PROJECT ID: 2788-00-71

COUNTY: WAUKESHA

WITH: N/A

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 =

DESIGN DESIGNATION

A.A.D.T. 2017	=	12,100 - 20,900
A.A.D.T. 2037	=	17,300 - 25,000
D.H.V.	=	XXXXX
D.D.	=	59/41
T.	=	8.3%
DESIGN SPEED	=	50 mph
ESALS	=	XXXXX

CONVENTIONAL SYMBOLS

PLAN

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

PROFILE

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

UTILITIES

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

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED IMPROVEMENT

WAUKESHA BYPASS

SUMMIT AVENUE TO GENESEE ROAD

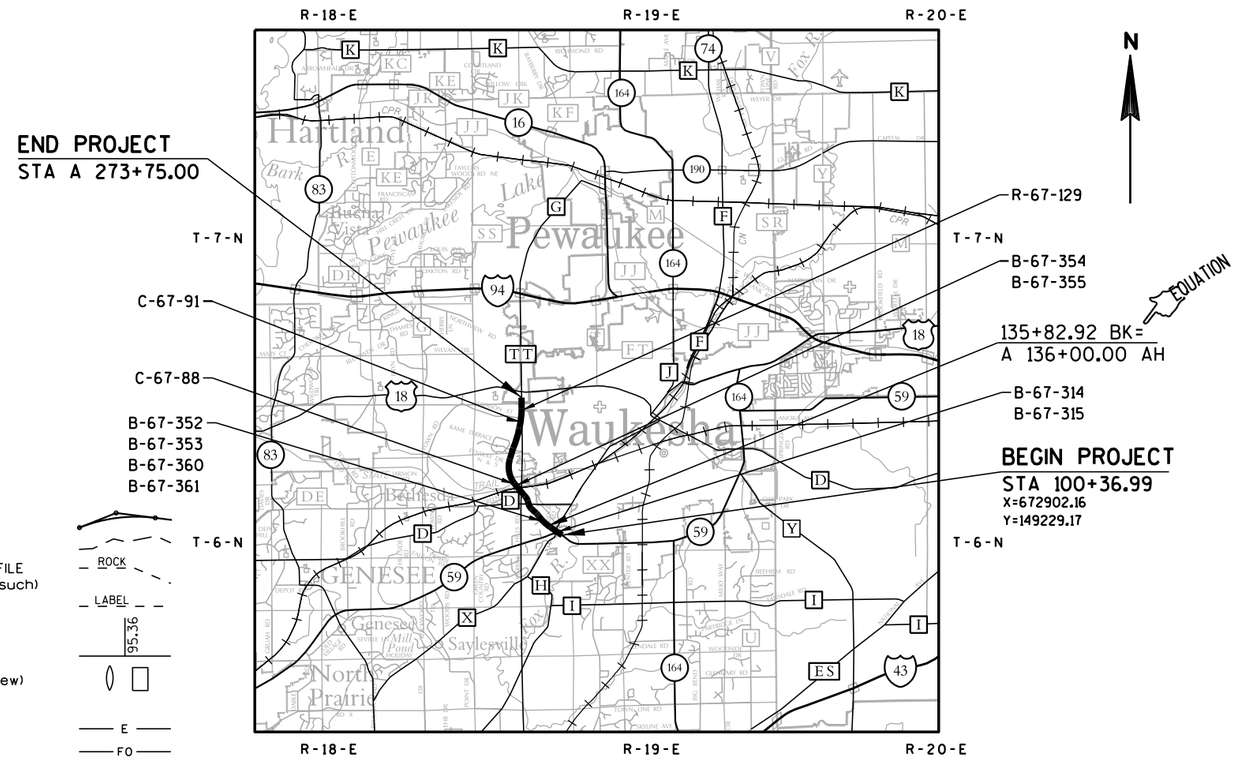
USH 18
WAUKESHA COUNTY

STATE PROJECT NUMBER
2788-00-71

STATE PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
2788-00-71		

APPROVED FOR THE DESIGN OF UTILITY ADJUSTMENTS

APRIL 11, 2016



LAYOUT
SCALE 0 0.75 MI.

TOTAL NET LENGTH OF CENTERLINE = 3.284 MI.

-COORDINATES ON THIS PLAN ARE REFERENCED TO THE WISCONSIN COUNTY COORDINATE SYSTEM (WCCS), WAUKESHA COUNTY NAVD 83 (1991).

-ELEVATIONS SHOWN ON THIS PLAN ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988, NAVD 88 (1991).

ACCEPTED FOR WAUKESHA COUNTY

(Date) (County Engineer)

ORIGINAL PLANS PREPARED BY

BLOOM COMPANIES, LLC
Infrastructure Innovation and Ingenuity

(Date) (Signature)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PREPARED BY

Surveyor	KAPUR & ASSOCIATES
Designer	BLOOM COMPANIES/HNTB
Project Manager	DOUG CAIN
Regional Examiner	
Regional Supervisor	BEN ERUCHALU
C.O. Examiner	

APPROVED FOR THE DEPARTMENT

DATE: (Signature)

PRE_1

E

APPROVED FOR DESIGN OF UTILITY ADJUSTMENTS

GENERAL NOTES

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

ALL HOLES OR OPENINGS BELOW SUBGRADE RESULTING FROM ABANDONMENT OR REMOVAL OF EXISTING STRUCTURES WILL BE FILLED WITH GRANULAR BACKFILL.

CONCRETE DRIVEWAY REMOVAL WILL BE PAID FOR AS REMOVING PAVEMENT.

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

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

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

THE EARTHWORK YARDAGE WAS ESTIMATED BY EXPANDING THE FILL VOLUME. AN EXPANSION FACTOR OF 1.2 WAS USED.

THE LOCATION AND LIMITS OF EBS (EXCAVATION BELOW SUBGRADE), WHERE REQUIRED, WILL BE DETERMINED BY THE ENGINEER. SUCH EBS SHALL NOT BE USED TO BALANCE YARDAGE.

TEMPORARY STORAGE OF ANY EXCAVATED MATERIAL WILL NOT BE PERMITTED IN THE FLOODPLAIN OR WETLAND AREAS.

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

CURB HEIGHTS AT THE END OF CURB AND GUTTER WILL BE TAPERED FROM 0 TO 6 INCHES OVER 10 FEET. CHANGES IN CURB TYPE SHALL TRANSITION OVER 10 FEET.

CURB AND GUTTER ELEVATIONS ARE GIVEN TO THE FLANGE LINE, CURB AND GUTTER RADII ARE MEASURED TO THE FACE OF CURB.

EXPANSION JOINTS ARE TO BE CONSTRUCTED AT ALL RADIUS POINTS IN CURB AND GUTTER ADJACENT TO CONCRETE PAVEMENT.

CURB AND GUTTER JOINT SPACING SHALL BE 20 FEET ALONG TANGENT SECTIONS.

1/2-INCH FELT EXPANSION JOINT MATERIAL IS REQUIRED BETWEEN BACK OF CURB AND FRONT OF WALK OR DRIVEWAY APRON.

EXISTING INLET AND MANHOLE COVERS THAT ARE NOT REQUIRED TO BE REUSED ON THE PROJECT SHALL BECOME THE PROPERTY OF THE RESPECTIVE MUNICIPALITY.

ADJUSTING MANHOLES TO FINAL GRADE SHALL BE COMPLETED AFTER PAVING OF THE LOWER ASPHALTIC PAVEMENT LAYER.

PRIOR TO ORDERING DRAINAGE PIPES AND STRUCTURES, THE CONTRACTOR MUST VERIFY RELATED DRAINAGE INFORMATION IN THE PLAN WITH THE ENGINEER.

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

LOCATION AND ELEVATION OF STORM SEWER STRUCTURES IN CURB AND GUTTER SECTION REFER TO FLOW LINE OF THE CURB AND GUTTER.

LOCATION AND ELEVATION OF STORM SEWER STRUCTURES NOT IN CURB AND GUTTER REFER TO CENTERLINE OF THE COVER.

ALL PRIVATE EXISTING UTILITIES NOT INCLUDED IN THE PLAN ARE TO BE ADJUSTED BY THE UTILITIES CONCERNED. STORM SEWER MANHOLES WILL BE ADJUSTED AND PAID FOR AS A CONTRACT BID ITEM.

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

SALVAGED TOPSOIL SHALL NOT BE PLACED ON SUBGRADE UNTIL APPROVED BY ENGINEER.

DO NOT USE FERTILIZER IN AREAS THAT ARE WITHIN 10 FEET OF WETLANDS OR EXISTING WATERWAYS.

DISTURBED AREAS WITHIN THE RIGHT-OF-WAY SHALL BE RESTORED BY DIRECTION OF THE ENGINEER WITH THE FOLLOWING FINISHING ITEMS: SALVAGED TOPSOIL, SEED, FERTILIZER, AND MULCH. QUANTITIES FOR FINISHING ITEMS INCLUDE RESTORATION EXTENDING 3 FEET BEYOND THE SLOPE.

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 WILL BE PLACED IN SEQUENCE WITH CONSTRUCTION ACTIVITIES AS DETERMINED BY THE ENGINEER.

EROSION CONTROL FEATURES AS SHOWN IN THE PLANS ARE AT SUGGESTED LOCATIONS. EXACT LOCATIONS WILL BE DETERMINED BY THE ENGINEER. REMOVAL OF EROSION CONTROL DEVICES IS INCIDENTAL TO THE COST OF THEIR RESPECTIVE BID ITEMS.

EROSION CONTROL BMP'S ARE AT SUGGESTED LOCATIONS. THE ACTUAL LOCATIONS WILL BE DETERMINED BY THE CONTRACTORS ECIP AND BY 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.

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

SIGN LAYOUTS SHALL BE IN ACCORDANCE WITH THE FEDERAL HIGHWAY ADMINISTRATION MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).

MUNICIPAL OWNED STREET SIGNS WILL BE REMOVED, STORED AND REINSTALLED BY THE MUNICIPALITY.

SIGNS TO BE MOVED WILL BE STORED AND PROTECTED BY THE CONTRACTOR, FREE FROM DAMAGE, UNTIL SUCH TIME AS THEY ARE REINSTALLED.

LIGHTING AT SIGNALIZED INTERSECTIONS IS SHOWN ON TRAFFIC SIGNAL SHEETS.

LIGHTING AT UNSIGNALIZED INTERSECTIONS IS SHOWN ON PLAN AND PROFILE SHEETS.

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

A CONVERSION FACTOR OF 2.1 TONS/CY WAS USED TO ESTIMATE QUANTITIES FOR BASE AGGREGATE DENSE 3/4-INCH, 2.0 TONS/CY FOR BASE AGGREGATE DENSE 1 1/4-INCH AND 1.9 TONS/CY FOR SELECT CRUSHED MATERIAL.

A CONVERSION FACOTR OF 110 LB/SY/IN WAS USED TO ESTIMATE QUANTITES FOR HMA PAVEMENT.

STANDARD ABBREVIATIONS

ADT	AVERAGE DAILY TRAFFIC
AE, AEW	APRON ENDWALL
BC	BACK OF CURB
BIT	EXISTING BITUMINOUS
CMCP	CORRUGATED METAL CULVERT PIPE
CMP	CORRUGATED METAL PIPE
CONST	CONSTRUCTION
ESMT	EASEMENT
FC	FACE OF CURB
FHWA	FEDERAL HIGHWAY
G	GAS
HE	HORIZONTAL ELLIPTICAL
HP	HIGH POINT
K	RATE OF VERTICAL CURVATURE
LP	LOW POINT
MAX	MAXIMUM
MGAL	1000 GALLONS
MIN	MINIMUM
PASS	PIPE ARCH SMOOTH STEEL
PGL	PROFILE GRADE LINE
SAN	SANITARY
VLV	VALVE

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

TOTAL LAYER PAVEMENT THICKNESS	LAYERS	NOMINAL MAXIMUM AGGREGATE GRADATIONS	TRAFFIC	ASPHALT BINDER AND DESIGNATION LEVEL
4.0”	1.75” UPPER	4	MT	58-28 S
	2.25” LOWER	3	MT	58-28 S
5.0”	2.25” UPPER	4	MT	58-28 S
	2.75” LOWER	3	MT	58-28 S
5.5”			MT	58-28 S
			MT	58-28 S

ORDER OF SECTION 2 DETAIL SHEETS

GENERAL NOTES
PROJECT OVERVIEW
TYPICAL SECTIONS
CONSTRUCTION DETAILS
STORM SEWER PLANS
TRAFFIC SIGNAL PLANS
TRAFFIC CONTROL PLANS
ALIGNMENT PLANS

APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS

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128 W. SUNSET AVE.
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www.DiggersHotline.com

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APPROVED FOR DESIGN OF UTILITY ADJUSTMENTS

FILE NAME: \\KAPUR-1\S-Drive\Wauk_Co\CO_Gov\100075 Waukesha Bypass Study\DGN\Plansheets\020101_GN.PPT
ORIGINATOR: LISA FLYNN
ORIG. DATE: DECEMBER 12, 2005
PLOTTED DATE: 4/11/2016 2:56 PM

2

BEGIN CONSTRUCTION
STA 7+50.00

CTH X

SAYLESVILLE RD

STH 59
GENESEE RD

10+00

35+00

BEGIN CONSTRUCTION
STA 34+11.03

R/L GENESEE RD

R/L SAYLESVILLE RD

40+00

45+00

STH 59/CTH X
GENESEE RD

R/L WAUKESHA BYPASS

WAUKESHA BYPASS

STH 59
LES PAUL PKWY

100+00

105+00

110+00

115+00

120+00

125+00

130+00

135+00

A 145+00

A 150+00

A 160+00

B-67-352 NB
B-67-353 SB
LAND BRIDGES

B-67-360 NB
B-67-361 SB
LAND BRIDGES

BEGIN PROJECT
STA 100+36.99
X=672902.16
Y=149229.17

B-67-314

PEBBLE CREEK

B-67-315

R/L GENESEE RD

35+00

60+00

STH 59/CTH X
GENESEE RD

END CONSTRUCTION
STA 61+80.00

135+82.92 BK=
A 136+00.00 AH

EQUATION

BEGIN CONSTRUCTION
STA 41+14.05

R/L SUNSET DR

45+00

CTH D
SUNSET DR

55+00

60+00

END CONSTRUCTION
STA 64+00.00

CTH D
SUNSET DR

65+00

70+00

PEBBLE CREEK

APPROVED FOR DESIGN
OF UTILITY ADJUSTMENT(S)

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PROJECT OVERVIEW	SHEET	E

PRE_4

FILE NAME : F:\BM1-3324 USH 18 Bypass\5_Design\03_Roads\cds\by_020201_po.dgn PLOT DATE : 11-APR-2016 12:59 PLOT BY : torner PLOT NAME : PLOT SCALE : 400:1

2

N

GREEN LN

GLACIAL DRUMLIN TRAIL

PEBBLE CREEK

WAUKESHA BYPASS

R/L WAUKESHA BYPASS

A 185+00

A 190+00

A 195+00

A 200+00

A 205+00

A 210+00

A 215+00

A 220+00

A 180+00

A 170+00

A 165+00

R/L MACARTHUR RD

55+00

BEGIN CONSTRUCTION
STA 43+58.09

60+00

62+50

70+00

75+00

MERRILL HILLS RD

80+00

85+00

90+00

92+25

R/L KAME TER

45+00

KAME TERRACE

BEGIN CONSTRUCTION
STA 48+35.00

MERRILL HILLS RD

R/L GREEN LN

45+00

B-67-354 NB
B-67-355 SB

END CONSTRUCTION
STA 57+50.00

C-67-88

WI & SOUTHERN RR

MACARTHUR RD

WAUKESHA BYPASS

WAUKESHA BYPASS

APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PROJECT OVERVIEW	SHEET	E

PRE_5

2

N

BEGIN CONSTRUCTION
STA 48+53.50

R/L MERRILL HILLS CT

45+00

A 240+00

WAUKESHA BYPASS

R/L WAUKESHA BYPASS

C-67-91

PEBBLE CREEK TRIBUTARY

A 245+00

A 250+00

BEGIN CONSTRUCTION
STA 48+00.00

45+00

A 260+00

A 265+00

A 270+00

R/L MADISON ST

R-67-129

R/L KISDON HILL DR

END CONSTRUCTION
STA 53+97.00

55+00

END CONSTRUCTION
STA 53+75.00

55+00

55+00

MADISON ST

KISDON HILL DR

END PROJECT
STA 273+75.00

FIDDLERS CREEK DR

SUMMIT AVE

A 280+00

A 285+00

A 290+00

A 295+

WAUKESHA BYPASS

PEBBLE CREEK

SUMMIT AVE

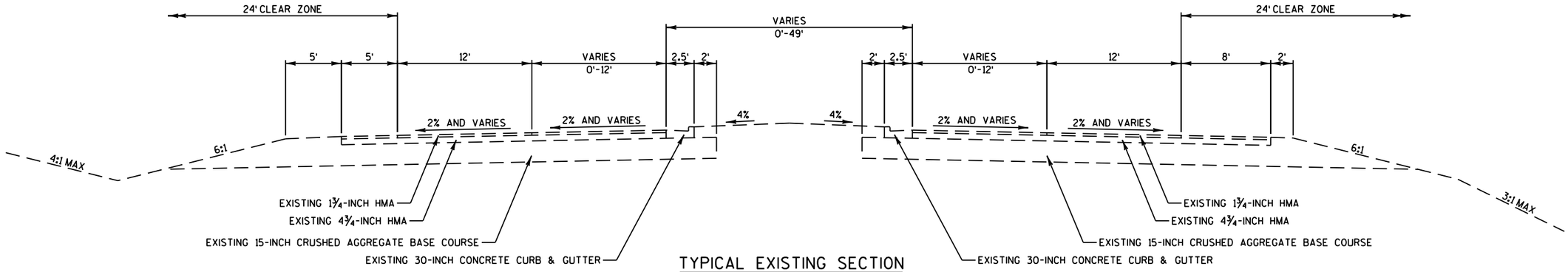
APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PROJECT OVERVIEW	SHEET	E

PRE_6

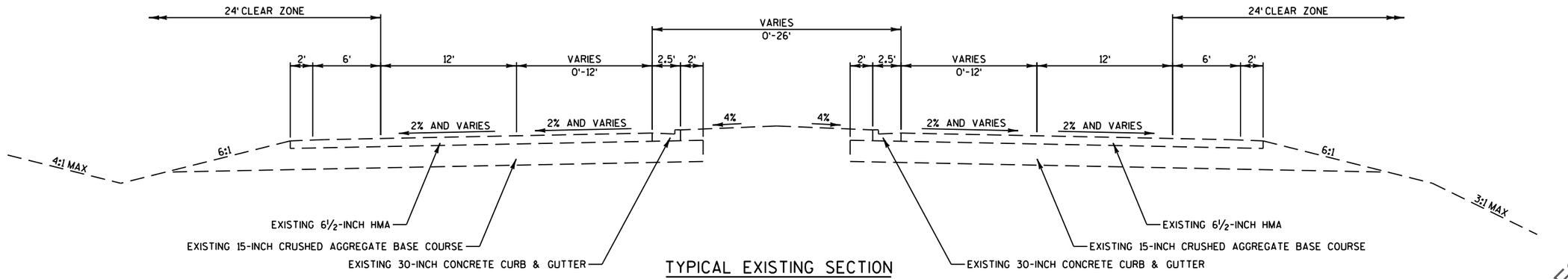
FILE NAME : F:\BM1-3324 USH 18 Bypass\5_Design\03_Roads\cds\by_020203_po.dgn PLOT DATE : 11-APR-2016 12:59 PLOT BY : torner PLOT NAME : PLOT SCALE : 400:1

WISDOT/CADDS SHEET 42



TYPICAL EXISTING SECTION

STH 59/LES PAUL PKWY (WAUKESHA BYPASS)
STA 100+37 TO STA 111+00
STH 59/GENESEE RD
STA 34+11 TO STA 50+00



TYPICAL EXISTING SECTION

CTH X/SAYLESVILLE RD
STA 7+50 TO STA 20+00
CTH X/GENESEE RD
STA 50+00 TO STA 61+80

APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS

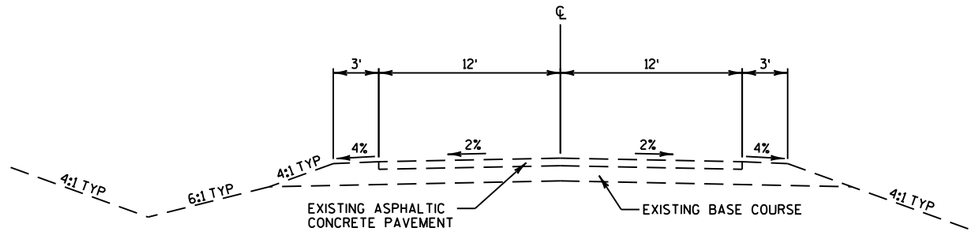
PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	TYPICAL EXISTING SECTIONS	SHEET	E

PRE_7

FILE NAME : \\milw00\ingrproj\59971\t1\cds\020301_ts.dgn PLOT DATE : 3/7/2016 2:08:20 PM PLOT BY : dbaumann PLOT NAME : PLOT SCALE : 10:1

WISDOT/CADDS SHEET 42

2



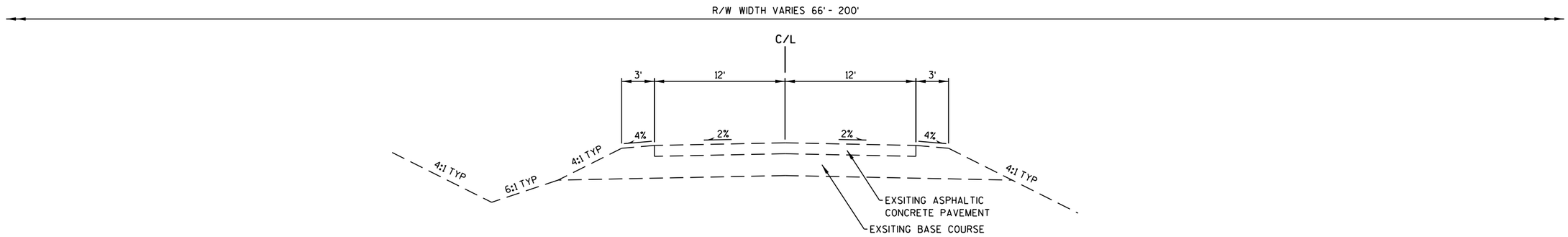
TYPICAL EXISTING SECTION

CTH D/SUNSET DR
STA 41+97 TO STA 63+00

APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	TYPICAL EXISTING SECTIONS	SHEET	E

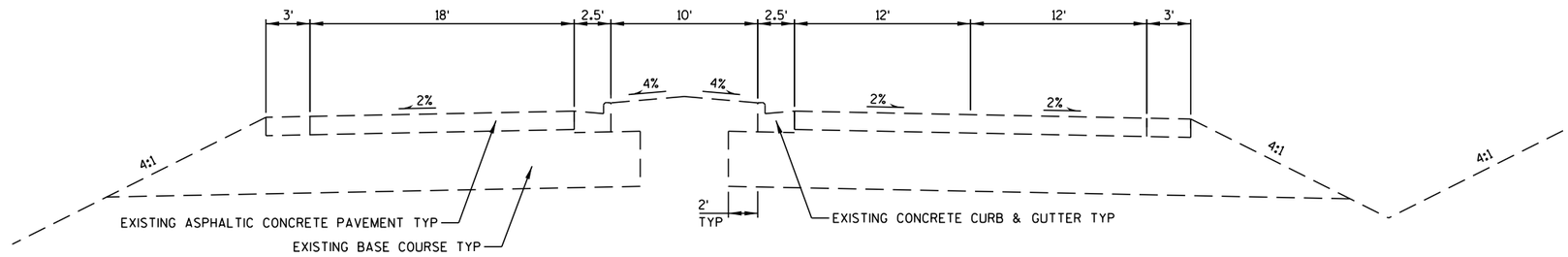
FILE NAME : \\milw00\ingrproj\59971\t1\cds\020301_ts.dgn PLOT DATE : 3/7/2016 2:08:20 PM PLOT BY : dbaumann PLOT NAME : PLOT SCALE : 10:1
WISDOT/CADDS SHEET 42



TYPICAL EXISTING SECTION

CTH TT/MERRIL HILLS ROAD

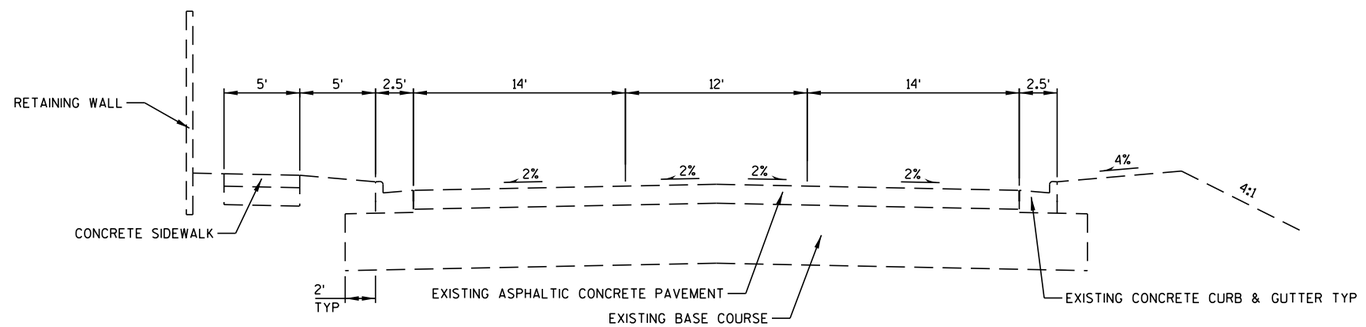
STA 173+00 TO STA 273+75



TYPICAL EXISTING SECTION

KAME TERRACE

STA 48+35 TO STA 49+45



TYPICAL EXISTING SECTION

MADISON STREET

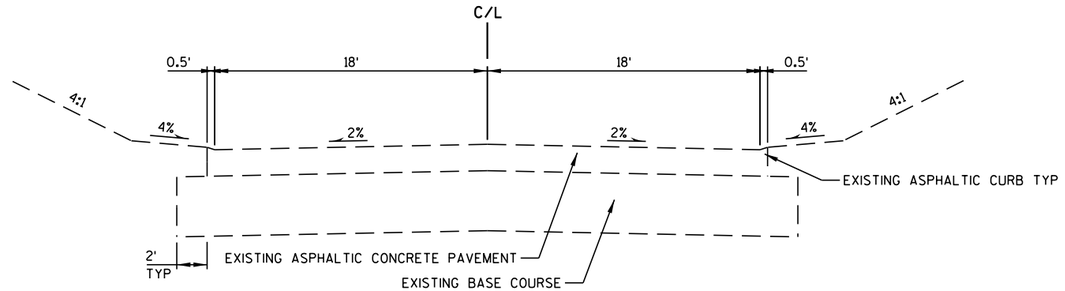
STA 48+00 TO STA 50+50

APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	TYPICAL EXISTING SECTIONS	SHEET	E

PRE_9

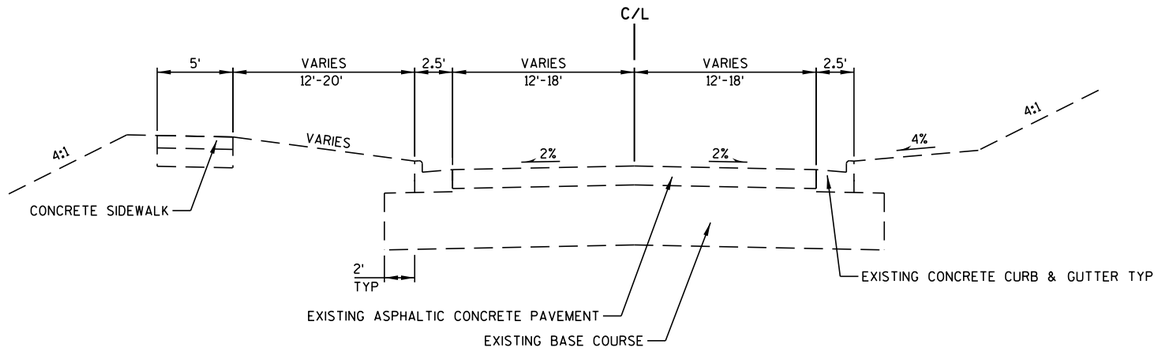
2



TYPICAL EXISTING SECTION

MADISON STREET

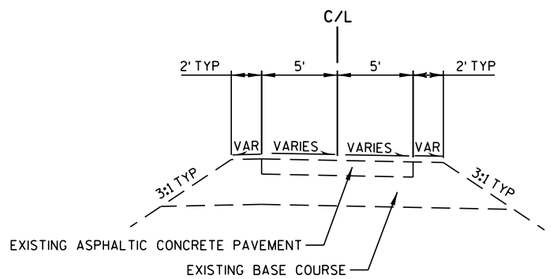
STA 50+50 TO STA 53+97



TYPICAL EXISTING SECTION

KISDON HILL DRIVE

STA 50+50 TO STA 53+75



TYPICAL EXISTING SECTION

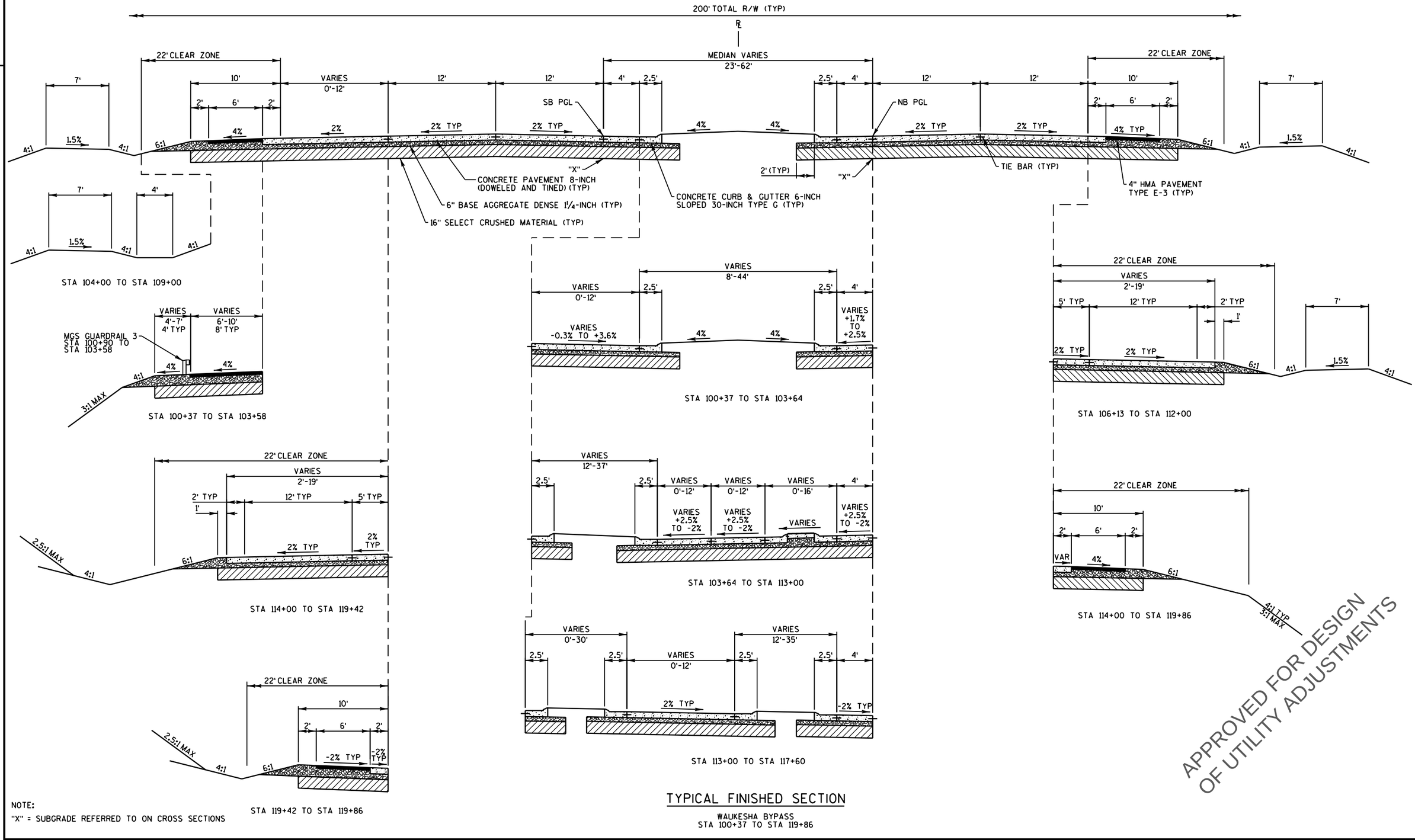
GLACIAL DRUMLIN TRAIL

STA 45+80 TO STA 54+71

APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	TYPICAL EXISTING SECTIONS	SHEET	E

PRE_10



NOTE:
"X" = SUBGRADE REFERRED TO ON CROSS SECTIONS

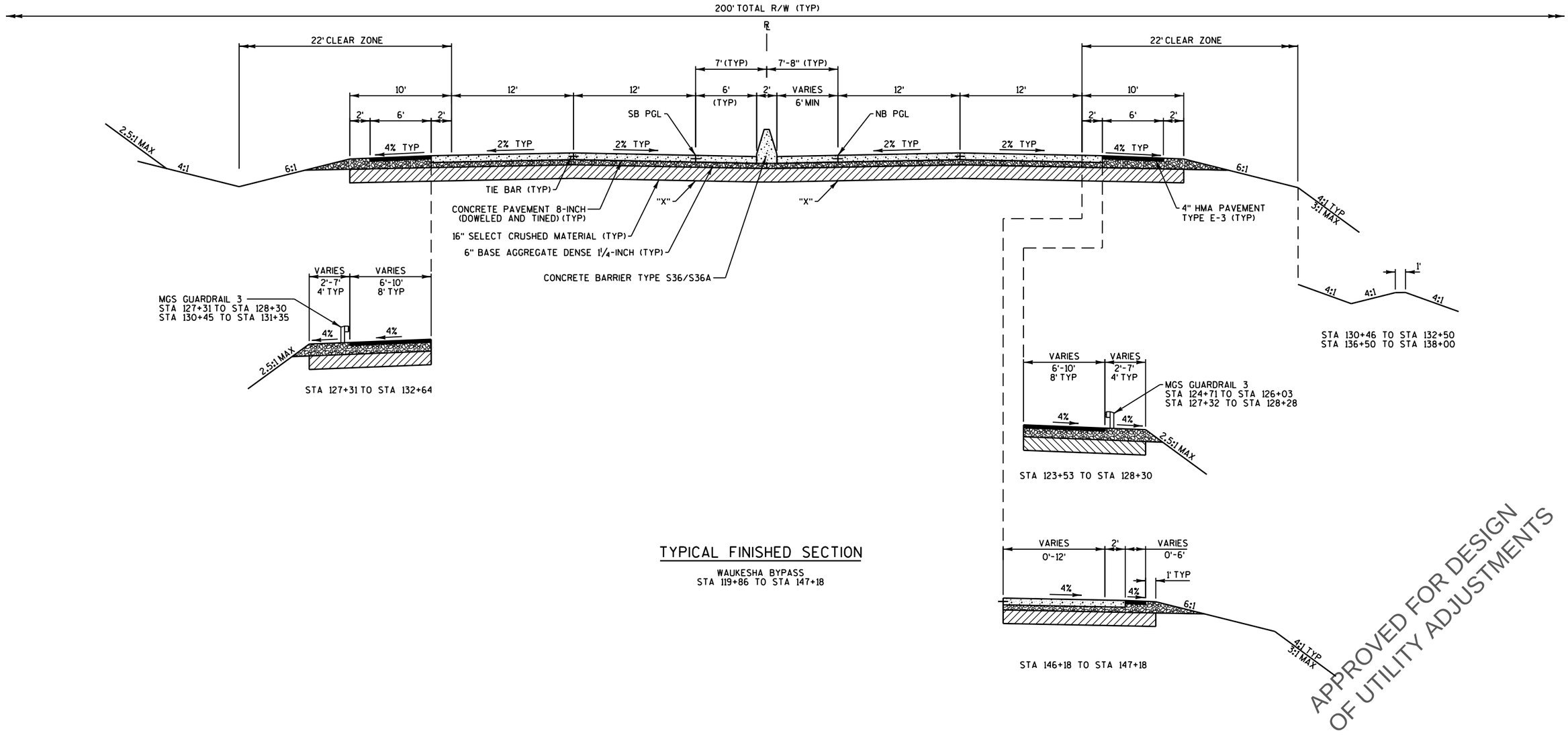
TYPICAL FINISHED SECTION

WAUKESHA BYPASS
STA 100+37 TO STA 119+86

APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	TYPICAL FINISHED SECTIONS	SHEET	E

FILE NAME : \\milw00\ingrproj\59971\t1\cds\020401_ts.dgn PLOT DATE : 3/7/2016 2:08:36 PM PLOT BY : dbaumann PLOT NAME : PLOT SCALE : 10:1
WISDOT/CADDS SHEET 42



TYPICAL FINISHED SECTION

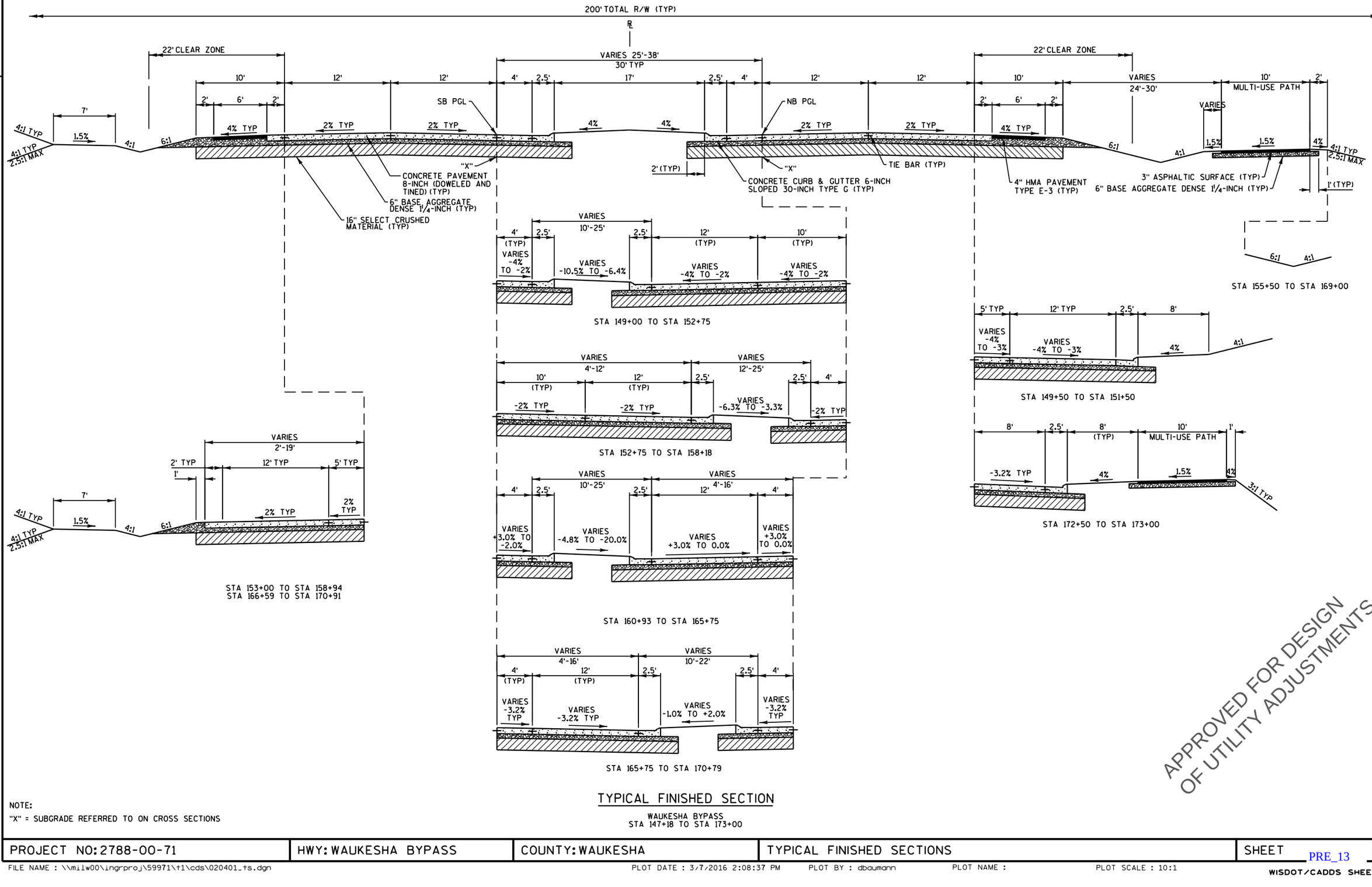
WAUKESHA BYPASS
STA 119+86 TO STA 147+18

APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS

NOTE:
"X" = SUBGRADE REFERRED TO ON CROSS SECTIONS

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	TYPICAL FINISHED SECTIONS	SHEET E

PRE_12



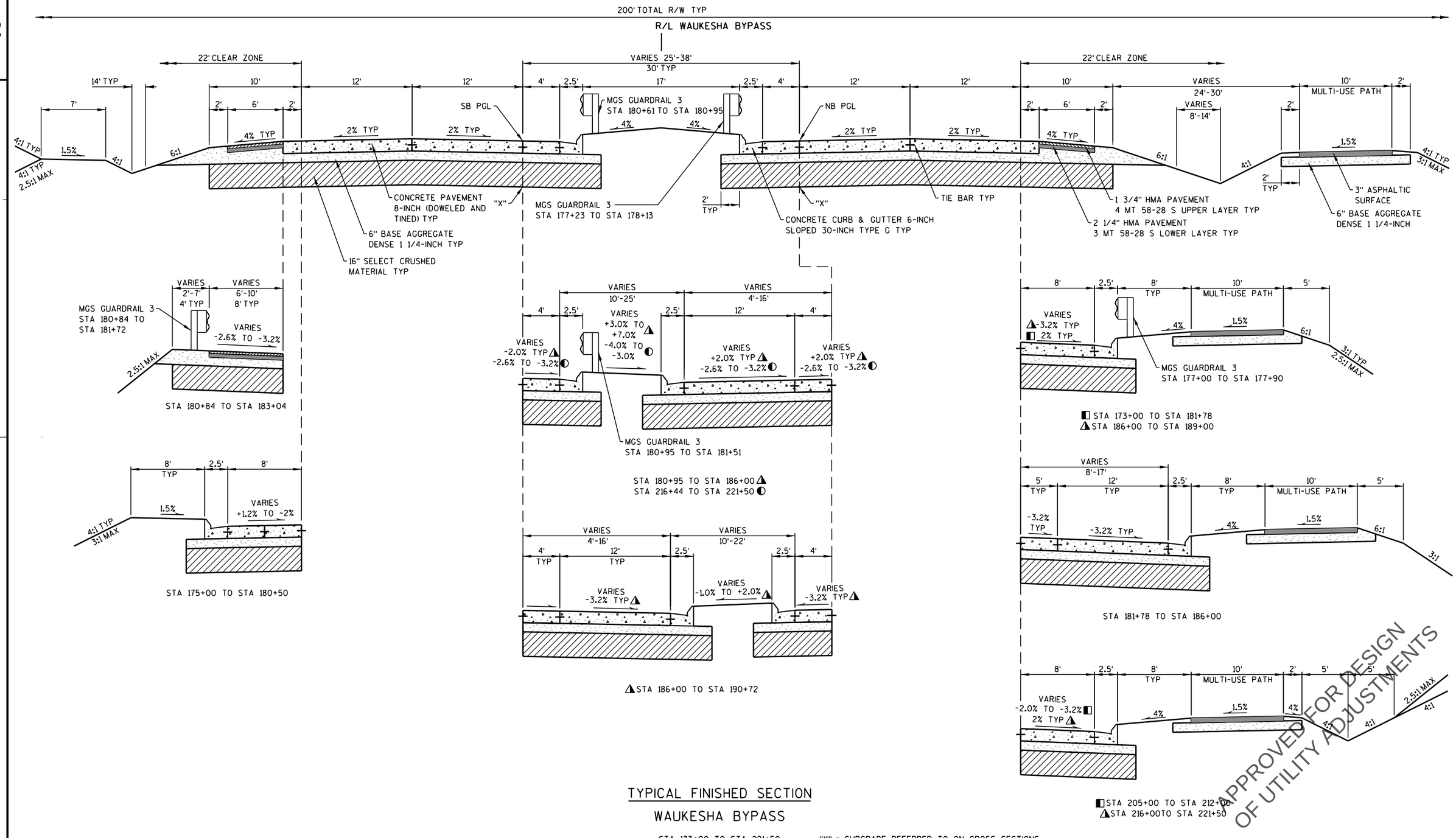
NOTE:
"X" = SUBGRADE REFERRED TO ON CROSS SECTIONS

TYPICAL FINISHED SECTION

WAUKESHA BYPASS
STA 147+18 TO STA 173+00

APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	TYPICAL FINISHED SECTIONS	SHEET E



TYPICAL FINISHED SECTION

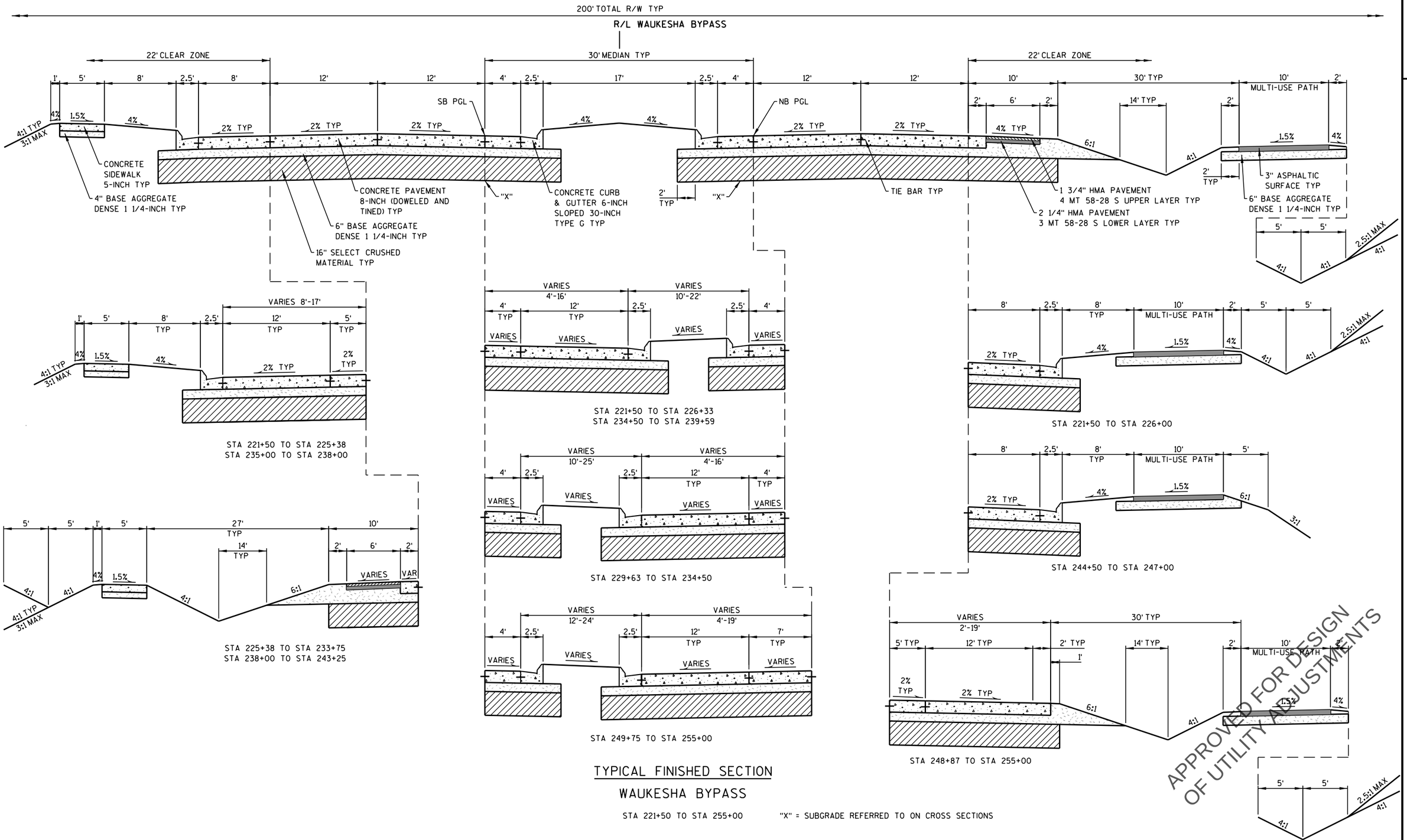
WAUKESHA BYPASS

STA 173+00 TO STA 221+50

"X" = SUBGRADE REFERRED TO ON CROSS SECTIONS

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	TYPICAL FINISHED SECTIONS	SHEET E

PRE_14

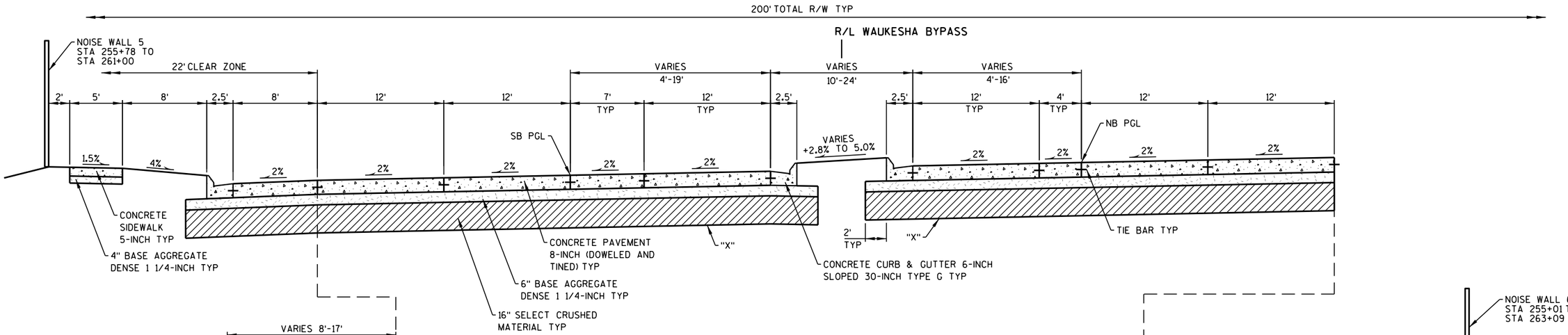


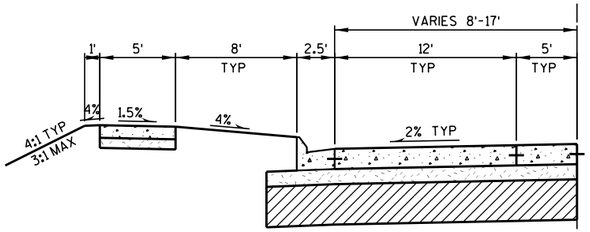
TYPICAL FINISHED SECTION

WAUKESHA BYPASS

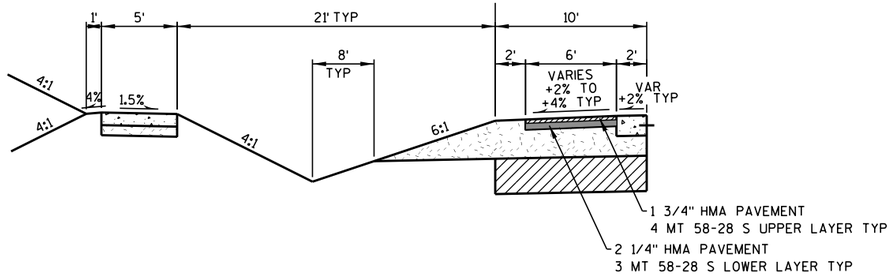
STA 221+50 TO STA 255+00 "X" = SUBGRADE REFERRED TO ON CROSS SECTIONS

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	TYPICAL FINISHED SECTIONS	SHEET E

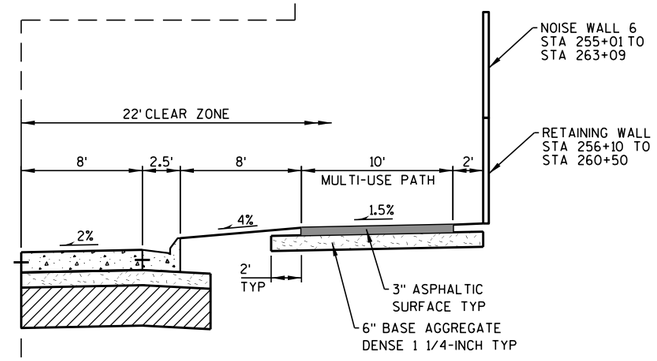


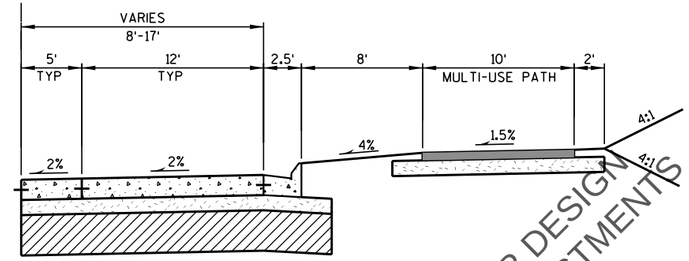


STA 255+00 TO STA 259+37



STA 259+37 TO STA 261+00





STA 259+56 TO STA 261+00

APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS

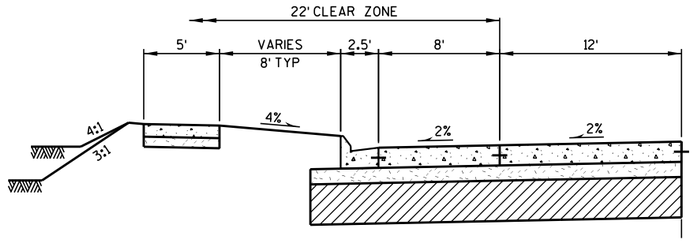
TYPICAL FINISHED SECTION

WAUKESHA BYPASS

STA 255+00 TO STA 261+00 "X" = SUBGRADE REFERRED TO ON CROSS SECTIONS

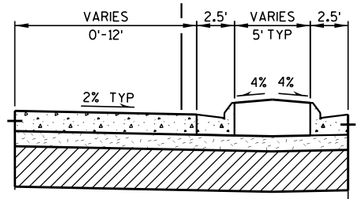
PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	TYPICAL FINISHED SECTIONS	SHEET E

PRE_16



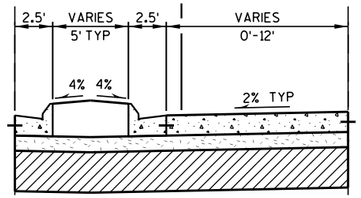
STA 266+87 TO STA 270+50
GRADING ONLY

R/L WAUKESHA BYPASS

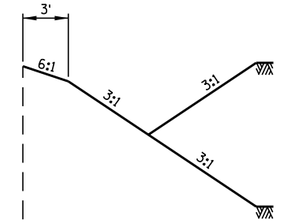


SB LEFT TURN LANE DETAIL
STA 264+04 TO STA 268+75
GRADING ONLY

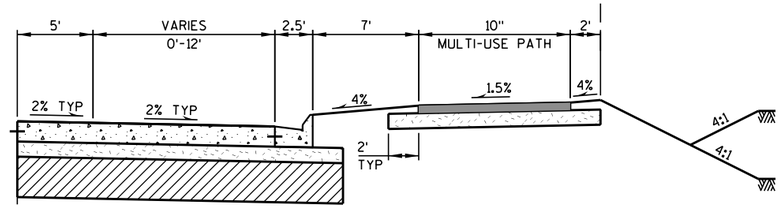
R/L WAUKESHA BYPASS



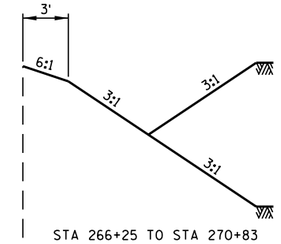
NB LEFT TURN LANE DETAIL
STA 261+00 TO STA 263+19
STA 269+33 TO STA 273+75
GRADING ONLY



STA 270+83 TO STA 273+75
GRADING ONLY



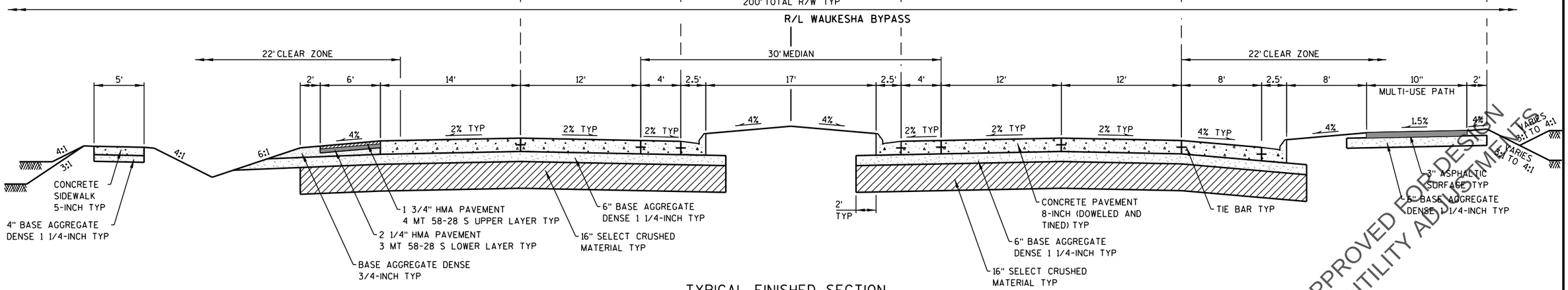
RIGHT TURN LANE DETAIL
STA 261+00 TO STA 262+99
STA 270+83 TO STA 273+75
GRADING ONLY



STA 266+25 TO STA 270+83
GRADING ONLY

200' TOTAL R/W TYP

R/L WAUKESHA BYPASS



TYPICAL FINISHED SECTION

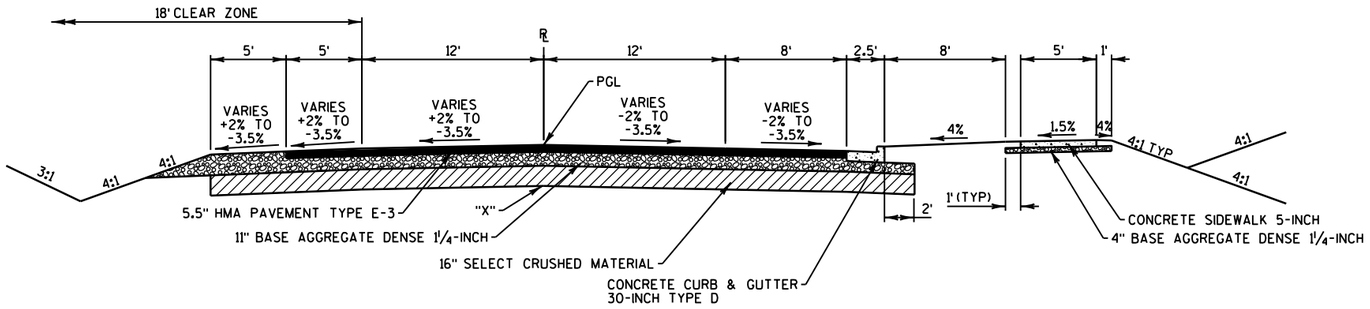
WAUKESHA BYPASS

STA 261+00 TO STA 273+75 "X" = SUBGRADE REFERRED TO ON CROSS SECTIONS

APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS

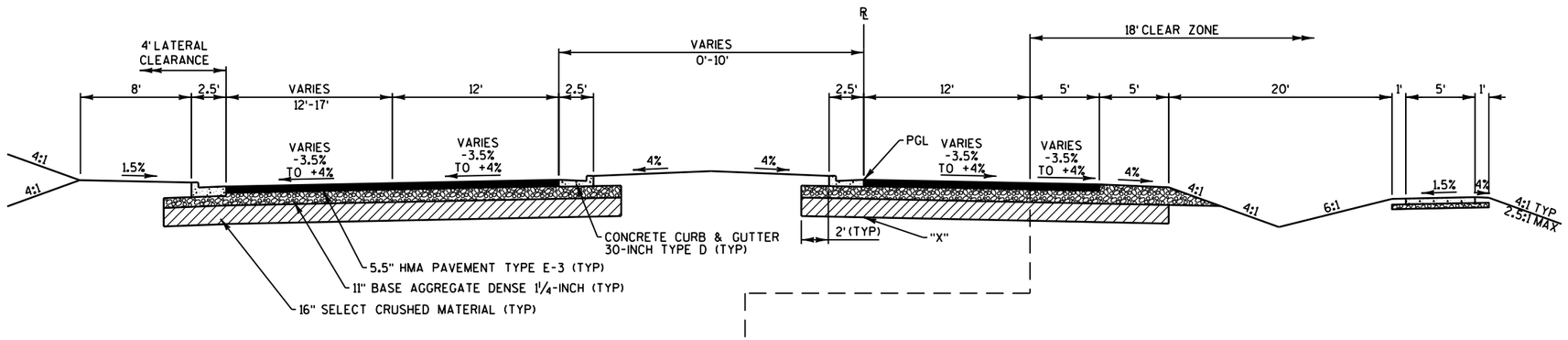
PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	TYPICAL FINISHED SECTIONS	SHEET E

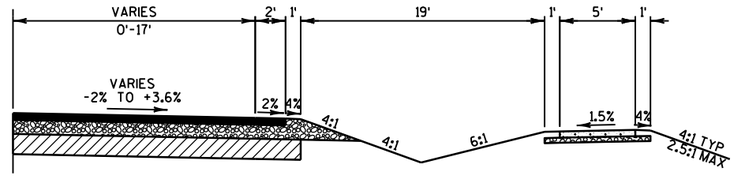
PRE_17



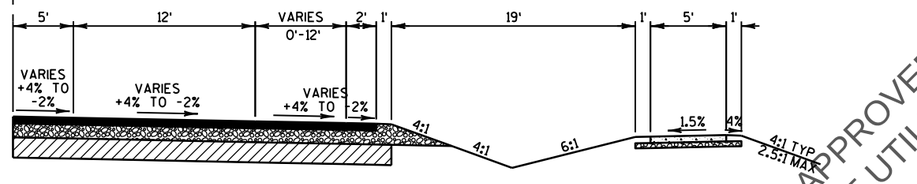
TYPICAL FINISHED SECTION

SAYLESVILLE RD
STA 7+50 TO STA 10+50





STA 11+84 TO STA 13+94



STA 13+94 TO STA 19+37

TYPICAL FINISHED SECTION

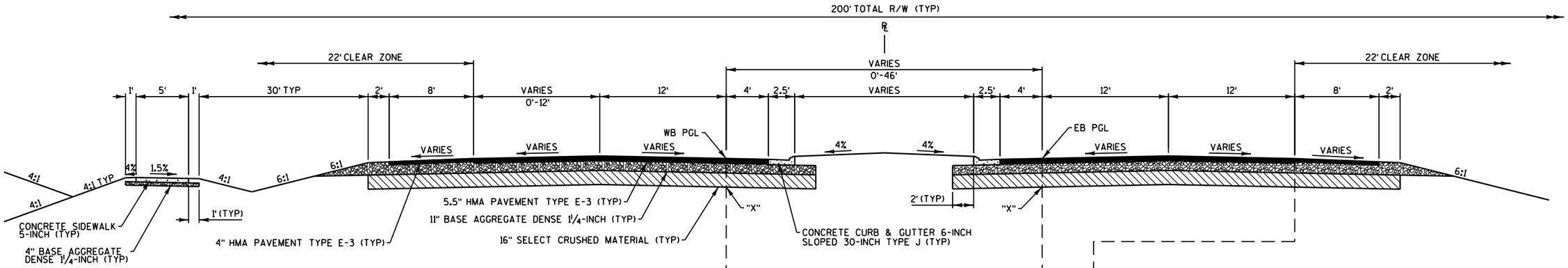
SAYLESVILLE RD
STA 10+50 TO STA 19+37

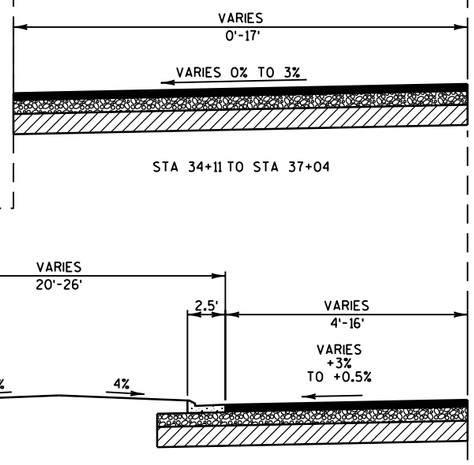
NOTE:
"X" = SUBGRADE REFERRED TO ON CROSS SECTIONS

APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS

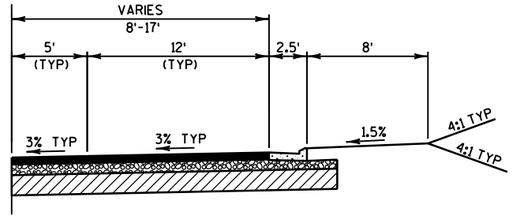
PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	TYPICAL FINISHED SECTIONS	SHEET E

FILE NAME : \\milw00\ingrproj\59971\t1\cds\020401_ts.dgn PLOT DATE : 3/16/2016 3:36:08 PM PLOT BY : dbaumann PLOT NAME : PLOT SCALE : 10:1
WISDOT/CADDS SHEET 42

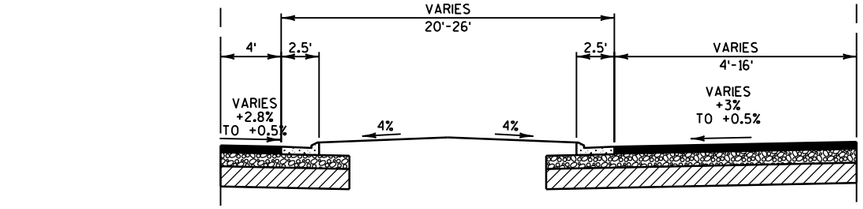




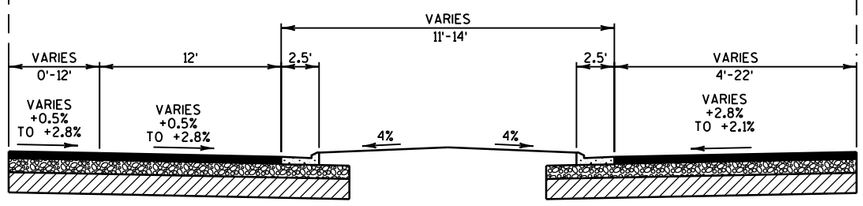
STA 34+11 TO STA 37+04



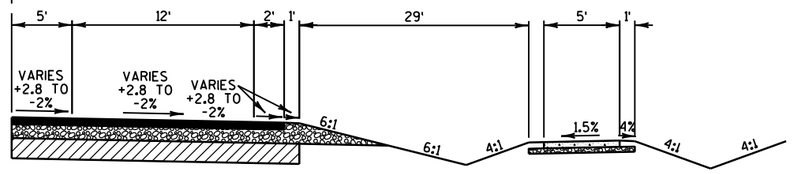
STA 38+75 TO STA 43+00



STA 38+68 TO STA 43+25



STA 43+75 TO STA 49+25



STA 44+50 TO STA 48+70

APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS

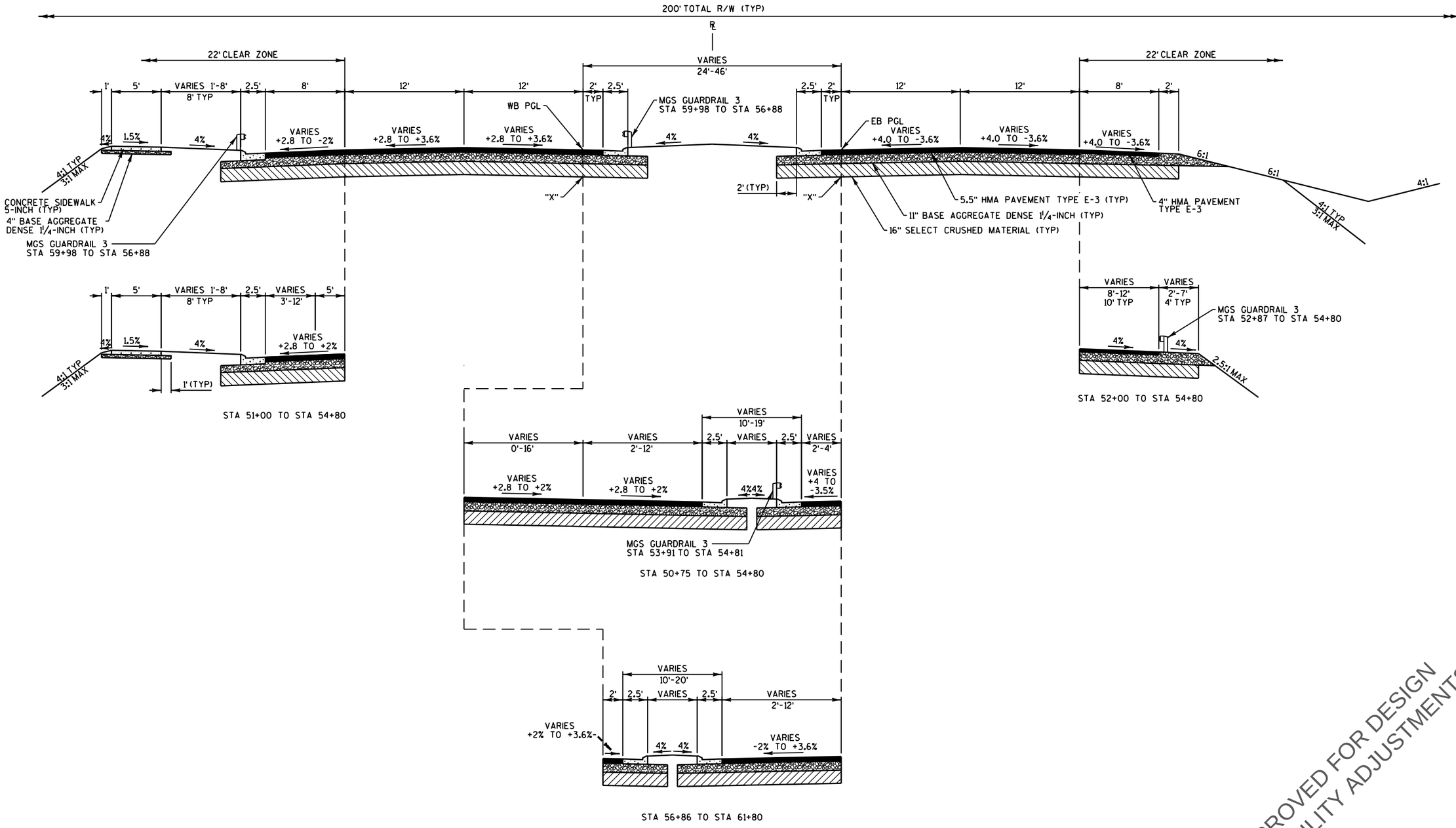
NOTE:
"X" = SUBGRADE REFERRED TO ON CROSS SECTIONS

TYPICAL FINISHED SECTION

GENESEE RD
STA 34+11 TO STA 50+00

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	TYPICAL FINISHED SECTIONS	SHEET	E

PRE_19



NOTE:
"X" = SUBGRADE REFERRED TO ON CROSS SECTIONS

TYPICAL FINISHED SECTION

GENESEE RD
STA 50+00 TO STA STA 61+84

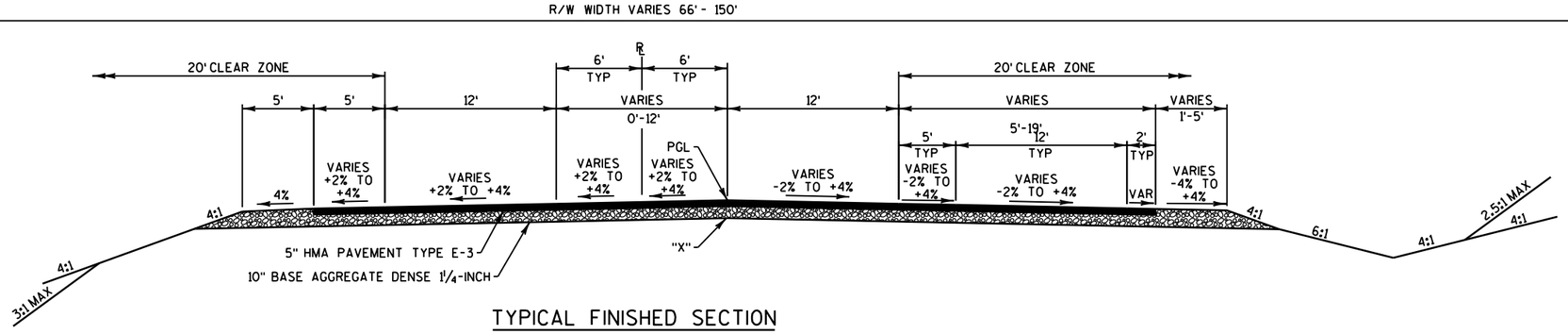
APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	TYPICAL FINISHED SECTIONS	SHEET	E

PRE_20

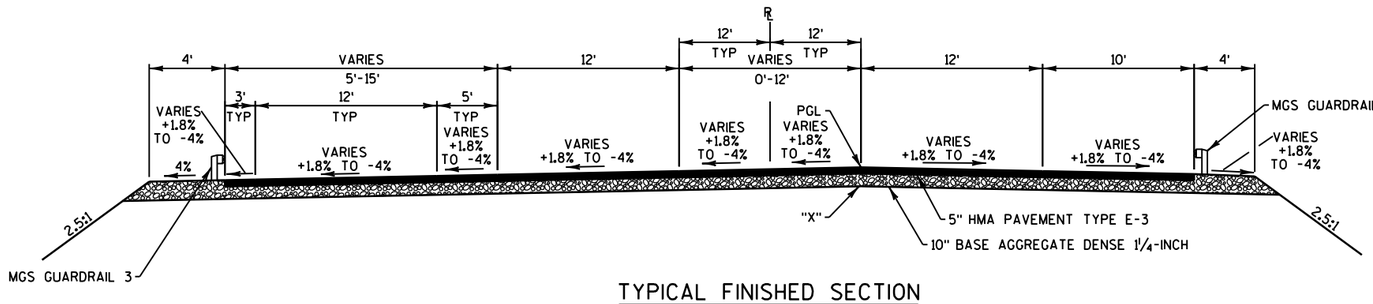
FILE NAME : \\milw00\ingrproj\59971\t1\cds\020401_ts.dgn PLOT DATE : 3/7/2016 2:08:39 PM PLOT BY : dbaumann PLOT NAME : PLOT SCALE : 10:1

WISDOT/CADDS SHEET 42



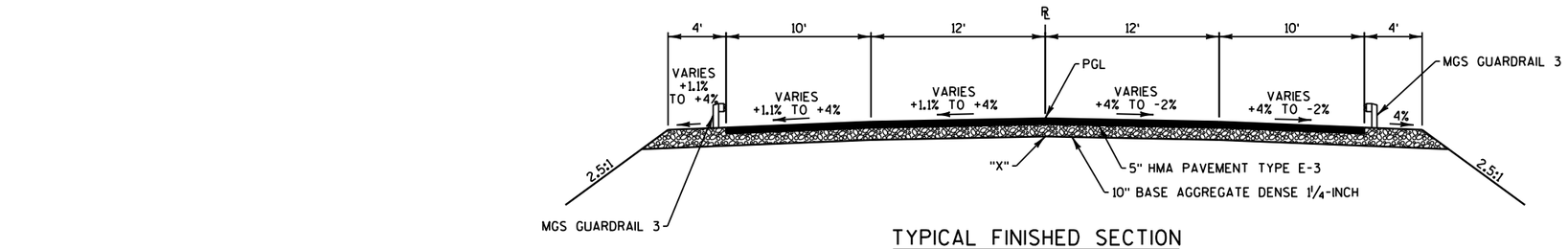
TYPICAL FINISHED SECTION

CTH D/SUNSET DR
STA 41+14 TO STA 49+50



TYPICAL FINISHED SECTION

CTH D/SUNSET DR
STA 50+50 TO STA 58+00



TYPICAL FINISHED SECTION

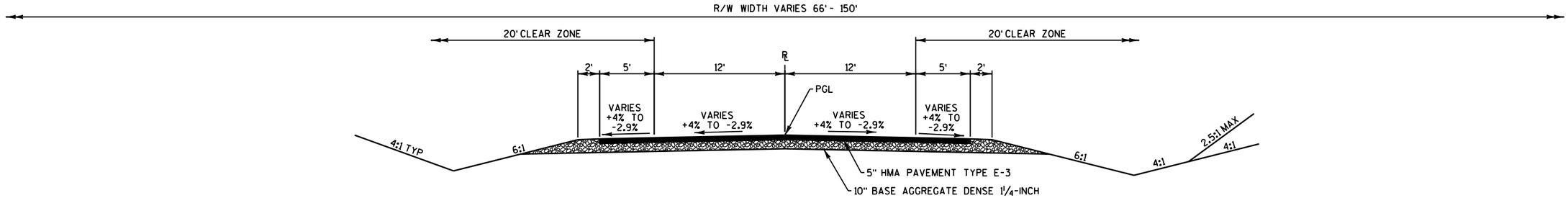
CTH D/SUNSET DR
STA 58+00 TO STA 64+00

APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS

NOTE:
"X" = SUBGRADE REFERRED TO ON CROSS SECTIONS

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	TYPICAL FINISHED SECTIONS	SHEET E

2



TYPICAL FINISHED SECTION

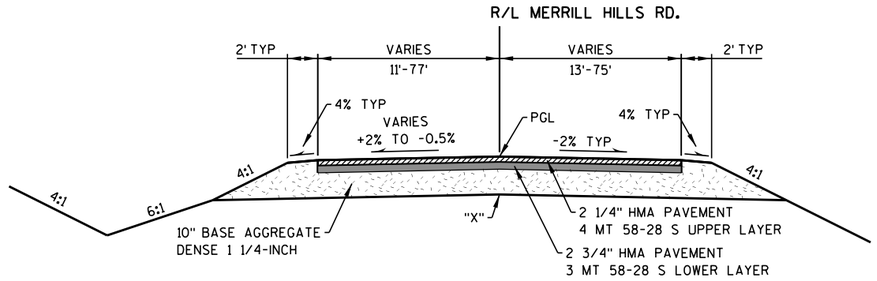
GREEN LN
STA 43+58 TO STA 49+55

APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	TYPICAL FINISHED SECTIONS	SHEET	E

PRE_22

2

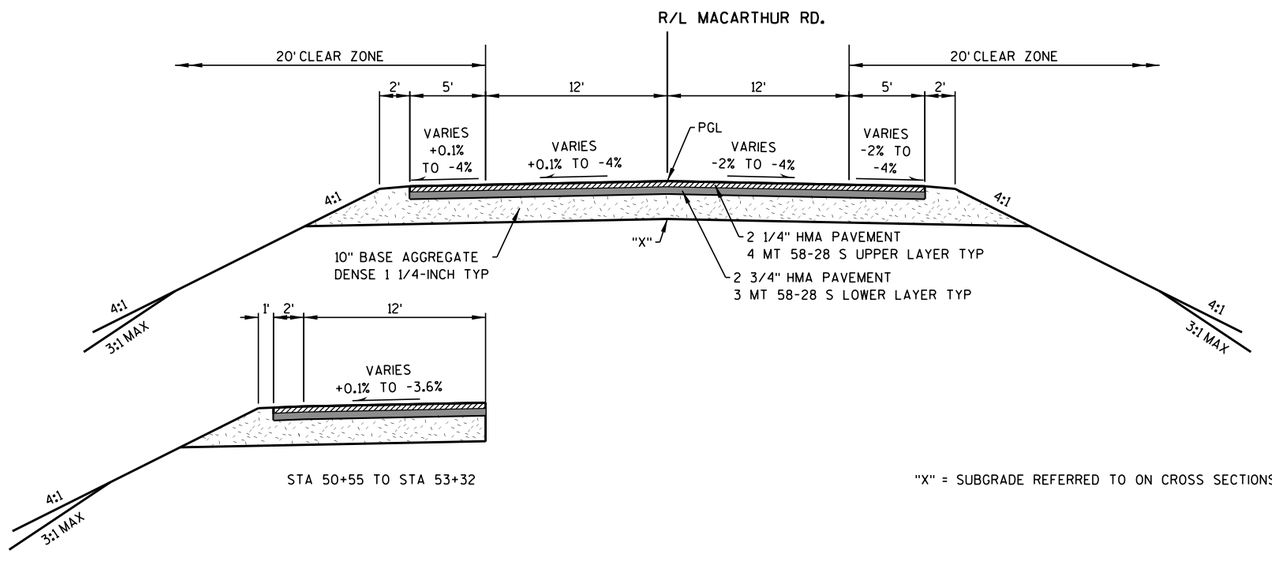


TYPICAL FINISHED SECTION

MERRILL HILLS ROAD (CUL DE SACS)

"X" = SUBGRADE REFERRED TO ON CROSS SECTIONS

STA 61+00 TO STA 62+30
STA 70+46 TO STA 71+75
STA 82+50 TO STA 83+80
STA 90+00 TO STA 91+19



TYPICAL FINISHED SECTION

MACARTHUR ROAD

STA 50+55 TO STA 53+32

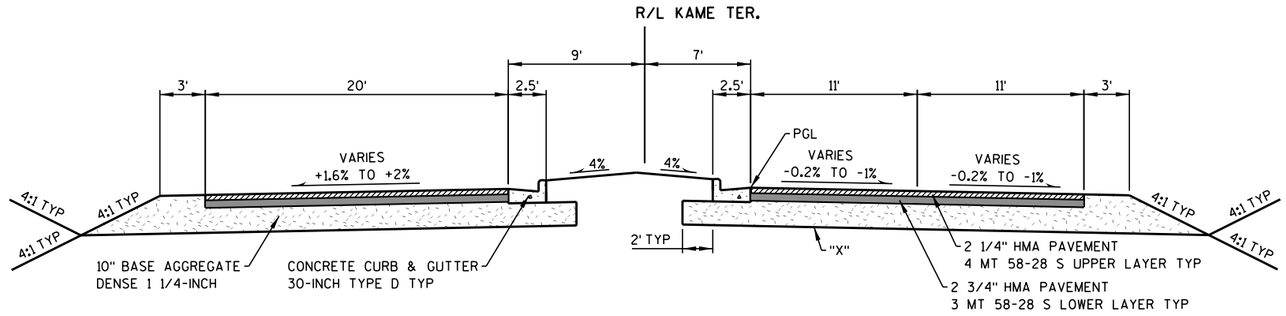
"X" = SUBGRADE REFERRED TO ON CROSS SECTIONS

STA 50+55 TO STA 57+50

APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	TYPICAL FINISHED SECTIONS	SHEET E

PRE_23

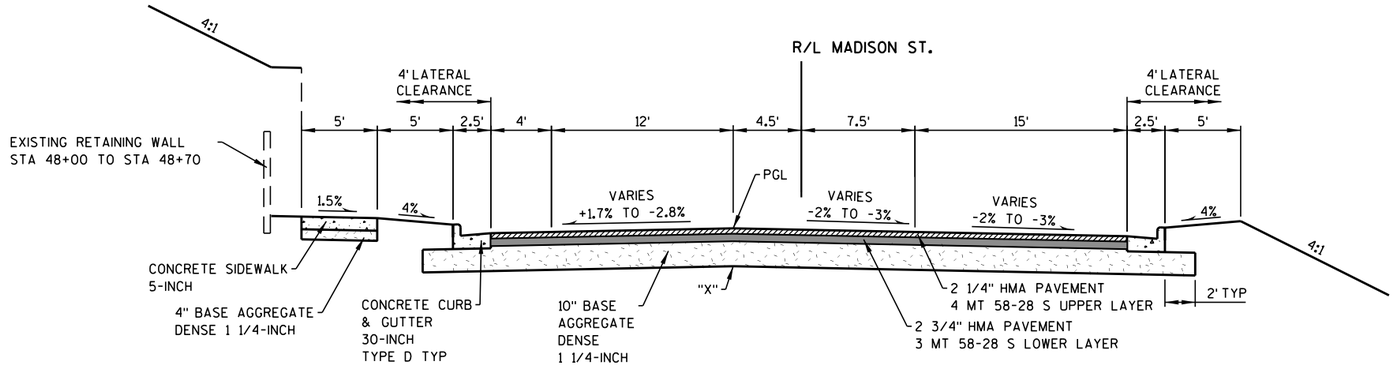


TYPICAL FINISHED SECTION

KAME TERRACE

STA 48+35 TO STA 49+45

"X" = SUBGRADE REFERRED TO ON CROSS SECTIONS

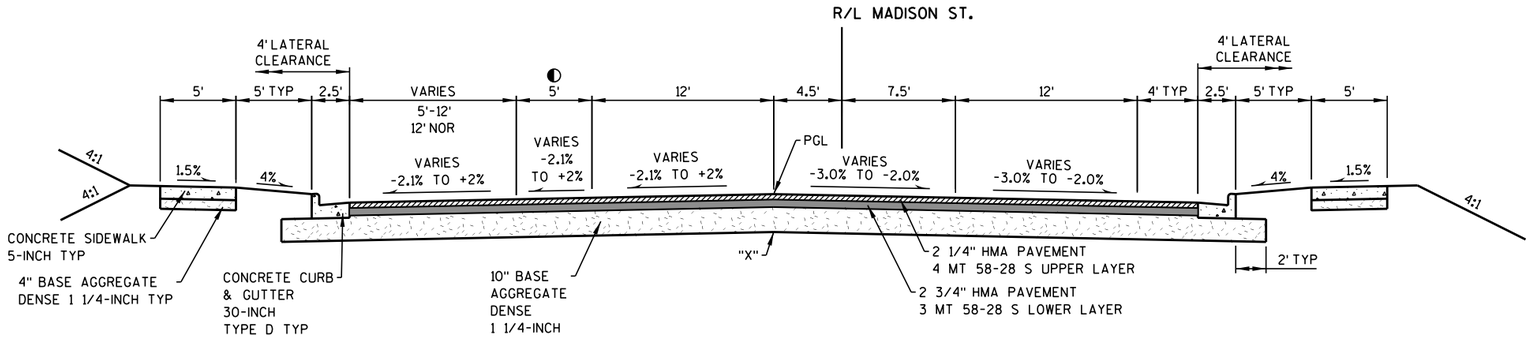


TYPICAL FINISHED SECTION

MADISON STREET

"X" = SUBGRADE REFERRED TO ON CROSS SECTIONS

STA 48+00 TO STA 50+50



TYPICAL FINISHED SECTION

MADISON STREET

"X" = SUBGRADE REFERRED TO ON CROSS SECTIONS

◐ 12' LANE TO STA 52+93. LANE TRANSITIONS
12' TO 5' STA 52+93 TO 53+97.

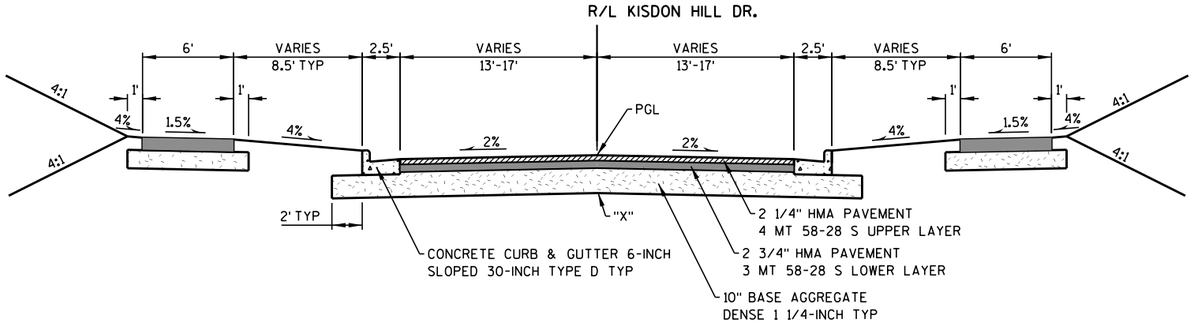
STA 50+50 TO STA 53+97

APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	TYPICAL FINISHED SECTIONS	SHEET E

PRE_24

2

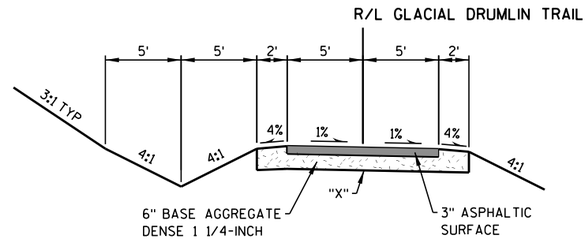


TYPICAL FINISHED SECTION

KISDON HILL DRIVE

STA 50+50 TO STA 53+75

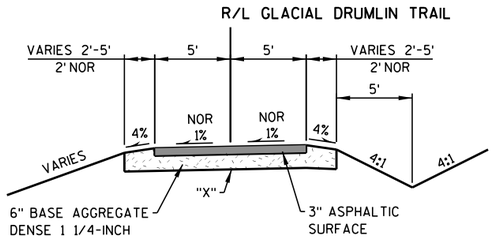
"X" = SUBGRADE REFERRED TO ON CROSS SECTIONS



TYPICAL FINISHED SECTION

GLACIAL DRUMLIN TRAIL

STA 45+80 TO STA 54+71

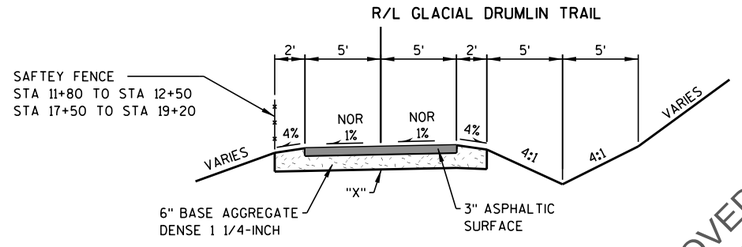


TYPICAL FINISHED SECTION

GLACIAL DRUMLIN TRAIL

N CONNECTION STA 30+00 TO STA 31+43

"X" = SUBGRADE REFERRED TO ON CROSS SECTIONS



TYPICAL FINISHED SECTION

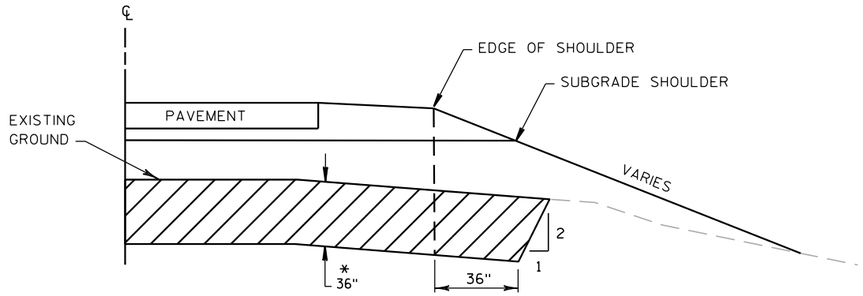
GLACIAL DRUMLIN TRAIL

SW CONNECTION STA 10+05 TO STA 13+38
SE CONNECTION STA 17+53.53 TO STA 19+95.08

APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	TYPICAL FINISHED SECTIONS	SHEET	E

PRE_25



NOTES

1) EBS AREA TO BE BACKFILLED WITH MATERIAL ACCEPTABLE TO THE ENGINEER.

2) BACKFILL MUST BE HOMOGENEOUS WITH ADJOINING FILL MATERIAL.

3) EXACT LOCATION AND EXTENTS OF EBS SECTIONS SHALL BE DETERMINED BY ENGINEER IN THE FIELD.

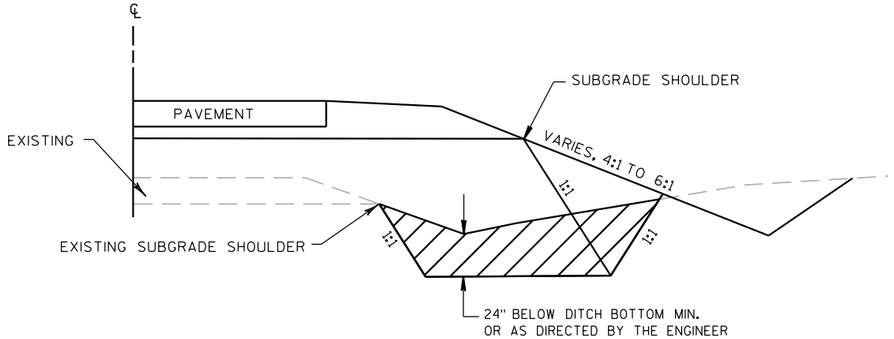
*30" STA 232+00 TO STA 235+00

*48" STA 182+30 TO STA 187+00

LEGEND

= EXCAVATION BELOW SUBGRADE

EXCAVATION BELOW SUBGRADE DETAIL



NOTES

1) UTILIZE DETAIL FOR ALL AREAS WHERE FILL IS TO BE PLACED OVER AN EXISTING DITCH.

2) EXCAVATE AREA TO A MINIMUM OF 24 INCHES BELOW THE EXISTING DITCH BOTTOM OR AS DIRECTED BY THE ENGINEER.

3) EBS AREA TO BE BACKFILLED WITH MATERIAL ACCEPTABLE TO THE ENGINEER.

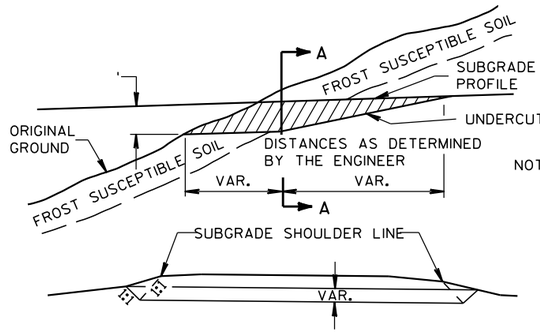
4) BACKFILL MUST BE HOMOGENEOUS WITH ADJOINING FILL MATERIAL.

5) EXACT LOCATION AND EXTENTS OF EBS SECTIONS SHALL BE DETERMINED BY ENGINEER IN THE FIELD.

LEGEND

= EXCAVATION BELOW SUBGRADE

EBS IN DITCHES DETAIL



SECTION A-A

CROSS SECTION SHOWING UNDERCUT

NOTE: EXACT LOCATIONS AND EXTENT OF E.B.S. SECTIONS SHALL BE DETERMINED BY THE ENGINEER IN THE FIELD.

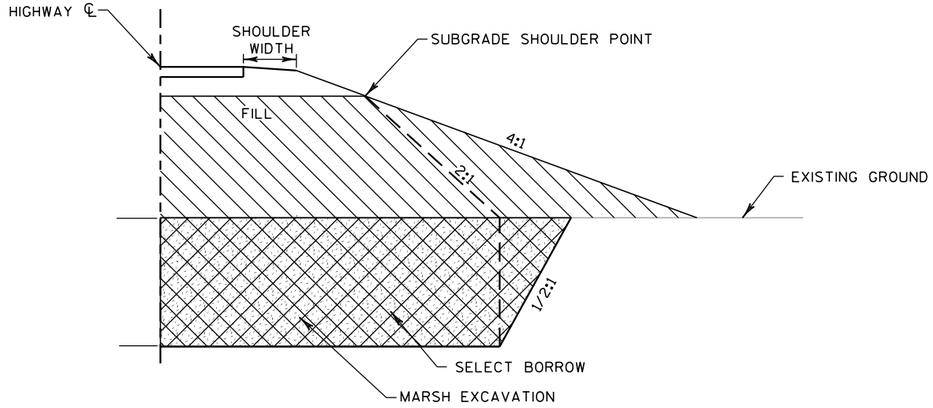
E.B.S. AREA TO BE BACKFILLED WITH MATERIAL ACCEPTABLE TO THE ENGINEER

BACKFILL MUST BE HOMOGENEOUS WITH ADJOINING FILL MATERIAL.

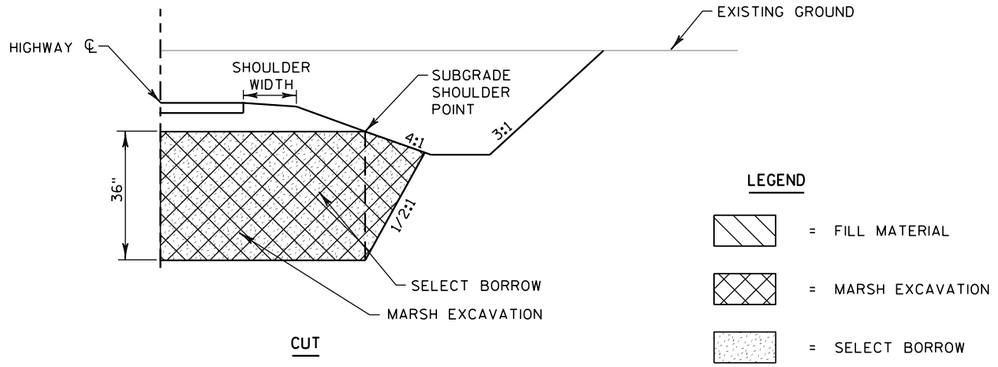
THE FILL SECTION WITHIN 100' OF THE MOUTH OF THE CUT MUST BE KEPT 2' BELOW SUBGRADE UNTIL E.B.S. IS COMPLETED.

EXCAVATION BELOW SUBGRATE AT CUTS DETAIL

APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS



FILL



CUT

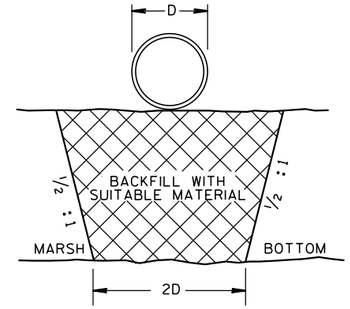
LEGEND

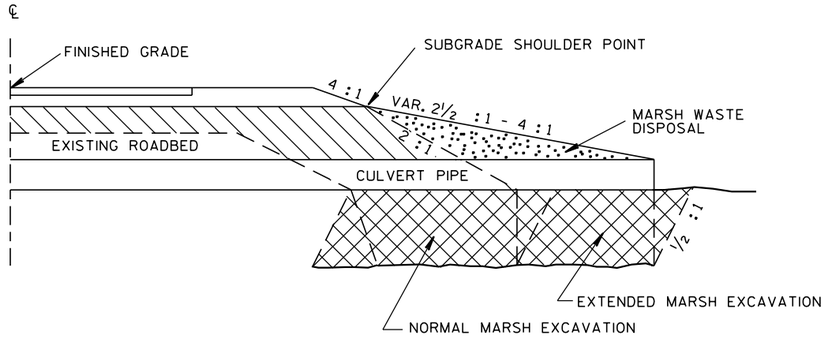
= FILL MATERIAL

= MARSH EXCAVATION

= SELECT BORROW

MARSH EXCAVATION DETAIL

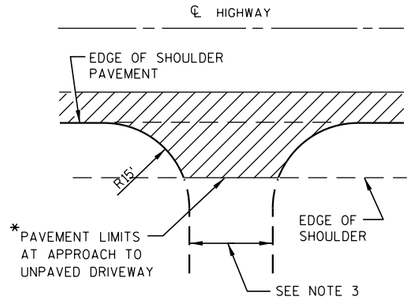




MARSH EXCAVATION AT CULVERTS DETAIL

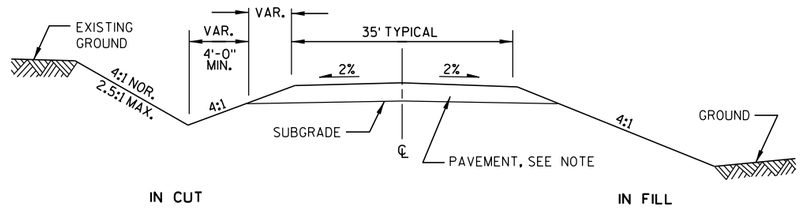
APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CONSTRUCTION DETAILS	SHEET E

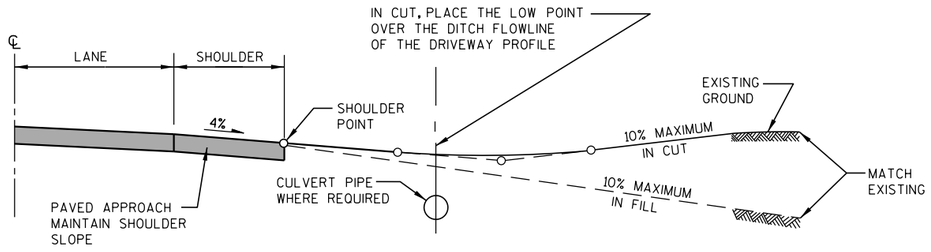


*WHERE DRIVEWAY IS PAVED, APPROACH PAVEMENT SHOULD BE EXTENDED TO MATCH DRIVEWAY PAVEMENT.

PLAN VIEW



TYPICAL CROSS SECTION



TYPICAL PROFILE

NOTES

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

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

   ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES 3-INCH OVER BASE AGGREGATE DENSE 3/4-INCH 4-INCH OR

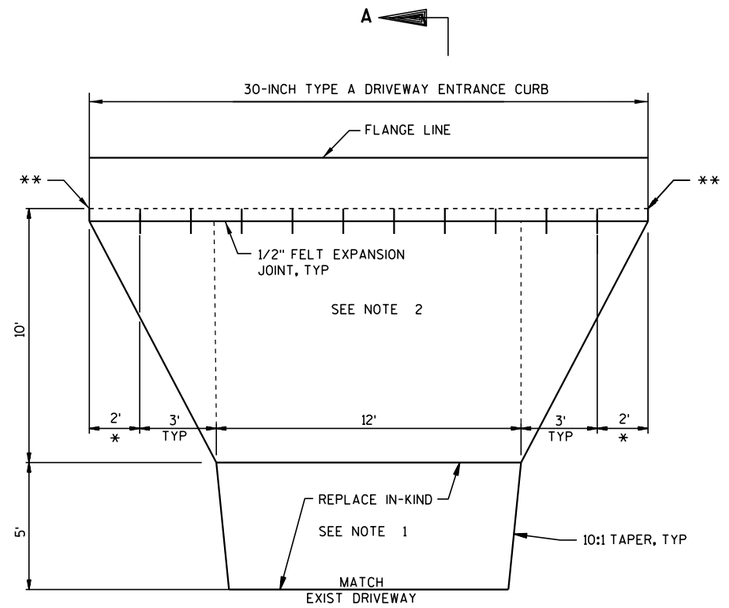
   CONCRETE DRIVEWAY 6-INCH OVER BASE AGGREGATE DENSE 3/4-INCH 4-INCH OR

   BASE AGGREGATE DENSE 3/4-INCH 6-INCH

3) SEE PAVING DETAILS FOR WIDTH REQUIRED

RURAL DRIVEWAY DETAIL

230+28, LT
238+46, LT
238+51, RT



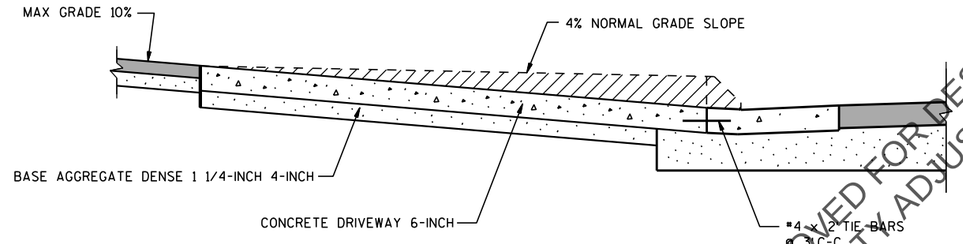
PLAN VIEW

* TAPER CURB HEAD
** STATION SHOWN ON PAVING DETAILS

NOTES

1) DRIVEWAY SURFACE BEYOND APRON SHALL BE REPLACE IN-KIND WITH ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES 3-INCH OVER BASE AGGREGATE DENSE 3/4-INCH 4-INCH

2) ALL URBAN DRIVEWAYS TO BACK OF APRON PAID UNDER THE BID ITEM "CONCRETE DRIVEWAY 6-INCH."



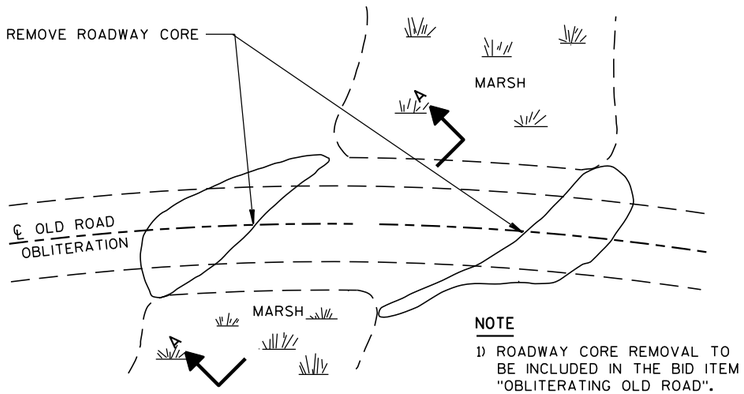
SECTION A-A

URBAN DRIVEWAY DETAIL

426+16, LT

APPROVED FOR DESIGN OF UTILITY ADJUSTMENTS

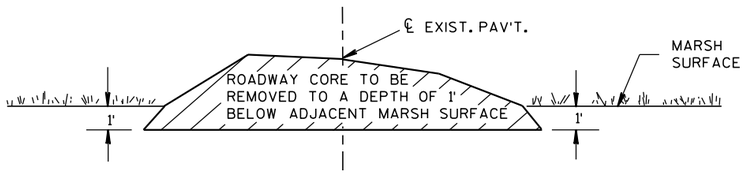
PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CONSTRUCTION DETAILS	SHEET PRE_28	E



NOTE

1) ROADWAY CORE REMOVAL TO BE INCLUDED IN THE BID ITEM "OBLITERATING OLD ROAD".

PLAN VIEW

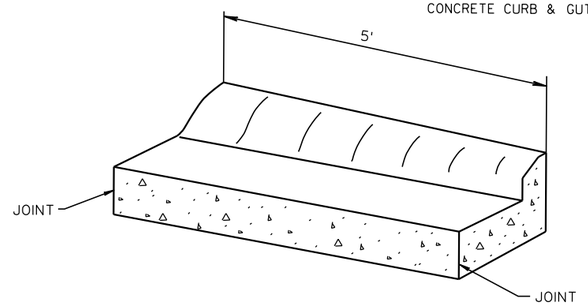


SECTION A-A

OBLITERATING OLD ROAD DETAIL

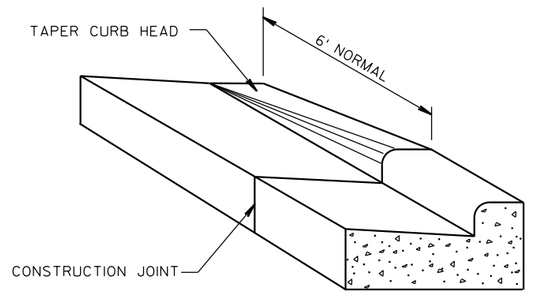
NOTE

1) TRANSITIONS ARE BETWEEN CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE D TO CONCRETE CURB & GUTTER 30-INCH TYPE D



CURB & GUTTER TRANSITION DETAIL

(TO BE MEASURED AND PAID FOR AS CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE D)

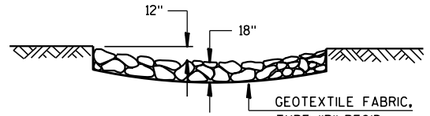


NOTE

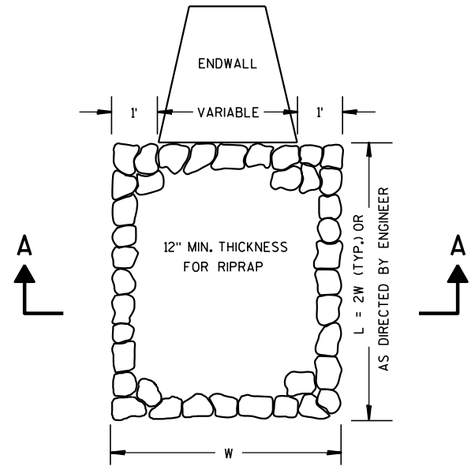
1) TO BE USED AT ALL TERMINI OF CURB AND GUTTER WHERE NO ABUTTING EXISTING CURB AND GUTTER OR ASPHALTIC FLUMES.

CURB & GUTTER TERMINAL SECTION DETAIL

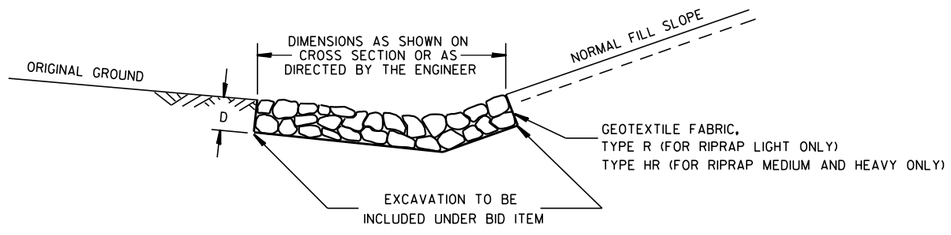
APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS



SECTION A-A

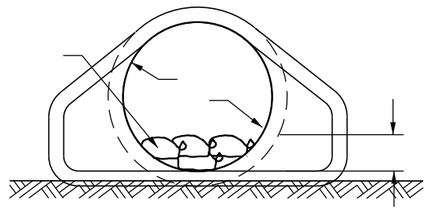


RIPRAP TREATMENT AT CULVERTS DETAIL

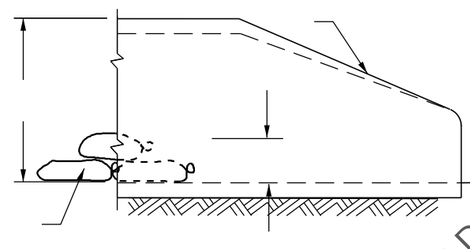


D = 12" FOR RIPRAP LIGHT
18" FOR RIPRAP MEDIUM
24" FOR RIPRAP HEAVY

RIPRAP IN DITCHES DETAIL



END VIEW



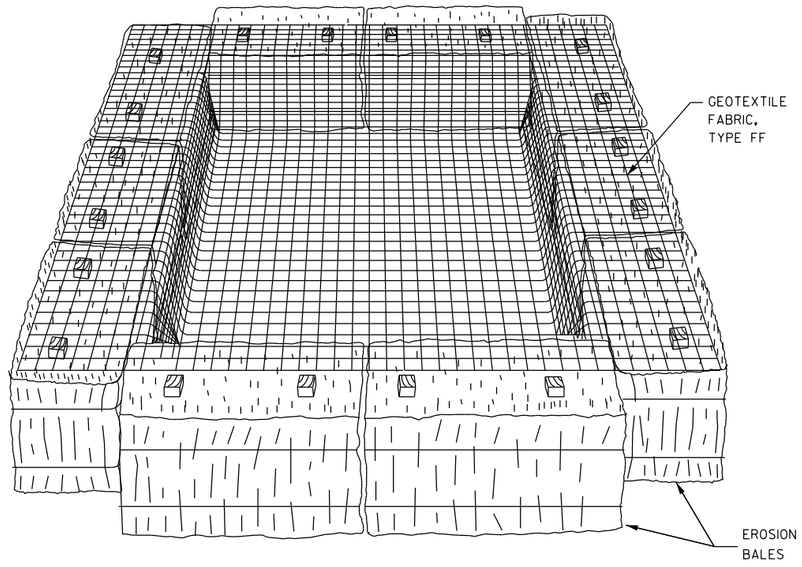
SIDE VIEW

CULVERT PIPE CHECKS DETAIL

INSTALL AT INLET END ONLY

APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CONSTRUCTION DETAILS	SHEET PRE_30	E



(SIZE TO BE DETERMINED IN FIELD AS INDICATED BELOW:)

STORAGE VOLUME (C.F.) = 16 X GPM (PUMP RATE)

EXAMPLE:
CONTRACTOR INDICATES PUMP CAPABLE OF 50 GPM
HEIGHT OF BALES = 1.5 FT.
SOLUTION:
SV (C.F.) = 16 X 50

SV = 800 C.F.

$$\frac{800 \text{ C.F.}}{1.5 \text{ FT.}} = 533 \text{ S.F.}$$

USE A 20 FT. X 27 FT. BASIN

NOTES

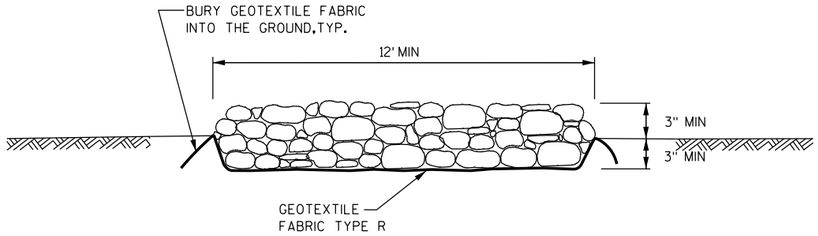
1) CONTRACTOR SHALL PUMP WATER FROM DEWATERING OPERATIONS INTO TEMPORARY SETTLING BASINS PRIOR TO DISCHARGING INTO ROADSIDE DITCHES.

2) BASIN SHALL BE KEPT LESS THAN 10% FULL OF SEDIMENT. GEOTEXTILE FABRIC AND SEDIMENTS SHALL BE DISPOSED BY THE CONTRACTOR OFF OF THE PROJECT SITE.

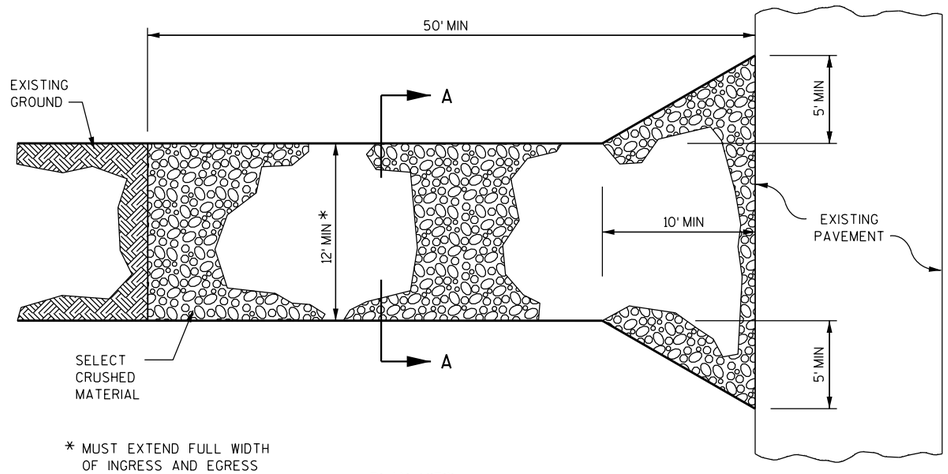
3) TEMPORARY SETTLING BASIN SHALL BE PAID FOR AS EROSION BALES AND GEOTEXTILE FABRIC TYPE FF.

TEMPORARY SETTLING BASIN DETAIL

UNDISTRIBUTED



SECTION A-A



* MUST EXTEND FULL WIDTH OF INGRESS AND EGRESS OPERATION

PLAN VIEW

NOTES

1) TRACKING PADS SHALL BE INSPECTED DAILY. DEFICIENT AREAS SHALL BE REPAIRED OR REPLACED IMMEDIATELY.

2) TRACKING PAD TO BE REMOVED AFTER CONSTRUCTION IS COMPLETE.

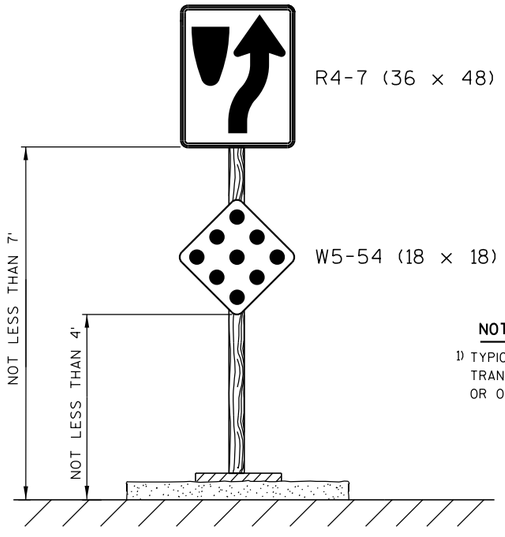
3) TRACKING PAD TO BE PAID FOR AS SELECT CRUSHED MATERIAL AND GEOTEXTILE FABRIC TYPE R.

TRACKING PADS DETAIL

FOR CONSTRUCTION EGRESS POINTS

APPROVED FOR DESIGN OF UTILITY ADJUSTMENTS

2



NOTE

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

SIGNING DETAIL

APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS

2

2

N

PROPOSED R/W

PROPOSED DRAINAGE POND

PROPOSED R/W

SLOPE INTERCEPT

R/L WAUKESHA BYPASS

TLE

PROPOSED R/W

WAUKESHA BYPASS SB

A 98

A 199

A 200

A 201

A 202

A 203

A 20

WAUKESHA BYPASS NB

APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS

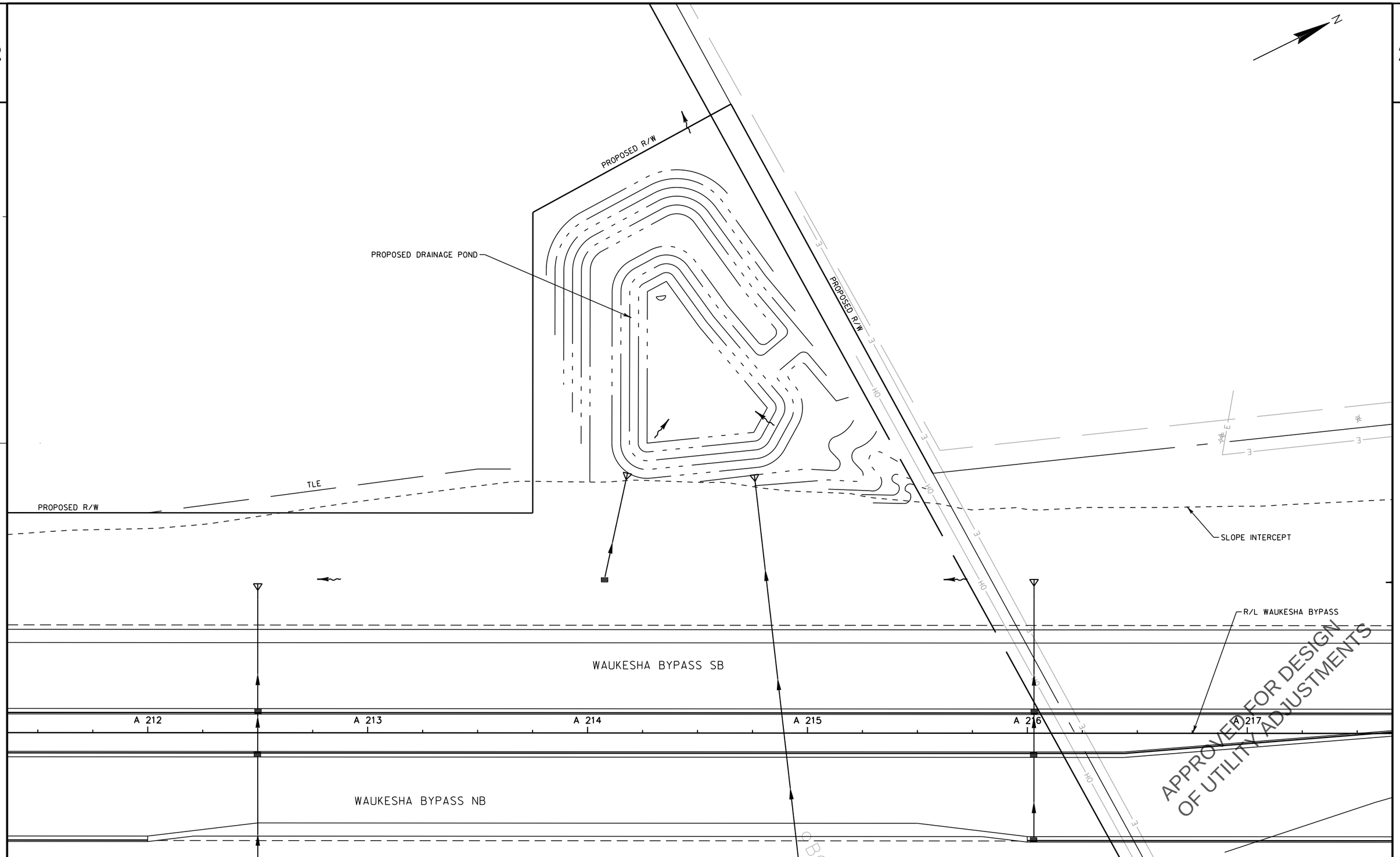
PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CONSTRUCTION DETAIL: DRAINAGE POND STA 201 LT	SHEET	E

PRE_33

FILE NAME : F:\BM1-3324 USH 18 Bypass\5_Design\03_Roads\cds\by_021011_cd.dgn PLOT DATE : 11-APR-2016 13:03 PLOT BY : torner PLOT NAME : PLOT SCALE : 40:1

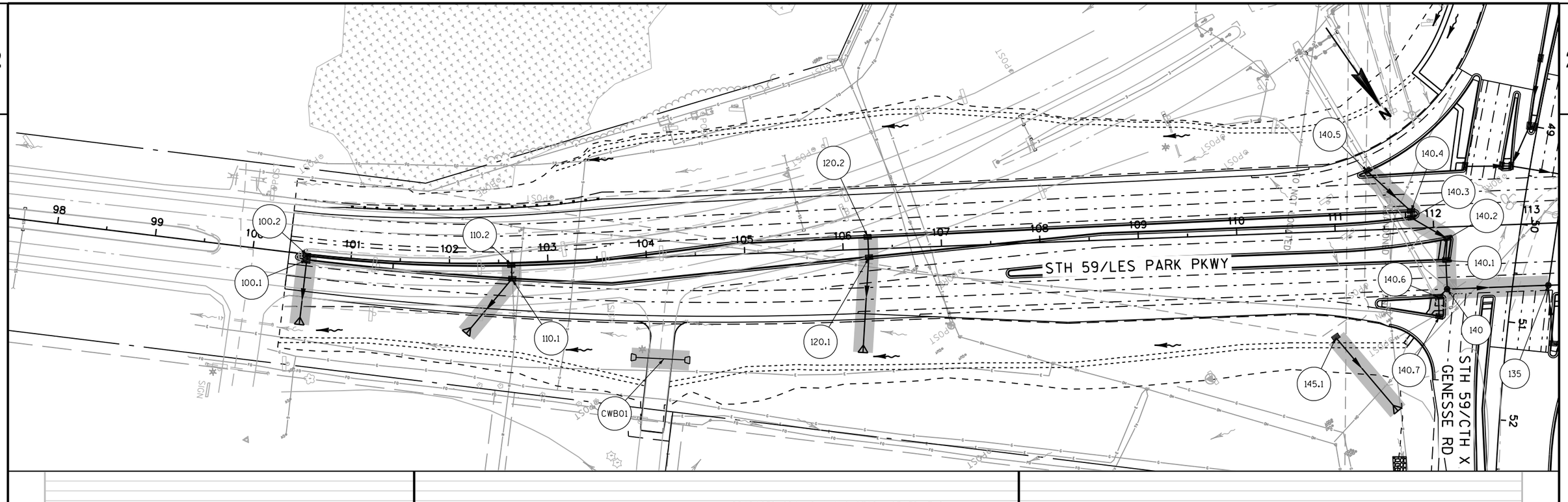
WISDOT/CADDS SHEET 42

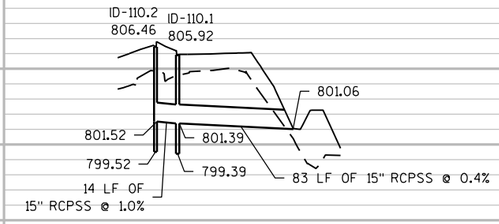
2

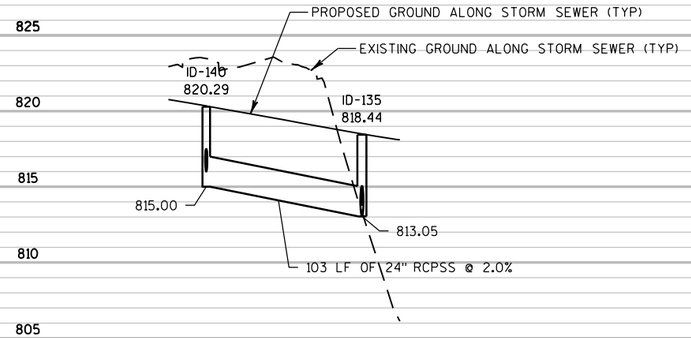


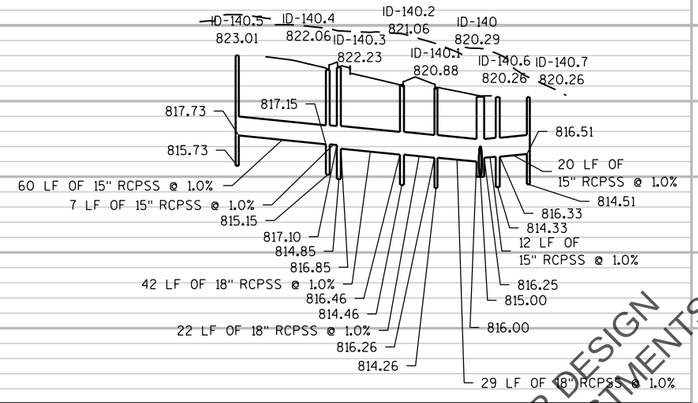
PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CONSTRUCTION DETAIL: DRAINAGE POND STA 214 LT	SHEET E

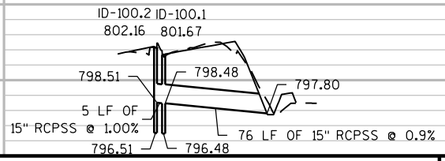
FILE NAME : F:\BM1-3324 USH 18 Bypass\5_Design\03_Roads\cds\by_021012_cd.dgn PLOT DATE : 11-APR-2016 13:04 PLOT BY : torner PLOT NAME : PLOT SCALE : 40:1

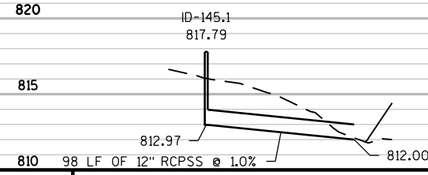


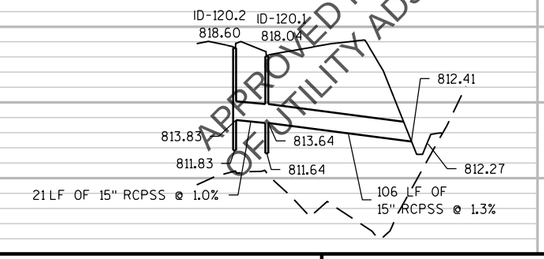








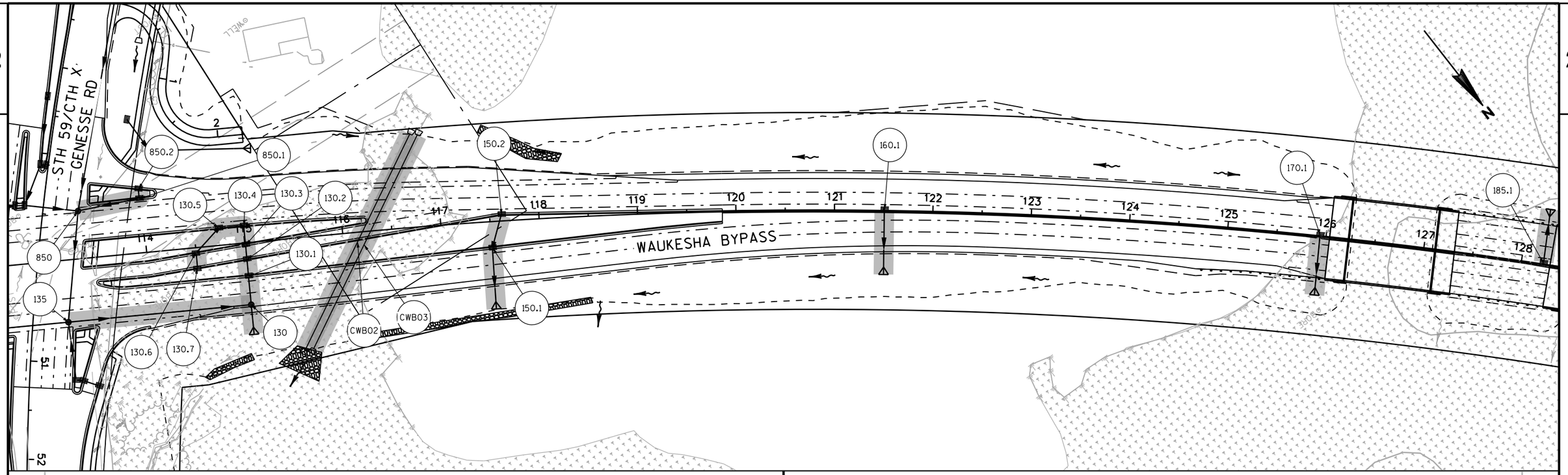


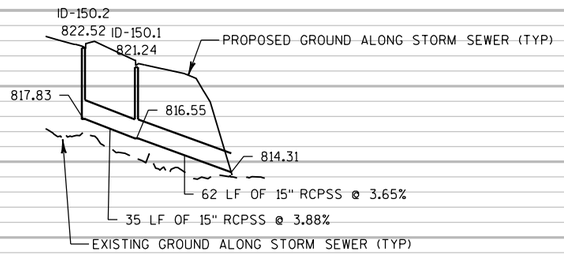


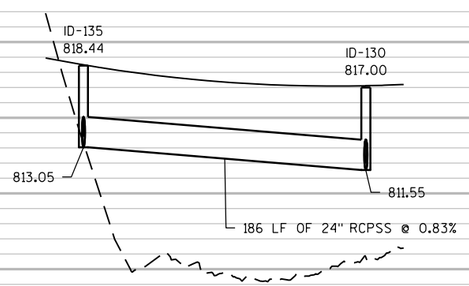
APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS

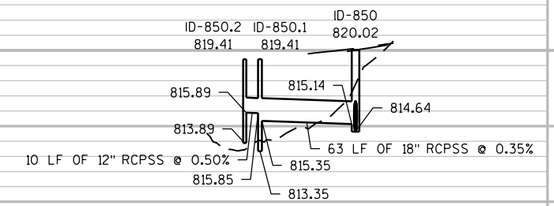
PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	STORM SEWER: WAUKESHA BYPASS	SHEET E

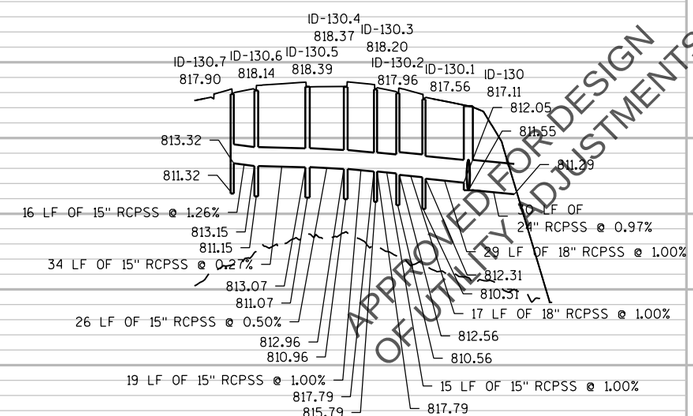
FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_022501_ss.dgn PLOT DATE : 4/11/2016 11:30:23 AM PLOT BY : lzidek PLOT NAME : $FILE$ PLOT SCALE : 100:1
WISDOT/CADDS SHEET 41





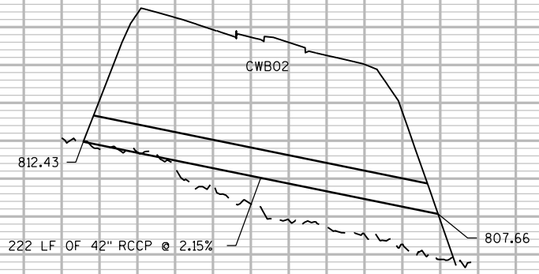


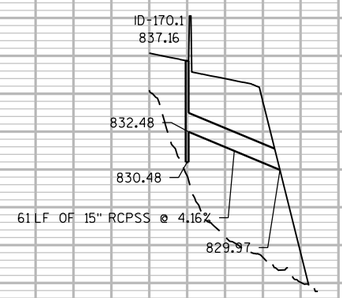


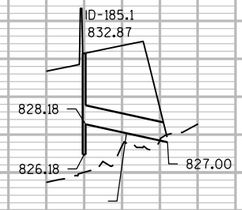


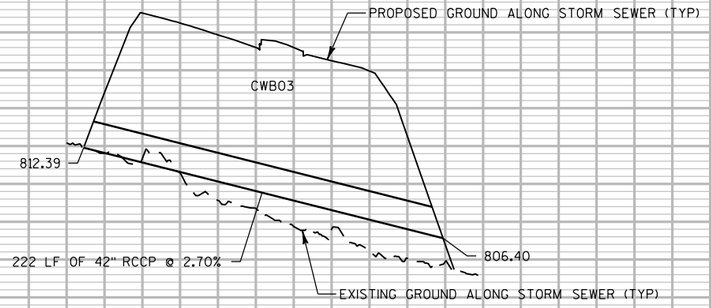
PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	STORM SEWER: WAUKESHA BYPASS	SHEET	E

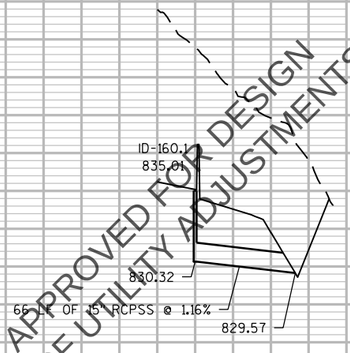
PRE_36







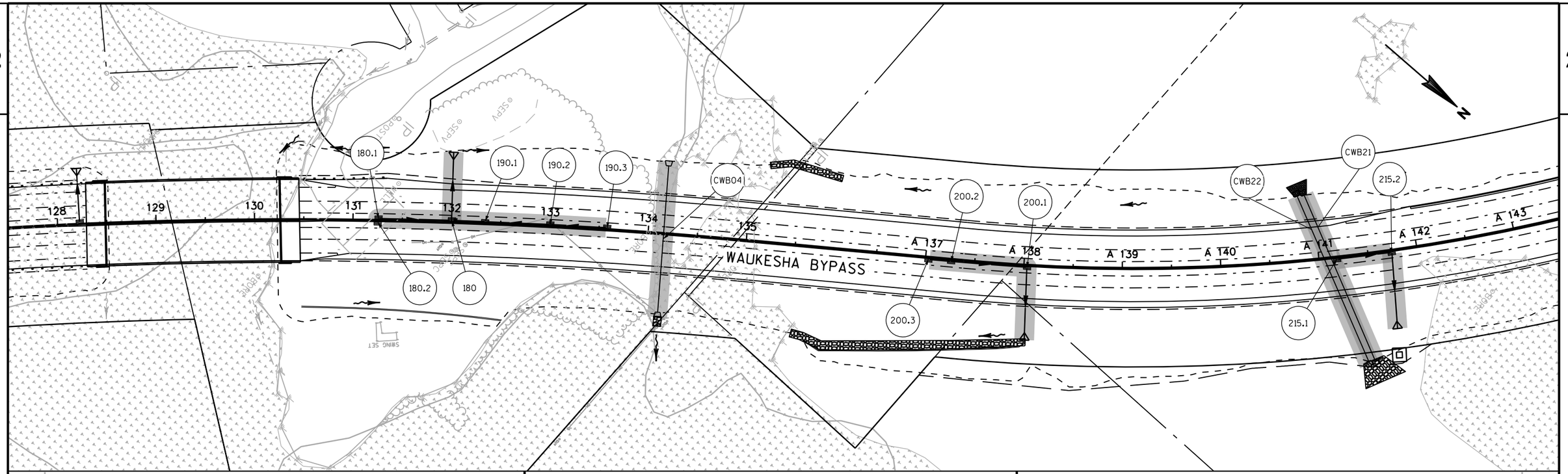


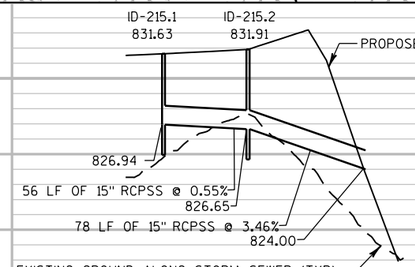


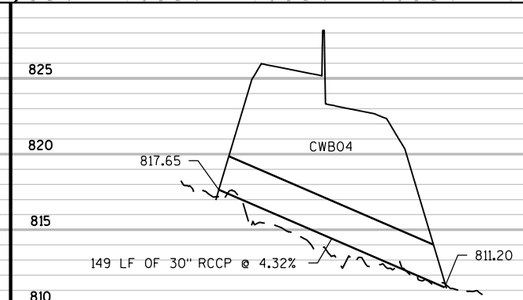
APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS

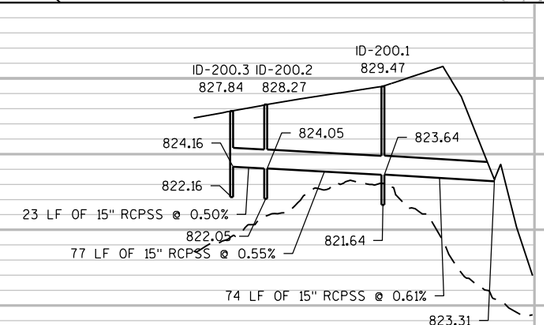
PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	STORM SEWER: WAUKESHA BYPASS	SHEET	E

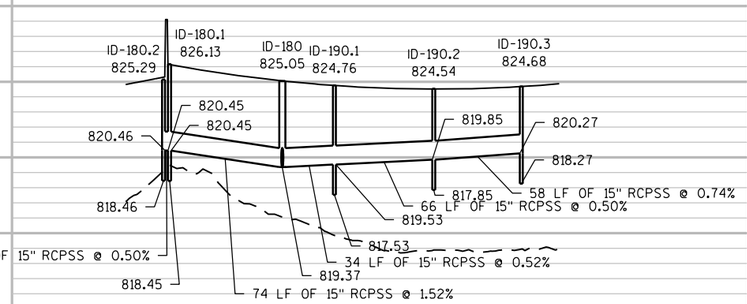
FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_022502a_ss.dgn PLOT DATE : 4/11/2016 11:30:28 AM PLOT BY : lzidek PLOT NAME : PLOT SCALE : 100:1
WISDOT/CADDS SHEET 40

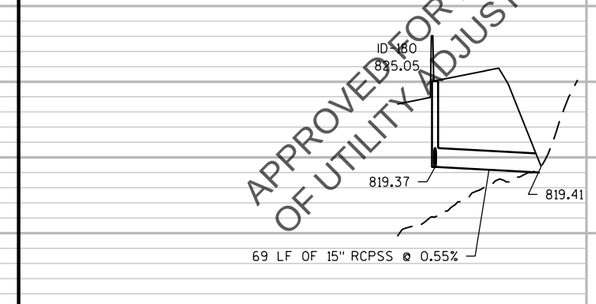








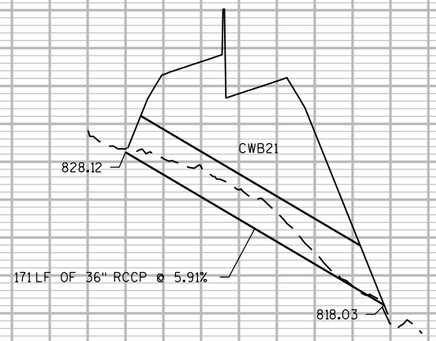


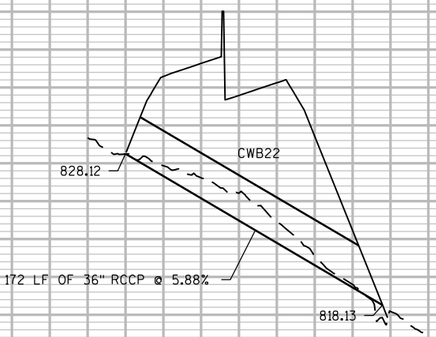


APPROVED FOR DESIGN OF UTILITY ADJUSTMENTS

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	STORM SEWER: WAUKESHA BYPASS	SHEET E

PRE_38





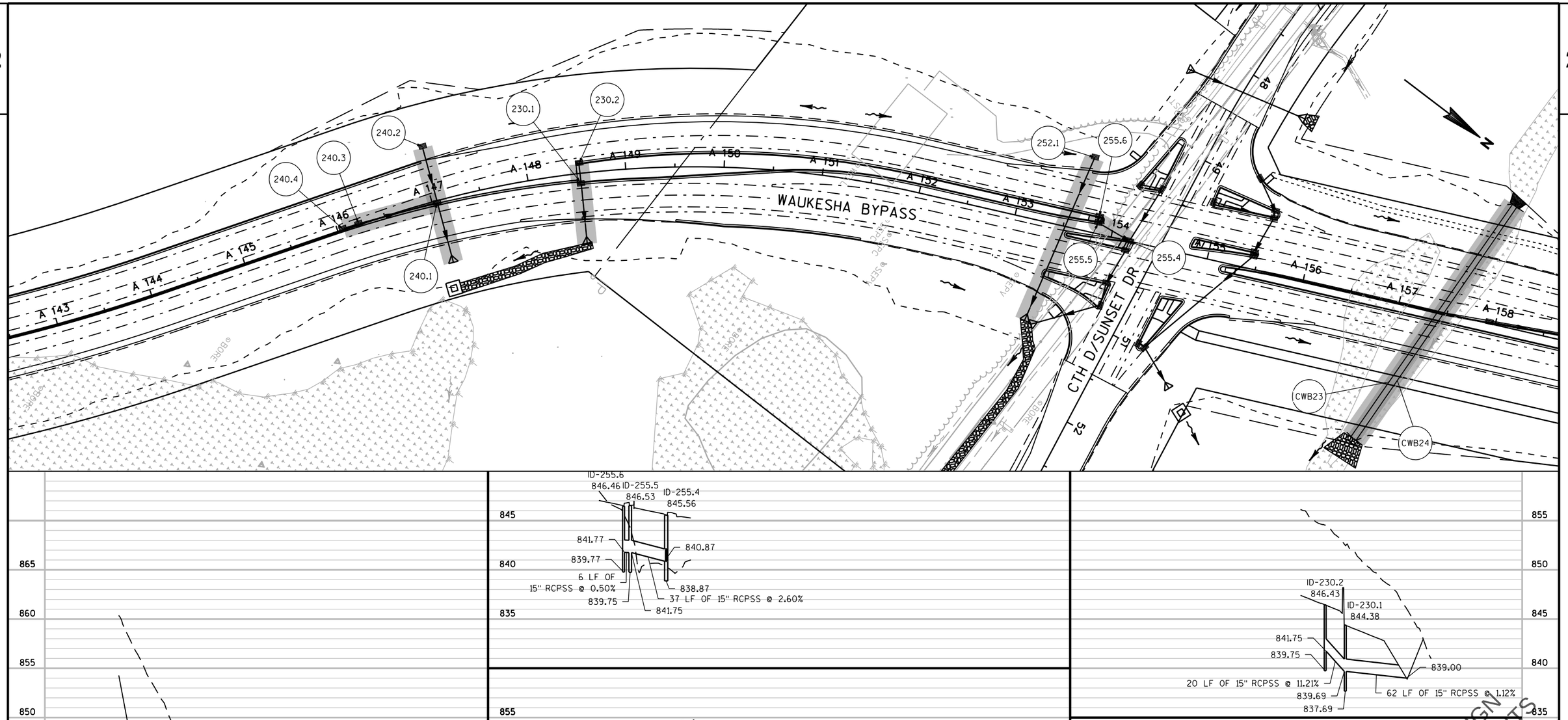
APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS

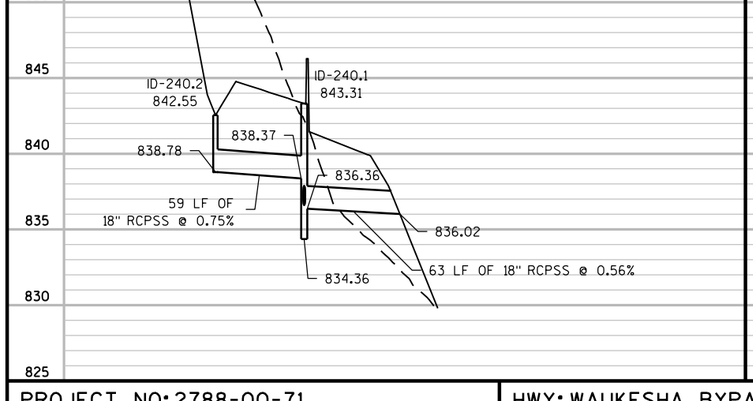
PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	STORM SEWER: WAUKESHA BYPASS	SHEET	E

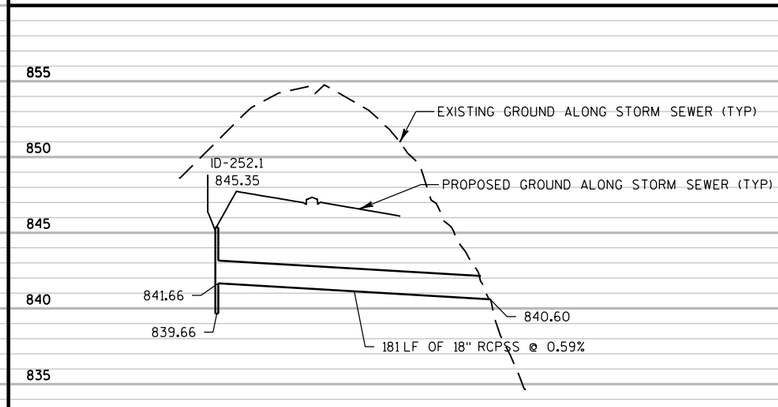
PRE_39

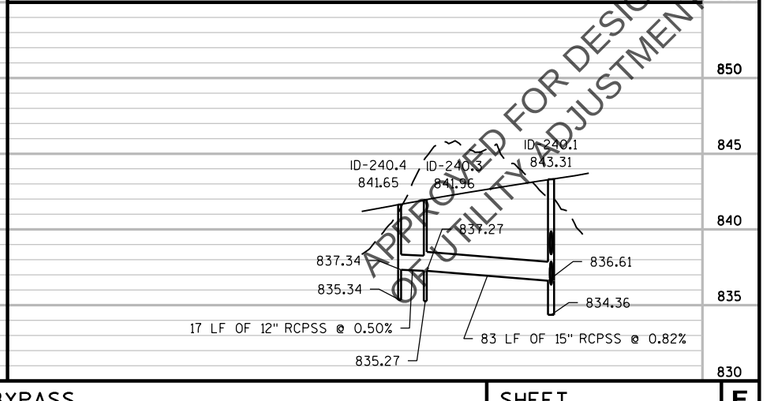
FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_022503a_ss.dgn PLOT DATE : 4/11/2016 11:30:34 AM PLOT BY : lzidek PLOT NAME : PLOT SCALE : 100:1

WISDOT/CADDS SHEET 40





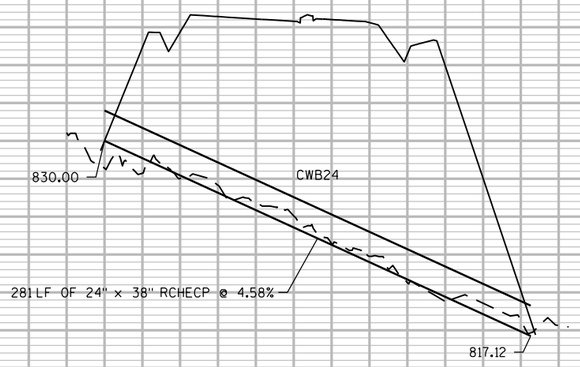


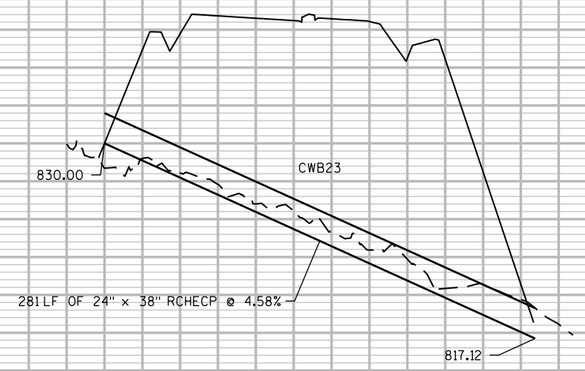


APPROVED FOR DESIGN
BY UTILITY ADJUSTMENTS

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	STORM SEWER: WAUKESHA BYPASS	SHEET E

PRE_40





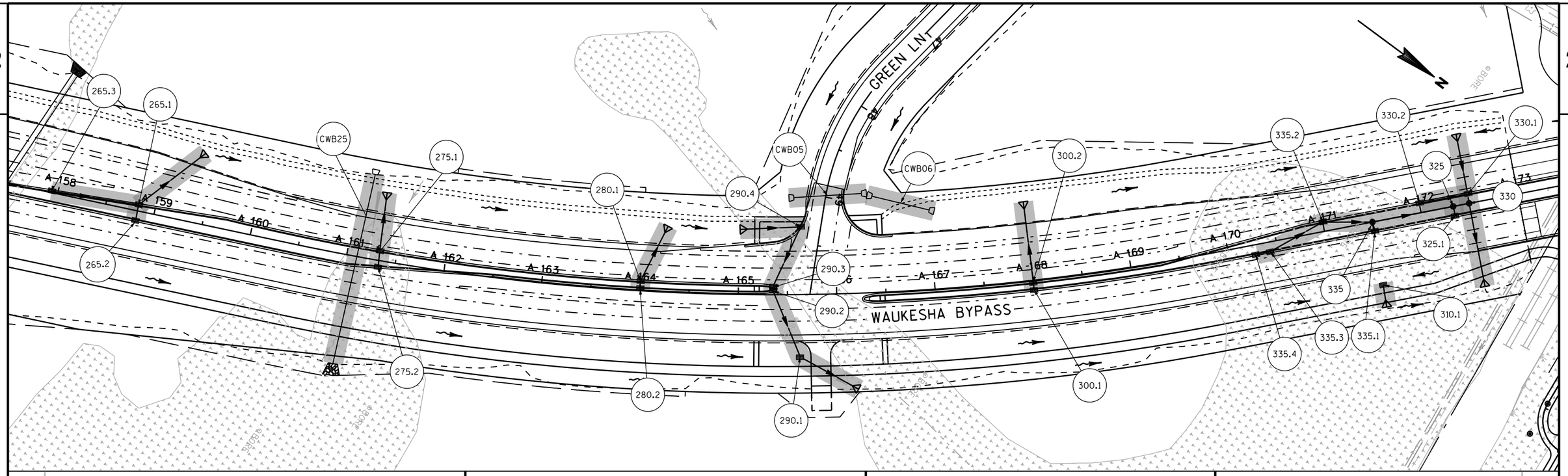
APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS

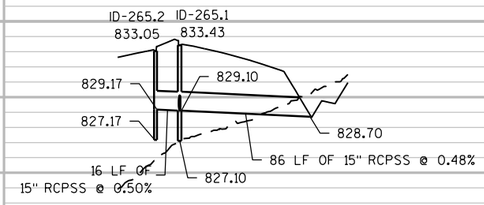
PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	STORM SEWER: WAUKESHA BYPASS	SHEET	E

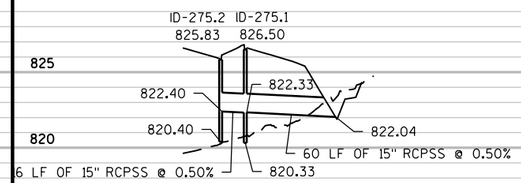
PRE_41

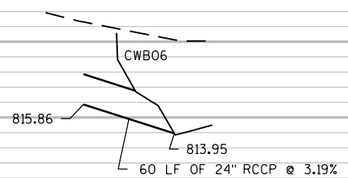
FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_022504a_ss.dgn PLOT DATE : 4/11/2016 11:30:40 AM PLOT BY : lzidek PLOT NAME : PLOT SCALE : 100:1

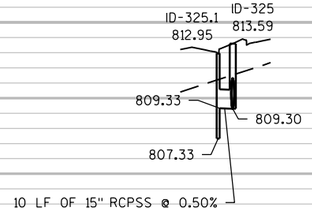
WISDOT/CADDS SHEET 40

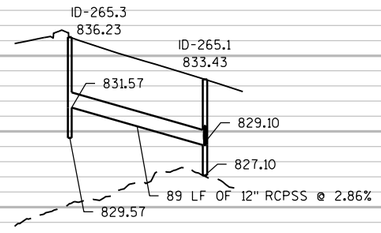


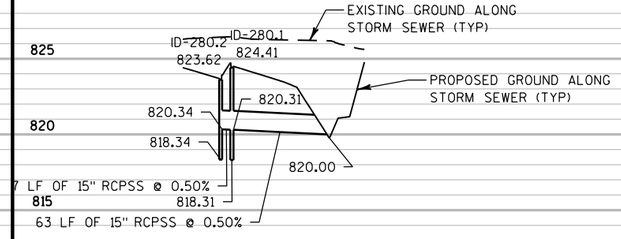


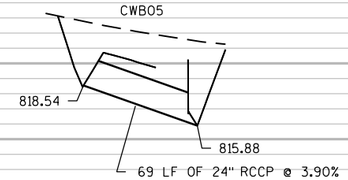


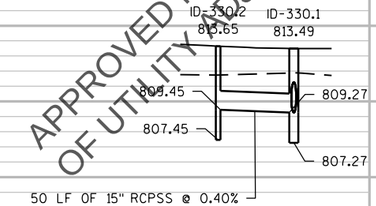












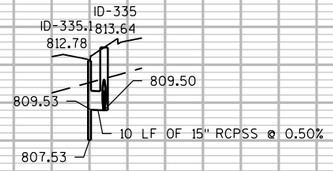
APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS

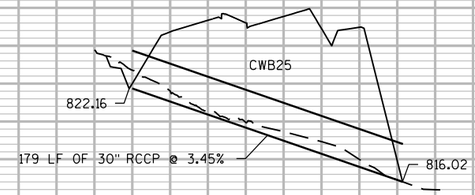
PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	STORM SEWER: WAUKESHA BYPASS	SHEET E

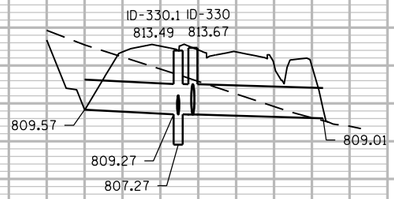
PRE_42

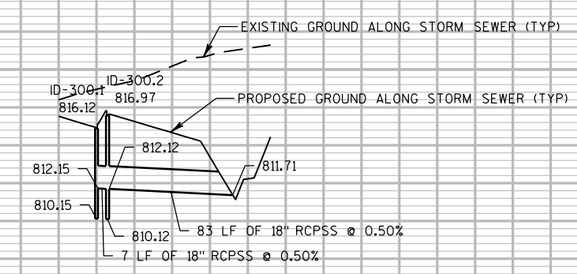
FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_022505_ss.dgn PLOT DATE : 4/11/2016 11:30:43 AM PLOT BY : lzidek PLOT NAME : $FILE$ PLOT SCALE : 100:1

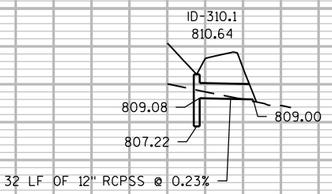
WISDOT/CADDS SHEET 41

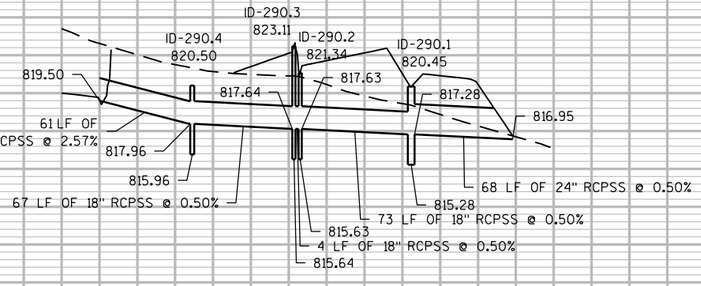


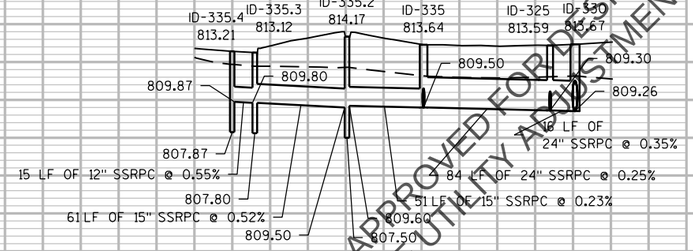








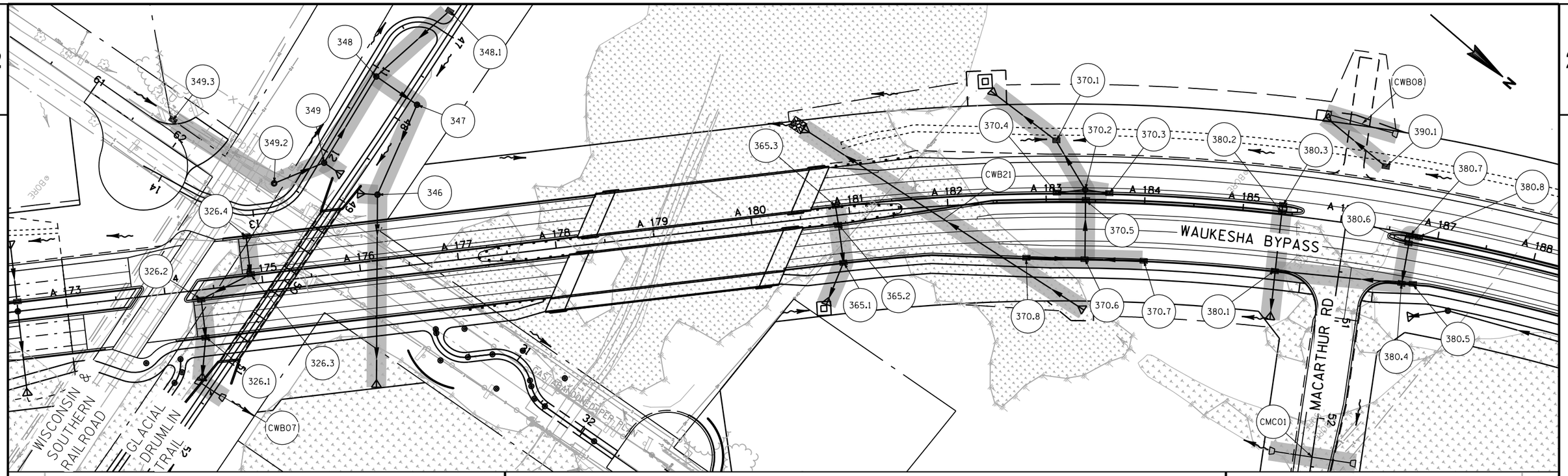


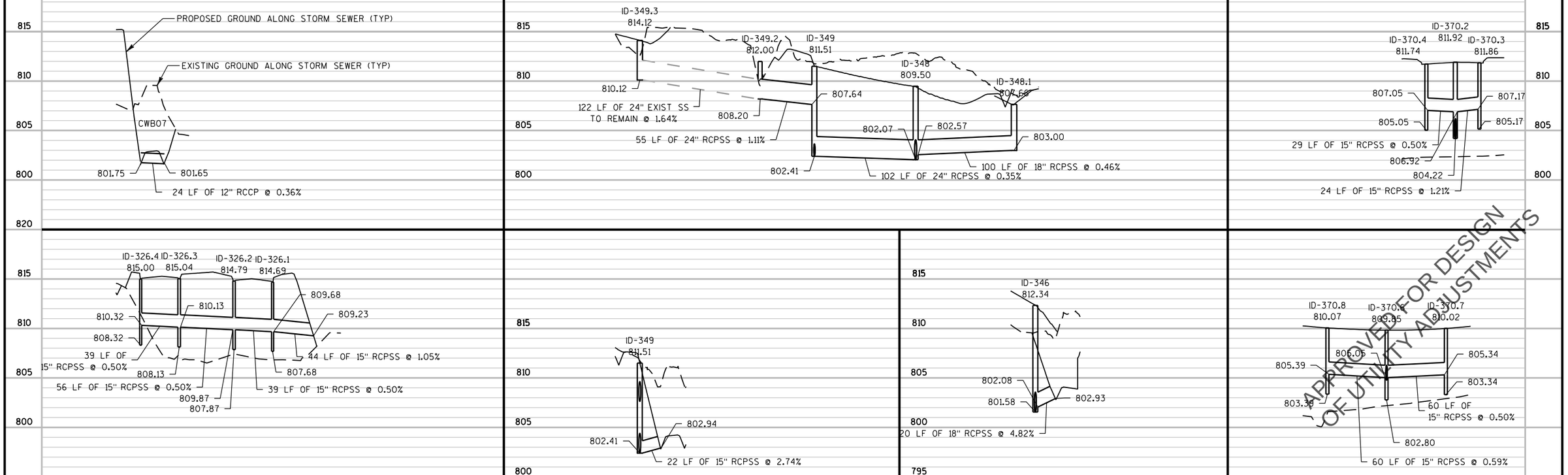


APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	STORM SEWER: WAUKESHA BYPASS	SHEET	E

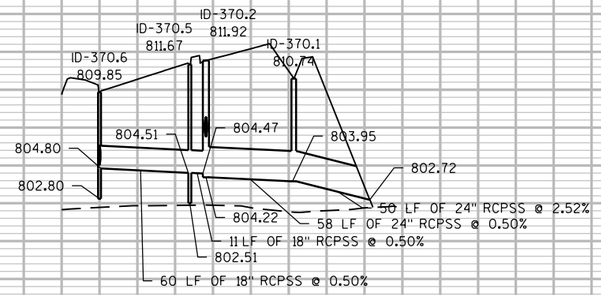
PRE_43

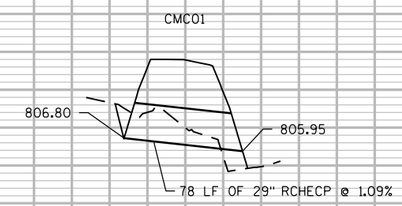


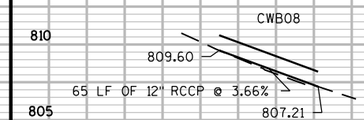


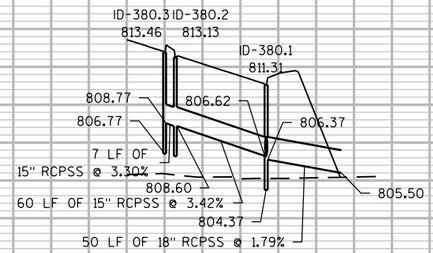
PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	STORM SEWER: WAUKESHA BYPASS	SHEET E

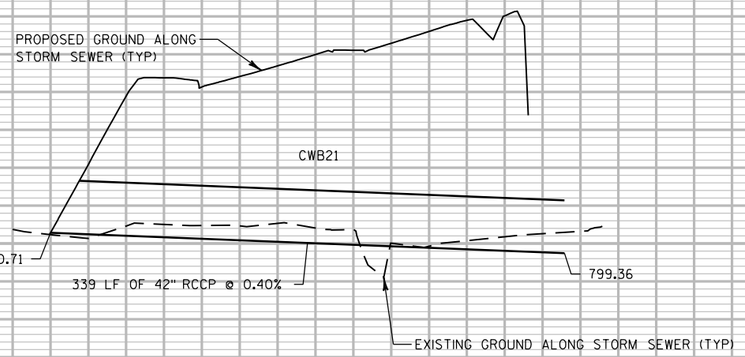
PRE_44

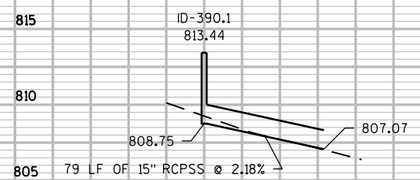


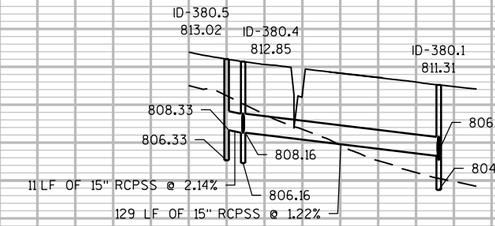


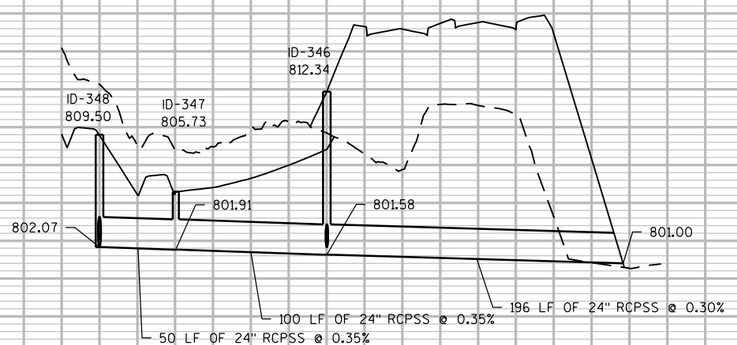


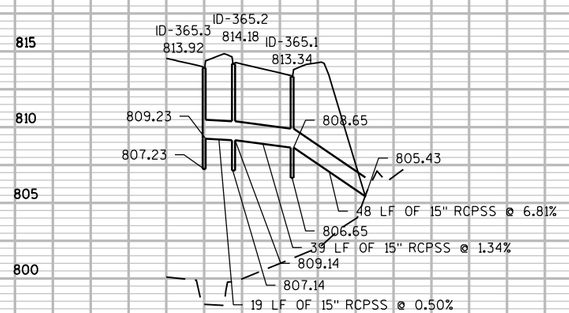


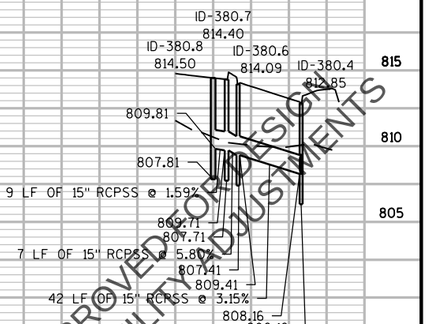








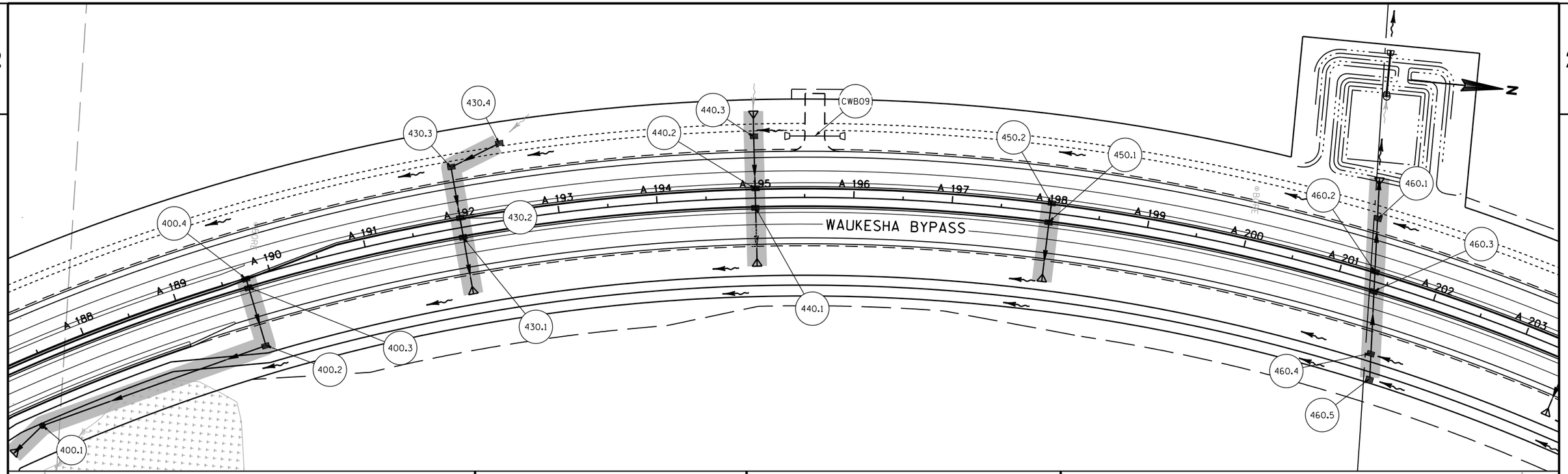


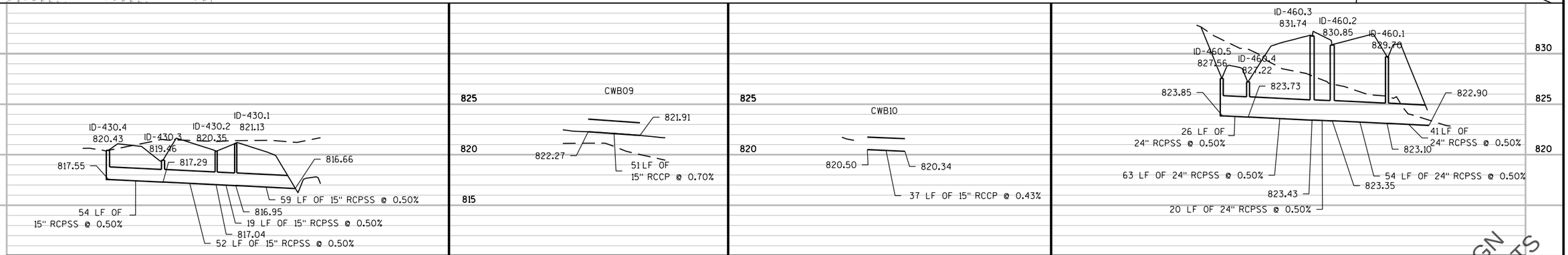


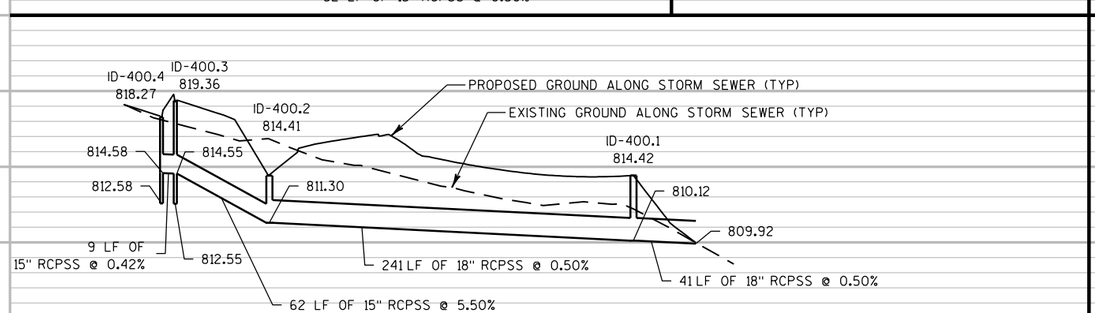
APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS

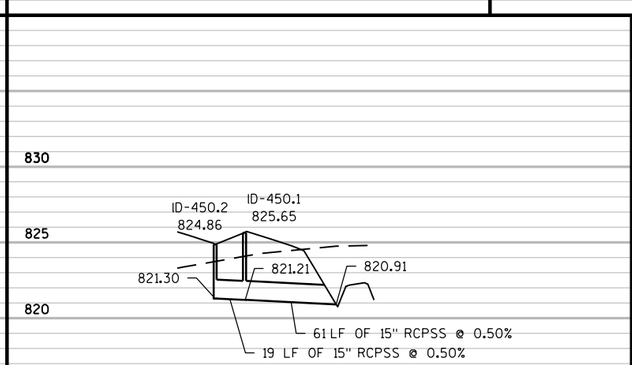
PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	STORM SEWER: WAUKESHA BYPASS	SHEET	E

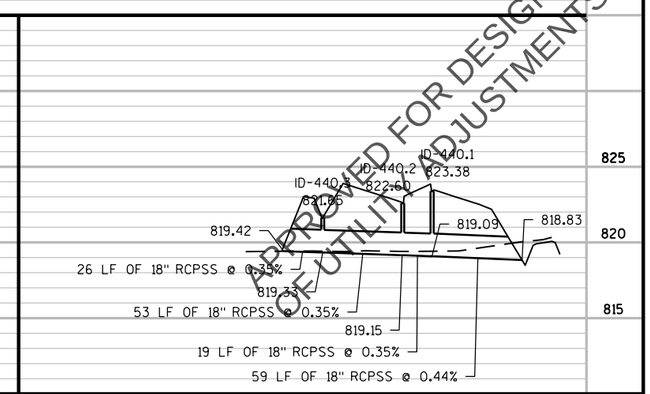
FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_022506a_ss.dgn PLOT DATE : 4/11/2016 11:31:00 AM PLOT BY : lzidek PLOT NAME : PLOT SCALE : 100:1
WISDOT/CADDS SHEET 40







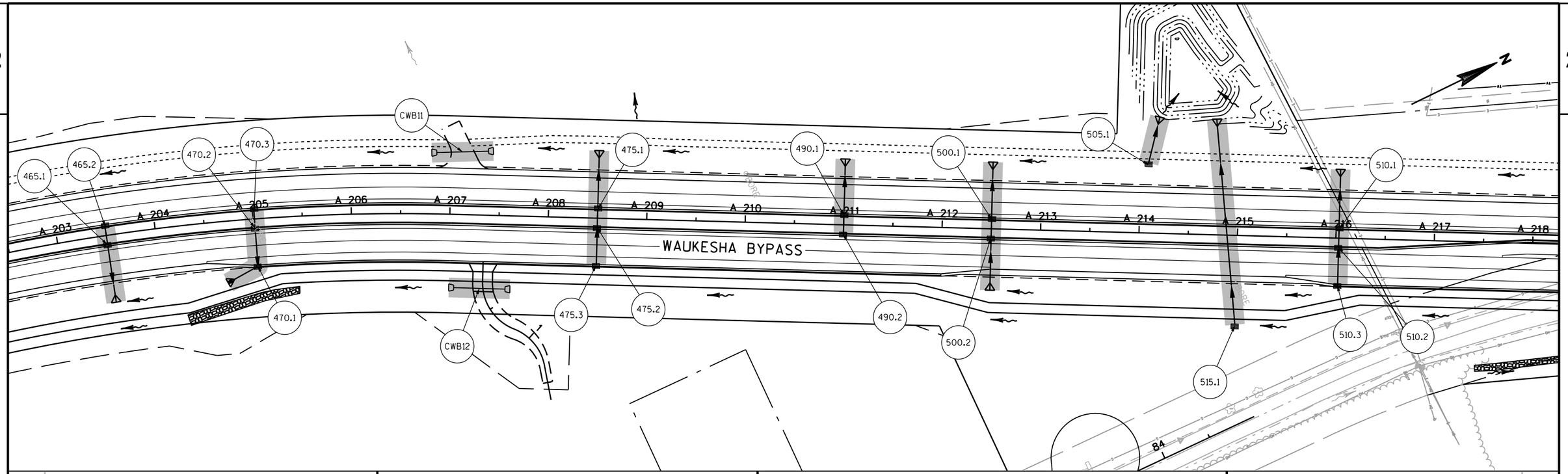


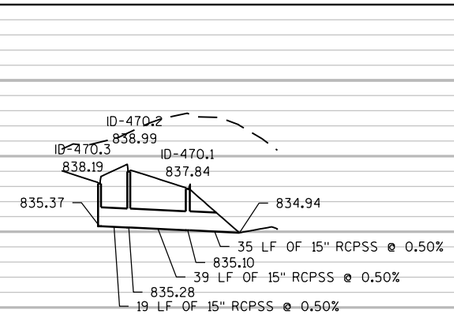


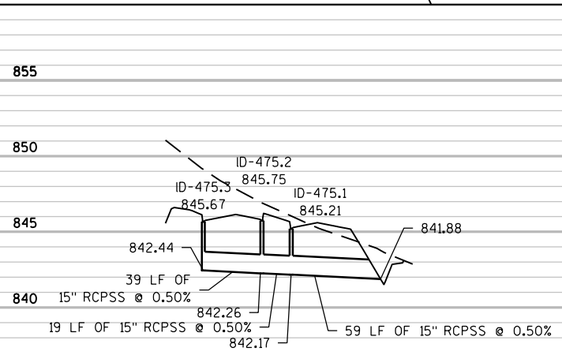
APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS

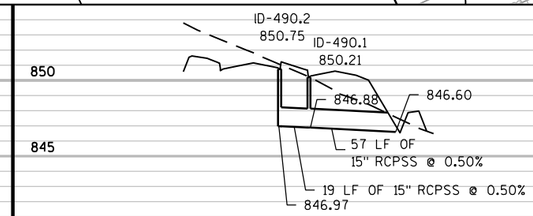
PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	STORM SEWER: WAUKESHA BYPASS	SHEET E

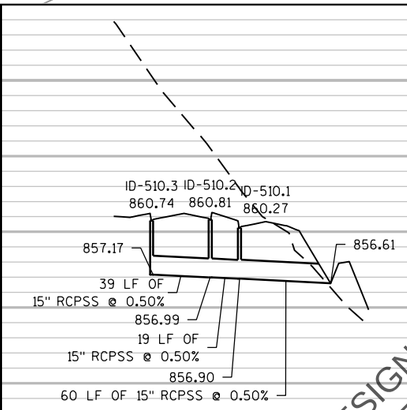
FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_022507_ss.dgn PLOT DATE : 4/11/2016 11:31:04 AM PLOT BY : lzidek PLOT NAME : $FILE$ PLOT SCALE : 100:1
WISDOT/CADDS SHEET 41

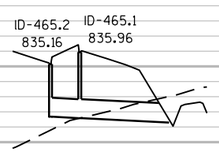


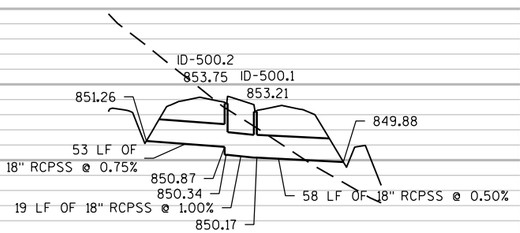


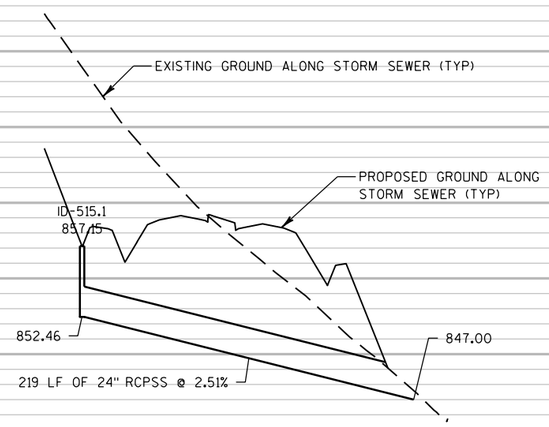


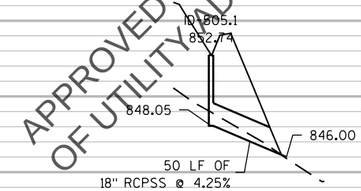












APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	STORM SEWER: WAUKESHA BYPASS	SHEET E

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_022508_ss.dgn PLOT DATE : 4/11/2016 11:31:07 AM PLOT BY : lzidek PLOT NAME : $FILE$ PLOT SCALE : 100:1

5

850

845

840

CWB11

840.72

840.93

53 LF OF 18" RCCP @ 0.39%

855

850

845

840

CWB12

841.94

843.13

52 LF OF 18" RCCP @ 2.29%

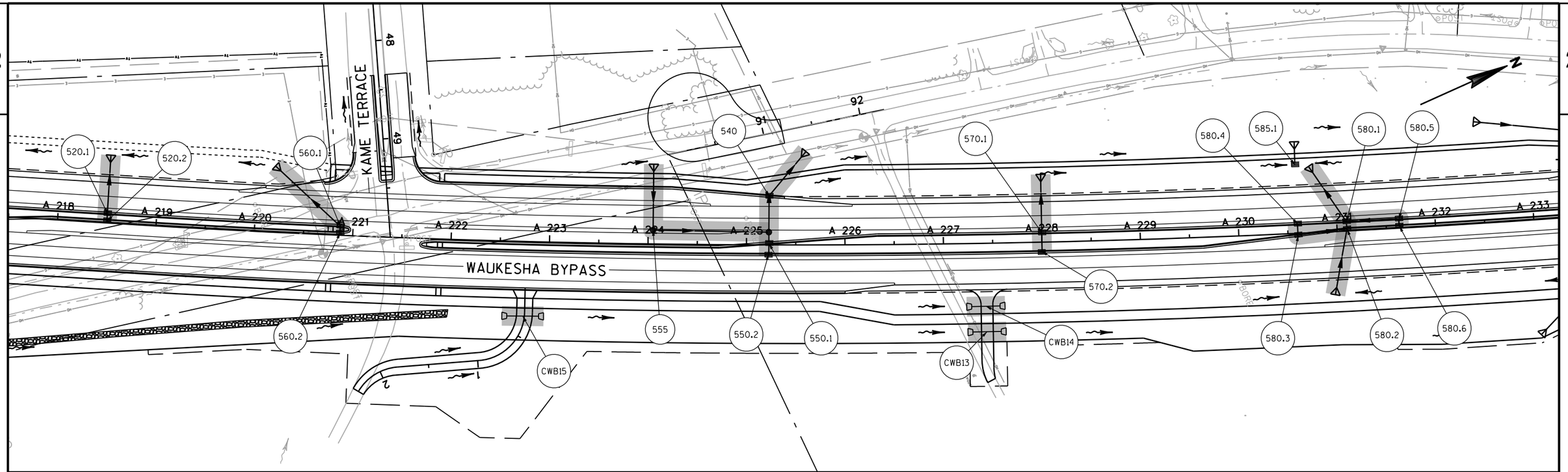
APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS

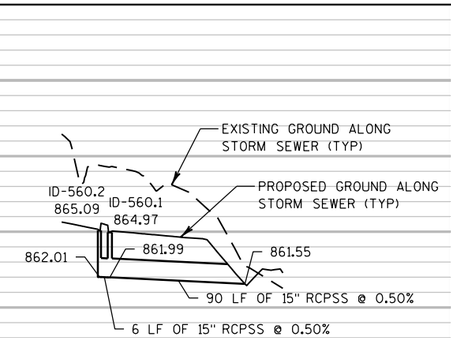
PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	STORM SEWER: WAUKESHA BYPASS	SHEET	E

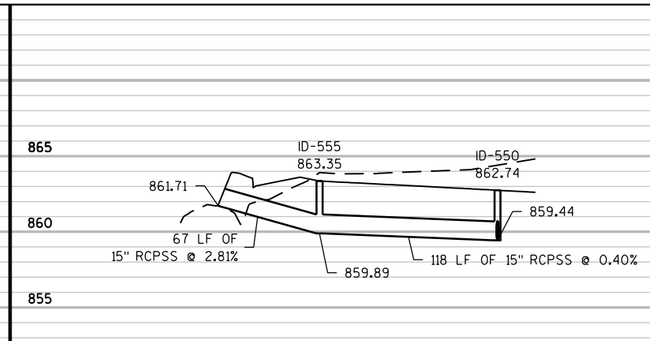
PRE_48

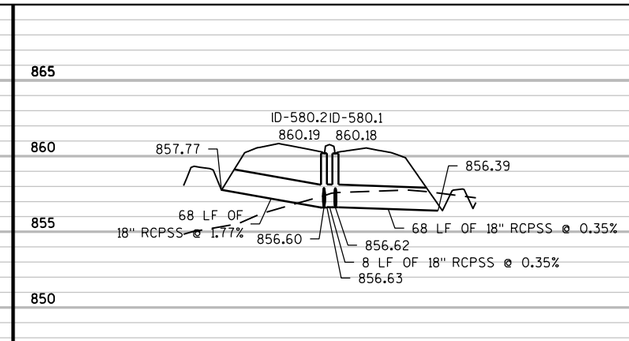
FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_022508a_ss.dgn PLOT DATE : 4/11/2016 11:31:09 AM PLOT BY : lzidek PLOT NAME : PLOT SCALE : 100:1

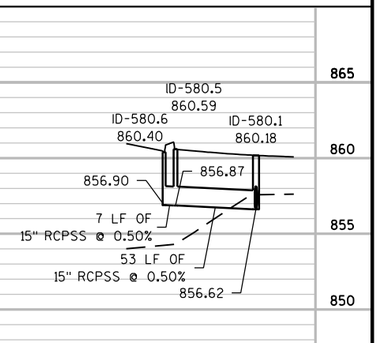
WISDOT/CADDS SHEET 40

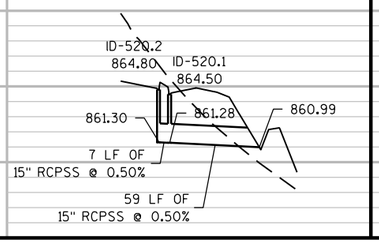


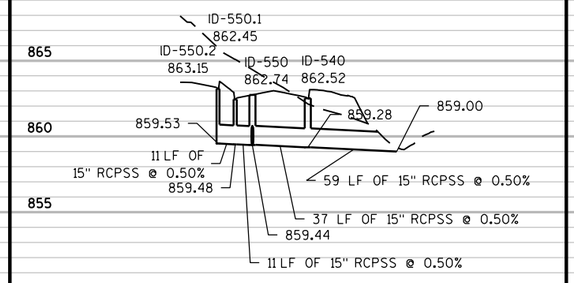


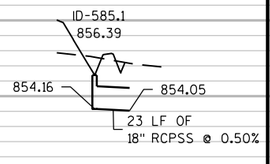


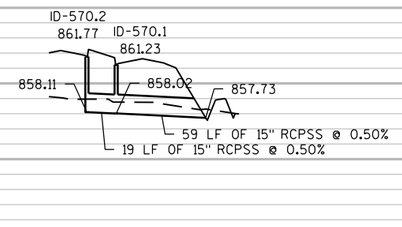


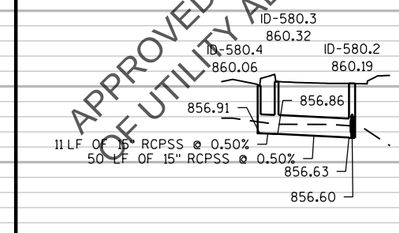












APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	STORM SEWER: WAUKESHA BYPASS	SHEET	E

PRE_49

875
870
865
860

CWB15

864.41
32 LF OF 24" RCCP @ 0.79%
864.66

865
860
855

CWB14

859.48
859.34
29 LF OF 15" RCCP @ 0.48%

865
860
855

CWB13

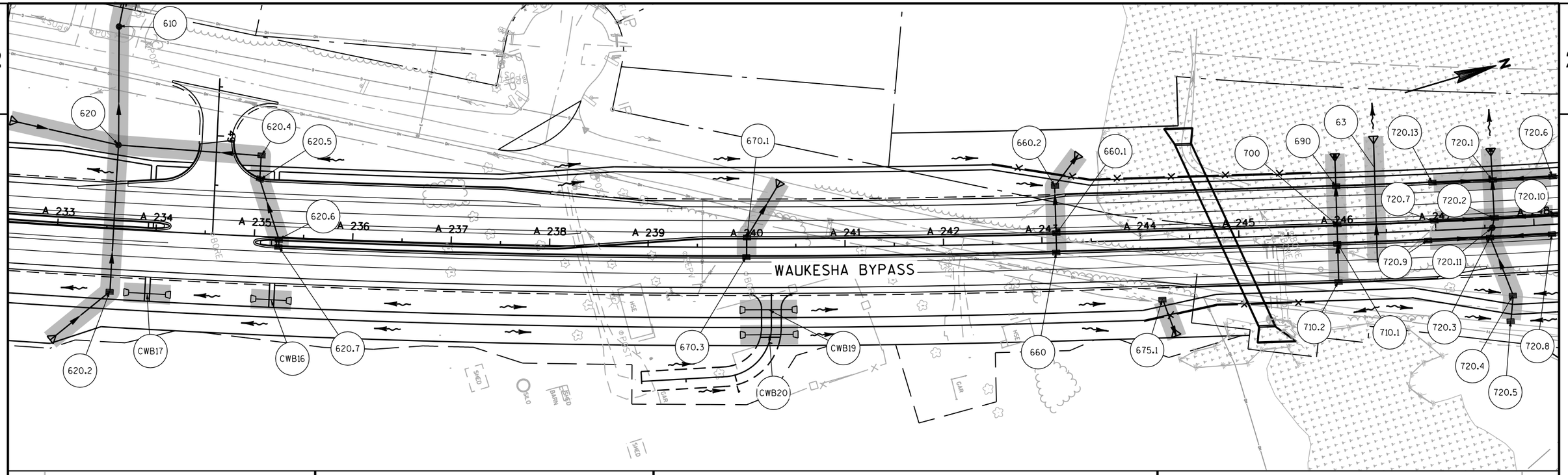
859.50
859.35
29 LF OF 24" RCCP @ 0.53%

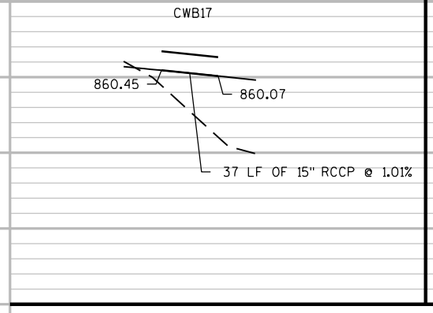
APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS

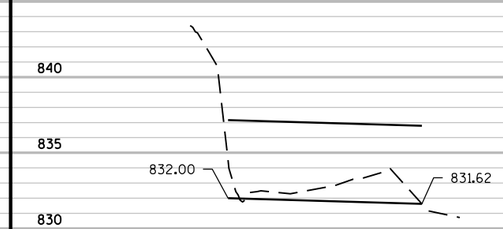
5

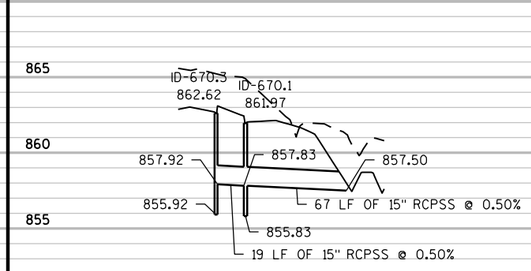
PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	STORM SEWER: WAUKESHA BYPASS	SHEET E

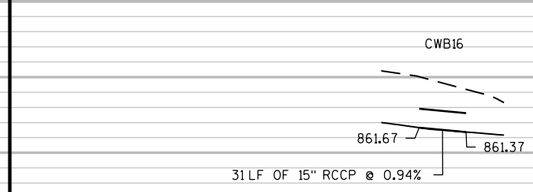
PRE_50

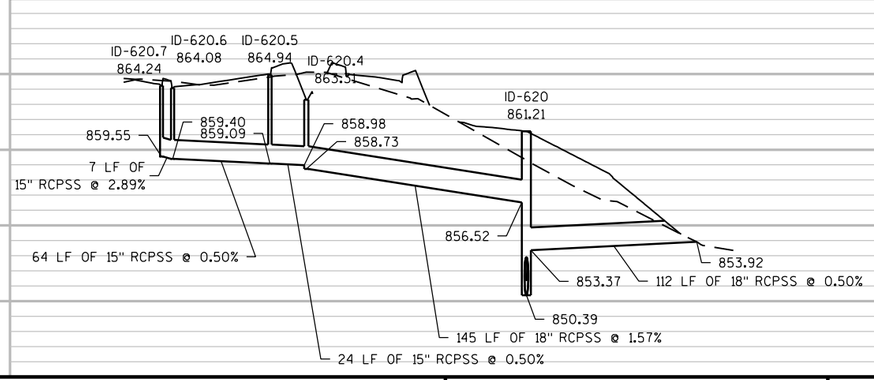


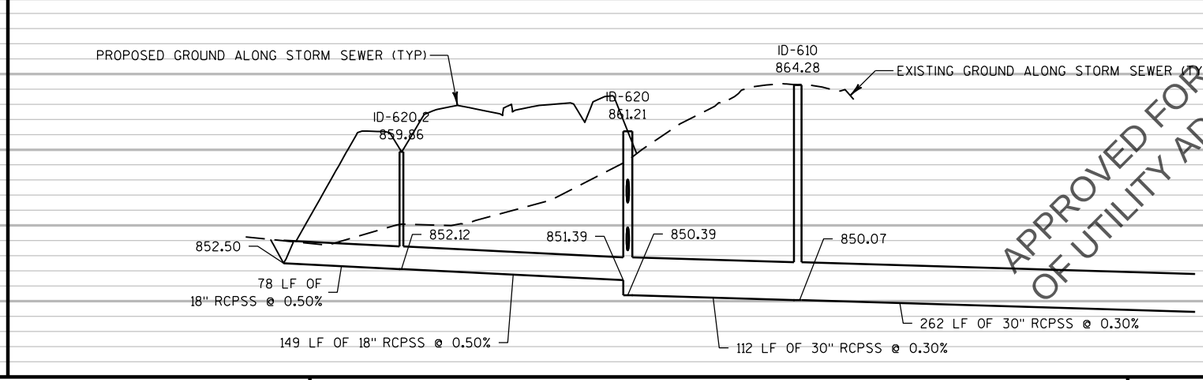










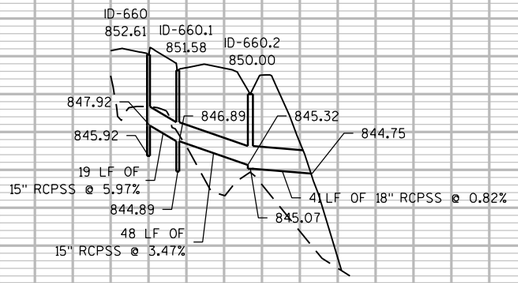


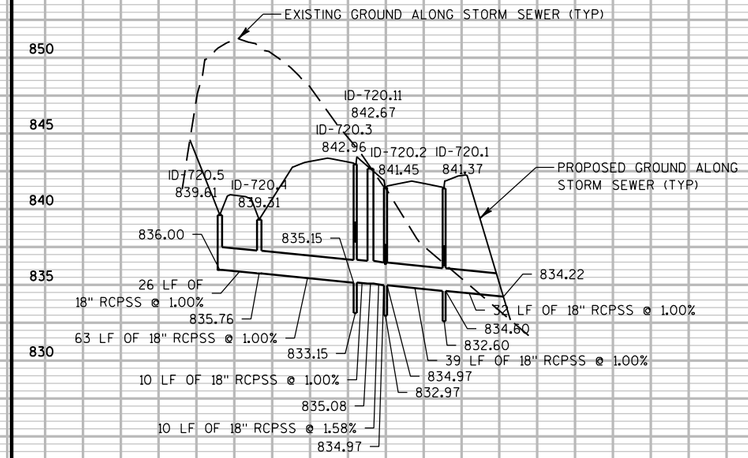
APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS

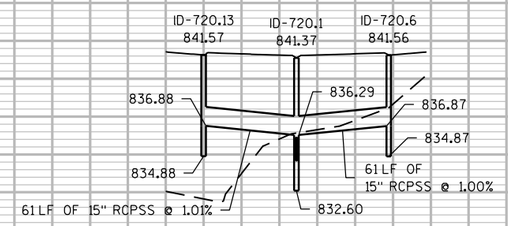
PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	STORM SEWER: WAUKESHA BYPASS	SHEET E

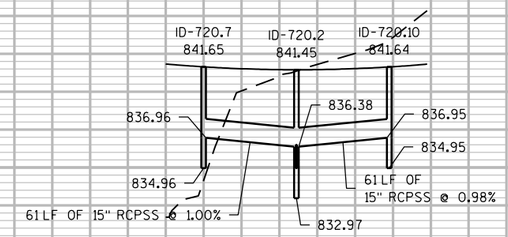
PRE_51

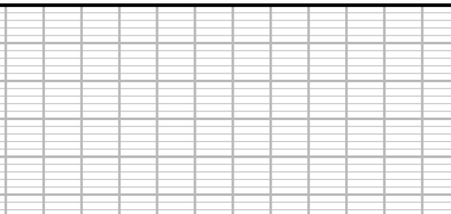
FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_022510_ss.dgn PLOT DATE : 4/11/2016 11:31:17 AM PLOT BY : lzidek PLOT NAME : $FILE$ PLOT SCALE : 100:1

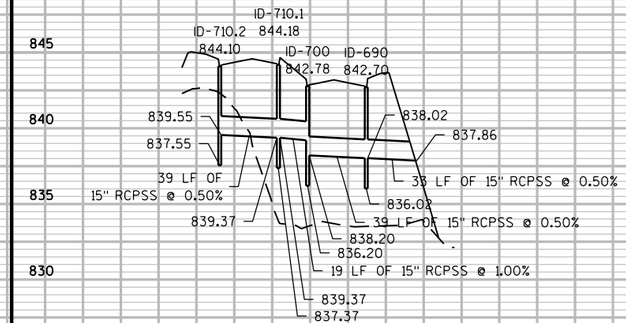


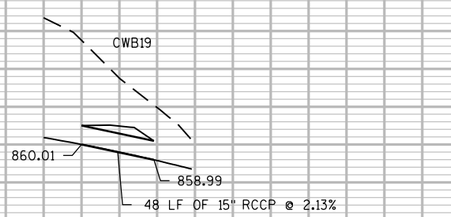


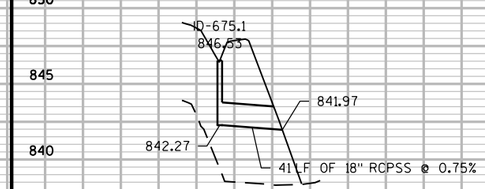


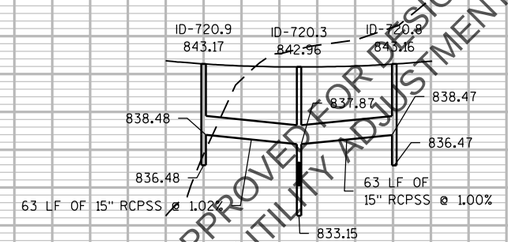








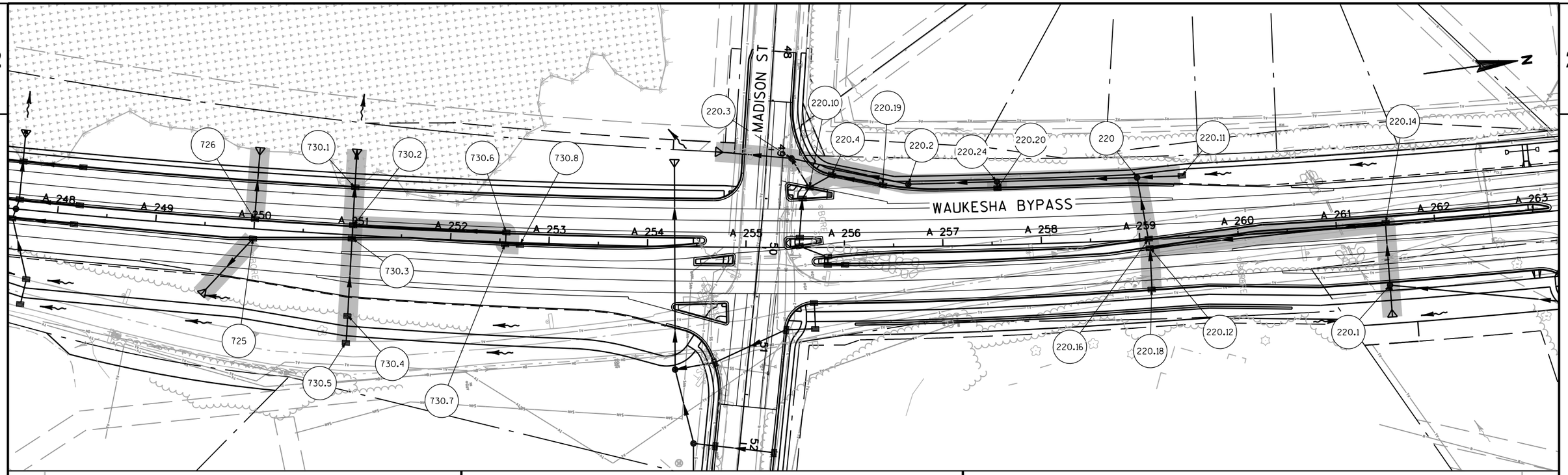


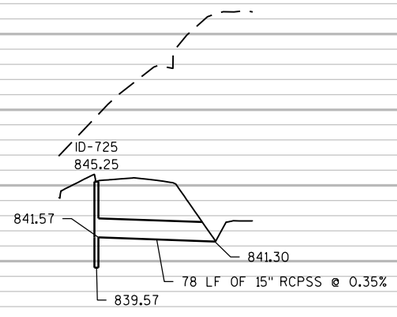


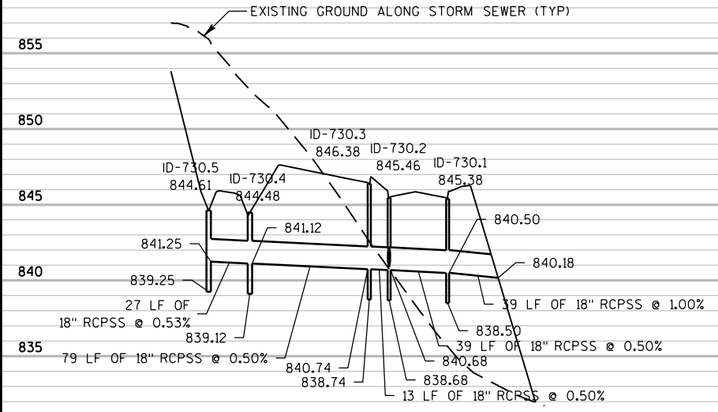
APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS

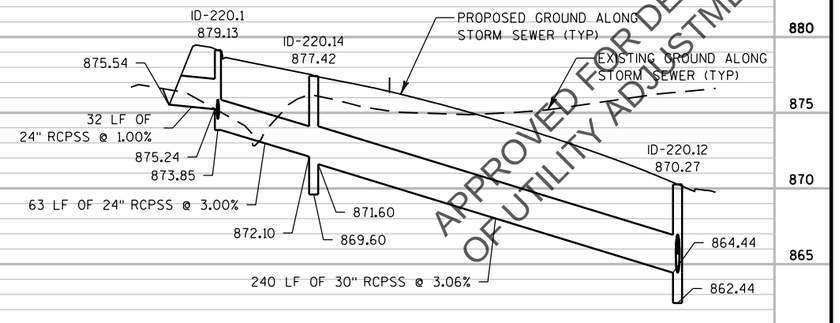
PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	STORM SEWER: WAUKESHA BYPASS	SHEET	E

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_022510a_ss.dgn PLOT DATE : 4/11/2016 11:31:20 AM PLOT BY : lzidek PLOT NAME : PLOT SCALE : 100:1
WISDOT/CADDS SHEET 40







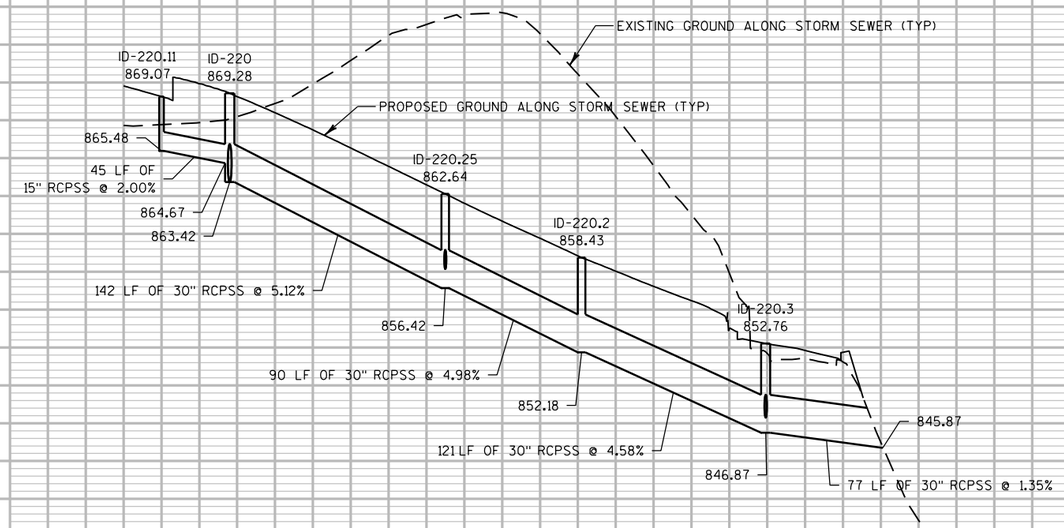


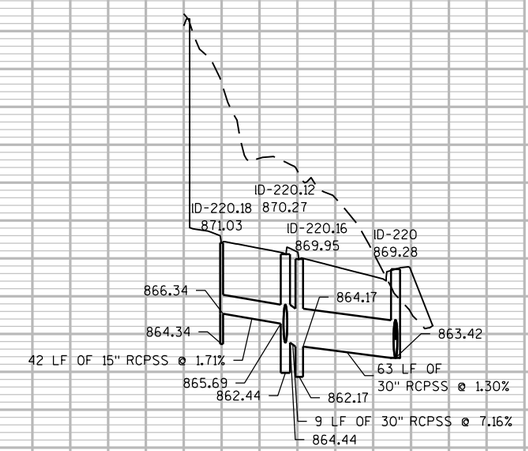
APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS

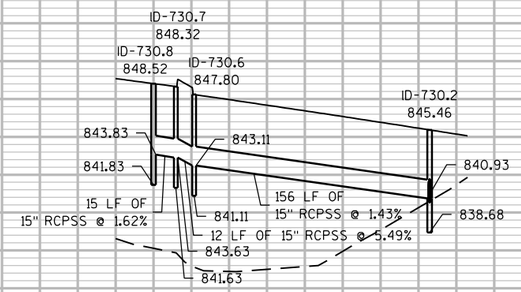
PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	STORM SEWER: WAUKESHA BYPASS	SHEET E

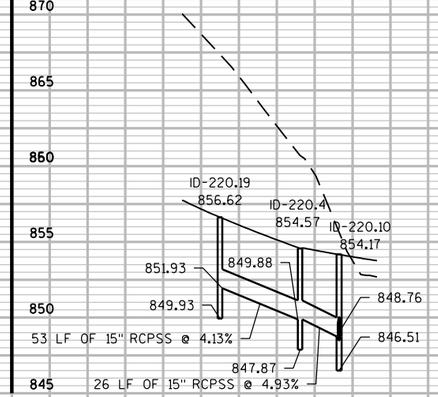
PRE_53

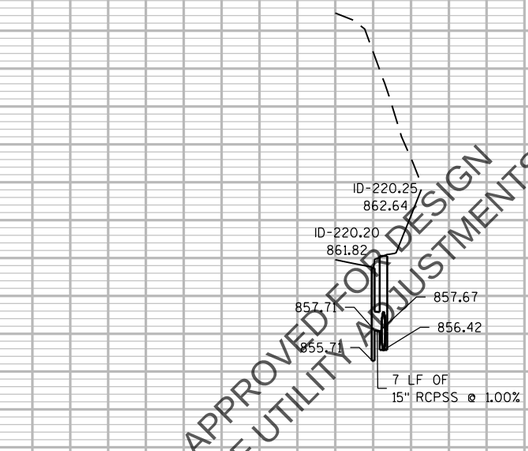
FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_022511_ss.dgn PLOT DATE : 4/11/2016 11:31:23 AM PLOT BY : lzidek PLOT NAME : $FILE$ PLOT SCALE : 100:1







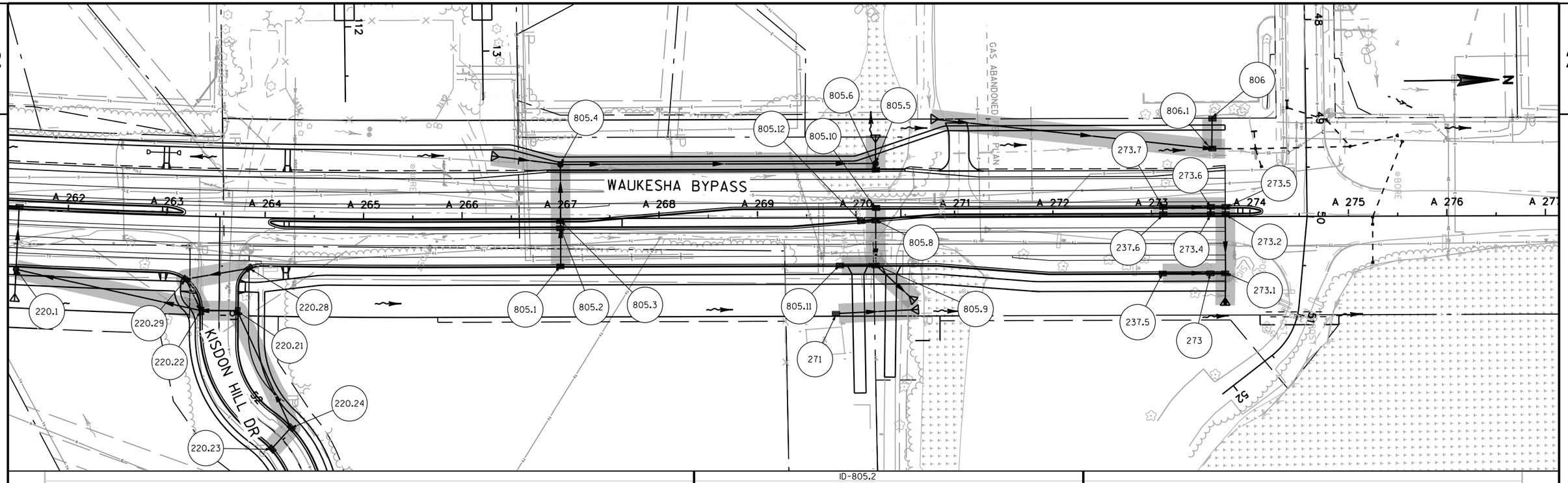


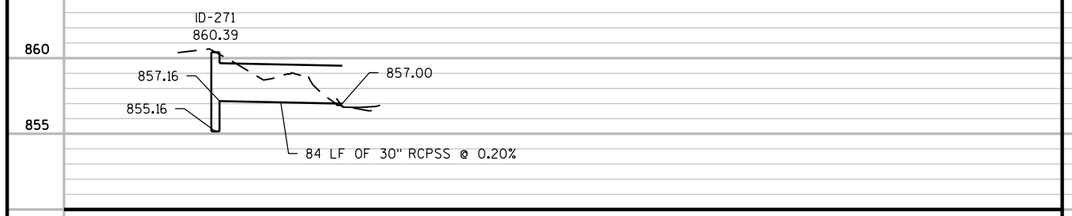


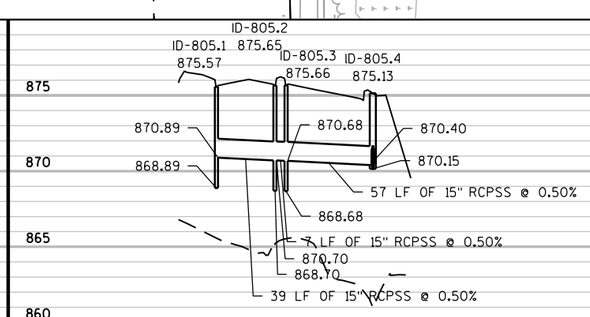
APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS

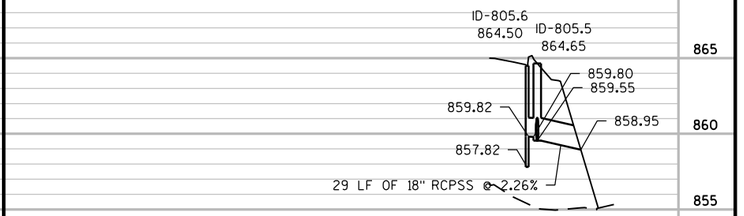
PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	STORM SEWER: WAUKESHA BYPASS	SHEET E

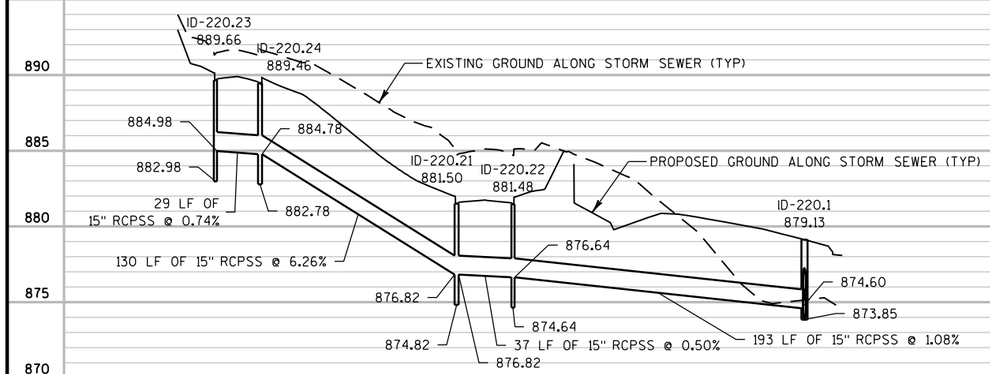
FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_022511a_ss.dgn PLOT DATE : 4/11/2016 11:31:25 AM PLOT BY : lzidek PLOT NAME : PLOT SCALE : 100:1
WISDOT/CADDS SHEET 40

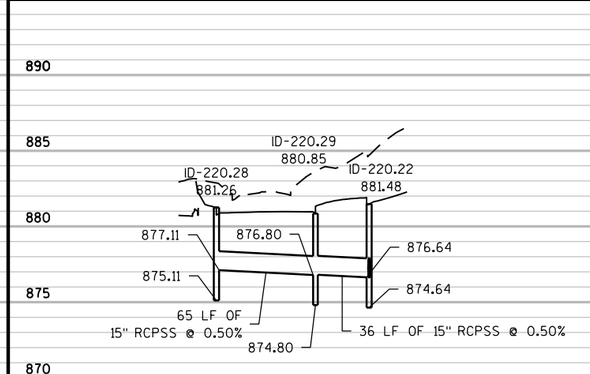


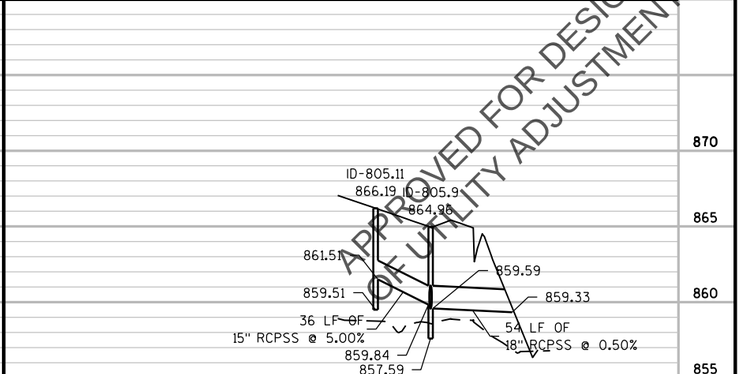








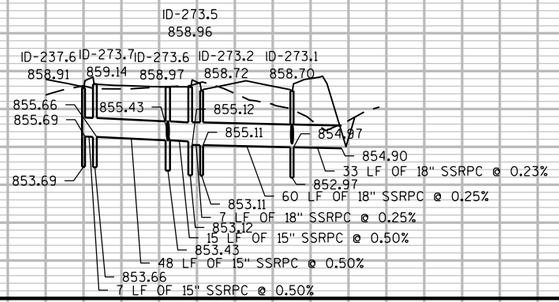


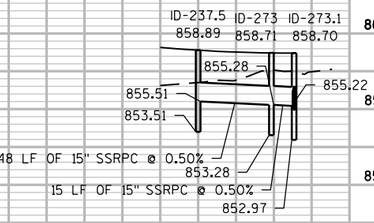


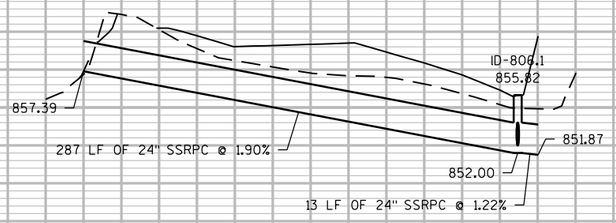
APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS

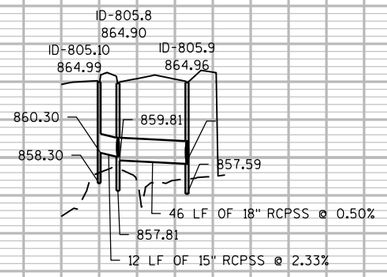
PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	STORM SEWER: WAUKESHA BYPASS	SHEET E

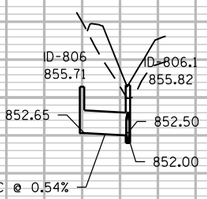
PRE_55

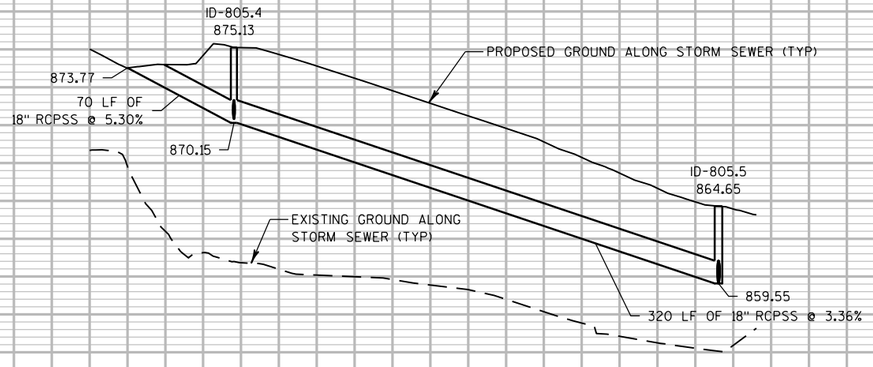


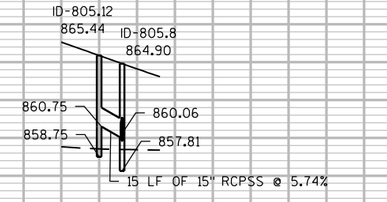


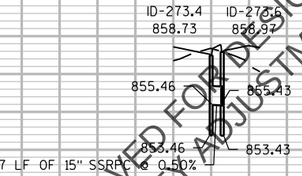








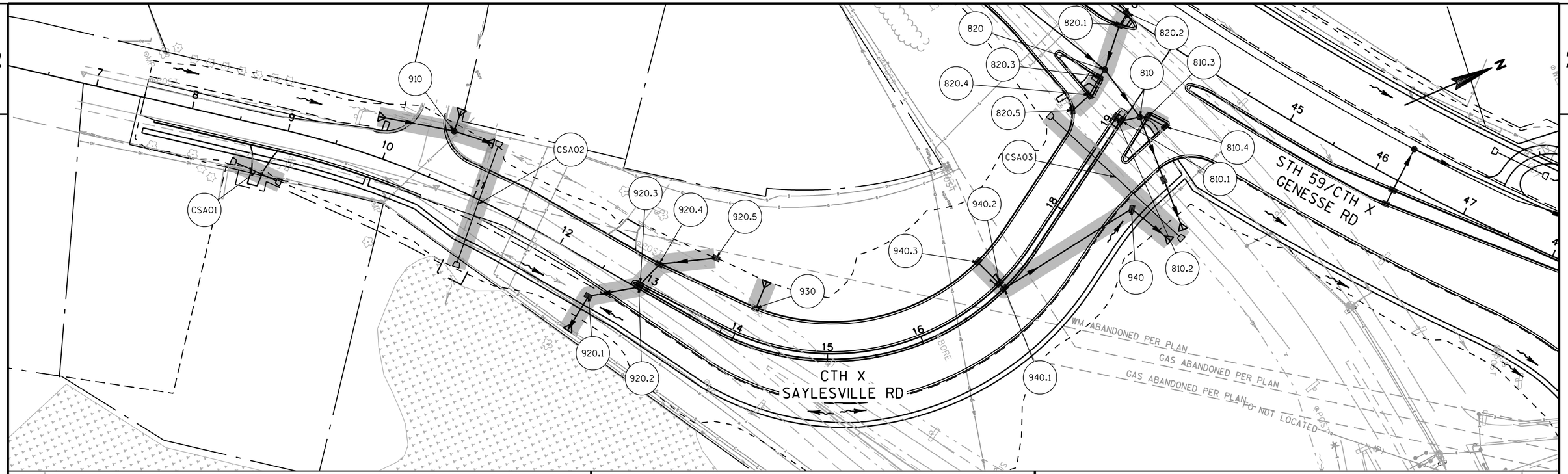


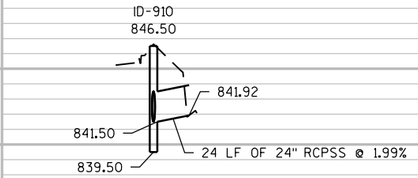


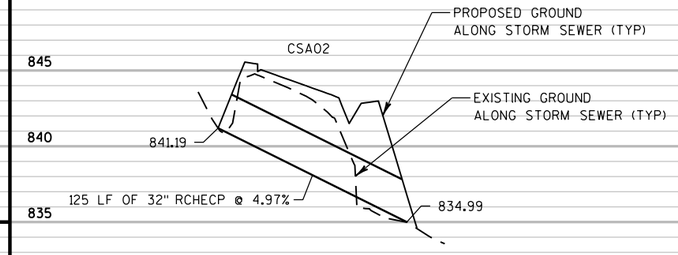
APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS

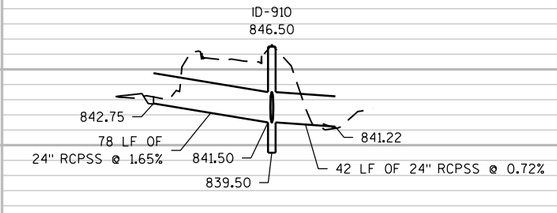
PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	STORM SEWER: WAUKESHA BYPASS	SHEET	E

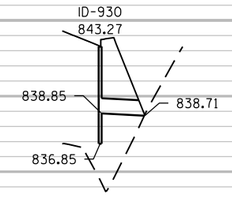
PRE_56

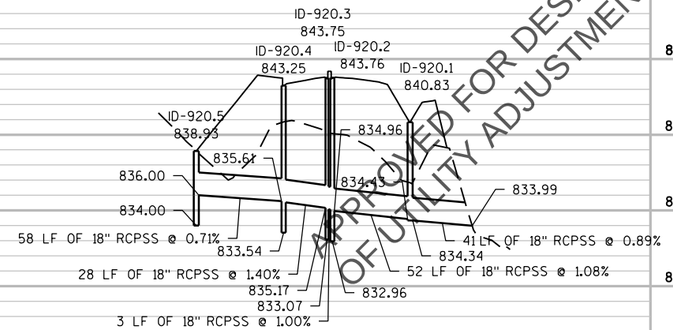








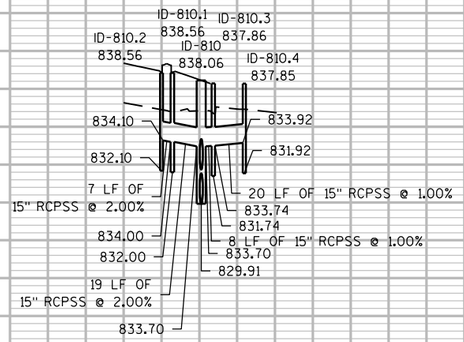


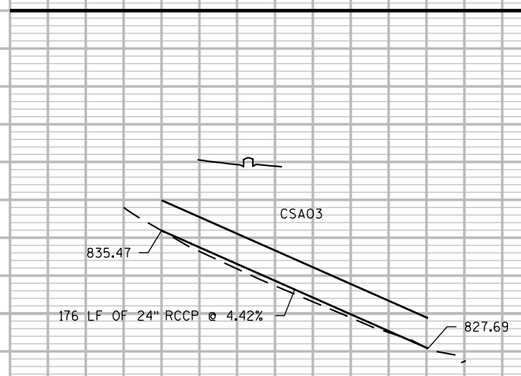


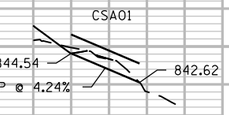
APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS

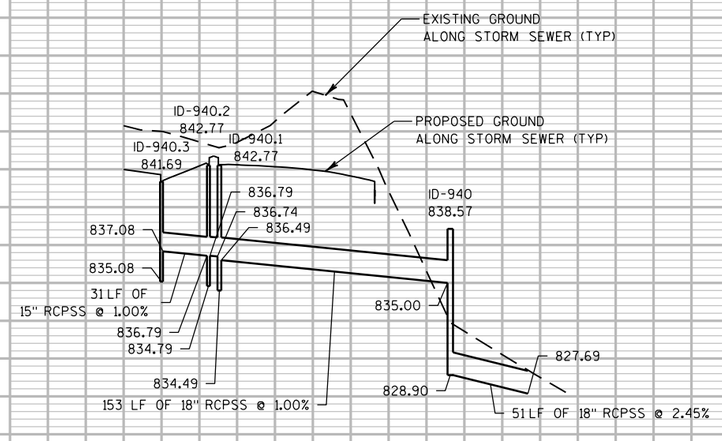
PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	STORM SEWER: SAYLESVILLE ROAD	SHEET E

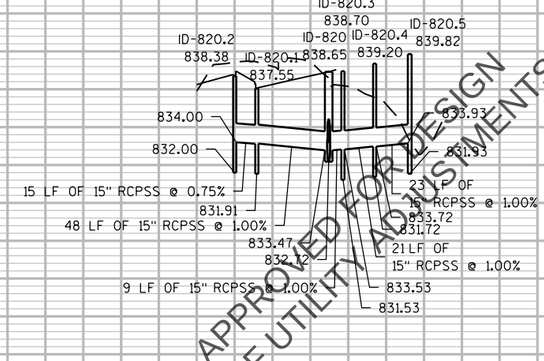
FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_022513_ss.dgn PLOT DATE : 4/11/2016 11:31:34 AM PLOT BY : lzidek PLOT NAME : $FILE$ PLOT SCALE : 100:1







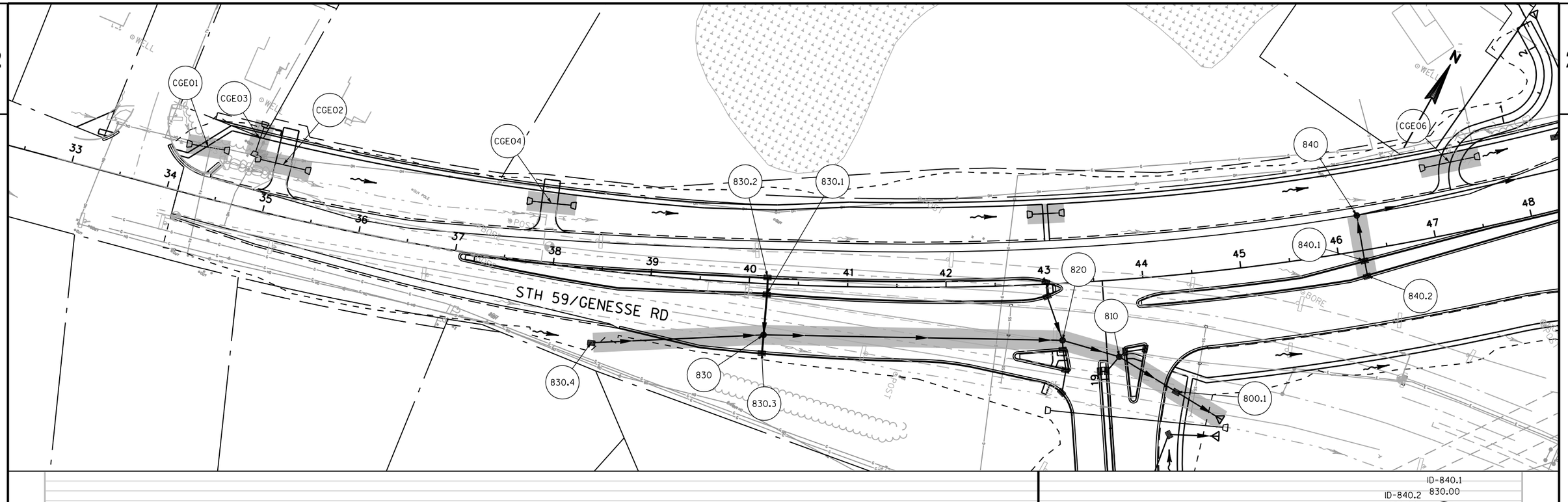


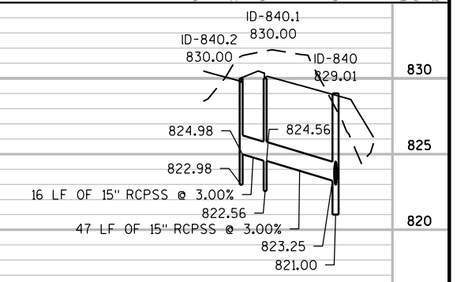


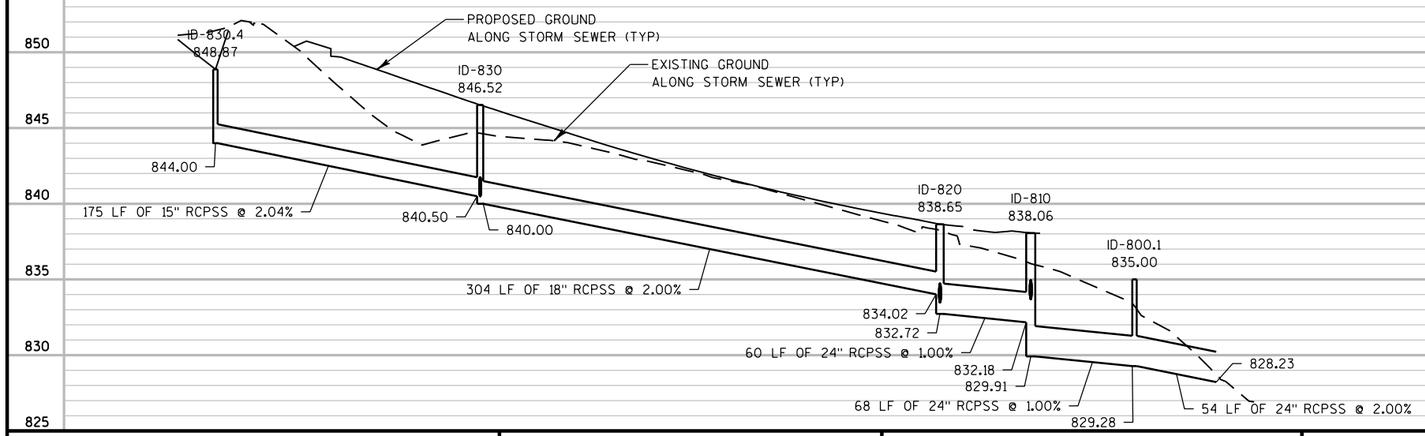
APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS

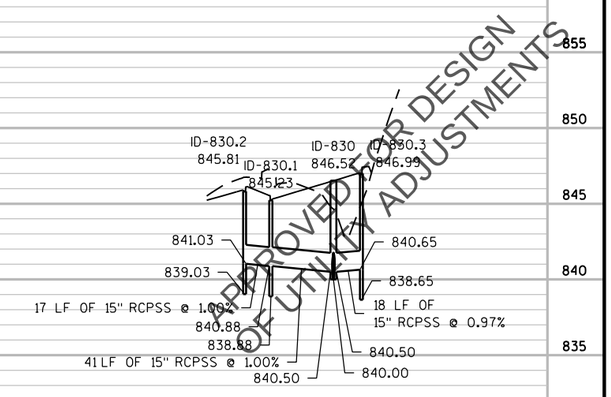
PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	STORM SEWER: SAYLESVILLE ROAD	SHEET	E

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_022513a_ss.dgn PLOT DATE : 4/11/2016 11:31:36 AM PLOT BY : lzidek PLOT NAME : PLOT SCALE : 100:1
WISDOT/CADDS SHEET 40





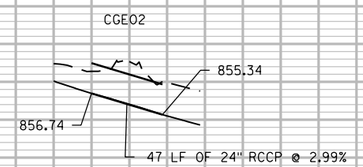


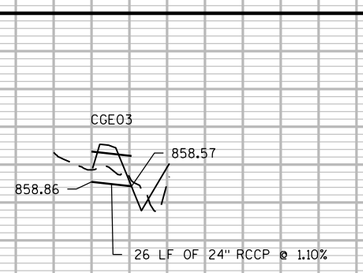


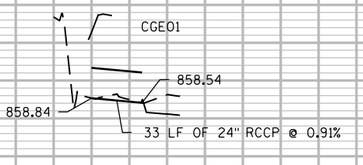
APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS

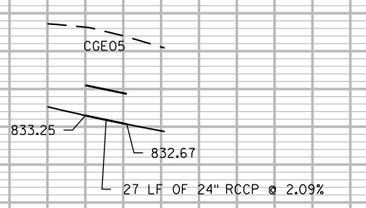
PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	STORM SEWER: GENESSE ROAD	SHEET	E

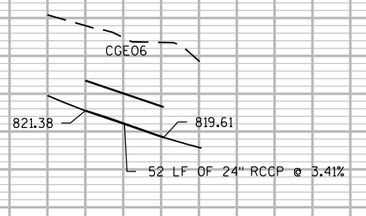
FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_022514_ss.dgn
PLOT DATE : 4/11/2016 11:31:39 AM PLOT BY : lzidek PLOT NAME : $FILE$ PLOT SCALE : 100:1
WISDOT/CADDS SHEET 41







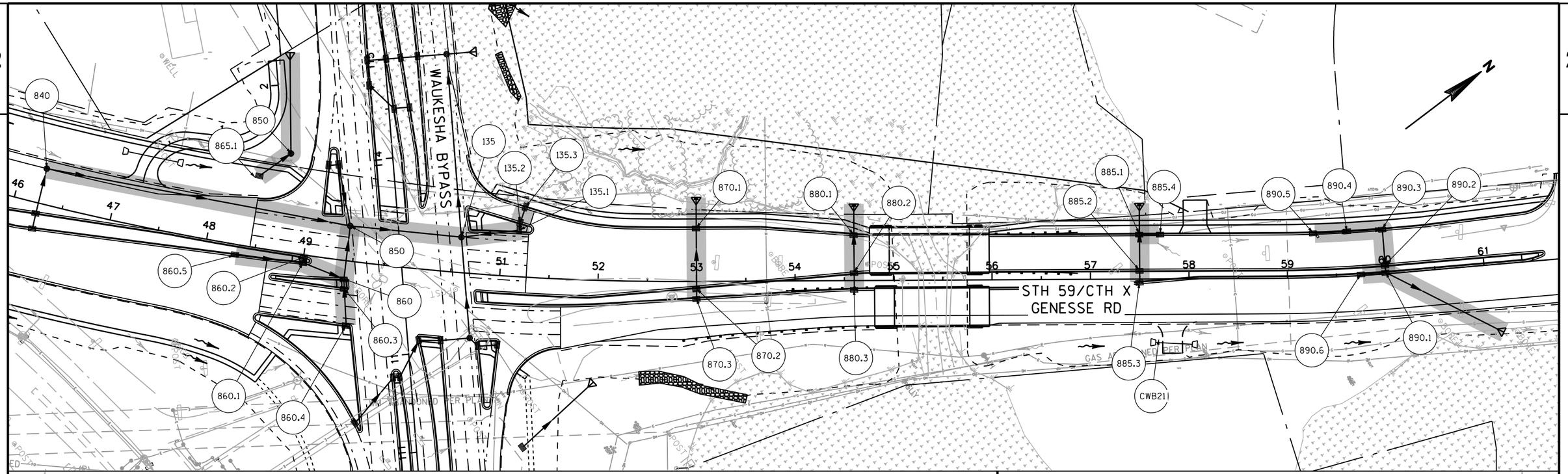


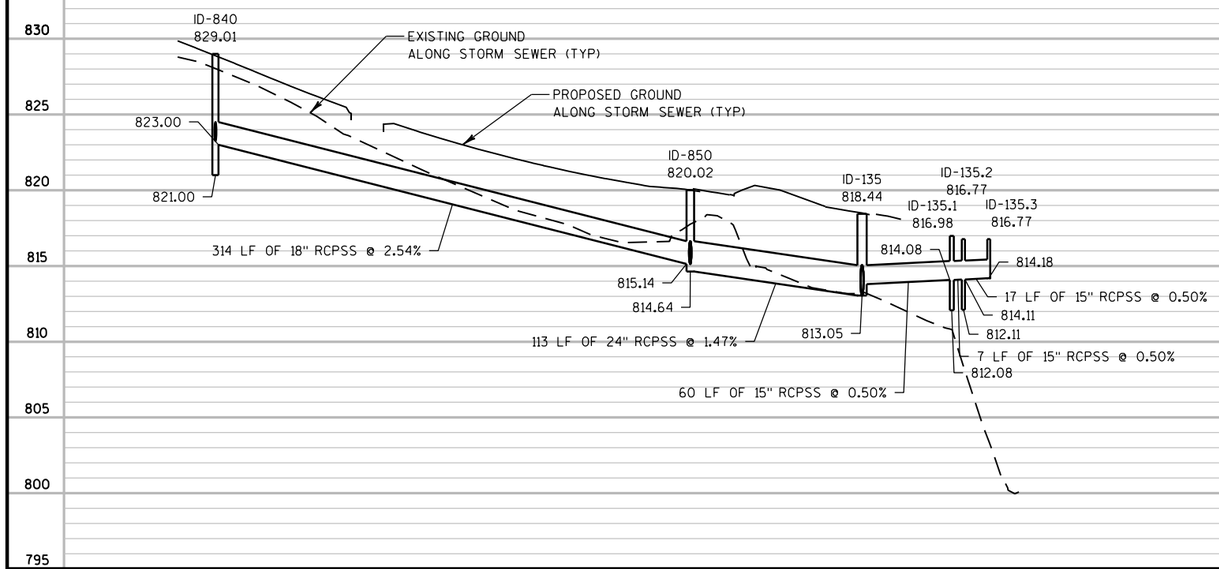


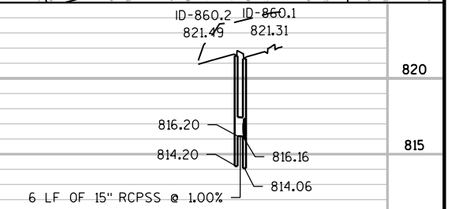
APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS

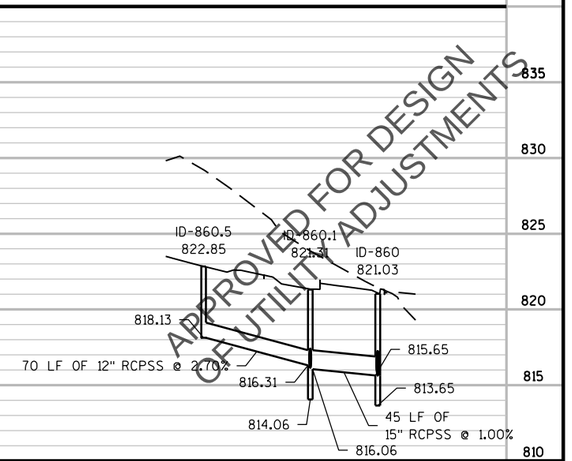
PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	STORM SEWER: SAYLESVILLE ROAD	SHEET E

PRE_60





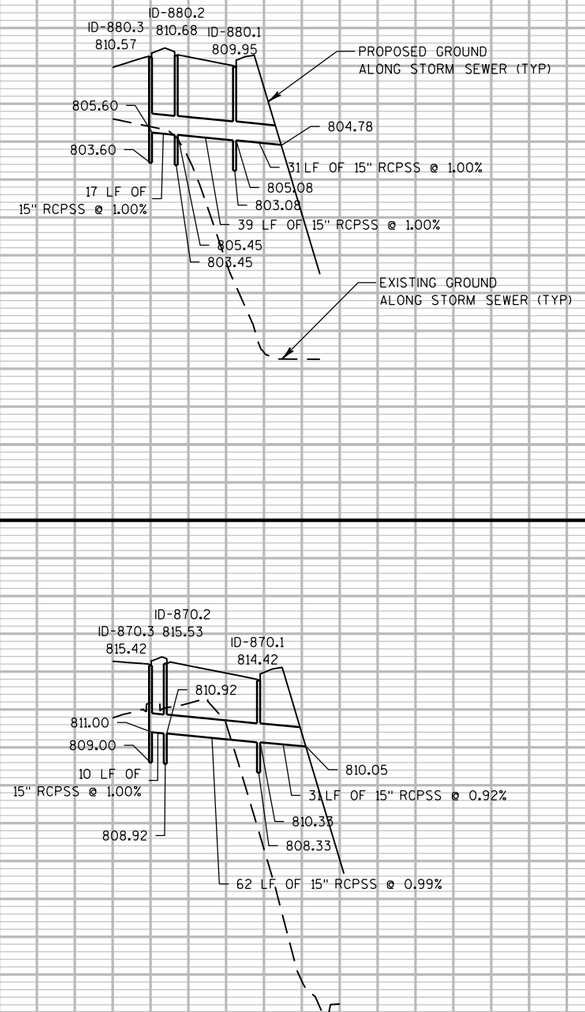


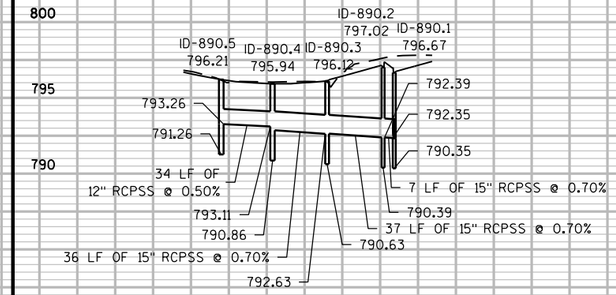


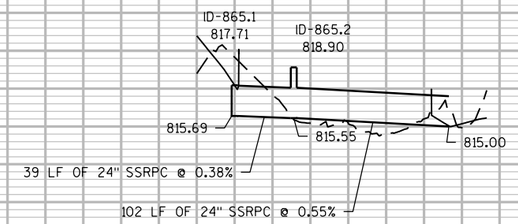
APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS

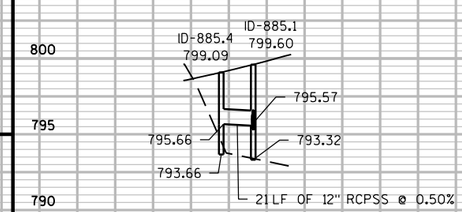
PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	STORM SEWER: GENESSE ROAD	SHEET	E

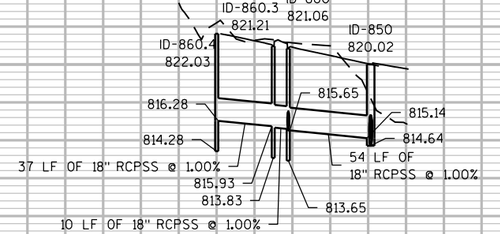
FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_022515_ss.dgn
PLOT DATE : 4/11/2016 11:31:44 AM PLOT BY : lzidek PLOT NAME : $FILE$ PLOT SCALE : 100:1
WISDOT/CADDS SHEET 41

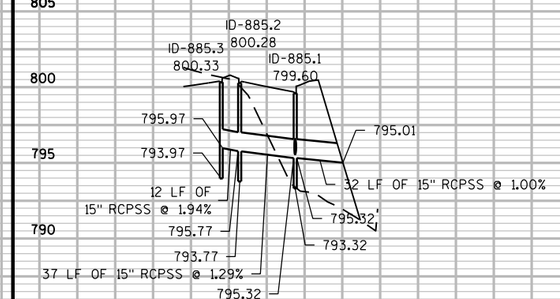


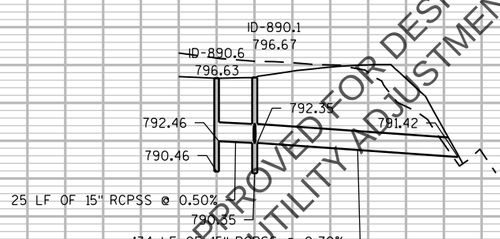








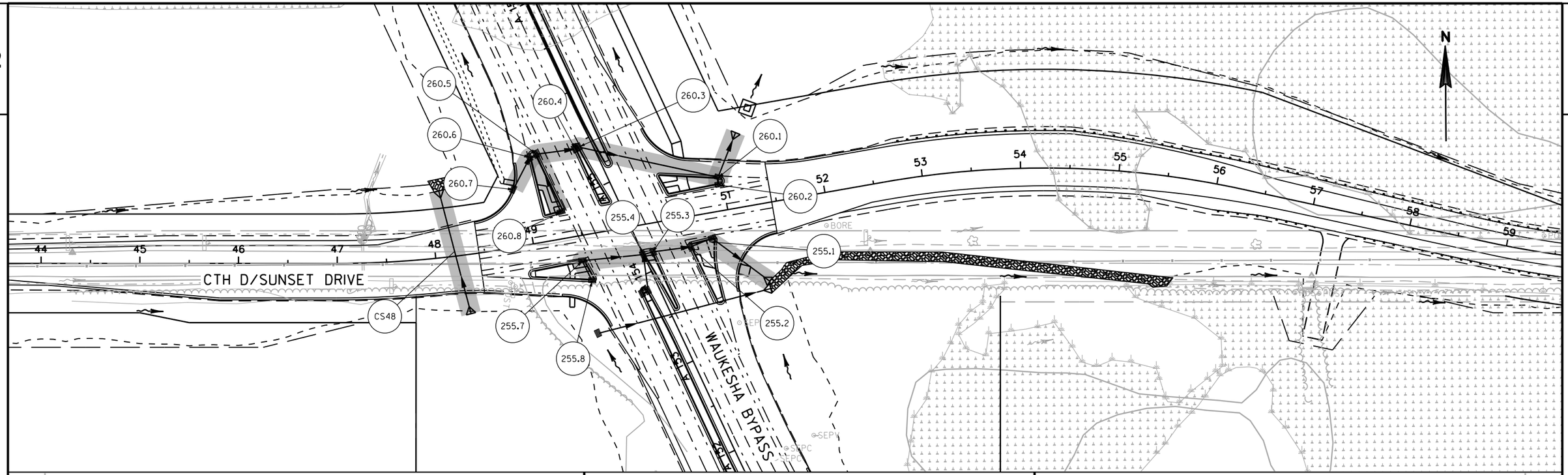


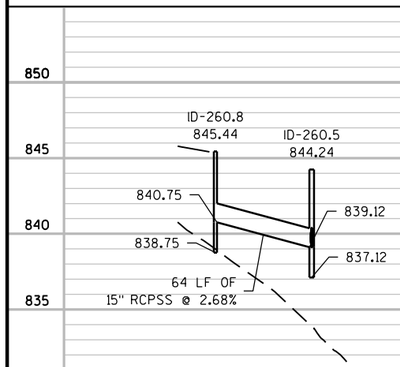


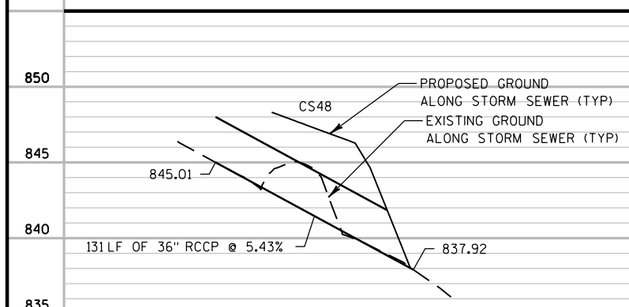
APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS

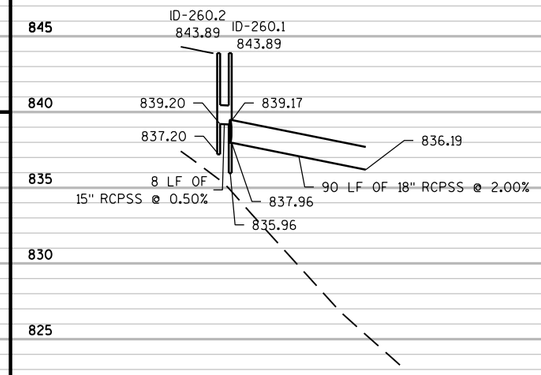
PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	STORM SEWER: GENESSE ROAD	SHEET	E

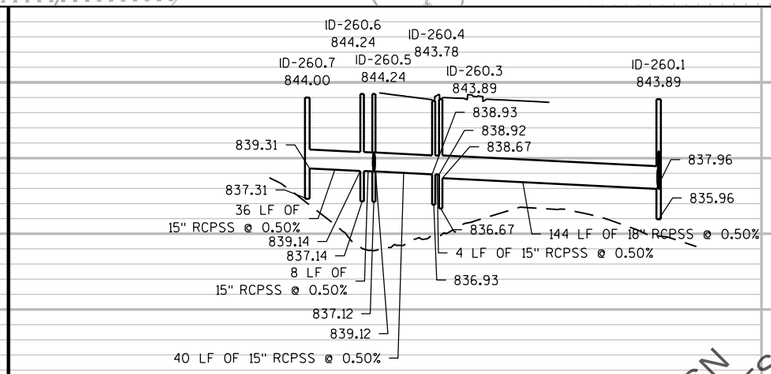
PRE_62

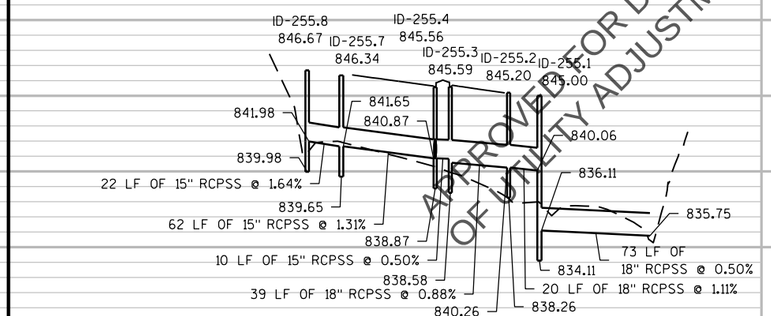








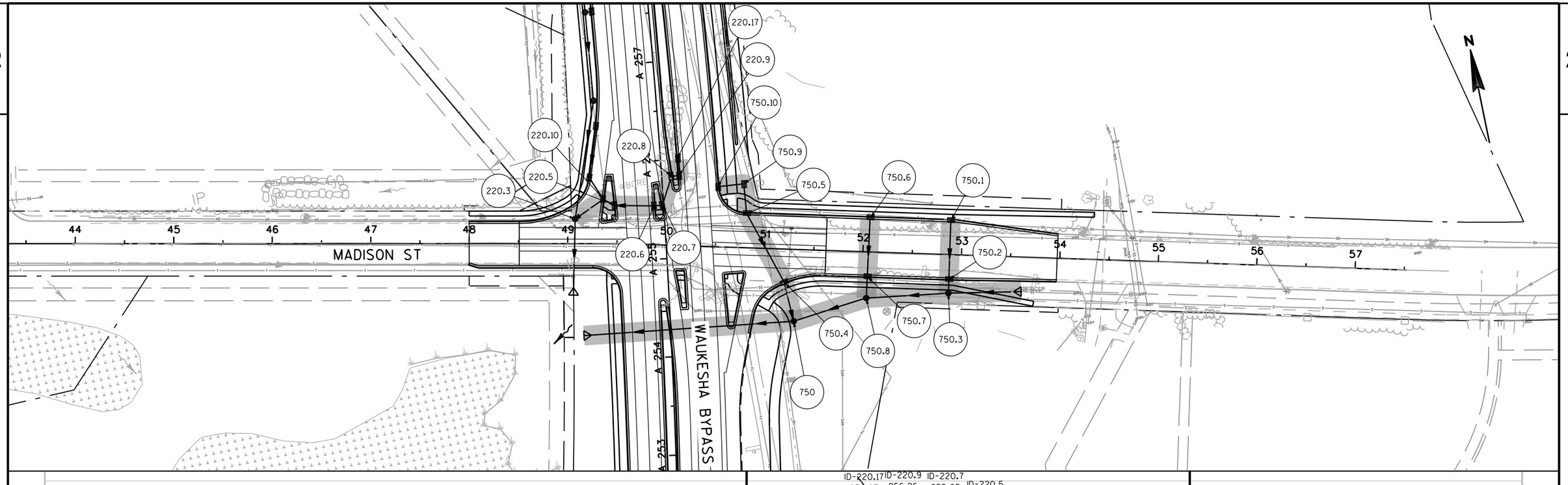


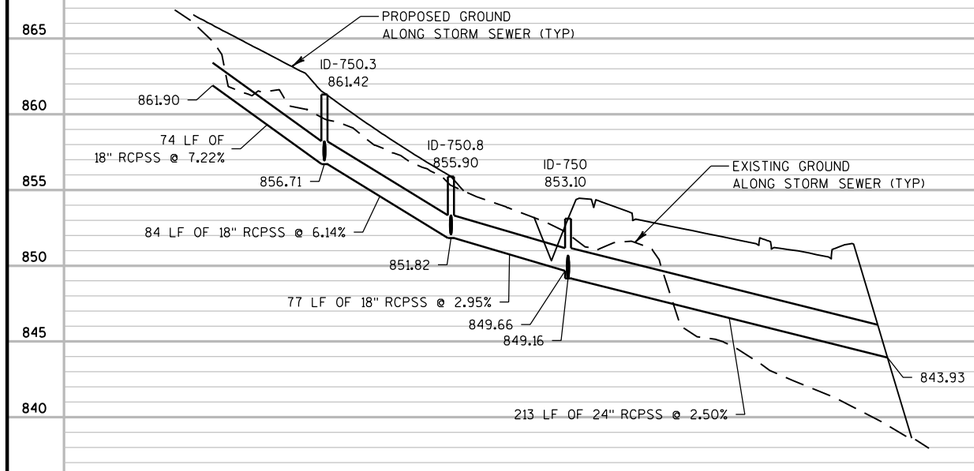


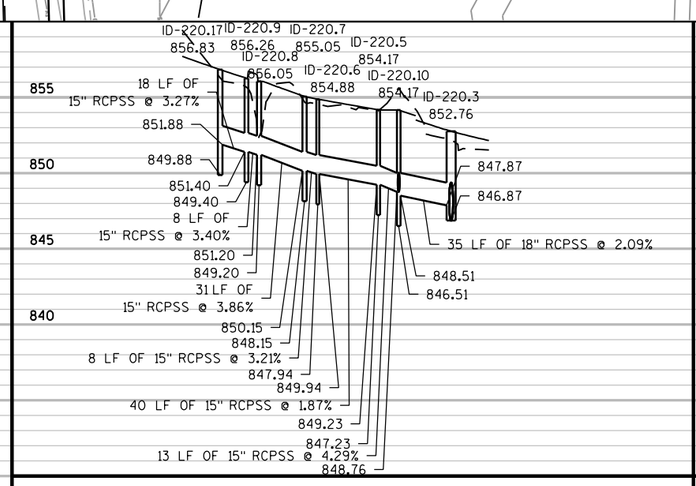
APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS

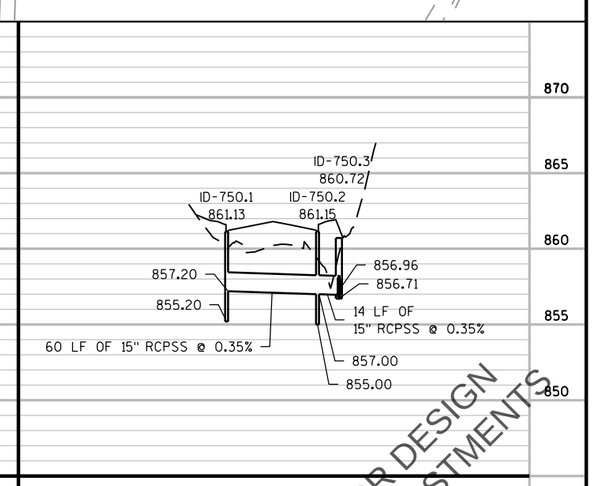
PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	STORM SEWER: SUNSET DRIVE	SHEET E

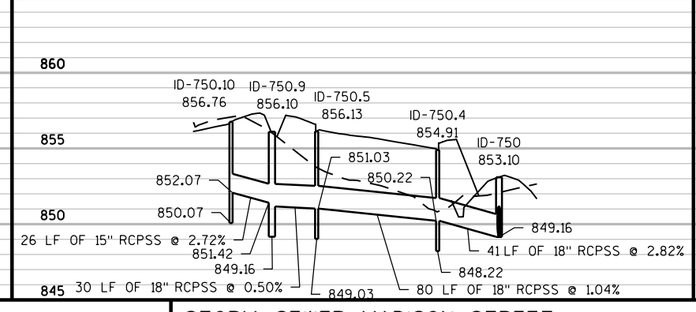
PRE_63

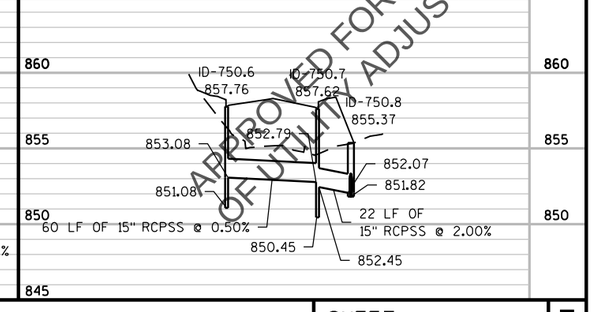












APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	STORM SEWER: MADISON STREET	SHEET	E

PRE_64

2

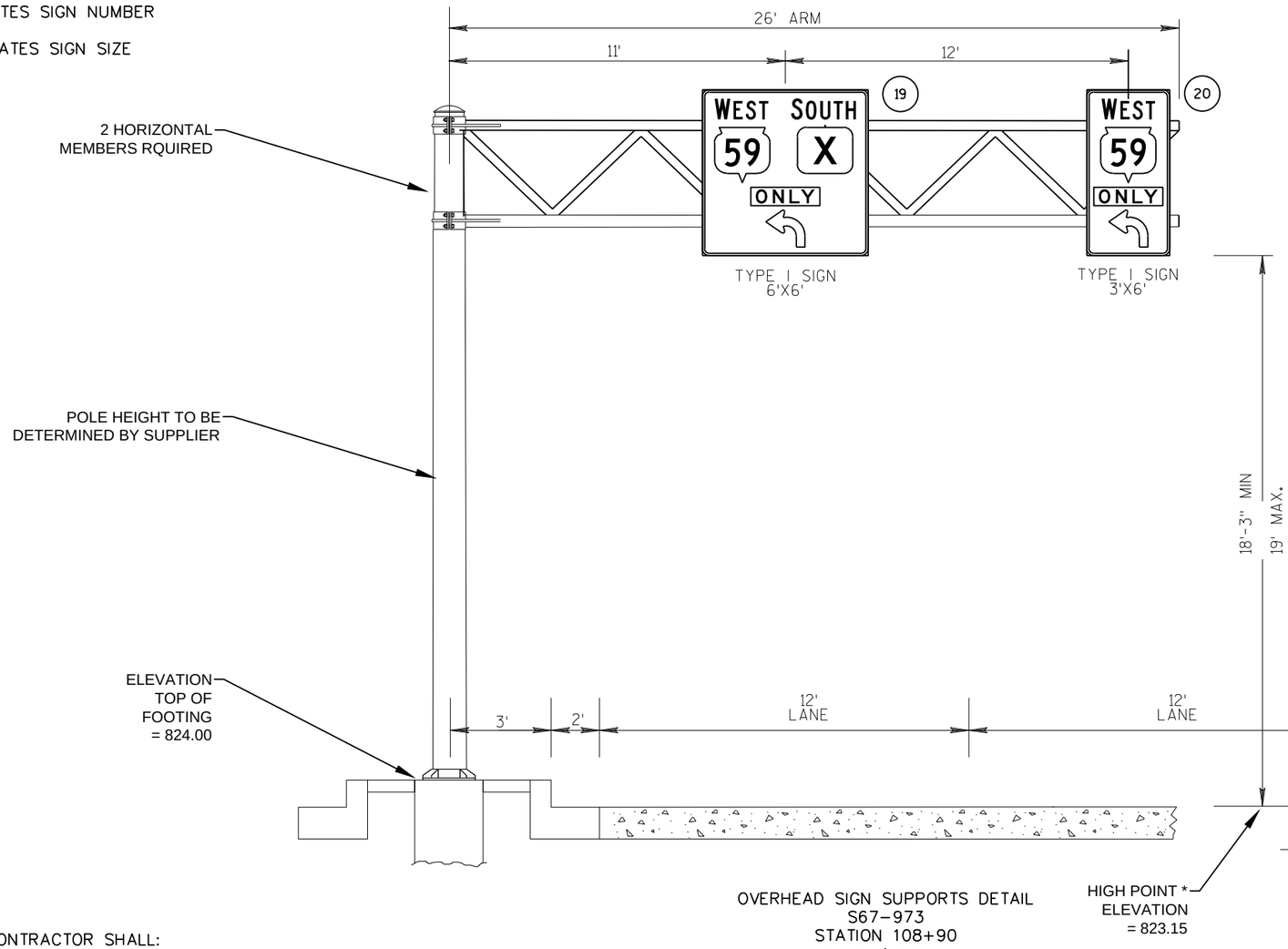
LEGEND

(XX) DENOTES SIGN NUMBER

(X) INDICATES SIGN SIZE

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

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



OVERHEAD SIGN SUPPORTS DETAIL
S67-973
STATION 108+90
US 18 / STH 59
NORTHBOUND @ CTH X
SEE SIGNING PLAN
FOR LOCATION

NOTE, CONTRACTOR SHALL:

1.) SUBMIT SHOP DRAWINGS OF OVERHEAD SIGN SUPPORT. FOOTING IS INCIDENTAL TO OVERHEAD SIGN SUPPORT.

2.) PROVIDE DESIGN CALCULATIONS.

3.) SHOW SIGNS ON SHOP DRAWINGS.

4.) I.D. PLAQUE INCIDENTAL TO SIGN SUPPORT

5.) 6 ANCHER RODS SHALL BE USED PER SDD

GERNERAL NOTES

DRAWINGS NOT TO SCALE

DESIGN ACCORDING TO AASHTO "STANDARD SPECIFICATIONS FOR STRUCTUAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES AND TRAFFIC SIGNALS".

THE SIGN STRUCTURES SHALL BE DESIGNED TO SUPPORT THE SIGN SHOWN.

WIND VELOCITY PER WISDOT STD SPECIFICATIONS

BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 3" CLEAR UNLESS DETAILED OTHERWISE.

APPROVED FOR DESIGN OF UTILITY ADJUSTMENTS

SHEET 1 OF 3

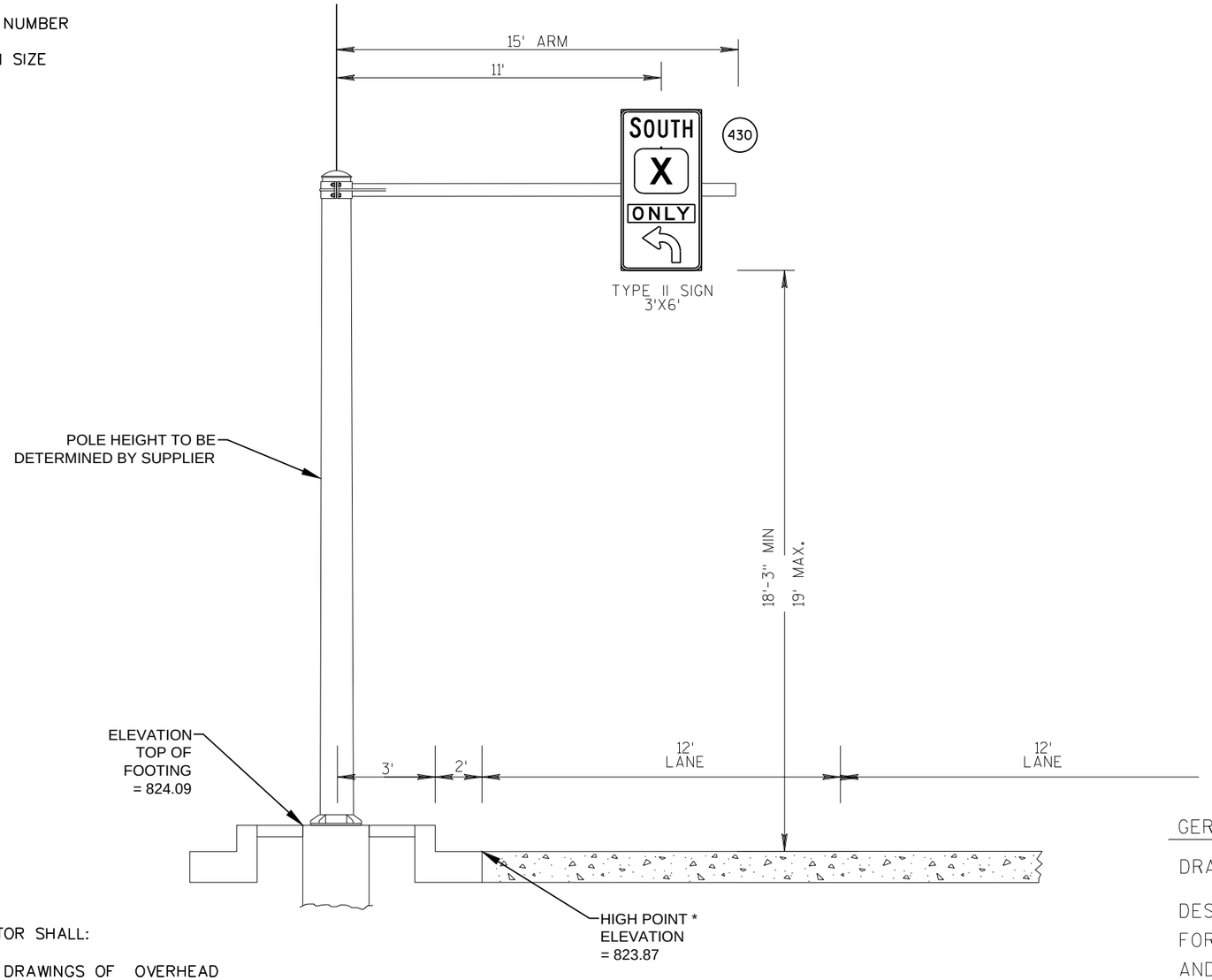
PROJECT NO:2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	OVERHEAD SIGNS SUPPORT S-67-973	SHEET E

FILE NAME : J:\PROJECTS\D2_27880059\SIGNS\023401_PS.DWG
LAYOUT NAME - 023401_PS
PLOT DATE : 3/30/2016 12:30 PM PLOT BY : DODGE, BRIAN M PLOT NAME : PLOT SCALE :
WISDOT/CADDS SHEET 42

LEGEND

(XX) DENOTES SIGN NUMBER

(X) INDICATES SIGN SIZE



NOTE, CONTRACTOR SHALL:

1.) SUBMIT SHOP DRAWINGS OF OVERHEAD SIGN SUPPORT. FOOTING IS INCIDENTAL TO OVERHEAD SIGN SUPPORT.

2.) PROVIDE DESIGN CALCULATIONS.

3.) SHOW SIGNS ON SHOP DRAWINGS.

4.) I.D. PLAQUE INCIDENTAL TO SIGN SUPPORT

5.) 6 ANCHER RODS SHALL BE USED PER SDD

OVERHEAD SIGN SUPPORTS DETAIL
S67-974
STATION 48+00
STH 59/ CTH X (GENESEE RD)
WESTBOUND @ CTH X (SAYLESVILLE RD)
SEE SIGNING PLAN FOR LOCATION

CONTRACTOR TO USE SDD 30" DIAMETER CANTILEVER OVERHEAD SIGN SUPPORT BASE

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

GERNERAL NOTES

DRAWINGS NOT TO SCALE

DESIGN ACCORDING TO AASHTO "STANDARD SPECIFICATIONS FOR STRUCTUAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES AND TRAFFIC SIGNALS".

THE SIGN STRUCTURES SHALL BE DESIGNED TO SUPPORT THE SIGN SHOWN.

WIND VELOCITY PER WISDOT STD SPECIFICATIONS

BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 3" CLEAR UNLESS DETAILED OTHERWISE.

APPROVED FOR DESIGN OF UTILITY ADJUSTMENTS

PROJECT NO:2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	OVERHEAD SIGN SUPPORT S-67-974	SHEET E

FILE NAME : J:\PROJECTS\D2_27880059\SIGNS\023401_PS.DWG
LAYOUT NAME - 023402_PS
PLOT DATE : 3/30/2016 12:30 PM PLOT BY : DODGE, BRIAN M PLOT NAME : PLOT SCALE :
WISDOT/CADDS SHEET 42

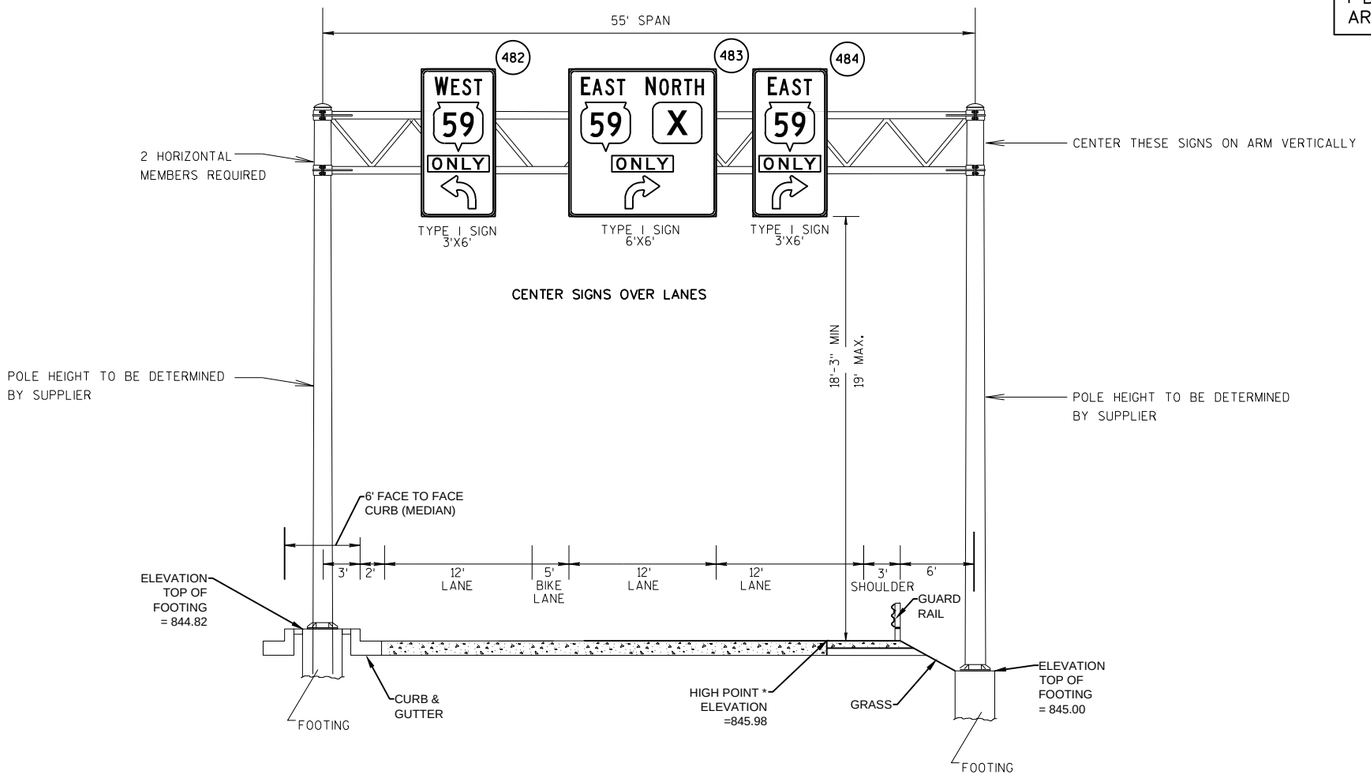
LEGEND

(XXX) DENOTES SIGN NUMBER

(X) INDICATES SIGN SIZE

CONTRACTOR TO USE SDD 36" DIAMETER FULL SPAN OVERHEAD SIGN SUPPORT BASE

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



OVERHEAD SIGN SUPPORTS DETAIL
S67-975
STATION 15+50
NORTHBOUND CTH X
(SAYLESVILL RD) @ STH 59
SEE SIGNING PLAN
FOR LOCATION

NOTE, CONTRACTOR SHALL:

1.) SUBMIT SHOP DRAWINGS OF OVERHEAD SIGN SUPPORT. FOOTING IS INCIDENTAL TO OVERHEAD SIGN SUPPORT.

2.) PROVIDE DESIGN CALCULATIONS.

3.) SHOW SIGNS ON SHOP DRAWINGS.

4.) I.D. PLAQUE INCIDENTAL TO SIGN SUPPORT

5.) 6 ANCHER RODS SHALL BE USED PER SDD

GERNERAL NOTES

DRAWINGS NOT TO SCALE

DESIGN ACCORDING TO AASHTO "STANDARD SPECIFICATIONS FOR STRUCTUAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES AND TRAFFIC SIGNALS".

THE SIGN STRUCTURES SHALL BE DESIGNED TO SUPPORT THE SIGN SHOWN.

WIND VELOCITY PER WISDOT STD SPECIFATIONS

BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 3" CLEAR UNLESS DETAILED OTHERWISE.

APPROVED FOR DESIGN OF UTILITY ADJUSTMENTS

SHEET 3 OF 3

PROJECT NO:2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	OVERHEAD SIGN SUPPORT S-67-975	SHEET E

PRE_67

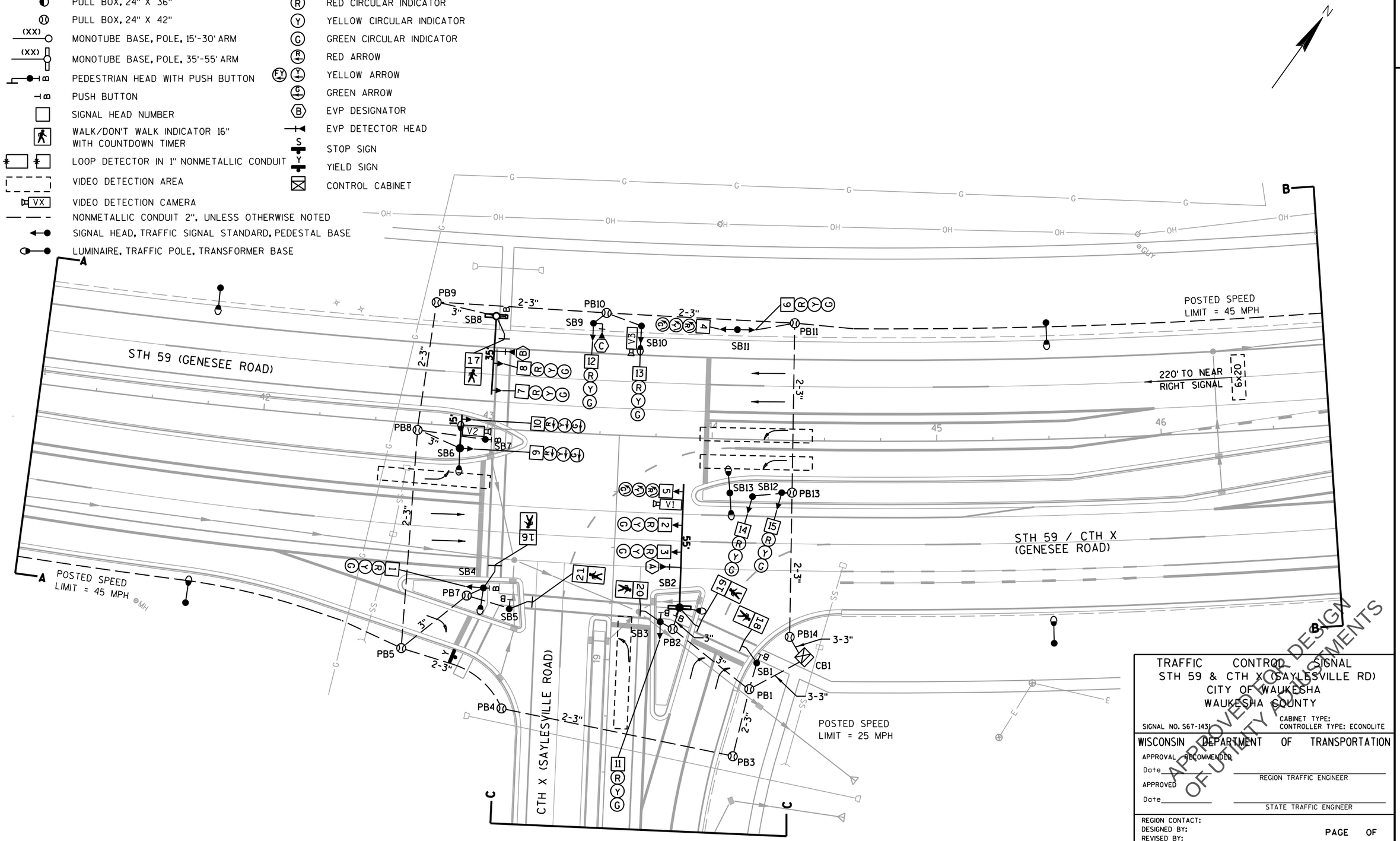
FILE NAME : J:\PROJECTS\D2_27880059\SIGNS\023401_PS.DWG
LAYOUT NAME - 023403_PS

PLOT DATE : 3/30/2016 12:30 PM PLOT BY : DODGE, BRIAN M PLOT NAME : PLOT SCALE :

WISDOT/CADDS SHEET 42

LEGEND

- PULL BOX, 24" X 36"
- PULL BOX, 24" X 42"
- (XX) MONOTUBE BASE, POLE, 15'-30' ARM
- (XX) MONOTUBE BASE, POLE, 35'-55' ARM
- PEDESTRIAN HEAD WITH PUSH BUTTON
- PUSH BUTTON
- SIGNAL HEAD NUMBER
- WALK/DON'T WALK INDICATOR 16" WITH COUNTDOWN TIMER
- LOOP DETECTOR IN 1" NONMETALLIC CONDUIT
- VIDEO DETECTION AREA
- VX VIDEO DETECTION CAMERA
- NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
- SIGNAL HEAD, TRAFFIC SIGNAL STANDARD, PEDESTAL BASE
- LUMINAIRE, TRAFFIC POLE, TRANSFORMER BASE
- R RED CIRCULAR INDICATOR
- Y YELLOW CIRCULAR INDICATOR
- G GREEN CIRCULAR INDICATOR
- R RED ARROW
- FY Y YELLOW ARROW
- G GREEN ARROW
- B EVP DESIGNATOR
- EVP DETECTOR HEAD
- S STOP SIGN
- Y YIELD SIGN
- CONTROL CABINET



TRAFFIC CONTROL SIGNAL
STH 59 & CTH X (SAYLESVILLE RD)
CITY OF WAUKESHA
WAUKESHA COUNTY

SIGNAL NO. S67-143 | CABINET TYPE: CONTROLLER TYPE: ECONOLITE

WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVAL RECOMMENDED
Date _____ REGION TRAFFIC ENGINEER
APPROVED
Date _____ STATE TRAFFIC ENGINEER

REGION CONTACT:
DESIGNED BY:
REVISED BY:

PAGE OF

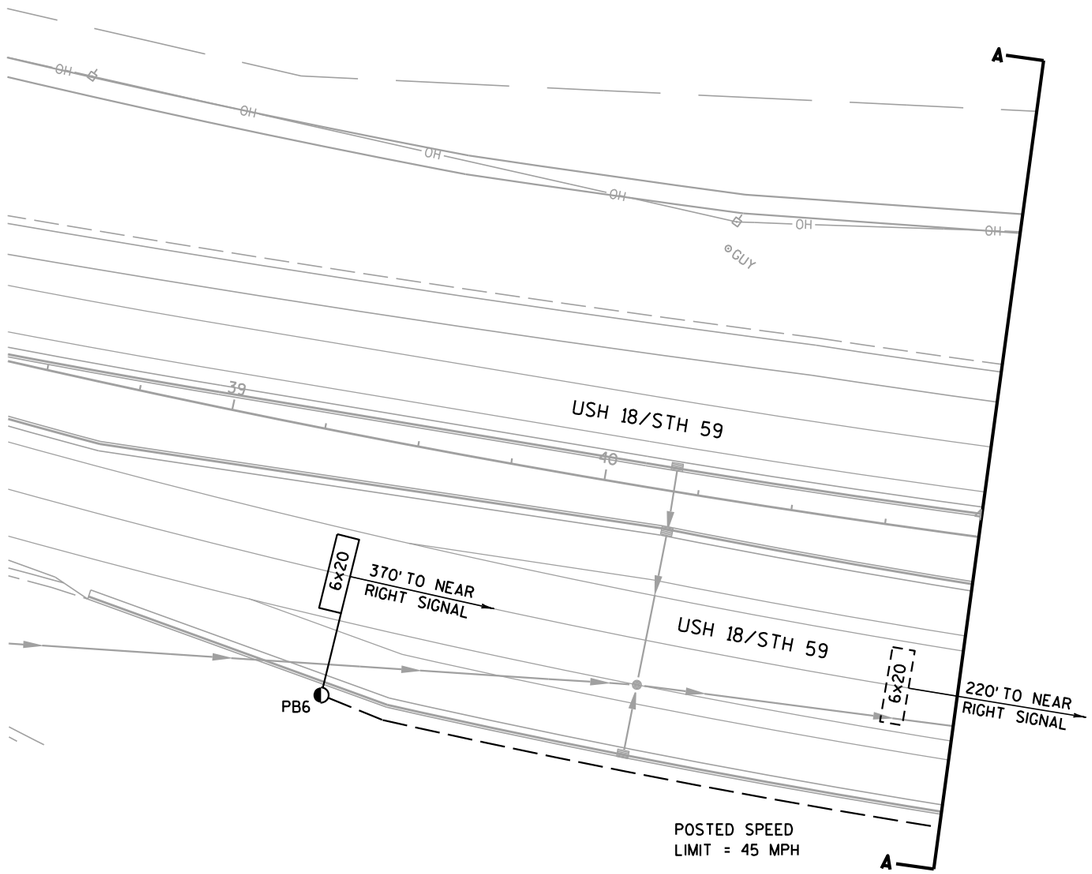
APPROVED FOR DESIGN OF UTILITY ADJUSTMENTS

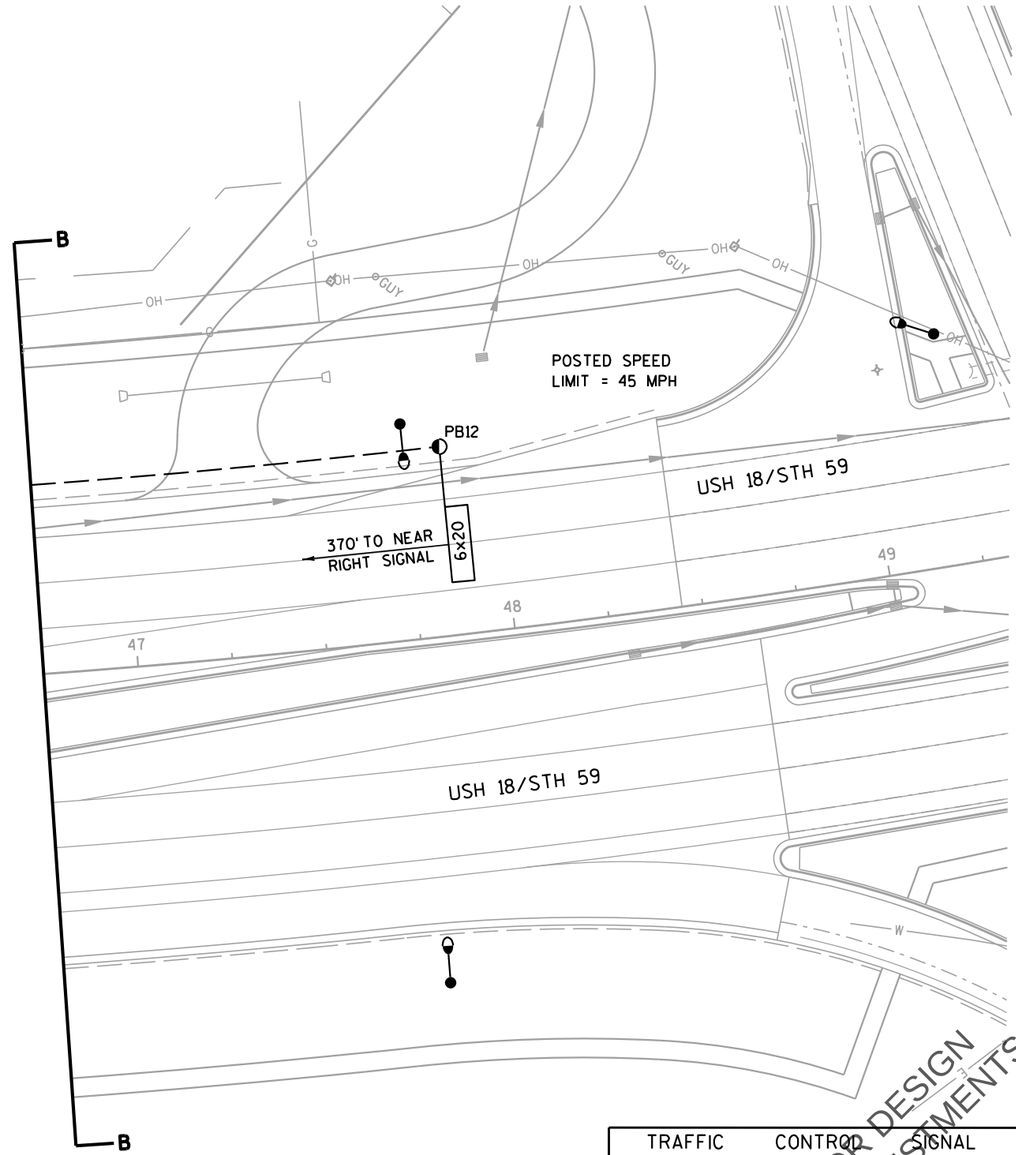
PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	TRAFFIC SIGNAL PLAN	SHEET E

PRE_68

FILE NAME : ...\Signals\TS_Signals_024007.dgn | PLOT DATE : 4/11/2016 | PLOT BY : Transmart | PLOT NAME : | PLOT SCALE : 40.0000 sf / in.

WISDOT/CADDS SHEET 44





2

TRAFFIC CONTROL SIGNAL
STH 59 & CTH X (JANESVILLE RD)
CITY OF WAUKESHA
WAUKESHA COUNTY

SIGNAL NO. S67-143 CABINET TYPE:
CONTROLLER TYPE: ECONOLITE

WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVAL RECOMMENDED
Date _____ REGION TRAFFIC ENGINEER

APPROVED
Date _____ STATE TRAFFIC ENGINEER

REGION CONTACT:
DESIGNED BY:
REVISED BY:

PAGE 1 OF X

APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS

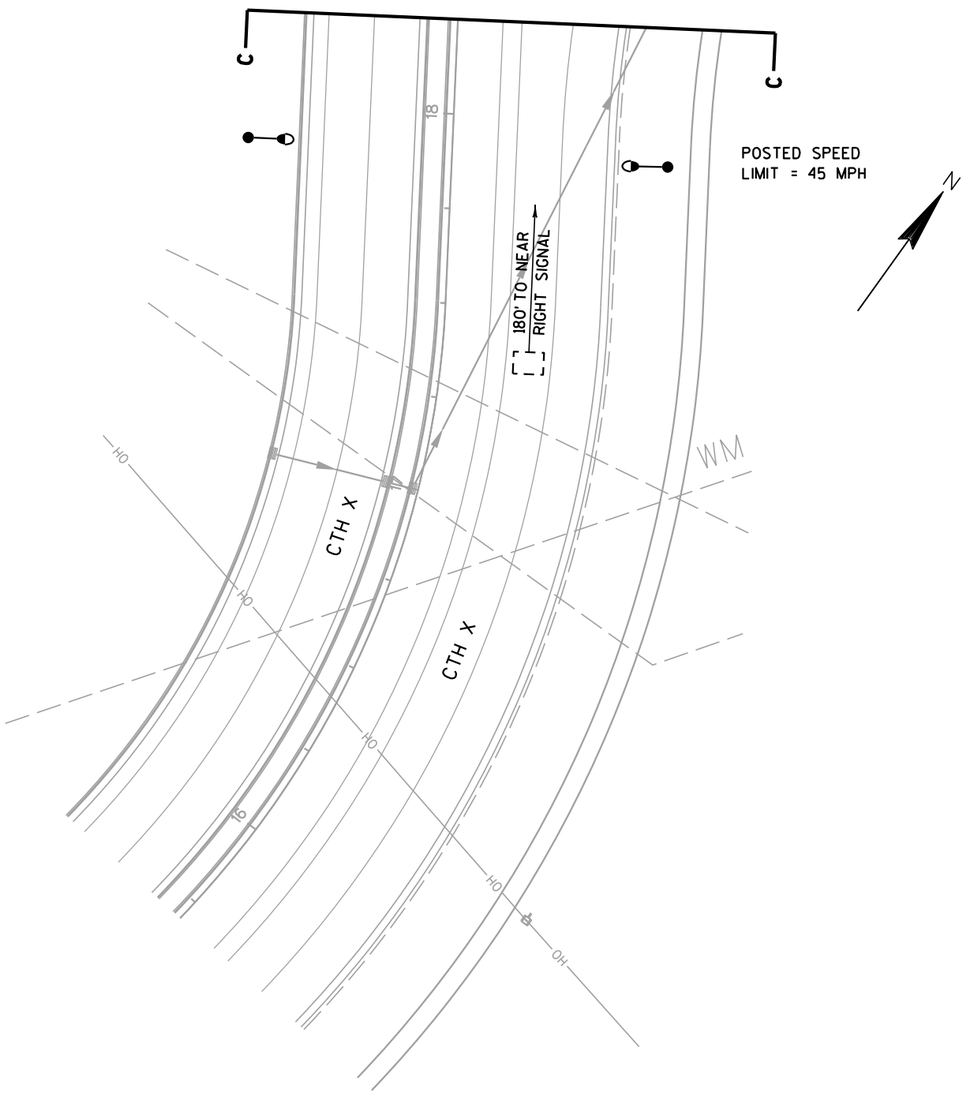
PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	TRAFFIC SIGNAL PLAN	SHEET E

PRE_69

FILE NAME : ...\TS_Signals_024007_ex1.dgn PLOT DATE : 4/11/2016 PLOT BY : Transmart PLOT NAME : PLOT SCALE : 40.0000 sf / in.

WISDOT/CADDS SHEET 44

2



TRAFFIC CONTROL SIGNAL
STH 59 & CTH X (SAYLESVILLE RD)
CITY OF WAUKESHA
WAUKESHA COUNTY

SIGNAL NO. S67-1431 CABINET TYPE:
CONTROLLER TYPE: ECONOLITE

WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVAL RECOMMENDED
Date _____ REGION TRAFFIC ENGINEER

APPROVED
Date _____ STATE TRAFFIC ENGINEER

APPROVED FOR DESIGN OF UTILITY ADJUSTMENTS

REGION CONTACT:
DESIGNED BY:
REVISED BY:

PAGE 1 OF X

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	TRAFFIC SIGNAL PLAN	SHEET E

PRE_70

LEGEND

- PULL BOX, 24" X 36"
- PULL BOX, 24" X 42"
- (XX) MONOTUBE BASE, POLE, 15'-30' ARM
- (XX) MONOTUBE BASE, POLE, 35'-55' ARM
- PEDESTRIAN HEAD WITH PUSH BUTTON
- PUSH BUTTON
- SIGNAL HEAD NUMBER
- WALK/DON'T WALK INDICATOR 16" WITH COUNTDOWN TIMER
- LOOP DETECTOR IN 1" NONMETALLIC CONDUIT
- VIDEO DETECTION AREA
- VIDEO DETECTION CAMERA VX
- NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
- SIGNAL HEAD, TRAFFIC SIGNAL STANDARD, PEDESTAL BASE
- LUMINAIRE, TRAFFIC POLE, TRANSFORMER BASE
- R RED CIRCULAR INDICATOR
- Y YELLOW CIRCULAR INDICATOR
- G GREEN CIRCULAR INDICATOR
- R RED ARROW
- FY Y YELLOW ARROW
- G GREEN ARROW
- B EVP DESIGNATOR
- EVP DETECTOR HEAD
- S STOP SIGN
- Y YIELD SIGN
- CONTROL CABINET

STH 59 (LES PAUL PARKWAY) / USH 18

STH 59 / CTH X (GENESEE ROAD)

USH 18

(GENESEE ROAD) CTH X

POSTED SPEED LIMIT = 45 MPH

POSTED SPEED LIMIT = 45 MPH

POSTED SPEED LIMIT = 45 MPH

POSTED SPEED LIMIT = 45 MPH

R/W

PB1 PB2 PB3 PB5 PB6 PB7 PB8 PB10 PB11 PB12 PB13 PB14 PB16 PB17 PB18 PB19 PB20 PB22 PB23 PB24 PB25 PB26

SB1 SB2 SB3 SB4 SB5 SB6 SB7 SB8 SB9 SB10 SB11 SB12 SB13 SB14 SB15 SB16 SB17

CB1

2-3" 3" 3-3"

TRAFFIC CONTROL SIGNAL
USH 18/STH 59 & CTH X
CITY OF WAUKESHA
WAUKESHA COUNTY
SIGNAL NO. S67-0356
CABINET TYPE:
CONTROLLER TYPE: ECONOLITE

WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVAL RECOMMENDED
Date _____ REGION TRAFFIC ENGINEER
APPROVED
Date _____ STATE TRAFFIC ENGINEER

APPROVED FOR DESIGN OF UTILITY ADJUSTMENTS

REGION CONTACT:
DESIGNED BY:
REVISED BY:

PAGE 1 OF X

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	TRAFFIC SIGNAL PLAN	SHEET E

PRE_71

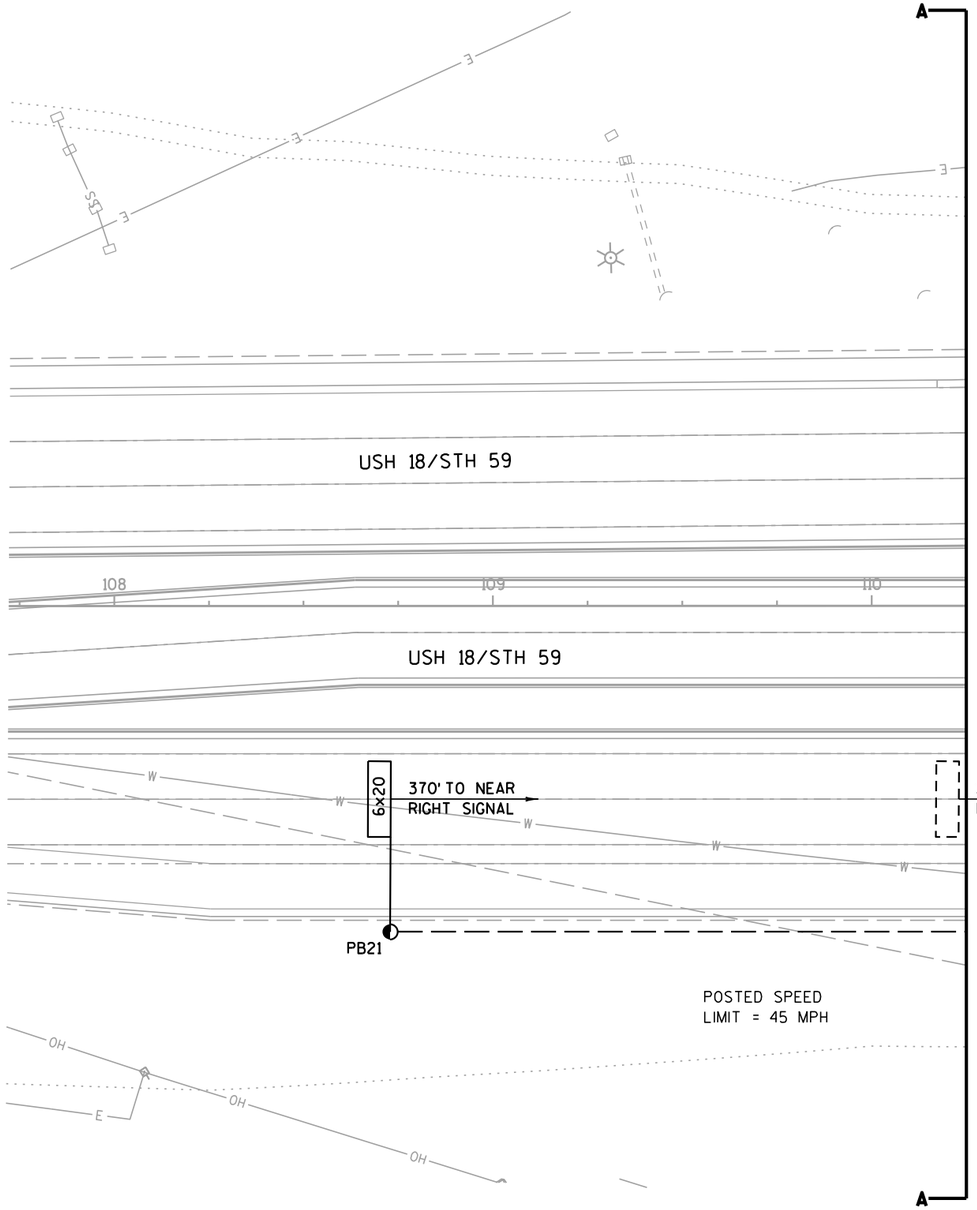
FILE NAME : ...\Signals\TS_Signals_024006.dgn PLOT DATE : 4/11/2016 PLOT BY : Transmart PLOT NAME : PLOT SCALE : 40.0000 sf / in.

