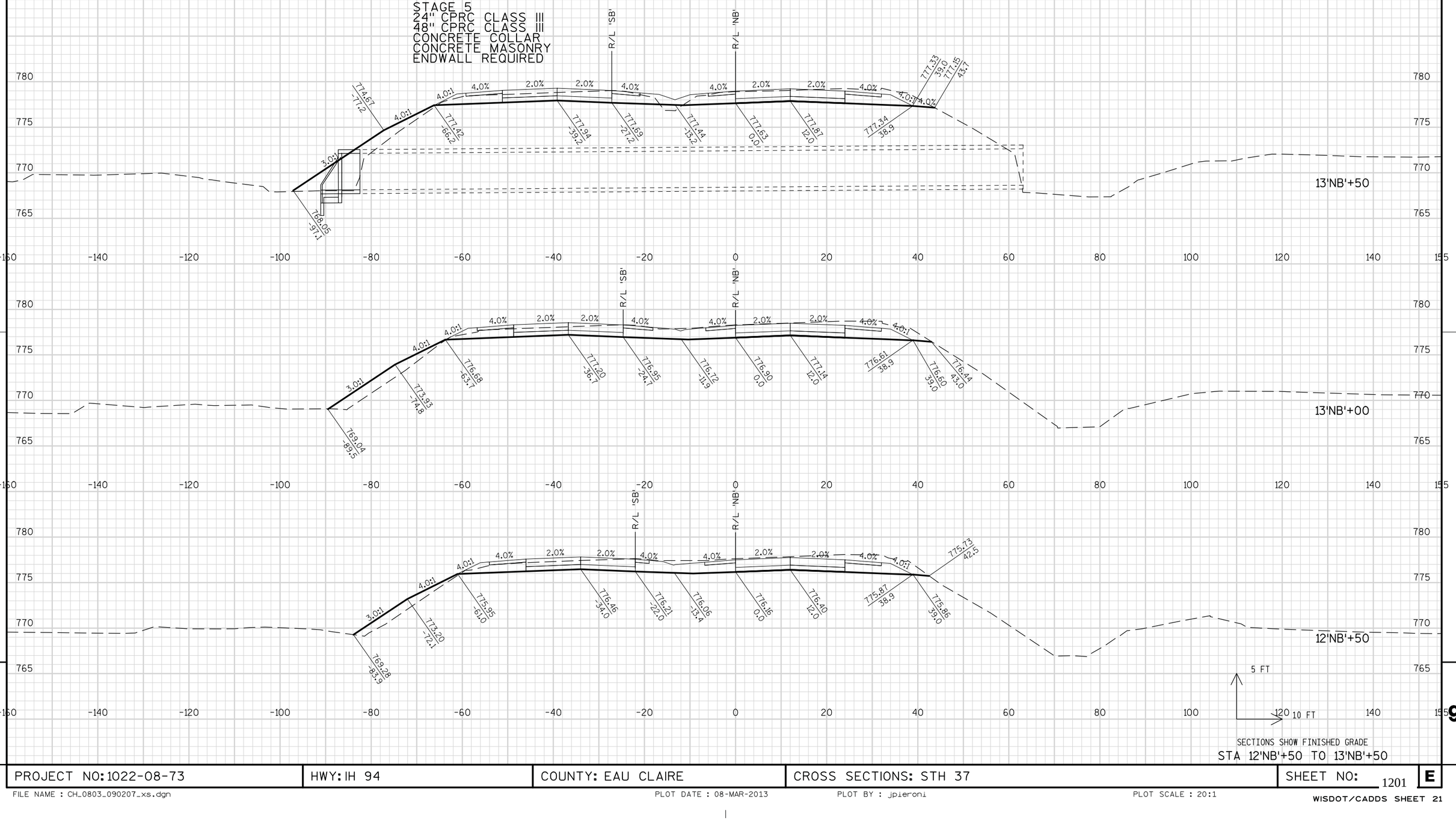
PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: STH 37	SHEET NO: 1200 E

FILE NAME : CH_0803_090207_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

STH 37 SB WORK STAGE 5 STH 37 NB WORK STAGE 4

STAGE 5
24" CPRC CLASS III
48" CPRC CLASS III
CONCRETE COLLAR
CONCRETE MASONRY
ENDWALL REQUIRED



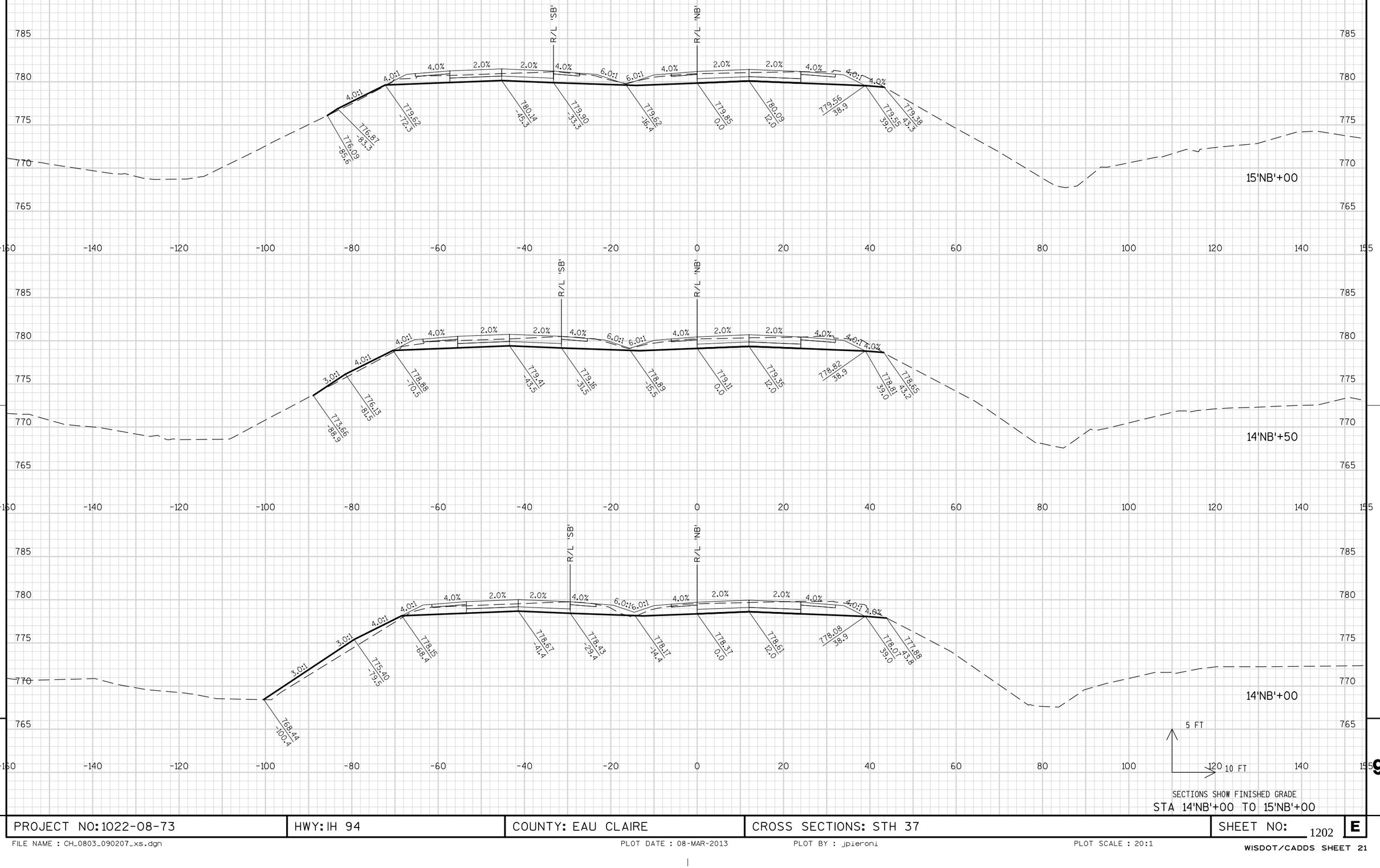
SECTIONS SHOW FINISHED GRADE
STA 12'NB'+50 TO 13'NB'+50

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: STH 37	SHEET NO: 1201	E

FILE NAME : CH_0803_090207_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

STH 37 SB WORK STAGE 5 STH 37 NB WORK STAGE 4



SECTIONS SHOW FINISHED GRADE

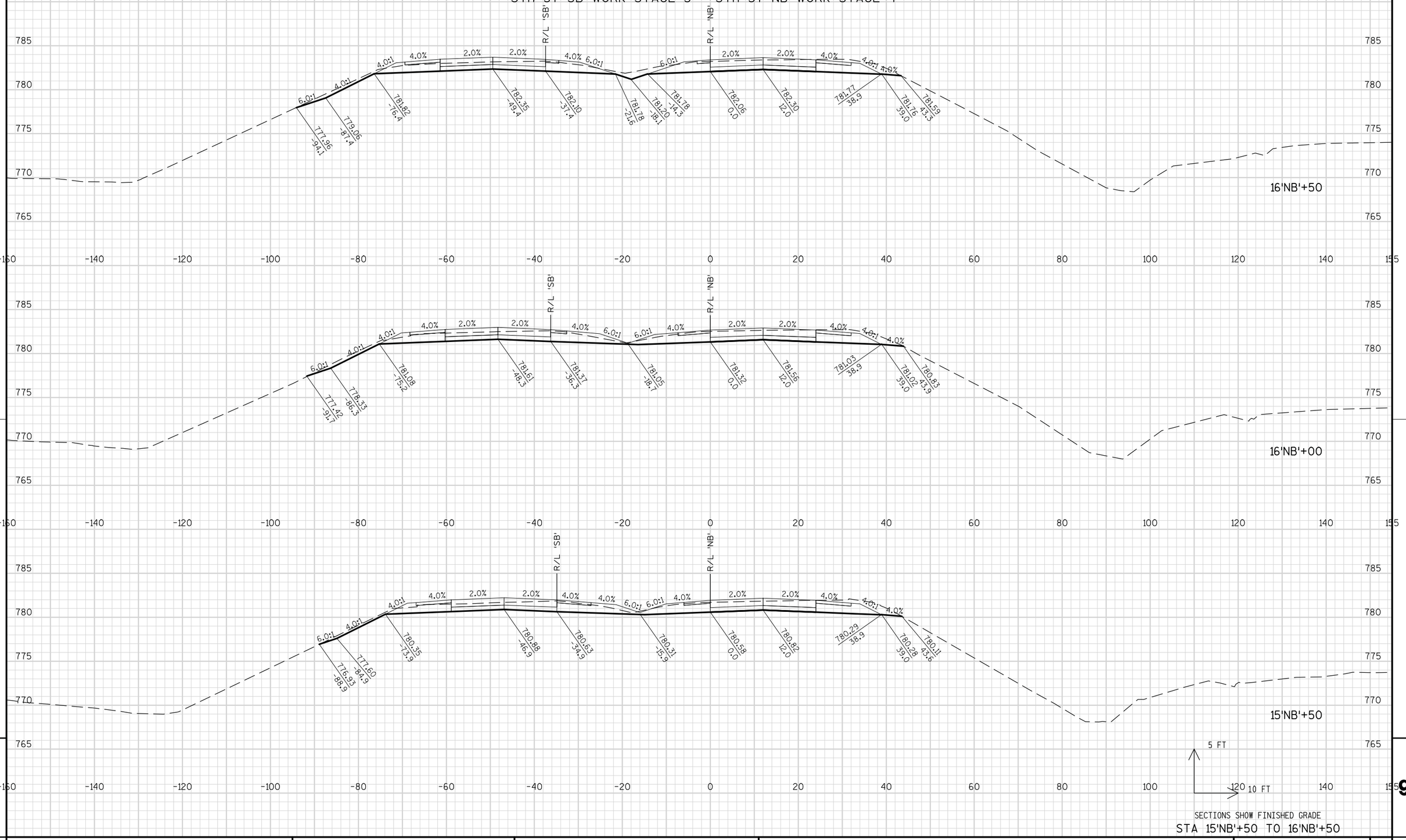
STA 14'NB'+00 TO 15'NB'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: STH 37	SHEET NO: 1202 E

FILE NAME : CH_0803_090207_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

STH 37 SB WORK STAGE 5 STH 37 NB WORK STAGE 4



SECTIONS SHOW FINISHED GRADE

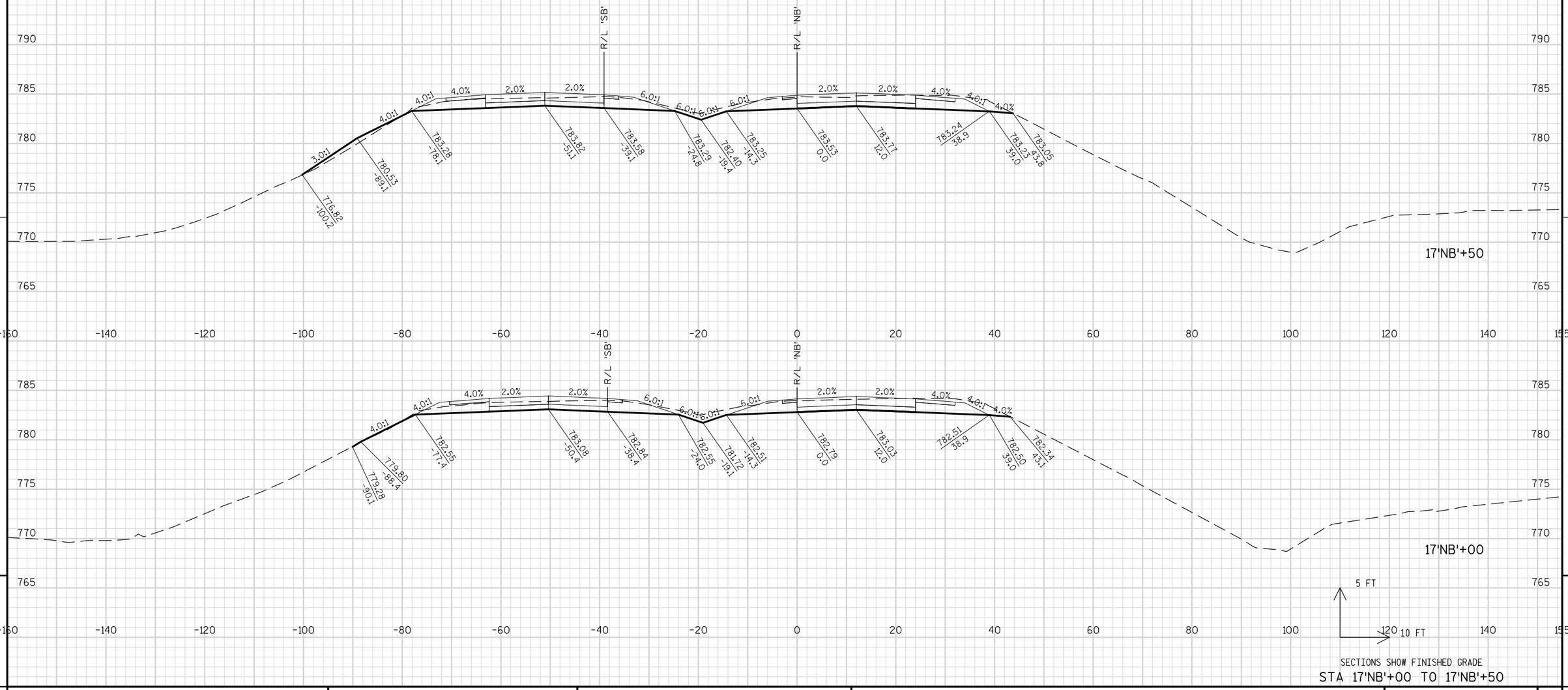
STA 15'NB'+50 TO 16'NB'+50

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: STH 37	SHEET NO: 1203 E

FILE NAME : CH_0803_090207_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

STH 37 SB WORK STAGE 5 STH 37 NB WORK STAGE 4

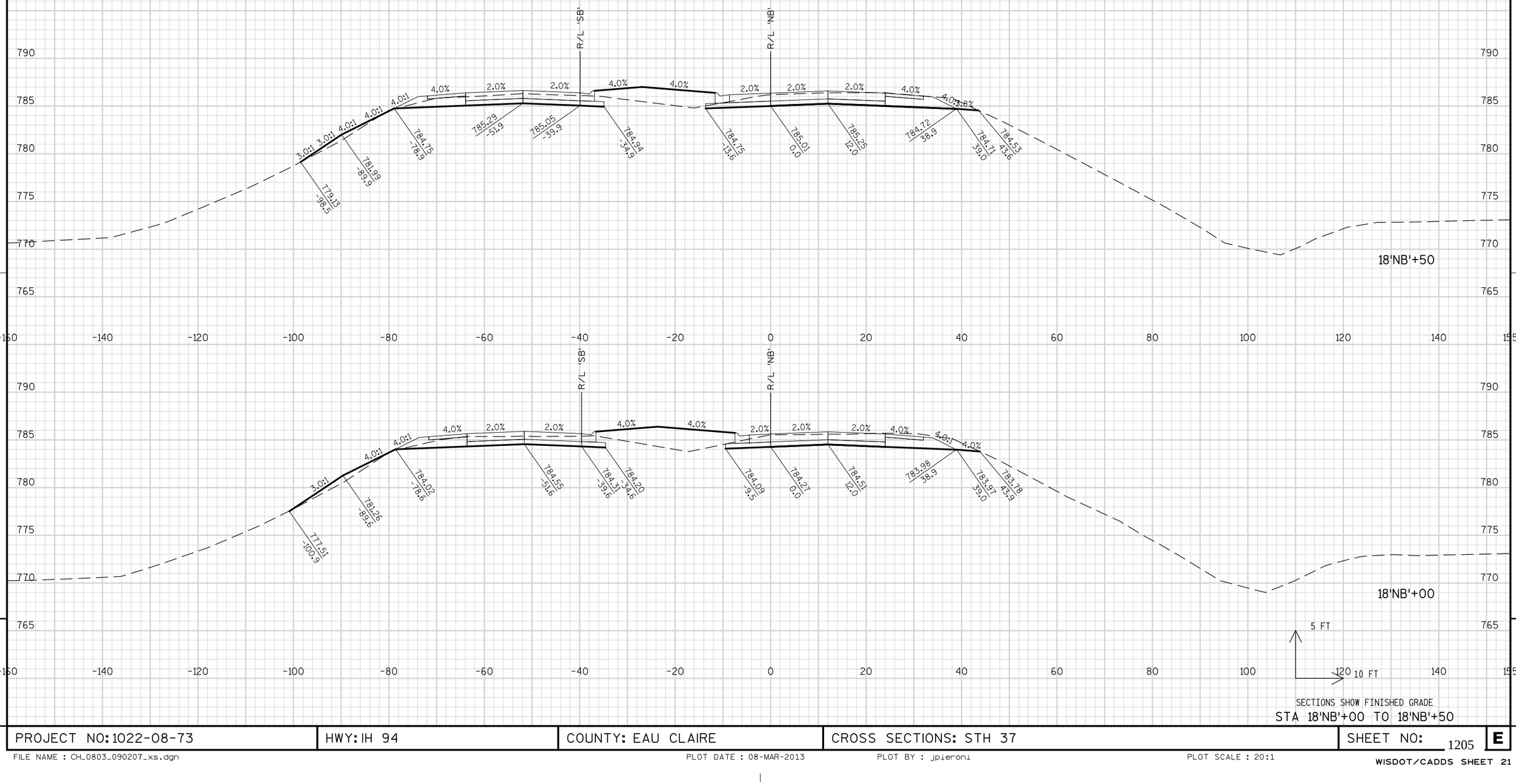


PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: STH 37	SHEET NO: 1204 E

FILE NAME : CH_0803_090207_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

STH 37 SB WORK STAGE 5 STH 37 NB WORK STAGE 4



SECTIONS SHOW FINISHED GRADE

STA 18'NB'+00 TO 18'NB'+50

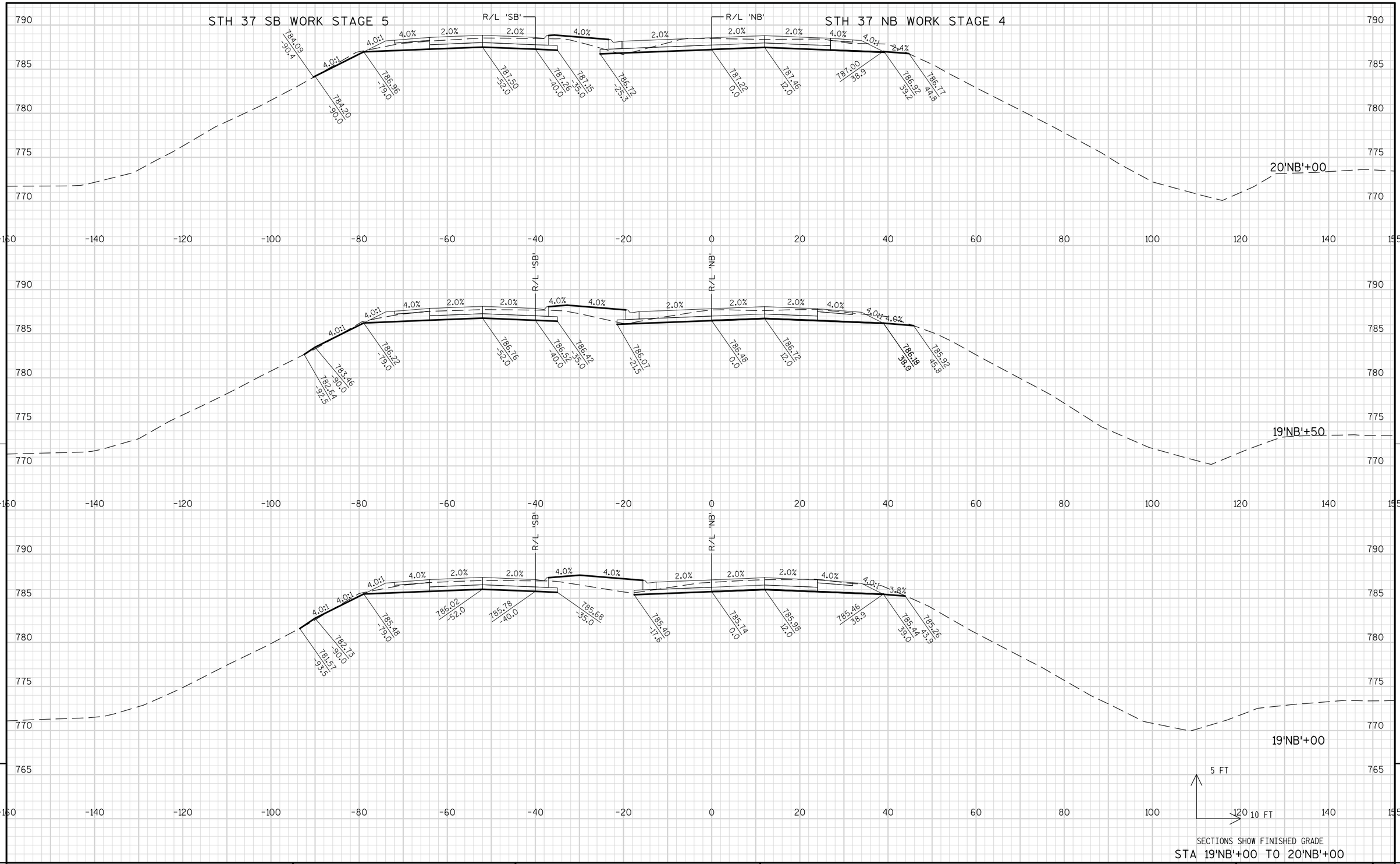
PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: STH 37	SHEET NO: 1205 E

FILE NAME : CH_0803_090207_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

STH 37 SB WORK STAGE 5

STH 37 NB WORK STAGE 4



SECTIONS SHOW FINISHED GRADE

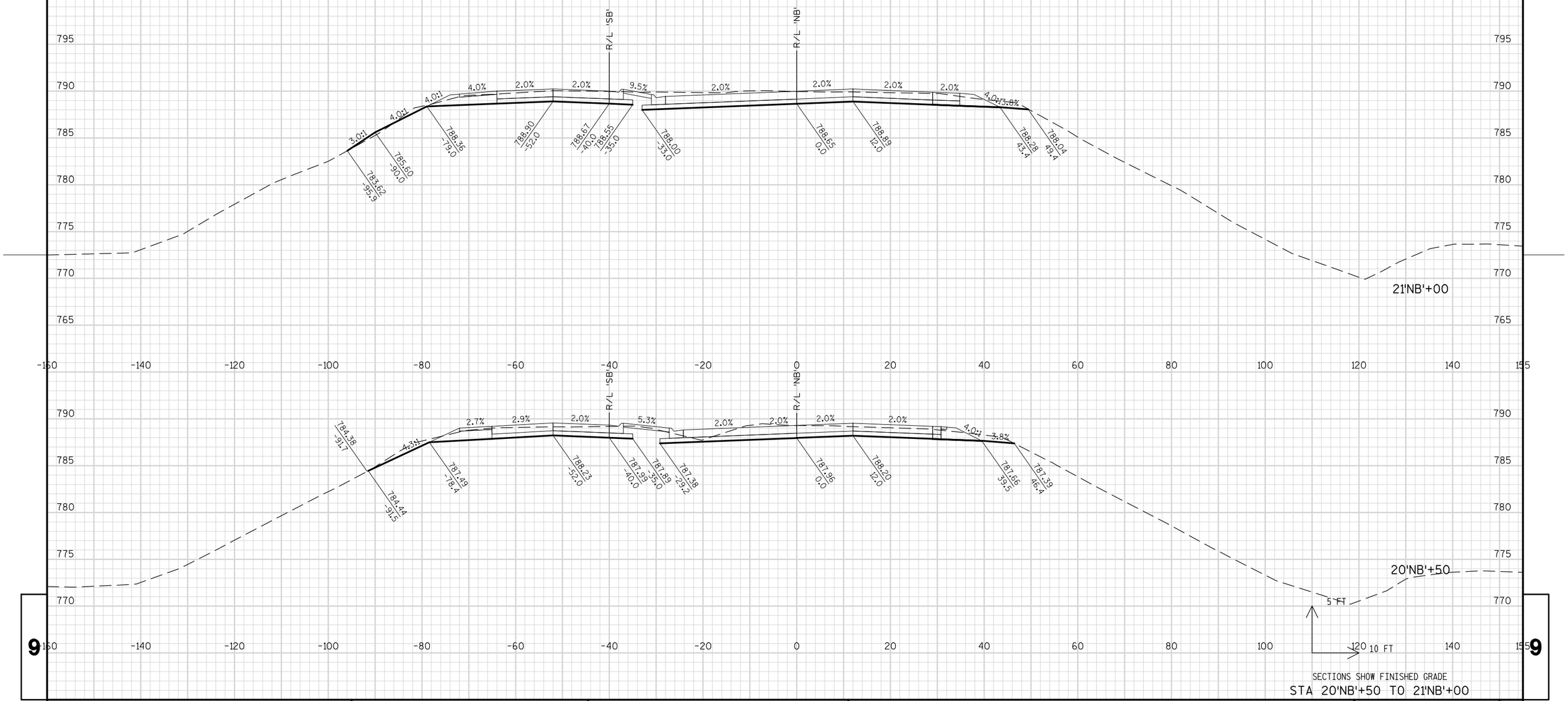
STA 19'NB'+00 TO 20'NB'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: STH 37	SHEET NO: 1206 E

FILE NAME : CH_0803_090207_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

STH 37 SB WORK STAGE 5 STH 37 NB WORK STAGE 4



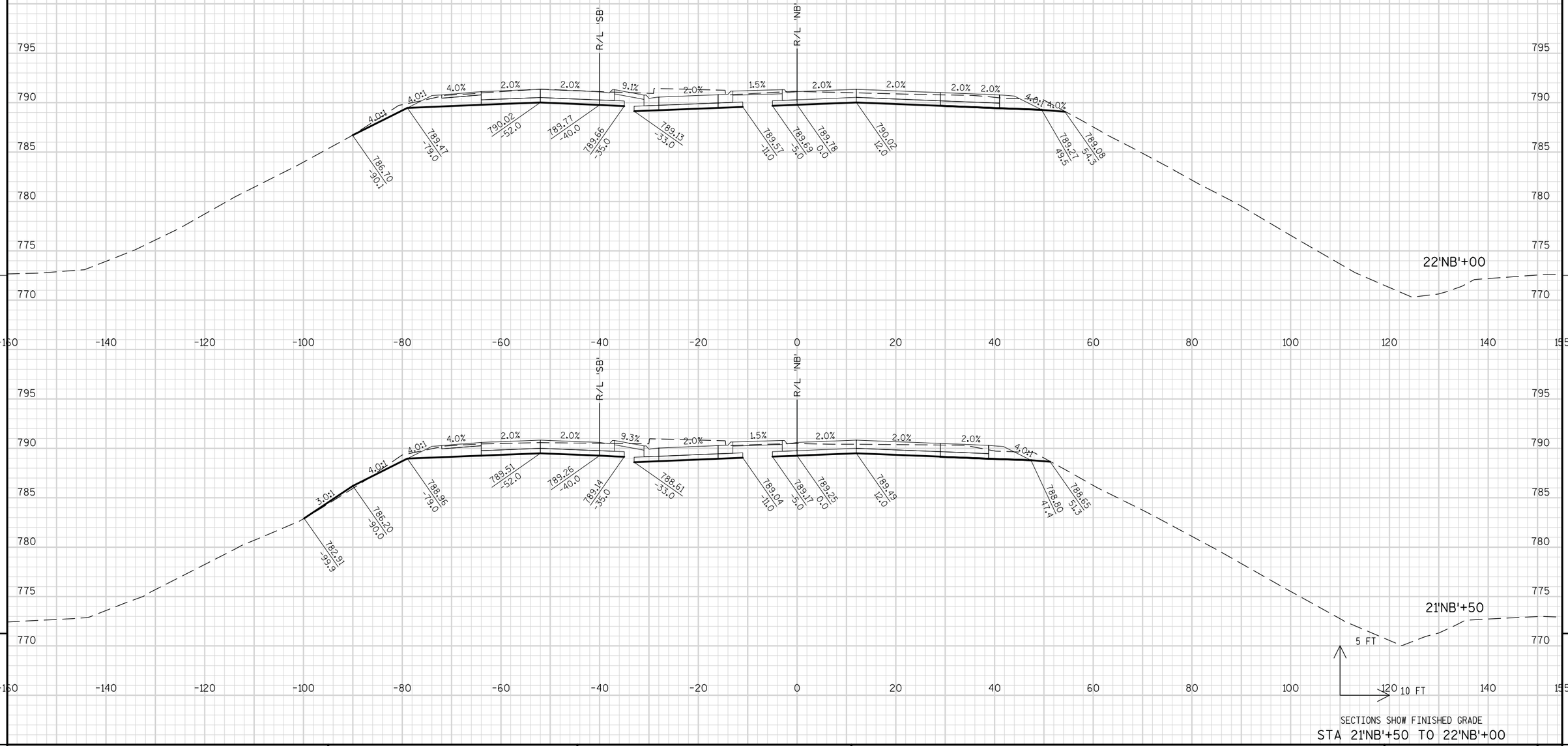
SECTIONS SHOW FINISHED GRADE
STA 20'NB'+50 TO 21'NB'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: STH 37	SHEET NO: 1207 E

FILE NAME : CH_0803_090207_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

STH 37 SB WORK STAGE 5 STH 37 NB WORK STAGE 4



SECTIONS SHOW FINISHED GRADE

STA 21'NB'+50 TO 22'NB'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: STH 37	SHEET NO: 1208 E

FILE NAME : CH_0803_090207_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

STH 37 SB WORK STAGE 5

R/L 'SB'

R/L 'NB'

STH 37 NB WORK STAGE 3

792.74 49.3

792.15 41.0

790.27 46.0

790.36 44.0

791.06 12.0

790.82 0.0

790.28 -28.0

790.73 -40.0

790.96 -52.0

790.22 -88.5

786.76 -102.4

785.43 -118.2

4.0% 2.0% 2.0% 4.0% 2.0% 2.0% 2.0% 2.0% 4.0:1 4.0:1 8.4%

23'NB'+50

STH 37 NB WORK STAGE 4

R/L 'SB'

R/L 'NB'

789.53 62.6

790.05 49.6

790.80 12.0

790.56 0.0

790.48 -5.0

790.35 -11.0

789.91 -33.0

790.33 -35.0

790.44 -40.0

790.67 -52.0

789.95 -86.0

785.73 -98.3

4.0% 2.0% 2.0% 7.1% 2.0% 1.5% 2.0% 2.0% 2.0% 4.0% 4.0:1 4.0:1 2.9:1

23'NB'+00

STH 37 NB WORK STAGE 4

R/L 'SB'

R/L 'NB'

789.43 56.7

789.71 49.5

790.45 12.0

790.21 0.0

790.13 -5.0

790.00 -11.0

789.57 -33.0

790.09 -35.0

790.20 -40.0

790.44 -52.0

789.90 -79.0

788.03 -86.9

4.0% 4.0% 2.0% 2.0% 9.1% 2.0% 1.5% 2.0% 2.0% 2.0% 4.0:1 4.0% 4.2:1

22'NB'+50

5 FT

10 FT

SECTIONS SHOW FINISHED GRADE

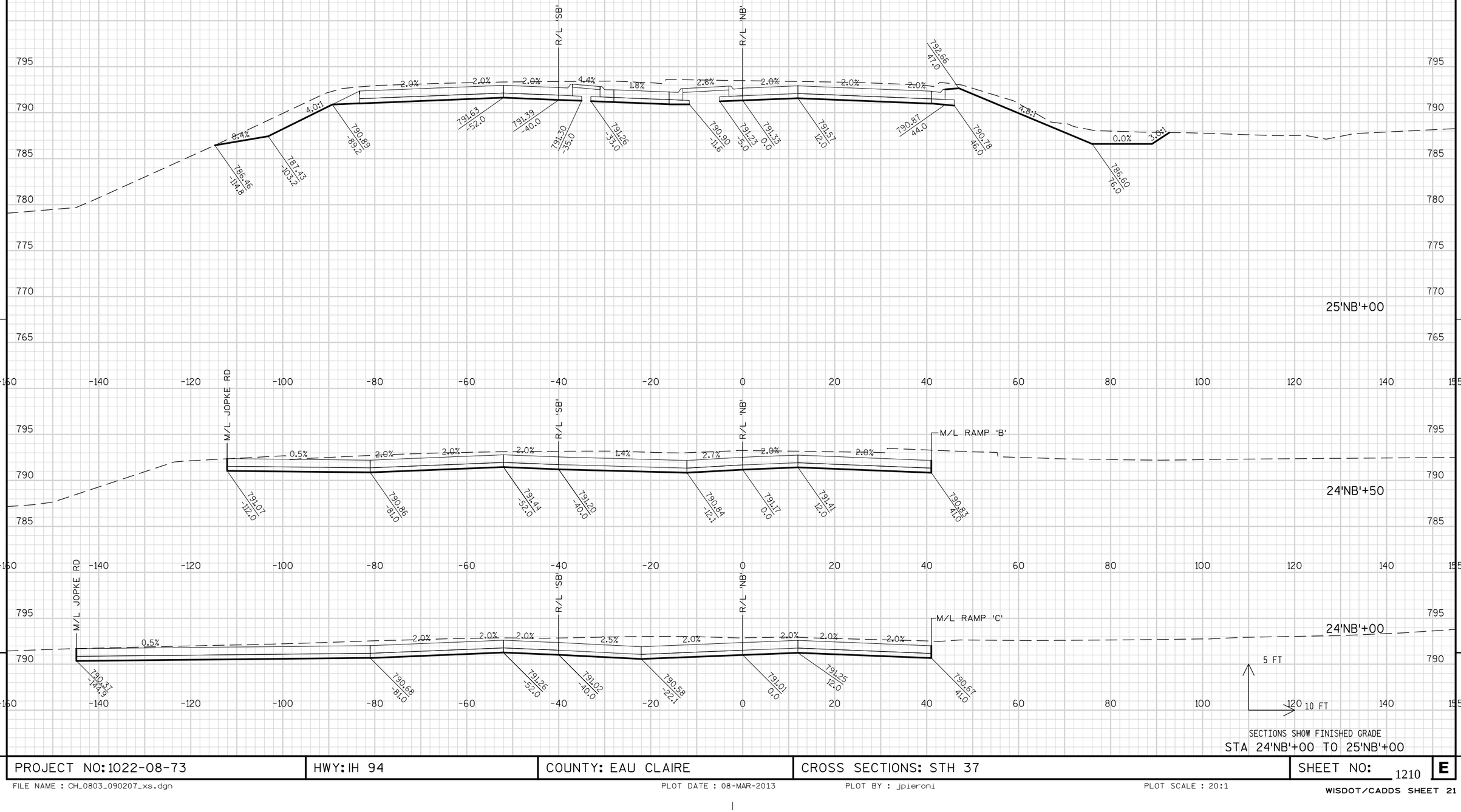
STA 22'NB'+50 TO 23'NB'+50

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: STH 37	SHEET NO: 1209 E

FILE NAME : CH_0803_090207_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

STH 37 SB WORK STAGE 5 STH 37 NB WORK STAGE 3



SECTIONS SHOW FINISHED GRADE

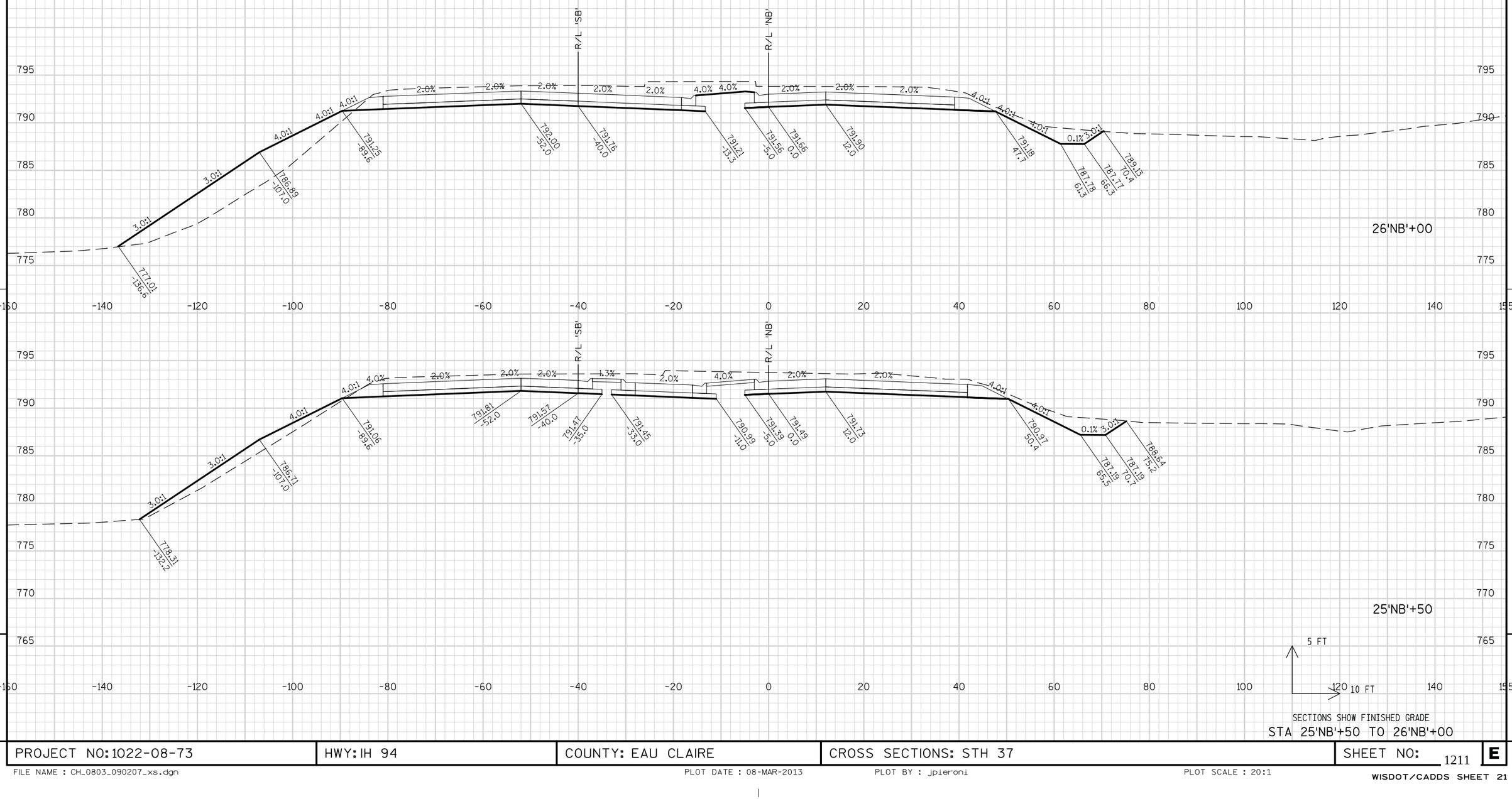
STA 24'NB'+00 TO 25'NB'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: STH 37	SHEET NO: 1210	E

FILE NAME : CH_0803_090207_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

STH 37 SB WORK STAGE 5 STH 37 NB WORK STAGE 4

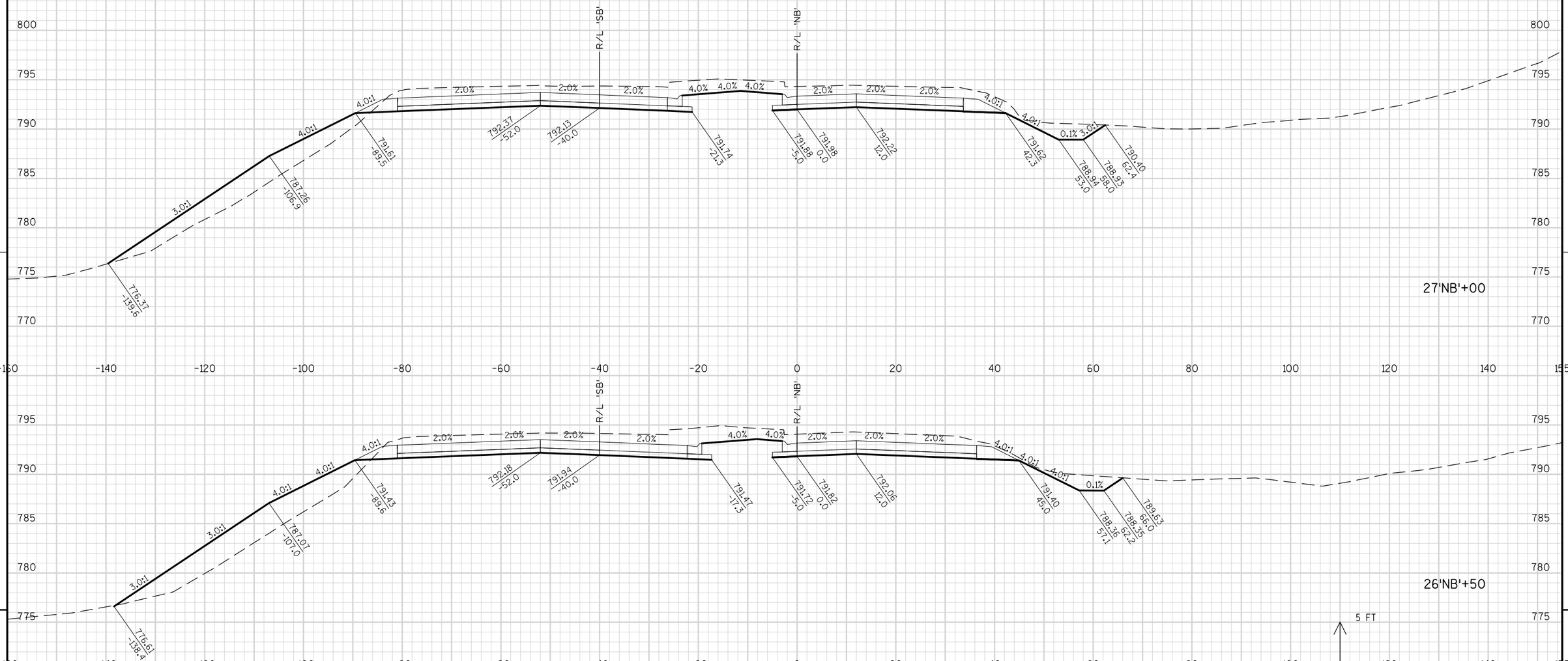


PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: STH 37	SHEET NO: 1211 E

FILE NAME : CH_0803_090207_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

STH 37 SB WORK STAGE 5 STH 37 NB WORK STAGE 4



SECTIONS SHOW FINISHED GRADE

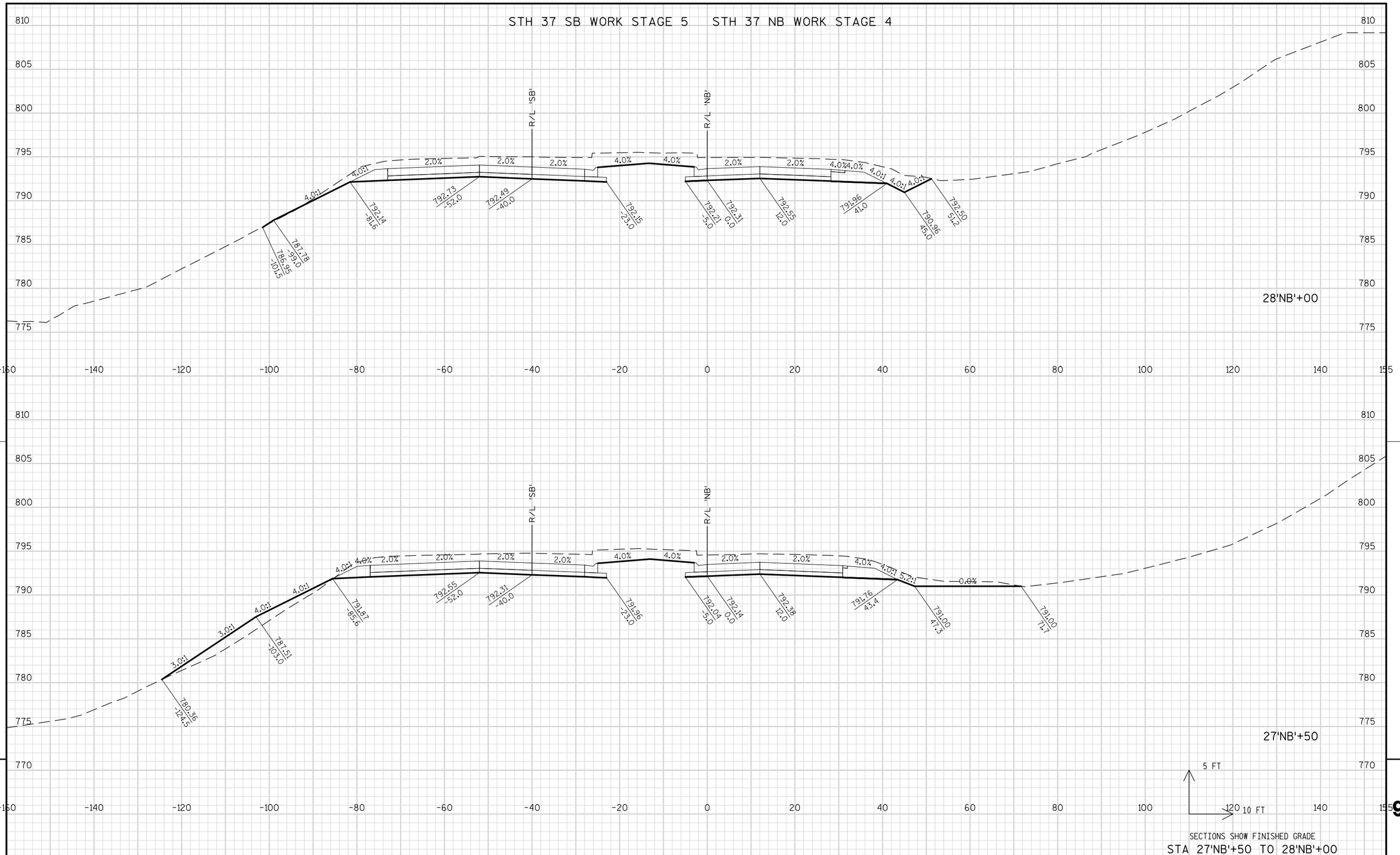
STA 26'NB'+50 TO 27'NB'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: STH 37	SHEET NO: 1212	E

FILE NAME : CH_0803_090207_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

STH 37 SB WORK STAGE 5 STH 37 NB WORK STAGE 4

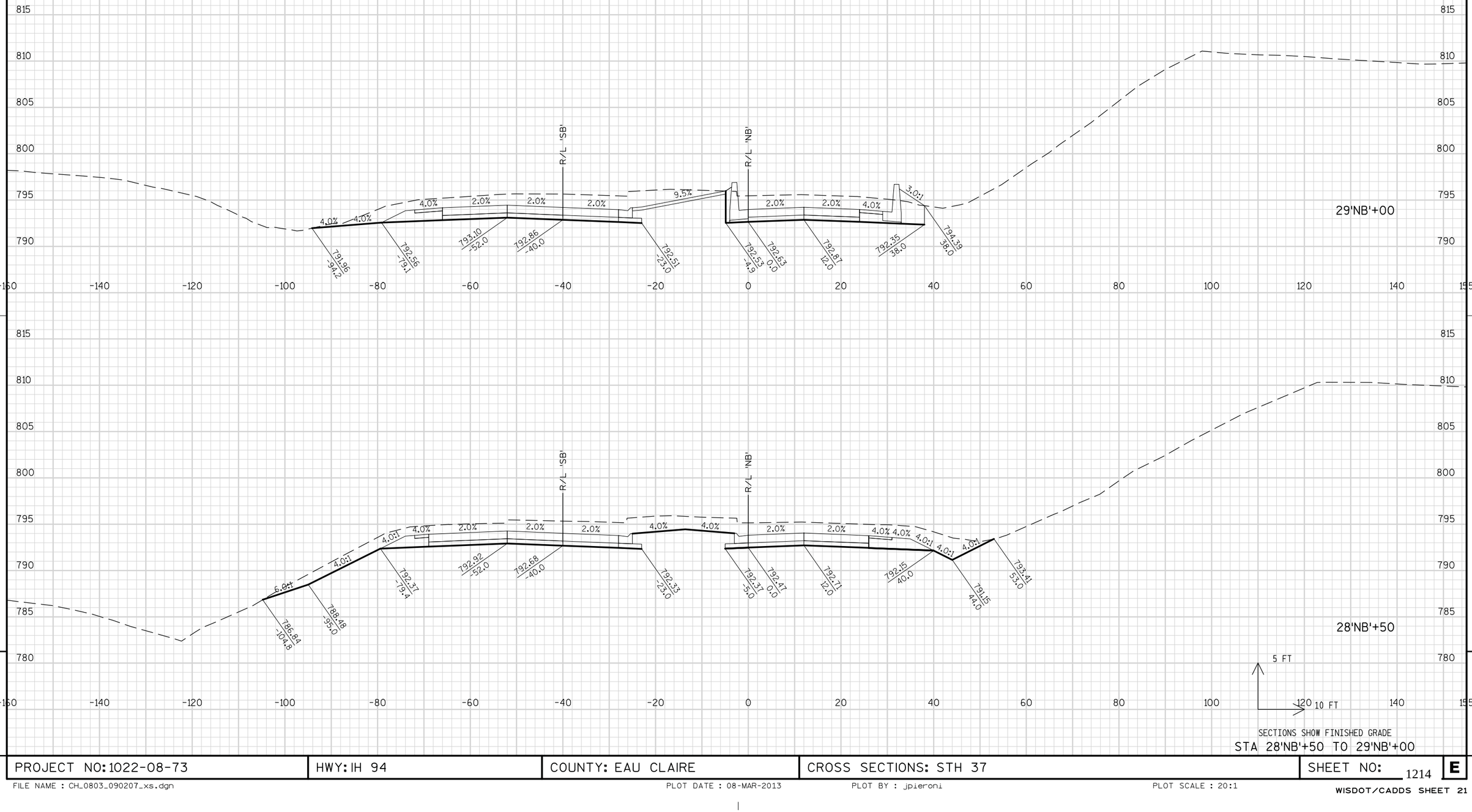


PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: STH 37	SHEET NO: 1213	E

FILE NAME : CH_0803_090207_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

STH 37 SB WORK STAGE 5 STH 37 NB WORK STAGE 4



SECTIONS SHOW FINISHED GRADE

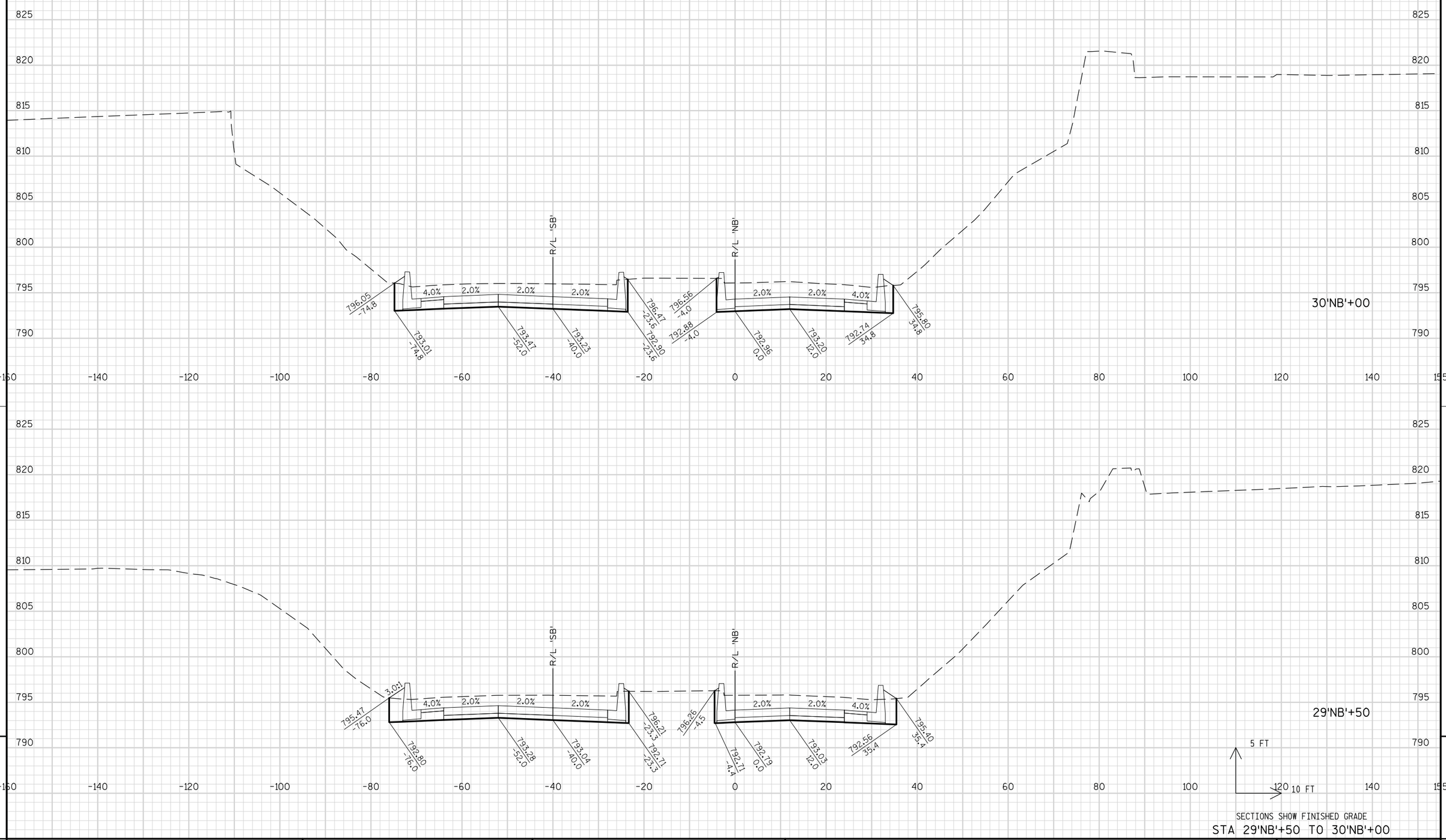
STA 28'NB'+50 TO 29'NB'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: STH 37	SHEET NO: 1214 E

FILE NAME : CH_0803_090207_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

STH 37 SB WORK STAGE 5 STH 37 NB WORK STAGE 4



SECTIONS SHOW FINISHED GRADE

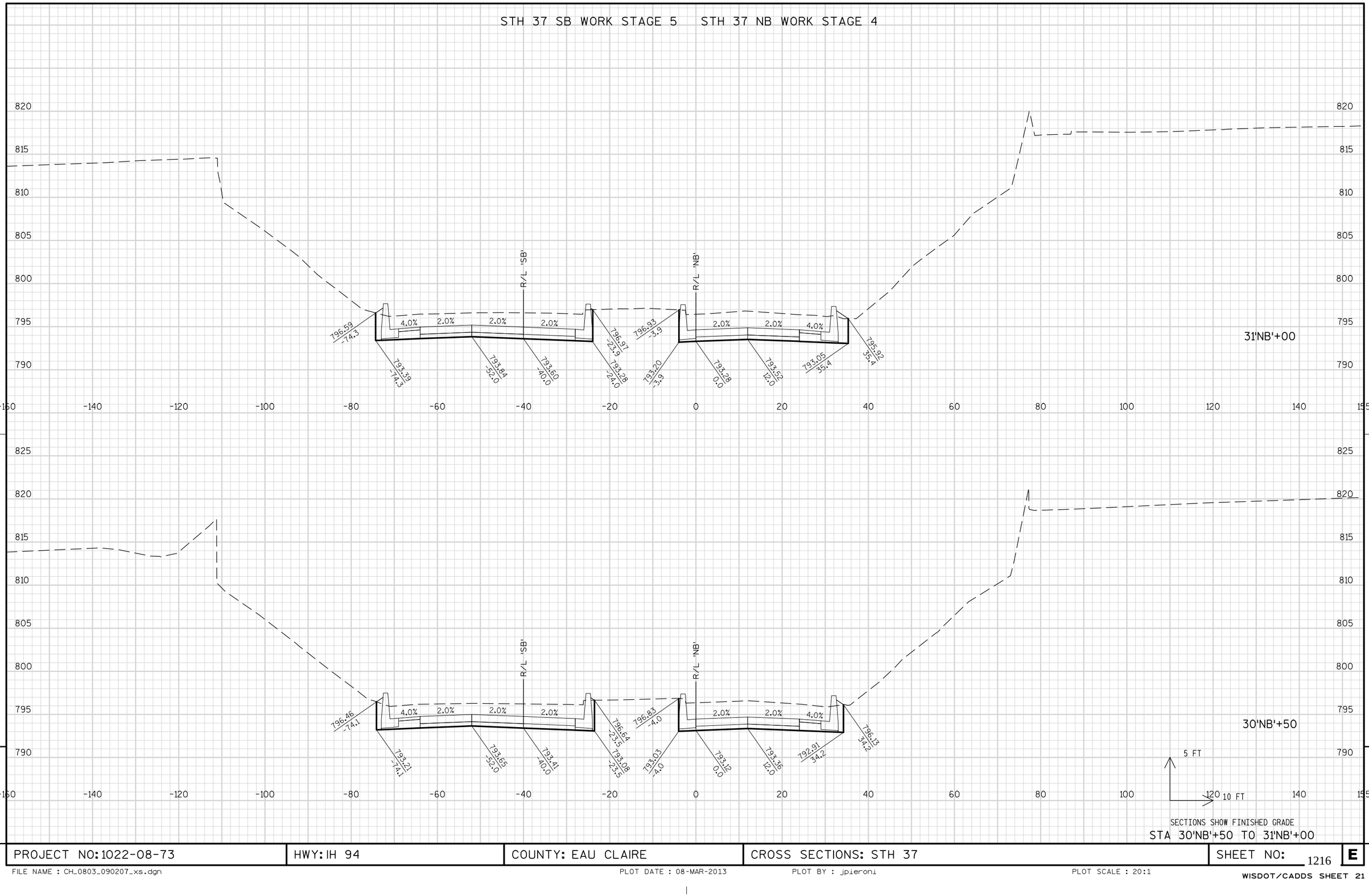
STA 29'NB'+50 TO 30'NB'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: STH 37	SHEET NO: 1215 E

FILE NAME : CH_0803_090207_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

STH 37 SB WORK STAGE 5 STH 37 NB WORK STAGE 4



SECTIONS SHOW FINISHED GRADE

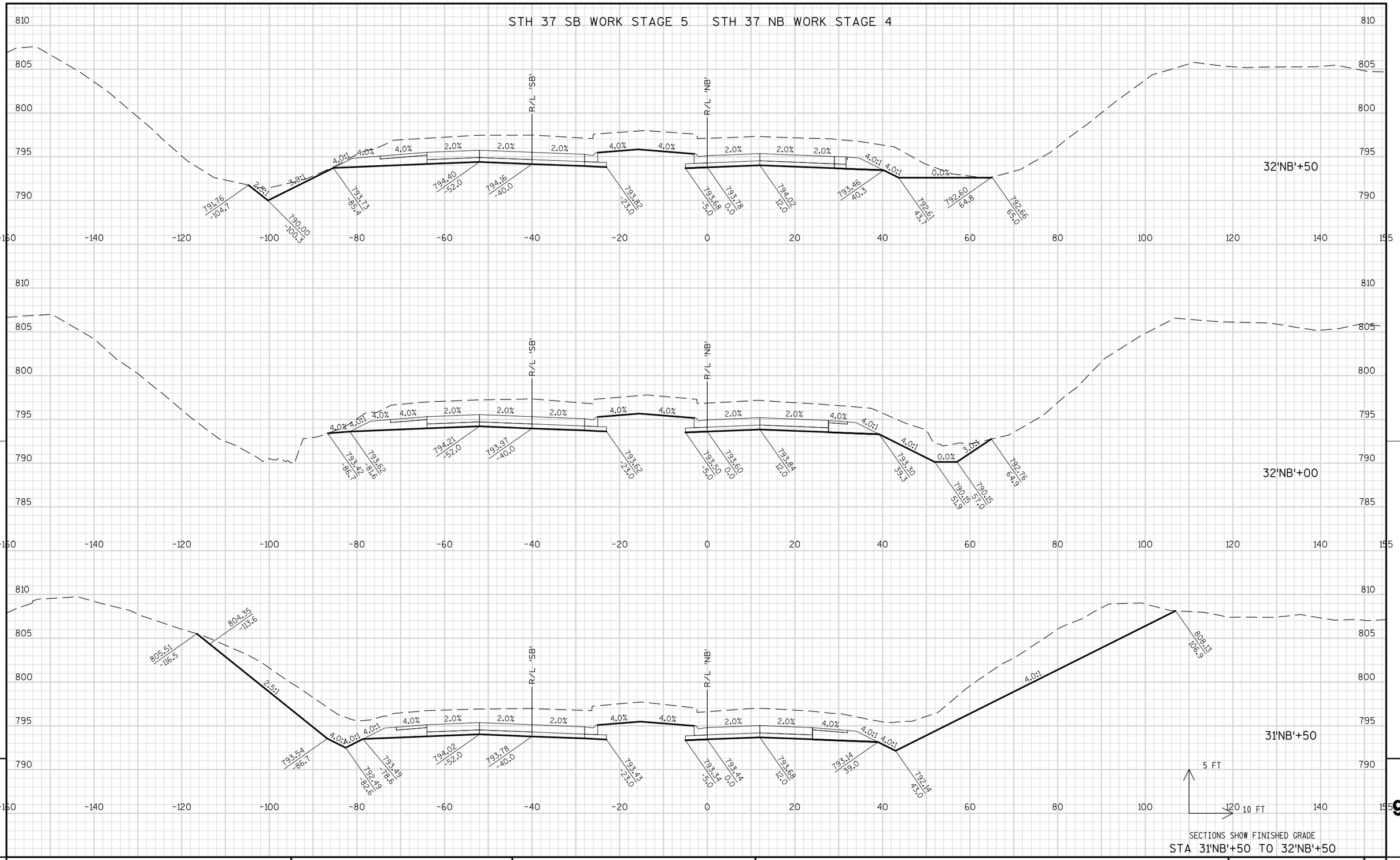
STA 30'NB'+50 TO 31'NB'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: STH 37	SHEET NO: 1216 E

FILE NAME : CH_0803_090207_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

STH 37 SB WORK STAGE 5 STH 37 NB WORK STAGE 4

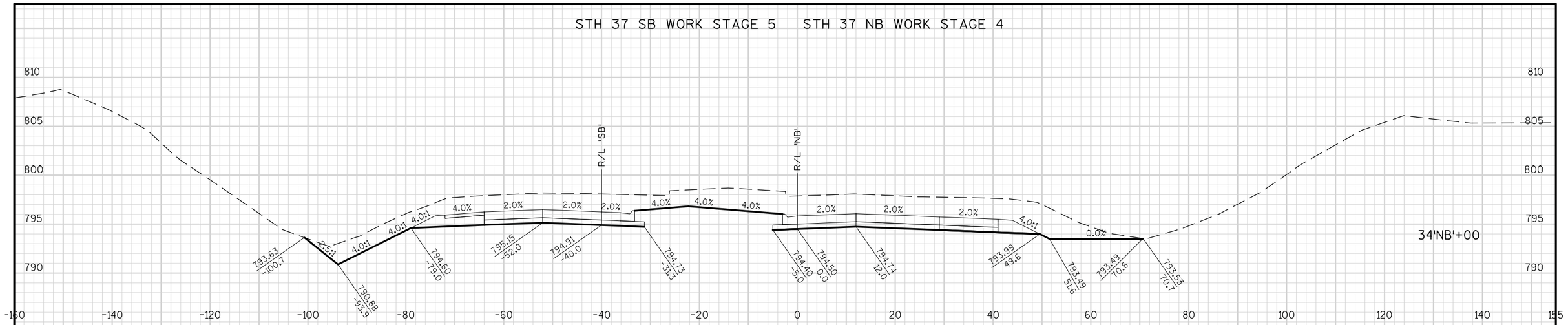


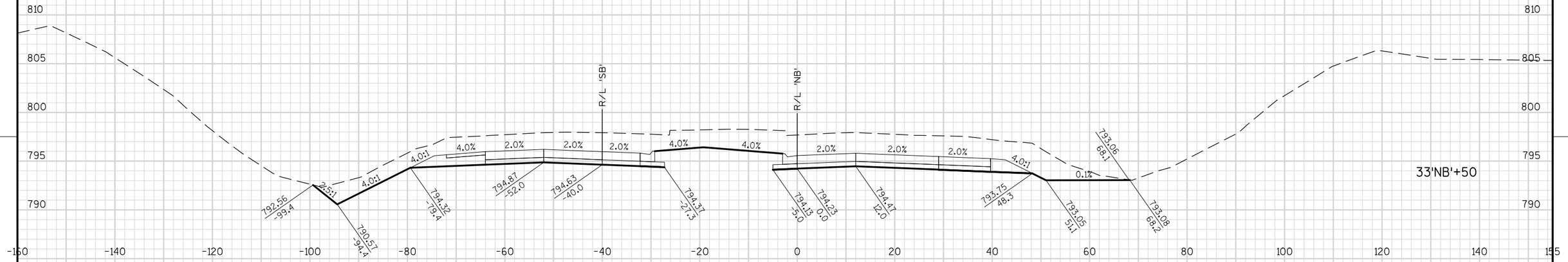
PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: STH 37	SHEET NO: 1217 E

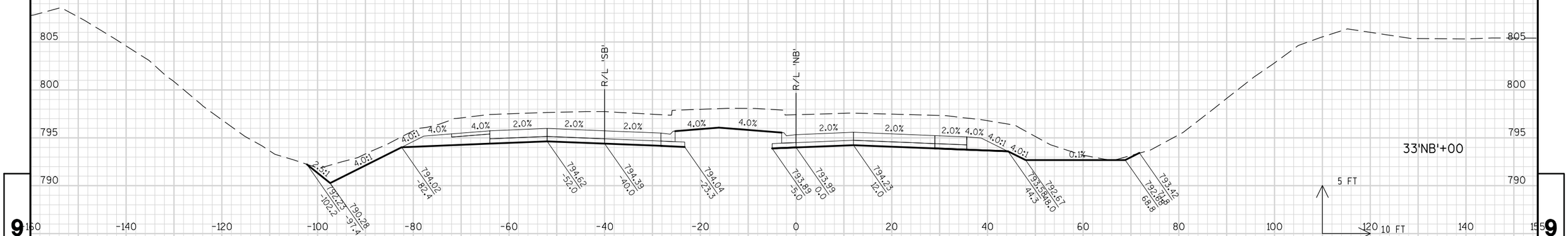
FILE NAME : CH_0803_090207_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

STH 37 SB WORK STAGE 5 STH 37 NB WORK STAGE 4







SECTIONS SHOW FINISHED GRADE
STA 33'NB'+00 TO 34'NB'+00

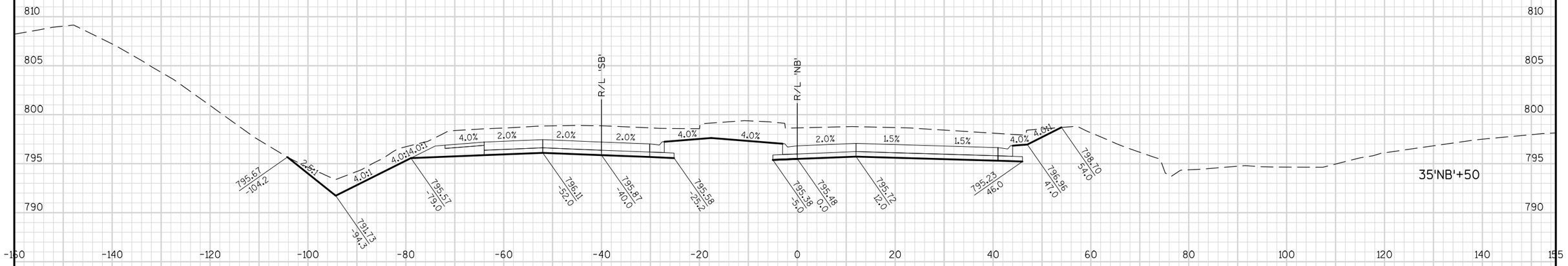
PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: STH 37	SHEET NO: 1218	E

FILE NAME : CH_0803_090207_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

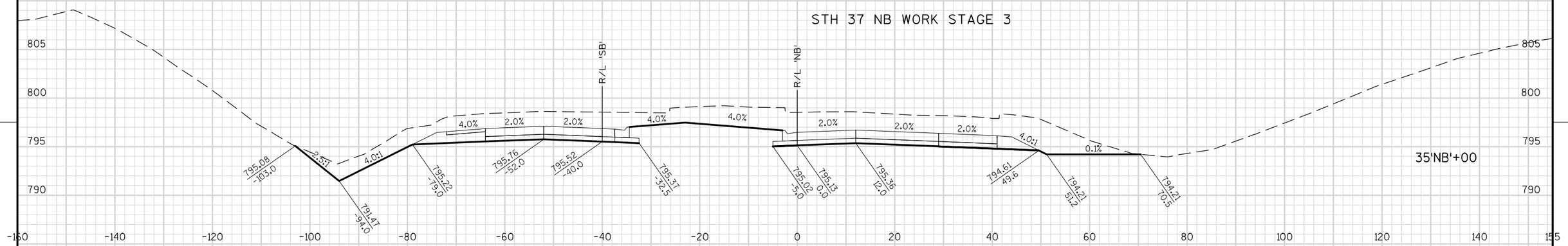
WISDOT/CADDS SHEET 21

9

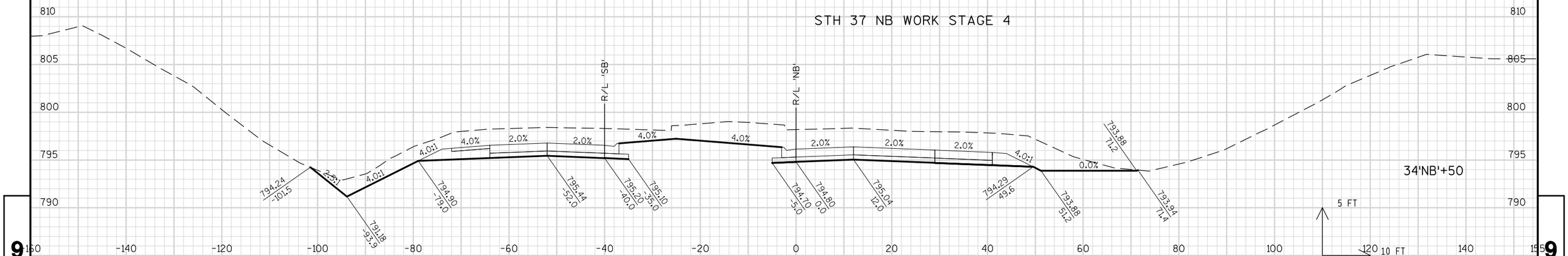
STH 37 SB WORK STAGE 5 STH 37 NB WORK STAGE 3



STH 37 NB WORK STAGE 3



STH 37 NB WORK STAGE 4



SECTIONS SHOW FINISHED GRADE

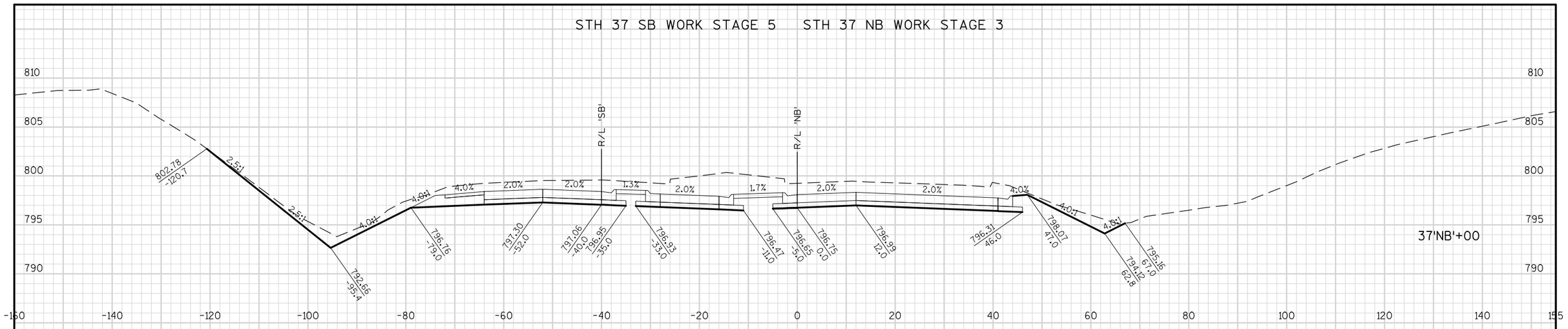
STA 34'NB'+50 TO 35'NB'+50

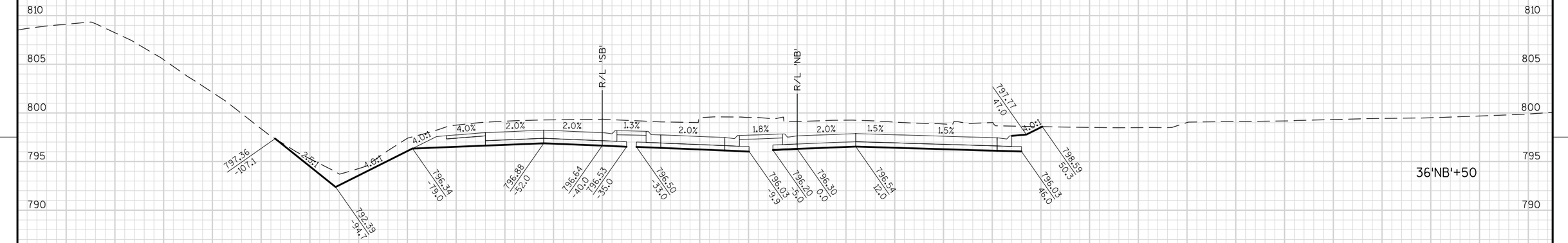
PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: STH 37	SHEET NO: 1219	E

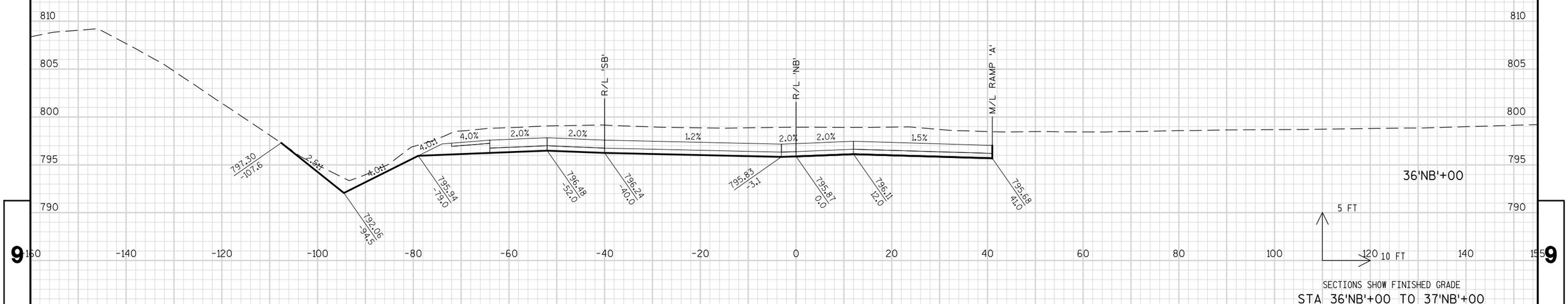
FILE NAME : CH_0803_090207_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

STH 37 SB WORK STAGE 5 STH 37 NB WORK STAGE 3







SECTIONS SHOW FINISHED GRADE

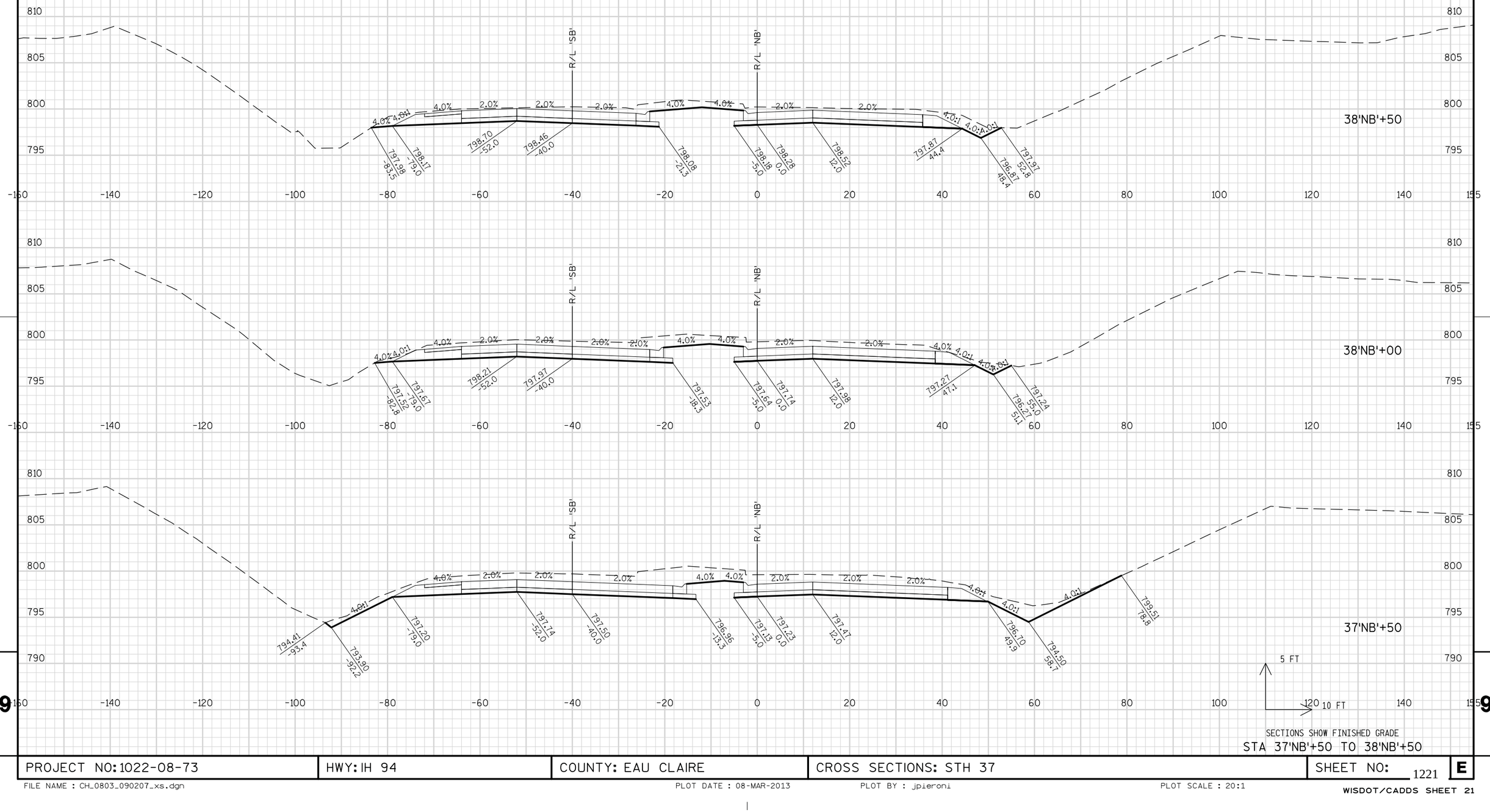
STA 36'NB'+00 TO 37'NB'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: STH 37	SHEET NO: 1220	E

FILE NAME : CH_0803_090207_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

STH 37 SB WORK STAGE 5 STH 37 NB WORK STAGE 4

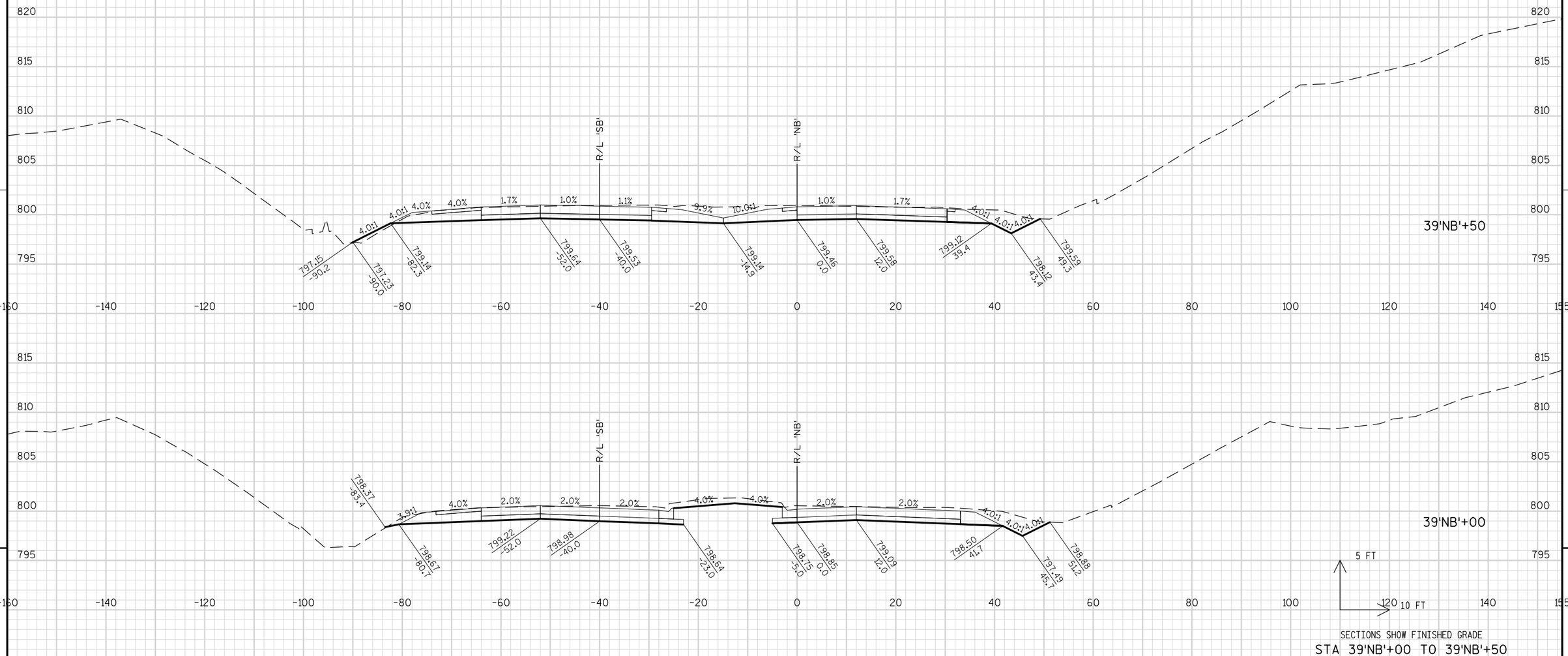


PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: STH 37	SHEET NO: 1221	E

FILE NAME : CH_0803_090207_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

STH 37 SB WORK STAGE 5 STH 37 NB WORK STAGE 4



SECTIONS SHOW FINISHED GRADE

STA 39'NB'+00 TO 39'NB'+50

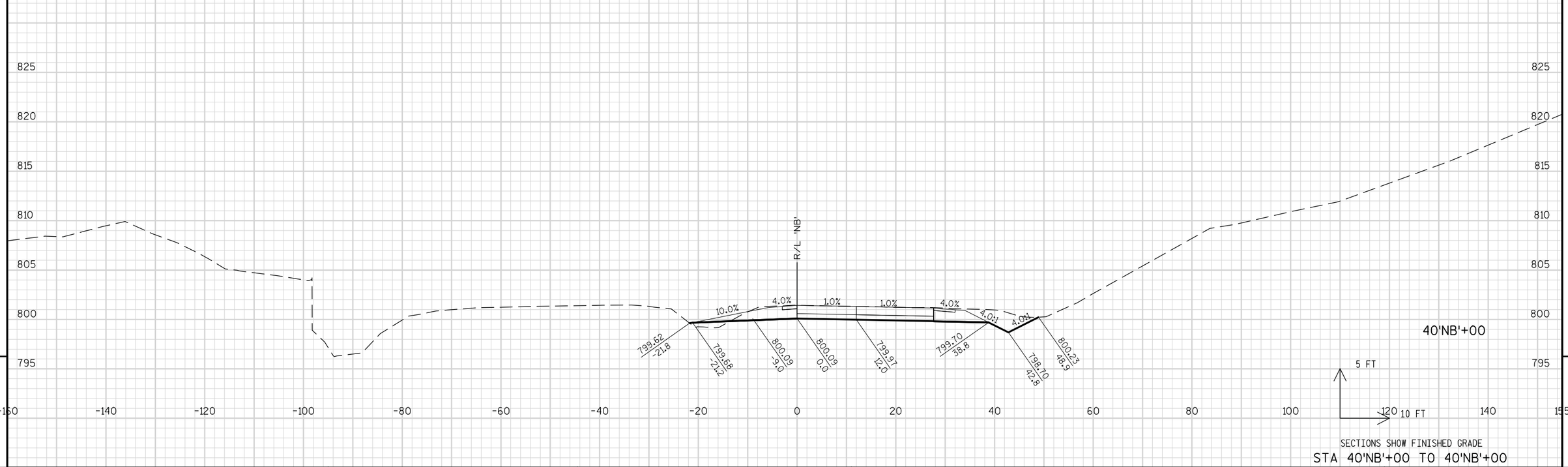
PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: STH 37	SHEET NO: 1222	E

FILE NAME : CH_0803_090207_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

STH 37 SB WORK STAGE 5 STH 37 NB WORK STAGE 4

END ABRUPT

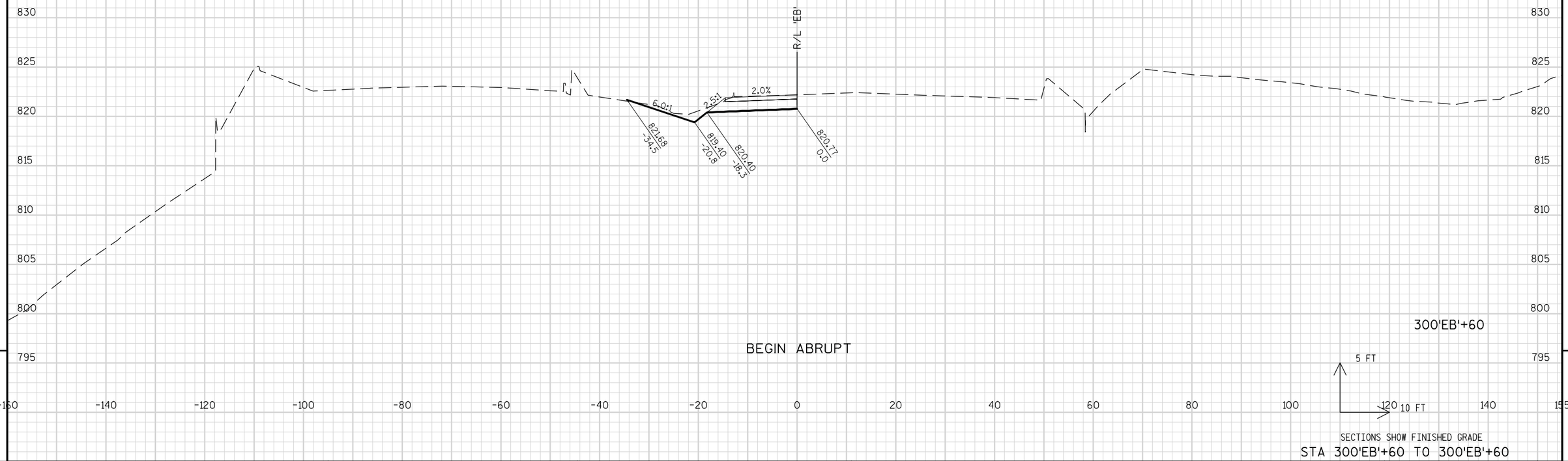


PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: STH 37	SHEET NO: 1223 E

FILE NAME : CH_0803_090207_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 3



BEGIN ABRUPT

SECTIONS SHOW FINISHED GRADE

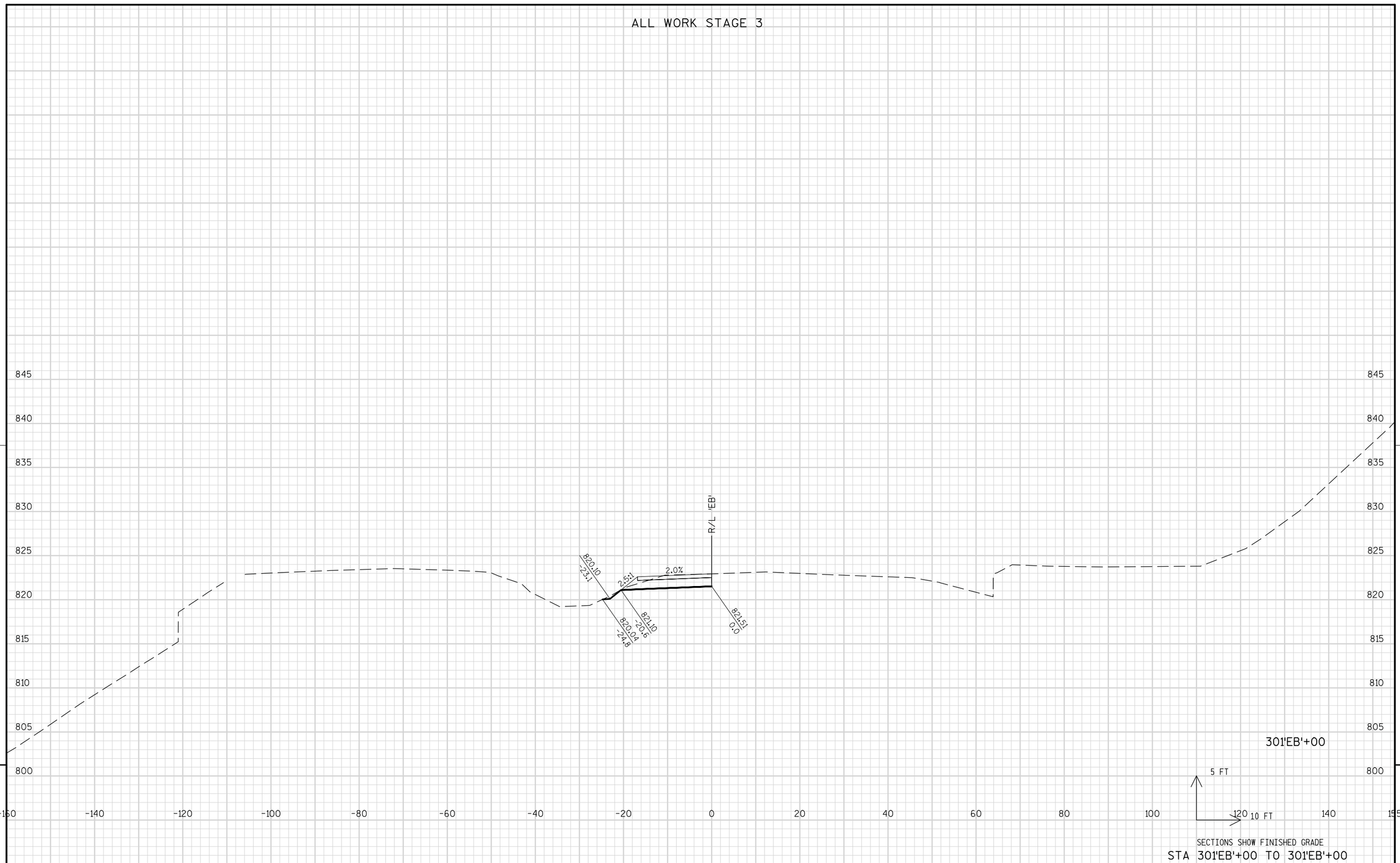
STA 300'EB'+60 TO 300'EB'+60

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 EB TEMPORARY WIDENING	SHEET NO: 1224	E

FILE NAME : CH_0803_090208_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 3



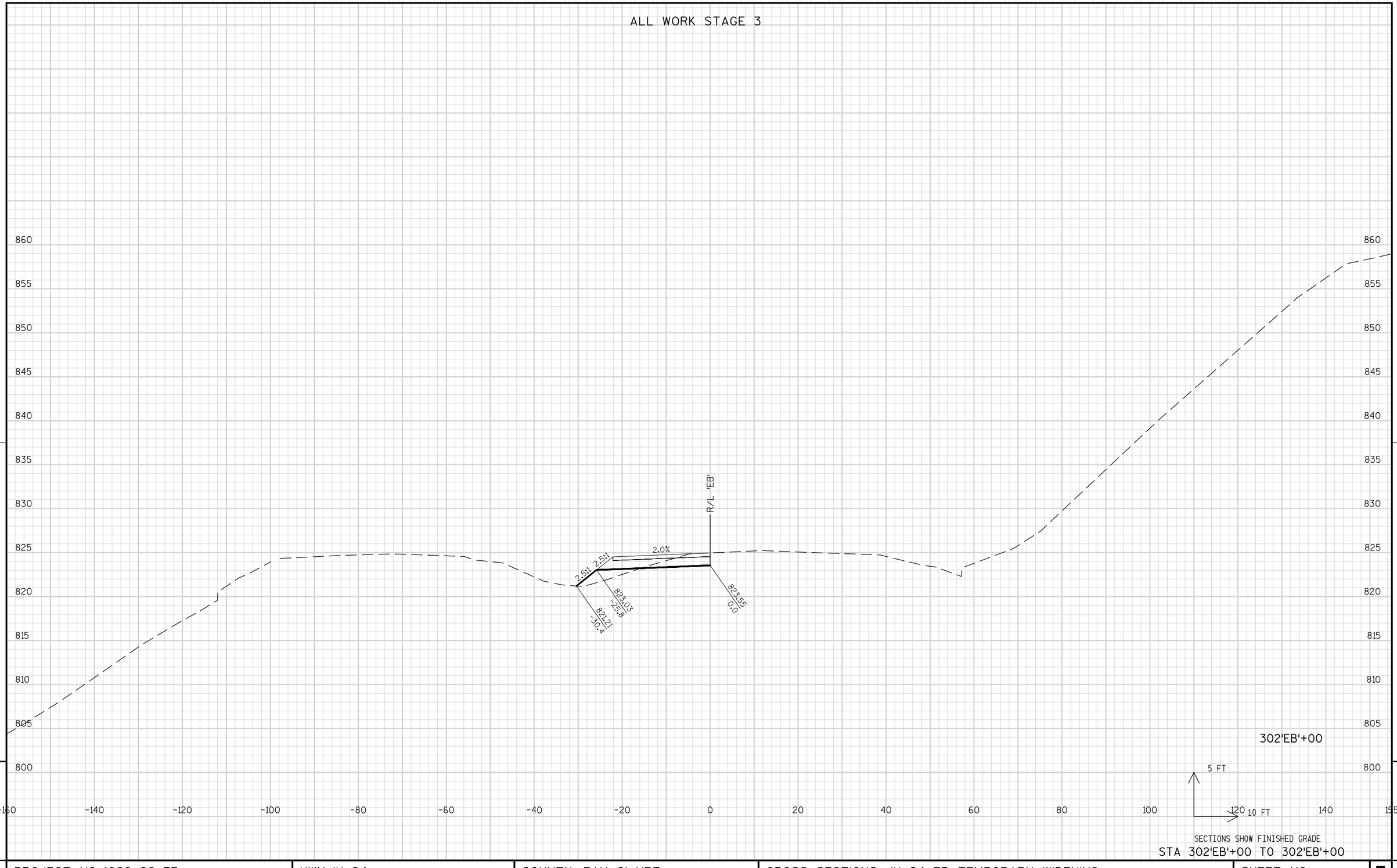
SECTIONS SHOW FINISHED GRADE

STA 301'EB'+00 TO 301'EB'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 EB TEMPORARY WIDENING	SHEET NO: 1225 E

FILE NAME : CH_0803_090208_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

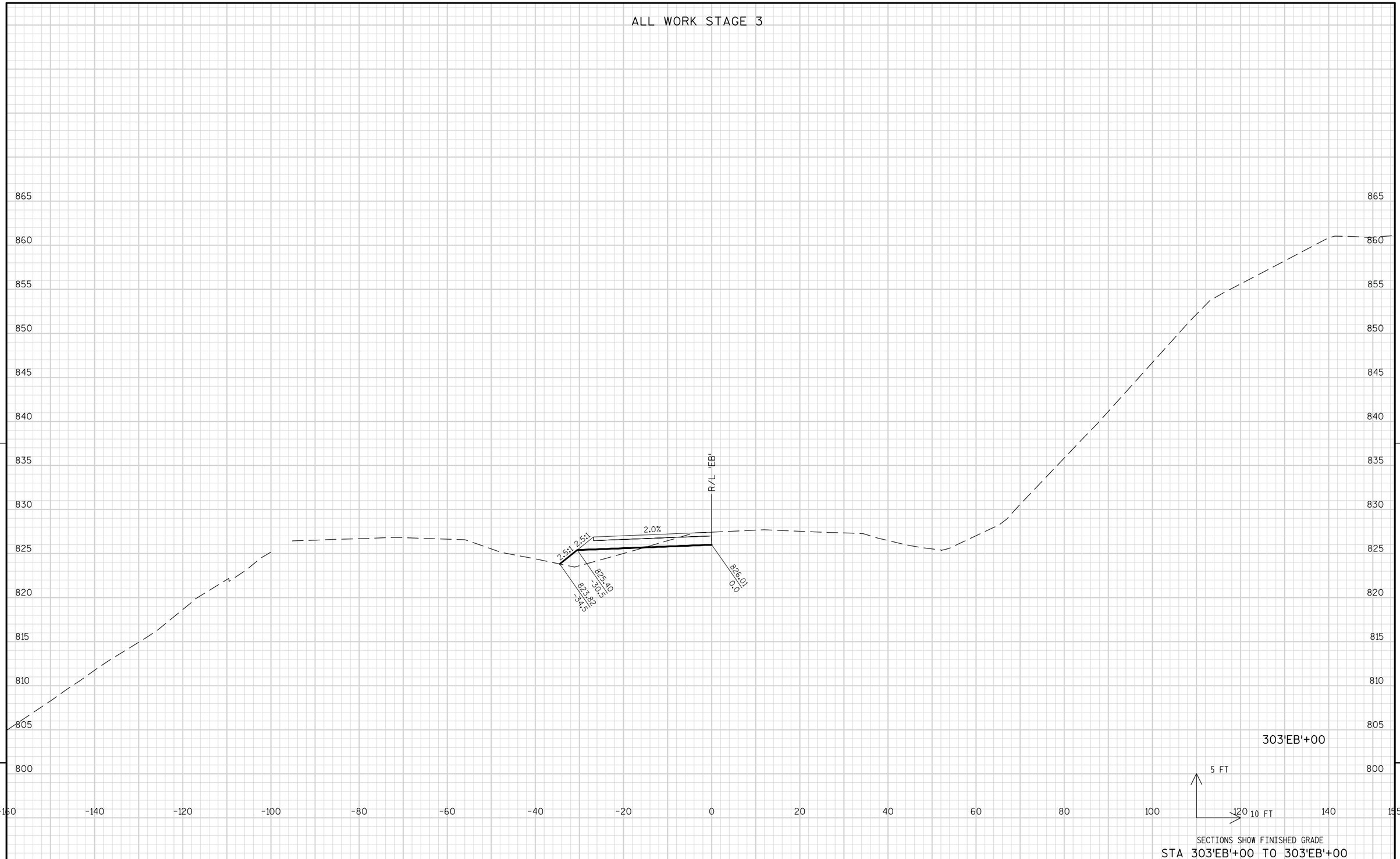
ALL WORK STAGE 3



9 9

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 EB TEMPORARY WIDENING	SHEET NO: 1226	E

