PROJECT ID: 3839-03-73

WITH:

COUNTY: WALWORTH

ORDER OF SHEETS

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

TOTAL SHEETS =

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED IMPROVEMENT

VARIOUS BRIDGE LOCATIONS

USH 12

VAR HWY

WALWORTH COUNTY

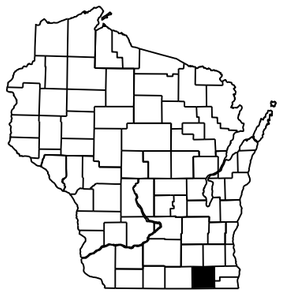
STATE PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
3839-03-73		

30% PLANS

JANUARY 31, 2018

STATE PROJECT NUMBER

3839-03-73



USH 12 (PELL LAKE DRIVE - CTH B)

USH 12 (STH 50 - PELL LAKE DRIVE)

DESIGN DESIGNATION

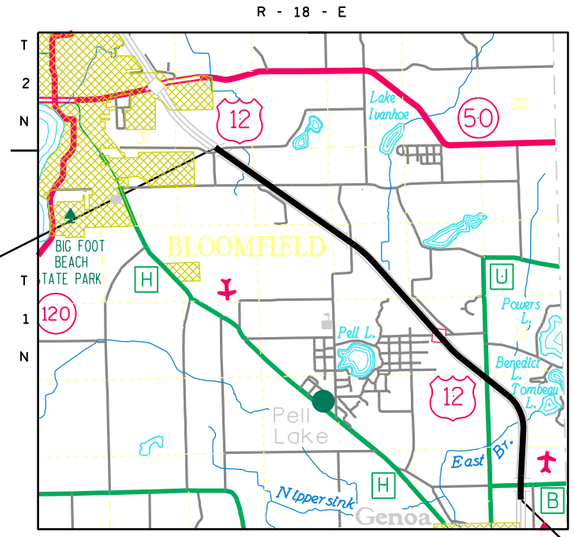
A.A.D.T. 2015	=	9,500	= 13,600
A.A.D.T. 2040	=	11,800	= 17,200
D.H.V.	=	11.2	
D.D.	=	59/41	
T.	=	11.9%	
DESIGN SPEED	=	70 MPH	
ESALS	=		

END PROJECT 3839-03-73

STA 499+75.35

X = 802780.613

Y = 332696.614



BEGIN PROJECT 3839-03-73

STA 161+11.99

X = 823677.655

Y = 308404.217

STRUCTURES

B-64-19
B-64-20
B-64-22
B-64-23
B-64-24
B-64-25
B-64-26
B-64-27

CONVENTIONAL SYMBOLS

PLAN		PROFILE	
CORPORATE LIMITS		GRADE LINE	
PROPERTY LINE		ORIGINAL GROUND	
LOT LINE		MARSH OR ROCK PROFILE (To be noted as such)	ROCK
LIMITED HIGHWAY EASEMENT		SPECIAL DITCH	LABEL
EXISTING RIGHT OF WAY		GRADE ELEVATION	95.36
PROPOSED OR NEW R/W LINE		CULVERT (Profile View)	
SLOPE INTERCEPT		UTILITIES	
REFERENCE LINE		ELECTRIC	E
EXISTING CULVERT		FIBER OPTIC	FO
PROPOSED CULVERT (Box or Pipe)		GAS	G
COMBUSTIBLE FLUIDS	CAUTION	SANITARY SEWER	SAN
MARSH AREA		STORM SEWER	SS
		TELEPHONE	T
WOODED OR SHRUB AREA		WATER	W
		UTILITY PEDESTAL	
		POWER POLE	
		TELEPHONE POLE	

LAYOUT

SCALE 0 1.0 MI.

TOTAL NET LENGTH OF CENTERLINE = 6.414 MI.

ELEVATIONS SHOWN ON THIS PLAN ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988, NAVD 88 (2012).

COORDINATES ON THIS PLAN ARE REFERENCED TO THE WISCONSIN COUNTY COORDINATE SYSTEM (WCCS), WALWORTH COUNTY, NAD 83 (2011).

ORIGINAL PLANS PREPARED BY

HNTB
11414 WEST PARK PLACE
MILWAUKEE, WI 53224
(414) 359-2300

(Date) (Signature)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PREPARED BY

Surveyor	KL ENGINEERING, INC.
Designer	HNTB
Project Manager	CINDY FLOWER, P.E.
Regional Examiner	
Regional Supervisor	
C.O. Examiner	

APPROVED FOR THE DEPARTMENT

DATE: _____ (Signature)

PRE_1

E

GENERAL NOTES

THE CONTRACTOR SHALL CONTACT THE UTILITIES AND DIGGERS HOTLINE TO LOCATE AND FIELD VERIFY UTILITIES PRIOR TO THE START OF WORK. 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. ANY LOCAL, MUNICIPAL OR OTHER UTILITY THAT IS NOT A MEMBER OF DIGGERS HOTLINE SHALL BE CONTACTED SEPERATELY.

EXISTING SURFACE ELEVATIONS SHOWN IN CROSS SECTIONS DOES NOT ACCOUNT FOR ANY PLANNED REHABILITATION/OVERLAY WORK.

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

RIGHT OF WAY LINES SHOWN ON THE CROSS SECTIONS ARE APPROXIMATE.

PROTECT INLETS WITH PROPER INLET PROTECTION AT LOCATIONS EXHIBITING RISK OF BEING IMPACTED BY CONSTRUCTION OPERATIONS AS SHOWN ON THE PLANS, OR AS DIRECTED BY THE ENGINEER.

THE EXACT LOCATIONS OF PRIVATE ENTRANCES ARE TO BE DETERMINED IN THE FIELD BY THE ENGINEER. ALL DRIVEWAYS ARE TO BE REPLACED IN KIND UNLESS OTHERWISE DIRECTED BY THE ENGINEER, OR AS SHOWN ON THE PLANS. BASE AGGREGATE DENSE 1-1/4 INCH SHALL BE USED UNDER ALL DRIVEWAYS.

THE EXACT LOCATION AND WIDTH OF TEMPORARY ACCESS FOR DRIVEWAYS SHALL BE DETERMINED BY THE ENGINEER.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR RESHAPING AND SEEDING ANY PREVIOUSLY GRASSED AREAS WHICH ARE DISTURBED BY ANY OPERATION OUTSIDE OF THE NORMAL CONSTRUCTION LIMITS AT THE CONTRACTOR'S EXPENSE.

RE-TOPSOIL OF GRADED AREAS, AS DESIGNATED BY THE ENGINEER, IMMEDIATELY AFTER GRADING IS COMPLETED WITHIN THOSE AREAS. SEED, FERTILIZER, AND MULCH/EROSION MAT TOP-SOILED AREAS, AS DESIGNATED BY THE ENGINEER, WITHIN FIVE (5) CALENDAR DAYS AFTER PLACEMENT OF TOPSOIL. IF GRADED AREAS ARE LEFT EXPOSED FOR MORE THAN FIVE (5) CALENDAR DAYS, SEED THOSE AREAS WITH TEMPORARY SEED.

EROSION BALES ARE TO ONLY BE USED FOR REINFORCEMENT OF PROPOSED SILT FENCE LOCATIONS ALONG WETLANDS. ANY OTHER USE OF EROSION BALES IS PROHIBITED.

STOCKPILE EXCESS MATERIAL OR SPOILS ON UPLAND AREAS AWAY FROM WETLANDS, FLOODPLAINS AND WATERWAYS. STOCKPILED SOIL SHALL BE PROTECTED AGAINST EROSION. IF STOCKPILED MATERIAL IS LEFT FOR MORE THAN FOURTEEN (14) CALENDAR DAYS, SEED THE STOCKPILE WITH TEMPORARY SEED.

EROSION CONTROL DEVICES ARE AT SUGGESTED LOCATIONS. THE ACTUAL LOCATIONS WILL BE DETERMINED BY THE CONTRACTORS ECIP AND BY THE ENGINEER. EROSION CONTROL BMP'S SHALL BE MAINTAINED UNTIL PERMANENT VEGETATION IS ESTABLISHED OR UNTIL THE ENGINEER DETERMINES THAT THE BMP IS NO LONGER REQUIRED.

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

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

CURB AND GUTTER GRADES ARE GIVEN TO THE FLANGE. CURB AND GUTTER RADII ARE MEASURED TO THE FLANGE

FERTILIZER SHALL NOT BE USED NEAR NAVIGABLE WATERWAYS OR WETLANDS.

BROKEN CONCRETE CONTAINING STEEL SHALL NOT BE USED AS RIPRAP OR HEAVY RIPRAP.

THE REMOVAL OF MESH MATERIAL THAT IS FOUND IN EXISTING PAVEMENT WILL BE INCIDENTAL TO THE REMOVAL OF THE PAVEMENT ITEM IN THAT SECTION.

REMOVAL OF EROSION CONTROL DEVICES IS INCIDENTAL TO THE COST OF THEIR RESPECTIVE BID ITEMS.

EROSION CONTROL DEVICES SHALL BE PLACED IN SEQUENCE WITH CONSTRUCTION OPERATIONS OR AS DETERMINED BY THE ENGINEER

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

SIGNS IN CONFLICT WITH TRAFFIC CONTROL "IN USE" SHALL BE COVERED AS DIRECTED BY THE ENGINEER AND PAID FOR UNDER THE ITEM "TRAFFIC CONTROL COVERING SIGNS TYPE 1 OR TYPE 2."

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

BENCHMARK LOCATIONS SHOWN ON PLAN ARE APPROXIMATE AND SHOULD BE VERIFIED.

EXCAVATION REQUIRED FOR ALL SIGN STRUCTURES, BRIDGES, AND RETAINING WALLS IS NOT INCLUDED IN THE COMPUTER EARTHWORK AND IS INCIDENTAL TO THE PERTINANENT STRUCTURE ITEMS. SEE STRUCTURE PLANS FOR ADDITIONAL GUIDANCE ON REQUIRED EXCAVATION LIMITS.

EXISTING SIGNING TO REMAIN IN PLACE UNTIL NEW SIGNING IS IN PLACE.

CONTRACTOR MUST CONTACT THE PROJECT ENGINEER AND SEWRPC AT LEAST TWO (2) WEEKS PRIOR TO WORK NEAR ANY PUBLIC SURVEY MONUMENT.

ABBREVIATIONS

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

2

UTILITY CONTACTS

FORTHCOMING

DESIGN CONTACTS

PAT CASHIN
HNTB CORPORATION
11414 W. PARK PLACE, SUITE 300
MILWAUKEE, WI 53224
414-410-6729

CYNTHIA FLOWER, P.E.
30% DESIGN PROJECT MANAGER
WISDOT SE REGION
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PUBLIC WORKS DIRECTOR
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GENOA CITY
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GENOA CITY PUBLIC WORKS SUPERINTENDEN
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TOWN OF LYONS
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TOWN ENGINEER
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LYONS, WI 53148

VILLAGE OF BLOOMFIELD
FRED KLAUBUNDE
ROADS SUPERVISOR
PO BOX 609
PELL LAKE, WI 53157
(262) 279-5783
Highway@bloomfield-wi.us

DNR AREA LIAISON

CRAIG WEBSTER
WISCONSIN DEPARTMENT OF NATURAL RESOURCES
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WAUKESHA, WI 53188
262-574-2141
craig.webster@wi.gov

ORDER OF SECTION 2 DETAIL SHEETS

2

2

WALWORTH STREET

VILLAGE OF GENOA CITY

SOUTH MEDIAN CROSSOVER.
LOCATION TBD.

95 100 105 110 115 120 125 130 135 140 145 150 155

USH 12

℄ USH 12

TOWN
OF
BLOOMFIELD

TOWN
OF
BLOOMFIELD

TOWN
OF
BLOOMFIELD

VILLAGE OF GENOA CITY

PROJECT NO: 3839-03-73	HWY: USH 12	COUNTY: WALWORTH	PROJECT OVERVIEW	SHEET	E

PRE_4

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WISDOT/CADDS SHEET 42

2

2

N

TOWN
OF
BLOOMFIELD

CTH B

40CB

45CB

BEGIN CONSTRUCTION
STA 45CB+00.00

END CONSTRUCTION
STA 168+83.05

B-64-19

VILLAGE OF GENOA CITY

NIPPERSINK CREEK

160 170 175 180 185 190 195 200 205 210 215

USH 12

℄ USH 12

B-64-20

BEGIN CONSTRUCTION
STA 205+72.99

END CONSTRUCTION
STA 214+01.09

TOWN
OF
BLOOMFIELD

VILLAGE OF GENOA CITY

55CB

END CONSTRUCTION
STA 54CB+00.00

℄ CB

BEGIN PROJECT 3839-03-73
STA 161+11.99

VILLAGE
OF
BLOOMFIELD

TOWN OF BLOOMFIELD

PROJECT NO: 3839-03-73	HWY: USH 12	COUNTY: WALWORTH	PROJECT OVERVIEW	SHEET E

PRE_5

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PROJECT NO: 3839-03-73	HWY: USH 12	COUNTY: WALWORTH	PROJECT OVERVIEW	SHEET E

PRE_6

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WISDOT/CADDS SHEET 42

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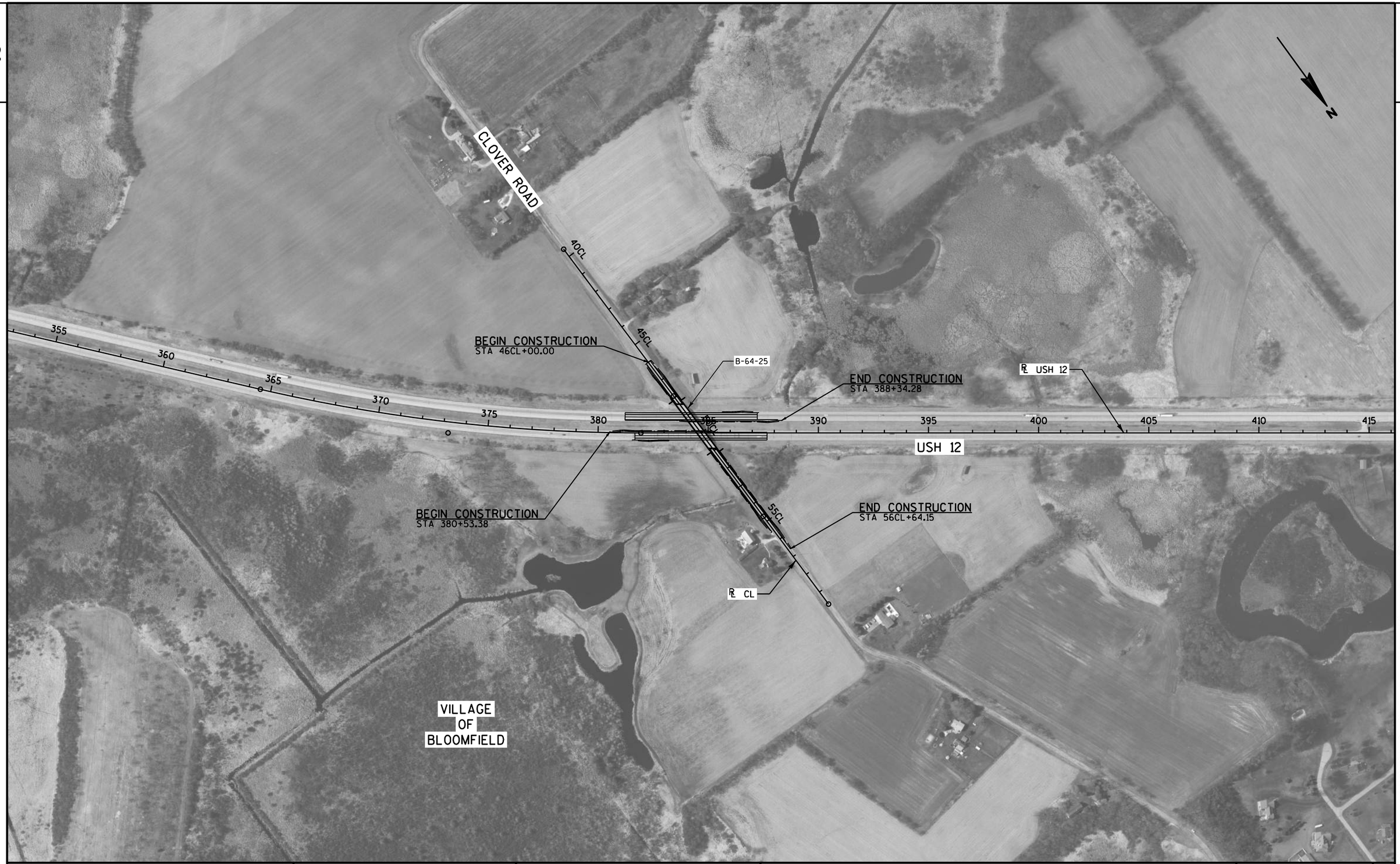

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PROJECT NO: 3839-03-73	HWY: USH 12	COUNTY: WALWORTH	PROJECT OVERVIEW	SHEET	E

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WISDOT/CADDS SHEET 42

2

2

VILLAGE OF BLOOMFIELD

E. BLOOMFIELD ROAD

TOWN OF BLOOMFIELD

BEGIN CONSTRUCTION
STA 448+75.66

℄ BL

BEGIN CONSTRUCTION
STA 44BL+68.41

458L

B-64-26

END CONSTRUCTION
STA 457+44.93

℄ USH 12

BEGIN CONSTRUCTION
STA 492+03.15

℄ TL

BEGIN CONSTRUCTION
STA 45TL+56.94

401L

457L

B-64-27

CITY OF LAKE GENEVA

445 450 455 460 465 470 475 480 485 490 495 500 505

USH 12

480L

495L

END CONSTRUCTION
STA 53TL+67.59

551L

END CONSTRUCTION
STA 54BL+28.95

N. TOWNLINE ROAD

END PROJECT 3839-03-73
STA 499+75.35

TOWN OF LYONS

PROJECT NO: 3839-03-73	HWY: USH 12	COUNTY: WALWORTH	PROJECT OVERVIEW	SHEET E

PRE_8

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WISDOT/CADDS SHEET 42

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PROJECT NO: 3839-03-73	HWY: USH 12	COUNTY: WALWORTH	PROJECT OVERVIEW	SHEET E

PRE_9

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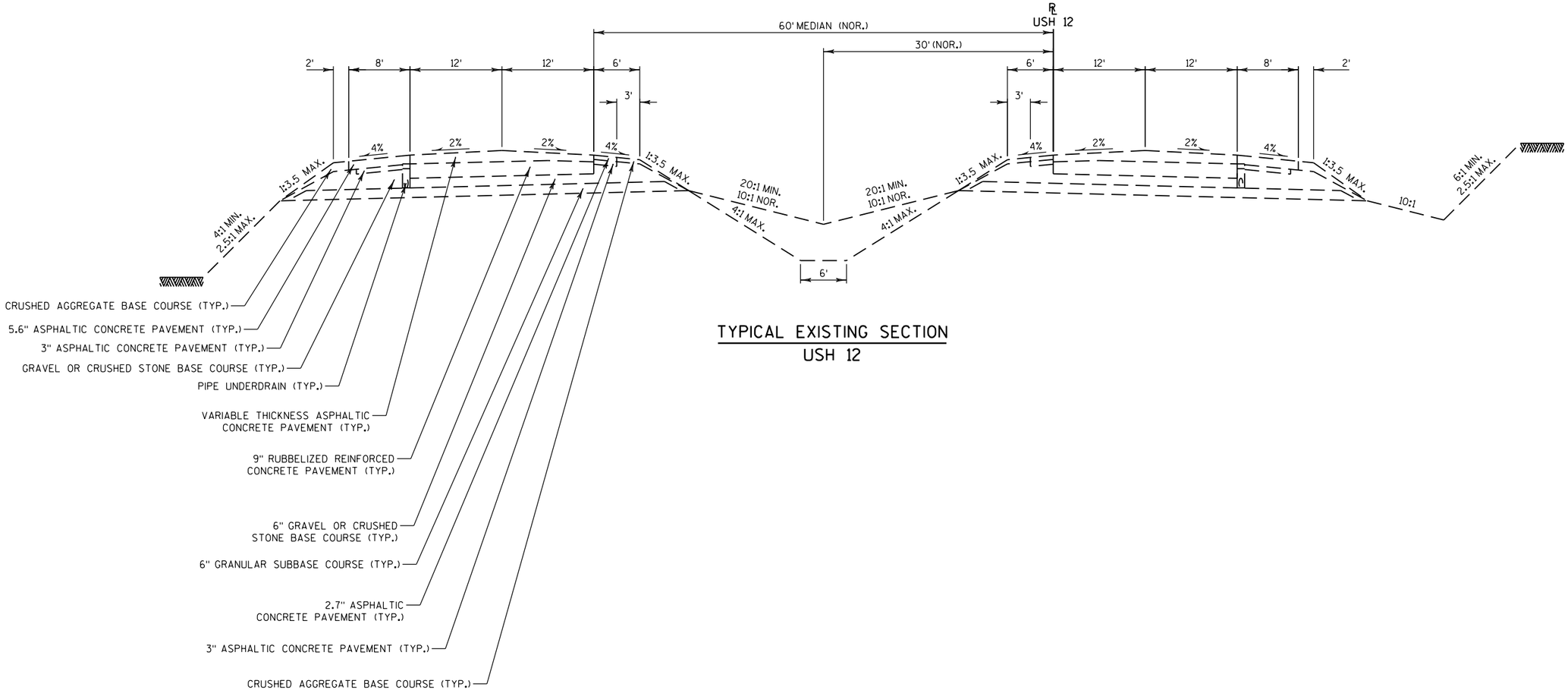

TYPICAL EXISTING SECTION
USH 12

PROJECT NO: 3839-03-73	HWY: USH 12	COUNTY: WALWORTH	TYPICAL SECTIONS	SHEET	E

PRE_10

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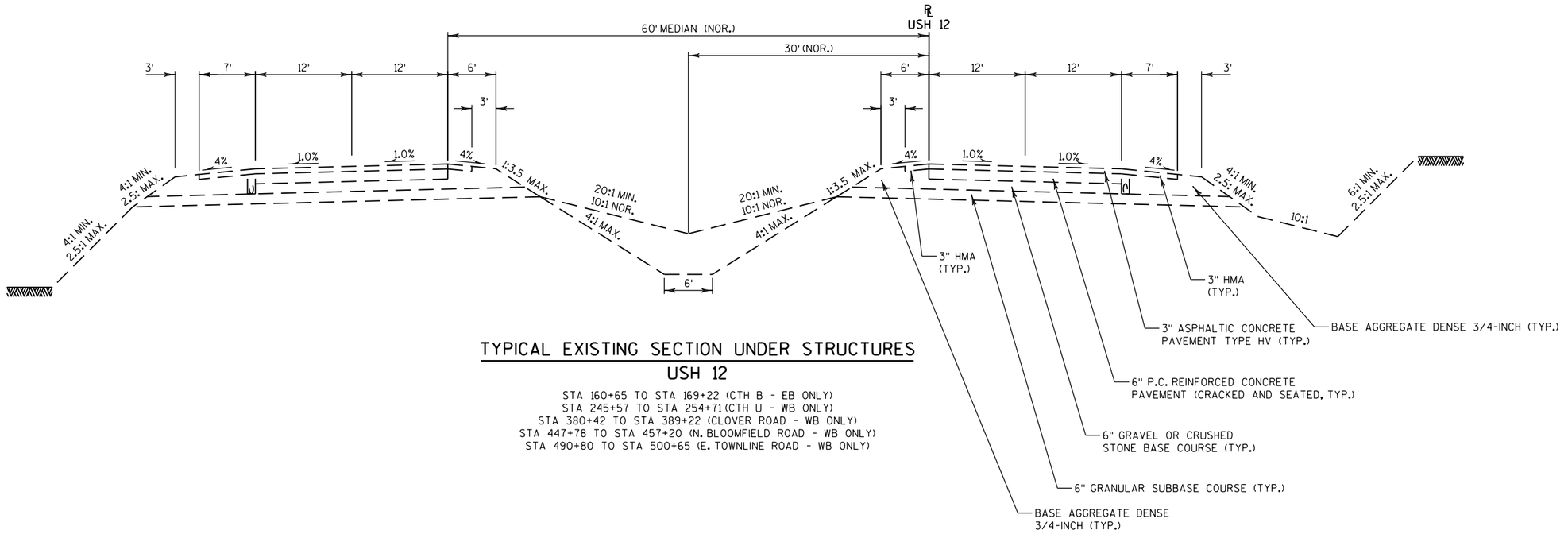
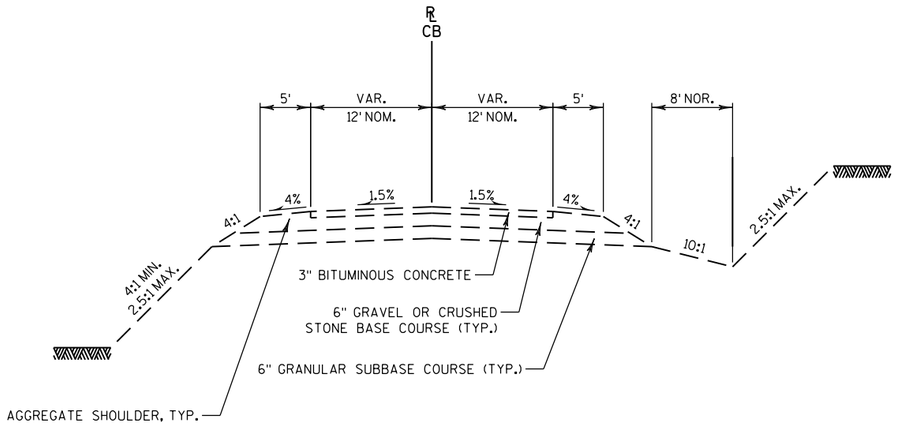


TYPICAL EXISTING SECTION UNDER STRUCTURES

USH 12

STA 160+65 TO STA 169+22 (CTH B - EB ONLY)
STA 245+57 TO STA 254+71 (CTH U - WB ONLY)
STA 380+42 TO STA 389+22 (CLOVER ROAD - WB ONLY)
STA 447+78 TO STA 457+20 (N. BLOOMFIELD ROAD - WB ONLY)
STA 490+80 TO STA 500+65 (E. TOWNLINE ROAD - WB ONLY)

2



TYPICAL EXISTING SECTION
CTH B

PROJECT NO: 3839-03-73	HWY: USH 12	COUNTY: WALWORTH	TYPICAL SECTIONS	SHEET	E

PRE_12

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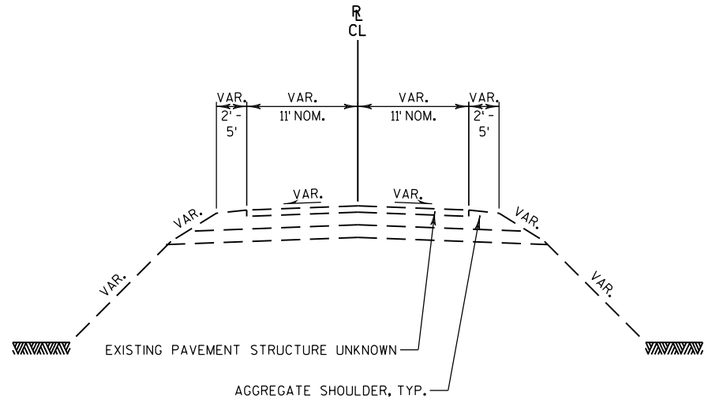

TYPICAL EXISTING SECTION
CLOVER ROAD

PROJECT NO: 3839-03-73	HWY: USH 12	COUNTY: WALWORTH	TYPICAL SECTIONS	SHEET	E

PRE_13

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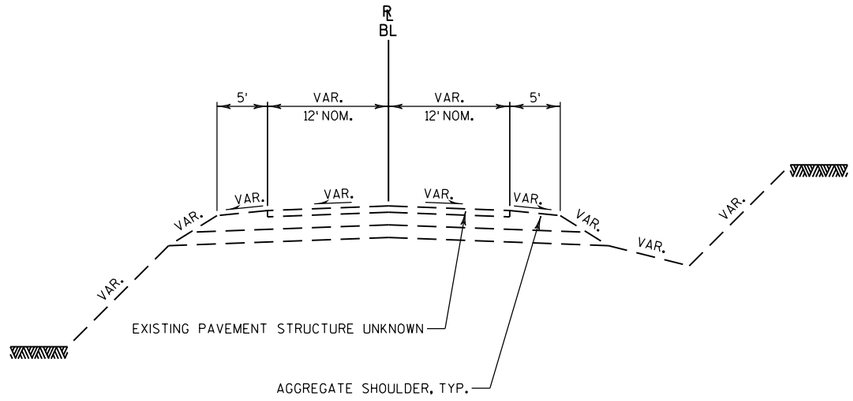
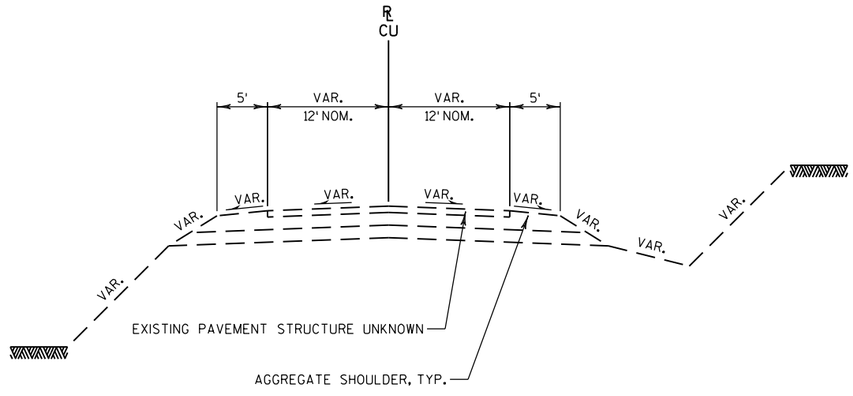


TYPICAL EXISTING SECTION
N. BLOOMFIELD ROAD



TYPICAL EXISTING SECTION
CTH U

PROJECT NO: 3839-03-73	HWY: USH 12	COUNTY: WALWORTH	TYPICAL SECTIONS	SHEET	E

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STHDOT/CADDS SHEET 42

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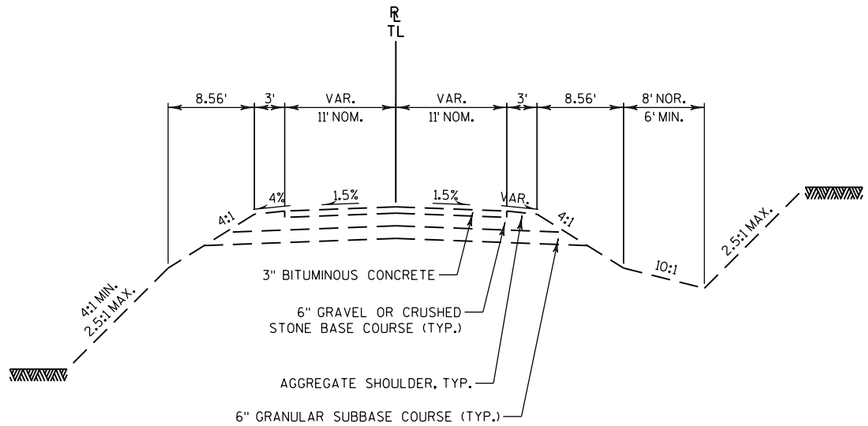
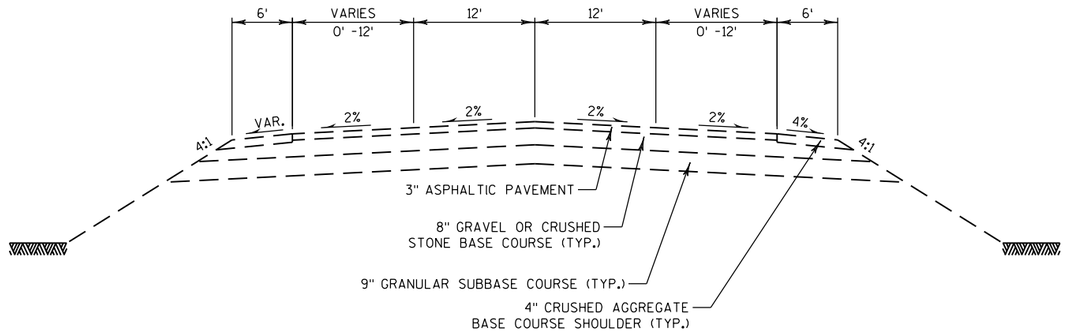


TYPICAL EXISTING SECTION
E. TOWNLINE ROAD

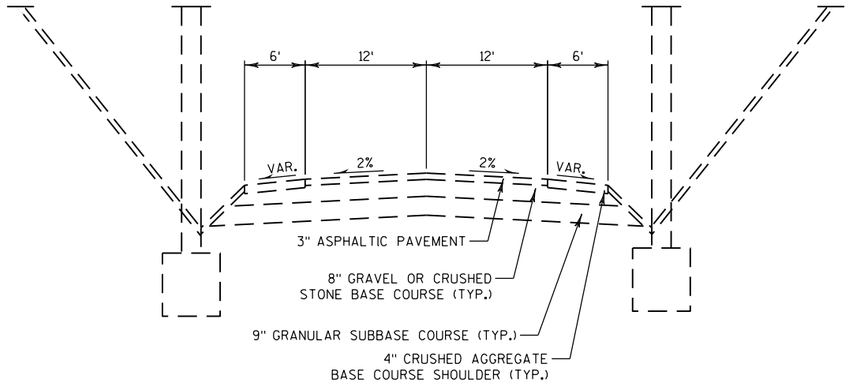
PROJECT NO: 3839-03-73	HWY: USH 12	COUNTY: WALWORTH	TYPICAL SECTIONS	SHEET	E

PRE_15

2



TYPICAL EXISTING SECTION
PELL LAKE DRIVE

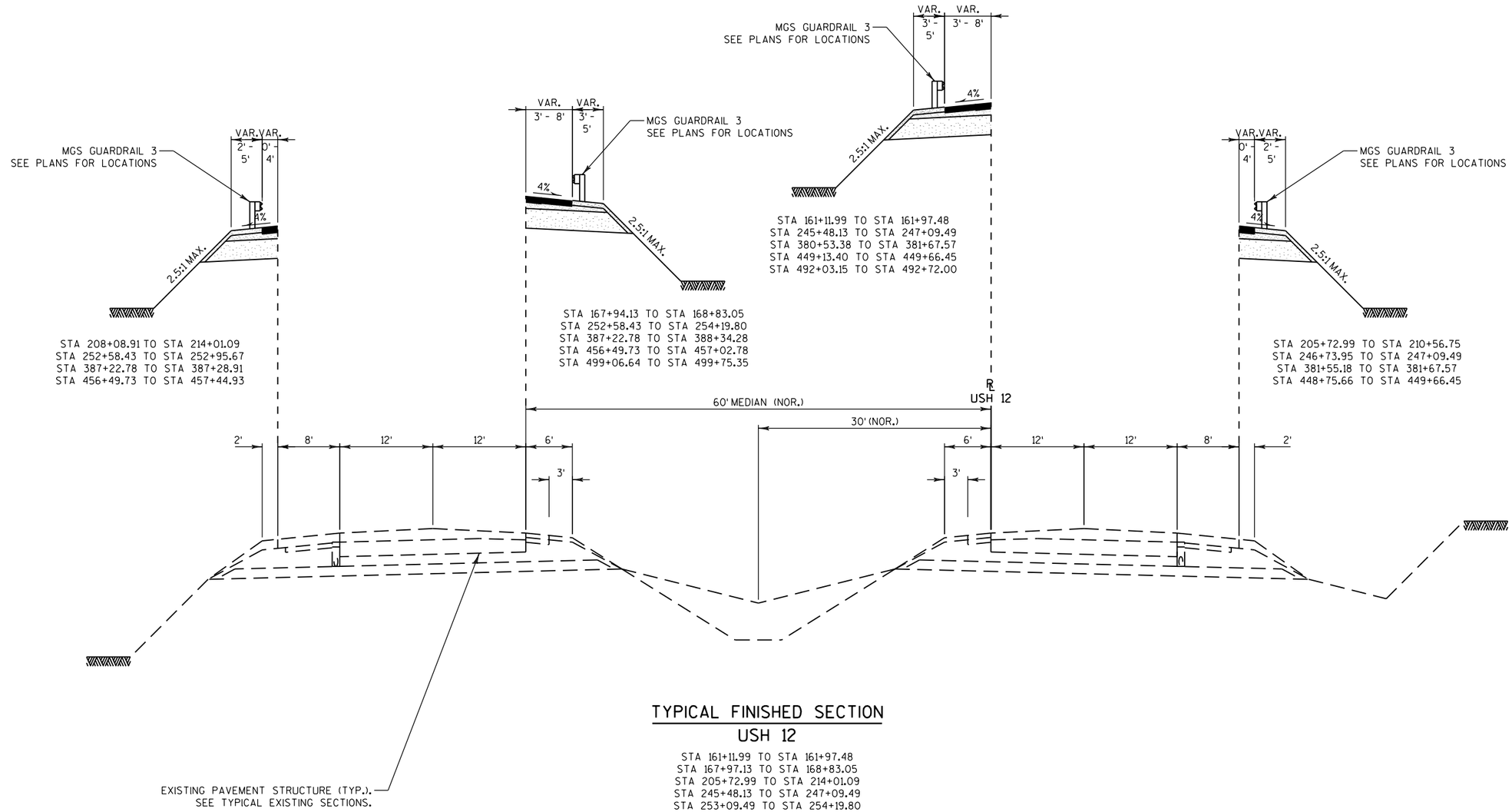


TYPICAL EXISTING SECTION
PELL LAKE DRIVE
SECTION UNDER BRIDGES

PROJECT NO: 3839-03-73	HWY: USH 12	COUNTY: WALWORTH	TYPICAL SECTIONS	SHEET	E

PRE_16

2



TYPICAL FINISHED SECTION
USH 12

STA 161+11.99 TO STA 161+97.48
STA 167+97.13 TO STA 168+83.05
STA 205+72.99 TO STA 214+01.09
STA 245+48.13 TO STA 247+09.49
STA 253+09.49 TO STA 254+19.80
STA 380+53.38 TO STA 381+67.57
STA 387+67.57 TO STA 388+34.28
STA 448+75.66 TO STA 449+66.45
STA 455+66.45 TO STA 457+44.93
STA 492+03.15 TO STA 492+72.00
STA 498+72.00 TO STA 499+75.35

PROJECT NO: 3839-03-73	HWY: USH 12	COUNTY: WALWORTH	TYPICAL SECTIONS	SHEET	E

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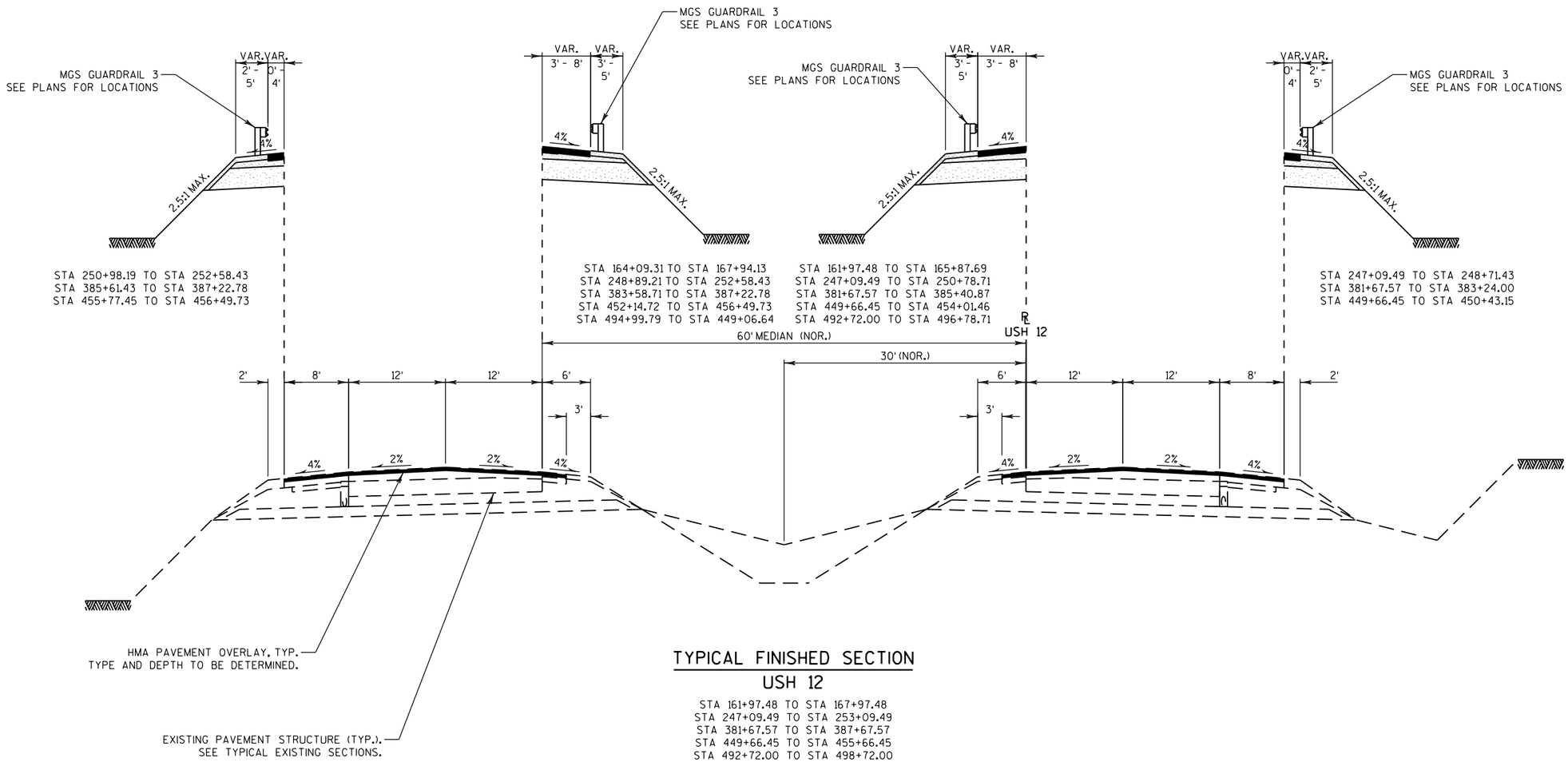


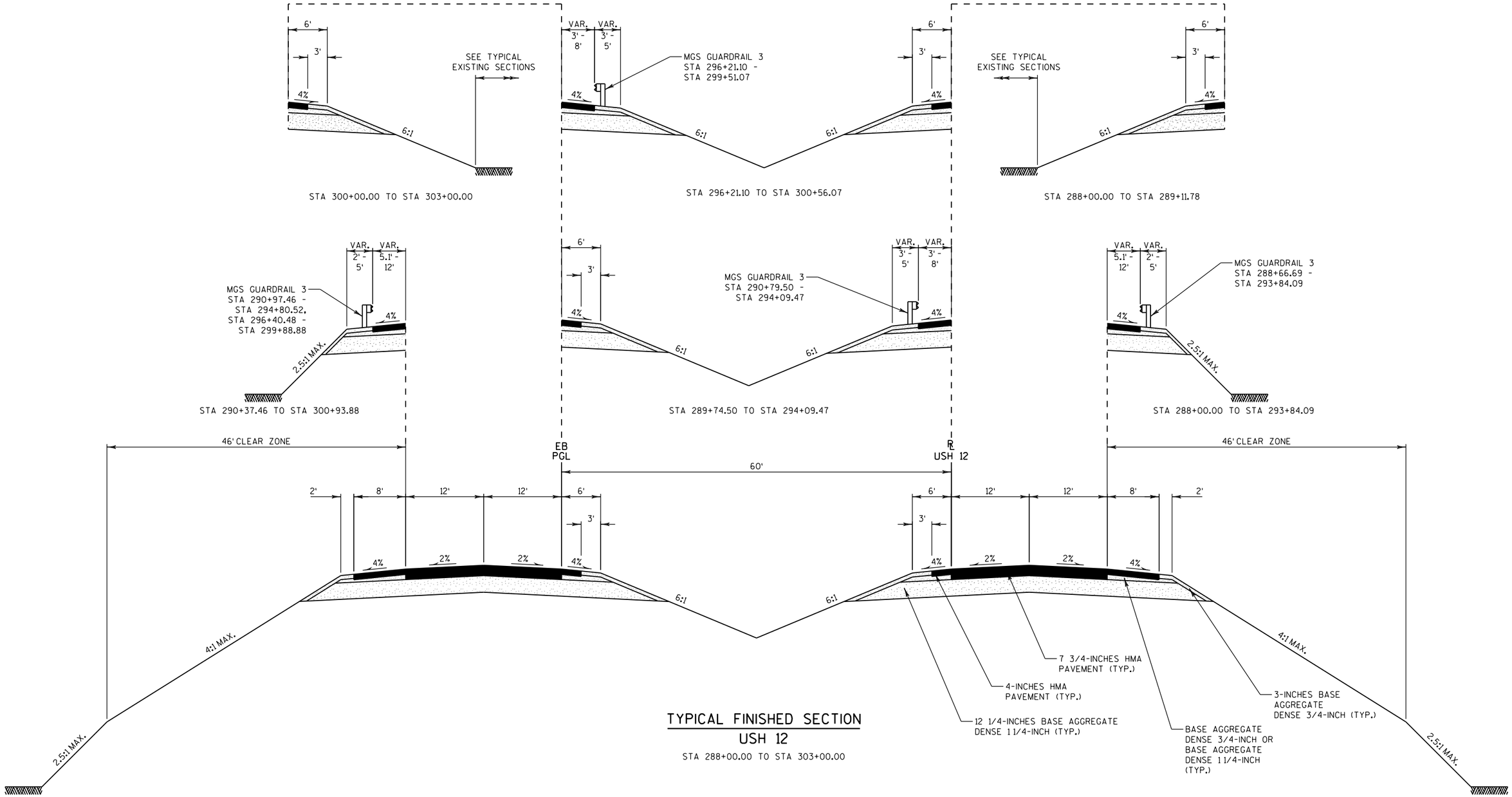
TYPICAL FINISHED SECTION
USH 12

STA 161+97.48 TO STA 167+97.48
STA 247+09.49 TO STA 253+09.49
STA 381+67.57 TO STA 387+67.57
STA 449+66.45 TO STA 455+66.45
STA 492+72.00 TO STA 498+72.00

NOTE:
PAVEMENT STRUCTURE SHOWN IS PRELIMINARY. FINAL PAVEMENT STRUCTURE IS TO BE DETERMINED.

PROJECT NO: 3839-03-73	HWY: USH 12	COUNTY: WALWORTH	TYPICAL SECTIONS	SHEET	E

2



TYPICAL FINISHED SECTION
USH 12
STA 288+00.00 TO STA 303+00.00

NOTE:
PAVEMENT STRUCTURE SHOWN IS PRELIMINARY. FINAL PAVEMENT STRUCTURE IS TO BE DETERMINED.