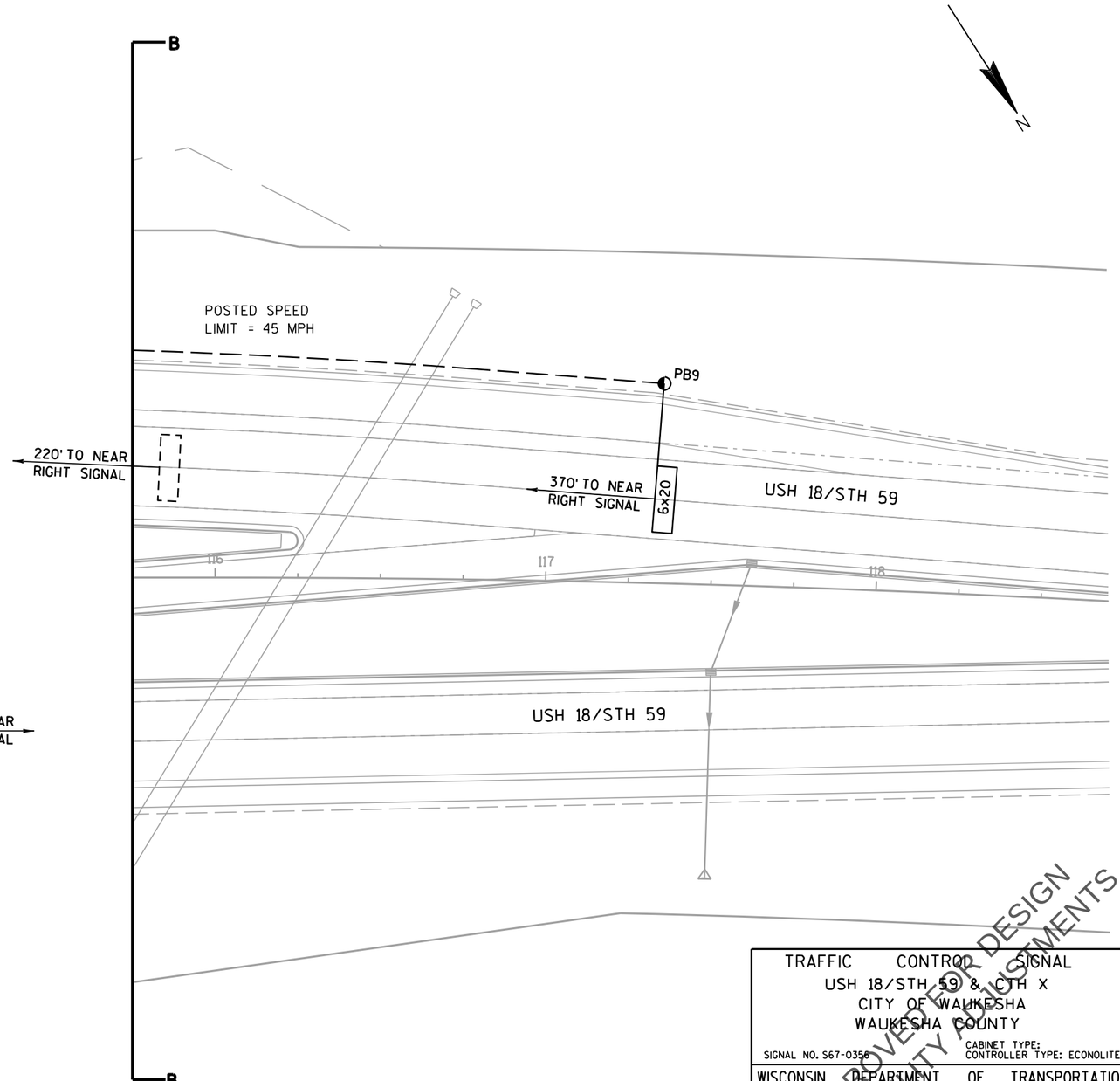
WISDOT/CADDS SHEET 44

2

A

B





A

B

2

TRAFFIC CONTROL SIGNAL
USH 18/STH 59 & CTH X
CITY OF WAUKESHA
WAUKESHA COUNTY

SIGNAL NO. S67-0356
CABINET TYPE:
CONTROLLER TYPE: ECONOLITE

WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVAL RECOMMENDED
Date _____ REGION TRAFFIC ENGINEER

APPROVED
Date _____ STATE TRAFFIC ENGINEER

APPROVED FOR DESIGN OF UTILITY ADJUSTMENTS

REGION CONTACT:
DESIGNED BY:
REVISED BY:

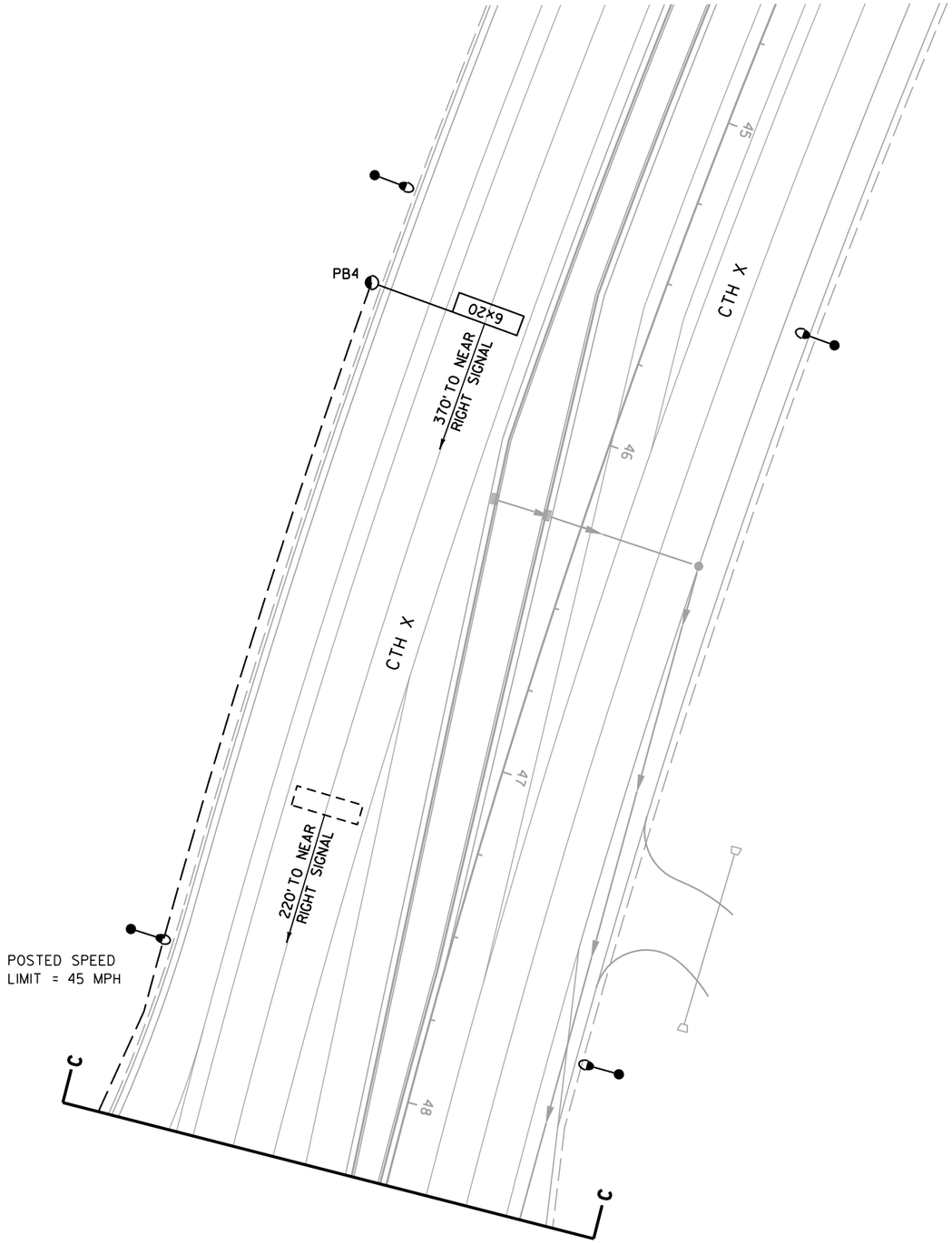
PAGE 1 OF X

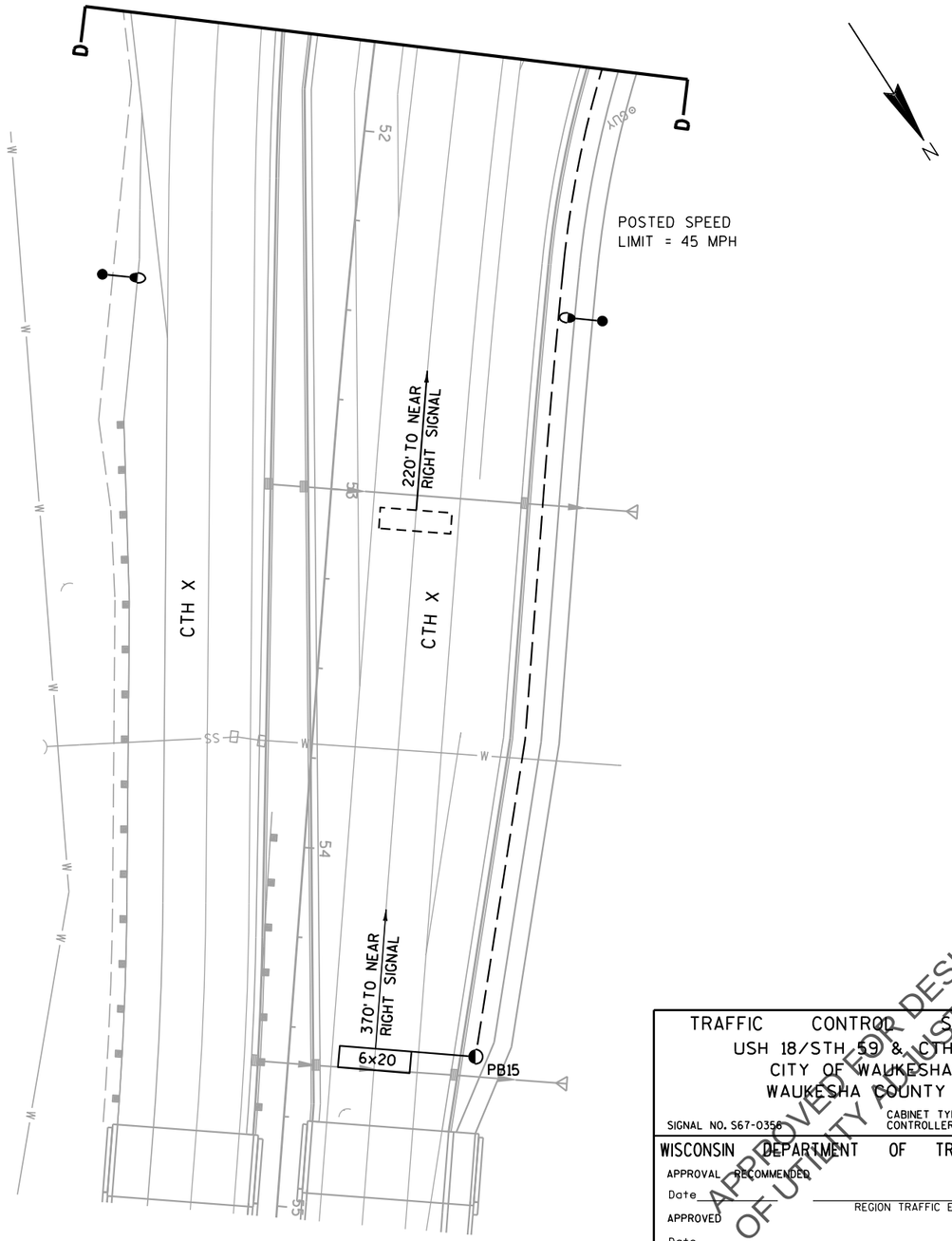
PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	TRAFFIC SIGNAL PLAN	SHEET E

PRE_72

FILE NAME : ...\TS_Signals_024006_ex1.dgn PLOT DATE : 4/11/2016 PLOT BY : Transmart PLOT NAME : PLOT SCALE : 40.0000 sf / in.

WISDOT/CADDS SHEET 44





TRAFFIC CONTROL SIGNAL
USH 18/STH 59 & CTH X
CITY OF WAUKESHA
WAUKESHA COUNTY

SIGNAL NO. S67-0356
CABINET TYPE:
CONTROLLER TYPE: ECONOLITE

WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVAL RECOMMENDED
Date _____ REGION TRAFFIC ENGINEER

APPROVED
Date _____ STATE TRAFFIC ENGINEER

APPROVED FOR DESIGN OF UTILITY ADJUSTMENTS

REGION CONTACT:
DESIGNED BY:
REVISED BY:

PAGE 1 OF X

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	TRAFFIC SIGNAL PLAN	SHEET E

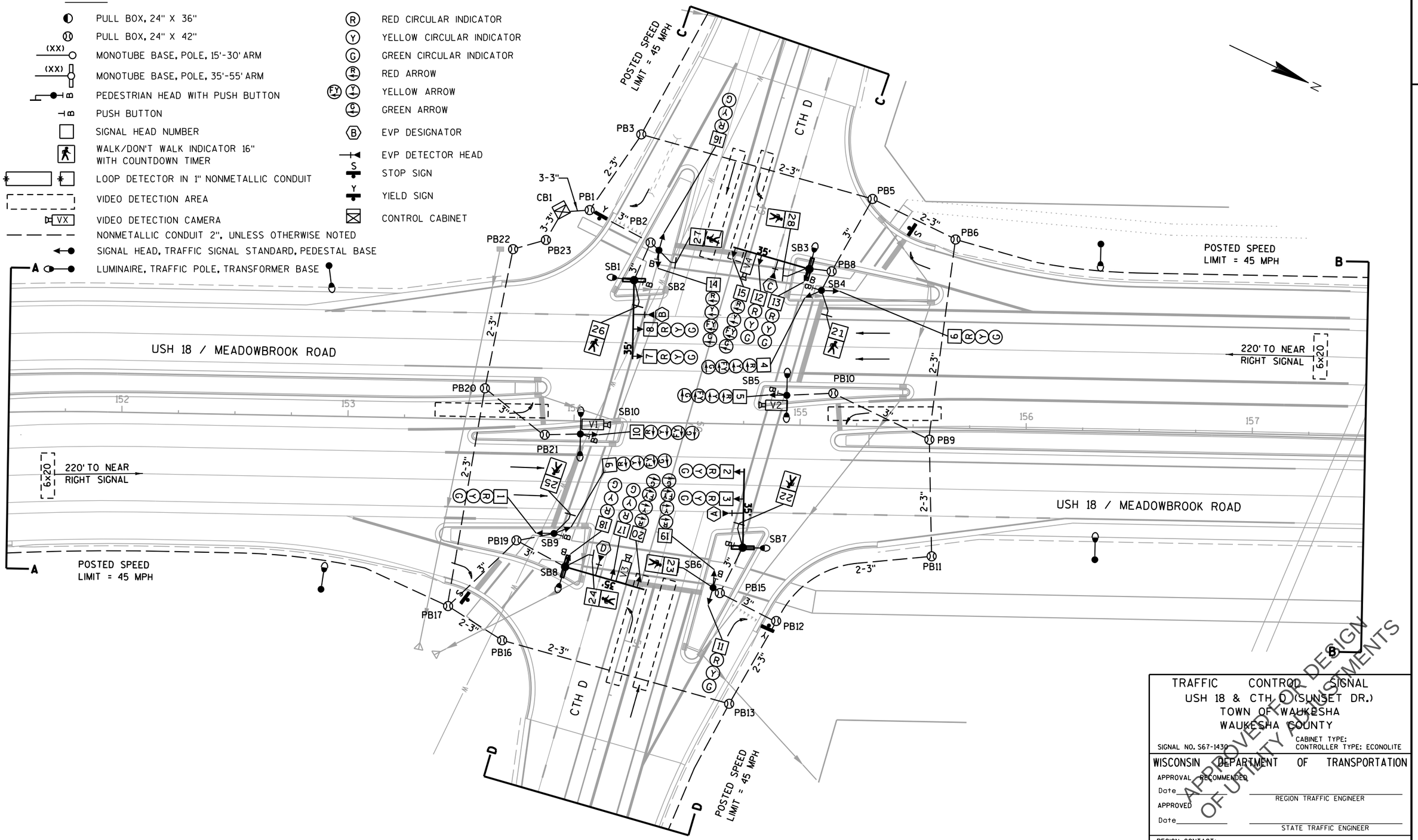
PRE_73

FILE NAME : ...\TS_Signals_024006_ex2.dgn PLOT DATE : 4/11/2016 PLOT BY : Transmart PLOT NAME : PLOT SCALE : 40.0000 sf / in.

WISDOT/CADDS SHEET 44

LEGEND

- PULL BOX, 24" X 36"
- PULL BOX, 24" X 42"
- (XX) MONOTUBE BASE, POLE, 15'-30' ARM
- (XX) MONOTUBE BASE, POLE, 35'-55' ARM
- PEDESTRIAN HEAD WITH PUSH BUTTON
- PUSH BUTTON
- SIGNAL HEAD NUMBER
- WALK/DON'T WALK INDICATOR 16" WITH COUNTDOWN TIMER
- LOOP DETECTOR IN 1" NONMETALLIC CONDUIT
- VIDEO DETECTION AREA
- VX VIDEO DETECTION CAMERA
- NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
- SIGNAL HEAD, TRAFFIC SIGNAL STANDARD, PEDESTAL BASE
- LUMINAIRE, TRAFFIC POLE, TRANSFORMER BASE
- R RED CIRCULAR INDICATOR
- Y YELLOW CIRCULAR INDICATOR
- G GREEN CIRCULAR INDICATOR
- R RED ARROW
- FY Y YELLOW ARROW
- G GREEN ARROW
- B EVP DESIGNATOR
- EVP DETECTOR HEAD
- S STOP SIGN
- Y YIELD SIGN
- CONTROL CABINET



APPROVED FOR DESIGN OF UTILITY ADJUSTMENTS

TRAFFIC CONTROL SIGNAL
USH 18 & CTH D (SUNSET DR.)
TOWN OF WAUKESHA
WAUKESHA COUNTY

SIGNAL NO. S67-1430
CABINET TYPE:
CONTROLLER TYPE: ECONOLITE

WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVAL RECOMMENDED
Date _____ REGION TRAFFIC ENGINEER
APPROVED
Date _____ STATE TRAFFIC ENGINEER

REGION CONTACT:
DESIGNED BY:
REVISED BY:

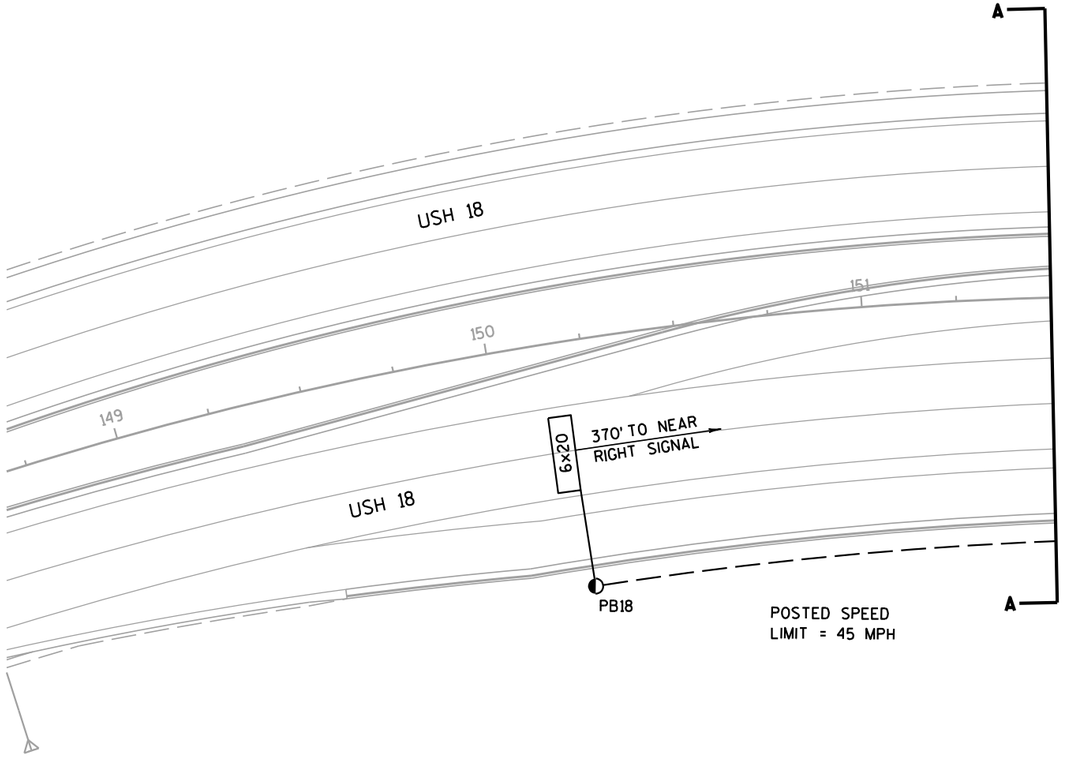
PAGE 1 OF X

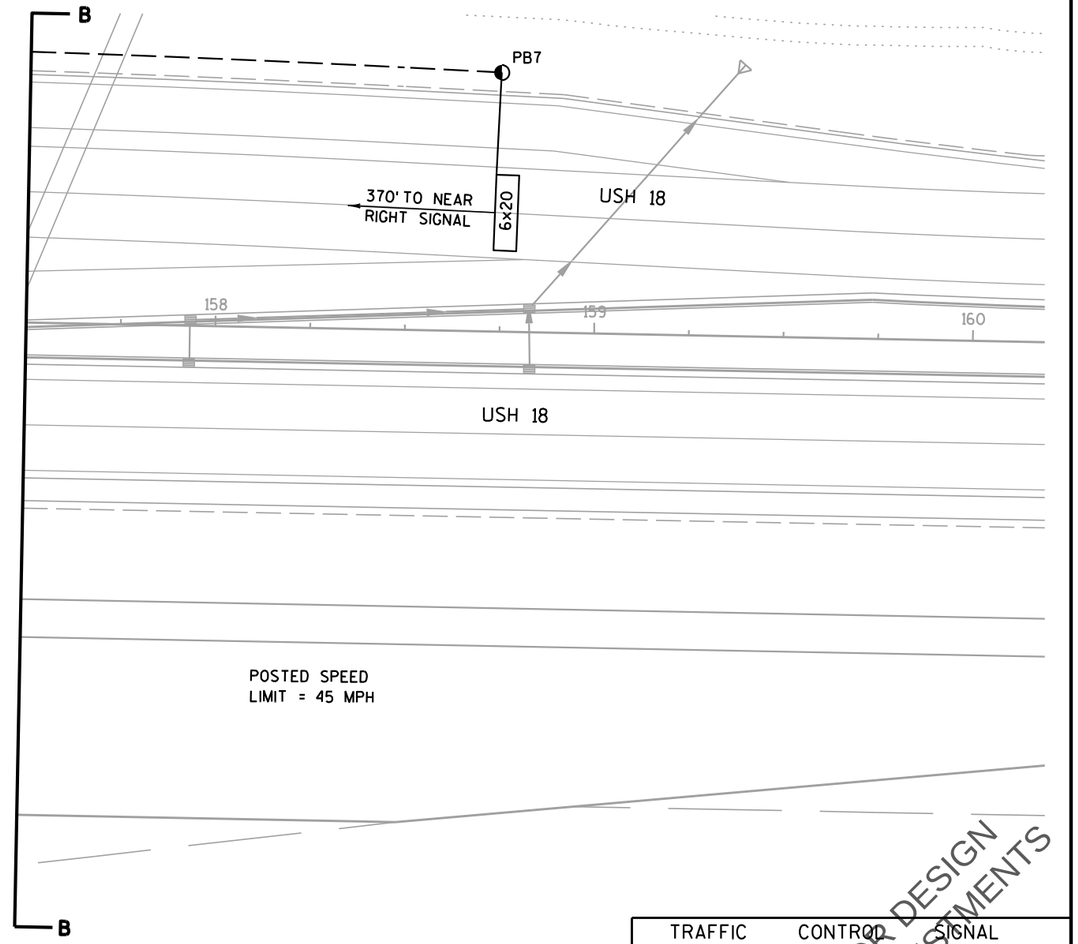
PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	TRAFFIC SIGNAL PLAN	SHEET E

PRE_74

2

2





TRAFFIC CONTROL SIGNAL
USH 18 & CTH D (SUNSET DR.)
CITY OF WAUKESHA
WAUKESHA COUNTY

SIGNAL NO. S67-1430

CABINET TYPE:
CONTROLLER TYPE: ECONOLITE

WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVAL RECOMMENDED

Date _____ REGION TRAFFIC ENGINEER

APPROVED

Date _____ STATE TRAFFIC ENGINEER

APPROVED FOR DESIGN OF UTILITY ADJUSTMENTS

REGION CONTACT:
DESIGNED BY:
REVISED BY:

PAGE 1 OF X

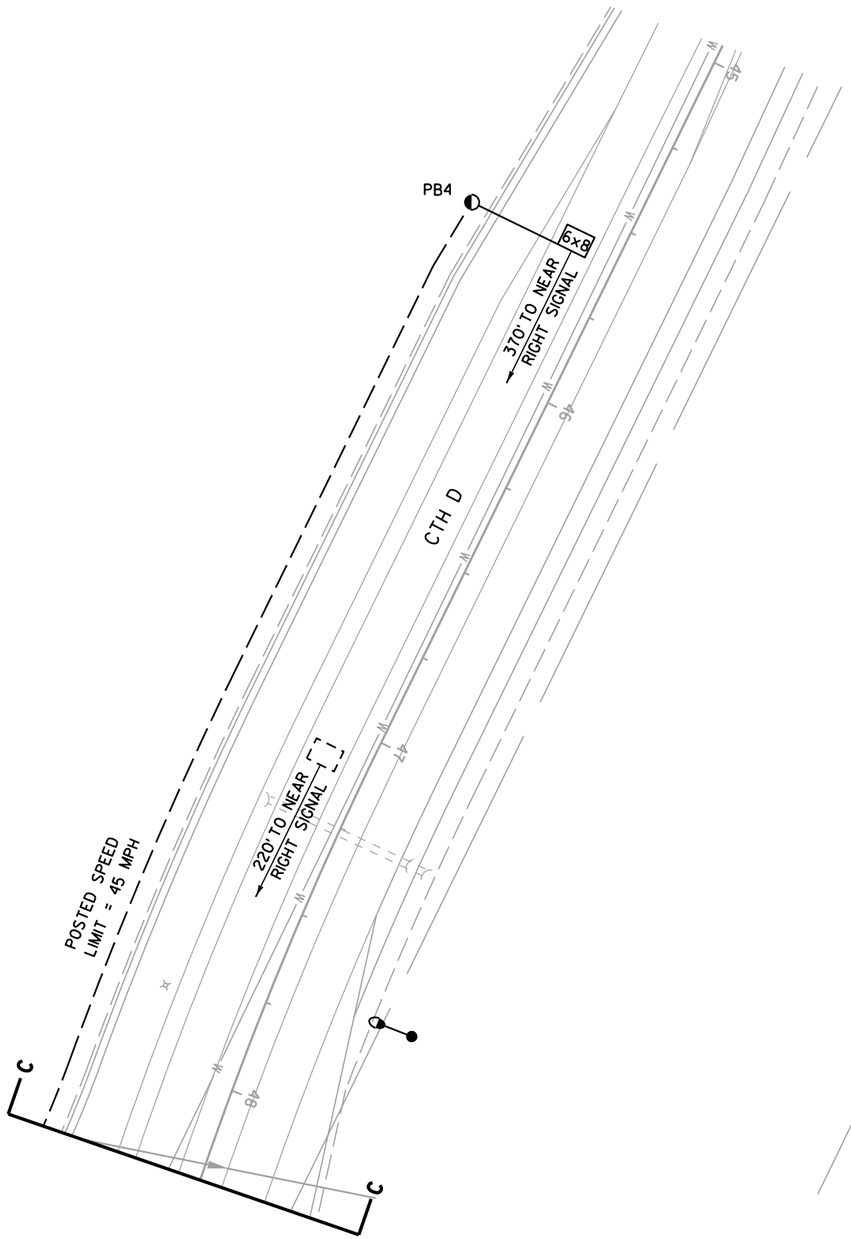
PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	TRAFFIC SIGNAL PLAN	SHEET E

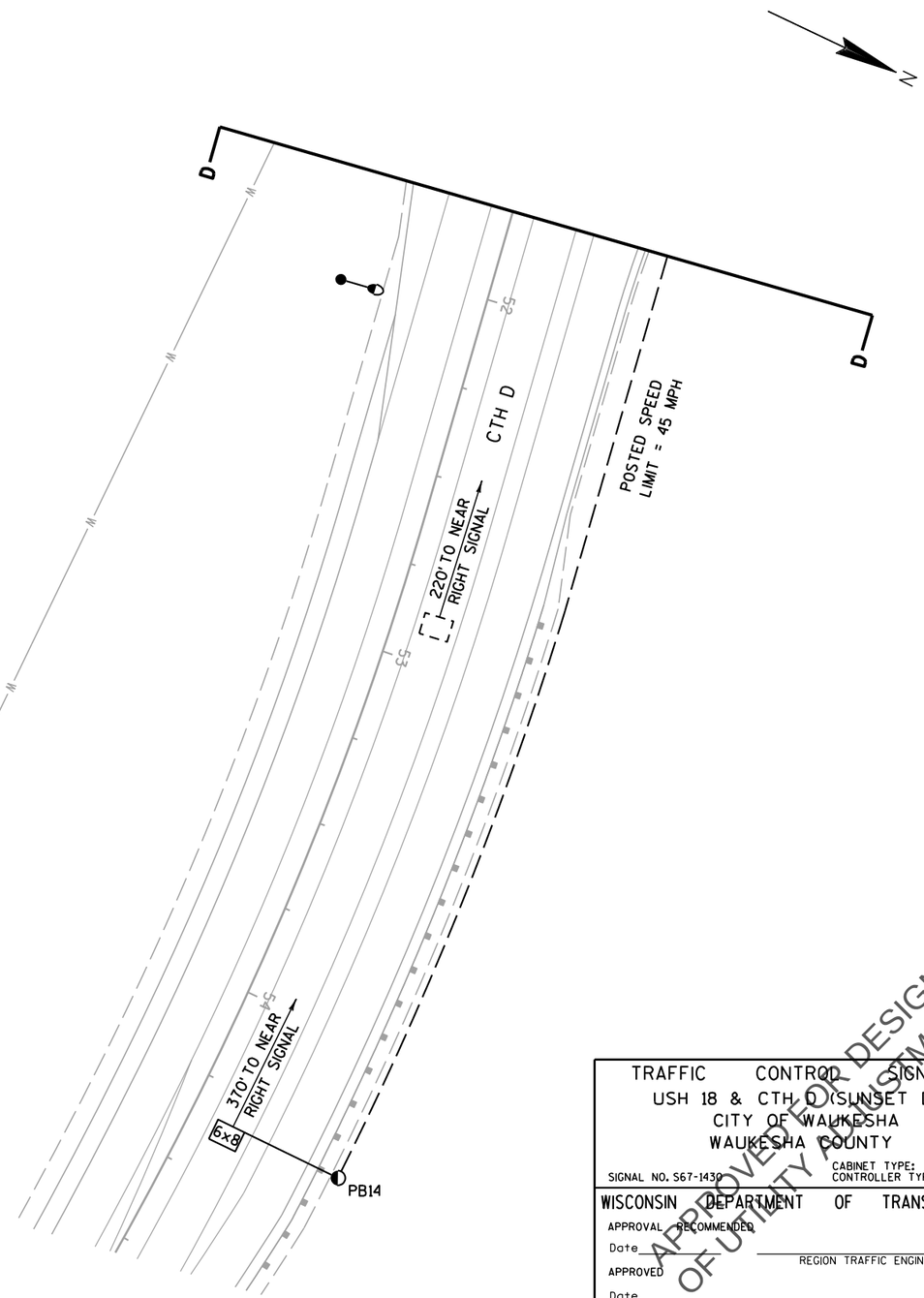
PRE_75

FILE NAME : ...\TS_Signals_024005_ex1.dgn PLOT DATE : 4/11/2016 PLOT BY : Transmart PLOT NAME : PLOT SCALE : 40.0000 sf / in.

WISDOT/CADDS SHEET 44

2





TRAFFIC CONTROL SIGNAL
USH 18 & CTH D (SUNSET DR.)
CITY OF WAUKESHA
WAUKESHA COUNTY

SIGNAL NO. S67-1430
CABINET TYPE:
CONTROLLER TYPE: ECONOLITE

WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVAL RECOMMENDED
Date _____ REGION TRAFFIC ENGINEER

APPROVED
Date _____ STATE TRAFFIC ENGINEER

REGION CONTACT:
DESIGNED BY:
REVISED BY:

PAGE 1 OF X

APPROVED FOR DESIGN OF UTILITY ADJUSTMENTS

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	TRAFFIC SIGNAL PLAN	SHEET E

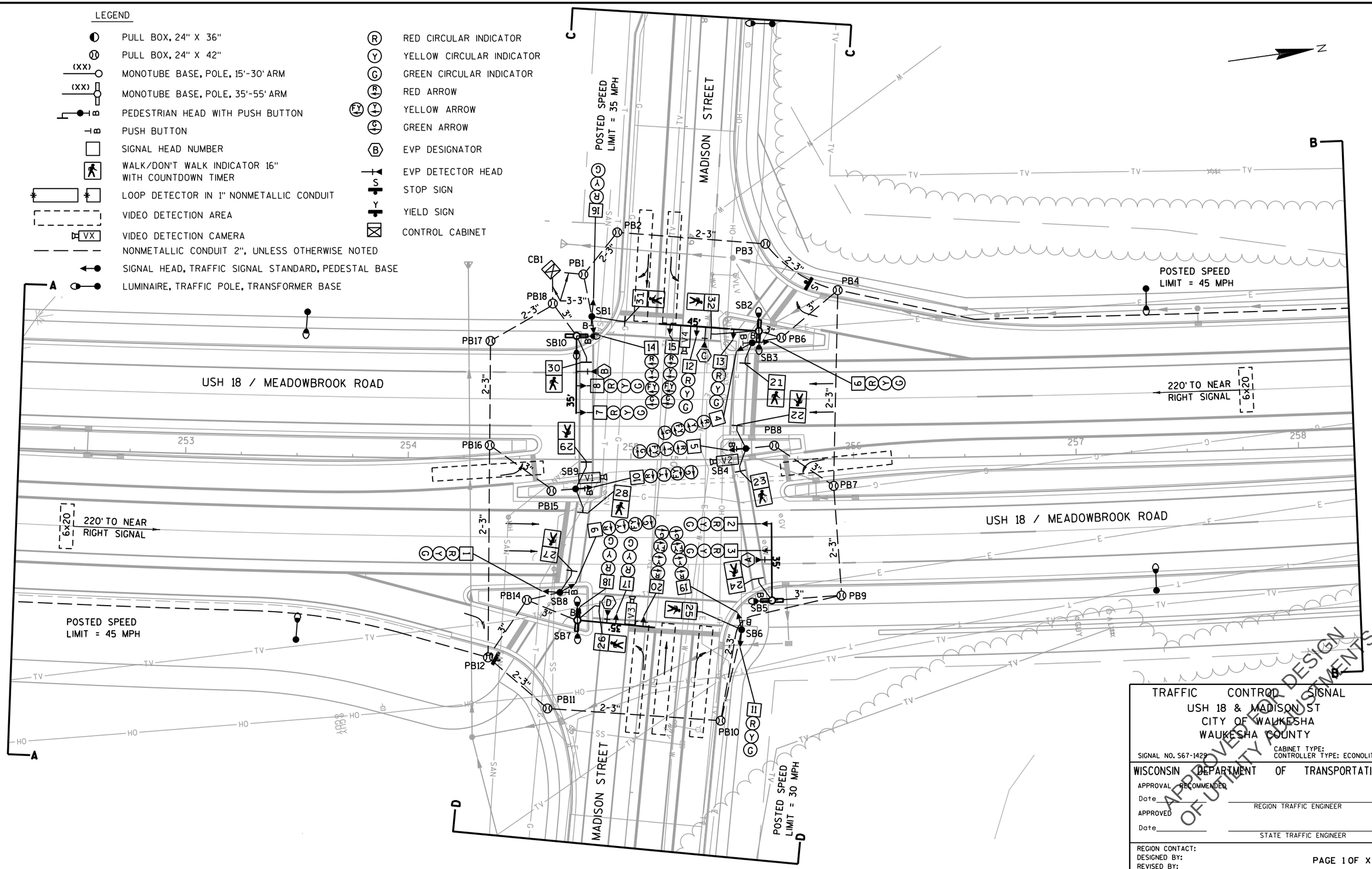
PRE_76

FILE NAME : ...\TS_Signals_024005_ex2.dgn PLOT DATE : 4/11/2016 PLOT BY : Transmart PLOT NAME : PLOT SCALE : 40.0000 sf / in.

WISDOT/CADDS SHEET 44

LEGEND

- PULL BOX, 24" X 36"
- PULL BOX, 24" X 42"
- (XX) MONOTUBE BASE, POLE, 15'-30' ARM
- (XX) MONOTUBE BASE, POLE, 35'-55' ARM
- PEDESTRIAN HEAD WITH PUSH BUTTON
- PUSH BUTTON
- SIGNAL HEAD NUMBER
- WALK/DON'T WALK INDICATOR 16" WITH COUNTDOWN TIMER
- LOOP DETECTOR IN 1" NONMETALLIC CONDUIT
- VIDEO DETECTION AREA
- VX VIDEO DETECTION CAMERA
- NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
- SIGNAL HEAD, TRAFFIC SIGNAL STANDARD, PEDESTAL BASE
- LUMINAIRE, TRAFFIC POLE, TRANSFORMER BASE
- R RED CIRCULAR INDICATOR
- Y YELLOW CIRCULAR INDICATOR
- G GREEN CIRCULAR INDICATOR
- RED ARROW
- YELLOW ARROW
- GREEN ARROW
- B EVP DESIGNATOR
- EVP DETECTOR HEAD
- S STOP SIGN
- Y YIELD SIGN
- CONTROL CABINET



TRAFFIC CONTROL SIGNAL
USH 18 & MADISON ST
CITY OF WAUKESHA
WAUKESHA COUNTY

SIGNAL NO. S67-1429
CABINET TYPE:
CONTROLLER TYPE: ECONOLITE

WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVAL RECOMMENDED
Date _____ REGION TRAFFIC ENGINEER
APPROVED
Date _____ STATE TRAFFIC ENGINEER

APPROVED FOR DESIGN OF UTILITY ADJUSTMENTS

REGION CONTACT:
DESIGNED BY:
REVISED BY:

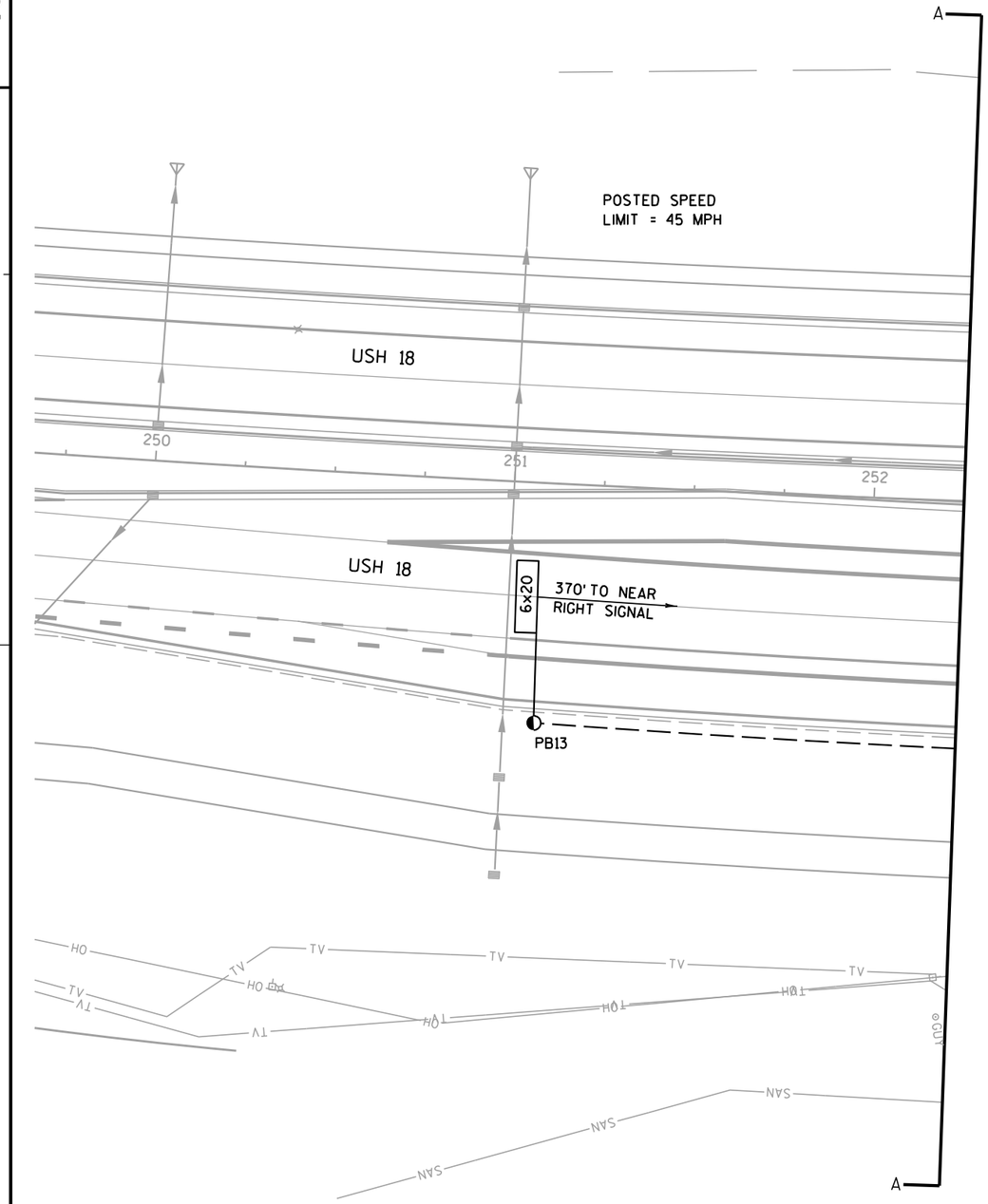
PAGE 1 OF X

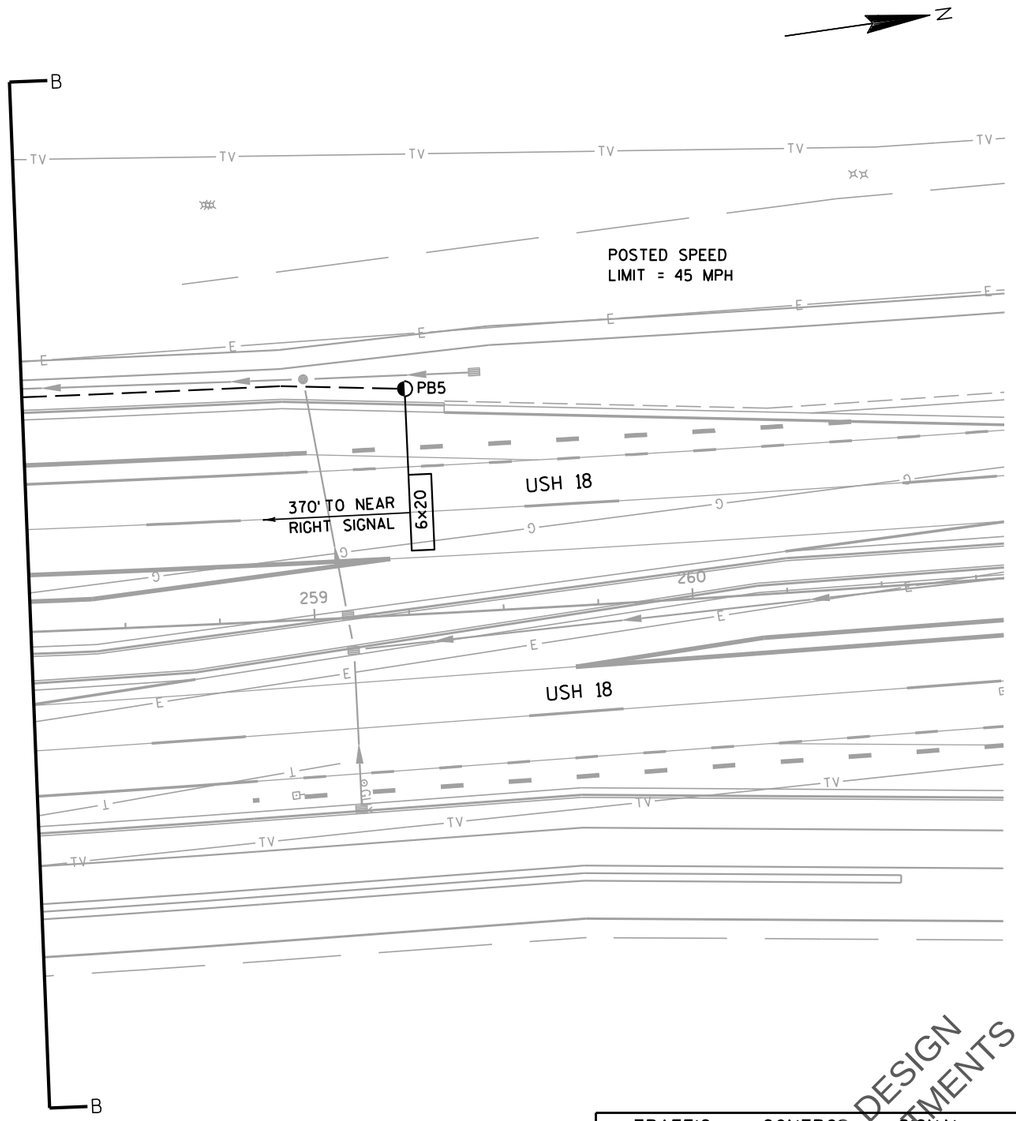
PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	TRAFFIC SIGNAL PLAN	SHEET E

PRE_77

FILE NAME : ...\Signals\TS_Signals_024004.dgn PLOT DATE : 4/11/2016 PLOT BY : Transmart PLOT NAME : PLOT SCALE : 40.0000 sf / in.

WISDOT/CADDS SHEET 44





TRAFFIC CONTROL SIGNAL
USH 18 & MADISON ST
CITY OF WAUKESHA
WAUKESHA COUNTY

SIGNAL NO. S67-1429

CABINET TYPE:
CONTROLLER TYPE: ECONOLITE

WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVAL RECOMMENDED

Date _____ REGION TRAFFIC ENGINEER

APPROVED

Date _____ STATE TRAFFIC ENGINEER

APPROVED FOR DESIGN OF UTILITY ADJUSTMENTS

REGION CONTACT:
DESIGNED BY:
REVISED BY:

PAGE 1 OF X

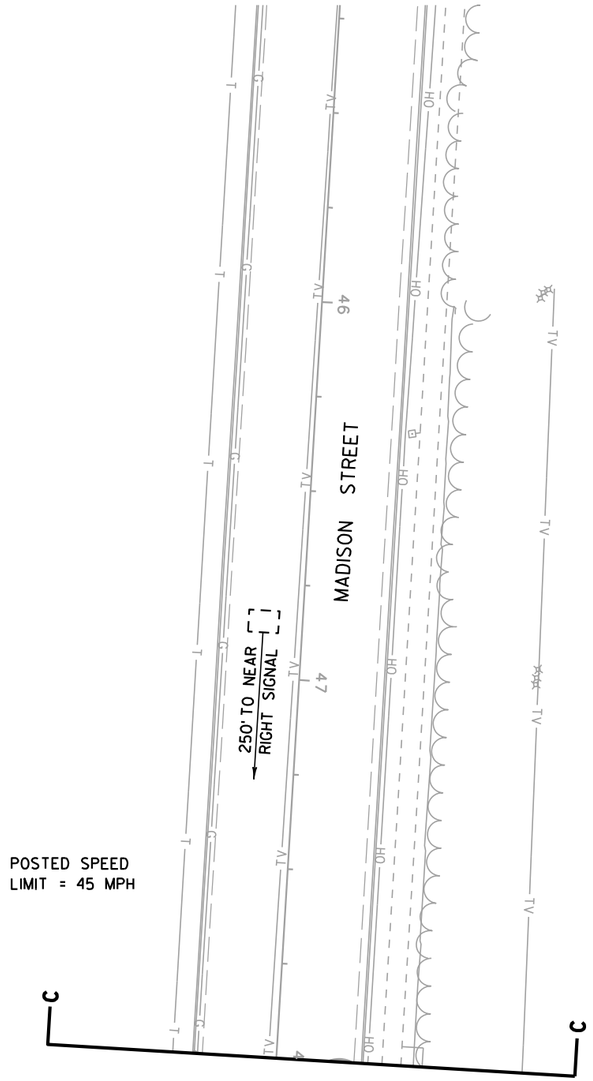
PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	TRAFFIC SIGNAL PLAN	SHEET E

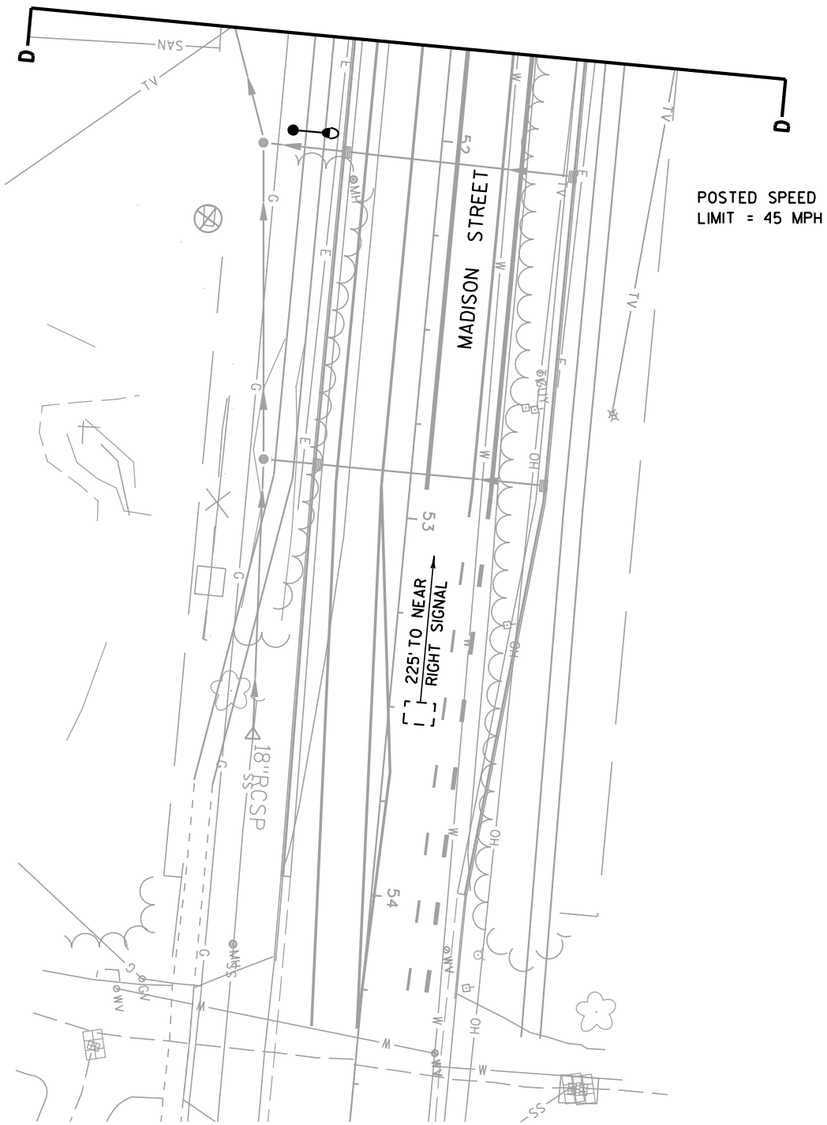
FILE NAME : ...\TS_Signals_024004_ex1.dgn PLOT DATE : 4/11/2016 PLOT BY : Transmart PLOT NAME : PLOT SCALE : 40.0000 sf / in.

PRE_78

WISDOT/CADDS SHEET 44

2





N

TRAFFIC CONTROL SIGNAL
USH 18 & MADISON ST
CITY OF WAUKESHA
WAUKESHA COUNTY

SIGNAL NO. S67-1429

CABINET TYPE:
CONTROLLER TYPE: ECONOLITE

WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVAL RECOMMENDED

Date _____ REGION TRAFFIC ENGINEER

APPROVED

Date _____ STATE TRAFFIC ENGINEER

APPROVED FOR DESIGN OF UTILITY ADJUSTMENTS

REGION CONTACT:
DESIGNED BY:
REVISED BY:

PAGE 1 OF X

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	TRAFFIC SIGNAL PLANS	SHEET E

PRE_79

FILE NAME : ...\TS_Signals_024004_ex2.dgn PLOT DATE : 4/11/2016 PLOT BY : Transmart PLOT NAME : PLOT SCALE : 40.0000 sf / in.

WISDOT/CADDS SHEET 44

2

N

CTH X
SAYLESVILLE RD

STH 59
GENESEE RD

STH 59/CTH X
GENESEE RD

STH 59
LES PAUL PKWY

CTH D
SUNSET DR

WAUKESHA BYPASS

PEBBLE CREEK

5+00
10+00
15+00
40+00
45+00
50+00
55+00
60+00
65+00
70+00
100+00
105+00
110+00
115+00
120+00
125+00
130+00
135+00
A 145+00
A 150+00
155+00
A 160+00

B-67-360 NB
B-67-361 SB
LAND BRIDGES

B-67-352 NB
B-67-353 SB
LAND BRIDGES

BEGIN STRUCTURE
CONSTRUCTION

BEGIN PROJECT
ID 2788-00-71
STA 100+36.99

CONSTRUCT
B-67-315 WB CTH X

LEGEND

WORK ZONE

DIRECTION OF TRAFFIC

STAGE 1 - CONSTRUCTION

BEGIN CONSTRUCTION LAND BRIDGE STRUCTURES SOUTH OF CTH D AND STRUCTURES OVER PEBBLE CREEKON GENESSEE ROAD.

CONSTRUCT TEMPORARY PAVEMENT ALONG STH 59/CTH X.

CONSTRUCT TEMPORARY ROADWAY UTILIZING PROPOSED NORTHBOND LANE LOCATION OF WAUKESHA BYPASS FROM STA. 215+00 TO STA. 245+00 INCLUDING CONNECTION TO MERRILL HILLS COURT.

STAGE 1 - TRAFFIC

ALL EXISTING ROADWAYS OPEN TO TRAFFIC.

APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	TRAFFIC CONTROL - STAGE 1 OVERVIEW	SHEET	E

PRE_80

FILE NAME : F:\BM1-3324 USH 18 Bypass\5_Design\03_Roads\cds\by_026111_S1.dgn PLOT DATE : 11-APR-2016 13:05 PLOT BY : torner PLOT NAME : PLOT SCALE : 400:1

2

N

LEGEND

WORK ZONE

DIRECTION OF TRAFFIC

WAUKESHA BYPASS

GLACIAL DRUMLIN TRAIL

PEBBLE CREEK

GREEN LN

WI & SOUTHERN RR

MACARTHUR RD

MERRILL HILLS RD

CTH TT

KAME TERRACE

A 165+00

A 170+00

A 175+00

A 180+00

A 185+00

A 190+00

A 195+00

A 200+00

A 205+00

A 210+00

A 215+00

A 220+00

A 225+00

A 230+00

45+00

60+00

62+50

70+00

75+00

55+00

80+00

85+00

45+00

90+00

92+25

BEGIN STRUCTURE CONSTRUCTION

B-67-354 NB
B-67-355 SB

C-67-88

CONSTRUCT TEMPORARY ROADWAY

APPROVED FOR DESIGN OF UTILITY ADJUSTMENTS

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	TRAFFIC CONTROL - STAGE 1 OVERVIEW	SHEET	E

PRE_81

FILE NAME : F:\BM1-3324 USH 18 Bypass\5_Design\03_Roads\cds\by_026112_S1.dgn PLOT DATE : 11-APR-2016 13:05 PLOT BY : torner PLOT NAME : PLOT SCALE : 400:1

2

LEGEND

WORK ZONE

DIRECTION OF TRAFFIC

N

MERRILL HILLS CT

SUMMIT AVE

FIDDLERS CREEK DR

END PROJECT
ID 2788-00-71
BEGIN PROJECT
ID 2788-02-70 (BY OTHERS)
STA 273+75.00

CONSTRUCT TEMPORARY BYPASS

CONSTRUCTION
BY OTHERS

MERRILL HILLS RD

CTH TT

MADISON ST

KISDON HILL DR

48+41

50+00

35+00

A 240+00

A 245+00

A 250+00

A 255+00

45+00

A 260+00

A 265+00

A 270+00

A 275+00

A 280+00

A 285+00

A 290+00

55+00

55+00

APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	TRAFFIC CONTROL - STAGE 1 OVERVIEW	SHEET	E

PRE_82

2

STAGE 2A - CONSTRUCTION

REPLACE MEDIAN ISLANDS WITH TEMPORARY PAVEMENT IN AREAS OF TEMPORARY TRAFFIC AT THE STH 59/CTH X INTERSECTION.

CONSTRUCT NEW ALIGNMENT SECTIONS OF NB AND SB WAUKESHA BYPASS FROM BEGINNING OF PROJECT TO APPROXIMATELY STA. 215+00.

CONSTRUCT SB WAUKESHA BYPASS FROM STA. 215+00 TO END OF PROJECT STA. 273+75.

CONSTRUCT STH 59/CTH X INTERSECTION, GAPS TO REMAIN.

CONSTRUCT WB LANES OF STH 59.

CONSTRUCT SB LANES OF CTH X.

CONSTRUCT SKYLESVILLE ROAD FROM STA. 15+15 TO STH 59, GAPS TO REMAIN.

CONSTRUCT GREEN LANE, MACARTHUR ROAD, KAME TERRACE AND MERRILL HILLS COURT.

CONSTRUCT WEST LEG OF MADISON STREET.

AT GRADE RAILROAD CROSSING WILL BE CONSTRUCTED.

CONSTRUCTION OF BRIDGES IN STAGE 1 CONTINUES.

BEGIN CONSTRUCTION OF CULVERT AT STA. 242+50.

STAGE 2A - TRAFFIC

CTH TT/MERRILL HILLS ROAD TRAFFIC MAINTAINED FROM STH 59 TO SOUTH OF KAME TERRACE AND USES TEMPORARY BYPASS CONSTRUCTED IN STAGE 1.

CTH X HAS 2-WAY TRAFFIC ON EXISTING NB LANES.

STH 59 HAS 2-WAYS TRAFFIC ON EXISTING EB LANES.

CTH D, SAYLESVILLE ROAD AND ALL SIDE ROADS TO REMAIN OPEN.

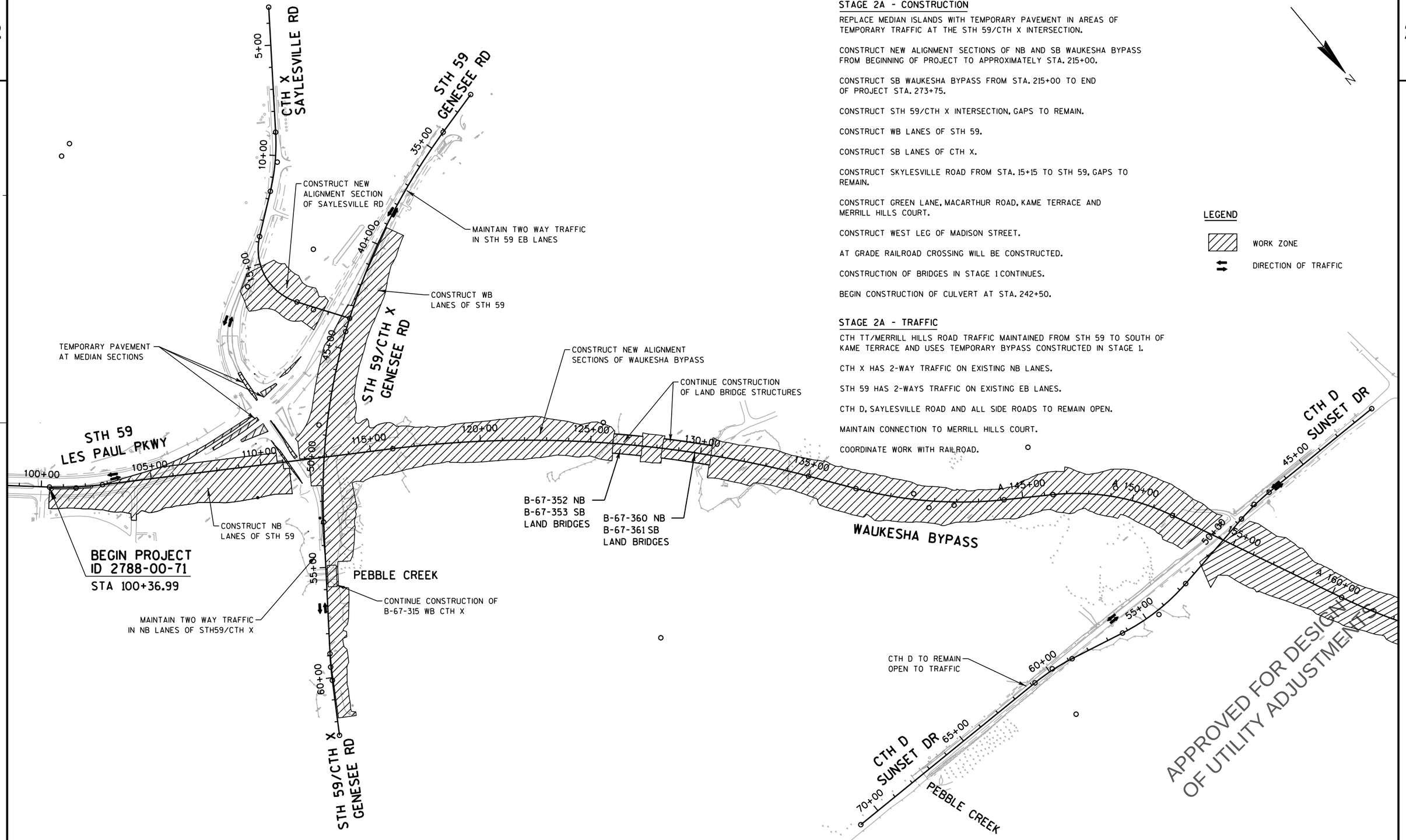
MAINTAIN CONNECTION TO MERRILL HILLS COURT.

COORDINATE WORK WITH RAILROAD.

LEGEND

WORK ZONE

DIRECTION OF TRAFFIC



APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	TRAFFIC CONTROL - STAGE 2A OVERVIEW	SHEET E

FILE NAME : F:\BM1-3324 USH 18 Bypass\5_Design\03_Roads\cds\by_026124_S2A.dgn PLOT DATE : 11-APR-2016 13:06 PLOT BY : torner PLOT NAME : PLOT SCALE : 400:1
WISDOT/CADDS SHEET 42

2

N

LEGEND

WORK ZONE

DIRECTION OF TRAFFIC

CONSTRUCT PROPOSED NEW ALIGNMENT WAUKESHA BYPASS

WAUKESHA BYPASS

A 165+00

A 170+00

A 175+00

A 180+00

A 185+00

A 190+00

A 195+00

A 200+00

A 205+00

A 210+00

A 215+00

A 220+00

A 225+00

A 230+00

GREEN LN

GLACIAL DRUMLIN TRAIL

PEBBLE CREEK

CONSTRUCT GREEN LANE

CONSTRUCT MACARTHUR ROAD

WI & SOUTHERN RR

COORDINATE ALL WORK WITH RAILROAD

B-67-354 NB
B-67-355 SB
PEBBLE CREEK BRIDGE

C-67-88

MACARTHUR RD

MERRILL HILLS RD

CTH TT

EXISTING ROADWAY REMAINS OPEN TO TRAFFIC

TEMPORARY BYPASS CONSTRUCTED IN STAGE 1

KAME TERRACE

CONSTRUCT KAME TERRACE

45+00

55+00

60+00

62+50

70+00

75+00

80+00

85+00

90+00

92+25

APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	TRAFFIC CONTROL - STAGE 2A OVERVIEW	SHEET	E

PRE_84

FILE NAME : F:\BM1-3324 USH 18 Bypass\5_Design\03_Roads\cds\by_026125_S2A.dgn PLOT DATE : 11-APR-2016 13:06 PLOT BY : torner PLOT NAME : PLOT SCALE : 400:1

WISDOT/CADDS SHEET 42

2

LEGEND

WORK ZONE

DIRECTION OF TRAFFIC

N

MERRILL HILLS CT

48+41

50+00

35+00

C-67-91

CONSTRUCT SB LANES OF PROPOSED NEW ALIGNMENT WAUKESHA BYPASS

A 240+00

WAUKESHA BYPASS

A 245+00

A 250+00

45+00

A 255+00

TEMPORARY BYPASS CONSTRUCTED IN STAGE 1

MERRILL HILLS RD

A 260+00

CTH TT

A 265+00

A 270+00

END PROJECT
ID 2788-00-71
BEGIN PROJECT
ID 2788-02-70 (BY OTHERS)
STA 273+75.00

A 275+00

A 280+00

FIDDLERS CREEK DR

SUMMIT AVE

A 285+00

WAUKESHA BYPASS

A 290+00

A 295+00

55+00

MADISON ST

55+00

KISDON HILL DR

CONSTRUCTION BY OTHERS

APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	TRAFFIC CONTROL - STAGE 2A OVERVIEW	SHEET E

PRE_85

2

N

CTH X
SAYLESVILLE RD

STH 59
GENESEE RD

STH 59/CTH X
GENESEE RD

STH 59
LES PAUL PKWY

CONSTRUCT CYH X
SAYLESVILLE RD
(DETOURED)

CONTINUE CONSTRUCTION
OF STH 59/CTH X INTERSECTION

B-67-360 NB
B-67-361 SB
LAND BRIDGES

B-67-352 NB
B-67-353 SB
LAND BRIDGES

CONTINUE CONSTRUCTION
OF LAND BRIDGES

CONTINUE CONSTRUCTION OF
NEW ALIGNMENT WAUKESHA BYPASS

WAUKESHA BYPASS

CTH D
SUNSET DR

CTH D REMAINS
OPEN TO TRAFFIC

PEBBLE CREEK

BEGIN PROJECT
ID 2788-00-71
STA 100+36.99

LEGEND

- WORK ZONE
- CONTINUING WORK ZONE
- DIRECTION OF TRAFFIC

STAGE 2B - CONSTRUCTION

CONSTRUCTION OF SOUTH SECTION OF CTH X, SAYLESVILLE RD.

CONTINUED CONSTRUCTION OF WAUKESHA BYPASS AND STRUCTURES.

STAGE 2B - TRAFFIC

STAGE 2B TRAFFIC THE SMAE AS STAGE 2A EXCEPT FOR SE SECTION OF SAYLESVILLE ROAD.

FLAGGING OPERATIONS OR SHORT-TERM DETOUR OF SAYLESVILLE ROAD.

APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	TRAFFIC CONTROL - STAGE 2B OVERVIEW	SHEET	E

PRE_86

2

N

LEGEND

- WORK ZONE
- CONTINUING WORK ZONE
- DIRECTION OF TRAFFIC

CONSTRUCT PROPOSED NEW ALIGNMENT WAUKESHA BYPASS

WAUKESHA BYPASS

A 185+00 A 190+00 A 195+00 A 200+00 A 205+00 A 210+00 A 215+00 A 220+00 A 225+00 A 230+00

A 165+00 A 170+00 A 175+00 A 180+00

CONSTRUCT MACARTHUR ROAD

CONSTRUCT GREEN LANE

CONSTRUCT KAME TERRACE

B-67-354 NB
B-67-355 SB
PEBBLE CREEK BRIDGE

C-67-88

EXISTING ROADWAY REMAINS OPEN TO TRAFFIC

TEMPORARY BYPASS CONSTRUCTED IN STAGE 1

MERRILL HILLS RD

CTH TT

MACARTHUR RD

WI & SOUTHERN RR

GLACIAL DRUMLIN TRAIL

GREEN LN

PEBBLE CREEK

KAME TERRACE

45+00 50+00 55+00 60+00 62+50 70+00 75+00 80+00 85+00 90+00 92+25

APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	TRAFFIC CONTROL - STAGE 2B OVERVIEW	SHEET	E

PRE_87

FILE NAME : F:\BM1-3324 USH 18 Bypass\5_Design\03_Roads\cds\by_026128_S2B.dgn PLOT DATE : 11-APR-2016 13:07 PLOT BY : torner PLOT NAME : PLOT SCALE : 400:1

WISDOT/CADDS SHEET 42

2

LEGEND

WORK ZONE

CONTINUING WORK ZONE

DIRECTION OF TRAFFIC

END PROJECT
ID 2788-00-71
BEGIN PROJECT
ID 2788-02-70 (BY OTHERS)
STA 273+75.00

MERRILL HILLS CT

MERRILL HILLS RD

WAUKESHA BYPASS

CTH TT

MADISON ST

KISDON HILL DR

FIDDLERS CREEK DR

SUMMIT AVE

C-67-91

CONSTRUCTION
BY OTHERS

APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS

PROJECT NO: 2788-00-01	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	TRAFFIC CONTROL - STAGE 2B OVERVIEW	SHEET E

PRE_88

2

LEGEND

- WORK ZONE
- CONTINUING WORK ZONE
- DIRECTION OF TRAFFIC

STAGE 2C - CONSTRUCTION

CONTINUED CONSTRUCTION OF WAUKESHA BYPASS AND STRUCTURES FROM BEGINNING OF PROJECT TO STA. 215+00. COMPLETE BRIDGES AND CULVERT STRUCTURES STARTED IN PREVIOUS STAGES.

CONSTRUCT NB WAUKESHA BYPASS LANES FROM STA. 215+00 TO END OF PROJECT

CONSTRUCT CTH D

CONSTRUCT PORTION OF GLACIAL DRUMLIN STATE TRAIL BOX CULVERT OUTSIDE OF EXISTING MERRILL HILLS ROAD.

CONSTRUCT EAST LEG OF MADISON STREET

CONSTRUCT RETAINING WALL NORTH OF MADISON STREET

STAGE 2C - TRAFFIC

STAGE 2A TRAFFIC CONTINUES FROM BEGINNING OF PROJECT TO STA. 215+00.

CTH TT/MERRILL HILLS ROAD TRAFFIC REMAINS ON EXISTING ROADWAY FROM STH 59 TO SOUTH OF KAME TERRACE AND USES SB WAUKESHA BYPASS LANES FROM STA. 215+00 TO END OF PROJECT CONSTRUCTED IN STAGE 2A.

CTH D DETOURED.

GLACIAL DRUMLIN TRAIL ON TEMPORARY CONNECTION DUE TO BYPASS BOX CULVERT CONSTRUCTION.

CTH X SAYLESVILLE RD
5+00
10+00
15+00
STH 59 GENESEE RD
35+00
40+00
45+00
STH 59/CTH X GENESEE RD
50+00
55+00
60+00
STH 59/CTH X GENESEE RD
STH 59 LES PAUL PKWY
100+00
105+00
110+00
115+00
120+00
125+00
130+00
135+00
B-67-360 NB
B-67-361 SB
LAND BRIDGES
B-67-352 NB
B-67-353 SB
LAND BRIDGES
CONTINUE CONSTRUCTION OF NEW ALIGNMENT WAUKESHA BYPASS
WAUKESHA BYPASS
A 145+00
A 150+00
A 160+00
BEGIN PROJECT
ID 2788-00-71
STA 100+36.99
PEBBLE CREEK
CTH D SUNSET DR
45+00
50+00
55+00
60+00
65+00
70+00
CONSTRUCT CTH D (SEE DETOUR)
PEBBLE CREEK
N

APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	TRAFFIC CONTROL - STAGE 2C OVERVIEW	SHEET	E

PRE_89

2

2

N

LEGEND

WORK ZONE

CONTINUING WORK ZONE

DIRECTION OF TRAFFIC

GREEN LN

GLACIAL DRUMLIN TRAIL

PEBBLE CREEK

WAUKESHA BYPASS

A 165+00

A 170+00

A 175+00

A 180+00

A 185+00

A 190+00

A 195+00

A 200+00

A 205+00

A 210+00

A 215+00

A 220+00

A 225+00

A 230+00

45+00

50+00

55+00

60+00

62+50

70+00

75+00

80+00

85+00

90+00

92+25

CONSTRUCT GREEN LANE

CONSTRUCT MACARTHUR ROAD

B-67-354 NB
B-67-355 SB
PEBBLE CREEK BRIDGE

C-67-88

CONSTRUCT PORTION OF GLACIAL DRUMLIN STATE TRAIL BOX CULVERT (TRAIL DETOUR REQ'D)

WI & SOUTHERN RR

MACARTHUR RD

MERRILL HILLS RD

CTH TT

EXISTING ROADWAY REMAINS OPEN TO TRAFFIC

KAME TERRACE

TRAFFIC SHIFTED TO PROPOSED SB WAUKESHA BYPASS LANES CONSTRUCTED IN STAGE 2A

CLOSE MERRILL HILLS ROAD

APPROVED FOR DESIGN OF UTILITY ADJUSTMENTS

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	TRAFFIC CONTROL - STAGE 2C OVERVIEW	SHEET	E

PRE_90

FILE NAME : F:\BM1-3324 USH 18 Bypass\5_Design\03_Roads\cds\by_026131_S2C.dgn PLOT DATE : 11-APR-2016 13:08 PLOT BY : torner PLOT NAME : PLOT SCALE : 400:1

WISDOT/CADDS SHEET 42

2

LEGEND

WORK ZONE

CONTINUING WORK ZONE

DIRECTION OF TRAFFIC

N

END PROJECT
ID 2788-00-71
BEGIN PROJECT
ID 2788-02-70 (BY OTHERS)
STA 273+75.00

MERRILL HILLS CT

SUMMIT AVE

FIDDLERS CREEK DR

C-67-91

WAUKESHA BYPASS

MERRILL HILLS RD

CTH TT

KISDON HILL DR

MADISON ST

CONSTRUCT NB LANES OF
PROPOSED WAUKESHA BYPASS

CONSTRUCT EAST
LEG OF MADISON ST

CONSTRUCTION
BY OTHERS

50+00 48+41

235+00

A 240+00

A 245+00

A 250+00

A 255+00

A 260+00

A 265+00

A 270+00

275+00

A 280+00

A 285+00

A 290+00

45+00

55+00

55+00

APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS

PROJECT NO: 2788-00-01	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	TRAFFIC CONTROL - STAGE 2C OVERVIEW	SHEET E

PRE_91

FILE NAME : F:\BM1-3324 USH 18 Bypass\5_Design\03_Roads\cds\by_026132_S2C.dgn PLOT DATE : 11-APR-2016 13:08 PLOT BY : torner PLOT NAME : PLOT SCALE : 400:1

WISDOT/CADDS SHEET 42

2

LEGEND

WORK ZONE

DIRECTION OF TRAFFIC

STAGE 3 - CONSTRUCTION

CONSTRUCT WB LANES OF STH 59/CTH X.

COMPLETE CONSTRUCTION OF GLACIAL DRUMLIN STATE TRAIL BOX CULVERT.

CONSTRUCT MERRILL HILLS ROAD CUL-DE-SACS.

COMPLETE SIDE ROAD CONNECTIONS.

COMPLETE MEDIAN WORK IN NORTH PROJECT AREA THAT REMAINS FROM STAGE 2A AND 2B CROSS-OVERS.

CONSTRUCT FINISHING ITEMS IN MEDIAN.

STAGE 3 - TRAFFIC

TRAFFIC ON PROPOSED WAUKESHA BYPASS LANES. SINGLE LANE. SHORT-TERM CLOSURES MAY BE NECESSARY TO COMPLETE MISCELLANEOUS WORK.

GLACIAL DRUMLIN STATE TRAIL ON TEMPORARY CONNECTION DUE TO BYPASS BOX CULVERT CONSTRUCTION.

STH 59 HAS 2-WAY TRAFFIC ON PROPOSED WB LANES.

CTH X HAS 2-WAY TARFFIC ON PROPOSED SB LANES.

N

CTH X
SAYLESVILLE RD

STH 59
GENESEE RD

CONSTRUCT NB
LANES OF STH 59

STH 59 TO HAVE TWO WAY
TRAFFIC ON PROPOSED SB LANES

SHIFT SINGLE LANE OF
TRAFFIC IN EACH DIRECTION
TO PROPOSED WAUKESHA BYPASS

B-67-360 NB
B-67-361 SB
LAND BRIDGES

B-67-352 NB
B-67-353 SB
LAND BRIDGES

STH 59/CTH X
GENESEE RD

STH 59
LES PAUL PKWY

BEGIN PROJECT
ID 2788-00-71
STA 100+36.99

B-67-315

PEBBLE CREEK

CONSTRUCT B-67-314

CTH X TO HAVE TWO WAY
TRAFFIC ON PROPOSED SB LANES

CONSTRUCT NB
LANES OF STH 59/CTH X

WAUKESHA BYPASS

CTH D
SUNSET DR

PEBBLE CREEK

APPROVED FOR DESIGN
OF UTILITY ADJUSTMENT

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	TRAFFIC CONTROL - STAGE 3 OVERVIEW	SHEET	E

PRE_92

FILE NAME : F:\BM1-3324 USH 18 Bypass\5_Design\03_Roads\cds\by_026133_S3.dgn PLOT DATE : 11-APR-2016 13:10 PLOT BY : torner PLOT NAME : PLOT SCALE : 400:1

2

2

N

LEGEND

WORK ZONE

DIRECTION OF TRAFFIC

COMPLETE CONSTRUCTION OF GLACIAL DRUMUN STATE TRAIL BOX CULVERT (TRAIL DETOUR REQ'D)

GLACIAL DRUMLIN TRAIL

GREEN LN

COMPLETE CONNECTION TO GREEN LANE

CONSTRUCT MERRIL HILLS ROAD CUL DE SAC

PEBBLE CREEK

WAUKESHA BYPASS

A 165+00

A 170+00

A 175+00

A 180+00

A 185+00

A 190+00

A 195+00

A 200+00

A 205+00

A 210+00

A 215+00

A 220+00

A 225+00

A 230+00

60+00

62+50

45+00

55+00

70+00

75+00

80+00

85+00

90+00

92+25

B-67-354 NB
B-67-355 SB
PEBBLE CREEK BRIDGE

C-67-88

CONSTRUCT TRAIL CONNECTIONS TO BYPASS

WI & SOUTHERN RR

MACARTHUR RD

COMPLETE CONNECTION TO MERRILL HILLS ROAD

CONSTRUCT MERRIL HILLS ROAD CUL DE SAC

MERRILL HILLS RD

CTH TT

CONSTRUCT MERRIL HILLS ROAD CUL DE SAC

KAME TERRACE

CONSTRUCT MERRIL HILLS ROAD CUL DE SAC

APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	TRAFFIC CONTROL - STAGE 3 OVERVIEW	SHEET	E

PRE_93

FILE NAME : F:\BM1-3324 USH 18 Bypass\5_Design\03_Roads\cds\by_026134_S3.dgn PLOT DATE : 11-APR-2016 13:10 PLOT BY : torner PLOT NAME : PLOT SCALE : 400:1

WISDOT/CADDS SHEET 42

2

LEGEND

WORK ZONE

DIRECTION OF TRAFFIC

N

MERRILL HILLS CT

SUMMIT AVE

FIDDLERS CREEK DR

WAUKESHA BYPASS

C-67-91

END PROJECT
ID 2788-00-71
BEGIN PROJECT
ID 2788-02-70 (BY OTHERS)
STA 273+75.00

50+00

48+41

235+00

A 240+00

A 245+00

A 250+00

A 255+00

45+00

A 260+00

A 265+00

A 270+00

A 275+00

A 280+00

A 285+00

A 290+00

A 295+00

55+00

55+00

CONSTRUCT MEDIAN OF
WAUKESHA BYPASS

CONSTRUCTION
BY OTHERS

MADISON ST

KISDON HILL DR

APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS

PROJECT NO: 2788-00-01	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	TRAFFIC CONTROL - STAGE 3 OVERVIEW	SHEET E

PRE_94

FILE NAME : F:\BM1-3324 USH 18 Bypass\5_Design\03_Roads\cds\by_026135_S3.dgn PLOT DATE : 11-APR-2016 13:10 PLOT BY : torner PLOT NAME : PLOT SCALE : 400:1

WISDOT/CADDS SHEET 42

2

LEGEND

WORK ZONE

DIRECTION OF TRAFFIC

STAGE 4 - CONSTRUCTION

CONSTRUCT WAUKESHA BYPASS GAPS.

CONSTRUCT STH 59 AT SOUTH PROJECT LIMITS.

STAGE 4 - TRAFFIC

TRAFFIC ON PROPOSED WAUKESHA BYPASS LANES. SINGLE LANE, SHORT TERM LANE CLOSURE TO COMPLETE GAPS ON WAUKESHA BYPASS.

FLAGGING OPERATIONS OR SHORT-TERM DETOUR OF STH 59.

N

CTH X
SAYLESVILLE RD

STH 59
GENESEE RD

5+00
10+00
15+00
35+00
40+00
45+00

COMPLETE STH 59
CONSTRUCTION AND
WAUKESHA BYPASS GAPS

STH 59/CTH X
GENESEE RD

COMPLETE STH 59
CONSTRUCTION AND
WAUKESHA BYPASS
GAPS

STH 59
LES PAUL PKWY

100+00
105+00
110+00
115+00
120+00
125+00
130+00
135+00
A 145+00
A 150+00
A 160+00
50+00
55+00
60+00
65+00
70+00
80+00

B-67-360 NB
B-67-361 SB
LAND BRIDGES

B-67-352 NB
B-67-353 SB
LAND BRIDGES

WAUKESHA BYPASS

CTH D
SUNSET DR

BEGIN PROJECT
ID 2788-00-71
STA 100+36.99

B-67-315

PEBBLE CREEK

B-67-314

STH 59/CTH X
GENESEE RD

CTH D
SUNSET DR

PEBBLE CREEK

APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	TRAFFIC CONTROL - STAGE 4 OVERVIEW	SHEET E

PRE_95

2

N

LEGEND

WORK ZONE

DIRECTION OF TRAFFIC

GREEN LN

GLACIAL DRUMLIN TRAIL

WAUKESHA BYPASS

WI & SOUTHERN RR

MACARTHUR RD

MERRILL HILLS RD

CTH TT

KAME TERRACE

A 165+00
A 170+00
A 175+00
A 180+00
A 185+00
A 190+00
A 195+00
A 200+00
A 205+00
A 210+00
A 215+00
A 220+00
A 225+00
A 230+00

45+00
60+00
62+50
70+00
75+00
55+00
80+00
85+00
45+00
90+00
92+25

B-67-354 NB
B-67-355 SB
PEBBLE CREEK BRIDGE

C-67-88

APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	TRAFFIC CONTROL - STAGE 4 OVERVIEW	SHEET E

PRE_96

LEGEND

WORK ZONE

DIRECTION OF TRAFFIC

N

MERRILL HILLS CT

C-67-91

WAUKESHA BYPASS

END PROJECT
ID 2788-00-71
BEGIN PROJECT
ID 2788-02-70 (BY OTHERS)
STA 273+75.00

FIDDLERS CREEK DR

SUMMIT AVE

50+00
48+41
235+00
A 240+00
A 245+00
A 250+00
A 255+00
45+00
A 260+00
A 265+00
A 270+00
A 275+00
A 280+00
A 285+00
A 290+00
A 295+00

CONSTRUCT MEDIAN OF
WAUKESHA BYPASS

55+00
MADISON ST

55+00
KISDON HILL DR

CONSTRUCTION
BY OTHERS

APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	TRAFFIC CONTROL - STAGE 4 OVERVIEW	SHEET E

PRE_97

FILE NAME : F:\BM1-3324 USH 18 Bypass\5_Design\03_Roads\cds\by_026143_S4.dgn PLOT DATE : 11-APR-2016 13:11 PLOT BY : torner PLOT NAME : PLOT SCALE : 400:1

WISDOT/CADDS SHEET 42

2

BEGIN CONSTRUCTION
STA 7+50.00

N 36°28'27" E
567.37'

SAYLESVILLE RD

5+00

CURVE 14

PC 14

10+00

PI 14

N 52°59'29" E
210.69'

PT 14

CTH X

PC 15

R/L SAYLESVILLE RD

15+00

CURVE 15

PI 15

PT 15

N 33°09'25" W
249.40'

PCC 16
PCC 17

45+00

R/L STH 59

CURVE 17

BEGIN PROJECT
STA 100+36.99
X=672902.16
Y=149229.17

CURVE 1

100+00

105+00

110+00

PC 1 PI 1 PT 1

STH 59
LES PAUL PKWY

N 48°15'24" W
380.00'

N 57°26'20" W
1324.89'

PI 17

50+00

PT 17

55+00

N 36°53'39" E
596.59'

R/L GENESEE ROAD

CURVE 18

PC 18

PI 18

60+00

PT 18

N 32°15'30" E
251.23'

END CONSTRUCTION
STA 61+80.00

N 75°47'47" E
211.03'

STH 59
GENESEE RD

BEGIN CONSTRUCTION
STA 34+11.03

35+00

PC 16

CURVE 16

PI 16

40+00

115+00

PC 2

WAUKESHA BYPASS

120+00

PI 2

125+00

CURVE 2

130+00

135+00

PT 2

PC 3

CURVE 3

PI 3

A 145+00

PT 3

PC 4

CURVE 4

PI 4

150+00

PT 4

R/L WAUKESHA BYPASS

N 56°21'25" W
222.86'

N 24°30'59" W
851.77'

135+82.92 BK=
A 136+00.00 AH

EQUATION

N 35°41'32" W
221.89'

CURVE 1

PC = 100+36.99
X = 672902.16
Y = 149229.18
PI = 101+57.44
X = 672812.29
Y = 149309.37
PT = 102+77.38
X = 672710.77
Y = 149374.20
R = 1500.00
DELTA = 9°10'56" LT
D = 3°49'11"
L = 240.39
T = 120.45
BK = N 48°15'24" W
AH = N 57°26'20" W
SE = SEE SE CHART

CURVE 2

PC = 116+02.27
X = 671594.13
Y = 150087.25
PI = 125+62.72
X = 670784.64
Y = 150604.16
PT = 135+00.04
X = 670224.29
Y = 151384.20
R = 5000.00
DELTA = 21°44'49" RT
D = 1°08'45"
L = 1897.77
T = 960.45
BK = N 57°26'20" W
AH = N 35°41'32" W
SE = 2.0%

CURVE 3

PC = A 137+39.02
X = 670094.83
Y = 151564.41
PI = A 140+80.86
X = 669895.39
Y = 151842.05
PT = A 144+15.28
X = 669610.81
Y = 152031.43
R = 1875.00
DELTA = 20°39'54" LT
D = 3°03'21"
L = 676.26
T = 341.84
BK = N 35°41'32" W
AH = N 56°21'25" W
SE = 3.3%

CURVE 4

PC = A 146+38.14
X = 669425.28
Y = 152154.90
PI = A 149+23.38
X = 669187.81
Y = 152312.93
PT = A 151+93.86
X = 669069.45
Y = 152572.45
R = 1000.00
DELTA = 31°50'26" RT
D = 5°43'46"
L = 555.72
T = 285.24
BK = N 56°21'25" W
AH = N 24°30'59" W
SE = 4.0%

CURVE 5

PC = A 160+45.63
X = 668716.01
Y = 153347.43
PI = A 165+22.70
X = 668518.04
Y = 153781.49
PT = A 169+86.98
X = 668166.49
Y = 154103.99
R = 2350.00
DELTA = 22°57'05" LT
D = 2°26'17"
L = 941.35
T = 477.07
BK = N 24°30'59" W
AH = N 47°28'04" W
SE = 4.0%

CURVE 14

PC = 8+94.47
X = 671088.13
Y = 148645.00
PI = 10+30.19
X = 671168.81
Y = 148754.13
PT = 11+64.02
X = 671277.18
Y = 148835.82
R = 935.00
DELTA = 16°31'02" RT
D = 6°07'40"
L = 269.54
T = 135.71
BK = N 36°28'27" E
AH = N 52°59'29" E
SE = 3.5%

CURVE 15

PC = 13+74.71
X = 671445.42
Y = 148962.64
PI = 16+08.44
X = 671632.07
Y = 149103.33
PT = 17+50.60
X = 671504.23
Y = 149299.01
R = 250.00
DELTA = 86°08'54" LT
D = 22°55'06"
L = 375.89
T = 233.73
BK = N 52°59'29" E
AH = N 33°09'25" W
SE = 4.0%

CURVE 16

PC = 34+11.03
X = 670503.91
Y = 149128.92
PI = 39+21.63
X = 670998.90
Y = 149254.20
PCC = 44+21.62
X = 671420.13
Y = 149542.79
R = 2864.79
DELTA = 20°12'43" LT
D = 2°00'00"
L = 1010.59
T = 510.60
BK = N 75°47'47" E
AH = N 55°35'04" E
SE = 3.0%

CURVE 17

PCC = 44+21.62
X = 671420.13
Y = 149542.79
PI = 48+61.83
X = 671783.29
Y = 149791.59
PT = 52+94.22
X = 672047.56
Y = 150143.65
R = 2675.00
DELTA = 18°41'25" LT
D = 2°08'31"
L = 872.60
T = 440.21
BK = N 55°35'04" E
AH = N 36°53'39" E
SE = 2.8%

CURVE 18

PC = 58+90.81
X = 672405.72
Y = 150620.77
PI = 59+51.53
X = 672442.17
Y = 150669.33
PT = 60+12.18
X = 672474.57
Y = 150720.67
R = 1499.75
DELTA = 4°38'11" LT
D = 3°49'13"
L = 121.36
T = 60.71
BK = N 36°53'41" E
AH = N 32°15'30" E
SE = 3.6%

BEGIN CONSTRUCTION
STA 41+97.30

S 89°30'59" E
599.10'

45+00

PC 19

PI 19

CURVE 19

PT 19

50+00

55+00

N 80°29'01" E
386.50'

PC 20

CURVE 20

PI 20

PT 20

A 160+00

PC 5

CURVE 5

60+00

PC 21

PI 21

PT 21

S 77°19'48" E
256.30'

CURVE 21

R/L SUNSET DRIVE

S 89°30'59" E
1017.19'

CTH D
SUNSET DR

65+00

70+00

END CONSTRUCTION
STA 63+00.00

CURVE 19

PC = 46+99.12
X = 668664.79
Y = 152770.86
PI = 47+86.61
X = 668752.28
Y = 152770.12
PT = 48+73.65
X = 668838.56
Y = 152784.59
R = 1000.00
DELTA = 10°00'00" LT
D = 5°43'46"
L = 174.53
T = 87.49
BK = s 89°30'59" E
AH = N 80°29'01" E
SE = X.X%

CURVE 20

PC = 52+60.15
X = 669219.74
Y = 152848.49
PI = 54+45.24
X = 669402.28
Y = 152879.09
PT = 56+25.69
X = 669582.87
Y = 152838.49
R = 944.00
DELTA = 22°11'11" RT
D = 6°04'10"
L = 365.54
T = 185.09
BK = N 80°29'01" E
AH = S 77°19'48" E
SE = X.X%

CURVE 21

PC = 58+81.99
X = 669832.93
Y = 152782.28
PI = 59+82.77
X = 669931.25
Y = 152760.17
PT = 60+82.78
X = 670032.01
Y = 152759.32
R = 944.00
DELTA = 12°11'11" LT
D = 6°04'10"
L = 200.78
T = 100.77
BK = S 77°19'48" E
AH = S 89°30'59" E
SE = X.X%

APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	ALIGNMENT PLAN	SHEET E

PRE_98

FILE NAME : F:\BM1-3324 USH 18 Bypass\5_Design\03_Roads\cds\by_027201_ad.dgn PLOT DATE : 11-APR-2016 13:12 PLOT BY : torner PLOT NAME : PLOT SCALE : 400:1

WISDOT/CADDS SHEET 42

2

2

N

CURVE 22

PC = 45+42.30
X = 668004.79
Y = 153749.72
PI = 45+73.01
X = 668035.33
Y = 153752.99
PT = 46+03.42
X = 668065.75
Y = 153748.77
R = 250.00
DELTA = 14°00'27" RT
D = 22°55'06"
L = 61.12
T = 30.71
BK = N 83°53'10" E
AH = S 82°06'24" E
SE = 3.0%

CURVE 6

PC = A 180+82.62
X = 667359.12
Y = 154844.65
PI = A 196+18.01
X = 666227.69
Y = 155882.58
PT = A 207+01.54
X = 666938.06
Y = 157243.76
R = 2000.00
DELTA = 75°01'36" RT
D = 2°51'53"
L = 2618.92
T = 1535.39
BK = N 47°28'04" W
AH = N 27°33'32" E
SE = 3.2%

PI 6

R/L WAUKESHA BYPASS

CURVE 6

A 180+00
A 185+00
A 190+00
A 195+00
A 200+00
A 205+00
A 210+00
A 215+00
A 220+00

PT 6

BEGIN CONSTRUCTION
STA 42+92.71

R/L GREEN LN

N 06°06'50" W
250.00'

R/L MERRILL HILLS ROAD

N 57°30'46" E
320.41'

PC 31

CURVE 31

PI 31

PT 31

N 83°11'48" E
335.28'

END CONSTRUCTION
STA 56+48.15

R/L MACARTHUR RD

N 27°33'32" E
1179.47'

N 00°57'38" E
500.00'

80+00
85+00

MERRILL HILLS RD

R/L MERRILL HILLS ROAD

R/L KAME TER
S 70°12'04" E
575.78'

45+00

KAME TERRACE

BEGIN CONSTRUCTION
STA 48+35.00

R/L MERRILL HILLS ROAD

N 12°21'16" E
119.16'

90+00
92+25

MERRILL HILLS RD
N 12°21'16" E
105.84'

A 225+00
A 230+00

PI 7

50+00

WAUKESHA BYPASS

PC 7

CURVE 7

60+00
62+50
70+00
75+00

A 170+00
A 175+00

WAUKESHA BYPASS

R/L GREEN LN

N 83°53'10" E
200.03'

45+00

PC 22
PI 22
PT 22

CURVE 22

S 82°06'24" E
146.42'

CURVE 23

PT 23
PI 23
PC 23

A 165+00

N 62°37'58" E
96.30'

PI 5

PT 5

R/L MERRILL HILLS ROAD

N 47°28'04" W
1095.64'

N 05°56'00" W
500.00'

55+00

MACARTHUR RD

CURVE 31

PC = 53+20.41
X = 667294.38
Y = 155416.32
PI = 54+44.65
X = 667399.17
Y = 155483.05
PT = 55+64.72
X = 667522.54
Y = 155497.76
R = 545.00
DELTA = 25°41'02" RT
D = 10°30'47"
L = 244.31
T = 124.24
BK = N 57°30'46" E
AH = N 83°11'48" E
S.E. = N.C.

CURVE 23

PC = 47+49.84
X = 668210.79
Y = 153728.66
PI = 48+29.29
X = 668289.48
Y = 153717.75
PT = 49+03.70
X = 668360.04
Y = 153754.28
R = 250.00
DELTA = 35°15'38" LT
D = 22°55'06"
L = 153.85
T = 79.45
BK = S 82°06'24" E
AH = N 62°37'58" E
SE = 4.0%

CURVE 7

PC = A 218+81.01
X = 667483.75
Y = 158289.41
PI = A 231+15.16
X = 668054.74
Y = 159383.52
PT = A 243+39.02
X = 668369.08
Y = 160576.96
R = 11000.00
DELTA = 12°48'11" LT
D = 0°31'15"
L = 2458.01
T = 1234.14
BK = N 27°33'32" E
AH = N 14°45'21" E
SE = SEE SE CHART

APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	ALIGNMENT PLAN	SHEET E

PRE_99

FILE NAME : F:\BM1-3324 USH 18 Bypass\5_Design\03_Roads\cds\by_027202_ad.dgn PLOT DATE : 11-APR-2016 13:12 PLOT BY : torner PLOT NAME : PLOT SCALE : 400:1

WISDOT/CADDS SHEET 42

2

2

N

MERRILL HILLS CT

BEGIN CONSTRUCTION
STA 48+53.50

R/L MERRILL HILLS COURT

S 70°42'46" E
158.60'

48+41

50+00

235+00

A 240+00

WAUKESHA BYPASS

A 245+00

PT 7

CURVE 7

N 14°45'21" E
258.21'

PC 8

A 250+00

A 255+00

A 260+00

A 265+00

A 270+00

A 275+00

A 280+00

A 285+00

A 290+00

A 295+00

WAUKESHA BYPASS

BEGIN CONSTRUCTION
STA 48+00.00

R/L WAUKESHA BYPASS

45+00

S 78°20'44" E
645.72'

PI 8

R/L MADISON ST

S 76°24'28" E
795.50'

END CONSTRUCTION
STA 53+97.00

55+00

MADISON ST

CURVE 8

N 00°38'29" E
2052.19'

PT 8

S 88°44'08" E
119.63'

PC 32

CURVE 32

PI 32

PRC 32

PRC 33

PI 33

CURVE 33

PT 33

55+00

R/L KISDON HILL DR

S 76°14'06" E
239.83'

KISDON HILL DR

END PROJECT
STA A 273+75.00

CURVE 8

PC = A 245+97.23
X = 668434.85
Y = 160826.66
PI = A 255+87.62
X = 668687.10
Y = 161784.38
PT = A 265+67.97
X = 668698.19
Y = 162774.70
R = 8000.00
DELTA = 14°06'52" LT
D = 0°42'58"
L = 1970.74
T = 990.38
BK = N 14°45'21" E
AH = N 0°38'29" E
SE = SEE SE CHART

CURVE 7

PC = A 218+81.01
X = 667483.75
Y = 158289.41
PI = A 231+15.16
X = 668054.74
Y = 159383.52
PT = A 243+39.02
X = 668369.08
Y = 160576.96
R = 11000.00
DELTA = 12°48'11" LT
D = 0°31'15"
L = 2458.01
T = 1234.14
BK = N 27°33'32" E
AH = N 14°45'21" E
SE = SEE SE CHART

CURVE 32

PC = 51+19.63
X = 668812.54
Y = 162558.28
PI = 51+76.89
X = 668869.79
Y = 162557.02
PRC = 52+25.23
X = 668903.66
Y = 162603.19
R = 110.00
DELTA = 55°00'02" LT
D = 52°05'13"
L = 105.59
T = 57.26
BK = S 88°44'08" E
AH = N 36°15'50" E
S.E. = N.C.

CURVE 33

PRC = 52+25.23
X = 668903.64
Y = 162603.19
PI = 52+98.73
X = 668947.13
Y = 162662.45
PT = 53+54.82
X = 669018.52
Y = 162644.96
R = 110.00
DELTA = 67°30'04" RT
D = 52°05'13"
L = 129.59
T = 73.50
BK = N 36°15'50" E
AH = S 76°14'06" E
S.E. = N.C.

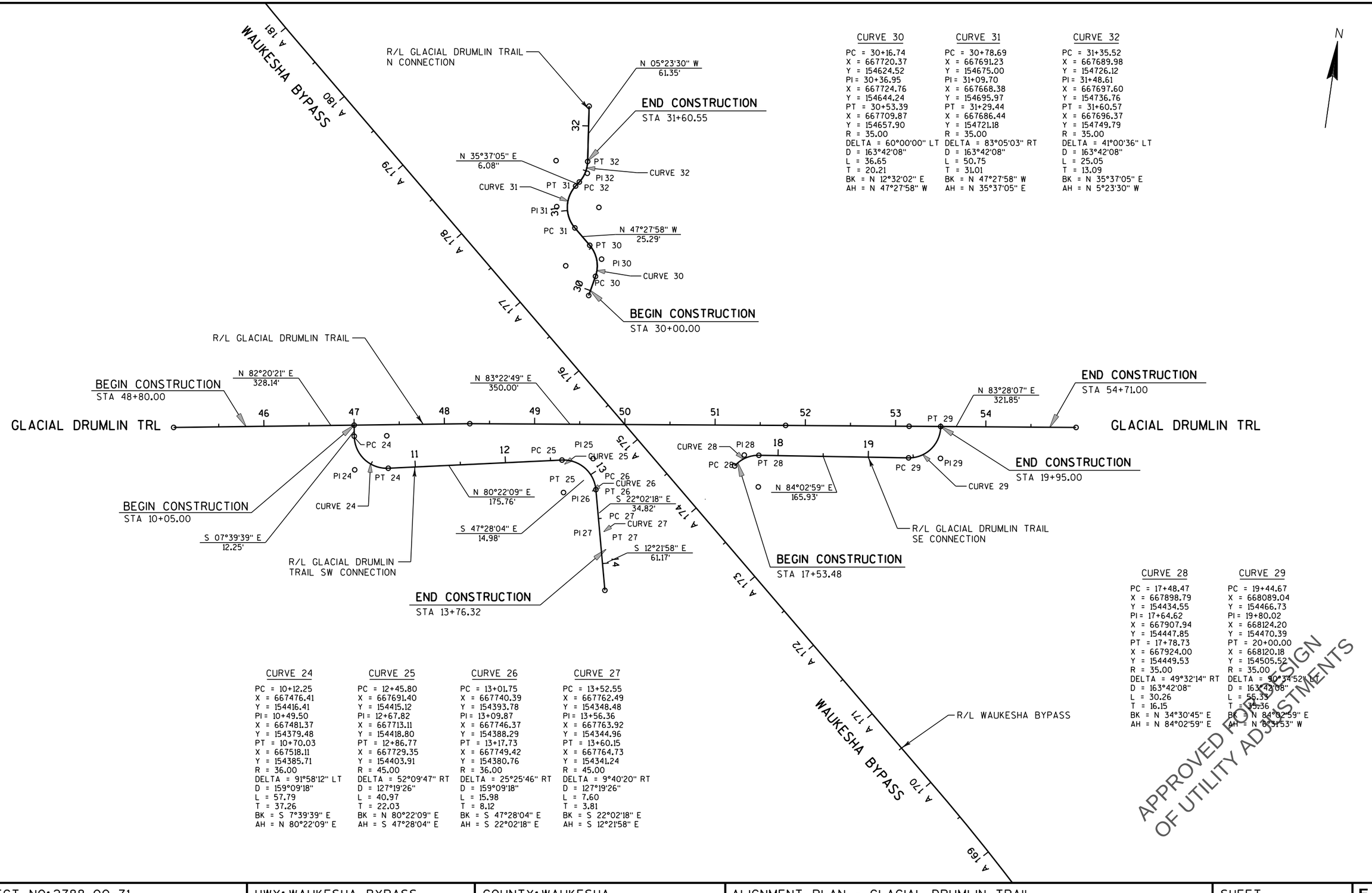
APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	ALIGNMENT PLAN	SHEET	E

PRE_100

FILE NAME : F:\BM1-3324 USH 18 Bypass\5_Design\03_Roads\cds\by_027203_ad.dgn PLOT DATE : 11-APR-2016 13:12 PLOT BY : torner PLOT NAME : PLOT SCALE : 400:1

WISDOT/CADDS SHEET 42



CURVE 30	CURVE 31	CURVE 32
PC = 30+16.74	PC = 30+78.69	PC = 31+35.52
X = 667720.37	X = 667691.23	X = 667689.98
Y = 154624.52	Y = 154675.00	Y = 154726.12
PI = 30+36.95	PI = 31+09.70	PI = 31+48.61
X = 667724.76	X = 667668.38	X = 667697.60
Y = 154644.24	Y = 154695.97	Y = 154736.76
PT = 30+53.39	PT = 31+29.44	PT = 31+60.57
X = 667709.87	X = 667686.44	X = 667696.37
Y = 154657.90	Y = 154721.18	Y = 154749.79
R = 35.00	R = 35.00	R = 35.00
DELTA = 60°00'00" LT	DELTA = 83°05'03" RT	DELTA = 41°00'36" LT
D = 163°42'08"	D = 163°42'08"	D = 163°42'08"
L = 36.65	L = 50.75	L = 25.05
T = 20.21	T = 31.01	T = 13.09
BK = N 12°32'02" E	BK = N 47°27'58" W	BK = N 35°37'05" E
AH = N 47°27'58" W	AH = N 35°37'05" E	AH = N 5°23'30" W

CURVE 24	CURVE 25	CURVE 26	CURVE 27
PC = 10+12.25	PC = 12+45.80	PC = 13+01.75	PC = 13+52.55
X = 667476.41	X = 667691.40	X = 667740.39	X = 667762.49
Y = 154416.41	Y = 154415.12	Y = 154393.78	Y = 154348.48
PI = 10+49.50	PI = 12+67.82	PI = 13+09.87	PI = 13+56.36
X = 667481.37	X = 667713.11	X = 667746.37	X = 667763.92
Y = 154379.48	Y = 154418.80	Y = 154388.29	Y = 154344.96
PT = 10+70.03	PT = 12+86.77	PT = 13+17.73	PT = 13+60.15
X = 667518.11	X = 667729.35	X = 667749.42	X = 667764.73
Y = 154385.71	Y = 154403.91	Y = 154380.76	Y = 154341.24
R = 36.00	R = 45.00	R = 36.00	R = 45.00
DELTA = 91°58'12" LT	DELTA = 52°09'47" RT	DELTA = 25°25'46" RT	DELTA = 9°40'20" RT
D = 159°09'18"	D = 127°19'26"	D = 159°09'18"	D = 127°19'26"
L = 57.79	L = 40.97	L = 15.98	L = 7.60
T = 37.26	T = 22.03	T = 8.12	T = 3.81
BK = S 7°39'39" E	BK = N 80°22'09" E	BK = S 47°28'04" E	BK = S 22°02'18" E
AH = N 80°22'09" E	AH = S 47°28'04" E	AH = S 22°02'18" E	AH = S 12°21'58" E

CURVE 28	CURVE 29
PC = 17+48.47	PC = 19+44.67
X = 667898.79	X = 668089.04
Y = 154434.55	Y = 154466.73
PI = 17+64.62	PI = 19+80.02
X = 667907.94	X = 668124.20
Y = 154447.85	Y = 154470.39
PT = 17+78.73	PT = 20+00.00
X = 667924.00	X = 668120.18
Y = 154449.53	Y = 154505.52
R = 35.00	R = 35.00
DELTA = 49°32'14" RT	DELTA = 90°34'52" LT
D = 163°42'08"	D = 163°42'08"
L = 30.26	L = 55.33
T = 16.15	T = 35.36
BK = N 34°30'45" E	BK = N 84°02'59" E
AH = N 84°02'59" E	AH = N 6°31'53" W

APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	ALIGNMENT PLAN - GLACIAL DRUMLIN TRAIL	SHEET	E

R/W PROJECT NUMBER	SHEET NUMBER	TOTAL SHEETS
2788-00-22		
FEDERAL PROJECT NUMBER	4.01	31

PLAT OF RIGHT-OF-WAY REQUIRED FOR

WEST WAUKESHA BYPASS

USH 18

WIS 59 I-94

CONSTRUCTION PROJECT NUMBER

2788-00-71, 2788-02-70, 2788-00-72

CONVENTIONAL ABBREVIATIONS

ACCESS POINT/ DRIVEWAY CONNECTION	AP
ACCESS RIGHTS	AR
ACRES	AC.
AND OTHERS	ET.AL.
BUILDING	B
CENTERLINE	C/L
CERTIFIED SURVEY MAP	CSM
CORNER	COR.
DOCUMENT	DOC.
EASEMENT	EASE.
HIGHWAY EASEMENT	H.E.
IMAGE	I
LAND CONTRACT	LC
MONUMENT	MON.
PAGE	P.
PERMANENT LIMITED EASEMENT	PLE
PROPERTY LINE	PL
RECORDED AS	(100')
REEL	R
REFERENCE LINE	R/L
RELEASE OF RIGHTS	ROR
REMAINING	REM.
RIGHT-OF-WAY	R/W
SECTION	SEC.
STATION	STA.
TEMPORARY LIMITED EASEMENT	TLE
VOLUME	V.

CURVE DATA

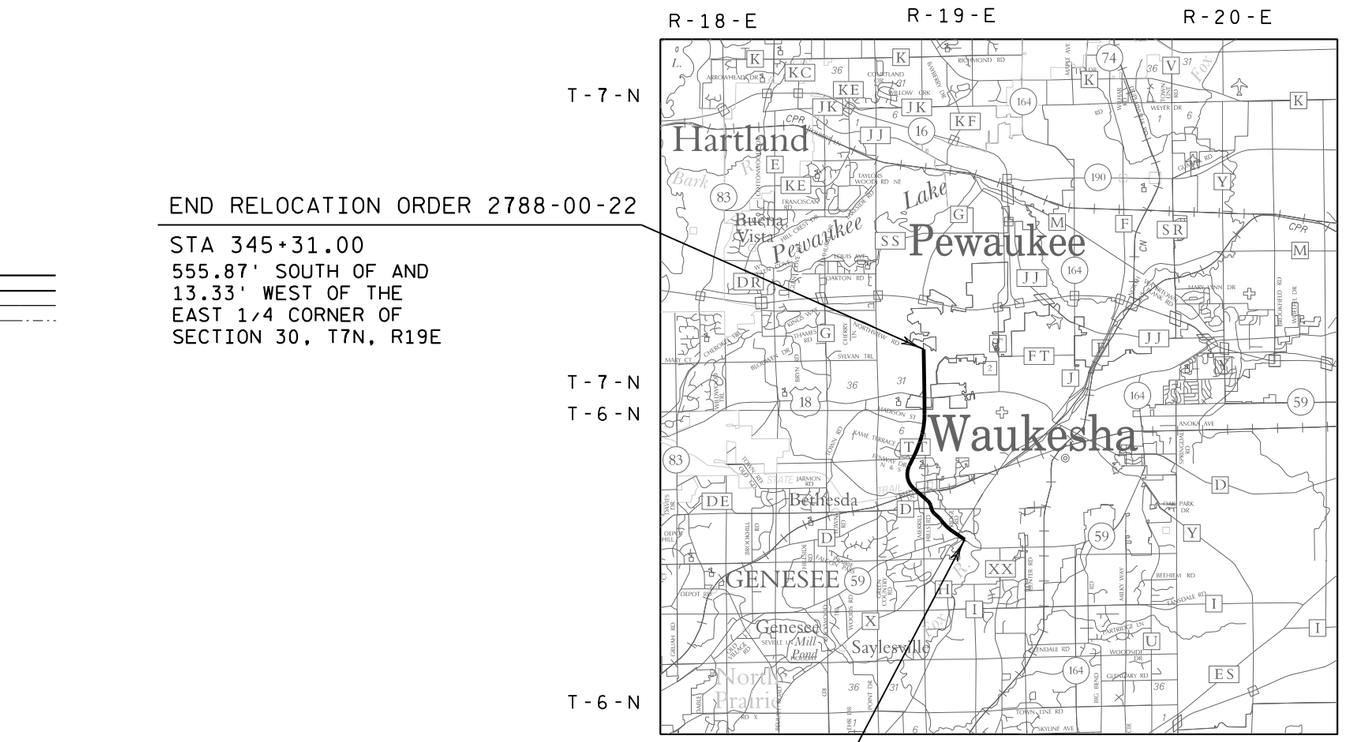
LONG CHORD	LCH
LONG CHORD BEARING	LCB
RADIUS	R
DEGREE OF CURVE	D
CENTRAL ANGLE OR DELTA	DELTA
LENGTH OF CURVE	L
TANGENT	TAN

CONVENTIONAL SYMBOLS

FOUND IRON PIPE/PIN	LS (1" UNLESS NOTED)	PROPOSED R/W LINE	
		EXISTING H.E. LINE	
R/W MONUMENT	(SET)	PROPERTY LINE	
R/W STANDARD	(SET)	LOT & TIE LINES	
SIGN	ISIGN	SLOPE INTERCEPTS	
SECTION CORNER MONUMENT		CORPORATE LIMITS	
SECTION CORNER SYMBOL		ACCESS RESTRICTED (BY PREVIOUS ACQUISITION/CONTROL)	
FEE (HATCH VARIES)		ACCESS RESTRICTED (BY ACQUISITION)	
TEMPORARY LIMITED EASEMENT		NO ACCESS (BY STATUTORY AUTHORITY)	
PERMANENT LIMITED EASEMENT		SECTION LINE	
R/W BOUNDARY POINT	PRW1242	QUARTER LINE	
PARCEL NUMBER	102	SIXTEENTH LINE	
UTILITY PARCEL NUMBER	32	EXISTING CENTERLINE	
SIGN NUMBER (OFF PREMISE)	21-1	PROPOSED REFERENCE LINE	
BUILDING		PARALLEL OFFSET	
		BUILDING, DEMOLITION	

CONVENTIONAL UTILITY SYMBOLS

WATER	W	
GAS	G	
TELEPHONE	T	
OVERHEAD TRANSMISSION LINES	OH	
ELECTRIC	E	
CABLE TELEVISION	TV	
FIBER OPTIC	FO	
SANITARY SEWER	SAN	
STORM SEWER	SS	
	NON COMPENSABLE	COMPENSABLE
POWER POLE		
TELEPHONE POLE		
TELEPHONE PEDESTAL		
ELECTRIC TOWER		



END RELOCATION ORDER 2788-00-22

STA 345+31.00
555.87' SOUTH OF AND
13.33' WEST OF THE
EAST 1/4 CORNER OF
SECTION 30, T7N, R19E

BEGIN RELOCATION ORDER 2788-00-22

STA 89+50.00
1451.65' SOUTH OF AND
196.52' EAST OF THE
EAST 1/4 CORNER OF
SECTION 17, T6N, R19E

LAYOUT
SCALE 0 0.75 MI.

TOTAL NET LENGTH OF CENTERLINE = 4.84 MI.
INCLUDING LENGTH OF CENTERLINE = 0.26 MI.
FOR PROJECT #2788-00-20

NOTES

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COUNTY COORDINATES, WAUKESHA COUNTY, NAD 83 (2007) IN US SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

RIGHT-OF-WAY BOUNDARIES ARE DEFINED WITH COURSES OF THE PERIMETER OF THE HIGHWAY LANDS REFERENCED TO THE U.S. PUBLIC LAND SURVEY SYSTEM OR OTHER "SURVEYS OF PUBLIC RECORD."

FOR CURRENT ACCESS/DRIVEWAY INFORMATION, CONTACT THE WISCONSIN DEPARTMENT OF TRANSPORTATION SE REGION OFFICE IN WAUKESHA

RIGHT OF WAY MONUMENTS WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

PROPERTY LINES SHOWN ON THIS PLAT ARE DRAWN FROM DATA DERIVED FROM MAPS AND DOCUMENTSOF PUBLIC RECORD AND/OR EXISTING OCCUPATIONAL LINES. THIS PLAT MAY NOT BE ATRUE REPRESENTATION OF EXISTING PROPERTY LINES, EXCLUDING RIGHT-OF-WAY LINES, AND SHOULD NOT BE USED AS A SUBSTITUTE FOR AN ACCURATE FIELD SURVEY.

DIMENSIONING FOR THE NEW RIGHT-OF-WAY IS MEASURED ALONG AND PERPENDICULAR TO NEW REFERENCE LINES.

ORIGINAL PLANS PREPARED BY

KAPUR & ASSOCIATES
CONSULTING ENGINEERS
414.751.7200

WISCONSIN MICHAEL V. BECKER S-2574 PORT WASHINGTON WISCONSIN LAND SURVEYOR

MAY 21, 2015 (Date) Michael V. Becker (Signature)

APPROVED FOR RELEASE OF UTILITY ADJUSTMENTS

APPROVED FOR
WAUKESHA COUNTY
DEPARTMENT OF PUBLIC WORKS

(Date) DIRECTOR

(Date) ENGINEERING SERVICES MANAGER

REVISION DATE
August 28, 2015
March 2, 2016

PRE_102

SCHEDULE OF LANDS & INTERESTS REQUIRED

OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE DEPARTMENT.

AREAS SHOWN IN THE TOTAL AREA MAY BE APPROXIMATE AND ARE DERIVED FROM TAX ROLLS OR OTHER AVAILABLE SOURCES AND MAY NOT INCLUDE LANDS OF THE OWNER WHICH ARE NOT CONTIGUOUS TO THE AREA TO BE ACQUIRED.

PARCEL NUMBER	SHEET NUMBER	OWNER(S)	INTEREST REQUIRED	TOTAL ACRES	R/W REQUIRED (ACRES) NEW	EXISTING	TOTAL	TOTAL REMAINING	TLE ACRES	PLE ACRES	PARCEL NUMBER
1 [3]	4.06	THOMAS & JOYCE HOFFMANN	TLE	1.798				1.798	0.056		1 [3]
2 [2]	4.06,07,08	JEWEL FOOD STORES INC (STORE 36AY)	PLE, TLE	29.323				29.323	0.036	0.014	2 [2]
3 [3]	4.06	BRETT & AMBER MUELLER	TLE	0.976				0.976	0.050		3 [3]
4 [2]	4.06	JOSE G & IDA R MEDINA REVOCABLE TRUST	TLE	1.000				1.000	0.005		4 [2]
6 [3]	4.07,09,10	ROBERT F. SMART & CAROL O. SMART	FEE, TLE, AR	45.339	7.429		7.429	37.910	0.344		6 [3]
7 [3]	4.07	MERLYN W MINSTER	FEE, TLE, AR	0.897	0.004		0.004	0.893	0.059		7 [3]
8 [3]	4.07,09	MERLYN W & KAREN D MINSTER	FEE, TLE	0.915	0.727		0.727	0.188	0.032		8 [3]
9 [3]	4.08	ST. JOHN NEUMANN CONGREGATION	TLE	9.000				9.000	0.030		9 [3]
11		ELIMINATED									11
12 [2]	4.09	MICHAEL & SUSAN BELL	FEE, TLE, AR	4.216	0.013		0.013	4.203	0.060		12 [2]
13	4.10, 11	CHRISTINE K WHITSTONE	FEE	5.595	5.595		5.595	0.000			13
14		ELIMINATED									14
16 [2]	4.11,13	GIBSON FUND LLP	FEE, TLE, AR	30.984	0.183		0.183	30.801	0.092		16 [2]
17 [2]	4.11,12,13	LEESLEY B & JOAN J HARDY LIVING TRUST	FEE, TLE, AR	42.374	7.168		7.168	35.206	0.451		17 [2]
18 [2]	4.12	MARY H THORP C/O JANET HORNING	FEE, TLE, AR	2.860	0.120		0.120	2.740	0.106		18 [2]
19	4.12	DEBORAH THIEM ROLLO	FEE, AR	4.942	4.942		4.942	0.000			19
21 [2]	4.12	TENLEY C HELLER	FEE, TLE	4.320	0.033		0.033	4.287	0.023		21 [2]
22 [2]	4.13,14,15	CHRISTOPH FAMILY TRUST	FEE, PLE, TLE, AR	89.336	13.306	2.517	15.823	73.513	0.932	0.022	22 [2]
23		ELIMINATED									23
24 [2]	4.13	CITY OF WAUKESHA	FEE	27.952	0.147		0.147	27.805			24 [2]
26 [2]	4.15	WAUKESHA STORAGE LLC	TLE	10.167	0.000	0.014	0.014	10.153	0.033		26 [2]
27 [3]	4.16	RICHARD HASE	FEE,PLE, TLE, AR	30.982	5.564		5.564	25.418	0.068	0.063	27 [3]
28 [2]	4.16	RONALD J PIETROWIAK	FEE, AR	2.869	0.159		0.159	2.710			28 [2]
29 [3]	4.16	ROBERT V HARTMANN TRUSTEE U/D/T JACKIE KANE ET AL C/O JUDITH MANEY	FEE, AR	0.823	0.075		0.075	0.748			29 [3]
31		ELIMINATED									31
32		ELIMINATED									32
33 [2]	4.16,17	SEE PROJECT #2788-00-20									33 [2]
34 [3]	4.18	ROBERT J JOHNSON FARM TRUST C/O CAROL JEAN HENDRICKS	FEE, TLE, AR	150.887	8.317		8.317	142.570	0.488		34 [3]
36 [3]	4.19	HAZEL DANNER & SUCCESSORS	FEE, TLE, AR	17.648	1.227		1.227	16.421	0.484		36 [3]
37		ELIMINATED									37
38 [3]	4.19,20	CHRISTOPH FAMILY TRUST	FEE, TLE, AR	29.179	8.507	1.546	10.053	19.126	0.695		38 [3]
39 [3]	4.21	FHB INVESTMENTS LLC	PLE, TLE, AR	23.445			0.000	23.445	0.084	0.014	39 [3]
40 [3]	4.20	ARTHUR FAULKNER	PLE, TLE	0.699					0.029	0.059	40 [3]
41 [2]	4.21	CITY OF WAUKESHA	FEE, AR	6.676	0.080		0.080	6.596			41 [2]
42 [3]	4.21	BROOKSHIRE CONDOMINIUM	TLE, AR	11.429				11.429	0.019		42 [3]
43 [3]	4.06	JASON KRAFT	FEE, TLE, AR	0.350	0.004		0.004	0.346	0.009		43 [3]
44 [3]	4.06	EUGENE J & CATHERINE GANIERE	PLE, TLE	4.506				4.506	0.037	0.002	44 [3]
45 [3]	4.06	TIMOTHY J NATVIG	FEE	0.482	0.010		0.010	0.472			45 [3]
46 [3]	4.06	GIBSON FUND LLP	TLE	4.643				4.643	0.081		46 [3]
47		ELIMINATED									47

ON HOLD

PARCEL NUMBER	SHEET NUMBER	OWNER(S)	INTEREST REQUIRED
700	4.09,11	WE ENERGIES - GAS	RELEASE OF RIGHTS
701	4.06-16,18-20	WE ENERGIES - ELECTRIC	RELEASE OF RIGHTS
706	4.06-08,15	AT & T	RELEASE OF RIGHTS
708	4.09,10	TOWN OF WAUKESHA FOR DRAINAGE FACILITIES	RELEASE OF RIGHTS

APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS

4

4

REVISION DATE: 08/28/2015 03/02/2016	DATE: 05/21/2015	SCALE, FEET 0 N/A	HWY: USH 18	STATE R/W PROJ. #2788-00-22	PLAT SHEET 4.02
			COUNTY: WAUKESHA	CONST. PROJ. #2788-00-71,72 ; 2788-02-70	PS&E SHEET PRE_103 E

SCHEDULE OF LANDS & INTERESTS REQUIRED

OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE DEPARTMENT.

AREAS SHOWN IN THE TOTAL AREA MAY BE APPROXIMATE AND ARE DERIVED FROM TAX ROLLS OR OTHER AVAILABLE SOURCES AND MAY NOT INCLUDE LANDS OF THE OWNER WHICH ARE NOT CONTIGUOUS TO THE AREA TO BE ACQUIRED.

PARCEL NUMBE	SHEET NUMBER	OWNER(S)	INTEREST REQUIRED	TOTAL ACRES	R/W REQUIRED NEW	R/W REQUIRED EXISTING	R/W REQUIRED TOTAL	TOTAL REMAIN	TLE ACRES	PLE ACRES	PARCEL NUMBER
101	4.21	HOWARD G & TRICIA M TIMM	FEE, TLE	0.540	0.002		0.002	0.538	0.017		101
102	4.21	JON M SODEMANN & KAREN A KLEIN-SODEMANN	FEE, TLE	0.589	0.014		0.014	0.575	0.072		102
103 (3)	4.21,22	HARROGATE A VILLAGE OF BROOKSHIRE CONDOMINUM	FEE, TLE, AR	11.270	0.070		0.070	11.200	0.137		103 (3)
104	4.21,22	JERRY S & VALERIE M ZOREK	TLE	0.323					0.012		104
106 (3)	4.22	BRADLEY & JAMIE ANFINSON	TLE	0.281					0.021		106 (3)
107 (3)	4.22	GREGORY M BACKUS	TLE	0.259					0.032		107 (3)
108 (3)	4.22	HYMAN & KAREN S FELDMAN	TLE	0.317					0.060		108 (3)
109 (3)	4.22	JEFFREY D & LESLIE J GIFFORD	TLE	0.410					0.044		109 (3)
111 (3)	4.22	WISCONSIN ELECTRIC POWER CO.	FEE, TLE, AR	3.030	0.593	0.227	0.820	2.210	0.770		111 (3)
112 (3)	4.22	JUSTIN A RADICHEL & JANEA R ROWE	FEE, TLE	0.499	0.061		0.061	0.438	0.025		112 (3)
113 (3)	4.22	IRSHAD & SEEMI ALI	FEE, TLE	0.397	0.057		0.057	0.340	0.016		113 (3)
114	4.22	OWNERS OF LOTS IN HERITGAGE HILLS	FEE	1.016	0.045		0.045	0.971			114
116 (3)	4.22	CITY OF WAUKESHA	FEE, PLE, TLE, AR	1.047	0.178	0.186	0.364	0.683	0.203	0.028	116 (3)
117	4.22	JOHN P NEBEL	TLE	0.588					0.004		117
118 (3)	4.22	CITY OF WAUKESHA	FEE, TLE, AR	13.008	0.458	0.412	0.870	12.138	0.126		118 (3)
119	4.22	DOROTHY A HEALE	TLE	0.385					0.013		119
121 (3)	4.22	LOIS MAE KAPLAN	FEE, TLE	0.683	0.091	0.068	0.159	0.524	0.524		121 (3)
122	4.22	ROBERT J & JEAN M MOGENSEN	FEE, TLE	2.034	0.041	0.031	0.072	1.962	0.061		122
123 (3)	4.23	HEALTH CARE REIT INC	TLE	3.834					0.011		123 (3)
124 (3)	4.23	BANK MUTUAL	TLE	1.516					0.024		124 (3)
126		ELIMINATED									126
127	4.23,24	SUMMIT CORPORATE CENTER LLC	FEE, TLE, AR	2.870	0.034		0.034	2.836	0.254		127
128 (3)	4.23,25	GOOD TIMES DAY CAMP LLC	FEE, PLE, TLE, AR	15.148	0.073		0.073	15.075	0.498	0.092	128 (3)
129	4.23,25,26	MEADOWBROOK MARKETPLACE LLC	FEE, TLE	1.512	0.012		0.012	1.500	0.071		129
131 (3)	4.24	TARA HILL CONDOMINIUM	PLE, TLE	3.694					0.165	0.011	131 (3)
132 (3)	4.24,26,27,28	ROBERT F SMART & C O SMART REVOCABLE TRUST OF 2010	FEE, PLE, TLE, AR	130.877	1.491		1.491	129.386	0.562	0.024	132 (3)
133 (3)	4.24,26	MCMAHON PETROLEUM LLC	PLE, TLE	2.989					0.285	0.117	133 (3)
133A (3)	4.24	MCMAHON PETROLEUM LLC	FEE	2.989	0.032		0.032	2.957			133A (3)
134 (3)	4.24	WEST RESERVE AT FIDDLERS CREEK CONDOMINUM	TLE	20.389					0.348		134 (3)
136 (3)	4.24	ARBOR OAKS AT WEST RESERVE AT FIDDLERS CREEK CONDOMINUM	TLE	6.599					0.019		136 (3)
137 (3)	4.25,26,23	MEADOWBROOK MARKETPLACE LLC	TLE	6.712					0.239		137 (3)
139 (3)	4.25	CITY OF WAUKESHA	TLE	24.768					0.348		139 (3)
141	4.25	ELIMINATED									141
142 (3)	4.26	FAITH BAPTIST CHURCH INC.	FEE, PLE, TLE, AR	7.196	0.531		0.531	6.665	0.094	0.041	142 (3)
143	4.26	MEADOWBROOK MARKETPLACE LLC	TLE	0.993					0.011		143 (3)
144 (3)	4.27	WAUKESHA MEMORIAL HOSPITAL INC	FEE, TLE	10.857	0.227		0.227	10.630	0.092		144 (3)
146	4.27	BUTTS FAMILY TRUST	TLE	0.413					0.014		146
147 (3)	4.27	KENNETH R & LAURA J BUTTS FAMILY COMBINED REVOCABLE TRUST	TLE	0.482					0.044		147 (3)
148 (3)	4.27	SAMUEL CLOUD	TLE	0.362					0.009		148 (3)
149 (3)	4.29	JOHN & PATRICIA DURHAM	FEE, TLE, AR	1.947	0.490		0.490	1.457	0.017		149 (3)
150	4.29	WALTER H. AND HELEN L. GOLEMGESKE	FEE	1.210	1.210			0			150
151	4.29	MICHAEL W & LOU ANN NEWMAN	TLE, AR	1.000					0.003		151
152 (3)	4.29	DEBRA E BAKER	TLE	1.217					0.039		152 (3)
153 (3)	4.29	RANDAL & LORA JENDRUSIAK	PLE, TLE, AR	1.223					0.059	0.012	153 (3)
154 (3)	4.28,29,30	GM DEVELOPMENT LLC	FEE, TLE	15.725	1.732		1.732	13.993	0.172		154 (3)
156 (3)	4.30	JULIE A MESSNER	TLE	0.823					0.078		156 (3)
157 (3)	4.30	RONALD R & PATRICIA SENNOTT	FEE, TLE, AR	0.891	0.154		0.154	0.737	0.184		157 (3)
158	4.30	JEROME & NANCY BRUCHERT	FEE	1.039	0.122	0.122	0.244	0.795			158
159 (3)	4.30	THOMAS POWELEIT	FEE, TLE	1.035	0.034	0.122	0.156	0.879	0.118		159 (3)
161 (3)	4.30	MAJESKIE FAMILY IRREVOCABLE TRUST, VENDOR	FEE, TLE	1.033	0.093	0.122	0.215	0.818	0.618		161 (3)
162 (3)	4.30	CITY OF WAUKESHA	TLE, AR	3.176					0.593		162 (3)
163	4.30	CITY OF WAUKESHA	TLE	22.030					0.049		163

PARCEL	SHEET NUMBER	OWNER(S)	INTEREST REQUIRED
600	4.22,23,24,25,30	WE ENERGIES - GAS	RELEASE OF RIGHTS
601	4.21,22/23,24,25,26,27,29,30	WE ENERGIES - ELECTRIC	RELEASE OF RIGHTS
602	4.21,22,23,24,26,27,30,	CITY OF WAUKESHA	RELEASE OF RIGHTS
603	4.21,22,23,24,25,26,27,31	WAUKESHA WATER UTILITY	RELEASE OF RIGHTS
604	4.22,23,24,25,26,29	CITY OF WAUKESHA SEWER	RELEASE OF RIGHTS
605	4.21,22,23,25,26,27,29,30	TIME WARNER	RELEASE OF RIGHTS
606	4.22,25,26,27,29,30	AT & T	RELEASE OF RIGHTS
607	4.29	CITY OF PEWAUKEE	RELEASE OF RIGHTS

APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS

REVISION DATE: 08/28/2015 03/02/2016	DATE: 05/21/2015	SCALE, FEET 0 N/A	HWY: USH 18	STATE R/W PROJ. #2788-00-22	PLAT SHEET 4.03
			COUNTY: WAUKESHA	CONST. PROJ. #2788-00-71,72 ; 2788-02-70	PS&E SHEET PRE_104 E

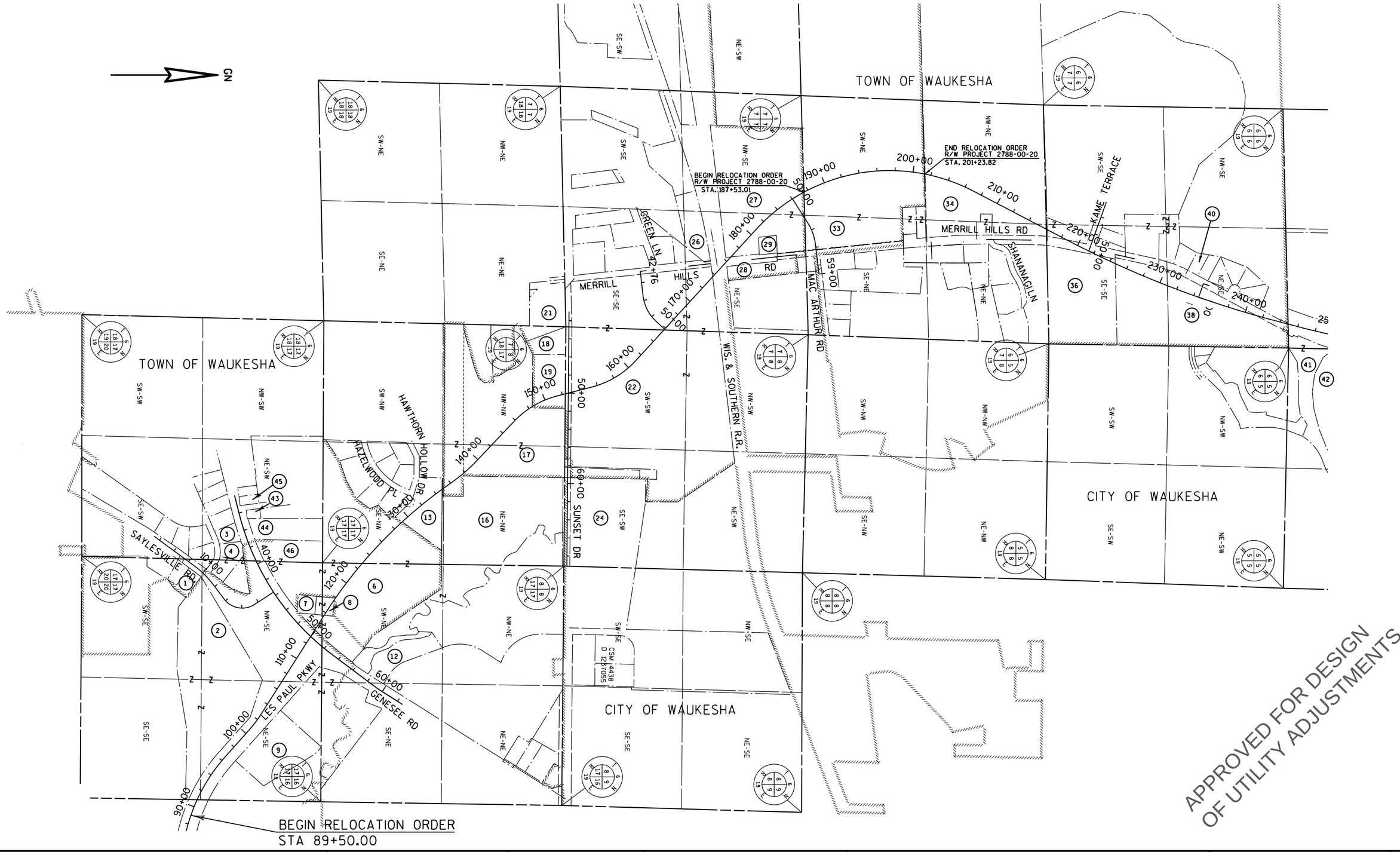
FILE NAME : S:\Wauk_Co\CO_Gov\100075 Waukesha Bypass Study\Survey\DGN\RW_Plat_sheets\140275_rw_03_li.dgn PLOT DATE : 3/2/2016 PLOT BY : rkhaytina PLOT NAME : PLOT SCALE : 1:100

USH 18 2788-00-22 4.03

4

4

4

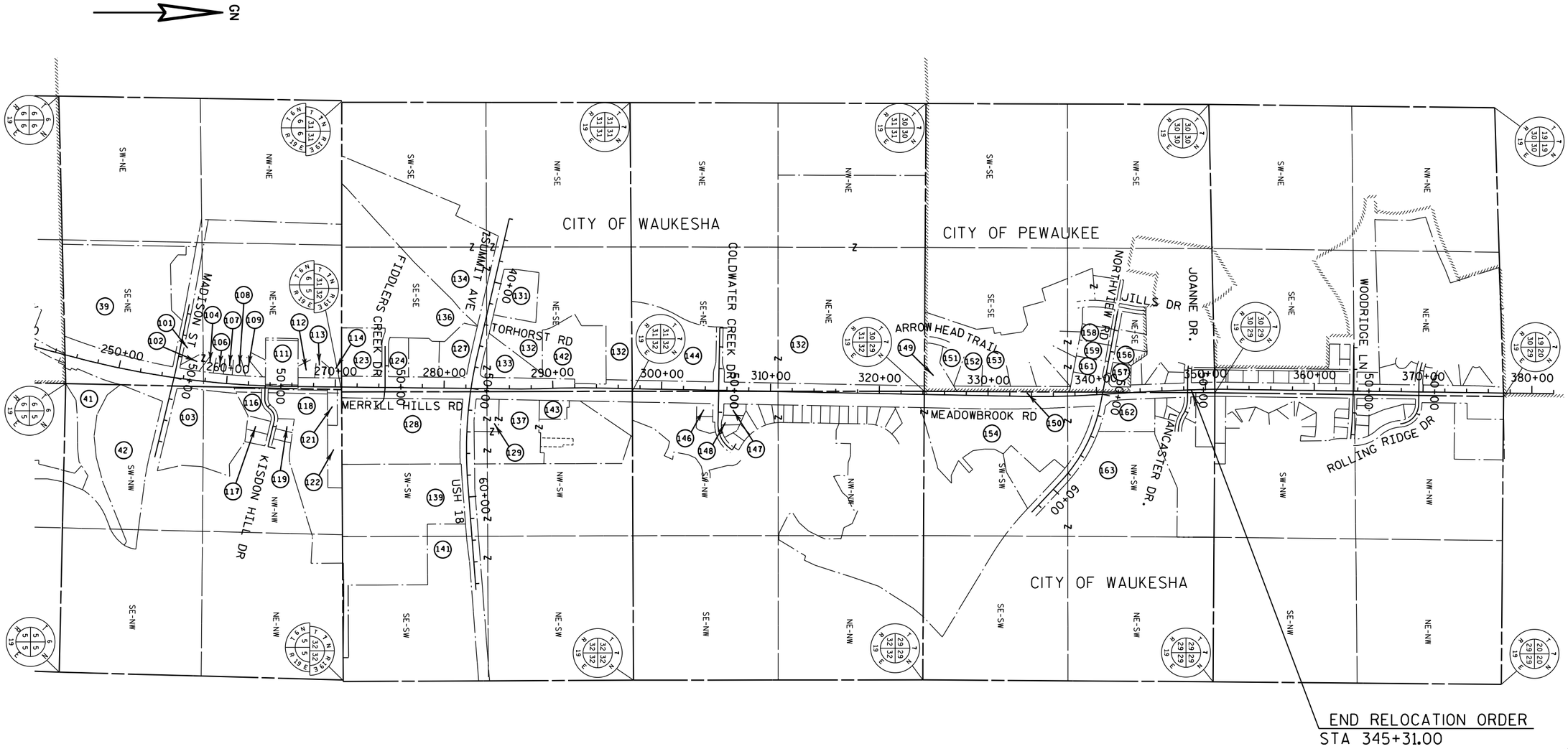


APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS

REVISION DATE: 08/28/2015 03/02/2016	DATE: 05/21/2015	SCALE, FEET 0 500 1000	HWY: USH 18	STATE R/W PROJ. #2788-00-22	PLAT SHEET 4.04
			COUNTY: WAUKESHA	CONST. PROJ. #2788-00-71,72 ; 2788-02-70	PS&E SHEET E

PRE_105

FILE NAME : S:\Wauk_Co\CO_Gov\100075 Waukesha Bypass Study\Survey\DGN\RW_Plat_sheets\140275_rw_04_1o.dgn PLOT DATE : 3/2/2016 PLOT BY : rkhaytina PLOT NAME : PLOT SCALE : 1:1000



REVISION DATE: 08/28/2015 03/02/2016	DATE: 05/21/2015	SCALE, FEET 0 500 1000	HWY: USH 18	STATE R/W PROJ. #2788-00-22	PLAT SHEET 4.05	
			COUNTY: WAUKESHA	CONST. PROJ. #2788-00-71,72 ; 2788-02-70	PS&E SHEET	E

PRE_106

FILE NAME : S:\Wauk_Co\CO_Gov\100075 Waukesha Bypass Study\Survey\DGN\RW_Plat_sheets\140275_rw_05_lo.dgn PLOT DATE : 3/2/2016 PLOT BY : rkhaytina PLOT NAME : PLOT SCALE : 1:1000

GN

CLOVER KNOLL HEIGHTS SUBDIVISION

BLOCK 2 LOT 6

BLOCK 3

701 706 DOC. 425914 5' AND 10' LINE POLE RIGHTS

LOT 6 43 KRAFT TAX KEY: WAKT1363023

45 NATVIG TAX KEY: WAKT1363997 DOC. 3744288

VALLEYVIEW DR.

2674.29 S89°40'44"E 1/4 S/L

CONC. MON. W/BRASS CAP Y 150064.58 X 668370.33

44 GANIERE TAX KEY: WAKT1363998 DOC. 2105875

701 WE ENERGY EASEMENT ALONG HIGHWAY DOC. 145325

46 GIBSON FUND LLP TAX KEY: WAKT1363999 DOC. 2105875

TLE FOR SLOPES & DRIVEWAY

NE-SW NW-SE

CONC. MON. W/BRASS CAP Y 150049.59 X 671044.57

1/4 S/L 2640.62 S89°35'06"E

ROAD NAME	BASIS OF EXISTING R/W	YEAR	WIDTH
STH-59 / CTH-X	STATE PROJECT #2773-03-22	1995	VARIES
STH-59 / CTH-X	STATE PROJECT #DF063-1(11)	1958	VARIES
STH-59 / CTH-X	CSM 9033	2000	VARIES
STH-59 / CTH-X	CLOVER KNOLL HEIGHTS	1955	33'

CONC. MON. W/BRASS CAP Y 150030.47 X 673685.12

SEE SHEET 4.07

GENESEE RD

TLE SLOPES & DRIVEWAY

One AP Per ROW Plat DF063-1(11), Date 1958

39+64.83 R/L= 1/4 S/L

SEE SHEET 4.07 MATCH LINE STA. 18+00

PI 17+50.60 Y=149299.01 X=671604.23

SLOPE INTERCEPT

GUY POLE

PLE DRAINAGE

PC 34+11.03

PI 32+00.00

PI 39+21.63

TOWN OF WAUKESHA

TAX KEY: WAKT1364997

SLOPE INTERCEPTS

PI 16+08.44

WE ENERGY AND ATT NON DESCRIPTIVE EASEMENT DOC. 526122 V.852 P.529

ATT DOC. 205420

TLE FOR SLOPES

LOT 6 LOT 7

701 706 WE ENERGY AND ATT NON DESCRIPTIVE EASEMENT DOC. 526122 V.852 P.529

4 MEDINA REVOCABLE TRUST TAX KEY: WAKT1363063

LAWRENCE WOODS SUBDIVISION

LOT 4 LOT 5

MASIAKOWSKI TAX KEY: WAKT1363061

3 MUELLER TAX KEY: WAKT1363062

TAX KEY: WAKT1363064

LOT 8

PC 13+74.71 Y=148396.64 X=671445.42

PT 11+64.02 Y=148328.82 X=672127.80

CSM 9033 PARCEL 1 DOC. 2585747

2 JEWEL FOOD STORES TAX KEY: WAKC1364018 DOC.2585749

VELMA DR

LOT 1 LOT 2 LOT 3

1/16" LINE

CURVE DATA
PI = 39+21.63
Y = 149254.20
X = 670998.90
DELTA= 20°12'43"L
D = 2°00'00"
T = 510.60'T
L = 1010.59'L
R = 2864.79'R
PC = 34+11.03
PCC = 44+21.62

CONC. MON. W/BRASS CAP Y 147388.92 X 670971.27

BLOCK 2

1140.93'

7+50.74 R/L=S/L

SAYLESVILLE RD

1 HOFFMANN TAX KEY: WAKT1364996 DOC.733171

TLE FOR SLOPES

TOWN OF WAUKESHA

CITY OF WAUKESHA

PLE1401 PLE1404 PLE1403 PLE1402 PLE1640

PLE FOR DRAINAGE

CURVE DATA R/L
PI = 10+30.19
Y = 148754.13
X = 671168.81
DELTA= 16°31'02"R
D = 6°07'40"
T = 135.71'
L = 269.54'
R = 935.00'

CURVE DATA R/L
PI = 16+08.44
Y = 149103.33
X = 670632.07
DELTA= 88°08'54"L
D = 22°55'06"
T = 233.73'
L = 375.89'
R = 250.00'

APPROVED FOR DESIGN OF UTILITY ADJUSTMENTS

STATION & OFFSET TABLE (GENESEE RD.)

Point	Station	Offset
PRW1226	32+94.98	35.80L
PRW1345	33+28.10	62.06L
PRW1223	34+30.29	80.00L
TLE1642	34+25.00	87.00L
PRW1224	34+85.26	80.00L
PLE1405	34+86.72	85.00L
TLE1643	34+87.31	87.00L
TLE1644	34+89.67	95.00L
TLE1661	34+91.36	70.00R
TLE1662	34+92.62	80.00R
PLE1406	35+00.00	85.00L
PLE1407	35+00.00	80.00L
TLE1645	35+25.00	95.00L
TLE1646	35+30.00	85.00L
TLE1663	37+01.11	80.00R
TLE1664	37+02.22	75.00R
TLE1647	37+36.85	85.00L
TLE1665	37+57.24	75.00R
TLE1648	37+75.00	90.00L
TLE1649	39+00.00	90.00L
ERW1955	33+24.52	32.28L
ERW1915	34+83.19	72.98L

STATION & OFFSET TABLE (SAYLESVILLE RD.)

Point	Station	Offset
TLE1636	8+60.00	50.00R
TLE1637	8+60.00	65.00R
TLE1639	8+90.00	55.00R
TLE1638	8+90.00	65.00R
PLE1401	11+00.00	60.41R
TLE1640	11+00.00	75.00R
PLE1402	11+00.00	85.00R
PLE1404	11+30.00	64.94R
PLE1403	11+30.00	85.00R

COURSE TABLE

POINT No.	BEARING	DISTANCE
1915-1224	N00°11'35"E	7.31'
1223-1224*	N75°24'40"E	53.43'
1642-1643	N74°53'38"E	55.29'
1224-1407*	N74°09'52"E	14.33'
1407-1406	N15°58'59"W	5.00'
1915-1224	N0°11'35"E	7.31'
1224-1405	N0°11'35"E	5.20'
1405-1406*	N74°08'59"E	12.88'
1405-1644	N0°11'35"E	10.40'
1407-1912*	N71°40'10"E	228.12'
1646-1647*	N71°20'54"E	200.67'
1912-1901*	N66°36'10"E	264.24'
1402-1401	N40°55'54"W	24.59'
1401-1640	S40°55'54"E	14.59'
1915-1643	N00°15'56"E	14.59'
1647-1912	S01°34'41"W	5.40'
1643-1224	S00°11'35"W	14.58'
1643-1644	S00°11'35"W	8.32'
1911-1663	S07°13'54"E	10.25'
1663-1662*	S72°04'47"W	214.27'
1662-1661	N23°11'56"W	10.08'
1661-1911	N72°04'12"E	217.10'
1665-1664*	S69°25'21"W	56.46'
1664-1911	N07°13'54"W	5.13'
1911-1913*	N69°36'32"E	34.98'
1836-1900	N59°10'51"E	0.79'

* INDICATES LC AND LCB

CURVE DATA

NO.	RADIUS	DELTA	LENGTH	TANGENT
1663-1662	2944.79	4°10'11"	214.32	107.20
1661-1911	2934.79	4°14'22"	217.15	108.62
1665-1664	2939.79	1°08'02"	56.46	28.23
1911-1913	2934.79	0°40'58"	34.98	17.49
1223-1224	2784.79	1°05'58"	53.43	26.72
1405-1406	2779.79	0°15'56"	12.88	6.44
1407-1224	2784.79	0°17'41"	14.33	7.16
1644-1645	2769.79	0°42'24"	34.16	17.08
1646-1647	2779.79	4°08'13"	200.71	100.40
1912-1224	2784.79	4°59'23"	242.51	121.33
1901-1912	2784.79	5°26'19"	264.33	132.27

REVISION DATE: 08/28/2015 03/02/2016	DATE: 05/21/2015	SCALE, FEET 0 50 100	HWY: USH 18	STATE R/W PROJ. #2788-00-22	PLAT SHEET 4.06
			COUNTY: WAUKESHA	CONST. PROJ. #2788-00-71,72 ; 2788-02-70	PS&E SHEET E

PRE_107

FILE NAME : S:\Wauk_Co\CO_Gov\100075 Waukesha Bypass Study\Survey\DGN\RW_Plat_sheets\140275_rw_06_rp.dgn PLOT DATE : 3/2/2016 PLOT BY : rkhaytina PLOT NAME : PLOT SCALE : 1:100

USH 18 2788-00-22 4.06

4

NE-SW

NW-SE

GN

2640.62 S89°35'06"E

615.53'

CONC. MON. W/BRASS CAP
Y 150049.59
X 671044.57

T 6 N R 17 17 17 17 19 E

8 MINSTER
TAX KEY: WAKT1364998001

701 LINE AND POLE EASEMENT DOC. 145327

701 WE ENERGY LINE AND POLE EASEMENT DOC. 428102 NO VOLUME & PAGE

60' ACCESS EASEMENT ON RW PROJECT 277-03-22

TLE FOR SLOPES & DRIVEWAY

7 MINSTER
TAX KEY: WAKT1364998

TOWN OF WAKESHA

6 SMART
REVOCABLE TRUST
TAX KEY: WAKT1361975

CITY OF WAKESHA

708 TOWN OF WAKESHA DRAINAGE EASEMENT DOC. 467299 V.753 P.448

TLE FOR SLOPES & DRIVEWAY

SLOPE INTERCEPTS

PRW1812 PRW1334 TLE1660 PRW1229 PRW1228 TLE1659 TLE1658 PRW1227 TLE1657 TLE1656 TLE1655 TLE1654 TLE1653 PRW1225 TLE1652 TLE1651 TLE1650

1/4 S/L

115+23.33 R/L=1/4 S/L

51+65.89 R/L=1/4 S/L

SEE SHEET 4.09

1717.08

1320.31'

CITY OF WAKESHA

CSM 5080
LOT 2
DOC. 1384110

CONC. MON. W/BRASS CAP
Y 150030.47
X 673685.12

T 6 N R 17 16 17 16 19 E

112+88.08 LES PAUL PKWYE
50+00.00 GENESEE RD

WAUKESHA BYPASS

PI 48+61.83

PCC 44+21.62
Y=1485442.79
X=671420.13

106+99.30 R/L = 1/16TH

SEE SHEET 4.08

43+58.70 GENESEE RD=
20+00.00 SAYLESVILLE RD

GENESEE RD

SAYLESVILLE RD

SEE SHEET 4.06

MATCH LINE SEE SHEET 4.06 STA. 18+00

39+64.83 R/L=1/4 S/L

PI 39+21.63

CONC. MON. W/BRASS CAP
Y 147388.92
X 670971.27

T 6 N R 17 17 20 20 19 E

JEWEL FOOD STORES
TAX KEY: WAKC1364018
DOC.2585749

CSM 9033
PARCEL 1
DOC.2585747
VOL. 81 PG. 137-140

CITY OF WAKESHA

TOWN OF WAKESHA

SEE SHEET 4.06

COURSE TABLE		
POINT No.	BEARING	DISTANCE
1902-1916*	N57°05'45"E	645.49'
1916-1225*	N50°01'52"E	37.31'
1992-1225*	S48°00'48"W	158.12"
1992-1923*	N41°27'35"E	639.88'
1652-1810*	N53°07'19"E	230.66'
1225-1227	N5°34'00"E	159.69'
1225-1655	N5°34'00"E	50.66'
1656-1227	N5°34'00"E	50.78'
1656-1657	N84°26'00"W	15.00'
1657-1658	N5°34'00"E	47.20'
1227-1228	N57°26'20"W	87.37'
1228-1229	N46°12'42"W	25.95'
1229-1334	N56°51'36"W	56.69'
1227-1917	N57°26'20"W	30.14'
1917-1228	N57°26'20"W	57.23'
1229-1660*	N57°02'07"W	25.50'
1227-1811	N05°34'00"E	13.68'
1811-1917	N84°26'00"W	26.86'
1917-1659	N84°26'00"W	55.08'
1811-1814	N5°34'00"E	200.00'
1810-1916	S84°26'00"E	21.21'

* INDICATES LC AND LCB

STATION & OFFSET TABLE (WAUKESHA BYPASS)		
Point	Station	Offset
PRW1227	115+12.63	-105.00
PRW1228	116+00.00	-105.00
PRW1229	116+25.00	-100.00
PRW1334	116+80.58	-100.00
TLE1656	114+89.58	-150.25
TLE1657	115+02.98	-157.05
TLE1658	115+24.37	-115.00
TLE1659	115+91.88	-130.00
TLE1660	116+50.00	-100.00

STATION & OFFSET TABLE (GENESEE RD.)		
Point	Station	Offset
PRW1225	47+19.18	88.91L
TLE1650	42+00.00	120.00L
TLE1651	42+50.00	120.00L
TLE1652	44+25.00	105.00L
TLE1653	47+12.99	103.95L
TLE1654	47+34.79	123.79L
TLE1655	47+57.62	123.61L

CURVE DATA				
NO.	RADIUS	DELTA	LENGTH	TANGENT
1652-1810	2759.79	4°47'24"	230.73	115.43
1916-1902	2774.79	13°21'32"	646.95	324.95
1225-1916	2774.79	0°46'13"	37.31	18.65
1660-1229	5100.00	0°17'11"	25.50	12.75
1992-1923	3729.75	9°50'30"	640.66	321.12
1229-1812	5100.00	1°17'37"	115.15	57.58
1225-1992	2774.79	3°15'55"	158.14	79.09

CURVE DATA R/L
PI = 39+21.63
Y = 149254.20
X = 670998.90
DELTA= 20°12'43"L
D = 2°00'00"
T = 510.60' T
L = 1010.59' L
R = 2864.79' R
PC = 34+11.03
X = 670503.91
Y = 149128.92
PCC = 44+21.62

CURVE DATA R/L
PI = 48+61.83
Y = 149791.59
X = 671783.29
DELTA= 18°41'25"L
D = 2°08'31"
T = 440.21'
L = 872.60'
R = 2675.00'
PCC = 44+21.62
PT = 52+94.22
Y = 150143.65
X = 672047.56

ROAD NAME	BASIS OF EXISTING R/W	YEAR	WIDTH
STH-59 / CTH-X	STATE PROJECT *2773-03-22	1995	VARIES
STH-59 / CTH-X	STATE PROJECT *DF063-1 (11)	1958	VARIES
STH-59 / CTH-X	CSM 9033	2000	VARIES
STH-59 / CTH-X	CSM 5080	1986	VARIES

APPROVED FOR DESIGN OF UTILITY ADJUSTMENTS

REVISION DATE: 08/28/2015 03/02/2016	DATE: 05/21/2015	SCALE, FEET 0 50 100	HWY: USH 18	STATE R/W PROJ. *2788-00-22	PLAT SHEET 4.07
			COUNTY: WAUKESHA	CONST. PROJ. *2788-00-71,72 ; 2788-02-70	PS&E SHEET E

PRE_108

FILE NAME : S:\Wauk_Co\CO_Gov\100075 Waukesha Bypass Study\Survey\DGN\RW_Plat_sheets\140275_rw_07_rp.dgn PLOT DATE : 3/2/2016 PLOT BY : rkhaytina PLOT NAME : PLOT SCALE : 1:100

USH 18 2788-00-22 4.07

ROAD NAME	BASIS OF EXISTING R/W	YEAR	WIDTH
STH-59 / CTH-X	CSM 9033	2000	VARIES
STH-59 / CTH-X	CSM 5080	1986	VARIES
STH-59 / CTH-X	PROJECT 2773-3-22	1995	VARIES

STATION & OFFSET TABLE		
Point	Station	Offset
TLE1666	104+20.27	157.82R
TLE1667	104+15.47	187.43R
TLE1668	103+74.35	180.79R
TLE1669	103+74.35	150.40R

CURVE DATA R/L
PI = 101+57.44
Y = 149309.37
X = 672812.29
DELTA= 9°10'56"L
D = 3°49'11"
T = 120.45'
L = 240.39'
R = 1500.00'

ALIGNMENT DETAIL
N.T.S.

CURVE DATA R/L
PI = 89+80.78
Y = 148480.46
X = 673741.22
DELTA= 42°19'23"R
D = 2°58'44"
T = 744.54'
L = 1420.15'
R = 1923.37'

APPROVED FOR DESIGN & UTILITY ADJUSTMENTS

REVISION DATE	DATE: 05/21/2015	SCALE. FEET	HWY: USH 18	STATE R/W PROJ. #2788-00-22	PLAT SHEET 4.08	
08/28/2015 10/30/2015		0 50 100	COUNTY: WAUKESHA	CONST. PROJ. #2788-00-71,72 ; 2788-02-70	PS&E SHEET	E

FILE NAME : S:\Wauk_Co\CO_Gov\100075 Waukesha Bypass Study\Survey\DGN\RW_Plat_sheets\140275_rw_08_rp.dgn PLOT DATE : 3/2/2016 PLOT BY : rkhaytina PLOT NAME : PLOT SCALE : 1:100

ROAD NAME	BASIS OF EXISTING R/W	YEAR	WIDTH
STH-59 / CTH-X	CSM 5080	1995	VARIES
STH-59 / CTH-X	STATE PROJECT #2370-08-70	2007	VARIES
STH-59 / CTH-X	CSM 8521	1998	VARIES
STH-59 / CTH-X	STATE PROJECT #DF063-1(11)	1958	VARIES

CONC. MON. W/BRASS CAP
Y 152717.47
X 671080.79

GN

CITY OF WAUKESHA

TOWN OF WAUKESHA

LOT 1 CSM 8521 R.2713, I.0823 DOC. 2348777

TAX KEY: WAKT1361037

12 BELL TAX KEY: WAKT1361976004

OUTLOT 1

WAUKESHA CO. PARKS & LAND USE TAX KEY: WAKT1361976004

WAUKESHA CO. PARKS & LAND USE TAX KEY: WAKT1361974

CSM 5080 LOT 2 DOC. 1384110

CURVE DATA R/L
PI = 125+62.72
Y = 150604.16
X = 670784.64
DELTA= 21°44'49"R
D = 1°08'45"
T = 960.45'
L = 1897.77'
R = 5000.00'
PC = 116+02.27
Y = 150087.25
X = 671594.13
PT = 135+00.04
Y = 151384.20
X = 670224.29

CURVE DATA R/L
PI = 48+61.83
Y = 149791.59
X = 671783.29
DELTA= 18°41'25"L
D = 2°08'31"
T = 440.21'
L = 872.60'
R = 2675.00'
PCC = 44+21.62
Y = 149542.79
X = 671420.13
PT = 51+94.22

CURVE DATA R/L
PI = 59+51.53
Y = 150669.33
X = 672442.17
DELTA= 4°38'11"L
D = 3°49'13"
T = 60.71'
L = 121.36'
R = 1499.75'

COURSE TABLE

POINT No.	BEARING	DISTANCE
1333-1237*	S52°22'32"E	625.07'
1923-1992*	S41°27'35"W	639.88'
1812-1332*	N53°14'54"W	469.22'
1229-1812*	N56°31'54"W	115.15'
1921-1923*	S36°21'07"W	24.32'
1232-1815*	S32°49'09"W	43.74'
1919-1232*	S32°22'12"W	14.90'
1674-1672*	S50°18'11"E	254.97'
1812-1813	N05°34'00"E	104.09'
1813-1814	S84°26'00"E	200.00'
1814-1811	S05°34'00"W	200.00'
1233-1232	N63°07'17"E	49.77'
1232-1670	S63°07'17"W	29.68'
1903-1815*	S34°39'35"W	196.52'
1234-1235*	S38°58'03"W	146.14'
1232-1815*	S32°49'09"W	43.74'

* INDICATES LC AND LCB

CURVE DATA				
NO.	RADIUS	DELTA	LENGTH	TANGENT
1229-1812	5100.00	1°17'37"	115.15	57.58
1333-1237	4900.00	7°18'50"	625.50	313.17
1923-1992	3729.75	9°50'30"	640.66	321.12
1812-1332	5100.00	5°16'24"	469.39	234.86
1919-1232	3739.75	0°13'42"	14.90	7.45
1674-1672	5100.00	2°51'53"	255.00	127.53
1815-1903	3739.75	3°00'40"	196.54	98.29
1921-1923	3729.75	0°22'25"	24.32	12.16
1235-1234	2520.00	2°19'23"	146.16	73.10
1232-1815	3739.75	0°40'13"	43.74	21.87

STATION & OFFSET TABLE (WAUKESHA BYPASS)		
Point	Station	Offset
TLE1672	121+00.00	100.00L
PRW1236	114+50.00	140.00R
PRW1237	117+25.00	100.00R
PRW1332	121+98.07	100.00L
PRW1333	123+63.26	100.00R
PRW1334	116+80.58	100.00L

STATION & OFFSET TABLE (GENESEE RD.)		
Point	Station	Offset
PRW1232	58+00.00	68.01L
PRW1233	57+55.35	90.00L
PRW1234	52+75.00	155.00L
PRW1235	51+19.85	155.00L
TLE1670	57+73.38	81.12L
TLE1671	59+62.87	94.28L

PT 60+12.18
Y=150720.67
X=672474.57

PC 58+90.81
Y=150620.77
X=672405.72

PI 59+51.53

PT 52+94.22
Y=150143.65
X=672047.56

PC 116+02.27
Y=150087.25
X=671594.13

51+65.89 R/L=1/4 S/L

115+23.33 R/L=1/4 S/L

122+77.77 R/L=1/4 S/L

SEE SHEET 4.10

SEE SHEET 4.07

PEBBLE CREEK

WAUKESHA BYPASS

GENESEE RD

SLOPE INTERCEPTS

701 WE ENERGY LINE AND POLE EASEMENT OVER AND ACROSS PREMISIS DOC. 428102

6 SMART REVOCABLE TRUST TAX KEY: WAKC1361975001 DOC. 3822686

708 TOWN OF WAUKESHA UNREADABLE DRAINAGE EASEMENT DOC. 467299 V.753 P.448,449

8 MINSTER TAX KEY: WAKT1364998001

CONC. MON. W/BRASS CAP
Y 150049.59
X 671044.57

CONC. MON. W/BRASS CAP
Y 150030.47
X 673685.12

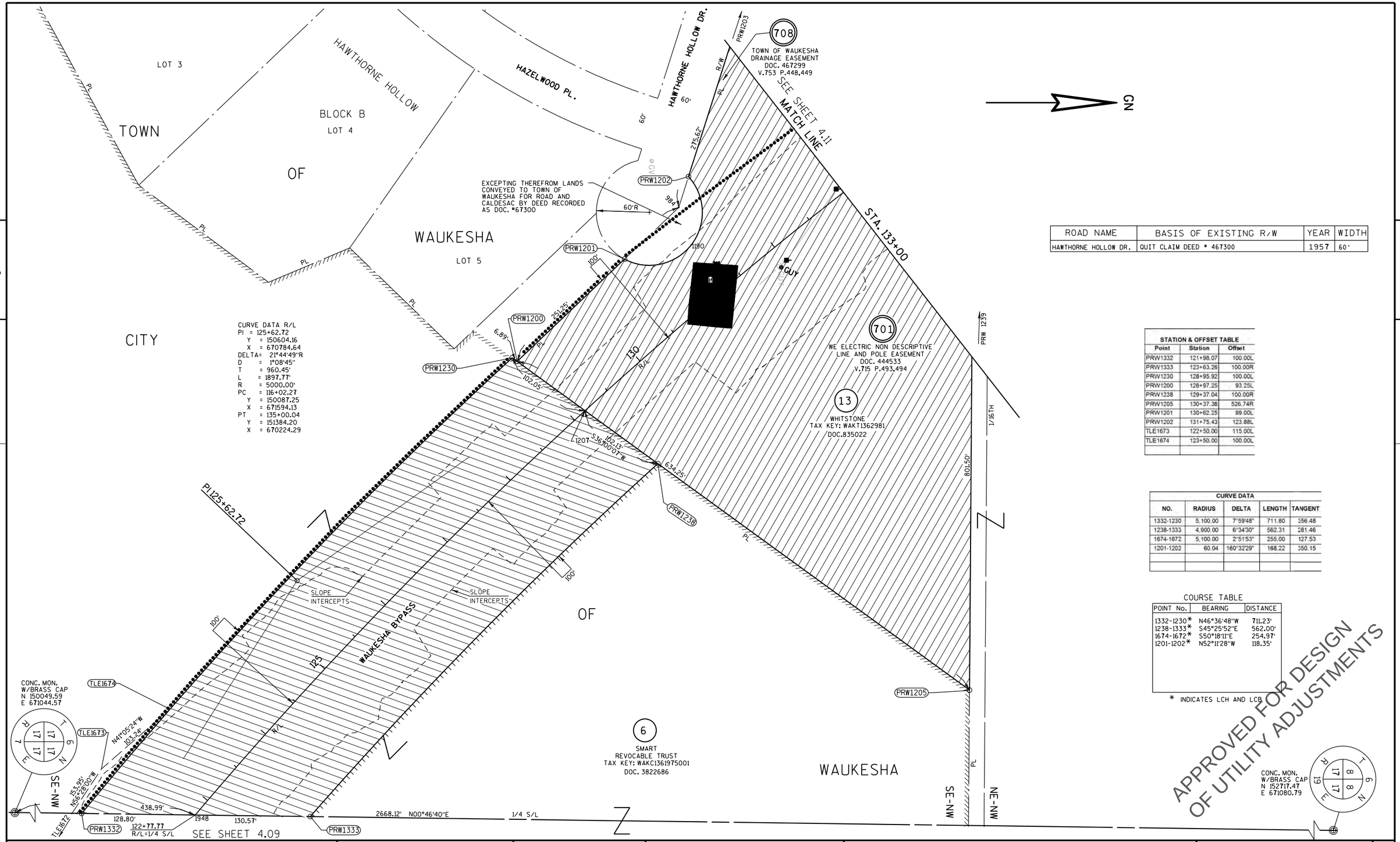
APPROVED FOR DESIGN OF UTILITY ADJUSTMENTS

REVISION DATE: 08/28/2015 03/02/2016	DATE: 05/21/2015	SCALE: FEET 0 50 100	HWY: USH 18	STATE R/W PROJ. #2788-00-22	PLAT SHEET 4.09
			COUNTY: WAUKESHA	CONST. PROJ. #2788-00-71,72 ; 2788-02-70	PS&E SHEET E

PRE_110

FILE NAME : S:\Wauk_Co\CO_Gov\100075 Waukesha Bypass Study\Survey\DGN\RW_Plat_sheets\140275_rw_09_rp.dgn PLOT DATE : 3/2/2016 PLOT BY : rkhaytina PLOT NAME : PLOT SCALE : 1:100

USH 18 2788-00-22 4.09



CURVE DATA R/L
PI = 125+62.72
Y = 150604.16
X = 670784.64
DELTA= 21°44'49"R
D = 1°08'45"
T = 960.45'
L = 1897.77'
R = 5000.00'
PC = 116+02.27
Y = 150087.25
X = 671594.13
PT = 135+00.04
Y = 151384.20
X = 670224.29

ROAD NAME	BASIS OF EXISTING R/W	YEAR	WIDTH
HAWTHORNE HOLLOW DR.	QUIT CLAIM DEED # 467300	1957	60'

STATION & OFFSET TABLE

Point	Station	Offset
PRW1332	121+98.07	100.00L
PRW1333	123+63.26	100.00R
PRW1230	128+95.92	100.00L
PRW1200	128+97.25	93.25L
PRW1238	129+37.04	100.00R
PRW1205	130+37.38	526.74R
PRW1201	130+62.25	99.00L
PRW1202	131+75.43	123.88L
TLE1673	122+50.00	115.00L
TLE1674	123+50.00	100.00L

CURVE DATA

NO.	RADIUS	DELTA	LENGTH	TANGENT
1332-1230	5,100.00	7°59'48"	711.80	356.48
1238-1333	4,900.00	6°34'30"	562.31	281.46
1674-1672	5,100.00	2°51'53"	255.00	127.53
1201-1202	60.04	160°32'29"	168.22	350.15

COURSE TABLE

POINT No.	BEARING	DISTANCE
1332-1230*	N46°36'48"W	711.23'
1238-1333*	S45°25'52"E	562.00'
1674-1672*	S50°18'11"E	254.97'
1201-1202*	N52°11'28"W	118.35'

* INDICATES LCH AND LCB

APPROVED FOR DESIGN OF UTILITY ADJUSTMENTS

REVISION DATE: 08/28/2015 03/02/2016	DATE: 05/21/2015	SCALE. FEET 0 50 100	HWY: USH 18	STATE R/W PROJ. #2788-00-22	PLAT SHEET 4.10
			COUNTY: WAUKESHA	CONST. PROJ. #2788-00-71,72 ; 2788-02-70	PS&E SHEET E

PRE_111

FILE NAME : S:\Wauk_Co\CO_Gov\100075 Waukesha Bypass Study\Survey\DGN\RW_Plat_sheets\140275_rw_10_rp.dgn PLOT DATE : 3/2/2016 PLOT BY : rkhaytina PLOT NAME : PLOT SCALE : 1:100

GN

TOWN OF WAUKESHA

CONC. MON.
W/ BRASS CAP
Y 150064.58
X 668370.33

CURVE DATA				
NO.	RADIUS	DELTA	LENGTH	TANGENT
1245-1925	1775.00	7°20'41"	227.54	113.92
1922-1242	1975.00	4°28'44"	154.39	77.23
1925-1246	1775.00	3°33'11"	110.07	55.05
1243-1922	1975.00	4°18'35"	148.56	74.31

STATION & OFFSET TABLE		
Point	Station	Offset
PRW1203	133+65.65	257.42L
PRW1239	134+09.37	100.00R
PRW1240	134+97.65	100.00R
PRW1335	135+61.20	100.00L
PRW1241	136+29.38	199.68R
PRW1245	136+29.76	100.00L
PRW1242	136+96.78	100.00R
PRW1246	139+86.39	100.00L
PRW1243	139+86.39	100.00R
TLE1675	136+80.55	125.00R
TLE1676	137+50.00	125.00R
TLE1677	138+25.00	115.00R
TLE1678	139+18.00	115.00R

COURSE TABLE

POINT No.	BEARING	DISTANCE
1245-1246*	N41°08'27"W	337.10'
1922-1242*	S40°02'26"E	154.35'
1243-1922*	S44°26'06"E	148.52'
1203-1204	N01°50'17"E	252.37'
1993-1239	S89°35'53"E	52.86'

* INDICATES LCH AND LCB

PRW1203
275.62'
984
252.75'
PL
APPARENT GAP +/-5'
PRW1335
1204
1995
MATCH LINE
SEE SHEET 4.10
STA. 133+00
13
WHITSTONE
TAX KEY: WAKT1362981
PL
1/16TH
MN-MS
MN-SE
MN-MN
MN-NE
2676.03' N01°25'25"E
1338.015'
1329.59' S3°55'56"E
165.59'
NO1°06'04"E
701
WE ENERGIES LINE POLE EASEMENT
OVER AND ACROSS PREMISES
DOC. 375568
17
HARDY LIVING TRUST
TAX KEY:WAKC1362999003
DOC.3179430
526.81'
CITY OF WAUKESHA
701
WE ENERGY LINE AND POLE EASEMENT
OVER AND ACROSS PREMISES DOC. 310917
V.461 P.162
SEE SHEET 4.12
PRW1247
CONC. MON.
W/ BRASS CAP
Y 152739.79
X 668436.82
PRW1245
SLOPE INTERCEPT
PRW1246
594.24 N46°35'23"W
100'
RC 136+29.76
PT 139+86.39
135
135+06.49
R/L=1/16TH
N35°41'32"W
140
142+21.89
R/L=1/16TH
N46°35'23"W
R/L
WAUKESHA BYPASS
PI 138+08.61
GUY
PRW1239
PRW1240
PT 135+00.04
PL
165.16
S01°25'50"W
80.50'
ANGLE POINT
PRW1205
PRW1244
PRW1243
PRW1242
PRW1241
TLE1675
TLE1676
TLE1677
TLE1678
N38°18'19"W 74.08
S47°39'14"E 80.42
36.87
61.82
N57°15'47"W 73.84
N43°04'45"W
124.67
S89°48'52"E
N00°59'01"E
111.86
101.42
1922
1924
1925
1997
809.21'
1322.035'
S/L
2644.01' N89°30'59"W
MN-NE
MN-MN
16
GIBSON FUND LLP
TAX KEY: WAKT1361976002
DOC. 2107957
TOWN OF WAUKESHA

CURVE DATA R/L
PI = 125+62.72
Y = 150604.16
X = 670784.64
DELTA= 21°44'49"R
D = 1°08'45"
T = 960.45'
L = 1897.77'
R = 5000.00'
PC = 116+02.27
PT = 135+00.04

CURVE DATA R/L
PI = 138+08.61
Y = 151634.81
X = 670044.26
DELTA= 18°53'52"L
D = 3°03'21"
T = 178.85'
L = 356.63'
R = 1875.00'

CONC. MON.
W/BRASS CAP
Y 152717.47
X 671080.79

APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS

4

REVISION DATE 08/28/2015 03/02/2016	DATE: 05/21/2015	SCALE, FEET 0 50 100	HWY: USH 18	STATE R/W PROJ. #2788-00-22	PLAT SHEET 4.11
			COUNTY: WAUKESHA	CONST. PROJ. #2788-00-71,72 ; 2788-02-70	PS&E SHEET E

PRE_112

CURVE DATA				
NO.	RADIUS	DELTA	LENGTH	TANGENT
1278-1298	2100.00	20°33'41"	753.61	380.90
1299-1296	1900.00	0°26'44"	14.77	7.39
1301-1289	495.00	1°56'27"	16.77	8.38
1287-1286	1900.00	12°43'06"	421.75	211.75
1294-1293	595.00	25°41'02"	266.72	135.64
1290-1301	495.00	23°44'35"	205.13	104.06
1411-1278	2100.00	4°04'44"	149.50	74.78
1412-1413	2135.00	1°04'27"	40.03	20.02
1414-1411	2100.00	1°04'27"	39.38	19.69
1743-1744	2120.00	8°57'09"	331.25	165.96
1415-1414	2100.00	8°35'40"	315.00	157.80
1748-1419	1900.00	2°51'53"	95.00	47.51
1419-1422	1900.00	1°25'57"	47.50	23.75
1421-1420	1880.00	0°41'13"	22.54	11.27
1422-1287	1900.00	5°03'30"	167.74	83.92
1750-1749	1885.00	5°29'43"	180.79	90.47
1416-1417	2110.00	1°04'27"	39.56	19.78

COURSE TABLE

POINT No.	BEARING	DISTANCE
1278-1298*	N37°11'13"W	749.57'
1301-1289*	S58°28'59"W	16.77'
1287-1286*	S41°06'31"E	420.89'
1294-1293*	N70°21'17"E	264.49'
1411-1278*	S45°25'42"E	149.47'
1412-1413*	N42°51'06"W	40.03'
1414-1411*	S42°51'06"E	39.37'
1743-1744*	N37°50'17"W	330.91'
1415-1414*	S38°01'02"E	314.70'
1748-1419*	N42°40'21"W	94.99'
1419-1422*	N40°31'26"W	47.50'
1421-1420*	S40°09'04"E	22.54'
1422-1287*	N37°16'43"W	167.68'
1750-1749*	S37°03'36"E	180.72'
1411-1412	S46°36'41"W	35.00'
1413-1414	N47°41'08"E	35.00'
1411-1412	S46°36'41"W	35.00'
1413-1414	N47°41'08"E	35.00'
1415-1416	S56°16'48"W	10.00'
1416-1417*	N33°10'58"W	39.56'
1417-1418	N21°10'15"W	53.57'
1740-1741	S42°31'56"W	10.00'
1742-1411	N46°36'41"E	25.00'
1278-1740	S47°28'04"E	36.62'
1419-1817	N01°44'36"W	15.78'
1287-1750	N11°33'53"E	20.82'

* INDICATES LCH AND LCB

STATION & OFFSET TABLE (WAUKESHA BYPASS)		
Point	Station	Offset
PRW1277	176+77.21	100.00L
PRW1278	180+82.62	100.00L
PRW1279	174+79.00	130.00R
PRW1280	174+95.00	130.00R
PRW1281	175+05.00	120.00R
PRW1282	176+51.88	120.00R
PRW1283	179+51.04	264.71R
PRW1284	179+48.54	162.55R
PRW1285	180+12.52	100.00R
PRW1286	180+82.62	100.00R
PRW1287	185+26.57	100.00R
PRW1298	188+00.34	100.00L
PRW1299	187+00.04	100.00R
PLE1411	182+25.00	100.00L
PLE1412	182+25.00	135.00L
PLE1413	182+62.50	135.00L
PLE1414	182+62.50	100.00L
PLE1415	185+62.50	100.00L
PLE1416	185+62.50	110.00L
PLE1417	186+00.00	110.00L
PLE1418	186+50.00	100.00L
PLE1419	183+00.00	100.00R
PLE1420	183+26.02	120.00R
PLE1421	183+50.00	120.00R
PLE1422	183+50.00	100.00R
TLE1740	180+50.00	100.00L
TLE1741	180+50.00	110.00L
TLE1742	182+25.00	125.00L
TLE1743	182+62.50	120.00L
TLE1744	185+75.00	120.00L
TLE1745	185+90.00	175.00L
TLE1743	186+20.00	175.00L
TLE1747	186+40.00	101.89L
TLE1743	182+00.00	100.00R
TLE1749	183+50.00	115.00R
TLE1750	185+41.82	115.00R
TLE1817	183+12.89	110.00R

STATION & OFFSET TABLE (MacARTHUR RD.)		
Point	Station	Offset
PLE1295	51+25.66	50.00L
PLE1288	51+25.67	50.00R
PLE1300	51+68.84	50.00L
PLE1289	53+20.41	50.00R
PLE1294	53+20.41	50.00L
PLE1301	53+38.87	50.00R
PLE1290	55+64.72	50.00R
PLE1293	55+64.72	50.00L
PLE1291	56+27.41	50.00R
PLE1292	56+28.93	50.00L

CURVE DATA R/L
PI = 196+18.01
Y = 155882.58
X = 666227.69
DELTA= 75°01'36"R
D = 2°51'53"
T = 1535.39'
L = 2618.92'
R = 2000.00'

CURVE DATA R/L
PI = 54+44.65
Y = 155483.05
X = 667399.17
DELTA= 25°41'02"R
D = 10°30'47"
T = 124.24'
L = 244.31'
R = 545.00'
PC = 53+20.41
PT = 55+64.72

CONC. MON. W/BRASS CAP
N 155339.70
E 665883.10

CONC. MON. W/BRASS CAP
N 155418.28
E 668524.90

SEE RIGHT OF WAY PROJECT PLAT #2788-00-20 FOR COMPLETE INFORMATION STA.187+53.01 TO STA.201+23.82 AS STATIONED IN RIGHT OF WAY PROJECT #2788-00-22. ALSO THAT PART OF Mac ARTHUR ROAD FROM STA.52+52.27 TO STA.56+28.93

APPROVED FOR DESIGN OF UTILITY ADJUSTMENTS

ROAD NAME	BASIS OF EXISTING R/W	YEAR	WIDTH
MERRILL HILLS RD.	WARRANTY DEED DOC. 2705551	2001	VARIES
MERRILL HILLS RD.	AWARD OF DAMAGES	2001	VARIES
MERRILL HILLS RD.	CSM 7971	1996	100'

REVISION DATE: 08/28/2015 03/02/2016	DATE: 05/21/2015	SCALE, FEET 0 50 100	HWY: USH 18	STATE R/W PROJ. #2788-00-22	PLAT SHEET 4.16	
			COUNTY: WAUKESHA	CONST. PROJ. #2788-00-71,72 ; 2788-02-70	PS&E SHEET	E

PRE_113

FILE NAME : S:\Wauk_Co\CO_Gov\100075 Waukesha Bypass Study\Survey\DGN\RW_Plat_sheets\140275_rw_16_rp.dgn PLOT DATE : 3/2/2016 PLOT BY : rkhaytina PLOT NAME : PLOT SCALE : 1:100

CITY OF WAUKESHA

CONC. MON.
W/BRASS CAP
Y 155339.70
N 665883.10

T 6 N R 19 E 17 17

GN

SW-NE

CITY OF WAUKESHA
TOWN OF WAUKESHA 2642.97' N88°17'46"E

1 A.P.
AGRICULTURE ONLY

100'

PL

E(P)
E(P)
S/L
955.79'

188+00.34
-100.00'

WAUKESHA BYPASS

190

195

R/L

200

201+23.92
R/L=1/16TH

100'

111.14'

187+53.01
R/L=S/L

SEE SHEET 4.16

112.54'

SW-NE

187+00.04
100'R

25'

701

WE ENERGY UNDERGROUND
CABLE EASEMENT DOC. 912173
R.121 l.530

SE-NE

T 6 N R 19 E 7 8

CONC. MON.
W/BRASS CAP
Y 155418.28
X 668524.90

SEE RIGHT OF WAY PROJECT PLAT
#2788-00-20 FOR COMPLETE
INFORMATION STA.187+53.01 TO
STA.201+23.82 AS STATIONED IN RIGHT
OF WAY PROJECT #2788-00-22. ALSO
THAT PART OF Mac ARTHUR ROAD FROM
STA.52+52.27 TO STA.56+28.93

CURVE DATA R/L
PI = 196+18.01
Y = 155882.58
X = 666227.69
DELTA= 75°01'36"R
D = 2°51'53"
T = 1535.39'
L = 2618.92'
R = 2000.00'
PC = 180+82.62
Y = 154844.65
X = 667359.12
PT = 207+01.54
Y = 157243.76
X = 666938.06

CITY OF WAUKESHA

1/16TH

1/16TH

CITY OF WAUKESHA
TOWN OF WAUKESHA

PL

TOWN OF WAUKESHA

N88°29'21"E

CSM 7971
D.2109301

SW-NE

SE-NE

NW-NE

NE-NE

SEE SHEET 4.18

4

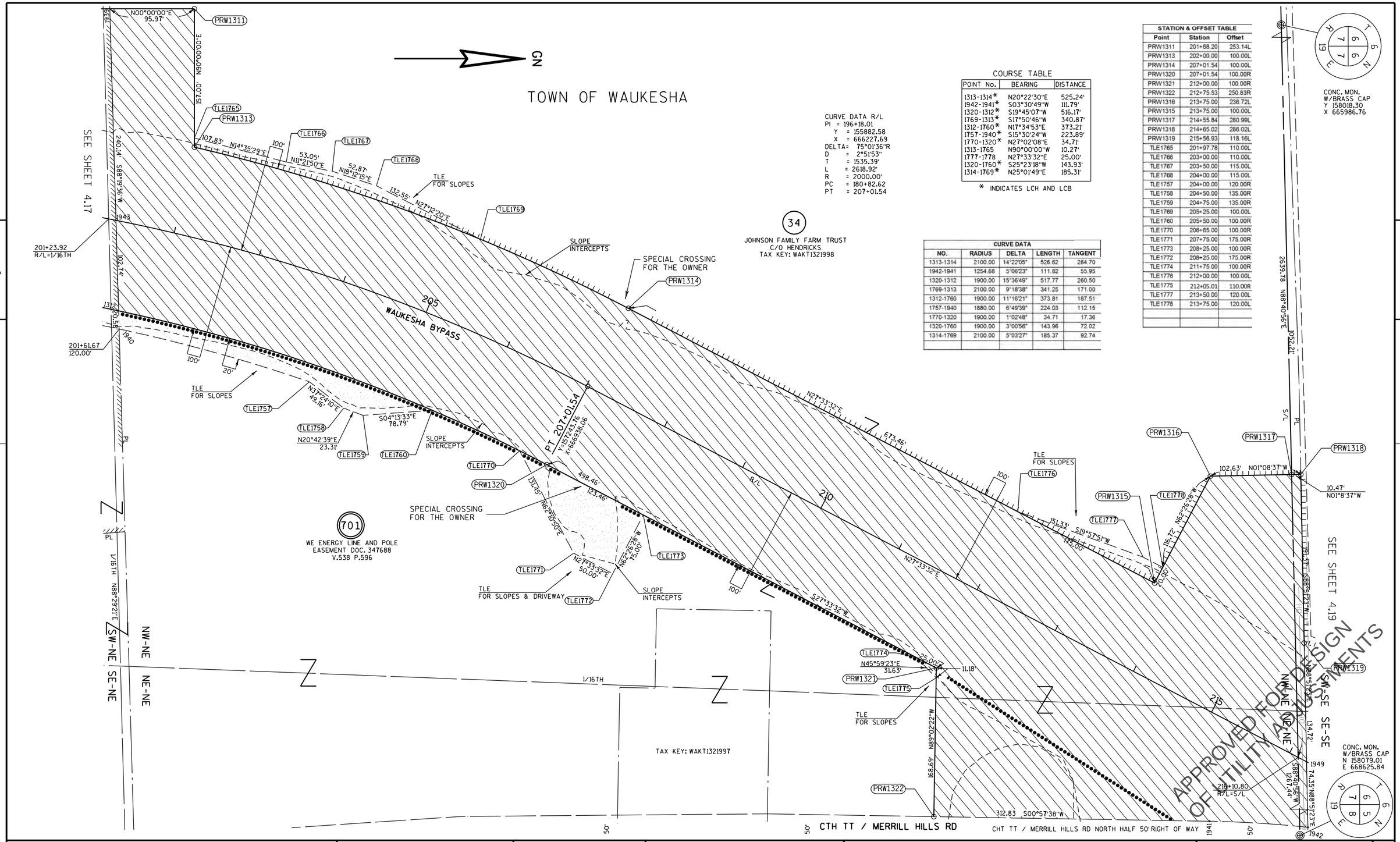
4

APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS

REVISION DATE: 08/28/2015 03/02/2016	DATE: 05/21/2015	SCALE, FEET 0 50 100	HWY: USH 18	STATE R/W PROJ. #2788-00-22	PLAT SHEET 4.17	
			COUNTY: WAUKESHA	CONST. PROJ. #2788-00-71,72 ; 2788-02-70	PS&E SHEET	E

PRE_114

FILE NAME : S:\Wauk_Co\CO_Gov\100075 Waukesha Bypass Study\Survey\DGN\RW_Plat_sheets\140275_rw_17_rp.dgn PLOT DATE : 3/2/2016 PLOT BY : rkhaytina PLOT NAME : PLOT SCALE : 1:100



COURSE TABLE		
POINT No.	BEARING	DISTANCE
1313-1314*	N20°22'30"E	525.24'
1942-1941*	S03°30'49"W	111.79'
1320-1312*	S19°45'07"W	516.17'
1769-1313*	S17°50'46"W	340.87'
1312-1760*	N17°34'53"E	373.21'
1757-1940*	S15°30'24"W	223.89'
1770-1320*	N27°02'08"E	34.71'
1313-1765	N90°00'00"W	10.27'
1777-1778	N27°33'32"E	25.00'
1320-1760*	S25°23'18"W	143.93'
1314-1769*	N25°01'49"E	185.31'

* INDICATES LCH AND LCB

CURVE DATA				
NO.	RADIUS	DELTA	LENGTH	TANGENT
1313-1314	2100.00	14°22'05"	526.62	264.70
1942-1941	1254.68	5°06'23"	111.82	55.95
1320-1312	1900.00	15°36'49"	517.77	260.50
1769-1313	2100.00	9°18'38"	341.25	171.00
1312-1760	1900.00	11°16'21"	373.81	187.51
1757-1940	1880.00	6°49'39"	224.03	112.15
1770-1320	1900.00	1°02'48"	34.71	17.36
1320-1760	1900.00	3°00'56"	143.96	72.02
1314-1769	2100.00	5°03'27"	185.37	92.74

STATION & OFFSET TABLE		
Point	Station	Offset
PRW1311	201+68.20	253.14L
PRW1313	202+00.00	100.00L
PRW1314	207+01.54	100.00L
PRW1320	207+01.54	100.00R
PRW1321	212+00.00	100.00R
PRW1322	212+75.53	250.83R
PRW1316	213+75.00	236.72L
PRW1315	213+75.00	100.00L
PRW1317	214+55.84	280.99L
PRW1318	214+65.02	286.02L
PRW1319	215+58.93	118.16L
TLE1765	201+97.78	110.00L
TLE1766	203+00.00	110.00L
TLE1767	203+50.00	115.00L
TLE1768	204+00.00	115.00L
TLE1757	204+00.00	120.00R
TLE1758	204+50.00	135.00R
TLE1759	204+75.00	135.00R
TLE1769	205+25.00	100.00L
TLE1760	205+50.00	100.00R
TLE1770	206+65.00	100.00R
TLE1771	207+75.00	175.00R
TLE1773	208+25.00	100.00R
TLE1772	208+25.00	175.00R
TLE1774	211+75.00	100.00R
TLE1776	212+00.00	100.00L
TLE1775	212+05.01	110.00R
TLE1777	213+50.00	120.00L
TLE1778	213+75.00	120.00L

REVISION DATE: 08/28/2015 03/02/2016	DATE: 05/21/2015	SCALE, FEET 0 50 100	HWY: USH 18	STATE R/W PROJ. #2788-00-22	PLAT SHEET 4.18
			COUNTY: WAUKESHA	CONST. PROJ. #2788-00-71,72 ; 2788-02-70	PS&E SHEET E

PRE_115

FILE NAME : S:\Wauk_Co\CO_Gov\100075 Waukesha Bypass Study\Survey\DGN\RW_Plat_sheets\140275_rw_18_rp.dgn PLOT DATE : 3/2/2016 PLOT BY : rkhaytina PLOT NAME : PLOT SCALE : 1:100

USH 18 2788-00-22 4.18

ROAD NAME	BASIS OF EXISTING R/W	YEAR	WIDTH
CTH TT/MERRILL HILLS RD	WISCONSIN STATE STATUE 82.18	2002	33'

CONC. MON.
W/BRASS CAP
Y 158018.30
X 665986.76

T 6 N R 19 E — 6 7 6 7

SW-SE SE-SE NW-SE NE-SE

1372.34'

N21°25'31"E 510.72'

KAME LOT 1

OUTLOT 2

216+10.81
R/L=S/L

SEE SHEET 4.18

1267.44'

122.50'

N27°33'32"E

R/W R/L S11°30'05"W

PC 218+81.01
Y=158289.41
X=667483.75

185.00' N62°26'28"W

MERRILL HILLS RD

N09°11'19"E 57.29'

1819

421.89' S20°58'57"W

PRW1323

TLE1779 TLE1780

99.70' N20°58'57"E

5'

254.44' S26°41'02"W 103.12'

TLE1781

PRW1324

TLE1782

50.00' N63°34'54"W

TLE1783

S26°11'02"W 91.39'

TLE1784

S59°05'58"W 54.17'

TLE1785

S25°36'39"W 40.73'

TLE1786

111.56' S28°26'36"E

TLE1787

1 A.P.

SLOPE INTERCEPT

701
WE ENERGY LINE AND POLE
NON DESCRIPTIVE EASEMENT
DOC. 212650 V.268
P.502

TLE
FOR SLOPES & DRIVEWAY

36
HAZEL DANNER & SUCCESSORS
TAX KEY: WAKT1320998001

2639.78' N88°40'05"E

S/L

CONC. MON.
W/BRASS CAP.
Y 158079.01
X 668625.84

T 6 N R 19 E — 7 6 8 5

COURSE TABLE

POINT No.	BEARING	DISTANCE
1218-1217	S23°46'53"W	101.19'
1217-1216*	S21°36'01"W	151.57'
1216-1215	S38°40'03"W	52.67'
1215-1214*	S23°15'55"W	392.86'
1215-1601*	S22°36'34"W	138.75'
1214-1601*	N23°37'24"E	254.13'
1214-1601*	N23°37'24"E	254.13'
1605-1215*	N22°26'48"E	75.68'
1800-1801	N12°21'16"E	490.14'
1324-1214*	N25°13'07"E	363.92'
1600-1787*	S24°42'41"W	177.15'
1779-1780	N69°01'03"W	5.00'
1214-1600	N88°40'52"E	11.09'
1602-1603*	S23°03'55"W	37.99'
1604-1600*	S23°42'31"W	211.70'
1606-1607*	S22°24'11"W	92.64'

* INDICATES LCH AND LCB

STATION & OFFSET TABLE

Point	Station	Offset
1323PRW	217+33.31	145.00R
1324PRW	221+50.00	100.00R
1214PRW	225+10.65	100.00R
1215PRW	229+00.00	100.00R
1216PRW	229+50.00	115.00R
1217PRW	231+00.00	115.00R
1779TLE	218+99.44	125.84R
1780TLE	219+00.00	130.81R
1781TLE	219+97.99	120.00R
1782TLE	221+00.00	120.00R
1783TLE	221+00.00	170.00R
1784TLE	221+90.00	170.00R
1785TLE	222+35.00	200.00R
1786TLE	222+75.00	200.00R
1787TLE	223+40.00	110.00R
1600TLE	225+15.40	110.00R
1604TLE	227+25.00	110.00R
1603TLE	227+25.00	145.00R
1601TLE	227+62.50	100.00R
1602TLE	227+62.50	145.00R
1605TLE	228+25.00	100.00R
1607TLE	228+25.00	105.00R
1606TLE	229+16.77	105.00R
1608TLE	231+55.00	117.64R
1634TLE	231+55.00	122.63R

CURVE DATA

NO.	RADIUS	DELTA	LENGTH	TANGENT
1214-1324	11100.00	1°52'43"	363.93	181.98
1217-1216	11115.00	0°46'53"	151.57	75.79
1215-1214	11100.00	2°01'41"	392.88	196.46
1600-1787	11110.00	0°54'49"	177.15	88.58
1214-1601	11100.00	1°18'42"	254.13	127.07
1602-1603	11145.00	0°11'43"	37.99	19.00
1604-1600	11110.00	1°05'30"	211.70	105.85
1605-1215	11100.00	0°23'26"	75.68	37.84
1606-1607	11105.00	0°28'41"	92.64	46.32
1215-1601	11100.00	0°42'58"	138.75	69.38

CURVE DATA R/L
PI = 231+15.16
Y = 159383.52
X = 668054.74
DELTA= 12°48'11"L
D = 0°31'15"
T = 1234.14'
L = 2458.01'
R = 11000.00'
PT = 243+39.02
Y = 160576.96
X = 668369.08

701
WE ENERGY LINE AND POLE
EASEMENT ALONG HIGHWAY
DOC. 154941
V210 P358

CSM 5416
LOT 1
V43 P306-308
D. 1465954

701
WE ENERGY LINE AND POLE
EASEMENT ALONG HIGHWAY
DOC. 154942
V.210 P.358

701
WE ENERGY LINE AND POLE
NON DESCRIPTIVE EASEMENT
DOC. 212650
V.268 P.502

701
WE ENERGY LINE AND POLE
EASEMENT ALONG HIGHWAY
DOC. 154941
V.210 P358

701
WE ENERGY LINE AND POLE
EASEMENT ALONG HIGHWAY
DOC. 154942
V.210 P.358

38
CHRISTOPH FAMILY TRUST
TAX KEY: WAKT1320998

TLE
FOR SLOPES & DRIVEWAY

1 A.P.
RESIDENTIAL ONLY

TLE1600 TLE1601 TLE1602 TLE1603 TLE1604 TLE1605 TLE1606 TLE1607

N66°50'14"W 35.00

S67°01'57"E 45.00

N38°40'03"E 17.65'

PRW1214 PRW1215 PRW1216 PRW1217 PRW1218

S23°46'53"W 101.19'

GN

S70°12'04"E

KAME TERRACE R/W R/L

LOT III TERRACE

OUTLOT 1

WAUKESHA COUNTY - PARKS & LAND USE

TOWN OF WAUKESHA

CSM 3153
PARCEL 2
Doc. 1026372
Vol.23 Pg.272-273

CSM 3657
PARCEL B
DOC. 1102827
Vol.28 Pg.68-70

1/16TH

N88°39'06"E

221+38.31 KAME TERRACE
50+00.00 USH 18
Y=158518.88
X=667600.12

P190+00.00

P192+25.00

S12°21'16"W

N12°21'16"E

N88°40'52"E 17.50'

103.20' N12°21'16"E

573.59' N11°30'05"E

178.90'

160.57' S88°40'52"W

490.14' N12°21'16"E

146.60' N17°17'49"E

WAUKESHA BYPASS

SEE SHEET 4.20

PI 231+15.16

230+68.39
R/L=1/16TH

APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS

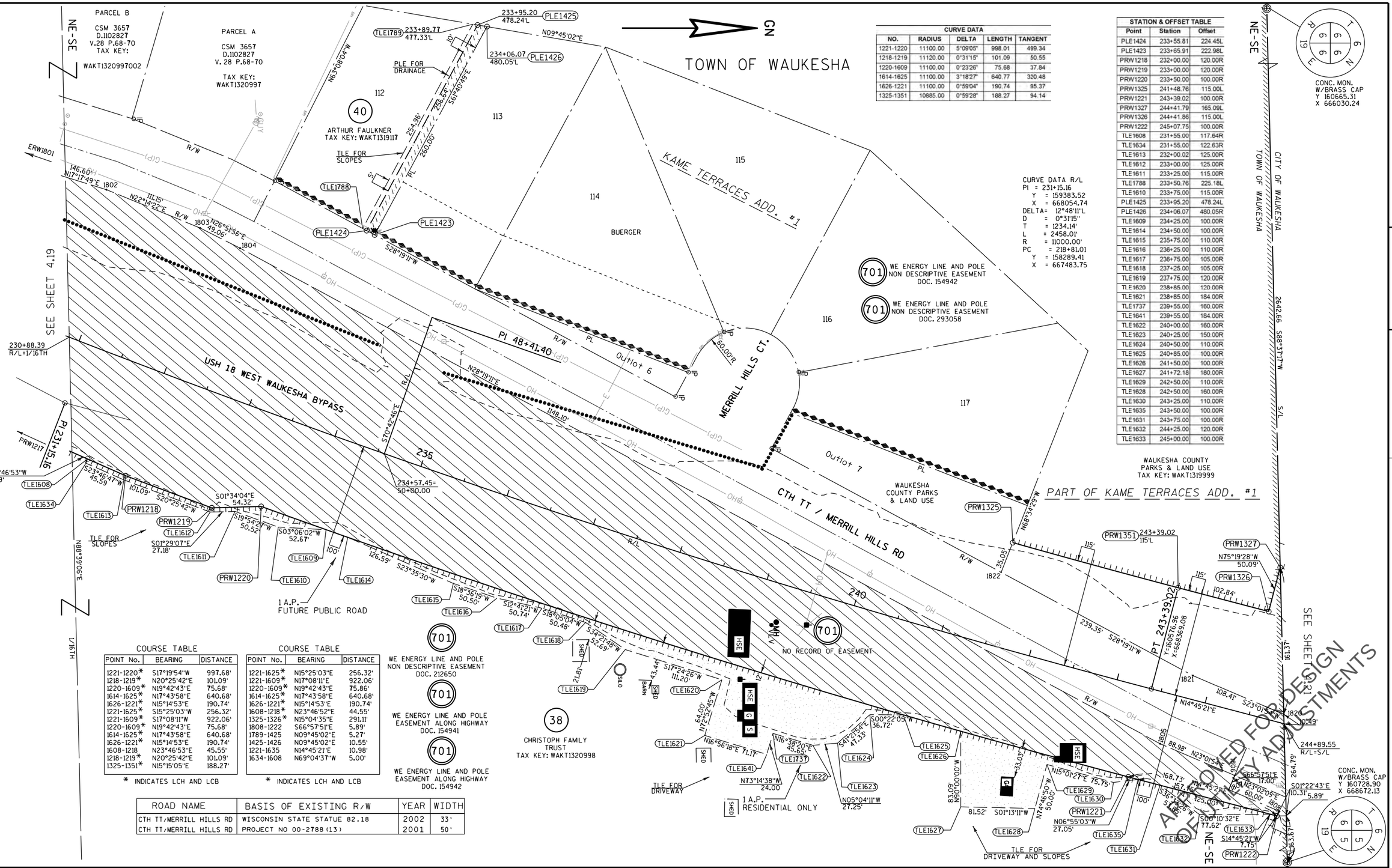
1800 1801 1802 1809 1816 1818

225 230

4 4

REVISION DATE: 08/28/2015 03/02/2016	DATE: 05/21/2015	SCALE, FEET 0 50 100	HWY: USH 18	STATE R/W PROJ. #2788-00-22	PLAT SHEET 4.19
			COUNTY: WAUKESHA	CONST. PROJ. #2788-00-71,72 ; 2788-02-70	PS&E SHEET PRE_116 E

FILE NAME : S:\Wauk_Co\CO_Gov\100075 Waukesha Bypass Study\Survey\DGN\RW_Plat_sheets\140275_rw_19_rp.dgn PLOT DATE : 3/2/2016 PLOT BY : rkhaytina PLOT NAME : PLOT SCALE : 1:100



CURVE DATA

NO.	RADIUS	DELTA	LENGTH	TANGENT
1221-1220	11100.00	5°09'05"	998.01	499.34
1218-1219	11120.00	0°31'15"	101.09	50.55
1220-1609	11100.00	0°23'26"	75.68	37.84
1614-1625	11100.00	3°18'27"	640.77	320.48
1626-1221	11100.00	0°59'04"	190.74	95.37
1325-1351	10885.00	0°59'28"	188.27	94.14

CURVE DATA R/L
PI = 231+15.16
Y = 159383.52
X = 668054.74
DELTA= 12°48'11"L
D = 0°31'15"
T = 1234.14'
L = 2458.01'
R = 11000.00'
PC = 218+81.01
Y = 158289.41
X = 667483.75

STATION & OFFSET TABLE

Point	Station	Offset
PLE1424	233+55.81	224.45L
PLE1423	233+65.91	222.98L
PRW1218	232+00.00	120.00R
PRW1219	233+00.00	120.00R
PRW1220	233+50.00	100.00R
PRW1325	241+48.76	115.00L
PRW1221	243+39.02	100.00R
PRW1327	244+41.79	165.09L
PRW1326	244+41.86	115.00L
PRW1222	245+07.75	100.00R
TLE1608	231+55.00	117.64R
TLE1634	231+55.00	122.63R
TLE1613	232+00.02	125.00R
TLE1612	233+00.00	125.00R
TLE1611	233+25.00	115.00R
TLE1788	233+50.76	225.18L
TLE1610	233+75.00	115.00R
PLE1425	233+95.20	478.24L
PLE1426	234+06.07	480.05R
TLE1609	234+25.00	100.00R
TLE1614	234+50.00	100.00R
TLE1615	235+75.00	110.00R
TLE1616	236+25.00	110.00R
TLE1617	236+75.00	105.00R
TLE1618	237+25.00	105.00R
TLE1619	237+75.00	120.00R
TLE1620	238+85.00	120.00R
TLE1621	238+85.00	184.00R
TLE1737	239+55.00	160.00R
TLE1641	239+55.00	184.00R
TLE1622	240+00.00	160.00R
TLE1623	240+25.00	150.00R
TLE1624	240+50.00	110.00R
TLE1625	240+85.00	100.00R
TLE1626	241+50.00	100.00R
TLE1627	241+72.18	180.00R
TLE1629	242+50.00	110.00R
TLE1628	242+50.00	160.00R
TLE1630	243+25.00	110.00R
TLE1635	243+50.00	100.00R
TLE1631	243+75.00	100.00R
TLE1632	244+25.00	120.00R
TLE1633	245+00.00	100.00R

COURSE TABLE

POINT No.	BEARING	DISTANCE
1221-1220*	S17°19'54"W	997.68'
1218-1219*	N20°25'42"E	101.09'
1220-1609*	N19°42'43"E	75.68'
1614-1625*	N17°43'58"E	640.68'
1626-1221*	N15°14'53"E	190.74'
1221-1625*	S15°25'03"W	256.32'
1221-1609*	S17°08'11"W	922.06'
1220-1609*	N19°42'43"E	75.68'
1614-1625*	N17°43'58"E	640.68'
1626-1221*	N15°14'53"E	190.74'
1608-1218	N23°46'53"E	45.55'
1218-1219*	N20°25'42"E	101.09'
1325-1351*	N15°15'05"E	188.27'

* INDICATES LCH AND LCB

COURSE TABLE

POINT No.	BEARING	DISTANCE
1221-1625*	N15°25'03"E	256.32'
1221-1609*	N17°08'11"E	922.06'
1220-1609*	N19°42'43"E	75.86'
1614-1625*	N17°43'58"E	640.68'
1626-1221*	N15°14'53"E	190.74'
1608-1218*	N23°46'52"E	44.55'
1325-1326*	N15°04'35"E	291.11'
1808-1222	S66°57'51"E	5.89'
1789-1425	N09°45'02"E	5.27'
1425-1426	N09°45'02"E	10.55'
1221-1635	N14°45'21"E	10.98'
1634-1608	N69°04'37"W	5.00'

* INDICATES LCH AND LCB

ROAD NAME	BASIS OF EXISTING R/W	YEAR	WIDTH
CTH TT/MERRILL HILLS RD	WISCONSIN STATE STATUE 82.18	2002	33'
CTH TT/MERRILL HILLS RD	PROJECT NO 00-2788 (13)	2001	50'

AREA OPEN FOR DESIGN
QUANTITY ADJUSTMENTS

REVISION DATE: 08/28/2015
03/02/2016

DATE: 05/21/2015

SCALE, FEET
0 50 100

HWY: USH 18

COUNTY: WAUKESHA

STATE R/W PROJECT NUMBER 2788-00-22

CONSTRUCTION PROJECT NUMBER 2788-00-70,71,72

PLAT SHEET 4.20

PS&E SHEET E

PRE_117

FILE NAME : S:\Wauk_Co\CO_Gov\100075 Waukesha Bypass Study\Survey\DGN\RW_Plat_sheets\140275_rw_20_rp.dgn PLOT DATE : 3/2/2016 PLOT BY : rkhaytina PLOT NAME : PLOT SCALE : 1:100

USH 18 2788-00-22 4.20

CITY OF WAUKESHA

RETZER NATURE CENTER
CSM 9614
OUTLOT 1
D.3036667
V.88 P.182-188

CONC. MON.
W/BRASS CAP
Y 160665.31
X 666030.24

SEE SHEET 4.20

1/4 S/L

S88°31'17"W 2642.86'

244+89.55
R/L=1/4 S/L

245

PC 245+97.23

N14°45'21"E 264.79

25' SIDEWALK EASEMENT PER CSM 9614

39
FHB INVESTMENTS, LLC.
TAX KEY: WAKC1317002

TLE1790

TLE1791

TLE FOR SLOPES

92.27 N07°45'10"E

SLOPE INTERCEPTS

MERRILL HILLS RD / CTH TT

250

CURVE 1791-1428
DELTA= 2°15'51"L
R = 5619.58'
T = 111.04'
L = 222.06'
LCB = N12°22'30"E
LCH = 222.05'

CURVE 1427-1790
DELTA= 3°11'54"R
R = 5629.58'
T = 157.17'
L = 314.26'
LCB = N12°50'32"E
LCH = 314.22'

CURVE 1428-1429
DELTA= 0°38'09"L
R = 5619.58'
T = 31.18'
L = 62.36'
LCB = N10°55'31"E
LCH = 62.36'

CURVE 1430-1427
DELTA= 0°38'02"R
R = 5629.58'
T = 31.15'
L = 62.29'
LCB = N10°55'34"E
LCH = 62.29'

VISION CORNER EASEMENT

PLE FOR DRAINAGE

PLE1428

N78°45'25"W 10.00'

PLE1427

PLE1429

TLE1794

TLE1793

TLE1792

WATER UTILITY
CITY OF WAUKESHA
DOC. 3193905
603

PERMANENT SIDEWALK EASEMENT/PER HERITAGE HILLS SUBDIVISION PLAT

MADISON ST.

PRW700

55.84'

S78°20'44"E

33'

PRW901

PRW902

53.00'

N11°07'38"E 141.10'

PRW701

602

PERMANENT SIDEWALK EASEMENT CITY OF WAUKESHA DOC. 3193905

PI 49+57.05
Y=161734.40
X=668575.30

255+13.69 MERRILL HILLS=
50+00.00 MADISON ST
Y=161724.31
X=668617.05

78.85'

1069.36'

SLOPE INTERCEPT

101
TIMM
TAX KEY: WAKC1317064

602
30' DRAINAGE/STORM SEWER EASEMENT/CITY OF WAUKESHA DOC. 3193905

N89°59'53"E 62

HERITAGE HILLS

30' WATER UTILITY CITY OF WAUKESHA DOC. 3193905
603

47+95.00 TLE540
33', 38.54' TLE541

48+25.00 TLE542
38.54'L

S68°55'02"W 70.83'

N28°18'24"W 61

102
SODEMANN
TAX KEY: WAKC1317063
DOC. 041100255

602
30' DRAINAGE/STORM SEWER EASEMENT CITY OF WAUKESHA DOC. 3193905

256+00.00 TLE543
110'

TLE544 257+42.62
100'

S53°22'28"E

104
ZOREK
TAX KEY: WAKC1317062

N16°58'37"E 82.61

13.64'

TLE545

CONC. MON.
W/BRASS CAP
Y 163264.65
X 668749.35

CONC. MON.
W/BRASS CAP
Y 163264.67
X 668728.11

SEE SHEET 4.22

SE-NE

CITY OF WAUKESHA
TOWN OF WAUKESHA

S23°01'45"W

PRW1328

11.01'

N50°43'34"E 1824

PRW1329

N37°15'51"W 19.44'

444.96'
N01°15'52"E 2536.39'

S21°39'42"W

PRW1330

PRW1331

CURVE 1824-1823
DELTA= 10°02'47"L
R = 1366.00'
T = 120.07'
L = 239.52'
LCB = N18°01'21"E
LCH = 239.21'

CURVE 1329-1331
DELTA= 8°48'38"R
R = 1381.00'
T = 106.39'
L = 212.36'
LCB = N18°50'16"E
LCH = 167.23'

42
BROOKSHIRE CONDOMINIUM
TAX KEY: WAKC1314003-1314036

41
CITY OF WAUKESHA
TAX KEY: WAKC1315999

CONC. MON.
W/BRASS CAP
Y 160728.90
X 668672.13
STA. 245+63.13
OFFSET 254.36'

N88°42'51"W 2653.55

1/4 S/L

CONC. MON.
W/BRASS CAP
Y 160669.43
X 671325.01

SW-NW

255

21.56'
S88°44'08"E

PRW702

ERW965
1467.03'

N00°59'42"W 92.66'

46.21'

256+15.00
94.14'

16.02'
N11°03'14"W

256+00.00
99.25' TLE550

36.50
N07°25'47"E

255+63.95
99.42' TLE546

PI 255+87.62

605
TWC
NO RECORD OF EASEMENT

601
WE ENERGIES
NO RECORD OF EASEMENT

605
ATT
NO RECORD OF EASEMENT

103
HARROGATE A VILLAGE OF BROOKSHIRE CONDOMINIUM
TAX KEY: WAKC1314113
DOC. 3316556

ERW911
PRW703
TLE635

CURVE 703-702
DELTA= 3°14'09"R
R = 5066.50'
T = 143.11'
L = 286.14'

CURVE 965-911
DELTA= 4°04'35"L
R = 5794.58'
T = 206.22'
L = 412.27'

CURVE 635-551
DELTA= 3°03'32"R
R = 5071.50'
T = 135.41'
L = 270.75'

CURVE 701-902
DELTA= 0°15'49"R
R = 5629.58'
T = 12.96'
L = 25.91'

CURVE 902-701
DELTA= 1°33'43"R
R = 5629.58'
T = 76.74'
L = 153.61'

CURVE 548-904
DELTA= 0°53'57"R
R = 5629.58'
T = 44.17'
L = 88.34'

R/L CURVE DATA
CTH TT
PI = 255+87.62
Y = 161784.38
X = 668687.10
DELTA= 14°06'52"L
D = 0°42'58"
T = 990.38'
L = 1970.74'
R = 8000.00'
PC = 245+97.23
Y = 160826.66
X = 668434.85
PT = 265+67.97
Y = 162774.70
X = 668698.19

S89°30'58"E

1/16TH

BROOKSHIRE CONDOMINIUMS

PARCEL 1
CSM 4024
D.1168093
V.1 P.377-391

STATION & OFFSET TABLE (WAUKESHA BYPASS)

Point	Station	Offset
PRW1328	248+00.00	122.44R
PRW1329	248+25.00	141.95R
PRW1330	249+88.14	160.29R
PRW1331	250+32.23	162.36R
PRW701	255+80.56	92.87L
PRW702	255+99.48	89.25R
TLE1790	251+06.49	114.27L
PLE1427	254+24.57	98.52L
PLE1428	254+25.00	108.51L
PLE1429	254+88.16	105.98L
TLE1791	252+00.00	119.13L
TLE1792	254+78.03	106.37L
TLE546	255+63.95	99.42R
TLE543	256+00.00	110.00L
TLE550	256+00.00	99.25R
TLE551	256+15.00	94.14R
TLE544	257+42.62	100.00L
TLE545	258+25.00	86.05L

STATION & OFFSET TABLE (MADISON ST.)

Point	Station	Offset
PRW700	48+50.84	33.00L
TLE541	47+95.00	38.54L
TLE540	47+95.00	33.00L
TLE1794	48+00.00	33.00R
TLE1793	48+00.00	43.00R
TLE542	48+25.00	38.54L
TLE1795	52+35.84	55.00R
TLE547	54+00.00	60.00L
TLE548	54+00.00	50.00L
TLE1797	54+00.00	50.00R
TLE1796	54+00.00	55.00R

TLE1795

TLE FOR SLOPES

MADISON ST.

308.14'

305.97'

TLE FOR SLOPES

TLE1796

TLE1797

S76°24'28"E

54+00.00 TLE548
50', 60' TLE547

HARROGATE PHASE 1

COURSE TABLE

POINT No.	BEARING	DISTANCE
902-900	N78°20'44"W	30.75'
901-701	N75°15'12"E	40.70'
701-902	S09°48'58"W	25.91'
900-700	N78°20'44"W	22.25'
700-901	N75°15'12"E	17.54'
901-900	S28°18'24"E	10.18'
965-911*	N06°28'47"E	113.27'
703-702*	S05°36'40"W	266.10'
1791-1428*	N12°22'30"E	222.05'
1428-1429*	N10°55'31"E	62.36'
1427-1790*	S12°50'32"W	314.22'
1430-1427*	S10°55'34"W	62.29'
1824-1823*	N18°00'21"E	239.21'
1329-1331*	N17°54'13"E	212.15'

* INDICATES LC AND LCB

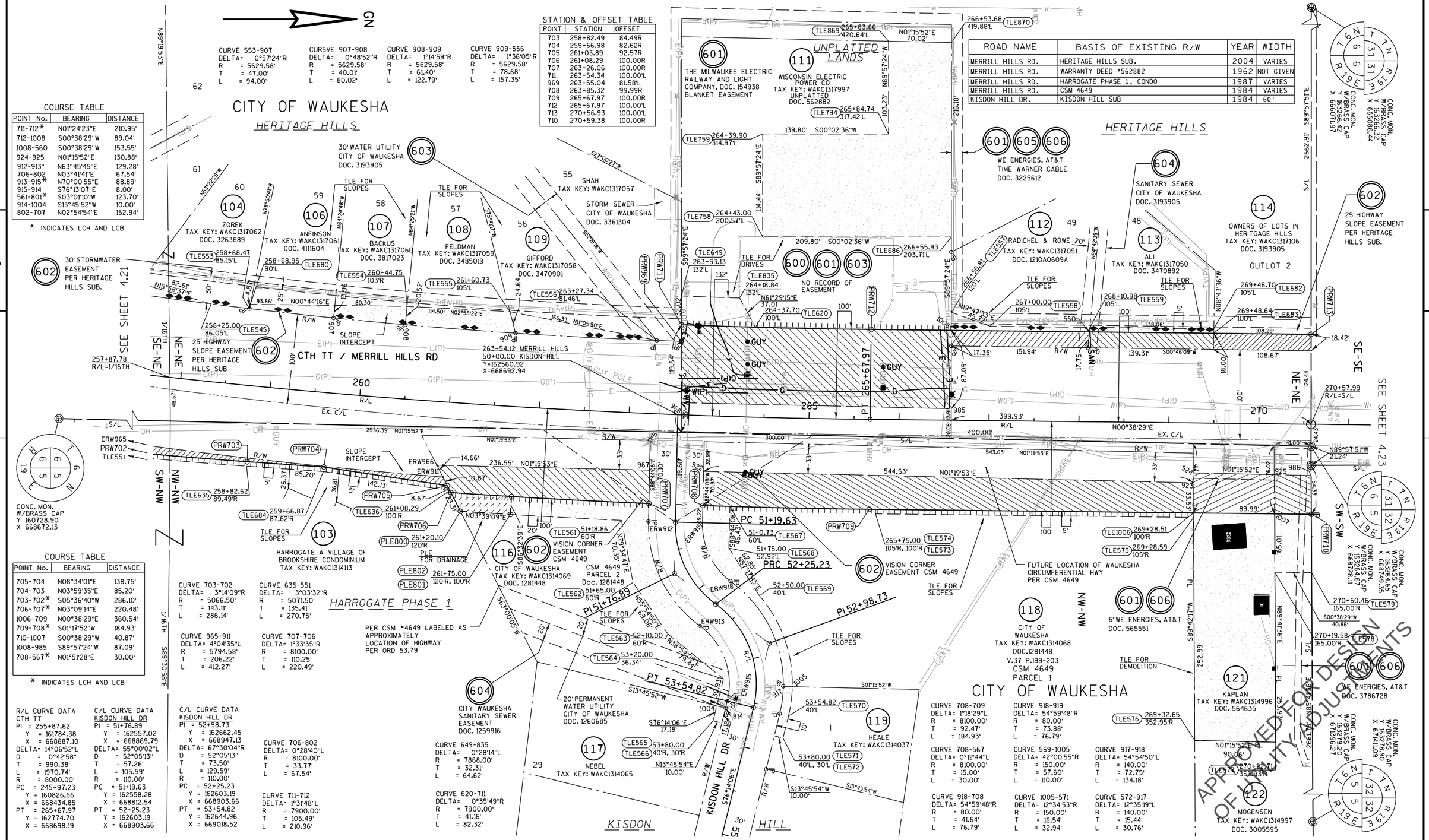
ROAD NAME	BASIS OF EXISTING R/W	YEAR	WIDTH
MERRILL HILLS RD.	CSM 9614	2003	VARIES
MADISON ST.	CSM 9614	2003	33'
MADISON ST.	HERITAGE HILLS SUB.	2004	VARIES
MERRILL HILLS RD.	HARROGATE PHASE 1, CONDO	1987	VARIES
MERRILL HILLS RD./ MAISON ST.	BROOKSHIRE CONDO	1981	VARIES

APPROVED FOR DESIGN UTILITY ADJUSTMENTS

REVISION DATE: 08/28/2015 03/02/2016	DATE: 05/21/2015	SCALE, FEET 0 50 100	HWY: USH 18	STATE R/W PROJ. #2788-00-22	PLAT SHEET 4.21
			COUNTY: WAUKESHA	CONST. PROJ. #2788-00-71,72 ; 2788-02-70	PS&E SHEET E

PRE_118

FILE NAME : S:\Wauk_Co\CO_Gov\100075 Waukesha Bypass Study\Survey\DGN\RW_Plat_sheets\140275_rw_21_rp.dgn PLOT DATE : 3/2/2016 PLOT BY : rkhaytina PLOT NAME : PLOT SCALE : 1:100



REVISION DATE: 08/28/2015 03/02/2016	DATE: 05/21/2015	SCALE. FEET 0 50 100	HWY: USH 18	STATE R/W PROJ. #2788-00-22	PLAT SHEET 4.22
			COUNTY: WAUKESHA	CONST. PROJ. #2788-00-71,72 ; 2788-02-70	PS&E SHEET E

FILE NAME : S:\Wauk_Co\CO_Gov\100075 Waukesha Bypass Study\Survey\DGN\RW_Plat_sheets\140275_rw_22_rp.dgn PLOT DATE : 3/2/2016 PLOT BY : rkhaytina PLOT NAME : PLOT SCALE : 1:100

USH 18 2788-00-22 4.22

CITY OF WAUKESHA

LOT 1

LOT 1
CSM 8884
DOC. 2522341
VOL. 79 PG. 177-181

LOT 2
CSM 10439
DOC. 3036667
VOL. 99 PG. 206-211

SUMMIT CORPORATE CENTER LLC
TAX KEY: WAKC0988150
DOC. 3964751

SUMMIT CORPORATE CENTER LLC
TAX KEY: WAKC0988149
DOC. 2825080
LOT 1
CSM 10439

HEALTH CARE REIT INC
TAX KEY: WAKC0988151
CSM 10613
DOC. 3609575

BANK MUTUAL
TAX KEY: WAKC0988001
DOC. 3237941

WE ENERGIES
DOC. 33163
NON DESCRIPTIVE EASEMENT

WE ENERGIES
DOC. 3410554

WE ENERGIES
DOC. 3514623
DOC. 3531515

WE ENERGIES GAS OPERATIONS
NO RECORD OF EASEMENT

20' PUBLIC STORM SEWER EASEMENT PER CSM 10439

PUBLIC SIDEWALK EASEMENT PER CSM 10439

PUBLIC SIDEWALK EASEMENT CSM 10439

15' RADIUS SIDEWALK EASEMENT PER CSM*10613

15' RADIUS SIDEWALK EASEMENT PER CSM*8884

PERMANENT EASE. FOR FUTURE SIDE WALK PER CSM 8791

PARCEL 1
CSM 8791
DOC. 2473818
VOL. 78 PG. 159-162

GOOD TIMES DAY CAMP LLC
TAX KEY: WAKC0991001
DOC. 2330488

WE ENERGIES GAS OPERATIONS
NO RECORD OF EASEMENT

LOT 1
CSM 8683
DOC. 2395481
VOL. 77 PG. 9-18

WE ENERGIES ELECTRIC
DOC. 2789882

15' SIDEWALK EASEMENT PER CSM 8683

WATER UTILITY CITY OF WAUKESHA CSM 8857

12' OVERHEAD JOINT EASEMENT
DOC. 3573803

WE ENERGIES UNREADABLE ELECTRIC EASEMENT
DOC. 2182106

MEADOWBROOK MARKETPLACE LLC
TAX KEY: WAKC0990047
DOC. 3968494

WATERMAIN EASEMENT CSM 8857

MEADOWBROOK MARKETPLACE LLC
TAX KEY: WAKC0990048
DOC.3968494

20' FORCEMAIN EASEMENT CSM 8683

FIDDLERS CREEK DR

MERRILL HILLS RD / CTH TT

SUMMIT AVE / USH 18

SEE SHEET 4.22

SEE SHEET 4.24

SEE SHEET 4.26

MATCH LINE STA 47+00

MATCH LINE STA 55+00
SEE SHEET 4.25

CONC. MON. W/BRASS CAP Y 165266.42 X 668086.44

CONC. MON. W/BRASS CAP ABANDONED PER PLAN

CONC. MON. W/BRASS CAP Y 165935.99 X 668742.80

CONC. MON. W/BRASS CAP Y 163664.67 X 668728.11 STA. 270+58.24 OFFSET 24.43'

CONC. MON. W/BRASS CAP Y 163279.20 X 671396.27

CONC. MON. W/BRASS CAP Y 165278.90 X 671411.09

CONC. MON. W/BRASS CAP Y 165266.55 X 668749.35 STA. 270+58.47 OFFSET 45.68'

274+57.99 MERRILL HILLS RD= 50+00.00 FIDDLERS CREEK DR Y=163664.66 X=668708.15

282+47.24 MERRILL HILLS RD= 50+00.00 U.S.H. 18

282+43.30 USH 18 29.77' R/L=S/L

270+57.99 R/L=S/L

PC 50+90.99

PI 51+50.85

PI 51+22.72

PI 52+14.10

PI 52+78.19

PRIVATE DRIVE

TLE FOR SLOPES & DRIVE

PLE FOR DRAINAGE

SLOPE INTERCEPT

TLE FOR SLOPES

COURSE TABLE

POINT No.	BEARING	DISTANCE
714-930	N00°38'29"E	74.48'
930-827*	S84°29'52"E	183.52'
827-715	N86°11'08"W	157.88'
715-714	N29°14'58"W	53.15'
827-830*	S86°12'10"E	47.34'
716-931*	N83°06'31"W	29.47'
931-717	N01°07'07"E	34.35'
717-716	S37°02'22"E	47.45'
791-795*	N80°10'21"W	223.43'
829-828	N85°57'18"W	13.93'
828-827	S04°08'49"E	33.00'

* INDICATES LC AND LCB

STATION & OFFSET TABLE

POINT	STATION	OFFSET
714	281+00.00	100'R
810	281+00.00	120'L
791	281+96.98	100'L
717	283+30.00	96.41'R
716	51+20.00	60'L
715	51+35.00	85'R

C/L CURVE DATA
PRIVATE DR
PI = 51+22.72
Y = 163651.97
X = 668830.21
DELTA= 46°59'07"R
D = 78°29'15"
T = 31.73'
L = 59.86'
R = 73.00'
PC = 50+90.99
Y = 163655.25
X = 668798.65
PT = 51+50.85
Y = 163626.65
X = 668849.35

R/L CURVE DATA
USH 18
PI = 52+78.19
Y = 164378.34
X = 668985.39
DELTA= 17°31'18"L
D = 1°30'00"
T = 588.65'
L = 1168.10'
R = 3819.72'
PC = 46+89.55
Y = 164511.99
X = 668412.11
PT = 58+57.65
Y = 164423.48
X = 669572.30

CURVE 791-795
DELTA= 3°17'46"R
R = 3884.22'
T = 111.76'
L = 223.46'

CURVE 970-932
DELTA= 3°17'08"L
R = 3879.72'
T = 111.27'
L = 222.47'

CURVE 716-931
DELTA= 0°26'57"R
R = 3759.72'
T = 14.74'
L = 29.47'

CURVE 975-716
DELTA= 2°41'47"R
R = 3759.72'
T = 88.49'
L = 176.94'

CURVE 930-827
DELTA= 2°42'38"L
R = 3879.72'
T = 91.78'
L = 183.53'

CURVE 827-830
DELTA= 0°41'57"L
R = 3879.72'
T = 23.67'
L = 47.34'

CURVE 830-977
DELTA= 5°23'44"L
R = 3879.72'
T = 182.81'
L = 365.36'

CURVE 784-790
DELTA= 3°45'27"R
R = 3894.72'
T = 127.76'
L = 255.42'

ROAD NAME	BASIS OF EXISTING R/W	YEAR	WIDTH
MEADOWBROOK RD/CTH TT	STATE PROJECT No. 94-2788(11)	1996	VARIES
MEADOWBROOK RD/CTH TT	CSM 10439	2007	VARIES
MEADOWBROOK RD/CTH TT	CSM 8848	1999	95'
MEADOWBROOK RD/CTH TT	CSM 10613	2008	VARIES
FIDDLERS CREEK DRIVE	CSM 10613	2008	30'
FIDDLERS CREEK DRIVE	CSM 8884	1999	30'
MEADOWBROOK RD/CTH TT	CSM 8791	1999	VARIES

APPROVED FOR DESIGN OF UTILITY ADJUSTMENTS

REVISION DATE: 08/28/2015 03/02/2016	DATE: 05/21/2015	SCALE, FEET 0 50 100	HWY: USH 18	STATE R/W PROJ. #2788-00-22	PLAT SHEET 4.23
			COUNTY: WAUKESHA	CONST. PROJ. #2788-00-71,72 ; 2788-02-70	PS&E SHEET E

PRE_120

FILE NAME : S:\Wauk_Co\CO_Gov\100075 Waukesha Bypass Study\Survey\DGN\RW_Plat_sheets\140275_rw_23_rp.dgn PLOT DATE : 3/2/2016 PLOT BY : rkhaytina PLOT NAME : PLOT SCALE : 1:100

USH 18 2788-00-22 4.23

CITY OF WAUKESHA

LOT 1
CSM 9770
DOC. 3158972
VOL. 90 PG. 204-207

TORHORST RD
(PRIVATE ROAD)

601 WE ELECTRIC EASEMENT
NON DESCRIPTIVE
DOC. 265685

601 15' WE ENERGIES
DOC. 1883672 R1788 10639

NOTED IN WARRANTY DEED
DOC. #1488934, 40'
EASEMENT FOR INGRESS
AND EGRESS VEHICLES

604 20' SANITARY
SEWER EASEMENT
CSM #9398, LOT 1

601 WE ELECTRIC EASEMENT
NON DESCRIPTIVE
DOC. 265685

TARA HILL CONDOMINIUMS

131 WALTERS
TAX KEY: WAKC0988142

604 66' SEWER EASEMENT
CITY OF WAUKESHA
DOC. 3114128

132 SMART REVOCABLE TRUST
TAX KEY: WAKC0985999
DOC.3822690

TARA HILL CONDOMINIUM

TLE FOR SLOPES & PRIVATE ROAD

PLE FOR DRAINAGE

SLOPE INTERCEPTS

606 ATT NO RECORD OF EASEMENT

601 WE ELECTRIC NO RECORD OF EASEMENT

603 WATERMAIN NO RECORD OF EASEMENT

133A

602 DRAINAGE FACILITY EASEMENT TO CITY DOC. 2815513 CSM #9398, LOT 1

133 MCMAHON PETROLEUM LLC
TAX KEY: WAKC0988134
DOC. 2825080

LOT 1
CSM. 9398
DOC. 2815513
VOL. 85 PG. 281-285

10' WATERMAIN CSM 9398, LOT 1

603

604 SAN SEWER EASEMENT
CITY OF WAUKESHA
DOC. 3114129

602 CITY OF WAUKESHA AND CANTERBURY HOMES UTILITY EASEMENT
DOC. 3114129

SUMMIT AVE / USH 18

MEADOWBROOK RD

134 WEST RESERVE AT FIDDLERS CREEK CONDOMINIUM
TAX KEY: 0988078
DOC. 3154049

LOT 4
CSM 9285
DOC. 2553864
VOL. 80 PG. 165-173

TLE FOR SLOPES & DRAINAGE ACCESS EASEMENT CSM NO#8884

602 50' DRAINAGE EASEMENT CITY OF WAUKESHA CSM #8963

602 8' SIDEWALK EASEMENT CITY OF WAUKESHA CSM 10439

127 SUMMIT CORPORATE CENTER LLC
TAX KEY: WAKC0988149
DOC. 3964751

604 20' SANITARY SEWER CITY OF WAUKESHA CSM 10439

136 ARBOR OAKS AT FIDDLERS CREEK CONDOMINIUMS

LOT 2
CSM 8963
DOC. 2553846
VOL. 80 PG. 165-173

LOT 1
CSM 10439
DOC. 3508283
VOL. 99 PG. 206-211

PRIVATE ROAD
(TURNBERRY OAK DR)

CITY OF WAUKESHA

CONC. MON.
W/BRASS CAP
Y 165935.99
X 668742.80

SEE SHEET 4.26

PI 287+96.63

PC 286+20.16

PC 46+89.55

MATCH LINE STA 47+00
SEE SHEET 4.23

SEE SHEET 4.25

SEE SHEET 4.23

282+47.24 MEADOWBROOK=
50+00.00 U.S.H. 18
Y=164453.86
X=668716.99

50+29.77
S/L=R/L

CONC. MON.
W/BRASS CAP
Y 163264.65
X 668749.35

STATION & OFFSET TABLE

POINT	STATION	OFFSET
840	41+80.00	60'L
841	41+80.00	70'L
842	42+30.00	70'L
843	42+30.00	60'L
825	44+89.64	108.74'L
823	45+00.81	60'L
824	45+17.06	96.55'L
797	45+54.45	60'R
795	46+89.55	64.50'R
796	46+18.30	64.50'R

CURVE DATA
PI = 287+96.63
Y = 165003.21
X = 668723.14
DELTA= 2°46'10"L
D = 0°47'06"
T = 176.46'
L = 352.85'
R = 7300.00'
PC = 286+20.16
Y = 164826.76
X = 668721.16
PT = 289+73.02
Y = 165179.55
X = 668716.59

CURVE 971-972
DELTA= 2°14'26"R
R = 3759.72'
T = 73.52'
L = 147.02'

CURVE 972-776
DELTA= 7°32'36"R
R = 40.30'
T = 29.04'
L = 50.32'

CURVE 791-795
DELTA= 3°17'46"R
R = 3884.22'
T = 111.76'
L = 223.46'

CURVE 970-932
DELTA= 3°17'08"L
R = 3879.72'
T = 111.27'
L = 222.47'

R/L CURVE DATA
USH 18
PI = 52+78.19
Y = 164378.34
X = 668985.39
DELTA= 17°31'18"L
D = 1°30'00"
T = 588.65'
L = 1168.10'
R = 3819.72'
PC = 46+89.55
Y = 164511.99
X = 668412.11
PT = 58+57.65
Y = 164423.48
X = 669572.30

COURSE TABLE

POINT No.	BEARING	DISTANCE
794-795	S77°42'49"E	113.53'
795-796	S76°52'35"E	71.22'
796-797	S72°50'47"E	64.03'
970-932	S78°31'09"E	222.44'
840-841	N13°07'25"E	10.00'
841-842	S76°52'35"E	50.00'
842-843	S13°07'25"W	10.00'
843-840	N76°52'35"W	50.00'
776-792	S61°53'57"W	47.12'
1017-825	N37°05'20"E	53.34'
825-824	S52°54'40"E	30.00'
824-823	S37°05'20"W	40.00'
823-1017	N76°52'35"W	32.83'

* INDICATES LC AND LCB

ROAD NAME	BASIS OF EXISTING R/W	YEAR	WIDTH
SUMMIT AVE. / USH 18	STATE PROJECT No. 94-2788 (11)	1995	120'
SUMMIT AVE. / USH 18	CSM #10439	2007	VARIES
SUMMIT AVE. / USH 18	CSM #9398	2001	VARIES

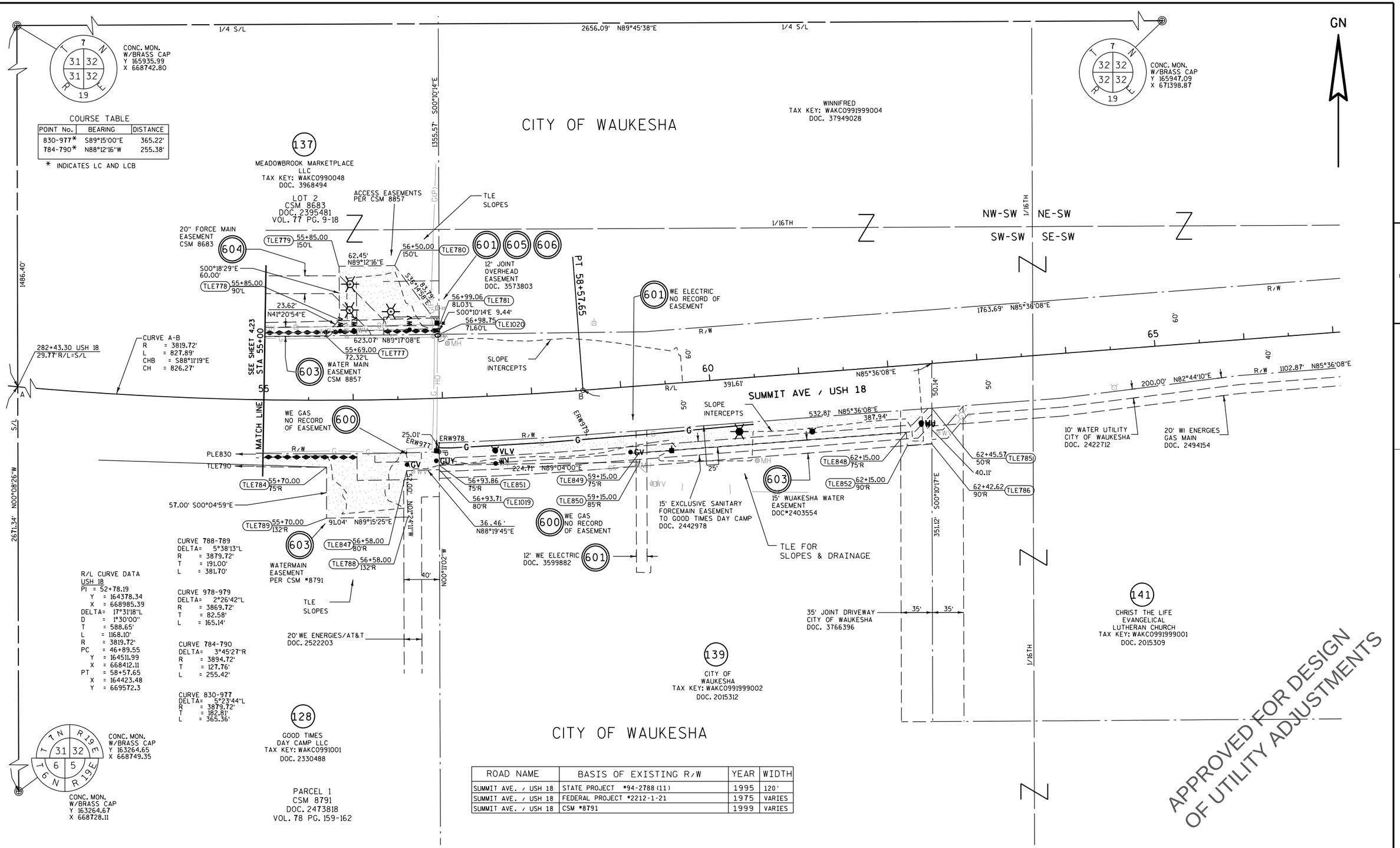
APPROVED FOR DESIGN UTILITY ADJUSTMENTS ONLY

REVISION DATE: 08/28/2015 03/02/2016	DATE: 05/21/2015	SCALE, FEET 0 50 100	HWY: USH 18	STATE R/W PROJ. #2788-00-22	PLAT SHEET 4.24
			COUNTY: WAUKESHA	CONST. PROJ. #2788-00-71,72 ; 2788-02-70	PS&E SHEET E

PRE_121

FILE NAME : S:\Wauk_Co\CO_Gov\100075 Waukesha Bypass Study\Survey\DGN\RW_Plat_sheets\140275_rw_24_rp.dgn PLOT DATE : 3/2/2016 PLOT BY : rkhaytina PLOT NAME : PLOT SCALE : 1:100

USH 18 2788-00-22 4.24



REVISION DATE: 08/28/2015 03/02/2016	DATE: 05/21/2015		HWY: USH 18	STATE R/W PROJ. #2788-00-22	PLAT SHEET 4.25
			COUNTY: WAUKESHA	CONST. PROJ. #2788-00-71,72 ; 2788-02-70	PS&E SHEET E

PRE_122

FILE NAME : S:\Wauk_Co\CO_Gov\100075 Waukesha Bypass Study\Survey\DGN\RW_Plat_sheets\140275_rw_25_rp.dgn PLOT DATE : 3/2/2016 PLOT BY : rkhaytina PLOT NAME : PLOT SCALE : 1:100

USH 18 2788-00-22 4.25

COURSE TABLE		
POINT No.	BEARING	DISTANCE
811-812	S68°58'39"E	80.30'
812-813	N35°18'21"W	20.58'
813-814	N37°05'20"E	9.00'
814-1042	S37°05'20"W	62.84'
1042-1009	S37°05'20"W	77.51'
1009-819	S01°07'07"W	48.51'
819-818	N37°05'20"E	92.06'
818-817	N68°58'27"W	58.06'
817-811	S01°07'07"W	21.26'
814-815	N52°54'40"W	18.51'
815-1041	N37°05'20"E	48.78'
1041-1042	S89°51'34"W	23.24'
1041-816	N37°05'20"E	117.08'
816-1009	S01°11'37"W	31.51'
814-1009	N37°05'20"E	140.35'
817-819	N01°07'07"E	95'
814-1009	S37°05'20"W	140.33

ROAD NAME	BASIS OF EXISTING R/W	YEAR	WIDTH
MEADOWBROOK RD/CTH TT	STATE PROJECT # 94-2788(11)	1996	VARIES
MEADOWBROOK RD/CTH TT	CSM #9398	2001	VARIES
MEADOWBROOK RD/CTH TT	CSM #8683	1998	95'
MEADOWBROOK RD/CTH TT	DEED DOC #2136453	1996	VARIES
MEADOWBROOK RD/CTH TT	DEED DOC #2136454	1996	VARIES

GN

COURSE TABLE		
POINT No.	BEARING	DISTANCE
816-718	S37°05'20"W	34.31'
718-719*	N01°19'58"W	204.34'
719-720	N89°27'26"E	10.00'
720-836*	N00°17'17"E	214.55'
836-721	S01°07'07"W	100.86'
721-936	N89°46'47"E	62.01'
935-934	N88°52'53"W	40.00'
937-722	S89°46'47"W	42.01'
723-938	N89°33'25"E	42.01'

* INDICATES LCH AND LCB

STATION & OFFSET TABLE		
POINT	STATION	OFFSET
718	289+73.69	110'L
719	291+75.00	110'L
720	291+75.00	100'L
836	293+86.66	100'l
721	294+87.52	100'L
722	294+87.05	120'L
723	297+26.14	120'L
724	297+26.28	115'L
811	288+02.00	97.45'L
812	288+32.55	171.94'L
813	288+50.00	183.52'L
814	288+57.24	177.94'L
815	288+69.03	192.46'L
816	289+99.95	88.36'L
817	288+23.54	96.72'L
818	288+45.73	150.53'L
819	289+19.70	92.65'L

CONC. MON. W/BRASS CAP Y 165915.51 X 666089.00

CITY OF WAUKESHA

5' WE ENERGIES AND AT&T EASEMENT DOC. 538018

WE ENERGIES DOC. 265685 BLANKET EASEMENT

WE ENERGIES AND AT&T D 36489 NON DESCRIPTIVE EASEMENT

CURVE 718-719 DELTA= 1°34'48"R R = 7410.00' T = 102.18' L = 204.35'

CURVE 720-836 DELTA= 1°39'41"R R = 7400.00' T = 107.29' L = 214.56'

CURVE 836-610 DELTA= 1°11'25"L R = 7400.00' T = 76.87' L = 153.74'

CURVE 687-688 DELTA= 1°37'39"R R = 7415.00' T = 105.31' L = 210.61'

132 SMART REVOCABLE TRUST TAX KEY: WAKC0988999 DOC.3822690

142 FAITH BAPTIST CHURCH INC TAX KEY: WAKC0988985 DOC. 3490683

133 MCMAHON PETROLEUM LLC TAX KEY: WAKC0988134 DOC. 2825080

LOT 1 CSM. 9398 DOC. 2815513 VOL. 85 PG. 281-285

20' SANITARY SEWER EASEMENT CITY OF WAUKESHA CSM 9398

MILWAUKEE ELEC RAILWAY AND LIGHT CO. (1922) DOC. 123791 NON DESCRIPTIVE EASEMENT

TLE FOR DRAINAGE

TLE FOR SLOPES

TLE FOR SLOPES & DRAINAGE

SLOPE INTERCEPTS

SEE SHEET 4.23

SEE SHEET 4.27

MEADOWBROOK RD / CTH TT

PC 286+20.16

PRC 289+73.02

PI 287+96.63

PI 291+79.89

PT 293+86.66

283+39.61 R/L = 1/16TH LINE

297+29.41 R/L=1/4 S/L

10' WIDE WE ENERGIES EASEMENT DOC. 2789882

12' OVERHEAD JOINT EASEMENT DOC. 3573803

30' WE ENERGIES DOC. 2789882

129 MEADOWBROOK MARKETPLACE LLC TAX KEY: WAKC0990047 DOC. 3968494

LOT 1 CSM 8683 DOC. 2395481 VOL. 77 PG. 9-18

137 MEADOWBROOK MARKETPLACE LLC. TAX KEY: WAKC0990048 3968494

LOT 2 CSM. 8683 DOC. 2395481 VOL. 77 PG. 9-18

WE ENERGIES UNREADABLE EASEMENT DOC. 2182106

602 CITY OF WAUKESHA STORM SEWER

WE ENERGIES EASEMENT DOC. 2789882

TLE SLOPES & ACCESS

40' ACCESS EASEMENTS PER CSM 8857

30' SAN SEWER EASEMENT CSM 8683

143 MEADOWBROOK MARKETPLACE LLC TAX KEY: WAKC0990047 DOC. 3968494

LOT 5 CSM 8857 V79 P66-73 DOC. 2509470

WE ENERGIES UNREADABLE EASEMENT DOC. 2182106

LOT 6 CSM 8857 DOC. 2509470 VOL. 79 PG. 66-73

15' UTILIY EASE. PER ROLLING RIDGE ADD. NO.8

CONC. MON. W/BRASS CAP Y 163264.65 X 668749.35

CONC. MON. W/BRASS CAP Y 165935.99 X 668742.80 STA. 297+30.04 OFFSET 23.16'

CONC. MON. W/BRASS CAP Y 165947.09 X 671398.87

R/L CURVE DATA CTH TT	
PI	= 287+96.63
Y	= 165003.21
X	= 668723.14
DELTA	= 2°46'10"L
D	= 0°47'06"
T	= 176.46'
L	= 352.85'
R	= 7300.00'
PC	= 286+20.16
Y	= 164826.76
X	= 668721.16
PT	= 289+73.02
Y	= 165179.55
X	= 668716.59

R/L CURVE DATA CTH TT	
PI	= 291+79.89
Y	= 165386.28
X	= 668708.91
DELTA	= 3°14'48"R
D	= 0°47'06"
T	= 206.88'
L	= 413.64'
R	= 7300.00'
PC	= 289+73.02
Y	= 165179.55
X	= 668716.59
PT	= 293+86.66
Y	= 165593.12
X	= 668712.94

APPROVED FOR DESIGN OF UTILITY ADJUSTMENTS

CITY OF WAUKESHA

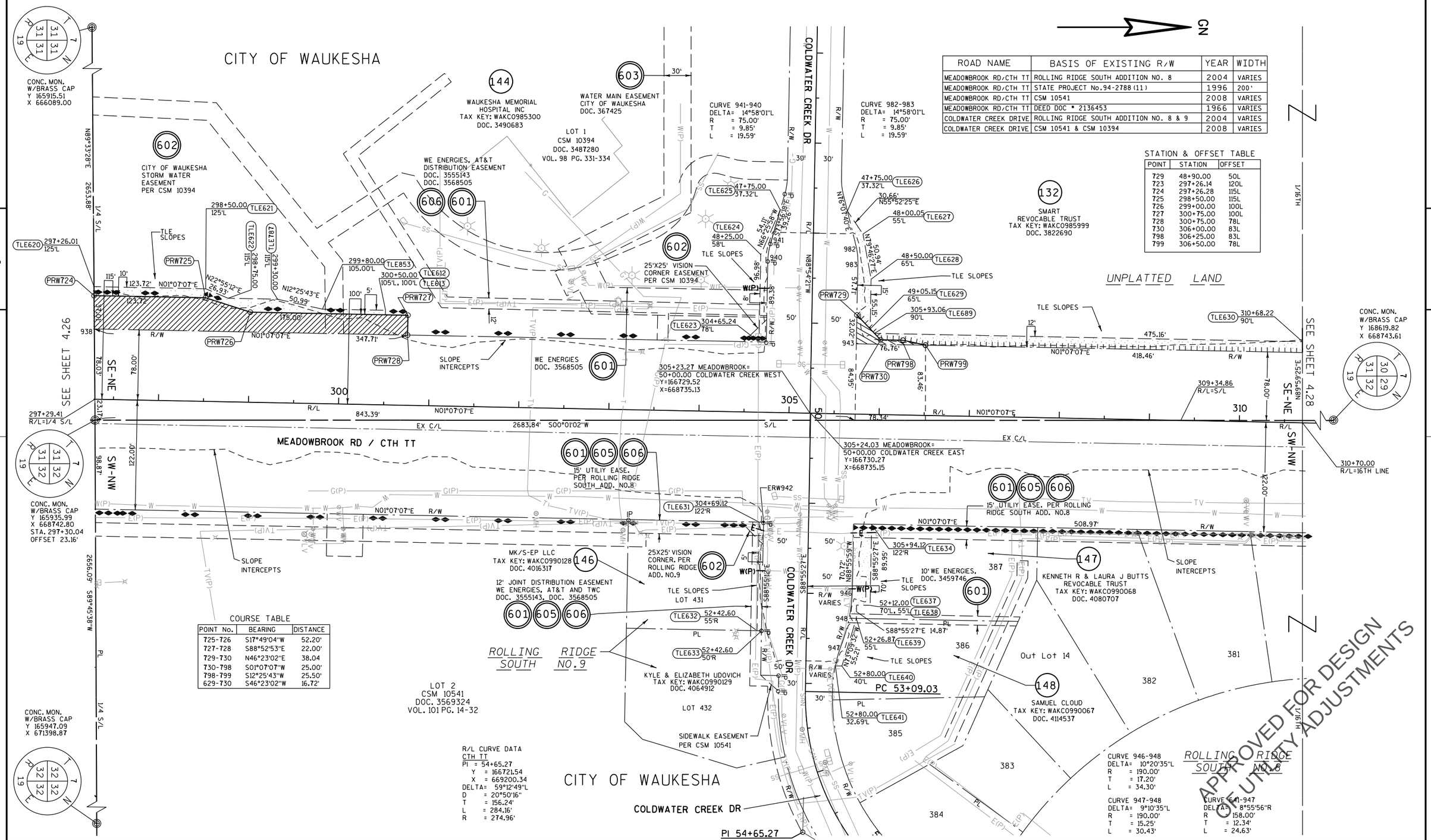
REVISION DATE: 08/28/2015 NC 03/02/2016	DATE: 05/21/2015	SCALE, FEET 0 50 100	HWY: USH 18	STATE R/W PROJ. #2788-00-22	PLAT SHEET 4.26
			COUNTY: WAUKESHA	CONST. PROJ. #2788-00-71,72 ; 2788-02-70	PS&E SHEET E

PRE_123

FILE NAME : S:\Wauk_Co\CO_Gov\100075 Waukesha Bypass Study\Survey\DGN\RW_Plat_sheets\140275_rw_26_rp.dgn PLOT DATE : 3/2/2016 PLOT BY : rkhaytina PLOT NAME : PLOT SCALE : 1:100

USH 18 2788-00-22 4.26

4



REVISION DATE: 08/28/2015 NC 03/02/2016	DATE: 05/21/2015	SCALE. FEET 0 50 100	HWY: USH 18	STATE R/W PROJ. #2788-00-22	PLAT SHEET 4.27
			COUNTY: WAUKESHA	CONST. PROJ. #2788-00-71,72 ; 2788-02-70	PS&E SHEET E

PRE_124

FILE NAME : S:\Wauk_Co\CO_Gov\100075 Waukesha Bypass Study\Survey\DGN\RW_Plat_sheets\140275_rw_27_rp.dgn PLOT DATE : 3/2/2016 PLOT BY : rkhaytina PLOT NAME : PLOT SCALE : 1:100

USH 18 2788-00-22 4.27

ROAD NAME	BASIS OF EXISTING R/W	YEAR	WIDTH
MEADOWBROOK RD/CTH TT	ROLLING RIDGE SOUTH ADDITION NO. 7 & 8	2004	VARIES
MEADOWBROOK RD/CTH TT	STATE PROJECT No.94-2788(11)	1996	200'
MEADOWBROOK RD/CTH TT	DEED DOC # 2136453	1996	VARIES

COURSE TABLE

POINT No.	BEARING	DISTANCE
739-740	N88°52'53"W	10.00'
741-742	S88°52'53"E	15.00'
742-1022	N01°07'07"E	37.28'

STATION & OFFSET TABLE
PROPOSED ROW POINTS

POINT	STATION	OFFSET
731	310+67.93	105'L
732	311+50.00	105'L
733	314+50.00	145'L
734	316+55.00	145'L
735	319+50.00	90'L
738	320+50.00	90'L
739	322+80.00	115'L
740	322+80.00	125'L
741	323+75.00	125'L
742	323+75.00	110'L
950	323+82.67	122'R
1022	324+12.29	110'L

CITY OF WAUKESHA

132
SMART
REVOCABLE TRUST
TAX KEY: WAKC0985999
DOC.3822690

CONC. MON.
W/BRASS CAP
Y 168635.87
X 666098.40

S/L PL CITY OF PEWAUKEE
S/L PL CITY OF WAUKESHA S89°39'03"E 2645.26'

SEE SHEET 4.27

SEE SHEET 4.29

4

4

1/16TH N89°59'25"E 2710.11'

PRW731 PRW732 PRW733 TLE783 314+50.00 150'L TLE854 316+55.00 150'L PRW734 PRW735 PRW738 PRW739 PRW740 PRW741 PRW742 PRW1022

82.07' 105' 302.65' N06°28'34"W 145' 205.00' 300.08' N11°40'47"E 90' 100.00' 231.35' N05°05'05"W 95.00' 125'

944 1344.25' N01°07'07"E 1311.13' S89°58'58"E

TLE SLOPES

SLOPE INTERCEPTS

310+69.95
2.60'L

CONC. MON.
W/BRASS CAP
Y 165935.99
X 668742.80

NE-NE NW-NW

78.00' 22.00' 2.72'

S/L R/L N01°07'07"E 315 756.00' 2683.84' S00°01'02"W 320 N01°07'07"E

MEADOWBROOK RD / CTH TT

EX C/L

310+70.00
R/L=1/16TH

324+13.79
R/L=S/L

CONC. MON.
W/BRASS CAP
Y 168619.82
X 668743.61
STA. 324+13.38
OFFSET 28.42'L

122.00' 150.44' 113.42'

15' UTILIY EASEMENT PER ROLLING RIDGE SOUTH ADD. NO.7

CITY OF WAUKESHA DPW 20' SAN SEWER EASEMENT PER ROLLING RIDGE PLAT ADD.7

R/W NO1°07'07"E

380 379 378 377 376 375 374 373 372 371 370 369 368

154
GM DEVELOPMENT LLC
TAX KEY: WAKC0979305
DOC. 3947966

LOT 291

S13°55'42"W 416.47'

PRW747

S88°52'53"E 745.95'

ROLLING RIDGE SOUTH NO.8

ROLLING RIDGE SOUTH NO.7

CITY OF WAUKESHA

1/16TH N89°59'25"E 5303.49'

CONC. MON.
W/BRASS CAP
Y 168606.08
X 671395.53

APPROVED FOR DESIGN OF UTILITY ADJUSTMENTS

REVISION DATE: 08/28/2015 NC 03/02/2016	DATE: 05/21/2015	SCALE, FEET 0 50 100	HWY: USH 18	STATE R/W PROJ. #2788-00-22	PLAT SHEET 4.28	
			COUNTY: WAUKESHA	CONST. PROJ. #2788-00-71,72 ; 2788-02-70	PS&E SHEET	E

PRE_125

FILE NAME : S:\Wauk_Co\CO_Gov\100075 Waukesha Bypass Study\Survey\DGN\RW_Plat_sheets\140275_rw_28_rp.dgn PLOT DATE : 3/2/2016 PLOT BY : rkhaytina PLOT NAME : PLOT SCALE : 1:100

USH 18 2788-00-22 4.28

CITY OF PEWAUKEE

ARROWHEAD TRAILS SUBDIVISION

PARCEL A CSM 3123
V23 P186-188
DOC. 1024041

149 JOHN & PATRICIA DURHAM
TAX KEY: PWC 0984999001
DOC. 3117200

151 MICHAEL W & LOU ANN NEWMAN
TAX KEY: PWC 0984012
DOC. 795972

152 DEBRA E BAKER
TAX KEY: PWC 0984011
DOC. 39552000

153 RANDAL & LORA JENDRUSIAK
TAX KEY: PWC 0984010
DOC. 2699277

SMOLINSKI
TAX KEY: PWC 0984007

CHEESMAN
TAX KEY: PWC 0984008

KUSCH
TAX KEY: PWC 0984009

CITY OF PEWAUKEE
CITY OF WAUKESHA S/L

BLK 2

CONC. MON.
W/BRASS CAP
Y 168635.87
X 666098.40

STA. 324+13.38
OFFSET 28.42'L
CONC. MON.
W/BRASS CAP
Y 168619.82
X 668743.61

CONC. MON.
W/BRASS CAP
Y 168606.08
X 671395.53

CONC. MON.
W/BRASS CAP
Y 171291.29
X 668756.57

SEE SHEET 4.28

SEE SHEET 4.30

4

4

PRW1022 PRW743 PRW744 PRW745 PRW746 PRW747 PRW748 PRW750 PRW751 PRW752 PRW753 PRW855 PRW871 PRW872 PRW873 PRW874 PRW865 PRW950

TLE644 326+87.70 98'L
TLE645 327+50.00 55'L
TLE646 328+45.00 90'L,84.76
TLE647 329+40.47 86.15'L
TLE648 329+40.60 100.00'L
TLE649 331+50.00 100'L,89.24'L
TLE650 328+64.29 127'R
TLE651 329+24.68 127'R
TLE652 333+59.00 118.66'
TLE831 324+50.00 115'L, 110'L
TLE832 326+00.00 115'L, 110'L
TLE833 331+50.00 10.76

PLE821 PLE822 PLE1028 PLE FOR DRAINAGE

PC 333+42.79

PI 336+25.76

607 DRAINAGE EASEMENT PER ARROWHEAD TRAILS SUBDIVISION

607 CITY OF PEWAUKEE DRAINAGE DITCH EASEMENT DOC. 899815

607 DRAINAGE DITCH EASEMENT TOWN. DOC. 899815

607 N LINE OF DRAINAGE EASEMENT DOC. 899815

607 15' UTILIY EASEMENT PER CSM 10795

601 605 606 15' UTILIY EASEMENT WE ENERGIES, TWC, AT&T PER CSM 10795

604 CITY OF WAUKESHA SANITARY SEWER CSM 10795

150 GOLEMGESKE
RESERVED BY ARROWHEAD TRAILS SUBDIVISION

154 GM DEVELOPMENT LLC
TAX KEY: WAKC0979305

LOT 2
CSM 10795
DOC. 3763368
VOL. 104 PG. 241-251

TURNBERRY RESERVE CONDOMINIUM

MEADOWBROOK RD / CTH TT

CITY OF WAUKESHA

S79°08'44"W 20'

N88°21'16"W

N70°28'07"W

S59°04'42"W

N79°08'44"E

S88°52'53"E 5.20'

N88°52'53"W 10.76

S00°16'40"W 1071.82'

N01°07'07"E 1023'

N01°07'07"E 2671.49'

S00°16'40"W 2613.67'

S89°39'09"E 2645.28'

S89°42'11"E 2651.95'

N03°52'32"E 62.37'

N04°07'53"E 95.13'

N01°07'07"E 209.40'

S00°16'40"W 312.09'

N00°16'40"E 269.82'

S01°07'07"W 32.87'

S19°26'15"E 85.44'

S76°21'08"E 184.39'

S80°47'18"E 202.01'

S13°39'42"W 416.47'

S27°59'08"E 32.22'

S06°51'04"E 201.95'

S10°39'03"E 51.83'

S02°37'12"E 307.38'

N76°45'02"E

S00°16'40"W 240.00'

S00°45'46"E 748.86'

S01°31'19" E 465.91'

N01°47'59"W 330.78'

N00°01'01"E 434.66'

N00°03'27"E 418.18'

N16°02'25"E 17.04'

S16°02'25"W 60.26'

CURVE 952-871
DELTA= 2°04'26"L
R = 11554.16'
T = 209.12'
L = 418.20'

CURVE 871-953
DELTA= 1°38'25"L
R = 11554.16'
T = 165.41'
L = 330.79'

CURVE 652-651
DELTA= 2°09'17"R
R = 11559.16'
T = 217.37'
L = 434.68'

CURVE 873-874
DELTA= 3°35'54"R
R = 7420.00'
T = 233.07'
L = 465.99'

R/L CURVE DATA
CTH TT
PI = 336+25.76
Y = 169831.42
X = 668795.70
DELTA= 4°26'23"L
D = 0°47'08"
T = 282.97'
L = 565.66'
R = 7300.00'
PC = 333+42.79
Y = 169548.60
X = 668790.18
PT = 339+08.45
Y = 170113.91
X = 668779.3

STATION & OFFSET TABLE

POINT	STATION	OFFSET
950	323+82.67	122'R
1022	324+12.29	-110'L
747	325+22.96	577.35'R
748	325+51.56	560'R
751	325+80.00	360'R
743	326+00.00	110'L
752	326+20.00	180'R
744	326+25.00	98'L
745	326+72.72	98'L
746	326+82.50	82.38'L
753	327+00.00	150'R
855	329+00.00	122'R
821	331+75.00	109.68'L
820	331+75.00	89.60'L
822	332+00.29	109.68'L
1028	332+04.45	90.04'L
871	333+42.79	114.26'R
872	334+00.00	130'R
873	334+50.00	120'R
865	337+61.67	86.27'L

COURSE TABLE

POINT No.	BEARING	DISTANCE
743-744	N26°45'35"E	27.73'
744-745	N01°07'07"E	47.72'
745-746	N59°04'42"E	18.43'
1023-746	S59°04'42"W	58.45'
746-865	N00°16'40"E	1074.11'
865-1024	S79°20'45"E	50.83'
1024-1023	S00°16'40"W	1034.67'
820-821	S88°52'53"W	20.07'
821-822	N01°07'07"E	25.29'
822-1028	N79°08'44"E	20.08'
1028-820	S00°16'40"W	29.46'
647-833	S00°16'14"E	209.55'

COURSE TABLE

POINT No.	BEARING	DISTANCE
650-855	N06°51'04"W	36.06'
952-871*	N00°03'27"E	418.18'
871-652	N16°02'25"E	17.04'
651-652*	N00°01'01"E	434.66'
953-952*	S00°45'46"E	748.86'
871-953*	N01°47'59"W	330.78'
874-873*	S01°31'19" E	465.91'

* INDICATES LCH AND LCB

ROAD NAME	BASIS OF EXISTING R/W	YEAR	WIDTH
MEADOWBROOK RD/CTH TT	CSM #10795	2010	VARIES
MEADOWBROOK RD/CTH TT	STATE PROJECT No.94-2788(11)	1996	VARIES
MEADOWBROOK RD/CTH TT	CSM 3123	1977	50'

APPROVED FOR DEPARTMENTS OF UTILITY ADJUSTMENTS

REVISION DATE: 08/28/2015 03/02/2016	DATE: 05/21/2015	SCALE, FEET 0 50 100	HWY: USH 18	STATE R/W PROJ. #2788-00-22	PLAT SHEET 4.29
			COUNTY: WAUKESHA	CONST. PROJ. #2788-00-71,72 ; 2788-02-70	PS&E SHEET E

PRE_126

FILE NAME : S:\Wauk_Co\CO_Gov\100075 Waukesha Bypass Study\Survey\DGN\RW_Plat_sheets\140275_rw_29_rp.dgn PLOT DATE : 3/2/2016 PLOT BY : rkhaytina PLOT NAME : PLOT SCALE : 1:100

USH 18 2788-00-22 4.29

GN

MEADOW BROOK HEIGHTS SOUTH

CONC. MON. W/BRASS CAP Y 171291.29 X 668756.57

T 7 N — R 19 E — 30 29 / 30 29

601 605 606 WE ENERGIES, TWC, AT&T PER CSM 10795

END RELOCATION ORDER
STA 345+31.00
X=668743.24
Y=170735.42

CITY OF WAUKESHA
CITY OF PEWAUKEE

CITY OF PEWAUKEE

LOT 3 CSM 1024

LOT 2 CSM 1024

TAX KEY: PWC 0984993

156 MESSNER TAX KEY: PWC 0984992

157 SENNOTT TAX KEY: PWC 0984994 DOC. 1626721

158 BRUCHERT TAX KEY: PWC 0984998

159 POWELEIT TAX KEY: PWC 0984997 DOC. 4180618

161 MAJESKIE FAMILY IRREVOCABLE TRUST, VENDOR TAX KEY: PWC 0984996

LOT 1 CSM 1024 V6 P352-353 DOC. 738289

AT&T NO RECORD OF EASEMENT 606

601 WE ENERGIES DOC. 245144

601 WE ENERGIES DOC. 444337

601 WE ENERGIES DOC. 225692

601 WE ENERGIES DOC. 225695

601 606 WE ENERGIES, AT&T DOC. 497923

TLE679 345+31.33 64.25'R — TLE678 345+30.64 75'R — 10.75'

PC 345+26.92

S89°43'20"E

162 TAX KEY: WAKC0979996001 CITY OF WAUKESHA LOT 1 CSM 361 DOC. 651418 VOL. 2 PG. 244-245

606 22' AT&T EASEMENT DOC. 2438259 VOL. 2 PG. 244-245

TLE677 344+50.00 75'R

FIRE STATION EASEMENT TOWER SITE AS SHOWN ON PLAT OF SURVEY(1983) NOT REFERENCED IN TITLE

606 12' AT&T EASEMENT DOC. 2236561

605 TWC NO RECORD OF EASEMENT

TLE600 342+50.00 96'R

TLE SLOPES

TLE DRIVE & SLOPES

TLE673 52+60.00 165'L

TLE674 52+20.00 150'L

TLE676 50+90.80 79.85'L

TLE675 52+35.00 85'L

TLE672 53+10.00 75'L

TLE671 54+50.00 60'L

TLE670 55+00.00 50'L

TLE659 55+25.00 50'R

TLE669 343+17.50 95.00'

TLE642 342+25.00 80'L

TLE668 341+75.00 80'L

TLE662 46+92.24 50'L

TLE663 46+92.26 45'L

TLE661 TLE660 46+70.00 50'L, 40'L

TLE667 48+78.13 55.90'L

TLE665 48+25.00 50'L, 45'L

TLE666 48+65.00 50'L

TLE664 14.40'

TLE864 46+30.00 50', 35.50'

TLE863

TLE861 46+64.98 50'R, 40'R

TLE862

TLE860 46+94.79 40'R

TLE859 46+94.88 50'R

TLE858 47+75.00 50'R

TLE857 47+75.00 65'R

TLE856 48+45.03 65'R

TLE FOR SLOPES & DRIVES

PRW754 PRW755 PRW764 PRW763 PRW762 PRW760 PRW761 PRW757 PRW756 PRW875 PRW874 PRW865 PRW873

ERW956 ERW957 ERW1024 ERW953

PC 50+99.43

PI 55+06.01

NORTHVIEW RD

602 25' RADIUS SIDEWALK EASE. PER CSM 10795

PT 339+08.45

CTH TT

MEADOWBROOK RD

R/W VARIES

154 GM DEVELOPMENT LLC TAX KEY: WAKC0979305

600 601 605 606 15' UTILIY EASEMENT PER ROLLING RIDGE SOUTH ADDITION NO. 7

LOT 2 CSM 10795 DOC. 3763368 VOL. 104 PG. 241-251

CITY OF WAUKESHA

601 WE ENERGIES ROW INCREASED DOC. 246583.

601 12' WE ENERGIES DOC. 1589977

163 CITY OF WAUKESHA TAX KEY: WAKC0979998004

605 TWC NO RECORD OF EASEMENT

ROAD NAME	BASIS OF EXISTING R/W	YEAR	WIDTH
MEADOWBROOK RD/CTH TT	MEADOWBROOK HEIGHTS SOUTH (SUBDIVISION)	1997	VARIES
MEADOWBROOK RD/CTH TT	CSM #1024	1969	VARIES
MEADOWBROOK RD/CTH TT	COUNTY PROJECT 94-2788(11)	1996	VARIES
MEADOWBROOK RD/CTH TT	CSM #10795	2010	VARIES
NORTHVIEW RD.	STATE PROJECT #2717-01-70	1988	100'
NORTHVIEW RD.	CSM #1024	1969	40'

STATION & OFFSET TABLE

POINT	STATION	OFFSET
874	339+08.45	120'R
875	339+68.15	120'R
754	43+94.41	30'R
755	43+94.43	35.50'R
756	48+44.75	35.50'R
757	48+44.70	30'R
760	48+46.70	40'L
761	48+87.23	57.60'L
762	341+50.33	80.44'L
763	342+31.74	68.50'L
764	343+15.34	68.50'L
865	337+61.67	86.27'L

COURSE TABLE

POINT No.	BEARING	DISTANCE
755-754	N10°14'14"E	5.50'
1032-1031	S09°56'44"W	5.50'
1030-1029	S09°56'40"W	5.50'
757-756	S09°56'40"W	5.50'
760-761	N77°01'02"E	44.19'
761-762	N40°42'02"E	22.04'
762-763	N05°01'23"E	82.28'
763-764	N03°19'16"W	83.60'
657-656	S58°20'05"W	18.46'
954-875*	S77°28'36"E	16.06'
874-873*	S01°31'19"E	465.91'
656-875	S03°19'16"E	34.50'
875-659*	S69°22'23"E	371.75'

* INDICATES LCH AND LCB

CURVE 670-955
DELTA= 6°41'56"L
R = 1475.00'
T = 86.33'
L = 172.46'

CURVE 955-956
DELTA= 9°32'26"L
R = 1475.00'
T = 123.09'
L = 245.61'

CURVE 954-875
DELTA= 0°40'09"R
R = 1375.00'
T = 8.03'
L = 16.06'

CURVE 874-873
DELTA= 3°35'54"R
R = 7420.00'
T = 233.07'
L = 465.99'

CURVE 875-659
DELTA= 15°32'18"R
R = 1375.00'
T = 187.60'
L = 372.89'

R/L CURVE DATA
CTH TT
PI = 336+25.76
Y = 169831.42
X = 668795.70
DELTA= 4°26'23"L
D = 0°47'06"
T = 282.97'
L = 565.66'
R = 7300.00'
PC = 333+42.79
Y = 169548.50
X = 668790.18
PT = 339+08.45
Y = 170113.91
X = 668779.3

R/L CURVE DATA
NORTHVIEW RD
PI = 55+06.01
Y = 170157.82
X = 669267.24
DELTA= 31°50'56"R
D = 4°01'15"
T = 406.58'
L = 792.11'
R = 1425.00'

NE-SE NW-SW SE-SW SW-SW

CONC. MON. W/BRASS CAP Y 168619.82 X 668743.61

T 7 N — R 19 E — 30 29 / 31 32

SEE SHEET 4.29

APPROVED FOR DESIGN OF UTILITY ADJUSTMENTS

REVISION DATE: 08/28/2015 03/02/2016	DATE: 05/21/2015	SCALE, FEET 0 50 100	HWY: USH 18	STATE R/W PROJ. #2788-00-22	PLAT SHEET 4.30
			COUNTY: WAUKESHA	CONST. PROJ. #2788-00-71,72 ; 2788-02-70	PS&E SHEET E

PRE_127

FILE NAME : S:\Wauk_Co\CO_Gov\100075 Waukesha Bypass Study\Survey\DGN\RW_Plat_sheets\140275_rw_30_rp.dgn PLOT DATE : 3/2/2016 PLOT BY : rkhaytina PLOT NAME : PLOT SCALE : 1:100

USH 18 2788-00-22 4.30

WETLAND BOUNDARY (TYP.)

EXISTING R/W

EXISTING R/W

FUTURE PATH GRADING (TYP.)

98

99

100

101

102

103

N 48°15'24" W

STH 59/LES PAUL PKWY

R/L WAUKESHA BYPASS

MATCHLINE 104+00

BEGIN PROJECT 2788-00-71
STA 100+36.99
X=672902.16
Y=149229.18

FUTURE PATH GRADING (TYP.)

EXISTING R/W

SLOPE INTERCEPT (TYP.)

APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PLAN: WAUKESHA BYPASS	SHEET	E

PRE_128

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_050101_pp.dgn PLOT DATE : 4/11/2016 10:25:49 AM PLOT BY : dbaumann PLOT NAME : PLOT SCALE : 40:1

WISDOT/CADDS SHEET 44

826
824
822
820
818
816
814
812
810
808
806
804
802
800
798
796
794
792

5

VCL = 338'
K = 97

PROPOSED PROFILE AT NB PGL

VPRC STA 103+75.00
VPRC ELEV 810.25

VCL = 840'
K = 138

BEGIN PROJECT 2288-00-71
STA. 100+36.99
X = 672902.163
Y = 149229.177

VPI STA 100+36.99
VPI EL 801.63

EXISTING PROFILE AT R/L

VPI STA 102+06.00
VPI EL 802.99

0.30%

VPC STA 100+37.00
VPC EL 801.63

2.14%
1.98%
2.04%
2.06%
2.04%
2.07%

SPECIAL DITCH RT

VPI STA 100+36.00
VPI EL 797.32

EXISTING ELEVATION AT R/L
PROPOSED ELEVATION AT NB PGL

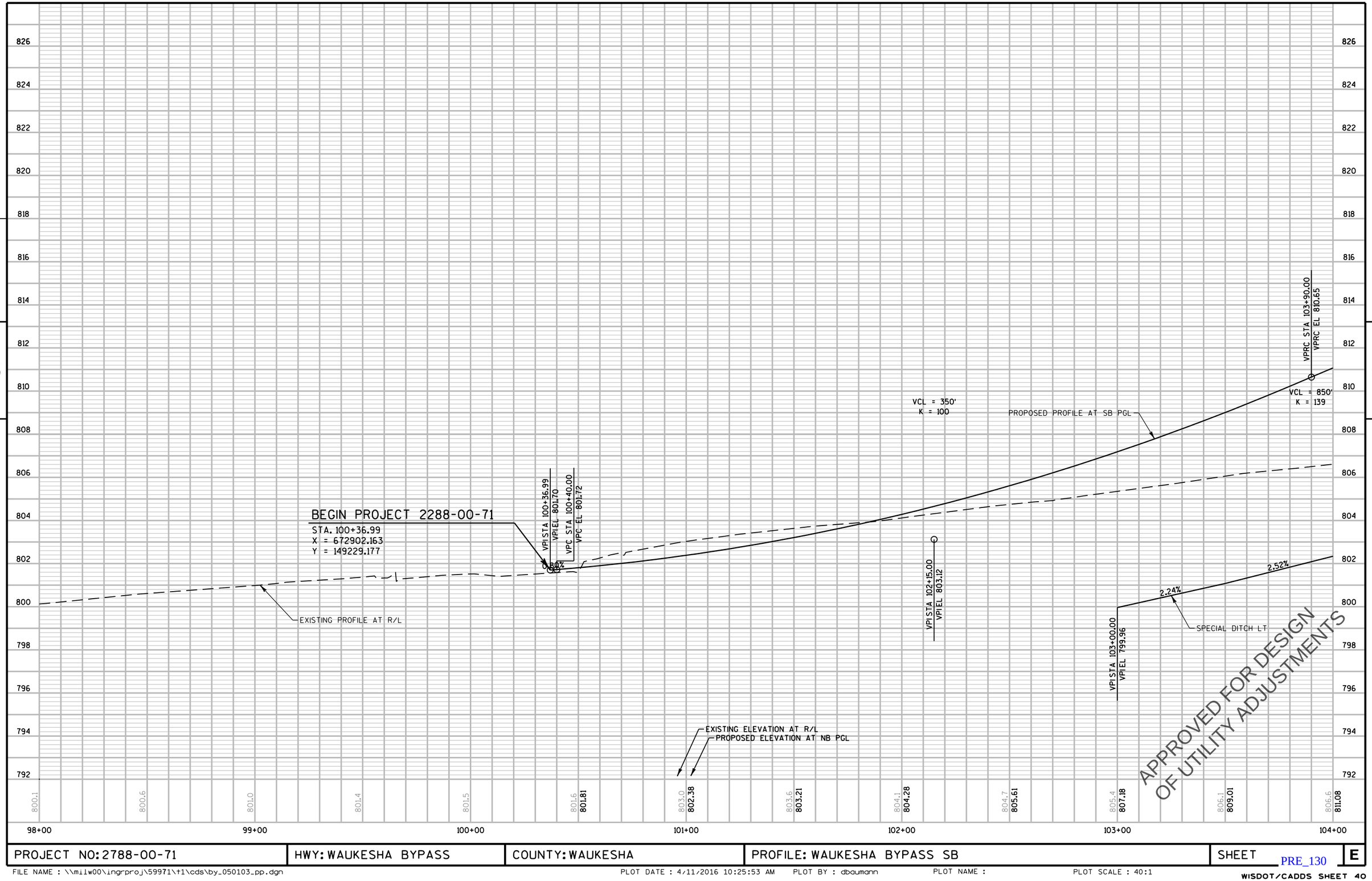
800.1
800.6
801.0
801.4
801.5
801.6 801.74
803.0 802.34
803.6 803.20
804.1 804.31
804.7 805.69
805.4 807.32
806.1 809.21
806.6 811.31

98+00
99+00
100+00
101+00
102+00
103+00
104+00

APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PROFILE: WAUKESHA BYPASS NB	SHEET E

PRE_129



PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PROFILE: WAUKESHA BYPASS SB	SHEET E

PRE_130

EXISTING R/W

FUTURE PATH GRADING (TYP.)

STH 59/LES PAUL PKWY

N 57°26'20" W

MATCHLINE 104+00

MATCHLINE 110+00

104

105

106

107

108

109

R/L WAUKESHA BYPASS

FUTURE PATH GRADING (TYP.)

SLOPE INTERCEPT (TYP.)

EXISTING R/W

TLE

APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS

5

5

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PLAN: WAUKESHA BYPASS	SHEET	E

PRE_131

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_050104_pp.dgn PLOT DATE : 4/11/2016 10:25:55 AM PLOT BY : dbaumann PLOT NAME : PLOT SCALE : 40:1

WISDOT/CADDS SHEET 44

VPI STA 107+95.00
VPI EL 828.31

PROPOSED PROFILE AT NB PGL

VCL = 840'
K = 138

SPECIAL DITCH RT

EXISTING PROFILE AT R/L

EXISTING ELEVATION AT R/L
PROPOSED ELEVATION AT NB PGL

3.91%
3.90%
3.92%
1.50%
1.08%
1.98%
2.00%
1.86%
2.00%

806.6	806.9	808.1	808.7	809.8	811.1	811.0	811.5	813.6	815.3	816.8	817.9	818.1
811.31	813.28	815.06	816.67	818.09	819.33	820.39	821.27	821.97	822.49	822.82	822.97	822.95

104+00 105+00 106+00 107+00 108+00 109+00 110+00

APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PROFILE: WAUKESHA BYPASS NB	SHEET E

PRE_132

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_050105_pp.dgn PLOT DATE : 4/11/2016 10:25:58 AM PLOT BY : dbaumann PLOT NAME : PLOT SCALE : 40:1

WISDOT/CADDS SHEET 40

VPI STA 108+15.00
VPI EL 828.92

PROPOSED PROFILE AT SB PGL

VCL = 850'
K = 139

EXISTING PROFILE AT R/L

SPECIAL DITCH LT

2.50% 2.27% 1.74% 1.32% 0.92% 0.52% 2.70% 4.68% 4.30% 3.94% 3.60% 3.22% 2.86%

EXISTING ELEVATION AT R/L
PROPOSED ELEVATION AT NB PGL

806.6	806.9	808.1	808.7	809.8	811.1	811.0	811.5	813.6	815.3	816.8	817.9	818.1
811.08	813.10	814.94	816.61	818.10	819.40	820.53	821.48	822.25	822.84	823.25	823.48	823.53

104+00 105+00 106+00 107+00 108+00 109+00 110+00

802 804 806 808 810 812 814 816 818 820 822 824 826 828 830 832 834 836

APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PROFILE: WAUKESHA BYPASS SB	SHEET E

PRE_133

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_050106_pp.dgn PLOT DATE : 4/11/2016 10:25:59 AM PLOT BY : dbaumann PLOT NAME : PLOT SCALE : 40:1

WISDOT/CADDS SHEET 40

5

5

STA 110+51.33, 276.0'LT R/L WAUKESHA BYPASS =
STA 47+94.60, 292.0'RT R/L GENESEE ROAD
R=213'

R/L WAUKESHA BYPASS

FUTURE PATH
GRADING (TYP.)

STH 59/CTH X
GENESEE RD

STA 114+16.98, 128.2'LT R/L WAUKESHA BYPASS =
STA 48+44.52, 98.0 LT R/L GENESEE ROAD
R=50'

MERLYN W MINSTER

TLE

PROPOSED R/W

SLOPE INTERCEPT (TYP.)

STA 115+03.92
364.0'LT
R=298'

WETLAND BOUNDARY (TYP.)

MATCHLINE 110+00

MATCHLINE 116+00

WAUKESHA BYPASS

STH 59/LES PAUL PKWY

STA 110+50.46
380.0'RT
R=298'

FUTURE PATH
GRADING (TYP.)

STA 111+40.69, 150.2'RT R/L WAUKESHA BYPASS =
STA 51+67.37, 123.3'RT R/L GENESEE
R=55'

R/L GENESEE ROAD

STH 59/CTH X
GENESEE RD

STA 113+96.84
130.0'RT
R=55'

PROPOSED R/W

STA 116+07.44, 264.3'RT R/L WAUKESHA BYPASS =
STA 52+31.86, 353.0'LT R/L GENESEE ROAD
R=300'

APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PLAN: WAUKESHA BYPASS	SHEET E

PRE_134

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_050107_pp.dgn PLOT DATE : 4/11/2016 10:26:02 AM PLOT BY : dbaumann PLOT NAME : PLOT SCALE : 40:1

WISDOT/CADDS SHEET 44

836
834
832
830
828
826
824
822
820
818
816
814
812
810
808
806
804
802

5

VPT STA 112+15.00
VPT EL 820.75

VPC STA 113+05.00
VPC EL 819.13

VCL = 840'
K = 138

-0.48%

-0.72%

-1.80%

VCL = 570'
K = 97

PROPOSED PROFILE AT NB PGL

SPECIAL DITCH RT

VPT STA 111+00.00
VPT EL 817.80

EXISTING PROFILE AT R/L

VPI STA 115+90.00
VPI EL 814.00

EXISTING ELEVATION AT R/L
PROPOSED ELEVATION AT NB PGL

818.1	822.95	818.5	822.74	821.6	822.34	824.6	821.77	824.6	821.02	822.1	820.12	821.0	819.22	809.9	818.43	809.1	817.89	807.6	817.61	807.9	817.59	808.7	817.83	809.3	818.33

110+00 111+00 112+00 113+00 114+00 115+00 116+00

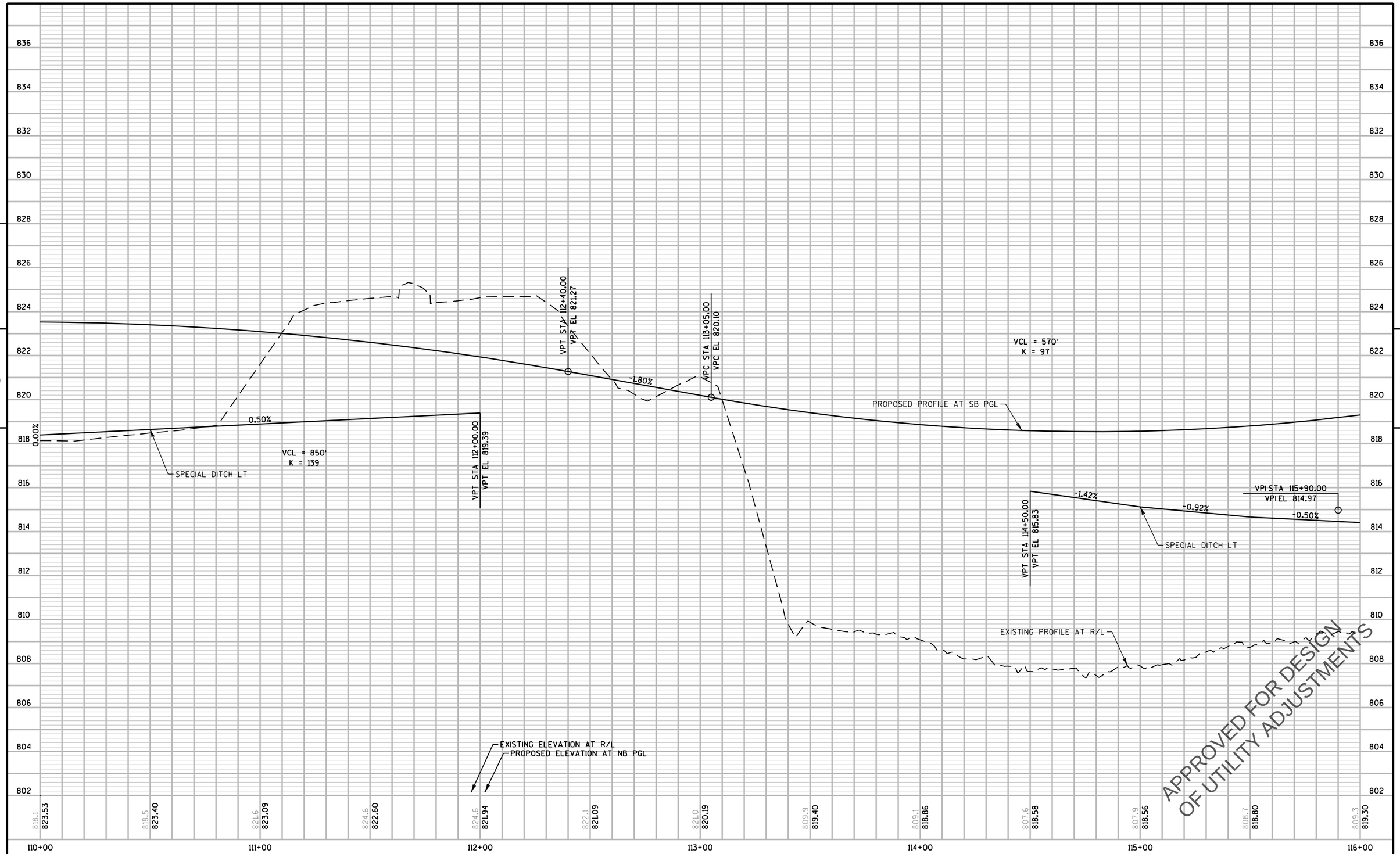
APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PROFILE: WAUKESHA BYPASS NB	SHEET	E

PRE_135

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_050108_pp.dgn PLOT DATE : 4/11/2016 10:26:04 AM PLOT BY : dbaumann PLOT NAME : PLOT SCALE : 40:1

WISDOT/CADDS SHEET 40

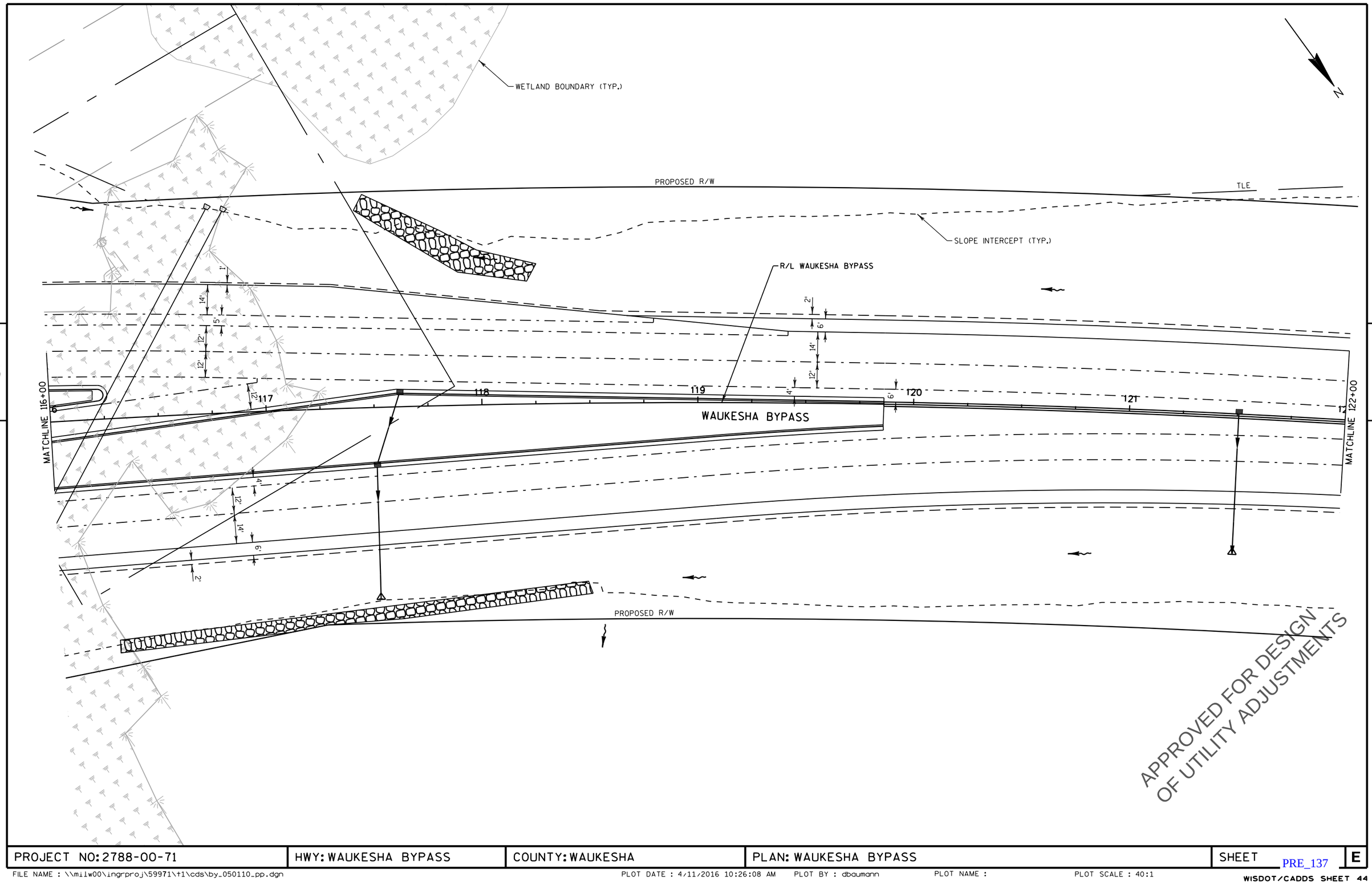


PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PROFILE: WAUKESHA BYPASS SB	SHEET	E

PRE_136

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_050109_pp.dgn PLOT DATE : 4/11/2016 10:26:06 AM PLOT BY : dbaumann PLOT NAME : PLOT SCALE : 40:1

WISDOT/CADDS SHEET 40



5

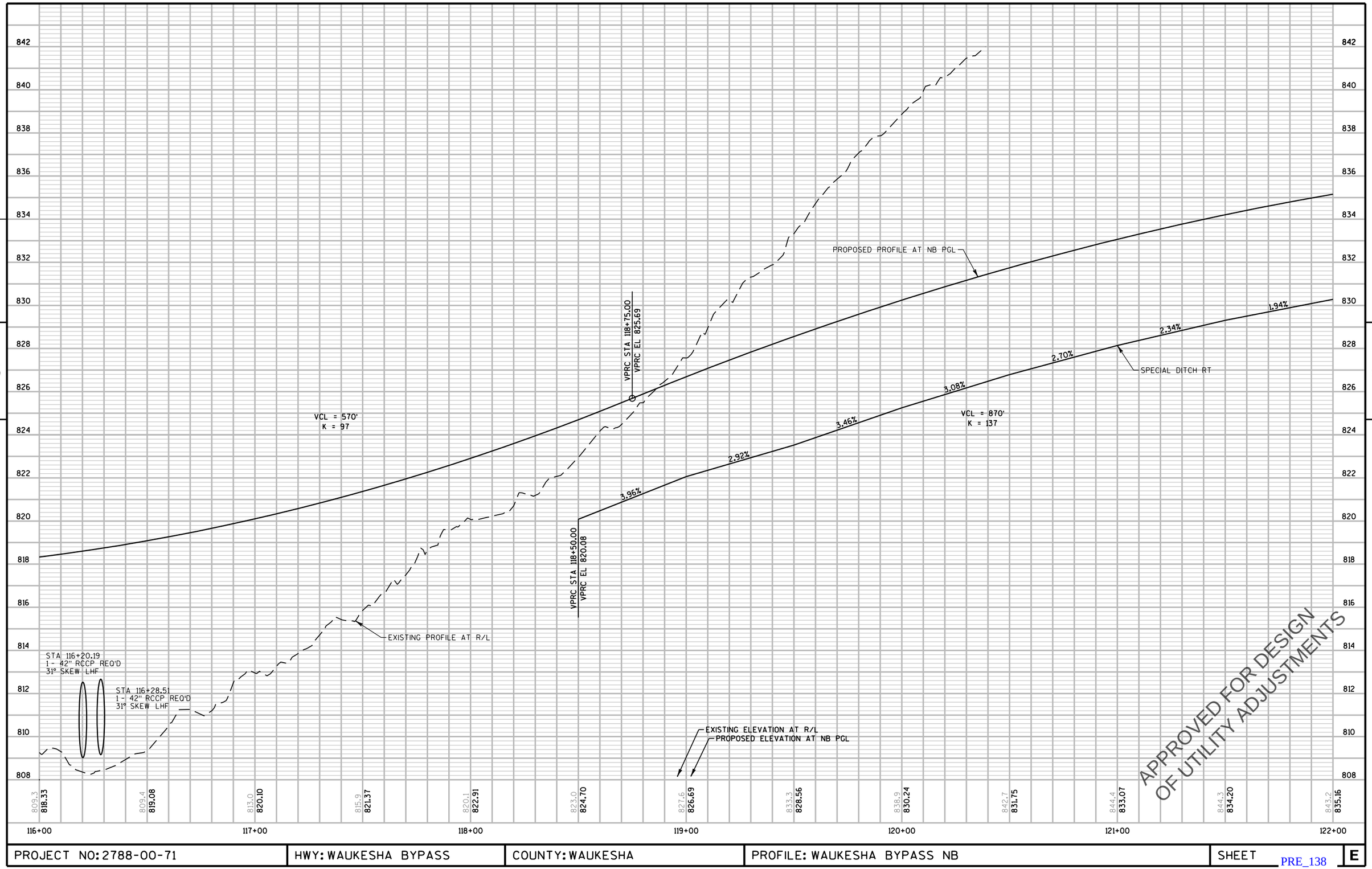
5

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PLAN: WAUKESHA BYPASS	SHEET	E

PRE_137

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_050110_pp.dgn PLOT DATE : 4/11/2016 10:26:08 AM PLOT BY : dbaumann PLOT NAME : PLOT SCALE : 40:1

WISDOT/CADDS SHEET 44



PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PROFILE: WAUKESHA BYPASS NB	SHEET	E

PRE_138

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_050111_pp.dgn PLOT DATE : 4/11/2016 10:26:10 AM PLOT BY : dbaumann PLOT NAME : PLOT SCALE : 40:1

WISDOT/CADDS SHEET 40

842
840
838
836
834
832
830
828
826
824
822
820
818
816
814
812
810
808

5

VCL = 570'
K = 97

VCL = 870'
K = 137

PROPOSED PROFILE AT SB PGL

EXISTING PROFILE AT R/L

EXISTING ELEVATION AT R/L

PROPOSED ELEVATION AT NB PGL

SPECIAL DITCH LT

SPECIAL DITCH LT

VPRC STA 118+75.00
VPRC EL 826.66

VPRC STA 117+62.50
VPRC EL 818.20

VPRC STA 116+50.00
VPRC EL 813.65

STA 116+20.19
1 - 42" RCCP REQ'D
31° SKEW LHF

STA 116+28.51
1 - 42" RCCP REQ'D
31° SKEW LHF

-1.52%
3.42%
10.53%
3.92%
3.96%
3.40%
3.02%
2.66%
2.28%
1.92%

809.3 819.30
809.4 820.05
813.0 821.07
815.9 822.34
820.1 823.88
823.0 825.67
827.6 827.66
833.3 829.53
838.9 831.21
842.7 832.72
844.4 834.04
844.3 835.17
843.2 836.13

116+00
117+00
118+00
119+00
120+00
121+00
122+00

APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PROFILE: WAUKESHA BYPASS SB	SHEET E

PRE_139

SLOPE INTERCEPT (TYP.)