ALL WORK STAGE 3



SECTIONS SHOW FINISHED GRADE

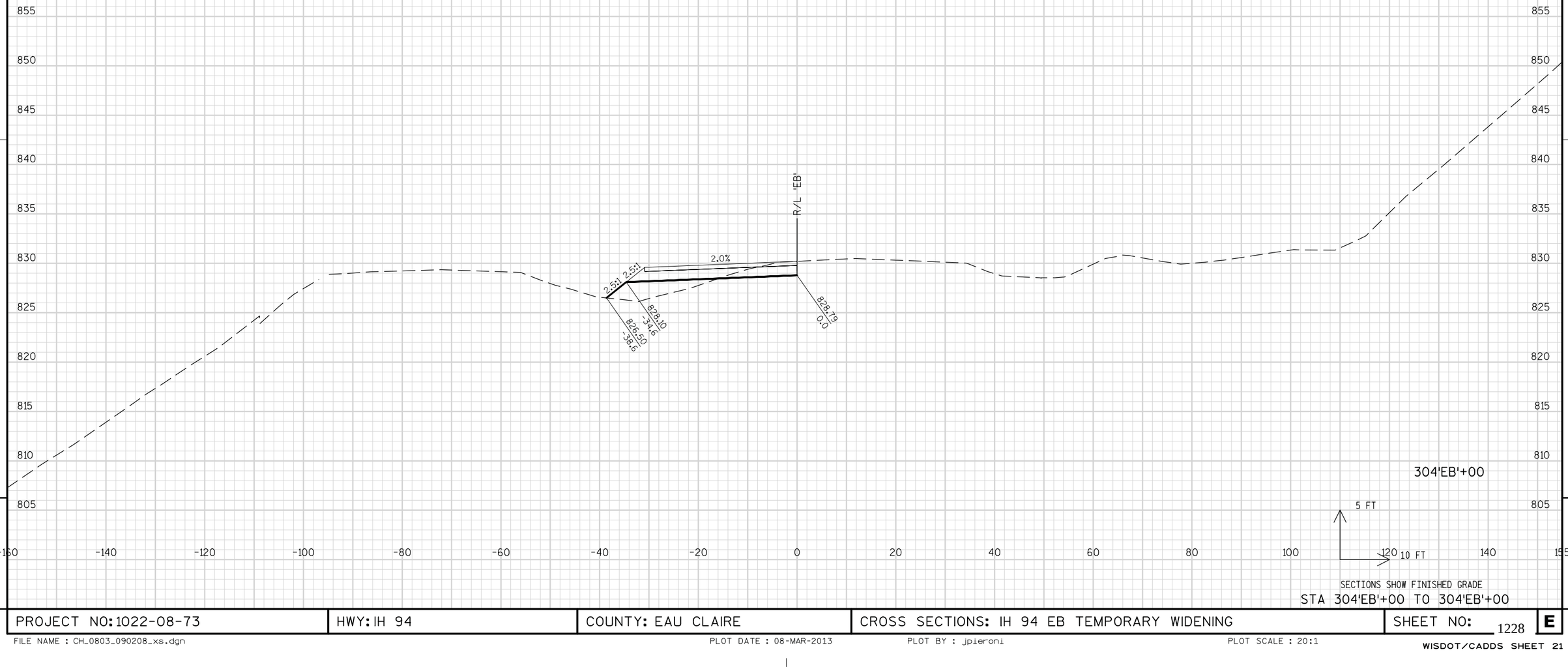
STA 303'EB'+00 TO 303'EB'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 EB TEMPORARY WIDENING	SHEET NO: 1227	E

FILE NAME : CH_0803_090208_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 3



SECTIONS SHOW FINISHED GRADE

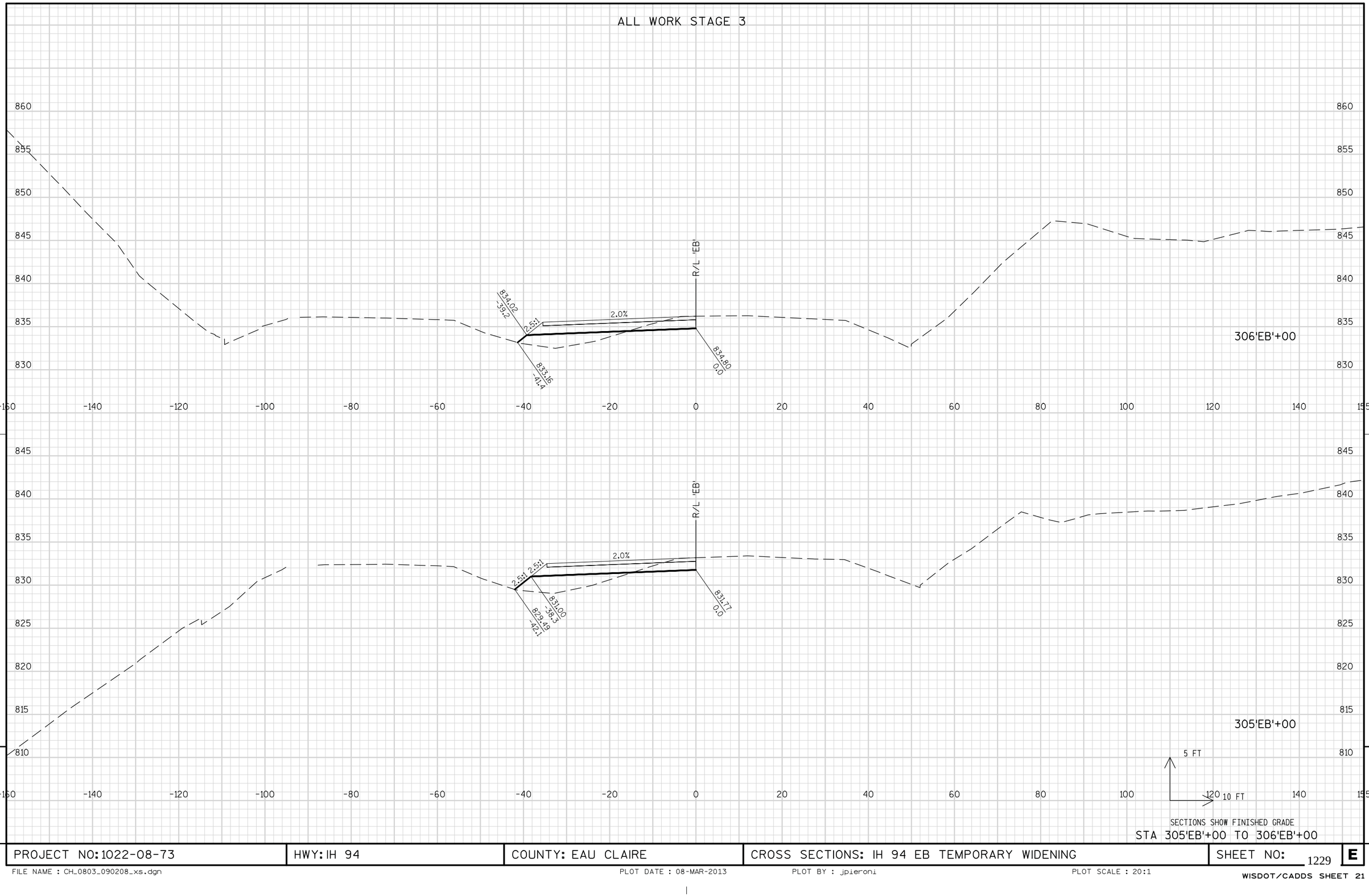
STA 304'EB'+00 TO 304'EB'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 EB TEMPORARY WIDENING	SHEET NO: 1228	E

FILE NAME : CH_0803_090208_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 3

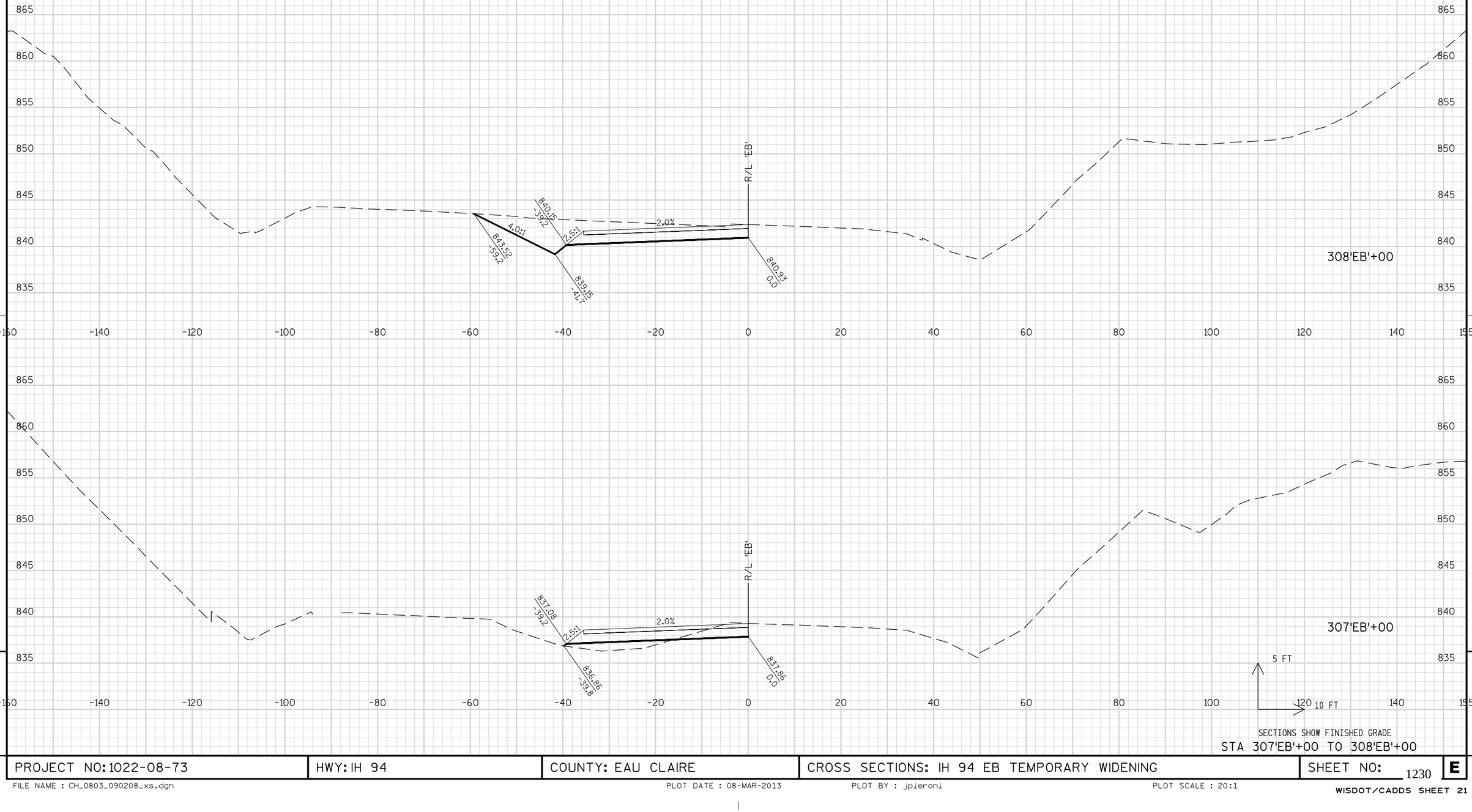


PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 EB TEMPORARY WIDENING	SHEET NO: 1229 E

FILE NAME : CH_0803_090208_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 3



SECTIONS SHOW FINISHED GRADE

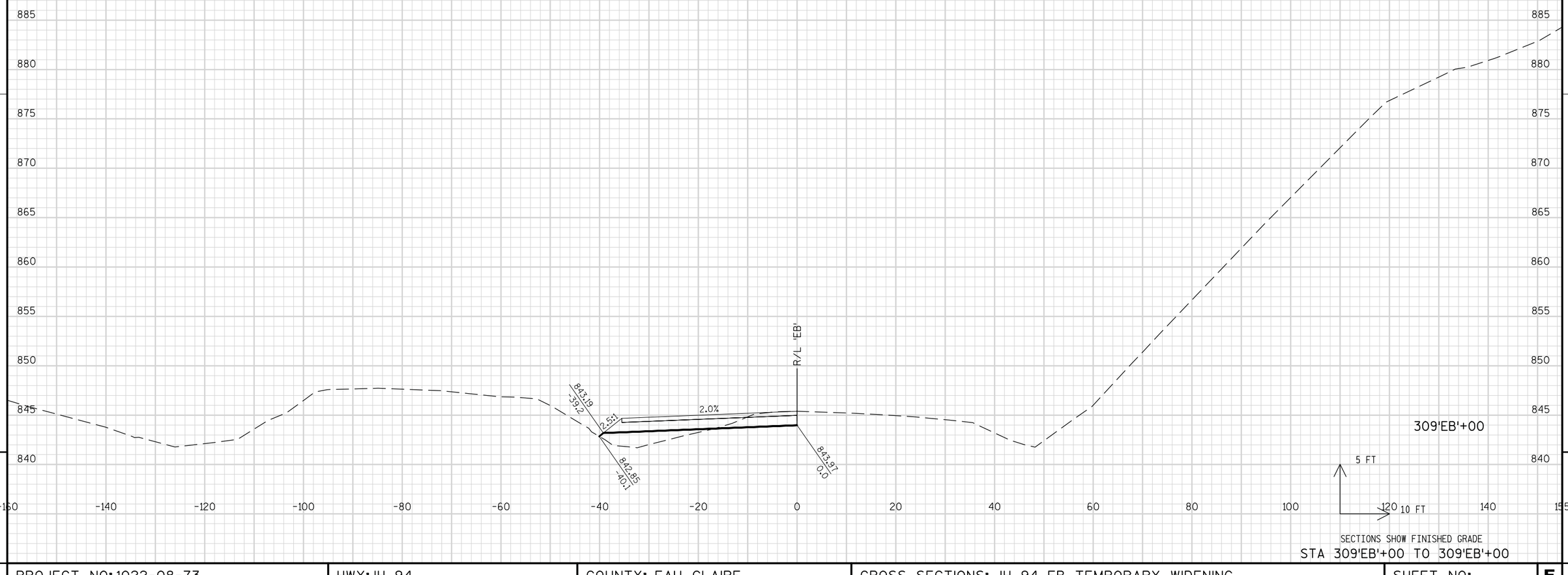
STA 307'EB'+00 TO 308'EB'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 EB TEMPORARY WIDENING	SHEET NO: 1230 E

FILE NAME : CH_0803_090208_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 3



SECTIONS SHOW FINISHED GRADE

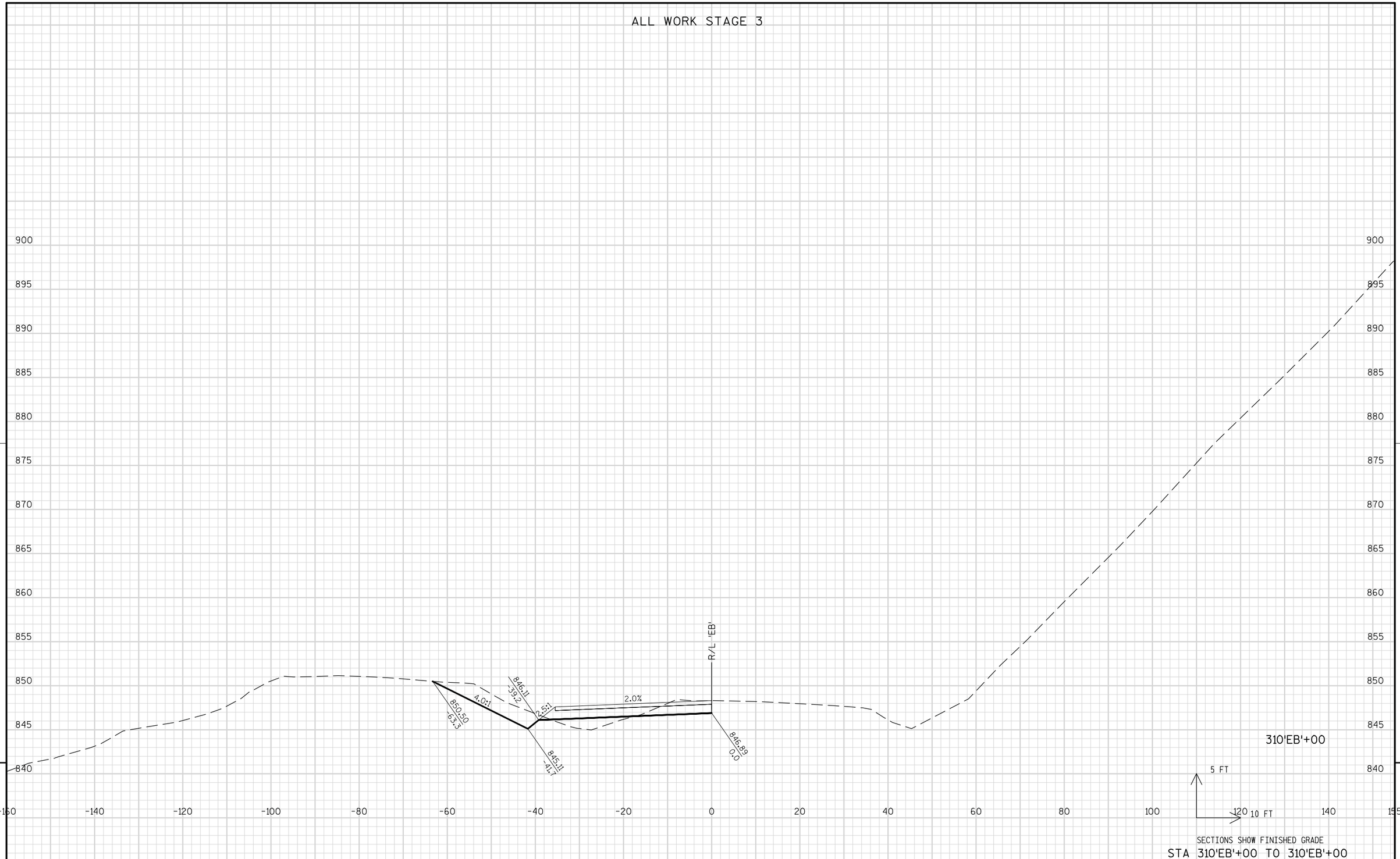
STA 309'EB'+00 TO 309'EB'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 EB TEMPORARY WIDENING	SHEET NO: 1231	E

FILE NAME : CH_0803_090208_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 3

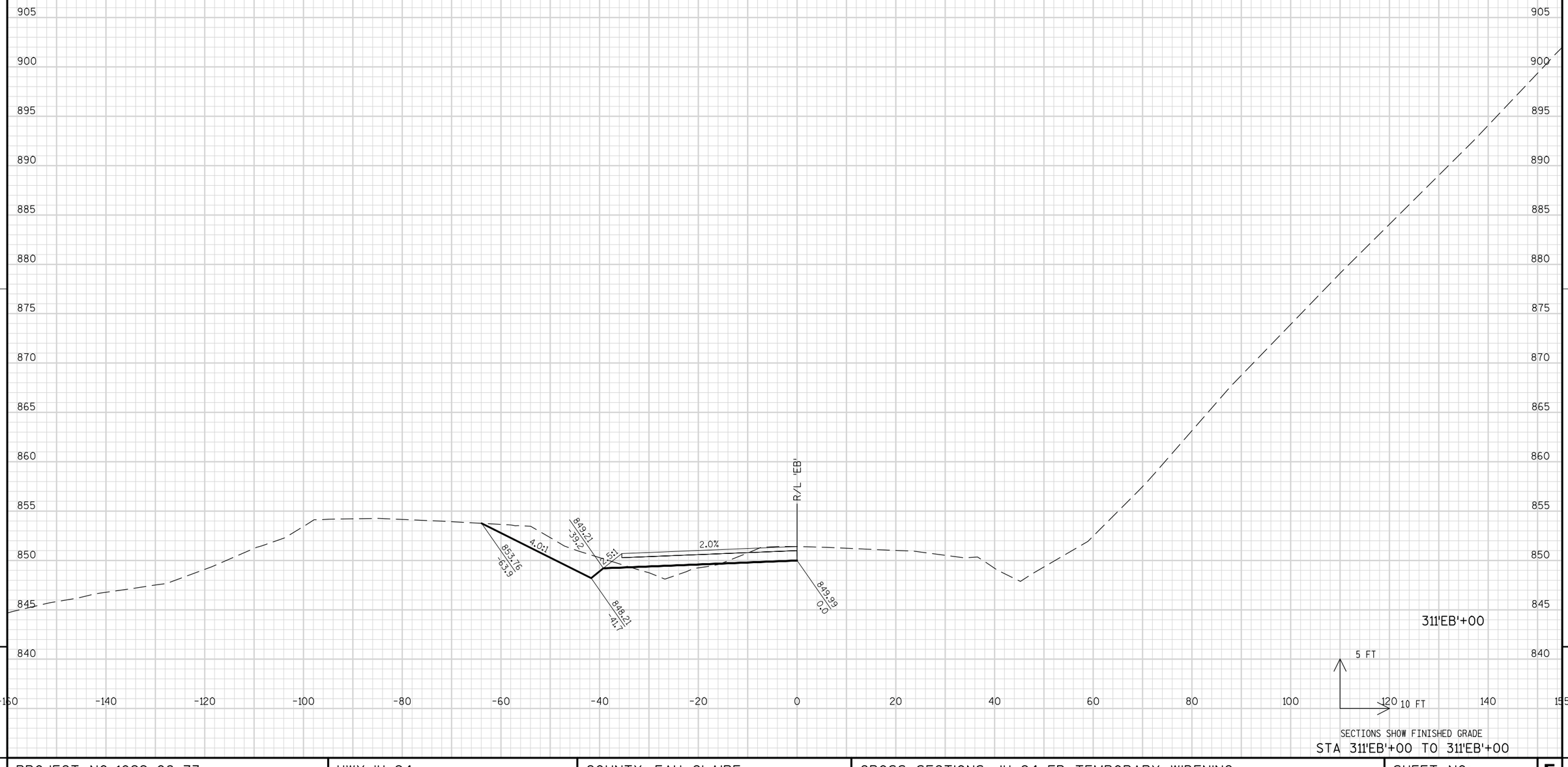


PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 EB TEMPORARY WIDENING	SHEET NO: 1232	E

FILE NAME : CH_0803_090208_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 3

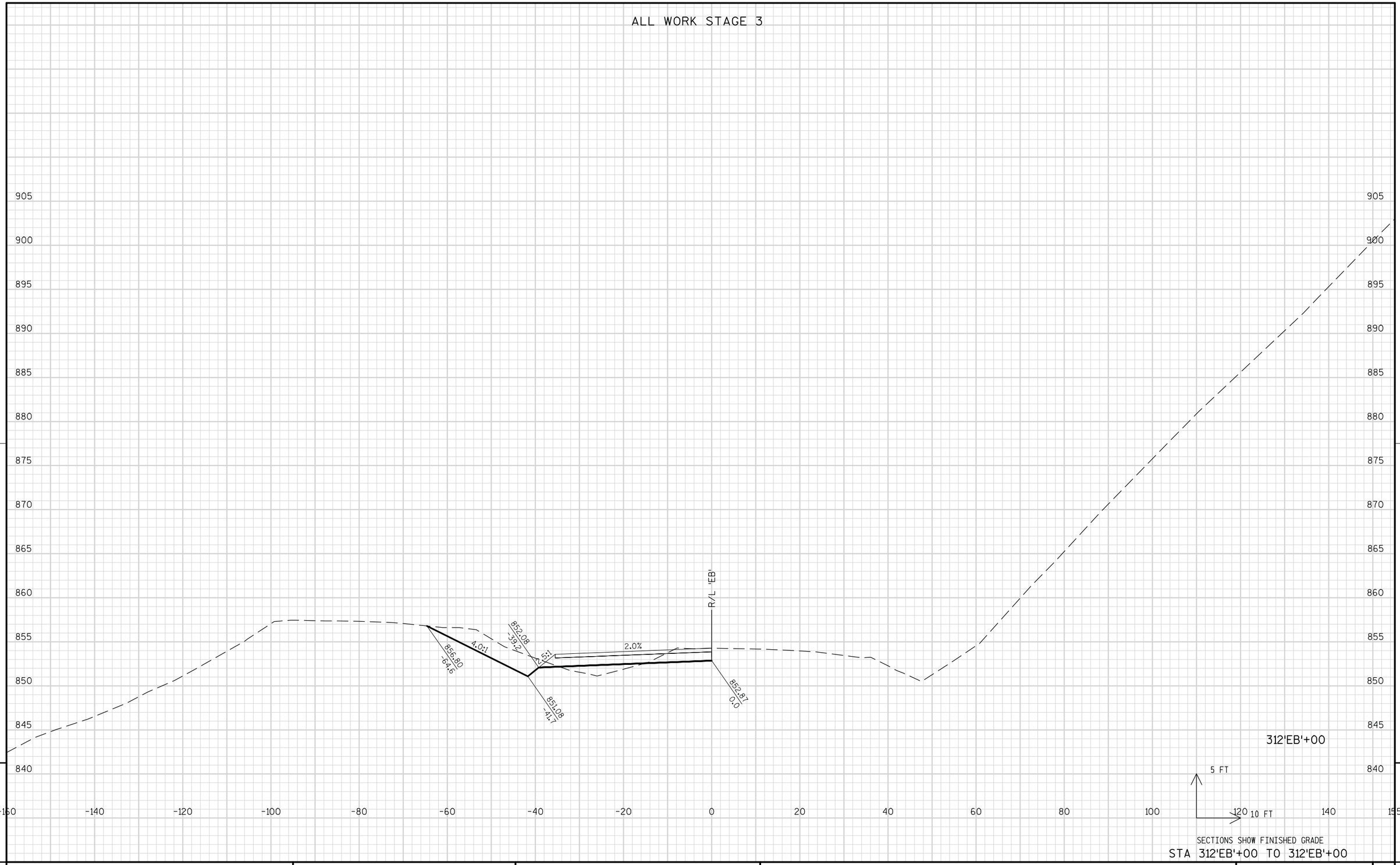


PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 EB TEMPORARY WIDENING	SHEET NO: 1233	E

FILE NAME : CH_0803_090208_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 3



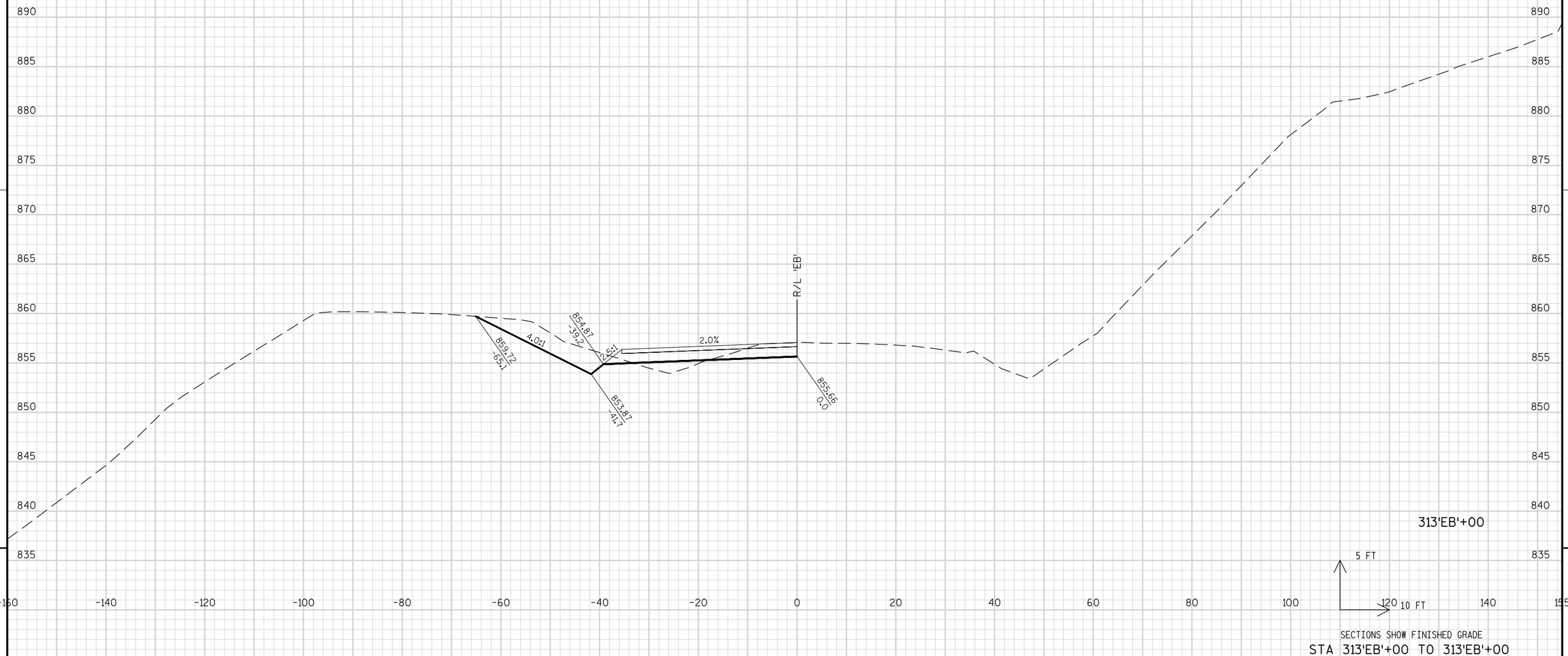
SECTIONS SHOW FINISHED GRADE

STA 312'EB'+00 TO 312'EB'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 EB TEMPORARY WIDENING	SHEET NO: 1234 E

FILE NAME : CH_0803_090208_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

ALL WORK STAGE 3

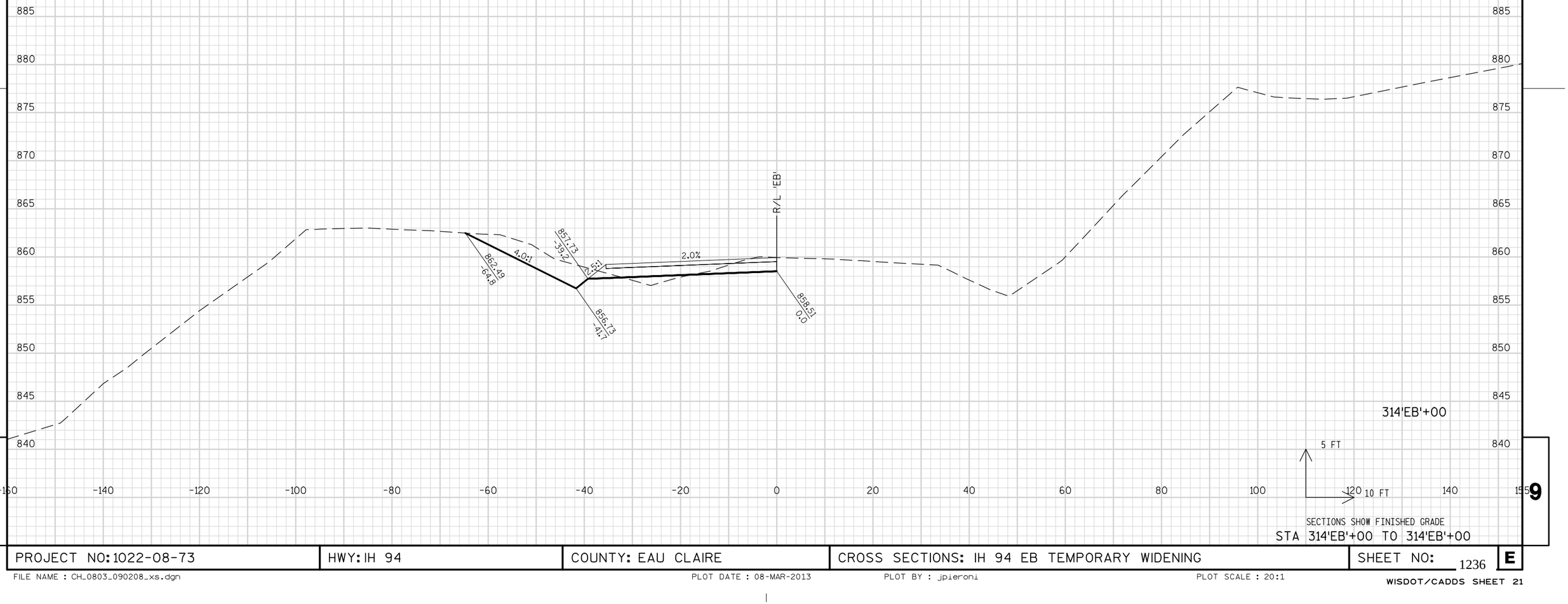


PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 EB TEMPORARY WIDENING	SHEET NO: 1235 E

FILE NAME : CH_0803_090208_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 3



SECTIONS SHOW FINISHED GRADE

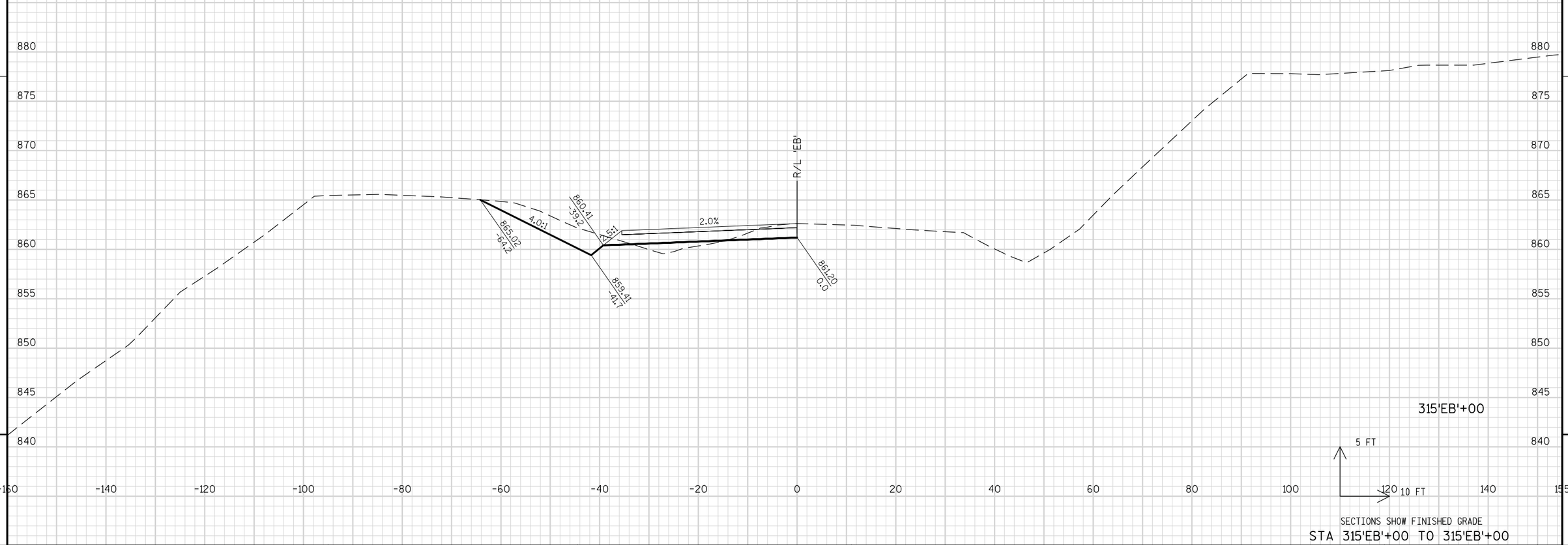
STA 314'EB'+00 TO 314'EB'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 EB TEMPORARY WIDENING	SHEET NO: 1236 E

FILE NAME : CH_0803_090208_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 3

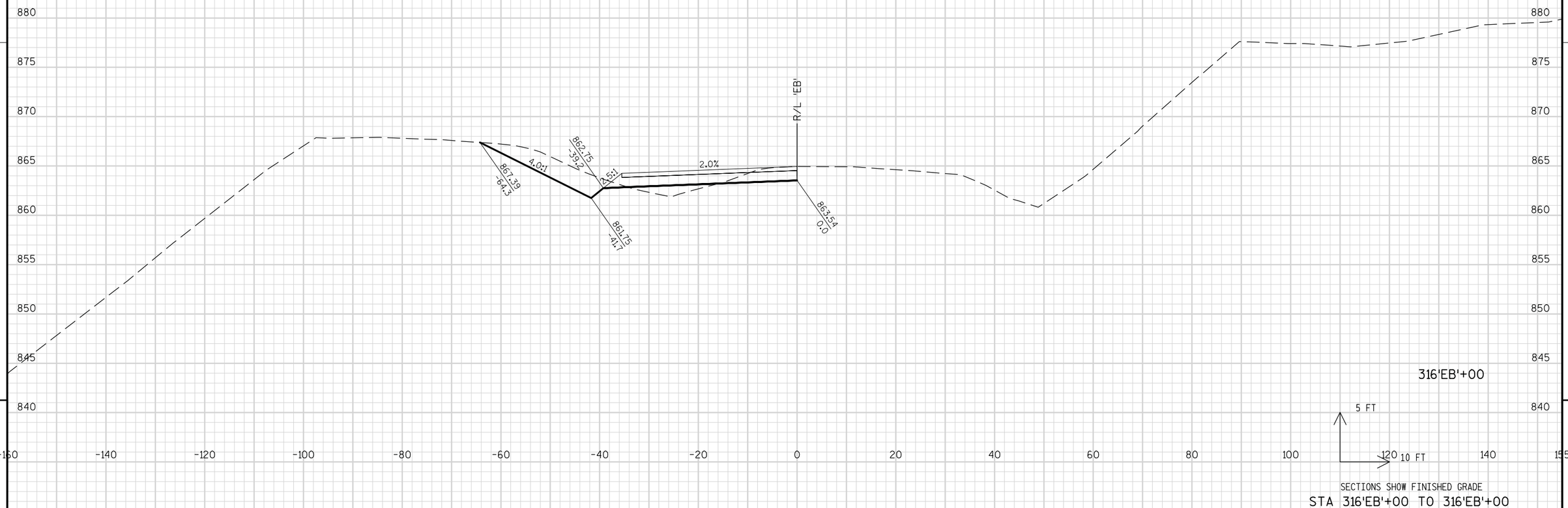


PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 EB TEMPORARY WIDENING	SHEET NO: 1237	E

FILE NAME : CH_0803_090208_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 3

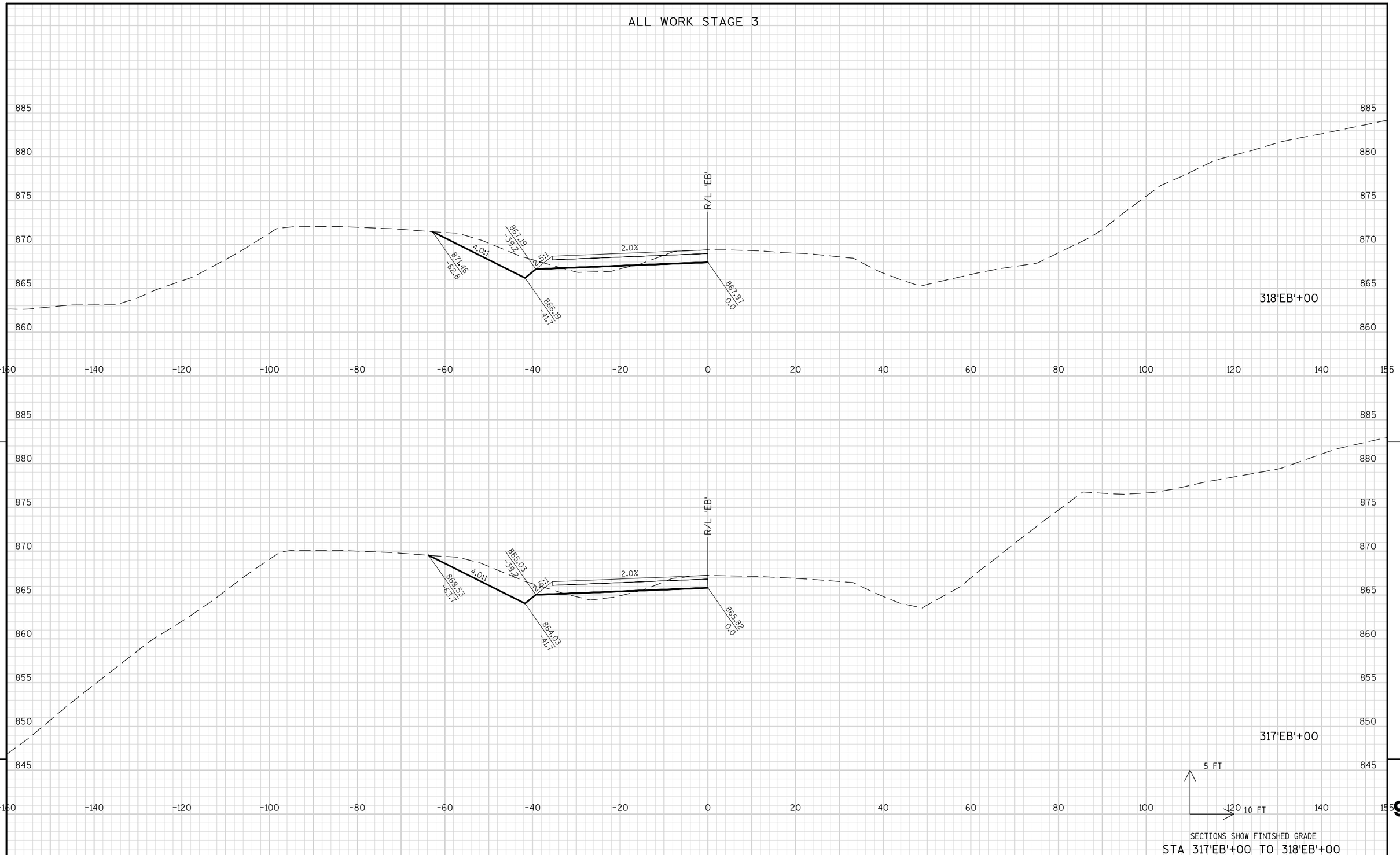


PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 EB TEMPORARY WIDENING	SHEET NO: 1238	E

FILE NAME : CH_0803_090208_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 3



SECTIONS SHOW FINISHED GRADE

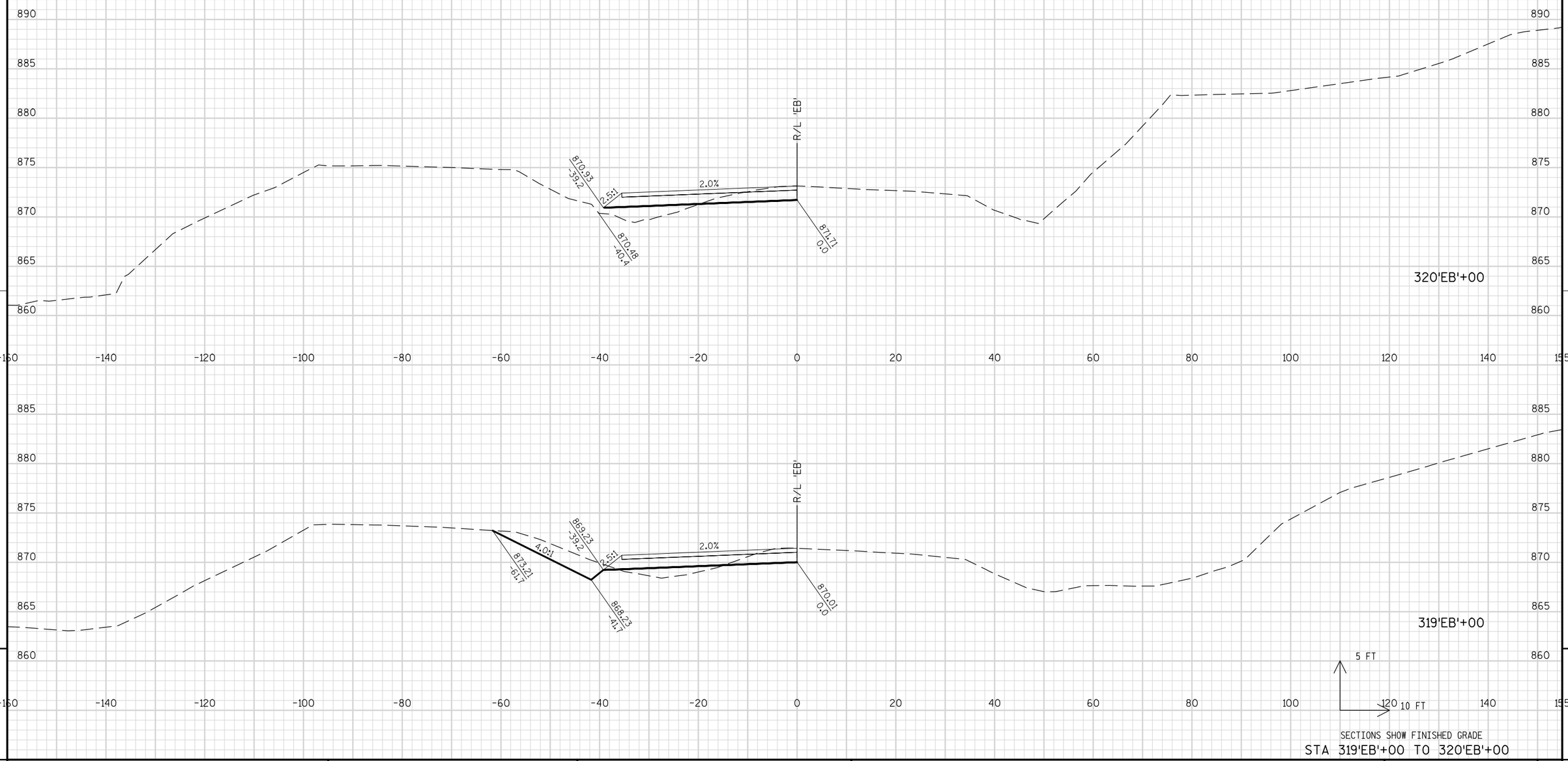
STA 317'EB'+00 TO 318'EB'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 EB TEMPORARY WIDENING	SHEET NO: 1239	E

FILE NAME : CH_0803_090208_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 3



SECTIONS SHOW FINISHED GRADE

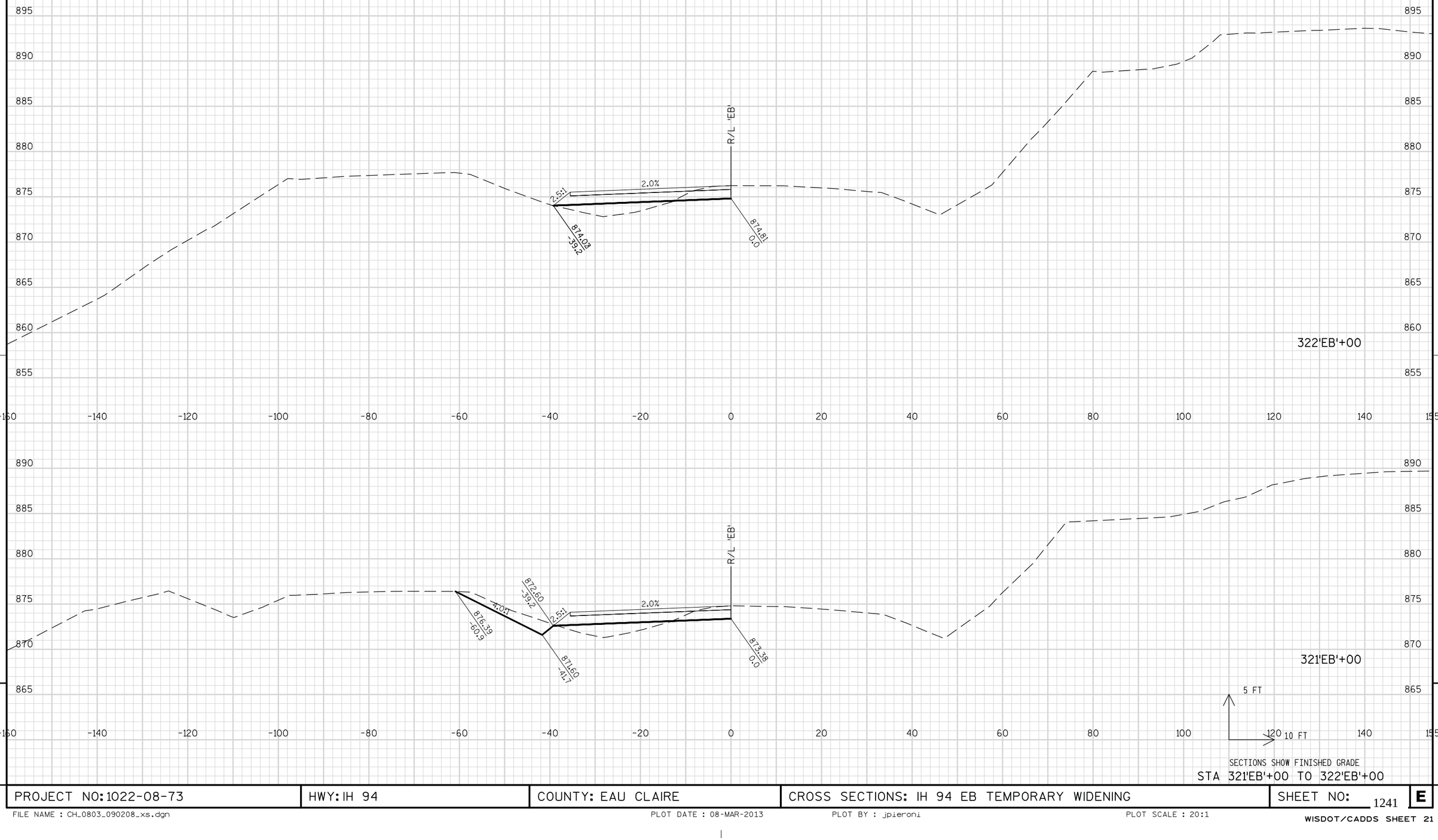
STA 319'EB'+00 TO 320'EB'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 EB TEMPORARY WIDENING	SHEET NO: 1240 E

FILE NAME : CH_0803_090208_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 3

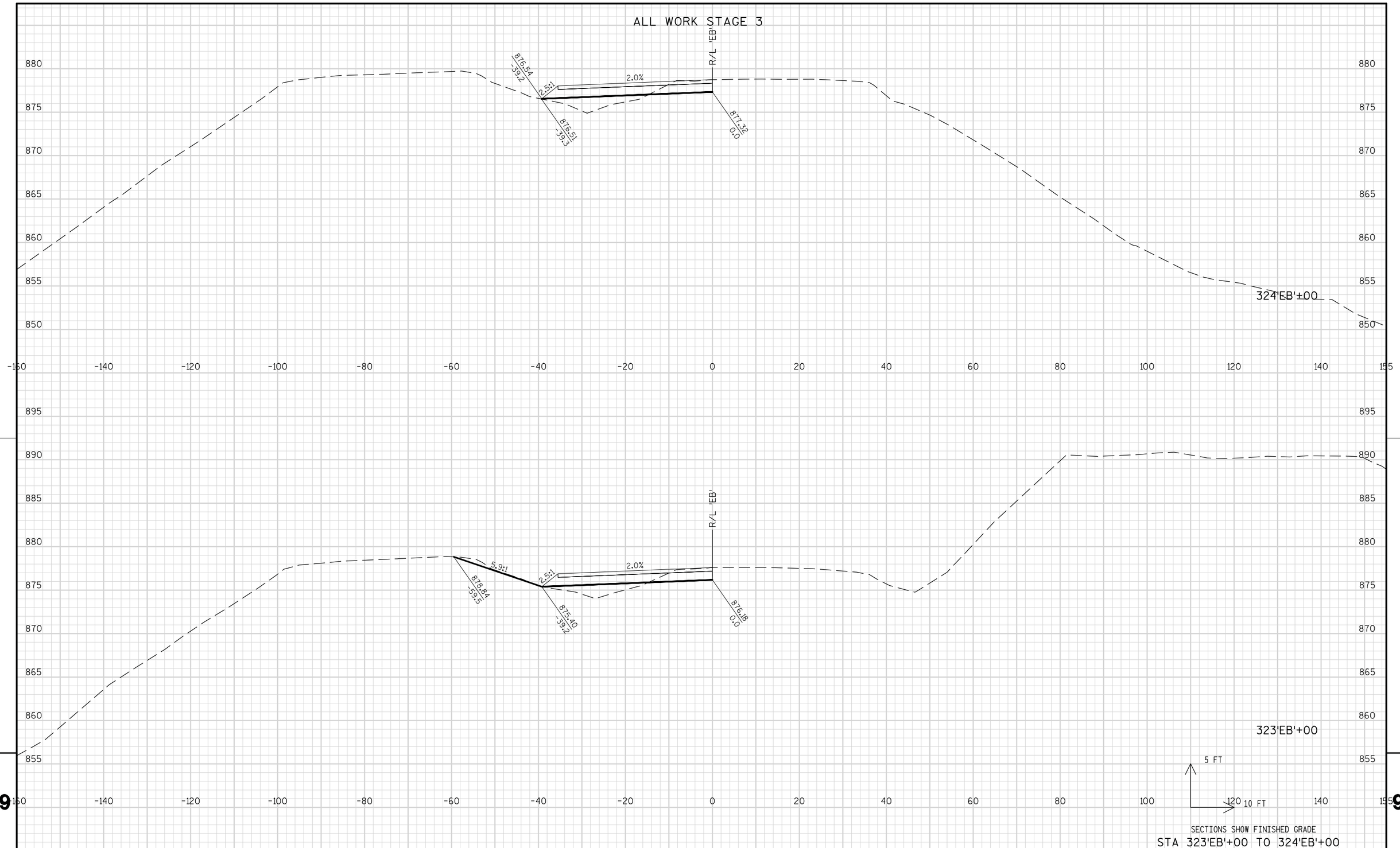


SECTIONS SHOW FINISHED GRADE

STA 321'EB'+00 TO 322'EB'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 EB TEMPORARY WIDENING	SHEET NO: 1241 E

ALL WORK STAGE 3



SECTIONS SHOW FINISHED GRADE

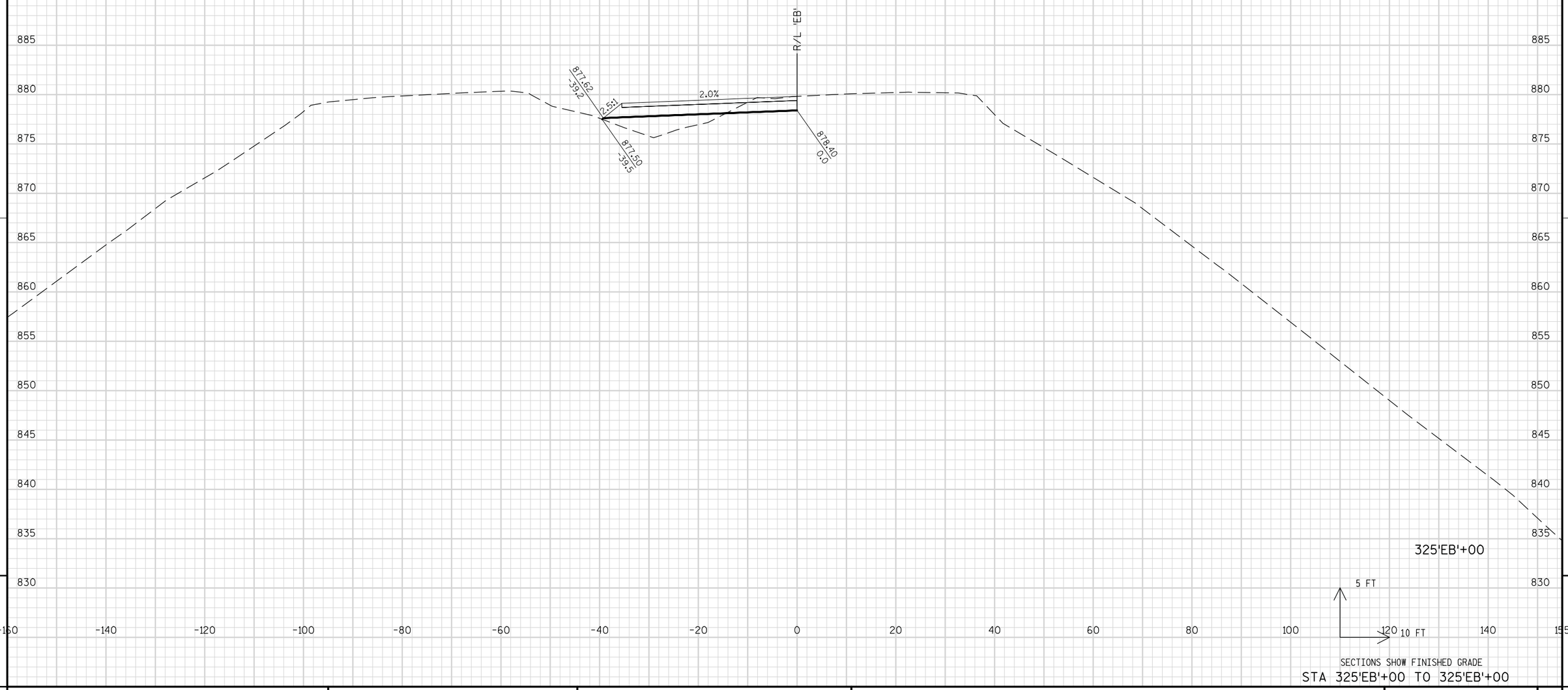
STA 323'EB'+00 TO 324'EB'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 EB TEMPORARY WIDENING	SHEET NO: 1242	E

FILE NAME : CH_0803_090208_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 3

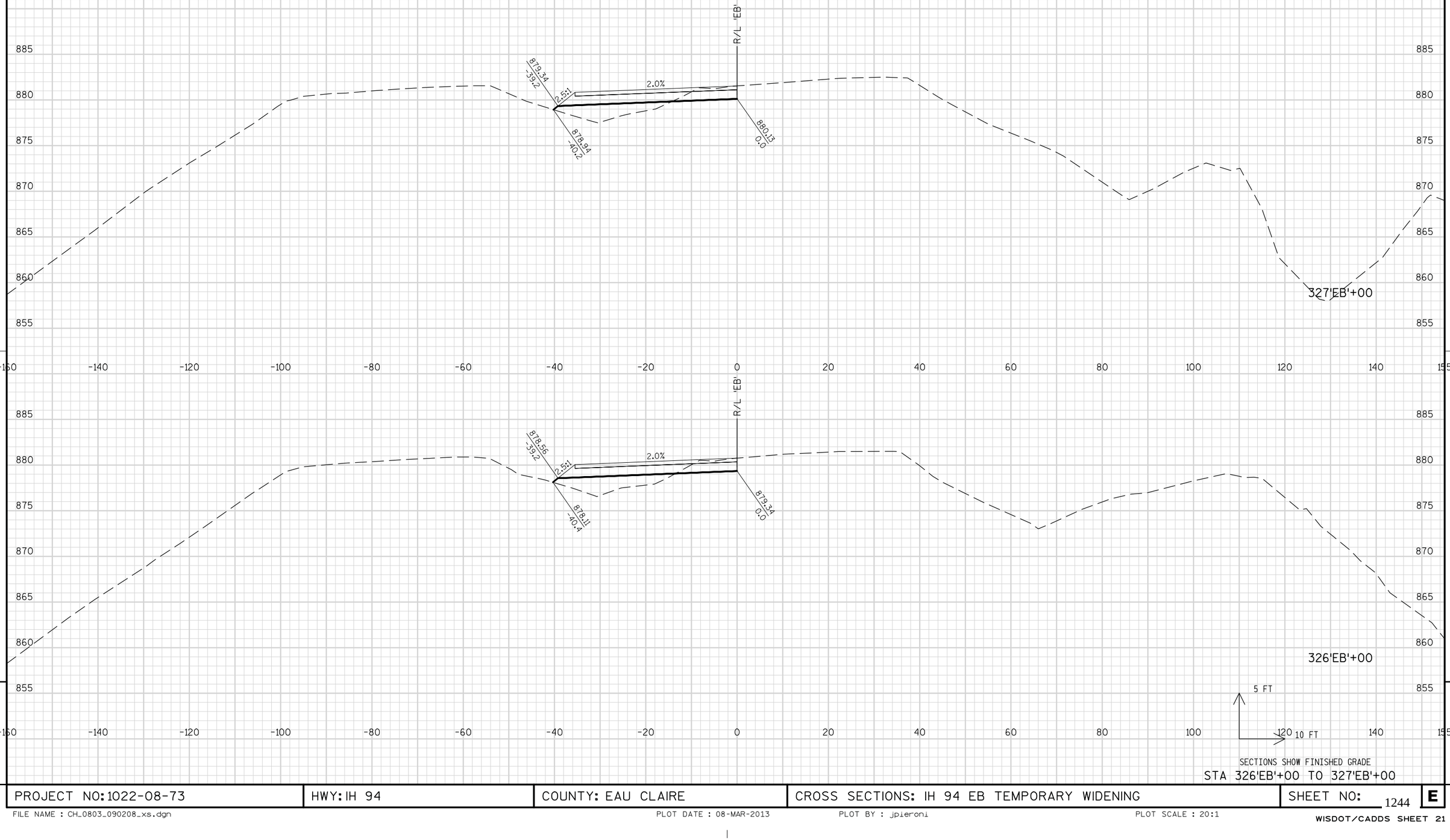


SECTIONS SHOW FINISHED GRADE

STA 325'EB'+00 TO 325'EB'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 EB TEMPORARY WIDENING	SHEET NO: 1243 E

ALL WORK STAGE 3



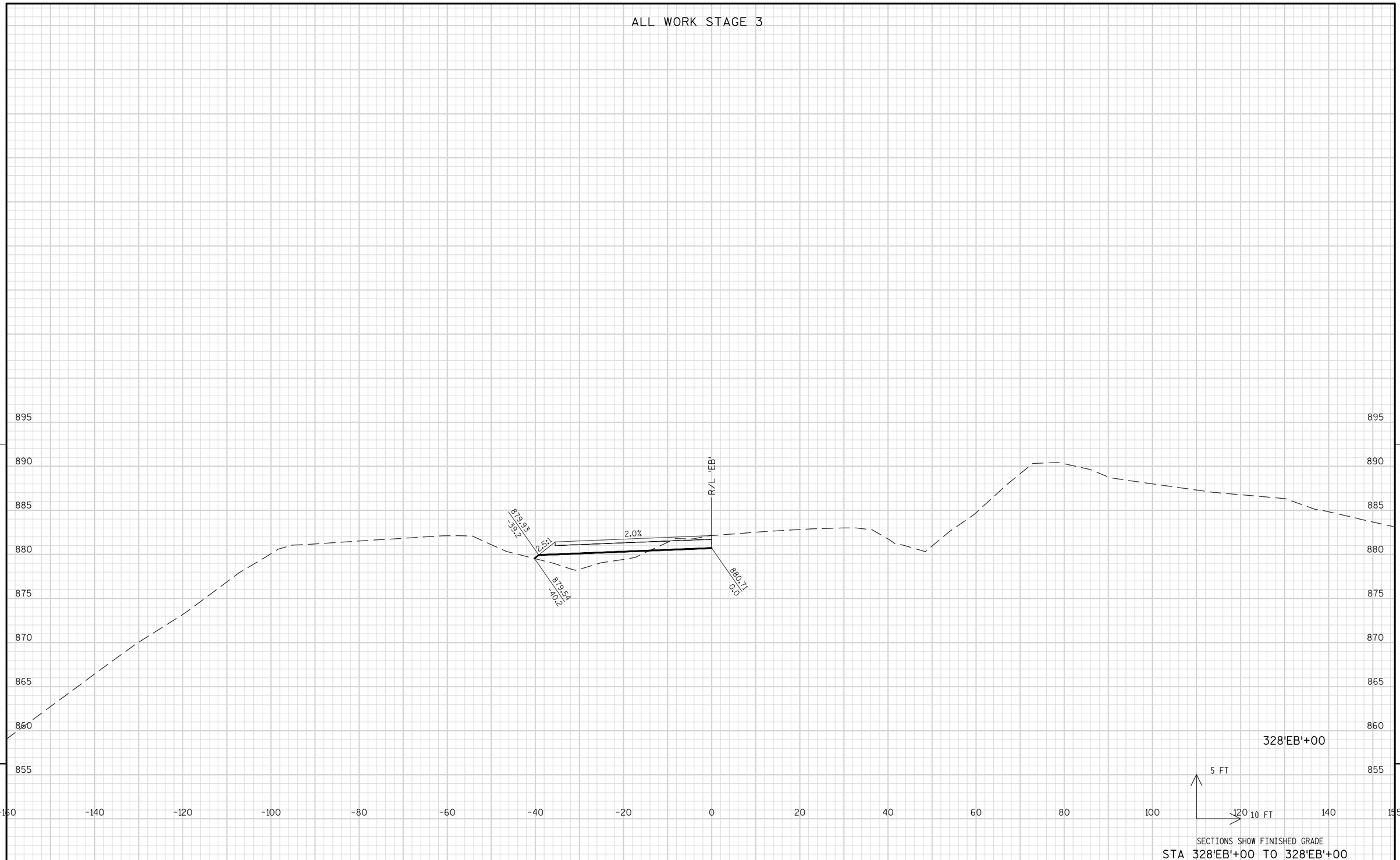
SECTIONS SHOW FINISHED GRADE

STA 326'EB'+00 TO 327'EB'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 EB TEMPORARY WIDENING	SHEET NO: 1244 E

FILE NAME : CH_0803_090208_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

ALL WORK STAGE 3

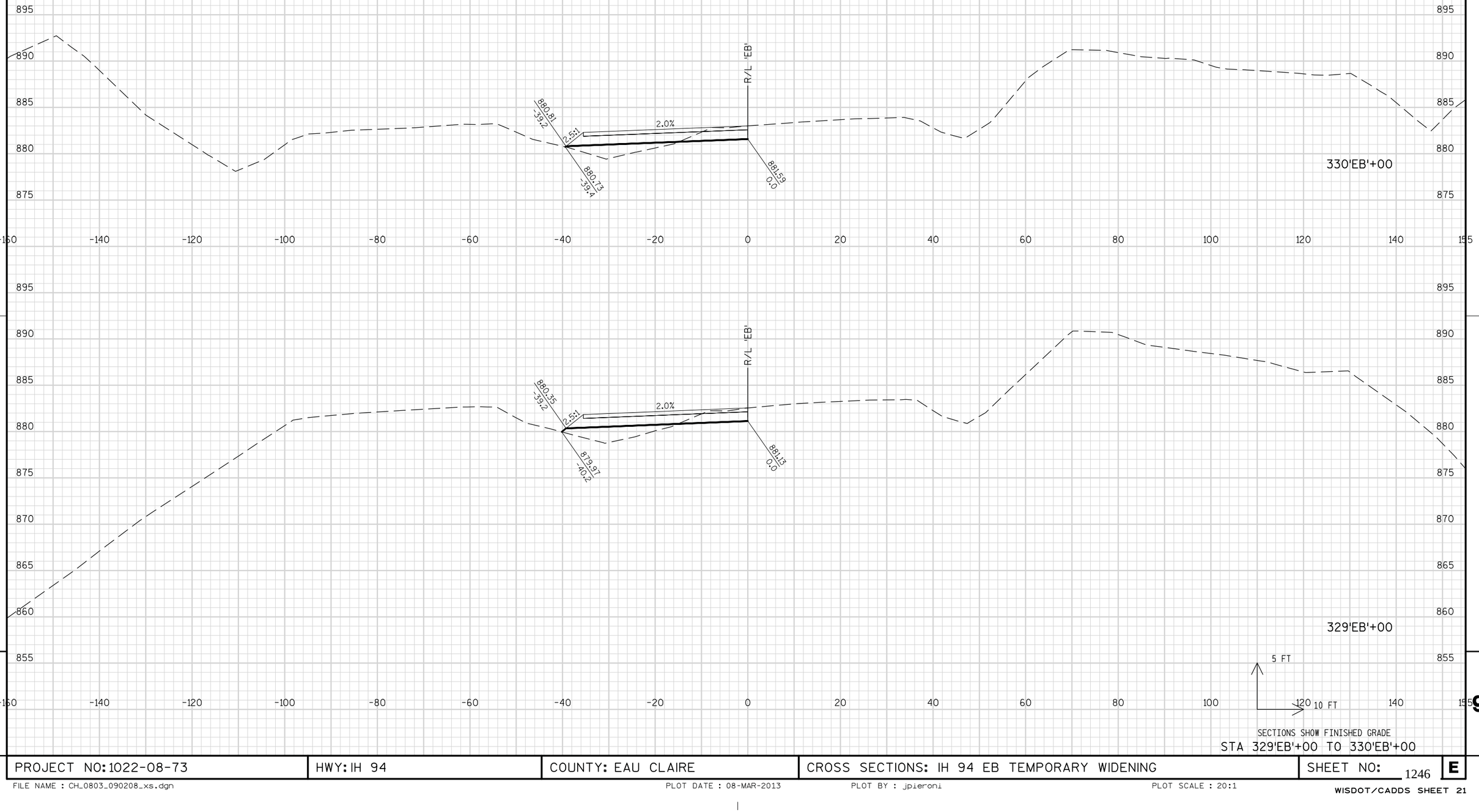


SECTIONS SHOW FINISHED GRADE

STA 328'EB'+00 TO 328'EB'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 EB TEMPORARY WIDENING	SHEET NO: 1245	E

ALL WORK STAGE 3



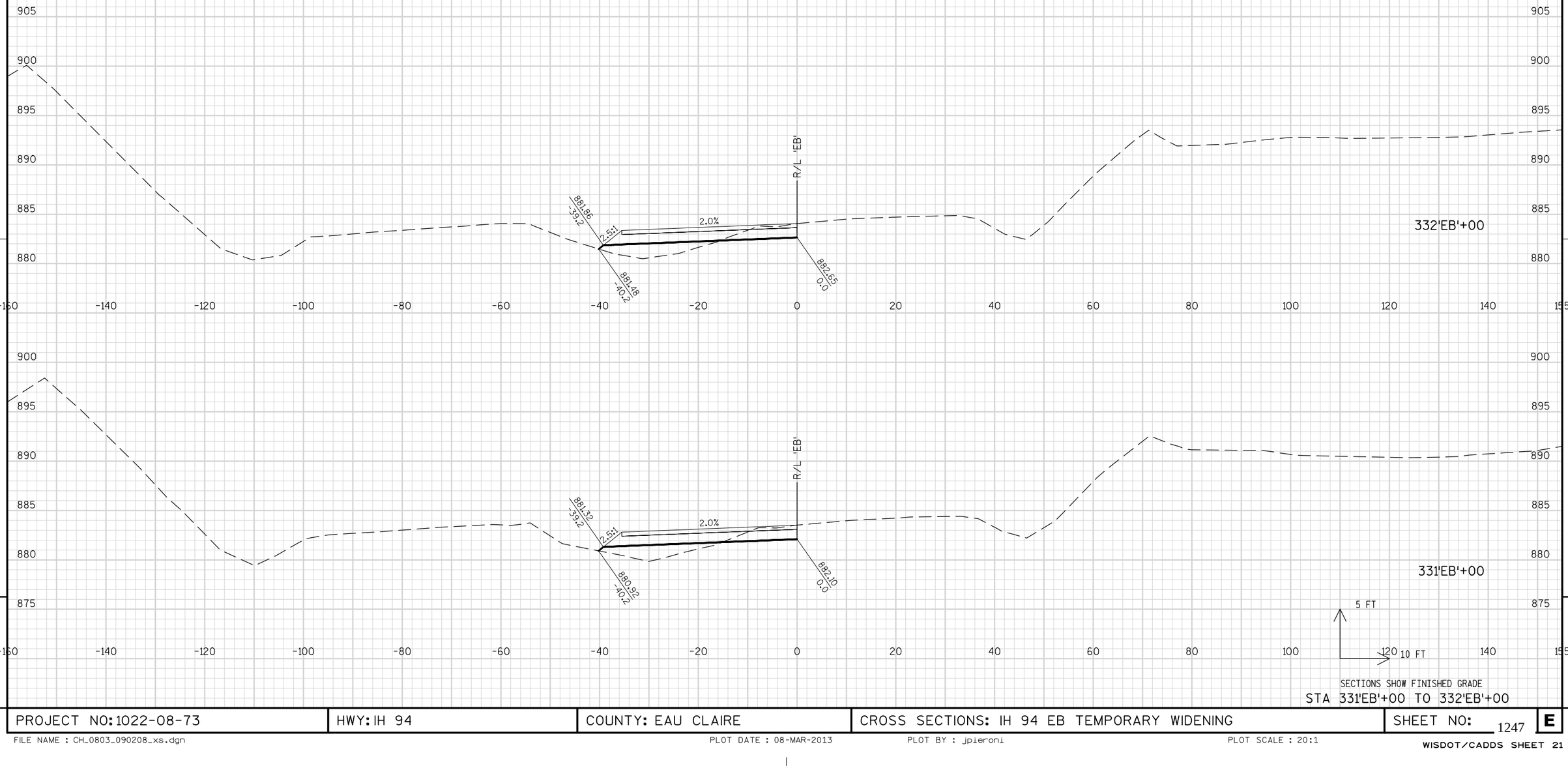
STA 329'EB'+00 TO 330'EB'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 EB TEMPORARY WIDENING	SHEET NO: 1246 E

FILE NAME : CH_0803_090208_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 3



SECTIONS SHOW FINISHED GRADE

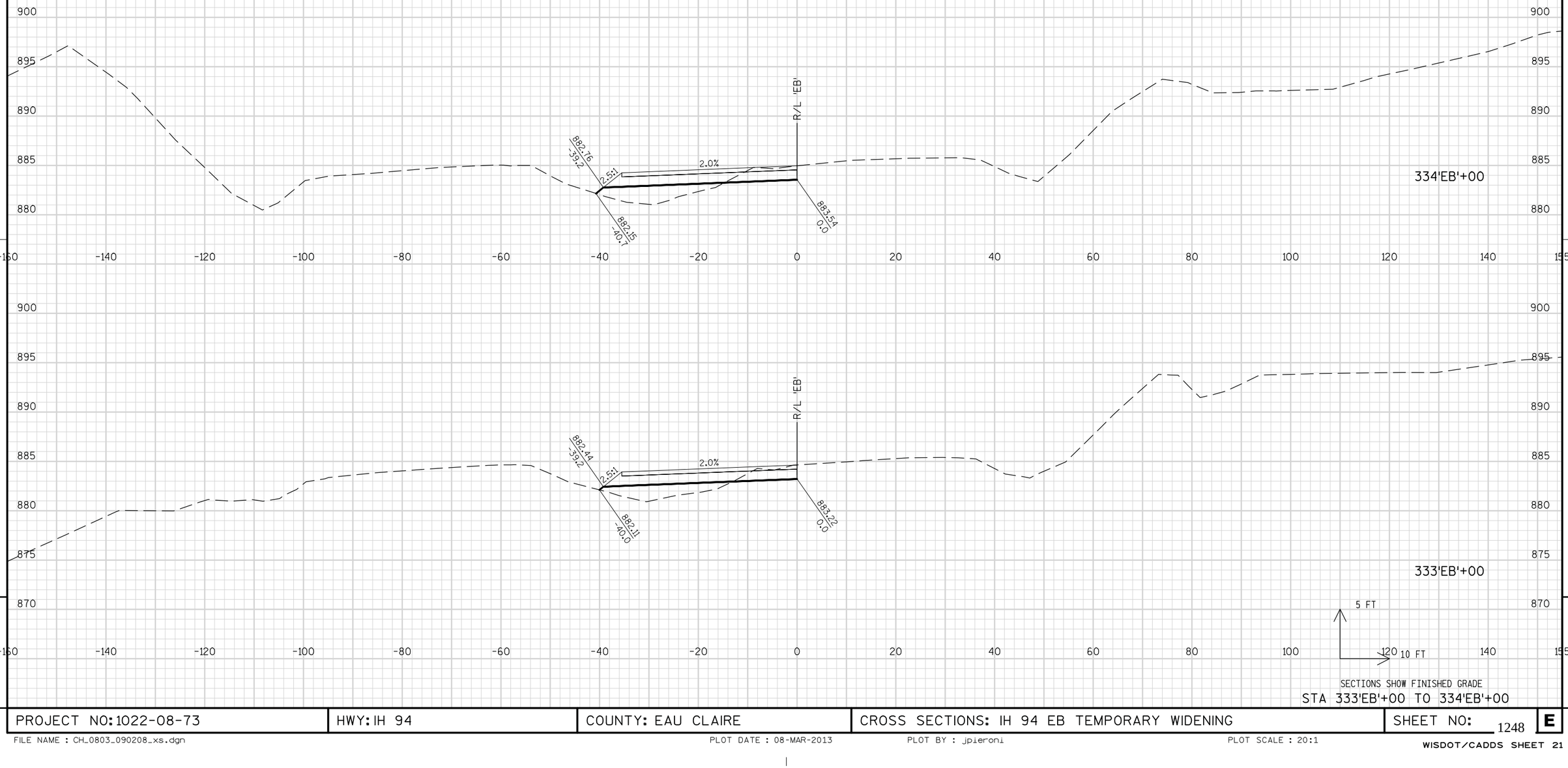
STA 331'EB'+00 TO 332'EB'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 EB TEMPORARY WIDENING	SHEET NO: 1247	E

FILE NAME : CH_0803_090208_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 3



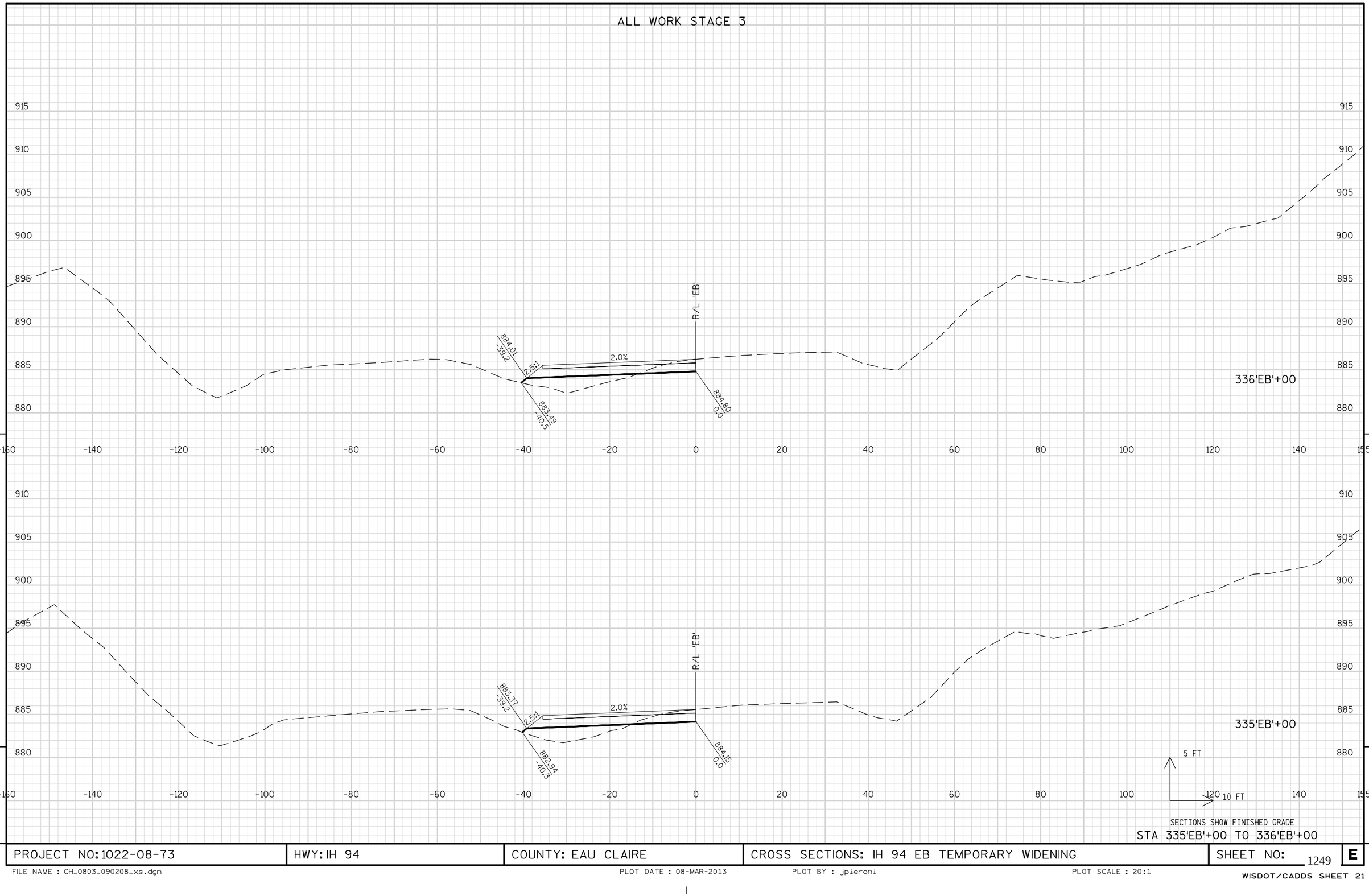
SECTIONS SHOW FINISHED GRADE

STA 333'EB'+00 TO 334'EB'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 EB TEMPORARY WIDENING	SHEET NO: 1248 E

FILE NAME : CH_0803_090208_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

ALL WORK STAGE 3



SECTIONS SHOW FINISHED GRADE

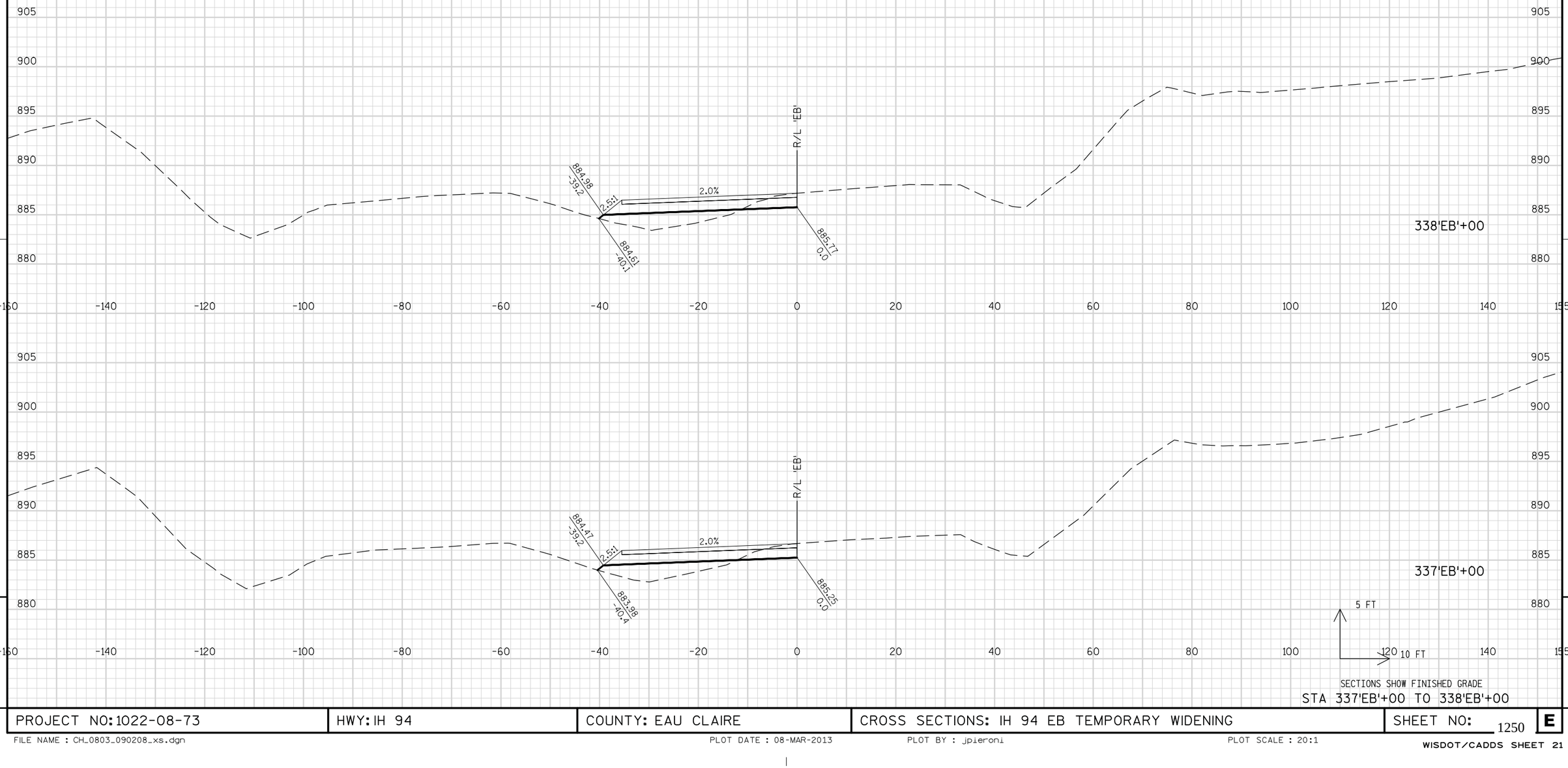
STA 335'EB'+00 TO 336'EB'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 EB TEMPORARY WIDENING	SHEET NO: 1249 E

FILE NAME : CH_0803_090208_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 3



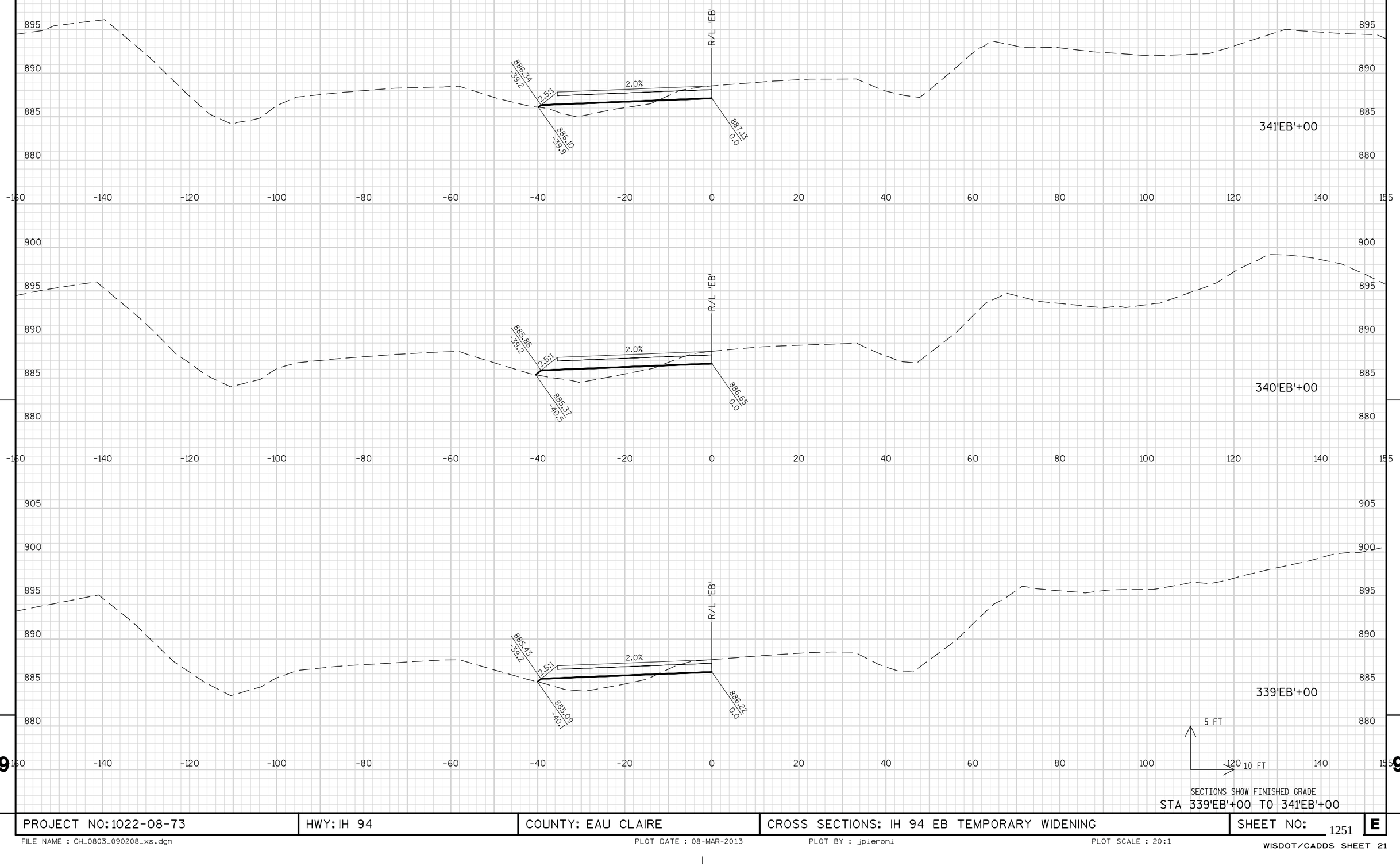
SECTIONS SHOW FINISHED GRADE

STA 337'EB'+00 TO 338'EB'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 EB TEMPORARY WIDENING	SHEET NO: 1250 E

FILE NAME : CH_0803_090208_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

ALL WORK STAGE 3

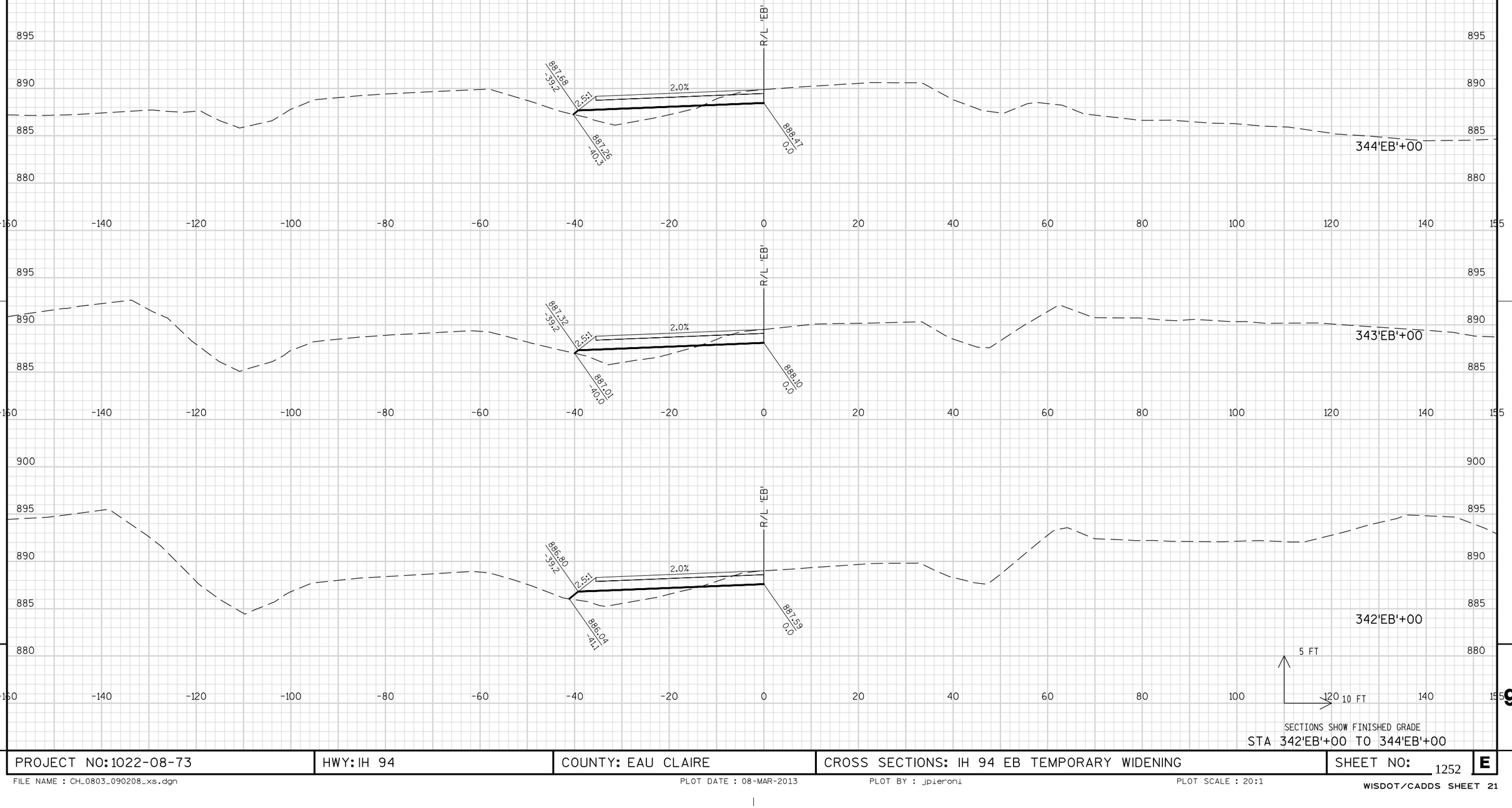


SECTIONS SHOW FINISHED GRADE

STA 339'EB'+00 TO 341'EB'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 EB TEMPORARY WIDENING	SHEET NO: 1251 E

ALL WORK STAGE 3



SECTIONS SHOW FINISHED GRADE

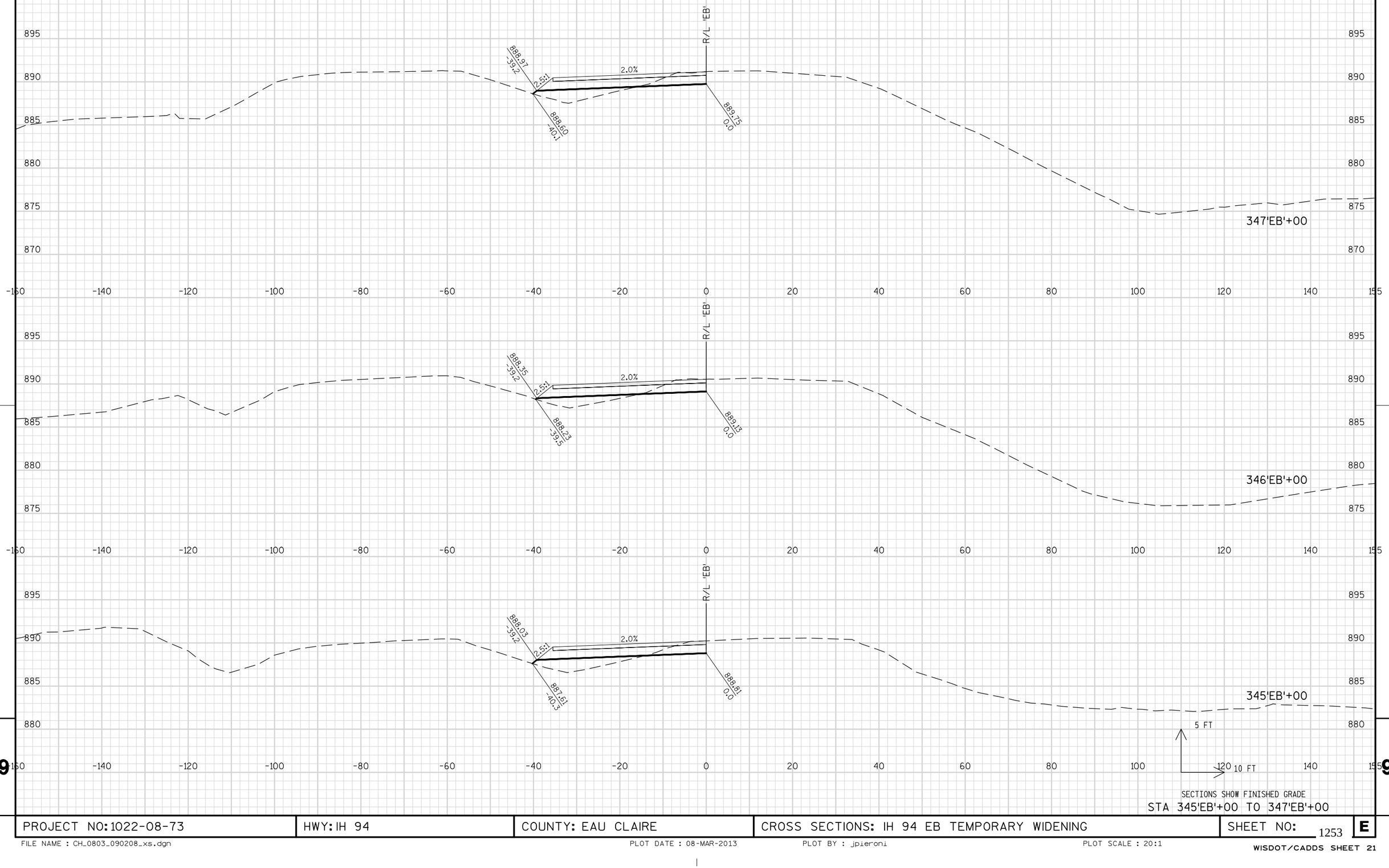
STA 342'EB'+00 TO 344'EB'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 EB TEMPORARY WIDENING	SHEET NO: 1252	E

FILE NAME : CH_0803_090208_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 3



SECTIONS SHOW FINISHED GRADE

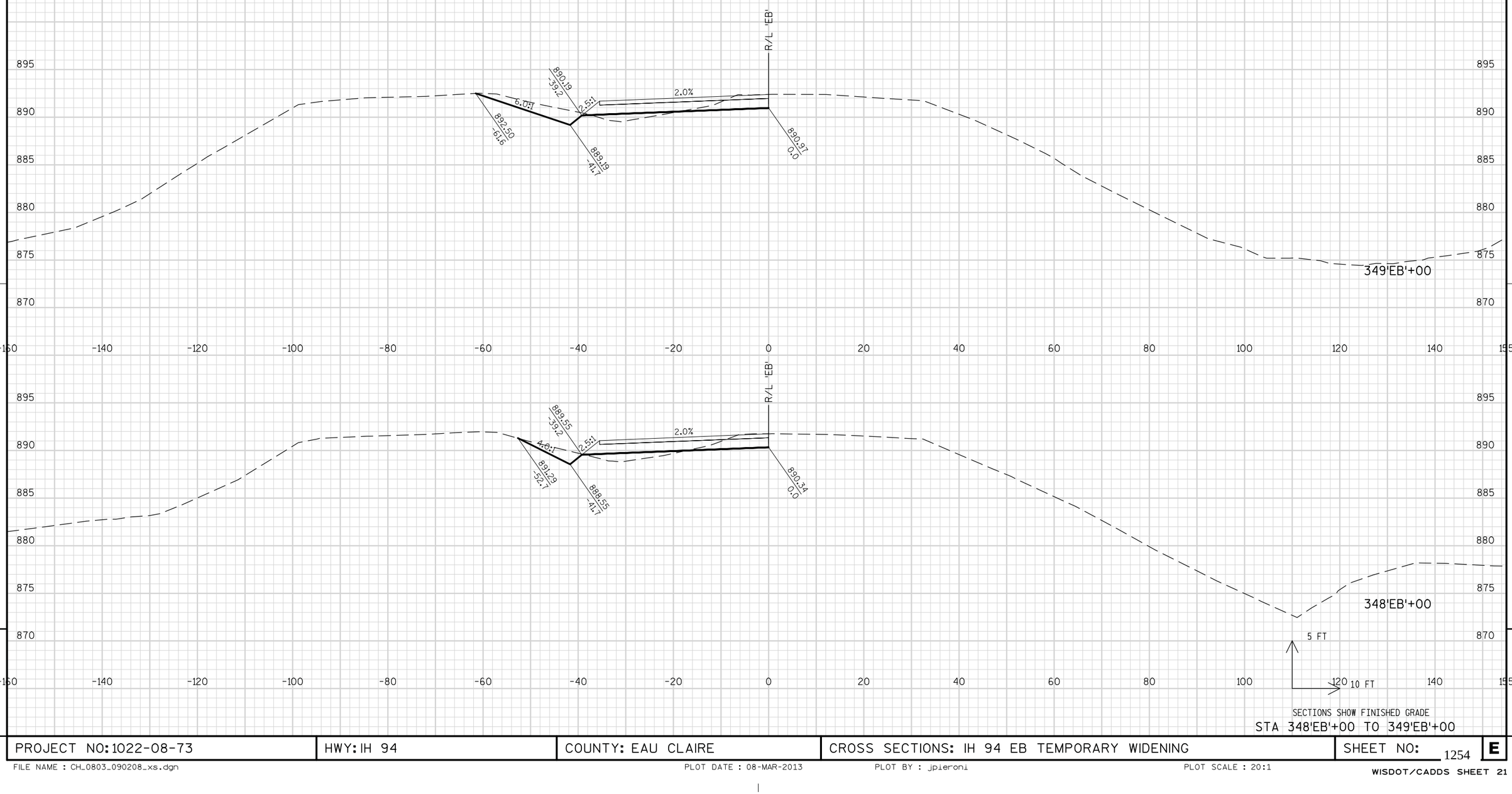
STA 345'EB'+00 TO 347'EB'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 EB TEMPORARY WIDENING	SHEET NO: 1253	E

FILE NAME : CH_0803_090208_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

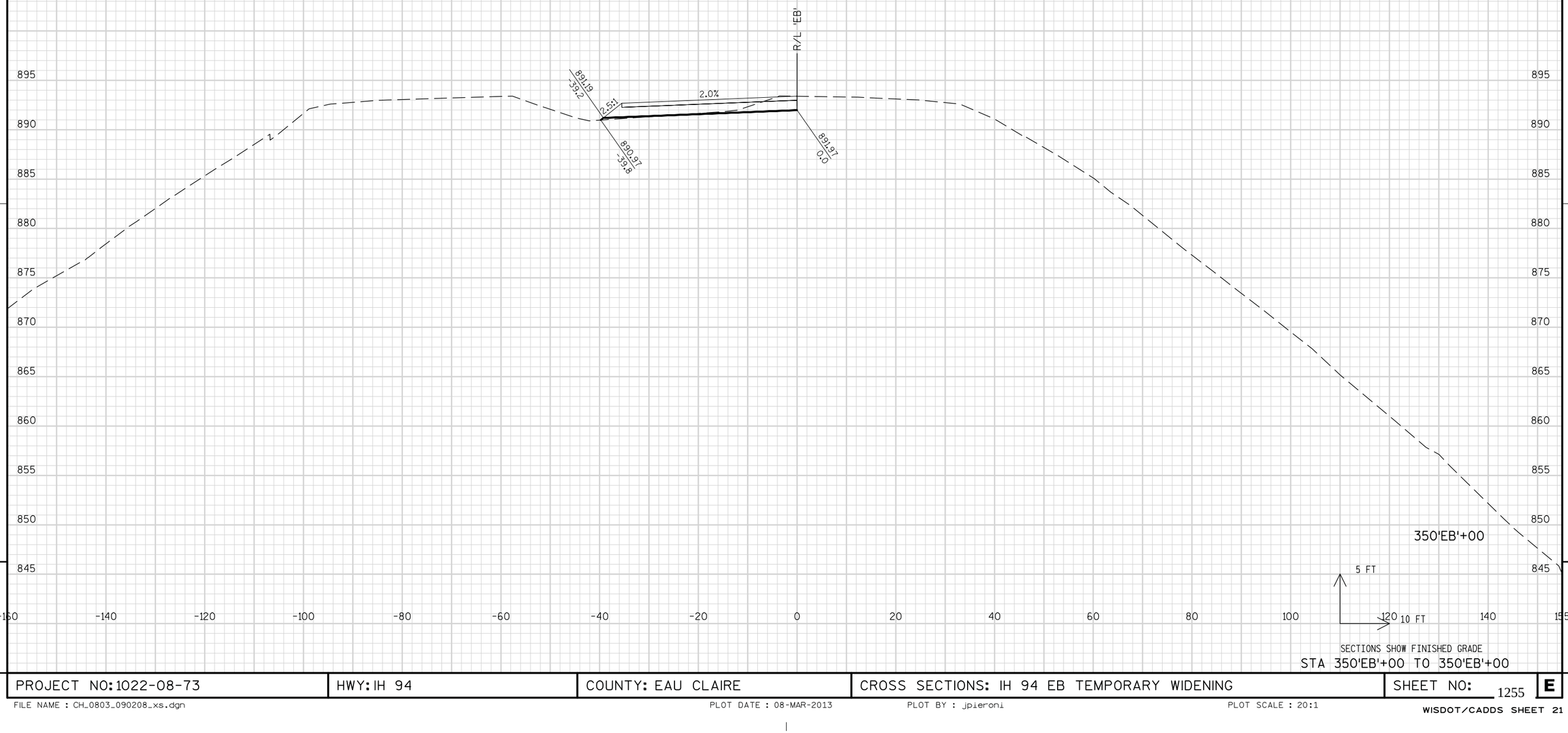
ALL WORK STAGE 3



PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 EB TEMPORARY WIDENING	SHEET NO: 1254 E