PROJECT NO: 3839-03-73	HWY: USH 12	COUNTY: WALWORTH	TYPICAL SECTIONS	SHEET	E

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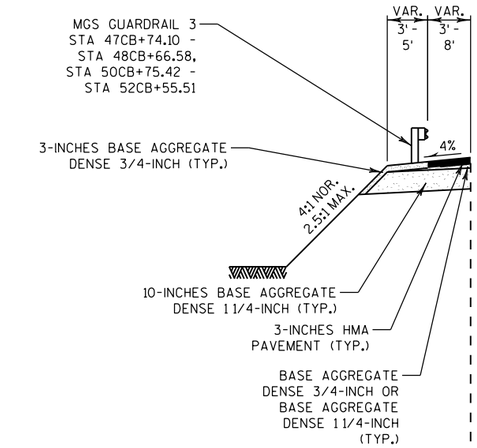
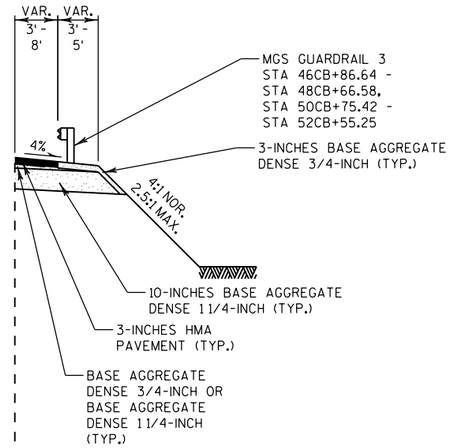
STHDOT/CADDS SHEET 42

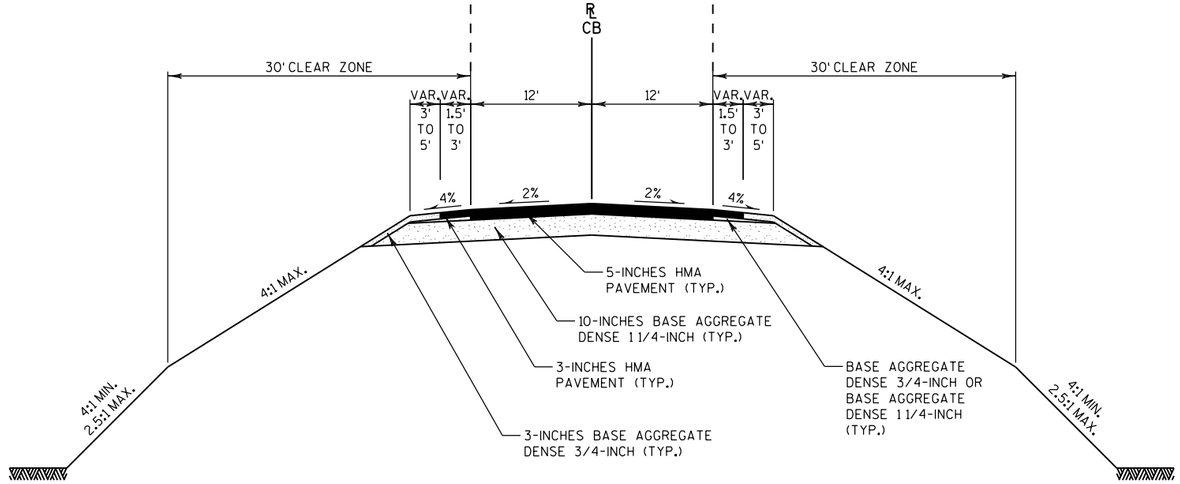
2



STA 46CB+95.35 TO STA 52CB+55.47



STA 45CB+81.56 TO STA 53CB+60.25



TYPICAL FINISHED SECTION
CTH B

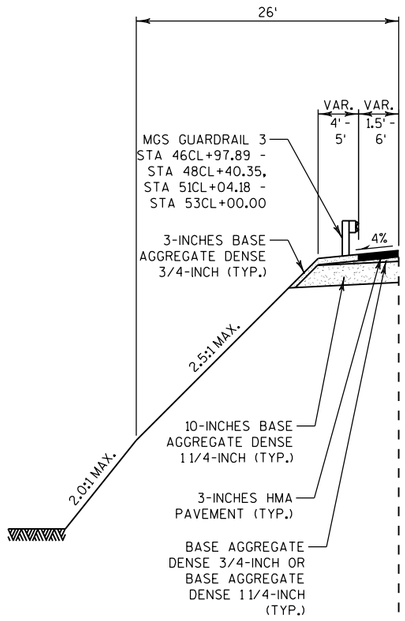
STA 45CB+00.00 TO STA 54CB+00.00

NOTE:
PAVEMENT STRUCTURE SHOWN IS PRELIMINARY. FINAL PAVEMENT STRUCTURE IS TO BE DETERMINED.

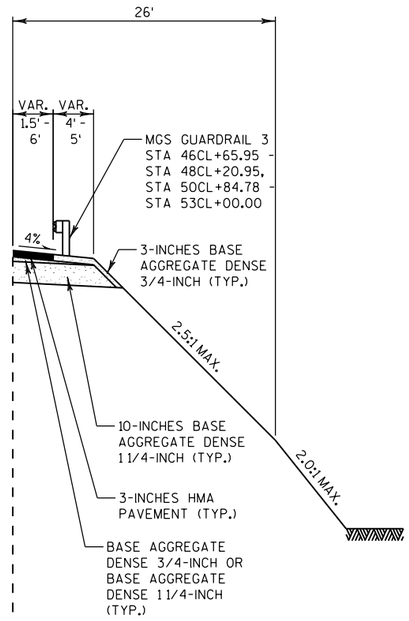
PROJECT NO: 3839-03-73	HWY: USH 12	COUNTY: WALWORTH	TYPICAL SECTIONS	SHEET	E

PRE_20

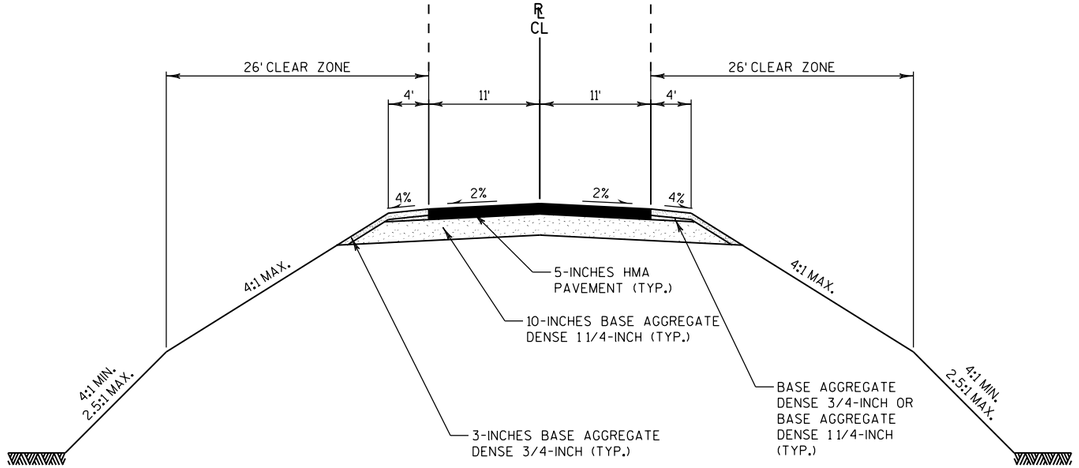
2



STA 46CL+000.00 TO STA 53CL+00.00



STA 46CL+000.00 TO STA 53CL+00.00



TYPICAL FINISHED SECTION
CLOVER ROAD

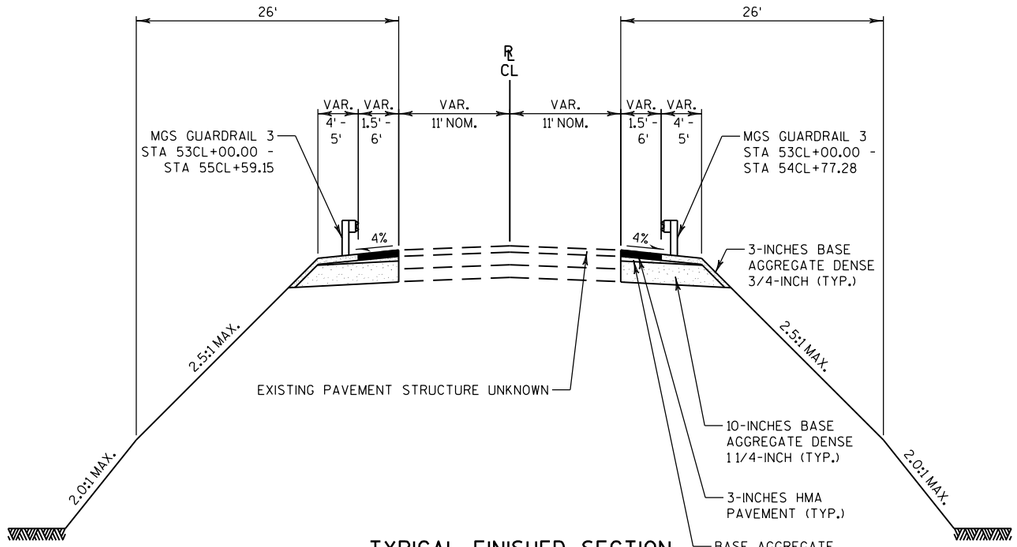
STA 46CL+00.00 TO STA 53CL+00.00

NOTE:
PAVEMENT STRUCTURE SHOWN IS PRELIMINARY. FINAL PAVEMENT STRUCTURE IS TO BE DETERMINED.

PROJECT NO: 3839-03-73	HWY: USH 12	COUNTY: WALWORTH	TYPICAL SECTIONS	SHEET	E

PRE_21

2



TYPICAL FINISHED SECTION

CLOVER ROAD

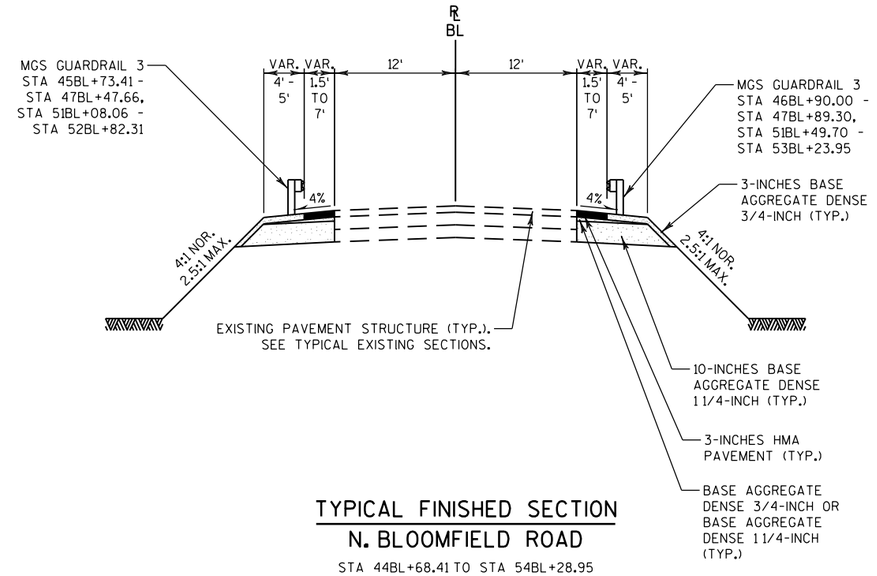
STA 53CL+00.00 TO STA 56CL+64.15

NOTE:
PAVEMENT STRUCTURE SHOWN IS PRELIMINARY. FINAL PAVEMENT STRUCTURE IS TO BE DETERMINED.

PROJECT NO: 3839-03-73	HWY: USH 12	COUNTY: WALWORTH	TYPICAL SECTIONS	SHEET	E

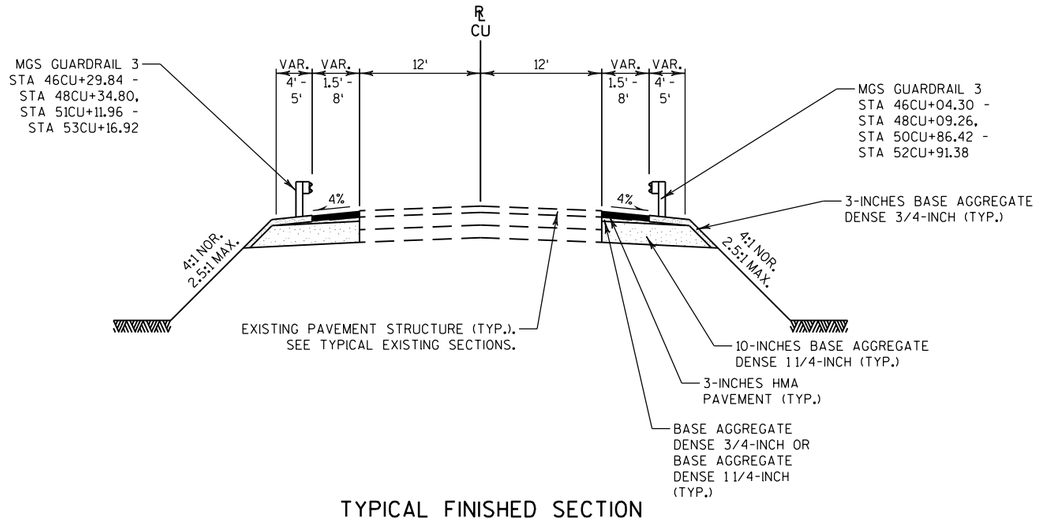
PRE_22

2



TYPICAL FINISHED SECTION
N. BLOOMFIELD ROAD

STA 44BL+68.41 TO STA 54BL+28.95

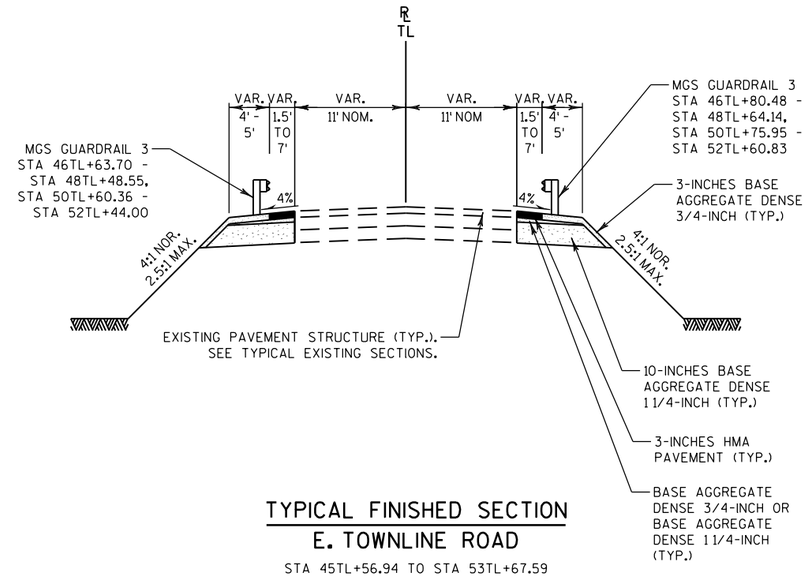


TYPICAL FINISHED SECTION
CTH U

STA 45CU+03.96 TO STA 53CU+91.72

NOTE:
PAVEMENT STRUCTURE SHOWN IS PRELIMINARY. FINAL PAVEMENT STRUCTURE IS TO BE DETERMINED.

2



TYPICAL FINISHED SECTION
E. TOWNLINE ROAD

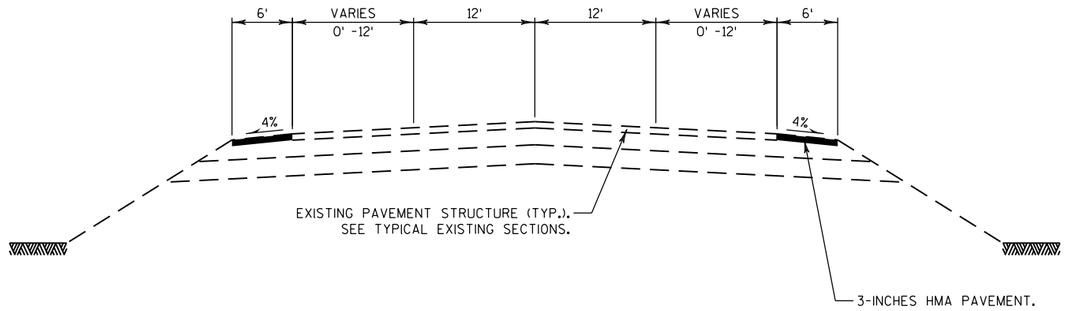
STA 45TL+56.94 TO STA 53TL+67.59

NOTE:
PAVEMENT STRUCTURE SHOWN IS PRELIMINARY. FINAL PAVEMENT STRUCTURE IS TO BE DETERMINED.

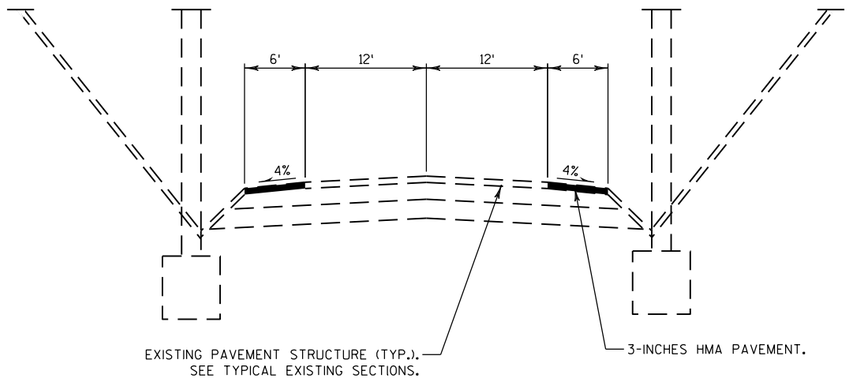
PROJECT NO: 3839-03-73	HWY: USH 12	COUNTY: WALWORTH	TYPICAL SECTIONS	SHEET	E

PRE_24

2



TYPICAL FINISHED SECTION
PELL LAKE DRIVE

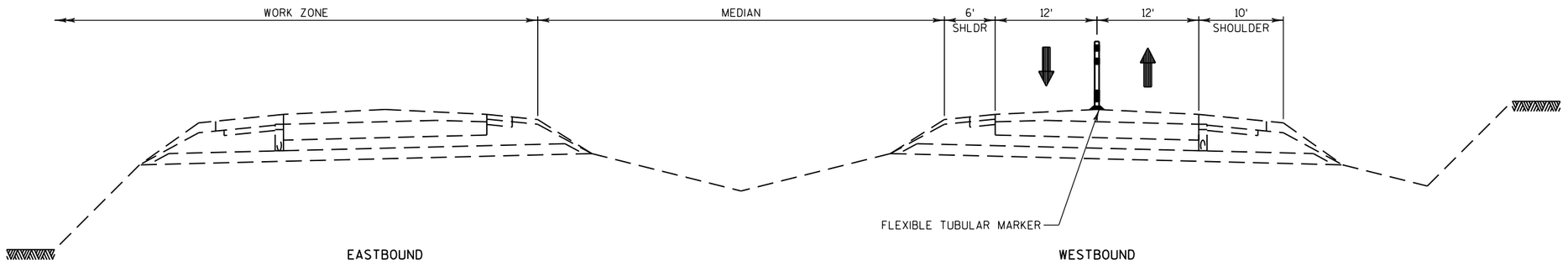


TYPICAL FINISHED SECTION
PELL LAKE DRIVE
SECTION UNDER BRIDGES

NOTE:
PAVEMENT STRUCTURE SHOWN IS PRELIMINARY. FINAL PAVEMENT STRUCTURE IS TO BE DETERMINED.

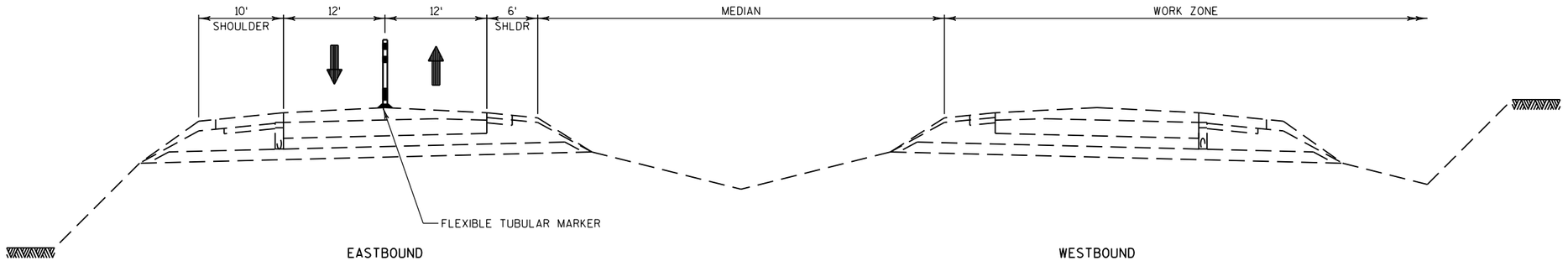
PROJECT NO: 3839-03-73	HWY: USH 12	COUNTY: WALWORTH	TYPICAL SECTIONS	SHEET PRE_25	E

2



USH 12 TRAFFIC - STAGE 1

NOTE:
OVERSIZE / OVERWEIGHT TRUCKS WILL
BE DETOURED DURING CONSTRUCTION.



USH 12 TRAFFIC - STAGE 2

PROJECT NO: 3839-03-73	HWY: USH 12	COUNTY: WALWORTH	TRAFFIC CONTROL	SHEET E

FILE NAME : \\milw00\ingrproj\68977\t1\cds\025001_tc.dgn PLOT DATE : 1/30/2018 5:35:24 PM PLOT BY : tkeefe PLOT NAME : $FILE$ PLOT SCALE : 15:1
STHDOT/CADDS SHEET 42

2

PRIMARY CONTROL

TYPE	#	Y =	X =	ELEV.	DESCRIPTION
BM	10	307659.097	823550.812	881.92	CUT X SE BOLT E POST GAS-NEXT RT/FOOD-NEXT RT SIGN
BM	13	308805.654	823754.118	892.22	CUT SQ NE CONC ABUT B-64-19
BM	20	313229.676	823976.257	829.34	STATE HWY COMMISSION OF WI CAP SE WWAL BOX B-64-20-65
BM	21	313234.376	823800.555	829.04	CUT SQ NW WWAL BOX B-64-20-65
BM	30	316350.985	821395.383	841.97	CUT SQ TOP NW END CONC PARAPET UNDER B-64-22
BM	31	316098.350	821440.097	860.11	WISDOT BT CTL CAP TOP CONC PARAPET B-64-22
BM	32	316391.242	821401.191	860.79	CUT SQ TOP CONC PARAPET B-64-22
BM	41	319274.811	818244.396	877.51	CUT SQ TOP CONC SE ABUT B-64-24-64
BM	42	319397.697	817984.214	878.64	CUT SQ TOP CONC NW ABUT B-64-23-64
BM	50	325987.295	812070.003	871.24	CUT SQ TOP NW END CONC PARAPET UNDER B-64-25
BM	52	325758.638	812105.746	887.61	STATE HWY COMMISSION OF WI CAP SE CONC ABUT B-64-25
BM	53	326033.685	812075.321	887.84	CUT SQ NW CONC ABUT B-64-25
BM	60	329943.104	806626.574	880.96	CUT SQ TOP NW END CONC PARAPET UNDER B-64-26
BM	61	329913.946	806379.082	896.39	STATE HWY COMMISSION OF WI CAP TOP SW CONC ABUT B-64-26
BM	62	329944.787	806703.452	899.72	CUT SQ TOP NE CONC ABUT B-64-26
BM	71	332948.342	802532.611	855.54	CUT X W BOLT SW POST EXIT 330 A-B 50 SOUTH 120 H SIGN
BM	72	332391.857	802986.322	888.85	STATE HWY COMMISSION OF WI CAP SW CONC ABUT B-64-27
BM	73	332484.954	803195.925	887.08	CUT SQ TOP SE CONC ABUT B-64-27
BM	80	334696.237	800479.194	889.32	CUT X W BOLT SW POST BY-PASS LAKE GENEVA AHEAD SIGN
BM	81	336958.947	798924.073	895.44	WISDOT VT CTL CAP TOP CONC PARAPET B-64-187

TYPE	#	Y =	X =	ELEV.	DESCRIPTION
HMOD	4827	322488.773	815533.217	876.84	DG4827 (BLOOMFIELD E GPS)
HMOD	4902	337349.239	801026.355	877.88	DG4902 (LAKE GENEVA GPS)
HMOD	9507	308772.132	823552.977	893.09	DF9507 (1K05)

TYPE	#	Y =	X =	ELEV.	DESCRIPTION
CP	100	307478.510	823727.347	885.00	FENO W/ 2IN ALUM KL/WISDOT CAP
CP	101	308580.137	823635.812	874.26	FENO W/ 2IN ALUM KL/WISDOT CAP
CP	102	308996.389	823673.364	867.70	FENO W/ 2IN ALUM KL/WISDOT CAP
CP	103	308804.130	822750.434	878.19	FENO W/ 2IN ALUM KL/WISDOT CAP
CP	104	308813.806	823841.631	889.93	FENO W/ 2IN ALUM KL/WISDOT CAP
CP	150	310799.997	823867.701	845.07	FENO W/ 2IN ALUM KL/WISDOT CAP
CP	200	313198.327	823953.659	834.76	FENO W/ 2IN ALUM KL/WISDOT CAP
CP	201	313518.044	823811.483	832.57	FENO W/ 2IN ALUM KL/WISDOT CAP
CP	250	315150.934	822768.282	834.24	FENO W/ 2IN ALUM KL/WISDOT CAP
CP	300	316132.586	821579.240	837.09	FENO W/ 2IN ALUM KL/WISDOT CAP
CP	301	316383.554	821274.296	838.66	FENO W/ 2IN ALUM KL/WISDOT CAP
CP	302	316627.774	821434.186	854.29	FENO W/ 2IN ALUM KL/WISDOT CAP
CP	303	315918.757	821408.034	853.88	FENO W/ 2IN ALUM KL/WISDOT CAP
CP	400	318848.295	818561.721	866.50	FENO W/ 2IN ALUM KL/WISDOT CAP
CP	401	319258.335	818161.969	875.43	FENO W/ 2IN ALUM KL/WISDOT CAP
CP	402	319766.442	817762.989	872.19	FENO W/ 2IN ALUM KL/WISDOT CAP
CP	403	319359.504	817840.499	859.54	FENO W/ 2IN ALUM KL/WISDOT CAP
CP	404	319310.174	818436.212	856.80	FENO W/ 2IN ALUM KL/WISDOT CAP
CP	500	325788.585	812258.409	867.40	FENO W/ 2IN ALUM KL/WISDOT CAP
CP	501	326024.081	811935.783	867.04	FENO W/ 2IN ALUM KL/WISDOT CAP
CP	502	325085.275	812138.775	875.87	FENO W/ 2IN ALUM KL/WISDOT CAP
CP	503	325637.530	812110.761	883.36	FENO W/ 2IN ALUM KL/WISDOT CAP
CP	504	326166.245	812070.292	883.85	FENO W/ 2IN ALUM KL/WISDOT CAP
CP	505	326738.110	812060.087	875.84	FENO W/ 2IN ALUM KL/WISDOT CAP
CP	550	328108.699	809238.011	873.39	FENO W/ 2IN ALUM KL/WISDOT CAP
CP	600	329803.652	806690.010	879.25	FENO W/ 2IN ALUM KL/WISDOT CAP
CP	601	330053.733	806339.759	871.78	FENO W/ 2IN ALUM KL/WISDOT CAP
CP	602	329945.100	807025.625	895.91	FENO W/ 2IN ALUM KL/WISDOT CAP
CP	603	329910.238	806267.980	893.99	FENO W/ 2IN ALUM KL/WISDOT CAP
CP	650	331229.037	804772.087	853.04	FENO W/ 2IN ALUM KL/WISDOT CAP
CP	700	332357.446	803212.017	868.05	FENO W/ 2IN ALUM KL/WISDOT CAP
CP	701	332582.813	802909.078	863.08	FENO W/ 2IN ALUM KL/WISDOT CAP
CP	702	333100.695	802170.458	862.03	FENO W/ 2IN ALUM KL/WISDOT CAP
CP	703	332616.304	803444.095	882.81	FENO W/ 2IN ALUM KL/WISDOT CAP
CP	704	332279.761	802739.007	888.10	FENO W/ 2IN ALUM KL/WISDOT CAP

2

SECONDARY CONTROL

TYPE	#	Y =	X =	ELEV.	DESCRIPTION
BM	11	308855.302	823734.065	870.260	CUT SQ TOP N END 36IN RCCP (FULL OF DEBRIS)
BM	12	308732.862	822805.139	880.150	CUT X SE FLANGE BOLT W/ BURY 6-6 TAG HYD
BM	14	308830.293	824233.995	880.490	RR SPIKE PPOL #3
BM	40	318790.252	818575.318	863.840	CUT X TOP NE END 18IN CMCP
BM	43	320089.219	817479.222	867.000	MAG NAIL TOP 12IN CMCP W/ PCP LINER
BM	44	319456.33	818451.172	855.110	RR SPIKE PPOL #01-18-14 25/26
BM	45	319254.578	817715.688	860.680	RR SPIKE WOOD CORNER POST WIRE R/W FNC
BM	51	325025.959	812078.402	874.300	RR SPIKE PPOL #1-18-10 12/30
BM	54	326643.004	812050.885	874.480	RR SPIKE PPOL #1-18-10 12/46
BM	70	332451.514	803079.297	868.400	MAG NAIL TOP WOOD GR POST UNDER B-64-27

TYPE	#	Y =	X =	ELEV.	DESCRIPTION
CP	105	308822.361	824146.908	881.830	5/8IN RB KL CAP
CP	106	308776.645	824649.803	883.730	5/8IN RB KL CAP
CP	107	308421.205	824169.446	882.850	5/8IN RB KL CAP
CP	108	308770.134	823446.904	891.600	5/8IN RB KL CAP
CP	109	308872.362	823444.995	883.853	6IN NAIL
CP	110	308763.093	823154.552	886.665	5/8IN RB KL CAP
CP	111	308869.303	822806.319	877.760	6IN NAIL
CP	112	308835.189	822886.979	879.314	6IN NAIL
CP	202	313256.024	823807.453	831.445	6IN NAIL
CP	304	317368.614	821424.482	842.392	5/8IN RB KL CAP
CP	305	316860.373	821391.026	847.794	5/8IN RB KL CAP
CP	306	314798.655	821413.779	834.730	MAG NAIL
CP	307	314452.271	821481.190	834.610	5/8IN RB KL CAP
CP	405	318977.237	818183.934	867.361	MAG NAIL
CP	406	320111.995	817466.396	867.062	5/8IN RB KL CAP
CP	407	319362.861	817343.050	860.699	5/8IN RB KL CAP
CP	408	319350.929	818093.955	859.119	5/8IN RB KL CAP
CP	506	325334.382	812114.144	874.219	5/8IN RB KL CAP
CP	507	326529.874	812065.662	874.438	5/8IN RB KL CAP
CP	508	326278.219	812203.081	862.777	6IN NAIL
CP	509	326262.518	812062.104	879.149	5/8IN RB KL CAP
CP	604	329912.596	805779.714	892.014	5/8IN RB KL CAP
CP	605	329907.115	807421.352	894.032	5/8IN RB KL CAP
CP	606	329950.507	806001.144	892.244	5/8IN RB KL CA
CP	705	332528.963	803216.868	885.150	5/8IN RB KL CAP
CP	706	333416.717	801701.954	873.381	MAG NAIL
CP	707	332386.769	802971.603	888.217	MAG NAIL
CP	708	332613.529	803177.194	875.785	6IN NAIL
CP	709	332606.098	803789.371	876.684	5/8IN RB KL CAP

2

SECTION CORNERS

NAME	Y =	X =	ELEV.	DESCRIPTION
118010	332636.6680	802699.3820	861.5410	CONC MON W/ BRASS CAP (N 5-1-18)
118018	329933.9690	805383.0540	892.6000	CONC MON W/ CAP (E 5-1-18)
118019	329923.1390	808038.6530	895.9690	LIMESTONE MON W/ BRASS CAP (C 4-1-18)
118074	319311.9750	816139.9120	865.2800	WALWORTH CO BRASS CAP (E 15-1-18)
118102	314084.0290	821467.4940	835.3520	LIMESTONE MON W/ BRASS CAP (E 23-1-18)
118128	308770.6820	821540.7610	873.0840	SEWRPC BRASS CAP (E 26-1-18)
118129	308794.0460	824186.0410	882.6910	WALWORTH CO BRASS CAP (C 25-1-18)
218166	332636.8300	802671.0780	859.0640	CONC MON W/ IRON PLUG (S 32-2-18)

BEGIN CONSTRUCTION
STA 45CB+00.00

PI = STA 39CB+56.50
X = 822644.19
Y = 308778.16

APPROX. EXISTING R/W

℄ CB

PI = STA 46CB+53.01
X = 823340.65
Y = 308786.54

WETLAND BOUNDARY (TYP.)

USH 12 = STA 164+97.48
CTH B = STA 50CB+00.00
X=823687.63
Y=308789.58

B-64-19

PI = STA 51CB+43.54
X = 823831.16
Y = 308790.83

END CONSTRUCTION
STA 54CB+00.00

PI = STA 59CB+81.40
X = 824668.92
Y = 308803.94

N

42CB | 44CB | 46CB | 48CB | 50CB | 52CB | 54CB | 56CB

N 89°18'38" E — CTH B — N 89°29'56" E — N 89°06'14" E

24:1 FLARE

APPROX. EXISTING R/W

CONCRETE SURFACE DRAIN
(TYPE B), TYP.

℄ USH 12

SLOPE INTERCEPT

HUNTERS RIDGE DRIVE

USH 12 EB

USH 12 WB

WILLIAMS ROAD

5

5

FINISHED PROFILE AT ℄ CB

EXISTING PROFILE AT ℄ CB

BEGIN CONSTRUCTION
STA 45CB+00.00

VPI STA 45CB+07.19
VPI EL 888.19

VPI STA 45CB+00.00
VPI EL 888.00

VPC STA 45CB+33.77
VPC EL 888.93

2.67%

2.76%

STA 48CB+80.00 TO STA 50CB+62.00
STRUCTURE B-64-19
2-SPAN 36" - 64" STEEL GIRDERS
CLEAR ROADWAY WIDTH 32'-6"
SKEW 0°
MINIMUM VERTICAL CLEARANCE 16'-0"
SEE STRUCTURAL DRAWINGS

VPI STA 49CB+31.27
VPI EL 899.91

VCL = 795'
K = 135

VPT STA 53CB+28.77
VPT EL 887.43

VPI STA 53CB+90.00
VPI EL 885.51

-3.14%

-5.74%

END CONSTRUCTION
STA 54CB+00.00

VPI STA 54CB+00.00
VPI EL 885.24

900 | 895 | 890 | 885 | 880 | 875 | 870 | 865

EXISTING PROFILE ELEVATIONS

880.9 | 881.5 | 882.5 | 883.7 | 885.2 | 886.6 | 888.0 | 889.3 | 890.3 | 891.0 | 891.7 | 892.1 | 892.3 | 892.6 | 875.5 | 872.1 | 873.1 | 878.7 | 881.5 | 881.0 | 890.1 | 888.1 | 887.9 | 886.6 | 885.2 | 884.0 | 883.0 | 882.2 | 881.8 | 881.6 | 881.6

FINISHED PROFILE ELEVATIONS

888.00 | 889.37 | 890.60 | 891.64 | 892.50 | 893.17 | 893.65 | 893.95 | 894.07 | 894.00 | 893.74 | 893.30 | 892.67 | 891.86 | 890.86 | 889.68 | 888.31 | 886.77 | 885.24

42CB+00 | 43CB+00 | 44CB+00 | 45CB+00 | 46CB+00 | 47CB+00 | 48CB+00 | 49CB+00 | 50CB+00 | 51CB+00 | 52CB+00 | 53CB+00 | 54CB+00 | 55CB+00 | 56CB+00 | 57CB+00

PROJECT NO: 3839-03-73	HWY: USH 12	COUNTY: WALWORTH	PLAN AND PROFILE: CTH B	SHEET E

PRE_30

FILE NAME : \\milw00\ingrproj\68977\t1\cds\050101_pp.dgn | PLOT DATE : 1/30/2018 5:35:27 PM | PLOT BY : tkeefe | PLOT NAME : | PLOT SCALE : 100:1

WISDOT/CADDS SHEET 40

5

N

WETLAND BOUNDARY (TYP.)

APPROX. EXISTING R/W

APPROX. EXISTING R/W

BEGIN CONSTRUCTION
STA 289+11.78

END CONSTRUCTION
STA 303+00.00

SLOPE INTERCEPT

B-64-23

EB PGL

30:1 FLARE

30:1 FLARE

288 290 USH 12 EB 292 294 296 298 300 302

2" 8" 12" 12"

60"

3" 3" 12" 12"

30:1 FLARE

288 290 292 30:1 FLARE 294 296 298 300 302

USH 12 WB

N 40°55'53" W

8" 2"

30:1 FLARE

℄ USH 12

B-64-24

PC
USH 12-4

CONCRETE SURFACE DRAIN
(TYPE B), TYP.

PELL LAKE DRIVE

BEGIN CONSTRUCTION
STA 288+00.00

END CONSTRUCTION
STA 300+00.00

PT USH 12-3
STA 284+71.17
X = 818820.81
Y = 318566.26

APPROX. EXISTING R/W

T

T

OH

OH

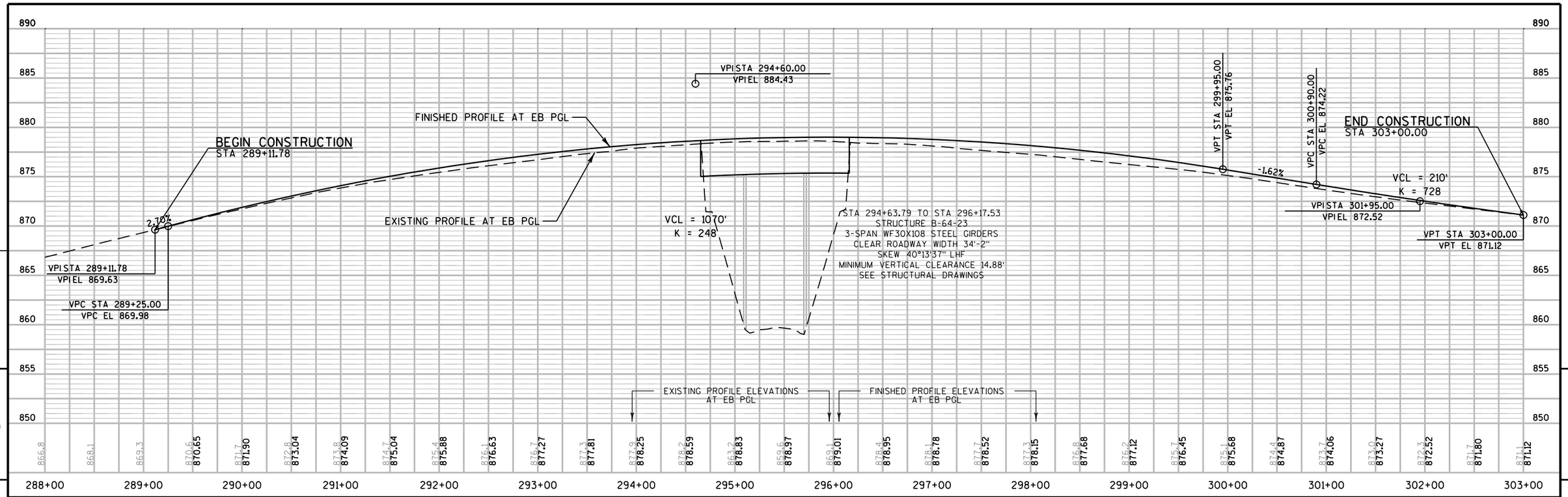
OH

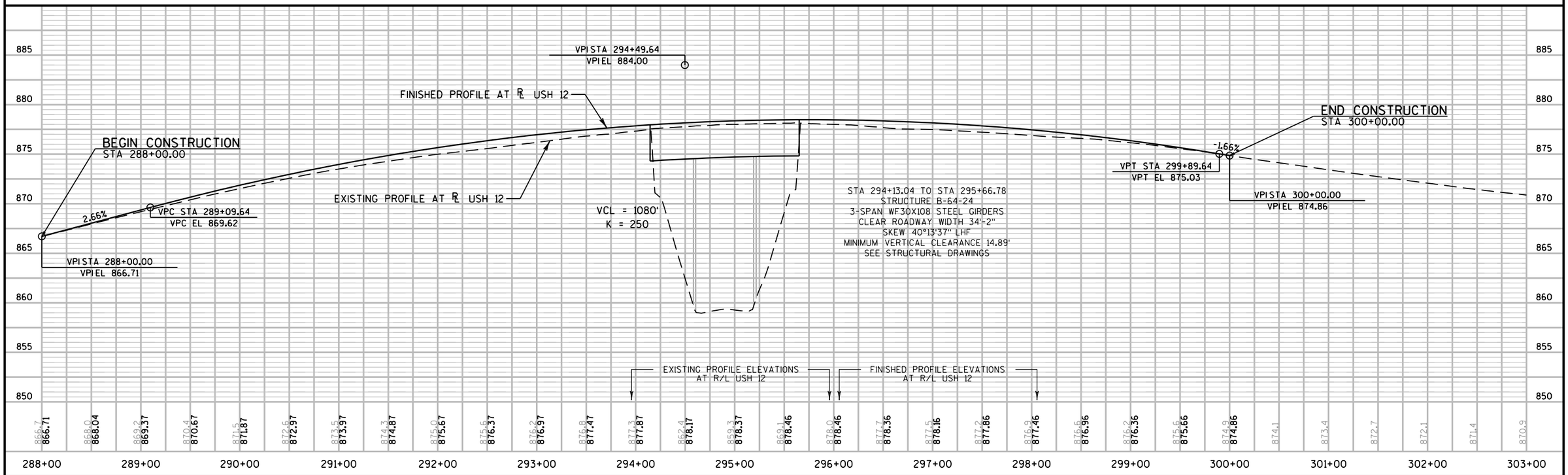
APPROX. EXISTING R/W

C

PROJECT NO: 3839-03-73	HWY: USH 12	COUNTY: WALWORTH	PLAN: USH 12 AT PELL LAKE DRIVE	SHEET	E

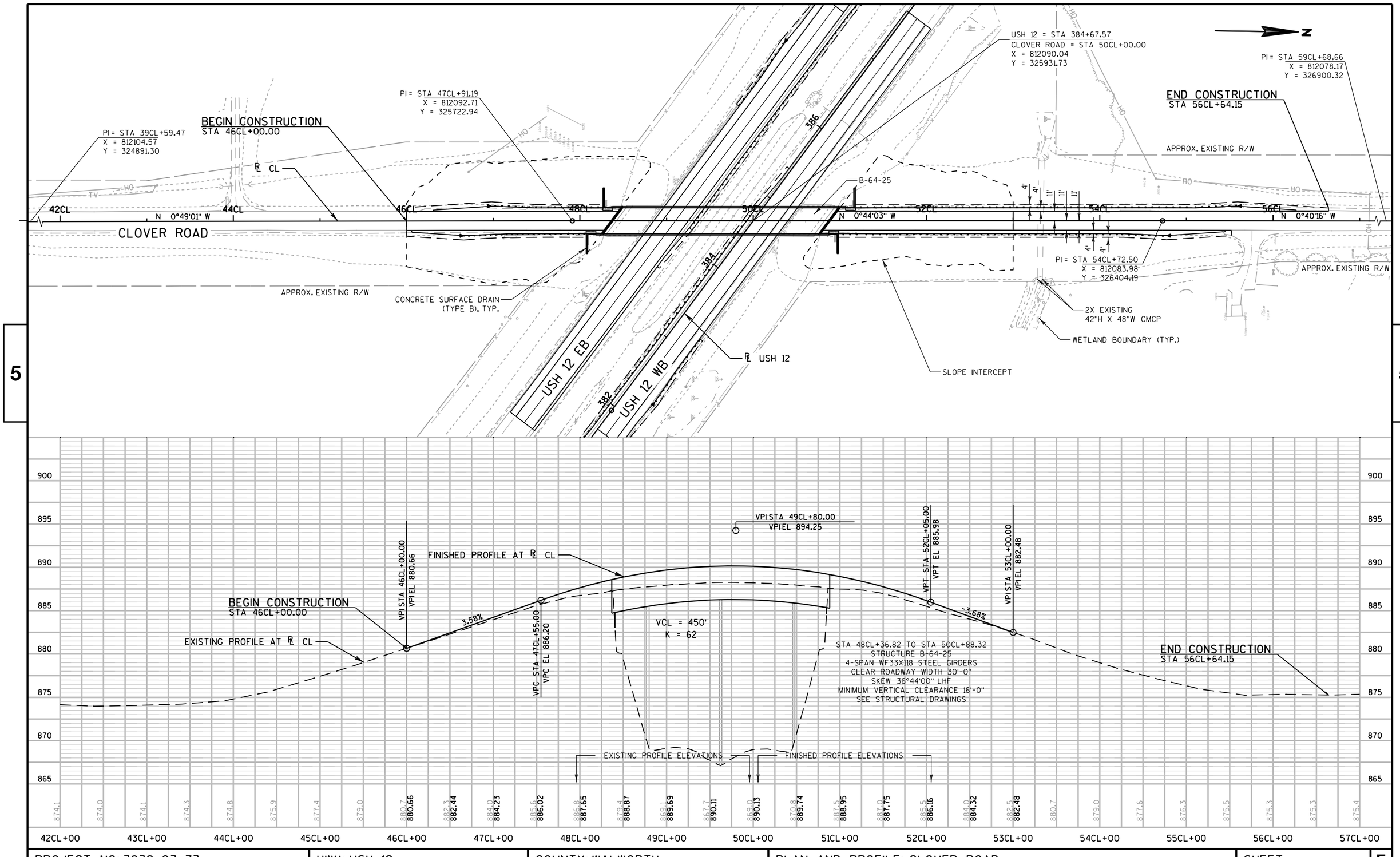
FILE NAME : \\milw00\ingrproj\68977\t1\cds\050102_pp.dgn PLOT DATE : 1/30/2018 5:35:29 PM PLOT BY : tkeefe PLOT NAME : PLOT SCALE : 100:1





PROJECT NO: 3839-03-73	HWY: USH 12	COUNTY: WALWORTH	PROFILE: USH 12 AT PELL LAKE DRIVE	SHEET	E

PRE_32



PROJECT NO: 3839-03-73	HWY: USH 12	COUNTY: WALWORTH	PLAN AND PROFILE: CLOVER ROAD	SHEET E

PRE_33

FILE NAME : \\milw00\ingrproj\68977\t1\cds\050104_pp.dgn PLOT DATE : 1/30/2018 5:35:32 PM PLOT BY : tkeefe PLOT NAME : PLOT SCALE : 100:1

WISDOT/CADDS SHEET 40

N

BEGIN PROJECT 3839-03-73
STA 161+11.99

USH 12 EB

USH 12 WB

158
N 0°40'16" E
160
PC
USH 12-1
162
164
166
168
170
172
N 3°40'07" E
PT
USH 12-1

℄ USH 12

B-64-19

SLOPE INTERCEPT

℄ CB

CTH B

APPROX. EXISTING R/W

USH 12 = STA 164+97.48
CTH B = STA 50CB+00.00
X=823687.63
Y=308789.58

PI
USH 12-1

END CONSTRUCTION
STA 168+83.05

CURVE USH 12-1

WETLAND BOUNDARY (TYP.)