TLE

TLE

PROPOSED R/W

B-67-353

R/L WAUKESHA BYPASS

2'
6'
14'
12'
6'

MATCHLINE 122+00

122

123

124

125

126

127

WAUKESHA BYPASS

MATCHLINE 128+00

12'
6.67'
14'
6'
2'

B-67-352

PROPOSED R/W

WETLAND BOUNDARY (TYP.)

APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS

5

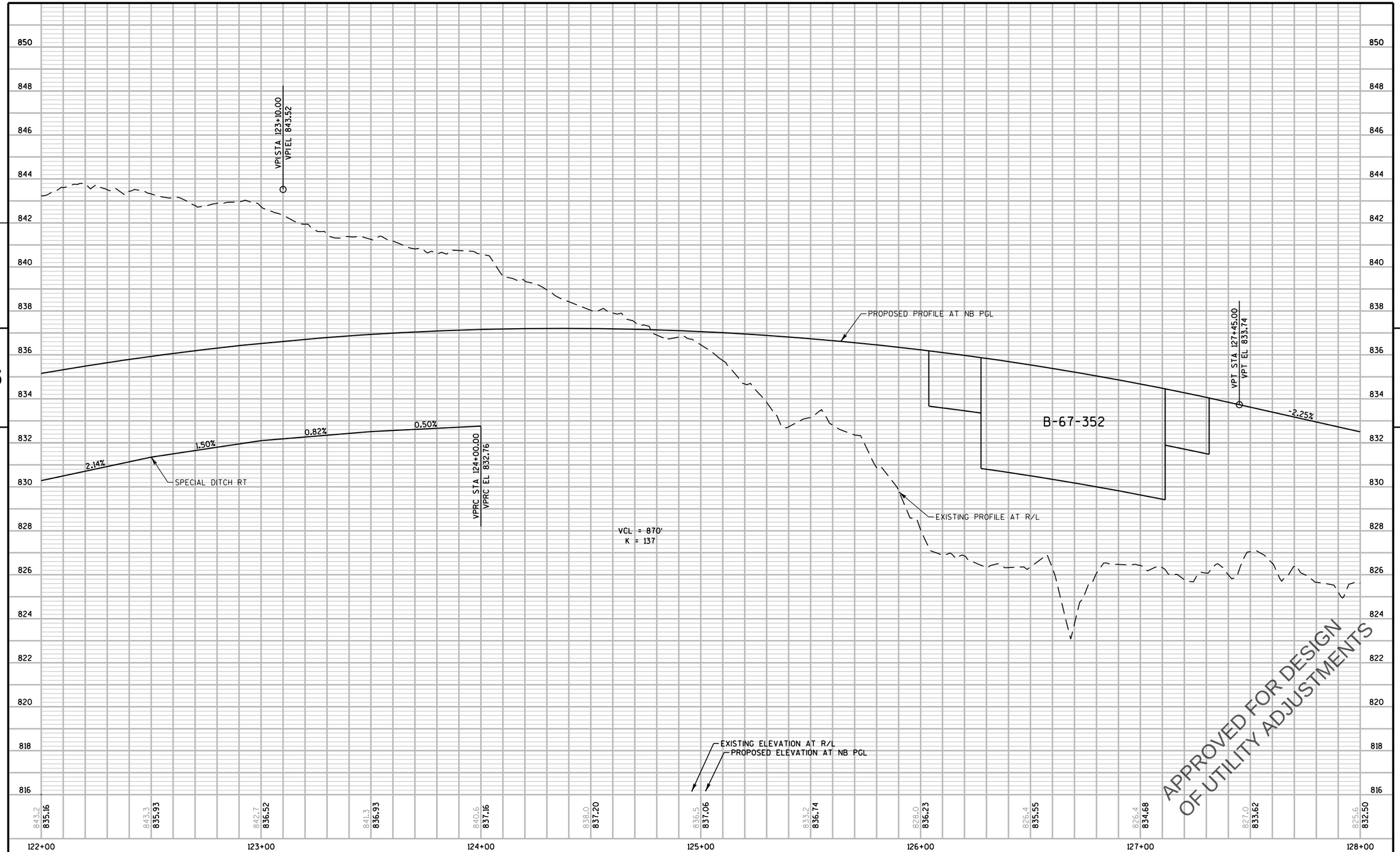
5

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PLAN: WAUKESHA BYPASS	SHEET	E

PRE_140

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_050113_pp.dgn PLOT DATE : 4/11/2016 10:26:14 AM PLOT BY : dbaumann PLOT NAME : PLOT SCALE : 40:1

WISDOT/CADDS SHEET 44



5

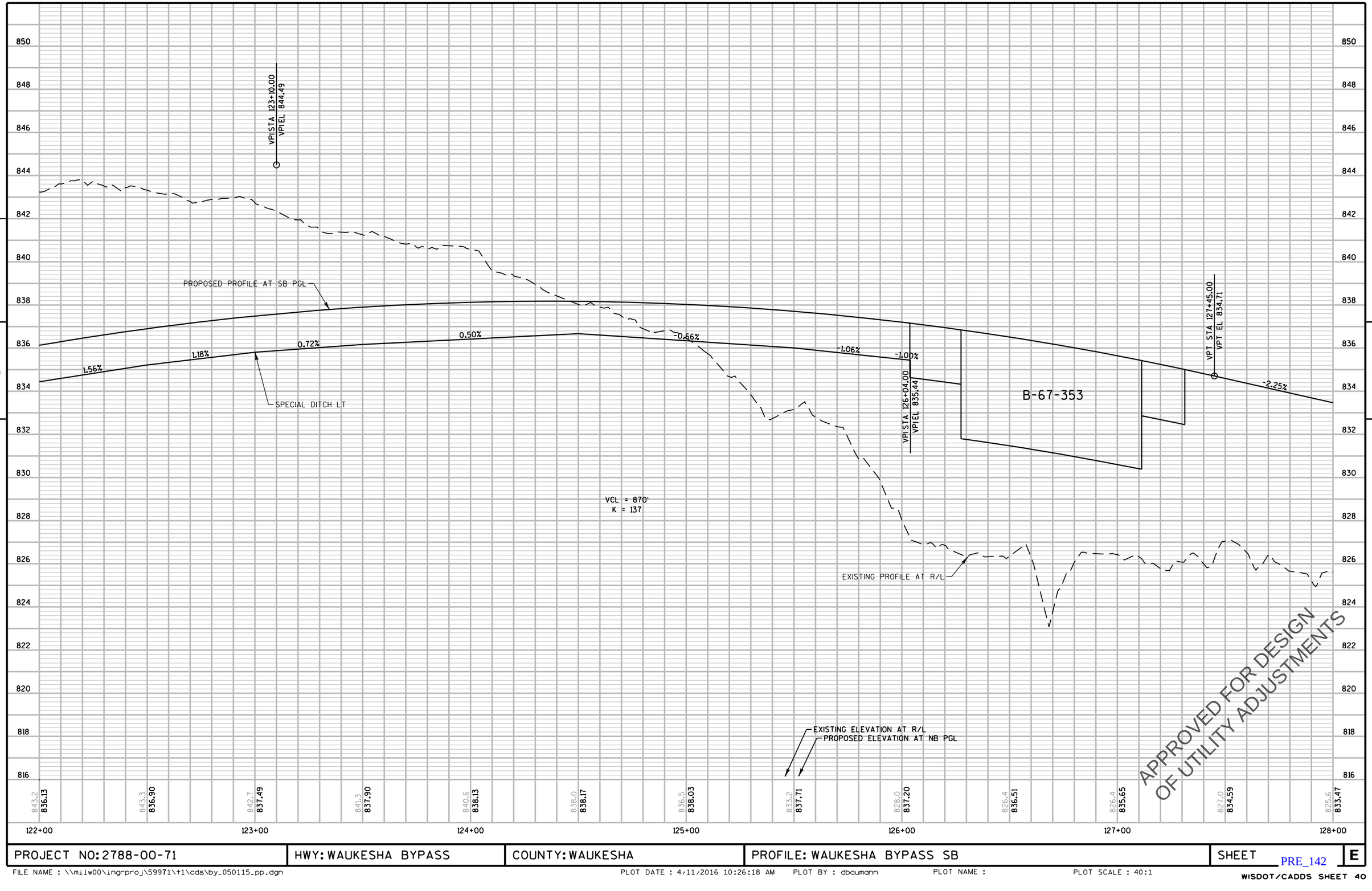
5

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PROFILE: WAUKESHA BYPASS NB	SHEET	E

PRE_141

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_050114_pp.dgn PLOT DATE : 4/11/2016 10:26:17 AM PLOT BY : dbaumann PLOT NAME : PLOT SCALE : 40:1

WISDOT/CADDS SHEET 40



PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PROFILE: WAUKESHA BYPASS SB	SHEET	E

PRE_142

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_050115_pp.dgn PLOT DATE : 4/11/2016 10:26:18 AM PLOT BY : dbaumann PLOT NAME : PLOT SCALE : 40:1

WISDOT/CADDS SHEET 40

CHRISTINE K WHITSTONE

N

PROPOSED R/W

B-67-361

B-67-360

R/L WAUKESHA BYPASS

WAUKESHA BYPASS

MATCHLINE 128+00

MATCHLINE 134+00

128

129

130

131

132

133

2'

6'

14'

12'

6.67'

14'

6'

2'

INTERCEPTING EMBANKMENT (TYP.)

SLOPE INTERCEPT (TYP.)

WETLAND BOUNDARY (TYP.)

PROPOSED R/W

SWING SET

APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS

5

5

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PLAN: WAUKESHA BYPASS	SHEET	E

PRE_143

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_050116_pp.dgn PLOT DATE : 4/11/2016 10:26:21 AM PLOT BY : dbaumann PLOT NAME : PLOT SCALE : 40:1

WISDOT/CADDS SHEET 44

842
840
838
836
834
832
830
828
826
824
822
820
818
816
814
812
810
808

PROPOSED PROFILE AT NB PGL

-2.25%

B-67-360

VPC STA 1311+20.00
VPC EL 825.30

VCL = 410'
K = 96

EXISTING PROFILE AT R/L

VPI STA 1333+25.00
VPI EL 820.69

VPC STA 1310+45.00
VPC EL 817.30

SPECIAL DITCH RT

-3.00%

VPC STA 1325+55.00
VPC EL 811.00

EXISTING ELEVATION AT R/L
PROPOSED ELEVATION AT NB PGL

| | | |

842
840
838
836
834
832
830
828
826
824
822
820
818
816
814
812
810
808

-2.25%

PROPOSED PROFILE AT SB PGL

B-67-361

VPC STA 130+85.00
VPC EL 827.06

VCL = 410'
K = 96

0.50%

SPECIAL DITCH LT

VPC STA 129+25.00
VPC EL 820.83

VPC STA 130+60.00
VPC EL 821.50

EXISTING PROFILE AT R/L

VPI STA 132+90.00
VPI EL 822.44

EXISTING ELEVATION AT R/L
PROPOSED ELEVATION AT NB PGL

825.6	824.6	822.5	820.9	818.6	818.4	820.8	818.7	816.1	814.4	813.8	813.8	814.5
833.47	832.34	831.22	830.09	828.97	827.84	826.73	825.81	825.15	824.76	824.61	824.73	825.11

128+00 129+00 130+00 131+00 132+00 133+00 134+00

APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PROFILE: WAUKESHA BYPASS SB	SHEET	E

PRE_145

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_050118_pp.dgn PLOT DATE : 4/11/2016 10:26:25 AM PLOT BY : dbaumann PLOT NAME : PLOT SCALE : 40:1

WISDOT/CADDS SHEET 40

PROPOSED R/W

PROPOSED R/W

SLOPE INTERCEPT (TYP.)

R/L WAUKESHA BYPASS

2'
6'
14'
12'
6'

MATCHLINE 134+00

134

135

WAUKESHA BYPASS
N 35°41'32" W

A 137

A 138

A

MATCHLINE A 139++00

12'
16.67'
14'
6'
2'

AHEAD A 136+00.00
BACK 135+82.92

PROPOSED R/W

INTERSECTING WAUKESHA BYPASS

PROPOSED R/W

TLE

WETLAND BOUNDARY (TYP.)

APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PLAN: WAUKESHA BYPASS	SHEET	E

PRE_146

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_050119_pp.dgn PLOT DATE : 4/11/2016 10:26:28 AM PLOT BY : dbaumann PLOT NAME : PLOT SCALE : 40:1

WISDOT/CADDS SHEET 44

PROPOSED PROFILE AT NB PGL

EXISTING PROFILE AT R/L

VCL = 410'
K = 96

VCL = 210'
K = 140

2.00%

5.40%

4.60%

5.80%

5.40%

5.60%

5.81%

VPI STA A 138+25.00
VPI EL 830.35

VPC STA A 137+20.00
VPC EL 828.25

VPC STA A 138+05.00
VPC EL 823.33

VPT STA 135+30.00
VPT EL 824.79

VPT STA 135+75.00
VPT EL 811.54

SPECIAL DITCH RT

STA 134+15.68
1- 30" RCCP REQ'D
0° SKEW

EXISTING ELEVATION AT R/L
PROPOSED ELEVATION AT NB PGL

814.5	814.9	814.0	815.1	816.2	817.4	819.8	822.4	823.3	823.4	824.2
823.06	823.52	824.23	825.19	825.85	826.85	827.85	828.81	829.62	830.24	830.69

134+00 | 135+00 | A 136+00 | A 137+00 | A 138+00 | A 139+00

APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PROFILE: WAUKESHA BYPASS NB	SHEET	E

PRE_147

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_050120_pp.dgn PLOT DATE : 4/11/2016 10:26:30 AM PLOT BY : dbaumann PLOT NAME : PLOT SCALE : 40:1

WISDOT/CADDS SHEET 40

842
840
838
836
834
832
830
828
826
824
822
820
818
816
814
812
810
808

5

PROPOSED PROFILE AT SB PGL

VCL = 410'
K = 96

2.00%

VPC STA A 137+20.00
VPC EL 830.70

VCL = 210'
K = 140

VPI STA A 138+25.00
VPI EL 832.80

0.90%
1.24%
0.70%
1.40%
3.00%
4.95%

SPECIAL DITCH LT

VPT STA 134+95.00
VPT EL 826.54

VPT STA 135+50.00
VPT EL 821.15

EXISTING PROFILE AT R/L

STA 134+15.68
1- 30" RCCP REQ'D
0° SKEW

EXISTING ELEVATION AT R/L
PROPOSED ELEVATION AT NB PGL

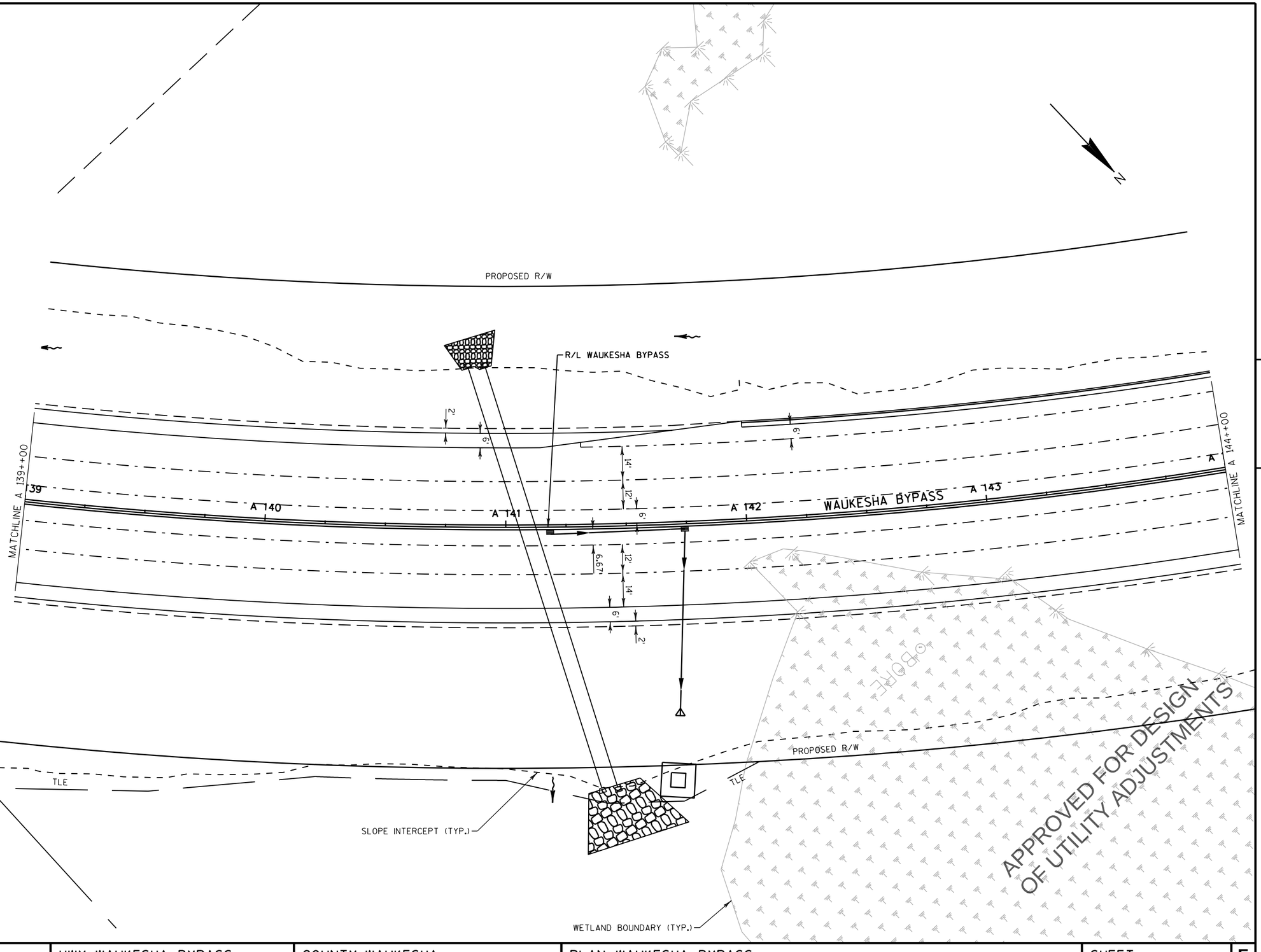
814.5 825.11
814.9 825.75
814.0 826.64
815.1 827.64
816.2 828.30
817.4 829.30
819.6 830.30
822.4 831.27
823.3 832.07
823.4 832.70
824.2 833.15

134+00
135+00
A 136+00
A 137+00
A 138+00
A 139+00

APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PROFILE: WAUKESHA BYPASS SB	SHEET	E

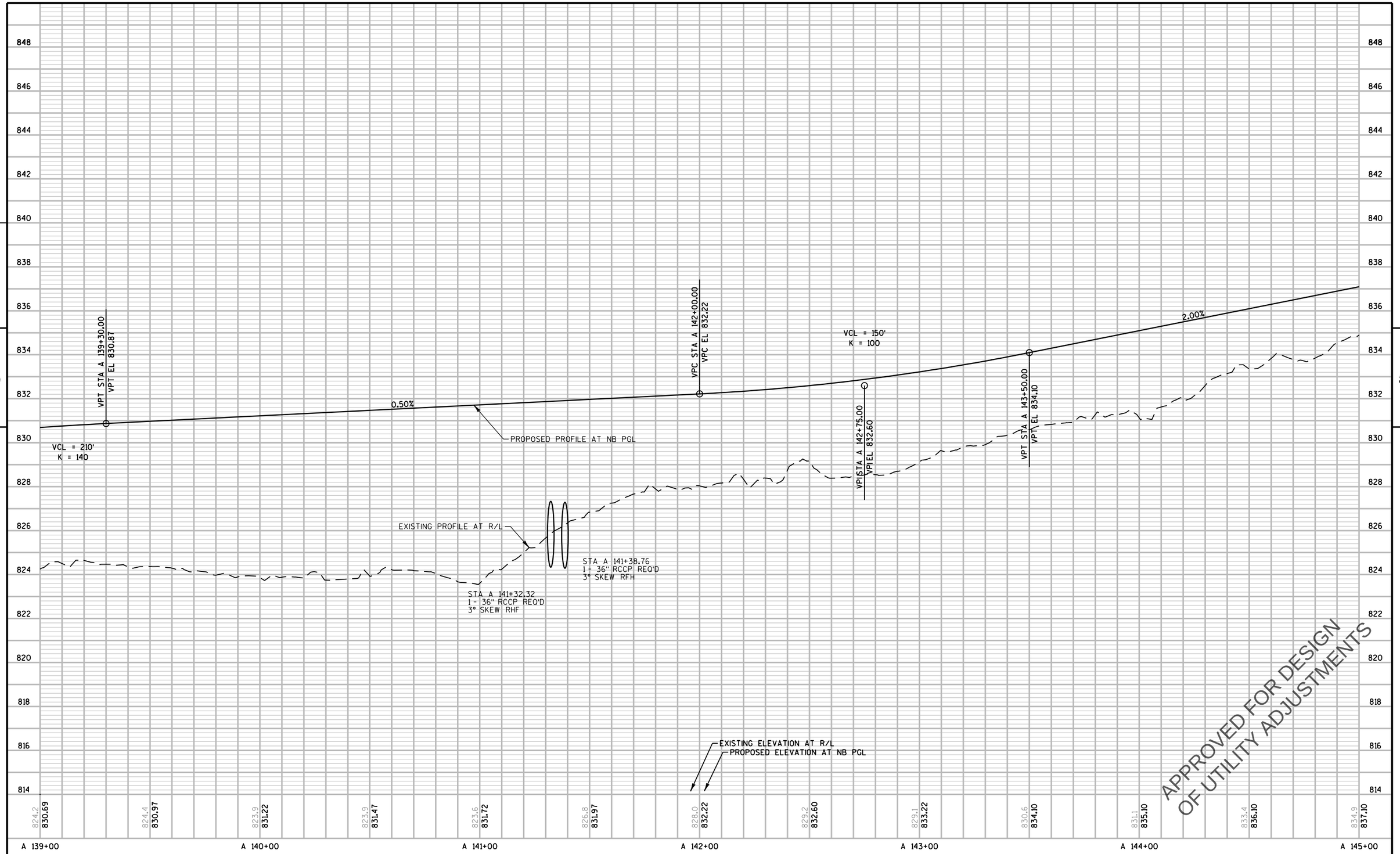
PRE_148



5

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PLAN: WAUKESHA BYPASS	SHEET E

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_050122_pp.dgn PLOT DATE : 4/11/2016 10:26:35 AM PLOT BY : dbaumann PLOT NAME : PLOT SCALE : 40:1
WISDOT/CADDS SHEET 44



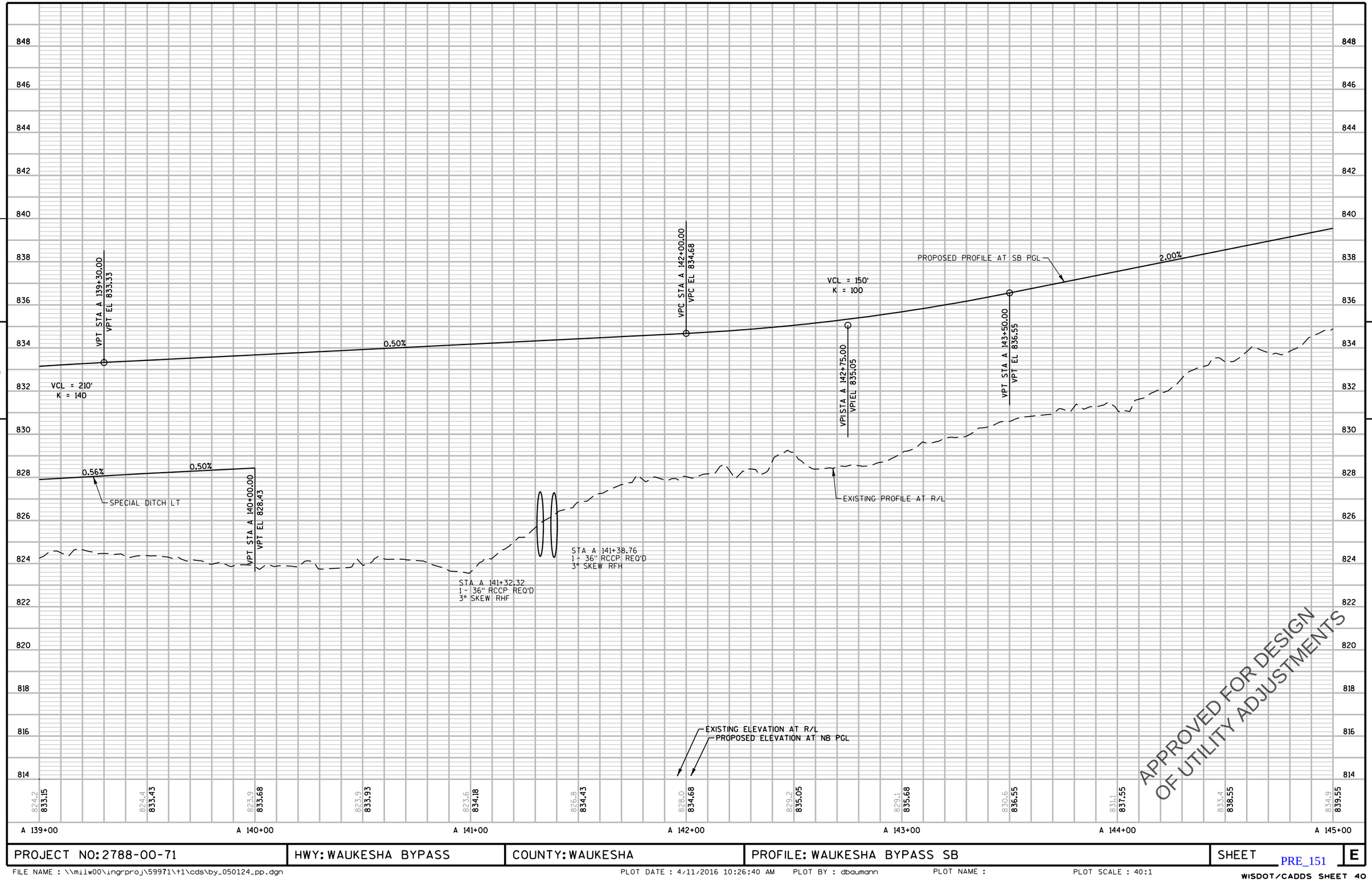
APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PROFILE: WAUKESHA BYPASS NB	SHEET	E

PRE_150

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_050123_pp.dgn PLOT DATE : 4/11/2016 10:26:38 AM PLOT BY : dbaumann PLOT NAME : PLOT SCALE : 40:1

WISDOT/CADDS SHEET 40



APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PROFILE: WAUKESHA BYPASS SB	SHEET E

PRE_151

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_050124_pp.dgn PLOT DATE : 4/11/2016 10:26:40 AM PLOT BY : dbaumann PLOT NAME : PLOT SCALE : 40:1

WISDOT/CADDS SHEET 40

TLE

TLE

TLE

PROPOSED R/W

PROPOSED R/W

R/L WAUKESHA BYPASS

2'

6'

6'

14'

12'

6'

A 145

A 146

A 147

A 148

A 149

WAUKESHA BYPASS

A

4'

4'

N 56°21'25" W

44

MATCHLINE A 144+00

6.67'

12'

14'

6'

2'

MATCHLINE A 150+00

SLOPE INTERCEPT (TYP.)

PROPOSED R/W

WETLAND BOUNDARY (TYP.)

BORE

PROPOSED R/W

APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS

5

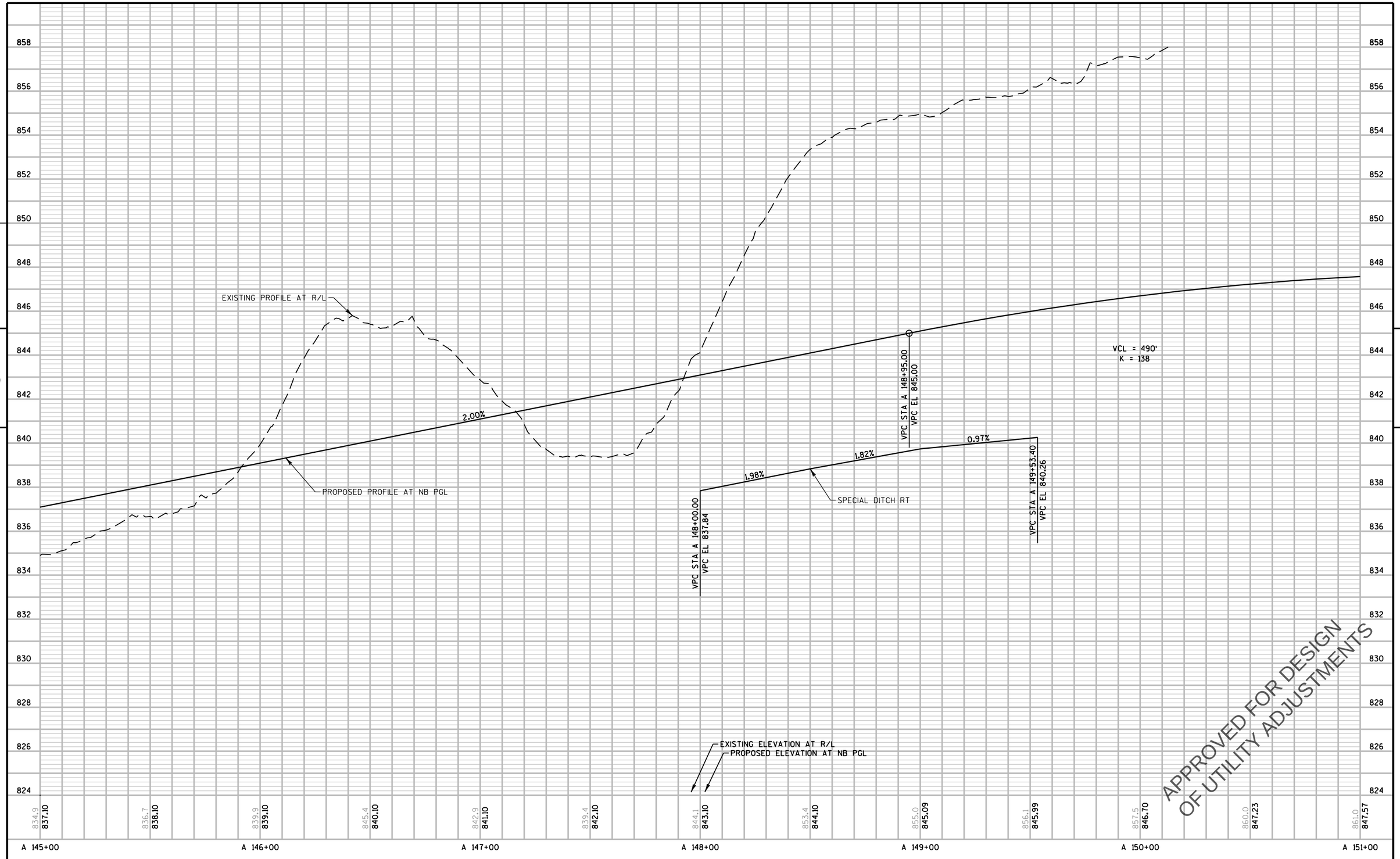
5

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PLAN: WAUKESHA BYPASS	SHEET	E

PRE_152

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_050125_pp.dgn PLOT DATE : 4/11/2016 10:26:43 AM PLOT BY : dbaumann PLOT NAME : PLOT SCALE : 40:1

WISDOT/CADDS SHEET 44

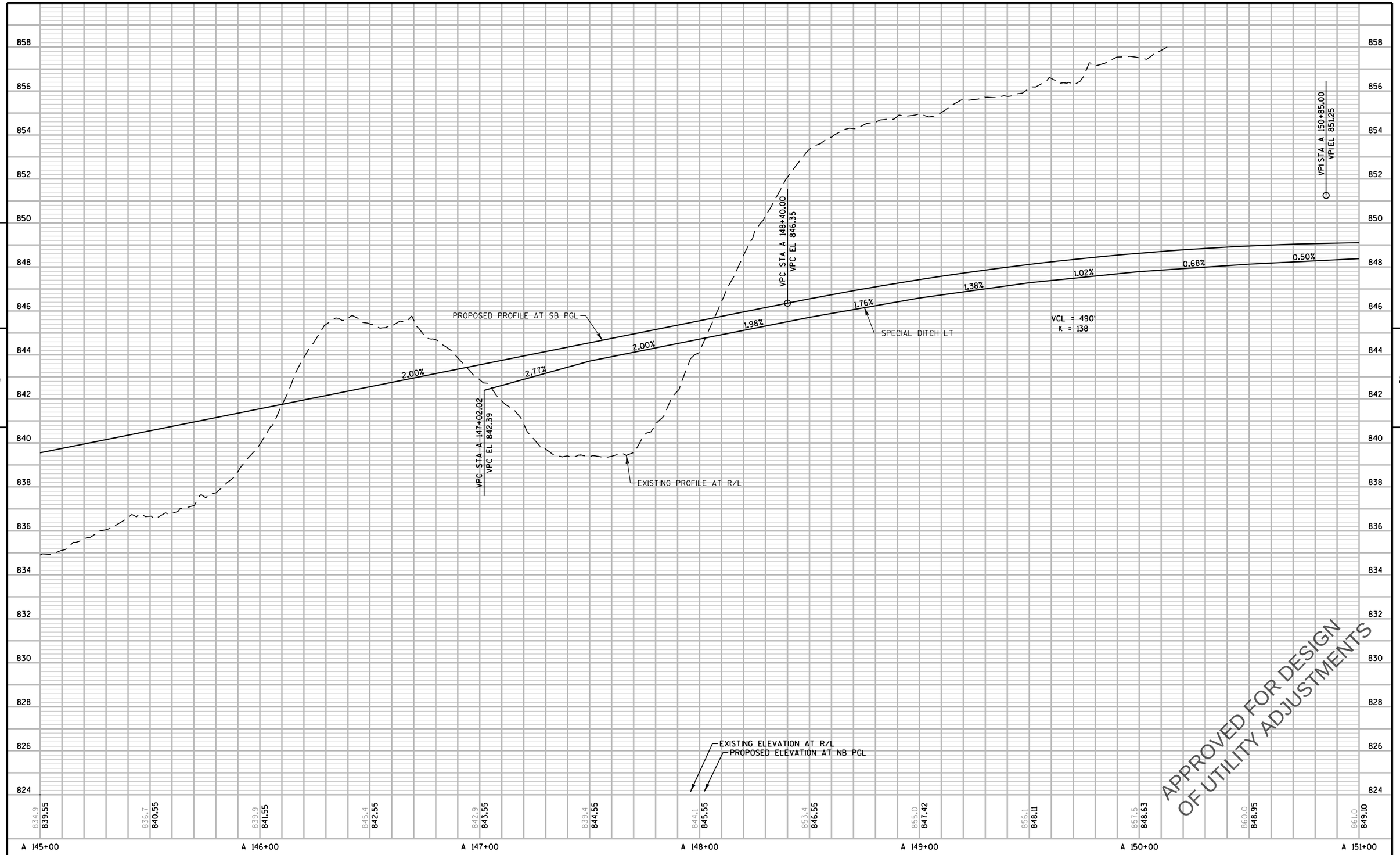


PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PROFILE: WAUKESHA BYPASS NB	SHEET	E

PRE_153

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_050126_pp.dgn PLOT DATE : 4/11/2016 10:26:45 AM PLOT BY : dbaumann PLOT NAME : PLOT SCALE : 40:1

WISDOT/CADDS SHEET 40



APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PROFILE: WAUKESHA BYPASS SB	SHEET	E

PRE_154

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_050127_pp.dgn PLOT DATE : 4/11/2016 10:26:47 AM PLOT BY : dbaumann PLOT NAME : PLOT SCALE : 40:1

WISDOT/CADDS SHEET 40

PROPOSED RW

TLE

SLOPE INTERCEPT (TYP.)

STA 153+66.91, 114.0'LT R/L WAUKESHA BYPASS =
STA 49+11.38, 109.7'RT R/L SUNSET DRIVE
R=55'

CTH D/SUNSET DRIVE

STA 155+67.36, 127.5'LT
R/L WAUKESHA BYPASS =
STA 48+44.11, 80.0'LT
R/L SUNSET DRIVE
R=50'

PROPOSED RW

FUTURE PATH
GRADING (TYP.)

R/L WAUKESHA BYPASS

WAUKESHA BYPASS

A 151

A 152

A 153

A 154

A 155

A

MATCHLINE A 150+00

MATCHLINE A 156+00

N 80°29'01" E

WETLAND BOUNDARY (TYP.)

STA 153+35.10, 119.6'RT R/L WAUKESHA BYPASS =
STA 51+45.25, 80.0'RT R/L SUNSET DRIVE
R=50'

EXISTING RW

CTH D/SUNSET DRIVE

R/L SUNSET DRIVE

PROPOSED RW

TLE

STA 155+35.17, 106.0'RT R/L WAUKESHA BYPASS =
STA 50+80.33, 109.7'LT R/L SUNSET DRIVE
R=55'

APPROVED FOR DESIGN
& UTILITY ADJUSTMENTS

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PLAN: WAUKESHA BYPASS	SHEET	E

PRE_155

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_050128_pp.dgn PLOT DATE : 4/11/2016 10:26:50 AM PLOT BY : dbaumann PLOT NAME : PLOT SCALE : 40:1

WISDOT/CADDS SHEET 44

862 860 858 856 854 852 850 848 846 844 842 840 838 836 834 832 830 828

5

VPI STA A 151+40.00
VPI EL 849.90

VPT STA A 153+85.00
VPT EL 846.10

PROPOSED PROFILE AT NB PGL

-1.55%

VCL = 490'
K = 138

0.50%

-0.62%

SPECIAL DITCH RT

VPI STA A 152+00.00
VPI EL 842.40

VPI STA A 153+00.00
VPI EL 842.34

EXISTING PROFILE AT R/L

VPC STA A 154+75.00
VPC EL 844.70

VPI STA A 155+00.00
VPI EL 834.80

2.06%

-3.14%

VCL = 270'
K = 138

-3.72%

-3.00%

SPECIAL DITCH RT

VPI STA A 156+10.00
VPI EL 842.61

EXISTING ELEVATION AT R/L
PROPOSED ELEVATION AT NB PGL

861.0 847.57 | 863.7 847.74 | 862.8 847.73 | 858.7 847.53 | 856.9 847.15 | 854.6 846.60 | 840.5 845.87 | 841.0 845.09 | 838.0 844.29 | 834.5 843.34 | 830.0 842.20 | 824.8 840.88 | 823.1 839.39

A 151+00 A 152+00 A 153+00 A 154+00 A 155+00 A 156+00 A 157+00

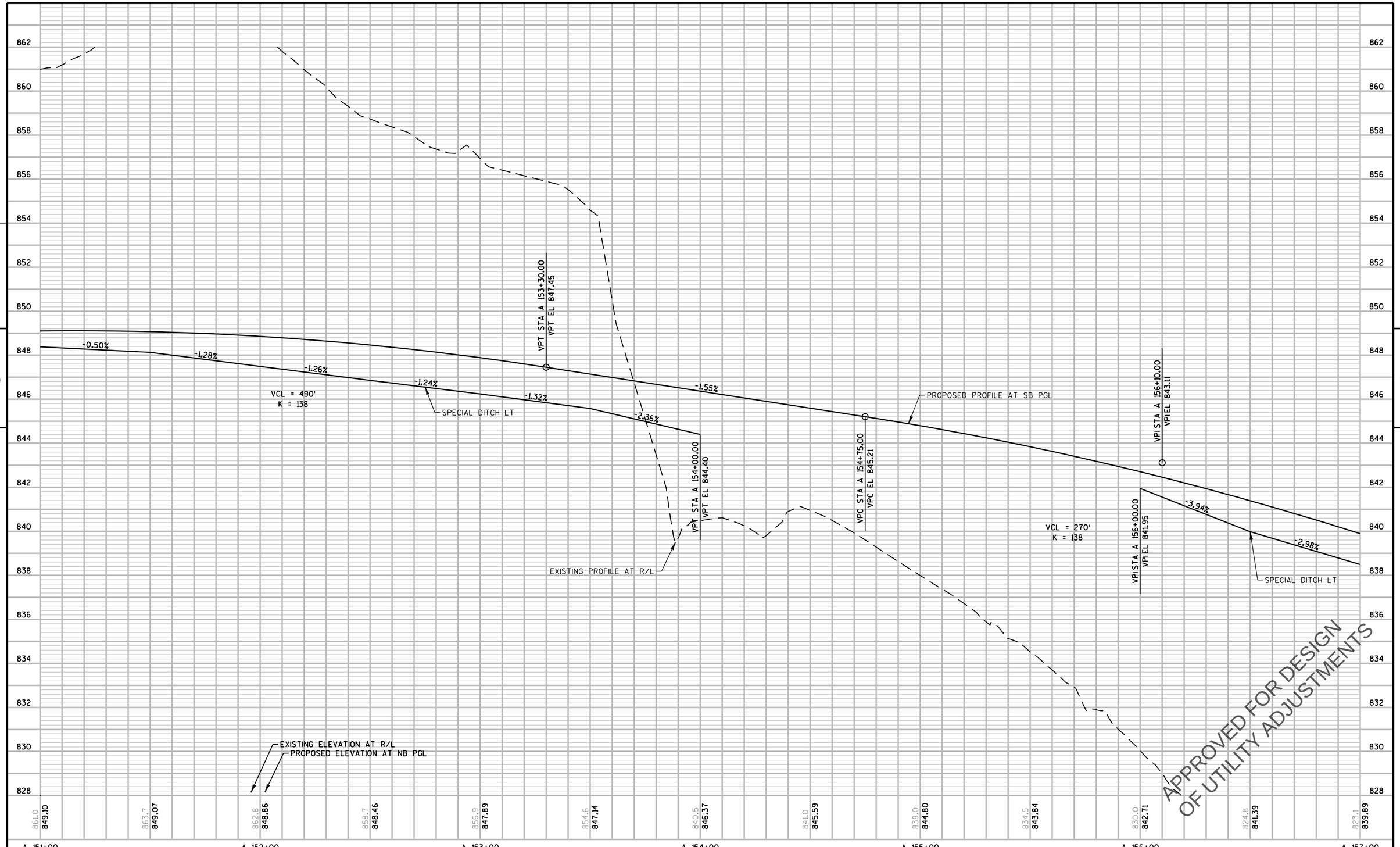
APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PROFILE: WAUKESHA BYPASS NB	SHEET E

PRE_156

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_050129_pp.dgn PLOT DATE : 4/11/2016 10:26:53 AM PLOT BY : dbaumann PLOT NAME : PLOT SCALE : 40:1

WISDOT/CADDS SHEET 40



5

5

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PROFILE: WAUKESHA BYPASS SB	SHEET	E

PRE_157

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_050130_pp.dgn PLOT DATE : 4/11/2016 10:26:55 AM PLOT BY : dbaumann PLOT NAME : PLOT SCALE : 40:1

WISDOT/CADDS SHEET 40

5

5

TLE

PROPOSED RW

FUTURE PATH GRADING (TYP.)

PROPOSED RW

R/L WAUKESHA BYPASS

1'
14'
5'
12'
12'
10'
12'

2'
6'
2'

MATCHLINE A 156+00

56

A 157

A 158

A 159

A 160

A 161

A

MATCHLINE A 162+00

N 24°30'59" W

WAUKESHA BYPASS

4'
12'
14'
6'
2'

10'

WETLAND BOUNDARY (TYP.)

PROPOSED RW

TLE

PROPOSED RW

TLE

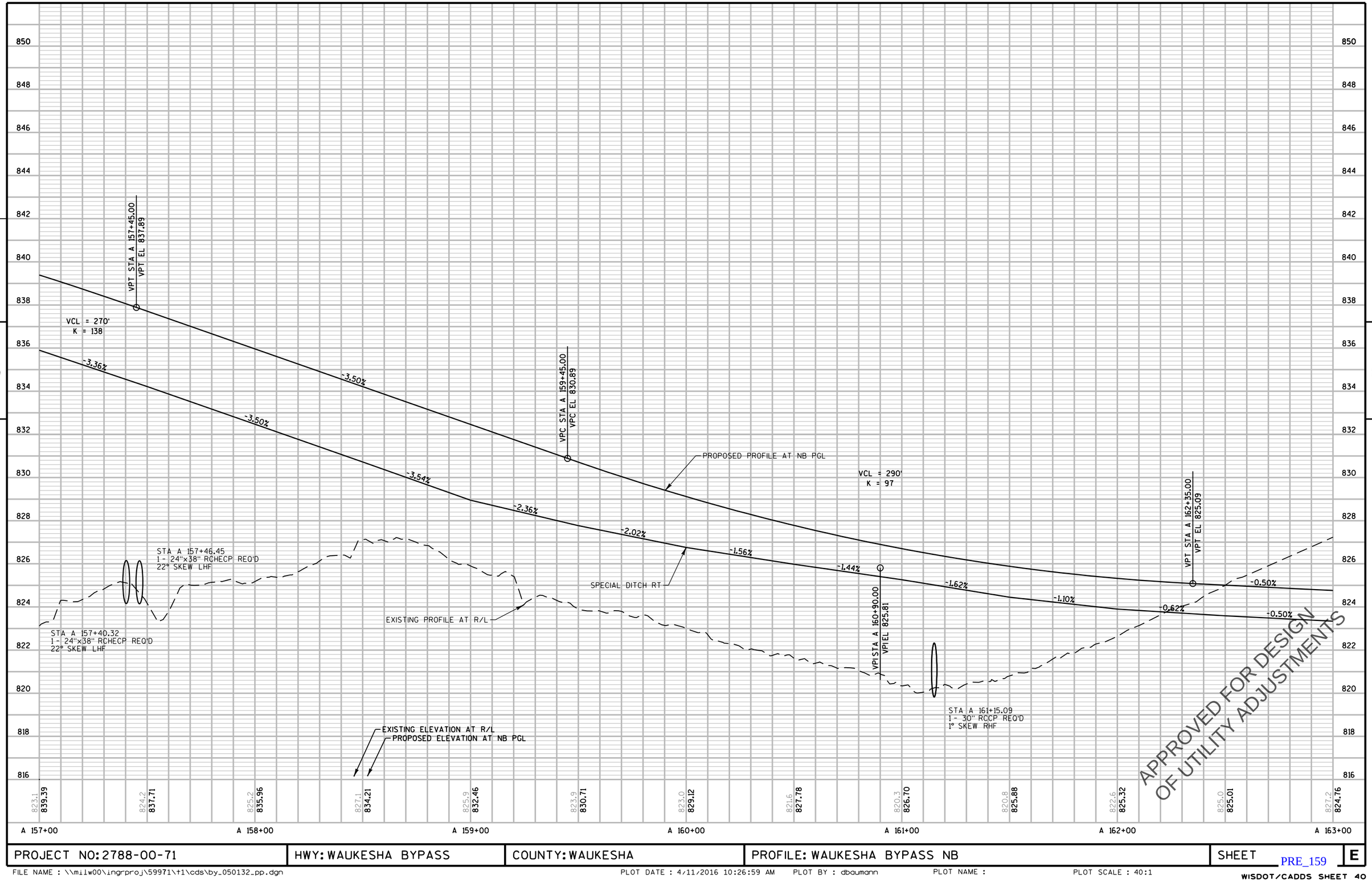
SLOPE INTERCEPT (TYP.)

APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PLAN: WAUKESHA BYPASS	SHEET	E

PRE_158

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_050131_pp.dgn PLOT DATE : 4/11/2016 10:26:57 AM PLOT BY : dbaumann PLOT NAME : PLOT SCALE : 40:1



PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PROFILE: WAUKESHA BYPASS NB	SHEET E

PRE_159

850 848 846 844 842 840 838 836 834 832 830 828 826 824 822 820 818 816

5

VPT STA A 157+45.00
VPT EL 838.39

0.00%

-3.32%

VCL = 270'
K = 138

-3.46%

PROPOSED PROFILE AT SB PGL

-3.50%

VPC STA A 159+55.00
VPC EL 831.04

-4.10%

-4.78%

-5.36%

SPECIAL DITCH LT

-5.82%

VCL = 290'
K = 97

-3.04%

VPI STA A 161+00.00
VPI EL 825.96

-2.26%

-1.84%

-1.22%

VPT STA A 162+45.00
VPT EL 825.24

-0.50%

-0.50%

STA A 157+46.45
1 - 24"x38" RCHECP REQ'D
22° SKEW LHF

STA A 157+40.32
1 - 24"x38" RCHECP REQ'D
22° SKEW LHF

EXISTING PROFILE AT R/L

STA A 161+15.09
1 - 30" RCCP REQ'D
1° SKEW RHF

EXISTING ELEVATION AT R/L
PROPOSED ELEVATION AT NB PGL

| | | |

SLOPE INTERCEPT (TYP.)

STA 165+31.35, 91.0'LT R/L WAUKESHA BYPASS =
STA 49+16.93, 55.0'RT R/L SUNSET DRIVE
R=40'

TLE

PROPOSED RW

FUTURE PATH GRADING (TYP.)

R/L WAUKESHA BYPASS

GREEN LN

N 62°37'58" E

STA 166+49.20, 96.0'LT
R/L WAUKESHA BYPASS =
STA 48+88.10, 55.0'LT
R/L GREEN LANE
R=40'

MATCHLINE A 162+00

MATCHLINE A 168+00

A 163 | A 164 | WAUKESHA BYPASS | A 165 | A 166 | A 167

TLE

PROPOSED RW

TLE

WETLAND BOUNDARY (TYP.)

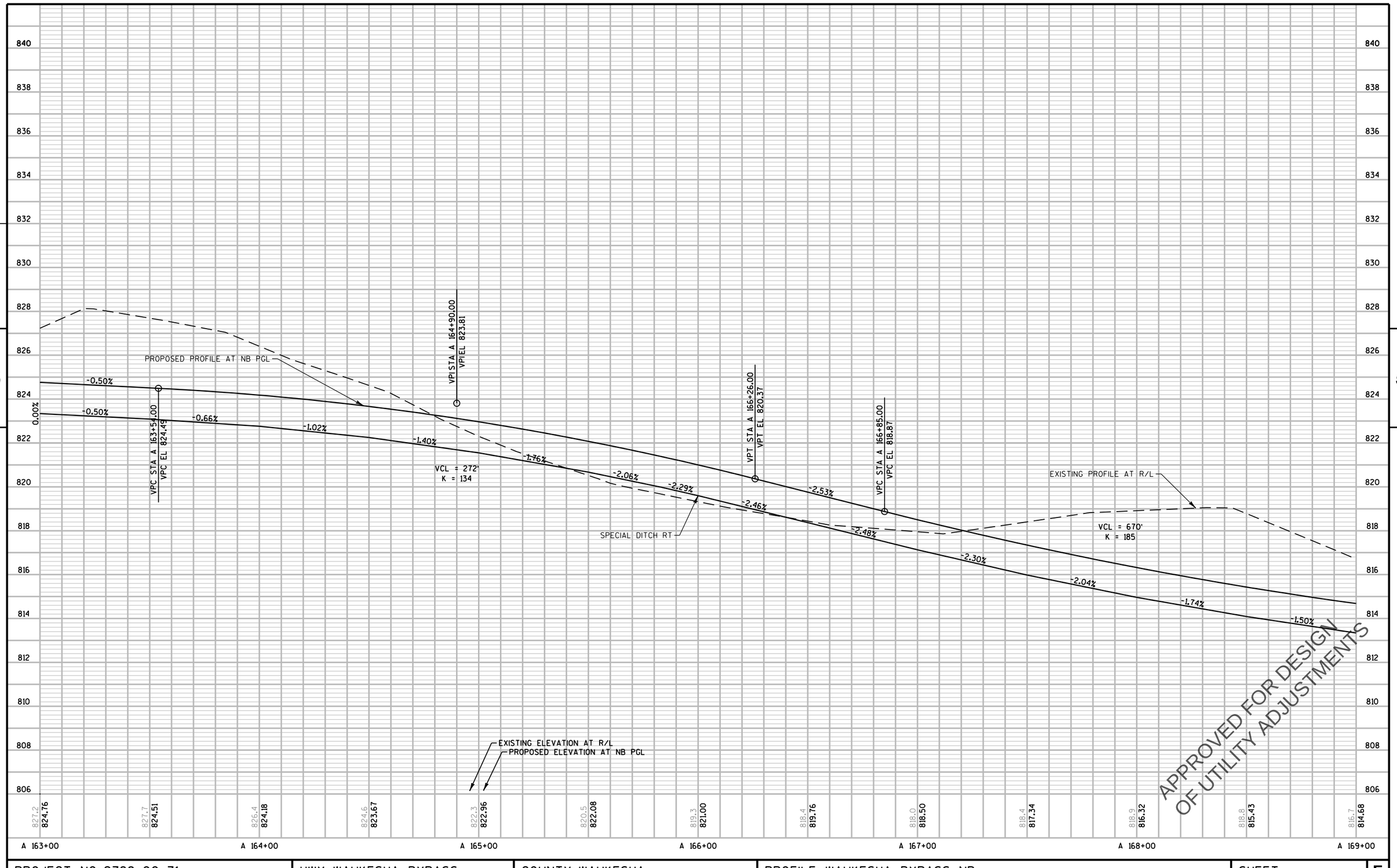
APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PLAN: WAUKESHA BYPASS	SHEET	E

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_050134_pp.dgn PLOT DATE : 4/11/2016 10:27:04 AM PLOT BY : dbaumann PLOT NAME : PLOT SCALE : 40:1

PRE_161

WISDOT/CADDS SHEET 44



PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PROFILE: WAUKESHA BYPASS NB	SHEET E

PRE_162

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_050135_pp.dgn PLOT DATE : 4/11/2016 10:27:06 AM PLOT BY : dbaumann PLOT NAME : PLOT SCALE : 40:1

WISDOT/CADDS SHEET 40

840
838
836
834
832
830
828
826
824
822
820
818
816
814
812
810
808
806

5

-0.50%

VPC STA A 163+50.00
VPC EL 824.71

VPI STA A 164+85.00
VPI EL 824.04

PROPOSED PROFILE AT SB PGL

VCL = 270'
K = 138

VPI STA A 165+00.00
VPI EL 819.39

-0.50%

SPECIAL DITCH LT

EXISTING PROFILE AT R/L

VPI STA A 166+17.00
VPI EL 816.85

-0.76%

VPT STA A 166+20.00
VPT EL 820.72

-2.46%

VPC STA A 167+25.00
VPC EL 818.14

VCL = 200'
K = 102

VPI STA A 168+25.00
VPI EL 815.69

-5.48%

-2.82%

-2.14%

-1.46%

-0.62%

SPECIAL DITCH LT

EXISTING ELEVATION AT R/L
PROPOSED ELEVATION AT NB PGL

827.2 824.96
827.7 824.71
826.4 824.37
824.6 823.85
822.3 823.15
820.5 822.27
819.3 821.20
818.4 819.99
818.0 818.76
818.4 817.56
818.9 816.58
818.8 815.84
816.7 815.34

A 163+00
A 164+00
A 165+00
A 166+00
A 167+00
A 168+00
A 169+00

APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PROFILE: WAUKESHA BYPASS SB	SHEET	E

PRE_163

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_050136_pp.dgn
PLOT DATE : 4/11/2016 10:27:08 AM
PLOT BY : dbaumann
PLOT NAME :
PLOT SCALE : 40:1

WISDOT/CADDS SHEET 40

CHRISTOPH FAMILY TRUST

TLE

SLOPE INTERCEPT (TYP.)

PROPOSED RW

TLE

FUTURE PATH GRADING (TYP.)

MATCHLINE A 168+00

68

A 169

A 170

A 171

A 172

A

MATCHLINE A 173+00

WAUKESHA BYPASS

R/L WAUKESHA BYPASS

PROPOSED RW

WETLAND BOUNDARY (TYP.)

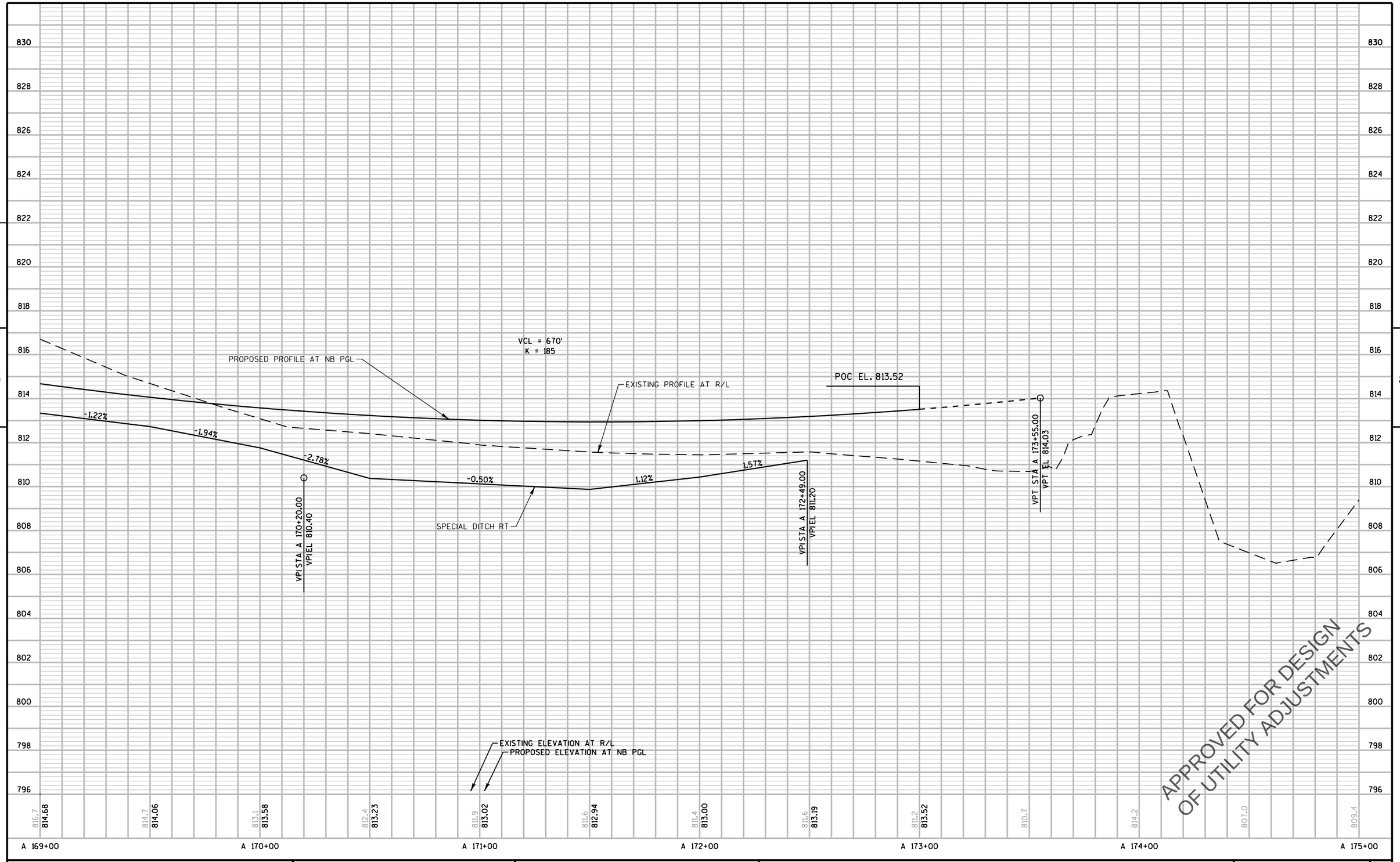
1'
14'
5'
12'
12'
4'
12'
4'
14'
6'
2'
10'
2'
6'
14'
12'
4'
12'
4'
14'
6'

APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PLAN: WAUKESHA BYPASS	SHEET	E

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_050137_pp.dgn PLOT DATE : 4/11/2016 10:27:10 AM PLOT BY : dbaumann PLOT NAME : PLOT SCALE : 40:1

WISDOT/CADDS SHEET 44

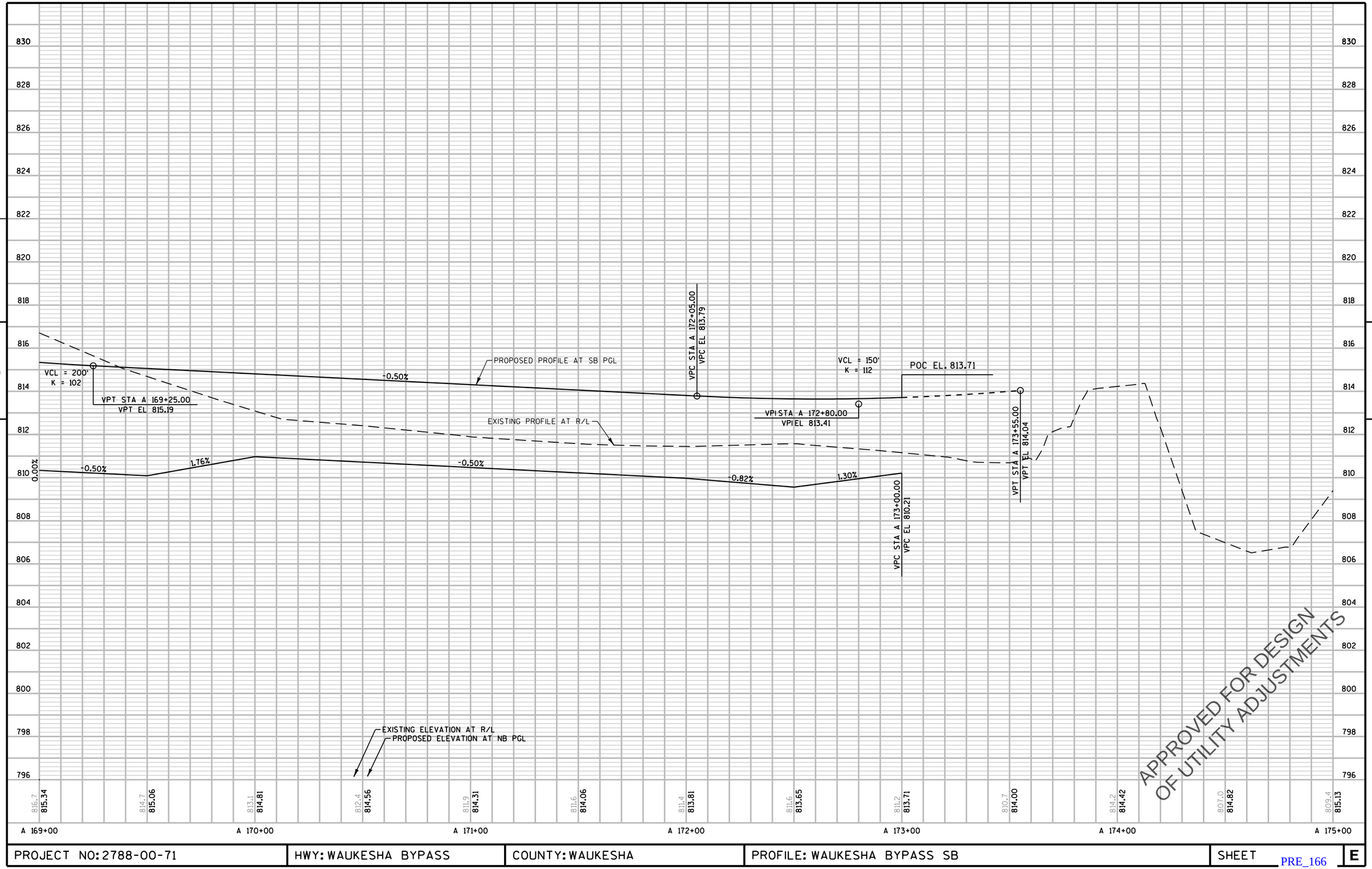


PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PROFILE: WAUKESHA BYPASS NB	SHEET	E

PRE_165

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_050138_pp.dgn PLOT DATE : 4/11/2016 10:27:13 AM PLOT BY : dbaumann PLOT NAME : PLOT SCALE : 40:1

WISDOT/CADDS SHEET 40



APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PROFILE: WAUKESHA BYPASS SB	SHEET	E

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_050139_pp.dgn
PLOT DATE : 4/11/2016 10:27:15 AM PLOT BY : dbaumann PLOT NAME : PLOT SCALE : 40:1
WISDOT/CADDS SHEET 40

PROPOSED RW

TLE

62

BM 746

WISCONSIN & SOUTHERN RAILROAD

DETECTABLE WARNING FIELD TYP.

WETLAND DELINEATION TYP

PROPOSED RW

B-67-355

R/L WAUKESHA BYPASS

NOTE:
LOCATIONS OF RAILROAD SIGNAL EQUIPMENT AND CROSSING GATES WILL BE COORDINATED WITH THE WIS & SOUTHERN RAILROAD

15' TYP

20'

25'

40' FACE TO FACE

36'

WAUKESHA BYPASS SB

WAUKESHA BYPASS NB

MATCHLINE STA 173+00

MATCHLINE STA 179+00

73

A 174

A 175

A 176

A 177

A 178

A

2'
2'
6'
12'
12'
4'
17'
4'
12'
12'
2'
6'
8'
10'

HMA PAVING LIMITS TYP 24'

220.448'

12' TYP CURB LIMITS TYP

5' TYP

HMA PAVING LIMITS, TYP 25'

15' TYP

10'

C-67-88

GLACIAL DRUMLIN TRAIL

PROPOSED RW

SLOPE INTERCEPT. (TYP)

B-67-354

BM 745

ABANDONED

APPROVED FOR DESIGN OF UTILITY ADJUSTMENTS

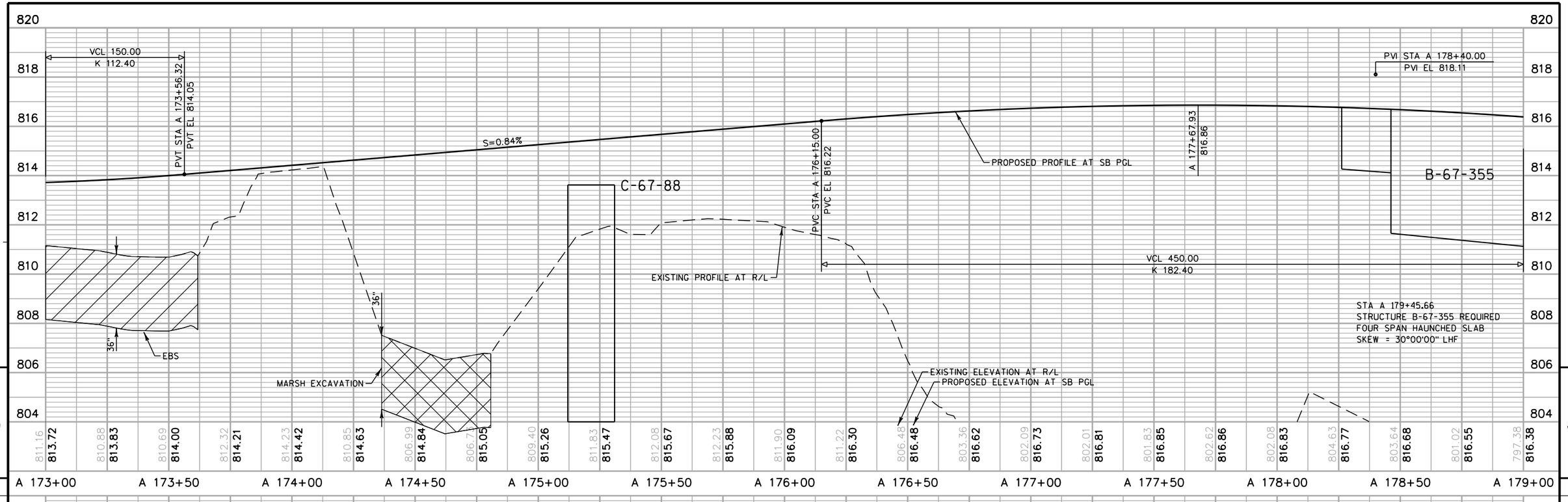
BENCHMARKS			
NUMBER	LOCATION	DESCRIPTION	ELEVATION
BM 745	STA 177+54.49, 171.81'RT	BM DISK SE WALL BRIDGE N. OF BIKE RAIL	809.46
BM 746	STA 174+79.29, 138.69'LT	BM RR SPK E. FACE PPOL SW QUAD OF RR TRACKS AND CTH TT	816.47

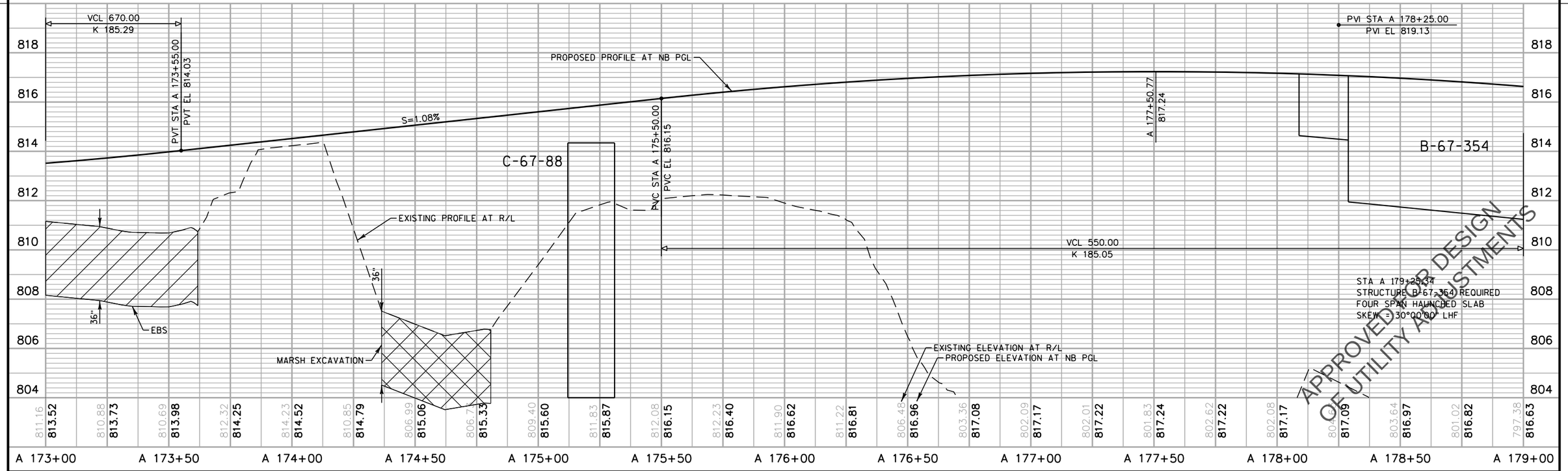
PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PLAN: WAUKESHA BYPASS	SHEET E

PRE_167

FILE NAME : F:\BM1-3324 USH 18 Bypass\5_Design\03_Roads\cds\by_050151_pp.dgn PLOT DATE : 11-APR-2016 16:28 PLOT BY : apacada PLOT NAME : PLOT SCALE : 40:1

WISDOT/CADDS SHEET 44





PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PROFILE: WAUKESHA BYPASS	SHEET E

PRE_168

PLE

SLOPE INTERCEPT, (TYP)

TLE

TLE

PROPOSED RW

PROPOSED RW

FUTURE PATH GRADING (TYP)

R/L WAUKESHA BYPASS

B-67-355

WAUKESHA BYPASS SB

A 180

A 181

A 182

A 183

A 184

A

179

MATCHLINE STA 179+00

MATCHLINE STA 185+00

WAUKESHA BYPASS NB

2'

2'

12'

12'

4'

12'

5'

12'

8'

10'

B-67-354

PROPOSED RW

TLE

PLE

TLE

PROPOSED RW

WETLAND DELINEATION (TYP)

OH

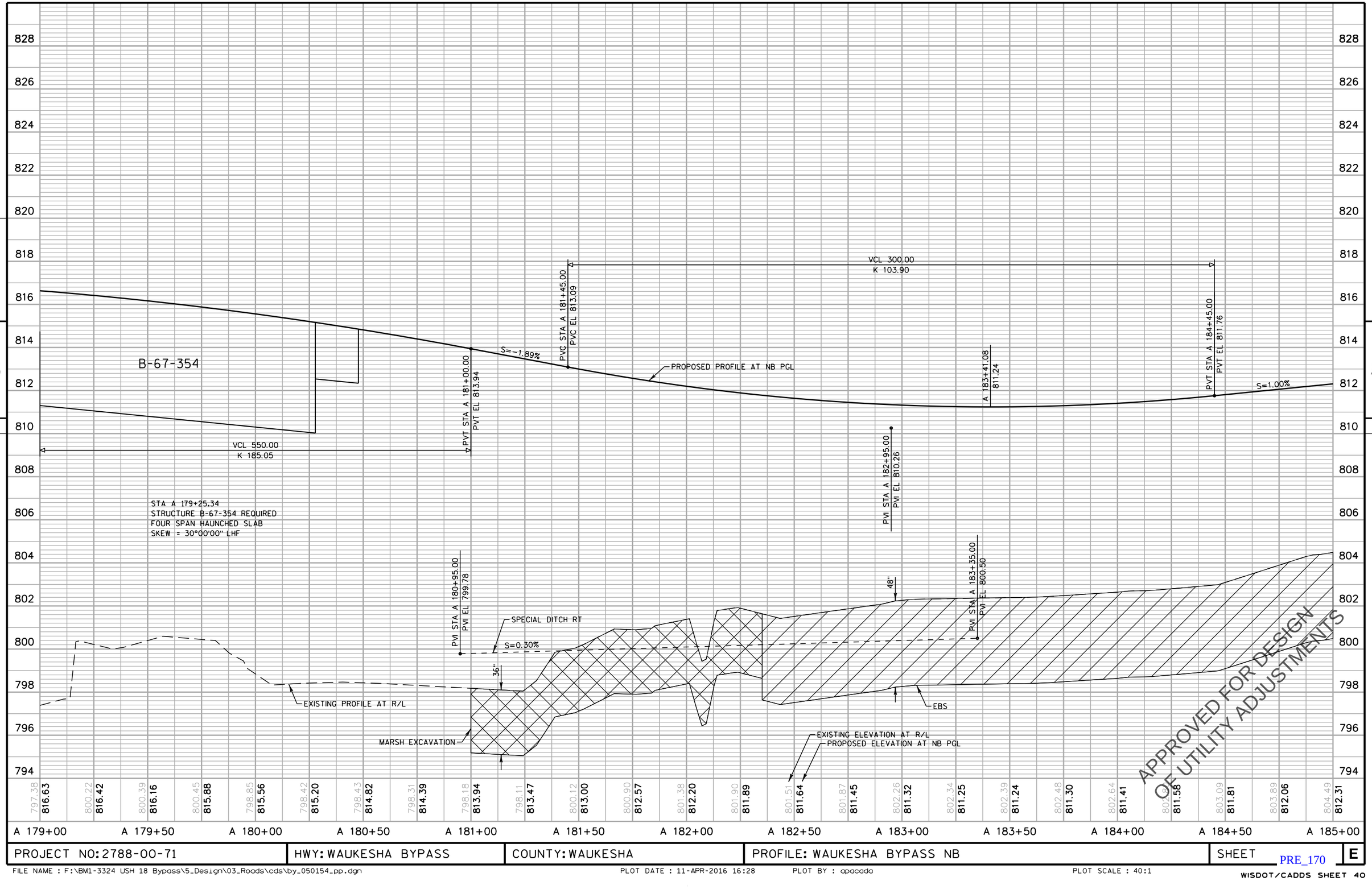
APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PLAN: WAUKESHA BYPASS	SHEET	E

PRE_169

FILE NAME : F:\BM1-3324 USH 18 Bypass\5_Design\03_Roads\cds\by_050153_pp.dgn PLOT DATE : 11-APR-2016 16:28 PLOT BY : apacada PLOT NAME : PLOT SCALE : 40:1

WISDOT/CADDS SHEET 44



PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PROFILE: WAUKESHA BYPASS NB	SHEET E

PRE_170

828
826
824
822
820
818
816
814
812
810
808
806
804
802
800
798
796
794

5

B-67-355

VCL 300.00
K 114.13

PVC STA A 181+25.00
PVC EL 813.46

S=-1.63%

PROPOSED PROFILE AT SB PGL

A 183+10.87
811.95

PVT STA A 184+25.00
PVT EL 812.52

S=1.00%

PVT STA A 180+65.00
PVT EL 814.44

VCL 450.00
K 182.40

PVI STA A 182+75.00
PVI EL 811.02

STA A 179+45.66
STRUCTURE B-67-355 REQUIRED
FOUR SPAN HAUNCHED SLAB
SKEW = 30°00'00" LHF

48"

36"

EXISTING PROFILE AT R/L

MARSH EXCAVATION

EBS

EXISTING ELEVATION AT R/L
PROPOSED ELEVATION AT SB PGL

APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS

| | | |

TLE

TLE

PLE

PLE

PROPOSED RW

SLOPE INTERCEPT, (TYP)

FUTURE PATH GRADING (TYP)

R/L WAUKESHA BYPASS

WAUKESHA BYPASS SB

WAUKESHA BYPASS NB

A 186

A 187

A 188

A 189

A 190

MATCHLINE STA 185+00

MATCHLINE STA 191+00

85

51

52

MACARTHUR RD

CTR 40'R
STA A 185+47.75, 96.0'RT =
STA 50+96.79, 55.0'RT

CTR 30'R
STA A 186+61.82, 81.0'RT =
STA 50+81.76, 54.0'LT

R/L MACARTHUR RD

PROPOSED RW

TLE

WETLAND DELINEATION (TYP)

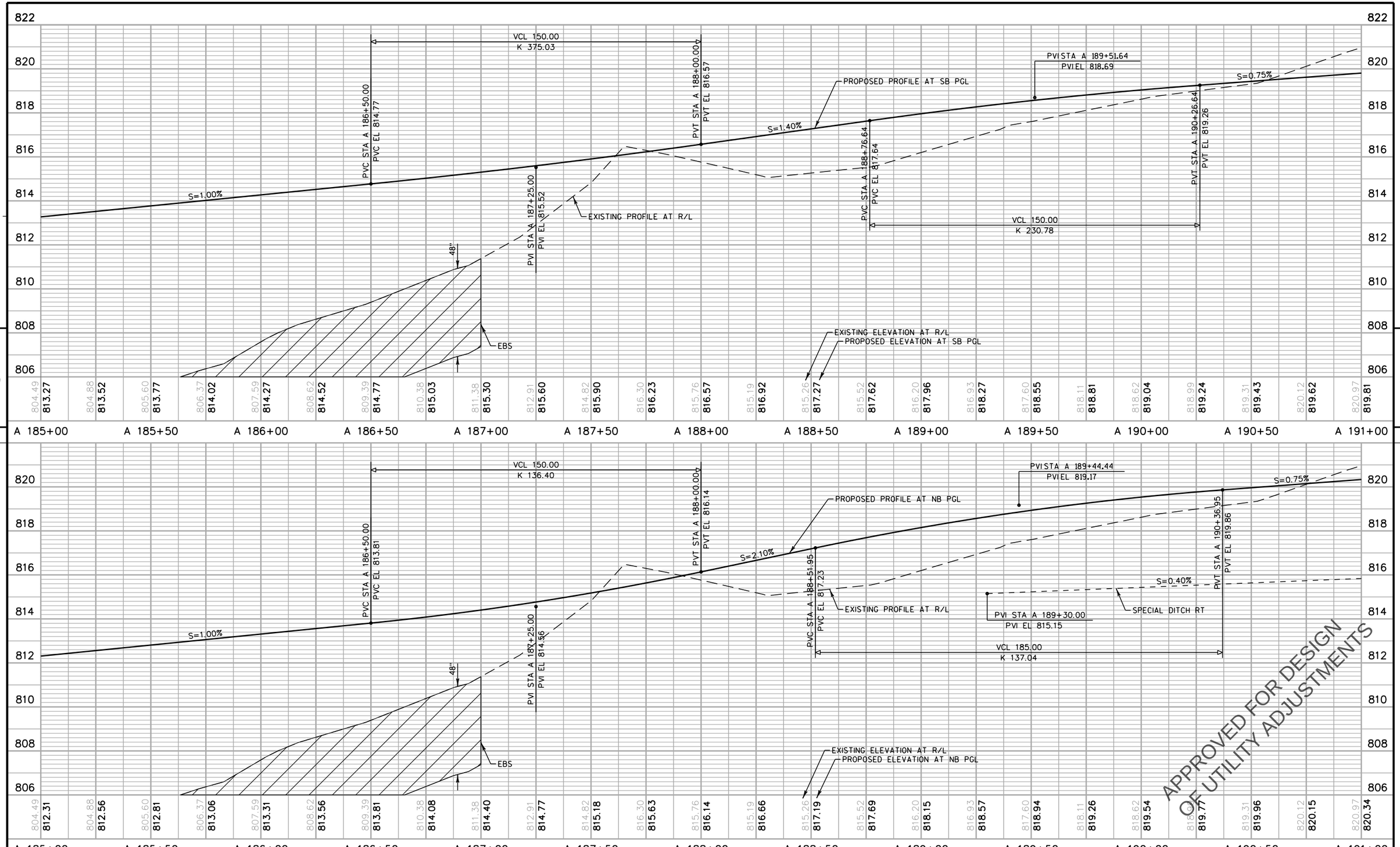
APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PLAN: WAUKESHA BYPASS	SHEET	E

PRE_172

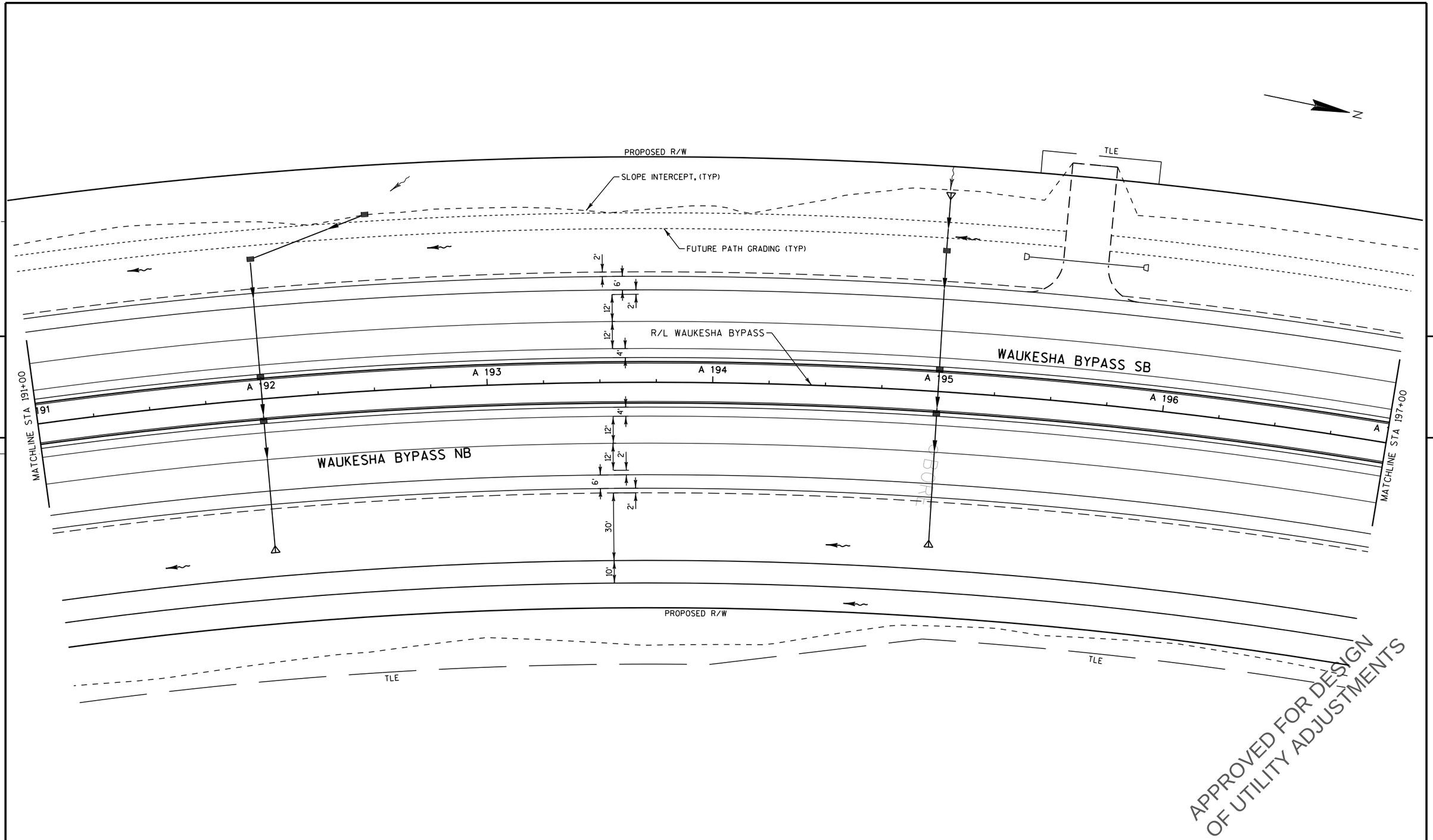
FILE NAME : F:\BM1-3324 USH 18 Bypass\5_Design\03_Roads\cds\by_050156_pp.dgn PLOT DATE : 11-APR-2016 16:29 PLOT BY : apacada PLOT NAME : PLOT SCALE : 40:1

WISDOT/CADDS SHEET 44



PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PROFILE: WAUKESHA BYPASS	SHEET	E

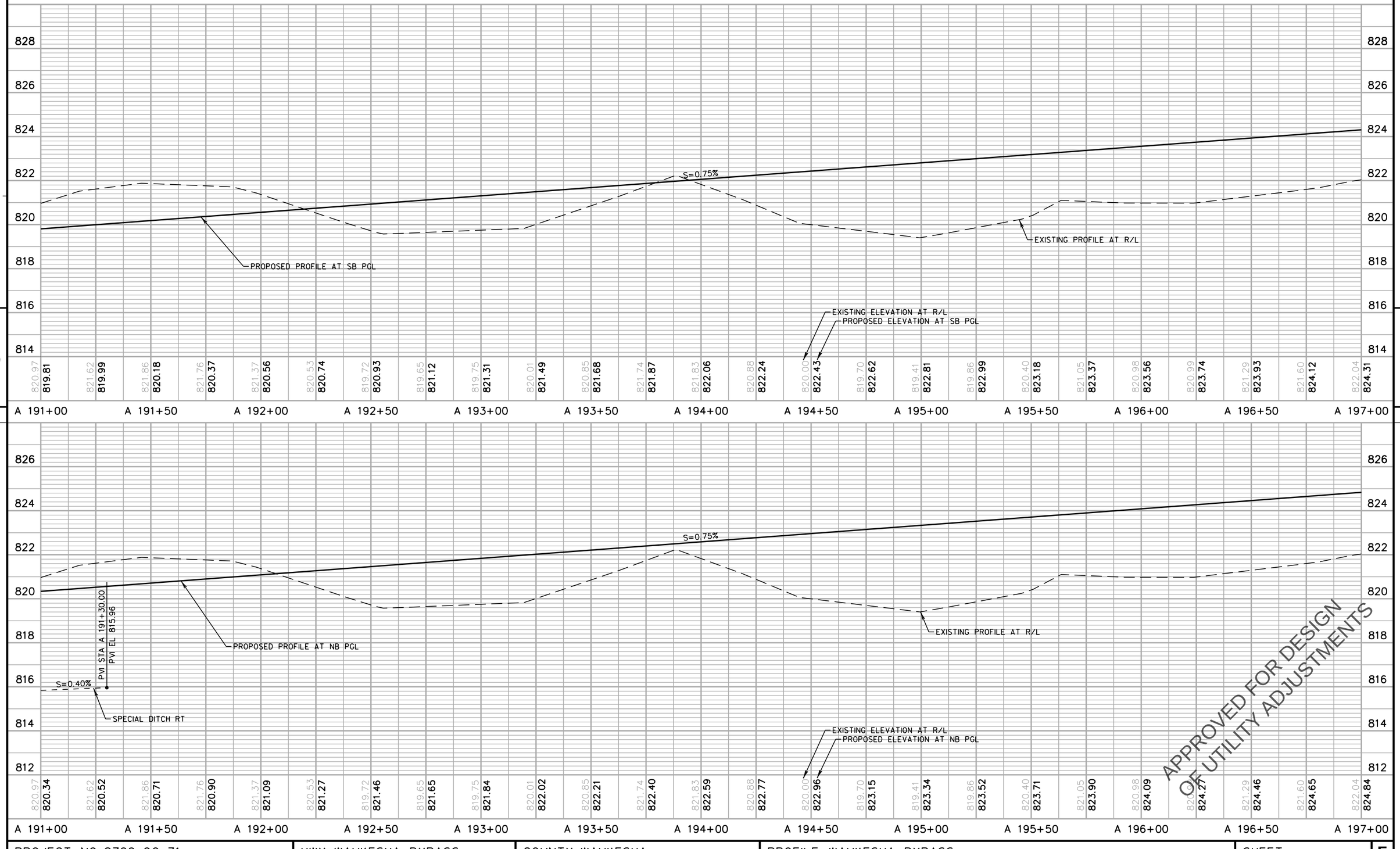
PRE_173



PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PLAN: WAUKESHA BYPASS	SHEET	E

PRE_174

FILE NAME : F:\BM1-3324 USH 18 Bypass\5_Design\03_Roads\cds\by_050158_pp.dgn PLOT DATE : 11-APR-2016 16:29 PLOT BY : apacada PLOT NAME : PLOT SCALE : 40:1

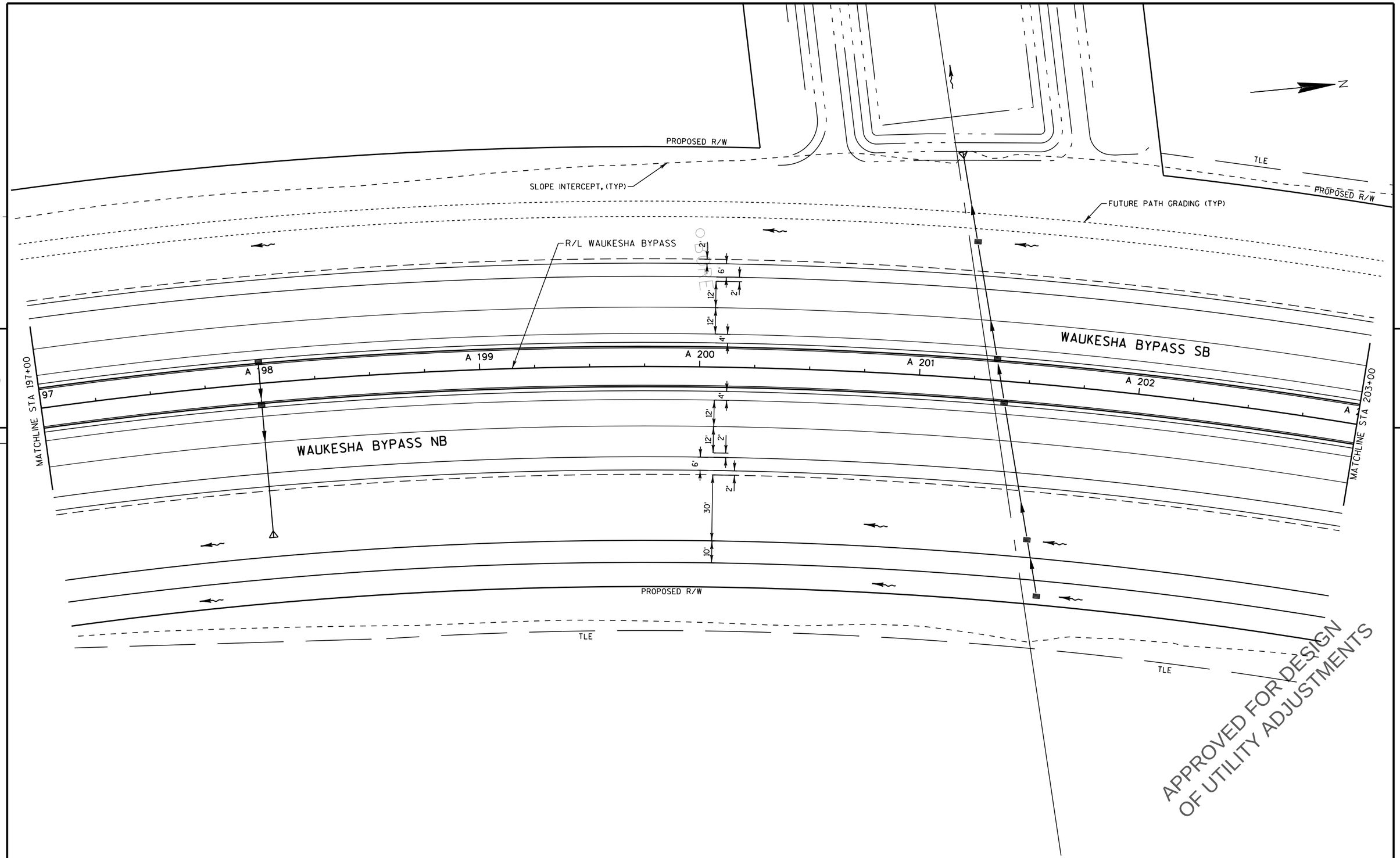


PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PROFILE: WAUKESHA BYPASS	SHEET E

PRE_175

FILE NAME : F:\BM1-3324 USH 18 Bypass\5_Design\03_Roads\cds\by_050159_pp.dgn PLOT DATE : 11-APR-2016 16:29 PLOT BY : apacada PLOT NAME : PLOT SCALE : 40:1

WISDOT/CADDS SHEET 30

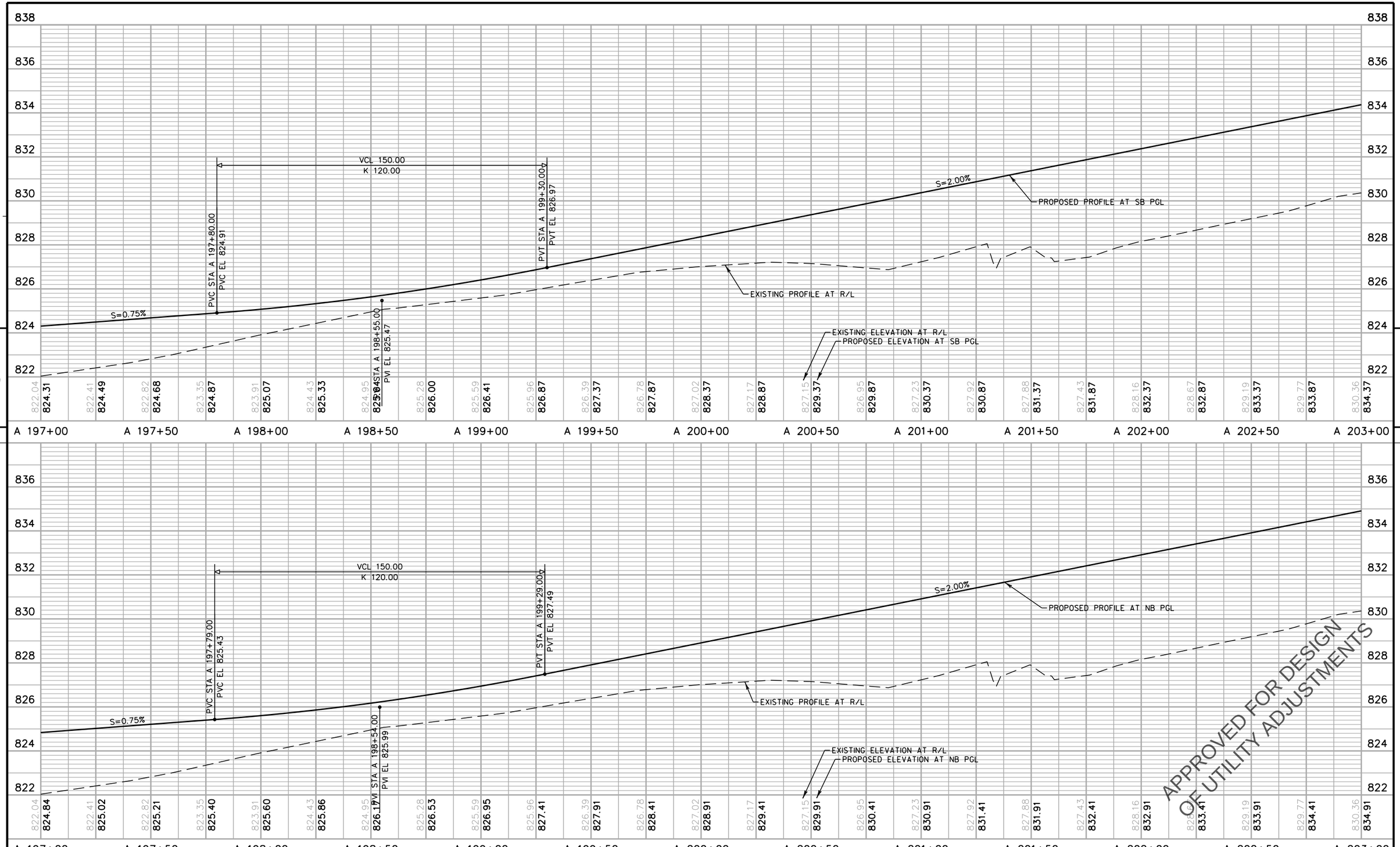


PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PLAN: WAUKESHA BYPASS	SHEET E

PRE_176

FILE NAME : F:\BM1-3324 USH 18 Bypass\5_Design\03_Roads\cds\by_050160_pp.dgn PLOT DATE : 11-APR-2016 16:29 PLOT BY : apacada PLOT NAME : PLOT SCALE : 40:1

WISDOT/CADDS SHEET 44

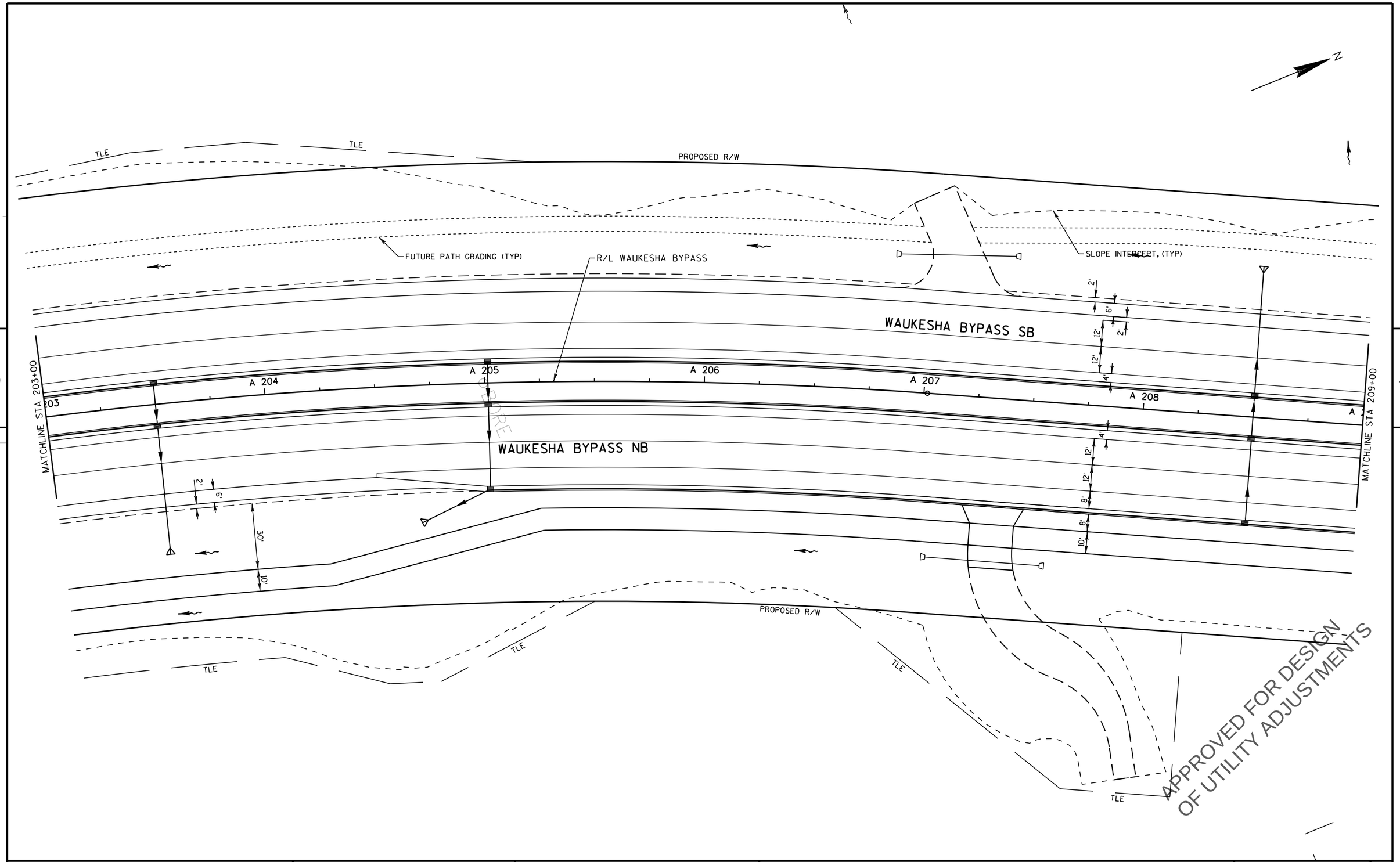


PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PROFILE: WAUKESHA BYPASS	SHEET E

PRE_177

FILE NAME : F:\BM1-3324 USH 18 Bypass\5_Design\03_Roads\cds\by_050161_pp.dgn PLOT DATE : 11-APR-2016 16:29 PLOT BY : apacada PLOT NAME : PLOT SCALE : 40:1

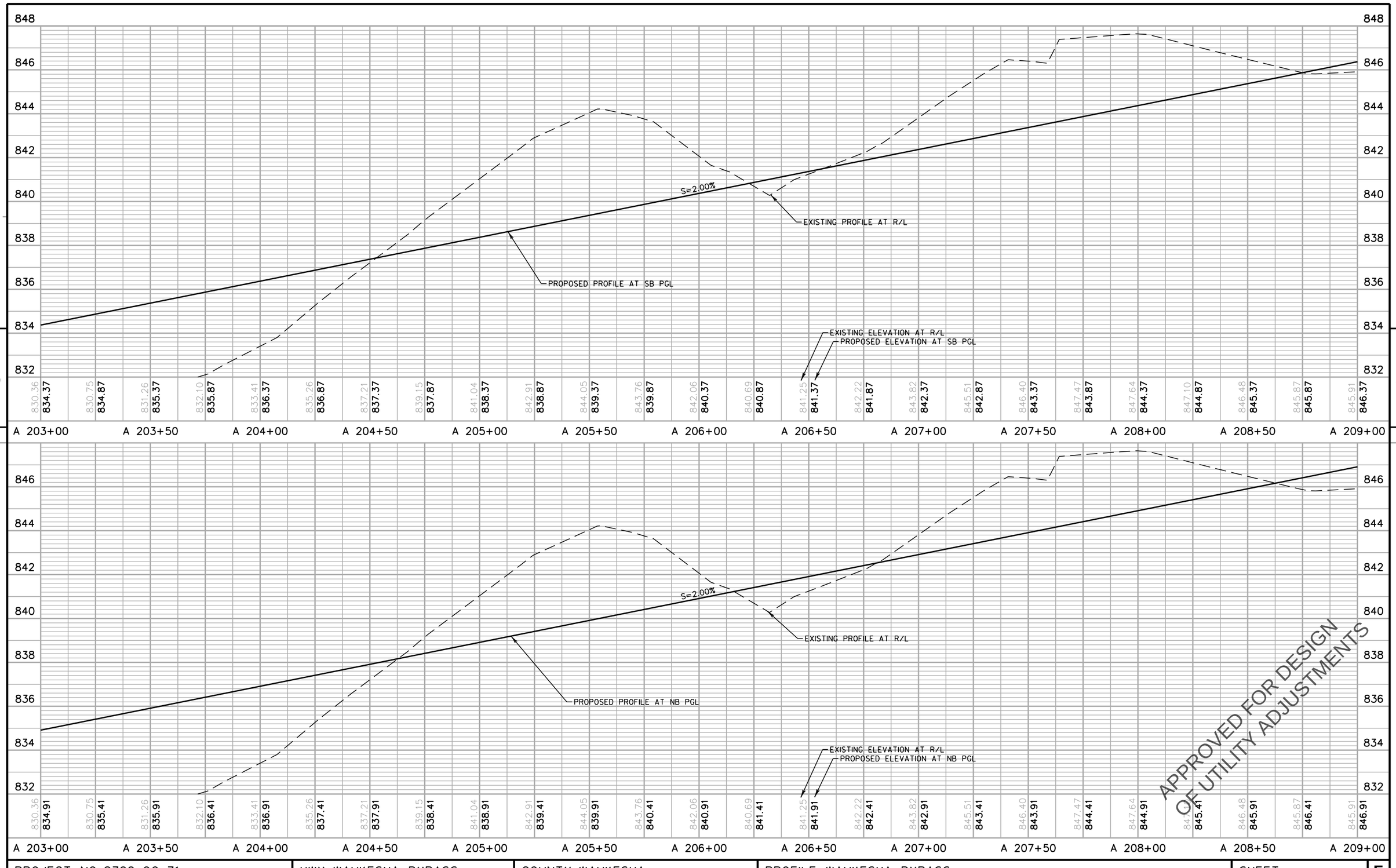
WISDOT/CADDS SHEET 30



PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PLAN: WAUKESHA BYPASS	SHEET	E

PRE_178

FILE NAME : F:\BM1-3324 USH 18 Bypass\5_Design\03_Roads\cds\by_050162_pp.dgn PLOT DATE : 11-APR-2016 16:29 PLOT BY : apacada PLOT NAME : PLOT SCALE : 40:1



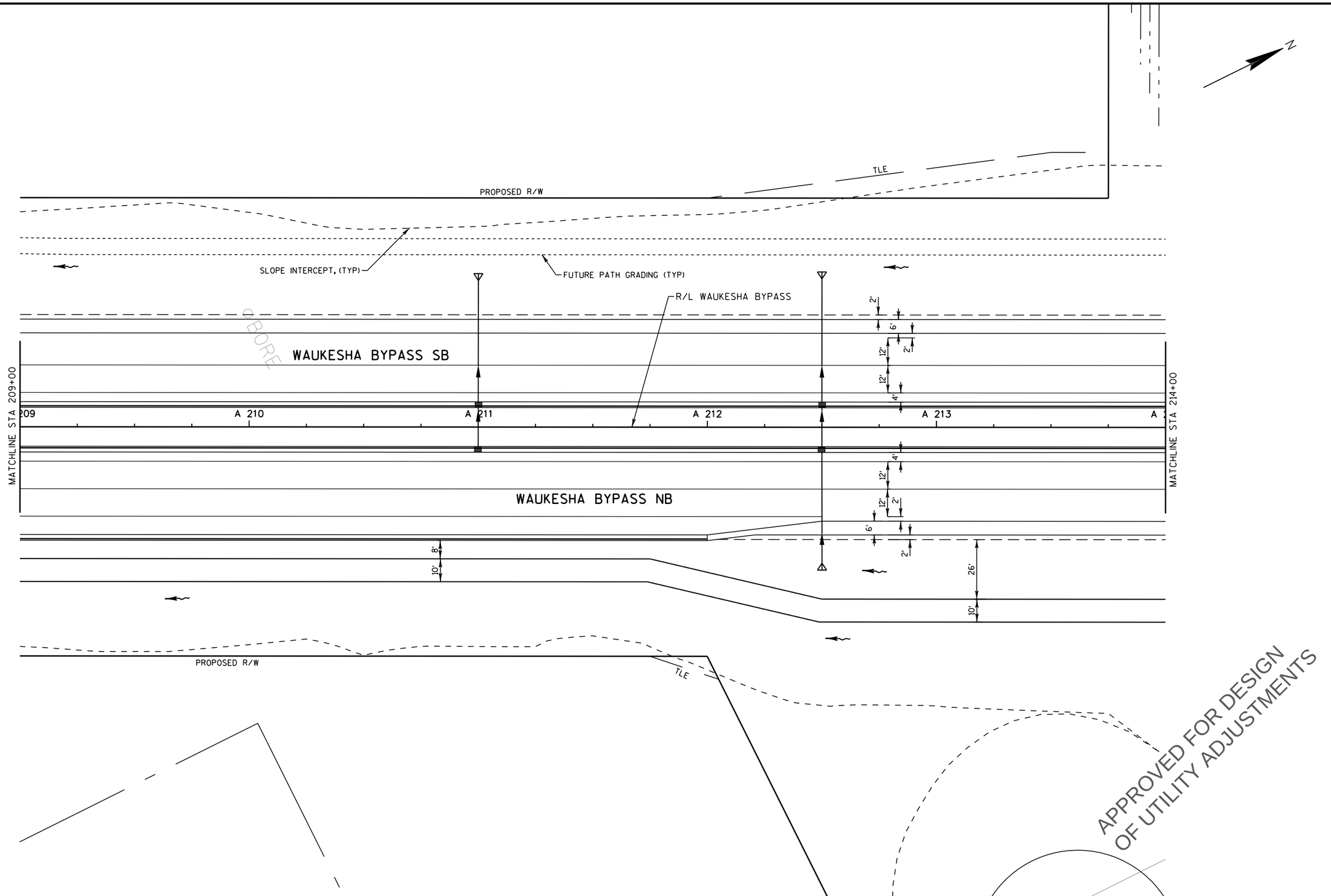
APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PROFILE: WAUKESHA BYPASS	SHEET	E

PRE_179

FILE NAME : F:\BM1-3324 USH 18 Bypass\5_Design\03_Roads\cds\by_050163_pp.dgn PLOT DATE : 11-APR-2016 16:29 PLOT BY : apacada PLOT NAME : PLOT SCALE : 40:1

WISDOT/CADDS SHEET 30

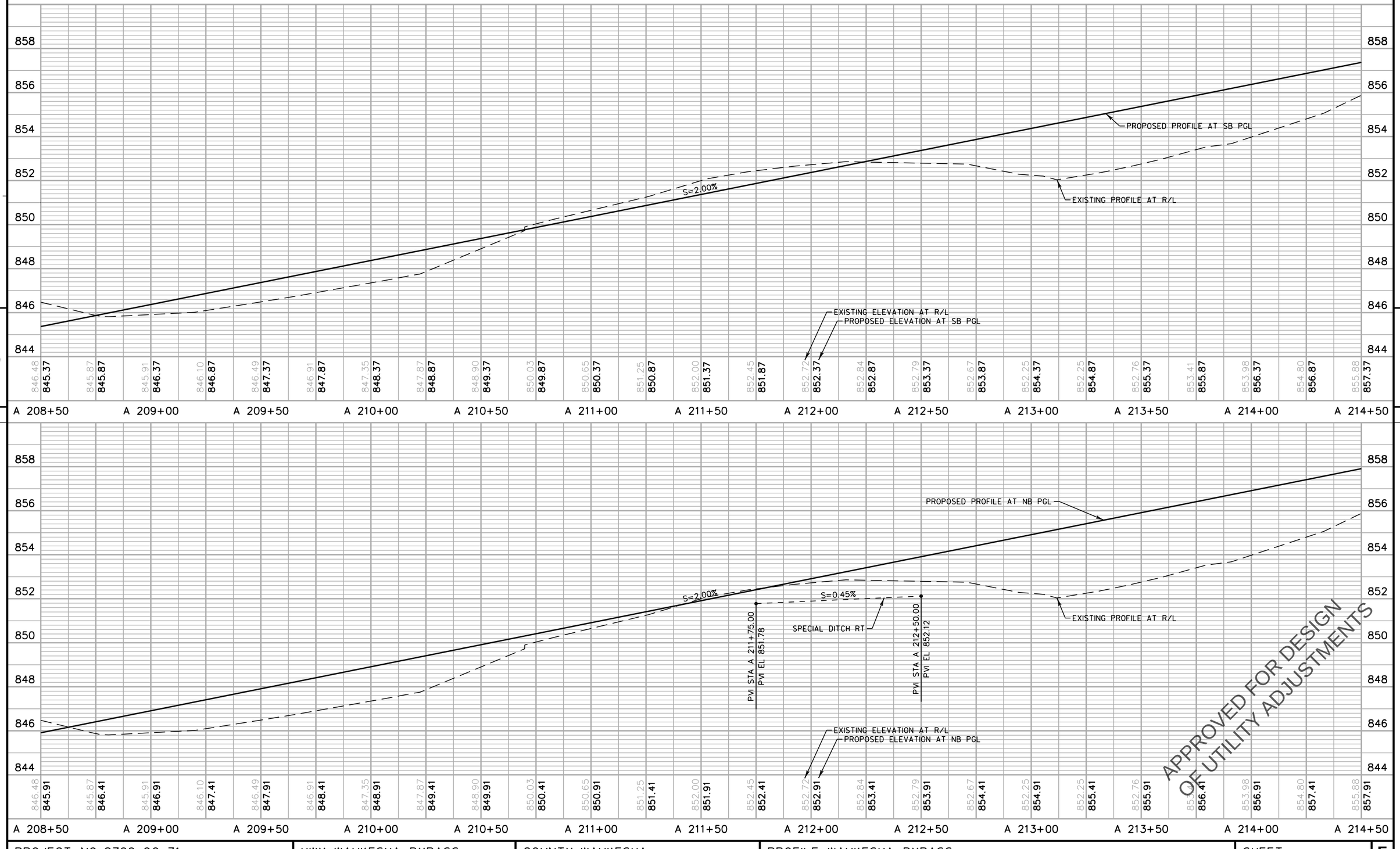


PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PLAN: WAUKESHA BYPASS	SHEET E

PRE_180

FILE NAME : F:\BM1-3324 USH 18 Bypass\5_Design\03_Roads\cds\by_050164_pp.dgn PLOT DATE : 11-APR-2016 16:29 PLOT BY : apacada PLOT NAME : PLOT SCALE : 40:1

WISDOT/CADDS SHEET 44



PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PROFILE: WAUKESHA BYPASS	SHEET E

PRE_181

N

SLOPE INTERCEPT, (TYP)

FUTURE PATH GRADING (TYP)

R/L WAUKESHA BYPASS

WAUKESHA BYPASS SB

WAUKESHA BYPASS NB

MATCHLINE STA 214+00

MATCHLINE STA 219+00

A 214 A 215 A 216 A 217 A 218 A 219

2' 6' 12' 2' 12' 4'

2' 6' 2' 26' 10'

12' 4' 12' 8' 8' 10'

12' 4'

O'BORE

PROPOSED R/W

DON TAYLOR

APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS

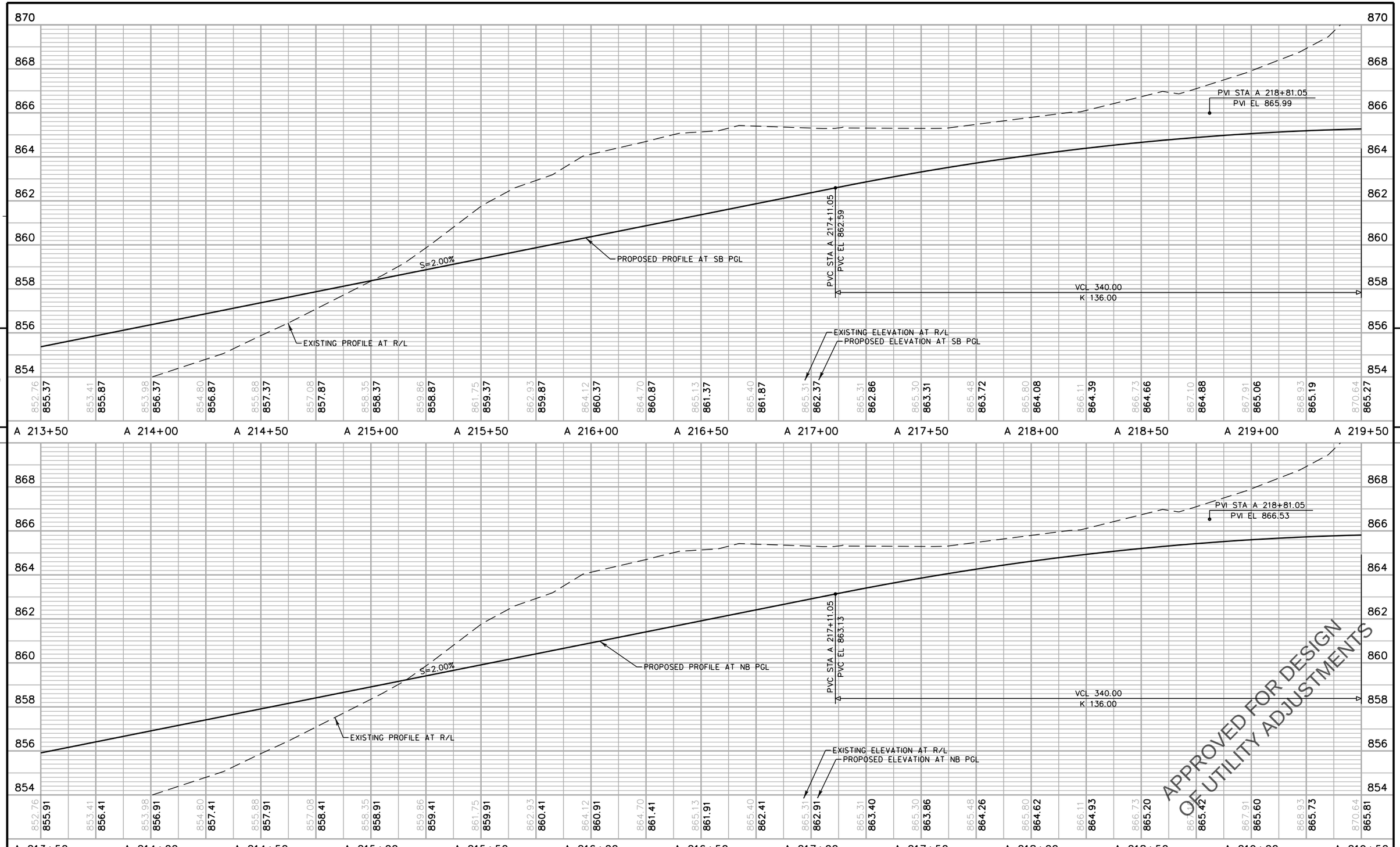
5

5

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PLAN: WAUKESHA BYPASS	SHEET E

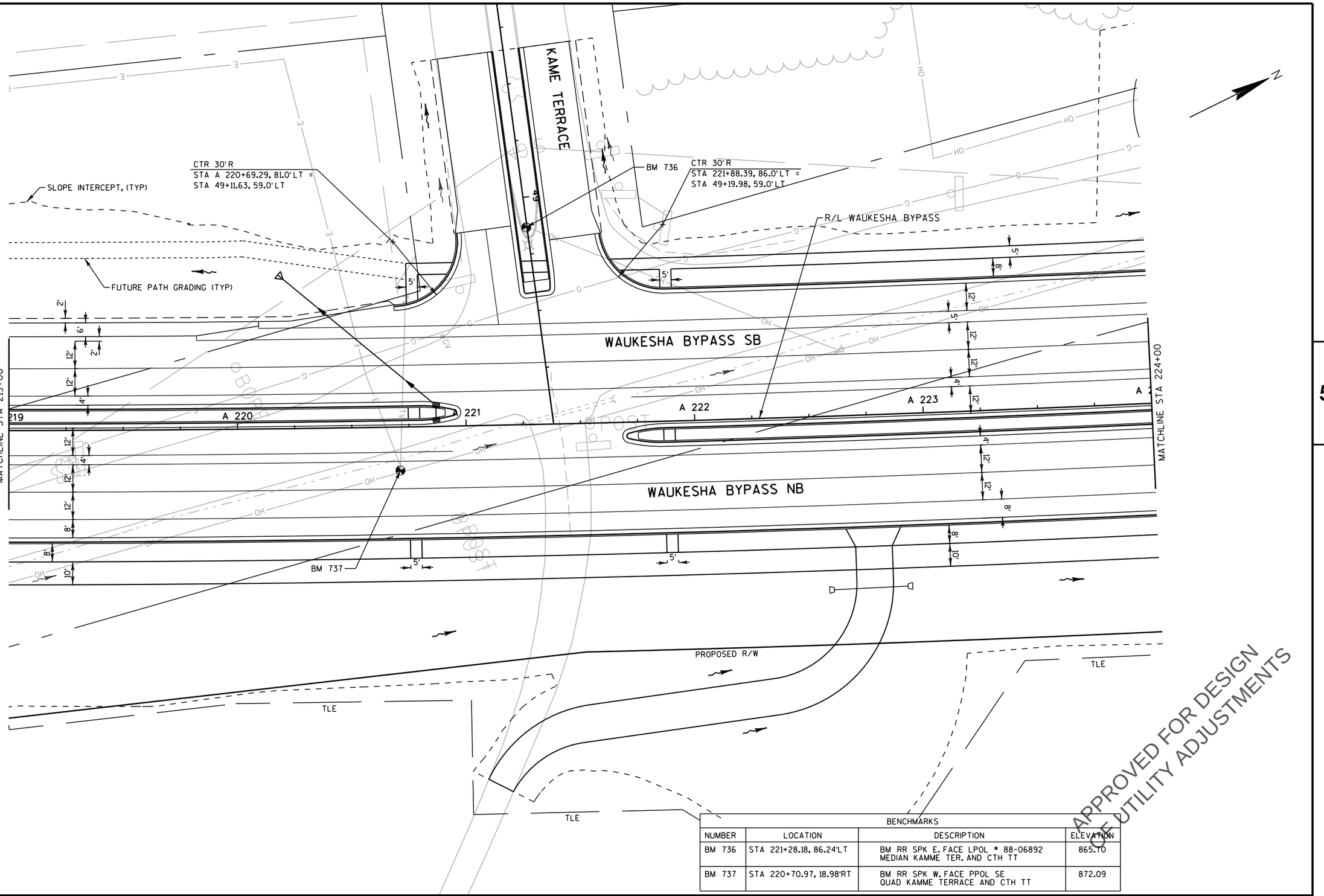
PRE_182

FILE NAME : F:\BM1-3324 USH 18 Bypass\5_Design\03_Roads\cds\by_050166_pp.dgn PLOT DATE : 11-APR-2016 16:29 PLOT BY : apacada PLOT NAME : PLOT SCALE : 40:1



PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PROFILE: WAUKESHA BYPASS	SHEET E

PRE_183



BENCHMARKS			
NUMBER	LOCATION	DESCRIPTION	ELEVATION
BM 736	STA 221+28.18, 86.24'LT	BM RR SPK E. FACE LPOL ≈ 88-06892 MEDIAN KAMME TER. AND CTH TT	865.70
BM 737	STA 220+70.97, 18.98'RT	BM RR SPK W. FACE PPOL SE QUAD KAMME TERRACE AND CTH TT	872.09

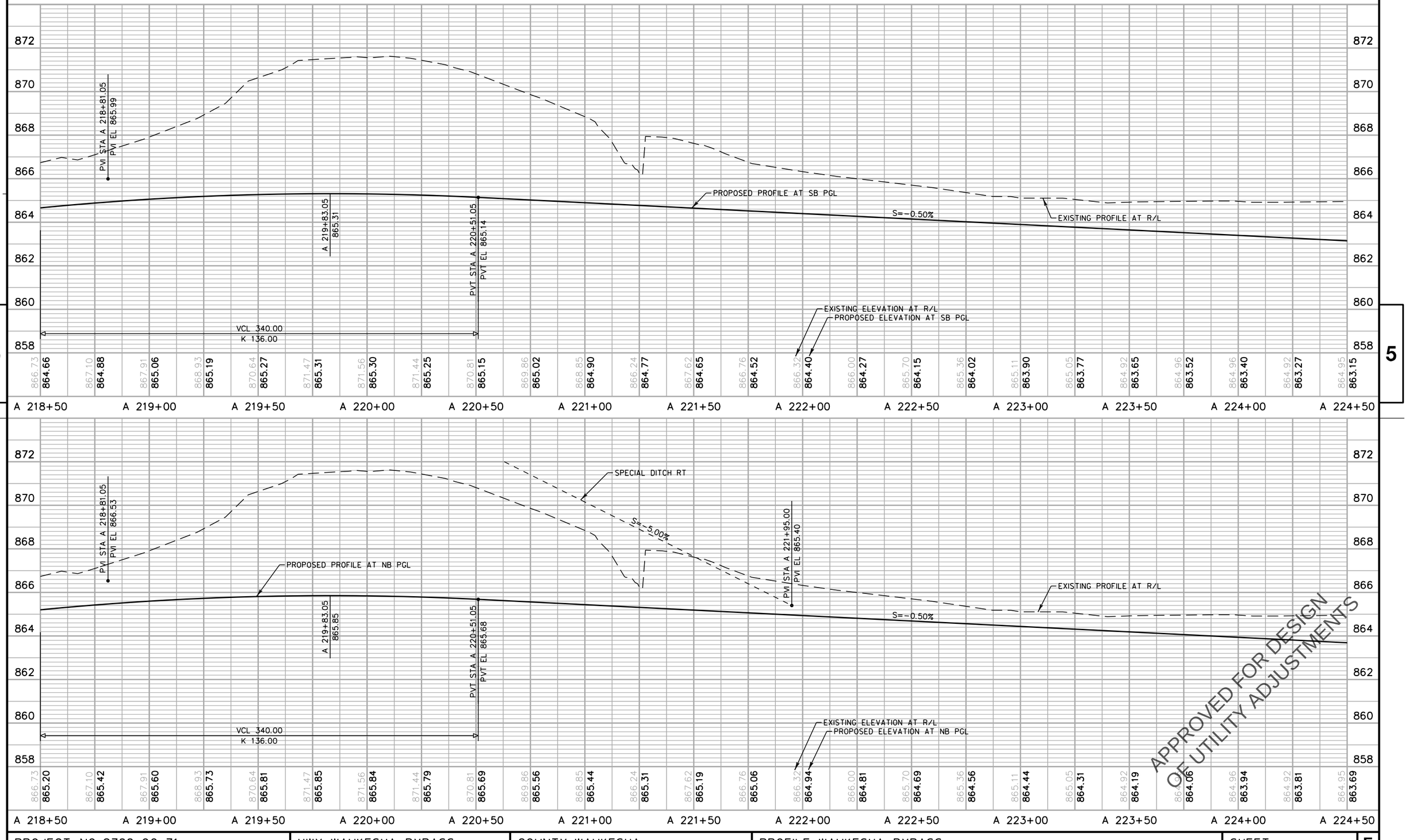
APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PLAN: WAUKESHA BYPASS	SHEET	E

PRE_184

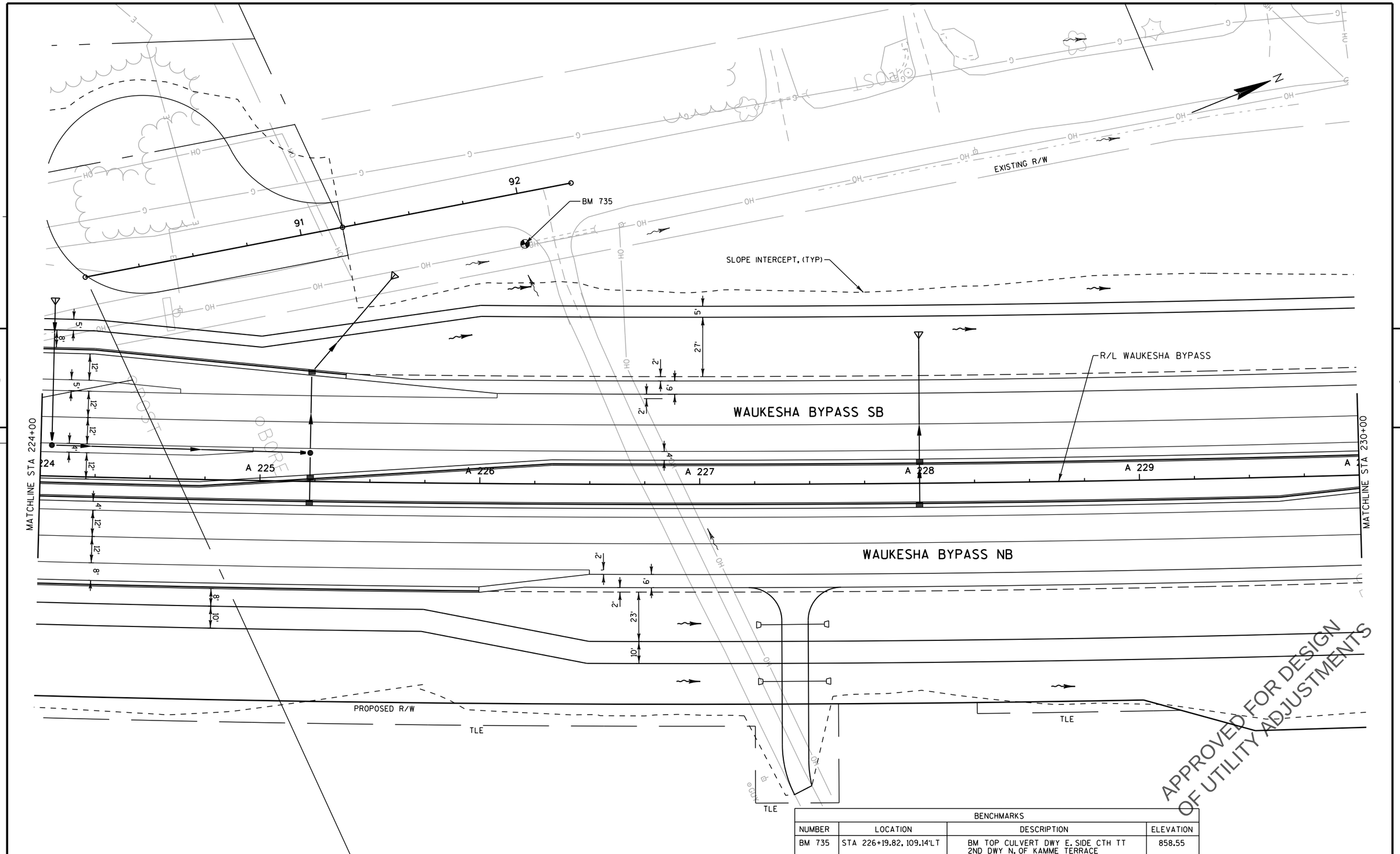
FILE NAME : F:\BM1-3324 USH 18 Bypass\5_Design\03_Roads\cds\by_050168_pp.dgn PLOT DATE : 11-APR-2016 16:29 PLOT BY : apacada PLOT NAME : PLOT SCALE : 40:1

WISDOT/CADDS SHEET 44



PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PROFILE: WAUKESHA BYPASS	SHEET E

PRE_185



BENCHMARKS			
NUMBER	LOCATION	DESCRIPTION	ELEVATION
BM 735	STA 226+19.82, 109.14'LT	BM TOP CULVERT DWY E. SIDE CTH TT 2ND DWY N. OF KAMME TERRACE	858.55

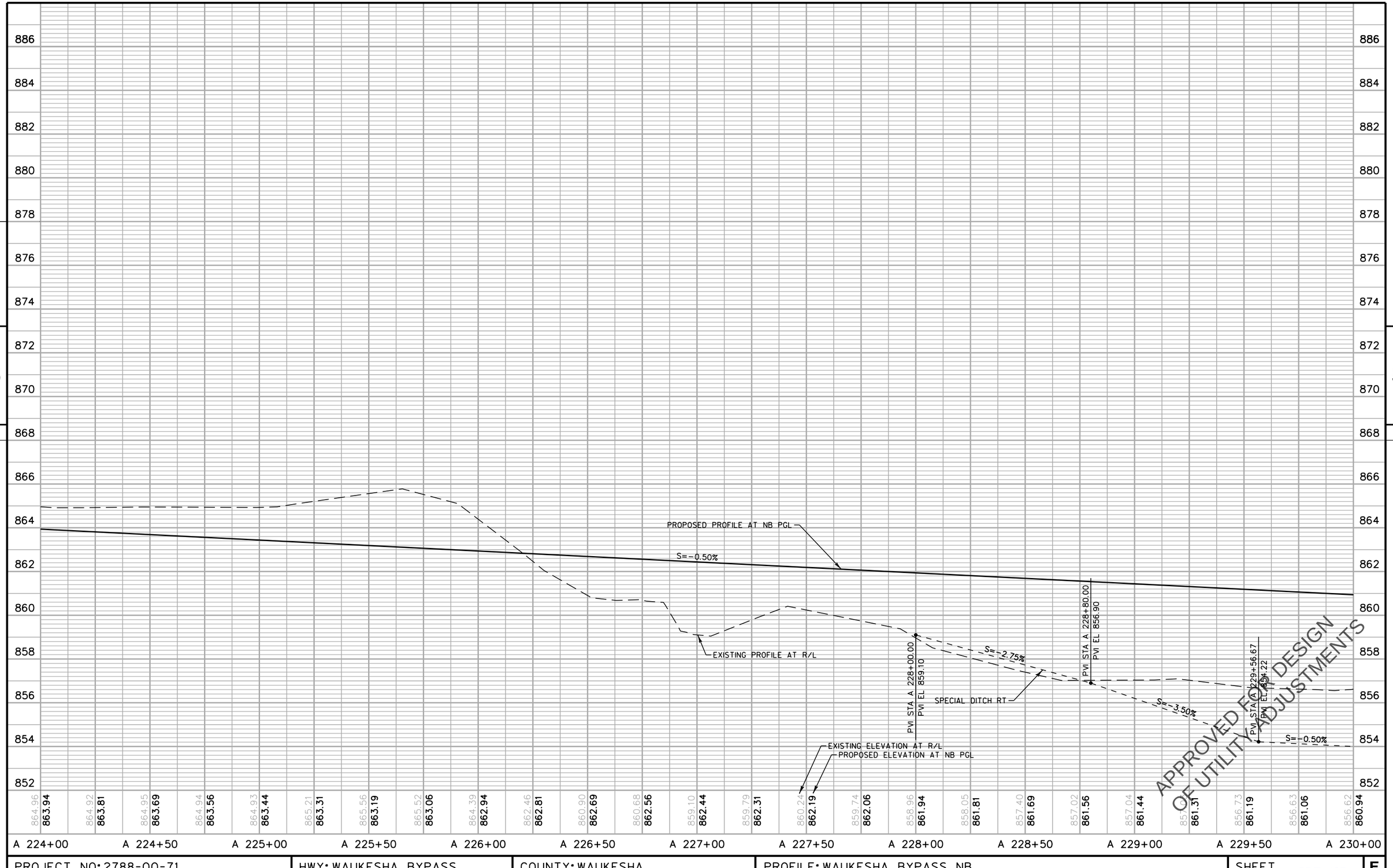
APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PLAN: WAUKESHA BYPASS	SHEET	E

PRE_186

FILE NAME : F:\BM1-3324 USH 18 Bypass\5_Design\03_Roads\cds\by_050170_pp.dgn PLOT DATE : 11-APR-2016 16:29 PLOT BY : apacada PLOT NAME : PLOT SCALE : 40:1

WISDOT/CADDS SHEET 44



PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PROFILE: WAUKESHA BYPASS NB	SHEET E

PRE_187

886
884
882
880
878
876
874
872
870
868
866
864
862
860
858
856
854
852

S=-0.50%

PROPOSED PROFILE AT SB PGL

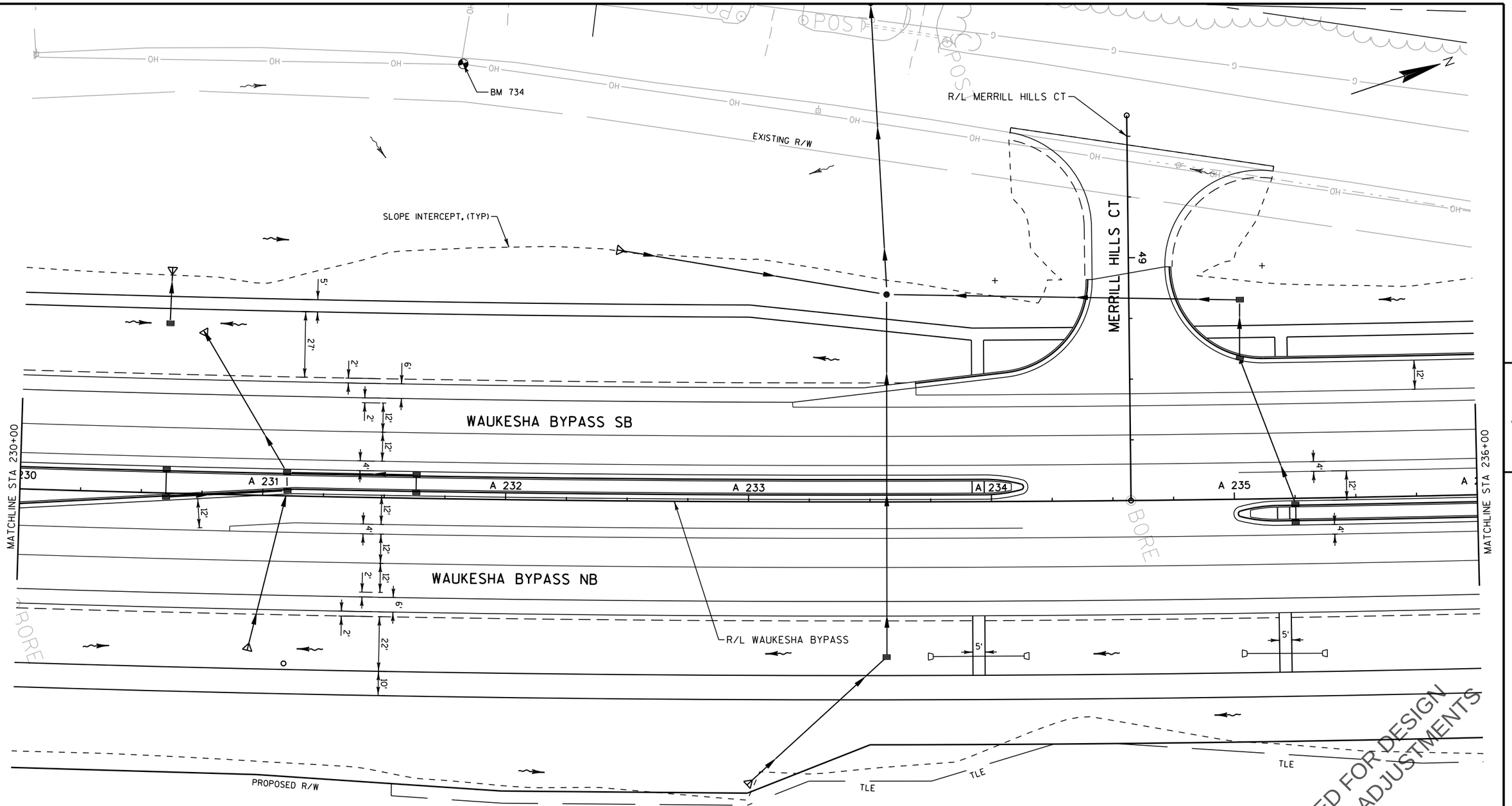
EXISTING PROFILE AT R/L

EXISTING ELEVATION AT R/L

PROPOSED ELEVATION AT SB PGL

APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS

| | | |



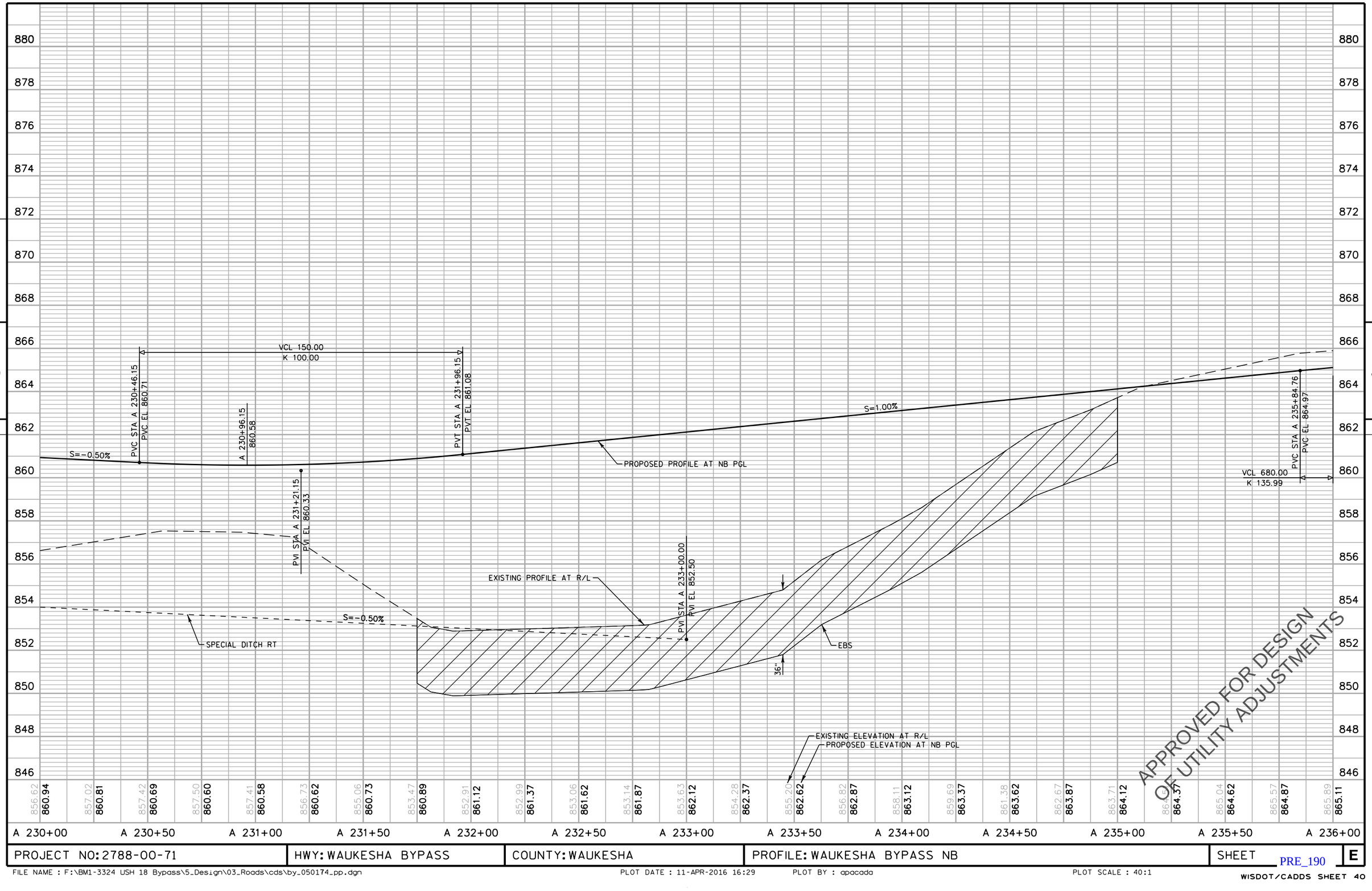
BENCHMARKS			
NUMBER	LOCATION	DESCRIPTION	ELEVATION
BM 734	STA 231+79.88, 179.18'LT	BM RR SPK PPOL 62-2905 60-2 E. SIDE CTH TT	858.62

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PLAN: WAUKESHA BYPASS	SHEET	E

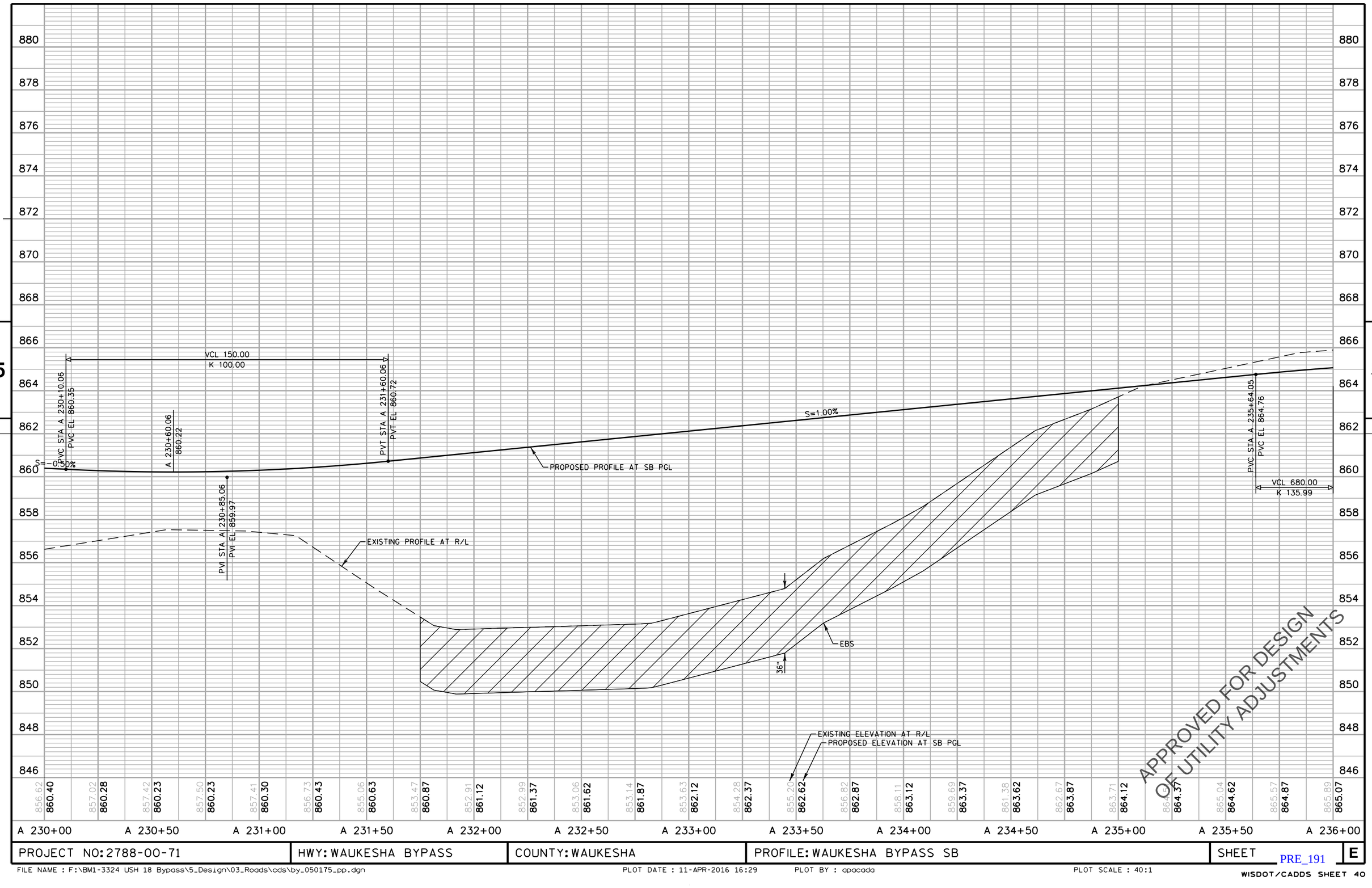
PRE_189

FILE NAME : F:\BM1-3324 USH 18 Bypass\5_Design\03_Roads\cds\by_050173_pp.dgn PLOT DATE : 11-APR-2016 16:29 PLOT BY : apacada PLOT NAME : PLOT SCALE : 40:1

WISDOT/CADDS SHEET 44



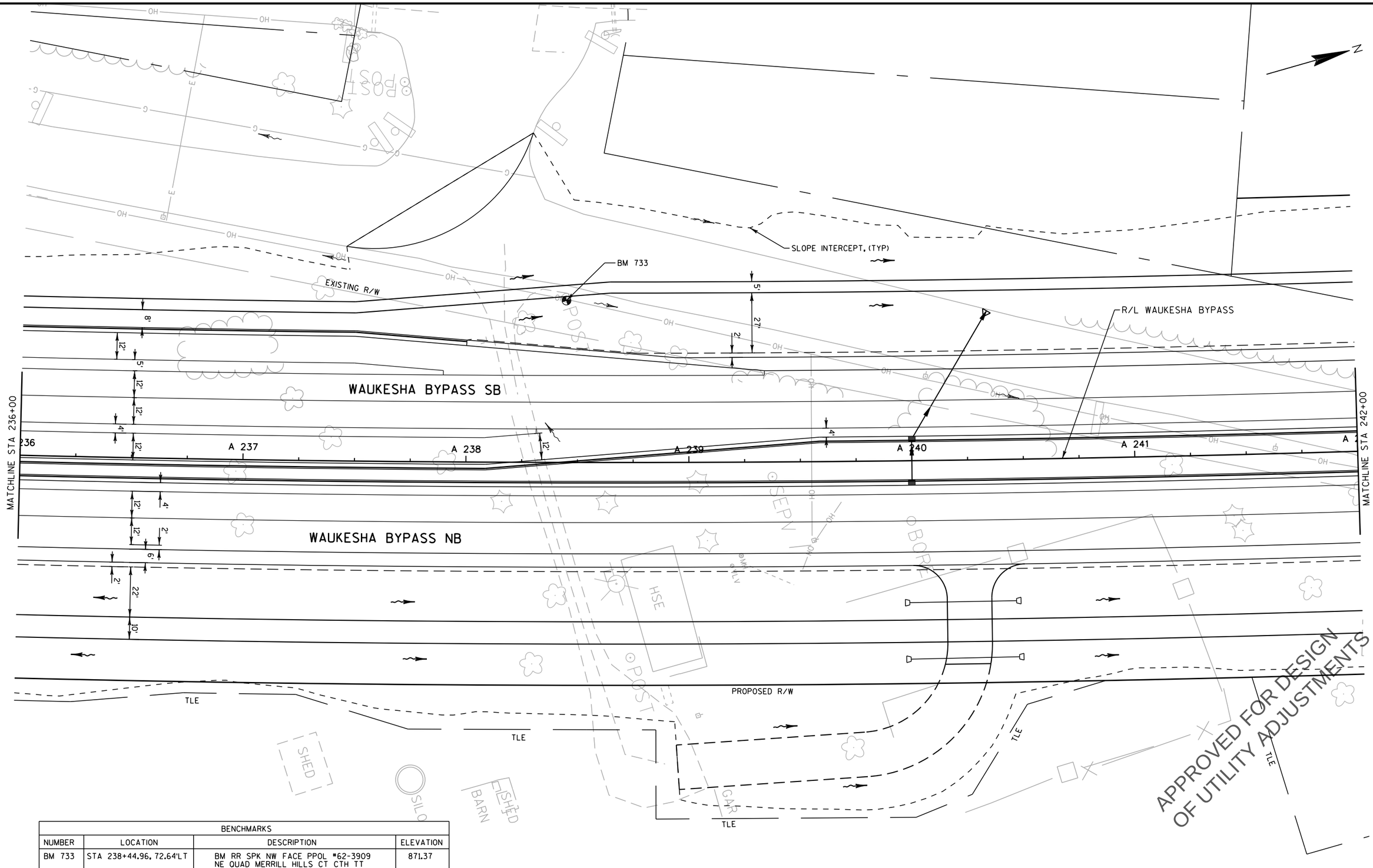
PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PROFILE: WAUKESHA BYPASS NB	SHEET	E



APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PROFILE: WAUKESHA BYPASS SB	SHEET E

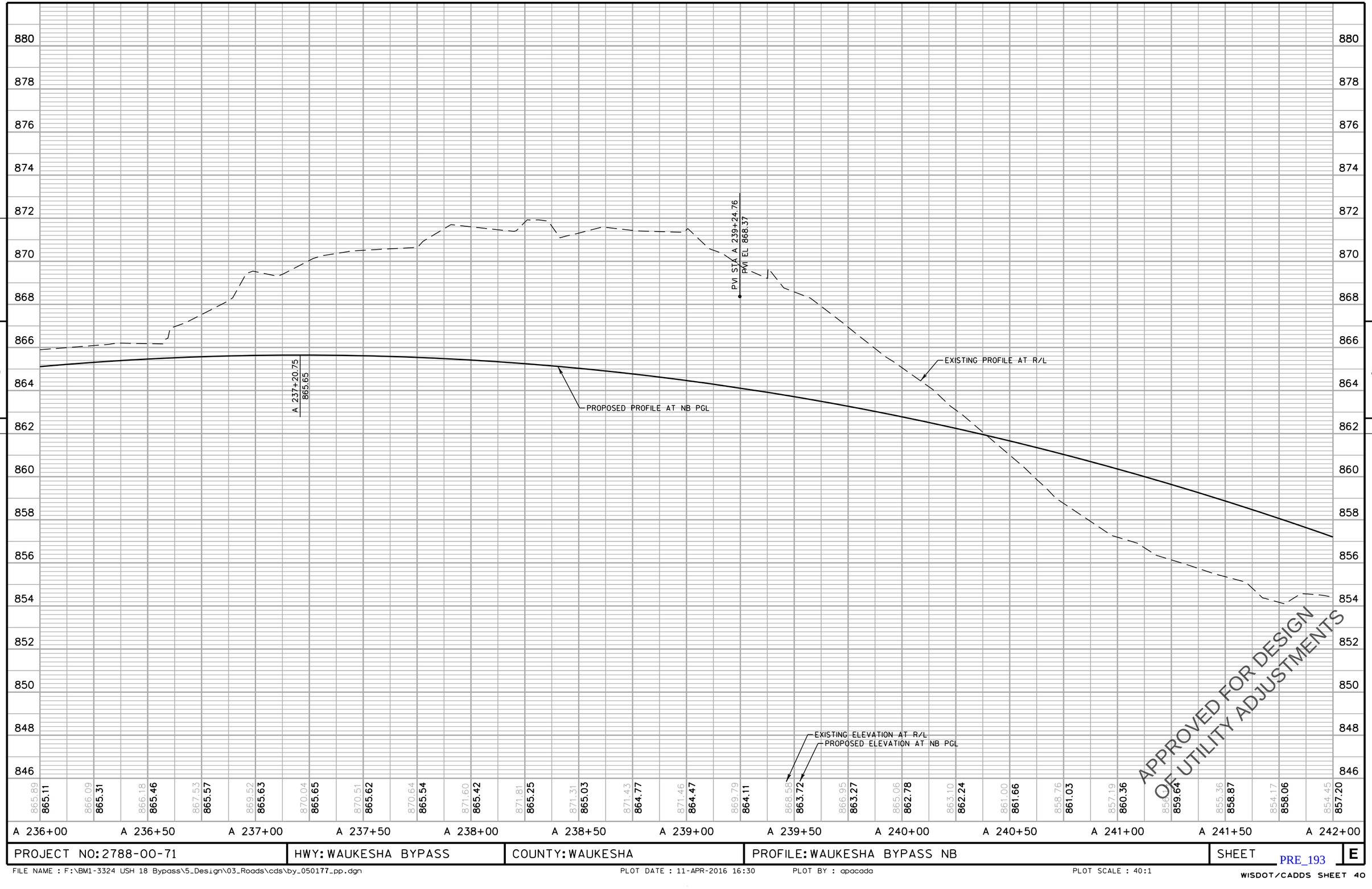
PRE_191



BENCHMARKS			
NUMBER	LOCATION	DESCRIPTION	ELEVATION
BM 733	STA 238+44.96, 72.64'LT	BM RR SPK NW FACE PPOL *62-3909 NE QUAD MERRILL HILLS CT CTH TT	871.37

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PLAN: WAUKESHA BYPASS	SHEET E

FILE NAME : F:\BM1-3324 USH 18 Bypass\5_Design\03_Roads\cds\by_050176_pp.dgn PLOT DATE : 11-APR-2016 16:29 PLOT BY : apacada PLOT NAME : PLOT SCALE : 40:1



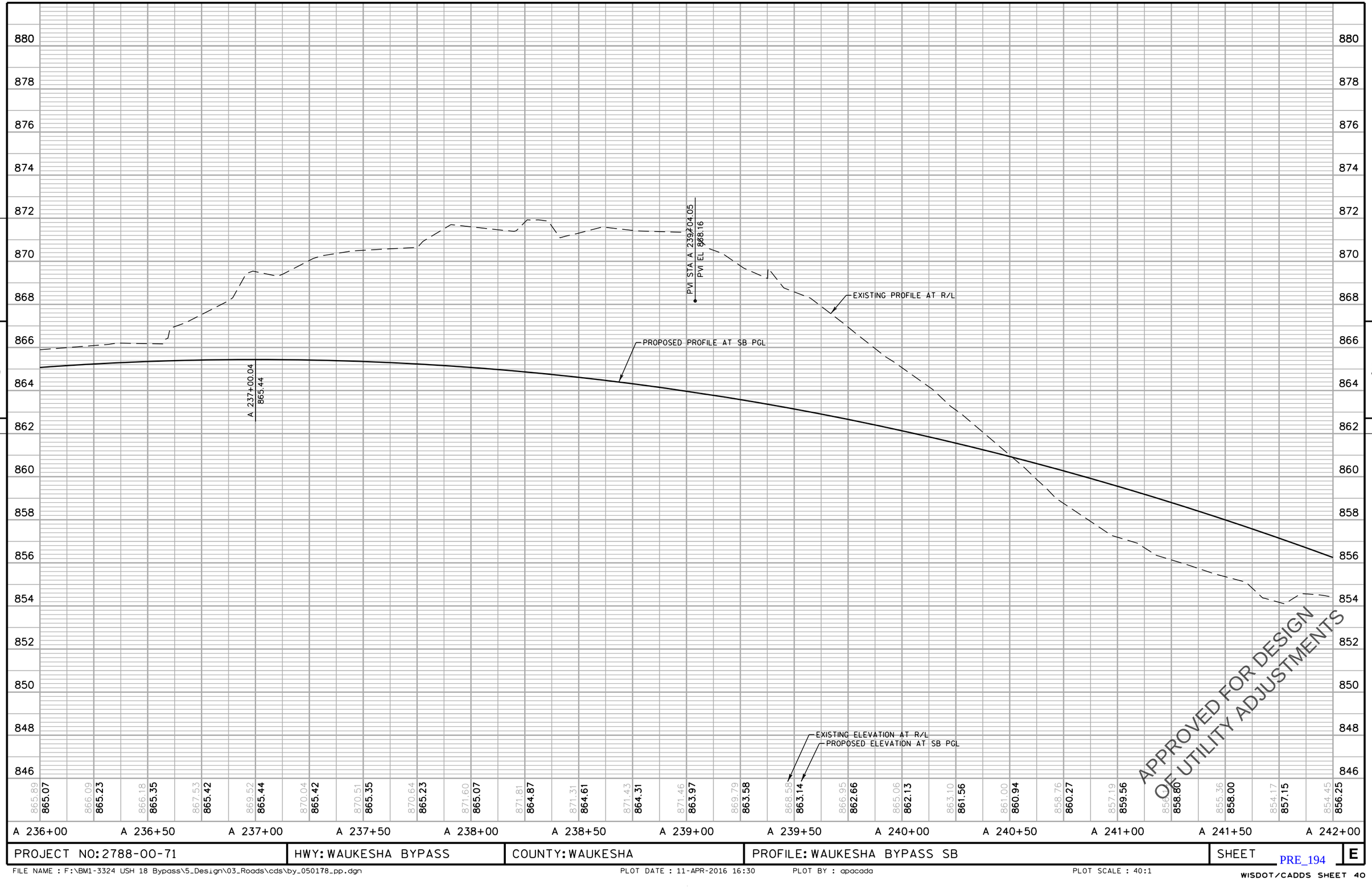
APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PROFILE: WAUKESHA BYPASS NB	SHEET E

PRE_193

FILE NAME : F:\BM1-3324 USH 18 Bypass\5_Design\03_Roads\cds\by_050177_pp.dgn PLOT DATE : 11-APR-2016 16:30 PLOT BY : apacada PLOT SCALE : 40:1

WISDOT/CADDS SHEET 40



PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PROFILE: WAUKESHA BYPASS SB	SHEET E

PRE_194

WETLAND DELINEATION (TYP)

EXISTING R/W

PROPOSED R/W

SLOPE INTERCEPT, (TYP)

C-67-91

R/L WAUKESHA BYPASS

WAUKESHA BYPASS SB

WAUKESHA BYPASS NB

MATCHLINE STA 242+00

MATCHLINE STA 247+00

A 243

A 244

A 245

A 246

BM 732

BM 731

HSE

PROPOSED R/W

TLE

5'
27'
2'
6'
2'
5'
8'
8'
12'
12'
4'
4'
12'
12'
2'
6'
2'
23'
10'
8'
8'

BENCHMARKS			
NUMBER	LOCATION	DESCRIPTION	ELEVATION
BM 731	STA 245+30.09, 84.26'RT	BM CH X SE WALL BOX CULVERT OVER CREEK	838.95
BM 732	STA 242+52.09, 85.66'RT	BM SW CORNER CONC SLAB SW CORNER OF HOUSE *W270 S1920	856.12

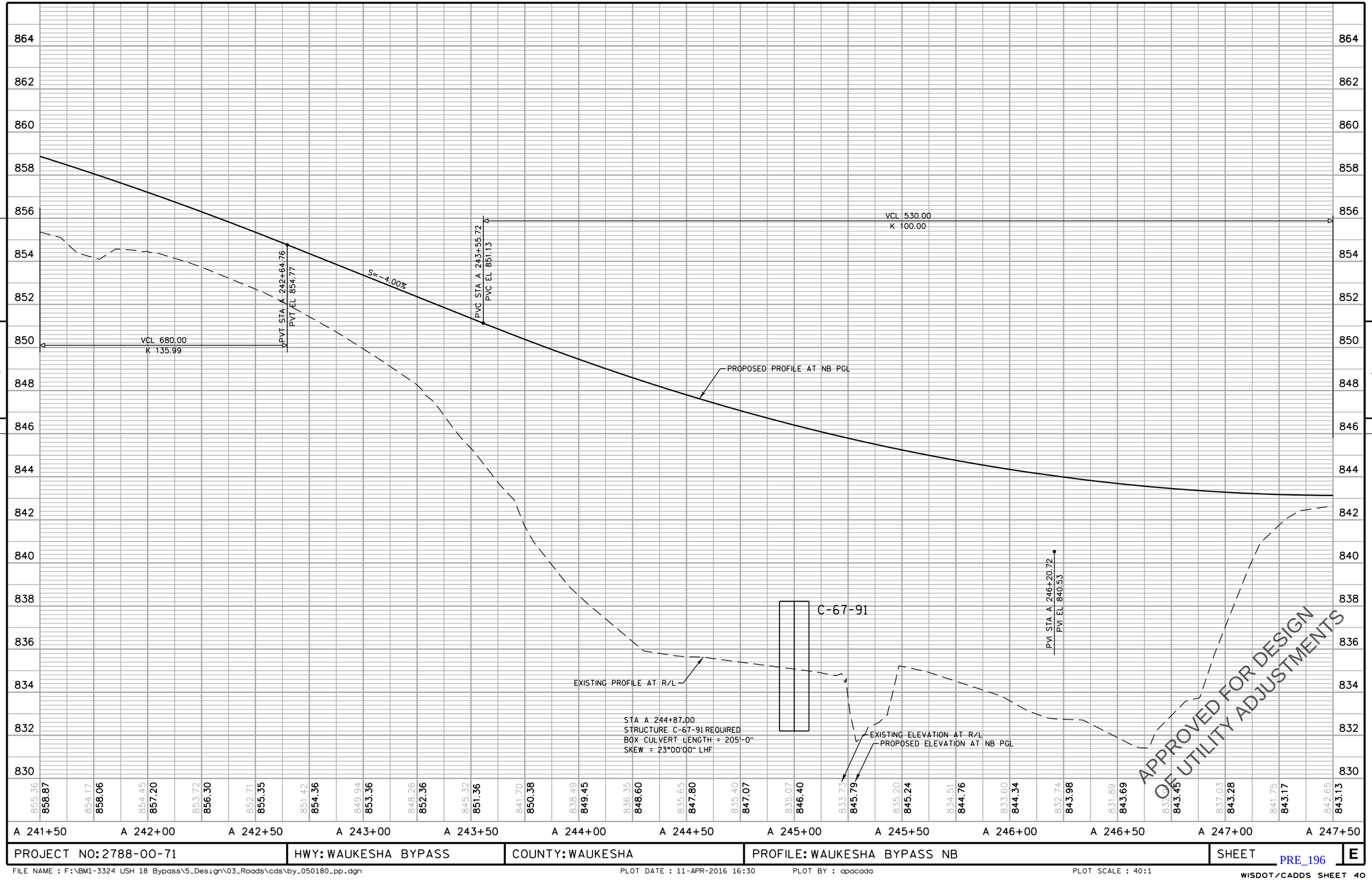
APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PLAN: WAUKESHA BYPASS	SHEET	E

PRE_195

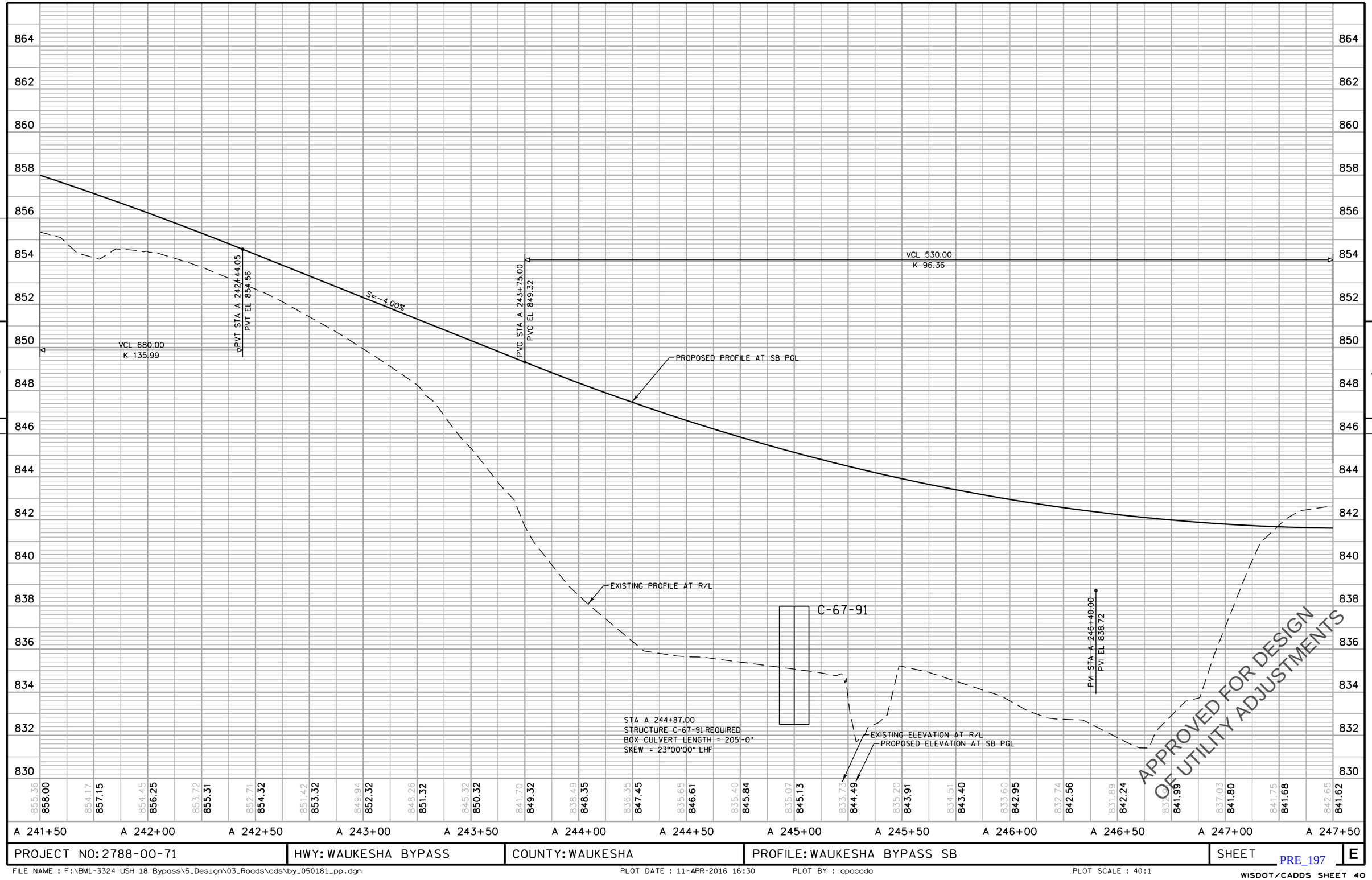
FILE NAME : F:\BM1-3324 USH 18 Bypass\5_Design\03_Roads\cds\by_050179_pp.dgn PLOT DATE : 11-APR-2016 16:30 PLOT BY : apacada PLOT NAME : PLOT SCALE : 40:1

WISDOT/CADDS SHEET 44



PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PROFILE: WAUKESHA BYPASS NB	SHEET E

PRE_196

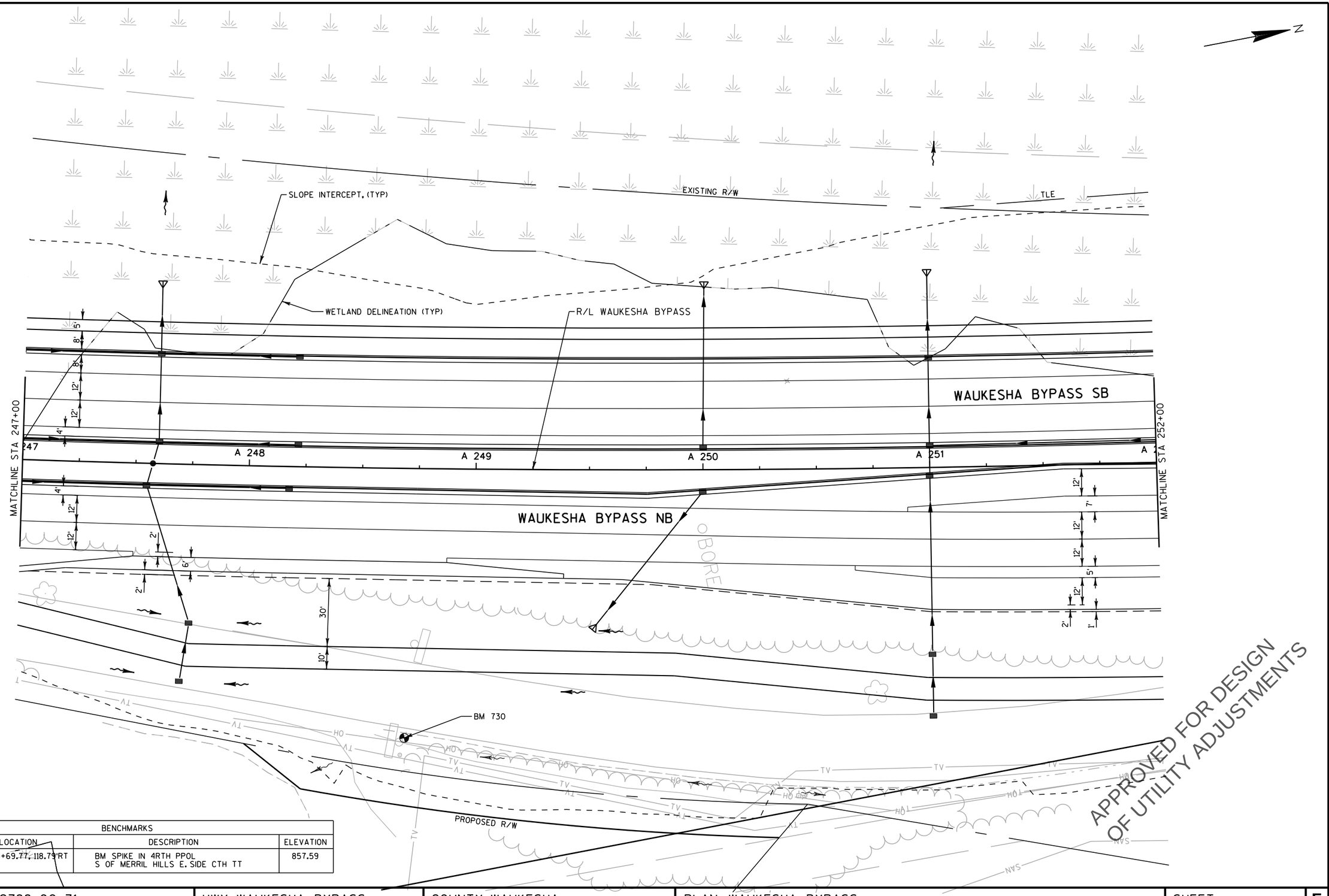


PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PROFILE: WAUKESHA BYPASS SB	SHEET E

PRE_197

FILE NAME : F:\BM1-3324 USH 18 Bypass\5_Design\03_Roads\cds\by_050181_pp.dgn PLOT DATE : 11-APR-2016 16:30 PLOT BY : apacada PLOT SCALE : 40:1

WISDOT/CADDS SHEET 40



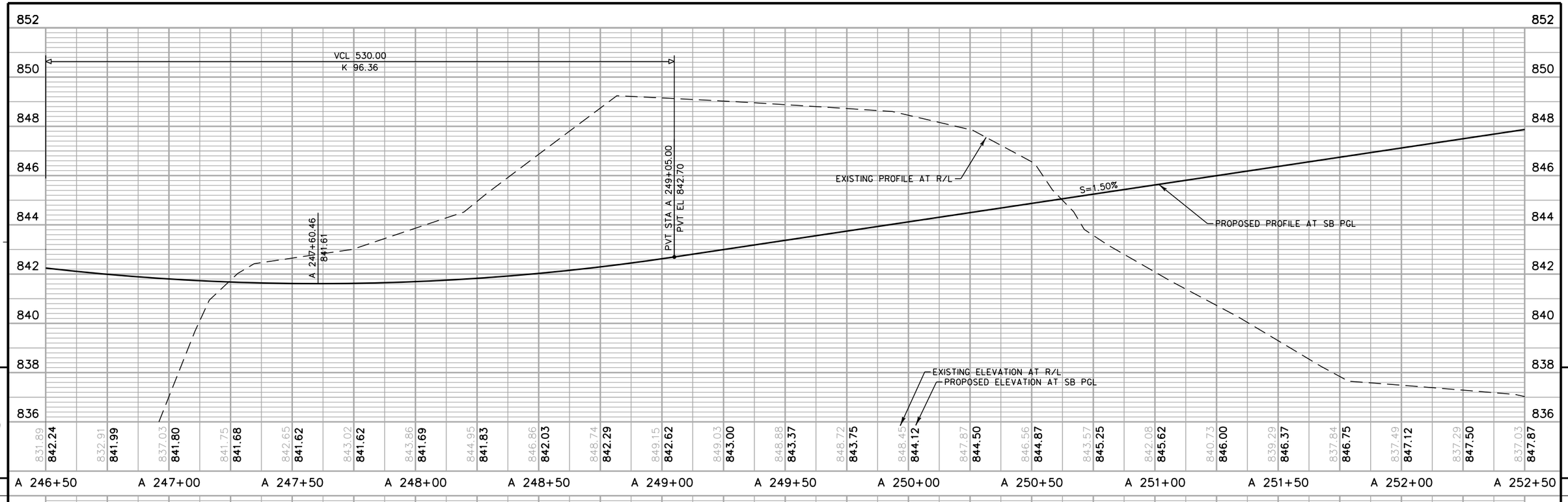
BENCHMARKS			
NUMBER	LOCATION	DESCRIPTION	ELEVATION
BM 730	STA 248+69.77, 118.79'RT	BM SPIKE IN 4RTH PPOL S OF MERRIL HILLS E. SIDE CTH TT	857.59

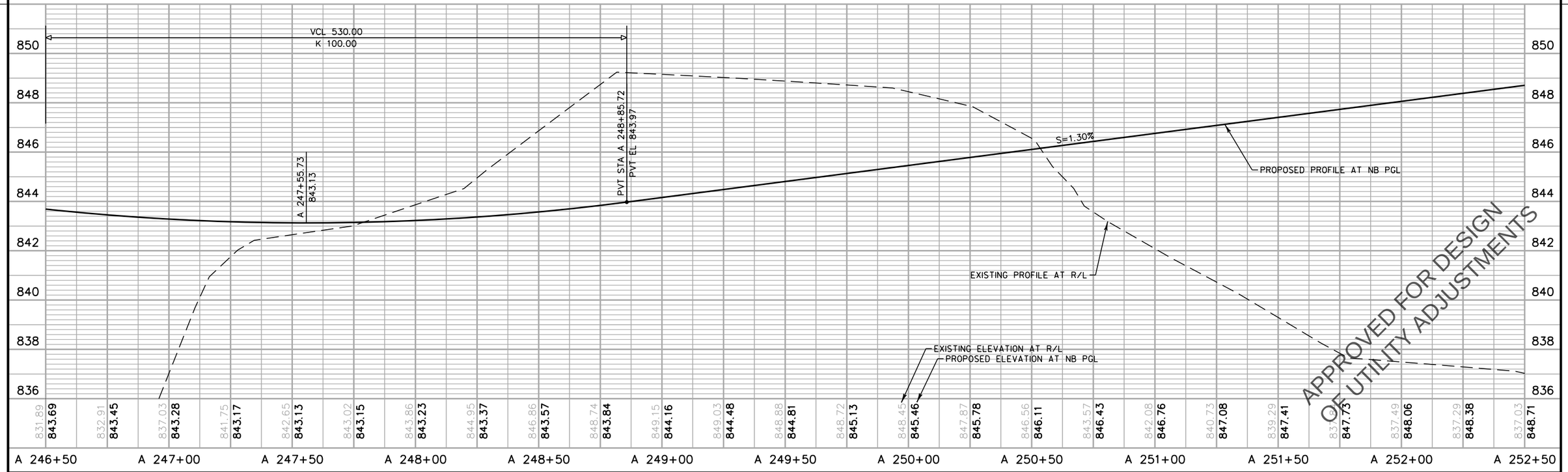
PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PLAN: WAUKESHA BYPASS	SHEET E

PRE_198

FILE NAME : F:\BM1-3324 USH 18 Bypass\5_Design\03_Roads\cds\by_050182_pp.dgn PLOT DATE : 11-APR-2016 16:30 PLOT BY : apacada PLOT NAME : PLOT SCALE : 40:1

WISDOT/CADDS SHEET 44





APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PROFILE: WAUKESHA BYPASS	SHEET	E

PRE_199

FILE NAME : F:\BM1-3324 USH 18 Bypass\5_Design\03_Roads\cds\by_050183_pp.dgn PLOT DATE : 11-APR-2016 16:30 PLOT BY : apacada PLOT NAME : PLOT SCALE : 40:1

WISDOT/CADDS SHEET 30

R/L MADISON ST

MADISON ST

TLE

EXISTING R/W

PLE

SLOPE INTERCEPT, (TYP)

WETLAND DELINEATION (TYP)

CTR 30'R
STA A 254+66.76, 77.0'LT =
STA 49+25.79, 52.5'RT

STA. A 255+13.69 BYPASS
STA. 50+00.00 MADISON ST

BM 729

EXISTING RETAINING WALL

CTR 100'R
STA A 257+46.76, 140.4'LT =
STA 49+50.83, 120.5'LT

PROPOSED R/W

CTR 40'R
STA A 255+93.36, 111.5'LT TLE

CTR 300'R
STA A 256+97.27, 356.0'LT

TLE

EXISTING R/W

WAUKESHA BYPASS SB

R/L WAUKESHA BYPASS

WAUKESHA BYPASS NB

MATCHLINE STA 252+00

MATCHLINE STA 258+00

A 253

A 254

A 255

A 256

A 257

CTR 298'R
STA A 253+28.26, 363.8'LT

CTR 40'R
STA A 254+29.38, 121.7'RT

PROPOSED R/W

TLE

NOISE WALL 6

R-67-129

EXISTING R/W

APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS

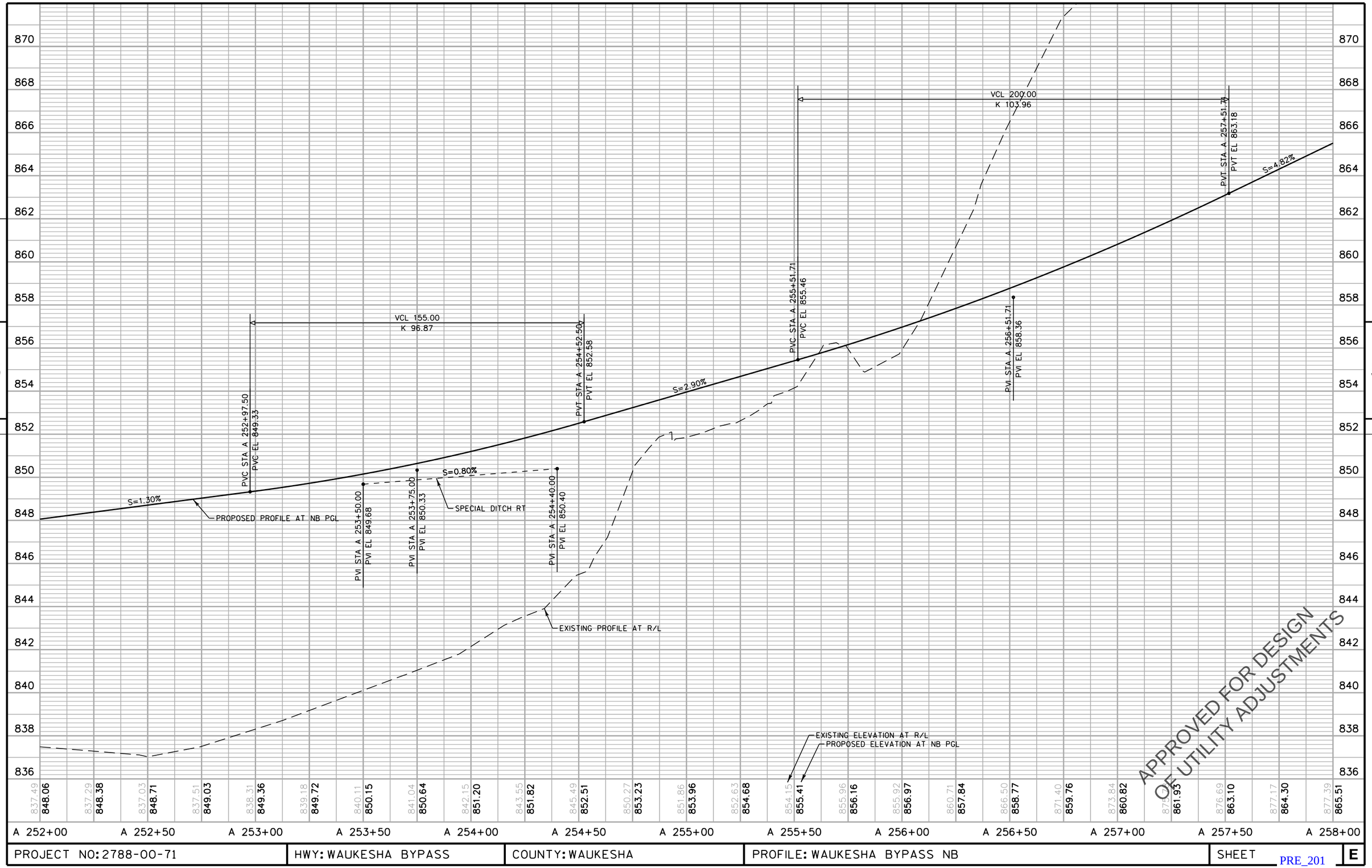
BENCHMARKS			
NUMBER	LOCATION	DESCRIPTION	ELEVATION
BM 729	STA 255+48.09, 82.29'LT	UPPER NNE BOLT 1ST HYD E OF CTH TT ON N SIDE OF MADISON ST (CTH T)	854.33

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PLAN: WAUKESHA BYPASS	SHEET E

PRE_200

FILE NAME : F:\BM1-3324 USH 18 Bypass\5_Design\03_Roads\cds\by_050184_pp.dgn PLOT DATE : 11-APR-2016 16:30 PLOT BY : apacada PLOT NAME : PLOT SCALE : 40:1

WISDOT/CADDS SHEET 44



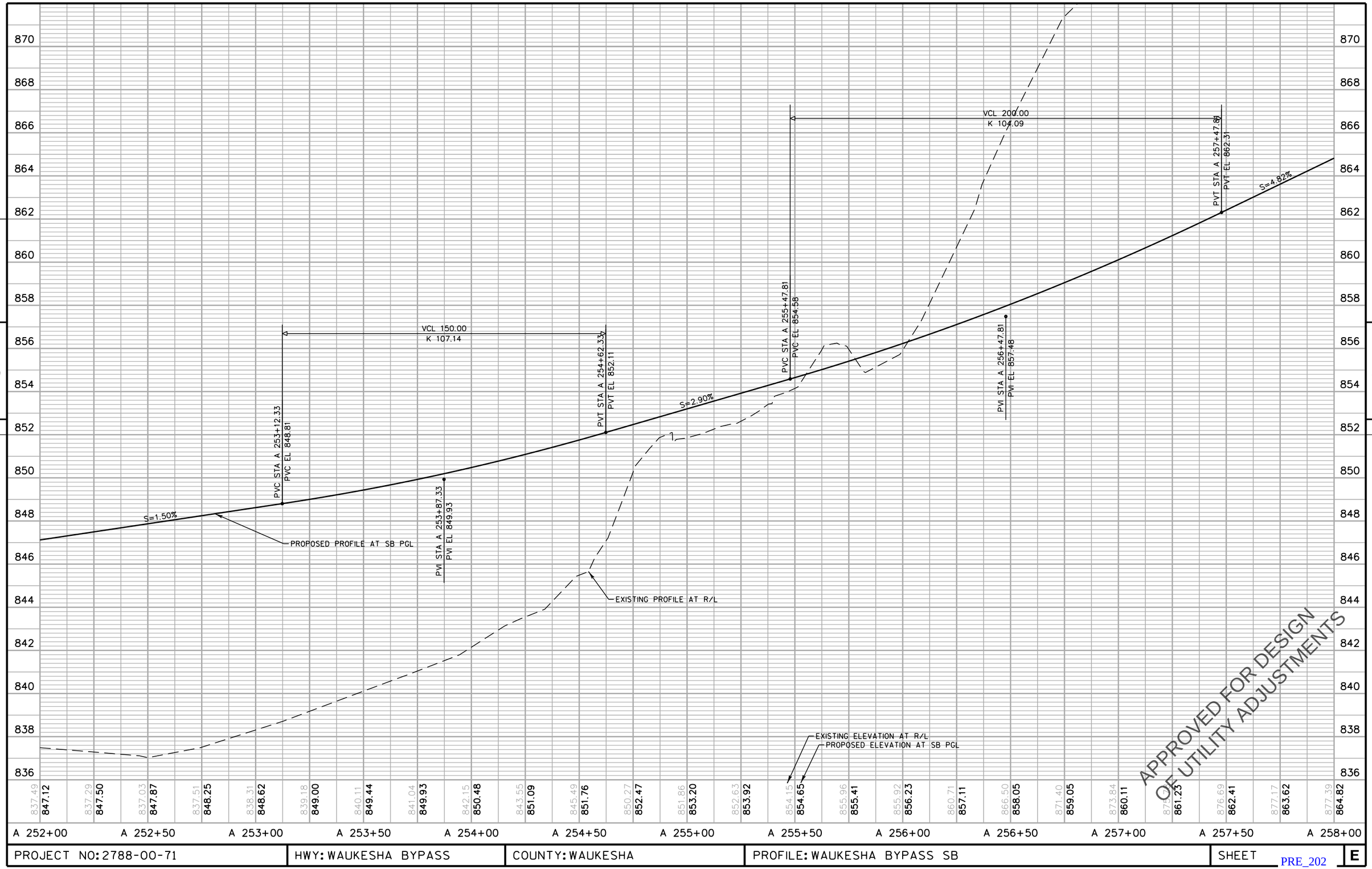
APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PROFILE: WAUKESHA BYPASS NB	SHEET E

PRE_201

FILE NAME : F:\BM1-3324 USH 18 Bypass\5_Design\03_Roads\cds\by_050185_pp.dgn PLOT DATE : 11-APR-2016 16:30 PLOT BY : apacada PLOT SCALE : 40:1

WISDOT/CADDS SHEET 40



APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PROFILE: WAUKESHA BYPASS SB	SHEET	E

PRE_202

SLOPE INTERCEPT, (TYP)

NOISE WALL 5

TLE

EXISTING R/W

R/L WAUKESHA BYPASS

WAUKESHA BYPASS SB

WAUKESHA BYPASS NB

MATCHLINE STA 258+00

MATCHLINE STA 264+00.00

A 259

A 260

A 261

A 262

A 263

PROPOSED R/W

TLE

R-67-129

NOISE WALL 6

PLE

CTR 40'R
STA A 262+99.29, 96.0'RT =
STA 50+94.92, 57.0'RT

R/L KISDON HILL DR

CTR 25'R
STA A 263+96.88, 78.0'RT =
STA 50+72.56, 42.0'RT

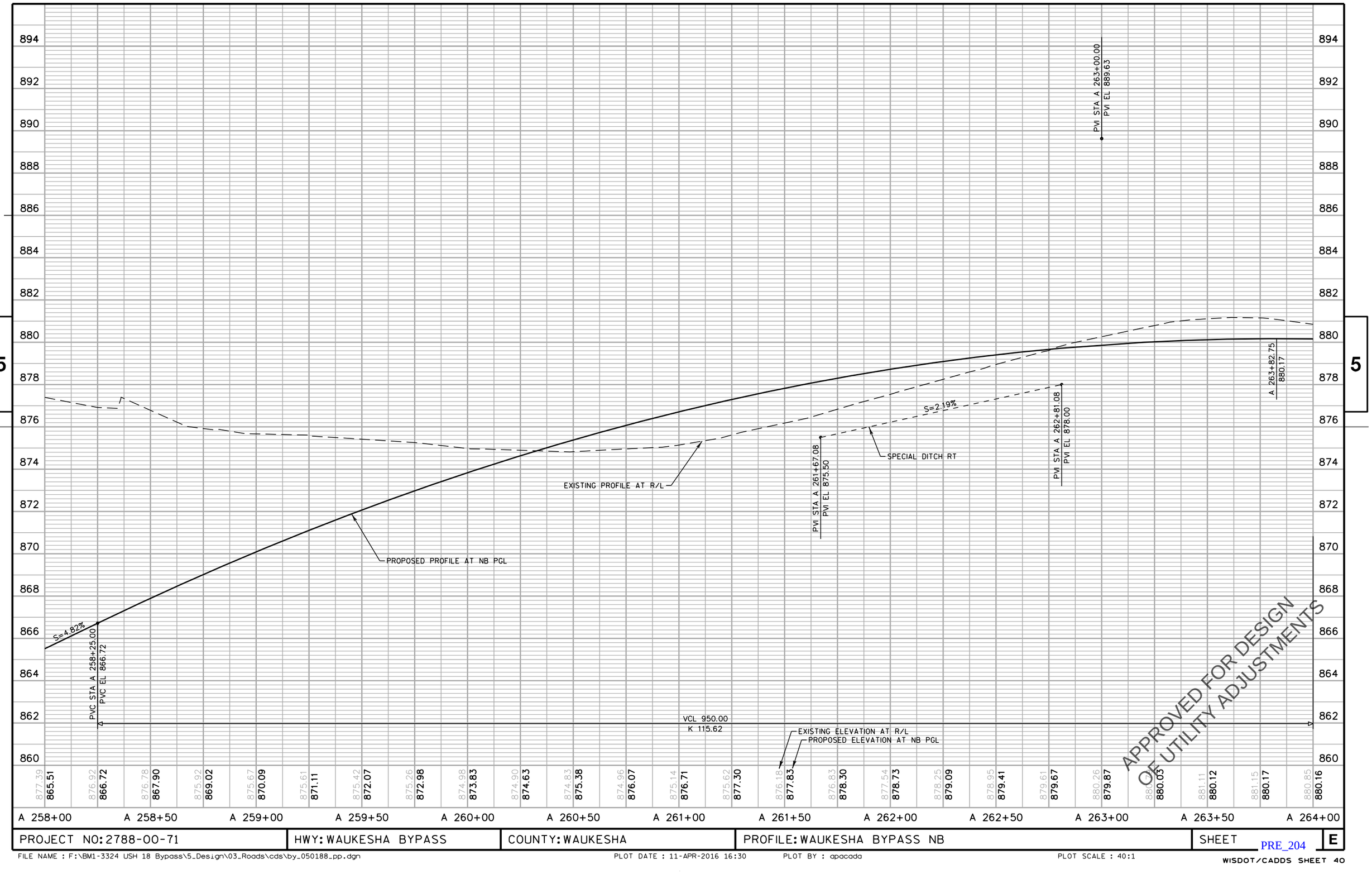
KISDON HILL DR

BUOY POLE

APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PLAN: WAUKESHA BYPASS	SHEET E

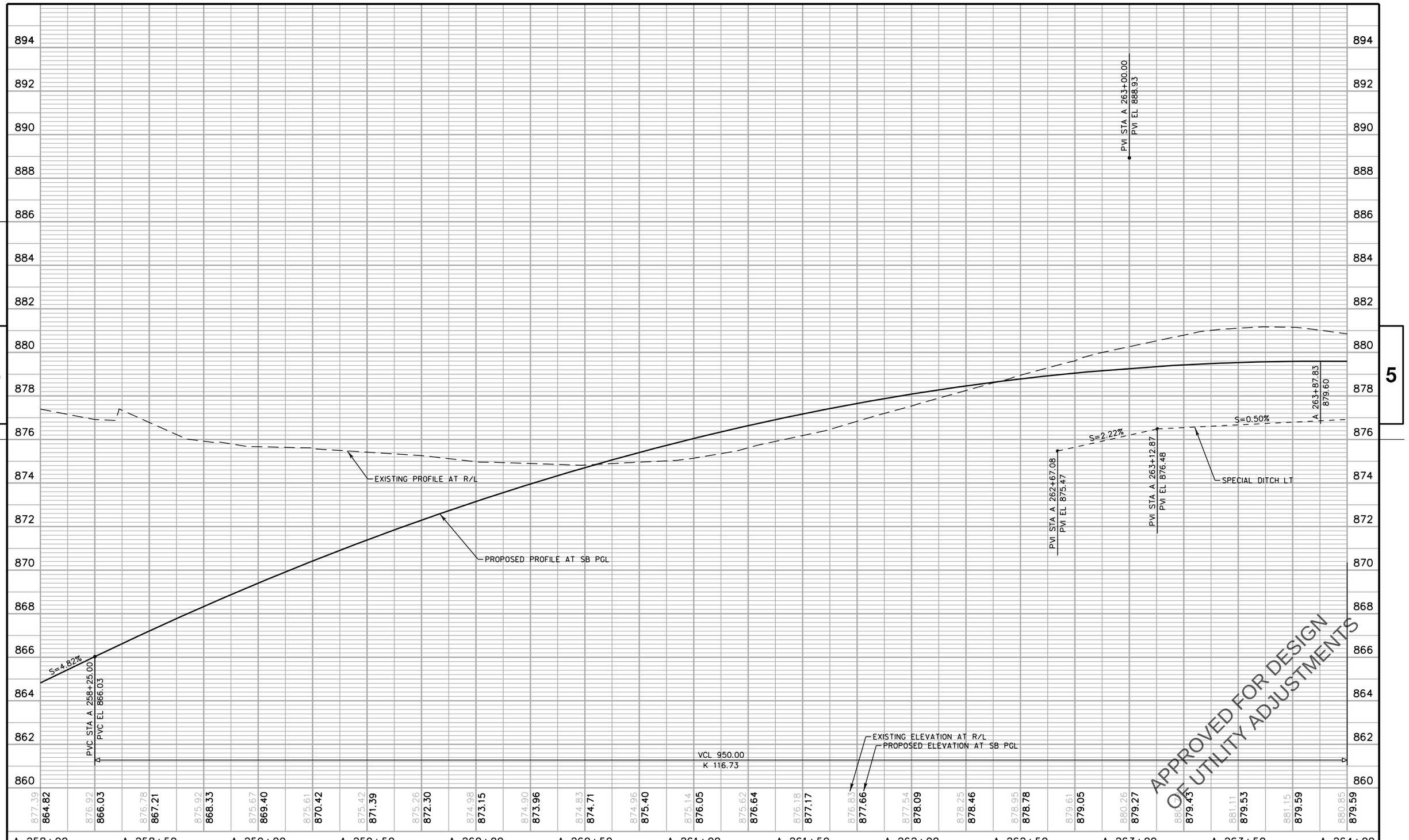
PRE_203



APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PROFILE: WAUKESHA BYPASS NB	SHEET E

PRE_204



APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PROFILE: WAUKESHA BYPASS SB	SHEET E

PRE_205

WE ENERGIES

JUSTIN A. RADICHEL & JANEA R. ROWE

IRSHAD & SEEMI ALI

OWNERS OF LOTS IN HERITGAGE HILLS

N

DRIVEWAY

SLOPE INTERCEPT, (TYP)

PROPOSED R/W

TLE

R/L WAUKESHA BYPASS

WAUKESHA BYPASS SB

WAUKESHA BYPASS NB

BM 727

MATCHLINE STA 264+00

MATCHLINE STA 270+00

A 265

A 266

A 267

A 268

A 269

5'
21'
2'
6'
14'
12'
4'
12'
10'
4'
12'
12'
8'
8'
10'
5'
8'
12'
12'
4'
11'
11'
4'
12'
12'
8'
8'
10'

PROPOSED R/W

TLE

PROPOSED R/W

TLE

LOIS M. KAPLAN

GRADING TO BE PLACED BY OTHERS UNDER PROJECT ID 2788-02-70

APPROVED FOR DESIGN OF UTILITY ADJUSTMENTS

X = CLEARING AND GRUBBING

BENCHMARKS			
NUMBER	LOCATION	DESCRIPTION	ELEVATION
BM 727	STA 266+58.49, 28.58'LT	UPPER NNE BOLT 2ND HYD N OF KISSDON HILL DR. ON W SIDE OF CTH TT	866.18

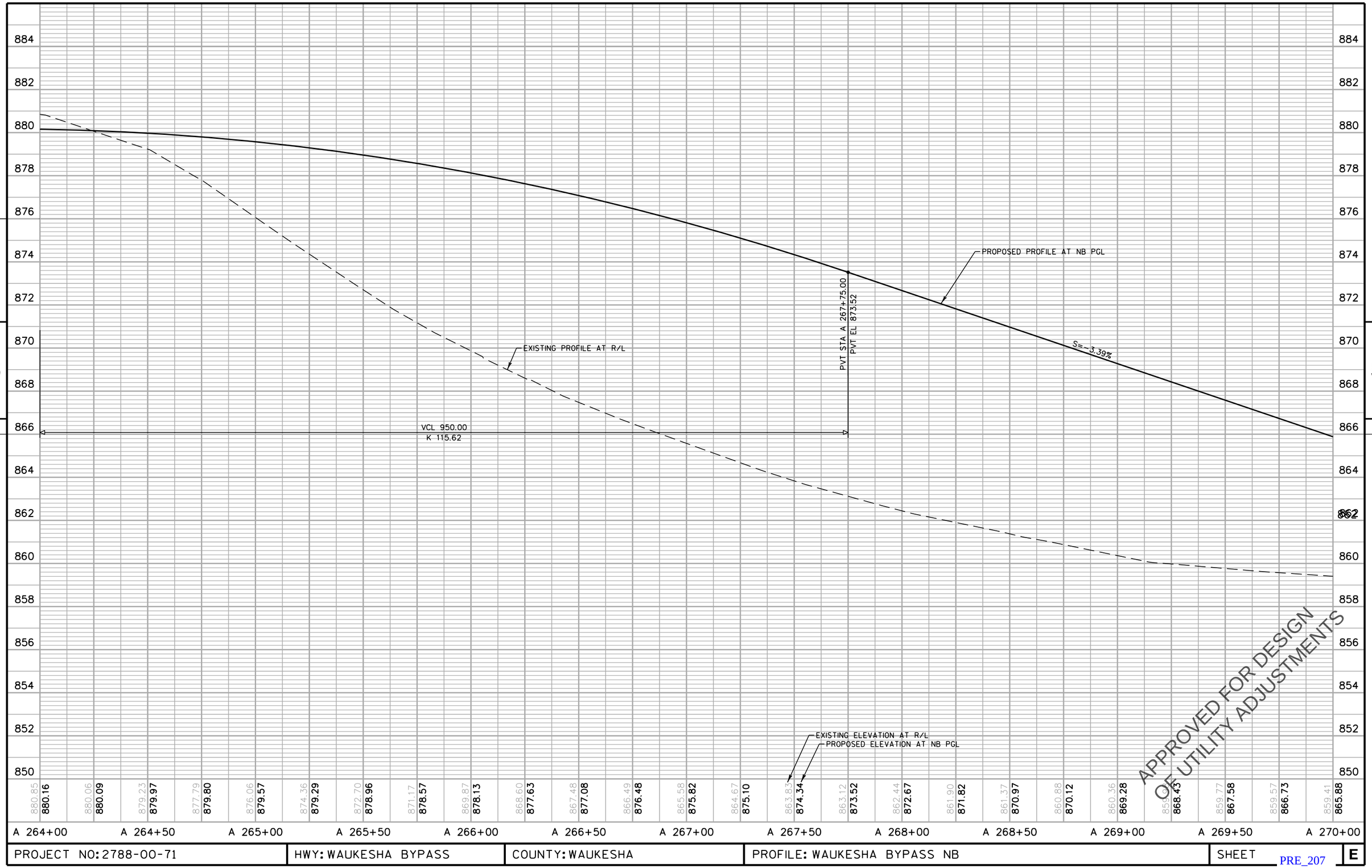
CITY OF WAUKESHA

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PLAN: WAUKESHA BYPASS	SHEET	E

PRE_206

FILE NAME : F:\BM1-3324 USH 18 Bypass\5_Design\03_Roads\cds\by_050190_pp.dgn PLOT DATE : 11-APR-2016 16:30 PLOT BY : apacada PLOT NAME : PLOT SCALE : 40:1

WISDOT/CADDS SHEET 44



APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PROFILE: WAUKESHA BYPASS NB	SHEET E

PRE_207

FILE NAME : F:\BM1-3324 USH 18 Bypass\5_Design\03_Roads\cds\by_050191_pp.dgn PLOT DATE : 11-APR-2016 16:30 PLOT BY : apacada PLOT SCALE : 40:1

WISDOT/CADDS SHEET 40

884
882
880
878
876
874
872
870
868
866
864
862
860
858
856
854
852
850

S=0.50%

S=-1.34%

S=-1.30%

S=-3.32%

PVI STA A 264+04.91
PVI EL 876.94

PVI STA A 264+67.08
PVI EL 876.11

SPECIAL DITCH LT

PVI STA A 266+47.08
PVI EL 873.77

PVT STA A 267+75.00
PVT EL 873.18

PROPOSED PROFILE AT SB PGL

EXISTING PROFILE AT R/L

VCL 950.00
K 116.73

EXISTING ELEVATION AT R/L
PROPOSED ELEVATION AT SB PGL

A 264+00	A 264+50	A 265+00	A 265+50	A 266+00	A 266+50	A 267+00	A 267+50	A 268+00	A 268+50	A 269+00	A 269+50	A 270+00
880.85 **879.59**	880.06 **879.54**	879.23 **879.43**	877.79 **879.27**	876.06 **879.06**	874.36 **878.79**	872.70 **878.47**	871.17 **878.10**	869.87 **877.67**	868.60 **877.19**	867.48 **876.65**	866.49 **876.06**	865.58 **875.42**	864.67 **874.73**	863.83 **873.98**	863.12 **873.18**	862.44 **872.35**	861.90 **871.52**	861.37 **870.69**	860.88 **869.86**	860.36 **869.03**	859.90 **868.20**	859.77 **867.37**	859.57 **866.54**	859.41 **865.71**

APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS

5

5

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PROFILE: WAUKESHA BYPASS SB	SHEET	E

PRE_208

FILE NAME : F:\BM1-3324 USH 18 Bypass\5_Design\03_Roads\cds\by_050192_pp.dgn PLOT DATE : 11-APR-2016 16:30 PLOT BY : apacada PLOT SCALE : 40:1

WISDOT/CADDS SHEET 40

GRADING TO BE
PLACED BY OTHERS UNDER
PROJECT ID 2788-02-70

HEALTH CARE REIT INC

GAS ABANDONED PER PLAN

FIDDLERS CREEK DR

BANK MUTUAL

N

PROPOSED R/W

SLOPE INTERCEPT, (TYP)

EXISTING R/W

R/L WAUKESHA BYPASS

WAUKESHA BYPASS SB

WAUKESHA BYPASS NB

5'
21'
2'
6'
14'
12'
4'
12'
4'
12'
12'
5'
12'
7'
10'

MATCHLINE STA 270+00

270

A 271

A 272

A 273

A 274

A 275

TLE

OBORE

PROPOSED R/W

EXISTING R/W

CPRC
CLASS III
24-INCH

WETLAND DELINEATION (TYP)

END PROJECT 2788-00-71
STA 273+75.00

ROBERT J. &
JEAN M. MOGENSEN

GOOD TIMES DAY CAMP LLC

GOOD TIMES DAY CAMP LLC

X = CLEARING AND GRUBBING

APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS

5

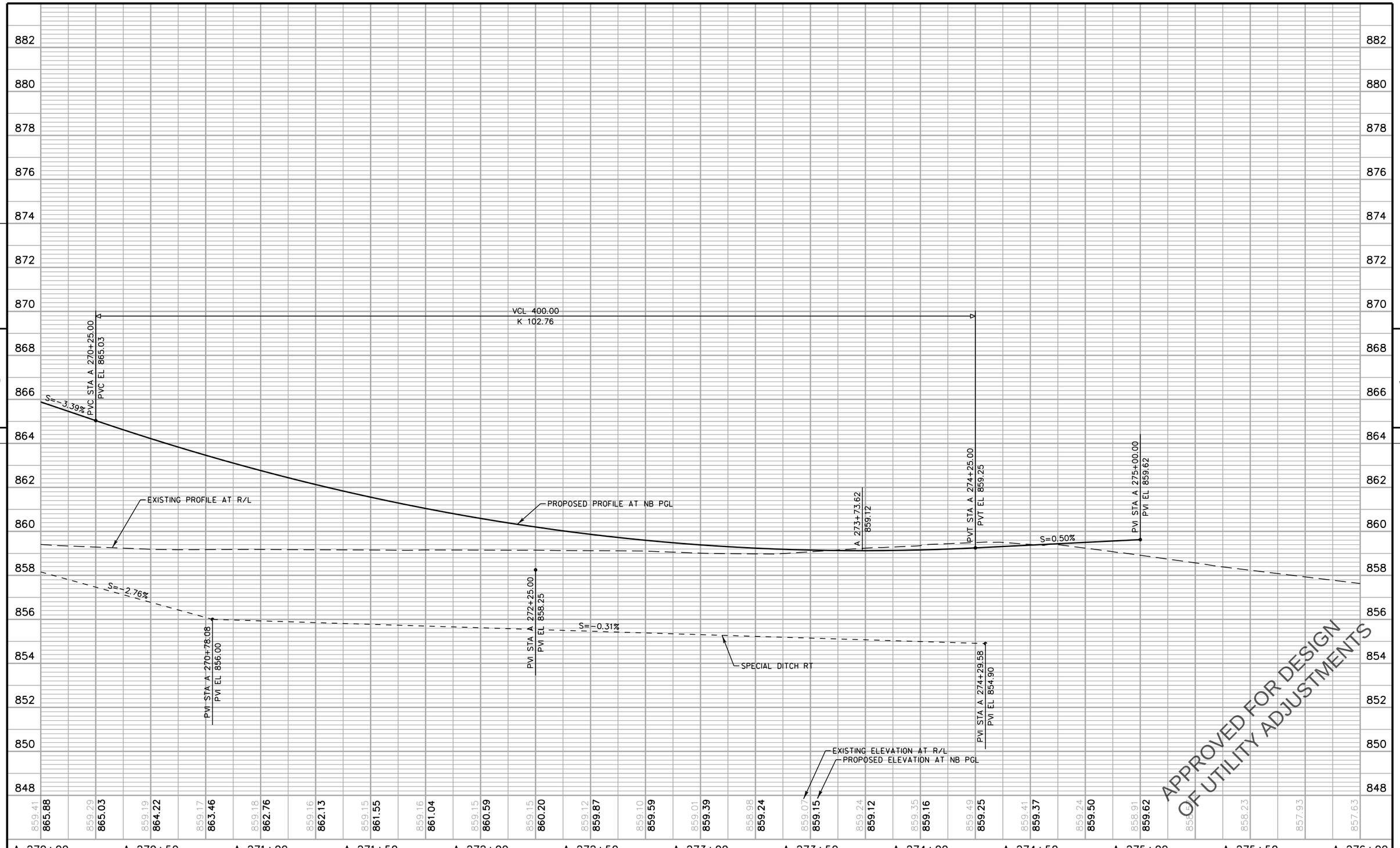
5

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PLAN: WAUKESHA BYPASS	SHEET E

PRE_209

FILE NAME : F:\BM1-3324 USH 18 Bypass\5_Design\03_Roads\cds\by_050193_pp.dgn PLOT DATE : 11-APR-2016 16:30 PLOT BY : apacada PLOT NAME : PLOT SCALE : 40:1

WISDOT/CADDS SHEET 44



APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PROFILE: WAUKESHA BYPASS NB	SHEET E

PRE_210

VCL 400.00
K 104.80

PVC STA A 270+25.00
PVC EL 864.88

S=-3.32%

PROPOSED PROFILE AT SB PGL

SPECIAL DITCH LT

S=1.35%

S=-1.14%

S=-7.00%

S=2.00%

S=-2.00%

S=-0.33%

PVI STA A 270+17.08
PVI EL 861.52

PVI STA A 270+67.08
PVI EL 860.95

PVI STA A 270+92.08
PVI EL 859.20

PVI STA A 270+97.08
PVI EL 859.10

PVI STA A 271+02.08
PVI EL 859.20

PVI STA A 271+17.08
PVI EL 859.15

EXISTING PROFILE AT R/L

PVI STA A 271+59.08
PVI EL 856.74

PVI STA A 272+25.00
PVI EL 858.25

S=-0.47%

SPECIAL DITCH LT

A 273+72.60
859.12

PVI STA A 273+80.08
PVI EL 855.70

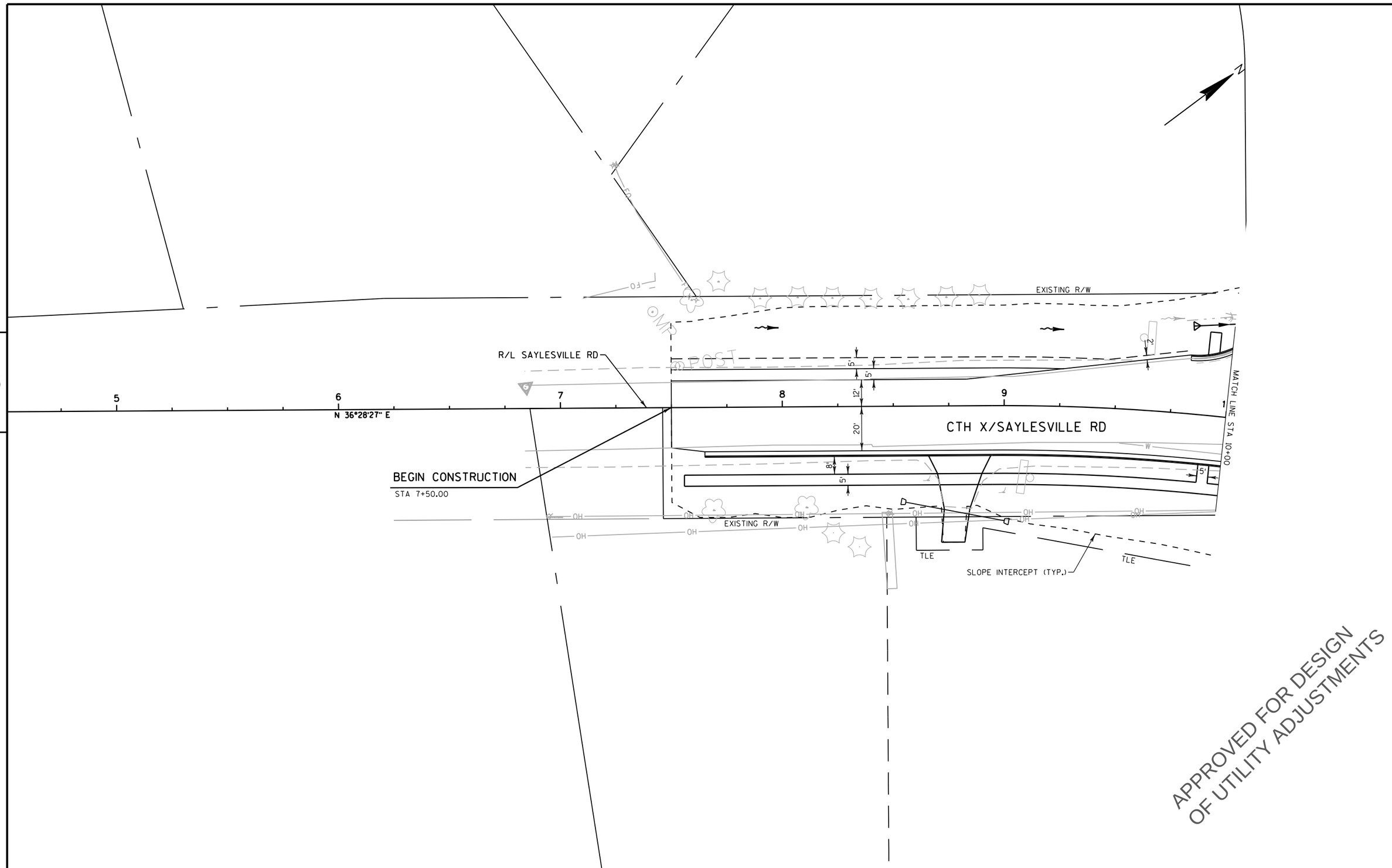
PVI STA A 274+25.00
PVT EL 859.25

S=0.50%

PVI STA A 275+00.00
PVI EL 859.62

EXISTING ELEVATION AT R/L
PROPOSED ELEVATION AT SB PGL

| | | |

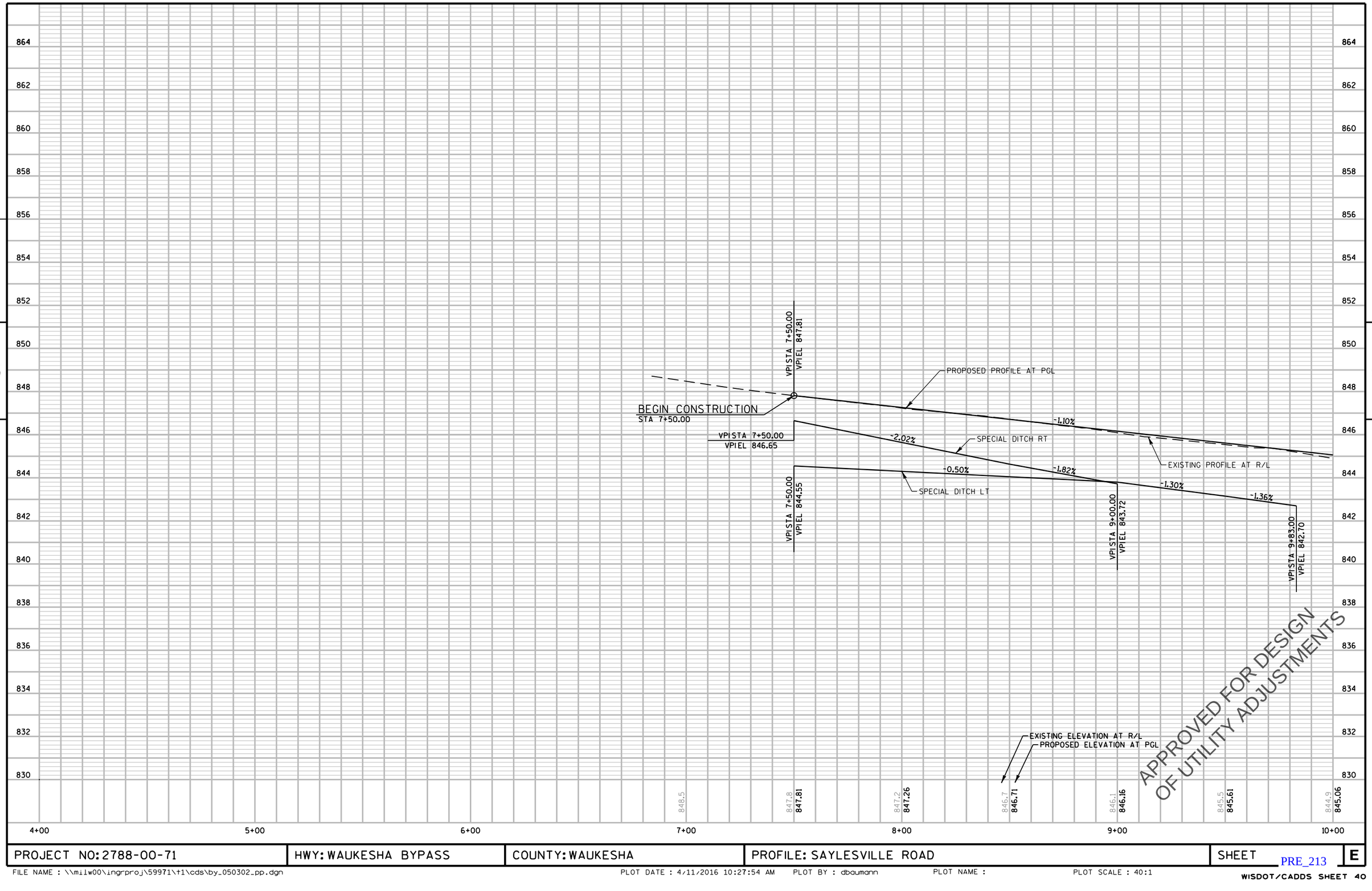


PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PLAN: SAYLESVILLE ROAD	SHEET E

PRE_212

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_050301_pp.dgn PLOT DATE : 4/11/2016 10:27:52 AM PLOT BY : dbaumann PLOT NAME : PLOT SCALE : 40:1

WISDOT/CADDS SHEET 44



PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PROFILE: SAYLESVILLE ROAD	SHEET E

PRE_213

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_050302_pp.dgn PLOT DATE : 4/11/2016 10:27:54 AM PLOT BY : dbaumann PLOT NAME : PLOT SCALE : 40:1

WISDOT/CADDS SHEET 40

STA 38+18.07
541.3' RT
R=40'

STA 39+01.71
486.8' RT
R=50'

MATCH LINE STA 10+00

SLOPE INTERCEPT (TYP.)

R/L SAYLESVILLE RD

MATCH LINE STA 16+00

CTH X/SAYLESVILLE RD

N 52°59'29" E

EXISTING R/W

WETLAND BOUNDARY (TYP.)

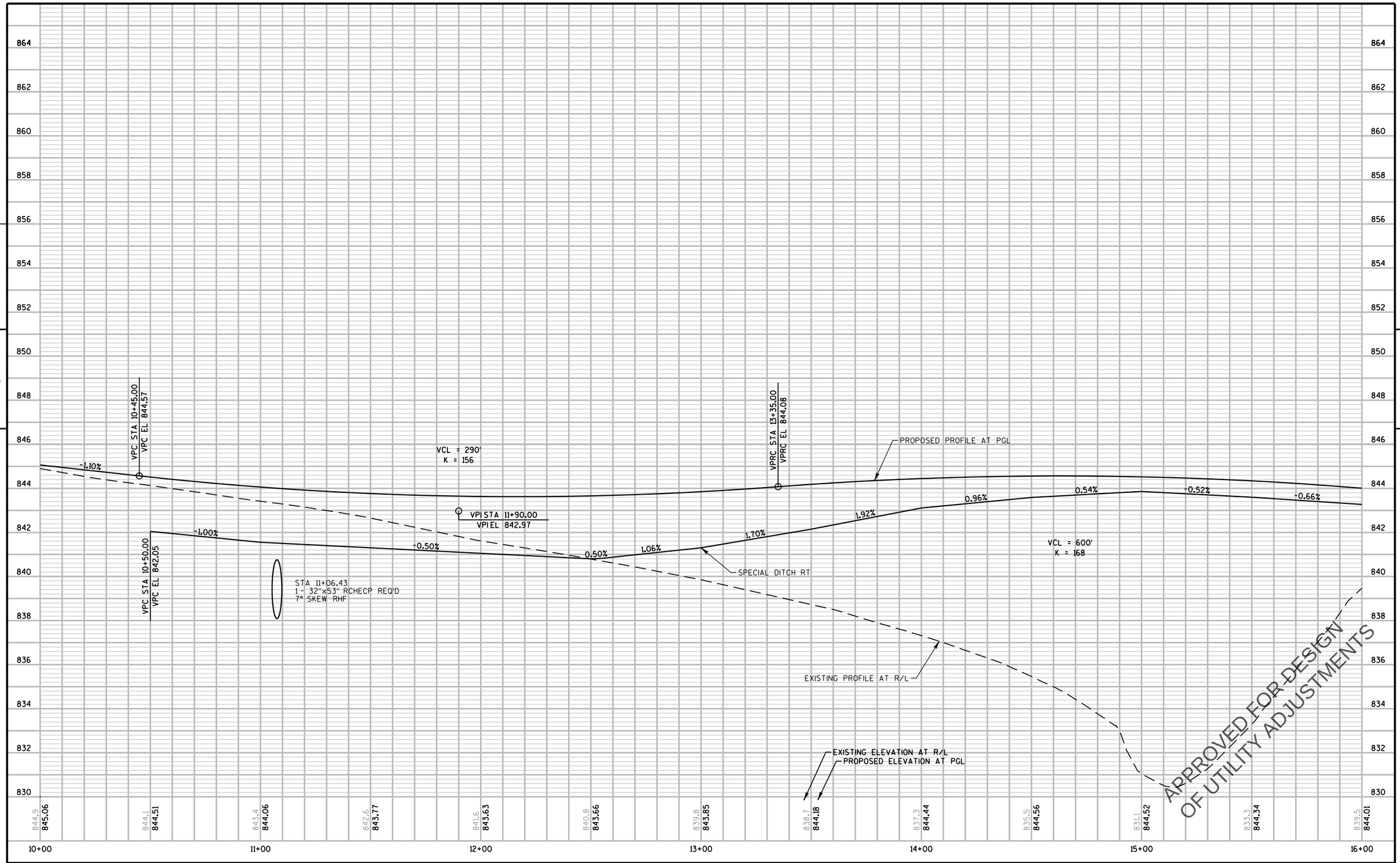
APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PLAN: SAYLESVILLE ROAD	SHEET	E

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_050303_pp.dgn PLOT DATE : 4/11/2016 10:27:57 AM PLOT BY : dbaumann PLOT NAME : PLOT SCALE : 40:1

PRE_214

WISDOT/CADDS SHEET 44



PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PROFILE: SAYLESVILLE ROAD	SHEET E

PRE_215

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_050304_pp.dgn PLOT DATE : 4/11/2016 10:27:59 AM PLOT BY : dbaumann PLOT NAME : PLOT SCALE : 40:1

WISDOT/CADDS SHEET 40

5

5

END CONSTRUCTION
STA 19+37.02

STA 18+64.77, 78.0'LT R/L SAYLESVILLE RD =
STA 42+84.22, 136.2'RT R/L GENESEE RD
R=40'

R/L GENESEE RD

R/L SAYLESVILLE RD

MATCH LINE STA 16+00

CTH X/SAYLESVILLE RD

28'

18

19

N 33°09'25" W

41'

1'

2'

24'

14'

15'

43

35'

55'

44

45

STH 59/GENESEE RD

SLOPE INTERCEPT (TYP.)

STA 18+77.83, 104.2'RT R/L SAYLESVILLE RD=
STA 44+58.50, 124.0'RT R/L GENESEE RD
R=50'

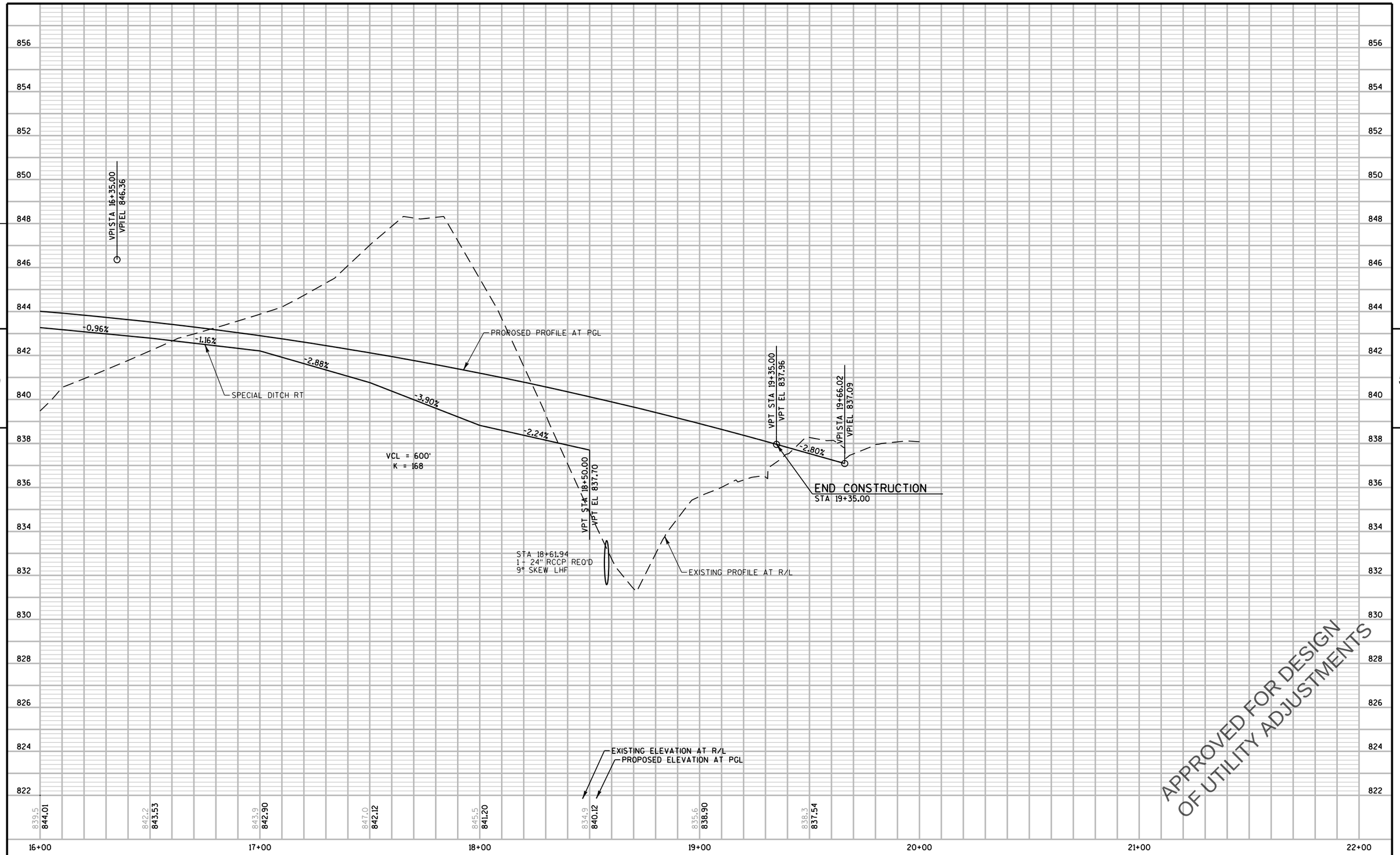
APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PLAN: SAYLESVILLE ROAD	SHEET E

PRE_216

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_050305_pp.dgn PLOT DATE : 4/11/2016 10:28:01 AM PLOT BY : dbaumann PLOT NAME : PLOT SCALE : 40:1

WISDOT/CADDS SHEET 44



APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PROFILE: SAYLESVILLE ROAD	SHEET	E

PRE_217

5

5

N

33

N 75°47'47" E

34

35

36

37

38

BEGIN CONSTRUCTION
STA 34+11.03

STH 59/GENESEE RD

R/L GENESEE RD

MATCHLINE 39+00

SLOPE INTERCEPT (TYP.)

EXISTING R/W

TLE

OH

HO

G

GUY

GUY POLE

WELL

BORE

5'

5.1'

2'

8'

14'

24'

28'

APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PLAN: GENESSE ROAD	SHEET E

PRE_218

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_050307_pp.dgn PLOT DATE : 4/11/2016 10:28:26 AM PLOT BY : dbaumann PLOT NAME : PLOT SCALE : 40:1

WISDOT/CADDS SHEET 44

878
876
874
872
870
868
866
864
862
860
858
856
854
852
850
848
846
844

VPI STA 34+11.03
VPI EL 864.61

BEGIN CONSTRUCTION
STA 34+11.03

-3.10%

PROPOSED PROFILE AT EB PGL

EXISTING PROFILE AT R/L

VPI STA 37+90
VPI EL 850.68

-3.00%

-3.02%

SPECIAL DITCH RT

VPI STA 38+50.00
VPI EL 848.87

EXISTING ELEVATION AT R/L
PROPOSED ELEVATION AT EB PGL

868.5	866.7	865.0	863.4	863.41	861.5	861.86	860.1	860.31	858.4	858.76	856.6	857.21
855.2	855.66	853.9	854.11	852.5	852.56	851.0	851.01	849.6	849.46			

33+00 34+00 35+00 36+00 37+00 38+00 39+00

5 5

APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PROFILE: GENESSE ROAD EB	SHEET	E

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_050308_pp.dgn PLOT DATE : 4/11/2016 10:28:29 AM PLOT BY : dbaumann PLOT NAME : PLOT SCALE : 40:1
WISDOT/CADDS SHEET 40

878 876 874 872 870 868 866 864 862 860 858 856 854 852 850 848 846 844

VPI STA 34+11.03
VPI EL 864.61

BEGIN CONSTRUCTION
STA 34+11.03

PROPOSED PROFILE AT EB PGL

EXISTING PROFILE AT R/L

VPI STA 34+50.00
VPI EL 857.78

-2.90%
-2.95%
-3.18%
-4.52%
-3.16%
-2.00%
-1.95%
-3.10%
-3.10%
-2.26%

SPECIAL DITCH LT

EXISTING ELEVATION AT R/L
PROPOSED ELEVATION AT WB PGL

868.5	866.7	865.0	863.4 **863.41**	861.5 **861.86**
860.1 **860.31**	858.4 **858.76**	856.6 **857.21**	855.2 **855.66**	853.9 **854.11**
852.5 **852.56**	851.0 **851.01**	849.6 **849.46**		

33+00 34+00 35+00 36+00 37+00 38+00 39+00

APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PROFILE: GENESSE ROAD WB	SHEET E

PRE_220

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_050309_pp.dgn PLOT DATE : 4/11/2016 10:28:31 AM PLOT BY : dbaumann PLOT NAME : PLOT SCALE : 40:1

WISDOT/CADDS SHEET 40

WETLAND BOUNDARY (TYP.)

N

TLE

SLOPE INTERCEPT (TYP.)

EXISTING R/W

STH 59/GENESEE RD

MATCHLINE 39+00

MATCHLINE 45+00

R/L GENESEE RD

STA 42+84.22, 136.2' RT R/L GENESEE RD =
STA 18+64.77, 78.0' LT R/L SAYLESVILLE RD
R=40'

STA 44+58.22, 125.0' RT
R/L GENESEE RD =
STA 18+76.82, 104.0' RT
R/L SAYLESVILLE RD
R=50'

R/L SAYLESVILLE RD

N 33°09'25" W

APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PLAN: GENESSE ROAD	SHEET E

PRE_221

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_050310_pp.dgn PLOT DATE : 4/11/2016 10:28:33 AM PLOT BY : dbaumann PLOT NAME : PLOT SCALE : 40:1

WISDOT/CADDS SHEET 44

860
858
856
854
852
850
848
846
844
842
840
838
836
834
832
830
828
826

-3.10%

VPC STA 40+85.00
VPC EL 843.72

VCL = 210'
K = 191

PROPOSED PROFILE AT EB PGL

EXISTING PROFILE AT R/L

VPI STA 41+90.00
VPI EL 840.47

VPT STA 42+95.00
VPT EL 838.37

-2.00%

VPT STA 44+00.00
VPT EL 836.27

VCL = 260'
K = 146

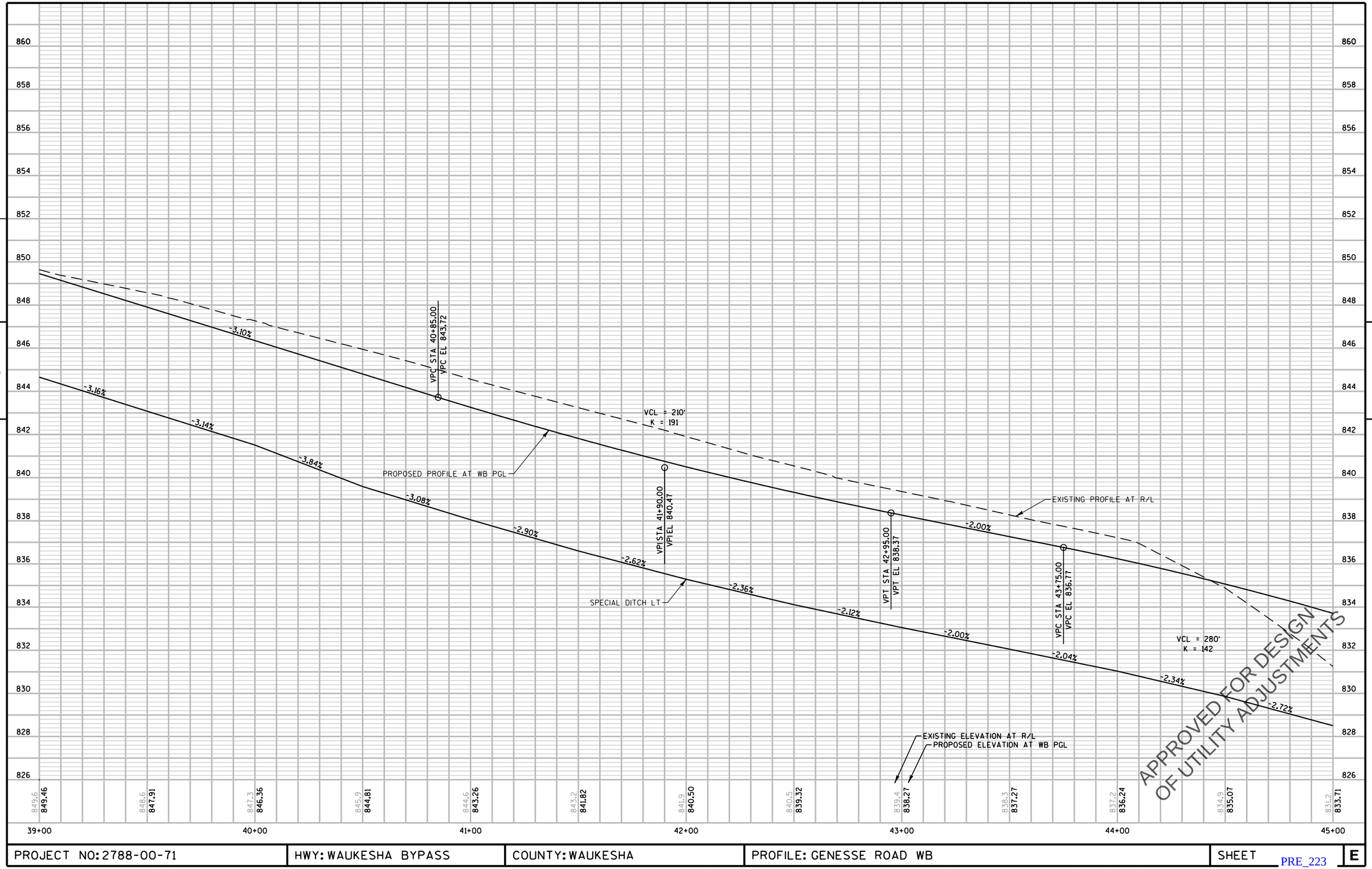
-0.52%

VPC STA 44+50.00
VPC EL 833.50

SPECIAL DITCH RT

EXISTING ELEVATION AT R/L
PROPOSED ELEVATION AT EB PGL

| | | |



PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PROFILE: GENESSE ROAD WB	SHEET	E

PRE_223

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_050312_pp.dgn PLOT DATE : 4/11/2016 10:28:37 AM PLOT BY : dbaumann PLOT NAME : PLOT SCALE : 40:1

WISDOT/CADDS SHEET 40

5

5

STH 59/CTH X
GENESEE RD

R/L GENESEE RD

R/L WAUKESHA BYPASS

WAUKESHA BYPASS SB

WAUKESHA BYPASS NB

PROPOSED R/W

EXISTING R/W

SLOPE INTERCEPT (TYP.)

TLE

STA 48+44.52, 98.0 LT R/L GENESEE RD =
STA 114+16.98, 128.2'LT R/L WAUKESHA BYPASS
R=50'

STA 47+94.60, 292.0'RT R/L GENESEE RD =
STA 110+51.33, 276.0'LT R/L WAUKESHA BYPASS
R=213'

MATCHLINE 45+00

MATCHLINE 51+00

APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PLAN: GENESSE ROAD	SHEET	E

PRE_224

844
842
840
838
836
834
832
830
828
826
824
822
820
818
816
814
812
810

VPI STA 45+30.00
VPI EL 833.67

VPRC STA 46+60.00
VPRC EL 828.75

-4.64%

VCL = 260'
K = 146

-3.32%

-3.76%

-3.78%

-2.06%

SPECIAL DITCH RT

VPI STA 48+00.00
VPI EL 821.10

VPI STA 48+10.00
VPI EL 823.08

VCL = 300'
K = 118

EXISTING PROFILE AT R/L

PROPOSED PROFILE AT EB PGL

-1.24%

VPT STA 49+60.00
VPT EL 821.23

VPC STA 50+80.00
VPC EL 819.76
L = 440'
K = 162

EXISTING ELEVATION AT R/L
PROPOSED ELEVATION AT EB PGL

831.2	831.4	832.1	831.5
833.92	832.50	830.90	829.13

830.7	830.7	831.2	828.6
827.31	825.69	824.29	823.10

823.7	820.9	820.6	822.6	822.1
822.12	821.35	820.73	820.11	819.48

45+00 46+00 47+00 48+00 49+00 50+00 51+00

APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PROFILE: GENESSE ROAD EB	SHEET E

PRE_225

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_050314_pp.dgn PLOT DATE : 4/11/2016 10:28:42 AM PLOT BY : dbaumann PLOT NAME : PLOT SCALE : 40:1

WISDOT/CADDS SHEET 40

844 842 840 838 836 834 832 830 828 826 824 822 820 818 816 814 812 810

VPI STA 45+15.00
VPI EL 833.97

VPRC STA 48+55.00
VPRC EL 828.40

VCL = 280'
K = 142

VCL = 320'
K = 116

-3.04%
-3.42%
-3.78%
-3.80%
-3.36%
-2.98%
-1.98%
-1.22%

EXISTING PROFILE AT R/L

VPI STA 48+15.00
VPI EL 822.04

PROPOSED PROFILE AT WB PGL

VPT STA 48+50.00
VPT EL 817.32

VPT STA 49+75.00
VPT EL 820.09

EXISTING ELEVATION AT R/L
PROPOSED ELEVATION AT WB PGL

831.2	831.4	832.1	831.5	830.7	830.7	831.2	828.6	823.7	820.9	820.6	822.6	822.1
833.71	832.18	830.48	828.60	826.70	825.01	823.54	822.28	821.24	820.42	819.79	819.18	818.57

45+00 46+00 47+00 48+00 49+00 50+00 51+00

APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PROFILE: GENESSE ROAD WB	SHEET E

PRE_226

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_050315_pp.dgn PLOT DATE : 4/11/2016 10:28:44 AM PLOT BY : dbaumann PLOT NAME : PLOT SCALE : 40:1

WISDOT/CADDS SHEET 40

PROPOSED R/W

STA 52+31.86, 353.0' LT R/L GENESEE RD=
STA 116+07.44, 264.3' RT R/L WAUKESHA BYPASS
R=300'

PROPOSED R/W

N

STH 59/CTH X
GENESEE RD

B-67-315

B-67-314

MATCHLINE 51+00

MATCHLINE 57+00

R/L GENESEE RD

N 36°53'39" E

SLOPE INTERCEPT (TYP.)

WETLAND BOUNDARY (TYP.)

EXISTING R/W

EXISTING R/W

STA 51+67.37, 123.3' RT R/L GENESEE =
STA 111+40.69, 150.2' RT R/L WAUKESHA BYPASS
R=55'

FUTURE PATH GRADING (TYP.)

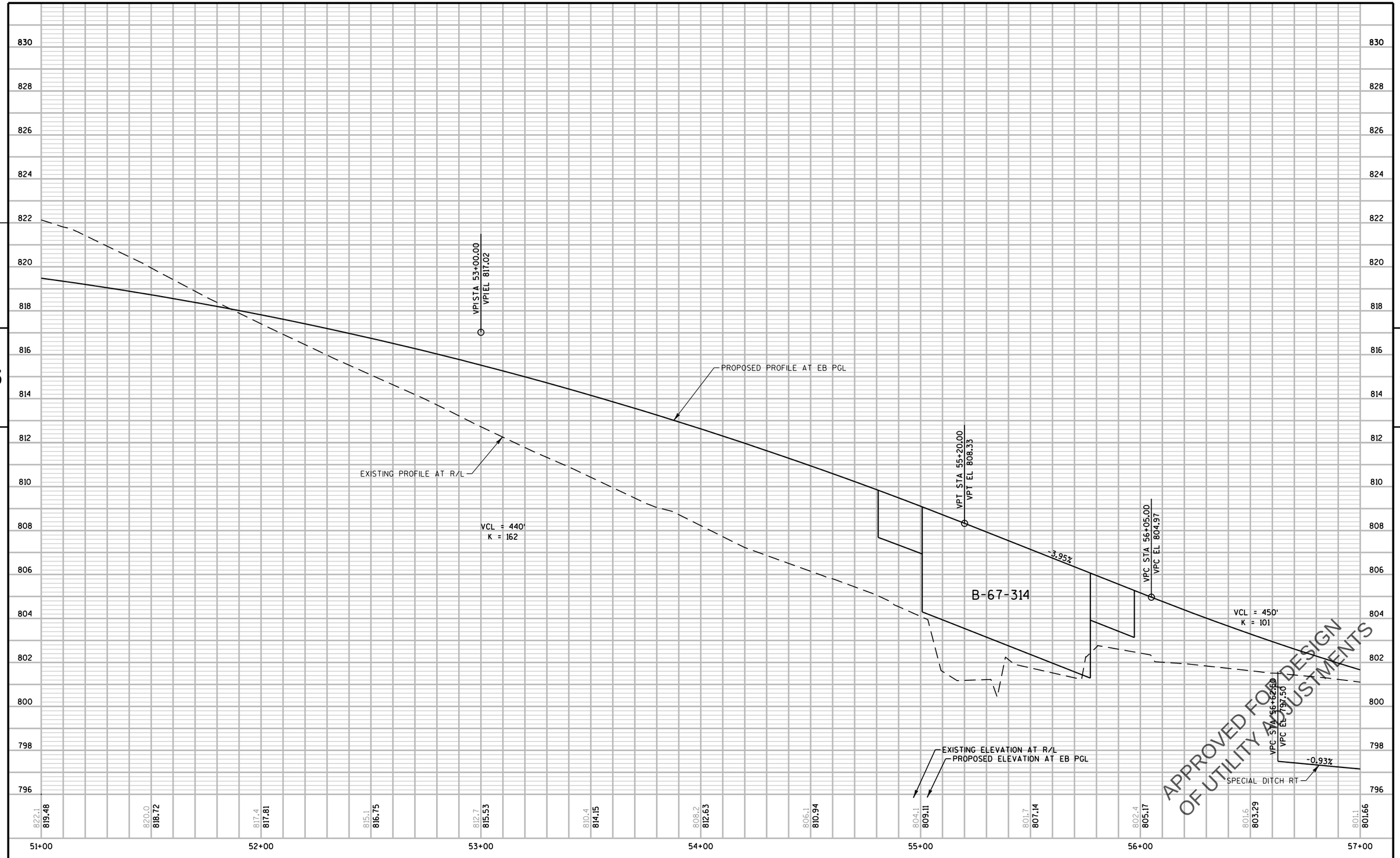
APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PLAN: GENESSE ROAD	SHEET E

PRE_227

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_050316_pp.dgn PLOT DATE : 4/11/2016 10:28:46 AM PLOT BY : dbaumann PLOT NAME : PLOT SCALE : 40:1

WISDOT/CADDS SHEET 44



PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PROFILE: GENESSE ROAD EB	SHEET E

PRE_228

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_050317_pp.dgn PLOT DATE : 4/11/2016 10:28:49 AM PLOT BY : dbaumann PLOT NAME : PLOT SCALE : 40:1

WISDOT/CADDS SHEET 40

824
822
820
818
816
814
812
810
808
806
804
802
800
798
796
794
792
790

-1.22%

VPC STA 51+50.00
VPC EL 817.96

VPI STA 53+40.00
VPI EL 815.65

PROPOSED PROFILE AT WB PGL

EXISTING PROFILE AT R/L

VCL = 380'
K = 137

VPT STA 55+30.00
VPT EL 808.06

-3.99%

VPC STA 56+05.00
VPC EL 805.07

B-67-315

VCL = 450'
K = 100

-0.50%

VPC STA 52+00.00
VPC EL 795.75

SPECIAL DITCH LT

-4.98%

VPC STA 53+35.00
VPC EL 791.27

EXISTING ELEVATION AT R/L
PROPOSED ELEVATION AT WB PGL

822.1 818.57
820.0 817.96
817.4 817.26
815.1 816.38
812.7 815.32
810.4 814.07
808.2 812.64
806.1 811.03
804.1 809.23
801.7 807.27
802.4 805.27
801.6 803.37
801.1 801.72

51+00 52+00 53+00 54+00 55+00 56+00 57+00

5

APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PROFILE: GENESSE ROAD WB	SHEET E

PRE_229

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_050318_pp.dgn PLOT DATE : 4/11/2016 10:28:51 AM PLOT BY : dbaumann PLOT NAME : PLOT SCALE : 40:1

WISDOT/CADDS SHEET 40

WETLAND BOUNDARY (TYP.)

PROPOSED R/W

TLE

SLOPE INTERCEPT (TYP.)

STA 61+41.47
88.0' LT
R=40'

EXISTING R/W

MATCHLINE 57+00

58 59 60 61 62

N 32°15'30" E

STH 59/CTH X
GENESEE RD

END CONSTRUCTION
STA 61+84.00

R/L GENESEE RD

AS ABANDONED PER PLAN

EXISTING R/W

APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS

5

5

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PLAN: GENESSE ROAD	SHEET E

PRE_230

VCL = 450'
K = 101

EXISTING PROFILE AT R/L

PROPOSED PROFILE AT EB PGL

-1.72%

-1.32%

VPI STA 58+30.00
VPI EL 796.08

-0.92%

-0.50%

SPECIAL DITCH RT

VPT STA 60+00.00
VPT EL 794.42

VPT STA 60+55.00
VPT EL 797.21

0.50%

VPI STA 61+84.00
VPI EL 797.85

END CONSTRUCTION
STA 61+84.00

EXISTING ELEVATION AT R/L
PROPOSED ELEVATION AT EB PGL

801.1	801.66	800.6	800.28	799.9	799.15	799.3	798.26	798.9	797.62	798.3	797.23	797.8	797.08
797.5	797.18	797.4	797.43	797.7	797.68	798.0							

816 814 812 810 808 806 804 802 800 798 796 794 792 790 788 786 784 782

57+00 58+00 59+00 60+00 61+00 62+00 63+00

5

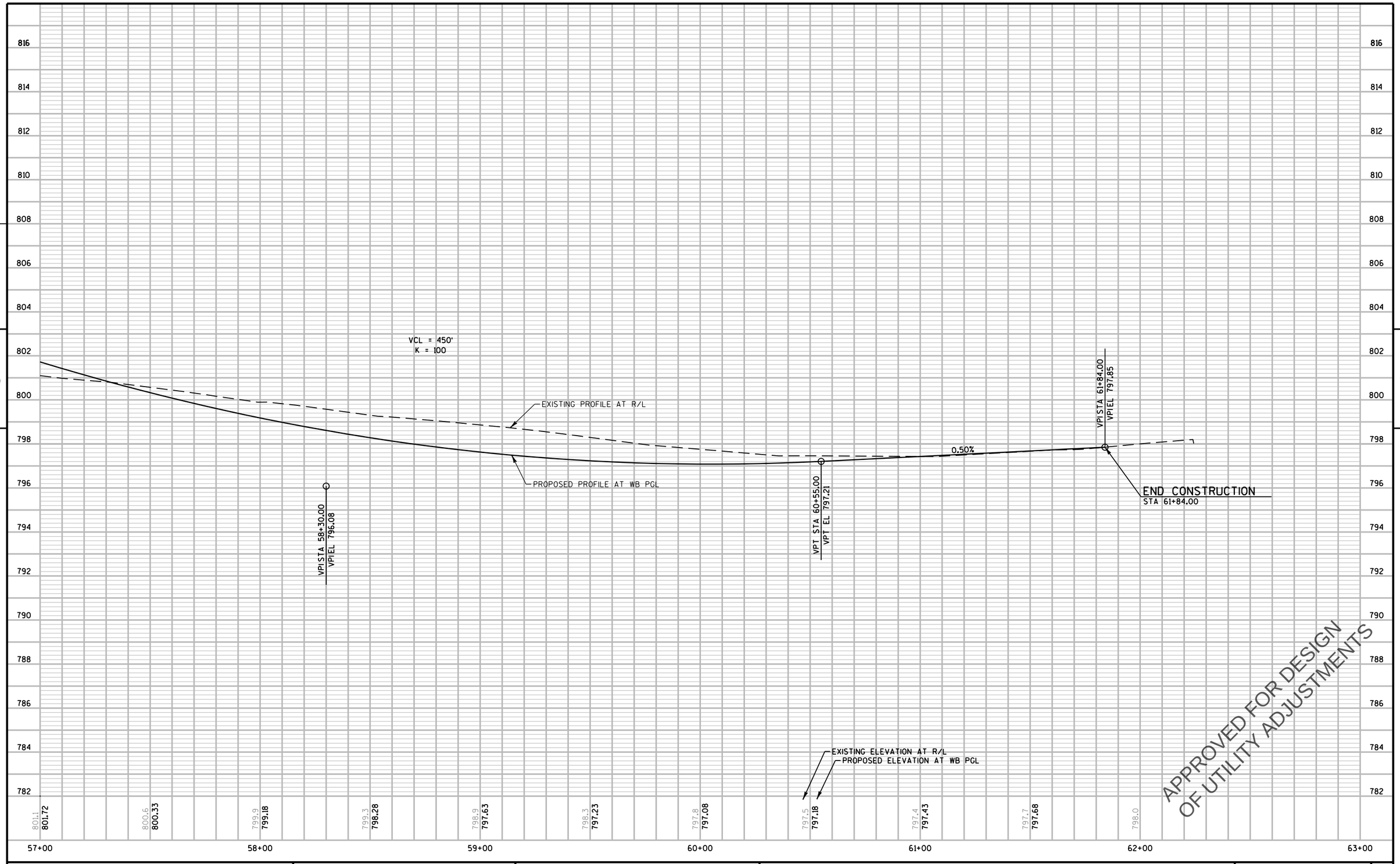
APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PROFILE: GENESSE ROAD EB	SHEET	E

PRE_231

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_050320_pp.dgn PLOT DATE : 4/11/2016 10:28:55 AM PLOT BY : dbaumann PLOT NAME : PLOT SCALE : 40:1

WISDOT/CADDS SHEET 40



PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PROFILE: GENESSE ROAD WB	SHEET	E

PRE_232

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_050321_pp.dgn PLOT DATE : 4/11/2016 10:28:57 AM PLOT BY : dbaumann PLOT NAME : PLOT SCALE : 40:1

WISDOT/CADDS SHEET 40

N

BEGIN CONSTRUCTION
STA 41+14.05

PROPOSED R/W

TLE

PROPOSED R/W

R/L SUNSET DR

5'

5'

18'

42 43 44 CTH D/SUNSET DR 45 46

S 89°30'59" E

16'

5'

5'

35'

2'

1'

MATCH LINE STA 47+00

PROPOSED R/W

PROPOSED R/W

TLE

TLE

SLOPE INTERCEPT (TYP.)

APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PLAN: SUNSET DRIVE	SHEET E

PRE_233

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_050322_pp.dgn PLOT DATE : 4/11/2016 10:29:25 AM PLOT BY : dbaumann PLOT NAME : PLOT SCALE : 40:1

WISDOT/CADDS SHEET 44

VPI STA 41+14.00
VPI EL 877.69

BEGIN CONSTRUCTION
STA 41+14.25

VPI STA 41+15.00
VPI EL 876.00

VPI STA 41+15.00
VPI EL 874.61

-9.06%
-5.23%
-5.06%
-5.00%
-5.18%
-4.98%
-4.97%
-5.08%
-4.28%
-3.00%
-2.56%
-2.08%

EXISTING PROFILE AT R/L
PROPOSED PROFILE AT PGL
SPECIAL DITCH LT
SPECIAL DITCH RT

VPI STA 43+50.00
VPI EL 862.66

VPC STA 45+00.00
VPC EL 858.51

VCL = 430'
K = 105

EXISTING ELEVATION AT R/L
PROPOSED ELEVATION AT R/L

| | | |

R/L WAUKESHA BYPASS

WETLAND BOUNDARY (TYP.)

TLE

N

PROPOSED R/W

WAUKESHA BYPASS NB

N 56°05'42" W

A 156

A 155

STA 50+80.33, 109.7'LT R/L SUNSET DR =
STA 155+35.17, 106.0'RT R/L WAUKESHA BYPASS
R=55'

STA 48+44.11, 80.0'LT R/L SUNSET DR =
STA 155+67.36, 127.5'LT R/L WAUKESHA BYPASS
R=50'

R/L SUNSET DR

TLE

PROPOSED R/W

R/L SUNSET DR

MATCH LINE STA 53+00

CTH D/SUNSET DR

N 80°29'01" E

BORE

EXISTING R/W

MATCH LINE STA 47+00

SLOPE INTERCEPT (TYP.)

PROPOSED R/W

STA 49+11.38, 109.7'RT R/L SUNSET DR =
STA 153+66.91, 114.0'LT R/L WAUKESHA BYPASS
R=55'

STA 51+45.25, 80.0'RT R/L SUNSET DR =
STA 153+35.10, 119.6'RT R/L WAUKESHA BYPASS
R=50'

WAUKESHA BYPASS SB

A 154

A 153

SEPV

APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PLAN: SUNSET DRIVE	SHEET	E

PRE_235

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_050324_pp.dgn PLOT DATE : 4/11/2016 10:29:29 AM PLOT BY : dbaumann PLOT NAME : PLOT SCALE : 40:1

WISDOT/CADDS SHEET 44

VCL = 430'
K = 105

-1.68%

-0.89%

VCL = 690'
K = 139

VPI STA 47+15.00
VPI EL 847.82

VPI STA 47+50.00
VPI EL 848.41

VPT STA 49+30.00
VPT EL 845.91

VPC STA 50+35.00
VPC EL 844.98

SPECIAL DITCH RT

PROPOSED PROFILE AT PGL

EXISTING PROFILE AT R/L

EXISTING ELEVATION AT R/L
PROPOSED ELEVATION AT R/L

| | | |

TLE

SLOPE INTERCEPT (TYP.)

PROPOSED R/W

N

WETLAND BOUNDARY (TYP.)

R/L SUNSET DR

TLE

4'

3'

35'

MATCH LINE STA 53+00

54

55

3

18'

5'

5'

56

CTH D/SUNSET DR

57

S 77°19'48" E

58

4'

10'

12'

12'

10'

4'

MATCH LINE STA 59+00

5

5

TLE

TLE

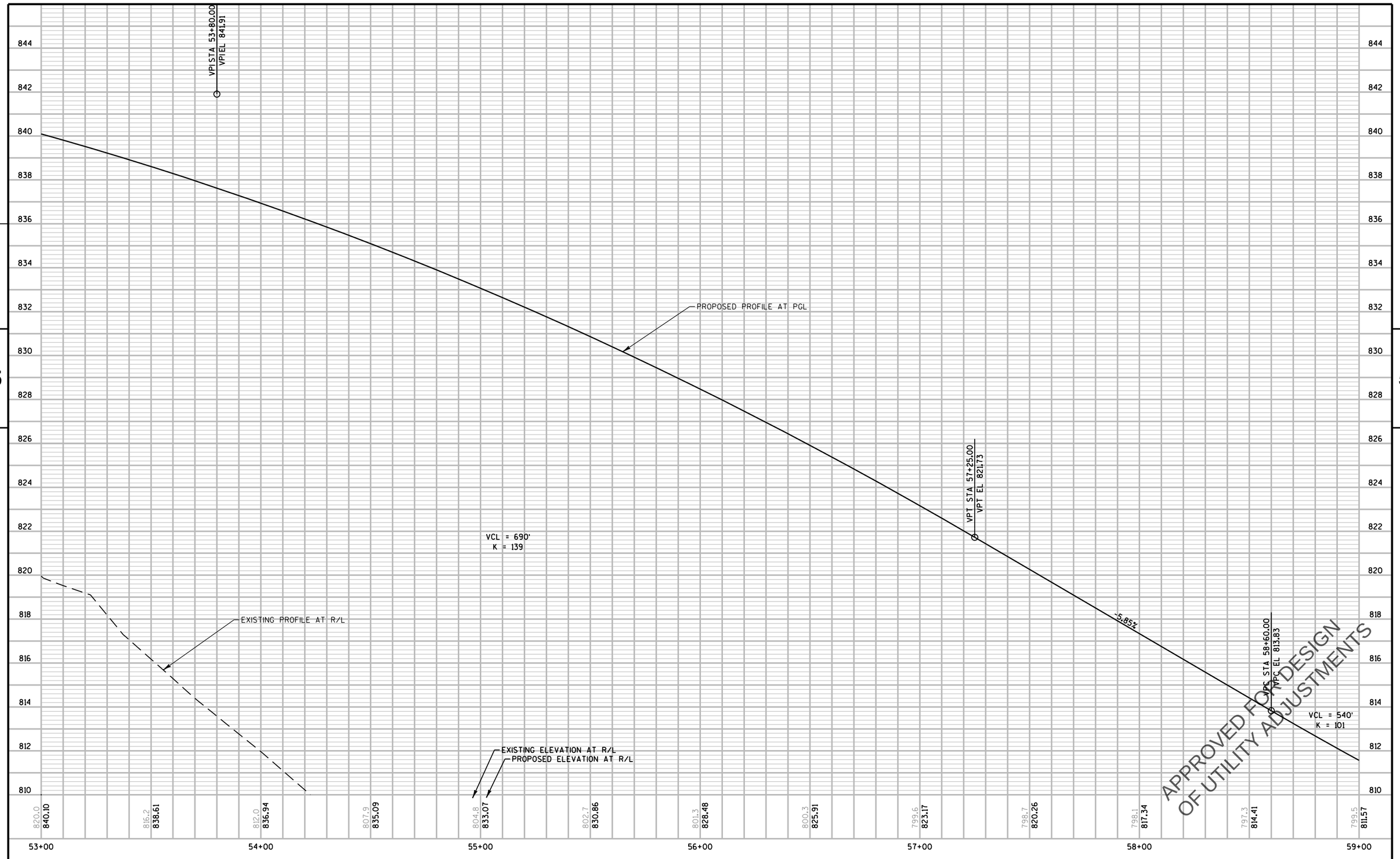
APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PLAN: SUNSET DRIVE	SHEET	E

PRE_237

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_050326_pp.dgn PLOT DATE : 4/11/2016 10:29:34 AM PLOT BY : dbaumann PLOT NAME : PLOT SCALE : 40:1

WISDOT/CADDS SHEET 44



PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PROFILE: SUNSET DRIVE	SHEET E

PRE_238

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_050327_pp.dgn PLOT DATE : 4/11/2016 10:29:36 AM PLOT BY : dbaumann PLOT NAME : PLOT SCALE : 40:1

WISDOT/CADDS SHEET 40

5

5

N

TLE

PROPOSED R/W

SLOPE INTERCEPT (TYP.)

R/L SUNSET DR

MATCH LINE STA 59+00

60 61 62 63 64 65

4' 10' 12' 12' 10' 4'

CTH D/SUNSET DR

WETLAND BOUNDARY (TYP.)

TLE

PROPOSED R/W

END CONSTRUCTION
STA 64+00.00

APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PLAN: SUNSET DRIVE	SHEET E

PRE_239

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_050328_pp.dgn PLOT DATE : 4/11/2016 10:29:38 AM PLOT BY : dbaumann PLOT NAME : PLOT SCALE : 40:1

WISDOT/CADDS SHEET 44

820
818
816
814
812
810
808
806
804
802
800
798
796
794
792
790
788
786

5

VCL = 540'
K = 101

PROPOSED PROFILE AT PGL

EXISTING PROFILE AT R/L

VPI STA 61+30.00
VPI EL 798.03

VPT STA 64+00.00
VPT EL 796.68

END CONSTRUCTION
STA 64+00.00

EXISTING ELEVATION AT R/L
PROPOSED ELEVATION AT R/L

799.5 811.57
799.8 808.96
799.6 806.61
799.1 804.50
798.5 802.64
798.0 801.03
797.6 799.66
797.2 798.55
797.0 797.68
796.9 797.06
796.7 796.68
796.7
796.6

59+00 60+00 61+00 62+00 63+00 64+00 65+00

APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PROFILE: SUNSET DRIVE	SHEET E

PRE_240

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_050329_pp.dgn PLOT DATE : 4/11/2016 10:29:41 AM PLOT BY : dbaumann PLOT NAME : PLOT SCALE : 40:1

WISDOT/CADDS SHEET 40

5

5

N

POST

OHP

OH

G

WV

2'

3'

STA 44+02.32
55.0' LT
R=40'

PROPOSED R/W

GUY

R/L GREEN LN

2'
5'
12'
12'
5'
2'

44

45

46

N 83°53'10" E

GREEN LN

S 82°06'24" E

MATCH LINE STA 47+00

BEGIN CONSTRUCTION
STA 43+58.09

PROPOSED R/W

STA 44+03.86
55.0' RT
R=40'

3'

2'

SLOPE INTERCEPT (TYP.)

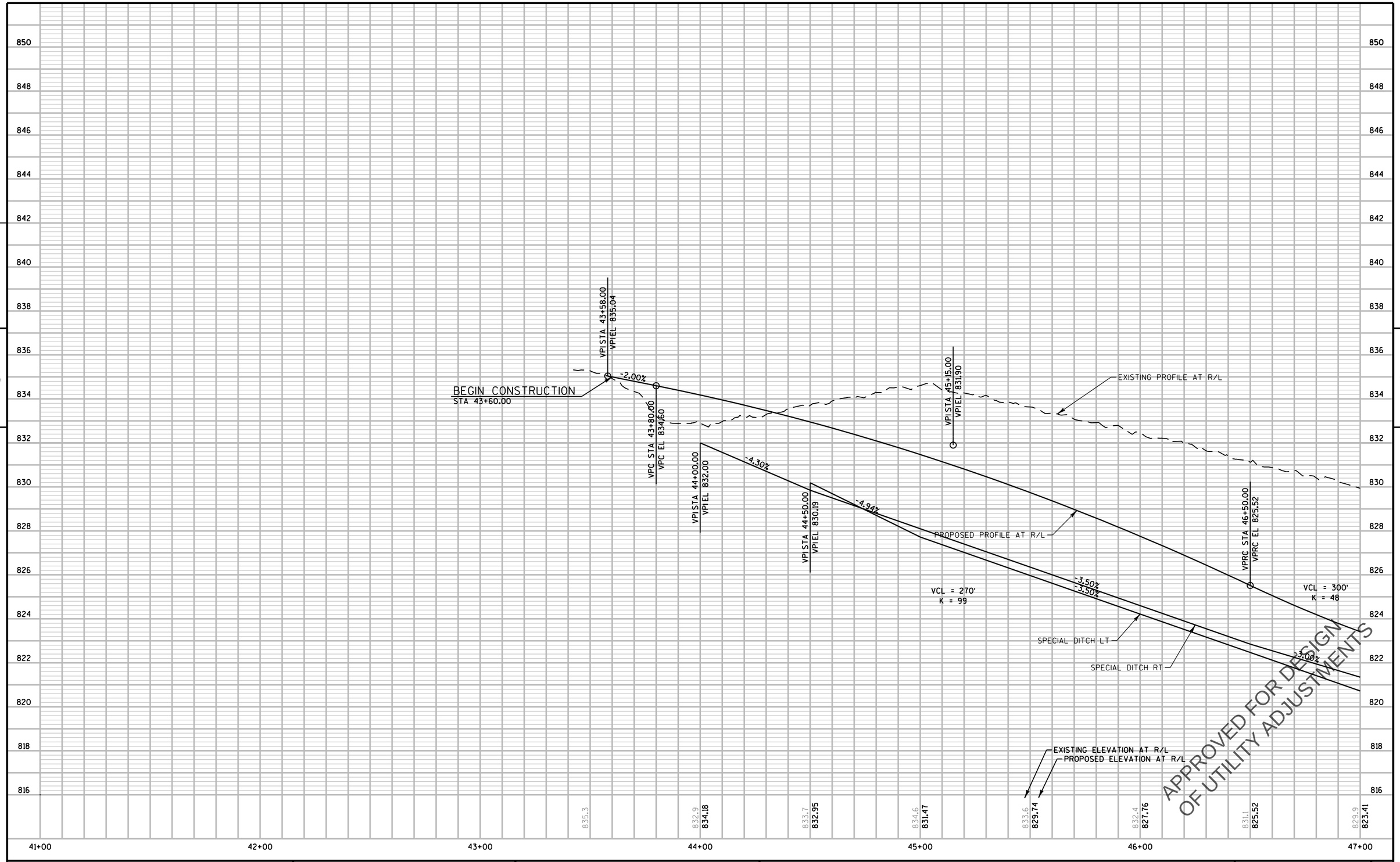
TLE

BORE

APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PLAN: GREEN LANE	SHEET	E

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_050330_pp.dgn PLOT DATE : 4/11/2016 10:30:27 AM PLOT BY : dbaumann PLOT NAME : PLOT SCALE : 40:1



APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PROFILE: GREEN LANE	SHEET E

PRE_242

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_050331_pp.dgn PLOT DATE : 4/11/2016 10:30:30 AM PLOT BY : dbaumann PLOT NAME : PLOT SCALE : 40:1

WISDOT/CADDS SHEET 40

5

MATCH LINE STA 47+00

STA 48+88.10, 55.0'LT
R/L GREEN LN =
STA 166+49.20, 96.0'LT
R/L WAUKESHA BYPASS
R=40'

TLE

PROPOSED RW

TLE

R/L GREEN LN

5
12'
2'
48
5'
12'
2'

WAUKESHA BYPASS SB

A 168

A 167

WAUKESHA BYPASS NB

PROPOSED RW

R/L WAUKESHA BYPASS

N

TLE

PROPOSED R/W

GREEN LN

49

A 166

N 62°37'58" E

SLOPE INTERCEPT (TYP.)

WETLAND BOUNDAY (TYP.)

STA 49+16.93, 55.0'RT R/L SUNSET DR =
STA 165+31.35, 91.0'LT R/L WAUKESHA BYPASS
R=40'

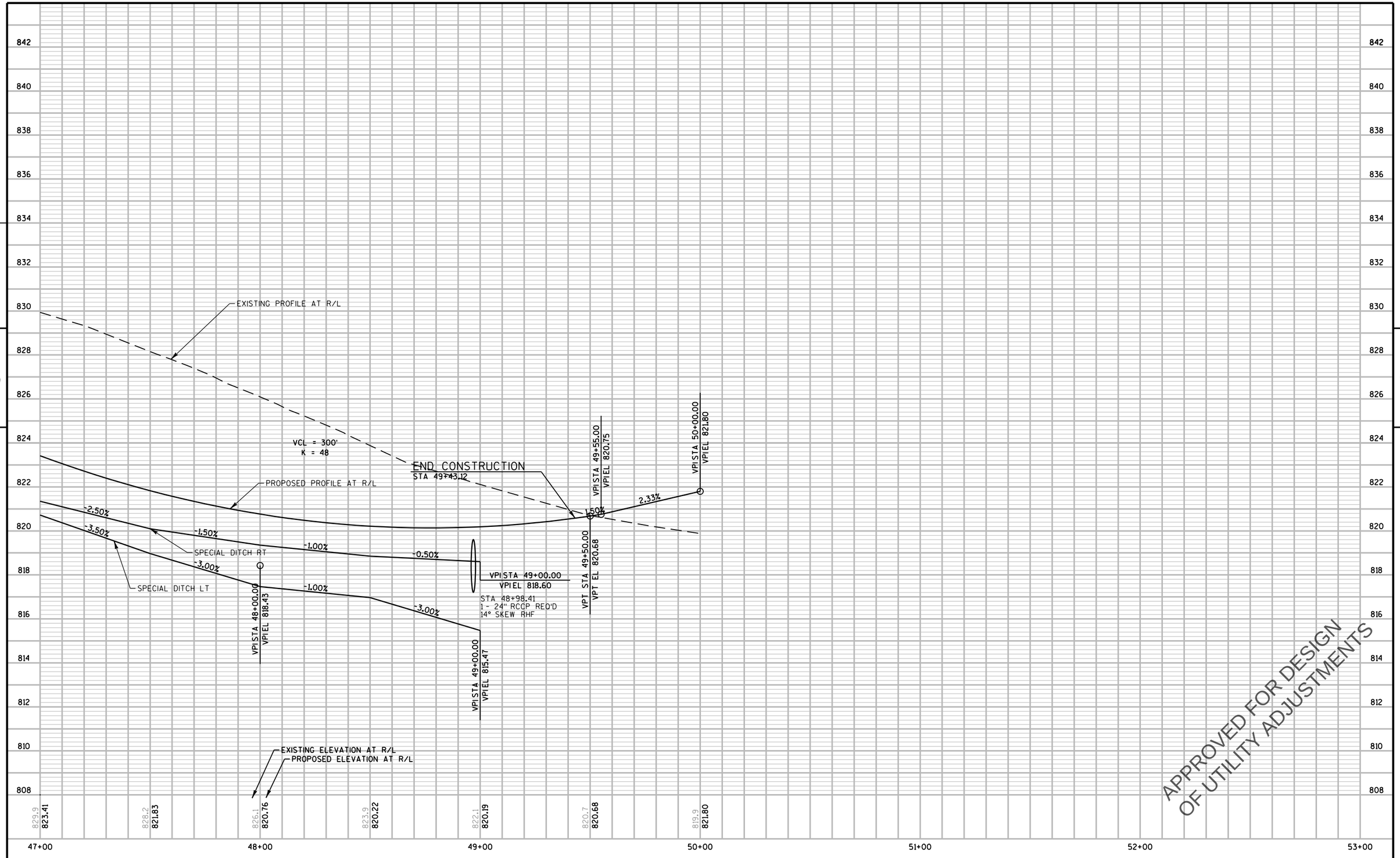
A 165

END CONSTRUCTION
STA 49+55.31

APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PLAN: GREEN LANE	SHEET	E

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_050332_pp.dgn PLOT DATE : 4/11/2016 10:30:32 AM PLOT BY : dbaumann PLOT NAME : PLOT SCALE : 40:1

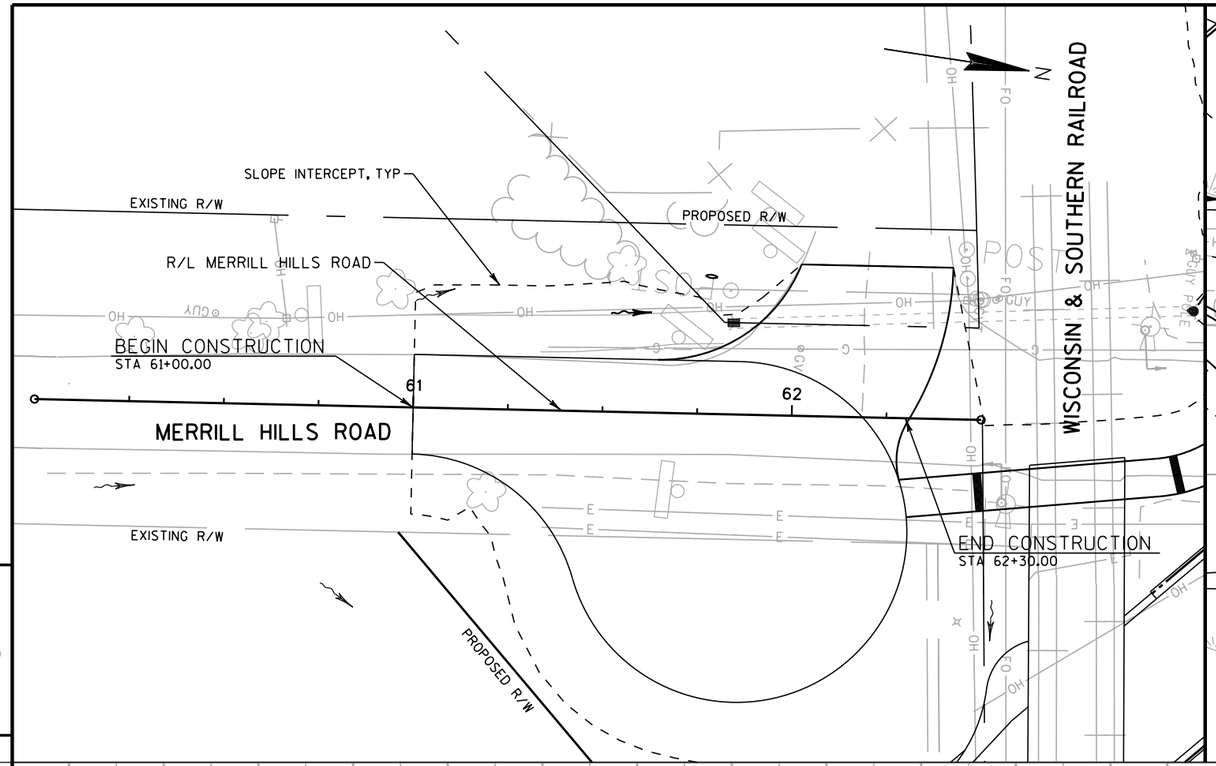


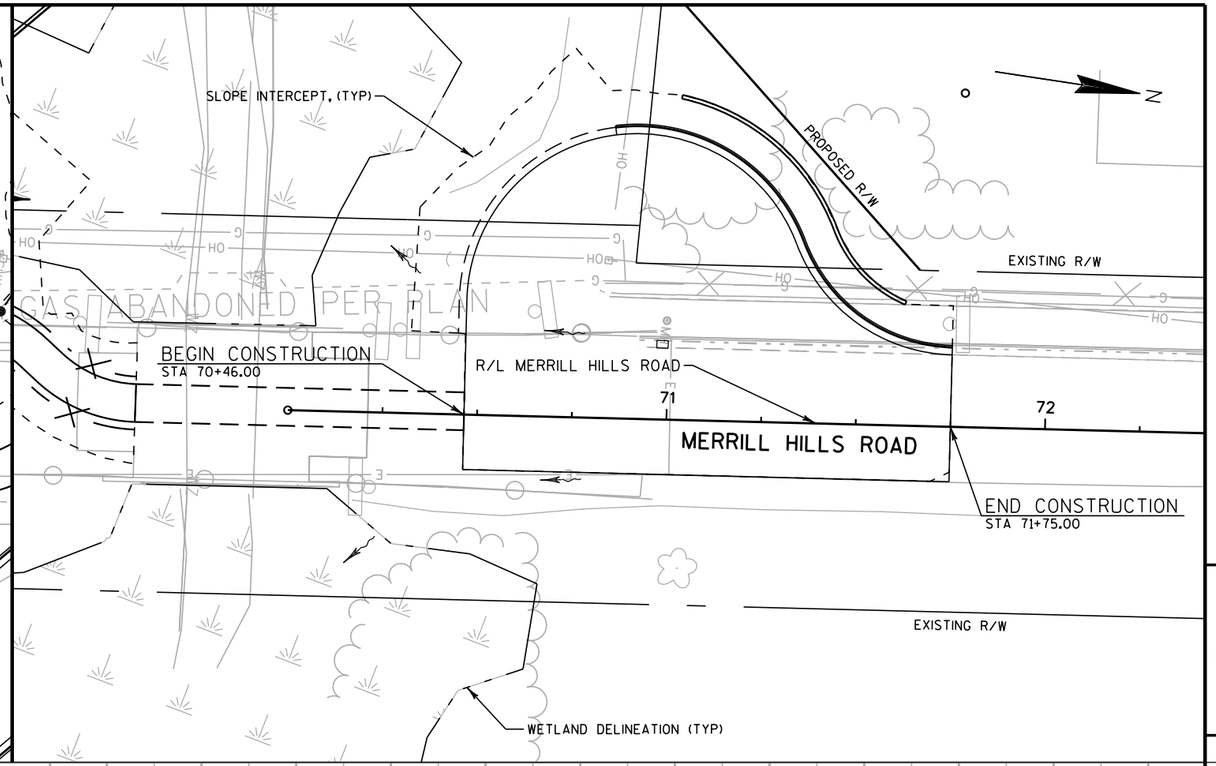
PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PROFILE: GREEN LANE	SHEET	E

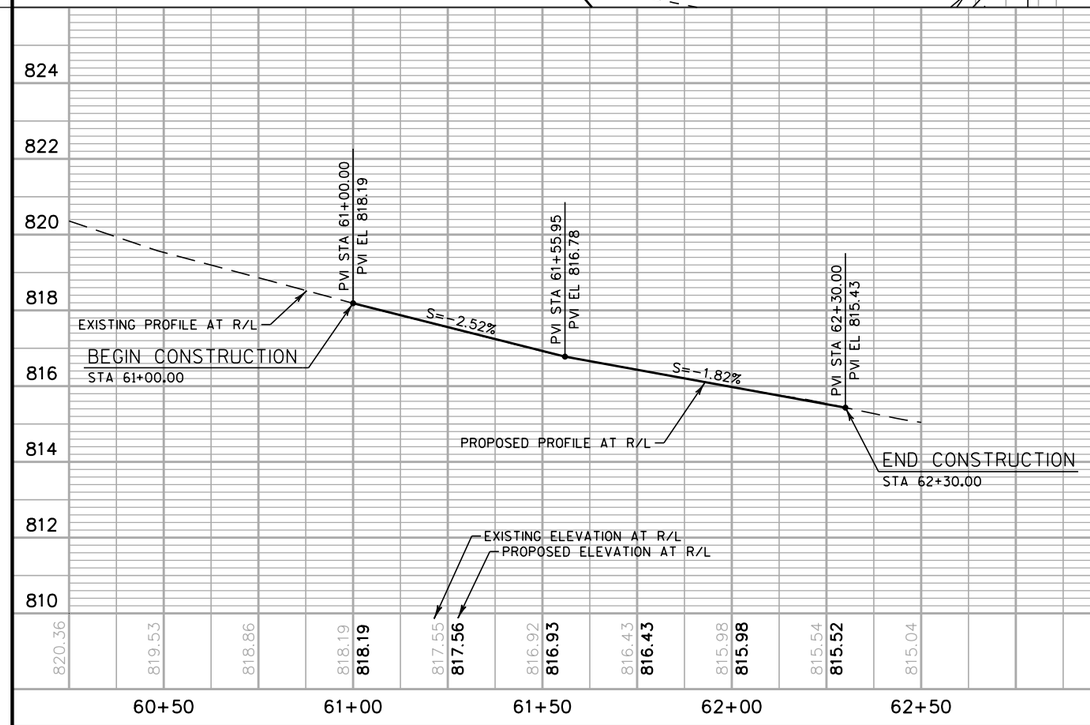
PRE_244

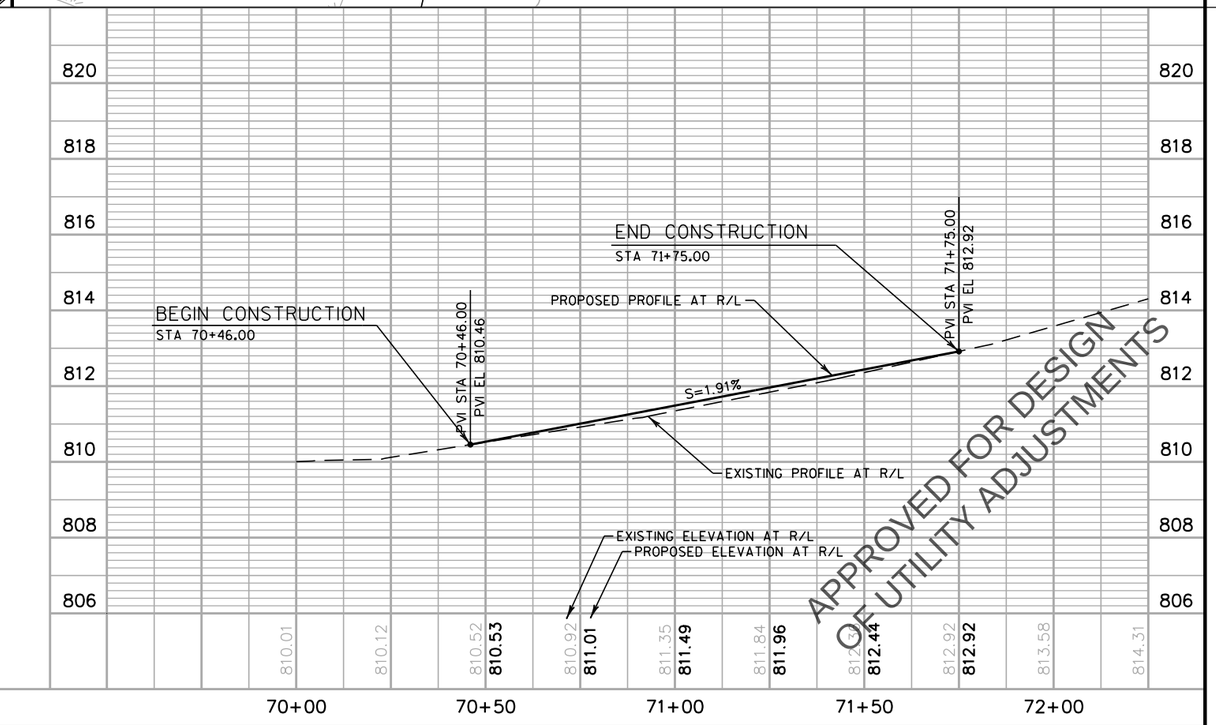
FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_050333_pp.dgn PLOT DATE : 4/11/2016 10:30:34 AM PLOT BY : dbaumann PLOT NAME : PLOT SCALE : 40:1

WISDOT/CADDS SHEET 40









APPROVED FOR DESIGN OF UTILITY ADJUSTMENTS

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PLAN AND PROFILE: MERRILL HILLS ROAD	SHEET E

PRE_245

FILE NAME : F:\BM1-3324 USH 18 Bypass\5_Design\03_Roads\cds\by_050341_pp.dgn PLOT DATE : 11-APR-2016 16:44 PLOT BY : apacada PLOT NAME : PLOT SCALE : 40:1

WISDOT/CADDS SHEET 30

A 188

A 187

A 186

A 185

CTR 30'R
STA A 186+61.82, 81.0'RT =
STA 50+81.76, 54.0'LT

BEGIN CONSTRUCTION
STA 50+55.00

SLOPE INTERCEPT, (TYP)

PROPOSED R/W

R/L MACARTHUR RD

MACARTHUR RD

MATCHLINE STA 55+00

PROPOSED R/W

STA. A 186+05.58 BYPASS
STA. 50+00.00 MACARTHUR ROAD

CTR 40'R
STA A 185+47.75, 96.0'RT =
STA 50+96.79, 55.0'RT

WAUKESHA BYPASS NB

WETLAND DELINEATION (TYP)

OBORE

APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PLAN: MACARTHUR ROAD	SHEET E

PRE_246

FILE NAME : F:\BM1-3324 USH 18 Bypass\5_Design\03_Roads\cds\by_050342_pp.dgn PLOT DATE : 11-APR-2016 16:44 PLOT BY : apacada PLOT NAME : PLOT SCALE : 40:1

WISDOT/CADDS SHEET 44

VCL 440.00
K 64.04

820
818
816
814
812
810
808
806

WAUKESHA BYPASS AT R/L

BEGIN CONSTRUCTION
STA 50+55.00

PVI STA 50+55.00
PVI EL 812.09

PVC STA 50+60.00
PVC EL 811.97

S=1.40%

PVI STA 51+30.00
PVI EL 807.30

SPECIAL DITCH LT

S=-0.50%

52+13.66
810.12

PVI STA 52+40.00
PVI EL 806.75

29" HECPRC

S=5.78%

PVI STA 52+80.00
PVI EL 809.06

PVI STA 52+80.00
PVI EL 806.69

PROPOSED PROFILE AT PGL

EXISTING PROFILE AT R/L

EXISTING ELEVATION AT R/L
PROPOSED ELEVATION AT PGL

PVT STA 55+00.00
PVT EL 816.52

S=0.40%

| | | |

WETLAND DELINEATION (TYP)

MERRILL HILLS ROAD

SLOPE INTERCEPT, (TYP)

CTR 40'R
STA 56+07.00, 54.6'LT

PROPOSED R/W

30'

END CONSTRUCTION
STA 56+50.00

CTR 40'R
STA 57+17.00, 53.4'LT

EXISTING R/W

R/L MACARTHUR RD

MACARTHUR RD

MATCHLINE STA 55+00

2'
5'
12'
12'
5'
2'

56

57

58

PROPOSED R/W

CTR 40'R
STA 56+05.33, 55.4'RT

EXISTING R/W

CTR 40'R
STA 57+15.32, 56.5'RT

30'

GUY

WELL

APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS

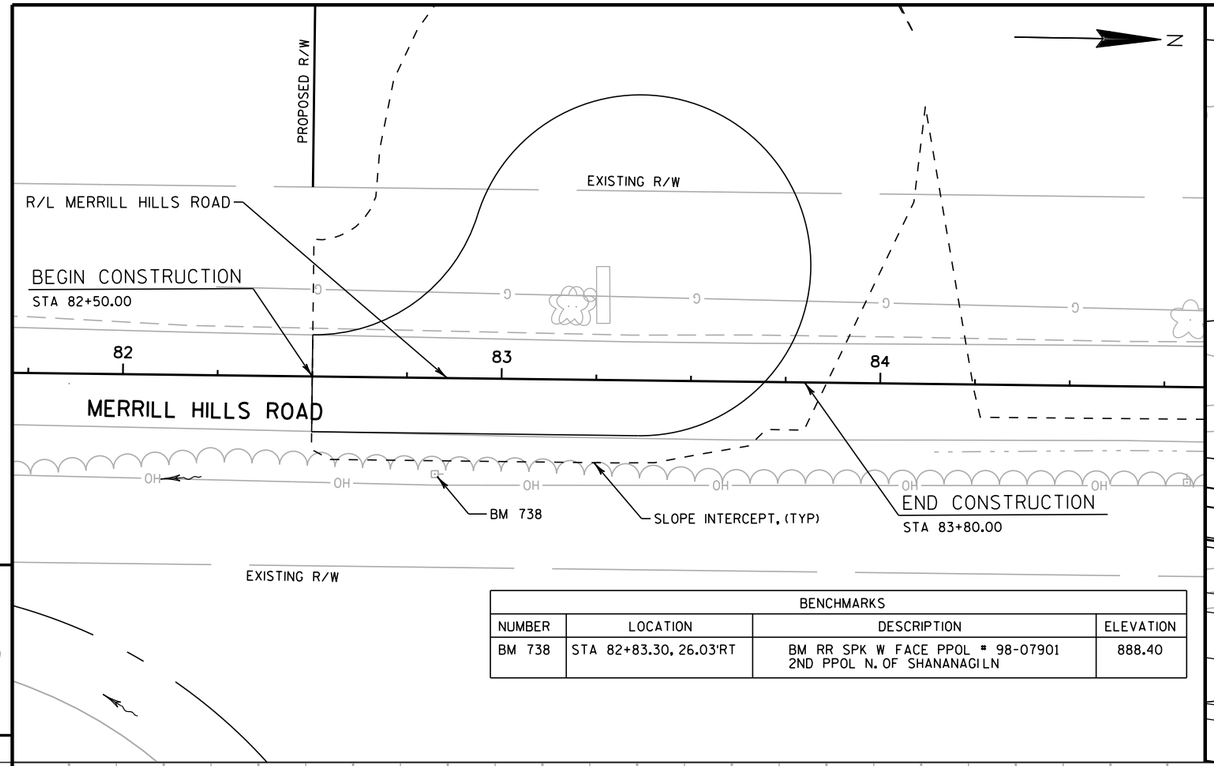
PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PLAN: MACARTHUR ROAD	SHEET E

PRE_248

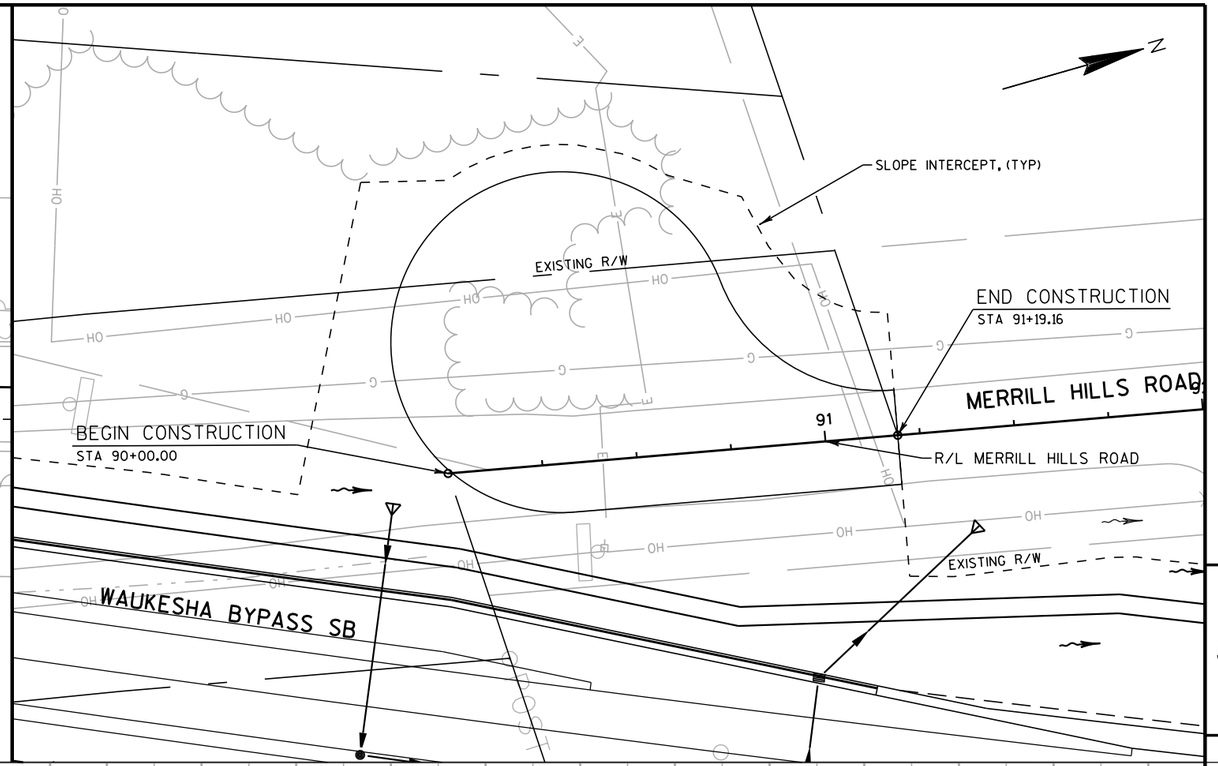
828
826
824
822
820
818
816
814
812

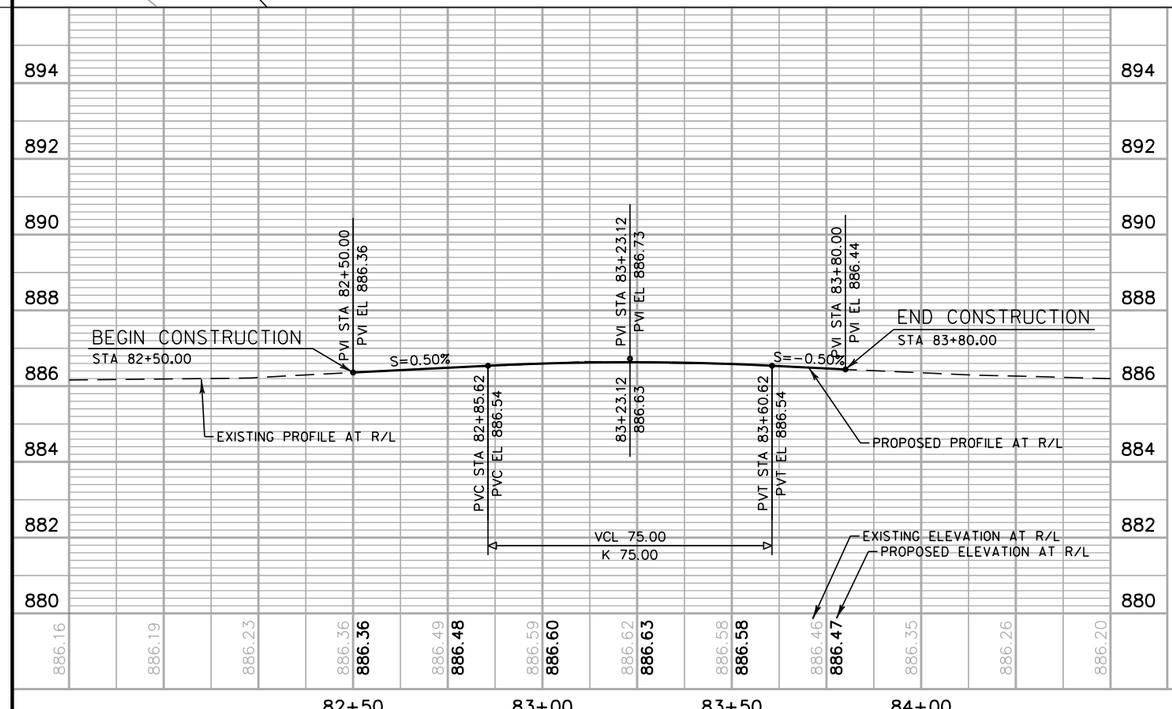
PVT STA 55+00.00
PVT EL 816.52
S=4.47%
PVC STA 55+50.00
PVC EL 818.76
PROPOSED PROFILE AT PGL
PVI STA 56+00.00
PVI EL 821.00
S=-2.66%
S=-1.04%
PVI STA 56+61.20
PVT EL 822.62
PVI STA 56+74.34
PVT EL 822.49
PVT STA 56+50.00
PVT EL 822.33
END CONSTRUCTION
STA 56+50.00
EXISTING PROFILE AT R/L
VCL 100.00
K 55.21
EXISTING ELEVATION AT R/L
PROPOSED ELEVATION AT PGL

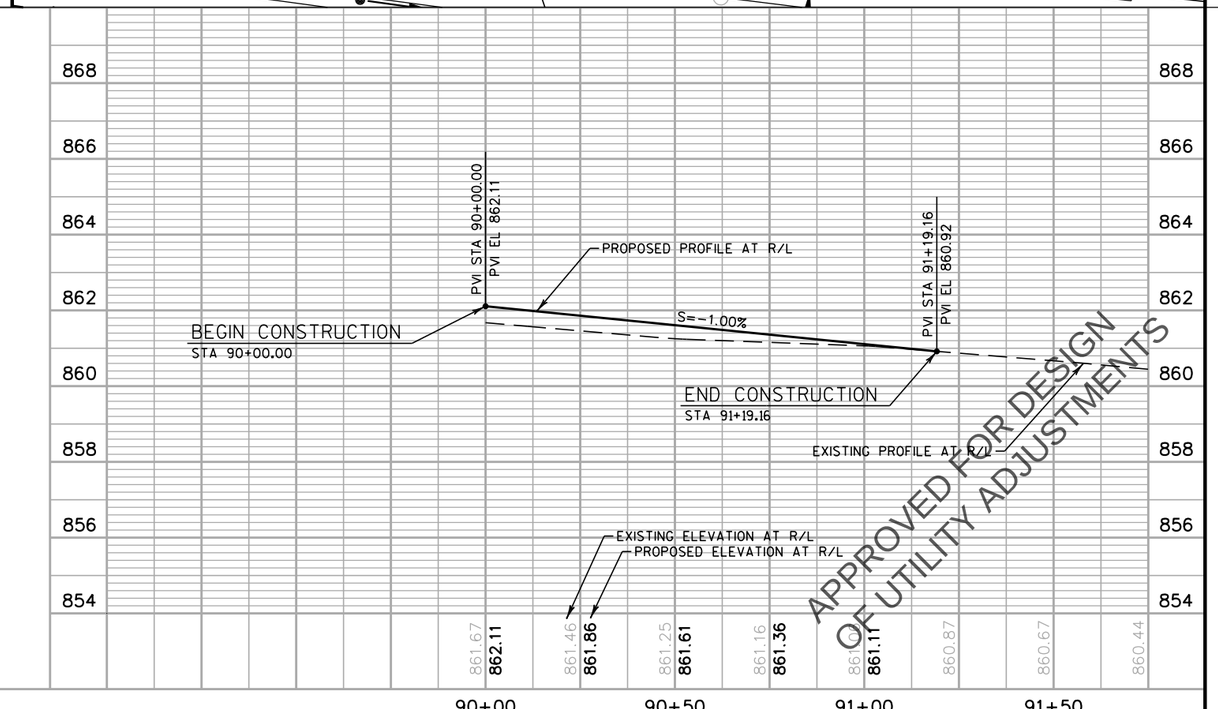
| | | |



BENCHMARKS			
NUMBER	LOCATION	DESCRIPTION	ELEVATION
BM 738	STA 82+83.30, 26.03'RT	BM RR SPK W FACE PPOL * 98-07901 2ND PPOL N. OF SHANANAGILN	888.40







APPROVED FOR DESIGN OF UTILITY ADJUSTMENTS

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PLAN AND PROFILE: MERRILL HILLS ROAD	SHEET E

PRE_250

BENCHMARKS			
NUMBER	LOCATION	DESCRIPTION	ELEVATION
BM 736	STA 49+13.17, 00.35'RT	BM RR SPK E. FACE LPOL * 88-06892 MEDIAN KAMME TER. AND CTH TT	865.70

WAUKESHA BYPASS SB

WAUKESHA BYPASS NB

A 223

A 222

A 221

A 220

TLE

R/W

N

SLOPE INTERCEPT, (TYP.)