FILE NAME : CH_0803_090208_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

ALL WORK STAGE 3



SECTIONS SHOW FINISHED GRADE

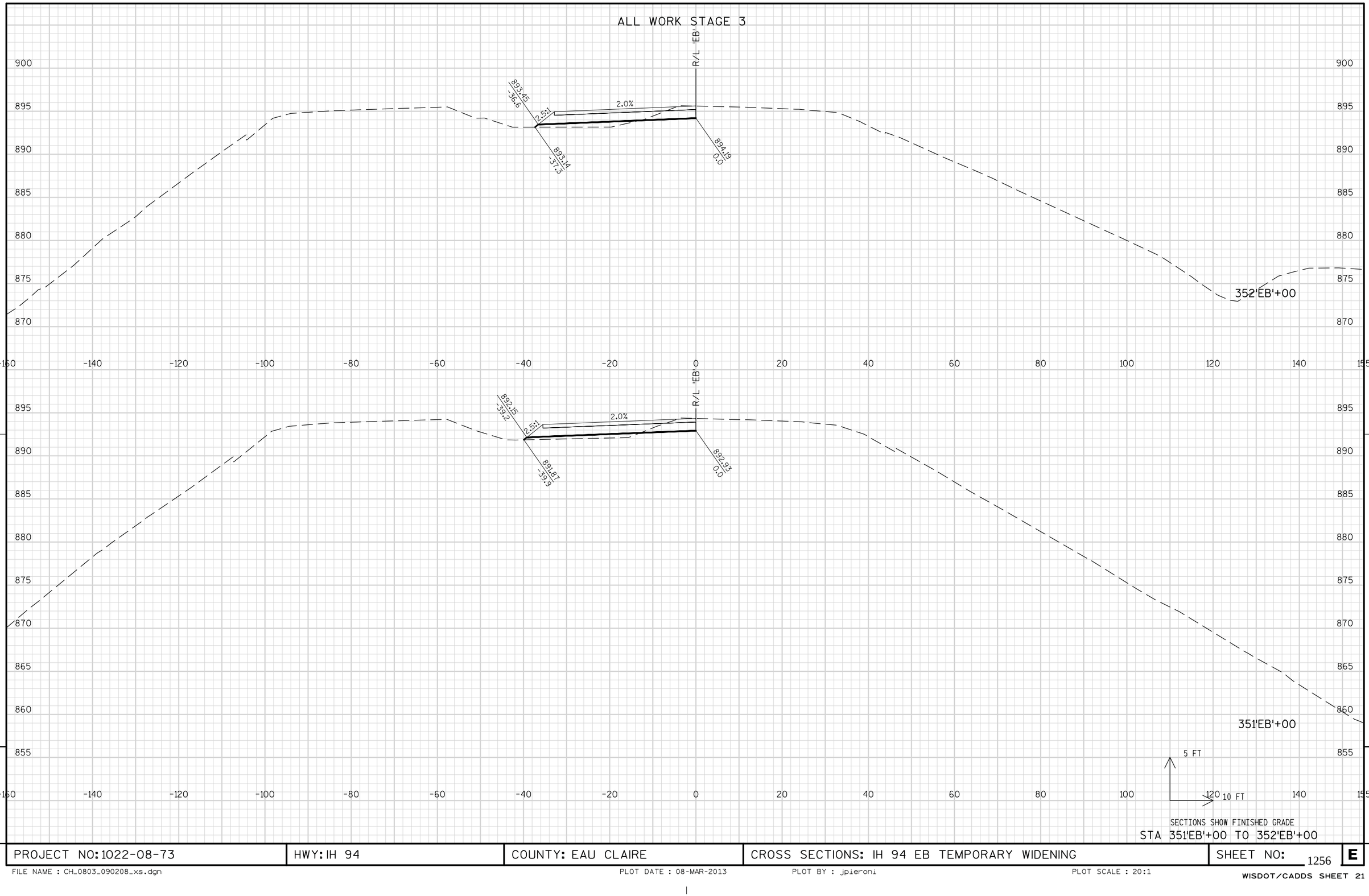
STA 350'EB'+00 TO 350'EB'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 EB TEMPORARY WIDENING	SHEET NO: 1255 E

FILE NAME : CH_0803_090208_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 3



SECTIONS SHOW FINISHED GRADE

STA 351'EB'+00 TO 352'EB'+00

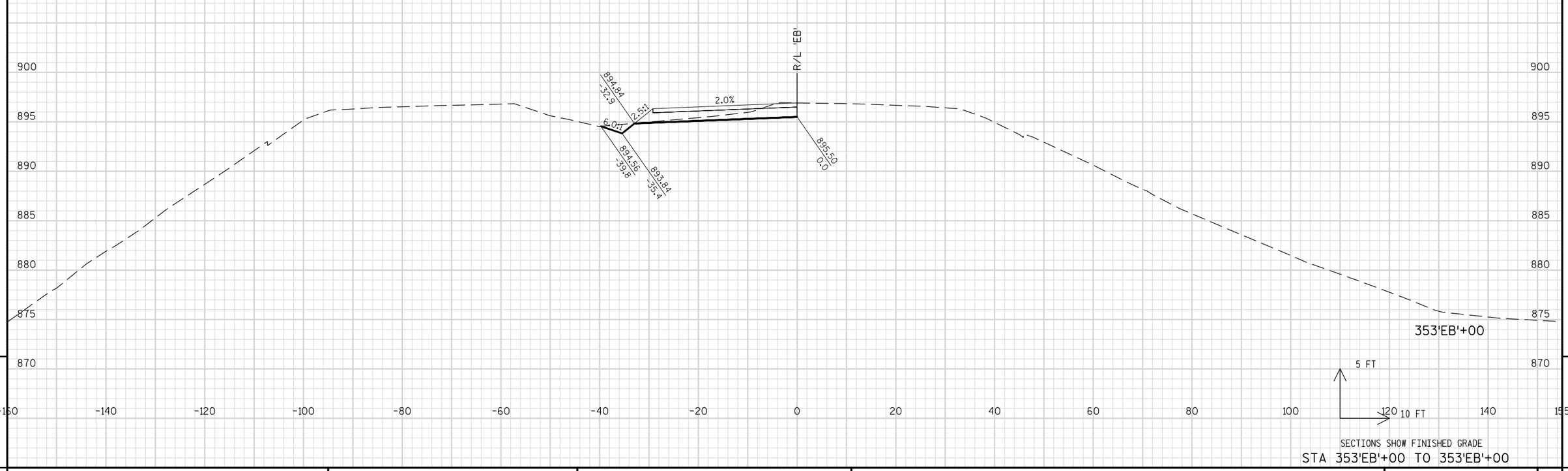
PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 EB TEMPORARY WIDENING	SHEET NO: 1256	E

FILE NAME : CH_0803_090208_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 3

B-18-29
END ABRUPT

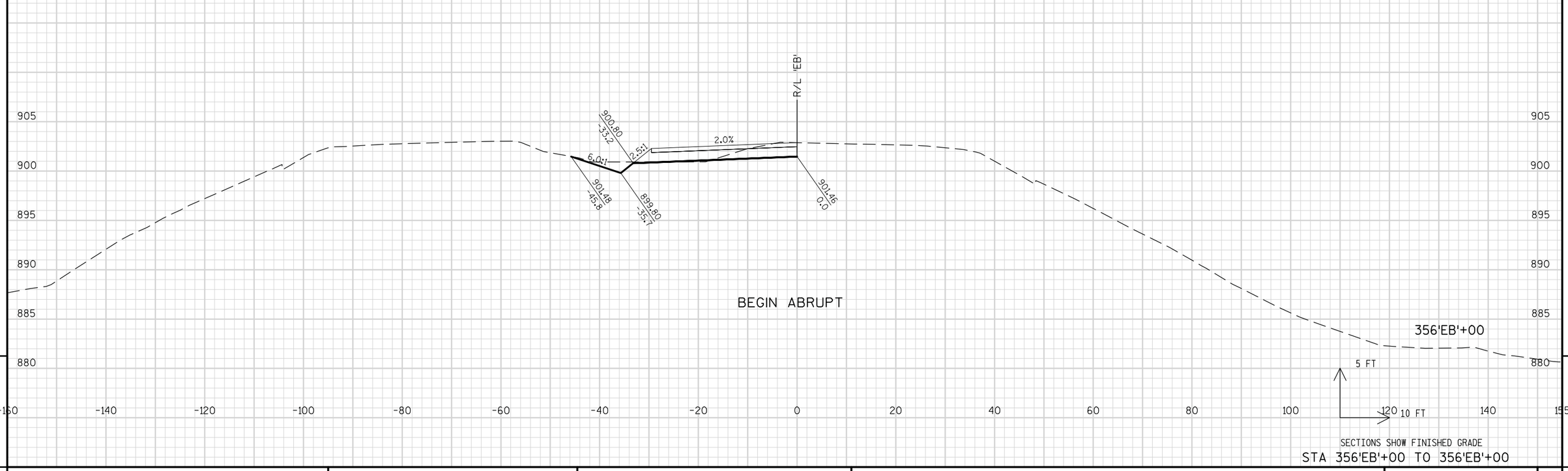


SECTIONS SHOW FINISHED GRADE
STA 353'EB'+00 TO 353'EB'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 EB TEMPORARY WIDENING	SHEET NO: 1257 E

FILE NAME : CH_0803_090208_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

ALL WORK STAGE 3



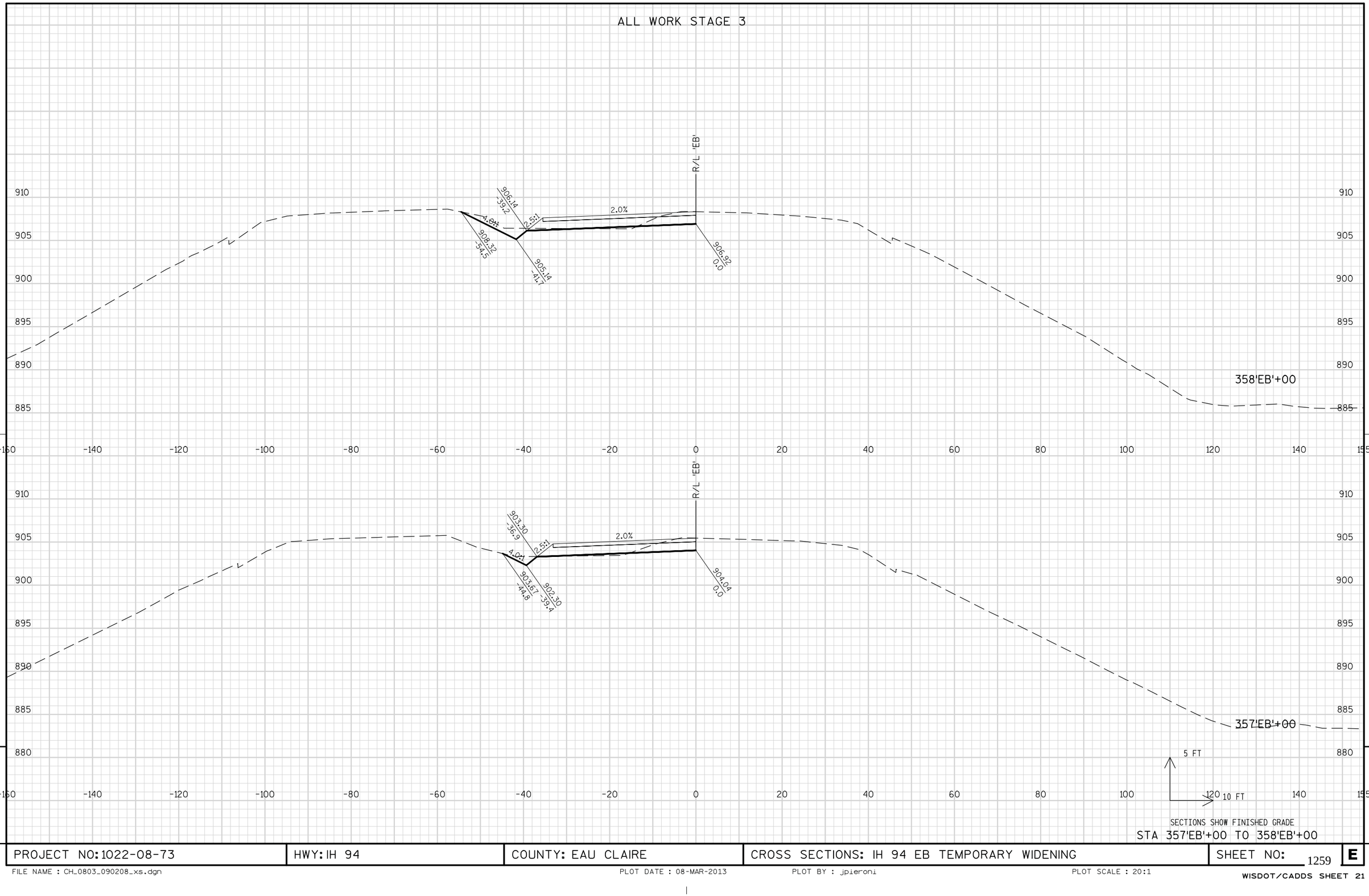
SECTIONS SHOW FINISHED GRADE

STA 356'EB'+00 TO 356'EB'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 EB TEMPORARY WIDENING	SHEET NO: 1258 E

FILE NAME : CH_0803_090208_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

ALL WORK STAGE 3



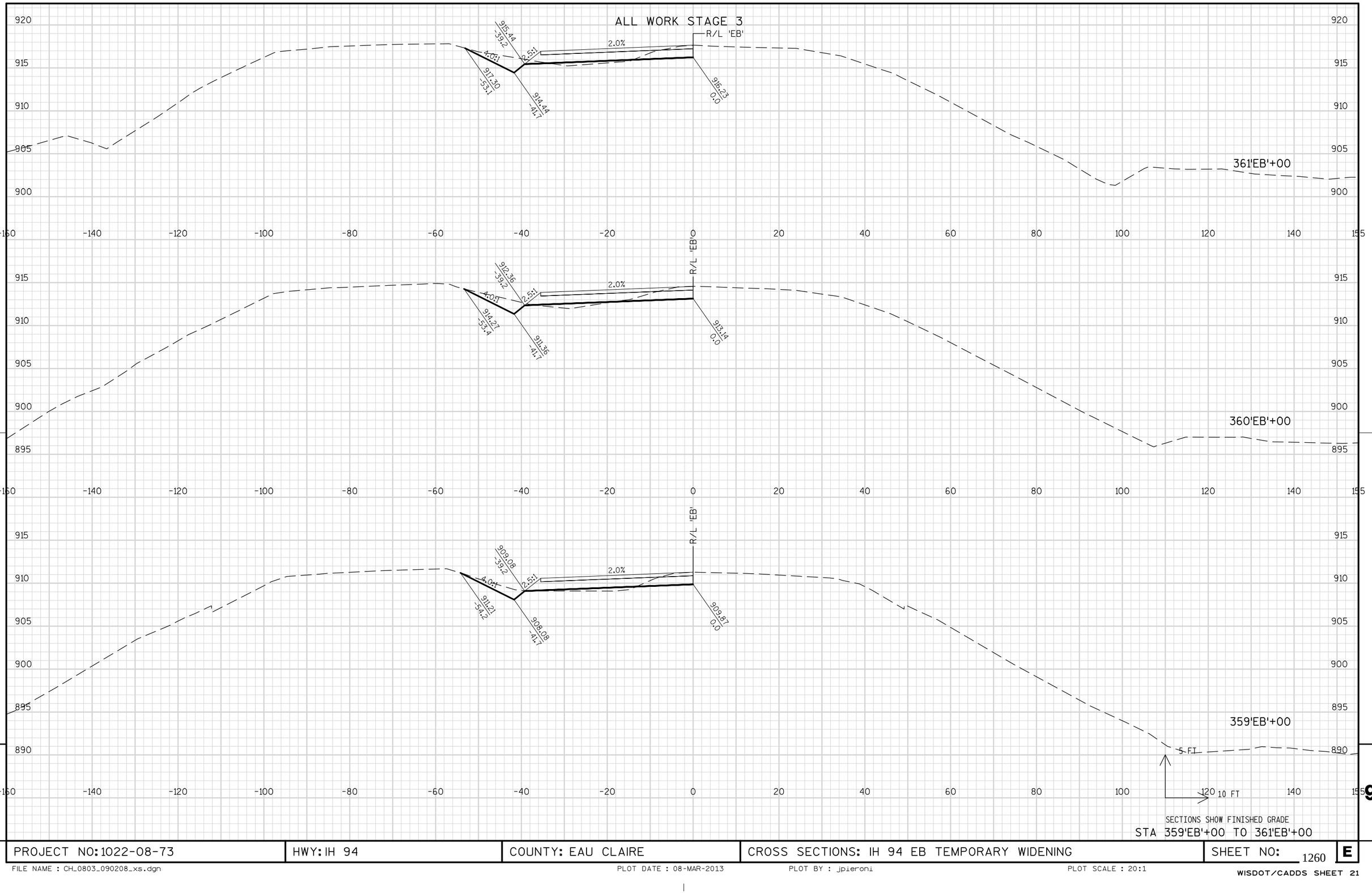
SECTIONS SHOW FINISHED GRADE

STA 357'EB'+00 TO 358'EB'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 EB TEMPORARY WIDENING	SHEET NO: 1259 E

FILE NAME : CH_0803_090208_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

ALL WORK STAGE 3

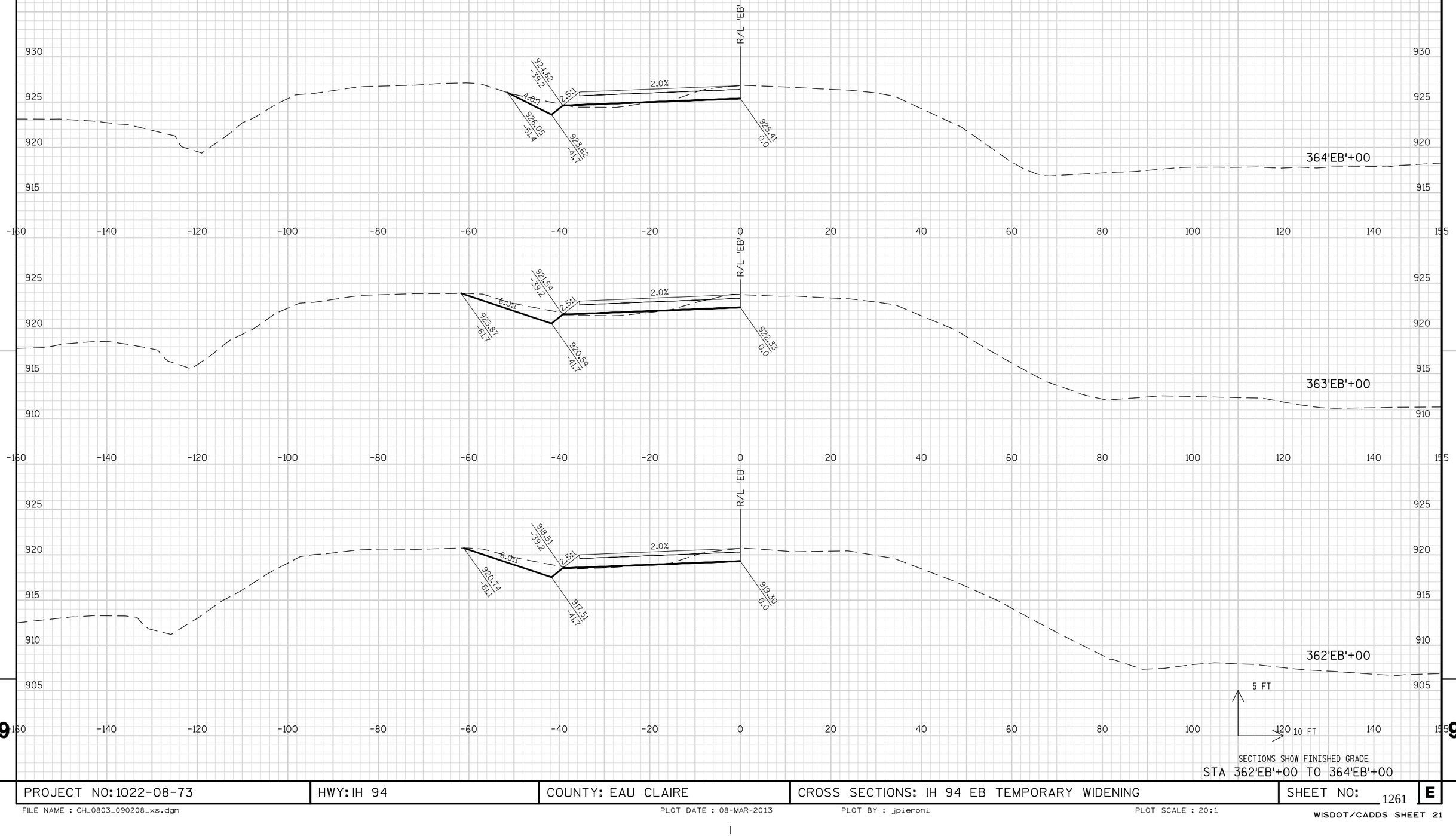


PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 EB TEMPORARY WIDENING	SHEET NO: 1260 E

FILE NAME : CH_0803_090208_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 3



SECTIONS SHOW FINISHED GRADE

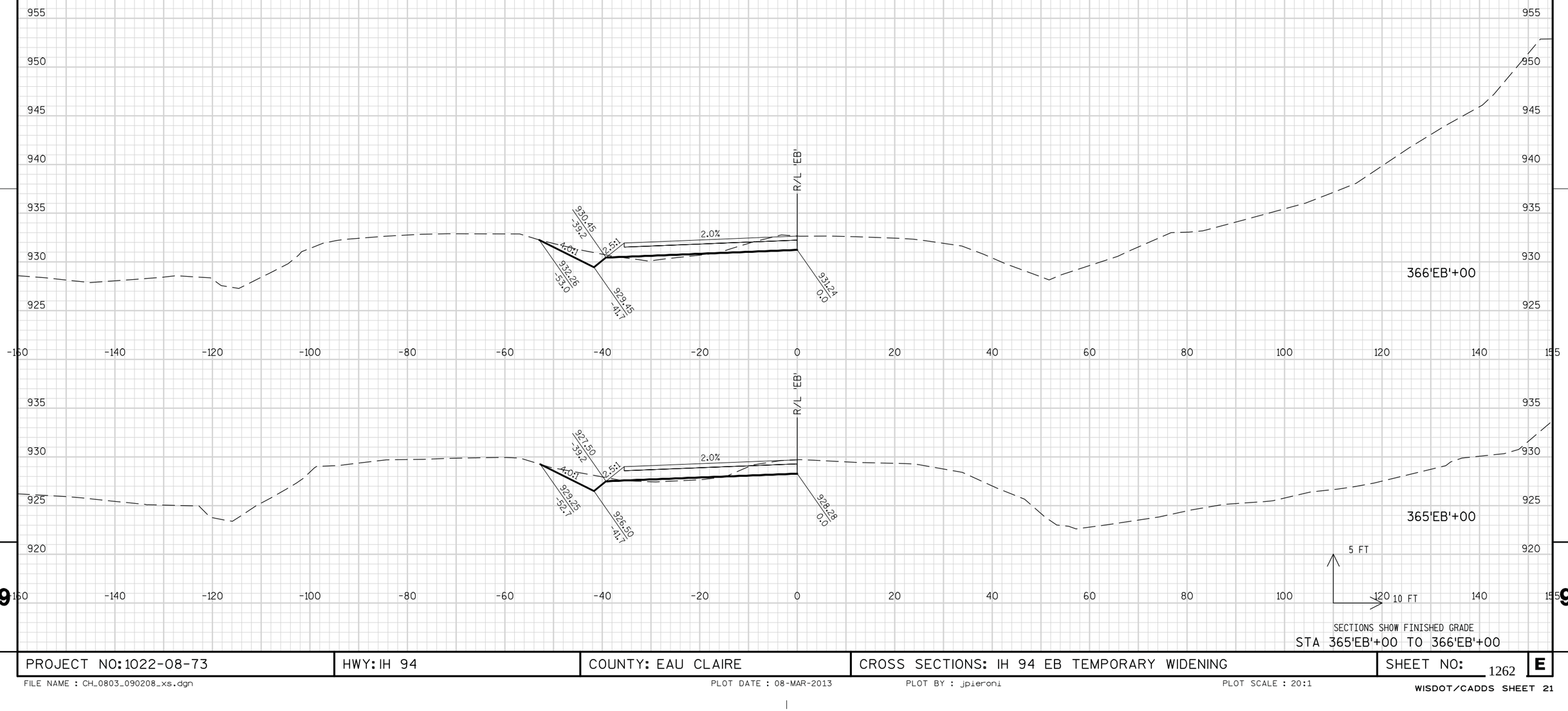
STA 362'EB'+00 TO 364'EB'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 EB TEMPORARY WIDENING	SHEET NO: 1261	E

FILE NAME : CH_0803_090208_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 3



SECTIONS SHOW FINISHED GRADE

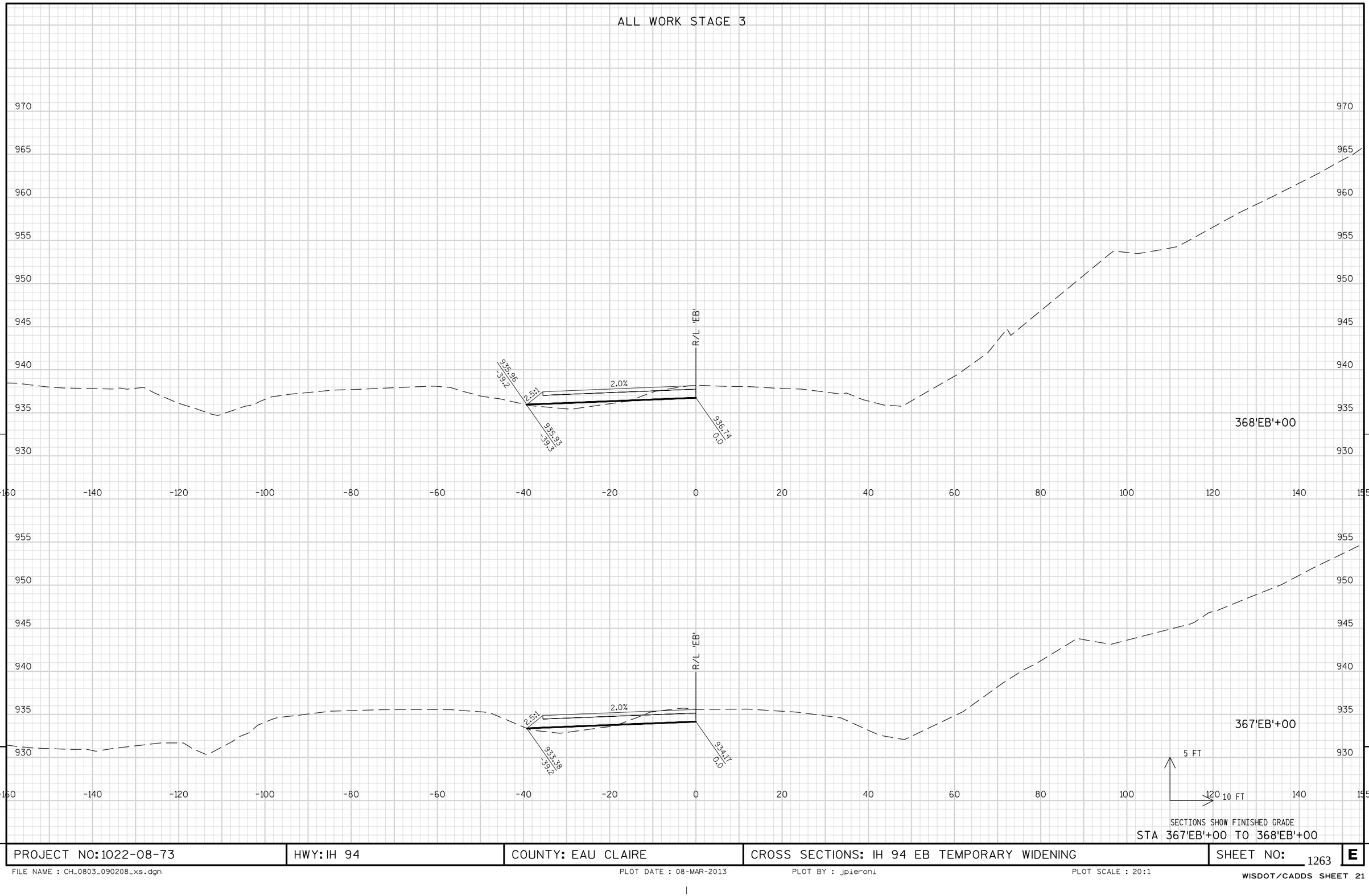
STA 365'EB'+00 TO 366'EB'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 EB TEMPORARY WIDENING	SHEET NO: 1262	E

FILE NAME : CH_0803_090208_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 3



SECTIONS SHOW FINISHED GRADE

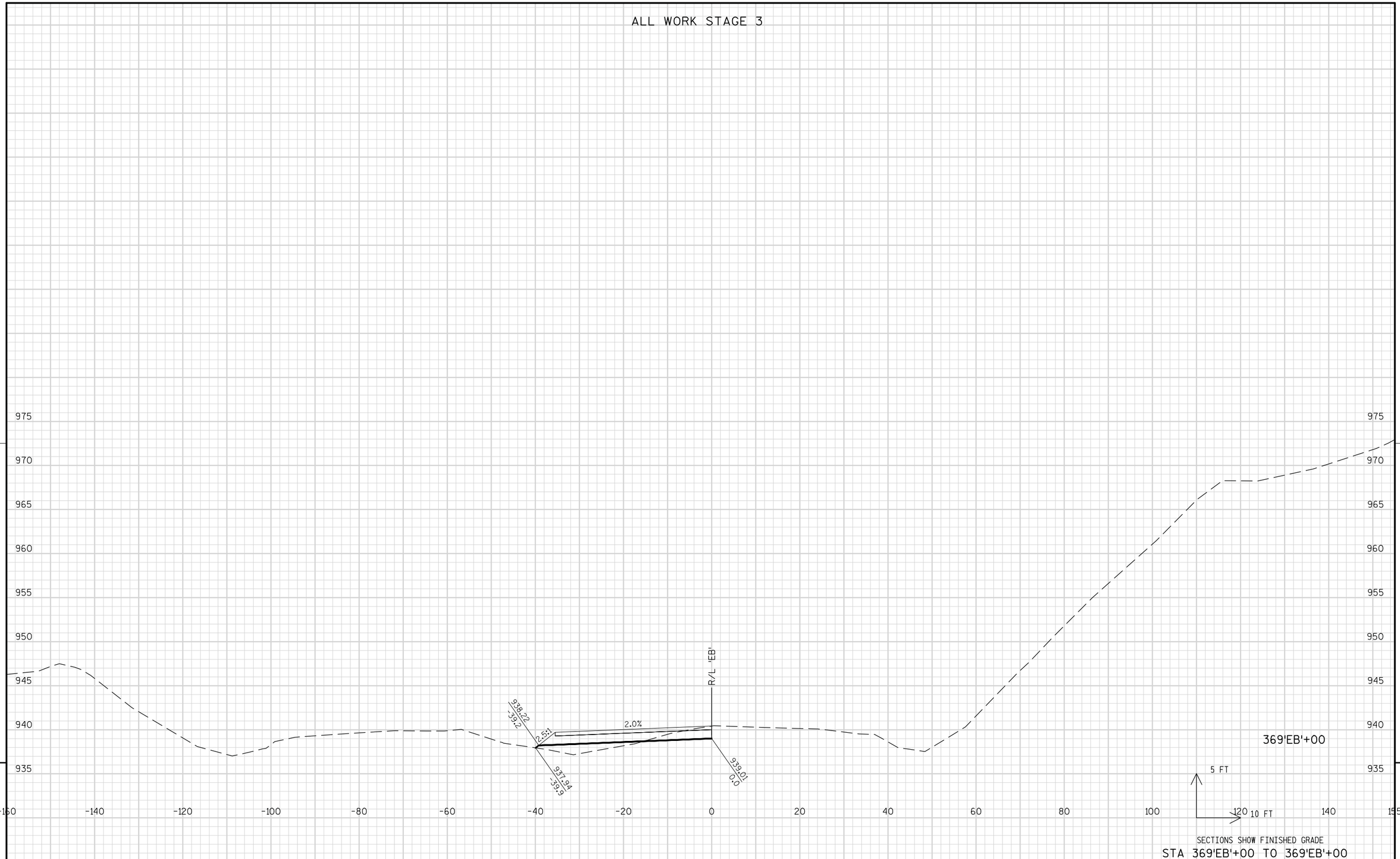
STA 367'EB'+00 TO 368'EB'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 EB TEMPORARY WIDENING	SHEET NO: 1263 E

FILE NAME : CH_0803_090208_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 3

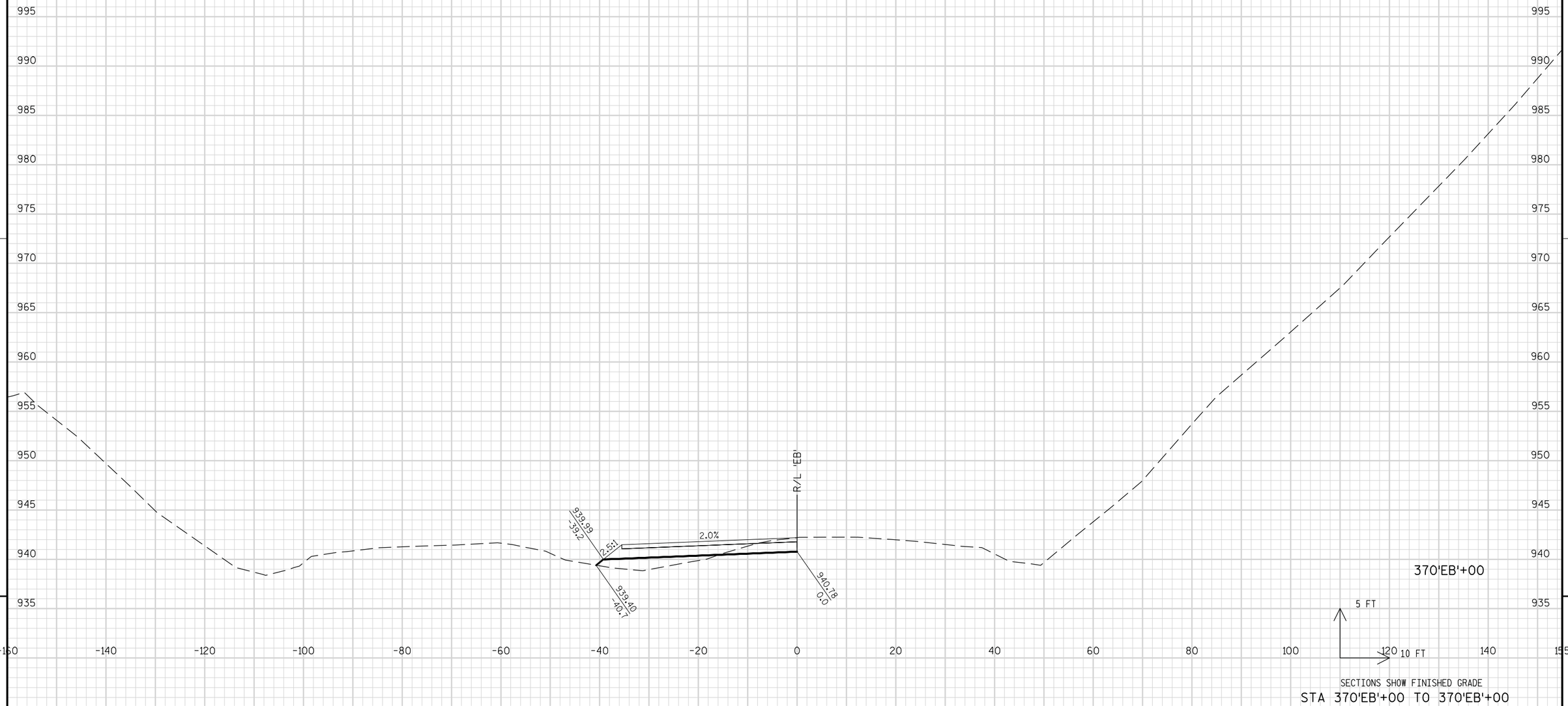


PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 EB TEMPORARY WIDENING	SHEET NO: 1264 E

FILE NAME : CH_0803_090208_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 3



SECTIONS SHOW FINISHED GRADE

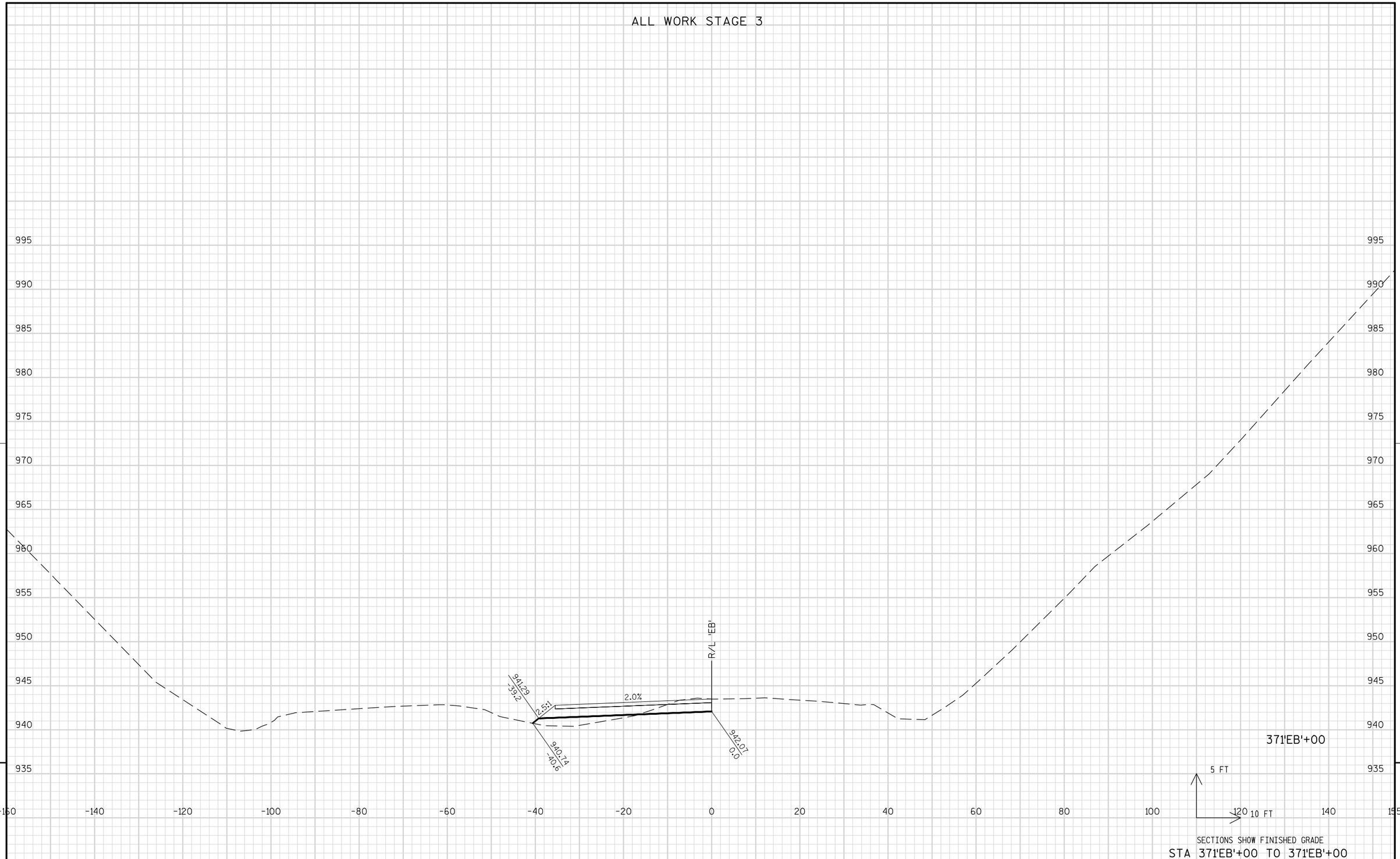
STA 370'EB'+00 TO 370'EB'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 EB TEMPORARY WIDENING	SHEET NO: 1265	E

FILE NAME : CH_0803_090208_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 3

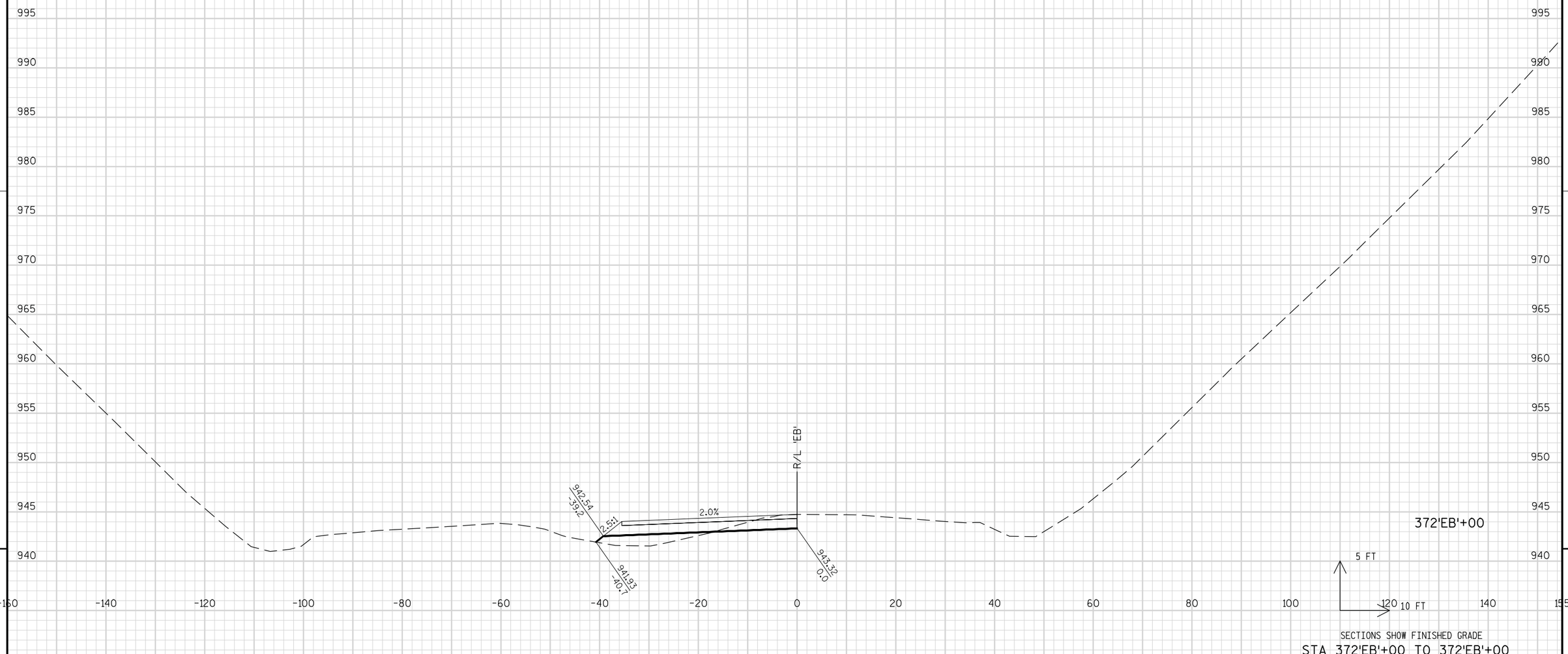


PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 EB TEMPORARY WIDENING	SHEET NO: 1266 E

FILE NAME : CH_0803_090208_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 3



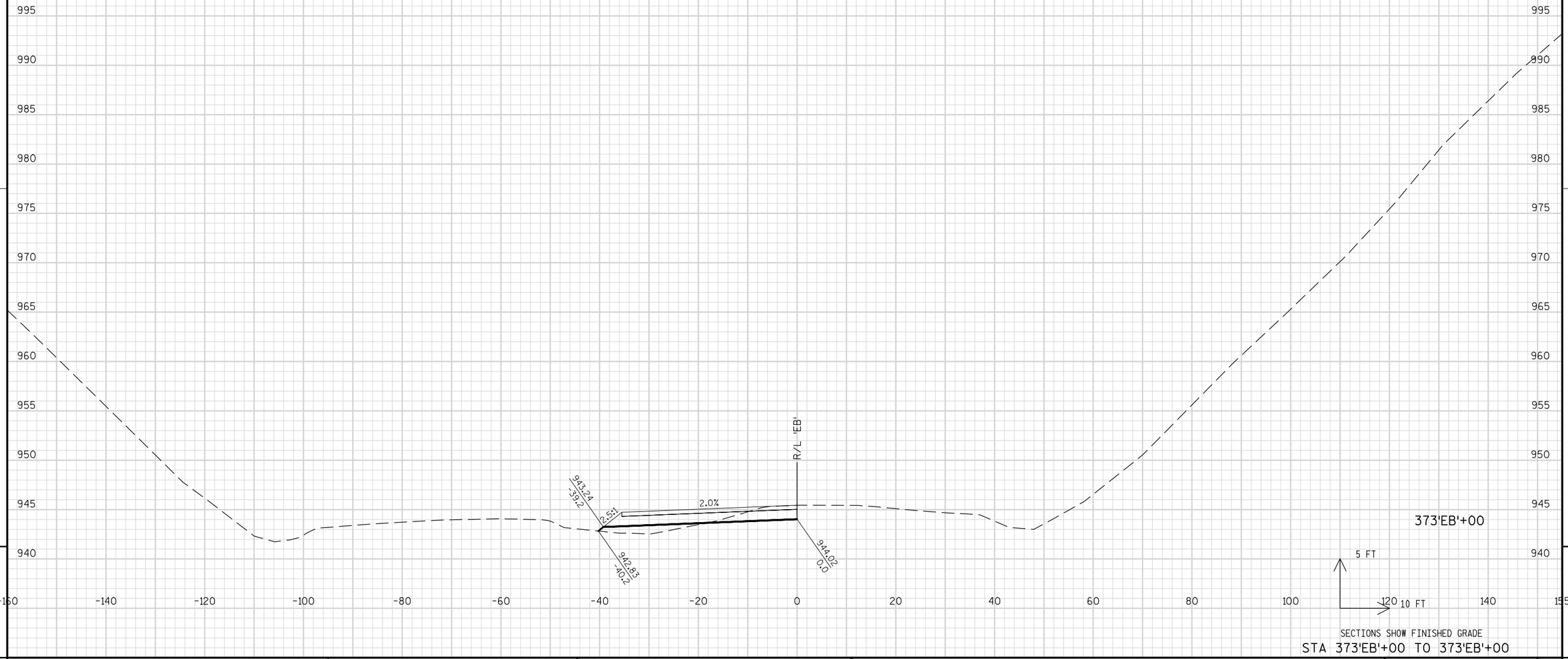
STA 372'EB'+00 TO 372'EB'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 EB TEMPORARY WIDENING	SHEET NO: 1267 E

FILE NAME : CH_0803_090208_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 3

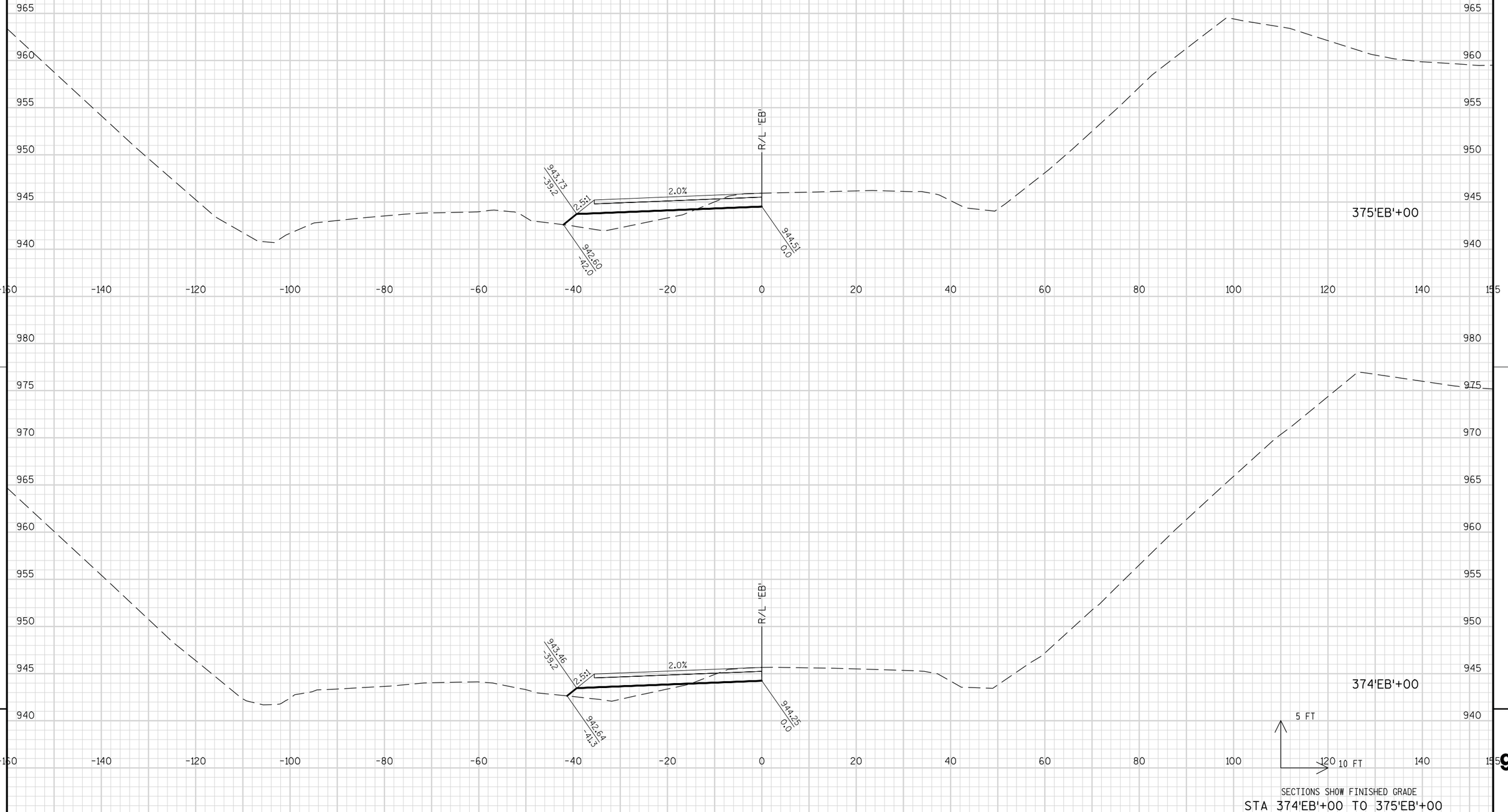


PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 EB TEMPORARY WIDENING	SHEET NO: 1268 E

FILE NAME : CH_0803_090208_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 3



SECTIONS SHOW FINISHED GRADE

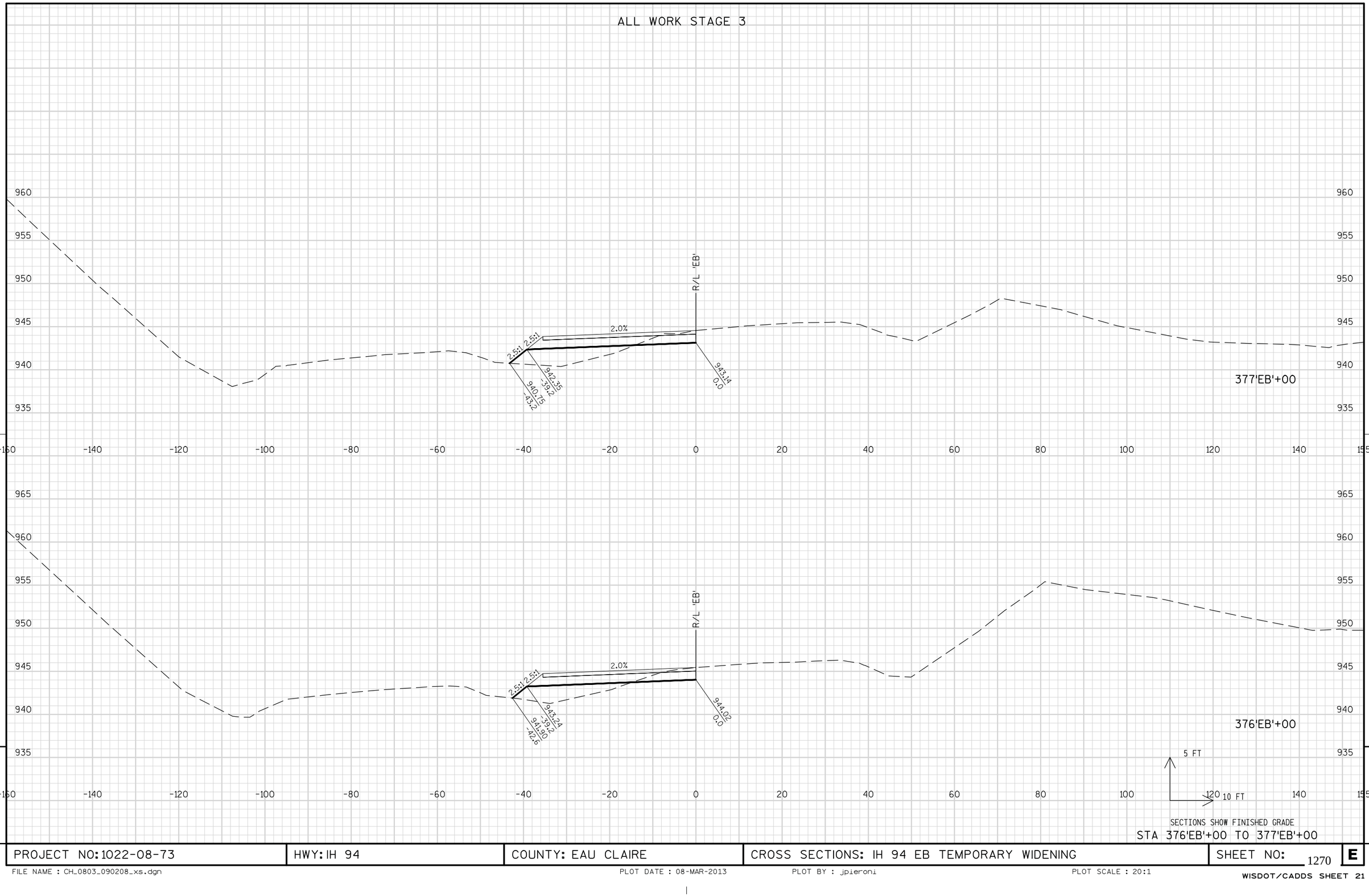
STA 374'EB'+00 TO 375'EB'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 EB TEMPORARY WIDENING	SHEET NO: 1269	E

FILE NAME : CH_0803_090208_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 3



SECTIONS SHOW FINISHED GRADE

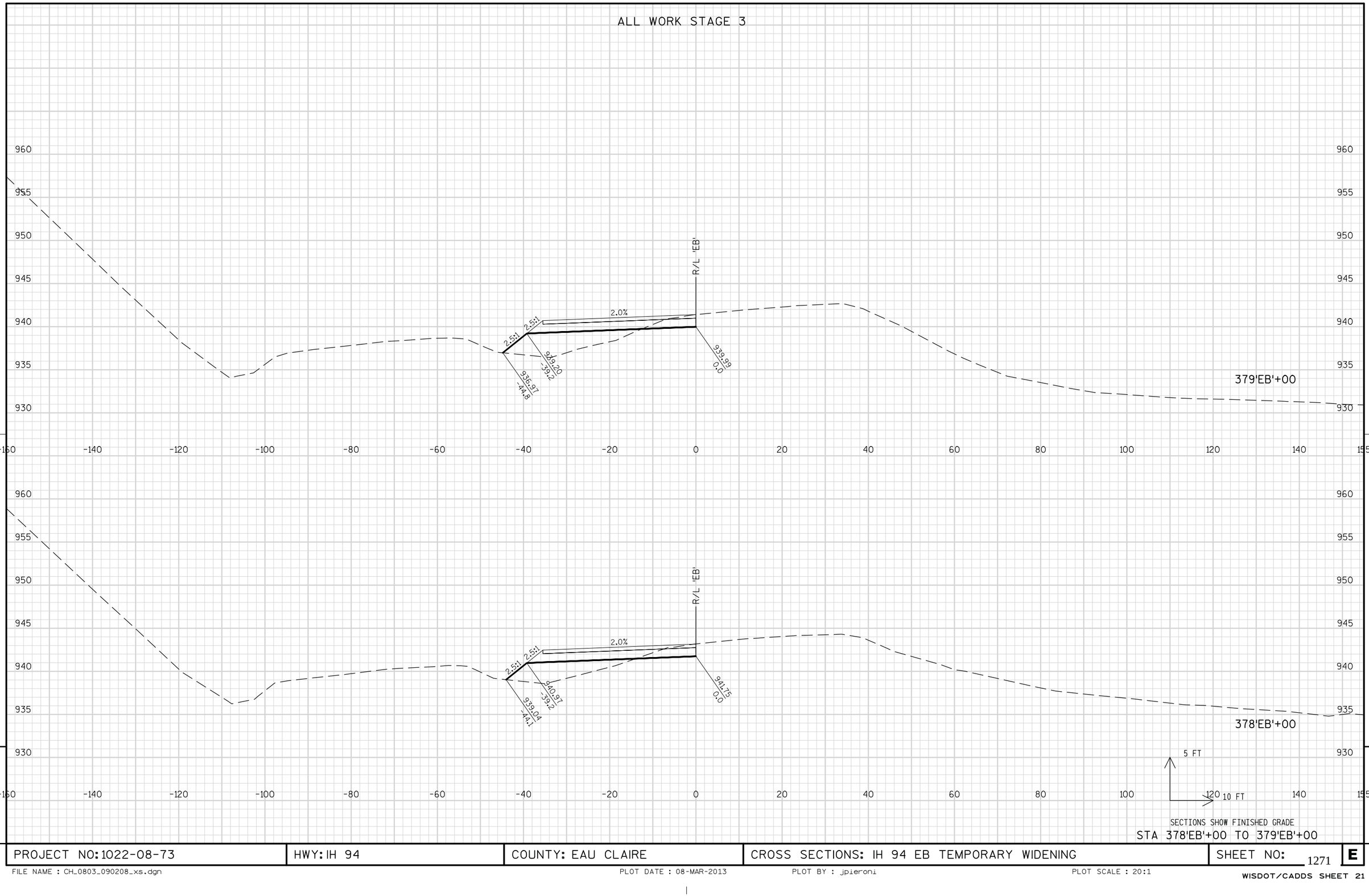
STA 376'EB'+00 TO 377'EB'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 EB TEMPORARY WIDENING	SHEET NO: 1270	E

FILE NAME : CH_0803_090208_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 3



SECTIONS SHOW FINISHED GRADE

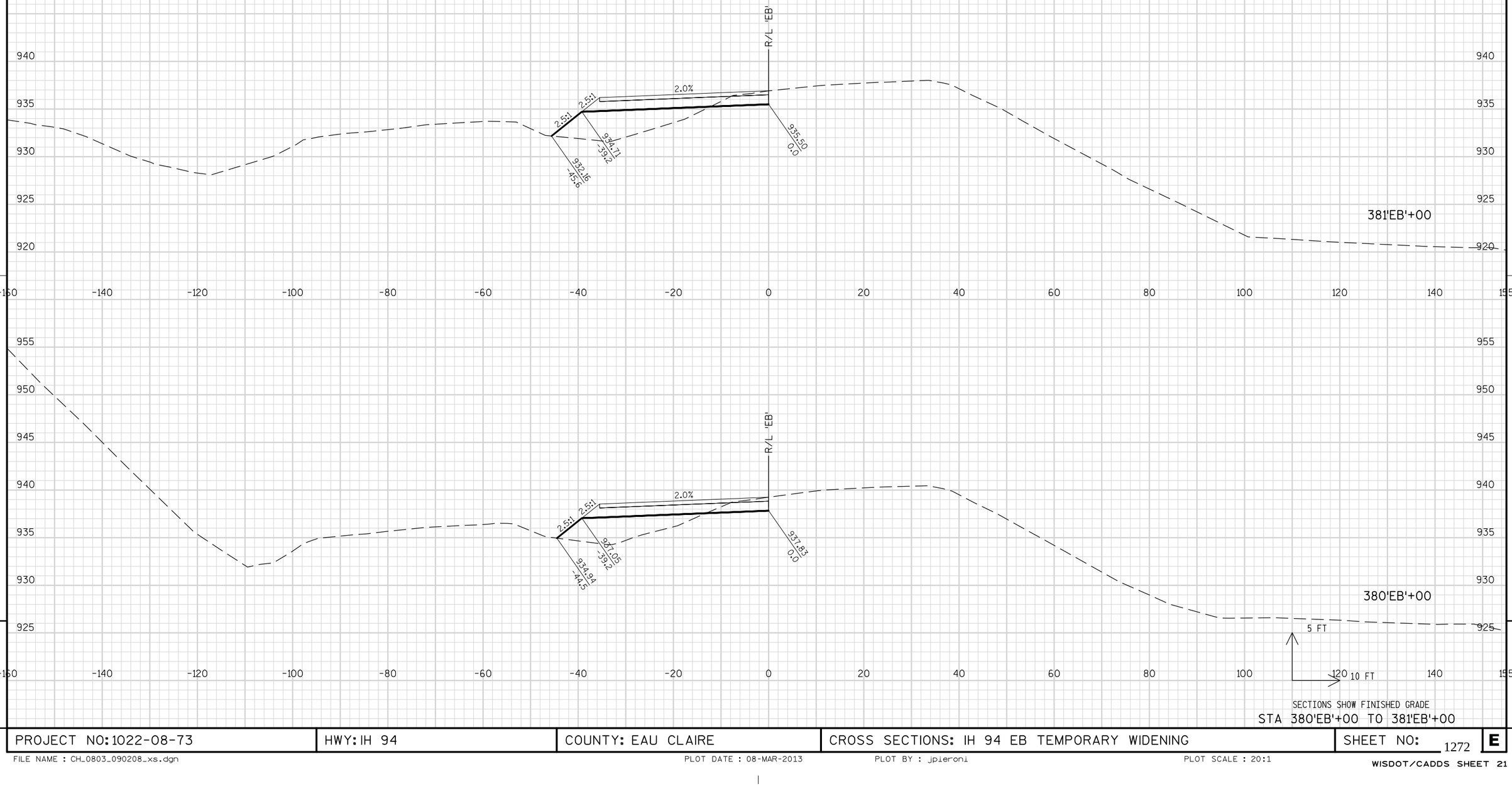
STA 378'EB'+00 TO 379'EB'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 EB TEMPORARY WIDENING	SHEET NO: 1271 E

FILE NAME : CH_0803_090208_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 3



SECTIONS SHOW FINISHED GRADE

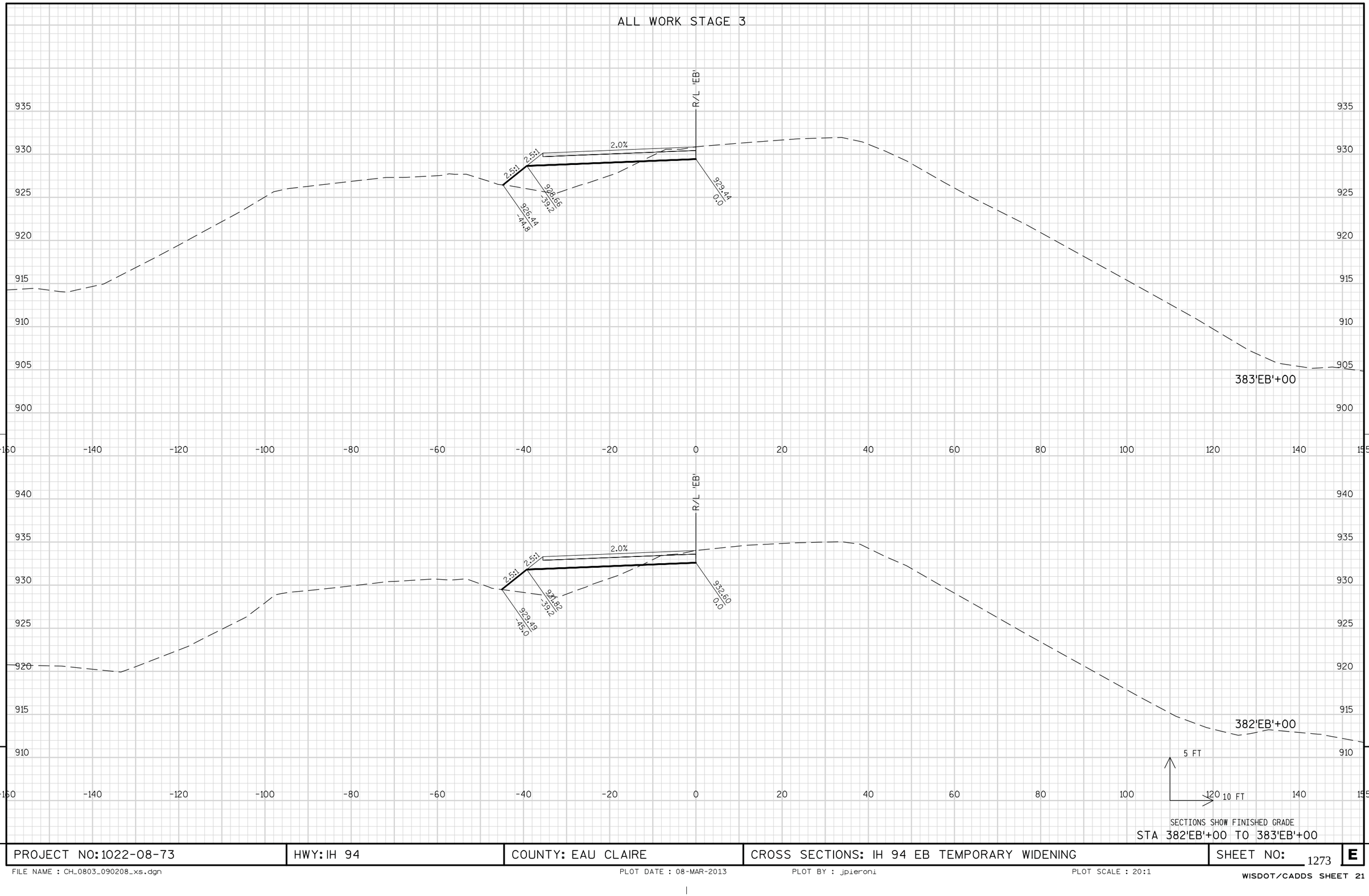
STA 380'EB'+00 TO 381'EB'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 EB TEMPORARY WIDENING	SHEET NO: 1272 E

FILE NAME : CH_0803_090208_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 3

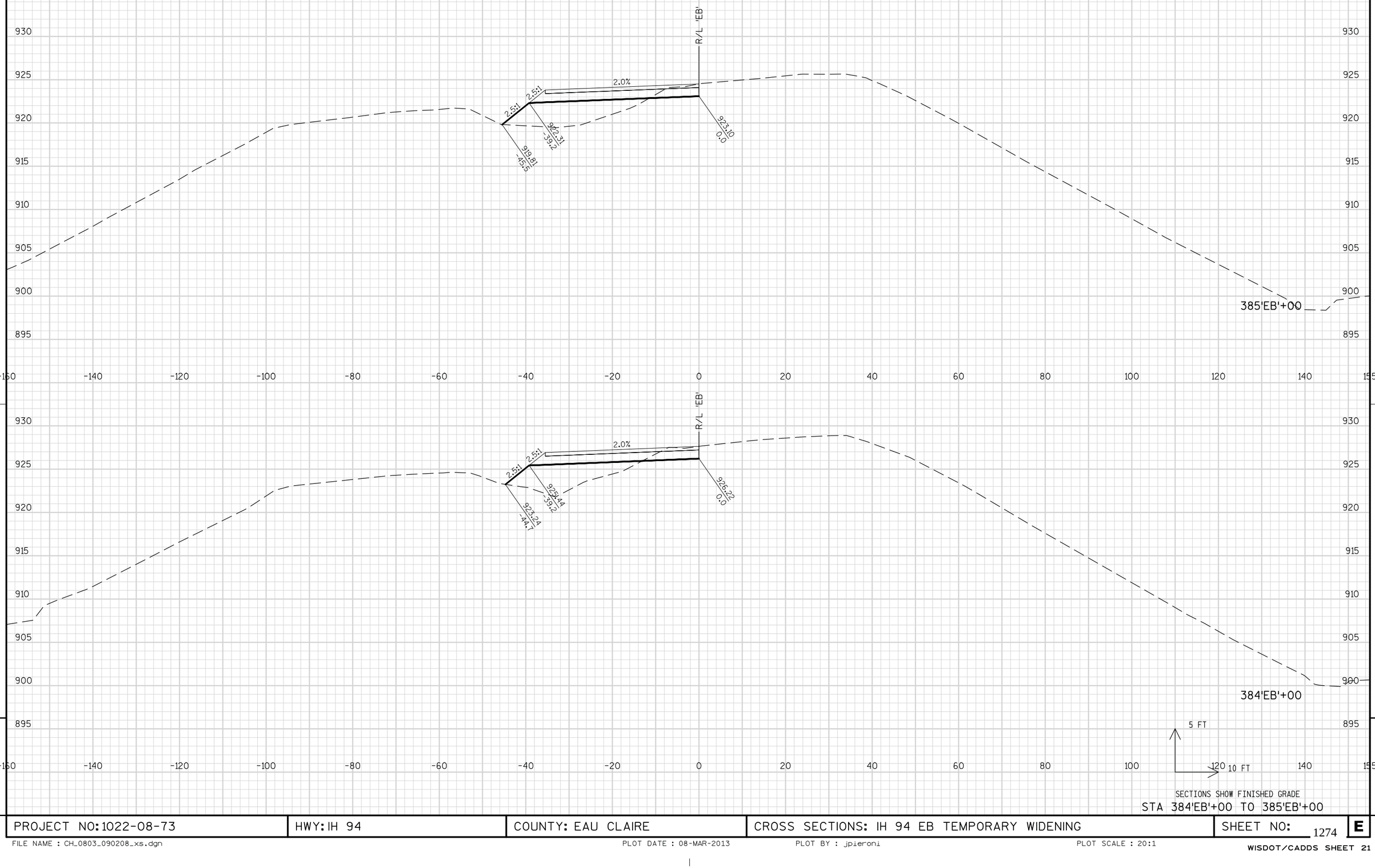


PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 EB TEMPORARY WIDENING	SHEET NO: 1273 E

FILE NAME : CH_0803_090208_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 3



SECTIONS SHOW FINISHED GRADE

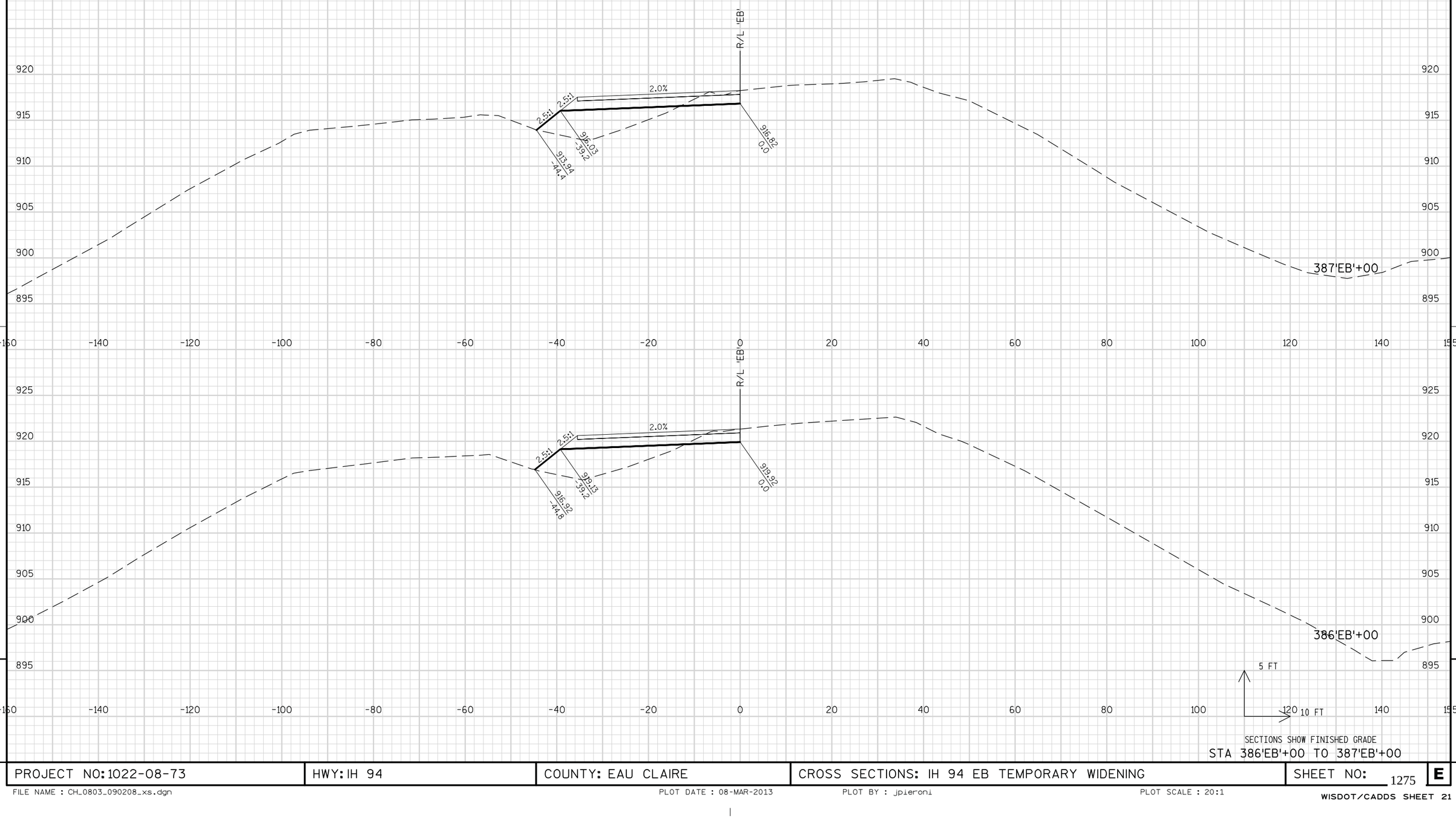
STA 384'EB'+00 TO 385'EB'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 EB TEMPORARY WIDENING	SHEET NO: 1274	E

FILE NAME : CH_0803_090208_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 3



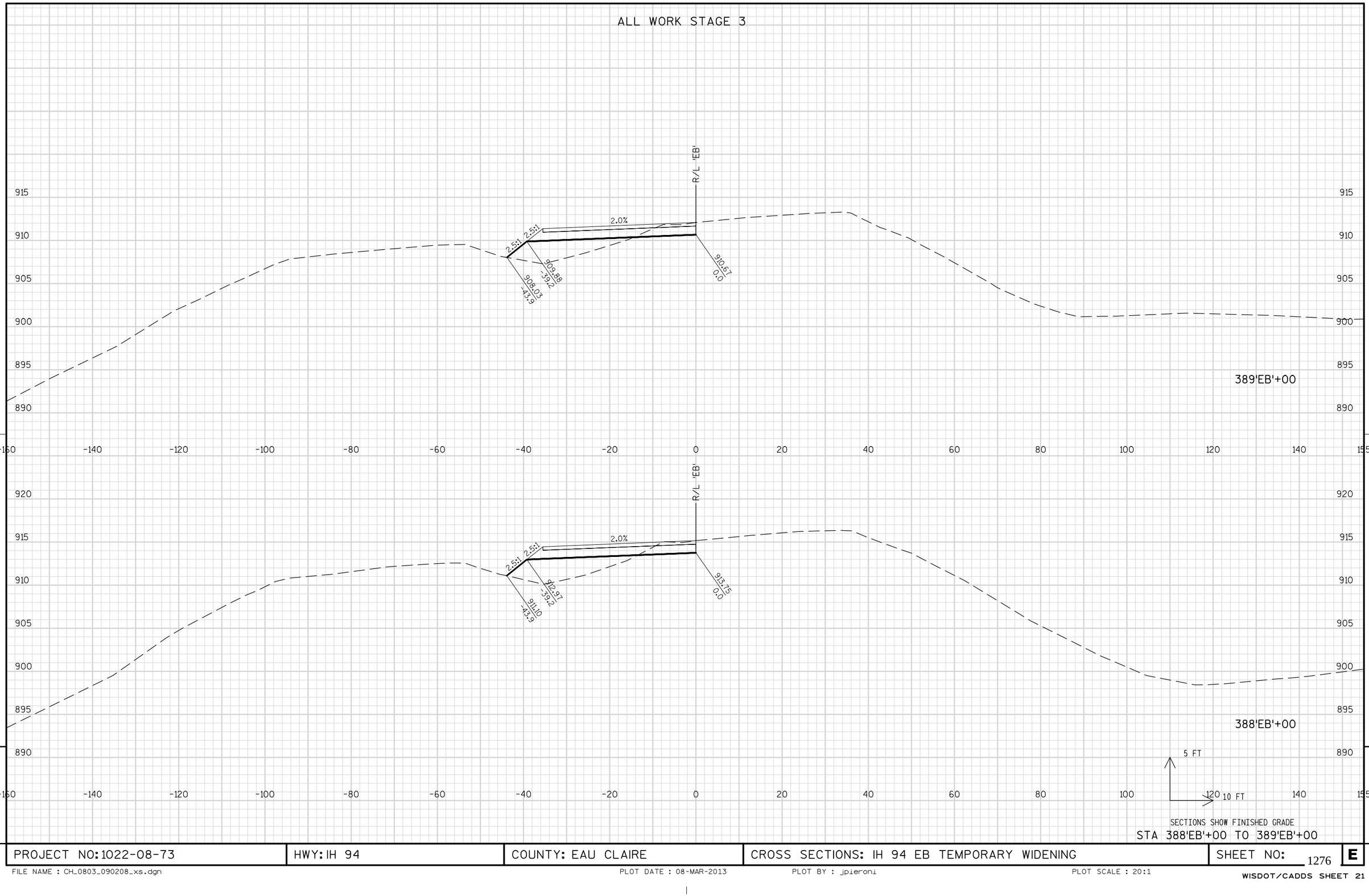
SECTIONS SHOW FINISHED GRADE

STA 386'EB'+00 TO 387'EB'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 EB TEMPORARY WIDENING	SHEET NO: 1275	E

FILE NAME : CH_0803_090208_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

ALL WORK STAGE 3



SECTIONS SHOW FINISHED GRADE

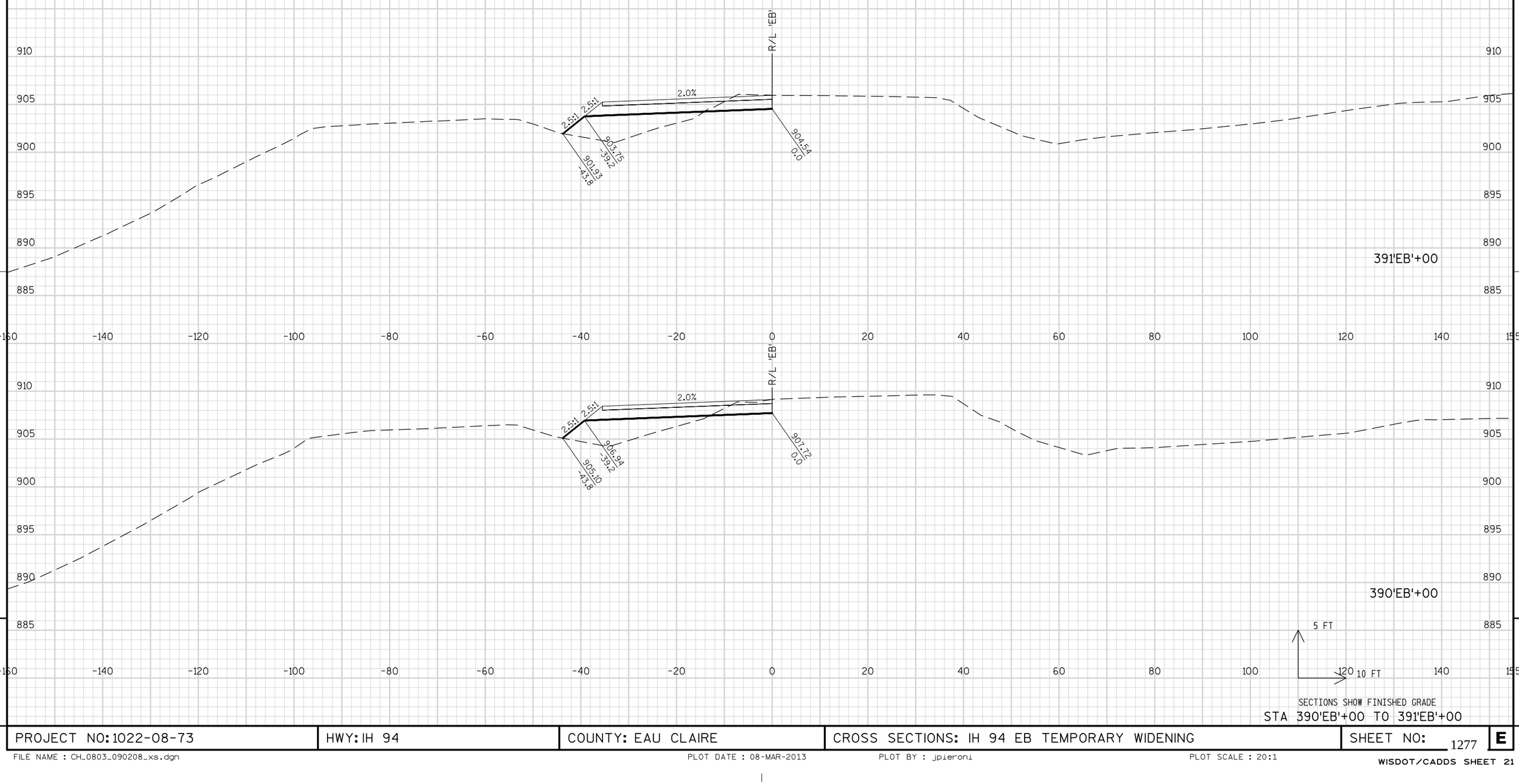
STA 388'EB'+00 TO 389'EB'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 EB TEMPORARY WIDENING	SHEET NO: 1276 E

FILE NAME : CH_0803_090208_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 3



SECTIONS SHOW FINISHED GRADE

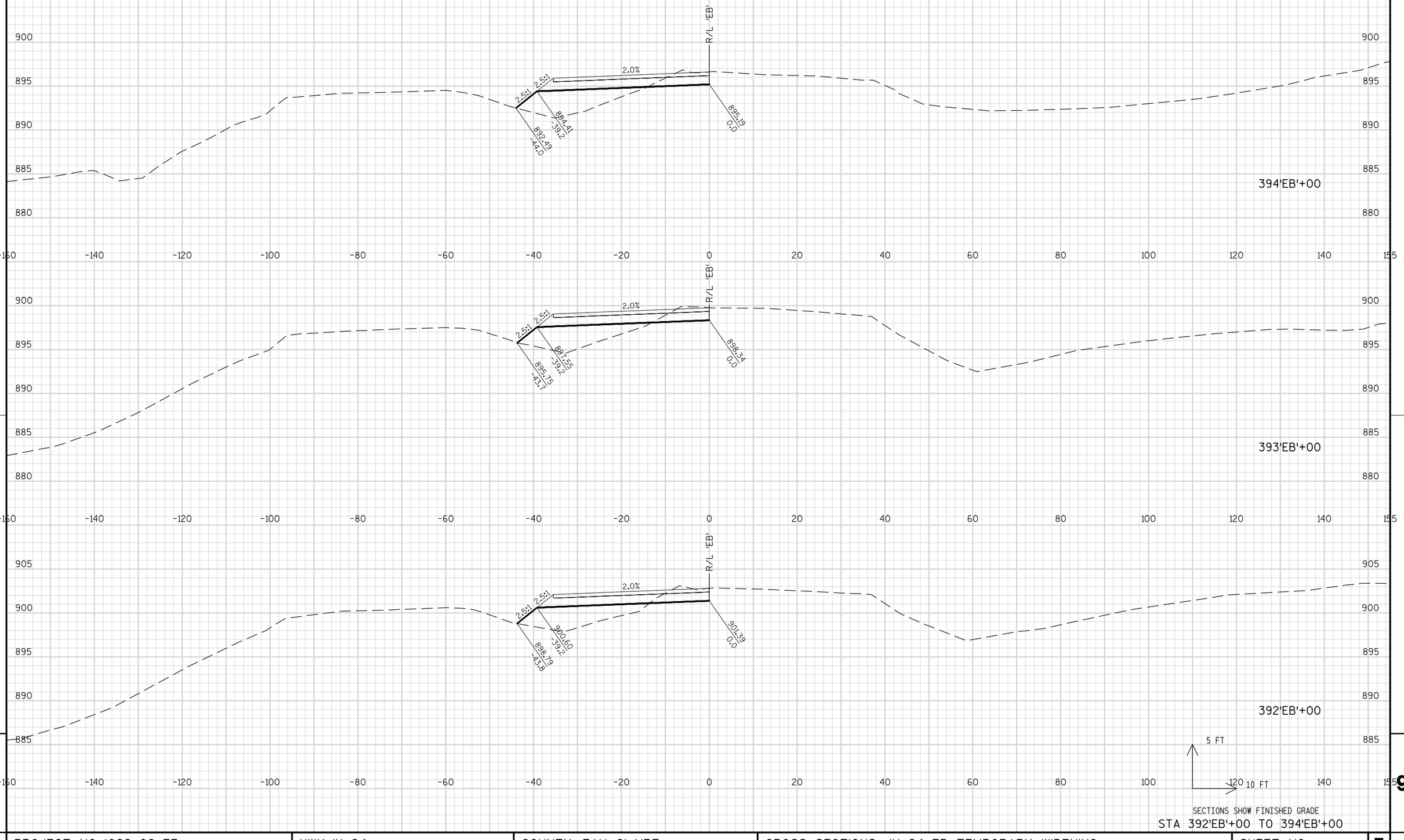
STA 390'EB'+00 TO 391'EB'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 EB TEMPORARY WIDENING	SHEET NO: 1277 E

FILE NAME : CH_0803_090208_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 3



SECTIONS SHOW FINISHED GRADE

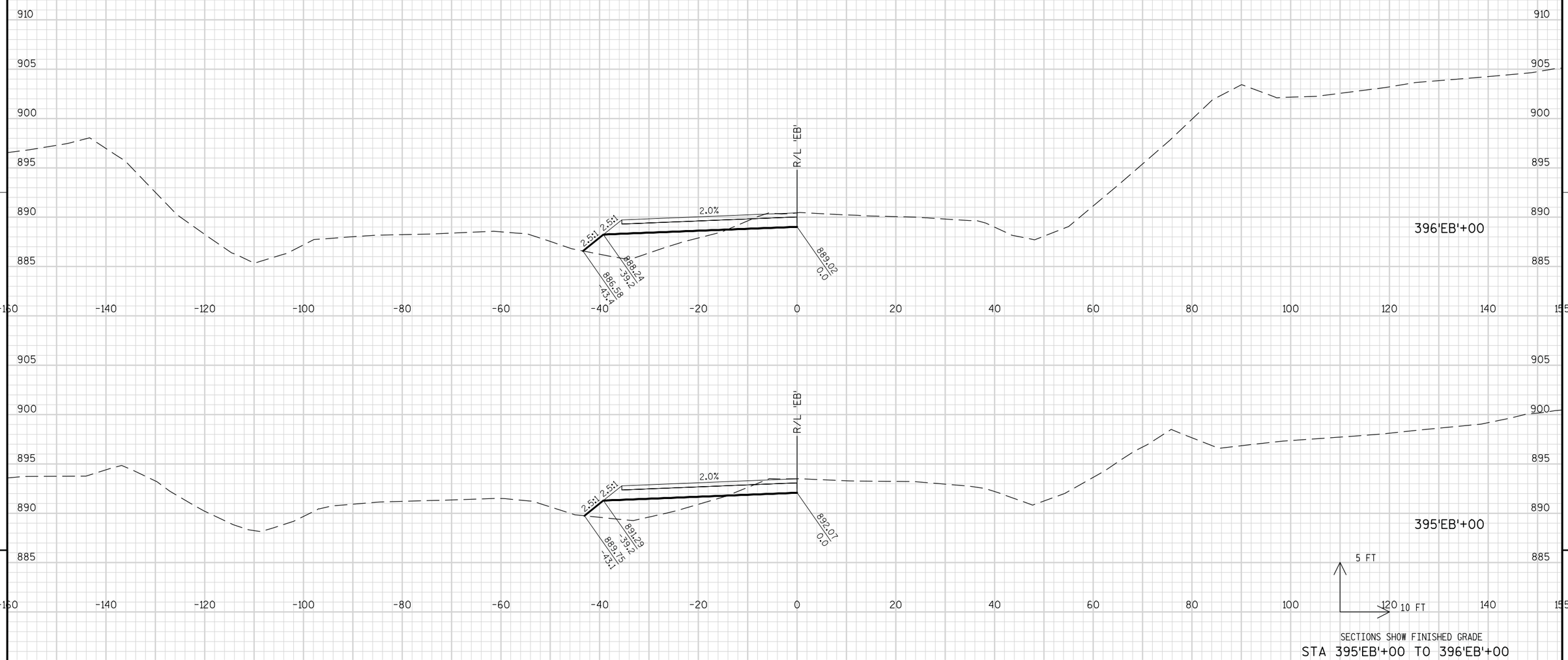
STA 392'EB'+00 TO 394'EB'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 EB TEMPORARY WIDENING	SHEET NO: 1278	E

FILE NAME : CH_0803_090208_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 3



SECTIONS SHOW FINISHED GRADE

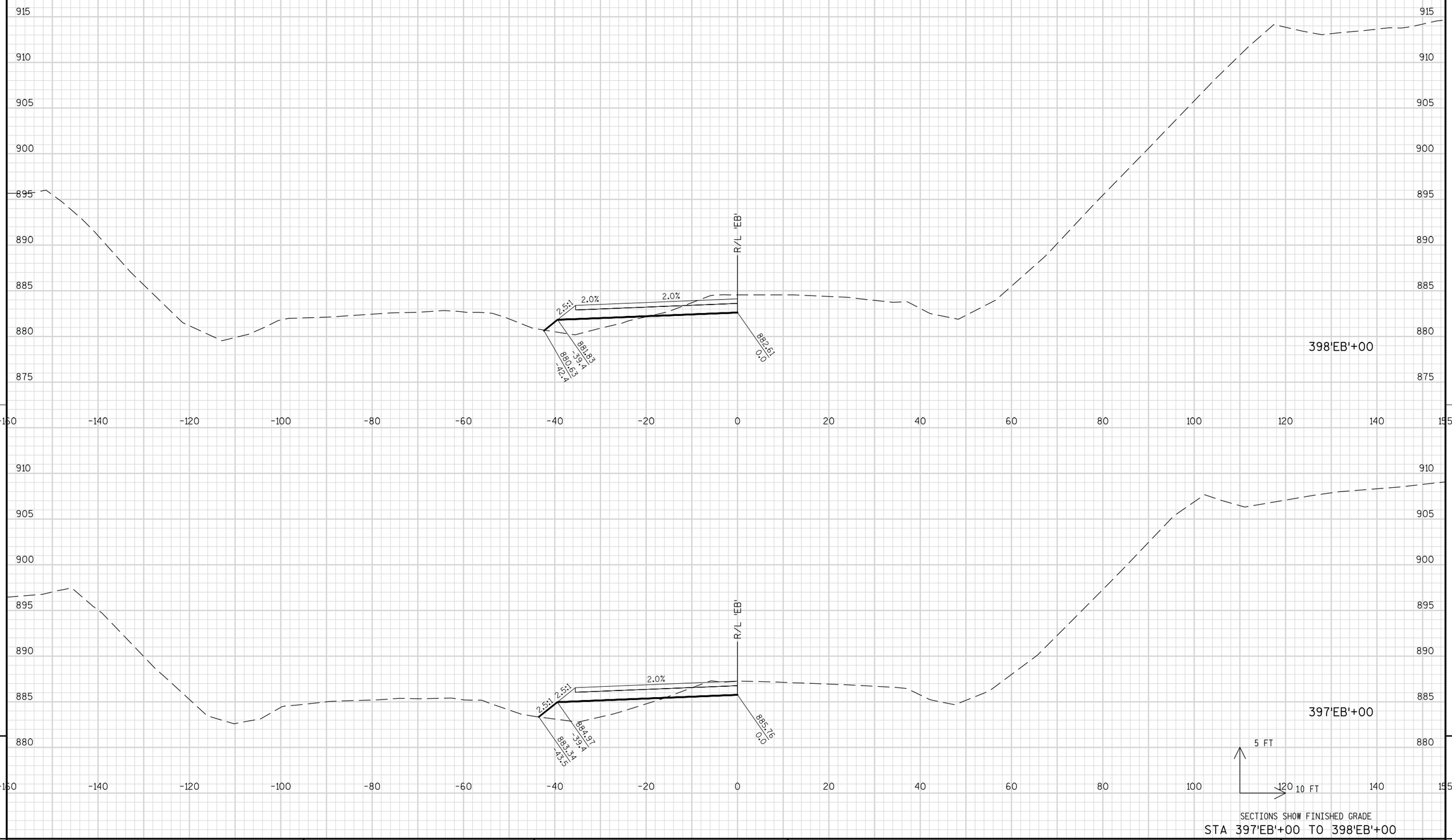
STA 395'EB'+00 TO 396'EB'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 EB TEMPORARY WIDENING	SHEET NO: 1279	E

FILE NAME : CH_0803_090208_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 3

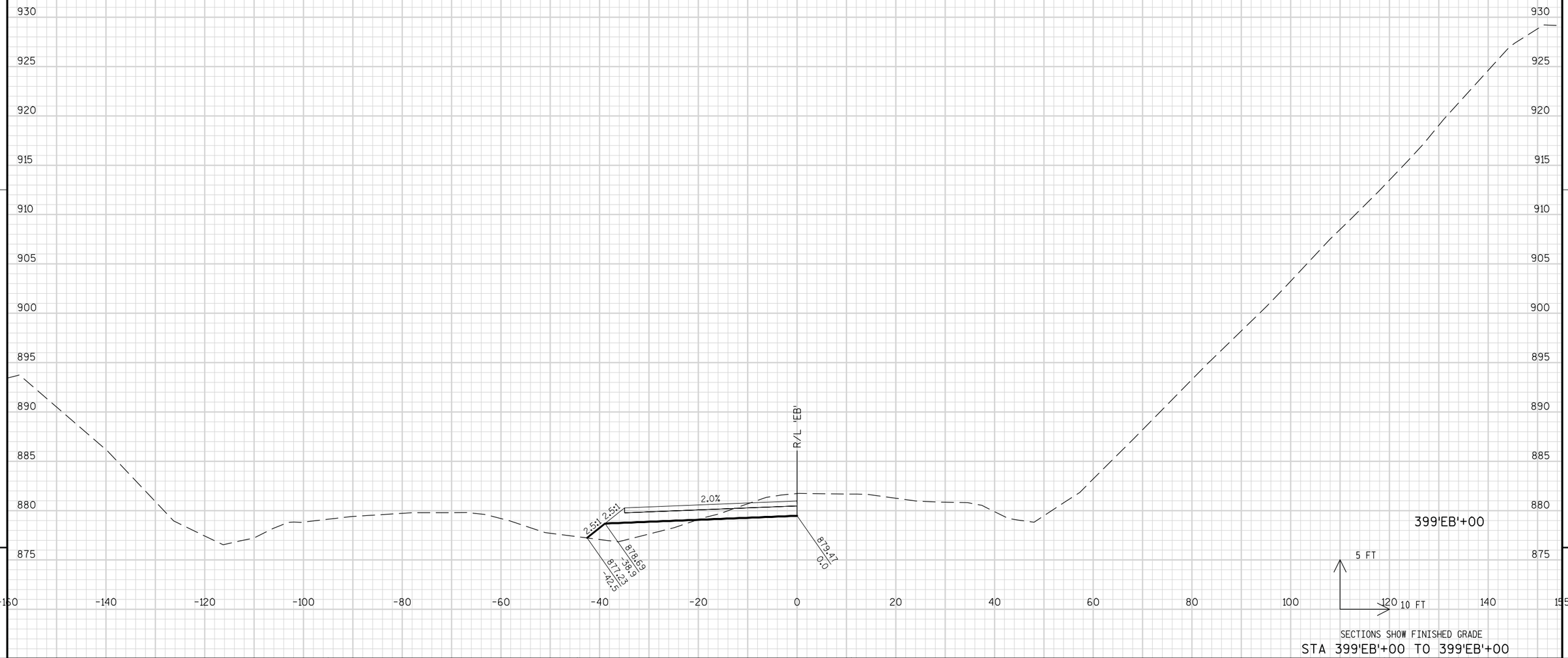


PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 EB TEMPORARY WIDENING	SHEET NO: 1280 E

FILE NAME : CH_0803_090208_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 3



SECTIONS SHOW FINISHED GRADE

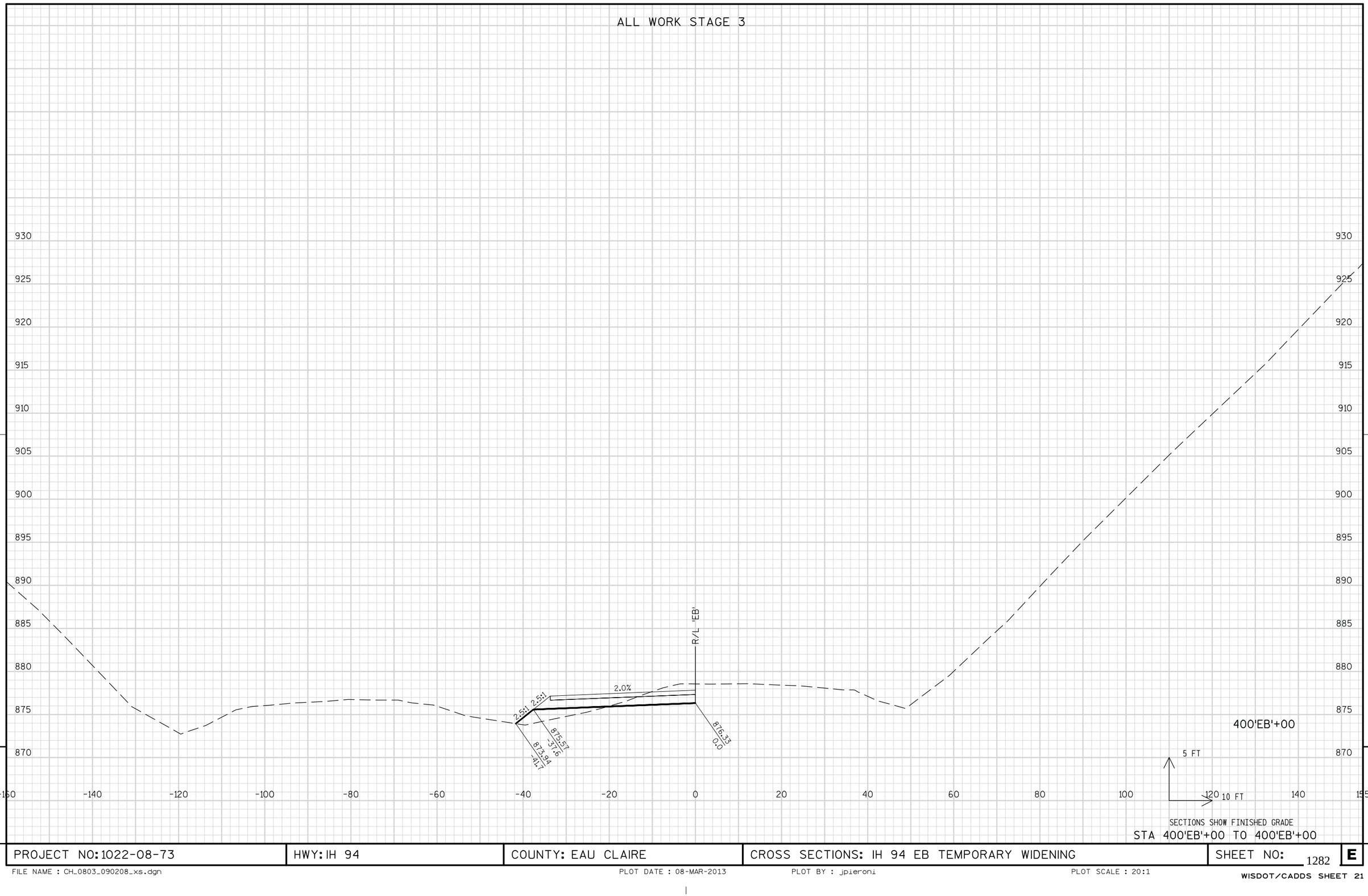
STA 399'EB'+00 TO 399'EB'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 EB TEMPORARY WIDENING	SHEET NO: 1281 E

FILE NAME : CH_0803_090208_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 3