CURVE USH 12-1
PC = 159+79.99
X = 823675.7289
Y = 308272.2344
PI = 165+80.13
X = 823682.7575
Y = 308872.3301
PT = 171+79.99
X = 823721.1562
Y = 309471.2373
R = 22937.96
Delta = 2°59'51" RT
D (arc) = 0°14'59"
T = 600.14
L = 1200.00
E = 7.85
BK = N 0°40'16" E
AH = N 3°40'07" E

PROJECT NO: 3839-03-73	HWY: USH 12	COUNTY: WALWORTH	PLAN: USH 12 AT CTH B	SHEET	E

PRE_34

FILE NAME : \\milw00\ingrproj\68977\t1\cds\050201_pn.dgn PLOT DATE : 1/30/2018 5:35:34 PM PLOT BY : tkeefe PLOT NAME : PLOT SCALE : 100:1

WISDOT/CADDS SHEET 44

N

END CONSTRUCTION
STA 214+01.09

APPROX. EXISTING R/W

WETLAND BOUNDARY (TYP.)

PT
USH 12-2

4'

USH 12 EB

9.4'

N 3°40'07" E

204

206

℄ USH 12

208

210

212

214

CURVE USH 12-2

216

218

PC
USH 12-2

34'

4'

USH 12 WB

B-64-20

BEGIN CONSTRUCTION
STA 205+72.99

APPROX. EXISTING R/W

NIPPERSINK CREEK

CURVE USH 12-2
PC = 203+95.32
X = 823926.8832
Y = 312679.9754
PI = 218+60.25
X = 824020.6144
Y = 314141.9071
PT = 231+03.65
X = 822890.2652
Y = 315073.7550
R = 2864.79
Delta = 54°10'00" LT
D (arc) = 2°00'00"
T = 1464.93
L = 2708.33
E = 352.83
BK = N 3°40'07" E
AH = N 50°29'53" W

PI
USH 12-2

PROJECT NO: 3839-03-73	HWY: USH 12	COUNTY: WALWORTH	PLAN: USH 12 AT NIPPERSINK CREEK	SHEET E

PRE_35

FILE NAME : \\milw00\ingrproj\68977\t1\cds\050202_pn.dgn PLOT DATE : 1/30/2018 5:35:36 PM PLOT BY : tkeefe PLOT NAME : PLOT SCALE : 100:1

WISDOT/CADDS SHEET 44

END CONSTRUCTION
STA 254+19.80

PC USH 12-3
STA 271+95.61
X = 819732.89
Y = 317676.66

N

MGS THRIE BEAM TRANSITION

EXISTING CONCRETE BARRIER
TO REMAIN

B-64-22

APPROX. EXISTING R/W

USH 12 = STA 250+09.49
CTH U = STA 50CU+00.00
X=821419.71
Y=316286.07

N 50°29'53" W

PI = STA CU45+00.00
X = 821427.55
Y = 315786.13

℄ CU

26:1 FLARE

46CU 48CU 50CU 52CU 54CU

CTH U

N 0°53'53" W

PI = STA CU55+00.00
X = 821411.87
Y = 316786.00

BEGIN CONSTRUCTION
STA 45CU+03.96

CONCRETE SURFACE DRAIN
(TYPE B), TYP.

℄ USH 12

EXISTING CONCRETE BARRIER
TO REMAIN

MGS THRIE BEAM TRANSITION

WETLAND BOUNDARY (TYP.)

END CONSTRUCTION
STA 53CU+91.72

USH 12 EB

USH 12 WB

BEGIN CONSTRUCTION
STA 245+48.13

PT
USH 12-2

256 254 252 250 248 246 244

PROJECT NO: 3839-03-73	HWY: USH 12	COUNTY: WALWORTH	PLAN: CTH U	SHEET	E

FILE NAME : \\milw00\ingrproj\68977\t1\cds\050203_pn.dgn PLOT DATE : 1/30/2018 5:35:37 PM PLOT BY : tkeefe PLOT NAME : PLOT SCALE : 100:1

PRE_36

WISDOT/CADDS SHEET 44

R CL

CLOVER ROAD

460

HO

APPROX. EXISTING R/W

EXISTING CONCRETE BARRIER
TO REMAIN

USH 12 = STA 384+67.57
CLOVER ROAD = STA 50CL+00.00
X = 812090.04
Y = 325931.73

APPROX. EXISTING R/W

END CONSTRUCTION
STA 388+34.28

APPROX. EXISTING R/W

P.T.
USH 12-4

B-64-25

MGS THRIE BEAM TRANSITION

BEGIN CONSTRUCTION
STA 380+53.38

5

5

8' 12' 12' 3'

8' 4'

6' 4'

60'

6' 4'

3' 12' 12' 8'

4' 8'

378 CURVE USH 12-4 380 382 384 386 388 390 392

N 53°59'43" W

R USH 12

APPROX. EXISTING R/W

APPROX. EXISTING R/W

WETLAND BOUNDARY (TYP.)

MGS THRIE BEAM TRANSITION

EXISTING CONCRETE BARRIER
TO REMAIN

SLOPE INTERCEPT

OH

OH

RO

HO

CURVE USH 12-4
PC = 364+52.12
X = 813592.0401
Y = 324595.8121
PI = 373+27.02
X = 813018.8413
Y = 325256.7957
PT = 381+94.34
X = 812311.0726
Y = 325771.1103
R = 7641.17
Delta = 13°03'49" LT
D (arc) = 0°44'59"
T = 874.90
L = 1742.22
E = 49.92
BK = N 40°55'53" W
AH = N 53°59'43" W

PROJECT NO: 3839-03-73	HWY: USH 12	COUNTY: WALWORTH	PLAN: USH 12 AT CLOVER ROAD	SHEET	E

PRE_37

FILE NAME : \\milw00\ingrproj\68977\t1\cds\050204_pn.dgn PLOT DATE : 1/30/2018 5:35:39 PM PLOT BY : tkeefe PLOT NAME : PLOT SCALE : 100:1

N

END CONSTRUCTION
STA 457+44.93

BEGIN CONSTRUCTION
STA 44BL+68.41

PI = STA BL43+00.00
X = 805889.97
Y = 329931.33

℄ USH 12

APPROX. EXISTING R/W

USH 12 = STA 452+66.45
N. BLOOMFIELD ROAD = STA 50BL+00.00
X=806589.96
Y=329928.47

MGS THRIE BEAM TRANSITION

EXISTING CONCRETE BARRIER
TO REMAIN

B-64-26

21:1 FLARE

℄ BL

PI = STA BL55+00.00
X = 807089.96
Y = 329926.43

S 89°45'58" E

44BL 46BL 48BL 50BL 52BL 54BL

N. BLOOMFIELD ROAD

OH

CONCRETE SURFACE DRAIN
(TYPE B), TYP.

EXISTING CONCRETE BARRIER
TO REMAIN

MGS THRIE BEAM TRANSITION

APPROX. EXISTING R/W

END CONSTRUCTION
STA 54BL+28.95

BEGIN CONSTRUCTION
STA 448+75.66

BREVERS LANE

USH 12 WB

USH 12 EB

APPROX. EXISTING R/W

N 53°59'43" W

460 458 456 454 452 450 448 446

5

5

PROJECT NO: 3839-03-73	HWY: USH 12	COUNTY: WALWORTH	PLAN: N. BLOOMFIELD ROAD	SHEET	E

PRE_38

PC USH 12-5
STA 511+31.28
X = 801845.50
Y = 333376.13

N 53°59'43" W

END PROJECT 3839-03-73
STA 499+75.35

℄ USH 12

USH 12 = STA 495+72.00
E. TOWNLINE ROAD = STA 50TL+00.00
X = 803106.91
Y = 332459.50

PC
TL-1

APPROX. EXISTING R/W

WETLAND BOUNDARY (TYP.)

42TL

CURVE TL-1

44TL

BEGIN CONSTRUCTION
STA 45TL+56.94

PT
TL-1

℄ TL

46TL

48TL

50TL

52TL

PHEASANT RUN ROAD

PC
TL-2

PI
TL-2

B-64-27

21:1 FLARE

N 66°00'17" E

54TL E. TOWNLINE ROAD

CURVE TL-2

PT
TL-2

PI
TL-1

NORTH ROAD

CONCRETE SURFACE DRAIN
(TYPE B), TYP.

END CONSTRUCTION
STA 53TL+67.59

APPROX. EXISTING R/W

APPROX. EXISTING R/W

USH 12 EB

USH 12 WB

BEGIN CONSTRUCTION
STA 492+03.15

CURVE TL-1	CURVE TL-2
PC = 38+97.14	PC = 52+23.07
X = 802063.7547	X = 803310.7020
Y = 332392.7003	Y = 332550.2170
PI = 43+34.19	PI = 53+93.94
X = 802433.5596	X = 803466.8046
Y = 332159.7760	Y = 332619.7027
PT = 47+00.00	PT = 55+59.97
X = 802832.8360	X = 803637.6694
Y = 332337.5053	Y = 332620.9319
R = 818.51	R = 818.51
Delta = 56°12'01" LT	Delta = 23°34'59"
D (arc) = 7°00'00"	D (arc) = 7°00'00"
T = 437.05	T = 170.87
L = 802.86	L = 336.90
E = 109.37	E = 17.64
BK = S 57°47'42" E	BK = N 66°00'17" E
AH = N 66°00'17" E	AH = N 89°35'16" E

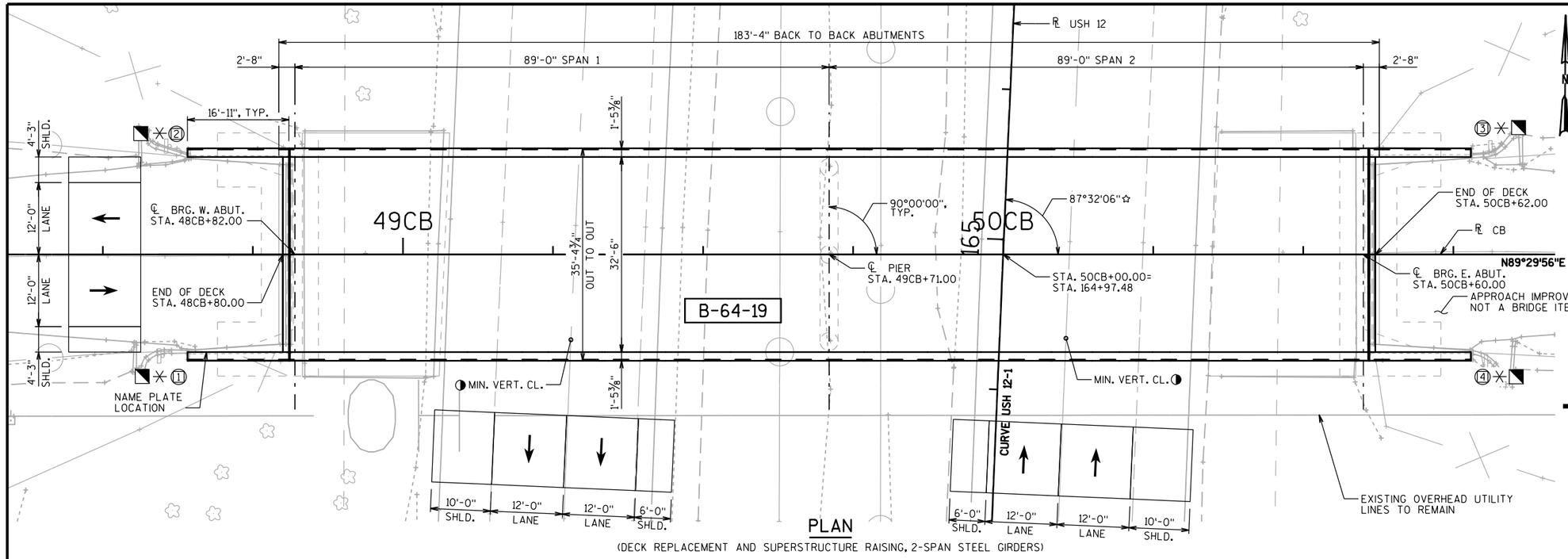
PROJECT NO: 3839-03-73	HWY: USH 12	COUNTY: WALWORTH	PLAN: E. TOWNLINE ROAD	SHEET E

PRE_39

FILE NAME : \\milw00\ingrproj\68977\t1\cds\050206_pn.dgn PLOT DATE : 1/30/2018 5:35:42 PM PLOT BY : tkeefe PLOT NAME : PLOT SCALE : 100:1

WISDOT/CADDS SHEET 44

STATE PROJECT NUMBER
3839-03-73



PLAN

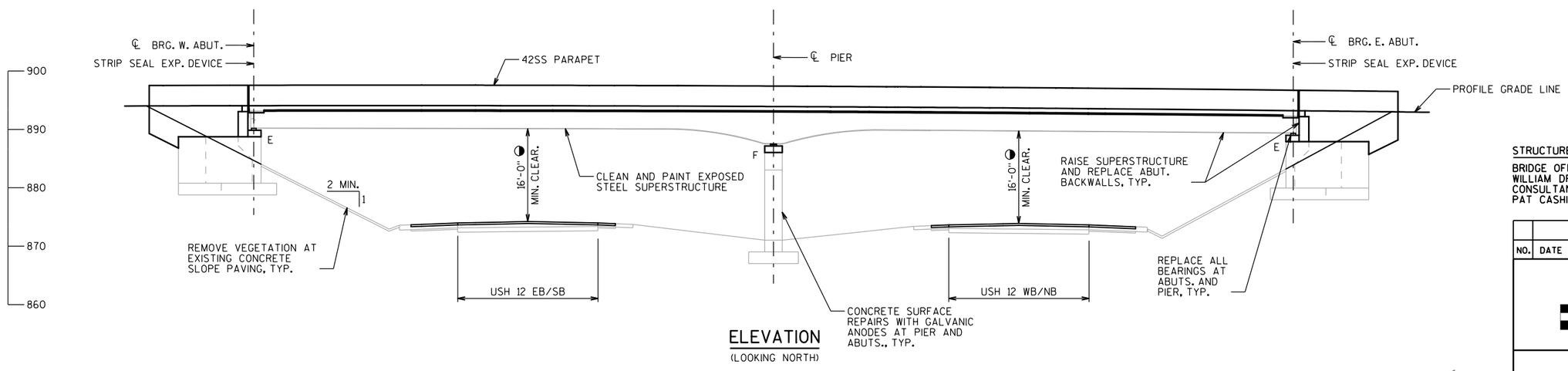
(DECK REPLACEMENT AND SUPERSTRUCTURE RAISING, 2-SPAN STEEL GIRDERS)

LIST OF DRAWINGS

1. GENERAL PLAN & ELEVATION
2. TYPICAL SECTIONS
3. GENERAL NOTES & QUANTITIES

LEGEND

- TRAFFIC DIRECTION
- (X) WING NUMBER
- LOCATION OF "ANCHOR ASSEMBLIES FOR STEEL PLATE BEAM GUARD"
- LOCATION OF SURFACE DRAIN ANCHORS
- ☆ ANGLE MEASURED FROM LINE TANGENT TO USH 12 ℄ AT ℄ CTH B
- ◑ LOCATION AND CLEARANCE DIMENSION TO BE DETERMINED IN FINAL DESIGN



ELEVATION

(LOOKING NORTH)

STRUCTURES DESIGN CONTACTS

BRIDGE OFFICE:
WILLIAM DREHER (608) 266-8489
CONSULTANT:
PAT CASHIN (414) 359-2300

TRAFFIC DATA

CTH B

EXISTING A.D.T. = 1,500 (2012)
FUTURE A.D.T. = 2,100 (2040)
R.D.S. = 55 M.P.H.

USH 12

EXISTING A.D.T. = 9,500 (2015)
FUTURE A.D.T. = 11,800 (2040)
R.D.S. = 70 M.P.H.

DESIGN DATA

LIVE LOAD

INVENTORY RATING: HSXX
OPERATING RATING: HSXX
WISCONSIN STANDARD PERMIT VEHICLE (WIS-SPV) = XXX KIPS

MATERIAL PROPERTIES

CONCRETE MASONRY:
SUPERSTRUCTURE ..... f'c = 4,000 psi
ALL OTHER ..... f'c = 3,500 psi
BAR STEEL REINFORCEMENT ..... fy = 60,000 psi

HORIZONTAL CURVE DATA

CURVE USH 12-1

P.I. = 165+80.13
Δ = 2° 59' 51" R
D = 0° 14' 59"
T = 600.14'
L = 1,200.00'
R = 22,937.96'
P.C. = 159+79.99
P.T. = 171+79.99

STATUS SET 1/31/18

PRELIMINARY PLANS

NO.	DATE	REVISION	BY

ORIGINAL PLANS PREPARED BY

HNTB
11414 W. PARK PLACE
MILWAUKEE, WI 53224
(414) 359-2300

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

ACCEPTED _____ _____
CHIEF STRUCTURES DESIGN ENGINEER DATE

STRUCTURE B-64-19

CTH B OVER USH 12

COUNTY	TOWN
WALWORTH	BLOOMFIELD

DESIGN SPEC.
REHABILITATION N/A

DESIGNED BY	HDA	DESIGN CK'D.	PJC	DRAWN BY	HDA	PLANS CK'D.	EAJ

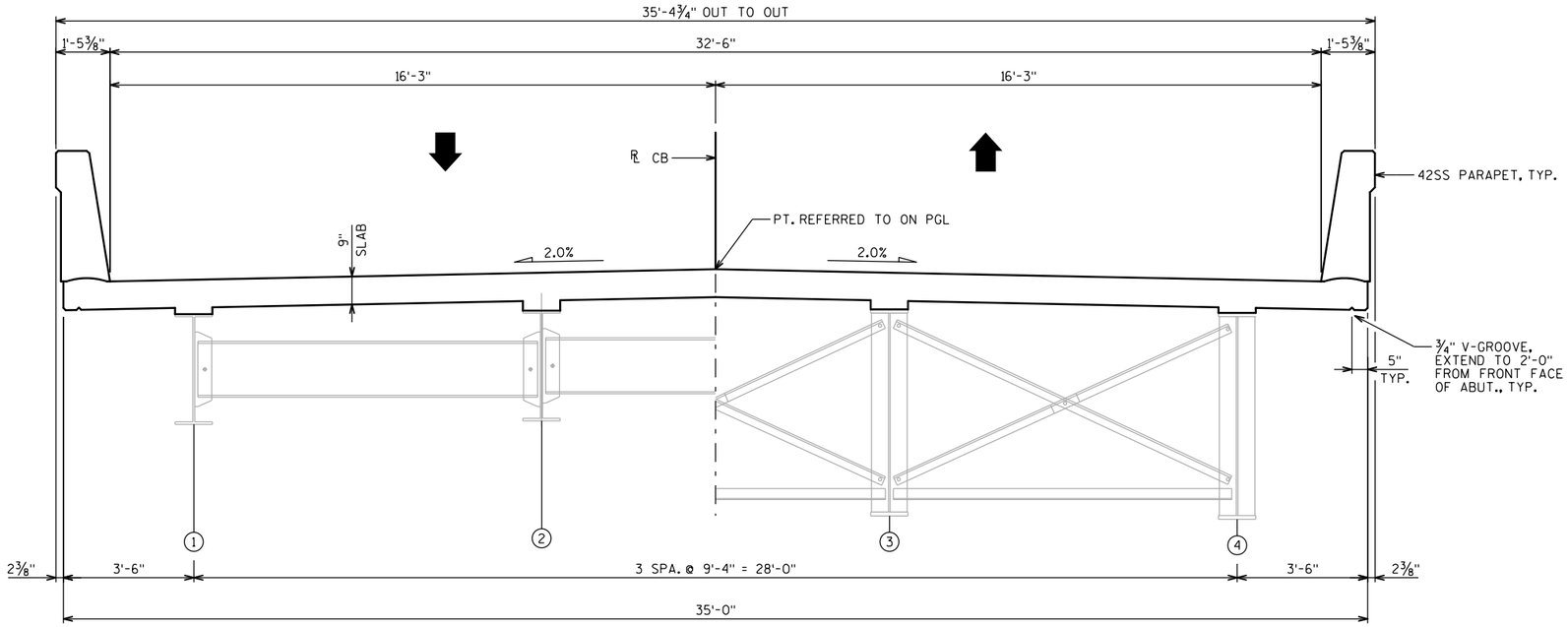
GENERAL PLAN & ELEVATION

SHEET 1 OF 3

PRE_40

FILE NAME : \\milw00\ingrproj\68977\b1\B-64-19\cds\B19_080101_gp.dgn
PLOT DATE : 1/30/2018 2:58:55 PM
PLOT BY : HAnders
PLOT NAME : $FILE$
PLOT SCALE : 20:1

STATE PROJECT NUMBER
3839-03-73

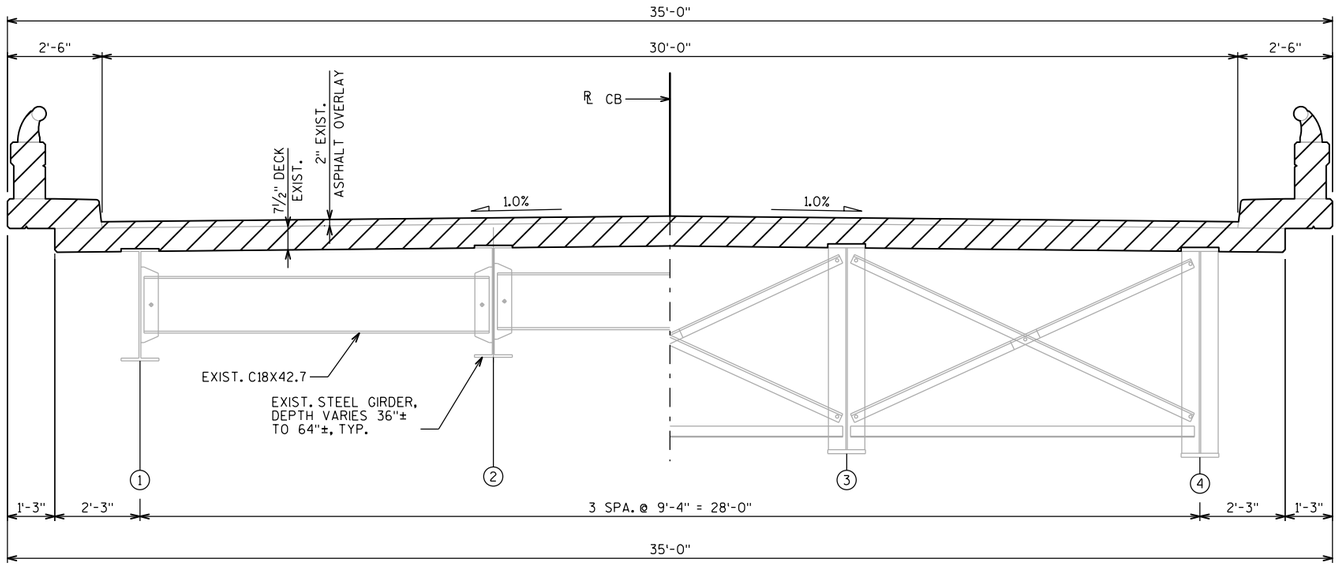


TYPICAL HALF SECTION

HALF SECTION AT PIER CROSS FRAME

PROPOSED TYPICAL SECTION

(LOOKING EAST)



TYPICAL HALF SECTION

HALF SECTION AT PIER CROSS FRAME

EXISTING TYPICAL SECTION

(LOOKING EAST)

LEGEND

REMOVAL LIMITS. REMOVAL TO INCLUDE ASPHALT OVERLAY, DECK, BRUSH CURB, PARAPETS, AND ALUMINUM RAILINGS.

STATUS SET 1/31/18

PRELIMINARY PLANS

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-64-19

DRAWN BY	HDA	PLANS CK'D.	EAJ

TYPICAL SECTIONS

SHEET 2 OF 3

PRE_41

8

8

FILE NAME : \\milw00\ingrproj\68977\b1\B-64-19\cds\B19_080102_ts.dgn PLOT DATE : 1/30/2018 2:58:56 PM PLOT BY : HAnders PLOT NAME : $FILE$ PLOT SCALE : 4:1

STATE PROJECT NUMBER
3839-03-73

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

DIMENSIONS SHOWN ARE BASED ON THE EXISTING STRUCTURE PLANS.

ALL DIMENSIONS ARE IN FEET AND INCHES UNLESS OTHERWISE NOTED. ALL STATIONS AND ELEVATIONS ARE IN FEET.

THE EXISTING STRUCTURE IS A 2-SPAN STEEL DECK GIRDER BRIDGE WITH AN OVERALL WIDTH OF 35' AND AN OVERALL LENGTH OF 183'-4". THE EXISITNG 7.5" DECK WITH 2" ASPHALT OVERLAY, PARAPETS, PAVING BLOCKS, AND EXPANSION DEVICES ARE TO BE REMOVED AND REPLACED.

ALL CONCRETE REMOVAL SHALL BE DEFINED WITH A 1-INCH DEEP SAW CUT. EXERCISE CAUTION WHEN REMOVING OLD DECK AS TO NOT DAMAGE EXISTING GIRDERS AND SHEAR CONNECTORS.

APPLY "PROTECTIVE SURFACE TREATMENT" TO THE ENTIRE TOP SURFACE OF THE NEW DECK AND PAVING BLOCKS.

APPLY "PIGMENTED SURFACE SEALER" TO THE TOP AND INSIDE FACES OF PARAPETS.

"CONCRETE SURFACE REPAIR" AREAS SHOWN IN THE QUANTITIES TABLE ARE BASED ON THE BRIDGE INSPECTION REPORT AND ARE APPROXIMATE. EXACT AREAS OF REPAIR SHALL BE DETERMINED IN THE FIELD BY THE PROJECT ENGINEER. ALL SUBSTRUCTURE CONCRETE SURFACE REPAIRS SHALL INCLUDE "EMBEDDED GALVANIC ANODES", PAID FOR SEPARATELY.

AT THE BACKFACE OF ABUTMENT ALL VOLUME NOT OCCUPIED BY THE NEW STRUCTURE SHALL BE BACKFILLED WITH STRUCTURE BACKFILL TYPE A.

THE EXISTING GROUNDLINE SHALL BE THE UPPER LIMITS OF EXCAVATION FOR STRUCTURES.

JOINT FILLER SHALL CONFORM TO THE REQUIREMENTS OF AASHTO M153 TYPE 1, 2, OR 3, OR AASTO M213.

SEAL ALL EXPOSED HORIZONTAL AND VERTICAL SURFACES OF 1" JOINT FILLER HOT POURED JOINT SEALANT (1/2" DEEP AND HOLD 1/4" BELOW SURFACE OF CONCRETE).

BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2" CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

ALL REINFORCING BARS ARE ENGLISH. THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE. BAR DIMENSIONS ARE OUT TO OUT OF BAR.

UTILIZE EXISTING BAR STEEL REINFORCEMENT WHERE SHOWN AND EXTEND 24 BAR DIAMETERS INTO NEW WORK, UNLESS SPECIFIED OTHERWISE.

UNDER THE BID ITEM "ADHESIVE ANCHORS NO. X BAR", ANCHORED REINFORCING STEEL SHALL BE PAID FOR SEPARATELY AS PROVIDED IN SECTION 505 OF THE STANDARD SPECIFICATIONS FOR BAR STEEL REINFORCEMENT.

BEVEL EDGES OF EXPOSED CONCRETE 3/4" MIN. OR MATCH EXISTING BEVELS UNLESS NOTED OTHERWISE.

THE HAUNCH CONCRETE QUANTITY IS BASED ON AN AVERAGE HAUNCH OF X". THIS IS THE MAXIMUM HAUNCH QUANTITY FOR WHICH THE CONTRACTOR WILL BE PAID.

VARIATIONS TO THE NEW GRADE LINE OVER 1/4" MUST BE SUBMITTED BY THE FIELD ENGINEER TO THE STRUCTURES DESIGN SECTION FOR REVIEW.

EXPANSION JOINT ASSEMBLY, INCLUDING ANCHOR STUDS AND HARDWARE, SHALL BE PAID FOR IN THE LUMP SUM PRICE BID AS "EXPANSION DEVICE B-64-19".

REMOVE ALL BEARING ASSEMBLIES UNDER THE BID ITEM "REMOVING BEARINGS B-64-19" AND REPLACE WITH LAMINATED ELASTOMERIC BEARINGS AT THE ABUTMENTS AND WITH NEW STEEL FIXED BEARINGS AT THE PIER.

CLEAN AND PAINT ALL EXPOSED STEEL SUPERSTRUCTURE SURFACES UNDERNEATH THE BRIDGE. THE SURFACES INCLUDE GIRDERS, DIAPHRAGMS, CONNECTIONS, ETC. ALL CLEANING AND PAINTING TO BE PAID FOR AS "STRUCTURE REPAINTING RECYCLED ABRASIVE B-64-19".

EXISTING STEEL SUPERSTRUCTURE SHALL BE PAINTED BLUE, FEDERAL COLOR NUMBER 25240.

REMOVE ALL VEGETATION FROM EXISTING CONCRETE SLOPE PAVING, INCLUDED IN THE BID ITEM "VEGETATION REMOVAL B-64-19".

THE UTILITY INFORMATION SHOWN ON THESE DRAWINGS CONCERNING TYPE AND LOCATION IS NOT GUARANTEED TO BE ACCURATE OR ALL-INCLUSIVE. THE CONTRACTOR IS RESPONSIBLE FOR MAKING HIS OWN DETERMINATION AS TO TYPE AND LOCATION OF UTILITIES AS MAY BE NECESSARY TO AVOID DAMAGE.

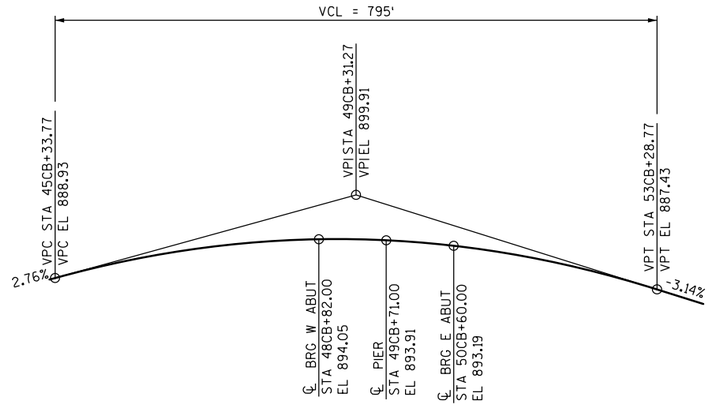
THE CONTRACTOR SHALL SUPPLY A NEW NAME PLATE IN ACCORDANCE WITH SECTION 502.3.11 OF THE STANDARD SPECIFICATIONS AND THE STANDARD DETAIL DRAWINGS. NAME PLATE TO SHOW ORIGINAL CONSTRUCTION YEAR OF 1965 AND SHALL BE CONSIDERED INCIDENTAL TO "CONCRETE MASONRY BRIDGES".

<PROPOSED ROADWAY STAGING CALLS FOR BRIDGE CLOSURE DURING DECK REPLACEMENT.>

TOTAL ESTIMATED QUANTITIES

ITEM NO.	BID ITEM	UNIT	SUPER	WEST ABUT.	PIER	EAST ABUT.	TOTAL
203.0200.XX	REMOVING OLD STRUCTURE STA. 49CB+71	LS					
203.0210.S.XX	ABATEMENT OF ASBESTOS CONTAINING MATERIAL B-64-19	LS					
203.0225.S.XX	DEBRIS CONTAINMENT B-64-19	LS					
206.1000.XX	EXCAVATION FOR STRUCTURES BRIDGES B-64-19	LS					
210.1500	BACKFILL STRUCTURE TYPE A	TON					
502.0100	CONCRETE MASONRY BRIDGES	CY					
502.3100.XX	EXPANSION DEVICE B-64-19	LS					
502.3200	PROTECTIVE SURFACE TREATMENT	SY					
502.3210	PIGMENTED SURFACE SEALER	SY					
502.42XX	ADHESIVE ANCHORS NO. X BARS	EACH					
502.6500	PROTECTIVE COATING CLEAR	GAL					
505.0600	BAR STEEL REINFORCEMENT HS COATED STRUCTURES	LB					
506.2610	BEARING PADS ELASTOMERIC LAMINATED	EACH					
506.5000	BEARING ASSEMBLIES FIXED B-64-19	EACH					
506.7050.S.XX	REMOVING BEARINGS B-64-19	EACH					
506.7060.S.XX	BRIDGE JACKING B-64-19	LS					
509.1500	CONCRETE SURFACE REPAIR	SF					
516.0500	RUBBERIZED MEMBRANE WATERPROOFING	SY					
517.0900.S.XX	PREPARATION AND COATING OF TOP FLANGES B-64-19	LS					
517.1800.S.XX	STRUCTURE REPAINTING RECYCLED ABRASIVE B-64-19	LS					
517.4500.S.XX	NEGATIVE PRESSURE CONTAINMENT AND COLLECTION OF WASTE MATERIALS B-64-19	LS					
517.6001.S	PORTABLE DECONTAMINATION FACILITY	EACH					
612.0206	PIPE UNDERDRAIN UNPERFORATED 6-INCH	LF					
612.0406	PIPE UNDERDRAIN WRAPPED 6-INCH	LF					
614.0150	ANCHOR ASSEMBLIES FOR STEEL PLATE BEAM GUARD	EACH					
645.0111	GEOTEXTILE TYPE DF SCHEDULE A	SY					
SPV.0060.XX	EMBEDDED GALVANIC ANODES	EACH					
SPV.0105.XX	VEGETATION REMOVAL B-64-19	LS					
SPV.0165.XX	LONGITUDINAL GROOVING BRIDGE DECK	SF					
	NON-BID ITEMS						
	NAME PLATE	EACH					
	RODENT SHIELD	EACH					
	PREFORMED JOINT FILLER	SIZE					

ALL ITEMS ARE CATEGORY XXXX



PROFILE GRADE LINE - CTH B

STATUS SET 1/31/18

PRELIMINARY PLANS

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-64-19

DRAWN BY HDA | PLANS CK'D. EAJ

GENERAL NOTES & QUANTITIES

SHEET 3 OF 3

PRE_42

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FILE NAME : \\milw00\ingrproj\68977\b1\B-64-19\cds\B19_080103_gn.dgn

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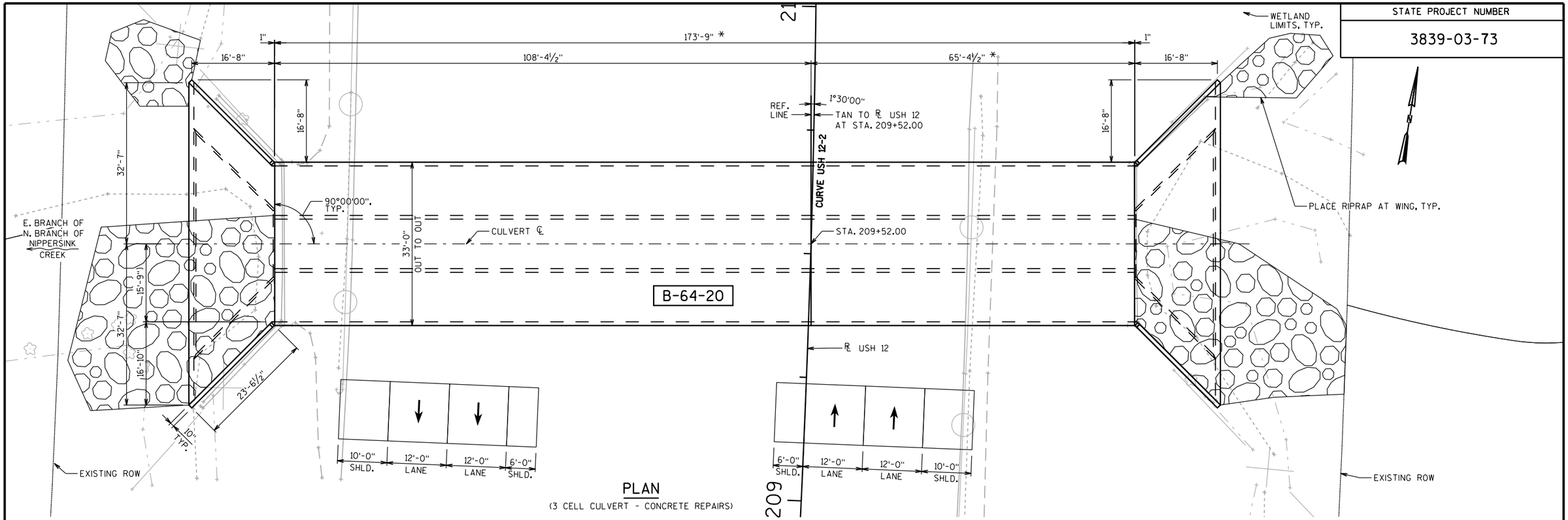
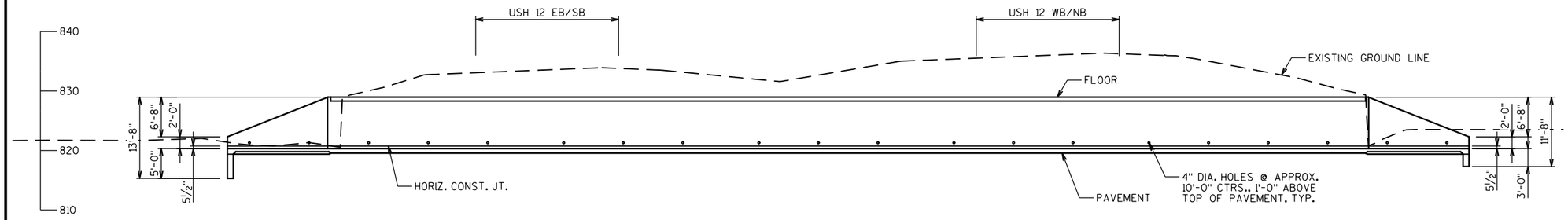
STATE PROJECT NUMBER
3839-03-73



PLAN
(3 CELL CULVERT - CONCRETE REPAIRS)



ELEVATION
(LOOKING NORTH)

TRAFFIC DATA

USH 12

EXISTING A.D.T. = 9,500 (2015)
FUTURE A.D.T. = 11,800 (2040)
R.D.S. = 70 M.P.H.

DESIGN DATA

LIVE LOAD

INVENTORY RATING: HSXX
OPERATING RATING: HSXX
WISCONSIN STANDARD PERMIT VEHICLE (WIS-SPV) = XXX KIPS

MATERIAL PROPERTIES

CONCRETE MASONRY ..... f'c = 3,500 psi
BAR STEEL REINFORCEMENT ..... fy = 60,000 psi

HORIZONTAL CURVE DATA

CURVE USH 12-2

P.I. = 218+60.25
Δ = 54° 10' 00" L
D = 2° 00' 00"
T = 1,464.93'
L = 2,708.33'
R = 2,864.79'
P.C. = 203+95.32
P.T. = 231+03.65

LIST OF DRAWINGS

1. GENERAL PLAN & ELEVATION
2. TYPICAL SECTIONS, GENERAL NOTES & QUANTITIES

LEGEND

→ TRAFFIC DIRECTION

* LENGTH SHOWN BASED ON SURVEYED STRUCTURE. BOX LENGTH PER ORIGINAL PLANS IS 163'-9".

STATUS SET 1/31/18

PRELIMINARY PLANS

STRUCTURES DESIGN CONTACTS

BRIDGE OFFICE:
WILLIAM DREHER (608) 266-8489
CONSULTANT:
PAT CASHIN (414) 359-2300

NO.	DATE	REVISION	BY

ORIGINAL PLANS PREPARED BY

HNTB
11414 W. PARK PLACE
MILWAUKEE, WI 53224
(414) 359-2300

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

ACCEPTED _____ _____
CHIEF STRUCTURES DESIGN ENGINEER DATE

STRUCTURE B-64-20

USH 12 OVER E. BRANCH N. BRANCH NIPPERSINK CREEK

COUNTY	TOWN
WALWORTH	BLOOMFIELD

DESIGN SPEC. REHABILITATION N/A

DESIGNED BY	DESIGN CK'D.	DRAWN BY	PLANS CK'D.
HDA	PJC	HDA	EAJ

GENERAL PLAN & ELEVATION

SHEET 1 OF 2

PRE_43

8

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STATE PROJECT NUMBER
3839-03-73

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED. UNLESS OTHERWISE NOTED.

DIMENSIONS SHOWN ARE BASED ON THE EXISTING STRUCTURE PLANS, UNLESS OTHERWISE NOTED.

ALL DIMENSIONS ARE IN FEET AND INCHES UNLESS OTHERWISE NOTED. ALL STATIONS AND ELEVATIONS ARE IN FEET.

THE EXISITNG STRUCTURE IS A 3-CELL CONCRETE BOX CULVERT WITH AN OVERALL WIDTH OF 33'-0" AND A LENGTH OF 163'-9"

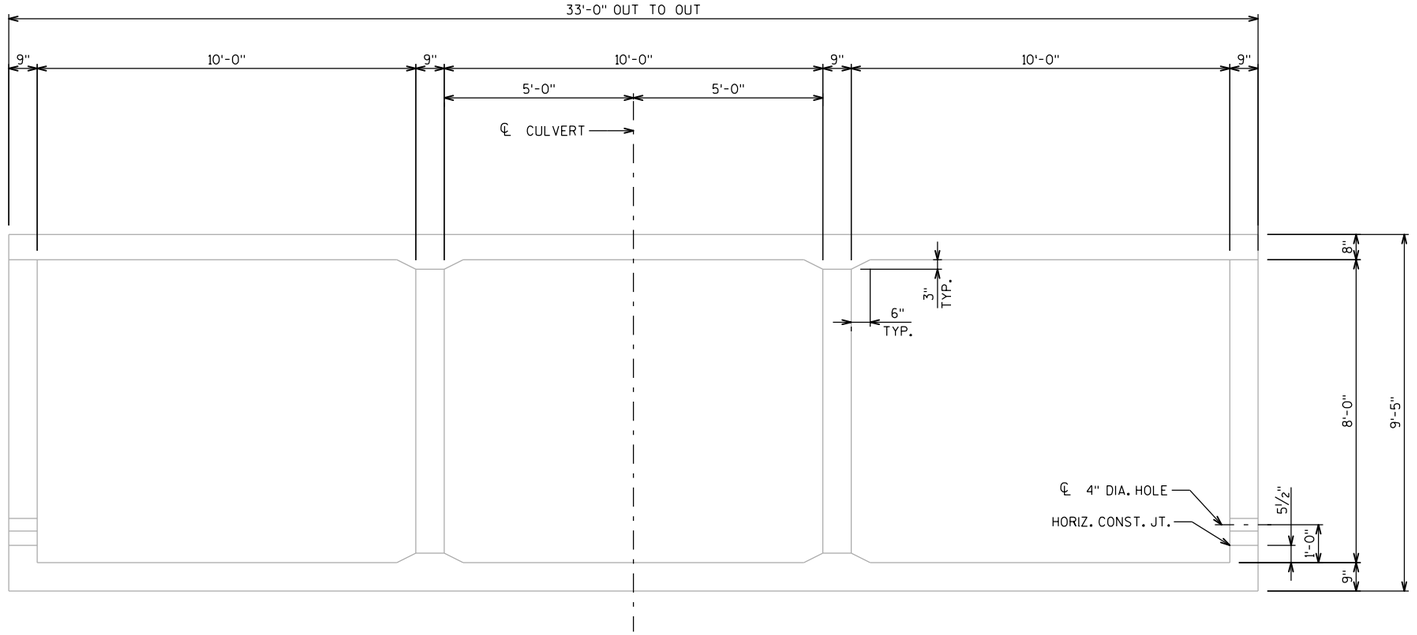
ALL CONCRETE REMOVAL SHALL BE DEFINED IWTH A 1-INCH DEEP SAW CUT.

"CONCRETE SURFACE REPAIR" AREAS SHOWN IN THE QUANTITIES TABLE ARE BASED ON THE BRIDGE INSPECTION REPORT AND ARE APPROXIMATE. EXACT AREAS OF REPAIR SHALL BE DETERMINED IN THE FIELD BY THE PROJECT ENGINEER. ALL CONCRETE SURFACE REPAIRS SHALL INCLUDE "EMBEDDED GALVANIC ANODES", PAID FOR SEPARATELY.

BEVEL EDGES OF EXPOSED CONCRETE 3/4" MIN. OR MATCH EXISTING BEVELS UNLESS NOTED OTHERWISE.

REMOVE ALL DEBRIS AND VEGETATION FROM CULVERT OPENINGS AND APRONS. <BETTER DEFINE LIMITS> INCLUDED IN THE BID ITEM "VEGETATION AND DEBRIS REMOVAL B-64-20".

THE UTILITY INFORMATION SHOWN ON THESE DRAWINGS CONCERNING TYPE AND LOCATION IS NOT GUARANTEED TO BE ACCURATE OR ALL-INCLUSIVE. THE CONTRACTOR IS RESPONSIBLE FOR MAKING HIS OWN DETERMINATION AS TO TYPE AND LOCATION OF UTILITIES AS MAY BE NECESSARY TO AVOID DAMAGE.