EXISTING R/W

CTR 30'R
STA 221+88.39, 86.0'LT =
STA 49+19.98, 59.0'LT

BEGIN CONSTRUCTION
STA 48+35.00

KAME TERRACE

3"

20'

11'

11'

3"

BM 736

EXISTING R/W

R/L KAME TER

CTR 30'R
STA A 220+69.29, 81.0'LT =
STA 49+11.63, 59.0'LT

R/L WAUKESHA BYPASS

STA. A 221+38.31 BYPASS
STA. 50+00.00 KAME TERRACE

APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS

46 47 48 49

5

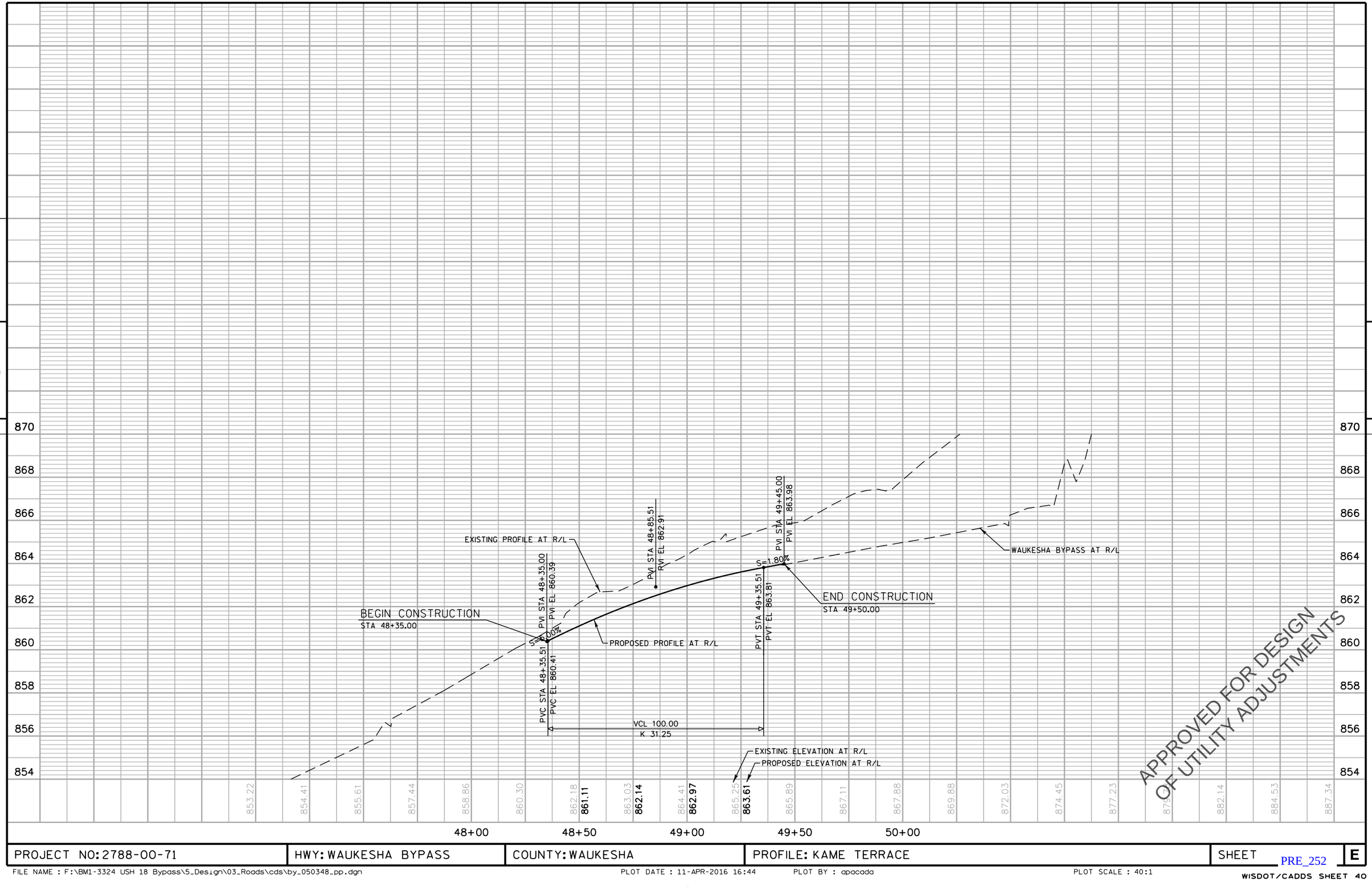
5

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PLAN: KAME TERRACE	SHEET E

PRE_251

FILE NAME : F:\BM1-3324 USH 18 Bypass\5_Design\03_Roads\cds\by_050347_pp.dgn PLOT DATE : 11-APR-2016 16:44 PLOT BY : apacada PLOT NAME : PLOT SCALE : 40:1

WISDOT/CADDS SHEET 44



PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PROFILE: KAME TERRACE	SHEET	E

PRE_252

SLOPE INTERCEPT, (TYP)
2'
EXISTING R/W
CTR 40'R
STA A 235+12.84, 96.0'LT =
STA 49+03.92, 55.0'LT
3'
R/L MERRILL HILLS CT
49
15'
15'
MERRILL HILLS CT
BEGIN CONSTRUCTION
STA 48+53.50
CTR 40'R
STA A 234+01.90, 91.0'LT =
STA 49+08.80, 55.0'RT
2'
3'
A 235
A 234
WAUKESHA BYPASS SB
WAUKESHA BYPASS NB
TLE
TLE
PROPOSED R/W
R/L WAUKESHA BYPASS
STA. A 234+57.45 BYPASS
STA. 50+00.00 MERRILL HILLS CT
N
@BORE

PVI STA 48+53.50
PVI EL 865.56
PROPOSED PROFILE AT R/L
S=-1.20%
PVI STA 49+49.00
PVI EL 864.41
END CONSTRUCTION
STA 49+49.00
BEGIN CONSTRUCTION
STA 48+53.50
WAUKESHA BYPASS AT R/L
EXISTING PROFILE AT R/L
EXISTING ELEVATION AT R/L
PROPOSED ELEVATION AT R/L

870 868 866 864 862 860 858 856

865.65 864.80 **865.30** 864.41 **865.00** 863.97 **864.70** 863.10 862.23

48+50 49+00 49+50 50+00

APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PLAN AND PROFILE: MERRILL HILLS COURT	SHEET E

PRE_253

FILE NAME : F:\BM1-3324 USH 18 Bypass\5_Design\03_Roads\cds\by_050349_pp.dgn PLOT DATE : 11-APR-2016 16:44 PLOT BY : apacada PLOT NAME : PLOT SCALE : 40:1

WISDOT/CADDS SHEET 30

BENCHMARKS			
NUMBER	LOCATION	DESCRIPTION	ELEVATION
BM 729	STA 49+15.70, 27.57'LT	UPPER NNE BOLT IST HYD E OF CTH TT ON N SIDE OF MADISON ST (CTH T)	854.33

EXISTING RETAINING WALL

SLOPE INTERCEPT, (TYP)

EXISTING R/W

PROPOSED R/W

TLE

WAUKESHA BYPASS SB

A 256

BM 729

MADISON ST

R/L MADISON ST

BEGIN CONSTRUCTION
STA 48+00.00

STA. A 255+13.69 BYPASS
STA. 50+00.00 MADISON ST

PLE

WETLAND DELINEATION (TYP)

EXISTING R/W

A 255

A 254

WAUKESHA BYPASS NB

R/L WAUKESHA BYPASS

253

TLE

EXISTING R/W

MATCHLINE STA 51+50

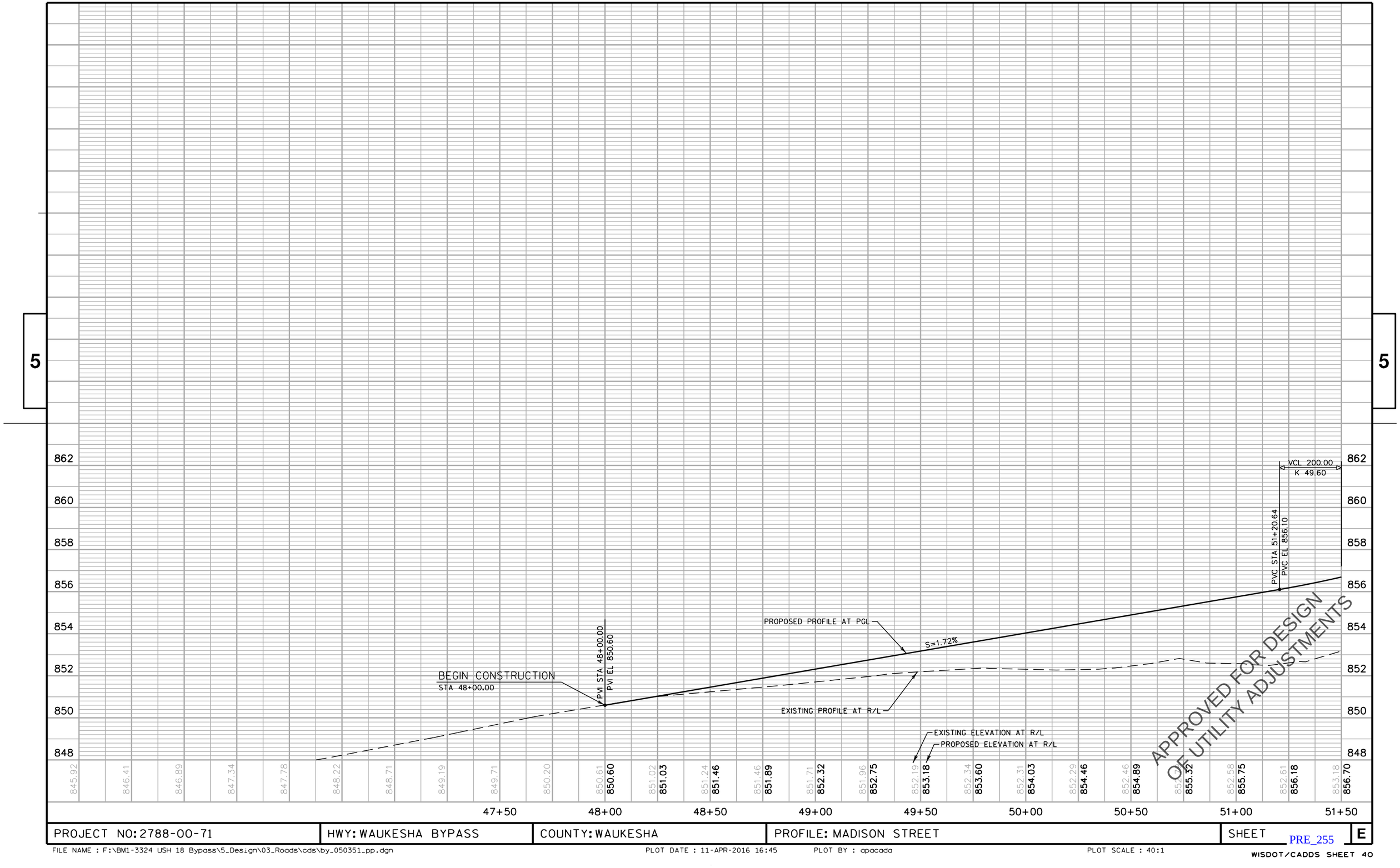
APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PLAN: MADISON STREET	SHEET	E

PRE_254

FILE NAME : F:\BM1-3324 USH 18 Bypass\5_Design\03_Roads\cds\by_050350_pp.dgn PLOT DATE : 11-APR-2016 16:44 PLOT BY : apacada PLOT NAME : PLOT SCALE : 40:1

WISDOT/CADDS SHEET 44



PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PROFILE: MADISON STREET	SHEET E

PRE_255

FILE NAME : F:\BM1-3324 USH 18 Bypass\5_Design\03_Roads\cds\by_050351_pp.dgn PLOT DATE : 11-APR-2016 16:45 PLOT BY : apacada PLOT SCALE : 40:1

WISDOT/CADDS SHEET 40

SLOPE INTERCEPT, (TYP)

TLE

EXISTING R/W

R/L MADISON ST

MATCHLINE STA 51+50

MADISON ST

18"RCSP

EXISTING R/W

TLE

END CONSTRUCTION

STA 53+97.00

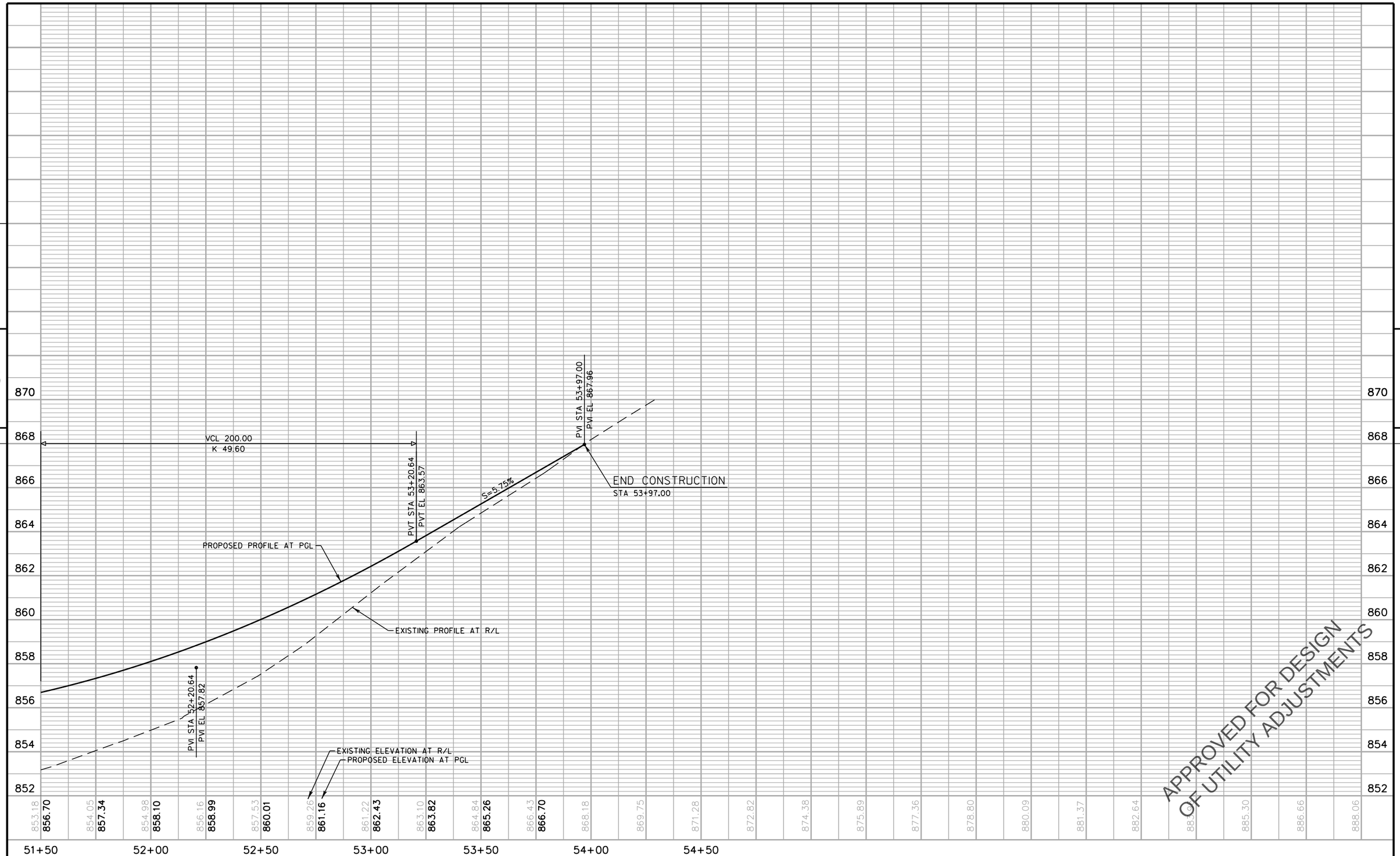
APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PLAN: MADISON STREET	SHEET E

PRE_256

FILE NAME : F:\BM1-3324 USH 18 Bypass\5_Design\03_Roads\cds\by_050352_pp.dgn PLOT DATE : 11-APR-2016 16:45 PLOT BY : apacada PLOT NAME : PLOT SCALE : 40:1

WISDOT/CADDS SHEET 44



APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PROFILE: MADISON STREET	SHEET E

FILE NAME : F:\BM1-3324 USH 18 Bypass\5_Design\03_Roads\cds\by_050353_pp.dgn
PLOT DATE : 11-APR-2016 16:45
PLOT BY : apacada
PLOT SCALE : 40:1
WISDOT/CADDS SHEET 40

WE ENERGIES

CITY OF WAUKESHA

DOROTHY A. HEALE

BRUCE A. & KATHLEEN M. BROWN

N

WAUKESHA BYPASS SB

A 265

A 264

A 263

A 262

R/L WAUKESHA BYPASS

R/W

SLOPE INTERCEPT

PROPOSED R/W

STA A 263+54.12 BYPASS
STA 50+00.00 KISDON HILL DRIVE

R/L KISDON HILL DR

SLOPE INTERCEPT, (TYP)

CTR 25'R
STA A 263+96.88, 72.0'RT =
STA 50+72.56, 42.0'RT

TLE

9'

13'

13'

9'

6'

51

52

53

54

55

EXISTING R/W

EXISTING R/W

KISDON HILL DR

END CONSTRUCTION
STA 53+75.00
MATCH EXISTING
SAW CUT REQ'D

CTR 40'R
STA A 262+99.29, 96.0'RT =
STA 50+94.92, 57.0'RT

PROPOSED R/W

TLE

TLE

CITY OF WAUKESHA

JOHN P. NEBEL

WAYNE J. & BETTY J. BARNETT

APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS

5

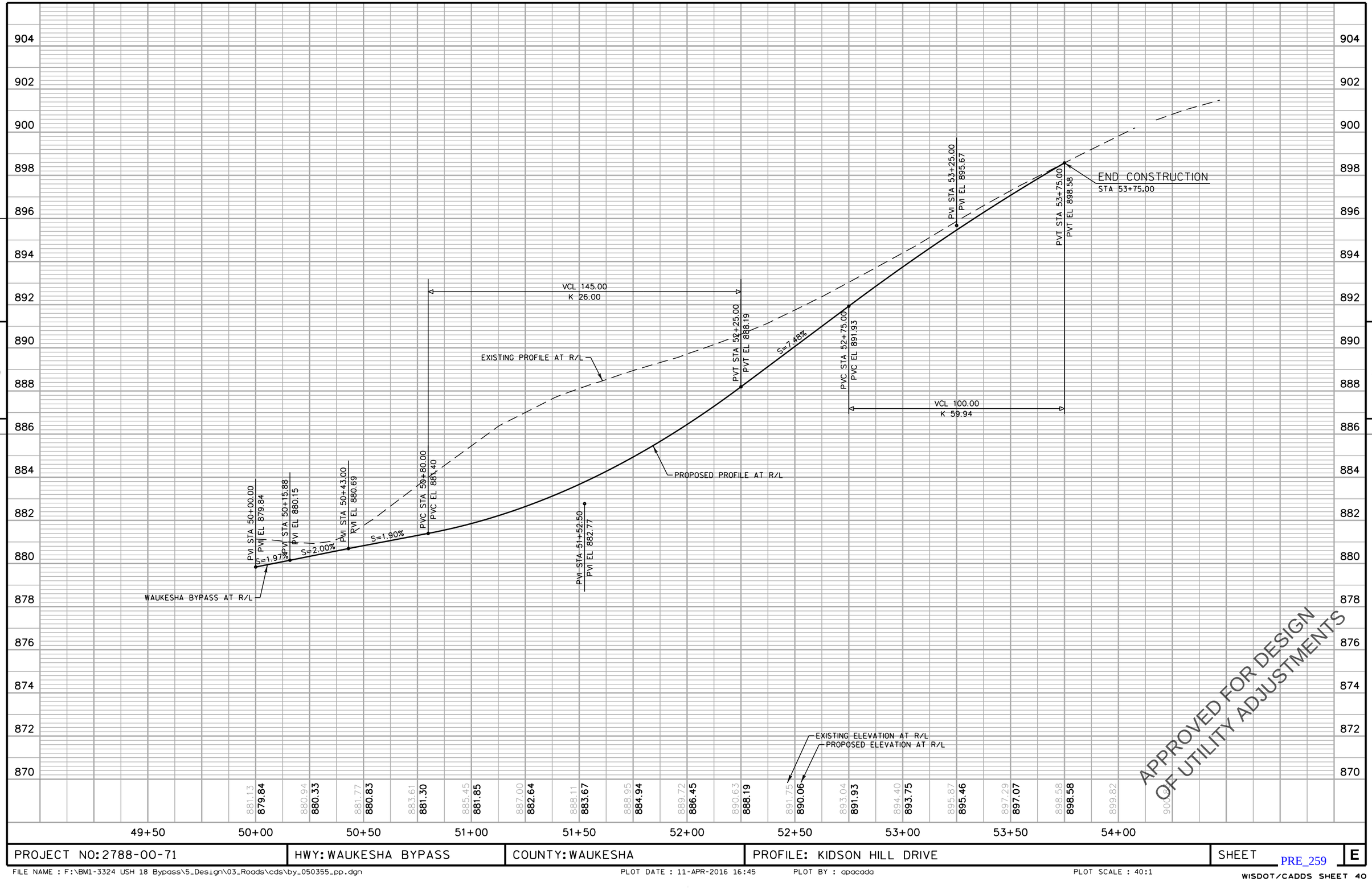
5

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PLAN: KIDSON HILL DRIVE	SHEET	E

PRE_258

FILE NAME : F:\BM1-3324 USH 18 Bypass\5_Design\03_Roads\cds\by_050354_pp.dgn PLOT DATE : 11-APR-2016 16:45 PLOT BY : apacada PLOT NAME : PLOT SCALE : 40:1

WISDOT/CADDS SHEET 44



PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PROFILE: KIDSON HILL DRIVE	SHEET E

PRE_259

FILE NAME : F:\BM1-3324 USH 18 Bypass\5_Design\03_Roads\cds\by_050355_pp.dgn PLOT DATE : 11-APR-2016 16:45 PLOT BY : apacada PLOT SCALE : 40:1

WISDOT/CADDS SHEET 40

BEGIN CONSTRUCTION
STA 45+80.00

SLOPE INTERCEPT, TYP

R/L GLACIAL DRUMLIN TRAIL

GLACIAL DRUMLIN TRAIL

CTR 10' R
STA 47+15.07, 15.0' RT =
STA 10+16.29, 15.0' LT

CTR 10' R
STA 46+85.02, 15.0' RT =
STA 10+15.00, 14.5' RT

GLACIAL DRUMLIN TRAIL
SW CONNECTION

R/L GLACIAL DRUMLIN TRAIL
SW CONNECTION

WISCONSIN & SOUTHERN RAILROAD

WAUKESHA BYPASS SB

WAUKESHA BYPASS NB

R/L WAUKESHA BYPASS

C-67-88

WETLAND DELINEATION (TYP)

A 176

A 175

A 174

N

5

5

46 47 48 49 50 51

11 12

814 812 810 808 806 804 802 800

BEGIN CONSTRUCTION
STA 45+80.00

PVC STA 45+80.00
PVC EL 809.72

PVI STA 46+80.00
PVI EL 809.72

EXISTING PROFILE AT R/L

VCL 200.00
K 66.67

PVT STA 47+80.00
PVT EL 806.72

S=-3.00%

PVC STA 48+20.00
PVC EL 805.52

VCL 100.00
K 40.00

PVI STA 48+70.00
PVI EL 804.02

PVT STA 49+20.00
PVT EL 803.77

PROPOSED PROFILE AT R/L

S=-0.50%

EXISTING ELEVATION AT R/L
PROPOSED ELEVATION AT R/L

PVC STA 51+00.00
PVC EL 802.87

VCL 100.00
K 28.57

51+14.29
802.84

(PVI STA 51+50.00
EL 802.62

APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS

809.74	809.77	809.74	809.69	809.80	809.57	809.66	809.36	809.66	809.05	809.70	808.64	809.66	808.15	809.66	807.56	809.58	806.87	809.58	806.12	809.54	805.38	810.20	804.74	810.89	804.25	811.85	803.92	812.64	803.75	813.21	803.62	812.71	803.50	811.71	803.37	811.03	803.25	810.48	803.12	810.06	803.00	809.73	802.87	809.59	802.86	(PVI STA 51+50.00	803.06
45+50		46+00		46+50		47+00		47+50		48+00		48+50		49+00		49+50		50+00		50+50		51+00		51+50																							

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PLAN AND PROFILE: GLACIAL DRUMLIN TRAIL	SHEET E

PRE_260

FILE NAME : F:\BM1-3324 USH 18 Bypass\5_Design\03_Roads\cds\by_050401_pp.dgn PLOT DATE : 11-APR-2016 16:45 PLOT BY : apacada PLOT NAME : PLOT SCALE : 40:1

WISDOT/CADDS SHEET 30

R/L GLACIAL DRUMLIN TRAIL

CTR 30'R
STA 53+25+46, 28.1'RT =
STA 19+57.49, 5.0'LT

END CONSTRUCTION
STA 54+71.00

52

GLACIAL DRUMLIN TRAIL

53

54

18

GLACIAL DRUMLIN TRAIL
SE CONNECTION

19

CTR 10'R
STA 53+62.69, 15.0'RT =
STA 19+83.33, 15.0'RT

SLOPE INTERCEPT, (TYP)

CTR 10'R
STA 53+28.23, 15.0'RT =
STA 19+70.31, 15.0'LT

R/L GLACIAL DRUMLIN TRAIL
SE CONNECTION

WETLAND DELINEATION (TYP)

WISCONSIN & SOUTHERN RAILROAD

N

5

5

814
812
810
808
806
804
802
800

EXISTING PROFILE AT R/L

PVI STA 53+71.00
PVI EL 809.25

END CONSTRUCTION
STA 54+71.00

VCL 100.00
K 28.57

PVT STA 52+00.00
PVT EL 804.12

PROPOSED PROFILE AT R/L

S=3.00%

PVC STA 52+71.00
PVC EL 806.25

PVT STA 54+71.00
PVT EL 809.25

VCL 200.00
K 66.67

EXISTING ELEVATION AT R/L

PROPOSED ELEVATION AT R/L

| | | |

R/L GLACIAL DRUMLIN TRAIL

CTR 10'R
STA 47+15.07, 15.0'RT =
STA 10+16.29, 15.0'LT

GLACIAL DRUMLIN TRAIL

CTR 31'R
STA 10+12.25, 36.0'LT

BEGIN CONSTRUCTION
STA 10+05.00

CTR 10'R
STA 46+85.02, 15.0'RT =
STA 10+15.00, 14.5'RT

GLACIAL DRUMLIN TRAIL
SW CONNECTION

R/L GLACIAL DRUMLIN TRAIL
SW CONNECTION

SLOPE INTERCEPT, TYP

CTR 31'R
STA 13+17.75, 36.0'RT

WISCONSIN & SOUTHERN RAILROAD

WAUKESHA BYPASS SB

WAUKESHA BYPASS NB

WETLAND DELINEATION (

BM 746

END CONSTRUCTION
STA 13+76.32

BENCHMARKS			
NUMBER	LOCATION	DESCRIPTION	ELEVATION
BM 746	STA 13+45.71, 53.91'RT	BM RR SPK E. FACE PPOL SW QUAD OF RR TRACKS AND CTH TT	816.47

VCL 80.00
K 28.87
EXISTING PROFILE
AT R/L

VCL 50.00
K 25.00

PVI STA 10+00.00
PVI EL 808.64

PVC STA 10+05.00
PVC EL 808.59

BEGIN CONSTRUCTION
STA 10+05.00

S=-1.00%

10+30.00
808.47

PVI STA 10+30.00
PVI EL 808.34

GLACIAL DRUMLIN TRAIL AT R/L

PVT STA 10+55.00
PVT EL 808.59

PVC STA 10+60.00
PVC EL 808.64

S=1.00%

PVT STA 11+40.00
PVT EL 810.55

PVI STA 11+00.00
PVI EL 809.04

PROPOSED PROFILE
AT R/L

S=3.77%

PVC STA 12+20.00
PVC EL 813.57

PVI STA 12+60.00
PVI EL 815.08

VCL 80.00
K 20.91

12+98.85
815.06

PVT STA 13+00.00
PVT EL 815.06

S=-0.06%

PVI STA 13+85.09
PVI EL 815.01

END CONSTRUCTION
STA 13+82.13

MERRILL HILLS RD AT R/L

EXISTING ELEVATION AT R/L
PROPOSED ELEVATION AT R/L

APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS

818 816 814 812 810 808 806 804

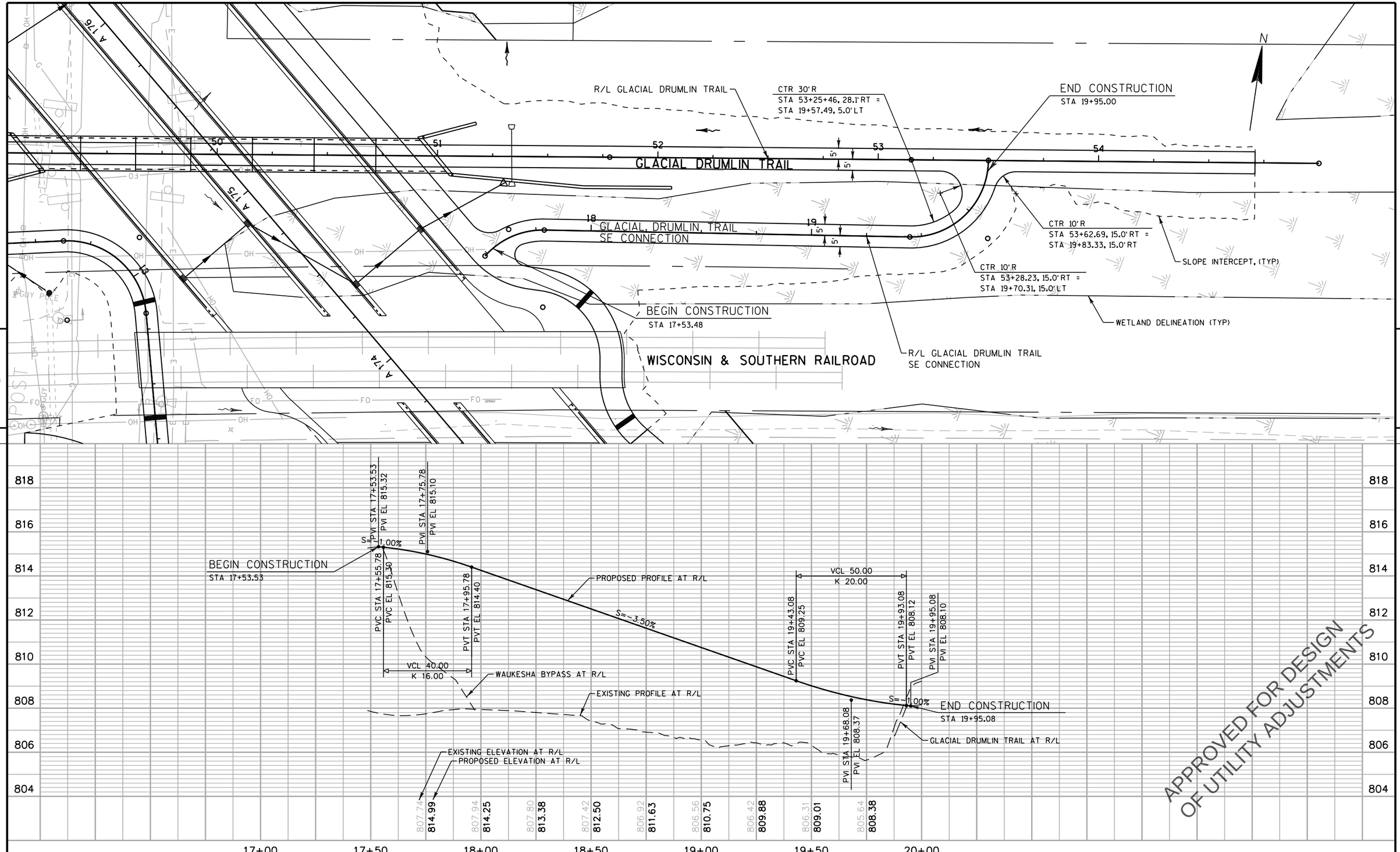
10+00 10+50 11+00 11+50 12+00 12+50 13+00 13+50 14+00 14+50

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PLAN AND PROFILE: GLACIAL DRUMLIN TRAIL SW CONNECTION	SHEET E

PRE_262

FILE NAME : F:\BM1-3324 USH 18 Bypass\5_Design\03_Roads\cds\by_050403_pp.dgn PLOT DATE : 11-APR-2016 16:45 PLOT BY : apacada PLOT NAME : PLOT SCALE : 40:1

WISDOT/CADDS SHEET 30

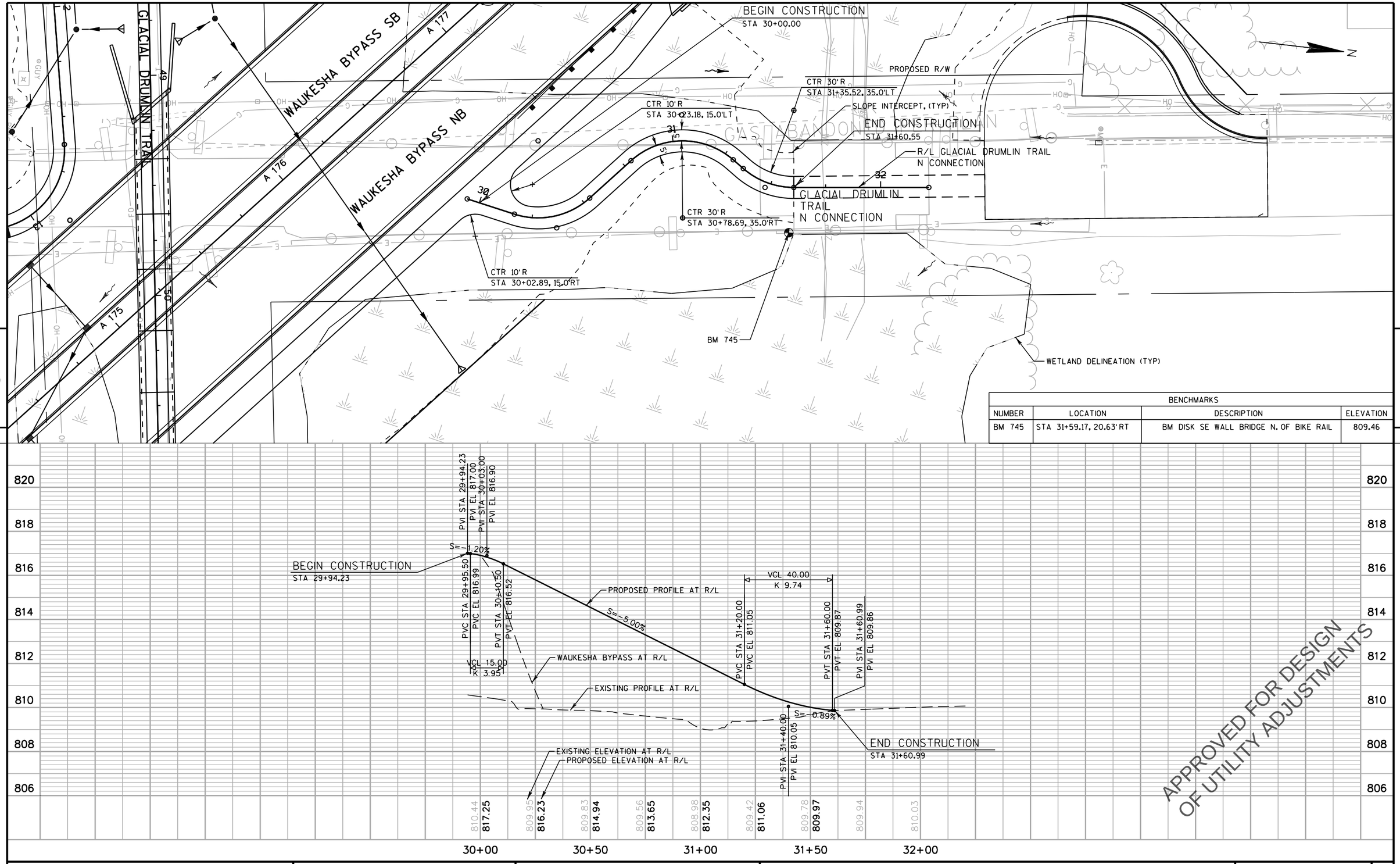


PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PLAN AND PROFILE: GLACIAL DRUMLIN TRAIL SE CONNECTION	SHEET E

PRE_263

FILE NAME : F:\BM1-3324 USH 18 Bypass\5_Design\03_Roads\cds\by_050404_pp.dgn PLOT DATE : 11-APR-2016 16:45 PLOT BY : apacada PLOT NAME : PLOT SCALE : 40:1

WISDOT/CADDS SHEET 30



BENCHMARKS			
NUMBER	LOCATION	DESCRIPTION	ELEVATION
BM 745	STA 31+59.17, 20.63' RT	BM DISK SE WALL BRIDGE N. OF BIKE RAIL	809.46

APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS

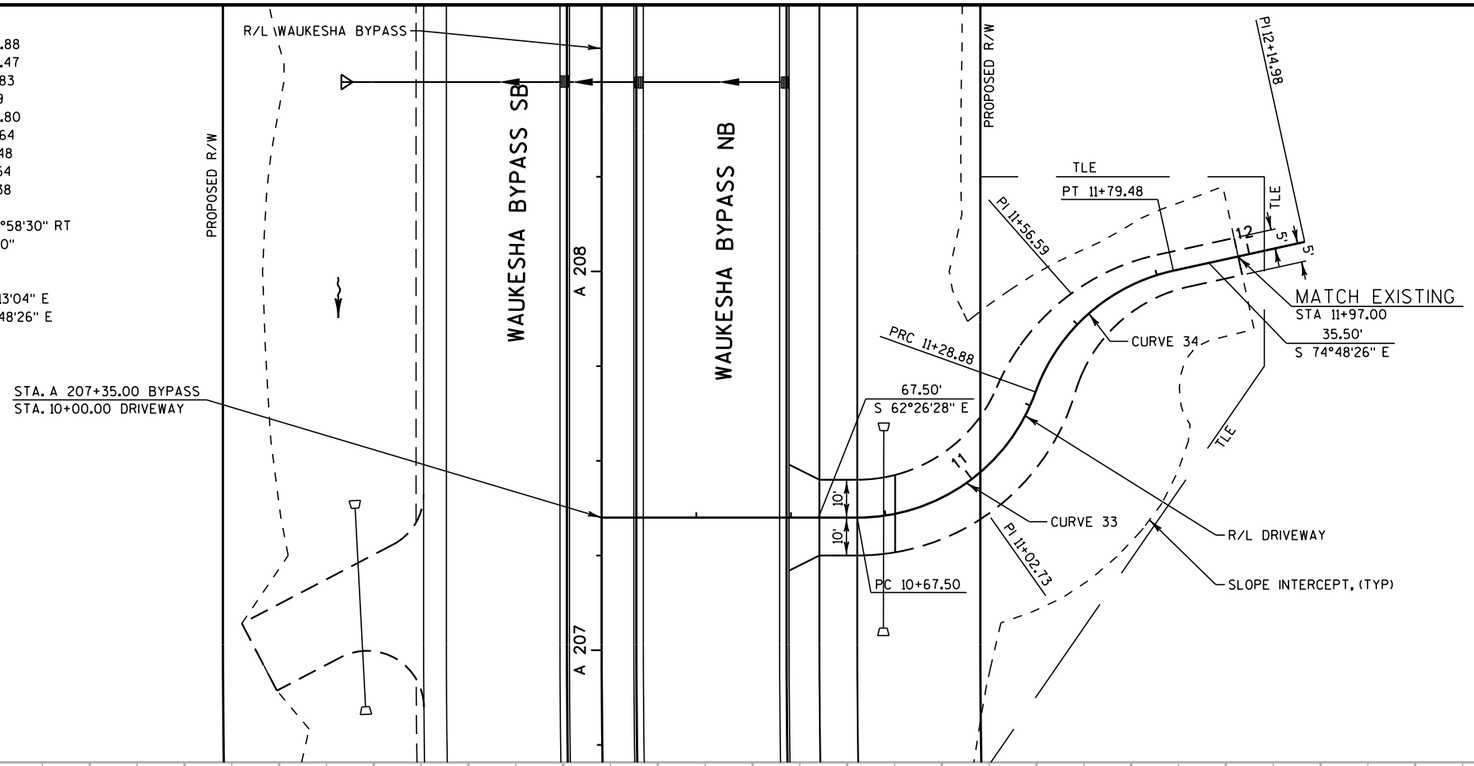
PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PLAN AND PROFILE: GLACIAL DRUMLIN TRAIL N CONNECTION	SHEET E

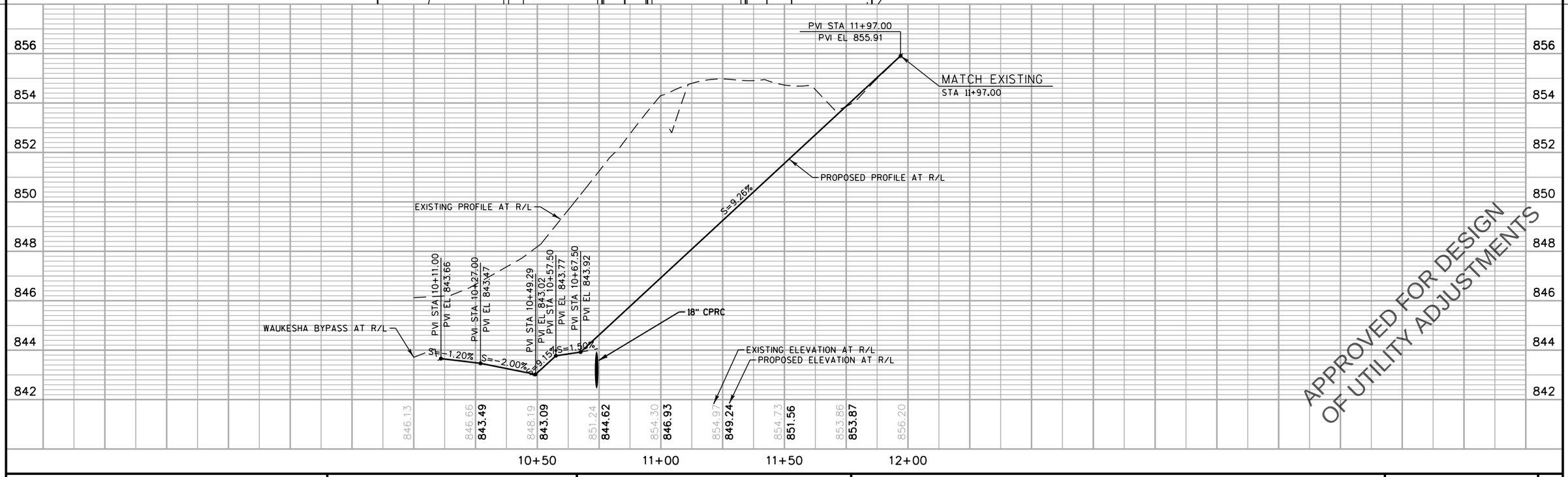
PRE_264

FILE NAME : F:\BM1-3324 USH 18 Bypass\5_Design\03_Roads\cds\by_050405_pp.dgn PLOT DATE : 11-APR-2016 16:45 PLOT BY : apacada PLOT NAME : PLOT SCALE : 40:1

WISDOT/CADDS SHEET 30

CURVE 33	CURVE 34
PC = 10+67.50	PRC = 11+28.88
X = 667013.38	X = 667070.47
Y = 157242.20	Y = 157249.83
PI = 11+02.73	PI = 11+56.59
X = 667044.61	X = 667090.80
Y = 157225.90	Y = 157268.64
PRC = 11+28.88	PT = 11+79.48
X = 667070.47	X = 667117.54
Y = 157249.83	Y = 157261.38
R = 50.00	R = 50.00
DELTA = 70°20'28" LT	DELTA = 57°58'30" RT
D = 114°35'30"	D = 114°35'30"
L = 61.38	L = 50.59
T = 35.23	T = 27.70
BK = S 62°26'28" E	BK = N 47°13'04" E
AH = N 47°13'04" E	AH = S 74°48'26" E





APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PLAN AND PROFILE: DRIVEWAY AT STA 207+35	SHEET E

PRE_265

FILE NAME : F:\BM1-3324 USH 18 Bypass\5_Design\03_Roads\cds\by_050501_pp.dgn PLOT DATE : 11-APR-2016 16:45 PLOT BY : apacada PLOT NAME : PLOT SCALE : 40:1

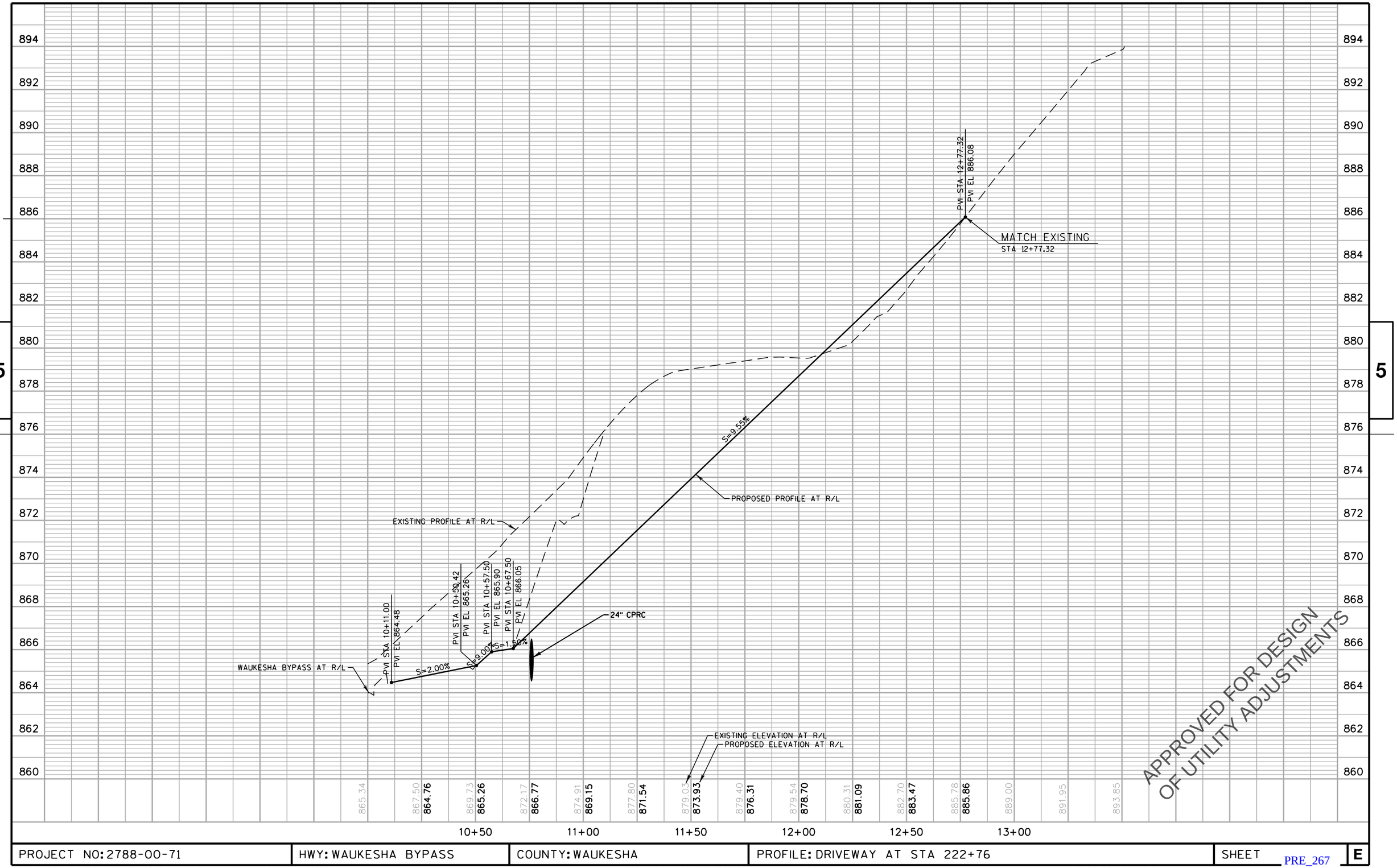
WISDOT/CADDS SHEET 30

CURVE 35	CURVE 36
PC = 10+72.00	PC = 12+29.12
X = 667725.35	X = 667723.08
Y = 158612.18	Y = 158471.34
PI = 11+17.02	PI = 12+55.28
X = 667765.99	X = 667714.37
Y = 158592.83	Y = 158446.68
PT = 11+45.30	PT = 12+77.32
X = 667751.00	X = 667729.66
Y = 158550.38	Y = 158425.46
R = 50.00	R = 50.00
DELTA = 83°59'43" RT	DELTA = 55°13'53" LT
D = 114°35'30"	D = 114°35'30"
L = 73.30	L = 48.20
T = 45.02	T = 26.16
BK = S 64°32'32" E	BK = S 19°27'12" W
AH = S 19°27'12" W	AH = S 35°46'41" E

TLE
SLOPE INTERCEPT, (TYP)
PROPOSED R/W
PI 11+17.02
PT 11+45.30
PC 12+29.12
R/L DRIVEWAY
8'
8'
12
13
11
MATCH EXISTING
STA 12+77.32
PT 12+77.32
83.82'
S 19°27'12" W
CURVE 35
CURVE 36
PC 10+72.00
72.00'
S 64°32'32" E
PI 12+55.28
SLOPE INTERCEPT
R/L WAUKESHA BYPASS
WAUKESHA BYPASS NB
WAUKESHA BYPASS SB
A 224
A 223
A 222
A 221
A 220
A 219
STA. A 222+76.38 BYPASS
STA. 10+00.00 DRIVEWAY
KAME TERRACE
APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PLAN: DRIVEWAY AT STA 222+76	SHEET E

FILE NAME : F:\BM1-3324 USH 18 Bypass\5_Design\03_Roads\cds\by_050502_pp.dgn PLOT DATE : 11-APR-2016 16:45 PLOT BY : apacada PLOT NAME : PLOT SCALE : 40:1
WISDOT/CADDS SHEET 44



APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PROFILE: DRIVEWAY AT STA 222+76	SHEET E

PRE_267

FILE NAME : F:\BM1-3324 USH 18 Bypass\5_Design\03_Roads\cds\by_050503_pp.dgn PLOT DATE : 11-APR-2016 16:45 PLOT BY : apacada PLOT SCALE : 40:1

WISDOT/CADDS SHEET 40

BENCHMARKS			
NUMBER	LOCATION	DESCRIPTION	ELEVATION
BM 732	STA 10+81.82, 228.85'LT	BM SW CORNER CONC SLAB SW CORNER OF HOUSE *W270 S1920	856.12

CURVE 37
PC = 10+81.50
X = 668362.96
Y = 160251.48
PI = 11+28.87
X = 668408.41
Y = 160238.11
PT = 11+57.34
X = 668397.51
Y = 160192.01
R = 50.00
DELTA = 86°54'29" RT
D = 114°35'30"
L = 75.84
T = 47.37
BK = S 73°36'31" E
AH = S 13°17'59" W

R/L DRIVEWAY
PI 11+28.87
PT 11+57.34
PI 11+95.08
TLE
MATCH EXISTING
STA 12+42.08
10'
10'
12
13
14
GAR
FISHED
BARN
SILO
SHED
SLOPE INTERCEPT, (TYP)
PROPOSED R/W
BM 732
PC 10+81.50
CURVE 37
242.66'
S 13°17'59" W
R/L WAUKESHA BYPASS
81.50'
S 73°36'31" E
STA. A 240+25.00 BYPASS
STA. 10+00.00 DRIVEWAY
WAUKESHA BYPASS NB
A 242
A 241
5
5

PVI STA 12+42.08
PVI EL 871.72
MATCH EXISTING
STA 12+42.08
EXISTING PROFILE AT R/L
PROPOSED PROFILE AT R/L
S=6.69%
WAUKESHA BYPASS AT R/L
PVI STA 10+11.00
PVI EL 862.16
PVI STA 10+27.00
PVI EL 862.48
PVI STA 10+41.00
PVI EL 862.20
PVI STA 10+49.00
PVI EL 861.88
PVI STA 10+71.50
PVI EL 860.83
PVI STA 10+81.50
PVI EL 860.98
S=2.00%
S=-2.00%
S=-4.00%
S=-4.67%
S=1.50%
15" CPRC
15" CPRC
EXISTING ELEVATION AT R/L
PROPOSED ELEVATION AT R/L
872
870
868
866
864
862
860
858
863.10
863.38 862.44
863.58 861.84
864.84 860.89
866.57 862.22
868.06 863.89
869.07 865.56
869.50 867.23
870.69 868.91
871.76 870.58
871.46
870.72
870.40
870.66
873.37
869.62
10+50
11+00
11+50
12+00
12+50

APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PLAN AND PROFILE: DRIVEWAY AT STA 240+25	SHEET E

PRE_268

FILE NAME : F:\BM1-3324 USH 18 Bypass\5_Design\03_Roads\cds\by_050504_pp.dgn PLOT DATE : 11-APR-2016 16:45 PLOT BY : apacada PLOT NAME : PLOT SCALE : 40:1

WISDOT/CADDS SHEET 30

HEALTH CARE REIT INC

STA A 270+33.47 BYPASS
STA 50+00.00 DRIVEWAY

R/L WAUKESHA BYPASS

STA A 270+01.00 BYPASS
STA 50+00.00 DRIVEWAY

OWNERS OF LOTS
IN HERITAGE HILLS

A 271

WAUKESHA BYPASS

A 270

R/W

TLE

SLOPE INTERCEPT. (TYP)

GOOD TIMES DAY CAMP LLC

END CONSTRUCTION
STA 51+62.00
MATCH EXISTING
SAW CUT REQ'D

WETLAND DELINEATION (TYP)

N

END CONSTRUCTION
STA 51+78.00
MATCH EXISTING
SAW CUT REQ'D

HSE

LOIS M. KAPLAN

5

5

DRIVEWAY AT STA 270+01

PVI STA 50+05.58
PVI EL 865.66
S=1.94%
PVI STA 50+27.00
PVI EL 866.08
S=-2.06%
PVI STA 50+49.39
PVI EL 865.62
9.23%
PVI STA 50+67.52
PVI EL 866.21
1.55%
PVI STA 50+57.51
PVI EL 866.37
S=-7.99%
VCL 55.00
K 6.10
PVC STA 51+20.50
PVC EL 861.98
PVI STA 51+75.50
PVI EL 860.06
S=1.02%
PVI STA 51+48.00
PVI EL 859.78
51+69.30
860.03
PVI STA 51+78.06
PVI EL 860.08
WAUKESHA BYPASS AT R/L
PROPOSED PROFILE AT R/L
EXISTING PROFILE AT R/L
EXISTING ELEVATION AT R/L
PROPOSED ELEVATION AT R/L

DRIVEWAY AT STA 270+33

PVI STA 50+02.74
PVI EL 864.41
S=2.05%
PVI STA 50+27.00
PVI EL 864.91
S=-1.95%
PVI STA 50+49.08
PVI EL 864.48
9.42%
PVI STA 50+56.70
PVI EL 865.20
S=4.13%
PVI STA 50+57.51
PVI EL 865.23
PVI STA 50+67.52
PVI EL 865.08
S=-1.45%
VCL 45.03
K 5.00
PVC STA 51+16.17
PVC EL 861.19
PVI STA 51+61.20
PVI EL 859.61
S=-8.01%
PVI STA 51+38.69
PVI EL 859.38
51+56.18
859.59
S=1.01%
PVI STA 51+62.00
PVI EL 859.62
WAUKESHA BYPASS AT R/L
PROPOSED PROFILE AT R/L
EXISTING PROFILE AT R/L
EXISTING ELEVATION AT R/L
PROPOSED ELEVATION AT R/L

APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PLAN AND PROFILE: DRIVEWAYS AT STA 270+01 & 270+33	SHEET E

PRE_269

STA 11+87.56 DRIVEWAY (NORTH)
STA 110+00.00 DRIVEWAY (SOUTH)

R/L DRIVEWAY (NORTH)

10'
10'

11
12
13

CTR 50'R
STA 12+17.56, 30'RT

CTR 50'R
STA 11+27.56, 60'RT

R/L DRIVEWAY (SOUTH)

CTR 50'R
STA 110+79.80, 60'RT

CURVE 38

SLOPE INTERCEPT, (TYP)

111

10'
10'

112

CURVE 38
PC = 110+79.80
X = 668415.94
Y = 162750.19
PI = 119+39.80
X = 668415.90
Y = 162690.19
PT = 111+74.05
X = 668475.90
Y = 162690.14
R = 60.00
DELTA = 90°00'00" LT
D = 95°29'35"
L = 94.25
T = 60.00
BK = S 00°02'36" W
AH = S 89°57'24" E

HOWELL AVE

WE ENERGIES

PROPOSED R/W

R/L WAUKESHA BYPASS

SLOPE INTERCEPT

WAUKESHA BYPASS SB

A 267
A 266
A 265
A 264

N

5

5

APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS

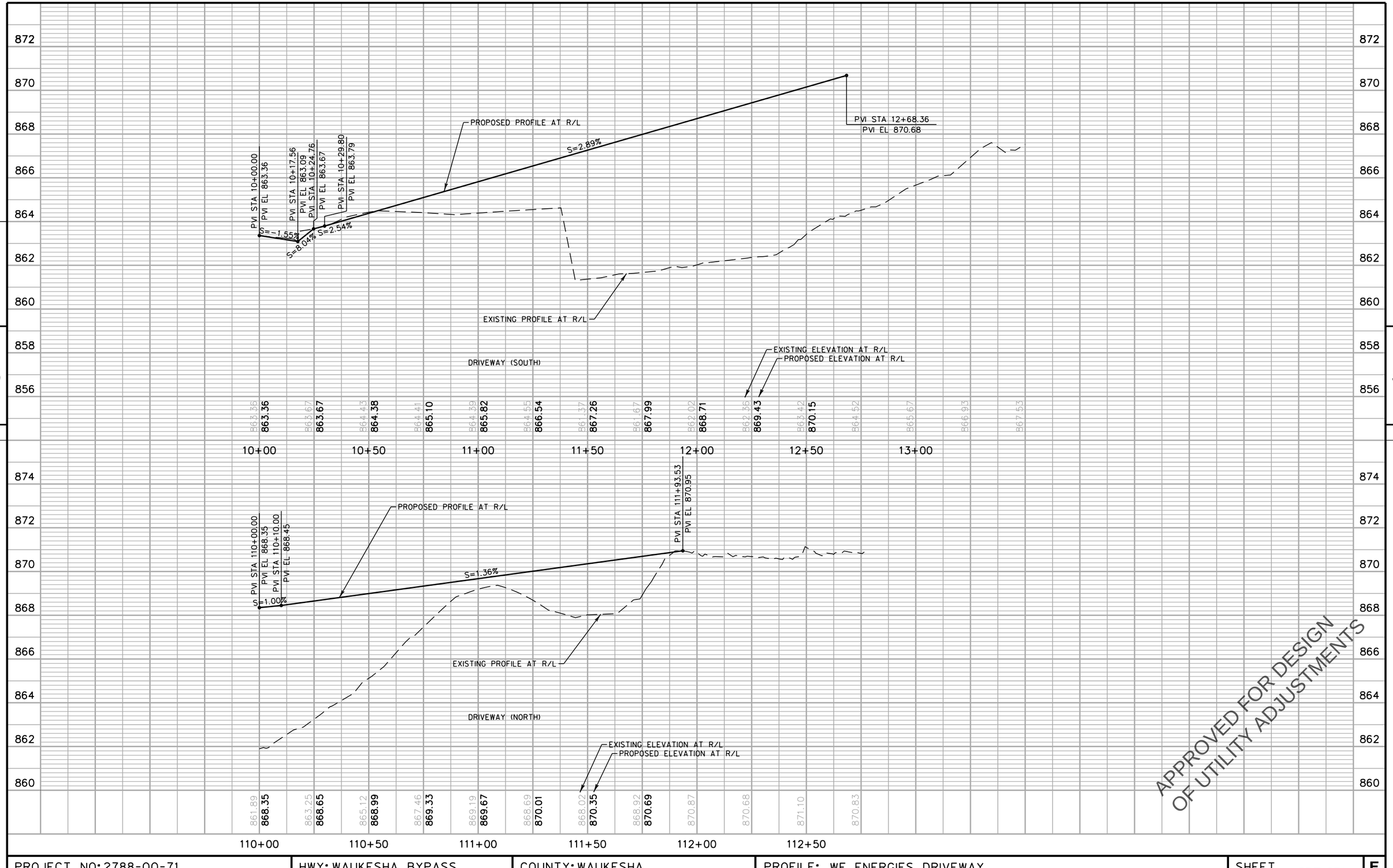
51

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PLAN: WE ENERGIES DRIVEWAY	SHEET E

PRE_270

FILE NAME : F:\BM1-3324 USH 18 Bypass\5_Design\03_Roads\cds\by_050508_pp.dgn PLOT DATE : 11-APR-2016 16:46 PLOT BY : apacada PLOT NAME : PLOT SCALE : 40:1

WISDOT/CADDS SHEET 44



PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PROFILE: WE ENERGIES DRIVEWAY	SHEET E

PRE_271

FILE NAME : F:\BM1-3324 USH 18 Bypass\5_Design\03_Roads\cds\by_050509_pp.dgn PLOT DATE : 11-APR-2016 16:46 PLOT BY : apacada PLOT SCALE : 40:1

WISDOT/CADDS SHEET 40

STA 11+87.56 DRIVEWAY (NORTH)
STA 110+00.00 DRIVEWAY (SOUTH)

R/L DRIVEWAY (NORTH)

10'
10'

11
12
13

CTR 50'R
STA 12+17.56, 30'RT

CTR 50'R
STA 11+27.56, 60'RT

R/L DRIVEWAY (SOUTH)

CTR 50'R
STA 110+79.80, 60'RT

CURVE 38

SLOPE INTERCEPT, (TYP)

111

10'
10'

112

CURVE 38
PC = 110+79.80
X = 668415.94
Y = 162750.19
PI = 119+39.80
X = 668415.90
Y = 162690.19
PT = 111+74.05
X = 668475.90
Y = 162690.14
R = 60.00
DELTA = 90°00'00" LT
D = 95°29'35"
L = 94.25
T = 60.00
BK = S 00°02'36" W
AH = S 89°57'24" E

HOWELL AVE

WE ENERGIES

PROPOSED R/W

R/L WAUKESHA BYPASS

SLOPE INTERCEPT

WAUKESHA BYPASS SB

A 267
A 266
A 265
A 264

N

51

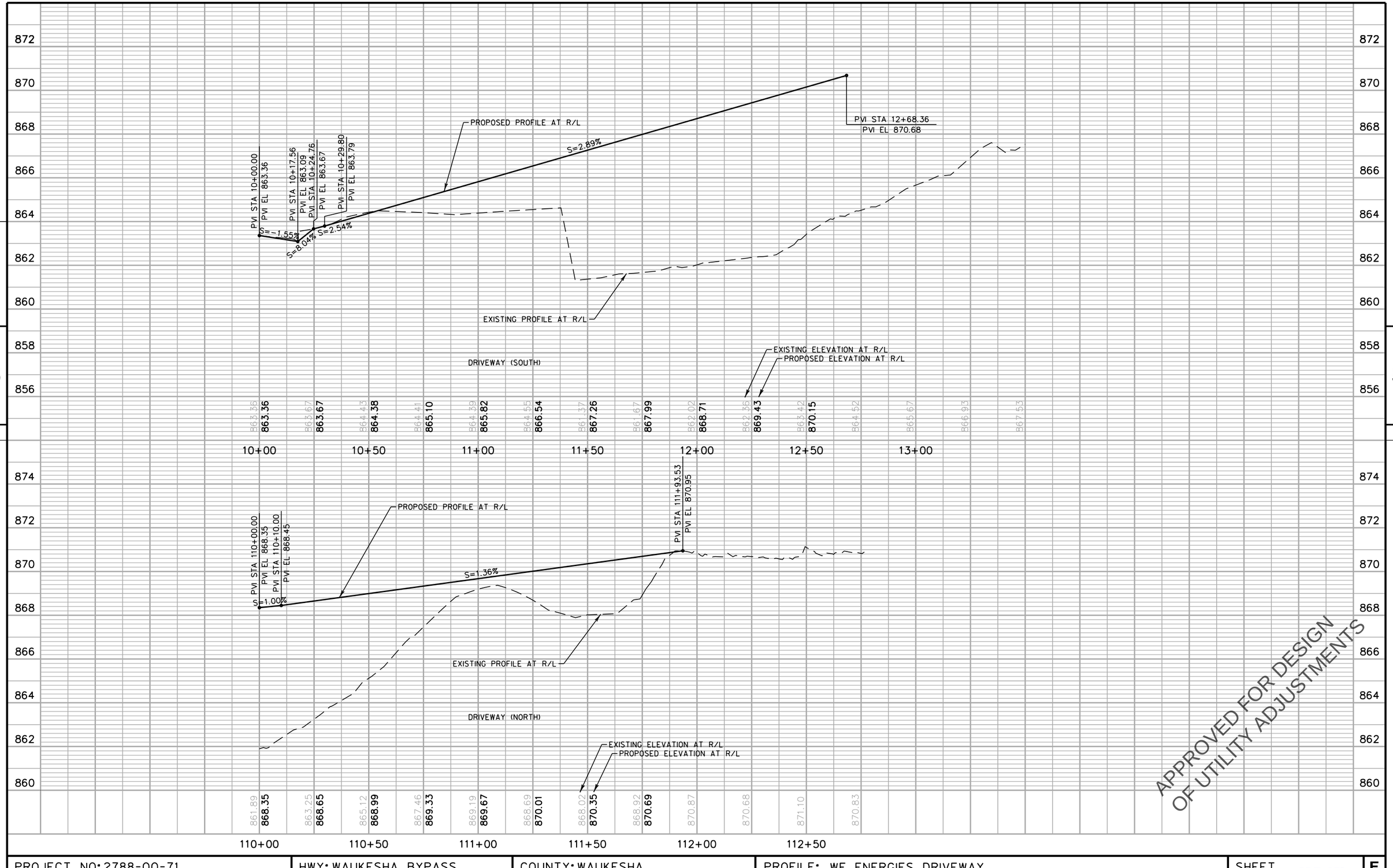
APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PLAN: WE ENERGIES DRIVEWAY	SHEET E

PRE_272

FILE NAME : F:\BM1-3324 USH 18 Bypass\5_Design\03_Roads\cds\by_050508_pp.dgn PLOT DATE : 11-APR-2016 13:25 PLOT BY : torner PLOT NAME : PLOT SCALE : 40:1

WISDOT/CADDS SHEET 44



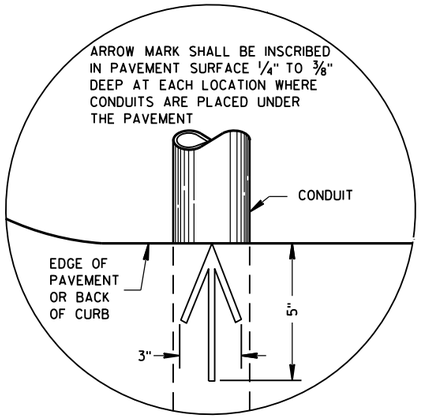
APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	PROFILE: WE ENERGIES DRIVEWAY	SHEET E

PRE_273

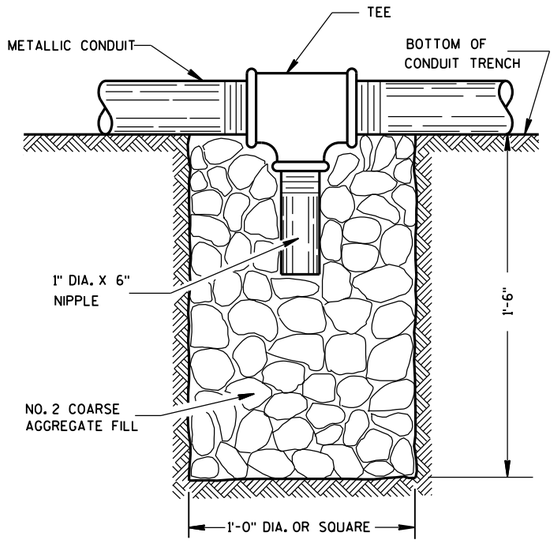
FILE NAME : F:\BM1-3324 USH 18 Bypass\5_Design\03_Roads\cds\by_050509_pp.dgn PLOT DATE : 11-APR-2016 13:25 PLOT BY : torner PLOT SCALE : 40:1

WISDOT/CADDS SHEET 40



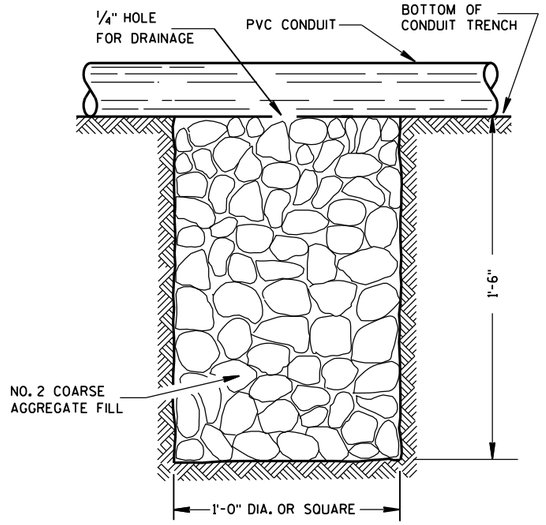
PLAN VIEW

ARROW MARK



NOTE: INSTALL AT LOCATIONS WHERE METALLIC CONDUITS CANNOT BE PITCHED TO DRAIN INTO A PULL BOX.

DRAIN SUMP FOR METALLIC CONDUIT



NOTE: INSTALL AT LOCATIONS WHERE PVC CONDUITS CANNOT BE PITCHED TO DRAIN INTO A PULL BOX.

DRAIN SUMP FOR PVC CONDUIT

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

METALLIC (STANDARD SPECIFICATION 652.2.2) OR NONMETALLIC (STANDARD SPECIFICATION 652.2.3) CONDUIT SHALL BE FURNISHED AND PLACED AS SHOWN.

DEPTH OF CONDUIT INSTALLED BELOW THE TRAVELED WAY SHALL BE 24 INCHES MINIMUM AND 36 INCHES MAXIMUM.

DEPTH OF CONDUIT INSTALLED THAT IS NOT BELOW THE TRAVELED WAY SHALL BE 18 INCHES MINIMUM AND 36 INCHES MAXIMUM.

ANY EXCEPTION TO THE MAXIMUM DEPTH SHALL BE ONLY WITH THE WRITTEN APPROVAL OF THE ENGINEER.

THE TRENCH SHALL NOT BE BACKFILLED PRIOR TO INSPECTION OF THE CONDUIT.

ALL METALLIC CONDUIT RACEWAY ENDS SHALL BE REAMED AND THREADED.

ALL METALLIC CONDUIT IN WHICH WIRE OR CABLE IS TO BE INSTALLED SHALL BE BUSHED WITH APPROVED THREADED BUSHINGS BEFORE INSTALLATION OF THE WIRE OR CABLE.

ALL METALLIC CONDUITS IN WHICH WIRE OR CABLE IS NOT TO BE INSTALLED SHALL BE CAPPED WITH THREADED PROTECTIVE CAPS, AS APPROVED BY THE ENGINEER.

ALL NONMETALLIC CONDUIT SHALL BE CAPPED OR PLUGGED IMMEDIATELY AFTER INSTALLATION AND SHALL REMAIN CAPPED OR PLUGGED UNTIL WIRE/CABLES ARE INSTALLED.

NONMETALLIC CONDUITS IN WHICH WIRE OR CABLE IS NOT BEING INSTALLED SHALL REMAIN CAPPED OR PLUGGED.

BENDING OF PVC ELECTRICAL CONDUIT SHALL BE ACCOMPLISHED BY USING A BLANKET OR EMERSION TYPE TANK DESIGNED FOR THE PURPOSE OF BENDING PVC ELECTRICAL CONDUIT.

ALL CUT ENDS SHALL BE TRIMMED INSIDE AND OUTSIDE TO REMOVE ALL ROUGH EDGES ON NONMETALLIC CONDUIT. (SEE NEC 347.5)

WHEN REQUIRED TO CONNECT NONMETALLIC CONDUIT TO METALLIC CONDUIT, ONLY U.L. LISTED ADAPTER FITTINGS SHALL BE USED.

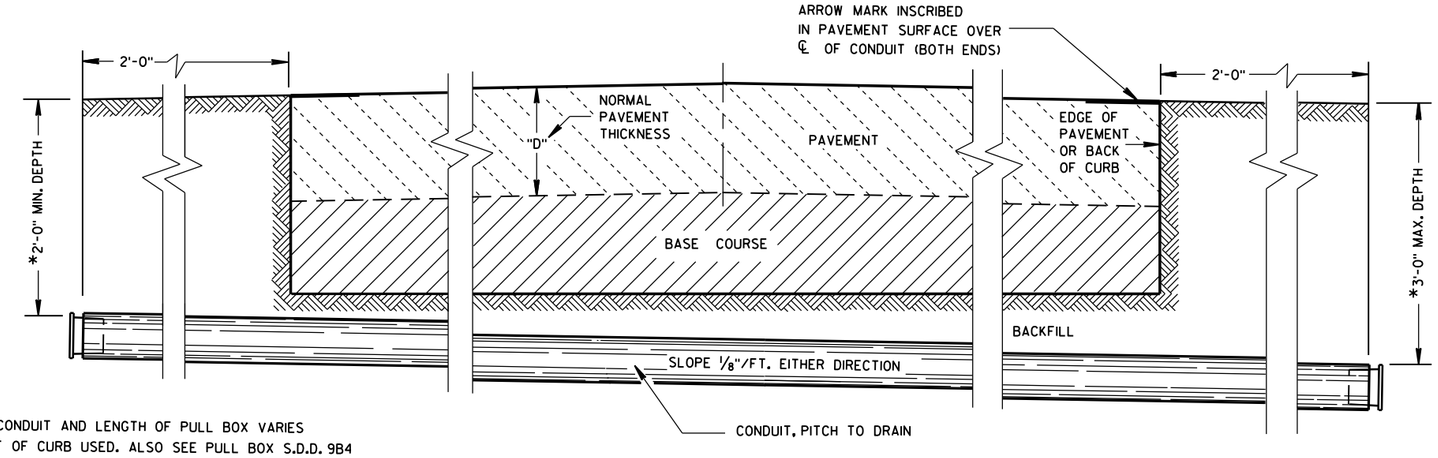
PRIOR TO CONDUIT ACCEPTANCE, CONDUIT CAPS OR PLUGS SHALL BE REMOVED, AND THE CAPS, PLUGS AND CONDUIT ENDS SHALL BE THOROUGHLY CLEANED AND THEN THE CAPS OR PLUGS REINSTALLED TO ENSURE THAT THE CAPS OR PLUGS CAN BE EASILY REMOVED IN THE FUTURE.

ALL CONDUIT BEING FURNISHED AND INSTALLED SHALL HAVE THE U.L. LABEL FIRMLY ATTACHED.

CONDUIT RUNS SHALL BE THE SAME SIZE OF CONDUIT FROM ONE END TO THE OTHER (FROM PULL BOX TO PULL BOX-OR-JUNCTION BOX TO JUNCTION BOX-OR-BASE TO BASE, ETC.).

TRACER WIRE SHALL BE INSTALLED AS STATED IN THE STANDARD SPECIFICATION, ITEM 652.3.1.1.

ALL CONDUIT RUNS SHALL BE STRAIGHT (WITHOUT BENDS) FROM PULL BOX TO PULL BOX, PULL BOX TO BASE AND BASE TO BASE AS SHOWN ON THE PLANS.



*DEPTH OF CONDUIT AND LENGTH OF PULL BOX VARIES WITH HEIGHT OF CURB USED. ALSO SEE PULL BOX S.D.D. 9B4

SIDE ELEVATION

DETAIL FOR CONDUIT UNDER PAVED HIGHWAYS

APPROVED FOR DESIGN OF UTILITY ADJUSTMENTS

CONDUIT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June, 2015 — DATE
/S/ Ahmet Demirbilek — STATE ELECTRICAL ENGINEER
FHWA

PRE_274

6

S.D.D. 9 B 2-9

6

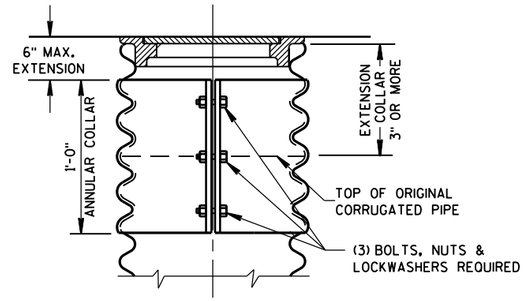
S.D.D. 9 B 2-9

TABLE OF NOMINAL DIMENSIONS AND WEIGHTS

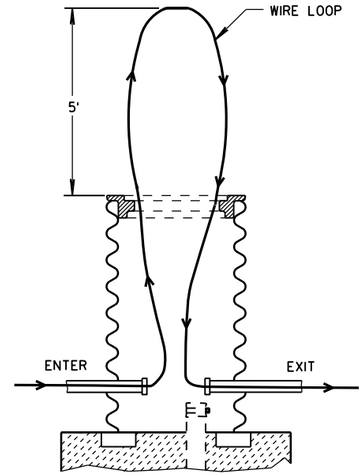
DIMENSION IN INCHES		CORRUGATED STEEL PIPE								
PIPE DIAMETER (INSIDE)	A	12	12	12	18	18	18	24	24	24
PIPE LENGTH **	B	24	30	36	24	30	36	36	42	48
WALL THICKNESS	C	0.064	0.064	0.064	0.064	0.064	0.064	0.064	0.064	0.064
COVER	D	10 1/4	10 1/4	10 1/4	16 1/4	16 1/4	16 1/4	22 1/4	22 1/4	22 1/4
FRAME	E	14 1/2	14 1/2	14 1/2	20 1/2	20 1/2	20 1/2	26 1/2	26 1/2	26 1/2
FRAME	F	8 1/2	8 1/2	8 1/2	14 1/2	14 1/2	14 1/2	20 1/2	20 1/2	20 1/2
FRAME	G	11 1/2	11 1/2	11 1/2	17 1/2	17 1/2	17 1/2	23 1/2	23 1/2	23 1/2
WEIGHT IN POUNDS *										
FRAME AND COVER		60	60	60	110	110	110	155	155	155

* THE ACTUAL WEIGHT OF THE MANHOLE FRAME AND COVER MAY VARY WITHIN 5 PERCENT PLUS OR MINUS OF THE WEIGHTS SHOWN.

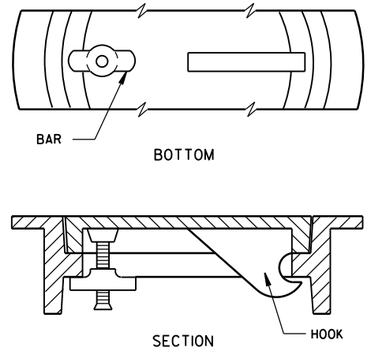
** NORMALLY USED LENGTHS. THE PROJECT ENGINEER SHALL DETERMINE IF PIPE LENGTHS, OTHER THAN THOSE SPECIFIED, SHALL BE USED, TO A MAXIMUM OF 48" (CONTINUOUS LENGTH, NON-SPLICED). THE ADDITIONAL LENGTH SHALL BE INCIDENTAL TO THE PULL BOX BID PRICE.



CORRUGATED PIPE EXTENDER

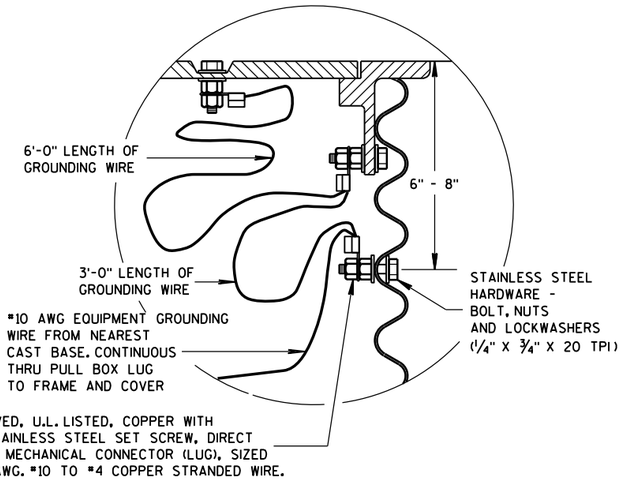


MEASUREMENT DETAIL FOR WIRE/CABLE IN THE PULL BOX

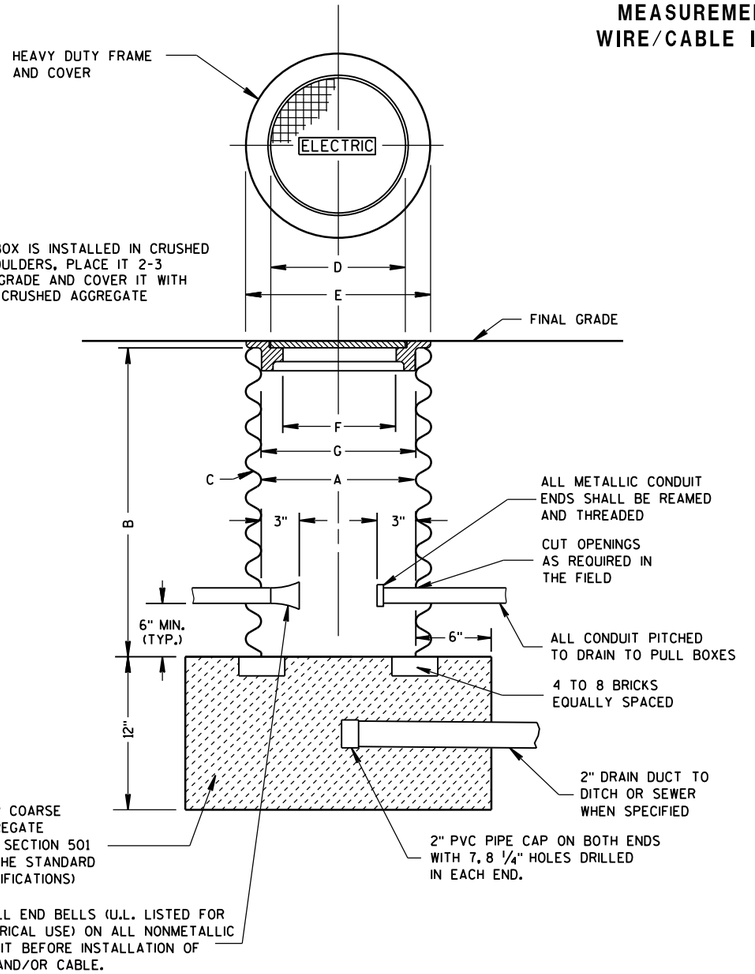


ALTERNATE COVER (LOCKING)

TIGHTENING BAR TYPE



EQUIPMENT GROUNDING LUG AND LOCATION IN STEEL PULL BOXES



PULL BOX

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

ALL FRAMES AND COVERS SHALL BE HEAVY DUTY TYPE, SUITABLE FOR VEHICULAR TRAFFIC LOADS.

PULL BOXES LOCATED IN THE ROADWAYS SHALL HAVE LOCKING COVERS.

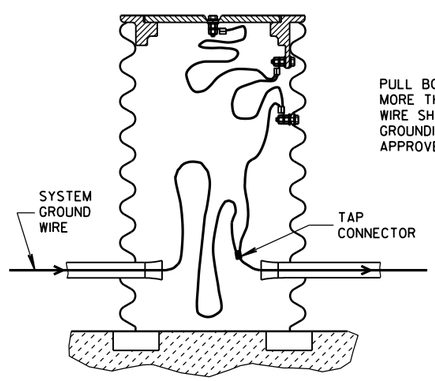
ENTRANCE HOLES INTO PULL BOXES SHALL BE CUT WITH A CIRCULAR HOLE SAW OR HYDRAULIC CONDUIT PUNCH. HOLE SIZE SHALL BE THE OUTSIDE DIAMETER OF THE CONDUIT THAT IS TO FIT IN THE OPENING PLUS NO MORE THAN 1/4".

THE CONTRACTOR SHALL NOT INSTALL WIRE IN ANY PULL BOX UNTIL ITS INSTALLATION HAS BEEN INSPECTED AND ACCEPTED BY THE ENGINEER.

GROUNDING LUGS (MECHANICAL CONNECTORS) SHALL BE U.L. LISTED AND APPROVED FOR USE WITH COPPER WIRE.

ALL METALLIC CONDUIT IN WHICH WIRE AND/OR CABLE IS TO BE INSTALLED, SHALL BE BUSHED BEFORE INSTALLATION OF THE WIRE AND/OR CABLE.

WHEN PULL BOXES ARE INSTALLED FOR FUTURE USE, DO NOT INSTALL THE EQUIPMENT GROUNDING LUG. THE EQUIPMENT GROUNDING LUG, THE EQUIPMENT GROUNDING ELECTRODE AND THE EQUIPMENT GROUNDING CONDUCTOR SHALL BE REQUIRED AND INSTALLED UNDER A FUTURE WIRING CONTRACT.



PULL BOX TO NEAREST BASE DISTANCE MORE THAN 20 FEET. PULL BOX GROUND WIRE SHALL CONNECT AT SYSTEM GROUNDING WIRE. USE DEPARTMENT APPROVED TAP CONNECTOR.

EQUIPMENT GROUNDING LUG AND LOCATION IN STEEL PULL BOXES

APPROVED FOR DESIGN OF UTILITY ADJUSTMENTS

PULL BOX

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept. 2014
DATE
/S/ Ahmet Demirbilek
STATE ELECTI
FHWA

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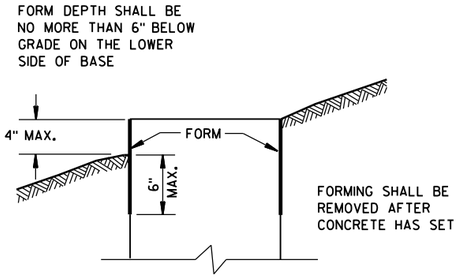


FORMING DETAIL

QUANTITY REQUIREMENTS	CONCRETE BASE TYPE		
	1	2	5 & 6
APPROX. CUBIC YARDS OF CONCRETE	0.40	0.57	0.40
LBS. OF HOOP BAR STEEL	NONE	23	16
LBS. OF VERTICAL BAR STEEL	NONE	60	18

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

BASES SHALL BE EXCAVATED BY USE OF A CIRCULAR AUGER.

TOP SURFACES OF CONCRETE BASES SHALL BE TROWEL FINISHED SMOOTH AND LEVEL.

CONDUIT SIZES AND LOCATIONS SHALL BE AS SHOWN ON THE PLANS.

THE FINAL OR TERMINATING CONCRETE BASE IN A CONDUIT RUN SHALL HAVE A 6" EXIT STUB INSTALLED FOR FUTURE CABLING USE. THE EXIT STUB SHALL BE SIZED AS USED THROUGHOUT THE CONDUIT RUN AS SHOWN AT THE ENTRANCE OF THE BASE.

MINIMUM BENDING RADIUS OF CONDUIT IS EQUAL TO 6 X THE DIAMETER.

CONDUIT HEIGHT ABOVE CONCRETE BASES SHALL BE 1 INCH. ALL METALLIC CONDUIT ENDS SHALL BE REAMED AND THREADED.

ALL CONDUIT ENDS AT THE TOP OF CONCRETE BASES SHALL BE CAPPED IF METALLIC OR PLUGGED IF NONMETALLIC IMMEDIATELY AFTER PLACEMENT AND BEFORE CONCRETE IS POURED. CONDUITS IN WHICH WIRE OR CABLE IS NOT INSTALLED SHALL REMAIN CAPPED OR PLUGGED.

GENERAL NOTES (CONTINUED)

BELL ENDS SHALL BE INSTALLED ON ALL PVC CONDUIT EXPOSED AT THE TOP OF CONCRETE BASES BEFORE INSTALLATION OF CABLE OR WIRE.

ENDS OF CONDUIT INSTALLED BELOW GRADE FOR FUTURE USE SHALL BE CAPPED IF METALLIC OR PLUGGED IF NONMETALLIC.

WHEN REQUIRED TO CONNECT NONMETALLIC CONDUIT TO METALLIC CONDUIT, ONLY ADAPTER FITTINGS, U.L. LISTED FOR ELECTRICAL USE, SHALL BE USED.

IF A BASE REQUIRES A DEEP FORM BECAUSE OF LOOSE DIRT OR FILL, THE FORM SHALL BE REMOVED BEFORE BACKFILLING AROUND THE BASE. BACKFILL SHALL BE TAMPED TIGHT AGAINST THE BARE CONCRETE BASE IN LAYERS OF 1 FOOT OR LESS.

A NO. 4 AWG, STRANDED COPPER EQUIPMENT GROUNDING CONDUCTOR SHALL BE EXOTHERMICALLY WELDED TO THE EQUIPMENT GROUNDING ELECTRODE (GROUND ROD) FOR TYPE 1, TYPE 2, TYPE 5, AND TYPE 6 BASES.

THE EQUIPMENT GROUNDING CONDUCTOR SHALL BE FURNISHED AND INSTALLED TO ENTER THE BASE OF THE TYPE 2 AND TYPE 5 BASES THROUGH A 1 INCH CONDUIT INSTALLED FOR GROUNDING PURPOSES, LEAVING A 4 FOOT COIL OF WIRE ABOVE THE CONCRETE BASE. THE EQUIPMENT GROUNDING CONDUCTOR SHALL BE NEATLY COILED AND THE COILS TIED TOGETHER.

ANCHOR RODS SHALL BE THREADED 12" IN LENGTH ON EACH END OF THE ROD. ANCHOR RODS SHALL BE MANUFACTURED IN ACCORDANCE WITH SECTION 654.2.1 OF THE STANDARD SPECIFICATIONS.

WASHERS AND LOCK WASHERS ARE REQUIRED ON ALL ANCHOR RODS.

WHEN ANCHOR RODS USING THE ALTERNATE "L" BEND ARE FURNISHED, THE 4" "L" BEND SHALL BE IN ADDITION TO THE SPECIFIED ANCHOR ROD BAR LENGTH. THE "L" BEND END SHALL NOT BE THREADED.

ANCHOR RODS SHALL BE INSTALLED WITH MISALIGNMENTS OF LESS THAN 1:40 FROM VERTICAL.

WELDING OF THE ANCHOR RODS TO THE CAGE IS UNACCEPTABLE. TIE WIRES SHALL BE USED.

BAR STEEL REINFORCEMENT SHALL BE COATED WITH POWDERED EPOXY RESIN IN ACCORDANCE WITH SECTION 505 OF THE STANDARD SPECIFICATIONS (LATEST EDITION).

(1) THE MINIMUM DEPTH OF CONDUIT EXITING THE CONCRETE BASE AND INSTALLED BELOW THE TRAVELED WAY SHALL BE 24 INCHES. THE MINIMUM DEPTH OF CONDUIT EXITING THE CONCRETE BASE THAT IS NOT INSTALLED BELOW THE TRAVELED WAY SHALL BE 18 INCHES. THE MAXIMUM DEPTH OF ALL CONDUIT SHALL BE 36 INCHES EXCEPT WITH WRITTEN APPROVAL BY THE ENGINEER.

(2) (4) 1" DIA. X 3'-6" ANCHOR RODS.

(3) (4) 1" DIA. X 5'-0" ANCHOR RODS.

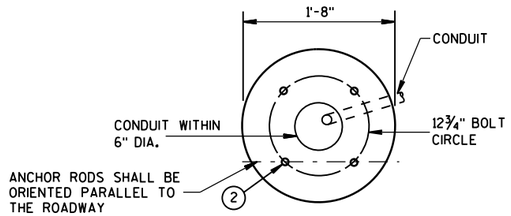
(4) (6) NO. 6 X 6'-8" BAR STEEL REINFORCEMENT.

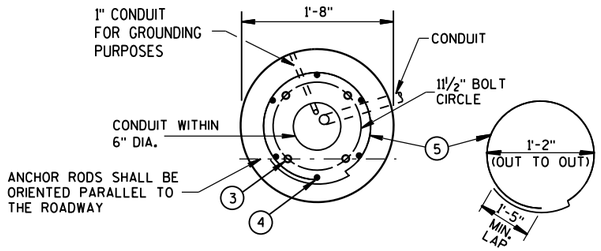
(5) (7) NO. 4 X 5'-1" BAR STEEL REINFORCEMENT @ 1'-0" C-C.

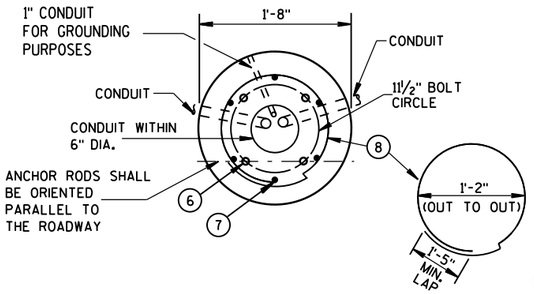
(6) (4) 1" DIA. X 3'-6" ANCHOR RODS.

(7) (6) NO.4 X 4'-8" BAR STEEL REINFORCEMENT.

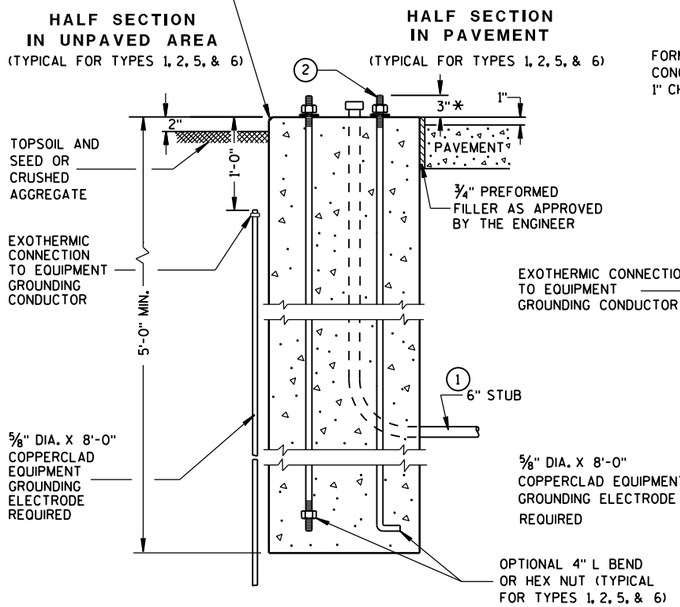
(8) (5) NO. 4 X 5'-1" BAR STEEL REINFORCEMENT @ 1'-0" C-C.



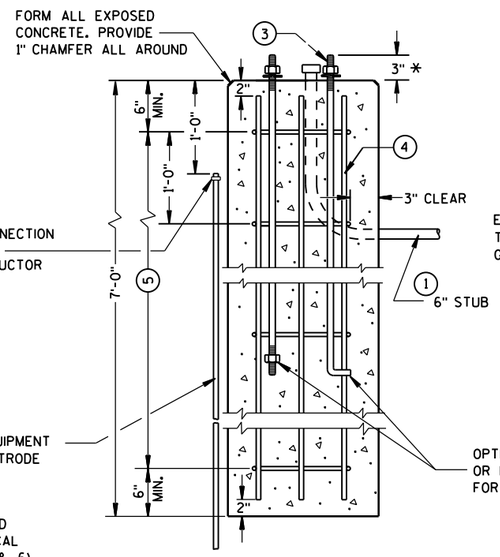




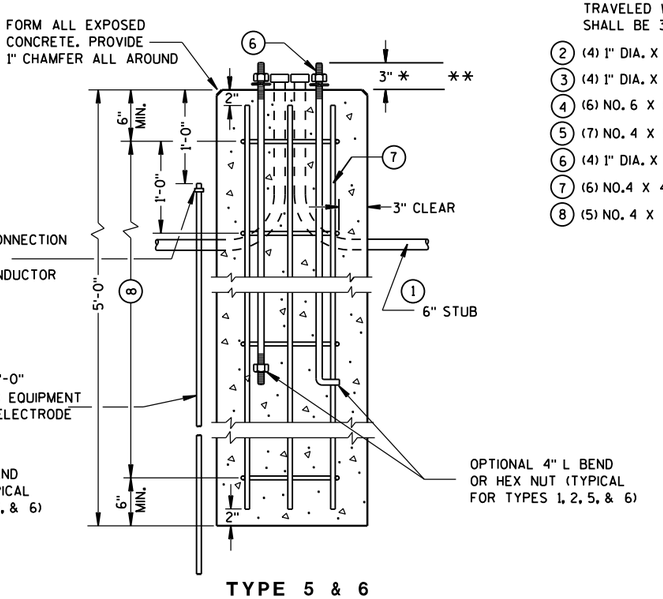
HALF SECTION IN UNPAVED AREA
(TYPICAL FOR TYPES 1, 2, 5, & 6)



HALF SECTION IN PAVEMENT
(TYPICAL FOR TYPES 1, 2, 5, & 6)



TYPE 2



TYPE 5 & 6

CONCRETE BASES

* ANY ANCHOR ROD PROJECTION SHORTER THAN 2¾" OR LONGER THAN 3¼" SHALL REQUIRE THE BASE TO BE REMOVED AND REPLACED AT THE CONTRACTORS EXPENSE.

** FOR NONBREAKAWAY INSTALLATIONS, 4½" ± ANCHOR ROD PROJECTION WITH THE USE OF LEVELING NUTS. RODENT SCREEN REQUIRED.

APPROVED FOR DESIGN OF UTILITY ADJUSTMENTS

CONCRETE BASES, TYPES 1, 2, 5, & 6

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept. 2014 — DATE
/S/ Ahmet Demirbilek — STATE ELECTI
FHWA

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GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

FOUR (4) BOLTS SHALL BE FURNISHED WITH EACH TRANSFORMER BASE. BOLTS SHALL BE 1" DIAMETER, 4" IN LENGTH, WITH WASHERS, LOCK WASHERS AND NUTS. BOLTS, NUTS AND WASHERS SHALL BE MANUFACTURED IN ACCORDANCE WITH SECTION 641.2.2 OF THE STANDARD SPECIFICATIONS.

LEVELING SHIMS, IF NEEDED, SHALL BE DESIGNED FOR THE PURPOSE AND USED UNDER CAST BASES WHEN PLUMBING POLES OR STANDARDS DURING INSTALLATION. THE USE OF WASHERS IN LIEU OF PROPER LEVELING SHIMS IS NOT ACCEPTABLE.

SHIM LENGTH SHALL BE LONG ENOUGH TO COMPLETELY COVER THE AREA UNDER THE LENGTH AND WIDTH OF THE BASE MOUNTING FLANGE.

DOUBLE NUTTING IS NOT ACCEPTABLE FOR LEVELING OR MOUNTING PURPOSES.

A NEMA APPROVED, U.L. LISTED, COPPER WITH BRASS OR STAINLESS STEEL SET SCREW, DIRECT BURY RATED, MECHANICAL CONNECTOR (LUG), SIZED TO ACCEPT AWG. #10 TO #4 COPPER STRANDED WIRE SHALL BE FURNISHED AND INSTALLED IN THE PEDESTAL AND TRANSFORMER BASES.

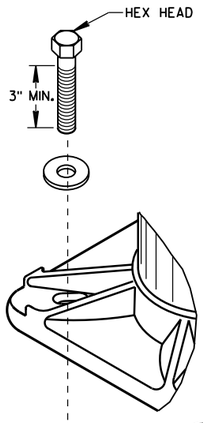
THE MECHANICAL CONNECTOR SHALL BE INSTALLED USING A 1/4" - 20 (TPI) STAINLESS STEEL HEX HEAD BOLT OF SUFFICIENT LENGTH TO FIRMLY ATTACH THE LUG TO THE BASE.

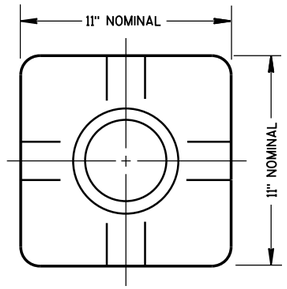
SHOULD THE MANNER OF ATTACHMENT OF THE LUG REQUIRE WASHERS, HEX NUTS, LOCK WASHER - THEY SHALL BE STAINLESS STEEL AS IS THE BOLT. THE MANNER OF ATTACHMENT SHALL NOT BLOCK ACCESSIBILITY TO WIRE PLACEMENT IN THE CONNECTOR.

PEDESTAL BASE COLLAR THREADING SHALL BE TAPERED AND IN ACCORDANCE WITH NATIONAL PIPE THREADING DIMENSIONS.

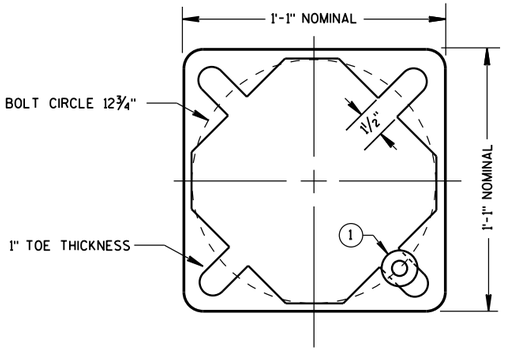
BASE COLLAR THREADING SHALL EXTEND INTO THE BASE COLLAR WITH SUFFICIENT DEPTH TO ACCEPT THE INSTALLATION OF TRAFFIC SIGNAL STANDARDS TO A DEPTH OF 1 1/2", THEN TIGHTENING TO A POINT OF BEING IMMOVABLE.

THE ACCESS DOOR SHALL BE OF THE SAME MATERIAL AS THE BASE.

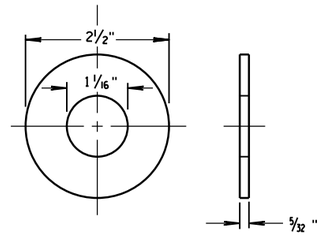




TOP VIEW
(PEDESTAL BASE)

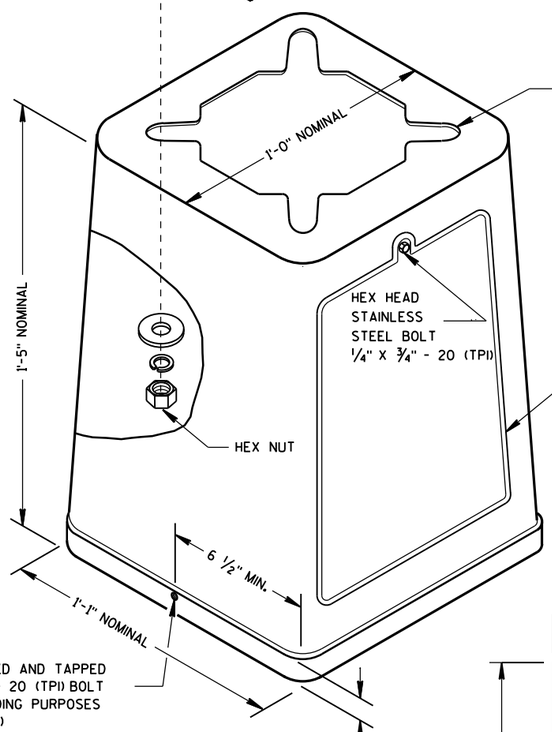


BOTTOM VIEW
(PEDESTAL BASE)

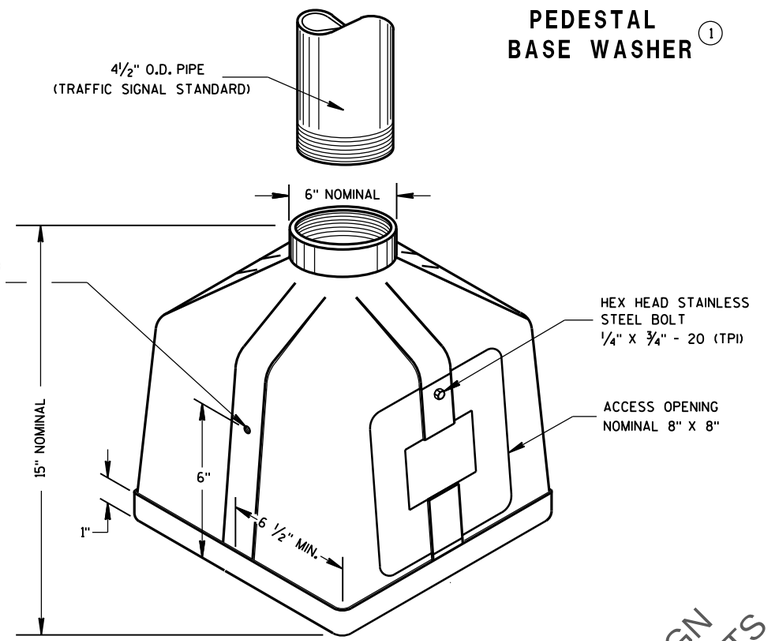


ZINC COATED STEEL WASHER
TO BE PROVIDED BY THE CONTRACTOR

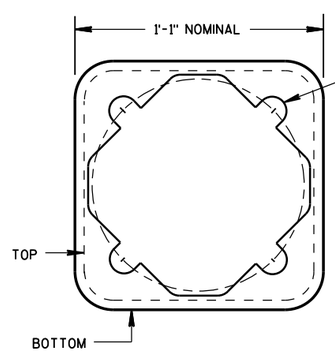
PEDESTAL BASE WASHER (1)



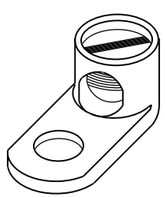
ISOMETRIC VIEW



ISOMETRIC VIEW
PEDESTAL BASE

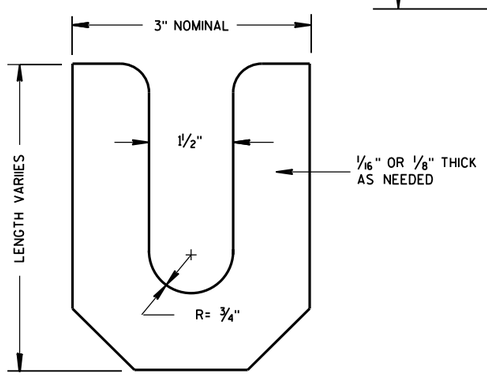


BOTTOM VIEW
(TRANSFORMER BASE)



TYPICAL MECHANICAL CONNECTOR LUG
TO BE FURNISHED WITH EACH BASE

TRANSFORMER BASE
INTENDED FOR USE WITH TYPE 2, 3, 4, 5 & 6 POLES



LEVELING SHIM

APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS

TRANSFORMER/PEDESTAL BASES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept. 2014 — DATE
/S/ Ahmet Demirbilek — STATE ELECTI
FHWA

PRE_277

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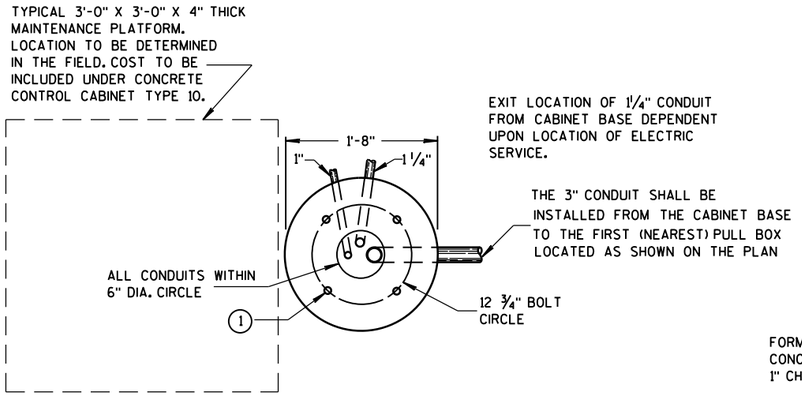
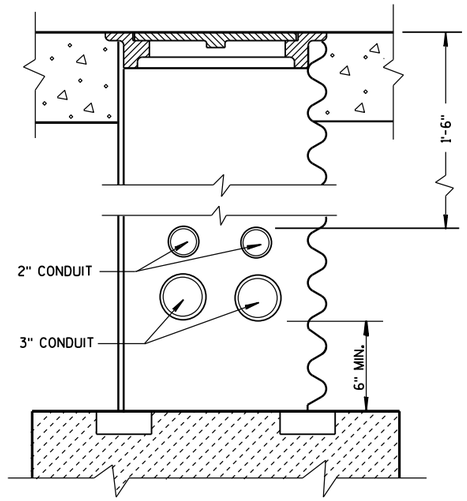
CONTROL CABINET BASE TYPE	DIMENSIONS				C.Y. CONCRETE (APPROX.)
	H	I	J	K	
TYPE 6 - 30" CABINET	34"	60"	10"	17"	.64
TYPE 7 - 38" CABINET	42"	60"	10"	21"	.93
TYPE 8 - 38" CABINET	42"	72"	12"	21"	1.29
TYPE 9 - VARIABLE	54"	72"	14"	27"	1.56
TYPE 10 - POST MOUNT	AS SHOWN				.65 *

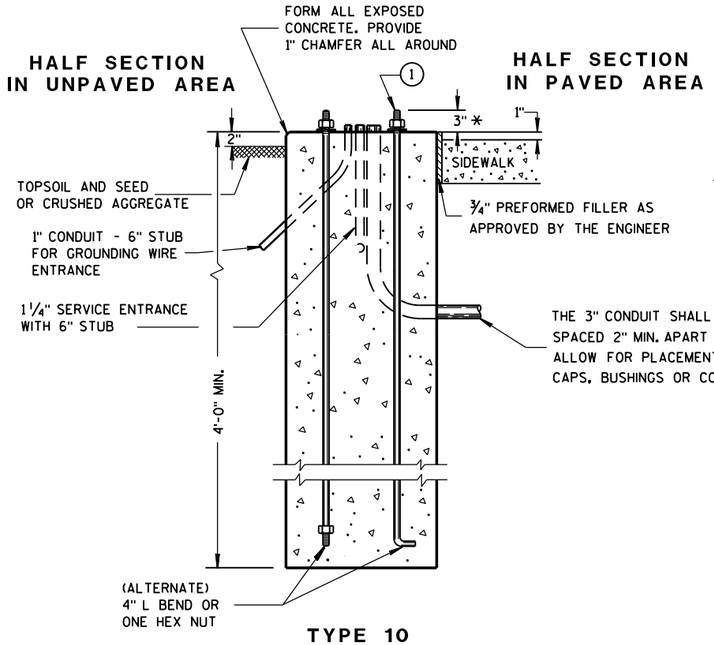
* INCLUDES MAINTENANCE PLATFORM.



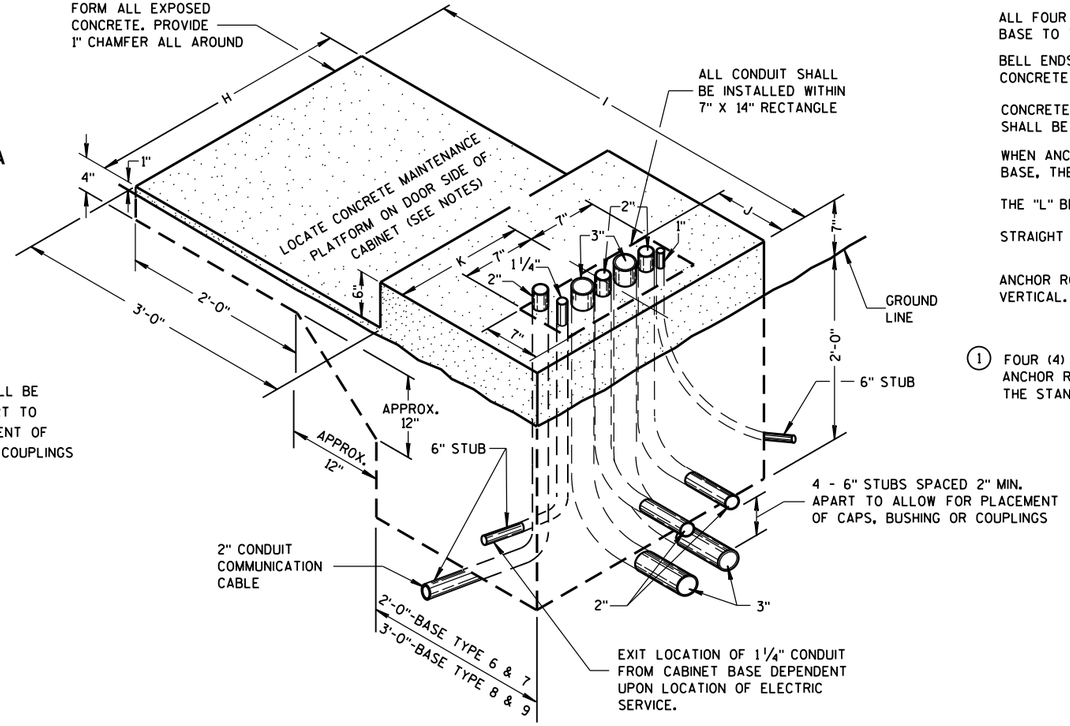


CONDUIT LOCATIONS IN 24" X 36" PULL BOX

(LEADING TO CONTROLLER CABINET BASE TYPE 6, 7, 8 AND 9)



TYPE 10



TYPE 6,7,8 AND 9
(ISOMETRIC VIEW)

* ANY ANCHOR ROD PROJECTION SHORTER THAN 2¾" OR LONGER THAN 3¼" SHALL REQUIRE THE BASE TO BE REMOVED AND REPLACED AT THE CONTRACTORS EXPENSE.

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

INSTALL FOUR ½ INCH MINIMUM DIAMETER X 4 INCH MINIMUM LENGTH APPROVED CONCRETE MASONRY ANCHORS WITH A PULLOUT STRENGTH OF 9,000 LBS. TO ANCHOR THE CABINET TO TYPE 6, 7, 8, AND 9 BASES. THE ANCHOR STUDS SHALL BE LOCATED AS DIRECTED BY THE ENGINEER TO PROPERLY ANCHOR THE CONTROL CABINET TO THE BASE.

WHEN REQUIRED TO CONNECT NONMETALLIC CONDUIT TO METALLIC CONDUIT, ONLY ADAPTER FITTINGS, U.L. LISTED FOR ELECTRICAL USE, SHALL BE USED.

CONDUIT HEIGHT ABOVE THE CONCRETE BASE SHALL BE 1 INCH.

DEPTH OF CONDUIT INSTALLED BELOW THE TRAVELED WAY SHALL BE 24 INCHES MINIMUM AND 36 INCHES MAXIMUM.

DEPTH OF CONDUIT INSTALLED THAT IS NOT BELOW THE TRAVELED WAY SHALL BE 18 INCHES MINIMUM AND 36 INCHES MAXIMUM.

ANY EXCEPTION TO THE MAXIMUM DEPTH SHALL BE ONLY WITH THE WRITTEN APPROVAL OF THE ENGINEER.

CONTROL CABINET BASE TOP SURFACES SHALL BE TROWEL FINISHED SMOOTH AND LEVEL.

WHEN A TYPE 10 CONTROL CABINET BASE IS USED TO POST MOUNT A CONTROL CABINET, A 36" SQUARE 4" THICK CONCRETE MAINTENANCE PLATFORM SHALL BE REQUIRED ON THE DOOR SIDE OF THE CABINET. THE TOP 1 INCH SHALL BE ABOVE FINISHED GRADE AND BE BROOM FINISHED AND LEVEL.

MAINTENANCE PLATFORMS ARE NOT REQUIRED WHEN THE SURROUNDING AREA IS PAVED.

MINIMUM BENDING RADIUS OF CONDUIT = 6 X THE DIAMETER.

ALL METALLIC CONDUIT ENDS SHALL BE REAMED AND THREADED.

ALL CONDUIT ENDS AT THE TOP OF CONCRETE BASES SHALL BE CAPPED IF METALLIC OR PLUGGED IF NONMETALLIC IMMEDIATELY AFTER PLACEMENT AND BEFORE CONCRETE IS POURED. CONDUITS IN WHICH WIRE OR CABLE IS NOT BEING INSTALLED SHALL REMAIN CAPPED OR PLUGGED.

ALL FOUR (TWO INCH AND THREE INCH) CONDUIT SHALL BE INSTALLED FROM THE CABINET BASE TO THE FIRST (NEAREST PULL BOX LOCATED AS SHOWN ON THE PLANS.

BELL ENDS SHALL BE INSTALLED ON ALL PVC CONDUIT EXPOSED AT THE TOP OF THE CONCRETE BASE BEFORE INSTALLATION OF CABLE OR WIRE.

CONCRETE FORM DEPTH BELOW FINISHED GRADE SHALL BE 6" MAXIMUM. CONCRETE FORMS SHALL BE REMOVED AFTER CONCRETE HAS SET.

WHEN ANCHOR RODS USING THE ALTERNATE L BEND ARE FURNISHED FOR THE TYPE 10 BASE, THE 4" L BEND SHALL BE IN ADDITION TO THE SPECIFIED ANCHOR ROD BAR LENGTH.

THE "L" BEND SHALL NOT BE THREADED.

STRAIGHT ANCHOR RODS SHALL BE THREADED 12" IN LENGTH ON EACH END OF THE ROD.

ANCHOR RODS SHALL BE INSTALLED WITH MISALIGNMENTS OF LESS THAN 1:40 FROM VERTICAL.

(1) FOUR (4) ANCHOR RODS, 1" DIA. X 3'-6". ANCHOR RODS SHALL BE MANUFACTURED IN ACCORDANCE WITH SECTION 654.2.1 OF THE STANDARD SPECIFICATIONS.

APPROVED FOR DESIGN OF UTILITY ADJUSTMENTS

CONCRETE CONTROL CABINET BASES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept. 2014 — DATE
/S/ Ahmet Demirbilek — STATE ELECTI
FHWA

PRE_278

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S.D.D. 9 C 5-9

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

BASES SHALL BE EXCAVATED BY USE OF A CIRCULAR AUGER.

TOP SURFACES OF CONCRETE BASES SHALL BE TROWEL FINISHED AND LEVEL.

CONDUIT SIZES AND LOCATIONS SHALL BE AS SHOWN ON THE PLANS.

THE FINAL OR TERMINATING CONCRETE BASE IN A CONDUIT RUN SHALL HAVE A 6" EXIT STUB INSTALLED FOR FUTURE CABLING USE. THE EXIT STUB SHALL BE SIZED AS USED THROUGHOUT THE CONDUIT RUN AS SHOWN AT THE ENTRANCE OF THE BASE.

MINIMUM BENDING RADIUS OF CONDUIT IS EQUAL TO 6 X THE DIAMETER.

CONDUIT HEIGHT ABOVE CONCRETE BASES SHALL BE 4 INCHES. ALL METALLIC CONDUIT ENDS SHALL BE REAMED AND THREADED. NONMETALLIC CONDUIT SHALL HAVE BELL END INSTALLED. ALL CONDUIT SHALL BE SLOPED TO PULL BOX.

ALL CONDUIT ENDS AT THE TOP OF CONCRETE BASES SHALL BE CAPPED IF METALLIC OR PLUGGED IF NONMETALLIC IMMEDIATELY AFTER PLACEMENT AND BEFORE CONCRETE IS POURED. CONDUIT IN WHICH WIRE OR CABLE IS NOT INSTALLED SHALL REMAIN CAPPED OR PLUGGED.

BELL ENDS SHALL BE INSTALLED ON ALL PVC CONDUIT EXPOSED AT THE TOP OF CONCRETE BASES BEFORE INSTALLATION OF CABLE OR WIRE.

ENDS OF CONDUIT INSTALLED BELOW GRADE FOR FUTURE USE SHALL BE CAPPED IF METALLIC OR PLUGGED IF NONMETALLIC.

WHEN REQUIRED TO CONNECT NONMETALLIC CONDUIT TO METALLIC CONDUIT, ONLY ADAPTER FITTINGS, U.L. LISTED FOR ELECTRICAL USE, SHALL BE USED.

IF A BASE REQUIRES A DEEP FORM BECAUSE OF LOOSE DIRT OR FILL, THE FORM SHALL BE REMOVED BEFORE BACKFILLING AROUND THE BASE. BACKFILL SHALL BE TAMPED TIGHT AGAINST THE BARE CONCRETE BASE IN LAYERS OF 1 FOOT OR LESS.

A NO. 4 AWG, STRANDED COPPER EQUIPMENT GROUNDING CONDUCTOR SHALL BE EXOTHERMICALLY WELDED TO THE EQUIPMENT GROUNDING ELECTRODE (GROUND ROD).

THE EQUIPMENT GROUNDING CONDUCTOR SHALL ENTER THE BASE THROUGH A 1 INCH CONDUIT INSTALLED FOR GROUNDING PURPOSES, LEAVING A 4 FOOT COIL OF WIRE ABOVE THE CONCRETE BASE. THE EQUIPMENT GROUNDING CONDUCTOR SHALL BE NEATLY COILED AND THE COILS TIED TOGETHER.

WELDING OF THE ANCHOR RODS TO THE CAGE IS UNACCEPTABLE. TEMPLATES SHALL BE USED.

BAR STEEL REINFORCEMENT SHALL BE COATED WITH POWDERED EPOXY RESIN IN ACCORDANCE WITH SECTION 505 OF THE STANDARD SPECIFICATIONS (LATEST EDITION).

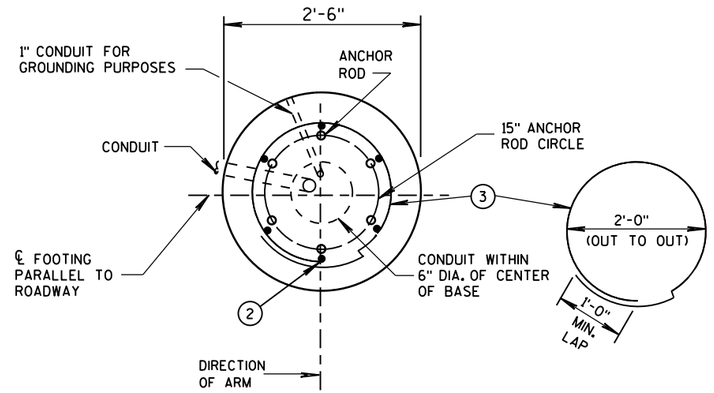
ANCHOR RODS SHALL BE INSTALLED WITH MISALIGNMENTS OF LESS THAN 1:40 FROM VERTICAL.

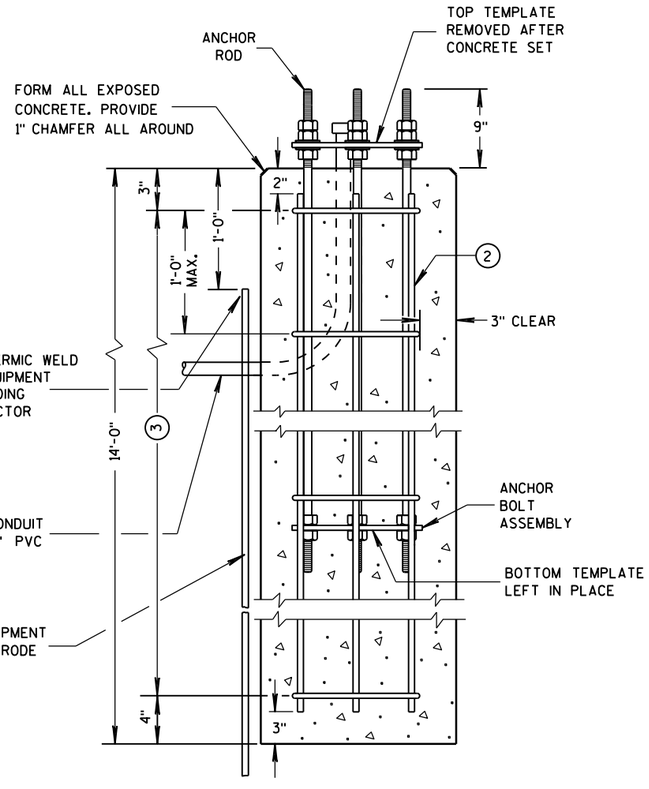
(1) THE MINIMUM DEPTH OF CONDUIT EXITING THE CONCRETE BASE AND INSTALLED BELOW THE TRAVELED WAY SHALL BE 24 INCHES. THE MINIMUM DEPTH OF CONDUIT EXITING THE CONCRETE BASE THAT IS NOT INSTALLED BELOW THE TRAVELED WAY SHALL BE 18 INCHES. THE MAXIMUM DEPTH OF ALL CONDUIT SHALL BE 36 INCHES, (GREATER THAN 36 INCHES IF INSTALLED IN BREAKER-RUN), EXCEPT WITH WRITTEN APPROVAL BY THE ENGINEER.

(2) (6) NO. 6 X 13'-7" BAR STEEL REINFORCEMENT.

(3) (15) NO. 4 X 7'-4" BAR STEEL REINFORCEMENT @ 1'-0" MAX. C-C.

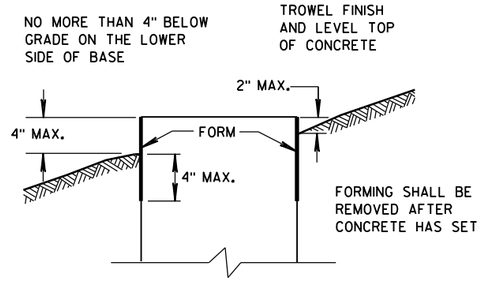
CONCRETE MASONRY	fc=3,500 p.s.i.
HIGH STRENGTH BAR STEEL REINFORCEMENT, GRADE 60	fy=60,000 p.s.i.
ANCHOR RODS, AASHTO M314 GRADE 55	fy=55,000 p.s.i.
TEMPLATES, ASTM, A709 GRADE 36	fy=36,000 p.s.i.



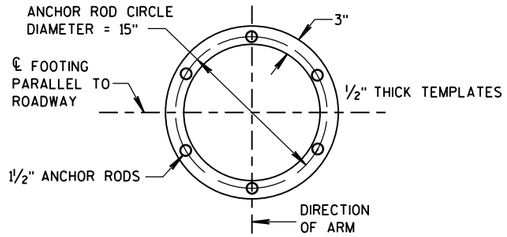


CONCRETE BASE TYPE 10
(FOR TYPE 9 & 10 POLES)

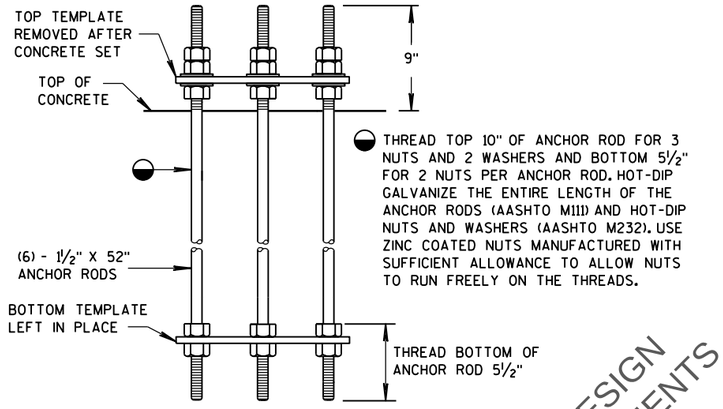
TO BE USED WHEN GROUND ELEVATION AT BASE EQUALS OR IS GREATER THAN HIGH POINT OF ROADWAY ELEVATION. SEE S.D.D. 9C13-2 WHEN GROUND ELEVATION AT BASE IS LOWER THAN HIGH POINT OF ROADWAY ELEVATION.



FORMING DETAIL



TOP AND BOTTOM TEMPLATES



ANCHOR BOLT ASSEMBLY DETAIL

CONCRETE BASE TYPE 10 ANCHOR ASSEMBLY

QUANTITY REQUIREMENTS	
APPROX. CUBIC YARDS OF CONCRETE	2.5
LBS. OF HOOP BAR STEEL	69
LBS. OF VERTICAL BAR STEEL	122

APPROVED FOR DESIGN OF UTILITY ADJUSTMENTS

CONCRETE BASE TYPE 10

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept., 2015 — DATE
/S/ Ahmet Demirbilek — STATE ELECTRICAL ENGINEER
FHWA

PRE_279

6

S.D.D. 9 C 11-8

6

S.D.D. 9 C 11-8

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

BASES SHALL BE EXCAVATED BY USE OF A CIRCULAR AUGER.

TOP SURFACES OF CONCRETE BASES SHALL BE TROWEL FINISHED AND LEVEL.

CONDUIT SIZES AND LOCATIONS SHALL BE AS SHOWN ON THE PLANS.

THE FINAL OR TERMINATING CONCRETE BASE IN A CONDUIT RUN SHALL HAVE A 6" EXIT STUB INSTALLED FOR FUTURE CABLING USE. THE EXIT STUB SHALL BE SIZED AS USED THROUGHOUT THE CONDUIT RUN AS SHOWN AT THE ENTRANCE OF THE BASE.

MINIMUM BENDING RADIUS OF CONDUIT IS EQUAL TO 6 X THE DIAMETER.

CONDUIT HEIGHT ABOVE CONCRETE BASES SHALL BE 4 INCHES. ALL METALLIC CONDUIT ENDS SHALL BE REAMED AND THREADED. NONMETALLIC CONDUIT SHALL HAVE BELL END INSTALLED. ALL CONDUIT SHALL BE SLOPED TO PULL BOX.

ALL CONDUIT ENDS AT THE TOP OF CONCRETE BASES SHALL BE CAPPED IF METALLIC OR PLUGGED IF NONMETALLIC IMMEDIATELY AFTER PLACEMENT AND BEFORE CONCRETE IS POURED. CONDUIT IN WHICH WIRE OR CABLE IS NOT INSTALLED SHALL REMAIN CAPPED OR PLUGGED.

BELL ENDS SHALL BE INSTALLED ON ALL PVC CONDUIT EXPOSED AT THE TOP OF CONCRETE BASES BEFORE INSTALLATION OF CABLE OR WIRE.

ENDS OF CONDUIT INSTALLED BELOW GRADE FOR FUTURE USE SHALL BE CAPPED IF METALLIC OR PLUGGED IF NONMETALLIC.

WHEN REQUIRED TO CONNECT NONMETALLIC CONDUIT TO METALLIC CONDUIT, ONLY ADAPTER FITTINGS, U.L. LISTED FOR ELECTRICAL USE, SHALL BE USED.

IF A BASE REQUIRES A DEEP FORM BECAUSE OF LOOSE DIRT OR FILL, THE FORM SHALL BE REMOVED BEFORE BACKFILLING AROUND THE BASE. BACKFILL SHALL BE TAMPED TIGHT AGAINST THE BARE CONCRETE BASE IN LAYERS OF 1 FOOT OR LESS.

A NO. 4 AWG, STRANDED COPPER EQUIPMENT GROUNDING CONDUCTOR SHALL BE EXOTHERMICALLY WELDED TO THE EQUIPMENT GROUNDING ELECTRODE (GROUND ROD).

THE EQUIPMENT GROUNDING CONDUCTOR SHALL ENTER THE BASE THROUGH A 1 INCH CONDUIT INSTALLED FOR GROUNDING PURPOSES, LEAVING A 4 FOOT COIL OF WIRE ABOVE THE CONCRETE BASE. THE EQUIPMENT GROUNDING CONDUCTOR SHALL BE NEATLY COILED AND THE COILS TIED TOGETHER.

WELDING OF THE ANCHOR RODS TO THE CAGE IS UNACCEPTABLE. TEMPLATES SHALL BE USED.

BAR STEEL REINFORCEMENT SHALL BE COATED WITH POWDERED EPOXY RESIN IN ACCORDANCE WITH SECTION 505 OF THE STANDARD SPECIFICATIONS (LATEST EDITION).

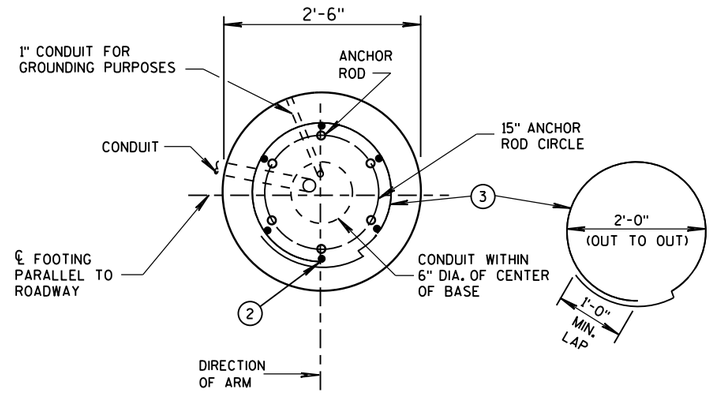
ANCHOR RODS SHALL BE INSTALLED WITH MISALIGNMENTS OF LESS THAN 1:40 FROM VERTICAL.

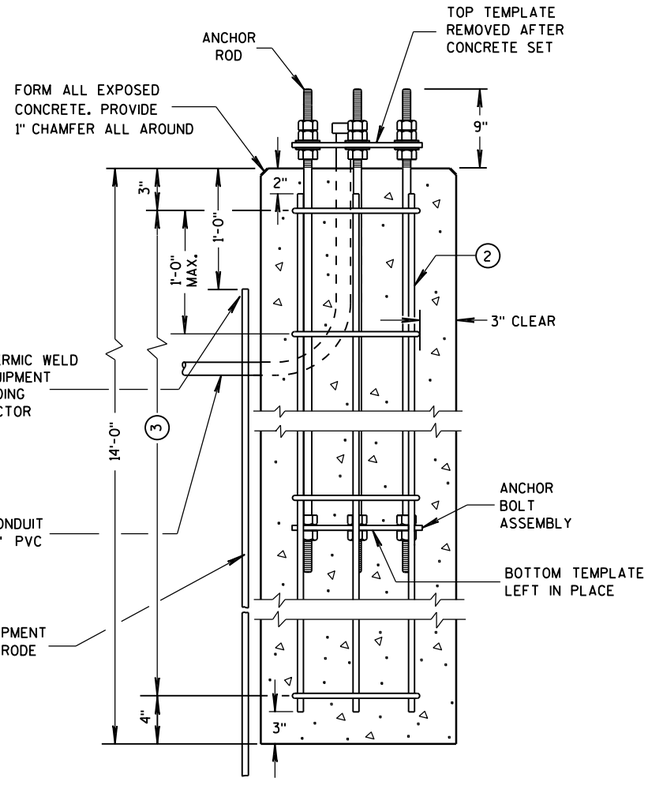
(1) THE MINIMUM DEPTH OF CONDUIT EXITING THE CONCRETE BASE AND INSTALLED BELOW THE TRAVELED WAY SHALL BE 24 INCHES. THE MINIMUM DEPTH OF CONDUIT EXITING THE CONCRETE BASE THAT IS NOT INSTALLED BELOW THE TRAVELED WAY SHALL BE 18 INCHES. THE MAXIMUM DEPTH OF ALL CONDUIT SHALL BE 36 INCHES, (GREATER THAN 36 INCHES IF INSTALLED IN BREAKER-RUN), EXCEPT WITH WRITTEN APPROVAL BY THE ENGINEER.

(2) (6) NO. 6 X 13'-7" BAR STEEL REINFORCEMENT.

(3) (15) NO. 4 X 7'-4" BAR STEEL REINFORCEMENT @ 1'-0" MAX. C-C.

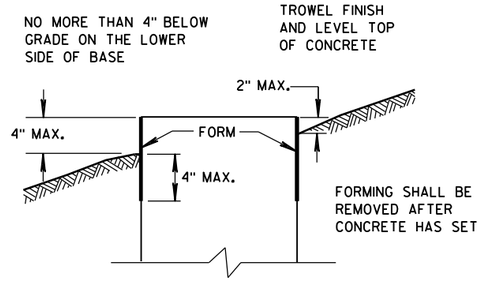
CONCRETE MASONRY	fc=3,500 p.s.i.
HIGH STRENGTH BAR STEEL REINFORCEMENT, GRADE 60	fy=60,000 p.s.i.
ANCHOR RODS, AASHTO M314 GRADE 55	fy=55,000 p.s.i.
TEMPLATES, ASTM, A709 GRADE 36	fy=36,000 p.s.i.



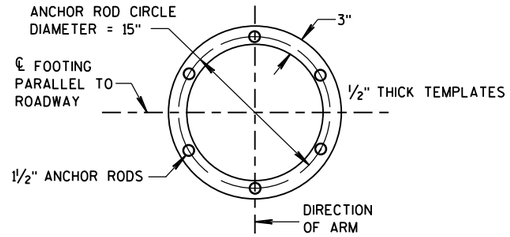


CONCRETE BASE TYPE 10
(FOR TYPE 9 & 10 POLES)

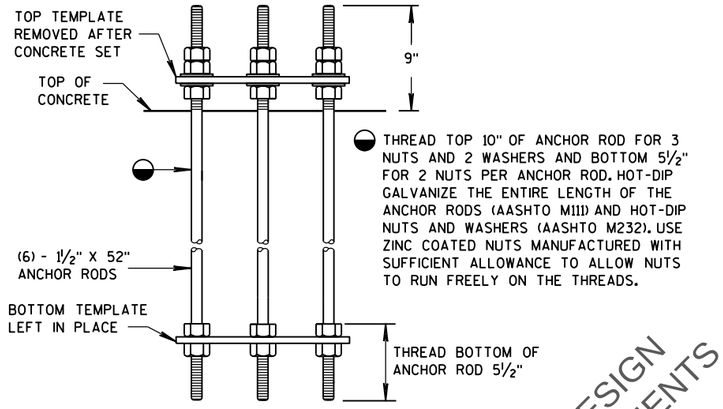
TO BE USED WHEN GROUND ELEVATION AT BASE EQUALS OR IS GREATER THAN HIGH POINT OF ROADWAY ELEVATION. SEE S.D.D. 9C13-2 WHEN GROUND ELEVATION AT BASE IS LOWER THAN HIGH POINT OF ROADWAY ELEVATION.



FORMING DETAIL



TOP AND BOTTOM TEMPLATES



ANCHOR BOLT ASSEMBLY DETAIL

CONCRETE BASE TYPE 10 ANCHOR ASSEMBLY

QUANTITY REQUIREMENTS	
APPROX. CUBIC YARDS OF CONCRETE	2.5
LBS. OF HOOP BAR STEEL	69
LBS. OF VERTICAL BAR STEEL	122

APPROVED FOR DESIGN OF UTILITY ADJUSTMENTS

CONCRETE BASE TYPE 10

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept., 2015 — DATE
/S/ Ahmet Demirbilek — STATE ELECTRICAL
FHWA

PRE_280

6

S.D.D. 9 C 11-8

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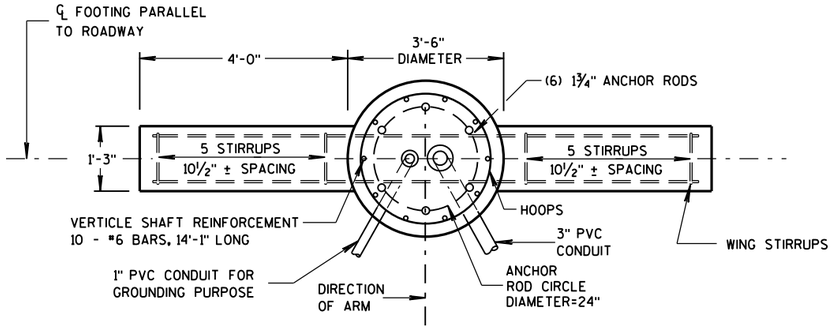
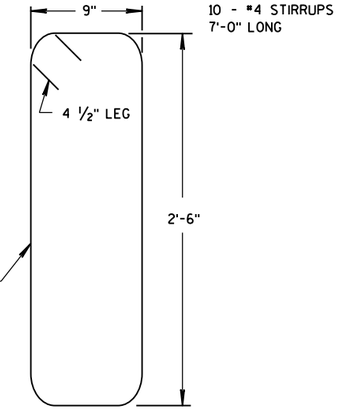
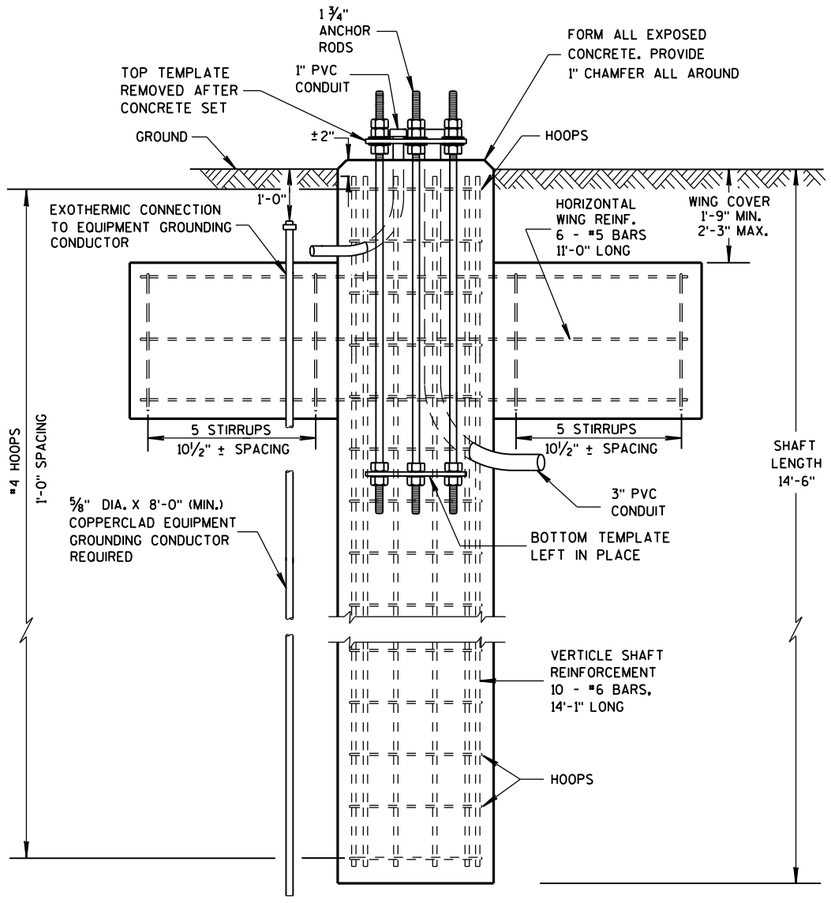
S.D.D. 9 C 11-8



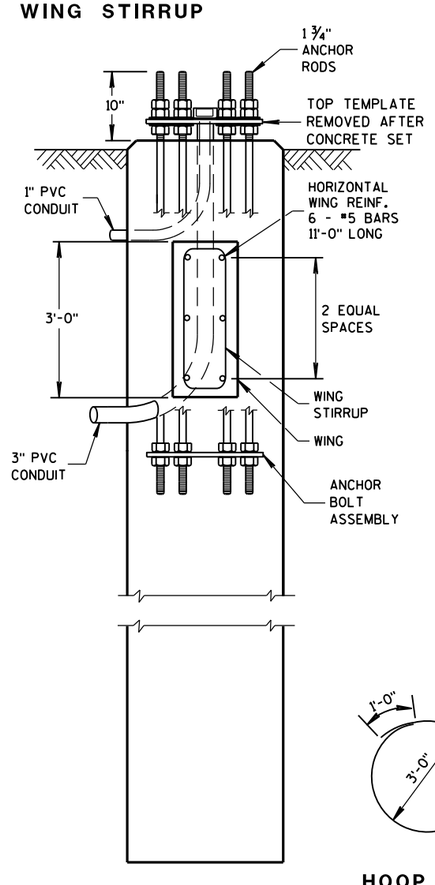
PLAN VIEW



WING STIRRUP

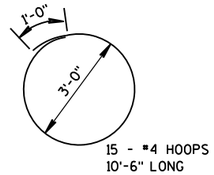


ELEVATION VIEW



SIDE VIEW

DOES NOT SHOW HOOPS OR VERTICAL SHAFT REINFORCEMENT



15 - #4 HOOPS 10'-6" LONG

HOOP DETAIL

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

ORIENT ANCHOR RODS IN FOOTING AND PROVIDE ANCHOR ROD PROJECTION ABOVE TOP OF CONCRETE FOOTING BASE PER THIS SHEET.

BENDING DIMENSIONS FOR REINFORCING BARS ARE OUT TO OUT.

USE 3" CLEAR FOR ALL REINFORCEMENT UNLESS NOTED OTHERWISE.

THE CONTRACTOR IS RESPONSIBLE FOR MAKING HIS OWN DETERMINATION AS TO THE TYPE AND LOCATION OF THE UNDERGROUND UTILITIES AS MAY BE NECESSARY TO AVOID DAMAGE THERETO.

WELDING OF ANCHOR RODS TO THE CAGE IS UNACCEPTABLE. TEMPLATES SHALL BE USED.

BASES (SHAFT), BELOW THE WING, SHALL BE EXCAVATED BY THE USE OF A CIRCULAR AUGER. IF A BASE REQUIRES A DEEP FORM BECAUSE OF LOOSE SOIL, THE FORM SHALL BE REMOVED BEFORE BACKFILLING AROUNG THE BASE. BACKFILL SHALL BE TAMPED TIGHT AGAINST THE BARE CONCRETE BASE IN LAYERS OF 1 FOOT OR LESS.

TOP SURFACE OF THE CONCRETE BASE SHALL BE TROWEL FINISHED AND LEVEL.

CONDUIT SIZE AND LOCATIONS SHALL BE AS SHOWN ON THE PLANS.

MINIMUM BENDING RADIUS OF CONDUIT IS EQUAL TO 6 X THE DIAMETER.

CONDUIT HEIGHT ABOVE CONCRETE BASE SHALL BE 4½" INCHES. ALL METALLIC CONDUIT ENDS SHALL BE REAMED AND THREADED. NONMETALLIC CONDUIT SHALL HAVE BELL ENDS INSTALLED. ALL CONDUIT SHALL SLOPE TO PULL BOX.

ALL CONDUIT ENDS AT THE TOP OF THE BASES SHALL BE CAPPED IF METALLIC OR PLUGGED IF NONMETALLIC IMMEDIATELY AFTER PLACEMENT AND BEFORE CONCRETE IS POURED. CONDUITS IN WHICH WIRE OR CABLE IS NOT INSTALLED SHALL REMAIN CAPPED OR PLUGGED.

BELL ENDS SHALL BE INSTALLED ON ALL PVC CONDUIT EXPOSED AT THE TOP OF CONCRETE BASES BEFORE INSTALLATION OF CABLE OR WIRE.

WHEN REQUIRED TO CONNECT NONMETALLIC CONDUIT TO METALLIC CONDUIT, ONLY ADAPTOR FITTINGS, UL LISTED FOR ELECTRICAL USE, SHALL BE USED.

A NO. 4 AWG, STRANDED COPPER EQUIPMENT GROUNDING CONDUCTOR SHALL BE EXOTHERMICALLY WELDED TO THE EQUIPMENT GROUNDING ELECTRODE (GROUND ROD).

THE EQUIPMENT GROUNDING CONDUCTOR SHALL BE FURNISHED AND INSTALLED TO ENTER THE BASE THROUGH A 1-INCH CONDUIT INSTALLED FOR GROUNDING PURPOSES, LEAVING A 4-FOOT COIL OF WIRE ABOVE THE CONCRETE BASE, THE EQUIPMENT GROUNDING CONDUCTOR SHALL BE NEATLY COILED AND THE COILS TIED TOGETHER.

BAR STEEL REINFORCEMENT SHALL BE COATED WITH POWDERED EPOXY RESIN IN ACCORDANCE WITH SECTION 505 OF THE STANDARD SPECIFICATIONS.

THE MINIMUM DEPTH OF CONDUIT EXITING THE CONCRETE BASE AND INSTALLED BELOW THE TRAVEL WAY SHALL BE 24-INCHES. THE MINIMUM DEPTH OF CONDUIT EXITING THE CONCRETE BASE THAT IS NOT INSTALLED BELOW THE TRAVELED WAY SHALL BE 18-INCHES. THE MAXIMUM DEPTH OF ALL CONDUIT SHALL BE 36-INCHES, (GREATER THAN 36-INCHES IF INSTALLED IN BREAKER-RUN), EXCEPT WITH THE WRITTEN APPROVAL OF THE ENGINEER.

ANCHOR RODS SHALL BE INSTALLED WITH MISALIGNMENTS OF LESS THAN 1:40 FROM VERTICAL.

CONCRETE MASONRY	fc=3,500 p.s.i.
HIGH STRENGTH BAR STEEL REINFORCEMENT, GRADE 60	fy=60,000 p.s.i.
ANCHOR RODS, AASHTO M314 GRADE 55	fy=55,000 p.s.i.
TEMPLATES, ASTM A709 GRADE 36	fy=36,000 p.s.i.

(FOR TYPE 12 & 13 POLES)

CONCRETE = 6.3 C.Y.
H.S. REINFORCEMENT = 433 LBS.

TO BE USED WHEN GROUND ELEVATION AT BASE EQUALS OR IS GREATER THAN HIGH POINT OF ROADWAY ELEVATION.
SEE S.D.D. 9C13-2 WHEN GROUND ELEVATION AT BASE IS LOWER THAN HIGH POINT OF ROADWAY ELEVATION.

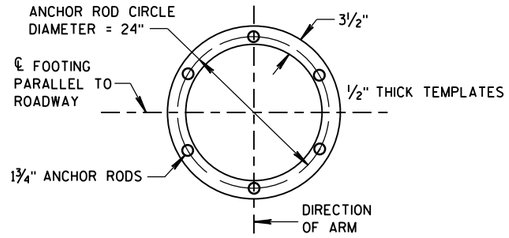
APPROVED FOR DESIGN OF UTILITY ADJUSTMENTS

CONCRETE BASE TYPE 13

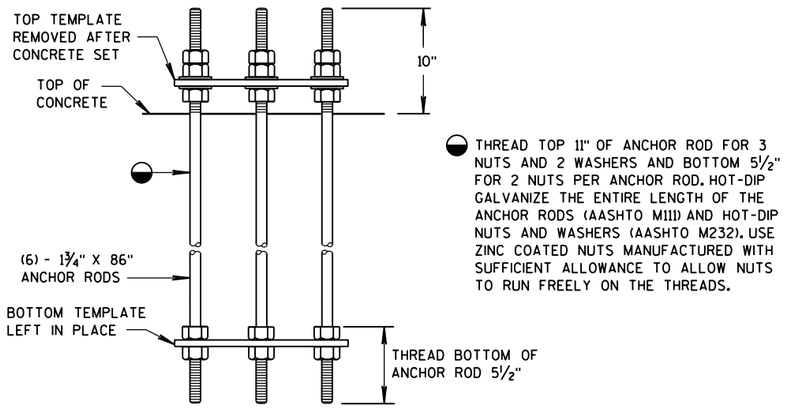
STATE OF WISCONSIN
DEPARTMENT OF TRAN PRE_281

6

S.D.D. 9 C 12-7a

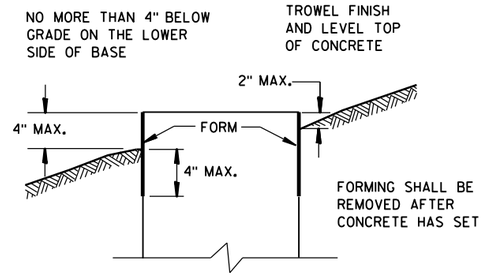


TOP AND BOTTOM TEMPLATES



ANCHOR BOLT ASSEMBLY DETAIL

CONCRETE BASE TYPE 13 ANCHOR ASSEMBLY



FORMING DETAIL

APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS

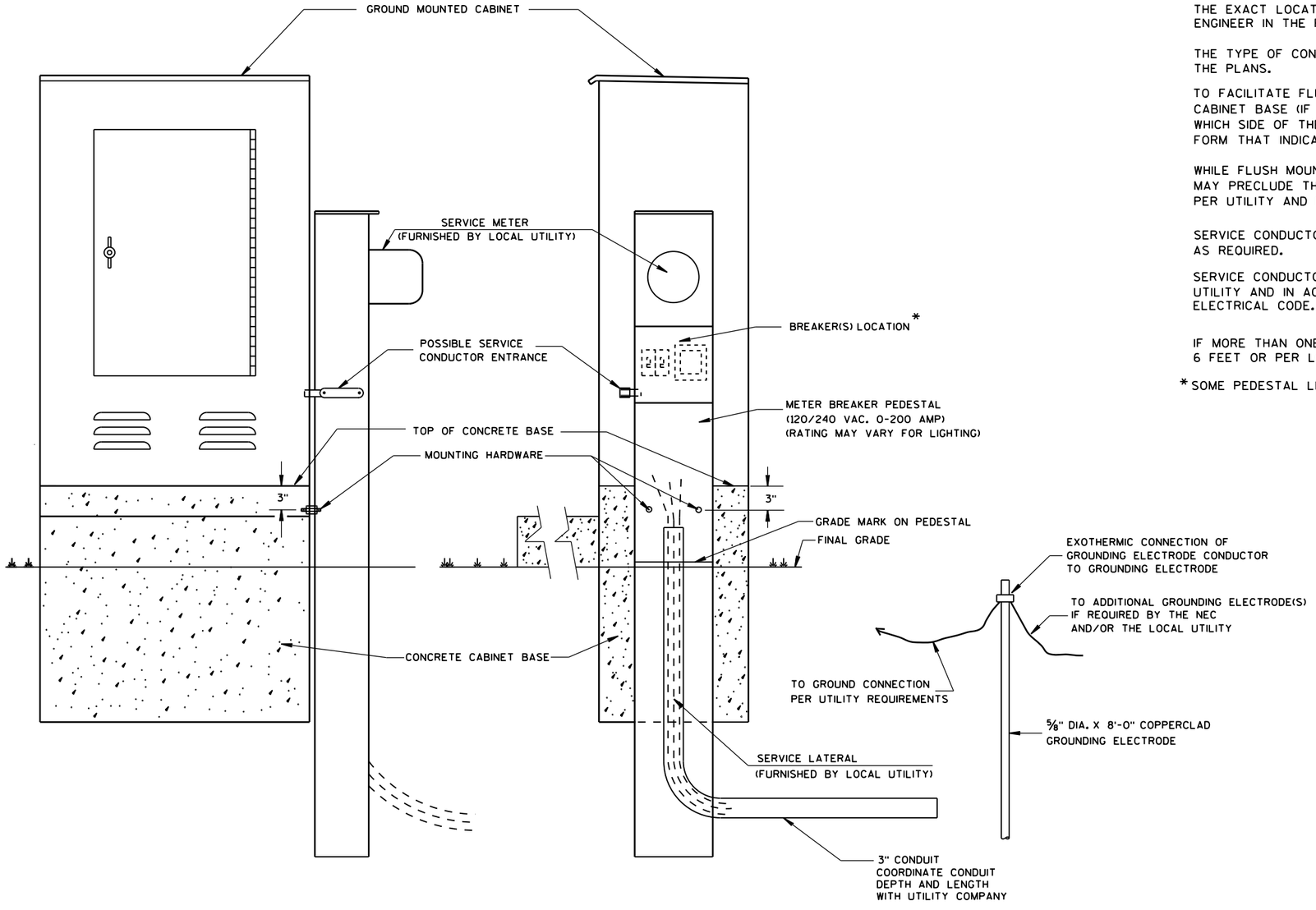
CONCRETE BASE TYPE 13

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept. 2015
DATE
/S/ Ahmet Demirbilek
STATE ELECTI
FHWA

6

S.D.D. 9 C 12-7b



TYPICAL CABINET SERVICE INSTALLATION

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

THE EXACT LOCATION OF THE METER BREAKER PEDESTAL SHALL BE DETERMINED BY THE ENGINEER IN THE FIELD.

THE TYPE OF CONCRETE CABINET BASE TO BE INSTALLED SHALL BE AS CALLED FOR IN THE PLANS.

TO FACILITATE FLUSH MOUNTING OF THE METER BREAKER PEDESTAL AGAINST THE SIDE OF THE CABINET BASE (IF FLUSH MOUNTING POSSIBLE. CONFER WITH THE LOCAL UTILITY TO DETERMINE WHICH SIDE OF THE CONCRETE BASE THE ELECTRICAL SERVICE LATERAL WILL APPROACH. THEN FORM THAT INDICATED SIDE FOR FULL SIDE DEPTH.

WHILE FLUSH MOUNTING IS THE MOST DESIRABLE MOUNTING CONFIGURATION UTILITY REQUIREMENTS MAY PRECLUDE THIS OPTION. CONTRACTOR MUST PROVIDE UTILITY APPROVED PEDESTAL AND INSTALL PER UTILITY AND MANUFACTURERS REQUIREMENTS.

SERVICE CONDUCTOR ENTRANCES SHALL BE RIGID METALLIC CONDUIT, NIPPLES AND/OR CONDULETS AS REQUIRED.

SERVICE CONDUCTOR ENTRANCES SHALL BE SIZED AND LOCATED AS REQUIRED BY THE LOCAL UTILITY AND IN ACCORDANCE WITH APPROPRIATE ARTICLES OF THE LATEST ACCEPTED NATIONAL ELECTRICAL CODE.

IF MORE THAN ONE GROUNDING ELECTRODE IS REQUIRED, THE DISTANCE APART SHALL BE 6 FEET OR PER LOCAL UTILITY REGULATIONS.

* SOME PEDESTAL LIGHTING PLANS SHOW MAIN LUGS ONLY.

APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS

CABINET SERVICE INSTALLATION
(METER BREAKER PEDESTAL)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept. 2014
DATE
/S/ Ahmet Demirbilek
STATE ELECTI
FHWA

PRE_283

6

S.D.D. 9 D 1-5

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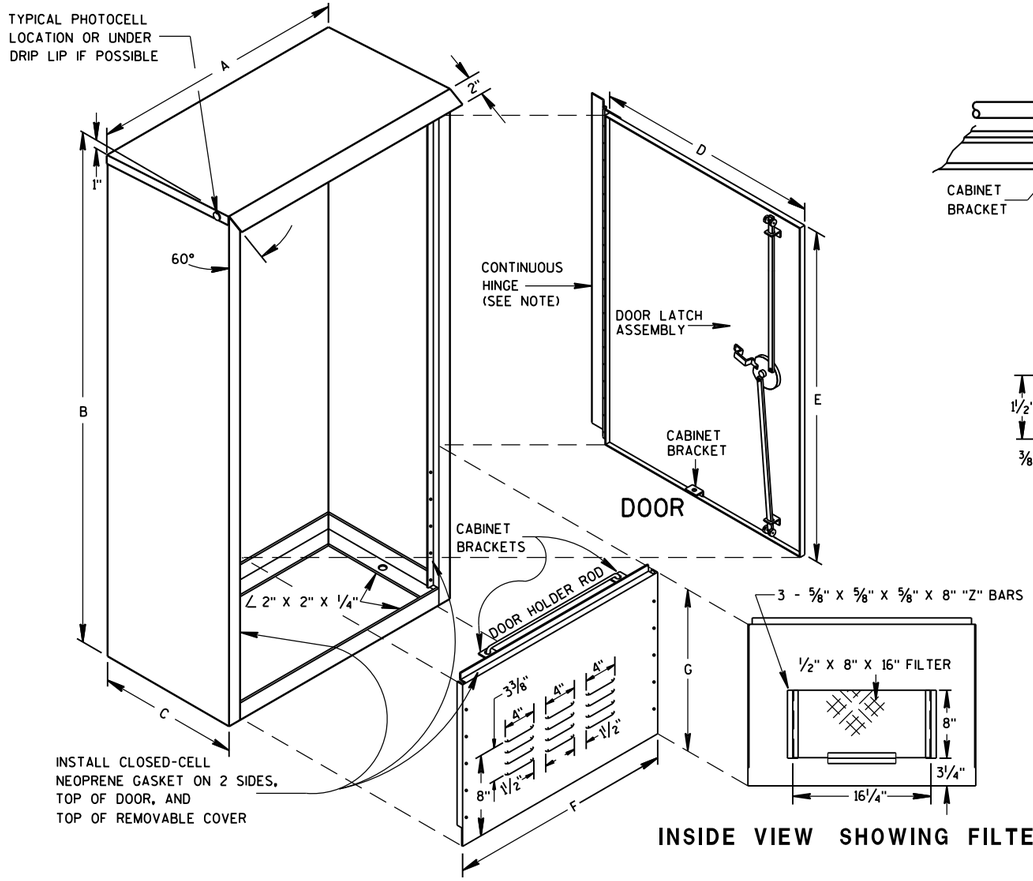
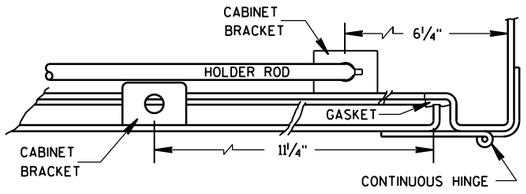
S.D.D. 9 D 1-5

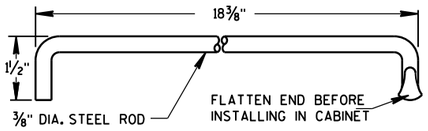


REMOVABLE COVER

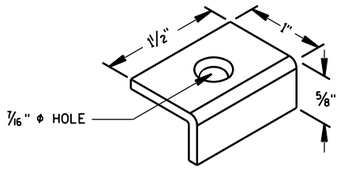
INSIDE VIEW SHOWING FILTER



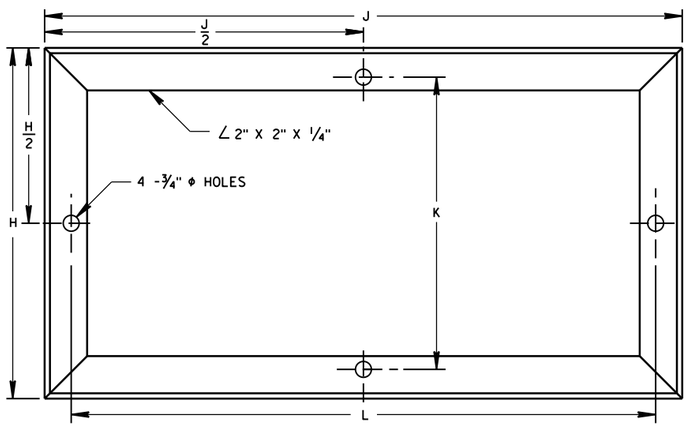
HINGE & DOOR HOLDER



HOLDER ROD



CABINET BRACKET



MOUNTING BASE

TABLE OF DIMENSIONS (INCHES)

MARK	CABINET TYPE		
	3060	3860	3866
A	30	38	38
B	60	60	66
C	16 1/2	16 1/2	24
D	26 1/2	34 3/4	33 3/4
E	38 3/4	38 3/4	38 3/4
F	26 1/2	34 3/4	33 3/4
G	19	19	25
H	16 1/2	16 1/2	24
H/2	8 1/4	8 1/4	12
J	30	38	38
J/2	15	19	19
K	13 3/4	13 3/4	21 1/4
L	27 1/2	35 1/2	35 1/2

GENERAL NOTES

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

PRIME WITH PHOSPHATE TREATMENT AND PRIMER.

FINISH EXTERIOR SURFACES WITH RUSTOLEUM #906 SILVER GRAY OR APPROVED EQUAL.

FINISH INTERIOR WITH RUSTOLEUM #2766 HIGH GLOSS WHITE ENAMEL OR APPROVED EQUAL.

ALL SHEET METAL PARTS SHALL BE .125 INCH THICK ALUMINUM.

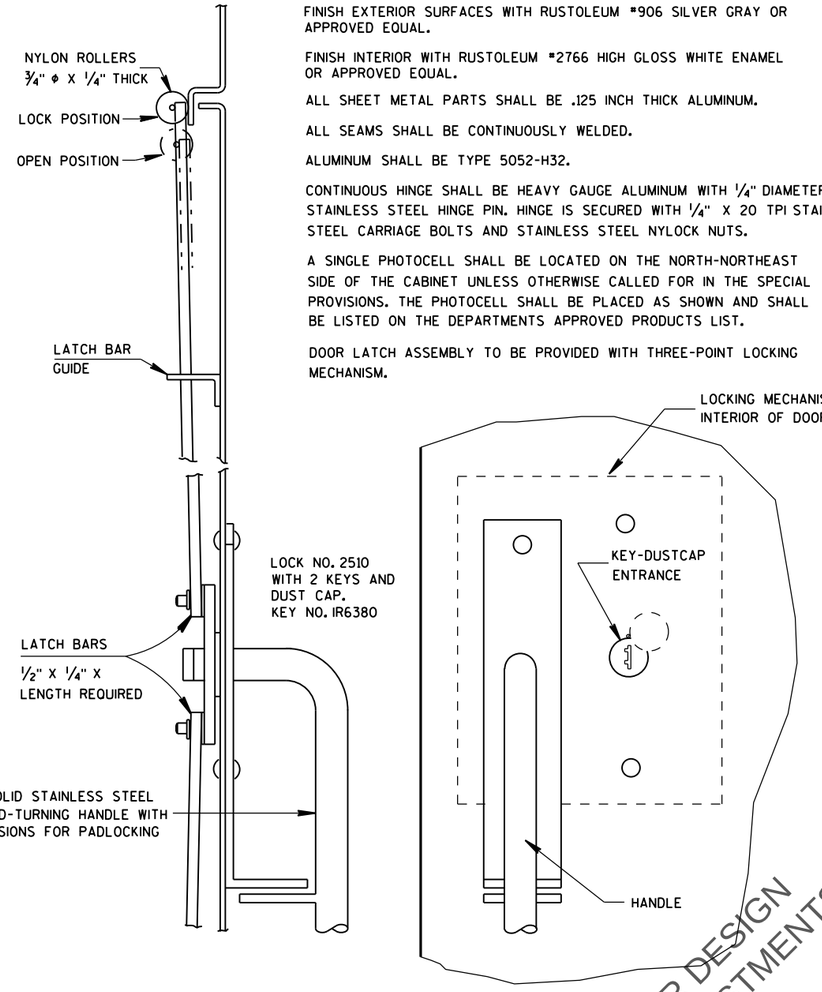
ALL SEAMS SHALL BE CONTINUOUSLY WELDED.

ALUMINUM SHALL BE TYPE 5052-H32.

CONTINUOUS HINGE SHALL BE HEAVY GAUGE ALUMINUM WITH 1/4" DIAMETER STAINLESS STEEL HINGE PIN. HINGE IS SECURED WITH 1/4" X 20 TPI STAINLESS STEEL CARRIAGE BOLTS AND STAINLESS STEEL NYLOCK NUTS.

A SINGLE PHOTOCELL SHALL BE LOCATED ON THE NORTH-NORTHEAST SIDE OF THE CABINET UNLESS OTHERWISE CALLED FOR IN THE SPECIAL PROVISIONS. THE PHOTOCELL SHALL BE PLACED AS SHOWN AND SHALL BE LISTED ON THE DEPARTMENTS APPROVED PRODUCTS LIST.

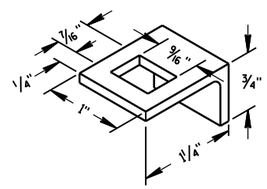
DOOR LATCH ASSEMBLY TO BE PROVIDED WITH THREE-POINT LOCKING MECHANISM.



SIDE VIEW

FRONT VIEW

LATCH ASSEMBLY



LATCH BAR GUIDE

APPROVED FOR DESIGN OF UTILITY ADJUSTMENTS

SIGNAL CONTROL CABINET

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept. 2014
DATE
/S/ Ahmet Demirbilek
STATE ELECTRICAL ENGINEER
FHWA

PRE_284

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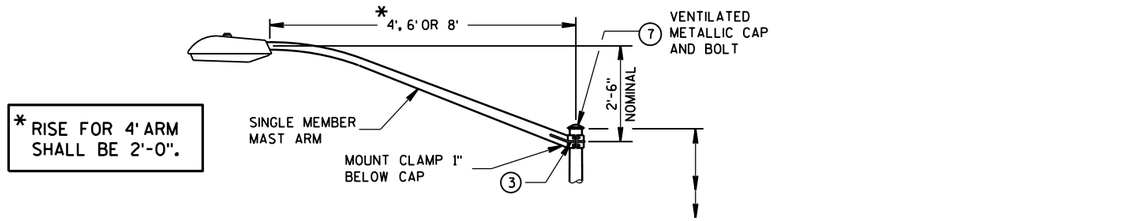
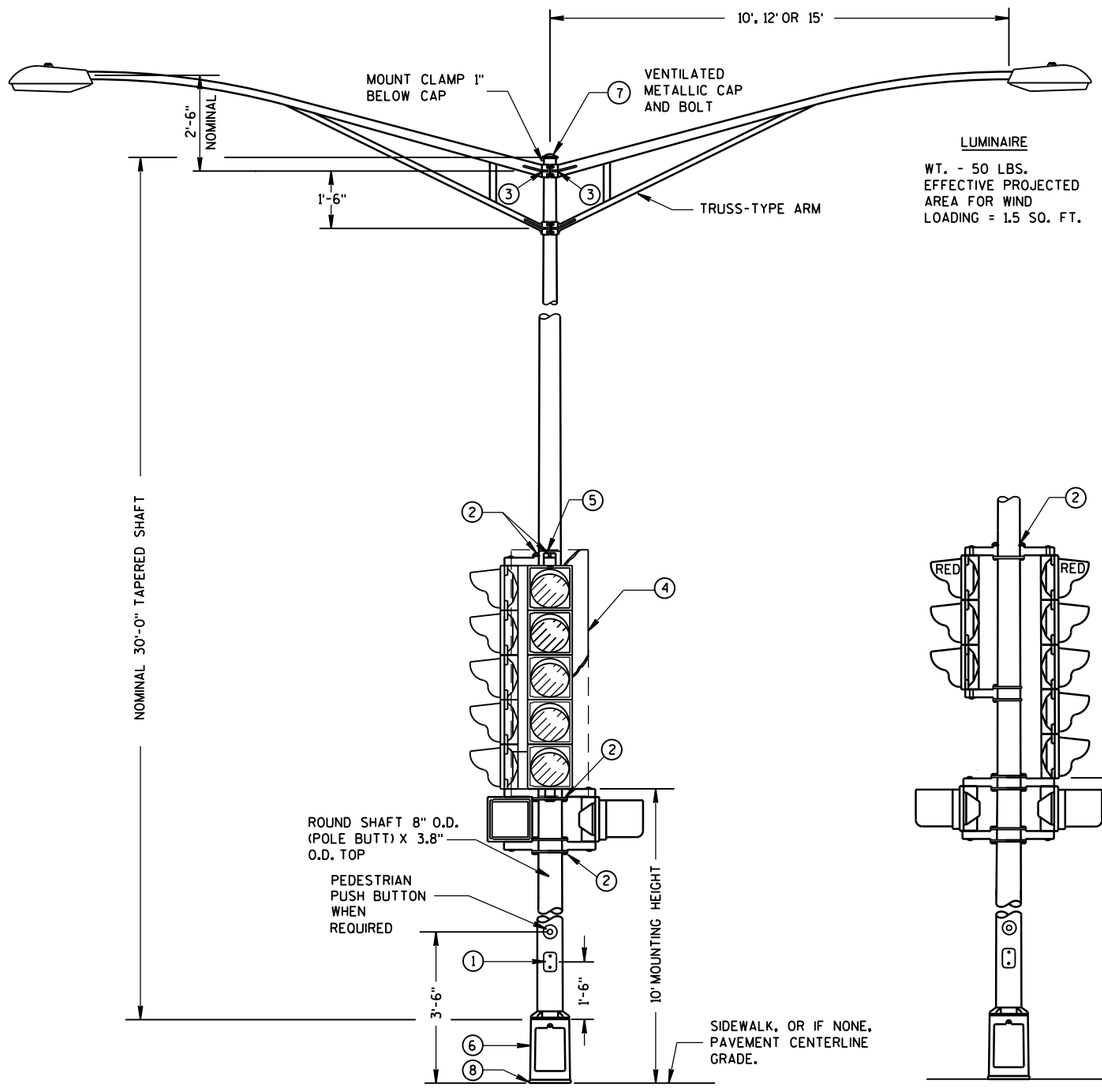
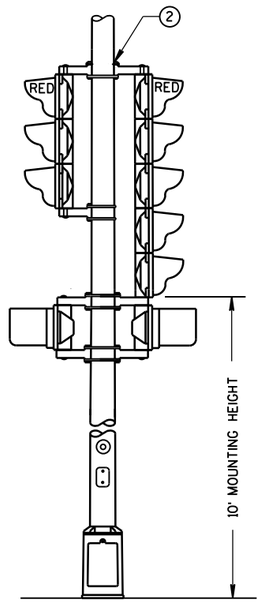




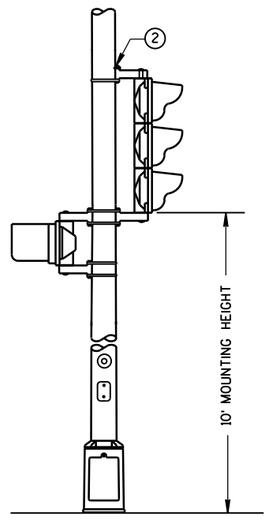
LUMINAIRE

WT. - 50 LBS.
EFFECTIVE PROJECTED AREA FOR WIND LOADING = 1.5 SQ. FT.

(MAXIMUM LOAD)

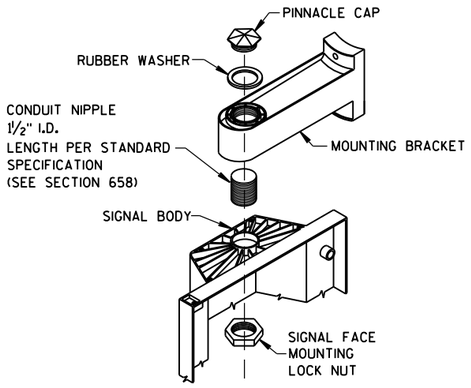


TYPICAL MOUNTING OF BACK TO BACK 3 AND 5 SECTION SIGNAL FACES



TYPICAL MOUNTING OF 3 SECTION SIGNAL FACE

TYPE 4 POLE MOUNTING CONFIGURATION



SIGNAL FACE MOUNTING DETAIL

(BANDED)

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

ALL TYPE 4 POLE MOUNTINGS SHALL BE DESIGNED TO INCLUDE TWIN 15' ARMS WITH LUMINAIRES.

POLES SHALL BE GALVANIZED STEEL WITH A MINIMUM WALL THICKNESS OF U.S. STANDARD 11 GAGE (.1196").

SECTION 657, POLES, OF THE STANDARD SPECIFICATIONS SHALL APPLY TO THIS DRAWING.

THE SLIPFITTER END OF THE LUMINAIRE MAST ARM SHALL BE A NOMINAL 2⅜ INCHES IN OUTSIDE DIAMETER. THE STRAIGHT PORTION OF THE SLIPFITTER END OF THE LUMINAIRE MAST ARM SHALL BE A NOMINAL 12 INCHES IN LENGTH.

WHEN TRANSFORMER BASES ARE USED, CONNECTIONS SHALL BE MADE IN THE TRANSFORMER BASE.

(1) 4" X 6" REINFORCED HANDHOLE & COVER ASSEMBLY WITH 2 (TWO) ¼" X ¾" - 20 TPI HEX HEAD STAINLESS STEEL BOLTS.

(2) SIGNAL FACE MOUNTING BRACKETS, MOUNT WITH CAP SCREWS AND BANDING. (SEE STANDARD SPECIFICATIONS - SEC. 658).

(3) GROMMETS, 1" CHASE NIPPLES OR 1" CLOSE CONDUIT NIPPLES WITH BUSHINGS SHALL BE PROVIDED FOR 1⅜" HOLE IN POLE SHAFT FOR WIRING.

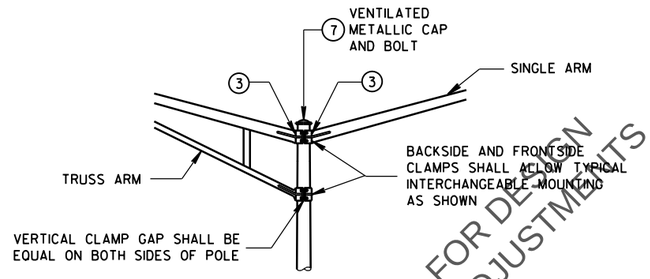
(4) SECURELY MOUNT DULL BLACK POLYCARBONATE BACKPLATES, PROJECTING 5" BEYOND ALL SIDES OF THE SIGNAL FACE HOUSING, PER MANUFACTURER'S RECOMMENDATIONS.

(5) POLE MOUNTED SIGNAL FACES SHALL REQUIRE 1 OR MORE MOUNTING SPACERS UNDER THE TOP MOUNTING BRACKET(S) AS REQUIRED, TO PLUMB THE SIGNAL FACE.

(6) CAST ALUMINUM TRANSFORMER BASE, WHEN REQUIRED.

(7) FURNISH AND INSTALL VENTILATED, CAST, METALLIC (ALUMINUM ALLOY) CAPS. FASTEN CAPS WITH ONE (1) ¼" X ¾" - 20 TPI STAINLESS STEEL, HEX HEAD BOLT.

(8) SHIMMING, IF NEEDED, SHALL BE LOCATED BETWEEN THE CONCRETE FOUNDATION AND THE TRANSFORMER BASE.



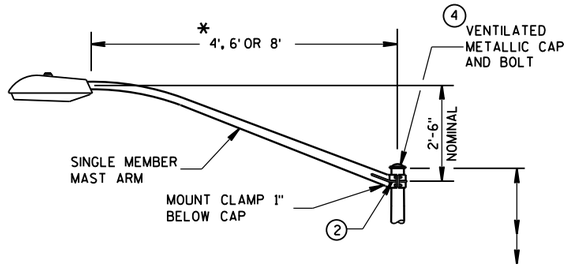
INTERCHANGEABLE MOUNTING DETAIL

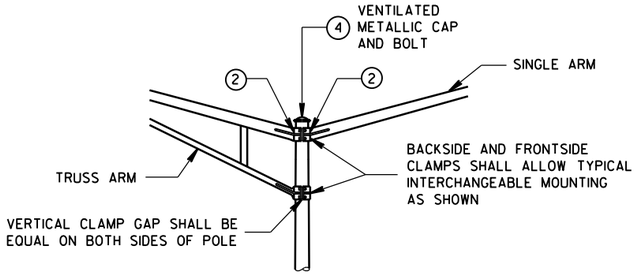
APPROVED FOR DESIGN OF UTILITY ADJUSTMENTS

POLE MOUNTINGS FOR TRAFFIC SIGNALS AND LIGHTING UNITS, TYPE 4

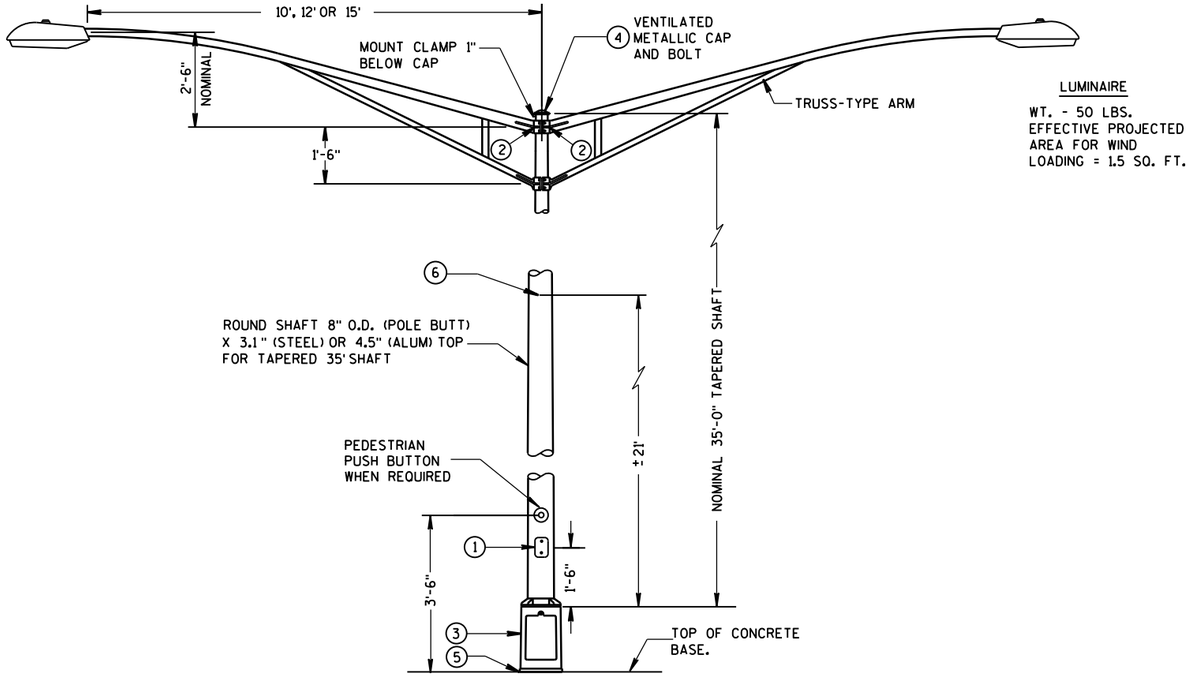
STATE OF WISCONSIN
DEPARTMENT OF TRAN PRE_285

* RISE FOR 4' ARM SHALL BE 2'-0".





INTERCHANGEABLE MOUNTING DETAIL



TYPE 6 POLE MOUNTING CONFIGURATION

(MAXIMUM LOAD)

LIGHTING ONLY

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM ~~TO THE PERTINENT~~ REQUIREMENTS OF THE CONTRACT.

ALL TYPE 6 POLE MOUNTINGS SHALL BE DESIGNED TO INCLUDE TWIN 15' ARMS WITH LUMINAIRES.

POLES SHALL BE EITHER GALVANIZED STEEL OR ALUMINUM, AS CALLED FOR IN THE CONTRACT.

TYPE 6 ALUMINUM POLES, SHALL BE CONSTRUCTED OF 6063-T6 ALUMINUM ALLOY. SLEEVING INSIDE THE POLE IS NOT ACCEPTABLE.

THE TYPE 6 ALUMINUM POLES SHALL HAVE MINIMUM WALL THICKNESS OF 0.219".

TYPE 6 STEEL POLES SHALL HAVE A MINIMUM WALL THICKNESS OF U.S. STANDARD 11 GAGE (.1196").

THE SLIPFITTER END OF THE LUMINAIRE MAST ARM SHALL BE A NOMINAL 2⅜ INCHES IN OUTSIDE DIAMETER. THE STRAIGHT PORTION OF THE SLIPFITTER END OF THE LUMINAIRE ARM SHALL BE A NOMINAL 12 INCHES IN LENGTH.

WHEN TRANSFORMER BASES ARE USED, WIRE CONNECTIONS SHALL BE MADE IN THE TRANSFORMER BASE.

(1) 4" x 6" REINFORCED HANDHOLE & COVER ASSEMBLY WITH 2 (TWO) ¼" X ¾" - 20 TPI HEX HEAD STAINLESS STEEL BOLTS.

(2) GROMMETS, 1" CHASE NIPPLES OR 1" CLOSE CONDUIT NIPPLES WITH BUSHINGS SHALL BE PROVIDED FOR 1⅜" HOLE IN POLE SHAFT FOR WIRING.

(3) CAST ALUMINUM TRANSFORMER BASE, WHEN REQUIRED.

(4) FURNISH AND INSTALL VENTILATED, CAST, METALLIC (ALUMINUM ALLOY) CAPS. FASTEN CAPS WITH ONE (1) ¼" X ¾" - 20 TPI STAINLESS STEEL, HEX HEAD BOLT.

(5) SHIMMING, IF NEEDED, SHALL BE LOCATED BETWEEN THE CONCRETE FOUNDATION AND THE TRANSFORMER BASE.

(6) INTERNAL DUMBBELL-TYPE VIBRATION DAMPER.

APPROVED FOR DESIGN OF UTILITY ADJUSTMENTS

POLE MOUNTINGS FOR LIGHTING UNITS, TYPE 6 (35 FEET)

STATE OF WISCONSIN
DEPARTMENT OF TRAN PRE_286

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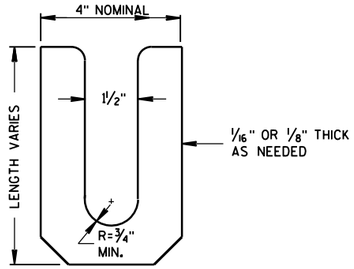
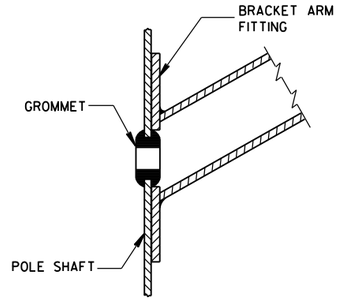
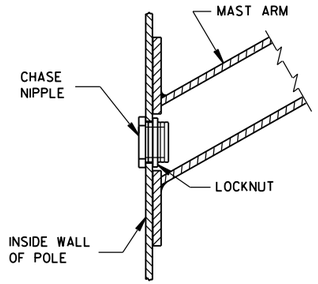


LEVELING SHIM (13)

SHALL BE ALUMINUM



TYPICAL APPLICATION OF GROMMET IN POLE SHAFT



TYPICAL APPLICATION OF CHASE NIPPLE IN POLE SHAFT

GENERAL NOTES

CLAMP BOLT-NUT TIGHTENING TORQUE SHALL BE INDICATED BY INDENT STAMPING (1/2 INCH NUMERALS AND LETTERS) OR WEATHERPROOF PRINTING ON THE INSIDE OF THE CLAMP THAT IS WELDED TO THE ARM MEMBER.

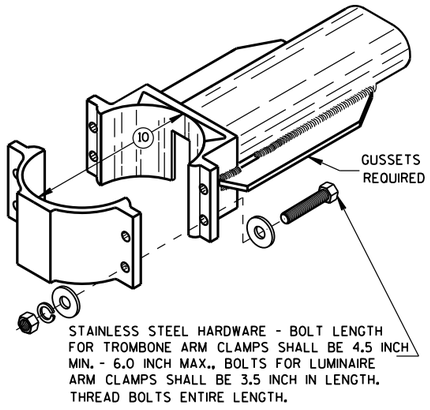
(10) 4.5" I.D. FOR LUMINAIRE MAST ARM CLAMP.
6.625" I.D. FOR TROMBONE MAST ARM CLAMP.

(11) INDIVIDUAL BASE PLATE ANCHOR ROD COVERS. (4 REQUIRED)

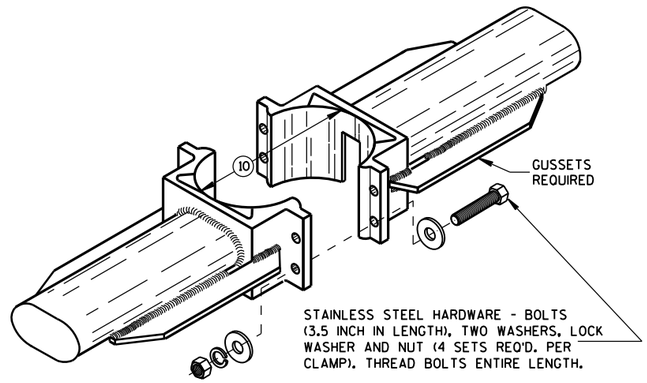
(12) BASE PLATE SLOTTED TO ACCEPT 11" THROUGH 12" BOLT CIRCLE USING 1" DIAMETER ANCHOR RODS.

(13) LEVELING SHIMS, DESIGNED FOR THE PURPOSE, SHALL BE USED WHEN PLUMBING POLES. THE USE OF WASHERS IN LIEU OF PROPER LEVELING SHIMS IS NOT ACCEPTABLE. LEVELING SHIMS SHALL BE USED ONLY BETWEEN THE TOP OF THE CONCRETE BASE AND A METALLIC BASE PLATE.

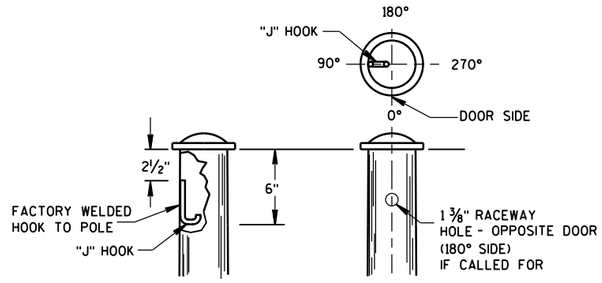
SHIMS SHALL BE LONG ENOUGH AND WIDE ENOUGH TO COMPLETELY COVER THE AREA UNDER THE LENGTH AND WIDTH OF THE BASE MOUNTING FLANGE.



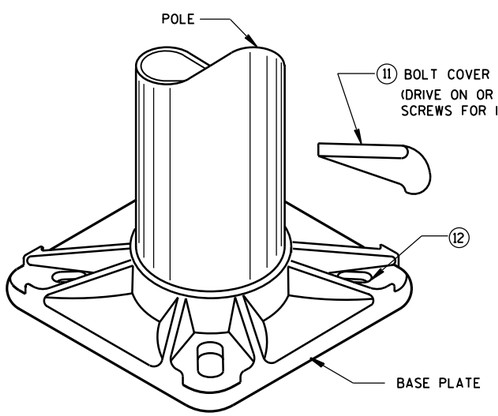
TYPICAL TROMBONE MAST ARM AND SINGLE LUMINAIRE MAST ARM MOUNTING CLAMP



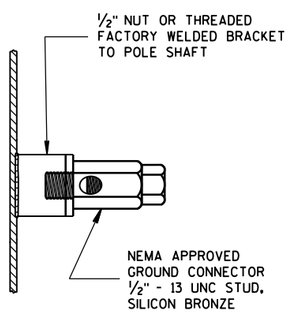
TYPICAL LUMINAIRE MAST ARM (DOUBLE) MOUNTING BRACKETS

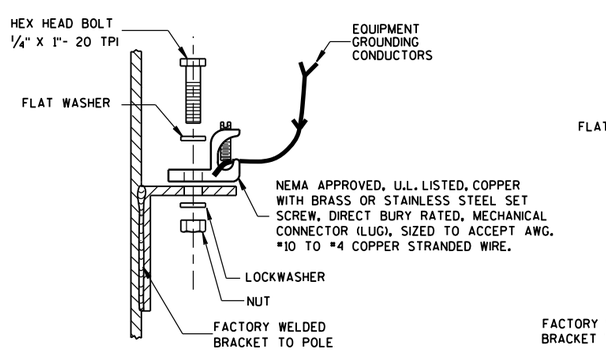


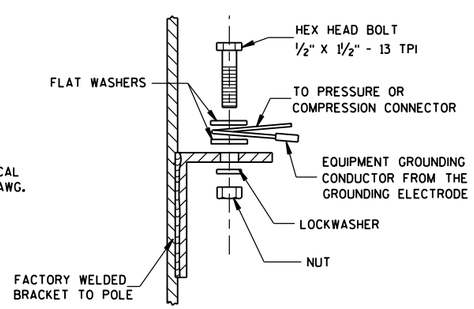
TYPICAL "J" HOOK LOCATION



BASE PLATE







TYPICAL GROUNDING CONNECTIONS

NUT, BOLT AND WASHERS SHALL BE STAINLESS STEEL

APPROVED FOR DESIGN OF UTILITY ADJUSTMENTS

HARDWARE DETAILS FOR POLE MOUNTINGS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Feb. 2015
DATE

/S/ Ahmet Demirbilek
STATE ELECTI

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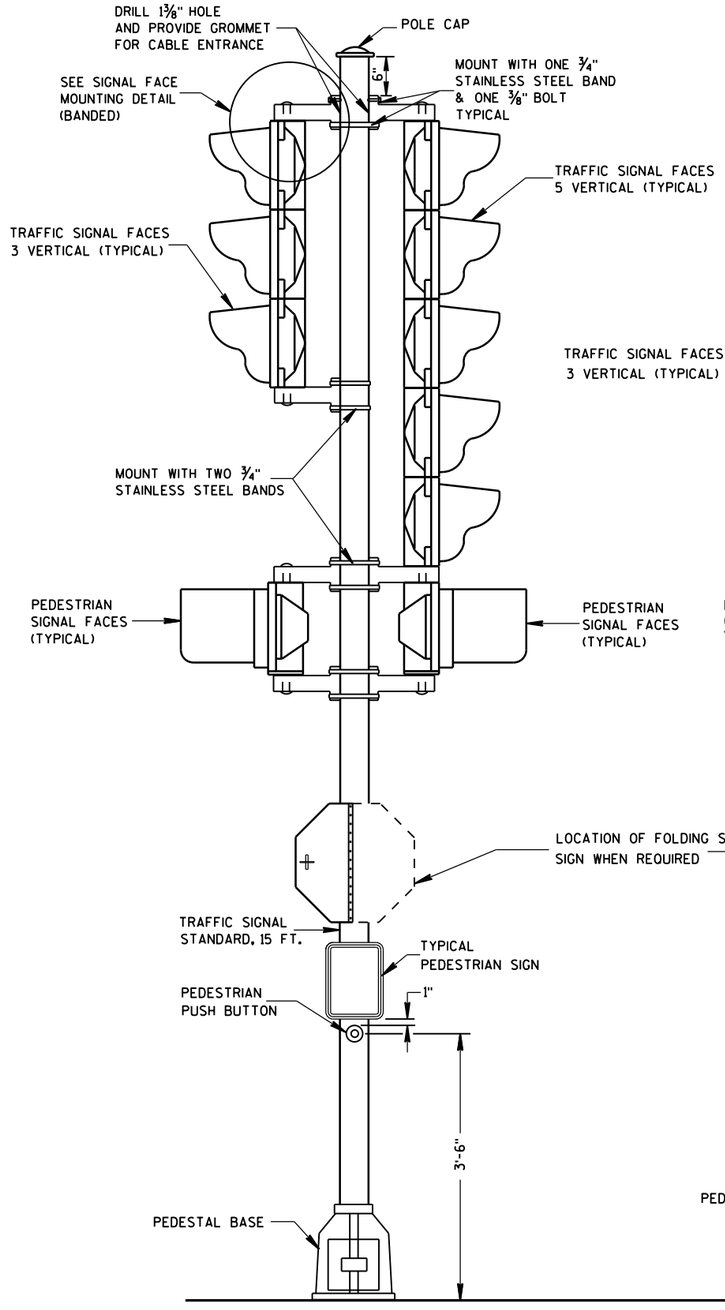
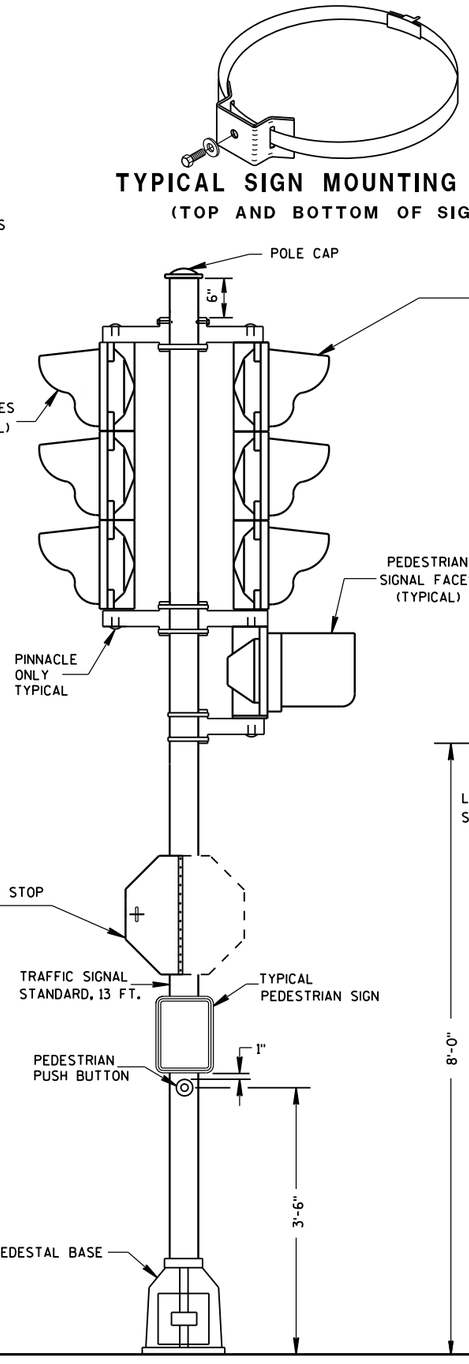
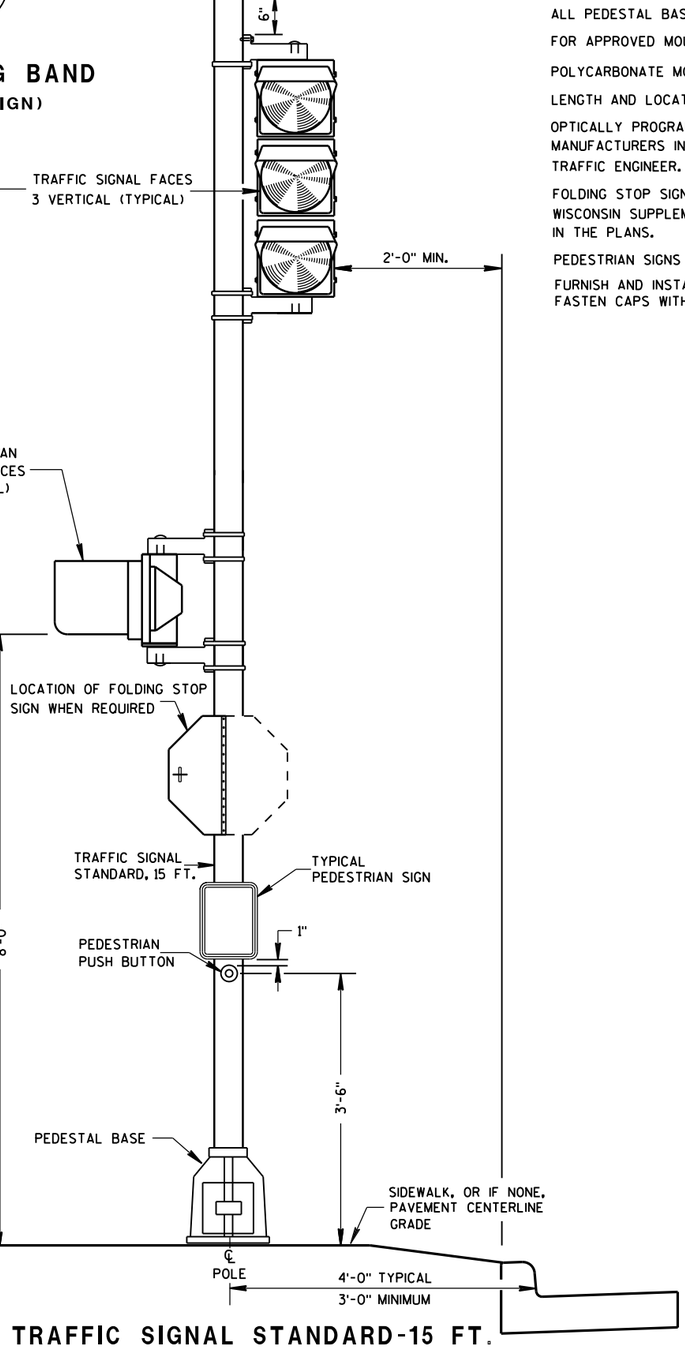


TRAFFIC SIGNAL STANDARD-15 FT.



TRAFFIC SIGNAL STANDARD-13 FT.

TYPICAL SIGN MOUNTING BAND
(TOP AND BOTTOM OF SIGN)



TRAFFIC SIGNAL STANDARD-15 FT.
3M MOUNTING (TYPICAL)

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

SEE THE SIGNAL PLAN FOR REQUIRED SIGNAL FACE SIZES.

ALL PEDESTAL BASES SHALL BE MOUNTED ON CONCRETE BASE - TYPE 1.

FOR APPROVED MOUNTING HARDWARE, SEE THE CONTRACT SPECIAL PROVISIONS.

POLYCARBONATE MOUNTING BRACKETS SHALL BE USED.

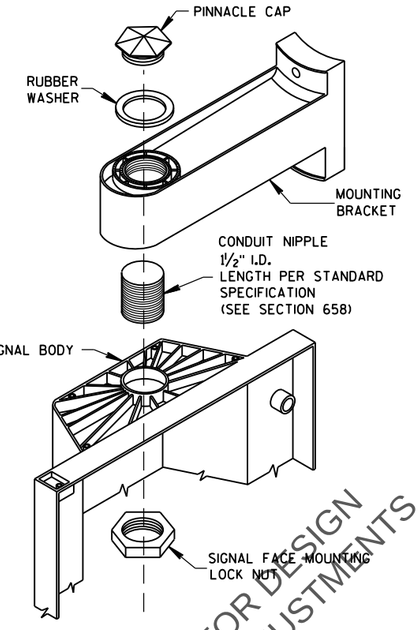
LENGTH AND LOCATION OF TRAFFIC SIGNAL STANDARDS SHALL BE AS SHOWN ON THE PLANS.

OPTICALLY PROGRAMMED SIGNAL FACES SHALL BE MASKED IN ACCORDANCE WITH MANUFACTURERS INSTRUCTIONS, AND UNDER THE DIRECTIONS OF THE REGION TRAFFIC ENGINEER.

FOLDING STOP SIGNS SHALL BE IN ACCORDANCE WITH THE MUTCD AND/OR THE LATEST WISCONSIN SUPPLEMENT. THE SIGNS SHALL BE SIZED AND LOCATED AS CALLED FOR IN IN THE PLANS.

PEDESTRIAN SIGNS SHALL BE AS DESIGNATED IN THE PLANS.

FURNISH AND INSTALL VENTILATED, CAST, METALLIC (ALUMINUM ALLOY) CAPS. FASTEN CAPS WITH ONE (1) ¼" X ¾" - 20 TPI STAINLESS STEEL, HEX HEAD BOLT.



SIGNAL FACE MOUNTING DETAIL
(BANDED)

APPROVED FOR DESIGN
OPPORTUNITY ADJUSTMENTS

TRAFFIC SIGNAL STANDARD POLY BRACKET MOUNTINGS (TYPICAL) 13 FT. OR 15 FT.	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED	
2/28/2013 DATE	/S/ Ahmet Demirbilek STATE ELECTI
FHWA	PRE_288

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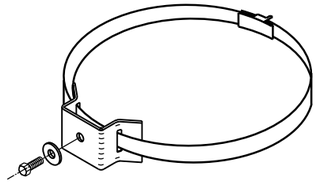
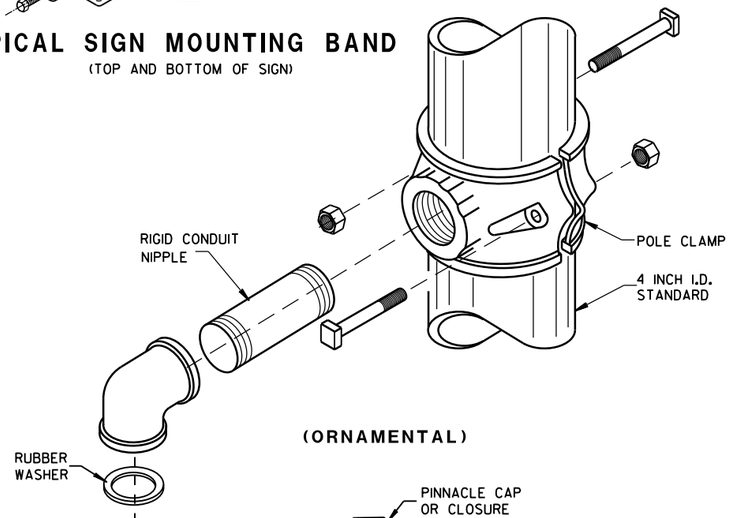


TYPICAL SIGN MOUNTING BAND
(TOP AND BOTTOM OF SIGN)



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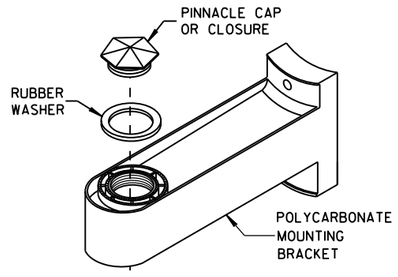

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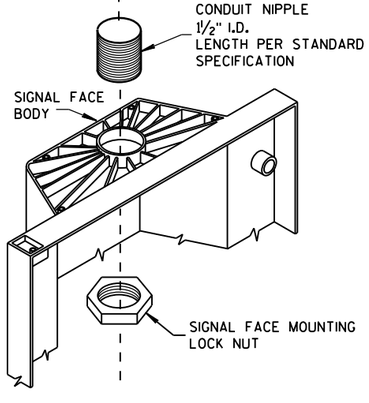
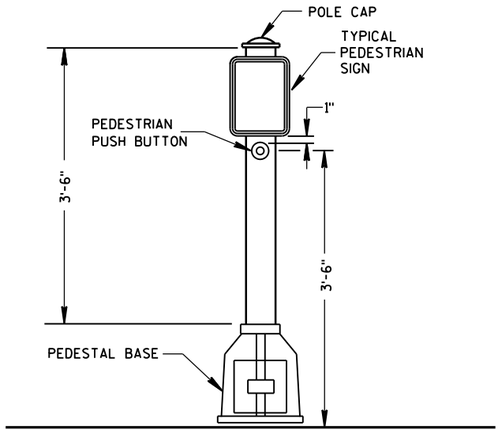


SIGNAL FACE MOUNTING DETAILS



PEDESTRIAN PUSH BUTTON TYPICAL MOUNTING

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

SEE THE SIGNAL PLAN FOR REQUIRED SIGNAL FACE SIZES.

LOCATIONS SHALL BE AS SHOWN ON THE PLANS.

ALL PEDESTAL BASES SHALL BE MOUNTED ON CONCRETE BASE - TYPE 1.

FOR APPROVED MOUNTING HARDWARE, SEE THE CONTRACT SPECIFICATIONS.

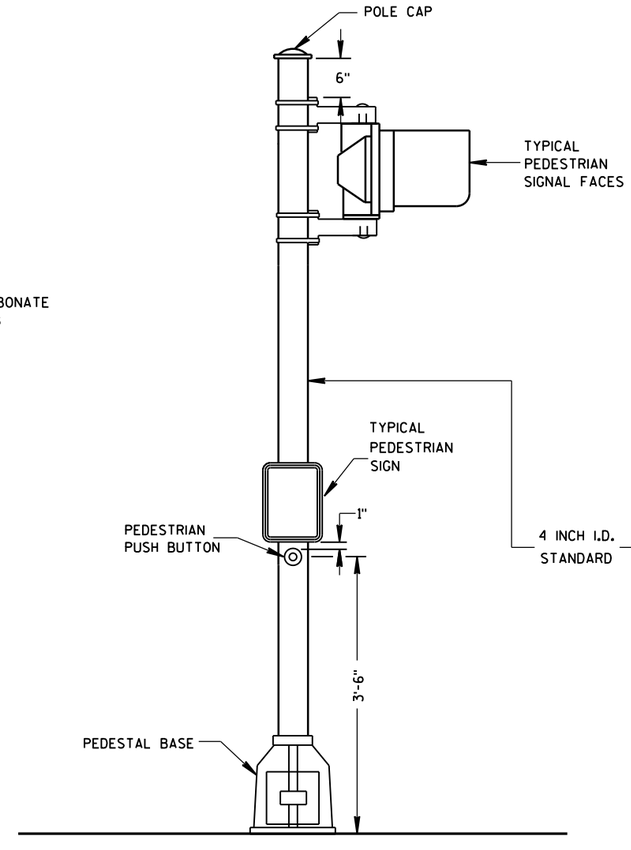
POLYCARBONATE SIGNAL FACE MOUNTING BRACKETS SHALL BE USED UNLESS ORNAMENTAL POLE CLAMPS ARE SPECIFIED.

LENGTH OF TRAFFIC STANDARDS SHALL BE AS SHOWN ON THE PLANS.

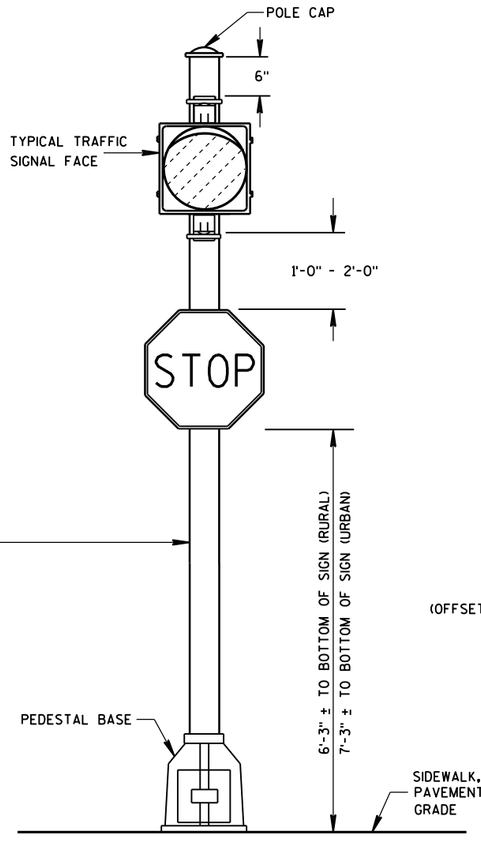
MOUNTINGS AND BRACKETS SHALL BE AS SHOWN ON THE PLANS OR DESCRIBED IN THE SPECIAL PROVISIONS (BY THE DISTRICT TRAFFIC ENGINEER).

PEDESTRIAN SIGNS SHALL BE AS DESIGNATED IN THE PLANS.

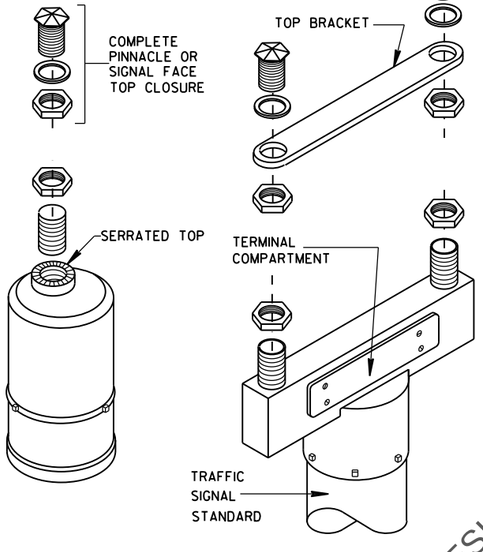
FURNISH AND INSTALL VENTILATED, CAST, METALLIC (ALUMINUM ALLOY) CAPS. FASTEN CAPS WITH ONE (1) 1¼" X ¾" - 20 TPI STAINLESS STEEL, HEX HEAD BOLT.



PEDESTRIAN FACE STANDARD-10 FT.
(WALK-DON'T WALK)



STANDARD FLASHER.
10 FOOT, 13 FOOT OR 15 FOOT AS REQUIRED



SINGLE
(OFFSET-SERRATED MOUNTING)

DOUBLE
(SERRATED MOUNTING)

SLIPFITTERS

APPROVED FOR DESIGN
OPPORTUNITY ADJUSTMENTS

TRAFFIC SIGNAL STANDARD
PEDESTRIAN AND FLASHER
TYPICAL MOUNTING DETAILS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

5/11/10
DATE

/S/ John Corbin
STATE ELECTRICAL

PRE_289

FHWA

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S.D.D. 9 E 7-5

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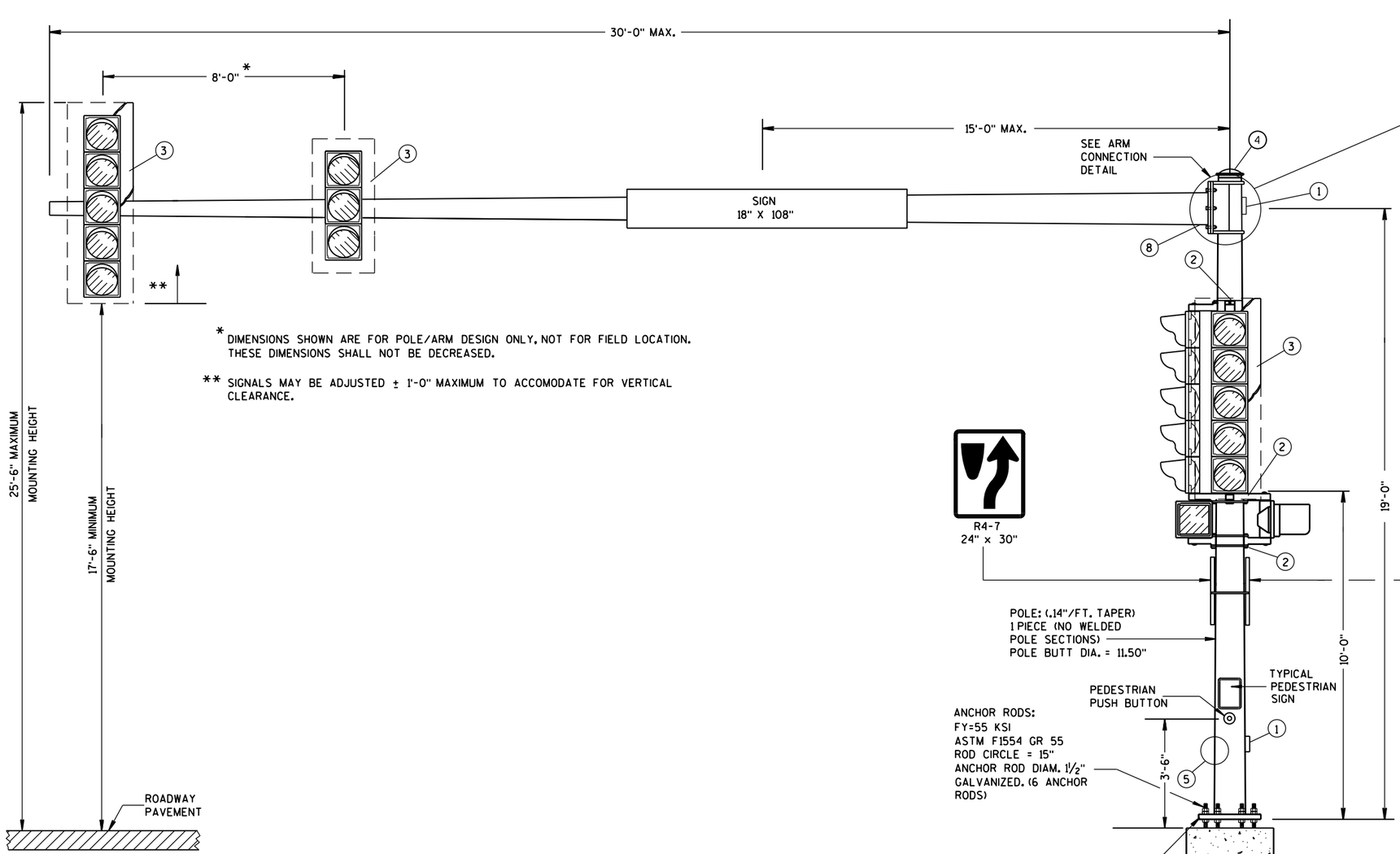
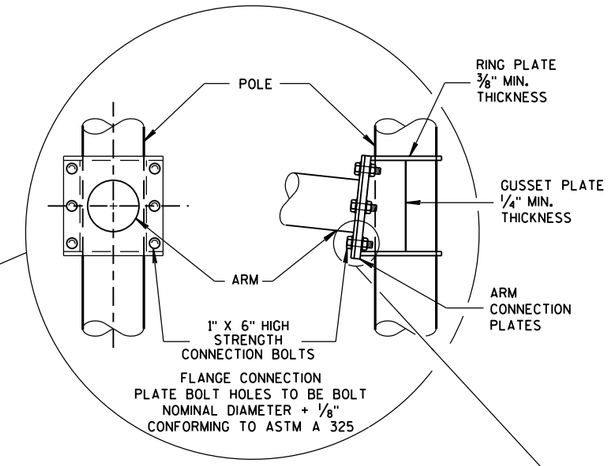
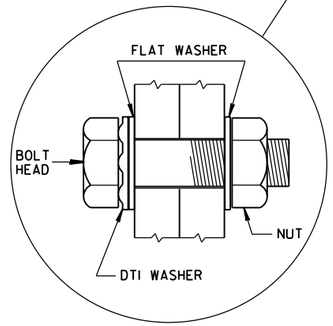


* DIMENSIONS SHOWN ARE FOR POLE/ARM DESIGN ONLY, NOT FOR FIELD LOCATION. THESE DIMENSIONS SHALL NOT BE DECREASED.

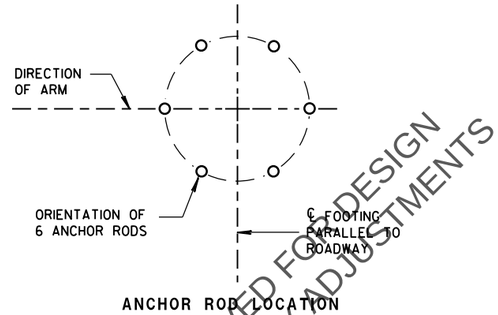
** SIGNALS MAY BE ADJUSTED ± 1'-0" MAXIMUM TO ACCOMODATE FOR VERTICAL CLEARANCE.



6 BOLT ARM CONNECTION DETAIL



RECOMMENDED BOLT ASSEMBLY DETAIL



ANCHOR ROD LOCATION

(MAXIMUM LOAD)

TYPE 9 POLE 15'- 30' MONOTUBE ARM

APPROVED FOR DESIGN OF UTILITY ADJUSTMENTS

TYPE 9 POLE 15' - 30' MONOTUBE ARM	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED June, 2015 DATE	/S/ Ahmet Demirbilek STATE ELECTI
FHWA	

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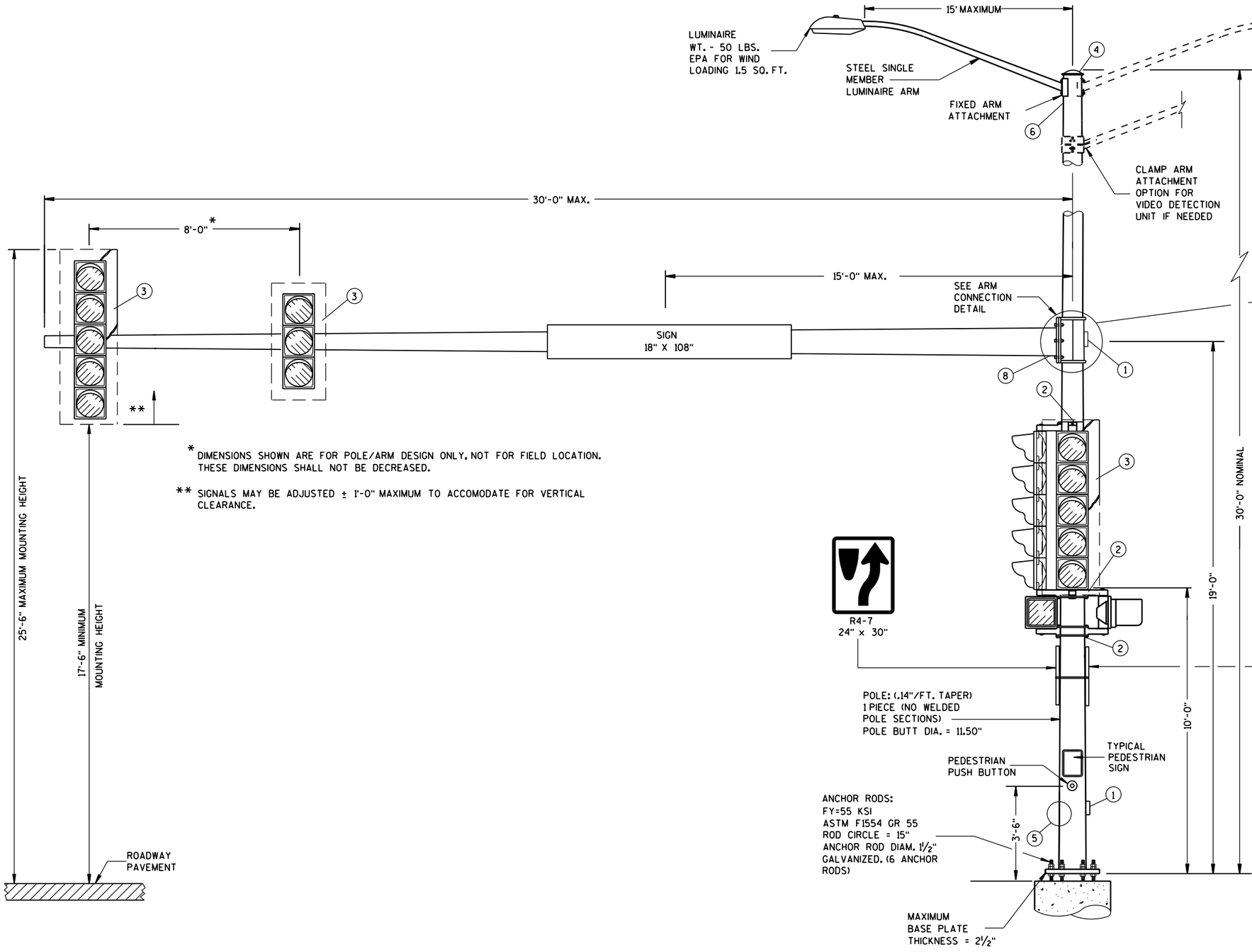

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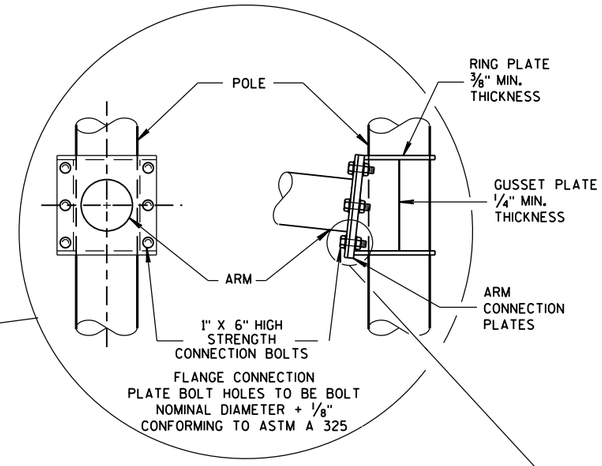
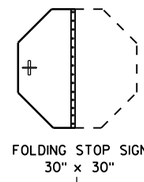
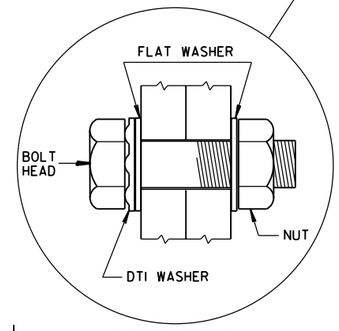
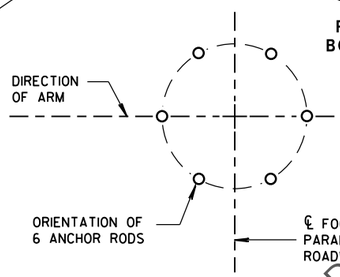


6 BOLT ARM CONNECTION DETAIL





RECOMMENDED
BOLT ASSEMBLY
DETAIL



ANCHOR ROD LOCATION

APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS

(MAXIMUM LOAD)

TYPE 10 POLE
15'- 30' MONOTUBE ARM

TYPE 10 POLE
15' - 30' MONOTUBE ARM

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June, 2015 — DATE
/S/ Ahmet Demirbilek — STATE ELECTRICAL
FHWA

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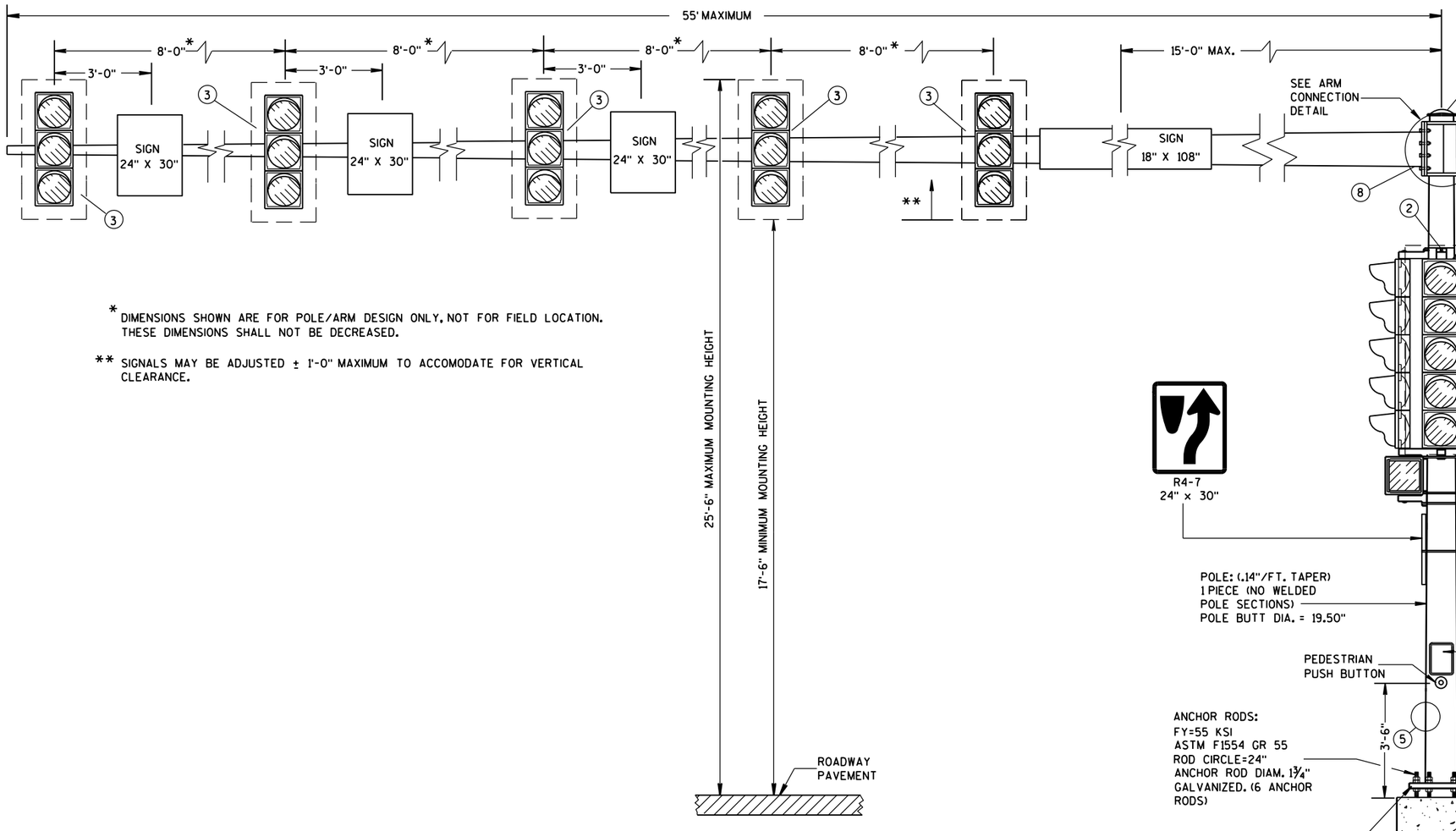

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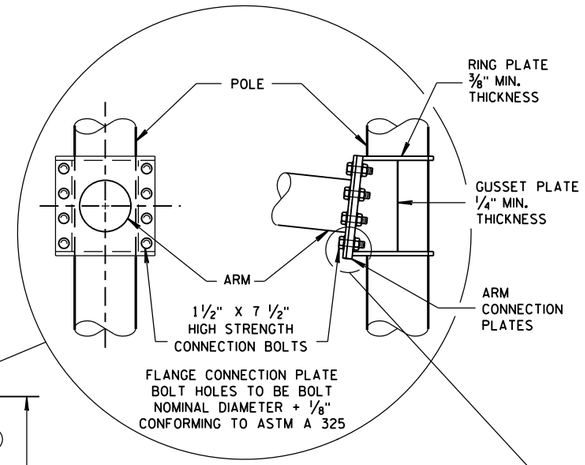
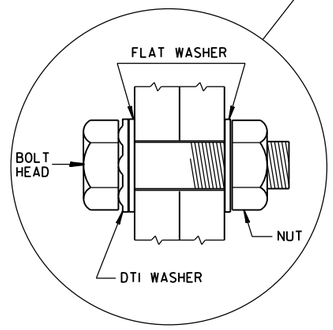
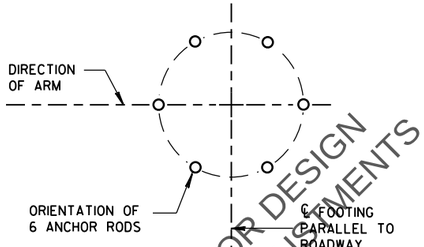


8 BOLT ARM CONNECTION DETAIL



RECOMMENDED BOLT ASSEMBLY DETAIL



ANCHOR ROD LOCATION

(MAXIMUM LOAD)

TYPE 12 POLE 35'- 55' MONOTUBE ARM

APPROVED FOR DESIGN OF UTILITY ADJUSTMENTS

TYPE 12 POLE 35' - 55' MONOTUBE ARM	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED	
June, 2015 DATE	/S/ Ahmet Demirbilek STATE ELECTI
FHWA	PRE_292

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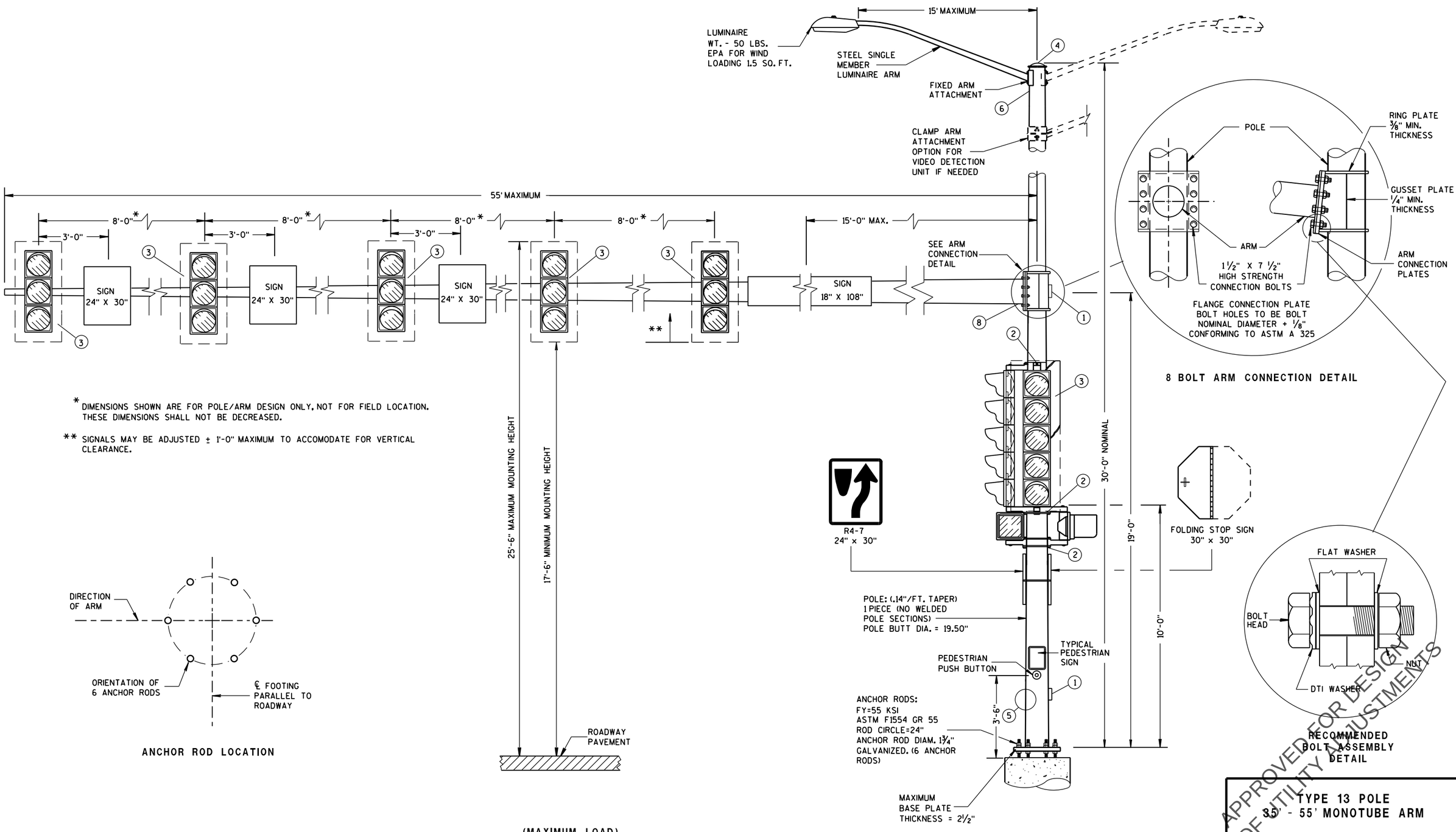
S.D.D. 9 E 8-7c



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** SIGNALS MAY BE ADJUSTED ± 1'-0" MAXIMUM TO ACCOMODATE FOR VERTICAL CLEARANCE.

8 BOLT ARM CONNECTION DETAIL

ANCHOR ROD LOCATION

RECOMMENDED
BOLT ASSEMBLY
DETAIL

(MAXIMUM LOAD)

TYPE 13 POLE 35'- 55' MONOTUBE ARM

TYPE 13 POLE
35' - 55' MONOTUBE ARM

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June. 2015
DATE
/S/ Ahmet Demirbilek
STATE ELECTI

FHWA

APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS
PRE_293

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S.D.D. 9 E 8-7d

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

POLE TYPES 9 AND 10 ARE FOR ARM LENGTHS 15-FOOT TO 30-FOOT.

POLE TYPES 12 AND 13 ARE FOR ARM LENGTHS 35-FOOT TO 55-FOOT.

MONOTUBE POLE AND ARM SHALL BE GALVANIZED STEEL.

RING-STIFFENED BUILT-UP BOX TYPE OF ATTACHMENT FOR TRAFFIC SIGNAL ARM.

ONE (1) PIECE POLE CONSTRUCTION (NO WELDED POLE SECTIONS).

STANDARD STRAIGHT ARM DESIGN (3 % ± RISE).

SECTION 657, POLES OF THE STANDARD SPECIFICATIONS SHALL APPLY TO THIS DRAWING.

PROVIDE WIREWAY THRU POLE WALL AND ARM CONNECTION PLATES. PROVIDE ROUND, SMOOTH INSIDE SURFACE.

MANUFACTURER'S SUBMITTED POLE DESIGNS AND DRAWINGS SHALL BE SIGNED AND STAMPED BY A REGISTERED PROFESSIONAL ENGINEER AND CERTIFIED AS BEING IN COMPLIANCE WITH THE AASHTO 2013 6TH EDITION AND ALL PERTINENT WISDOT SPECIFICATIONS AND DRAWINGS FOR TRAFFIC AND LIGHTING STRUCTURES AND AS FOLLOWS:

- CATEGORY III FATIGUE LOADS OF GALLOPING, TRUCK GUSTS (AT 45 MPH VEHICLE VELOCITY) AND NATURAL WIND GUSTS FOR DESIGN OF TYPE 9 AND TYPE 10 STRUCTURES.
- CATEGORY II FATIGUE LOADS OF GALLOPING, TRUCK GUSTS (AT 45 MPH VEHICLE VELOCITY) AND NATURAL WIND GUSTS FOR DESIGN OF TYPE 12 AND TYPE 13 STRUCTURES.
- 90 MPH (3-SECOND GUST) WIND SPEED AND A 50 YEAR DESIGN LIFE.

SECURE THE OPENING BELOW THE BASE PLATE WITH STAINLESS STEEL OR GALVANIZED STEEL MESH AND SECURE THE MESH WITH ¾" S.S. BANDING AROUND THE LEVELING NUTS.

INDENT PRINT (NOMINAL ½" HIGH) THE POLE LENGTH AND FIRST TWO LETTERS OF THE MANUFACTURERS NAME ON TWO SIDES OF THE BASE PLATE 180 DEGREES APART, BEFORE GALVANIZING. THE ARM SHALL BE IDENTIFIED WITH THE SAME INFORMATION BY INDENT PRINT.

SIGNAL FACE SHALL BE MOUNTED 6 INCHES (NOMINAL) FROM THE END OF THE MONOTUBE ARM OR AS SHOWN ON THE PLAN CONSTRUCTION DETAIL OR AS DIRECTED BY THE PROJECT ENGINEER/ELECTRICAL OPERATIONS PERSONNEL. MOUNT ALL LIKE HEADS AT SAME ELEVATION.

SIGN MOUNTING BRACKETS SHALL BE FURNISHED IN ACCORDANCE WITH SECTION 637 OF THE STANDARD SPECIFICATIONS FOR HIGHWAY AND STRUCTURE CONSTRUCTION.

(1) DESIGN FOR MAXIMUM ALLOWABLE HANDHOLE WITH COVER ASSEMBLY WITH TWO ¼" X ¾" - 20 TPI STAINLESS STEEL HEX HEAD BOLTS.

(2) SIGNAL MOUNTING BRACKETS FOR POLE MOUNTING, MOUNT WITH CAP SCREW AND BANDING, (SEE SPECIFICATIONS SEC. 658).

(3) SECURELY MOUNT BACKPLATES, PROJECTING 5" BEYOND ALL SIDES OF THE SIGNAL FACE HOUSING, PER MANUFACTURERS RECOMMENDATIONS.

(4) THE TOP OF THE POLE SHAFT AND THE END OF THE MONOTUBE ARM SHALL BE EQUIPPED WITH A REMOVABLE, VENTILATED CAP HELD SECURELY IN PLACE WITH SET SCREWS.

(5) FACTORY-WELDED BRACKET FOR GROUNDING LUG, OPPOSITE HANDHOLE, (LUG AND HARDWARE PAID UNDER SEPARATE ITEM). PROVIDE HOLE IN BRACKET FOR ¼" X ¾" - 20 TPI STAINLESS STEEL HEX HEAD BOLT.

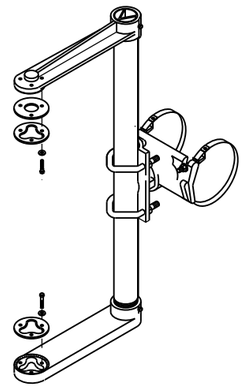
(6) FACTORY-WELDED "J" HOOK FOR STRAIN RELIEF FOR POLE LUMINAIRE WIRE.

(7) INSTALL STRUCTURAL IDENTIFICATION PLAQUES.

STRUCTURAL IDENTIFICATION PLAQUES SHALL BE PLACED ON THE POLES IN THE SAME DIRECTION AS THE ARM.

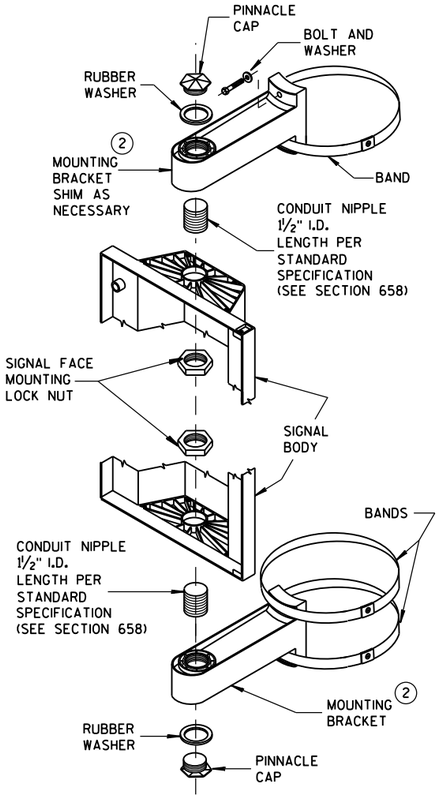
MOUNTING HEIGHT SHALL BE 6'-0" ABOVE THE CURB OR SHOULDER. ADJUST IF IT IS KNOWN THAT REQUIRED TRAFFIC SIGNS WILL BE OBSTRUCTED.

(8) FACTORY DRILLED ½" DRAIN HOLE 2" FROM FLANGE CONNECTION PLATE.

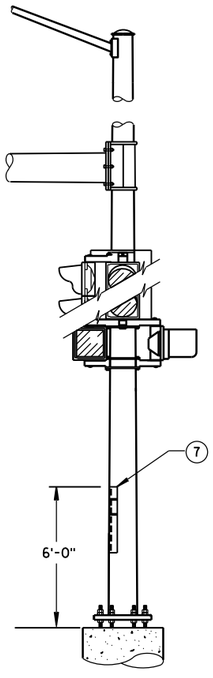


SIGNAL FACE MOUNTING BRACKET DETAIL FOR MONOTUBE ARM

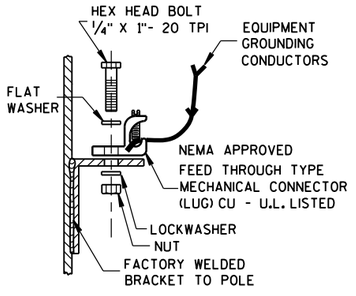
(MOUNT PER MANUFACTURER'S RECOMMENDATION)



SIGNAL FACE VERTICAL MOUNTING DETAIL

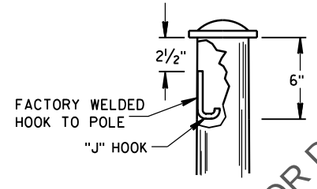


STRUCTURAL IDENTIFICATION PLAQUE PLACEMENT



TYPICAL GROUNDING CONNECTIONS (5)

NUT, BOLT AND WASHERS SHALL BE STAINLESS STEEL



"J" HOOK WIRE SUPPORT (6)

APPROVED FOR DESIGN QUANTITY ADJUSTMENTS

GENERAL NOTES AND HARDWARE DETAILS FOR TYPE 9, 10, 12 & 13 POLES WITH MONOTUBE ARMS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June, 2015 — DATE
/S/ Ahmet Demirbilek — STATE ELECTRICAL ENGINEER
FHWA

PRE_294

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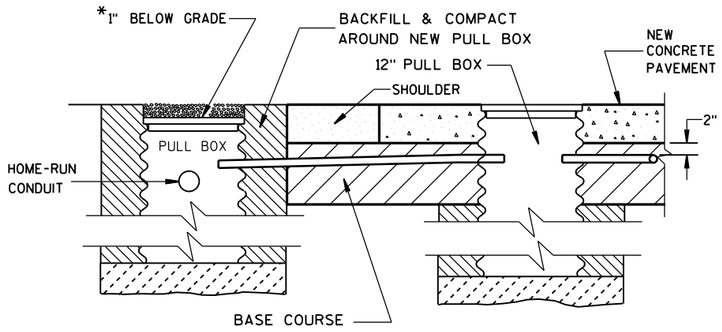
S.D.D. 9 E 8-7e



SECTION A-A

NO CURB & GUTTER

LOOP DETECTOR INSTALLATION DETAILS

*RECESS PULL BOX SO THAT THE COVER IS 3" BELOW GRADE IN SHOULDER AREAS OF CRUSHED AGGREGATE. BACKFILL OVER COVER WITH THE CRUSHED AGGREGATE TO BRING THE AREA TO GRADE LEVEL.

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

LOOP SIZE, LOCATION, NUMBER OF TURNS OF WIRE AND ASSOCIATED SIGNAL PHASE SHALL BE AS SHOWN ON THE PLANS.

PITCH LEAD OUT CONDUIT TO DRAIN TO ROADSIDE PULL BOX.

SPLICES SHALL BE INSTALLED BY USING CAST IN PLACE SPLICE KITS LISTED ON THE DEPARTMENTS APPROVED PRODUCTS LIST OR AN ENGINEER APPROVED EQUAL. NON-INSULATED BUTT SPLICES TO FIT #12 AWG STRANDED WIRE SHALL BE USED. SPLICES SHALL BE SOLDERED AND INSULATED FROM EACH OTHER AS PER INSTRUCTIONS INCLUDED IN THE SPLICE KIT.

MEASURE GROUND RESISTANCE USING A MEGGER. REPLACE LOOP WIRE NOT ATTAINING A READING OF INFINITY TO GROUND.

AFTER SPLICING THE LOOP WIRE TO THE LOOP LEAD-IN CABLE, THE CONTRACTOR SHALL MEASURE INDUCTANCE, GROUND RESISTANCE AND WIRE RESISTANCE AT THE CABINET END OF THE LEAD-IN CABLE AND FURNISH A COPY OF THE READINGS TO THE PROJECT ENGINEER FOR EVALUATION.

LOOP DETECTOR LEADS SHALL BE IDENTIFIED WITH THEIR ASSOCIATED LOOP BY USE OF WATERPROOF TAGS AT BOTH ENDS OF THE CABLE. A LISTING OF THE CABLE IDENTIFICATION PER INDIVIDUAL LOOP LEAD-IN SHALL BE PLACED IN THE CABINET.

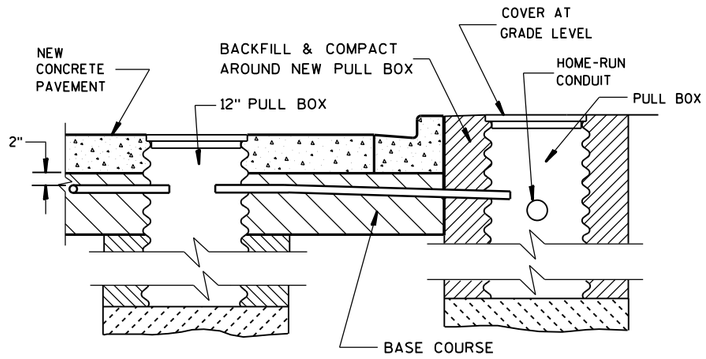
THE #12 AWG LOOP WIRE FROM THE LOOP TO THE ROADSIDE PULL BOX, SHALL BE HAND TWISTED AT LEAST 3 TWISTS PER FOOT BEFORE INSTALLATION.

SPLICES OF LOOP WIRE TO LEAD-IN CABLE SHALL BE MADE ONLY IN PULL BOXES AT THE SIDE OF THE ROAD.

THE #12 AWG LOOP WIRE SHALL BE INSTALLED FROM THE ROADSIDE PULL BOX, THROUGH THE LOOP DUCT, BACK TO THE ROADSIDE PULL BOX, AND BE INSTALLED IN ONE, NON-SPLICED, CONTINUOUS LENGTH.

PROTECTION OF THE CONDUIT, CONDULET AND PULL BOX SHALL BE REQUIRED AFTER INSTALLATION AND BEFORE THE NEW CONCRETE PAVEMENT IS PLACED.

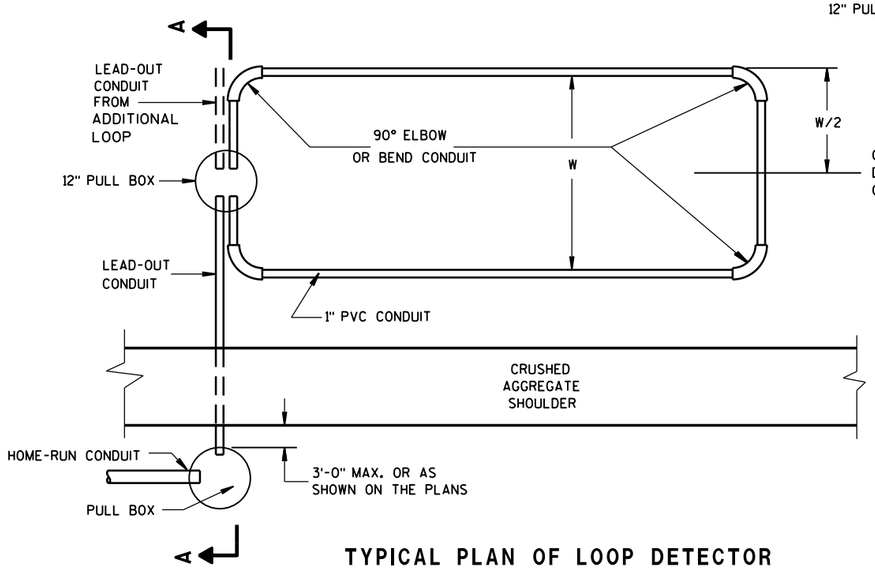
12" PULL BOXES IN PAVEMENT SHALL BE CORRUGATED STEEL ONLY.



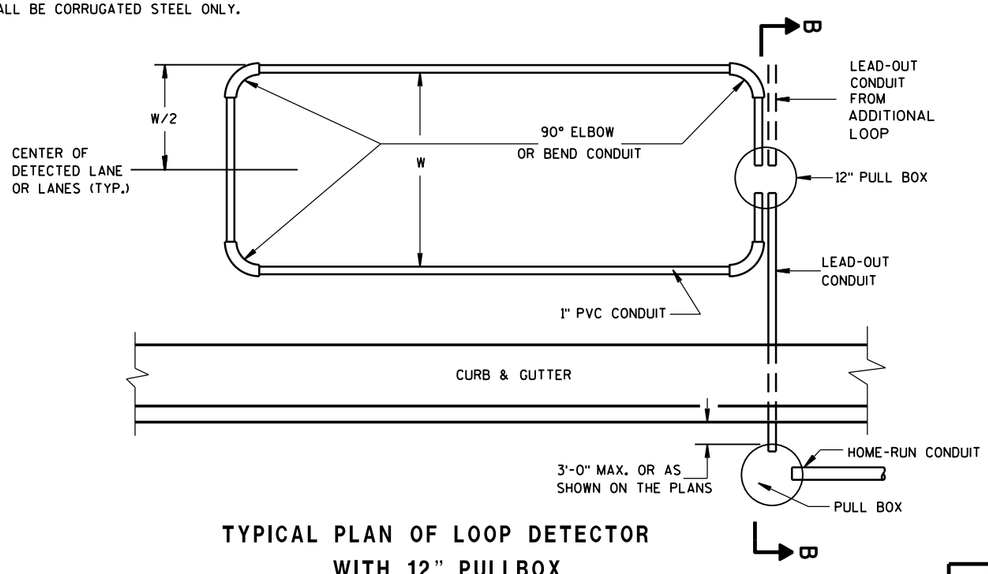
SECTION B-B

CURB & GUTTER

LOOP DETECTOR INSTALLATION DETAILS



TYPICAL PLAN OF LOOP DETECTOR WITH 12" PULLBOX



TYPICAL PLAN OF LOOP DETECTOR WITH 12" PULLBOX

APPROVED FOR DESIGN OPERABILITY ADJUSTMENTS

LOOP DETECTOR PLACED IN CRUSHED AGGREGATE BASE (NEW CONCRETE PAVEMENT)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

Sept. 2014
DATE

/S/ Ahmet Demirbilek
STATE ELECTI

FHWA

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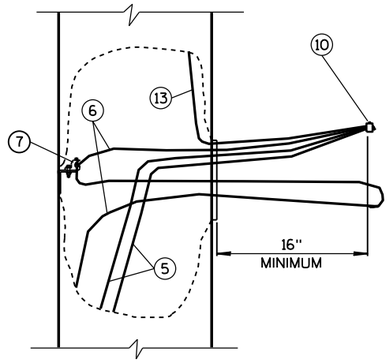
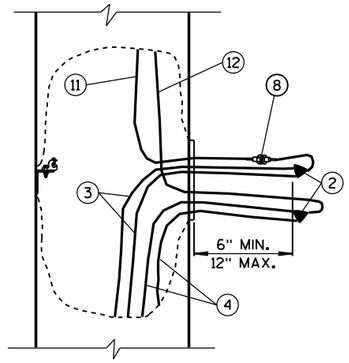
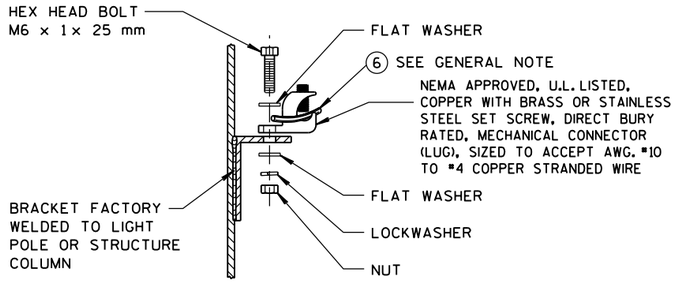


EQUIPMENT GROUNDING CONDUCTOR SLACK



UNGROUNDED CONDUCTOR SLACK (AND GROUNDED NEUTRAL SLACK IN GROUNDED NEUTRAL SYSTEM)

TYPICAL CONDUCTOR SLACK AT HANDHOLES



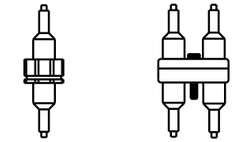
HANDHOLE GROUNDING LUG

(NUT, BOLT, WASHERS, AND LOCK WASHERS SHALL BE STAINLESS STEEL)

CONDUCTOR COLOR CODES

KEY	CONDUCTOR	COLOR
3	UNGROUNDED LINE WIRE	*
4	GROUNDED LINE WIRE	WHITE
5	SYSTEM GROUNDING LINE WIRE	GREEN
6	GROUNDING ELECTRODE CONDUCTOR	BARE
11	UNGROUNDED POLE WIRE	*
12	GROUNDED POLE WIRE	WHITE
13	EQUIPMENT GROUNDING POLE WIRE	GREEN

* FOLLOW COLOR CODING SHOWN IN THE PLANS. WHERE THE PLANS DO NOT SHOW COLOR CODING, USE BLACK FOR SINGLE LUMINAIRE POLES; BLACK AND RED FOR TWIN LUMINAIRE POLES.



1 POLE (1P) 2 POLE (2P)

FUSE ASSEMBLIES

GENERAL NOTES

DETAILS OF CONSTRUCTION AND WORKMANSHIP NOT SHOWN IN THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

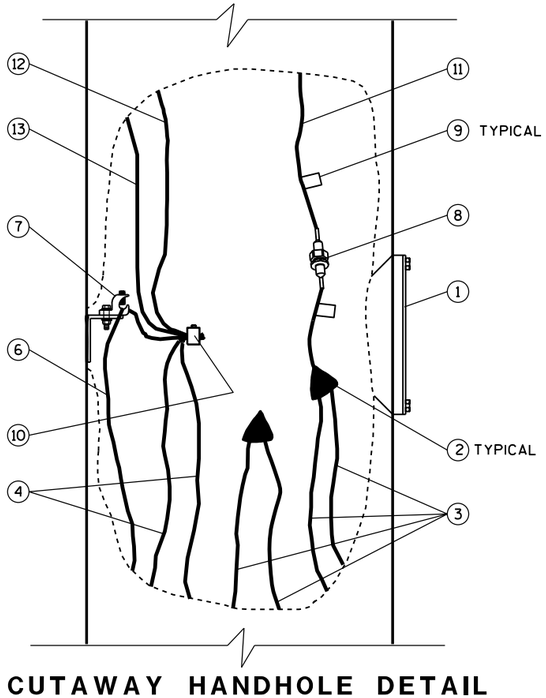
USE THIS DETAIL IN CONJUNCTION WITH THE ELECTRICAL DETAILS FOR THE APPLICATION, WHICH MAY BE A LIGHT POLE, SIGN BRIDGE, ETC.

THE GROUNDING ELECTRODE CONDUCTOR SHALL BE CONTINUOUS WITHOUT SPLICES FROM THE GROUNDING ELECTRODE THROUGH THE HANDHOLE GROUNDING LUG TO THE CONNECTOR.

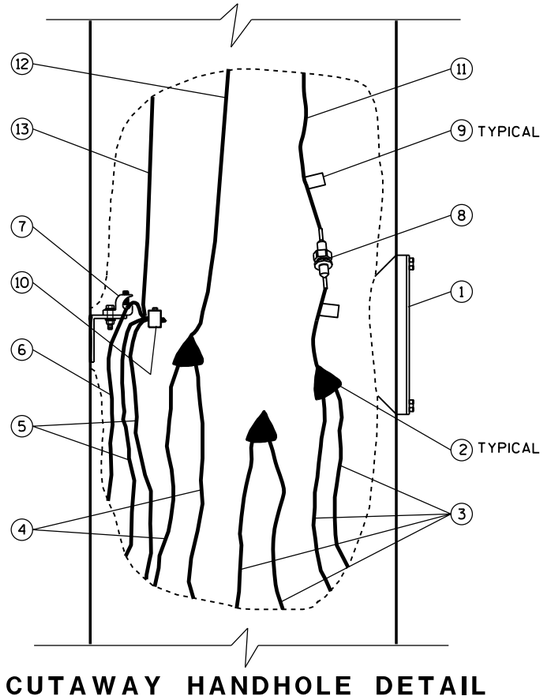
THREE POLE WIRES ARE SHOWN FOR A SINGLE LUMINAIRE LIGHT POLE. THREE ADDITIONAL POLE WIRES REQUIRED FOR TWIN LUMINAIRE LIGHT POLES ARE OMITTED FROM THE DRAWING FOR CLARITY. IN THE TWIN POLE CASE, BUNDLE EACH SET OF THREE WIRES WITH A NYLON CABLE TIE.

IN 3-PHASE SYSTEMS, THERE WILL BE ONE MORE UNGROUNDED LINE WIRE, WHICH IS OMITTED FROM THE DRAWING FOR CLARITY.

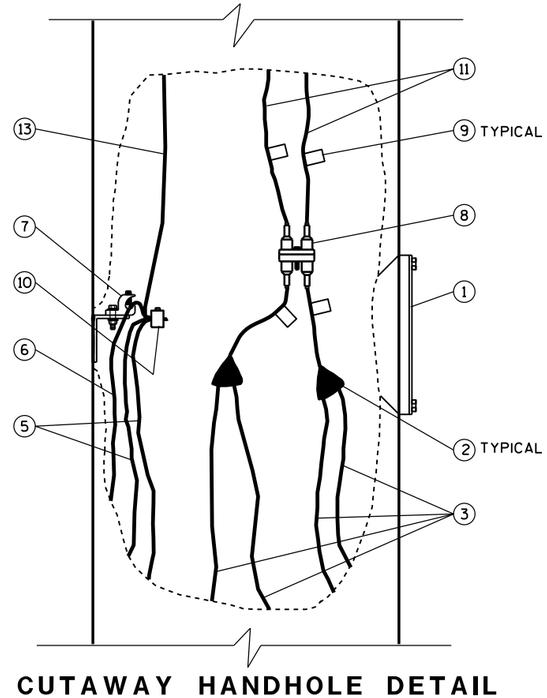
CIRCUIT TAGS SHALL BE INSTALLED ONLY WHERE REQUIRED IN THE SPECIAL PROVISIONS.



CUTAWAY HANDHOLE DETAIL
GROUNDED NEUTRAL SYSTEMS
1-Φ



CUTAWAY HANDHOLE DETAIL
ISOLATED NEUTRAL SYSTEMS
1-Φ SHOWN; 3-Φ WYE SIMILAR
(SEE GENERAL NOTE)



CUTAWAY HANDHOLE DETAIL
PHASE-TO-PHASE SYSTEMS
1-Φ SHOWN; 3-Φ DELTA SIMILAR
(SEE GENERAL NOTE)

NOTE: REQUIRED CONDUCTOR SLACK NOT SHOWN ON "CUTAWAY HAND HOLE" DETAILS FOR DRAWING CLARITY, SEE "TYPICAL CONDUCTOR SLACK AT HANDHOLES" ON THIS SHEET.

1. HANDHOLE AND COVER
2. INSULATED SPLICE
3. UNGROUNDED LINE WIRE
4. GROUNDED LINE WIRE
5. SYSTEM GROUNDING LINE WIRE
6. GROUNDING ELECTRODE CONDUCTOR
7. HANDHOLE GROUNDING LUG
8. FUSE ASSEMBLY, 1P OR 2P AS REQUIRED
9. CIRCUIT TAG (SEE GENERAL NOTE)
10. REVERSIBLE PRESSURE OR COMPRESSION GROUNDING CONNECTOR (NOT INSULATED)
11. UNGROUNDED POLE WIRE
12. GROUNDED POLE WIRE
13. EQUIPMENT GROUNDING POLE WIRE

APPROVED FOR DESIGN OF UTILITY ADJUSTMENTS

ELECTRICAL HANDHOLE WIRING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept. 2014 — DATE
/S/ Ahmet Demirbilek — STATE ELECTRICAL ENGINEER
FHWA

PRE_296

6
S.D.D. 10 A 1-3

GENERAL NOTES

DETAILS OF CONSTRUCTION AND WORKMANSHIP NOT SHOWN IN THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

USE THIS DETAIL IN CONJUNCTION WITH THE DETAIL FOR ELECTRICAL HANDHOLE WIRING.

THE GROUNDING ELECTRODE CONDUCTOR SHALL BE CONTINUOUS WITHOUT SPLICES FROM THE GROUNDING ELECTRODE THROUGH THE HANDHOLE GROUNDING LUG TO THE CONNECTOR.

WIRING FOR SINGLE LUMINAIRE POLES IS SHOWN WITH SOLID LINES. WIRING FOR THE SECOND LUMINAIRE OF TWIN LUMINAIRE POLES IS SHOWN WITH DOTTED LINES.

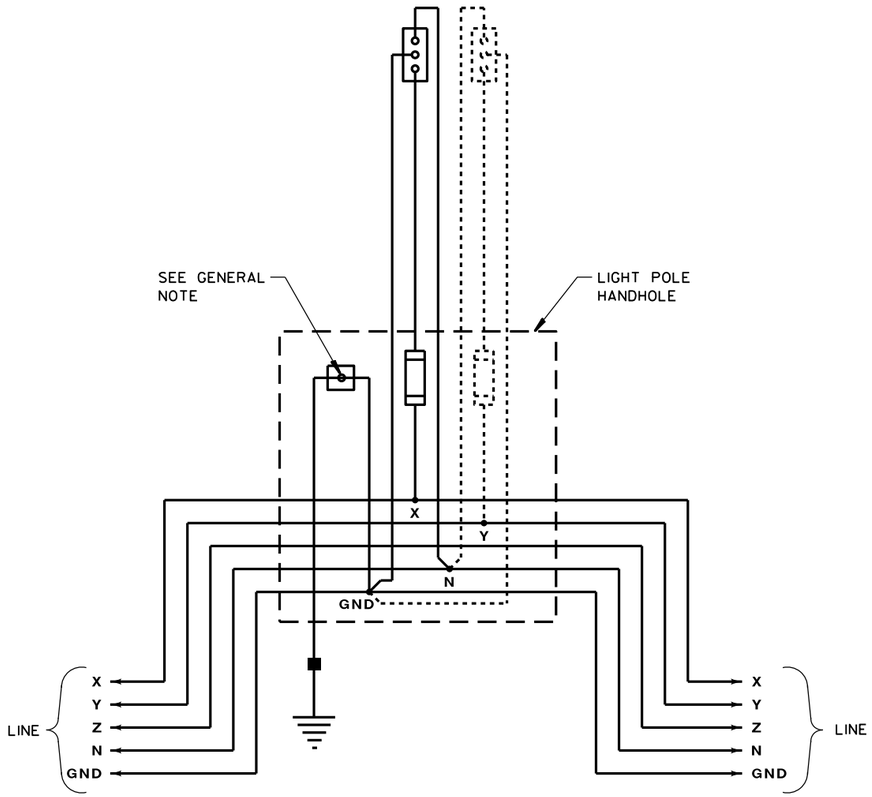
THE PLANS WILL SHOW WHICH CIRCUIT LEG(S) ARE CONNECTED TO EACH INSTALLATION.

HANDHOLE FUSE SCHEDULES

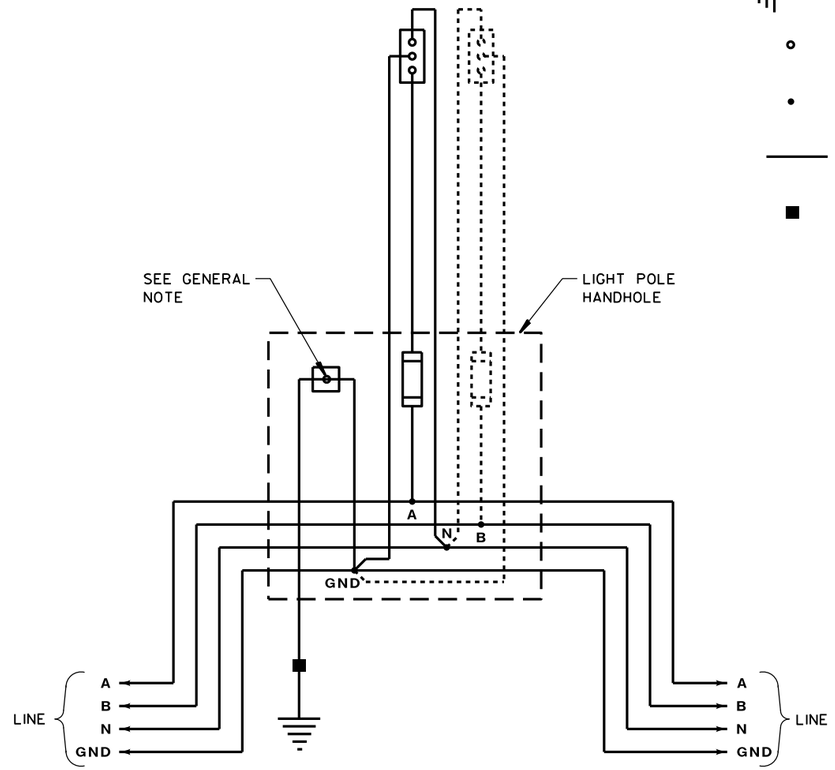
LINE VOLTAGE ϕ-GROUND	BALLAST WATTAGE 70-200 W	250-400 W
120 VAC	5 A	10 A
240 VAC	5 A	5 A
277 VAC	5 A	5 A
480 VAC	3 A	5 A

LEGEND

A,B,X,Y,Z	UNGROUNDED CIRCUIT CONDUCTORS
N	GROUNDED CIRCUIT CONDUCTORS
GND	EQUIPMENT GROUNDING CONDUCTOR
P	POLE (ELECTRICAL CIRCUIT)
ϕ	PHASE (ELECTRICAL CURRENT)
	HANDHOLE GROUND LUG
	SINGLE-POLE (1P) FUSE ASSEMBLY
	TWO-POLE (2P) FUSE ASSEMBLY
	UNFUSED LUMINAIRE
	EQUIPMENT GROUNDING ELECTRODE
	TERMINAL
	SPLICE
	CONDUCTOR
	EXOTHERMIC WELD



TYPICAL WIRING DIAGRAM
ISOLATED NEUTRAL SYSTEM
3-ϕ 208Y/120VAC OR 480Y/277VAC 4 WIRE



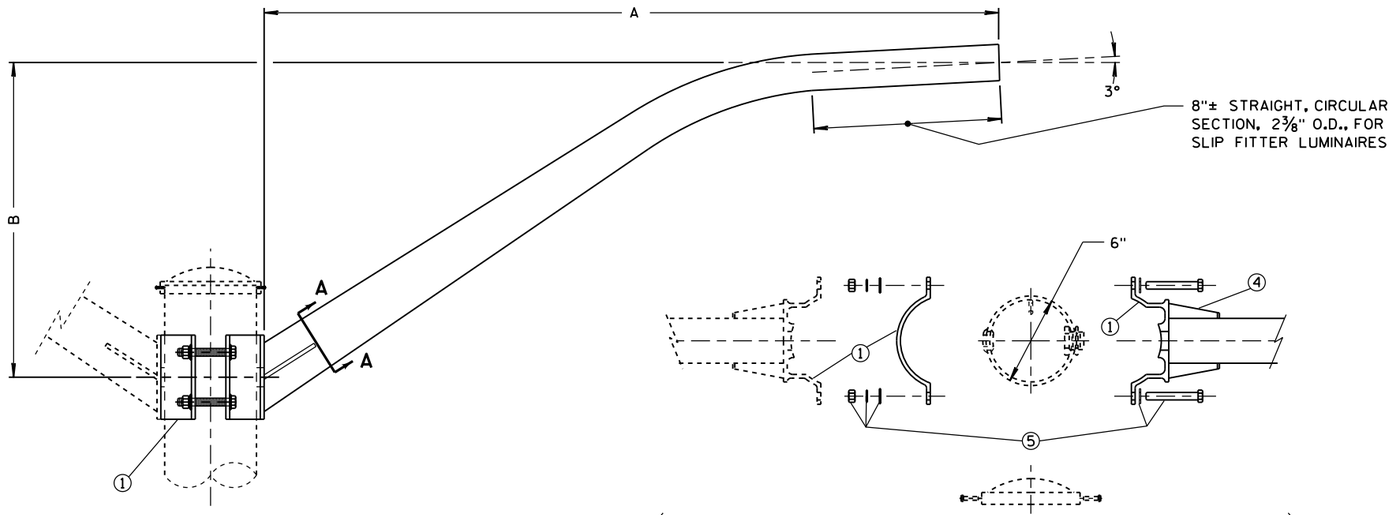
TYPICAL WIRING DIAGRAM
ISOLATED NEUTRAL SYSTEM
1-ϕ 120/240VAC OR 240/480VAC 3 WIRE

APPROVED FOR DESIGN ONLY
QUANTITY ADJUSTMENTS

ELECTRICAL DETAILS
GROUND MOUNT LIGHT POLES
ISOLATED NEUTRAL SYSTEM

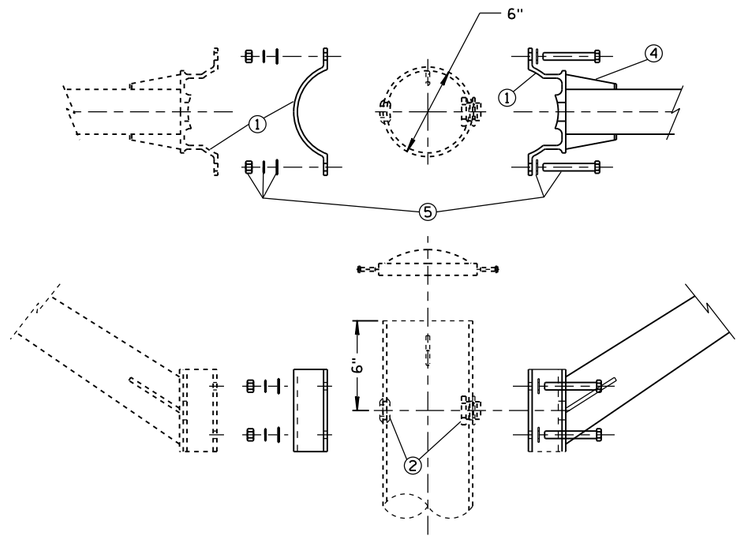
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
10/25/2010 DATE
/S/ John Corbin
STATE ELECTRICAL
PRE_297
FHWA
HWYS



LUMINAIRE ARMS, SINGLE MEMBER, 6-INCH CLAMP - FOR POLES, TYPE 7, A OR E

VARIOUS LENGTHS (SEE TABLE)



CLAMP ASSEMBLY

SINGLE MEMBER CLAMP SHOWN

TYPE	DIM. A NOMINAL ARM LENGTH (FT)	DIM. B APPROX. RISE (FT)
SINGLE MEMBER	4.0	2.0
SINGLE MEMBER	8.0	3.0
SINGLE MEMBER	10.0	3.0
SINGLE MEMBER	15.0	3.0

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS, AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

ARMS AND CLAMP EXTRUSIONS SHALL BE CONSTRUCTED OF NATURAL FINISH 6063-T6 ALUMINUM.

HEAT TREATMENT OF WELDS IN STRUCTURAL AREAS IS REQUIRED.

ALL THREADED FASTENER COMPONENTS SHALL BE STAINLESS STEEL. NUTS SHALL BE HEX NUTS. BOLTS SHALL BE HEX HEAD. ALL THREADED SURFACES SHALL BE COATED WITH ANTI-SEIZE COMPOUND PRIOR TO INSTALLATION.

LUMINAIRE LOADING FOR DESIGN CALCULATION SHALL BE 50 LBS. IN WEIGHT AND 1.5 SQ. FT. FOR E.P.A..

① CLAMPS SHALL BE EXTRUDED ALUMINUM.

② RACE WAY: 1 3/8" FIELD DRILLED HOLE WITH 1" CHASE NIPPLE AND NUT (OR NEOPRENE GROMMET) PER EACH REQUIRED LUMINAIRE ARM. PROVIDE 1 1/2" HOLE IN CLAMP EXTRUSION TO CONTINUE RACEWAY.

③ STIFFENER

④ GUSSETS REQUIRED.

⑤ CLAMP BOLT ASSEMBLY (BOLT - 1/2"-13 UNC, 2 EACH - FLAT WASHER, LOCK WASHER, NUT) - 4 EACH PER CLAMP.

APPROVED FOR DESIGN OF UTILITY ADJUSTMENTS

LUMINAIRE ARMS, SINGLE MEMBER 6-INCH CLAMP

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept. 2014 — DATE
/S/ Ahmet Demirbilek — STATE ELECTRICAL ENGINEER
FHWA

PRE_298

6

S.D.D. 10 A 18-5a

6

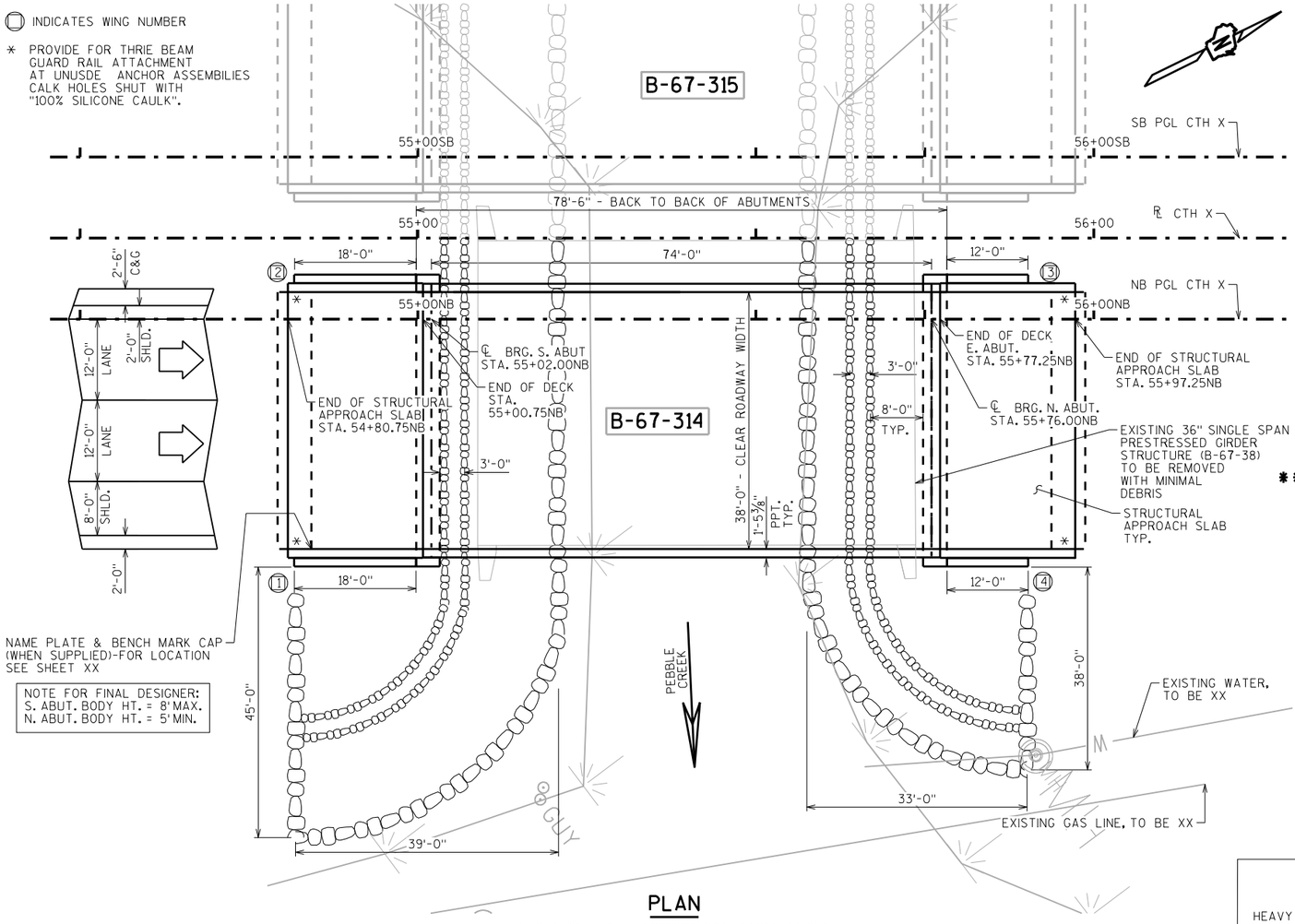
S.D.D. 10 A 18-5a

STATE PROJECT NUMBER

2788-00-71

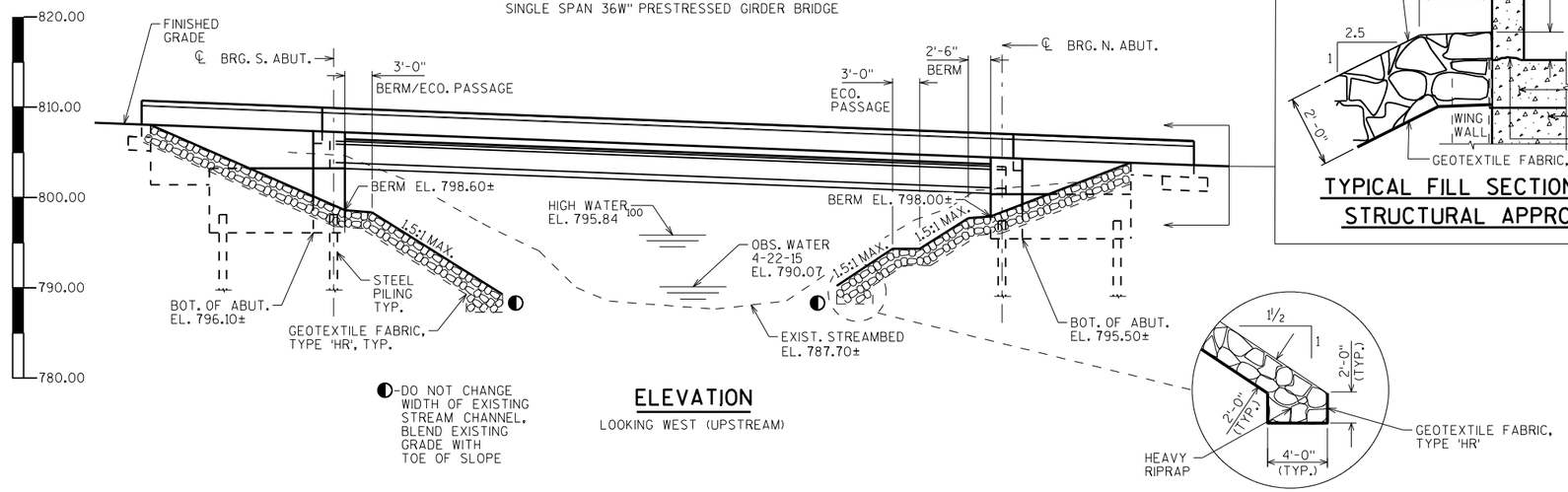
(1) INDICATES WING NUMBER

* PROVIDE FOR THRIE BEAM GUARD RAIL ATTACHMENT AT UNUSDE ANCHOR ASSEMBLIES CALK HOLES SHUT WITH "100% SILICONE CAULK".



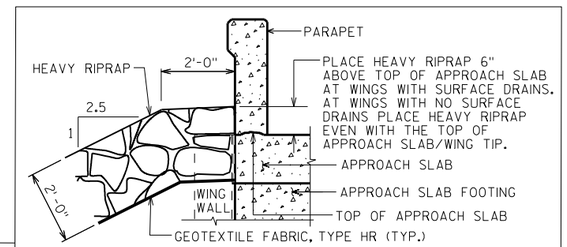
PLAN

SINGLE SPAN 36W" PRESTRESSED GIRDER BRIDGE



ELEVATION

LOOKING WEST (UPSTREAM)



TYPICAL FILL SECTION AT END OF STRUCTURAL APPROACH SLABS

DESIGN DATA

LIVE LOAD:

DESIGN LOADING; HL-93
INVENTORY RATING FACTOR: RF=
OPERATING RATING FACTOR: RF=
WISCONSIN STANDARD PERMIT VEHICLE (WIS.-SPV): (KIPS)

STRUCTURE IS DESIGNED FOR A FUTURE WEARING SURFACE OF 20 POUNDS PER SQUARE FOOT.

MATERIAL PROPERTIES:

CONCRETE MASONRY DECK — f'c = 4,000 P.S.I. ALL OTHER — f'c = 3,500 P.S.I.

BAR STEEL REINFORCEMENT, GRADE 60 — fy = 60,000 P.S.I.

36" PRESTRESSED GIRDERS, CONCRETE MASONRY — f'c = 8,000 P.S.I.
STRANDS- 0.6" DIA. WITH ULTIMATE TENSILE STRENGTH OF 270,000 P.S.I.

FOUNDATION DATA

ABUTMENTS TO BE SUPPORTED ON PILING
DRIVEN TO A REQUIRED DRIVING RESISTANCE OF TONS ** PER PILE
AS DETERMINED BY THE MODIFIED GATES DYNAMIC FORMULA.
ESTIMATED _____ LONG.

** THE FACTORED AXIAL RESISTANCE OF PILES IN COMPRESSION USED FOR DESIGN IS THE REQUIRED DRIVING RESISTANCE MULTIPLIED BY A RESISTANCE FACTOR OF 0.5 USING MODIFIED GATES TO DETERMINE DRIVEN PILE CAPACITY.

LIST OF DRAWINGS

1. GENERAL PLAN
2. CROSS SECTION & QUANTITIES
3. SUBSURFACE EXPLORATION
4.
5.
6.
7.
8.
9.
10.
11.
12.
13.
14.
15.

TRAFFIC VOLUME

CTH X
A.A.D.T.=18,000 (2037)
R.D.S.=50 M.P.H.

HYDRAULIC DATA

100 YEAR FREQUENCY

Q_{100} =1,710 C.F.S.
VEL. =8.15 F.P.S.
HW.= EL. 795.84
WATERWAY AREA= 209.81 SQ. FT.
DRAINAGE AREA= 17.80 SQ. MI.
ROAD OVERTOPPING = NA
SCOUR CRITICAL CODE = 8

2 YEAR FREQUENCY

Q_2 =764 C.F.S.
$HW._2$ = EL. 793.11

PRELIMINARY PLAN

STRUCTURE DESIGN CONTACTS:

MAX KULICK (608) 261-6108
AARON BONK (608) 261-0261

APPROVED FOR DESIGN OF ITEM BY ADJUSTMENTS

NO.	DATE	REVISION	BY

Plans Prepared By: WISDOT
BUREAU OF STRUCTURES

ACCEPTED _____ CHIEF STRUCTURES DESIGN ENGINEER _____ DATE

STRUCTURE B-67-314

CTH X (GENESEE RD) NB OVER PEBBLE CREEK

COUNTY WAUKESHA | TOWN/~~CITY/VILLAGE~~ WAUKESHA

DESIGN SPEC. AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS

DESIGNED BY MJK/SGN	DESIGN CK'D. MSC	DRAWN BY MJK	PLANS CK'D. MSC

GENERAL PLAN

SHEET 1 OF

PRE_299

I.D. 2788-00-01A

DATE: AUG. 2015

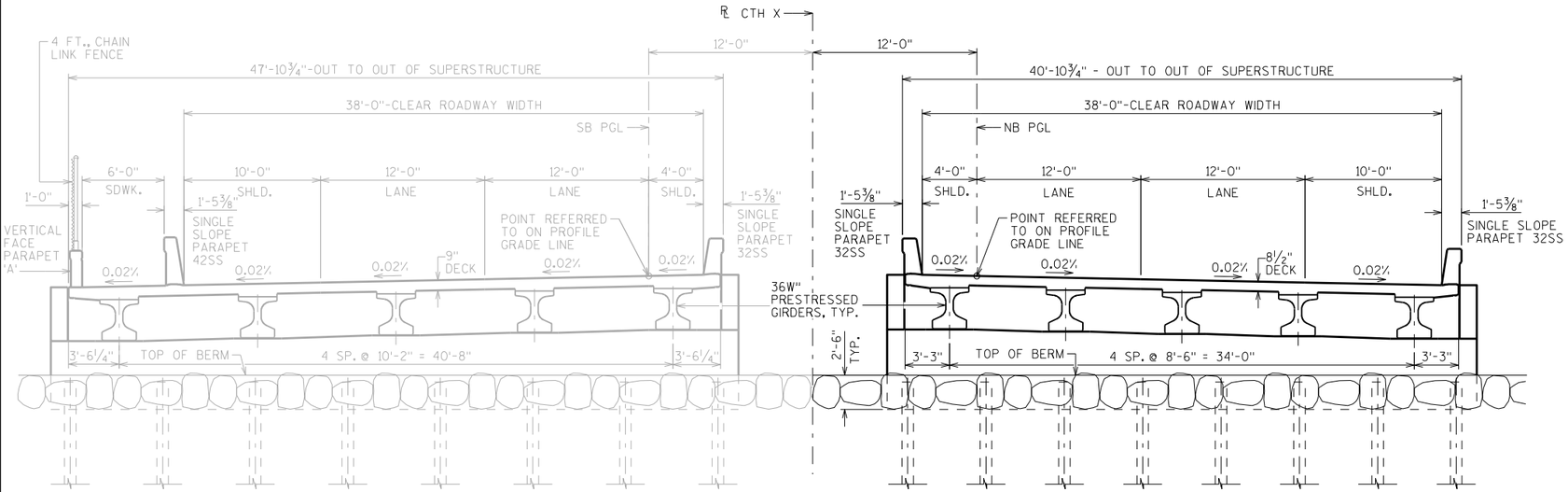
SCALE = 10.0

8

8

STATE PROJECT NUMBER

2788-00-71



CROSS SECTION THRU ROADWAY B-67-315

LOOKING NORTH

CROSS SECTION THRU ROADWAY B-67-314

LOOKING NORTH

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

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

THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE.

AT THE BACKFACE OF ABUTMENT ALL VOLUME WHICH CANNOT BE PLACED BEFORE ABUTMENT CONSTRUCTION AND IS NOT OCCUPIED BY THE NEW STRUCTURE SHALL BE BACKFILLED WITH STRUCTURE BACKFILL.

ELASTOMERIC BEARING PADS NEED NOT BE INDIVIDUALLY MOLDED PROVIDED THE CUT EDGES ARE SMOOTH AND TRUE.

THE GRADATION OF THE STRUCTURE BACKFILL SHALL MEET THE REQUIREMENTS OF SECTION 209.2.2 OF THE STANDARD SPECIFICATIONS FOR GRADE 1 MATERIAL.

PROTECTIVE SURFACE TREATMENT TO BE APPLIED TO THE ENTIRE TOP OF DECK SURFACE.

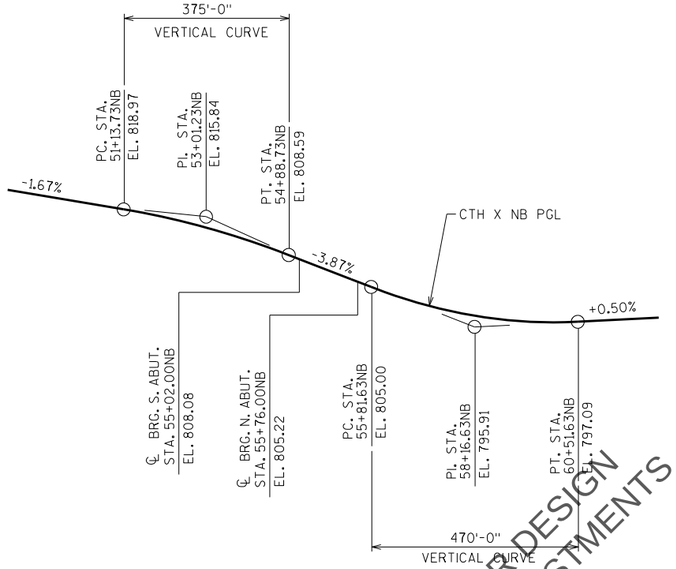
PIGMENTED SURFACE SEALER TO BE APPLIED TO THE FRONT FACE AND THE TOP OF THE PARAPET, INCLUDING PARAPETS ON ABUTMENT WINGS.

THE SLOPE OF THE FILL IN FRONT OF THE ABUTMENTS SHALL BE COVERED WITH HEAVY RIPRAP AND GEOTEXTILE FABRIC TYPE 'HR' TO THE EXTENT SHOWN ON SHEET 1 AND IN THE ABUTMENT DETAILS.

AT ABUTMENTS, HP 12X53 STEEL PILING MAY BE USED IN LIEU OF HP 10X42 STEEL PILING. PAYMENT SHALL BE BASED ON BID PRICE FOR HP 10X42 STEEL PILING.

TOTAL ESTIMATED QUANTITIES

BID ITEM NUMBER	BID ITEMS	UNIT	SUPER.	SOUTH APPROACH	SOUTH ABUT.	NORTH ABUT.	NORTH APPROACH	TOTALS
203.0600.S	REMOVING OLD STRUCTURE OVER WATERWAY WITH MINIMAL DEBRIS STA. 55+50	LS	——	——	——	——	——	1
206.1000	EXCAVATION FOR STRUCTURES BRIDGES B-67-314	LS	——	——	——	——	——	1
210.0100	BACKFILL STRUCTURE	CY	——	——	——	——	——	
305.0120	BASE AGGREGATE DENSE 1 1/4-INCH	TON	——	——	——	——	——	
502.0100	CONCRETE MASONRY BRIDGES	CY	——	——	——	——	——	
502.3200	PROTECTIVE SURFACE TREATMENT	SY	——	——	——	——	——	
502.3210	PIGMENTED SURFACE SEALER	SY	——	——	——	——	——	
503.0137	PRESTRESSED GIRDER TYPE I 36W-INCH	LF	——	——	——	——	——	
505.0400	BAR STEEL REINFORCEMENT HS STRUCTURES	LB	——	——	——	——	——	
505.0600	BAR STEEL REINFORCEMENT HS COATED STRUCTURES	LB	——	——	——	——	——	
505.0800.S	BAR STEEL REINFORCEMENT HS STAINLESS STRUCTURES	LB	——	——	——	——	——	
506.2605	BEARING PADS ELASTOMERIC NON-LAMINATED	EACH	——	——	——	——	——	
506.4000	STEEL DIAPHRAGMS B-67-314	EACH	——	——	——	——	——	
516.0500	RUBBERIZED MEMBRANE WATERPROOFING	SY	——	——	——	——	——	
550.1100	PILING STEEL HP 10-INCH X 42 LB	LF	——	——	——	——	——	
606.0300	RIPRAP HEAVY	CY	——	——	——	——	——	
612.0406	PIPE UNDERDRAIN WRAPPED 6-INCH	LF	——	——	——	——	——	
616.0204	FENCE CHAIN LINK 4-FT.	LF	——	——	——	——	——	
645.0120	GEOTEXTILE FABRIC TYPE HR	SY	——	——	——	——	——	
SPV.0195	SELECT CRUSHED FOR ECO. PASSAGE	TON	——	——	——	——	——	
			═══	——	═══	——	═══	
	NON-BID ITEMS			——	——	——		
	FILLER	SIZE						½" & ¾"



PROFILE GRADE LINE CTH X NB

APPROVED FOR DESIGN OF UTILITY ADJUSTMENTS

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-67-314

DRAWN BY MJK | PLANS CK'D. MSC

CROSS SECTION & QUANTITIES | SHEET 2

PRE_300

SCALE = 5

8

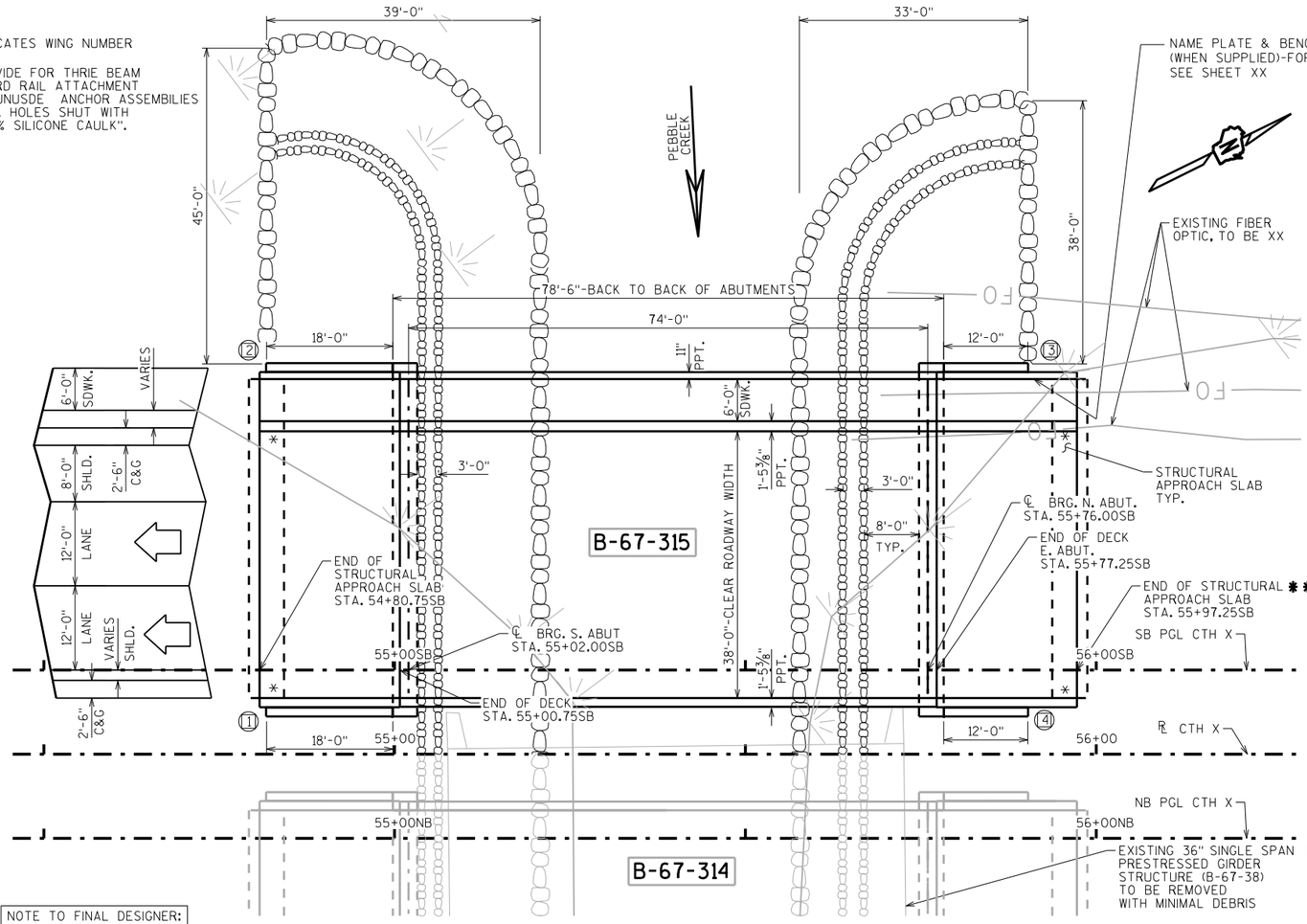
8

STATE PROJECT NUMBER

2788-00-71

INDICATES WING NUMBER

* PROVIDE FOR THRIE BEAM GUARD RAIL ATTACHMENT AT UNUSDE ANCHOR ASSEMBLIES CALK HOLES SHUT WITH "100% SILICONE CAULK".



NOTE TO FINAL DESIGNER:
S. ABUT. HT. = 8' MAX.
N. ABUT. HT. = 5' MIN.

PLAN

SINGLE SPAN 36W" PRESTRESSED GIRDER BRIDGE

DESIGN DATA

LIVE LOAD:

DESIGN LOADING; HL-93
INVENTORY RATING FACTOR: RF=
OPERATING RATING FACTOR: RF=
WISCONSIN STANDARD PERMIT VEHICLE (WIS.-SPV): (KIPS)

STRUCTURE IS DESIGNED FOR A FUTURE WEARING SURFACE OF 20 POUNDS PER SQUARE FOOT.

ULTIMATE DESIGN STRESSES:

CONCRETE MASONRY DECK — f'c = 4,000 P.S.I. ALL OTHER — f'c = 3,500 P.S.I.
BAR STEEL REINFORCEMENT, GRADE 60 — fy = 60,000 P.S.I.
36W" PRESTRESSED GIRDERS, CONCRETE MASONRY — f'c = P.S.I.
STRANDS- 0.6" DIA. WITH ULTIMATE TENSILE STRENGTH OF 270,000 P.S.I.