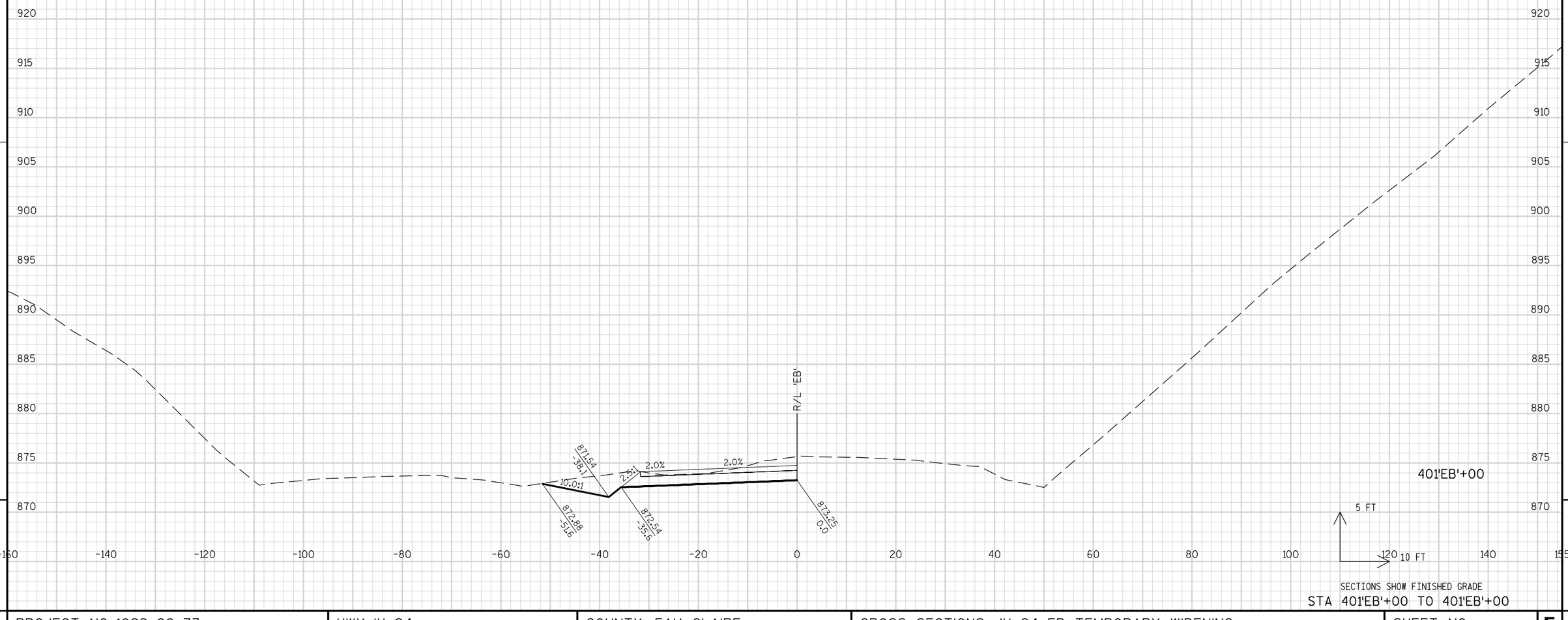


SECTIONS SHOW FINISHED GRADE

STA 400'EB'+00 TO 400'EB'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 EB TEMPORARY WIDENING	SHEET NO: 1282 E

ALL WORK STAGE 3

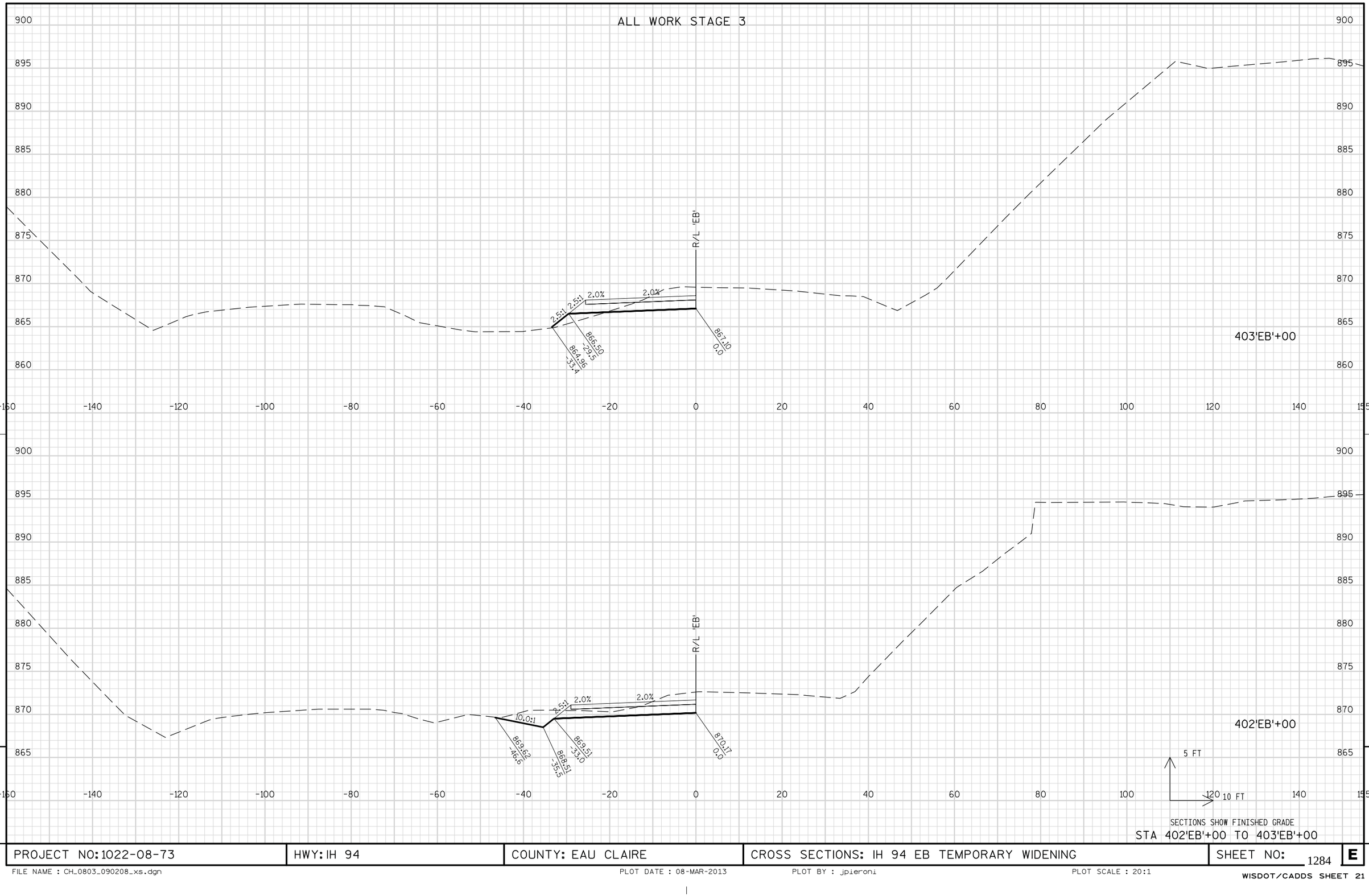


SECTIONS SHOW FINISHED GRADE

STA 401'EB'+00 TO 401'EB'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 EB TEMPORARY WIDENING	SHEET NO: 1283 E

ALL WORK STAGE 3

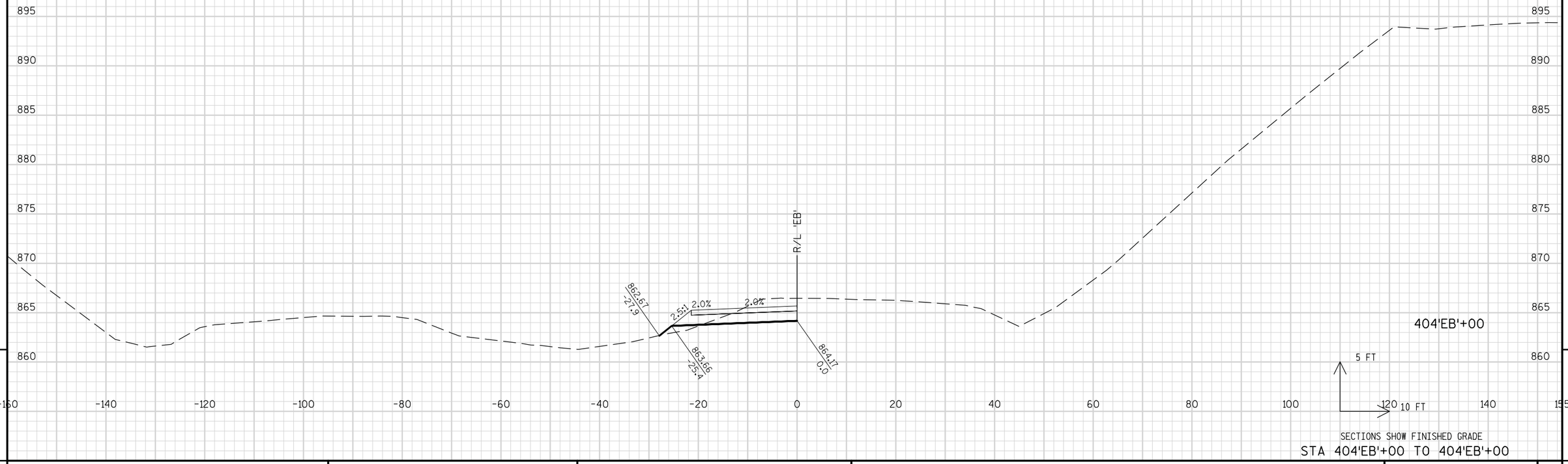


PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 EB TEMPORARY WIDENING	SHEET NO: 1284 E

FILE NAME : CH_0803_090208_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 3

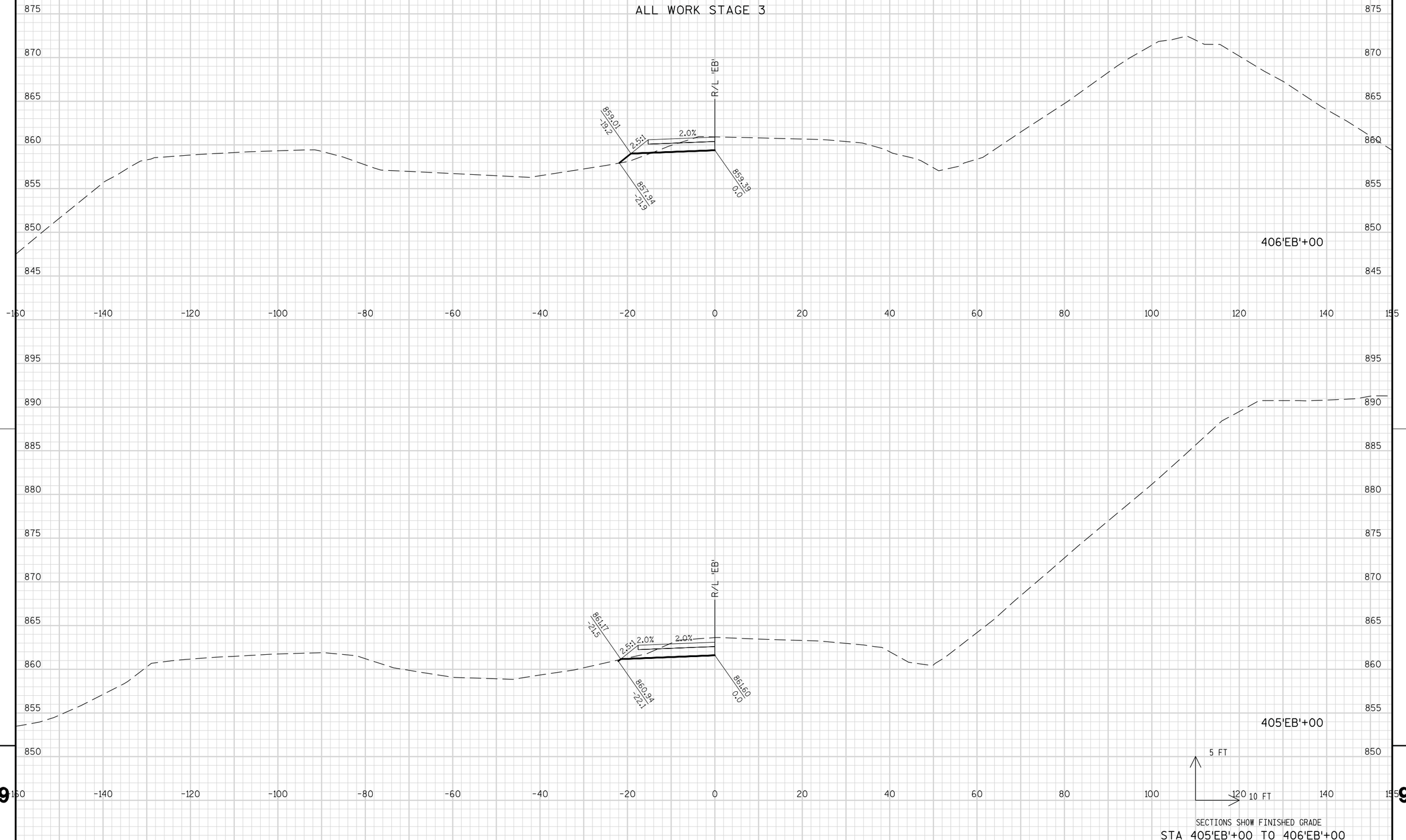


SECTIONS SHOW FINISHED GRADE

STA 404'EB'+00 TO 404'EB'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 EB TEMPORARY WIDENING	SHEET NO: 1285 E

ALL WORK STAGE 3



SECTIONS SHOW FINISHED GRADE

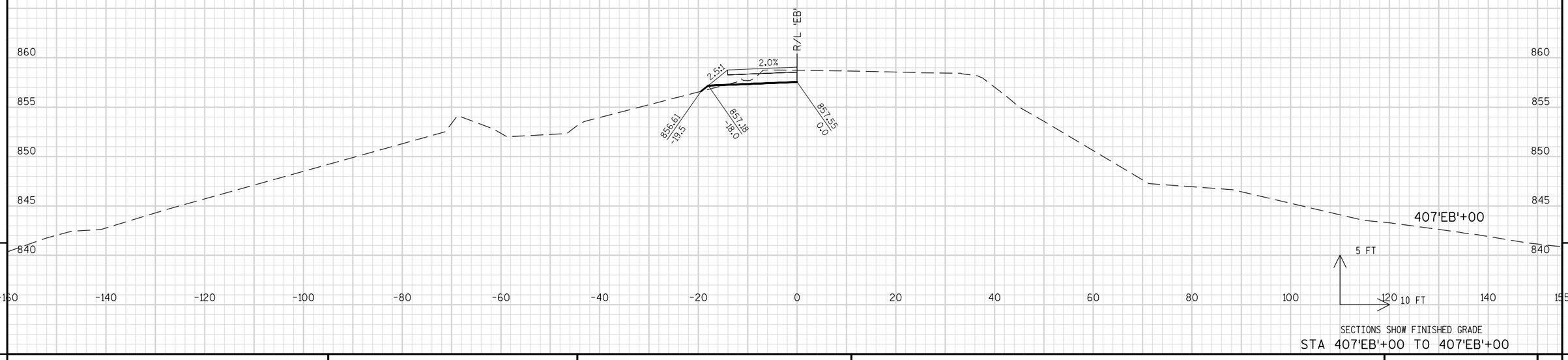
STA 405'EB'+00 TO 406'EB'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 EB TEMPORARY WIDENING	SHEET NO: 1286	E

FILE NAME : CH_0803_090208_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

ALL WORK STAGE 3

B-18-228
END ABRUPT

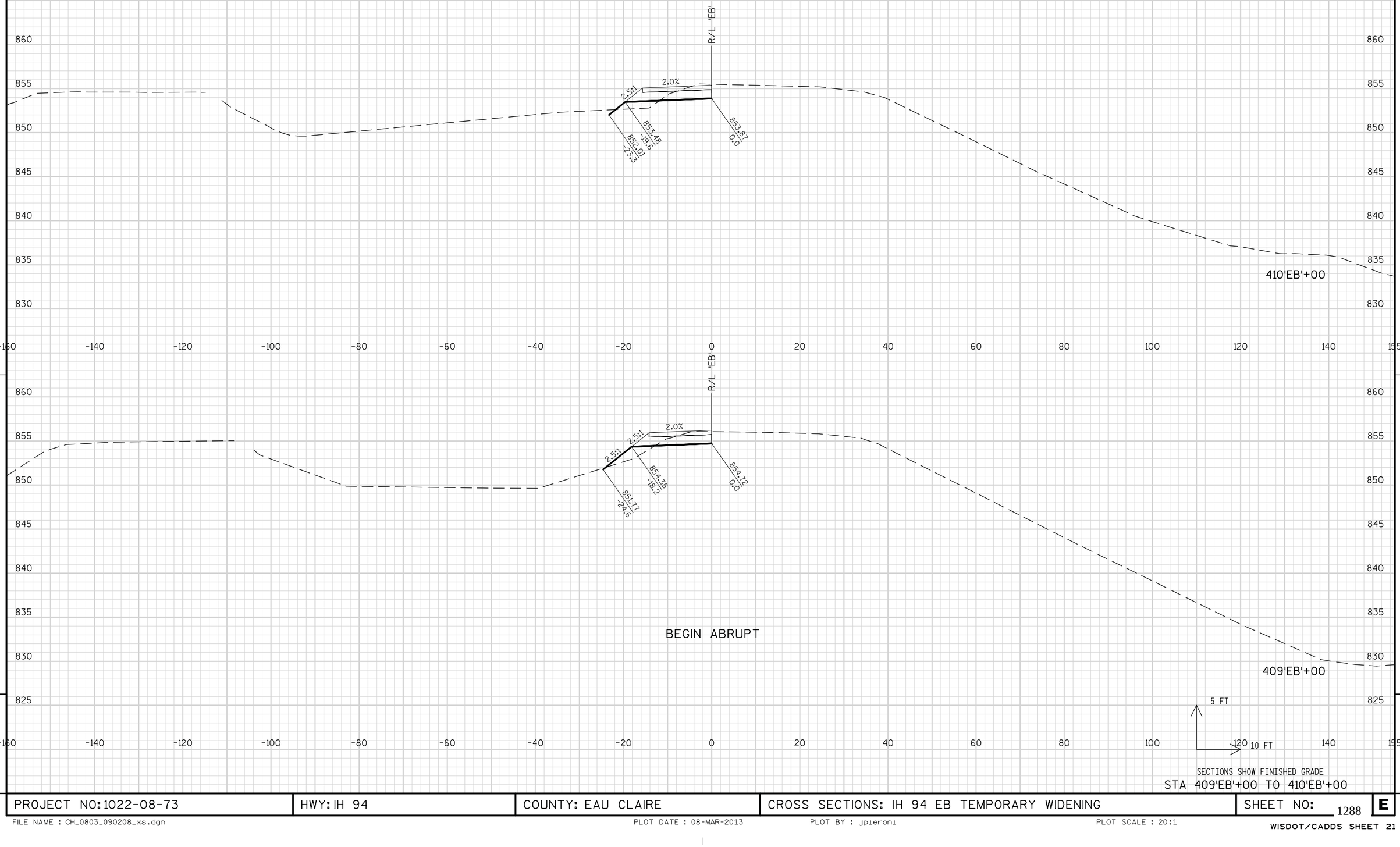


SECTIONS SHOW FINISHED GRADE
STA 407'EB'+00 TO 407'EB'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 EB TEMPORARY WIDENING	SHEET NO: 1287 E

FILE NAME : CH_0803_090208_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

ALL WORK STAGE 3



BEGIN ABRUPT

5 FT

10 FT

SECTIONS SHOW FINISHED GRADE

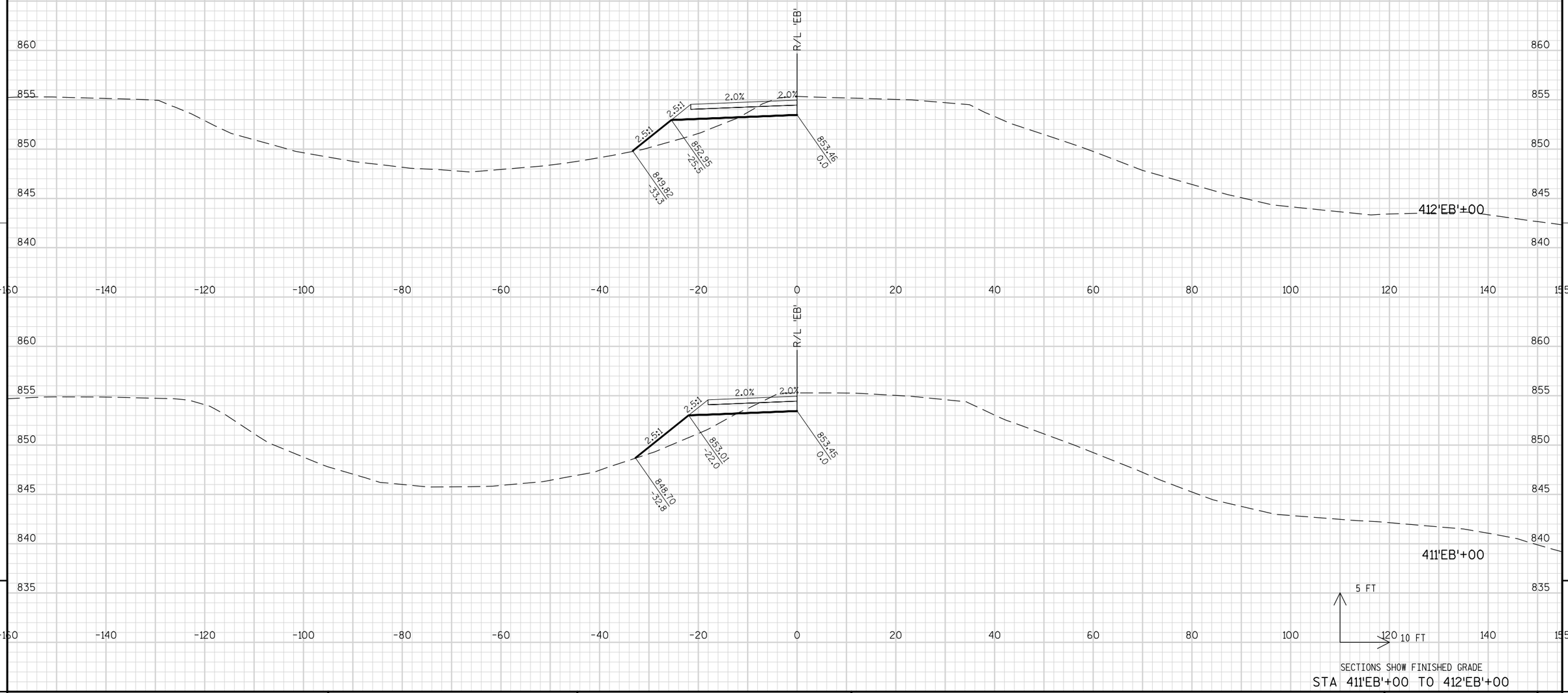
STA 409'EB'+00 TO 410'EB'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 EB TEMPORARY WIDENING	SHEET NO: 1288	E

FILE NAME : CH_0803_090208_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 3



SECTIONS SHOW FINISHED GRADE

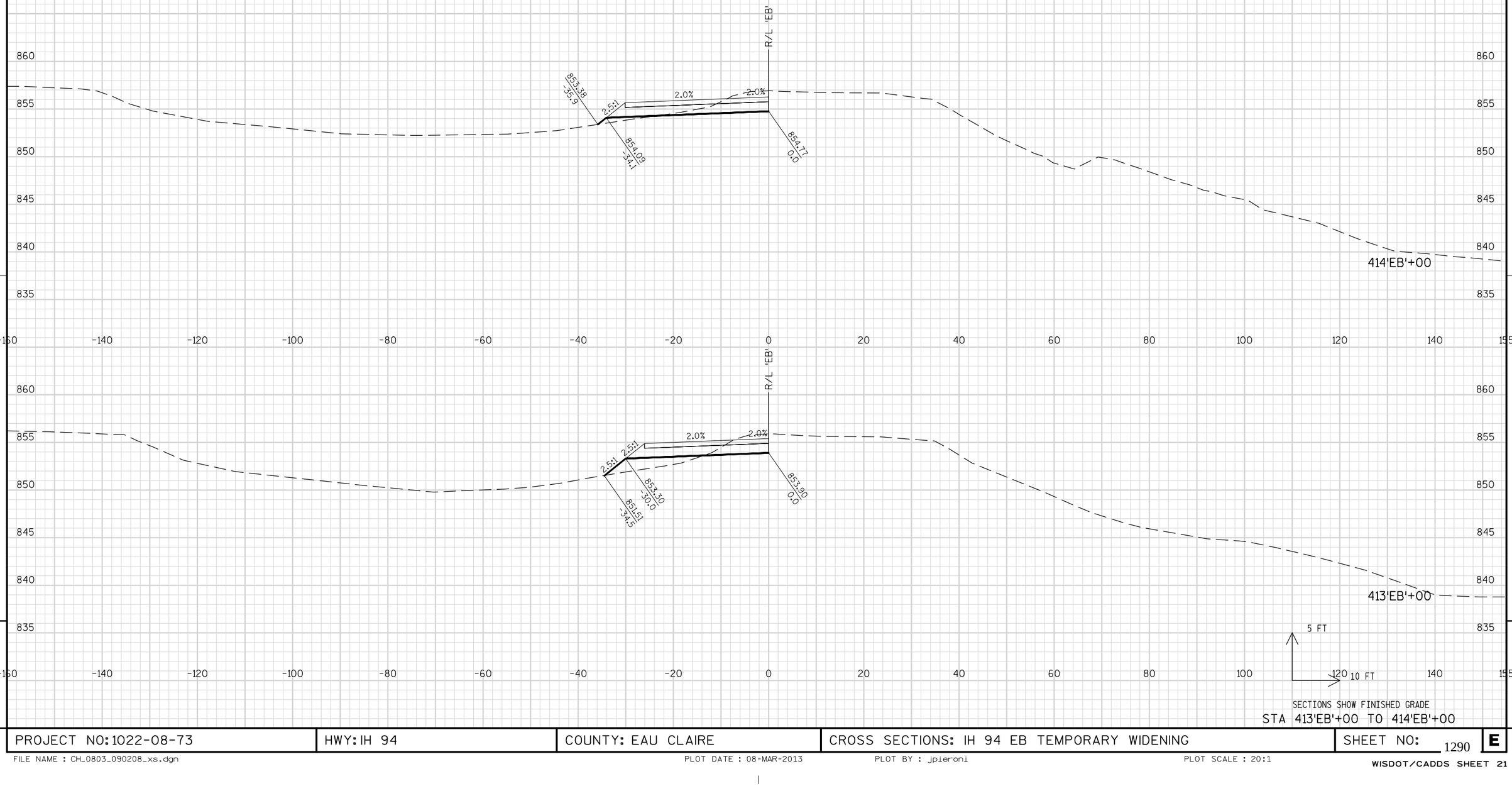
STA 411'EB'+00 TO 412'EB'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 EB TEMPORARY WIDENING	SHEET NO: 1289 E

FILE NAME : CH_0803_090208_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 3



SECTIONS SHOW FINISHED GRADE

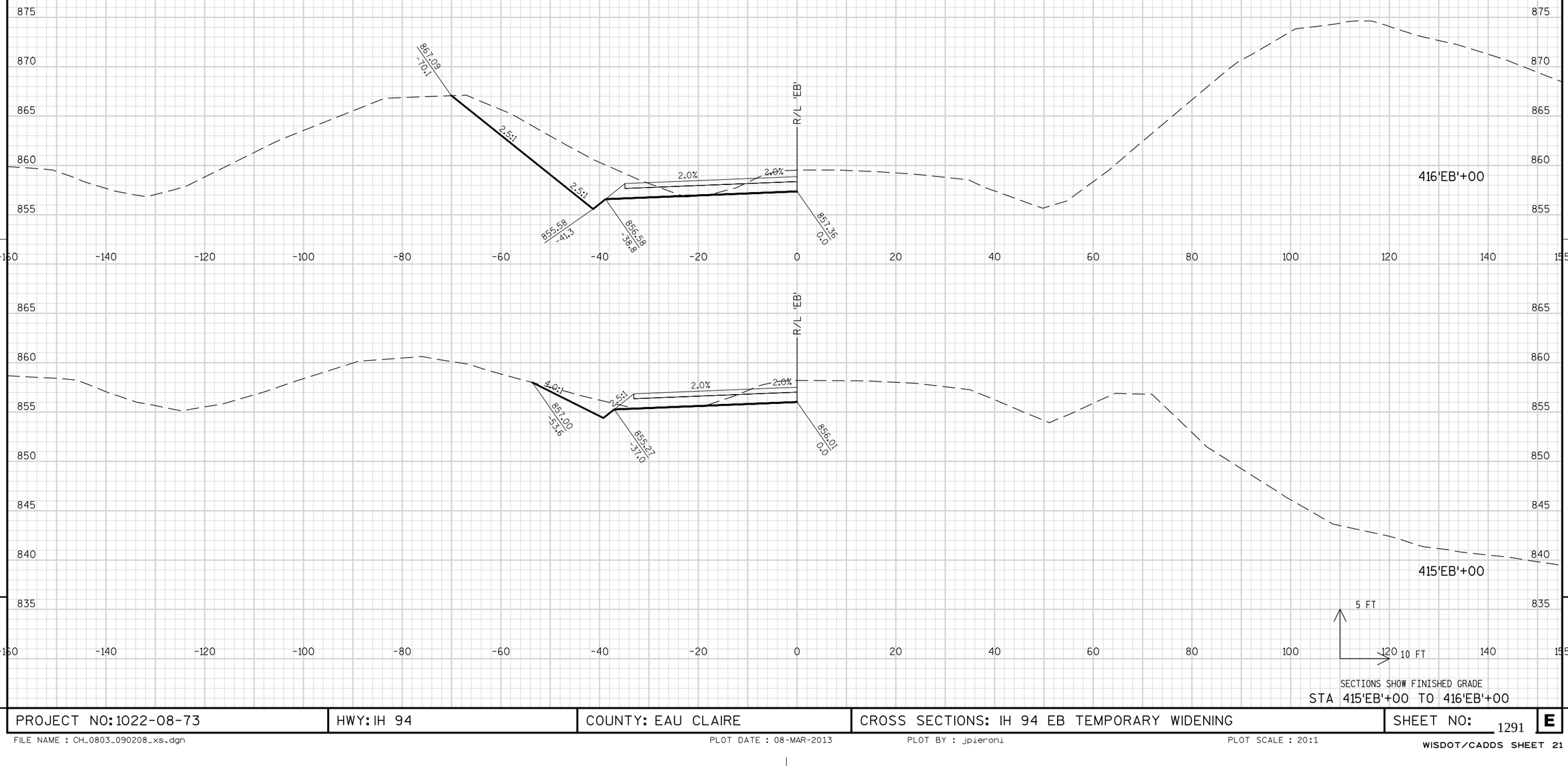
STA 413'EB'+00 TO 414'EB'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 EB TEMPORARY WIDENING	SHEET NO: 1290 E

FILE NAME : CH_0803_090208_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 3

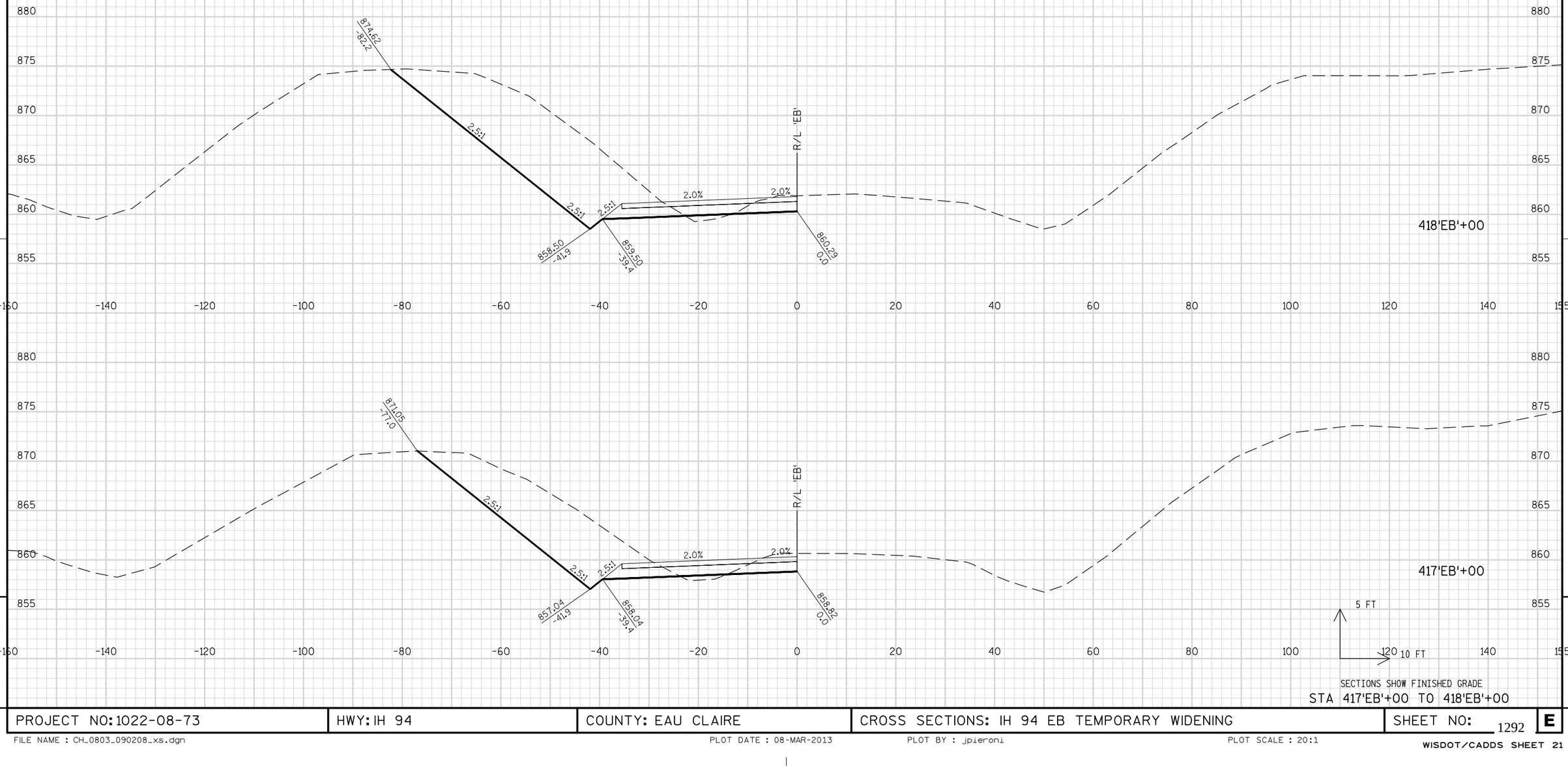


PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 EB TEMPORARY WIDENING	SHEET NO: 1291 E

FILE NAME : CH_0803_090208_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 3

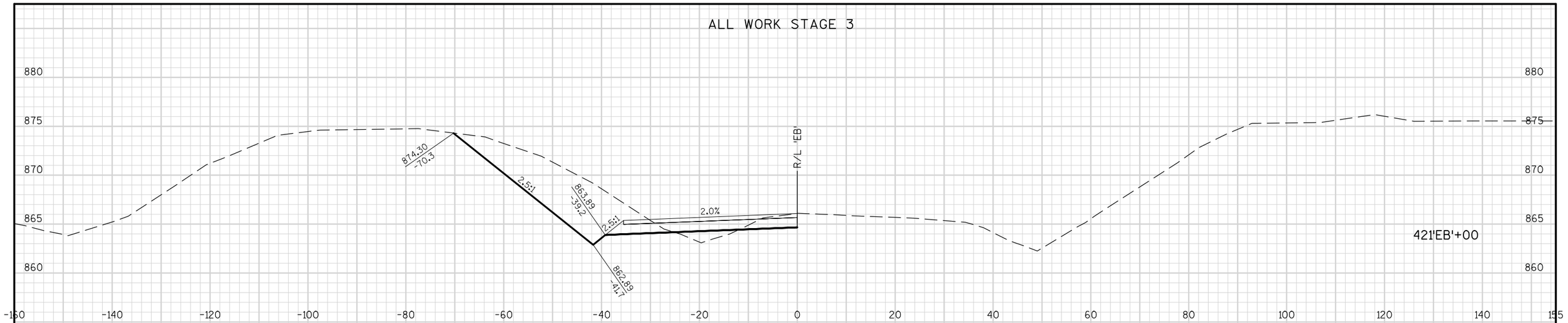


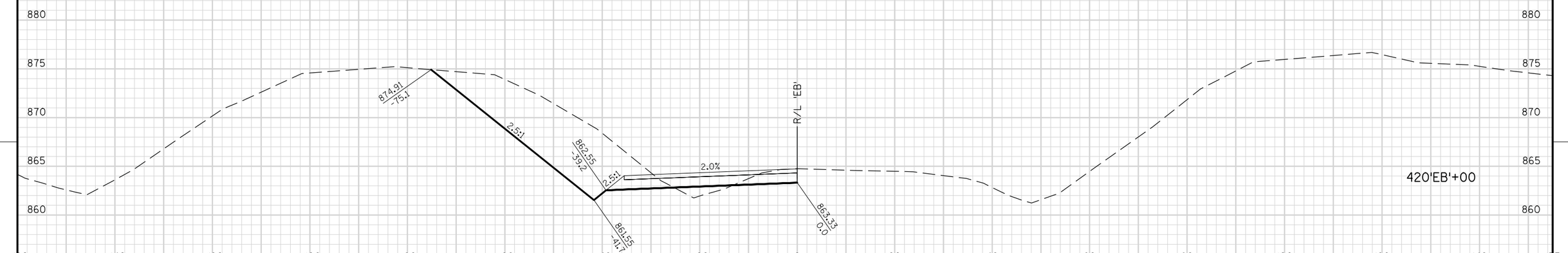
PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 EB TEMPORARY WIDENING	SHEET NO: 1292 E

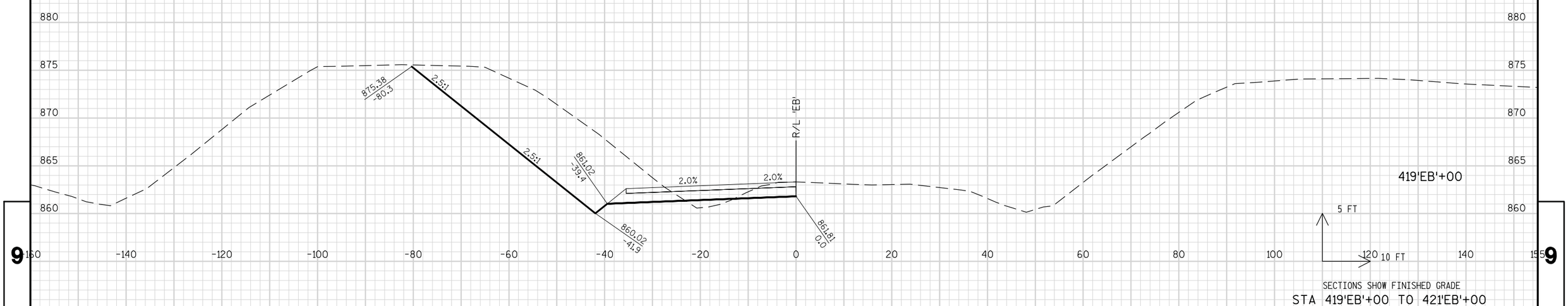
FILE NAME : CH_0803_090208_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 3







SECTIONS SHOW FINISHED GRADE

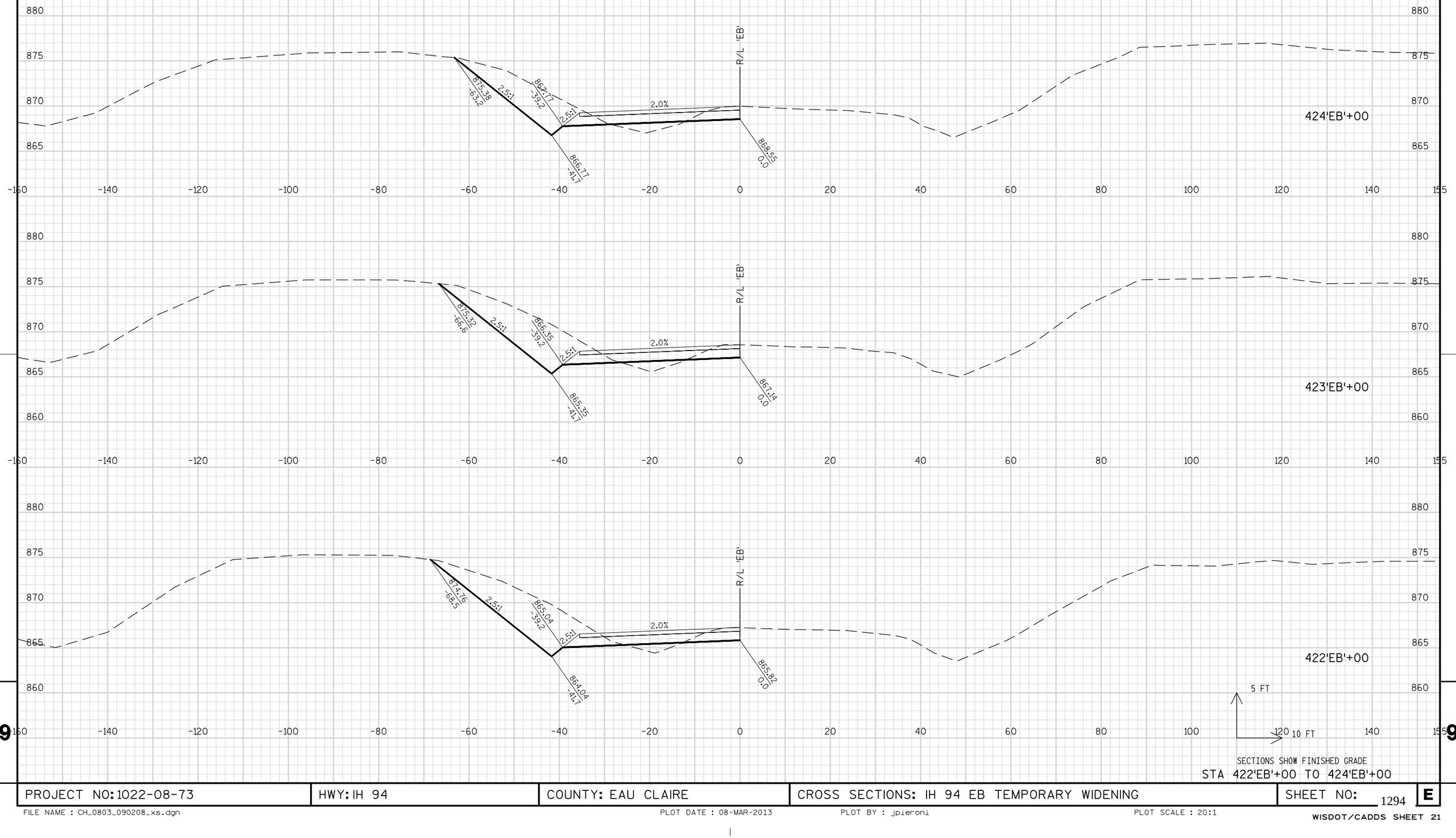
STA 419'EB'+00 TO 421'EB'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 EB TEMPORARY WIDENING	SHEET NO: 1293	E

FILE NAME : CH_0803_090208_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 3

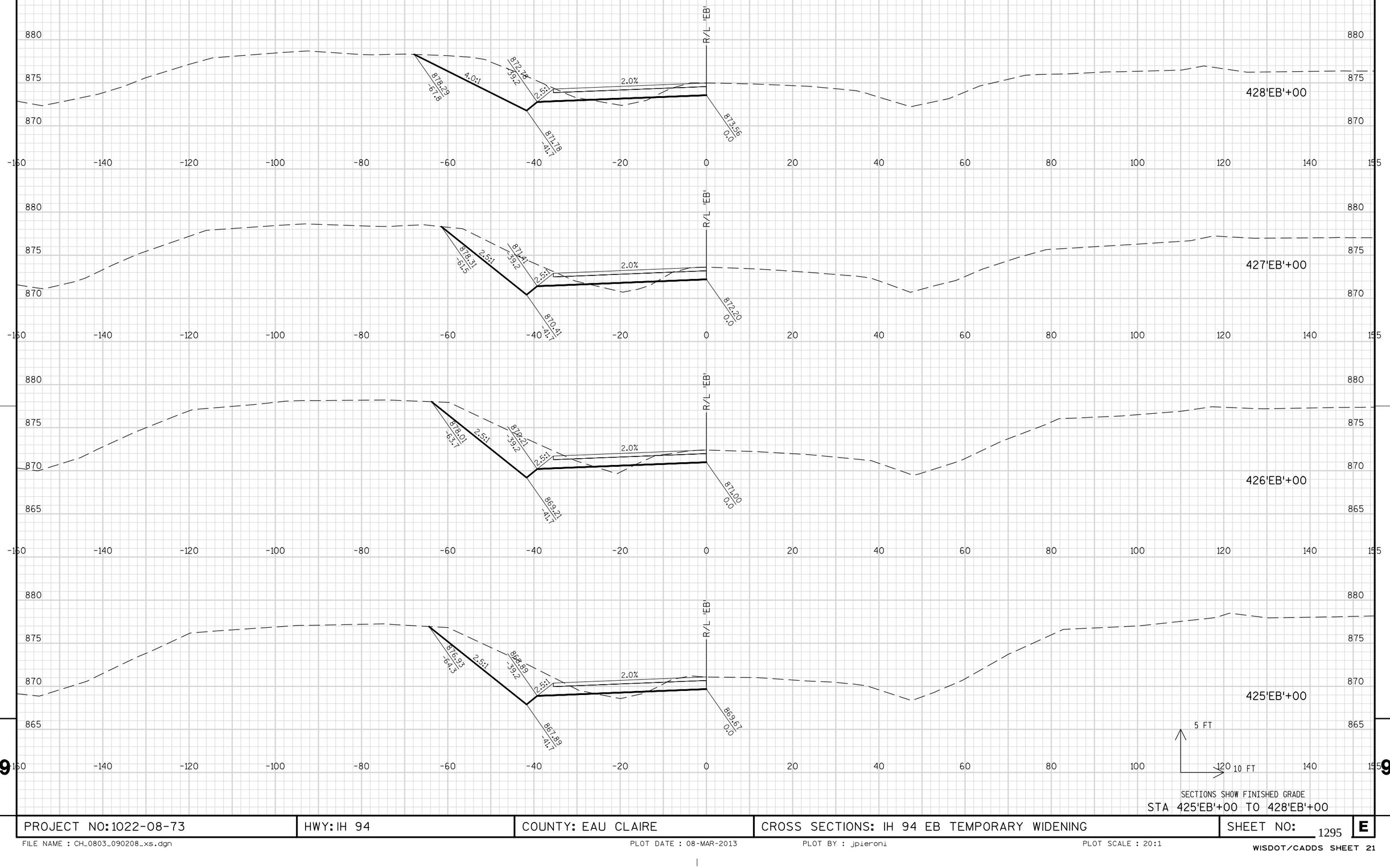


SECTIONS SHOW FINISHED GRADE

STA 422'EB'+00 TO 424'EB'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 EB TEMPORARY WIDENING	SHEET NO: 1294	E

ALL WORK STAGE 3



SECTIONS SHOW FINISHED GRADE

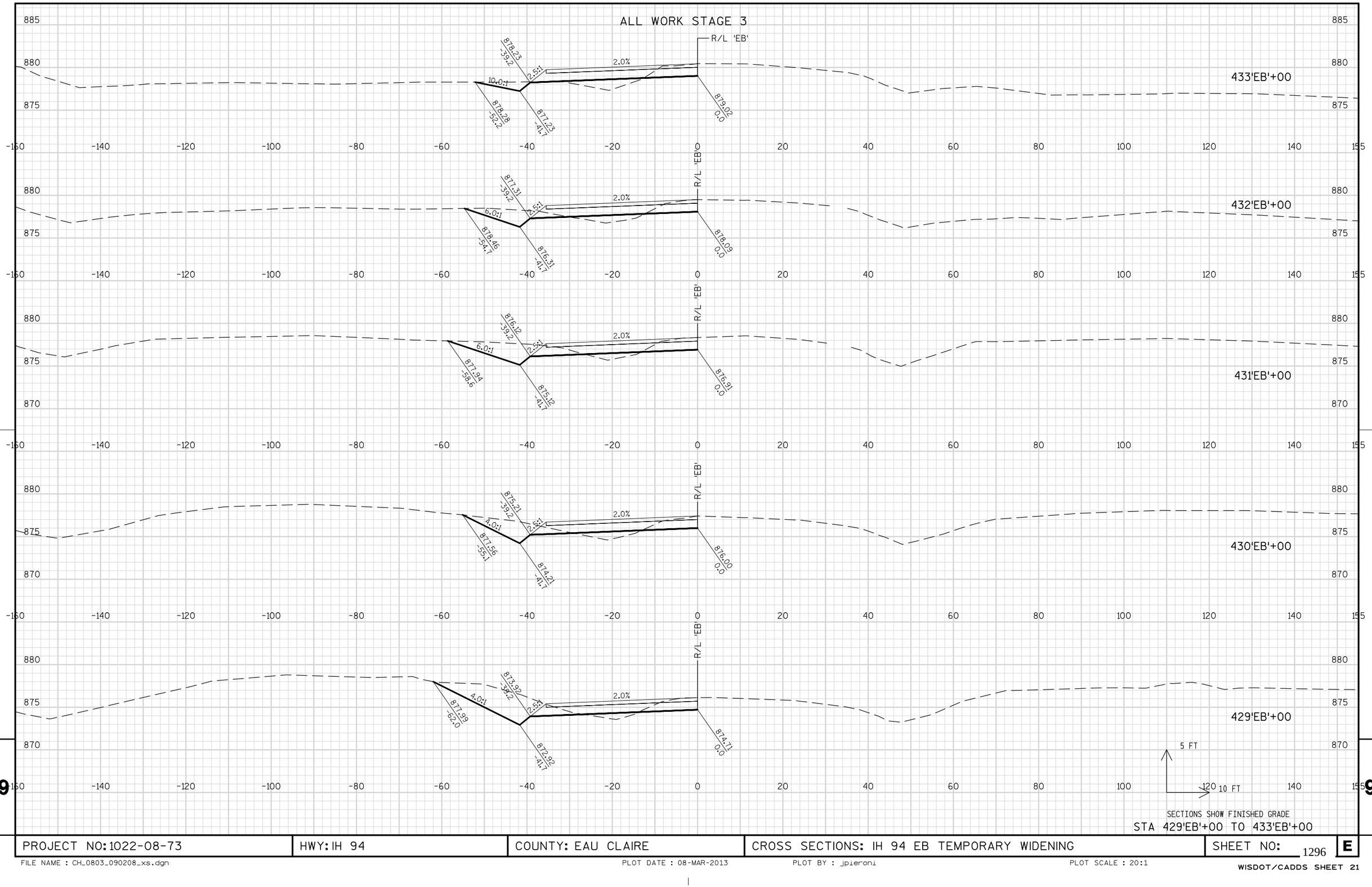
STA 425'EB'+00 TO 428'EB'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 EB TEMPORARY WIDENING	SHEET NO: 1295 E

FILE NAME : CH_0803_090208_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 3



SECTIONS SHOW FINISHED GRADE

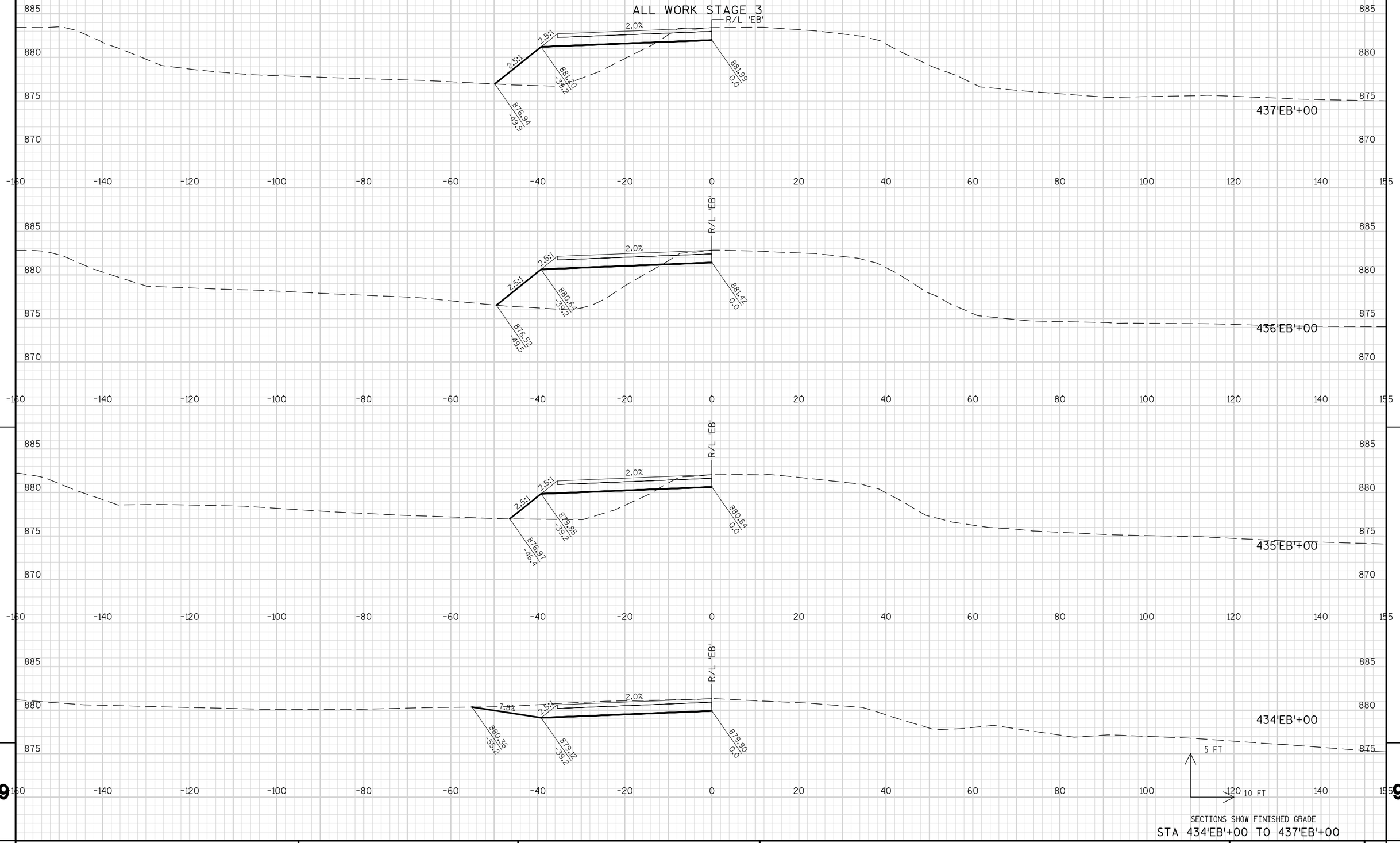
STA 429'EB'+00 TO 433'EB'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 EB TEMPORARY WIDENING	SHEET NO: 1296 E

FILE NAME : CH_0803_090208_xs.dgn | PLOT DATE : 08-MAR-2013 | PLOT BY : jpieroni | PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 3



SECTIONS SHOW FINISHED GRADE

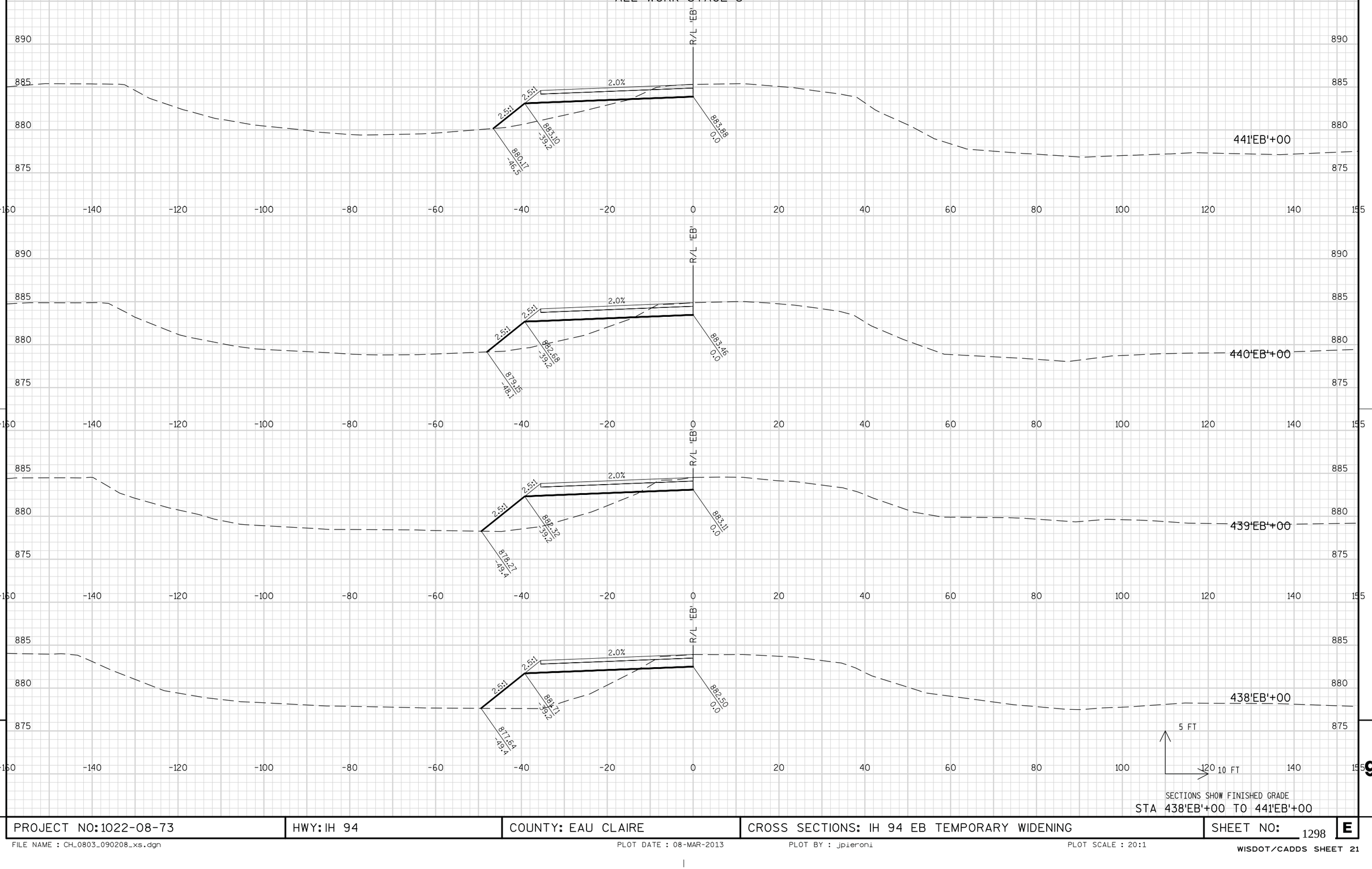
STA 434'EB'+00 TO 437'EB'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 EB TEMPORARY WIDENING	SHEET NO: 1297	E

FILE NAME : CH_0803_090208_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 3



SECTIONS SHOW FINISHED GRADE

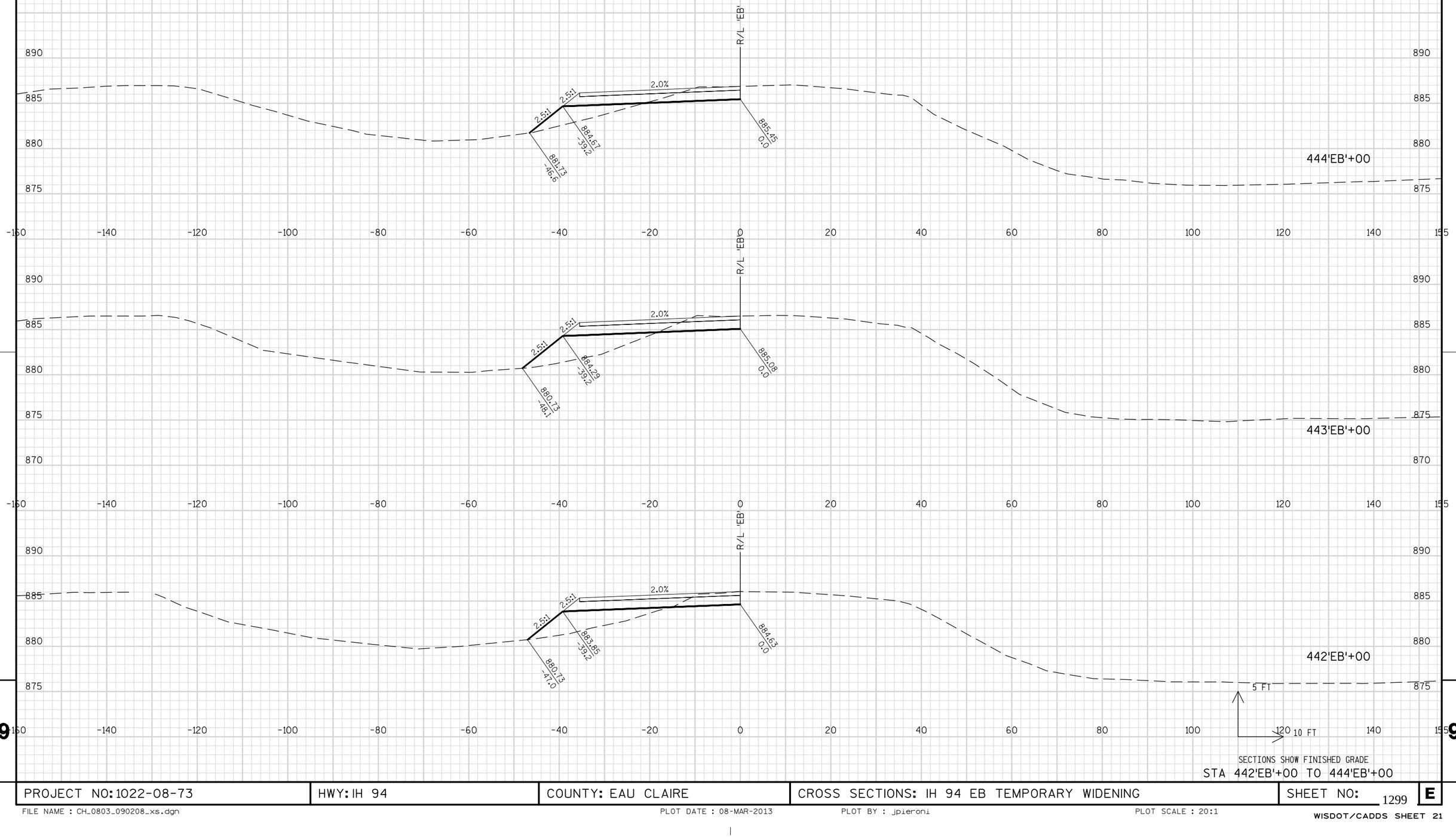
STA 438'EB'+00 TO 441'EB'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 EB TEMPORARY WIDENING	SHEET NO: 1298 E

FILE NAME : CH_0803_090208_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 3



SECTIONS SHOW FINISHED GRADE

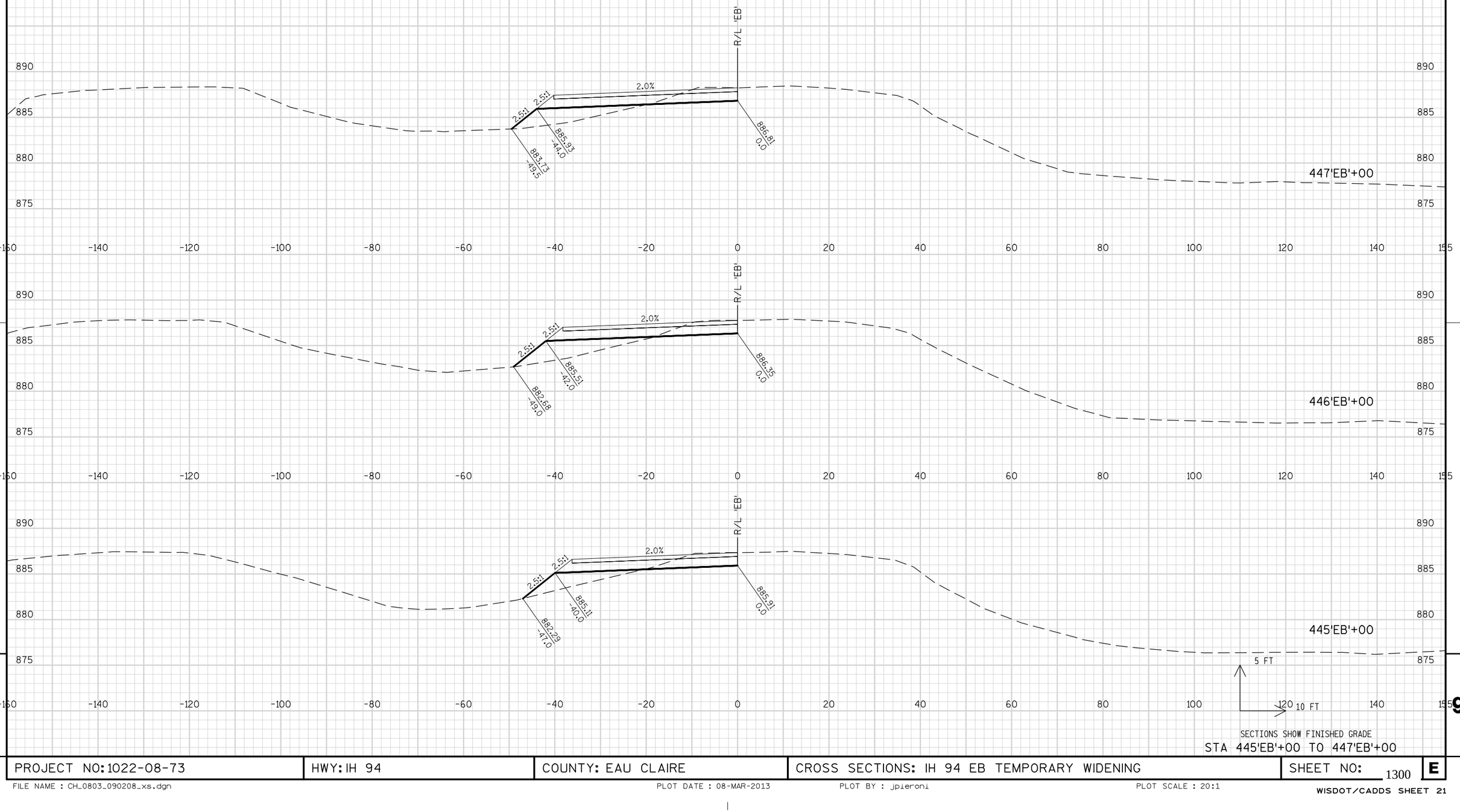
STA 442'EB'+00 TO 444'EB'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 EB TEMPORARY WIDENING	SHEET NO: 1299	E

FILE NAME : CH_0803_090208_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 3



SECTIONS SHOW FINISHED GRADE

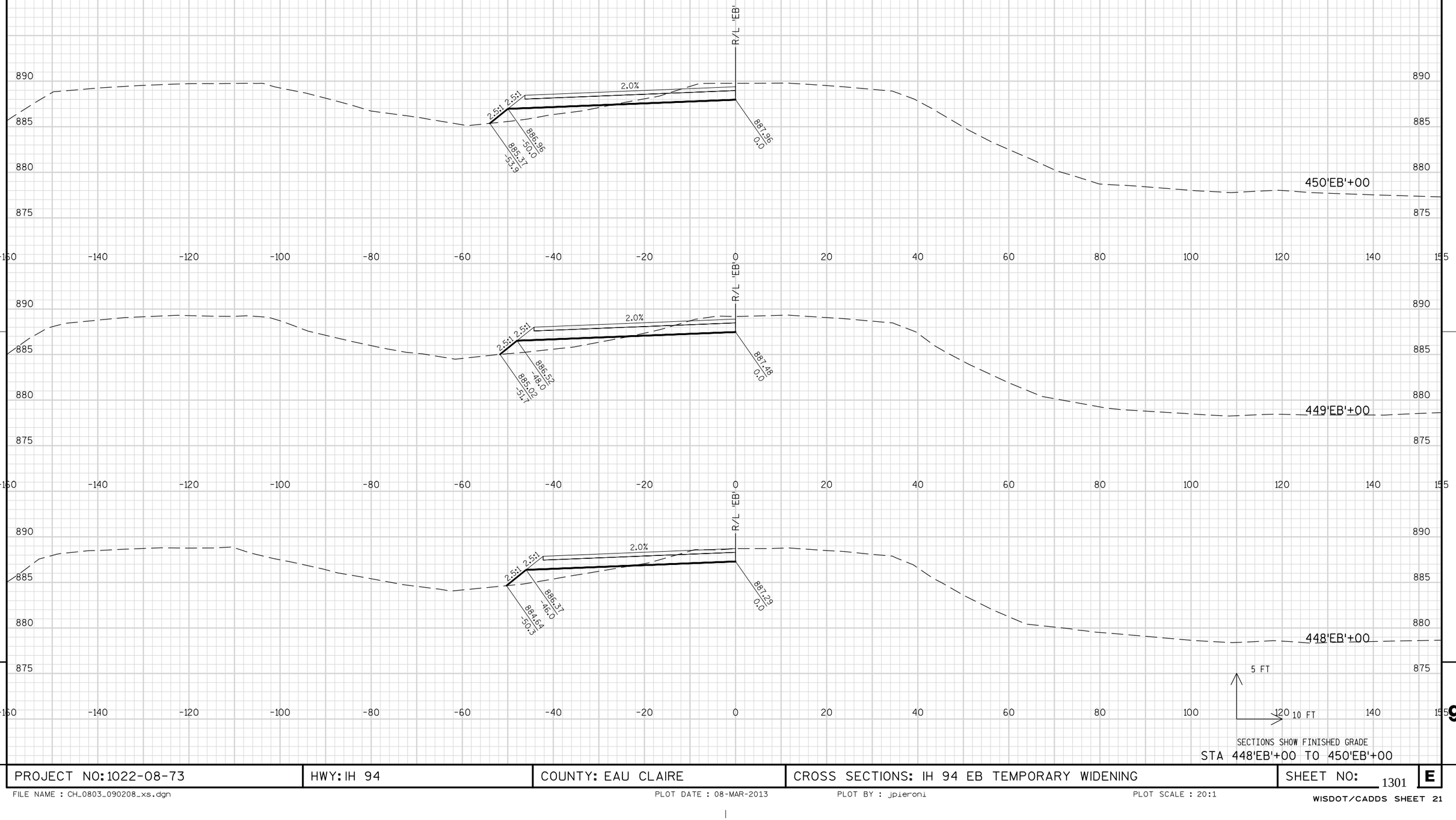
STA 445'EB'+00 TO 447'EB'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 EB TEMPORARY WIDENING	SHEET NO: 1300 E

FILE NAME : CH_0803_090208_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 3



SECTIONS SHOW FINISHED GRADE

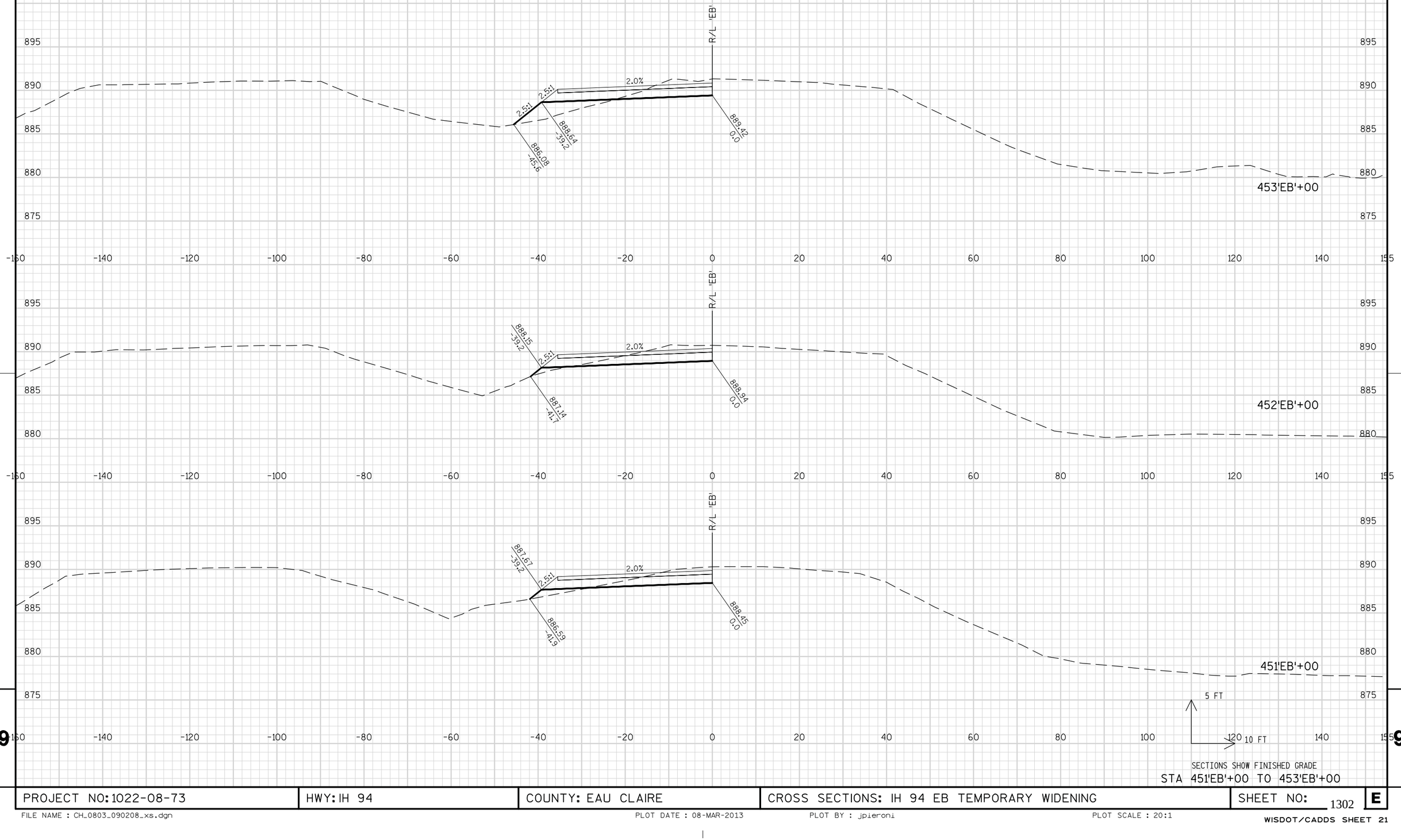
STA 448'EB'+00 TO 450'EB'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 EB TEMPORARY WIDENING	SHEET NO: 1301 E

FILE NAME : CH_0803_090208_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 3



SECTIONS SHOW FINISHED GRADE

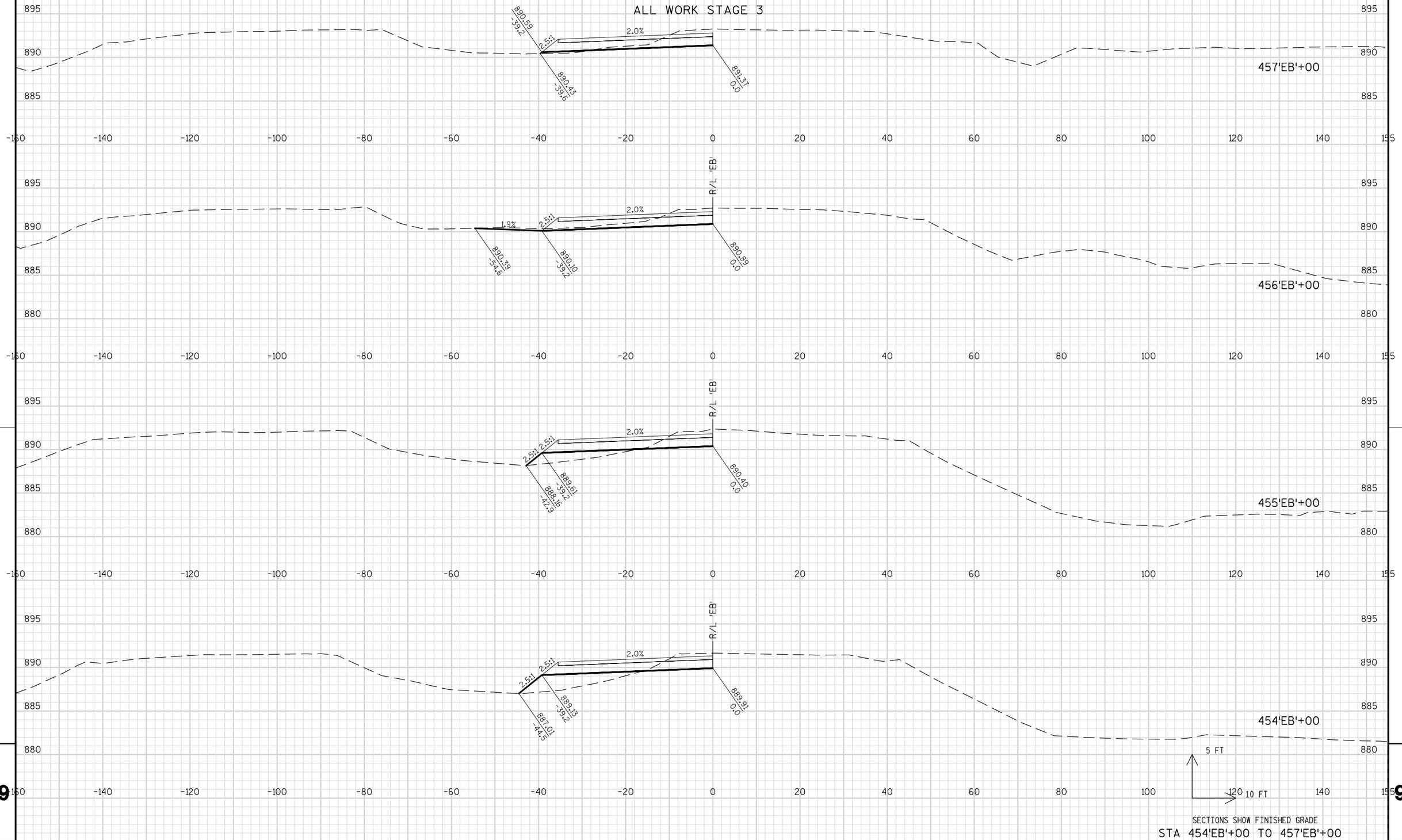
STA 451'EB'+00 TO 453'EB'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 EB TEMPORARY WIDENING	SHEET NO: 1302	E

FILE NAME : CH_0803_090208_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 3



SECTIONS SHOW FINISHED GRADE

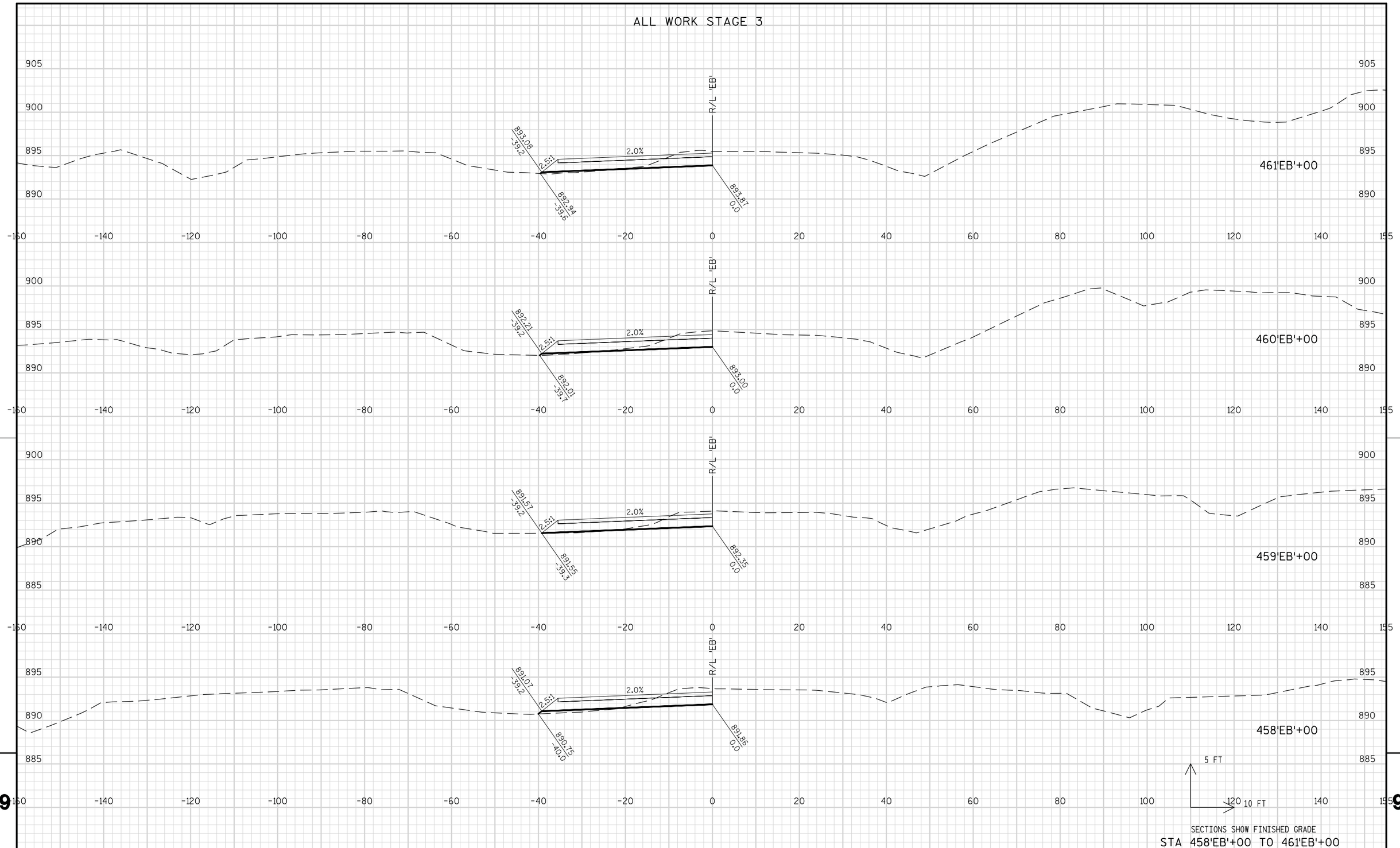
STA 454'EB'+00 TO 457'EB'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 EB TEMPORARY WIDENING	SHEET NO: 1303 E

FILE NAME : CH_0803_090208_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 3



SECTIONS SHOW FINISHED GRADE

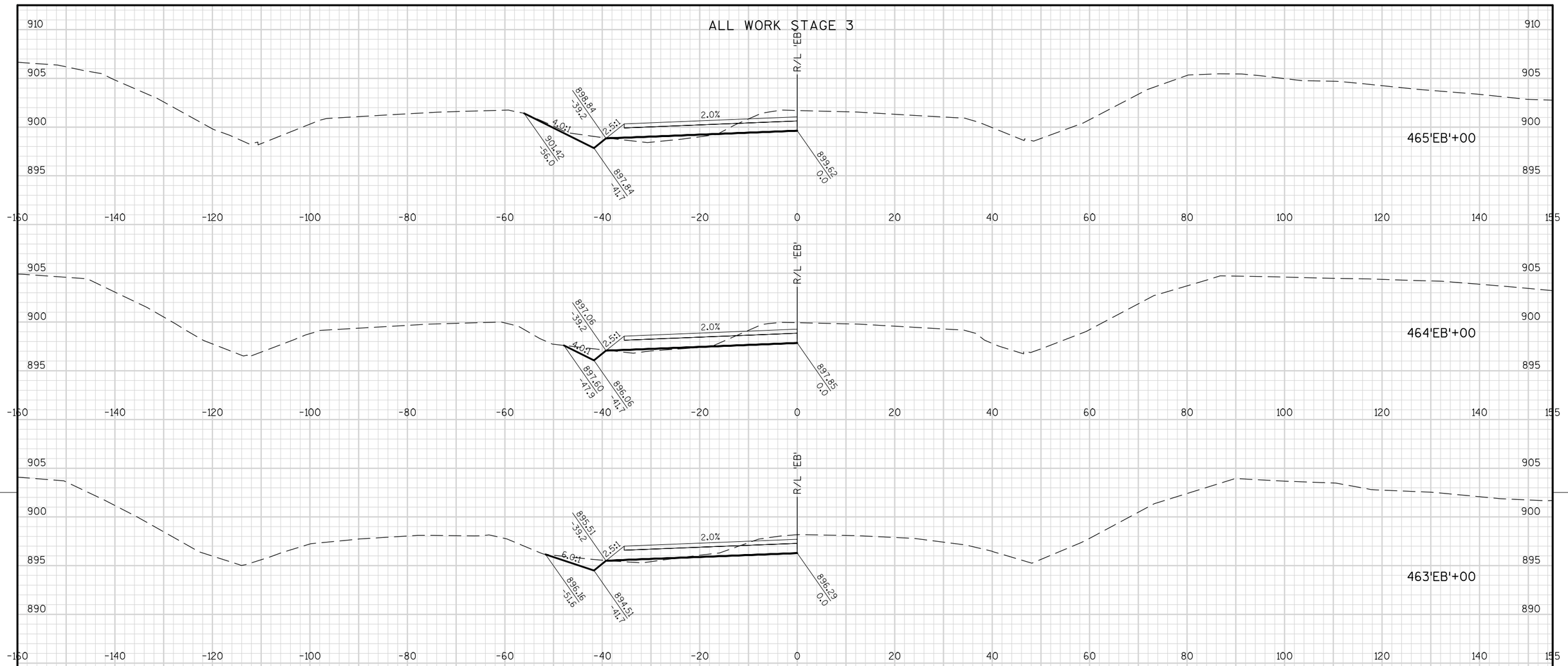
STA 458'EB'+00 TO 461'EB'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 EB TEMPORARY WIDENING	SHEET NO: 1304	E

FILE NAME : CH_0803_090208_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 3

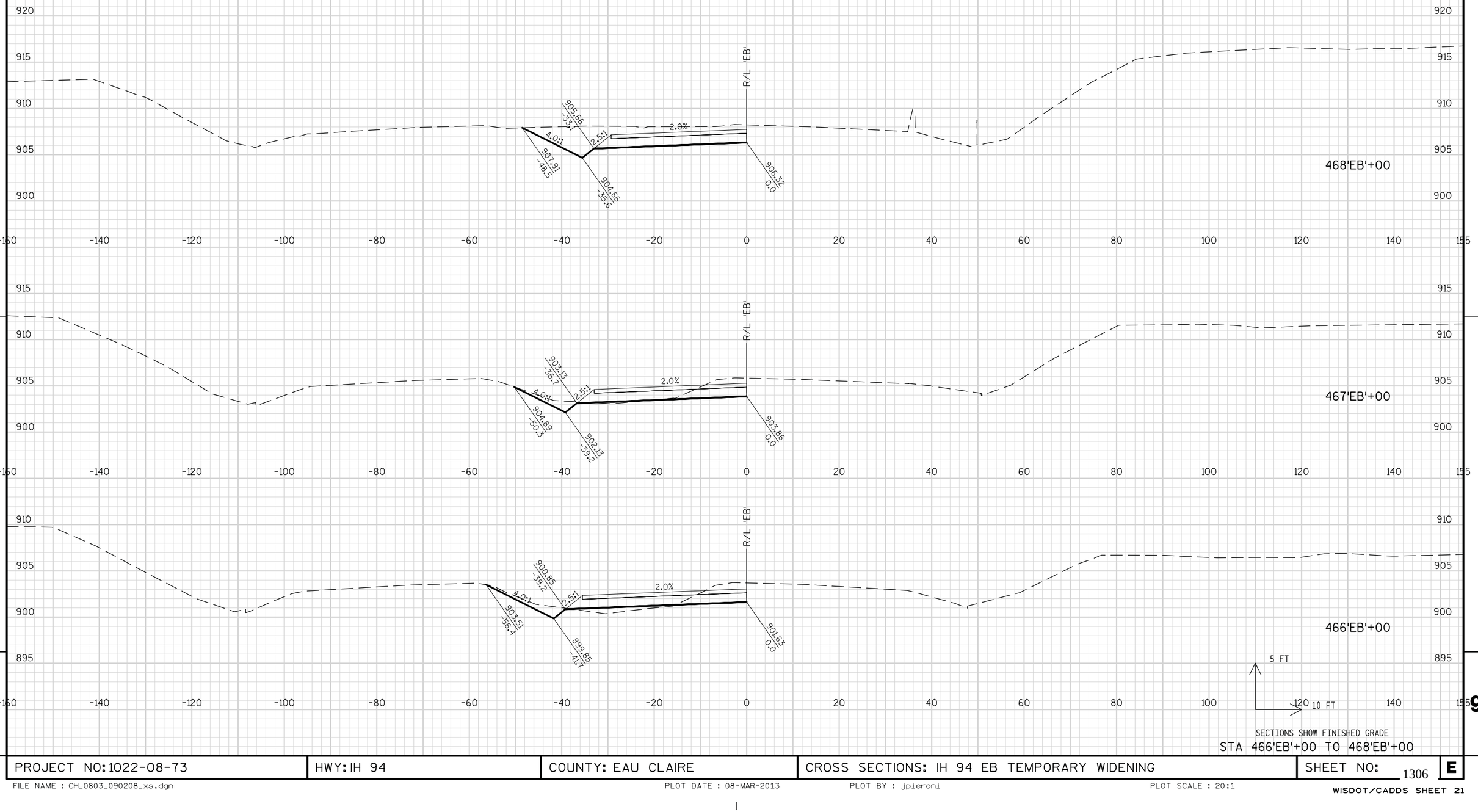


PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 EB TEMPORARY WIDENING	SHEET NO: 1305 E

FILE NAME : CH_0803_090208_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 3



SECTIONS SHOW FINISHED GRADE

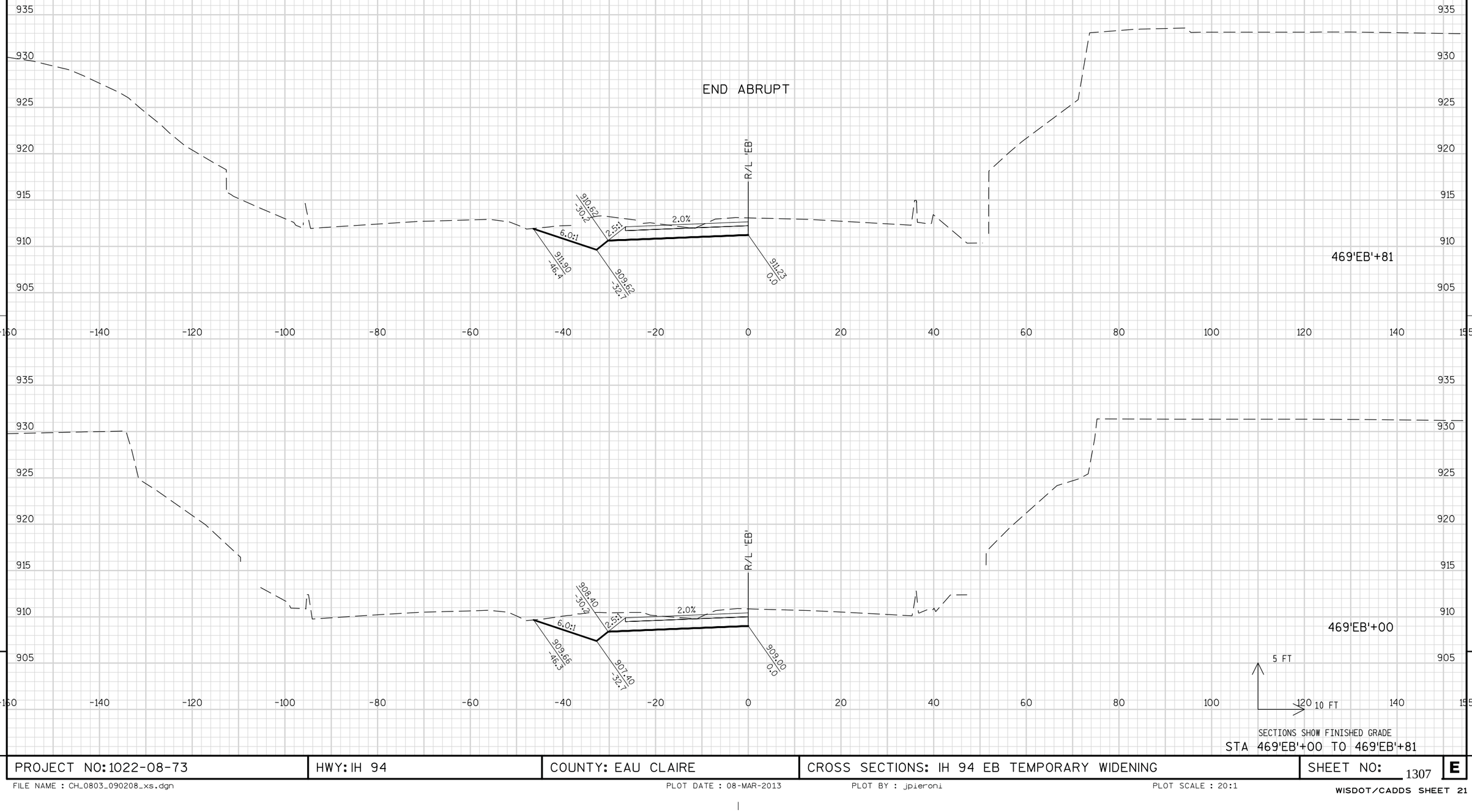
STA 466'EB'+00 TO 468'EB'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 EB TEMPORARY WIDENING	SHEET NO: 1306 E

FILE NAME : CH_0803_090208_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 3



SECTIONS SHOW FINISHED GRADE

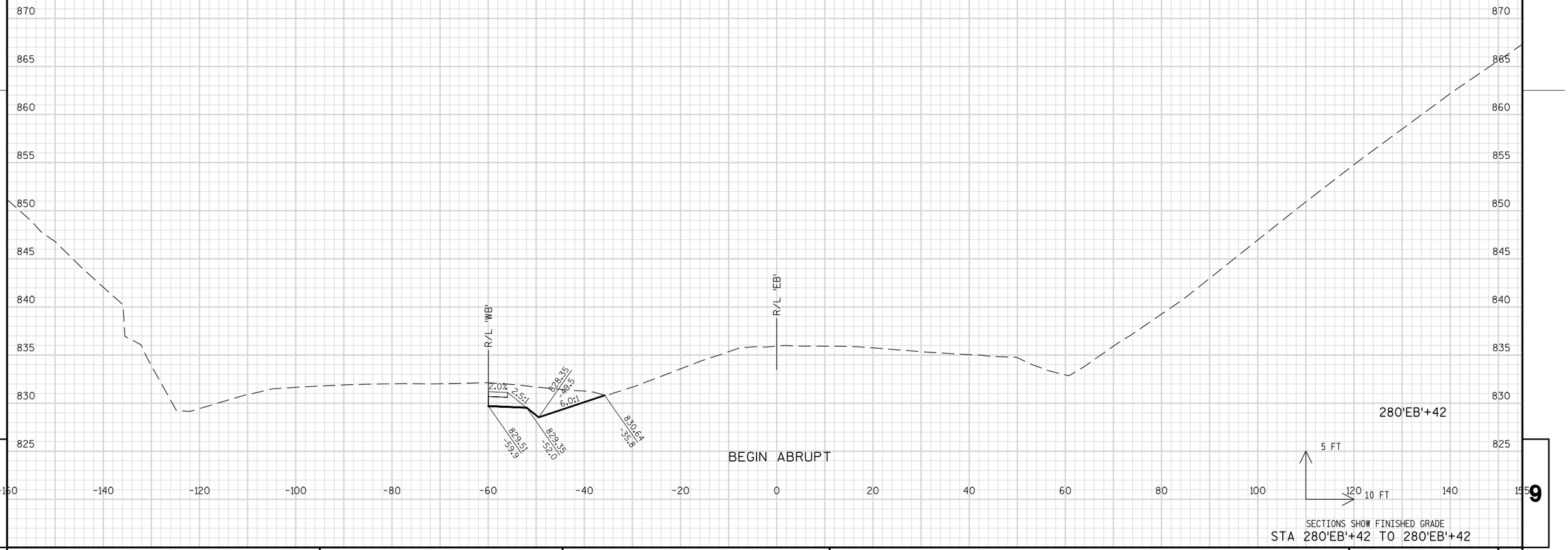
STA 469'EB'+00 TO 469'EB'+81

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 EB TEMPORARY WIDENING	SHEET NO: 1307 E

FILE NAME : CH_0803_090208_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 3

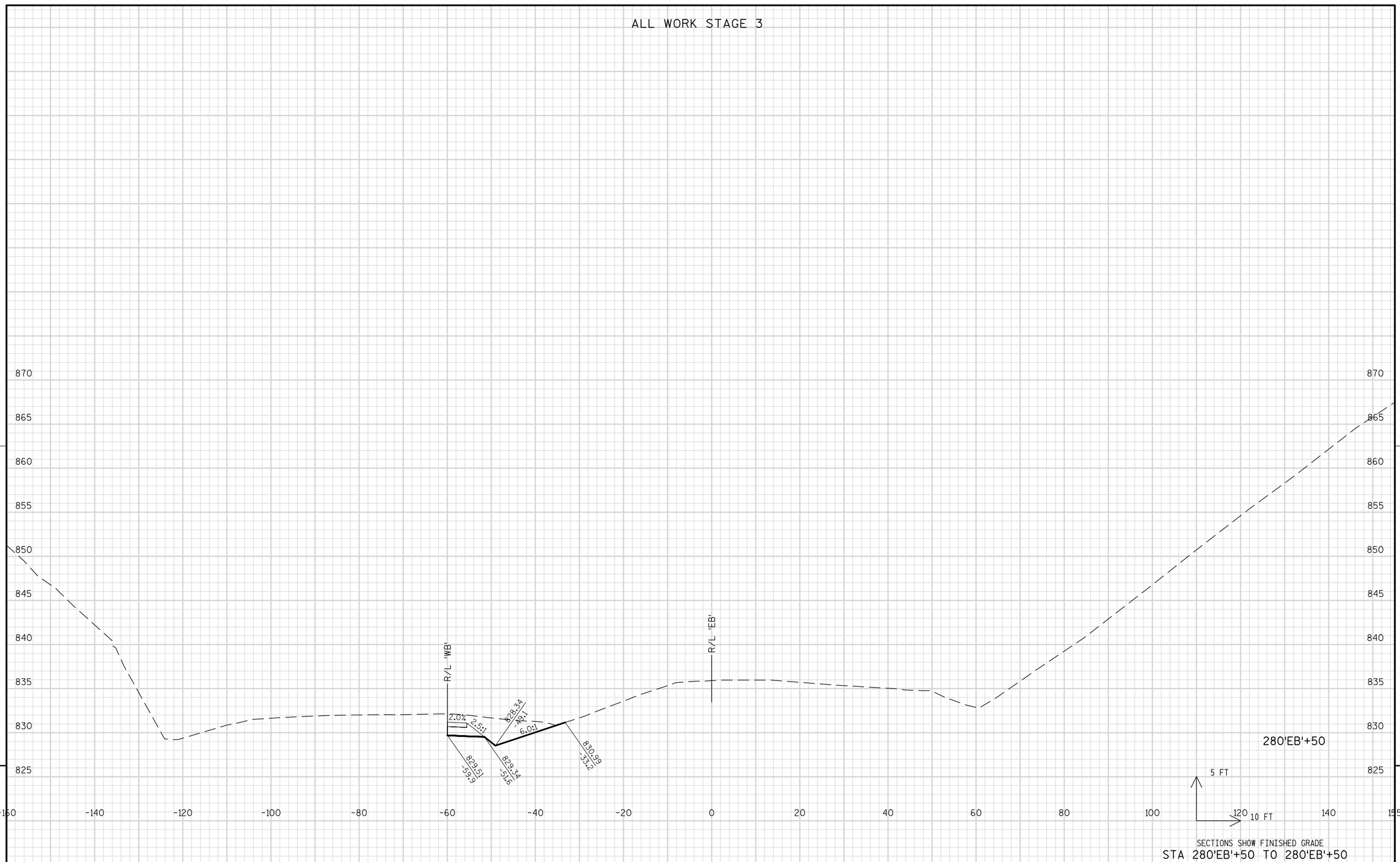


PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 CROSSOVER EAST OF STH 37	SHEET NO: 1308 E

FILE NAME : CH_0803_090209_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 3



SECTIONS SHOW FINISHED GRADE

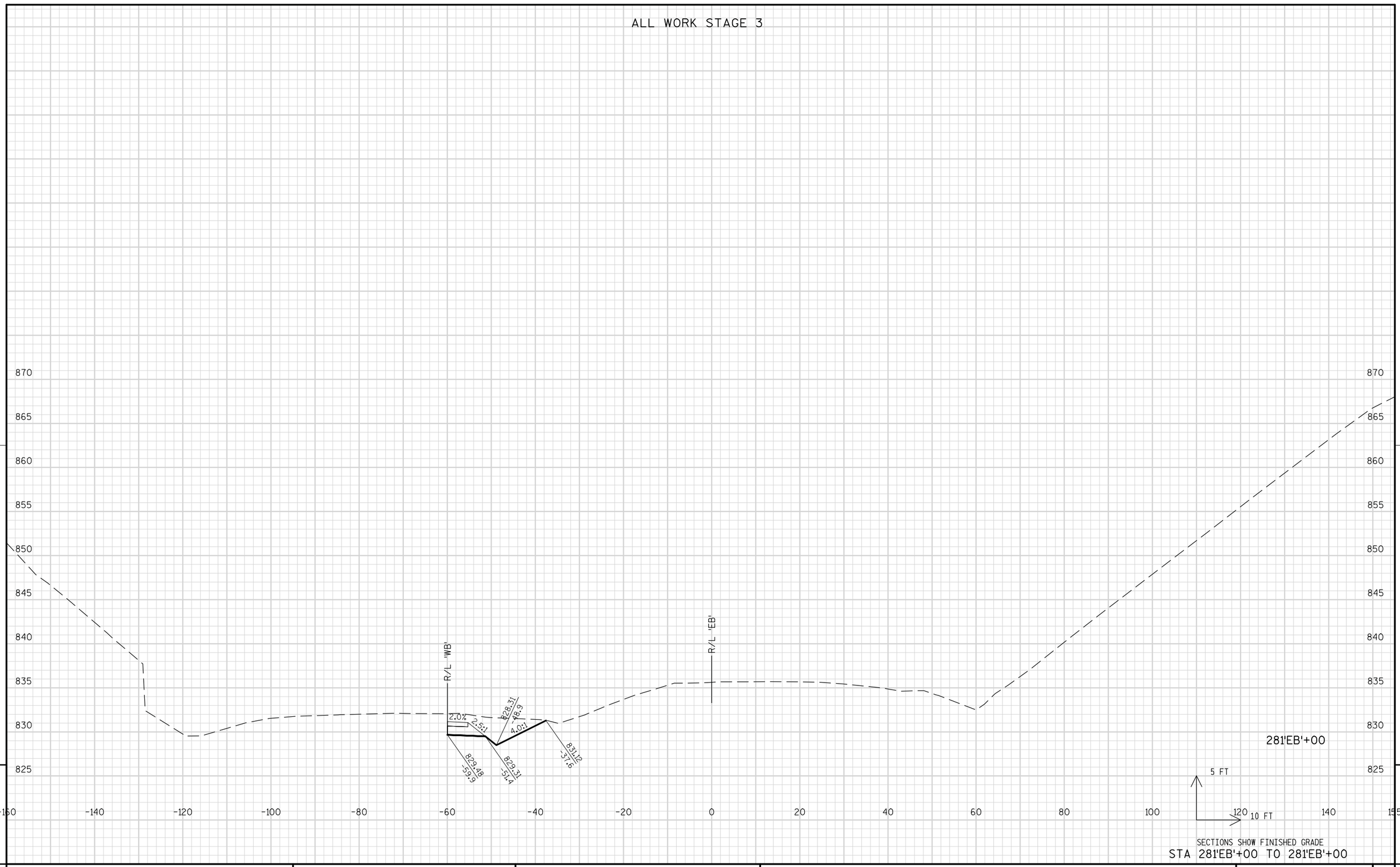
STA 280'EB'+50 TO 280'EB'+50

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 CROSSOVER EAST OF STH 37	SHEET NO: 1309	E