TYPICAL SECTION
(LOOKING EAST)

HYDRAULIC DATA *

EAST BRANCH OF NORTH BRANCH OF NIPPERSINK CREEK

DRAINAGE AREA = 1.1 SQ. MI.
SCOUR CRITICAL CODE = 8
ROAD OVERTOPPING = N/A

* FROM HSI SYSTEM 1/8/2018 (HSI ZERO VALUES NOT SHOWN)

TOTAL ESTIMATED QUANTITIES

ITEM NO.	BID ITEM	UNIT	TOTAL
203.0600.S.XX	REMOVING OLD STRUCTURE OVER WATERWAY WITH MINIMAL DEBRIS STA. 209+52	LS	
509.1500	CONCRETE SURFACE REPAIR	SF	
606.0300	RIPRAP HEAVY	CY	
SPV.0060.XX	EMBEDDED GALVANIC ANODES	EACH	
SPV.0105.XX	VEGETATION AND DEBRIS REMOVAL B-64-20	LS	
	NON-BID ITEMS		

ALL ITEMS ARE CATEGORY XXXX

STATUS SET 1/31/18

PRELIMINARY PLANS

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-64-20

DRAWN BY HDA | PLANS CK'D. EAJ

TYPICAL SECTION, GENERAL NOTES & QUANTITIES

SHEET 2 OF 2

PRE_44

8

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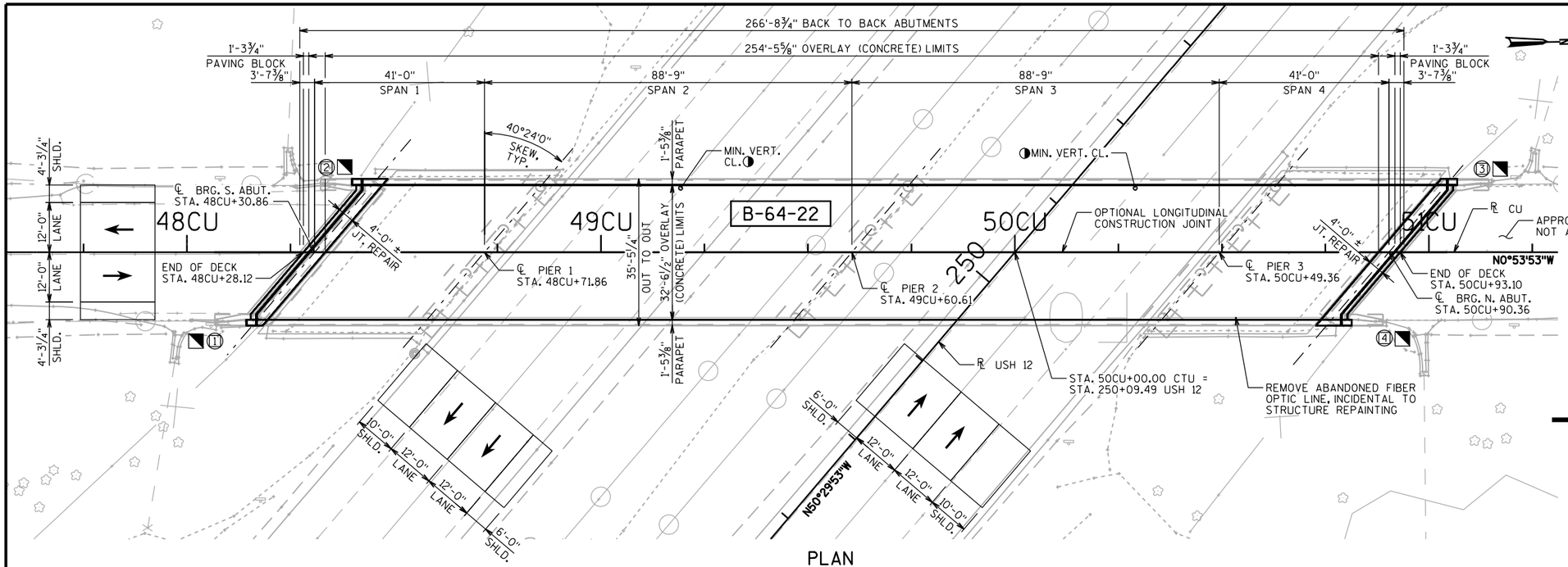
FILE NAME : \\milw00\ingrproj\68977\b1\B-64-20\cds\B20_080102_ts.dgn PLOT DATE : 1/30/2018 2:59:04 PM PLOT BY : HAnders PLOT NAME : $FILE$ PLOT SCALE : 4:1

STATE PROJECT NUMBER
3839-03-73



PLAN

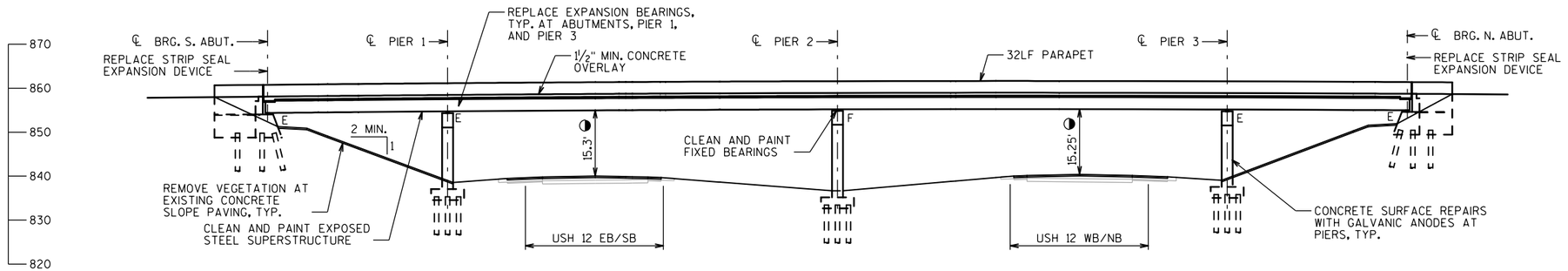
(CONCRETE OVERLAY OF 4 SPAN STEEL GIRDERS)

LIST OF DRAWINGS

1. GENERAL PLAN & ELEVATION
2. TYPICAL SECTION, GENERAL NOTES & QUANTITIES

LEGEND

- TRAFFIC DIRECTION
- LOCATION PER INSPECTION REPORT. MIN. CLEARANCE TAKEN FROM HSI SYSTEM 9-27-2017.
- (X) WING NUMBER
- LOCATION OF SURFACE DRAIN ANCORS



ELEVATION

(LOOKING WEST)

TRAFFIC DATA

CTH U

EXISTING A.D.T. = 1,500 (2009)
FUTURE A.D.T. = 2,100 (2040)
R.D.S. = 60 M.P.H.

USH 12

EXISTING A.D.T. = 9,500 (2015)
FUTURE A.D.T. = 11,800 (2040)
R.D.S. = 70 M.P.H.

DESIGN DATA

LIVE LOAD

INVENTORY RATING: HSXX
OPERATING RATING: HSXX
WISCONSIN STANDARD PERMIT VEHICLE (WIS-SPV) = XXX KIPS

MATERIAL PROPERTIES

CONCRETE MASONRY OVERLAY DECKS ..... f'c = 4,000 psi
CONCRETE MASONRY:
SUPERSTRUCTURE ..... f'c = 4,000 psi
ALL OTHER ..... f'c = 3,500 psi
BAR STEEL REINFORCEMENT ..... fy = 60,000 psi

STATUS SET 1/31/18

PRELIMINARY PLANS

STRUCTURES DESIGN CONTACTS

BRIDGE OFFICE:
WILLIAM DREHER (608) 266-8489
CONSULTANT:
PAT CASHIN (414) 359-2300

NO.	DATE	REVISION	BY

ORIGINAL PLANS PREPARED BY

HNTB
11414 W. PARK PLACE
MILWAUKEE, WI 53224
(414) 359-2300

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

ACCEPTED _____ _____
CHIEF STRUCTURES DESIGN ENGINEER DATE

STRUCTURE B-64-22

CTH U OVER USH 12

COUNTY	TOWN
WALWORTH	BLOOMFIELD

DESIGN SPEC. REHABILITATION N/A

DESIGNED BY	HDA	DESIGN CK'D.	PJC	DRAWN BY	HDA	PLANS CK'D.	EAJ

GENERAL PLAN & ELEVATION

SHEET 1 OF 2

PRE_45

STATE PROJECT NUMBER
3839-03-73

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

DIMENSIONS SHOWN ARE BASED ON THE EXISTING STRUCTURE PLANS.

ALL DIMENSIONS ARE IN FEET AND INCHES UNLESS OTHERWISE NOTED. ALL STATIONS AND ELEVATIONS ARE IN FEET.

REMOVAL OF THE PARAPET AT THE JOINTS IS INCLUDED IN BID ITEM "JOINT REPAIR".

APPLY "PROTECTIVE SURFACE TREATMENT" TO THE ENTIRE TOP SURFACE OF THE NEW CONCRETE OVERLAY AND THE TOP OF ANY NEW DECK AND PAVING BLOCK CONCRETE ASSOCIATED WITH THE JOINT REPLACEMENT.

APPLY "PIGMENTED SURFACE SEALER" TO THE TOP AND INSIDE FACES OF EXISTING PARAPETS. PERFORM "CLEANING PARAPETS" PRIOR TO THIS APPLICATION. APPLY "PIGMENTED SURFACE SEALER" TO THE TOP AND INSIDE FACES OF NEW SECTIONS OF PARAPET AT THE JOINT REPLACEMENTS.

"PREPARATION DECKS TYPE 1", "PREPARATION DECKS TYPE 2", AND "FULL-DEPTH DECK REPAIR" AREAS ARE BASED ON THE PLANS AND AS DETERMINED BY THE ENGINEER. DECK PREPARATION AND FULL-DEPTH DECK REPAIRS SHALL BE FILLED WITH "CONCRETE MASONRY OVERLAY DECKS". <AREAS TO BE ADDED FOR FINAL PLANS.>

"CONCRETE SURFACE REPAIR" AREAS SHOWN IN THE QUANTITIES TABLE ARE BASED ON THE BRIDGE INSPECTION REPORT AND ARE APPROXIMATE. EXACT AREAS OF REPAIR SHALL BE DETERMINED IN THE FIELD BY THE PROJECT ENGINEER. ALL SUBSTRUCTURE CONCRETE SURFACE REPAIRS SHALL INCLUDE "EMBEDDED GALVANIC ANODES", PAID FOR SEPARATELY.

ANY EXCAVATION REQUIRED TO COMPLETE THE CONCRETE OVERLAY OR JOINT REPAIRS AT THE ABUTMENTS IS TO BE CONSIDERED INCIDENTAL TO THE BID ITEM "CONCRETE MASONRY OVERLAY DECKS".

NEW CONCRETE AT JOINT REPAIR IS PAID FOR AS "CONCRETE MASONRY OVERLAY DECKS". THIS INCLUDES THE CONCRETE TO REPLACE SECTIONS OF PARAPET WITHIN THE JOINT REPAIR LIMITS.

BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2" CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

ALL REINFORCING BARS ARE ENGLISH. THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE. BAR DIMENSIONS ARE OUT TO OUT OF BAR.

UTILIZE EXISTING BAR STEEL REINFORCEMENT WHERE SHOWN AND EXTEND 24 BAR DIAMETERS INTO NEW WORK, UNLESS SPECIFIED OTHERWISE.

UNDER THE BID ITEM "ADHESIVE ANCHORS NO. X BAR", ANCHORED REINFORCING STEEL SHALL BE PAID FOR SEPARATELY AS PROVIDED IN SECTION 505 OF THE STANDARD SPECIFICATIONS FOR BAR STEEL REINFORCEMENT.

BEVEL EDGES OF EXPOSED CONCRETE $\frac{3}{4}$" MIN. OR MATCH EXISTING BEVELS UNLESS NOTED OTHERWISE.

A MINIMUM OF 1-INCH OF CONCRETE SHALL BE REMOVED FROM THE ENTIRE BRIDGE DECK UNDER THE BID ITEM "CLEANING DECKS".

PROFILE GRADE LINE SHALL BE DETERMINED IN THE FIELD BASED ON A MINIMUM OVERLAY THICKNESS OF 1 $\frac{1}{2}$" PLACED ABOVE THE DECK SURFACE AFTER SURFACE PREPARATION. THE EXPECTED AVERAGE OVERLAY THICKNESS IS 2". IF EXPECTED AVERAGE OVERLAY THICKNESS IS EXCEEDED BY MORE THAN $\frac{1}{2}$", CONTACT THE STRUCTURES DESIGN SECTION.

EXPANSION JOINT ASSEMBLY, INCLUDING ANCHOR STUDS AND HARDWARE, SHALL BE PAID FOR IN THE LUMP SUM PRICE BID AS "EXPANSION DEVICE B-64-22".

REMOVE DESIGNATED MOVEABLE BEARING ASSEMBLIES AT THE ABUTMENTS AND PIERS 1 AND 3 UNDER THE BID ITEM "REMOVING BEARINGS B-64-22" AND REPLACE WITH LAMINATED ELASTOMERIC BEARINGS.

EXISTING FIXED BEARINGS AT PIER 2 TO BE CLEANED AND PAINTED.

CLEAN AND PAINT ALL EXPOSED STEEL SUPERSTRUCTURE SURFACES UNDERNEATH THE BRIDGE. THE SURFACES INCLUDE GIRDERS, DIAPHRAGMS, CONNECTIONS, FIXED BEARINGS, ETC. ALL CLEANING AND PAINTING TO BE PAID FOR AS "STRUCTURE REPAINTING RECYCLED ABRASIVE B-64-22". PAINT APPLICATIONS ON THE BEARINGS SHOULD BE BRUSHED ON.

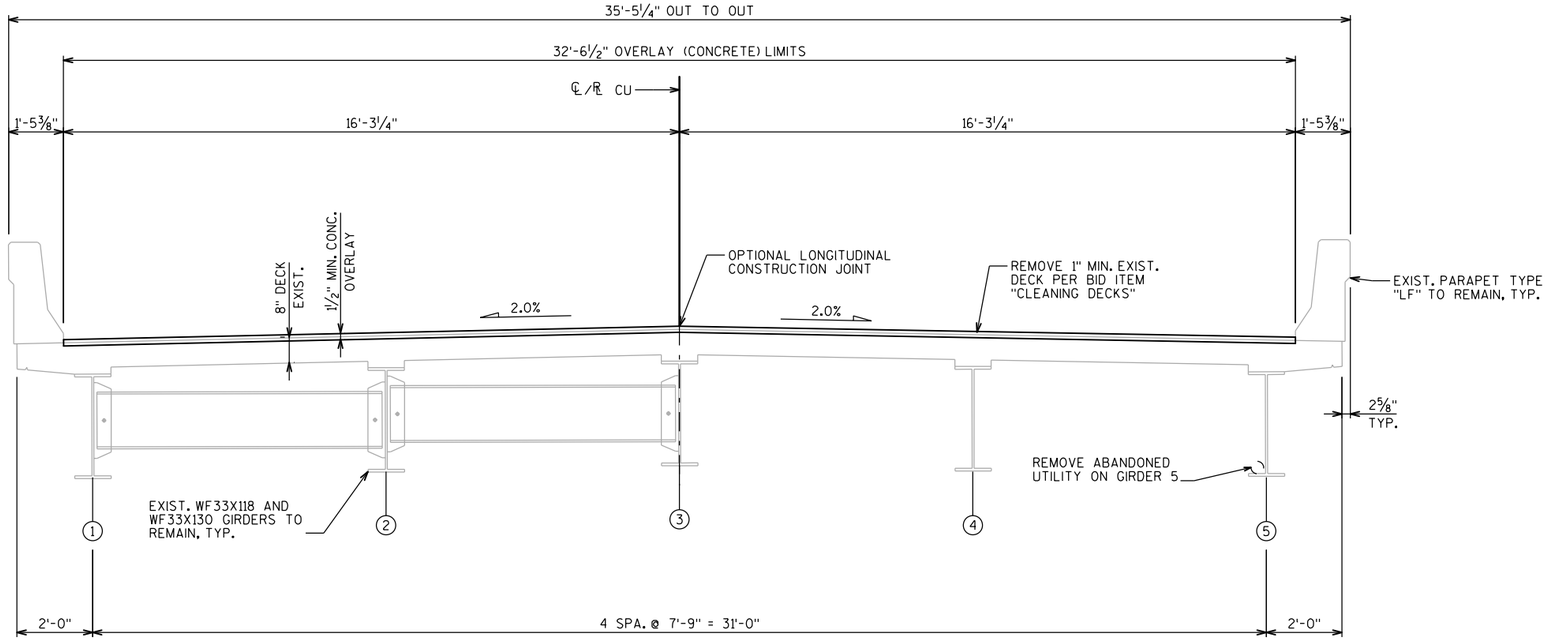
EXISTING STEEL SUPERSTRUCTURE AND BEARINGS SHALL BE PAINTED BLUE, FEDERAL COLOR NUMBER 25240.

REMOVE ALL VEGETATION FROM EXISTING CONCRETE SLOPE PAVING, INCLUDED IN THE BID ITEM "VEGETATION REMOVAL B-64-22".

THE UTILITY INFORMATION SHOWN ON THESE DRAWINGS CONCERNING TYPE AND LOCATION IS NOT GUARANTEED TO BE ACCURATE OR ALL-INCLUSIVE. THE CONTRACTOR IS RESPONSIBLE FOR MAKING HIS OWN DETERMINATION AS TO TYPE AND LOCATION OF UTILITIES AS MAY BE NECESSARY TO AVOID DAMAGE.

<PROPOSED ROADWAY STAGING CALLS FOR BRIDGE CLOSURE DURING OVERLAY AND ON-DECK WORK.>

2" AVERAGE OVERLAY THICKNESS



AT DIAPHRAGMS

IN SPAN

TYPICAL SECTION

(LOOKING NORTH)

TOTAL ESTIMATED QUANTITIES

ITEM NO.	BID ITEM	UNIT	TOTAL
203.0225.S.XX	DEBRIS CONTAINMENT B-64-22	LS	
502.3100.XX	EXPANSION DEVICE B-64-22	LS	
502.3200	PROTECTIVE SURFACE TREATMENT	SY	
502.3210	PIGMENTED SURFACE SEALER	SY	
502.42XX	ADHESIVE ANCHORS NO. X BAR	EACH	
505.0600	BAR STEEL REINFORCEMENT HS COATED STRUCTURES	LB	
506.2610	BEARING PADS ELASTOMERIC LAMINATED	EACH	
506.7050.S.XX	REMOVING BEARINGS B-64-22	EACH	
509.0301	PREPARATION DECKS TYPE 1	SY	
509.0302	PREPARATION DECKS TYPE 2	SY	
509.0500	CLEANING DECKS	SY	
509.1000	JOINT REPAIR	SY	
509.1500	CONCRETE SURFACE REPAIR	SF	
509.2000	FULL-DEPTH DECK REPAIR	SY	
509.2500	CONCRETE MASONRY OVERLAY DECKS	CY	
509.9050.S	CLEANING PARAPETS	LF	
517.1800.S.XX	STRUCTURE REPAINTING RECYCLED ABRASIVE B-64-22	LS	
517.4500.S.XX	NEGATIVE PRESSURE CONTAINMENT AND COLLECTION OF WASTE MATERIALS B-64-22	LS	
517.6001.S	PORTABLE DECONTAMINATION FACILITY	EACH	
SPV.0060.XX	EMBEDDED GALVANIC ANODES	EACH	
SPV.0105.XX	VEGETATION REMOVAL B-64-22	LS	
	NON-BID ITEMS		

ALL ITEMS ARE CATEGORY XXXX

PRELIMINARY PLANS

STATUS SET 1/31/18

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-64-22

DRAWN BY HDA | PLANS CK'D. EAJ

TYPICAL SECTION, GENERAL NOTES & QUANTITIES

SHEET 2 OF 2

PRE_46

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FILE NAME : \\milw00\ingrproj\68977\b1\B-64-22\cds\B22_080102_ts.dgn

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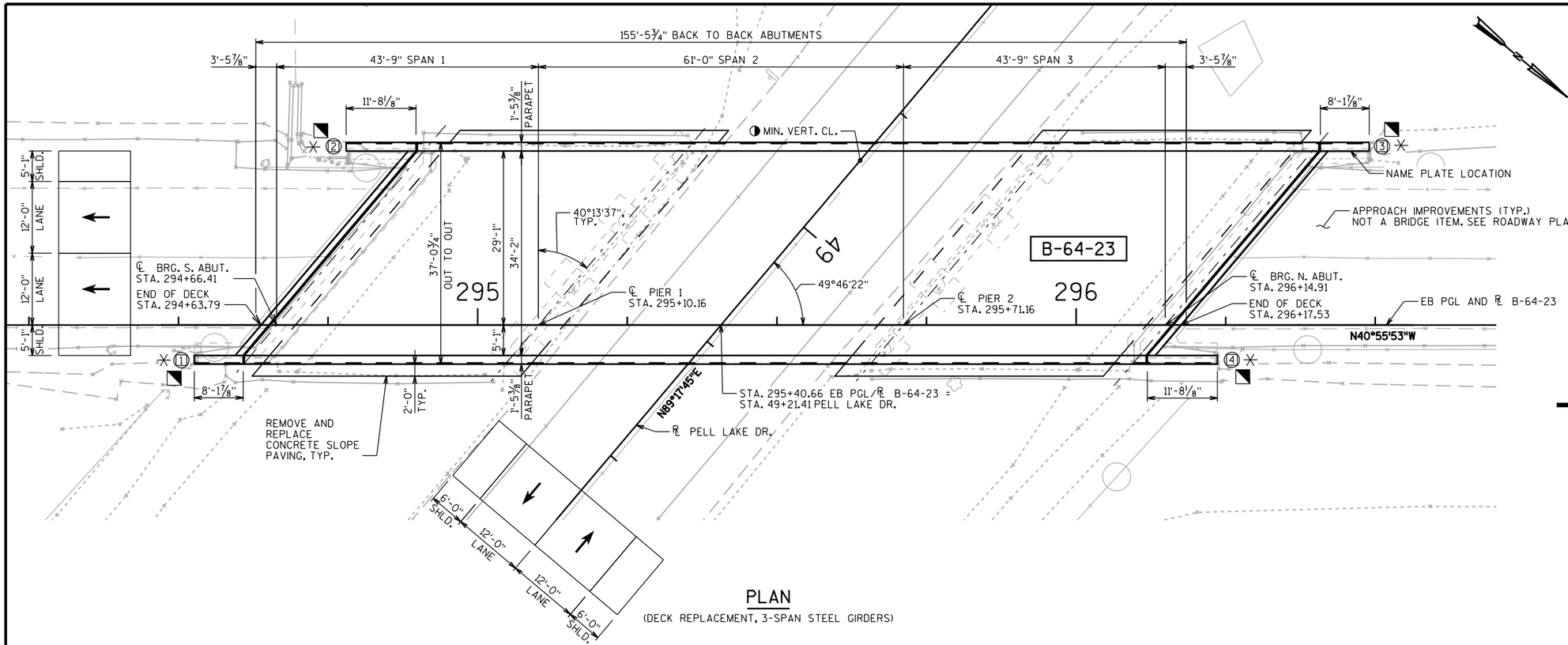
STATE PROJECT NUMBER
3839-03-73



PLAN

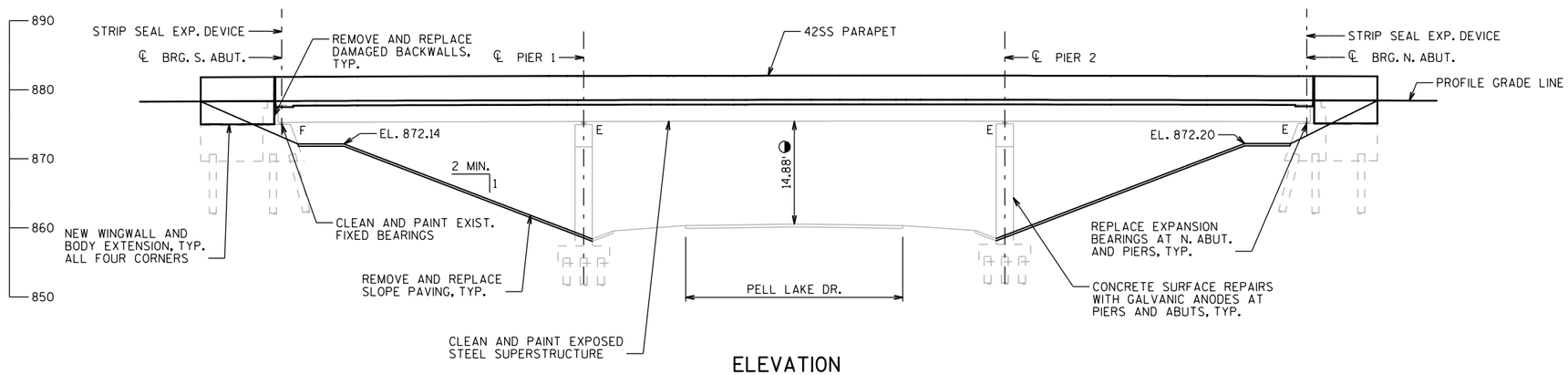
(DECK REPLACEMENT, 3-SPAN STEEL GIRDERS)

LIST OF DRAWINGS

1. GENERAL PLAN & ELEVATION
2. TYPICAL SECTIONS
3. GENERAL NOTES & QUANTITIES

LEGEND

- TRAFFIC DIRECTION
- LOCATION PER EXISTING PLANS AND INSPECTION REPORT. MIN. CLEARANCE TAKEN FROM HSI SYSTEM 10-6-2017.
- (X) WING NUMBER
- LOCATION OF "ANCHOR ASSEMBLIES FOR STEEL PLATE BEAM GUARD"
- LOCATION OF SURFACE DRAIN ANCORS



ELEVATION

(LOOKING WEST)

TRAFFIC DATA

USH 12

EXISTING A.D.T. = 9,500 (2015)
FUTURE A.D.T. = 11,800 (2040)
R.D.S. = 70 M.P.H.

PELL LAKE DR.

EXISTING A.D.T. = 3,700 (2015)
FUTURE A.D.T. = 5,200 (2040)
R.D.S. = 40 M.P.H.

DESIGN DATA

LIVE LOAD

INVENTORY RATING: HSXX
OPERATING RATING: HSXX
WISCONSIN STANDARD PERMIT VEHICLE (WIS-SPV) = XXX KIPS

MATERIAL PROPERTIES

CONCRETE MASONRY:
SUPERSTRUCTURE ..... f'c = 4,000 psi
ALL OTHER ..... f'c = 3,500 psi
BAR STEEL REINFORCEMENT ..... fy = 60,000 psi

STATUS SET 1/31/18

PRELIMINARY PLANS

STRUCTURES DESIGN CONTACTS

BRIDGE OFFICE:
WILLIAM DREHER (608) 266-8489
CONSULTANT:
PAT CASHIN (414) 359-2300

NO.	DATE	REVISION	BY

ORIGINAL PLANS PREPARED BY

HNTB 11414 W. PARK PLACE MILWAUKEE, WI 53224 (414) 359-2300

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

ACCEPTED _____ _____
CHIEF STRUCTURES DESIGN ENGINEER DATE

STRUCTURE B-64-23

USH 12 EB/SB OVER PELL LAKE DR.

COUNTY	TOWN
WALWORTH	BLOOMFIELD

DESIGN SPEC. REHABILITATION N/A

DESIGNED BY	DESIGN CK'D.	DRAWN BY	PLANS CK'D.
HDA	PJC	HDA	EAJ

GENERAL PLAN & ELEVATION

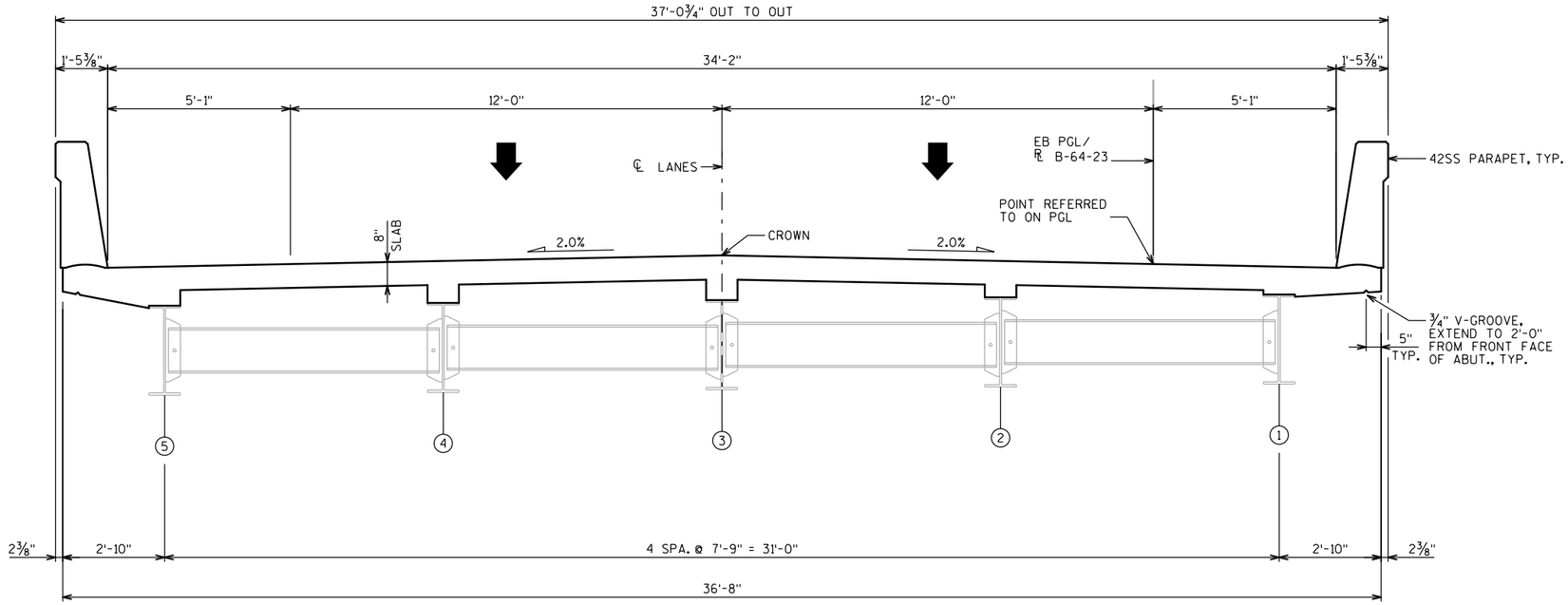
SHEET 1 OF 3

PRE_47

8

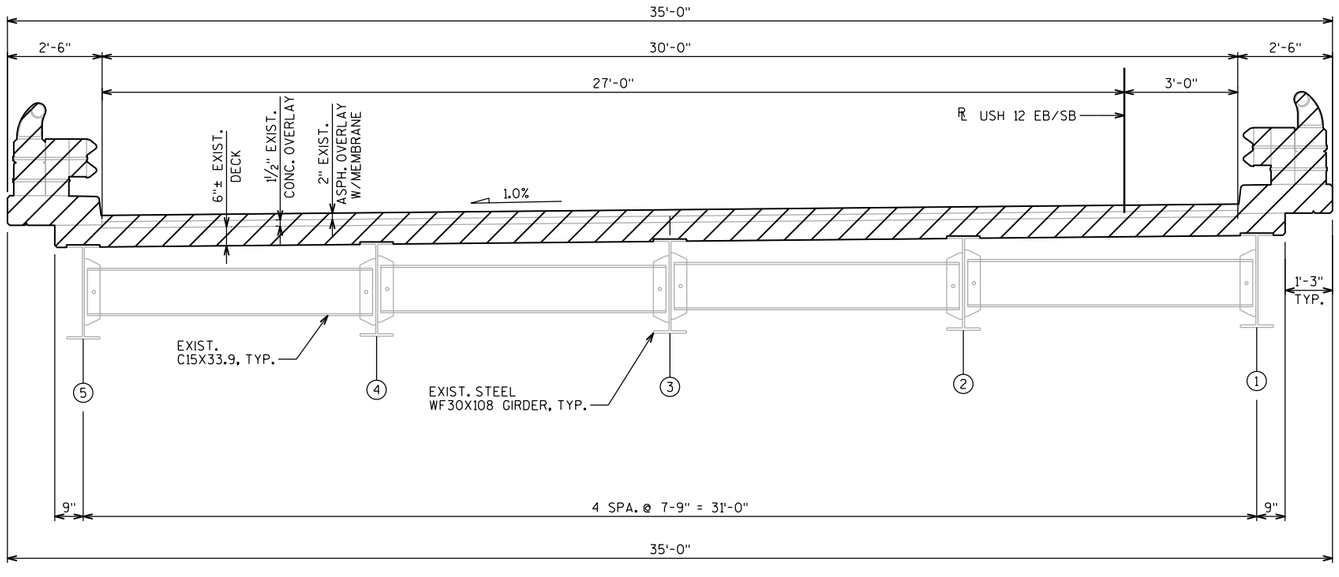
FILE NAME : \\milw00\ingrproj\68977\b1\B-64-23\cds\B23_080101_gp.dgn PLOT DATE : 1/30/2018 2:59:09 PM PLOT BY : HAnders PLOT NAME : $FILE$ PLOT SCALE : 20:1

STATE PROJECT NUMBER
3839-03-73



PROPOSED TYPICAL SECTION

(LOOKING NORTH)



EXISTING TYPICAL SECTION

(LOOKING NORTH)

LEGEND

REMOVAL LIMITS. REMOVAL TO INCLUDE CONCRETE AND ASPHALT OVERLAYS, DECK, BRUSH CURB, PARAPETS, AND ALUMINUM RAILINGS.

STATUS SET
1/31/18

PRELIMINARY PLANS

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-64-23

DRAWN BY HDA | PLANS CK'D. EAJ

TYPICAL SECTION

SHEET 2 OF 3

PRE_48

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FILE NAME : \\milw00\ingrproj\68977\b1\B-64-23\cds\B23_080102_ts.dgn PLOT DATE : 1/30/2018 2:59:10 PM PLOT BY : HAnders PLOT NAME : $FILE$ PLOT SCALE : 4:1

STATE PROJECT NUMBER
3839-03-73

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

DIMENSIONS SHOWN ARE BASED ON THE EXISTING STRUCTURE PLANS.

ALL DIMENSIONS ARE IN FEET AND INCHES UNLESS OTHERWISE NOTED. ALL STATIONS AND ELEVATIONS ARE IN FEET.

THE EXISTING STRUCTURE IS A 3-SPAN STEEL DECK GIRDER BRIDGE WITH AN OVERALL WIDTH OF 35' AND A LENGTH OF 151'-1½". THE EXISITNG 6"± DECK WITH 1½" CONCRETE OVERLAY AND 2" ASPHALT OVERLAY WITH MEMBRANE, PARAPETS, PAVING BLOCKS, AND EXPANSION DEVICES ARE TO BE REMOVED AND REPLACED.

ALL CONCRETE REMOVAL SHALL BE DEFINED WITH A 1-INCH DEEP SAW CUT. EXERCISE CAUTION WHEN REMOVING OLD DECK AS TO NOT DAMAGE EXISTING GIRDERS AND SHEAR CONNECTORS.

REMOVAL OF EXISTING CONRETE SLOPE PAVING PAID FOR UNDER "REMOVING CONCRETE SLOPE PAVING".

APPLY "PROTECTIVE SURFACE TREATMENT" TO THE ENTIRE TOP SURFACE OF THE NEW DECK AND PAVING BLOCKS.

APPLY "PIGMENTED SURFACE SEALER" TO THE TOP AND INSIDE FACES OF PARAPETS.

LOCATIONS OF THE FOLLOWING BID ITEMS SHALL BE DETERMINED IN THE FIELD BY THE PROJECT ENGINEER. QUANTITIES SHOWN FOR THESE ITEMS ARE APPROXIMATE.
- EPOXY CRACK SEALING

"CONCRETE SURFACE REPAIR" AREAS SHOWN IN THE QUANTITIES TABLE ARE BASED ON THE BRIDGE INSPECTION REPORT AND ARE APPROXIMATE. EXACT AREAS OF REPAIR SHALL BE DETERMINED IN THE FIELD BY THE PROJECT ENGINEER. ALL SUBSTRUCTURE CONCRETE SURFACE REPAIRS SHALL INCLUDE "EMBEDDED GALVANIC ANODES", PAID FOR SEPARATELY.

THE EXISTING GROUNDLINE SHALL BE THE UPPER LIMITS OF EXCAVATION FOR STRUCTURES.

AT THE BACKFACE OF ABUTMENT ALL VOLUME NOT OCCUPIED BY THE NEW STRUCTURE SHALL BE BACKFILLED WITH STRUCTURE BACKFILL TYPE A.

JOINT FILLER SHALL CONFORM TO THE REQUIREMENTS OF AASHTO M153 TYPE 1, 2, OR 3, OR AASTO M213.

SEAL ALL EXPOSED HORIZONTAL AND VERTICAL SURFACES OF 1" JOINT FILLER HOT POURED JOINT SEALANT (½" DEEP AND HOLD ¼" BELOW SURFACE OF CONCRETE).

BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2" CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

ALL REINFORCING BARS ARE ENGLISH. THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE. BAR DIMENSIONS ARE OUT TO OUT OF BAR.

UTILIZE EXISTING BAR STEEL REINFORCEMENT WHERE SHOWN AND EXTEND 24 BAR DIAMETERS INTO NEW WORK, UNLESS SPECIFIED OTHERWISE.

UNDER THE BID ITEM "ADHESIVE ANCHORS NO. X BAR", ANCHORED REINFORCING STEEL SHALL BE PAID FOR SEPARATELY AS PROVIDED IN SECTION 505 OF THE STANDARD SPECIFICATIONS FOR BAR STEEL REINFORCEMENT.

BEVEL EDGES OF EXPOSED CONCRETE ¾" MIN. OR MATCH EXISTING BEVELS UNLESS NOTED OTHERWISE.

THE HAUNCH CONCRETE QUANTITY IS BASED ON AN AVERAGE HAUNCH OF X". THIS IS THE MAXIMUM HAUNCH QUANTITY FOR WHICH THE CONTRACTOR WILL BE PAID.

VARIATIONS TO THE NEW GRADE LINE OVER ¼" MUST BE SUBMITTED BY THE FIELD ENGINEER TO THE STRUCTURES DESIGN SECTION FOR REVIEW.

EXPANSION JOINT ASSEMBLY, INCLUDING ANCHOR STUDS AND HARDWARE, SHALL BE PAID FOR IN THE LUMP SUM PRICE BID AS "EXPANSION DEVICE B-64-23".

REMOVE ALL EXPANSION BEARING ASSEMBLIES UNDER THE BID ITEM "REMOVING BEARINGS B-64-23" AND REPLACE WITH LAMINATED ELASTOMERIC BEARINGS AT THE NORTH ABUTMENT AND PIERS.

CLEAN AND PAINT EXISTING FIXED BEARINGS AT THE SOUTH ABUTMENT.

CLEAN AND PAINT ALL EXPOSED STEEL SUPERSTRUCTURE SURFACES UNDERNEATH THE BRIDGE. THE SURFACES INCLUDE GIRDERS, DIAPHRAGMS, CONNECTIONS, FIXED BEARINGS, ETC. ALL CLEANING AND PAINTING TO BE PAID FOR AS "STRUCTURE REPAINTING RECYCLED ABRASIVE B-64-23". PAINT APPLICATIONS ON THE BEARINGS TO BE BRUSHED ON.

EXISTING STEEL SUPERSTRUCTURE SHALL BE PAINTED BLUE, FEDERAL COLOR NUMBER 25240.

THE UTILITY INFORMATION SHOWN ON THESE DRAWINGS CONCERNING TYPE AND LOCATION IS NOT GUARANTEED TO BE ACCURATE OR ALL-INCLUSIVE. THE CONTRACTOR IS RESPONSIBLE FOR MAKING HIS OWN DETERMINATION AS TO TYPE AND LOCATION OF UTILITIES AS MAY BE NECESSARY TO AVOID DAMAGE.

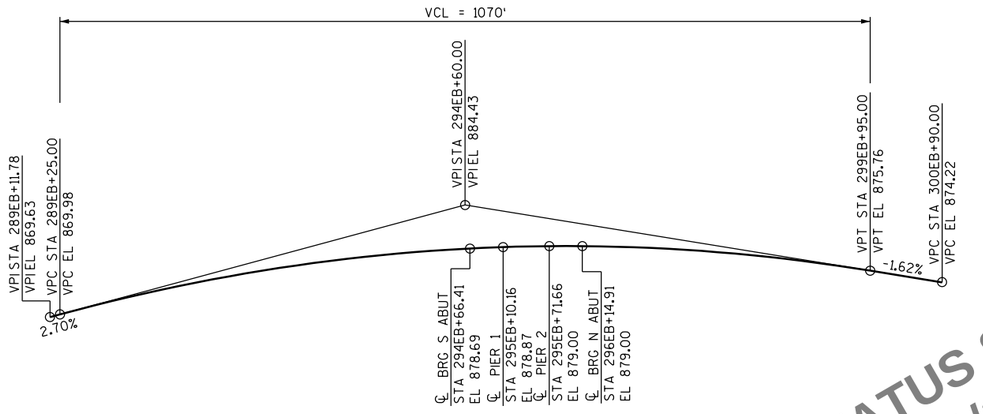
THE CONTRACTOR SHALL SUPPLY A NEW NAME PLATE IN ACCORDANCE WITH SECTION 502.3.11 OF THE STANDARD SPECIFICATIONS AND THE STANDARD DETAIL DRAWINGS. NAME PLATE TO SHOW ORIGINAL CONSTRUCTION YEAR OF 1965 AND SHALL BE CONSIDERED INCIDENTAL TO "CONCRETE MASONRY BRIDGES".

<PROPOSED ROADWAY STAGING CALLS FOR BRIDGE CLOSURE DURING DECK REPLACEMENT.>

TOTAL ESTIMATED QUANTITIES

ITEM NO.	BID ITEM	UNIT	SUPER	SOUTH ABUT.	PIER 1	PIER 2	NORTH ABUT.	TOTAL
203.0200.XX	REMOVING OLD STRUCTURE STA. 295+40	LS						
203.0210.S.XX	ABATEMENT OF ASBESTOS CONTAINING MATERIAL B-64-23	LS						
203.0225.S.XX	DEBRIS CONTAINMENT B-64-23	LS						
204.0175	REMOVING CONCRETE SLOPE PAVING	SY						
206.1000.XX	EXCAVATION FOR STRUCTURES BRIDGES B-64-23	LS						
210.1500	BACKFILL STRUCTURE TYPE A	TON						
502.0100	CONCRETE MASONRY BRIDGES	CY						
502.3100.XX	EXPANSION DEVICE B-64-23	LS						
502.3200	PROTECTIVE SURFACE TREATMENT	SY						
502.3210	PIGMENTED SURFACE SEALER	SY						
502.42XX	ADHESIVE ANCHORS NO. X BAR	EACH						
502.6500	PROTECTIVE COATING CLEAR	GAL						
505.0600	BAR STEEL REINFORCEMENT HS COATED STRUCTURES	LB						
506.2610	BEARING PADS ELASTOMERIC LAMINATED	EACH						
506.7050.S.XX	REMOVING BEARINGS B-64-23	EACH						
509.1500	CONCRETE SURFACE REPAIR	SF						
509.9020.S	EPOXY CRACK SEALING	LF						
516.0500	RUBBERIZED MEMBRANE WATERPROOFING	SY						
517.0900.S.XX	PREPARATION AND COATING OF TOP FLANGES B-64-23	LS						
517.1800.S.XX	STRUCTURE REPAINTING RECYCLED ABRASIVE B-64-23	LS						
517.4500.S.XX	NEGATIVE PRESSURE CONTAINMENT AND COLLECTION OF WASTE MATERIALS B-64-23	LS						
517.6001.S	PORTABLE DECONTAMINATION FACILITY	EACH						
604.0400	SLOPE PAVING CONCRETE	SY						
612.0206	PIPE UNDERDRAIN UNPERFORATED 6-INCH	LF						
612.0406	PIPE UNDERDRAIN WRAPPED 6-INCH	LF						
614.0150	ANCHOR ASSEMBLIES FOR STEEL PLATE BEAM GUARD	EACH						
645.0111	GEOTEXTILE TYPE DF SCHEDULE A	SY						
SPV.0060.XX	EMBEDDED GALVANIC ANODES	EACH						
SPV.0165.XX	LONGITUDINAL GROOVING BRIDGE DECK	SF						
SPV.0180.XX	CLEAN ABUTMENT SEATS	SY						
	NON-BID ITEMS							
	NAME PLATE	EACH						
	RODENT SHIELD	EACH						
	PREFORMED JOINT FILLER	SIZE						

ALL ITEMS ARE CATEGORY XXXX



PROFILE GRADE LINE - USH 12 EB

STATUS SET 1/31/18

PRELIMINARY PLANS

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-64-23

DRAWN BY HDA | PLANS CK'D. EAJ

GENERAL NOTES & QUANTITIES

SHEET 3 OF 3

PRE_49

8

8

FILE NAME : \\milw00\ingrproj\68977\b1\B-64-23\cds\B23_080103_gn.dgn

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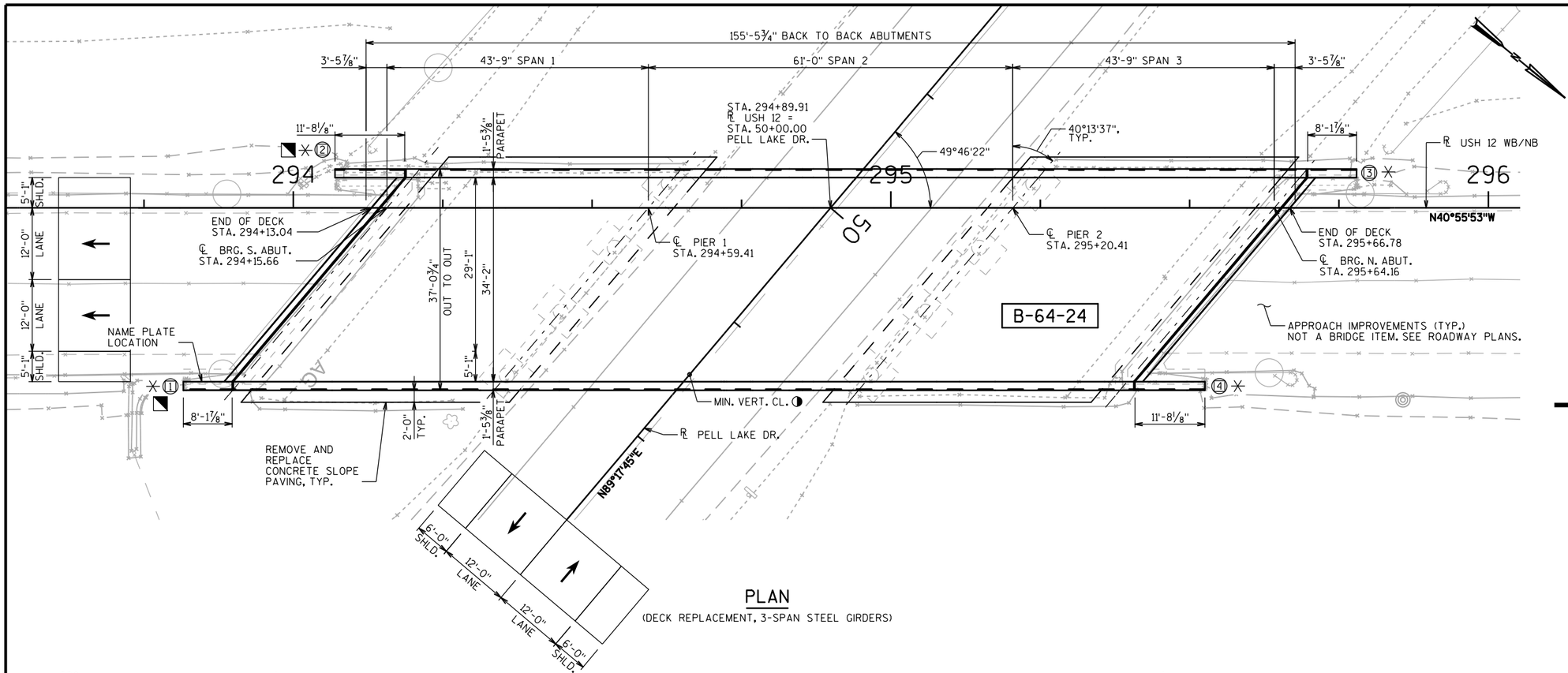
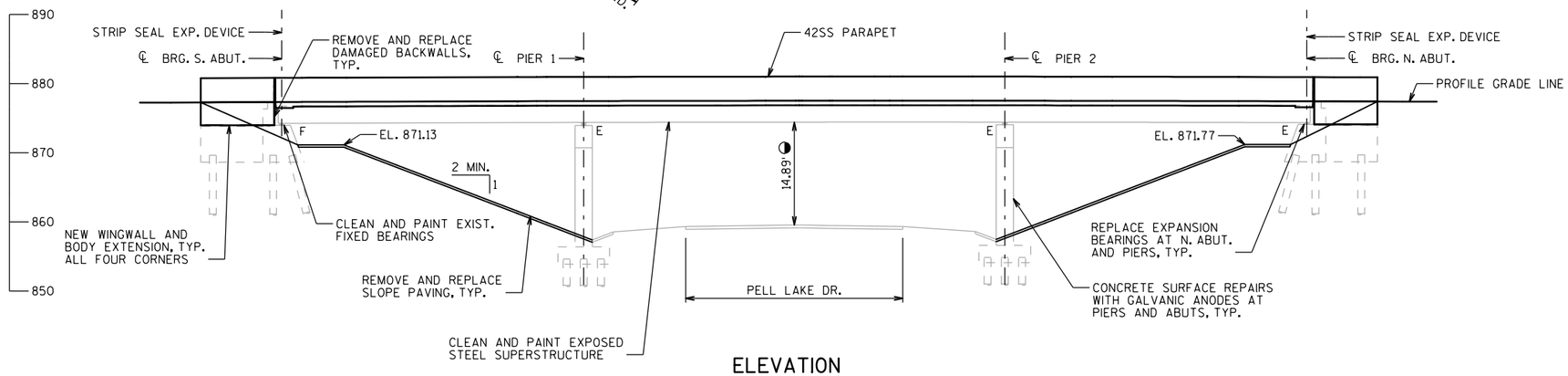
STATE PROJECT NUMBER
3839-03-73



PLAN

(DECK REPLACEMENT, 3-SPAN STEEL GIRDERS)



ELEVATION

(LOOKING WEST)

LIST OF DRAWINGS

LEGEND

- TRAFFIC DIRECTION
- ◑ LOCATION PER EXISTING PLANS AND INSPECTION REPORT. MIN. CLEARANCE TAKEN FROM HSI SYSTEM 1-18-2018.
- (X) WING NUMBER
- ✳ LOCATION OF "ANCHOR ASSEMBLIES FOR STEEL PLATE BEAM GUARD"
- ◥ LOCATION OF SURFACE DRAIN ANCHORS

TRAFFIC DATA

USH 12

EXISTING A.D.T. = 9,500 (2015)
FUTURE A.D.T. = 11,800 (2040)
R.D.S. = 70 M.P.H.