TRAFFIC VOLUME

CTH X
A.A.D.T.=18,000 (2037)
R.D.S.=50 M.P.H.

FOUNDATION DATA

ABUTMENTS TO BE SUPPORTED ON PILING
DRIVEN TO A REQUIRED DRIVING RESISTANCE OF TONS ** PER PILE
AS DETERMINED BY THE MODIFIED GATES DYNAMIC FORMULA.
ESTIMATED _____ LONG.

** THE FACTORED AXIAL RESISTANCE OF PILES IN COMPRESSION USED FOR DESIGN IS THE REQUIRED DRIVING RESISTANCE MULTIPLIED BY A RESISTANCE FACTOR OF 0.5 USING MODIFIED GATES TO DETERMINE DRIVEN PILE CAPACITY.

HYDRAULIC DATA

100 YEAR FREQUENCY

Q_{100} =1,710 C.F.S.
VEL. =8.15 F.P.S.
HW.= EL. 795.84
WATERWAY AREA= 209.81 SQ. FT.
DRAINAGE AREA= 17.80 SQ. MI.
ROAD OVERTOPPING = NA
SCOUR CRITICAL CODE = 8

2 YEAR FREQUENCY

Q_2 =764 C.F.S.
$HW._2$= EL. 793.11

LIST OF DRAWINGS

1. GENERAL PLAN
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3. SUBSURFACE EXPLORATION
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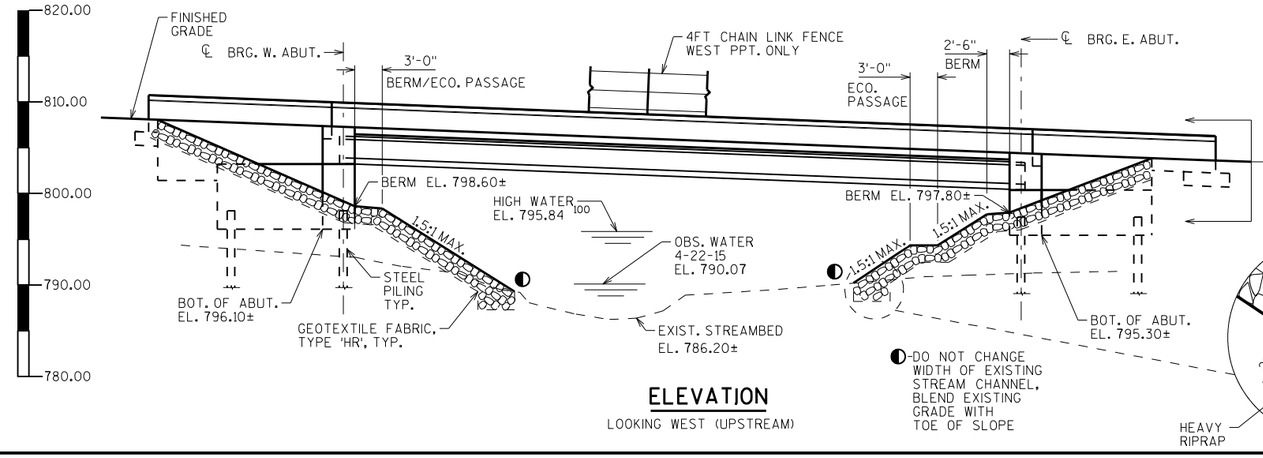
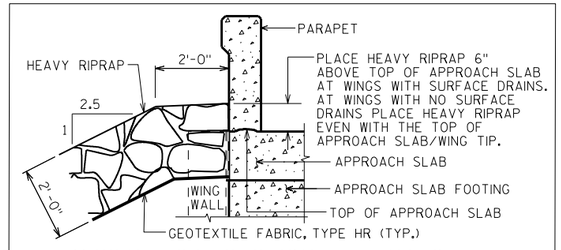


ELEVATION

LOOKING WEST (UPSTREAM)



TYPICAL FILL SECTION AT END OF STRUCTURAL APPROACH SLABS

PRELIMINARY PLAN

APPROVED FOR DESIGN ONLY DO NOT USE FOR CONSTRUCTION OR RIGHT OF WAY ACQUISITION

STRUCTURE DESIGN CONTACTS:
MAX KULICK (608) 261-6108
AARON BONK (608) 261-0261

NO.	DATE	REVISION	BY

Plans Prepared By WISDOT BUREAU OF STRUCTURES

ACCEPTED _____ CHIEF STRUCTURES DESIGN ENGINEER _____ DATE

STRUCTURE B-67-315

CTH X (GENESEE RD) SB OVER PEBBLE CREEK

COUNTY	TOWN/~~CITY/VILLAGE~~
WAUKESHA	WAUKESHA

DESIGN SPEC. AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS

DESIGNED BY	DESIGN CK'D.	DRAWN BY	PLANS CK'D.
MJK/SGN	MSC	MJK	MSC

GENERAL PLAN

SHEET 1 OF

PRE_301

I.D. 2788-00-01B

DATE: AUG. 2015

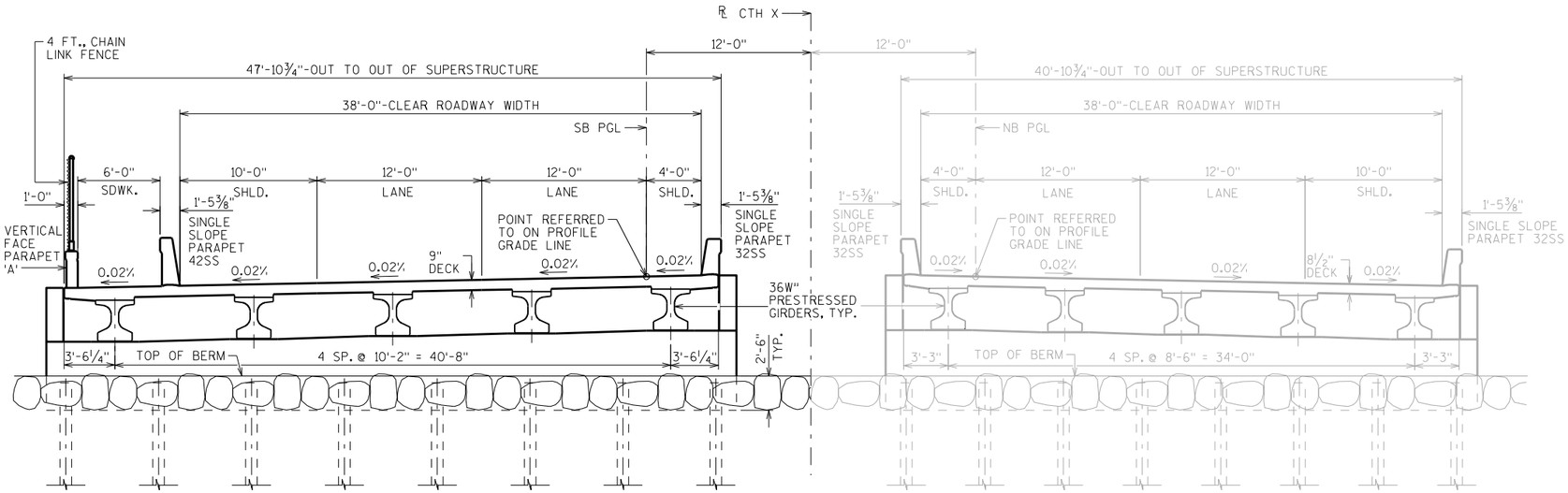
SCALE = 10.0

8

8

STATE PROJECT NUMBER

2788-00-71



CROSS SECTION THRU ROADWAY-B-67-315

LOOKING NORTH

CROSS SECTION THRU ROADWAY-B-67-314

LOOKING NORTH

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

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

THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE.

AT THE BACKFACE OF ABUTMENT ALL VOLUME WHICH CANNOT BE PLACED BEFORE ABUTMENT CONSTRUCTION AND IS NOT OCCUPIED BY THE NEW STRUCTURE SHALL BE BACKFILLED WITH STRUCTURE BACKFILL.

ELASTOMERIC BEARING PADS NEED NOT BE INDIVIDUALLY MOLDED PROVIDED THE CUT EDGES ARE SMOOTH AND TRUE.

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PIGMENTED SURFACE SEALER TO BE APPLIED TO THE FRONT FACE AND THE TOP OF THE PARAPET, INCLUDING PARAPETS ON ABUTMENT WINGS.

THE SLOPE OF THE FILL IN FRONT OF THE ABUTMENTS SHALL BE COVERED WITH HEAVY RIPRAP AND GEOTEXTILE FABRIC TYPE 'HR' TO THE EXTENT SHOWN ON SHEET 1 AND IN THE ABUTMENT DETAILS.

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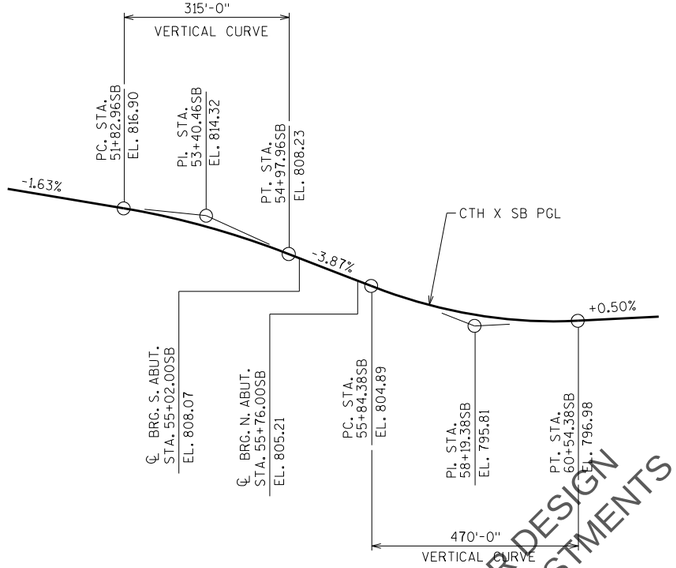
TOTAL ESTIMATED QUANTITIES

BID ITEM NUMBER	BID ITEMS	UNIT	SUPER.	SOUTH APPROACH	SOUTH ABUT.	NORTH ABUT.	NORTH APPROACH	TOTALS
206.1000	EXCAVATION FOR STRUCTURES BRIDGES B-67-315	LS	———	———	———	———	———	1
210.0100	BACKFILL STRUCTURE	CY	———	———	———	———	———	1
305.0120	BASE AGGREGATE DENSE 1 1/4-INCH	TON	———	———	———	———	———	
502.0100	CONCRETE MASONRY BRIDGES	CY	———	———	———	———	———	
502.3200	PROTECTIVE SURFACE TREATMENT	SY	———	———	———	———	———	
502.3210	PIGMENTED SURFACE SEALER	SY	———	———	———	———	———	
503.0137	PRESTRESSED GIRDER TYPE I 36W-INCH	LF	———	———	———	———	———	
505.0400	BAR STEEL REINFORCEMENT HS STRUCTURES	LB	———	———	———	———	———	
505.0600	BAR STEEL REINFORCEMENT HS COATED STRUCTURES	LB	———	———	———	———	———	
505.0800.S	BAR STEEL REINFORCEMENT HS STAINLESS STRUCTURES	LB	———	———	———	———	———	
506.2605	BEARING PADS ELASTOMERIC NON-LAMINATED	EACH	———	———	———	———	———	
506.4000	STEEL DIAPHRAGMS B-67-315	EACH	———	———	———	———	———	
516.0500	RUBBERIZED MEMBRANE WATERPROOFING	SY	———	———	———	———	———	
550.1100	PILING STEEL HP 10-INCH X 42 LB	LF	———	———	———	———	———	
606.0300	RIPRAP HEAVY	CY	———	———	———	———	———	
612.0406	PIPE UNDERDRAIN WRAPPED 6-INCH	LF	———	———	———	———	———	
616.0204	FENCE CHAIN LINK 4-FT.	LF	———	———	———	———	———	
645.0120	GEOTEXTILE FABRIC TYPE HR	SY	———	———	———	———	———	
SPV.0195	SELECT CRUSHED FOR ECO. PASSAGE	TON	———	———	———	———	———	
			———	———	———	———	———	
			═══	———	═══	———	═══	
	NON-BID ITEMS		———	———	———	———	———	
	FILLER	SIZE						½" & ¾"



PROFILE GRADE LINE CTH X SB

APPROVED FOR DESIGN OF UTILITY ADJUSTMENTS

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-67-315

DRAWN BY MJK | PLANS CK'D. MSC

CROSS SECTION & QUANTITIES

SHEET 2

PRE_302

SCALE = 5

8

8

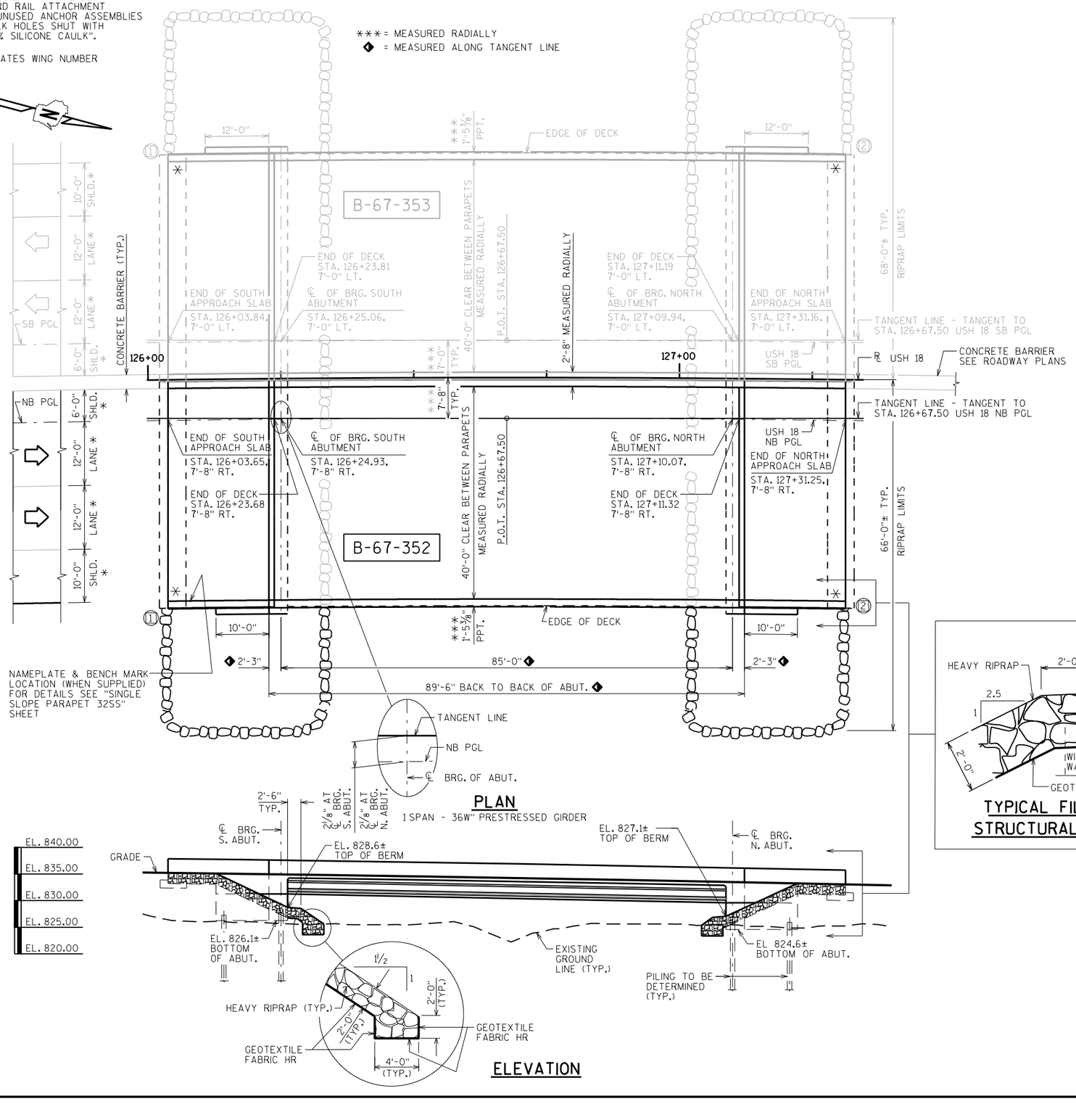
STATE PROJECT NUMBER
2788-00-71

* PROVIDE FOR THRIE BEAM GUARD RAIL ATTACHMENT AT UNUSED ANCHOR ASSEMBLIES CAULK HOLES SHUT WITH "100% SILICONE CAULK".

(1) INDICATES WING NUMBER

*** = MEASURED RADIALLY

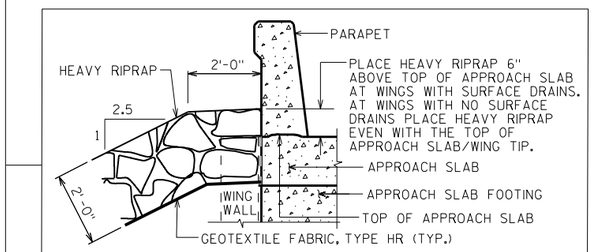
◆ = MEASURED ALONG TANGENT LINE



PLAN

1 SPAN - 36W" PRESTRESSED GIRDER

ELEVATION



TYPICAL FILL SECTION AT END OF STRUCTURAL APPROACH SLABS (TYP.)

DESIGN DATA

LIVE LOAD:

DESIGN LOADING; HL-93
INVENTORY RATING FACTOR: RF=
OPERATING RATING FACTOR: RF=
WISCONSIN STANDARD PERMIT VEHICLE (WIS.-SPV): (KIPS)

STRUCTURE IS DESIGNED FOR A FUTURE WEARING SURFACE OF 20 POUNDS PER SQUARE FOOT.

MATERIAL PROPERTIES:

CONCRETE MASONRY DECK — f'c = 4,000 P.S.I. ALL OTHER — f'c = 3,500 P.S.I.
BAR STEEL REINFORCEMENT, GRADE 60 — fy = 60,000 P.S.I.
36W" PRESTRESSED GIRDERS, CONCRETE MASONRY — f'c = P.S.I.
STRANDS- " DIA. WITH ULTIMATE TENSILE STRENGTH OF 270,000 P.S.I.

FOUNDATION DATA

ABUTMENTS TO BE SUPPORTED ON PILING
DRIVEN TO A REQUIRED DRIVING RESISTANCE OF TONS ** PER PILE
AS DETERMINED BY THE MODIFIED GATES DYNAMIC FORMULA.
ESTIMATED _____ LONG.

** THE FACTORED AXIAL RESISTANCE OF PILES IN COMPRESSION USED FOR DESIGN IS THE REQUIRED DRIVING RESISTANCE MULTIPLIED BY A RESISTANCE FACTOR OF 0.5 USING MODIFIED GATES TO DETERMINE DRIVEN PILE CAPACITY.

TRAFFIC VOLUME

USH 18
A.D.T.=17,300 (2037)
R.D.S.=50 M.P.H.

CURVE DATA

℄ USH 18
P.I. = 125+62.72
Δ = 21°-44'-49" RT
D = 1°-08'-45"
T = 960.46
L = 1897.77
R = 5000
S.E. = 2.0%
P.C. = 116+02.27
P.T. = 135+00.04

LIST OF DRAWINGS

1. GENERAL PLAN
2. CROSS SECTION & QUANTITIES
3.
4.
5.
6.
7.
8.
9.
10.

PRELIMINARY PLAN

STRUCTURE DESIGN CONTACTS
MATT COUPAR (608) 266-3083
AARON BONK (608) 261-0261

APPROVED FOR DESIGN QUANTITY ADJUSTMENTS

NO.	DATE	REVISION	BY

Plans Prepared By: WISDOT
BUREAU OF STRUCTURES

ACCEPTED _____ CHIEF STRUCTURES DESIGN ENGINEER _____ DATE

STRUCTURE B-67-352
USH 18 NORTHBOUND OVER WETLANDS

COUNTY	TOWN, ~~CITY, VILLAGE~~
WAUKESHA	WAUKESHA

DESIGN SPEC.
AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS

DESIGNED BY	DESIGN CK'D.	DRAWN BY	PLANS CK'D.
MSC		DDS	

GENERAL PLAN

SHEET 1 OF 2

PRE_303

I.D. 2788-00-01C

DATE: SEPT. 2015

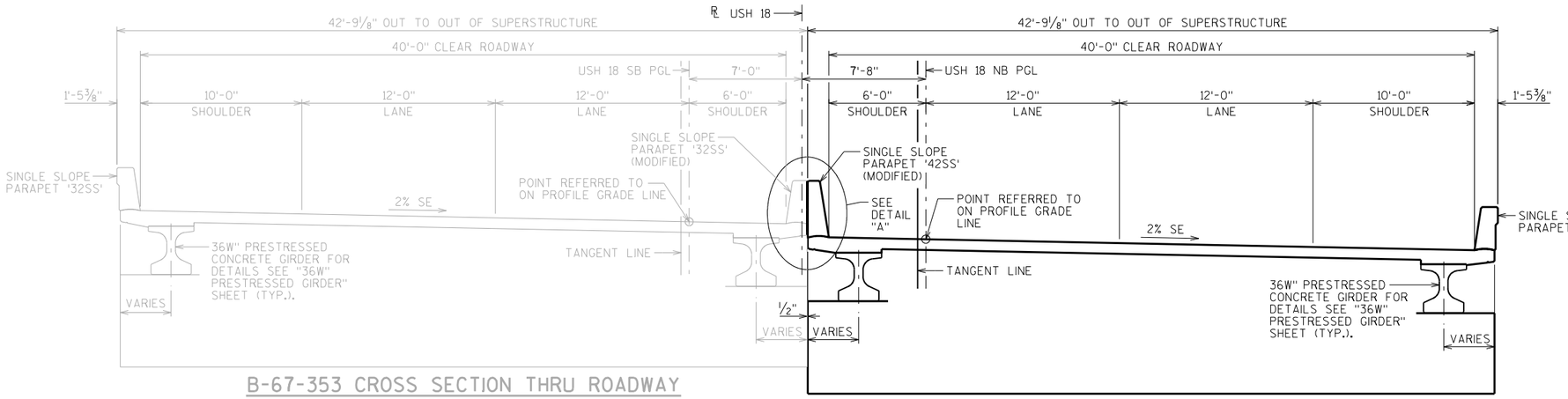
SCALE = 10

8

8

STATE PROJECT NUMBER

2788-00-71

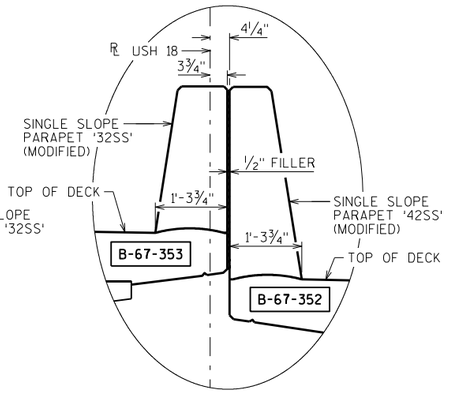


B-67-353 CROSS SECTION THRU ROADWAY

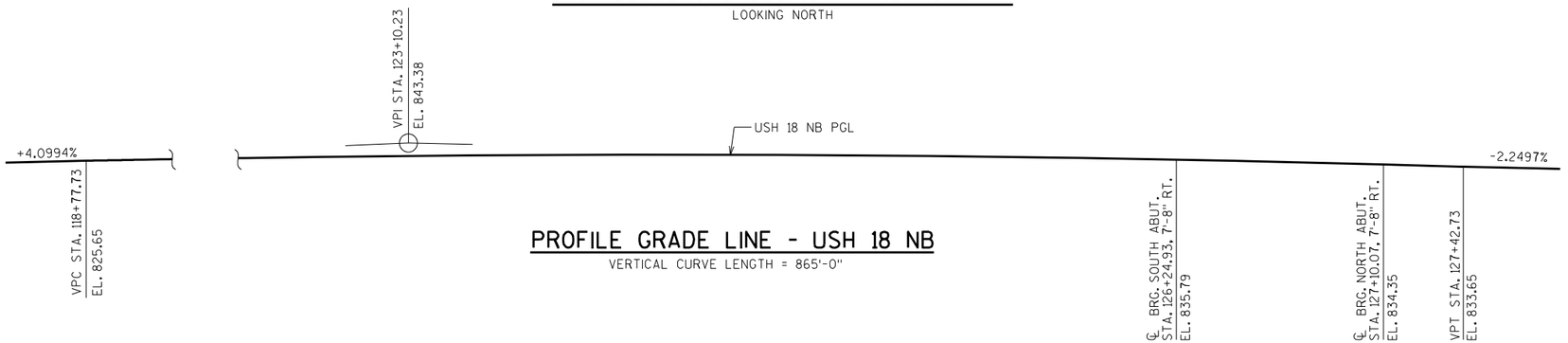
LOOKING NORTH

B-67-352 CROSS SECTION THRU ROADWAY

LOOKING NORTH



DETAIL A



PROFILE GRADE LINE - USH 18 NB

VERTICAL CURVE LENGTH = 865'-0"

TOTAL ESTIMATED QUANTITIES

BID ITEM NUMBER	BID ITEMS	UNIT	SUPER.	SOUTH APPROACH	SOUTH ABUT.	NORTH ABUT.	NORTH APPROACH	TOTALS
206.1000	EXCAVATION FOR STRUCTURES BRIDGES B-67-352	LS	———	———	———	———	———	1
210.0100	BACKFILL STRUCTURE	CY	———	———	———	———	———	
305.0120	BASE AGGREGATE DENSE 1 1/4-INCH	TON	———	———	———	———	———	
502.0100	CONCRETE MASONRY BRIDGES	CY	———	———	———	———	———	
502.3200	PROTECTIVE SURFACE TREATMENT	SY	———	———	———	———	———	
502.3210	PIGMENTED SURFACE SEALER	SY	———	———	———	———	———	
503.0137	PRESTRESSED GIRDER TYPE I 36W-INCH	LF	———	———	———	———	———	
505.0400	BAR STEEL REINFORCEMENT HS STRUCTURES	LB	———	———	———	———	———	
505.0600	BAR STEEL REINFORCEMENT HS COATED STRUCTURES	LB	———	———	———	———	———	
505.0800.S	BAR STEEL REINFORCEMENT HS STAINLESS STRUCTURES	LB	———	———	———	———	———	
506.2605	BEARING PADS ELASTOMERIC NON-LAMINATED	EACH	———	———	———	———	———	
506.4000	STEEL DIAPHRAGMS B-67-352	EACH	———	———	———	———	———	
516.0500	RUBBERIZED MEMBRANE WATERPROOFING	SY	———	———	———	———	———	
550.XXXX	PILING	LF	———	———	———	———	———	
606.0300	RIPRAP HEAVY	CY	———	———	———	———	———	
612.0406	PIPE UNDERDRAIN WRAPPED 6-INCH	LF	———	———	———	———	———	
614.0150	ANCHOR ASSEMBLIES FOR STEEL PLATE BEAM GUARD	EACH	———	———	———	———	———	
645.0120	GEOTEXTILE FABRIC TYPE HR	SY	———	———	———	———	———	
			———	———	———	———	———	
			———	———	———	———	———	
			———	———	———	———	———	
	NON-BID ITEMS							
	FILLER	SIZE	———	———	———	———	———	½" & ¾"

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

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

THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE.

AT THE BACKFACE OF ABUTMENT ALL VOLUME WHICH CANNOT BE PLACED BEFORE ABUTMENT CONSTRUCTION AND IS NOT OCCUPIED BY THE NEW STRUCTURE SHALL BE BACKFILLED WITH STRUCTURE BACKFILL.

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PIGMENTED SURFACE SEALER TO BE APPLIED TO THE ENTIRE FRONT FACE AND THE TOP OF THE PARAPET, INCLUDING PARAPETS ON APPROACH SLABS.

AT ABUTMENTS, HP 12X53 STEEL PILING MAY BE USED IN LIEU OF HP 10X42 STEEL PILING. PAYMENT SHALL BE BASED ON BID PRICE FOR HP 10X42 STEEL PILING.

THE SLOPE OF THE FILL IN FRONT OF THE ABUTMENTS SHALL BE COVERED WITH HEAVY RIPRAP AND GEOTEXTILE FABRIC TYPE 'HR' TO THE EXTENT SHOWN ON SHEET 1 AND IN THE ABUTMENT DETAILS.

PRELIMINARY PLAN
APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-67-352

DRAWN BY DDS | PLANS CK'D.

CROSS SECTION & QUANTITIES

SHEET 2

PRE_304

SCALE =

8

8

STATE PROJECT NUMBER
2788-00-71

* PROVIDE FOR THRIE BEAM GUARD RAIL ATTACHMENT AT UNUSED ANCHOR ASSEMBLIES CAULK HOLES SHUT WITH "100% SILICONE CAULK".

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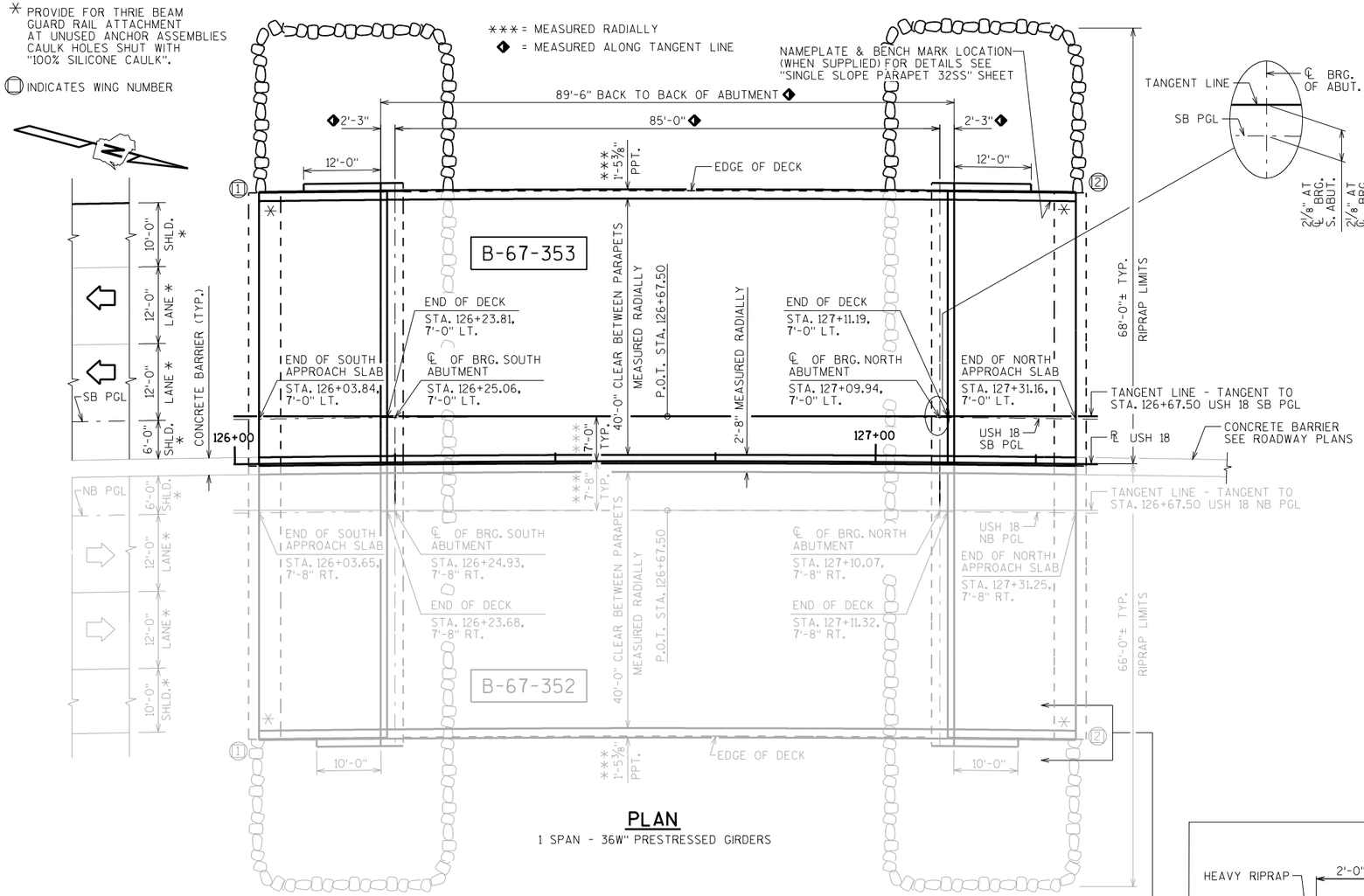
◆ = MEASURED ALONG TANGENT LINE



PLAN

1 SPAN - 36W" PRESTRESSED GIRDERS

DESIGN DATA

LIVE LOAD:

DESIGN LOADING: HL-93
INVENTORY RATING FACTOR: RF=
OPERATING RATING FACTOR: RF=
WISCONSIN STANDARD PERMIT VEHICLE (WIS.-SPV): (KIPS)

STRUCTURE IS DESIGNED FOR A FUTURE WEARING SURFACE OF 20 POUNDS PER SQUARE FOOT.

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36W" PRESTRESSED GIRDERS, CONCRETE MASONRY — f'c = P.S.I.
STRANDS- " DIA. WITH ULTIMATE TENSILE STRENGTH OF 270,000 P.S.I.

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DRIVEN TO A REQUIRED DRIVING RESISTANCE OF TONS ** PER PILE
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ESTIMATED _____ LONG.

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TRAFFIC VOLUME

USH 18
A.D.T.=17,300 (2037)
R.D.S.=50 M.P.H.

CURVE DATA

℄ USH 18

P.I. = 125+62.72
△ = 21°-44'-49" RT
D = 1°-08'-45"
T = 960.46
L = 1897.77
R = 5000
S.E. = 2.0%
P.C. = 116+02.27
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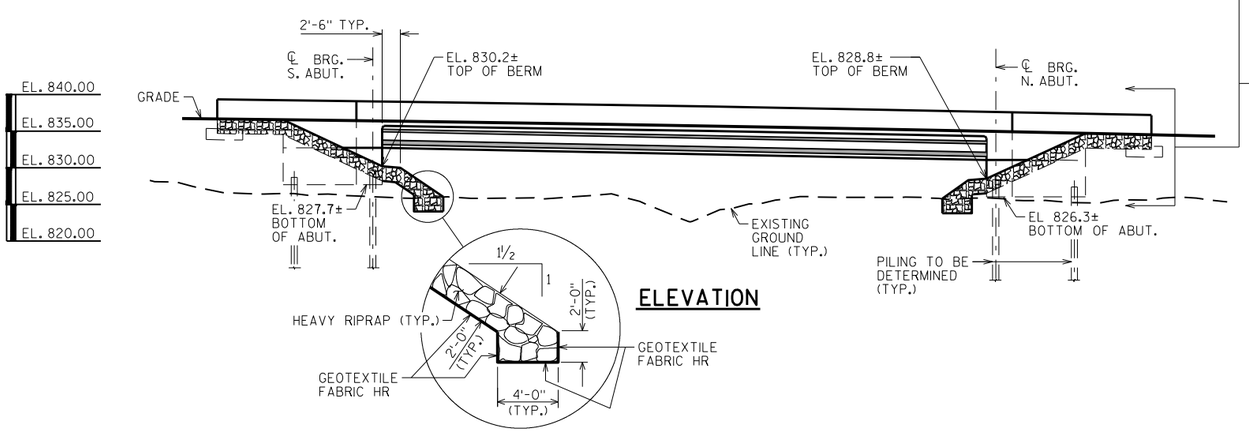
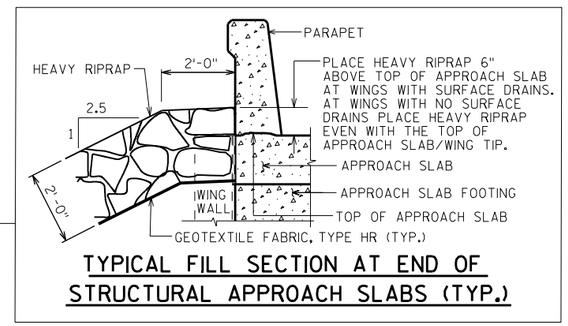


ELEVATION



TYPICAL FILL SECTION AT END OF STRUCTURAL APPROACH SLABS (TYP.)

LIST OF DRAWINGS

1. GENERAL PLAN
2. CROSS SECTION & QUANTITIES
3.
4.
5.
6.
7.
8.
9.
10.
11.

PRELIMINARY PLAN

STRUCTURE DESIGN CONTACT:
MATT COUPAR (608) 266-5083
AARON BONK (608) 261-0261

NO.	DATE	REVISION	BY

Plans Prepared By: WISDOT
BUREAU OF STRUCTURES

ACCEPTED _____
CHIEF STRUCTURES DESIGN ENGINEER DATE

STRUCTURE B-67-353

USH 18 SOUTHBOUND OVER WETLANDS

COUNTY	TOWN ~~CITY/VILLAGE~~
WAUKESHA	WAUKESHA

DESIGN SPEC. AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS

DESIGNED BY	DESIGN CK'D.	DRAWN BY	PLANS CK'D.
MSC		DDS	

GENERAL PLAN — SHEET 1 OF 2

PRE_305

APPROVED FOR DESIGN ONLY ADJUSTMENTS

I.D. 2788-00-01D

DATE: SEPT. 2015

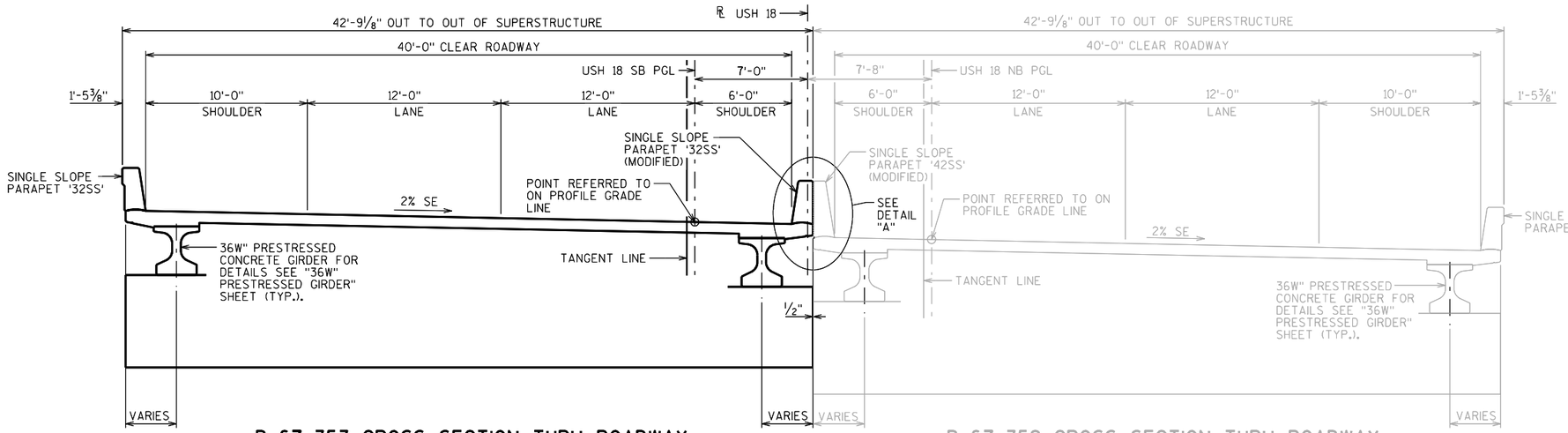
SCALE = 10

8

8

STATE PROJECT NUMBER

2788-00-71

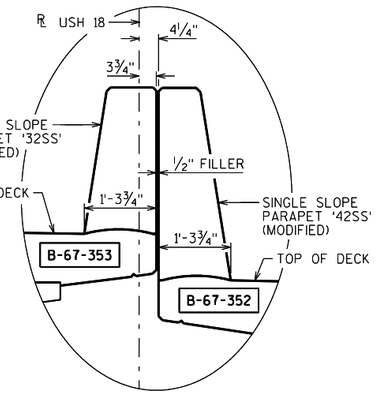


B-67-353 CROSS SECTION THRU ROADWAY

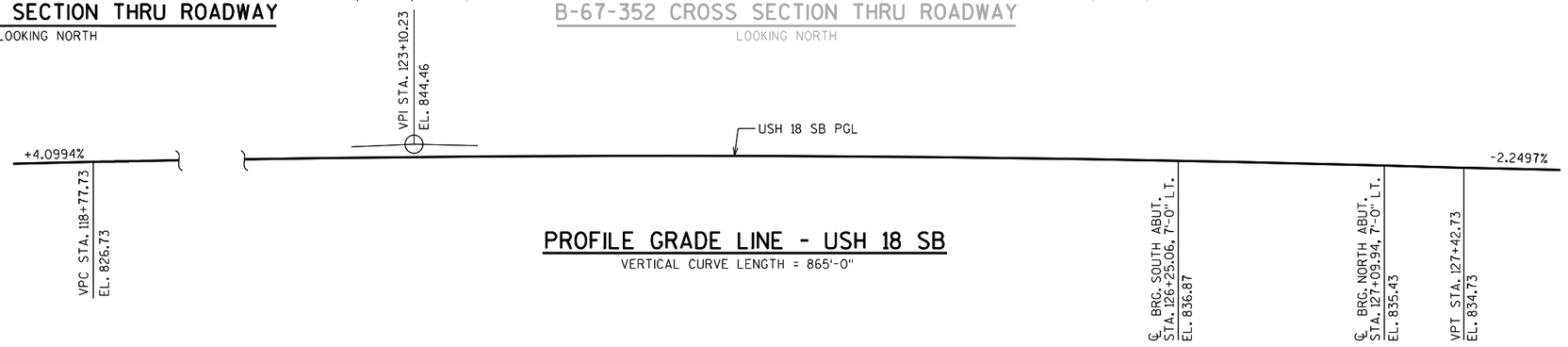
LOOKING NORTH

B-67-352 CROSS SECTION THRU ROADWAY

LOOKING NORTH



DETAIL A



PROFILE GRADE LINE - USH 18 SB

VERTICAL CURVE LENGTH = 865'-0"

TOTAL ESTIMATED QUANTITIES

BID ITEM NUMBER	BID ITEMS	UNIT	SUPER.	SOUTH APPROACH	SOUTH ABUT.	NORTH ABUT.	NORTH APPROACH	TOTALS
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305.0120	BASE AGGREGATE DENSE 1 1/4-INCH	TON	———	———	———	———	———	
502.0100	CONCRETE MASONRY BRIDGES	CY	———	———	———	———	———	
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502.3210	PIGMENTED SURFACE SEALER	SY	———	———	———	———	———	
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506.2605	BEARING PADS ELASTOMERIC NON-LAMINATED	EACH	———	———	———	———	———	
506.4000	STEEL DIAPHRAGMS B-67-353	EACH	———	———	———	———	———	
516.0500	RUBBERIZED MEMBRANE WATERPROOFING	SY	———	———	———	———	———	
550.XXXX	PILING	LF	———	———	———	———	———	
606.0300	RIPRAP HEAVY	CY	———	———	———	———	———	
612.0406	PIPE UNDERDRAIN WRAPPED 6-INCH	LF	———	———	———	———	———	
614.0150	ANCHOR ASSEMBLIES FOR STEEL PLATE BEAM GUARD	EACH	———	———	———	———	———	
645.0120	GEOTEXTILE FABRIC TYPE HR	SY	———	———	———	———	———	
			———	———	———	———	———	
			———	———	———	———	———	
	NON-BID ITEMS							
	FILLER	SIZE	———	———	———	———	———	1/2" & 3/4"

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

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

THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE.

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PIGMENTED SURFACE SEALER TO BE APPLIED TO THE ENTIRE FRONT FACE AND THE TOP OF THE PARAPET, INCLUDING PARAPETS ON APPROACH SLABS.

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THE SLOPE OF THE FILL IN FRONT OF THE ABUTMENTS SHALL BE COVERED WITH HEAVY RIPRAP AND GEOTEXTILE FABRIC TYPE 'HR' TO THE EXTENT SHOWN ON SHEET 1 AND IN THE ABUTMENT DETAILS.

PRELIMINARY PLAN
APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-67-353

DRAWN BY DDS | PLANS CK'D.

CROSS SECTION & QUANTITIES

SHEET 2

PRE_306

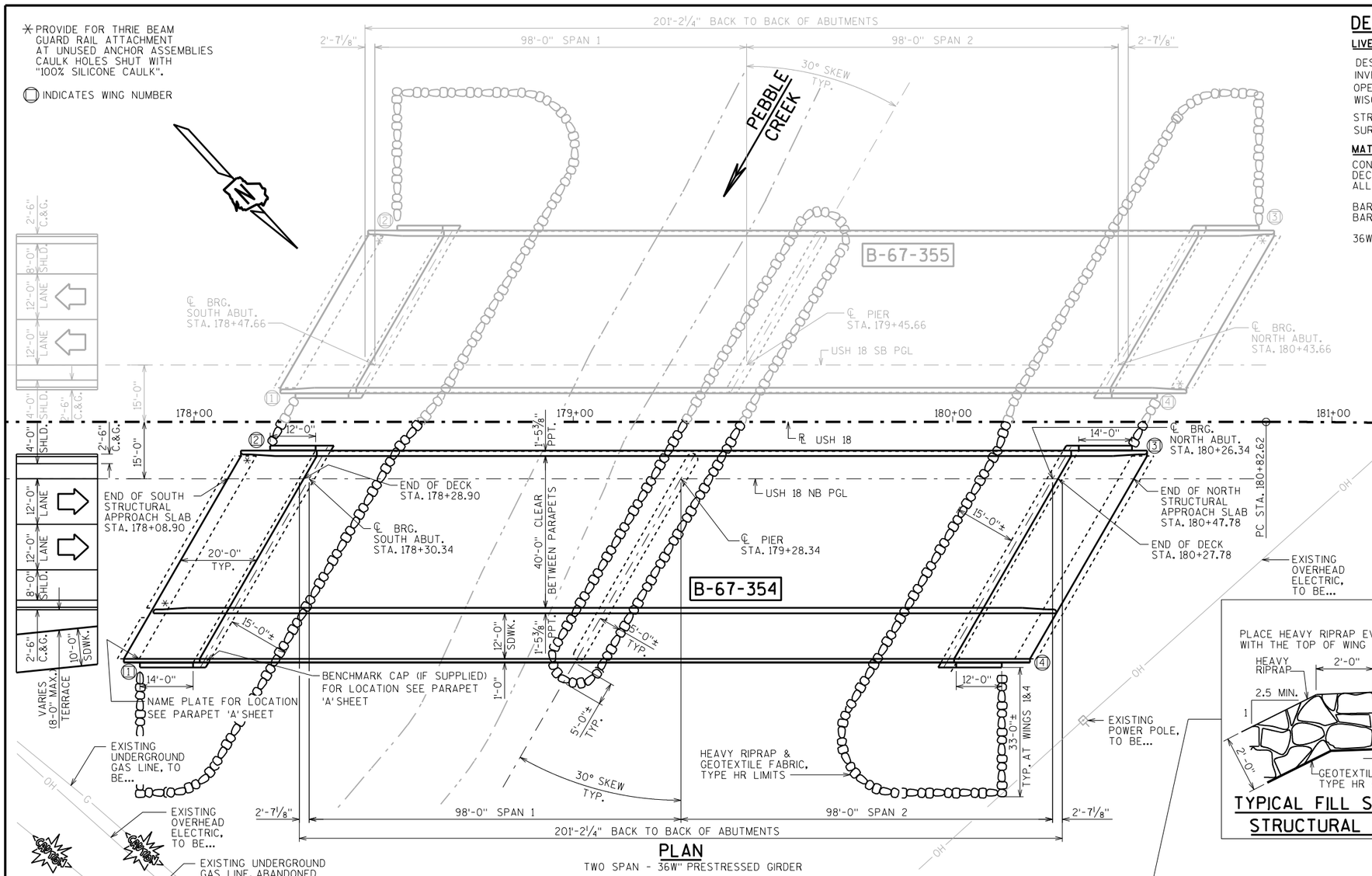
SCALE =

8

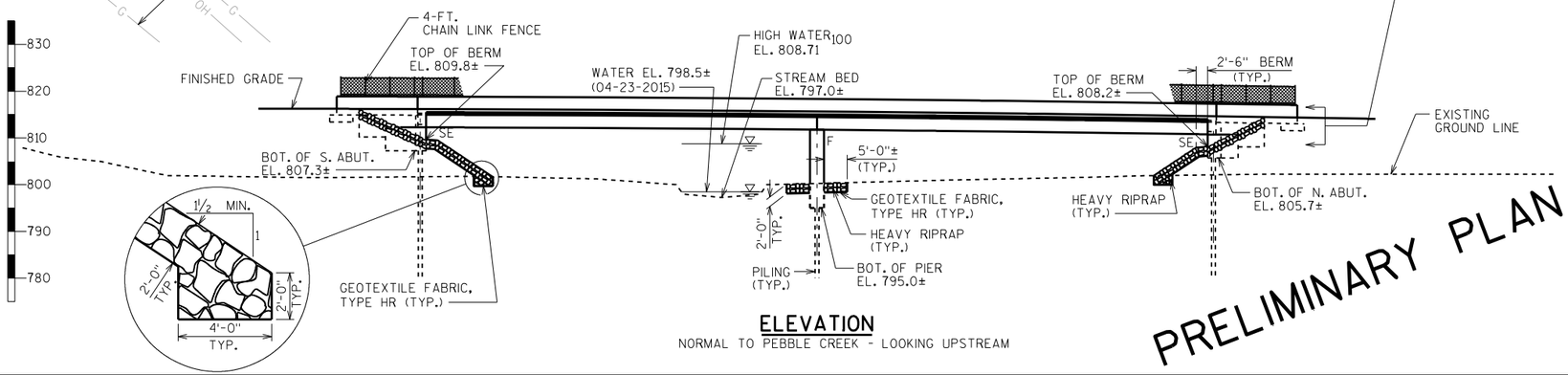
8

✳ PROVIDE FOR THRIE BEAM GUARD RAIL ATTACHMENT AT UNUSED ANCHOR ASSEMBLIES CAULK HOLES SHUT WITH "100% SILICONE CAULK".

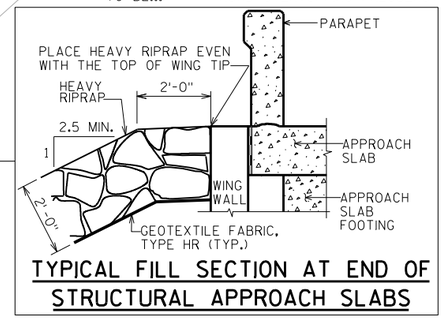
(1) INDICATES WING NUMBER



PLAN
TWO SPAN - 36W" PRESTRESSED GIRDER



ELEVATION
NORMAL TO PEBBLE CREEK - LOOKING UPSTREAM



TYPICAL FILL SECTION AT END OF STRUCTURAL APPROACH SLABS

DESIGN DATA

LIVE LOAD:

DESIGN LOADING; HL-93
INVENTORY RATING FACTOR: RF=
OPERATING RATING FACTOR: RF=
WISCONSIN STANDARD PERMIT VEHICLE (WIS.-SPV): (KIPS)

STRUCTURE IS DESIGNED FOR A FUTURE WEARING SURFACE OF 20 POUNDS PER SQUARE FOOT.

MATERIAL PROPERTIES:

CONCRETE MASONRY:
DECK——f'c = 4,000 P.S.I.
ALL OTHER——f'c = 3,500 P.S.I.

BAR STEEL REINFORCEMENT, GRADE 60 ——fy = 60,000 P.S.I.
BAR STEEL REINFORCEMENT STAINLESS, GRADE 60 —fy = 60,000 P.S.I.

36W" PRESTRESSED GIRDERS, CONCRETE MASONRY —fy = 60,000 P.S.I.
STRANDS - 0.6" DIA. WITH ULTIMATE TENSILE STRENGTH OF 270,000 P.S.I.

FOUNDATION DATA

ABUTMENTS TO BE SUPPORTED ON PILING
DRIVEN TO A REQUIRED DRIVING RESISTANCE OF TONS ✳✳ PER PILE AS DETERMINED BY THE MODIFIED GATES DYNAMIC FORMULA.
ESTIMATED _____ LONG.

PIER TO BE SUPPORTED ON PILING
DRIVEN TO A REQUIRED DRIVING RESISTANCE OF TONS ✳✳ PER PILE AS DETERMINED BY THE MODIFIED GATES DYNAMIC FORMULA.
ESTIMATED _____ LONG.

✳✳ THE FACTORED AXIAL RESISTANCE OF PILES IN COMPRESSION USED FOR DESIGN IS THE REQUIRED DRIVING RESISTANCE MULTIPLIED BY A RESISTANCE FACTOR OF 0.5 USING MODIFIED GATES TO DETERMINE DRIVEN PILE CAPACITY.

HYDRAULIC DATA

100 YEAR FREQUENCY

Q_{100} = 1765 C.F.S.
VEL. = 1.8 F.P.S.
$HW._{100}$ = EL. 808.71
WATERWAY AREA = 1,010 SQ. FT.
DRAINAGE AREA = 15.8 SQ. MI.
SCOUR CRITICAL CODE = 8
ROAD OVERTOPPING FREQUENCY = NA

2 YEAR FREQUENCY

Q_2 = 350 C.F.S.
$HW._2$ = EL. 802.92

CURVE DATA

℞ USH 18

P.I. = 196+18.01
Δ = 75°-01'-36"
D = 02°-51'-53"
T = 1535.39'
L = 2618.92'
R = 2000.00'
P.C. = 180+82.62
P.T. = 207+01.54

TRAFFIC VOLUME

USH 18

A.D.T. = 21,100 (2037)
R.D.S. = 50 M.P.H.

STRUCTURE DESIGN CONTACTS:

ADAM SWIERCZEK (608) 267-4593
AARON BONK (608) 261-0261

LIST OF DRAWINGS

1. GENERAL PLAN
2. CROSS SECTION & QUANTITIES
3.
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PRELIMINARY PLAN

APPROVED FOR DESIGN ONLY SUBJECT TO UTILITY ADJUSTMENTS

STATE PROJECT NUMBER
2788-00-71

NO.	DATE	REVISION	BY

Plans Prepared By WISDOT
BUREAU OF STRUCTURES

ACCEPTED _____ CHIEF STRUCTURES DESIGN ENGINEER _____ DATE

STRUCTURE B-67-354

USH 18 NORTHBOUND OVER PEBBLE CREEK

COUNTY WAUKESHA TOWN WAUKESHA

DESIGN SPEC. AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS

DESIGNED BY	ABS	DESIGN CK'D.	NAR	DRAWN BY	ABS/JPH	PLANS CK'D.	NAR

GENERAL PLAN

SHEET 1 OF 2

PRE_307

I.D. 2788-00-01E

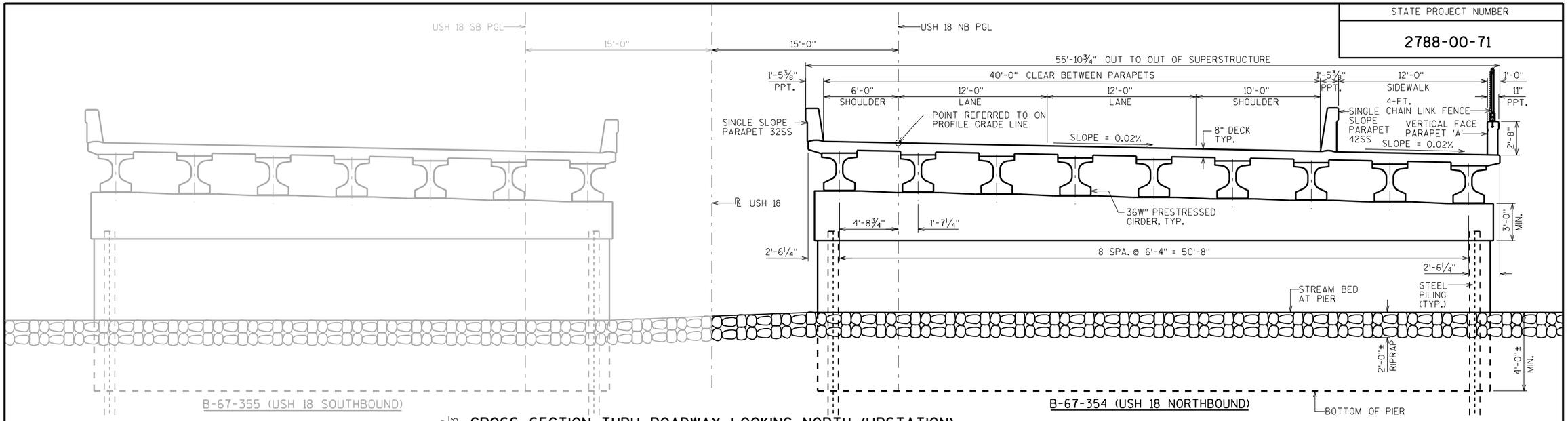
DATE: FEB. 2016

SCALE = 15

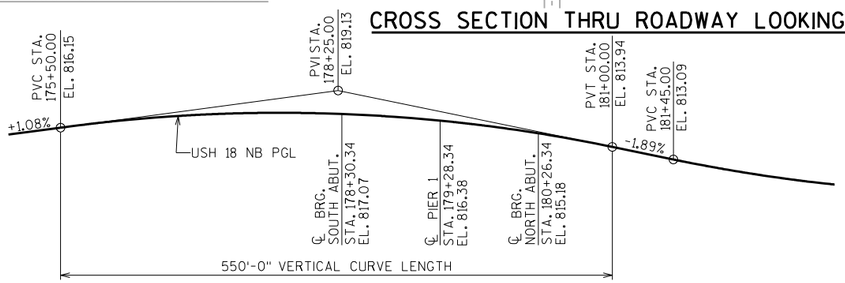
8

8

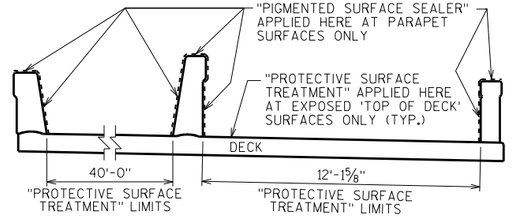
STATE PROJECT NUMBER
2788-00-71



CROSS SECTION THRU ROADWAY LOOKING NORTH (UPSTATION)



PROFILE GRADE LINE - USH 18 NORTHBOUND



SURFACE TREATMENT/SEALER LIMITS DETAIL

TOTAL ESTIMATED QUANTITIES

BID ITEM NUMBER	BID ITEMS	UNIT	SUPER.	SOUTH APPROACH	SOUTH ABUT.	PIER	NORTH ABUT.	NORTH APPROACH	TOTALS
206.1000	EXCAVATION FOR STRUCTURES BRIDGES B-67-354	LS	———	———	———	———	———	———	1
210.0100	BACKFILL STRUCTURE	CY							
305.0120	BASE AGGREGATE DENSE 1 1/4-INCH	TON							
501.1000.S	ICE HOT WEATHER CONCRETING	LB							
502.0100	CONCRETE MASONRY BRIDGES	CY							
502.3200	PROTECTIVE SURFACE TREATMENT	SY							
502.3210	PIGMENTED SURFACE SEALER	SY							
503.0137	PRESTRESSED GIRDER TYPE I 36W-INCH	LF							
505.0400	BAR STEEL REINFORCEMENT HS STRUCTURES	LB							
505.0600	BAR STEEL REINFORCEMENT HS COATED STRUCTURES	LB							
505.0800.S	BAR STEEL REINFORCEMENT HS STAINLESS STRUCTURES	LB							
506.2605	BEARING PADS ELASTOMERIC NON-LAMINATED	EACH							
506.4000	STEEL DIAPHRAGMS B-67-354	EACH							
516.0500	RUBBERIZED MEMBRANE WATERPROOFING	SY							
550.XXXX	PILING STEEL HP (SIZE)	LF							
606.0300	RIPRAP HEAVY	CY							
612.0406	PIPE UNDERDRAIN WRAPPED 6-INCH	LF							
614.0150	ANCHOR ASSEMBLIES FOR STEEL PLATE BEAM GUARD	EACH							
616.0204	FENCE CHAIN LINK 4-FT.	LF							
645.0120	GEOTEXTILE FABRIC TYPE HR	SY							
	NON-BID ITEMS								
	FILLER	SIZE	———	———	———	———	———	———	½", ¾", 1½"

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

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

THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE.

BEVEL EXPOSED EDGES OF CONCRETE ¾" UNLESS OTHERWISE NOTED.

AT THE BACK FACE OF ABUTMENT ALL VOLUME WHICH CANNOT BE PLACED BEFORE ABUTMENT CONSTRUCTION AND IS NOT OCCUPIED BY THE NEW STRUCTURE SHALL BE BACKFILLED WITH STRUCTURE BACKFILL. ALSO EXCLUDED IS THE "BASE AGGREGATE DENSE 1 1/4-INCH" AS DETAILED ON THE STRUCTURAL APPROACH SLAB SHEETS.

NON-LAMINATED ELASTOMERIC BEARING PADS NEED NOT BE INDIVIDUALLY MOLDED PROVIDED THE CUT EDGES ARE SMOOTH AND TRUE.

THE GRADATION OF THE STRUCTURE BACKFILL SHALL MEET THE REQUIREMENTS OF STANDARD SPEC 209.2.2 FOR GRADE 1 MATERIAL.

THE QUANTITY FOR BACKFILL STRUCTURE, BID ITEM 210.0100, IS CALCULATED BASED ON THE APPLICABLE FIGURES 12.6-1 AND 12.6-2 IN THE WISCONSIN DEPARTMENT OF TRANSPORTATION BRIDGE MANUAL.

PROTECTIVE SURFACE TREATMENT TO BE APPLIED TO THE ENTIRE TOP OF DECK, SIDEWALK, STRUCTURAL APPROACH SLAB SURFACES, AND VERTICAL AND HORIZONTAL SURFACES OF THE PAVING NOTCHES AT ABUTMENTS.

PIGMENTED SURFACE SEALER TO BE APPLIED TO THE FRONT FACE AND THE TOP OF EXTERIOR PARAPETS AND TO ALL EXPOSED SURFACES OF THE INTERIOR PARAPET, INCLUDING PARAPETS ON STRUCTURAL APPROACH SLABS.

THE SLOPE OF THE FILL IN FRONT OF THE ABUTMENTS SHALL BE COVERED WITH HEAVY RIPRAP AND GEOTEXTILE FABRIC TYPE "HR" TO THE EXTENT SHOWN ON "GENERAL PLAN" SHEET AND THE ABUTMENT DETAILS.

THE HAUNCH CONCRETE QUANTITY IS BASED ON THE AVERAGE HAUNCH SHOWN ON THE "36W PRESTRESSED GIRDER DETAILS 2" SHEET.

THE EXISTING STREAM BED SHALL BE USED AS THE UPPER LIMITS OF EXCAVATION AT THE PIERS.

AT ABUTMENTS AND PIER(S), CONCRETE POURED UNDER WATER WILL BE ALLOWED AND SHALL BE DONE IN ACCORDANCE WITH STANDARD SPEC 502.3.5.3.

APPROVED FOR DESIGN OF UTILITY ADJUSTMENTS

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-67-354

DRAWN BY ABS/JPH | PLANS CK'D. NAR

CROSS SECTION & QUANTITIES

SHEET 2

PRE_308

SCALE = 4

8

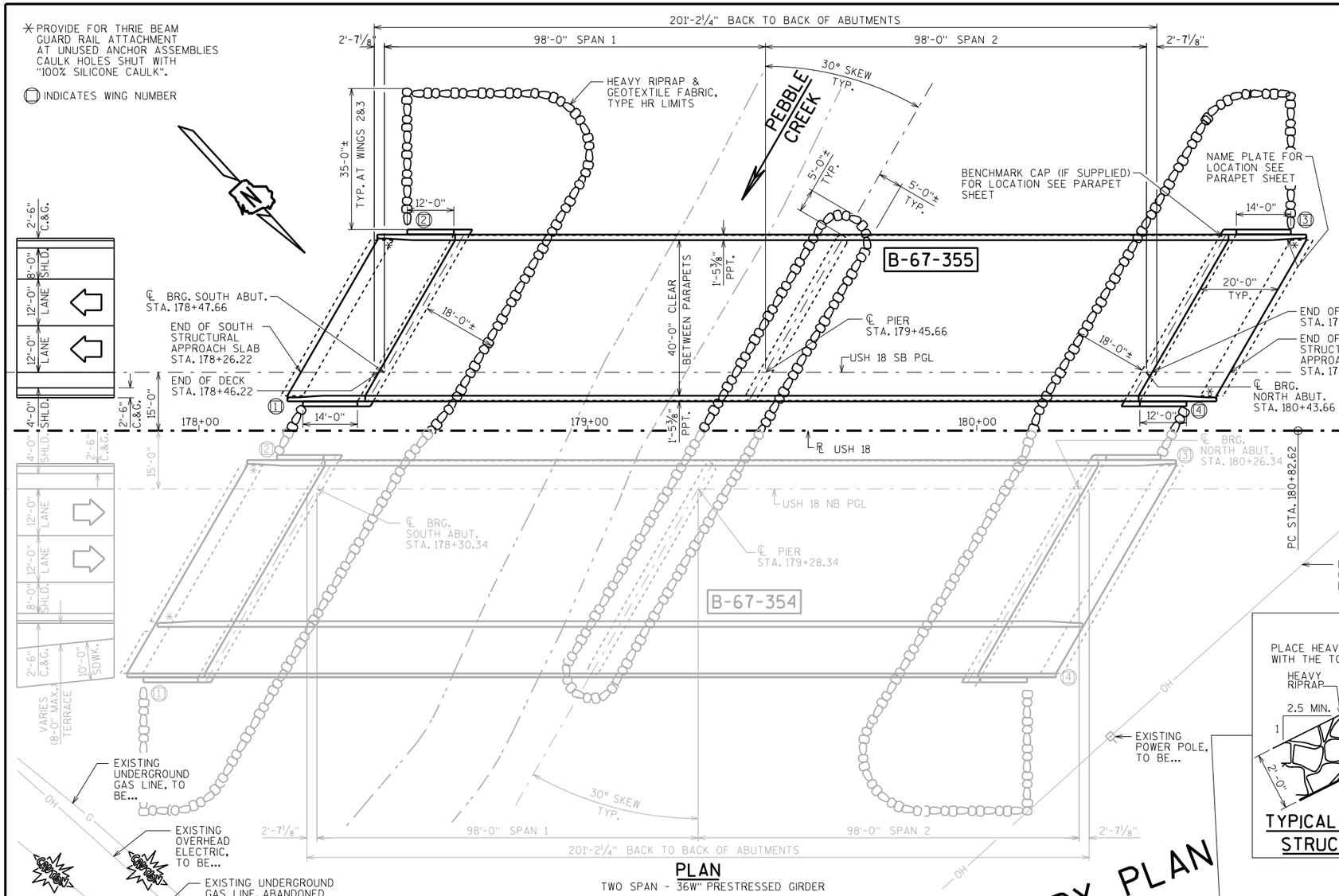
8

STATE PROJECT NUMBER

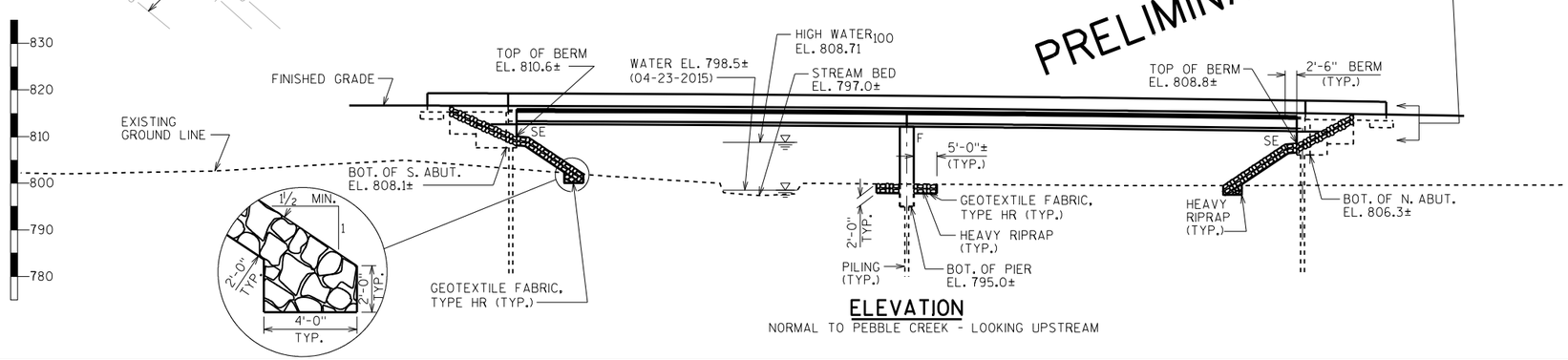
2788-00-71

✳ PROVIDE FOR THRIE BEAM GUARD RAIL ATTACHMENT AT UNUSED ANCHOR ASSEMBLIES CAULK HOLES SHUT WITH "100% SILICONE CAULK".

(1) INDICATES WING NUMBER



PLAN
TWO SPAN - 36W" PRESTRESSED GIRDER



ELEVATION
NORMAL TO PEBBLE CREEK - LOOKING UPSTREAM

PRELIMINARY PLAN

DESIGN DATA

LIVE LOAD:

DESIGN LOADING; HL-93
INVENTORY RATING FACTOR: RF=
OPERATING RATING FACTOR: RF=
WISCONSIN STANDARD PERMIT VEHICLE (WIS.-SPV): (KIPS)

STRUCTURE IS DESIGNED FOR A FUTURE WEARING SURFACE OF 20 POUNDS PER SQUARE FOOT.

MATERIAL PROPERTIES:

CONCRETE MASONRY:
DECK——f'c = 4,000 P.S.I.
ALL OTHER——f'c = 3,500 P.S.I.

BAR STEEL REINFORCEMENT, GRADE 60 ——fy = 60,000 P.S.I.
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36W" PRESTRESSED GIRDERS, CONCRETE MASONRY ——fy = 60,000 P.S.I.
STRANDS - 0.6" DIA. WITH ULTIMATE TENSILE STRENGTH OF 270,000 P.S.I.

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ESTIMATED _____ LONG.

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Q_2 = 350 C.F.S.
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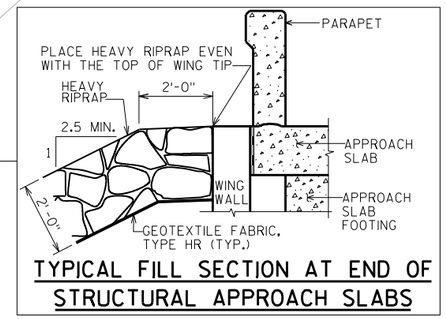

TYPICAL FILL SECTION AT END OF STRUCTURAL APPROACH SLABS

CURVE DATA

℞ USH 18

P.I. = 196+18.01
Δ = 75°-01'-36"
D = 02°-51'-53"
T = 1535.39'
L = 2618.92'
R = 2000.00'
P.C. = 180+82.62
P.T. = 207+01.54

TRAFFIC VOLUME

USH 18

A.D.T. = 21,100 (2037)
R.D.S. = 50 M.P.H.

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NO.	DATE	REVISION	BY

Plans Prepared By: **WISDOT**
BUREAU OF STRUCTURES

ACCEPTED _____ CHIEF STRUCTURES DESIGN ENGINEER _____ DATE

STRUCTURE B-67-355

USH 18 SOUTHBOUND OVER PEBBLE CREEK

COUNTY WAUKESHA | TOWN WAUKESHA

DESIGN SPEC. AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS

DESIGNED BY	ABS	DESIGN CK'D.	NAR	DRAWN BY	ABS/JPH	PLANS CK'D.	NAR

GENERAL PLAN

SHEET 1 OF 2

PRE_309

APPROVED FOR DESIGN ONLY SUBJECT TO UTILITY ADJUSTMENTS

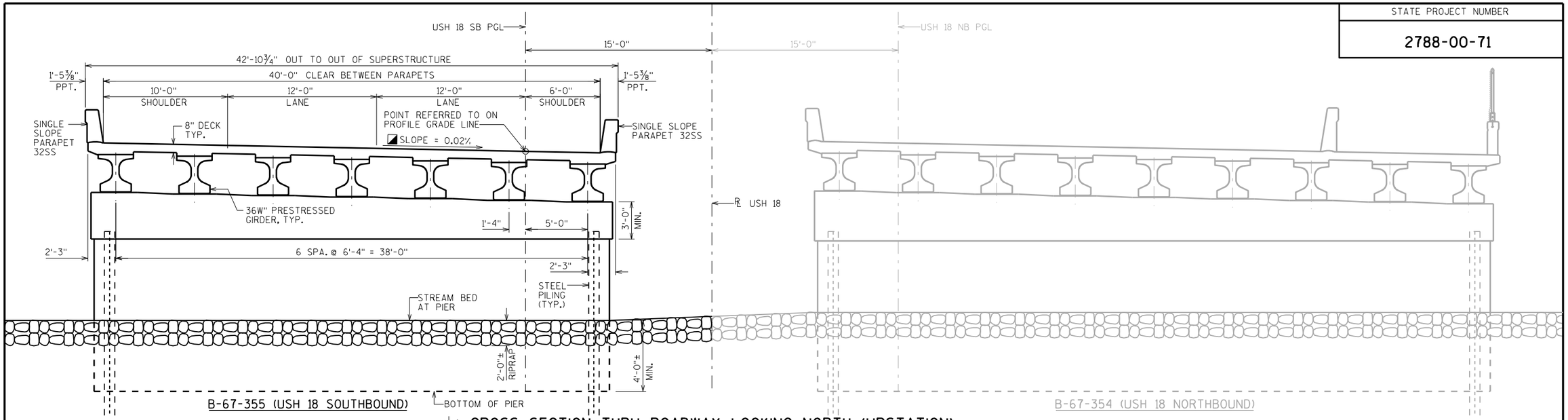
I.D. 2788-00-01F

DATE: FEB. 2016

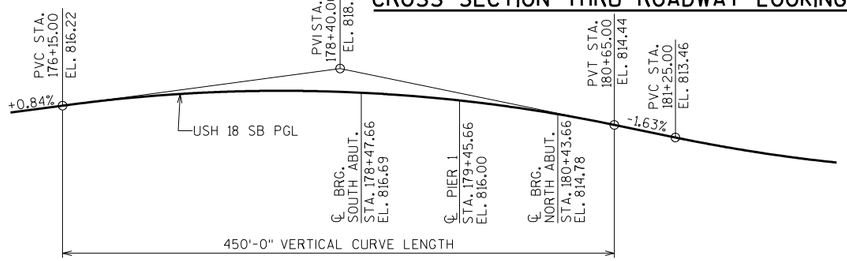
SCALE = 15

STATE PROJECT NUMBER

2788-00-71

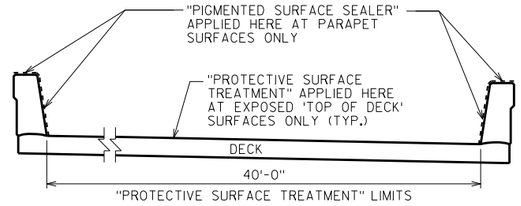


CROSS SECTION THRU ROADWAY LOOKING NORTH (UPSTATION)



PROFILE GRADE LINE - USH 18 SOUTHBOUND

◪ SLOPE VARIES AT END OF NORTH APPROACH SLAB.



SURFACE TREATMENT/SEALER LIMITS DETAIL

TOTAL ESTIMATED QUANTITIES

BID ITEM NUMBER	BID ITEMS	UNIT	SUPER.	SOUTH APPROACH	SOUTH ABUT.	PIER	NORTH ABUT.	NORTH APPROACH	TOTALS
206.1000	EXCAVATION FOR STRUCTURES BRIDGES B-67-355	LS	———	———	———	———	———	———	1
210.0100	BACKFILL STRUCTURE	CY							
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550.XXXX	PILING STEEL HP (SIZE)	LF							
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612.0406	PIPE UNDERDRAIN WRAPPED 6-INCH	LF							
614.0150	ANCHOR ASSEMBLIES FOR STEEL PLATE BEAM GUARD	EACH							
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	NON-BID ITEMS								
	FILLER	SIZE	———	———	———	———	———	———	½", ¾", 1½"

GENERAL NOTES

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BEVEL EXPOSED EDGES OF CONCRETE ¾" UNLESS OTHERWISE NOTED.

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APPROVED FOR DESIGN OF UTILITY ADJUSTMENTS

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-67-355

DRAWN BY ABS/JPH | PLANS CK'D. NAR

CROSS SECTION & QUANTITIES

SHEET 2

PRE_310

8

8

SCALE = 4

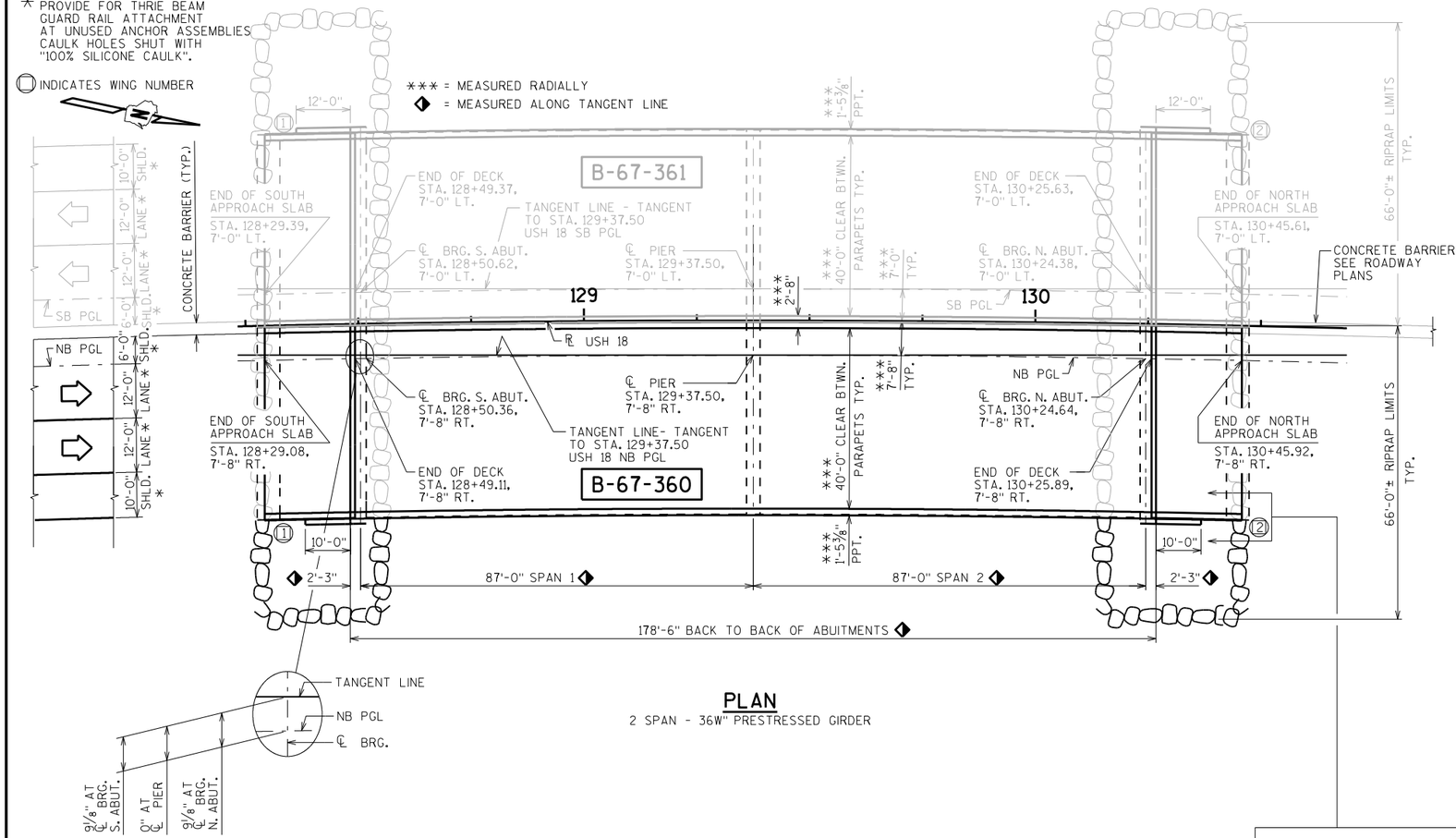
STATE PROJECT NUMBER
2788-00-71

✳ PROVIDE FOR THRIE BEAM GUARD RAIL ATTACHMENT AT UNUSED ANCHOR ASSEMBLIES CAULK HOLES SHUT WITH "100% SILICONE CAULK".

(1) INDICATES WING NUMBER

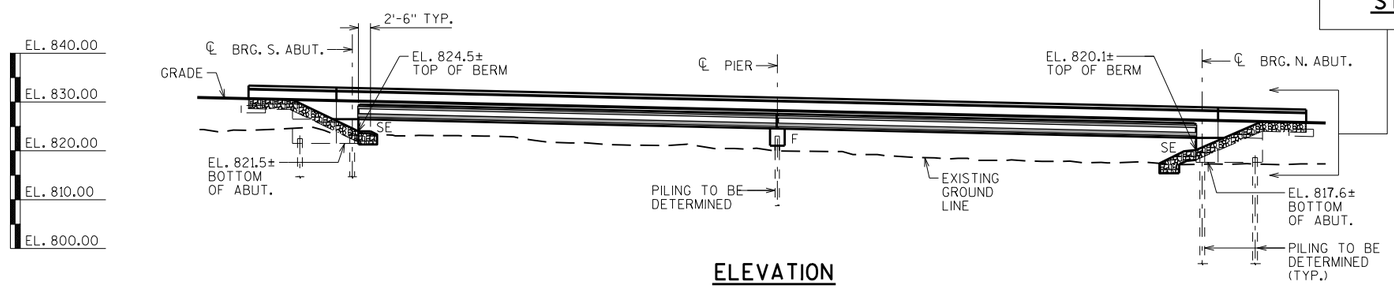
✳✳✳ = MEASURED RADIALLY

◆ = MEASURED ALONG TANGENT LINE

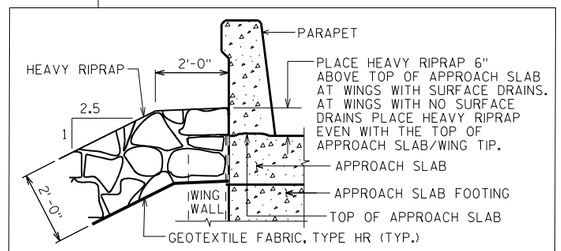


PLAN

2 SPAN - 36W" PRESTRESSED GIRDER



ELEVATION



TYPICAL FILL SECTION AT END OF STRUCTURAL APPROACH SLABS (TYP.)

DESIGN DATA

LIVE LOAD:

DESIGN LOADING; HL-93
INVENTORY RATING FACTOR: RF=
OPERATING RATING FACTOR: RF=
WISCONSIN STANDARD PERMIT VEHICLE (WIS.-SPV): (KIPS)

STRUCTURE IS DESIGNED FOR A FUTURE WEARING SURFACE OF 20 POUNDS PER SQUARE FOOT.

ULTIMATE DESIGN STRESSES:

CONCRETE MASONRY DECK — f'c = 4,000 P.S.I. ALL OTHER — f'c = 3,500 P.S.I.

BAR STEEL REINFORCEMENT, GRADE 60 — fy = 60,000 P.S.I.

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STRANDS- " DIA. WITH ULTIMATE TENSILE STRENGTH OF 270,000 P.S.I.

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AS DETERMINED BY THE MODIFIED GATES DYNAMIC FORMULA.
ESTIMATED _____ LONG.

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TRAFFIC VOLUME

USH 18
A.D.T.=17,300 (2037)
R.D.S.=50 M.P.H.

CURVE DATA

℄ USH 18
P.I. = 125+62.72
Δ = 21°-44'-49" RT
D = 1°-08'-45"
T = 960.46
L = 1897.77
R = 5000
S.E. = 2.0%
P.C. = 116+02.27
P.T. = 135+00.04

LIST OF DRAWINGS

1. GENERAL PLAN
2. CROSS SECTION & QUANTITIES
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PRELIMINARY PLAN

APPROVED FOR DESIGN OF UTILITY ADJUSTMENTS

STRUCTURE DESIGN CONTACT:
MATT COUPAR (608) 266-5083
AARON BONK (608) 261-0261

NO.	DATE	REVISION	BY

Plans Prepared By: WISDOT
BUREAU OF STRUCTURES

ACCEPTED _____ CHIEF STRUCTURES DESIGN ENGINEER DATE

STRUCTURE B-67-360

COUNTY WAUKESHA | TOWN/~~CITY/VILLAGE~~ WAUKESHA

DESIGN SPEC. AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS

DESIGNED BY	DESIGN CK'D.	DRAWN BY	PLANS CK'D.
MSC		DDS	

GENERAL PLAN

SHEET 1 OF 2

PRE_311

DATE: SEPT. 2015

I.D. 2788-00-01J

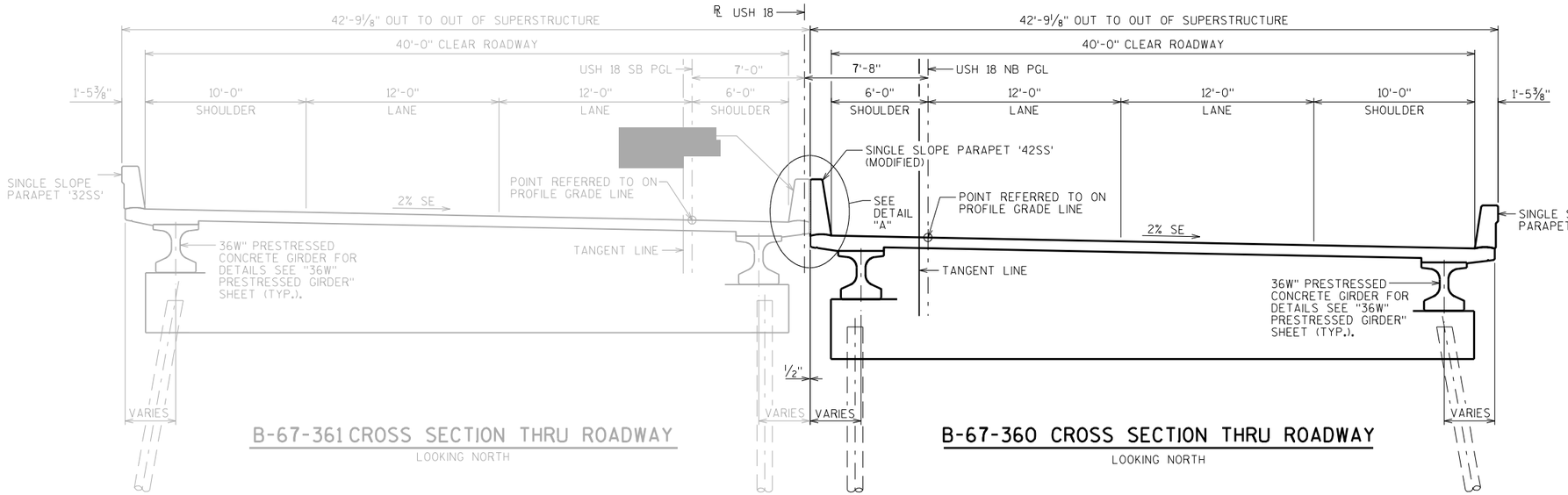
SCALE = 15

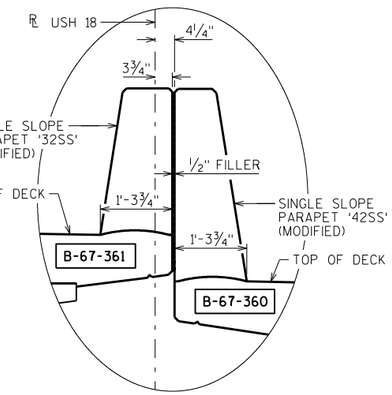
8

8

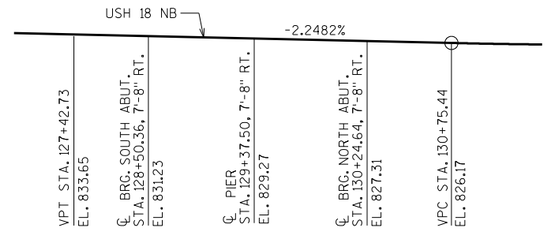
STATE PROJECT NUMBER

2788-00-71





DETAIL A



PROFILE GRADE LINE - USH 18 NB

TOTAL ESTIMATED QUANTITIES

BID ITEM NUMBER	BID ITEMS	UNIT	SUPER.	SOUTH APPROACH	SOUTH ABUT.	PIER	NORTH ABUT.	NORTH APPROACH	TOTALS
206.1000	EXCAVATION FOR STRUCTURES BRIDGES B-67-360	LS	———	———	———	———	———	———	1
210.0100	BACKFILL STRUCTURE	CY	———	———	———	———	———	———	
305.0120	BASE AGGREGATE DENSE 1 1/4-INCH	TON	———	———	———	———	———	———	
502.0100	CONCRETE MASONRY BRIDGES	CY	———	———	———	———	———	———	
502.3200	PROTECTIVE SURFACE TREATMENT	SY	———	———	———	———	———	———	
502.3210	PIGMENTED SURFACE SEALER	SY	———	———	———	———	———	———	
503.0137	PRESTRESSED GIRDER TYPE I 36W-INCH	LF	———	———	———	———	———	———	
505.0400	BAR STEEL REINFORCEMENT HS STRUCTURES	LB	———	———	———	———	———	———	
505.0600	BAR STEEL REINFORCEMENT HS COATED STRUCTURES	LB	———	———	———	———	———	———	
505.0800.S	BAR STEEL REINFORCEMENT HS STAINLESS STRUCTURES	LB	———	———	———	———	———	———	
506.2605	BEARING PADS ELASTOMERIC NON-LAMINATED	EACH	———	———	———	———	———	———	
506.4000	STEEL DIAPHRAGMS B-67-360	EACH	———	———	———	———	———	———	
516.0500	RUBBERIZED MEMBRANE WATERPROOFING	SY	———	———	———	———	———	———	
550.XXXX	PILING	LF	———	———	———	———	———	———	
606.0300	RIPRAP HEAVY	CY	———	———	———	———	———	———	
612.0406	PIPE UNDERDRAIN WRAPPED 6-INCH	LF	———	———	———	———	———	———	
614.0150	ANCHOR ASSEMBLIES FOR STEEL PLATE BEAM GUARD	EACH	———	———	———	———	———	———	
645.0120	GEOTEXTILE FABRIC TYPE HR	SY	———	———	———	———	———	———	
			———	———	———	———	———	———	
			———	———	———	———	———	———	
	NON-BID ITEMS								
	FILLER	SIZE	———	———	———	———	———	———	½" & ¾"

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

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

THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE.

AT THE BACKFACE OF ABUTMENT ALL VOLUME WHICH CANNOT BE PLACED BEFORE ABUTMENT CONSTRUCTION AND IS NOT OCCUPIED BY THE NEW STRUCTURE SHALL BE BACKFILLED WITH STRUCTURE BACKFILL.

ELASTOMERIC BEARING PADS NEED NOT BE INDIVIDUALLY MOLDED PROVIDED THE CUT EDGES ARE SMOOTH AND TRUE.

THE GRADATION OF THE STRUCTURE BACKFILL SHALL MEET THE REQUIREMENTS OF SECTION 209.2.2 OF THE STANDARD SPECIFICATIONS FOR GRADE 1 MATERIAL.

PROTECTIVE SURFACE TREATMENT TO BE APPLIED TO THE ENTIRE TOP OF DECK & APPROACH SLAB SURFACE.

PIGMENTED SURFACE SEALER TO BE APPLIED TO THE ENTIRE FRONT FACE AND THE TOP OF THE PARAPET, INCLUDING PARAPETS ON APPROACH SLABS.

AT ABUTMENTS, HP 12X53 STEEL PILING MAY BE USED IN LIEU OF HP 10X42 STEEL PILING. PAYMENT SHALL BE BASED ON BID PRICE FOR HP 10X42 STEEL PILING.

THE EXISTING GROUND LINE SHALL BE USED AS THE UPPER LIMITS OF EXCAVATION AT THE PIERS.

THE SLOPE OF THE FILL IN FRONT OF THE ABUTMENTS SHALL BE COVERED WITH HEAVY RIPRAP AND GEOTEXTILE FABRIC TYPE 'HR' TO THE EXTENT SHOWN ON SHEET 1 AND IN THE ABUTMENT DETAILS.

PRELIMINARY PLAN
APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-67-360

DRAWN BY DDS | PLANS CK'D.

CROSS SECTION & QUANTITIES | SHEET 2

PRE_312

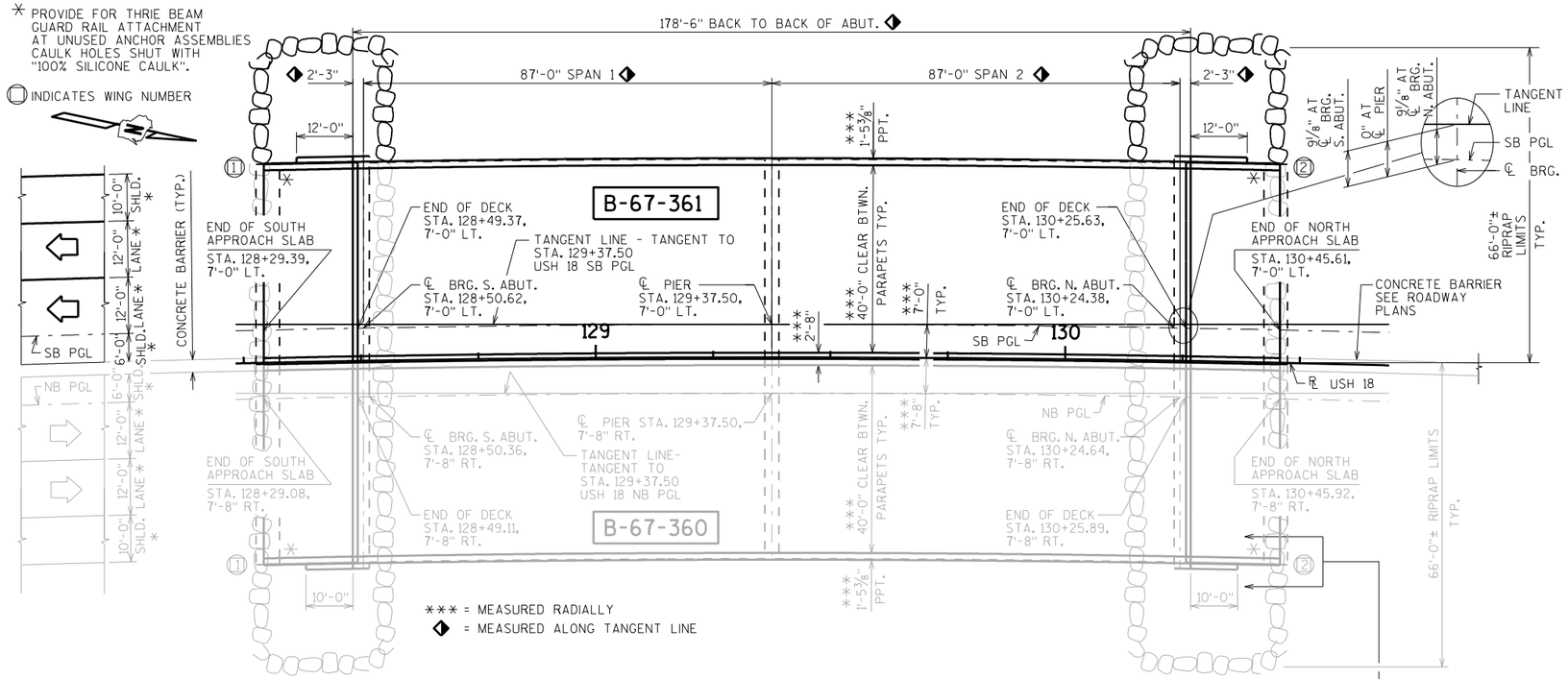
SCALE = 4

8

8

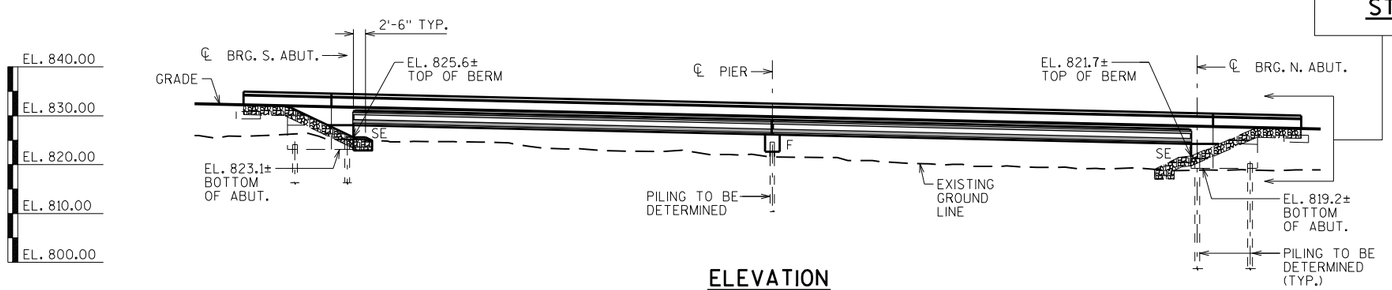
STATE PROJECT NUMBER

2788-00-71

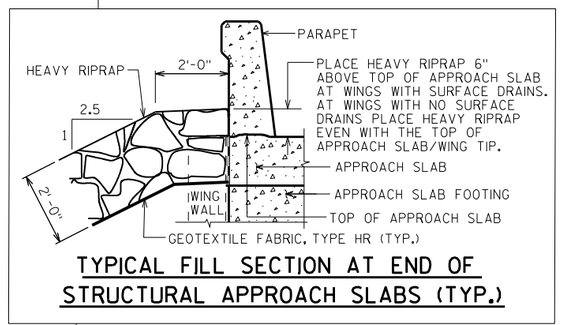


PLAN

2 SPAN - 36W" PRESTRESSED GIRDER



ELEVATION



TYPICAL FILL SECTION AT END OF STRUCTURAL APPROACH SLABS (TYP.)

DESIGN DATA

LIVE LOAD:

DESIGN LOADING; HL-93
INVENTORY RATING FACTOR: RF=
OPERATING RATING FACTOR: RF=
WISCONSIN STANDARD PERMIT VEHICLE (WIS.-SPV): (KIPS)

STRUCTURE IS DESIGNED FOR A FUTURE WEARING SURFACE OF 20 POUNDS PER SQUARE FOOT.

ULTIMATE DESIGN STRESSES:

CONCRETE MASONRY DECK — f'c = 4,000 P.S.I. ALL OTHER-f'c = 3,500 P.S.I.
BAR STEEL REINFORCEMENT, GRADE 60 — fy = 60,000 P.S.I.
36W" PRESTRESSED GIRDERS, CONCRETE MASONRY — f'c = _____ P.S.I.
STRANDS- " DIA. WITH ULTIMATE TENSILE STRENGTH OF 270,000 P.S.I.

FOUNDATION DATA

ABUTMENTS TO BE SUPPORTED ON PILING
DRIVEN TO A REQUIRED DRIVING RESISTANCE OF TONS ** PER PILE
AS DETERMINED BY THE MODIFIED GATES DYNAMIC FORMULA.
ESTIMATED _____ LONG.

PIER TO BE SUPPORTED ON PILING
DRIVEN TO A REQUIRED DRIVING RESISTANCE OF TONS ** PER PILE
AS DETERMINED BY THE MODIFIED GATES DYNAMIC FORMULA.
ESTIMATED _____ LONG.

** THE FACTORED AXIAL RESISTANCE OF PILES IN COMPRESSION USED FOR DESIGN IS THE REQUIRED DRIVING RESISTANCE MULTIPLIED BY A RESISTANCE FACTOR OF 0.5 USING MODIFIED GATES TO DETERMINE DRIVEN PILE CAPACITY.

TRAFFIC VOLUME

USH 18
A.D.T.=17,300 (2037)
R.D.S.=50 M.P.H.

CURVE DATA

℄ USH 18
P.I. = 125+62.72
Δ = 21°-44'-49" RT
D = 1°-08'-45"
T = 960.46
L = 1897.77
R = 5000
S.E. = 2.0%
P.C. = 116+02.27
P.T. = 135+00.04

LIST OF DRAWINGS

1. GENERAL PLAN
2. CROSS SECTION & QUANTITIES
3.
4.
5.
6.
7.
8.
9.
10.

PRELIMINARY PLAN

STRUCTURE DESIGN CONTACT:
MATT COUPAR (608) 266-5083
AARON BONK (608) 261-0261

NO.	DATE	REVISION	BY

Plans Prepared By: WISDOT
BUREAU OF STRUCTURES

ACCEPTED
CHIEF STRUCTURES DESIGN ENGINEER DATE

STRUCTURE B-67-361

COUNTY WAUKESHA
TOWN/~~CITY/VILLAGE~~ WAUKESHA

DESIGN SPEC. AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS

DESIGNED BY	MSC	DESIGN CK'D.		DRAWN BY	DDS	PLANS CK'D.	

GENERAL PLAN

SHEET 1 OF 2

PRE_313

I.D. 2788-00-01K

DATE: SEPT. 2015

SCALE = 15

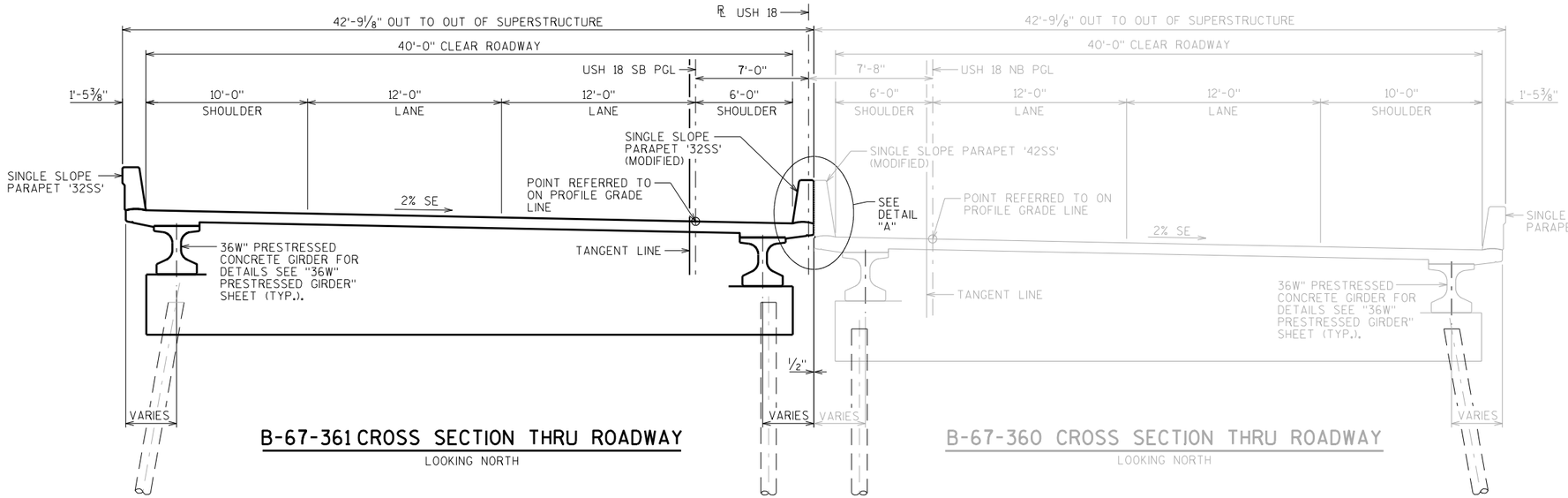
APPROVED FOR DESIGN ONLY UTILITY ADJUSTMENTS

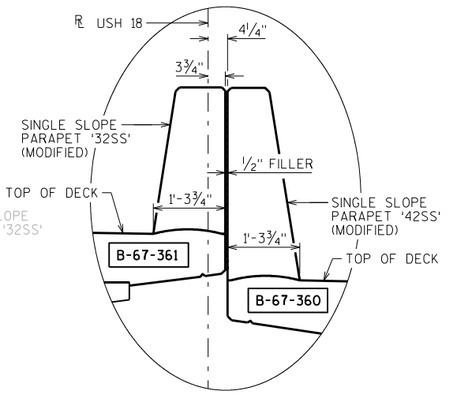
8

8

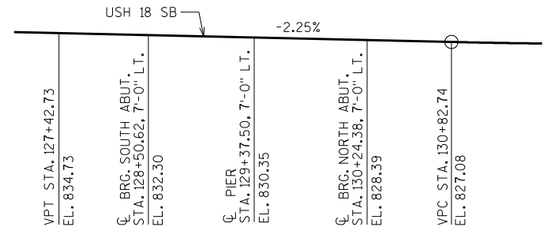
STATE PROJECT NUMBER

2788-00-71





DETAIL A



PROFILE GRADE LINE - USH 18 SB

TOTAL ESTIMATED QUANTITIES

BID ITEM NUMBER	BID ITEMS	UNIT	SUPER.	SOUTH APPROACH	SOUTH ABUT.	PIER	NORTH ABUT.	NORTH APPROACH	TOTALS
206.1000	EXCAVATION FOR STRUCTURES BRIDGES B-67-361	LS	———	———	———	———	———	———	1
210.0100	BACKFILL STRUCTURE	CY	———	———	———	———	———	———	
305.0120	BASE AGGREGATE DENSE 1 1/4-INCH	TON	———	———	———	———	———	———	
502.0100	CONCRETE MASONRY BRIDGES	CY	———	———	———	———	———	———	
502.3200	PROTECTIVE SURFACE TREATMENT	SY	———	———	———	———	———	———	
502.3210	PIGMENTED SURFACE SEALER	SY	———	———	———	———	———	———	
503.0137	PRESTRESSED GIRDER TYPE I 36W-INCH	LF	———	———	———	———	———	———	
505.0400	BAR STEEL REINFORCEMENT HS STRUCTURES	LB	———	———	———	———	———	———	
505.0600	BAR STEEL REINFORCEMENT HS COATED STRUCTURES	LB	———	———	———	———	———	———	
505.0800.S	BAR STEEL REINFORCEMENT HS STAINLESS STRUCTURES	LB	———	———	———	———	———	———	
506.2605	BEARING PADS ELASTOMERIC NON-LAMINATED	EACH	———	———	———	———	———	———	
506.4000	STEEL DIAPHRAGMS B-67-361	EACH	———	———	———	———	———	———	
516.0500	RUBBERIZED MEMBRANE WATERPROOFING	SY	———	———	———	———	———	———	
550.XXXX	PILING	LF	———	———	———	———	———	———	
606.0300	RIPRAP HEAVY	CY	———	———	———	———	———	———	
612.0406	PIPE UNDERDRAIN WRAPPED 6-INCH	LF	———	———	———	———	———	———	
614.0150	ANCHOR ASSEMBLIES FOR STEEL PLATE BEAM GUARD	EACH	———	———	———	———	———	———	
645.0120	GEOTEXTILE FABRIC TYPE HR	SY	———	———	———	———	———	———	
			———	———	———	———	———	———	
			———	———	———	———	———	———	
	NON-BID ITEMS								
	FILLER	SIZE	———	———	———	———	———	———	1/2" & 3/4"

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

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

THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE.

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ELASTOMERIC BEARING PADS NEED NOT BE INDIVIDUALLY MOLDED PROVIDED THE CUT EDGES ARE SMOOTH AND TRUE.

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PROTECTIVE SURFACE TREATMENT TO BE APPLIED TO THE ENTIRE TOP OF DECK & APPROACH SLAB SURFACE.

PIGMENTED SURFACE SEALER TO BE APPLIED TO THE ENTIRE FRONT FACE AND THE TOP OF THE PARAPET, INCLUDING PARAPETS ON APPROACH SLABS.

AT ABUTMENTS, HP 12X53 STEEL PILING MAY BE USED IN LIEU OF HP 10X42 STEEL PILING. PAYMENT SHALL BE BASED ON BID PRICE FOR HP 10X42 STEEL PILING.

THE EXISTING GROUND LINE SHALL BE USED AS THE UPPER LIMITS OF EXCAVATION AT THE PIERS.

THE SLOPE OF THE FILL IN FRONT OF THE ABUTMENTS SHALL BE COVERED WITH HEAVY RIPRAP AND GEOTEXTILE FABRIC TYPE 'HR' TO THE EXTENT SHOWN ON SHEET 1 AND IN THE ABUTMENT DETAILS.

PRELIMINARY PLAN
APPROVED FOR DESIGN OF UTILITY ADJUSTMENTS

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-67-361

DRAWN BY DDS | PLANS CK'D.

CROSS SECTION & QUANTITIES

SHEET 2

PRE_314

SCALE = 4

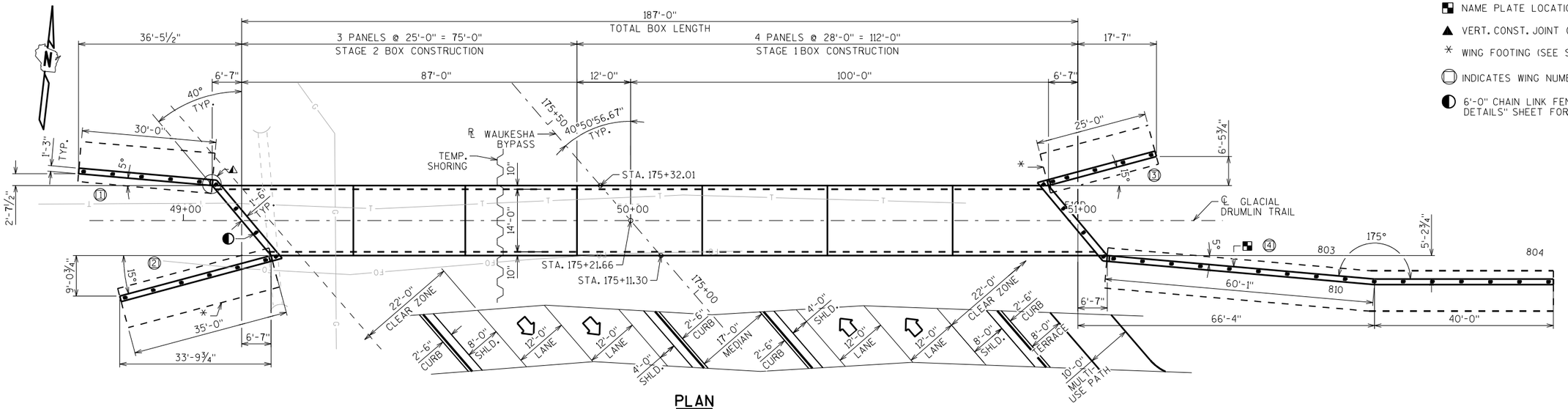
8

8

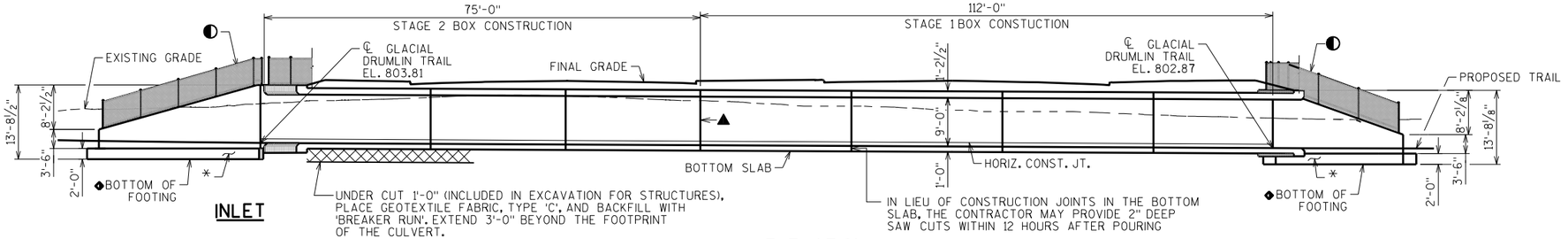
NOTE: STRUCTURE BACKFILL REQUIRED BEHIND ALL WING WALLS.

STATE PROJECT NUMBER
2788-00-71

- ▲ SEE CORNER DETAILS (SEE SHT X)
- ■ NAME PLATE LOCATION (SEE SHT X)
- ▲ VERT. CONST. JOINT (TYP.)
- * WING FOOTING (SEE SHT X)
- ⓝ INDICATES WING NUMBER
- ◐ 6'-0" CHAIN LINK FENCE, SEE "FENCING DETAILS" SHEET FOR DETAILS.



PLAN



INLET

UNDER CUT 1'-0" (INCLUDED IN EXCAVATION FOR STRUCTURES), PLACE GEOTEXTILE FABRIC, TYPE 'C', AND BACKFILL WITH 'BREAKER RUN'. EXTEND 3'-0" BEYOND THE FOOTPRINT OF THE CULVERT.

ELEVATION

IN LIEU OF CONSTRUCTION JOINTS IN THE BOTTOM SLAB, THE CONTRACTOR MAY PROVIDE 2" DEEP SAW CUTS WITHIN 12 HOURS AFTER POURING

OUTLET

PRELIMINARY PLAN

LIST OF DRAWINGS

1. PRELIMINARY PLAN 1
2. PRELIMINARY PLAN 2
3.
4.
5.
6.

◆FOOTING ELEVATION TABLE

LOCATION	ELEVATION
WING 1	XXX.XX
WING 2	XXX.XX
WING 3	XXX.XX
WING 4	XXX.XX

DESIGN DATA

LIVE LOAD:

DESIGN LOADING: HL-93
INVENTORY RATING FACTOR: RF=
OPERATING RATING FACTOR: RF=
WISCONSIN STANDARD PERMIT VEHICLE (WIS.-SPV): (KIPS)

EARTHLOAD: DESIGNED FOR 0.5 TO 3.0 FT. OF FILL.

MATERIAL PROPERTIES:

CONCRETE MASONRY, GRADE A-FA SLAB — f'c = 3,500 P.S.I.
BAR STEEL REINFORCEMENT, GRADE 60 — fy = 60,000 P.S.I.

TRAFFIC VOLUME

WAUKESHA BYPASS
A.D.T.=21,100 (2037)
R.D.S.=50 M.P.H.

TOTAL ESTIMATED QUANTITIES

BID ITEMS

206.2000	EXCAVATION FOR STRUCTURES CULVERTS C-67-88	---	LS
210.0100	BACKFILL STRUCTURE	---	CY
504.0100	CONCRETE MASONRY CULVERTS	---	CY
505.0400	BAR STEEL REINFORCEMENT HS STRUCTURES	---	LB
505.0600	BAR STEEL REINFORCEMENT HS COATED STRUCTURES	---	LB
516.0500	RUBBERIZED MEMBRANE WATERPROOFING	---	SY
516.0610.S	SHEET MEMBRANE WATERPROOFING FOR TOP SLAB C-67-88	---	SY
616.0206	FENCE CHAIN LINK 6-FT.	---	LF
645.0105	GEOTEXTILE FABRIC TYPE C	---	SY
652.0110	CONDUIT RIGID METALLIC 1-INCH	---	LF
652.0210	CONDUIT RIGID NONMETALLIC SCHEDULE 40 1-INCH	---	LF
653.0135	PULL BOXES STEEL 24X36-INCH	---	EACH
653.0220	JUNCTION BOXES 18X6X6-INCH	---	EACH
311.0115	BREAKER RUN	---	CY
659.1205	LUMINAIRES UNDERDECK LED A EACH	---	EACH
SPV.0060	JUNCTION BOXES 4X4X4-INCH	---	EACH

NON-BID ITEMS

FILLER	3/4"	SIZE

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

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

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

ALL SPACES EXCAVATED AND NOT OCCUPIED BY THE NEW STRUCTURE SHALL BE BACKFILLED WITH STRUCTURE BACKFILL TO THE TOP OF THE BOX WITHIN THE LENGTH OF THE CULVERT.

PLACE A 18" (MIN.) WIDE SHEET OF 'RUBBERIZED MEMBRANE WATERPROOFING' ON TOP SLAB OVER ALL CONSTRUCTION JOINTS AND EXTEND DOWN TO BOTTOM OF OUTSIDE WALLS.

THE CONTRACTOR MAY FURNISH A PRECAST CONCRETE BOX CULVERT IN LIEU OF THE CAST-IN-PLACE BOX CULVERT WITH THE ACCEPTANCE OF THE SHOP DRAWINGS BY THE STRUCTURES DESIGN SECTION. THE PRECAST CONCRETE BOX CULVERT SHALL CONFORM TO PRECAST DETAILS ON CHAPTER 36 STANDARDS OF THE CURRENT WISC. DOT BRIDGE MANUAL. PAYMENT FOR THE PRECAST CULVERT SHALL BE BASED ON THE QUANTITIES AND PRICES BID FOR THE ITEMS LISTED IN THE "TOTAL ESTIMATED QUANTITIES".

CONTRACTOR MAY ELECT TO SUBSTITUTE #1 OR #2 CONCRETE COARSE AGGREGATE, SELECT CRUSHED MATERIAL OR OTHER GRANULAR MATERIAL AS APPROVED BY THE FIELD ENGINEER, IN LIEU OF THE BREAKER RUN, TO BE UTILIZED AS A CONSTRUCTION PLATFORM FOR THE BOX. THE CONTRACTOR IS RESPONSIBLE FOR BASE STABILITY WITH ANY SUBSTITUTED MATERIAL.

STRUCTURE DESIGN CONTACTS:
STEVE DOOCY (608) 261-6066
AARON BONK (608) 261-0261

APPROVED FOR DESIGN ONLY
CONTRACTOR RESPONSIBLE FOR ALL QUANTITY ADJUSTMENTS

NO.	DATE	REVISION	BY

Plans Prepared By: WISDOT
BUREAU OF STRUCTURES

ACCEPTED _____ CHIEF STRUCTURES DESIGN ENGINEER _____ DATE

STRUCTURE C-67-88

WAUKESHA BYPASS OVER GLACIAL DRUMLIN TRAIL

COUNTY: WAUKESHA | ~~TOWN/CITY/VILLAGE~~: WAUKESHA

DESIGN SPEC.: AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS

DESIGNED BY	SAD	DESIGN CK'D.	NAR	DRAWN BY	SAD	PLANS CK'D.	

PRELIMINARY PLAN 1

SHEET 1 OF 2

PRE_315

I.D. 2788-00-01H

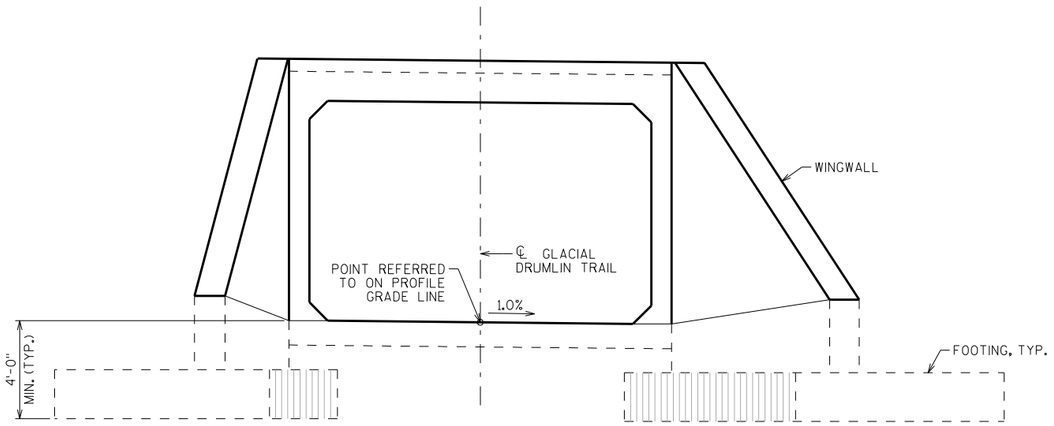
DATE: OCT 2015

SCALE = 10.0

8

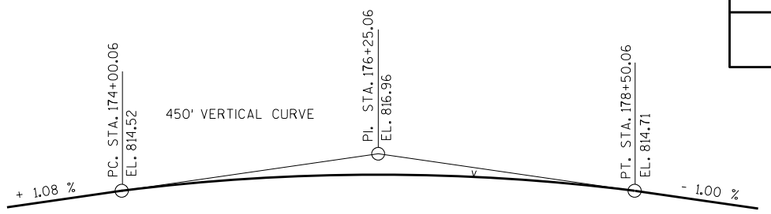
8

STATE PROJECT NUMBER
2788-00-71



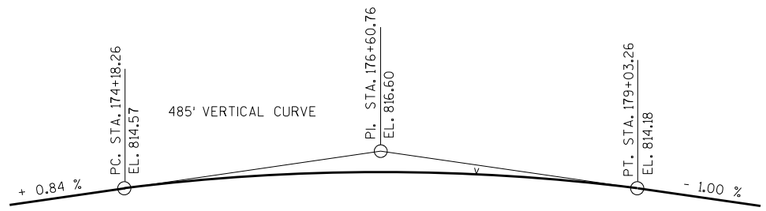
ELEVATION AT WINGWALLS

LOOKING UPSTATION
FENCE NOT SHOWN FOR CLARITY



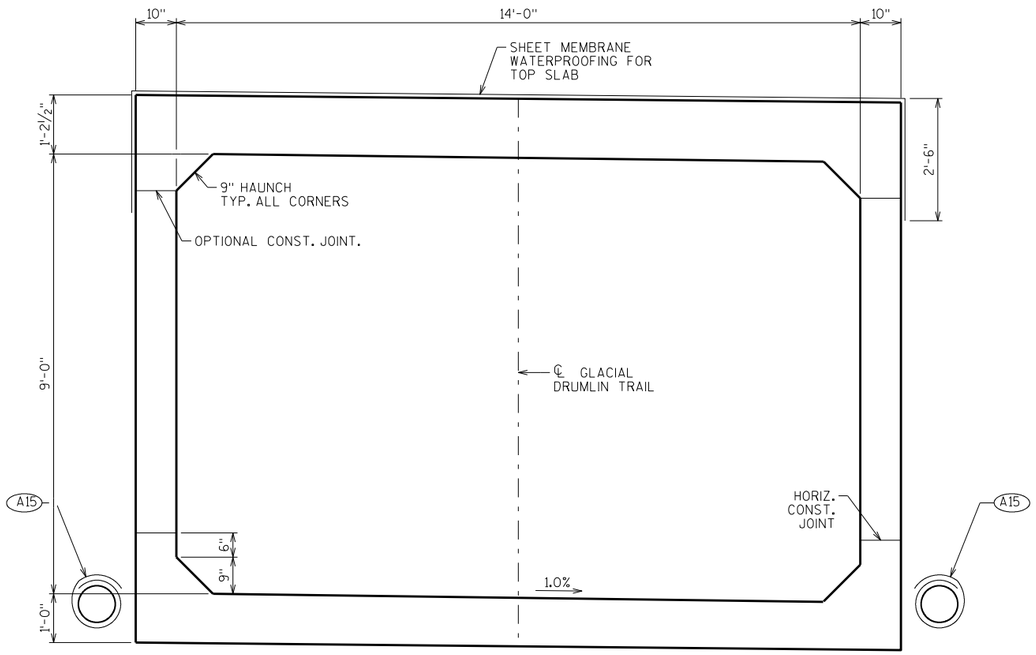
PROFILE GRADE LINE NB BYPASS

FOR INFORMATION ONLY



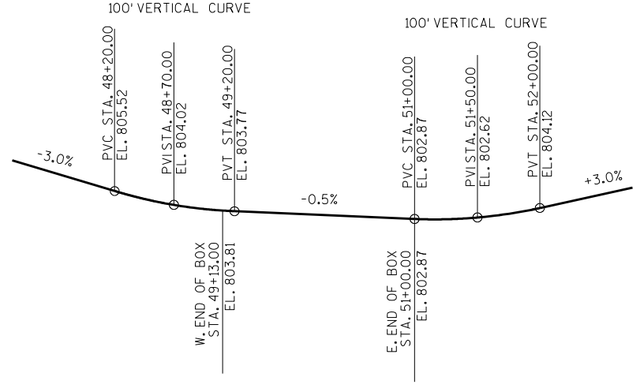
PROFILE GRADE LINE SB BYPASS

FOR INFORMATION ONLY



TYPICAL SECTION THRU BOX

LOOKING EAST



PROFILE GRADE LINE GLACIAL DRUMLIN TRAIL

PRELIMINARY PLAN

APPROVED FOR DESIGN OF UTILITY ADJUSTMENTS

(A15) PIPE UNDERDRAIN WRAPPED (6-INCH). SLOPE 0.5% MIN. TO SUITABLE DRAINAGE. RODENT SHIELD REQUIRED.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE C-67-88

DRAWN BY SAD | PLANS CK'D.

PRELIMINARY PLAN 2

SHEET 2

PRE_316

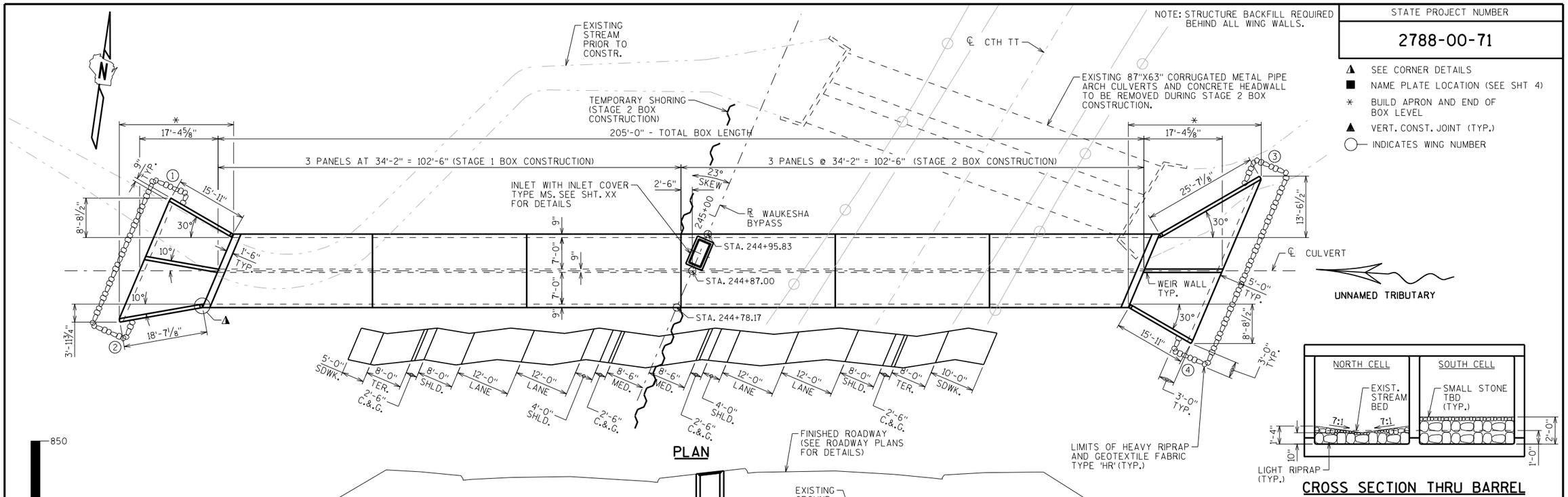
SCALE = 3.0

8

8

STATE PROJECT NUMBER
2788-00-71

- ◭ SEE CORNER DETAILS
- ■ NAME PLATE LOCATION (SEE SHT 4)
- * BUILD APRON AND END OF BOX LEVEL
- ▲ VERT. CONST. JOINT (TYP.)
- ◯ INDICATES WING NUMBER



LIST OF DRAWINGS

1. LAYOUT
2. BOX DETAILS
3. APRON DETAILS
4. DETAILS
5. SUBSURFACE EXPLORATION

DESIGN DATA

LIVE LOAD:

DESIGN LOADING: HL-93
INVENTORY RATING FACTOR: RF=1.05
OPERATING RATING FACTOR: RF=1.35
WISCONSIN STANDARD PERMIT VEHICLE (WIS.-SPV): 255 (KIPS)

EARTHLOAD: DESIGNED FOR 6.0 FT. - 10.0 FT. OF FILL.

ULTIMATE DESIGN STRESSES:

CONCRETE MASONRY, GRADE A-FA — f'_c = 3500 P.S.I.
HIGH STRENGTH BAR STEEL REINFORCEMENT — f_y = 60000 P.S.I.

TRAFFIC VOLUME

WAUKESHA BYPASS
A.D.T. = 21,100 (2037)
R.D.S. = 50 M.P.H.

HYDRAULIC DATA

100 YEAR FREQUENCY	2 YEAR FREQUENCY
Q_{100} = 170 C.F.S.	Q_2 = 55 C.F.S.
VEL. = 5.9 F.P.S.	HW. = EL. 836.23
HW. = EL. 837.47	

DRAINAGE AREA = 2.15 SQ. MI.
OVERTOPPING RDWY. = N/A

TOTAL ESTIMATED QUANTITIES

BID ITEMS

206.2000	EXCAVATION FOR STRUCTURES CULVERTS C-67-91	1	LS
210.0100	BACKFILL STRUCTURE		CY
311.0115	BREAKER RUN		CY
504.0100	CONCRETE MASONRY CULVERTS		CY
505.0400	BAR STEEL REINFORCEMENT HS STRUCTURES		LB
505.0600	BAR STEEL REINFORCEMENT HS COATED STRUCTURES		LB
511.1200	TEMPORARY SHORING C-67-91		SF
516.0500	RUBBERIZED MEMBRANE WATERPROOFING		SY
606.0100	RIPRAP LIGHT		CY
606.0300	RIPRAP HEAVY		CY
611.0642	INLET COVERS TYPE MS		EACH
645.0105	GEOTEXTILE FABRIC TYPE C		SY
645.0120	GEOTEXTILE FABRIC TYPE HR		SY

NON-BID ITEMS

FILLER	3/4"	SIZE
BRIDGE SEAT PROTECTION	1	LS

ALL ITEMS ARE CATEGORY XXXX

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

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

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

ALL SPACES EXCAVATED AND NOT OCCUPIED BY THE NEW STRUCTURE SHALL BE BACKFILLED WITH STRUCTURE BACKFILL TO THE TOP OF THE BOX WITHIN THE LENGTH OF THE CULVERT.

THE CONCRETE IN THE CUTOFF WALLS MAY BE PLACED UNDERWATER IF THE EXCAVATION CANNOT BE DEWATERED.

PLACE A 18" (MIN.) WIDE SHEET OF 'RUBBERIZED MEMBRANE WATERPROOFING' ON TOP SLAB OVER ALL CONSTRUCTION JOINTS AND EXTEND DOWN TO BOTTOM OF OUTSIDE WALLS.

THE CONTRACTOR MAY FURNISH A PRECAST CONCRETE BOX CULVERT IN LIEU OF THE CAST-IN-PLACE BOX CULVERT WITH THE ACCEPTANCE OF THE SHOP DRAWINGS BY THE STRUCTURES DESIGN SECTION. THE PRECAST CONCRETE BOX CULVERT SHALL CONFORM TO PRECAST DETAILS ON CHAPTER 36 STANDARDS OF THE CURRENT WISC. DOT BRIDGE MANUAL. PAYMENT FOR THE PRECAST CULVERT SHALL BE BASED ON THE QUANTITIES AND PRICES BID FOR THE ITEMS LISTED IN THE "TOTAL ESTIMATED QUANTITIES".

CONTRACTOR MAY ELECT TO SUBSTITUTE #1 OR #2 CONCRETE COARSE AGGREGATE, SELECT CRUSHED MATERIAL OR OTHER GRANULAR MATERIAL AS APPROVED BY THE FIELD ENGINEER, IN LIEU OF THE BREAKER RUN, TO BE UTILIZED AS A CONSTRUCTION PLATFORM FOR THE BOX. THE CONTRACTOR IS RESPONSIBLE FOR BASE STABILITY WITH ANY SUBSTITUTED MATERIAL.

APPLY BRIDGE SEAT PROTECTION TO ALL INSIDE FACES OF INLET AND TO THE BOTTOM OF THE TOP SLAB AS SHOWN ON SHEET XX.

STRUCTURE DESIGN CONTACTS:
NICK RICE (608) 266-5092
AARON BONK (608) 261-0261

NO.	DATE	REVISION	BY

Plans Prepared By: **WISDOT**
BUREAU OF STRUCTURES

ACCEPTED _____ _____
CHIEF STRUCTURES DESIGN ENGINEER — DATE

STRUCTURE C-67-91

WAUKESHA BYPASS OVER UNNAMED CREEK

COUNTY	TOWN/CITY/VILLAGE
WAUKESHA	WAUKESHA

DESIGN SPEC.
AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS

DESIGNED BY	DESIGN CK'D.	DRAWN BY	PLANS CK'D.
MAA	NAR	NAR	

LAYOUT — SHEET 1 OF

PRE_317

APPROVED FOR DESIGN UTILITY ADJUSTMENTS

I.D. 2788-00-01

DATE: JULY 2015

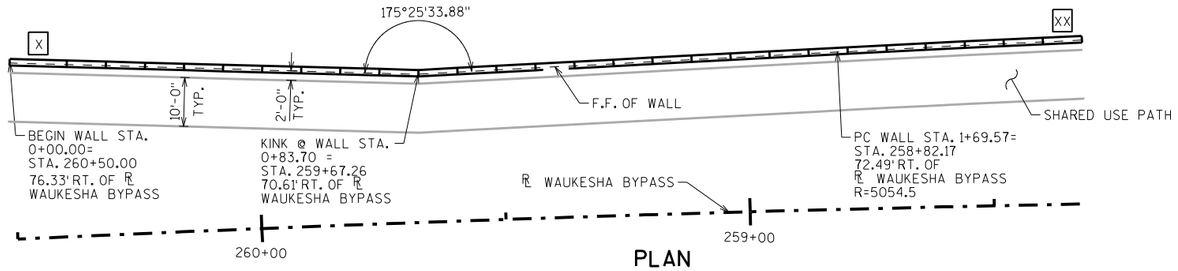
SCALE = 11

8

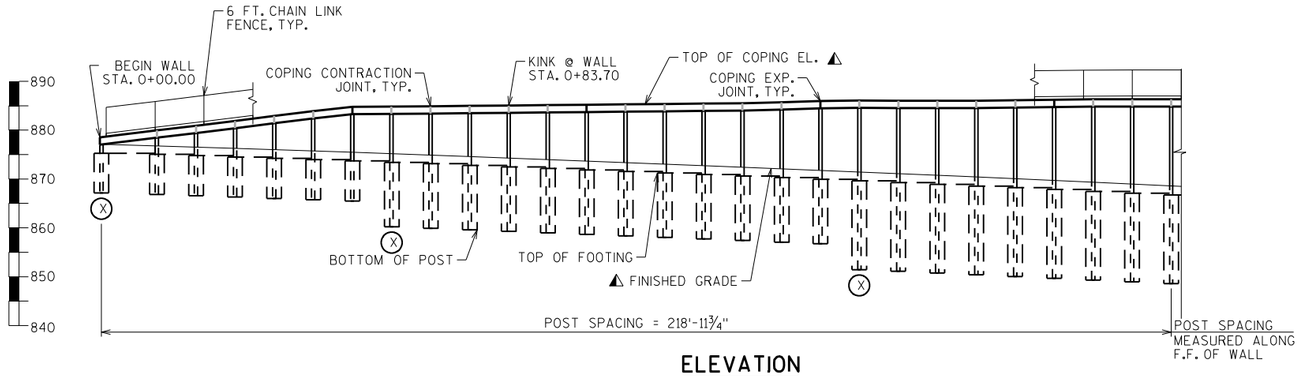
8

STATE PROJECT NUMBER

2788-00-71

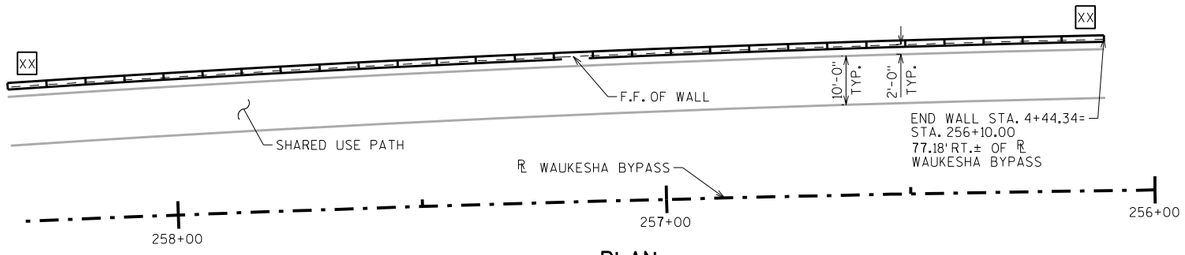


PLAN

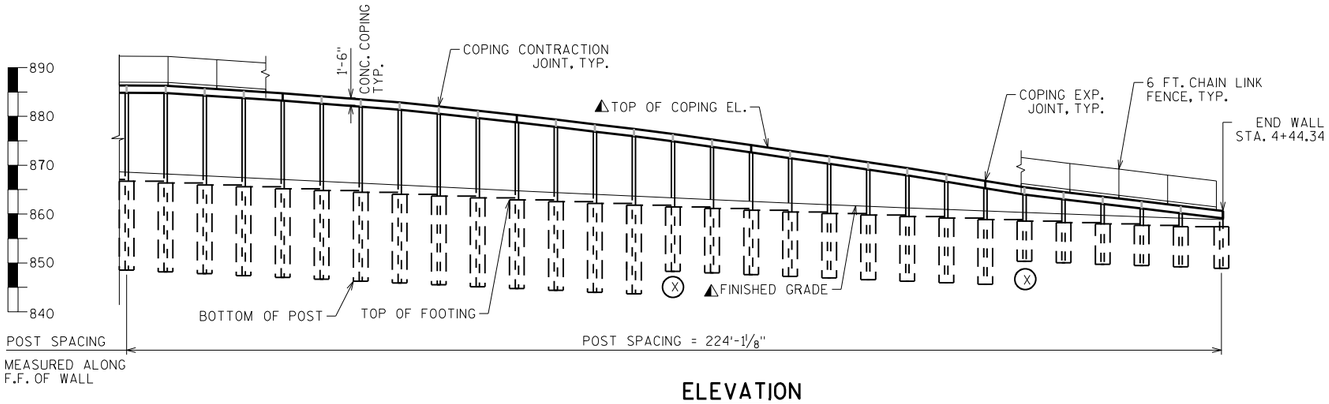


ELEVATION

LOOKING AT F.F. OF WALL



PLAN



ELEVATION

LOOKING AT F.F. OF WALL

DESIGN DATA

MATERIAL PROPERTIES:

CONCRETE MASONRY — PRECAST PANELS — f'c = 4,000 P.S.I.
CONCRETE MASONRY — ALL OTHER — f'c = 3,500 P.S.I.
BAR STEEL REINFORCEMENT, GRADE 60 — fy = 60,000 P.S.I.
HIGH STRENGTH STRUCTURAL STEEL ASTM A709 GRADE 50 — fy = 50,000 P.S.I.

CURVE DATA

WAUKESHA BYPASS

P.I. = STA. 255+87.62
Δ = 14°06'52"
D = 0°42'58"
T = 990.38'
L = 1970.74'
R = 8000'
P.C. = STA. 245+97.23
P.T. = STA. 265+67.97

TOTAL ESTIMATED QUANTITES

BID ITEM NUMBER	BID ITEMS	UNIT	TOTALS
206.3000	EXCAVATION FOR STRUCTURES RETAINING WALLS R-67-129	LS	
210.0100	BACKFILL STRUCTURE	CY	
504.0500	CONCRETE MASONRY RETAINING WALLS	CY	
505.0600	BAR STEEL REINFORCEMENT HS COATED STRUCTURES	LB	
506.0605	STRUCTURAL STEEL HS	LB	
516.0500	RUBBERIZED MEMBRANE WATERPROOFING	SY	
517.0600	PAINTING EPOXY SYSTEM R-67-129	LS	
612.0406	PIPE UNDERDRAIN WRAPPED 6-INCH	LF	
SPV.0080	FENCE CHAIN LINK POLYMER COATED 6-FT	LF	
SPV.0090	FOUNDATION DRILLING -INCH DIAMETER	LF	
SPV.0165	PRECAST PANELS FOR POST AND PANEL WALLS	SF	
	NON-BID ITEMS		
	JOINT FILLER	SIZE	½" & ¾"
	EXPANDED POLYSTYRENE	SIZE	1"

PRELIMINARY PLAN

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

BEVEL ALL EXPOSED EDGES OF CONCRETE ¾" UNLESS OTHERWISE NOTED.

BAR STEEL REINFORCEMENT SHALL HAVE 2" CLEAR COVER UNLESS OTHERWISE SHOWN OR NOTED.

ALL BAR STEEL REINFORCEMENT IN CAST-IN-PLACE CONCRETE IS TO BE EPOXY COATED.

SEAL ALL EXPOSED HORIZONTAL AND VERTICAL SURFACES OF JOINT FILLER WITH NON-STAINING GRAY NON-BITUMINOUS JOINT SEALER (1" DEEP & HOLD 1/8" BELOW THE SURFACE OF CONCRETE).

ALL WALL STATIONING AND OFFSETS ARE GIVEN AT THE FRONT FACE OF WALL R-67-129.

THE EXISTING GROUND LINE IS THE UPPER LIMITS OF EXCAVATION FOR STRUCTURES.

THE PLAN QUANTITY FOR THE BID ITEM "PRECAST PANELS FOR POST AND PANEL WALLS" IS BASED ON A WALL HEIGHT MEASURED FROM THE TOP OF THE WALL TO A CONSTANT DEPTH OF X'-X" BELOW THE FINISHED GRADE.

LIST OF DRAWINGS

1. GENERAL PLAN
2. WALL DATA & DETAILS
3.
4.
5.

▲ SEE 'WALL DATA TABLE' ON "WALL DATA & DETAILS" SHEET

□ INDICATES PANEL NO.

◯ INDICATES POST NO.

STRUCTURE DESIGN CONTACTS:

MAX KULICK (608) 261-6108
AARON BONK (608) 261-0261

NO.	DATE	REVISION	BY

Plans Prepared By: WISDOT
BUREAU OF STRUCTURES

ACCEPTED _____ CHIEF STRUCTURES DESIGN ENGINEER _____ DATE

STRUCTURE R-67-129

SOLDIER PILE WALL ALONG WAUKESHA BYPASS

COUNTY: WAUKESHA — ~~TOWN~~/CITY/~~VILLAGE~~: WAUKESHA

DESIGN SPEC.: AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS

DESIGNED BY	DESIGN CK'D.	DRAWN BY	PLANS CK'D.
MJK	MSC	MJK	MSC

GENERAL PLAN

SHEET 1 OF

PRE_318

APPROVED FOR DESIGN ONLY ADJUSTMENTS

I.D. 2788-00-01G

DATE: AUG 2015

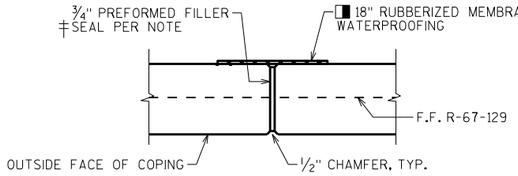
SCALE = 15

8

8

STATE PROJECT NUMBER

2788-00-71

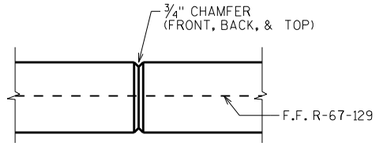


COPING EXPANSION JOINT

DO NOT RUN BAR STEEL THRU JOINT.
MAX. SPACING OF JOINT = 50'

‡ SEAL ALL EXPOSED HORIZ. & VERT. SURFACES OF FILLER WITH NON-STAINING GRAY NON-BITUMINOUS JOINT SEALER. (1" DEEP AND HOLE ⅛" BELOW SURFACE OF CONC.)

MEMBRANE WATERPROOFING TO EXTEND FROM TOP OF COPING TO 6" BELOW TOP OF PANELS.

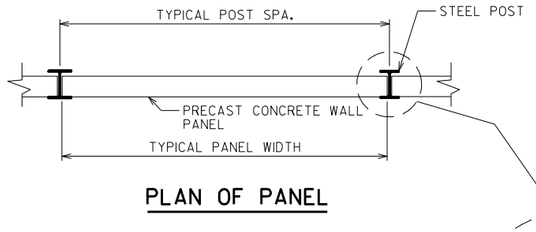


COPING CONTRACTION JOINT

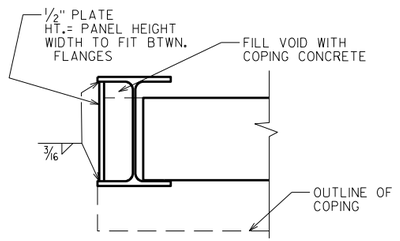
DO NOT RUN BAR STEEL THRU JOINT.
MAX. SPACING OF JOINT = 12'

WALL DATA TABLE

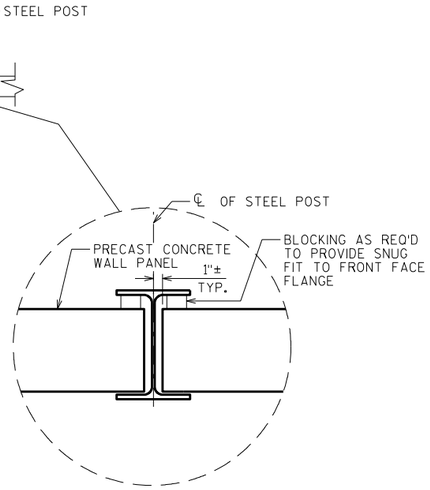
WALL STATION	℄ WAUKESHA BYPASS STATION	OFFSET TO F.F. WALL	TOP OF COPING ELEV.	FINISHED GRADE ELEV.
0+00.00	260+50.00	76.33' RT	878.53	877.13
0+25.30	260+25.00	74.51' RT	881.59	876.34
0+50.59	260+00.00	72.77' RT	884.77	875.50
0+75.87	259+75.00	71.11' RT	884.96	874.60
0+83.70	259+67.26	70.61' RT	885.02	874.28
1+01.11	259+50.00	70.92' RT	885.15	873.61
1+26.34	259+25.00	71.43' RT	885.34	872.62
1+51.57	259+00.00	72.02' RT	886.06	871.61
1+76.80	258+75.00	72.69' RT	885.98	870.53
2+02.04	258+50.00	73.34' RT	886.28	869.41
2+27.28	258+25.00	73.94' RT	886.32	868.23
2+52.52	258+00.00	74.50' RT	884.66	867.03
2+77.75	257+75.00	75.00 RT	882.71	865.83
3+02.99	257+50.00	75.47' RT	879.88	864.63
3+28.23	257+25.00	75.88' RT	876.89	863.46
3+53.47	257+00.00	76.25' RT	873.27	862.36
3+78.72	256+75.00	76.57' RT	869.60	861.31
4+03.96	256+50.00	76.84' RT	865.43	860.33
4+29.20	256+25.00	77.07' RT	862.46	859.40
4+44.34	256+10.00	77.18' RT	860.61	858.89



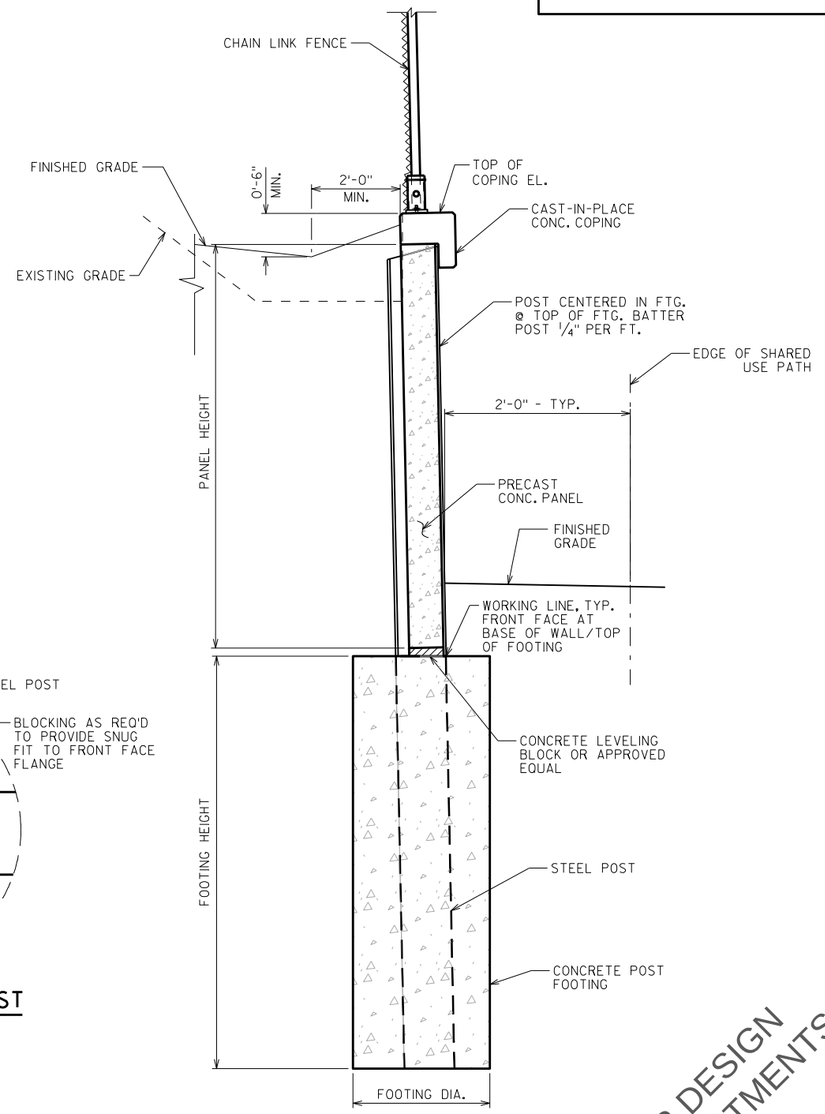
PLAN OF PANEL



POST DETAIL AT BEGIN/END OF WALL



PANEL DETAIL AT POST



SECTION THRU WALL

APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE R-67-129

DRAWN BY MJK | PLANS CK'D. MSC

WALL DATA & DETAILS

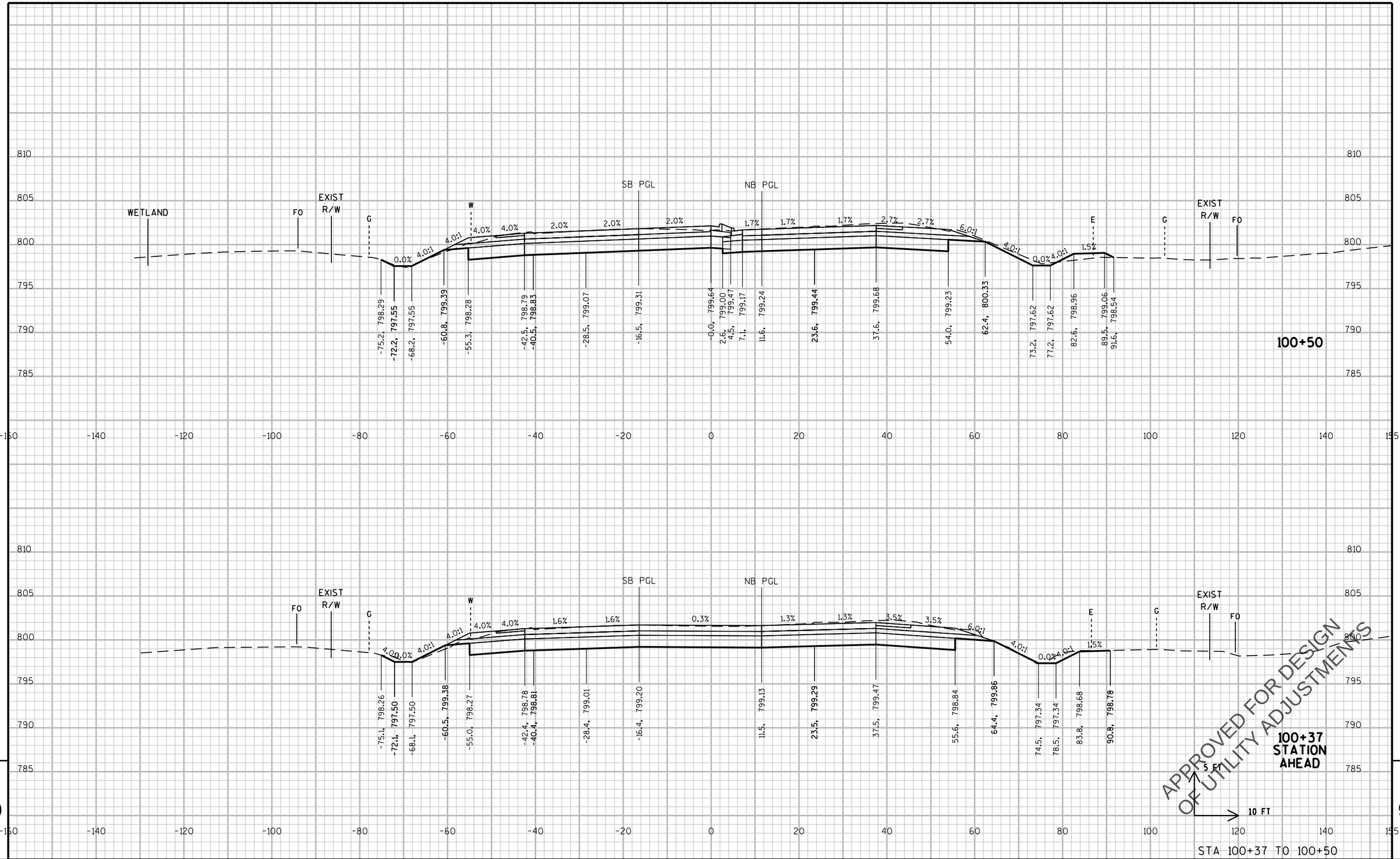
SHEET 2

PRE_319

SCALE = 10.66562

8

8



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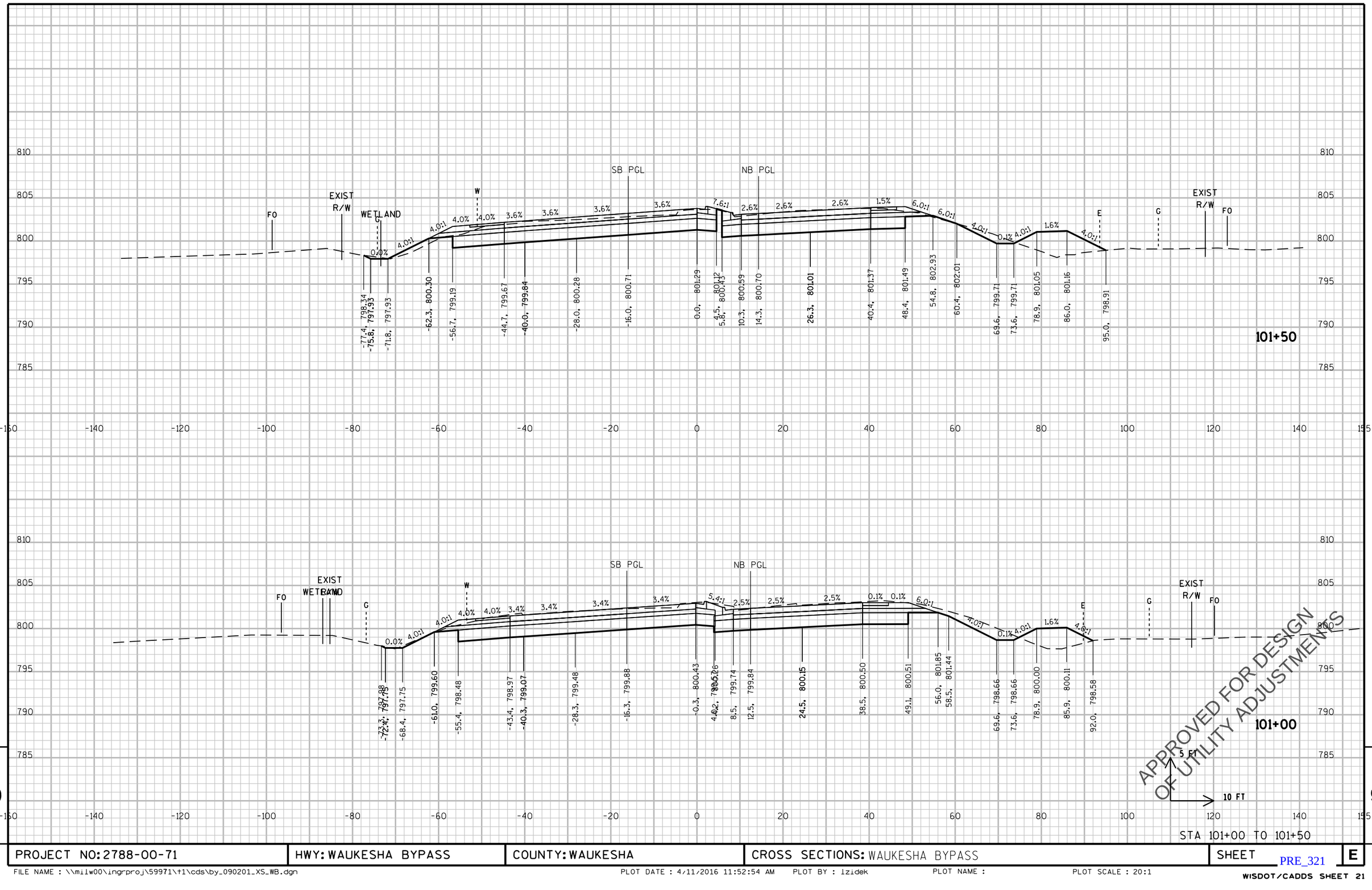
PRE_320

WISDOT/CADDS SHEET 21



STA 101+00 TO 101+50

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: WAUKESHA BYPASS	SHEET E

PRE_321

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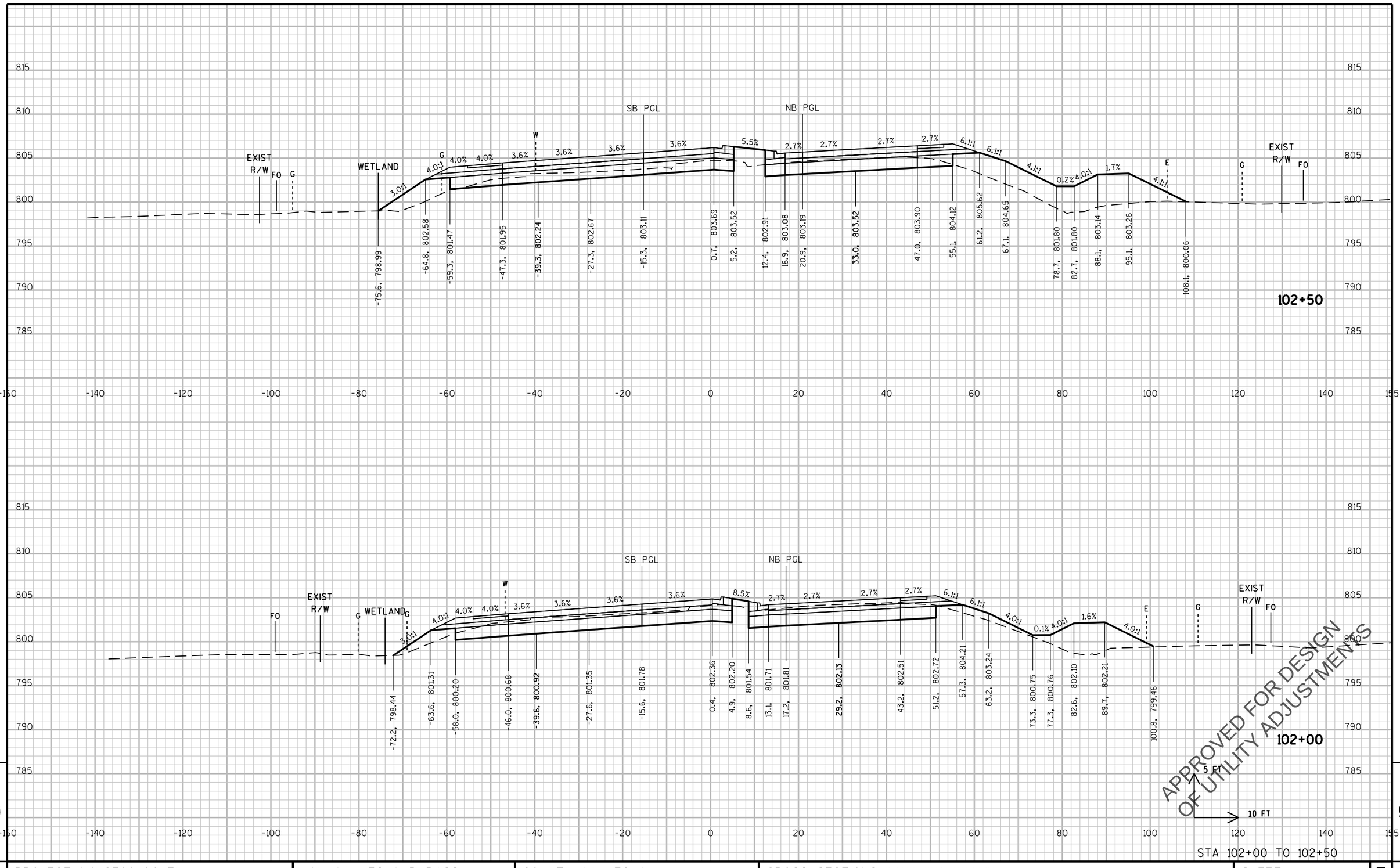
WISDOT/CADDS SHEET 21

9

9



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PRE_322

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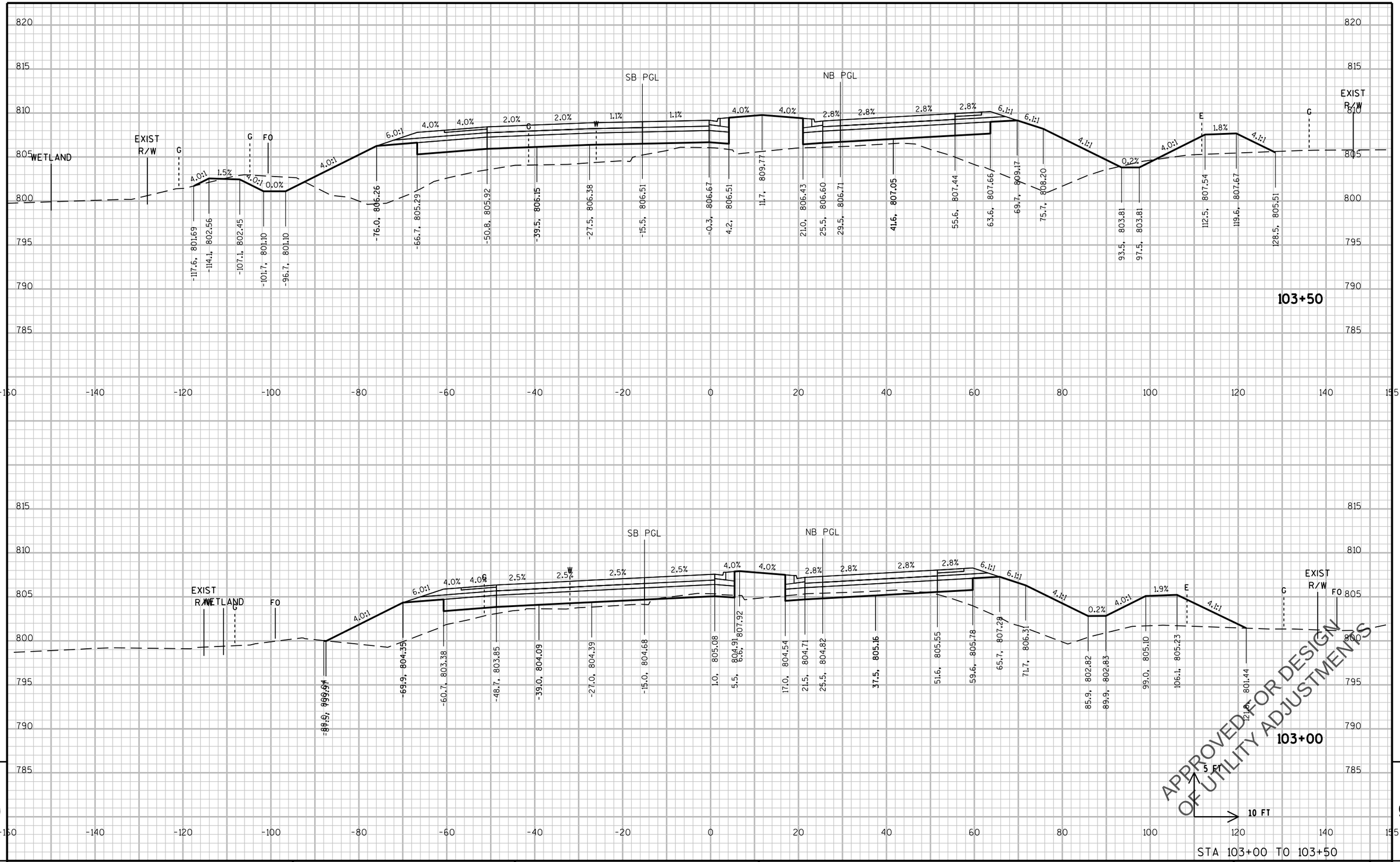
WISDOT/CADDS SHEET 21



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PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: WAUKESHA BYPASS	SHEET E

PRE_323

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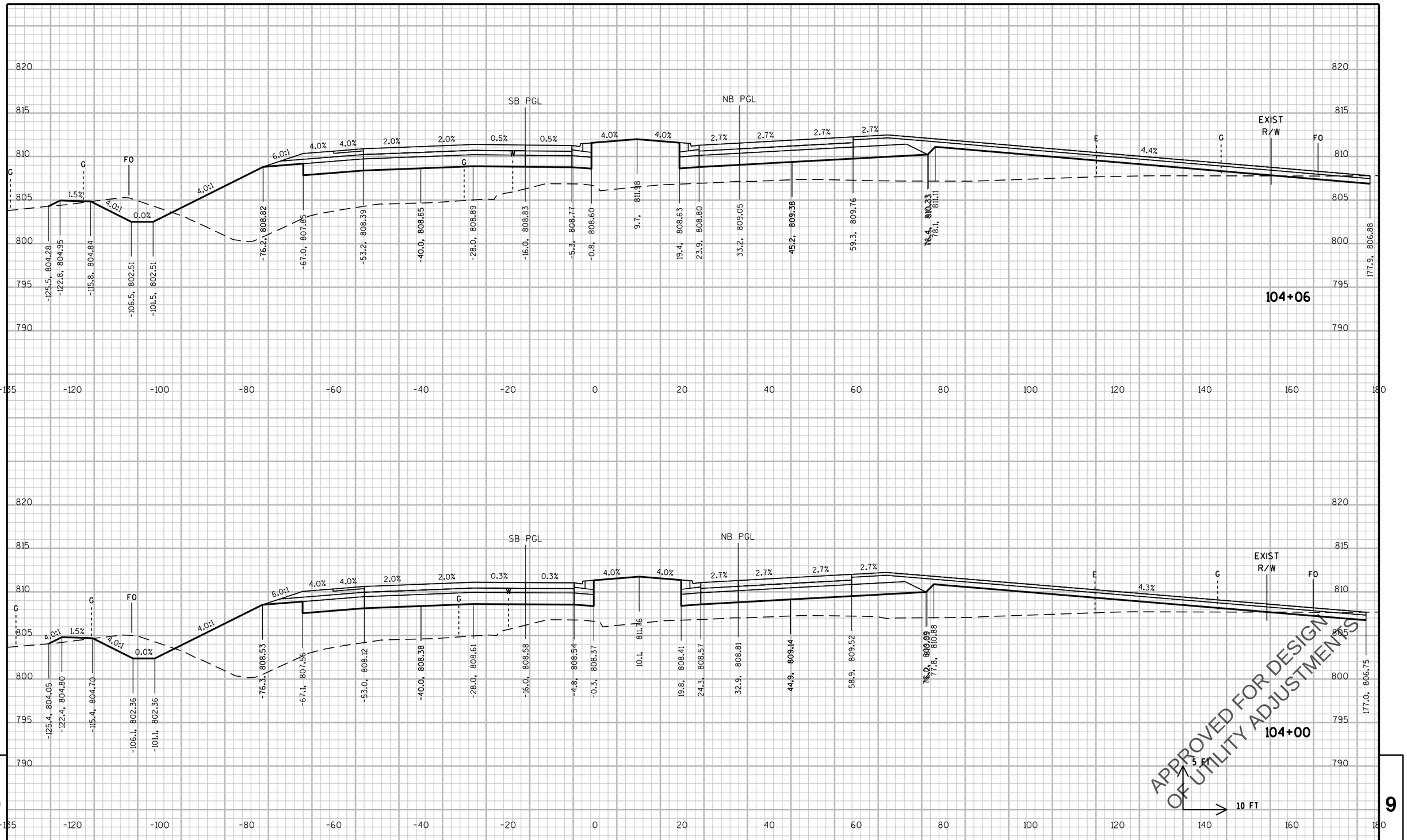
WISDOT/CADDS SHEET 21



PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: WAUKESHA BYPASS	SHEET E

PRE_324

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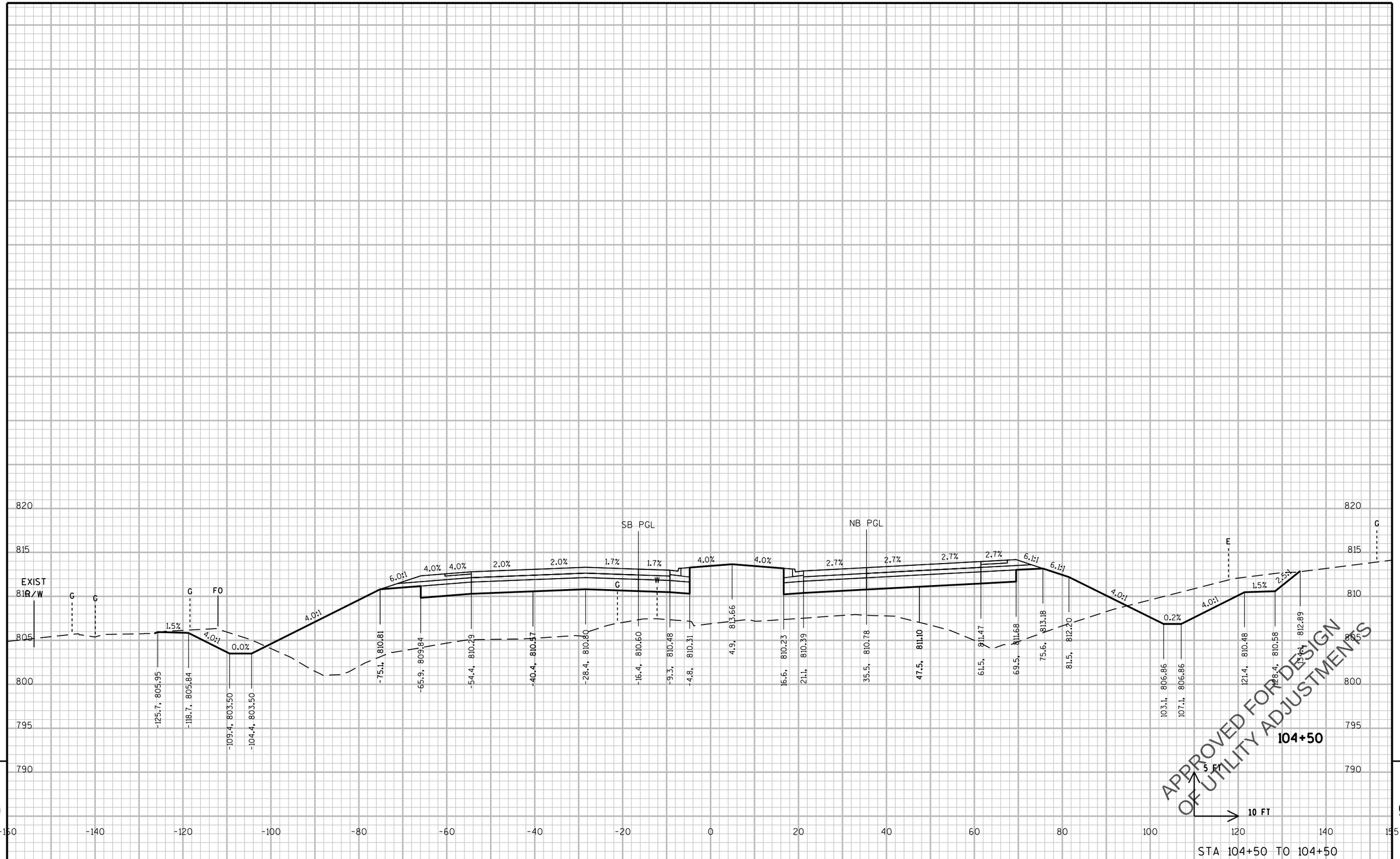
WISDOT/CADDS SHEET 21



STA 104+50 TO 104+50

9

9

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: WAUKESHA BYPASS	SHEET	E

PRE_325

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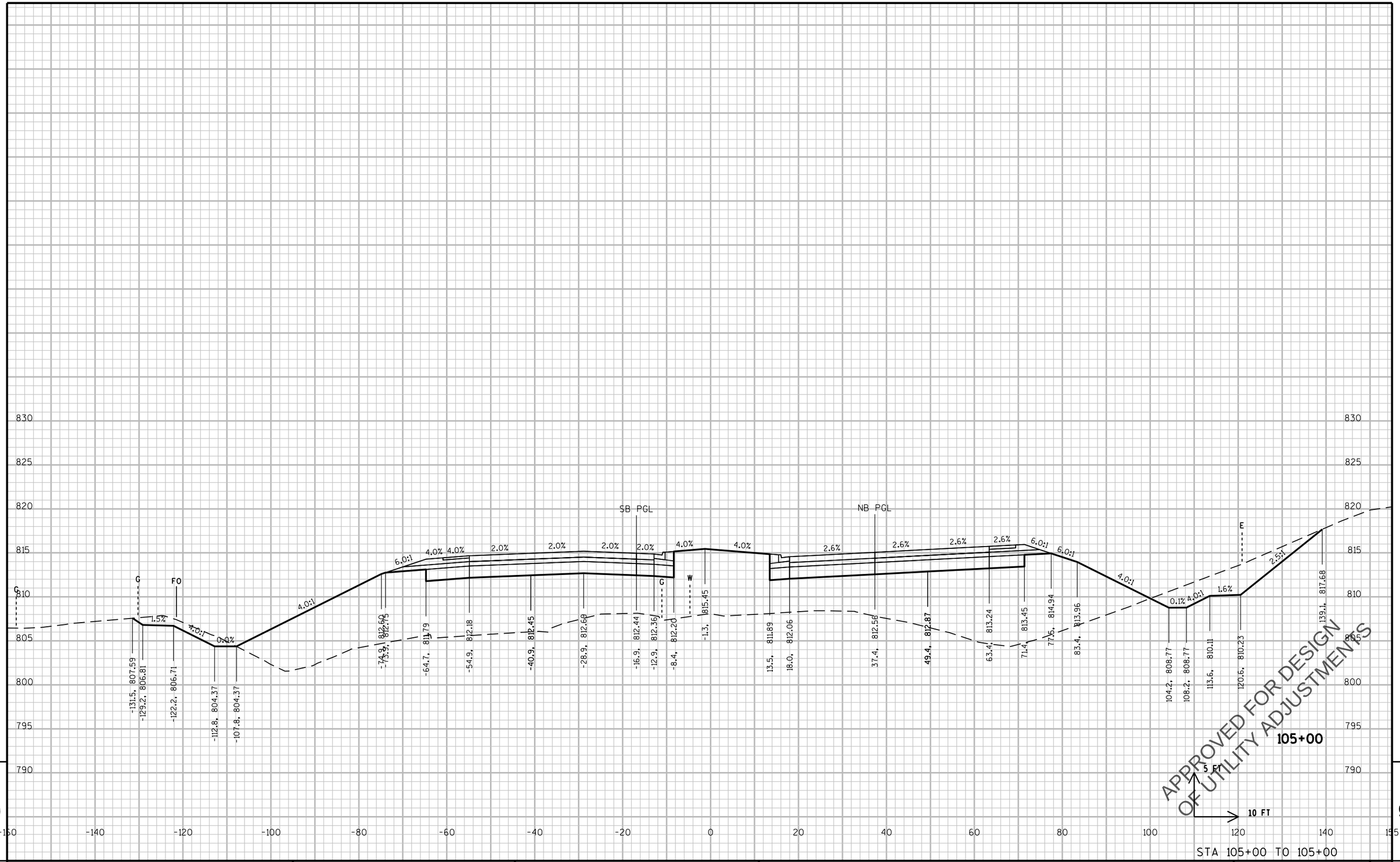

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: WAUKESHA BYPASS	SHEET E

PRE_326

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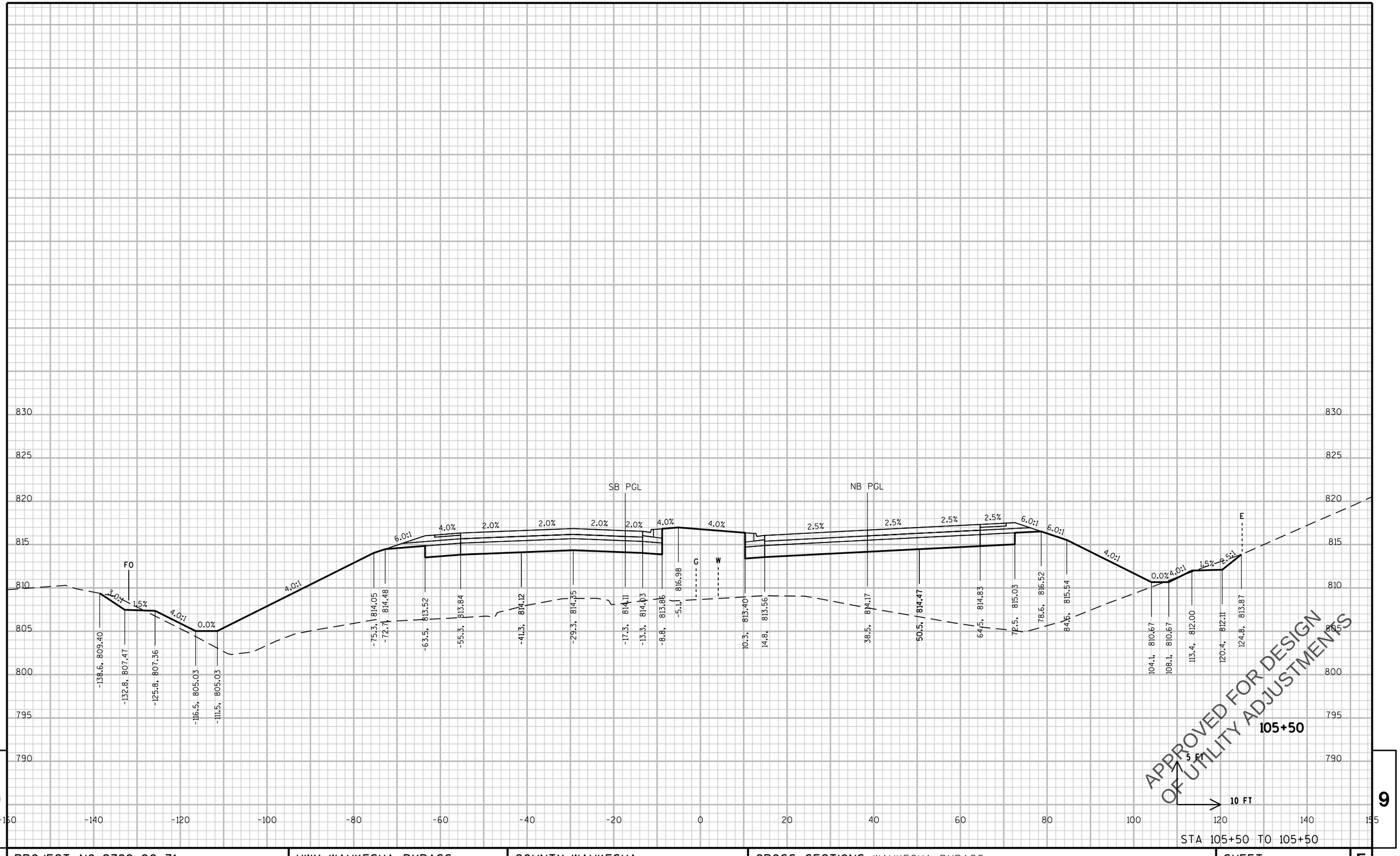

STA 105+50 TO 105+50

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: WAUKESHA BYPASS	SHEET E

PRE_327

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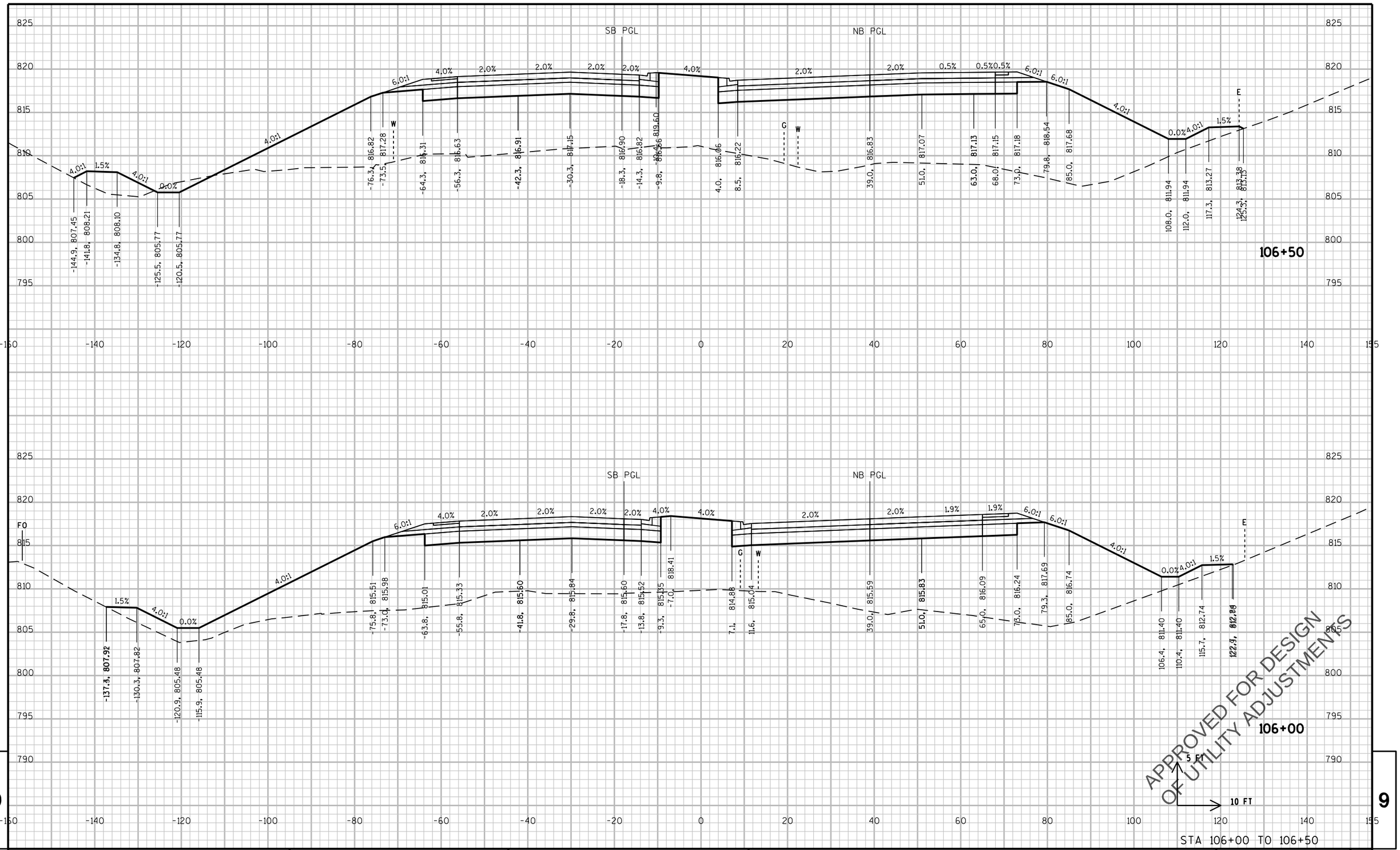
WISDOT/CADDS SHEET 21



STA 106+00 TO 106+50

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: WAUKESHA BYPASS	SHEET E

PRE_328

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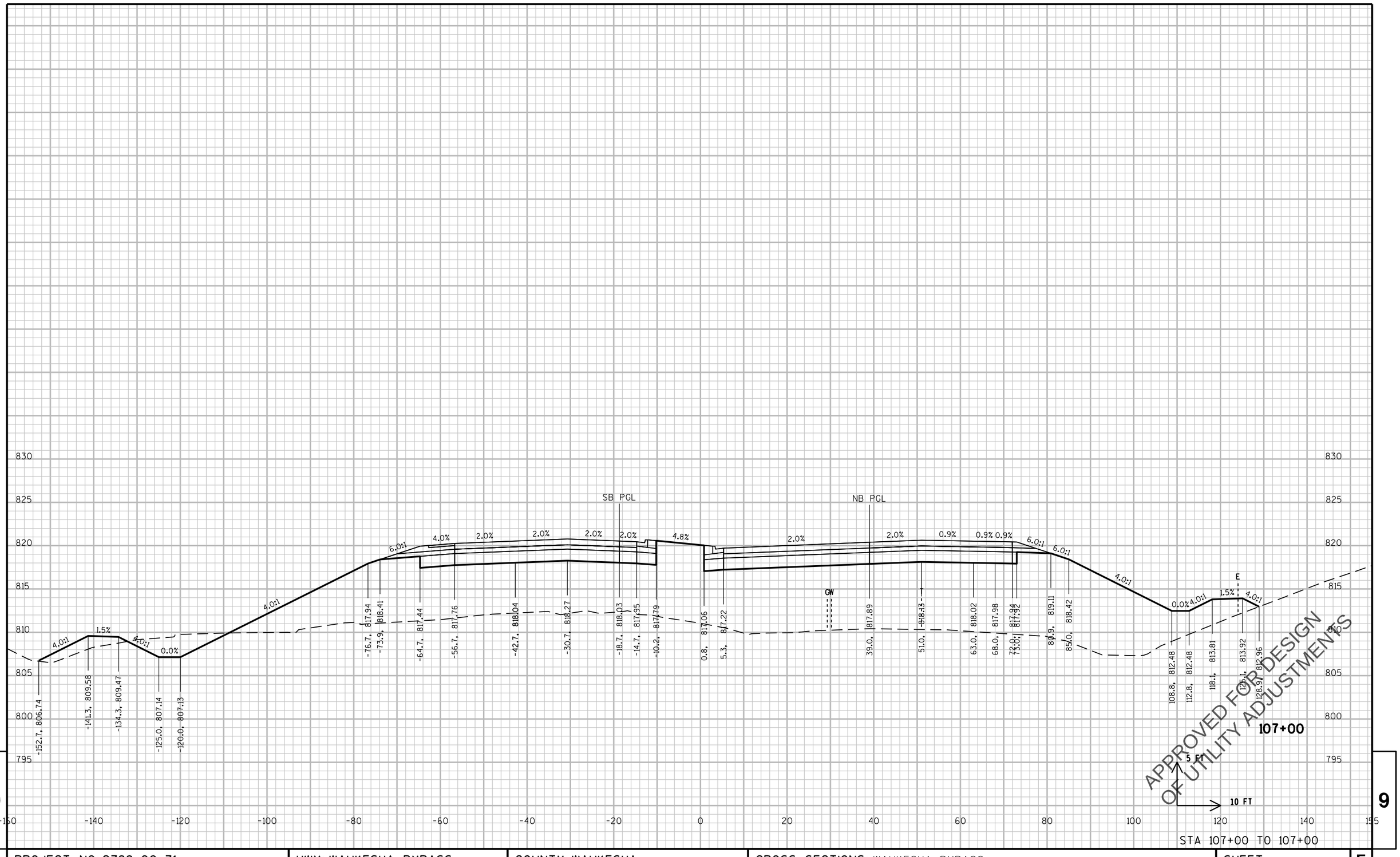
WISDOT/CADDS SHEET 21



PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: WAUKESHA BYPASS	SHEET E

PRE_329

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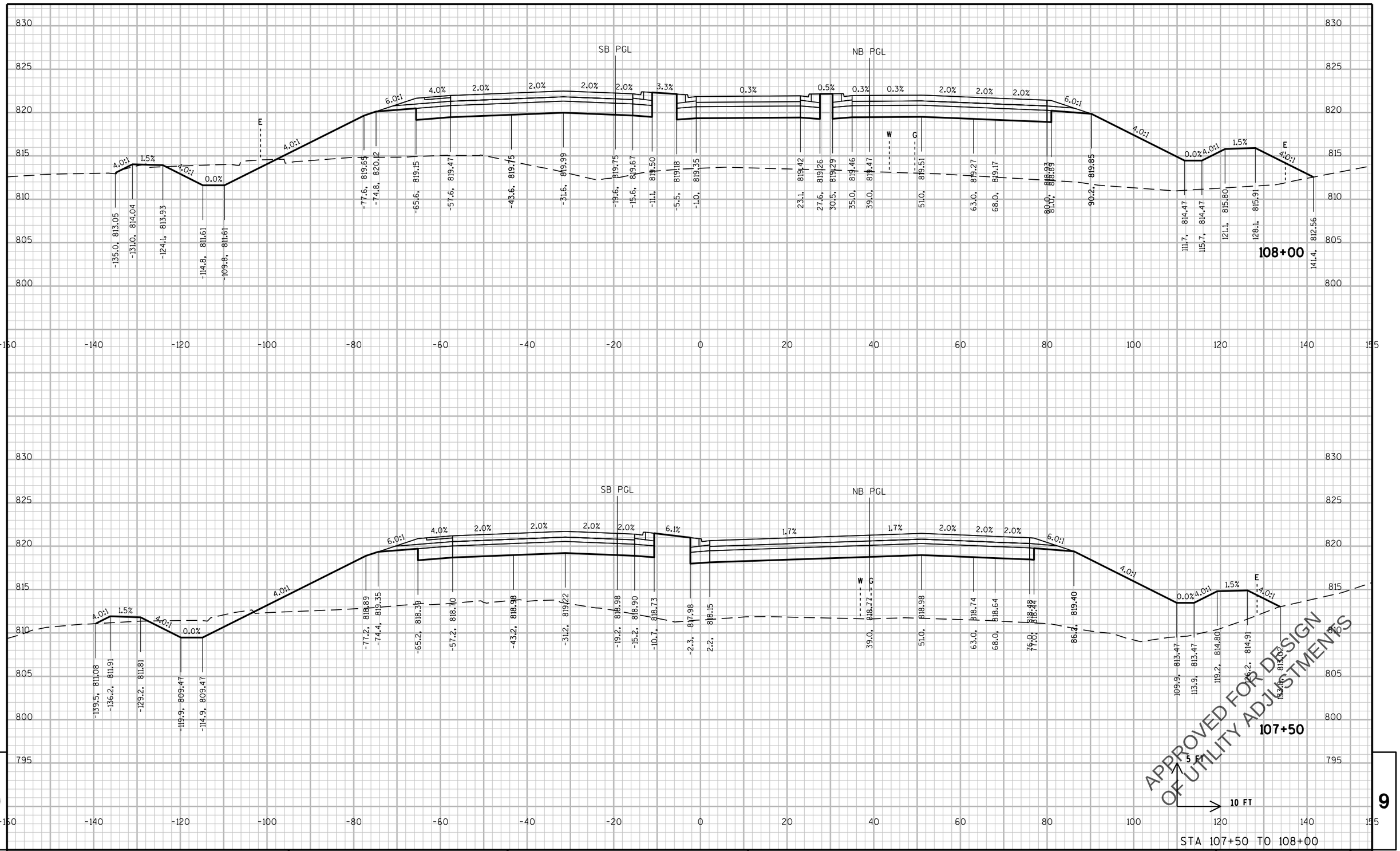
WISDOT/CADDS SHEET 21



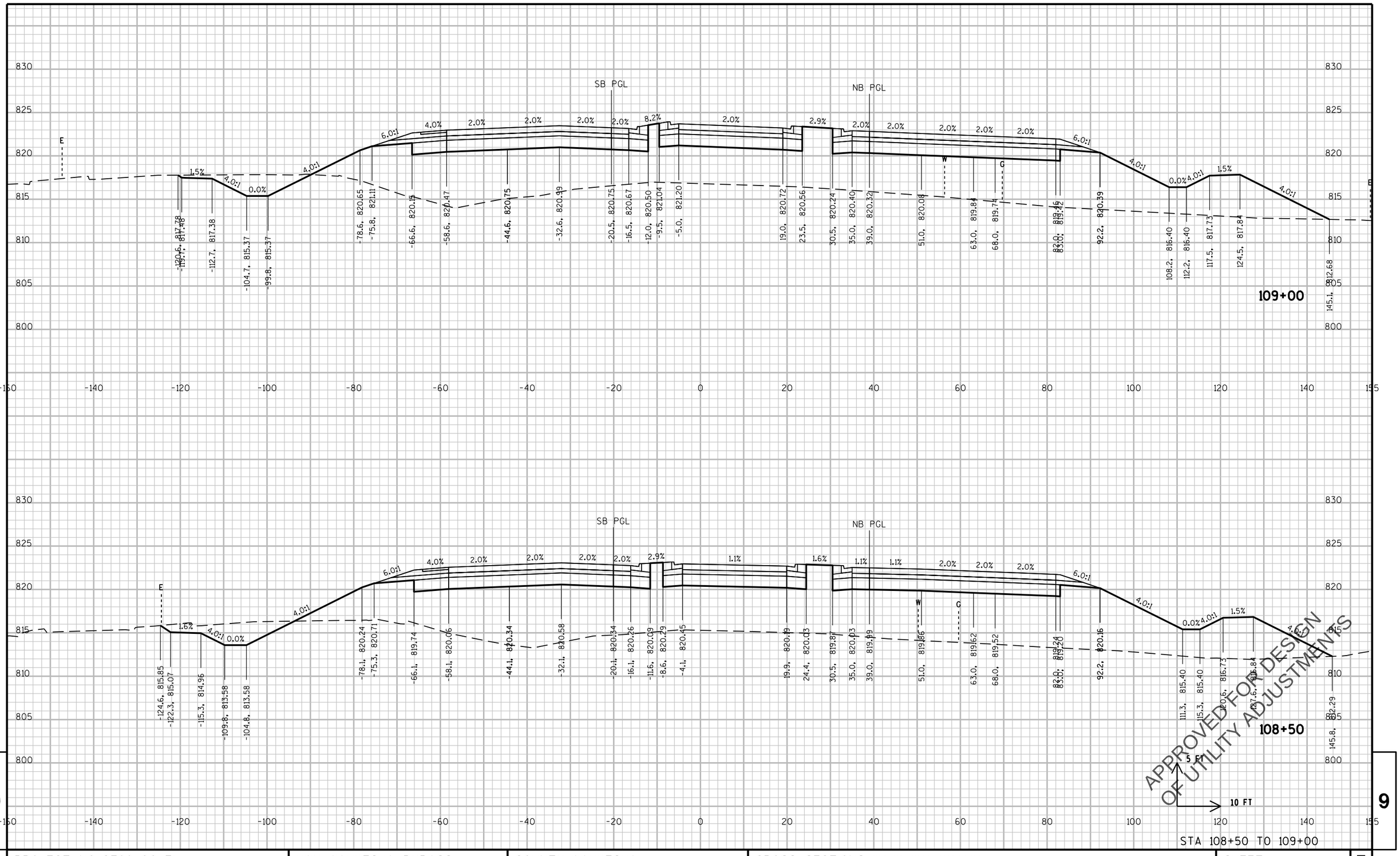
9

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: WAUKESHA BYPASS	SHEET E

STA 107+50 TO 108+00

PRE_330

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090201_XS_WB.dgn
PLOT DATE : 4/11/2016 11:52:58 AM PLOT BY : lzidek PLOT NAME : PLOT SCALE : 20:1
WISDOT/CADDS SHEET 21



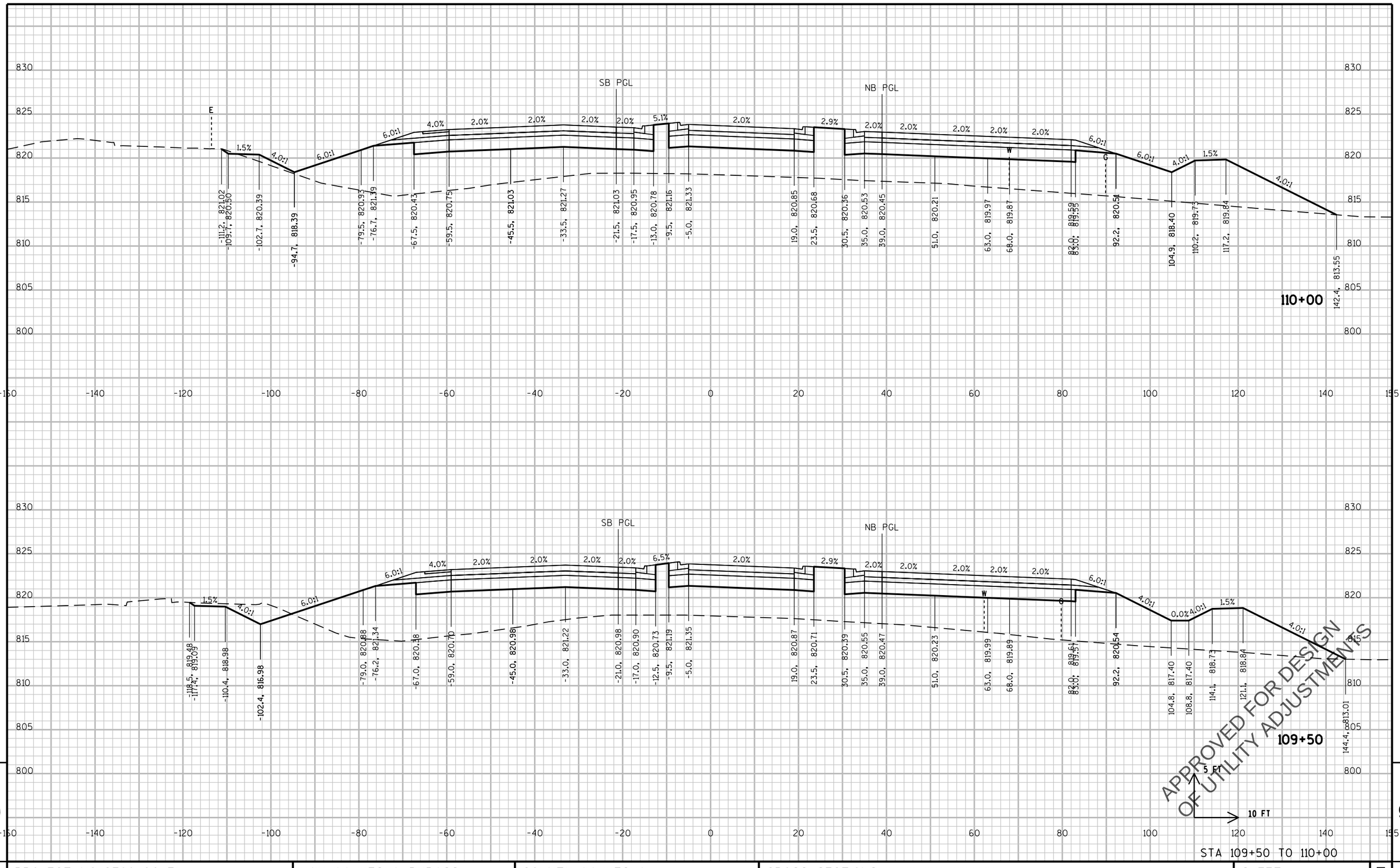
STA 108+50 TO 109+00

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: WAUKESHA BYPASS	SHEET	E

PRE_331

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090201_XS_WB.dgn PLOT DATE : 4/11/2016 11:52:59 AM PLOT BY : lzidek PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

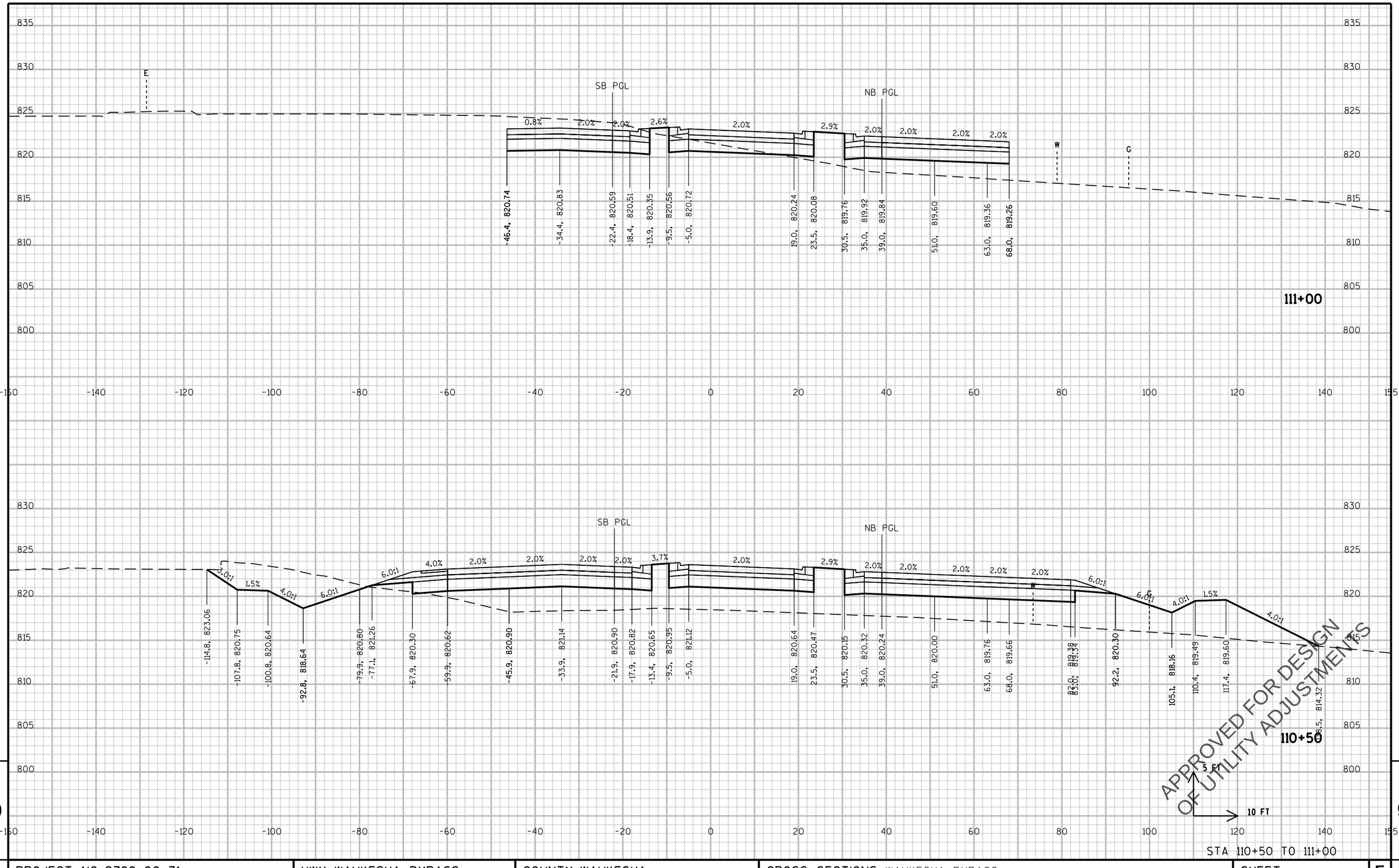


PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: WAUKESHA BYPASS	SHEET E

PRE_332

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090201_XS_WB.dgn PLOT DATE : 4/11/2016 11:52:59 AM PLOT BY : lzidek PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



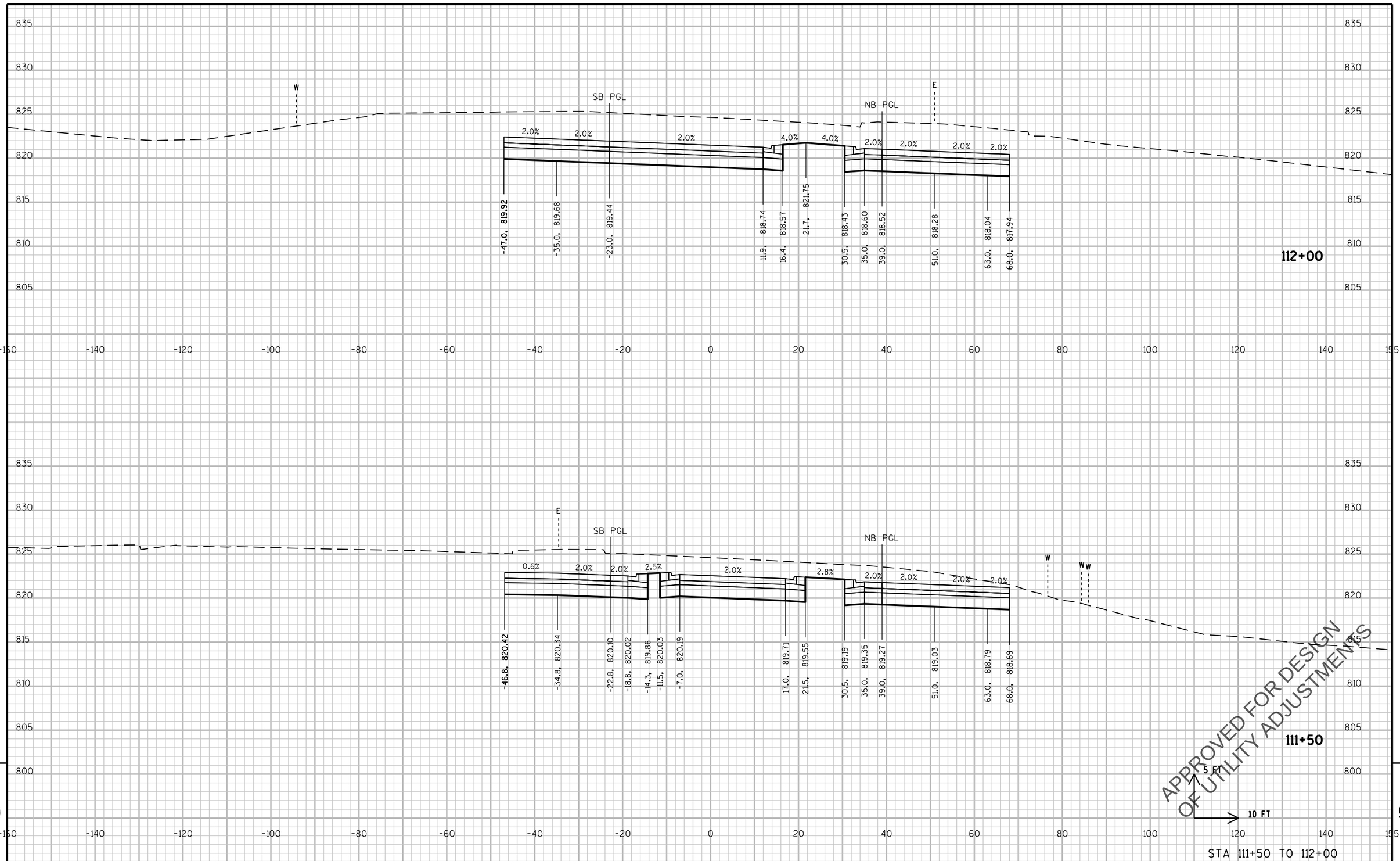
STA 110+50 TO 111+00

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: WAUKESHA BYPASS	SHEET E

PRE_333

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090201_XS_WB.dgn PLOT DATE : 4/11/2016 11:53:00 AM PLOT BY : lzidek PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



9

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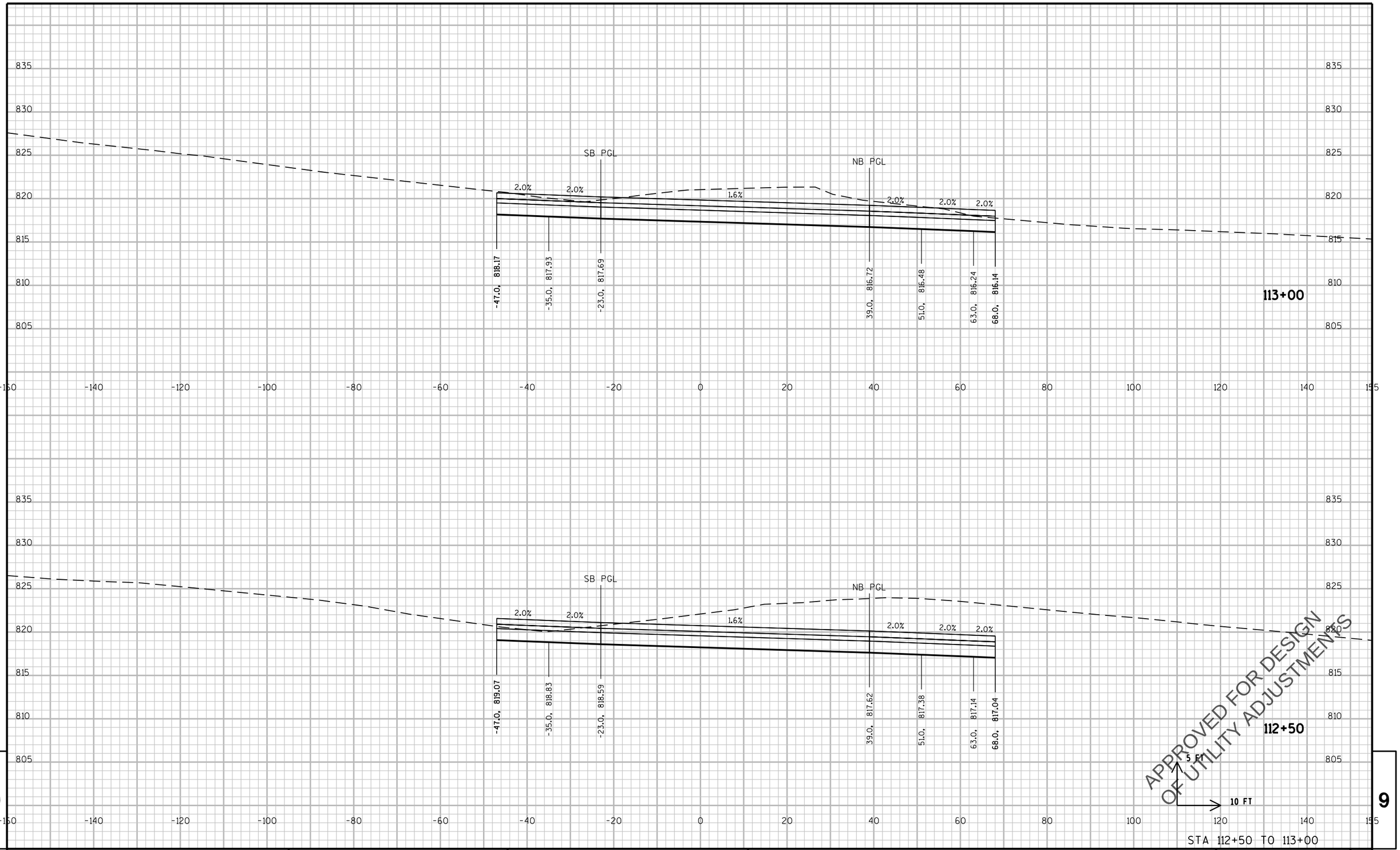
STA 111+50 TO 112+00

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: WAUKESHA BYPASS	SHEET E

PRE_334

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090201_XS_WB.dgn PLOT DATE : 4/11/2016 11:53:00 AM PLOT BY : lzidek PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS

STA 112+50 TO 113+00

9

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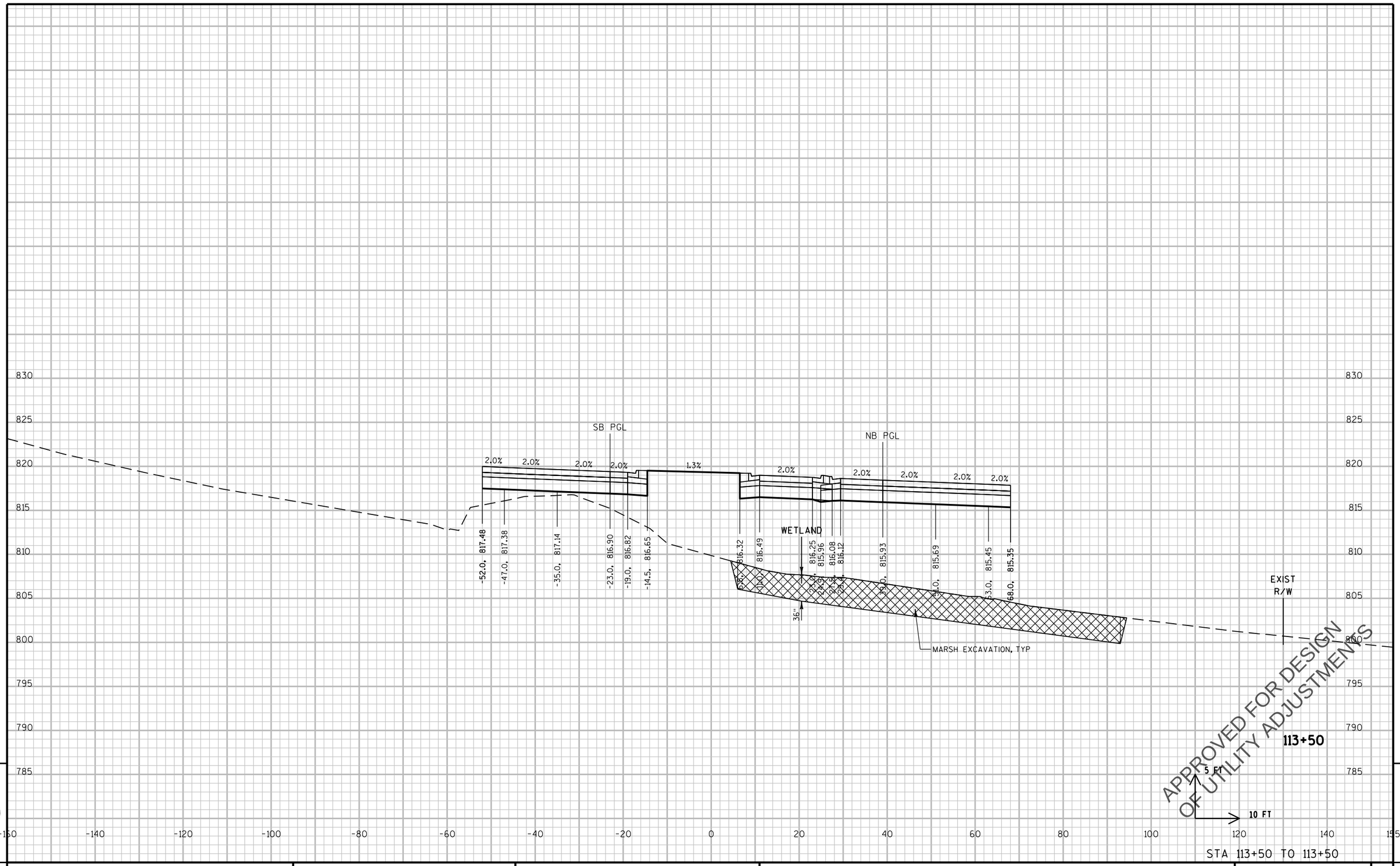
PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: WAUKESHA BYPASS	SHEET	E

PRE_335

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090201_XS_WB.dgn PLOT DATE : 4/11/2016 11:53:01 AM PLOT BY : lzidek PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



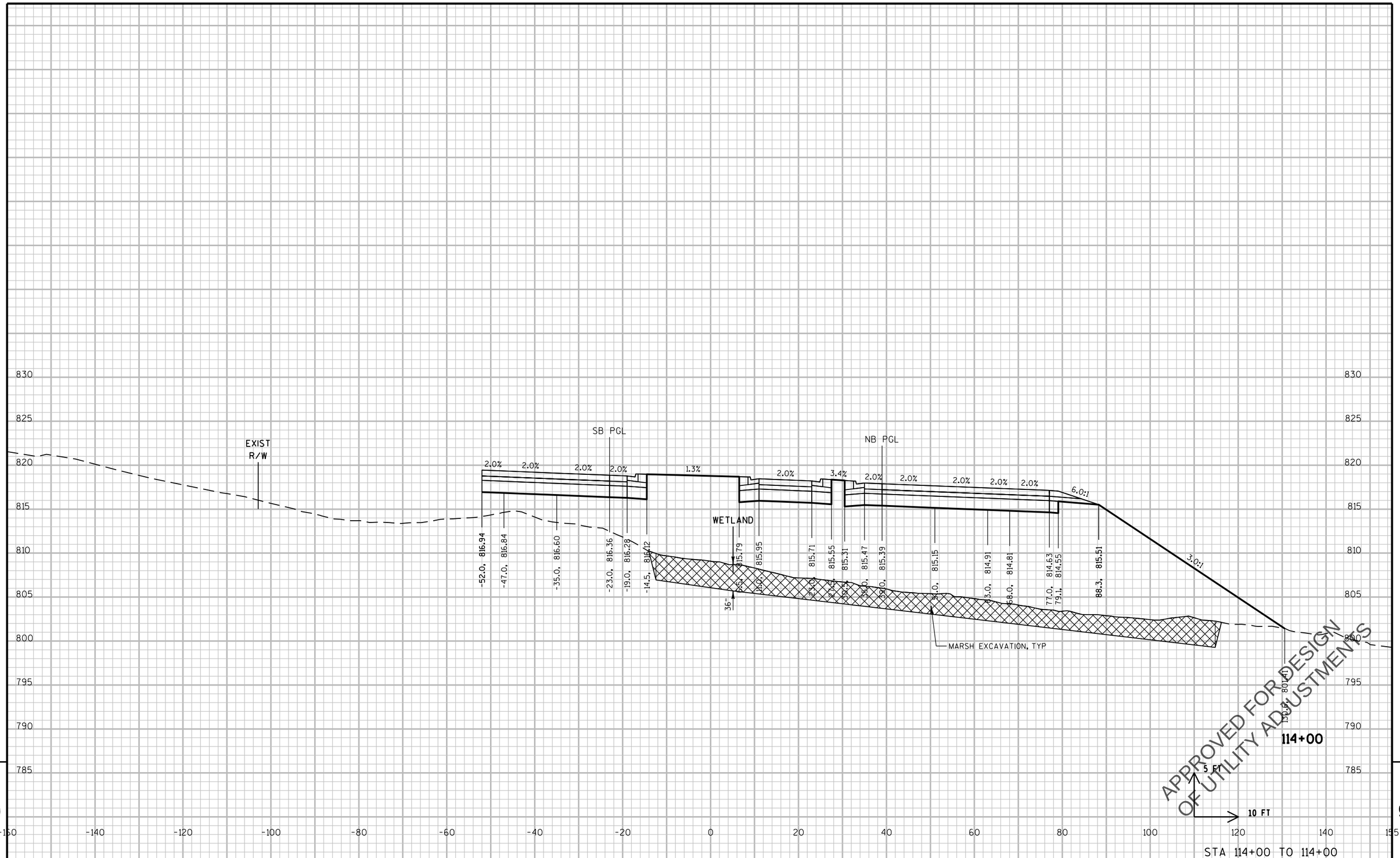
STA 113+50 TO 113+50

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: WAUKESHA BYPASS	SHEET E

PRE_336

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090201_XS_WB.dgn PLOT DATE : 4/11/2016 11:53:01 AM PLOT BY : lzidek PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

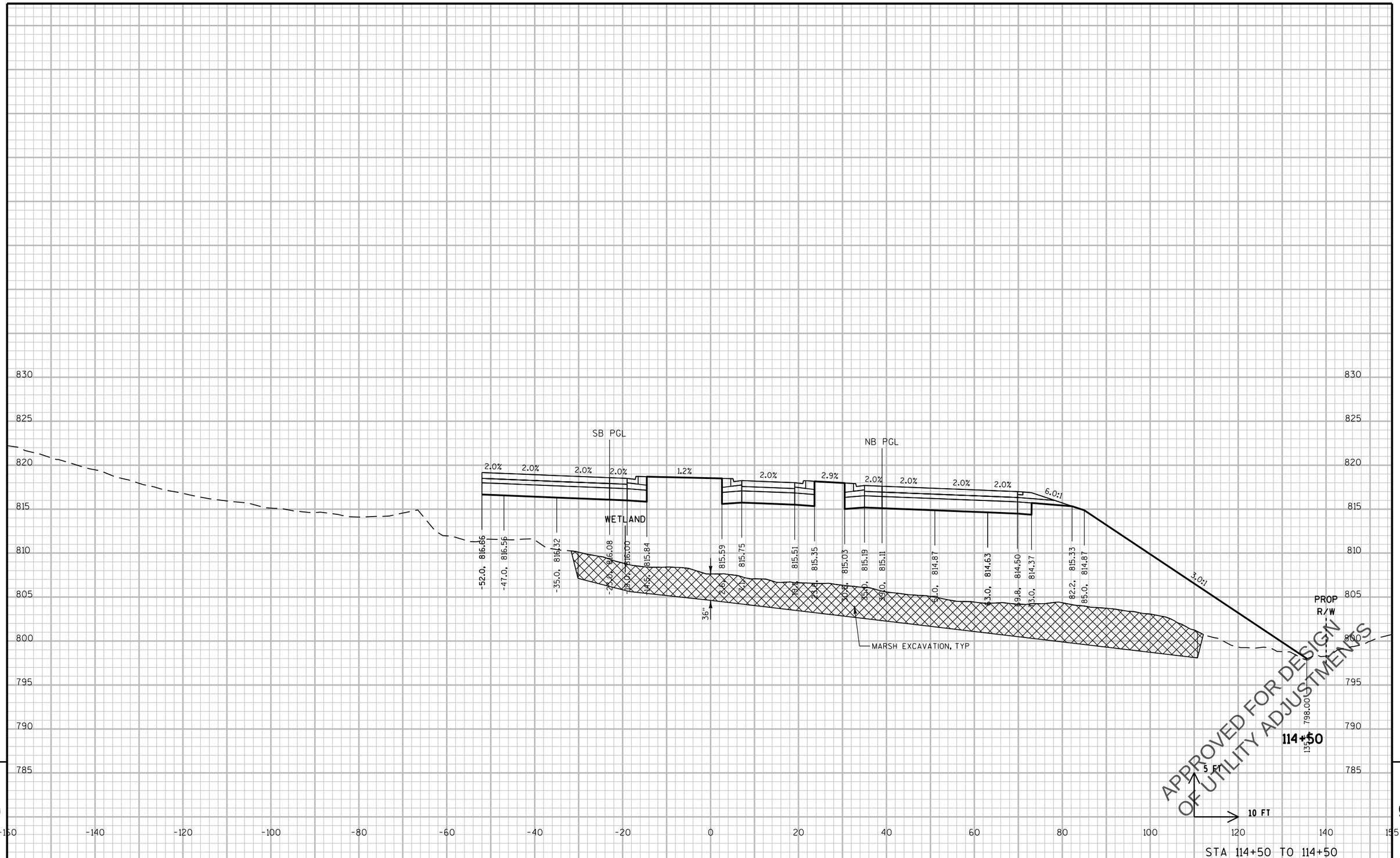


PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: WAUKESHA BYPASS	SHEET E

PRE_337

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090201_XS_WB.dgn PLOT DATE : 4/11/2016 11:53:02 AM PLOT BY : lzidek PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



9 9

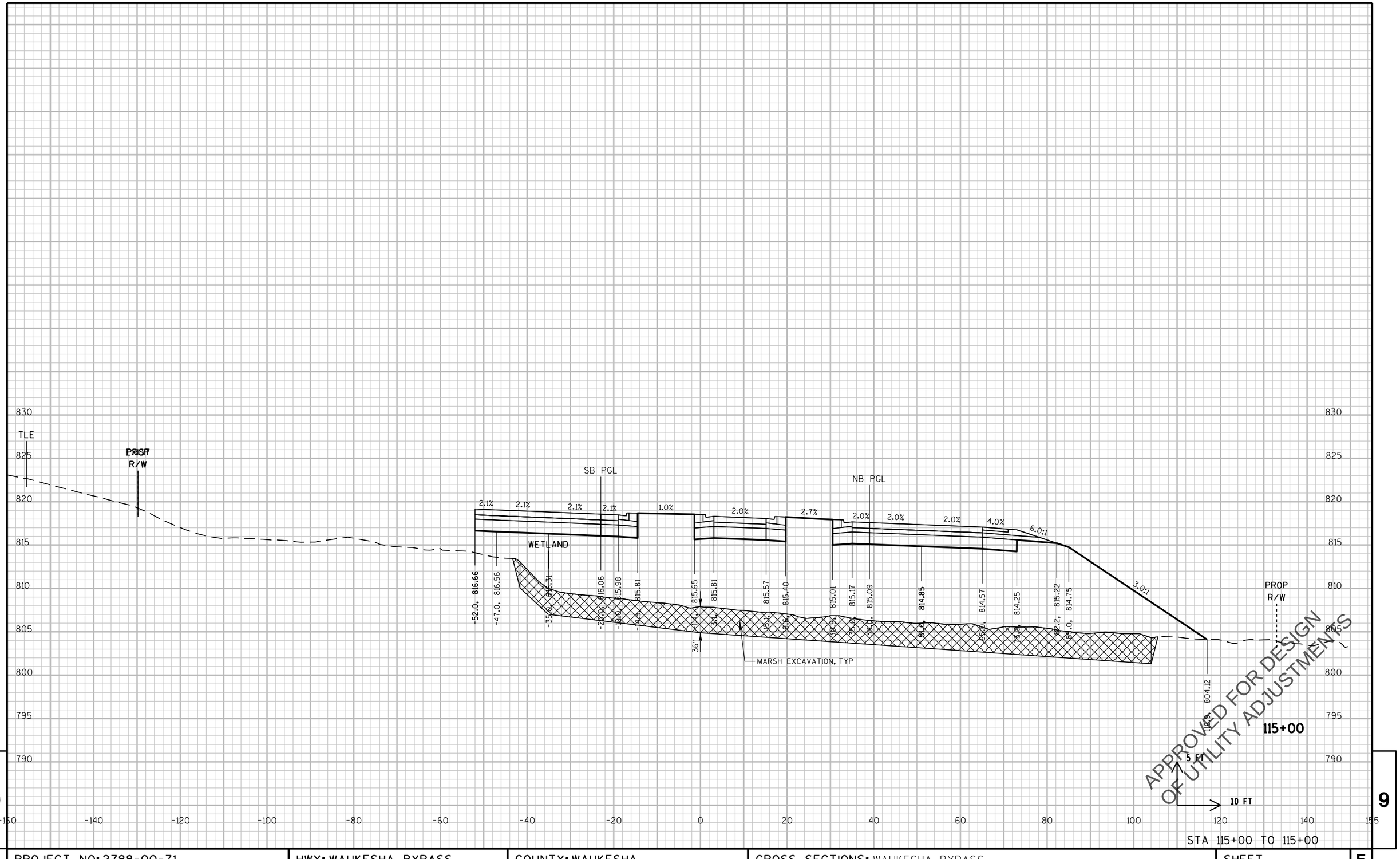
STA 114+50 TO 114+50

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: WAUKESHA BYPASS	SHEET	E

PRE_338

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090201_XS_WB.dgn PLOT DATE : 4/11/2016 11:53:02 AM PLOT BY : lzidek PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



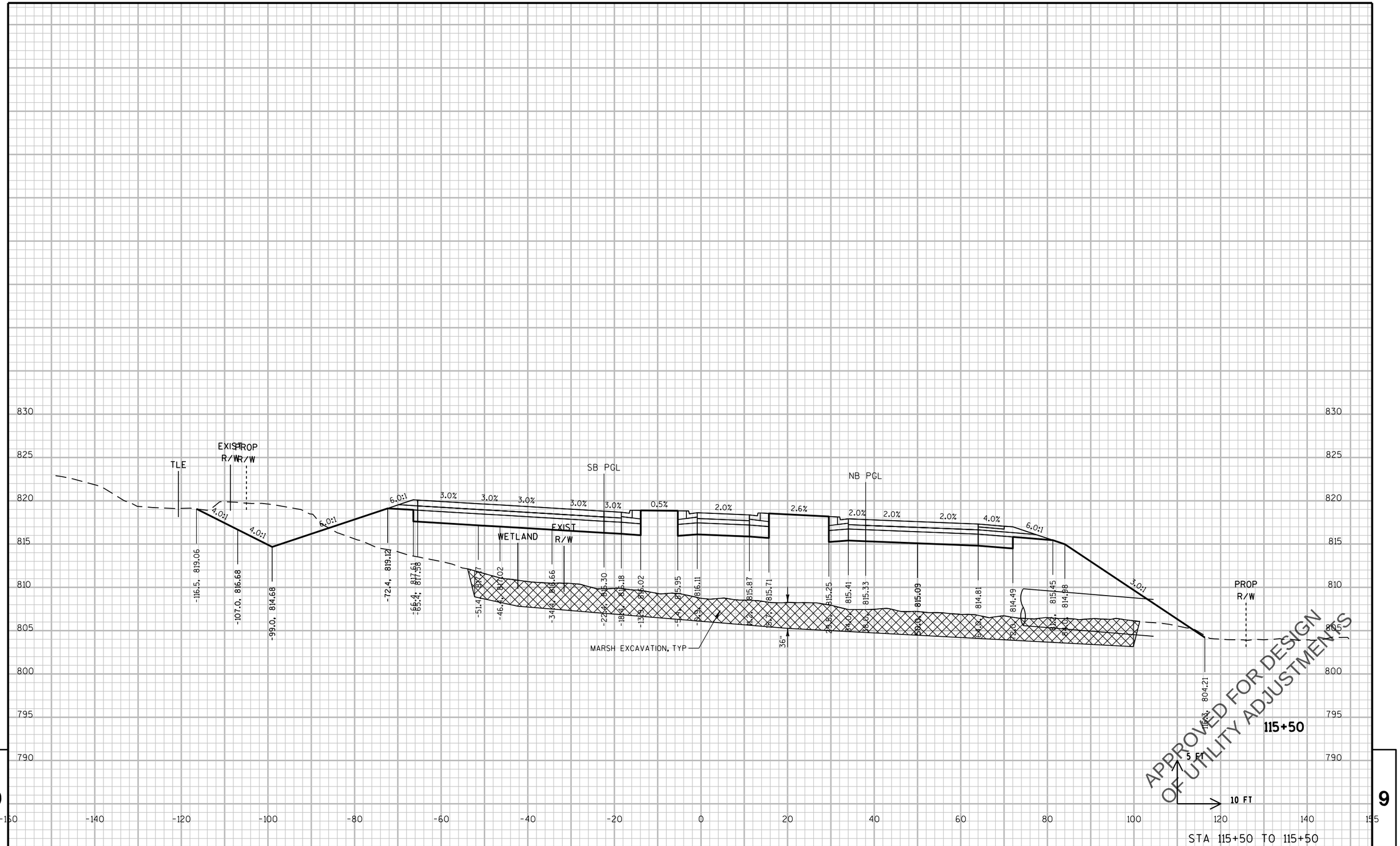
STA 115+00 TO 115+00

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: WAUKESHA BYPASS	SHEET	E

PRE_339

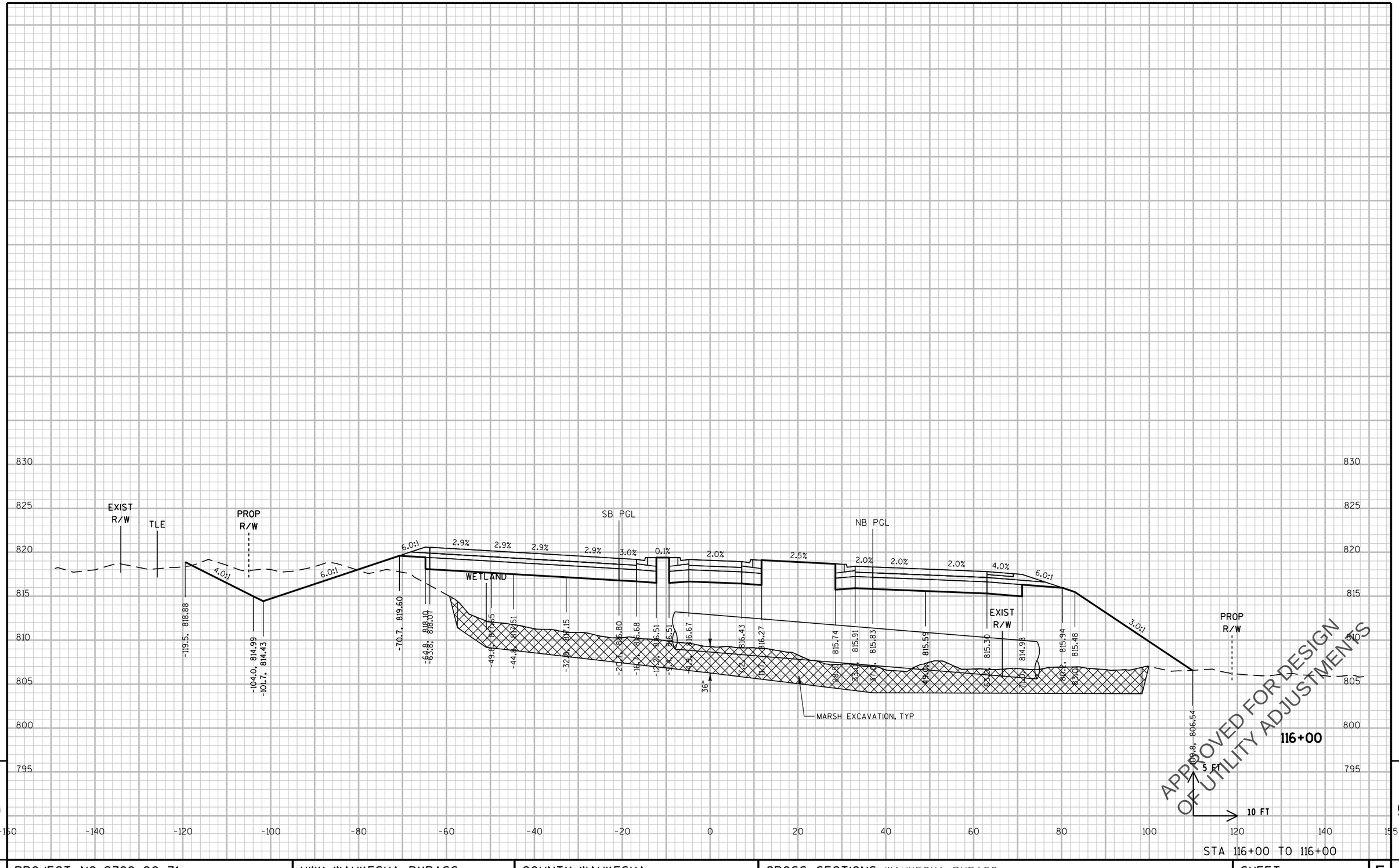
FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090201_XS_WB.dgn PLOT DATE : 4/11/2016 11:53:02 AM PLOT BY : lzidek PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: WAUKESHA BYPASS	SHEET E

PRE_340

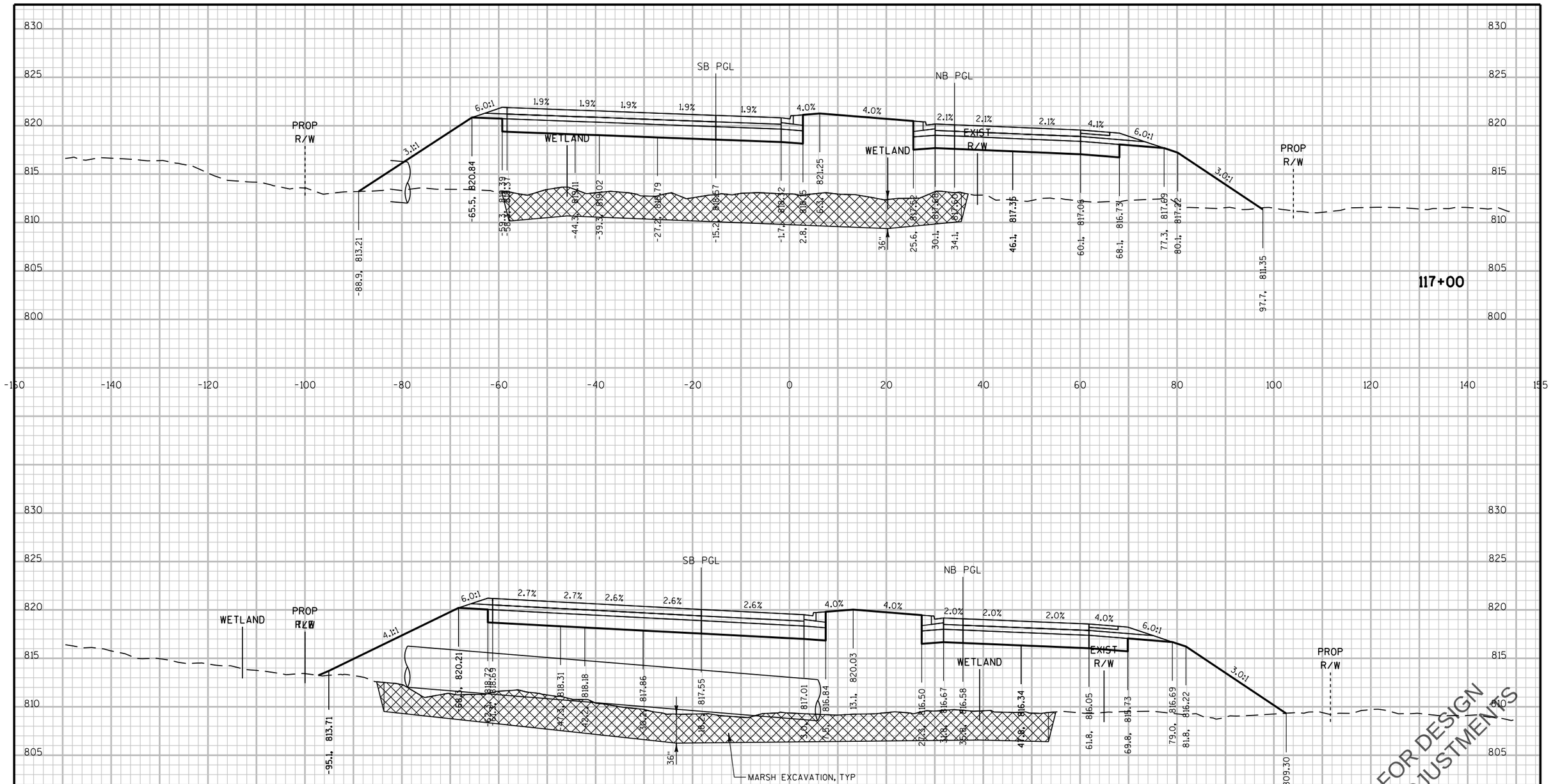


PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: WAUKESHA BYPASS	SHEET	E

PRE_341

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090201_XS_WB.dgn PLOT DATE : 4/11/2016 11:53:03 AM PLOT BY : lzidek PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

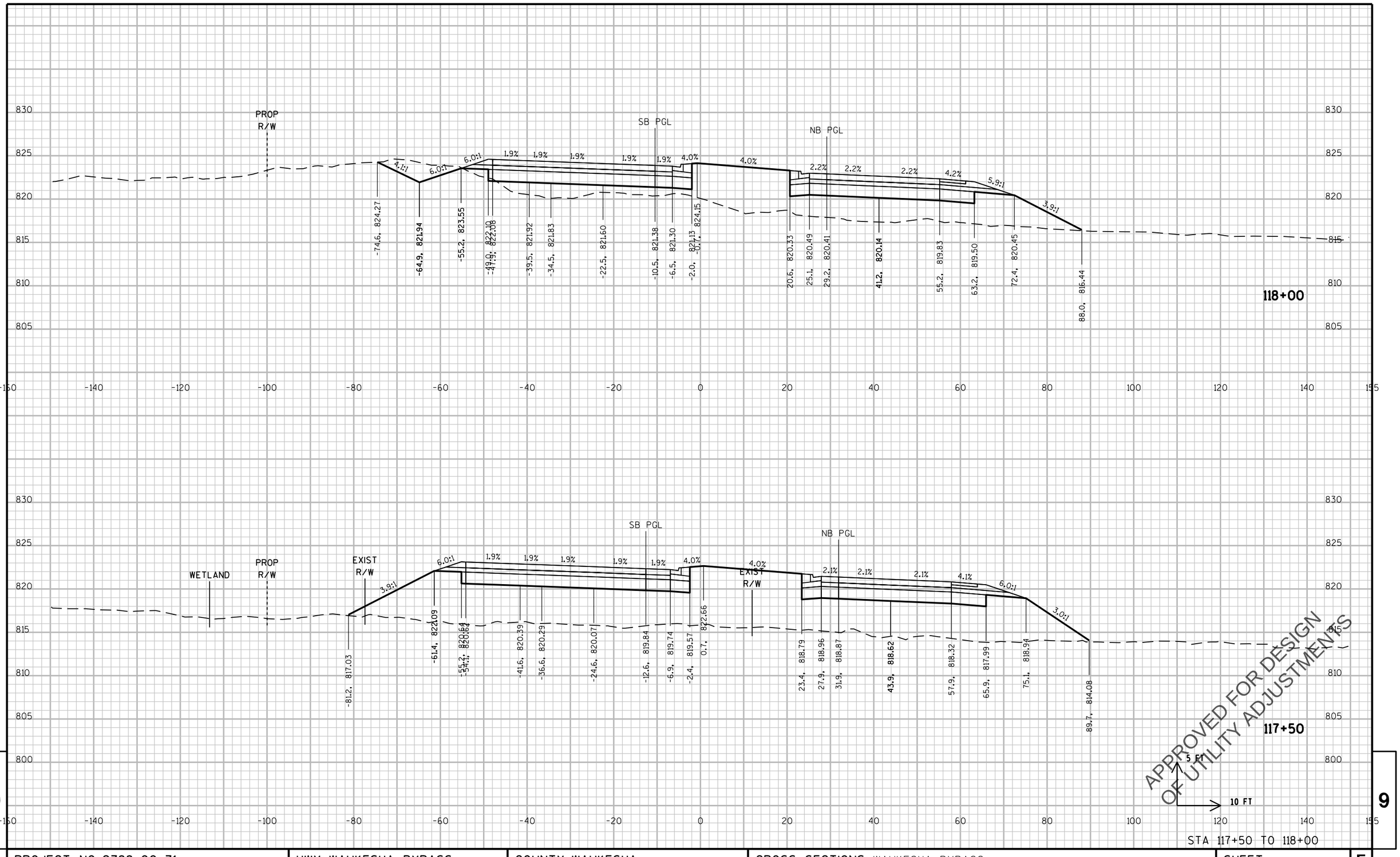


PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: WAUKESHA BYPASS	SHEET	E

PRE_342

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090201_XS_WB.dgn PLOT DATE : 4/11/2016 11:53:04 AM PLOT BY : lzidek PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



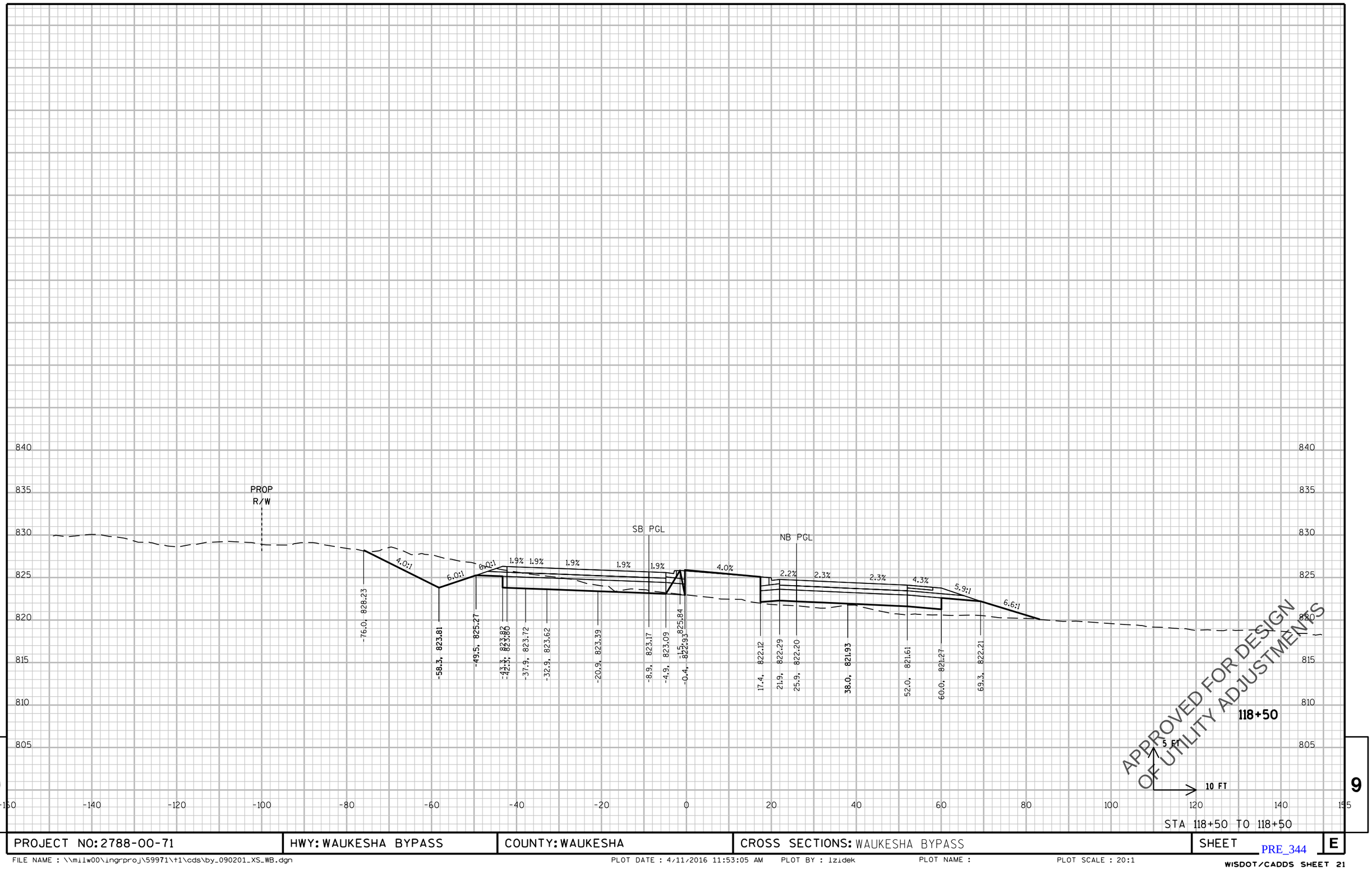
9

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: WAUKESHA BYPASS	SHEET E

PRE_343

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090201_XS_WB.dgn PLOT DATE : 4/11/2016 11:53:04 AM PLOT BY : lzidek PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



9

9

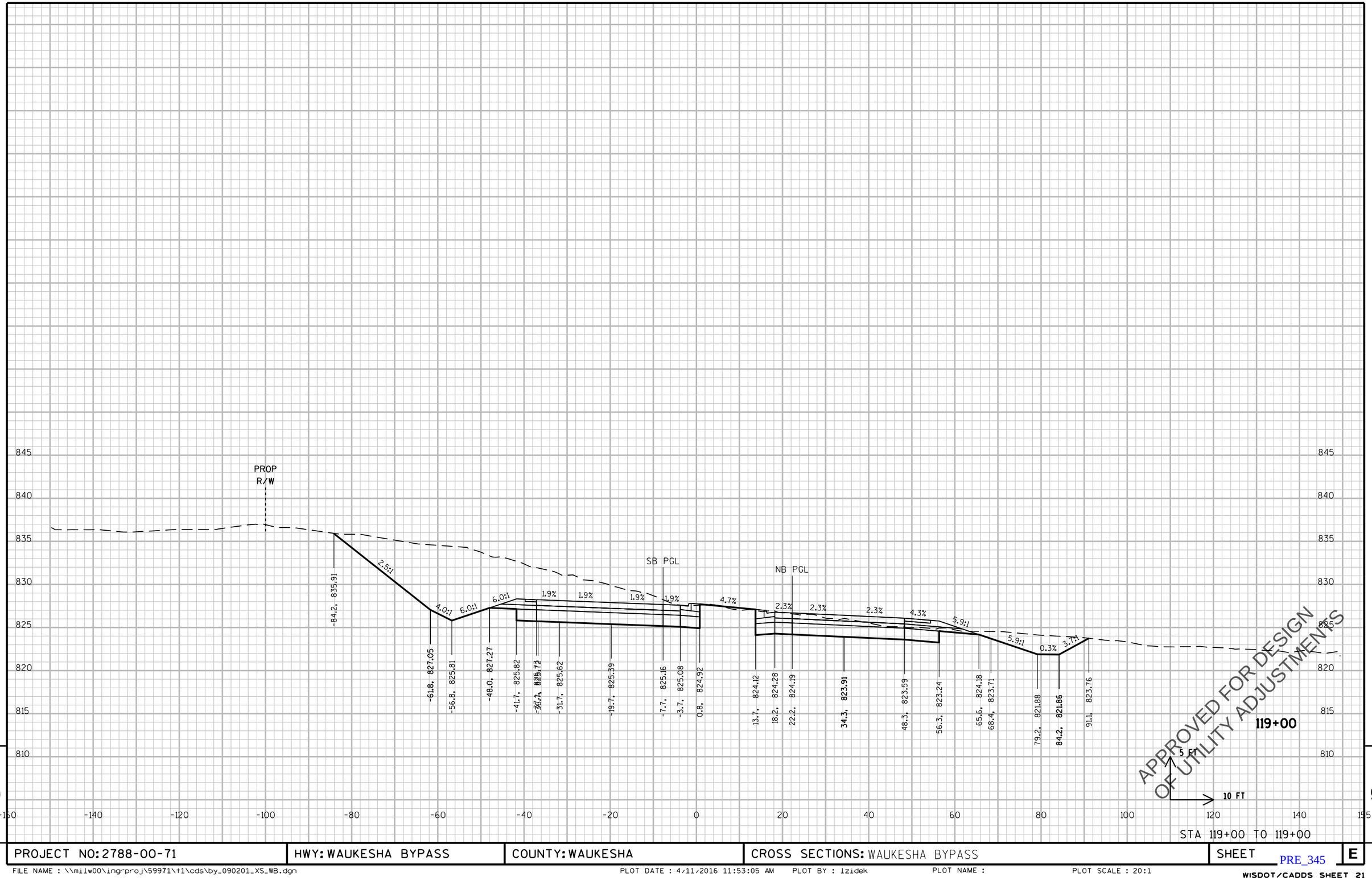
STA 118+50 TO 118+50

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: WAUKESHA BYPASS	SHEET	E

PRE_344

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090201_XS_WB.dgn PLOT DATE : 4/11/2016 11:53:05 AM PLOT BY : lzidek PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



9 9

STA 119+00 TO 119+00

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: WAUKESHA BYPASS	SHEET E

PRE_345

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090201_XS_WB.dgn PLOT DATE : 4/11/2016 11:53:05 AM PLOT BY : lzidek PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

PROP R/W

SB PGL

NB PGL

-86.4, 839.30

2.5:1

4.0:1 6.0:1 6.0:1

2.0% 2.0% 2.0% 2.0% 6.1% 3.2% 3.2% 3.2% 4.2%

5.9:1 5.9:1 4.1:1

-61.0, 829.13
-55.6, 827.79
-47.4, 829.16
-41.1, 827.70
-33.1, 827.54
-19.2, 827.27
-7.1, 827.03
-3.1, 826.95
1.4, 826.78
9.9, 826.02
14.4, 826.19
18.4, 826.06
30.4, 825.67
44.5, 825.21
52.5, 824.87
61.7, 825.81
64.5, 825.34
76.9, 823.40
93.3, 827.53

850 845 840 835 830 825 820 815 810

-160 -140 -120 -100 -80 -60 -40 -20 0 20 40 60 80 100 120 140 155

APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS

119+50

5 FT

10 FT

STA 119+50 TO 119+50

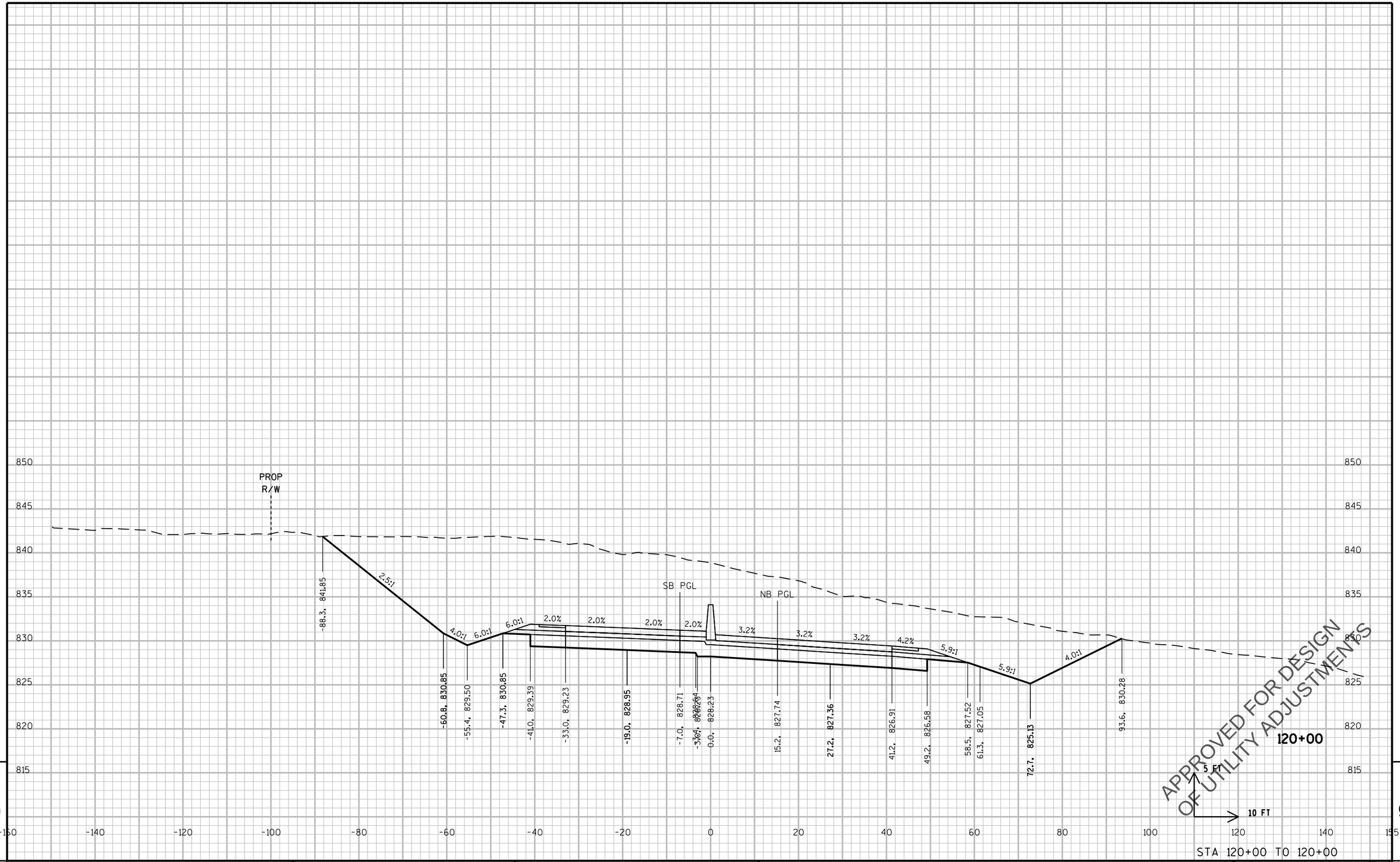
9 9

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: WAUKESHA BYPASS	SHEET E

PRE_346

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090201_XS_WB.dgn PLOT DATE : 4/11/2016 11:53:06 AM PLOT BY : lzidek PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



9

9

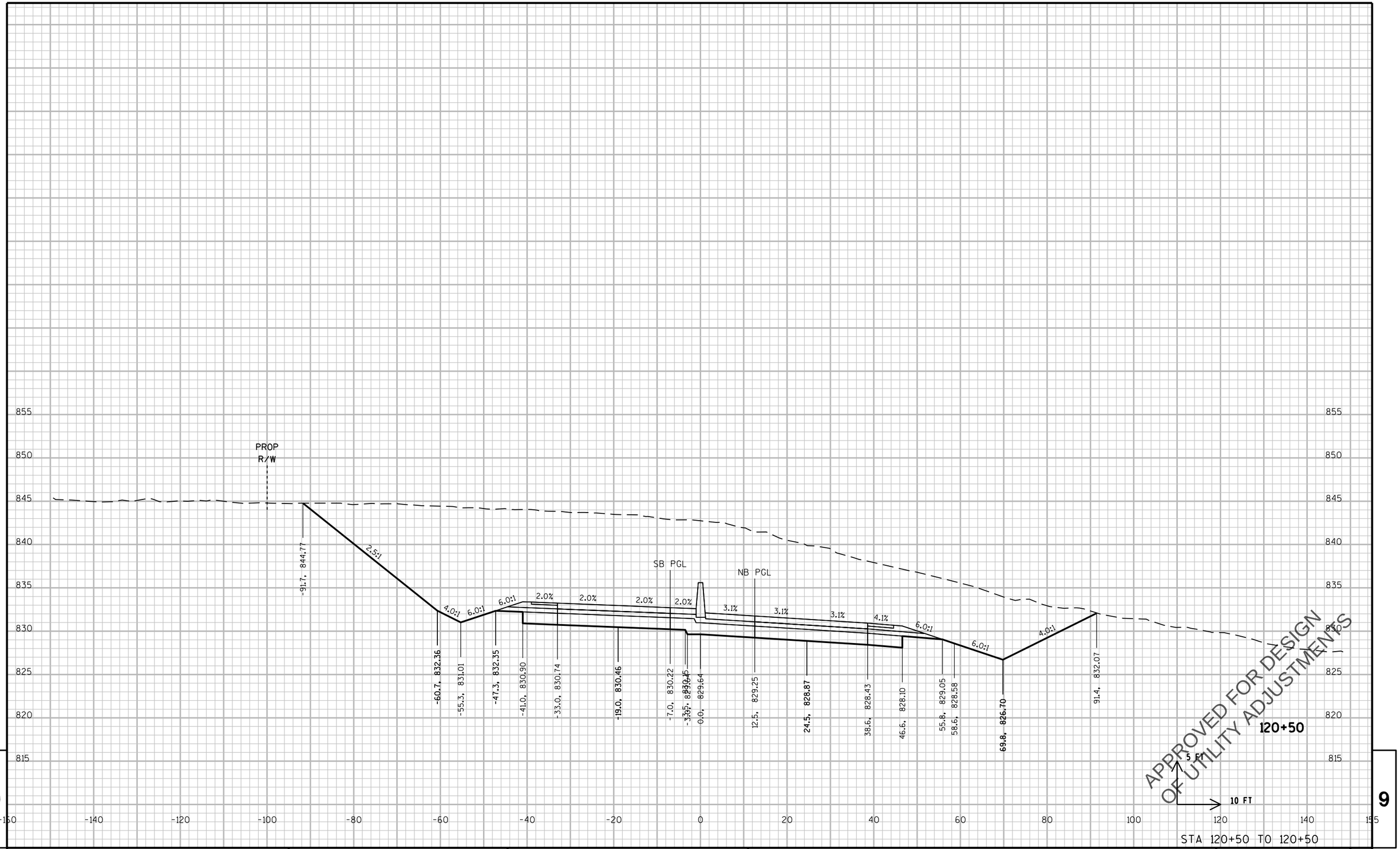
STA 120+00 TO 120+00

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: WAUKESHA BYPASS	SHEET	E

PRE_347

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090201_XS_WB.dgn PLOT DATE : 4/11/2016 11:53:06 AM PLOT BY : lzidek PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



STA 120+50 TO 120+50

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: WAUKESHA BYPASS	SHEET E

PRE_348

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090201_XS_WB.dgn PLOT DATE : 4/11/2016 11:53:07 AM PLOT BY : lzidek PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

PROP
RLW

-95.4, 847.58

2.5:1

4.0:1 6.0:1 6.0:1 2.0% 2.0% 2.0% 2.0% 3.1% 3.1% 3.1% 4.1% 6.0:1 6.0:1 4.0:1

SB PGL

NB PGL

-60.7, 833.69
-55.3, 832.34
-47.3, 833.67
-41.0, 832.22
-33.0, 832.06
-19.0, 831.78
-7.0, 831.54
-3.6, 830.97
0.0, 830.89
10.4, 830.57
22.5, 830.20
36.5, 829.76
44.5, 829.44
53.7, 830.39
56.5, 829.92
67.5, 828.08
88.7, 833.35

855 850 845 840 835 830 825 820 815

-160 -140 -120 -100 -80 -60 -40 -20 0 20 40 60 80 100 120 140 155

APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS

121+00

5 FT

10 FT

STA 121+00 TO 121+00

9

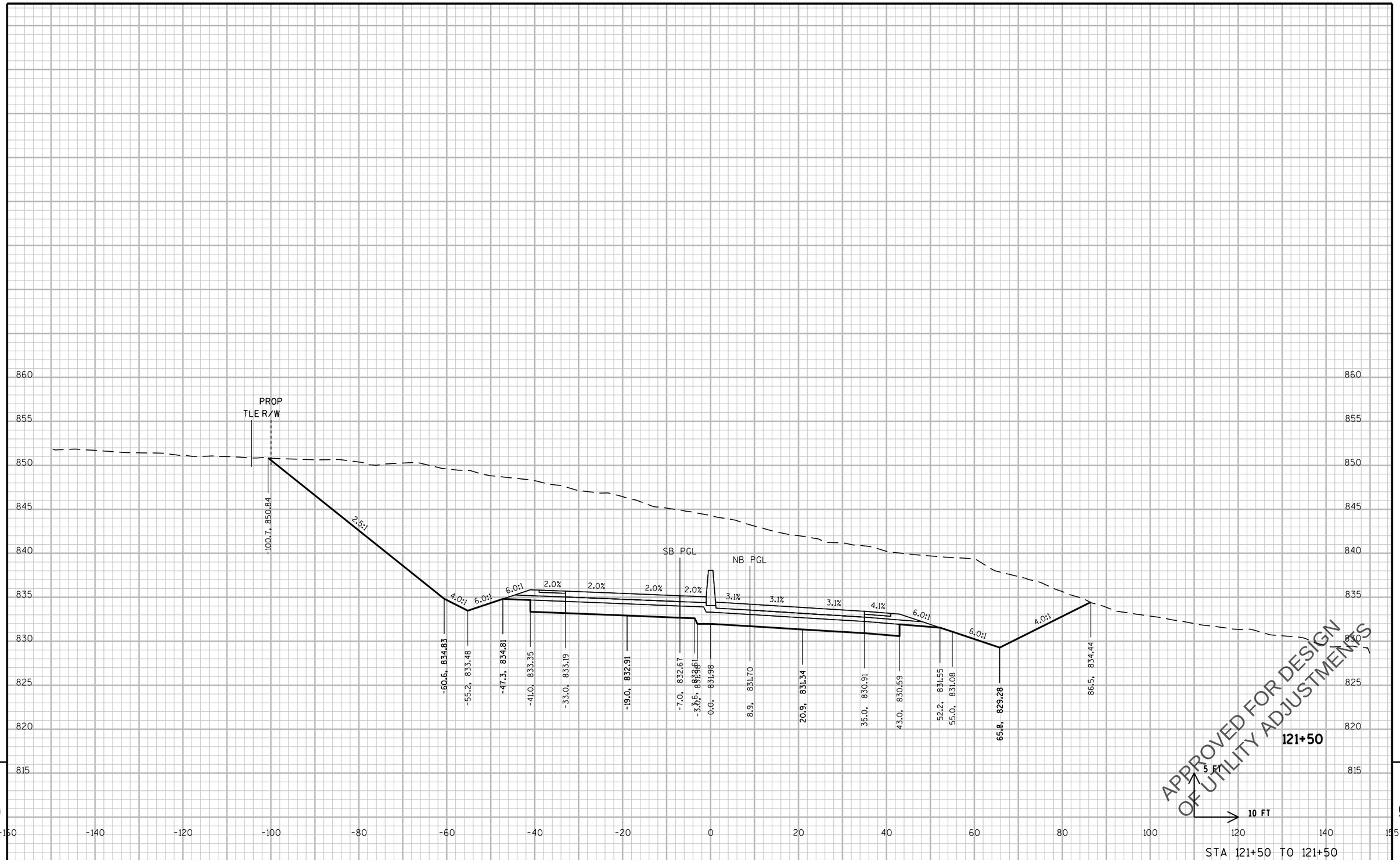
9

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: WAUKESHA BYPASS	SHEET	E

PRE_349

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090201_XS_WB.dgn PLOT DATE : 4/11/2016 11:53:07 AM PLOT BY : lzidek PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



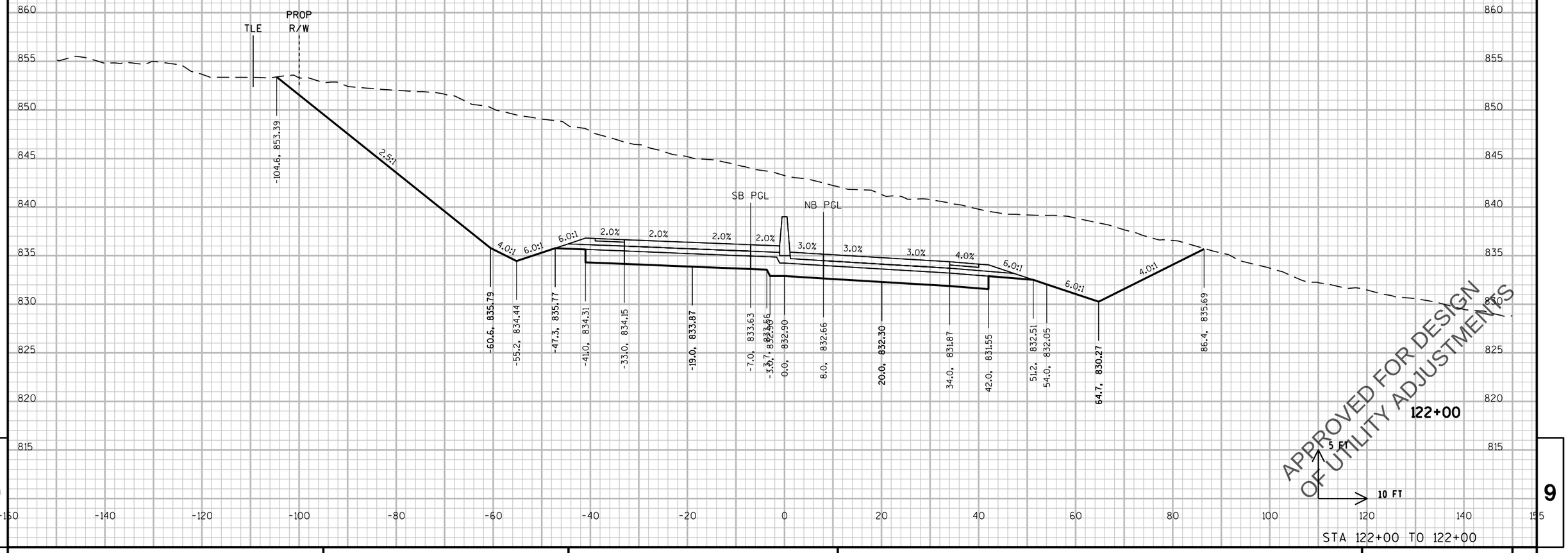
STA 121+50 TO 121+50

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: WAUKESHA BYPASS	SHEET E

PRE_350

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090201_XS_WB.dgn PLOT DATE : 4/11/2016 11:53:08 AM PLOT BY : lzidek PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



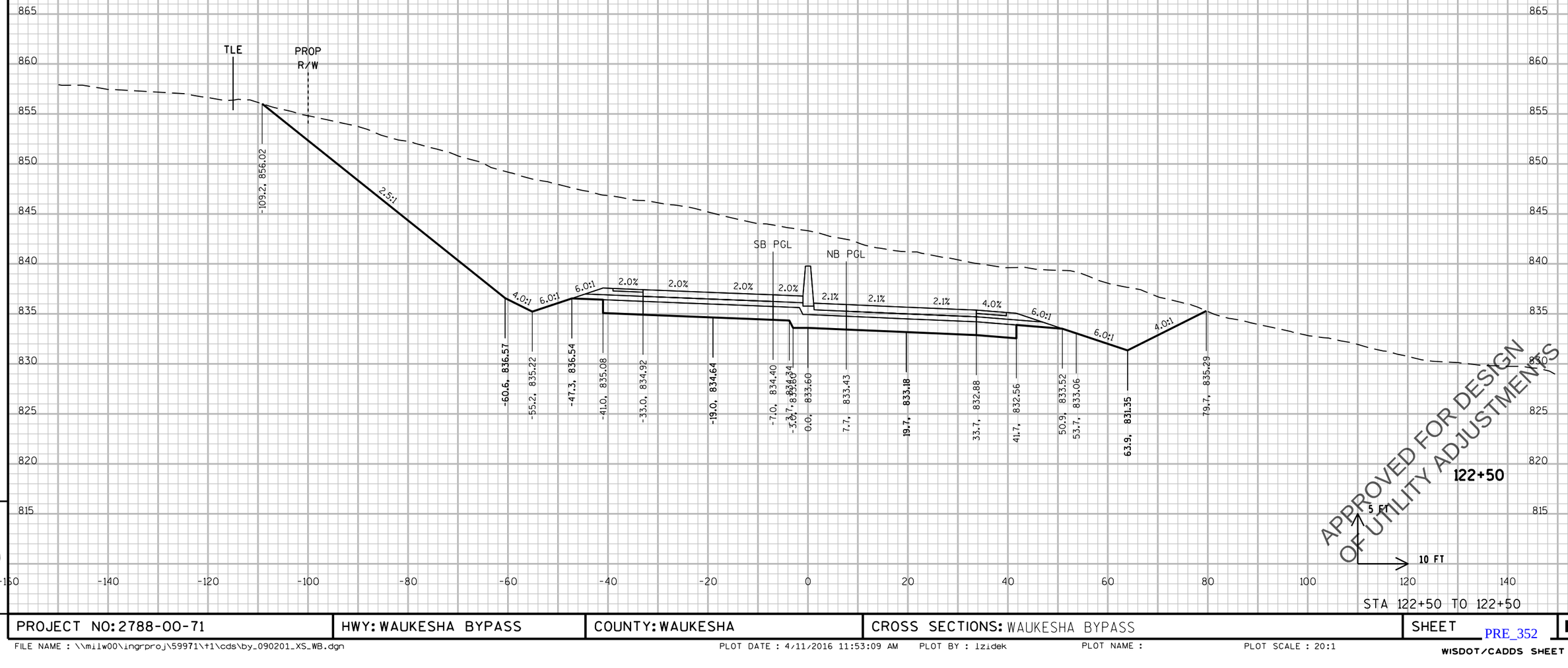
9

9

STA 122+00 TO 122+00

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: WAUKESHA BYPASS	SHEET E

PRE_351



9

9

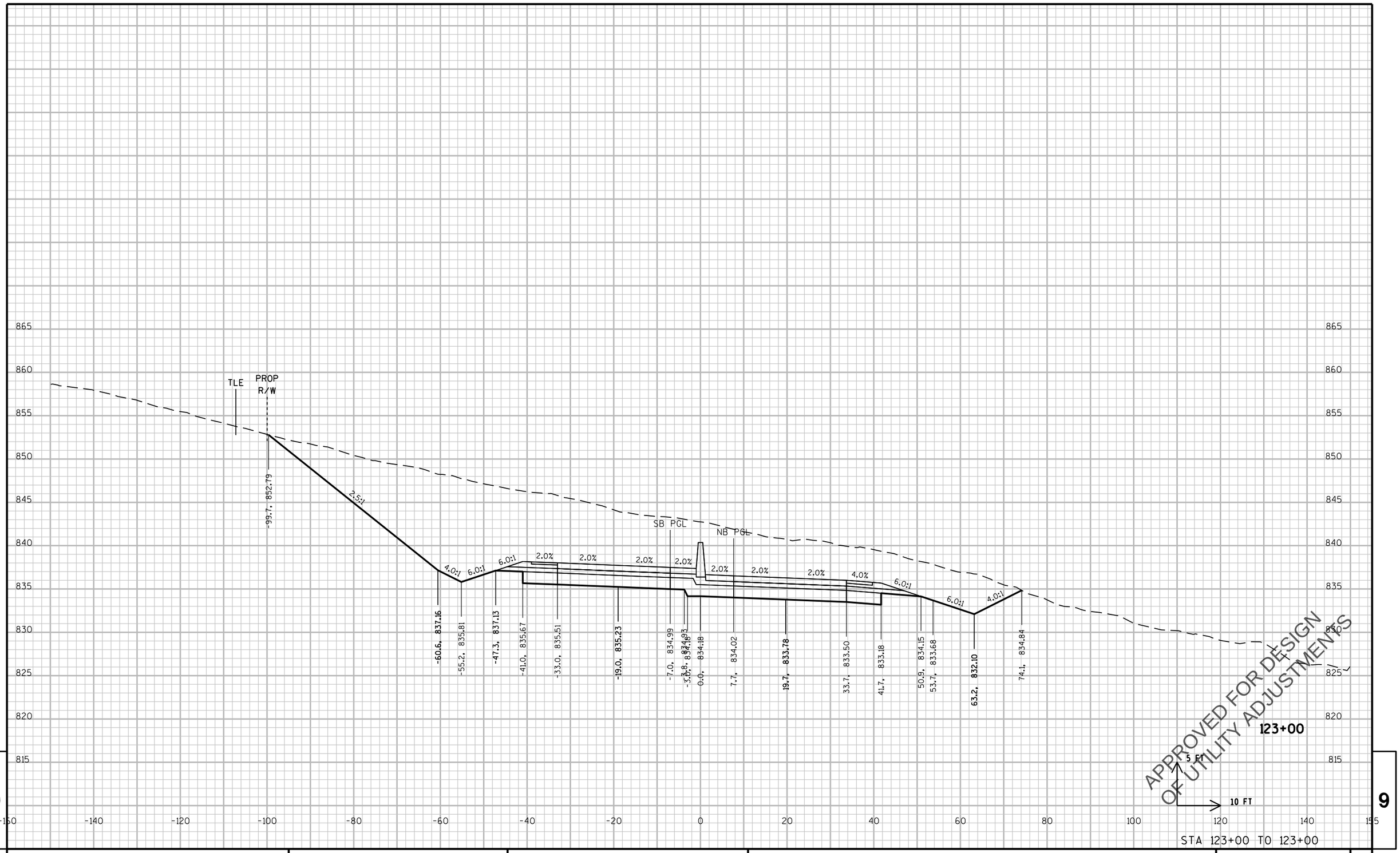
STA 122+50 TO 122+50

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: WAUKESHA BYPASS	SHEET	E

PRE_352

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090201_XS_WB.dgn PLOT DATE : 4/11/2016 11:53:09 AM PLOT BY : lzidek PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



9

9

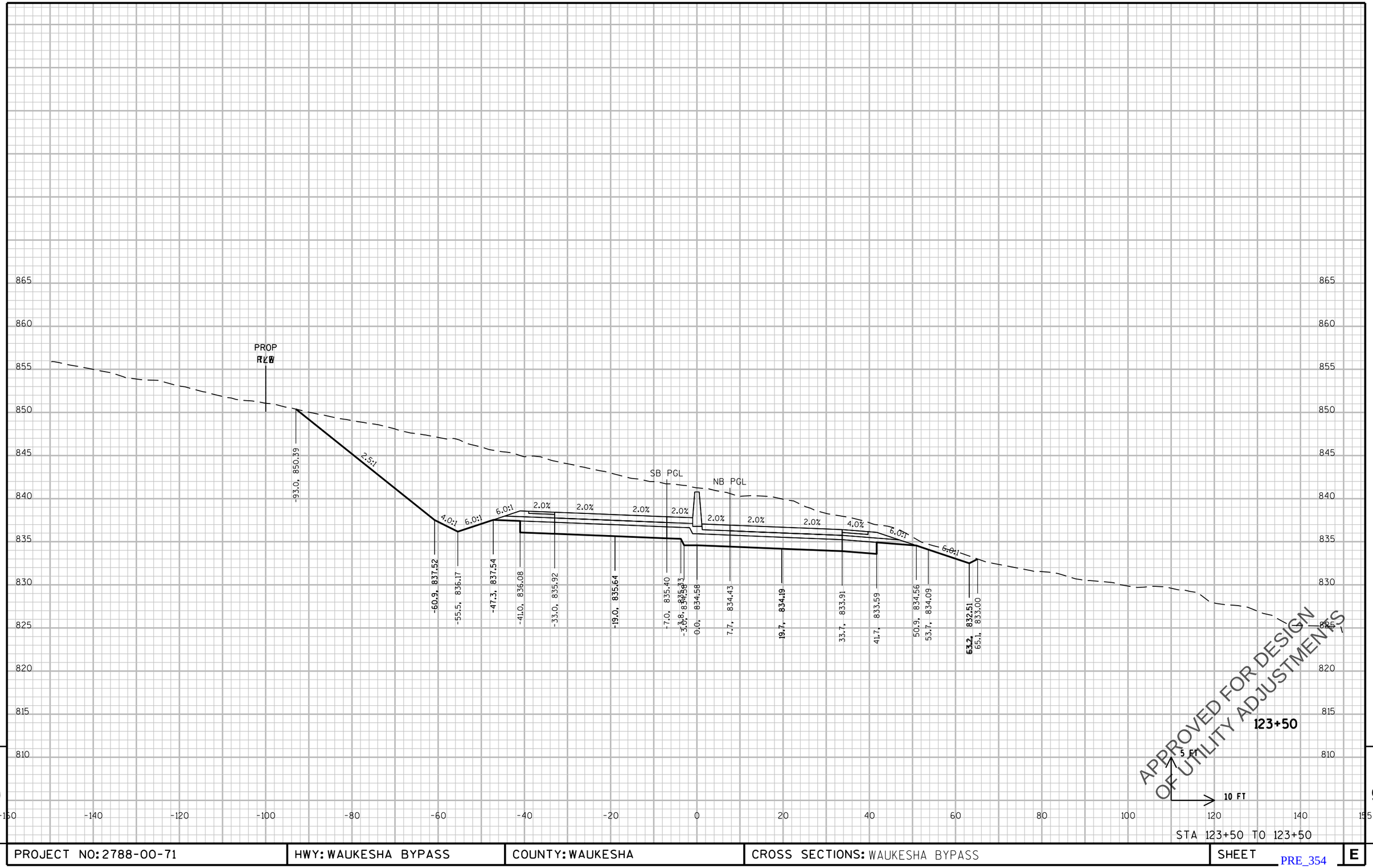
STA 123+00 TO 123+00

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: WAUKESHA BYPASS	SHEET E

PRE_353

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090201_XS_WB.dgn PLOT DATE : 4/11/2016 11:53:09 AM PLOT BY : lzidek PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



9

9

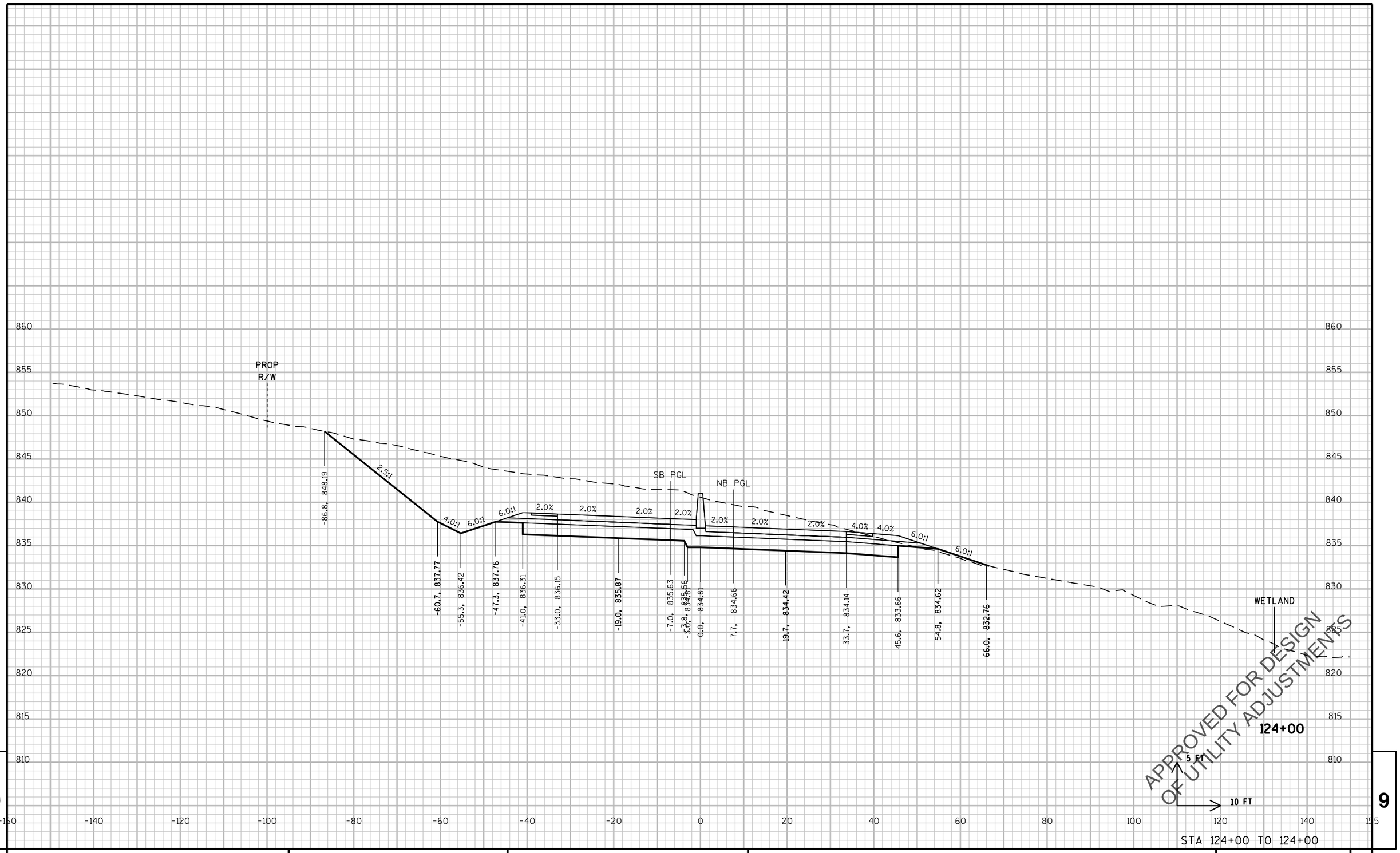
STA 123+50 TO 123+50

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: WAUKESHA BYPASS	SHEET E

PRE_354

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090201_XS_WB.dgn PLOT DATE : 4/11/2016 11:53:10 AM PLOT BY : lzidek PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



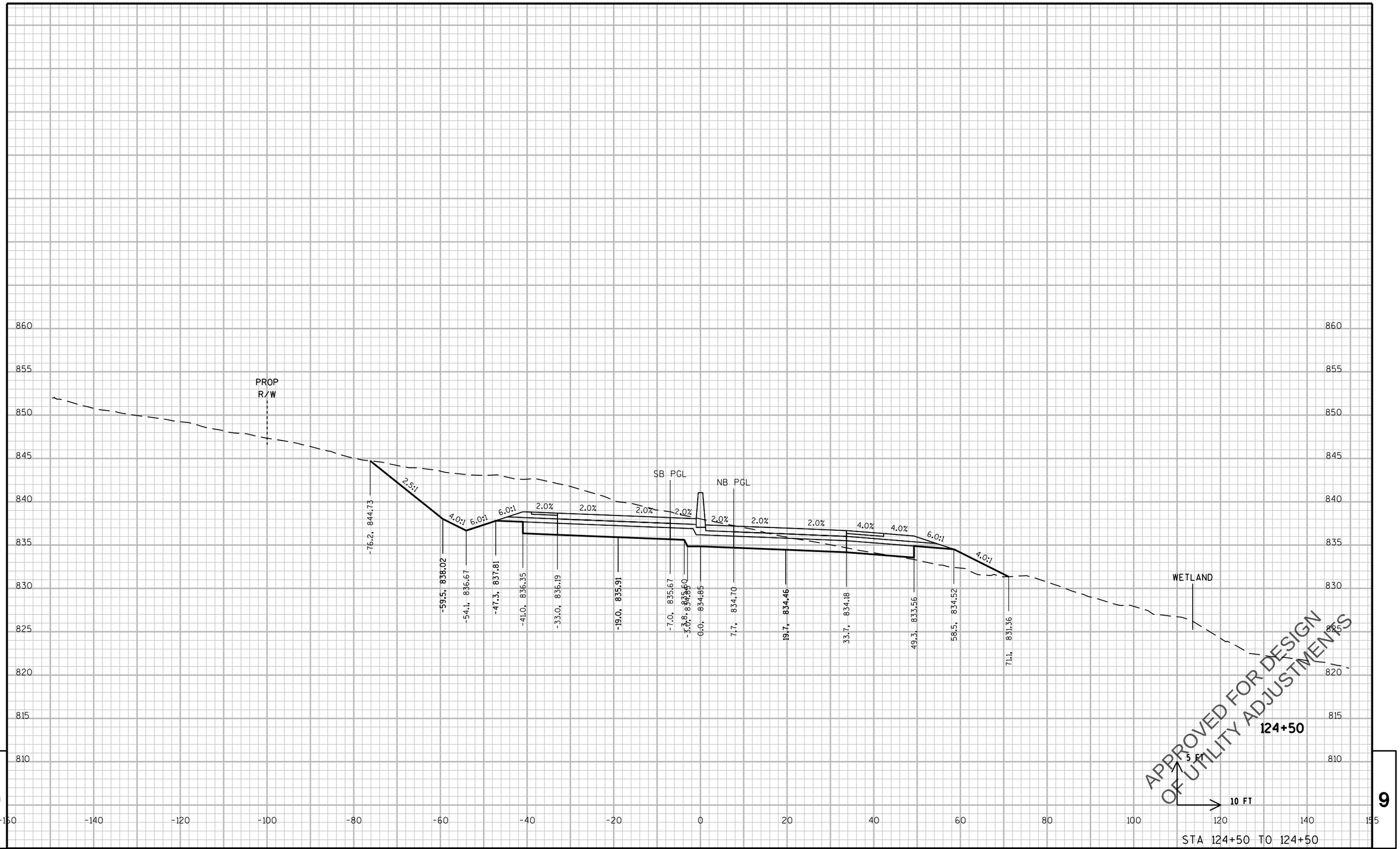
9

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: WAUKESHA BYPASS	SHEET E

PRE_355

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090201_XS_WB.dgn PLOT DATE : 4/11/2016 11:53:10 AM PLOT BY : lzidek PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

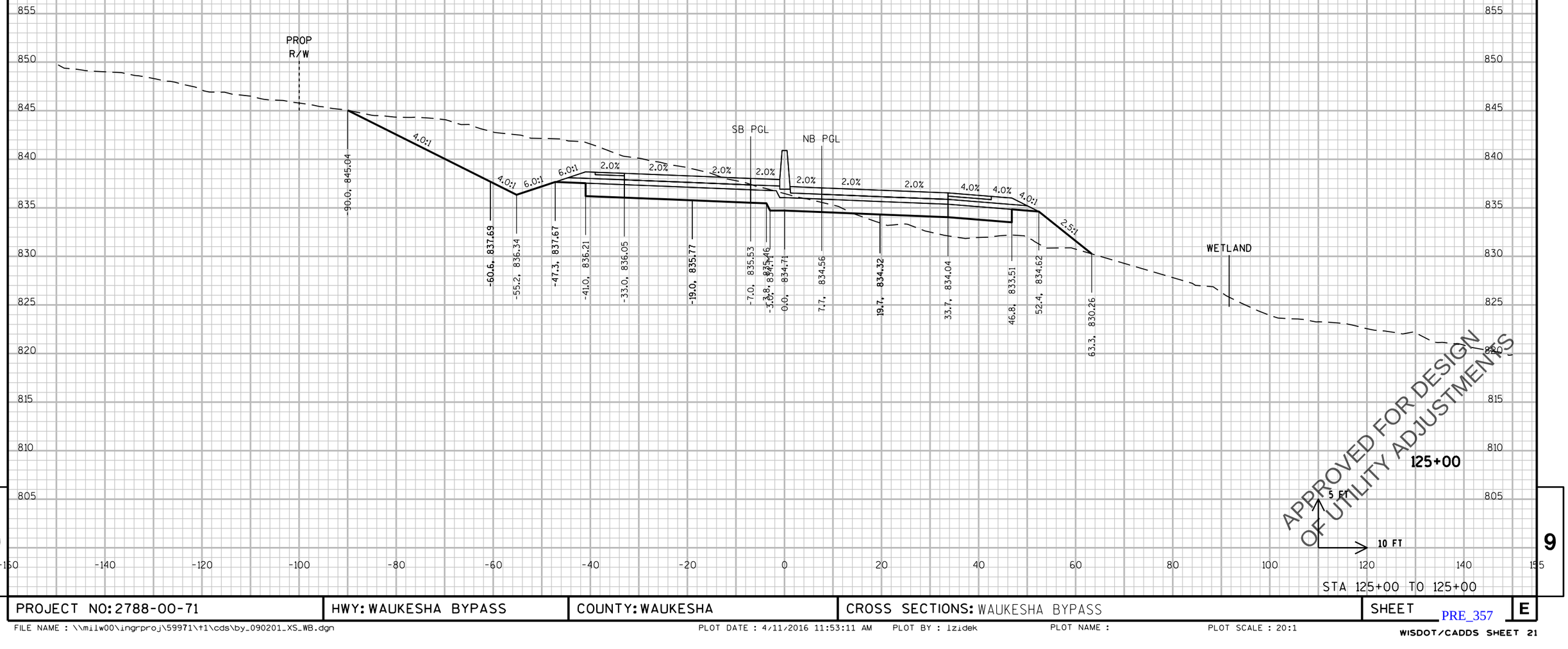


STA 124+50 TO 124+50

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: WAUKESHA BYPASS	SHEET E

PRE_356

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090201_XS_WB.dgn PLOT DATE : 4/11/2016 11:53:11 AM PLOT BY : lzidek PLOT NAME : PLOT SCALE : 20:1

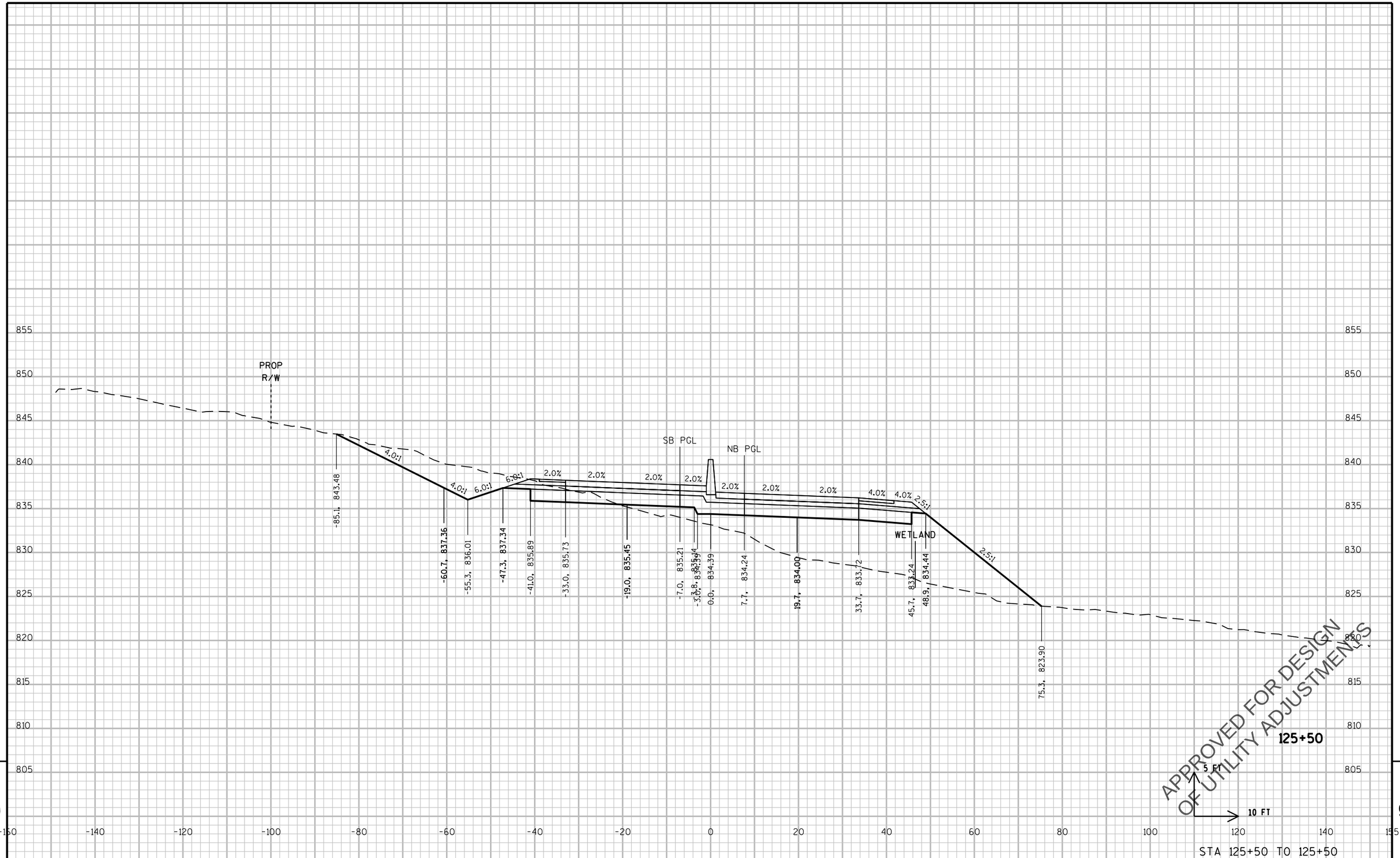


PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: WAUKESHA BYPASS	SHEET E

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090201_XS_WB.dgn PLOT DATE : 4/11/2016 11:53:11 AM PLOT BY : lzidek PLOT NAME : PLOT SCALE : 20:1

PRE_357

WISDOT/CADDS SHEET 21



9

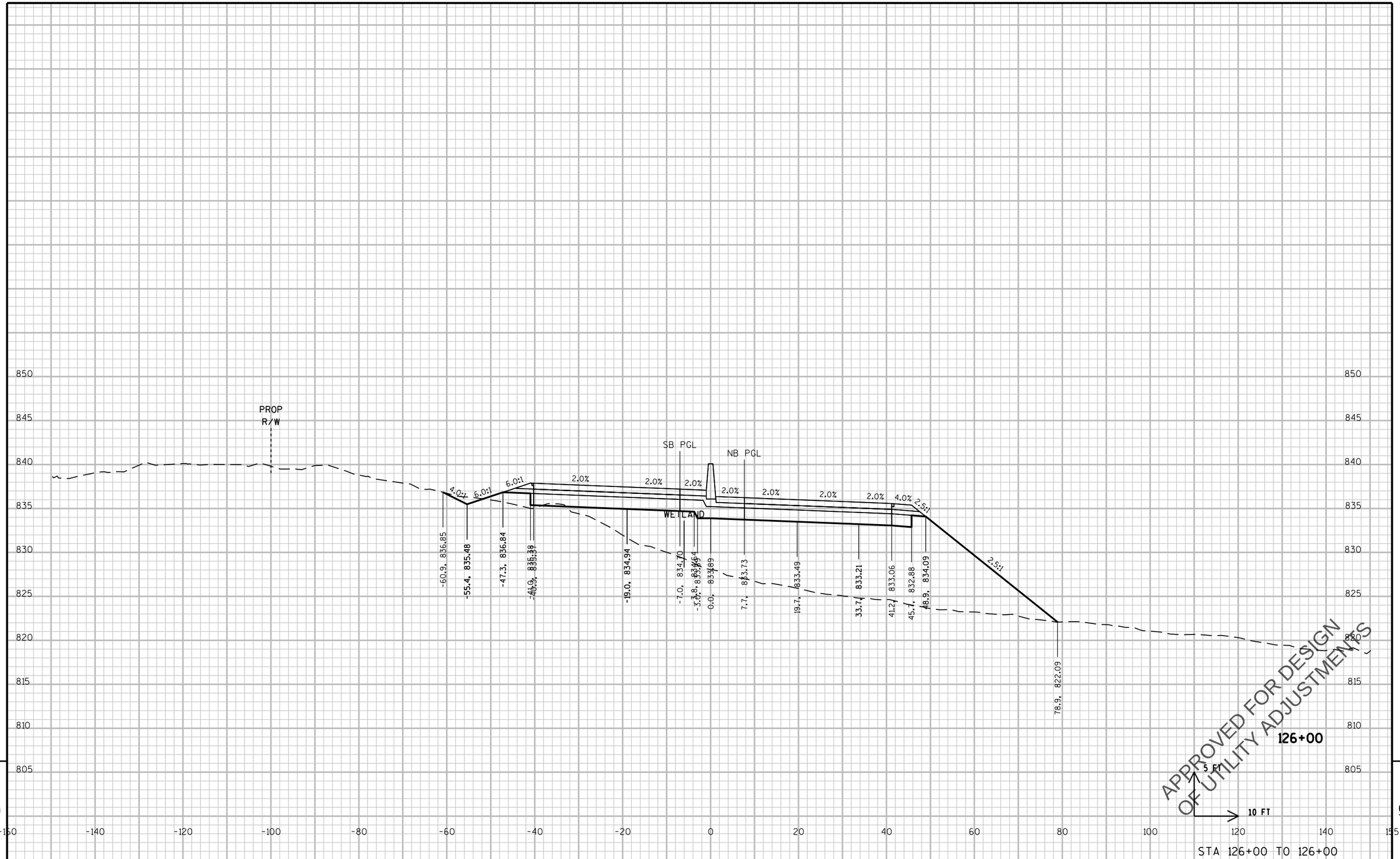
STA 125+50 TO 125+50

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: WAUKESHA BYPASS	SHEET E

PRE_358

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090201_XS_WB.dgn PLOT DATE : 4/11/2016 11:53:12 AM PLOT BY : lzidek PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