FILE NAME : CH_0803_090209_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 3

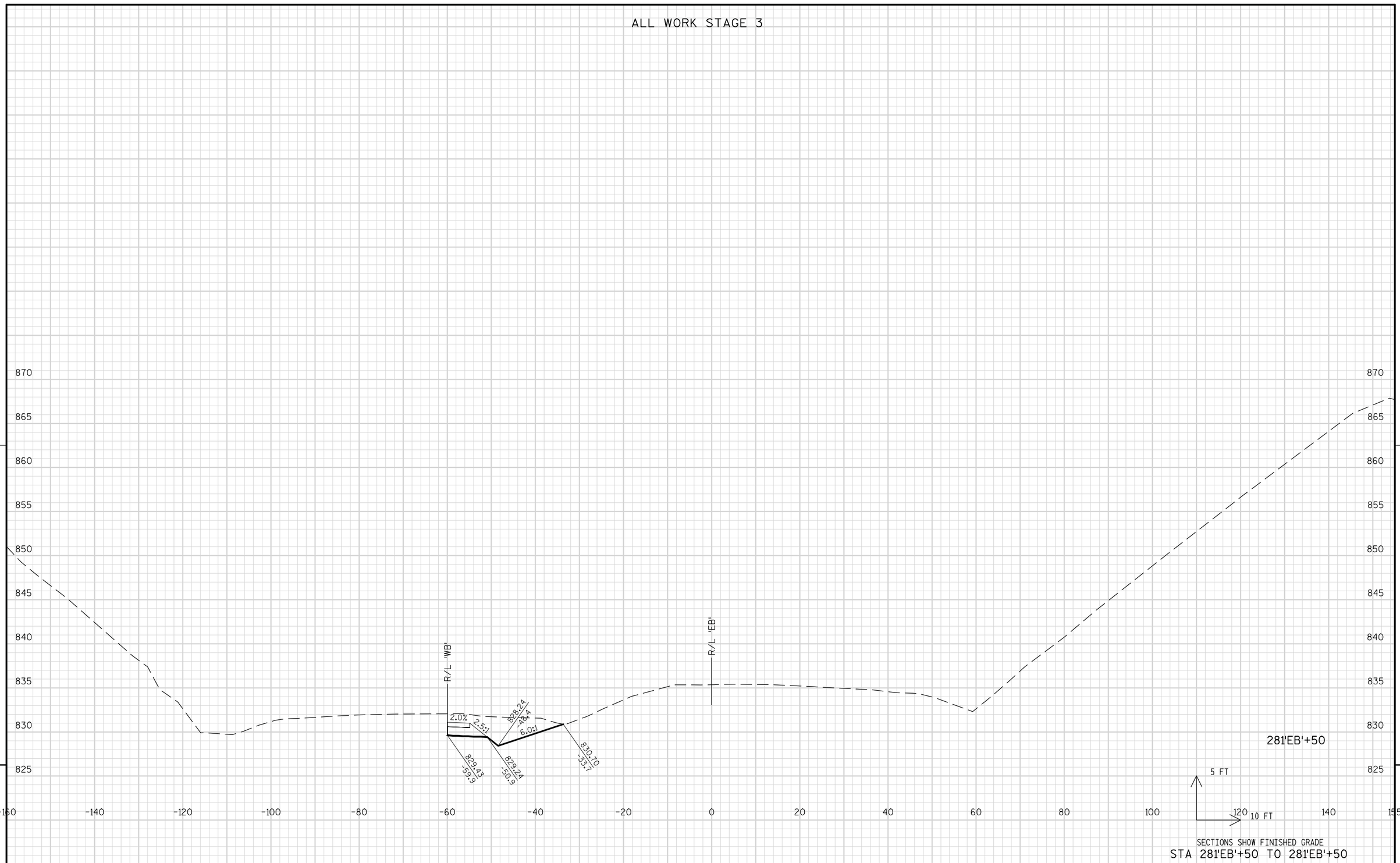


PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 CROSSOVER EAST OF STH 37	SHEET NO: 1310 E

FILE NAME : CH_0803_090209_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 3



SECTIONS SHOW FINISHED GRADE

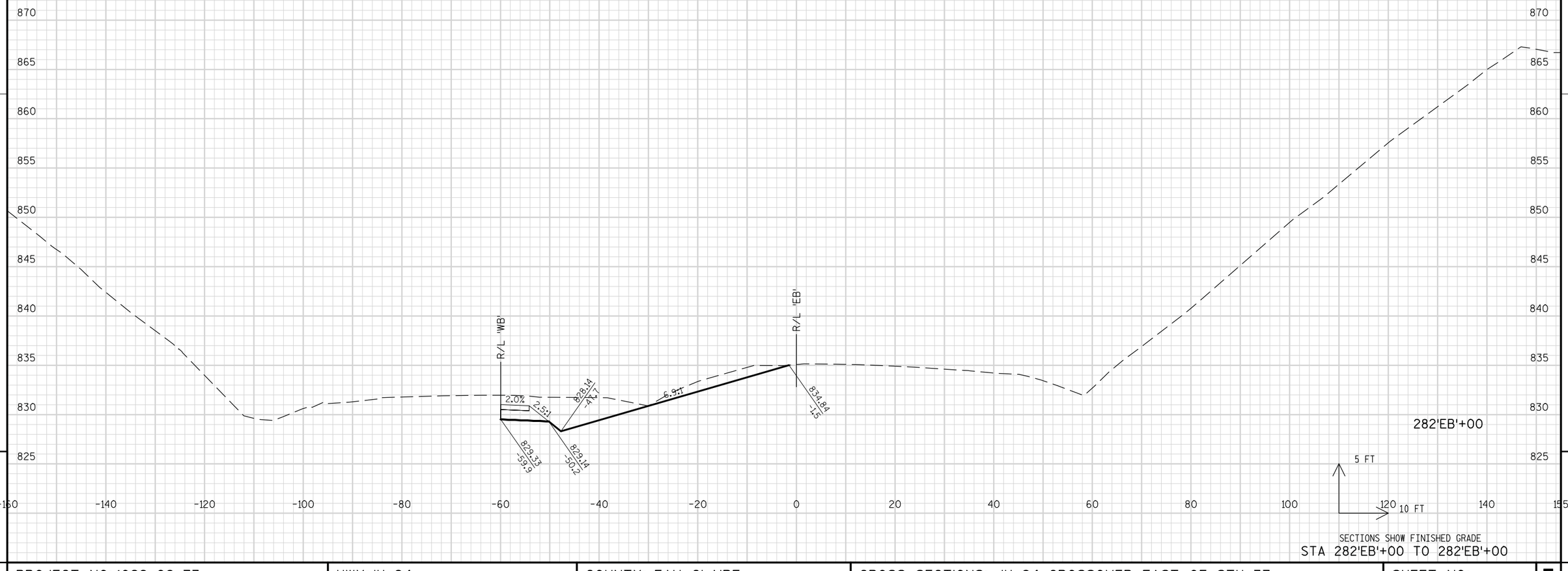
STA 281'EB'+50 TO 281'EB'+50

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 CROSSOVER EAST OF STH 37	SHEET NO: 1311 E

FILE NAME : CH_0803_090209_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 3



SECTIONS SHOW FINISHED GRADE

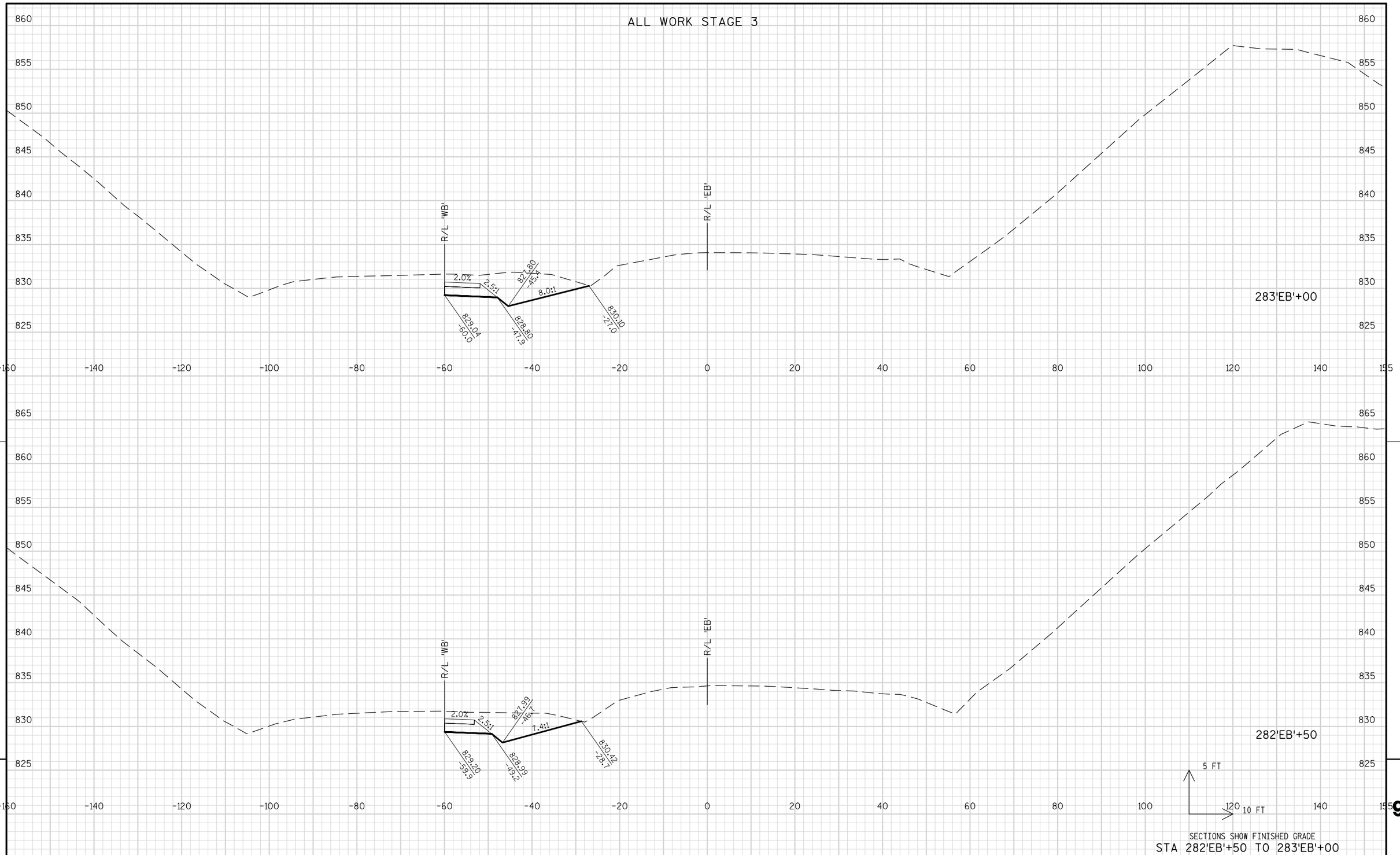
STA 282'EB'+00 TO 282'EB'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 CROSSOVER EAST OF STH 37	SHEET NO: 1312	E

FILE NAME : CH_0803_090209_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 3

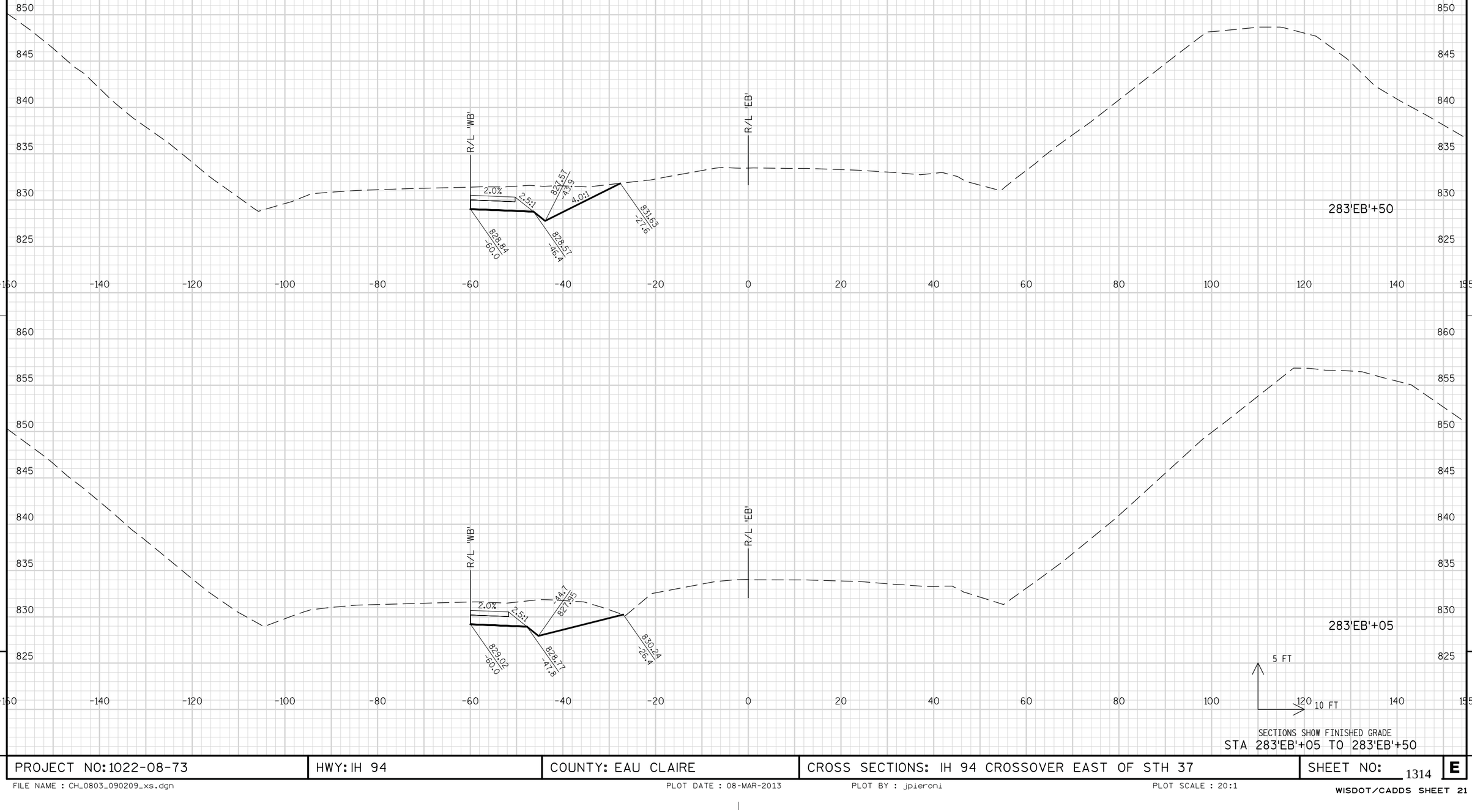


PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 CROSSOVER EAST OF STH 37	SHEET NO: 1313 E

FILE NAME : CH_0803_090209_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 3



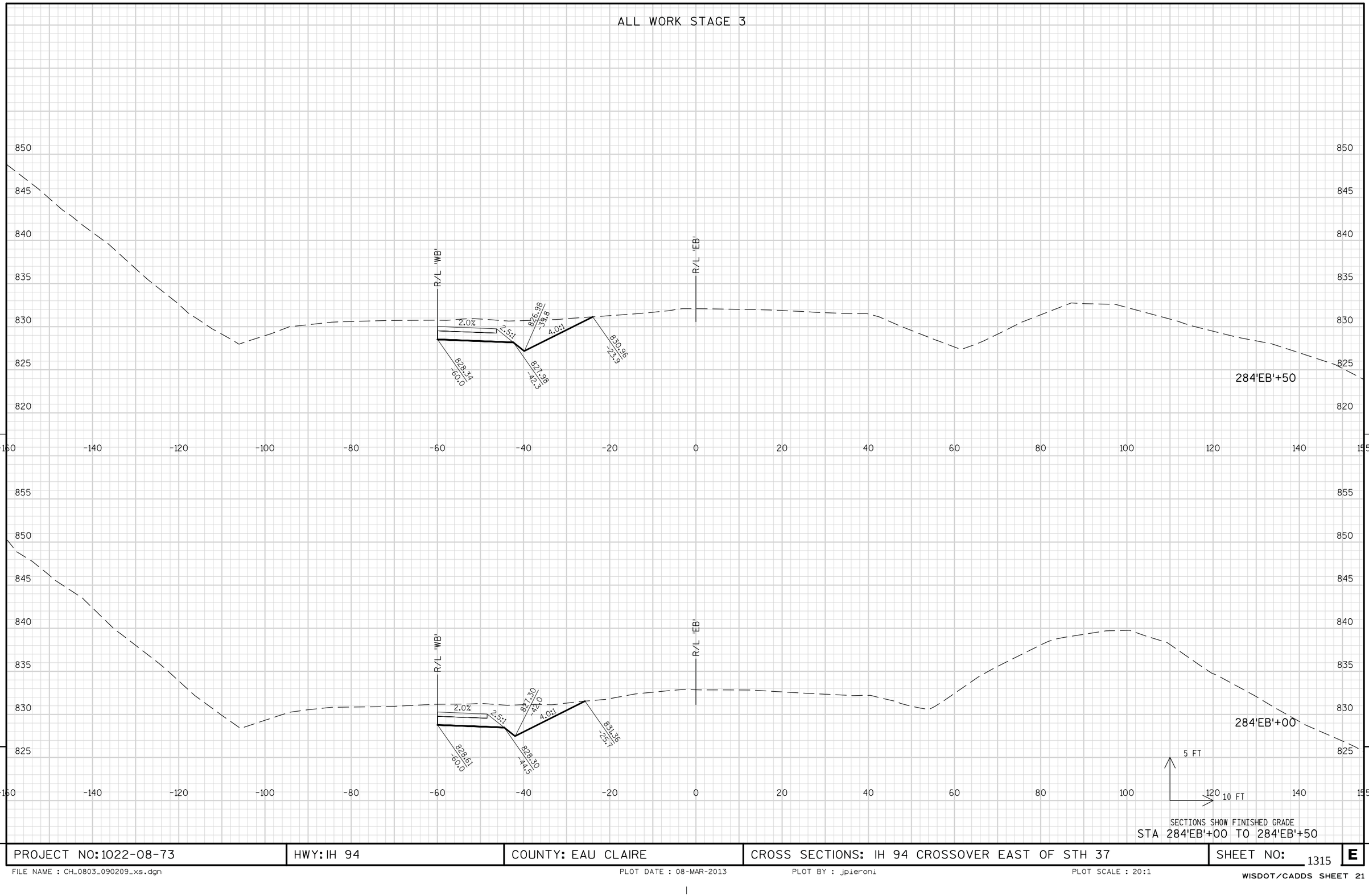
SECTIONS SHOW FINISHED GRADE
STA 283'EB'+05 TO 283'EB'+50

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 CROSSOVER EAST OF STH 37	SHEET NO: 1314 E

FILE NAME : CH_0803_090209_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 3

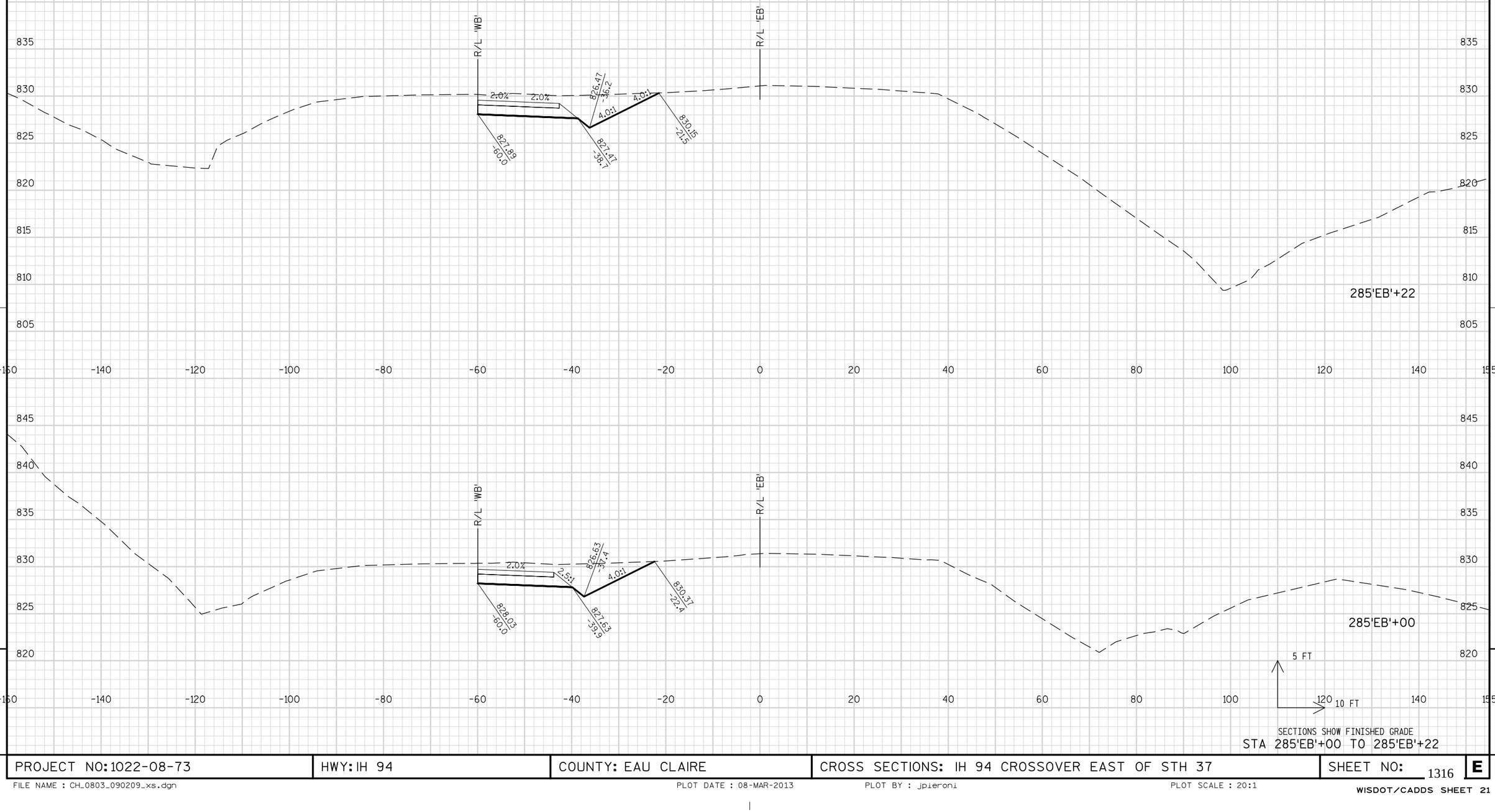


PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 CROSSOVER EAST OF STH 37	SHEET NO: 1315 E

FILE NAME : CH_0803_090209_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 3



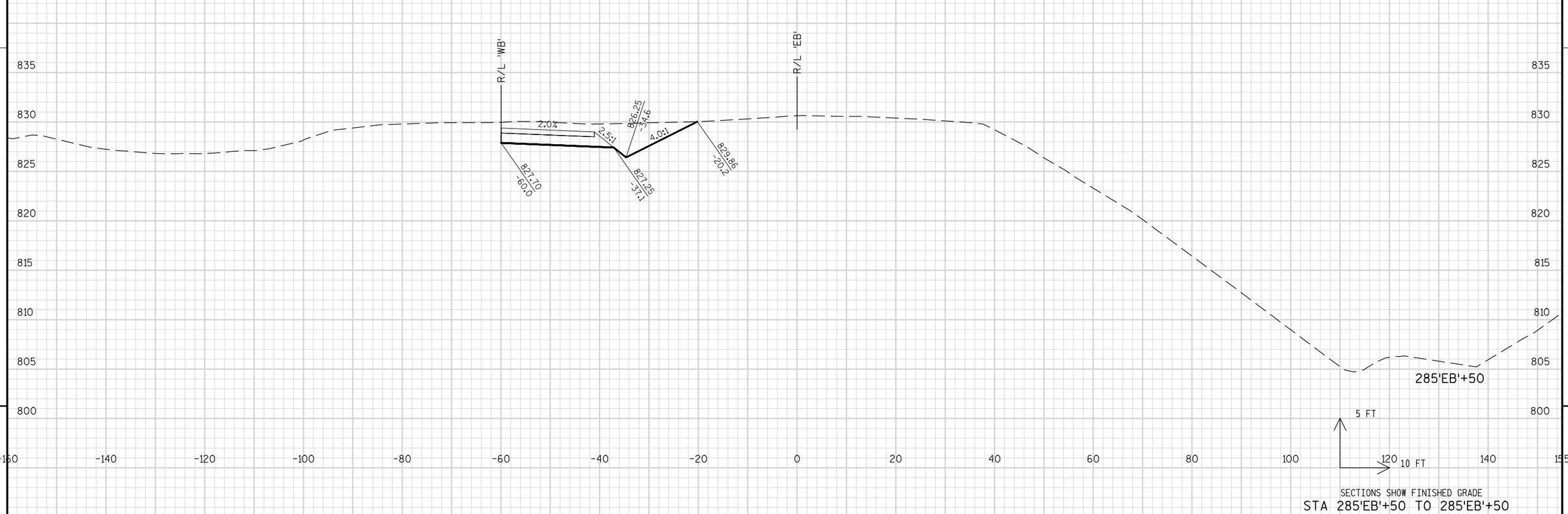
SECTIONS SHOW FINISHED GRADE
STA 285'EB'+00 TO 285'EB'+22

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 CROSSOVER EAST OF STH 37	SHEET NO: 1316 E

FILE NAME : CH_0803_090209_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 3



SECTIONS SHOW FINISHED GRADE

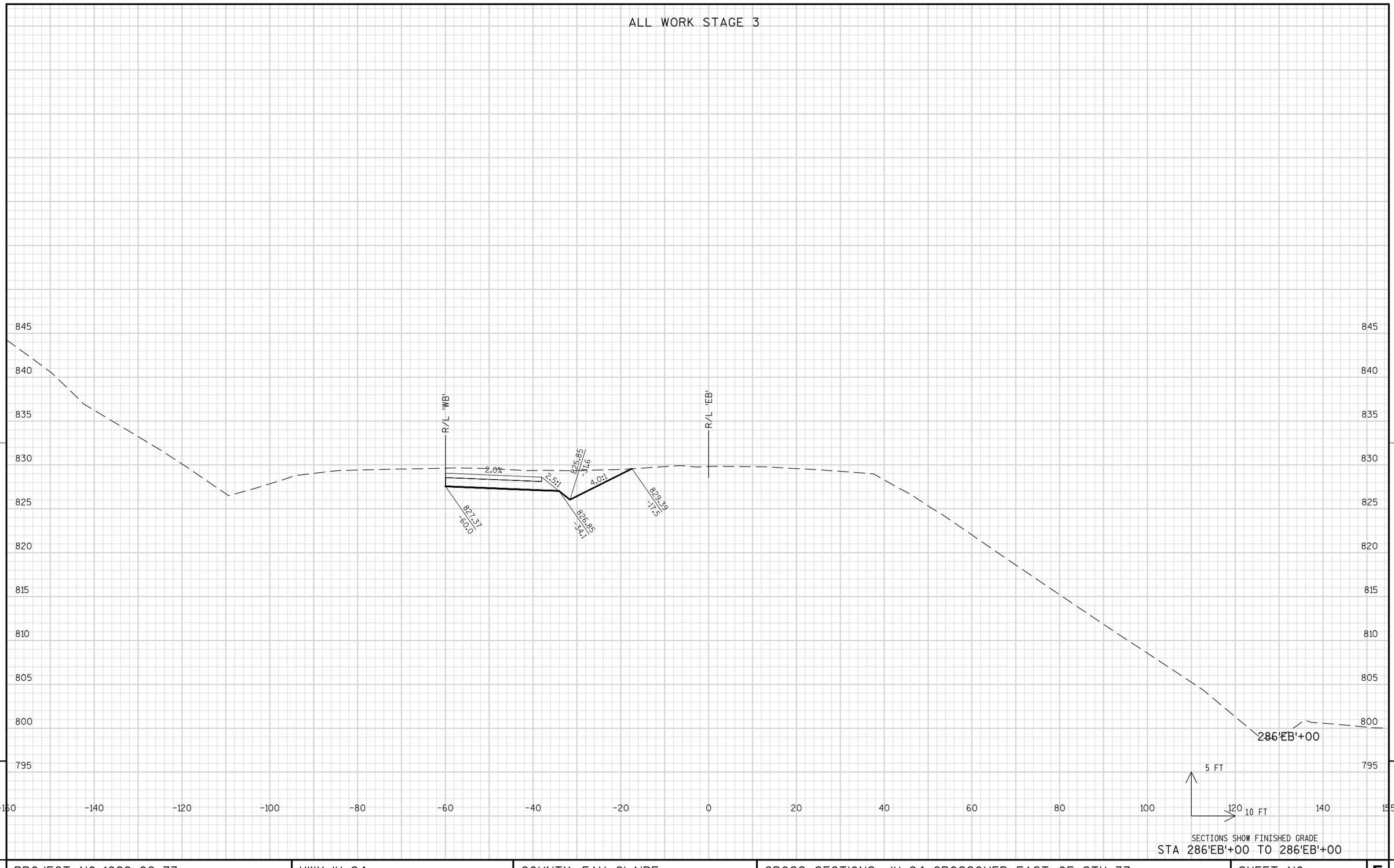
STA 285'EB'+50 TO 285'EB'+50

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 CROSSOVER EAST OF STH 37	SHEET NO: 1317	E

FILE NAME : CH_0803_090209_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 3



SECTIONS SHOW FINISHED GRADE

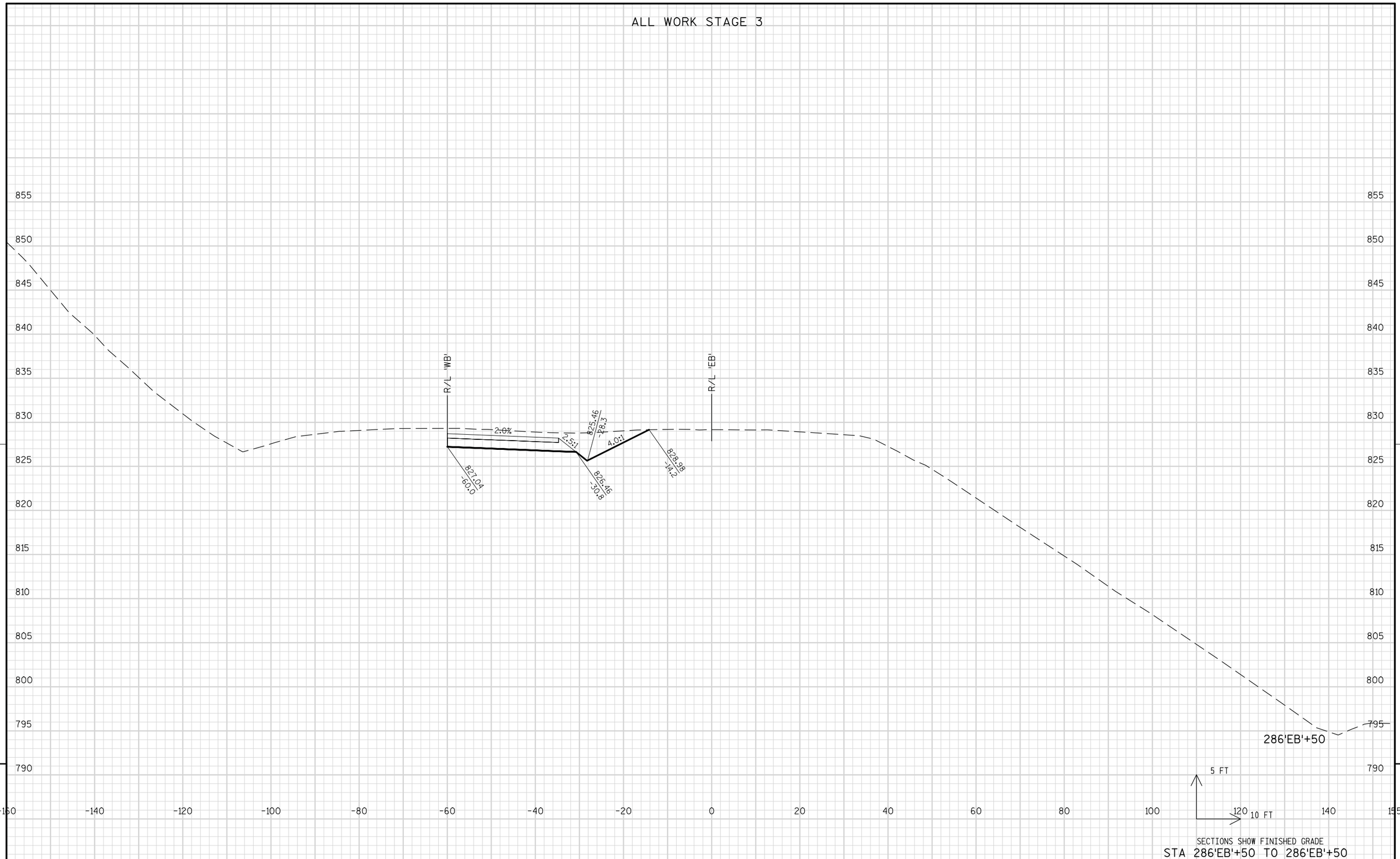
STA 286'EB'+00 TO 286'EB'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 CROSSOVER EAST OF STH 37	SHEET NO: 1318	E

FILE NAME : CH_0803_090209_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 3



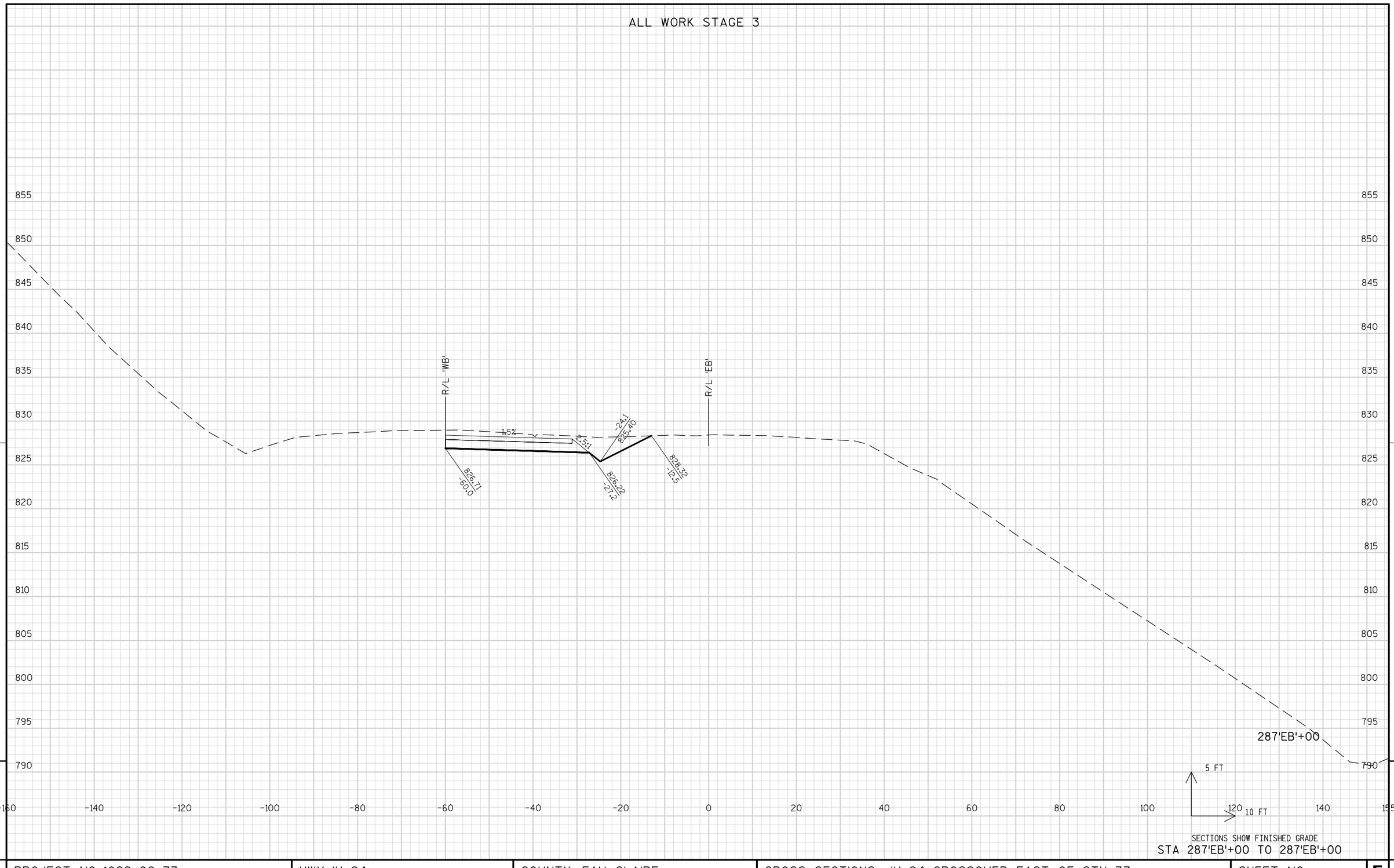
SECTIONS SHOW FINISHED GRADE
STA 286'EB'+50 TO 286'EB'+50

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 CROSSOVER EAST OF STH 37	SHEET NO: 1319	E

FILE NAME : CH_0803_090209_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 3



SECTIONS SHOW FINISHED GRADE

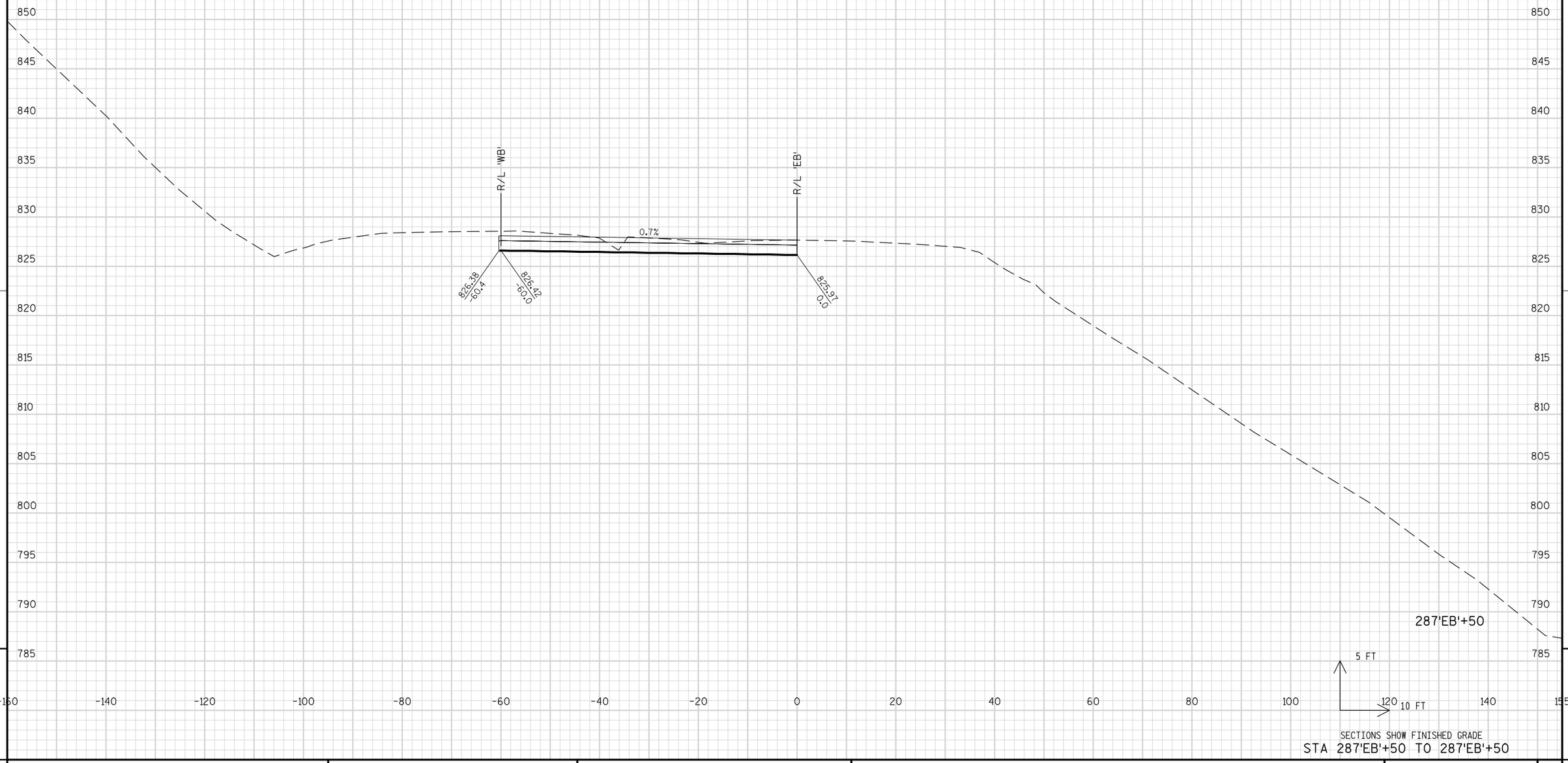
STA 287'EB'+00 TO 287'EB'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 CROSSOVER EAST OF STH 37	SHEET NO: 1320	E

FILE NAME : CH_0803_090209_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 3



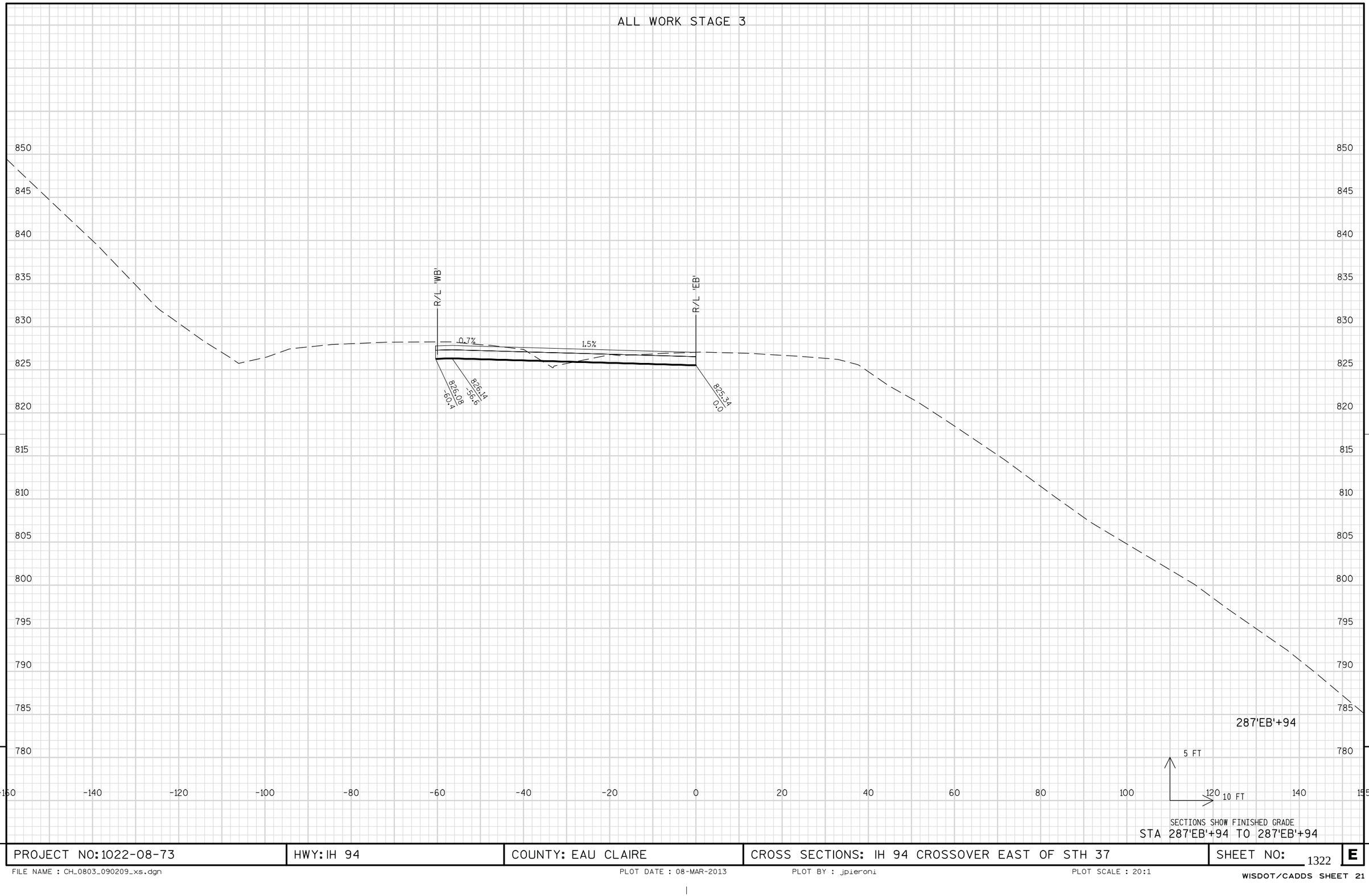
SECTIONS SHOW FINISHED GRADE
STA 287'EB'+50 TO 287'EB'+50

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 CROSSOVER EAST OF STH 37	SHEET NO: 1321 E

FILE NAME : CH_0803_090209_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 3



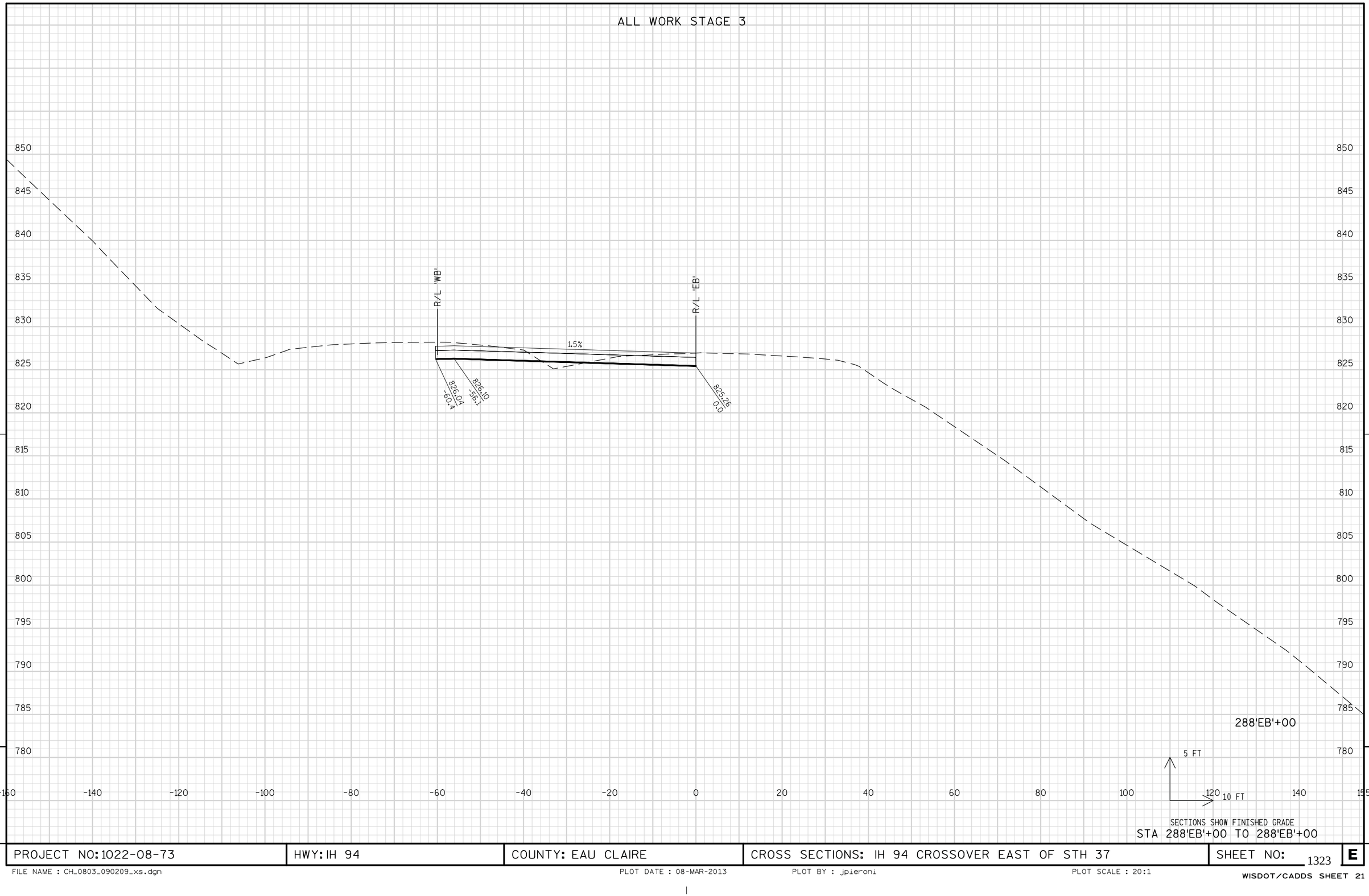
SECTIONS SHOW FINISHED GRADE
STA 287'EB'+94 TO 287'EB'+94

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 CROSSOVER EAST OF STH 37	SHEET NO: 1322 E

FILE NAME : CH_0803_090209_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 3



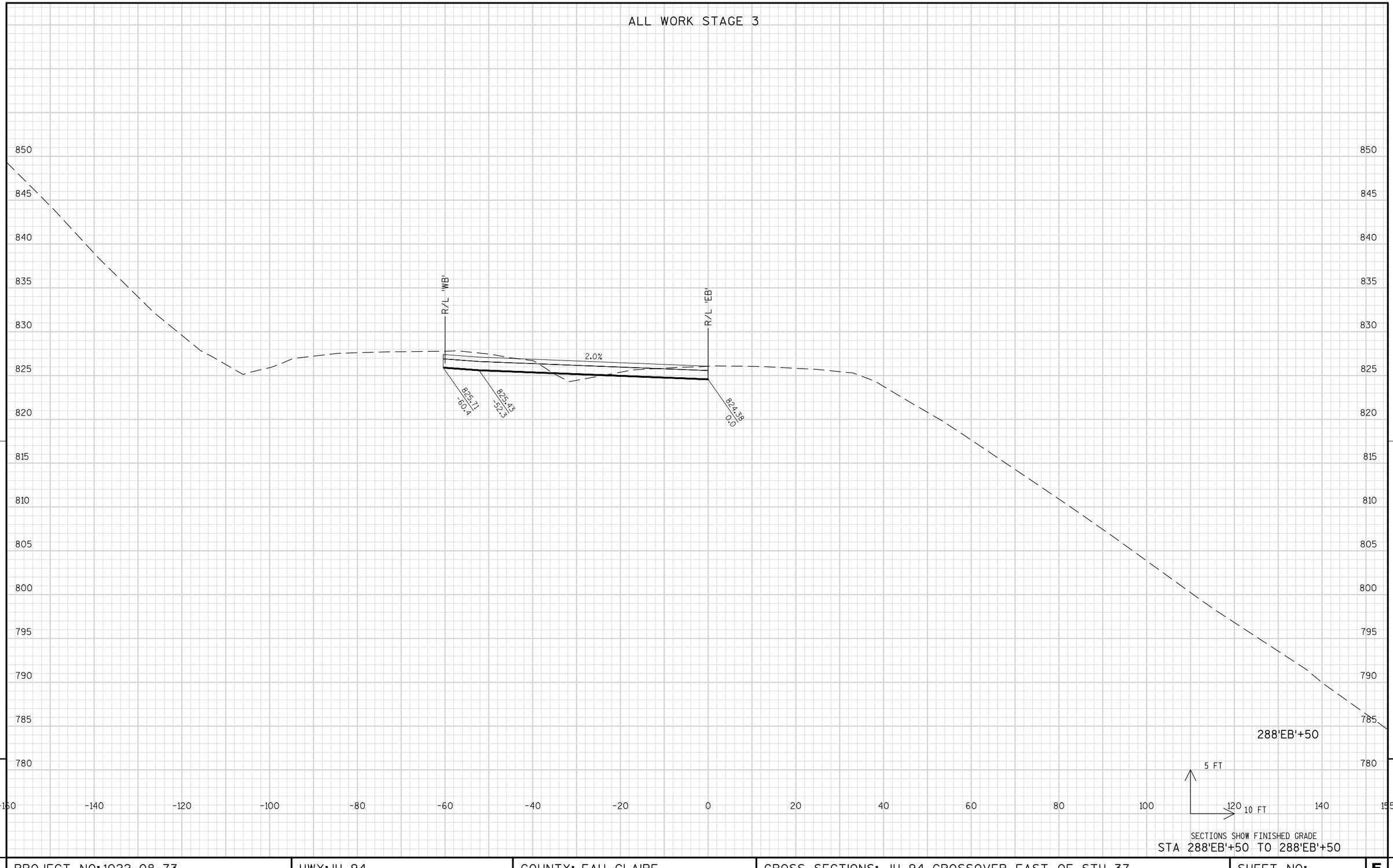
SECTIONS SHOW FINISHED GRADE
STA 288'EB'+00 TO 288'EB'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 CROSSOVER EAST OF STH 37	SHEET NO: 1323 E

FILE NAME : CH_0803_090209_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 3



SECTIONS SHOW FINISHED GRADE

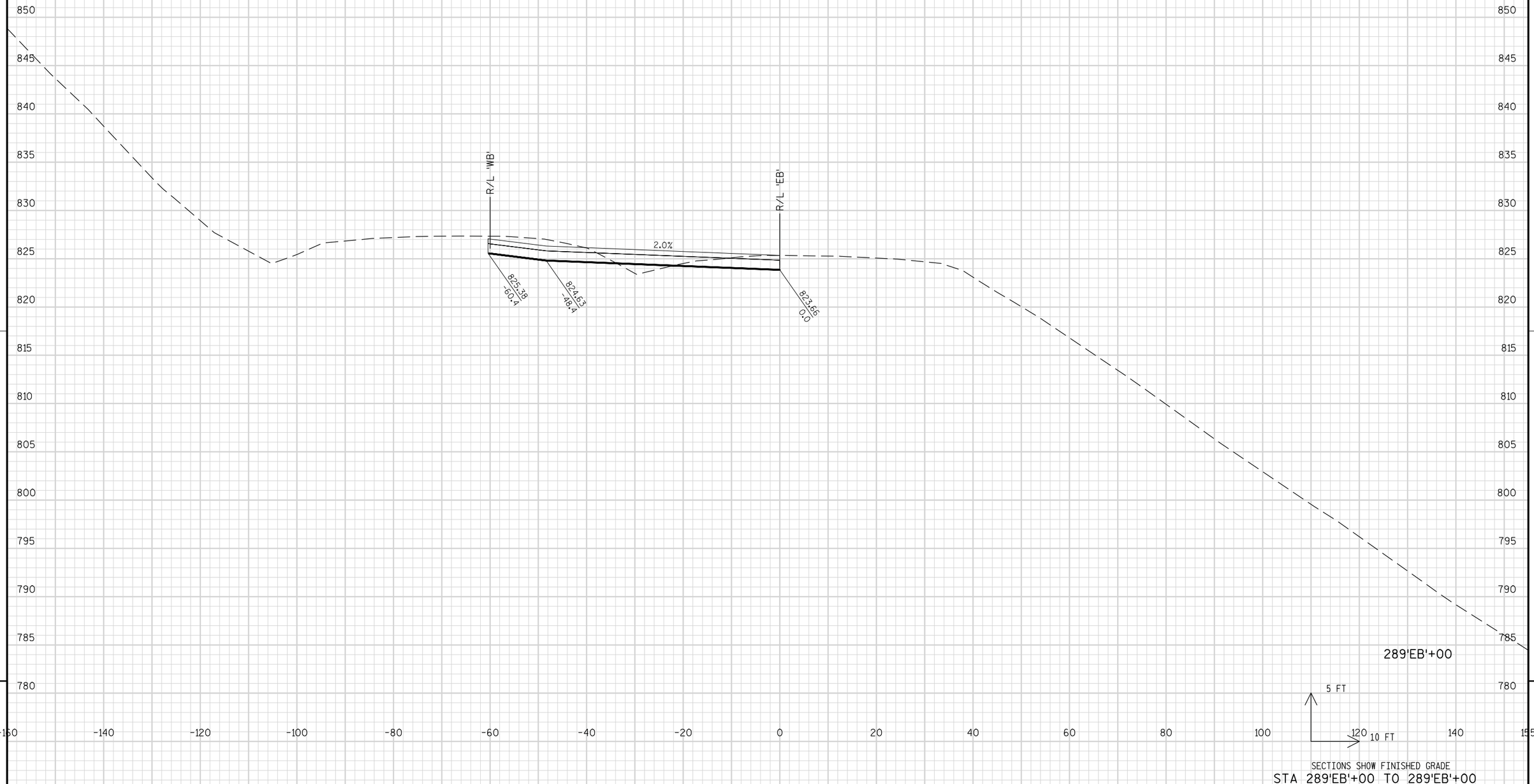
STA 288'EB'+50 TO 288'EB'+50

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 CROSSOVER EAST OF STH 37	SHEET NO: 1324 E

FILE NAME : CH_0803_090209_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 3



SECTIONS SHOW FINISHED GRADE

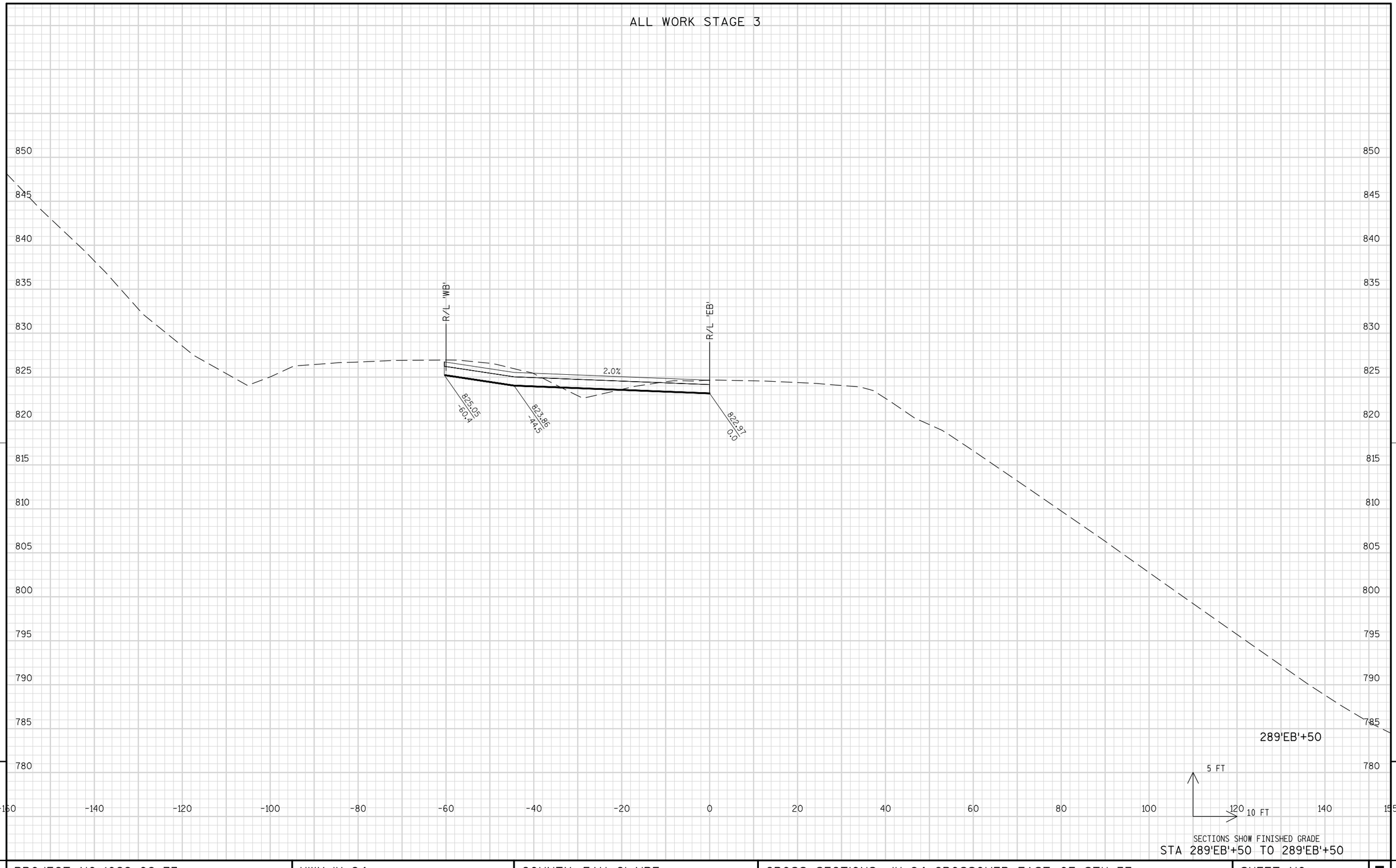
STA 289'EB'+00 TO 289'EB'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 CROSSOVER EAST OF STH 37	SHEET NO: 1325	E

FILE NAME : CH_0803_090209_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 3



SECTIONS SHOW FINISHED GRADE

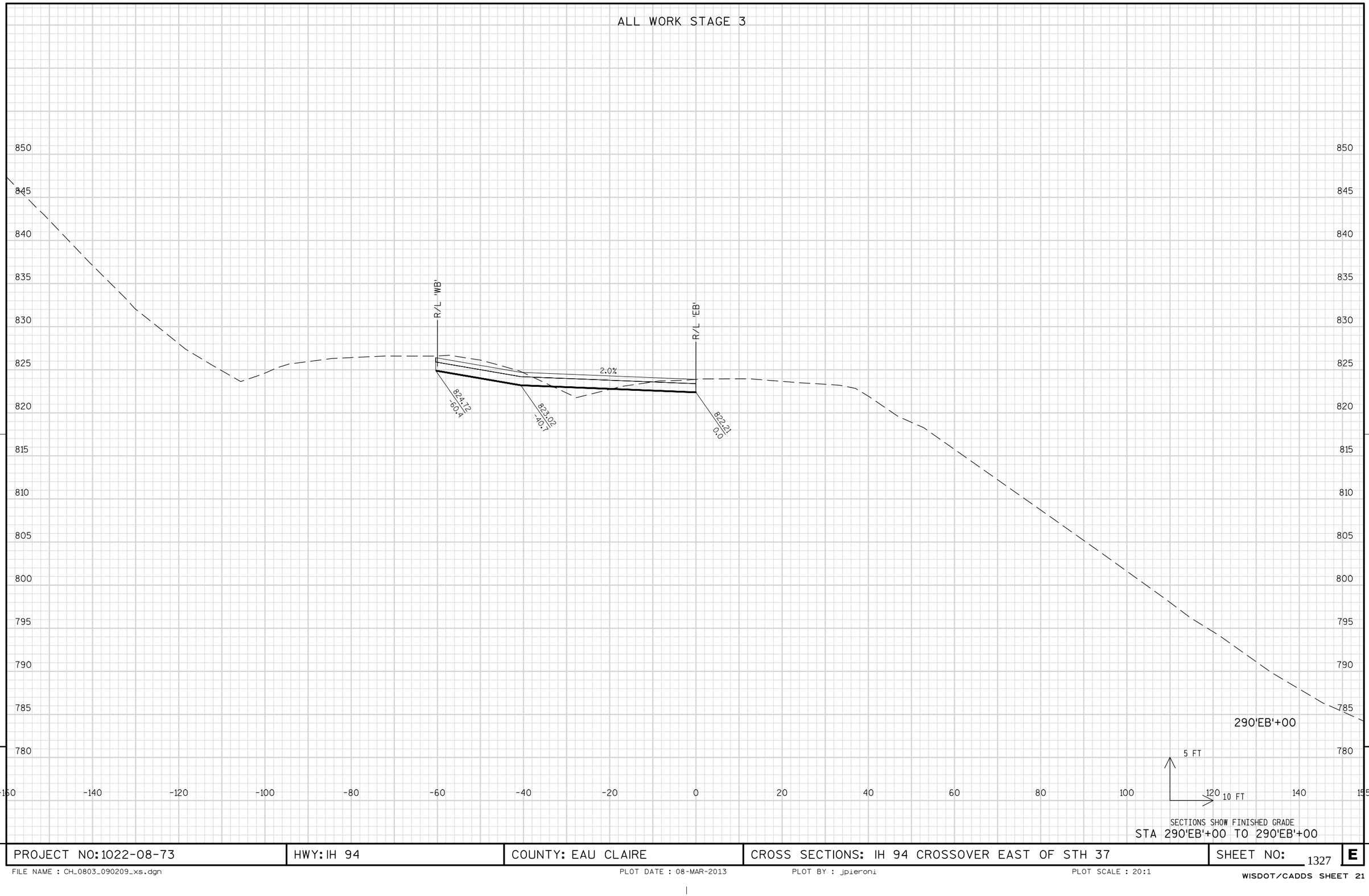
STA 289'EB'+50 TO 289'EB'+50

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 CROSSOVER EAST OF STH 37	SHEET NO: 1326	E

FILE NAME : CH_0803_090209_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 3



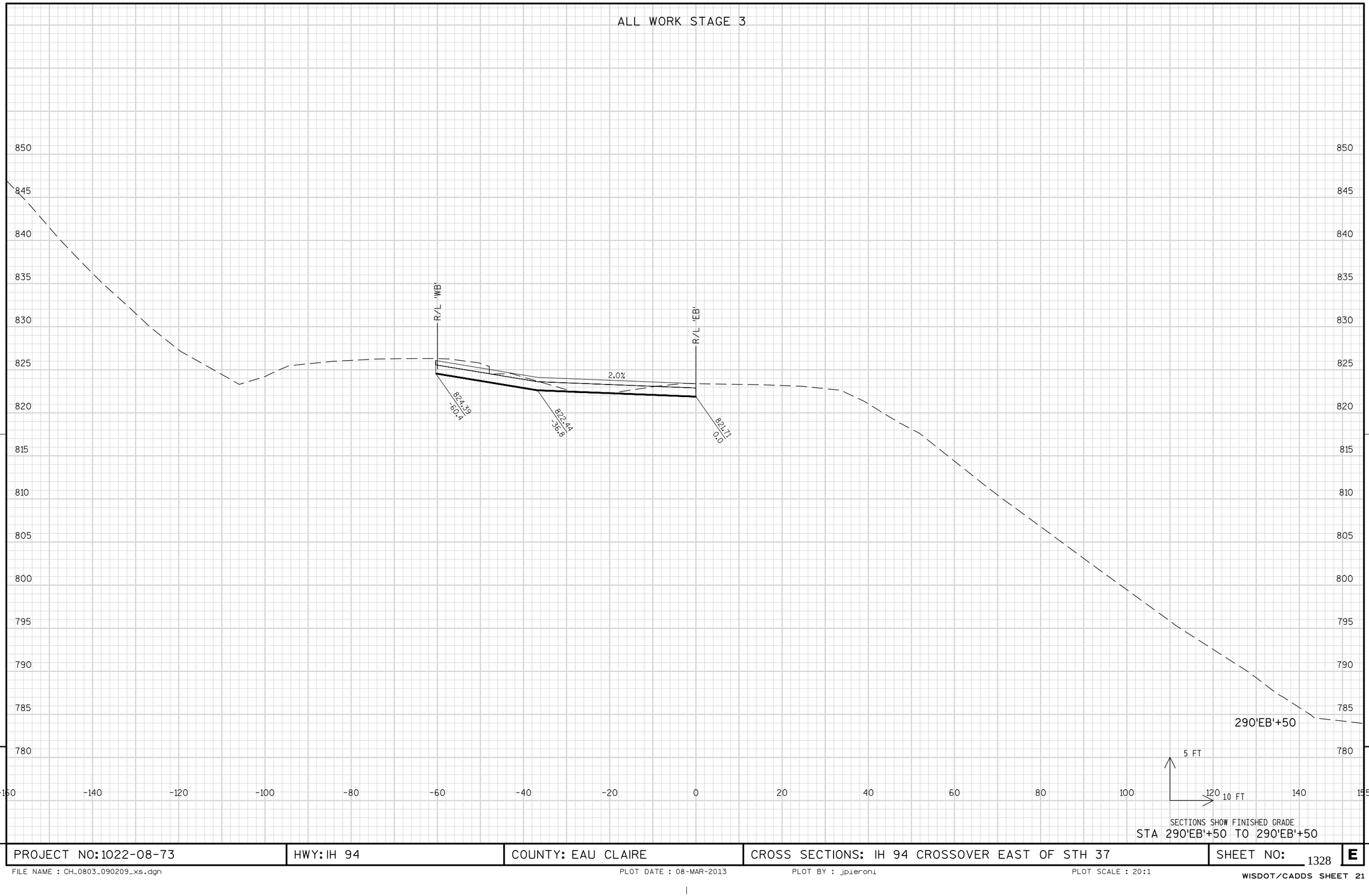
SECTIONS SHOW FINISHED GRADE
STA 290'EB'+00 TO 290'EB'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 CROSSOVER EAST OF STH 37	SHEET NO: 1327 E

FILE NAME : CH_0803_090209_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 3



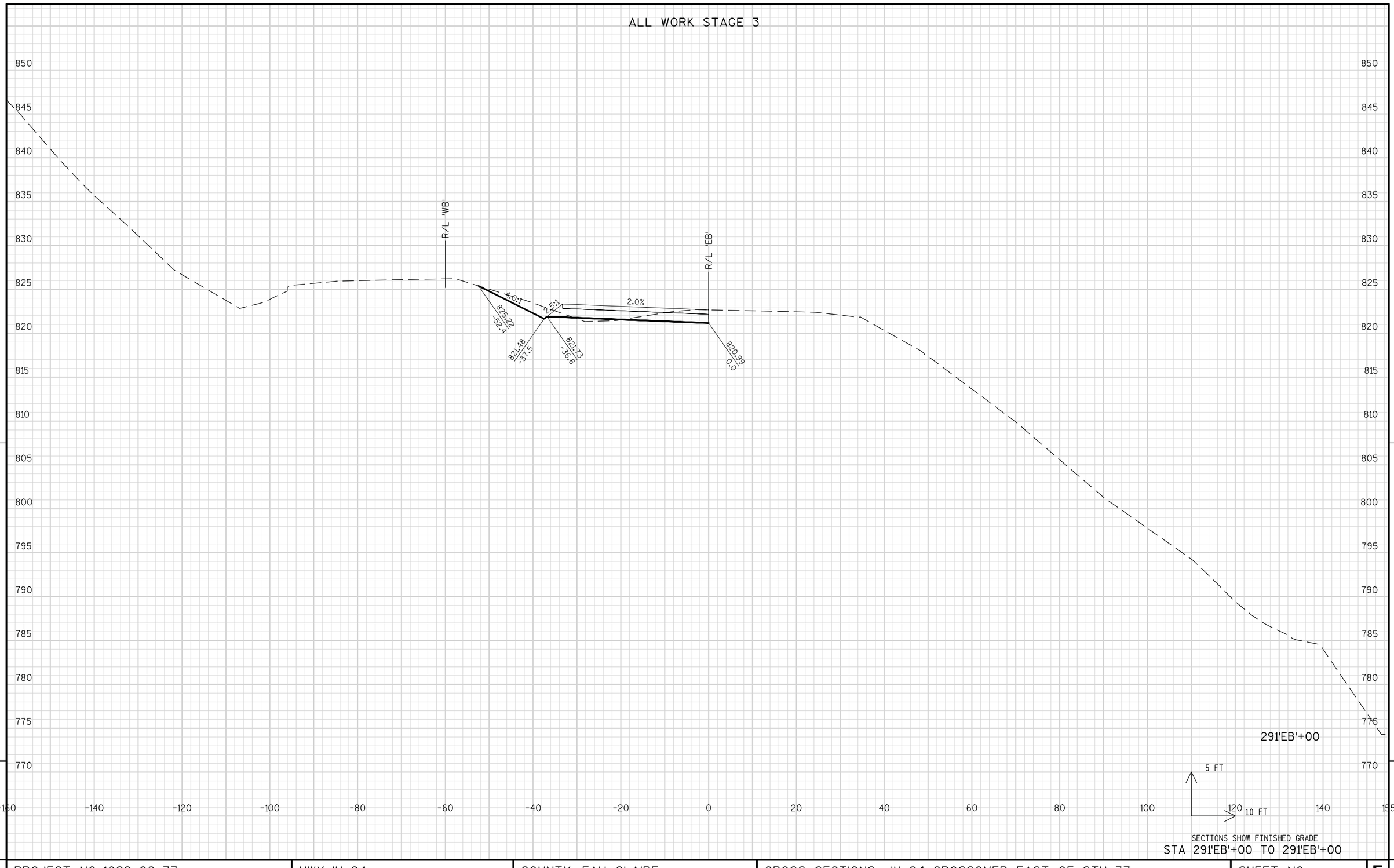
SECTIONS SHOW FINISHED GRADE
STA 290'EB'+50 TO 290'EB'+50

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 CROSSOVER EAST OF STH 37	SHEET NO: 1328 E

FILE NAME : CH_0803_090209_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 3

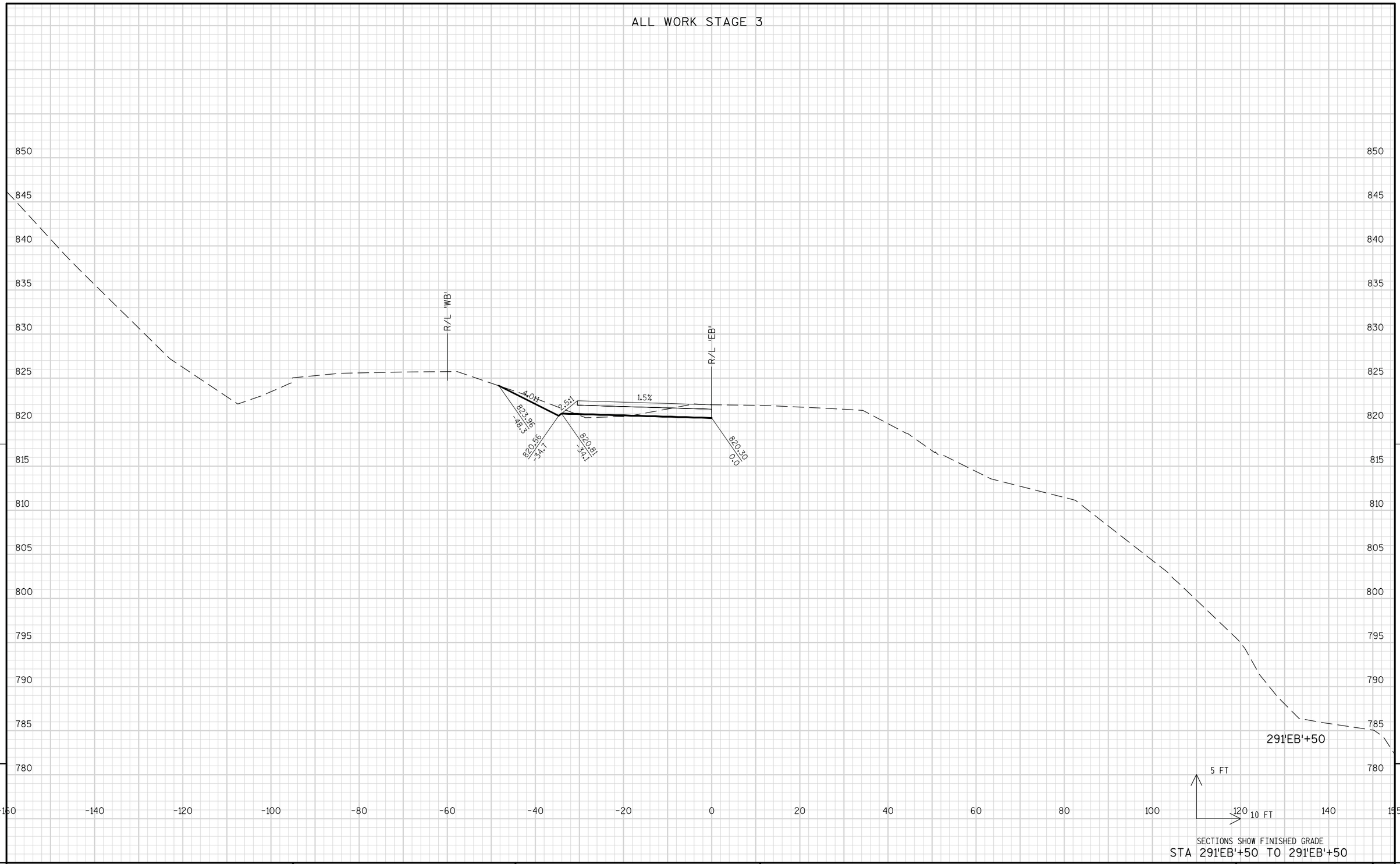


PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 CROSSOVER EAST OF STH 37	SHEET NO: 1329	E

FILE NAME : CH_0803_090209_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 3



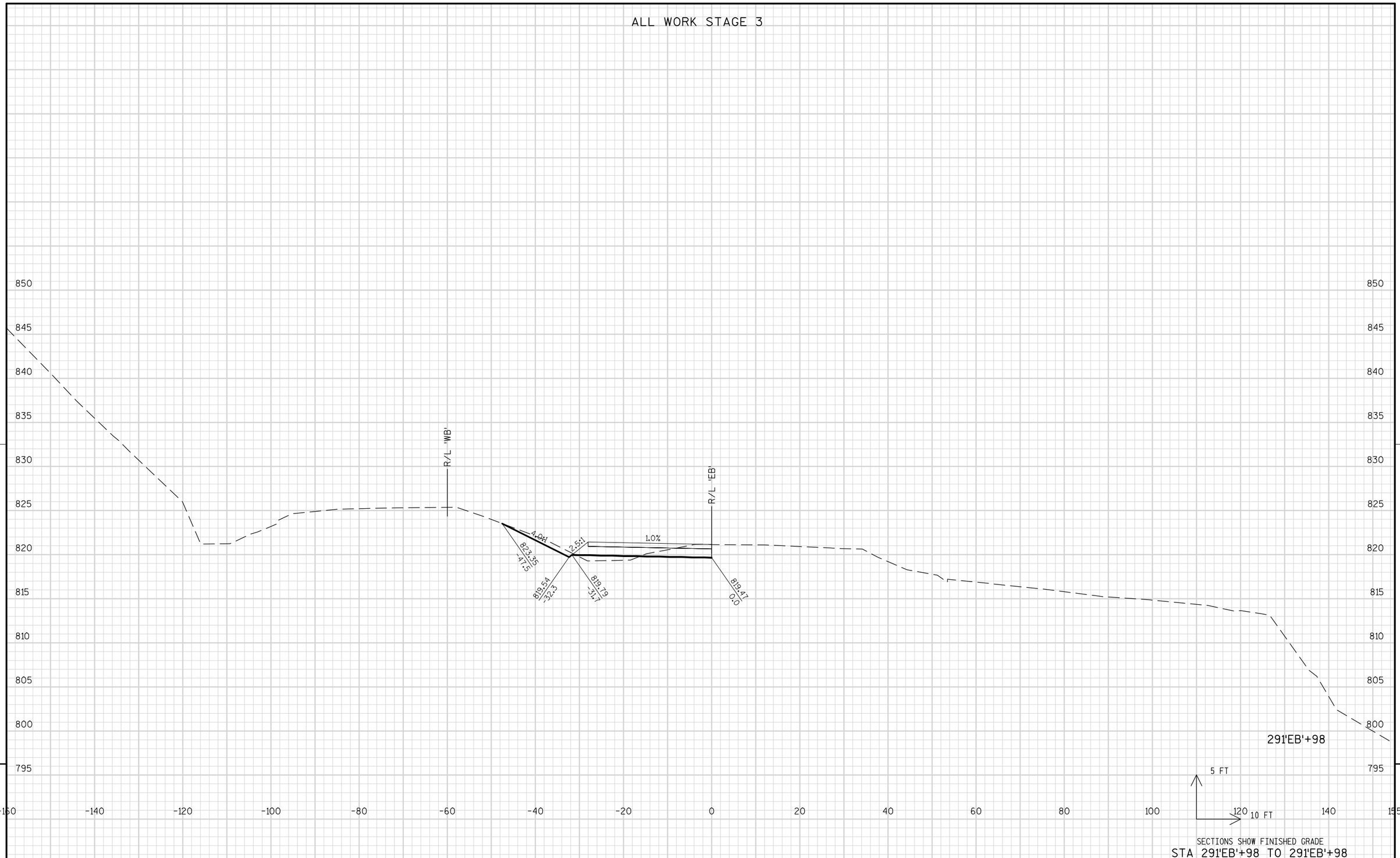
SECTIONS SHOW FINISHED GRADE
STA 291'EB'+50 TO 291'EB'+50

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 CROSSOVER EAST OF STH 37	SHEET NO: 1330 E

FILE NAME : CH_0803_090209_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 3



SECTIONS SHOW FINISHED GRADE

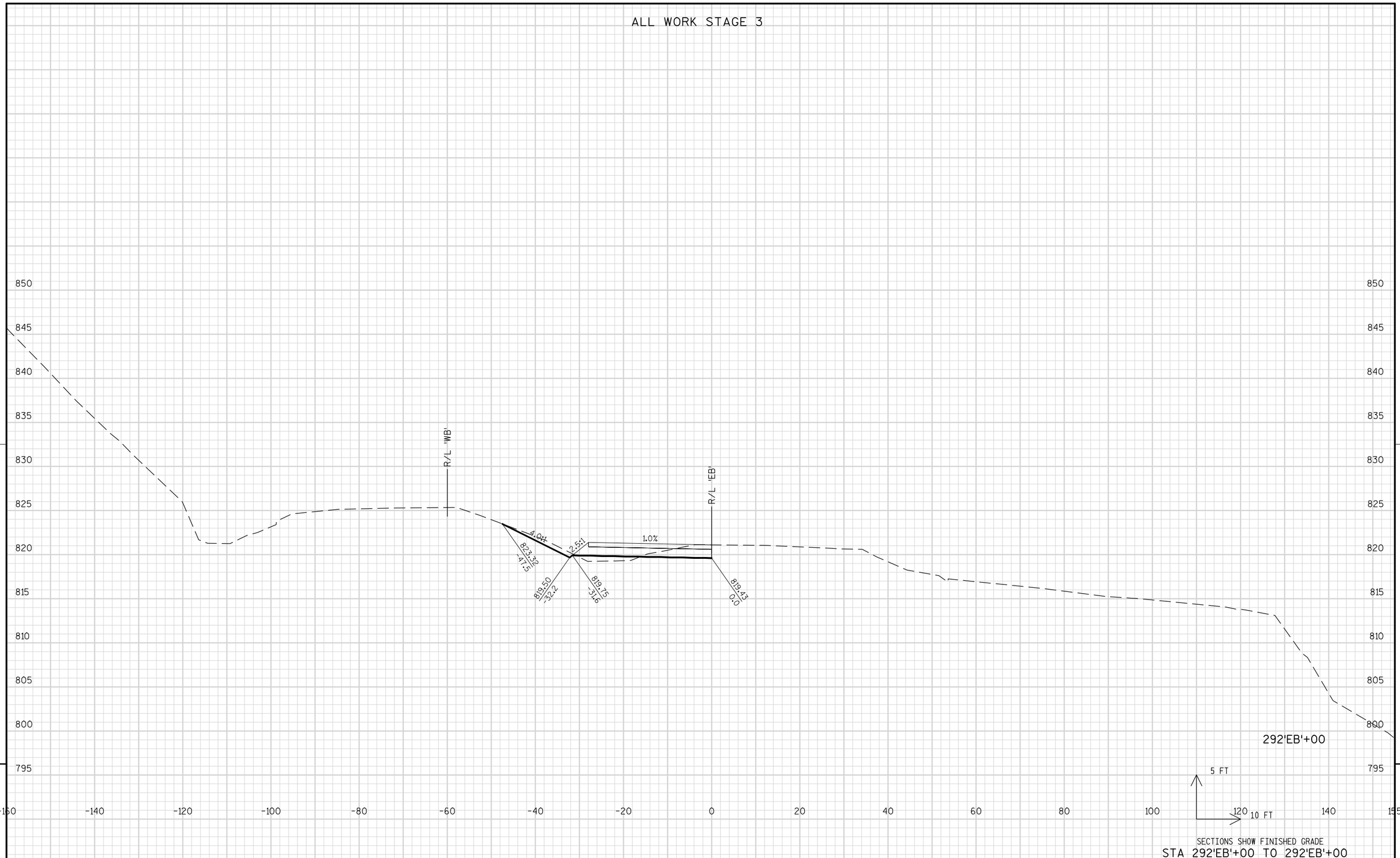
STA 291'EB'+98 TO 291'EB'+98

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 CROSSOVER EAST OF STH 37	SHEET NO: 1331 E

FILE NAME : CH_0803_090209_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 3



SECTIONS SHOW FINISHED GRADE

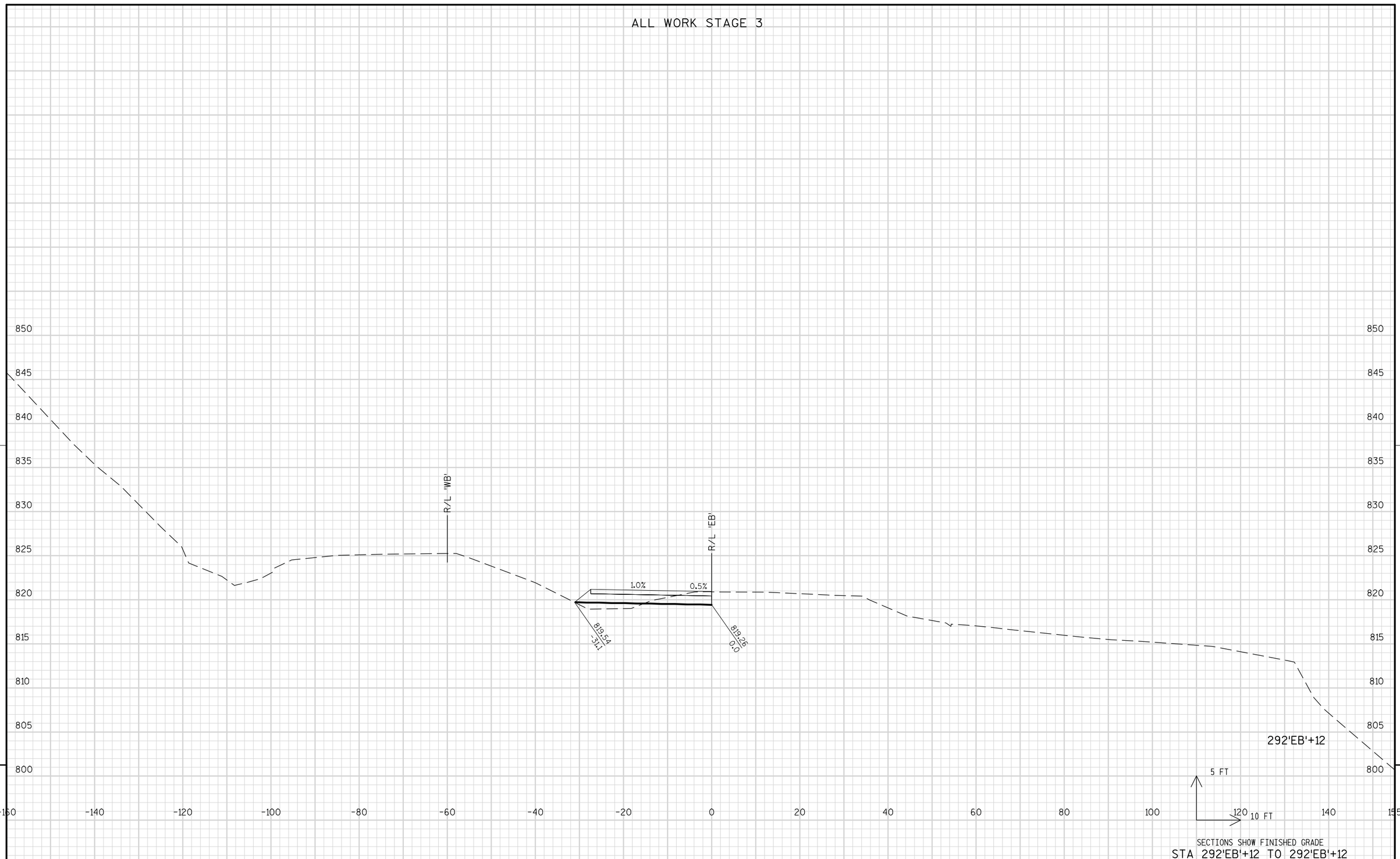
STA 292'EB'+00 TO 292'EB'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 CROSSOVER EAST OF STH 37	SHEET NO: 1332	E

FILE NAME : CH_0803_090209_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 3



SECTIONS SHOW FINISHED GRADE

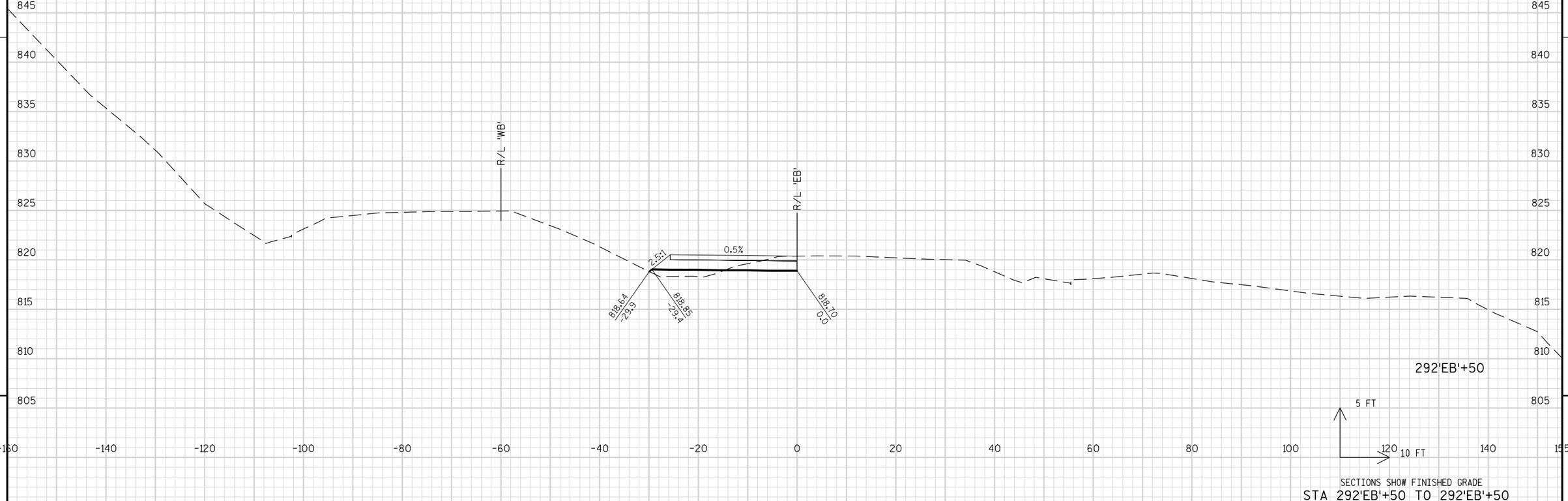
STA 292'EB'+12 TO 292'EB'+12

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 CROSSOVER EAST OF STH 37	SHEET NO: 1333	E

FILE NAME : CH_0803_090209_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 3



SECTIONS SHOW FINISHED GRADE

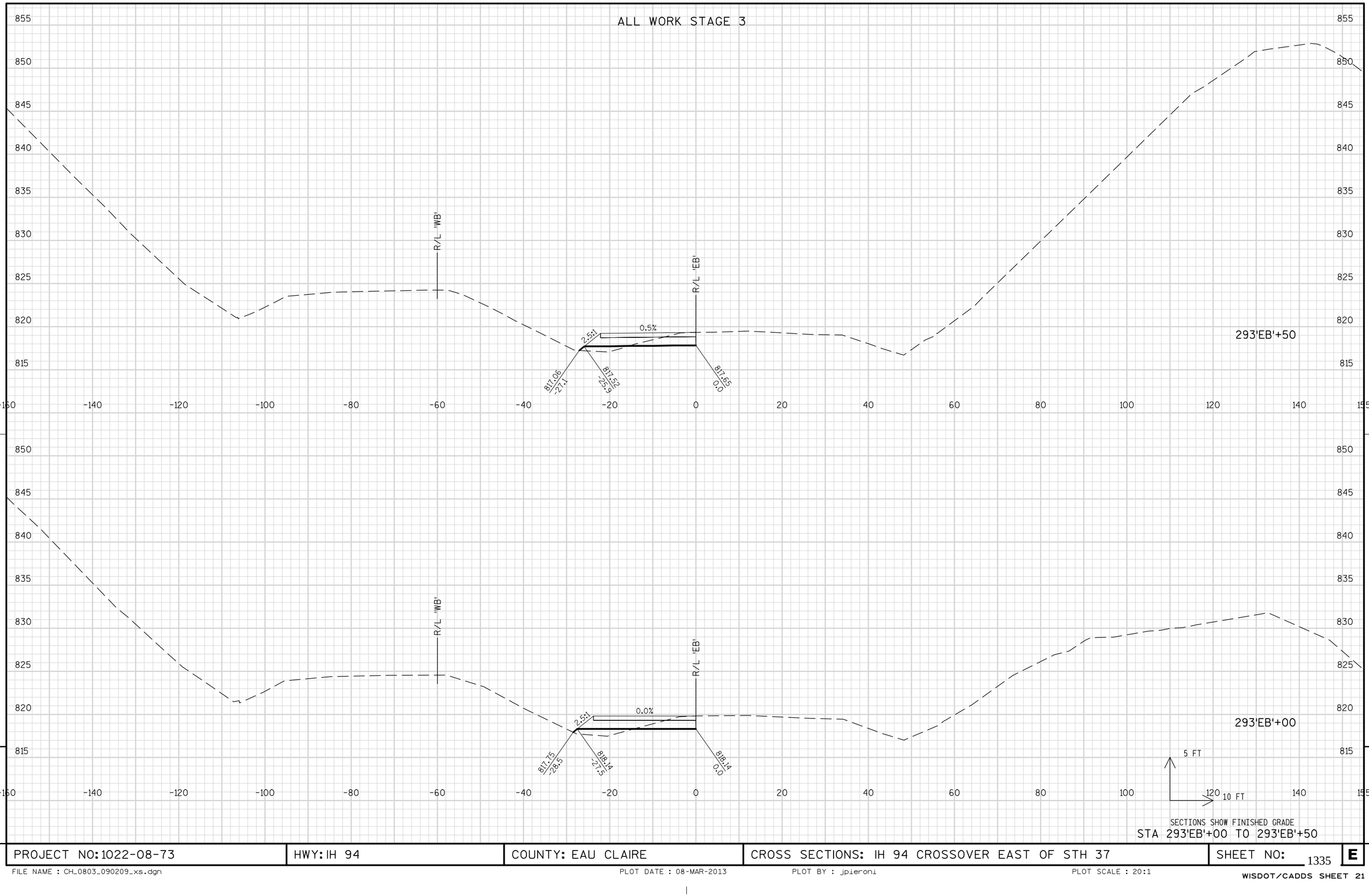
STA 292'EB'+50 TO 292'EB'+50

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 CROSSOVER EAST OF STH 37	SHEET NO: 1334	E

FILE NAME : CH_0803_090209_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 3



SECTIONS SHOW FINISHED GRADE

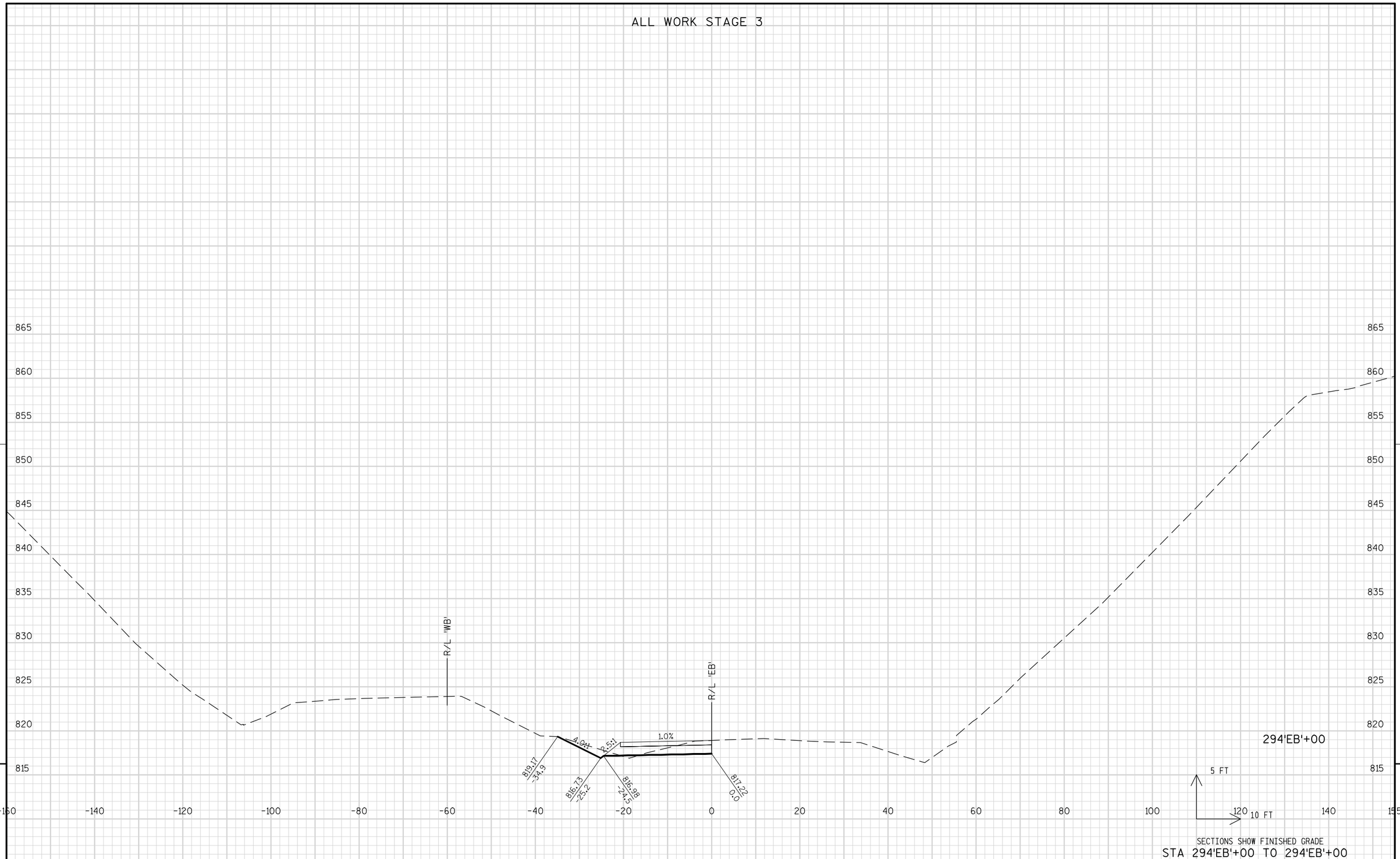
STA 293'EB'+00 TO 293'EB'+50

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 CROSSOVER EAST OF STH 37	SHEET NO: 1335 E

FILE NAME : CH_0803_090209_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 3