PELL LAKE DR.

EXISTING A.D.T. = 3,700 (2015)
FUTURE A.D.T. = 5,200 (2040)
R.D.S. = 40 M.P.H.

DESIGN DATA

LIVE LOAD

INVENTORY RATING: HSXX
OPERATING RATING: HSXX
WISCONSIN STANDARD PERMIT VEHICLE (WIS-SPV) = XXX KIPS

MATERIAL PROPERTIES

CONCRETE MASONRY:
SUPERSTRUCTURE ..... f'c = 4,000 psi
ALL OTHER ..... f'c = 3,500 psi
BAR STEEL REINFORCEMENT ..... fy = 60,000 psi

STATUS SET
1/31/18

PRELIMINARY PLANS

STRUCTURES DESIGN CONTACTS

BRIDGE OFFICE:
WILLIAM DREHER (608) 266-8489
CONSULTANT:
PAT CASHIN (414) 359-2300

NO.	DATE	REVISION	BY

ORIGINAL PLANS PREPARED BY

HNTB
11414 W. PARK PLACE
MILWAUKEE, WI 53224
(414) 359-2300

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

ACCEPTED _____ _____
CHIEF STRUCTURES DESIGN ENGINEER DATE

STRUCTURE B-64-24

USH 12 WB/NB OVER PELL LAKE DR.

COUNTY	TOWN
WALWORTH	BLOOMFIELD

DESIGN SPEC.
REHABILITATION N/A

DESIGNED BY	DESIGN CK'D.	DRAWN BY	PLANS CK'D.
HDA	PJC	HDA	EAJ

GENERAL PLAN & ELEVATION

SHEET 1 OF 3

PRE_50

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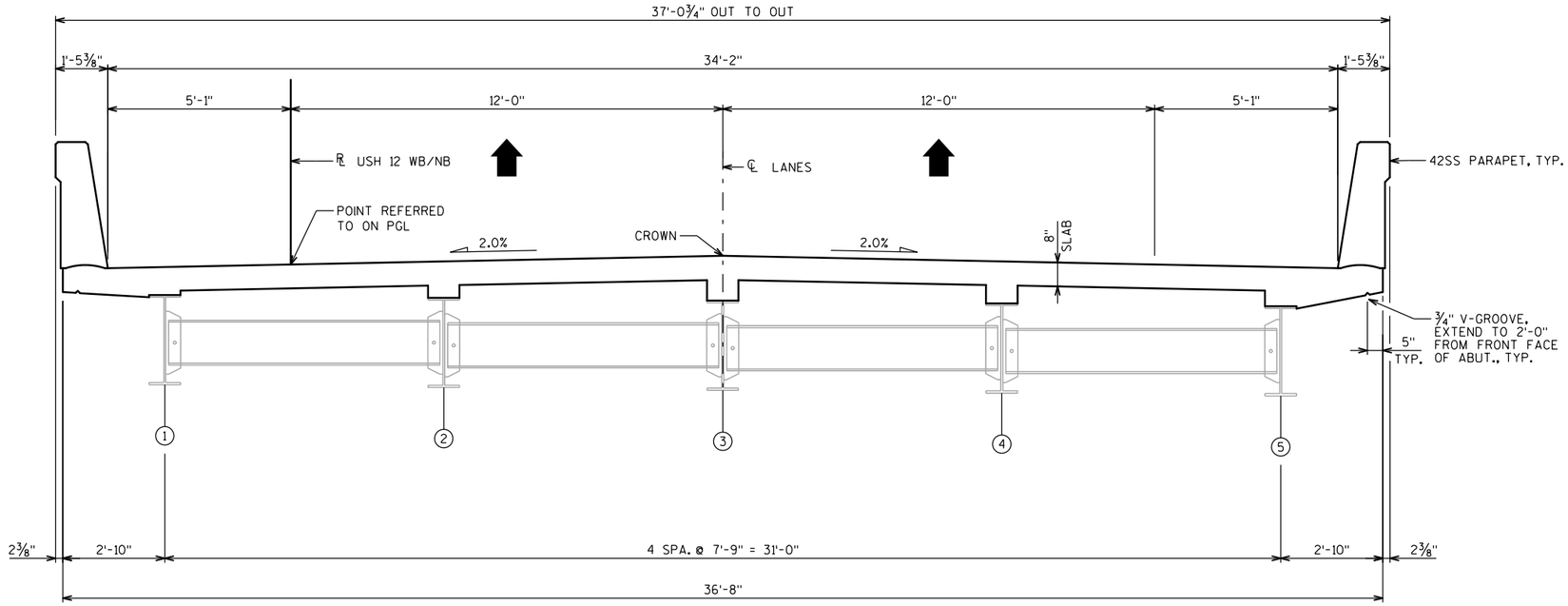
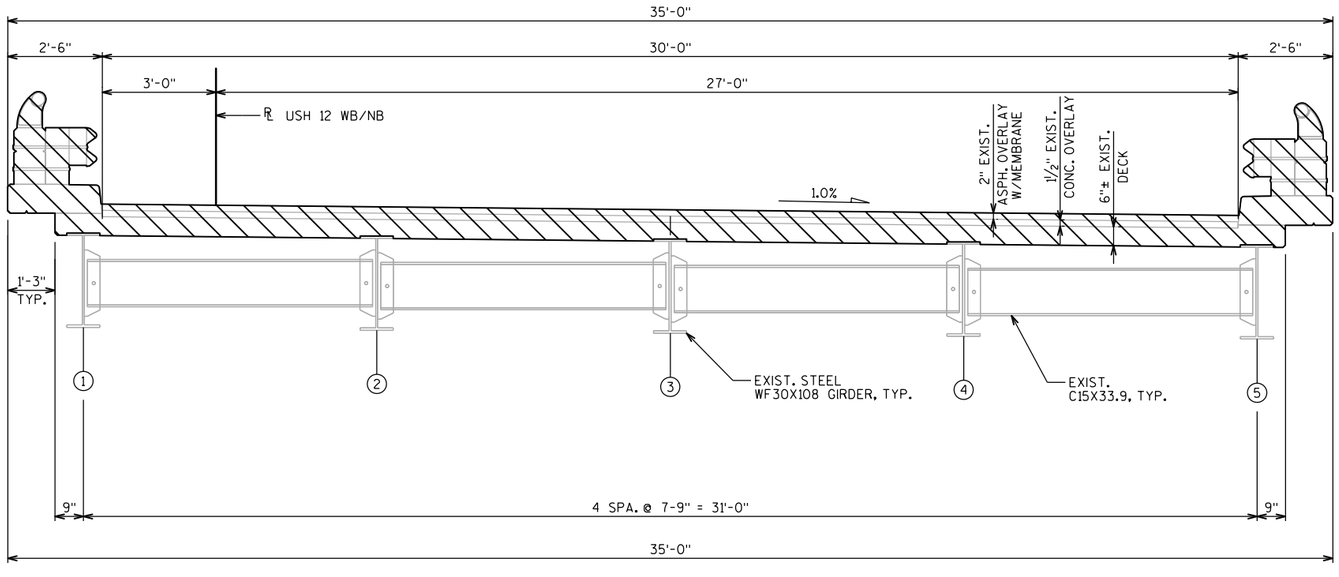
PLOT SCALE : 20:1

STATE PROJECT NUMBER
3839-03-73



PROPOSED TYPICAL SECTION

(LOOKING NORTH)



EXISTING TYPICAL SECTION

(LOOKING NORTH)

LEGEND

REMOVAL LIMITS. REMOVAL TO INCLUDE CONCRETE AND ASPHALT OVERLAYS, DECK, BRUSH CURB, PARAPETS, AND ALUMINUM RAILINGS.

STATUS SET 1/31/18

PRELIMINARY PLANS

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-64-24

DRAWN BY HDA | PLANS CK'D. EAJ

TYPICAL SECTION

SHEET 2 OF 3

PRE_51

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FILE NAME : \\milw00\ingrproj\68977\b1\B-64-24\cds\B24_080102_ts.dgn PLOT DATE : 1/30/2018 2:59:15 PM PLOT BY : HAnders PLOT NAME : $FILE$ PLOT SCALE : 4:1

STATE PROJECT NUMBER
3839-03-73

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

DIMENSIONS SHOWN ARE BASED ON THE EXISTING STRUCTURE PLANS.

ALL DIMENSIONS ARE IN FEET AND INCHES UNLESS OTHERWISE NOTED. ALL STATIONS AND ELEVATIONS ARE IN FEET.

THE EXISTING STRUCTURE IS A 3-SPAN STEEL DECK GIRDER BRIDGE WITH AN OVERALL WIDTH OF 35' AND A LENGTH OF 151'-1½". THE EXISITNG 6"± DECK WITH 1½" CONCRETE OVERLAY AND 2" ASPHALT OVERLAY WITH MEMBRANE, PARAPETS, PAVING BLOCKS, AND EXPANSION DEVICES ARE TO BE REMOVED AND REPLACED.

ALL CONCRETE REMOVAL SHALL BE DEFINED WITH A 1-INCH DEEP SAW CUT. EXERCISE CAUTION WHEN REMOVING OLD DECK AS TO NOT DAMAGE EXISTING GIRDERS AND SHEAR CONNECTORS.

REMOVAL OF EXISTING CONRETE SLOPE PAVING PAID FOR UNDER "REMOVING CONCRETE SLOPE PAVING".

APPLY "PROTECTIVE SURFACE TREATMENT" TO THE ENTIRE TOP SURFACE OF THE NEW DECK AND PAVING BLOCKS.

APPLY "PIGMENTED SURFACE SEALER" TO THE TOP AND INSIDE FACES OF PARAPETS.

LOCATIONS OF THE FOLLOWING BID ITEMS SHALL BE DETERMINED IN THE FIELD BY THE PROJECT ENGINEER. QUANTITIES SHOWN FOR THESE ITEMS ARE APPROXIMATE.
- EPOXY CRACK SEALING

"CONCRETE SURFACE REPAIR" AREAS SHOWN IN THE QUANTITIES TABLE ARE BASED ON THE BRIDGE INSPECTION REPORT AND ARE APPROXIMATE. EXACT AREAS OF REPAIR SHALL BE DETERMINED IN THE FIELD BY THE PROJECT ENGINEER. ALL SUBSTRUCTURE CONCRETE SURFACE REPAIRS SHALL INCLUDE "EMBEDDED GALVANIC ANODES", PAID FOR SEPARATELY.

THE EXISTING GROUNDLINE SHALL BE THE UPPER LIMITS OF EXCAVATION FOR STRUCTURES.

AT THE BACKFACE OF ABUTMENT ALL VOLUME NOT OCCUPIED BY THE NEW STRUCTURE SHALL BE BACKFILLED WITH STRUCTURE BACKFILL TYPE A.

JOINT FILLER SHALL CONFORM TO THE REQUIREMENTS OF AASHTO M153 TYPE 1, 2, OR 3, OR AASTO M213.

SEAL ALL EXPOSED HORIZONTAL AND VERTICAL SURFACES OF 1" JOINT FILLER HOT POURED JOINT SEALANT (½" DEEP AND HOLD ¼" BELOW SURFACE OF CONCRETE).

BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2" CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

ALL REINFORCING BARS ARE ENGLISH. THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE. BAR DIMENSIONS ARE OUT TO OUT OF BAR.

UTILIZE EXISTING BAR STEEL REINFORCEMENT WHERE SHOWN AND EXTEND 24 BAR DIAMETERS INTO NEW WORK, UNLESS SPECIFIED OTHERWISE.

UNDER THE BID ITEM "ADHESIVE ANCHORS NO. X BAR", ANCHORED REINFORCING STEEL SHALL BE PAID FOR SEPARATELY AS PROVIDED IN SECTION 505 OF THE STANDARD SPECIFICATIONS FOR BAR STEEL REINFORCEMENT.

BEVEL EDGES OF EXPOSED CONCRETE ¾" MIN. OR MATCH EXISTING BEVELS UNLESS NOTED OTHERWISE.

THE HAUNCH CONCRETE QUANTITY IS BASED ON AN AVERAGE HAUNCH OF X". THIS IS THE MAXIMUM HAUNCH QUANTITY FOR WHICH THE CONTRACTOR WILL BE PAID.

VARIATIONS TO THE NEW GRADE LINE OVER ¼" MUST BE SUBMITTED BY THE FIELD ENGINEER TO THE STRUCTURES DESIGN SECTION FOR REVIEW.

EXPANSION JOINT ASSEMBLY, INCLUDING ANCHOR STUDS AND HARDWARE, SHALL BE PAID FOR IN THE LUMP SUM PRICE BID AS "EXPANSION DEVICE B-64-24".

REMOVE ALL EXPANSION BEARING ASSEMBLIES UNDER THE BID ITEM "REMOVING BEARINGS B-64-24" AND REPLACE WITH LAMINATED ELASTOMERIC BEARINGS AT THE NORTH ABUTMENT AND PIERS.

CLEAN AND PAINT EXISTING FIXED BEARINGS AT THE SOUTH ABUTMENT.

CLEAN AND PAINT ALL EXPOSED STEEL SUPERSTRUCTURE SURFACES UNDERNEATH THE BRIDGE. THE SURFACES INCLUDE GIRDERS, DIAPHRAGMS, CONNECTIONS, FIXED BEARINGS, ETC. ALL CLEANING AND PAINTING TO BE PAID FOR AS "STRUCTURE REPAINTING RECYCLED ABRASIVE B-64-24". PAINT APPLICATIONS ON THE BEARINGS TO BE BRUSHED ON.

EXISTING STEEL SUPERSTRUCTURE SHALL BE PAINTED BLUE, FEDERAL COLOR NUMBER 25240.

THE UTILITY INFORMATION SHOWN ON THESE DRAWINGS CONCERNING TYPE AND LOCATION IS NOT GUARANTEED TO BE ACCURATE OR ALL-INCLUSIVE. THE CONTRACTOR IS RESPONSIBLE FOR MAKING HIS OWN DETERMINATION AS TO TYPE AND LOCATION OF UTILITIES AS MAY BE NECESSARY TO AVOID DAMAGE.

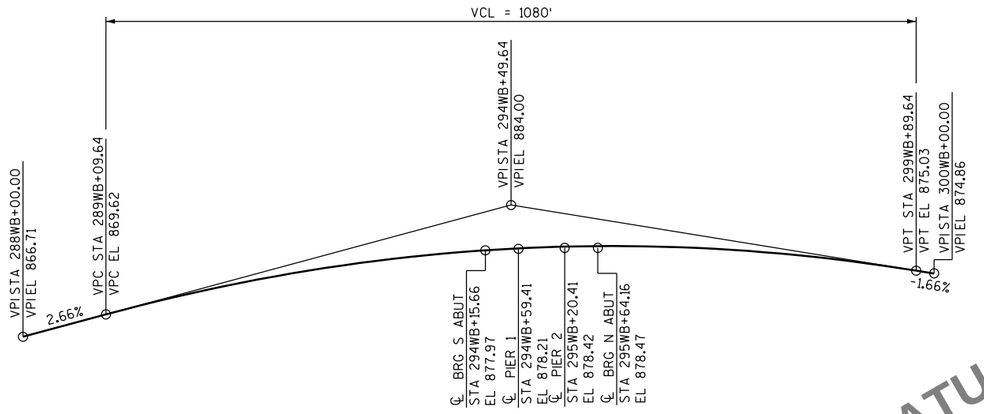
THE CONTRACTOR SHALL SUPPLY A NEW NAME PLATE IN ACCORDANCE WITH SECTION 502.3.11 OF THE STANDARD SPECIFICATIONS AND THE STANDARD DETAIL DRAWINGS. NAME PLATE TO SHOW ORIGINAL CONSTRUCTION YEAR OF 1965 AND SHALL BE CONSIDERED INCIDENTAL TO "CONCRETE MASONRY BRIDGES".

<PROPOSED ROADWAY STAGING CALLS FOR BRIDGE CLOSURE DURING DECK REPLACEMENT.>

TOTAL ESTIMATED QUANTITIES

ITEM NO.	BID ITEM	UNIT	SUPER	SOUTH ABUT.	PIER 1	PIER 2	NORTH ABUT.	TOTAL
203.0200.XX	REMOVING OLD STRUCTURE STA. 295+00	LS						
203.0210.S.XX	ABATEMENT OF ASBESTOS CONTAINING MATERIAL B-64-24	LS						
203.0225.S.XX	DEBRIS CONTAINMENT B-64-24	LS						
204.0175	REMOVING CONCRETE SLOPE PAVING	SY						
206.1000.XX	EXCAVATION FOR STRUCTURES BRIDGES B-64-24	LS						
210.1500	BACKFILL STRUCTURE TYPE A	TON						
502.0100	CONCRETE MASONRY BRIDGES	CY						
502.3100.XX	EXPANSION DEVICE B-64-24	LS						
502.3200	PROTECTIVE SURFACE TREATMENT	SY						
502.3210	PIGMENTED SURFACE SEALER	SY						
502.42XX	ADHESIVE ANCHORS NO. X BAR	EACH						
502.6500	PROTECTIVE COATING CLEAR	GAL						
505.0600	BAR STEEL REINFORCEMENT HS COATED STRUCTURES	LB						
506.2610	BEARING PADS ELASTOMERIC LAMINATED	EACH						
506.7050.S.XX	REMOVING BEARINGS B-64-24	EACH						
509.1500	CONCRETE SURFACE REPAIR	SF						
509.9020.S	EPOXY CRACK SEALING	LF						
516.0500	RUBBERIZED MEMBRANE WATERPROOFING	SY						
517.0900.S.XX	PREPARATION AND COATING OF TOP FLANGES B-64-24	LS						
517.1800.S.XX	STRUCTURE REPAINTING RECYCLED ABRASIVE B-64-24	LS						
517.4500.S.XX	NEGATIVE PRESSURE CONTAINMENT AND COLLECTION OF WASTE MATERIALS B-64-24	LS						
517.6001.S	PORTABLE DECONTAMINATION FACILITY	EACH						
604.0400	SLOPE PAVING CONCRETE	SY						
612.0206	PIPE UNDERDRAIN UNPERFORATED 6-INCH	LF						
612.0406	PIPE UNDERDRAIN WRAPPED 6-INCH	LF						
614.0150	ANCHOR ASSEMBLIES FOR STEEL PLATE BEAM GUARD	EACH						
645.0111	GEOTEXTILE TYPE DF SCHEDULE A	SY						
SPV.0060.XX	EMBEDDED GALVANIC ANODES	EACH						
SPV.0165.XX	LONGITUDINAL GROOVING BRIDGE DECK	SF						
SPV.0180.XX	CLEAN ABUTMENT SEATS	SY						
	NON-BID ITEMS							
	NAME PLATE	EACH						
	RODENT SHIELD	EACH						
	PREFORMED JOINT FILLER	SIZE						

ALL ITEMS ARE CATEGORY XXXX



PROFILE GRADE LINE - USH 12 WB

STATUS SET 1/31/18

PRELIMINARY PLANS

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-64-24

DRAWN BY HDA | PLANS CK'D. EAJ

GENERAL NOTES & QUANTITIES

SHEET 3 OF 3

PRE_52

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FILE NAME : \\milw00\ingrproj\68977\b1\B-64-24\cds\B24_080103_gn.dgn

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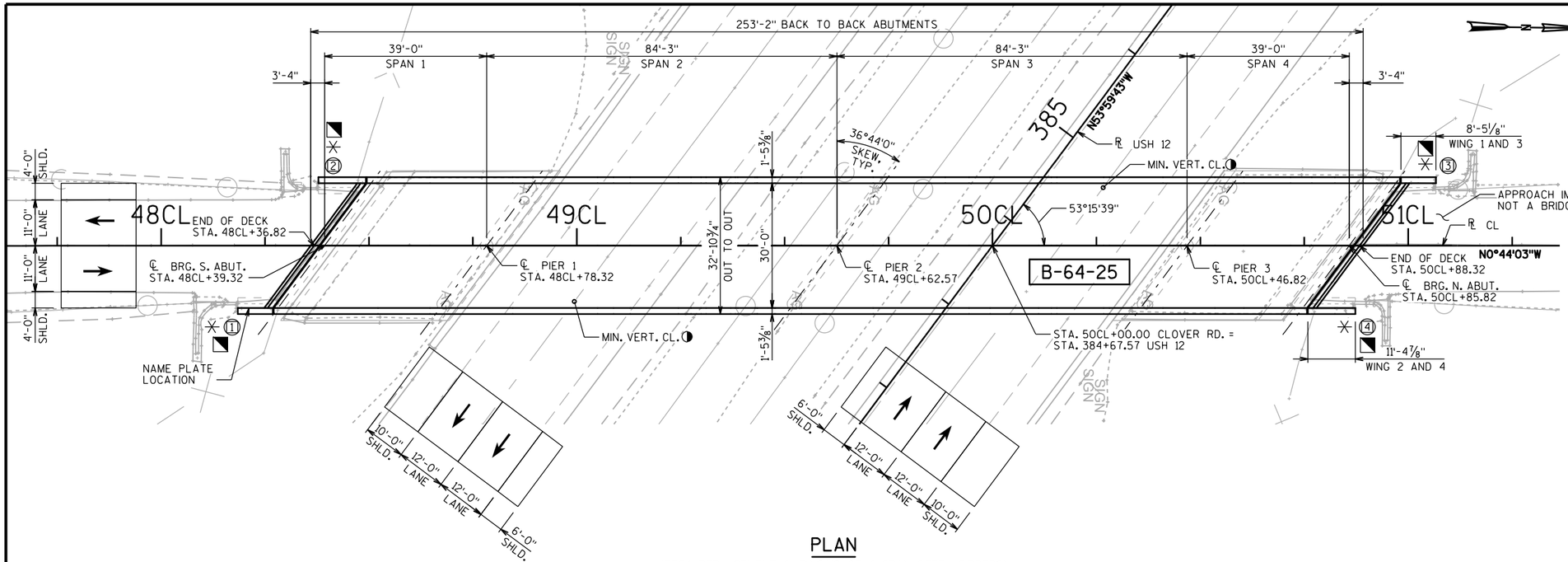
STATE PROJECT NUMBER
3839-03-73



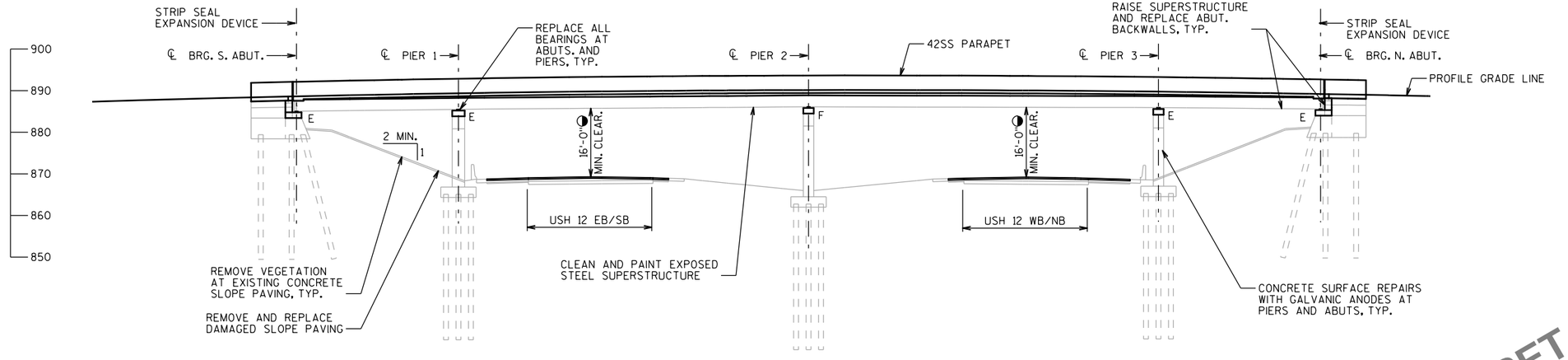
PLAN

(DECK REPLACEMENT & RAISING OF 4 SPAN STEEL GIRDERS)

LIST OF DRAWINGS

LEGEND

- TRAFFIC DIRECTION
- (X) WING NUMBER
- LOCATION OF "ANCHOR ASSEMBLIES FOR STEEL PLATE BEAM GUARD"
- LOCATION OF SURFACE DRAIN ANCORS
- LOCATION AND CLEARANCE DIMENSION TO BE DETERMINED IN FINAL DESIGN



ELEVATION

(LOOKING WEST)

TRAFFIC DATA

CLOVER RD.

EXISTING A.D.T. = 1,800 (2009)
FUTURE A.D.T. = 2,300 (2040)
R.D.S. = 45 M.P.H.

USH 12

EXISTING A.D.T. = 13,600 (2015)
FUTURE A.D.T. = 17,200 (2040)
R.D.S. = 70 M.P.H.

DESIGN DATA

LIVE LOAD

INVENTORY RATING: HSXX
OPERATING RATING: HSXX
WISCONSIN STANDARD PERMIT VEHICLE (WIS-SPV) = XXX KIPS

MATERIAL PROPERTIES

CONCRETE MASONRY:
SUPERSTRUCTURE ..... f'c = 4,000 psi
ALL OTHER ..... f'c = 3,500 psi
BAR STEEL REINFORCEMENT ..... fy = 60,000 psi

STATUS SET 1/31/18

PRELIMINARY PLANS

STRUCTURES DESIGN CONTACTS

BRIDGE OFFICE:
WILLIAM DREHER (608) 266-8489
CONSULTANT:
PAT CASHIN (414) 359-2300

NO.	DATE	REVISION	BY

ORIGINAL PLANS PREPARED BY

HNTB
11414 W. PARK PLACE
MILWAUKEE, WI 53224
(414) 359-2300

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

ACCEPTED _____ _____
CHIEF STRUCTURES DESIGN ENGINEER DATE

STRUCTURE B-64-25

CLOVER RD. OVER USH 12

COUNTY	TOWN
WALWORTH	BLOOMFIELD

DESIGN SPEC.
REHABILITATION N/A

DESIGNED BY	DESIGN CK'D.	DRAWN BY	PLANS CK'D.
HDA	PJC	HDA	EAJ

GENERAL PLAN & ELEVATION

SHEET 1 OF 3

PRE_53

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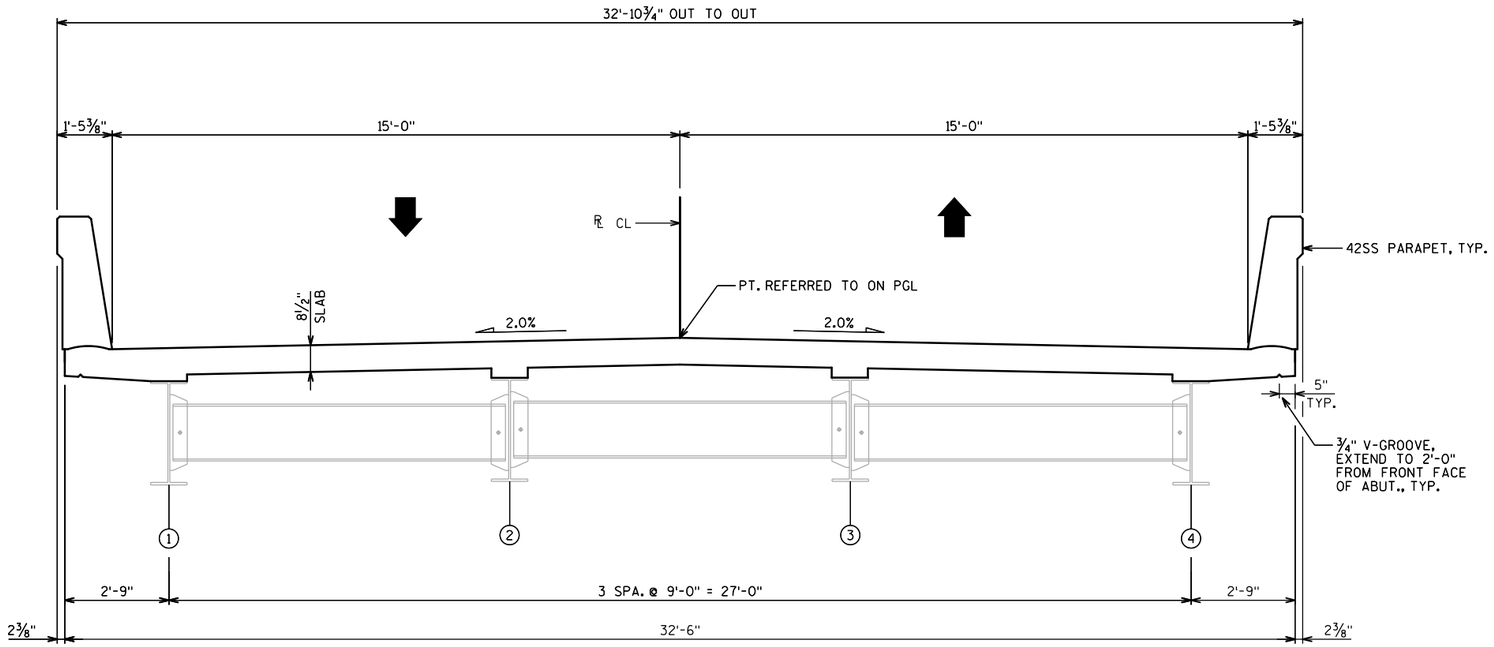
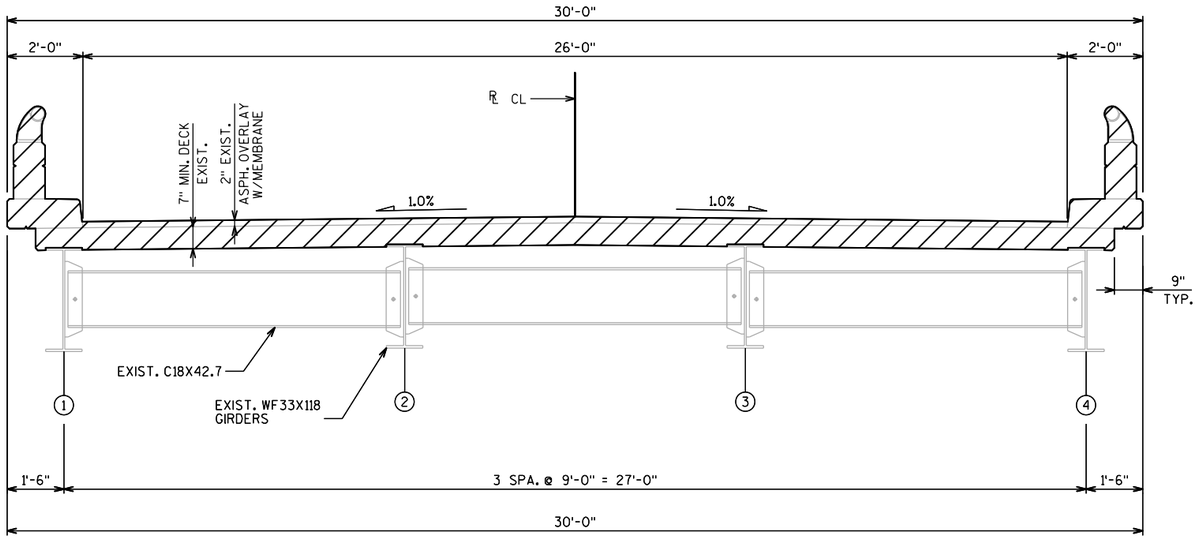
PLOT NAME : $FILE$
PLOT SCALE : 30:1

STATE PROJECT NUMBER
3839-03-73



PROPOSED TYPICAL SECTION

(LOOKING NORTH)



EXISTING TYPICAL SECTION

(LOOKING NORTH)

LEGEND

REMOVAL LIMITS. REMOVAL TO INCLUDE ASPHALT OVERLAY, DECK, BRUSH CURB, PARAPETS, AND ALUMINUM RAILINGS.

8

8

STATUS SET 1/31/18

PRELIMINARY PLANS

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-64-25

DRAWN BY HDA | PLANS CK'D. EAJ

TYPICAL SECTION

SHEET 2 OF 3

PRE_54

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STATE PROJECT NUMBER
3839-03-73

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

DIMENSIONS SHOWN ARE BASED ON THE EXISTING STRUCTURE PLANS.

ALL DIMENSIONS ARE IN FEET AND INCHES UNLESS OTHERWISE NOTED. ALL STATIONS AND ELEVATIONS ARE IN FEET.

THE EXISTING STRUCTURE IS A 4-SPAN STEEL DECK GIRDER BRIDGE WITH AN OVERALL WIDTH OF 30' AND AN OVERALL LENGTH OF 253'-2". THE EXISITNG 7" DECK WITH 2" ASPHALT OVERLAY, PARAPETS, PAVING BLOCKS, AND EXPANSION DEVICES ARE TO BE REMOVED AND REPLACED.

ALL CONCRETE REMOVAL SHALL BE DEFINED WITH A 1-INCH DEEP SAW CUT. EXERCISE CAUTION WHEN REMOVING OLD DECK AS TO NOT DAMAGE EXISTING GIRDERS AND SHEAR CONNECTORS.

REMOVAL OF DESIGNATED PORTIONS OF EXISTING CONCRETE SLOPE PAVING PAID FOR UNDER "REMOVING CONCRETE SLOPE PAVING".

APPLY "PROTECTIVE SURFACE TREATMENT" TO THE ENTIRE TOP SURFACE OF THE NEW DECK AND PAVING BLOCKS.

APPLY "PIGMENTED SURFACE SEALER" TO THE TOP AND INSIDE FACES OF PARAPETS.

"CONCRETE SURFACE REPAIR" AREAS SHOWN IN THE QUANTITIES TABLE ARE BASED ON THE BRIDGE INSPECTION REPORT AND ARE APPROXIMATE. EXACT AREAS OF REPAIR SHALL BE DETERMINED IN THE FIELD BY THE PROJECT ENGINEER. ALL SUBSTRUCTURE CONCRETE SURFACE REPAIRS SHALL INCLUDE "EMBEDDED GALVANIC ANODES", PAID FOR SEPARATELY.

AT THE BACKFACE OF ABUTMENT ALL VOLUME NOT OCCUPIED BY THE NEW STRUCTURE SHALL BE BACKFILLED WITH STRUCTURE BACKFILL TYPE A.

THE EXISTING GROUNDLINE SHALL BE THE UPPER LIMITS OF EXCAVATION STRUCTURES.

JOINT FILLER SHALL CONFORM TO THE REQUIREMENTS OF AASHTO M153 TYPE 1, 2, OR 3, OR AASTO M213.

SEAL ALL EXPOSED HORIZONTAL AND VERTICAL SURFACES OF 1" JOINT FILLER HOT POURED JOINT SEALANT (½" DEEP AND HOLD ¼" BELOW SURFACE OF CONCRETE).

BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2" CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

ALL REINFORCING BARS ARE ENGLISH. THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE. BAR DIMENSIONS ARE OUT TO OUT OF BAR.

UTILIZE EXISTING BAR STEEL REINFORCEMENT WHERE SHOWN AND EXTEND 24 BAR DIAMETERS INTO NEW WORK, UNLESS SPECIFIED OTHERWISE.

UNDER THE BID ITEM "ADHESIVE ANCHORS NO. X BAR", ANCHORED REINFORCING STEEL SHALL BE PAID FOR SEPARATELY AS PROVIDED IN SECTION 505 OF THE STANDARD SPECIFICATIONS FOR BAR STEEL REINFORCEMENT.

BEVEL EDGES OF EXPOSED CONCRETE ¾" MIN. OR MATCH EXISTING BEVELS UNLESS NOTED OTHERWISE.

THE HAUNCH CONCRETE QUANTITY IS BASED ON AN AVERAGE HAUNCH OF X". THIS IS THE MAXIMUM HAUNCH QUANTITY FOR WHICH THE CONTRACTOR WILL BE PAID.

VARIATIONS TO THE NEW GRADE LINE OVER ¼" MUST BE SUBMITTED BY THE FIELD ENGINEER TO THE STRUCTURES DESIGN SECTION FOR REVIEW.

EXPANSION JOINT ASSEMBLY, INCLUDING ANCHOR STUDS AND HARDWARE, SHALL BE PAID FOR IN THE LUMP SUM PRICE BID AS "EXPANSION DEVICE B-64-25".

REMOVE ALL BEARING ASSEMBLIES UNDER THE BID ITEM "REMOVING BEARINGS B-64-25" AND REPLACE WITH LAMINATED ELASTOMERIC BEARINGS AT THE ABUTMENTS AND PIERS 1 AND 3 AND WITH NEW STEEL FIXED BEARINGS AT PIER 2.

CLEAN AND PAINT ALL EXPOSED STEEL SUPERSTRUCTURE SURFACES UNDERNEATH THE BRIDGE. THE SURFACES INCLUDE GIRDERS, DIAPHRAGMS, CONNECTIONS, ETC. ALL CLEANING AND PAINTING TO BE PAID FOR AS "STRUCTURE REPAINTING RECYCLED ABRASIVE B-64-25".

EXISTING STEEL SUPERSTRUCTURE SHALL BE PAINTED BLUE, FEDERAL COLOR NUMBER 25240.

REMOVE ALL VEGETATION FROM EXISTING CONCRETE SLOPE PAVING, INCLUDED IN THE BID ITEM "VEGETATION REMOVAL B-64-25".

THE UTILITY INFORMATION SHOWN ON THESE DRAWINGS CONCERNING TYPE AND LOCATION IS NOT GUARANTEED TO BE ACCURATE OR ALL-INCLUSIVE. THE CONTRACTOR IS RESPONSIBLE FOR MAKING HIS OWN DETERMINATION AS TO TYPE AND LOCATION OF UTILITIES AS MAY BE NECESSARY TO AVOID DAMAGE.

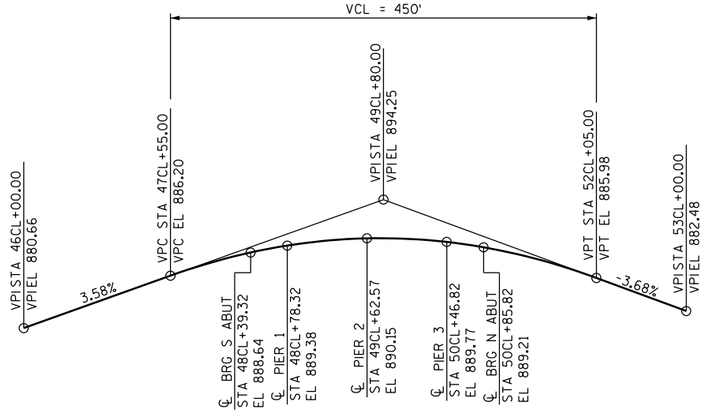
THE CONTRACTOR SHALL SUPPLY A NEW NAME PLATE IN ACCORDANCE WITH SECTION 502.3.11 OF THE STANDARD SPECIFICATIONS AND THE STANDARD DETAIL DRAWINGS. NAME PLATE TO SHOW ORIGINAL CONSTRUCTION YEAR OF 1965 AND SHALL BE CONSIDERED INCIDENTAL TO "CONCRETE MASONRY BRIDGES".

<PROPOSED ROADWAY STAGING CALLS FOR BRIDGE CLOSURE DURING DECK REPLACEMENT.>

TOTAL ESTIMATED QUANTITIES

ITEM NO.	BID ITEM	UNIT	SUPER	SOUTH ABUT.	PIER 1	PIER 2	PIER 3	NORTH ABUT.	TOTAL
203.0200.XX	REMOVING OLD STRUCTURE STA. 49CL+63	LS							
203.0210.S.XX	ABATEMENT OF ASBESTOS CONTAINING MATERIAL B-64-25	LS							
203.0225.S.XX	DEBRIS CONTAINMENT B-64-25	LS							
204.0175	REMOVING CONCRETE SLOPE PAVING	SY							
206.1000.XX	EXCAVATION FOR STRUCTURES BRIDGES B-64-25	LS							
210.1500	BACKFILL STRUCTURE TYPE A	TON							
502.0100	CONCRETE MASONRY BRIDGES	CY							
502.3100.XX	EXPANSION DEVICE B-64-25	LS							
502.3200	PROTECTIVE SURFACE TREATMENT	SY							
502.3210	PIGMENTED SURFACE SEALER	SY							
502.42XX	ADHESIVE ANCHORS NO. X BAR	EACH							
502.6500	PROTECTIVE COATING CLEAR	GAL							
505.0600	BAR STEEL REINFORCEMENT HS COATED STRUCTURES	LB							
506.2610	BEARING PADS ELASTOMERIC LAMINATED	EACH							
506.5000	BEARING ASSEMBLIES FIXED B-64-25	EACH							
506.7050.S.XX	REMOVING BEARINGS B-64-25	EACH							
506.7060.S.XX	BRIDGE JACKING B-64-25	LS							
509.1500	CONCRETE SURFACE REPAIR	SF							
516.0500	RUBBERIZED MEMBRANE WATERPROOFING	SY							
517.0900.S.XX	PREPARATION AND COATING OF TOP FLANGES B-64-25	LS							
517.1800.S.XX	STRUCTURE REPAINTING RECYCLED ABRASIVE B-64-25	LS							
517.4500.S.XX	NEGATIVE PRESSURE CONTAINMENT AND COLLECTION OF WASTE MATERIALS B-64-25	LS							
517.6001.S	PORTABLE DECONTAMINATION FACILITY	EACH							
604.0400	SLOPE PAVING CONCRETE	SY							
612.0206	PIPE UNDERDRAIN UNPERFORATED 6-INCH	LF							
612.0406	PIPE UNDERDRAIN WRAPPED 6-INCH	LF							
614.0150	ANCHOR ASSEMBLIES FOR STEEL PLATE BEAM GUARD	EACH							
645.0111	GEOTEXTILE TYPE DF SCHEDULE A	SY							
SPV.0060.XX	EMBEDDED GALVANIC ANODES	EACH							
SPV.0105.XX	VEGETATION REMOVAL B-64-25	LS							
SPV.0165.XX	LONGITUDINAL GROOVING BRIDGE DECK	SF							
SPV.0180.XX	CLEAN ABUTMENT SEATS	SY							
	NON-BID ITEMS								
	NAME PLATE	EACH							
	RODENT SHIELD	EACH							
	PREFORMED JOINT FILLER	SIZE							

ALL ITEMS ARE CATEGORY XXXX



PROFILE GRADE LINE - CLOVER RD.

STATUS SET
1/31/18

PRELIMINARY PLANS

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-64-25

DRAWN BY HDA | PLANS CK'D. EAJ

GENERAL NOTES & QUANTITIES

SHEET 3 OF 3

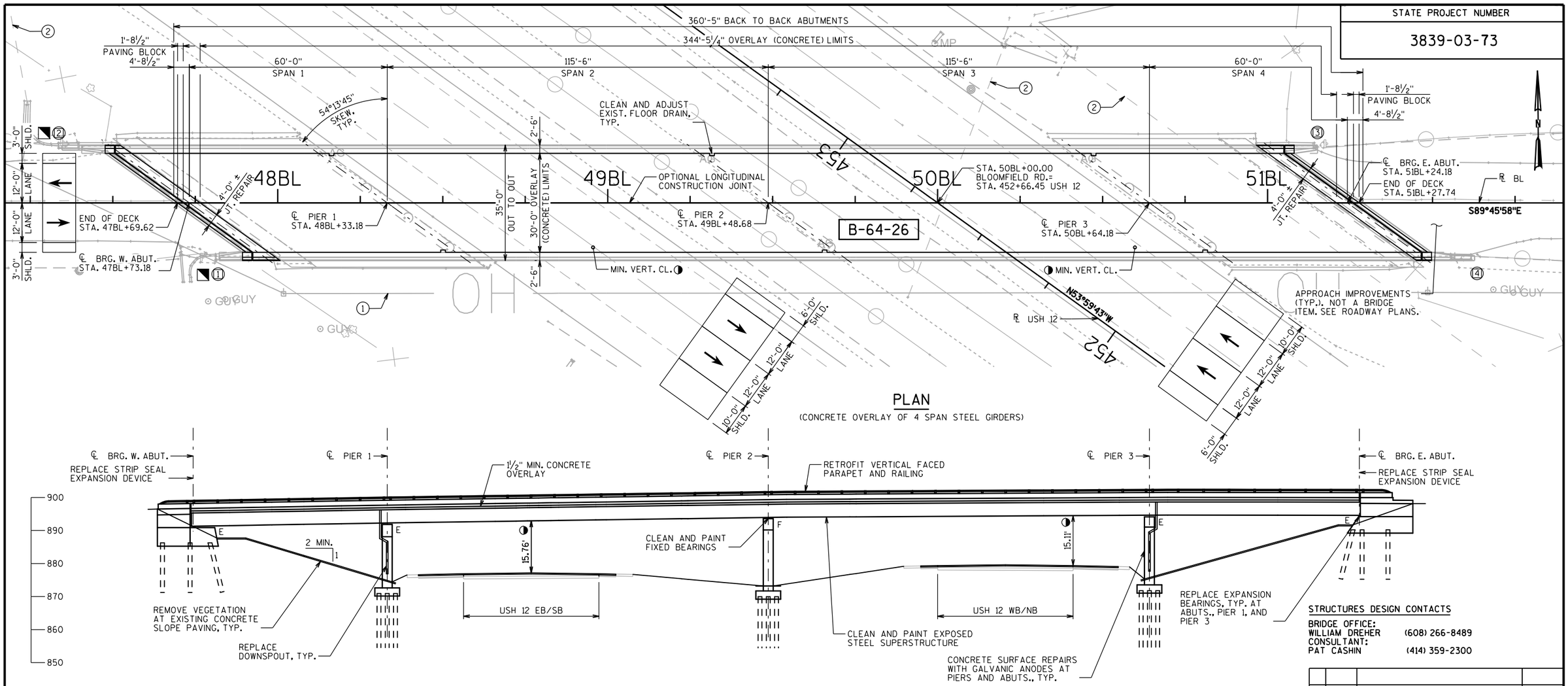
PRE_55

8

8

FILE NAME : \\milw00\ingrproj\68977\b1\B-64-25\cds\B25_080103_gn.dgn PLOT DATE : 1/30/2018 2:59:21 PM PLOT BY : HAnders PLOT NAME : $FILE$ PLOT SCALE : 4:1

STATE PROJECT NUMBER
3839-03-73



PLAN

(CONCRETE OVERLAY OF 4 SPAN STEEL GIRDERS)

ELEVATION

(LOOKING NORTH)

STRUCTURES DESIGN CONTACTS

BRIDGE OFFICE:
WILLIAM DREHER (608) 266-8489
CONSULTANT:
PAT CASHIN (414) 359-2300

NO.	DATE	REVISION	BY

ORIGINAL PLANS PREPARED BY

HNTB 11414 W. PARK PLACE MILWAUKEE, WI 53224 (414) 359-2300

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

ACCEPTED _____ _____
CHIEF STRUCTURES DESIGN ENGINEER DATE

STRUCTURE B-64-26

BLOOMFIELD RD. OVER USH 12

COUNTY	TOWN
WALWORTH	BLOOMFIELD

DESIGN SPEC.
REHABILITATION N/A

DESIGNED BY	DESIGN CK'D.	DRAWN BY	PLANS CK'D.
HDA	PJC	HDA	EAJ

GENERAL PLAN & ELEVATION

SHEET 1 OF 2

UTILITY NOTES

(1) EXISTING OVERHEAD LINES TO REMAIN
(2) EXISTING DRAINAGE PIPE TO REMAIN

TRAFFIC DATA

BLOOMFIELD RD.