STA 126+00 TO 126+00

9

9

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: WAUKESHA BYPASS	SHEET E

PRE_359

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090201_XS_WB.dgn PLOT DATE : 4/11/2016 11:53:12 AM PLOT BY : lzidek PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

PROP R/W

SB PGL

NB PGL

WETLAND

6.0:1 6.0:1 2.0% 2.0% 2.0% 2.0% 2.0% 2.0% 2.0% 4.0% 2.5:1 2.5:1

-57.9, 836.08
-55.4, 835.44
-47.3, 836.80
-40.9, 835.34
-19.0, 834.90
-7.0, 834.66
-3.8, 834.69
-3.0, 834.84
0.0, 833.84
7.7, 833.69
19.7, 833.45
33.7, 833.17
41.6, 833.01
45.7, 832.85
48.9, 834.05
79.0, 822.03

850 845 840 835 830 825 820 815 810 805

-160 -140 -120 -100 -80 -60 -40 -20 0 20 40 60 80 100 120 140 155

APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS

126+04
STATION
BACK

5 FT

10 FT

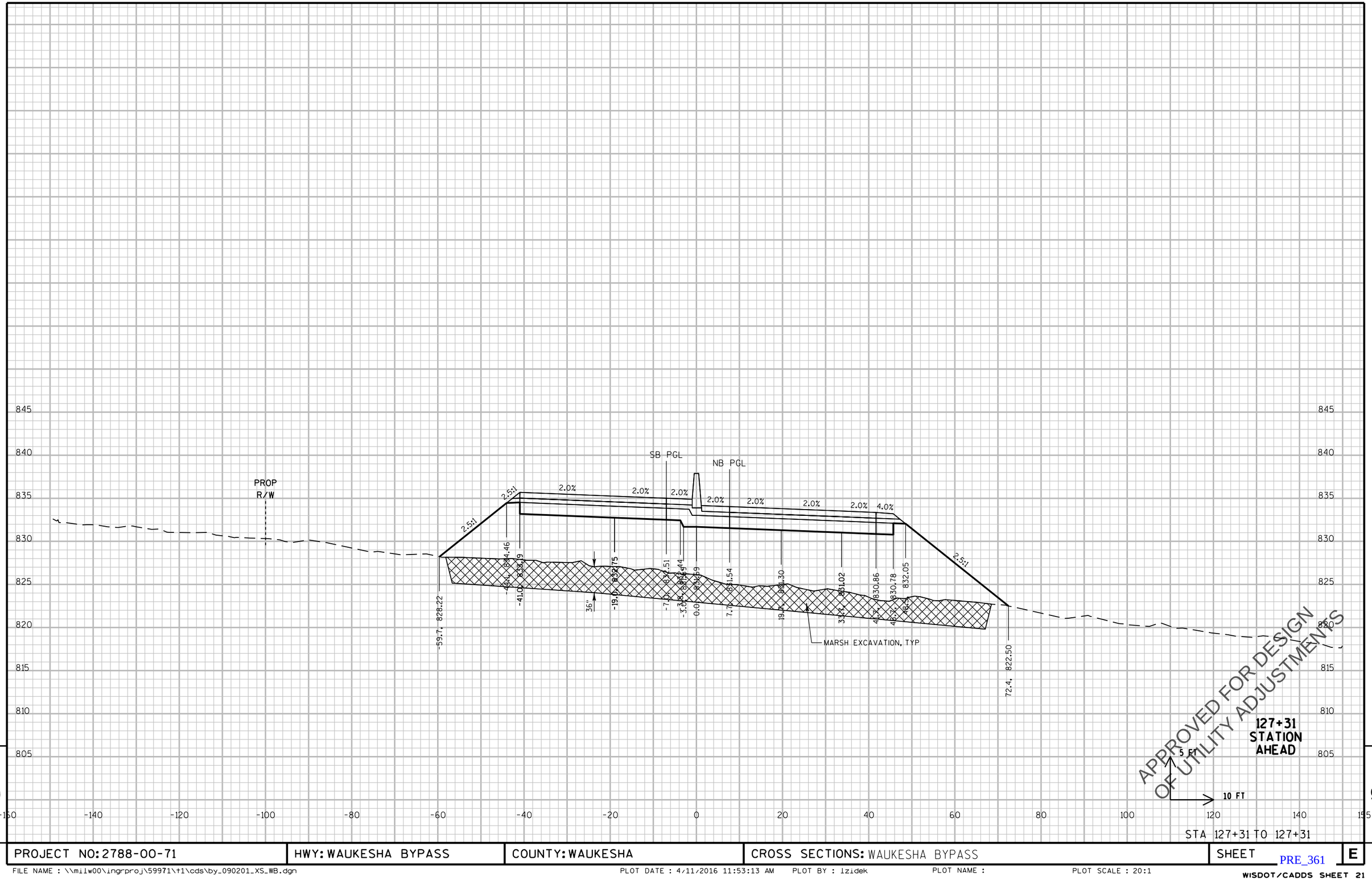
STA 126+04 TO 126+04

9

9

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: WAUKESHA BYPASS	SHEET E

PRE_360



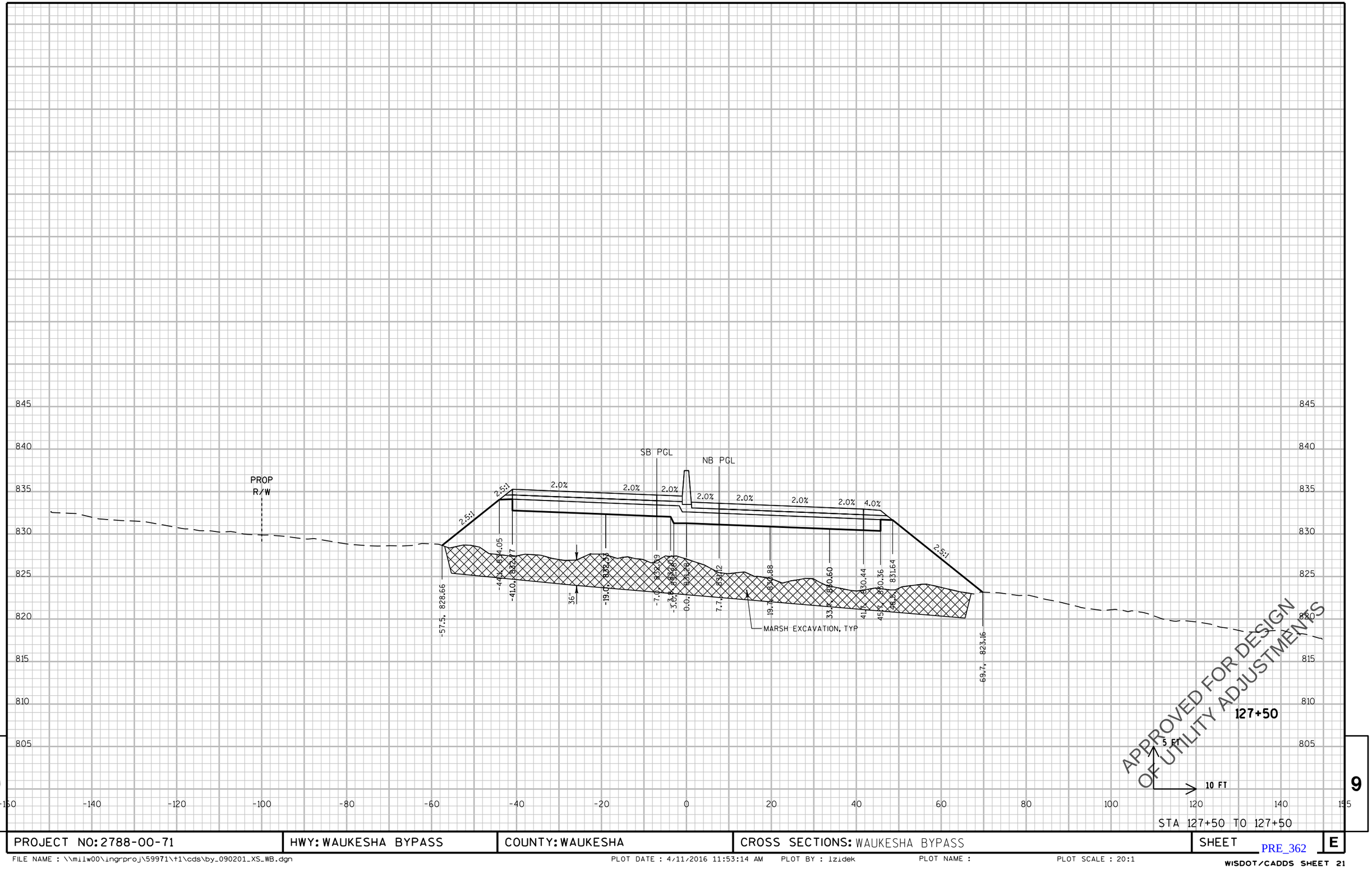
9

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: WAUKESHA BYPASS	SHEET E

PRE_361

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090201_XS_WB.dgn PLOT DATE : 4/11/2016 11:53:13 AM PLOT BY : lzidek PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



9

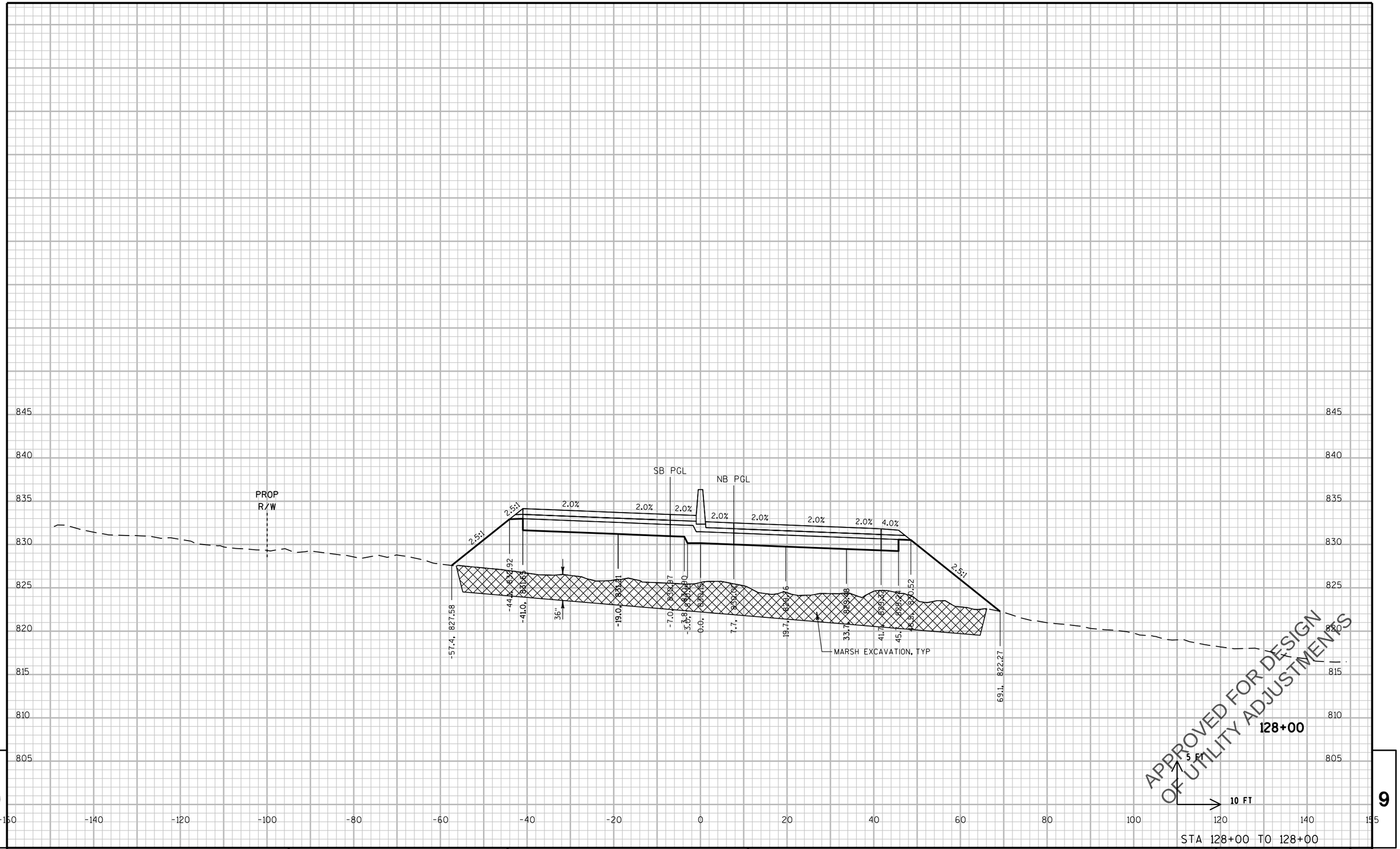
9

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: WAUKESHA BYPASS	SHEET E

PRE_362

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090201_XS_WB.dgn PLOT DATE : 4/11/2016 11:53:14 AM PLOT BY : lzidek PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



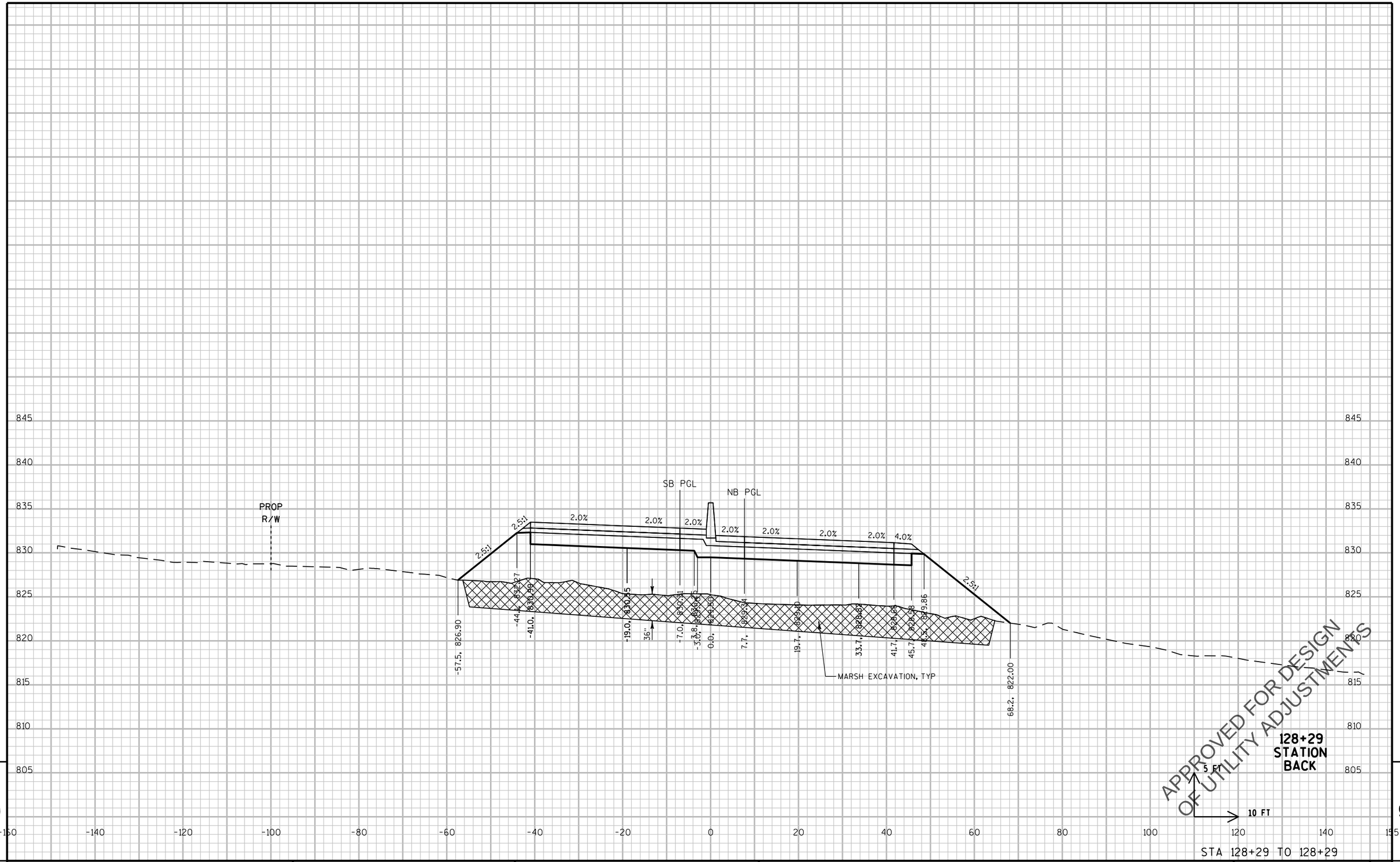
STA 128+00 TO 128+00

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: WAUKESHA BYPASS	SHEET E

PRE_363

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090201_XS_WB.dgn PLOT DATE : 4/11/2016 11:53:14 AM PLOT BY : lzidek PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



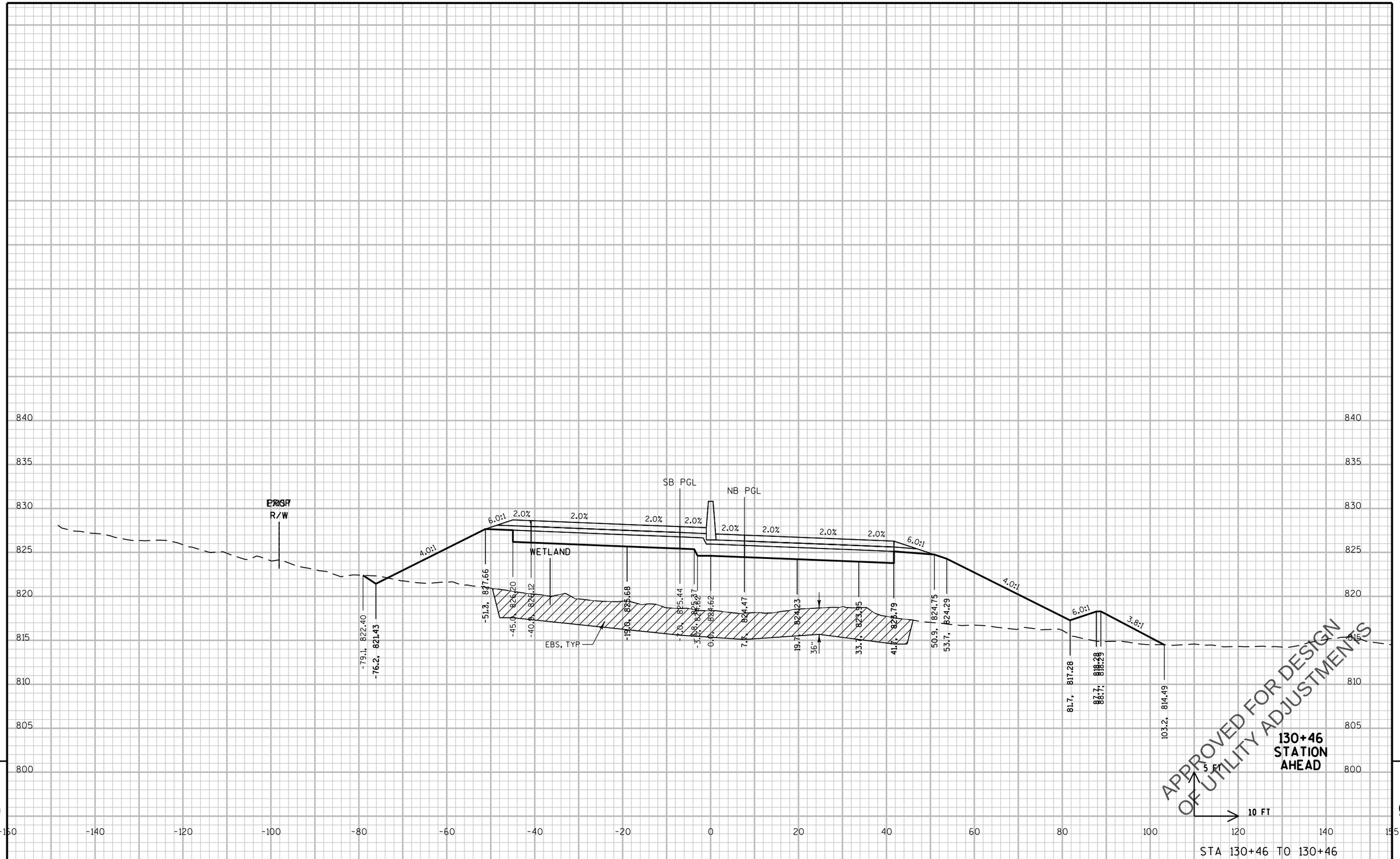
STA 128+29 TO 128+29

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: WAUKESHA BYPASS	SHEET E

PRE_364

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090201_XS_WB.dgn PLOT DATE : 4/11/2016 11:53:14 AM PLOT BY : lzidek PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



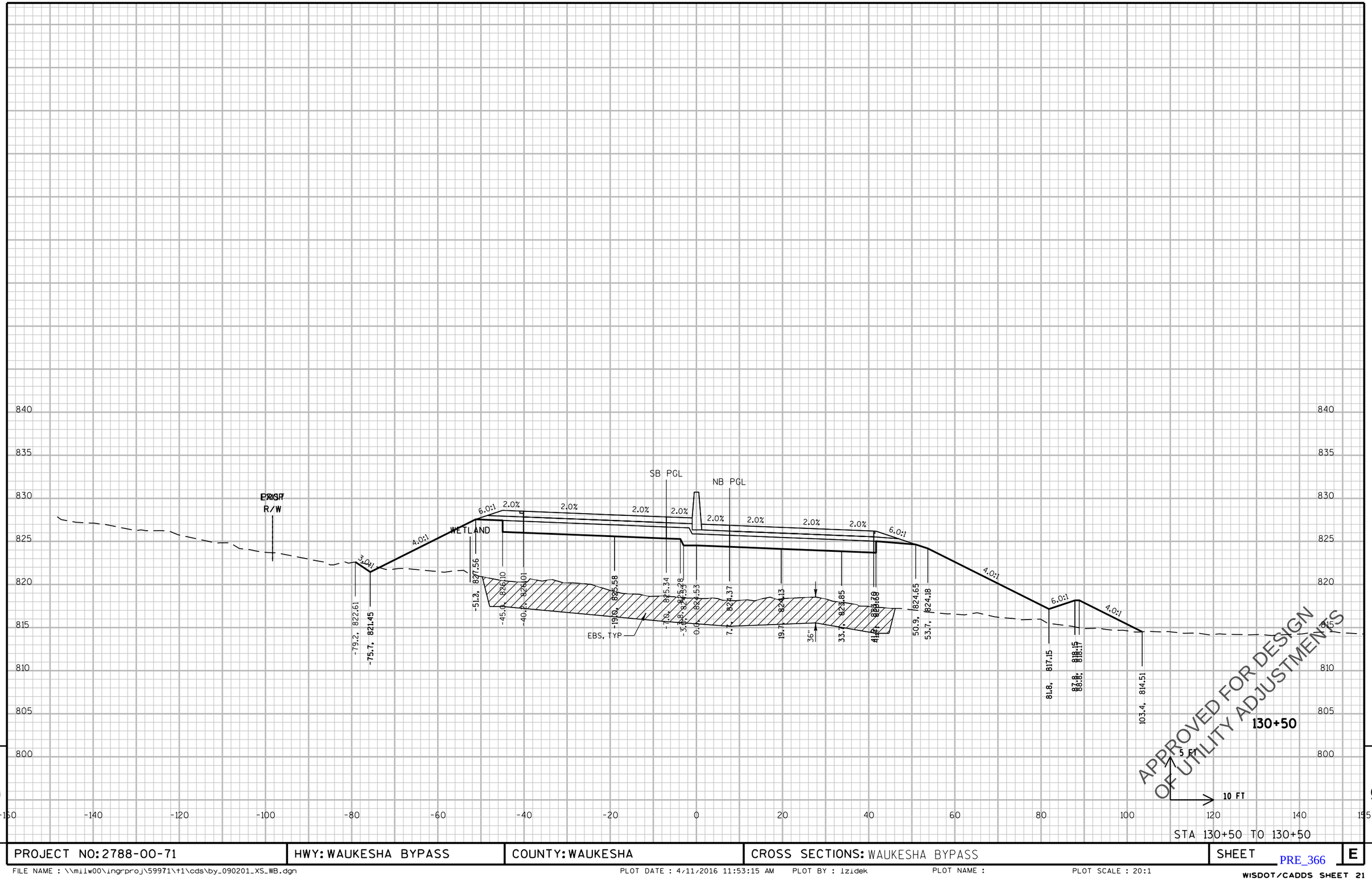
9 9

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: WAUKESHA BYPASS	SHEET E

PRE_365

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090201_XS_WB.dgn PLOT DATE : 4/11/2016 11:53:15 AM PLOT BY : lzidek PLOT NAME : PLOT SCALE : 20:1

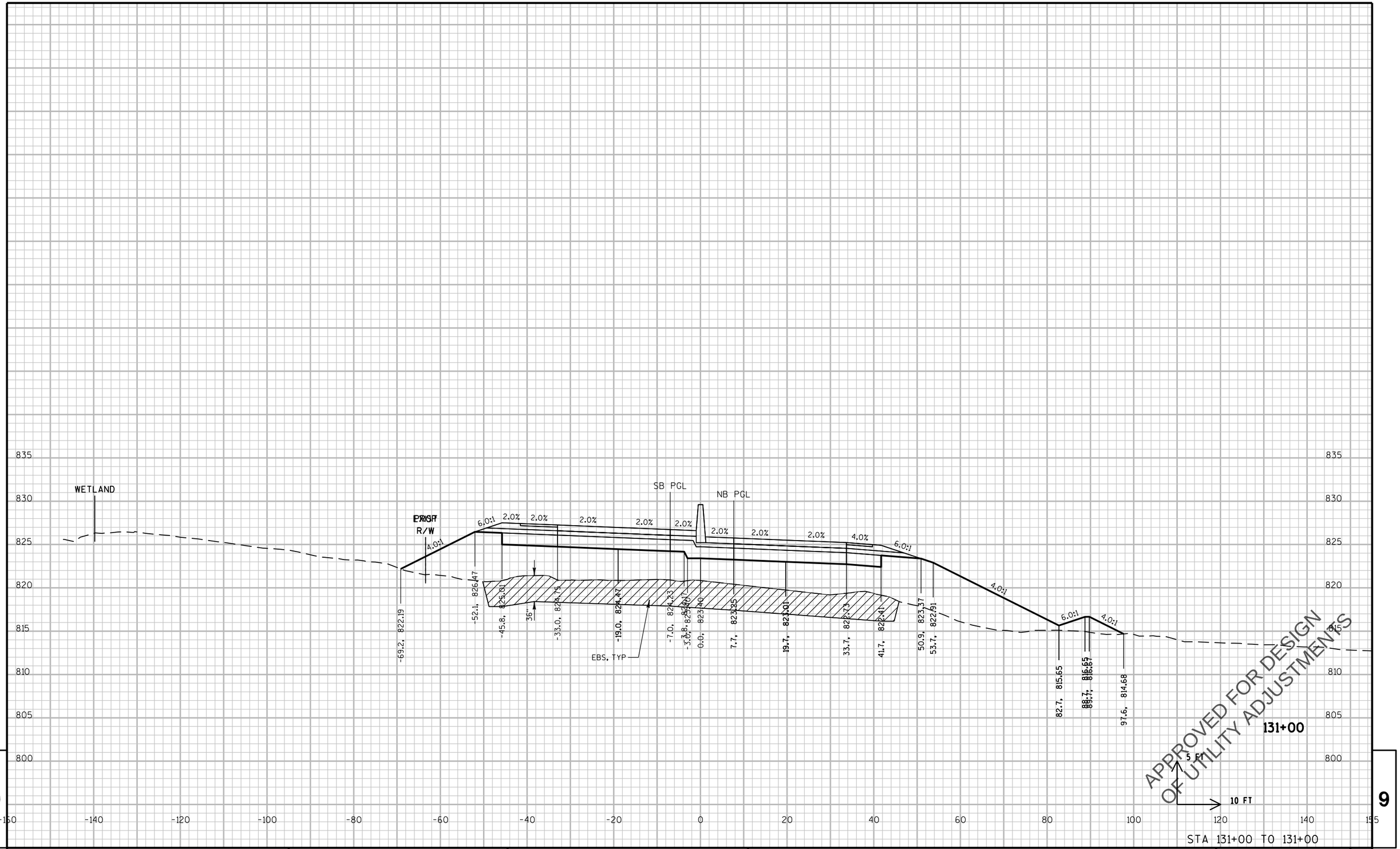
WISDOT/CADDS SHEET 21



STA 130+50 TO 130+50

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: WAUKESHA BYPASS	SHEET E

PRE_366



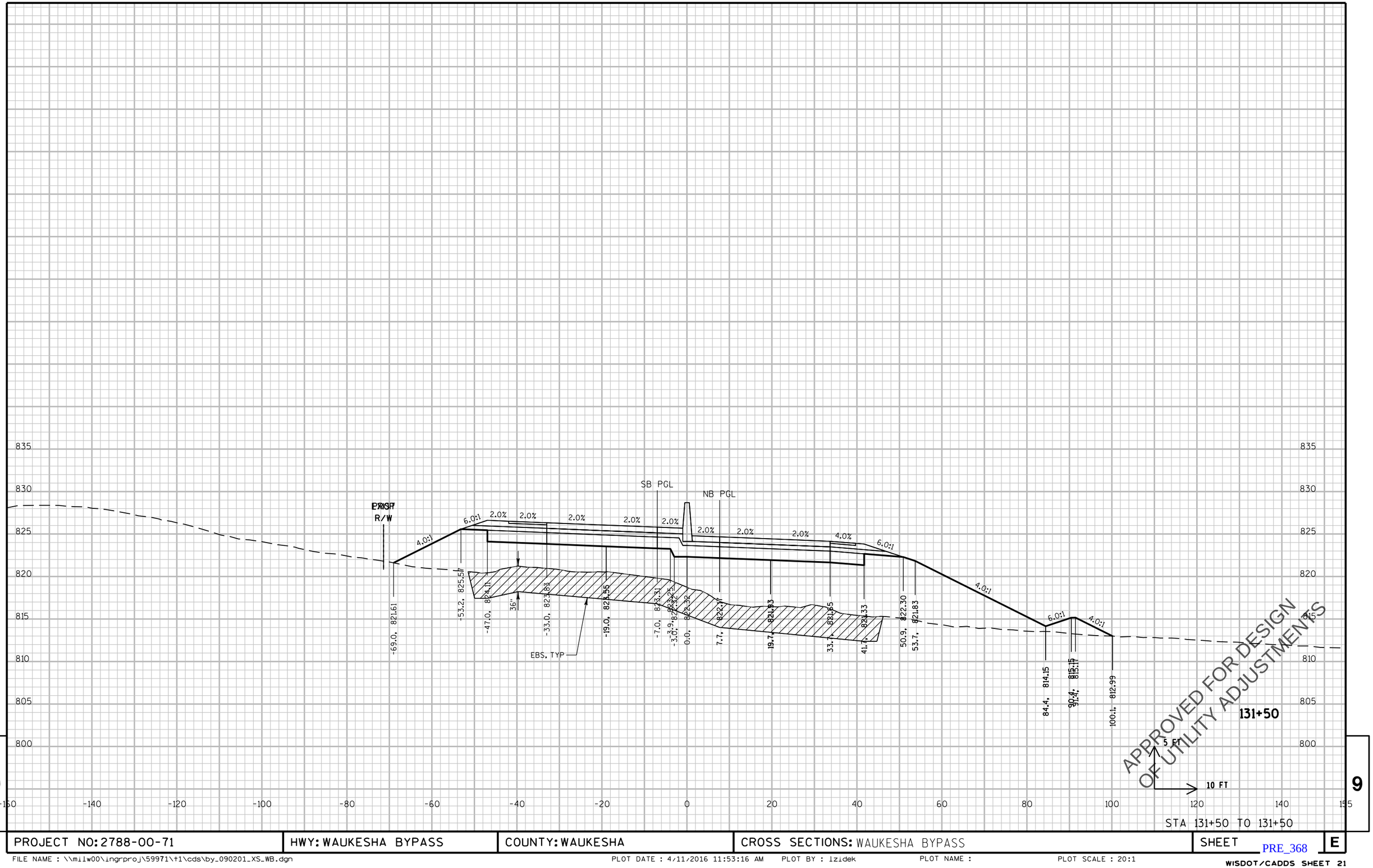
9 9

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: WAUKESHA BYPASS	SHEET E

PRE_367

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090201_XS_WB.dgn PLOT DATE : 4/11/2016 11:53:16 AM PLOT BY : lzidek PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

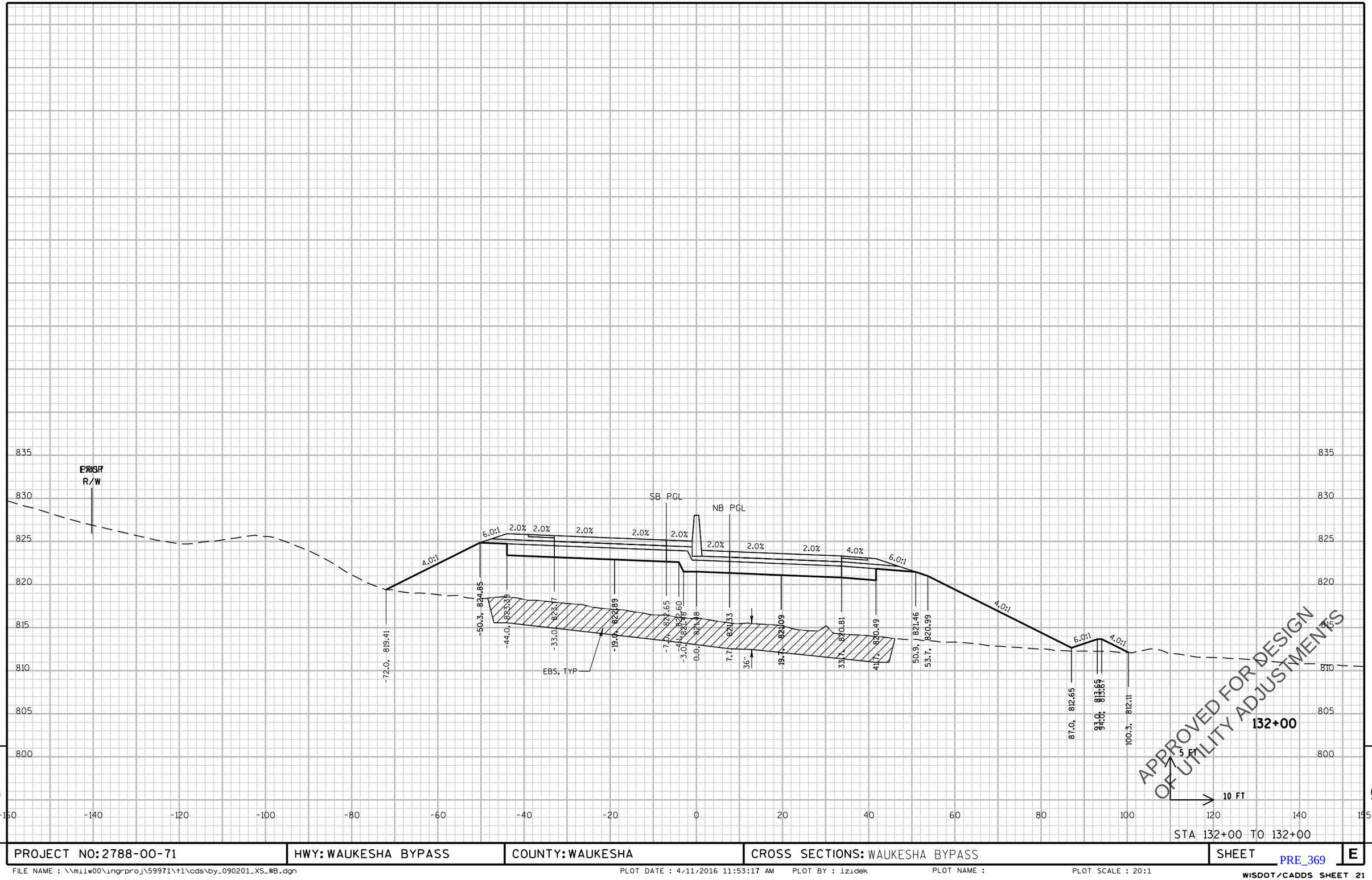


STA 131+50 TO 131+50

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: WAUKESHA BYPASS	SHEET	E

PRE_368

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090201_XS_WB.dgn PLOT DATE : 4/11/2016 11:53:16 AM PLOT BY : lzidek PLOT NAME : PLOT SCALE : 20:1

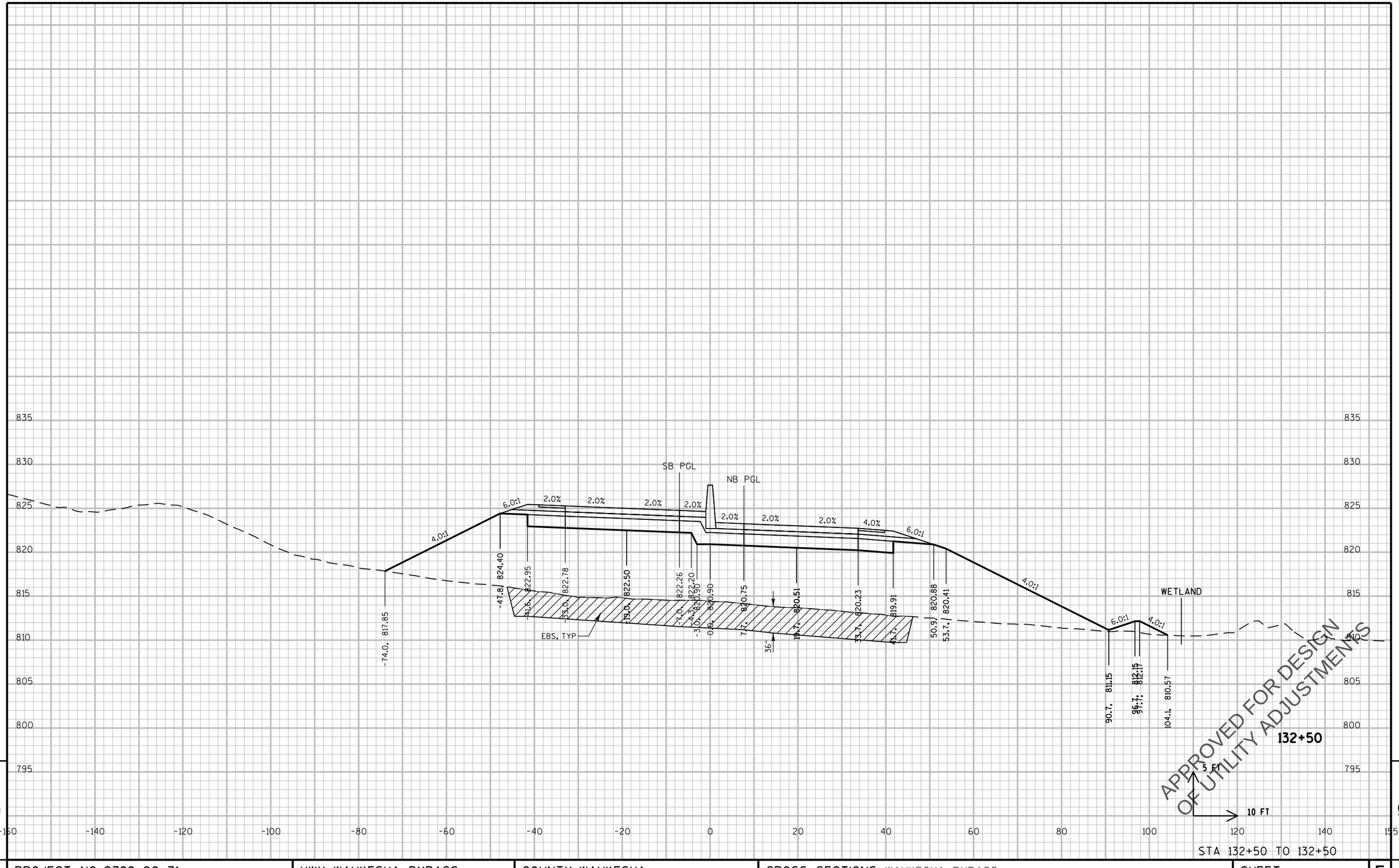


PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: WAUKESHA BYPASS	SHEET E

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090201_XS_WB.dgn PLOT DATE : 4/11/2016 11:53:17 AM PLOT BY : lzidek PLOT NAME : PLOT SCALE : 20:1

PRE_369

WISDOT/CADDS SHEET 21

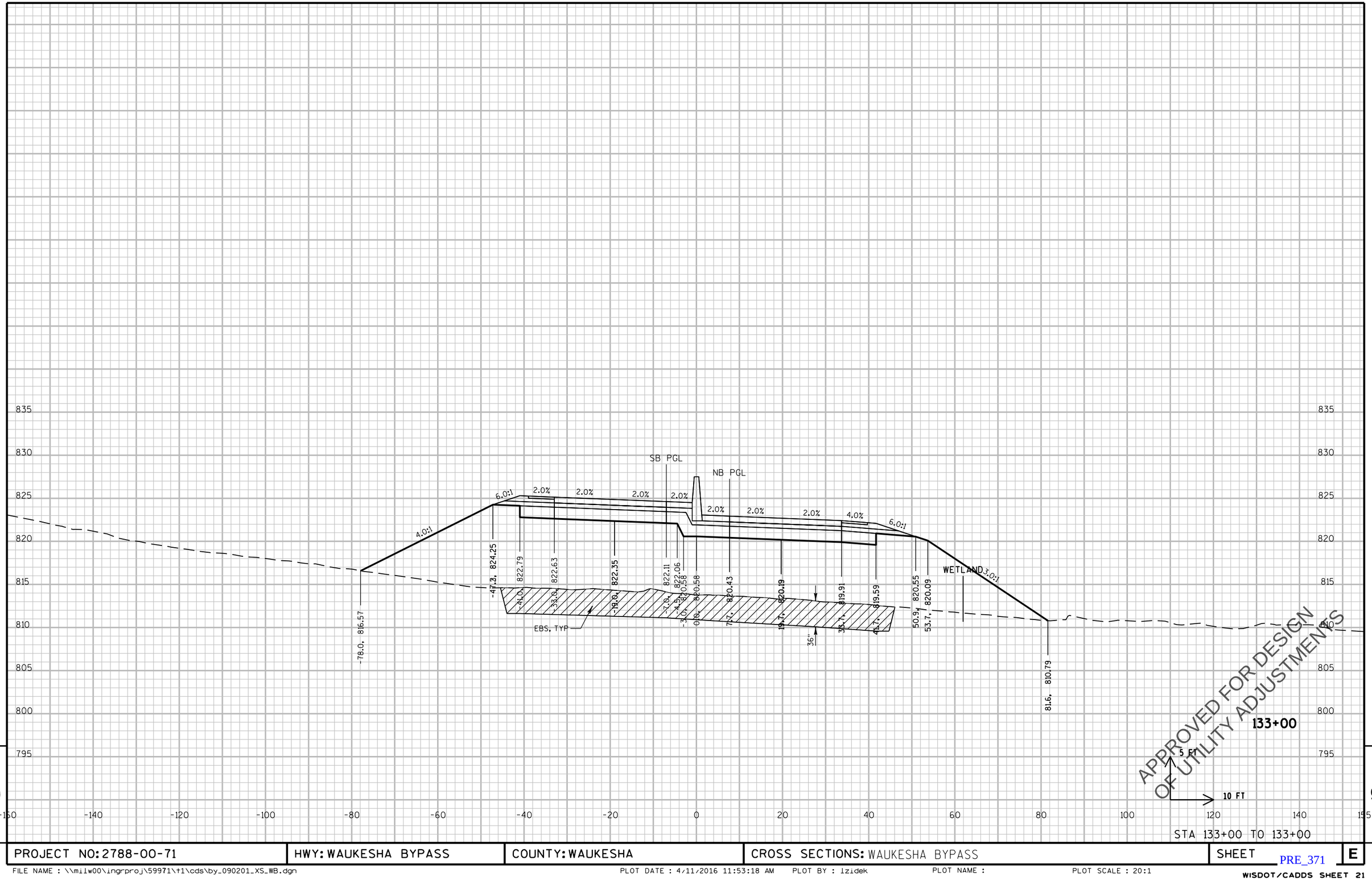


PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: WAUKESHA BYPASS	SHEET	E

PRE_370

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090201_XS_WB.dgn PLOT DATE : 4/11/2016 11:53:17 AM PLOT BY : lzidek PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



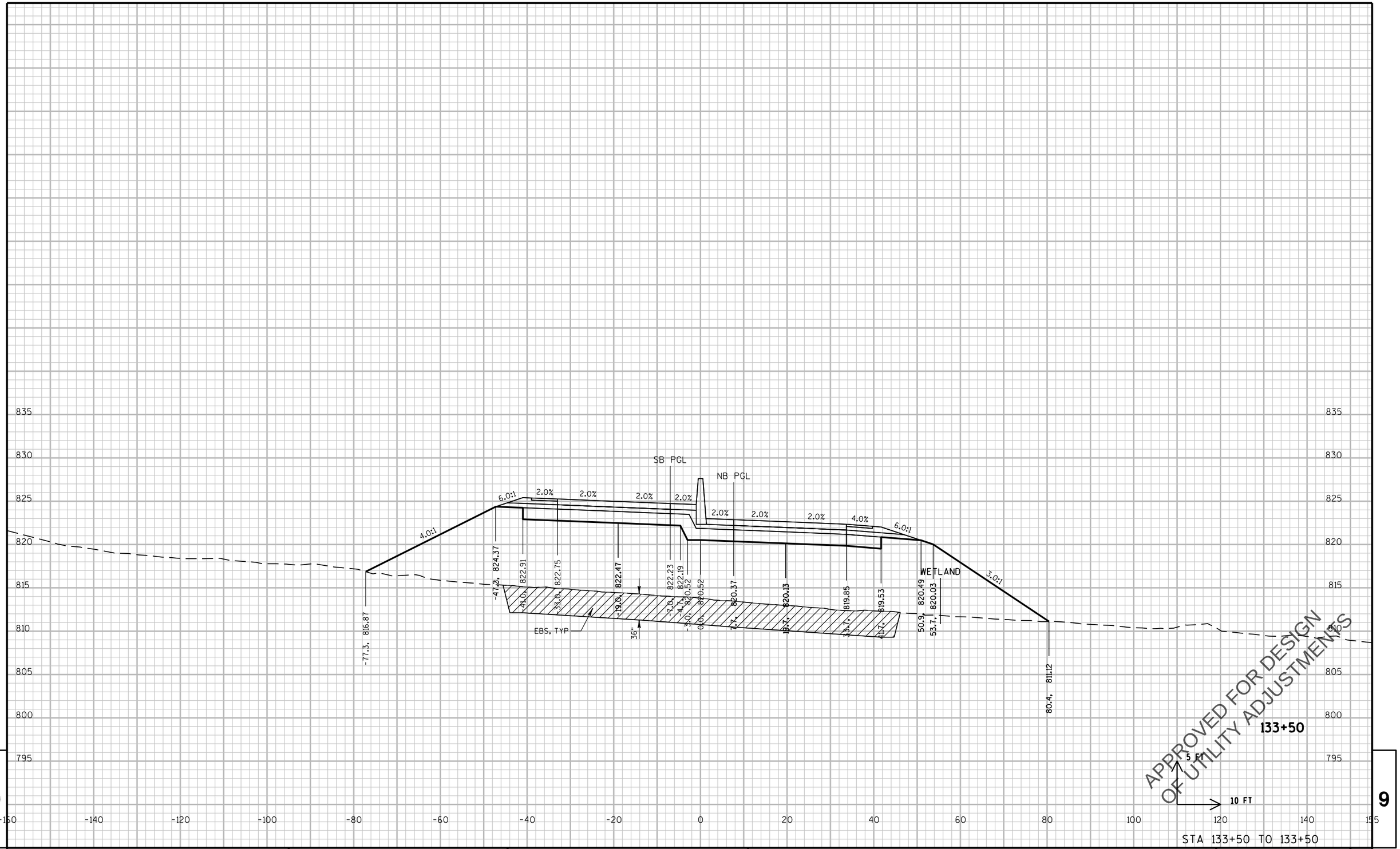
STA 133+00 TO 133+00

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: WAUKESHA BYPASS	SHEET E

PRE_371

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090201_XS_WB.dgn PLOT DATE : 4/11/2016 11:53:18 AM PLOT BY : lzidek PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



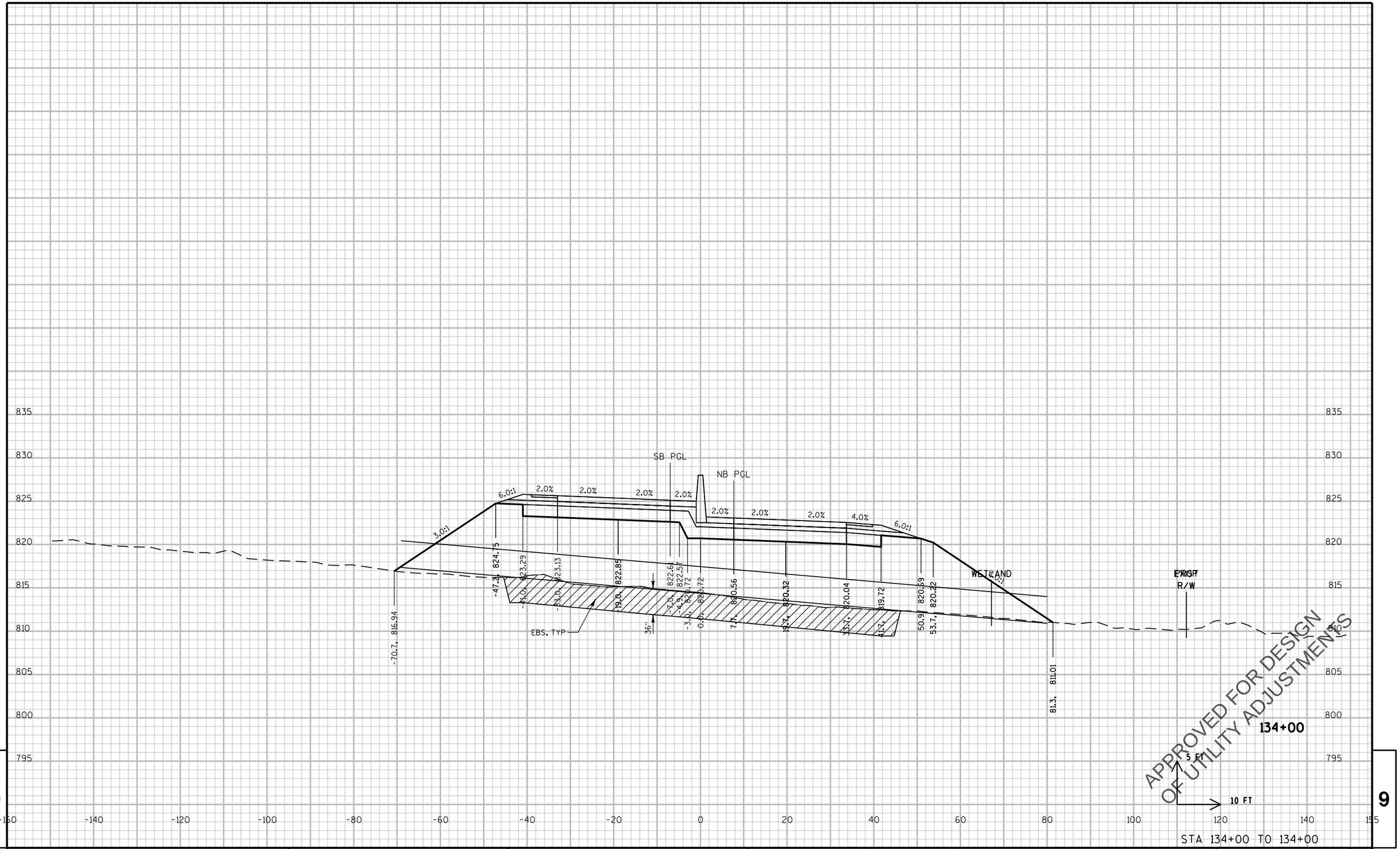
STA 133+50 TO 133+50

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: WAUKESHA BYPASS	SHEET E

PRE_372

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090201_XS_WB.dgn PLOT DATE : 4/11/2016 11:53:18 AM PLOT BY : lzidek PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



9

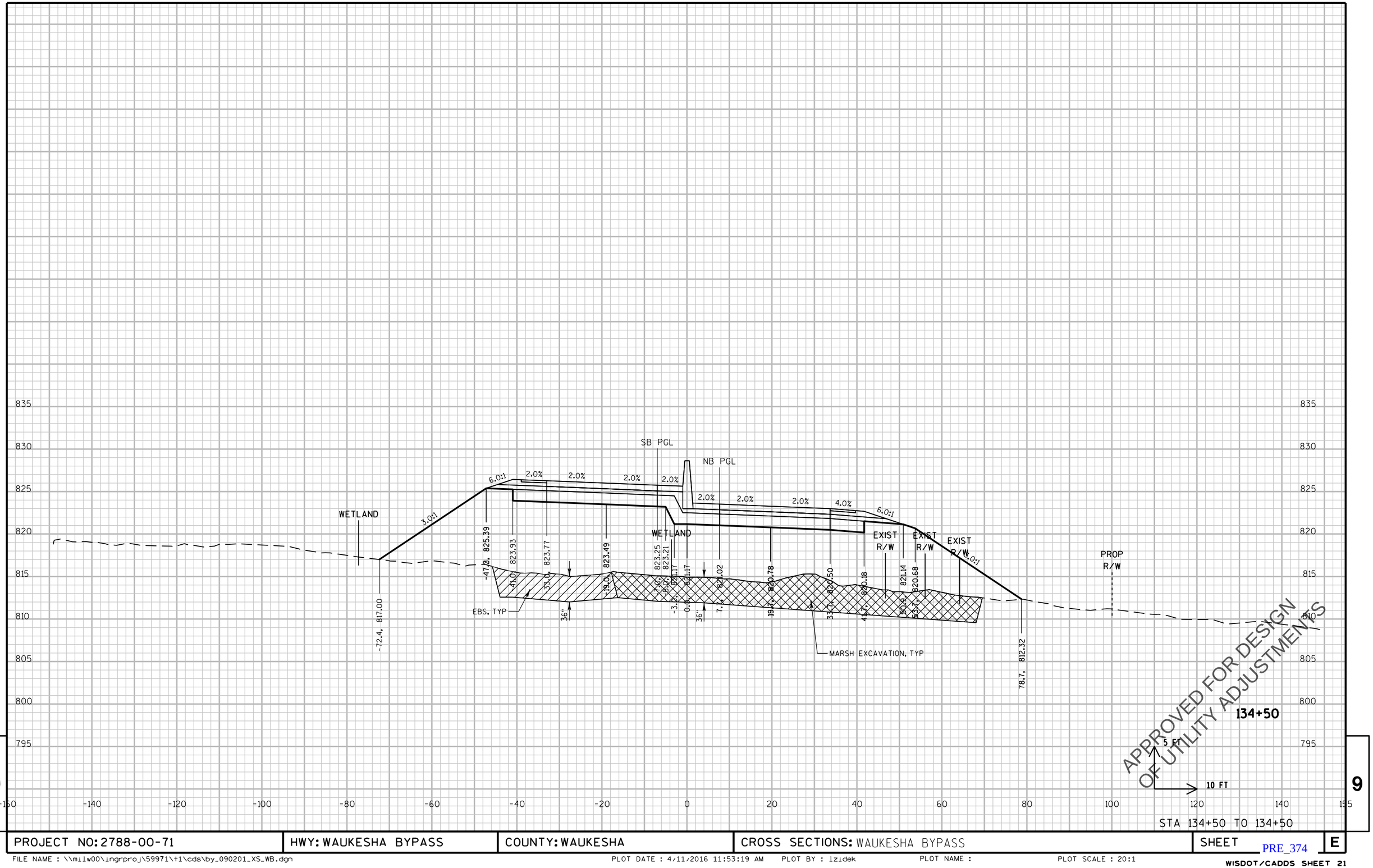
9

STA 134+00 TO 134+00

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: WAUKESHA BYPASS	SHEET E

PRE_373

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090201_XS_WB.dgn PLOT DATE : 4/11/2016 11:53:19 AM PLOT BY : lzidek PLOT NAME : PLOT SCALE : 20:1



9

9

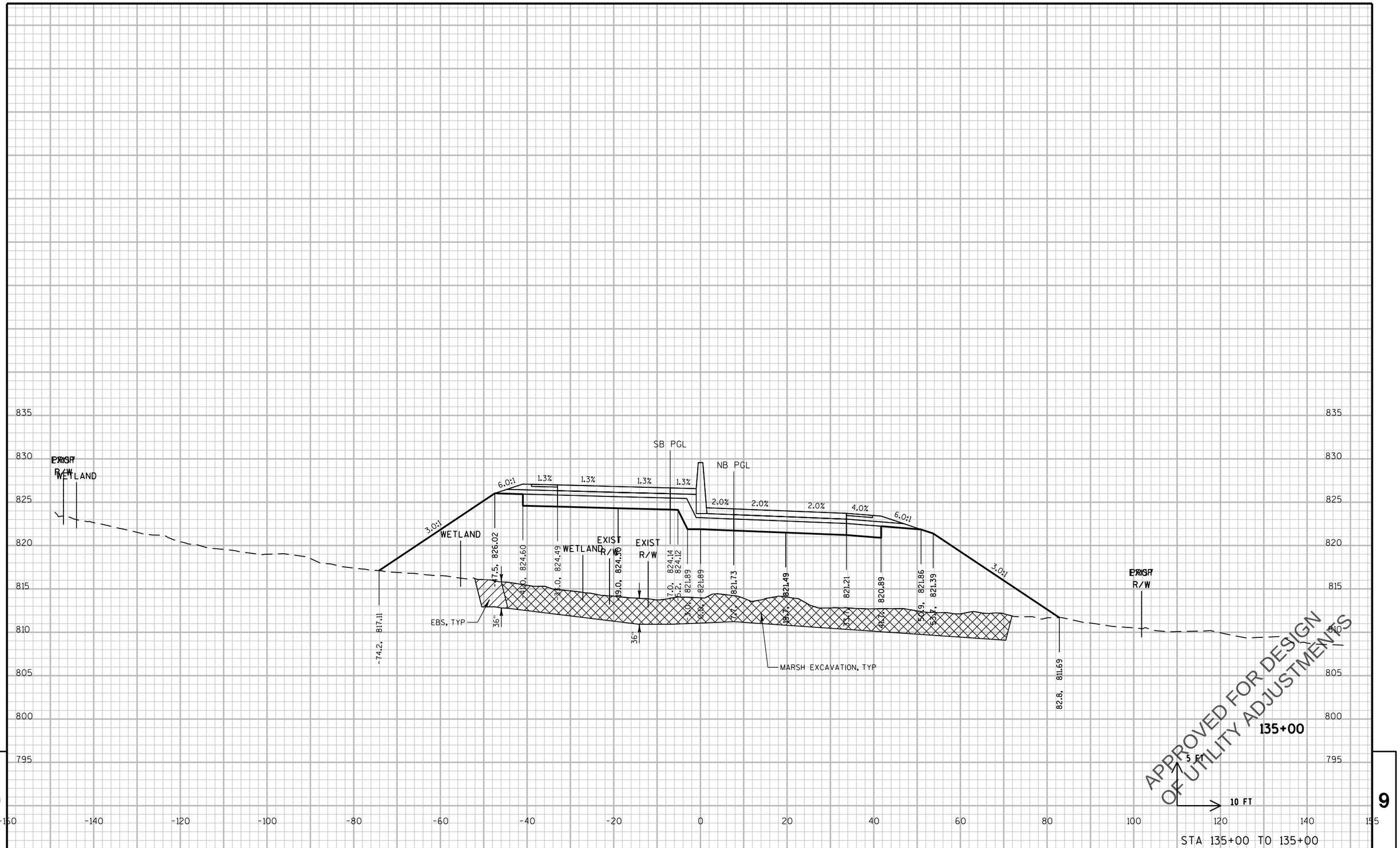
STA 134+50 TO 134+50

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: WAUKESHA BYPASS	SHEET E

PRE_374

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090201_XS_WB.dgn PLOT DATE : 4/11/2016 11:53:19 AM PLOT BY : lzidek PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



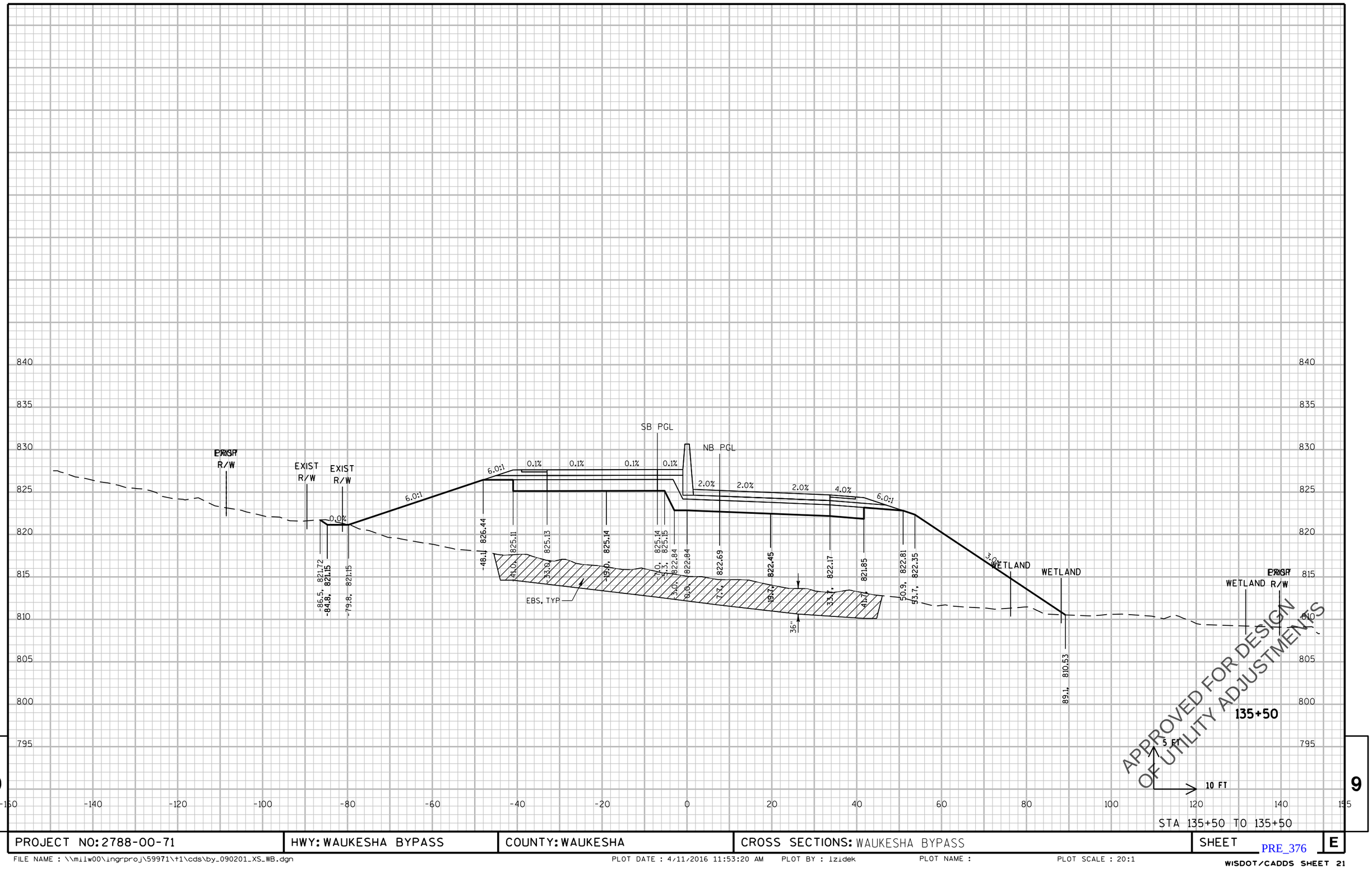
STA 135+00 TO 135+00

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: WAUKESHA BYPASS	SHEET E

PRE_375

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090201_XS_WB.dgn PLOT DATE : 4/11/2016 11:53:20 AM PLOT BY : lzidek PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS

STA 135+50 TO 135+50

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: WAUKESHA BYPASS	SHEET E

PRE_376

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090201_XS_WB.dgn PLOT DATE : 4/11/2016 11:53:20 AM PLOT BY : lzidek PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

PROP R/W

SB PGL

NB PGL

4.0:1 4.0% 2.0% 2.0% 2.0% 0.3% 0.3% 0.3% 0.7% 6.0:1 6.0:1 4.0:1 6.0:1 3.0:1

-81.5, 826.88
-71.1, 824.28
-66.1, 824.28
-50.2, 826.93
-41.0, 825.30
-33.0, 826.28
-19.0, 826.56
-7.0, 826.80
5.3, 826.83
-3.0, 824.37
0.0, 824.37
7.1, 824.35
19.1, 824.31
33.1, 824.26
41.1, 824.21
49.0, 825.49
53.7, 824.71
93.3, 814.80
99.3, 815.80
100.3, 815.82
116.4, 810.45

EBS, TYP

36"

5 FT

10 FT

APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS

A 136+50

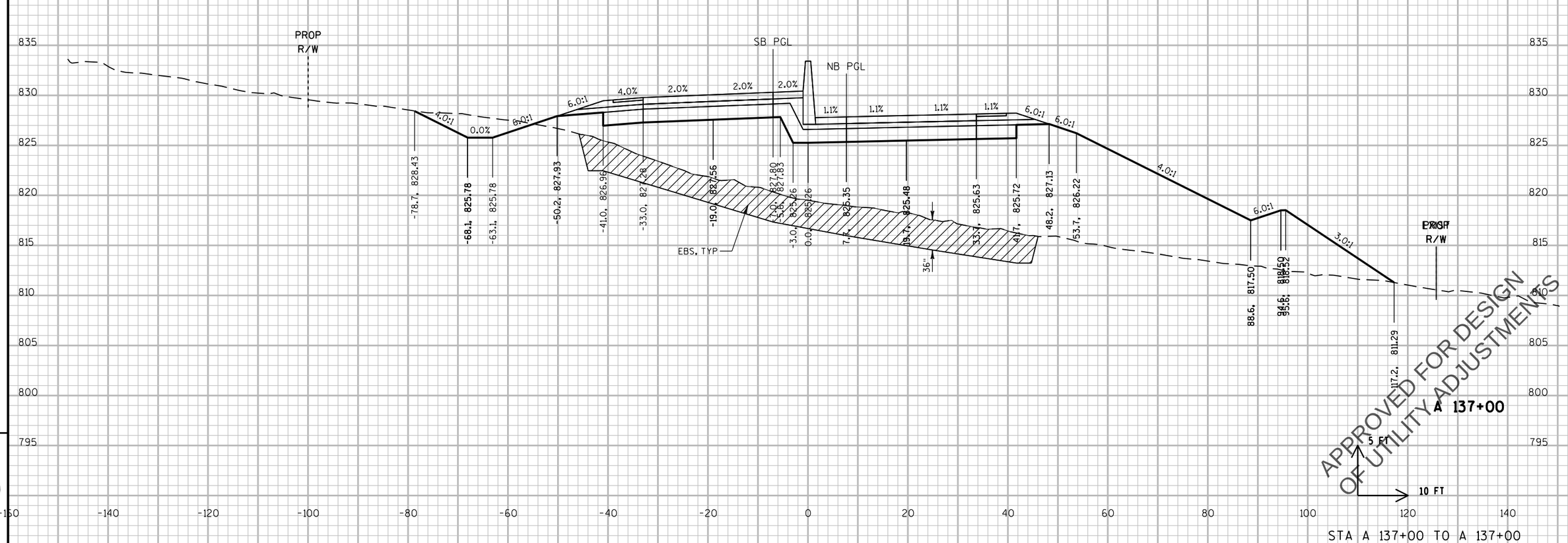
STA A 136+50 TO A 136+50

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: WAUKESHA BYPASS	SHEET E

PRE_377

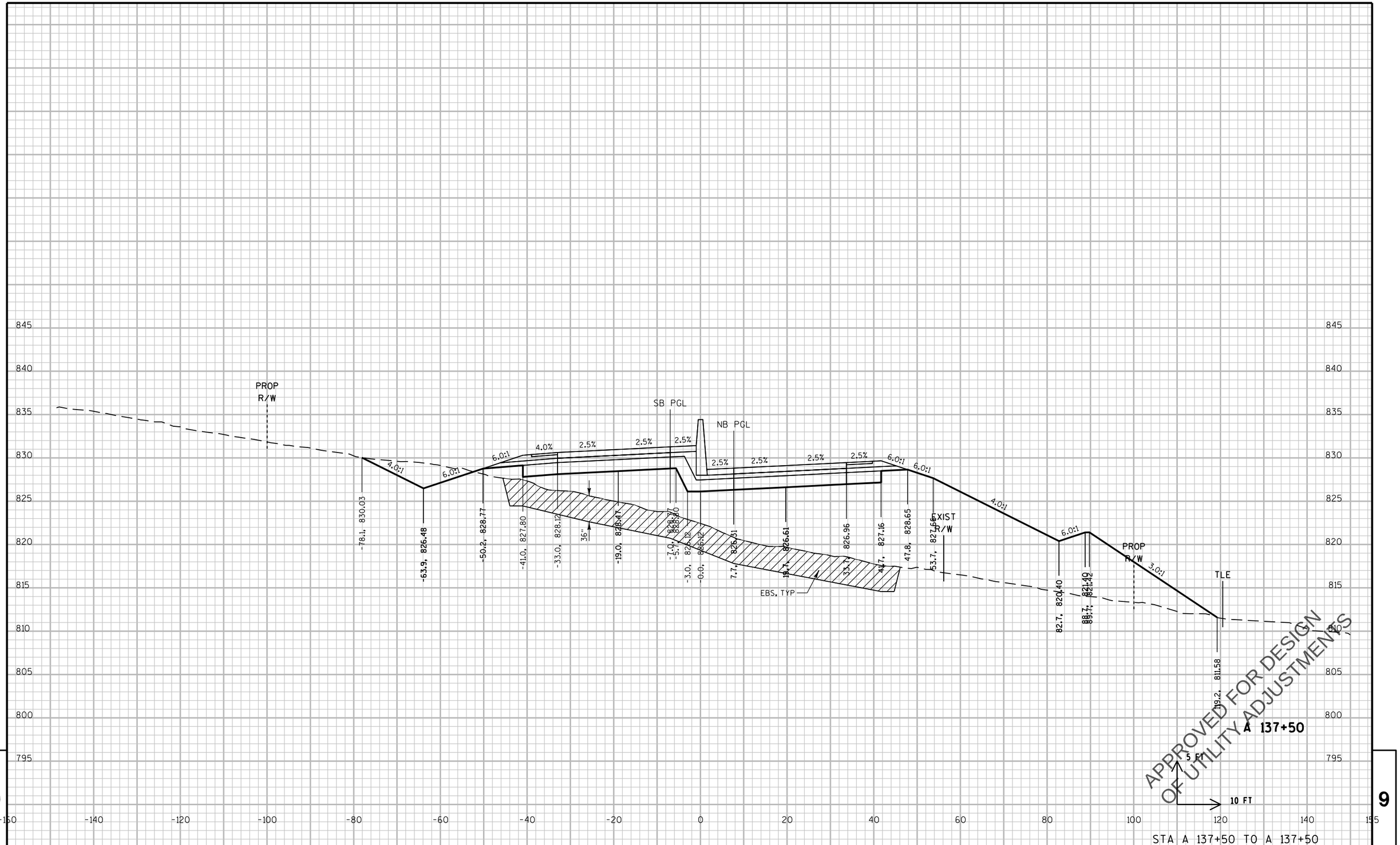
FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090201_XS_WB.dgn PLOT DATE : 4/11/2016 11:53:21 AM PLOT BY : lzidek PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: WAUKESHA BYPASS	SHEET E

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090201_XS_WB.dgn PLOT DATE : 4/11/2016 11:53:21 AM PLOT BY : lzidek PLOT NAME : PLOT SCALE : 20:1



9

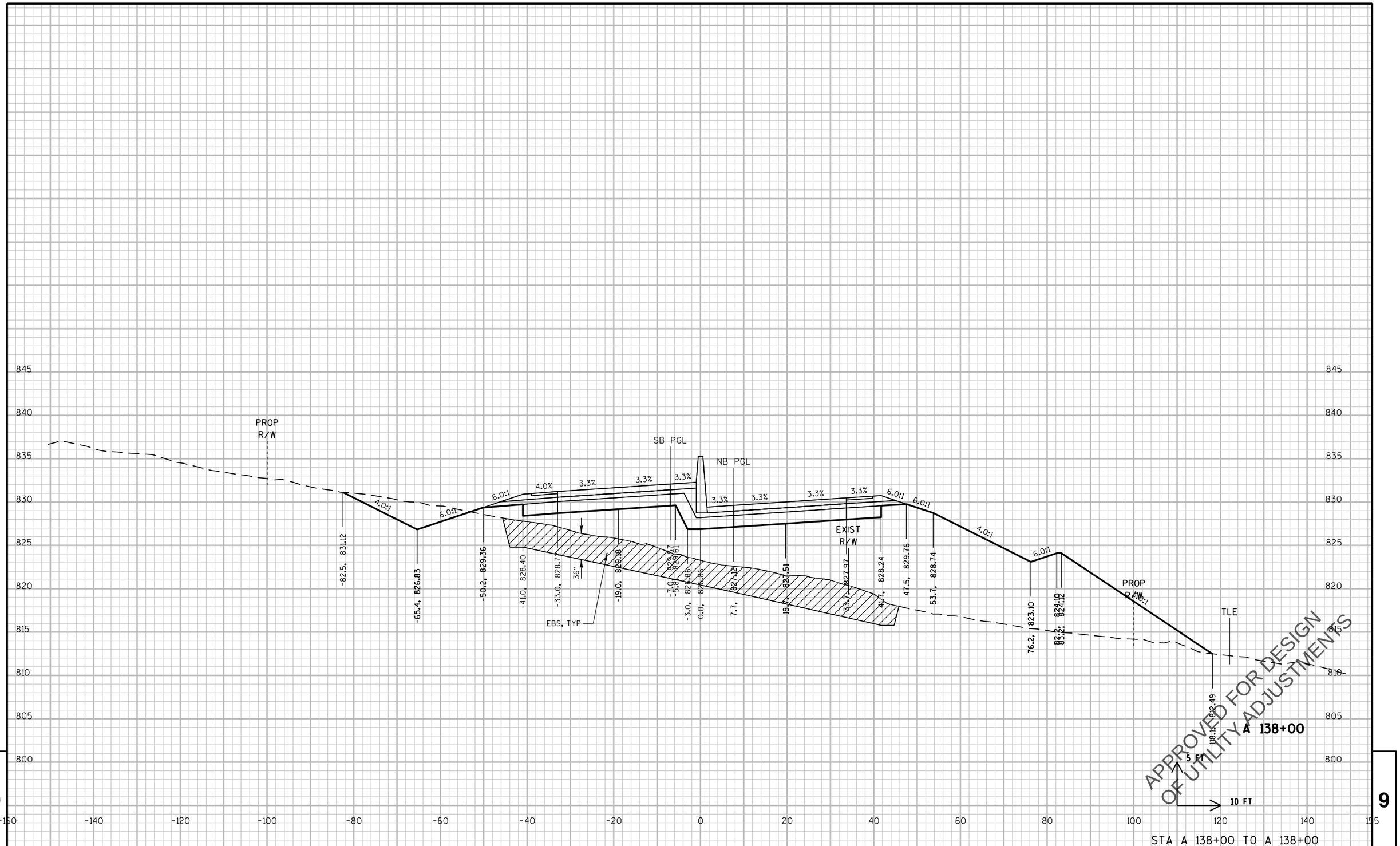
STA A 137+50 TO A 137+50

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: WAUKESHA BYPASS	SHEET	E

PRE_379

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090201_XS_WB.dgn PLOT DATE : 4/11/2016 11:53:22 AM PLOT BY : lzidek PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



STA A 138+00 TO A 138+00

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: WAUKESHA BYPASS	SHEET	E

PRE_380

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090201_XS_WB.dgn PLOT DATE : 4/11/2016 11:53:22 AM PLOT BY : lzidek PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

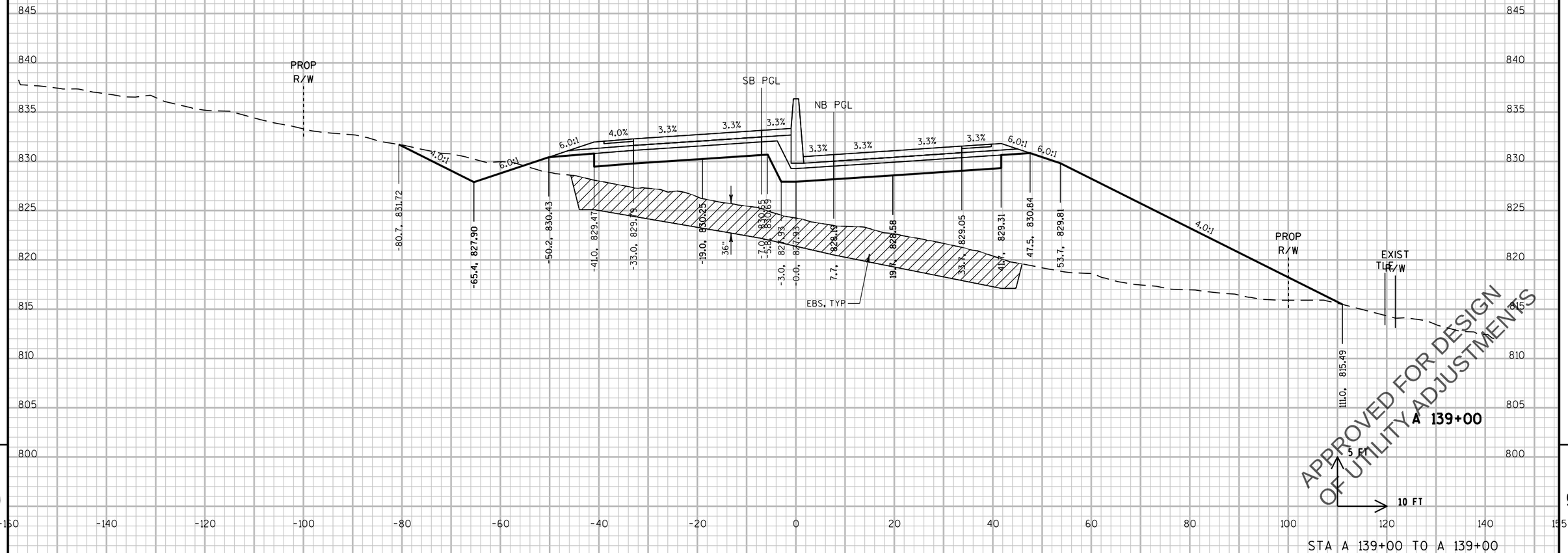
PROP R/W
SB PGL
NB PGL
EXIST R/W
PROP R/W
TLE
EBS, TYP
-84.3, 832.16
-65.4, 827.45
-50.2, 829.99
-41.0, 829.02
-33.0, 829.34
-19.0, 829.80
-7.0, 830.20
-5.5, 830.24
-3.0, 827.49
0.0, 827.49
7.7, 827.74
19.7, 828.14
33.7, 828.60
41.7, 828.86
47.5, 830.39
53.7, 829.36
121.4, 842.43
4.0:1
6.0:1
4.0%
3.3%
36"
5 FT
10 FT
A 138+50
APPROVED FOR DESIGN OF UTILITY ADJUSTMENTS
STA A 138+50 TO A 138+50

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: WAUKESHA BYPASS	SHEET	E

PRE_381

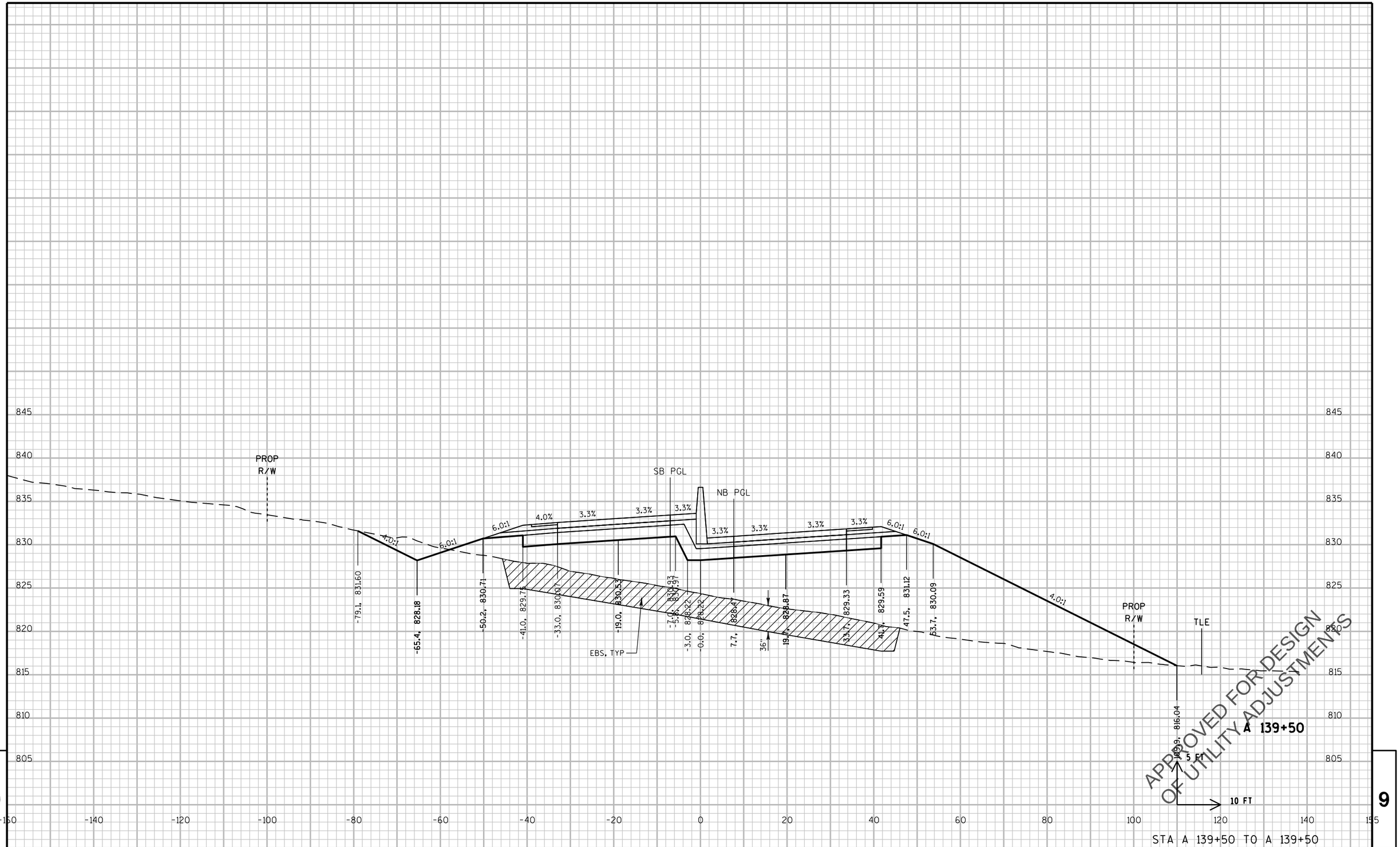
FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090201_XS_WB.dgn PLOT DATE : 4/11/2016 11:53:23 AM PLOT BY : lzidek PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: WAUKESHA BYPASS	SHEET E

PRE_382

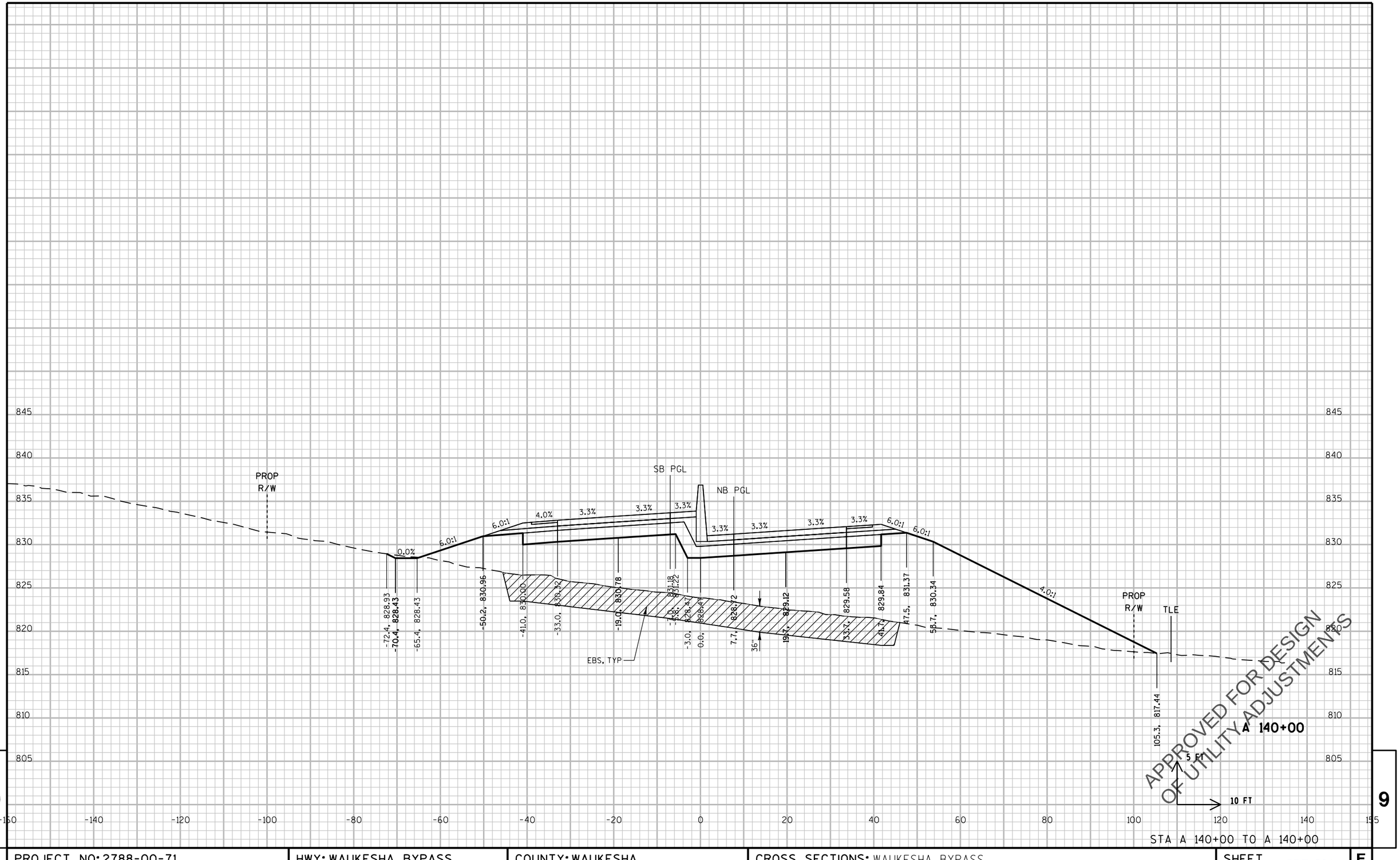


PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: WAUKESHA BYPASS	SHEET	E

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090201_XS_WB.dgn PLOT DATE : 4/11/2016 11:53:24 AM PLOT BY : lzidek PLOT NAME : PLOT SCALE : 20:1

PRE_383

WISDOT/CADDS SHEET 21

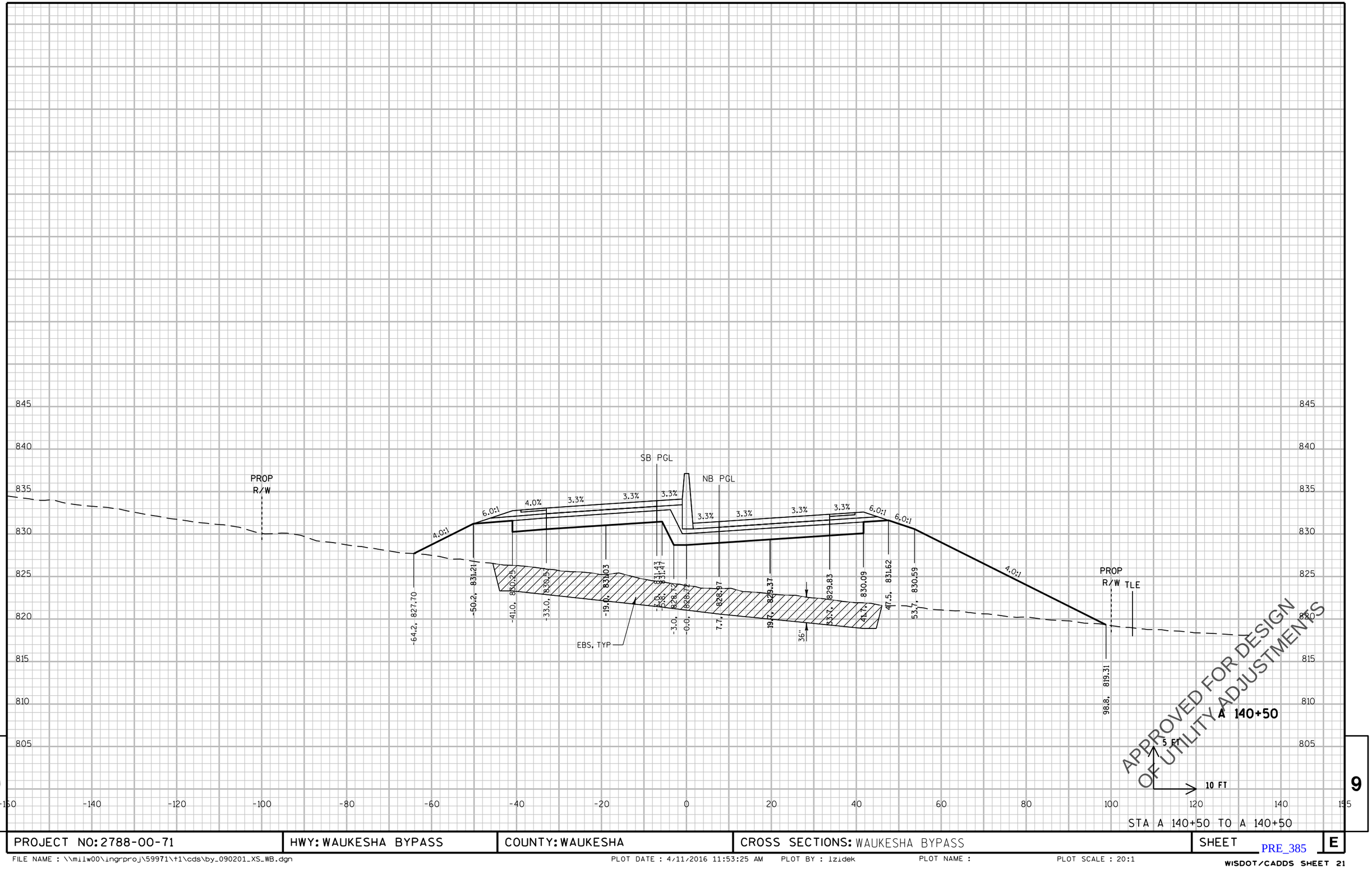


PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: WAUKESHA BYPASS	SHEET E

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090201_XS_WB.dgn PLOT DATE : 4/11/2016 11:53:24 AM PLOT BY : lzidek PLOT NAME : PLOT SCALE : 20:1

PRE_384

WISDOT/CADDS SHEET 21

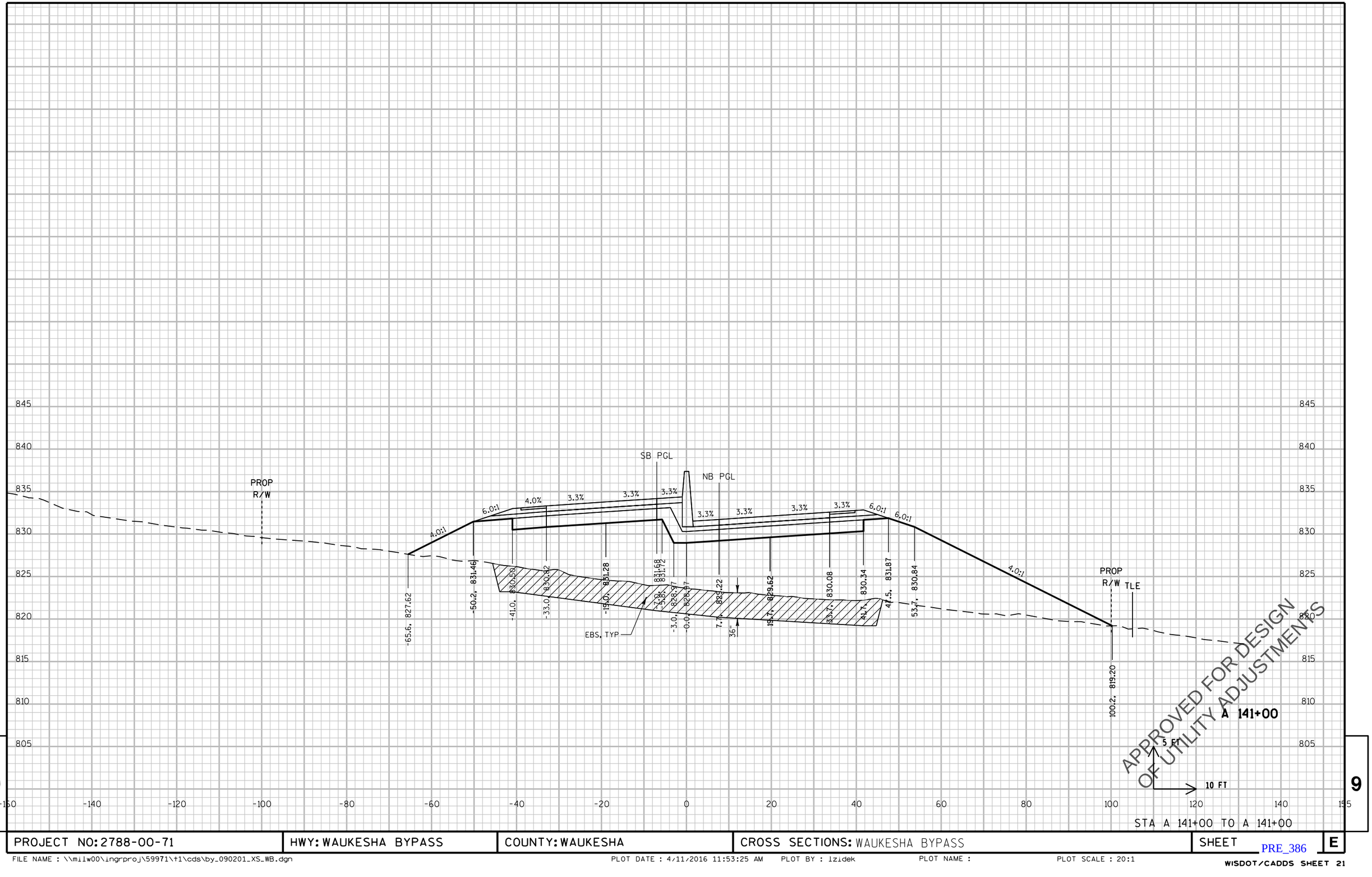


PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: WAUKESHA BYPASS	SHEET E

PRE_385

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090201_XS_WB.dgn PLOT DATE : 4/11/2016 11:53:25 AM PLOT BY : lzidek PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



9

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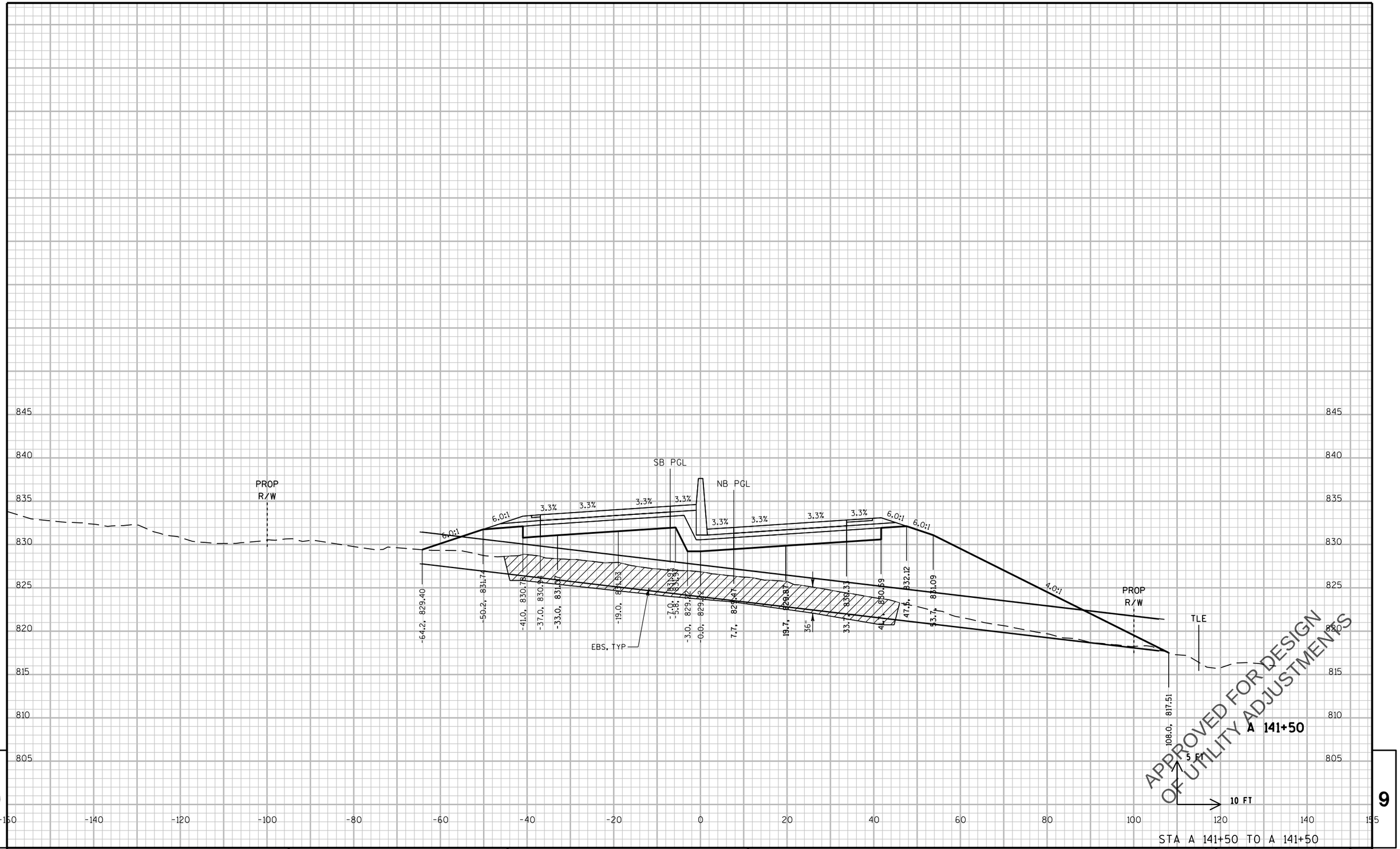
PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: WAUKESHA BYPASS	SHEET E

PRE_386

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090201_XS_WB.dgn PLOT DATE : 4/11/2016 11:53:25 AM PLOT BY : lzidek PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



9

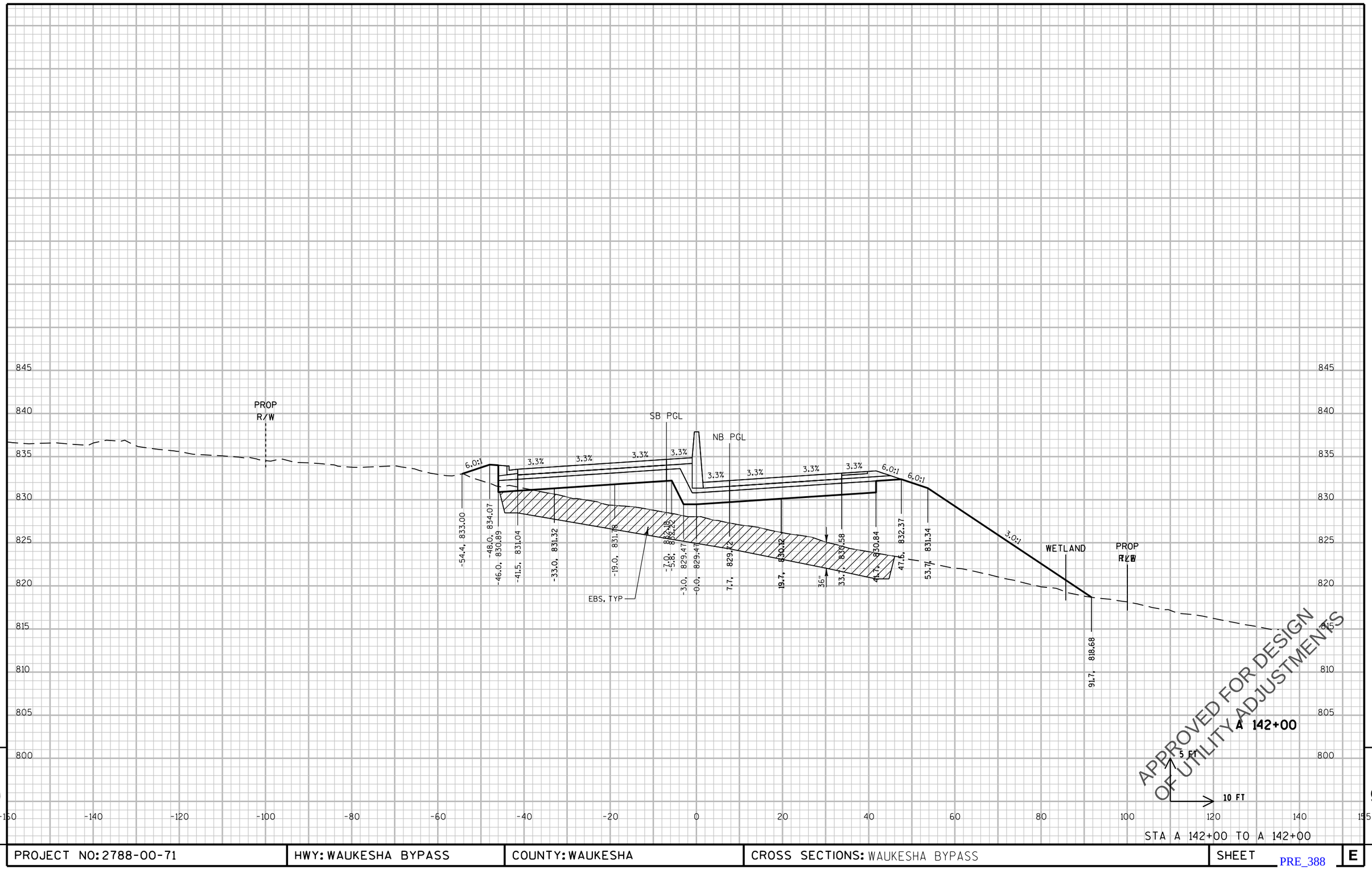
9

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: WAUKESHA BYPASS	SHEET E

PRE_387

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090201_XS_WB.dgn PLOT DATE : 4/11/2016 11:53:26 AM PLOT BY : lzidek PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

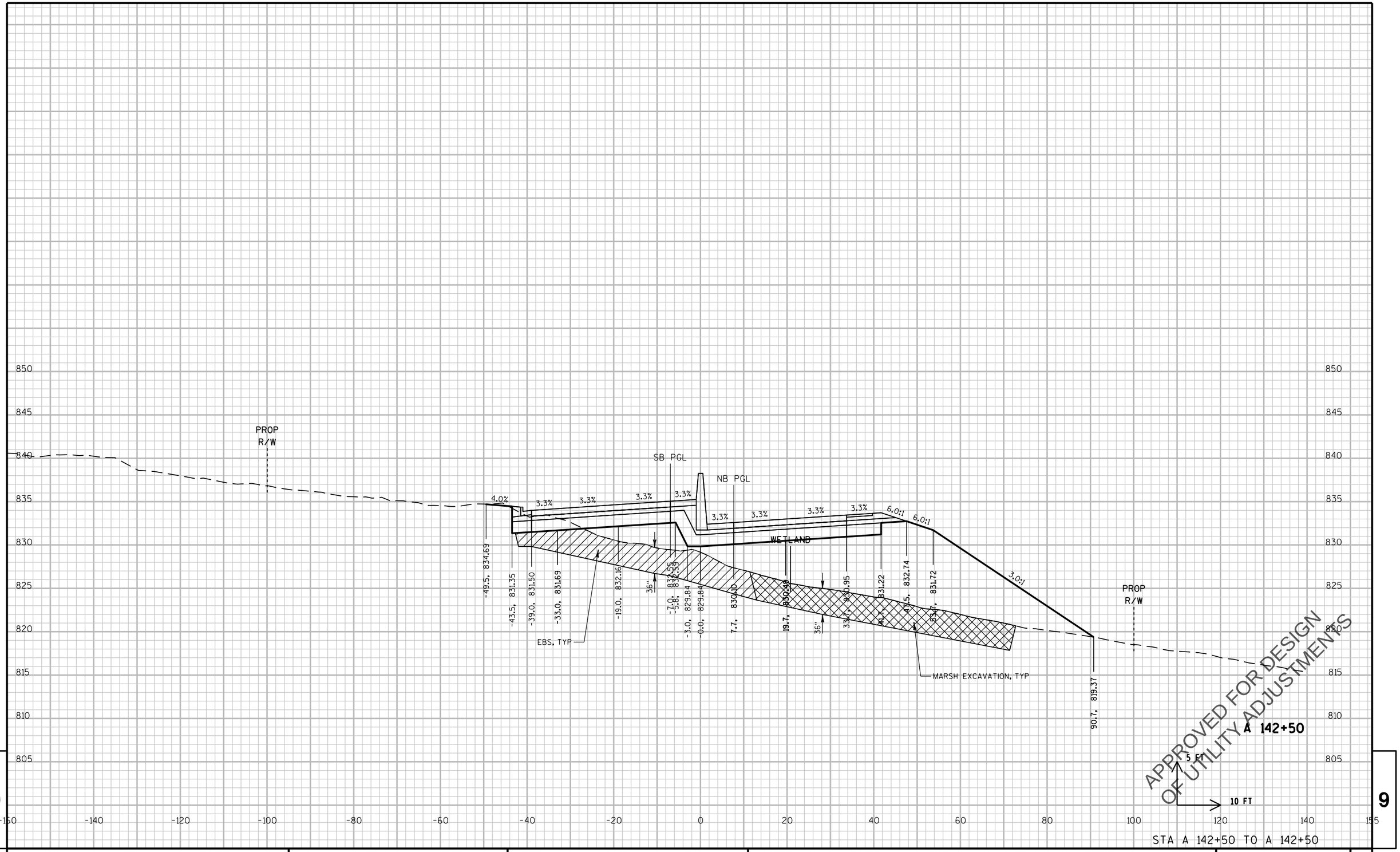


PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: WAUKESHA BYPASS	SHEET E

PRE_388

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090201_XS_WB.dgn PLOT DATE : 4/11/2016 11:53:26 AM PLOT BY : lzidek PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



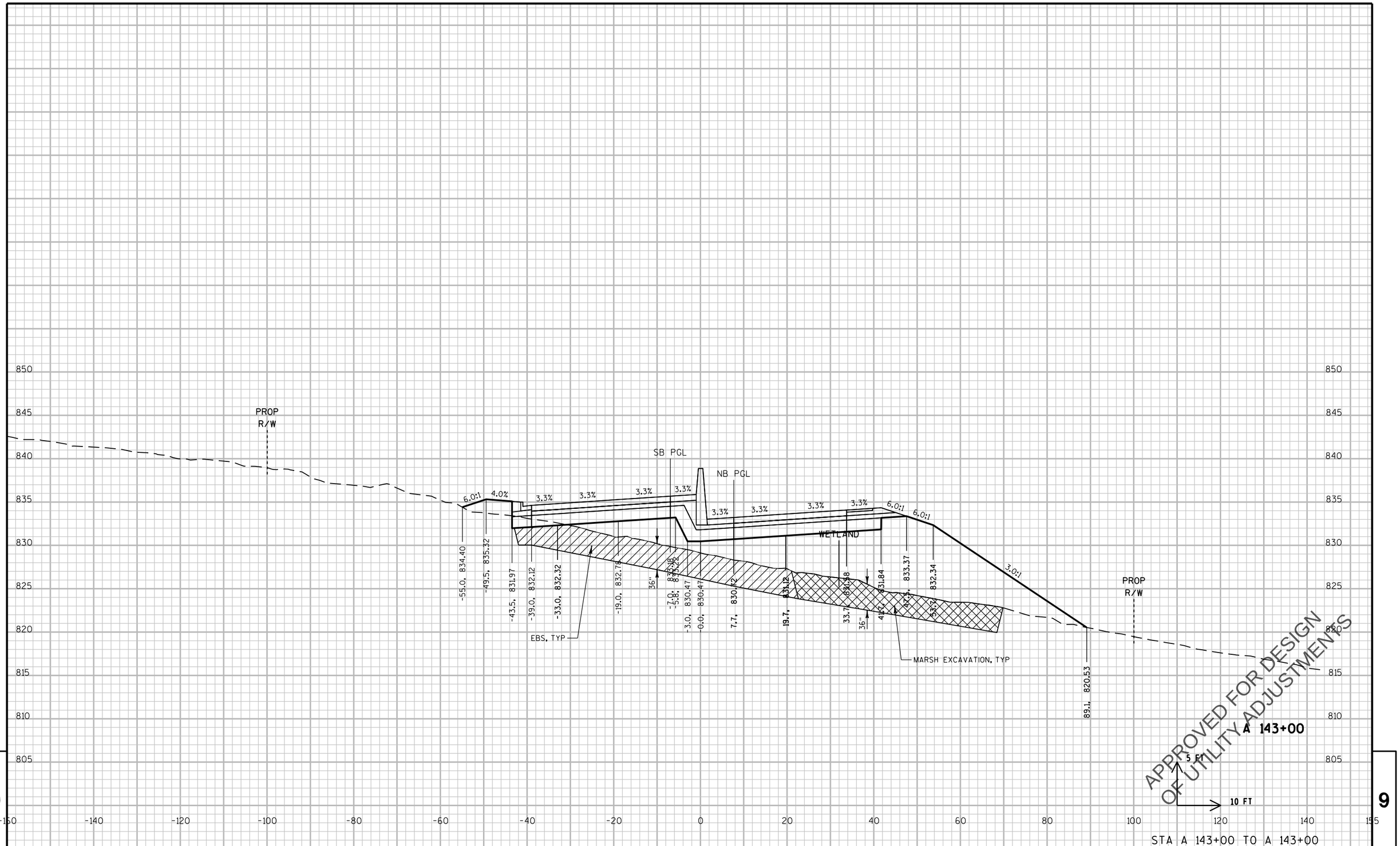
9 9

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: WAUKESHA BYPASS	SHEET E

PRE_389

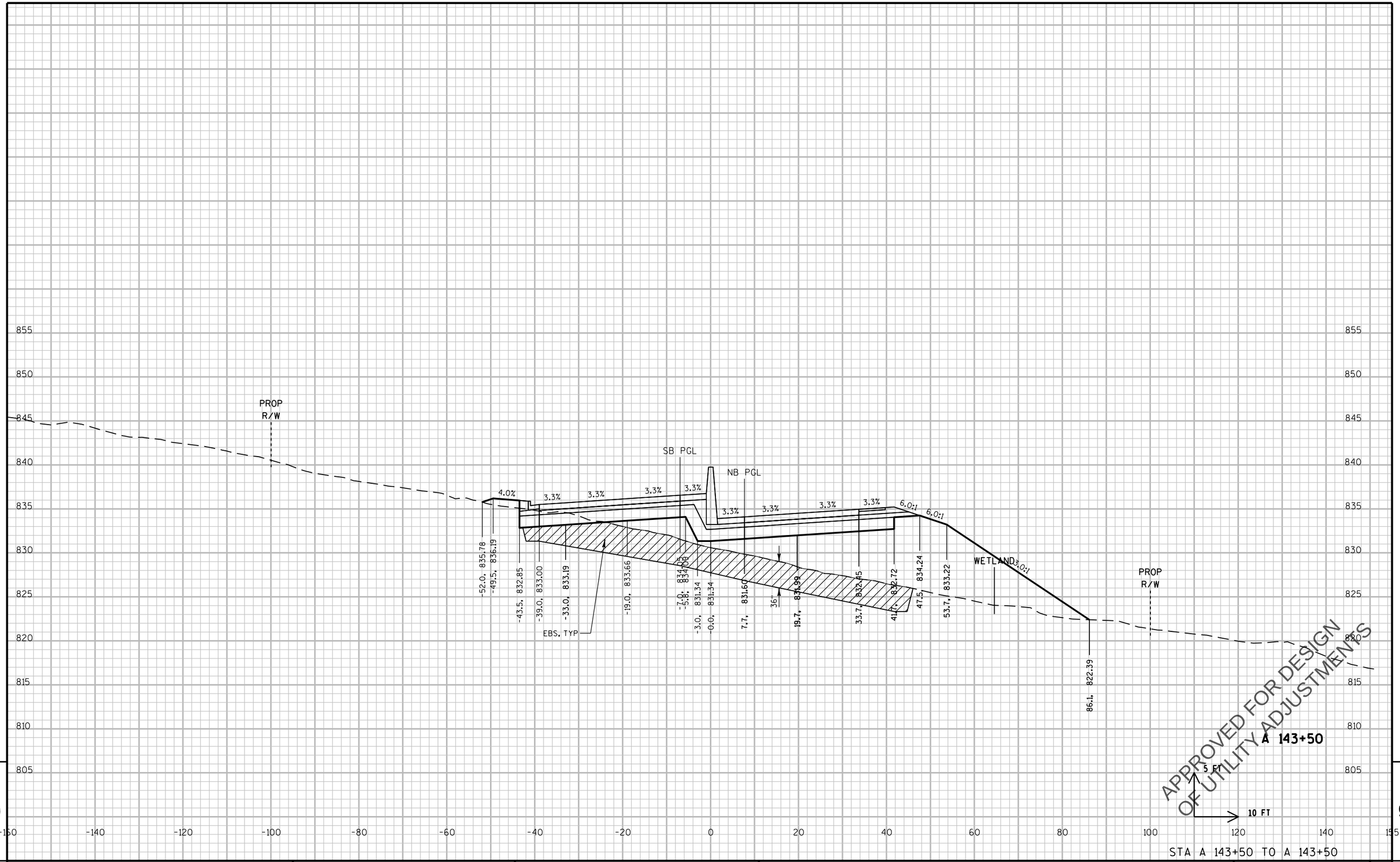
FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090201_XS_WB.dgn PLOT DATE : 4/11/2016 11:53:27 AM PLOT BY : lzidek PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: WAUKESHA BYPASS	SHEET	E

PRE_390

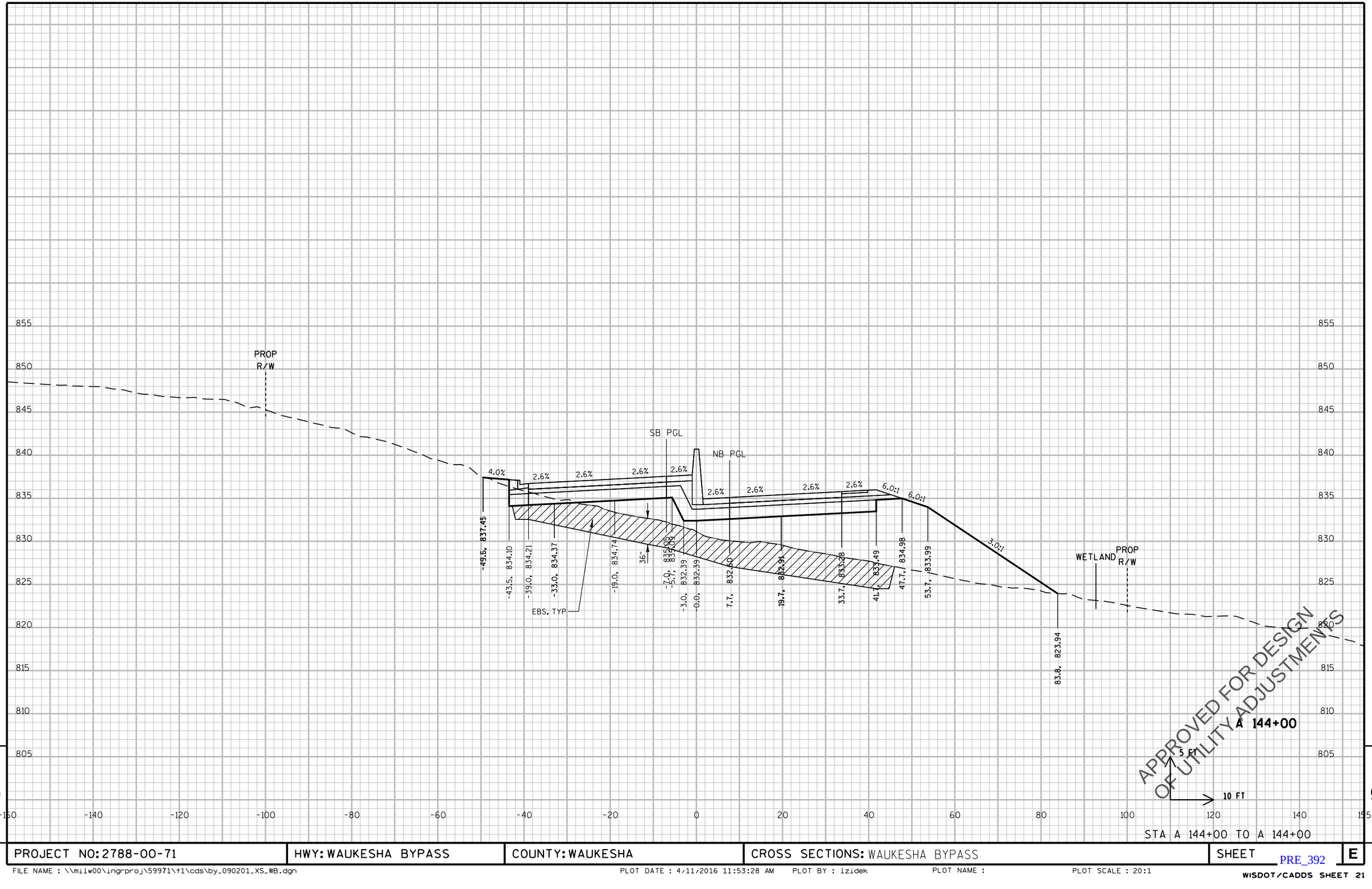


PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: WAUKESHA BYPASS	SHEET E

PRE_391

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090201_XS_WB.dgn PLOT DATE : 4/11/2016 11:53:28 AM PLOT BY : lzidek PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



STA A 144+00 TO A 144+00

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: WAUKESHA BYPASS	SHEET	E

PRE_392

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090201_XS_WB.dgn PLOT DATE : 4/11/2016 11:53:28 AM PLOT BY : lzidek PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

PROP R/W

SB PGL

NB PGL

2.5% 4.0% 2.0% 2.0% 2.0% 2.0% 1.2% 1.2% 1.2% 1.2% 6.0:1 6.0:1 4.0:1

-54.0, 840.40
-49.5, 838.61
-43.5, 835.32
-39.0, 835.41
-33.0, 835.53
-19.0, 835.81
36"
-7.0, 836.08
-5.6, 836.08
-3.0, 833.50
0.0, 833.50
7.7, 833.60
19.7, 833.74
33.7, 833.98
41.7, 834.04
48.2, 835.43
53.7, 834.51
91.1, 825.16

EBS, TYP

PROP R/W

WETLAND

865 860 855 850 845 840 835 830 825 820 815 810 805

-160 -140 -120 -100 -80 -60 -40 -20 0 20 40 60 80 100 120 140 155

APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS

A 144+50

5 FT

10 FT

STA A 144+50 TO A 144+50

9

9

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: WAUKESHA BYPASS	SHEET	E

PRE_393

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090201_XS_WB.dgn PLOT DATE : 4/11/2016 11:53:29 AM PLOT BY : lzidek PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

870
865
860
855
850
845
840
835
830
825
820
815
810

PROP R/W

2.5:1

-73.8, 849.34

4.0%

2.0%

2.0%

2.0%

2.0%

SB PGL

NB PGL

0.1%

0.1%

0.1%

0.3%

6.0:1

6.0:1

4.0:1

-49.5, 839.61

-43.5, 836.32

-39.0, 836.41

-33.0, 836.53

-19.0, 836.81

-7.0, 837.05

-5.5, 837.08

-3.0, 834.61

-0.0, 834.61

7.7, 834.60

19.7, 834.58

36"

33.7, 834.56

41.7, 834.54

48.8, 835.85

53.7, 835.04

EBS, TYP

83.0, 827.71

PROP R/W

WETLAND

A 145+00

5 FT

10 FT

APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS

-160 -140 -120 -100 -80 -60 -40 -20 0 20 40 60 80 100 120 140 155

STA A 145+00 TO A 145+00

9

9

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: WAUKESHA BYPASS	SHEET E

PRE_394

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090201_XS_WB.dgn PLOT DATE : 4/11/2016 11:53:29 AM PLOT BY : lzidek PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

PROP
R/W

2.5:1

-88.9, 856.61

4.0%

1.2%

1.2%

1.2%

1.2%

SB PGL

NB PGL

1.5%

1.5%

1.5%

3.1%

6.0:1

6.0:1

4.0:1

-49.5, 840.86

-43.5, 837.61

-39.0, 837.66

-33.0, 837.73

-19.0, 837.91

-7.0, 838.05

-5.4, 838.07

-3.0, 835.71

-0.0, 835.71

7.7, 835.60

19.7, 835.41

36"

33.7, 835.20

41.7, 834.96

50.2, 836.03

53.7, 835.45

72.7, 830.68

EBS, TYP

PROP
R/W

WETLAND

APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS

A 145+50

5 FT

10 FT

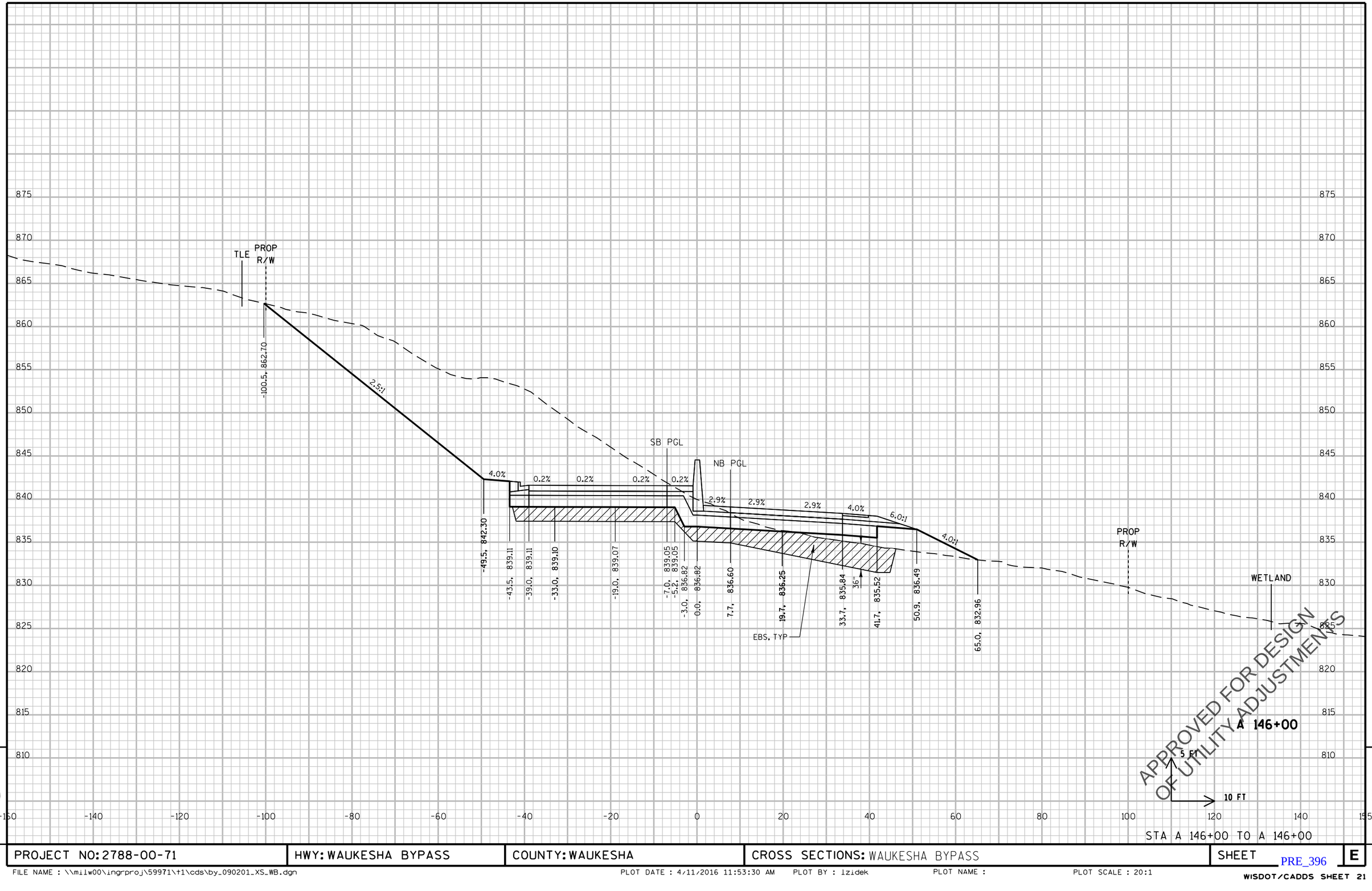
STA A 145+50 TO A 145+50

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: WAUKESHA BYPASS	SHEET	E

PRE_395

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090201_XS_WB.dgn PLOT DATE : 4/11/2016 11:53:30 AM PLOT BY : lzidek PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



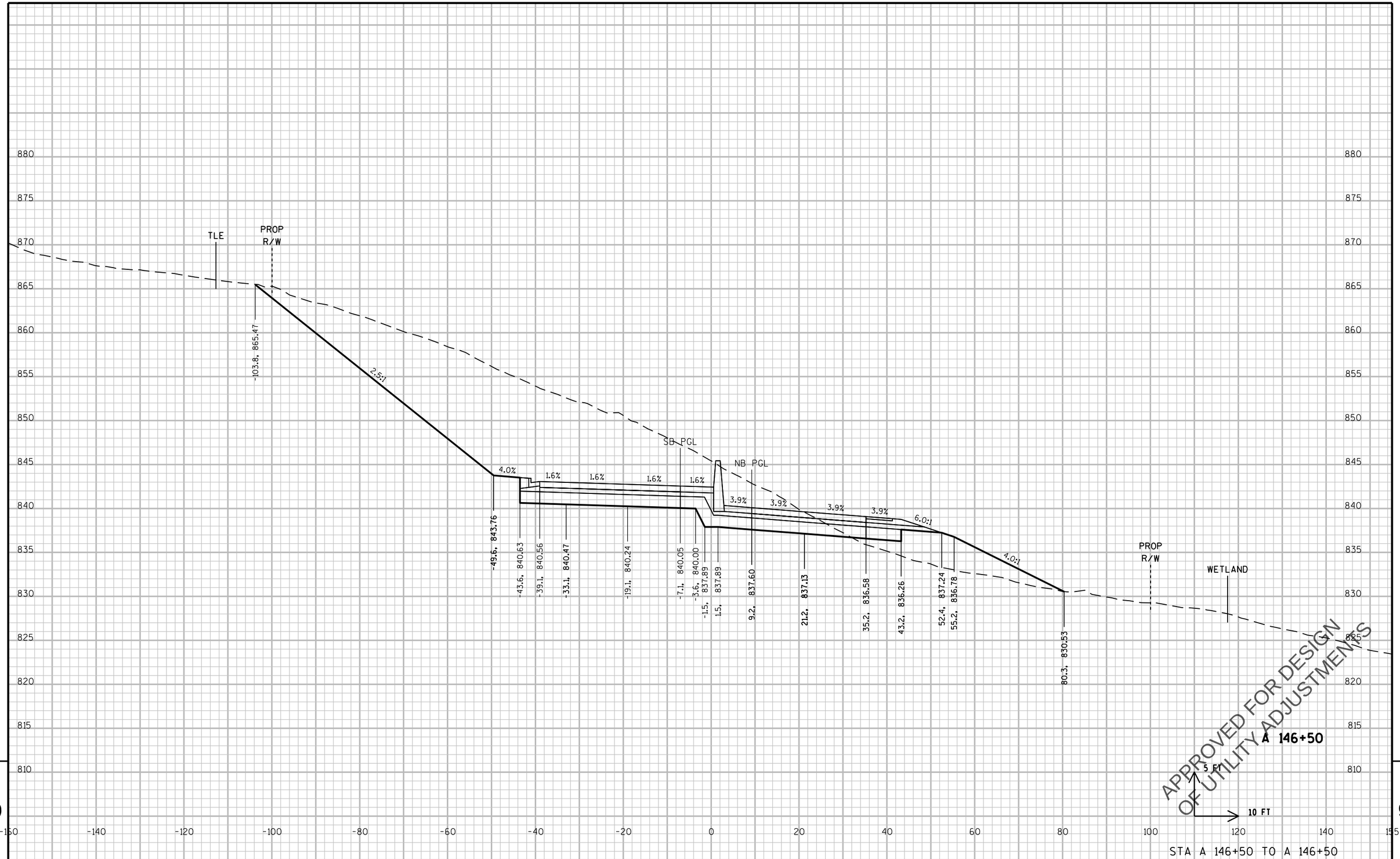
STA A 146+00 TO A 146+00

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: WAUKESHA BYPASS	SHEET E

PRE_396

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090201_XS_WB.dgn PLOT DATE : 4/11/2016 11:53:30 AM PLOT BY : lzidek PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



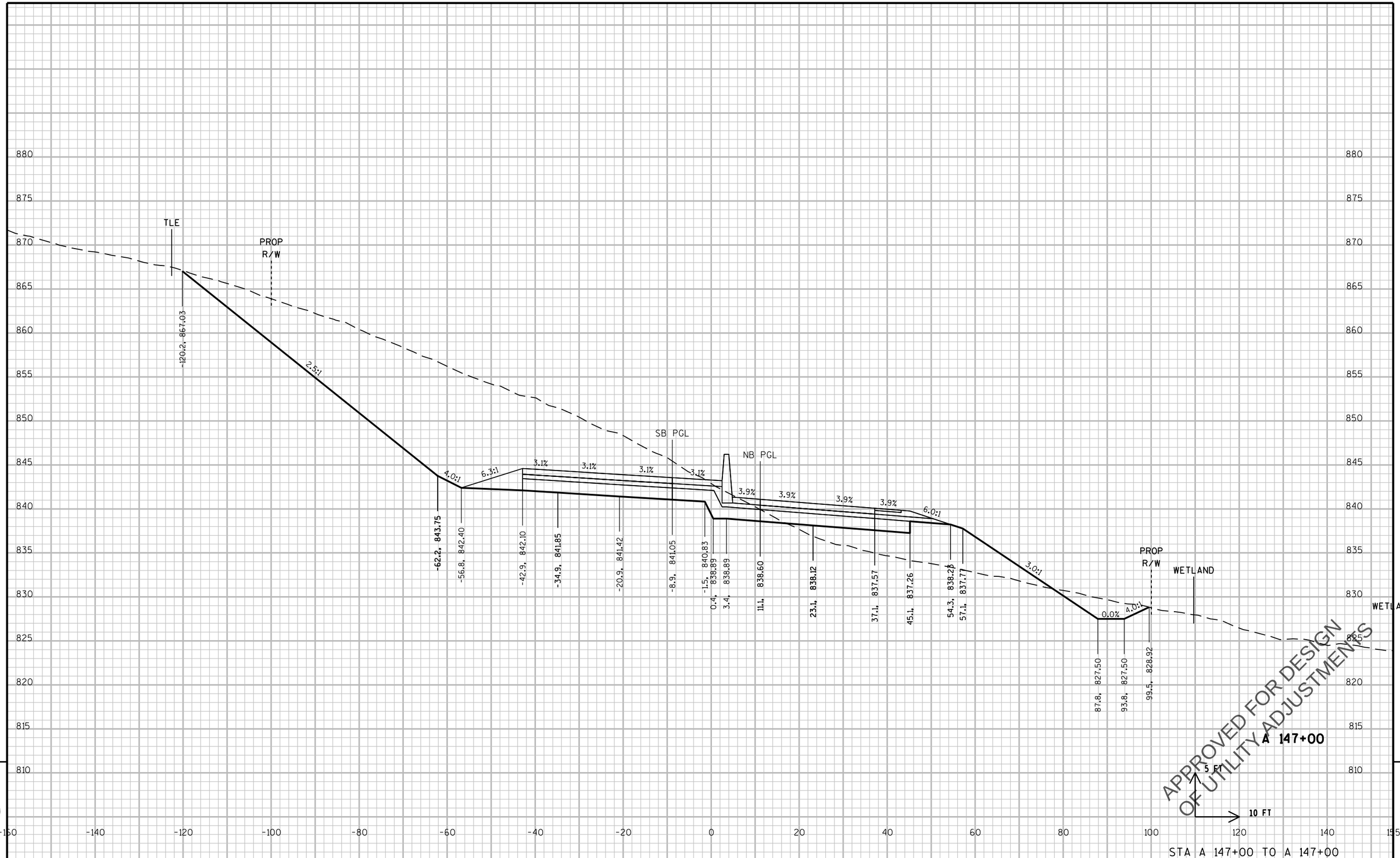
STA A 146+50 TO A 146+50

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: WAUKESHA BYPASS	SHEET E

PRE_397

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090201_XS_WB.dgn PLOT DATE : 4/11/2016 11:53:31 AM PLOT BY : lzidek PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS

STA A 147+00 TO A 147+00

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: WAUKESHA BYPASS	SHEET	E

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090201_XS_WB.dgn
PLOT DATE : 4/11/2016 11:53:31 AM PLOT BY : lzidek PLOT NAME : PLOT SCALE : 20:1
WISDOT/CADDS SHEET 21

PRE_398

TLE

PROP R/W

-99.0, 859.17

2.5:1

4.0:1 6.0:1 6.0:1 4.1% 4.1% 4.1% 4.1% 4.1%

SB PGL

NB PGL

3.9% 3.9% 3.9% 3.9%

6.0:1

4.0:1

PROP R/W

0.0%

-63.9, 845.12
-58.5, 843.76
-51.0, 845.01
-45.4, 843.44
-39.9, 843.22
-36.1, 843.06
-23.4, 842.54
-11.3, 842.05
0.4, 841.57
2.1, 839.90
5.1, 839.90
12.8, 839.60
24.8, 839.12
38.8, 838.57
46.8, 838.26
56.0, 839.23
89.7, 831.00
93.7, 831.00
95.6, 831.87

875 870 865 860 855 850 845 840 835 830 825 820 815

-160 -140 -120 -100 -80 -60 -40 -20 0 20 40 60 80 100 120 140 155

5 FT

10 FT

A 147+50

STA A 147+50 TO A 147+50

APPROVED FOR DESIGN OF UTILITY ADJUSTMENTS

9

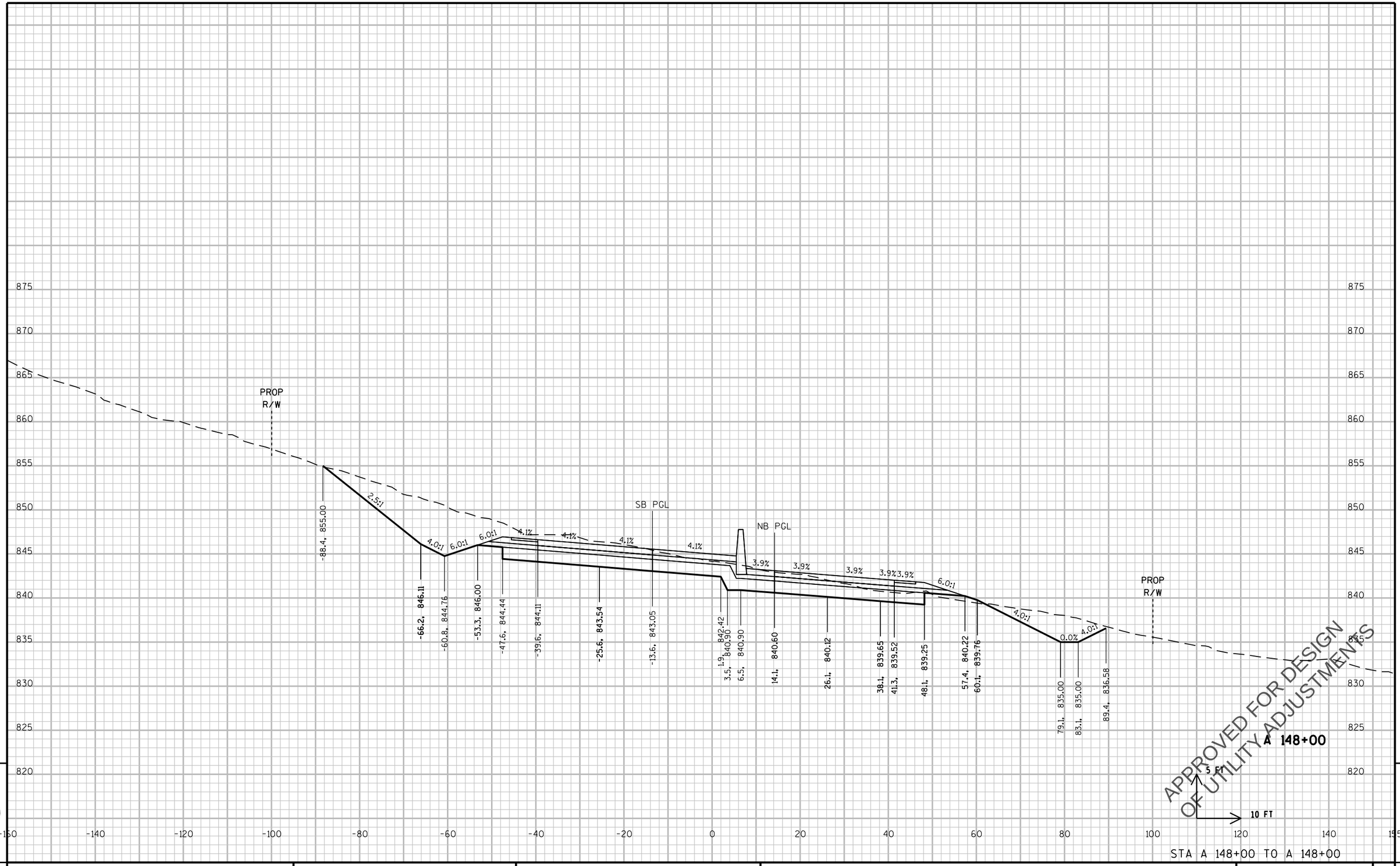
9

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: WAUKESHA BYPASS	SHEET E

PRE_399

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090201_XS_WB.dgn PLOT DATE : 4/11/2016 11:53:32 AM PLOT BY : lzidek PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



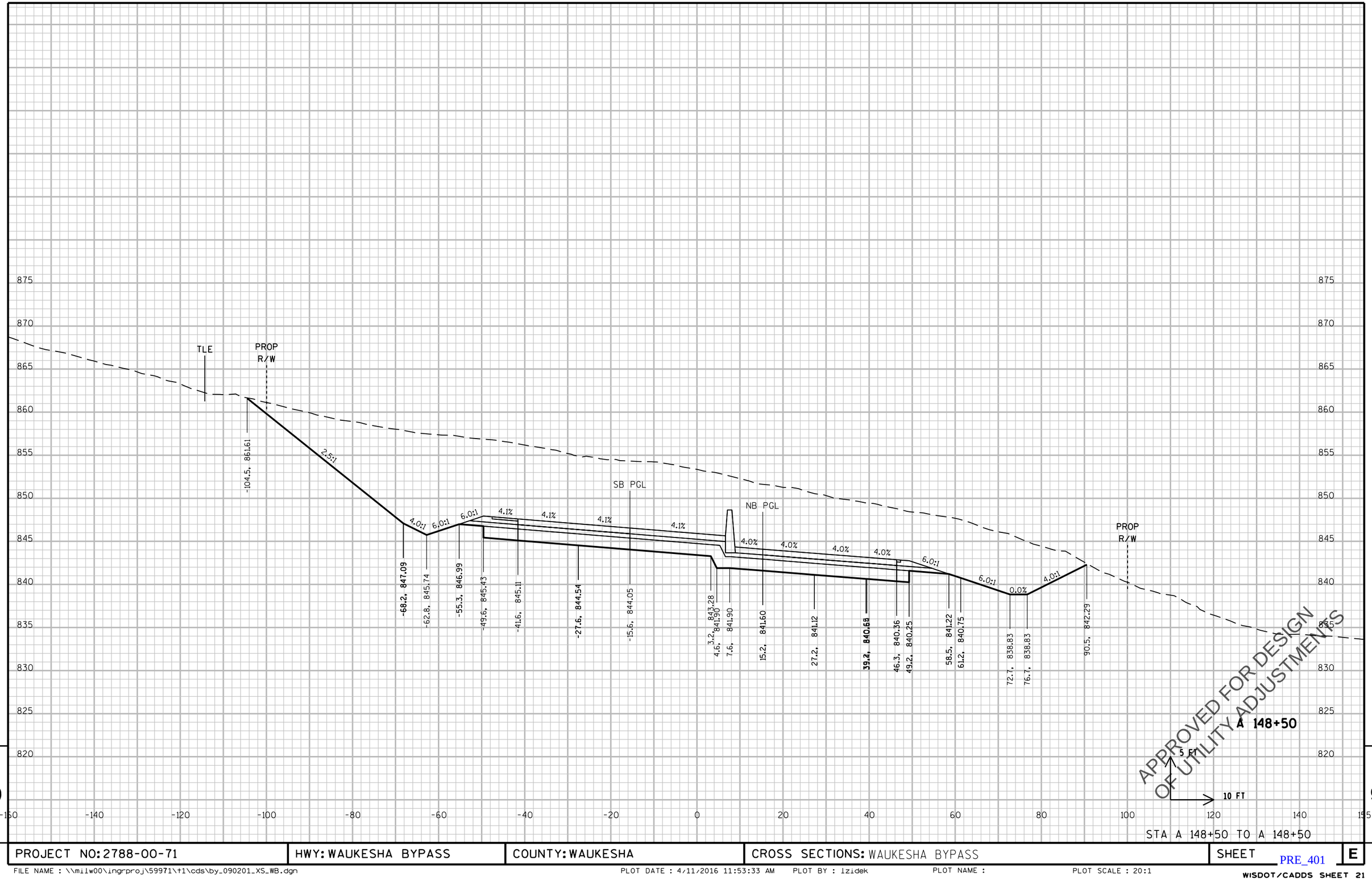
STA A 148+00 TO A 148+00

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: WAUKESHA BYPASS	SHEET E

PRE_400

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090201_XS_WB.dgn PLOT DATE : 4/11/2016 11:53:32 AM PLOT BY : lzidek PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS

9

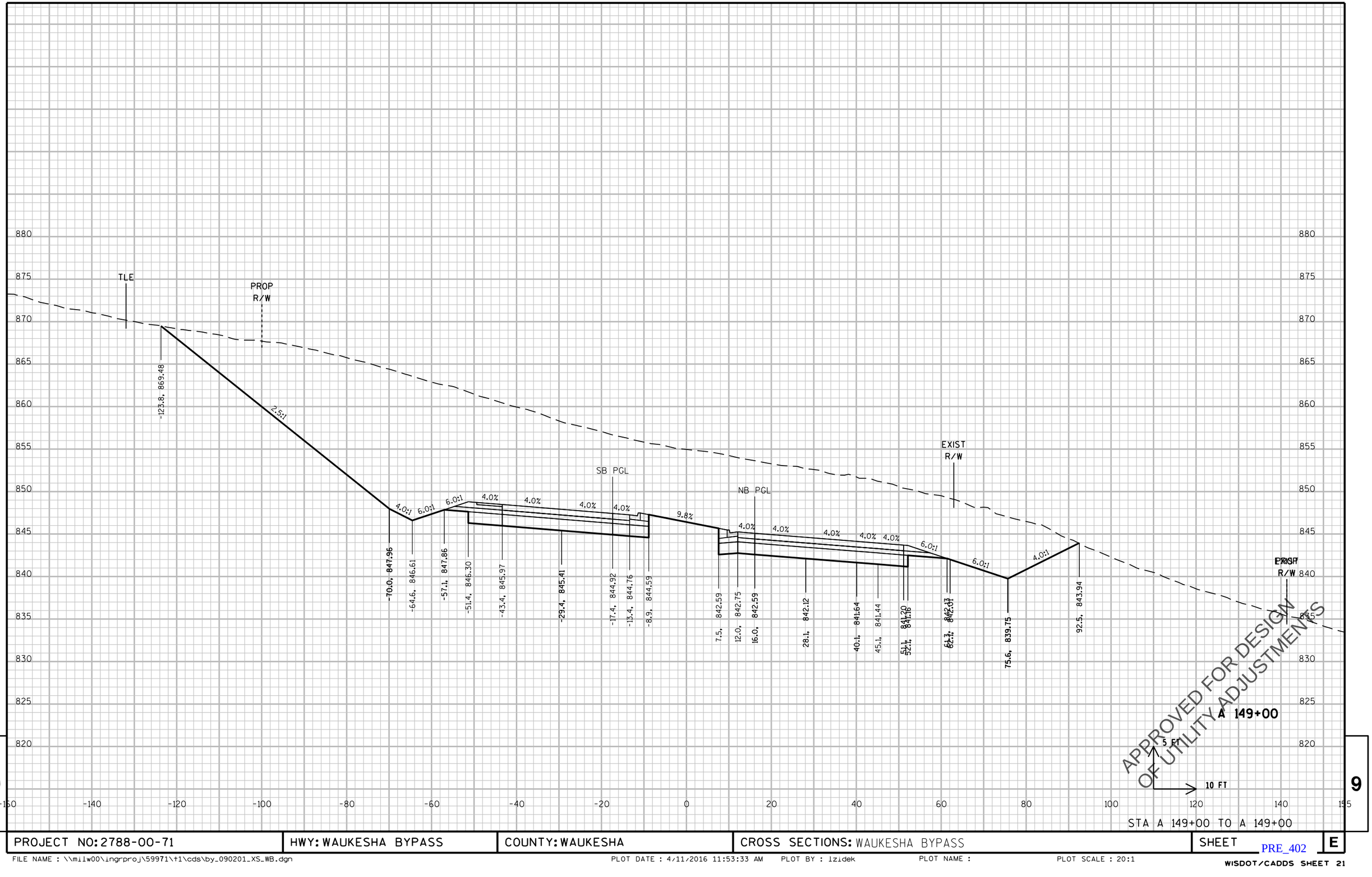
9

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: WAUKESHA BYPASS	SHEET E

PRE_401

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090201_XS_WB.dgn PLOT DATE : 4/11/2016 11:53:33 AM PLOT BY : lzidek PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



9

STA A 149+00 TO A 149+00

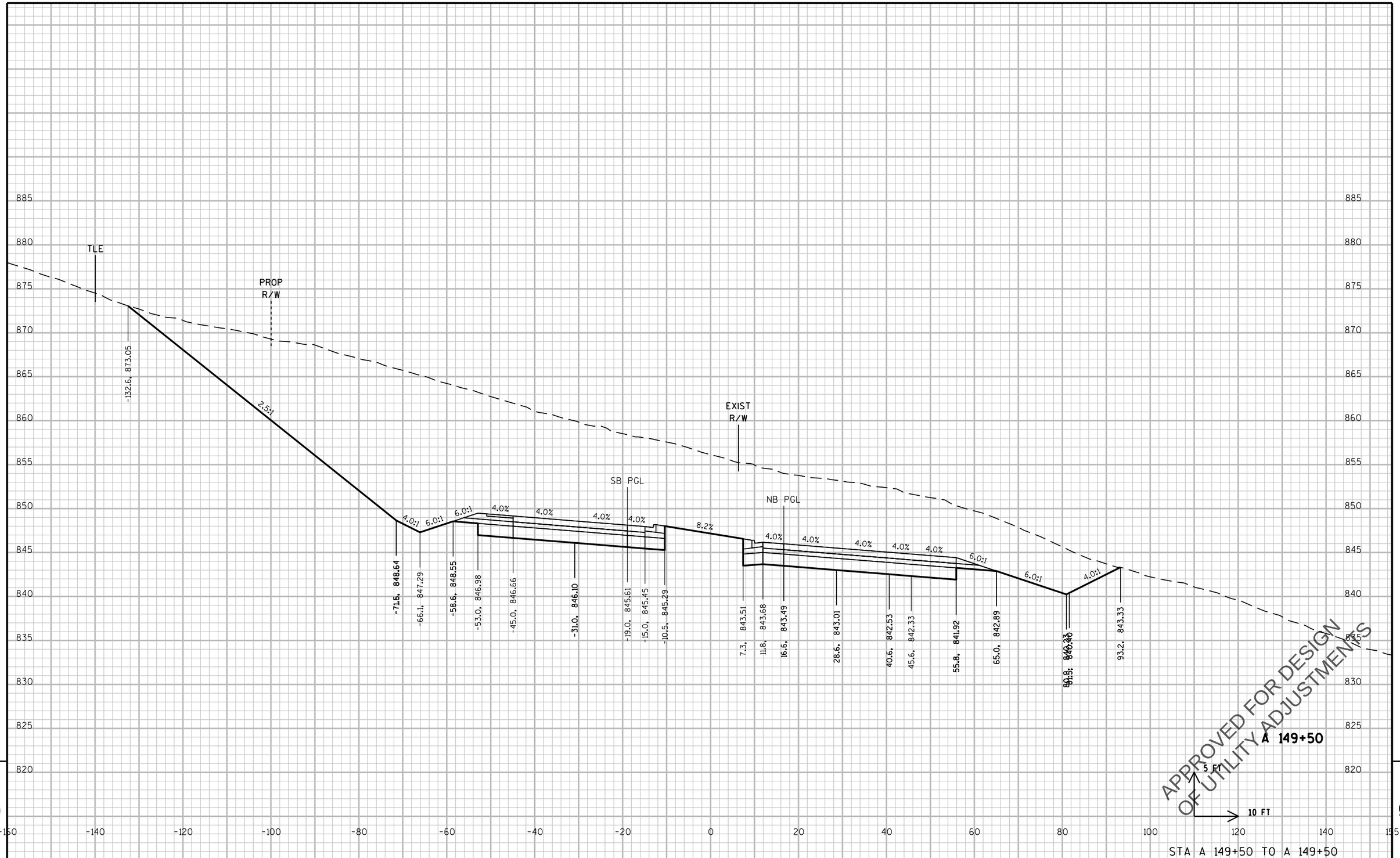
9

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: WAUKESHA BYPASS	SHEET E

PRE_402

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090201_XS_WB.dgn PLOT DATE : 4/11/2016 11:53:33 AM PLOT BY : lzidek PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

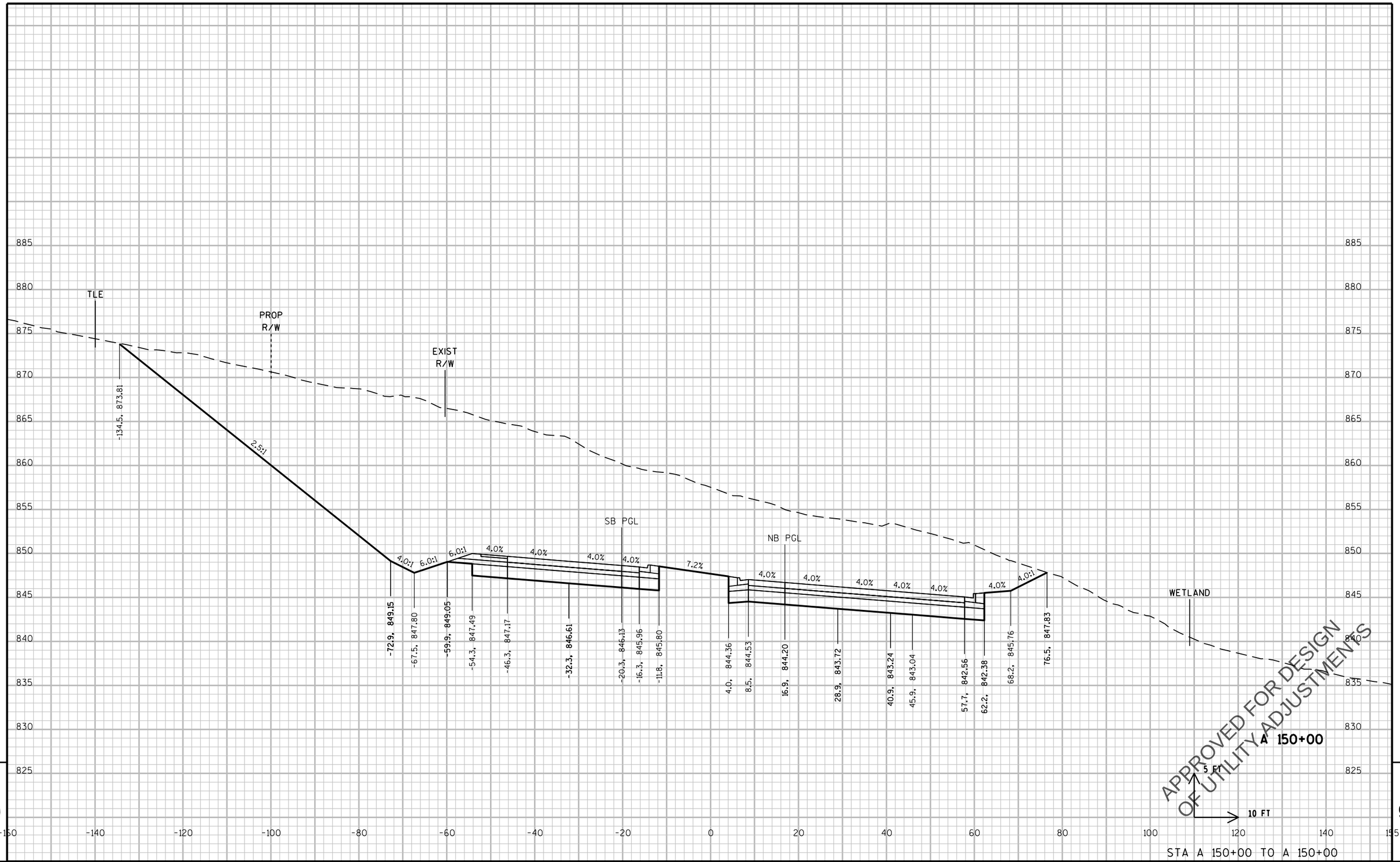


PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: WAUKESHA BYPASS	SHEET E

PRE_403

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090201_XS_WB.dgn PLOT DATE : 4/11/2016 11:53:34 AM PLOT BY : lzidek PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



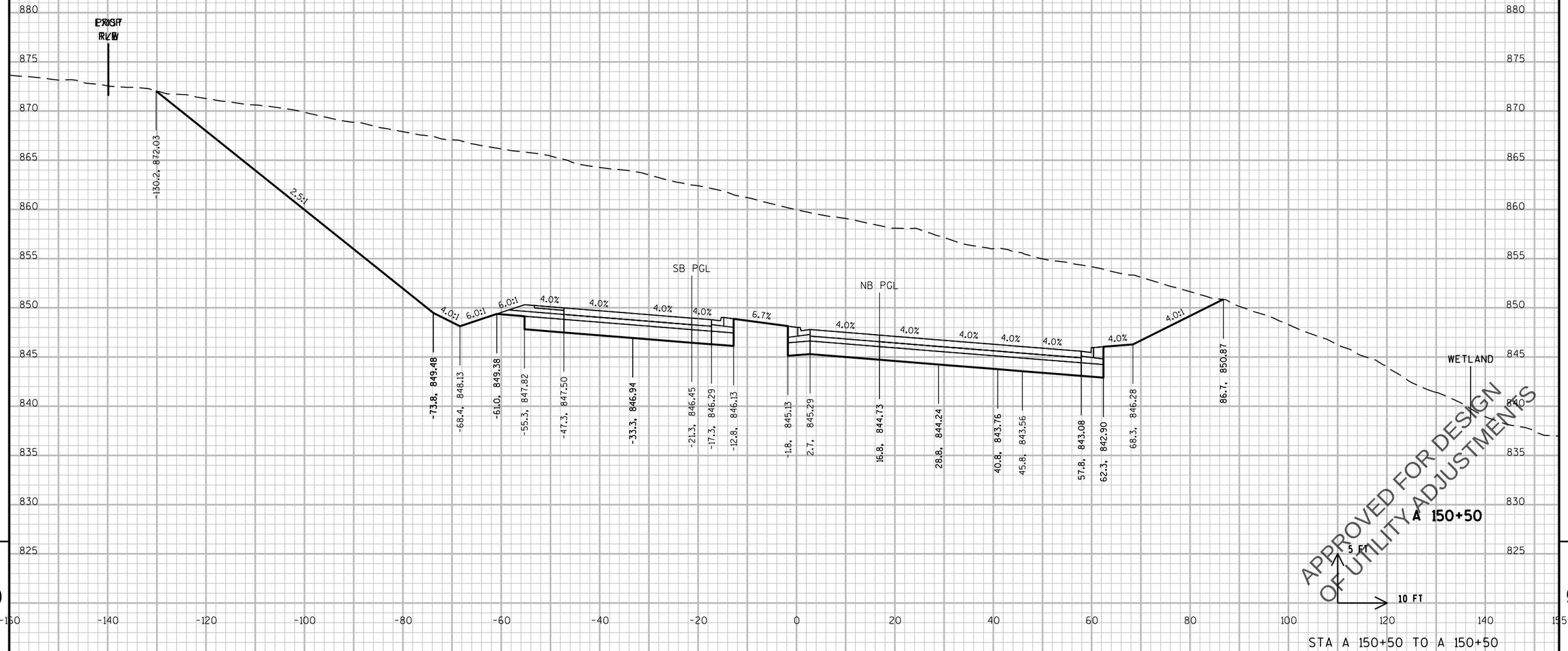
STA A 150+00 TO A 150+00

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: WAUKESHA BYPASS	SHEET	E

PRE_404

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090201_XS_WB.dgn PLOT DATE : 4/11/2016 11:53:34 AM PLOT BY : lzidek PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS

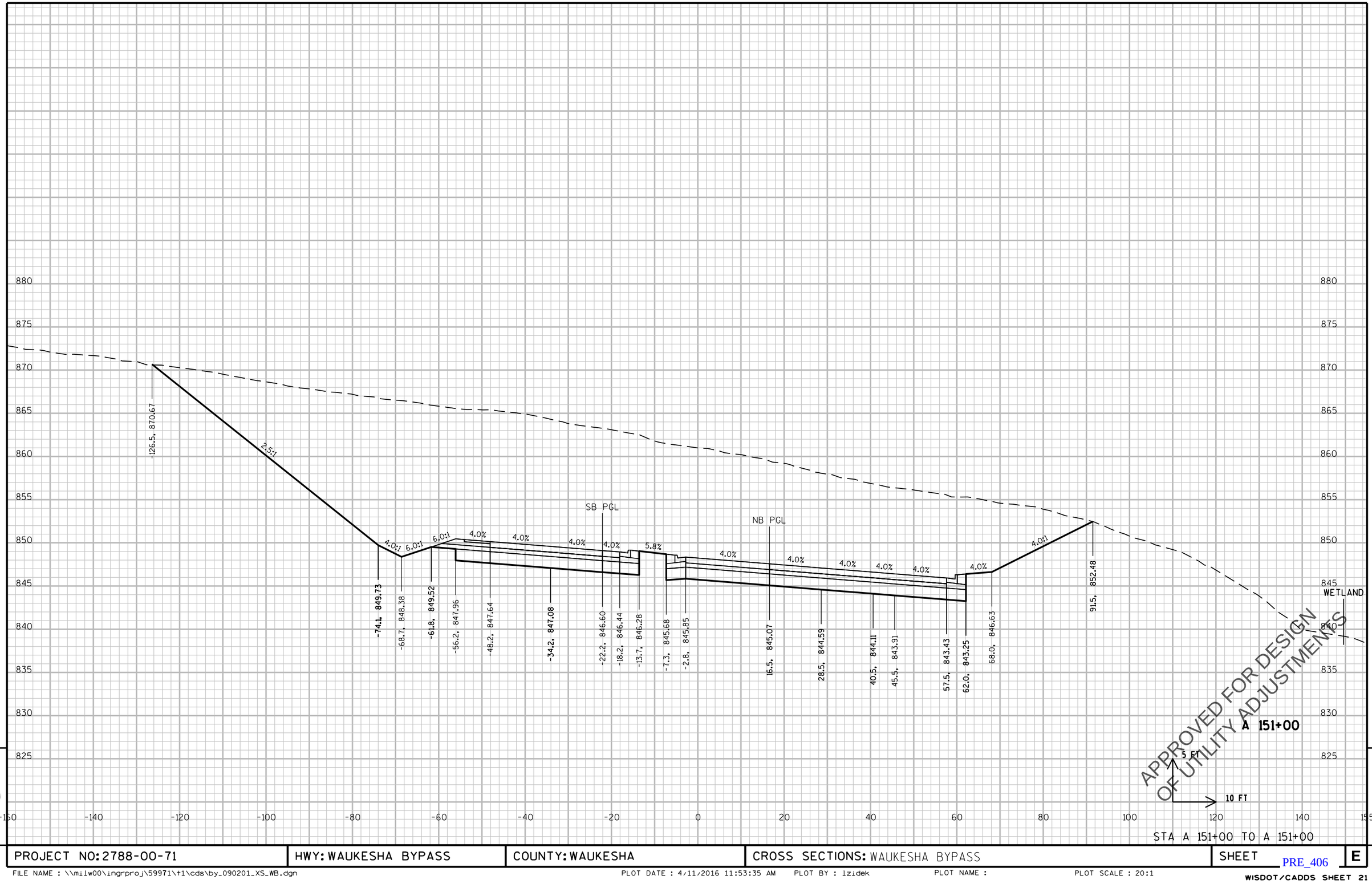
STA A 150+50 TO A 150+50

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: WAUKESHA BYPASS	SHEET	E

PRE_405

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090201_XS_WB.dgn PLOT DATE : 4/11/2016 11:53:34 AM PLOT BY : lzidek PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS

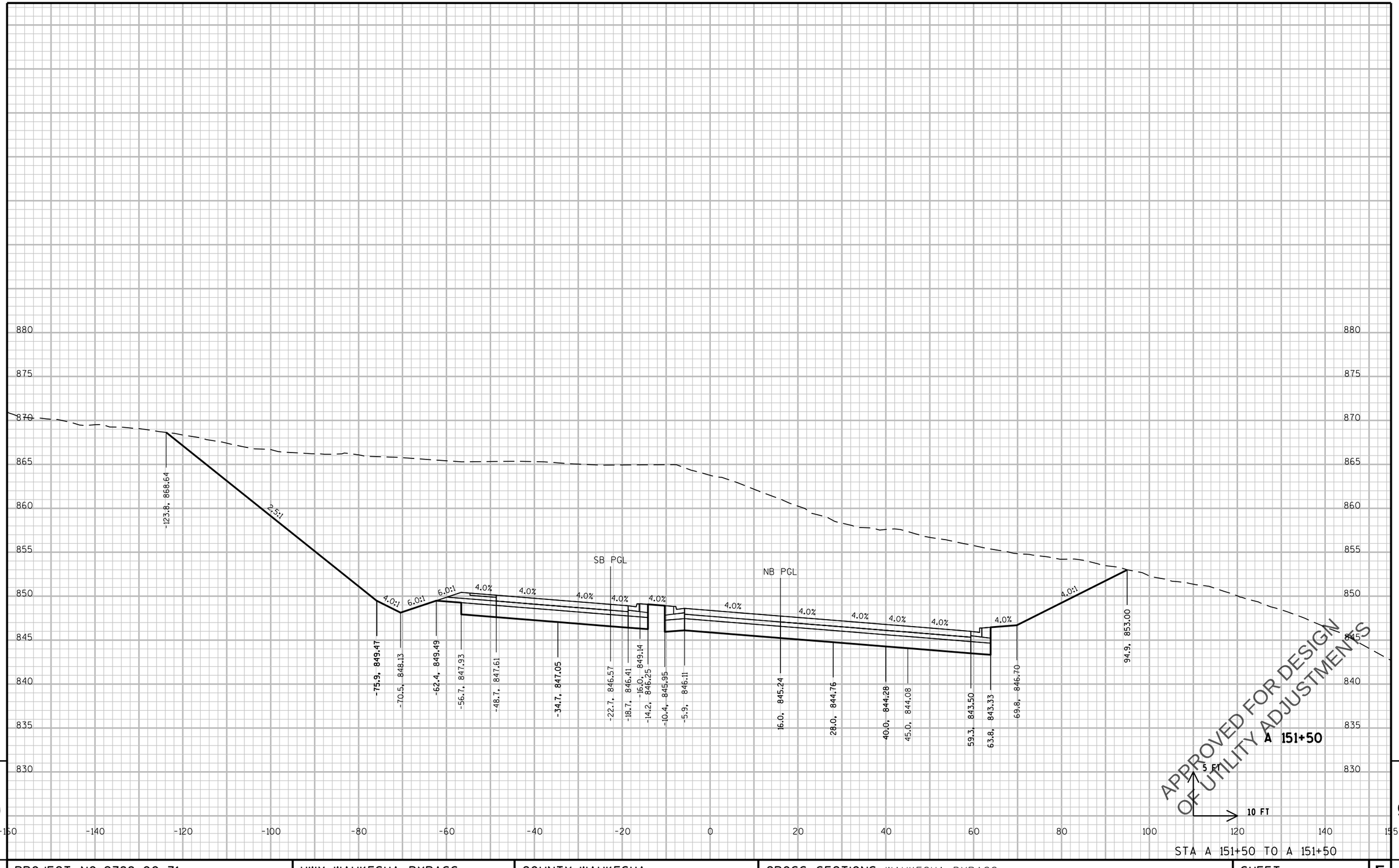
STA A 151+00 TO A 151+00

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: WAUKESHA BYPASS	SHEET	E

PRE_406

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090201_XS_WB.dgn PLOT DATE : 4/11/2016 11:53:35 AM PLOT BY : lzidek PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



9

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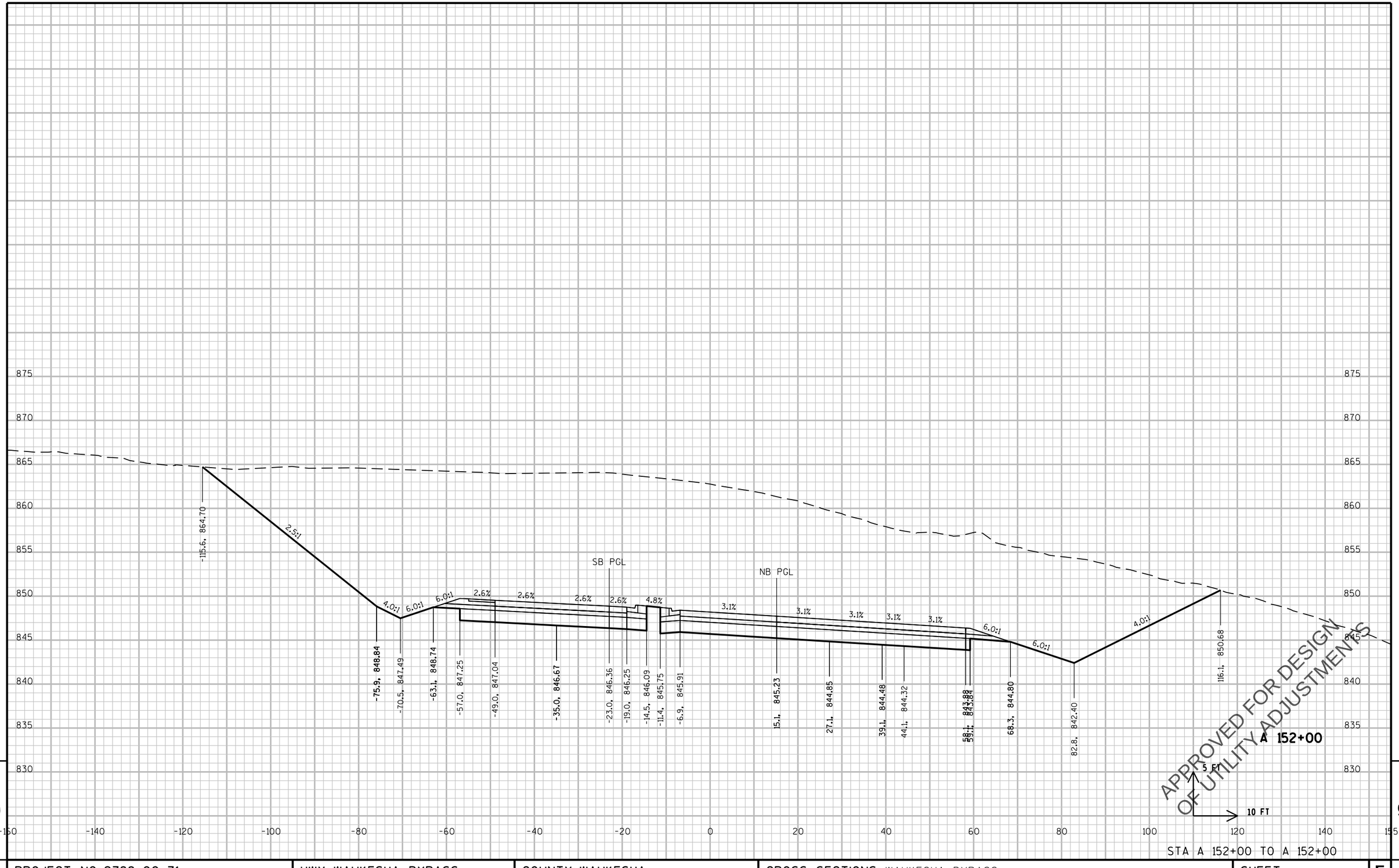
STA A 151+50 TO A 151+50

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: WAUKESHA BYPASS	SHEET E

PRE_407

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090201_XS_WB.dgn PLOT DATE : 4/11/2016 11:53:35 AM PLOT BY : lzidek PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



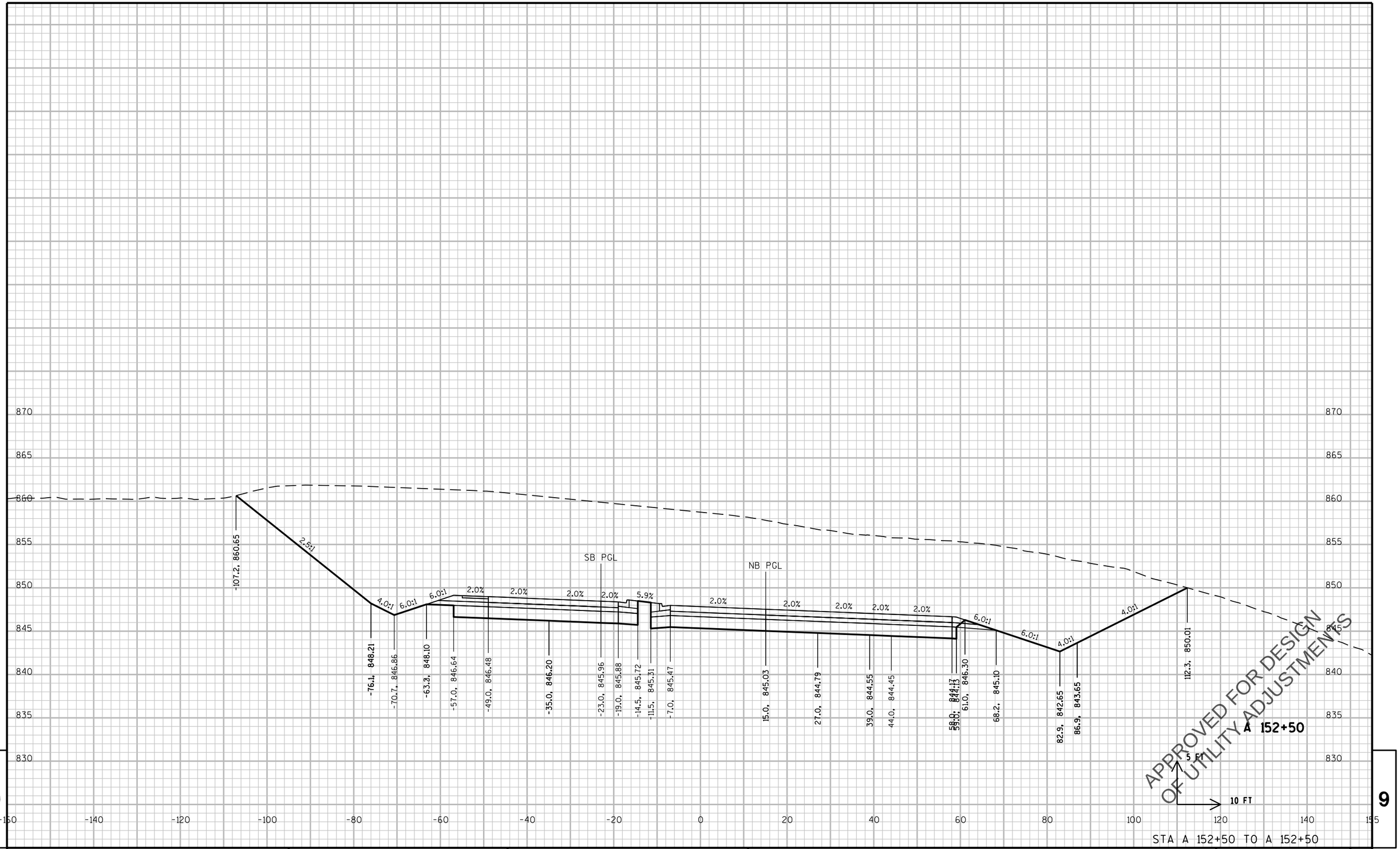
STA A 152+00 TO A 152+00

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: WAUKESHA BYPASS	SHEET E

PRE_408

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090201_XS_WB.dgn PLOT DATE : 4/11/2016 11:53:36 AM PLOT BY : lzidek PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



9

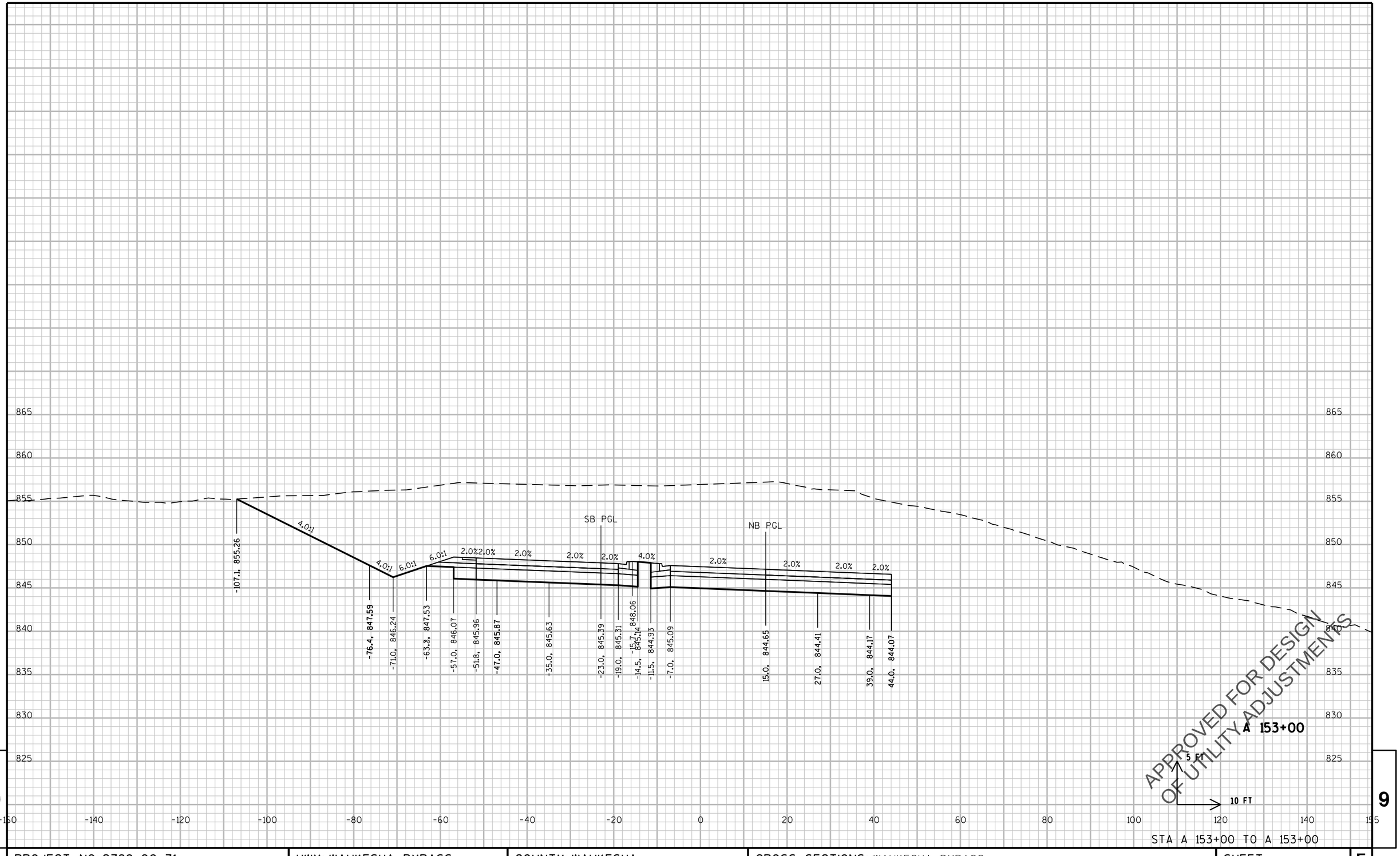
STA A 152+50 TO A 152+50

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: WAUKESHA BYPASS	SHEET E

PRE_409

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090201_XS_WB.dgn PLOT DATE : 4/11/2016 11:53:36 AM PLOT BY : lzidek PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



9

9

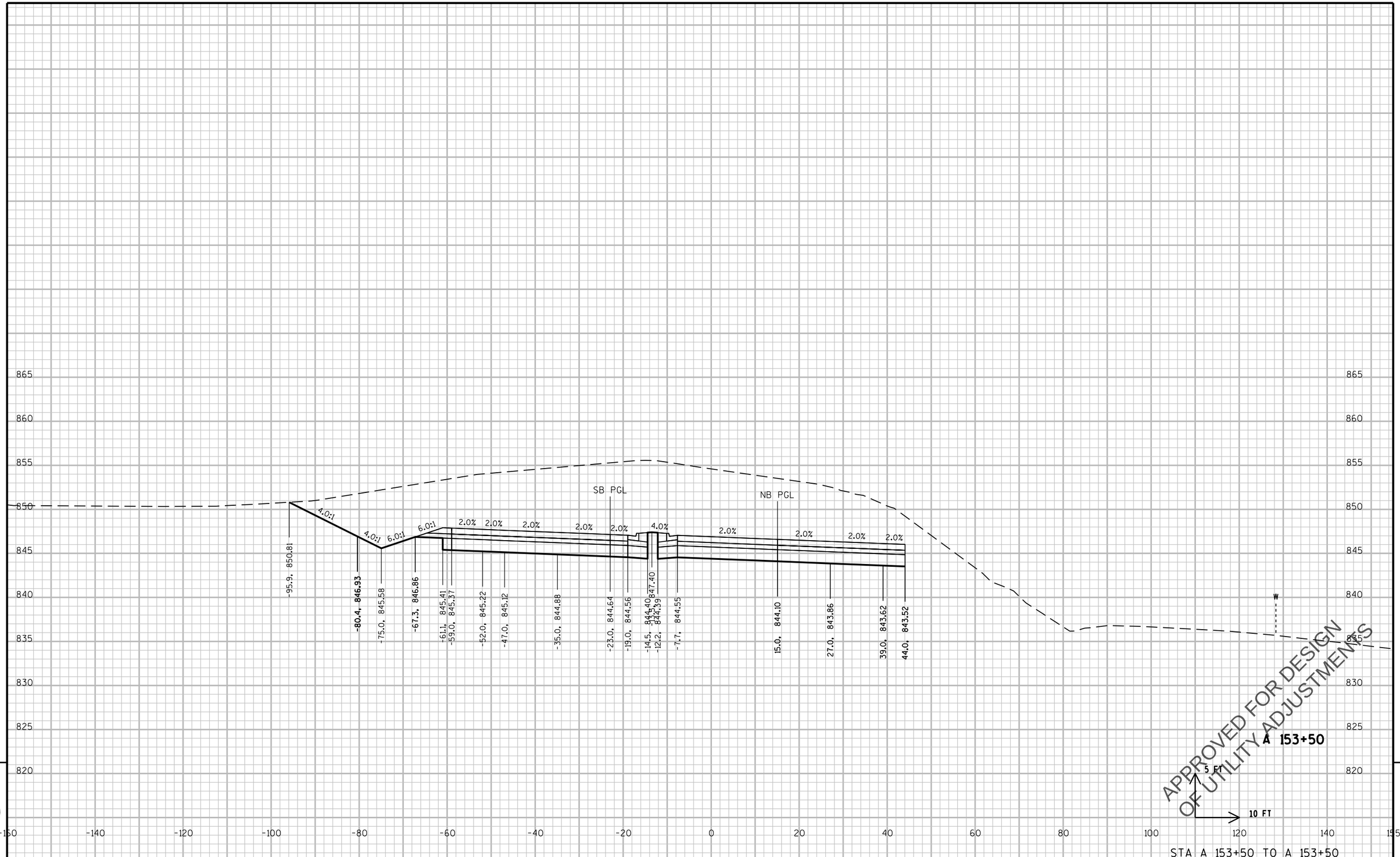
STA A 153+00 TO A 153+00

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: WAUKESHA BYPASS	SHEET	E

PRE_410

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090201_XS_WB.dgn PLOT DATE : 4/11/2016 11:53:37 AM PLOT BY : lzidek PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



9

9

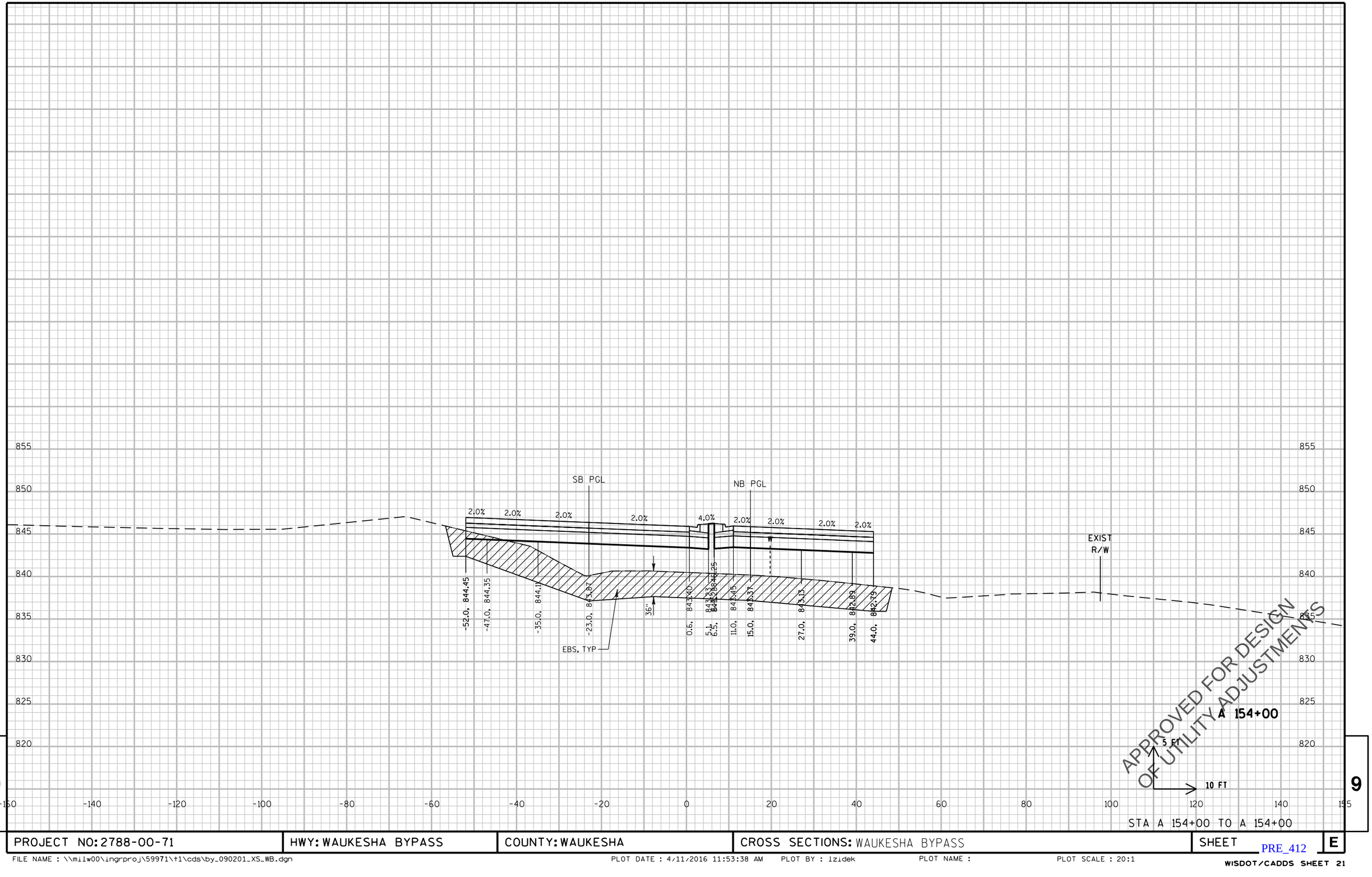
STA A 153+50 TO A 153+50

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: WAUKESHA BYPASS	SHEET E

PRE_411

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090201_XS_WB.dgn PLOT DATE : 4/11/2016 11:53:37 AM PLOT BY : lzidek PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

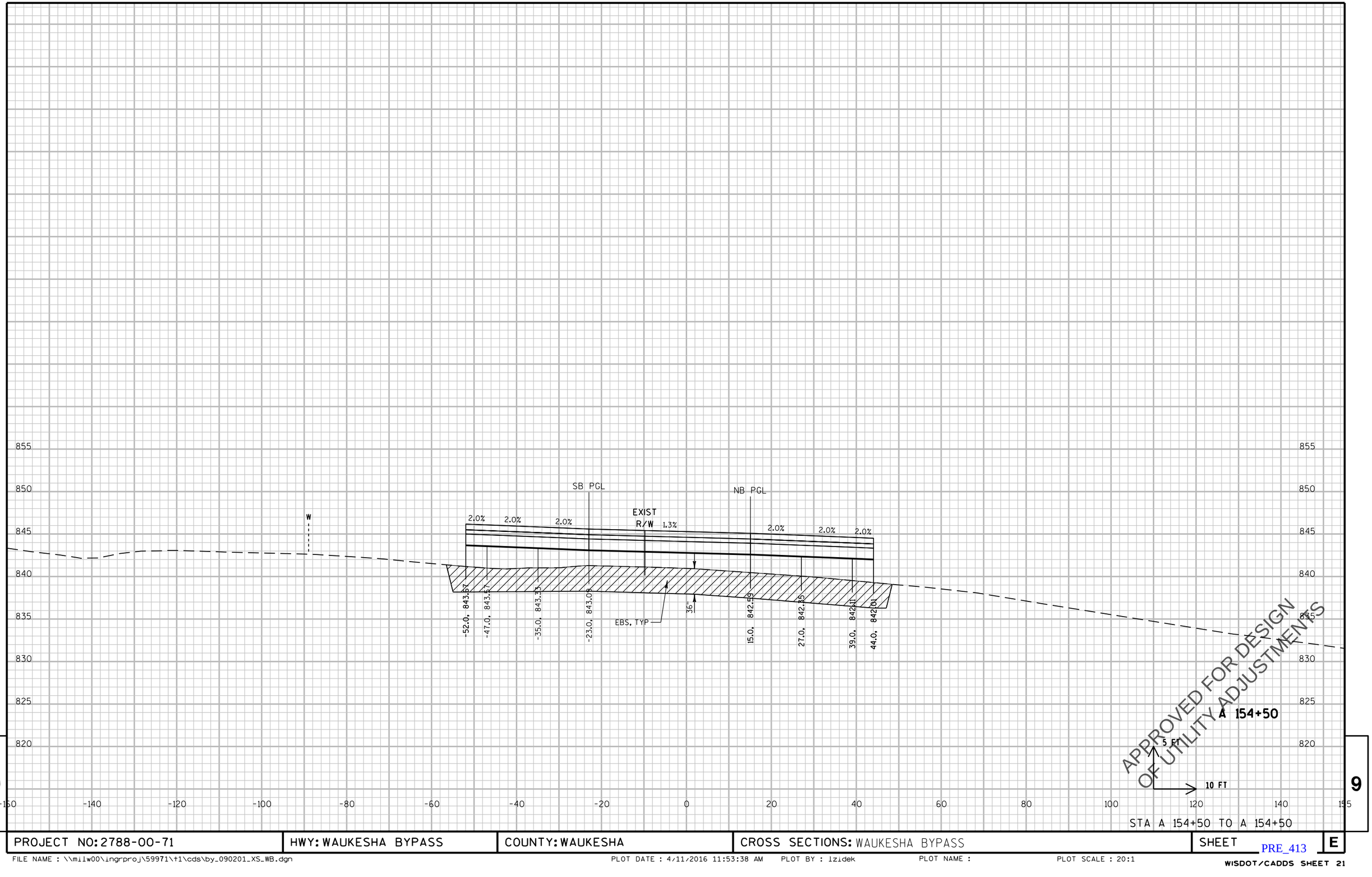


PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: WAUKESHA BYPASS	SHEET E

PRE_412

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090201_XS_WB.dgn PLOT DATE : 4/11/2016 11:53:38 AM PLOT BY : lzidek PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



STA A 154+50 TO A 154+50

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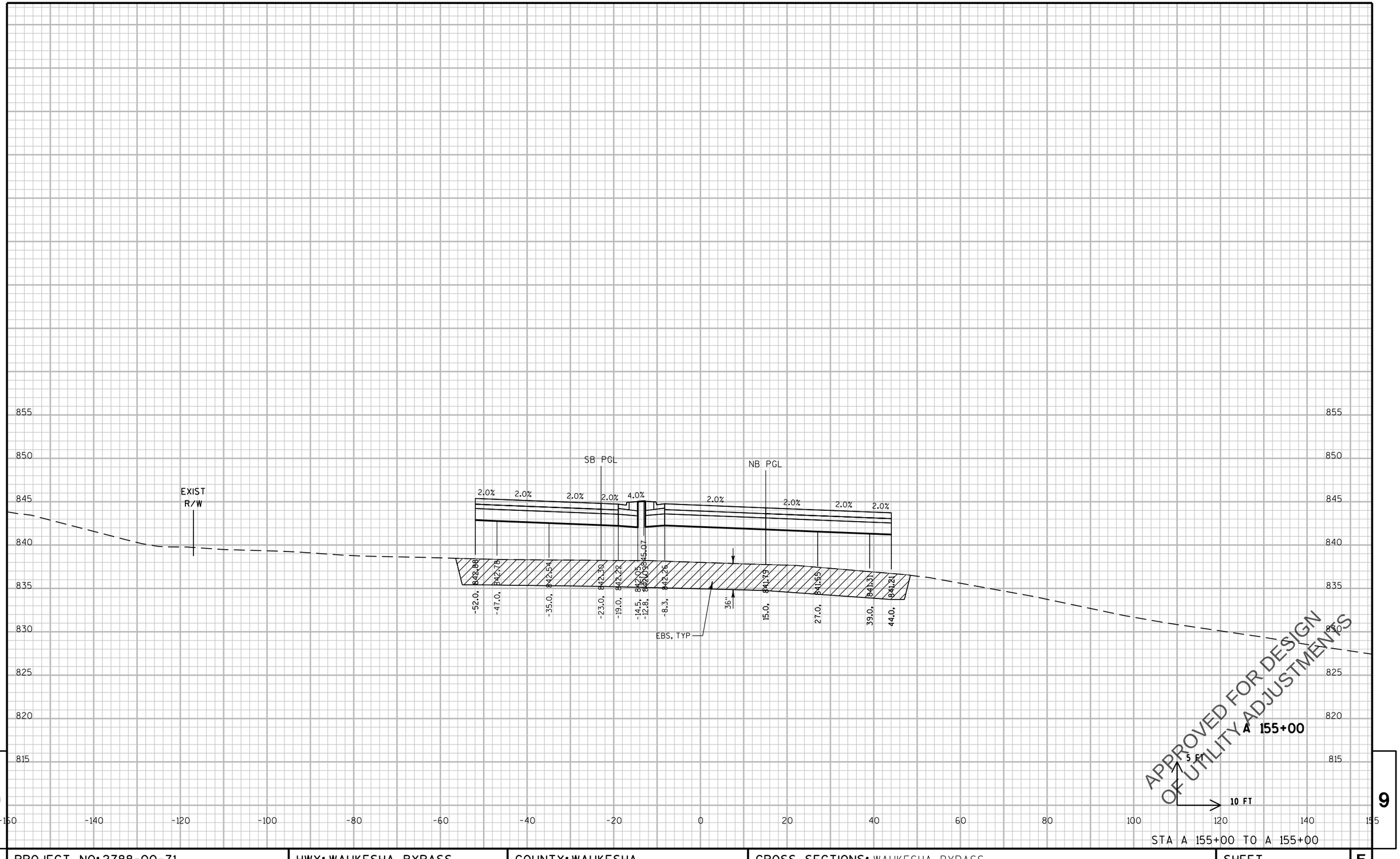
PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: WAUKESHA BYPASS	SHEET E

PRE_413

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090201_XS_WB.dgn PLOT DATE : 4/11/2016 11:53:38 AM PLOT BY : lzidek PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



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STA A 155+00 TO A 155+00

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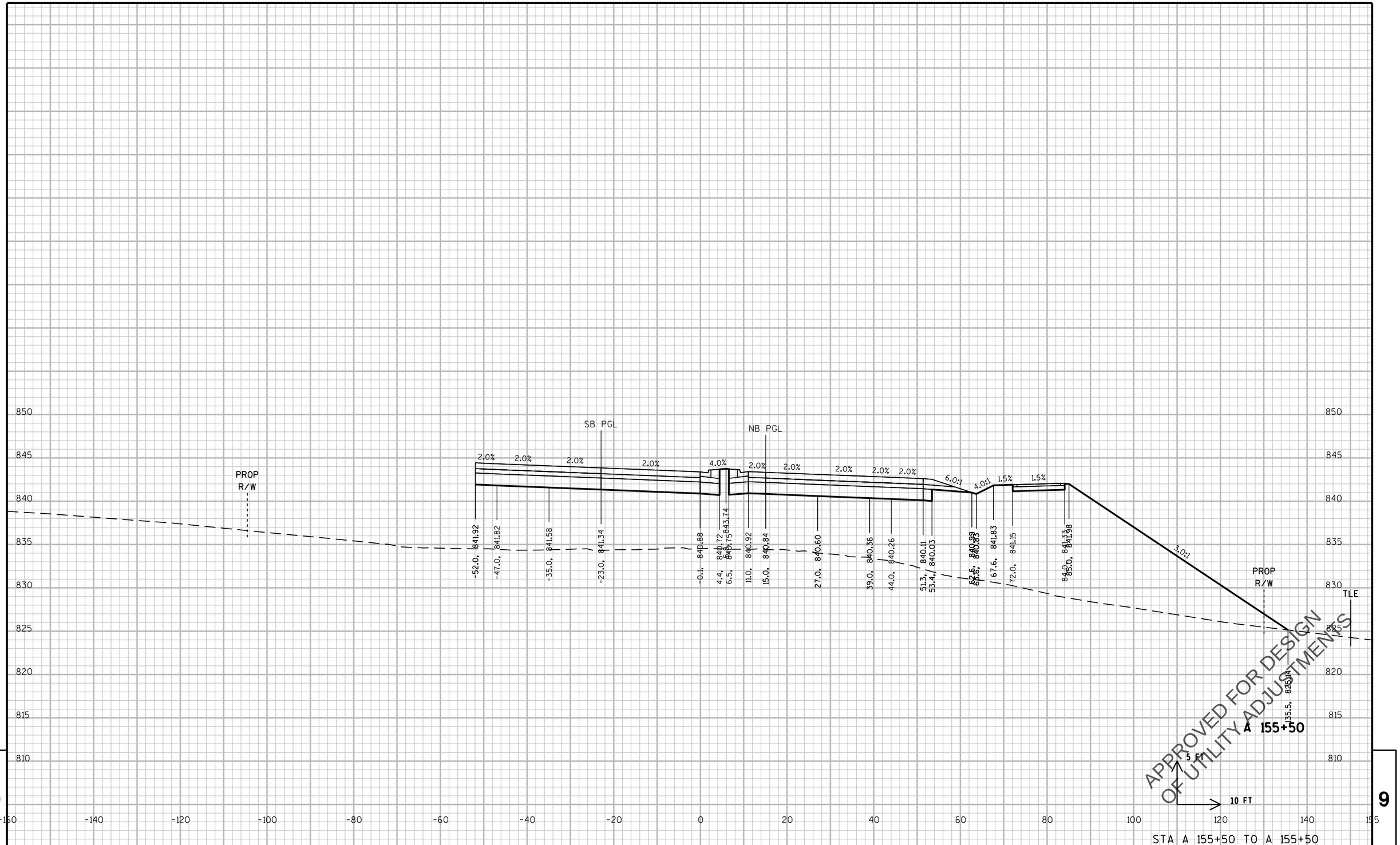
PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: WAUKESHA BYPASS	SHEET E

PRE_414

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090201_XS_WB.dgn PLOT DATE : 4/11/2016 11:53:39 AM PLOT BY : lzidek PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



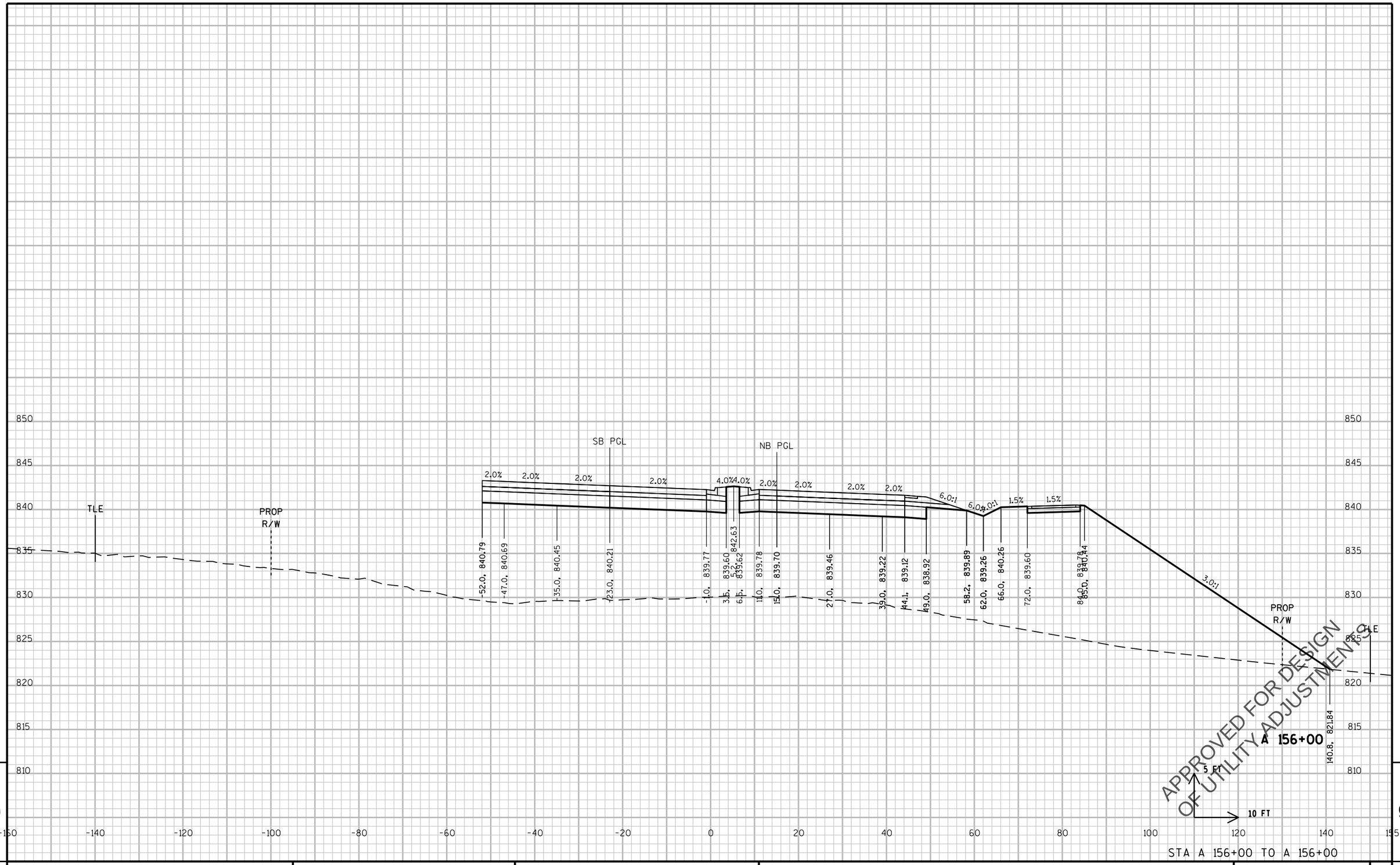
STA A 155+50 TO A 155+50

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: WAUKESHA BYPASS	SHEET	E

PRE_415

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090201_XS_WB.dgn PLOT DATE : 4/11/2016 11:53:39 AM PLOT BY : lzidek PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

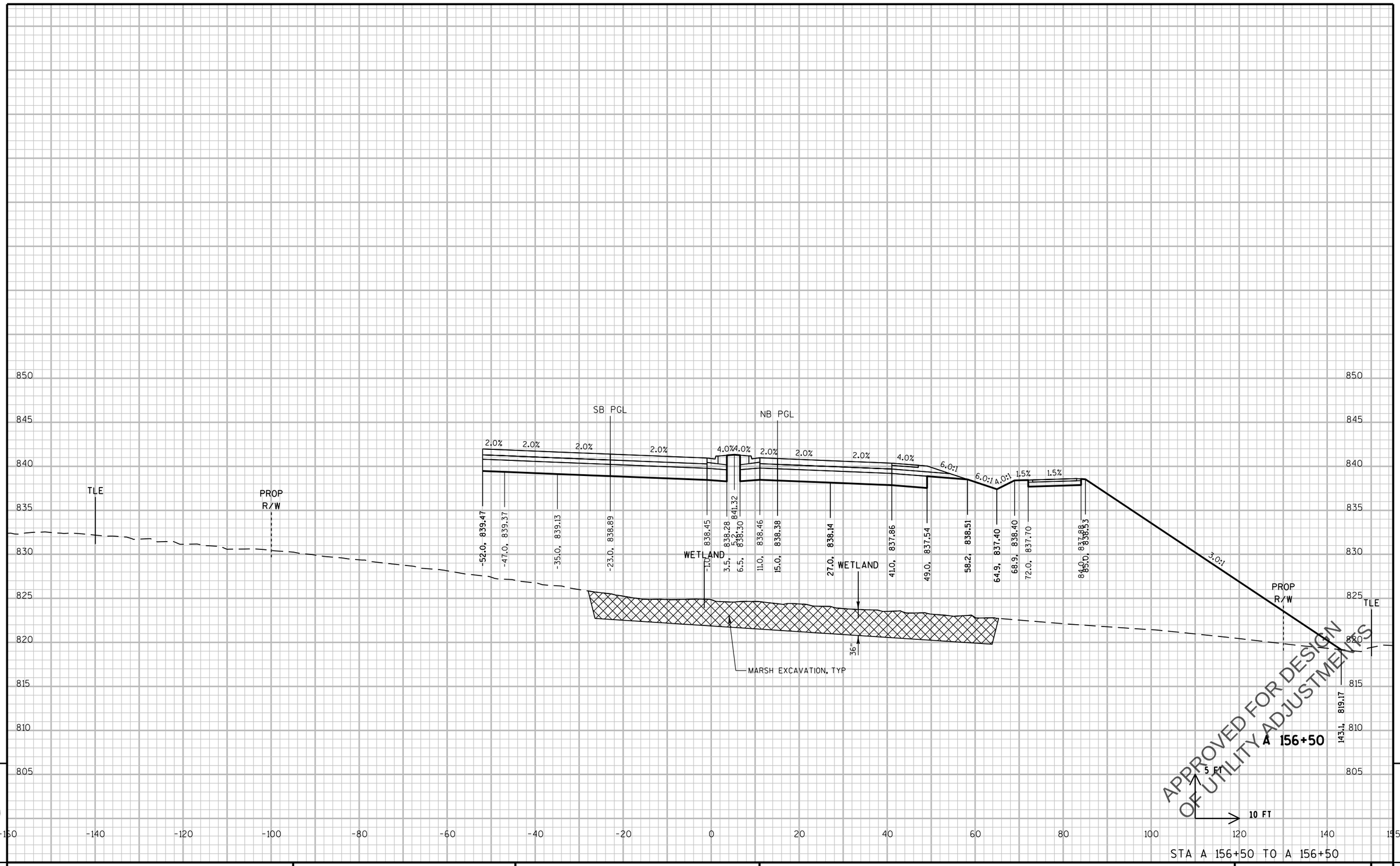


STA A 156+00 TO A 156+00

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: WAUKESHA BYPASS	SHEET E

PRE_416

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090201_XS_WB.dgn PLOT DATE : 4/11/2016 11:53:40 AM PLOT BY : lzidek PLOT NAME : PLOT SCALE : 20:1

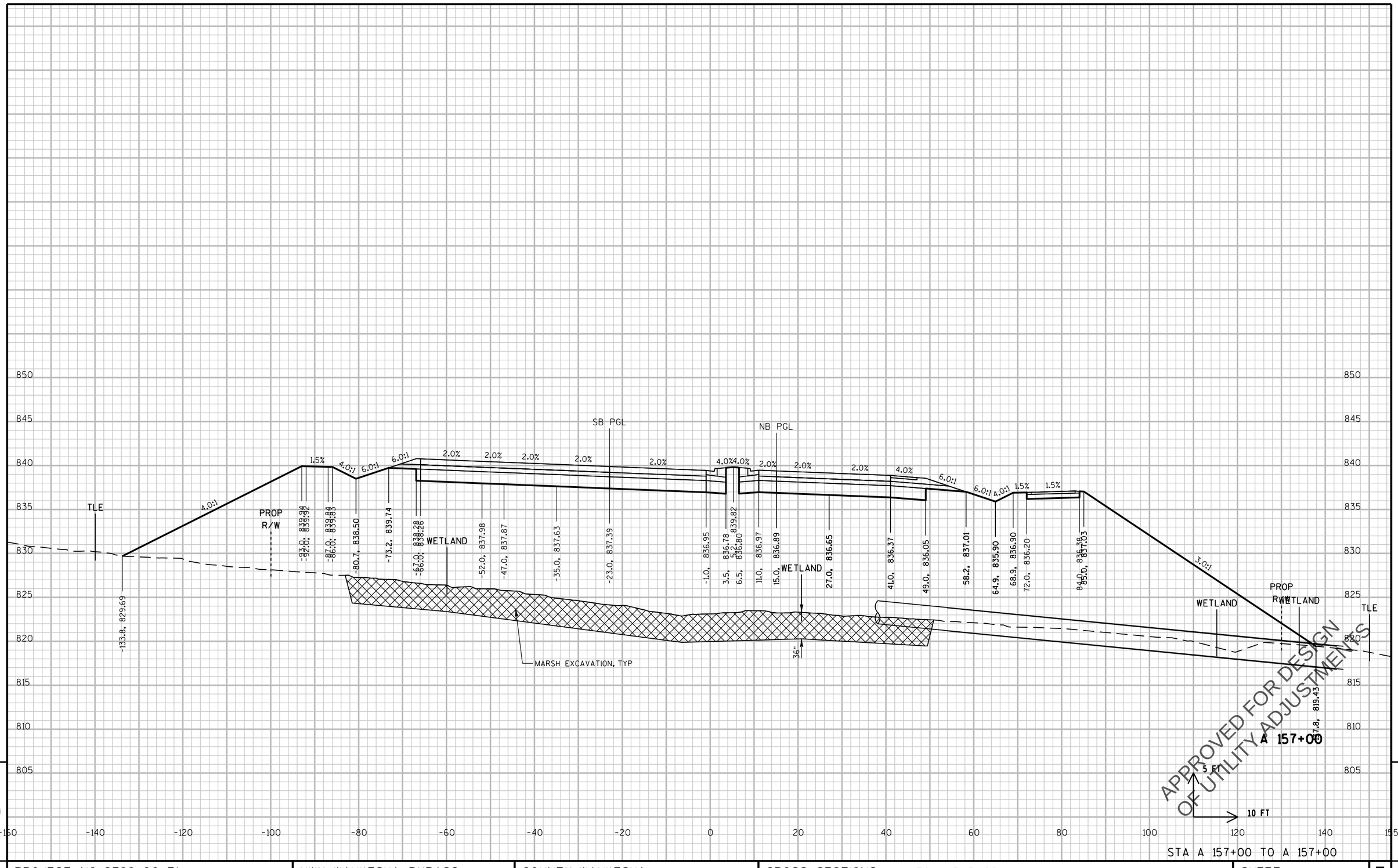


PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: WAUKESHA BYPASS	SHEET E

PRE_417

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090201_XS_WB.dgn PLOT DATE : 4/11/2016 11:53:40 AM PLOT BY : lzidek PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



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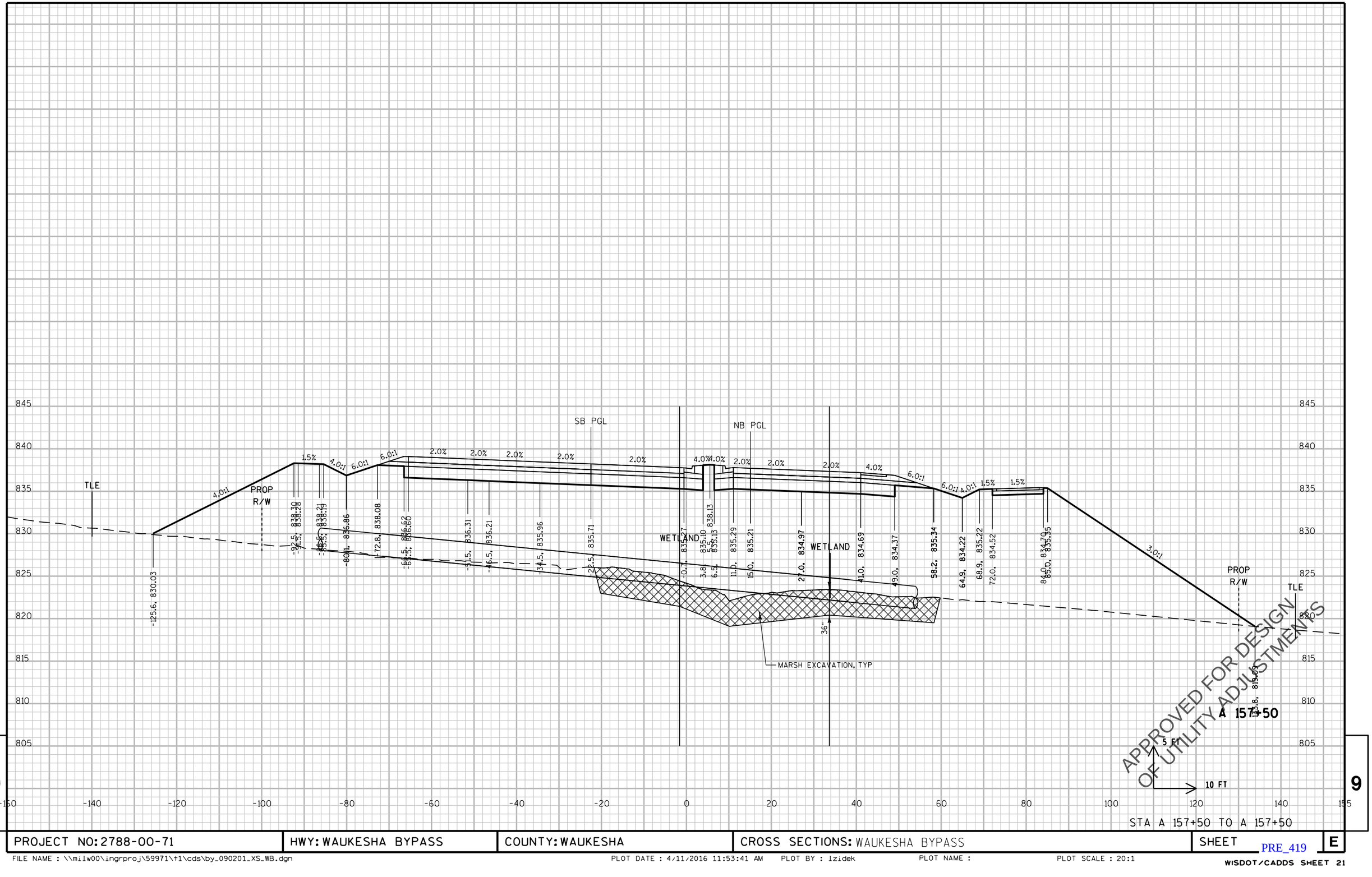
STA A 157+00 TO A 157+00

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: WAUKESHA BYPASS	SHEET E

PRE_418

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090201_XS_WB.dgn PLOT DATE : 4/11/2016 11:53:41 AM PLOT BY : lzidek PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

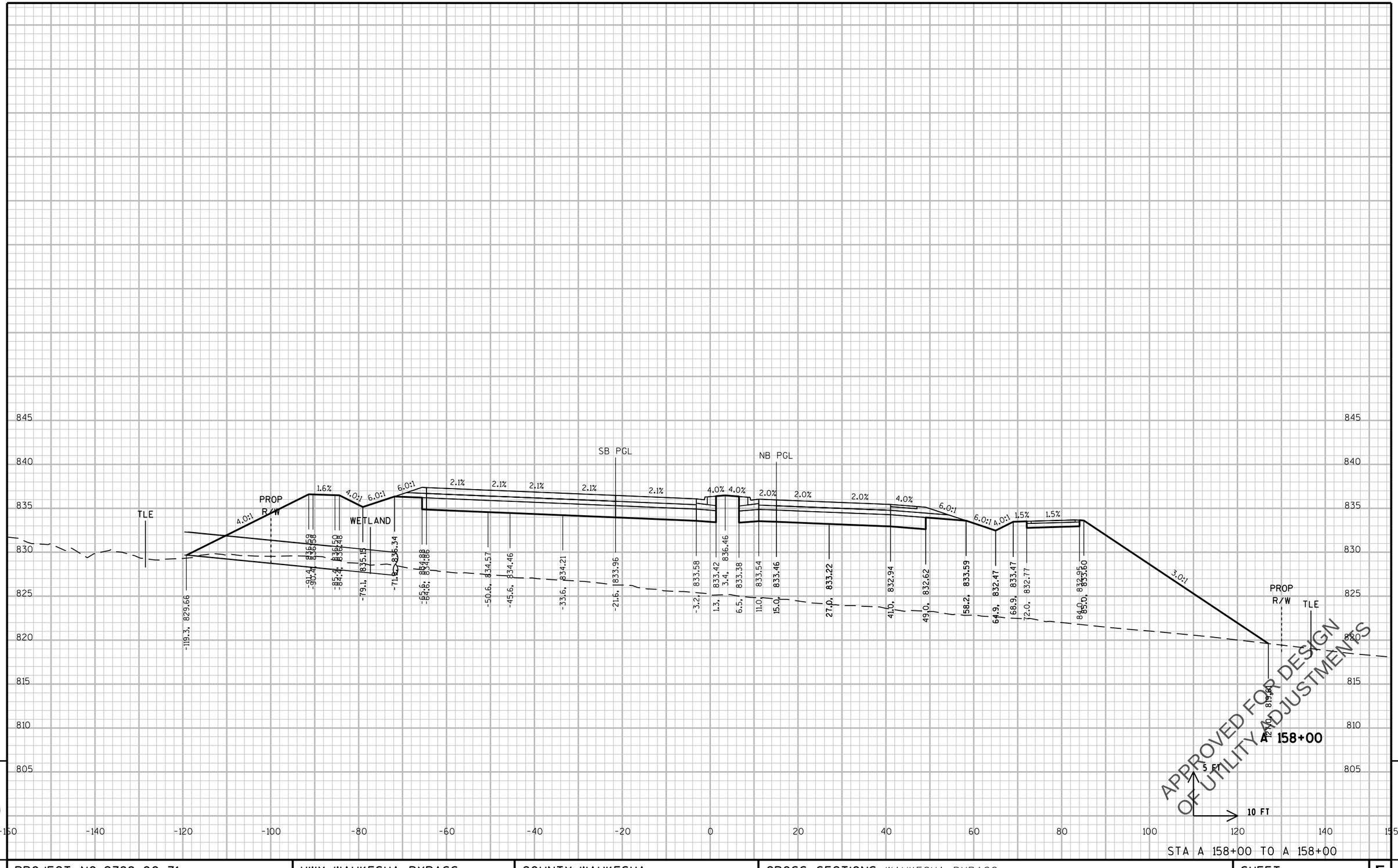


PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: WAUKESHA BYPASS	SHEET E

PRE_419

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090201_XS_WB.dgn PLOT DATE : 4/11/2016 11:53:41 AM PLOT BY : lzidek PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



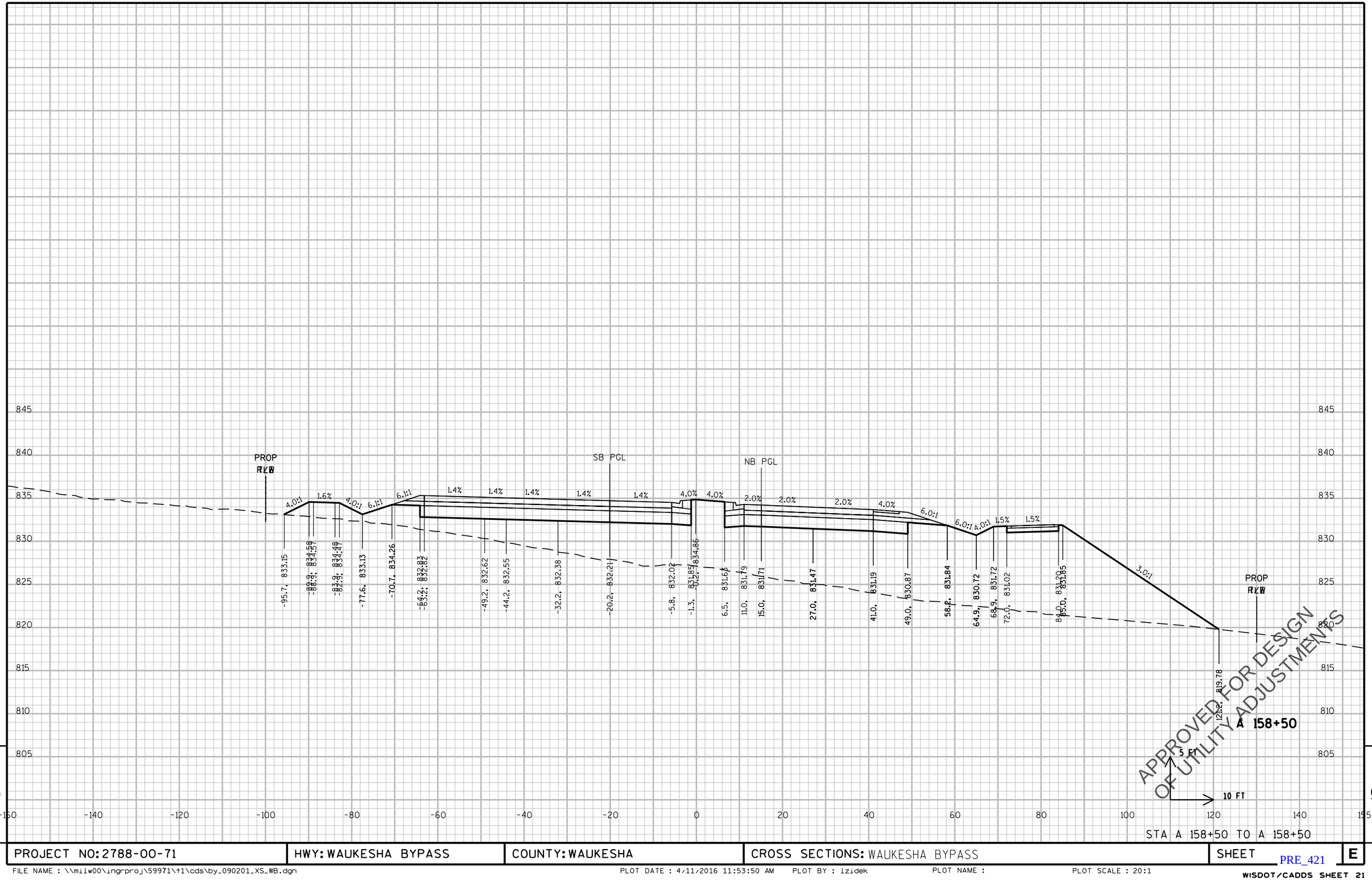
STA A 158+00 TO A 158+00

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: WAUKESHA BYPASS	SHEET E

PRE_420

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090201_XS_WB.dgn PLOT DATE : 4/11/2016 11:53:50 AM PLOT BY : lzidek PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



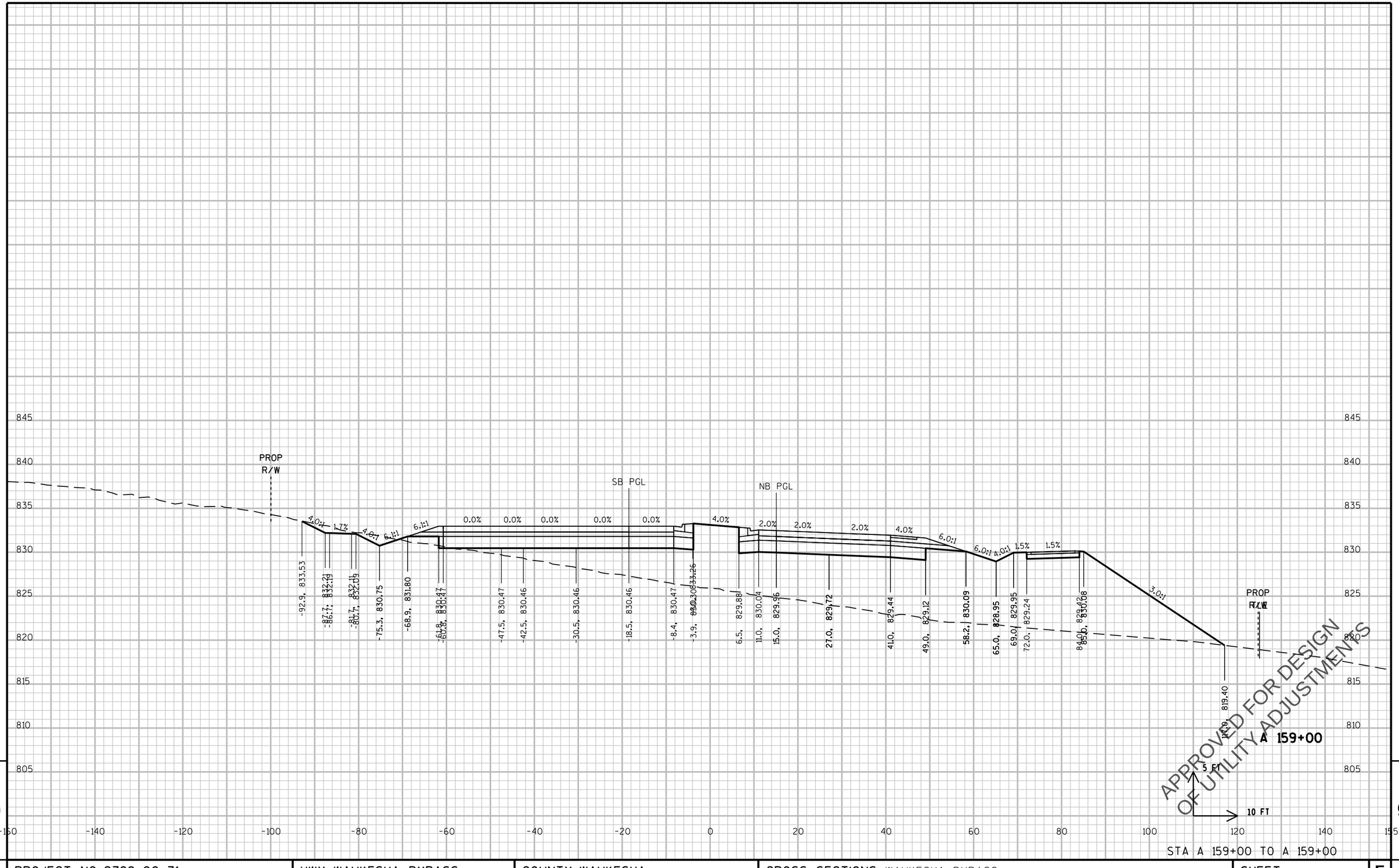
STA A 158+50 TO A 158+50

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: WAUKESHA BYPASS	SHEET E

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090201_XS_WB.dgn PLOT DATE : 4/11/2016 11:53:50 AM PLOT BY : lzidek PLOT NAME : PLOT SCALE : 20:1

PRE_421

WISDOT/CADDS SHEET 21



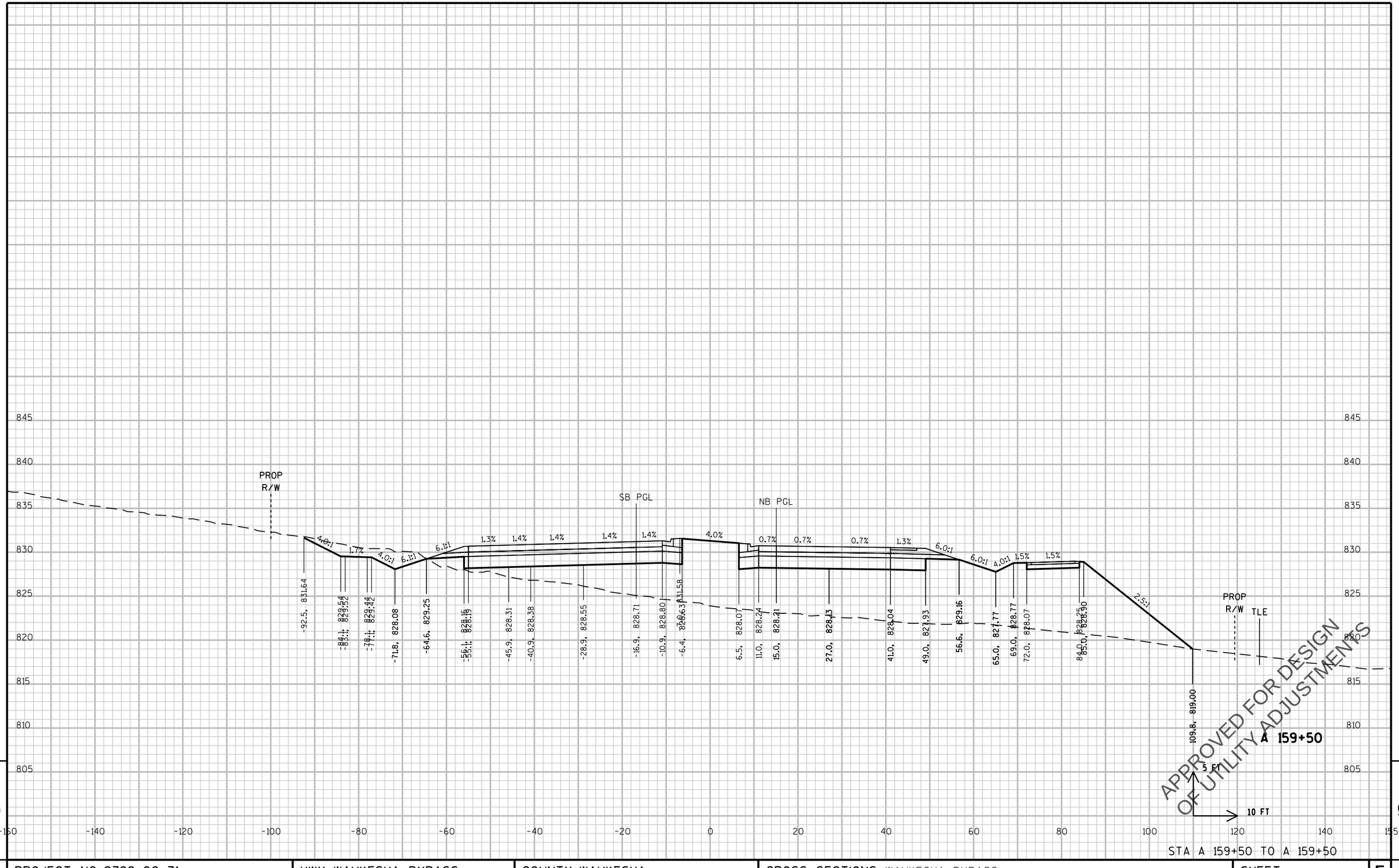
STA A 159+00 TO A 159+00

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: WAUKESHA BYPASS	SHEET	E

PRE_422

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090201_XS_WB.dgn PLOT DATE : 4/11/2016 11:53:51 AM PLOT BY : lzidek PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



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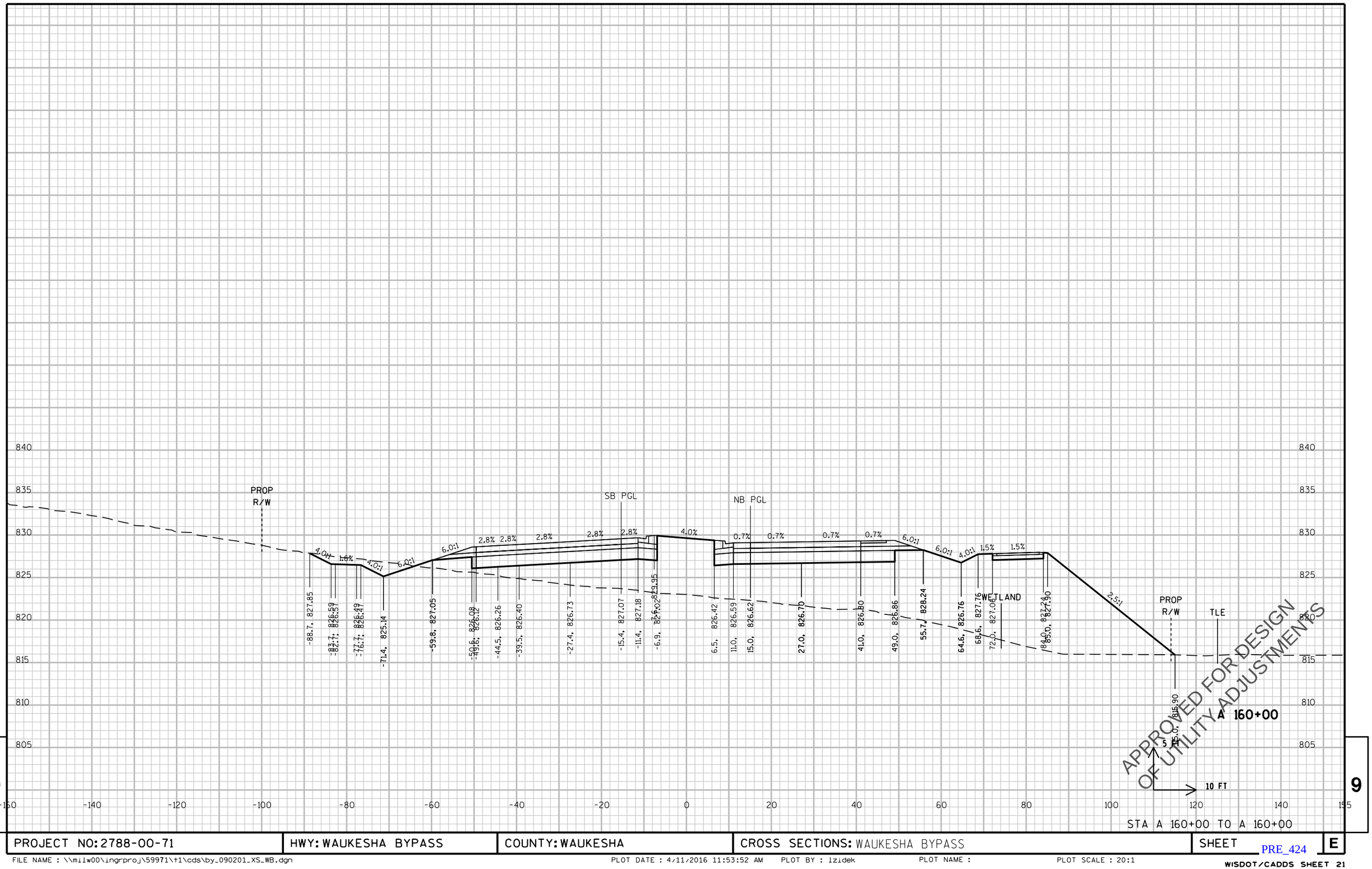
PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: WAUKESHA BYPASS	SHEET E

PRE_423

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090201_XS_WB.dgn PLOT DATE : 4/11/2016 11:53:51 AM PLOT BY : lzidek PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

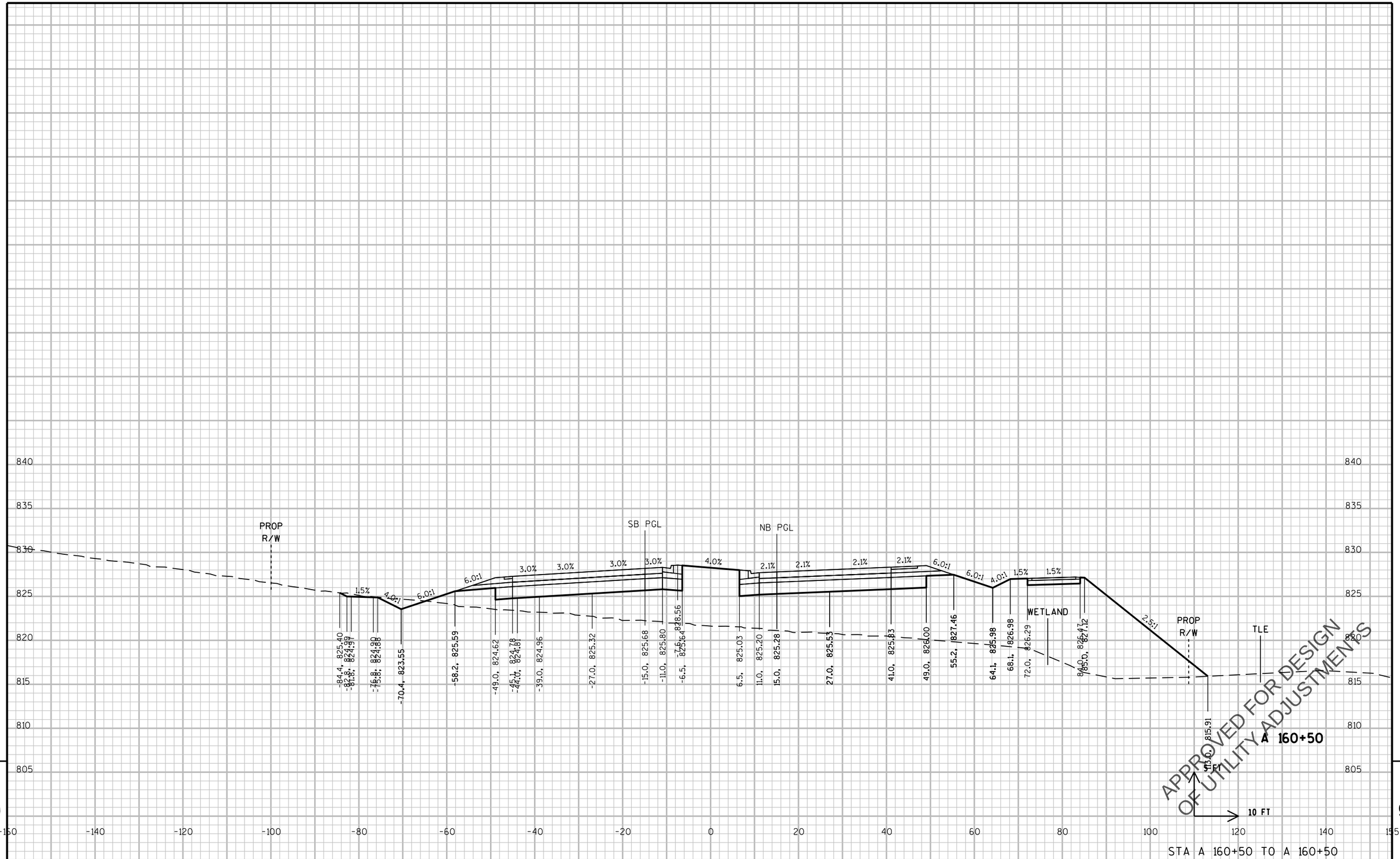


PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: WAUKESHA BYPASS	SHEET E

PRE_424

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090201_XS_WB.dgn PLOT DATE : 4/11/2016 11:53:52 AM PLOT BY : lzidek PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS

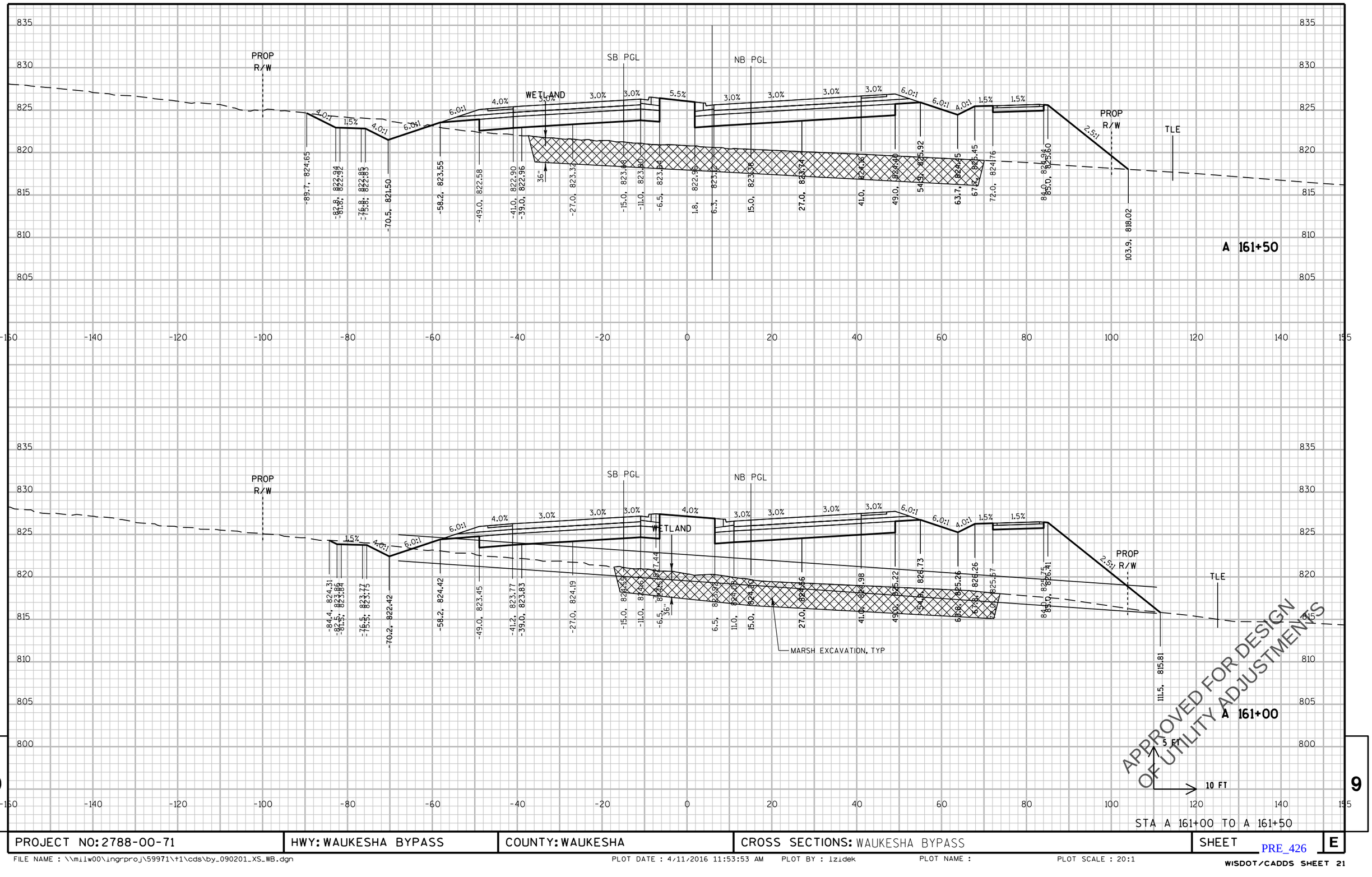
STA A 160+50 TO A 160+50

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: WAUKESHA BYPASS	SHEET E

PRE_425

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090201_XS_WB.dgn PLOT DATE : 4/11/2016 11:53:52 AM PLOT BY : lzidek PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



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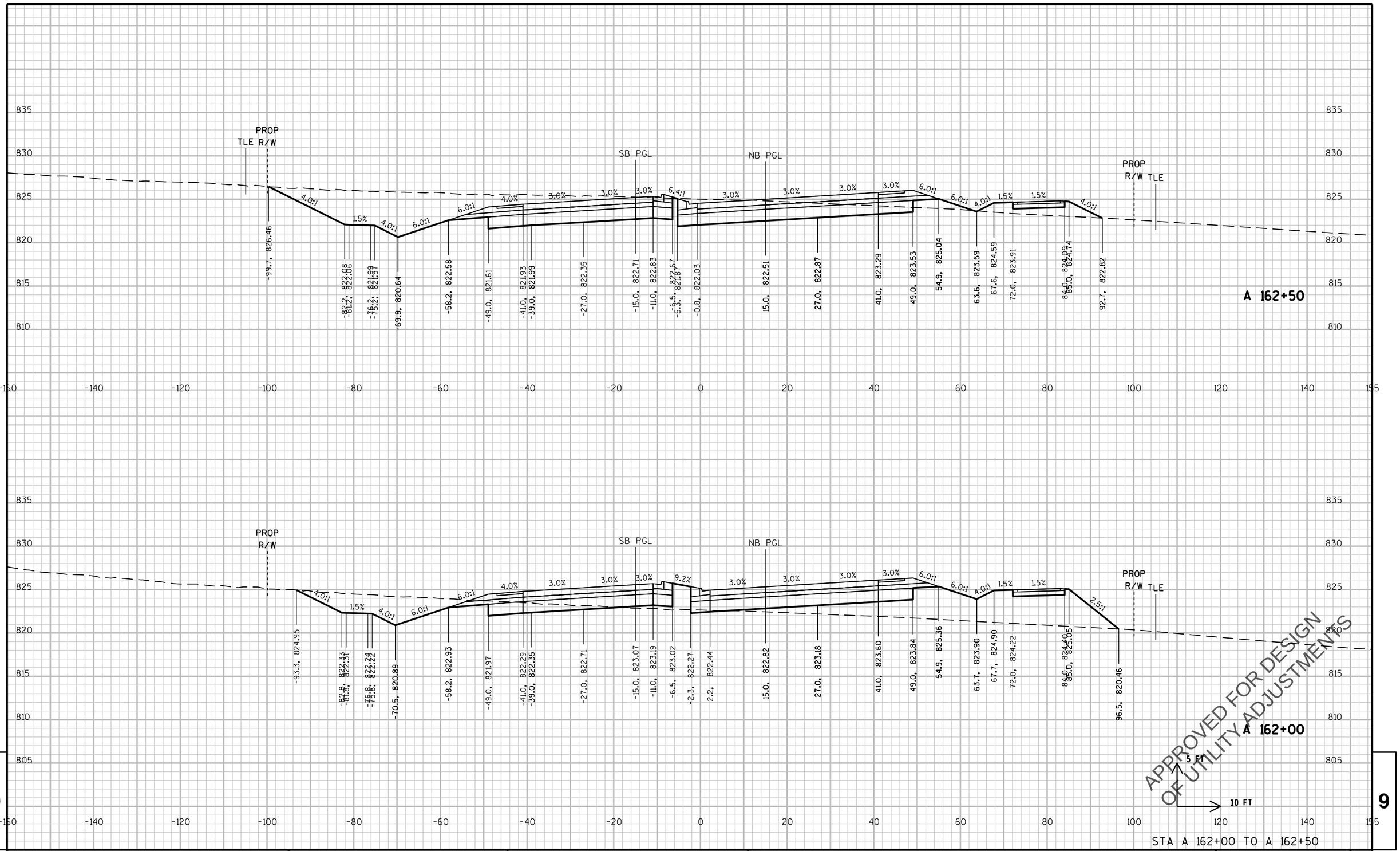
PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: WAUKESHA BYPASS	SHEET E

PRE_426

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090201_XS_WB.dgn PLOT DATE : 4/11/2016 11:53:53 AM PLOT BY : lzidek PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



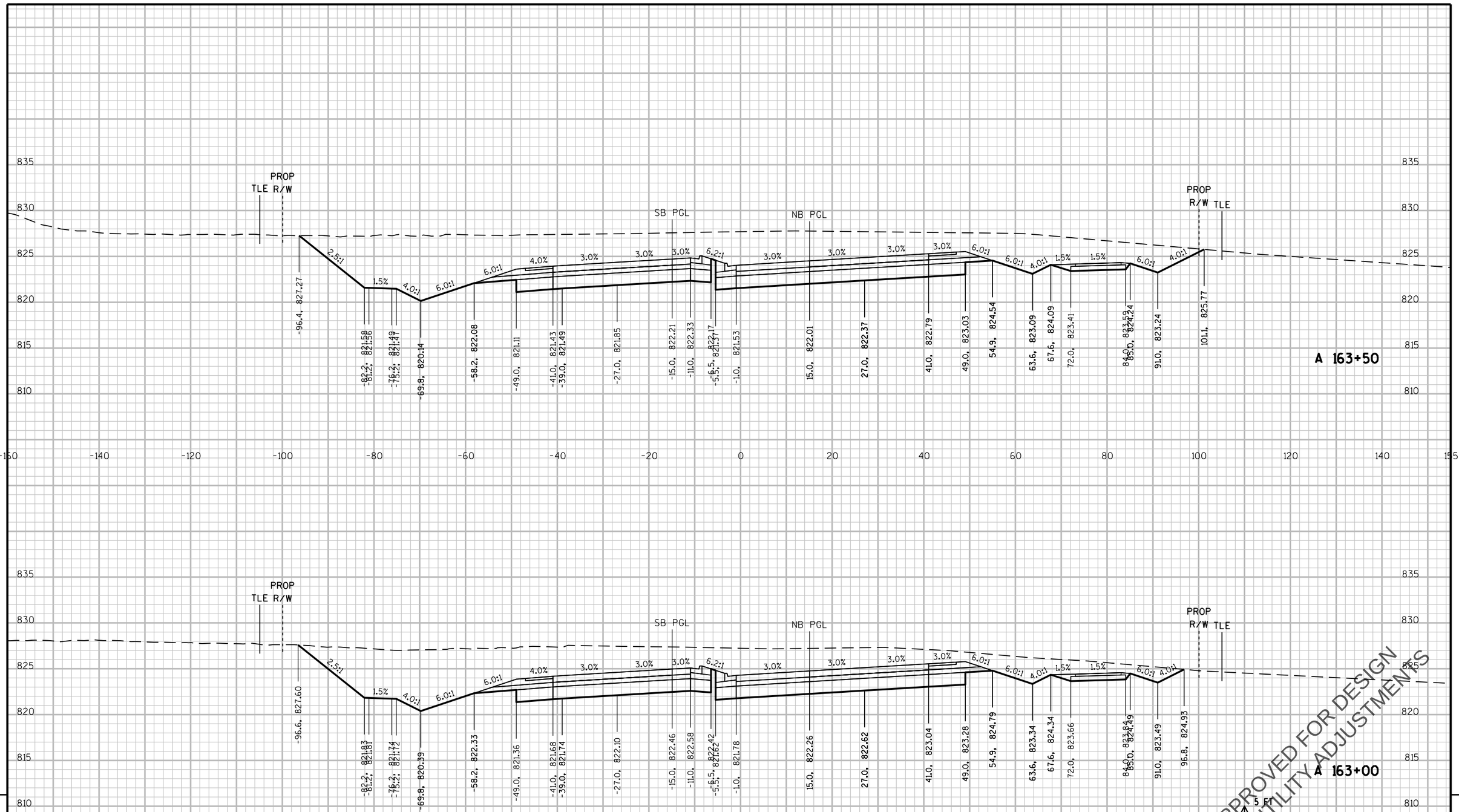
STA A 162+00 TO A 162+50

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: WAUKESHA BYPASS	SHEET E

PRE_427

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090201_XS_WB.dgn PLOT DATE : 4/11/2016 11:53:53 AM PLOT BY : lzidek PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

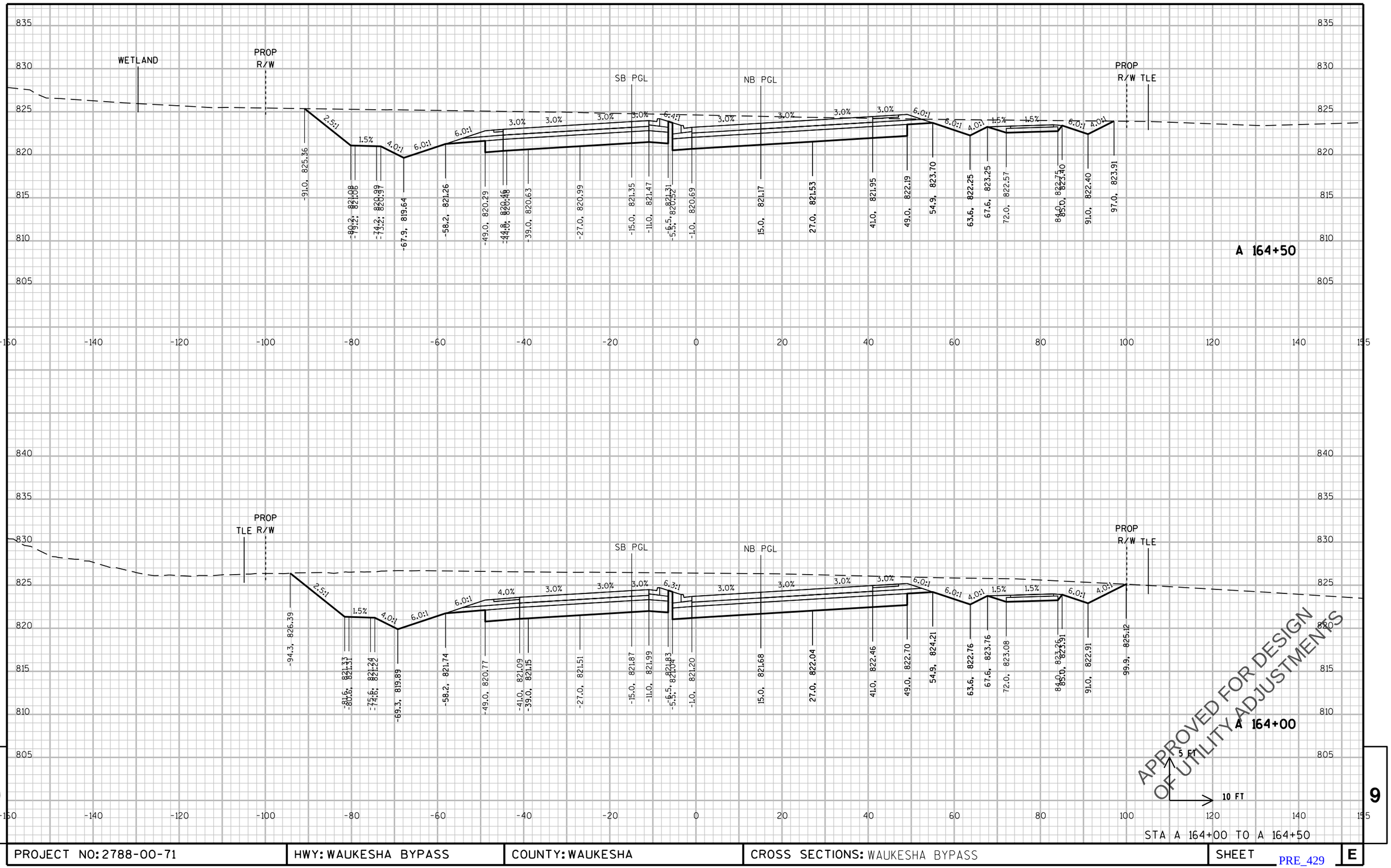


PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: WAUKESHA BYPASS	SHEET	E

PRE_428

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090201_XS_WB.dgn PLOT DATE : 4/11/2016 11:53:54 AM PLOT BY : lzidek PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



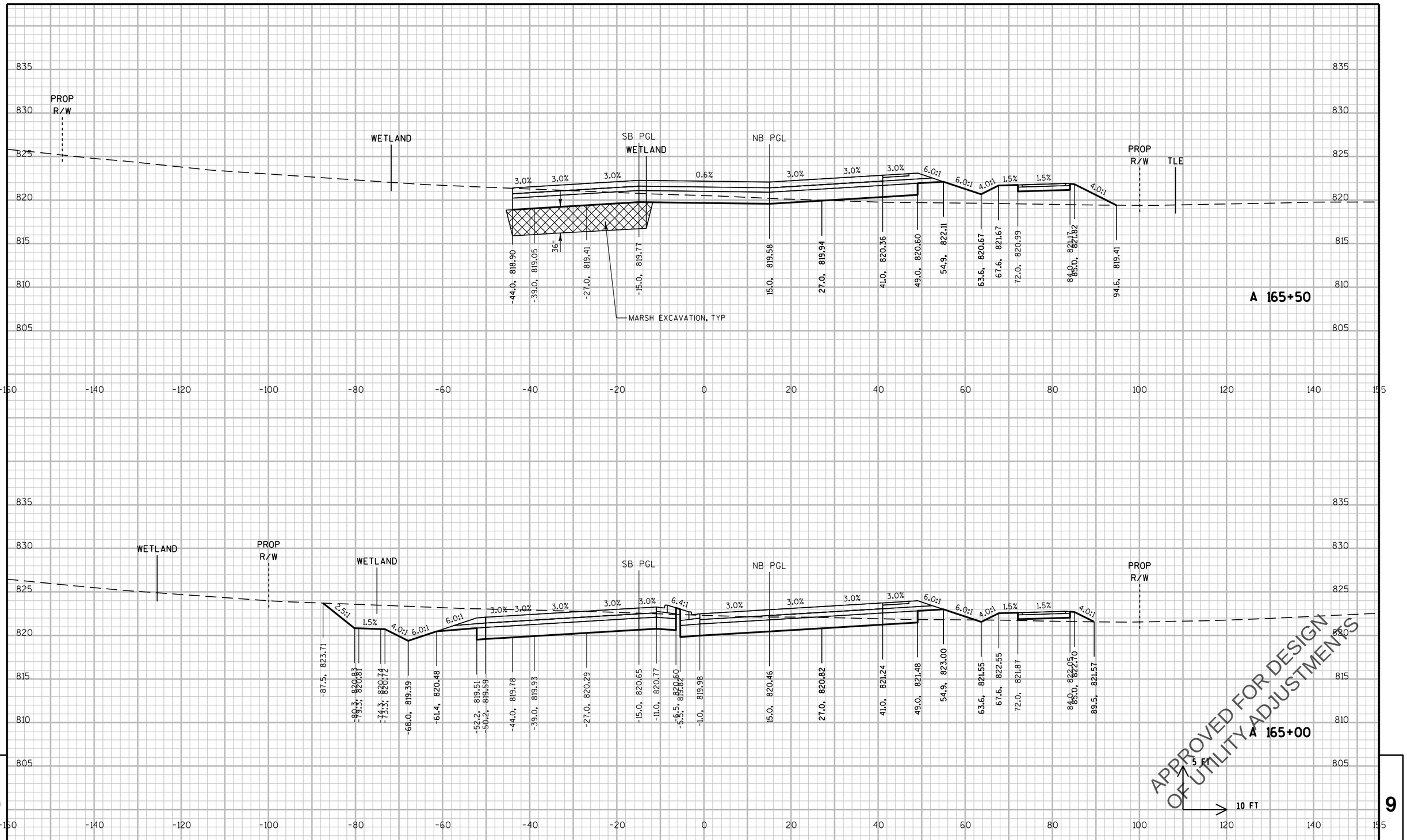
STA A 164+00 TO A 164+50

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: WAUKESHA BYPASS	SHEET E

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090201_XS_WB.dgn PLOT DATE : 4/11/2016 11:53:54 AM PLOT BY : lzidek PLOT NAME : PLOT SCALE : 20:1

PRE_429

WISDOT/CADDS SHEET 21



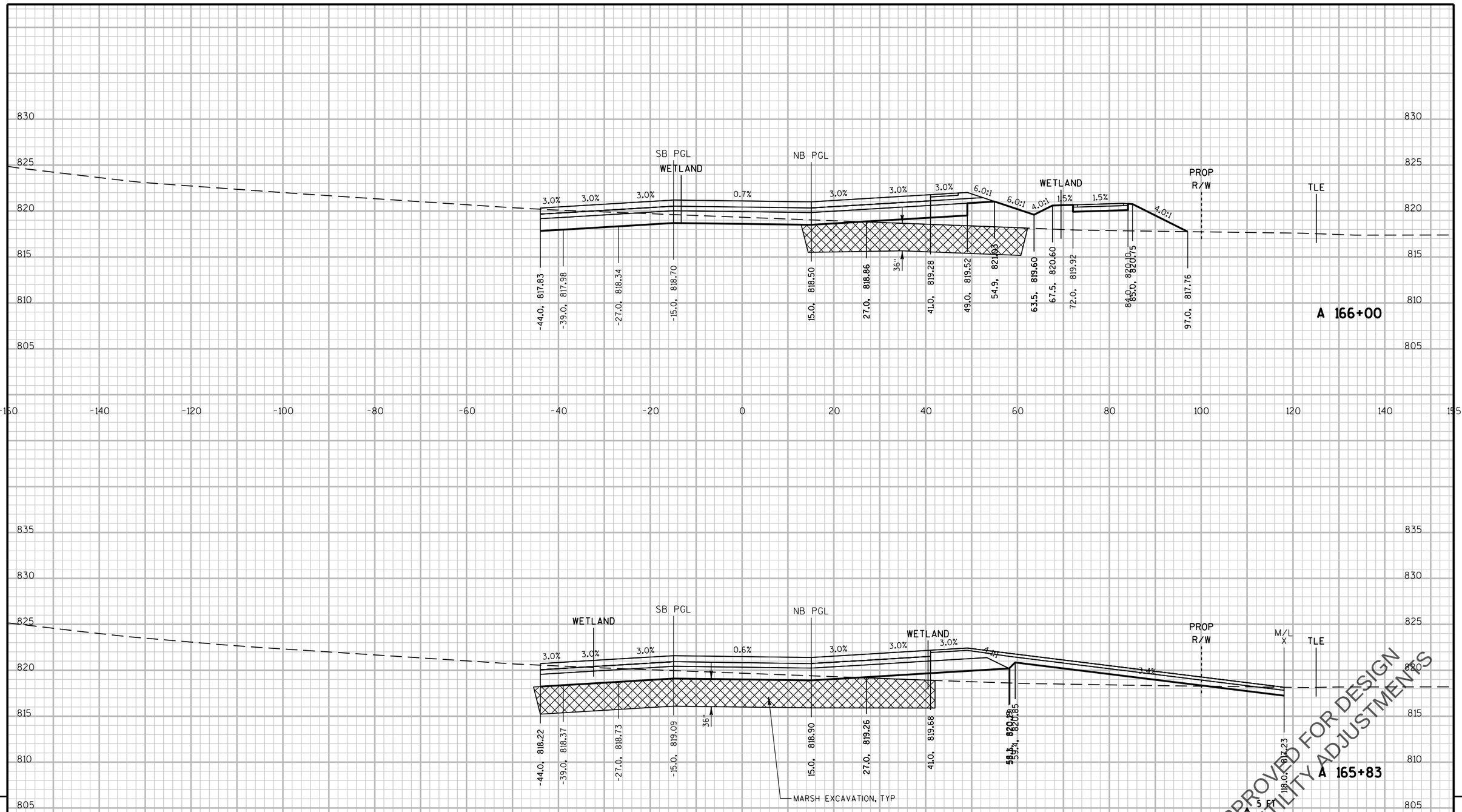
STA A 165+00 TO A 165+50

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: WAUKESHA BYPASS	SHEET E

PRE_430

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090201_XS_WB.dgn PLOT DATE : 4/11/2016 11:53:55 AM PLOT BY : lzidek PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



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STA A 165+83 TO A 166+00

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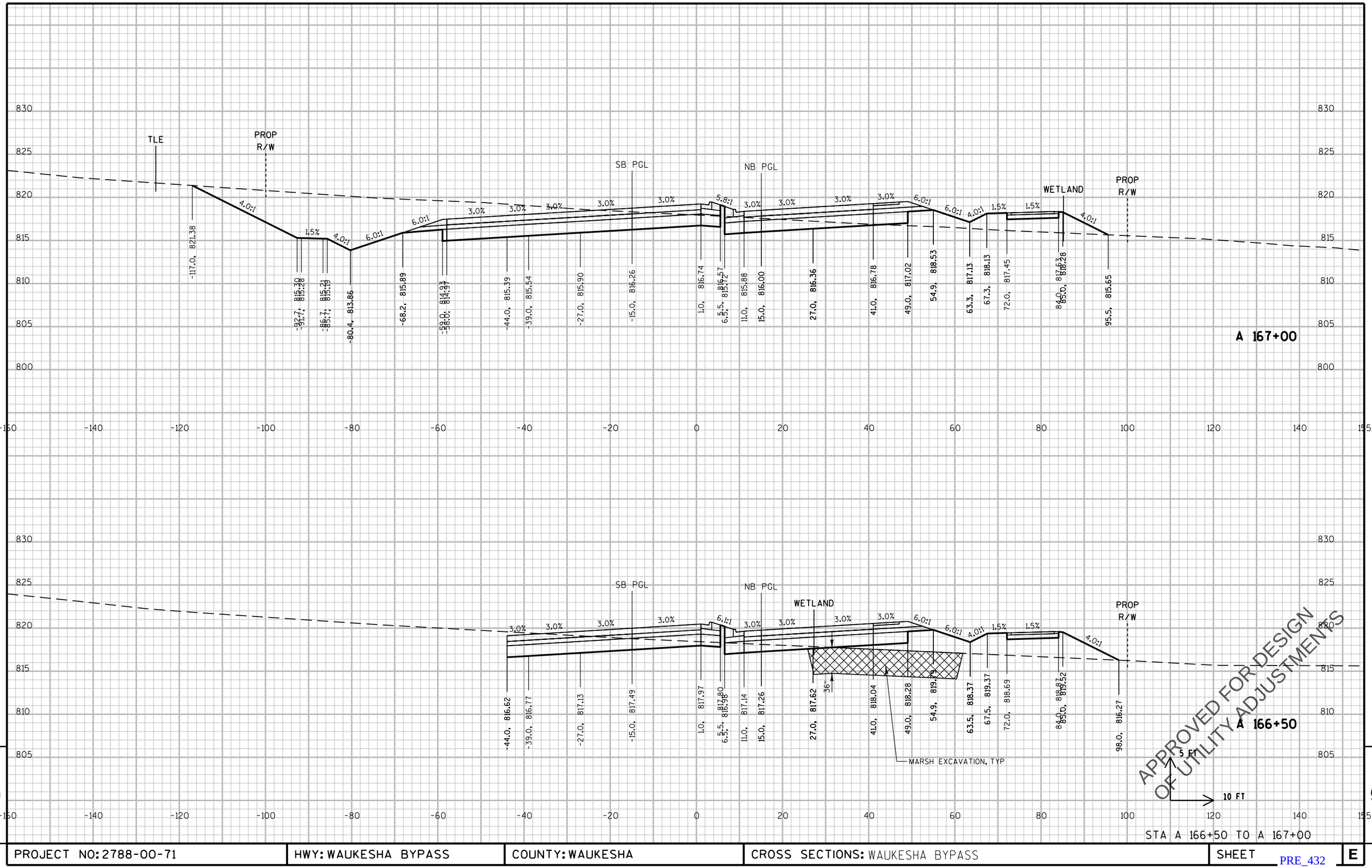
PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: WAUKESHA BYPASS	SHEET E

PRE_431

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090201_XS_WB.dgn PLOT DATE : 4/11/2016 11:53:55 AM PLOT BY : lzidek PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



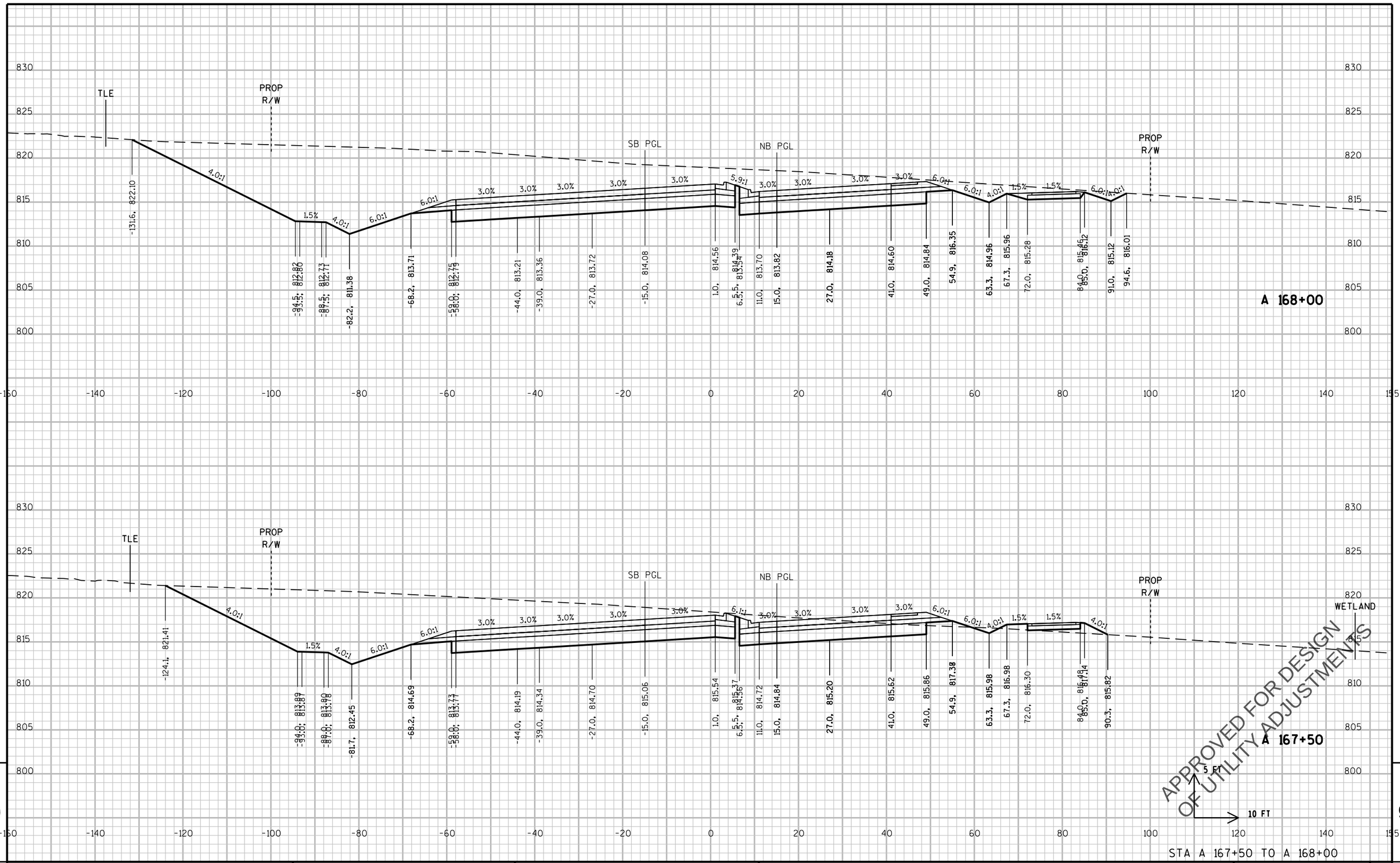
STA A 166+50 TO A 167+00

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: WAUKESHA BYPASS	SHEET E

PRE_432

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090201_XS_WB.dgn PLOT DATE : 4/11/2016 11:53:56 AM PLOT BY : lzidek PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

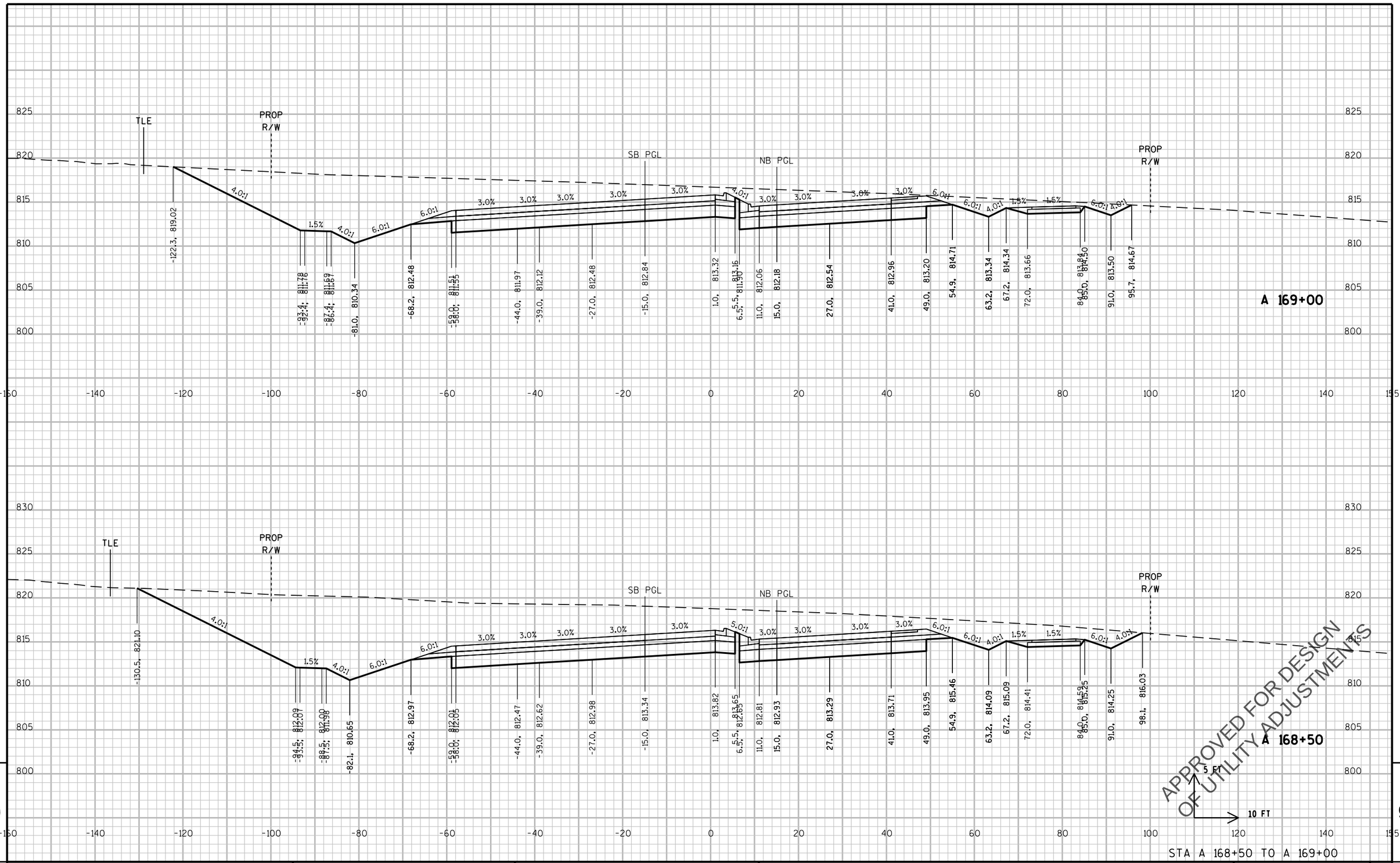


PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: WAUKESHA BYPASS	SHEET E

PRE_433

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090201_XS_WB.dgn PLOT DATE : 4/11/2016 11:53:56 AM PLOT BY : lzidek PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

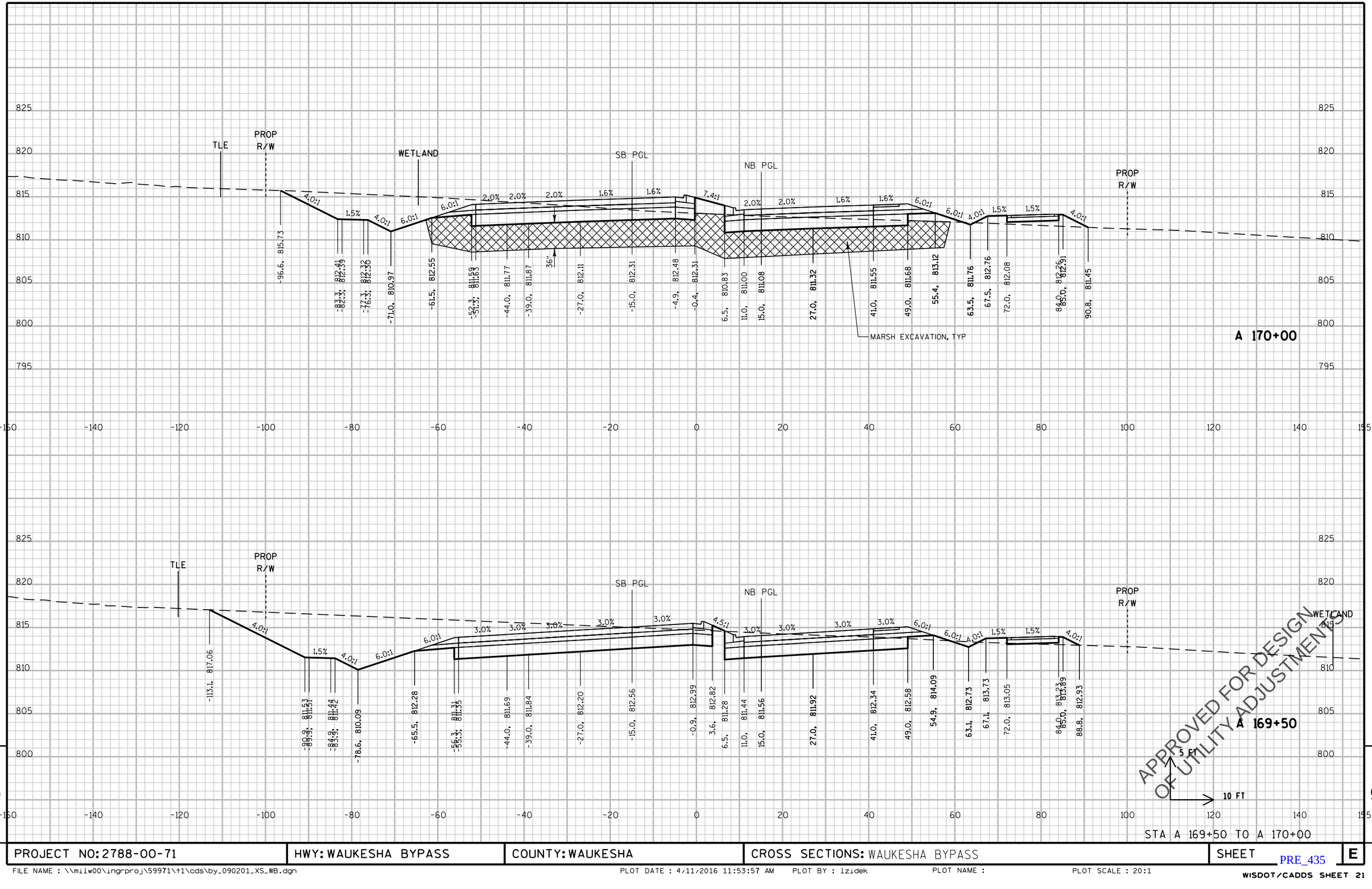


PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: WAUKESHA BYPASS	SHEET	E

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090201_XS_WB.dgn PLOT DATE : 4/11/2016 11:53:57 AM PLOT BY : lzidek PLOT NAME : PLOT SCALE : 20:1

PRE_434

WISDOT/CADDS SHEET 21



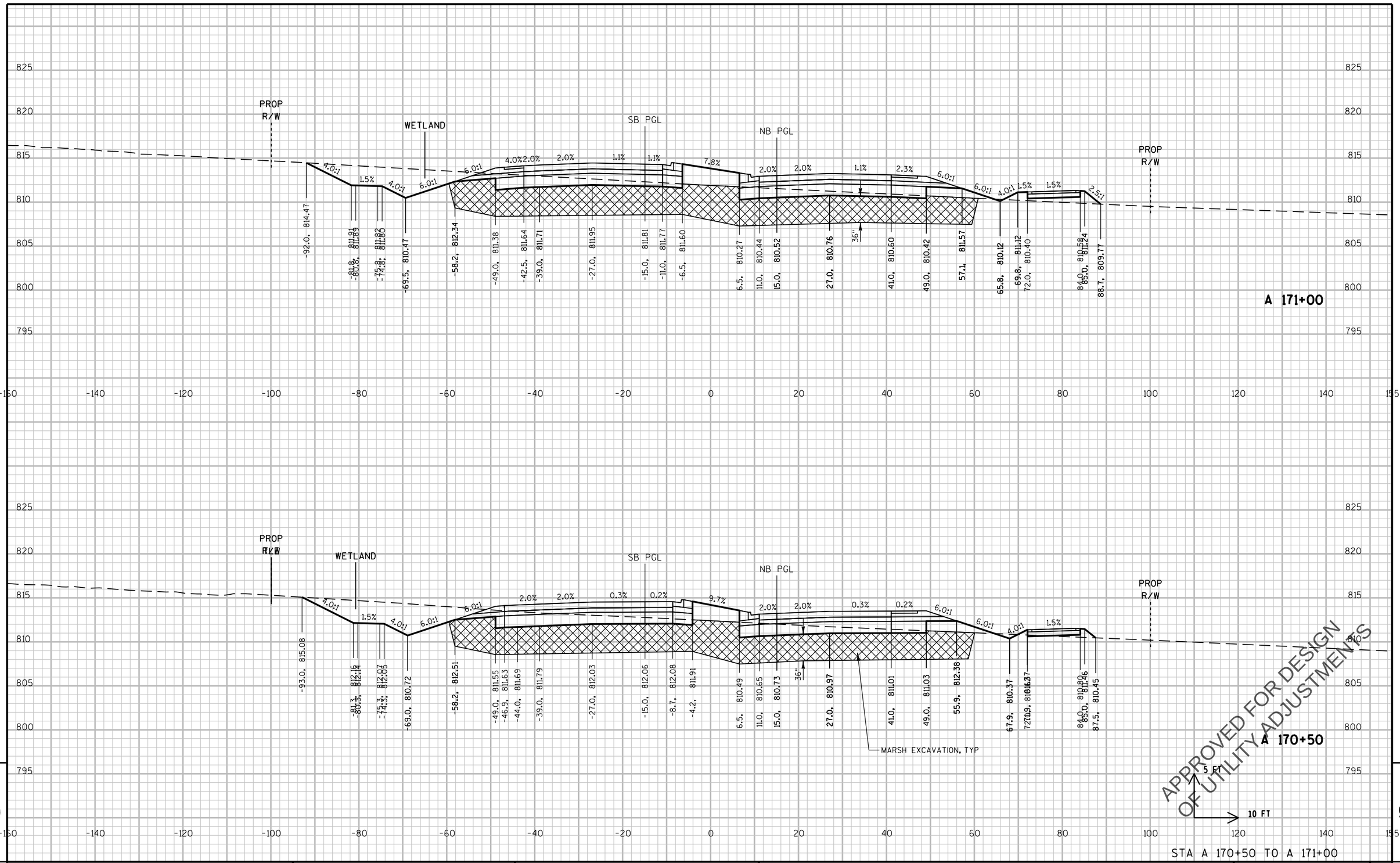
STA A 169+50 TO A 170+00

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: WAUKESHA BYPASS	SHEET E

PRE_435

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090201_XS_WB.dgn PLOT DATE : 4/11/2016 11:53:57 AM PLOT BY : lzidek PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

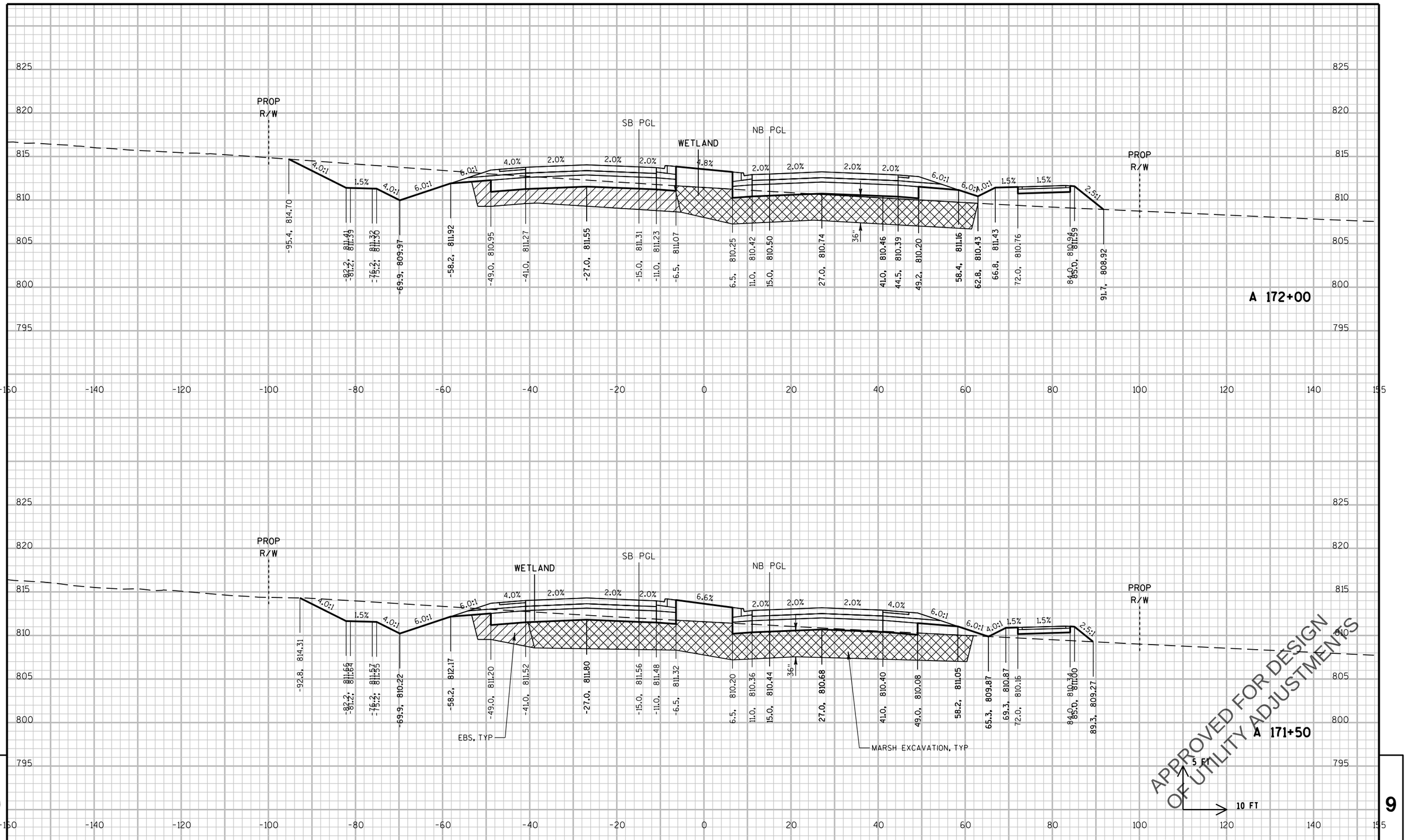


PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: WAUKESHA BYPASS	SHEET E

PRE_436

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090201_XS_WB.dgn PLOT DATE : 4/11/2016 11:53:58 AM PLOT BY : lzidek PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS

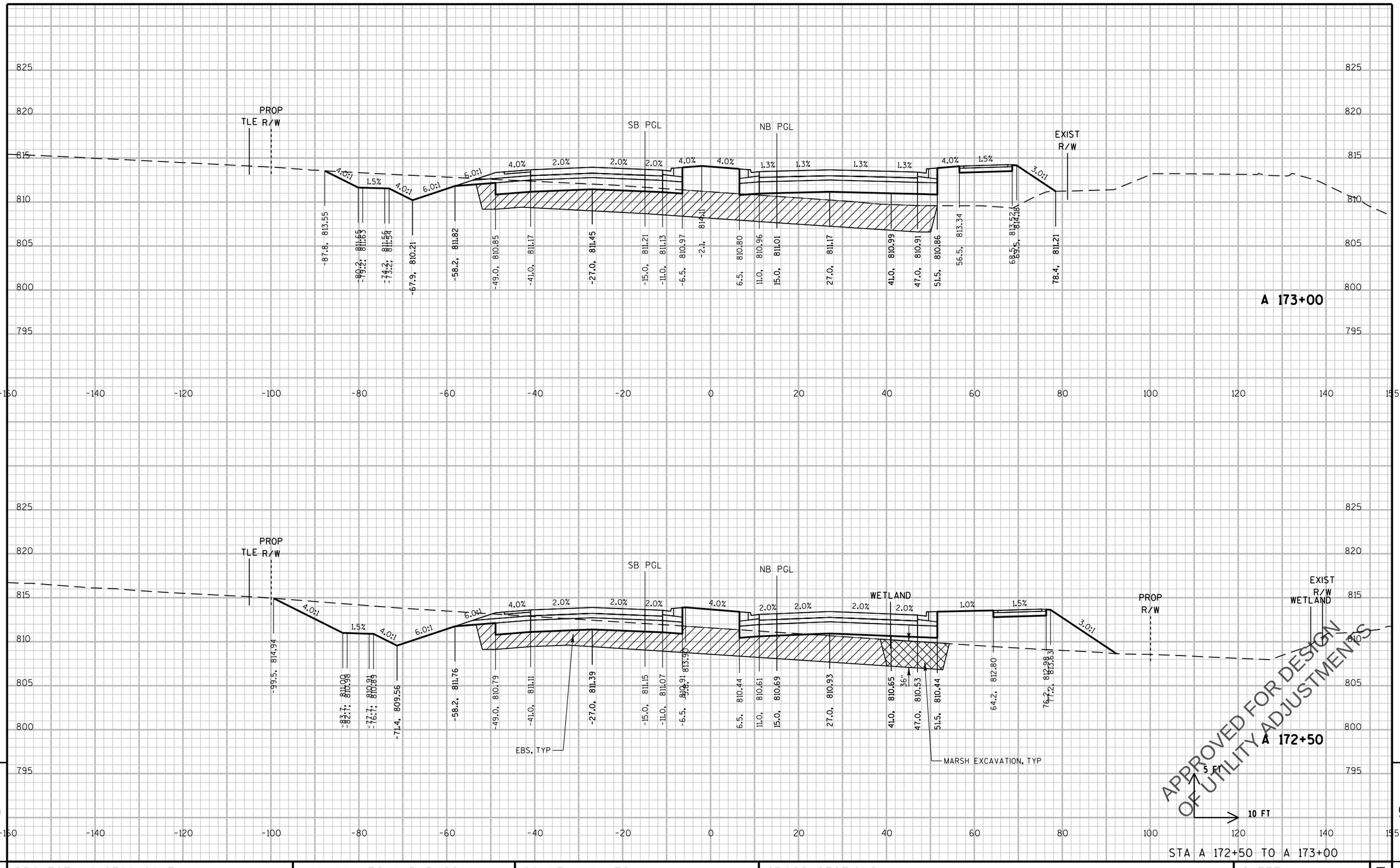
STA A 171+50 TO A 172+00

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: WAUKESHA BYPASS	SHEET E

PRE_437

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090201_XS_WB.dgn PLOT DATE : 4/11/2016 11:53:58 AM PLOT BY : lzidek PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

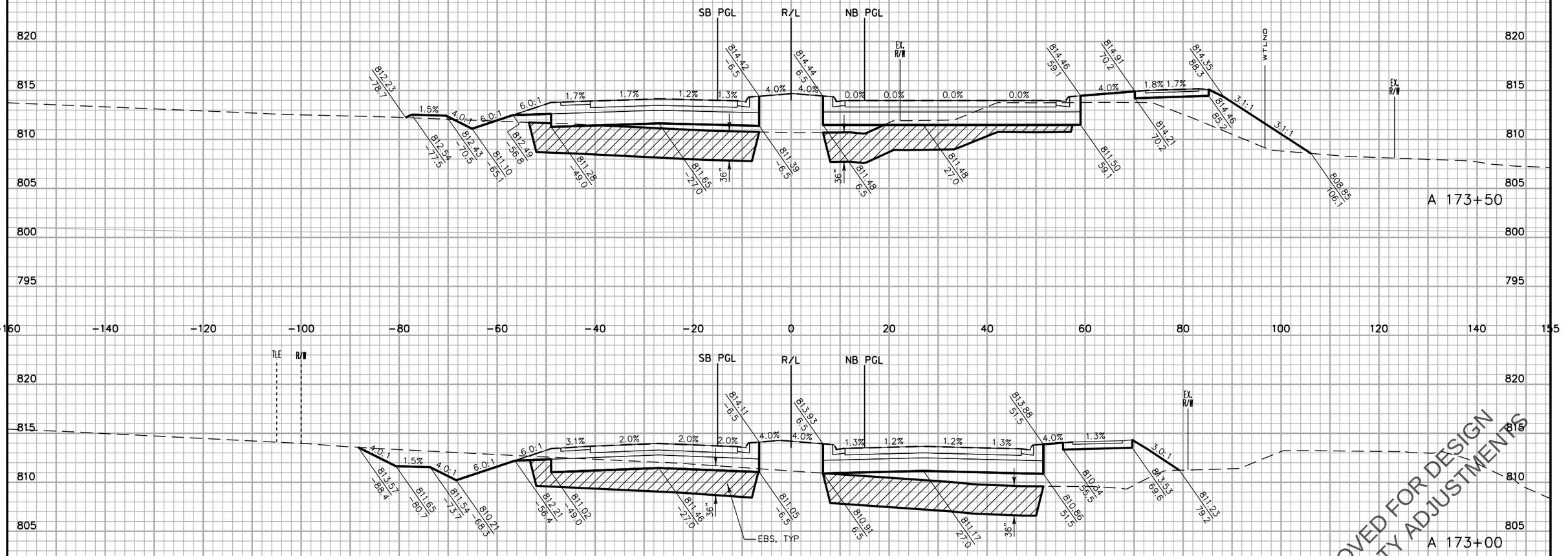


PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: WAUKESHA BYPASS	SHEET E

PRE_438

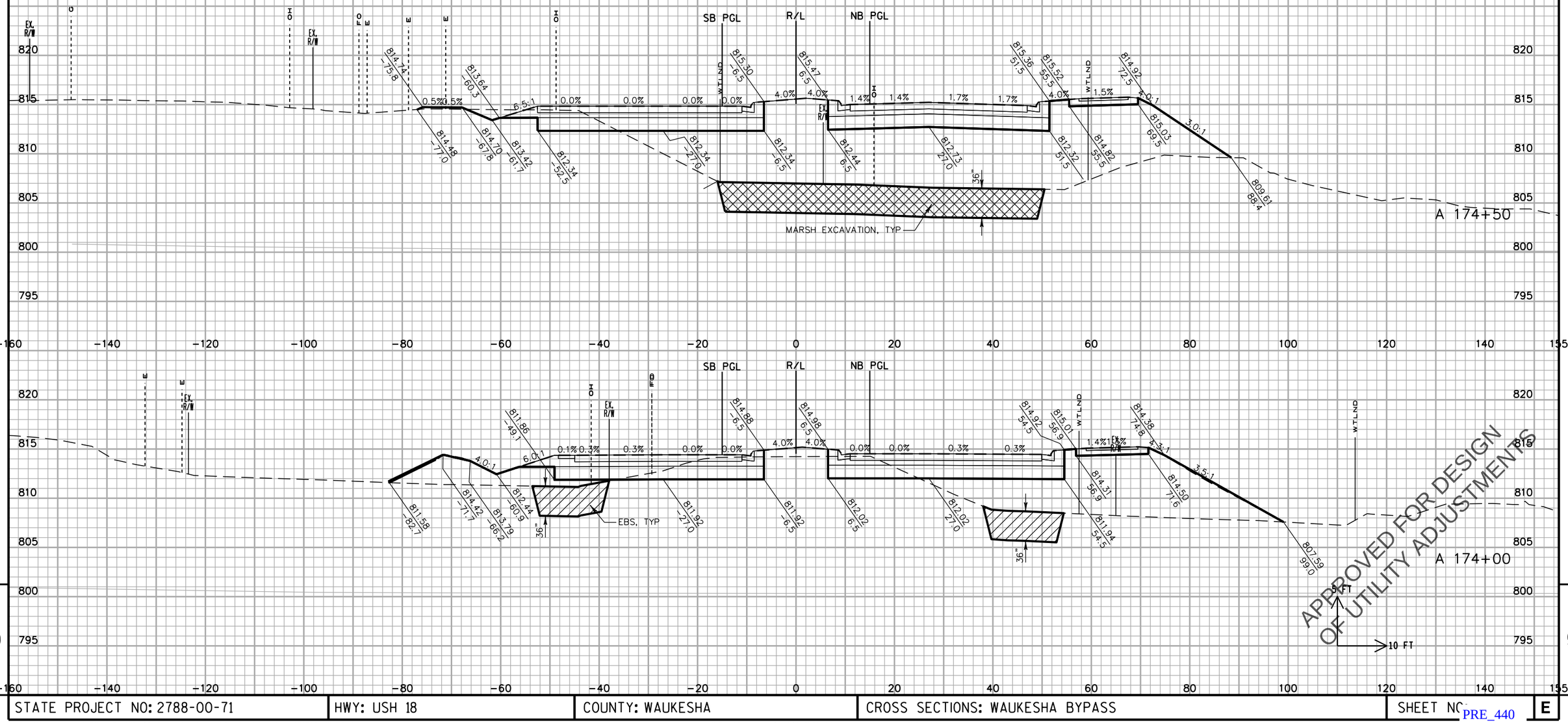
FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090201_XS_WB.dgn PLOT DATE : 4/11/2016 11:53:59 AM PLOT BY : lzidek PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



STATE PROJECT NO: 2788-00-71	HWY: USH 18	COUNTY: WAUKESHA	CROSS SECTIONS: WAUKESHA BYPASS	SHEET NO.	E

FILE NAME : F:\BM1-3324 USH 18 Bypass\5_Design\03_Roads\cds\by_090202_XS_WB.dgn PLOT DATE : 11-APR-2016 14:33 PLOT BY : torner PLOT NAME : PLOT SCALE : 20:1