SECTIONS SHOW FINISHED GRADE

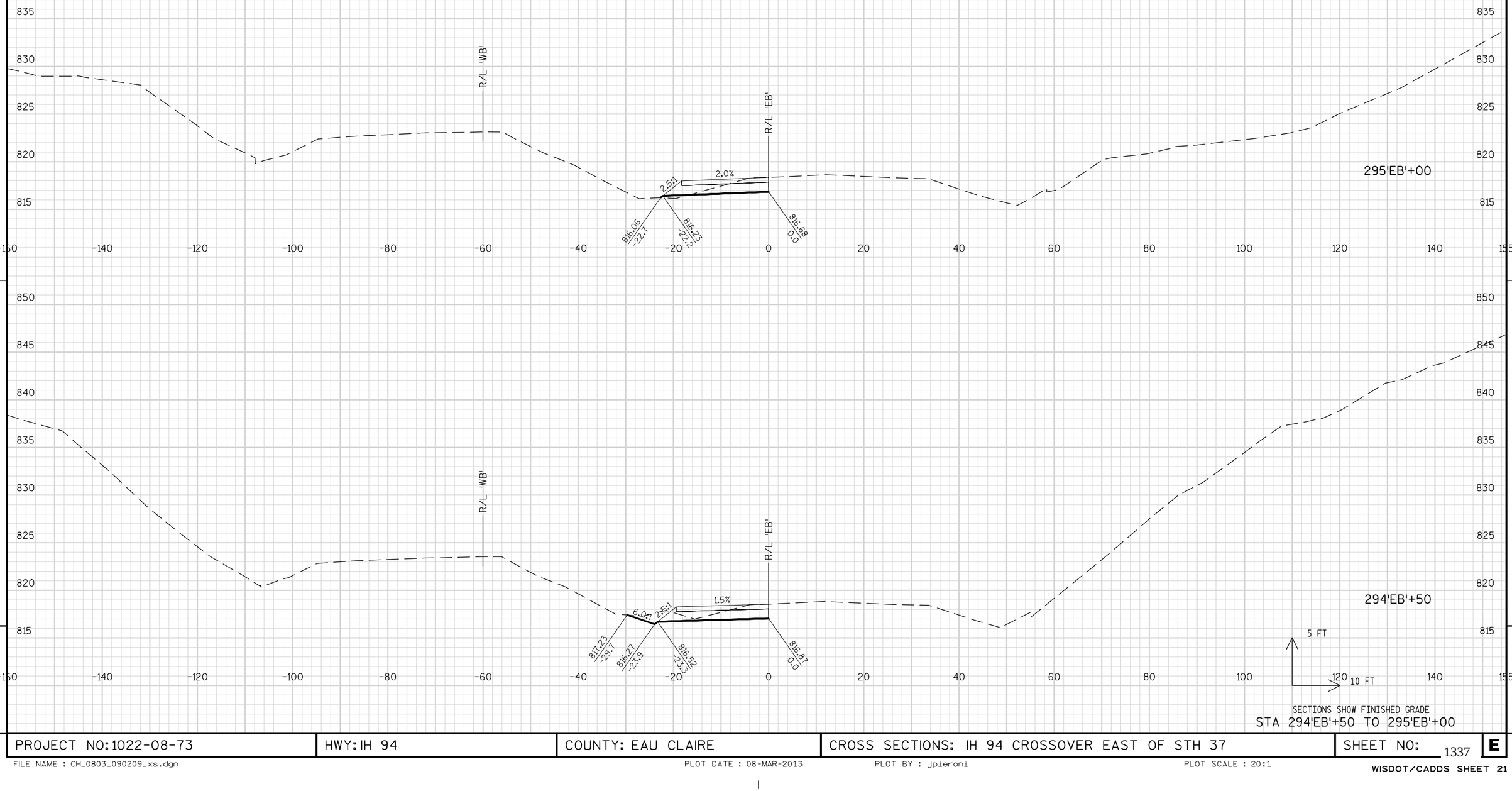
STA 294'EB'+00 TO 294'EB'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 CROSSOVER EAST OF STH 37	SHEET NO: 1336 E

FILE NAME : CH_0803_090209_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 3



SECTIONS SHOW FINISHED GRADE

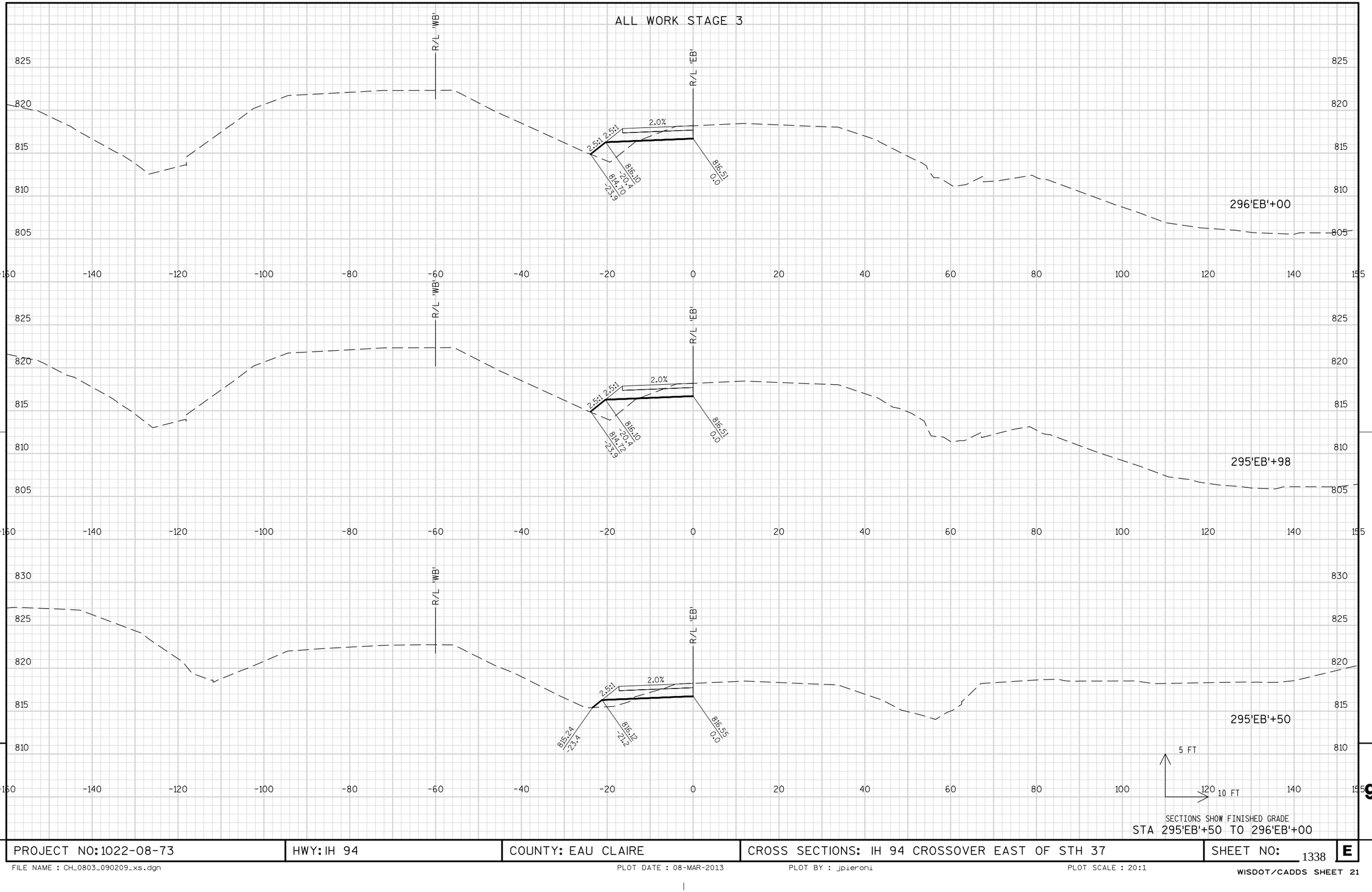
STA 294'EB'+50 TO 295'EB'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 CROSSOVER EAST OF STH 37	SHEET NO: 1337 E

FILE NAME : CH_0803_090209_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 3



SECTIONS SHOW FINISHED GRADE
STA 295'EB'+50 TO 296'EB'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 CROSSOVER EAST OF STH 37	SHEET NO: 1338 E

FILE NAME : CH_0803_090209_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

ALL WORK STAGE 3



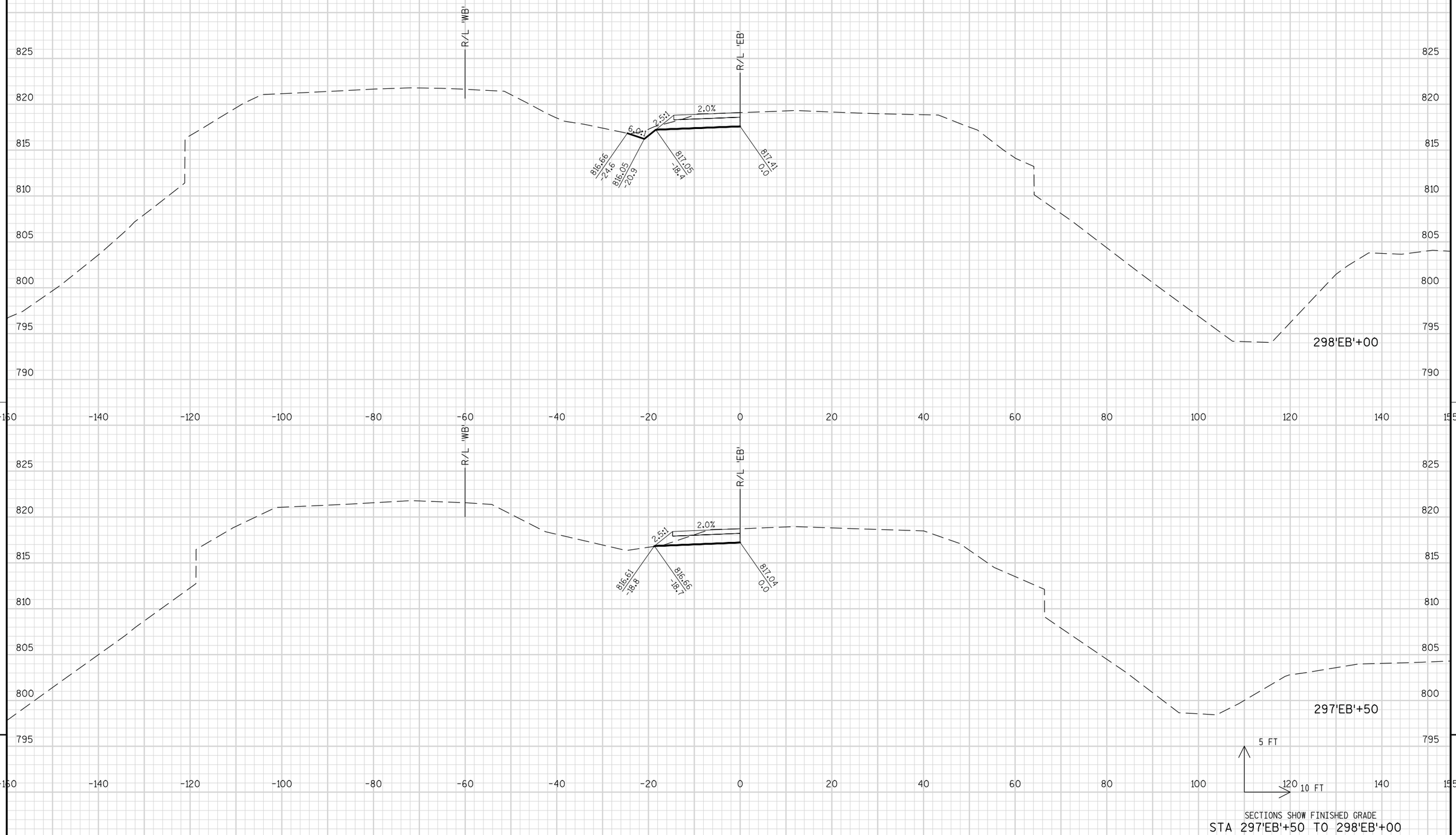
SECTIONS SHOW FINISHED GRADE
STA 296'EB'+50 TO 297'EB'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 CROSSOVER EAST OF STH 37	SHEET NO: 1339	E

FILE NAME : CH_0803_090209_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 3



SECTIONS SHOW FINISHED GRADE

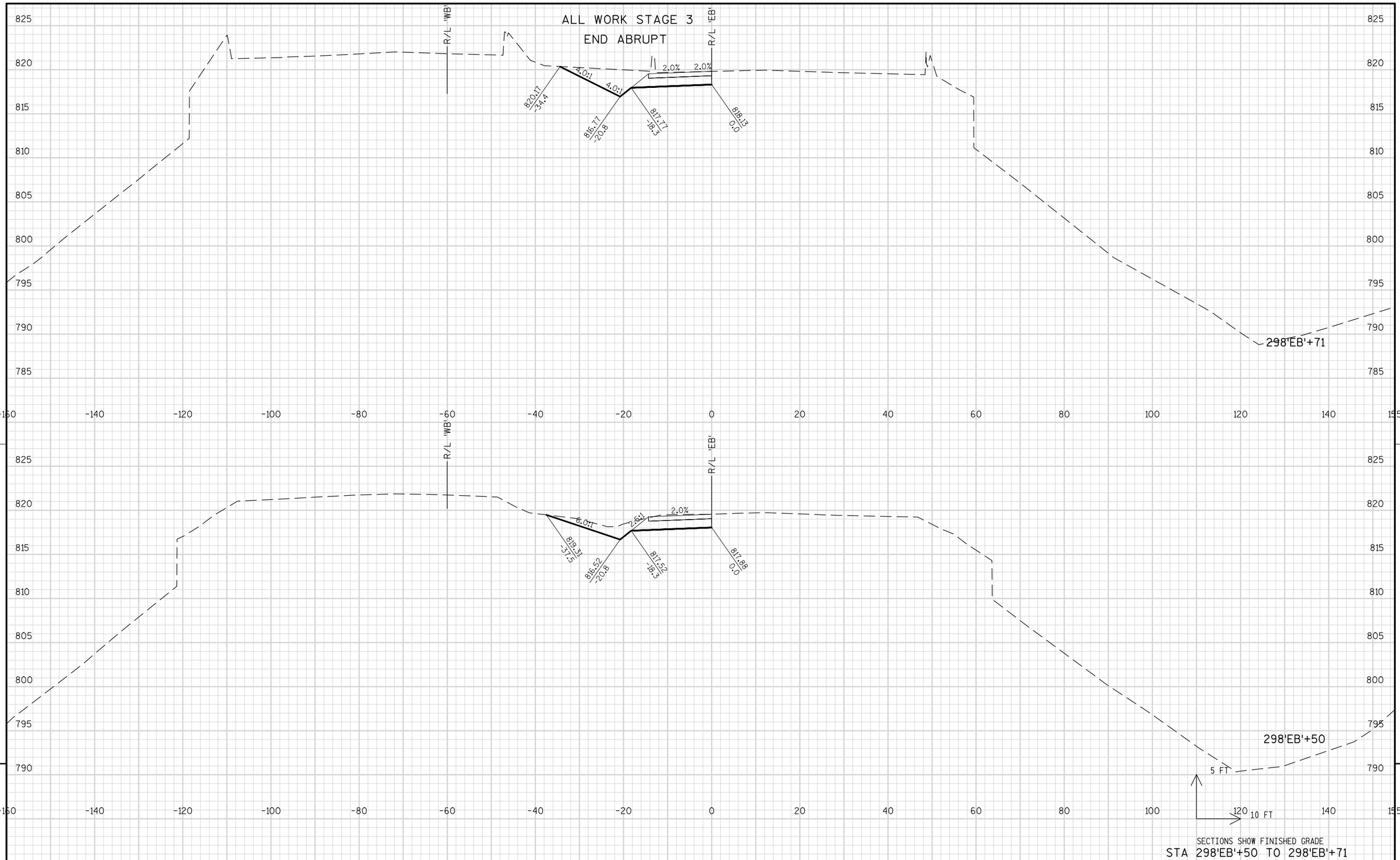
STA 297'EB'+50 TO 298'EB'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 CROSSOVER EAST OF STH 37	SHEET NO: 1340	E

FILE NAME : CH_0803_090209_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 3
END ABRUPT



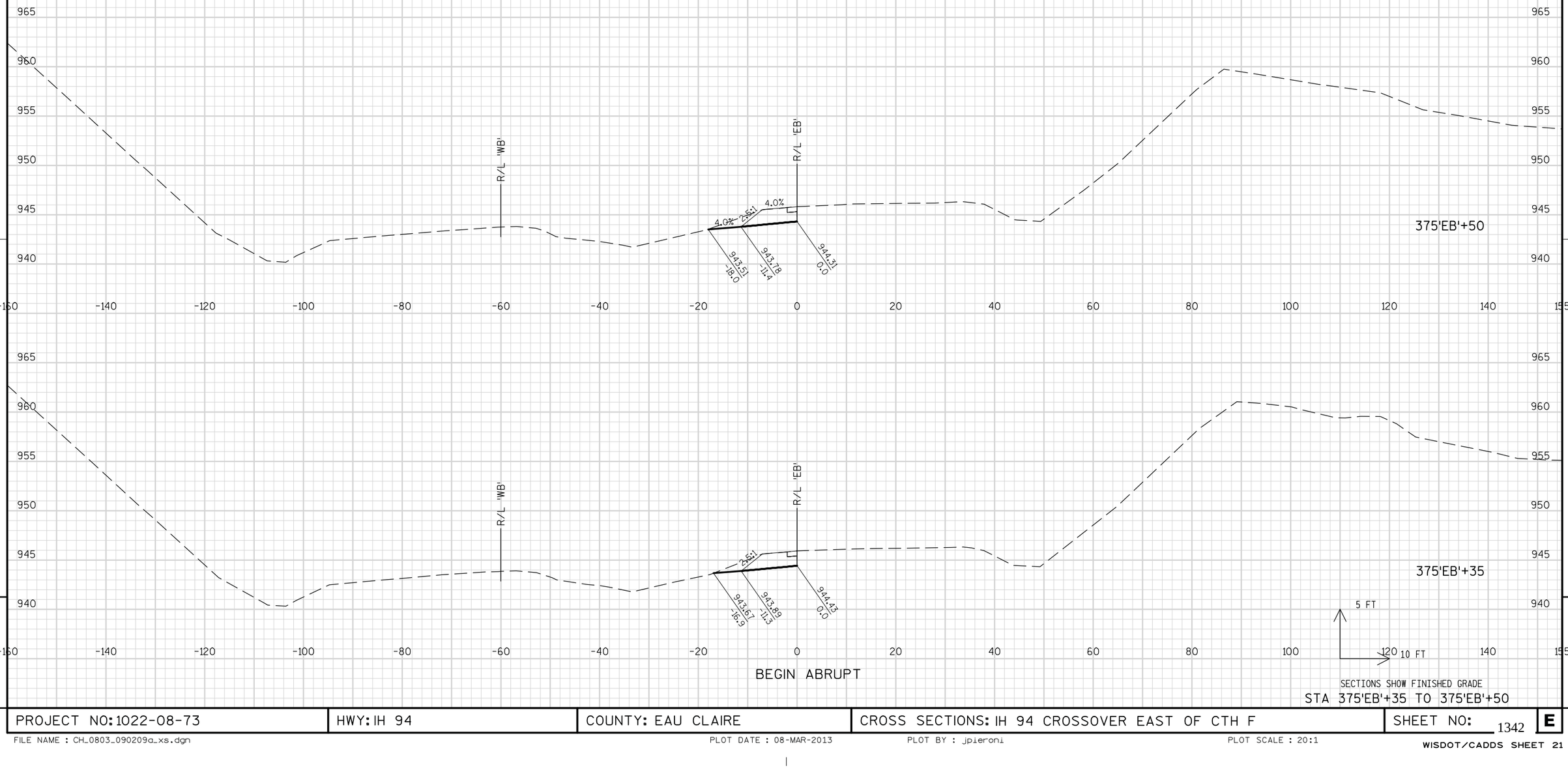
SECTIONS SHOW FINISHED GRADE
STA 298'EB'+50 TO 298'EB'+71

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 CROSSOVER EAST OF STH 37	SHEET NO: 1341	E

FILE NAME : CH_0803_090209_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 1



BEGIN ABRUPT

SECTIONS SHOW FINISHED GRADE

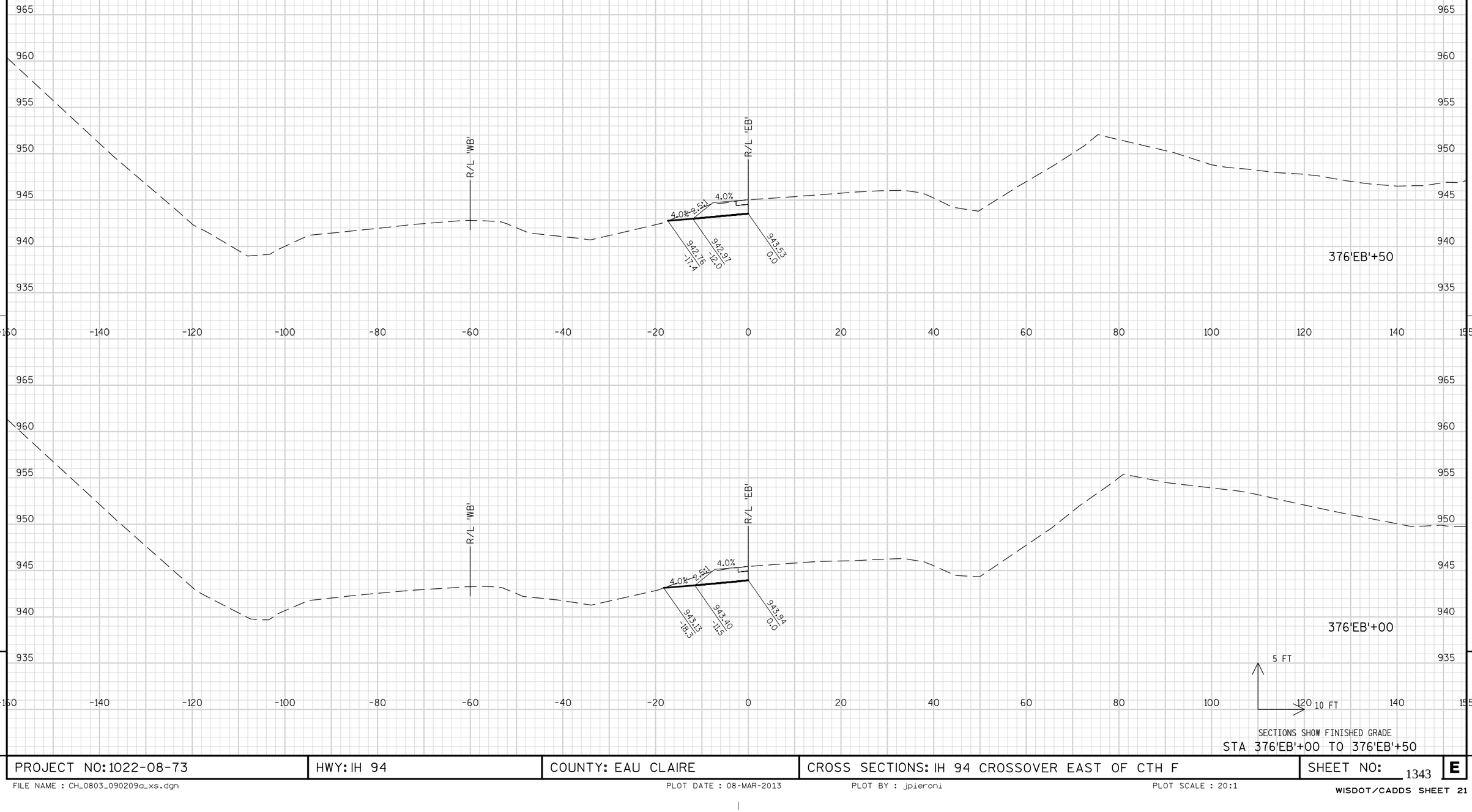
STA 375'EB'+35 TO 375'EB'+50

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 CROSSOVER EAST OF CTH F	SHEET NO: 1342 E

FILE NAME : CH_0803_090209a_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 1

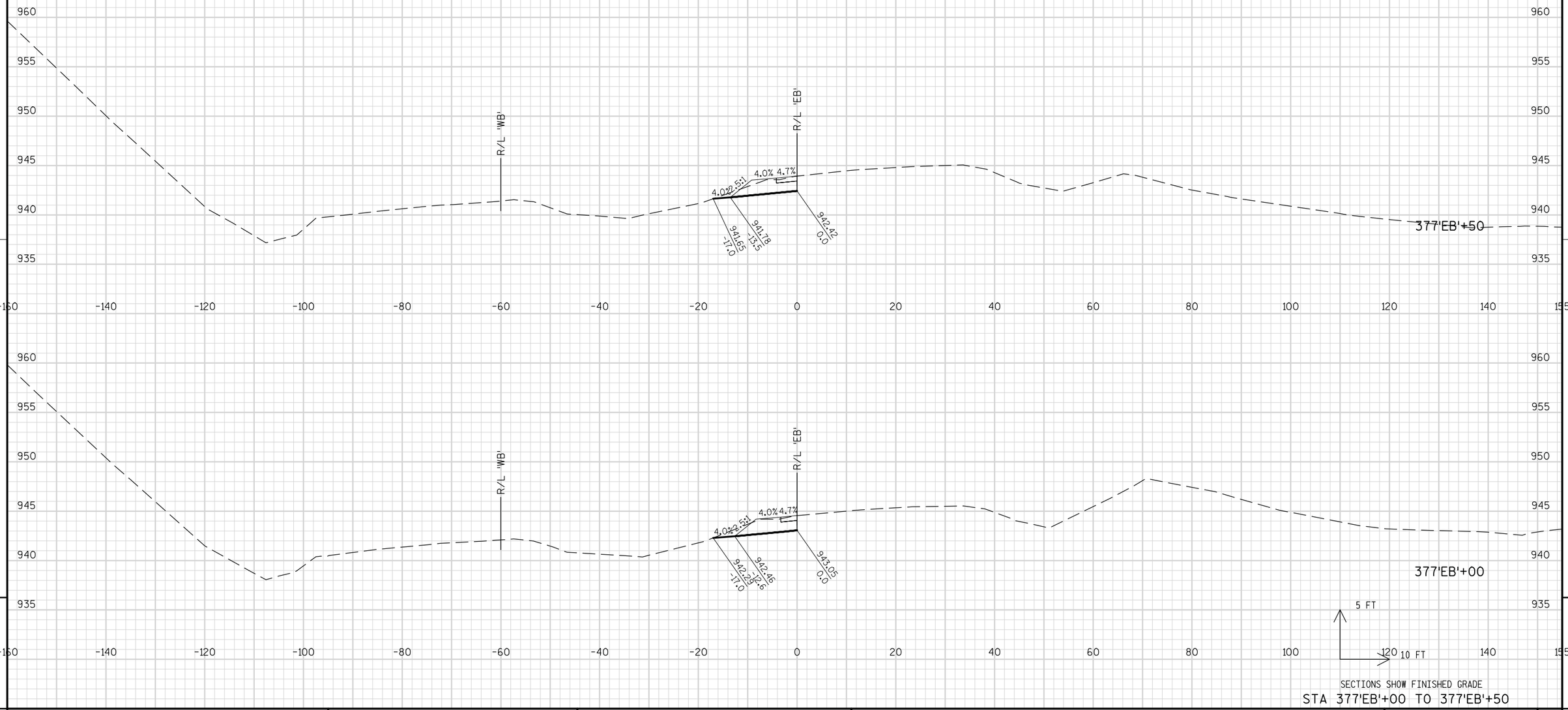


SECTIONS SHOW FINISHED GRADE

STA 376'EB'+00 TO 376'EB'+50

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 CROSSOVER EAST OF CTH F	SHEET NO: 1343 E

ALL WORK STAGE 1



SECTIONS SHOW FINISHED GRADE

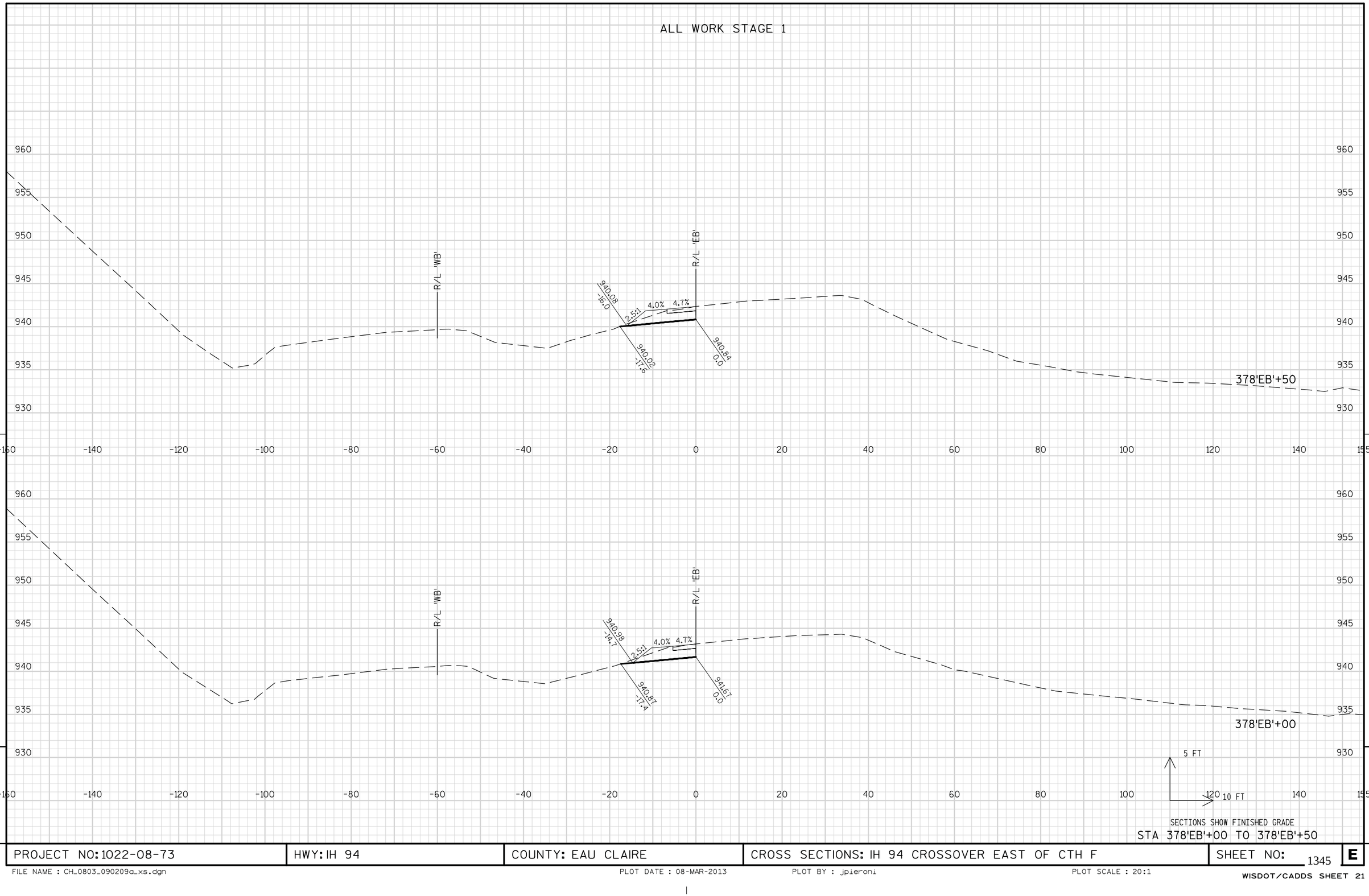
STA 377'EB'+00 TO 377'EB'+50

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 CROSSOVER EAST OF CTH F	SHEET NO: 1344 E

FILE NAME : CH_0803_090209a_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 1



SECTIONS SHOW FINISHED GRADE

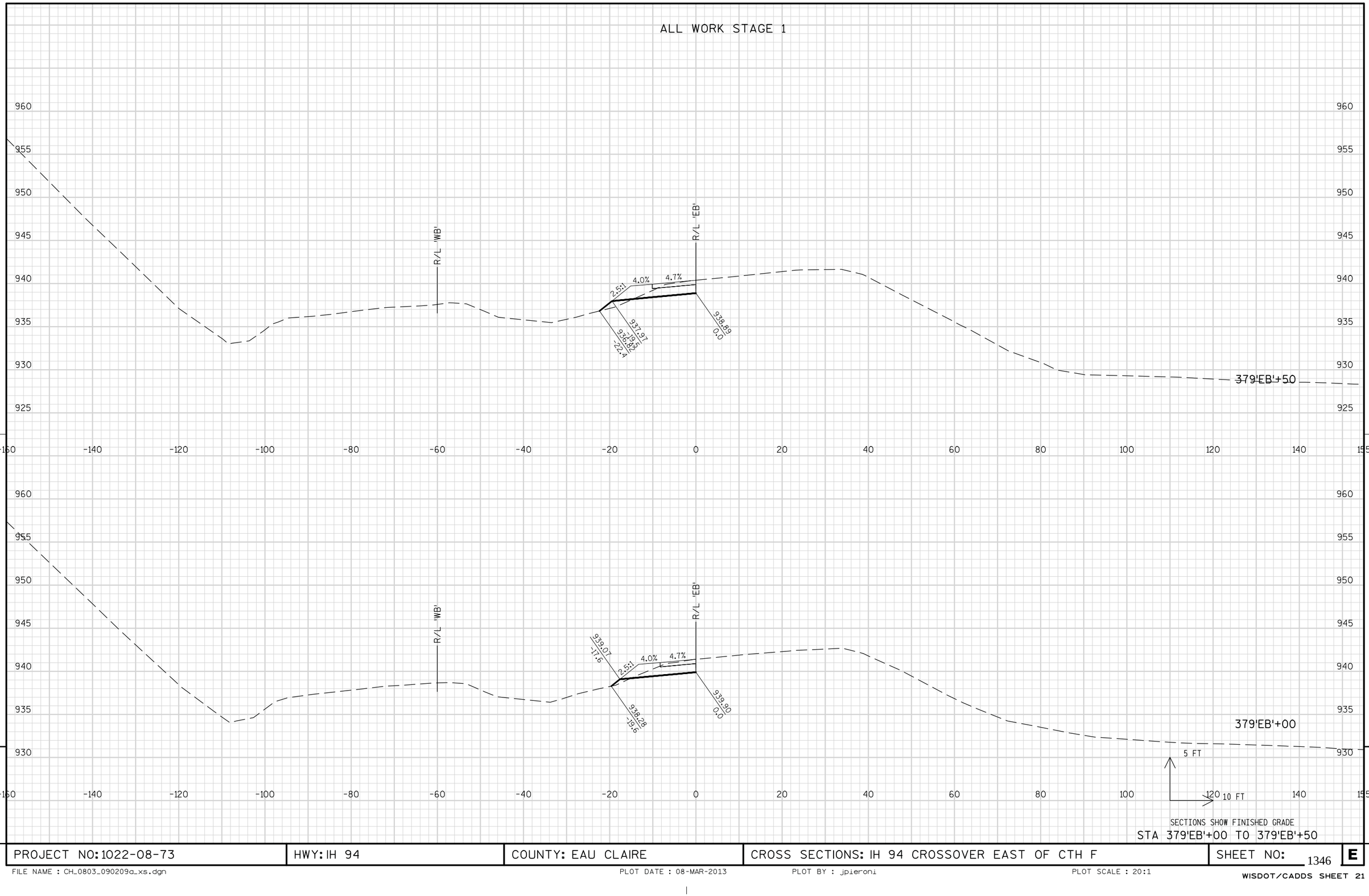
STA 378'EB'+00 TO 378'EB'+50

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 CROSSOVER EAST OF CTH F	SHEET NO: 1345 E

FILE NAME : CH_0803_090209a_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 1



SECTIONS SHOW FINISHED GRADE

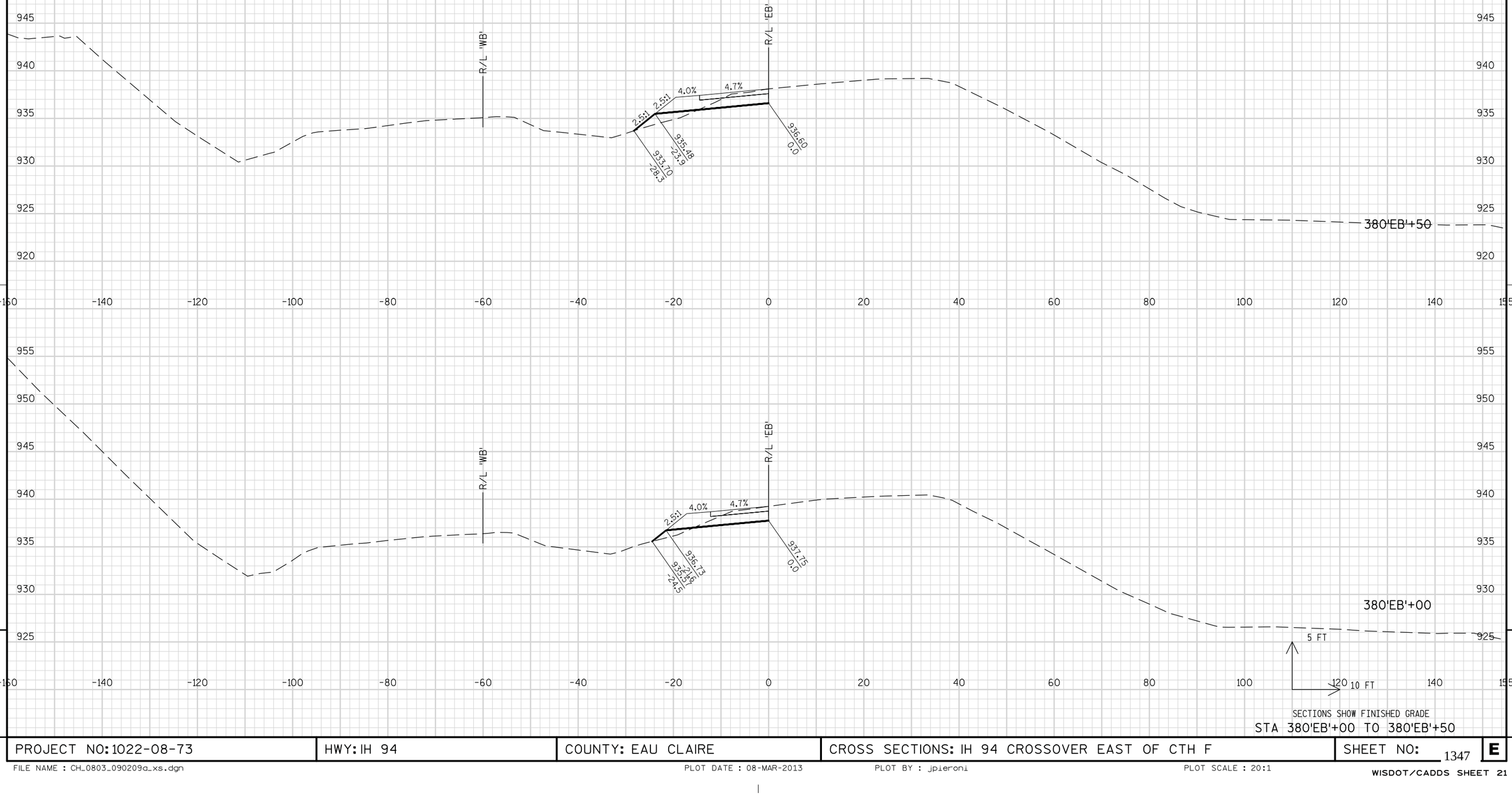
STA 379'EB'+00 TO 379'EB'+50

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 CROSSOVER EAST OF CTH F	SHEET NO: 1346 E

FILE NAME : CH_0803_090209a_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 1

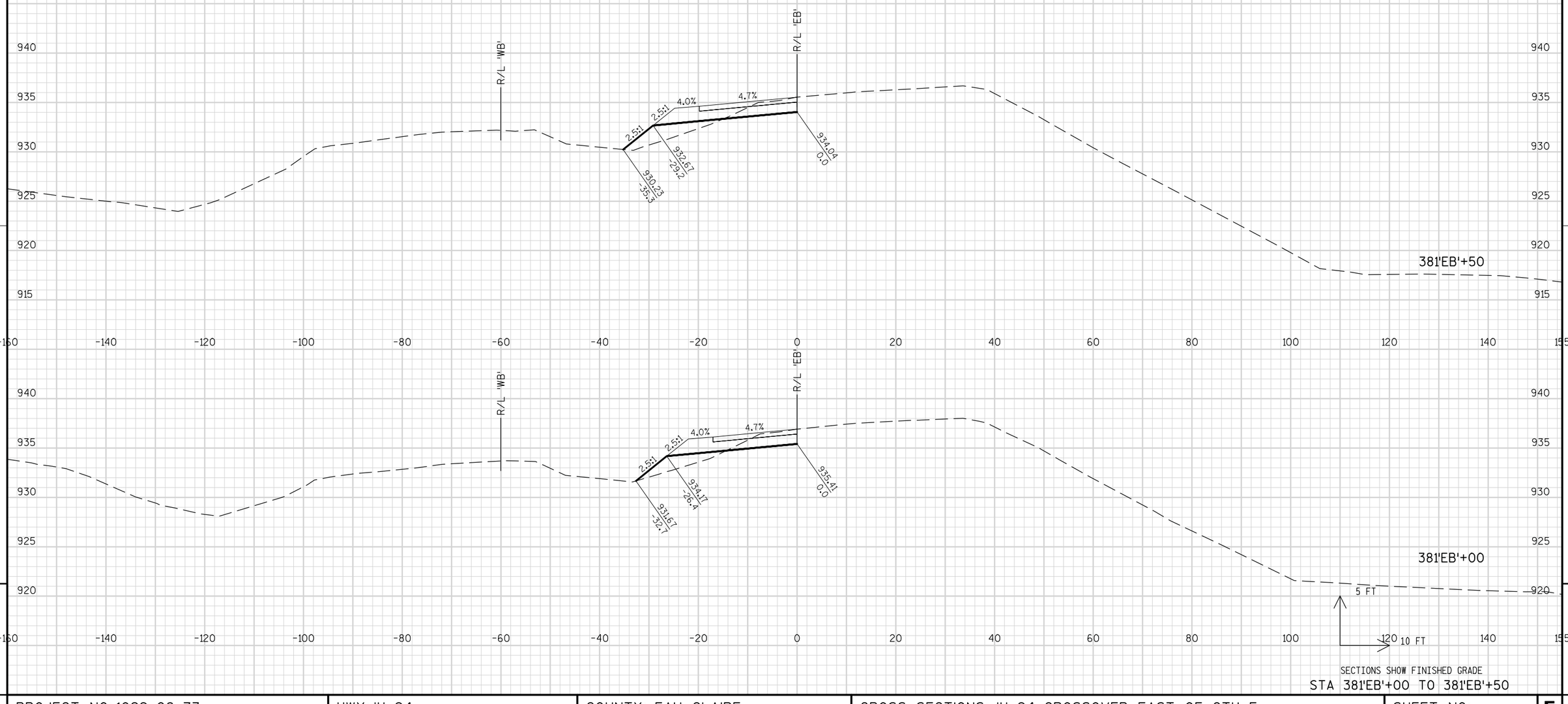


PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 CROSSOVER EAST OF CTH F	SHEET NO: 1347 E

FILE NAME : CH_0803_090209a_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 1



SECTIONS SHOW FINISHED GRADE

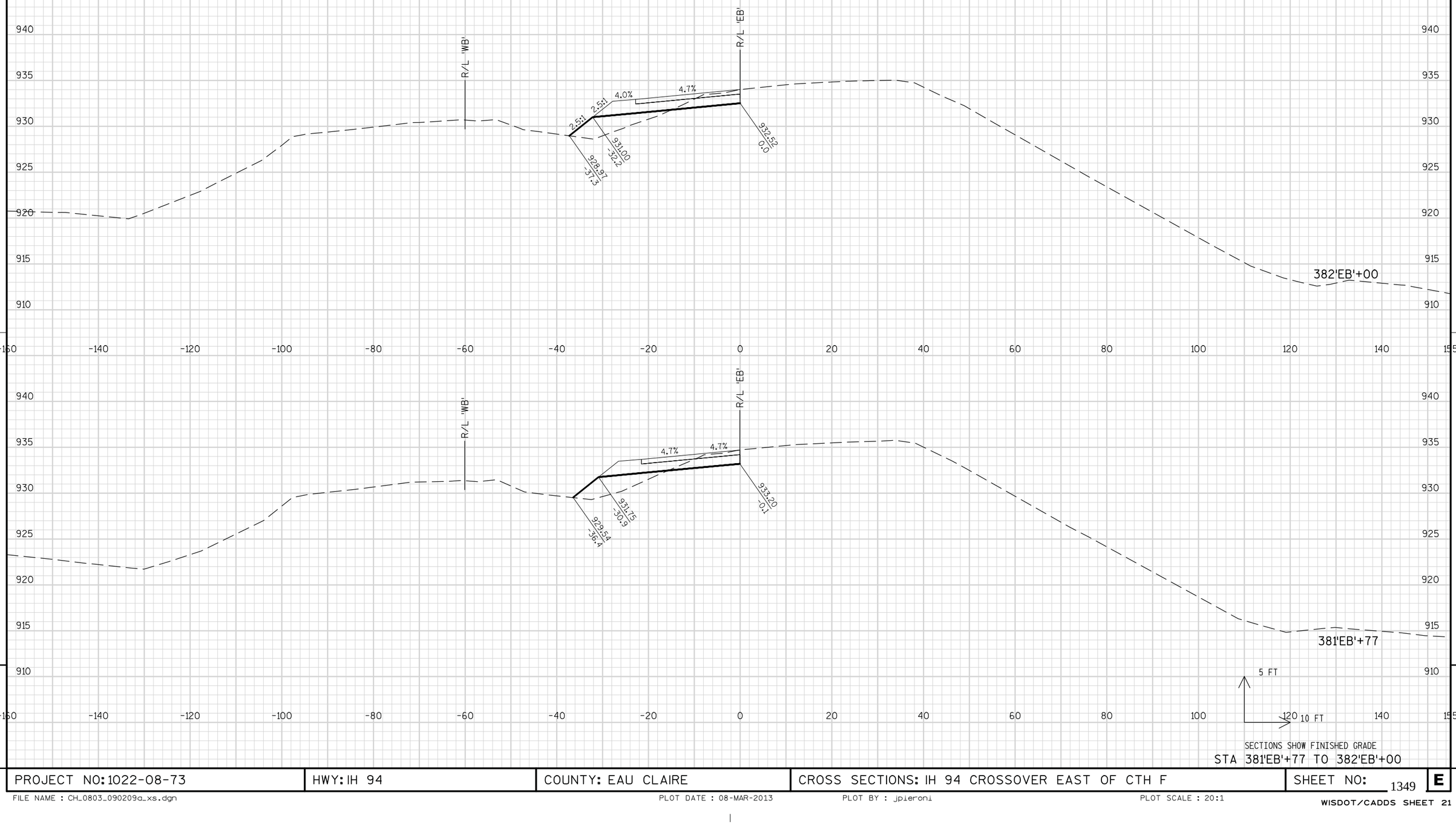
STA 381'EB'+00 TO 381'EB'+50

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 CROSSOVER EAST OF CTH F	SHEET NO: 1348	E

FILE NAME : CH_0803_090209a_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 1



SECTIONS SHOW FINISHED GRADE

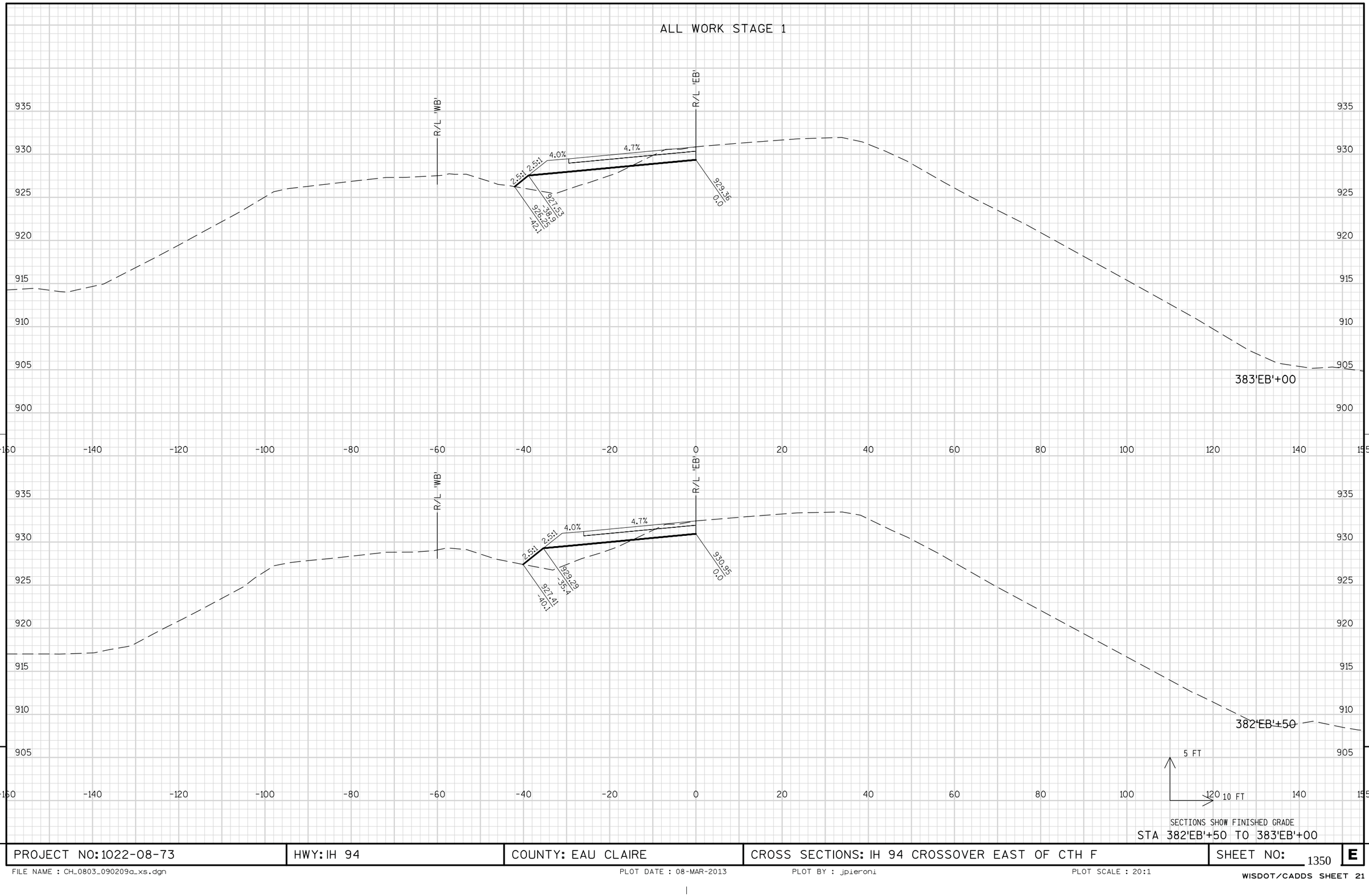
STA 381'EB'+77 TO 382'EB'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 CROSSOVER EAST OF CTH F	SHEET NO: 1349 E

FILE NAME : CH_0803_090209a_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 1



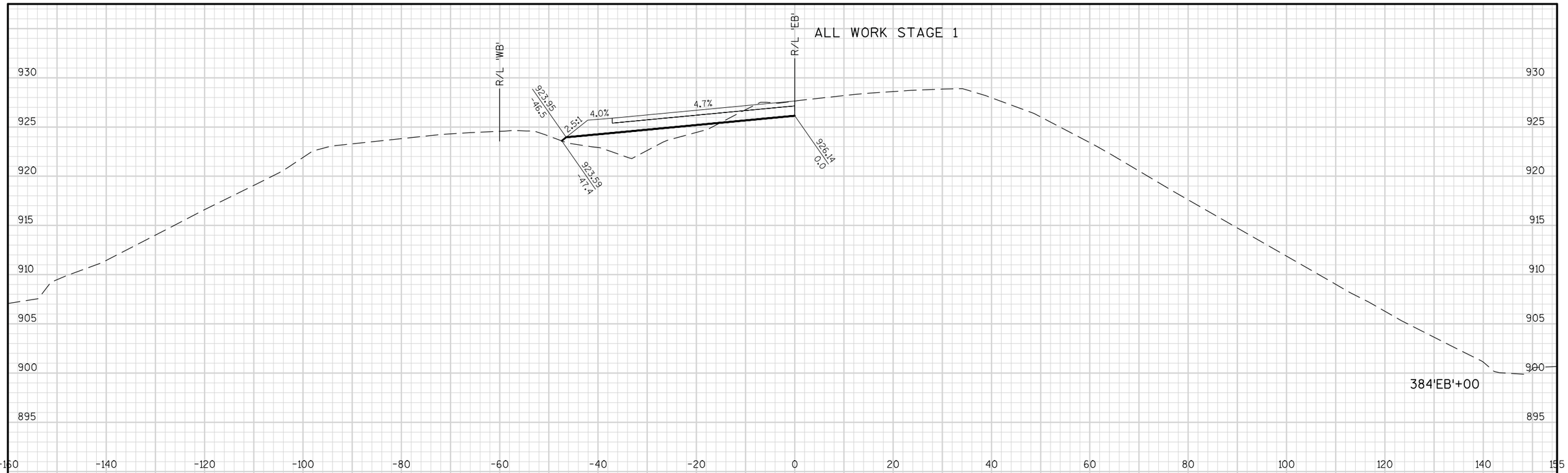
SECTIONS SHOW FINISHED GRADE

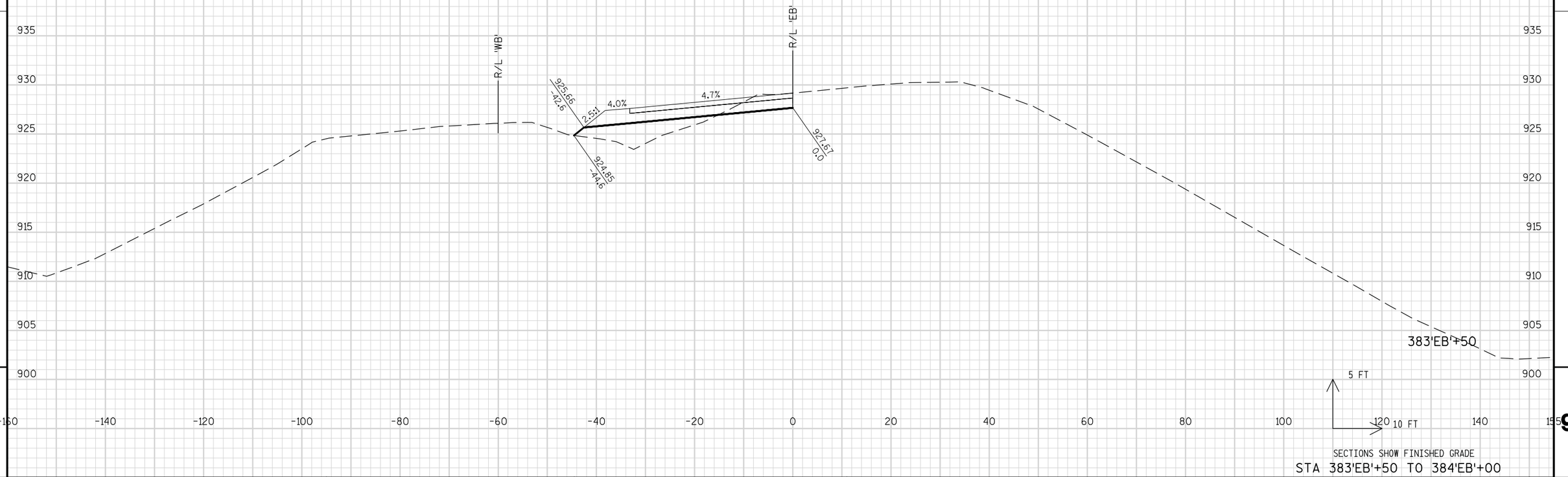
STA 382'EB'+50 TO 383'EB'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 CROSSOVER EAST OF CTH F	SHEET NO: 1350	E

FILE NAME : CH_0803_090209a_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

ALL WORK STAGE 1





SECTIONS SHOW FINISHED GRADE

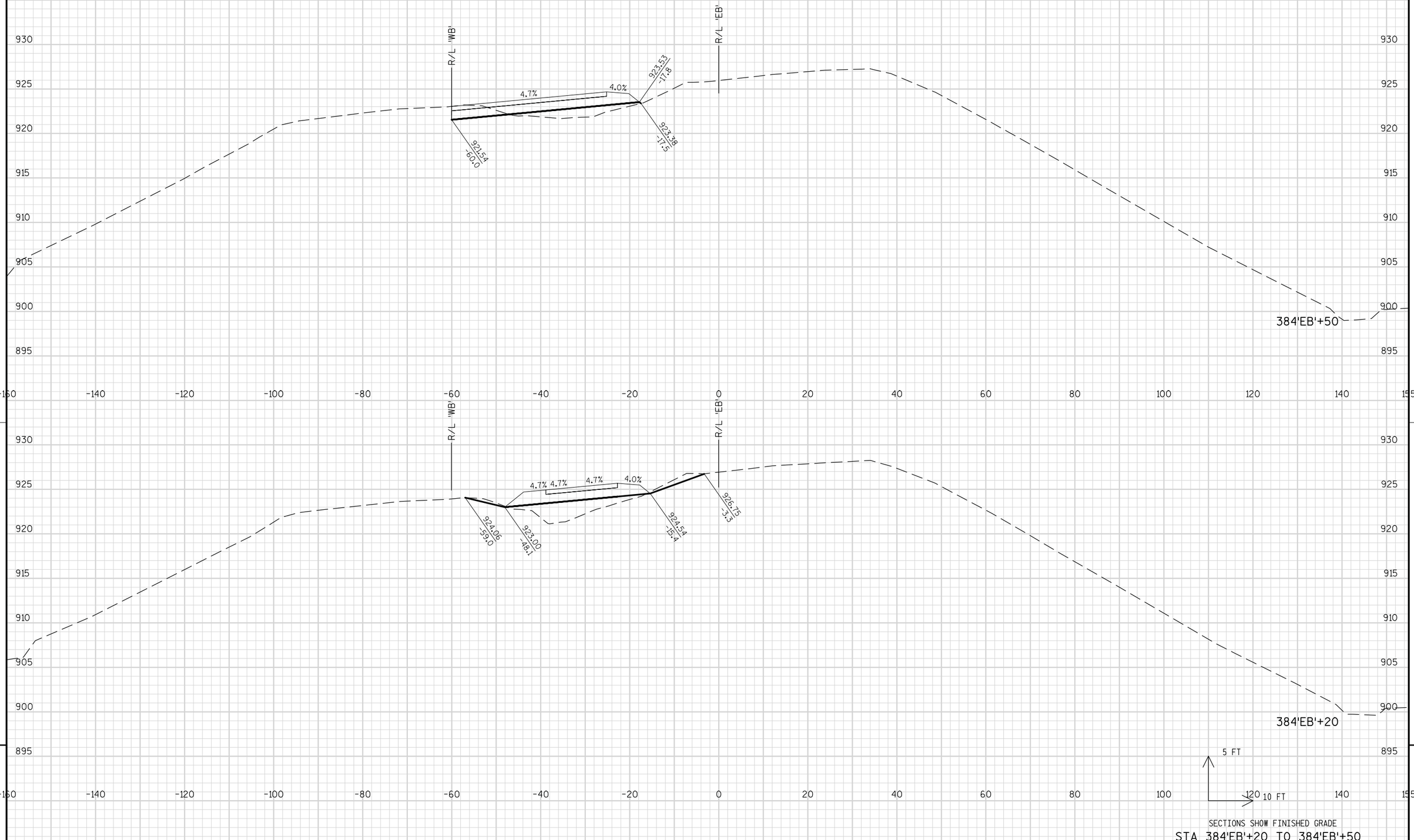
STA 383'EB'+50 TO 384'EB'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 CROSSOVER EAST OF CTH F	SHEET NO: 1351	E

FILE NAME : CH_0803_090209a_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 1



SECTIONS SHOW FINISHED GRADE

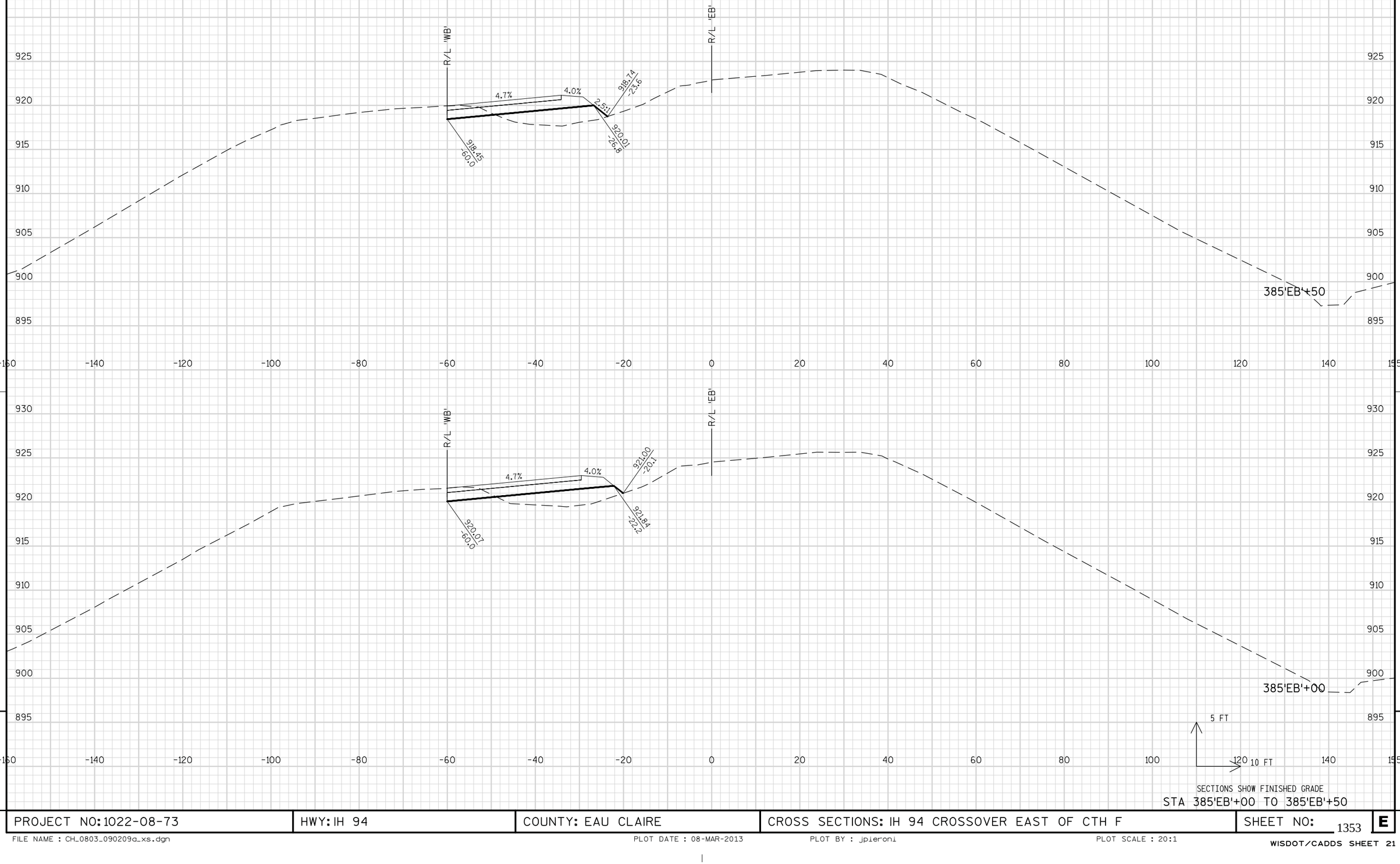
STA 384'EB'+20 TO 384'EB'+50

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 CROSSOVER EAST OF CTH F	SHEET NO: 1352	E

FILE NAME : CH_0803_090209a_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 1



SECTIONS SHOW FINISHED GRADE

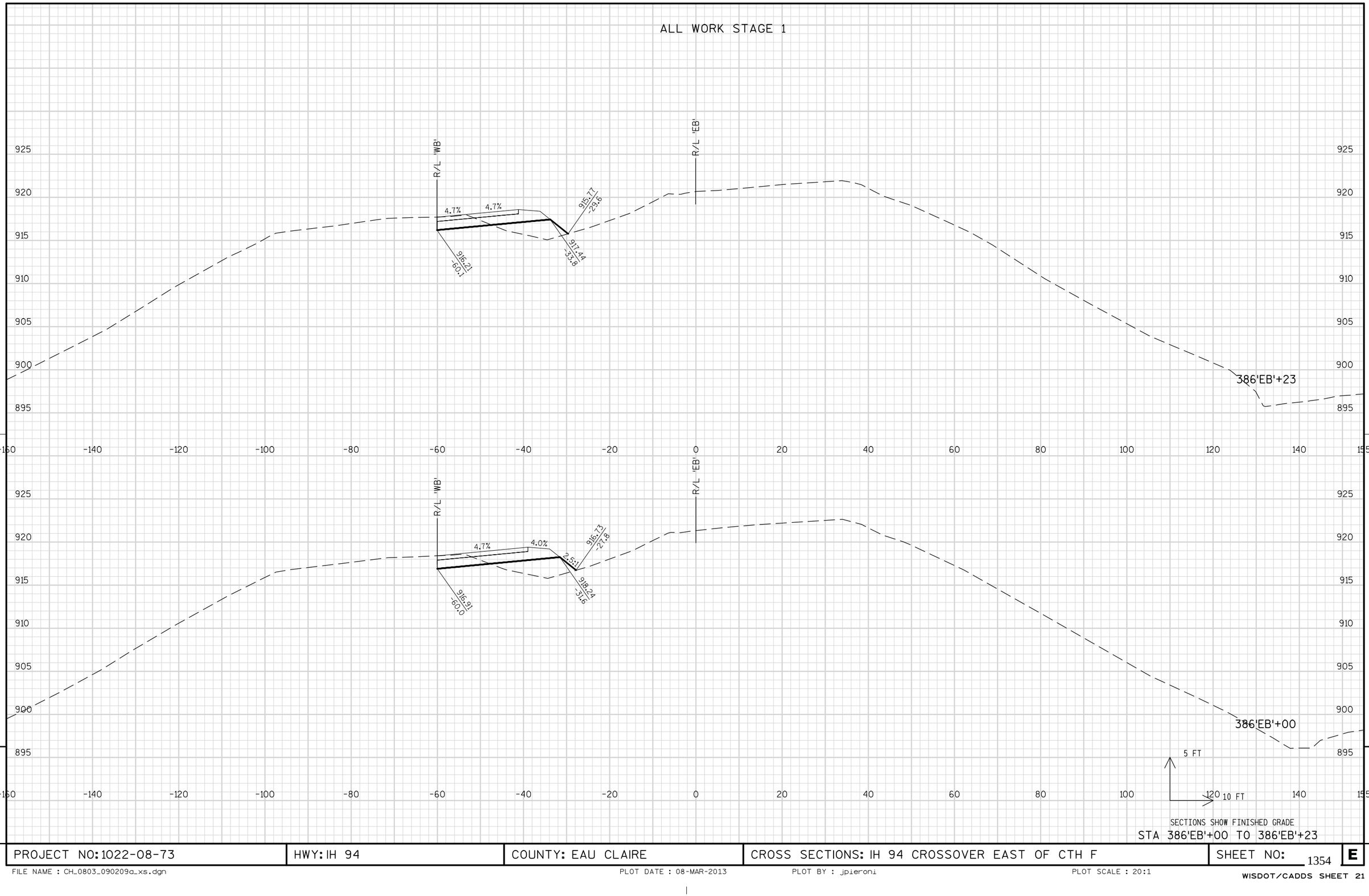
STA 385'EB'+00 TO 385'EB'+50

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 CROSSOVER EAST OF CTH F	SHEET NO: 1353	E

FILE NAME : CH_0803_090209a_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 1

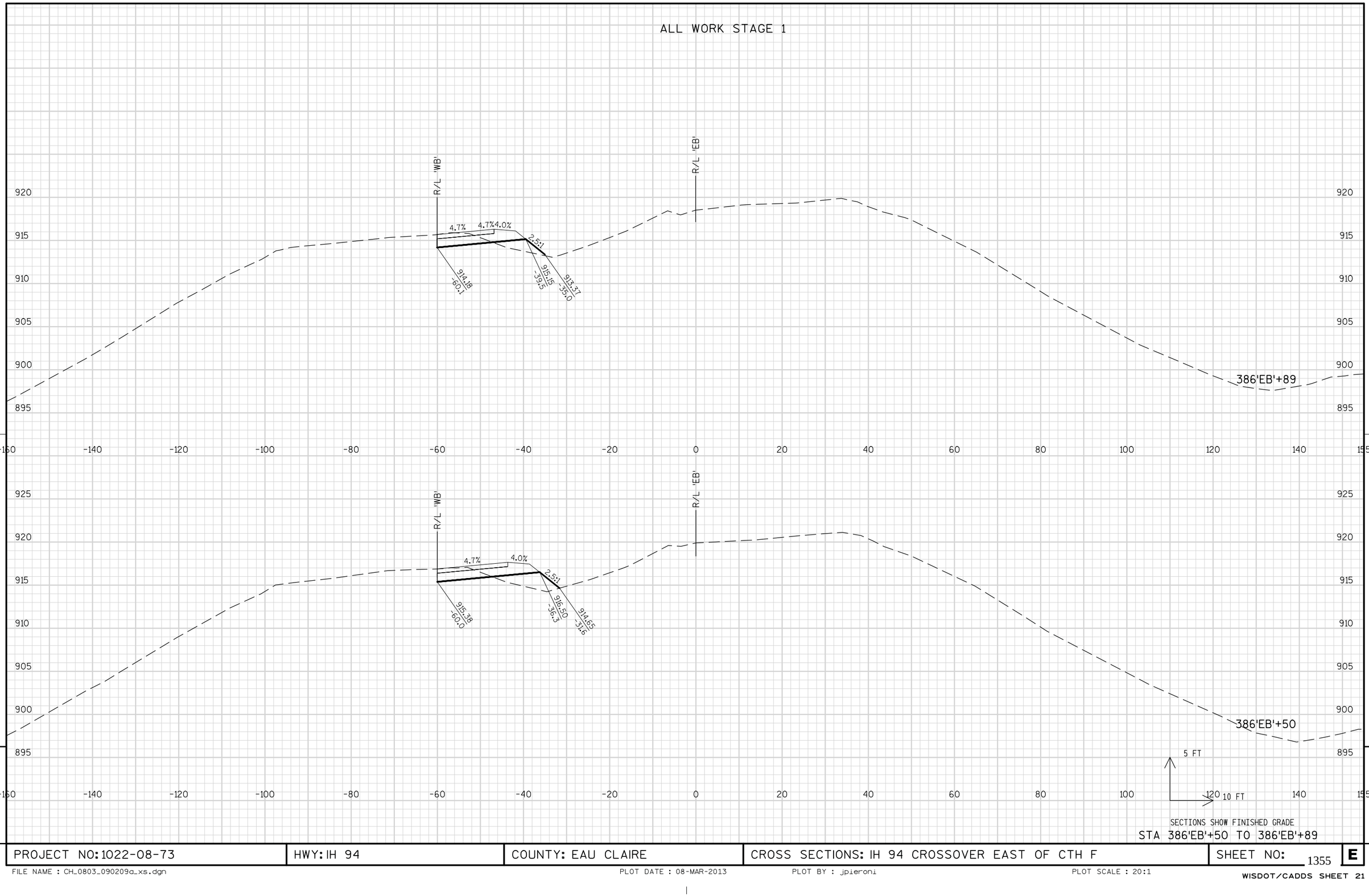


PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 CROSSOVER EAST OF CTH F	SHEET NO: 1354 E

FILE NAME : CH_0803_090209a_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 1



SECTIONS SHOW FINISHED GRADE

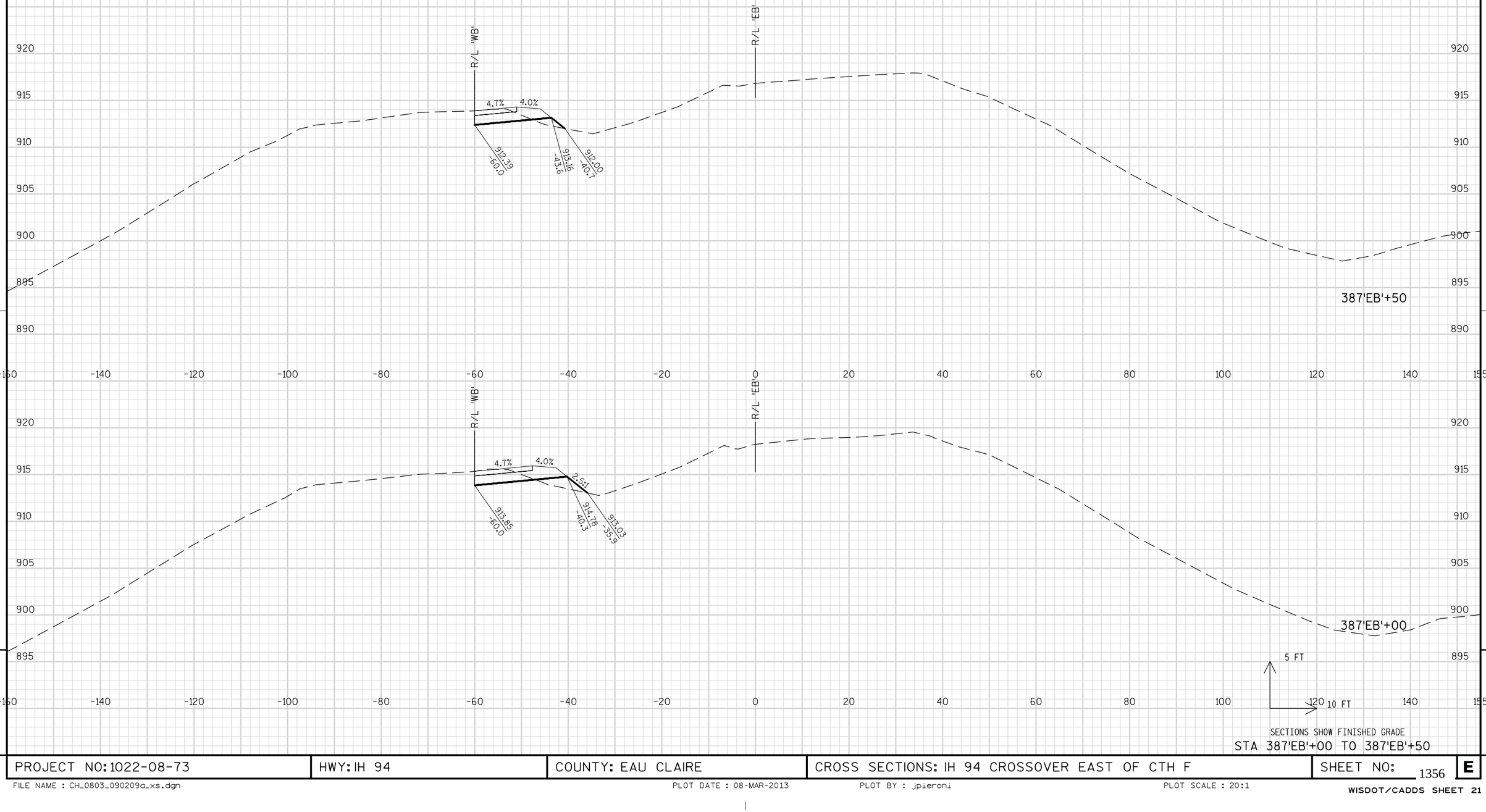
STA 386'EB'+50 TO 386'EB'+89

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 CROSSOVER EAST OF CTH F	SHEET NO: 1355 E

FILE NAME : CH_0803_090209a_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 1



SECTIONS SHOW FINISHED GRADE

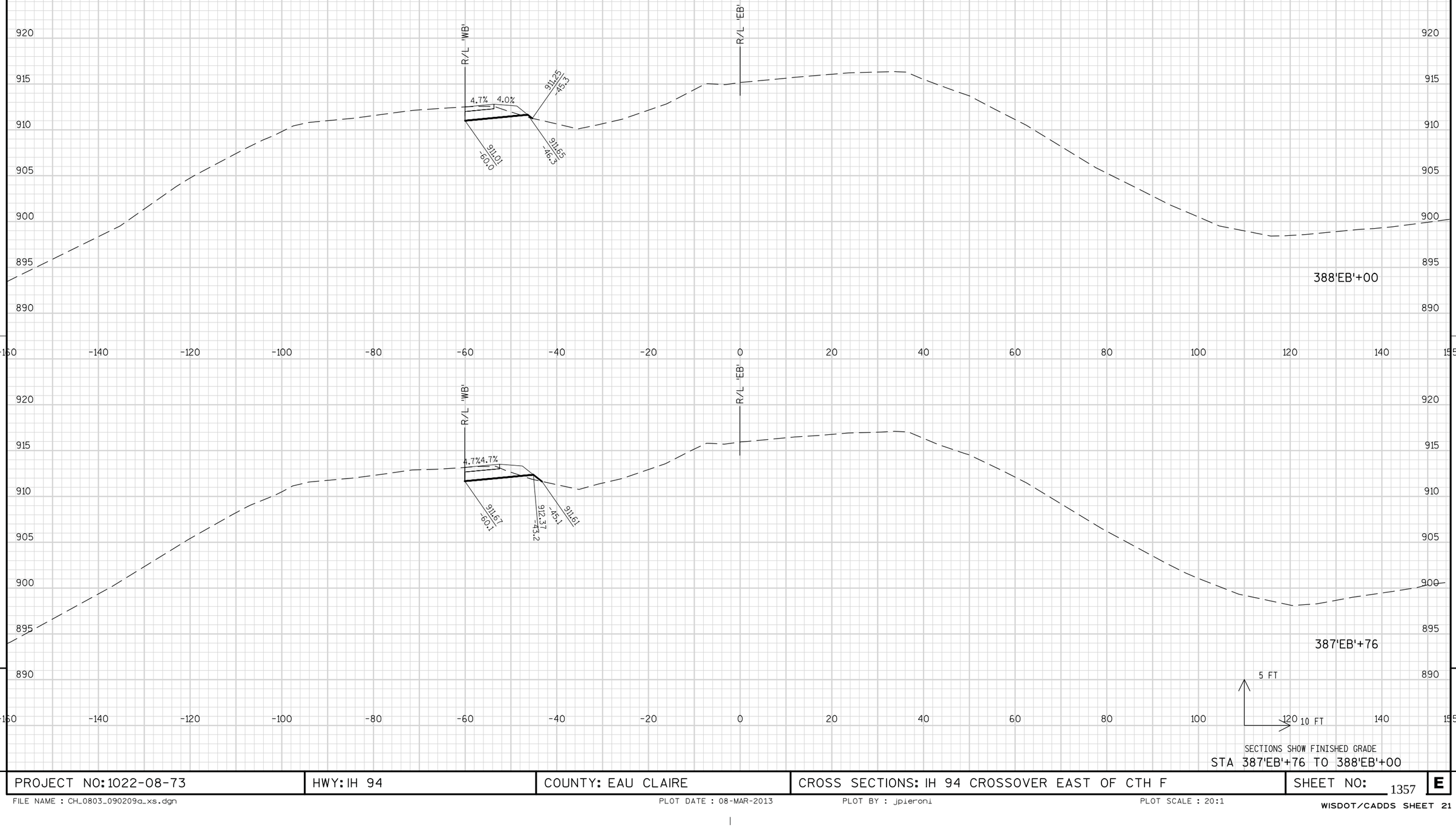
STA 387'EB'+00 TO 387'EB'+50

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 CROSSOVER EAST OF CTH F	SHEET NO: 1356 E

FILE NAME : CH_0803_090209a_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 1

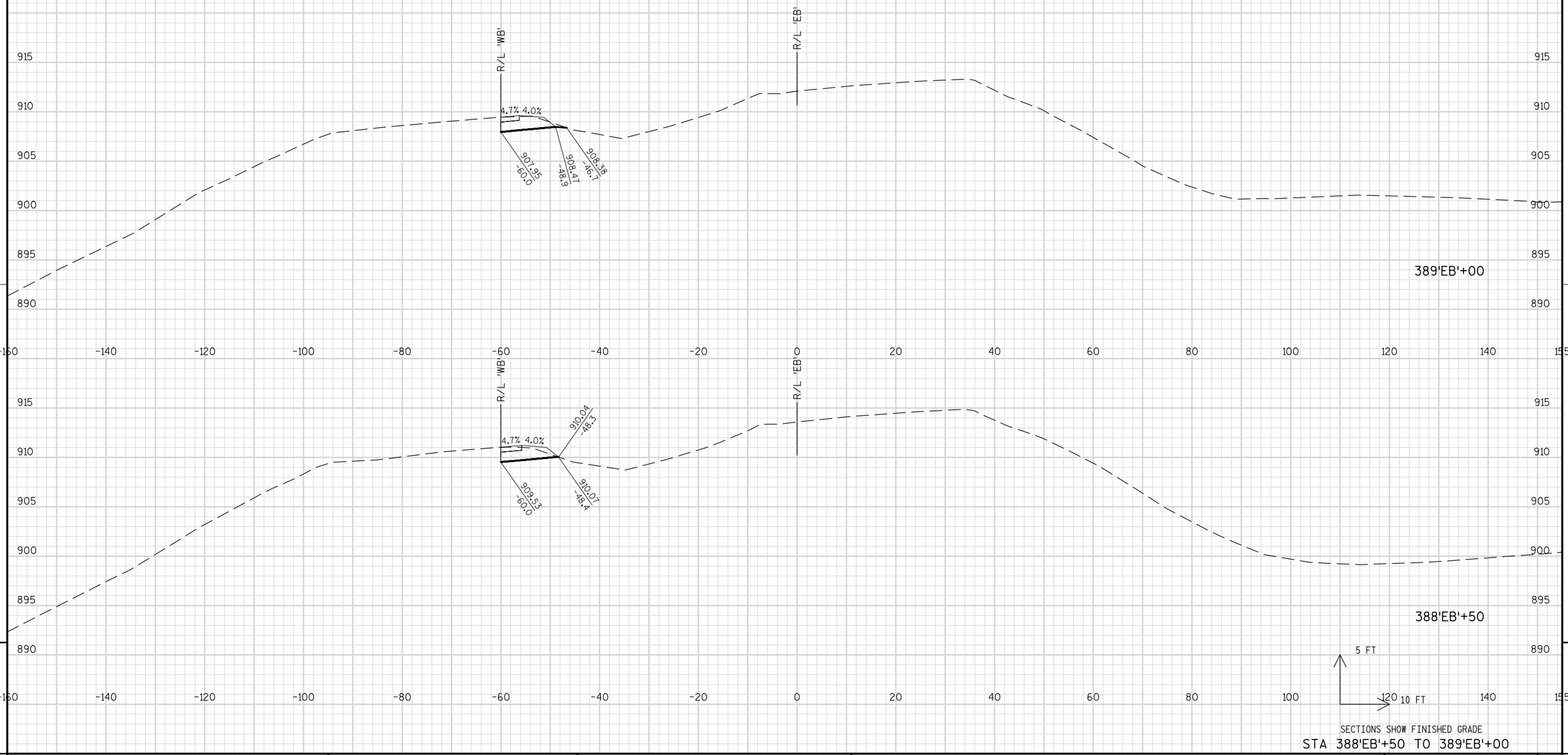


SECTIONS SHOW FINISHED GRADE

STA 387'EB'+76 TO 388'EB'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 CROSSOVER EAST OF CTH F	SHEET NO: 1357 E

ALL WORK STAGE 1



SECTIONS SHOW FINISHED GRADE

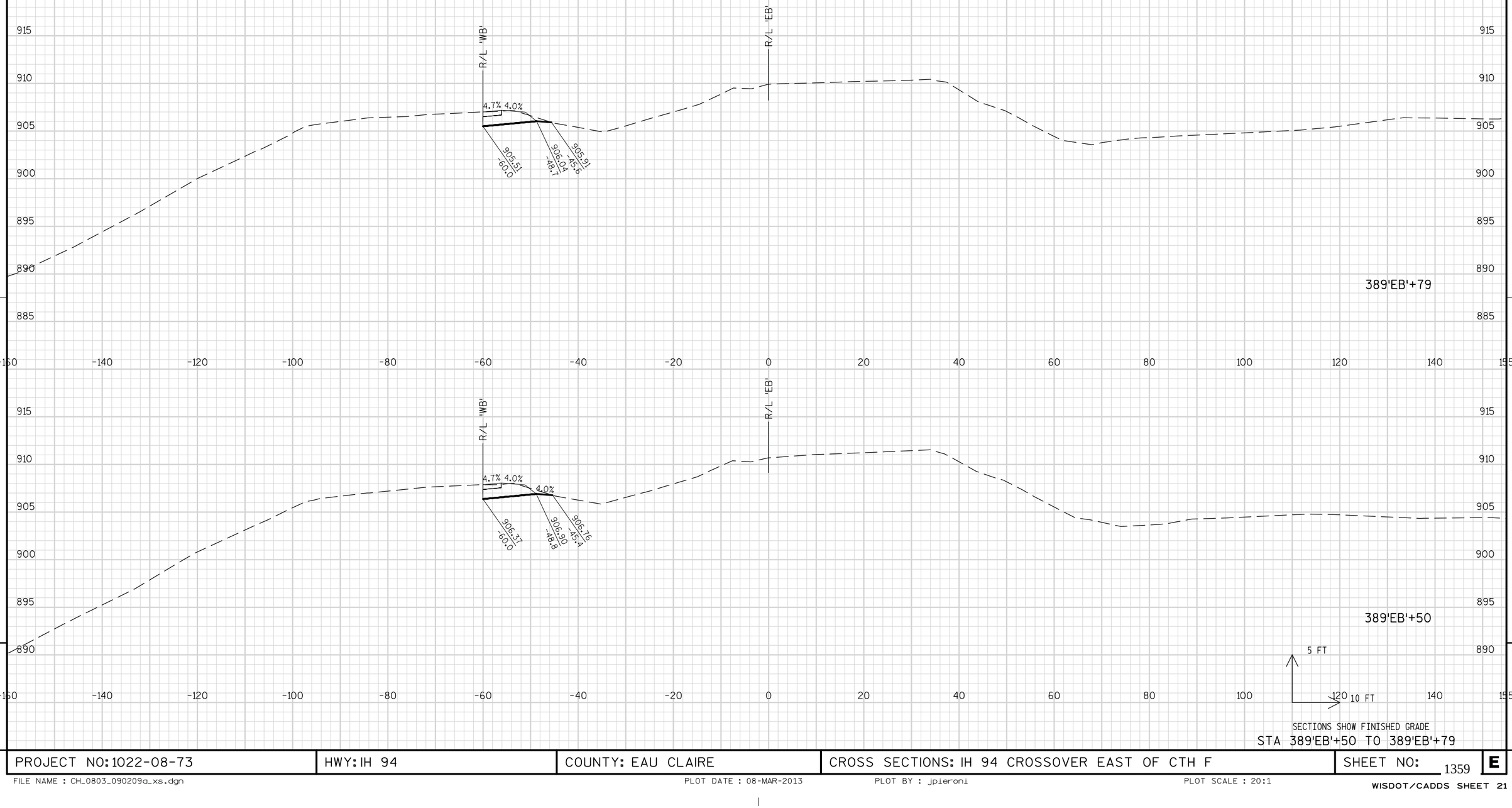
STA 388'EB'+50 TO 389'EB'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 CROSSOVER EAST OF CTH F	SHEET NO: 1358 E

FILE NAME : CH_0803_090209a_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

ALL WORK STAGE 1

END ABRUPT



SECTIONS SHOW FINISHED GRADE

STA 389'EB'+50 TO 389'EB'+79

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 CROSSOVER EAST OF CTH F	SHEET NO: 1359 E

FILE NAME : CH_0803_090209a_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 1

SECTIONS SHOW FINISHED GRADE

STA 75'TEMPRD'+50 TO 76'TEMPRD'+50

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 CROSSOVER WEST OF STH 93	SHEET NO: 1360	E

FILE NAME : CH_0803_090209b_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 1

SECTIONS SHOW FINISHED GRADE

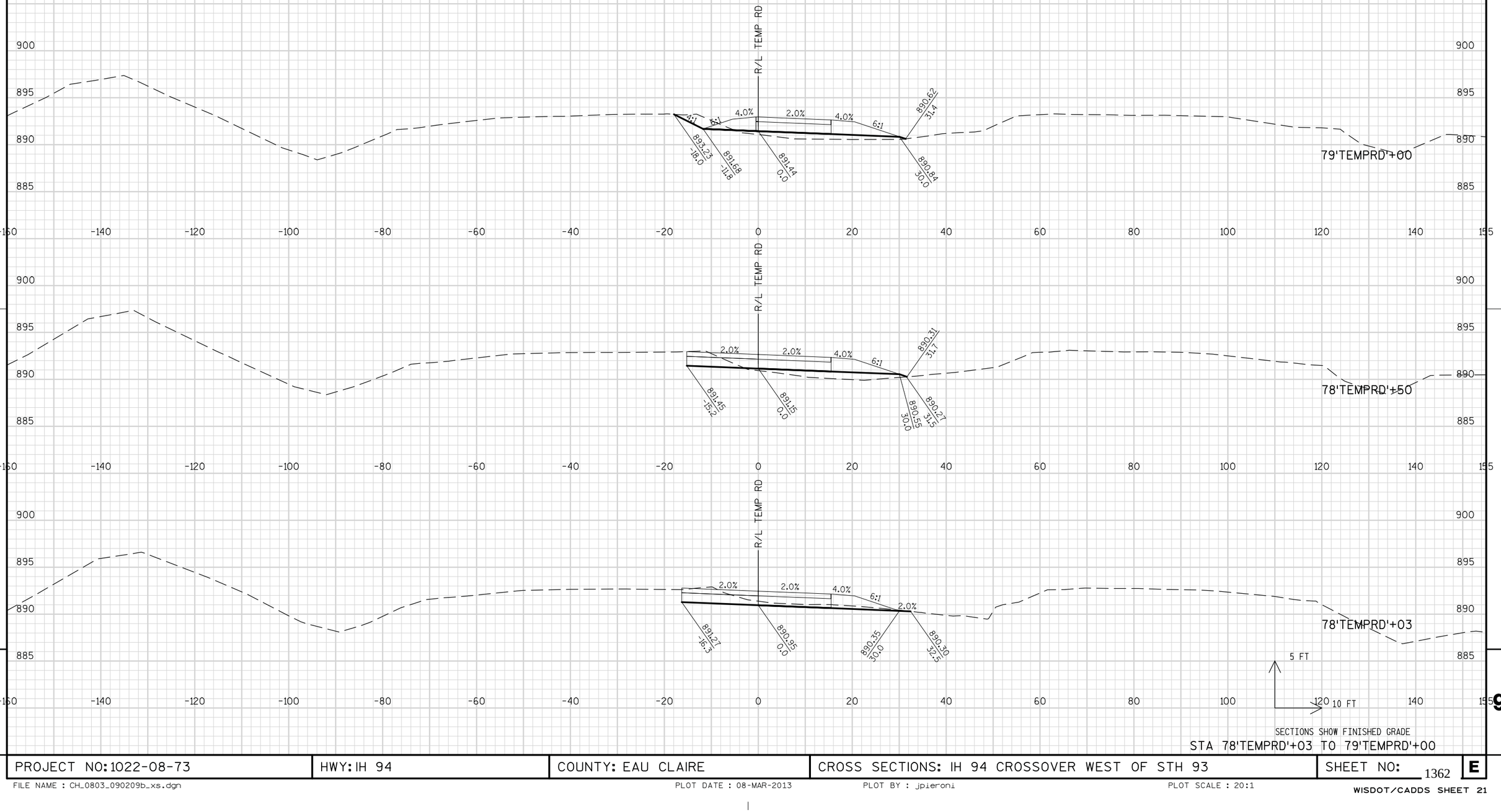
STA 77'TEMPRD'+00 TO 78'TEMPRD'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 CROSSOVER WEST OF STH 93	SHEET NO: 1361	E

FILE NAME : CH_0803_090209b_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 1



SECTIONS SHOW FINISHED GRADE

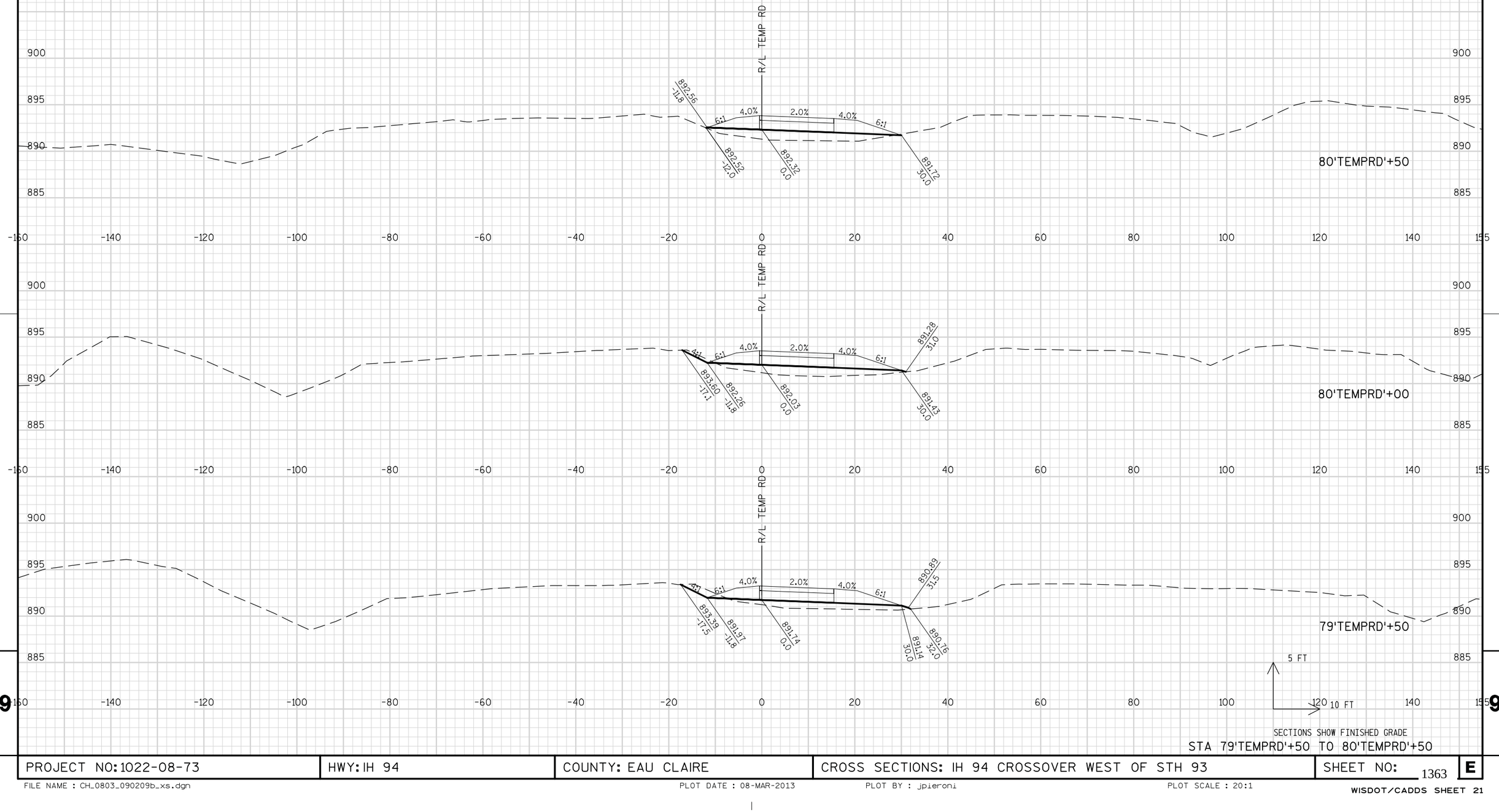
STA 78'TEMPRD'+03 TO 79'TEMPRD'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 CROSSOVER WEST OF STH 93	SHEET NO: 1362	E

FILE NAME : CH_0803_090209b_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 1



SECTIONS SHOW FINISHED GRADE

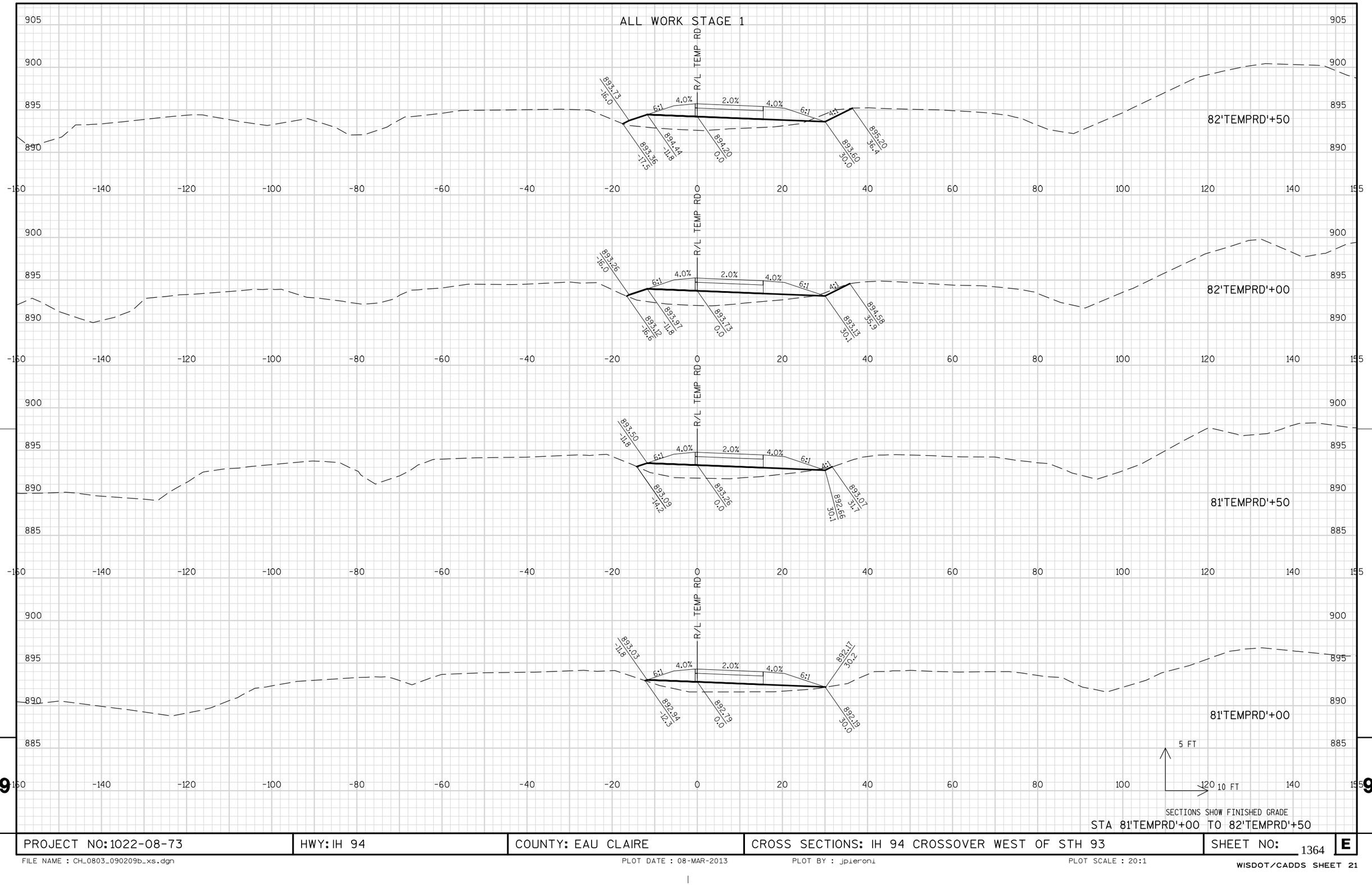
STA 79'TEMPRD'+50 TO 80'TEMPRD'+50

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 CROSSOVER WEST OF STH 93	SHEET NO: 1363	E

FILE NAME : CH_0803_090209b_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 1



SECTIONS SHOW FINISHED GRADE

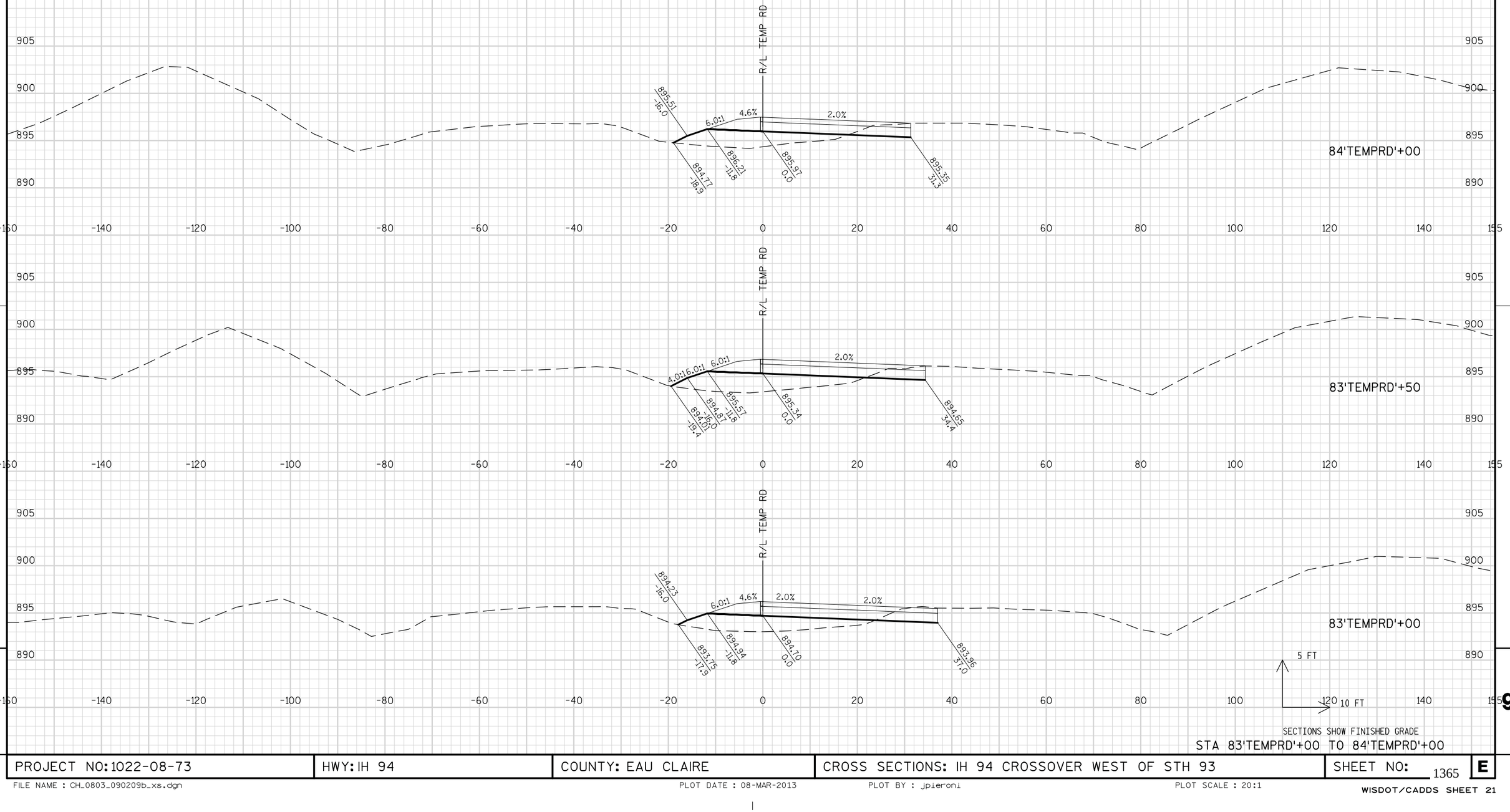
STA 81'TEMPRD'+00 TO 82'TEMPRD'+50

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 CROSSOVER WEST OF STH 93	SHEET NO: 1364	E

FILE NAME : CH_0803_090209b_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 1



SECTIONS SHOW FINISHED GRADE

STA 83'TEMPRD'+00 TO 84'TEMPRD'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 CROSSOVER WEST OF STH 93	SHEET NO: 1365	E