EXISTING A.D.T. = 1,300 (2012)
FUTURE A.D.T. = 1,600 (2040)
R.D.S. = 50 M.P.H.

USH 12

EXISTING A.D.T. = 13,600 (2015)
FUTURE A.D.T. = 17,200 (2040)
R.D.S. = 70 M.P.H.

DESIGN DATA

LIVE LOAD

INVENTORY RATING: HSXX
OPERATING RATING: HSXX
WISCONSIN STANDARD PERMIT VEHICLE (WIS-SPV) = XXX KIPS

MATERIAL PROPERTIES

CONCRETE MASONRY OVERLAY DECKS ..... f'c = 4,000 psi
CONCRETE MASONRY:
SUPERSTRUCTURE ..... f'c = 4,000 psi
ALL OTHER ..... f'c = 3,500 psi
BAR STEEL REINFORCEMENT ..... fy = 60,000 psi

LOCATION OF SURFACE DRAIN ANCORS

LEGEND

- TRAFFIC DIRECTION
- ◑ LOCATION PER INSPECTION REPORT. MIN. CLEARANCE TAKEN FROM HSI SYSTEM 12-29-2017.
- (X) WING NUMBER
- LOCATION OF SURFACE DRAIN ANCORS

LIST OF DRAWINGS

1. GENERAL PLAN & ELEVATION
2. TYPICAL SECTION, GENERAL NOTES & QUANTITIES

STATUS SET 1/31/18

PRELIMINARY PLANS

PRE_56

FILE NAME : \\milw00\ingrproj\68977\b1\B-64-26\cds\B26_080101_gp.dgn
PLOT DATE : 1/30/2018 2:59:23 PM PLOT BY : HAnders PLOT NAME : $FILE$ PLOT SCALE : 30:1

STATE PROJECT NUMBER
3839-03-73

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

DIMENSIONS SHOWN ARE BASED ON THE EXISTING STRUCTURE PLANS.

ALL DIMENSIONS ARE IN FEET AND INCHES UNLESS OTHERWISE NOTED. ALL STATIONS AND ELEVATIONS ARE IN FEET.

REMOVAL OF THE BRUSH CURB AT THE JOINTS IS INCLUDED IN BID ITEM "JOINT REPAIR".

APPLY "PROTECTIVE SURFACE TREATMENT" TO THE ENTIRE TOP SURFACE OF THE NEW CONCRETE OVERLAY, THE TOP OF ANY NEW DECK, THE TOPS OF PAVING BLOCKS, AND THE TOP AND CURB FACES OF NEW BRUSH CURBS ASSOCIATED WITH THE JOINT REPLACEMENT.

APPLY "PIGMENTED SURFACE SEALER" TO THE TOP AND INSIDE FACES OF EXISTING PARAPETS. PERFORM "CLEANING PARAPETS" PRIOR TO THIS APPLICATION. APPLY "PIGMENTED SURFACE SEALER" TO THE TOP AND INSIDE FACES OF NEW SECTIONS OF PARAPET AT THE JOINT REPLACEMENTS.

CLEAN AND APPLY PROTECTIVE SURFACE TREATMENT TO THE TOP AND VERTICAL FACES OF THE BRUSH CURBS, PAID FOR UNDER "PROTECTIVE SURFACE TREATMENT RESEAL".

PERFORM ALL PARAPET AND BRUSH CURB REPAIRS, SURFACE TREATMENT APPLICATIONS AND EXPANSION JOINT REPLACEMENT PRIOR TO INSTALLATION OF STEEL THRIE BEAM RAILING RETROFIT.

"PREPARATION DECKS TYPE 1", "PREPARATION DECKS TYPE 2", AND "FULL-DEPTH DECK REPAIR" AREAS ARE BASED ON THE PLANS AND AS DETERMINED BY THE ENGINEER. DECK PREPARATION AND FULL-DEPTH DECK REPAIRS SHALL BE FILLED WITH "CONCRETE MASONRY OVERLAY DECKS". <AREAS TO BE ADDED FOR FINAL PLANS.>

LOCATIONS OF THE FOLLOWING BID ITEMS SHALL BE DETERMINED IN THE FIELD BY THE PROJECT ENGINEER. QUANTITIES SHOWN FOR THESE ITEMS ARE APPROXIMATE.
- CURB REPAIR

"CONCRETE SURFACE REPAIR" AREAS SHOWN IN THE QUANTITIES TABLE ARE BASED ON THE BRIDGE INSPECTION REPORT AND ARE APPROXIMATE. EXACT AREAS OF REPAIR SHALL BE DETERMINED IN THE FIELD BY THE PROJECT ENGINEER. ALL SUBSTRUCTURE CONCRETE SURFACE REPAIRS SHALL INCLUDE "EMBEDDED GALVANIC ANODES", PAID FOR SEPARATELY.

ANY EXCAVATION REQUIRED TO COMPLETE THE CONCRETE OVERLAY OR JOINT REPAIRS AT THE ABUTMENTS IS TO BE CONSIDERED INCIDENTAL TO THE BID ITEM "CONCRETE MASONRY OVERLAY DECKS".

NEW CONCRETE AT JOINT REPAIR IS PAID FOR AS "CONCRETE MASONRY OVERLAY DECKS". THIS INCLUDES THE CONCRETE TO REPLACE SECTIONS OF BRUSH CURB WITHIN THE JOINT REPAIR LIMITS.

BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2" CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

ALL REINFORCING BARS ARE ENGLISH. THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE. BAR DIMENSIONS ARE OUT TO OUT OF BAR.

UTILIZE EXISTING BAR STEEL REINFORCEMENT WHERE SHOWN AND EXTEND 24 BAR DIAMETERS INTO NEW WORK, UNLESS SPECIFIED OTHERWISE.

UNDER THE BID ITEM "ADHESIVE ANCHORS NO. 5 BAR", ANCHORED REINFORCING STEEL SHALL BE PAID FOR SEPARATELY AS PROVIDED IN SECTION 505 OF THE STANDARD SPECIFICATIONS FOR BAR STEEL REINFORCEMENT.

BEVEL EDGES OF EXPOSED CONCRETE ¾" MIN. OR MATCH EXISTING BEVELS UNLESS NOTED OTHERWISE.

AT "CURB REPAIR" EXPOSE EXISTING REINFORCEMENT A MINIMUM OF 1½" CLEAR.

A MINIMUM OF ½-INCH OF CONCRETE SHALL BE REMOVED FROM THE ENTIRE BRIDGE DECK UNDER THE BID ITEM "CLEANING DECKS".

PROFILE GRADE LINE SHALL BE DETERMINED IN THE FIELD BASED ON A MINIMUM OVERLAY THICKNESS OF 1½" PLACED ABOVE THE DECK SURFACE AFTER SURFACE PREPARATION. THE EXPECTED AVERAGE OVERLAY THICKNESS IS 2⅞". IF EXPECTED AVERAGE OVERLAY THICKNESS IS EXCEEDED BY MORE THAN ½", CONTACT THE STRUCTURES DESIGN SECTION.

EXPANSION JOINT ASSEMBLY, INCLUDING ANCHOR STUDS AND HARDWARE, SHALL BE PAID FOR IN THE LUMP SUM PRICE BID AS "EXPANSION DEVICE B-64-26".

REMOVE DESIGNATED MOVEABLE BEARING ASSEMBLIES AT THE ABUTMENTS AND PIERS 1 AND 3 UNDER THE BID ITEM "REMOVING BEARINGS B-64-26" AND REPLACE WITH LAMINATED ELASTOMERIC BEARINGS.

EXISTING FIXED BEARINGS AT PIER 2 TO BE CLEANED AND PAINTED.

CLEAN AND PAINT ALL EXPOSED STEEL SUPERSTRUCTURE SURFACES UNDERNEATH THE BRIDGE. THE SURFACES INCLUDE GIRDERS, DIAPHRAGMS, CROSS FRAMES, CONNECTIONS, FIXED BEARINGS, ETC. ALL CLEANING AND PAINTING TO BE PAID FOR AS "STRUCTURE REPAINTING RECYCLED ABRASIVE B-64-26". PAINT APPLICATIONS ON THE BEARINGS SHOULD BE BRUSHED ON.

EXISTING STEEL SUPERSTRUCTURE AND BEARINGS SHALL BE PAINTED BLUE, FEDERAL COLOR NUMBER 25240.

REMOVE ALL VEGETATION FROM EXISTING CONCRETE SLOPE PAVING, INCLUDED IN THE BID ITEM "VEGETATION REMOVAL B-64-26".

THE UTILITY INFORMATION SHOWN ON THESE DRAWINGS CONCERNING TYPE AND LOCATION IS NOT GUARANTEED TO BE ACCURATE OR ALL-INCLUSIVE. THE CONTRACTOR IS RESPONSIBLE FOR MAKING HIS OWN DETERMINATION AS TO TYPE AND LOCATION OF UTILITIES AS MAY BE NECESSARY TO AVOID DAMAGE.

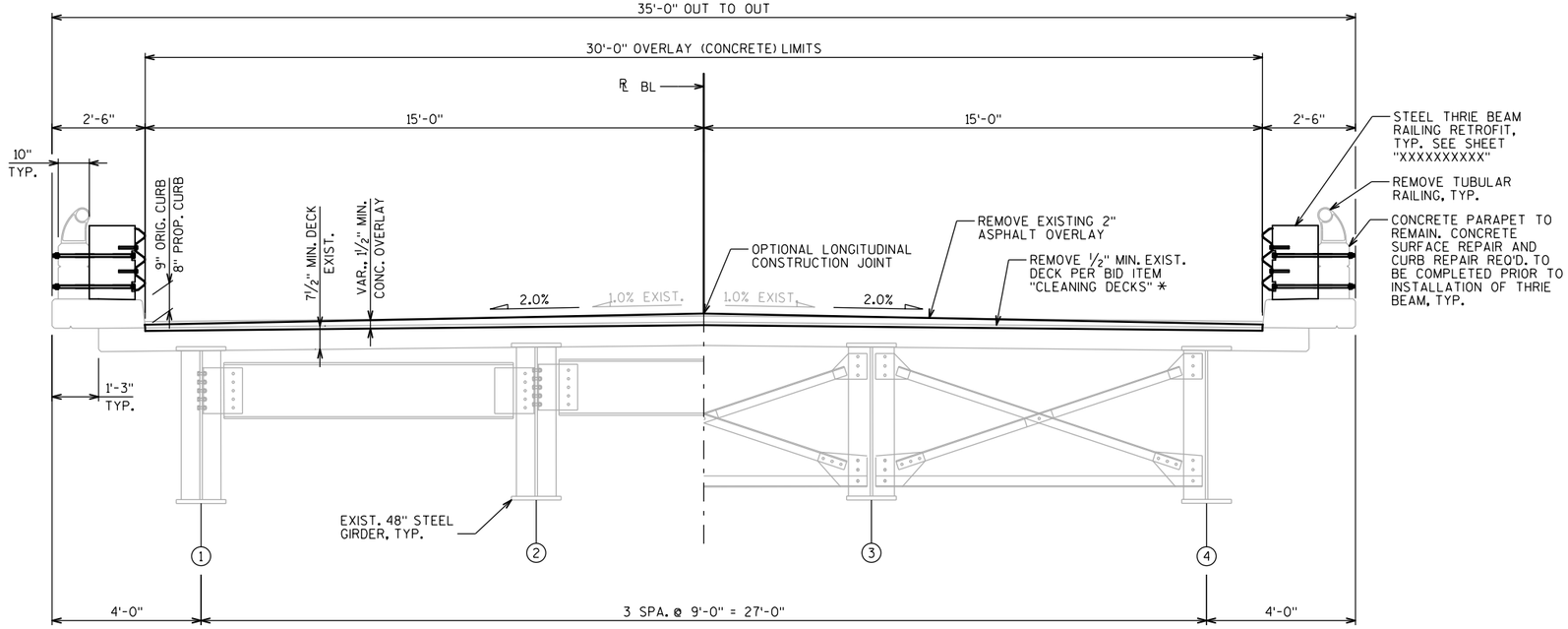
REMOVAL OF EXISTING DOWNSPOUT IN CONSIDERED INCIDENTAL TO "DOWNSPOUT 6-INCH".

VERIFY DRAIN DOWNSPOUTS ARE NOT CLOGGED ONCE CONSTRUCTION COMPLETED. CLOGGED DOWNSPOUTS TO BE CLEANED OUT AND CONSIDERED INCIDENTAL TO "ADJUSTING FLOOR DRAINS".

EXISTING FLOOR DRAINS TO REMAIN IN PLACE. REMOVE TOP OF DECK IN DRAIN AREA AS DIRECTED BY THE FIELD ENGINEER TO ALLOW PLACING AND SLOPING OF 1½" CONCRETE OVERLAY.

<PROPOSED ROADWAY STAGING CALLS FOR BRIDGE CLOSURE DURING OVERLAY AND ON-DECK WORK.>

2⅞" AVERAGE OVERLAY THICKNESS



DIAPHRAGM AT ABUTMENTS

TYPICAL CROSS FRAMING

TYPICAL SECTION
(LOOKING EAST)

TOTAL ESTIMATED QUANTITIES

	ITEM NO.	BID ITEM	UNIT	TOTAL
	203.0210.S.XX	ABATEMENT OF ASBESTOS CONTAINING MATERIAL B-64-26	LS	
	203.0225.S.XX	DEBRIS CONTAINMENT B-64-26	LS	
	502.3100.XX	EXPANSION DEVICE B-64-26	LS	
	502.3200	PROTECTIVE SURFACE TREATMENT	SY	
	502.3210	PIGMENTED SURFACE SEALER	SY	
	502.3215.S	PROTECTIVE SURFACE TREATMENT RESEAL	SY	
	502.4205	ADHESIVE ANCHORS NO. 5 BARS	EACH	
	505.0600	BAR STEEL REINFORCEMENT HS COATED STRUCTURES	LB	
	506.2610	BEARING PADS ELASTOMERIC LAMINATED	EACH	
	506.7050.S.XX	REMOVING BEARINGS B-64-26	EACH	
	509.0301	PREPARATION DECKS TYPE 1	SY	
	509.0302	PREPARATION DECKS TYPE 2	SY	
*	509.0500	CLEANING DECKS	SY	
	509.1000	JOINT REPAIR	SY	
	509.1200	CURB REPAIR	LF	
	509.1500	CONCRETE SURFACE REPAIR	SF	
	509.2000	FULL-DEPTH DECK REPAIR	SY	
	509.2500	CONCRETE MASONRY OVERLAY DECKS	CY	
	509.9010.S.XX	REMOVING ASPHALTIC CONCRETE DECK OVERLAY B-64-26	SY	
	509.9050.S	CLEANING PARAPETS	LF	
	514.0900	ADJUSTING FLOOR DRAINS	EACH	
	514.2625	DOWNSPOUT 6-INCH	LF	
	517.1800.S.XX	STRUCTURE REPAINTING RECYCLED ABRASIVE B-64-26	LS	
	517.4500.S.XX	NEGATIVE PRESSURE CONTAINMENT AND COLLECTION OF WASTE MATERIALS B-64-26	LS	
	517.6001.S	PORTABLE DECONTAMINATION FACILITY	EACH	
	SPV.0060.XX	EMBEDDED GALVANIC ANODES	EACH	
	SPV.0060.XX	CLEAN DECK DRAINS	EACH	
	SPV.0090.XX	STEEL THRIE BEAM RAILING RETROFIT	LF	
	SPV.0105.XX	VEGETATION REMOVAL B-64-26	LS	
		NON-BID ITEMS		

ALL ITEMS ARE CATEGORY XXXX

* REMOVE ONLY ½" OF EXISTING DECK, NOT 1" PER THE STANDARD SPECIFICATIONS

STATUS SET 1/31/18

PRELIMINARY PLANS

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-64-26

DRAWN BY HDA | PLANS CK'D. EAJ

TYPICAL SECTION, GENERAL NOTES & QUANTITIES

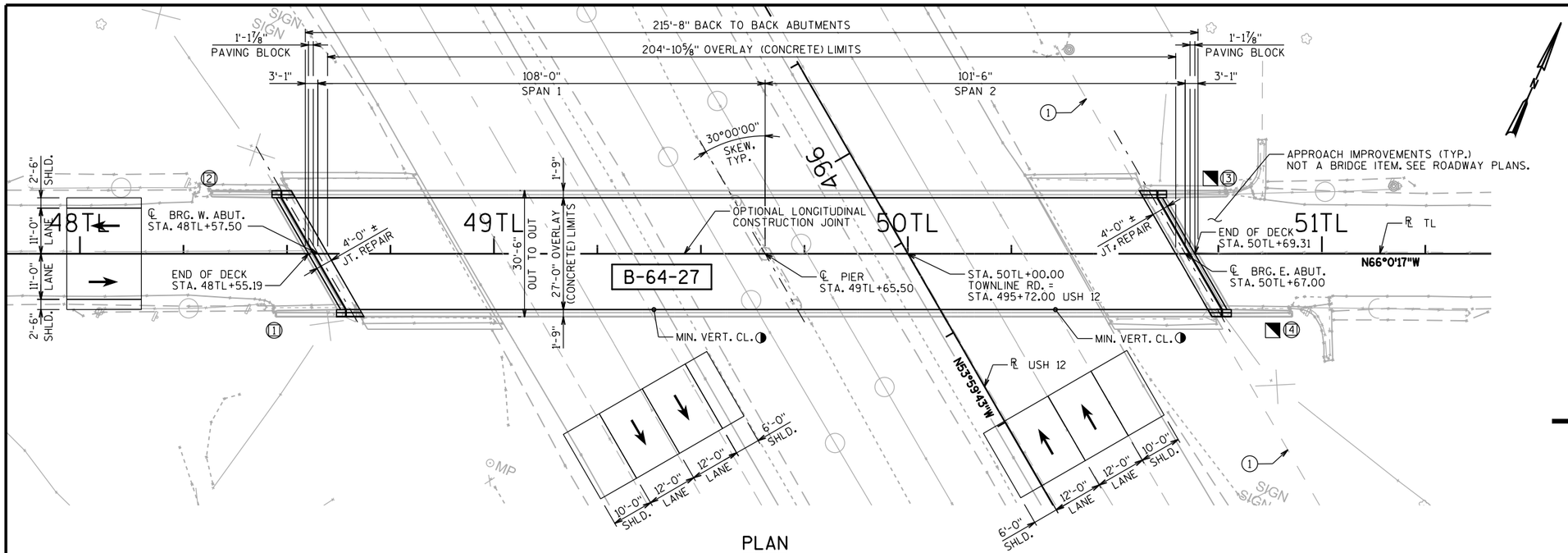
SHEET 2 OF 2

PRE_57

8

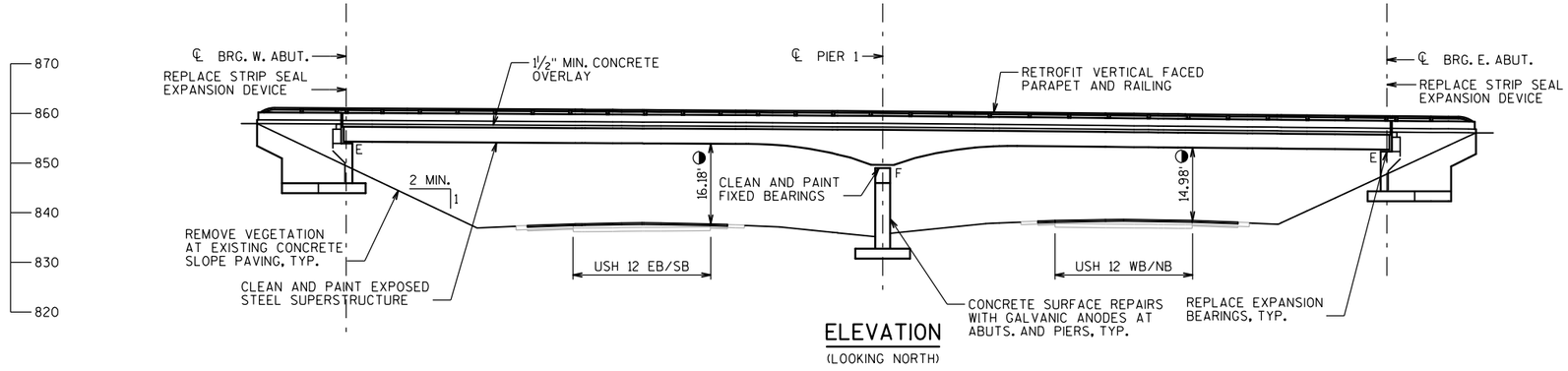
8

STATE PROJECT NUMBER
3839-03-73



PLAN

(CONCRETE OVERLAY OF 2 SPAN STEEL GIRDERS)



ELEVATION

(LOOKING NORTH)

LIST OF DRAWINGS

LEGEND

- TRAFFIC DIRECTION
- LOCATION PER INSPECTION REPORT. MIN. CLEARANCE TAKEN FROM HSI SYSTEM 9-28-2017.
- (X) WING NUMBER
- LOCATION OF SURFACE DRAIN ANCORS

UTILITY NOTES

(1) EXISTING DRAINAGE PIPE TO REMAIN

TRAFFIC DATA

TOWNLINE RD.

EXISTING A.D.T. = X,X00 (20XX)
FUTURE A.D.T. = X,X00 (2040)
R.D.S. = 50 M.P.H.

USH 12

EXISTING A.D.T. = 13,600 (2015)
FUTURE A.D.T. = 17,200 (2040)
R.D.S. = 70 M.P.H.

DESIGN DATA

LIVE LOAD

INVENTORY RATING: HSXX
OPERATING RATING: HSXX
WISCONSIN STANDARD PERMIT VEHICLE (WIS-SPV) = XXX KIPS

MATERIAL PROPERTIES

CONCRETE MASONRY:
SUPERSTRUCTURE ..... f'c = 4,000 psi
ALL OTHER ..... f'c = 3,500 psi
BAR STEEL REINFORCEMENT ..... fy = 60,000 psi

STATUS SET 1/31/18

PRELIMINARY PLANS

STRUCTURES DESIGN CONTACTS

BRIDGE OFFICE:
WILLIAM DREHER (608) 266-8489
CONSULTANT:
PAT CASHIN (414) 359-2300

NO.	DATE	REVISION	BY

ORIGINAL PLANS PREPARED BY
HNTB
11414 W. PARK PLACE
MILWAUKEE, WI 53224
(414) 359-2300

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

ACCEPTED _____ _____
CHIEF STRUCTURES DESIGN ENGINEER DATE

STRUCTURE B-64-27

TOWNLINE RD. OVER USH 12

COUNTY	TOWN
WALWORTH	BLOOMFIELD

DESIGN SPEC.
REHABILITATION N/A

DESIGNED BY	DESIGN CK'D.	DRAWN BY	PLANS CK'D.
HDA	PJC	HDA	EAJ

GENERAL PLAN & ELEVATION

SHEET 1 OF 2

PRE_58

STATE PROJECT NUMBER
3839-03-73

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

DIMENSIONS SHOWN ARE BASED ON THE EXISTING STRUCTURE PLANS.

ALL DIMENSIONS ARE IN FEET AND INCHES UNLESS OTHERWISE NOTED. ALL STATIONS AND ELEVATIONS ARE IN FEET.

REMOVAL OF THE BRUSH CURB AT THE JOINTS IS INCLUDED IN BID ITEM "JOINT REPAIR".

APPLY "PROTECTIVE SURFACE TREATMENT" TO THE ENTIRE TOP SURFACE OF THE NEW CONCRETE OVERLAY, THE TOP OF ANY NEW DECK, THE TOPS OF PAVING BLOCKS, AND THE TOP AND CURB FACES OF NEW BRUSH CURBS ASSOCIATED WITH THE JOINT REPLACEMENT.

APPLY "PIGMENTED SURFACE SEALER" TO THE TOP AND INSIDE FACES OF EXISTING PARAPETS. PERFORM "CLEANING PARAPETS" PRIOR TO THIS APPLICATION. APPLY "PIGMENTED SURFACE SEALER" TO THE TOP AND INSIDE FACES OF NEW SECTIONS OF PARAPET AT THE JOINT REPLACEMENT(S).

CLEAN AND APPLY PROTECTIVE SURFACE TREATMENT TO THE TOP AND VERTICAL FACES OF THE BRUSH CURBS, PAID FOR UNDER "PROTECTIVE SURFACE TREATMENT RESEAL".

PERFORM ALL PARAPET AND BRUSH CURB REPAIRS, SURFACE TREATMENT APPLICATIONS AND EXPANSION JOINT REPLACEMENT PRIOR TO INSTALLATION OF STEEL THRIE BEAM RAILING RETROFIT.

"PREPARATION DECKS TYPE 1", "PREPARATION DECKS TYPE 2", AND "FULL-DEPTH DECK REPAIR" AREAS ARE BASED ON THE PLANS AND AS DETERMINED BY THE ENGINEER. DECK PREPARATION AND FULL-DEPTH DECK REPAIRS SHALL BE FILLED WITH "CONCRETE MASONRY OVERLAY DECKS". <AREAS TO BE ADDED FOR FINAL PLANS.>

LOCATIONS OF THE FOLLOWING BID ITEMS SHALL BE DETERMINED IN THE FIELD BY THE PROJECT ENGINEER. QUANTITIES SHOWN FOR THESE ITEMS ARE APPROXIMATE.
- CURB REPAIR

"CONCRETE SURFACE REPAIR" AREAS SHOWN IN THE QUANTITIES TABLE ARE BASED ON THE BRIDGE INSPECTION REPORT AND ARE APPROXIMATE. EXACT AREAS OF REPAIR SHALL BE DETERMINED IN THE FIELD BY THE PROJECT ENGINEER. ALL SUBSTRUCTURE CONCRETE SURFACE REPAIRS SHALL INCLUDE "EMBEDDED GALVANIC ANODES", PAID FOR SEPARATELY.

ANY EXCAVATION REQUIRED TO COMPLETE THE CONCRETE OVERLAY OR JOINT REPAIRS AT THE ABUTMENTS IS TO BE CONSIDERED INCIDENTAL TO THE BID ITEM "CONCRETE MASONRY OVERLAY DECKS".

NEW CONCRETE AT JOINT REPAIR IS PAID FOR AS "CONCRETE MASONRY OVERLAY DECKS". THIS INCLUDES THE CONCRETE TO REPLACE SECTIONS OF BRUSH CURB WITHIN THE JOINT REPAIR LIMITS.

BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2" CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

ALL REINFORCING BARS ARE ENGLISH. THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE. BAR DIMENSIONS ARE OUT TO OUT OF BAR.

UTILIZE EXISTING BAR STEEL REINFORCEMENT WHERE SHOWN AND EXTEND 24 BAR DIAMETERS INTO NEW WORK, UNLESS SPECIFIED OTHERWISE.

UNDER THE BID ITEM "ADHESIVE ANCHORS NO. 5 BAR", ANCHORED REINFORCING STEEL SHALL BE PAID FOR SEPARATELY AS PROVIDED IN SECTION 505 OF THE STANDARD SPECIFICATIONS FOR BAR STEEL REINFORCEMENT.

BEVEL EDGES OF EXPOSED CONCRETE ¾" MIN. OR MATCH EXISTING BEVELS UNLESS NOTED OTHERWISE.

AT "CURB REPAIR" EXPOSE EXISTING REINFORCEMENT A MINIMUM OF 1½" CLEAR.

A MINIMUM OF ½-INCH OF CONCRETE SHALL BE REMOVED FROM THE ENTIRE BRIDGE DECK UNDER THE BID ITEM "CLEANING DECKS".

PROFILE GRADE LINE SHALL BE DETERMINED IN THE FIELD BASED ON A MINIMUM OVERLAY THICKNESS OF 1½" PLACED ABOVE THE DECK SURFACE AFTER SURFACE PREPARATION. THE EXPECTED AVERAGE OVERLAY THICKNESS IS 2¾". IF EXPECTED AVERAGE OVERLAY THICKNESS IS EXCEEDED BY MORE THAN ½", CONTACT THE STRUCTURES DESIGN SECTION.

EXPANSION JOINT ASSEMBLY, INCLUDING ANCHOR STUDS AND HARDWARE, SHALL BE PAID FOR IN THE LUMP SUM PRICE BID AS "EXPANSION DEVICE B-64-27".

REMOVE DESIGNATED MOVEABLE BEARING ASSEMBLIES AT THE ABUTMENTS UNDER THE BID ITEM "REMOVING BEARINGS B-64-27" AND REPLACE WITH LAMINATED ELASTOMERIC BEARINGS.

EXISTING FIXED BEARINGS AT THE PIER TO BE CLEANED AND PAINTED.

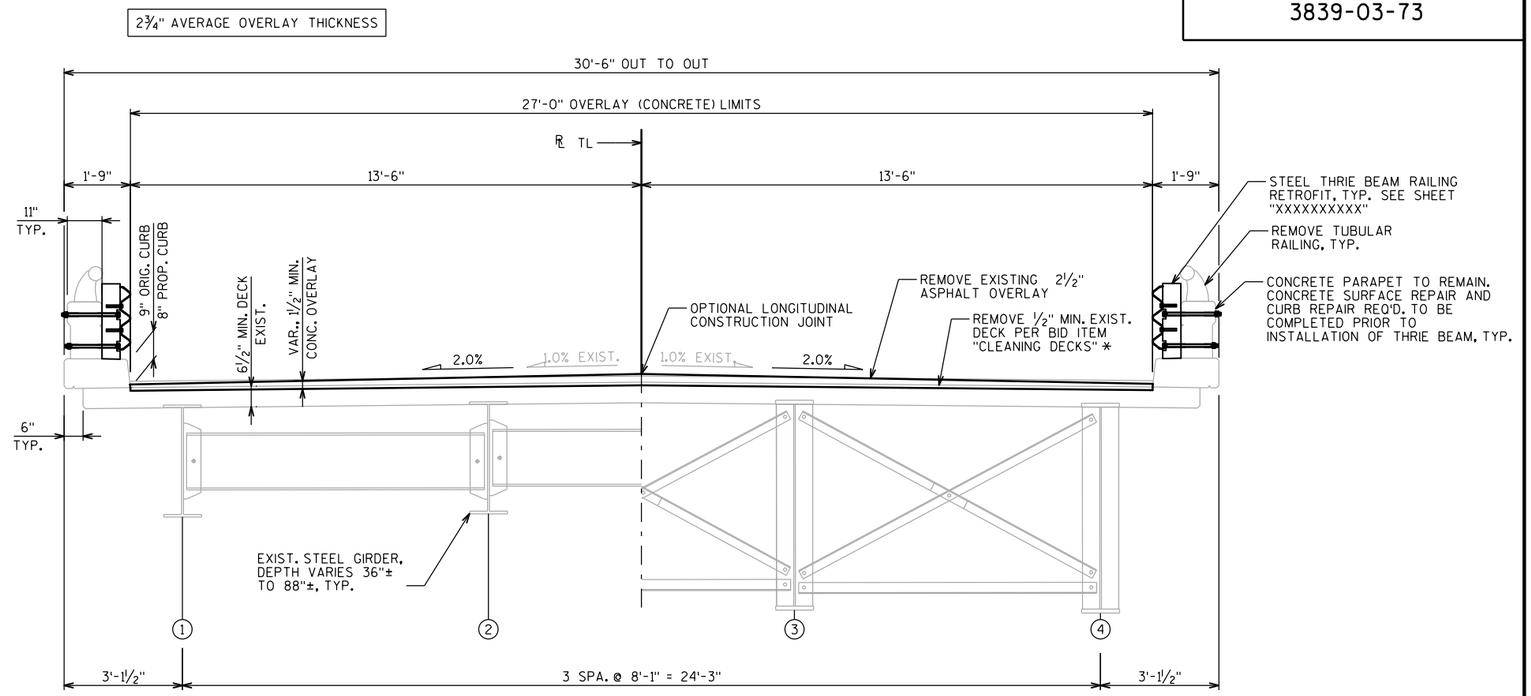
CLEAN AND PAINT ALL EXPOSED STEEL SUPERSTRUCTURE SURFACES UNDERNEATH THE BRIDGE. THE SURFACES INCLUDE GIRDERS, DIAPHRAGMS, CROSS FRAMES, CONNECTIONS, FIXED BEARINGS, ETC. ALL CLEANING AND PAINTING TO BE PAID FOR AS "STRUCTURE REPAINTING RECYCLED ABRASIVE B-64-27". PAINT APPLICATIONS ON THE BEARINGS SHOULD BE BRUSHED ON.

EXISTING STEEL SUPERSTRUCTURE AND BEARINGS SHALL BE PAINTED BLUE, FEDERAL COLOR NUMBER 25240.

REMOVE ALL VEGETATION FROM EXISTING CONCRETE SLOPE PAVING, INCLUDED IN THE BID ITEM "VEGETATION REMOVAL B-64-27".

THE UTILITY INFORMATION SHOWN ON THESE DRAWINGS CONCERNING TYPE AND LOCATION IS NOT GUARANTEED TO BE ACCURATE OR ALL-INCLUSIVE. THE CONTRACTOR IS RESPONSIBLE FOR MAKING HIS OWN DETERMINATION AS TO TYPE AND LOCATION OF UTILITIES AS MAY BE NECESSARY TO AVOID DAMAGE.

<PROPOSED ROADWAY STAGING CALLS FOR BRIDGE CLOSURE DURING OVERLAY AND ON-DECK WORK.>



TYPICAL

CROSS FRAMING AT PIER

TYPICAL SECTION
(LOOKING EAST)

TOTAL ESTIMATED QUANTITIES

	ITEM NO.	BID ITEM	UNIT	TOTAL
	203.0210.S.XX	ABATEMENT OF ASBESTOS CONTAINING MATERIAL B-64-27	LS	
	203.0225.S.XX	DEBRIS CONTAINMENT B-64-27	LS	
	502.3100.XX	EXPANSION DEVICE B-64-27	LS	
	502.3200	PROTECTIVE SURFACE TREATMENT	SY	
	502.3210	PIGMENTED SURFACE SEALER	SY	
	502.3215.S	PROTECTIVE SURFACE TREATMENT RESEAL	SY	
	502.4205	ADHESIVE ANCHORS NO. 5 BAR	EACH	
	505.0600	BAR STEEL REINFORCEMENT HS COATED STRUCTURES	LB	
	506.2610	BEARING PADS ELASTOMERIC LAMINATED	EACH	
	506.7050.S.XX	REMOVING BEARINGS B-64-27	EACH	
	509.0301	PREPARATION DECKS TYPE 1	SY	
	509.0302	PREPARATION DECKS TYPE 2	SY	
*	509.0500	CLEANING DECKS	SY	
	509.1000	JOINT REPAIR	SY	
	509.1200	CURB REPAIR	LF	
	509.1500	CONCRETE SURFACE REPAIR	SF	
	509.2000	FULL-DEPTH DECK REPAIR	SY	
	509.2500	CONCRETE MASONRY OVERLAY DECKS	CY	
	509.9010.S.XX	REMOVING ASPHALTIC CONCRETE DECK OVERLAY B-64-27	SY	
	509.9050.S	CLEANING PARAPETS	LF	
	517.1800.S.XX	STRUCTURE REPAINTING RECYCLED ABRASIVE B-64-27	LS	
	517.4500.S.XX	NEGATIVE PRESSURE CONTAINMENT AND COLLECTION OF WASTE MATERIALS B-64-27	LS	
	517.6001.S	PORTABLE DECONTAMINATION FACILITY	EACH	
	SPV.0060.XX	EMBEDDED GALVANIC ANODES	EACH	
	SPV.0090.XX	STEEL THRIE BEAM RAILING RETROFIT	LF	
	SPV.0105.XX	VEGETATION REMOVAL B-64-27	LS	
		NON-BID ITEMS		

ALL ITEMS ARE CATEGORY XXXX

* REMOVE ONLY ½" OF EXISTING DECK, NOT 1" PER THE STANDARD SPECIFICATIONS

STATUS SET
1/31/18

PRELIMINARY PLANS

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-64-27

DRAWN BY HDA | PLANS CK'D. EAJ

TYPICAL SECTION, GENERAL NOTES & QUANTITIES

SHEET 2 OF 2

PRE_59

8

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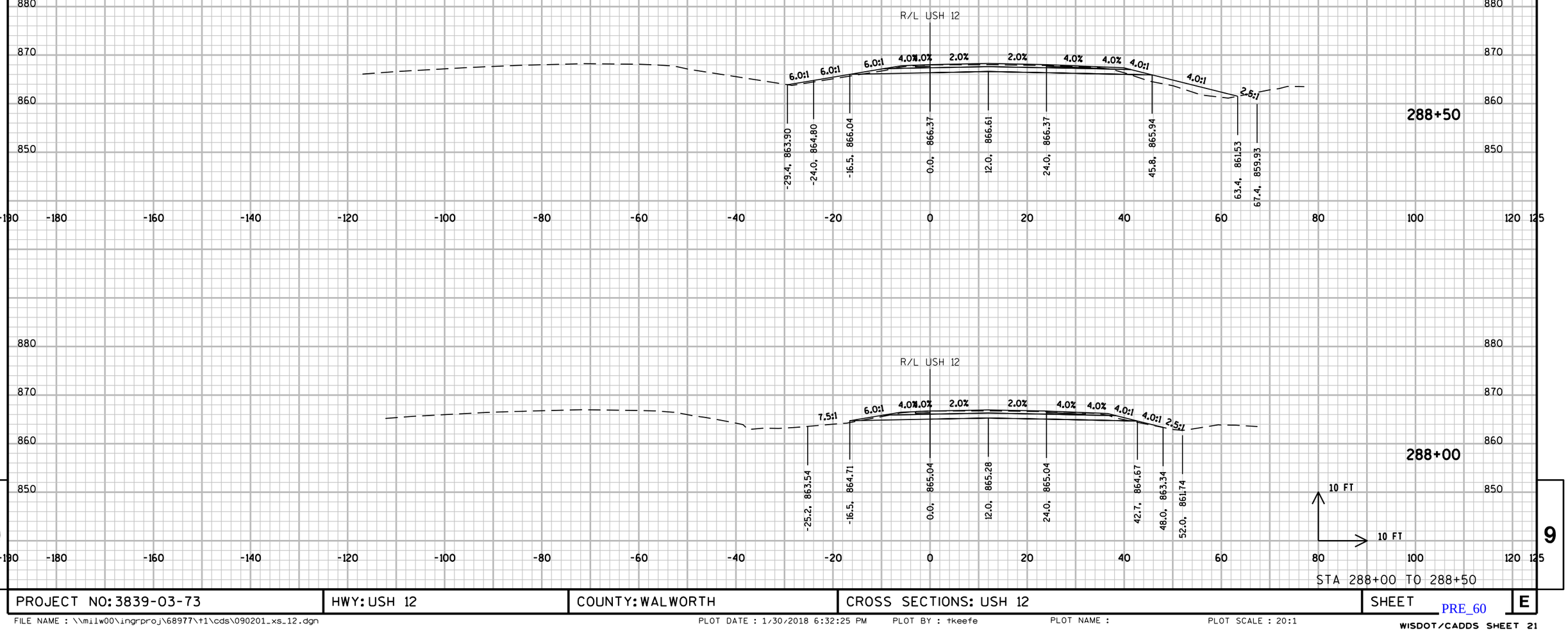

STA 288+00 TO 288+50

PROJECT NO: 3839-03-73	HWY: USH 12	COUNTY: WALWORTH	CROSS SECTIONS: USH 12	SHEET	E

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PRE_60

WISDOT/CADDS SHEET 21

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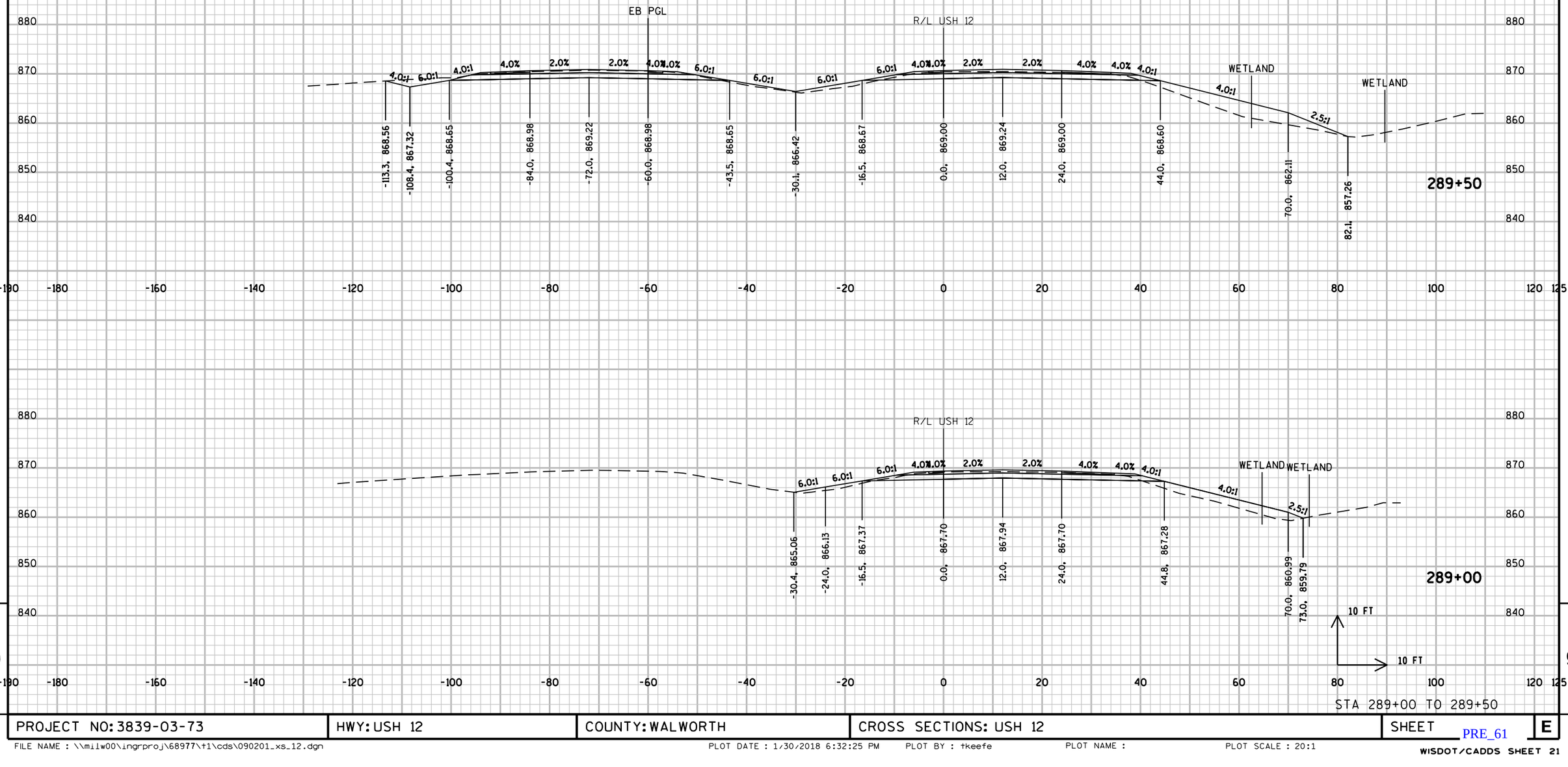

STA 289+00 TO 289+50

PROJECT NO: 3839-03-73	HWY: USH 12	COUNTY: WALWORTH	CROSS SECTIONS: USH 12	SHEET	E

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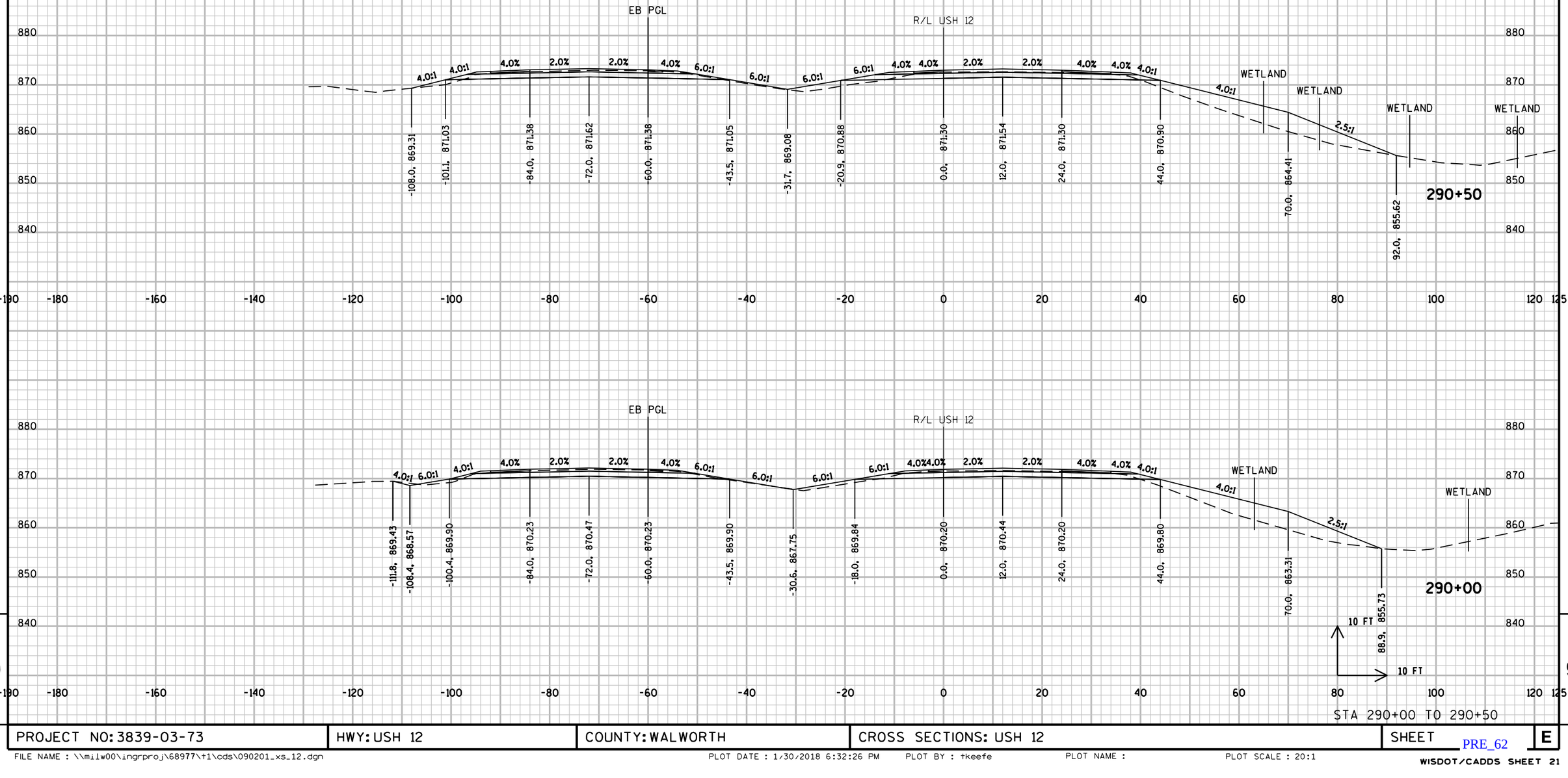
PRE_61