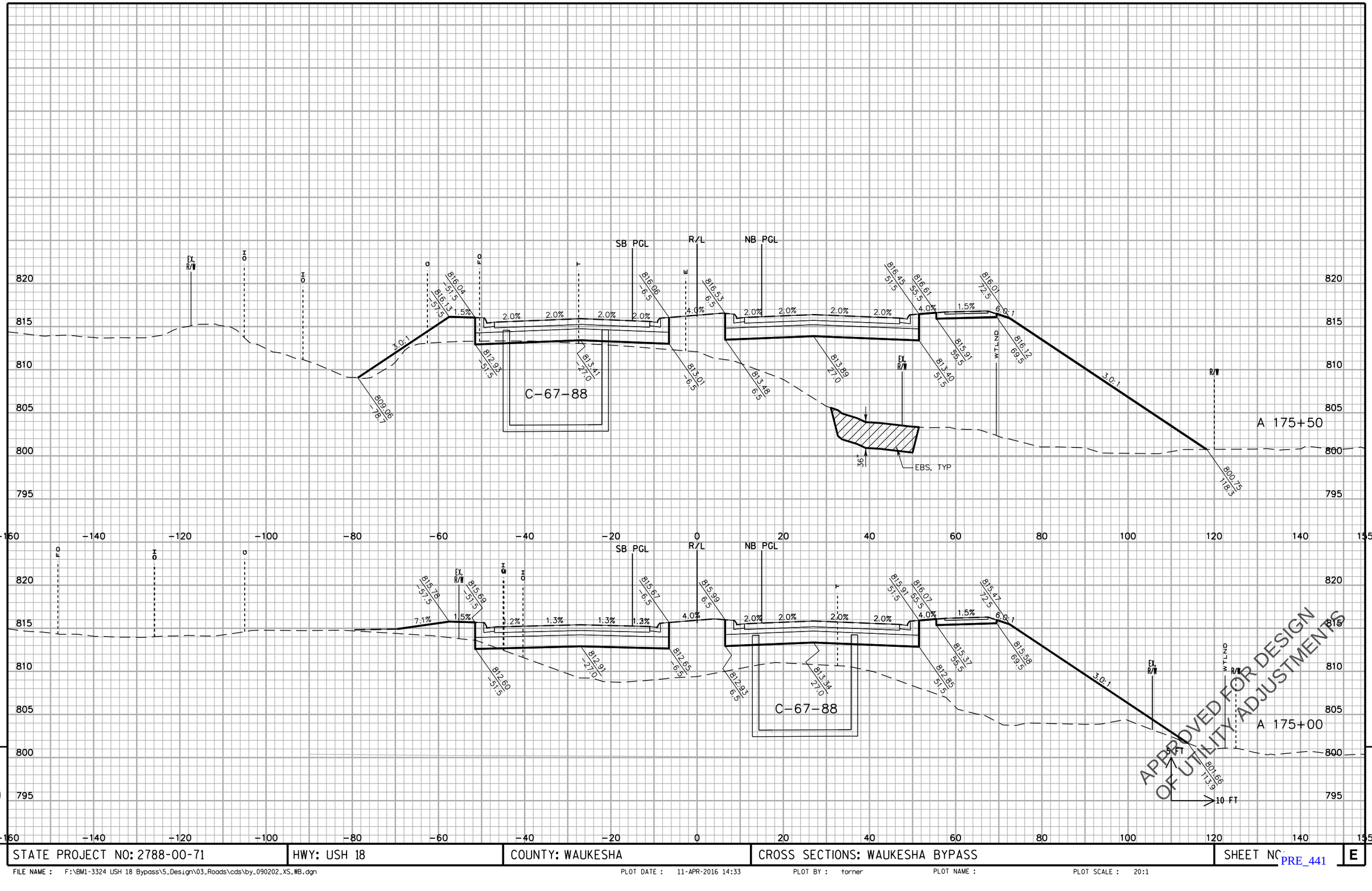


9

STATE PROJECT NO: 2788-00-71	HWY: USH 18	COUNTY: WAUKESHA	CROSS SECTIONS: WAUKESHA BYPASS	SHEET NO.	E

FILE NAME : F:\BM1-3324 USH 18 Bypass\5_Design\03_Roads\cds\by_090202_XS_WB.dgn PLOT DATE : 11-APR-2016 14:33 PLOT BY : torner PLOT NAME : PLOT SCALE : 20:1

PRE_440



APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS

STATE PROJECT NO: 2788-00-71	HWY: USH 18	COUNTY: WAUKESHA	CROSS SECTIONS: WAUKESHA BYPASS	SHEET NO. E

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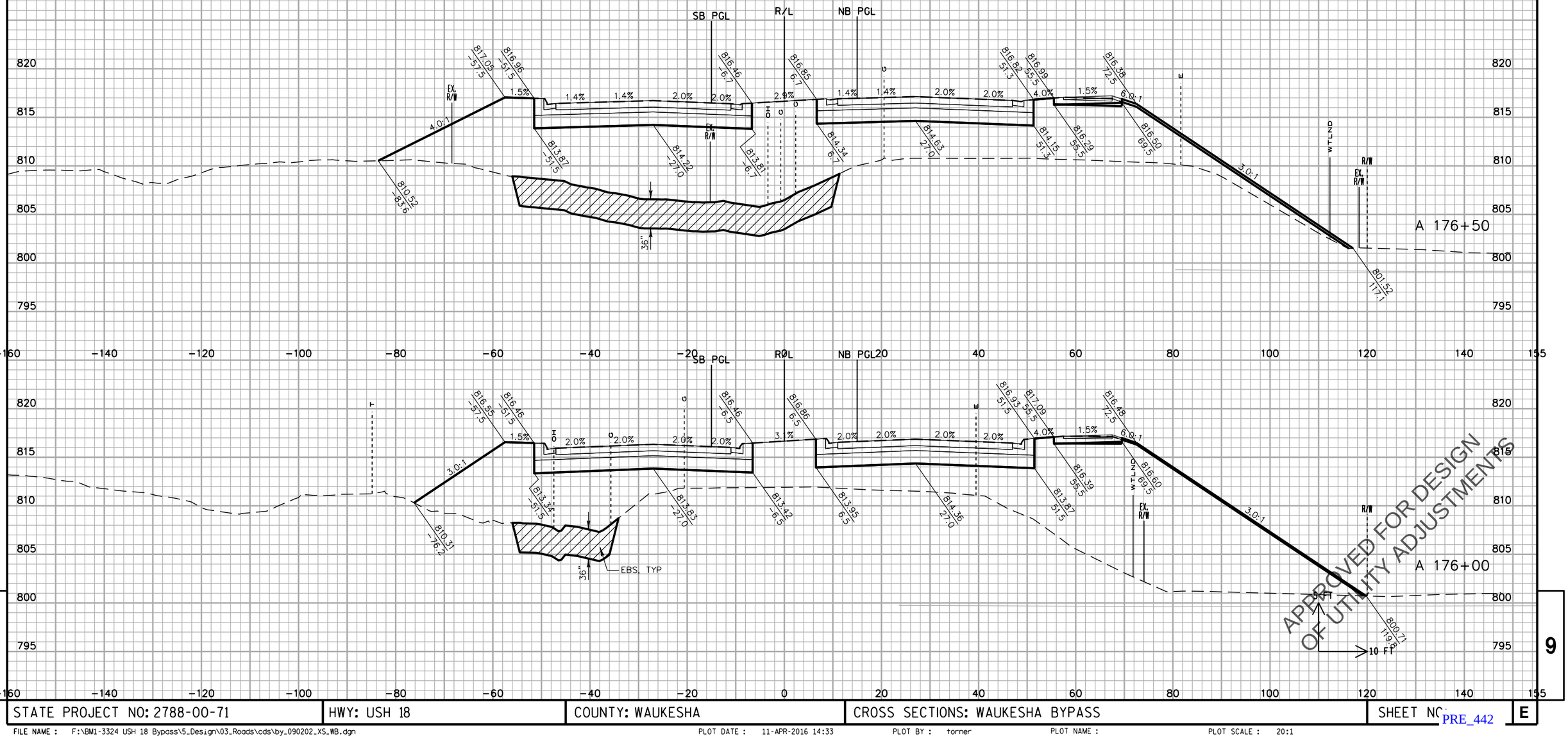
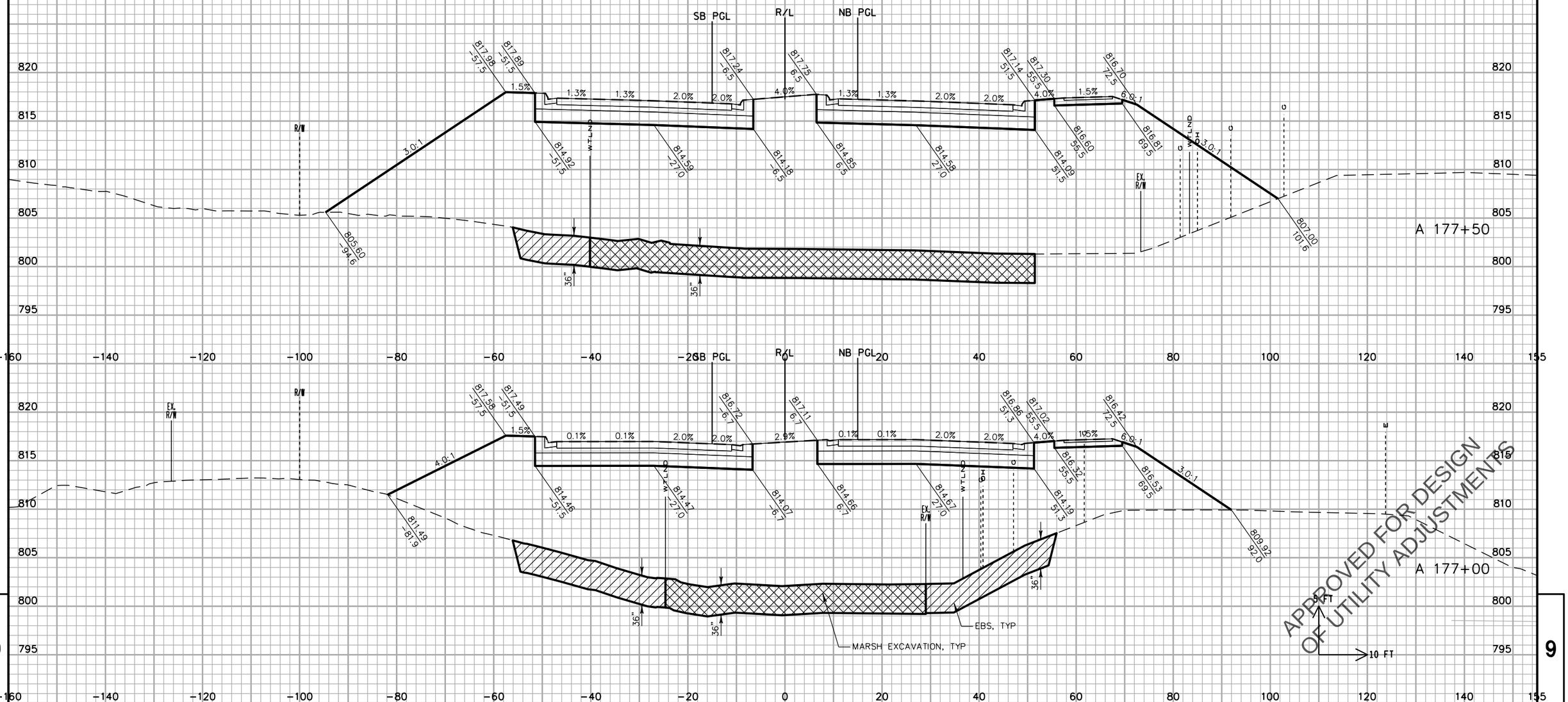
PRE_441



STATE PROJECT NO: 2788-00-71	HWY: USH 18	COUNTY: WAUKESHA	CROSS SECTIONS: WAUKESHA BYPASS	SHEET NO	E

FILE NAME : F:\BM1-3324 USH 18 Bypass\5_Design\03_Roads\cds\by_090202_XS_WB.dgn PLOT DATE : 11-APR-2016 14:33 PLOT BY : torner PLOT NAME : PLOT SCALE : 20:1

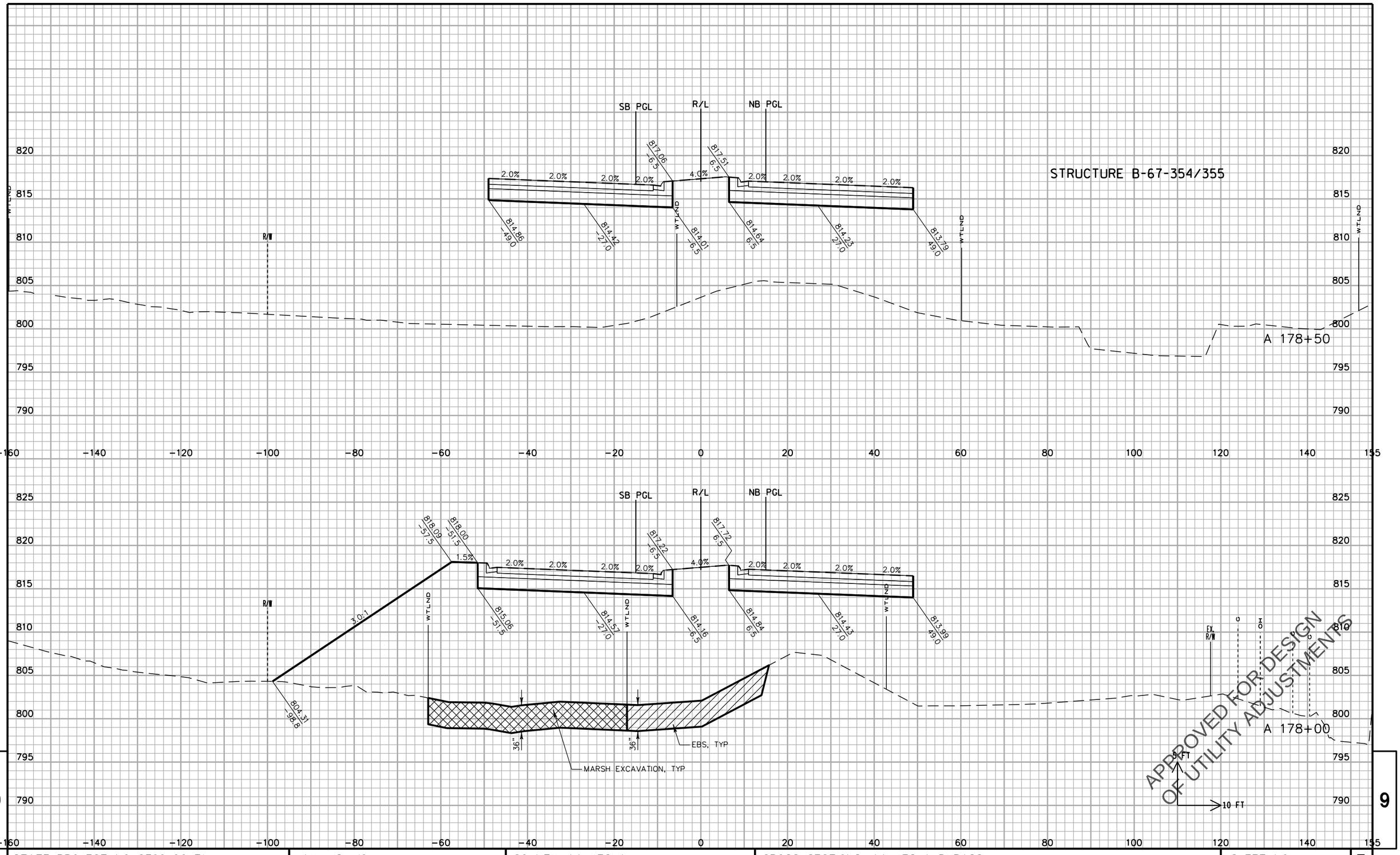
PRE_442



STATE PROJECT NO: 2788-00-71	HWY: USH 18	COUNTY: WAUKESHA	CROSS SECTIONS: WAUKESHA BYPASS	SHEET NO	E

FILE NAME : F:\BM1-3324 USH 18 Bypass\5_Design\03_Roads\cds\by_090202_XS_WB.dgn PLOT DATE : 11-APR-2016 14:33 PLOT BY : torner PLOT NAME : PLOT SCALE : 20:1

PRE_443



APPROVED FOR DESIGN
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9

STATE PROJECT NO: 2788-00-71	HWY: USH 18	COUNTY: WAUKESHA	CROSS SECTIONS: WAUKESHA BYPASS	SHEET NO	E

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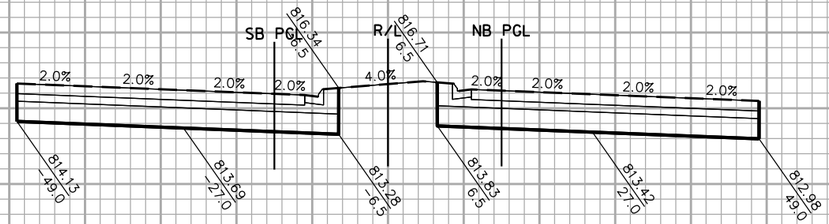
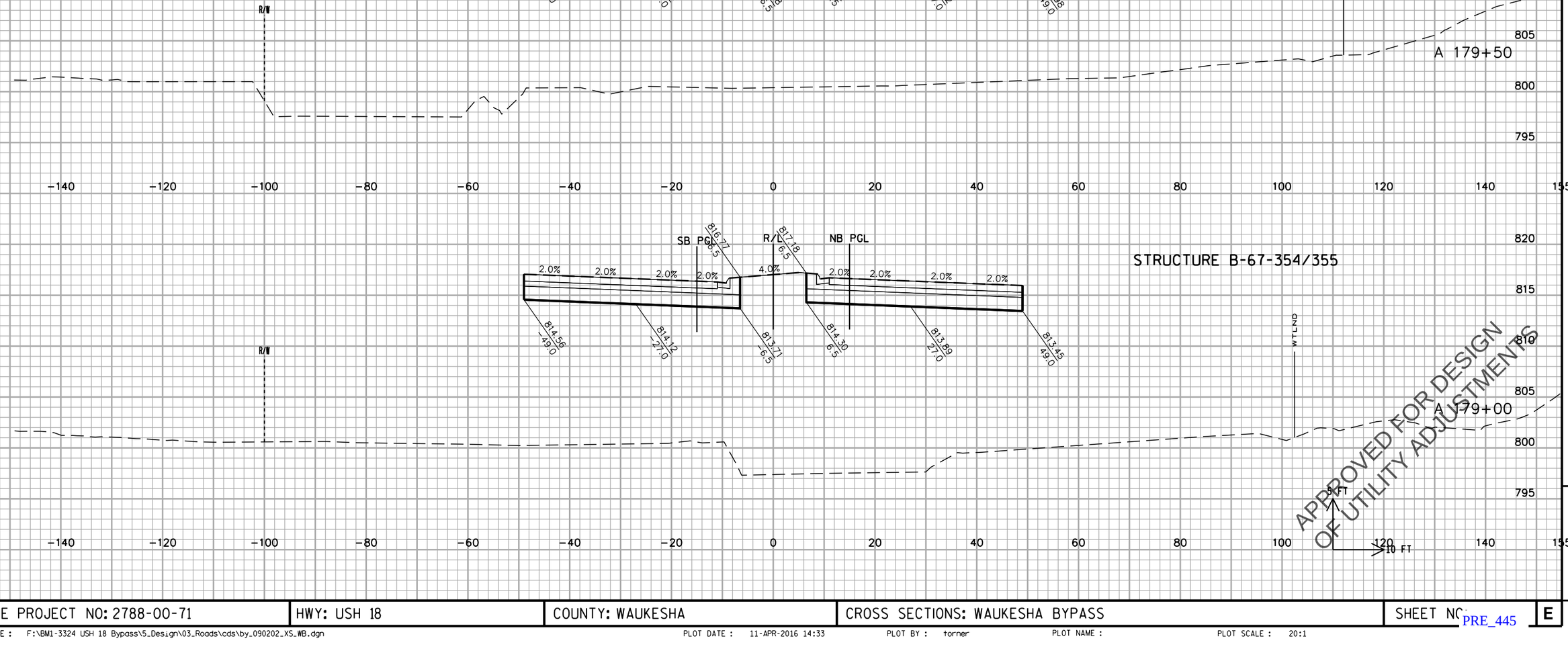
PRE_444

STRUCTURE B-67-354/355





STRUCTURE B-67-354/355

APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS

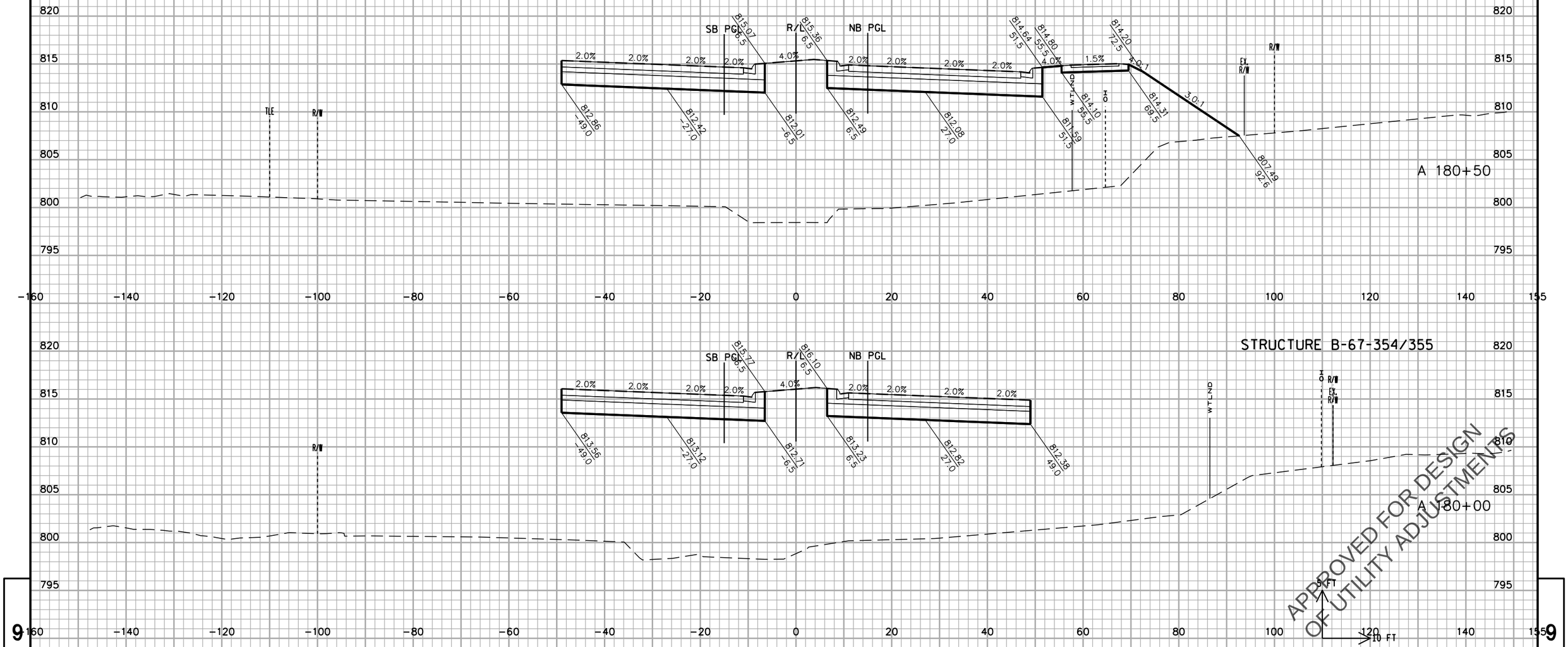
9

STATE PROJECT NO: 2788-00-71	HWY: USH 18	COUNTY: WAUKESHA	CROSS SECTIONS: WAUKESHA BYPASS	SHEET NO.	E

FILE NAME : F:\BM1-3324 USH 18 Bypass\5_Design\03_Roads\cds\by_090202_XS_WB.dgn PLOT DATE : 11-APR-2016 14:33 PLOT BY : torner PLOT NAME : PLOT SCALE : 20:1

PRE_445

BEGIN MARSH EXCAVATION
STA A 180+60



APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS

STATE PROJECT NO: 2788-00-71	HWY: USH 18	COUNTY: WAUKESHA	CROSS SECTIONS: WAUKESHA BYPASS	SHEET NO.	E

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PRE_446

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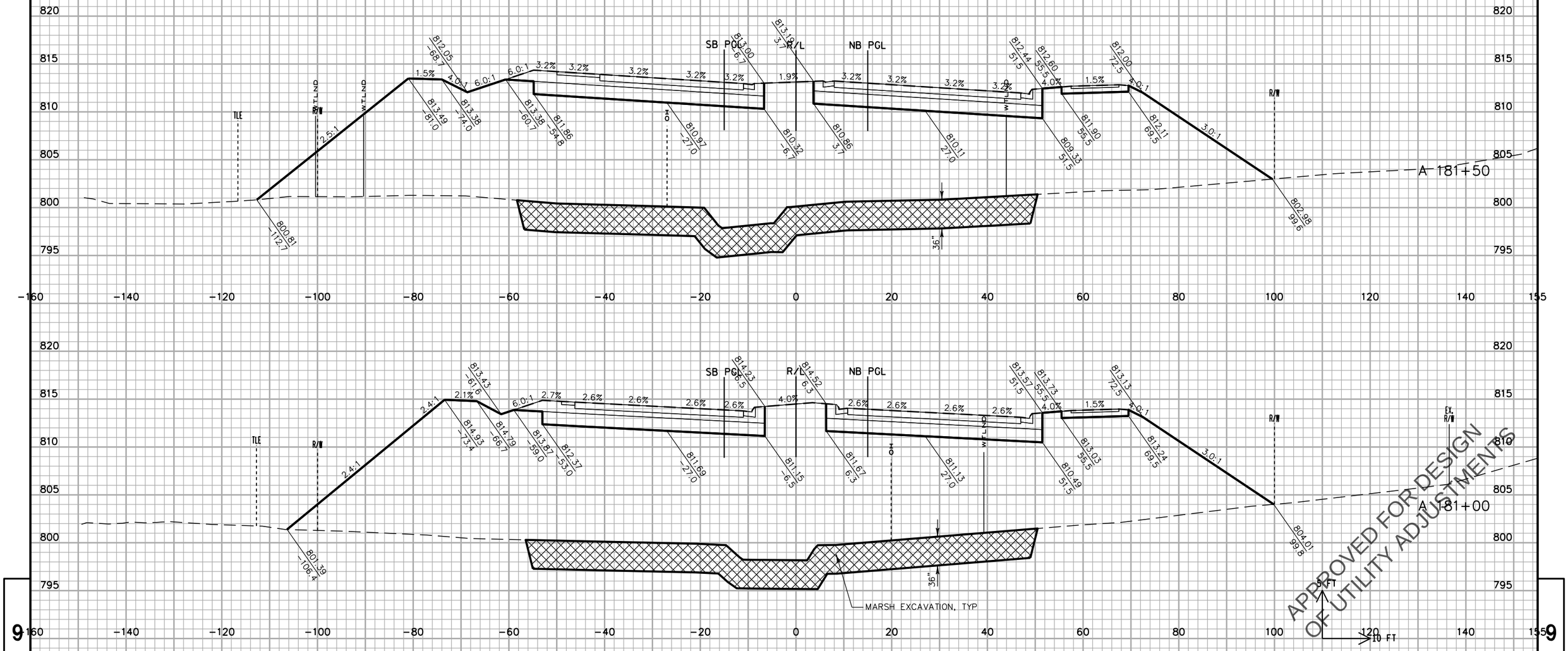

STATE PROJECT NO: 2788-00-71	HWY: USH 18	COUNTY: WAUKESHA	CROSS SECTIONS: WAUKESHA BYPASS	SHEET NO.	E

FILE NAME : F:\BM1-3324 USH 18 Bypass\5_Design\03_Roads\cds\by_090202_XS_WB.dgn PLOT DATE : 11-APR-2016 14:33 PLOT BY : torner PLOT NAME : PLOT SCALE : 20:1

PRE_447

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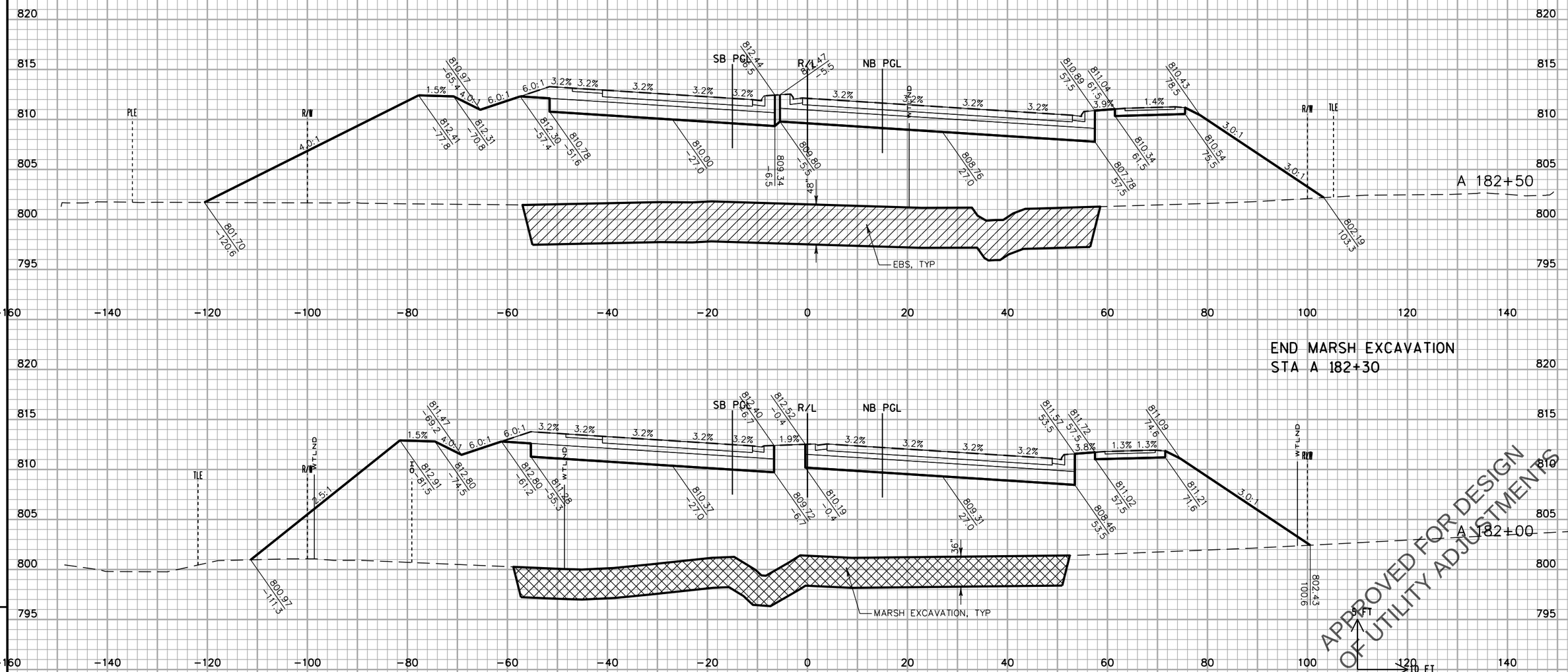
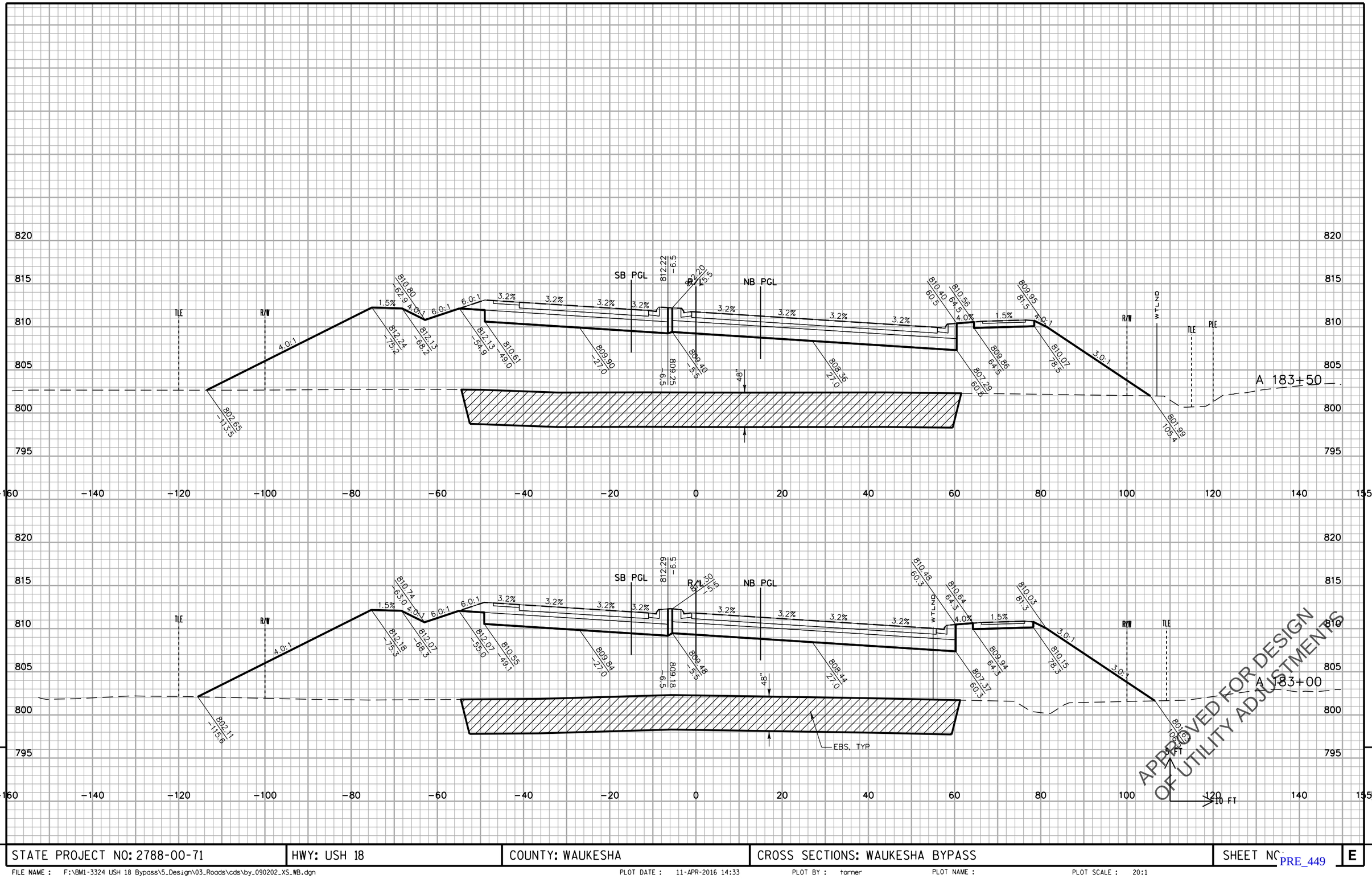


STATE PROJECT NO: 2788-00-71	HWY: USH 18	COUNTY: WAUKESHA	CROSS SECTIONS: WAUKESHA BYPASS	SHEET NO	E

FILE NAME : F:\BM1-3324 USH 18 Bypass\5_Design\03_Roads\cds\by_090202_XS_WB.dgn PLOT DATE : 11-APR-2016 14:33 PLOT BY : torner PLOT NAME : PLOT SCALE : 20:1

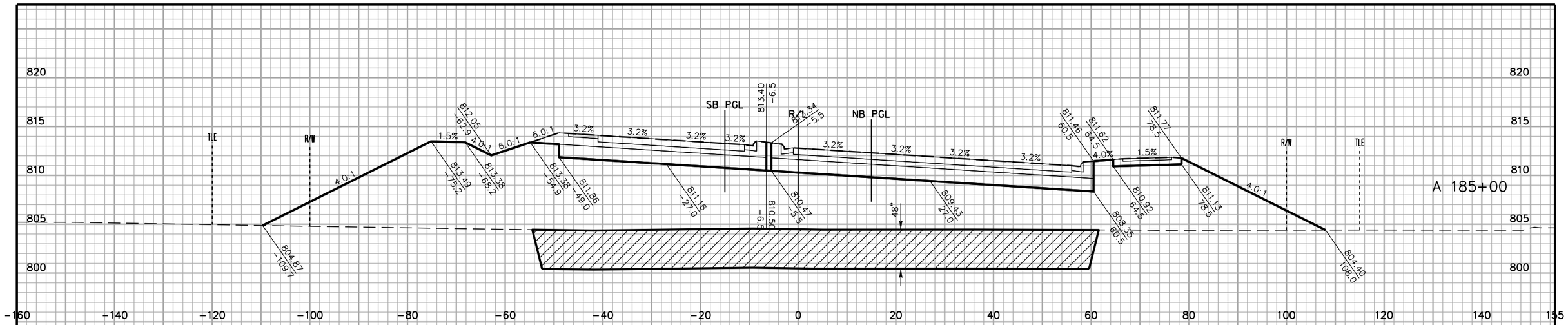
PRE_448



STATE PROJECT NO: 2788-00-71	HWY: USH 18	COUNTY: WAUKESHA	CROSS SECTIONS: WAUKESHA BYPASS	SHEET NO.	E

FILE NAME : F:\BM1-3324 USH 18 Bypass\5_Design\03_Roads\cds\by_090202_XS_WB.dgn PLOT DATE : 11-APR-2016 14:33 PLOT BY : torner PLOT NAME : PLOT SCALE : 20:1

PRE_449



APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS

STATE PROJECT NO: 2788-00-71	HWY: USH 18	COUNTY: WAUKESHA	CROSS SECTIONS: WAUKESHA BYPASS	SHEET NO.	E

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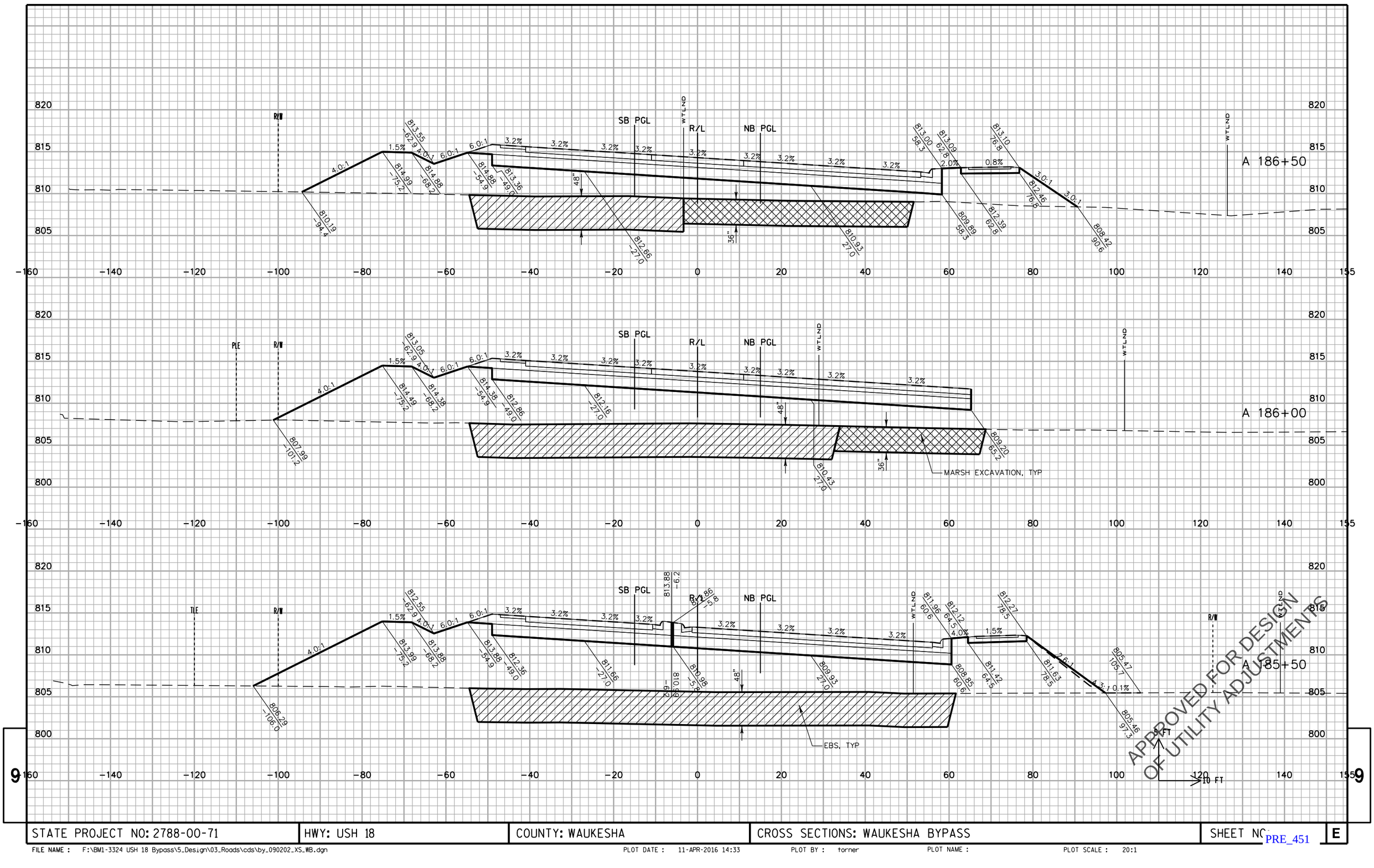
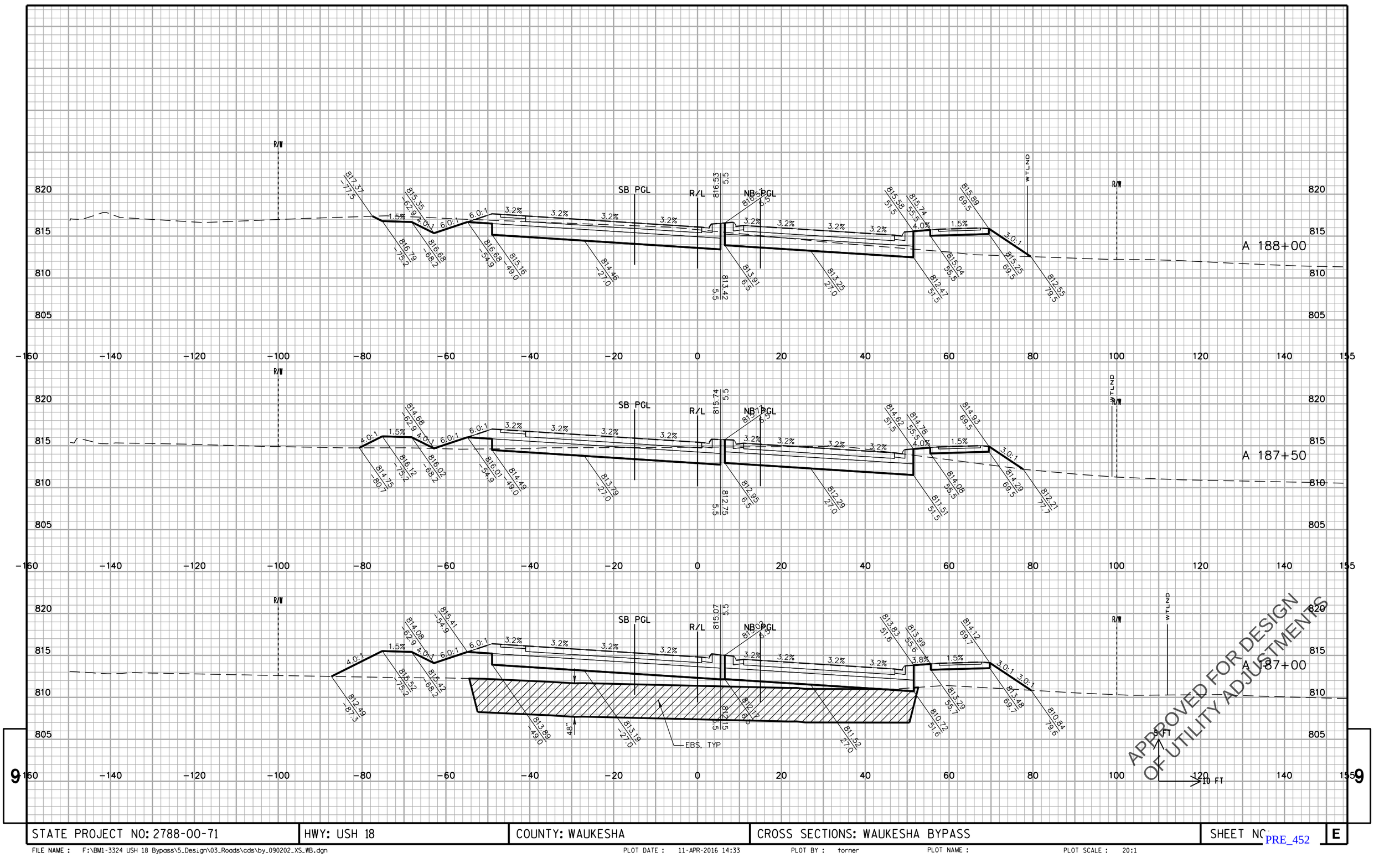
FILE NAME : F:\BM1-3324 USH 18 Bypass\5_Design\03_Roads\cds\by_090202_XS_WB.dgn PLOT DATE : 11-APR-2016 14:33 PLOT BY : torner PLOT NAME : PLOT SCALE : 20:1

PRE_450



STATE PROJECT NO: 2788-00-71	HWY: USH 18	COUNTY: WAUKESHA	CROSS SECTIONS: WAUKESHA BYPASS	SHEET NO	E

FILE NAME : F:\BM1-3324 USH 18 Bypass\5_Design\03_Roads\cds\by_090202_XS_WB.dgn PLOT DATE : 11-APR-2016 14:33 PLOT BY : torner PLOT NAME : PLOT SCALE : 20:1



STATE PROJECT NO: 2788-00-71	HWY: USH 18	COUNTY: WAUKESHA	CROSS SECTIONS: WAUKESHA BYPASS	SHEET NO.	E

FILE NAME : F:\BM1-3324 USH 18 Bypass\5_Design\03_Roads\cds\by_090202_XS_WB.dgn PLOT DATE : 11-APR-2016 14:33 PLOT BY : torner PLOT NAME : PLOT SCALE : 20:1

PRE_452

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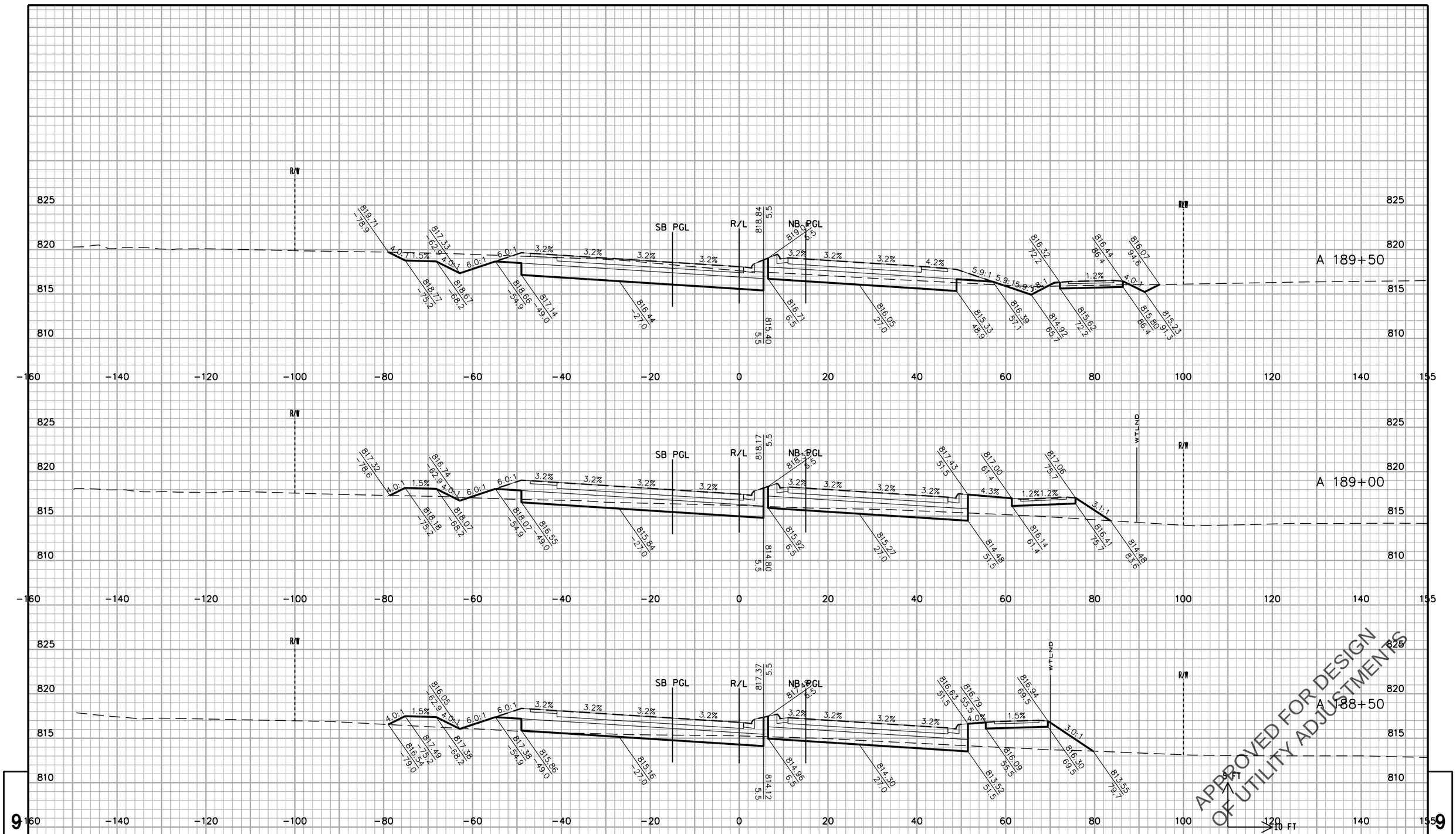

STATE PROJECT NO: 2788-00-71	HWY: USH 18	COUNTY: WAUKESHA	CROSS SECTIONS: WAUKESHA BYPASS	SHEET NO.	E

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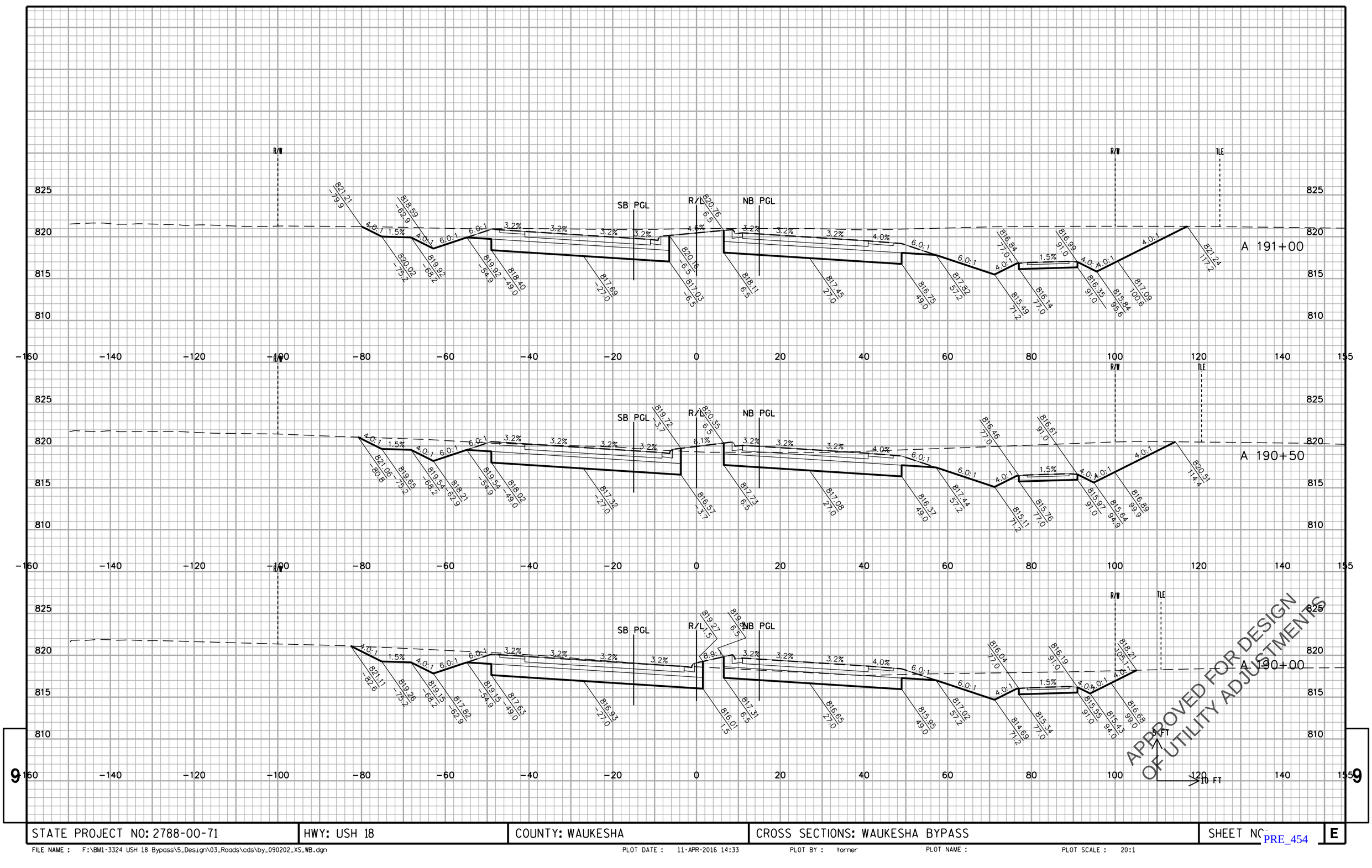
PRE_453



APPROVED FOR DESIGN OF UTILITY ADJUSTMENTS

STATE PROJECT NO: 2788-00-71	HWY: USH 18	COUNTY: WAUKESHA	CROSS SECTIONS: WAUKESHA BYPASS	SHEET NO.	E

FILE NAME : F:\BM1-3324 USH 18 Bypass\5_Design\03_Roads\cds\by_090202_XS_WB.dgn PLOT DATE : 11-APR-2016 14:33 PLOT BY : torner PLOT NAME : PLOT SCALE : 20:1

PRE_454

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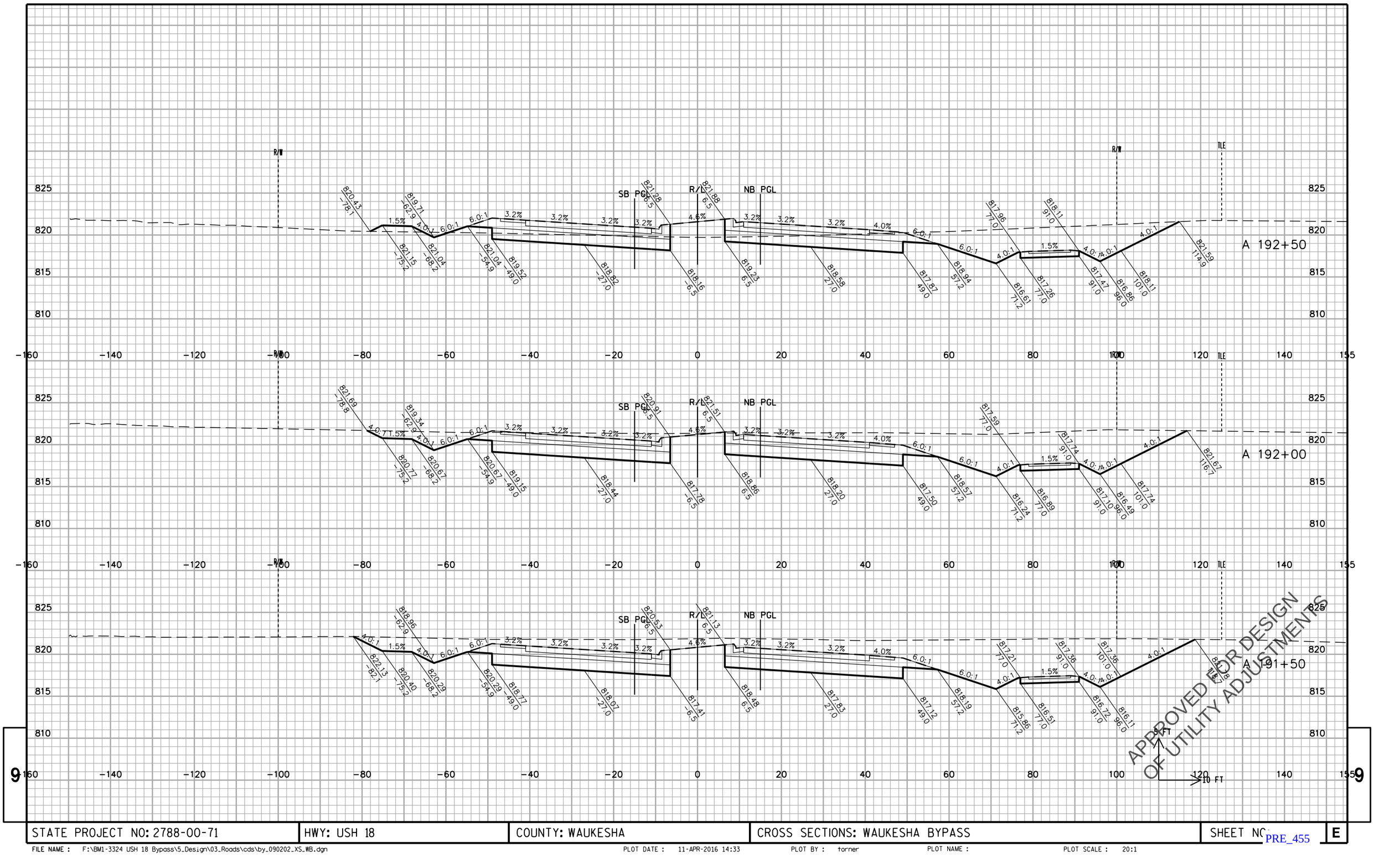

APPROVED FOR DESIGN OF UTILITY ADJUSTMENTS

STATE PROJECT NO: 2788-00-71	HWY: USH 18	COUNTY: WAUKESHA	CROSS SECTIONS: WAUKESHA BYPASS	SHEET NO.	E

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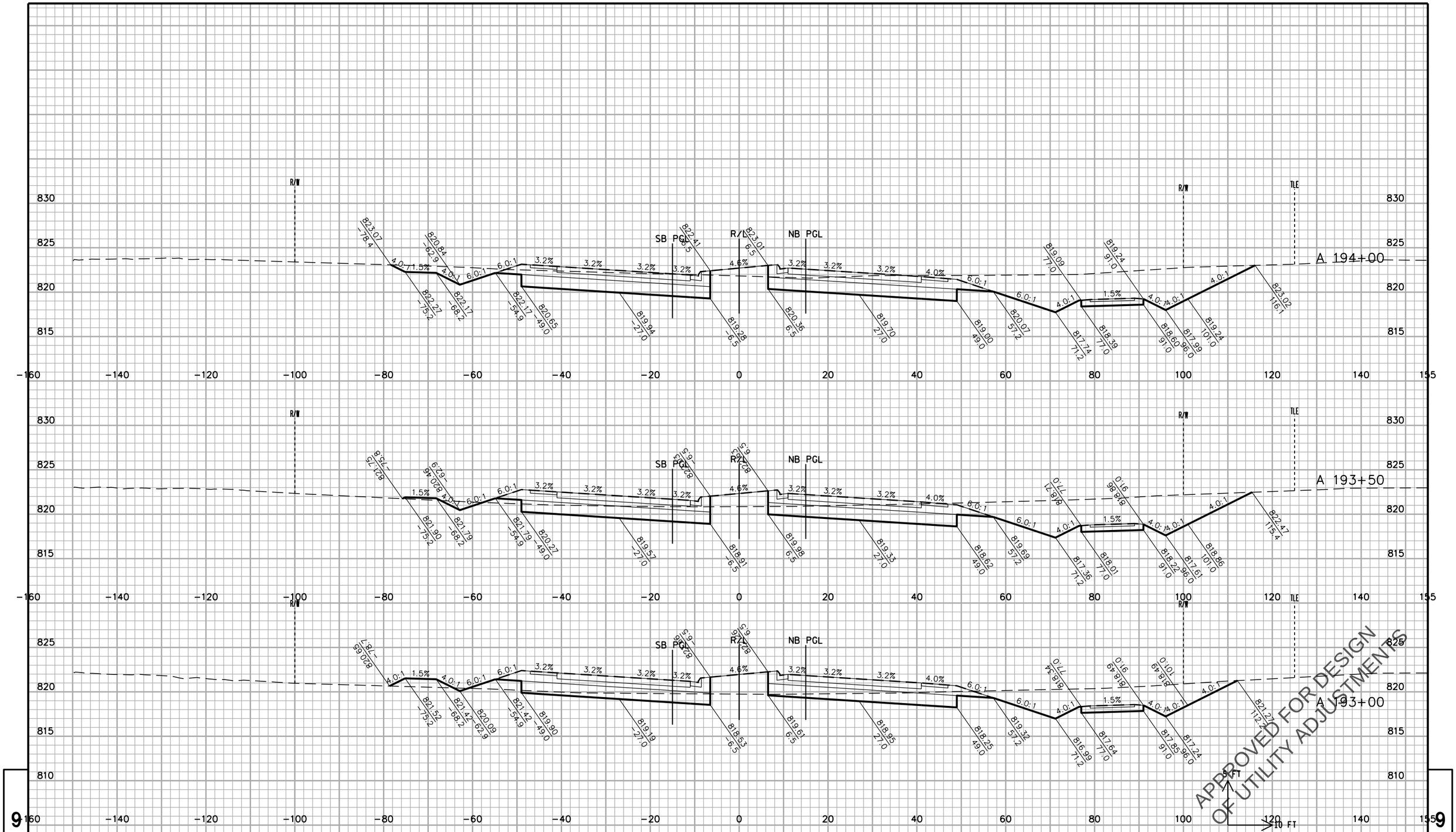
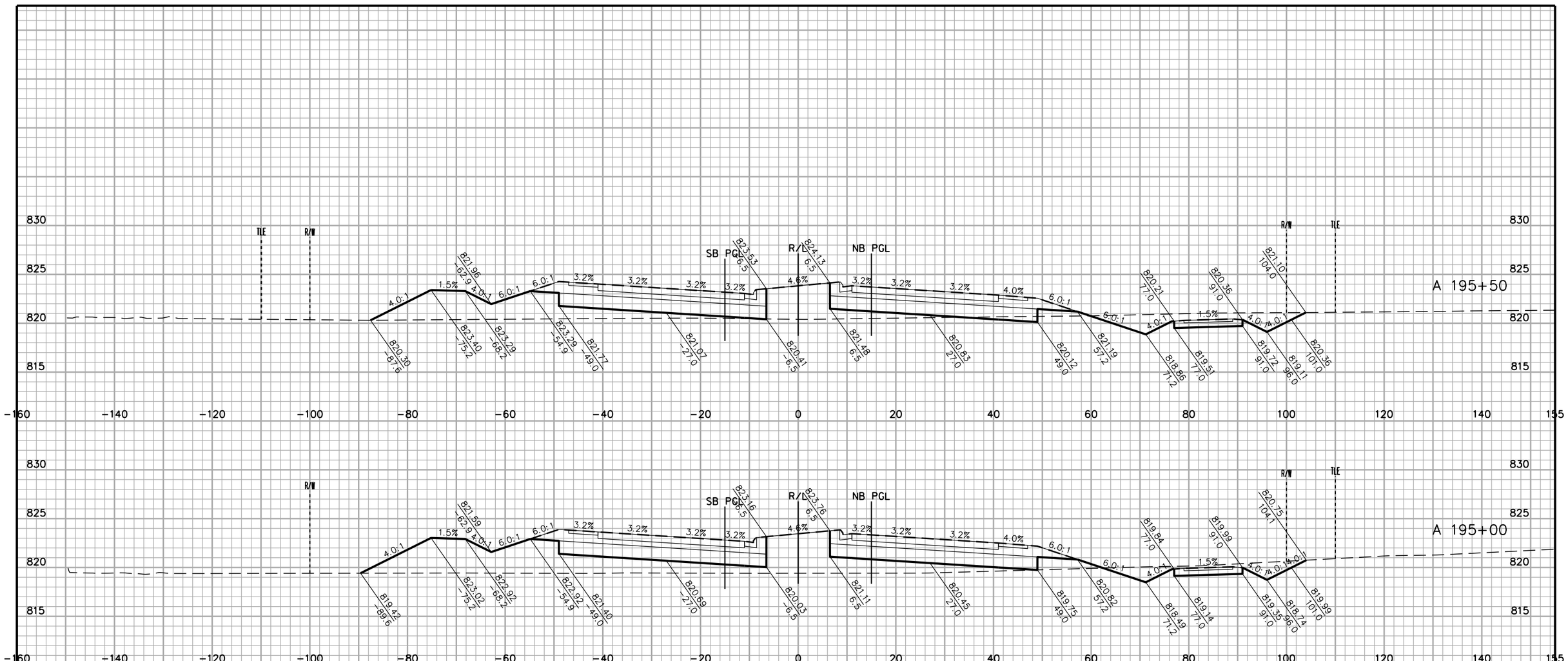
PRE_455



STATE PROJECT NO: 2788-00-71	HWY: USH 18	COUNTY: WAUKESHA	CROSS SECTIONS: WAUKESHA BYPASS	SHEET NO.	E

FILE NAME : F:\BM1-3324 USH 18 Bypass\5_Design\03_Roads\cds\by_090202_XS_WB.dgn PLOT DATE : 11-APR-2016 14:33 PLOT BY : torner PLOT NAME : PLOT SCALE : 20:1

PRE_456



APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS

STATE PROJECT NO: 2788-00-71	HWY: USH 18	COUNTY: WAUKESHA	CROSS SECTIONS: WAUKESHA BYPASS	SHEET NO	E

FILE NAME : F:\BM1-3324 USH 18 Bypass\5_Design\03_Roads\cds\by_090202_XS_WB.dgn PLOT DATE : 11-APR-2016 14:33 PLOT BY : torner PLOT NAME : PLOT SCALE : 20:1

PRE_457

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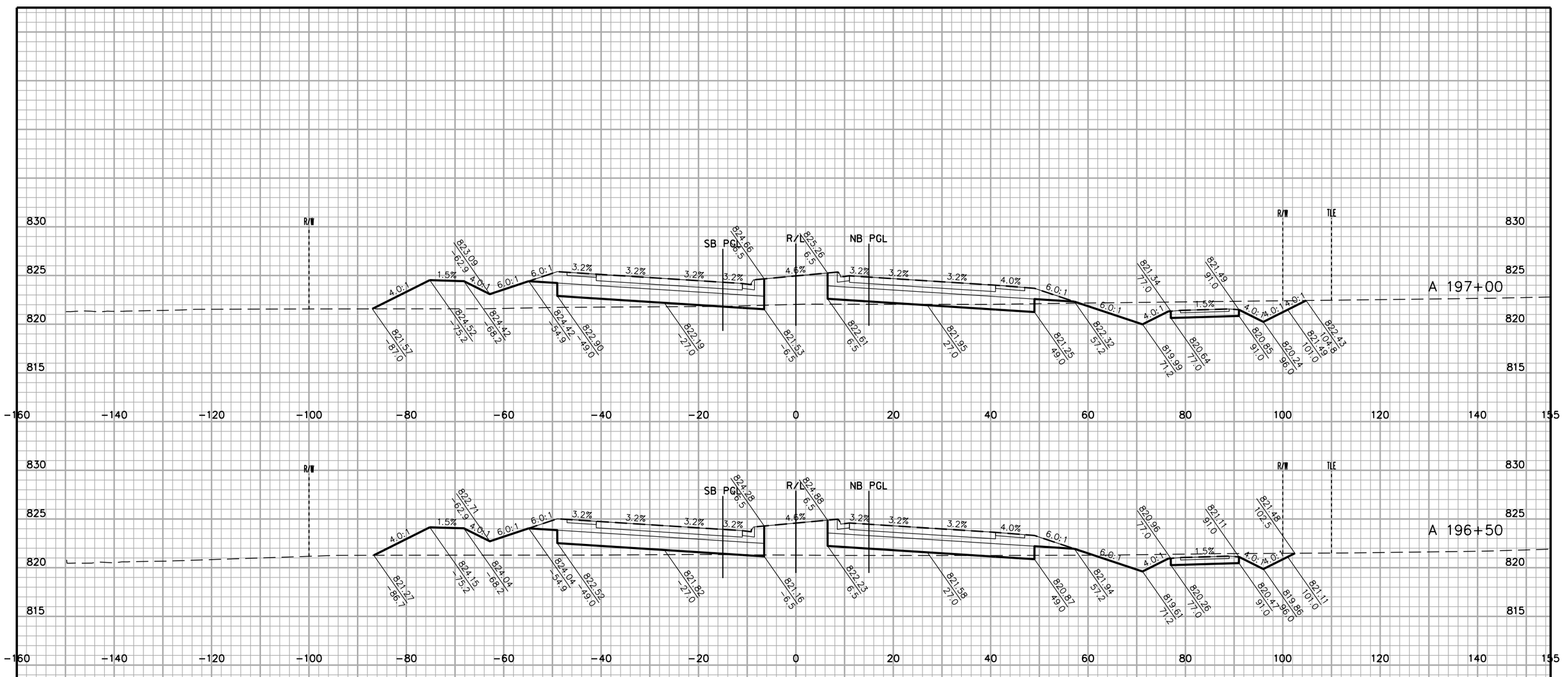
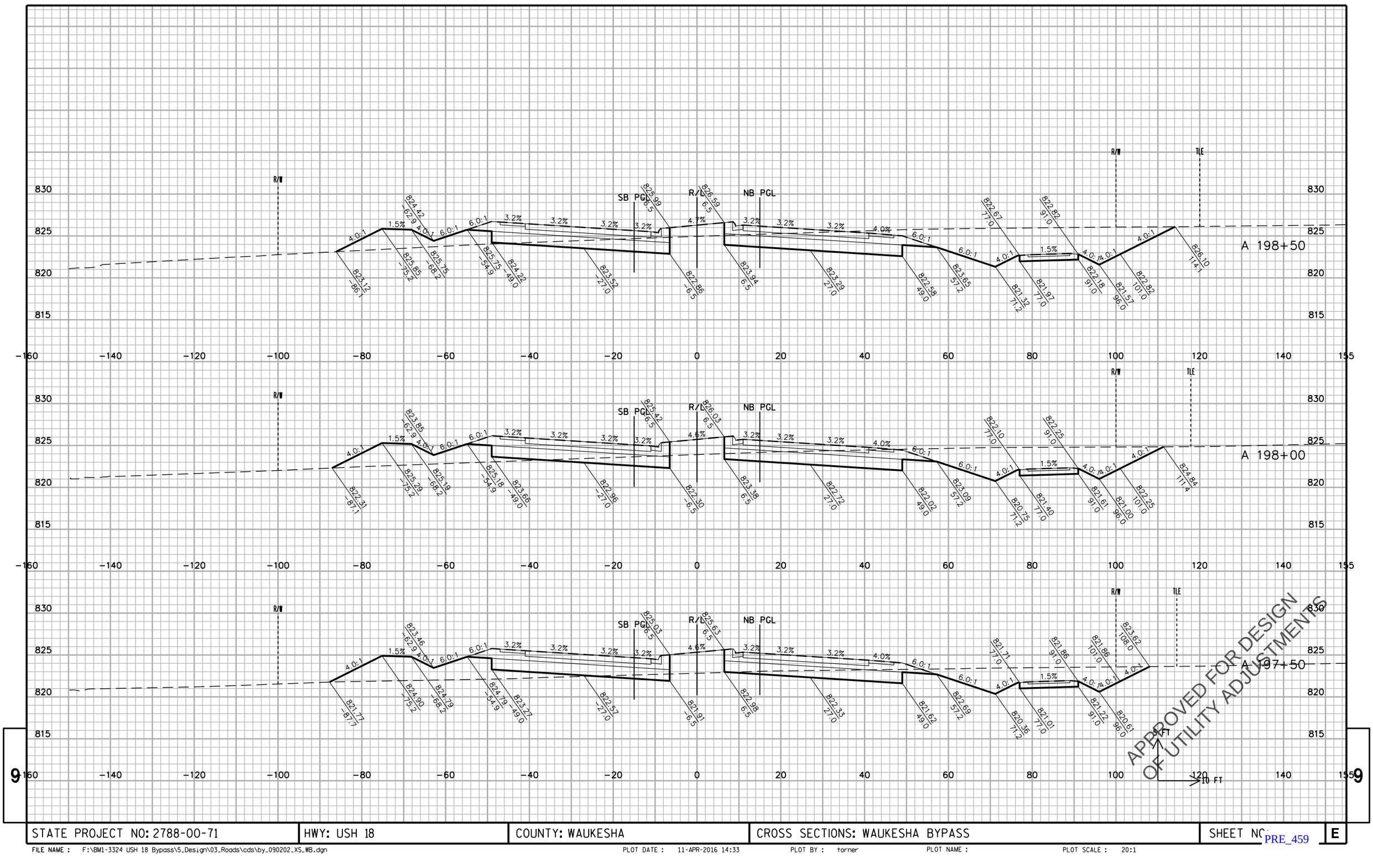


APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS

PRE_458

STATE PROJECT NO: 2788-00-71	HWY: USH 18	COUNTY: WAUKESHA	CROSS SECTIONS: WAUKESHA BYPASS	SHEET NO.	E

FILE NAME : F:\BM1-3324 USH 18 Bypass\5_Design\03_Roads\cds\by_090202_XS_WB.dgn PLOT DATE : 11-APR-2016 14:33 PLOT BY : torner PLOT NAME : PLOT SCALE : 20:1



APPROVED FOR DESIGN
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STATE PROJECT NO: 2788-00-71	HWY: USH 18	COUNTY: WAUKESHA	CROSS SECTIONS: WAUKESHA BYPASS	SHEET NO.	E

FILE NAME : F:\BM1-3324 USH 18 Bypass\5_Design\03_Roads\cds\by_090202_XS_WB.dgn PLOT DATE : 11-APR-2016 14:33 PLOT BY : torner PLOT NAME : PLOT SCALE : 20:1

PRE_459

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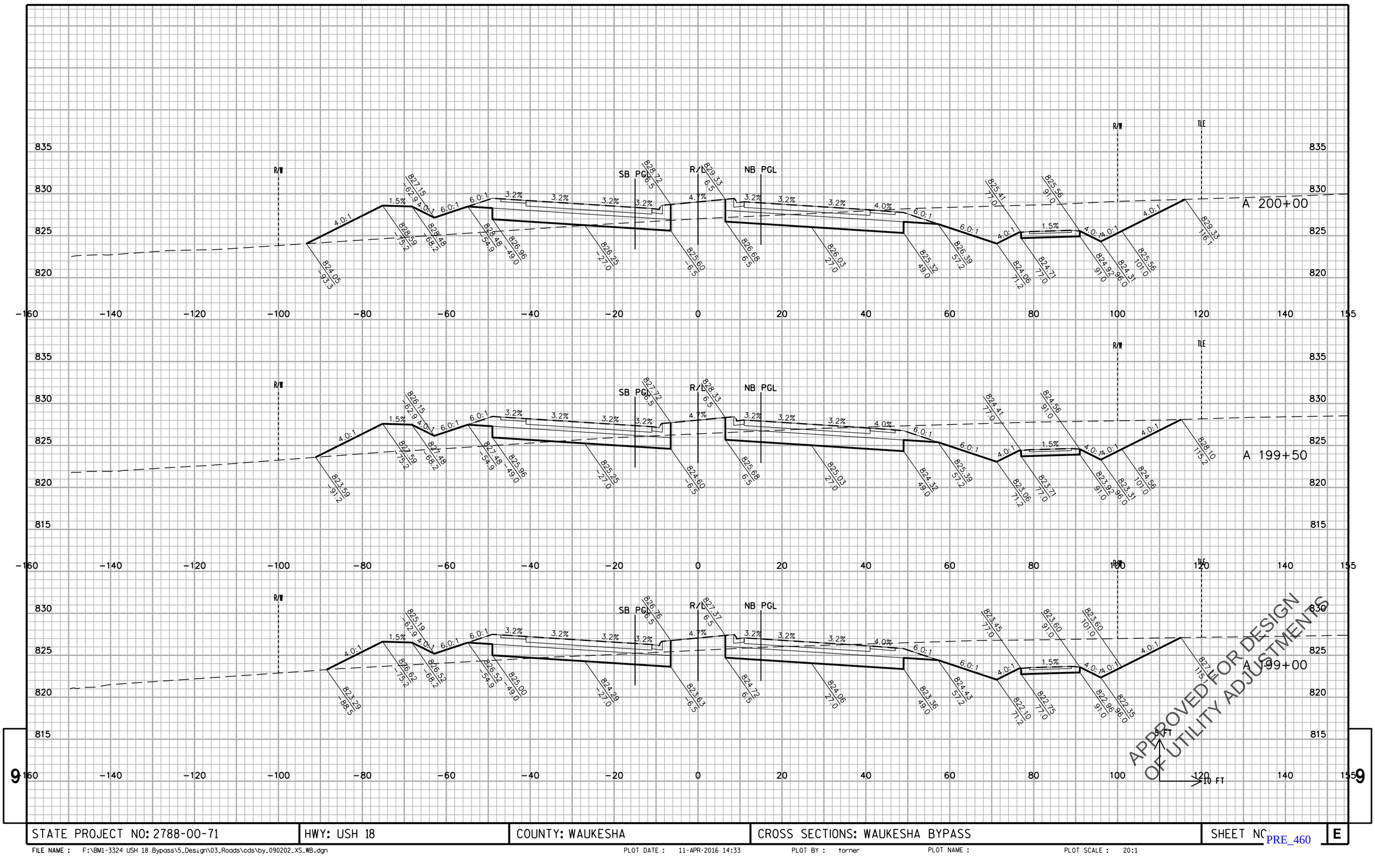

STATE PROJECT NO: 2788-00-71	HWY: USH 18	COUNTY: WAUKESHA	CROSS SECTIONS: WAUKESHA BYPASS	SHEET NO.	E

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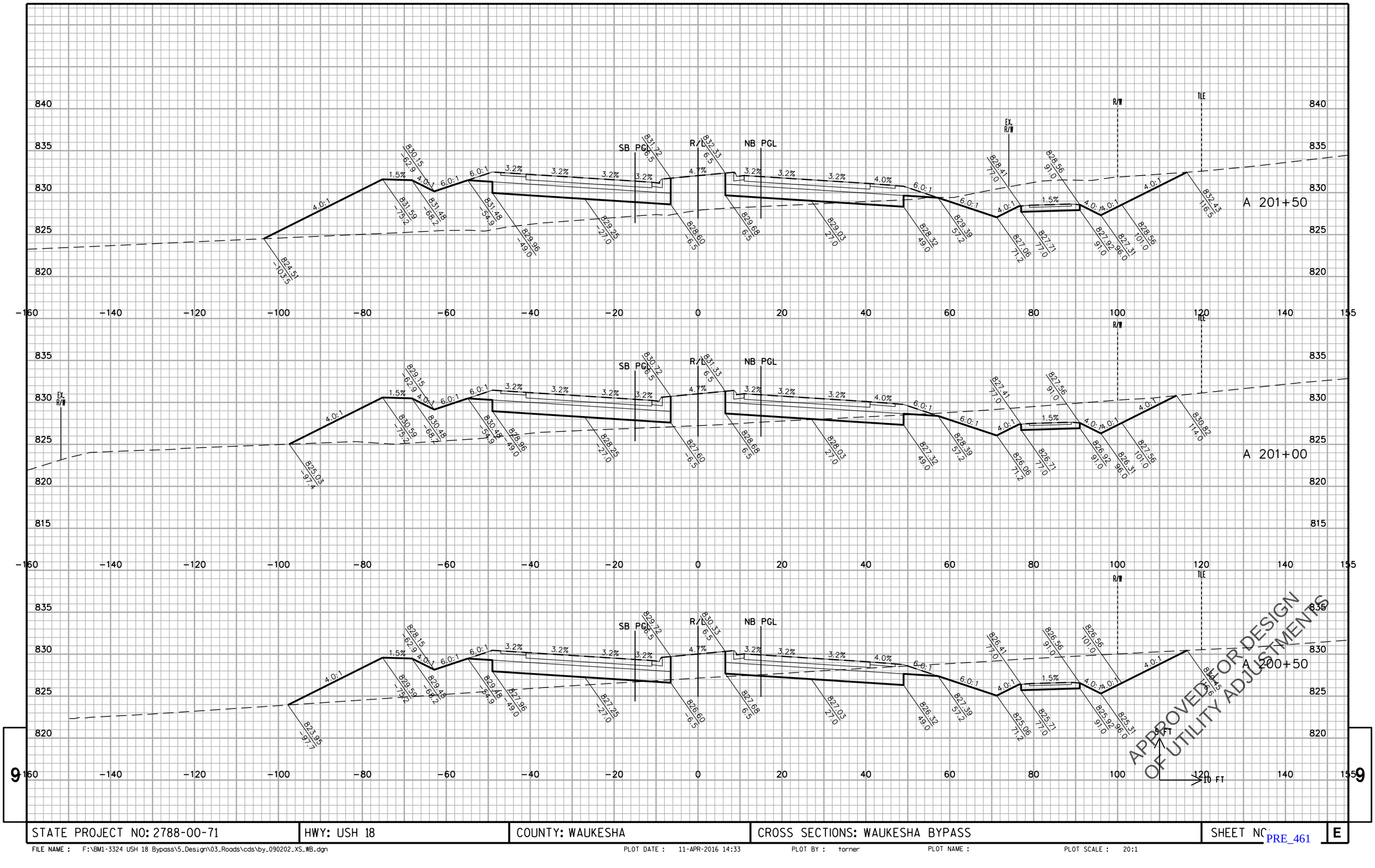
PRE_460



STATE PROJECT NO: 2788-00-71	HWY: USH 18	COUNTY: WAUKESHA	CROSS SECTIONS: WAUKESHA BYPASS	SHEET NO.	E

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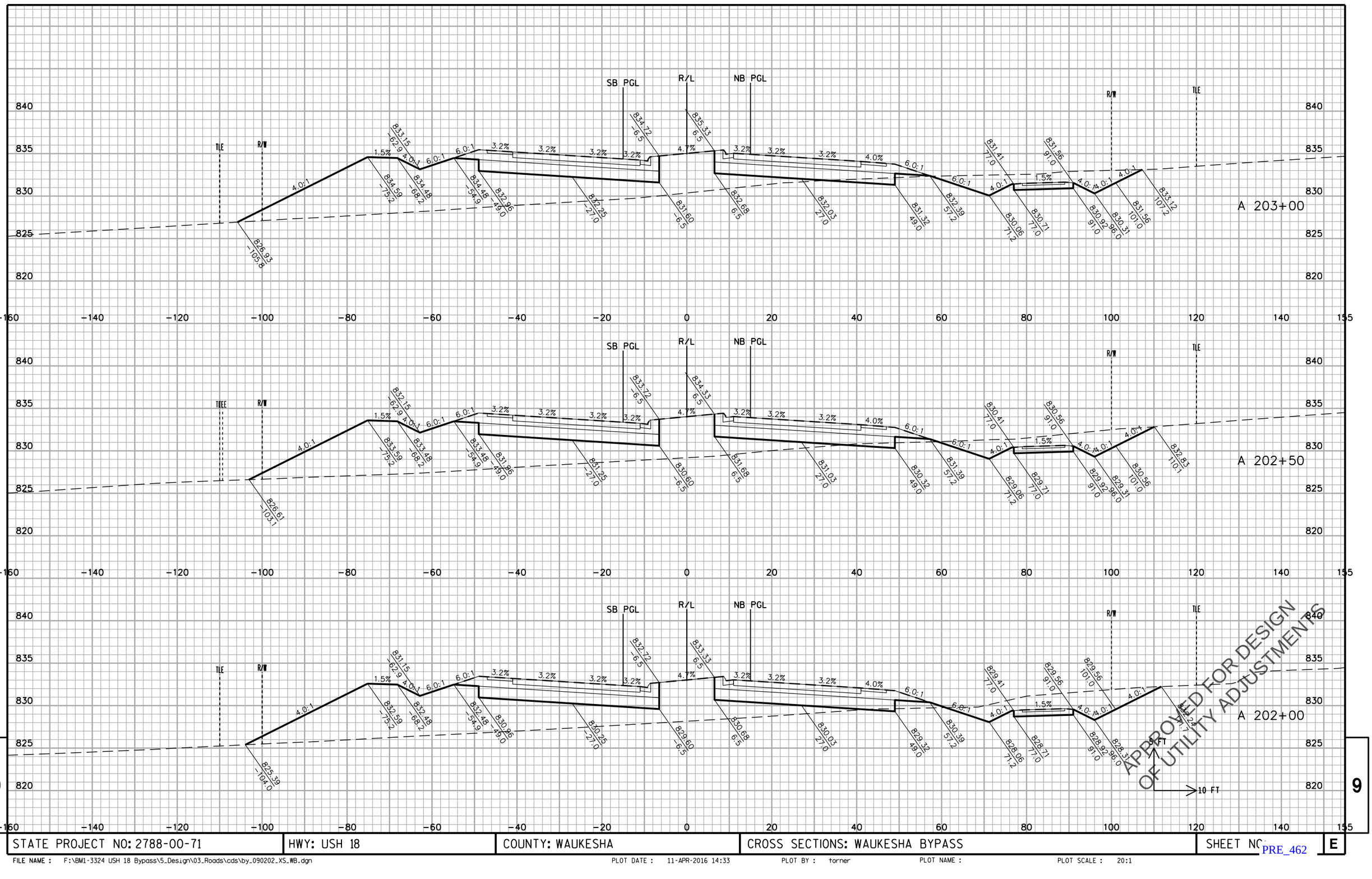
PRE_461

9 9



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STATE PROJECT NO: 2788-00-71	HWY: USH 18	COUNTY: WAUKESHA	CROSS SECTIONS: WAUKESHA BYPASS	SHEET NO	E

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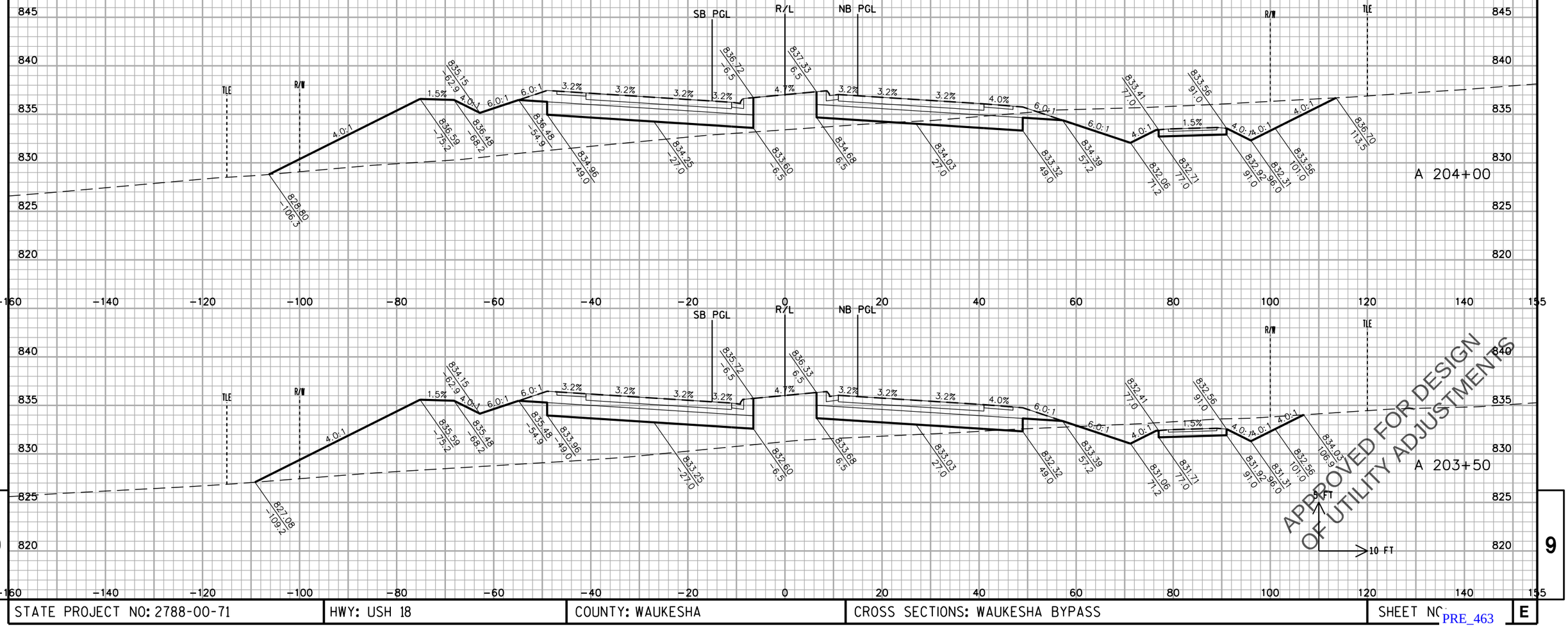
PRE_462



STATE PROJECT NO: 2788-00-71	HWY: USH 18	COUNTY: WAUKESHA	CROSS SECTIONS: WAUKESHA BYPASS	SHEET NO.

PRE_463

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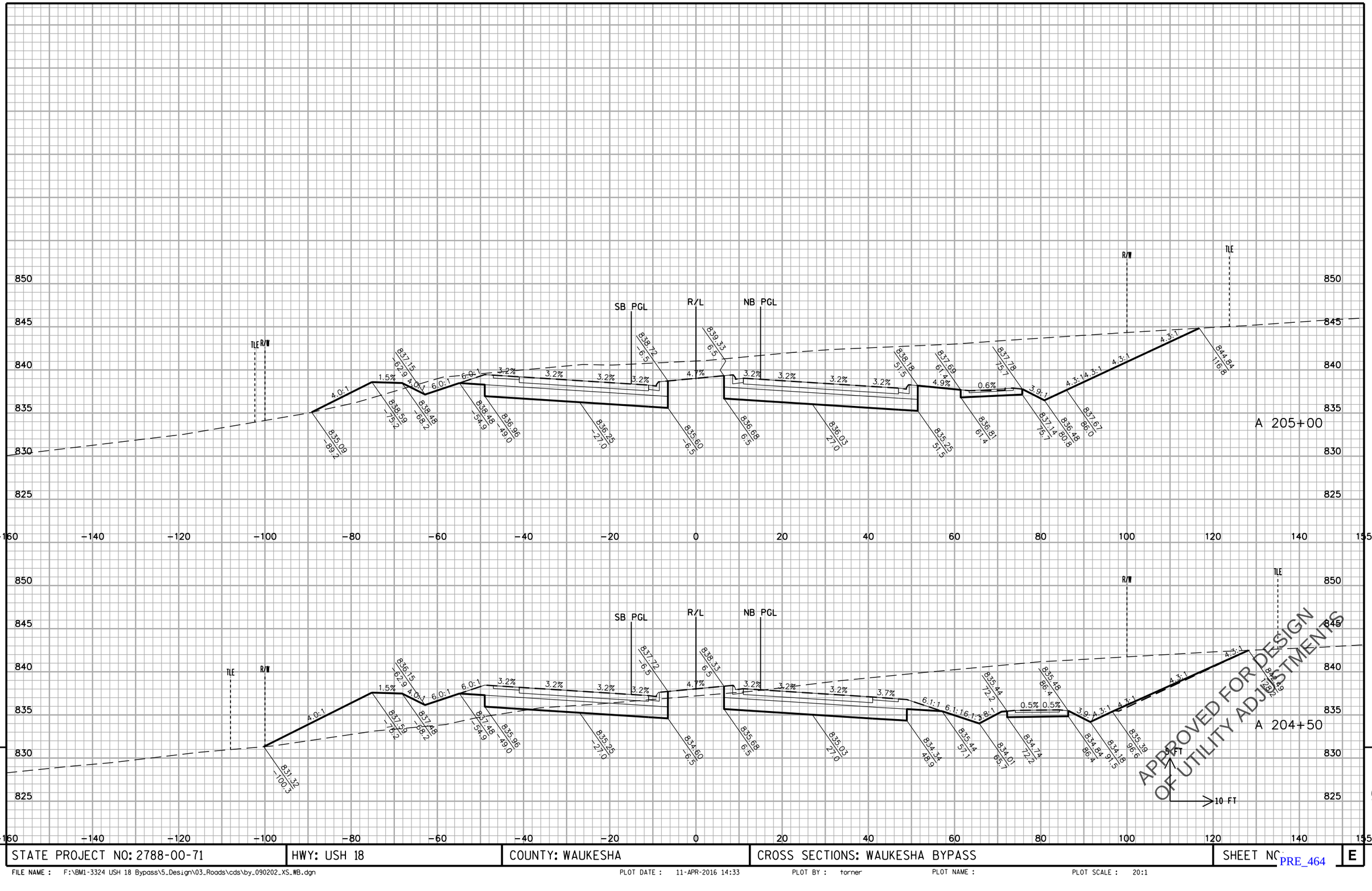
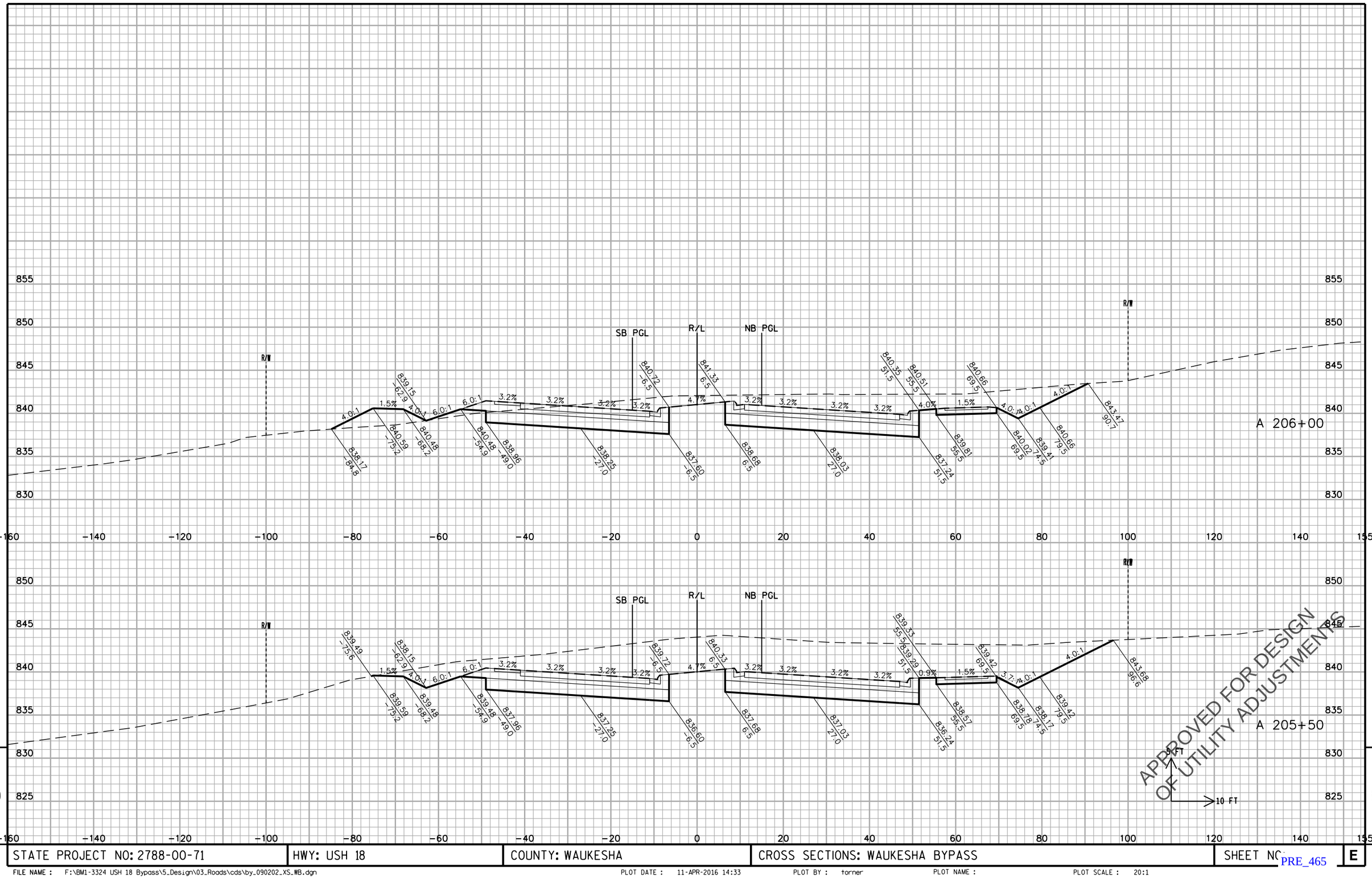


STATE PROJECT NO: 2788-00-71	HWY: USH 18	COUNTY: WAUKESHA	CROSS SECTIONS: WAUKESHA BYPASS	SHEET NO	E

FILE NAME : F:\BM1-3324 USH 18 Bypass\5_Design\03_Roads\cds\by_090202_XS_WB.dgn PLOT DATE : 11-APR-2016 14:33 PLOT BY : torner PLOT NAME : PLOT SCALE : 20:1

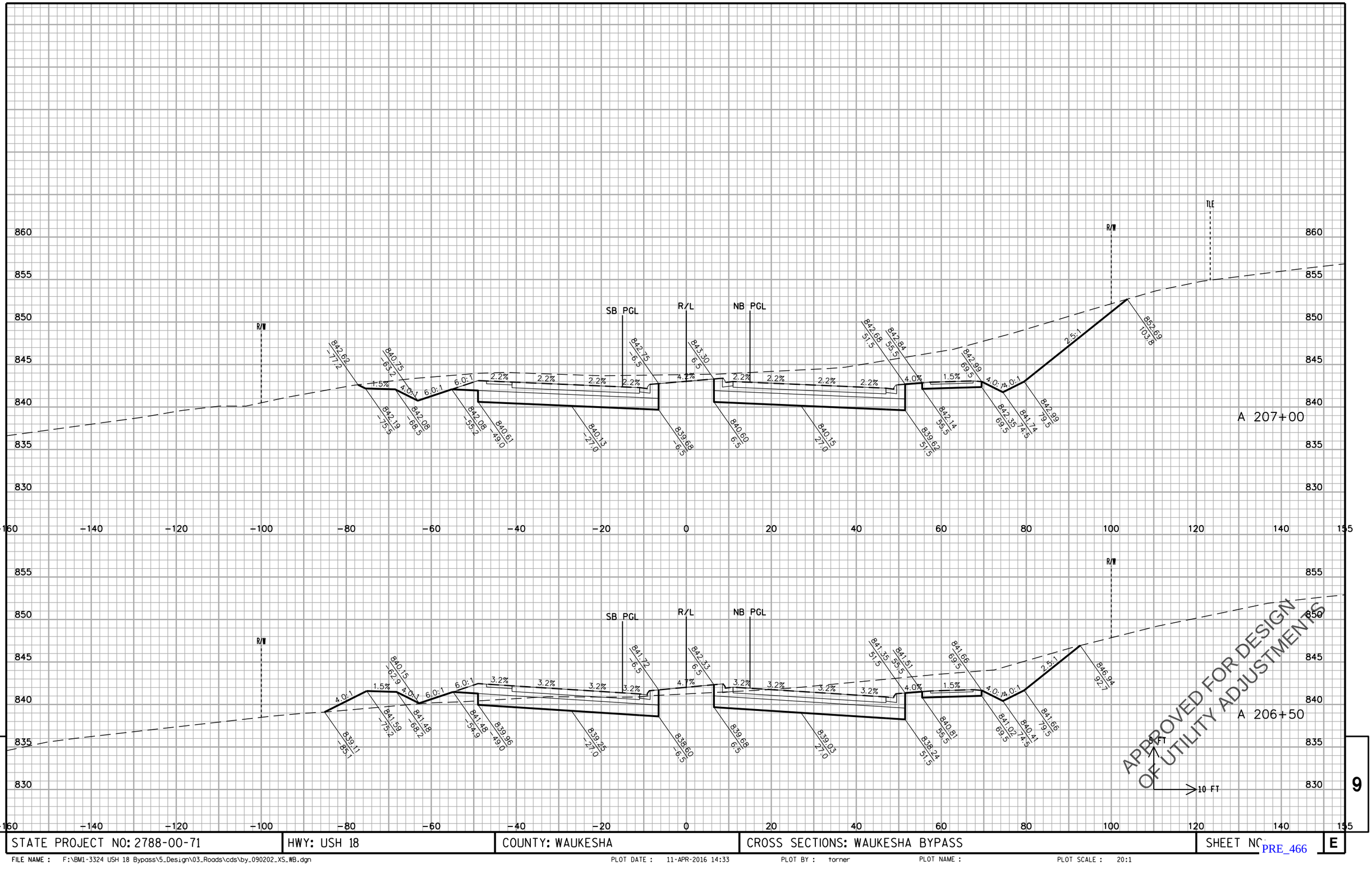
PRE_464



STATE PROJECT NO: 2788-00-71	HWY: USH 18	COUNTY: WAUKESHA	CROSS SECTIONS: WAUKESHA BYPASS	SHEET NO.	E

FILE NAME : F:\BM1-3324 USH 18 Bypass\5_Design\03_Roads\cds\by_090202_XS_WB.dgn PLOT DATE : 11-APR-2016 14:33 PLOT BY : torner PLOT NAME : PLOT SCALE : 20:1

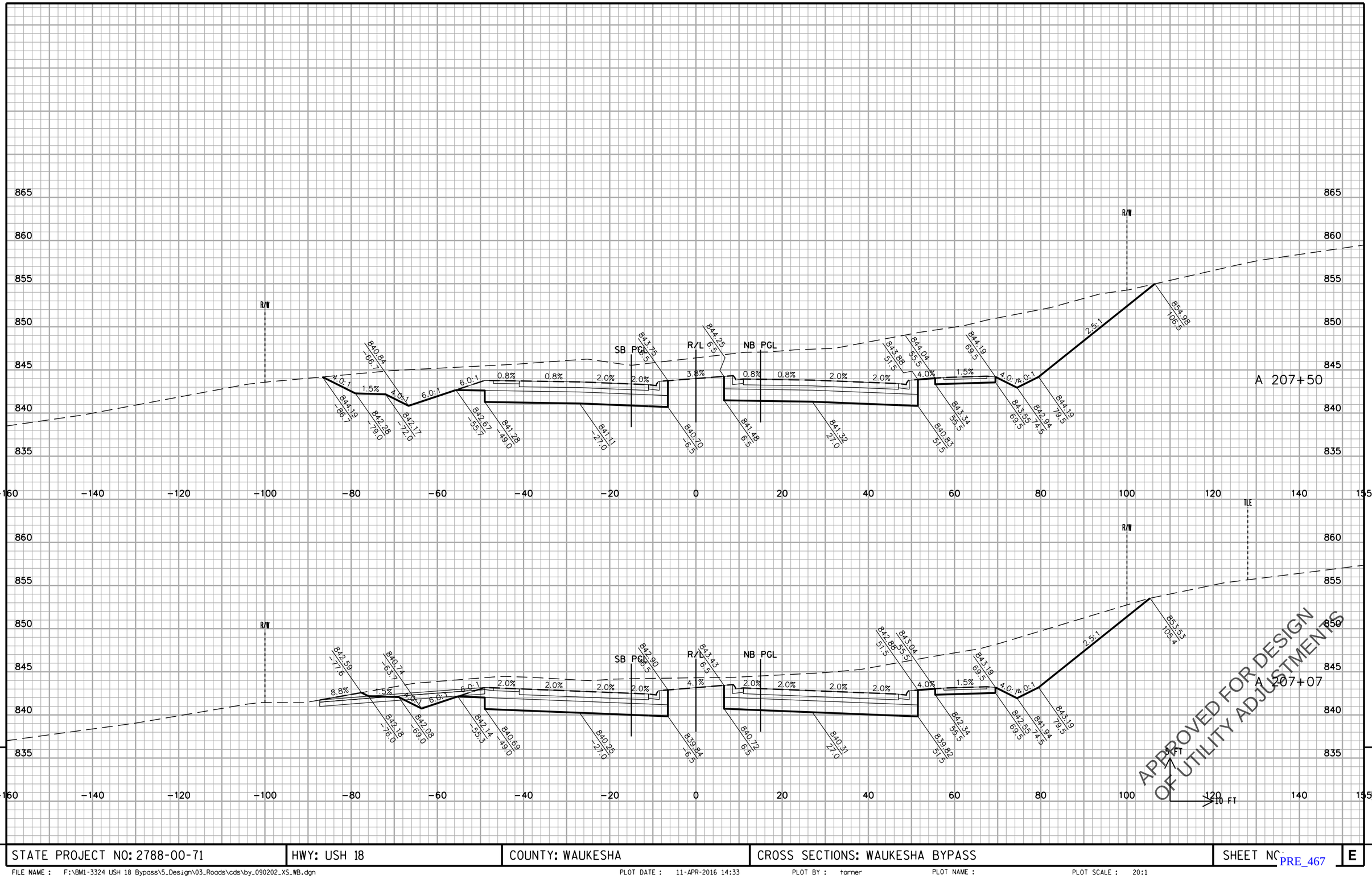
PRE_465



STATE PROJECT NO: 2788-00-71	HWY: USH 18	COUNTY: WAUKESHA	CROSS SECTIONS: WAUKESHA BYPASS	SHEET NO	E

FILE NAME : F:\BM1-3324 USH 18 Bypass\5_Design\03_Roads\cds\by_090202_XS_WB.dgn PLOT DATE : 11-APR-2016 14:33 PLOT BY : torner PLOT NAME : PLOT SCALE : 20:1

PRE_466



APPROVED FOR DESIGN
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STATE PROJECT NO: 2788-00-71	HWY: USH 18	COUNTY: WAUKESHA	CROSS SECTIONS: WAUKESHA BYPASS	SHEET NO.	E

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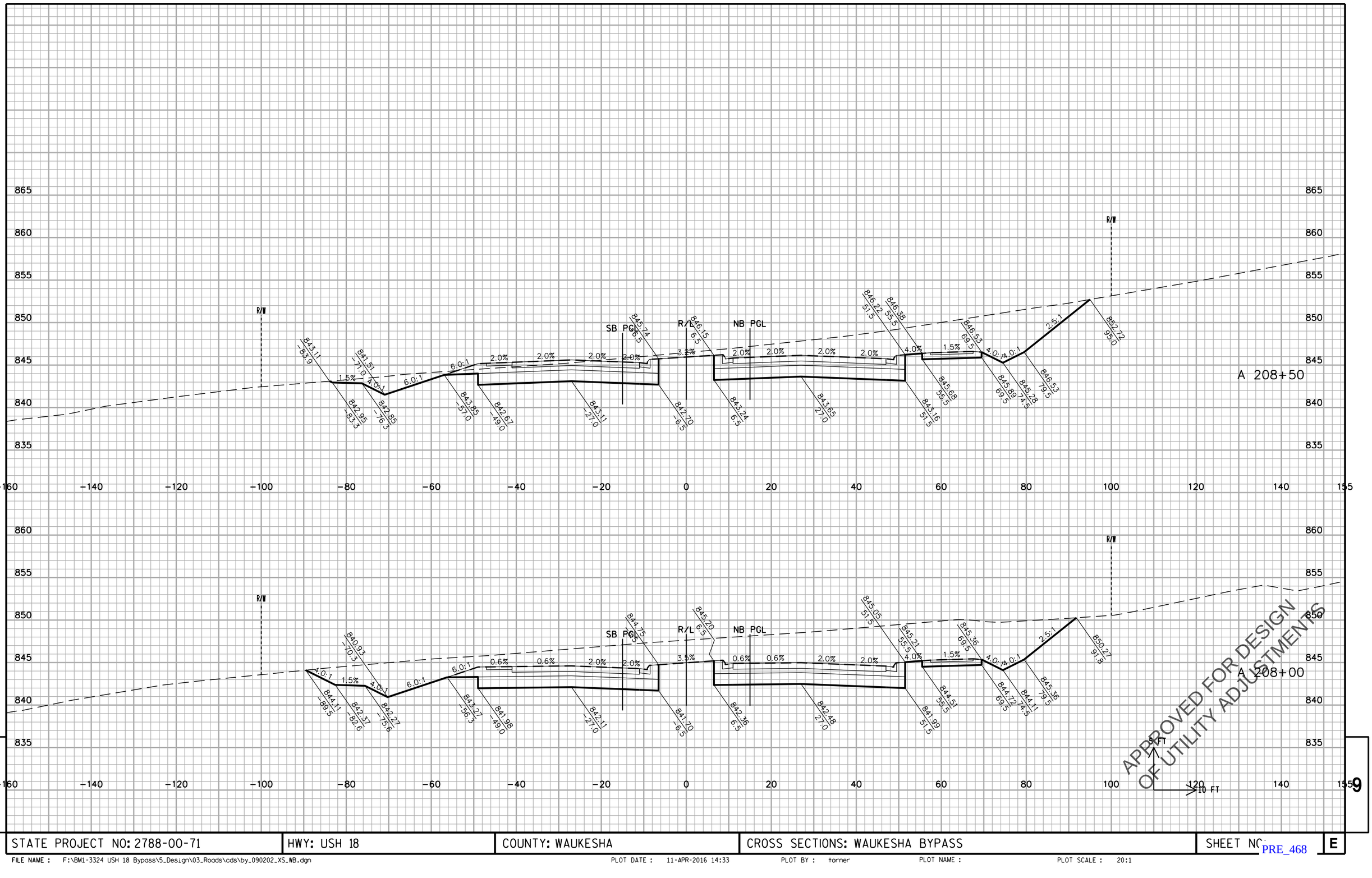
PRE_467



STATE PROJECT NO: 2788-00-71	HWY: USH 18	COUNTY: WAUKESHA	CROSS SECTIONS: WAUKESHA BYPASS	SHEET NO.	E

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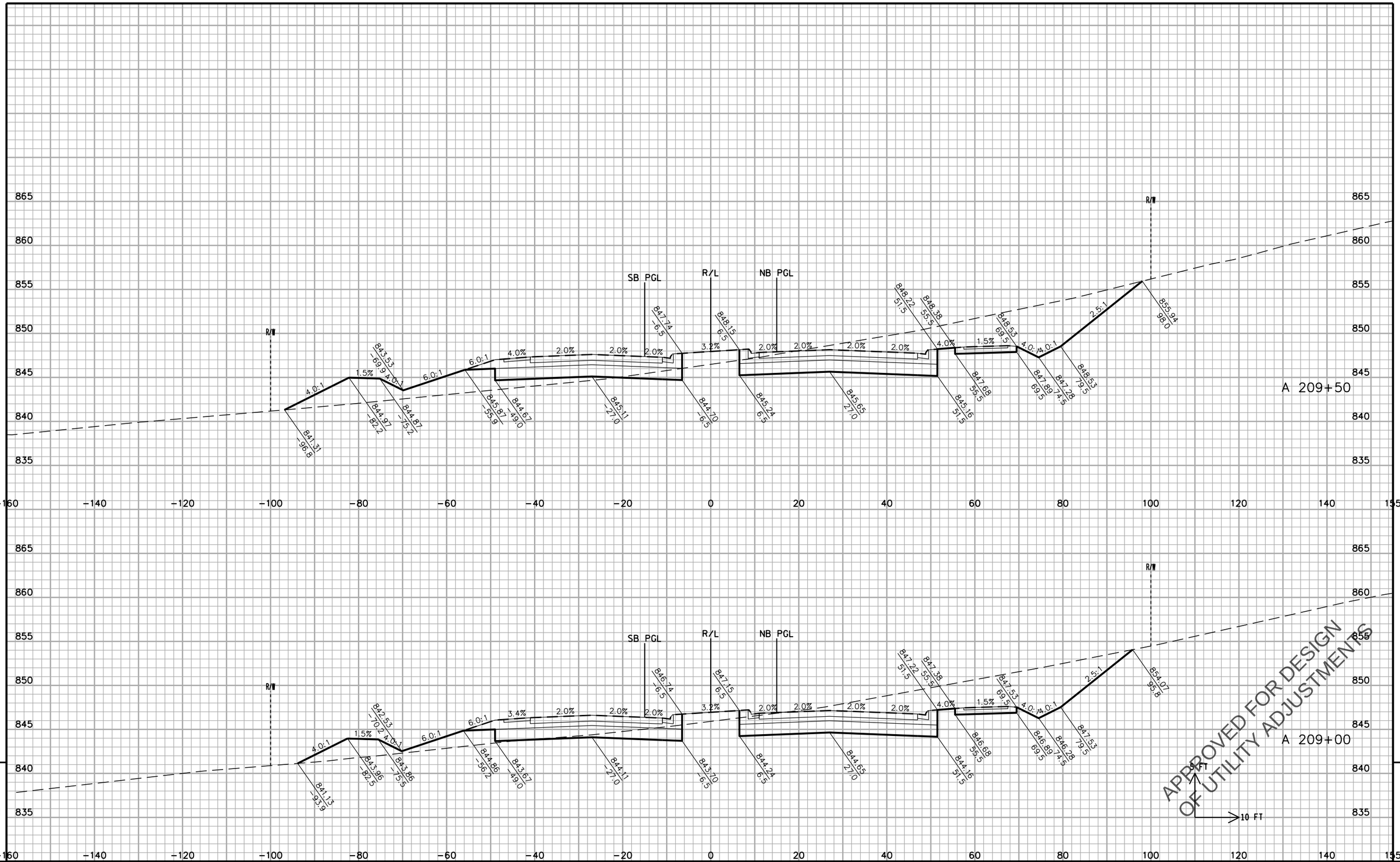
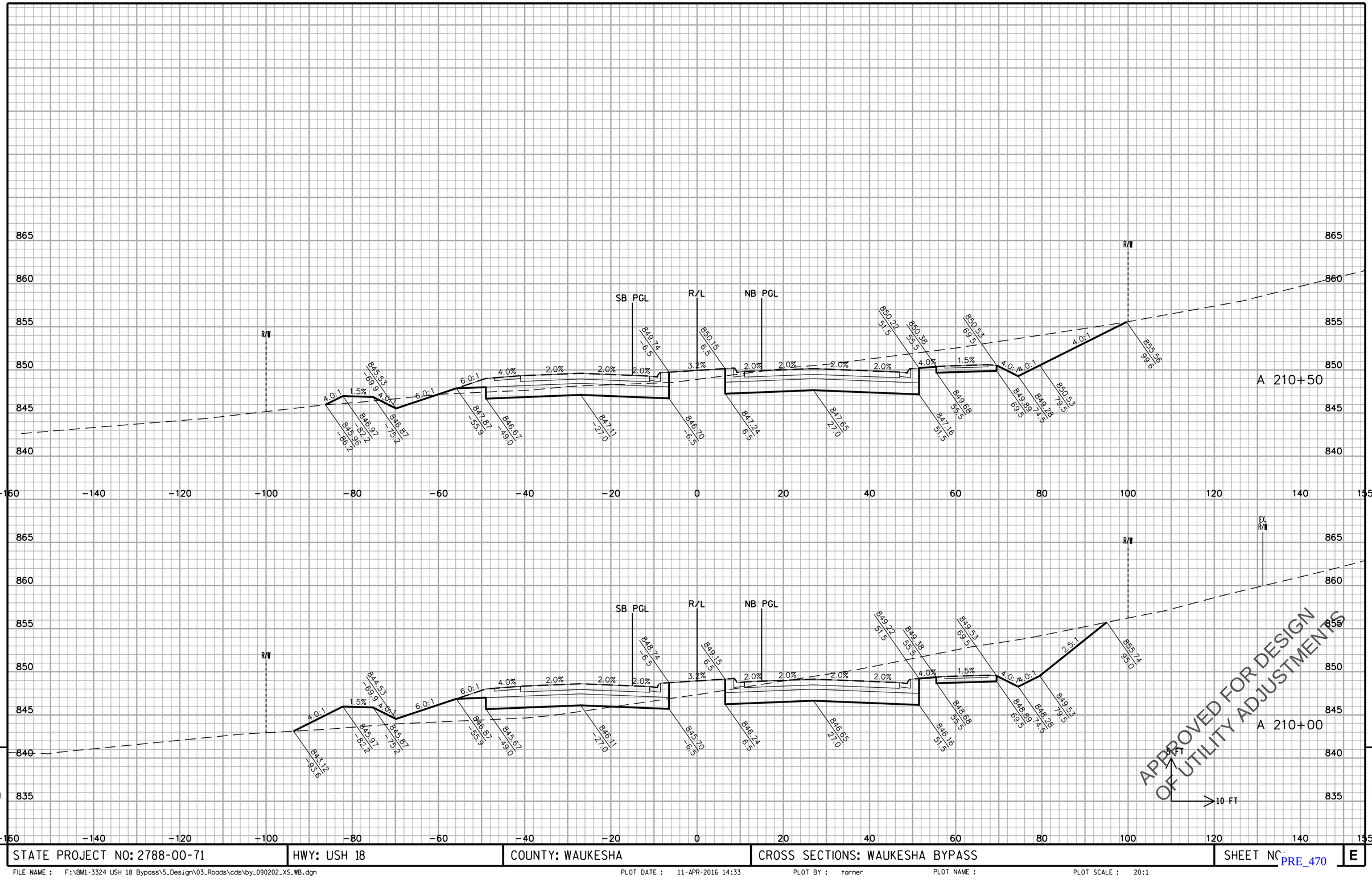
PRE_468



STATE PROJECT NO: 2788-00-71	HWY: USH 18	COUNTY: WAUKESHA	CROSS SECTIONS: WAUKESHA BYPASS	SHEET NO.	E

FILE NAME : F:\BM1-3324 USH 18 Bypass\5_Design\03_Roads\cds\by_090202_XS_WB.dgn PLOT DATE : 11-APR-2016 14:33 PLOT BY : torner PLOT NAME : PLOT SCALE : 20:1

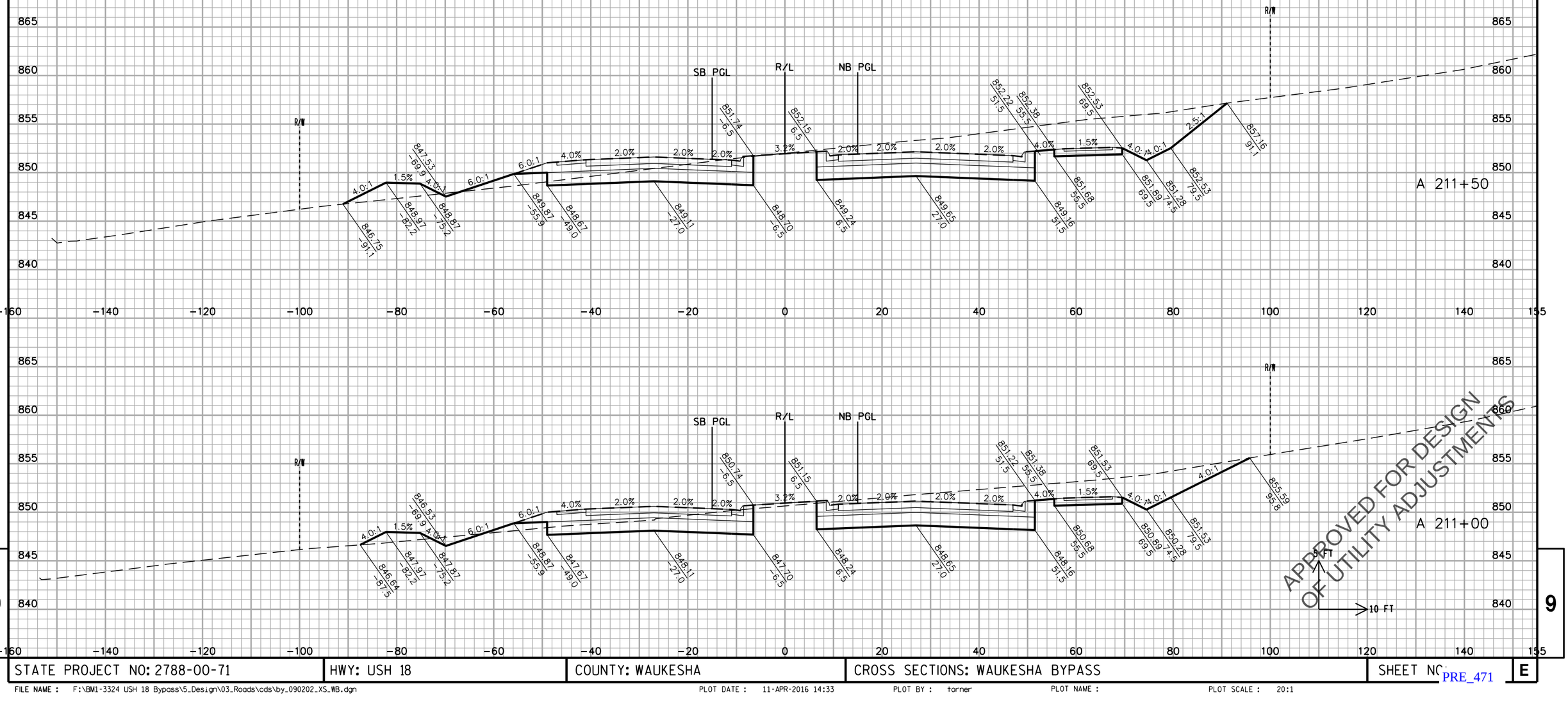
PRE_469



STATE PROJECT NO: 2788-00-71	HWY: USH 18	COUNTY: WAUKESHA	CROSS SECTIONS: WAUKESHA BYPASS	SHEET NO.	E

FILE NAME : F:\BM1-3324 USH 18 Bypass\5_Design\03_Roads\cds\by_090202_XS_WB.dgn PLOT DATE : 11-APR-2016 14:33 PLOT BY : torner PLOT NAME : PLOT SCALE : 20:1

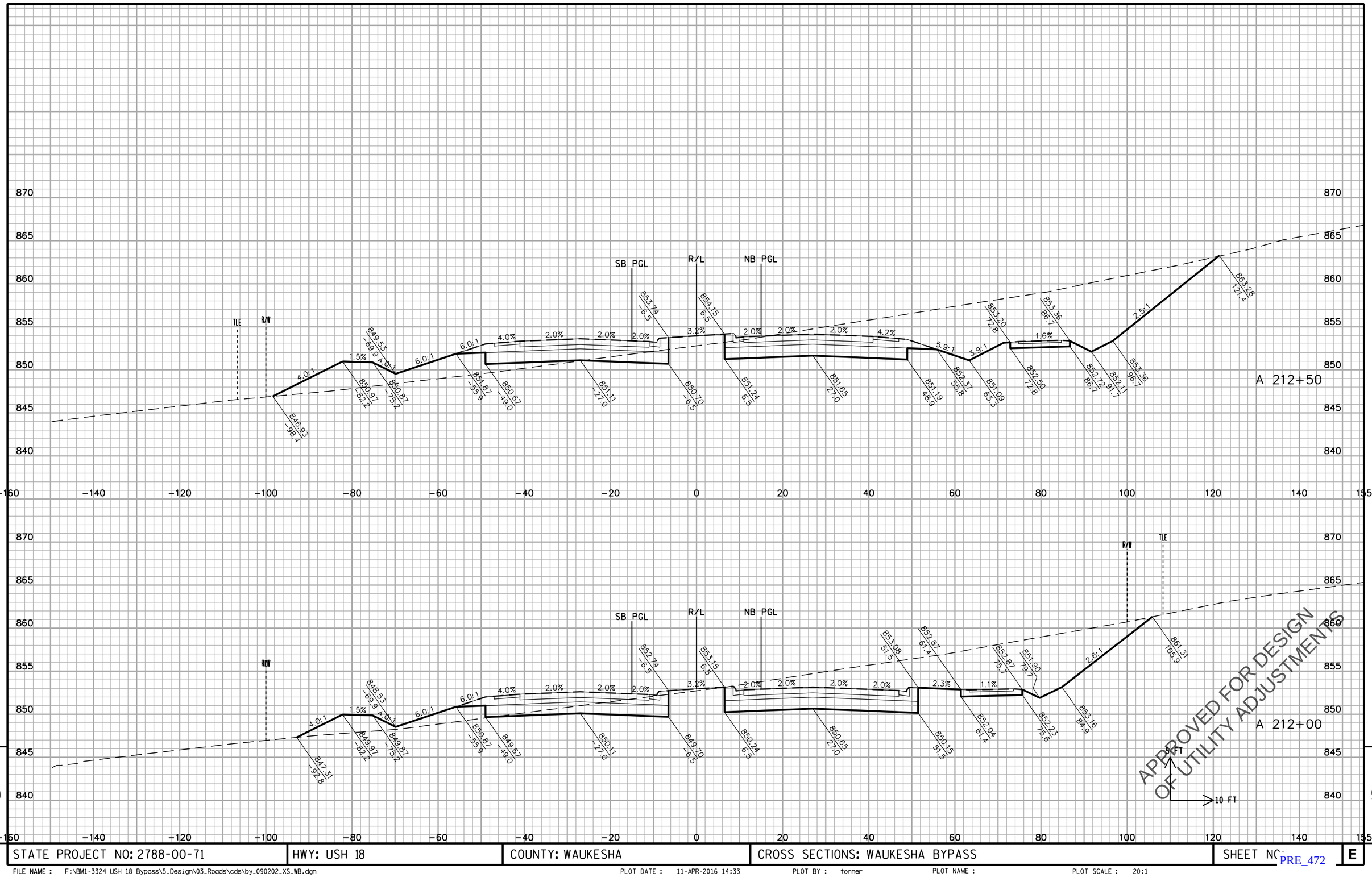
PRE_470



STATE PROJECT NO: 2788-00-71	HWY: USH 18	COUNTY: WAUKESHA	CROSS SECTIONS: WAUKESHA BYPASS	SHEET NO.	E

FILE NAME : F:\BM1-3324 USH 18 Bypass\5_Design\03_Roads\cds\by_090202_XS_WB.dgn PLOT DATE : 11-APR-2016 14:33 PLOT BY : torner PLOT NAME : PLOT SCALE : 20:1

PRE_471



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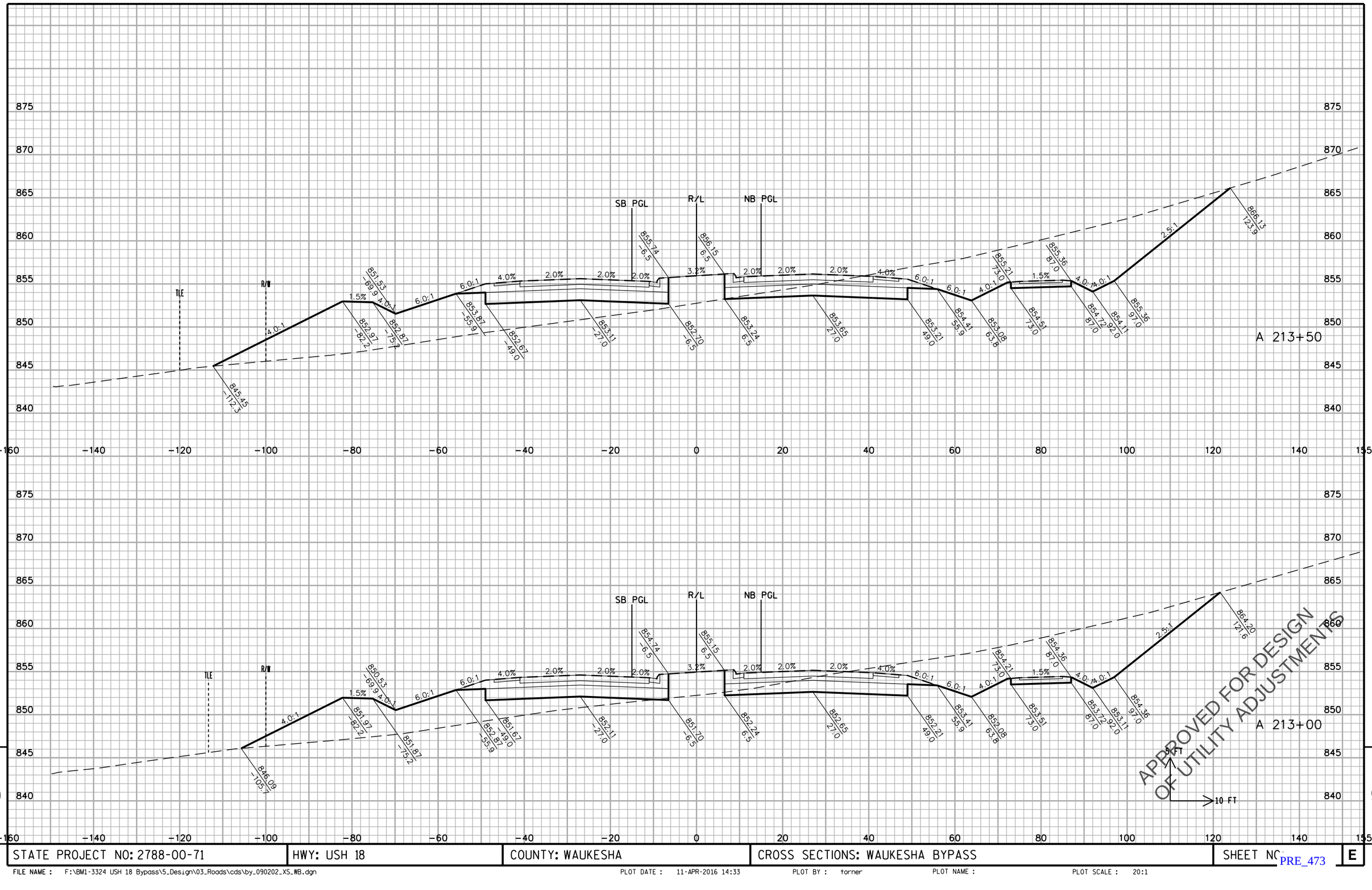
STATE PROJECT NO: 2788-00-71	HWY: USH 18	COUNTY: WAUKESHA	CROSS SECTIONS: WAUKESHA BYPASS	SHEET NO.	E

FILE NAME : F:\BM1-3324 USH 18 Bypass\5_Design\03_Roads\cds\by_090202_XS_WB.dgn PLOT DATE : 11-APR-2016 14:33 PLOT BY : torner PLOT NAME : PLOT SCALE : 20:1

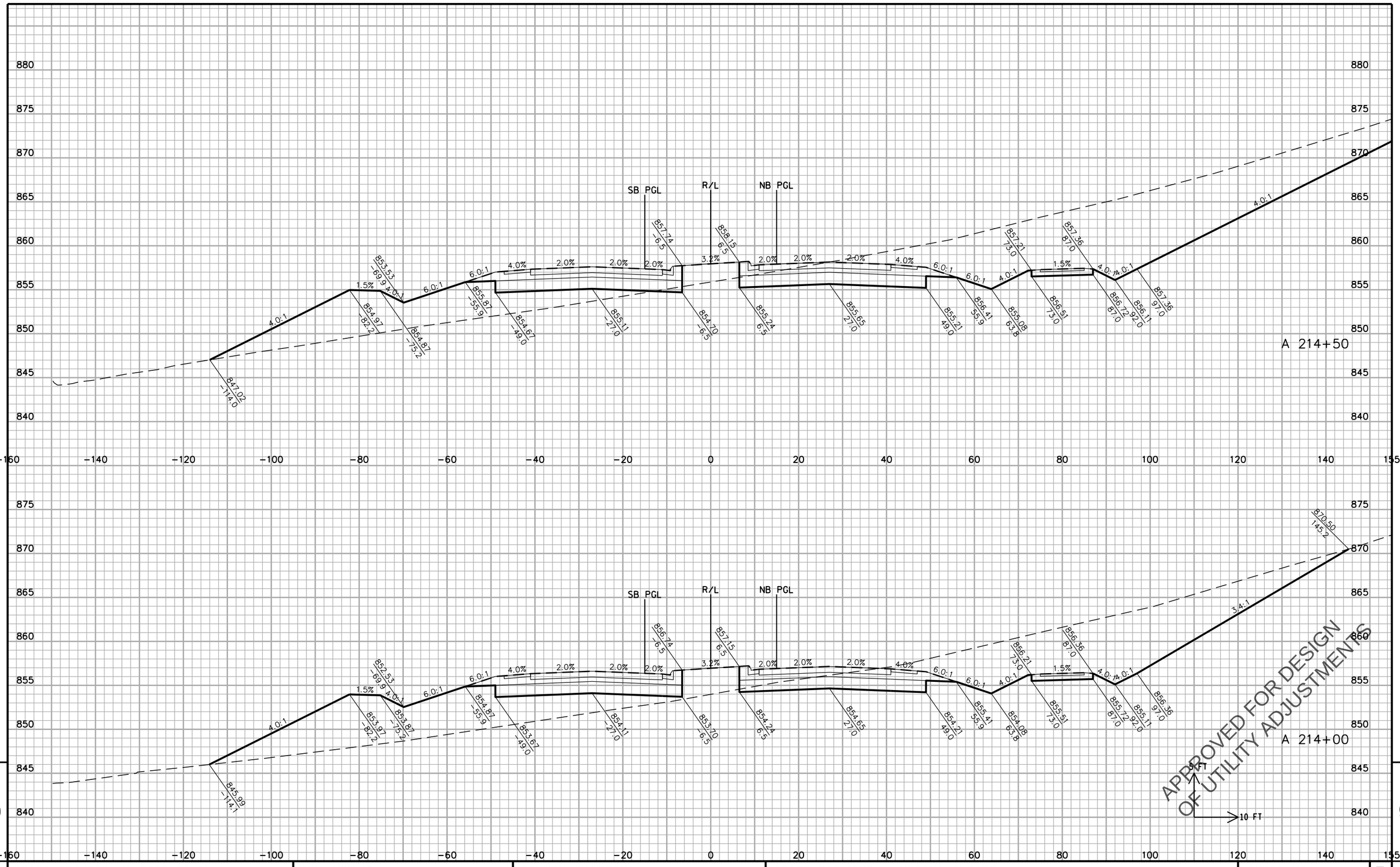
PRE_472



STATE PROJECT NO: 2788-00-71	HWY: USH 18	COUNTY: WAUKESHA	CROSS SECTIONS: WAUKESHA BYPASS	SHEET NO	E

FILE NAME : F:\BM1-3324 USH 18 Bypass\5_Design\03_Roads\cds\by_090202_XS_WB.dgn PLOT DATE : 11-APR-2016 14:33 PLOT BY : torner PLOT NAME : PLOT SCALE : 20:1

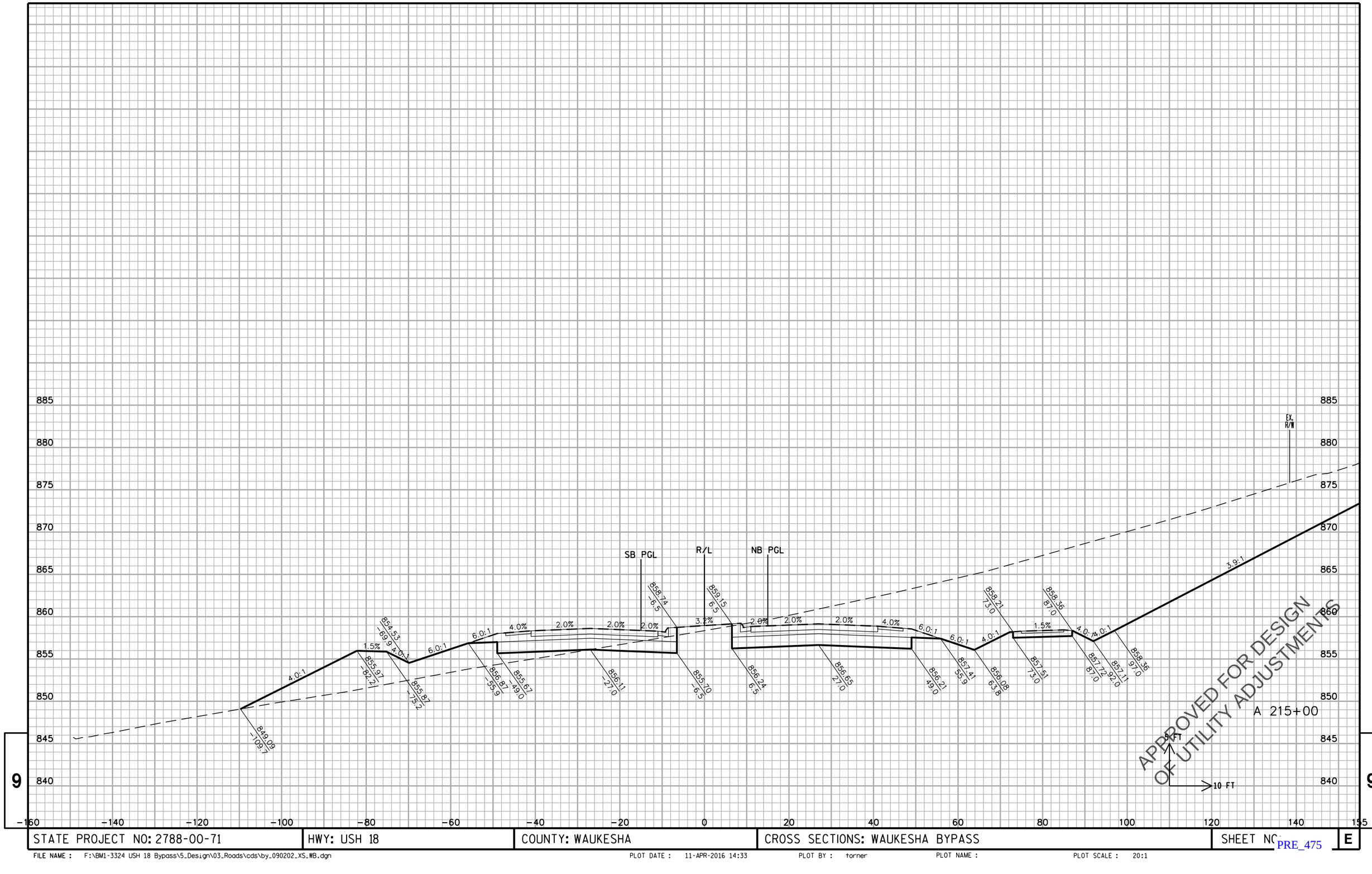
PRE_473



STATE PROJECT NO: 2788-00-71	HWY: USH 18	COUNTY: WAUKESHA	CROSS SECTIONS: WAUKESHA BYPASS	SHEET NO	E

FILE NAME : F:\BM1-3324 USH 18 Bypass\5_Design\03_Roads\cds\by_090202_XS_WB.dgn PLOT DATE : 11-APR-2016 14:33 PLOT BY : torner PLOT NAME : PLOT SCALE : 20:1

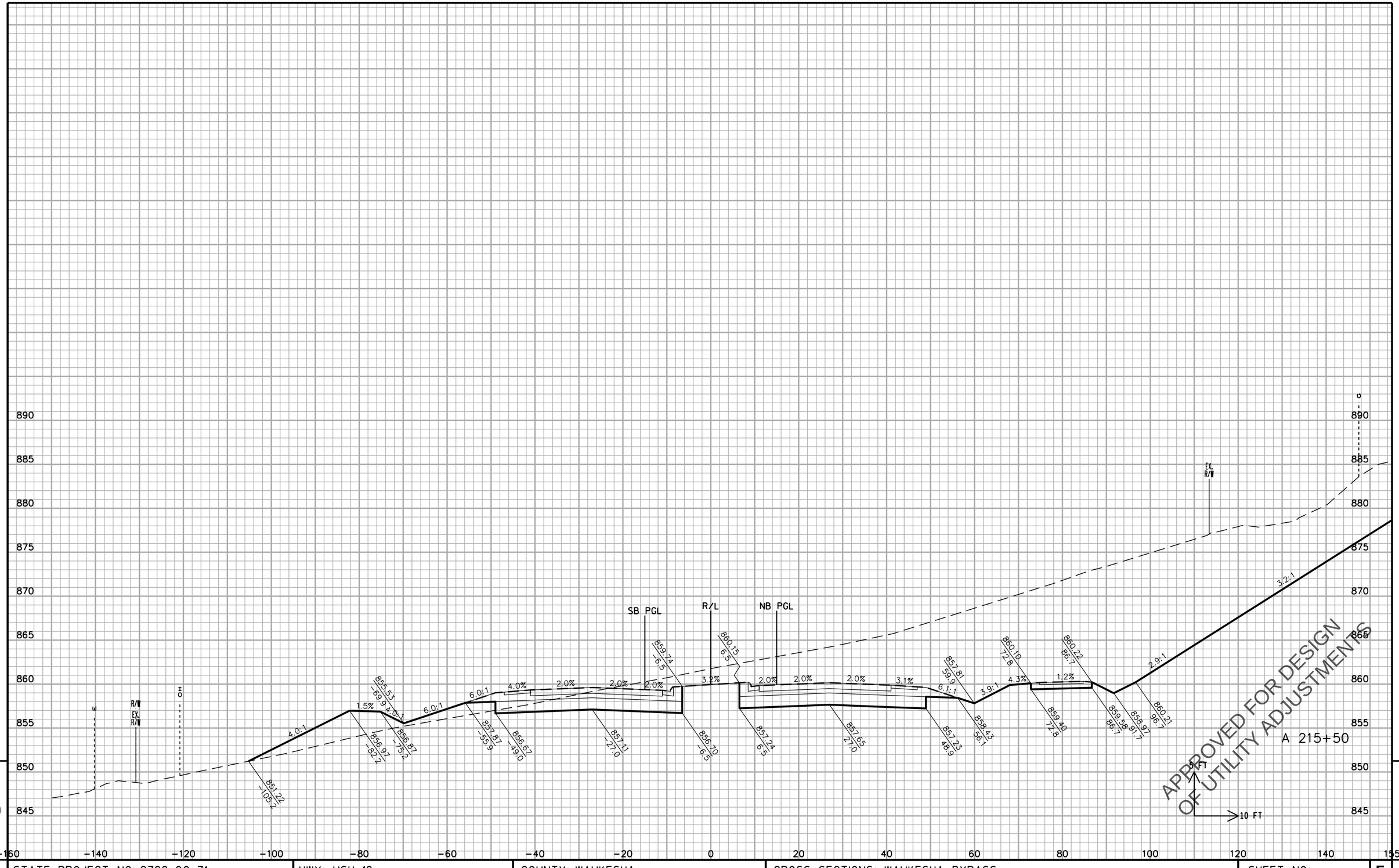
PRE_474



STATE PROJECT NO: 2788-00-71	HWY: USH 18	COUNTY: WAUKESHA	CROSS SECTIONS: WAUKESHA BYPASS	SHEET NO.	E

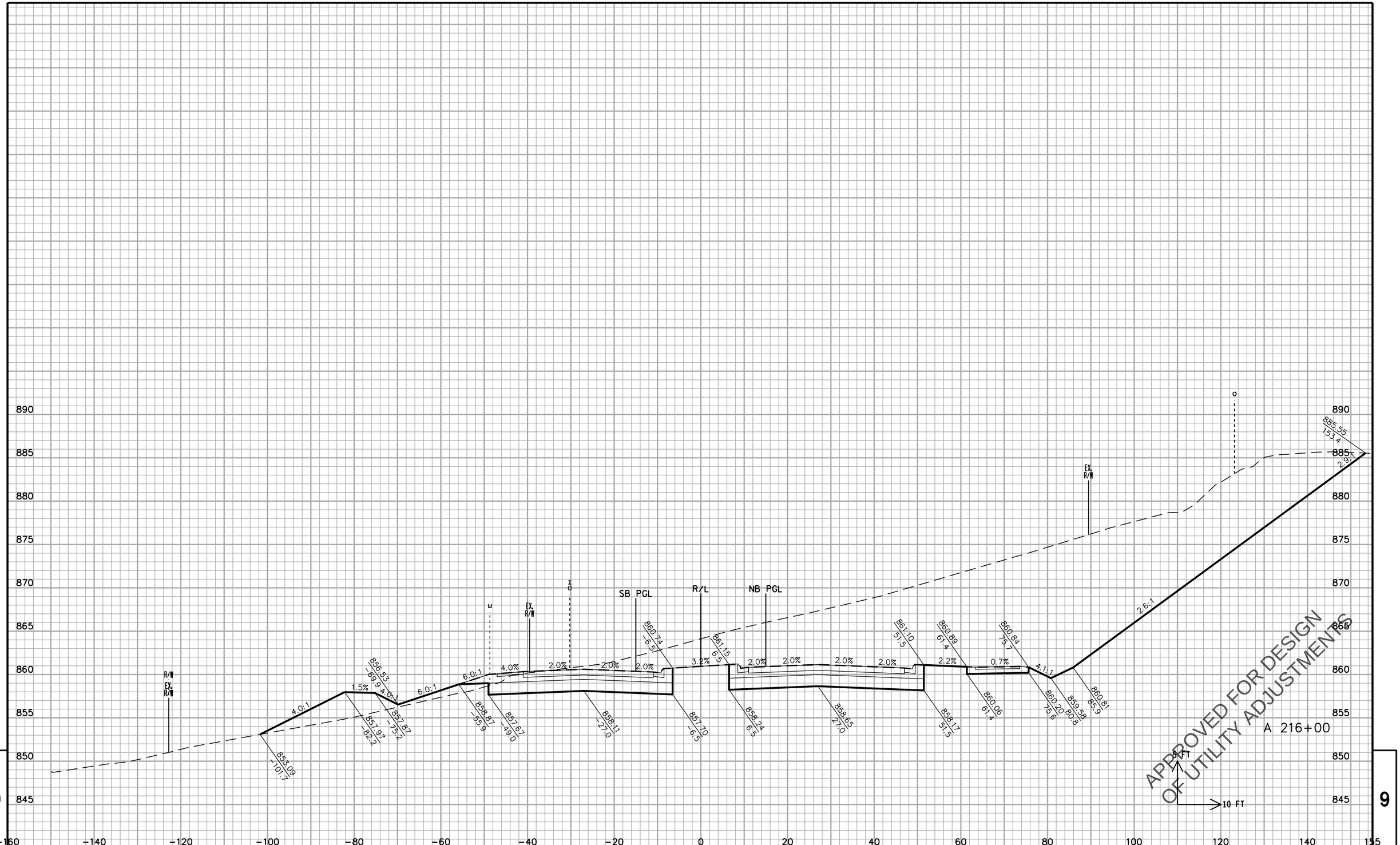
FILE NAME : F:\BM1-3324 USH 18 Bypass\5_Design\03_Roads\cds\by_090202_XS_WB.dgn PLOT DATE : 11-APR-2016 14:33 PLOT BY : torner PLOT NAME : PLOT SCALE : 20:1

PRE_475



STATE PROJECT NO: 2788-00-71	HWY: USH 18	COUNTY: WAUKESHA	CROSS SECTIONS: WAUKESHA BYPASS	SHEET NO. E

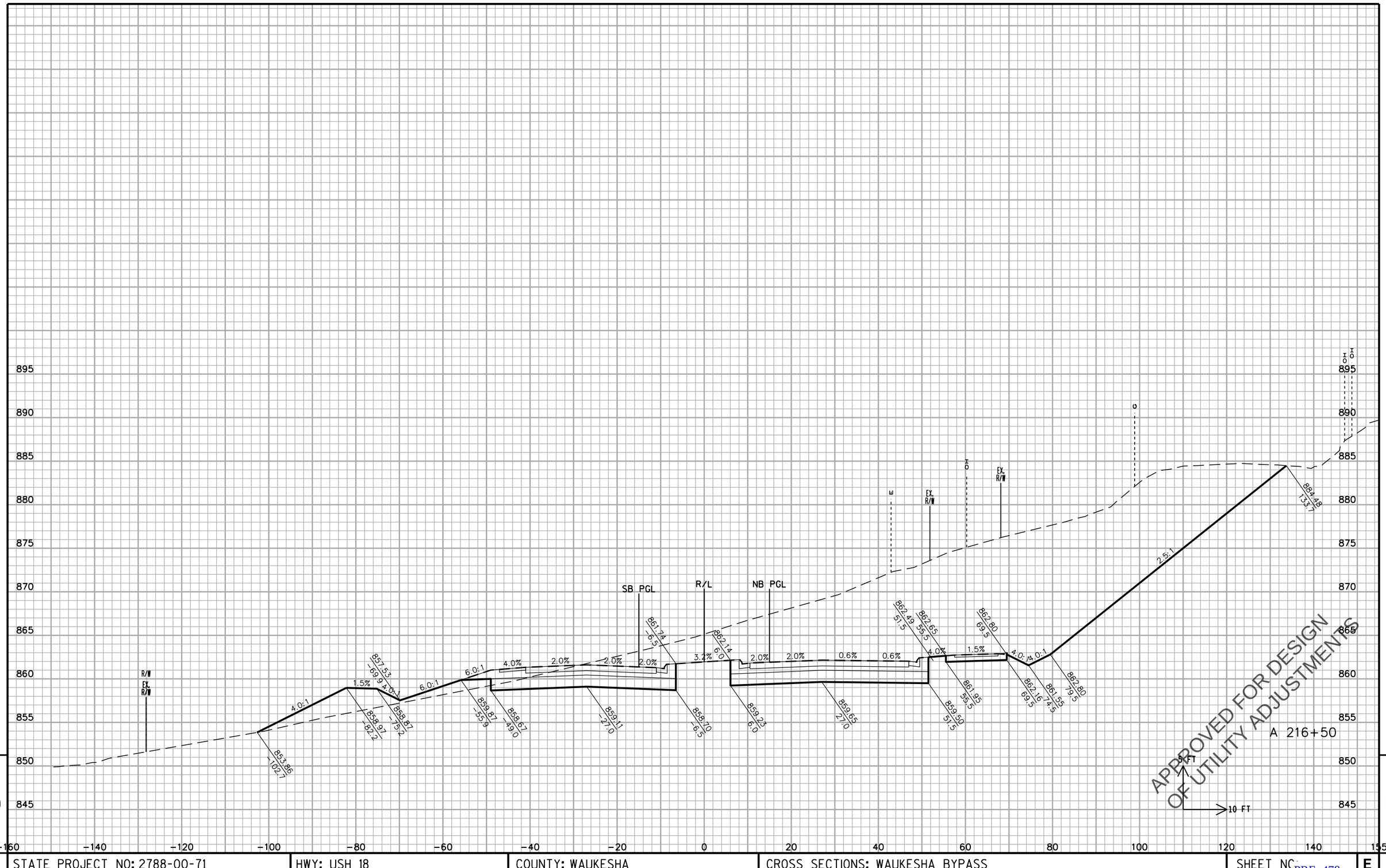
FILE NAME : F:\BM1-3324 USH 18 Bypass\5_Design\03_Roads\cds\by_090202_XS_WB.dgn PLOT DATE : 11-APR-2016 14:33 PLOT BY : torner PLOT NAME : PLOT SCALE : 20:1



STATE PROJECT NO: 2788-00-71	HWY: USH 18	COUNTY: WAUKESHA	CROSS SECTIONS: WAUKESHA BYPASS	SHEET NO.	E

FILE NAME : F:\BM1-3324 USH 18 Bypass\5_Design\03_Roads\cds\by_090202_XS_WB.dgn PLOT DATE : 11-APR-2016 14:33 PLOT BY : torner PLOT NAME : PLOT SCALE : 20:1

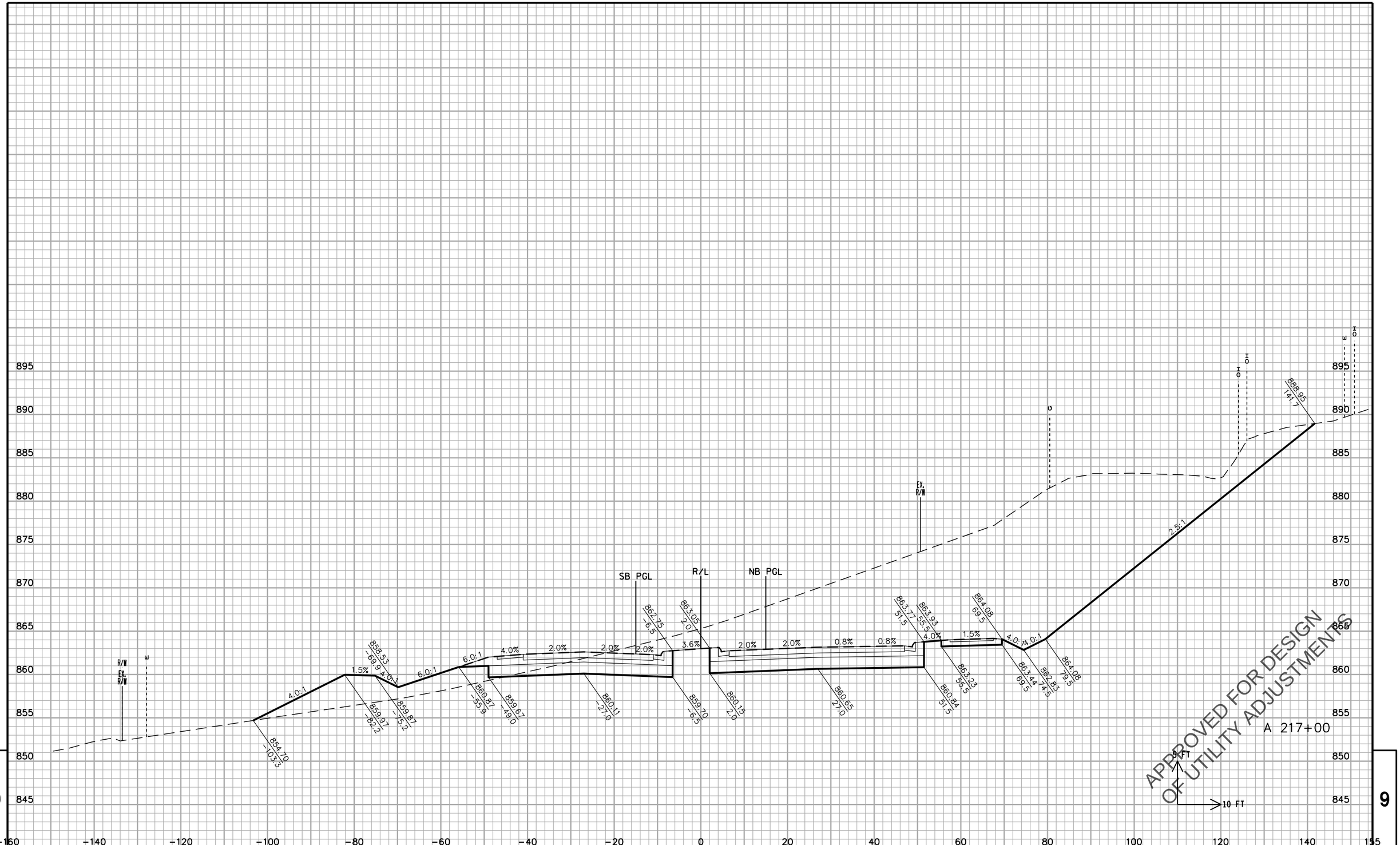
PRE_477



STATE PROJECT NO: 2788-00-71	HWY: USH 18	COUNTY: WAUKESHA	CROSS SECTIONS: WAUKESHA BYPASS	SHEET NO	E

FILE NAME : F:\BM1-3324 USH 18 Bypass\5_Design\03_Roads\cds\by_090202_XS_WB.dgn PLOT DATE : 11-APR-2016 14:34 PLOT BY : torner PLOT NAME : PLOT SCALE : 20:1

PRE_478



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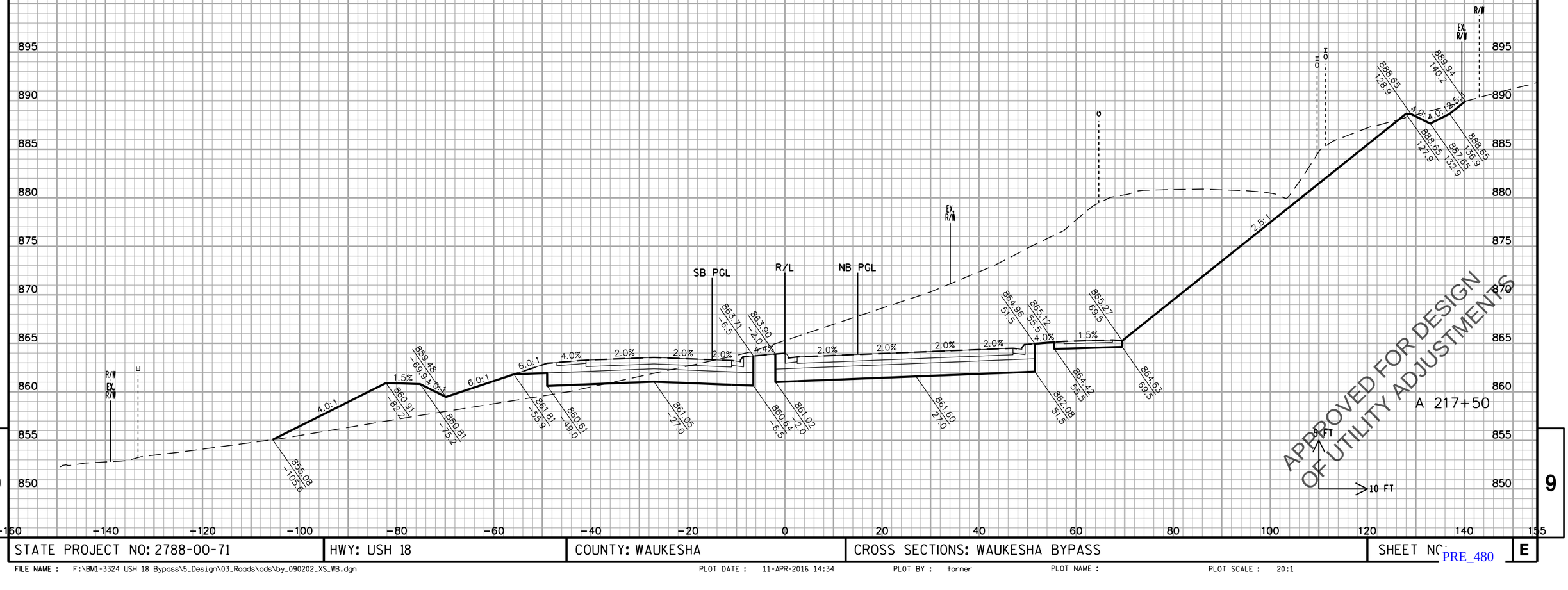
STATE PROJECT NO: 2788-00-71	HWY: USH 18	COUNTY: WAUKESHA	CROSS SECTIONS: WAUKESHA BYPASS	SHEET NO	E

FILE NAME : F:\BM1-3324 USH 18 Bypass\5_Design\03_Roads\cds\by_090202_XS_WB.dgn PLOT DATE : 11-APR-2016 14:34 PLOT BY : torner PLOT NAME : PLOT SCALE : 20:1

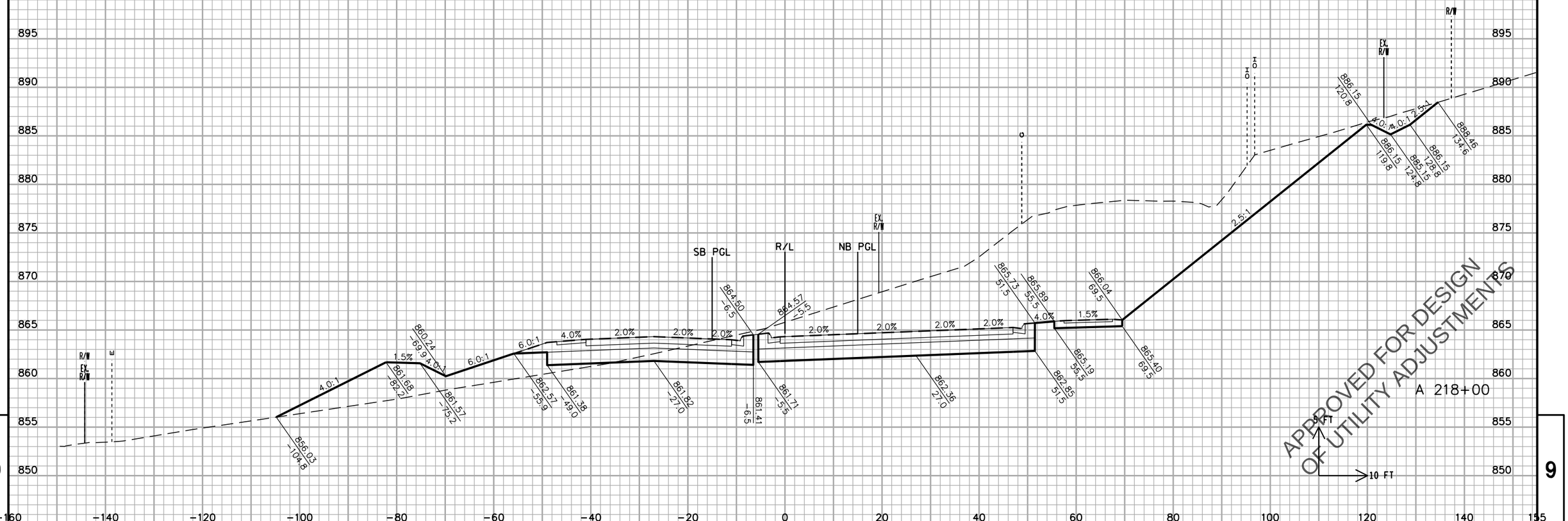
PRE_479



STATE PROJECT NO: 2788-00-71	HWY: USH 18	COUNTY: WAUKESHA	CROSS SECTIONS: WAUKESHA BYPASS	SHEET NO.	E

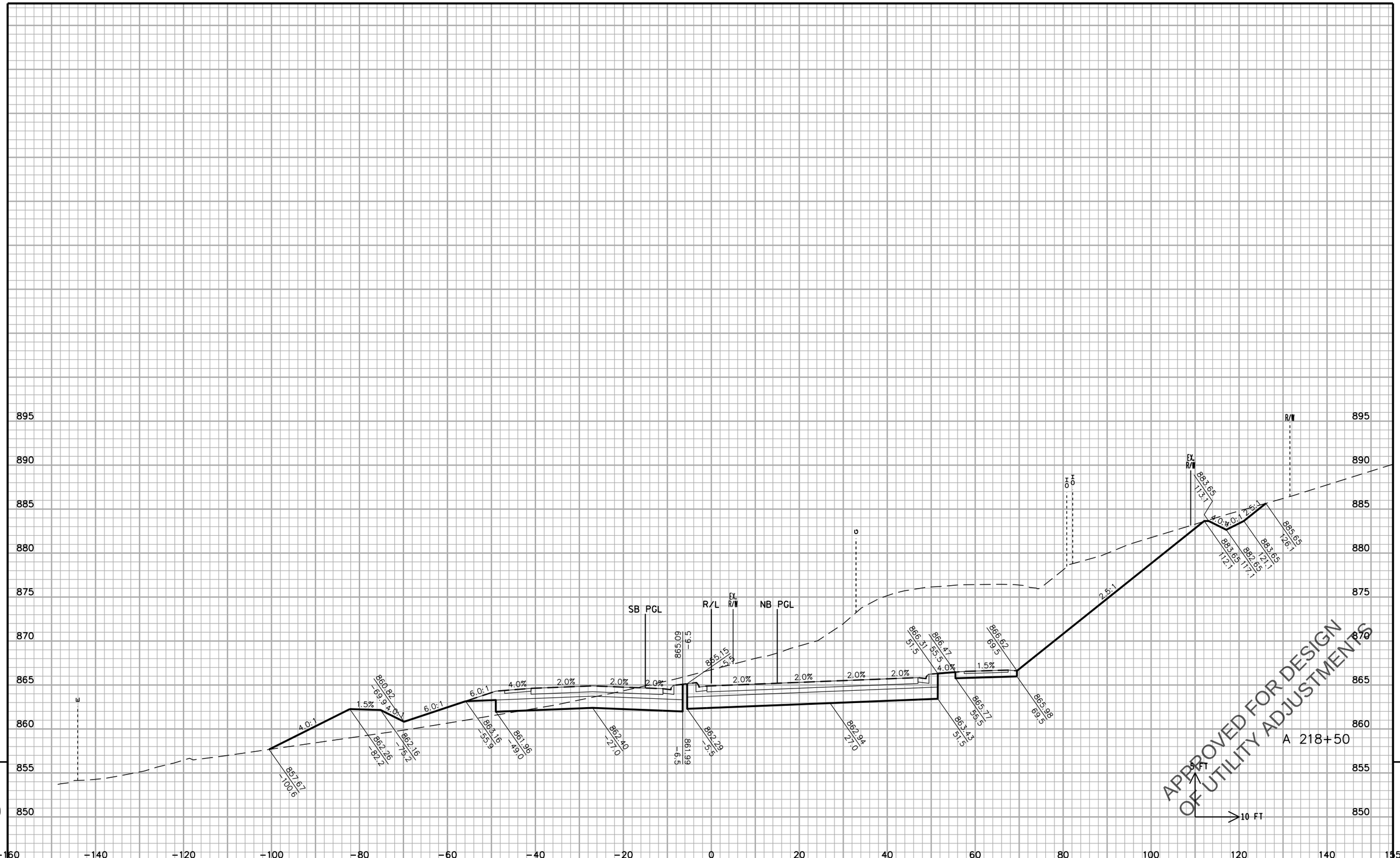
FILE NAME : F:\BM1-3324 USH 18 Bypass\5_Design\03_Roads\cds\by_090202_XS_WB.dgn PLOT DATE : 11-APR-2016 14:34 PLOT BY : torner PLOT NAME : PLOT SCALE : 20:1

PRE_480



STATE PROJECT NO: 2788-00-71	HWY: USH 18	COUNTY: WAUKESHA	CROSS SECTIONS: WAUKESHA BYPASS	SHEET NO	E

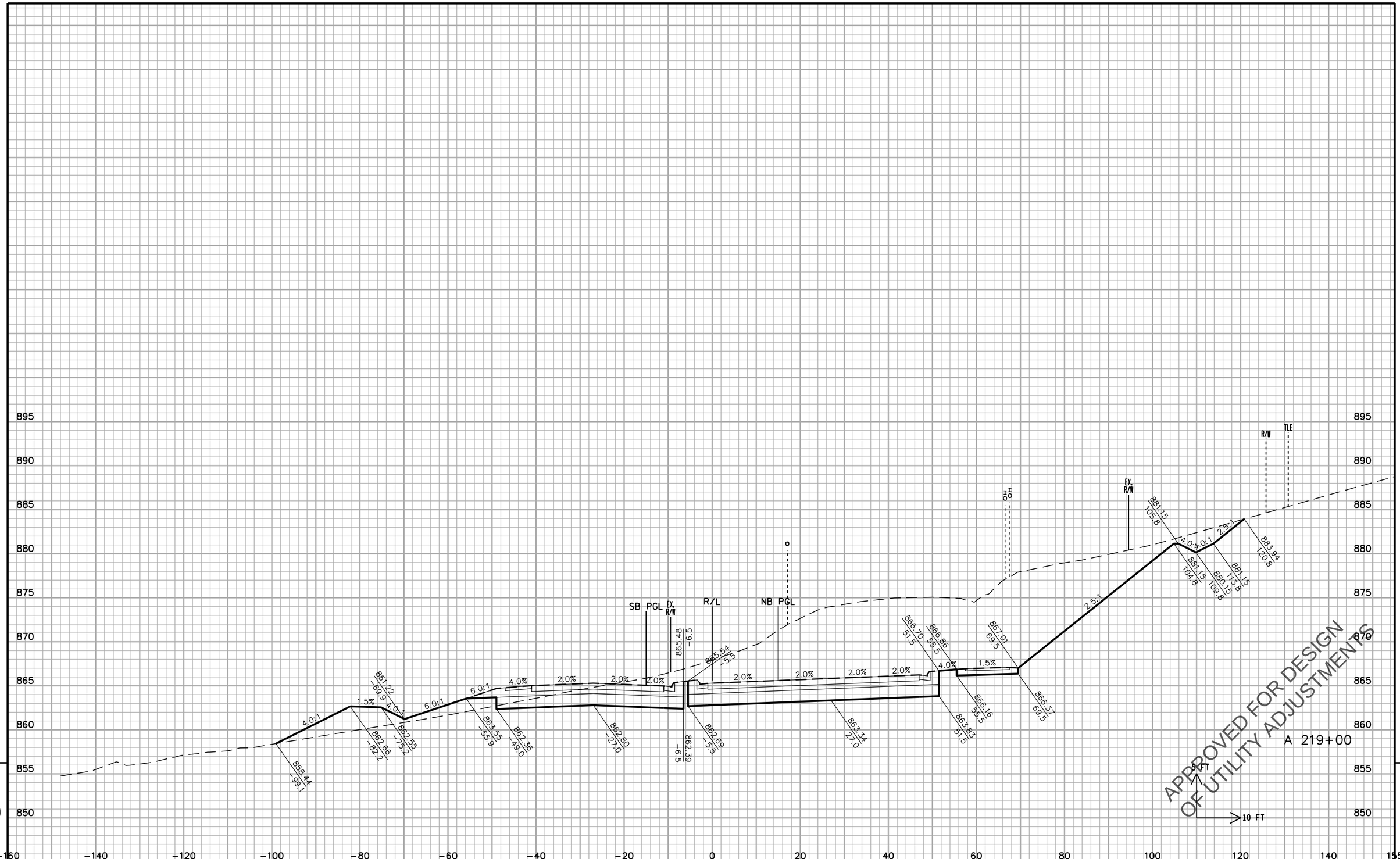
FILE NAME : F:\BM1-3324 USH 18 Bypass\5_Design\03_Roads\cds\by_090202_XS_WB.dgn PLOT DATE : 11-APR-2016 14:34 PLOT BY : torner PLOT NAME : PLOT SCALE : 20:1



STATE PROJECT NO: 2788-00-71	HWY: USH 18	COUNTY: WAUKESHA	CROSS SECTIONS: WAUKESHA BYPASS	SHEET NO.	E

FILE NAME : F:\BM1-3324 USH 18 Bypass\5_Design\03_Roads\cds\by_090202_XS_WB.dgn PLOT DATE : 11-APR-2016 14:34 PLOT BY : torner PLOT NAME : PLOT SCALE : 20:1

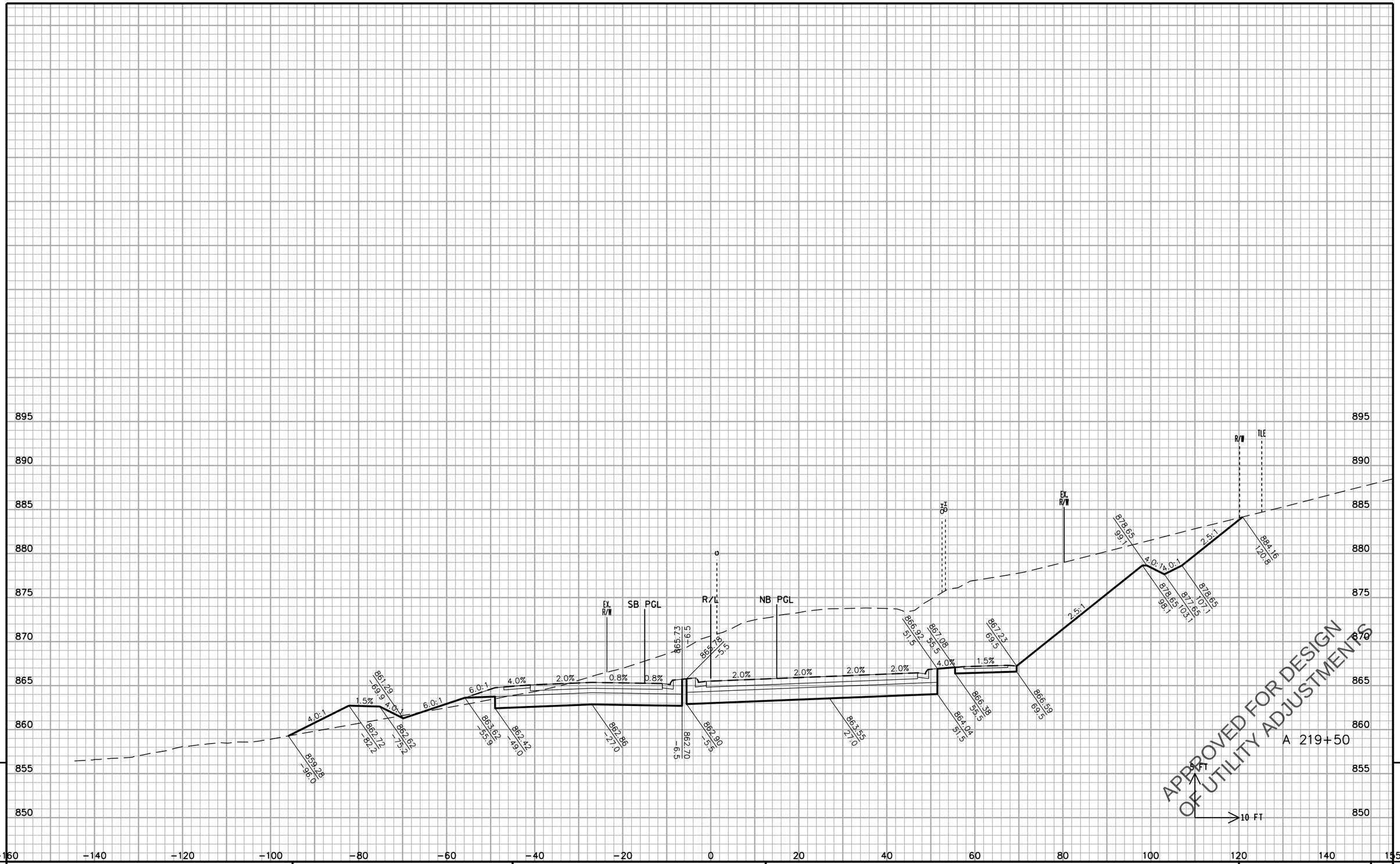
PRE_482



STATE PROJECT NO: 2788-00-71	HWY: USH 18	COUNTY: WAUKESHA	CROSS SECTIONS: WAUKESHA BYPASS	SHEET NO.	E

FILE NAME : F:\BM1-3324 USH 18 Bypass\5_Design\03_Roads\cds\by_090202_XS_WB.dgn PLOT DATE : 11-APR-2016 14:34 PLOT BY : torner PLOT NAME : PLOT SCALE : 20:1

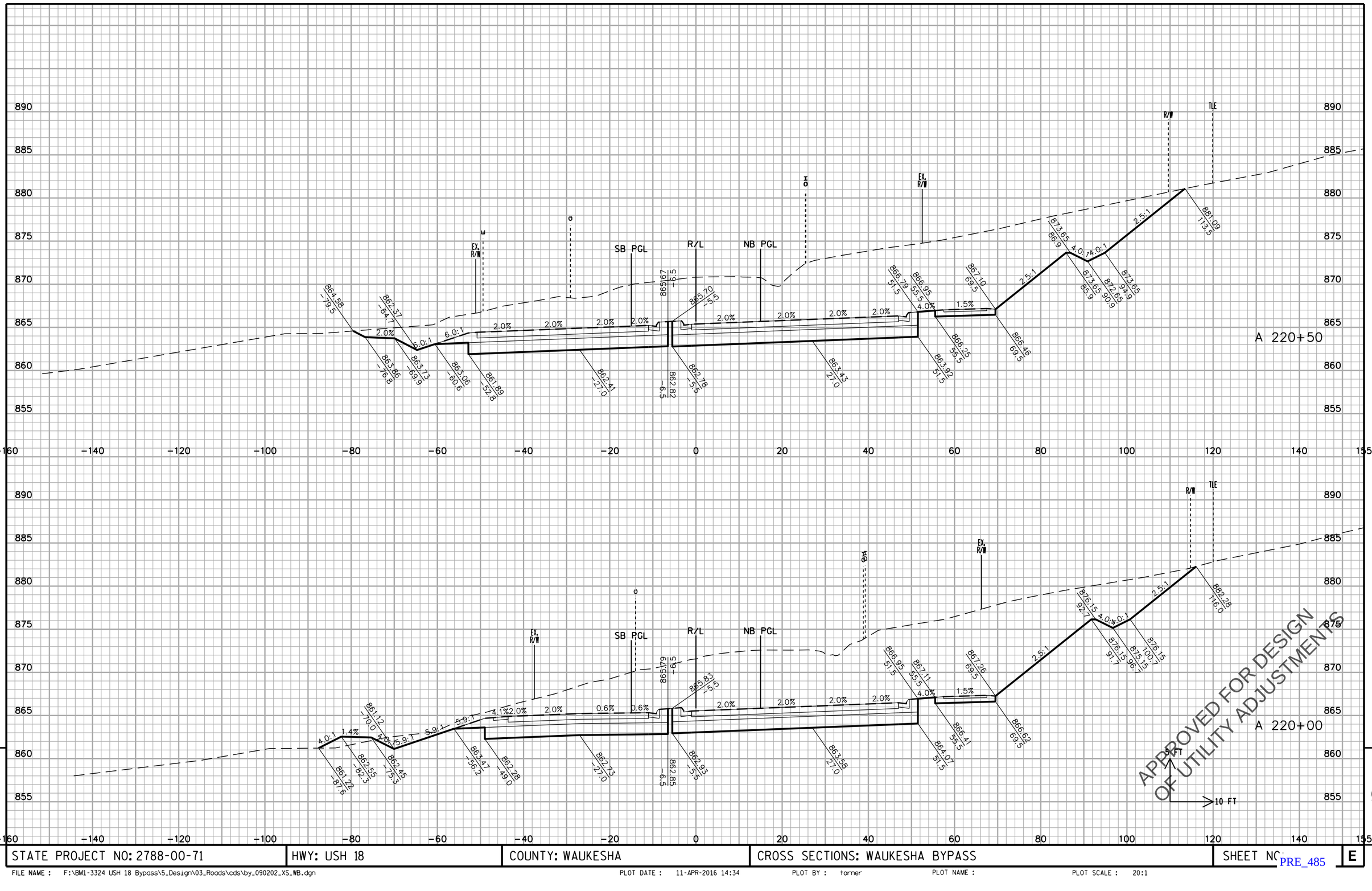
PRE_483



STATE PROJECT NO: 2788-00-71	HWY: USH 18	COUNTY: WAUKESHA	CROSS SECTIONS: WAUKESHA BYPASS	SHEET NO.	E

FILE NAME : F:\BM1-3324 USH 18 Bypass\5_Design\03_Roads\cds\by_090202_XS_WB.dgn PLOT DATE : 11-APR-2016 14:34 PLOT BY : torner PLOT NAME : PLOT SCALE : 20:1

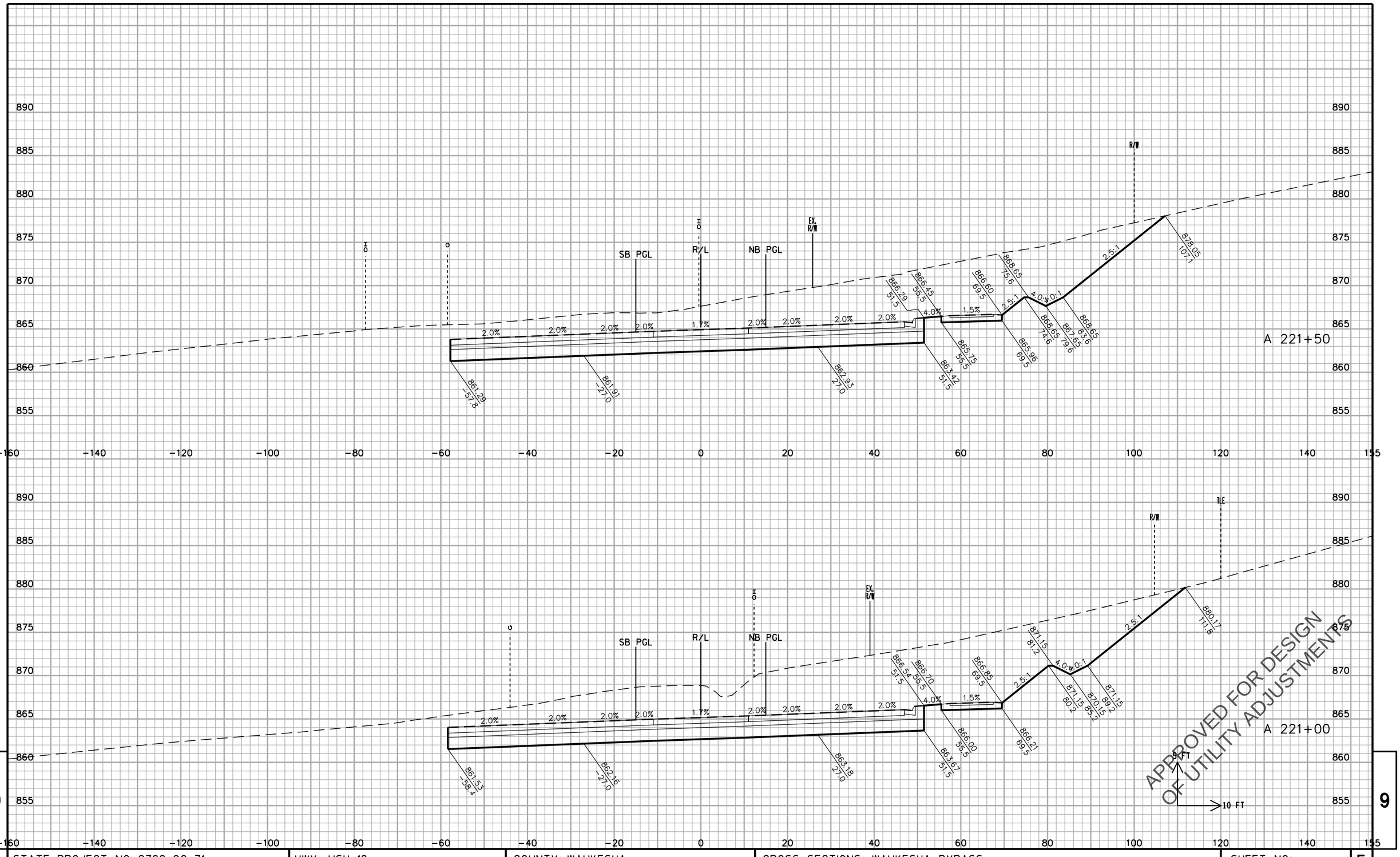
PRE_484



STATE PROJECT NO: 2788-00-71	HWY: USH 18	COUNTY: WAUKESHA	CROSS SECTIONS: WAUKESHA BYPASS	SHEET NO	E

FILE NAME : F:\BM1-3324 USH 18 Bypass\5_Design\03_Roads\cds\by_090202_XS_WB.dgn PLOT DATE : 11-APR-2016 14:34 PLOT BY : torner PLOT NAME : PLOT SCALE : 20:1

PRE_485



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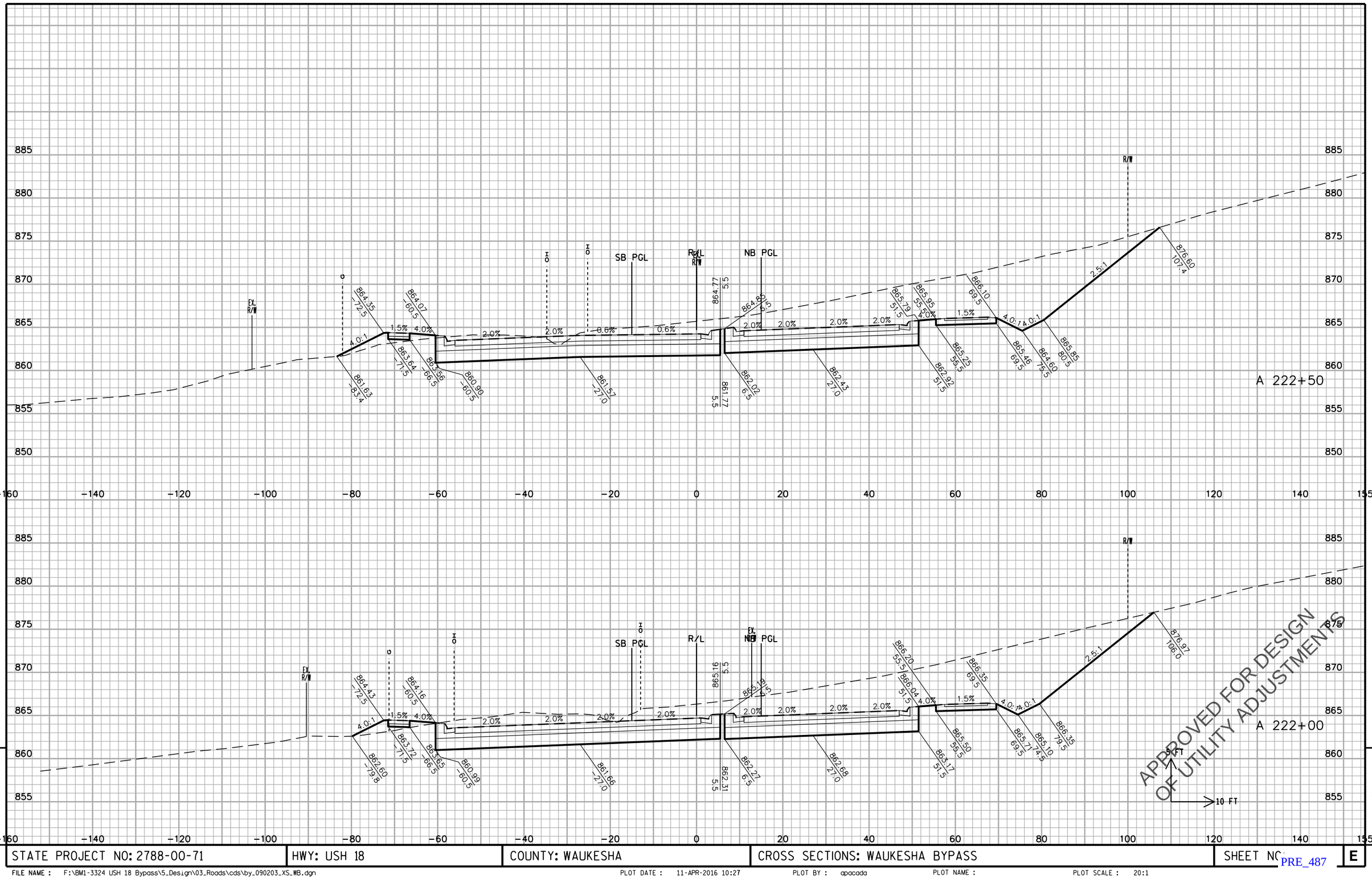
STATE PROJECT NO: 2788-00-71	HWY: USH 18	COUNTY: WAUKESHA	CROSS SECTIONS: WAUKESHA BYPASS	SHEET NO	E

FILE NAME : F:\BM1-3324 USH 18 Bypass\5_Design\03_Roads\cds\by_090203_XS_WB.dgn PLOT DATE : 11-APR-2016 10:27 PLOT BY : apacada PLOT NAME : PLOT SCALE : 20:1

PRE_486

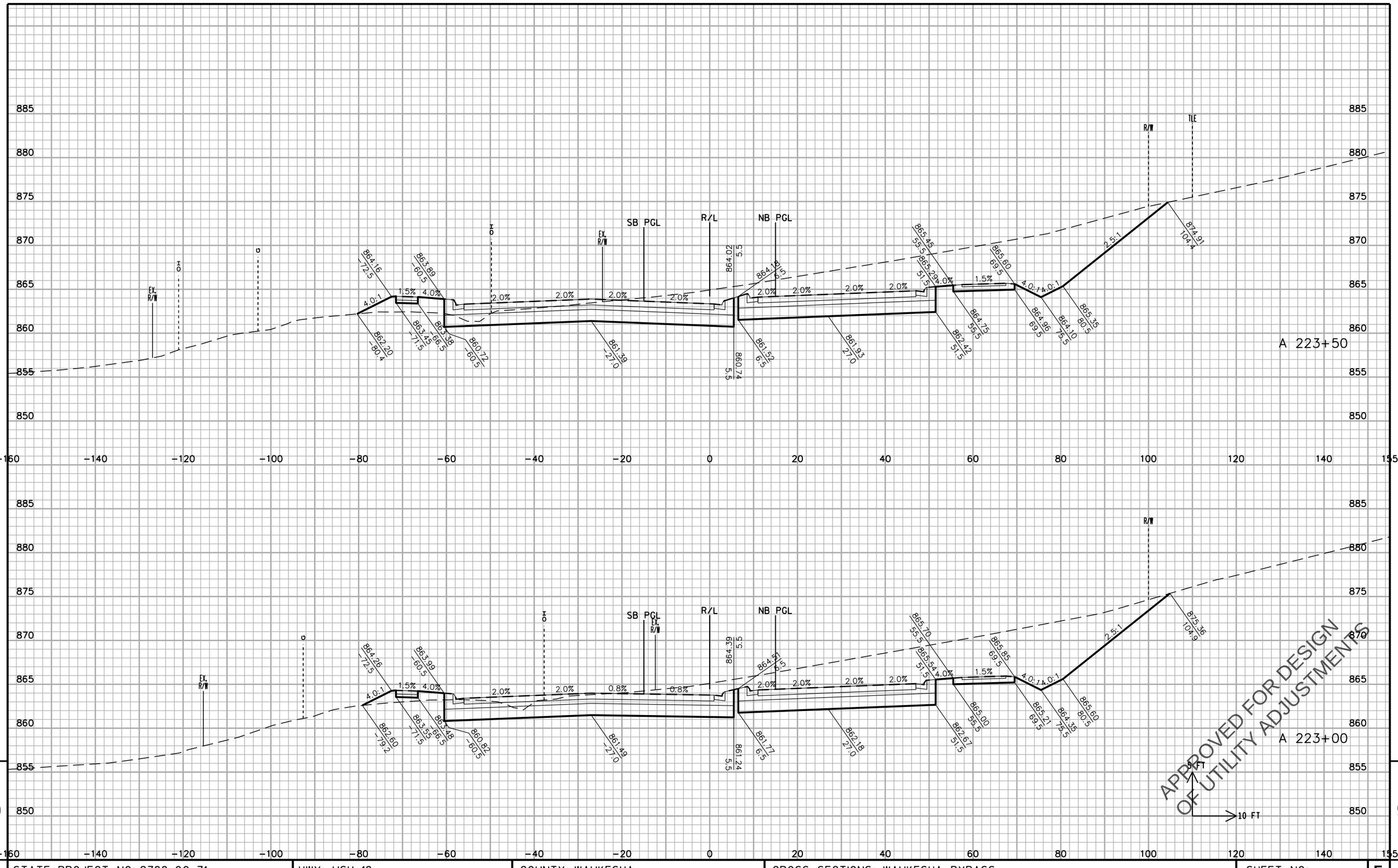
9



STATE PROJECT NO: 2788-00-71	HWY: USH 18	COUNTY: WAUKESHA	CROSS SECTIONS: WAUKESHA BYPASS	SHEET NO.	E

FILE NAME : F:\BM1-3324 USH 18 Bypass\5_Design\03_Roads\cds\by_090203_XS_WB.dgn PLOT DATE : 11-APR-2016 10:27 PLOT BY : apacada PLOT NAME : PLOT SCALE : 20:1

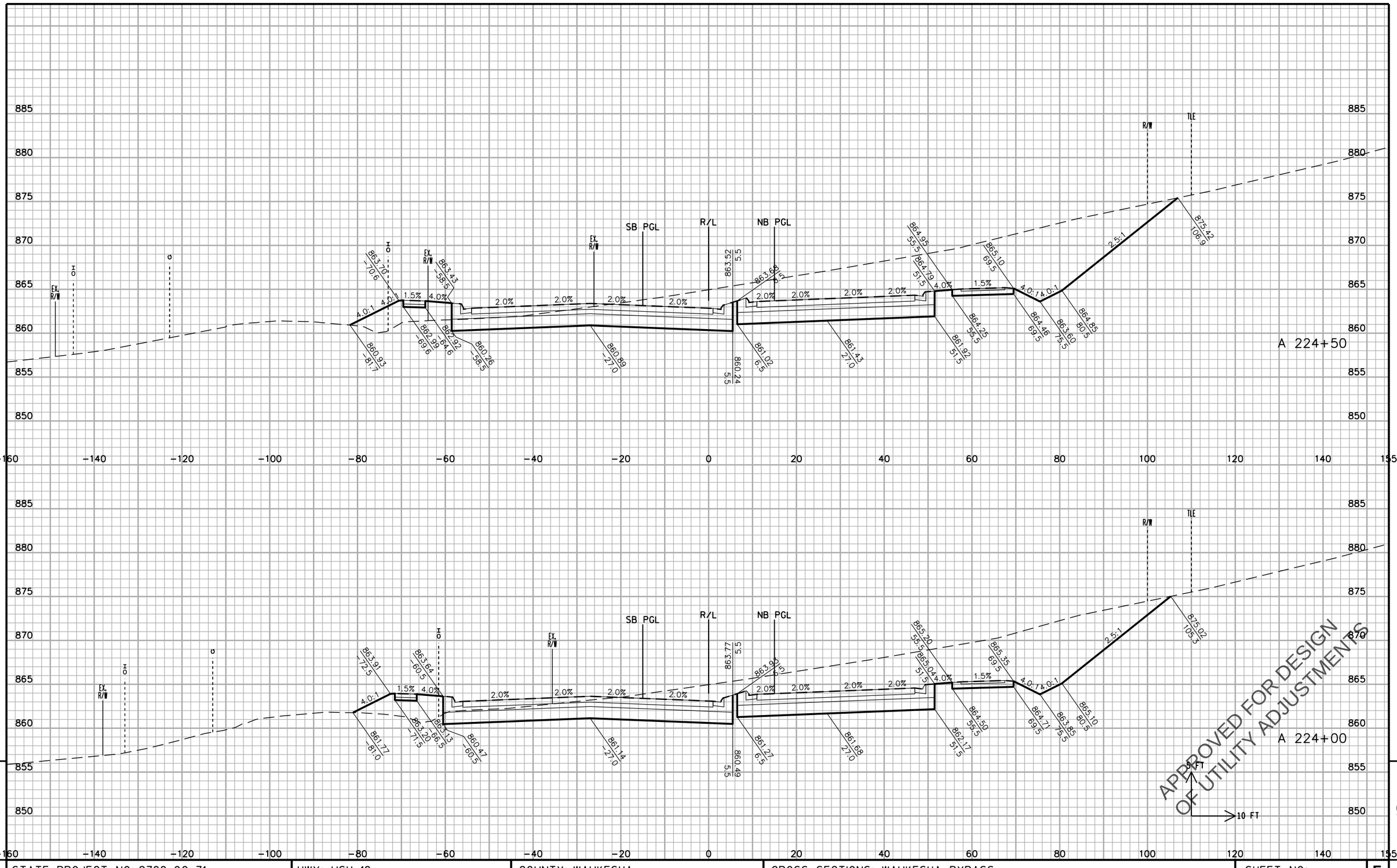
PRE_487



STATE PROJECT NO: 2788-00-71	HWY: USH 18	COUNTY: WAUKESHA	CROSS SECTIONS: WAUKESHA BYPASS	SHEET NO	E

FILE NAME : F:\BM1-3324 USH 18 Bypass\5_Design\03_Roads\cds\by_090203_XS_WB.dgn PLOT DATE : 11-APR-2016 10:27 PLOT BY : apacada PLOT NAME : PLOT SCALE : 20:1

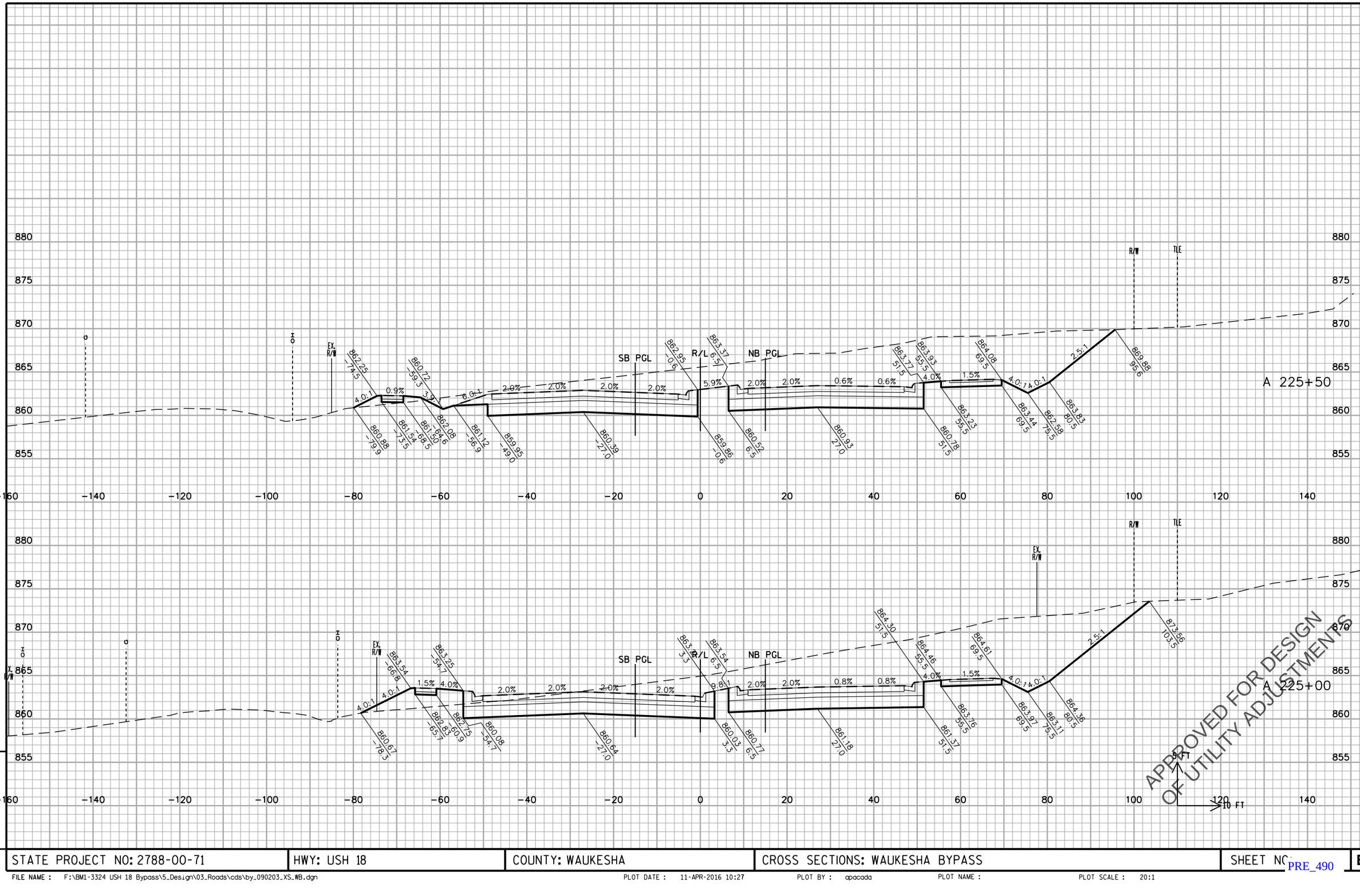
PRE_488



STATE PROJECT NO: 2788-00-71	HWY: USH 18	COUNTY: WAUKESHA	CROSS SECTIONS: WAUKESHA BYPASS	SHEET NO	E

FILE NAME : F:\BM1-3324 USH 18 Bypass\5_Design\03_Roads\cds\by_090203_XS_WB.dgn PLOT DATE : 11-APR-2016 10:27 PLOT BY : apacada PLOT NAME : PLOT SCALE : 20:1

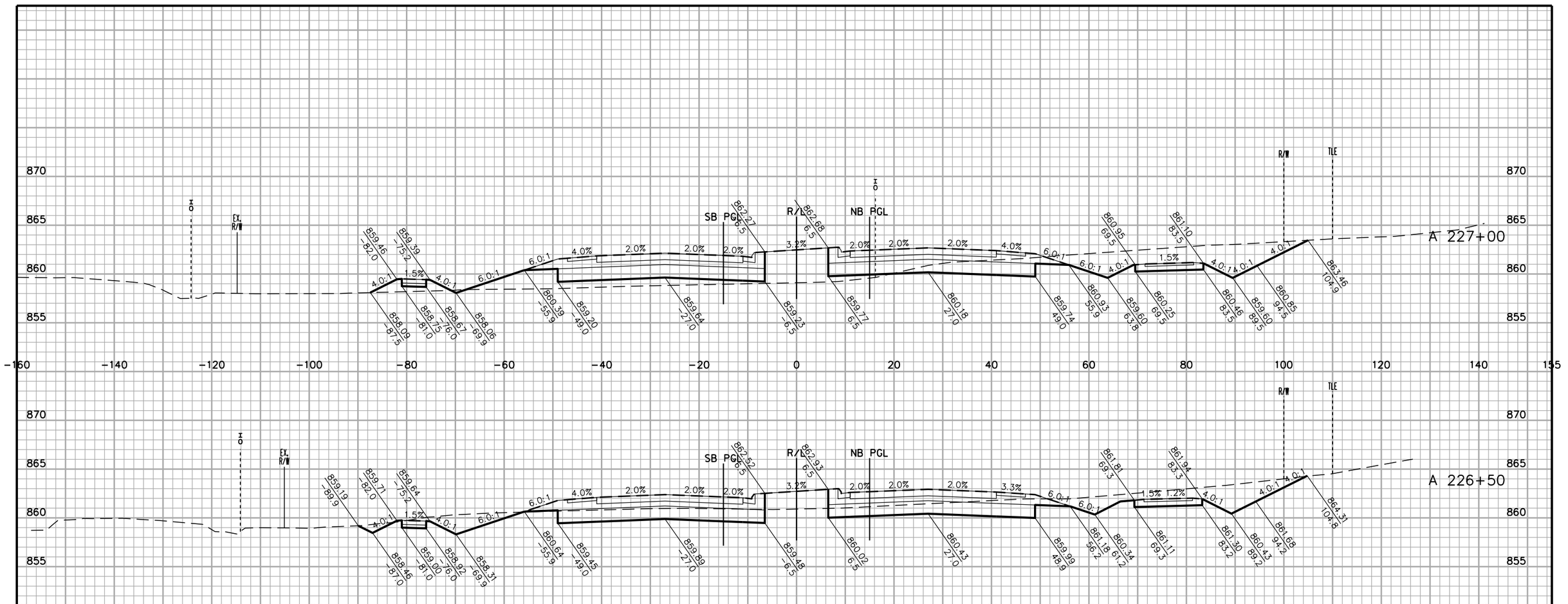
PRE_489



STATE PROJECT NO: 2788-00-71	HWY: USH 18	COUNTY: WAUKESHA	CROSS SECTIONS: WAUKESHA BYPASS	SHEET NO.	E

FILE NAME : F:\BM1-3324 USH 18 Bypass\5_Design\03_Roads\cds\by_090203_XS_WB.dgn PLOT DATE : 11-APR-2016 10:27 PLOT BY : apacada PLOT NAME : PLOT SCALE : 20:1

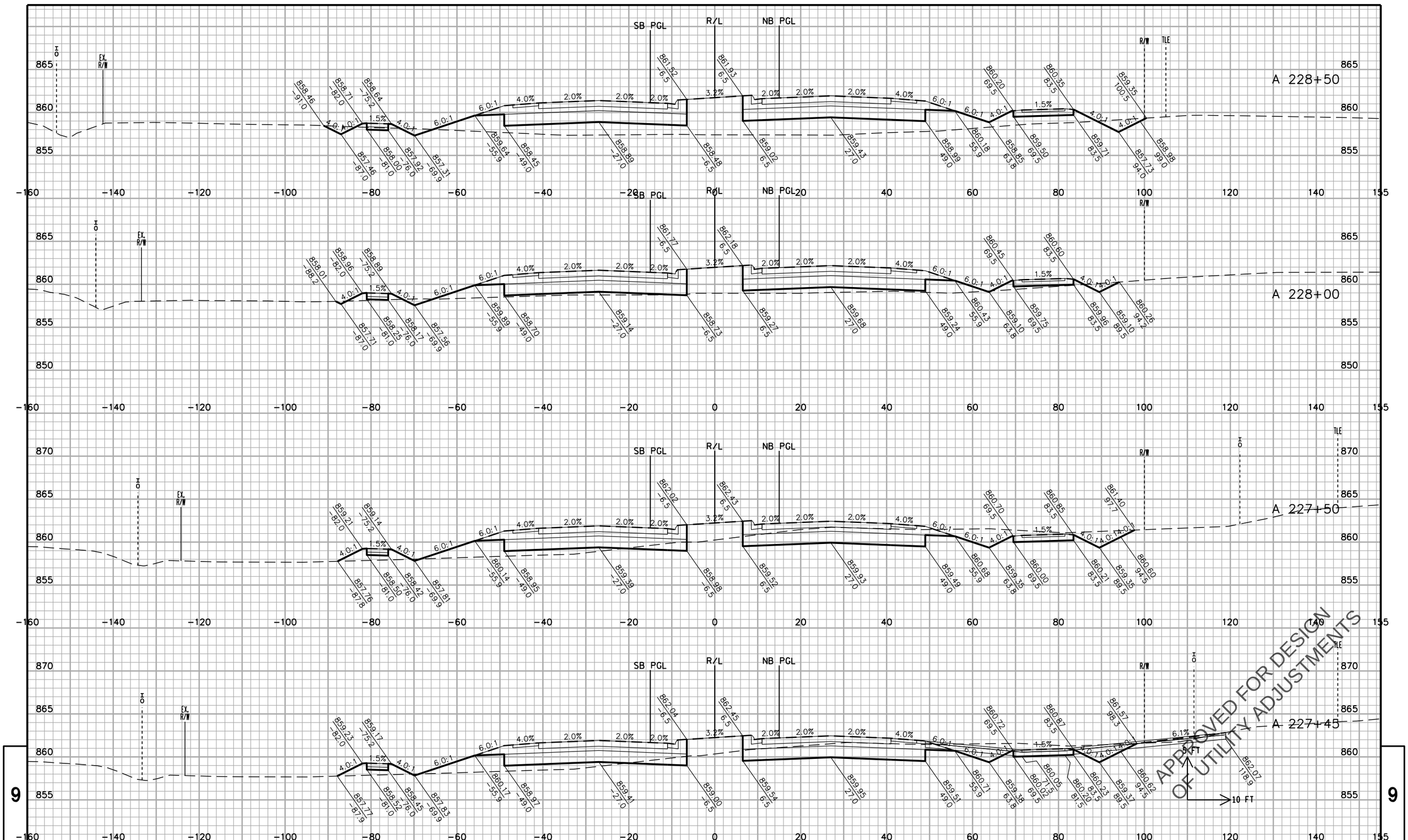
PRE_490



STATE PROJECT NO: 2788-00-71	HWY: USH 18	COUNTY: WAUKESHA	CROSS SECTIONS: WAUKESHA BYPASS	SHEET NO.	E

PRE_491

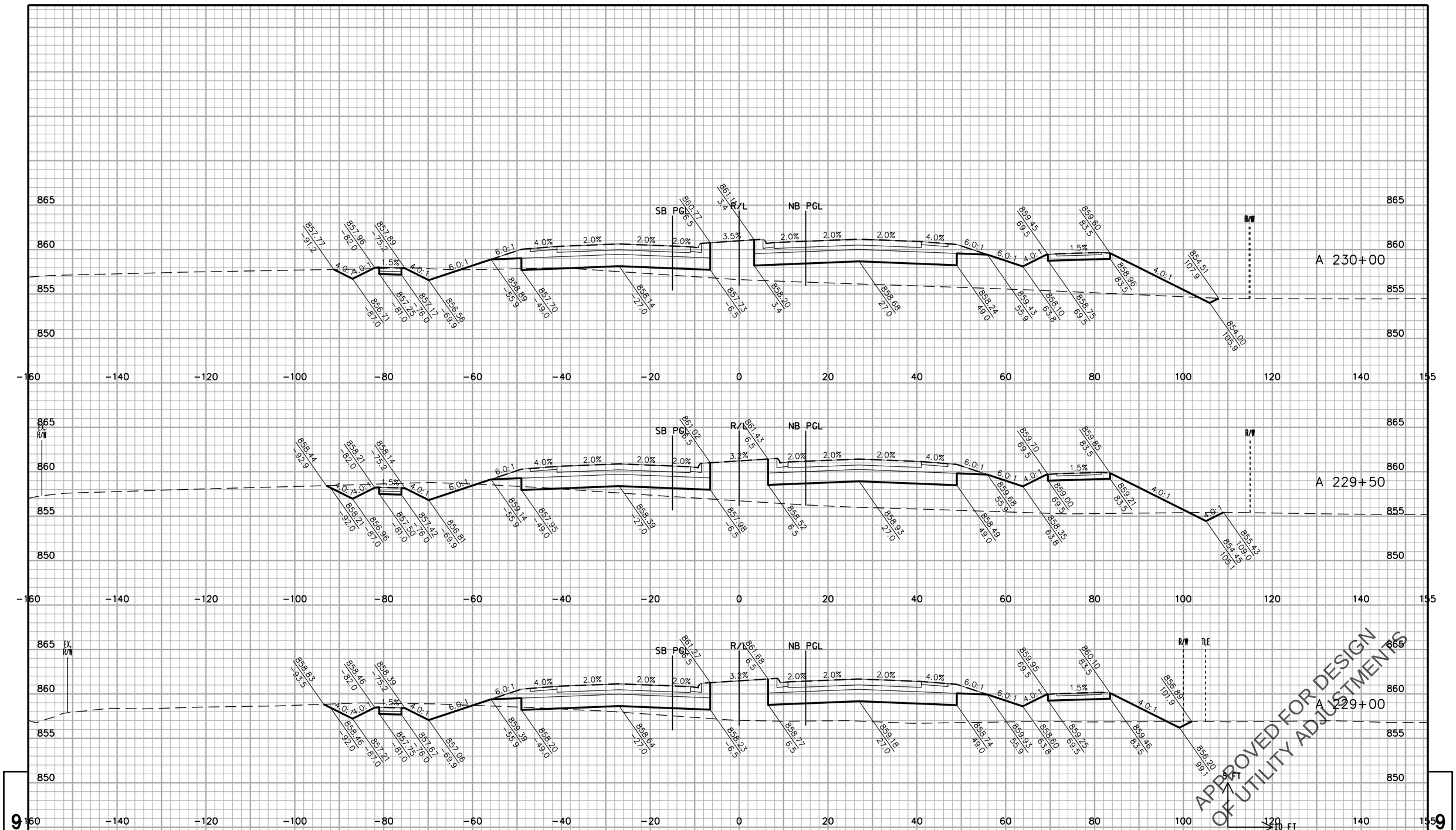
FILE NAME : F:\BM1-3324 USH 18 Bypass\5_Design\03_Roads\cds\by_090203_XS_WB.dgn PLOT DATE : 11-APR-2016 10:27 PLOT BY : apacada PLOT NAME : PLOT SCALE : 20:1



STATE PROJECT NO: 2788-00-71	HWY: USH 18	COUNTY: WAUKESHA	CROSS SECTIONS: WAUKESHA BYPASS	SHEET NO.	E

FILE NAME : F:\BM1-3324 USH 18 Bypass\5_Design\03_Roads\cds\by_090203_XS_WB.dgn PLOT DATE : 11-APR-2016 10:27 PLOT BY : apacada PLOT NAME : PLOT SCALE : 20:1

PRE_492



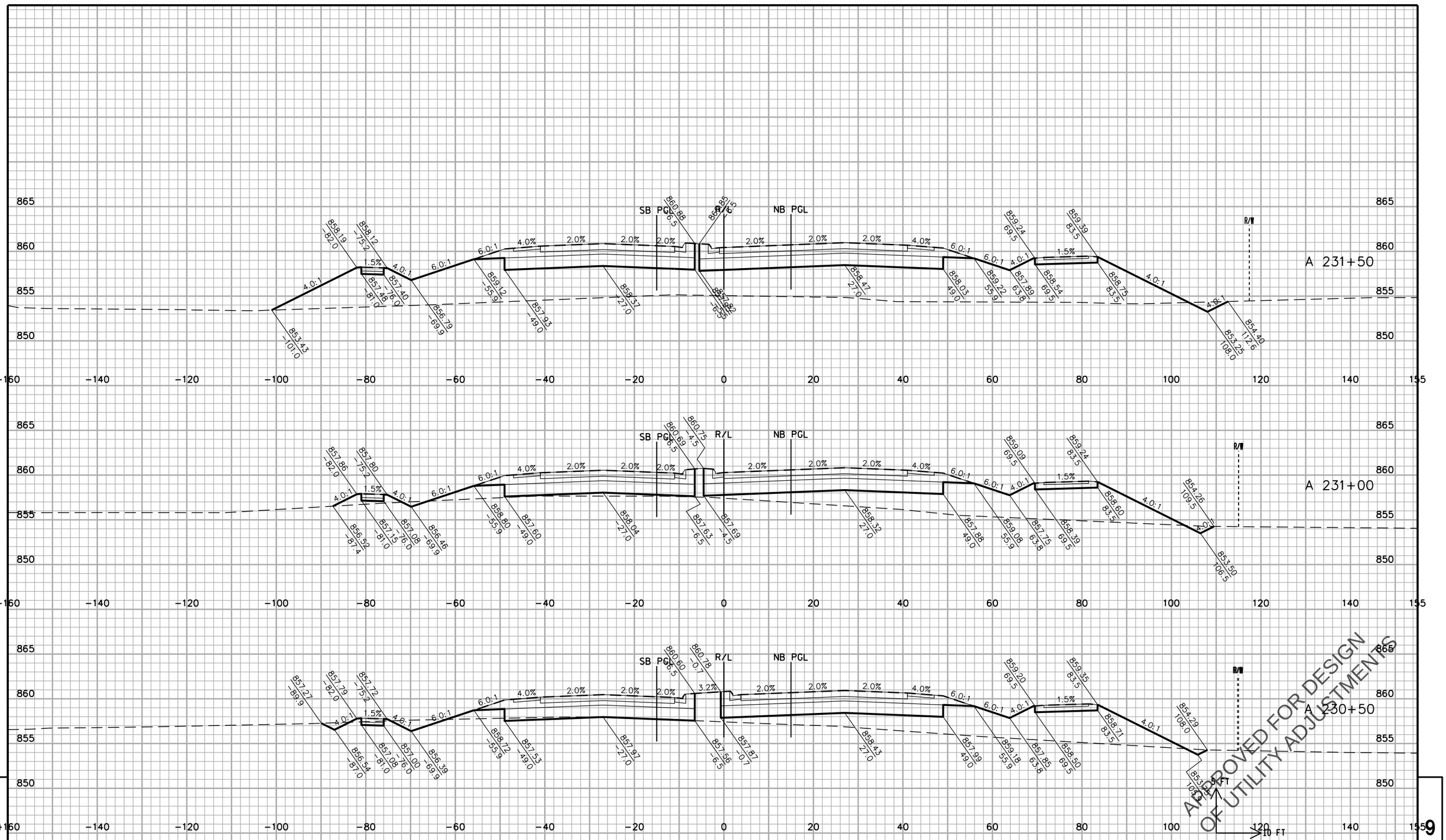
APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS

9

STATE PROJECT NO: 2788-00-71	HWY: USH 18	COUNTY: WAUKESHA	CROSS SECTIONS: WAUKESHA BYPASS	SHEET NO.	E

FILE NAME : F:\BM1-3324 USH 18 Bypass\5_Design\03_Roads\cds\by_090203_XS_WB.dgn PLOT DATE : 11-APR-2016 10:27 PLOT BY : apacada PLOT NAME : PLOT SCALE : 20:1

PRE_493



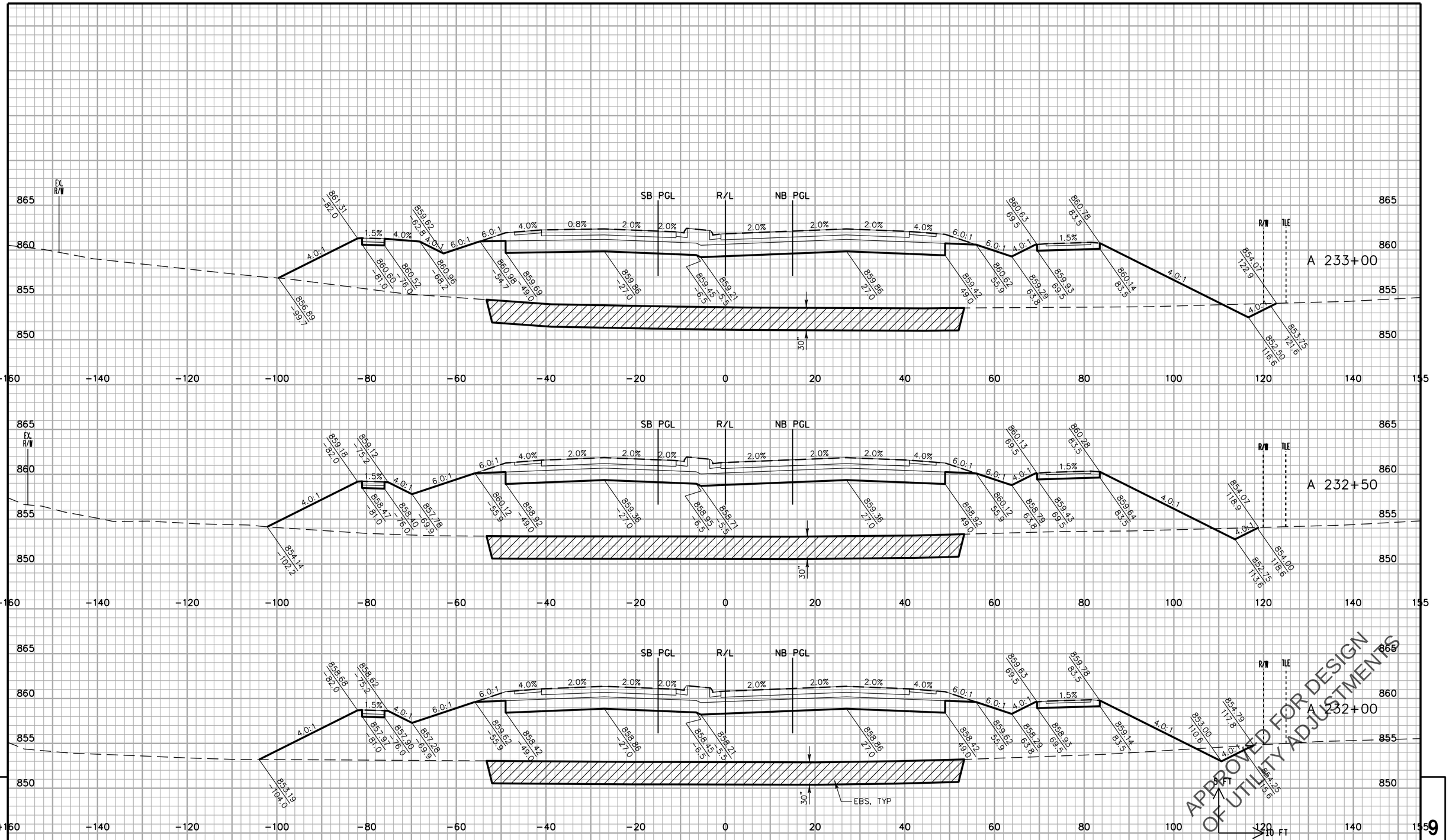
APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS

9

STATE PROJECT NO: 2788-00-71	HWY: USH 18	COUNTY: WAUKESHA	CROSS SECTIONS: WAUKESHA BYPASS	SHEET NO.	E

FILE NAME : F:\BM1-3324 USH 18 Bypass\5_Design\03_Roads\cds\by_090203_XS_WB.dgn PLOT DATE : 11-APR-2016 10:27 PLOT BY : apacada PLOT NAME : PLOT SCALE : 20:1

PRE_494



STATE PROJECT NO: 2788-00-71	HWY: USH 18	COUNTY: WAUKESHA	CROSS SECTIONS: WAUKESHA BYPASS	SHEET NO	E

FILE NAME : F:\BM1-3324 USH 18 Bypass\5_Design\03_Roads\cds\by_090203_XS_WB.dgn PLOT DATE : 11-APR-2016 10:27 PLOT BY : apacada PLOT NAME : PLOT SCALE : 20:1

PRE_495

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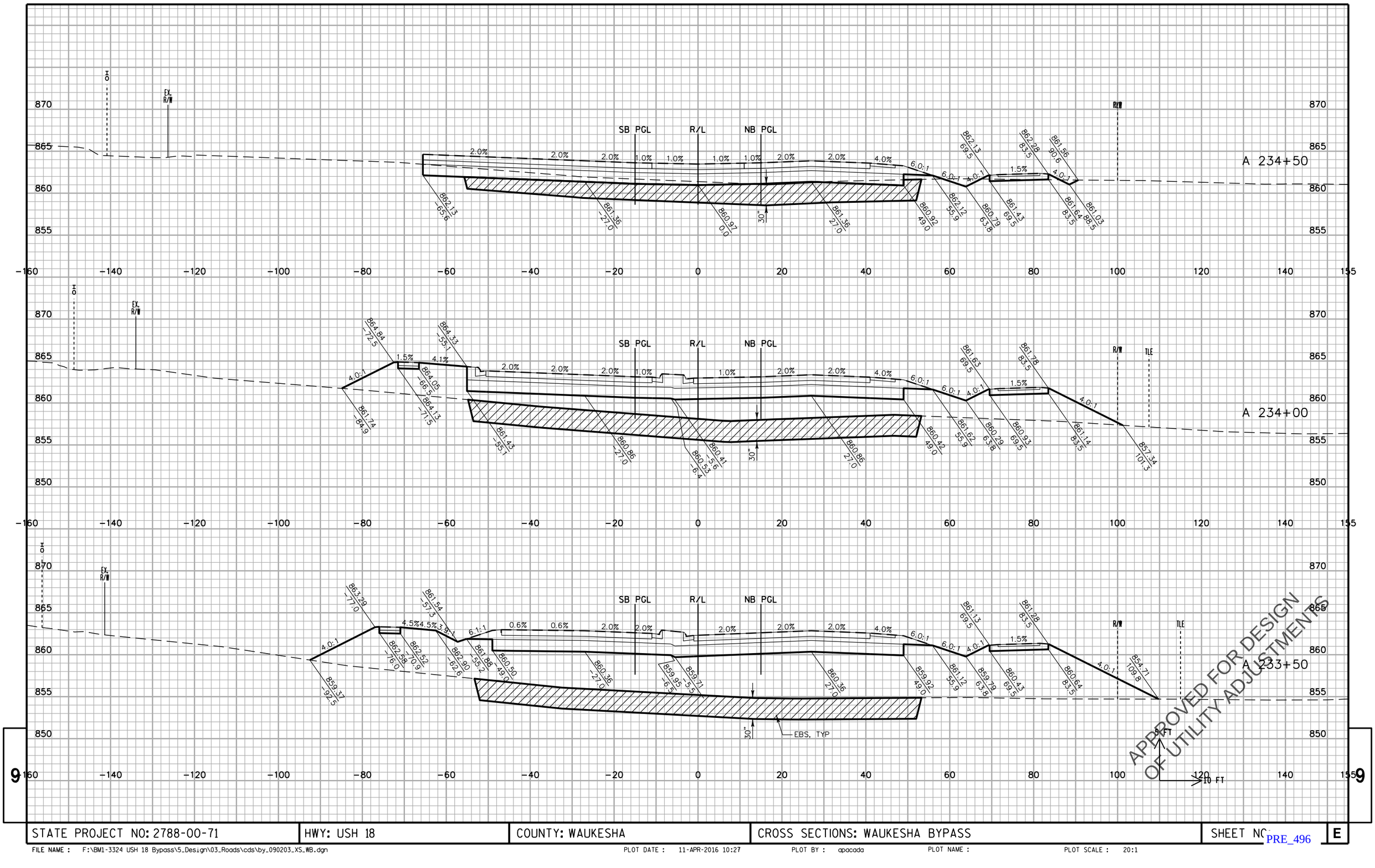
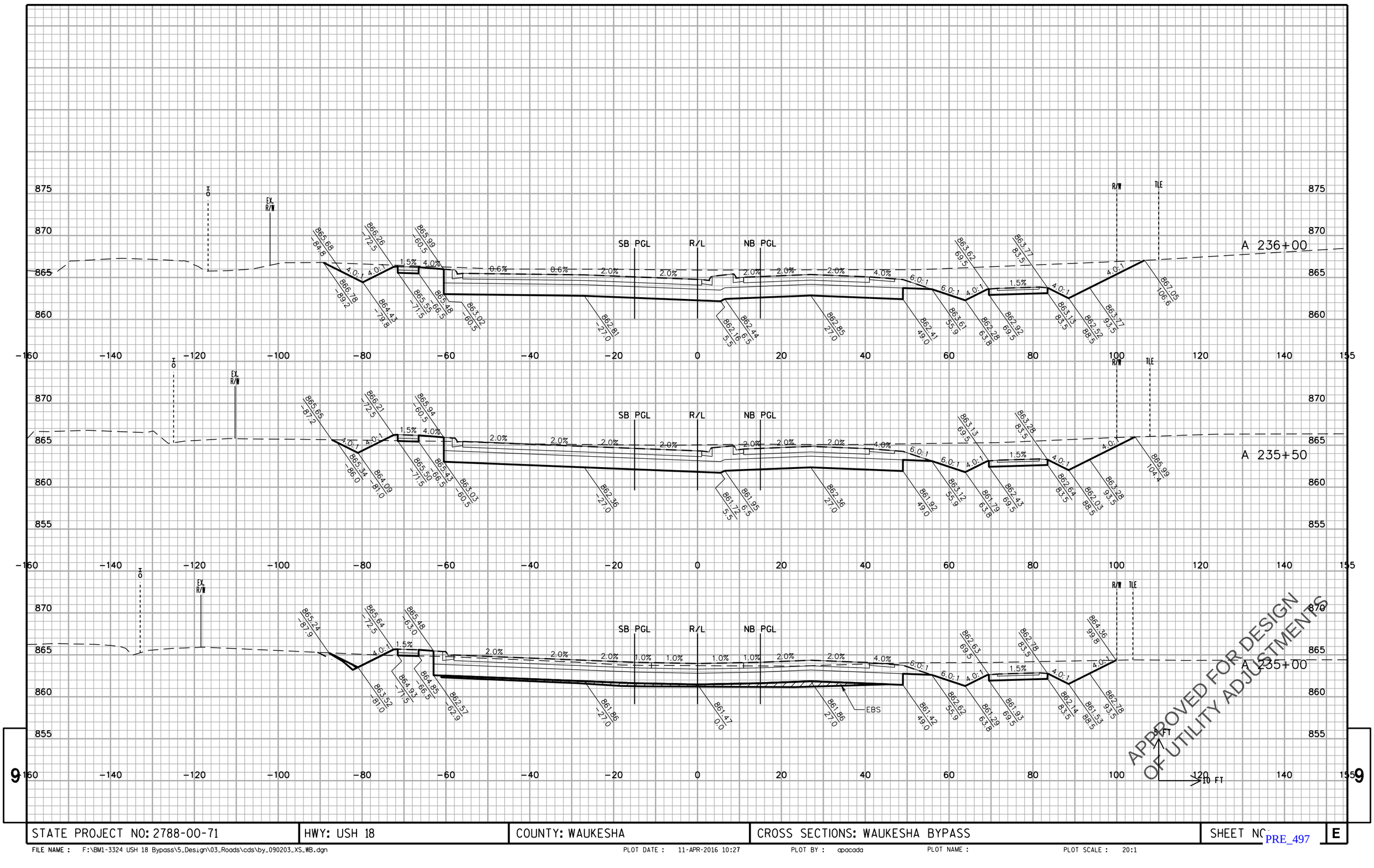


STATE PROJECT NO: 2788-00-71	HWY: USH 18	COUNTY: WAUKESHA	CROSS SECTIONS: WAUKESHA BYPASS	SHEET NO.	E

FILE NAME : F:\BM1-3324 USH 18 Bypass\5_Design\03_Roads\cds\by_090203_XS_WB.dgn PLOT DATE : 11-APR-2016 10:27 PLOT BY : apacada PLOT NAME : PLOT SCALE : 20:1

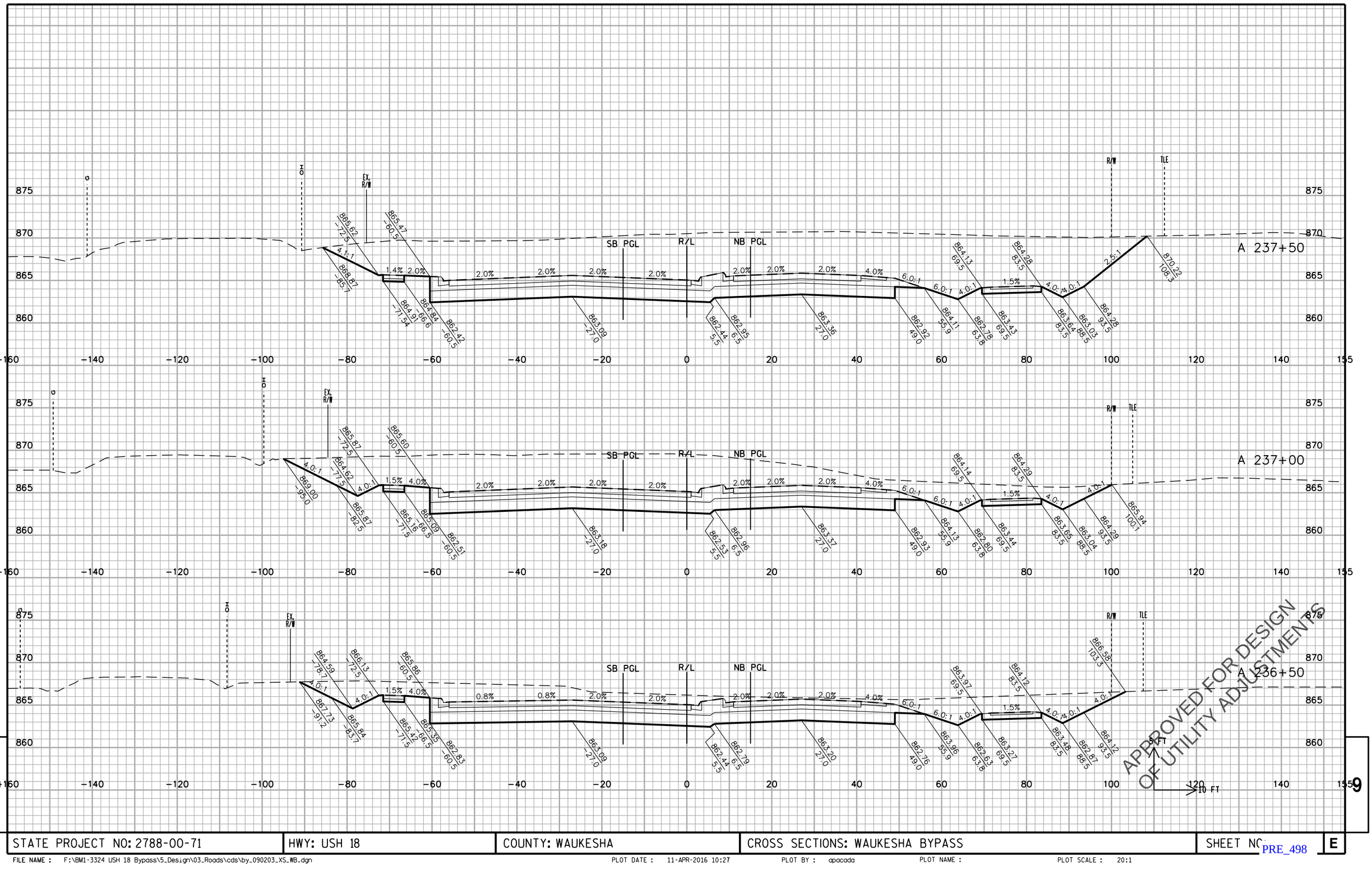
PRE_496



STATE PROJECT NO: 2788-00-71	HWY: USH 18	COUNTY: WAUKESHA	CROSS SECTIONS: WAUKESHA BYPASS	SHEET NO.	E

FILE NAME : F:\BM1-3324 USH 18 Bypass\5_Design\03_Roads\cds\by_090203_XS_WB.dgn PLOT DATE : 11-APR-2016 10:27 PLOT BY : apacada PLOT NAME : PLOT SCALE : 20:1

PRE_497

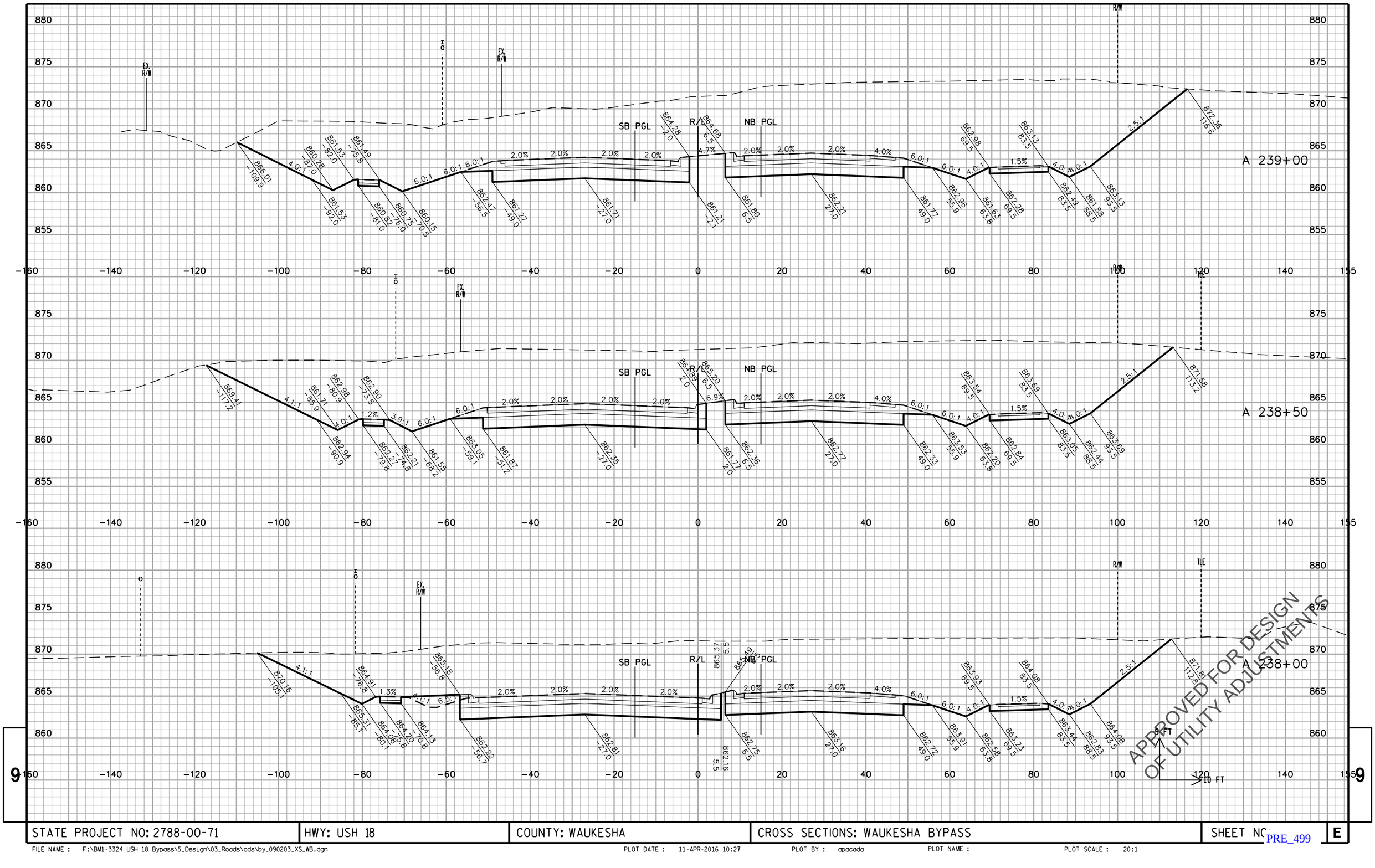


APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS

STATE PROJECT NO: 2788-00-71	HWY: USH 18	COUNTY: WAUKESHA	CROSS SECTIONS: WAUKESHA BYPASS	SHEET NO.	E

FILE NAME : F:\BM1-3324 USH 18 Bypass\5_Design\03_Roads\cds\by_090203_XS_WB.dgn PLOT DATE : 11-APR-2016 10:27 PLOT BY : apacada PLOT NAME : PLOT SCALE : 20:1

PRE_498

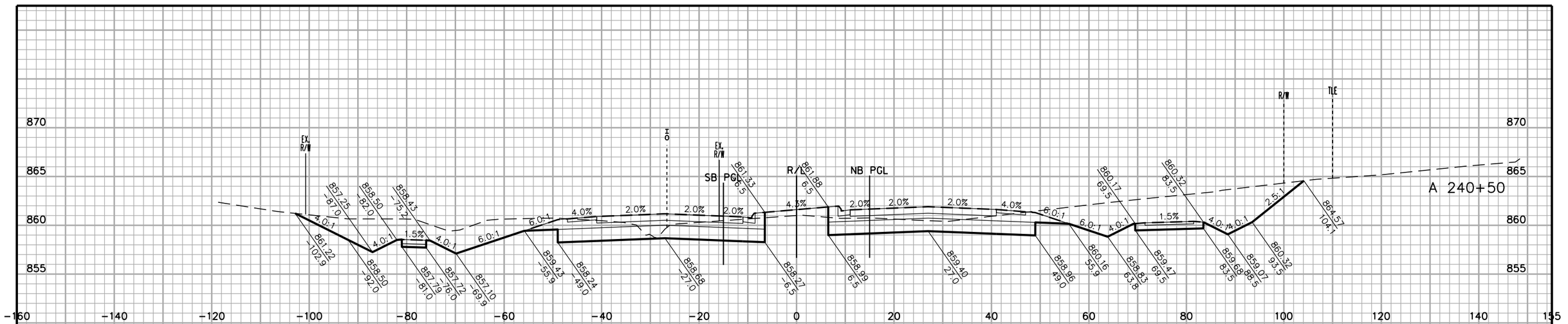


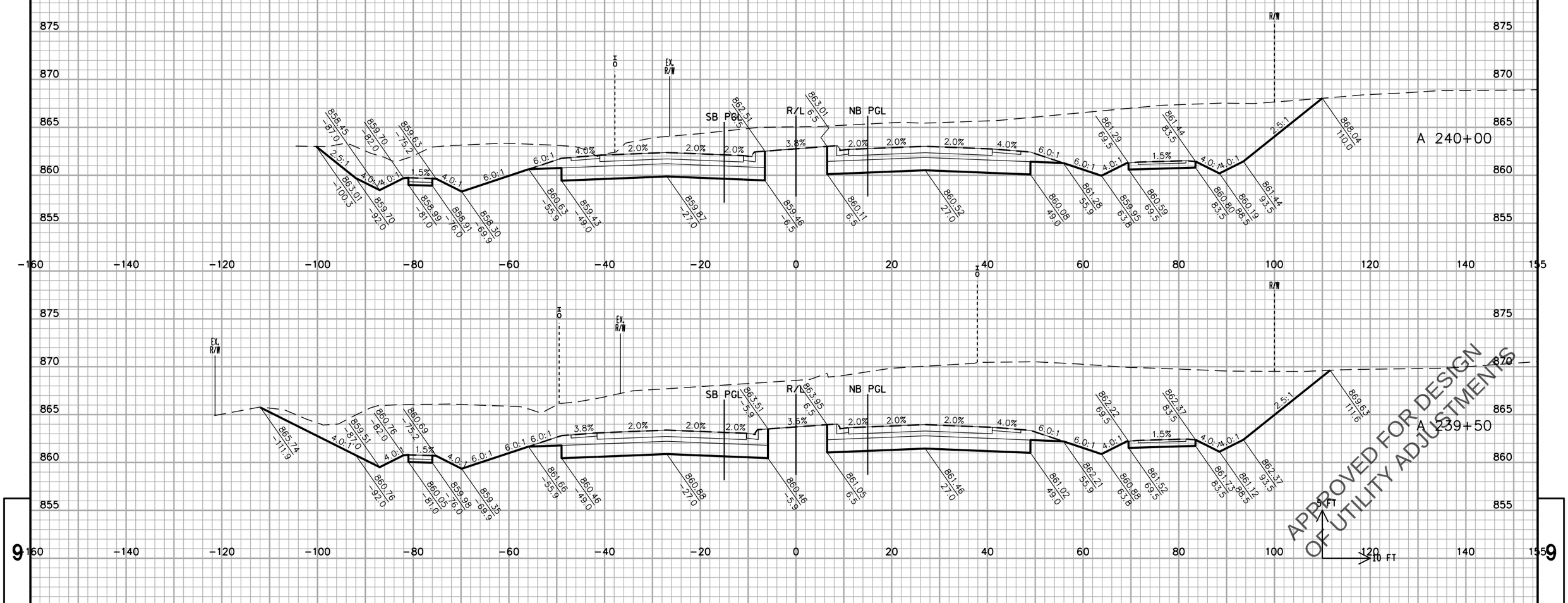
APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS

STATE PROJECT NO: 2788-00-71	HWY: USH 18	COUNTY: WAUKESHA	CROSS SECTIONS: WAUKESHA BYPASS	SHEET NO.	E

FILE NAME : F:\BM1-3324 USH 18 Bypass\5_Design\03_Roads\cds\by_090203_XS_WB.dgn PLOT DATE : 11-APR-2016 10:27 PLOT BY : apacada PLOT NAME : PLOT SCALE : 20:1

PRE_499

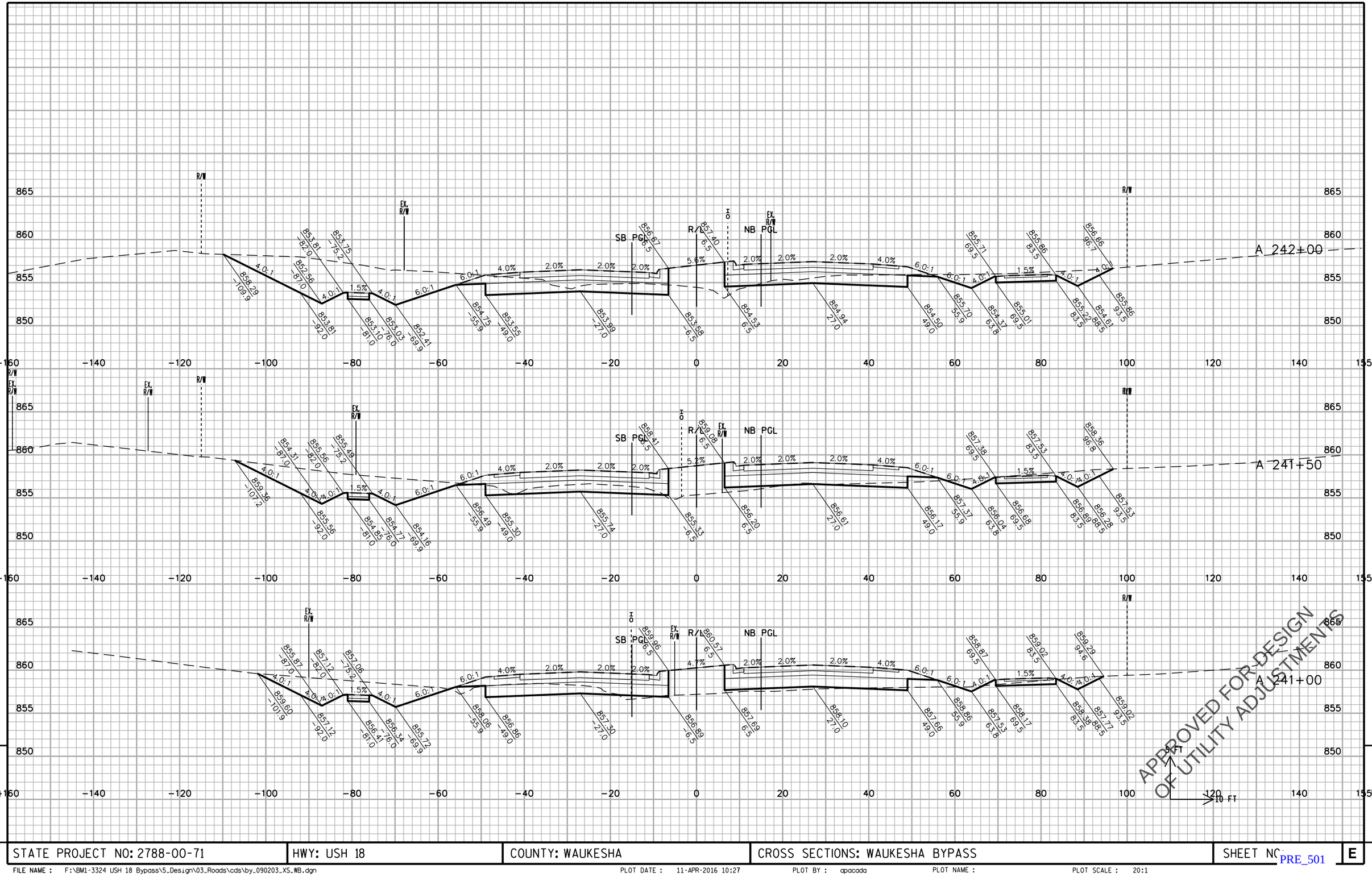




STATE PROJECT NO: 2788-00-71	HWY: USH 18	COUNTY: WAUKESHA	CROSS SECTIONS: WAUKESHA BYPASS	SHEET NO.	E

FILE NAME : F:\BM1-3324 USH 18 Bypass\5_Design\03_Roads\cds\by_090203_XS_WB.dgn PLOT DATE : 11-APR-2016 10:27 PLOT BY : apacada PLOT NAME : PLOT SCALE : 20:1

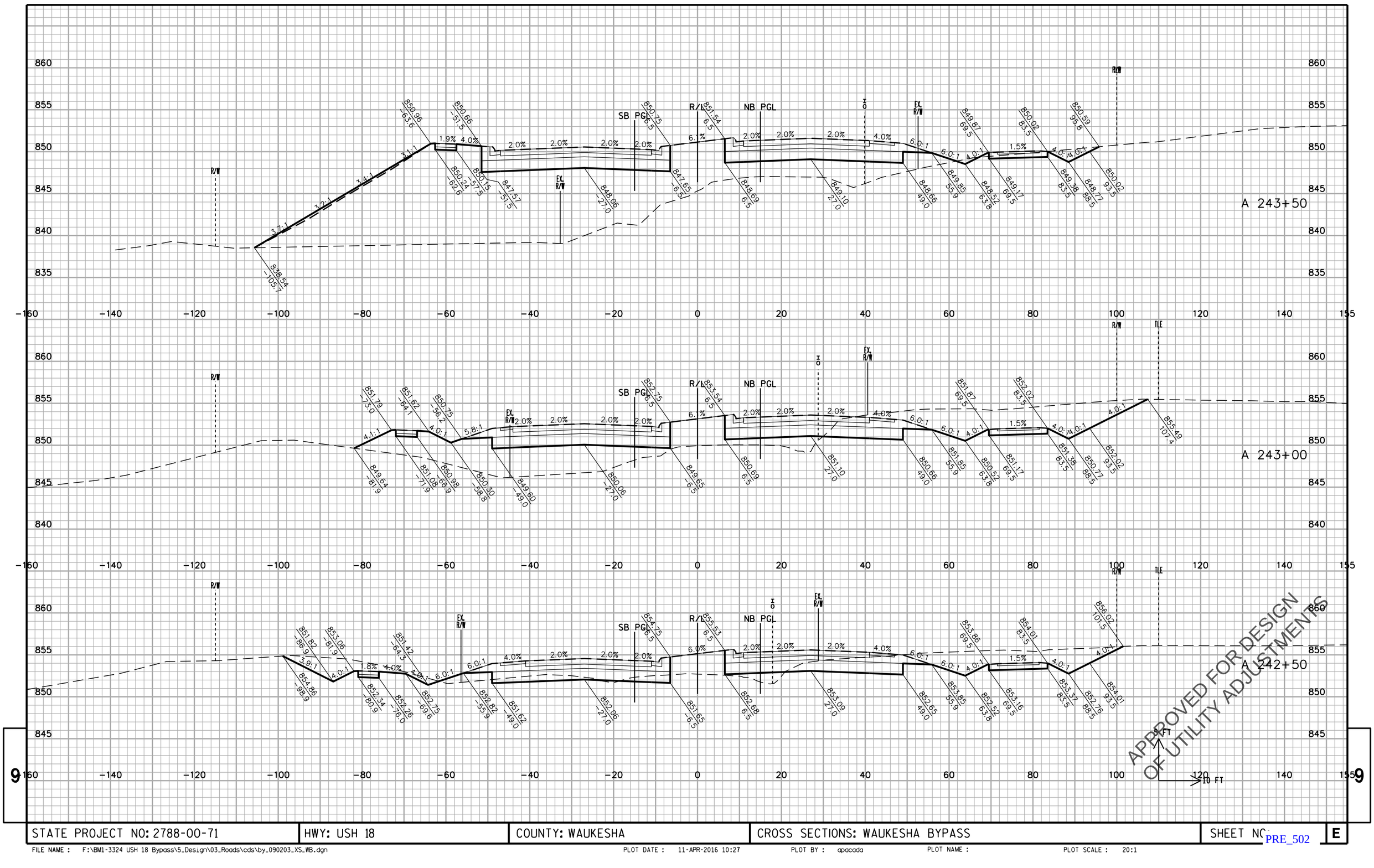
PRE_500



STATE PROJECT NO: 2788-00-71	HWY: USH 18	COUNTY: WAUKESHA	CROSS SECTIONS: WAUKESHA BYPASS	SHEET NO.	E

FILE NAME : F:\BM1-3324 USH 18 Bypass\5_Design\03_Roads\cds\by_090203_XS_WB.dgn PLOT DATE : 11-APR-2016 10:27 PLOT BY : apacada PLOT NAME : PLOT SCALE : 20:1

PRE_501



STATE PROJECT NO: 2788-00-71	HWY: USH 18	COUNTY: WAUKESHA	CROSS SECTIONS: WAUKESHA BYPASS	SHEET NO.	E

FILE NAME : F:\BM1-3324 USH 18 Bypass\5_Design\03_Roads\cds\by_090203_XS_WB.dgn PLOT DATE : 11-APR-2016 10:27 PLOT BY : apacada PLOT NAME : PLOT SCALE : 20:1

PRE_502

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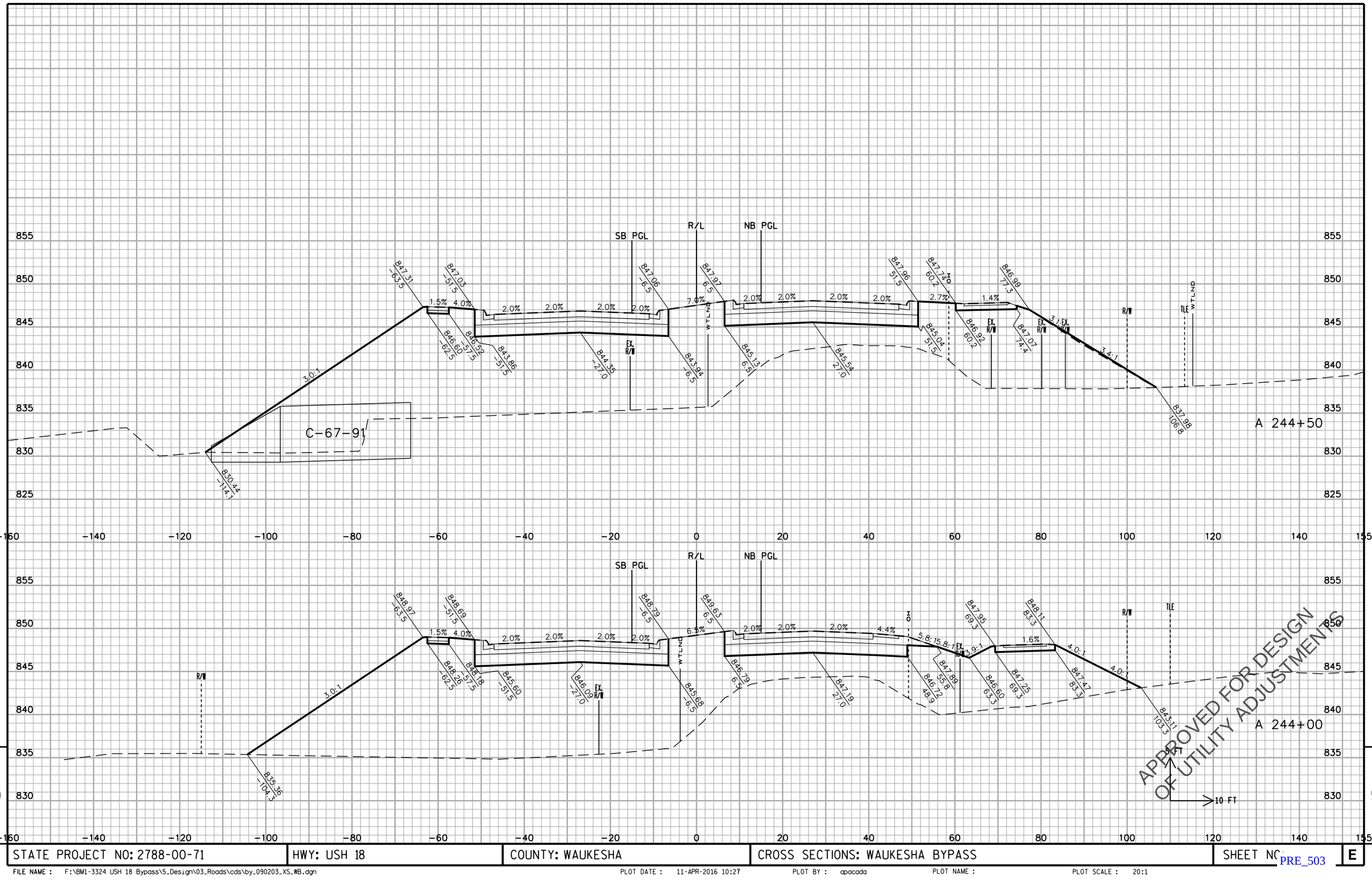
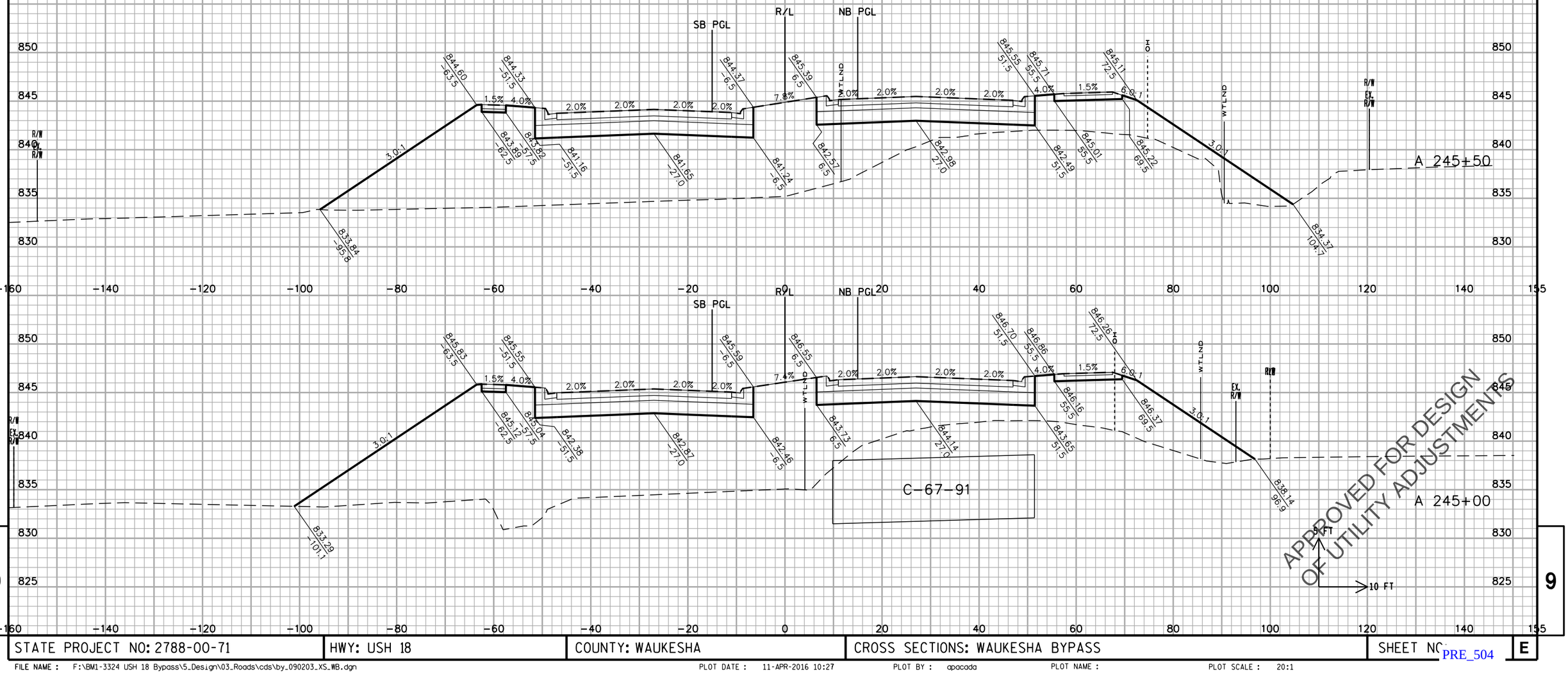


STATE PROJECT NO: 2788-00-71	HWY: USH 18	COUNTY: WAUKESHA	CROSS SECTIONS: WAUKESHA BYPASS	SHEET NO.	E

FILE NAME : F:\BM1-3324 USH 18 Bypass\5_Design\03_Roads\cds\by_090203_XS_WB.dgn PLOT DATE : 11-APR-2016 10:27 PLOT BY : apacada PLOT NAME : PLOT SCALE : 20:1

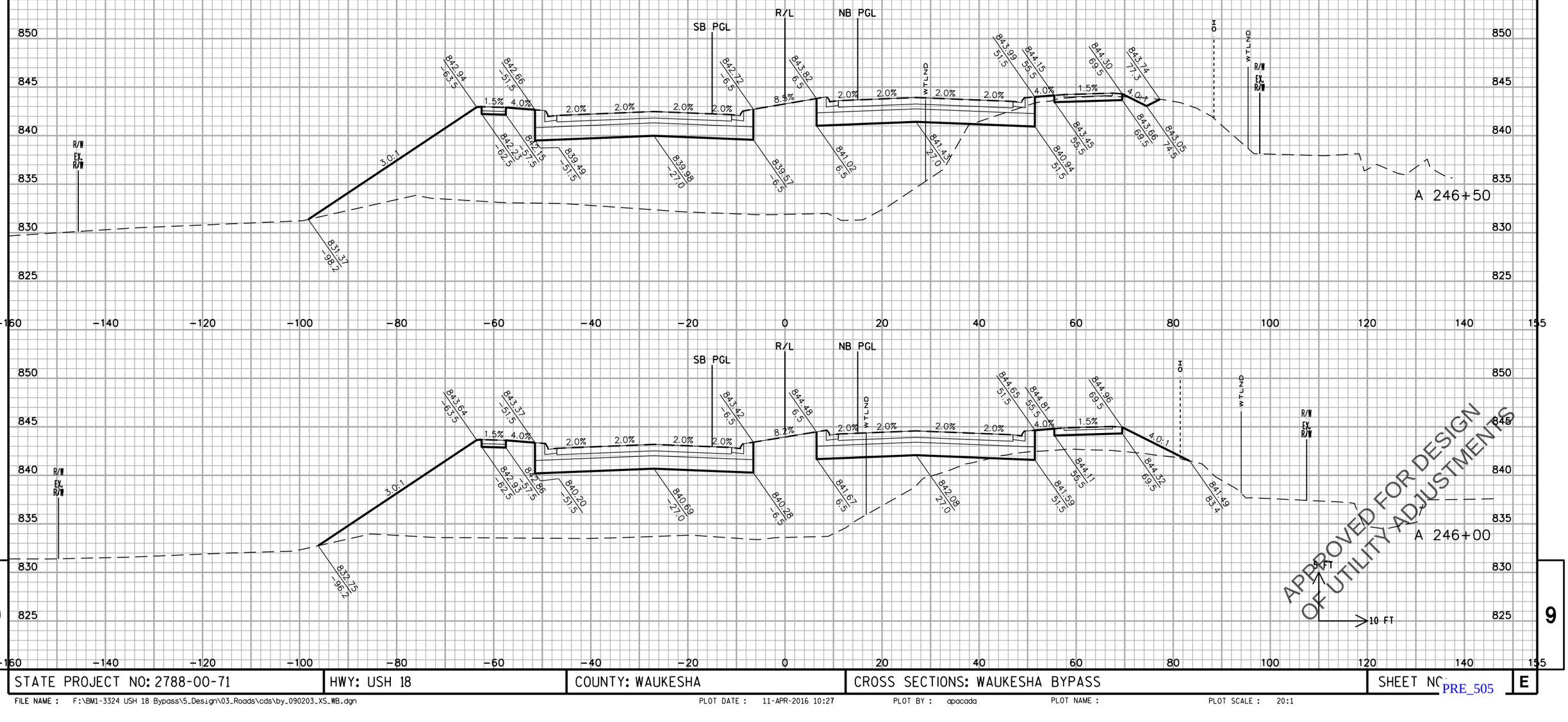
PRE_503



STATE PROJECT NO: 2788-00-71	HWY: USH 18	COUNTY: WAUKESHA	CROSS SECTIONS: WAUKESHA BYPASS	SHEET NO.	E

FILE NAME : F:\BM1-3324 USH 18 Bypass\5_Design\03_Roads\cds\by_090203_XS_WB.dgn PLOT DATE : 11-APR-2016 10:27 PLOT BY : apacada PLOT NAME : PLOT SCALE : 20:1

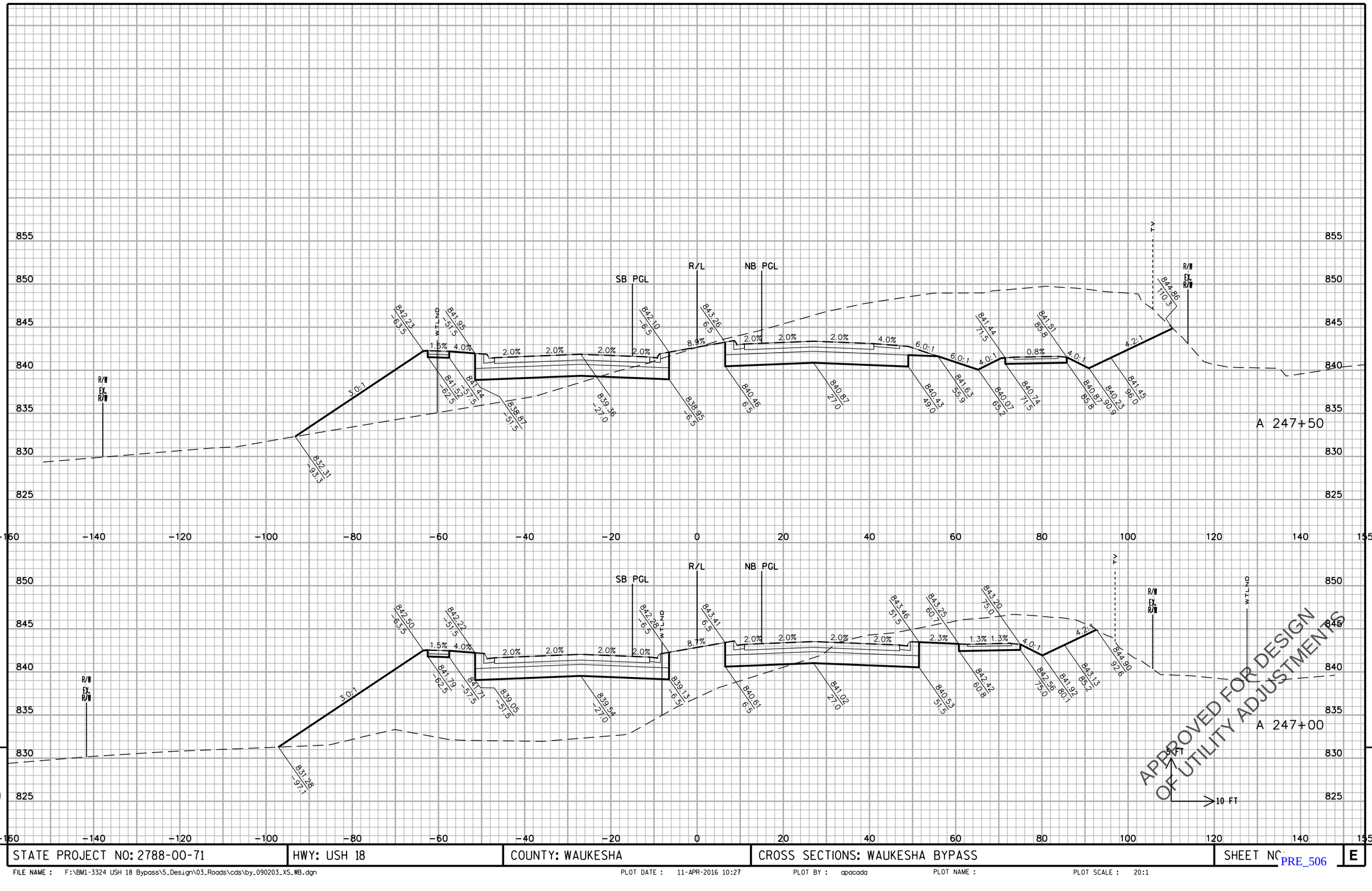
PRE_504



STATE PROJECT NO: 2788-00-71	HWY: USH 18	COUNTY: WAUKESHA	CROSS SECTIONS: WAUKESHA BYPASS	SHEET NO.	E

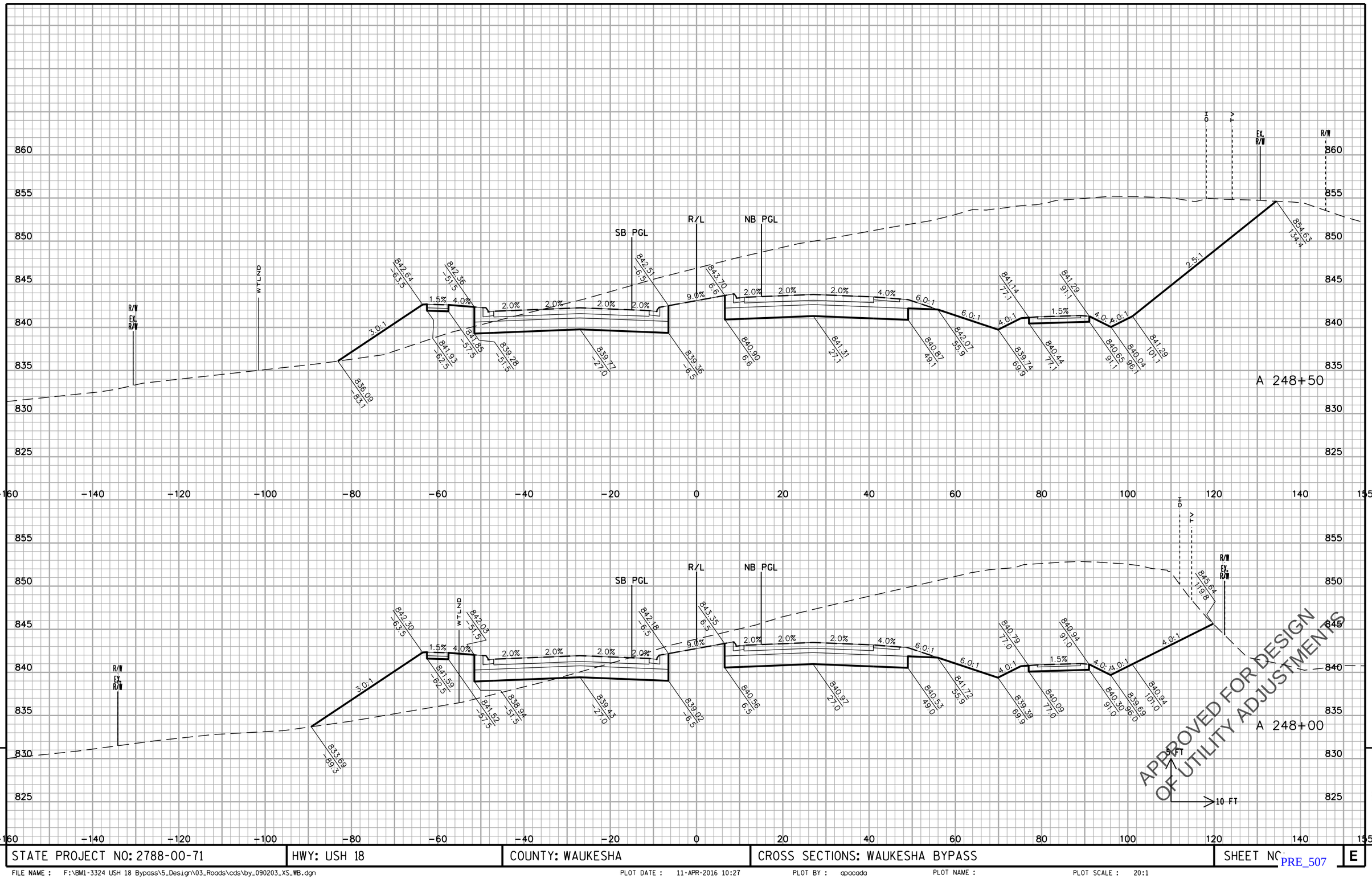
FILE NAME : F:\BM1-3324 USH 18 Bypass\5_Design\03_Roads\cds\by_090203_XS_WB.dgn PLOT DATE : 11-APR-2016 10:27 PLOT BY : apacada PLOT NAME : PLOT SCALE : 20:1

PRE_505



STATE PROJECT NO: 2788-00-71	HWY: USH 18	COUNTY: WAUKESHA	CROSS SECTIONS: WAUKESHA BYPASS	SHEET NO	E

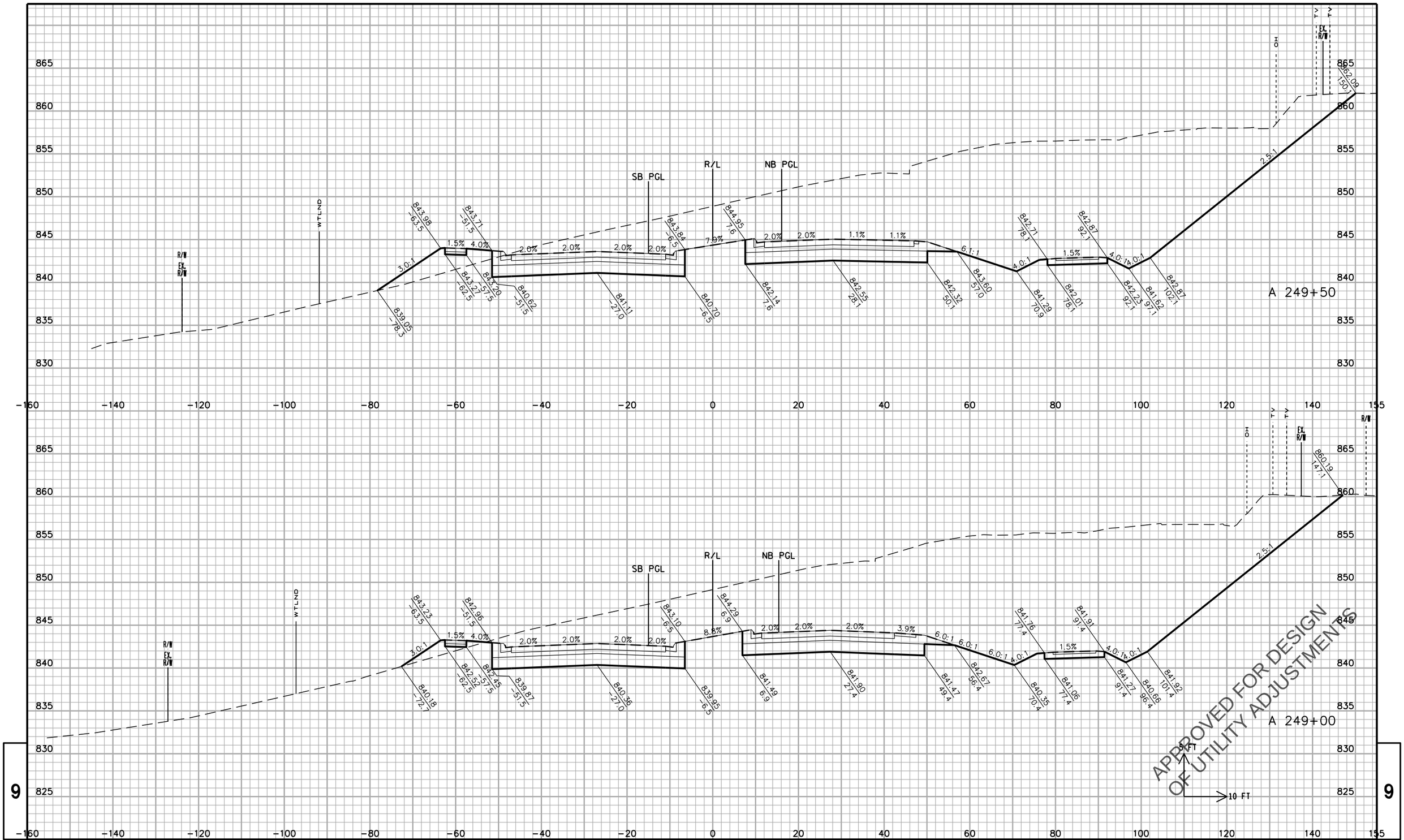
FILE NAME : F:\BM1-3324 USH 18 Bypass\5_Design\03_Roads\cds\by_090203_XS_WB.dgn PLOT DATE : 11-APR-2016 10:27 PLOT BY : apacada PLOT NAME : PLOT SCALE : 20:1



STATE PROJECT NO: 2788-00-71	HWY: USH 18	COUNTY: WAUKESHA	CROSS SECTIONS: WAUKESHA BYPASS	SHEET NO.

FILE NAME : F:\BM1-3324 USH 18 Bypass\5_Design\03_Roads\cds\by_090203_XS_WB.dgn PLOT DATE : 11-APR-2016 10:27 PLOT BY : apacada PLOT NAME : PLOT SCALE : 20:1

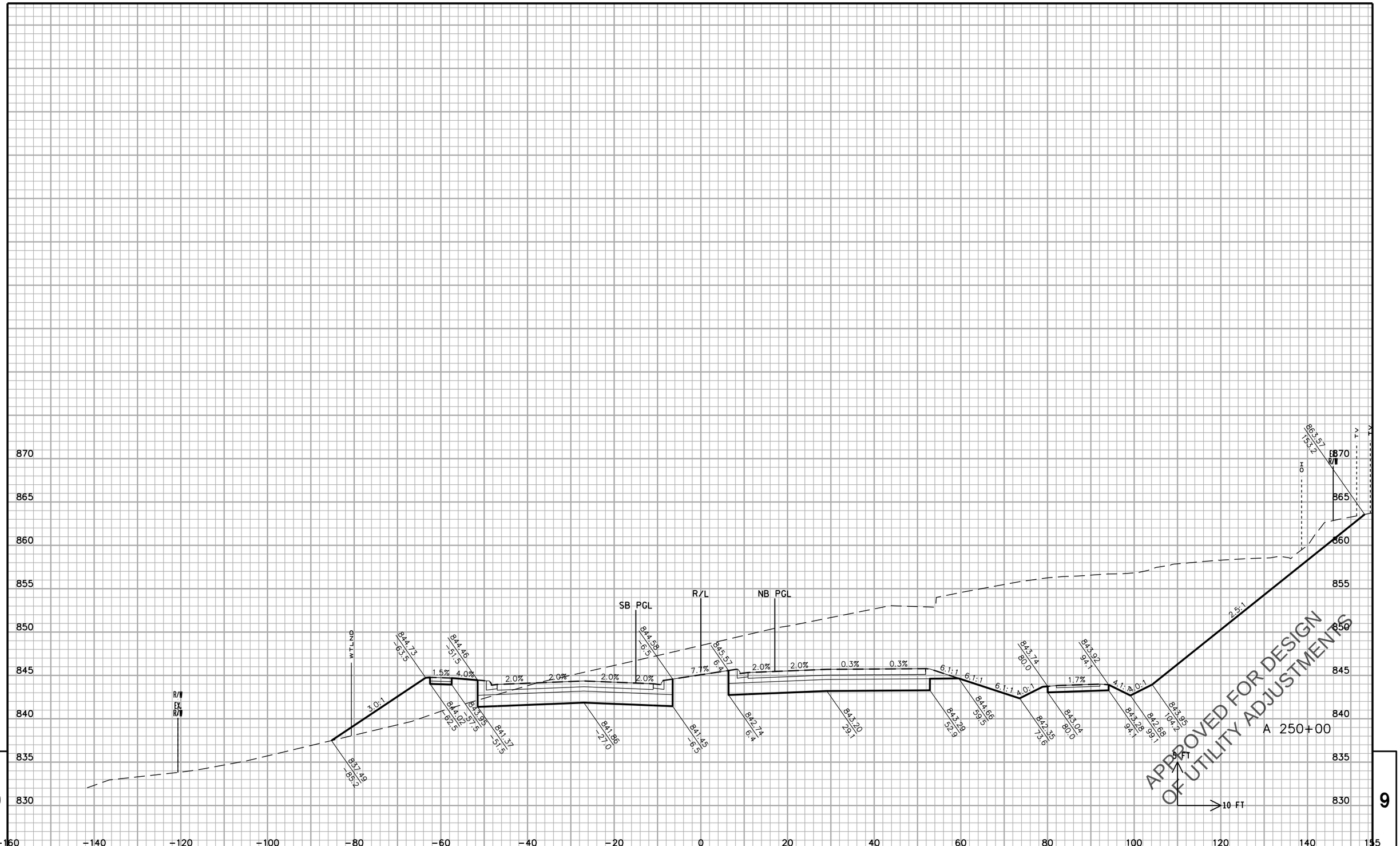
PRE_507



STATE PROJECT NO: 2788-00-71	HWY: USH 18	COUNTY: WAUKESHA	CROSS SECTIONS: WAUKESHA BYPASS	SHEET NO.
				E

FILE NAME : F:\BM1-3324 USH 18 Bypass\5_Design\03_Roads\cds\by_090203_XS_WB.dgn PLOT DATE : 11-APR-2016 10:27 PLOT BY : apacada PLOT NAME : PLOT SCALE : 20:1

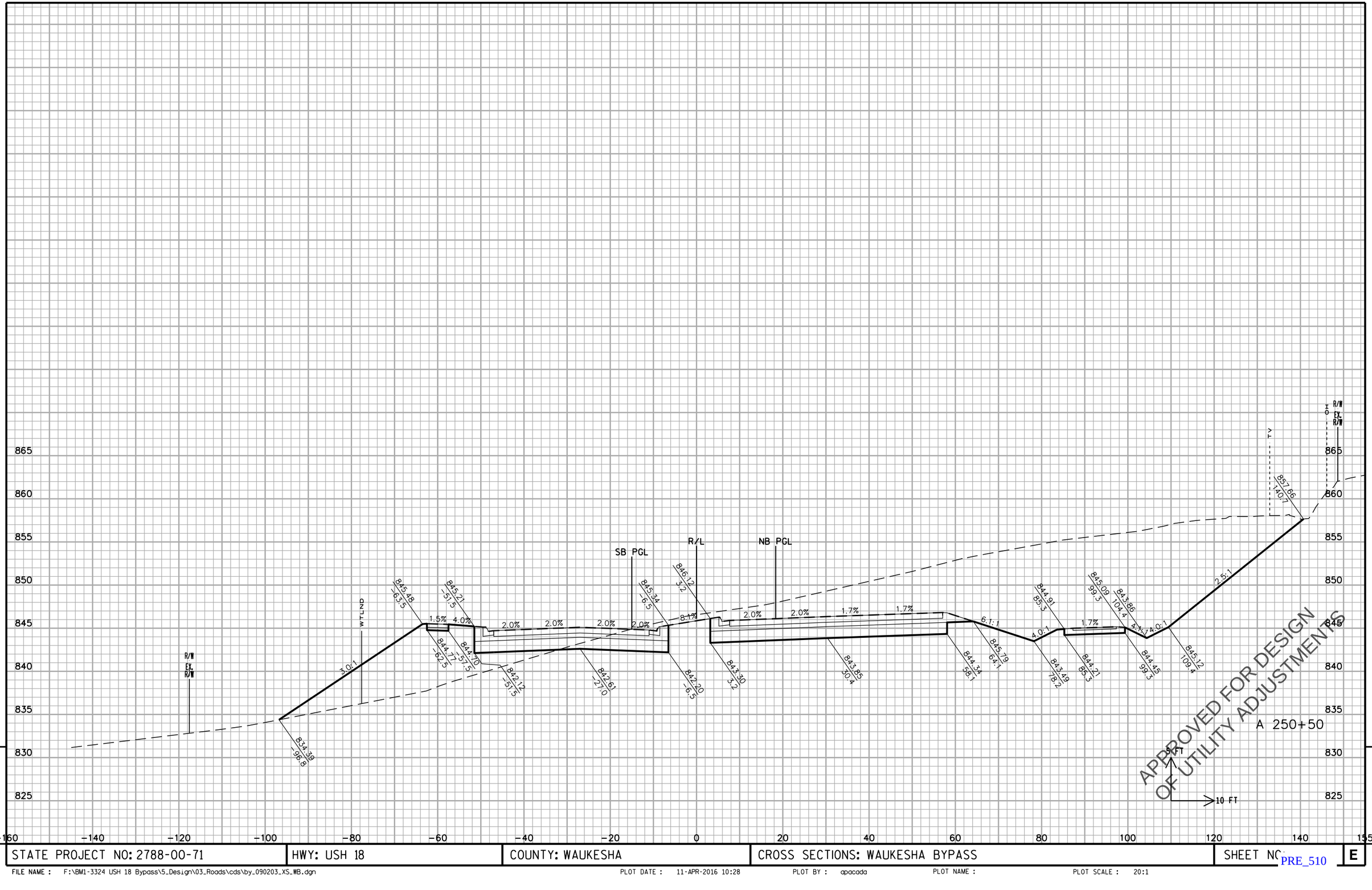
PRE_508



STATE PROJECT NO: 2788-00-71	HWY: USH 18	COUNTY: WAUKESHA	CROSS SECTIONS: WAUKESHA BYPASS	SHEET NO.	E

FILE NAME : F:\BM1-3324 USH 18 Bypass\5_Design\03_Roads\cds\by_090203_XS_WB.dgn PLOT DATE : 11-APR-2016 10:27 PLOT BY : apacada PLOT NAME : PLOT SCALE : 20:1

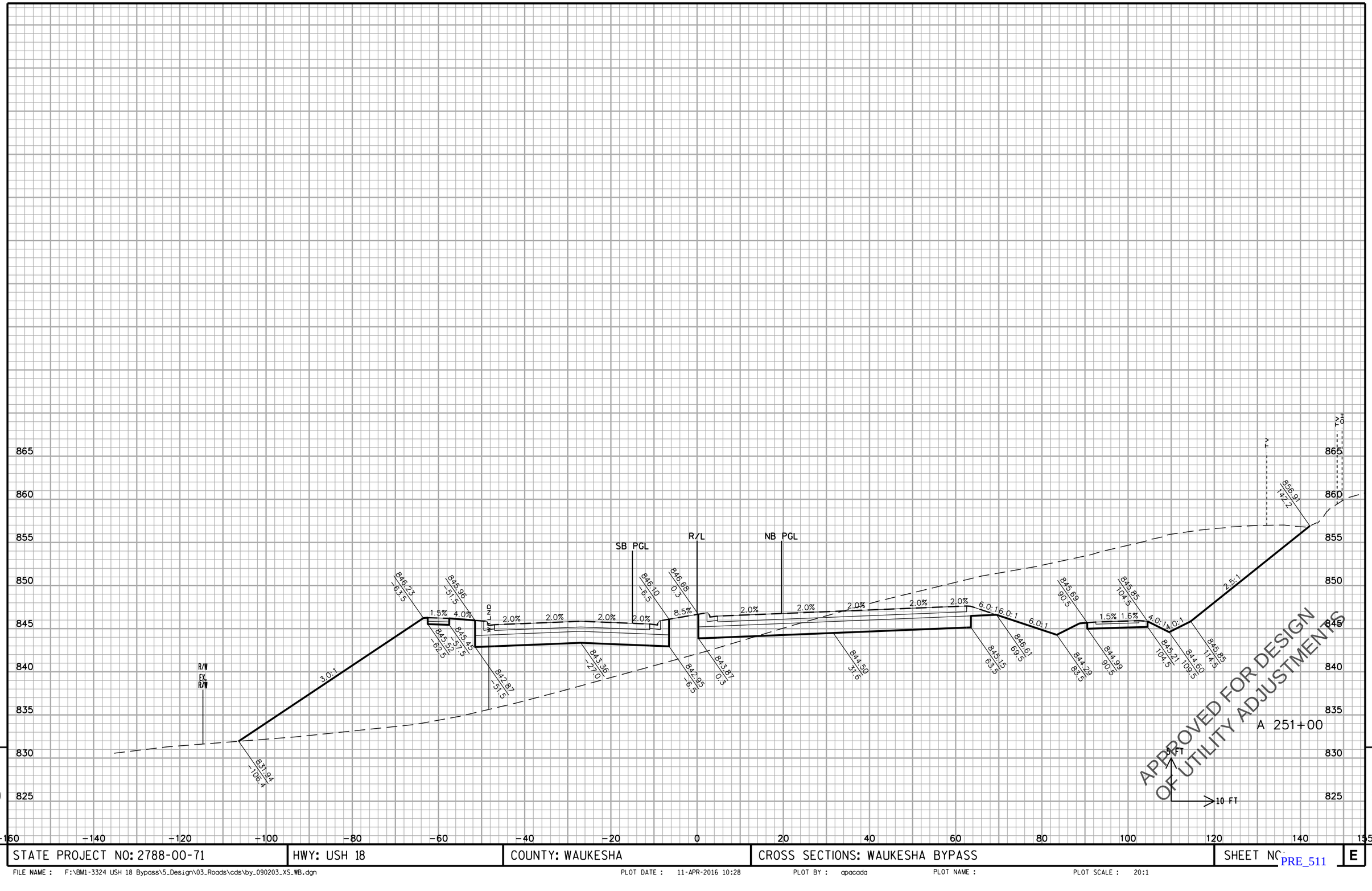
PRE_509



STATE PROJECT NO: 2788-00-71	HWY: USH 18	COUNTY: WAUKESHA	CROSS SECTIONS: WAUKESHA BYPASS	SHEET NO.	E

FILE NAME : F:\BM1-3324 USH 18 Bypass\5_Design\03_Roads\cds\by_090203_XS_WB.dgn PLOT DATE : 11-APR-2016 10:28 PLOT BY : apacada PLOT NAME : PLOT SCALE : 20:1

PRE_510



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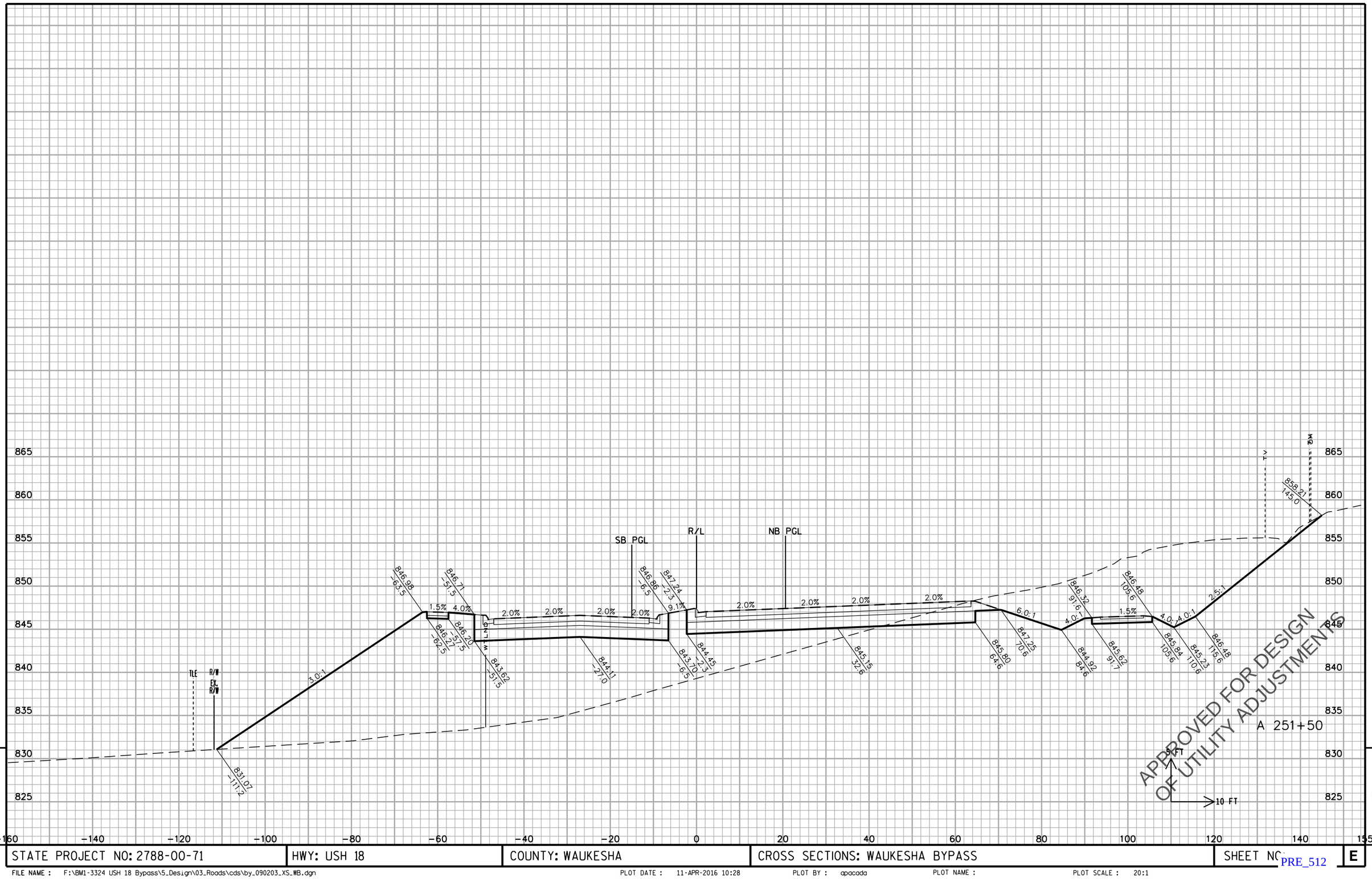
STATE PROJECT NO: 2788-00-71	HWY: USH 18	COUNTY: WAUKESHA	CROSS SECTIONS: WAUKESHA BYPASS	SHEET NO	E

FILE NAME : F:\BM1-3324 USH 18 Bypass\5_Design\03_Roads\cds\by_090203_XS_WB.dgn PLOT DATE : 11-APR-2016 10:28 PLOT BY : apacada PLOT NAME : PLOT SCALE : 20:1

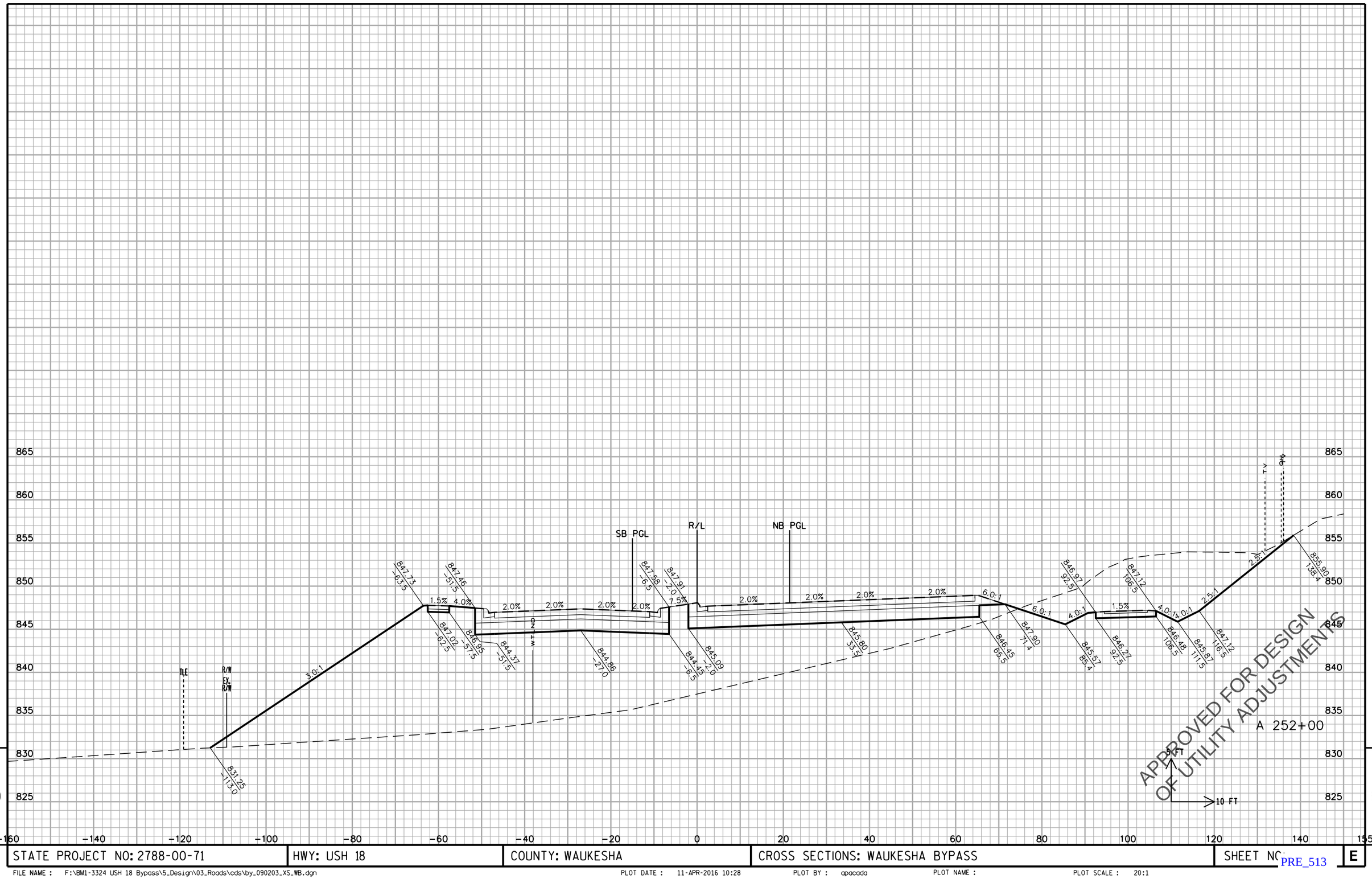
PRE_511



STATE PROJECT NO: 2788-00-71	HWY: USH 18	COUNTY: WAUKESHA	CROSS SECTIONS: WAUKESHA BYPASS	SHEET NO.