FILE NAME : CH_0803_090209b_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 1

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 CROSSOVER WEST OF STH 93	SHEET NO: 1366 E

FILE NAME : CH_0803_090209b_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 1

SECTIONS SHOW FINISHED GRADE

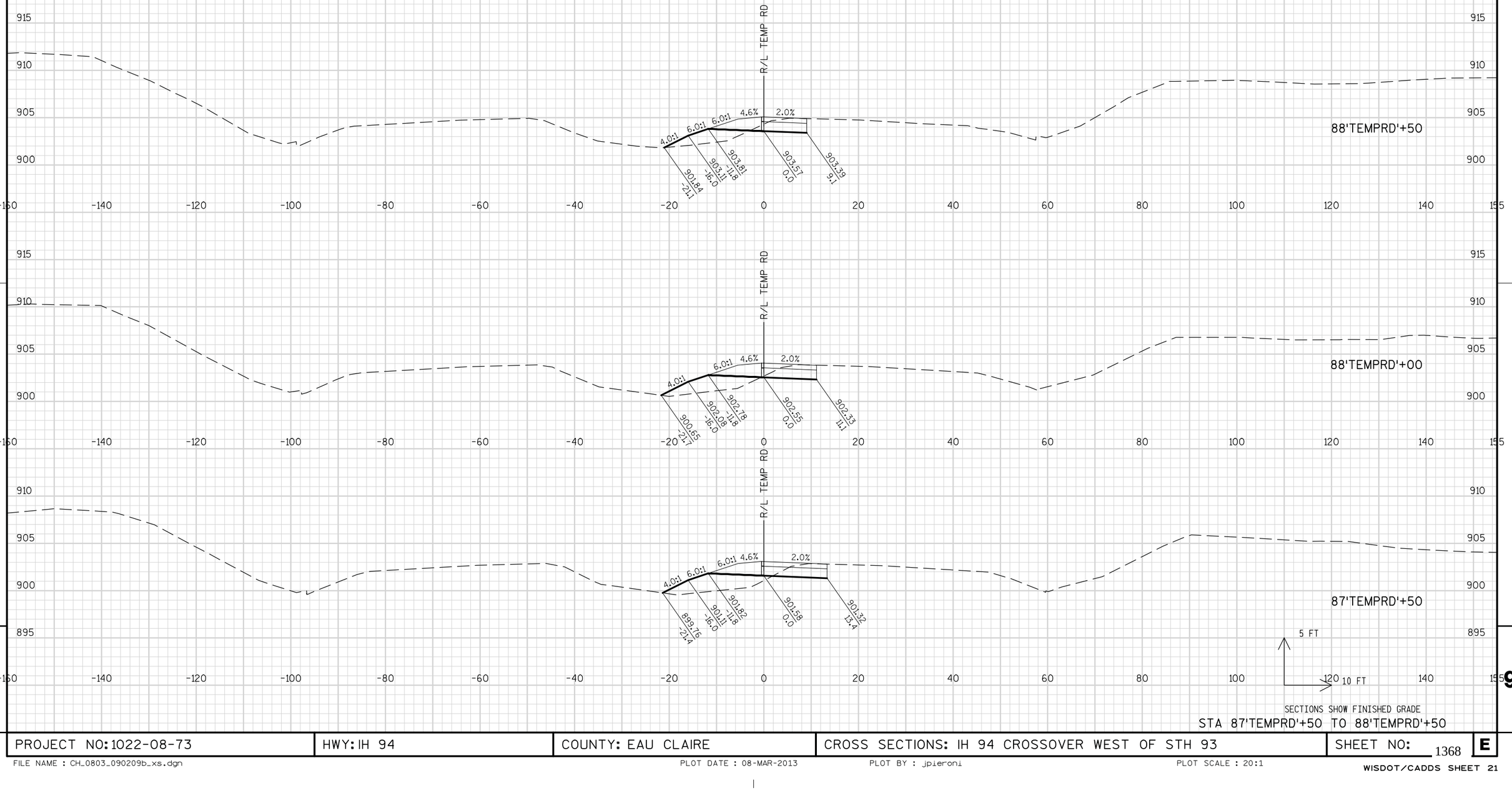
STA 86'TEMPRD'+34 TO 87'TEMPRD'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 CROSSOVER WEST OF STH 93	SHEET NO: 1367	E

FILE NAME : CH_0803_090209b_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 1



SECTIONS SHOW FINISHED GRADE

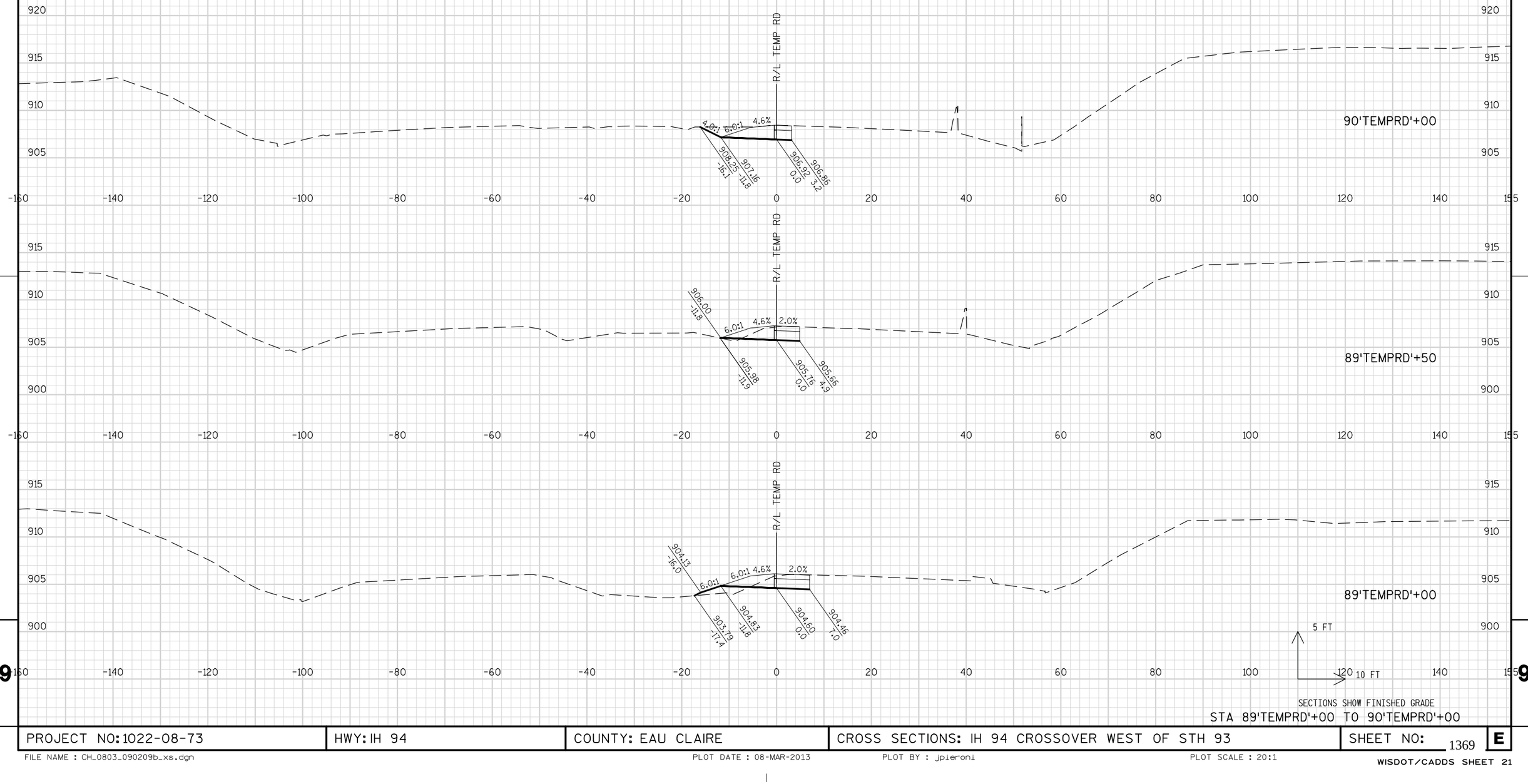
STA 87'TEMPRD'+50 TO 88'TEMPRD'+50

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 CROSSOVER WEST OF STH 93	SHEET NO: 1368 E

FILE NAME : CH_0803_090209b_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 1



SECTIONS SHOW FINISHED GRADE

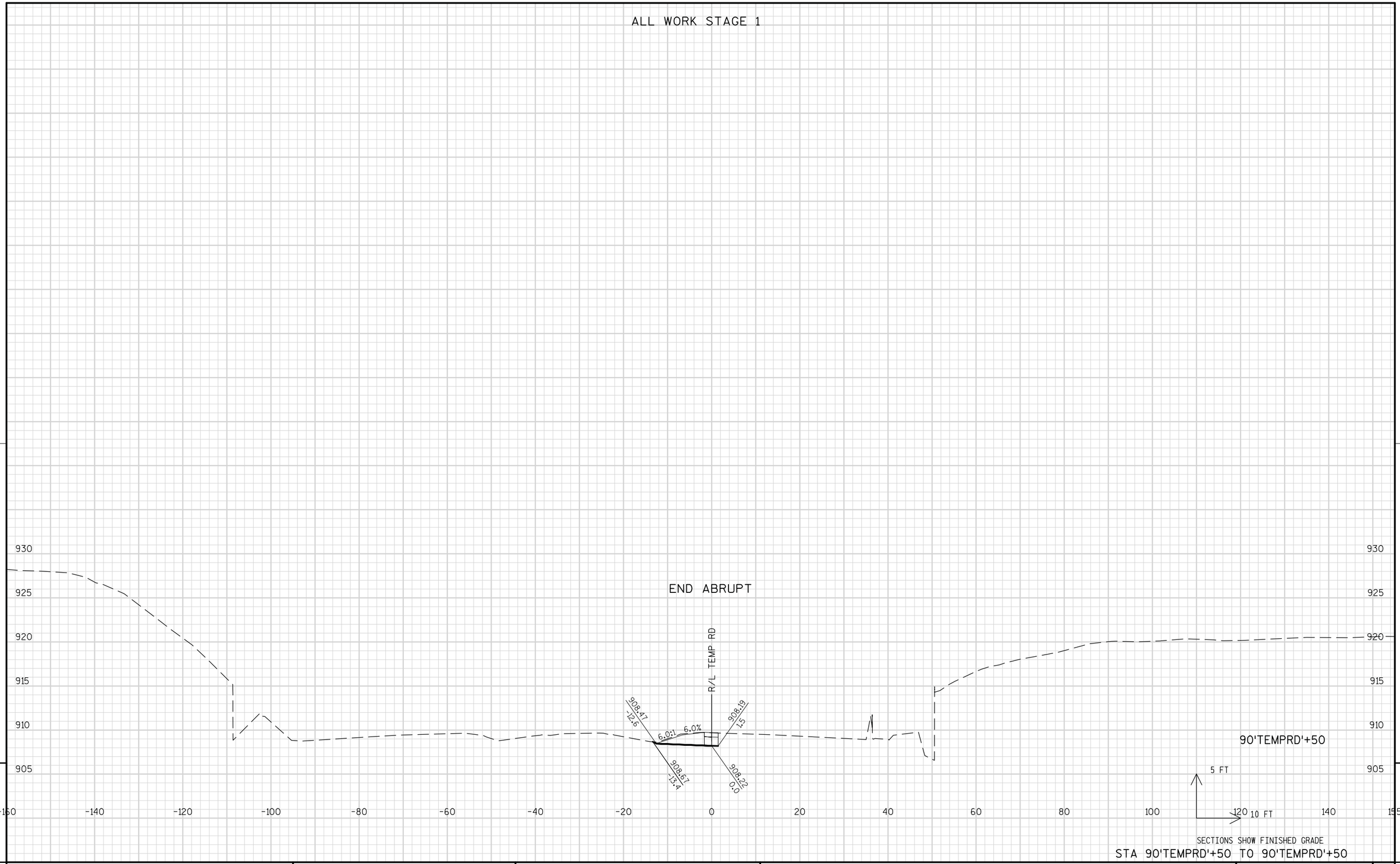
STA 89'TEMPRD'+00 TO 90'TEMPRD'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 CROSSOVER WEST OF STH 93	SHEET NO: 1369	E

FILE NAME : CH_0803_090209b_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 1



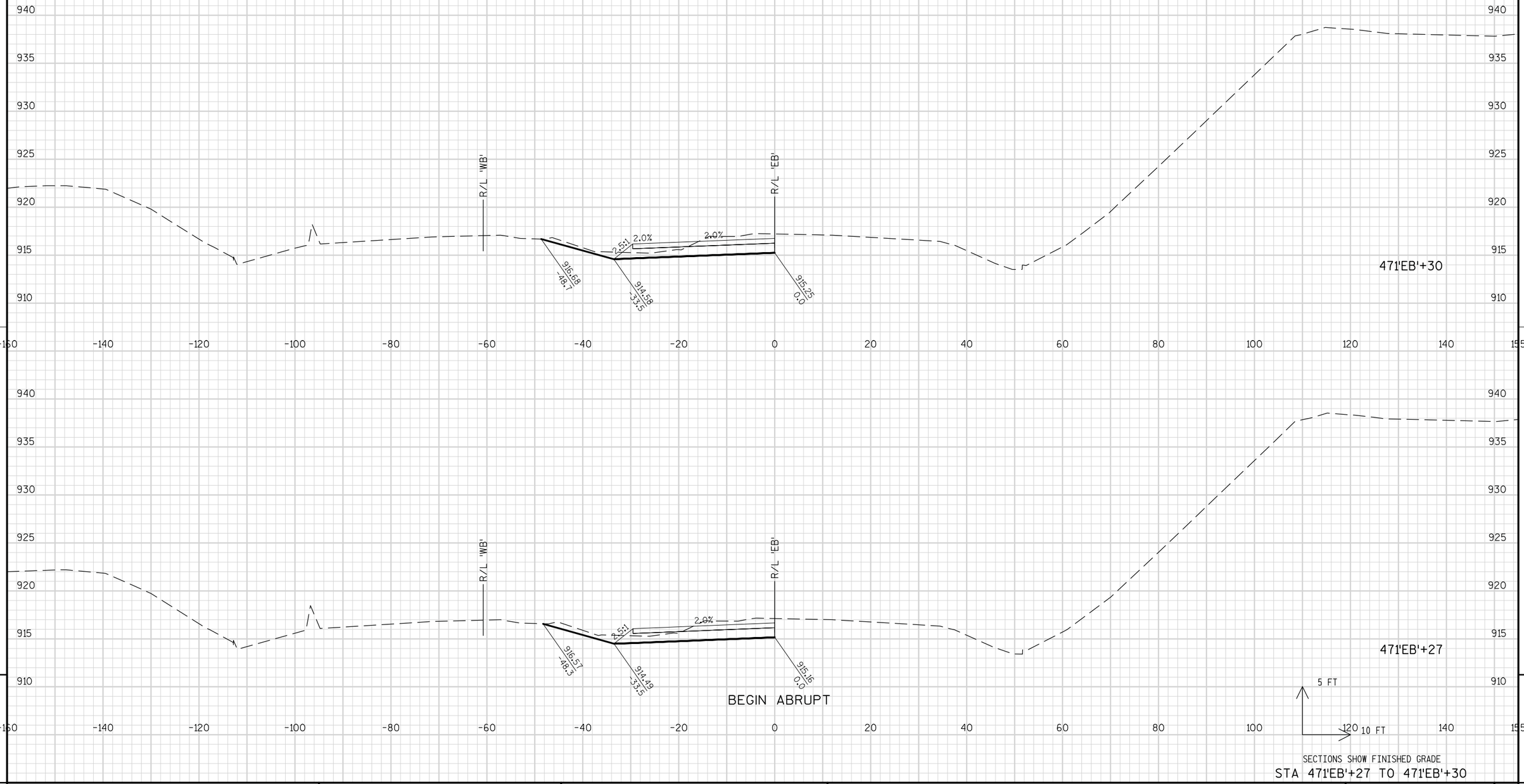
STA 90'TEMPRD'+50 TO 90'TEMPRD'+50

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 CROSSOVER WEST OF STH 93	SHEET NO: 1370 E

FILE NAME : CH_0803_090209b_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 3

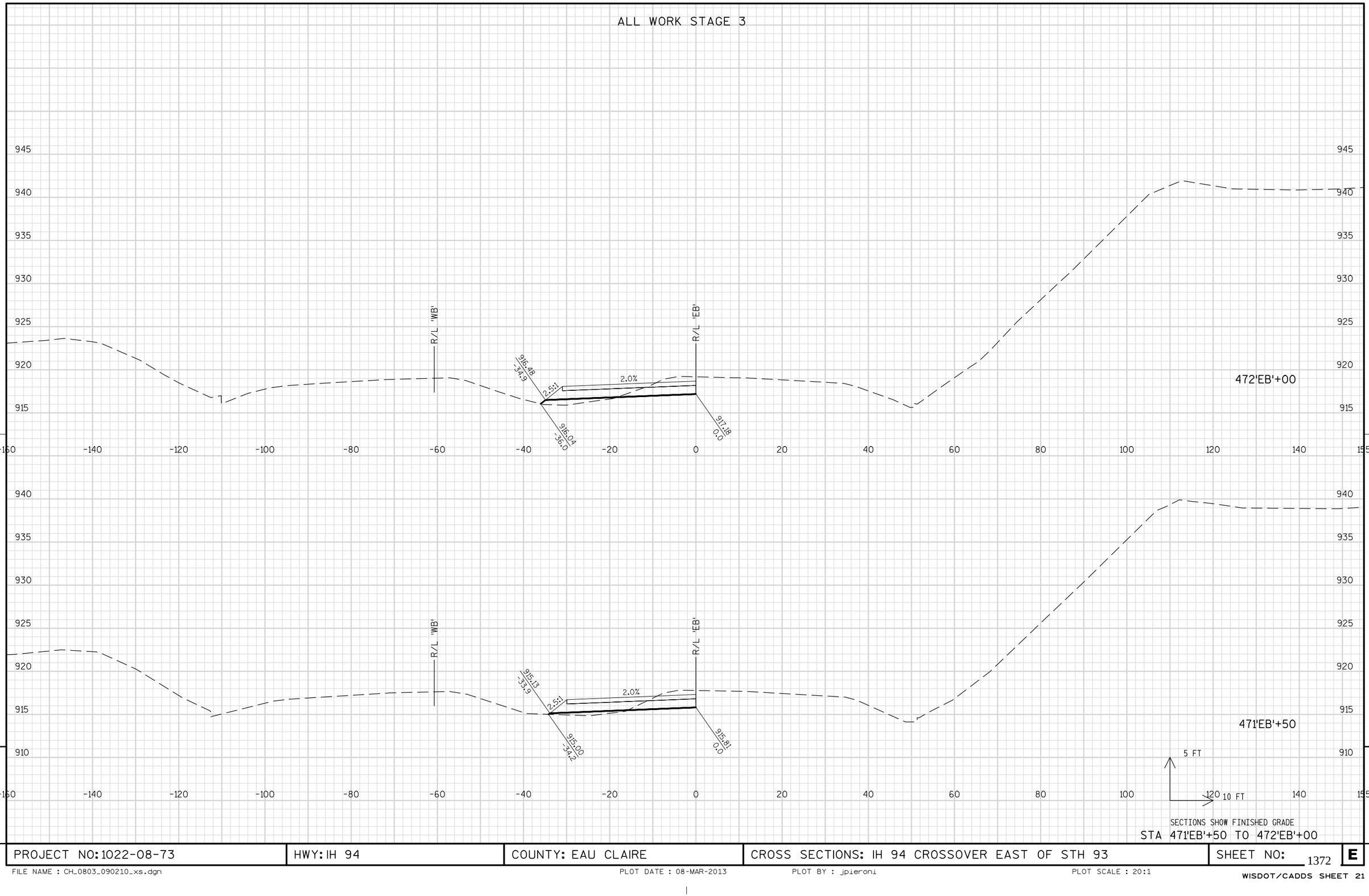


SECTIONS SHOW FINISHED GRADE

STA 471'EB'+27 TO 471'EB'+30

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 CROSSOVER EAST OF STH 93	SHEET NO: 1371 E

ALL WORK STAGE 3



SECTIONS SHOW FINISHED GRADE

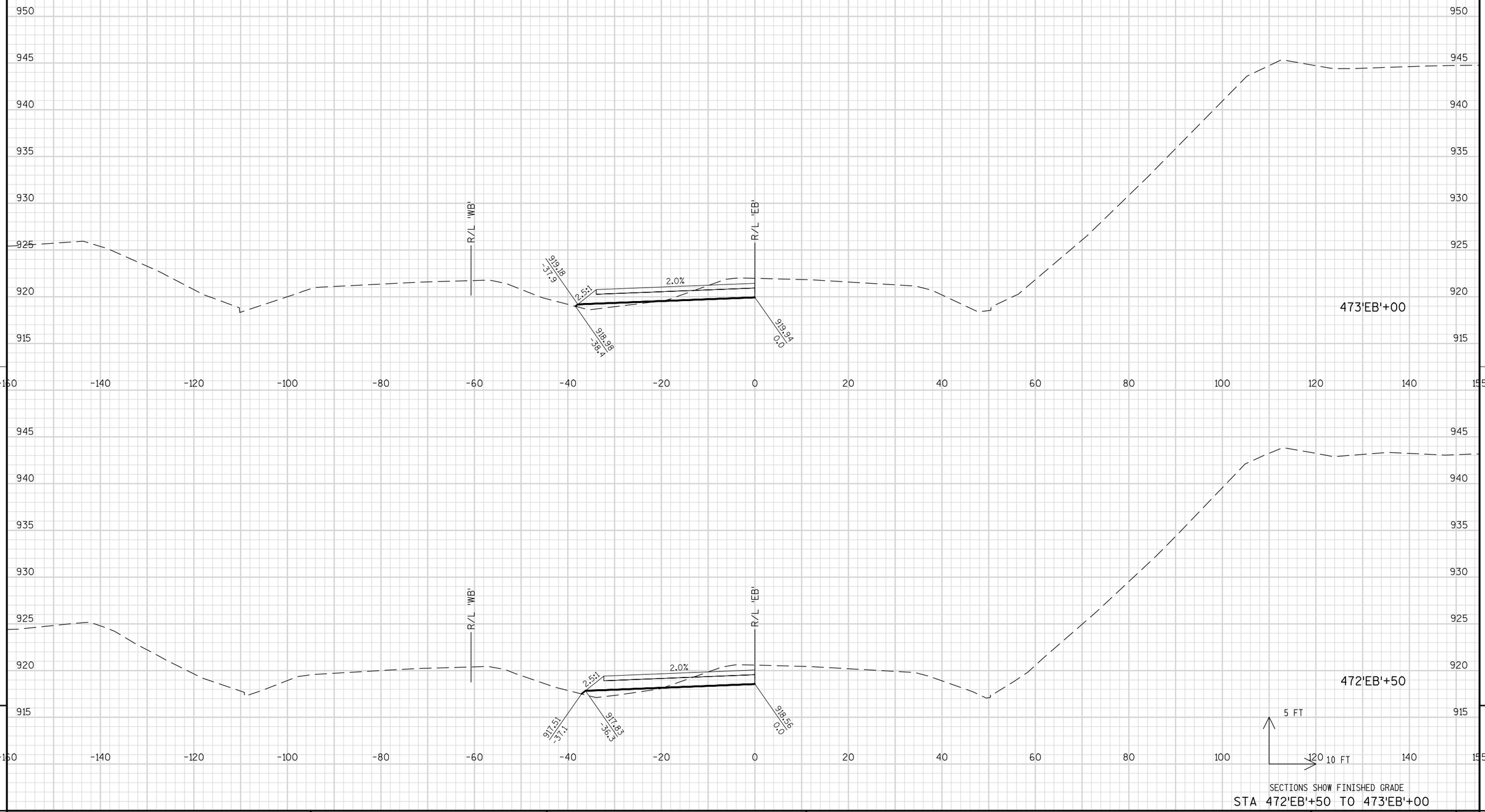
STA 471'EB'+50 TO 472'EB'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 CROSSOVER EAST OF STH 93	SHEET NO: 1372 E

FILE NAME : CH_0803_090210_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 3



SECTIONS SHOW FINISHED GRADE

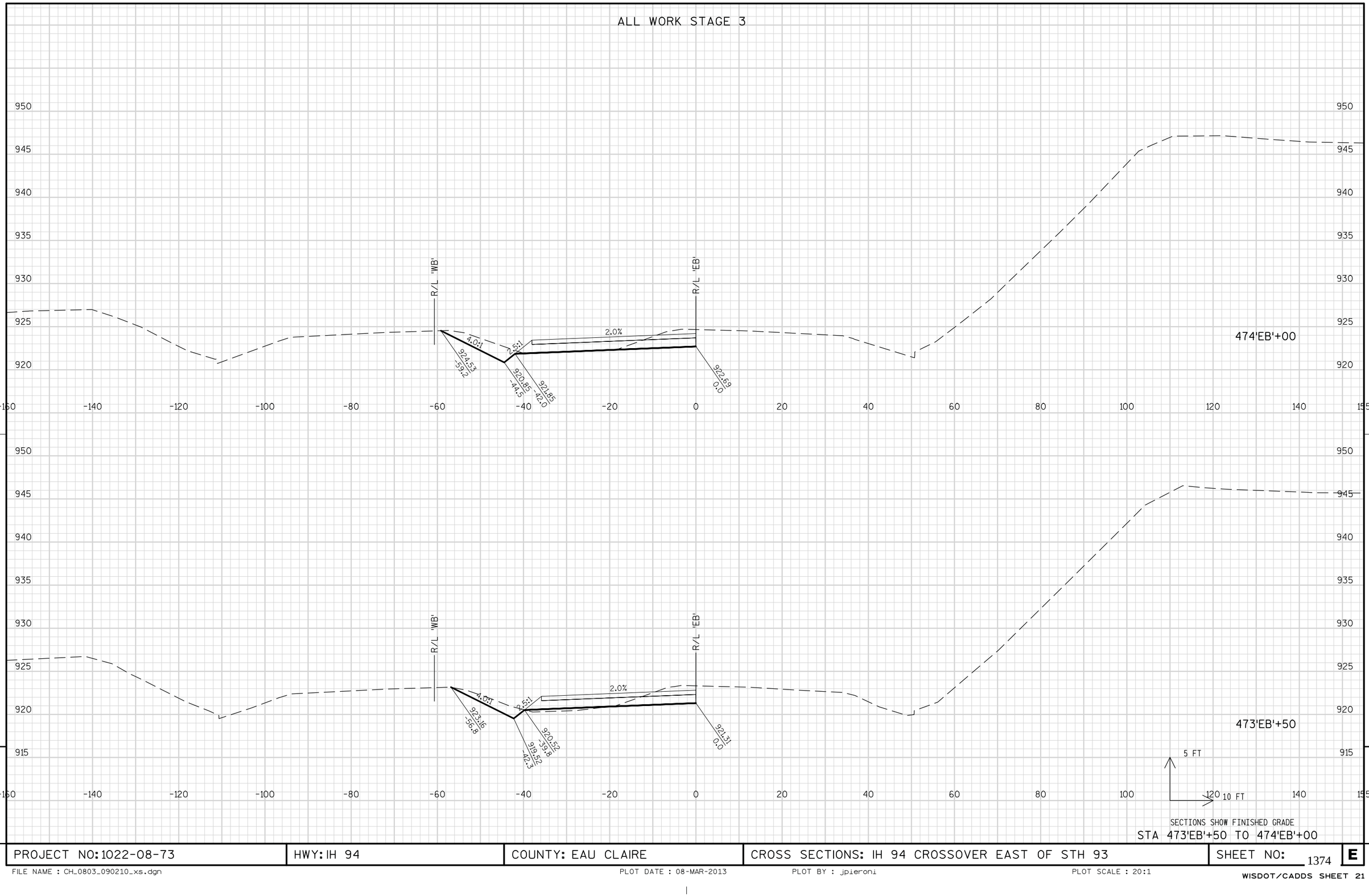
STA 472'EB'+50 TO 473'EB'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 CROSSOVER EAST OF STH 93	SHEET NO: 1373 E

FILE NAME : CH_0803_090210_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 3



SECTIONS SHOW FINISHED GRADE

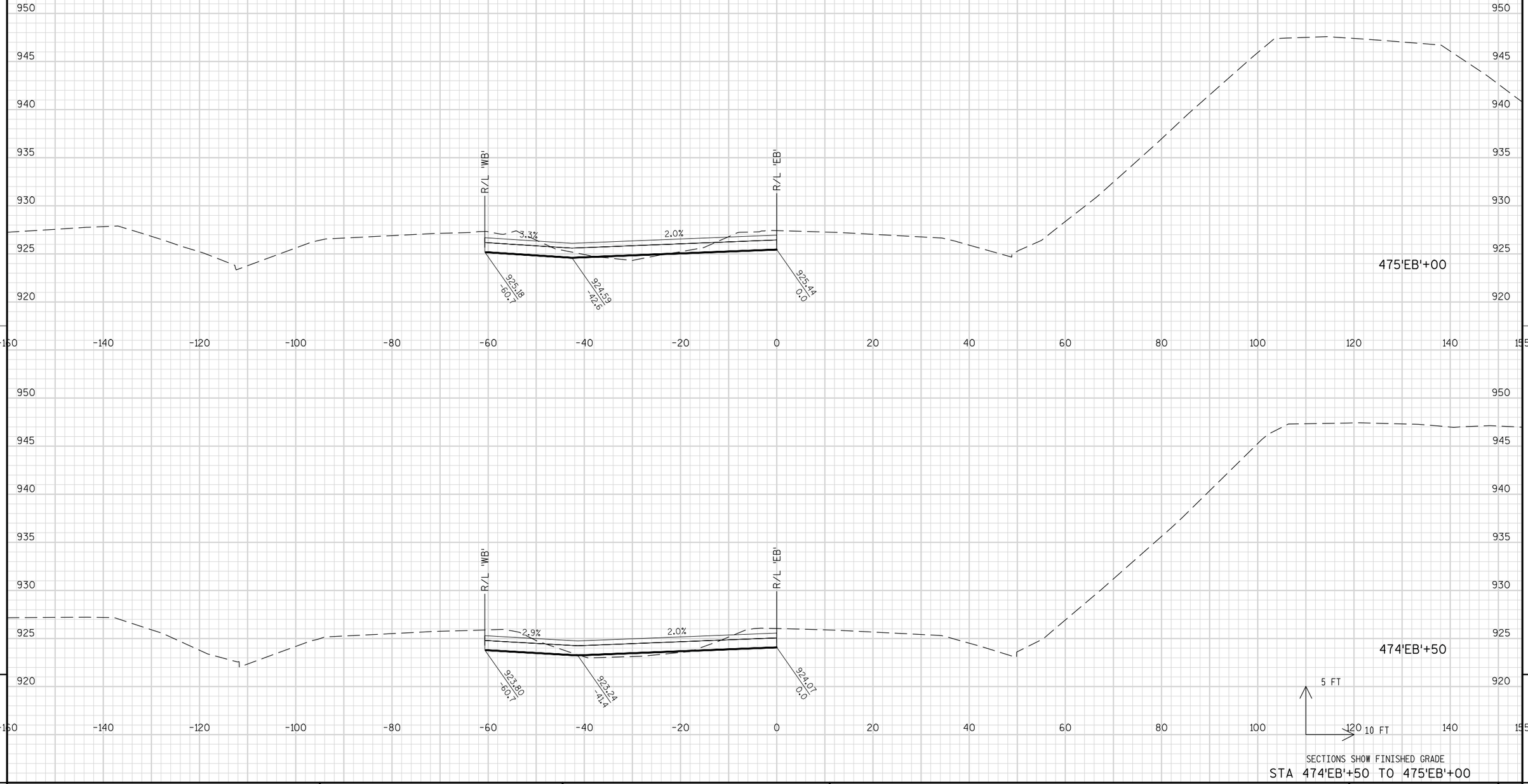
STA 473'EB'+50 TO 474'EB'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 CROSSOVER EAST OF STH 93	SHEET NO: 1374 E

FILE NAME : CH_0803_090210_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 3



SECTIONS SHOW FINISHED GRADE

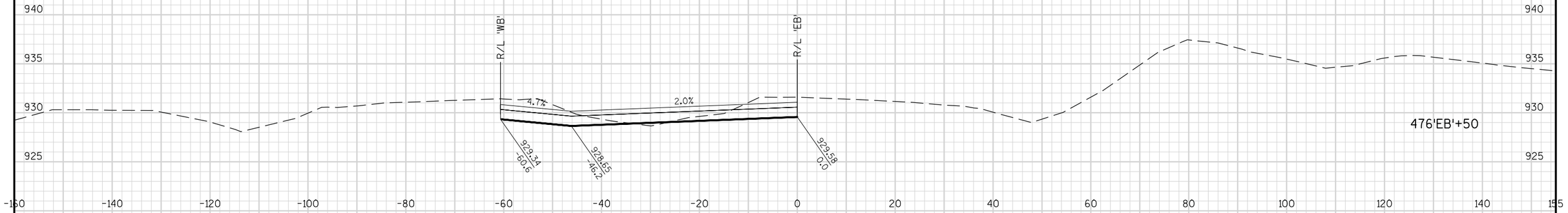
STA 474'EB'+50 TO 475'EB'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 CROSSOVER EAST OF STH 93	SHEET NO: 1375 E

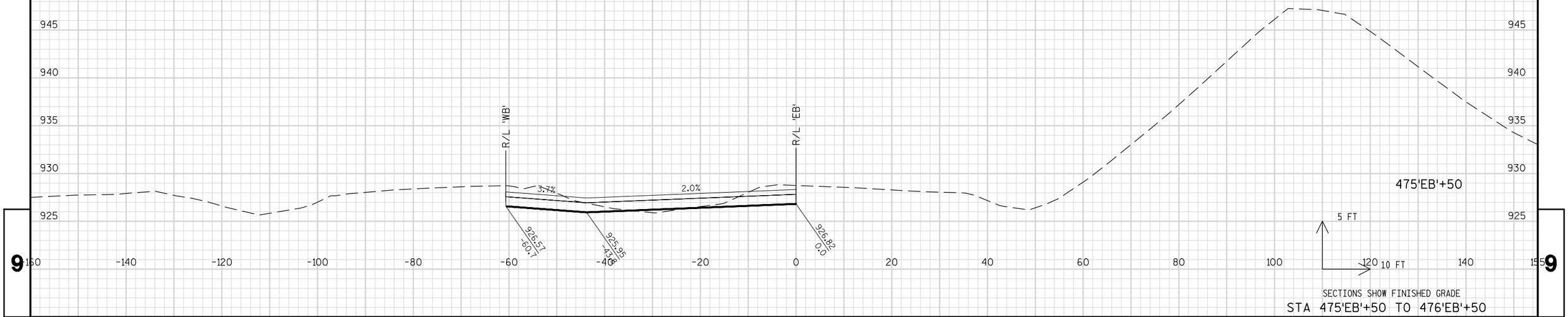
FILE NAME : CH_0803_090210_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 3





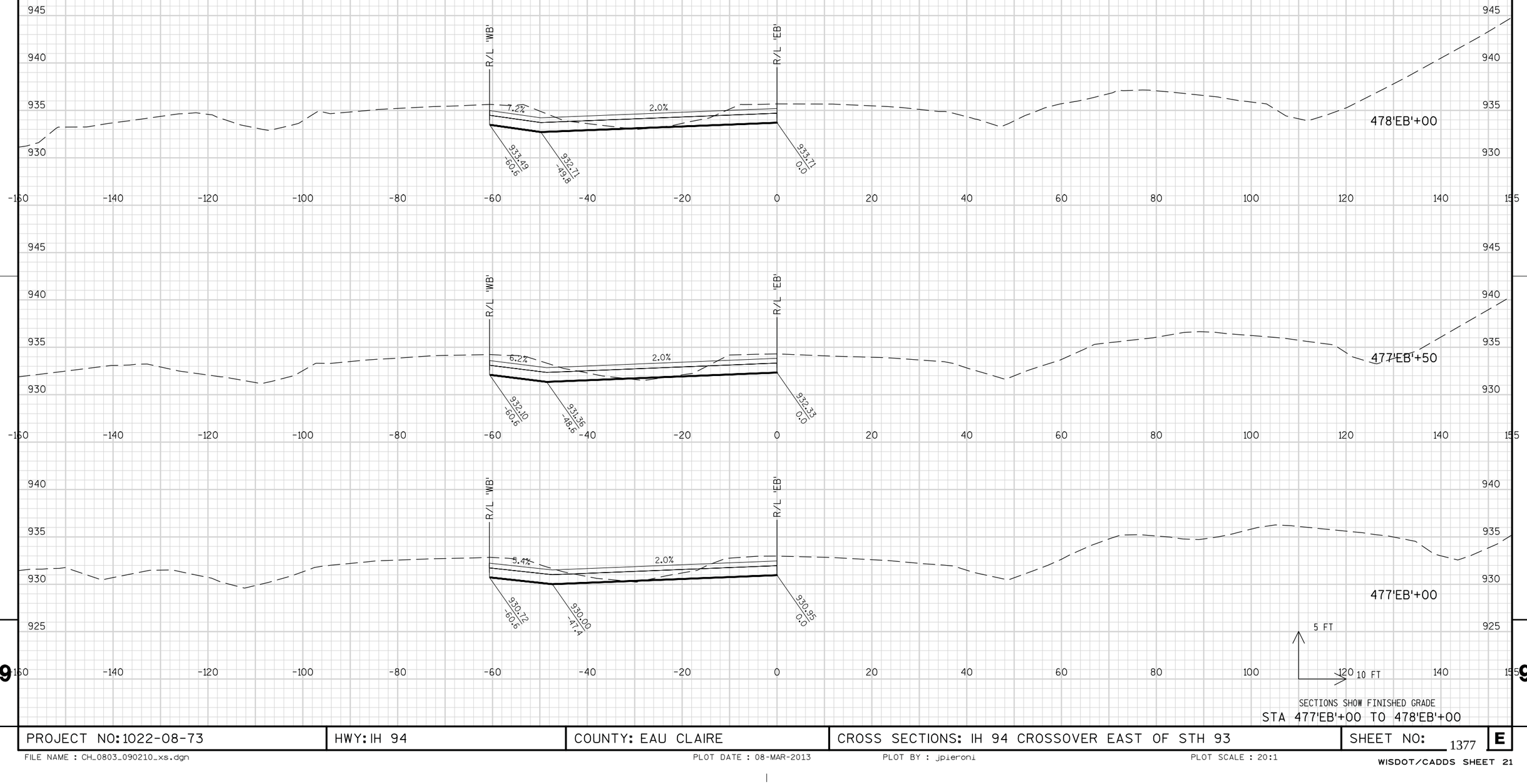


SECTIONS SHOW FINISHED GRADE

STA 475'EB'+50 TO 476'EB'+50

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 CROSSOVER EAST OF STH 93	SHEET NO: 1376 E

ALL WORK STAGE 3



SECTIONS SHOW FINISHED GRADE

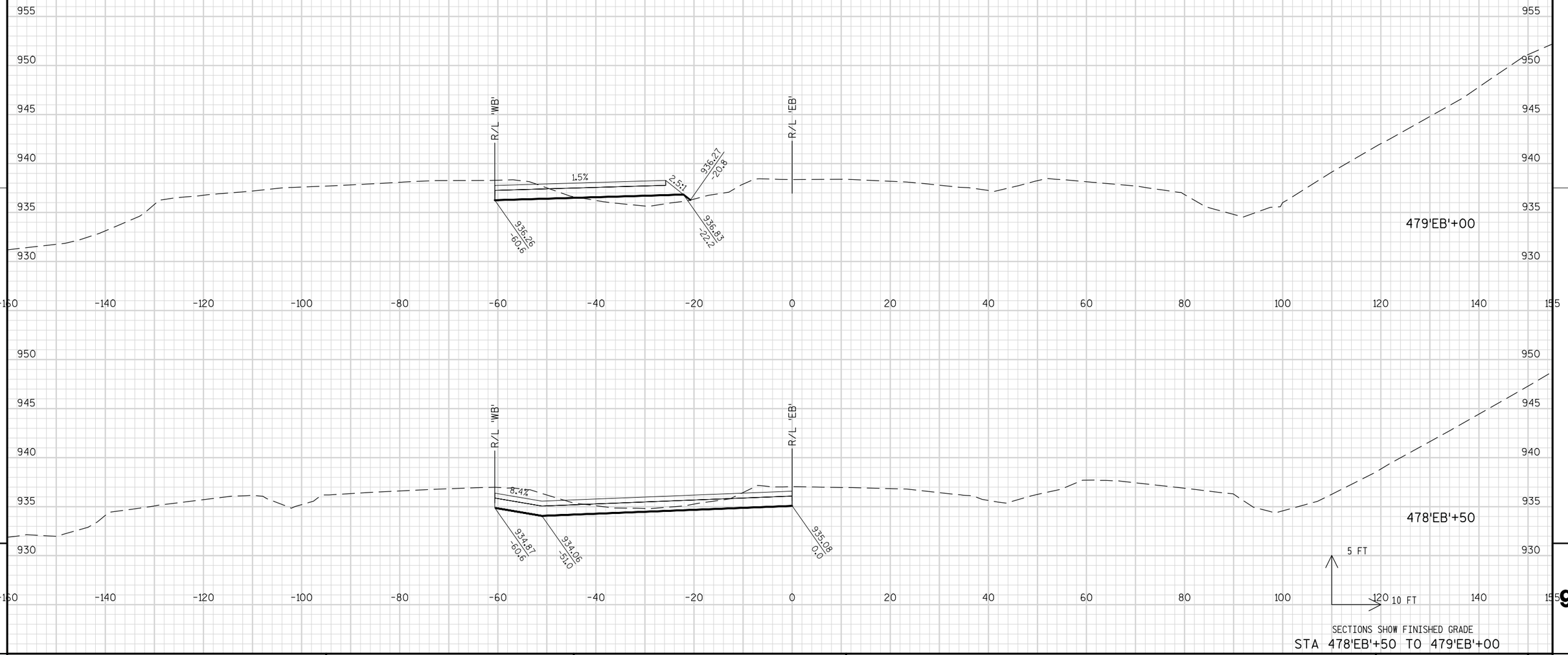
STA 477'EB'+00 TO 478'EB'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 CROSSOVER EAST OF STH 93	SHEET NO: 1377	E

FILE NAME : CH_0803_090210_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 3



SECTIONS SHOW FINISHED GRADE

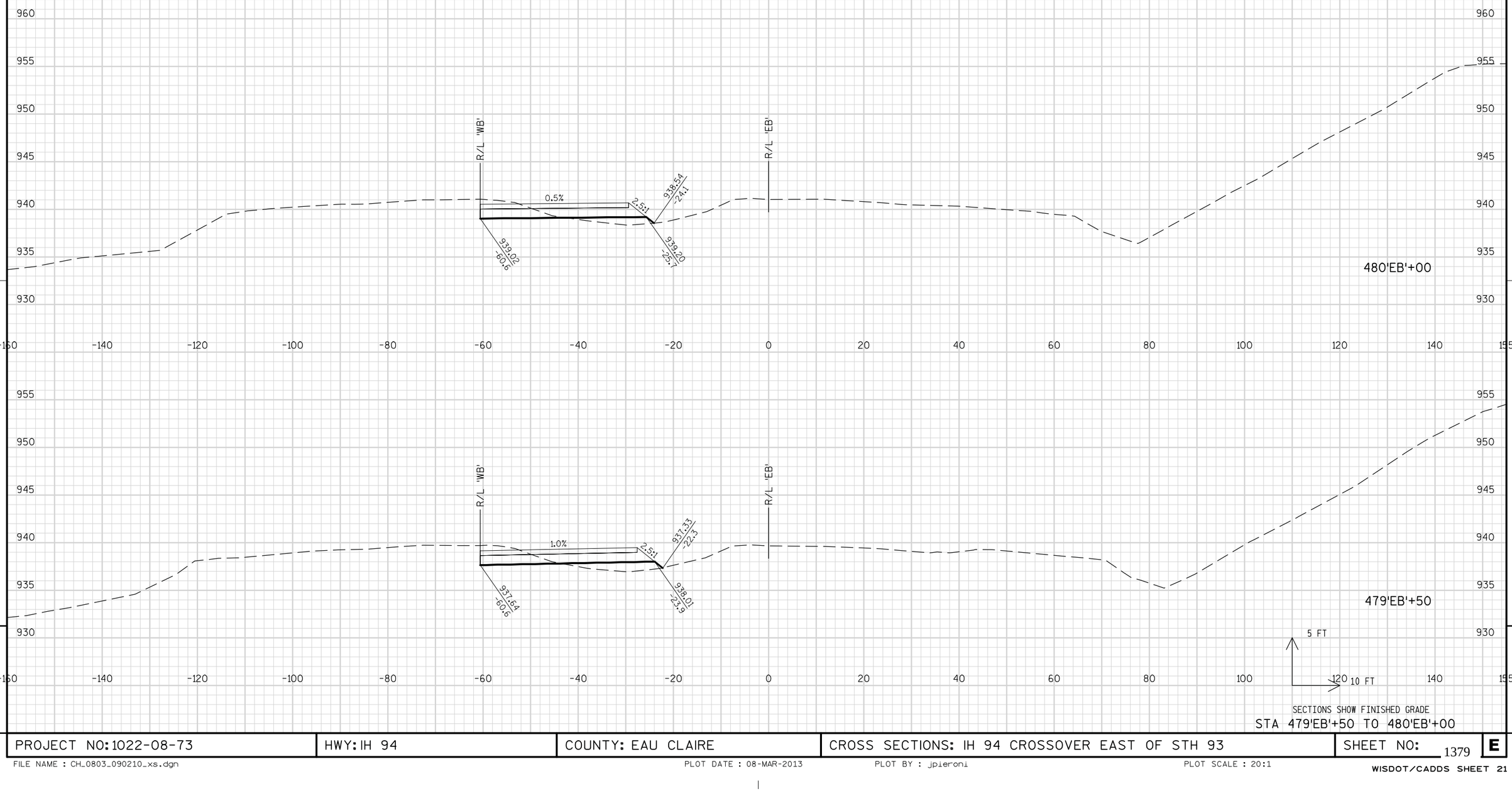
STA 478'EB'+50 TO 479'EB'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 CROSSOVER EAST OF STH 93	SHEET NO: 1378 E

FILE NAME : CH_0803_090210_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 3



SECTIONS SHOW FINISHED GRADE

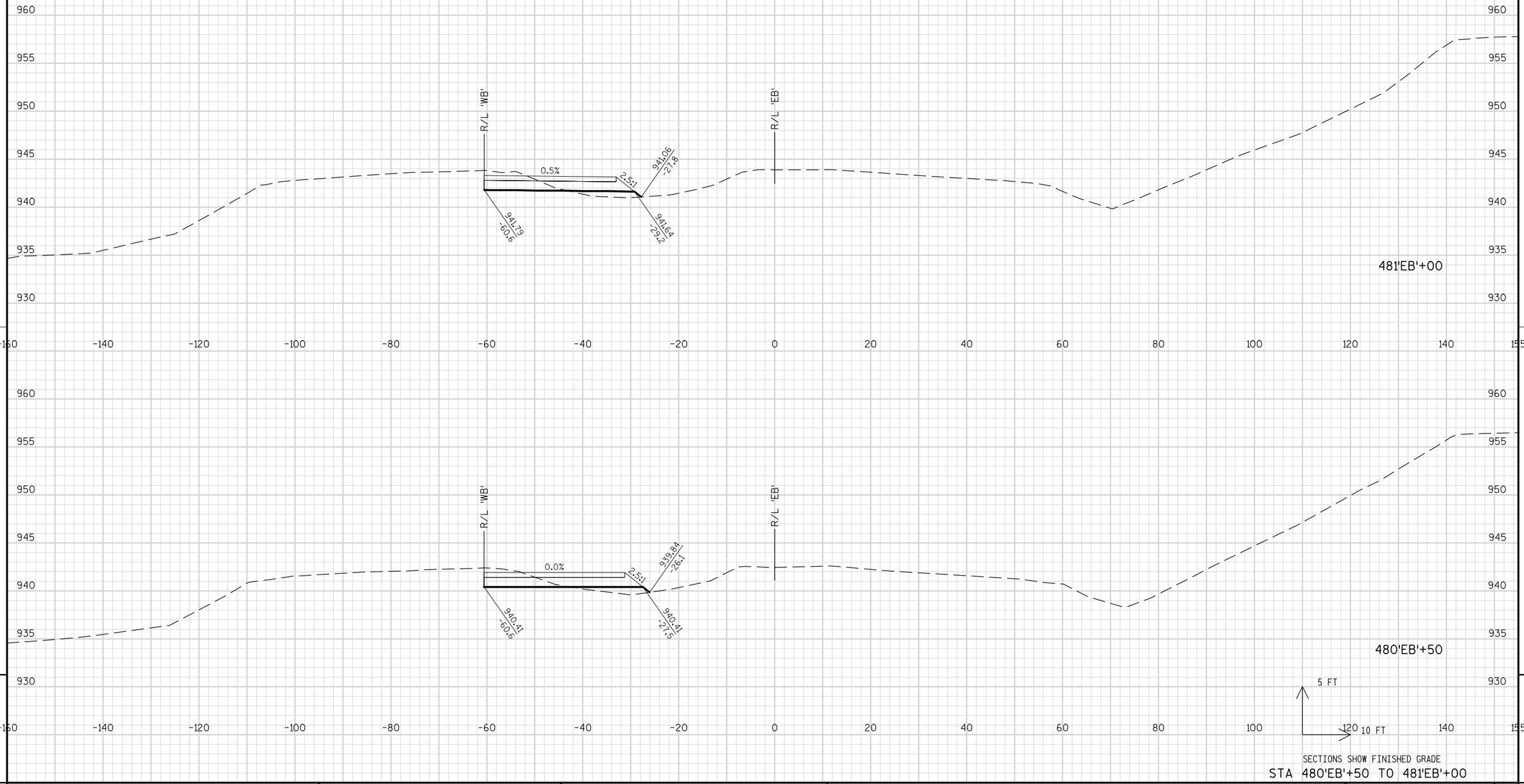
STA 479'EB'+50 TO 480'EB'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 CROSSOVER EAST OF STH 93	SHEET NO: 1379 E

FILE NAME : CH_0803_090210_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 3



SECTIONS SHOW FINISHED GRADE

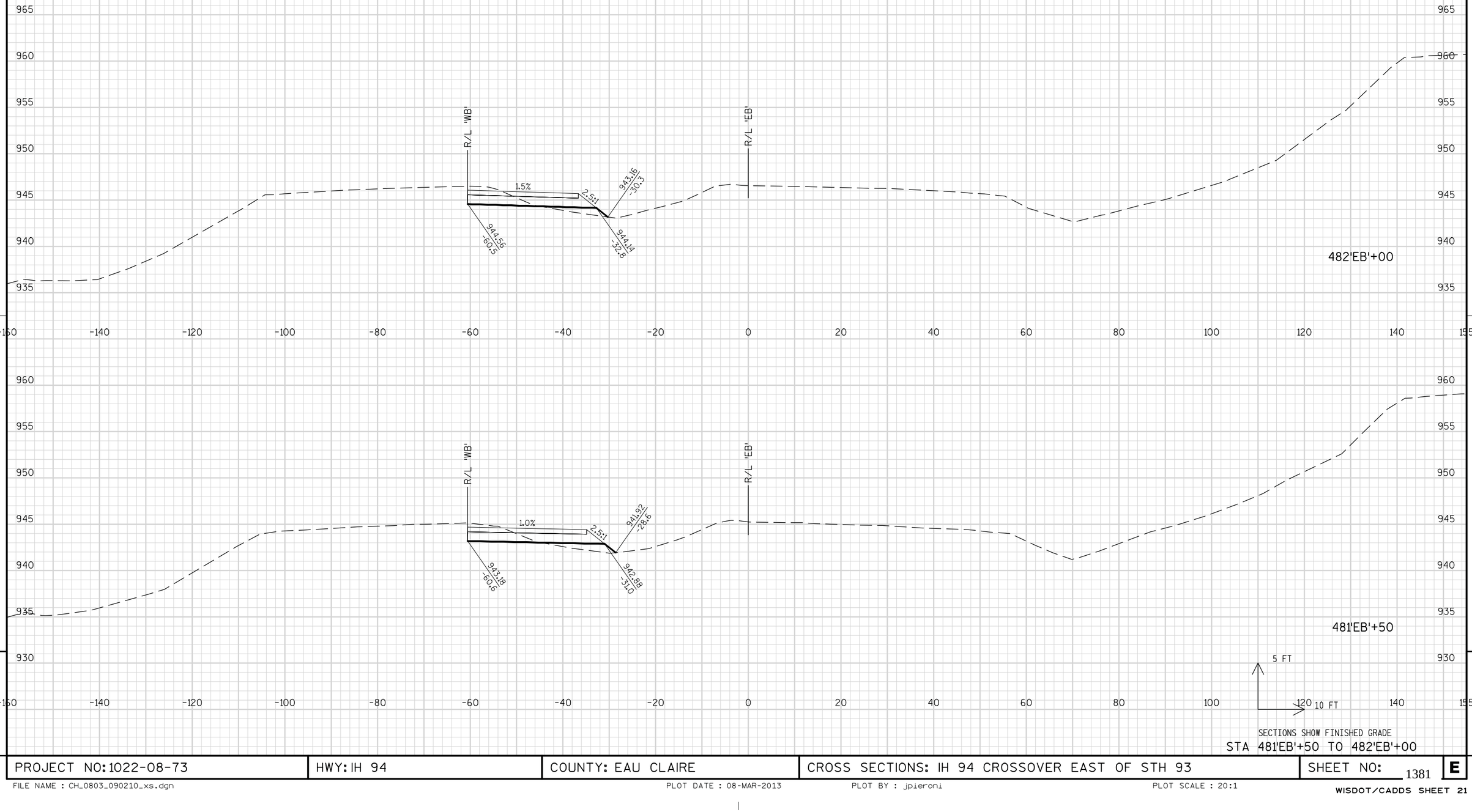
STA 480'EB'+50 TO 481'EB'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 CROSSOVER EAST OF STH 93	SHEET NO: 1380 E

FILE NAME : CH_0803_090210_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 3

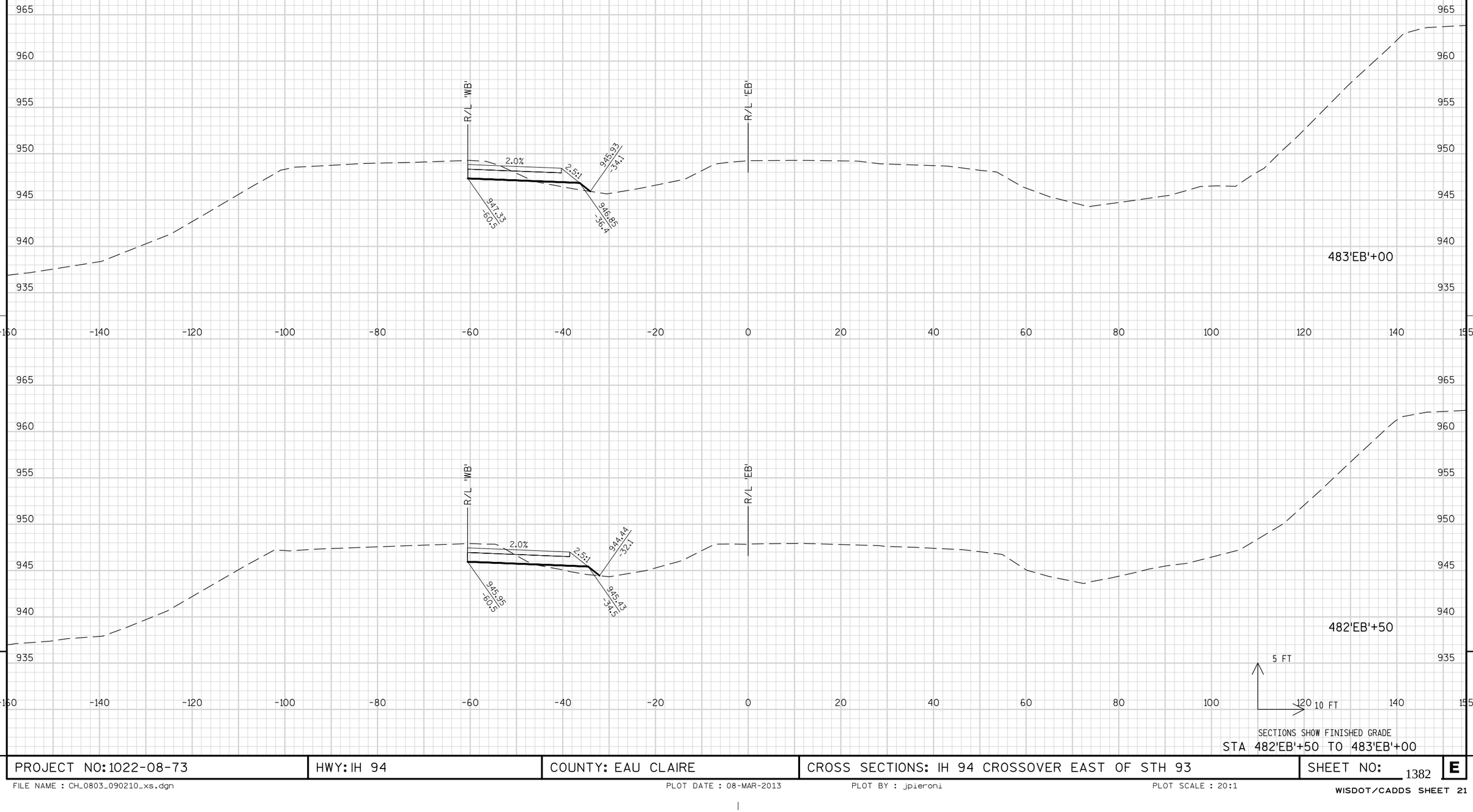


PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 CROSSOVER EAST OF STH 93	SHEET NO: 1381 E

FILE NAME : CH_0803_090210_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 3



SECTIONS SHOW FINISHED GRADE

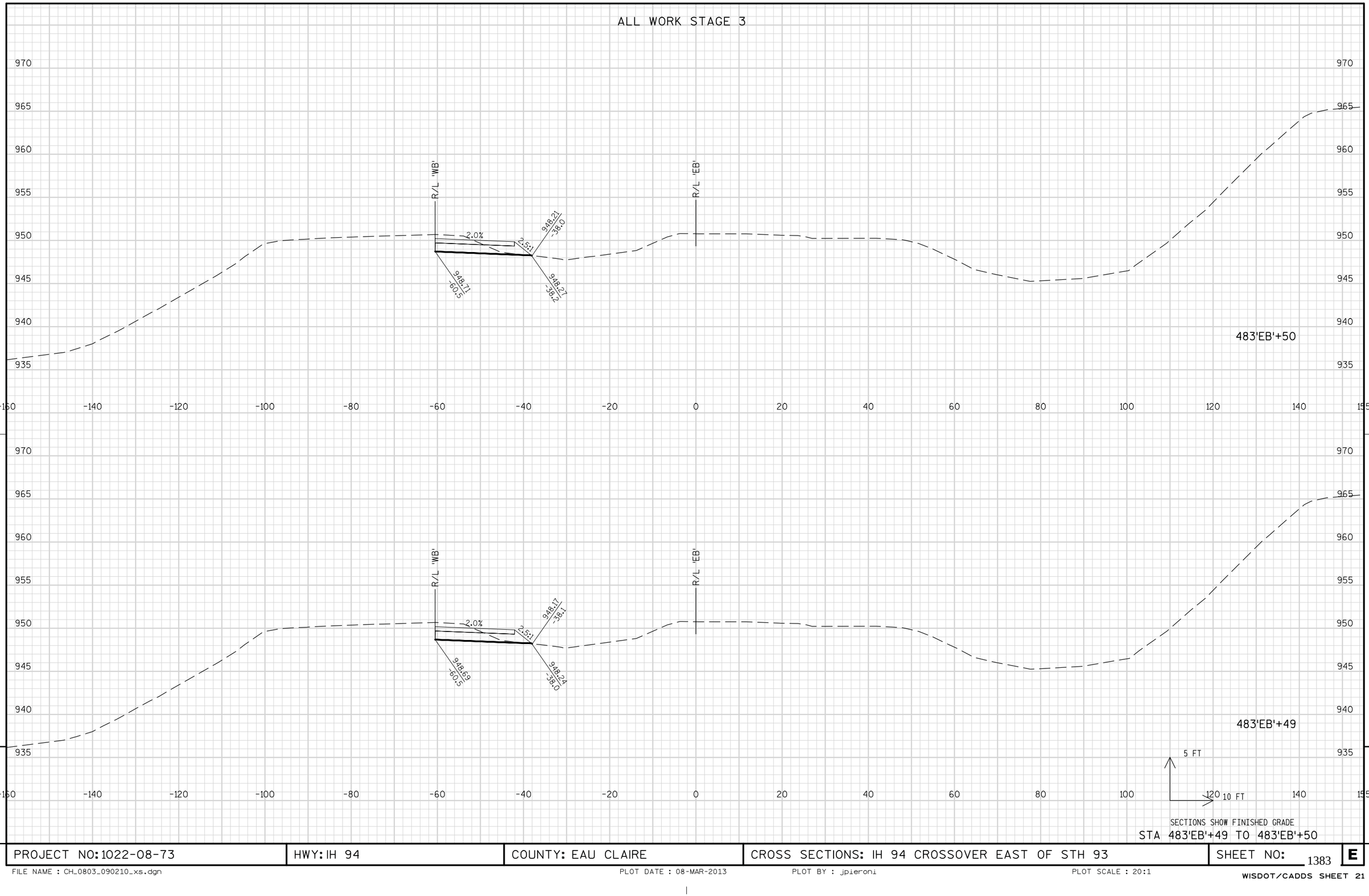
STA 482'EB'+50 TO 483'EB'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 CROSSOVER EAST OF STH 93	SHEET NO: 1382 E

FILE NAME : CH_0803_090210_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 3



SECTIONS SHOW FINISHED GRADE

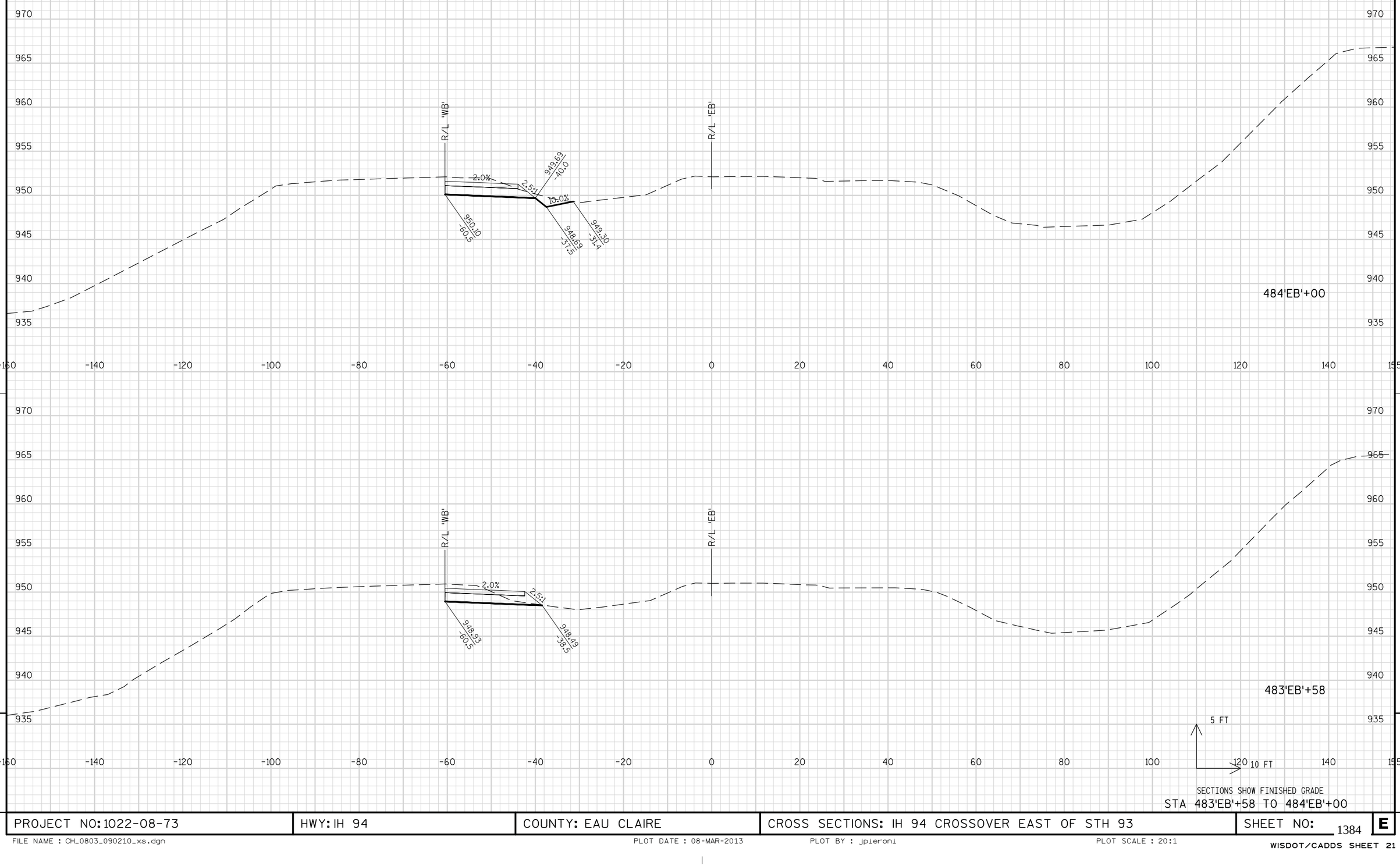
STA 483'EB'+49 TO 483'EB'+50

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 CROSSOVER EAST OF STH 93	SHEET NO: 1383 E

FILE NAME : CH_0803_090210_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 3

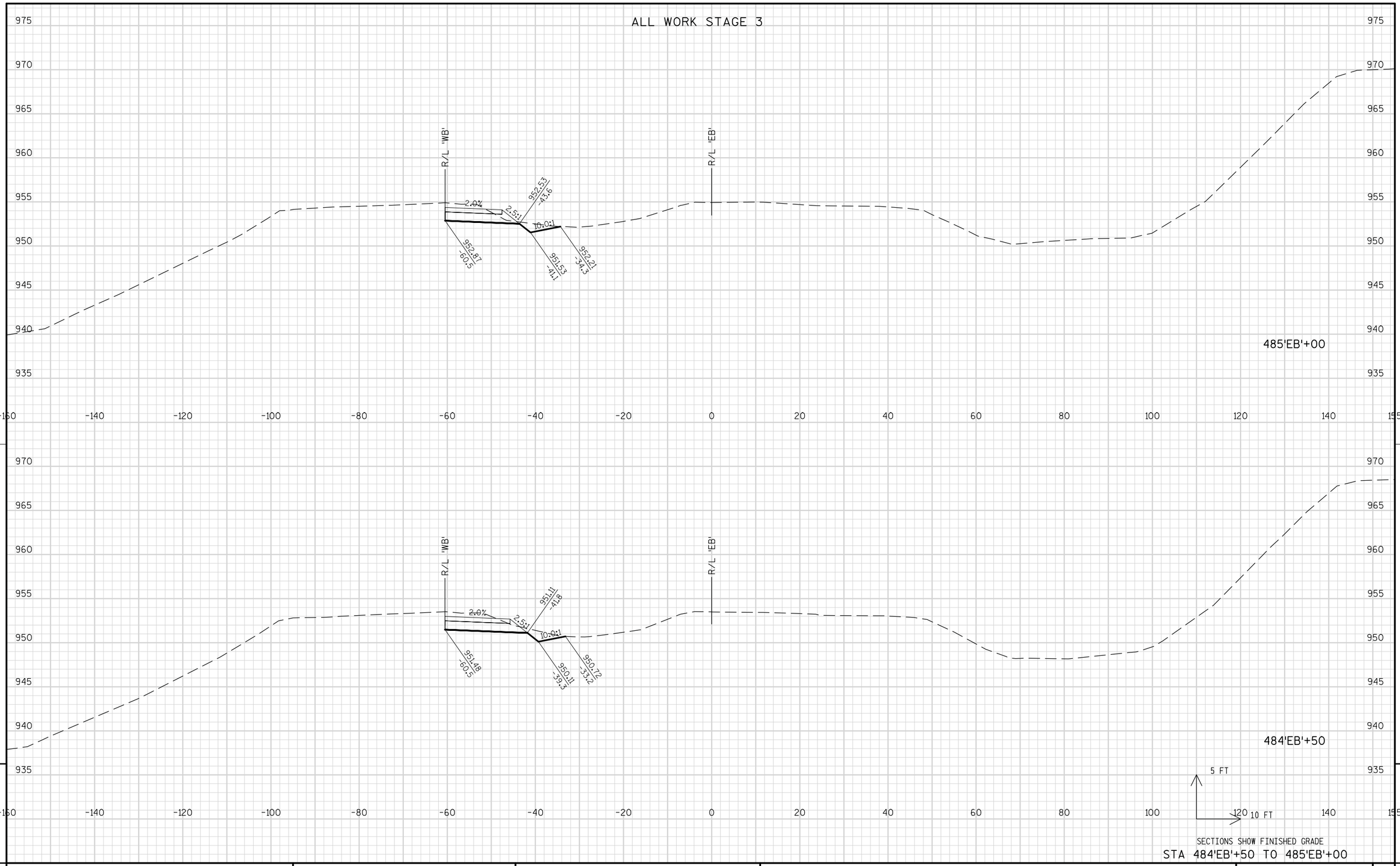


SECTIONS SHOW FINISHED GRADE

STA 483'EB'+58 TO 484'EB'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 CROSSOVER EAST OF STH 93	SHEET NO: 1384 E

ALL WORK STAGE 3

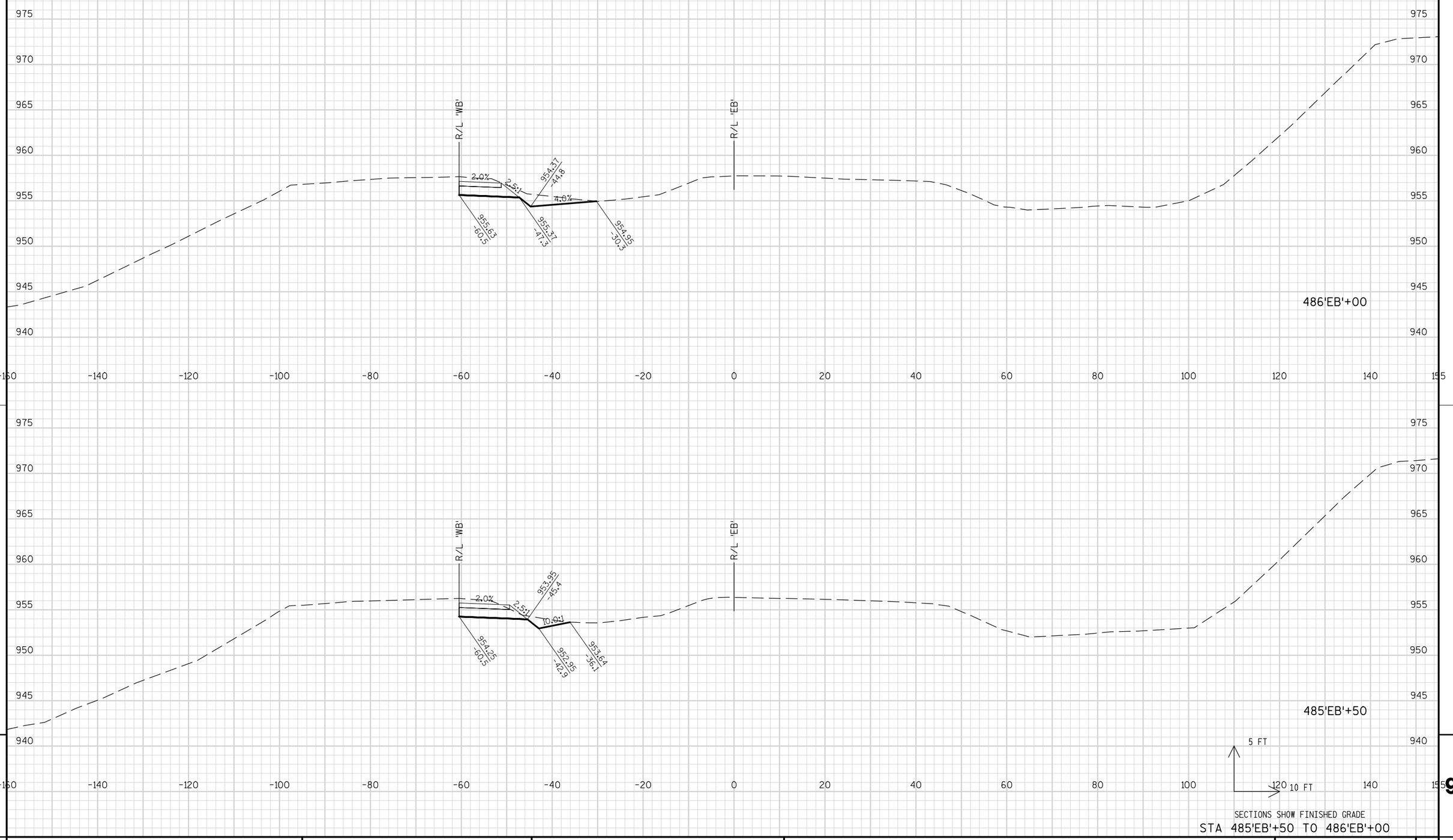


PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 CROSSOVER EAST OF STH 93	SHEET NO: 1385 E

FILE NAME : CH_0803_090210_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 3

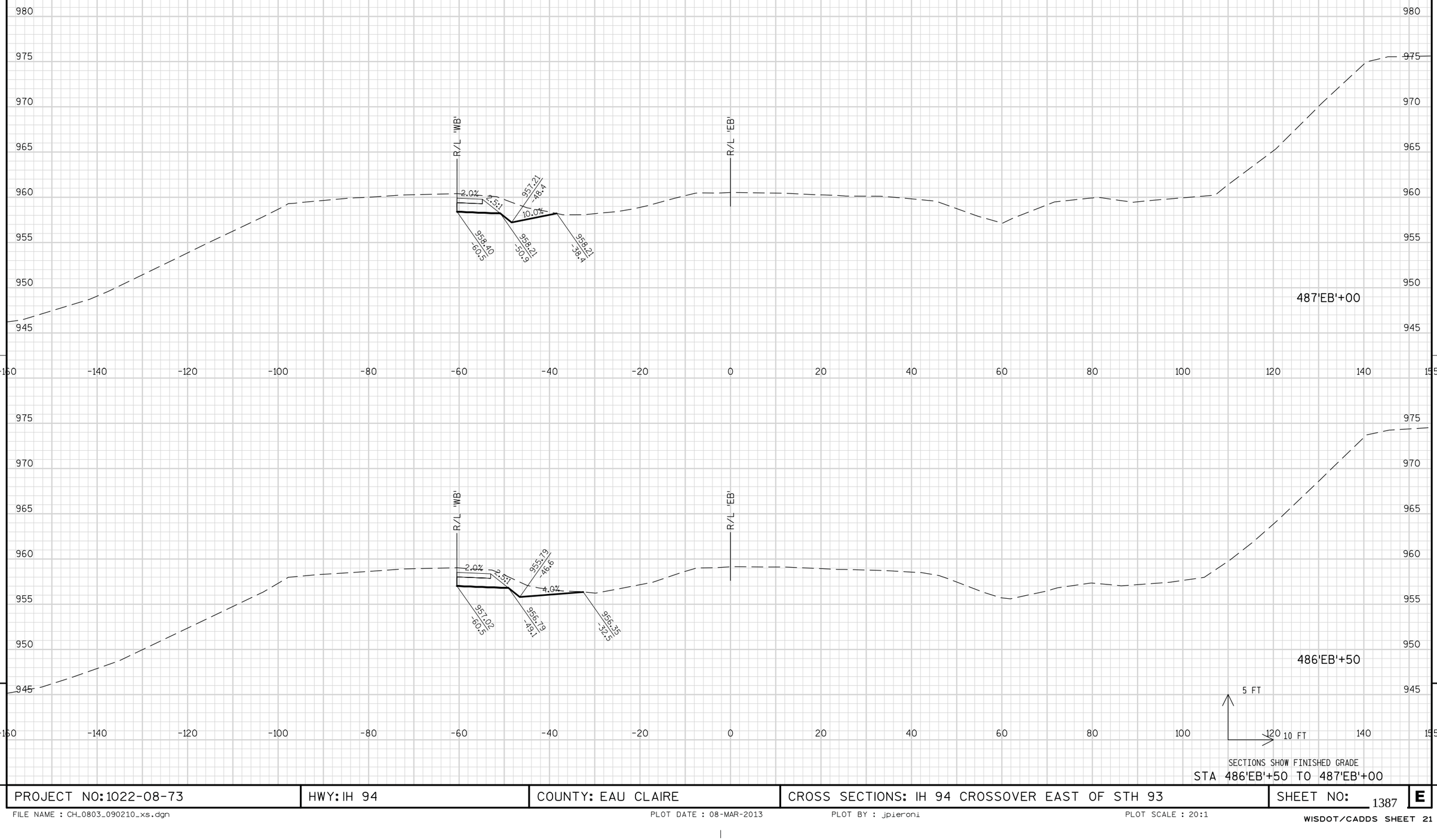


PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 CROSSOVER EAST OF STH 93	SHEET NO: 1386 E

FILE NAME : CH_0803_090210_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 3



SECTIONS SHOW FINISHED GRADE

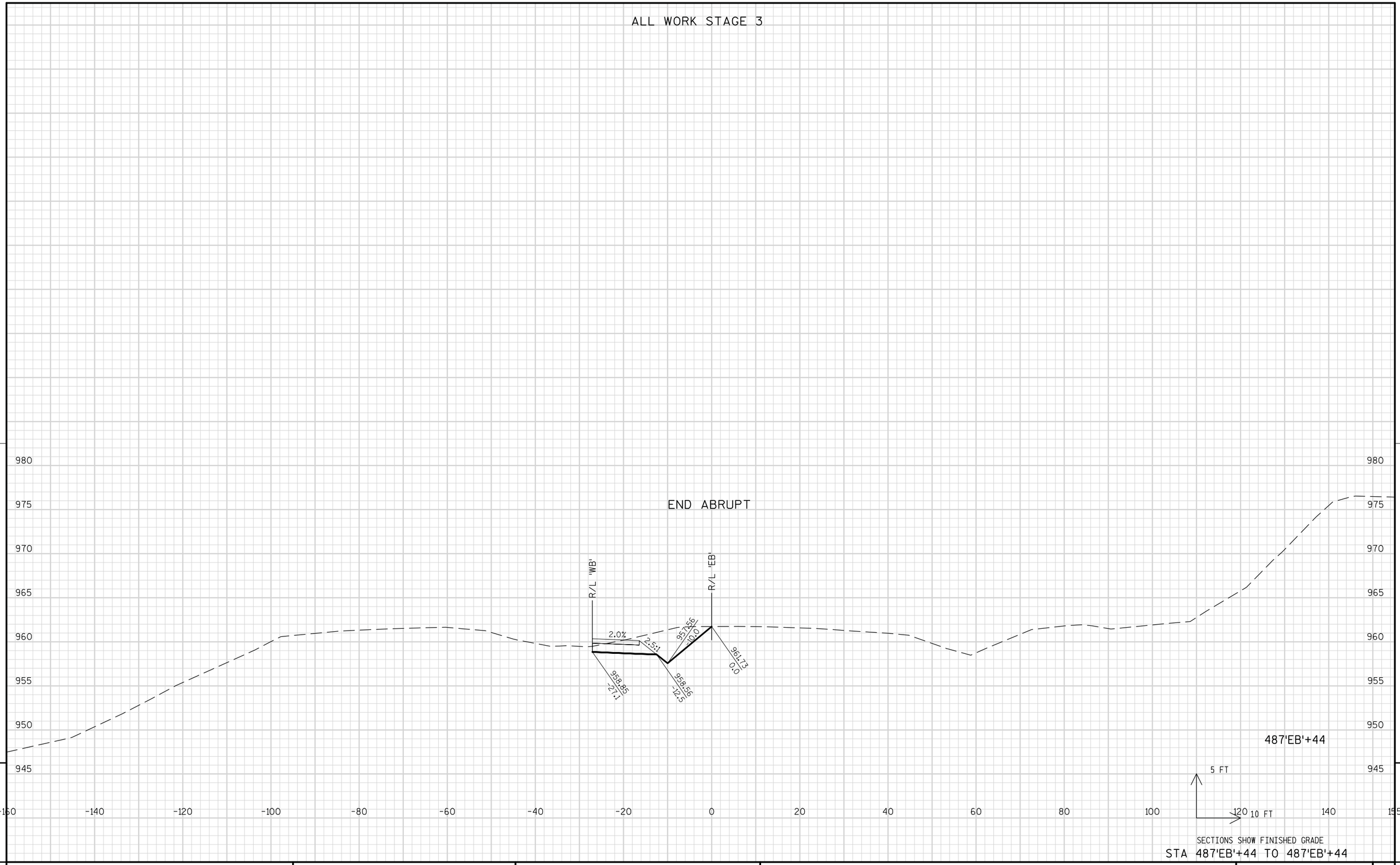
STA 486'EB'+50 TO 487'EB'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 CROSSOVER EAST OF STH 93	SHEET NO: 1387 E

FILE NAME : CH_0803_090210_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

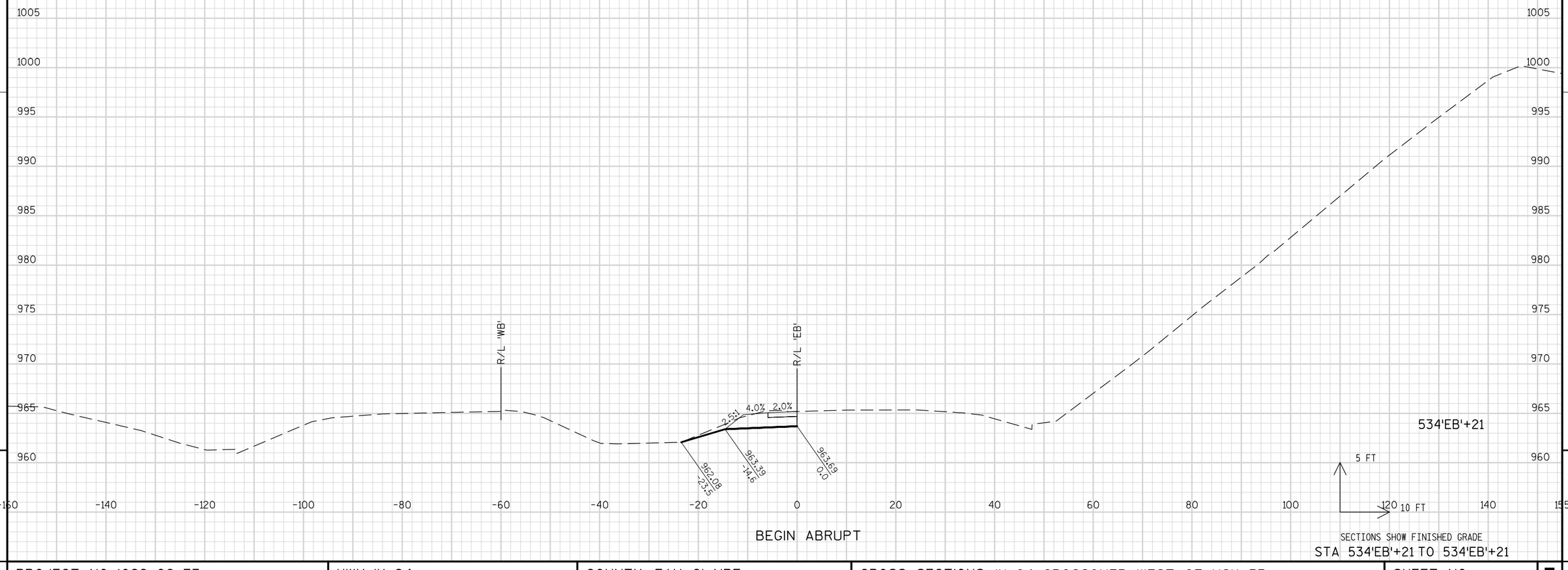
ALL WORK STAGE 3



PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 CROSSOVER EAST OF STH 93	SHEET NO: 1388 E

FILE NAME : CH_0803_090210_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

ALL WORK STAGE 1



SECTIONS SHOW FINISHED GRADE

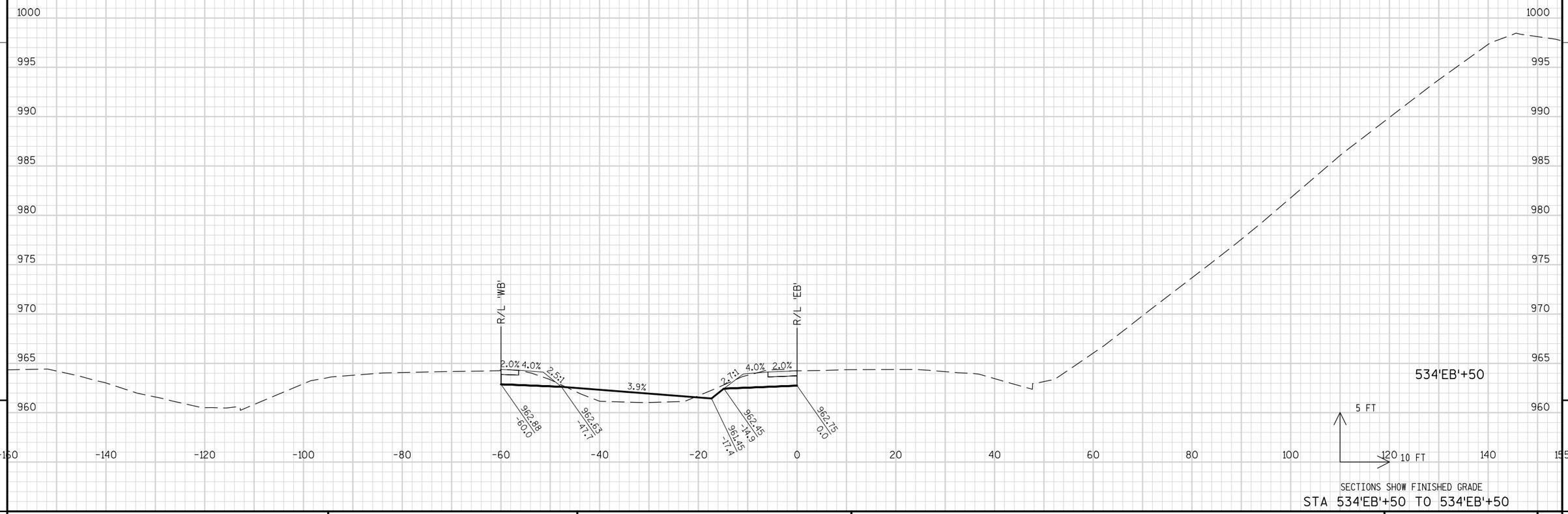
STA 534'EB'+21 TO 534'EB'+21

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 CROSSOVER WEST OF USH 53	SHEET NO: 1389 E

FILE NAME : CH_0803_090211_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 1

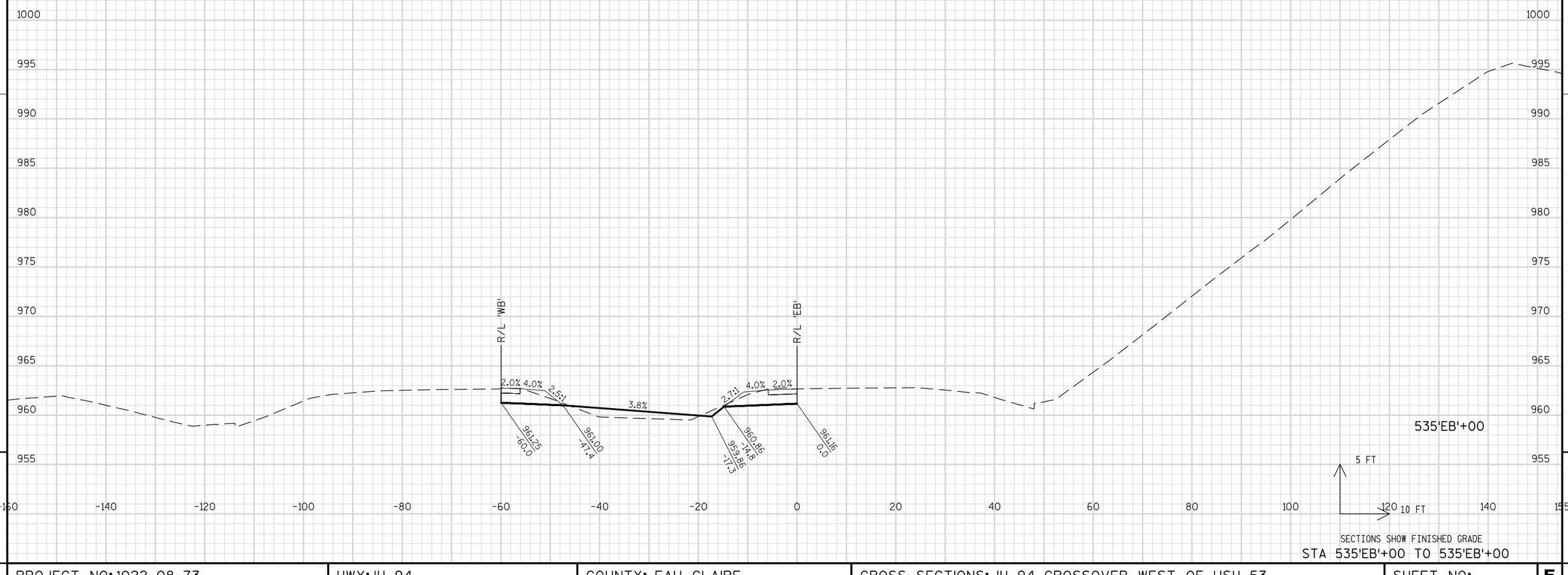


PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 CROSSOVER WEST OF USH 53	SHEET NO: 1390	E

FILE NAME : CH_0803_090211_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 1



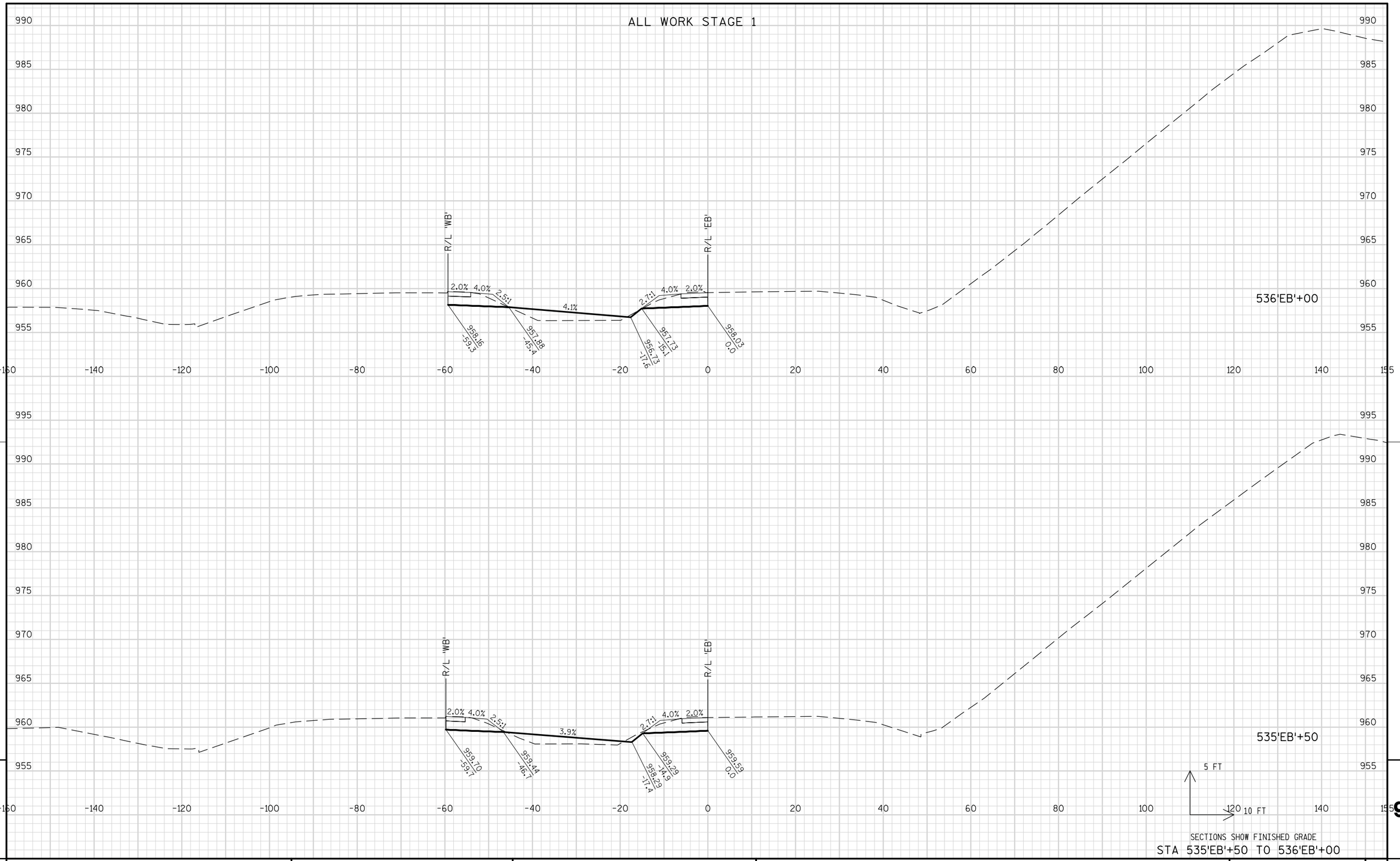
STA 535'EB'+00 TO 535'EB'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 CROSSOVER WEST OF USH 53	SHEET NO: 1391	E

FILE NAME : CH_0803_090211_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 1

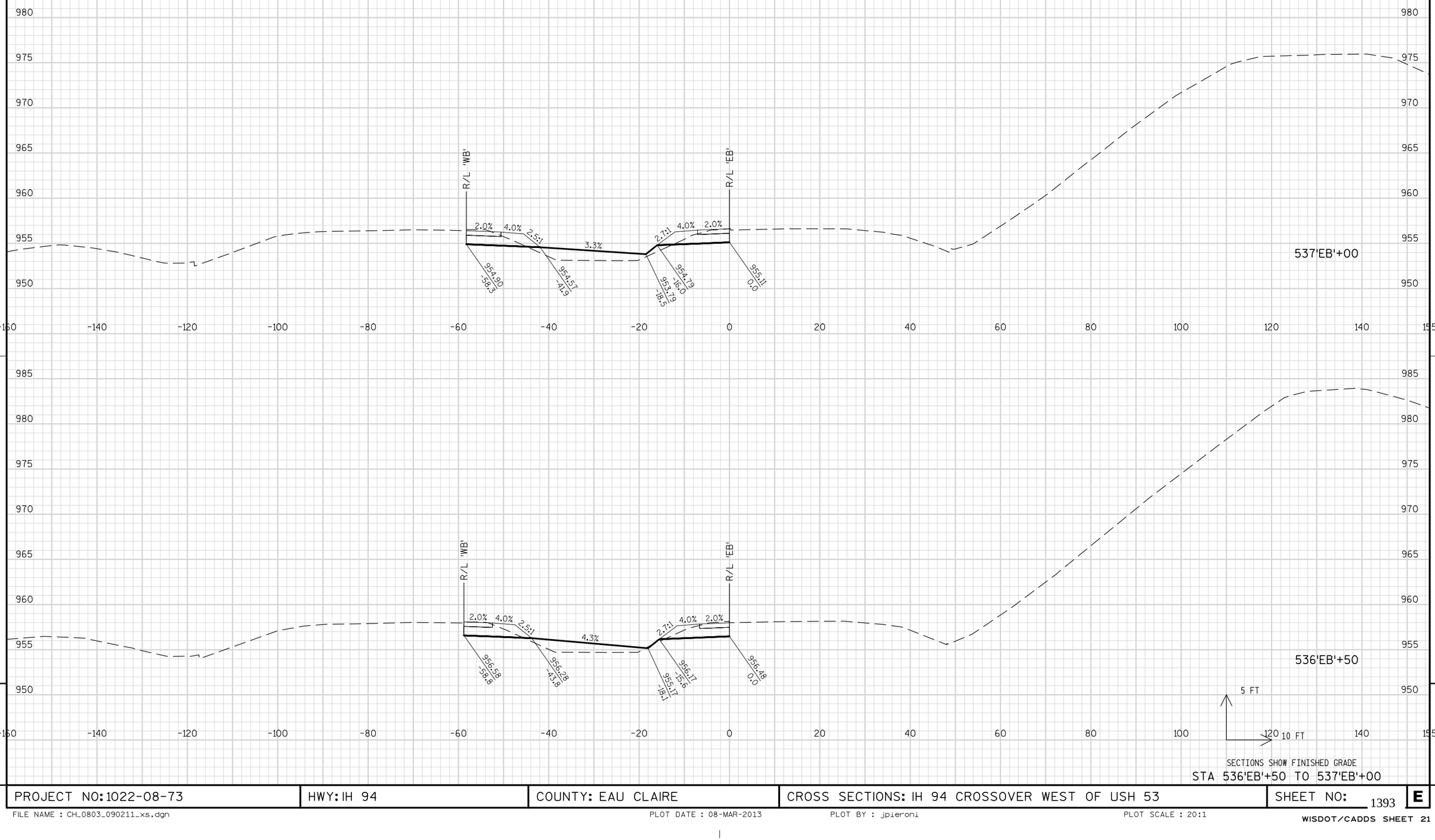


PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 CROSSOVER WEST OF USH 53	SHEET NO: 1392 E

FILE NAME : CH_0803_090211_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 1

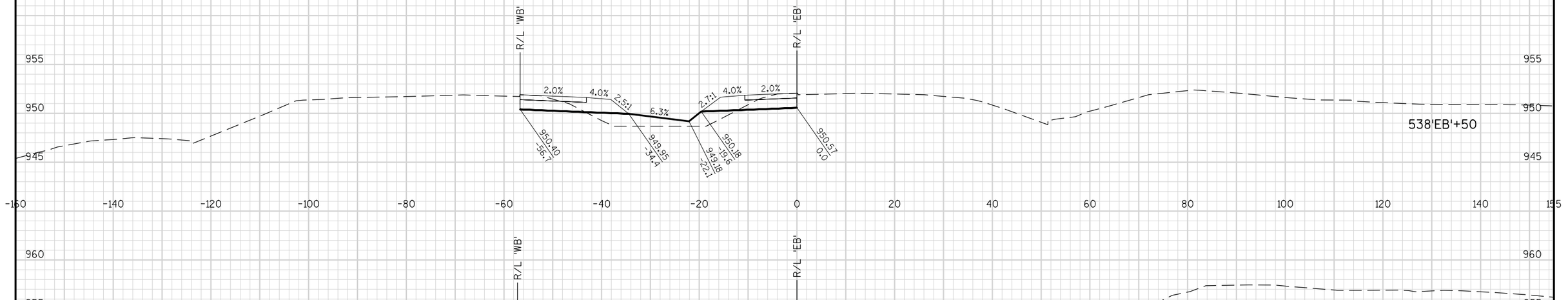


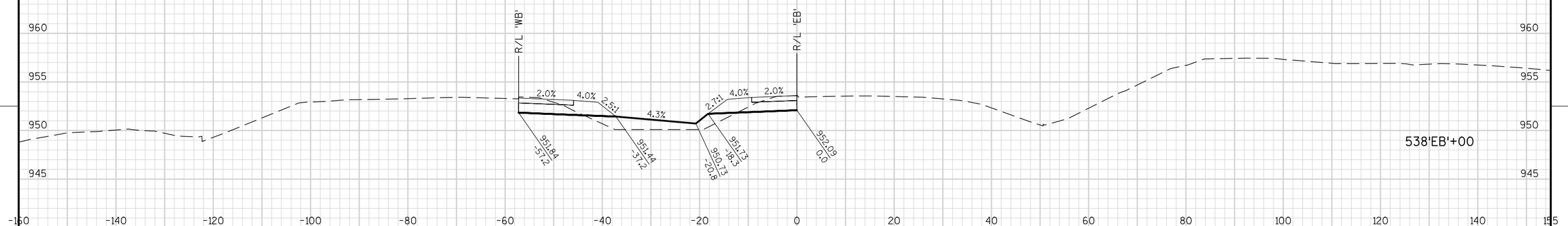
SECTIONS SHOW FINISHED GRADE

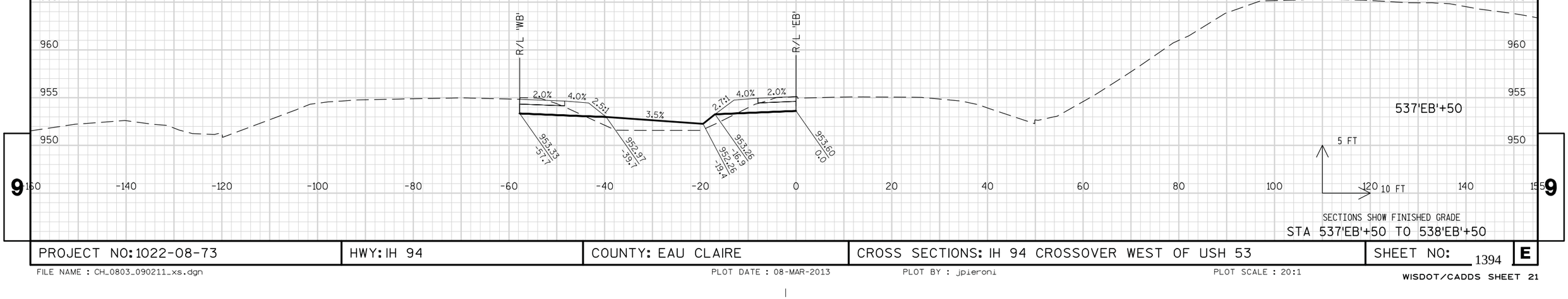
STA 536'EB'+50 TO 537'EB'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 CROSSOVER WEST OF USH 53	SHEET NO: 1393 E