WISDOT/CADDS SHEET 21



STA 290+00 TO 290+50

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PRE_62

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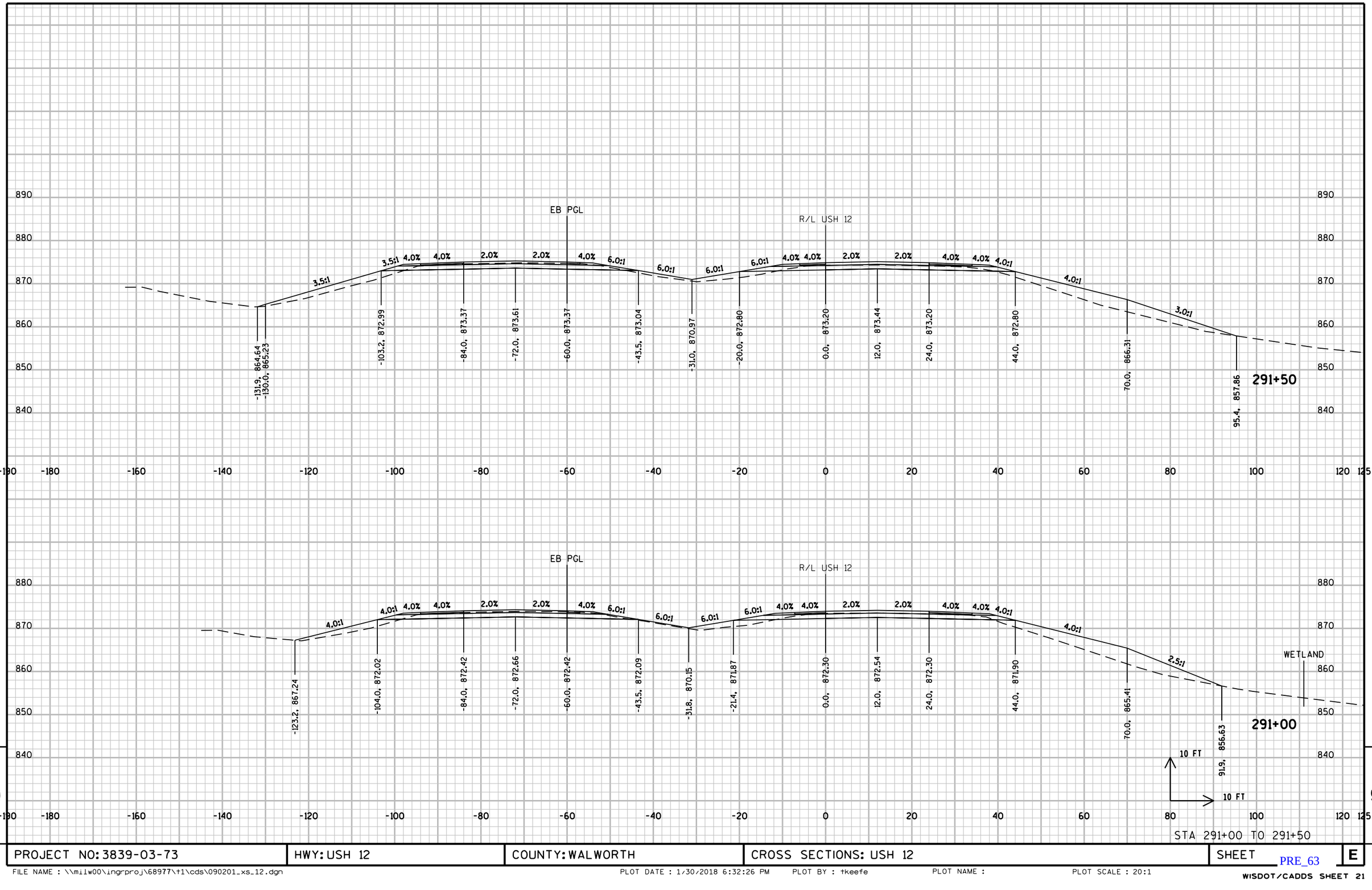

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PRE_63

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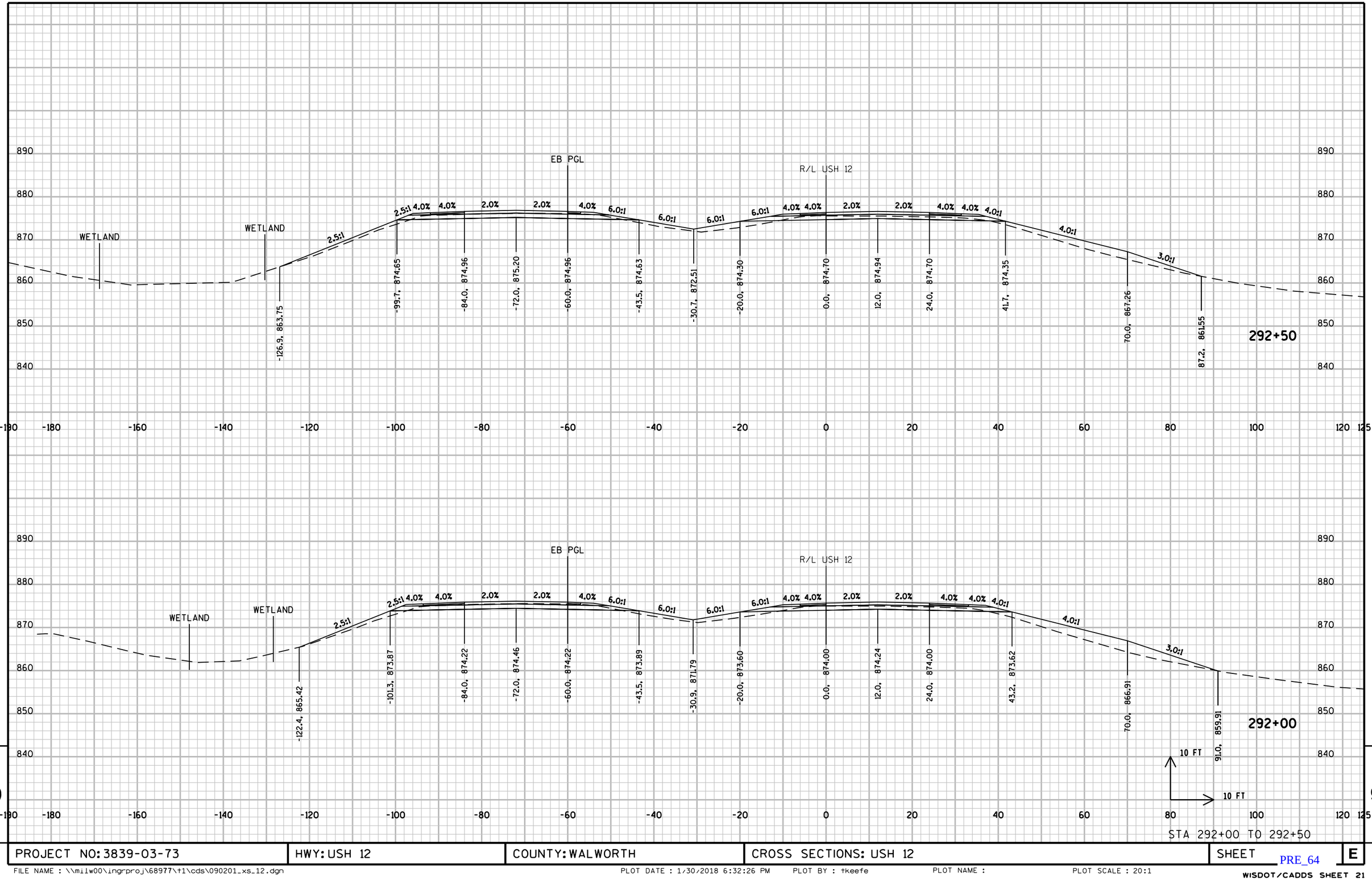

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PRE_64

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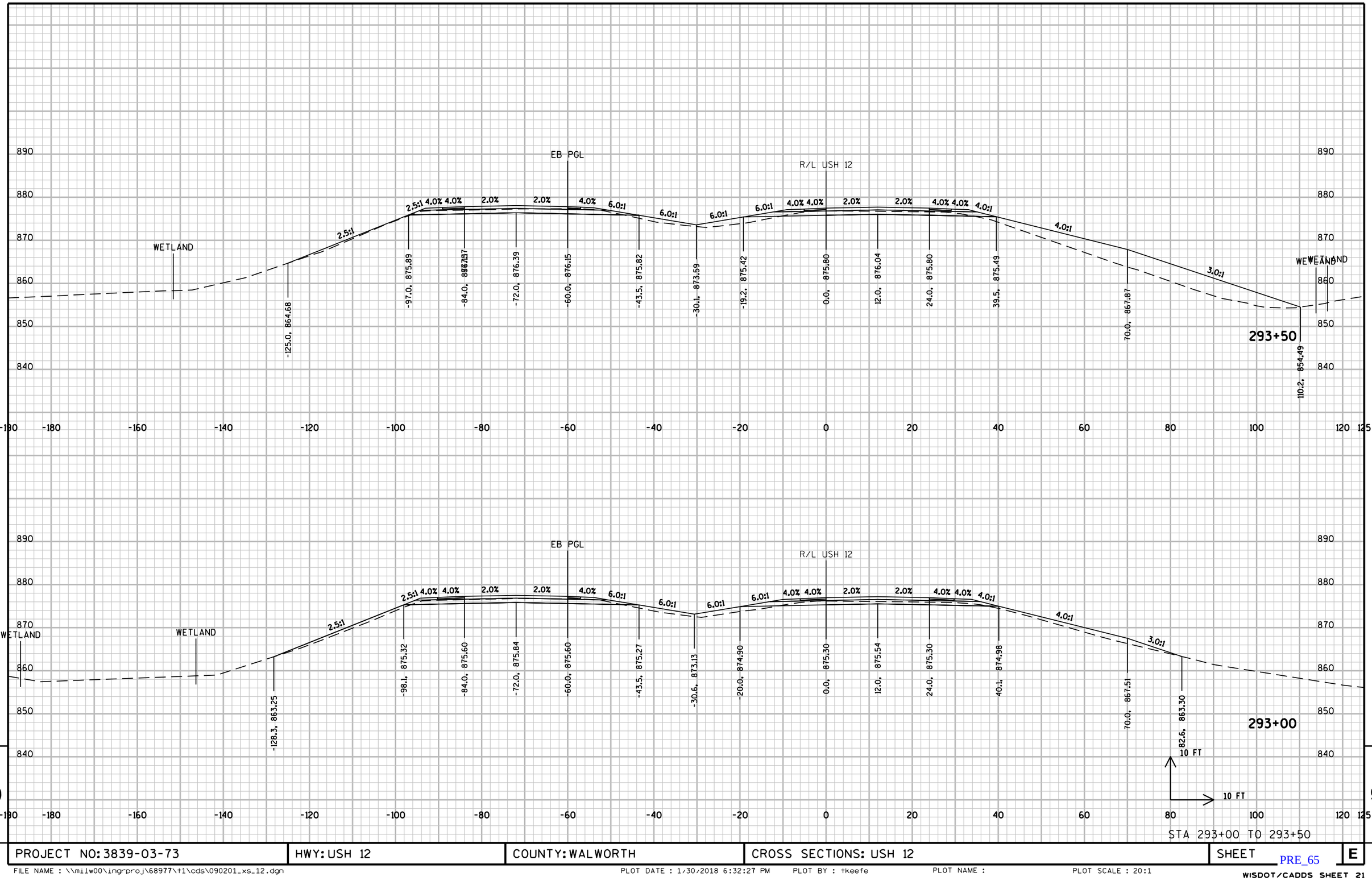

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PRE_65

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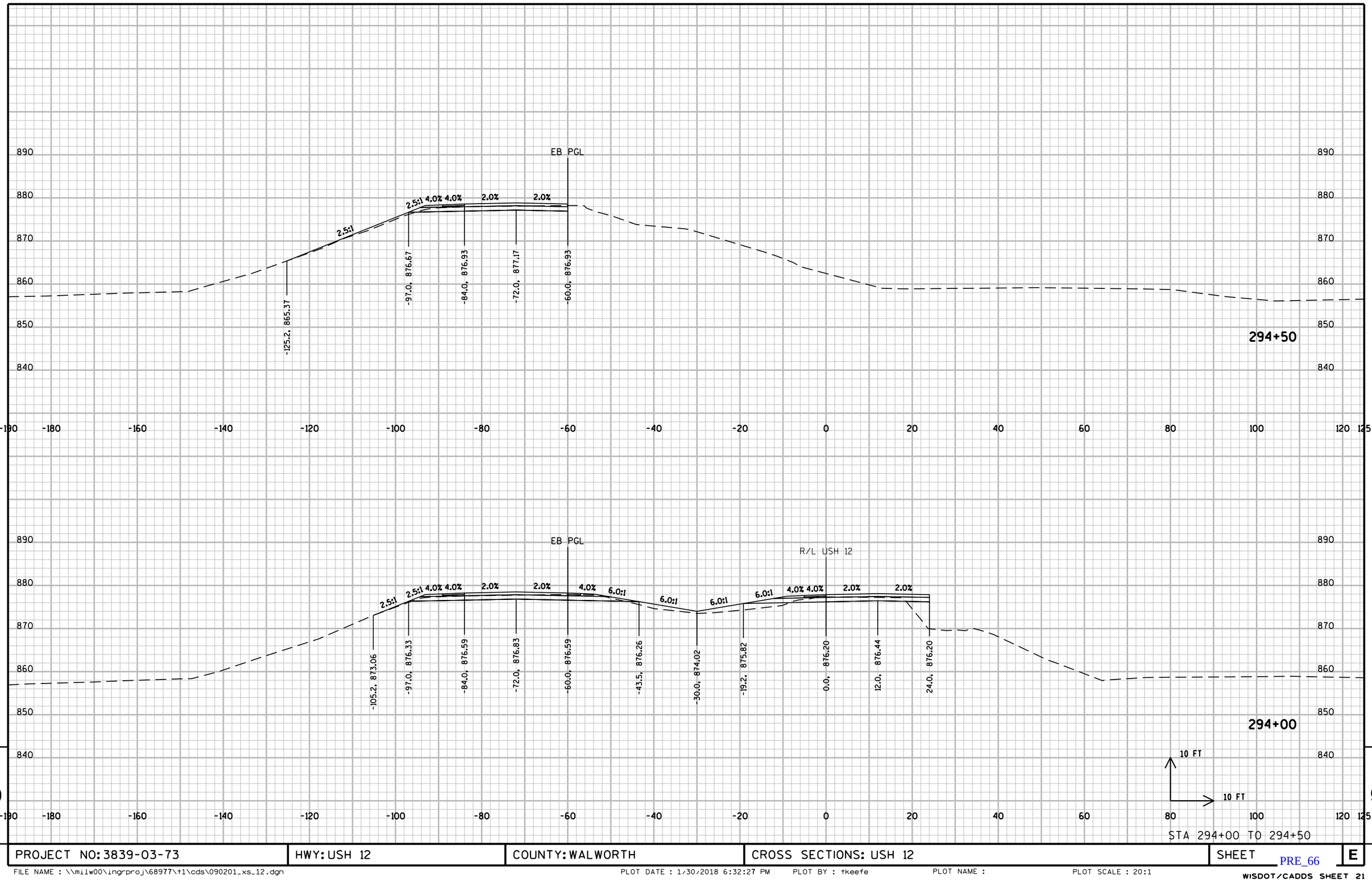

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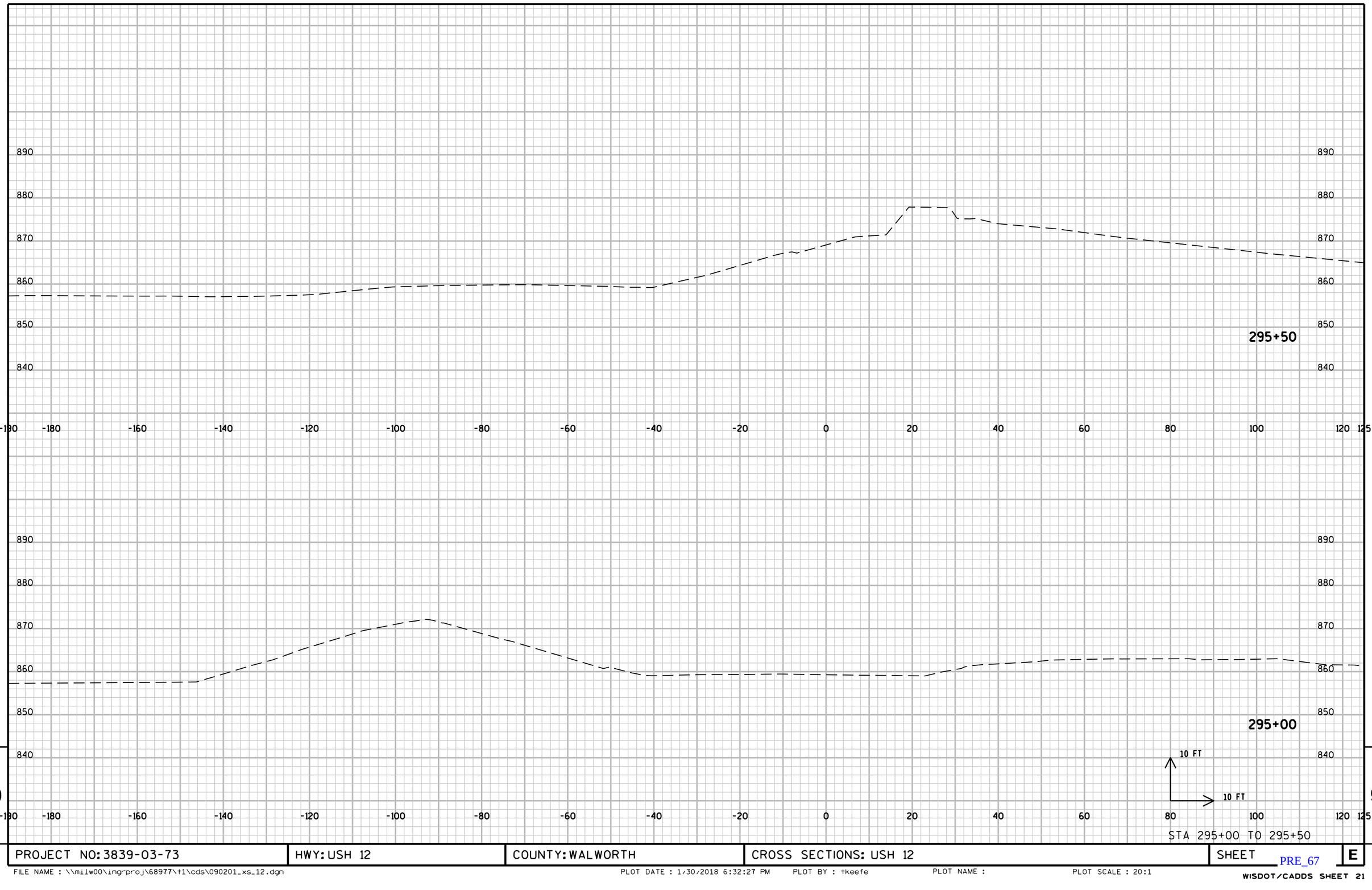
PRE_66

WISDOT/CADDS SHEET 21



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PROJECT NO: 3839-03-73	HWY: USH 12	COUNTY: WALWORTH	CROSS SECTIONS: USH 12	SHEET	E

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PRE_67

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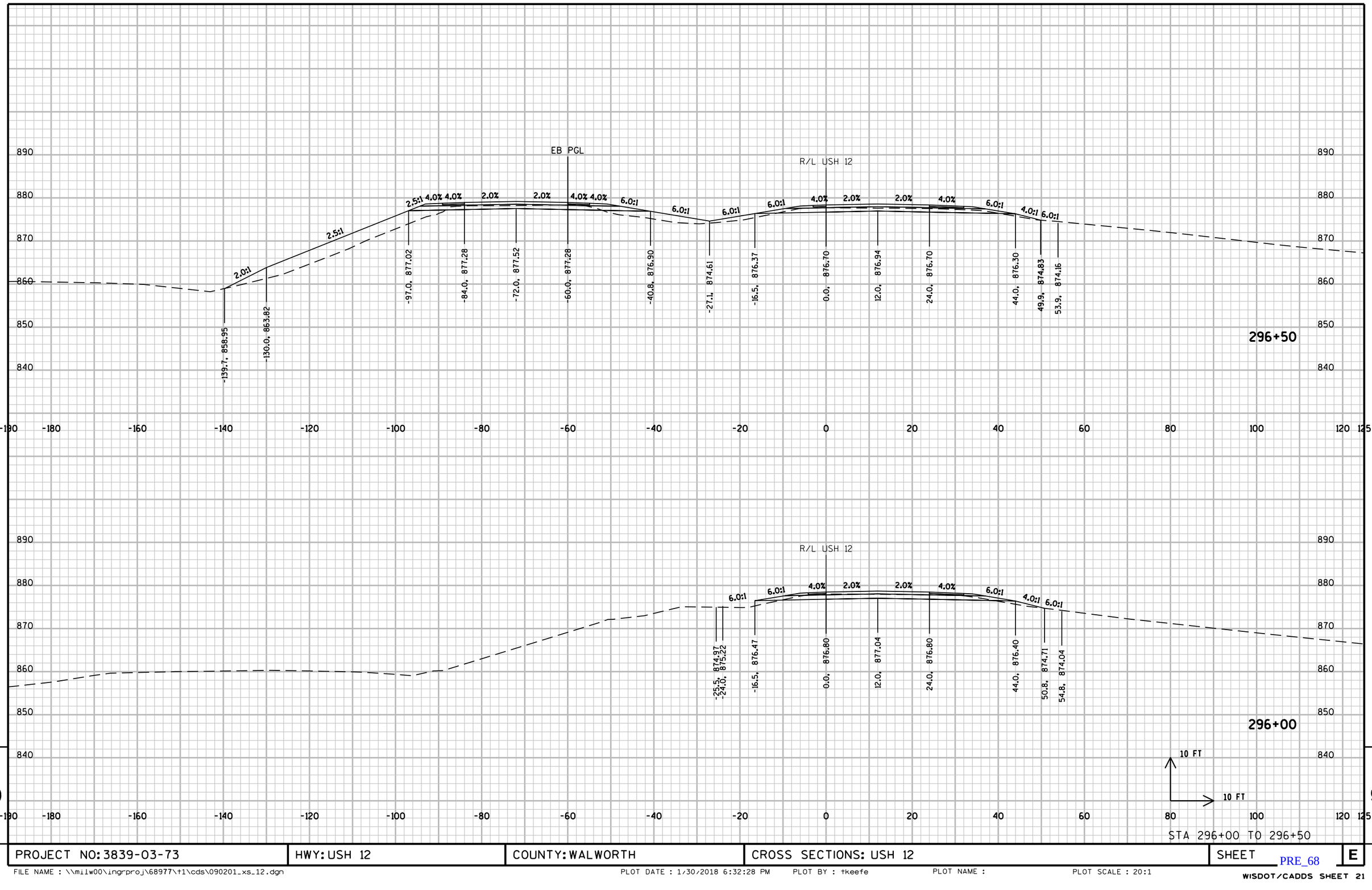

STA 296+00 TO 296+50

PROJECT NO: 3839-03-73	HWY: USH 12	COUNTY: WALWORTH	CROSS SECTIONS: USH 12	SHEET	E

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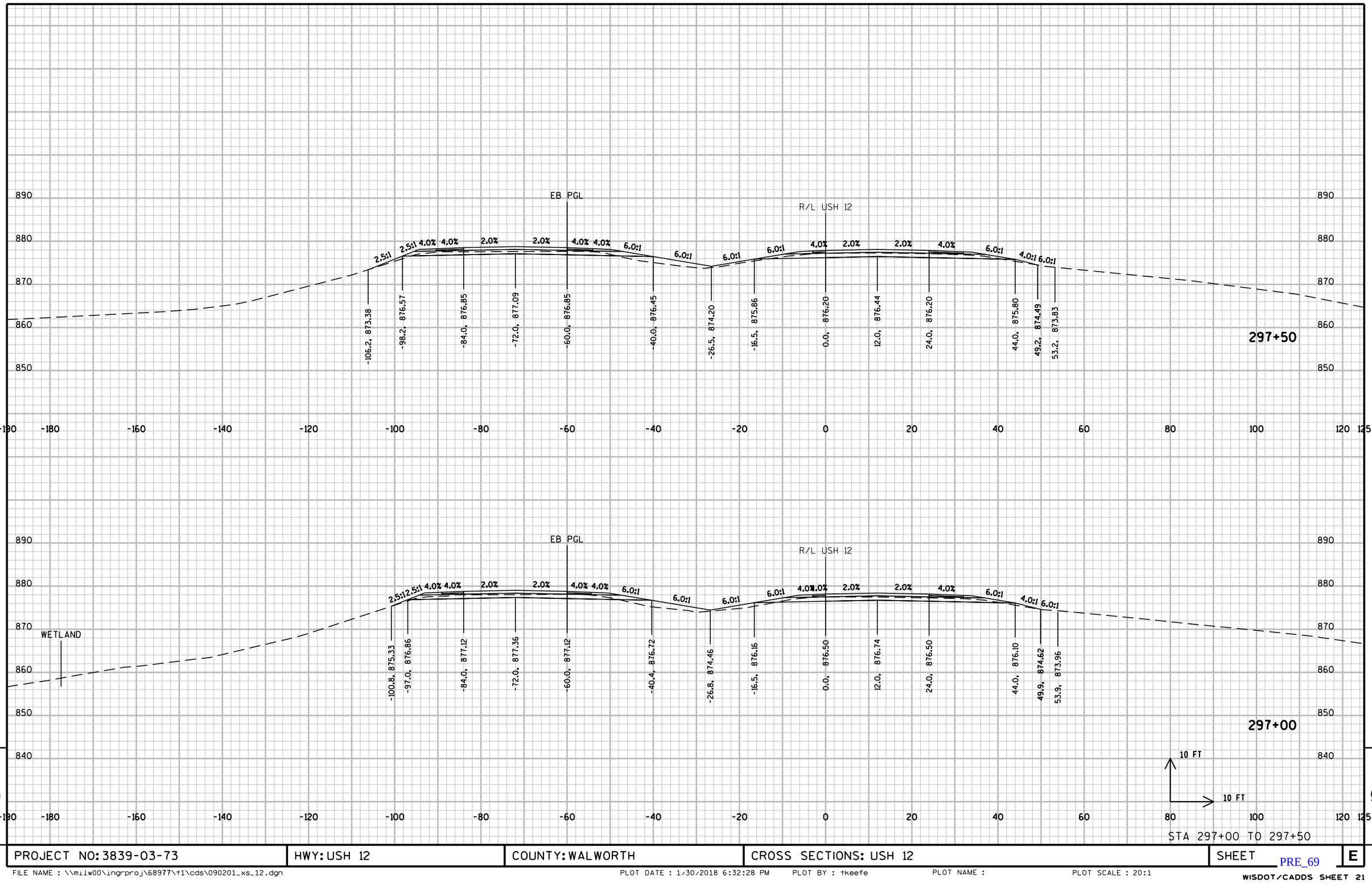
PRE_68

WISDOT/CADDS SHEET 21



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PROJECT NO: 3839-03-73	HWY: USH 12	COUNTY: WALWORTH	CROSS SECTIONS: USH 12	SHEET E

PRE_69

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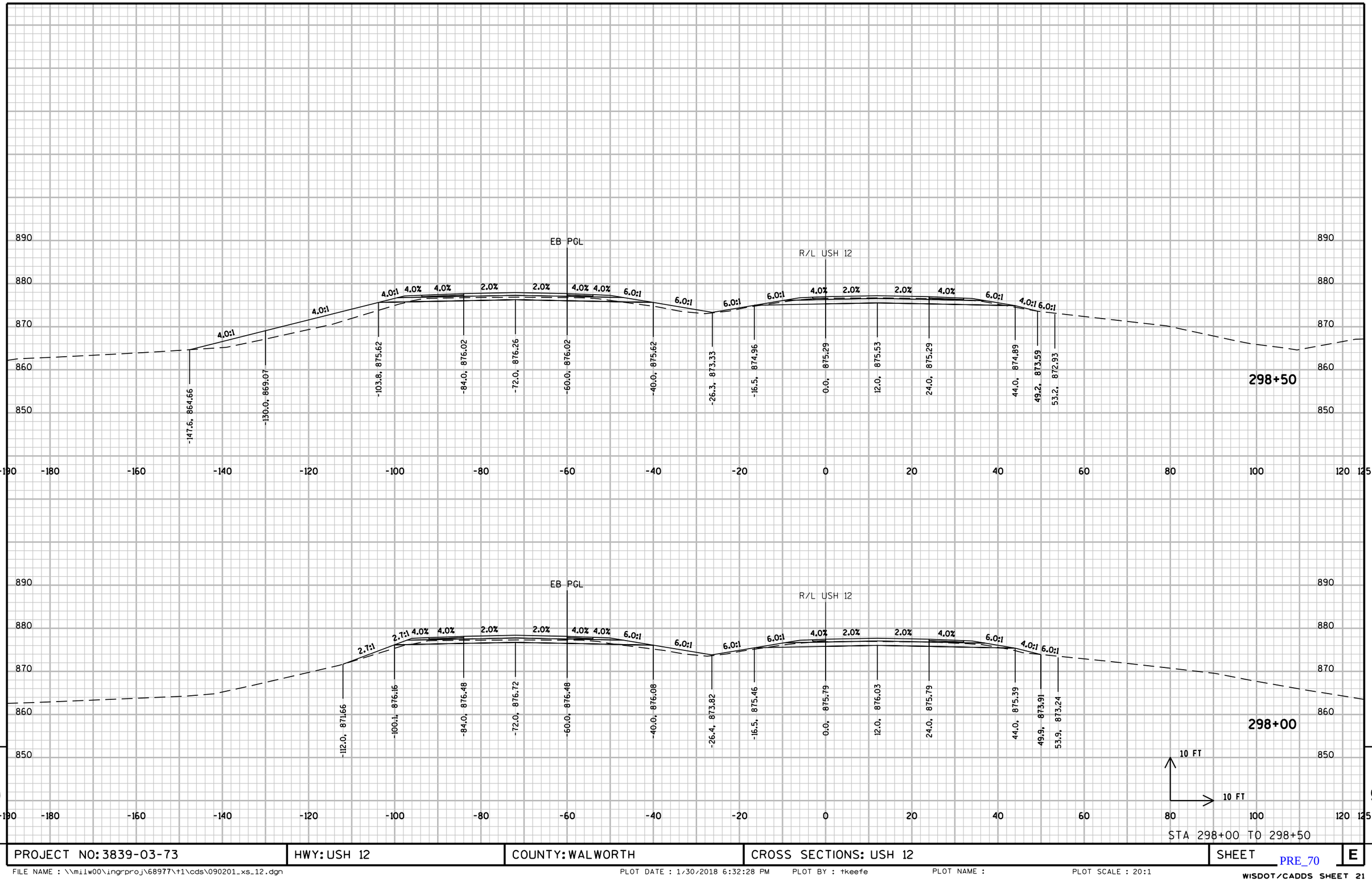

STA 298+00 TO 298+50

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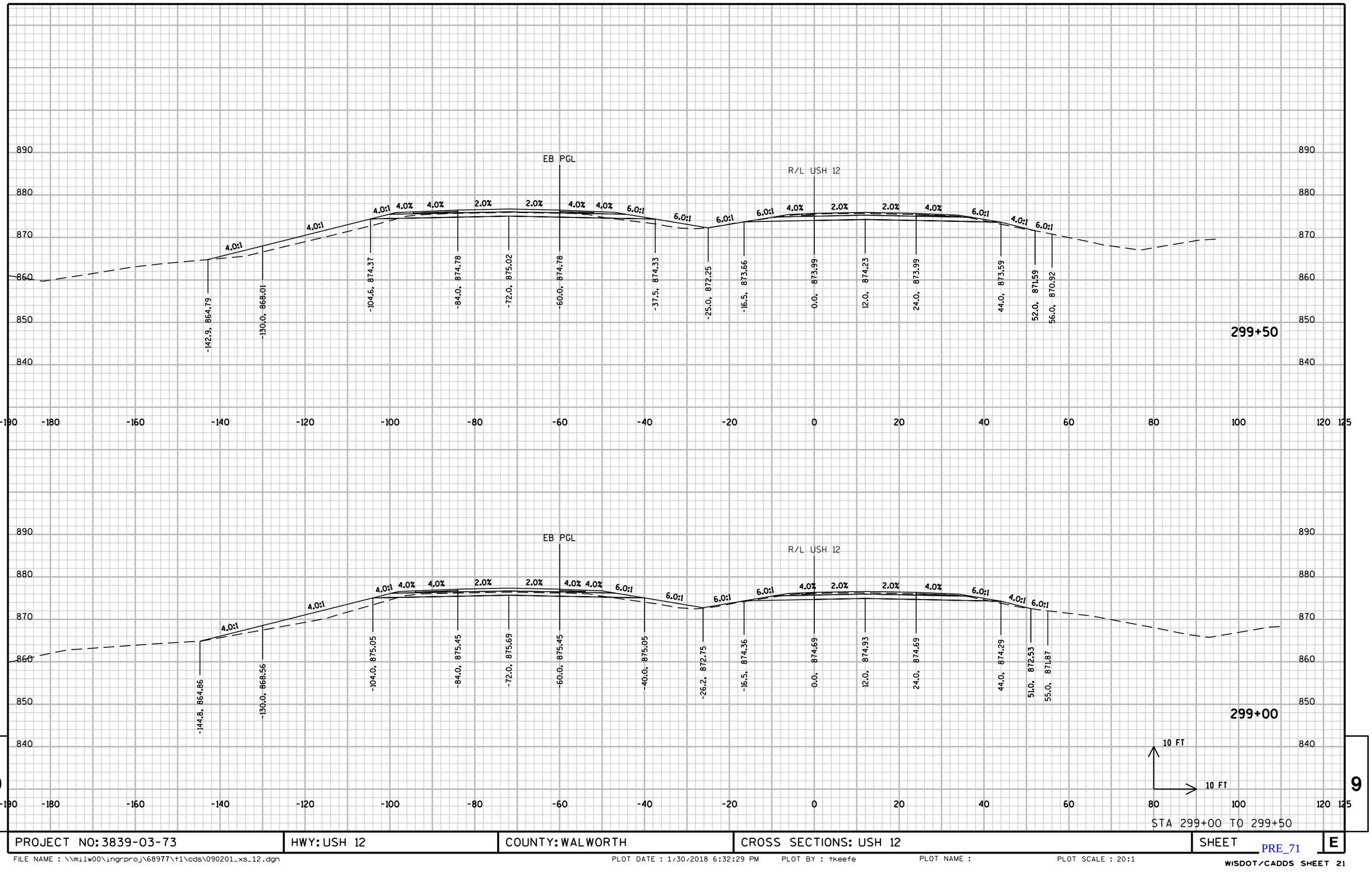
PRE_70

WISDOT/CADDS SHEET 21



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PROJECT NO: 3839-03-73	HWY: USH 12	COUNTY: WALWORTH	CROSS SECTIONS: USH 12	SHEET E

PRE_71

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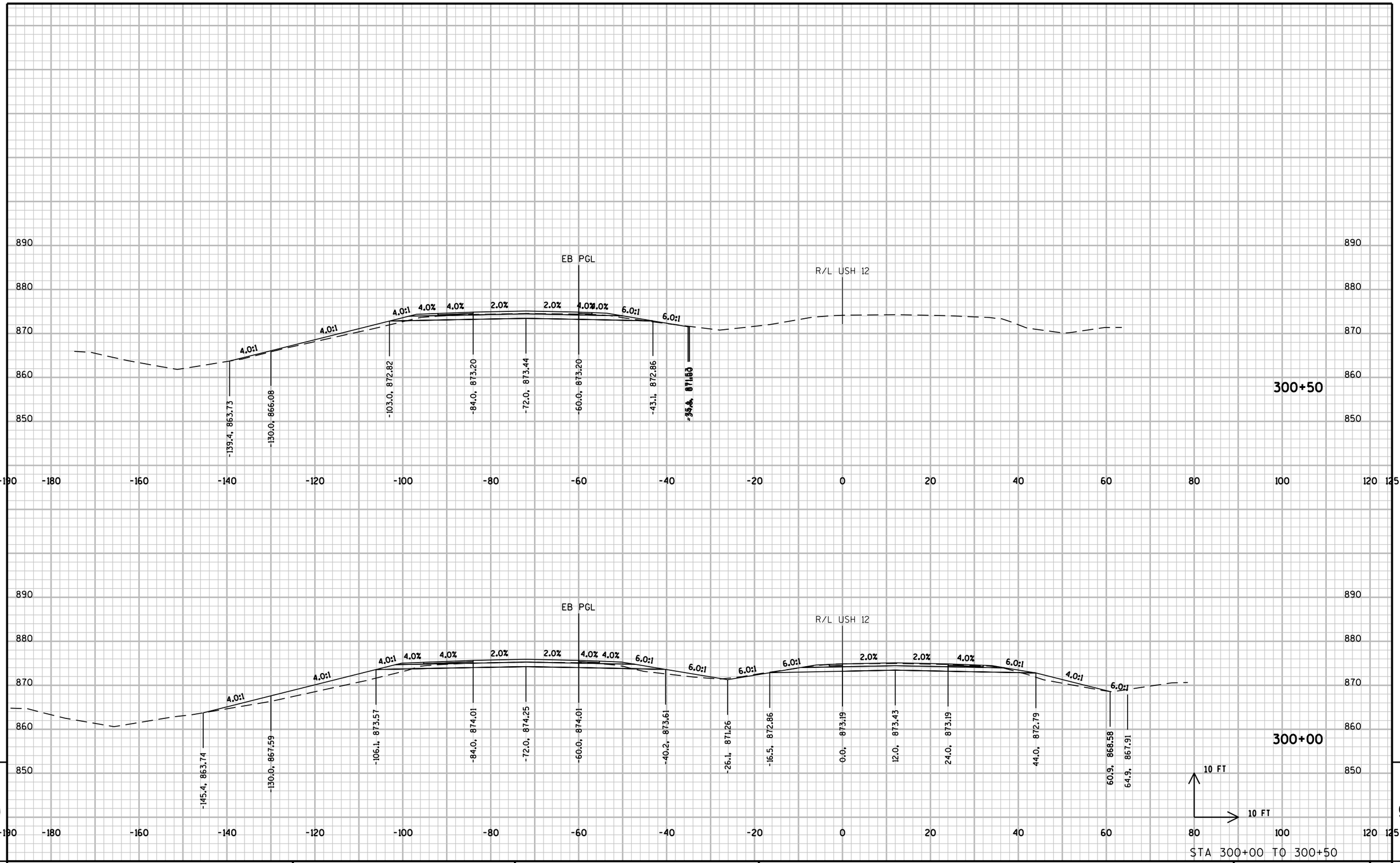

STA 300+00 TO 300+50

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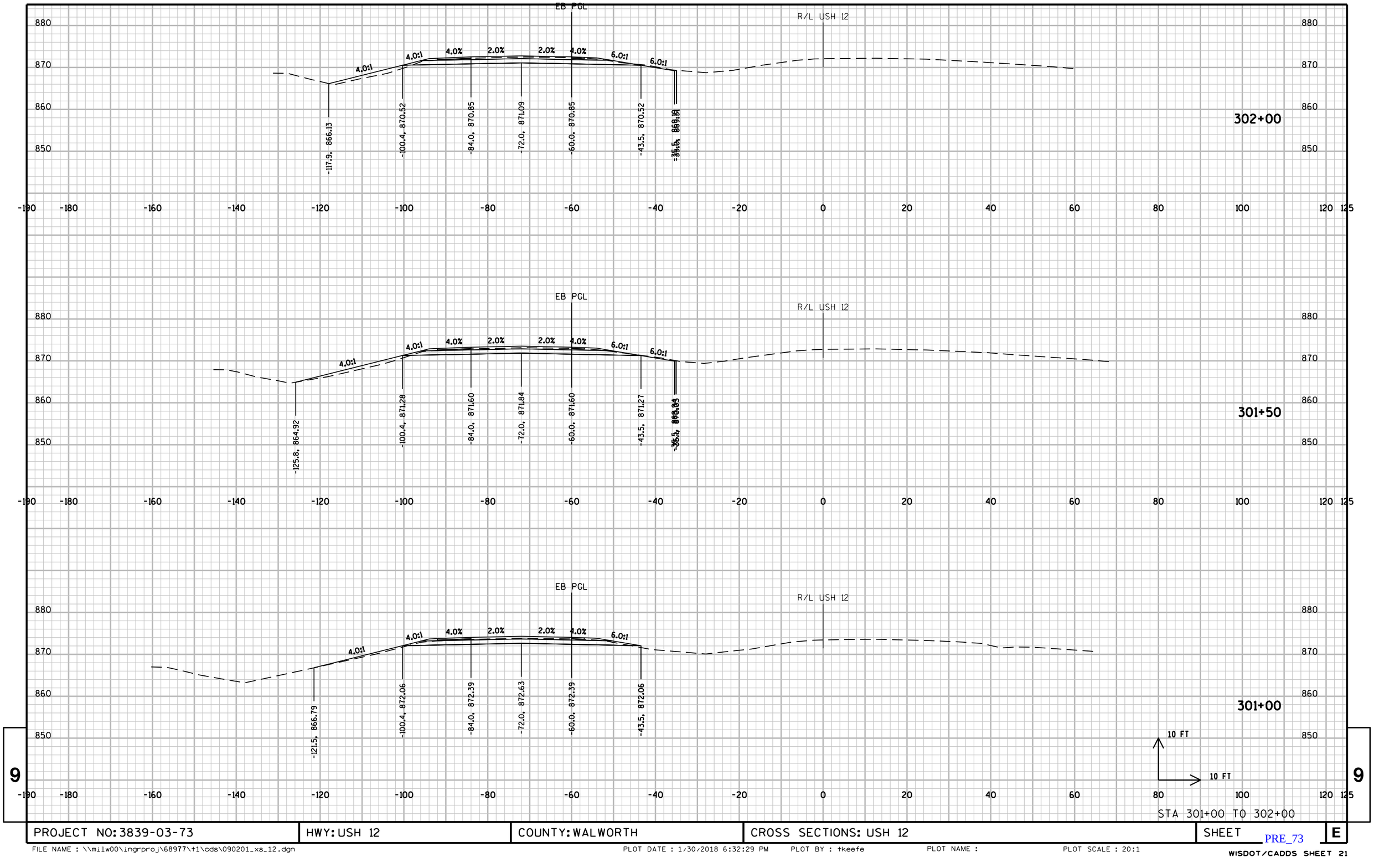
PRE_72

WISDOT/CADDS SHEET 21



STA 301+00 TO 302+00

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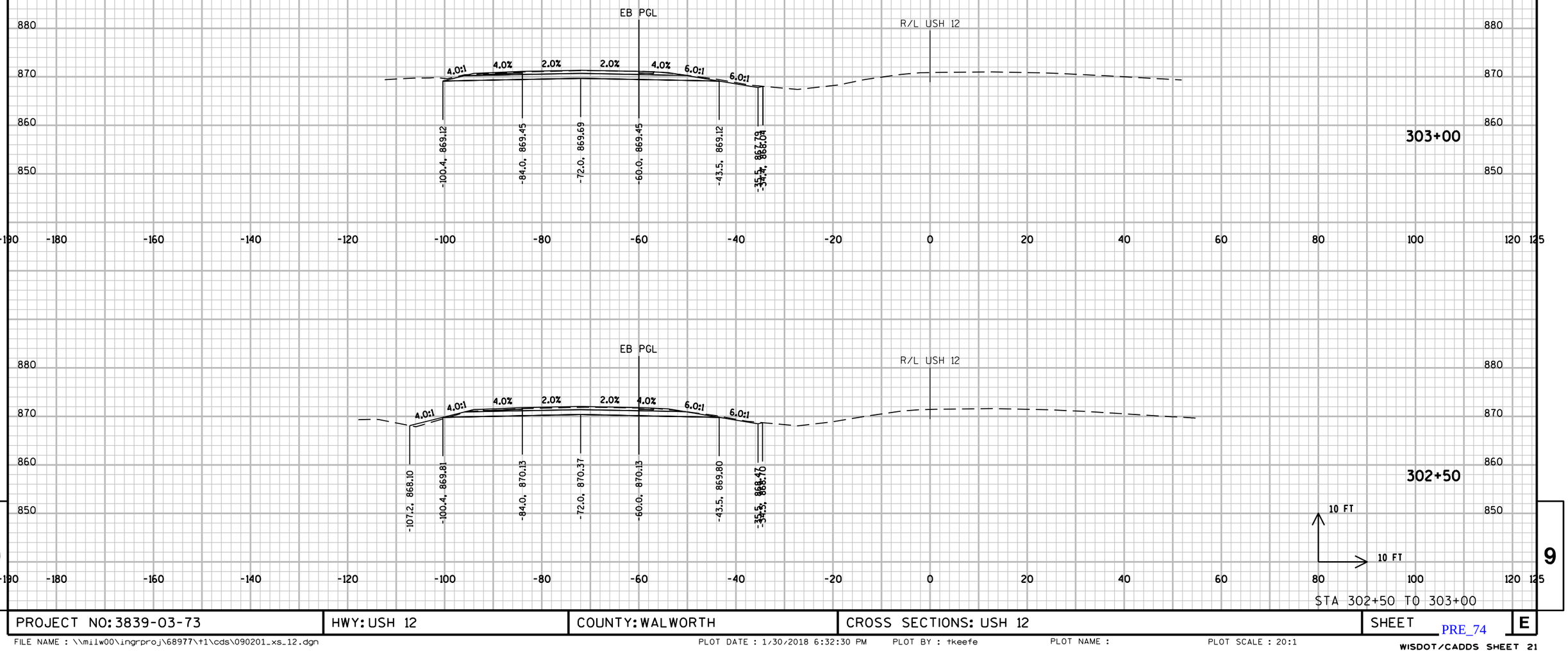
PRE_73

WISDOT/CADDS SHEET 21



PROJECT NO: 3839-03-73	HWY: USH 12	COUNTY: WALWORTH	CROSS SECTIONS: USH 12	SHEET	E

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PRE_74

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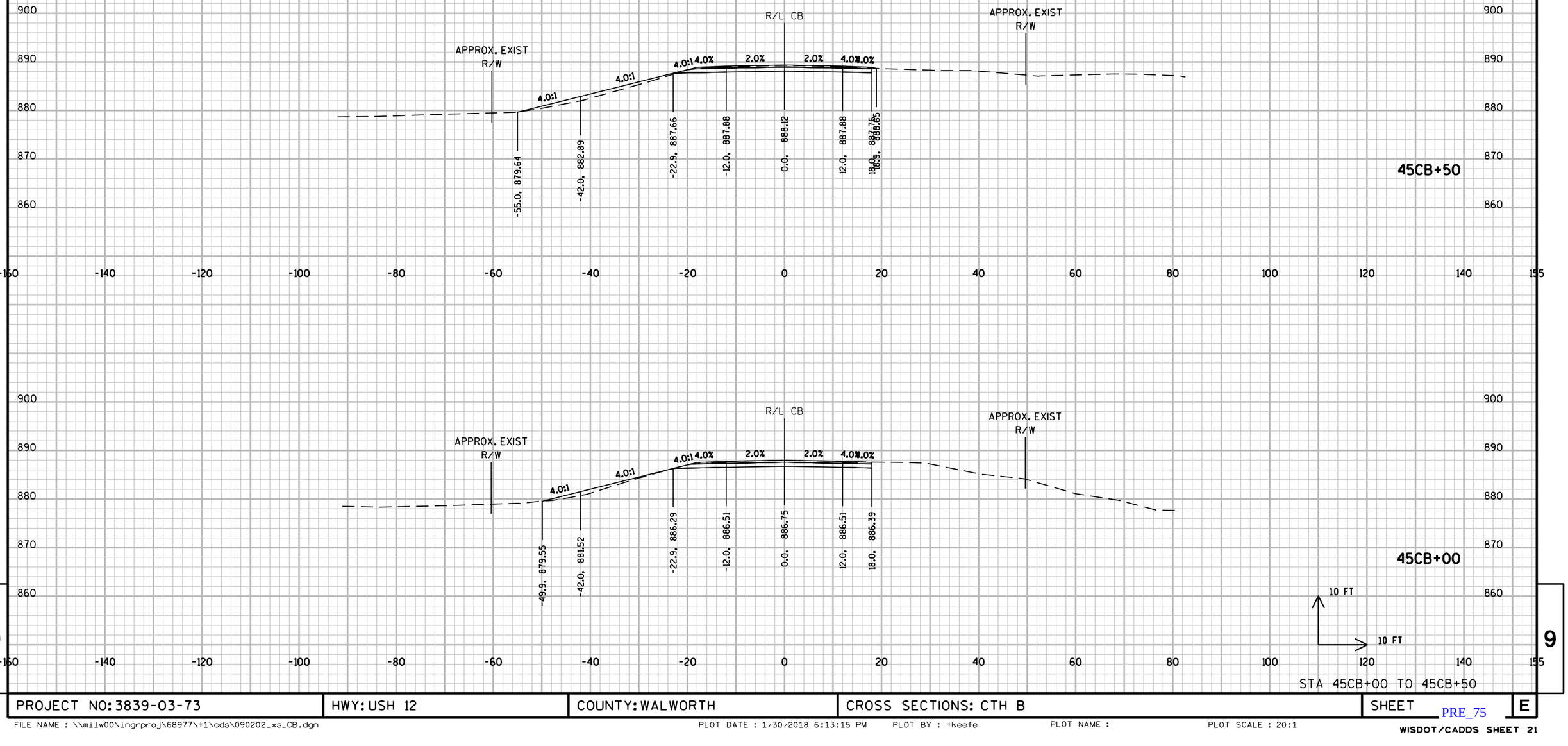

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PROJECT NO: 3839-03-73	HWY: USH 12	COUNTY: WALWORTH	CROSS SECTIONS: CTH B	SHEET	E

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PRE_75

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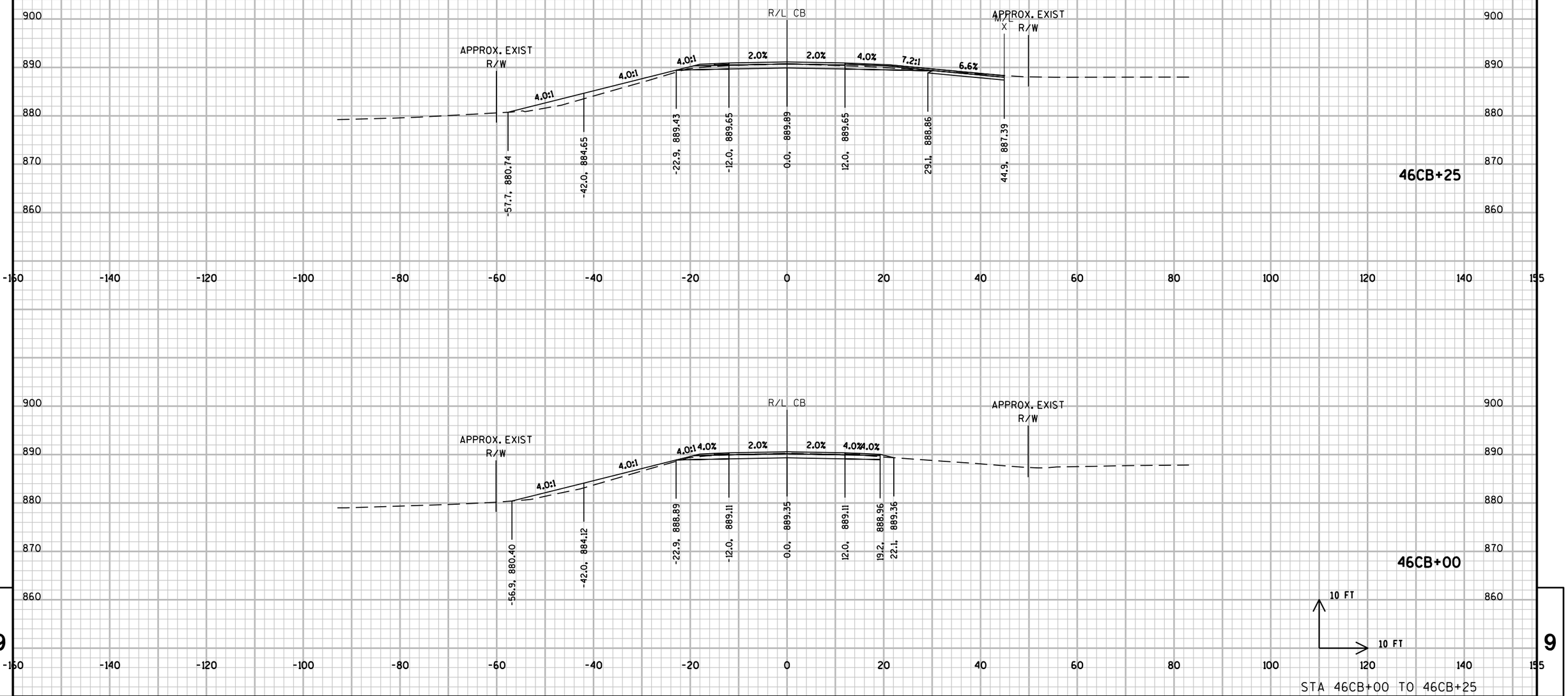

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PROJECT NO: 3839-03-73	HWY: USH 12	COUNTY: WALWORTH	CROSS SECTIONS: CTH B	SHEET	E

PRE_76

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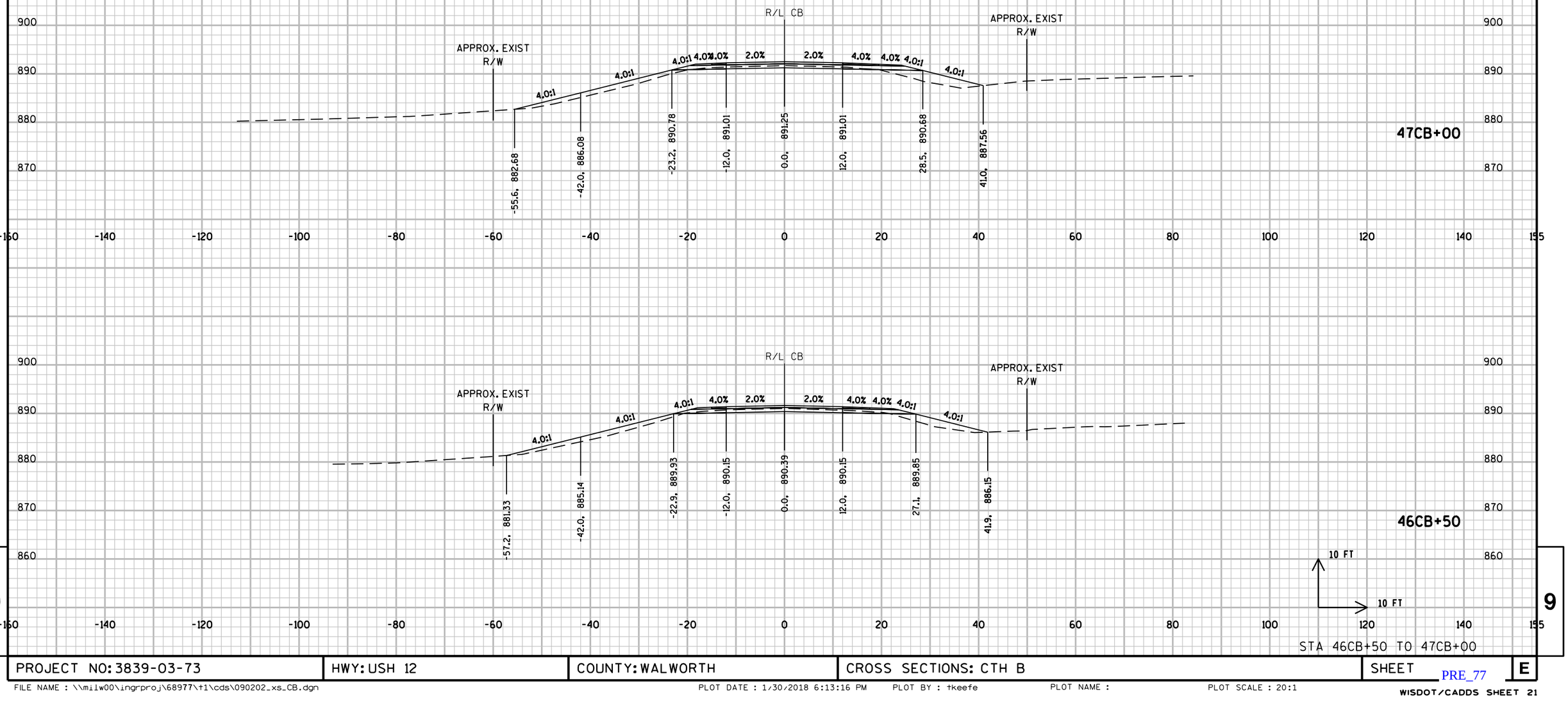
WISDOT/CADDS SHEET 21



STA 46CB+50 TO 47CB+00

PROJECT NO: 3839-03-73	HWY: USH 12	COUNTY: WALWORTH	CROSS SECTIONS: CTH B	SHEET	E

PRE_77

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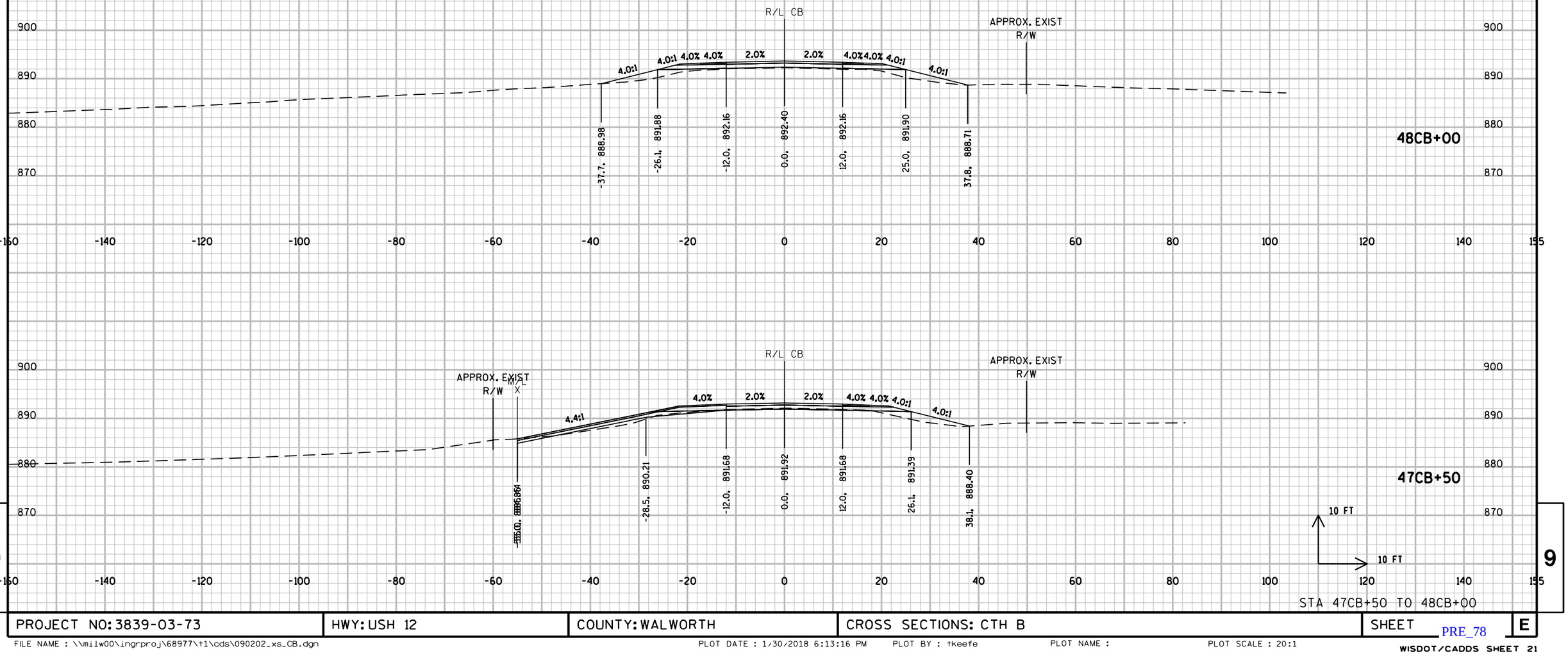
WISDOT/CADDS SHEET 21



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STA 47CB+50 TO 48CB+00

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PRE_78

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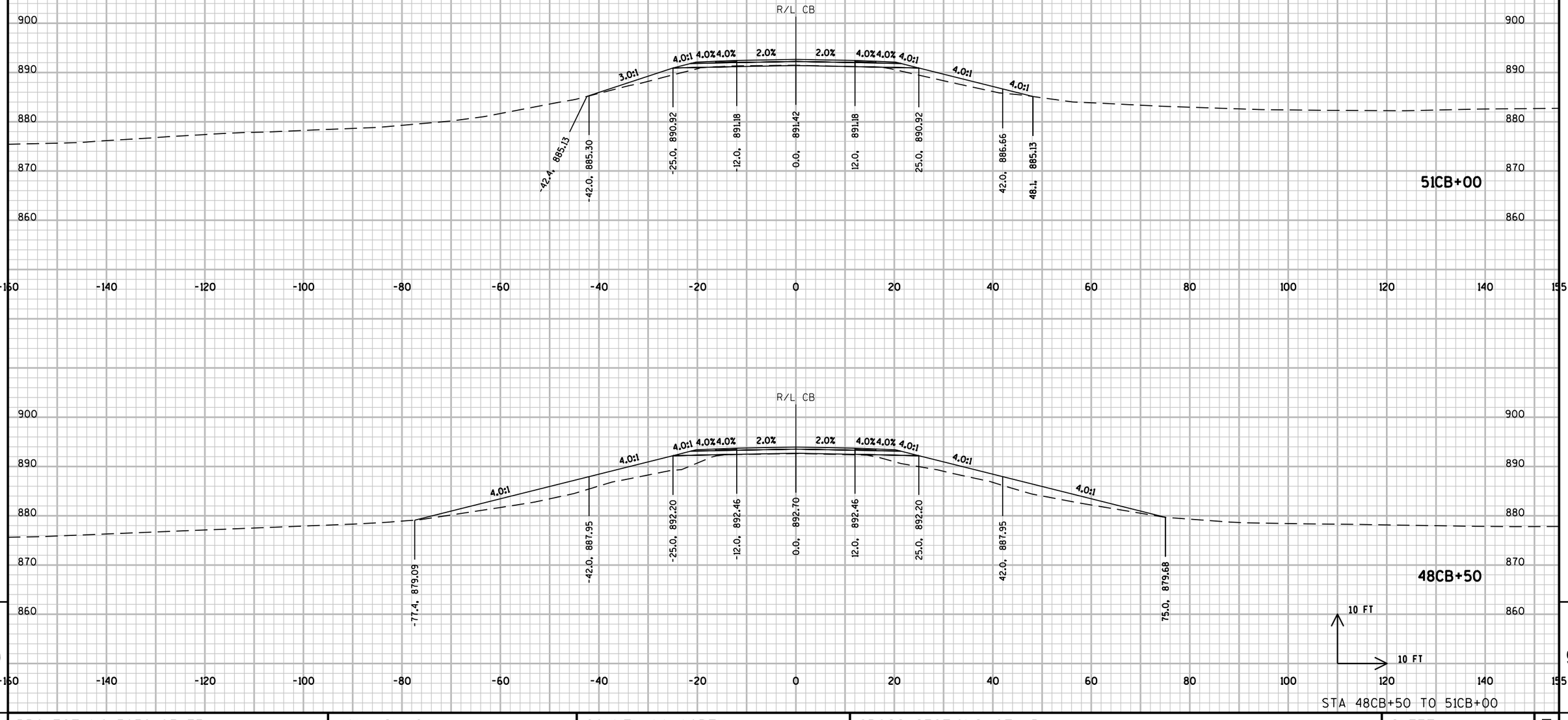
WISDOT/CADDS SHEET 21



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PROJECT NO: 3839-03-73	HWY: USH 12	COUNTY: WALWORTH	CROSS SECTIONS: CTH B	SHEET	E

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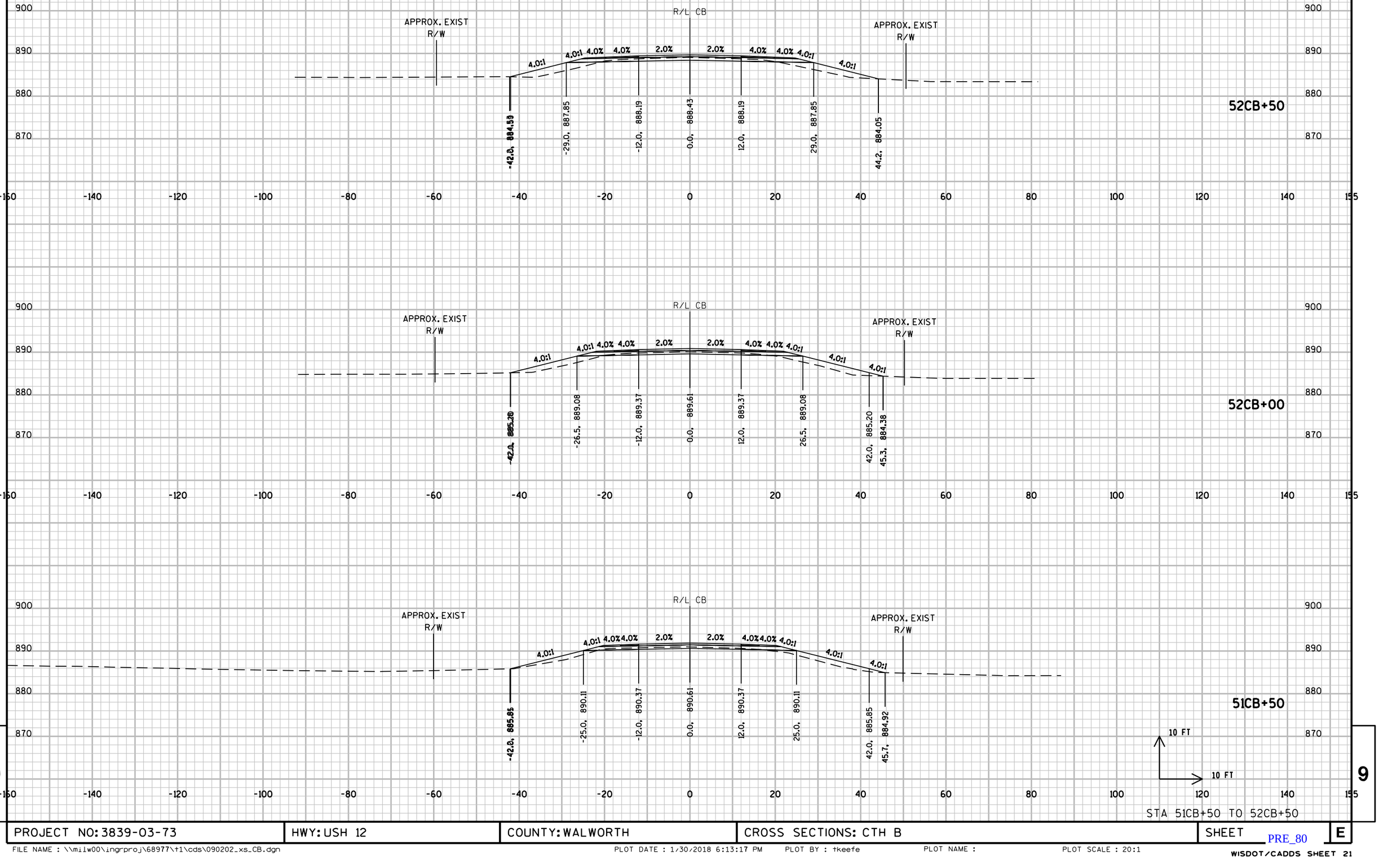
PRE_79

WISDOT/CADDS SHEET 21



STA 51CB+50 TO 52CB+50

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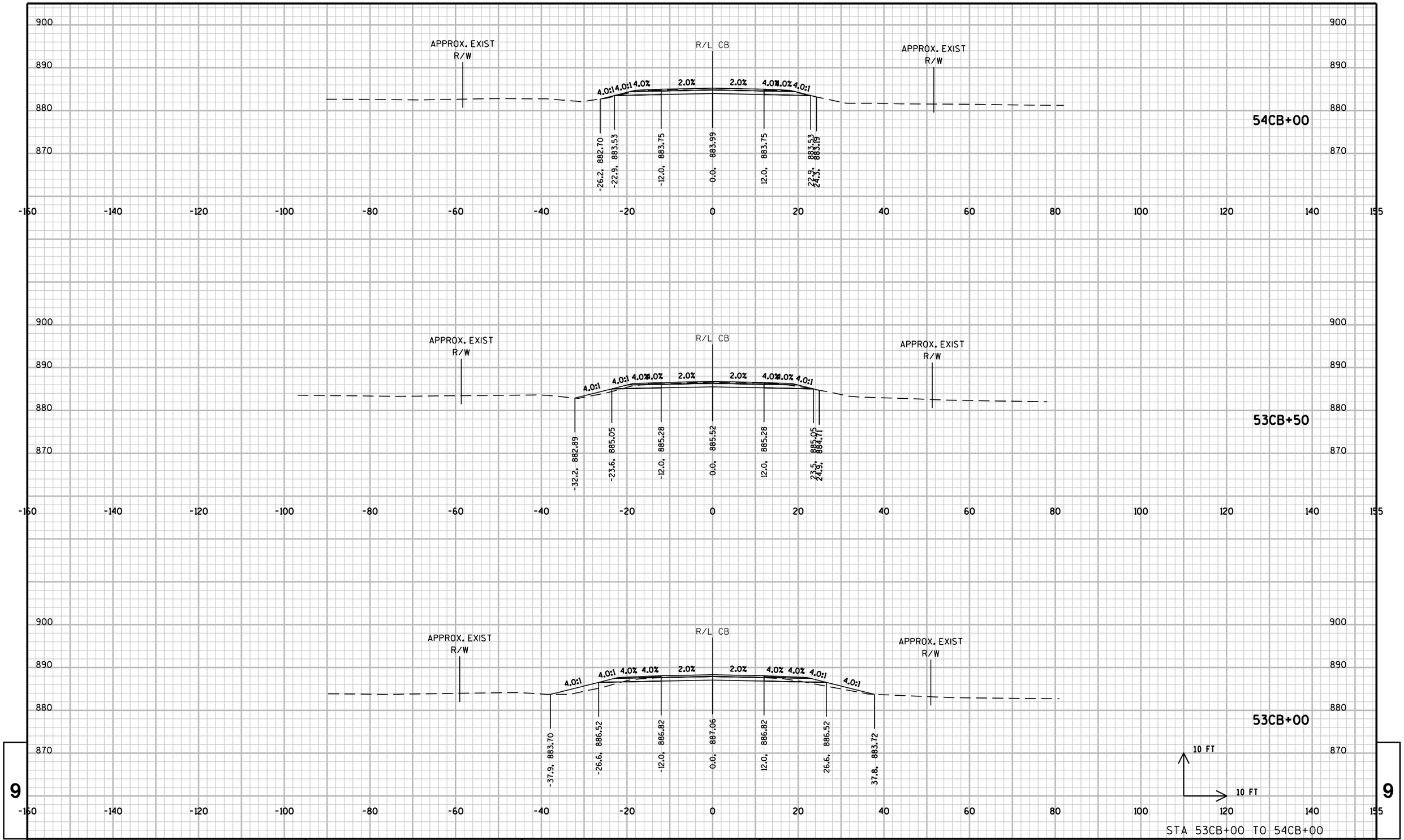

STA 53CB+00 TO 54CB+00

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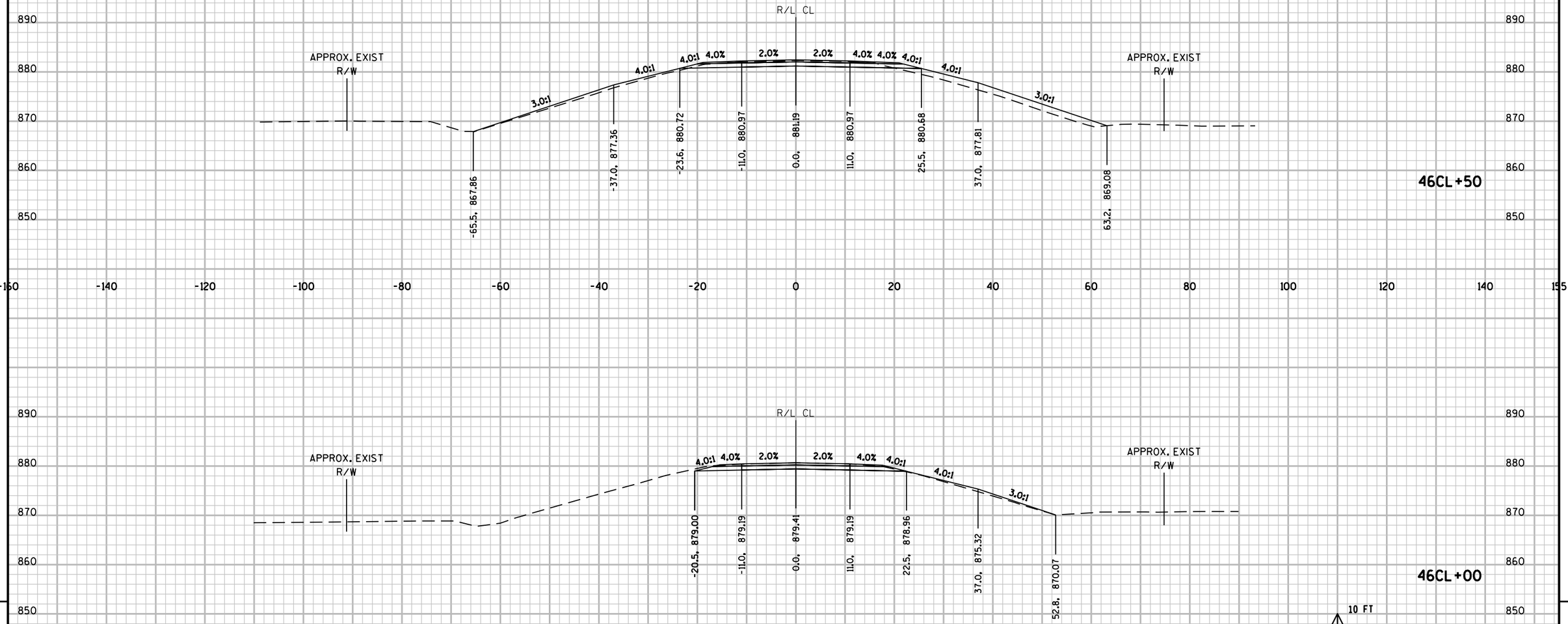
WISDOT/CADDS SHEET 21



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PROJECT NO: 3839-03-73	HWY: USH 12	COUNTY: WALWORTH	CROSS SECTIONS: CLOVER ROAD	SHEET	E

PRE_82

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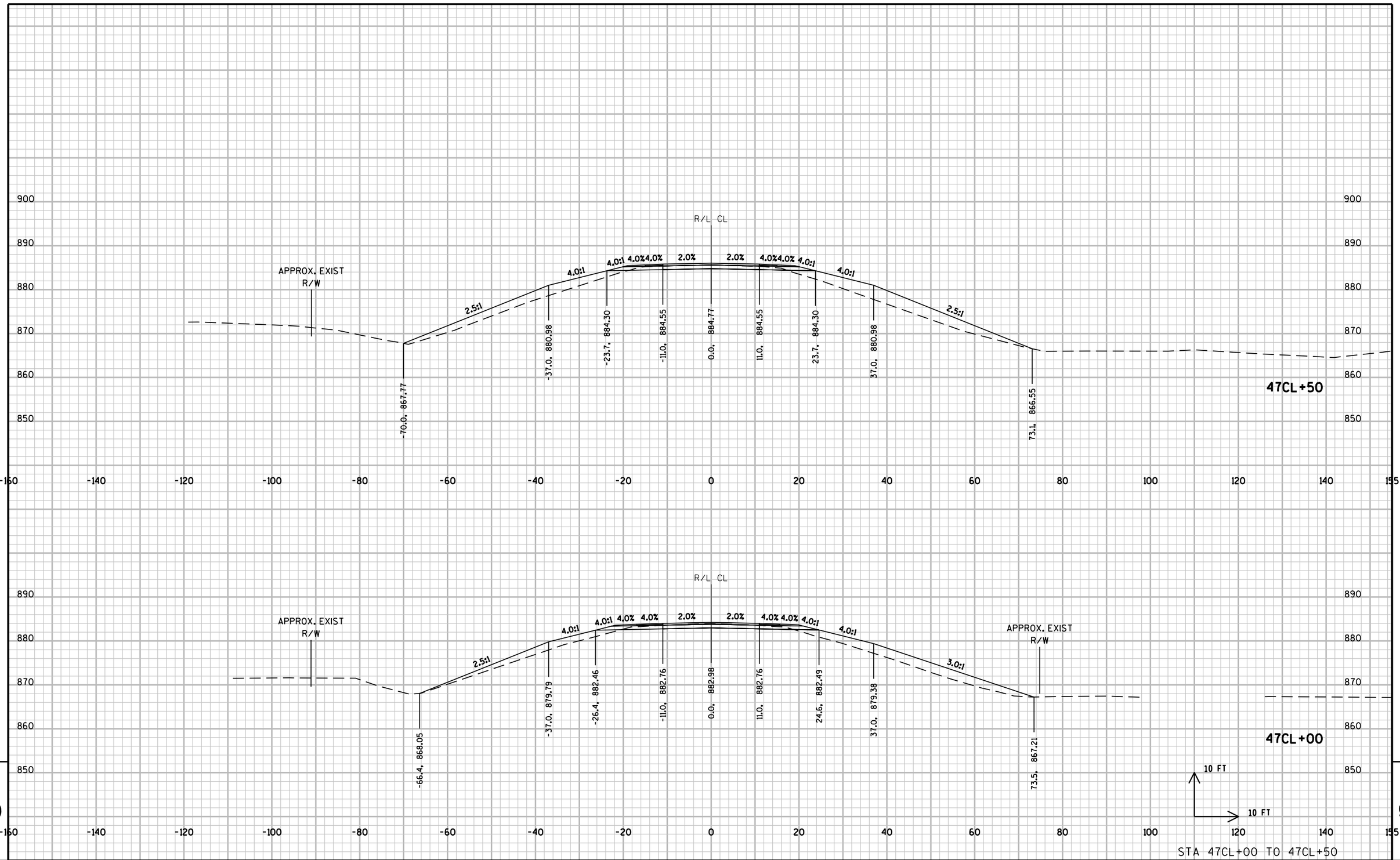

STA 47CL+00 TO 47CL+50

PROJECT NO: 3839-03-73	HWY: USH 12	COUNTY: WALWORTH	CROSS SECTIONS: CLOVER ROAD	SHEET	E

PRE_83

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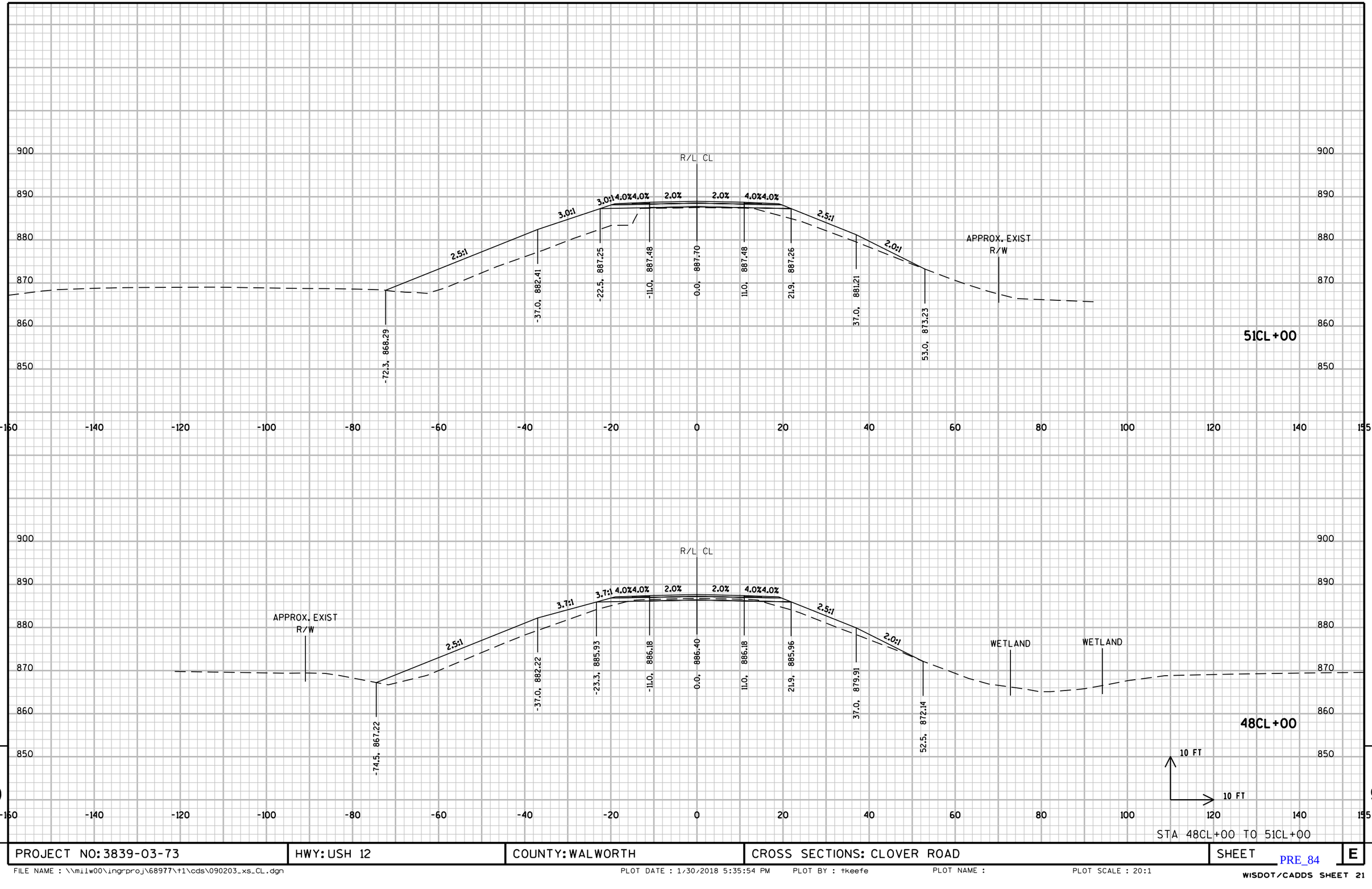
WISDOT/CADDS SHEET 21



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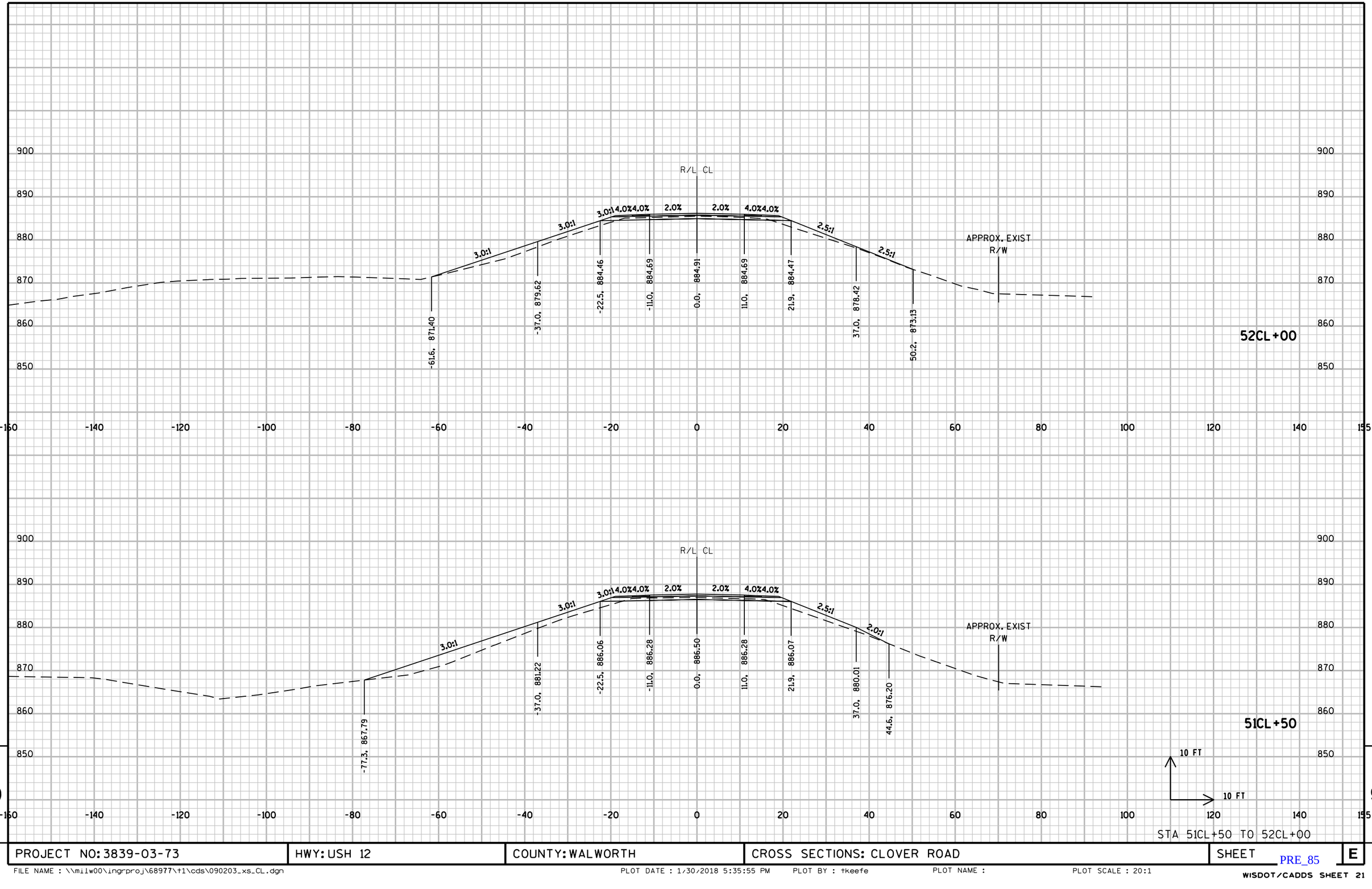
STA 48CL+00 TO 51CL+00

PROJECT NO: 3839-03-73	HWY: USH 12	COUNTY: WALWORTH	CROSS SECTIONS: CLOVER ROAD	SHEET E

PRE_84

FILE NAME : \\milw00\ingrproj\68977\t1\cds\090203_xs_CL.dgn PLOT DATE : 1/30/2018 5:35:54 PM PLOT BY : tkeefe PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



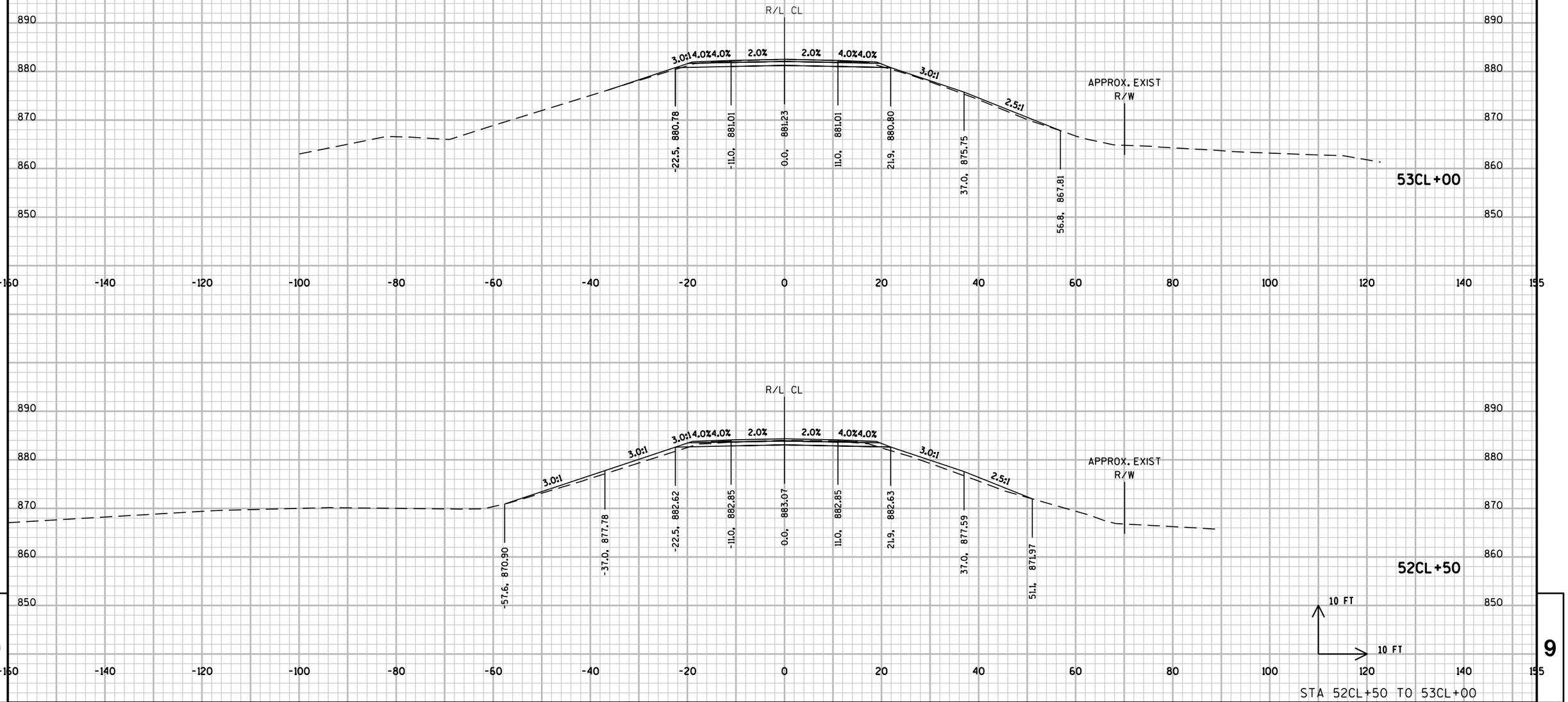
STA 51CL+50 TO 52CL+00

PROJECT NO: 3839-03-73	HWY: USH 12	COUNTY: WALWORTH	CROSS SECTIONS: CLOVER ROAD	SHEET E

PRE_85

FILE NAME : \\milw00\ingrproj\68977\t1\cds\090203_xs_CL.dgn PLOT DATE : 1/30/2018 5:35:55 PM PLOT BY : tkeefe PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



STA 52CL+50 TO 53CL+00

PROJECT NO: 3839-03-73	HWY: USH 12	COUNTY: WALWORTH	CROSS SECTIONS: CLOVER ROAD	SHEET	E

PRE_86

FILE NAME : \\milw00\ingrproj\68977\t1\cds\090203_xs_CL.dgn PLOT DATE : 1/30/2018 5:35:55 PM PLOT BY : tkeefe PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

WISCONSIN DEPARTMENT OF TRANSPORTATION

EPlans Preliminary Sheet Numbering Tool

This sheet: ftp://ftp.dot.state.wi.us/transp/roads/eplans/prelim_sheet_numbers.pdf

Notes

- Acrobat 5 or higher is required to use this tool.
- The Bureau of Highway Construction places sheet numbers in the final plan.
- This sheet is for placing preliminary sheet numbers with a “PRE_" prefix.
- If a plan contains multiple projects, number each plan individually.
- Leave this sheet in the plan.

TO ADD PRELIMINARY SHEET NUMBERS

1. Insert this sheet at the end of the plan

a. With the plan open in Acrobat, select Document > Insert Pages.
b. In the Select File to Insert dialog box, select this file (prelim_sheet_numbers.pdf)
c. In the Insert dialog box, choose After for Location and Last page for Page.
d. Click OK.

2. Click the Place Preliminary Sheet Numbers button

a. Go to the last sheet of the plan.
b. Click the Place Preliminary Sheet Numbers button once.
(The preliminary sheet number appears in the bottom right corner of the sheets.
The number should match te page number in the Acrobat Status bar).

3. Re-Save the PDF

a. Select File > Save As and save the PDF.

Place Preliminary Sheet Numbers

TO REMOVE PRELIMINARY SHEET NUMBERS

Remove