ALL WORK STAGE 1







SECTIONS SHOW FINISHED GRADE

STA 537'EB'+50 TO 538'EB'+50

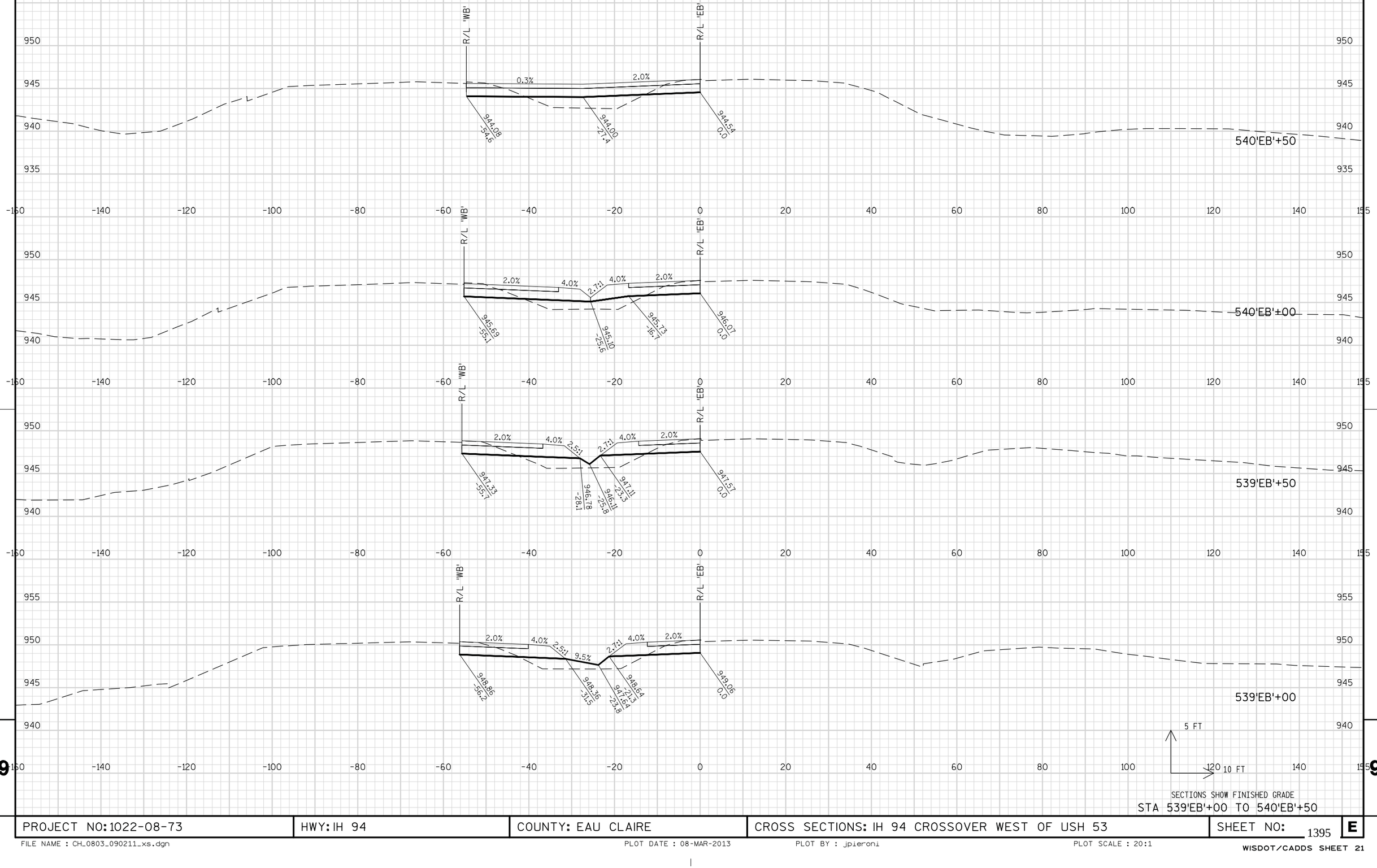
PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 CROSSOVER WEST OF USH 53	SHEET NO: 1394	E

FILE NAME : CH_0803_090211_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

9 9

ALL WORK STAGE 1



SECTIONS SHOW FINISHED GRADE

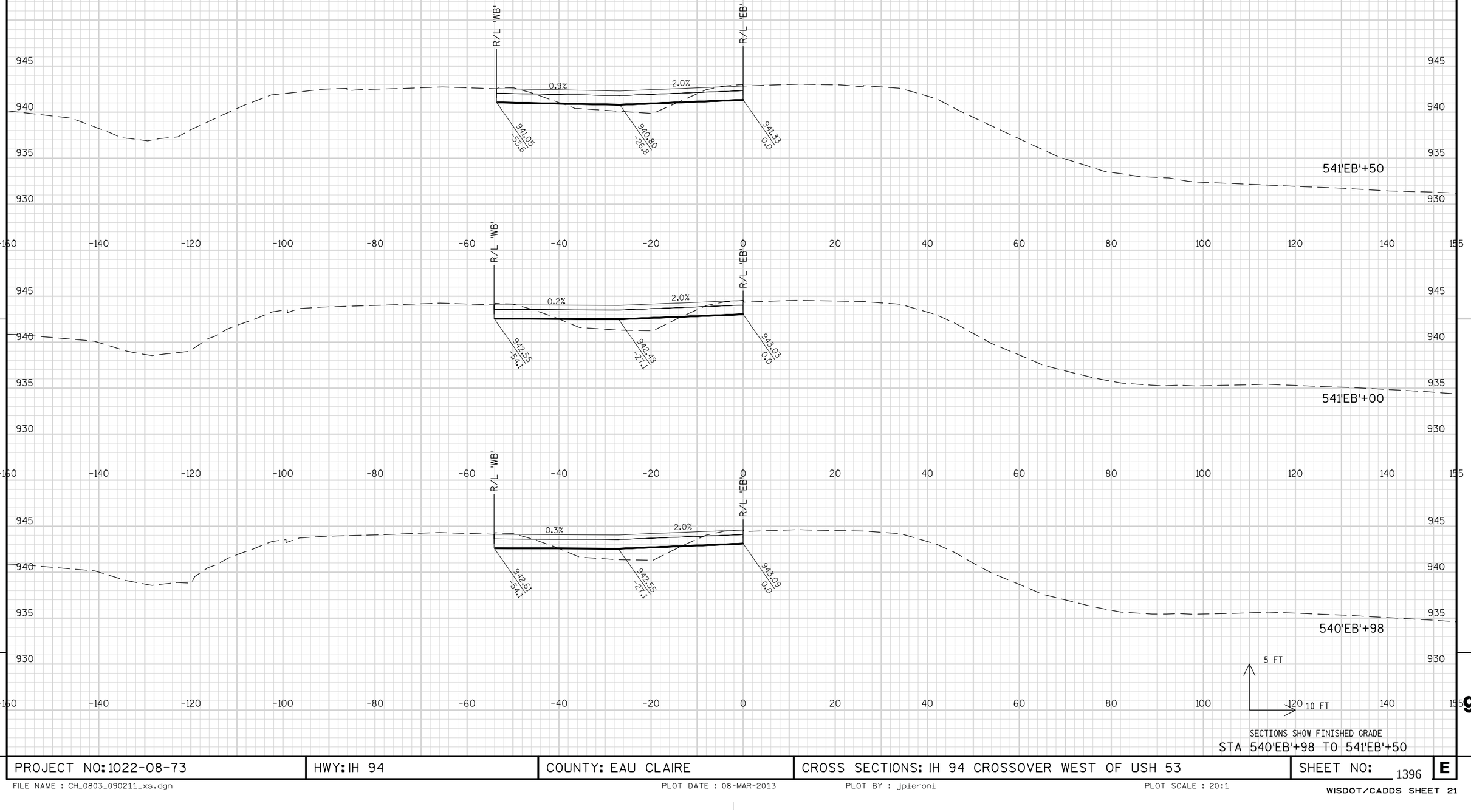
STA 539'EB'+00 TO 540'EB'+50

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 CROSSOVER WEST OF USH 53	SHEET NO: 1395 E

FILE NAME : CH_0803_090211_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 1

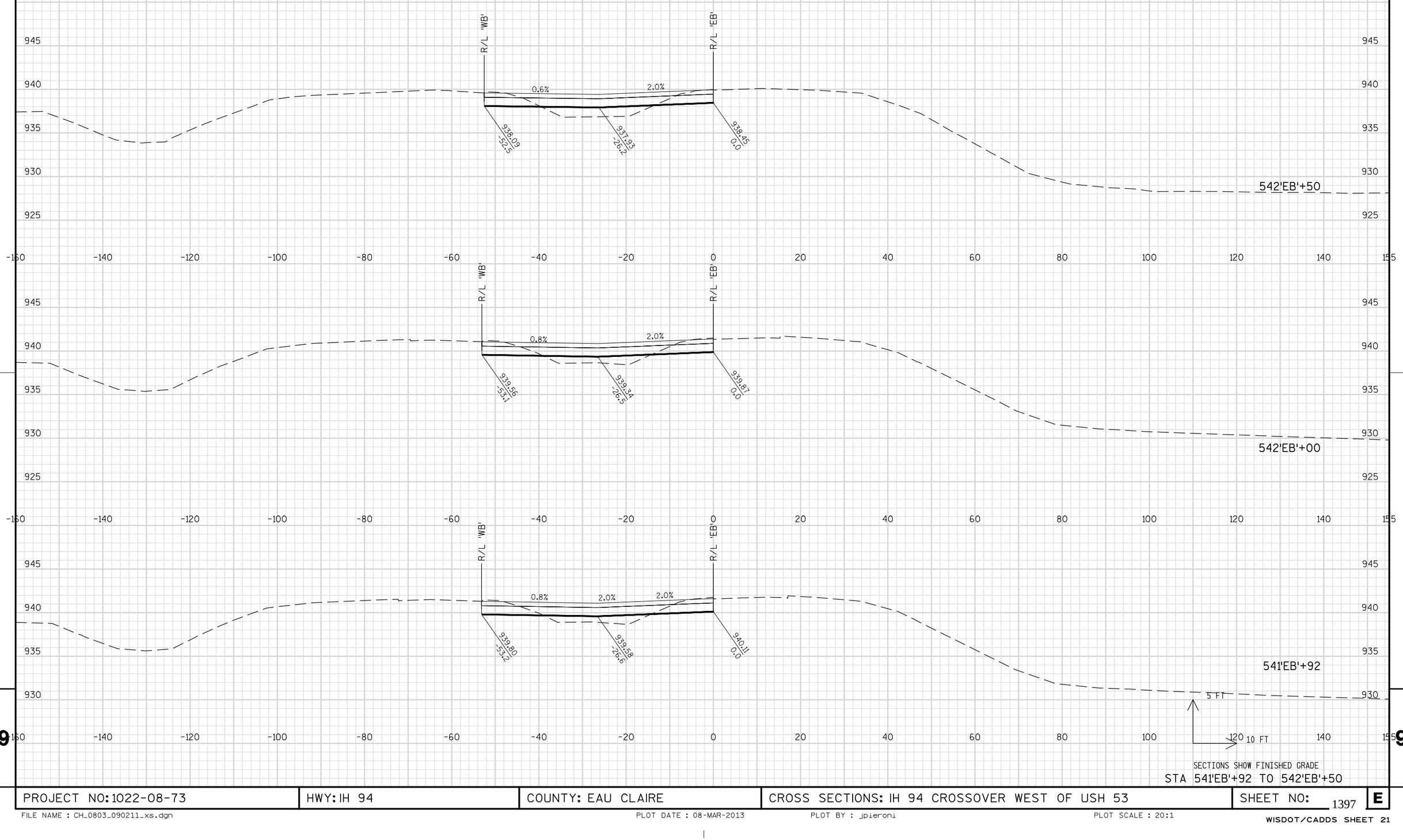


PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 CROSSOVER WEST OF USH 53	SHEET NO: 1396 E

FILE NAME : CH_0803_090211_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 1



SECTIONS SHOW FINISHED GRADE

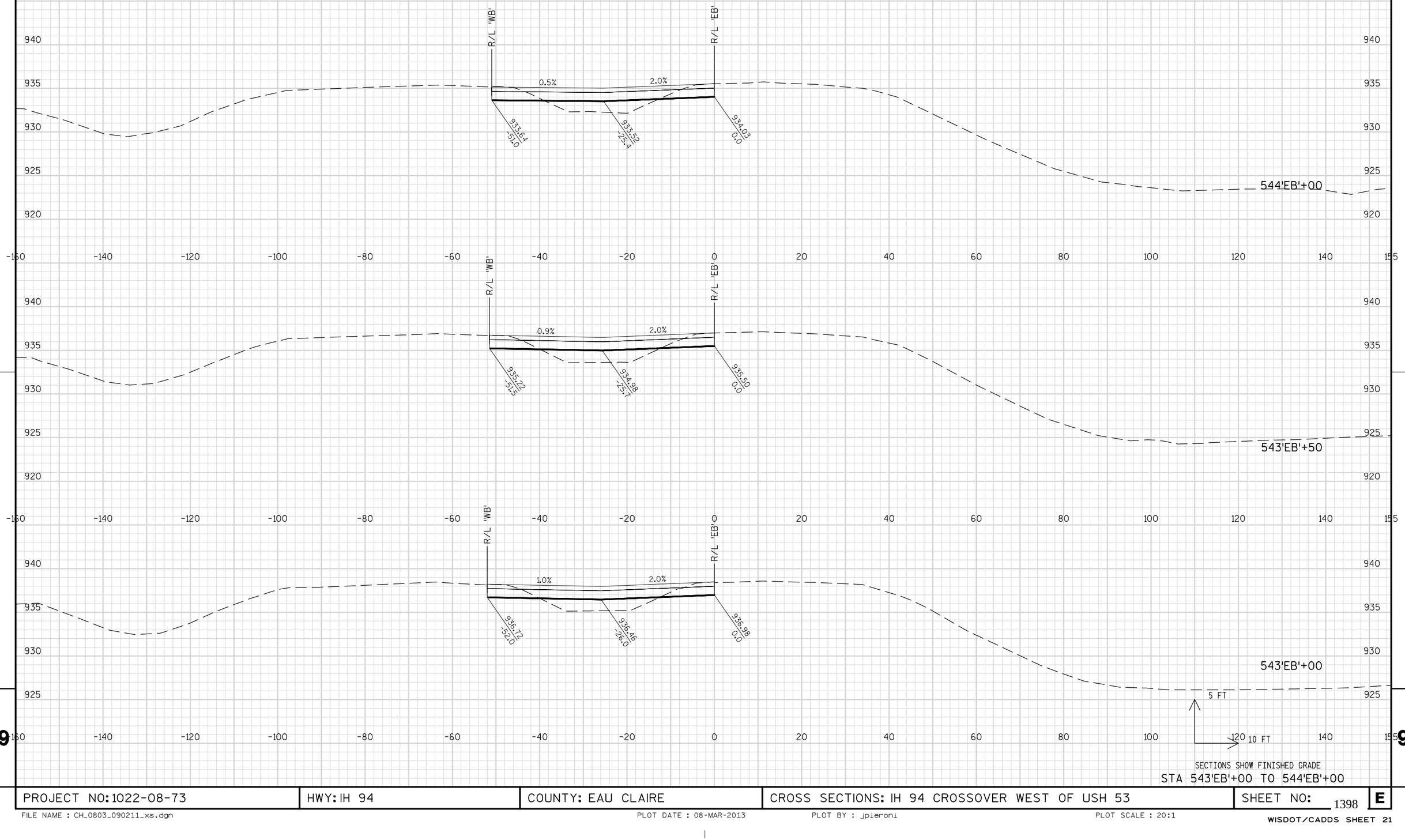
STA 541'EB'+92 TO 542'EB'+50

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 CROSSOVER WEST OF USH 53	SHEET NO: 1397	E

FILE NAME : CH_0803_090211_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 1



SECTIONS SHOW FINISHED GRADE

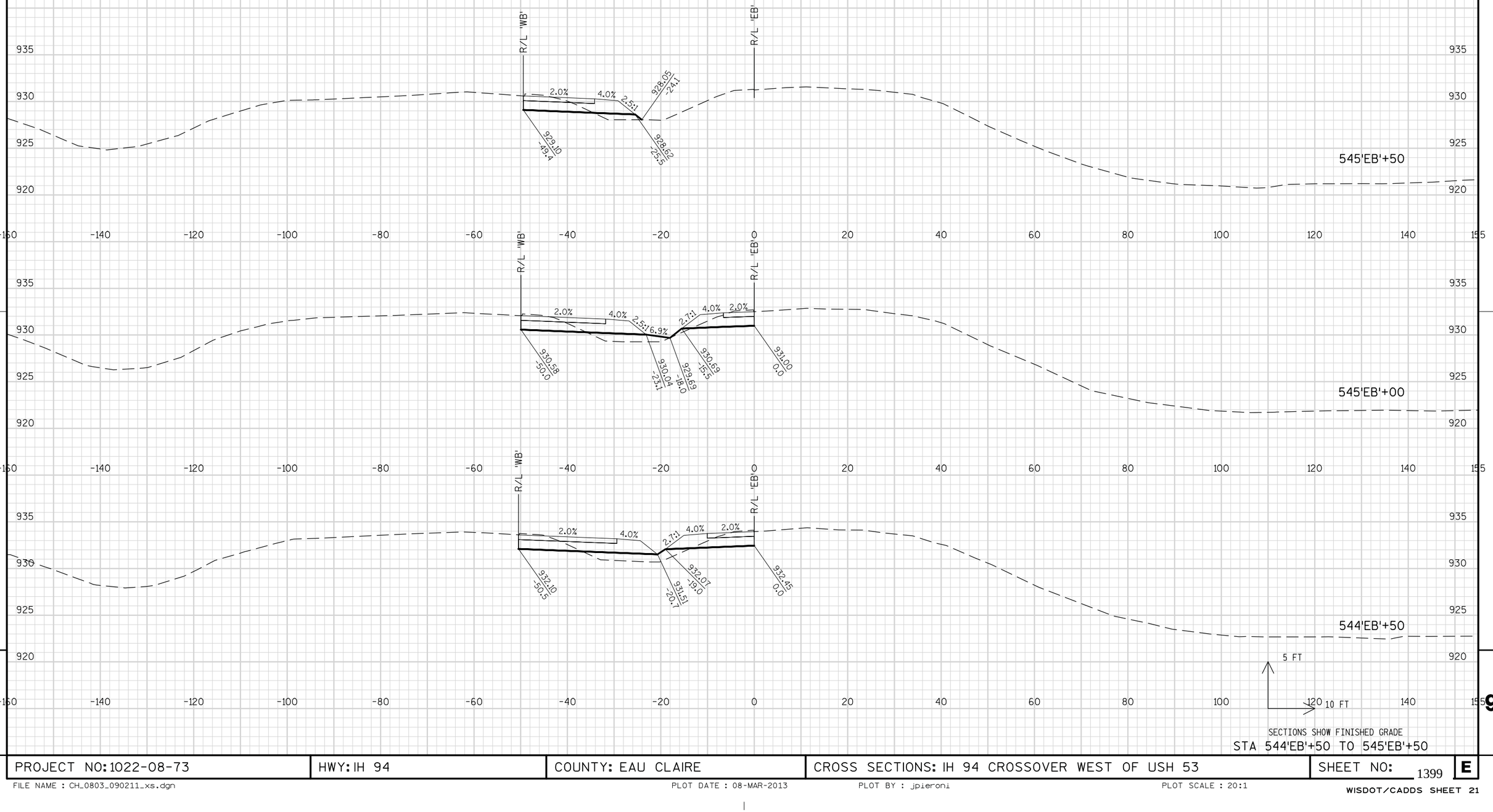
STA 543'EB'+00 TO 544'EB'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 CROSSOVER WEST OF USH 53	SHEET NO: 1398 E

FILE NAME : CH_0803_090211_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 1



SECTIONS SHOW FINISHED GRADE

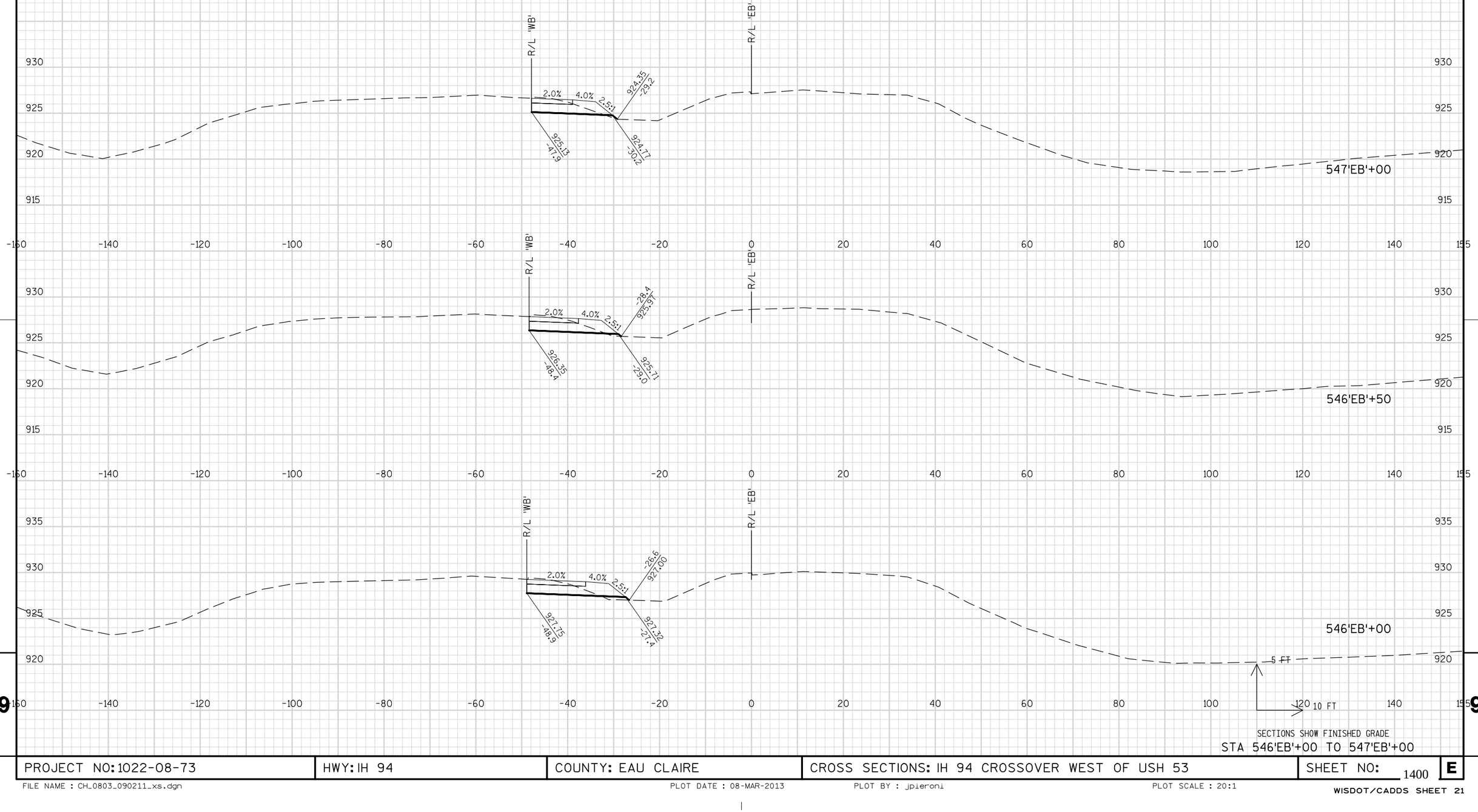
STA 544'EB'+50 TO 545'EB'+50

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 CROSSOVER WEST OF USH 53	SHEET NO: 1399	E

FILE NAME : CH_0803_090211_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 1



SECTIONS SHOW FINISHED GRADE

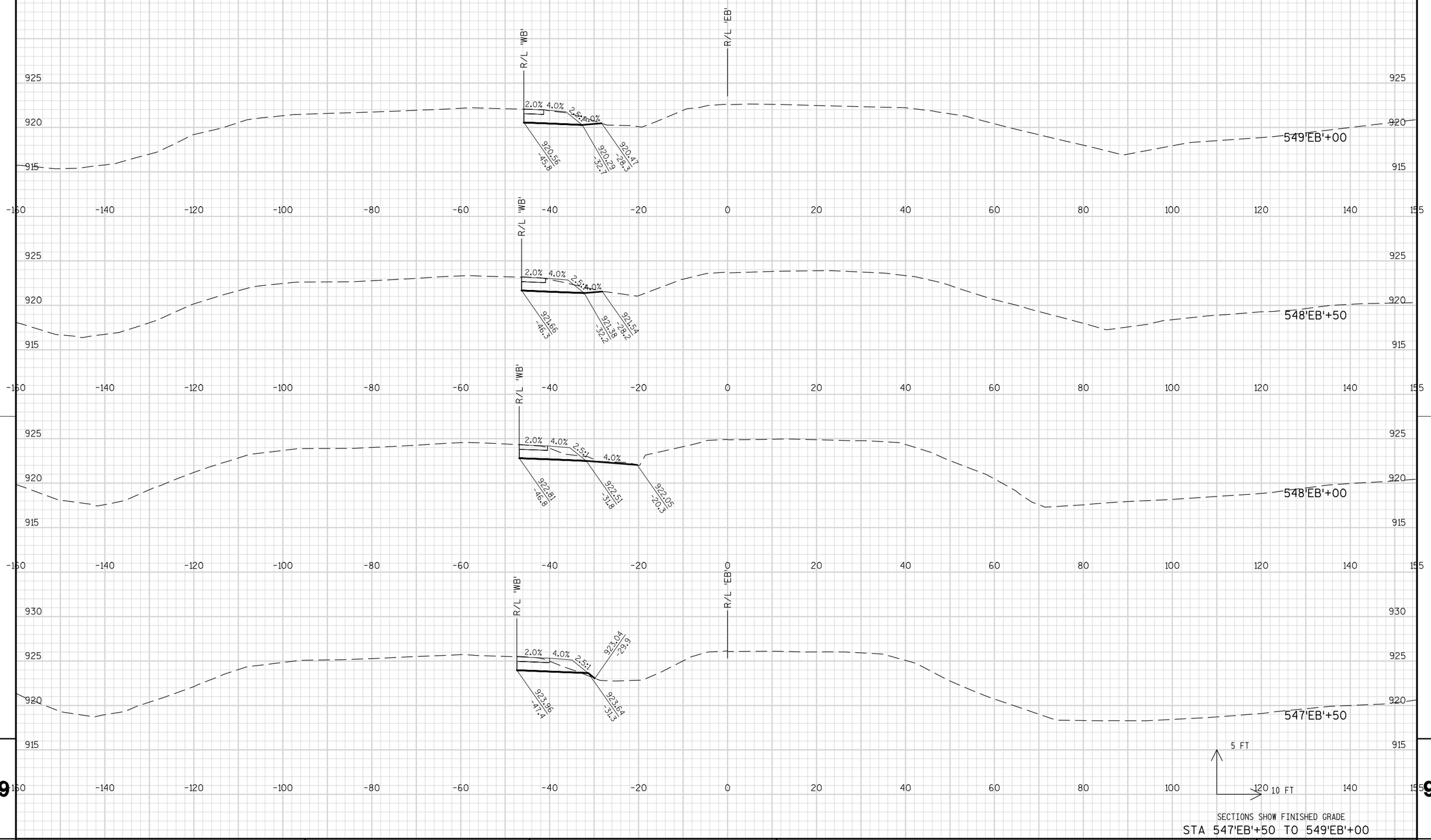
STA 546'EB'+00 TO 547'EB'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 CROSSOVER WEST OF USH 53	SHEET NO: 1400	E

FILE NAME : CH_0803_090211_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 1



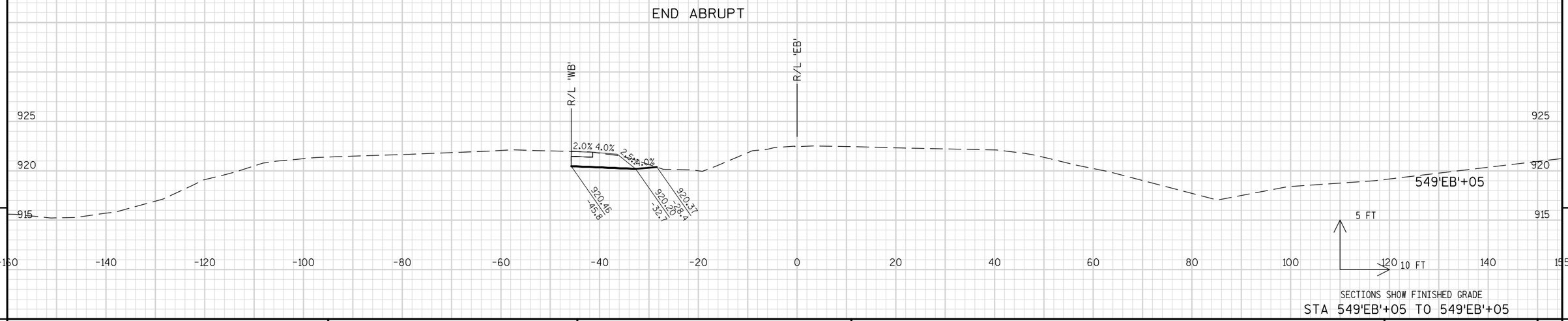
SECTIONS SHOW FINISHED GRADE
STA 547'EB'+50 TO 549'EB'+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 CROSSOVER WEST OF USH 53	SHEET NO: 1401 E

FILE NAME : CH_0803_090211_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

END ABRUPT



SECTIONS SHOW FINISHED GRADE

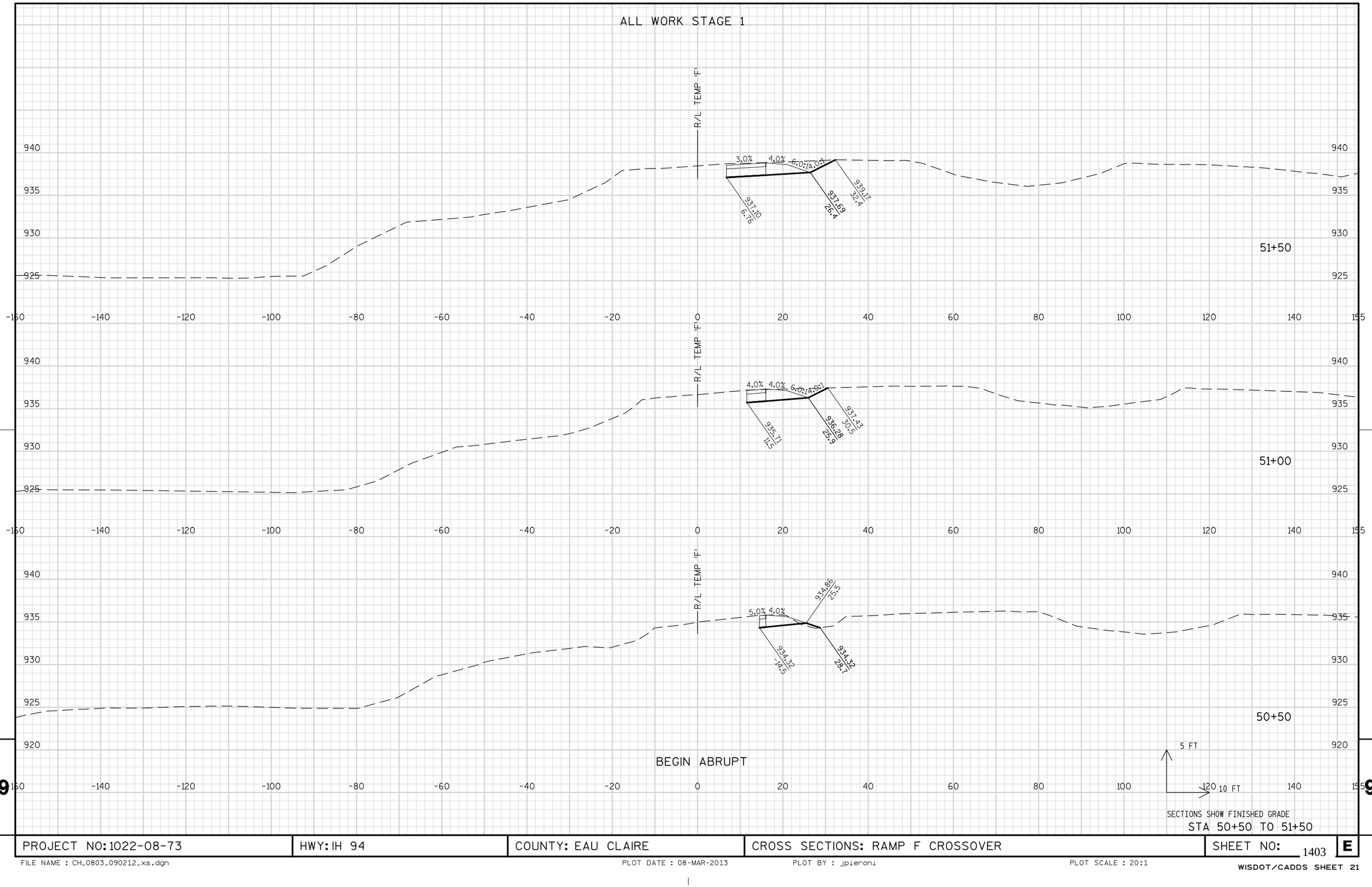
STA 549'EB'+05 TO 549'EB'+05

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: IH 94 CROSSOVER WEST OF USH 53	SHEET NO: 1402 E

FILE NAME : CH_0803_090211_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 1



BEGIN ABRUPT

SECTIONS SHOW FINISHED GRADE

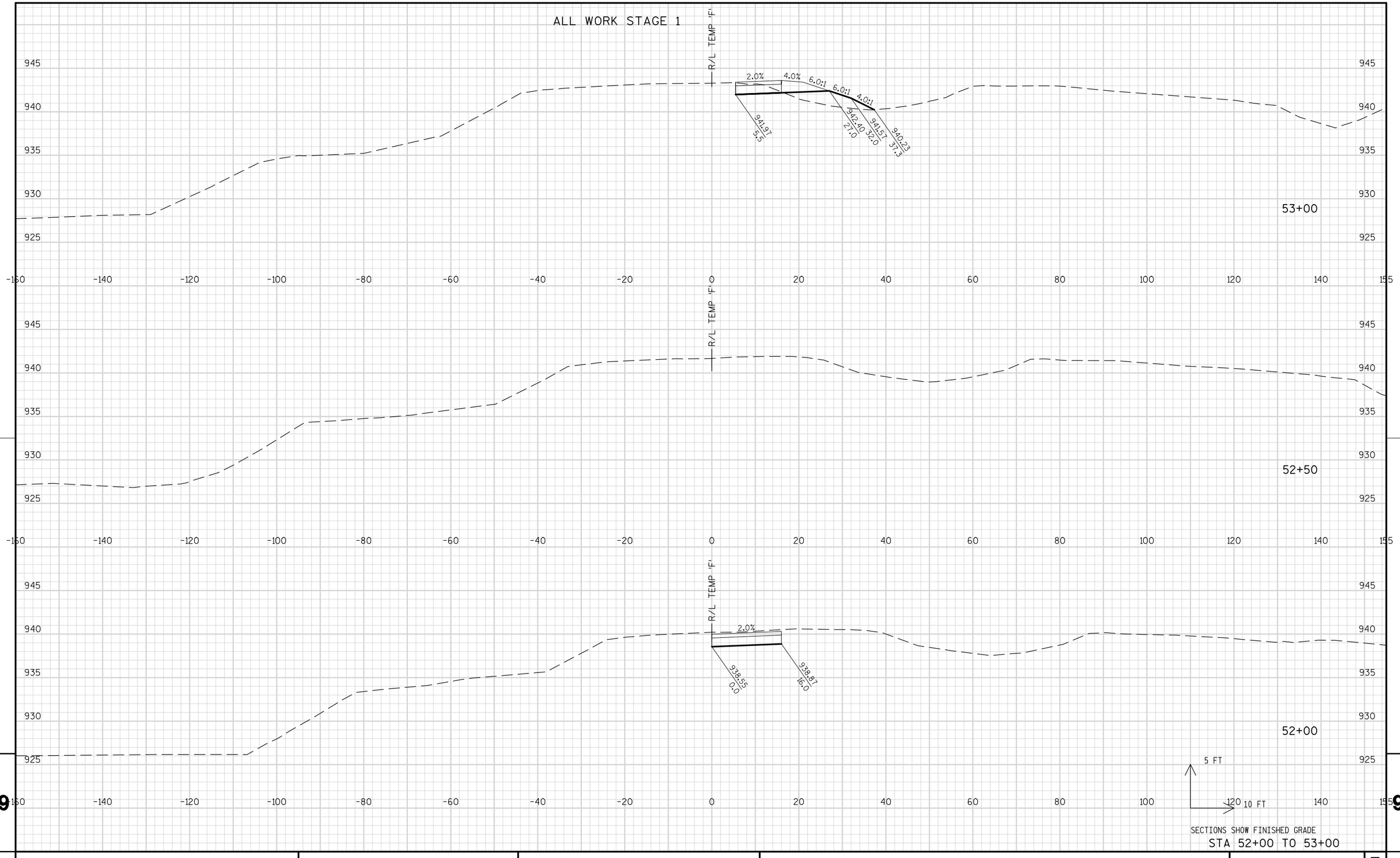
STA 50+50 TO 51+50

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: RAMP F CROSSOVER	SHEET NO: 1403 E

FILE NAME : CH_0803_090212_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 1



SECTIONS SHOW FINISHED GRADE

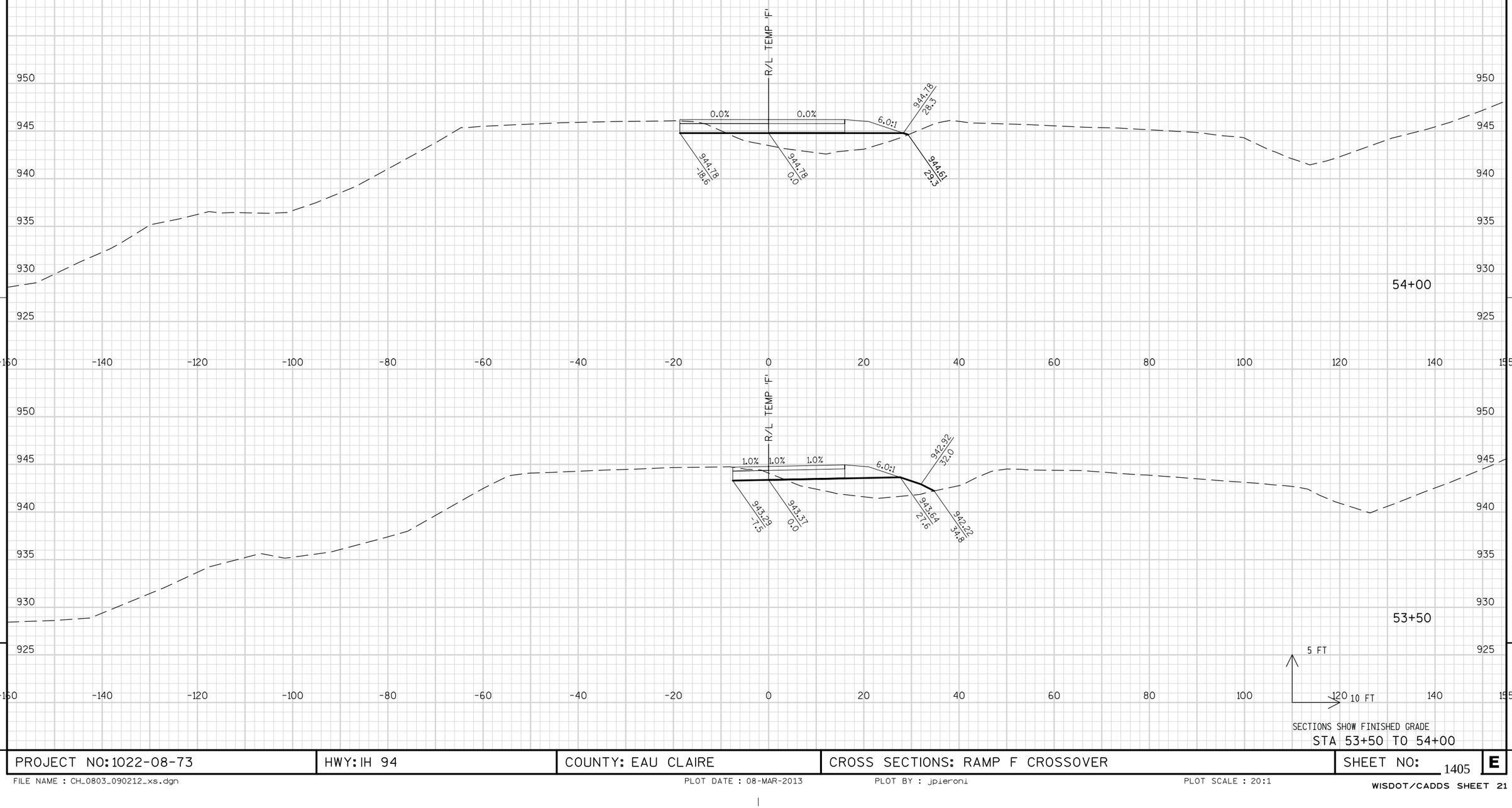
STA 52+00 TO 53+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: RAMP F CROSSOVER	SHEET NO: 1404	E

FILE NAME : CH_0803_090212_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 1



SECTIONS SHOW FINISHED GRADE

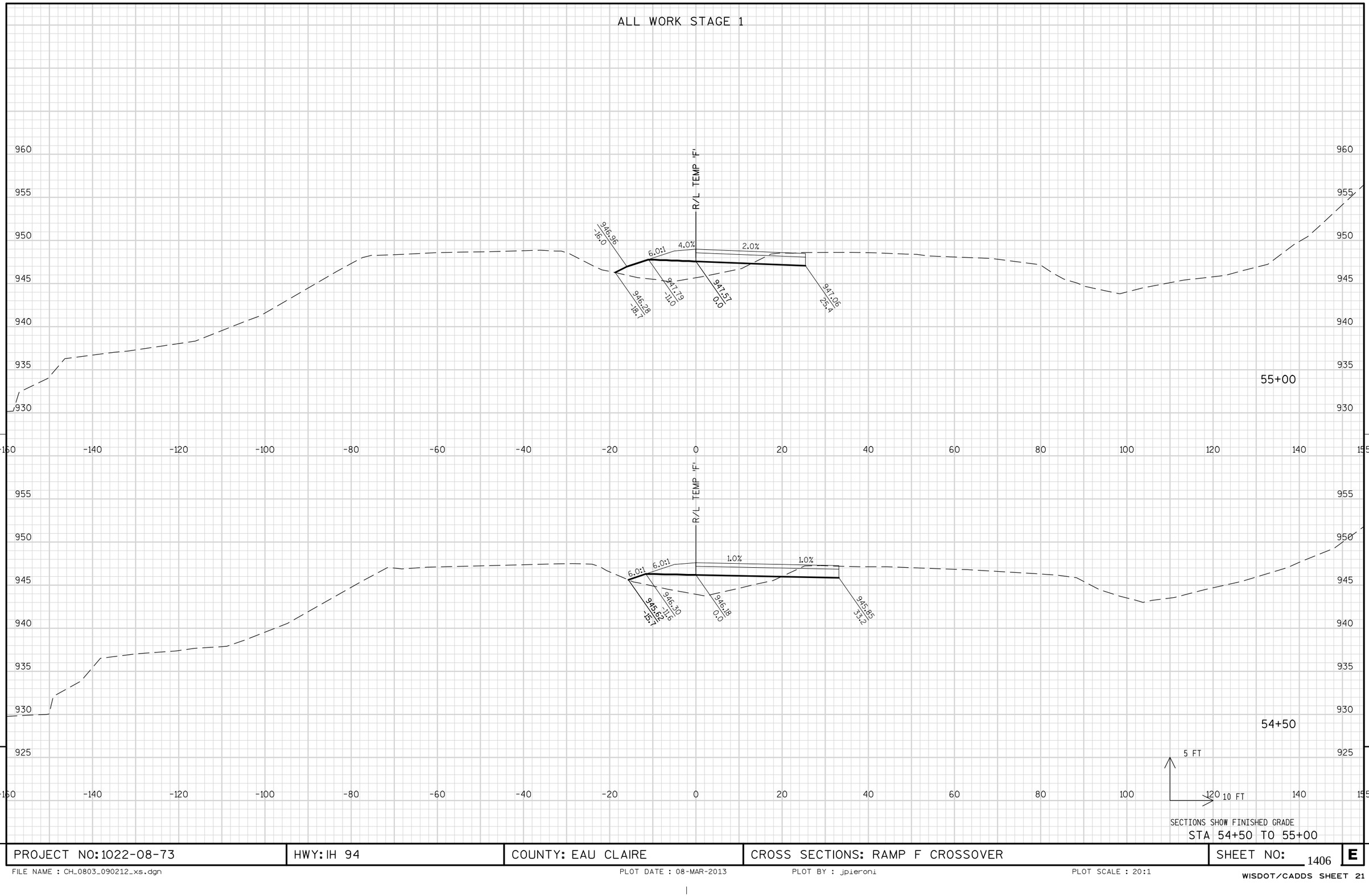
STA 53+50 TO 54+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: RAMP F CROSSOVER	SHEET NO: 1405 E

FILE NAME : CH_0803_090212_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 1

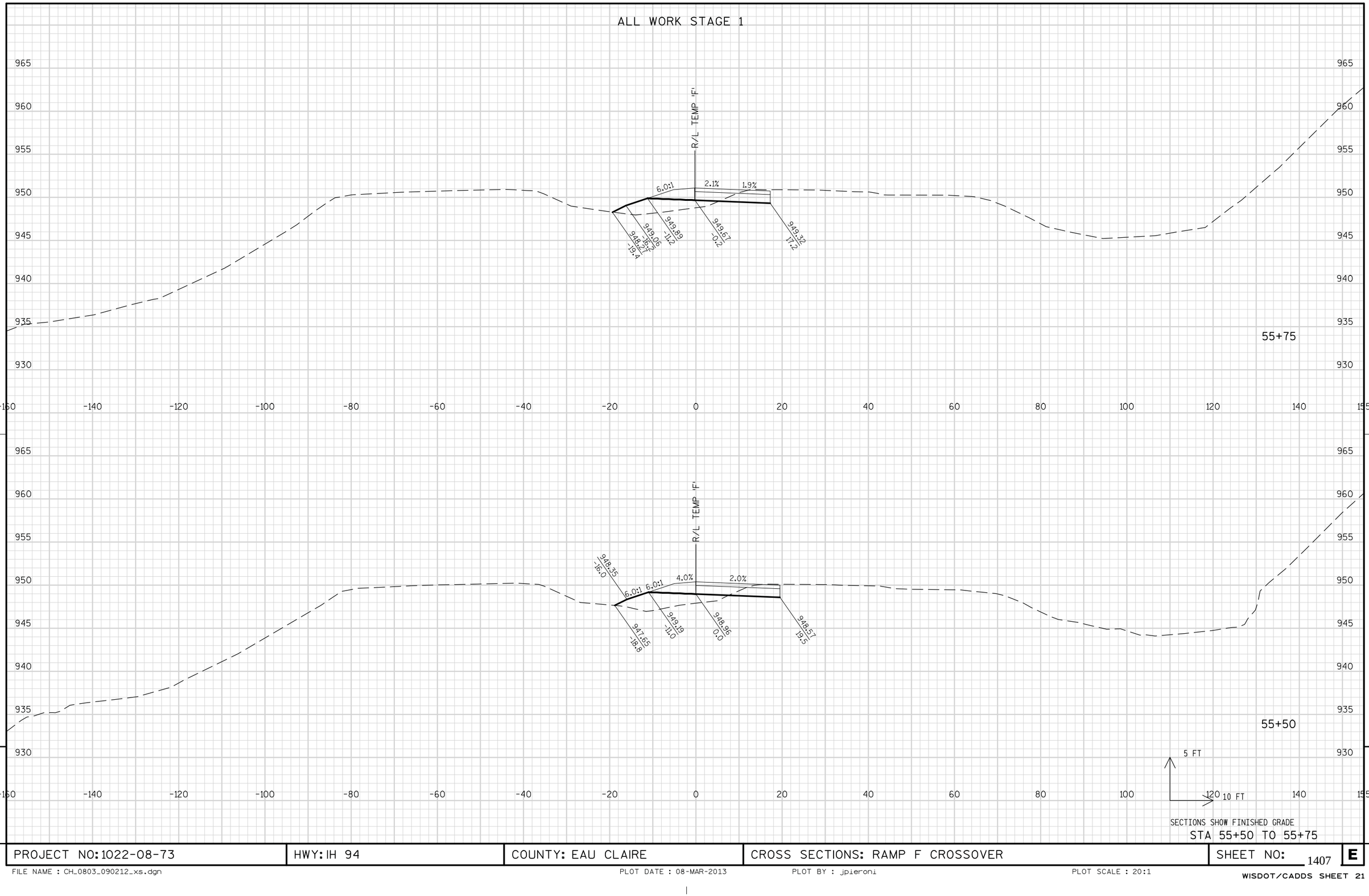


PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: RAMP F CROSSOVER	SHEET NO: 1406 E

FILE NAME : CH_0803_090212_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

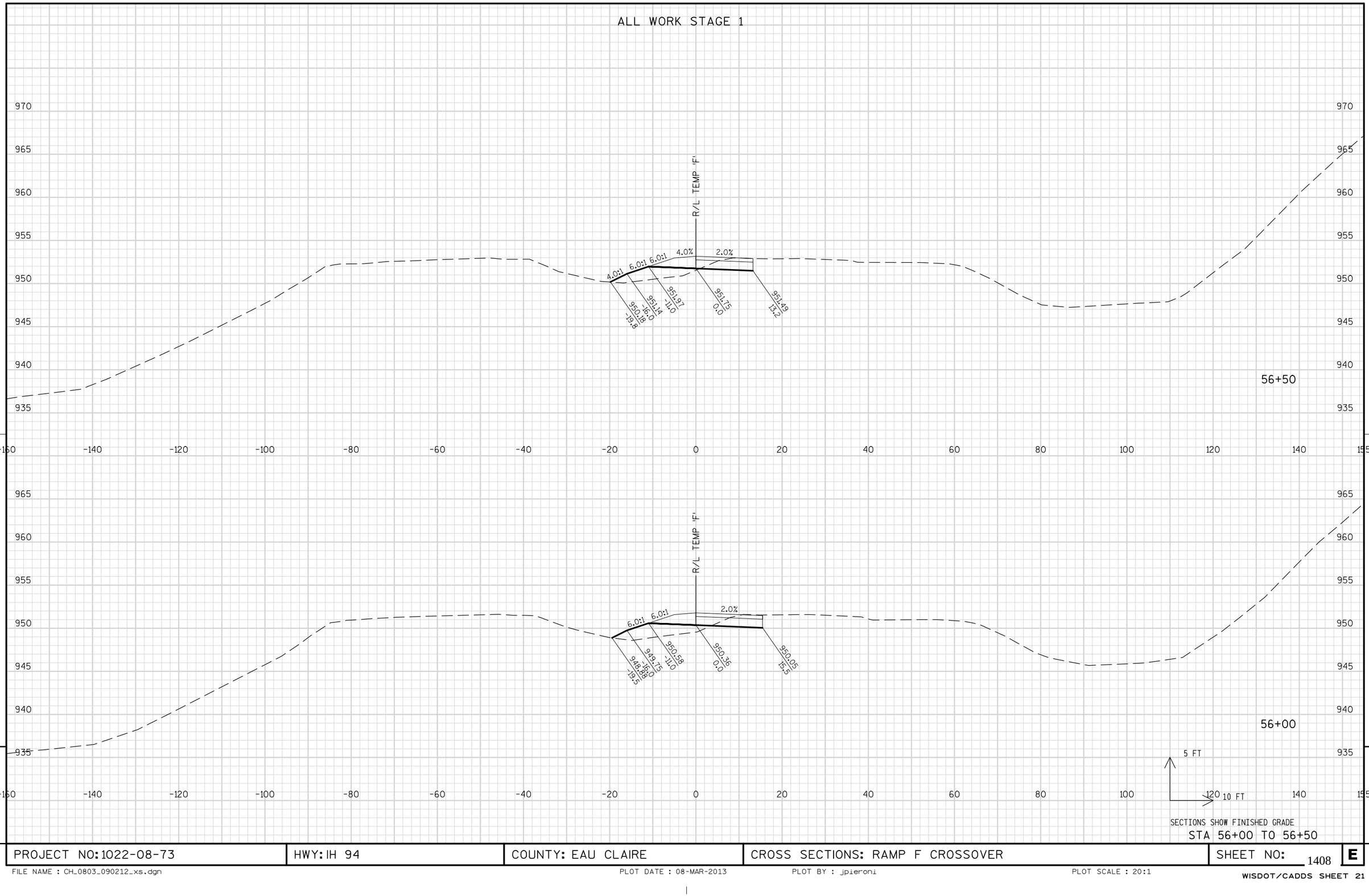
ALL WORK STAGE 1



PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: RAMP F CROSSOVER	SHEET NO: 1407 E

FILE NAME : CH_0803_090212_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

ALL WORK STAGE 1



SECTIONS SHOW FINISHED GRADE

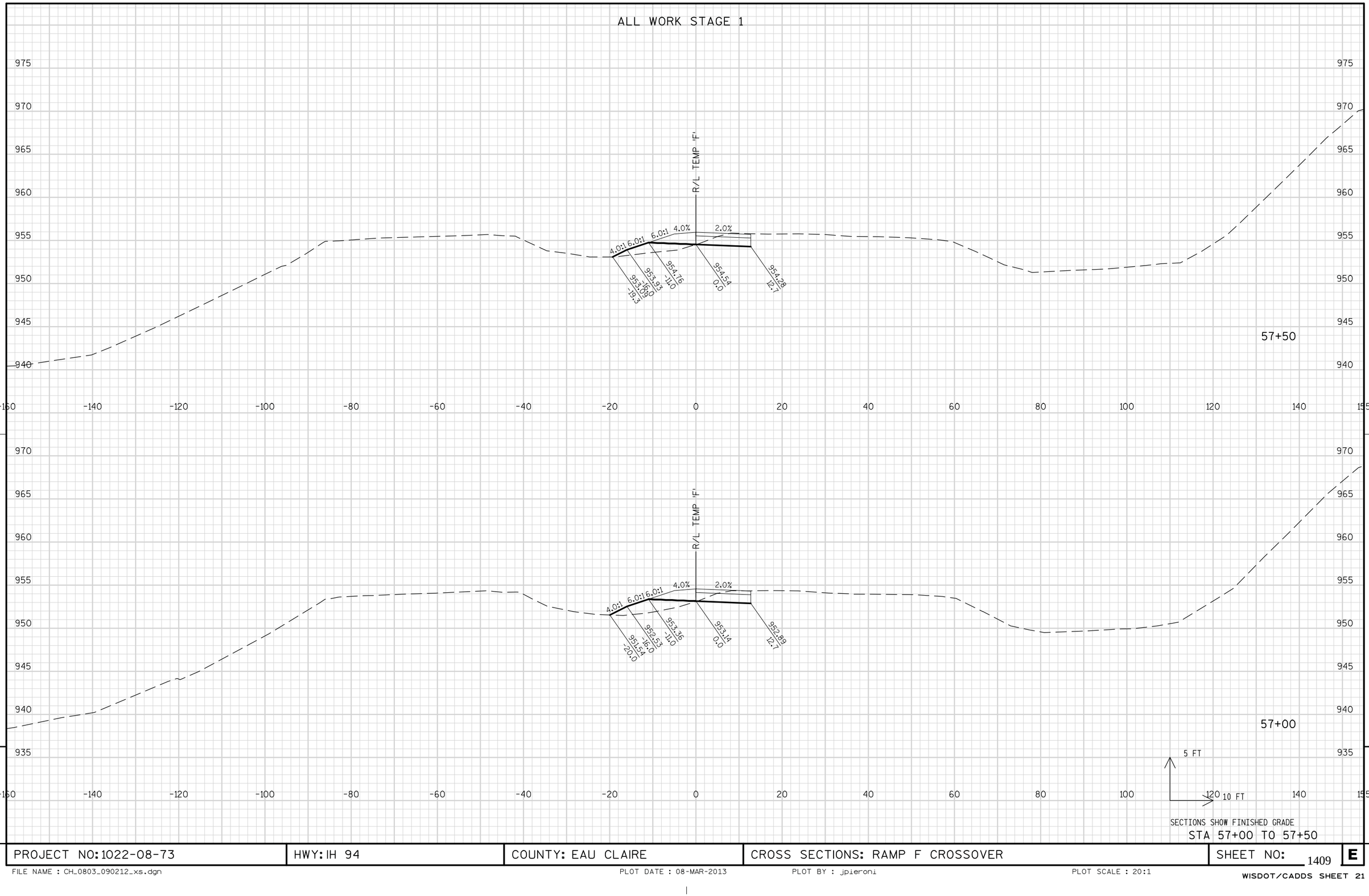
STA 56+00 TO 56+50

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: RAMP F CROSSOVER	SHEET NO: 1408 E

FILE NAME : CH_0803_090212_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 1

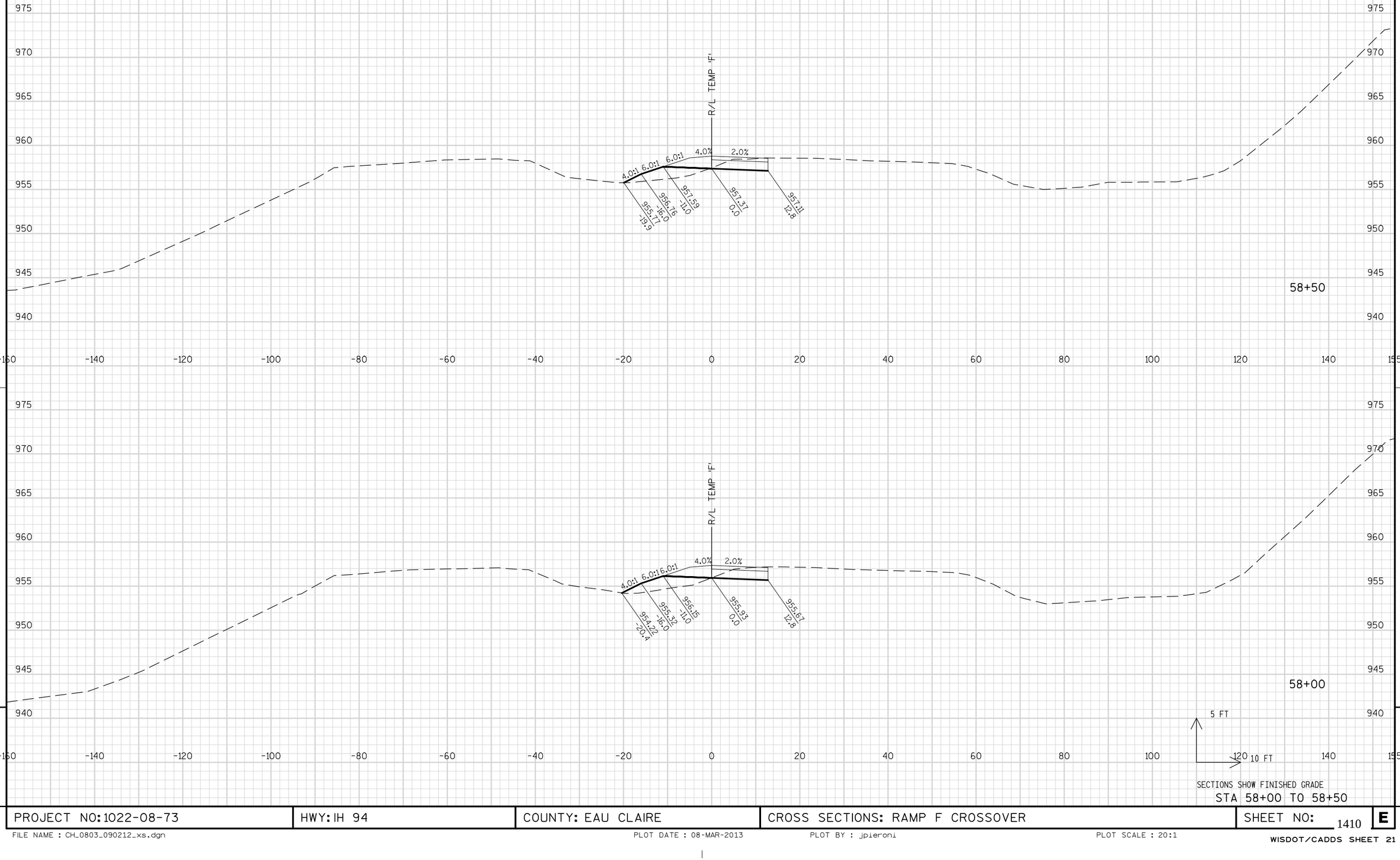


PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: RAMP F CROSSOVER	SHEET NO: 1409 E

FILE NAME : CH_0803_090212_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 1



SECTIONS SHOW FINISHED GRADE

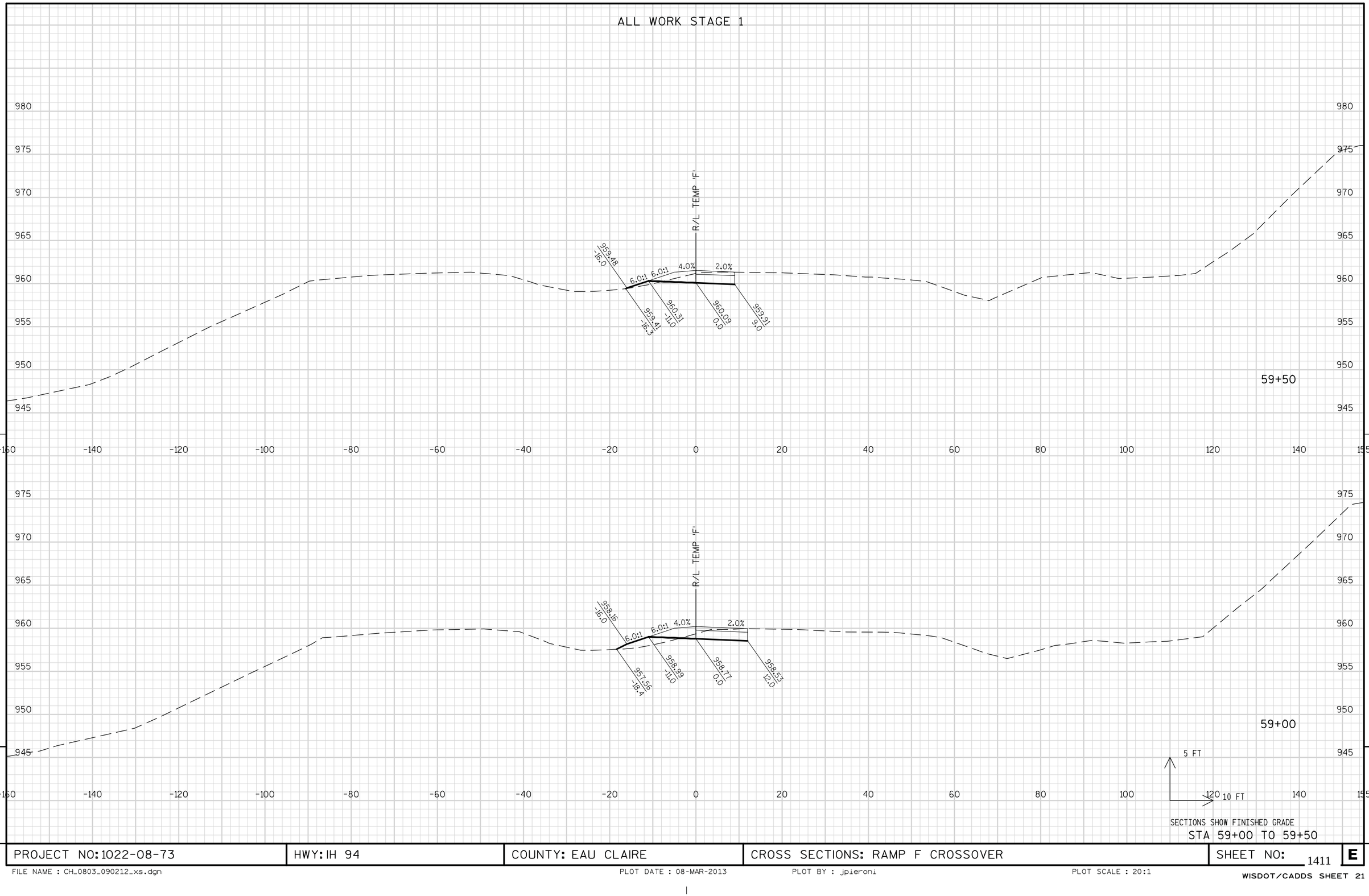
STA 58+00 TO 58+50

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: RAMP F CROSSOVER	SHEET NO: 1410 E

FILE NAME : CH_0803_090212_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 1



SECTIONS SHOW FINISHED GRADE

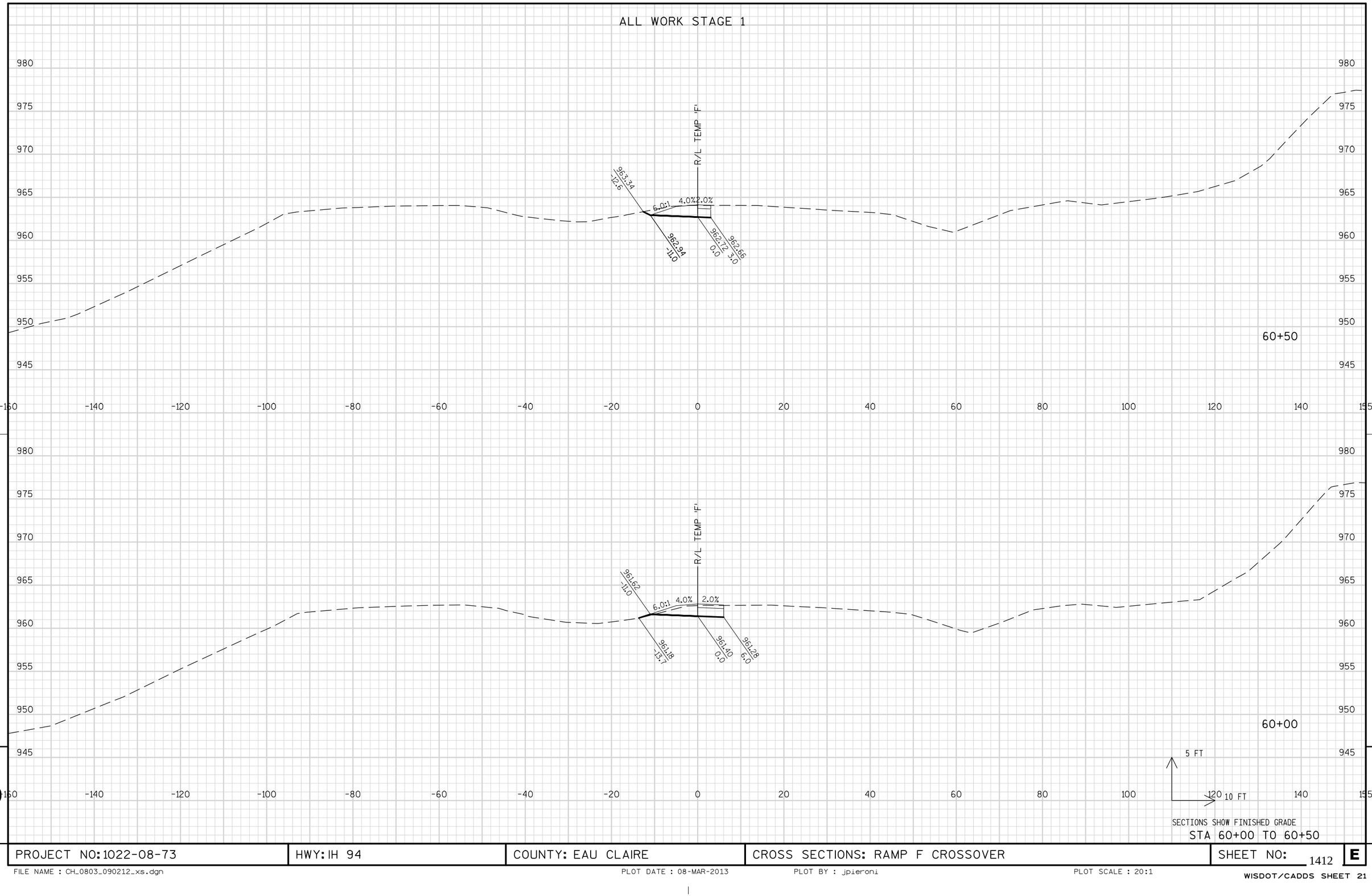
STA 59+00 TO 59+50

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: RAMP F CROSSOVER	SHEET NO: 1411 E

FILE NAME : CH_0803_090212_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 1



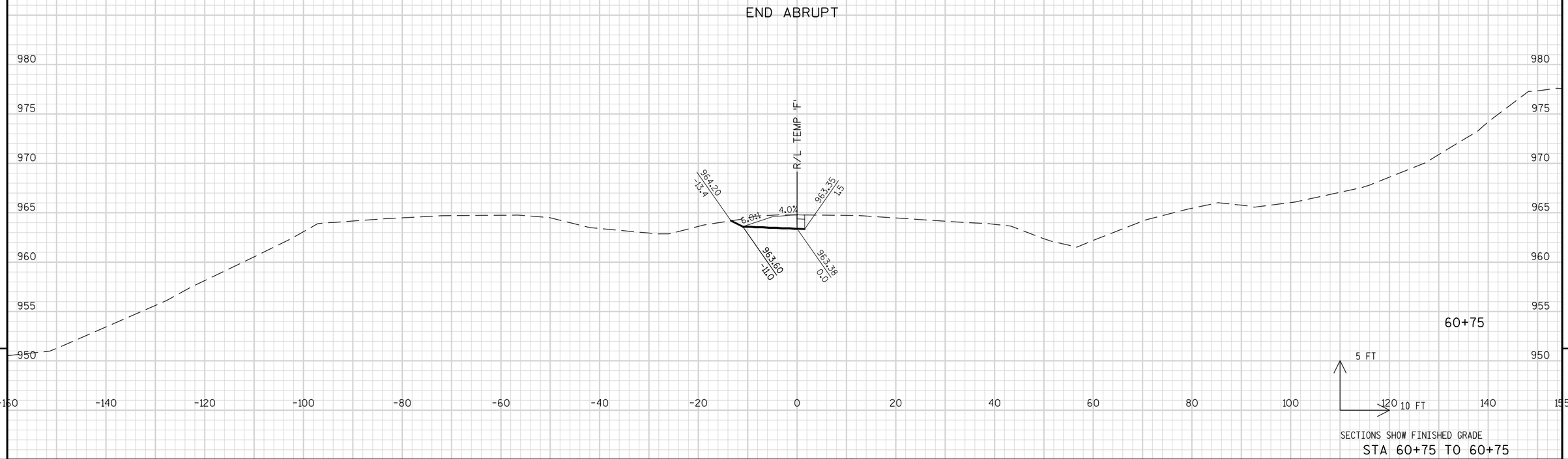
STA 60+00 TO 60+50

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: RAMP F CROSSOVER	SHEET NO: 1412 E

FILE NAME : CH_0803_090212_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

ALL WORK STAGE 1

END ABRUPT

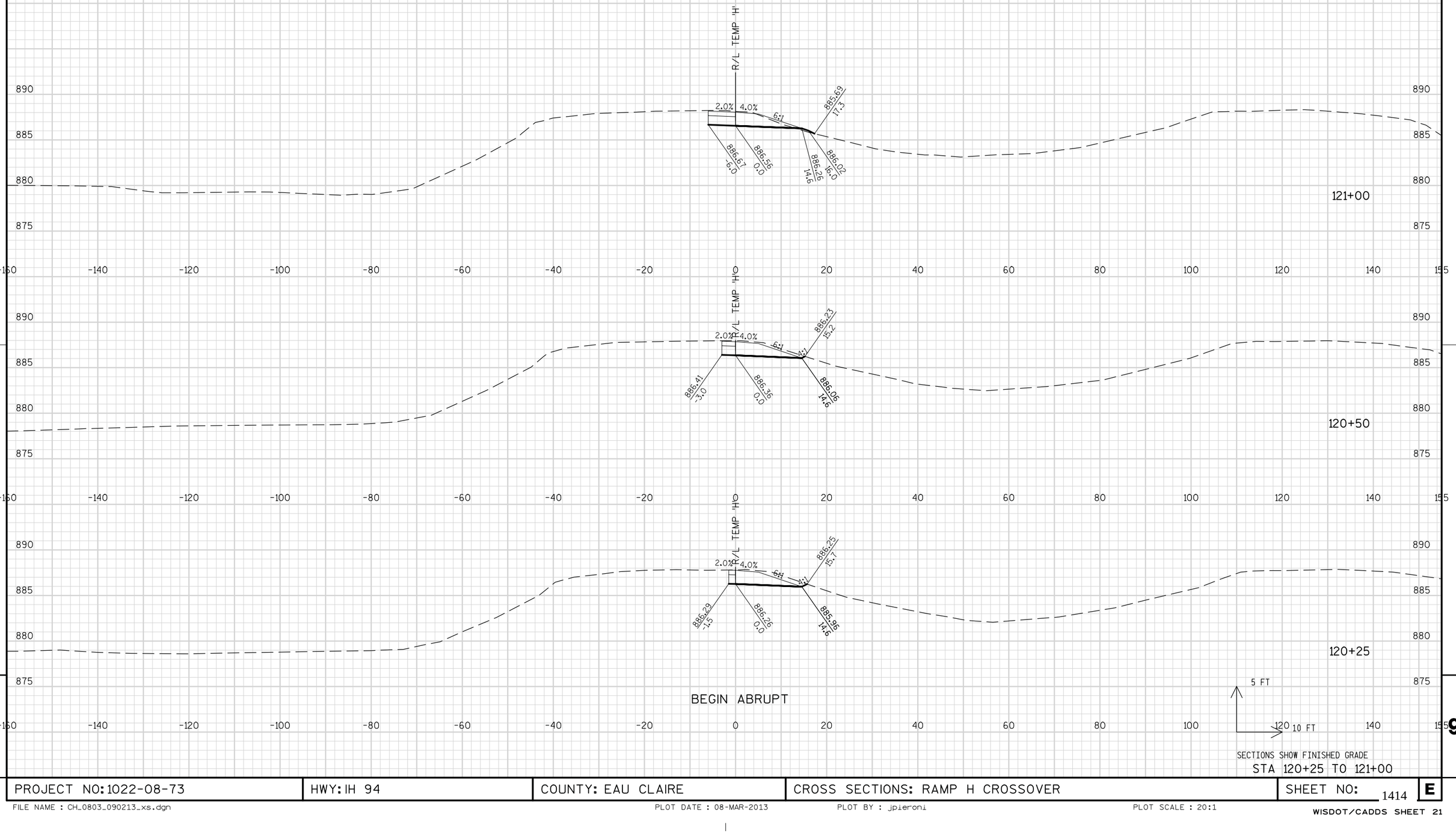


SECTIONS SHOW FINISHED GRADE

STA 60+75 TO 60+75

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: RAMP F CROSSOVER	SHEET NO: 1413	E

ALL WORK STAGE 1



BEGIN ABRUPT

5 FT

10 FT

SECTIONS SHOW FINISHED GRADE

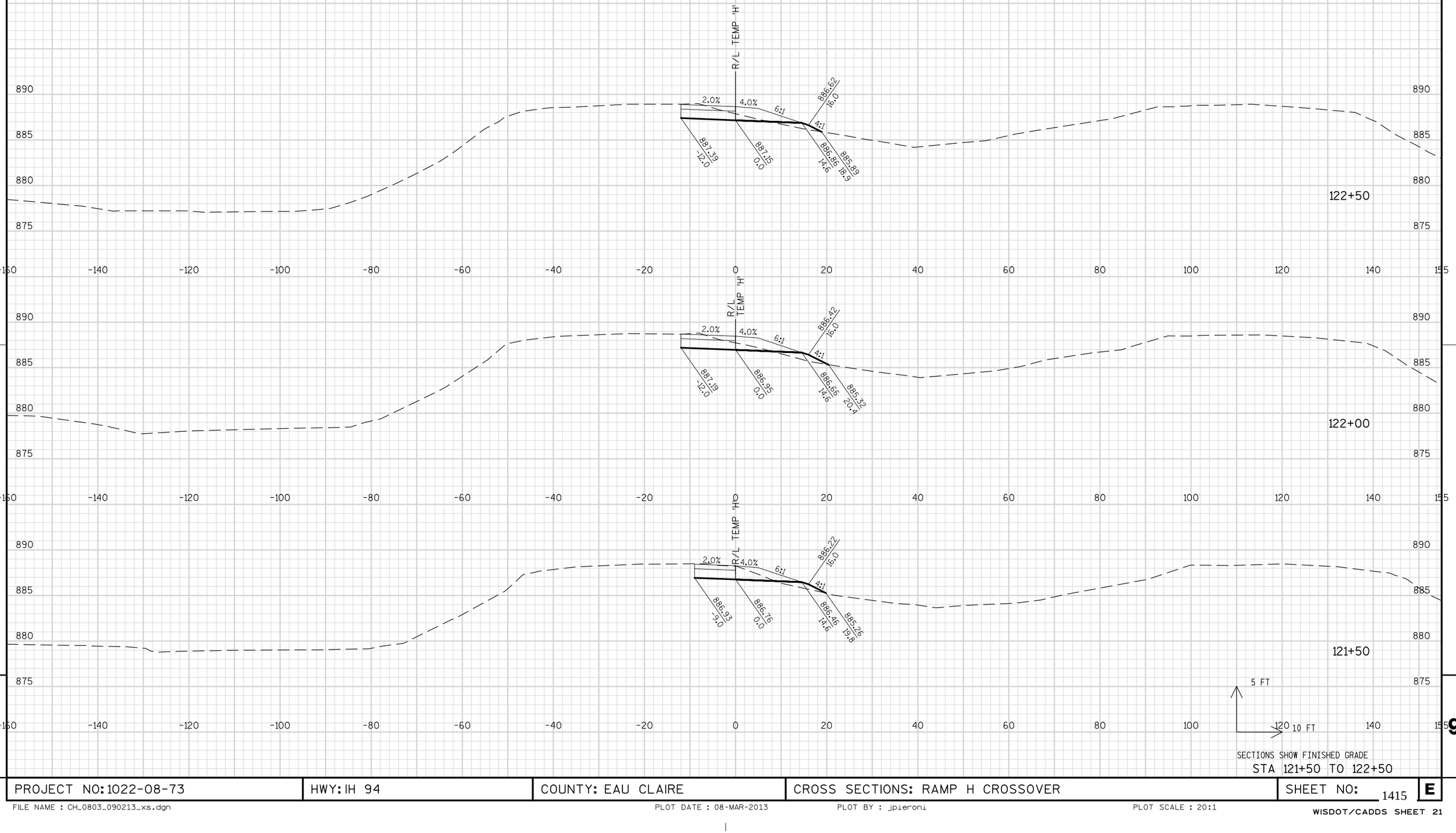
STA 120+25 TO 121+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: RAMP H CROSSOVER	SHEET NO: 1414	E

FILE NAME : CH_0803_090213_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 1



SECTIONS SHOW FINISHED GRADE

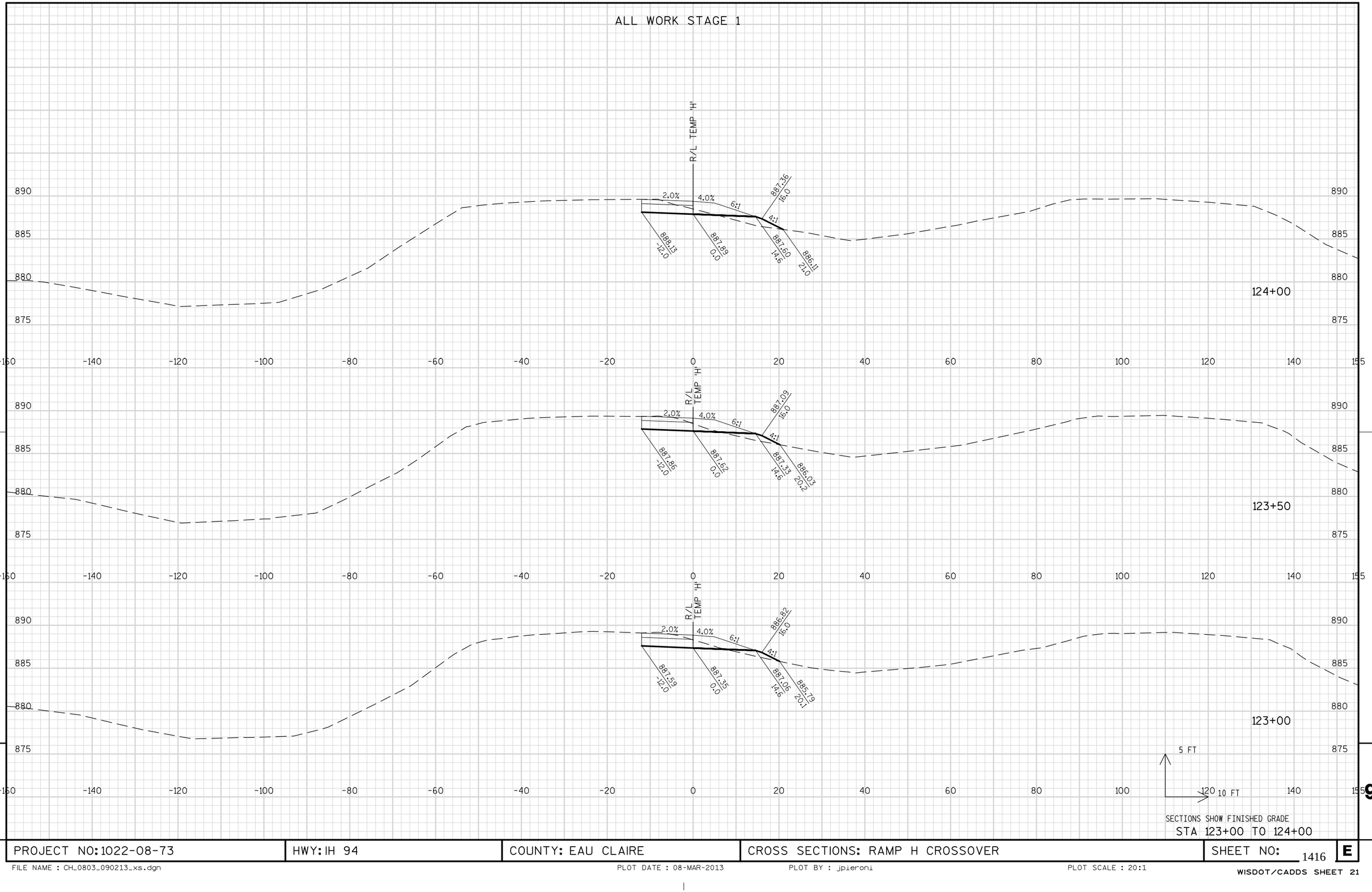
STA 121+50 TO 122+50

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: RAMP H CROSSOVER	SHEET NO: 1415	E

FILE NAME : CH_0803_090213_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 1

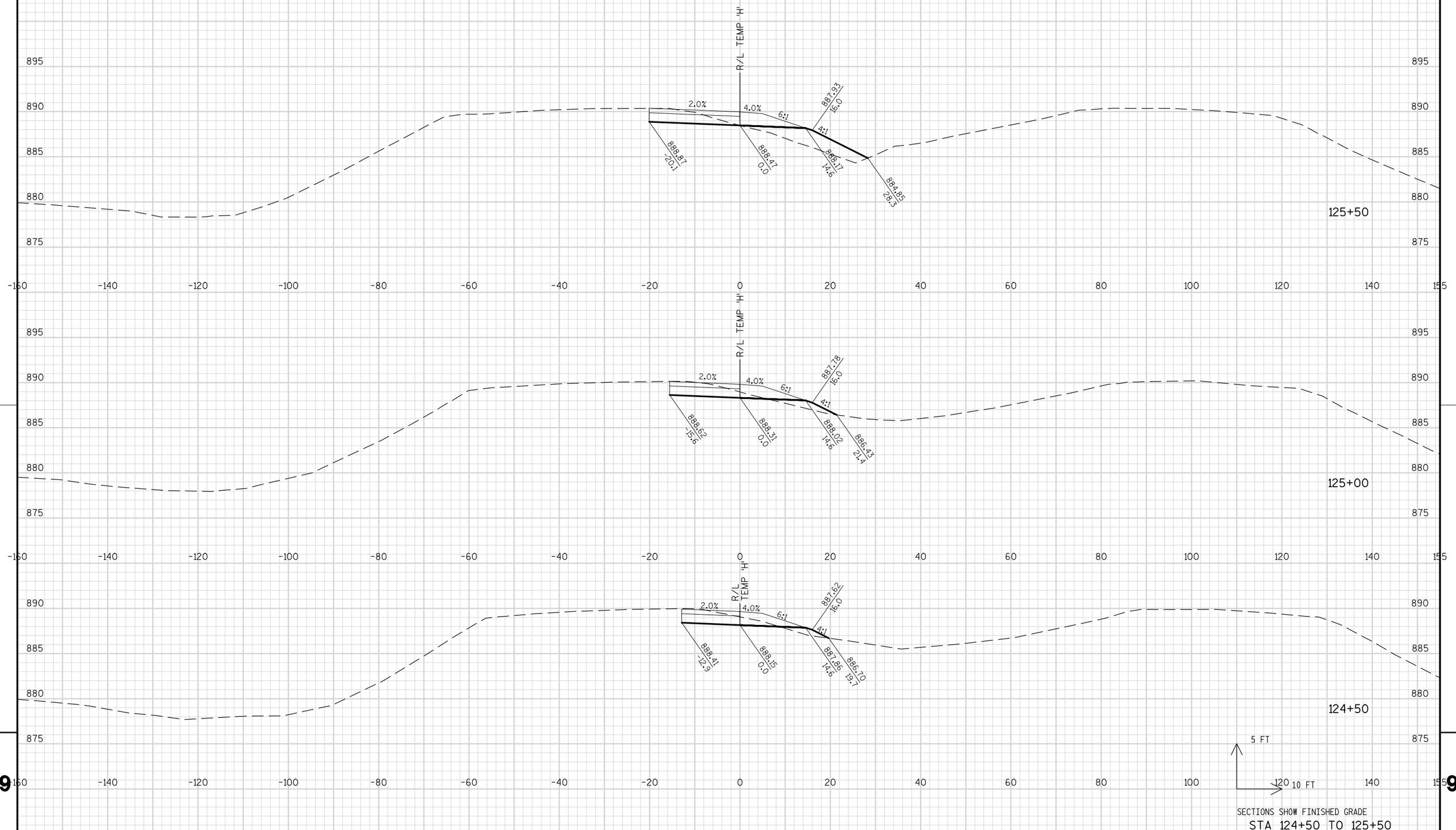


PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: RAMP H CROSSOVER	SHEET NO: 1416	E

FILE NAME : CH_0803_090213_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 1



SECTIONS SHOW FINISHED GRADE

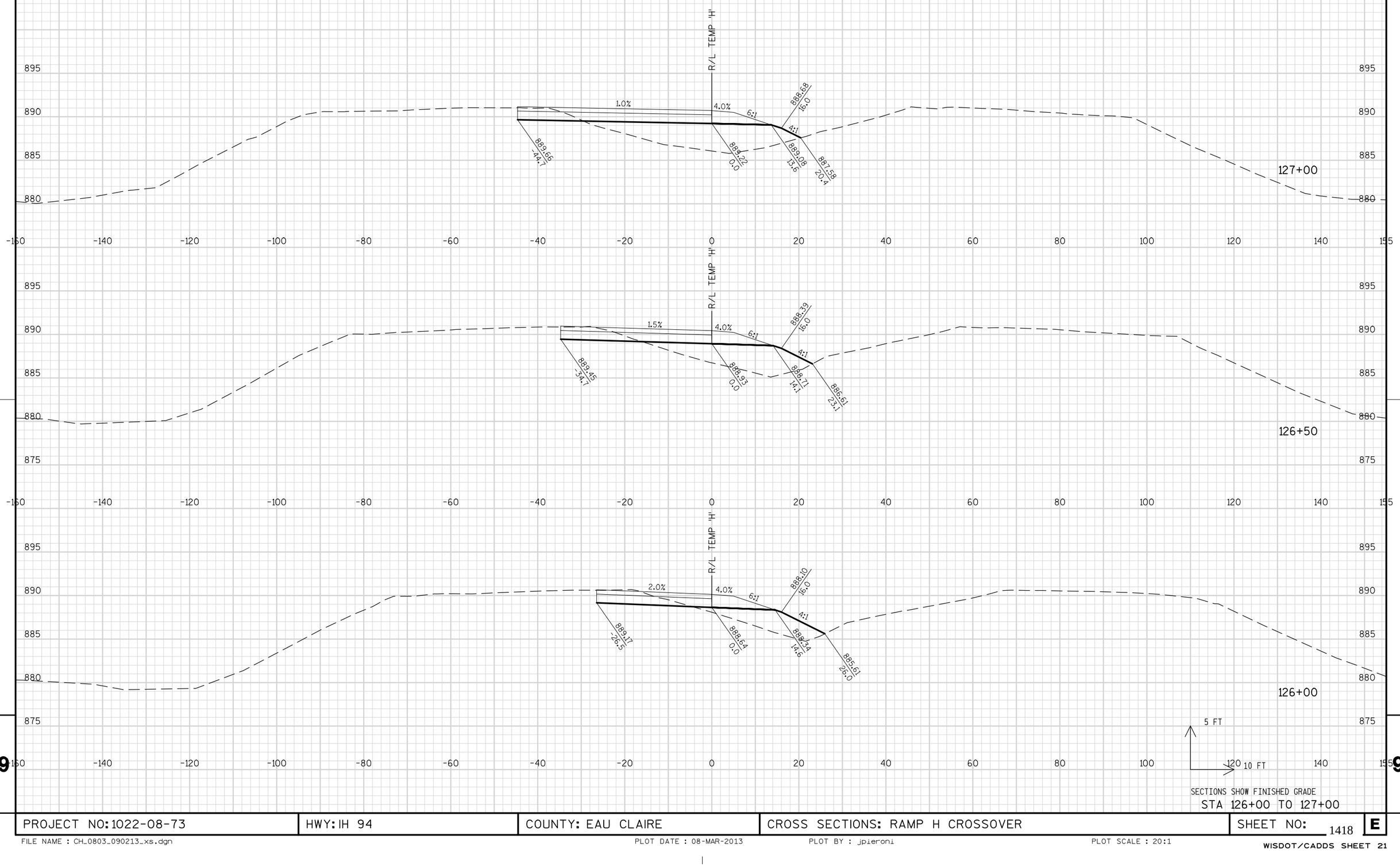
STA 124+50 TO 125+50

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: RAMP H CROSSOVER	SHEET NO: 1417	E

FILE NAME : CH_0803_090213_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 1



SECTIONS SHOW FINISHED GRADE

STA 126+00 TO 127+00

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: RAMP H CROSSOVER	SHEET NO: 1418	E

FILE NAME : CH_0803_090213_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

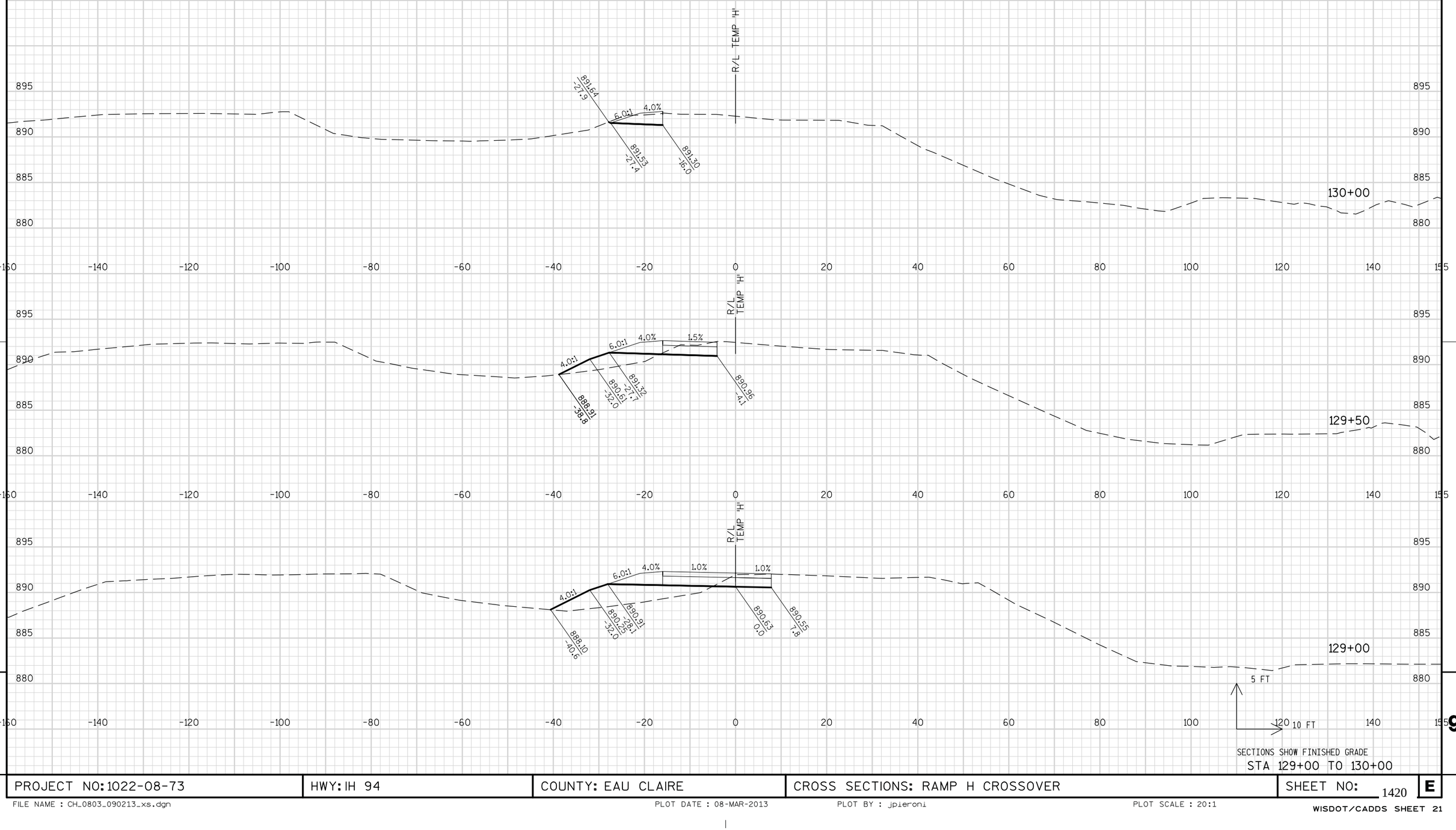
ALL WORK STAGE 1

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: RAMP H CROSSOVER	SHEET NO: 1419 E

FILE NAME : CH_0803_090213_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 1

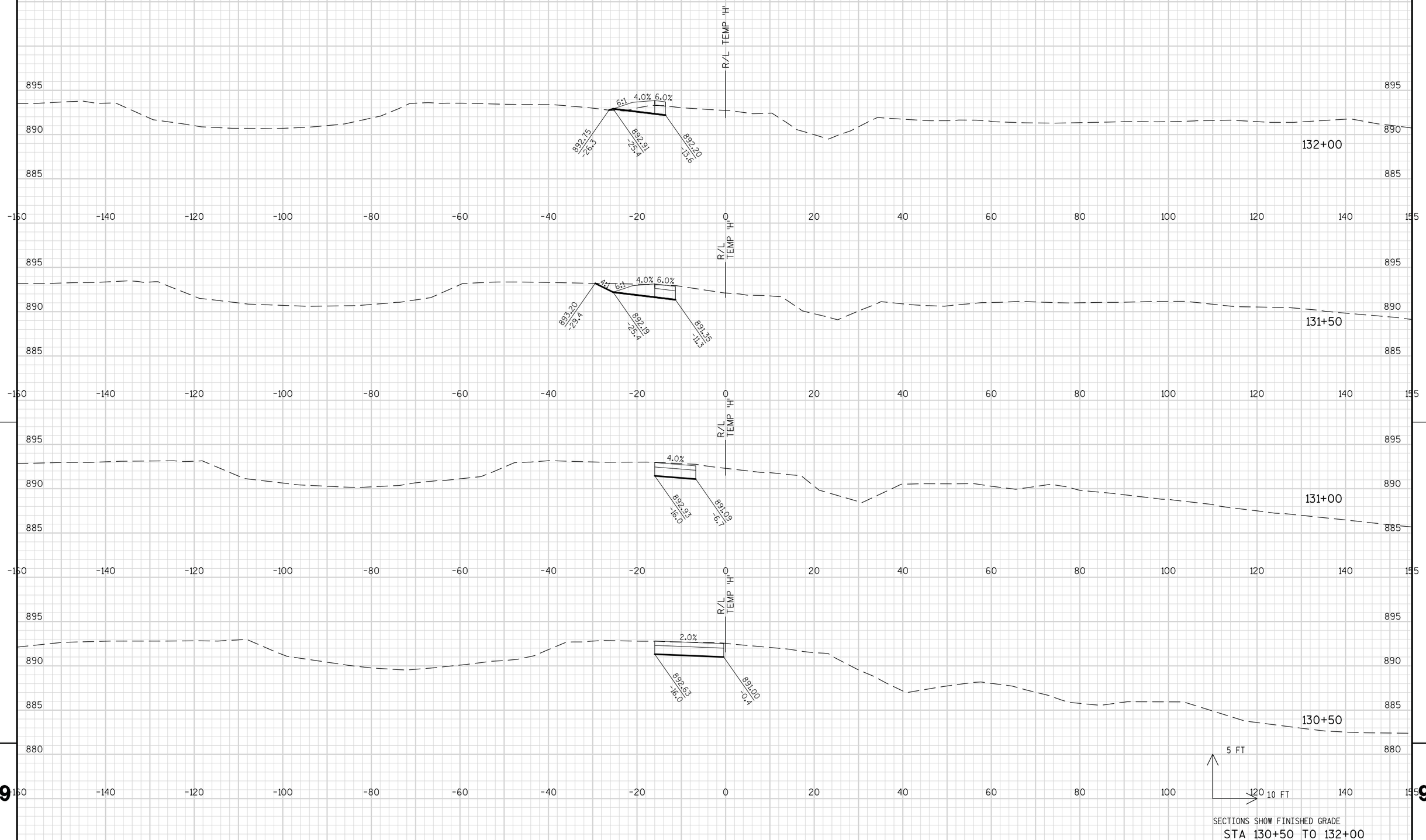


PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: RAMP H CROSSOVER	SHEET NO: 1420	E

FILE NAME : CH_0803_090213_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 1



9

9

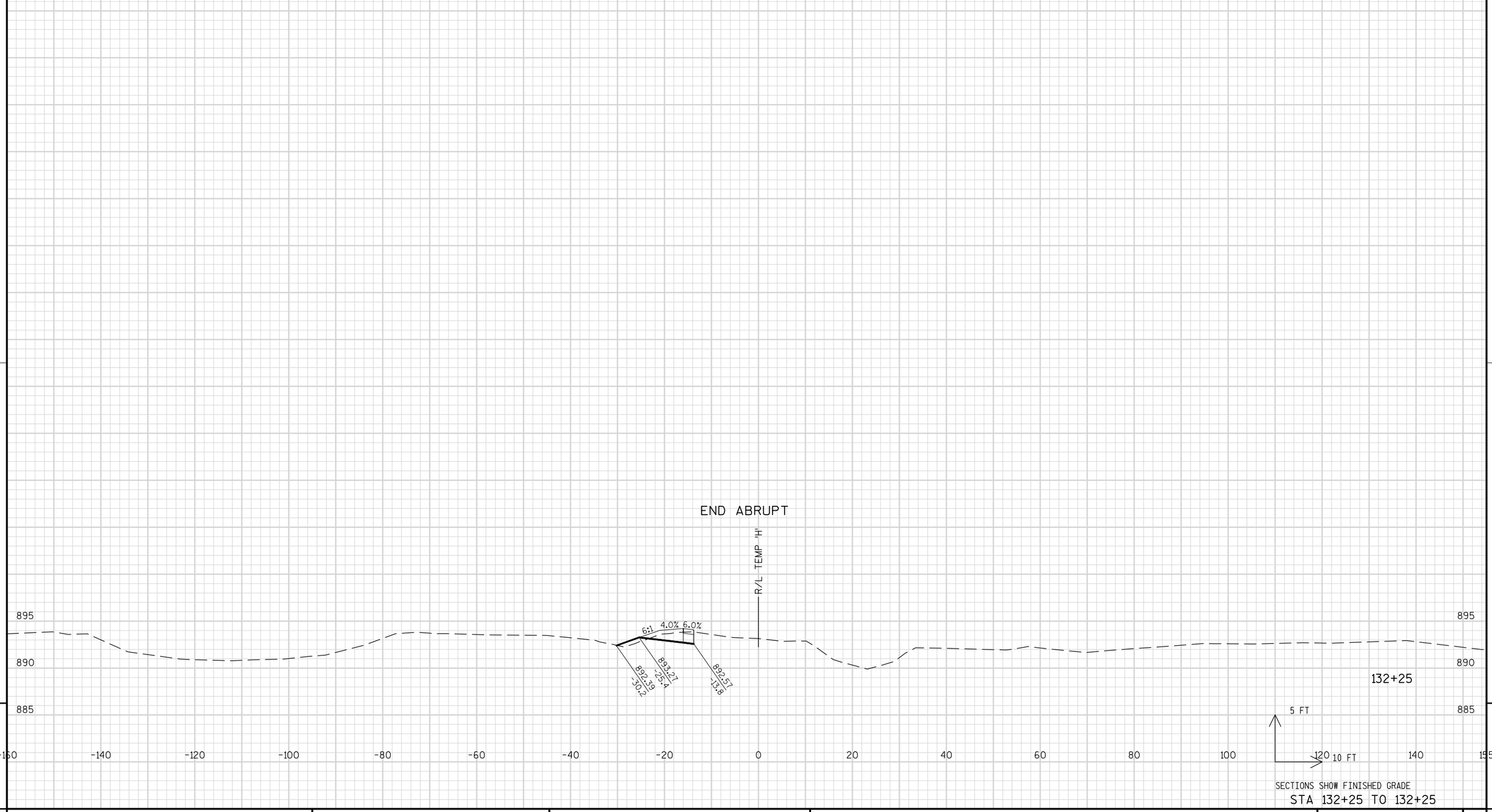
PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: RAMP H CROSSOVER	SHEET NO: 1421	E

FILE NAME : CH_0803_090213_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 1

END ABRUPT



SECTIONS SHOW FINISHED GRADE

STA 132+25 TO 132+25

PROJECT NO: 1022-08-73	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: RAMP H CROSSOVER	SHEET NO: 1422 E

FILE NAME : CH_0803_090213_xs.dgn PLOT DATE : 08-MAR-2013 PLOT BY : jpieroni PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

Notes

Wisconsin Department of Transportation

Dedicated people creating transportation solutions
through innovation and exceptional service.

http://www.dot.wisconsin.gov