FILE NAME : F:\BM1-3324 USH 18 Bypass\5_Design\03_Roads\cds\by_090203_XS_WB.dgn PLOT DATE : 11-APR-2016 10:28 PLOT BY : apacada PLOT NAME : PLOT SCALE : 20:1

PRE_512



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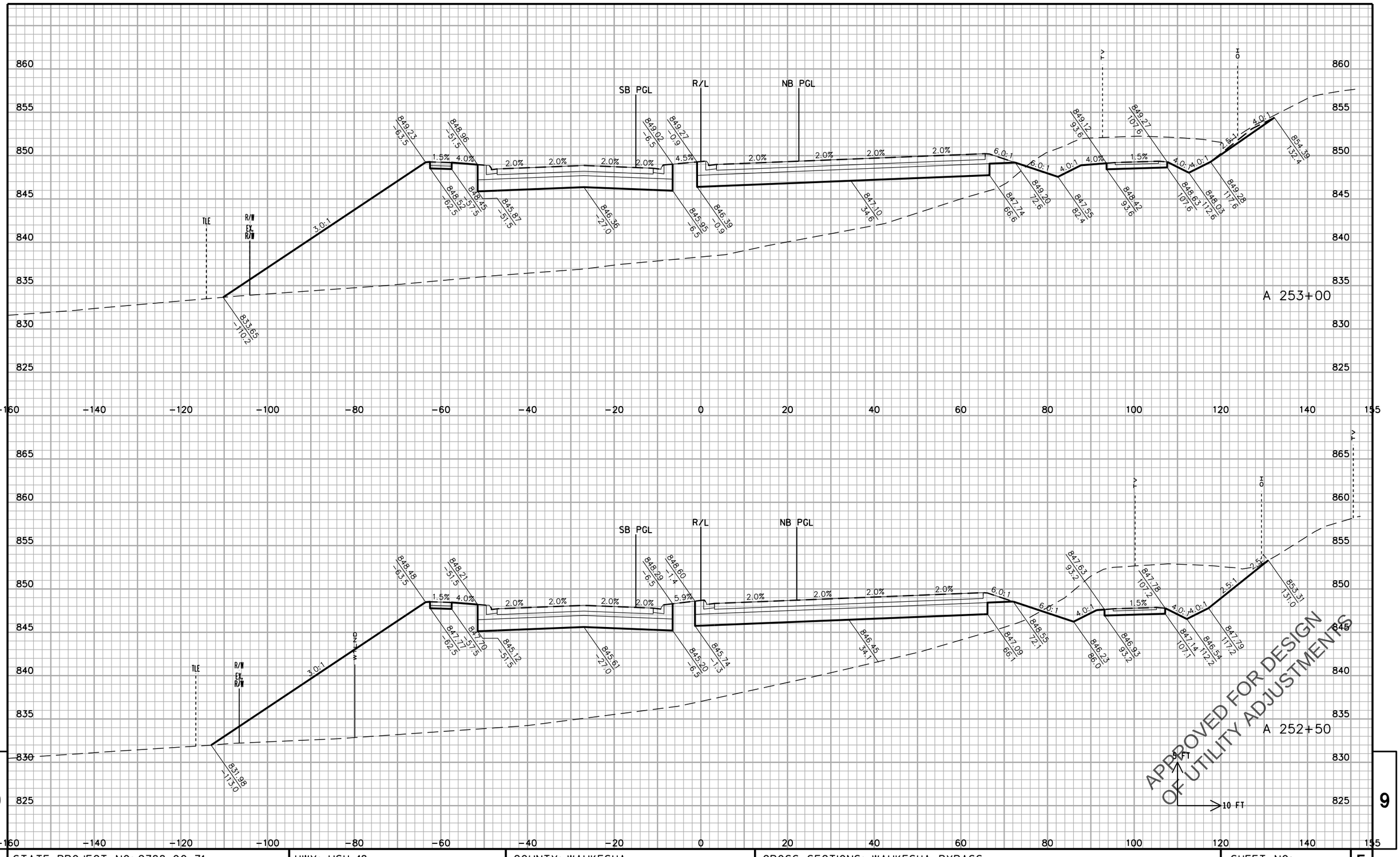
STATE PROJECT NO: 2788-00-71	HWY: USH 18	COUNTY: WAUKESHA	CROSS SECTIONS: WAUKESHA BYPASS	SHEET NO	E

FILE NAME : F:\BM1-3324 USH 18 Bypass\5_Design\03_Roads\cds\by_090203_XS_WB.dgn PLOT DATE : 11-APR-2016 10:28 PLOT BY : apacada PLOT NAME : PLOT SCALE : 20:1

PRE_513



STATE PROJECT NO: 2788-00-71	HWY: USH 18	COUNTY: WAUKESHA	CROSS SECTIONS: WAUKESHA BYPASS	SHEET NO
				E

FILE NAME : F:\BM1-3324 USH 18 Bypass\5_Design\03_Roads\cds\by_090203_XS_WB.dgn PLOT DATE : 11-APR-2016 10:28 PLOT BY : apacada PLOT NAME : PLOT SCALE : 20:1

PRE_514

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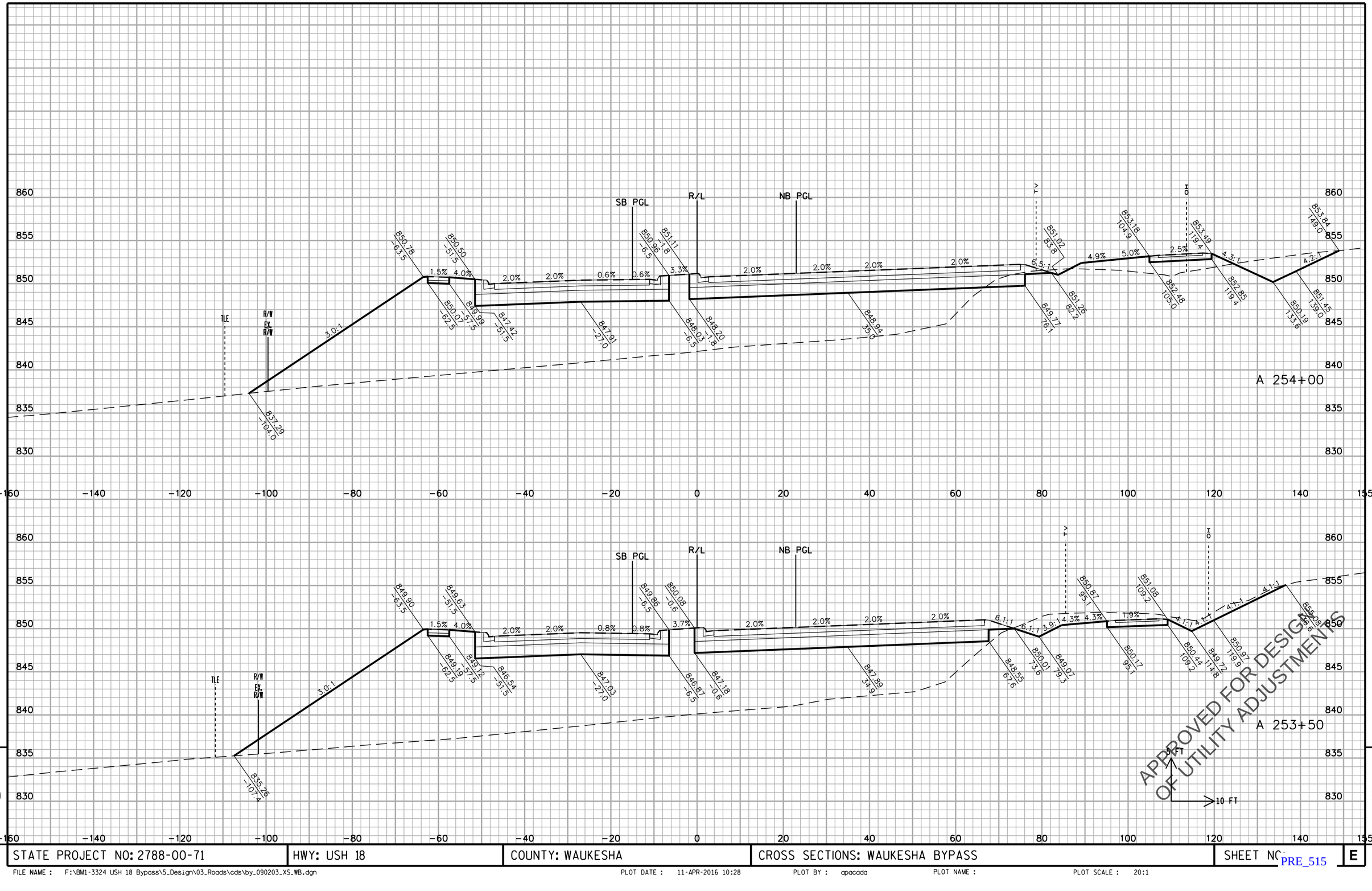
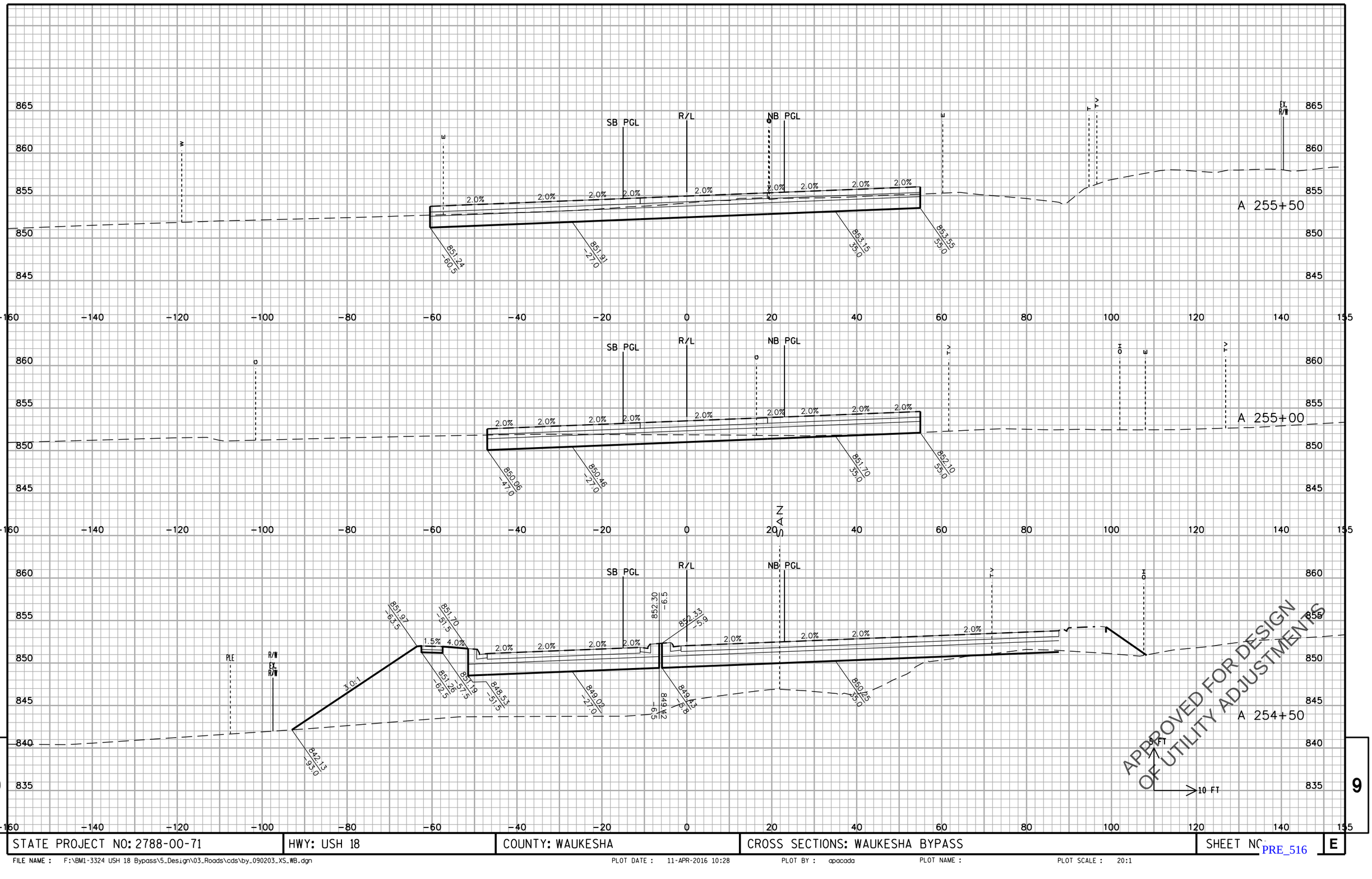


STATE PROJECT NO: 2788-00-71	HWY: USH 18	COUNTY: WAUKESHA	CROSS SECTIONS: WAUKESHA BYPASS	SHEET NO.

FILE NAME : F:\BM1-3324 USH 18 Bypass\5_Design\03_Roads\cds\by_090203_XS_WB.dgn PLOT DATE : 11-APR-2016 10:28 PLOT BY : apacada PLOT NAME : PLOT SCALE : 20:1

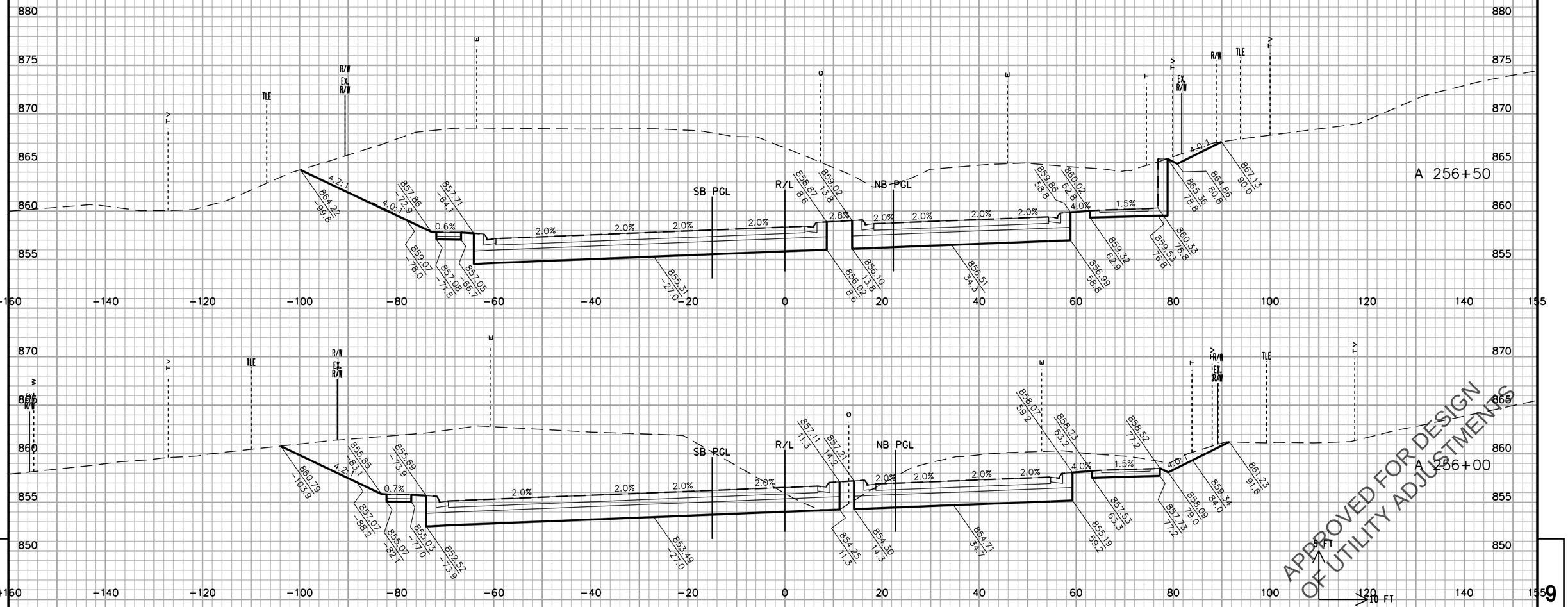
PRE_515



STATE PROJECT NO: 2788-00-71	HWY: USH 18	COUNTY: WAUKESHA	CROSS SECTIONS: WAUKESHA BYPASS	SHEET NO.	E

FILE NAME : F:\BM1-3324 USH 18 Bypass\5_Design\03_Roads\cds\by_090203_XS_WB.dgn PLOT DATE : 11-APR-2016 10:28 PLOT BY : apacada PLOT NAME : PLOT SCALE : 20:1

PRE_516



STATE PROJECT NO: 2788-00-71	HWY: USH 18	COUNTY: WAUKESHA	CROSS SECTIONS: WAUKESHA BYPASS	SHEET NO.	E

FILE NAME : F:\BM1-3324 USH 18 Bypass\5_Design\03_Roads\cds\by_090203_XS_WB.dgn PLOT DATE : 11-APR-2016 10:28 PLOT BY : apacada PLOT NAME : PLOT SCALE : 20:1

PRE_517

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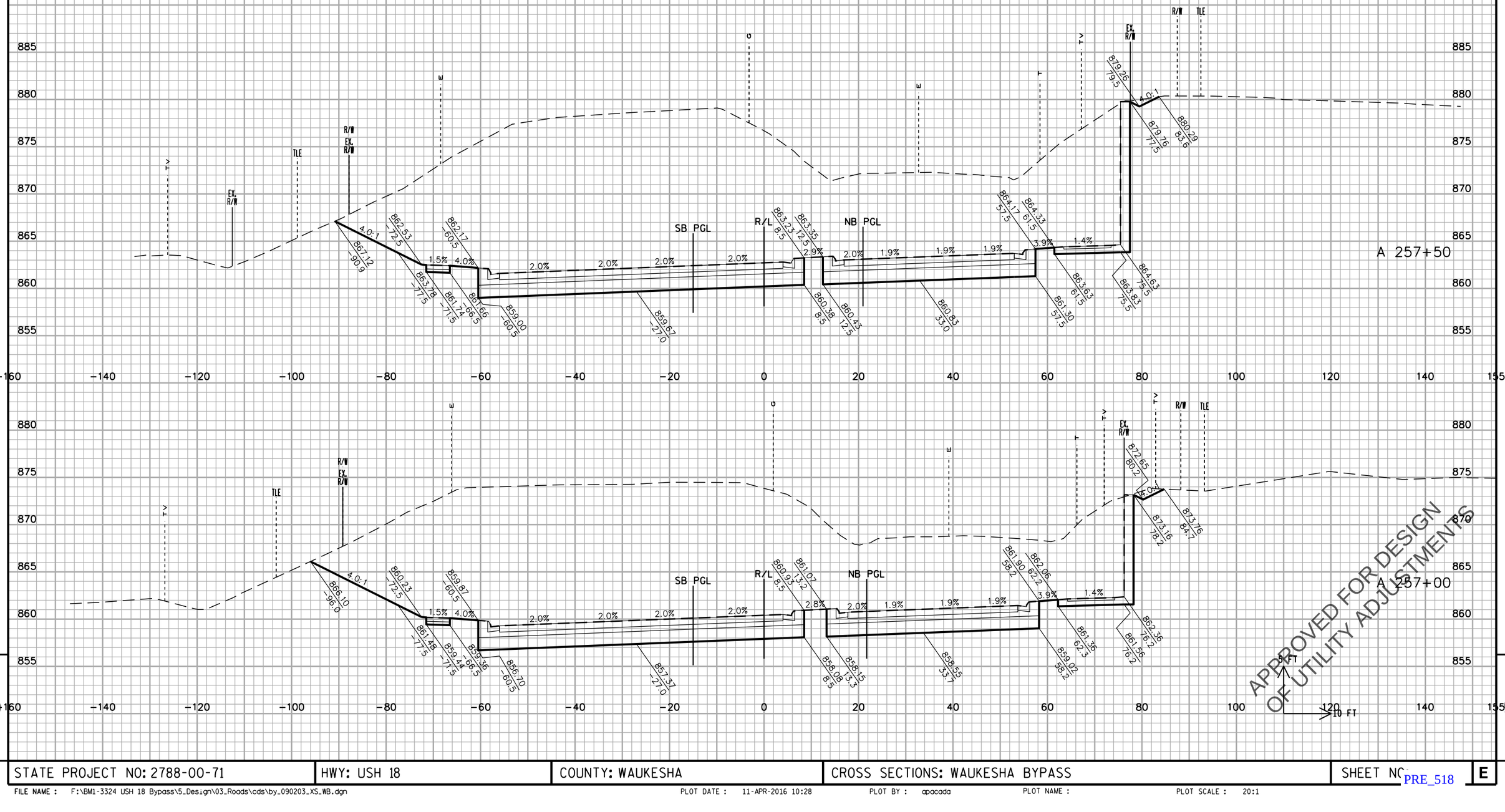
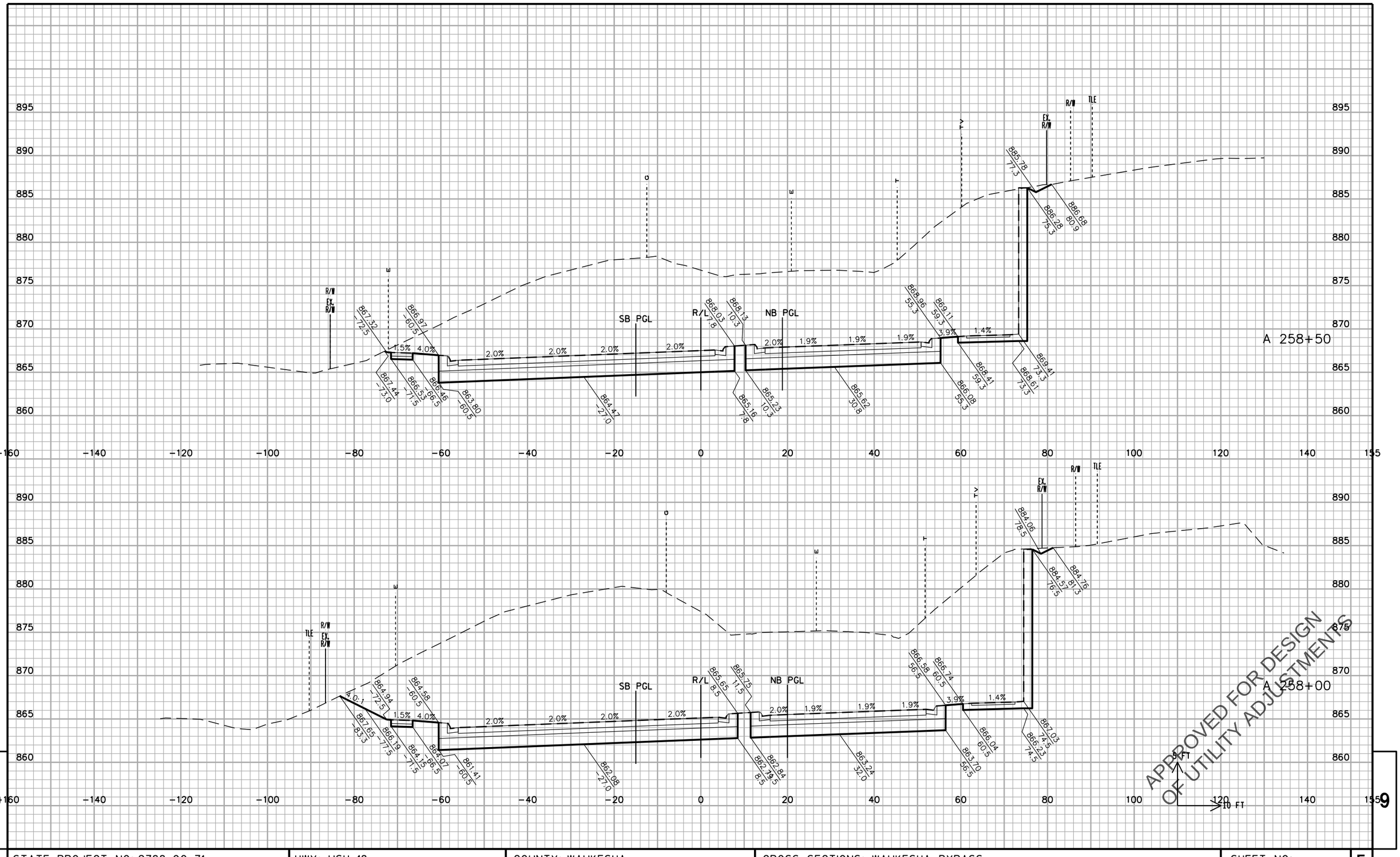


APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS

STATE PROJECT NO: 2788-00-71	HWY: USH 18	COUNTY: WAUKESHA	CROSS SECTIONS: WAUKESHA BYPASS	SHEET NO	E

FILE NAME : F:\BM1-3324 USH 18 Bypass\5_Design\03_Roads\cds\by_090203_XS_WB.dgn PLOT DATE : 11-APR-2016 10:28 PLOT BY : apacada PLOT NAME : PLOT SCALE : 20:1

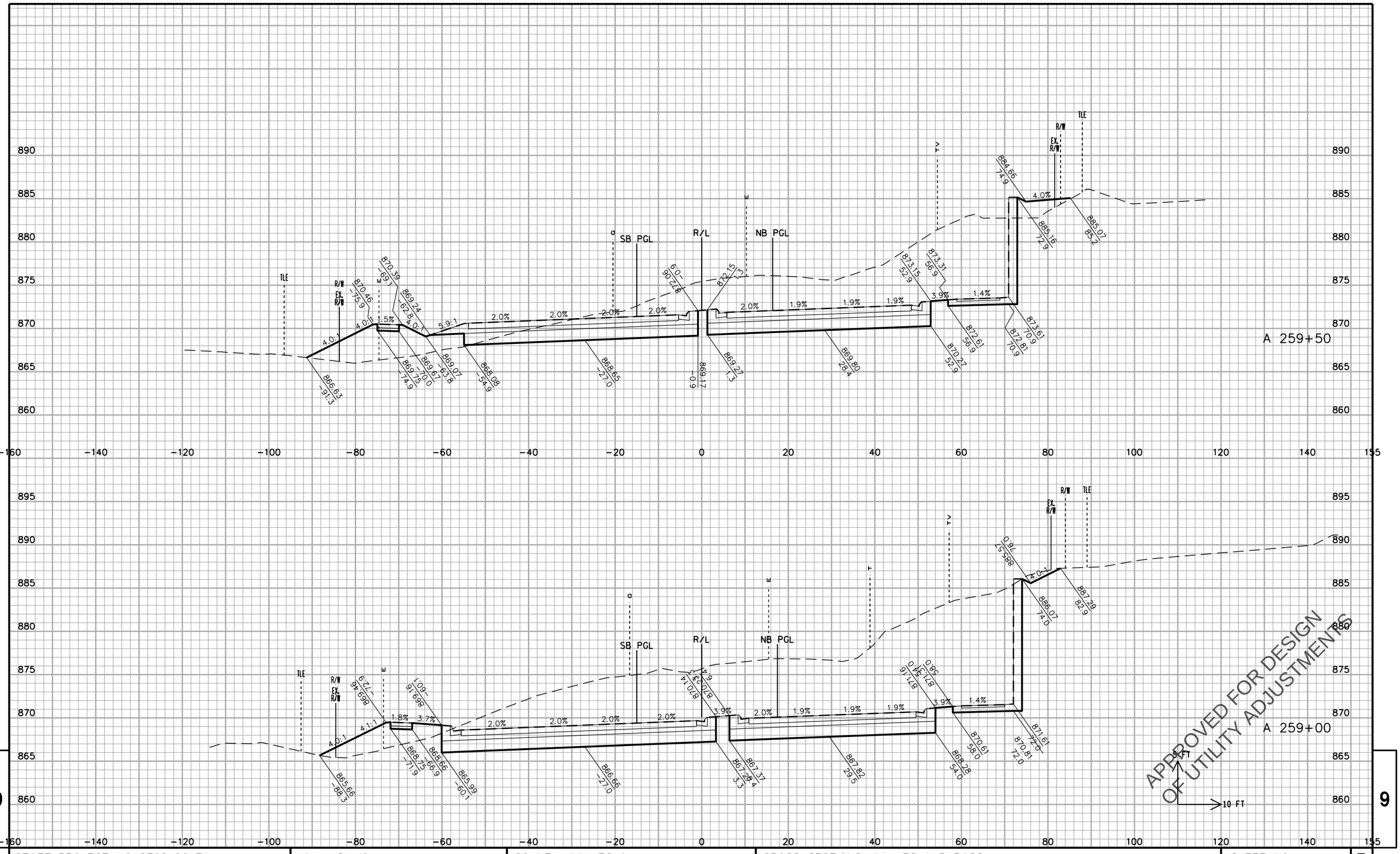
PRE_518



STATE PROJECT NO: 2788-00-71	HWY: USH 18	COUNTY: WAUKESHA	CROSS SECTIONS: WAUKESHA BYPASS	SHEET NO.	E

FILE NAME : F:\BM1-3324 USH 18 Bypass\5_Design\03_Roads\cds\by_090203_XS_WB.dgn PLOT DATE : 11-APR-2016 10:28 PLOT BY : apacada PLOT NAME : PLOT SCALE : 20:1

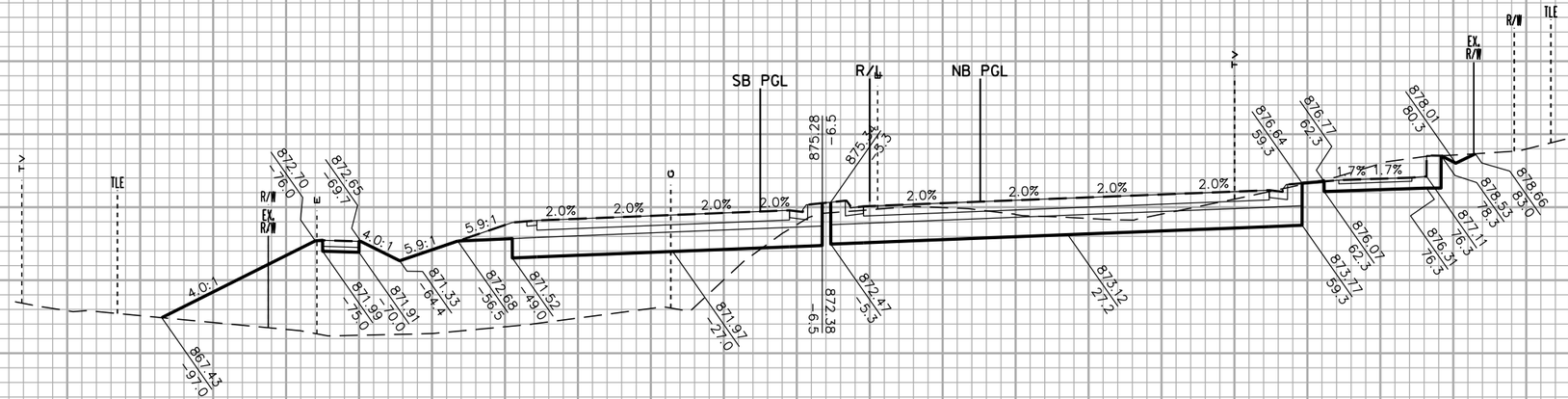
PRE_519

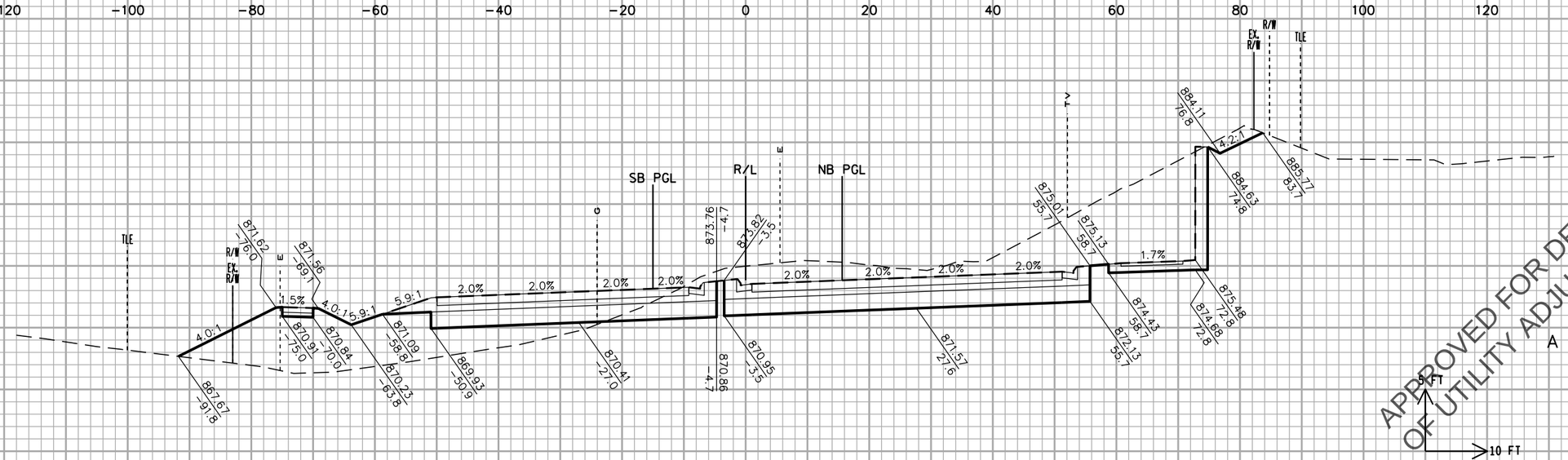


STATE PROJECT NO: 2788-00-71	HWY: USH 18	COUNTY: WAUKESHA	CROSS SECTIONS: WAUKESHA BYPASS	SHEET NO	E

FILE NAME : F:\BM1-3324 USH 18 Bypass\5_Design\03_Roads\cds\by_090203_XS_WB.dgn PLOT DATE : 11-APR-2016 10:28 PLOT BY : apacada PLOT NAME : PLOT SCALE : 20:1

PRE_520

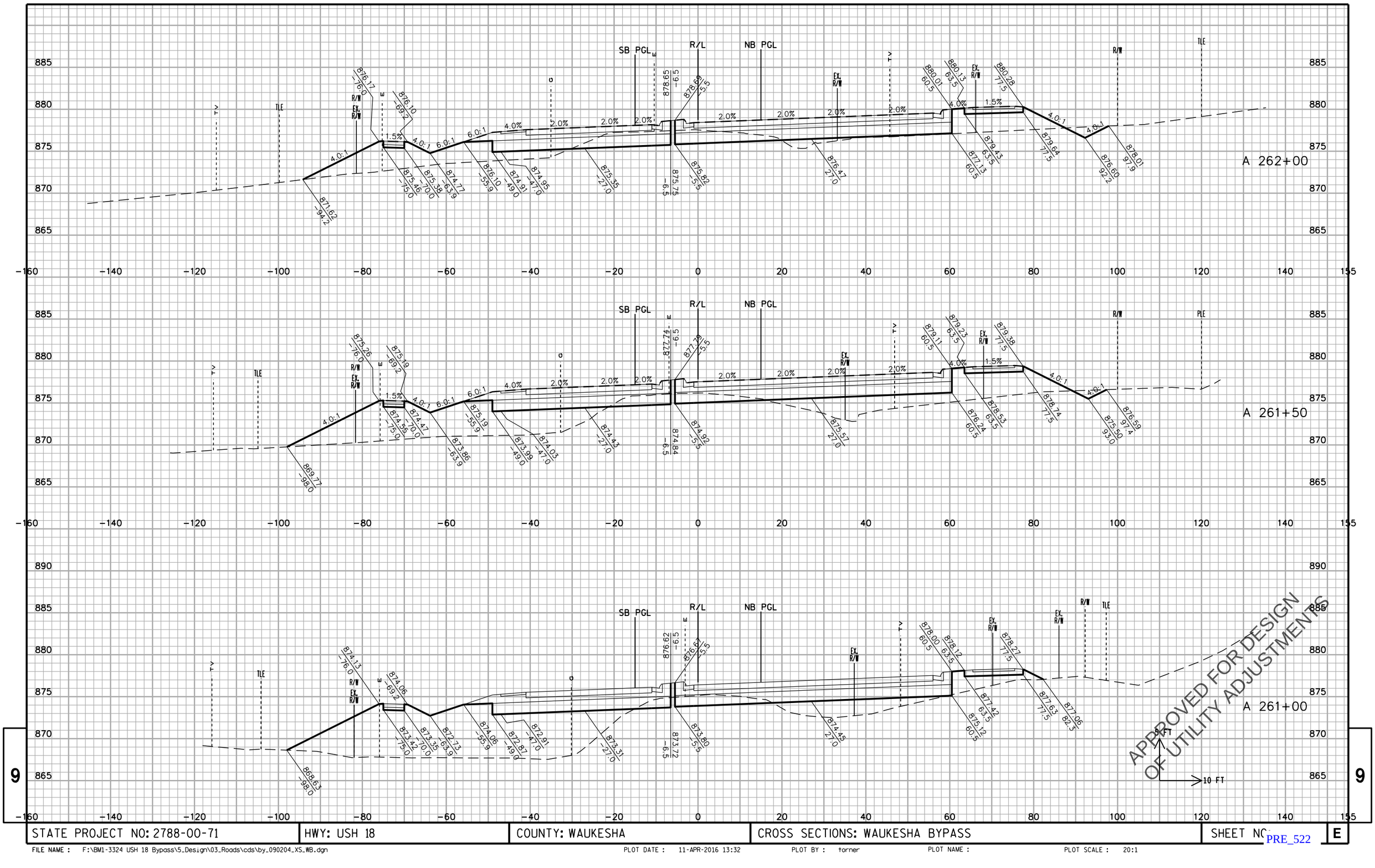




STATE PROJECT NO: 2788-00-71	HWY: USH 18	COUNTY: WAUKESHA	CROSS SECTIONS: WAUKESHA BYPASS	SHEET NO	E

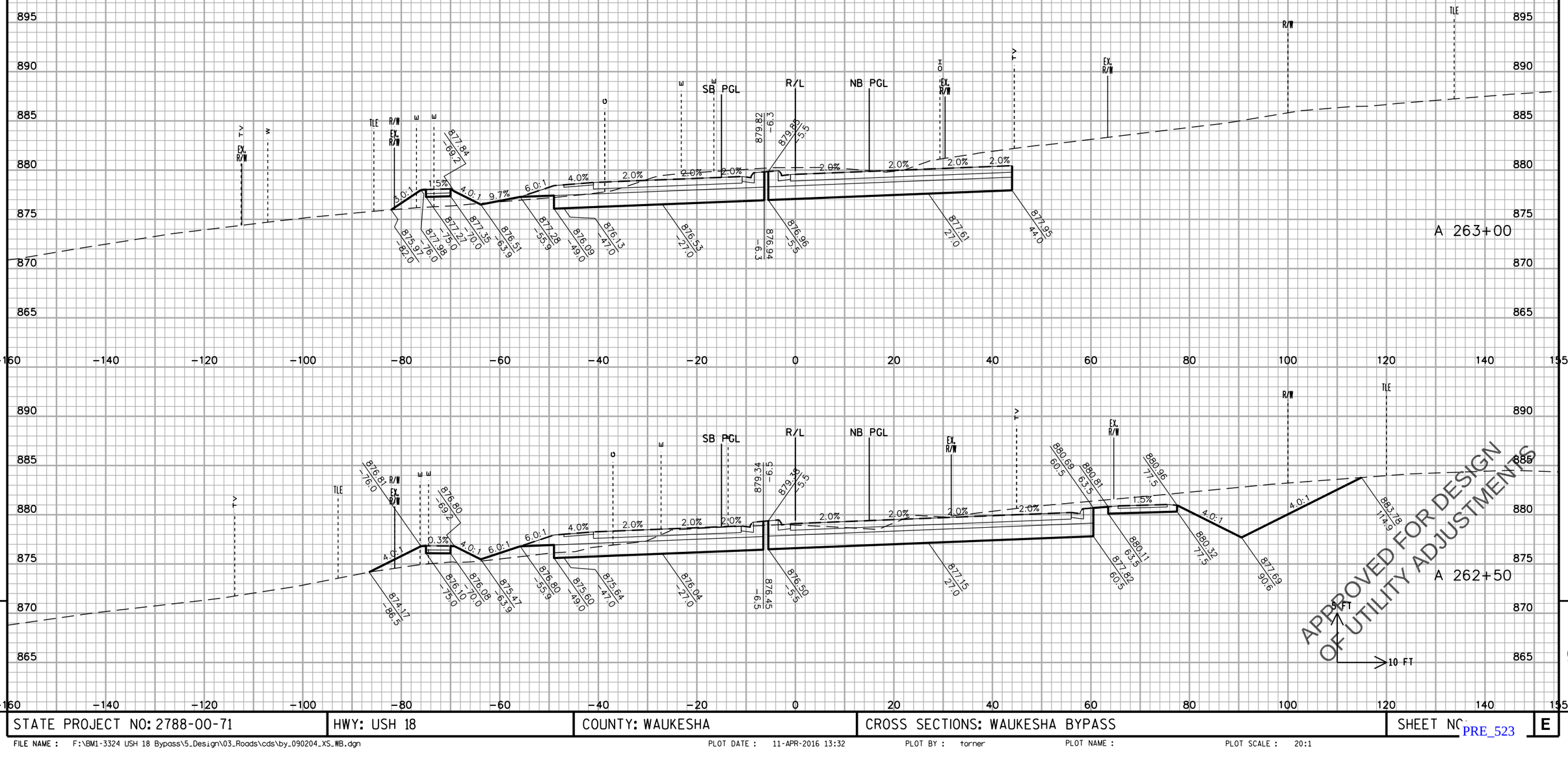
FILE NAME : F:\BM1-3324 USH 18 Bypass\5_Design\03_Roads\cds\by_090203_XS_WB.dgn PLOT DATE : 11-APR-2016 10:28 PLOT BY : apacada PLOT NAME : PLOT SCALE : 20:1

PRE_521



STATE PROJECT NO: 2788-00-71	HWY: USH 18	COUNTY: WAUKESHA	CROSS SECTIONS: WAUKESHA BYPASS	SHEET NO	E

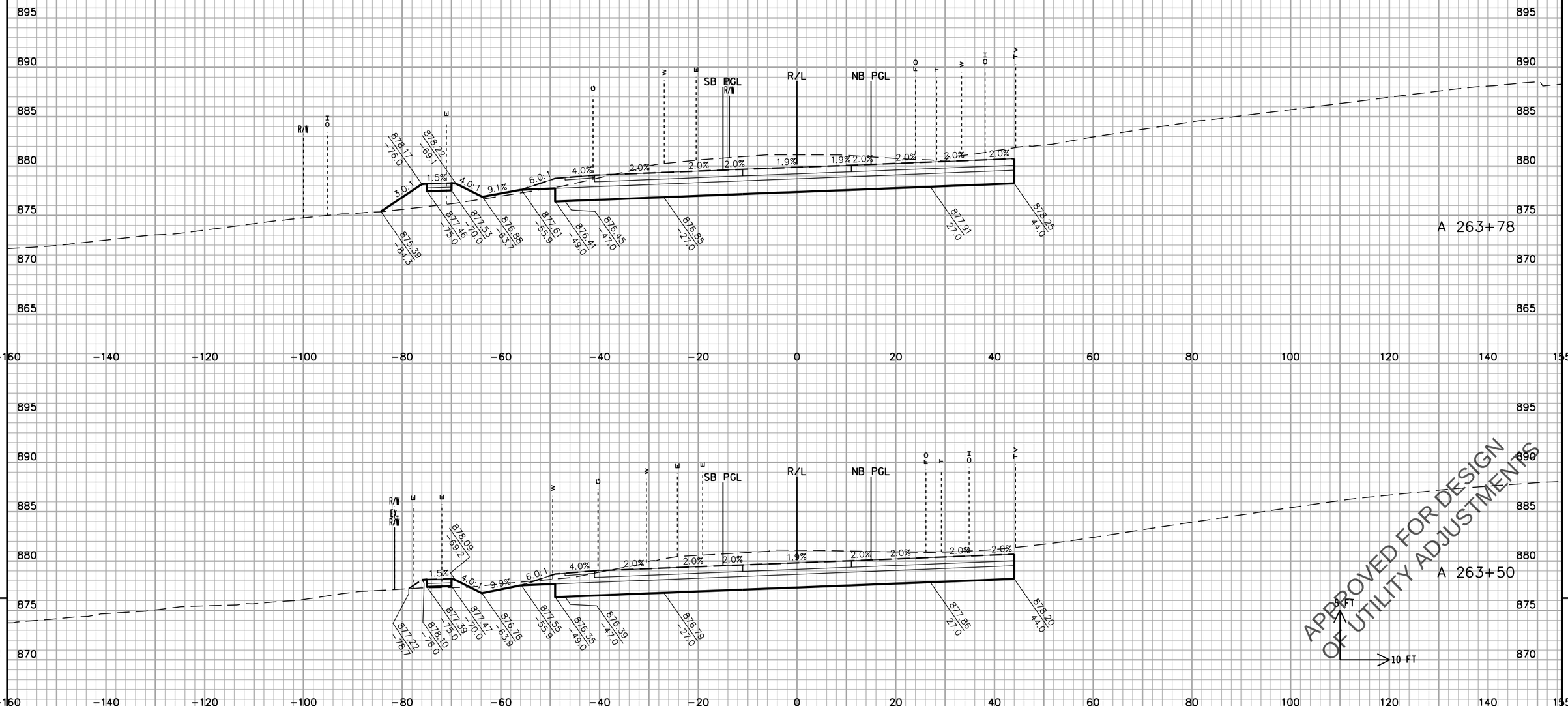
FILE NAME : F:\BM1-3324 USH 18 Bypass\5_Design\03_Roads\cds\by_090204_XS_WB.dgn PLOT DATE : 11-APR-2016 13:32 PLOT BY : torner PLOT NAME : PLOT SCALE : 20:1



STATE PROJECT NO: 2788-00-71	HWY: USH 18	COUNTY: WAUKESHA	CROSS SECTIONS: WAUKESHA BYPASS	SHEET NO. E

FILE NAME : F:\BM1-3324 USH 18 Bypass\5_Design\03_Roads\cds\by_090204_XS_WB.dgn PLOT DATE : 11-APR-2016 13:32 PLOT BY : torner PLOT NAME : PLOT SCALE : 20:1

PRE_523



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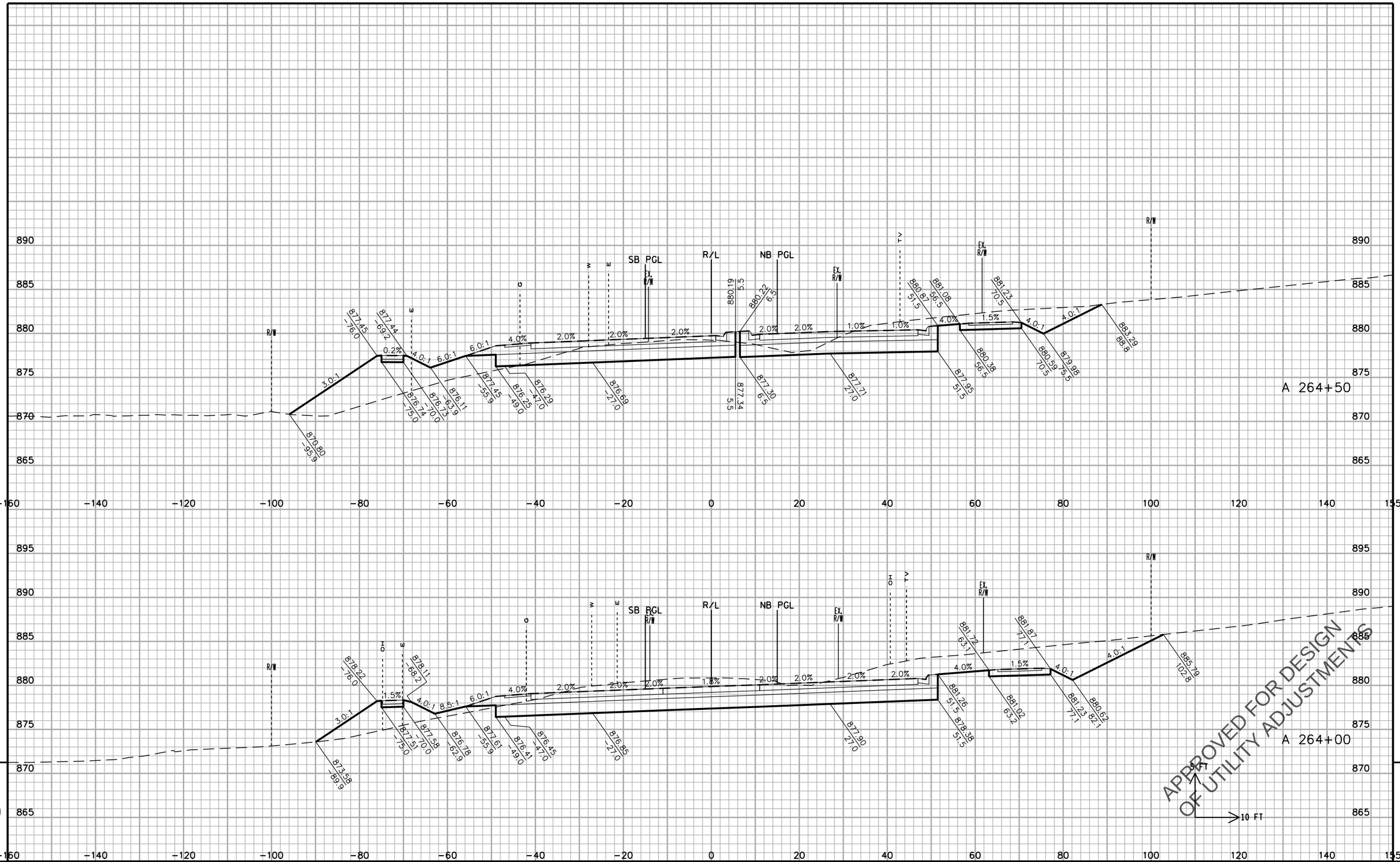
STATE PROJECT NO: 2788-00-71	HWY: USH 18	COUNTY: WAUKESHA	CROSS SECTIONS: WAUKESHA BYPASS	SHEET NO.	E

PRE_524

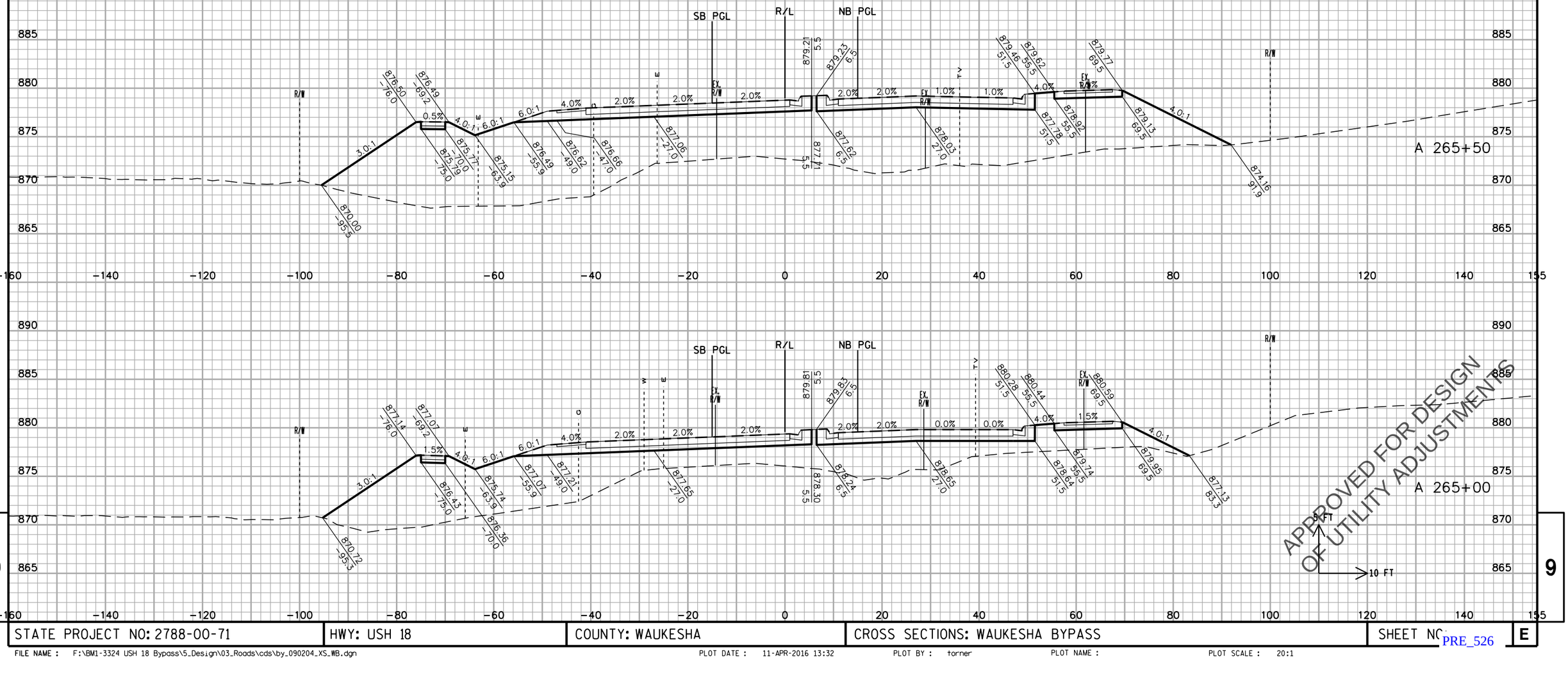
FILE NAME : F:\BM1-3324 USH 18 Bypass\5_Design\03_Roads\cds\by_090204_XS_WB.dgn PLOT DATE : 11-APR-2016 13:32 PLOT BY : torner PLOT NAME : PLOT SCALE : 20:1



STATE PROJECT NO: 2788-00-71	HWY: USH 18	COUNTY: WAUKESHA	CROSS SECTIONS: WAUKESHA BYPASS	SHEET NO.	E

FILE NAME : F:\BM1-3324 USH 18 Bypass\5_Design\03_Roads\cds\by_090204_XS_WB.dgn PLOT DATE : 11-APR-2016 13:32 PLOT BY : torner PLOT NAME : PLOT SCALE : 20:1

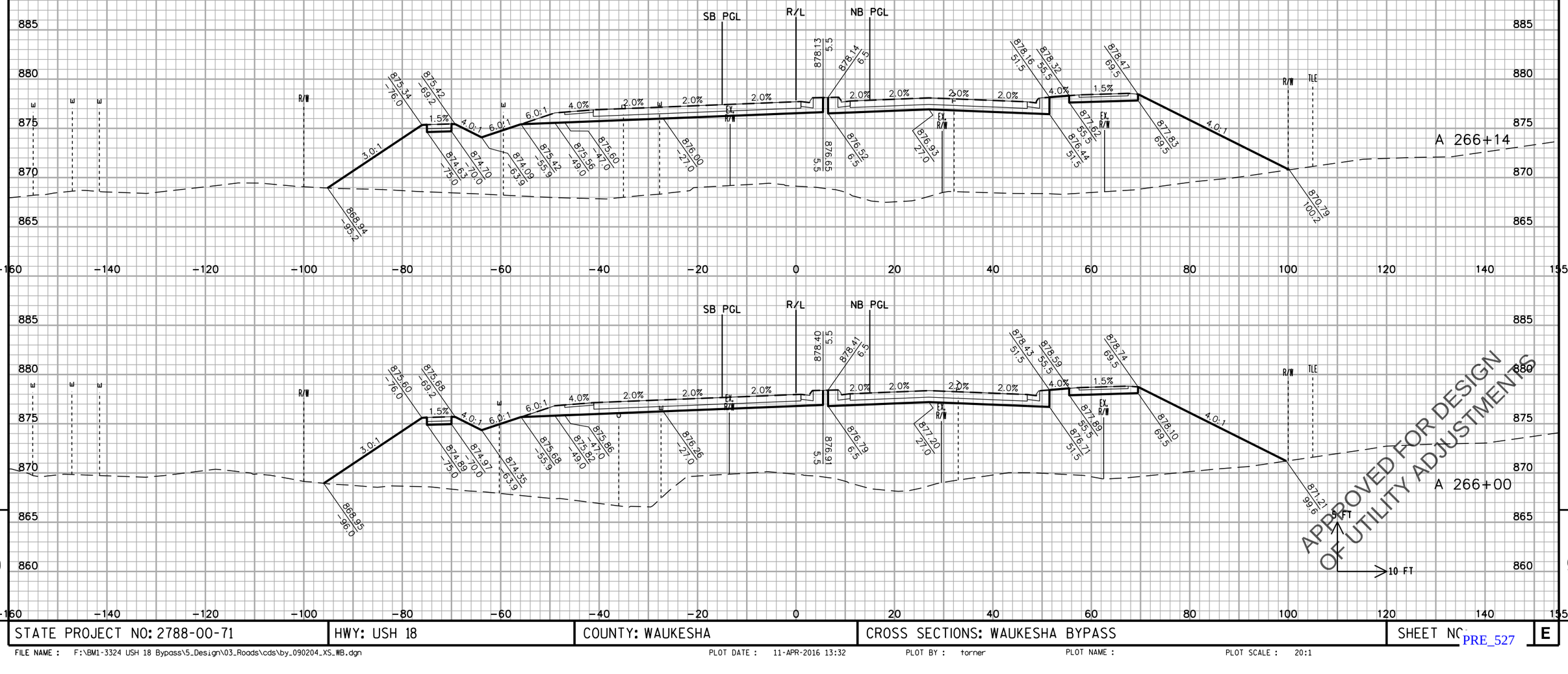
PRE_525



STATE PROJECT NO: 2788-00-71	HWY: USH 18	COUNTY: WAUKESHA	CROSS SECTIONS: WAUKESHA BYPASS	SHEET NO.	E

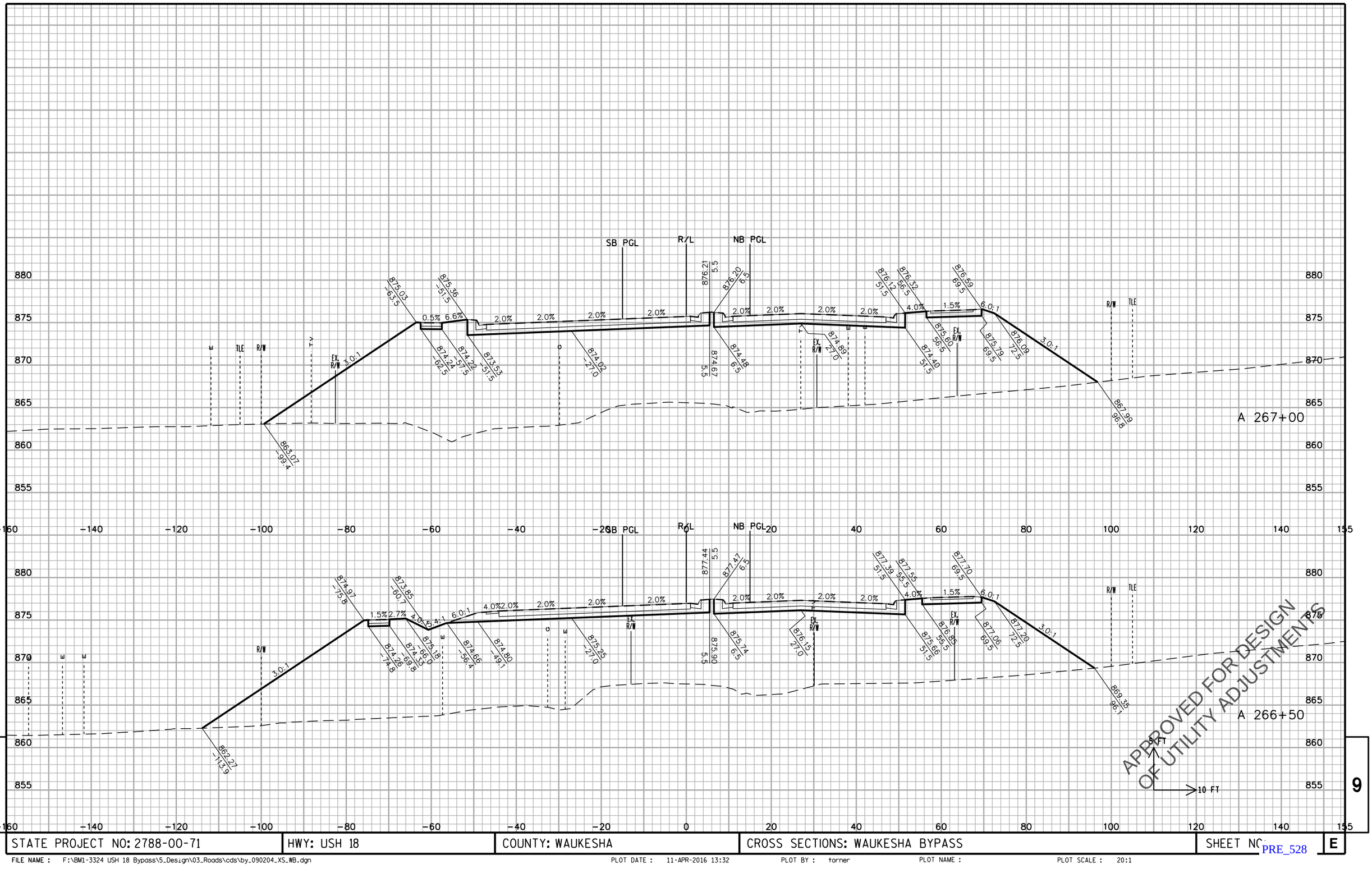
FILE NAME : F:\BM1-3324 USH 18 Bypass\5_Design\03_Roads\cds\by_090204_XS_WB.dgn PLOT DATE : 11-APR-2016 13:32 PLOT BY : torner PLOT NAME : PLOT SCALE : 20:1

PRE_526



STATE PROJECT NO: 2788-00-71	HWY: USH 18	COUNTY: WAUKESHA	CROSS SECTIONS: WAUKESHA BYPASS	SHEET NO	E

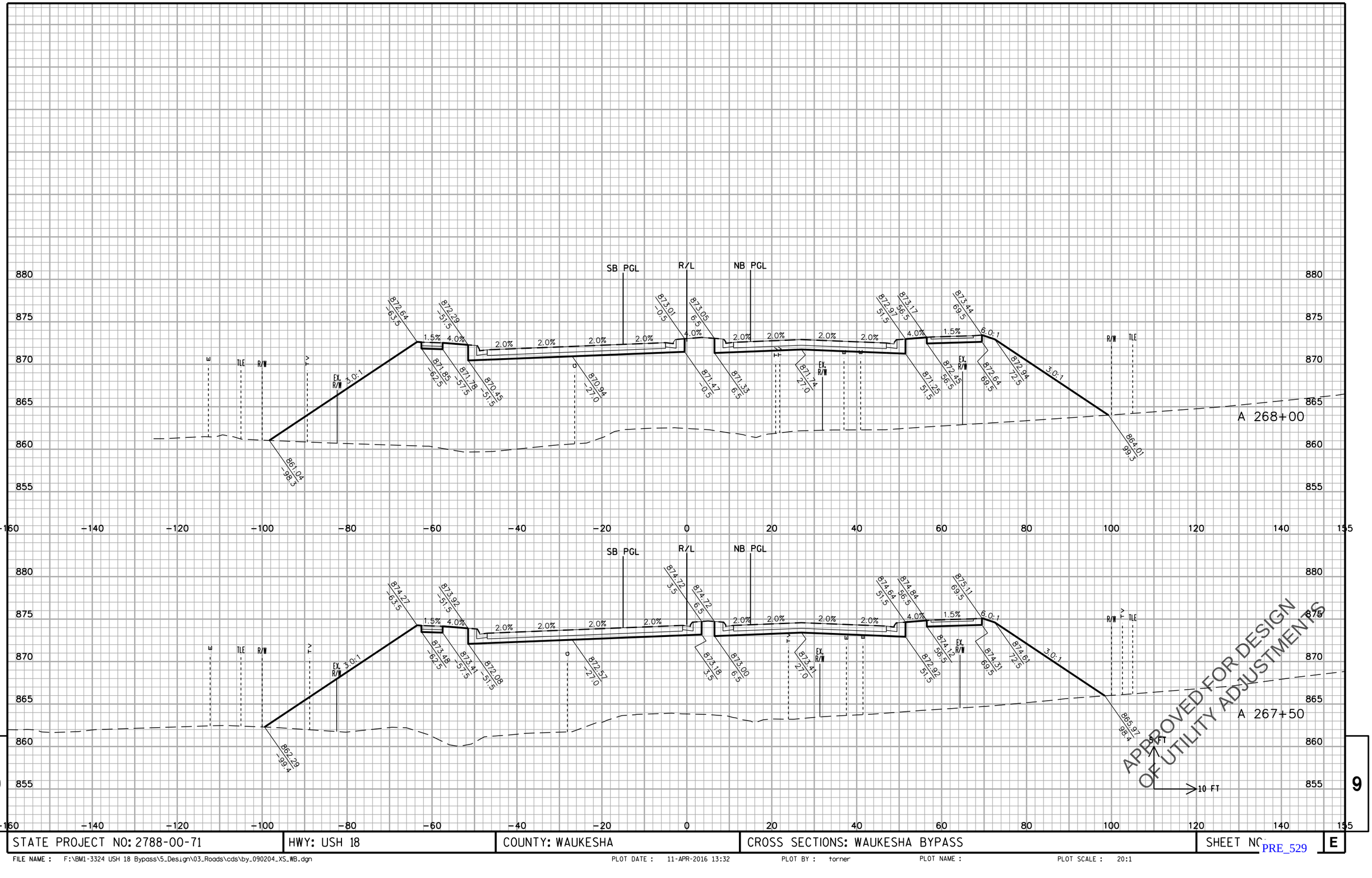
FILE NAME : F:\BM1-3324 USH 18 Bypass\5_Design\03_Roads\cds\by_090204_XS_WB.dgn PLOT DATE : 11-APR-2016 13:32 PLOT BY : torner PLOT NAME : PLOT SCALE : 20:1



STATE PROJECT NO: 2788-00-71	HWY: USH 18	COUNTY: WAUKESHA	CROSS SECTIONS: WAUKESHA BYPASS	SHEET NO.	E

FILE NAME : F:\BM1-3324 USH 18 Bypass\5_Design\03_Roads\cds\by_090204_XS_WB.dgn PLOT DATE : 11-APR-2016 13:32 PLOT BY : torner PLOT NAME : PLOT SCALE : 20:1

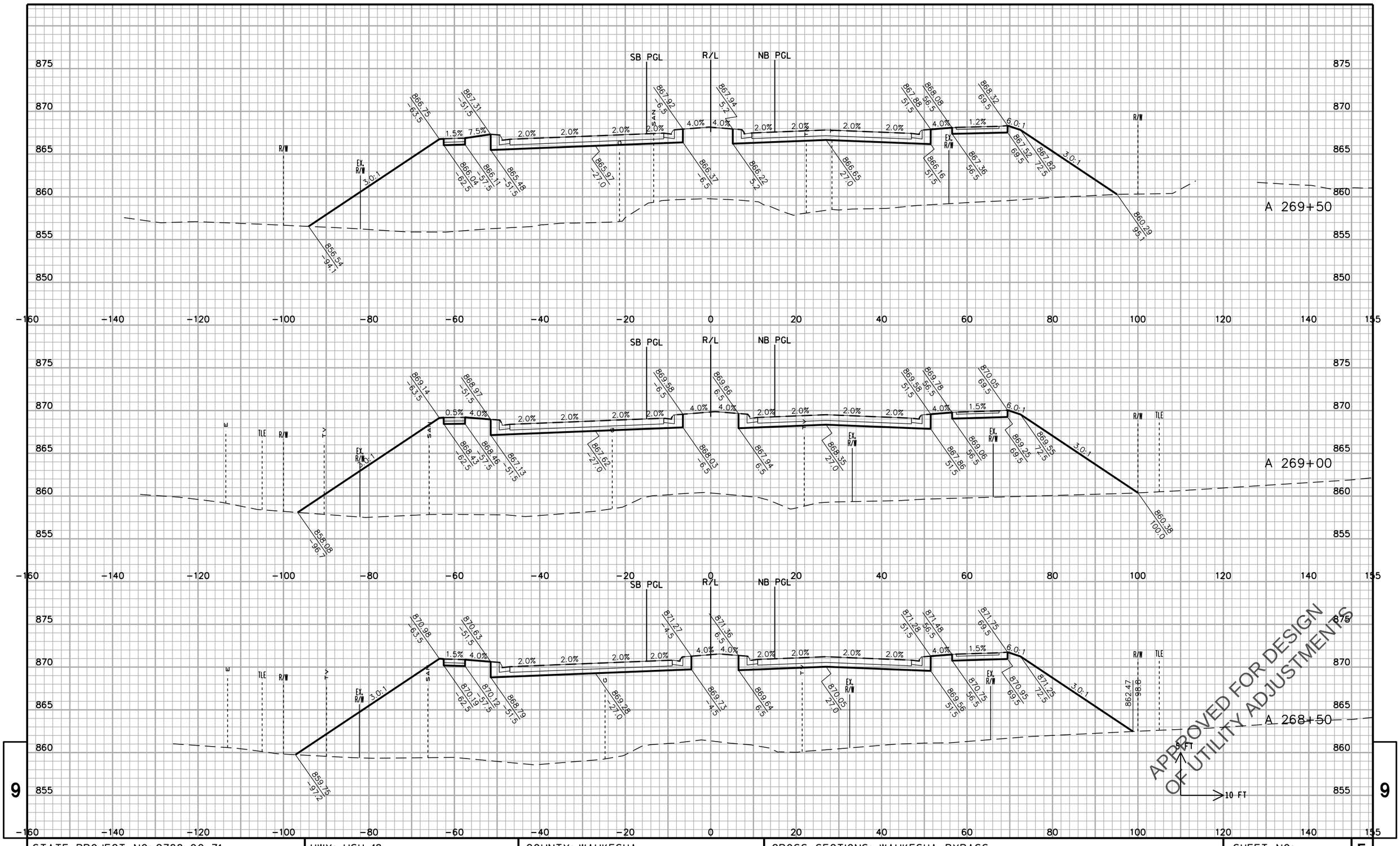
PRE_528



STATE PROJECT NO: 2788-00-71	HWY: USH 18	COUNTY: WAUKESHA	CROSS SECTIONS: WAUKESHA BYPASS	SHEET NO.	E

PRE_529

FILE NAME : F:\BM1-3324 USH 18 Bypass\5_Design\03_Roads\cds\by_090204_XS_WB.dgn PLOT DATE : 11-APR-2016 13:32 PLOT BY : torner PLOT NAME : PLOT SCALE : 20:1

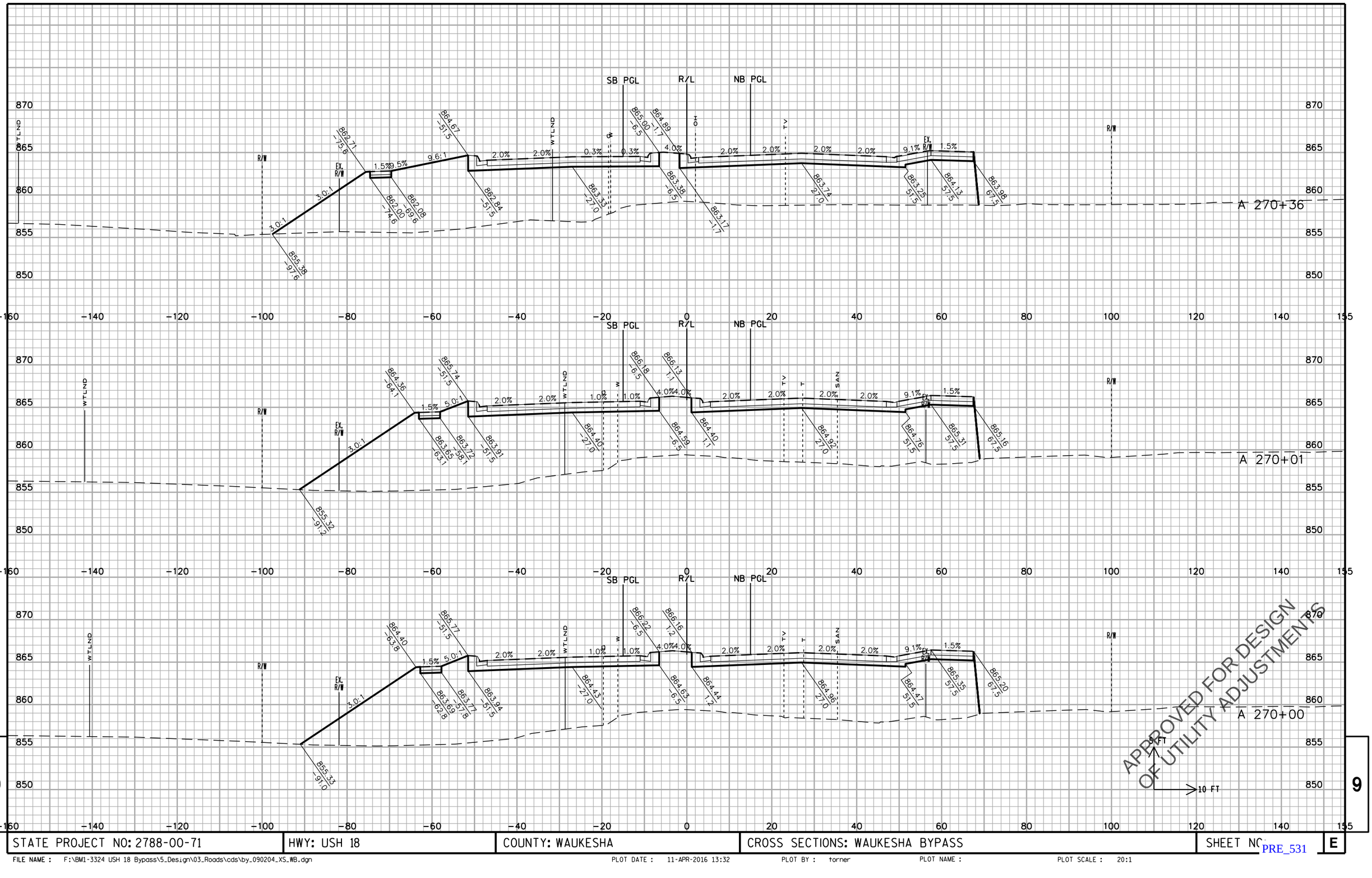


9

STATE PROJECT NO: 2788-00-71	HWY: USH 18	COUNTY: WAUKESHA	CROSS SECTIONS: WAUKESHA BYPASS	SHEET NO	E

FILE NAME : F:\BM1-3324 USH 18 Bypass\5_Design\03_Roads\cds\by_090204_XS_WB.dgn PLOT DATE : 11-APR-2016 13:32 PLOT BY : torner PLOT NAME : PLOT SCALE : 20:1

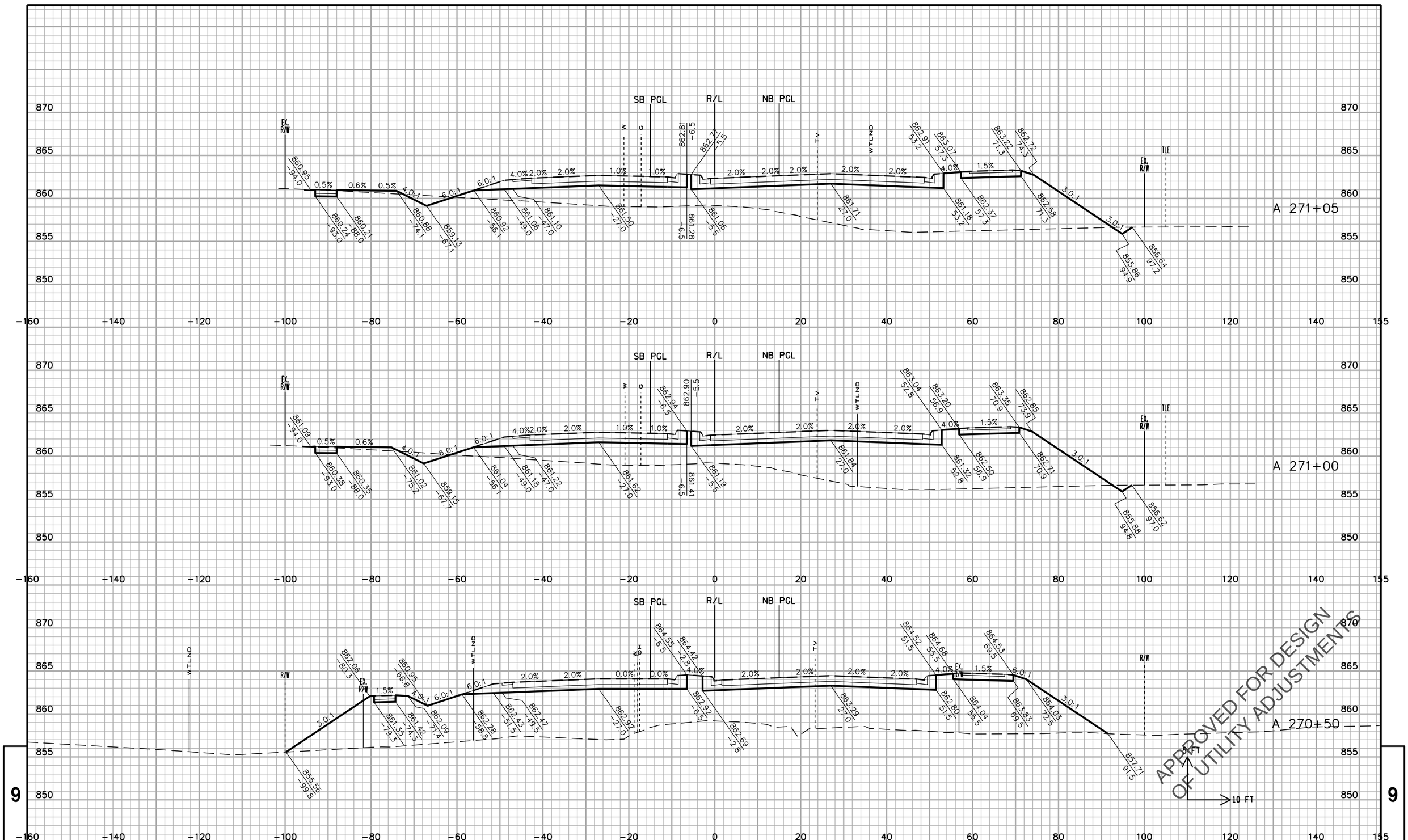
PRE_530



STATE PROJECT NO: 2788-00-71	HWY: USH 18	COUNTY: WAUKESHA	CROSS SECTIONS: WAUKESHA BYPASS	SHEET NO.	E

FILE NAME : F:\BM1-3324 USH 18 Bypass\5_Design\03_Roads\cds\by_090204_XS_WB.dgn PLOT DATE : 11-APR-2016 13:32 PLOT BY : torner PLOT NAME : PLOT SCALE : 20:1

PRE_531



STATE PROJECT NO: 2788-00-71 | HWY: USH 18 | COUNTY: WAUKESHA | CROSS SECTIONS: WAUKESHA BYPASS | SHEET NO. | E

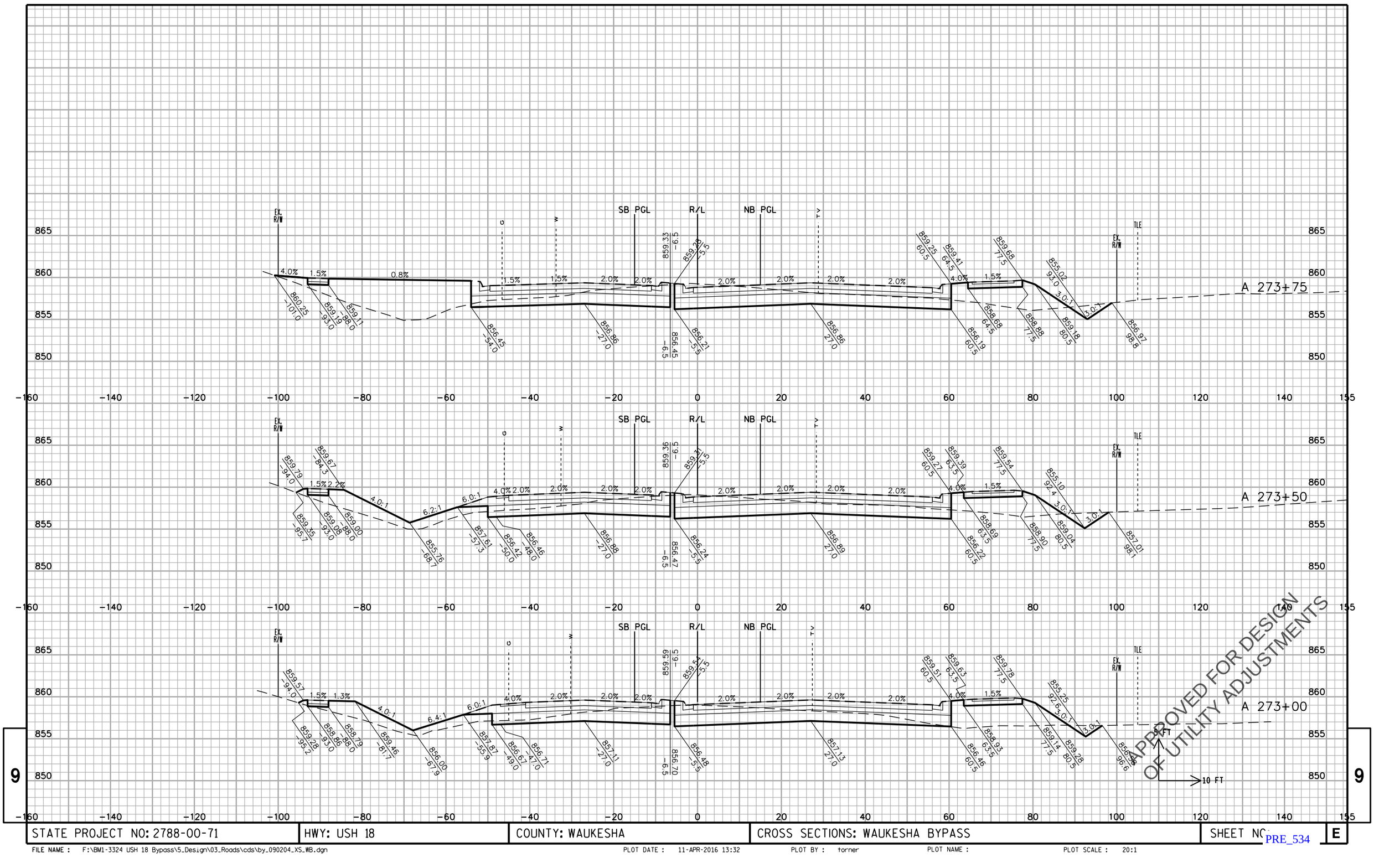
FILE NAME : F:\BM1-3324 USH 18 Bypass\5_Design\03_Roads\cds\by_090204_XS_WB.dgn PLOT DATE : 11-APR-2016 13:32 PLOT BY : torner PLOT NAME : PLOT SCALE : 20:1

APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS

STATE PROJECT NO: 2788-00-71	HWY: USH 18	COUNTY: WAUKESHA	CROSS SECTIONS: WAUKESHA BYPASS	SHEET NO.	E

FILE NAME : F:\BM1-3324 USH 18 Bypass\5_Design\03_Roads\cds\by_090204_XS_WB.dgn PLOT DATE : 11-APR-2016 13:32 PLOT BY : torner PLOT NAME : PLOT SCALE : 20:1

PRE_533

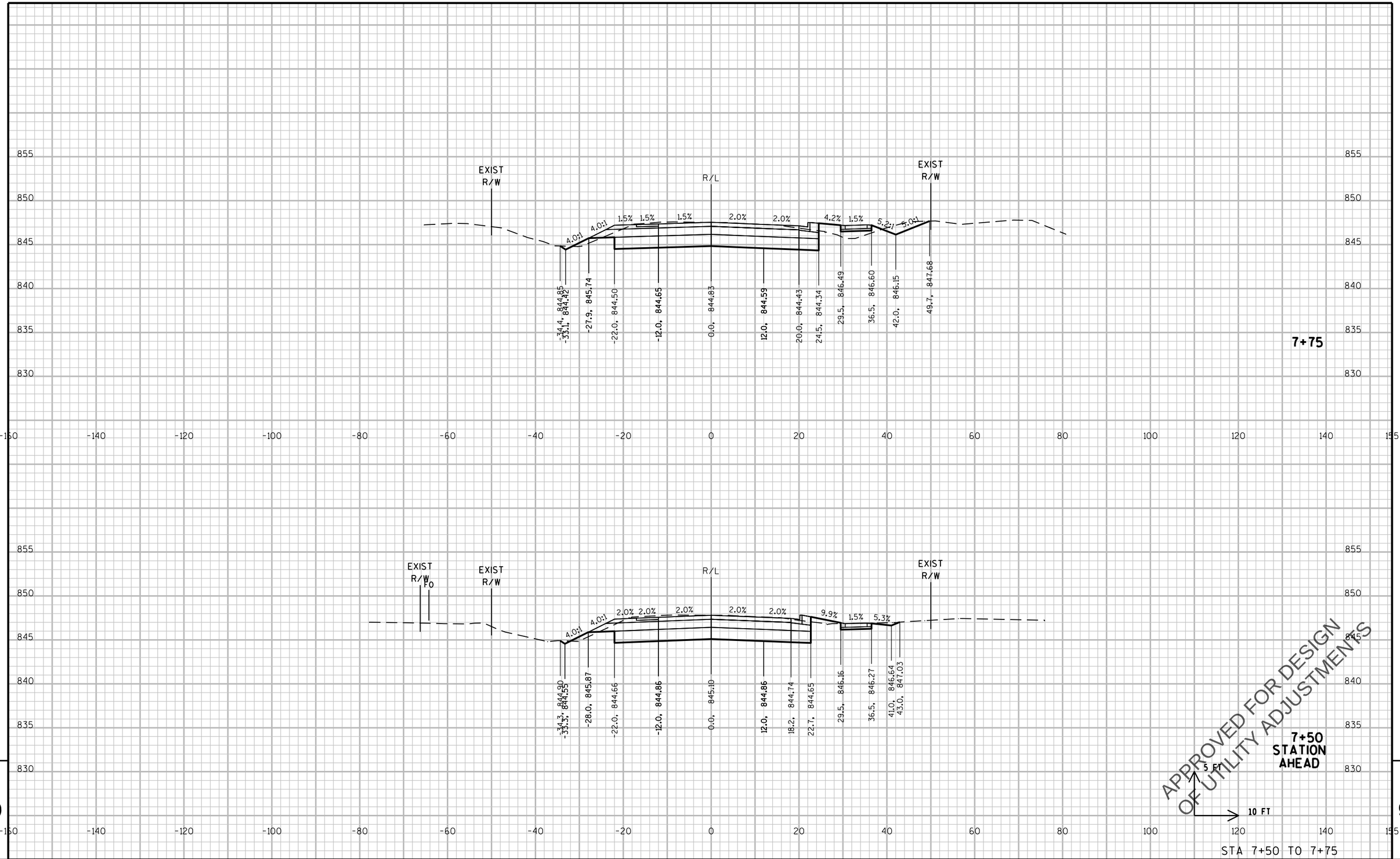


STATE PROJECT NO: 2788-00-71	HWY: USH 18	COUNTY: WAUKESHA	CROSS SECTIONS: WAUKESHA BYPASS	SHEET NO.	E

FILE NAME : F:\BM1-3324 USH 18 Bypass\5_Design\03_Roads\cds\by_090204_XS_WB.dgn PLOT DATE : 11-APR-2016 13:32 PLOT BY : torner PLOT NAME : PLOT SCALE : 20:1

PRE_534

9



9

9

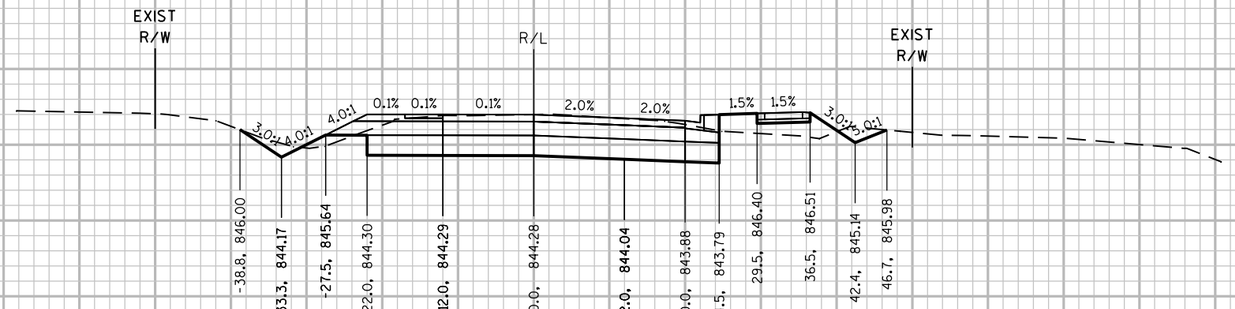
STA 7+50 TO 7+75

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: SAYLESVILLE ROAD	SHEET E

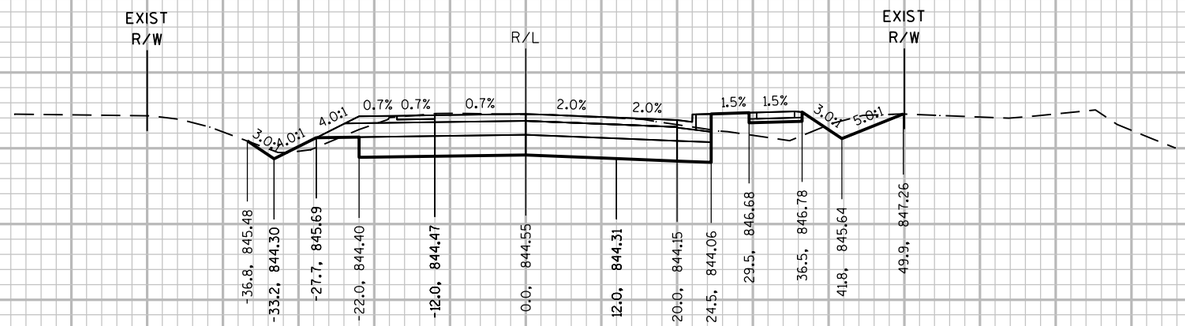
PRE_535

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090301_XS_SA.dgn PLOT DATE : 4/11/2016 10:11:59 AM PLOT BY : dbaumann PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



8+25



8+00

APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS

5 FT
10 FT

STA 8+00 TO 8+25

9

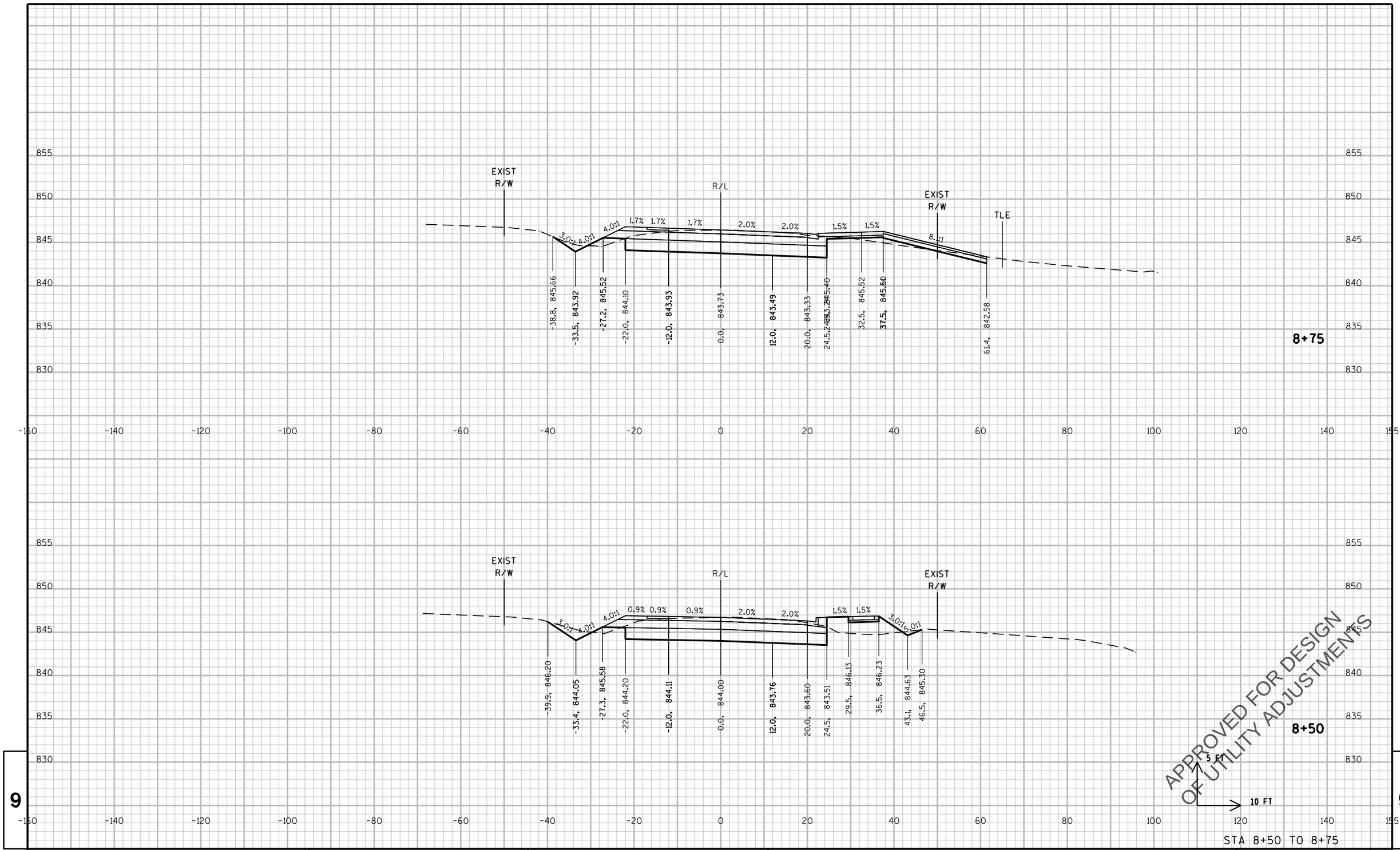
9

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: SAYLESVILLE ROAD	SHEET E

PRE_536

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090301_XS_SA.dgn PLOT DATE : 4/11/2016 10:12:00 AM PLOT BY : dbaumann PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



9

9

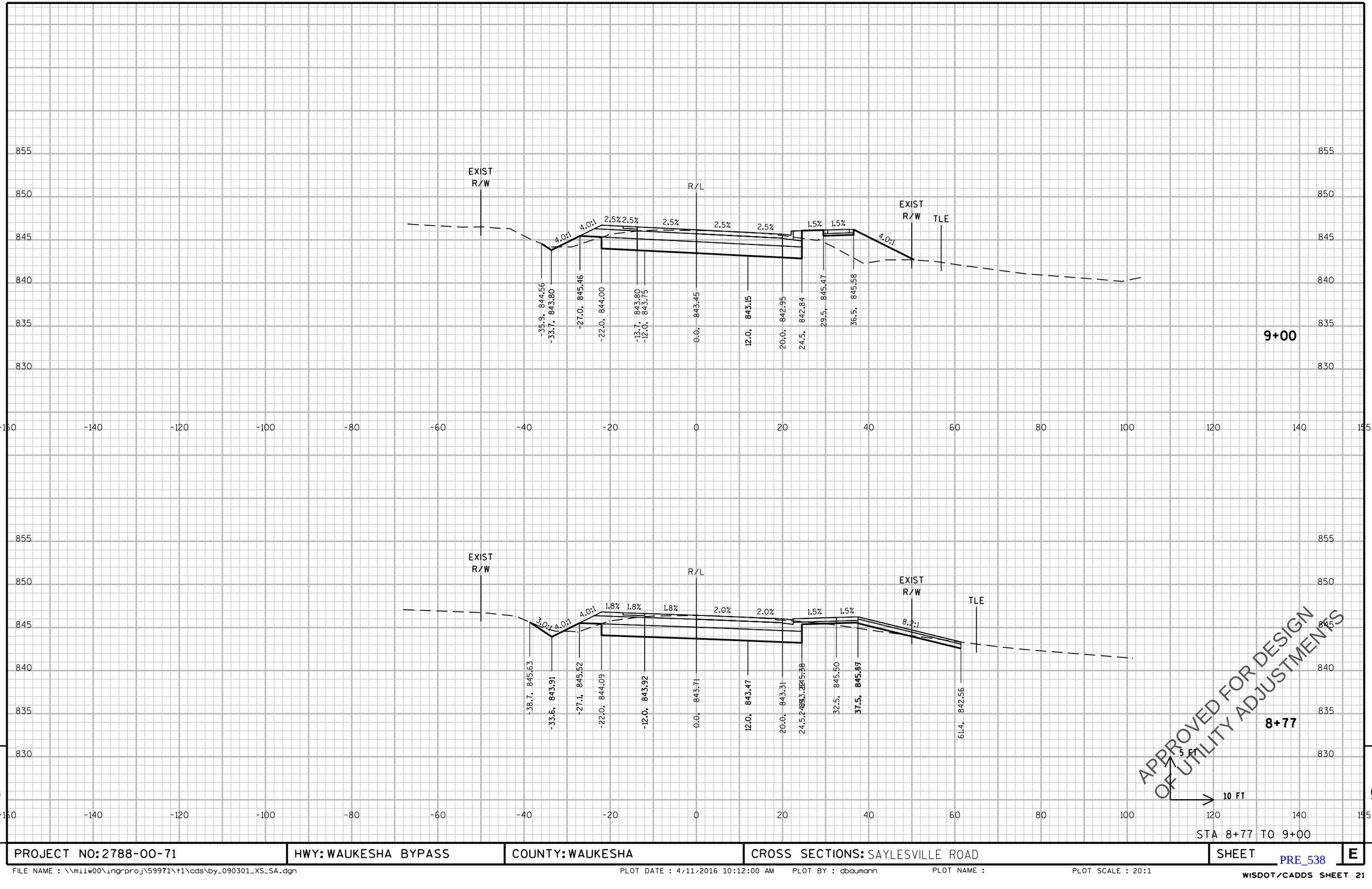
STA 8+50 TO 8+75

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: SAYLESVILLE ROAD	SHEET E

PRE_537

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090301_XS_SA.dgn PLOT DATE : 4/11/2016 10:12:00 AM PLOT BY : dbaumann PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

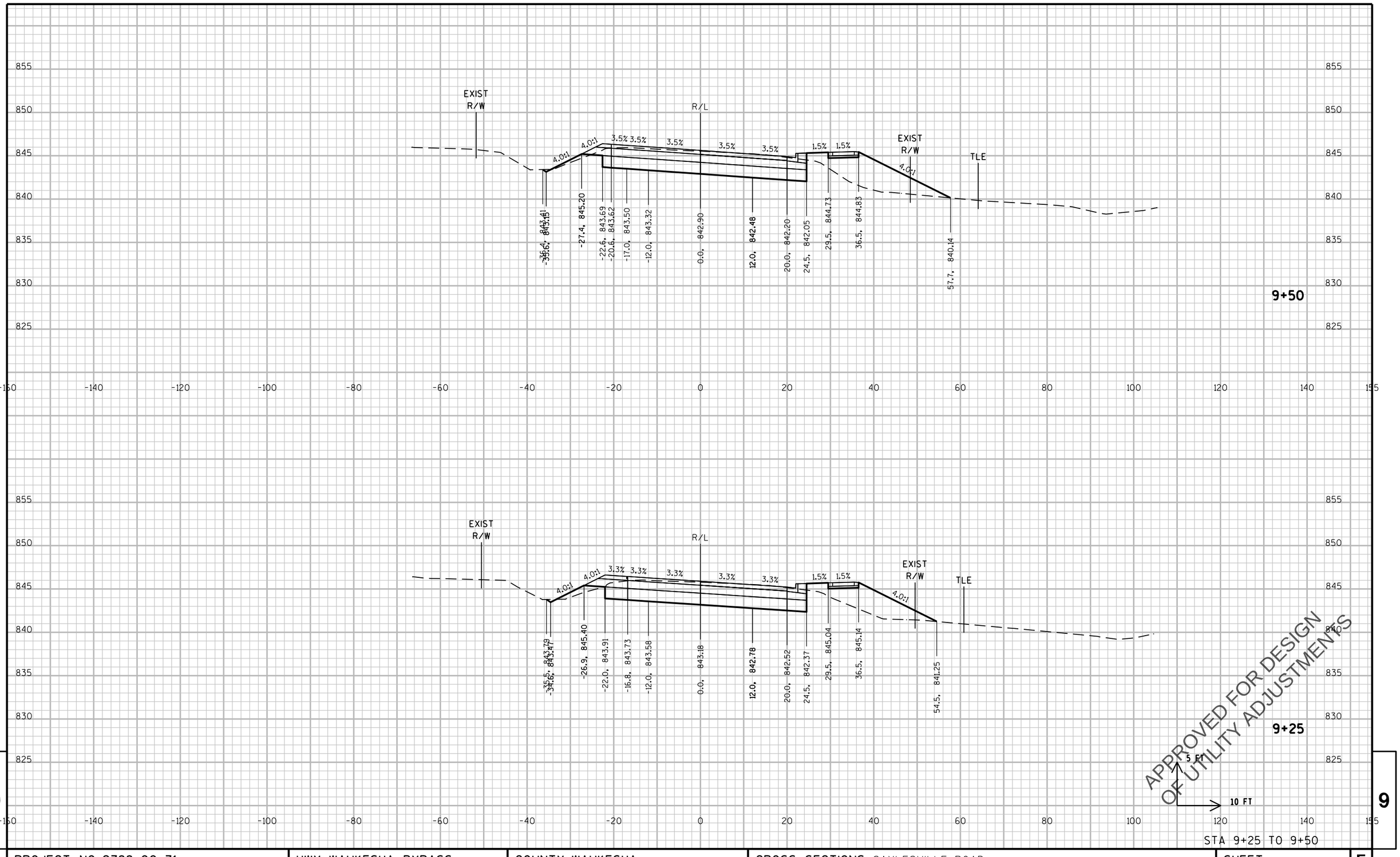


PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: SAYLESVILLE ROAD	SHEET	E

PRE_538

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090301_XS_SA.dgn PLOT DATE : 4/11/2016 10:12:00 AM PLOT BY : dbaumann PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

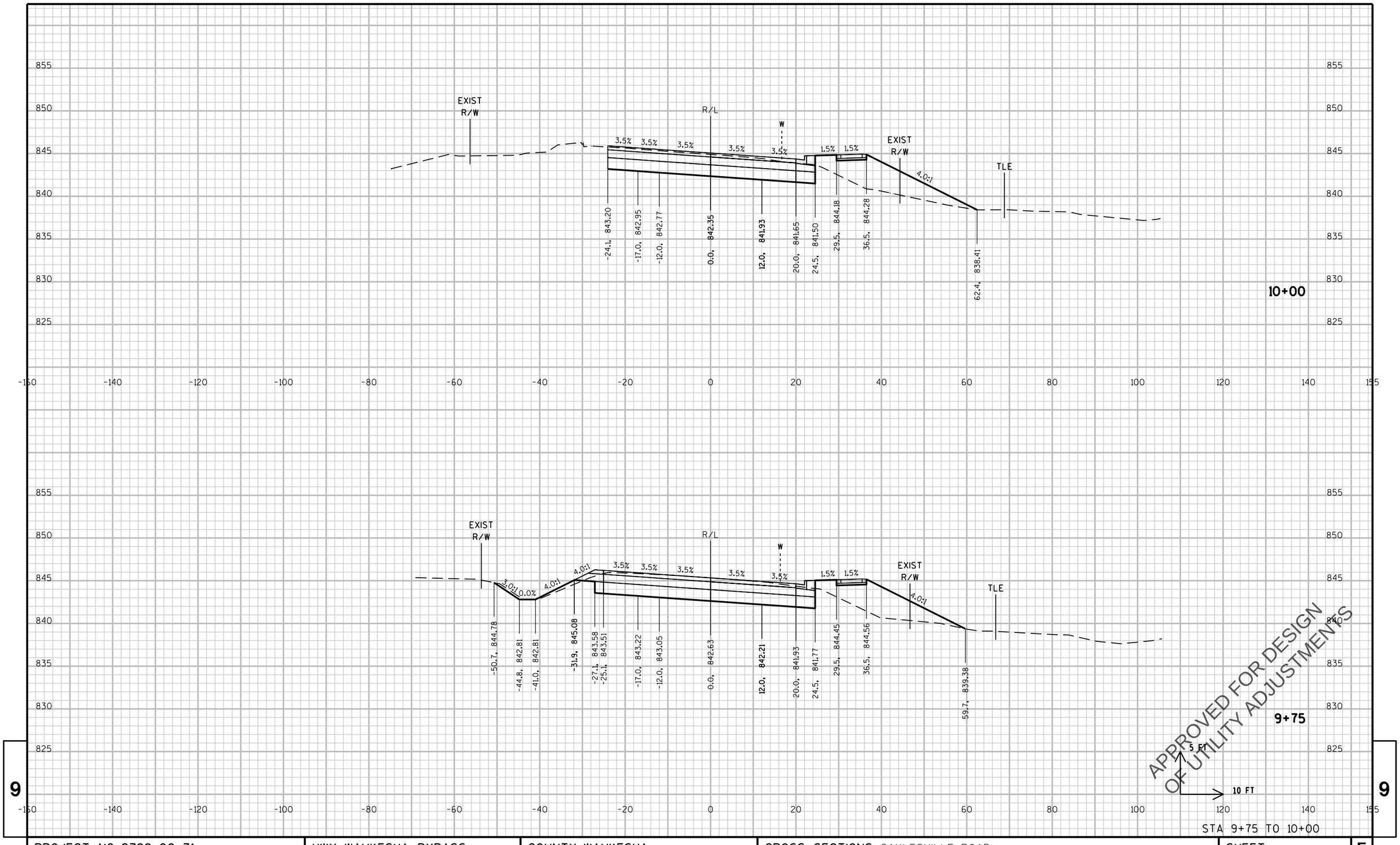


PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: SAYLESVILLE ROAD	SHEET	E

PRE_539

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090301_XS_SA.dgn PLOT DATE : 4/11/2016 10:12:01 AM PLOT BY : dbaumann PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

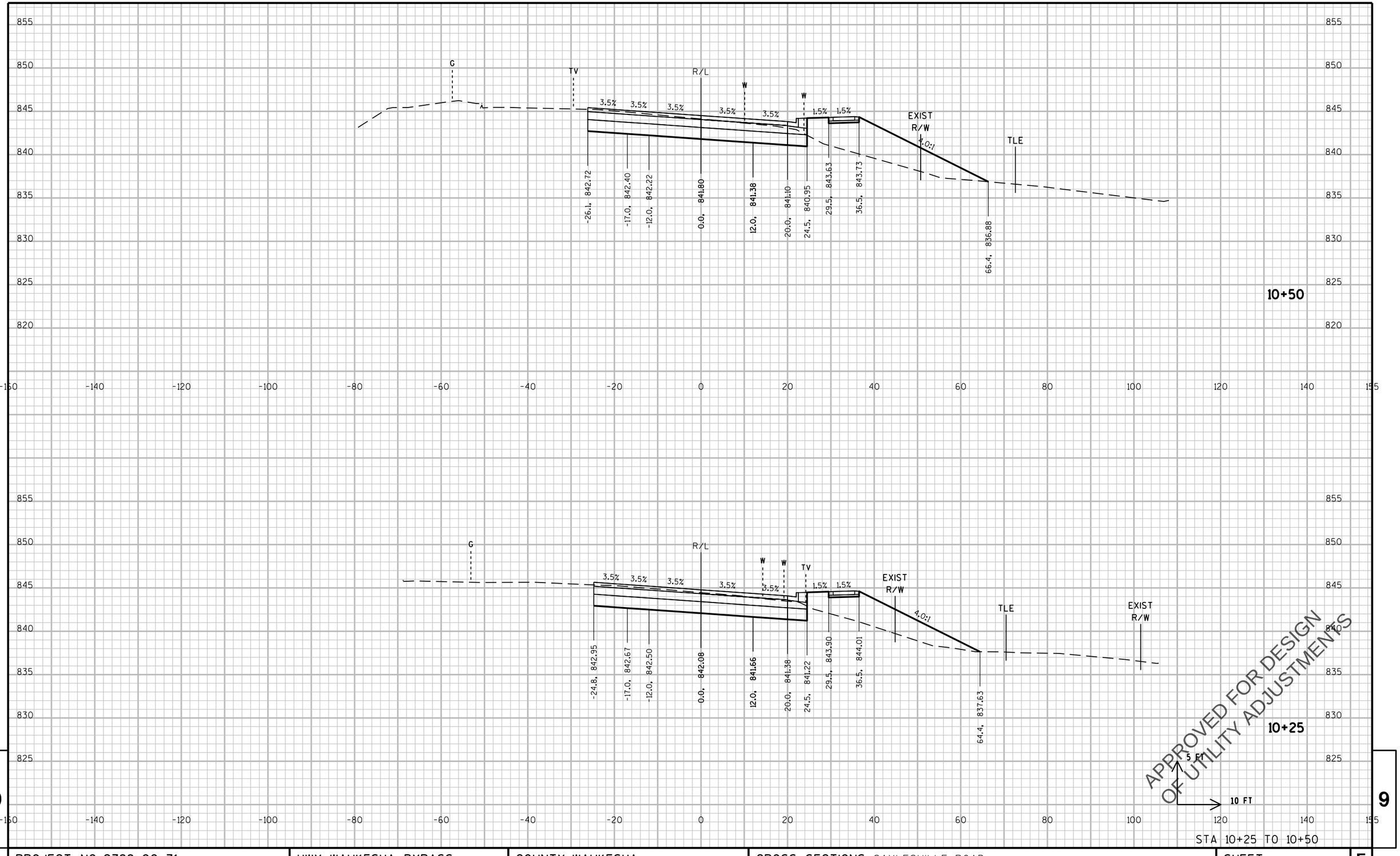


PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: SAYLESVILLE ROAD	SHEET E

PRE_540

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090301_XS_SA.dgn PLOT DATE : 4/11/2016 10:12:01 AM PLOT BY : dbaumann PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

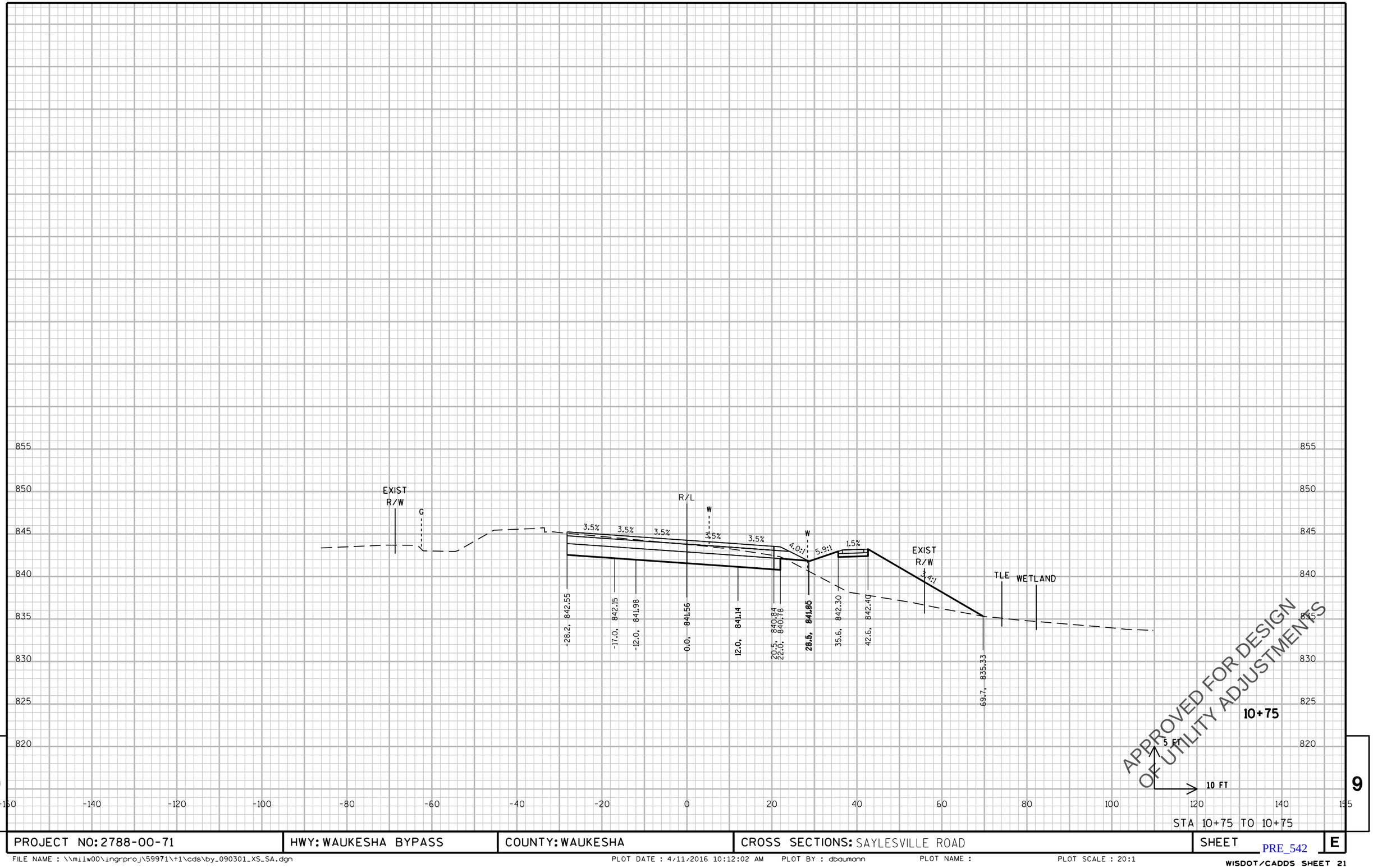


PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: SAYLESVILLE ROAD	SHEET	E

PRE_541

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090301_XS_SA.dgn PLOT DATE : 4/11/2016 10:12:02 AM PLOT BY : dbaumann PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



9 9

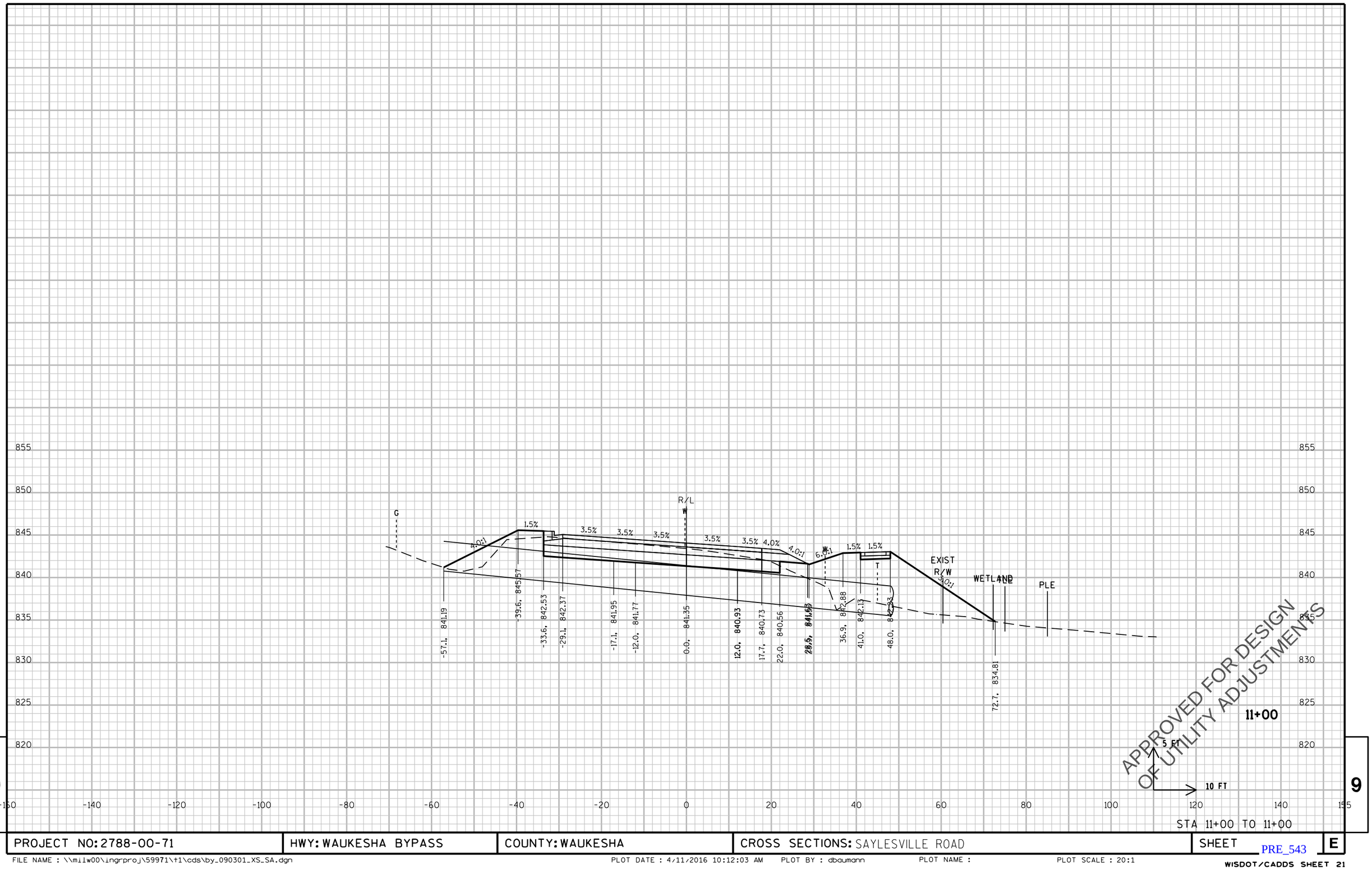
STA 10+75 TO 10+75

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: SAYLESVILLE ROAD	SHEET E

PRE_542

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090301_XS_SA.dgn PLOT DATE : 4/11/2016 10:12:02 AM PLOT BY : dbaumann PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS

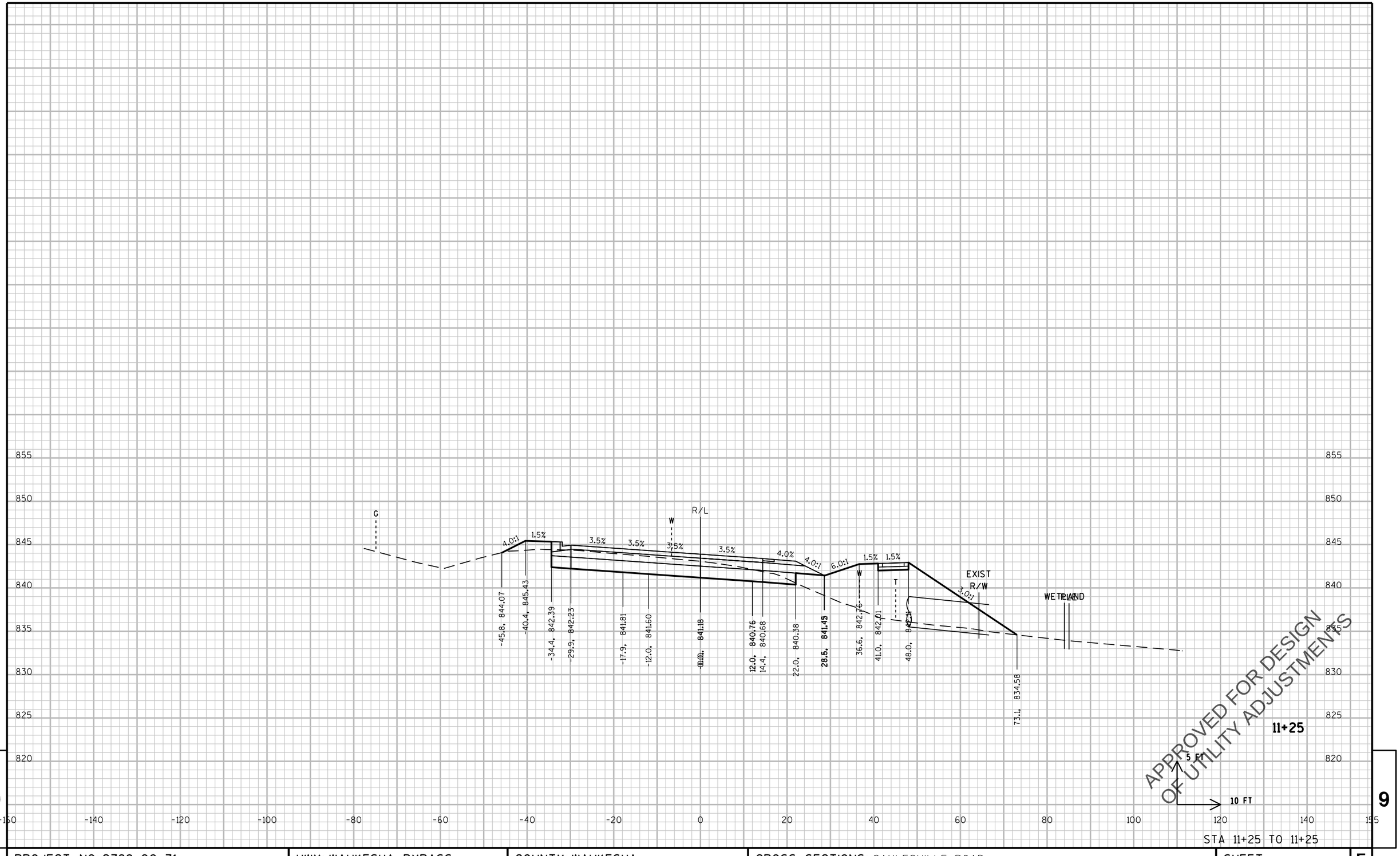
STA 11+00 TO 11+00

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: SAYLESVILLE ROAD	SHEET E

PRE_543

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090301_XS_SA.dgn PLOT DATE : 4/11/2016 10:12:03 AM PLOT BY : dbaumann PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



9

STA 11+25 TO 11+25

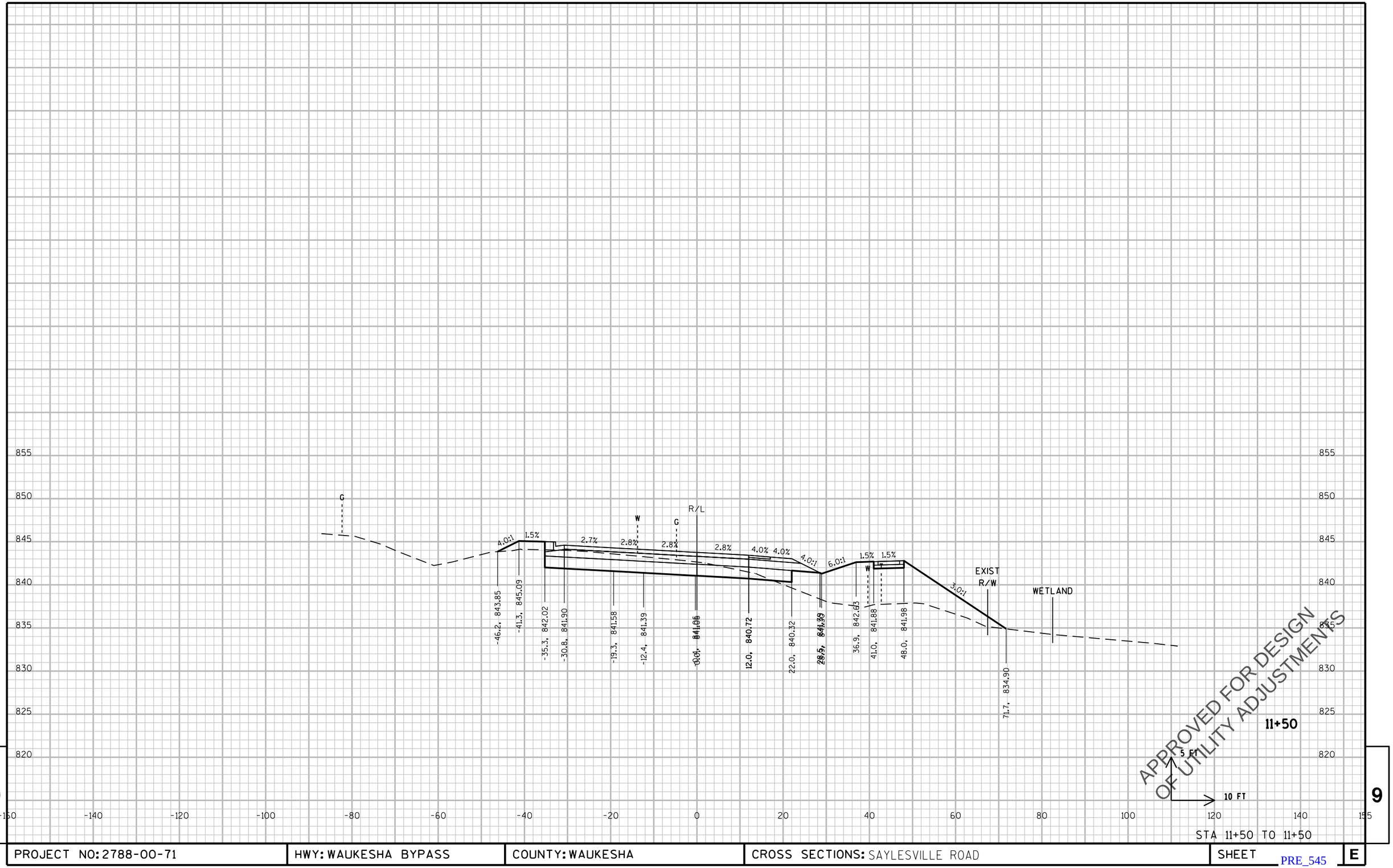
9

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: SAYLESVILLE ROAD	SHEET E

PRE_544

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090301_XS_SA.dgn PLOT DATE : 4/11/2016 10:12:03 AM PLOT BY : dbaumann PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



9 9

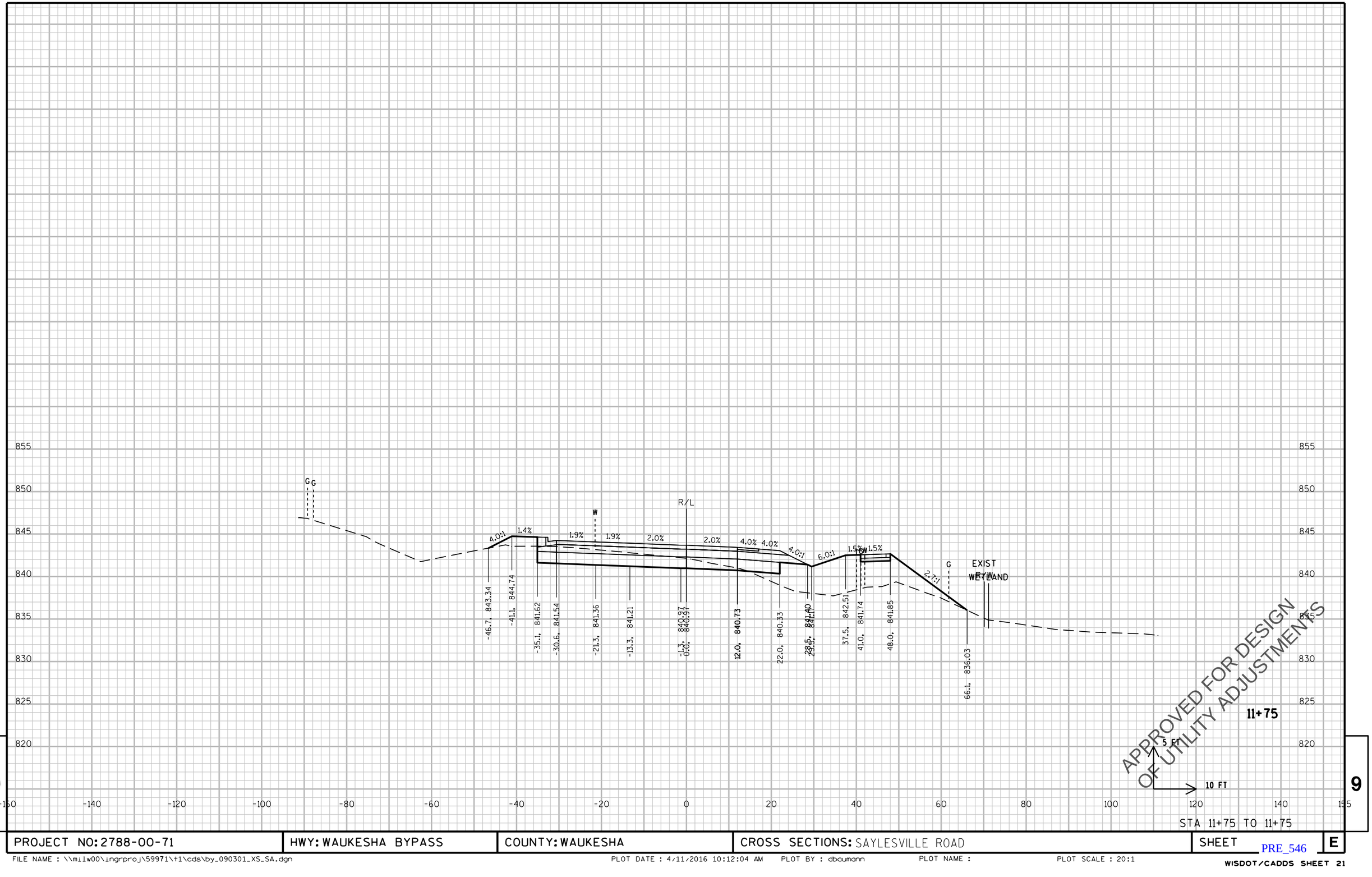
STA 11+50 TO 11+50

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: SAYLESVILLE ROAD	SHEET E

PRE_545

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090301_XS_SA.dgn PLOT DATE : 4/11/2016 10:12:03 AM PLOT BY : dbaumann PLOT NAME : PLOT SCALE : 20:1

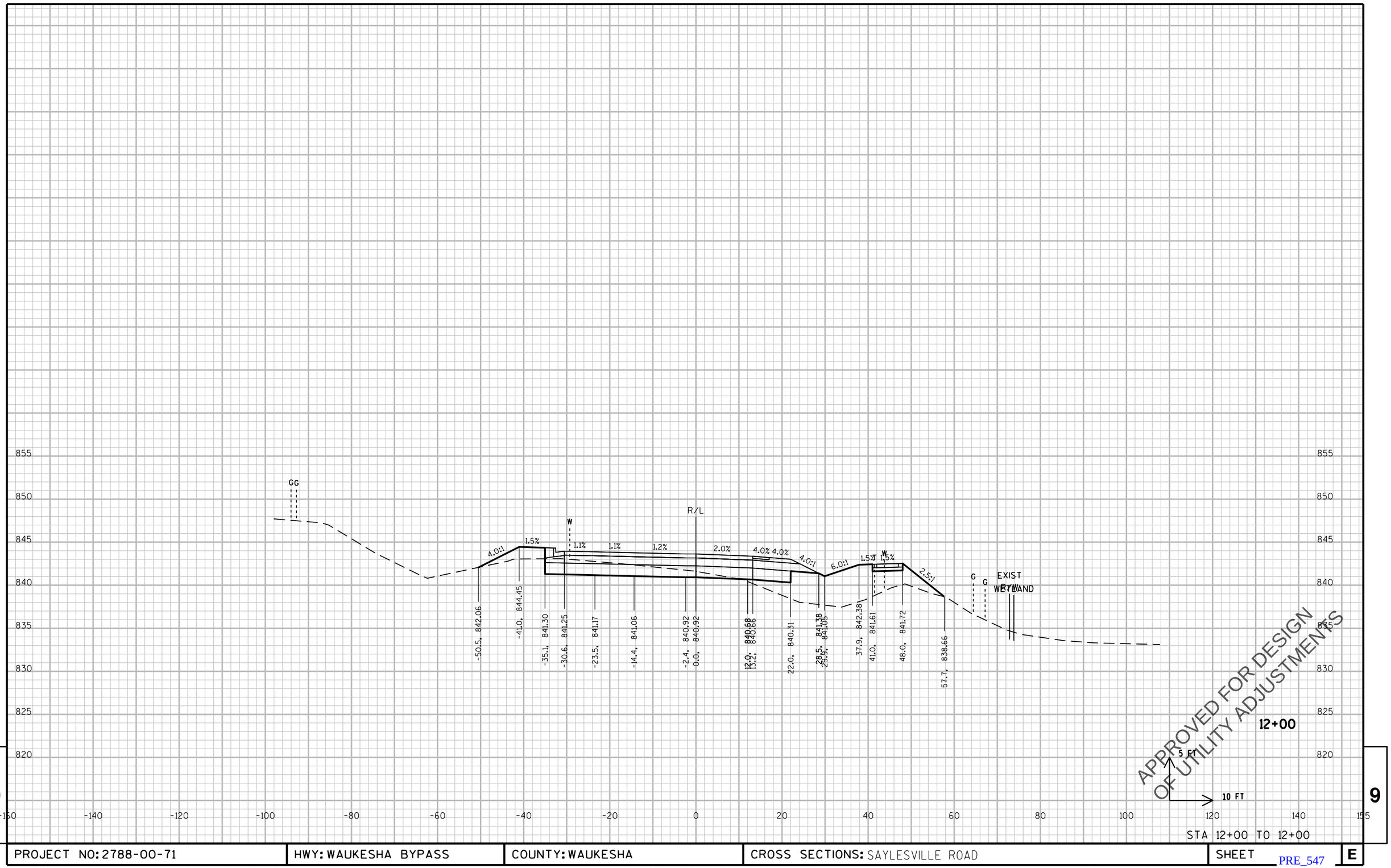
WISDOT/CADDS SHEET 21



STA 11+75 TO 11+75

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: SAYLESVILLE ROAD	SHEET E

PRE_546



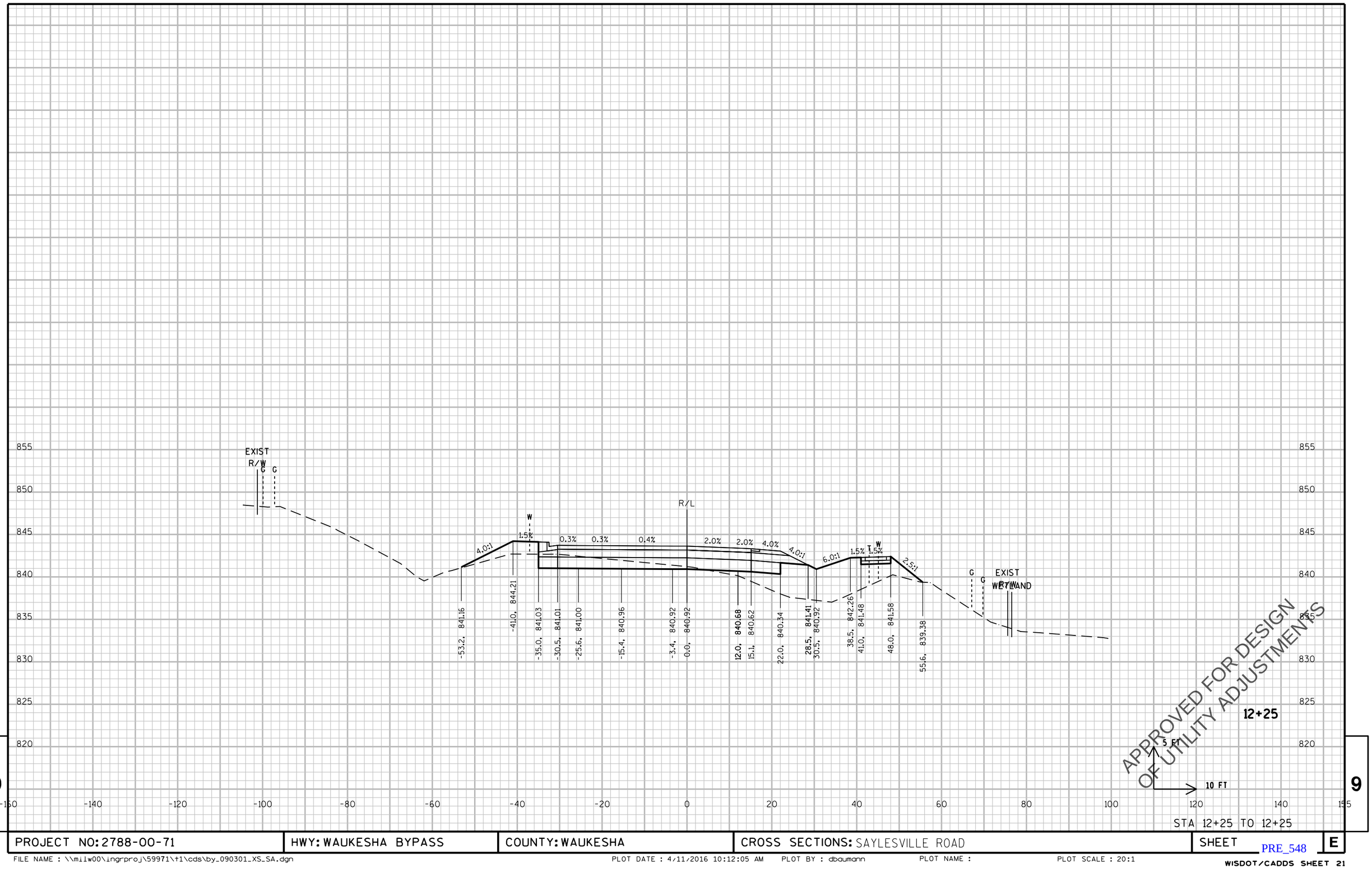
STA 12+00 TO 12+00

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: SAYLESVILLE ROAD	SHEET E

PRE_547

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090301_XS_SA.dgn PLOT DATE : 4/11/2016 10:12:04 AM PLOT BY : dbaumann PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



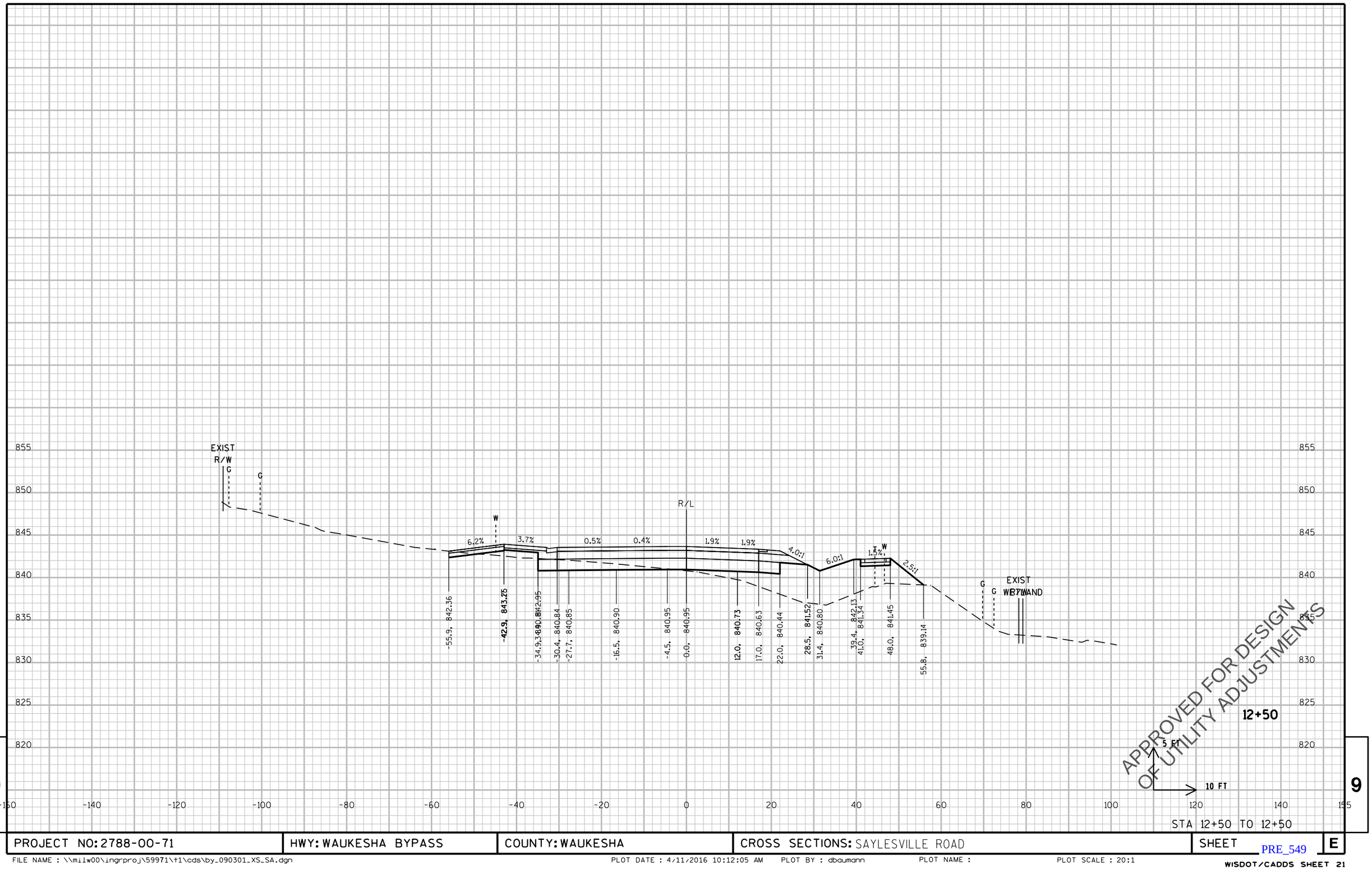
STA 12+25 TO 12+25

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: SAYLESVILLE ROAD	SHEET E

PRE_548

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090301_XS_SA.dgn PLOT DATE : 4/11/2016 10:12:05 AM PLOT BY : dbaumann PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

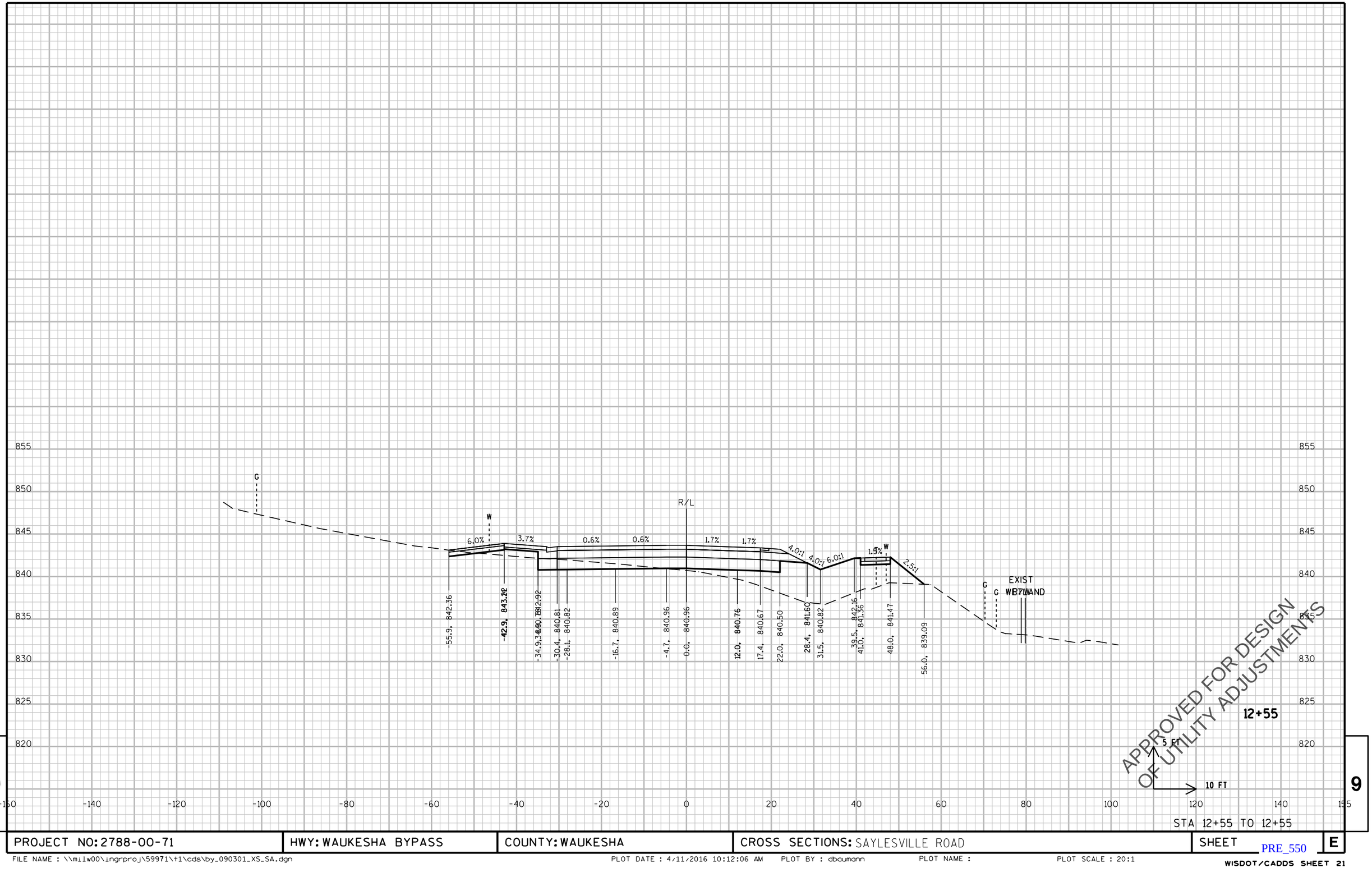


9 9

STA 12+50 TO 12+50

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: SAYLESVILLE ROAD	SHEET E

PRE_549



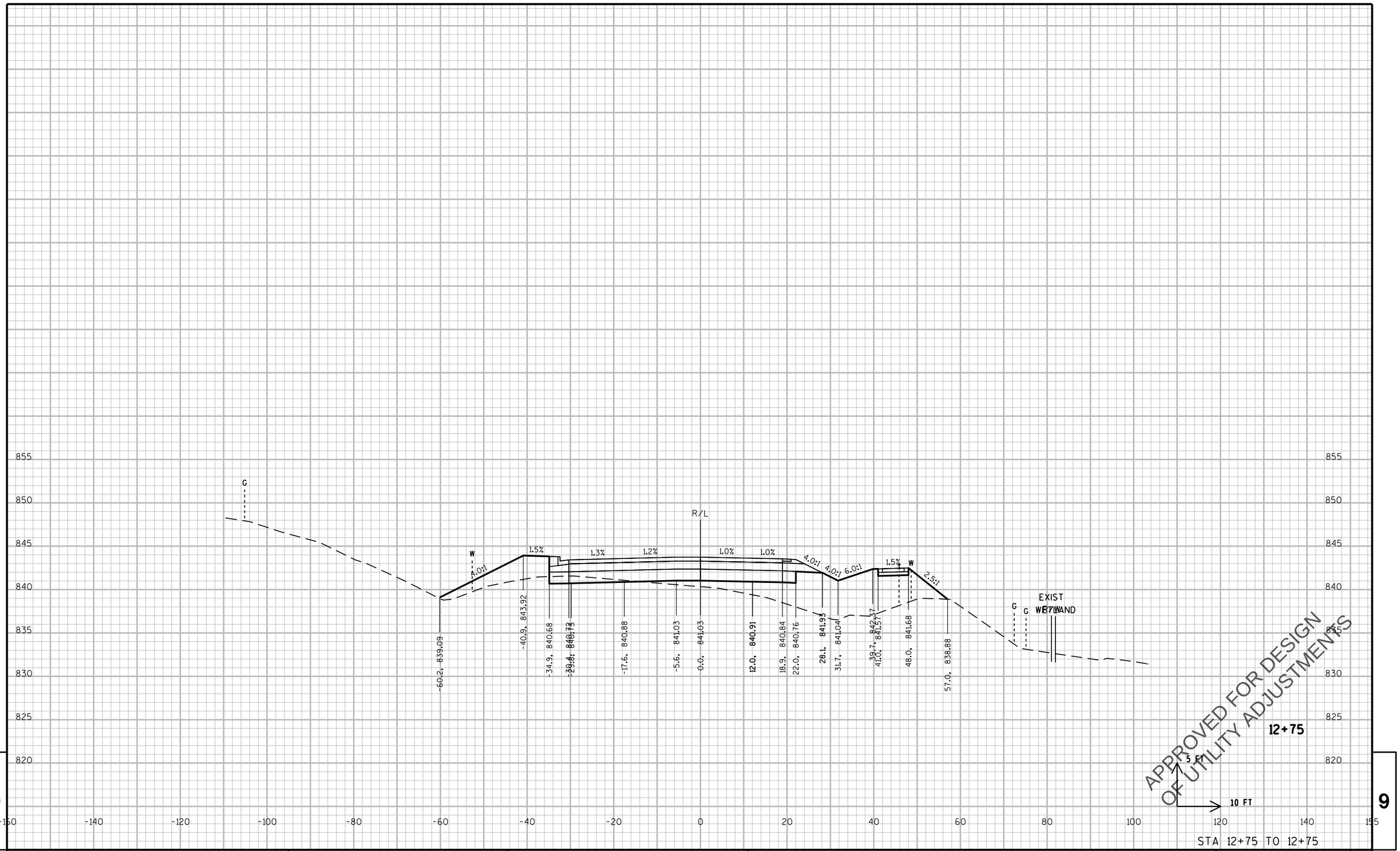
STA 12+55 TO 12+55

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: SAYLESVILLE ROAD	SHEET E

PRE_550

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090301_XS_SA.dgn PLOT DATE : 4/11/2016 10:12:06 AM PLOT BY : dbaumann PLOT NAME : PLOT SCALE : 20:1

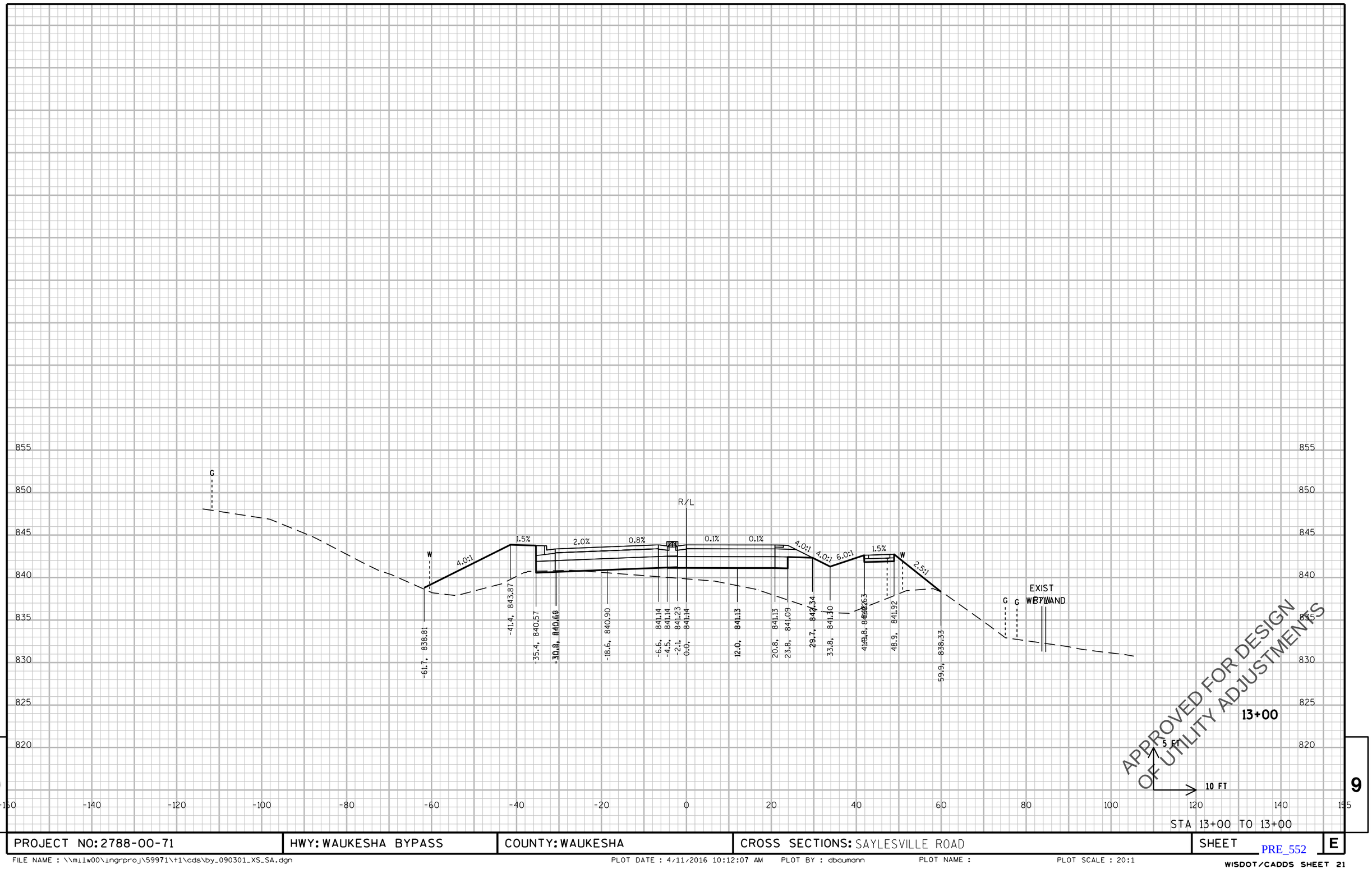
WISDOT/CADDS SHEET 21



STA 12+75 TO 12+75

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: SAYLESVILLE ROAD	SHEET E

PRE_551



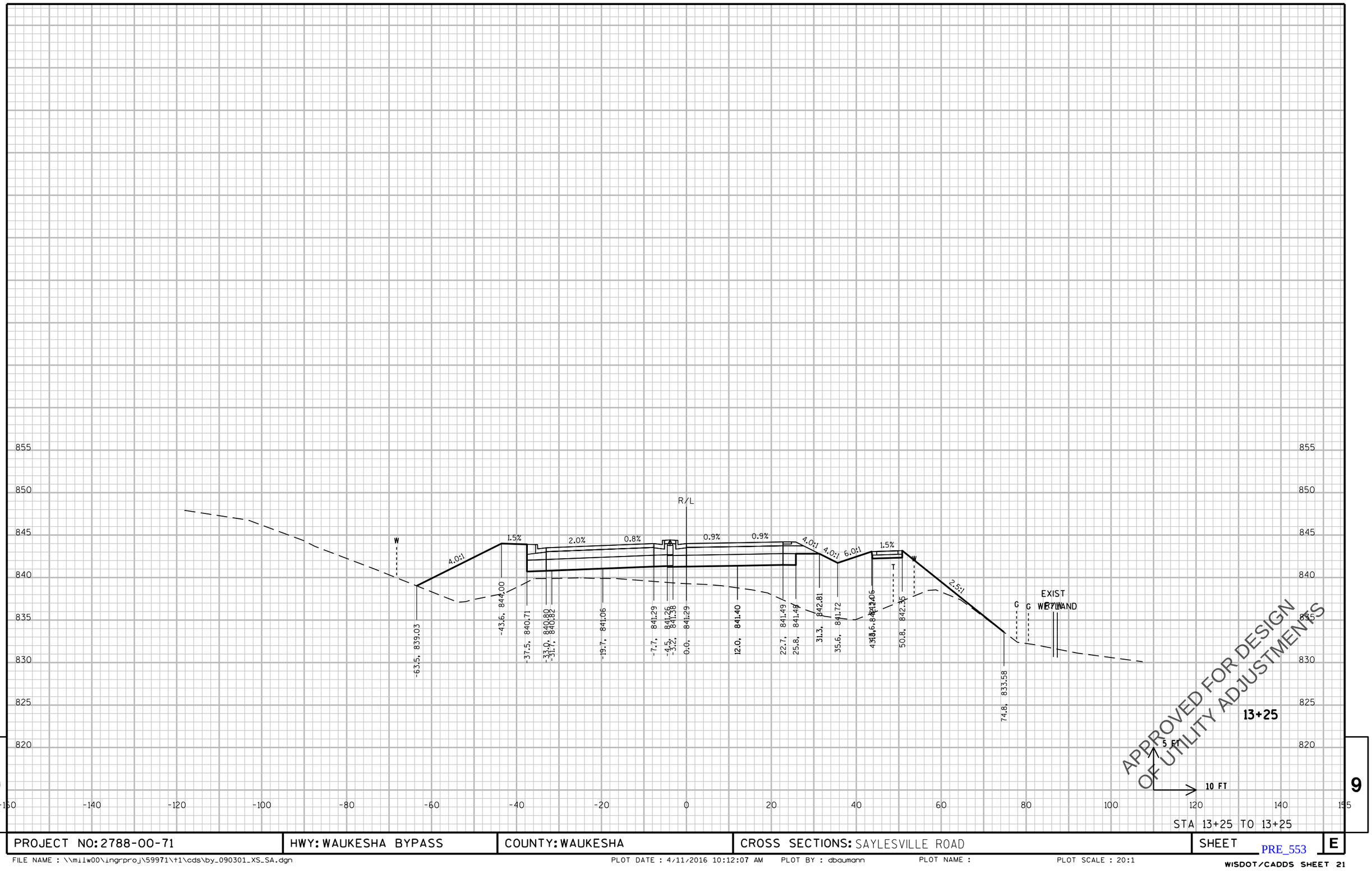
STA 13+00 TO 13+00

9 9

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: SAYLESVILLE ROAD	SHEET E

PRE_552

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090301_XS_SA.dgn PLOT DATE : 4/11/2016 10:12:07 AM PLOT BY : dbaumann PLOT NAME : PLOT SCALE : 20:1

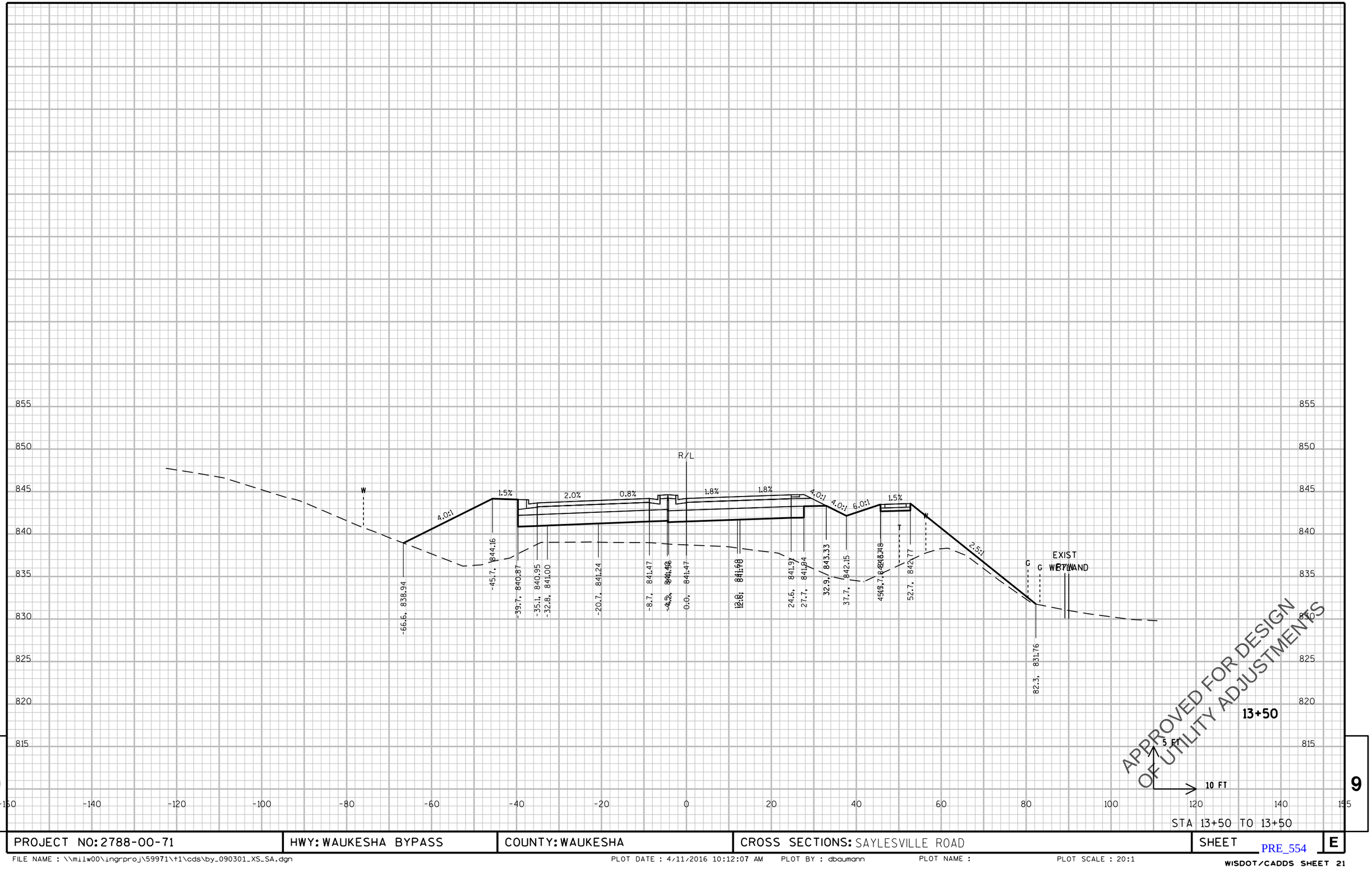


PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: SAYLESVILLE ROAD	SHEET E

PRE_553

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090301_XS_SA.dgn PLOT DATE : 4/11/2016 10:12:07 AM PLOT BY : dbaumann PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



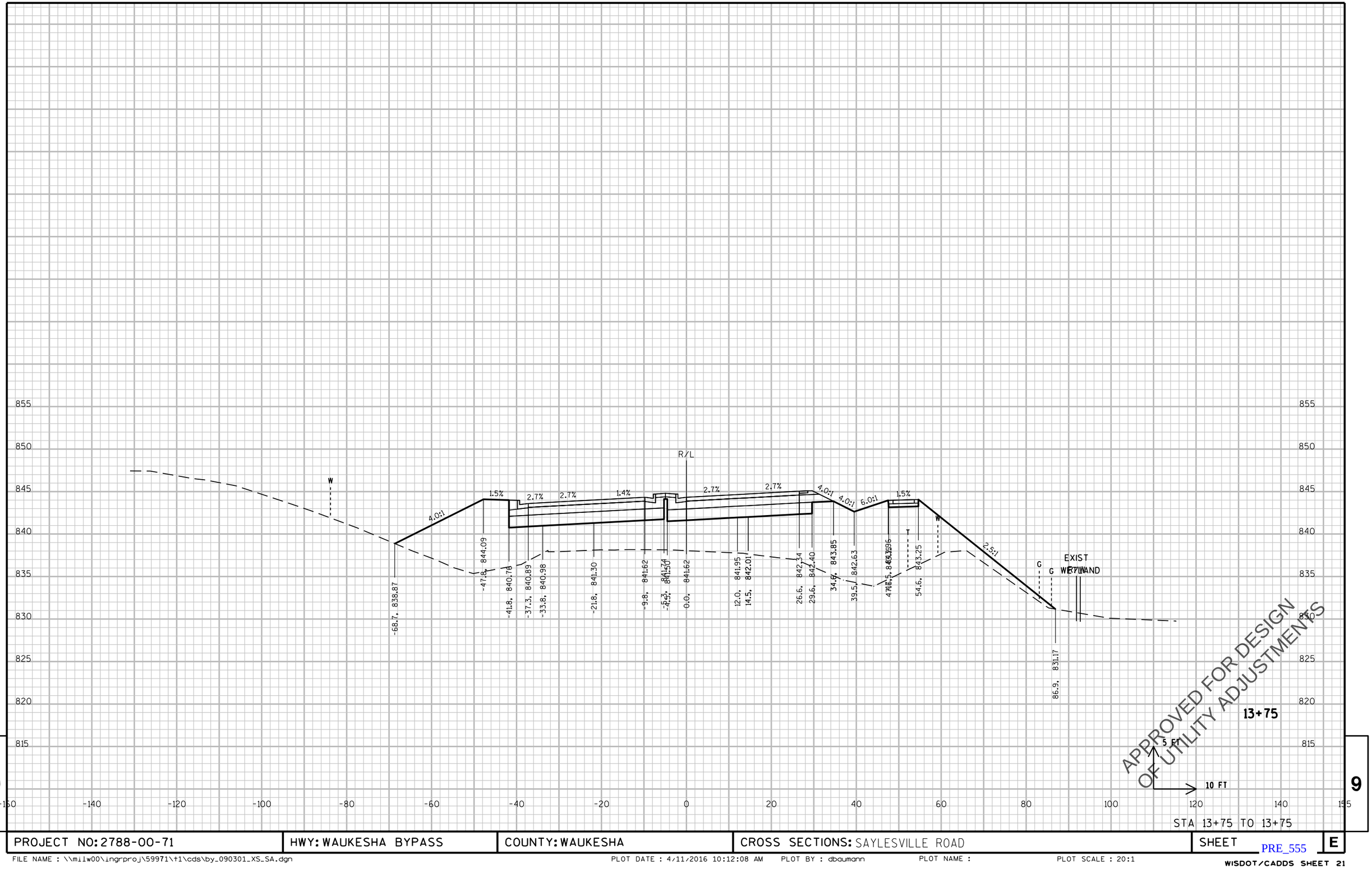
STA 13+50 TO 13+50

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: SAYLESVILLE ROAD	SHEET E

PRE_554

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090301_XS_SA.dgn PLOT DATE : 4/11/2016 10:12:07 AM PLOT BY : dbaumann PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



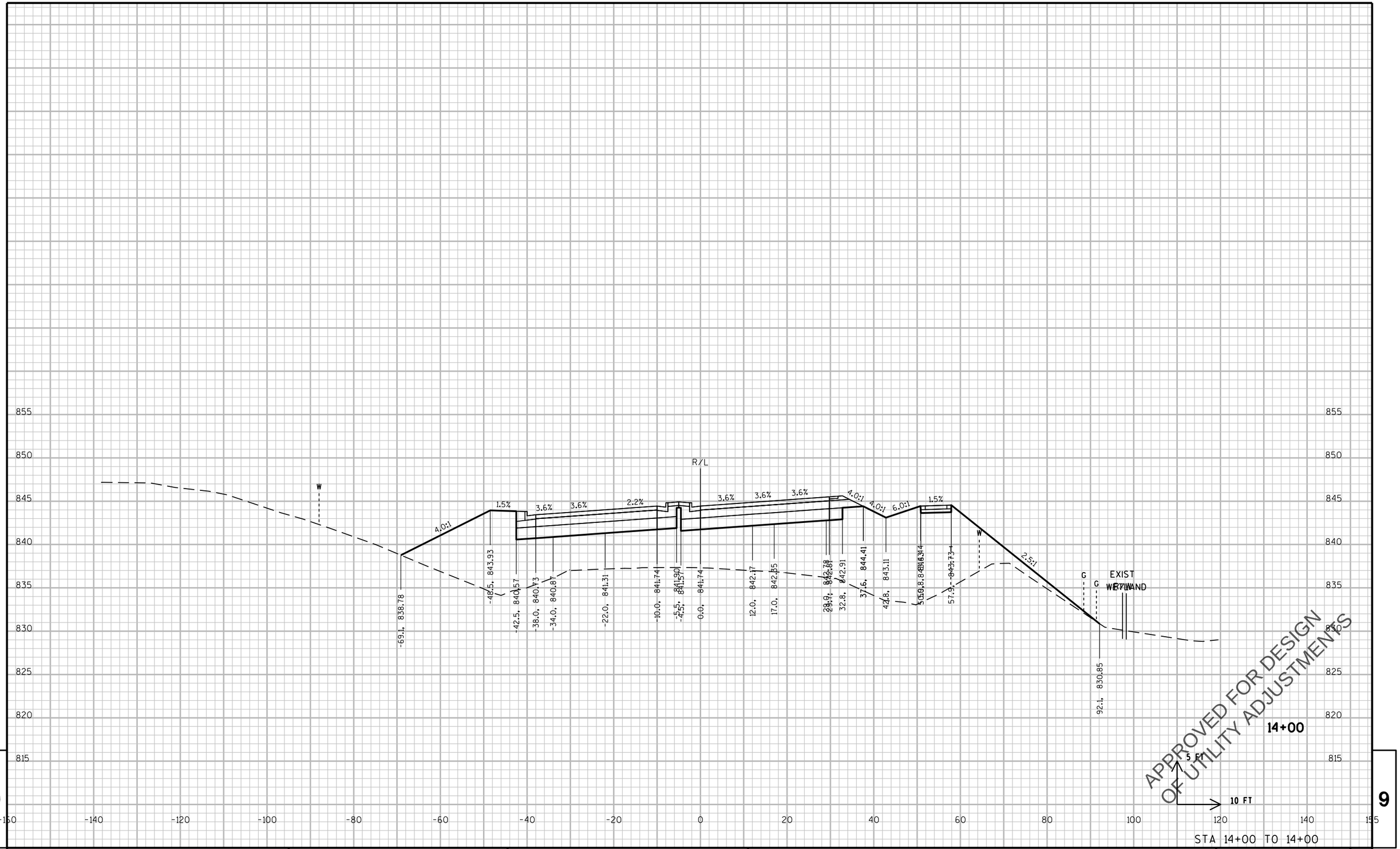
STA 13+75 TO 13+75

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: SAYLESVILLE ROAD	SHEET E

PRE_555

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090301_XS_SA.dgn PLOT DATE : 4/11/2016 10:12:08 AM PLOT BY : dbaumann PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



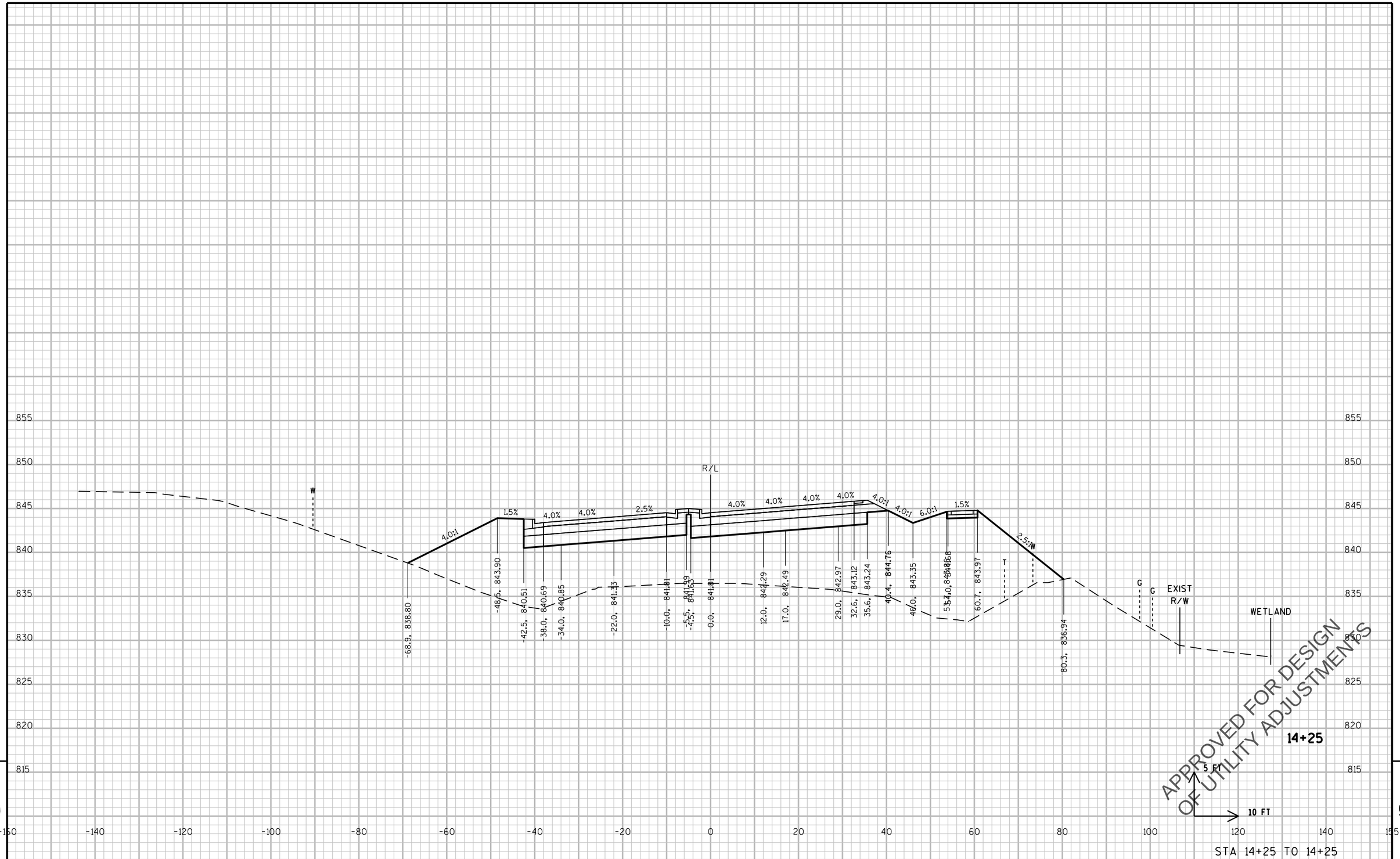
STA 14+00 TO 14+00

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: SAYLESVILLE ROAD	SHEET E

PRE_556

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090301_XS_SA.dgn PLOT DATE : 4/11/2016 10:12:08 AM PLOT BY : dbaumann PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



9

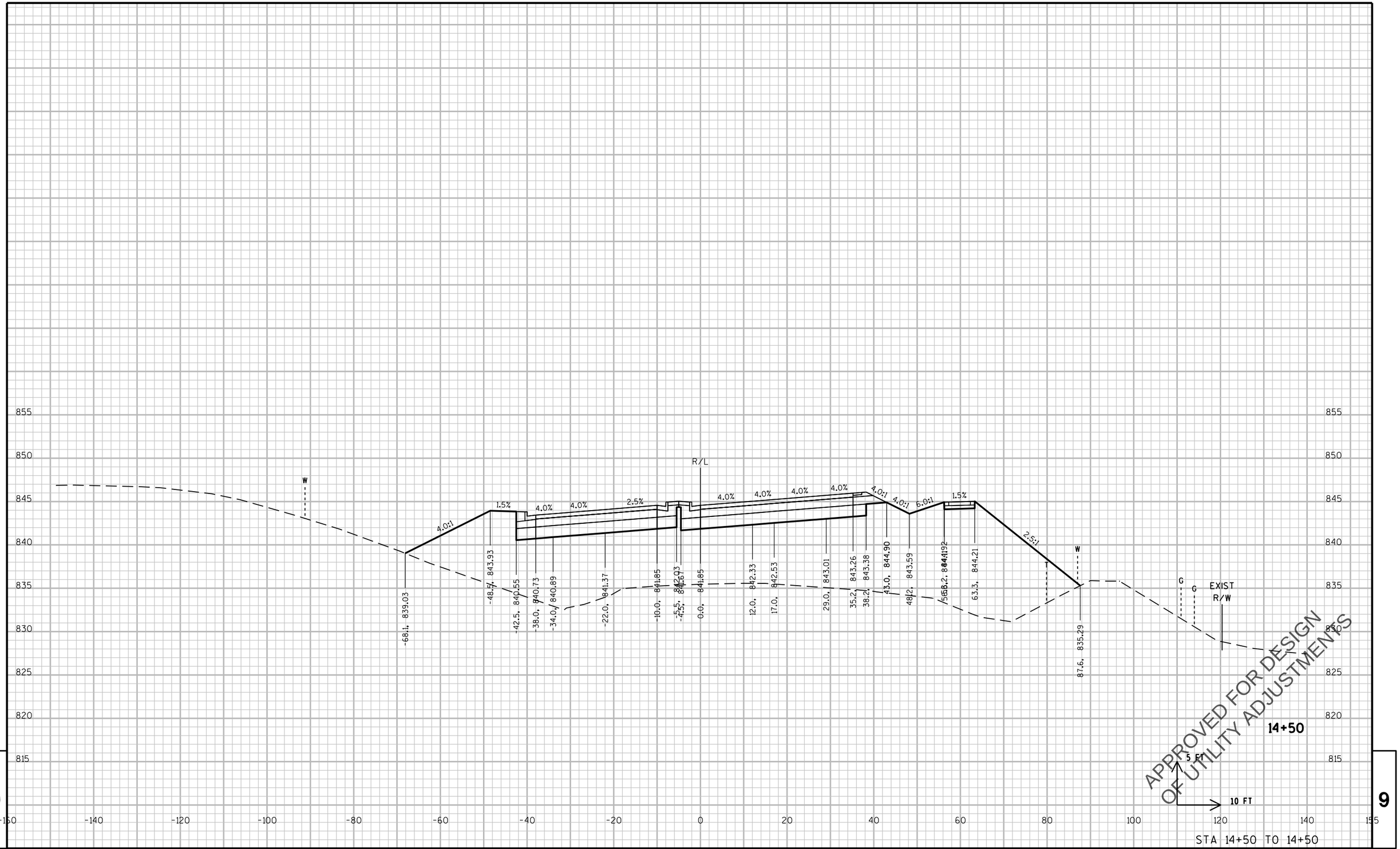
STA 14+25 TO 14+25

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: SAYLESVILLE ROAD	SHEET E

PRE_557

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090301_XS_SA.dgn PLOT DATE : 4/11/2016 10:12:09 AM PLOT BY : dbaumann PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



9 9

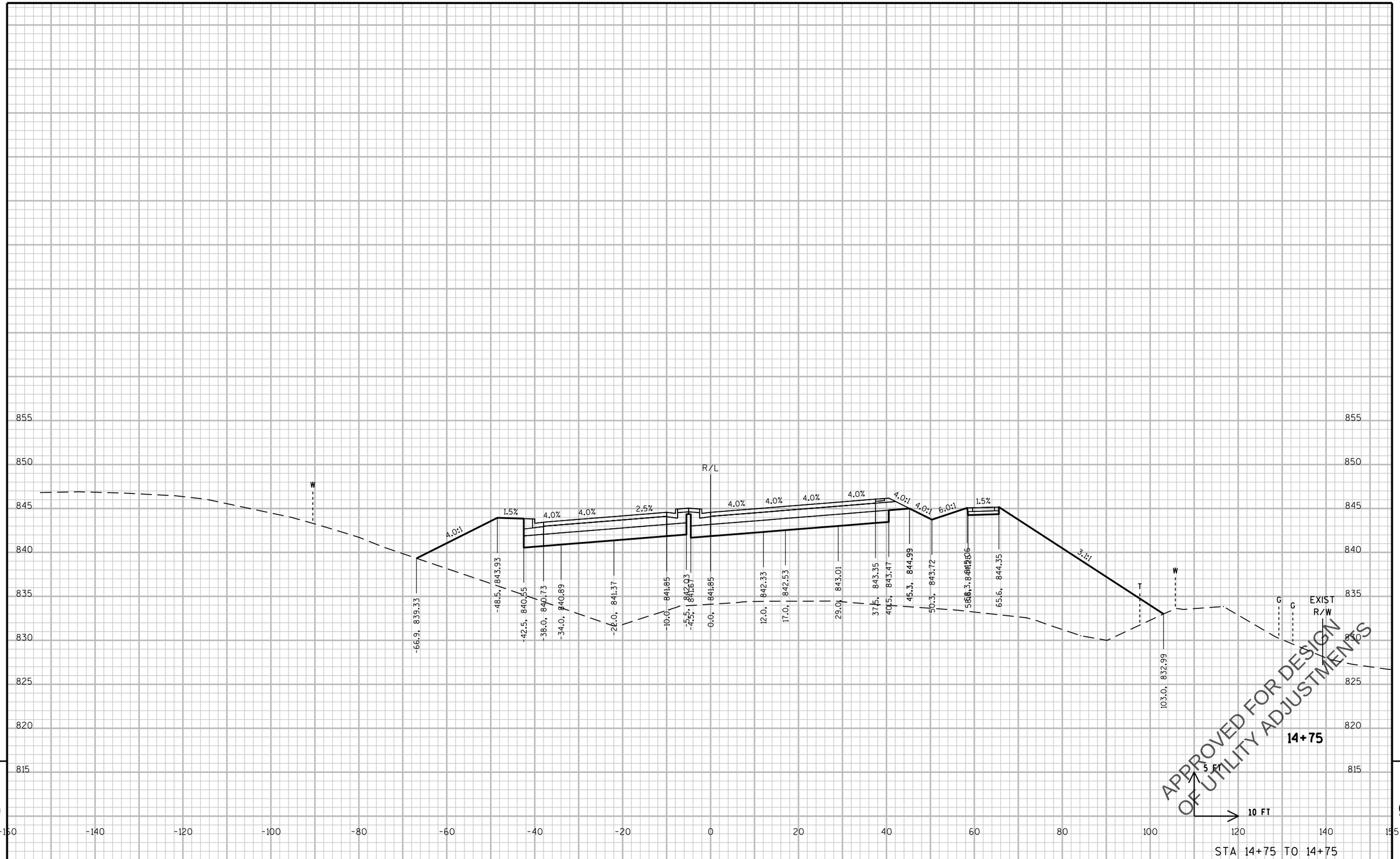
STA 14+50 TO 14+50

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: SAYLESVILLE ROAD	SHEET E

PRE_558

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090301_XS_SA.dgn PLOT DATE : 4/11/2016 10:12:09 AM PLOT BY : dbaumann PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



9

9

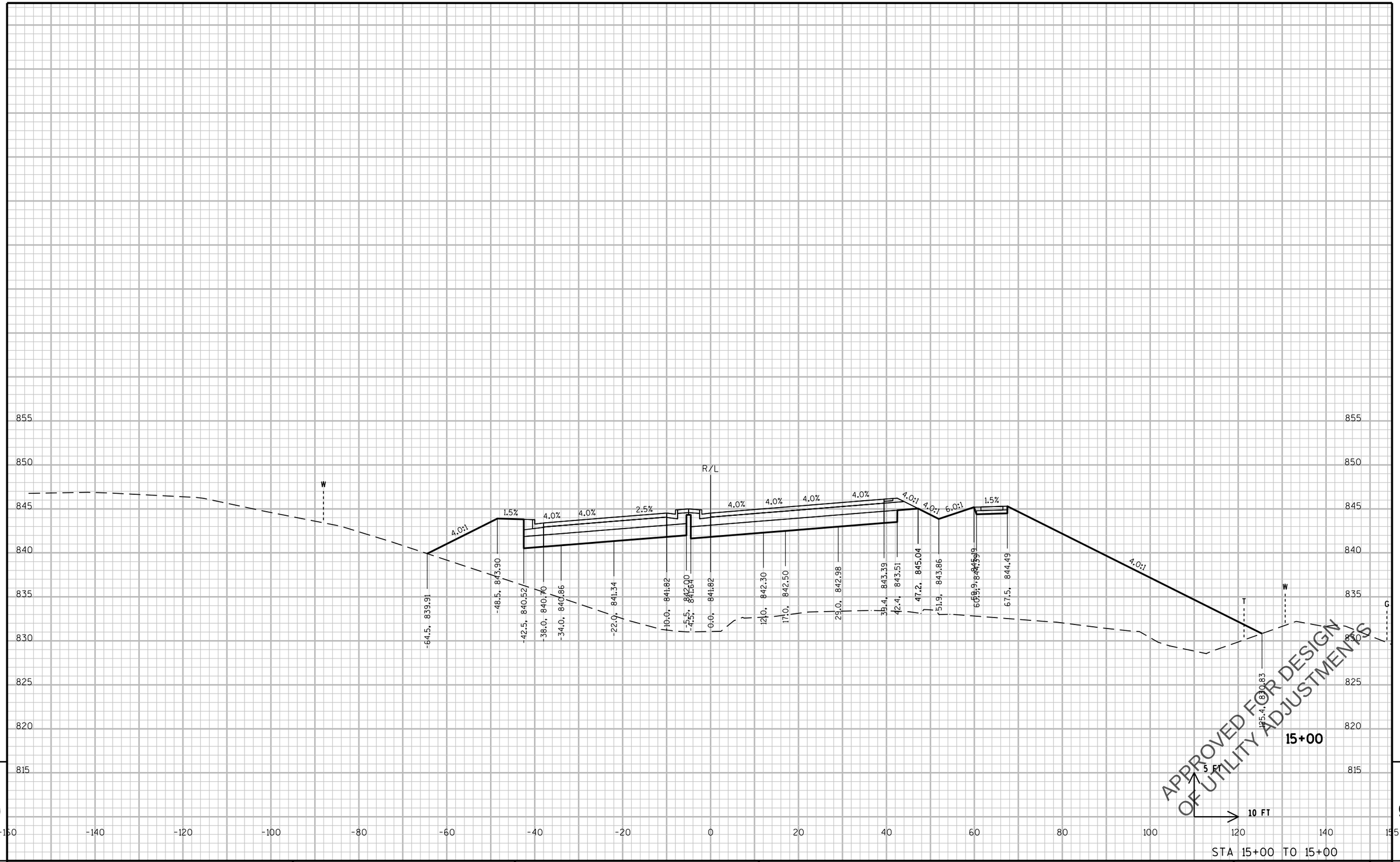
STA 14+75 TO 14+75

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: SAYLESVILLE ROAD	SHEET E

PRE_559

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090301_XS_SA.dgn PLOT DATE : 4/11/2016 10:12:10 AM PLOT BY : dbaumann PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



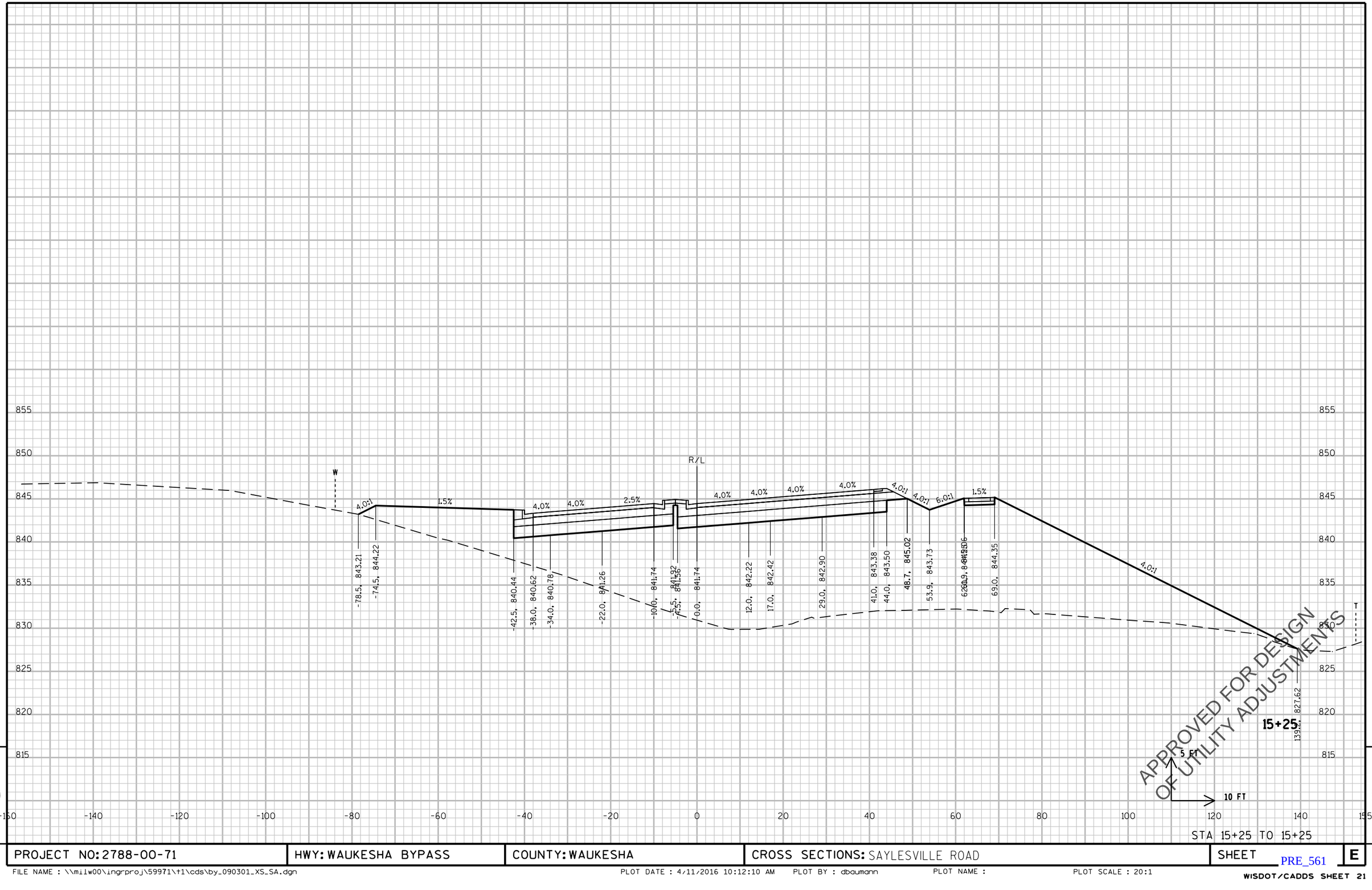
APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS

STA 15+00 TO 15+00

9 9

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: SAYLESVILLE ROAD	SHEET E

PRE_560



APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS

STA 15+25 TO 15+25

9

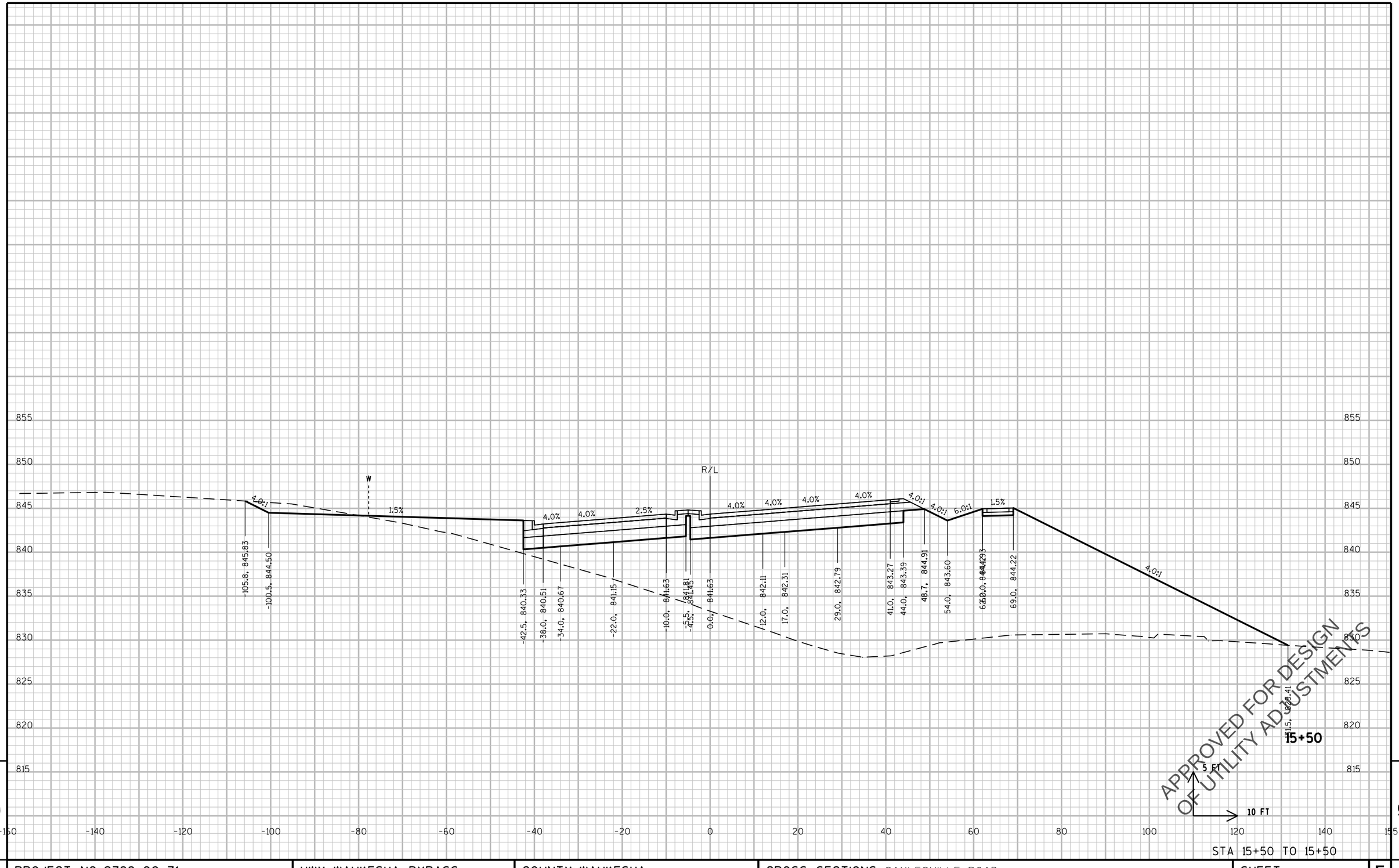
9

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: SAYLESVILLE ROAD	SHEET E

PRE_561

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090301_XS_SA.dgn PLOT DATE : 4/11/2016 10:12:10 AM PLOT BY : dbaumann PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



9

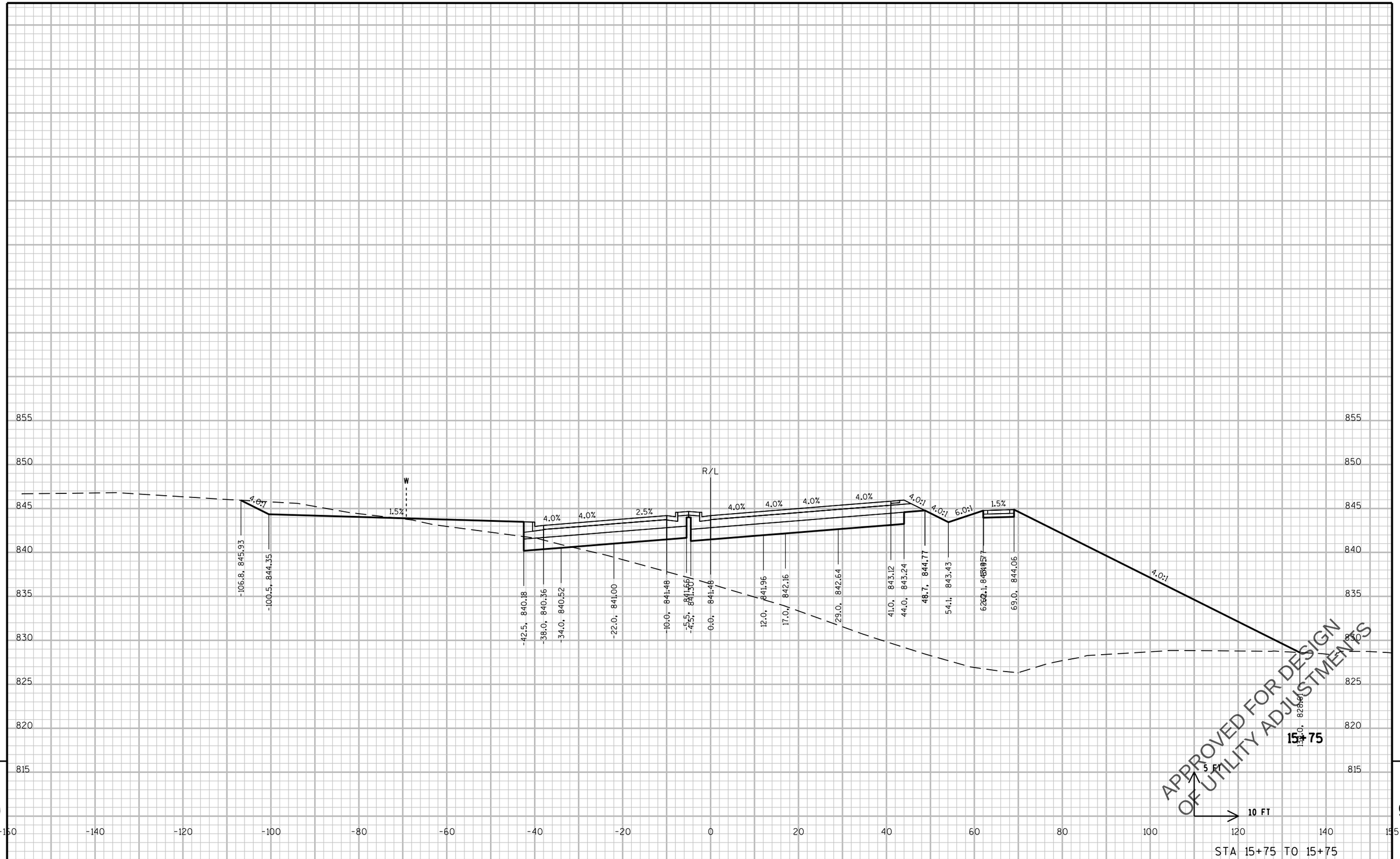
STA 15+50 TO 15+50

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: SAYLESVILLE ROAD	SHEET E

PRE_562

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090301_XS_SA.dgn PLOT DATE : 4/11/2016 10:12:11 AM PLOT BY : dbaumann PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

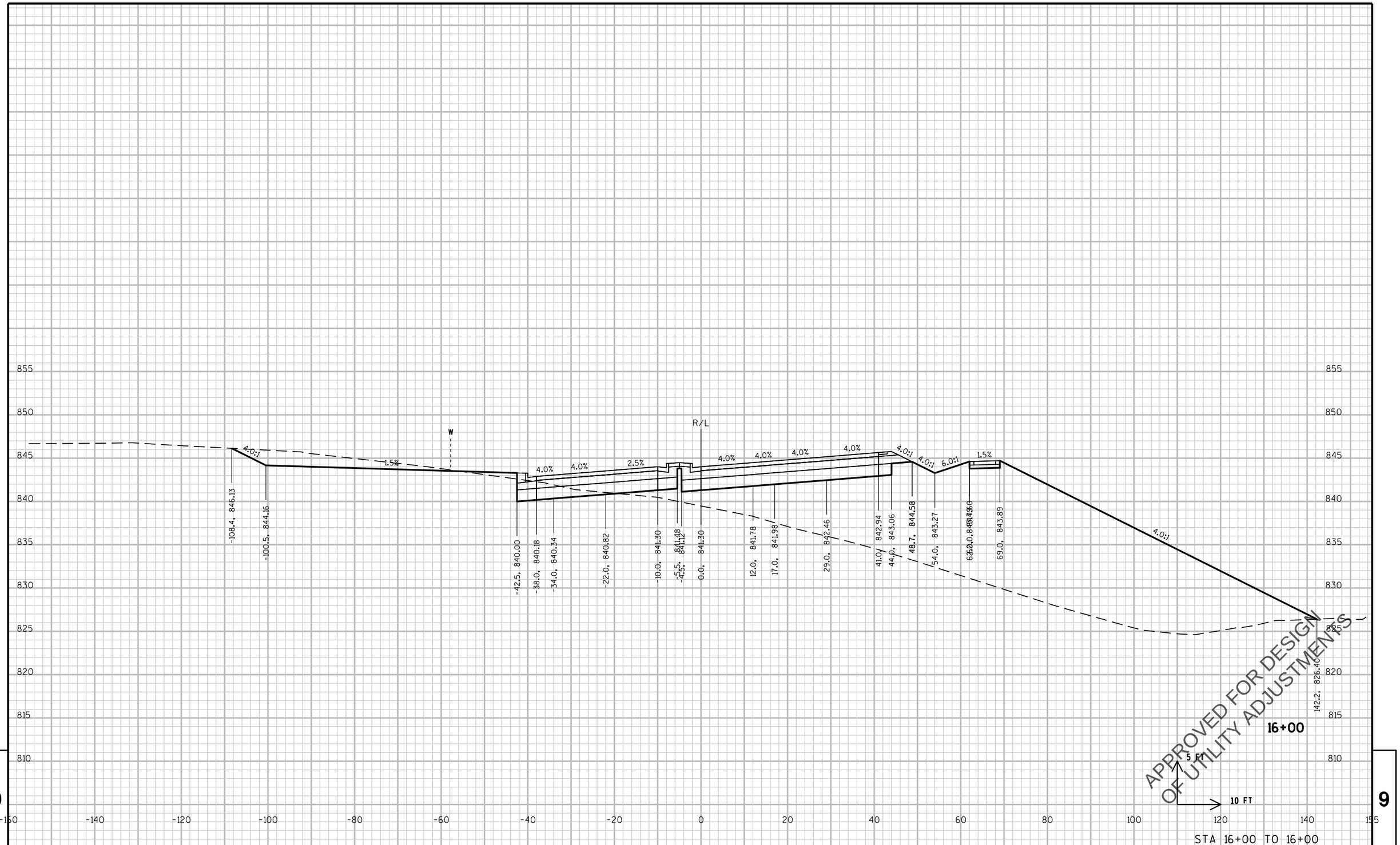


STA 15+75 TO 15+75

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: SAYLESVILLE ROAD	SHEET E

PRE_563

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090301_XS_SA.dgn PLOT DATE : 4/11/2016 10:12:11 AM PLOT BY : dbaumann PLOT NAME : PLOT SCALE : 20:1



9

9

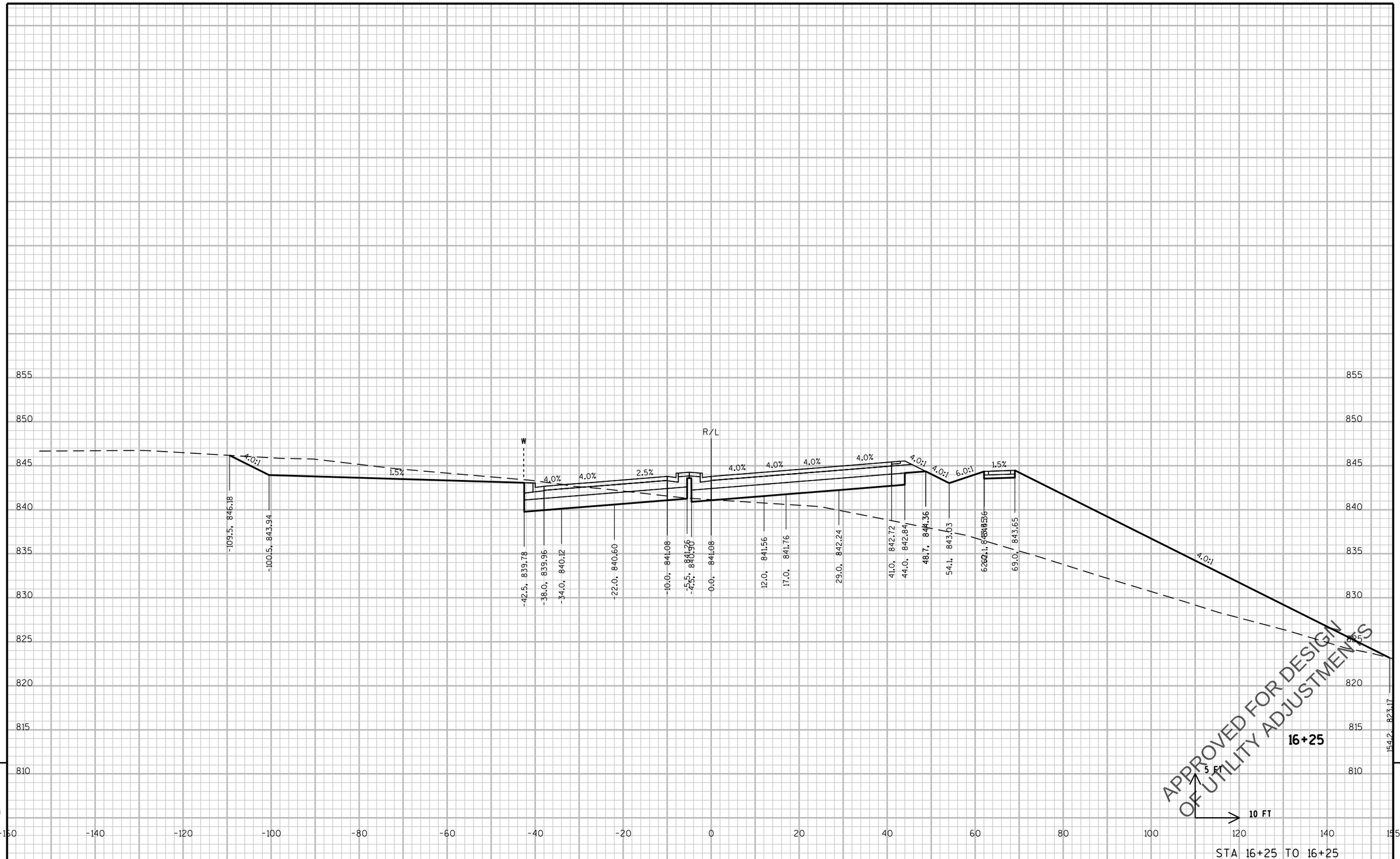
STA 16+00 TO 16+00

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: SAYLESVILLE ROAD	SHEET	E

PRE_564

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090301_XS_SA.dgn PLOT DATE : 4/11/2016 10:12:12 AM PLOT BY : dbaumann PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



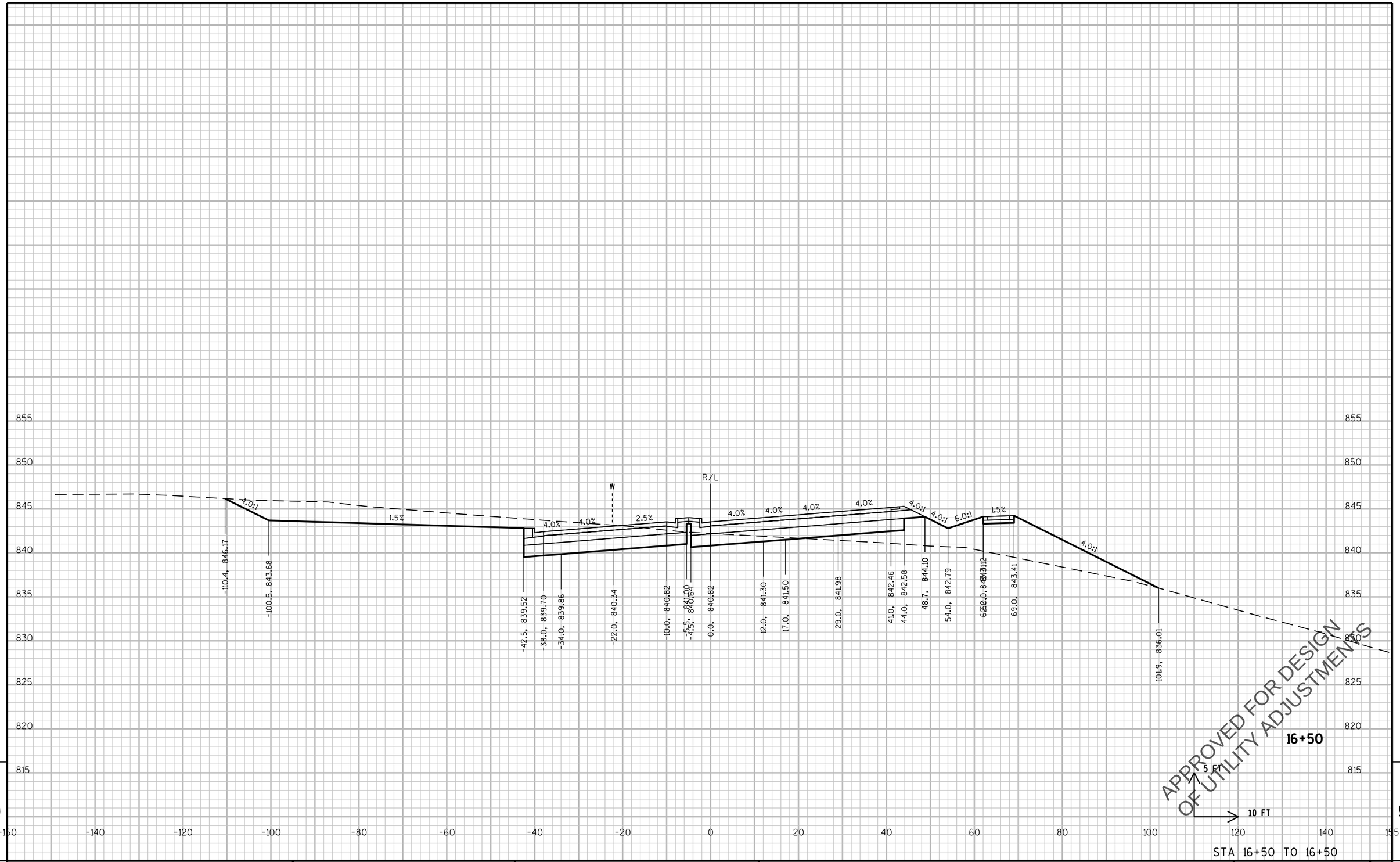
9

STA 16+25 TO 16+25

9

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: SAYLESVILLE ROAD	SHEET	E

PRE_565

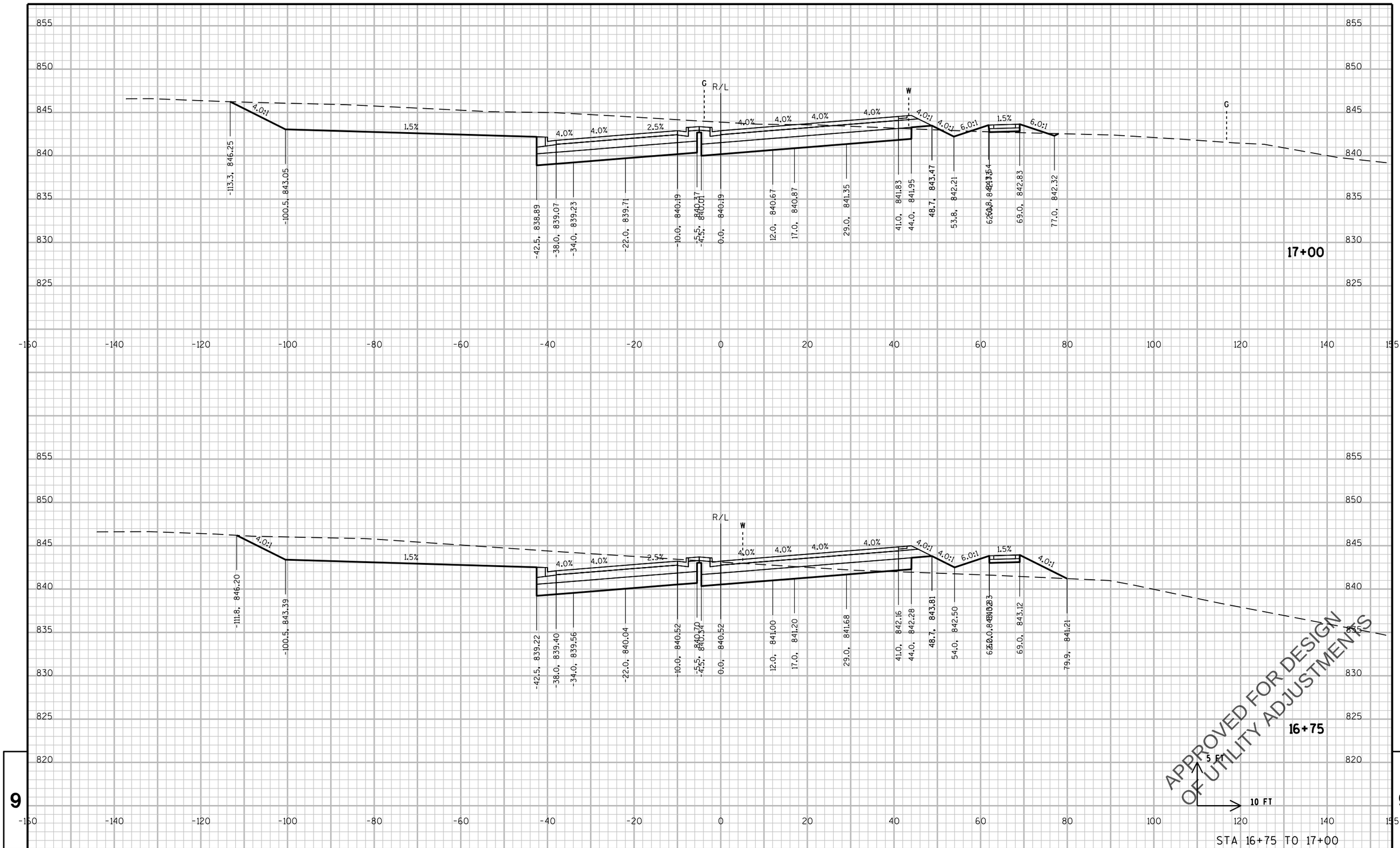


PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: SAYLESVILLE ROAD	SHEET E

PRE_566

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090301_XS_SA.dgn PLOT DATE : 4/11/2016 10:12:12 AM PLOT BY : dbaumann PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



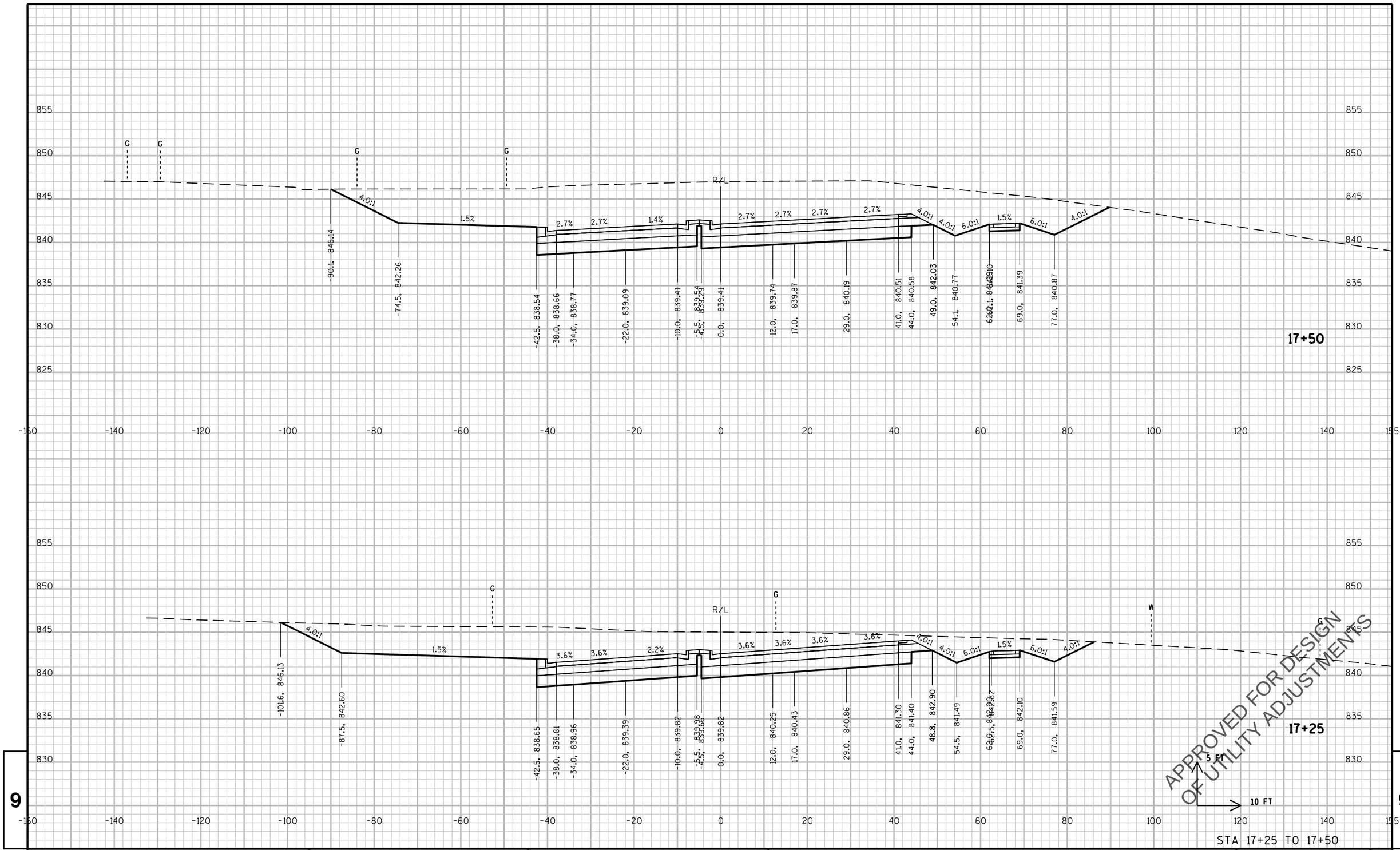
STA 16+75 TO 17+00

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: SAYLESVILLE ROAD	SHEET E

PRE_567

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090301_XS_SA.dgn PLOT DATE : 4/11/2016 10:12:13 AM PLOT BY : dbaumann PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS

STA 17+25 TO 17+50

9

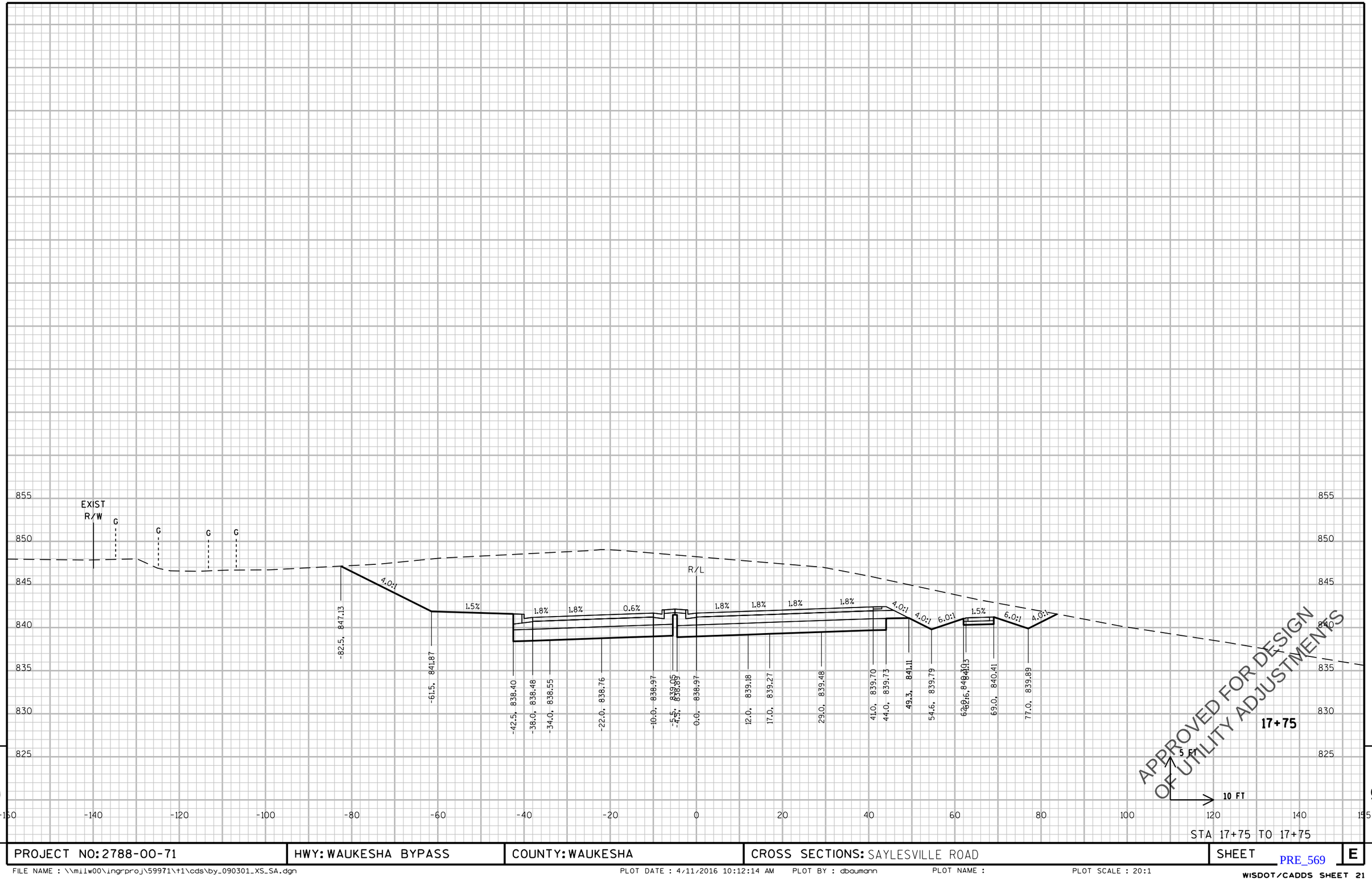
9

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: SAYLESVILLE ROAD	SHEET E

PRE_568

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090301_XS_SA.dgn PLOT DATE : 4/11/2016 10:12:13 AM PLOT BY : dbaumann PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



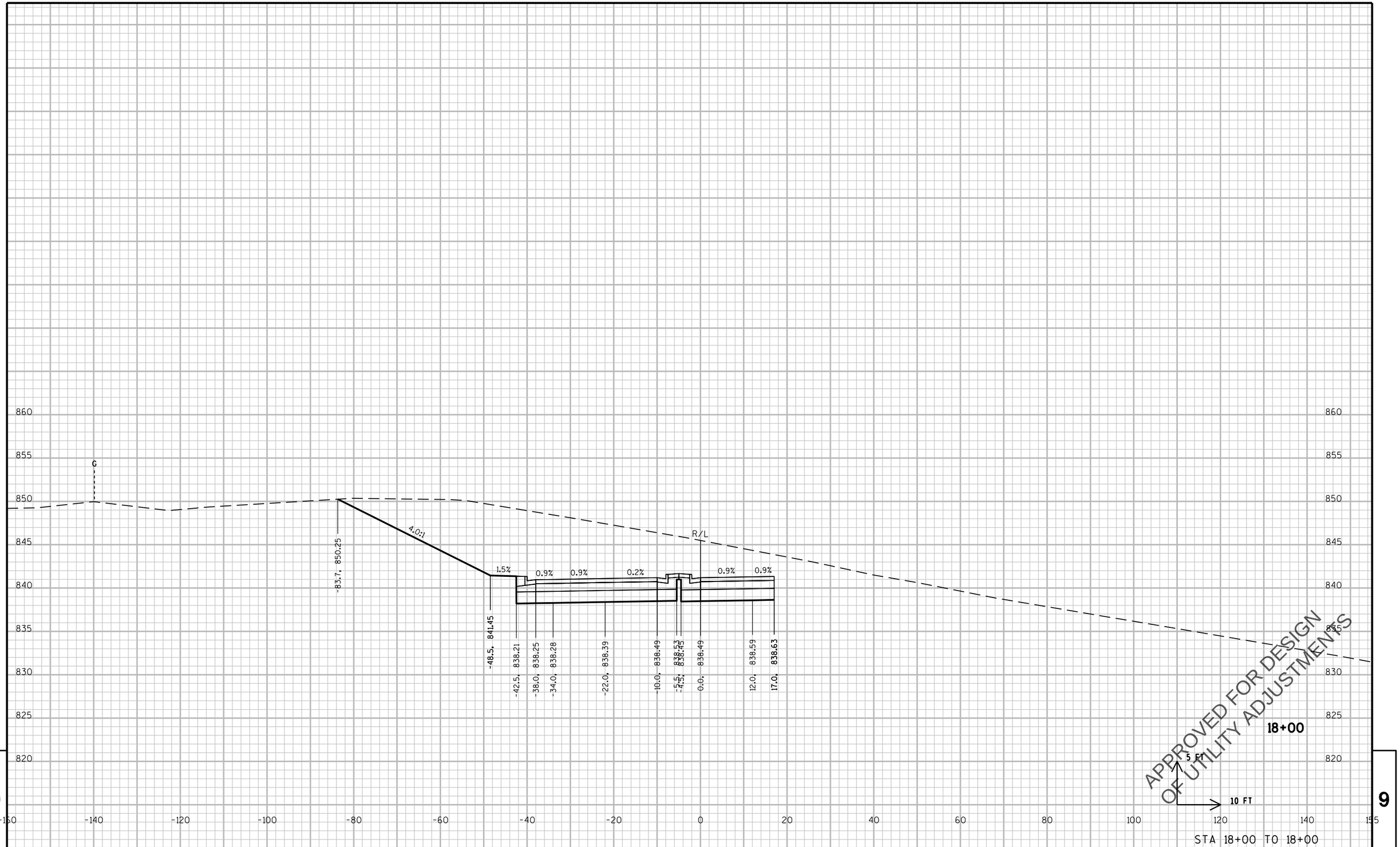
9

9

STA 17+75 TO 17+75

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: SAYLESVILLE ROAD	SHEET E

PRE_569



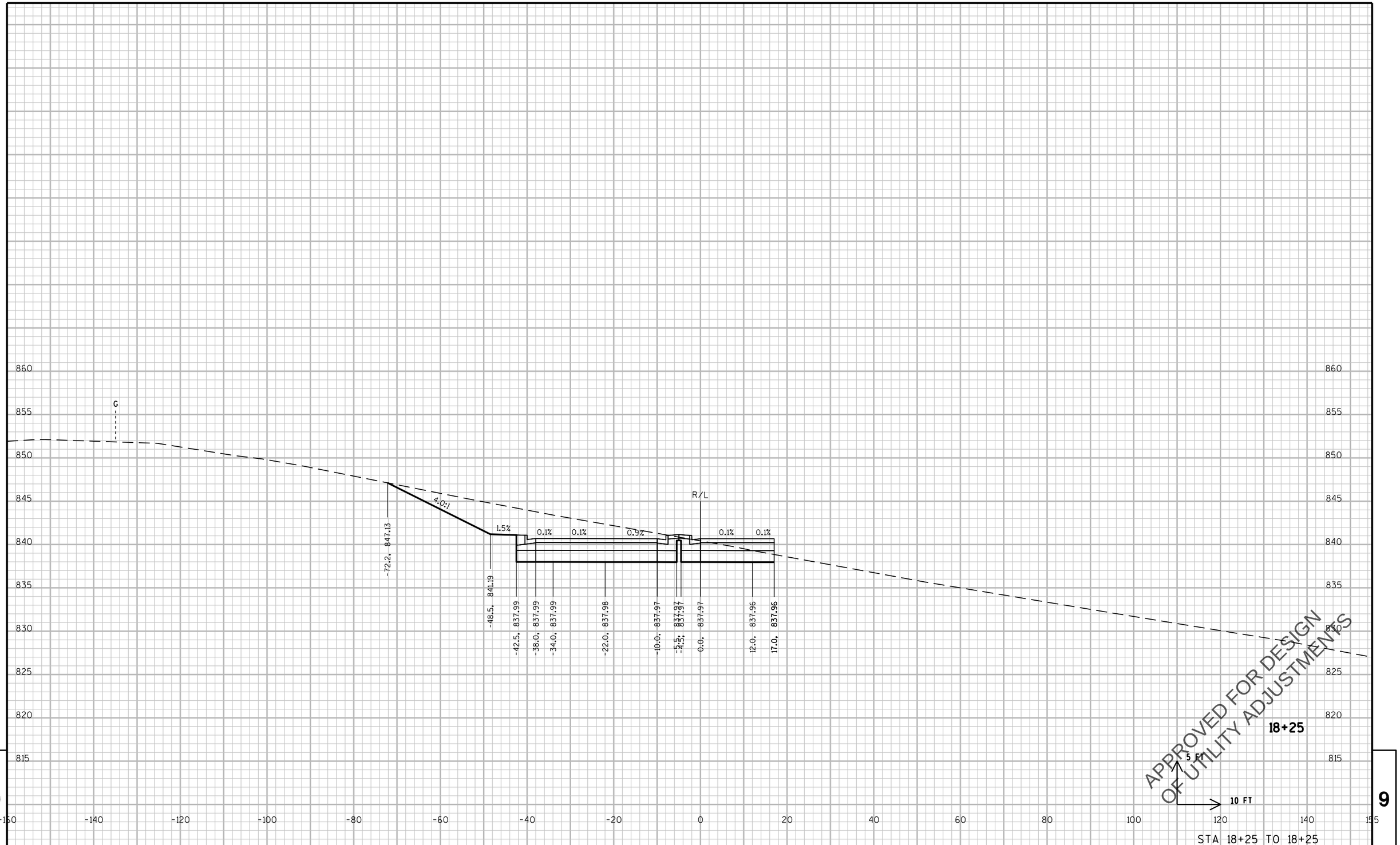
9

STA 18+00 TO 18+00

9

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: SAYLESVILLE ROAD	SHEET E

PRE_570



9

9

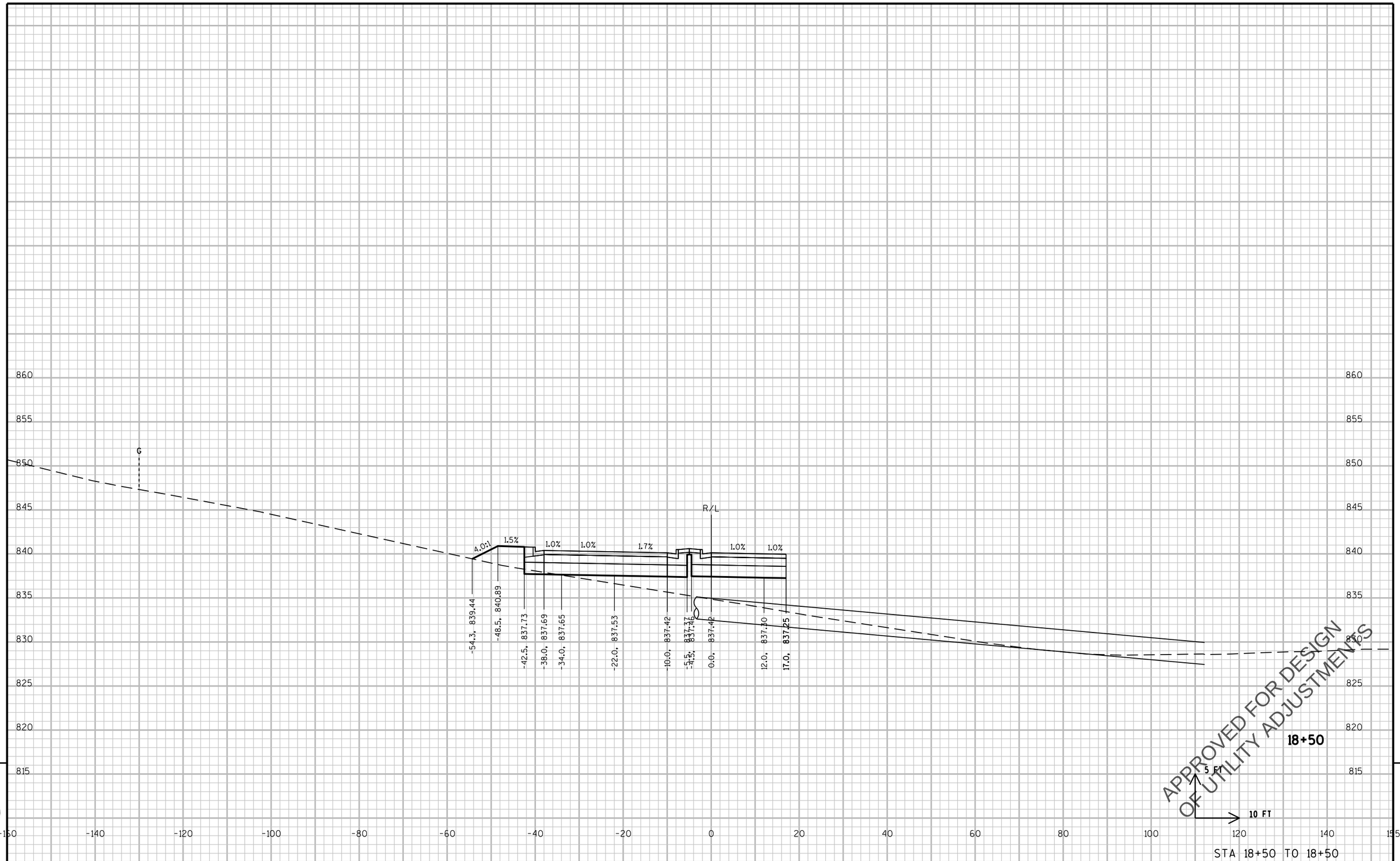
STA 18+25 TO 18+25

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: SAYLESVILLE ROAD	SHEET E

PRE_571

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090301_XS_SA.dgn PLOT DATE : 4/11/2016 10:12:15 AM PLOT BY : dbaumann PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



9

9

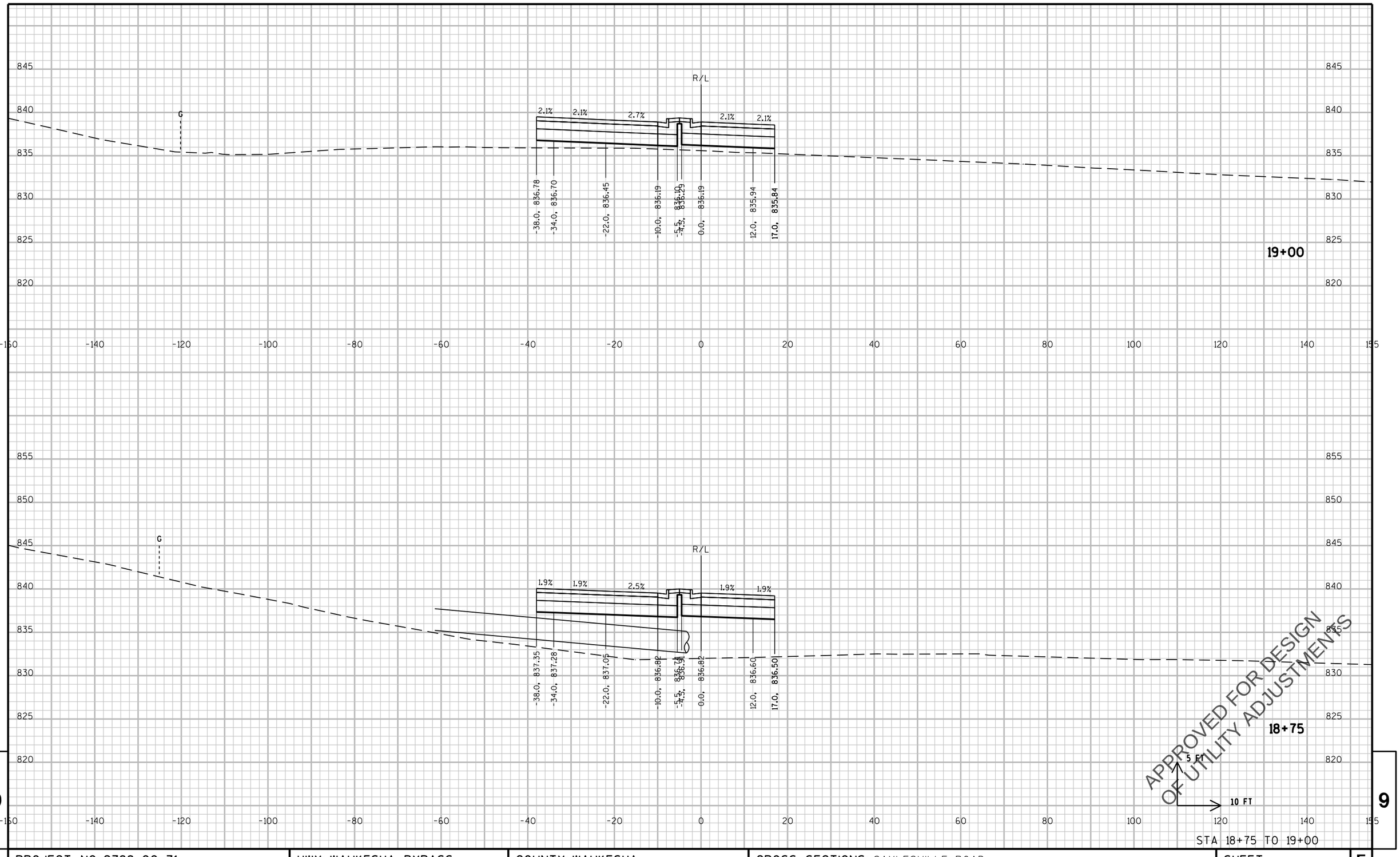
STA 18+50 TO 18+50

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: SAYLESVILLE ROAD	SHEET E

PRE_572

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090301_XS_SA.dgn PLOT DATE : 4/11/2016 10:12:15 AM PLOT BY : dbaumann PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



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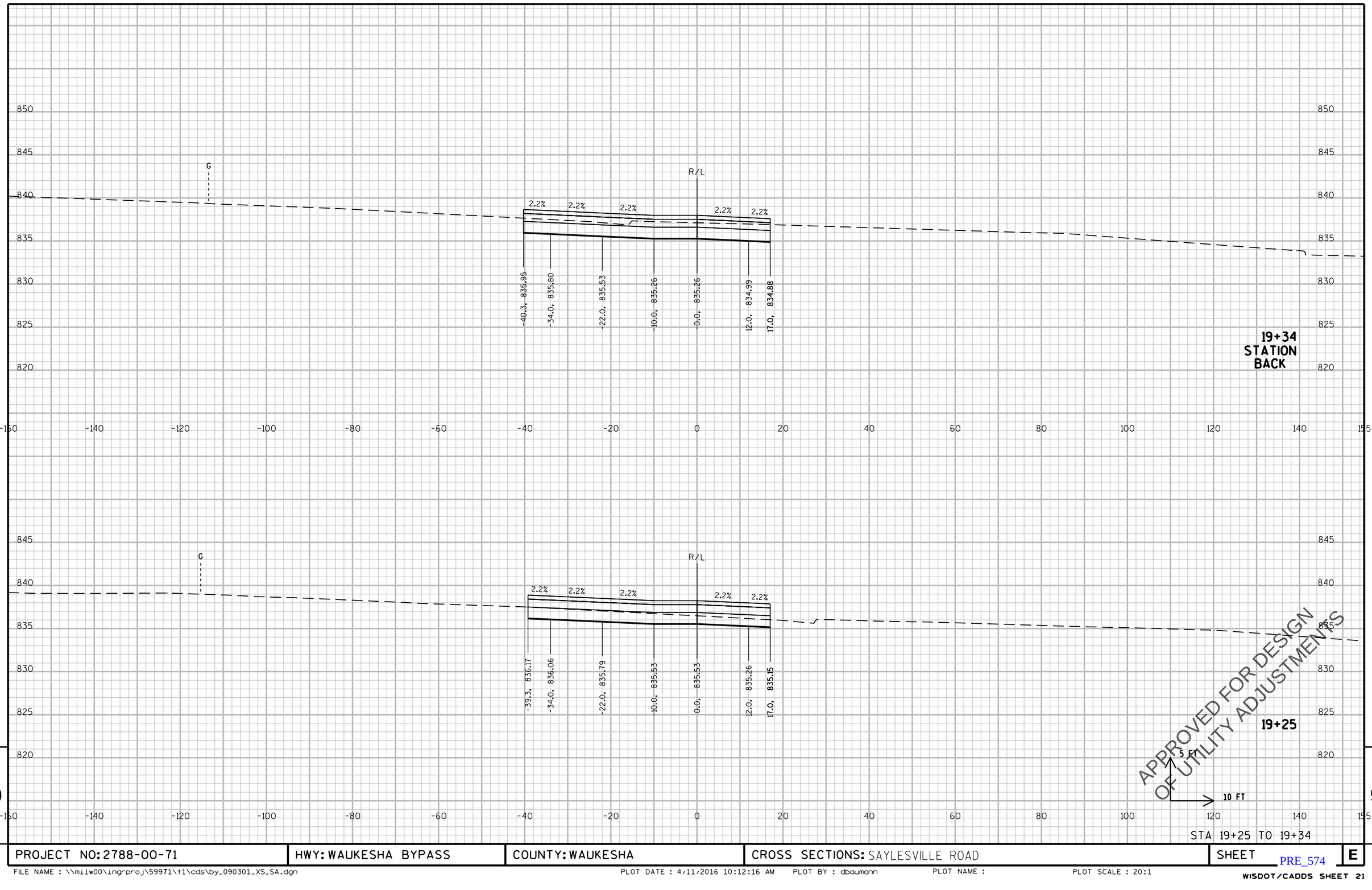
PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: SAYLESVILLE ROAD	SHEET E

PRE_573

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090301_XS_SA.dgn PLOT DATE : 4/11/2016 10:12:15 AM PLOT BY : dbaumann PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



9

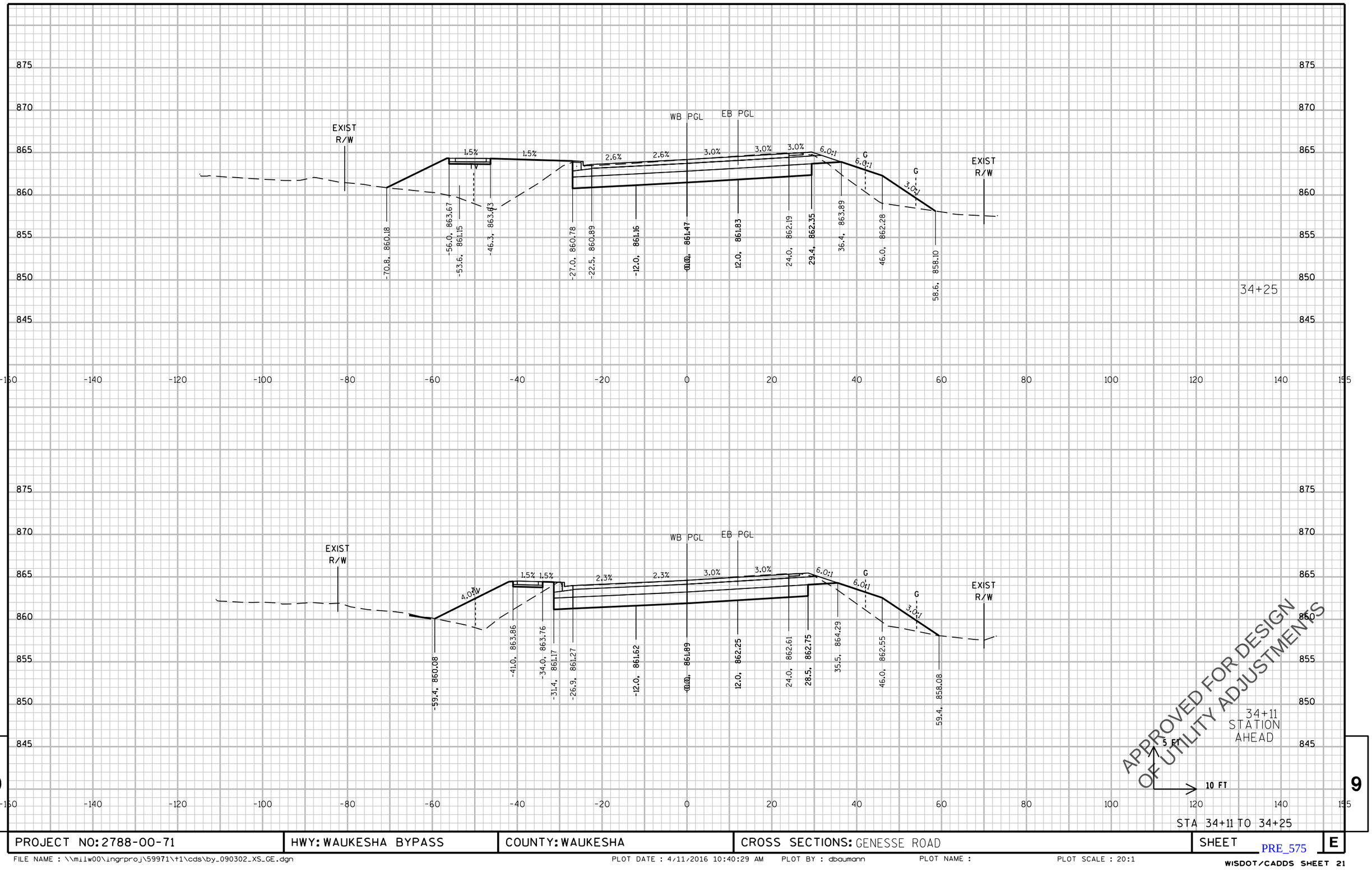
9

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: SAYLESVILLE ROAD	SHEET E

PRE_574

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090301_XS_SA.dgn PLOT DATE : 4/11/2016 10:12:16 AM PLOT BY : dbaumann PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



9

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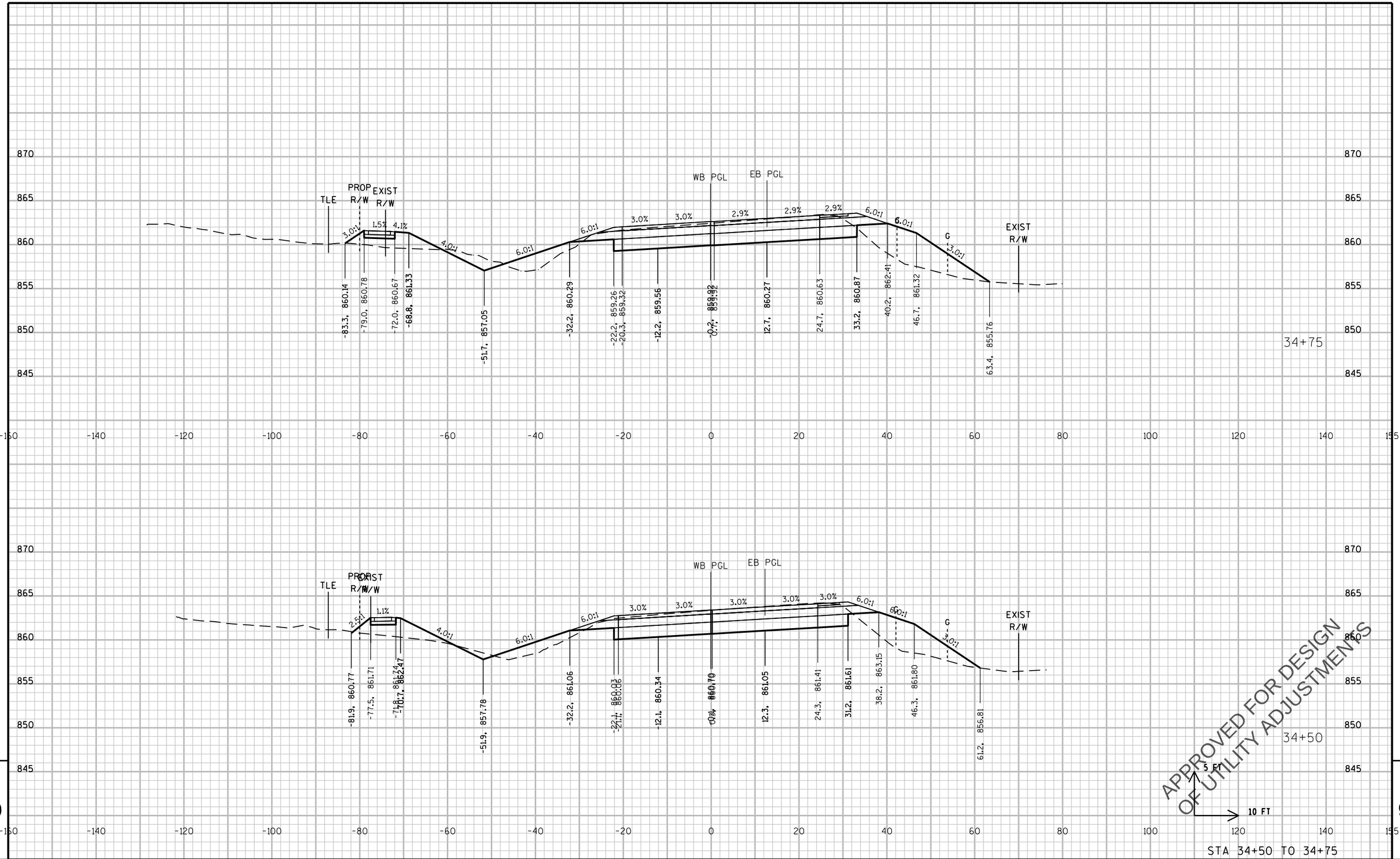
PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: GENESSE ROAD	SHEET	E

PRE_575

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090302_XS_GE.dgn PLOT DATE : 4/11/2016 10:40:29 AM PLOT BY : dbaumann PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



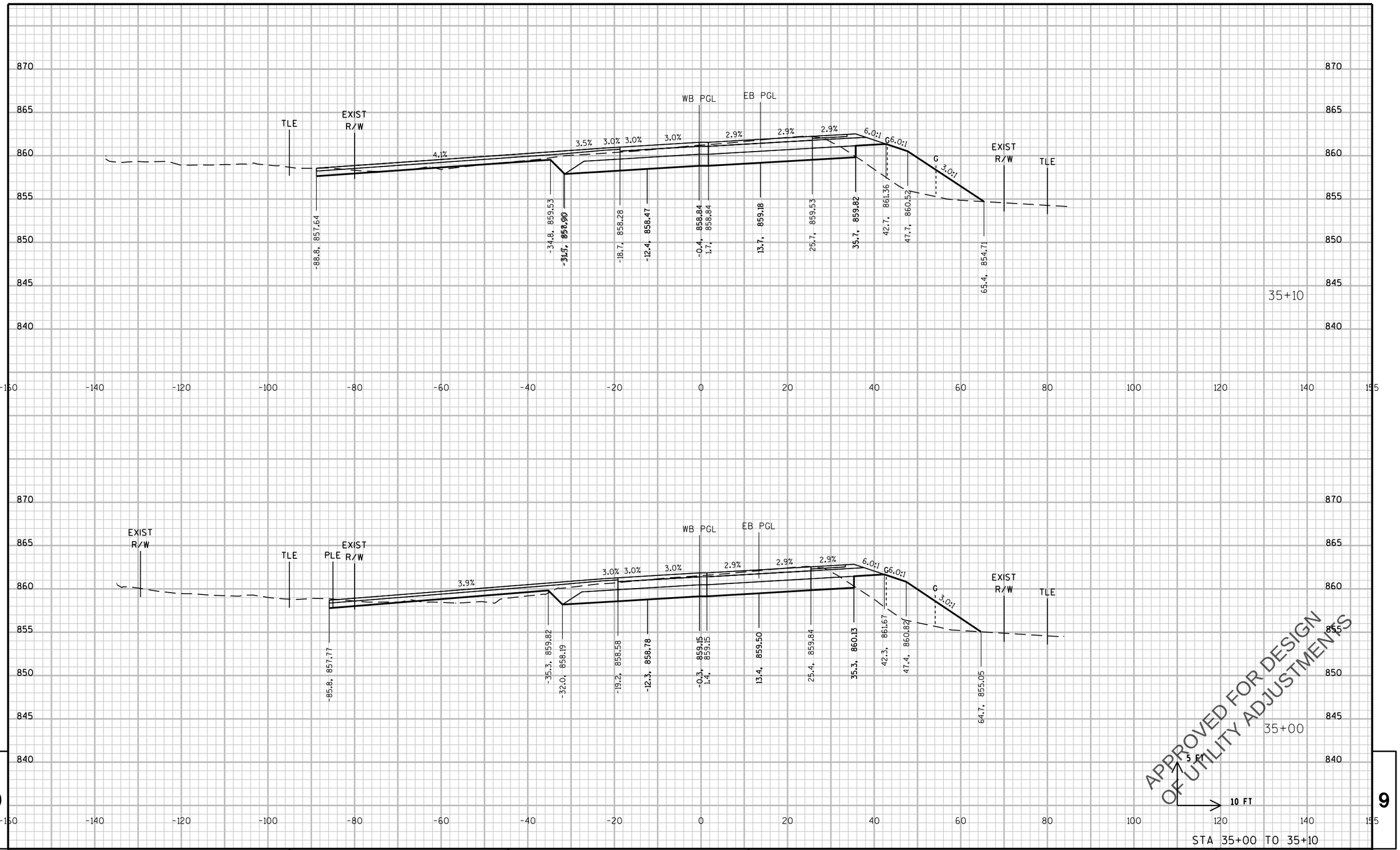
STA 34+50 TO 34+75

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: GENESSE ROAD	SHEET	E

PRE_576

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090302_XS_GE.dgn PLOT DATE : 4/11/2016 10:40:30 AM PLOT BY : dbaumann PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS

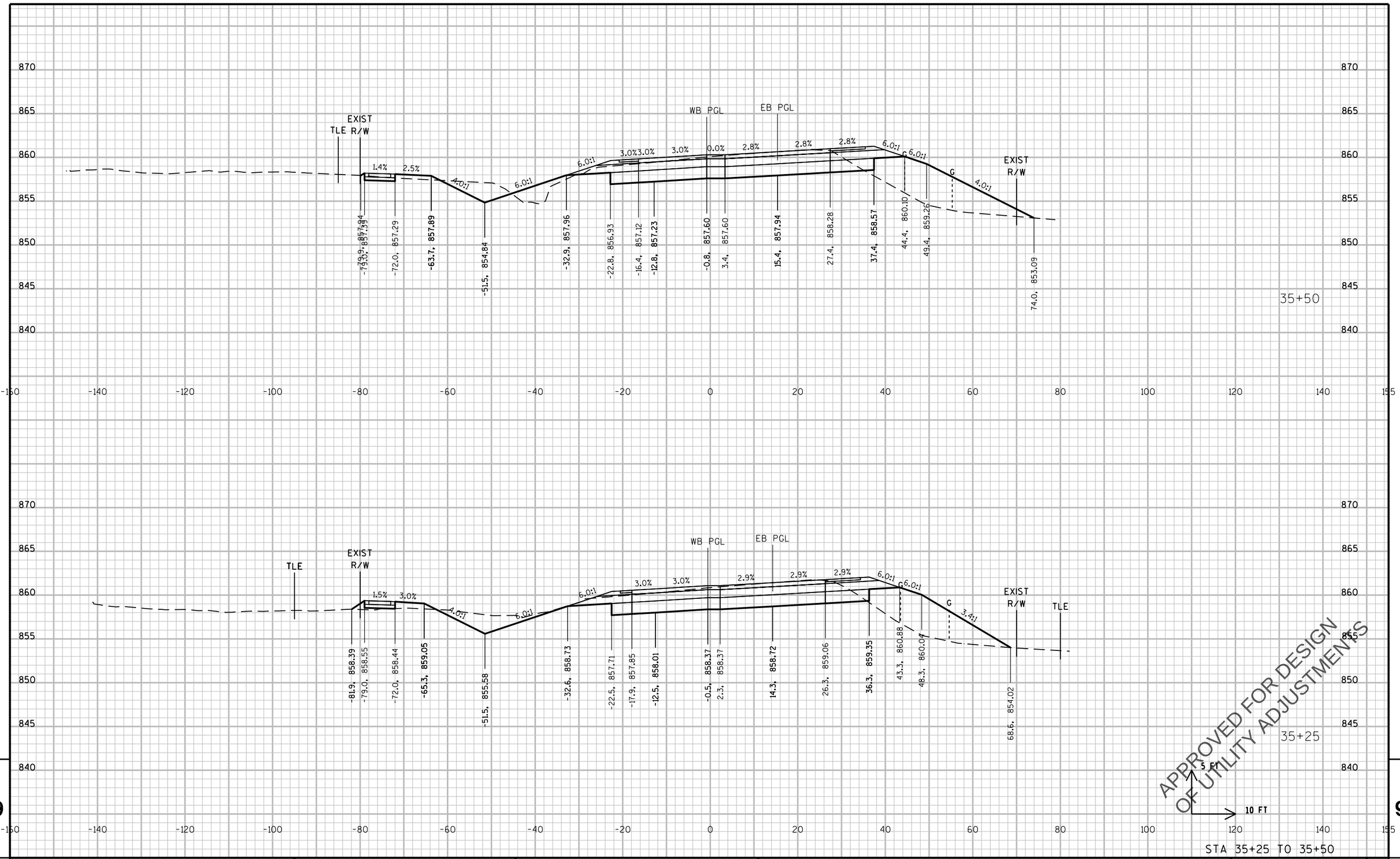
STA 35+00 TO 35+10

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: GENESSE ROAD	SHEET	E

PRE_577

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090302_XS_GE.dgn PLOT DATE : 4/11/2016 10:40:30 AM PLOT BY : dbaumann PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



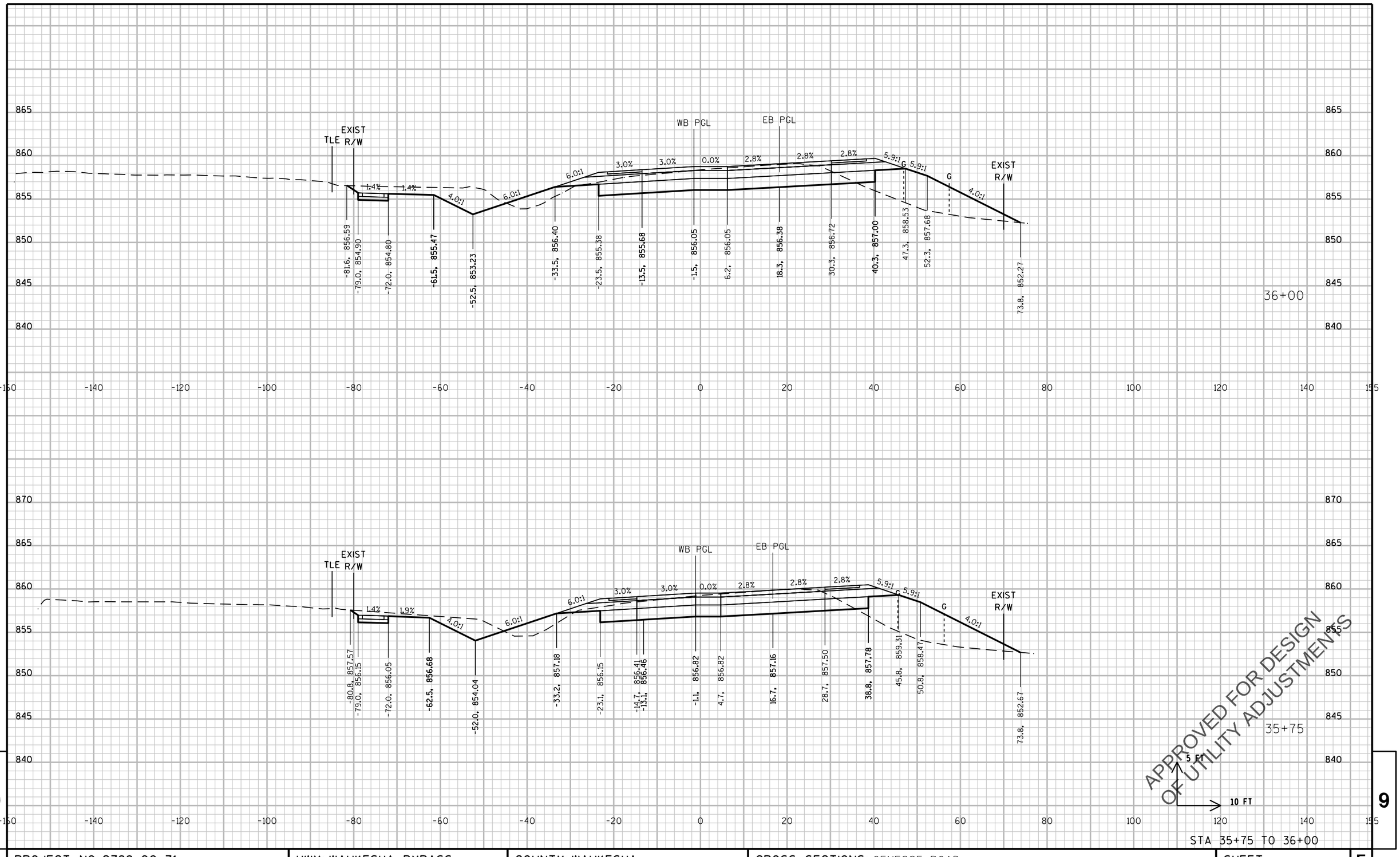
STA 35+25 TO 35+50

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: GENESSE ROAD	SHEET	E

PRE_578

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090302_XS_GE.dgn PLOT DATE : 4/11/2016 10:40:31 AM PLOT BY : dbaumann PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS

9

9

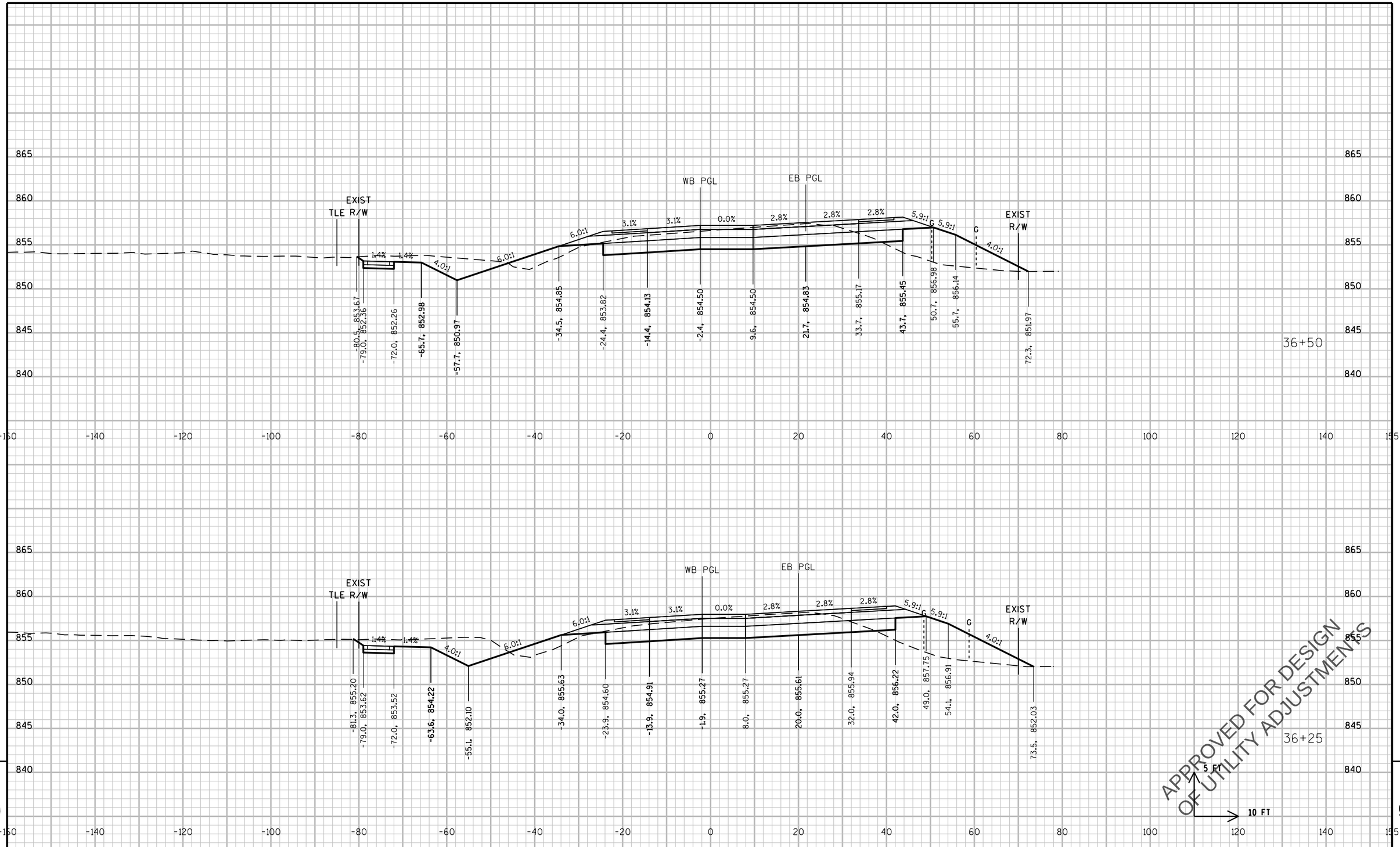
PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: GENESSE ROAD	SHEET	E

STA 35+75 TO 36+00

PRE_579

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090302_XS_GE.dgn PLOT DATE : 4/11/2016 10:40:32 AM PLOT BY : dbaumann PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS

5 FT
10 FT

STA 36+25 TO 36+50

9

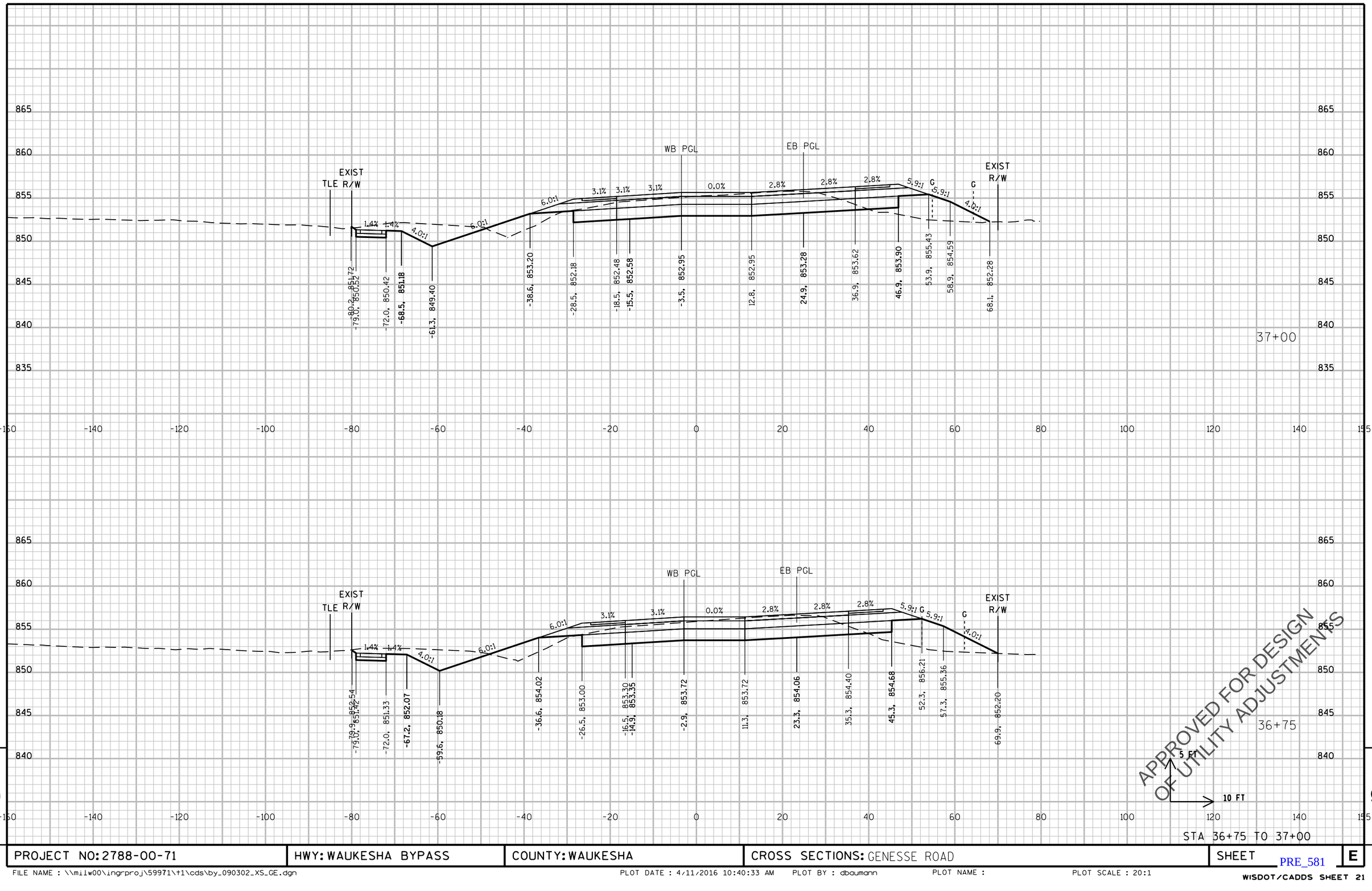
9

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: GENESSE ROAD	SHEET	E

PRE_580

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090302_XS_GE.dgn PLOT DATE : 4/11/2016 10:40:32 AM PLOT BY : dbaumann PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



9

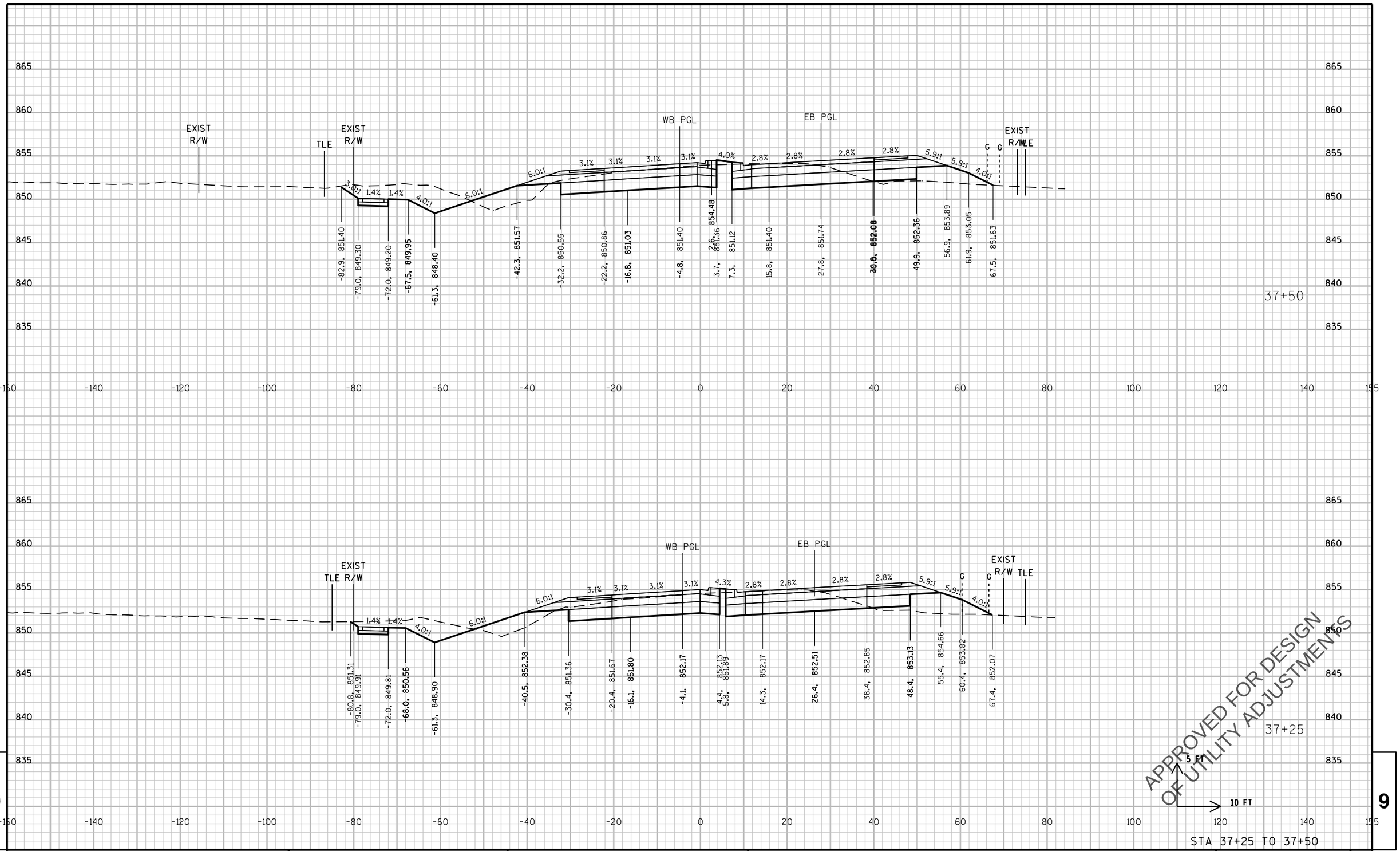
9

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: GENESSE ROAD	SHEET	E

PRE_581

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090302_XS_GE.dgn PLOT DATE : 4/11/2016 10:40:33 AM PLOT BY : dbaumann PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

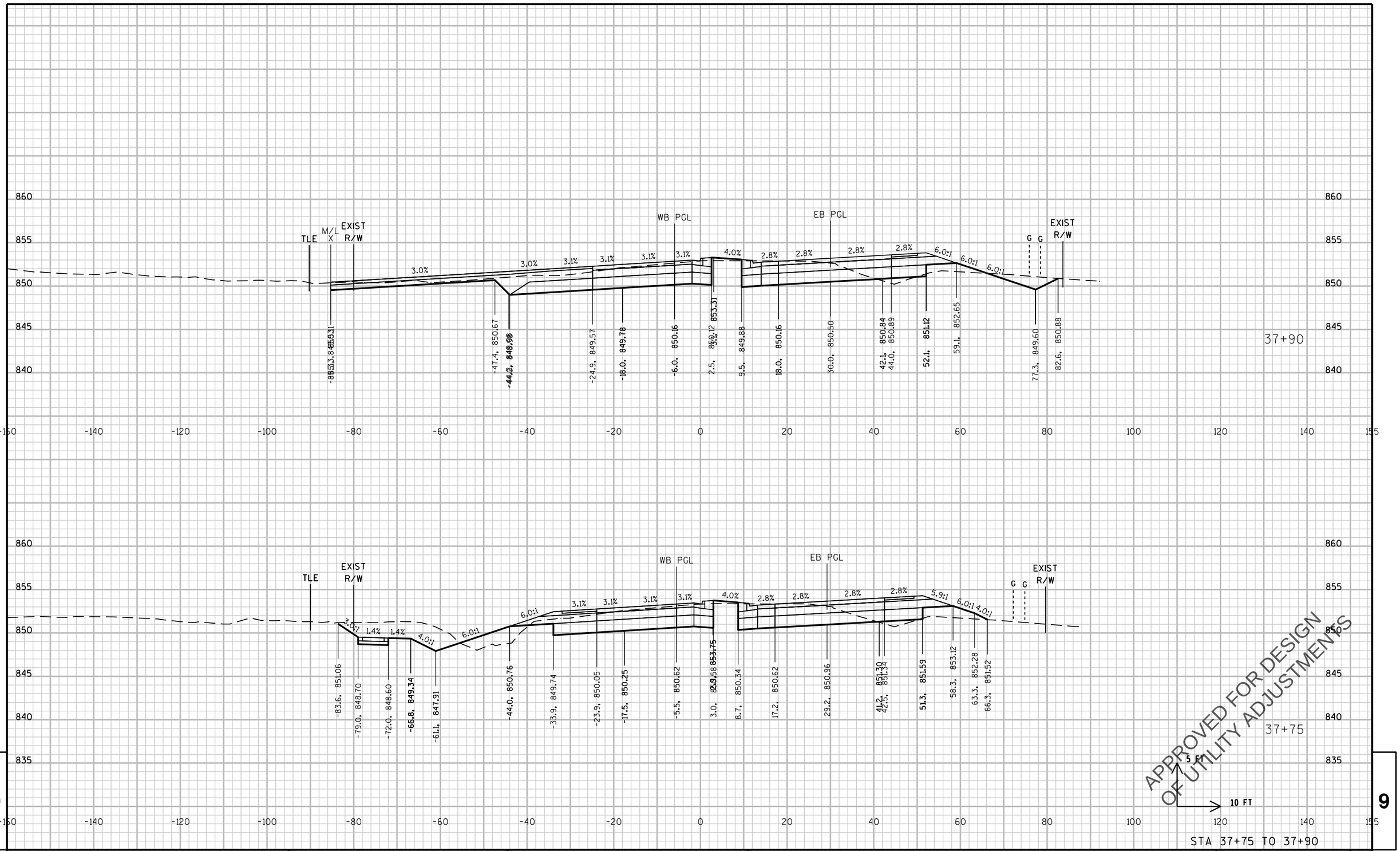


PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: GENESSE ROAD	SHEET E

PRE_582

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090302_XS_GE.dgn PLOT DATE : 4/11/2016 10:40:33 AM PLOT BY : dbaumann PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



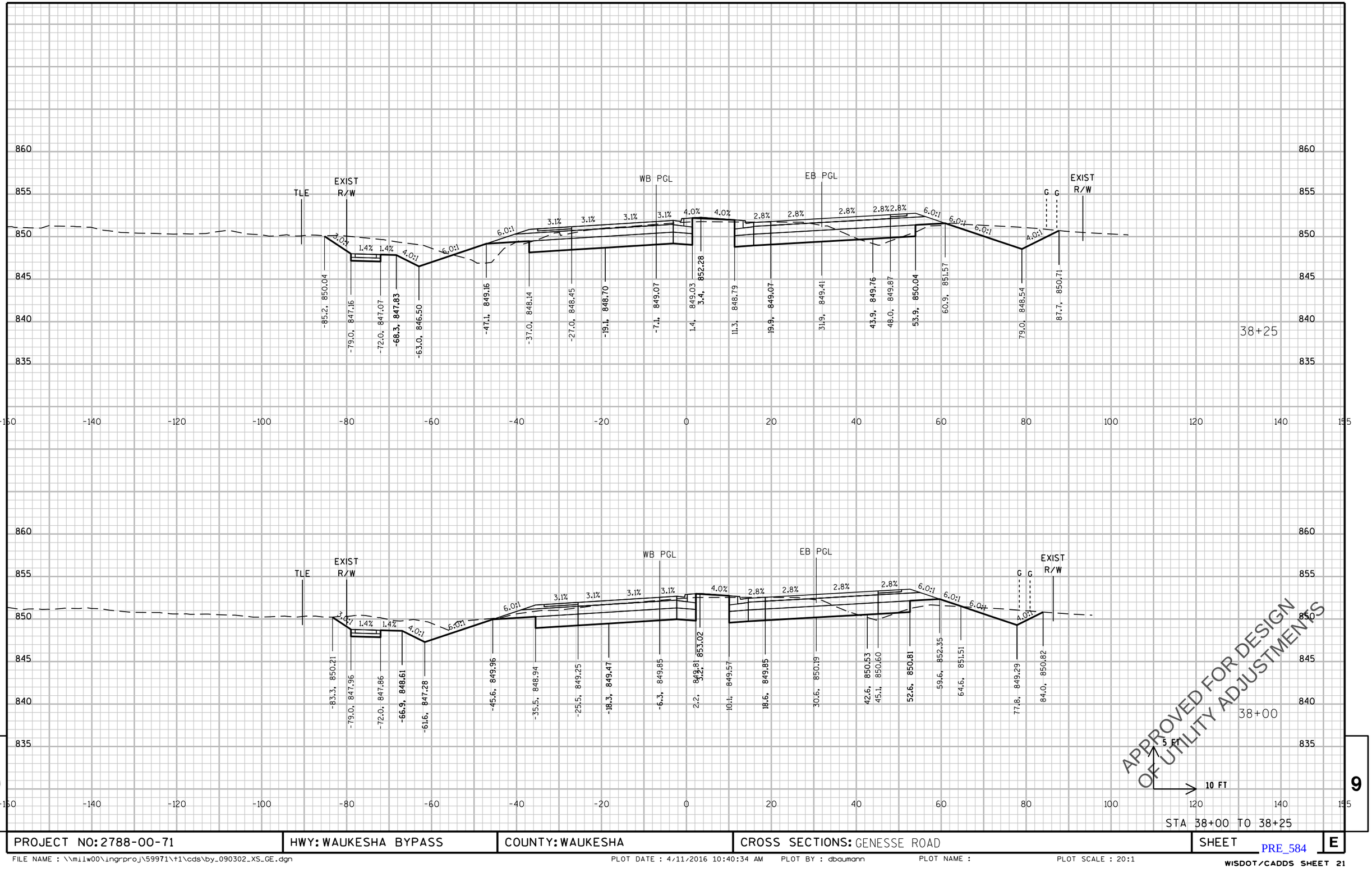
STA 37+75 TO 37+90

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: GENESSE ROAD	SHEET	E

PRE_583

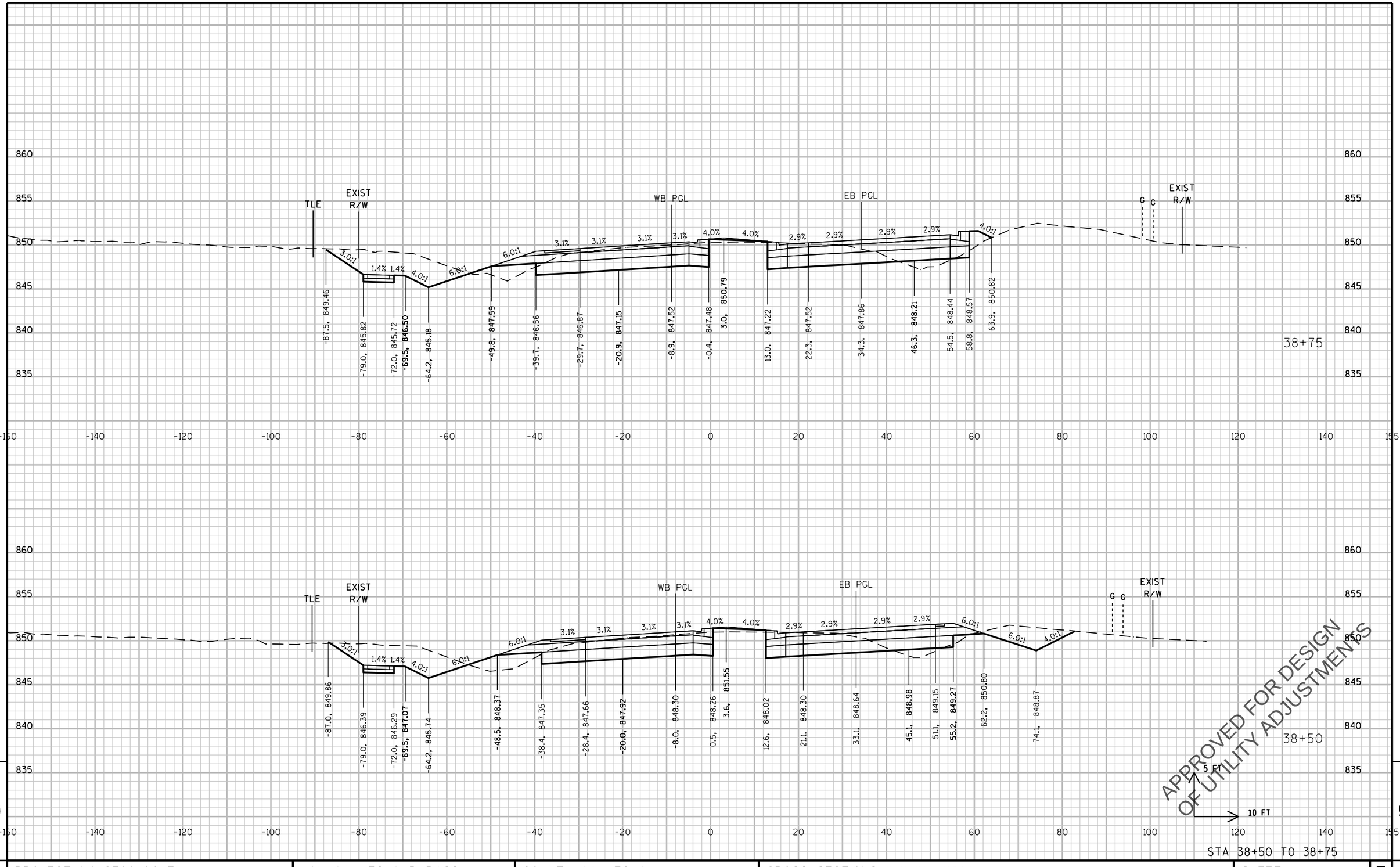
FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090302_XS_GE.dgn PLOT DATE : 4/11/2016 10:40:34 AM PLOT BY : dbaumann PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: GENESSE ROAD	SHEET	E

PRE_584

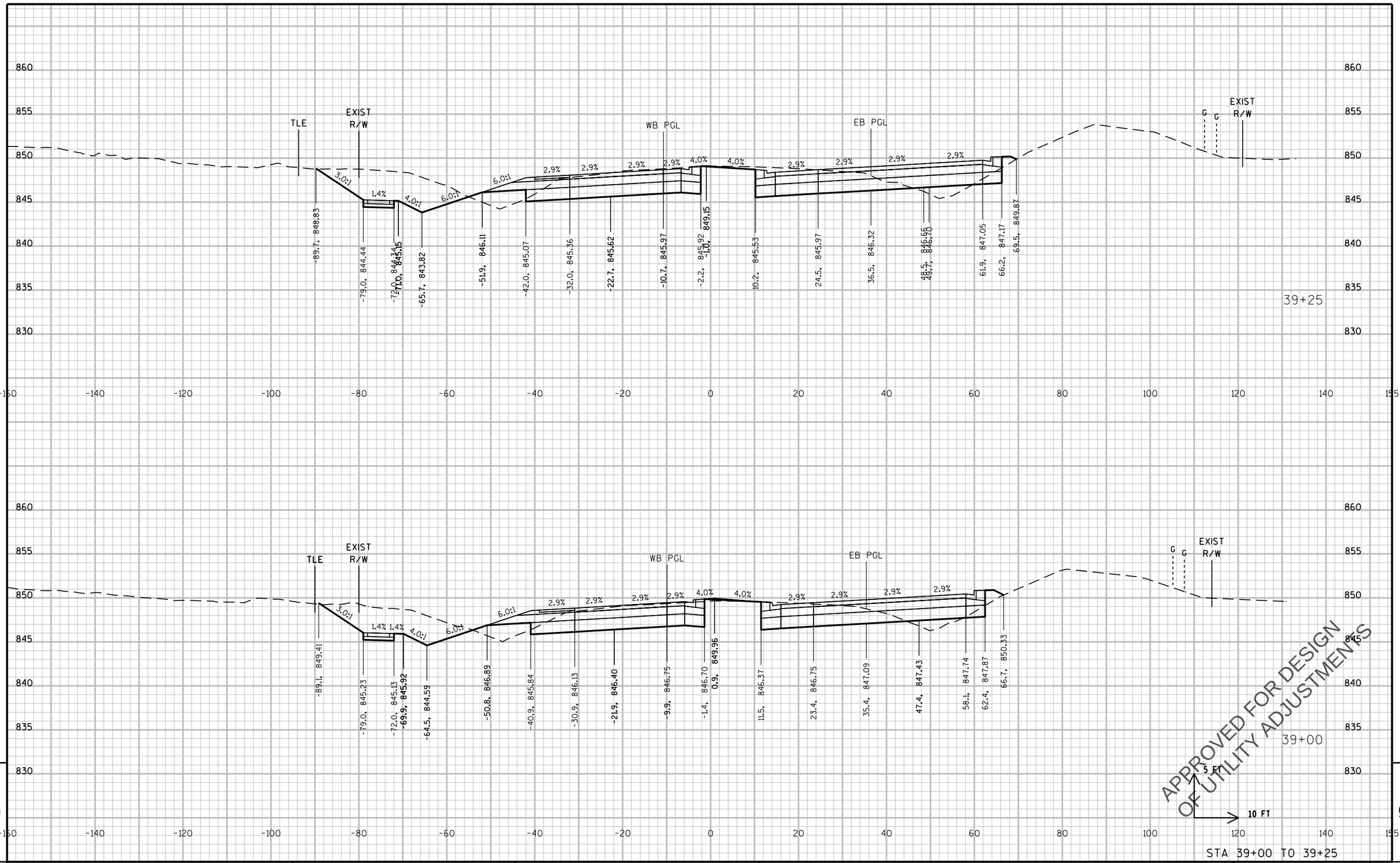


PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: GENESSE ROAD	SHEET	E

PRE_585

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090302_XS_GE.dgn PLOT DATE : 4/11/2016 10:40:35 AM PLOT BY : dbaumann PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



9

9

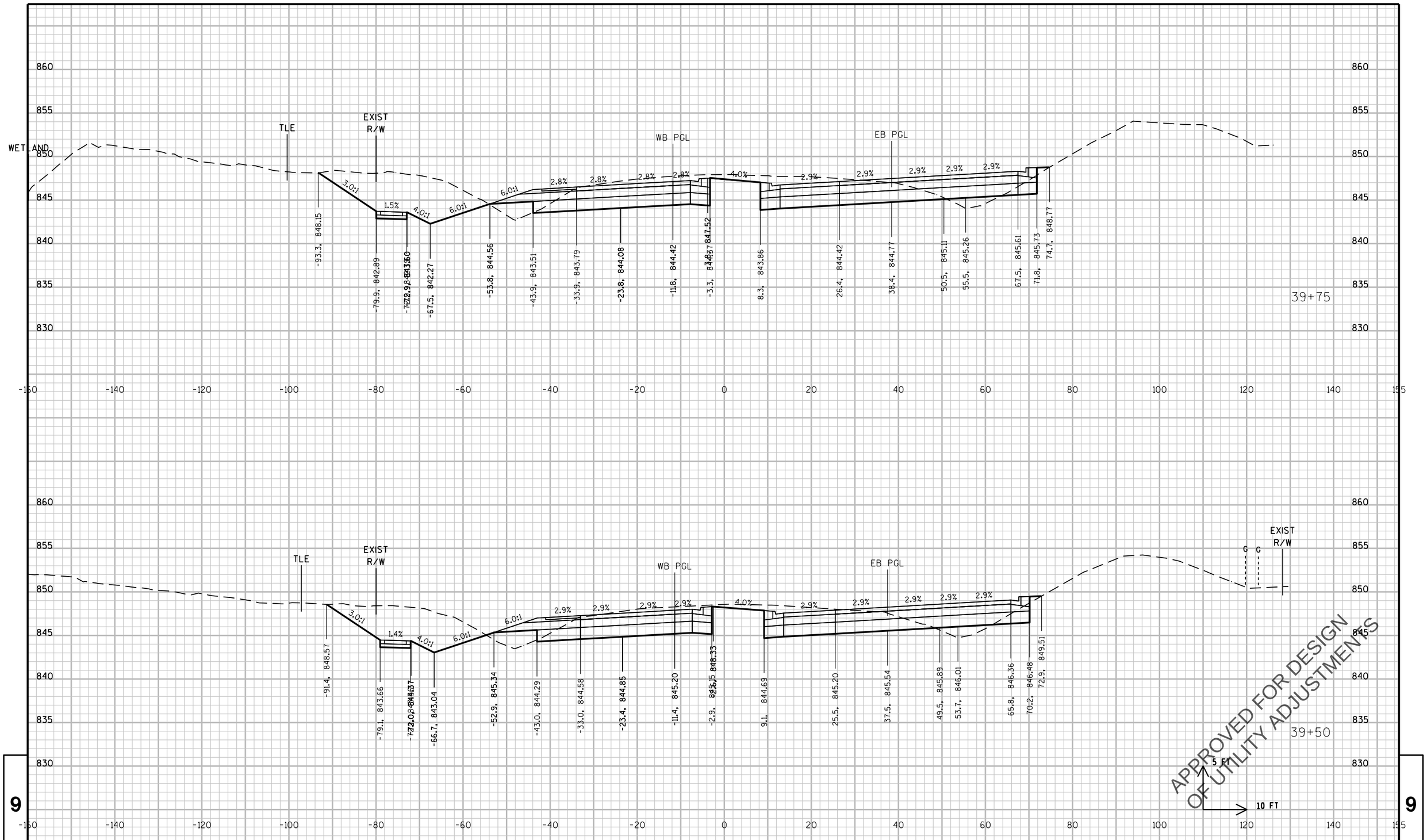
STA 39+00 TO 39+25

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: GENESSE ROAD	SHEET	E

PRE_586

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090302_XS_GE.dgn PLOT DATE : 4/11/2016 10:40:35 AM PLOT BY : dbaumann PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

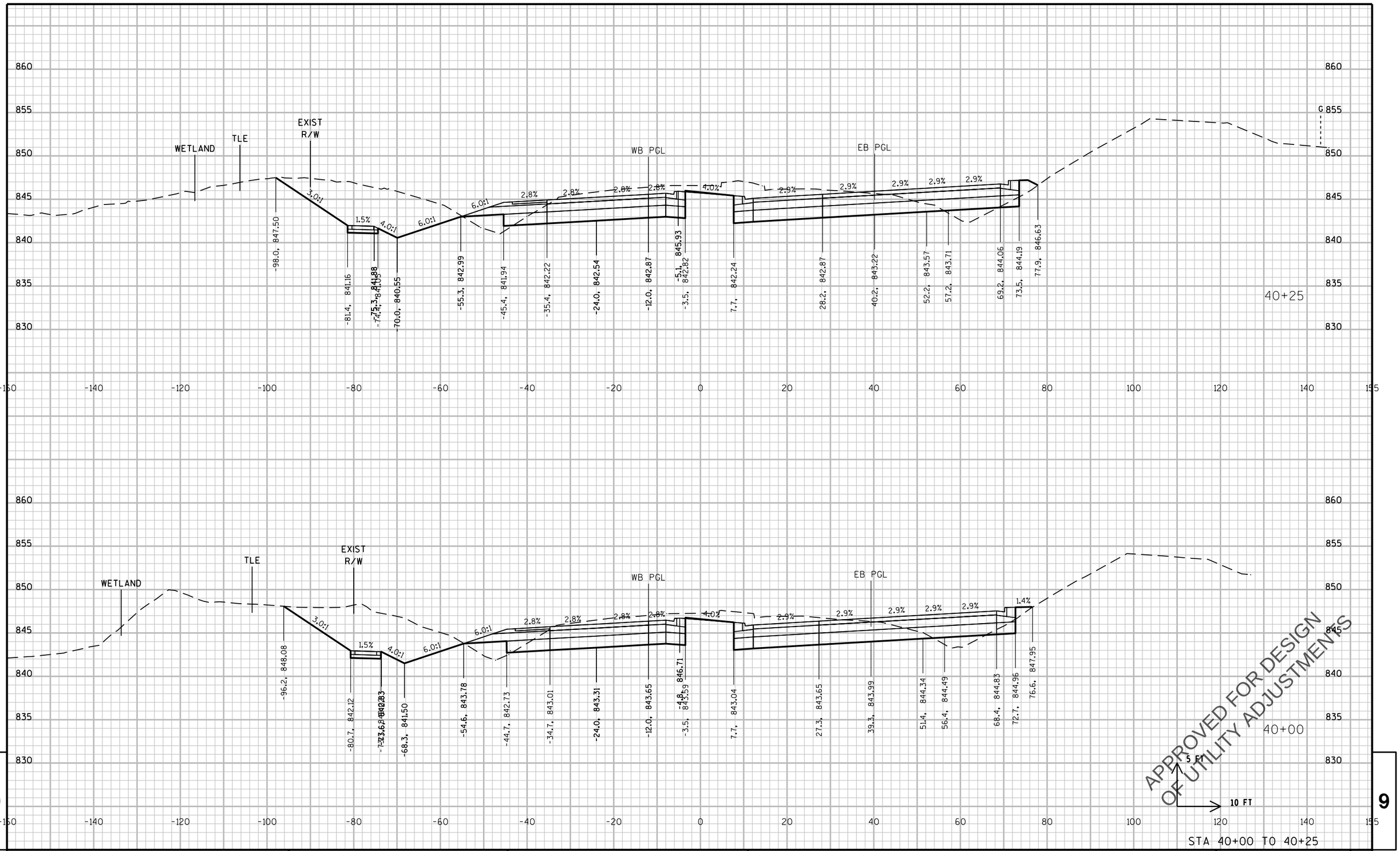


PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: GENESSE ROAD	SHEET E

PRE_587

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090302_XS_GE.dgn PLOT DATE : 4/11/2016 10:40:36 AM PLOT BY : dbaumann PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

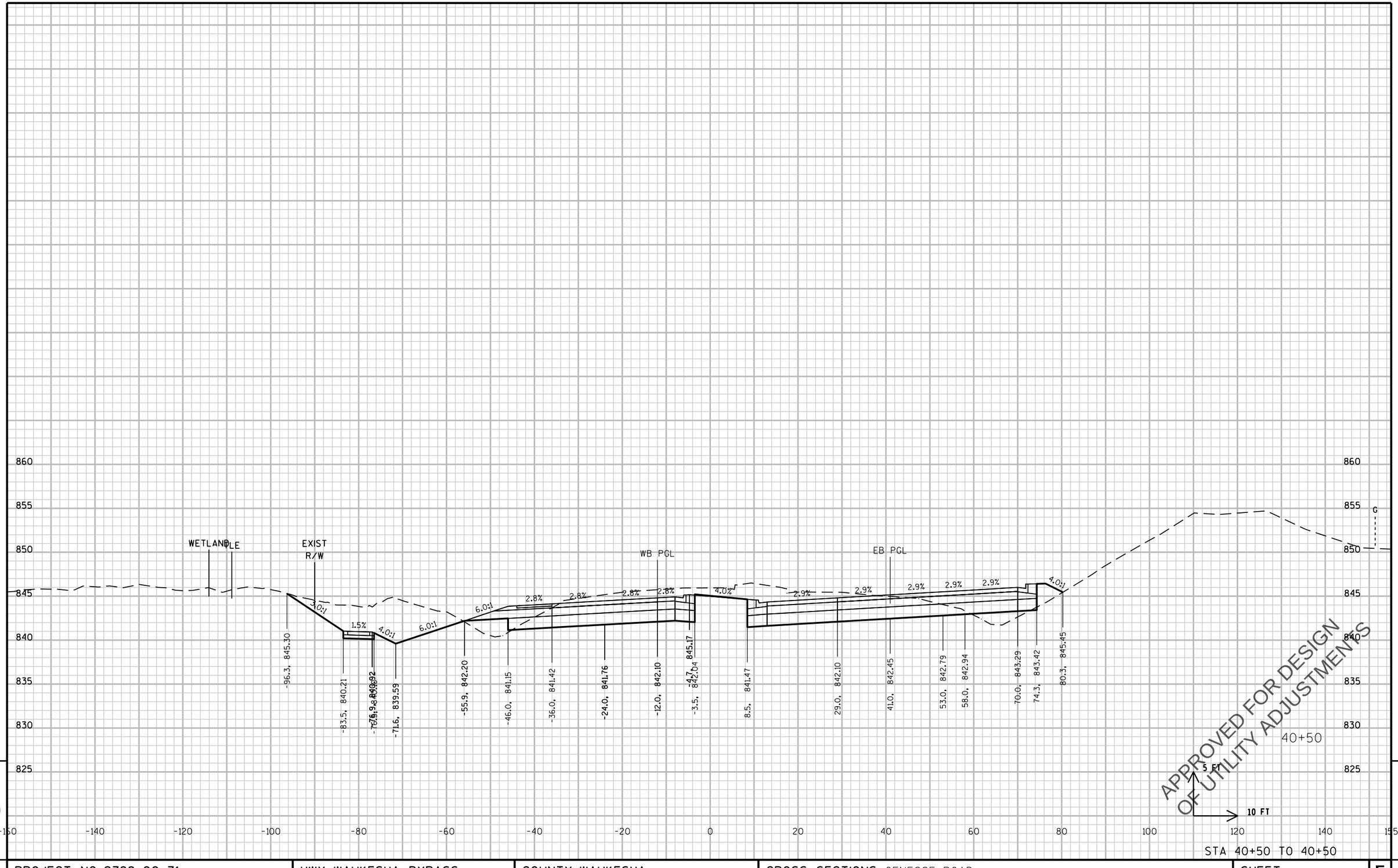


PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: GENESSE ROAD	SHEET	E

PRE_588

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090302_XS_GE.dgn PLOT DATE : 4/11/2016 10:40:37 AM PLOT BY : dbaumann PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



9

9

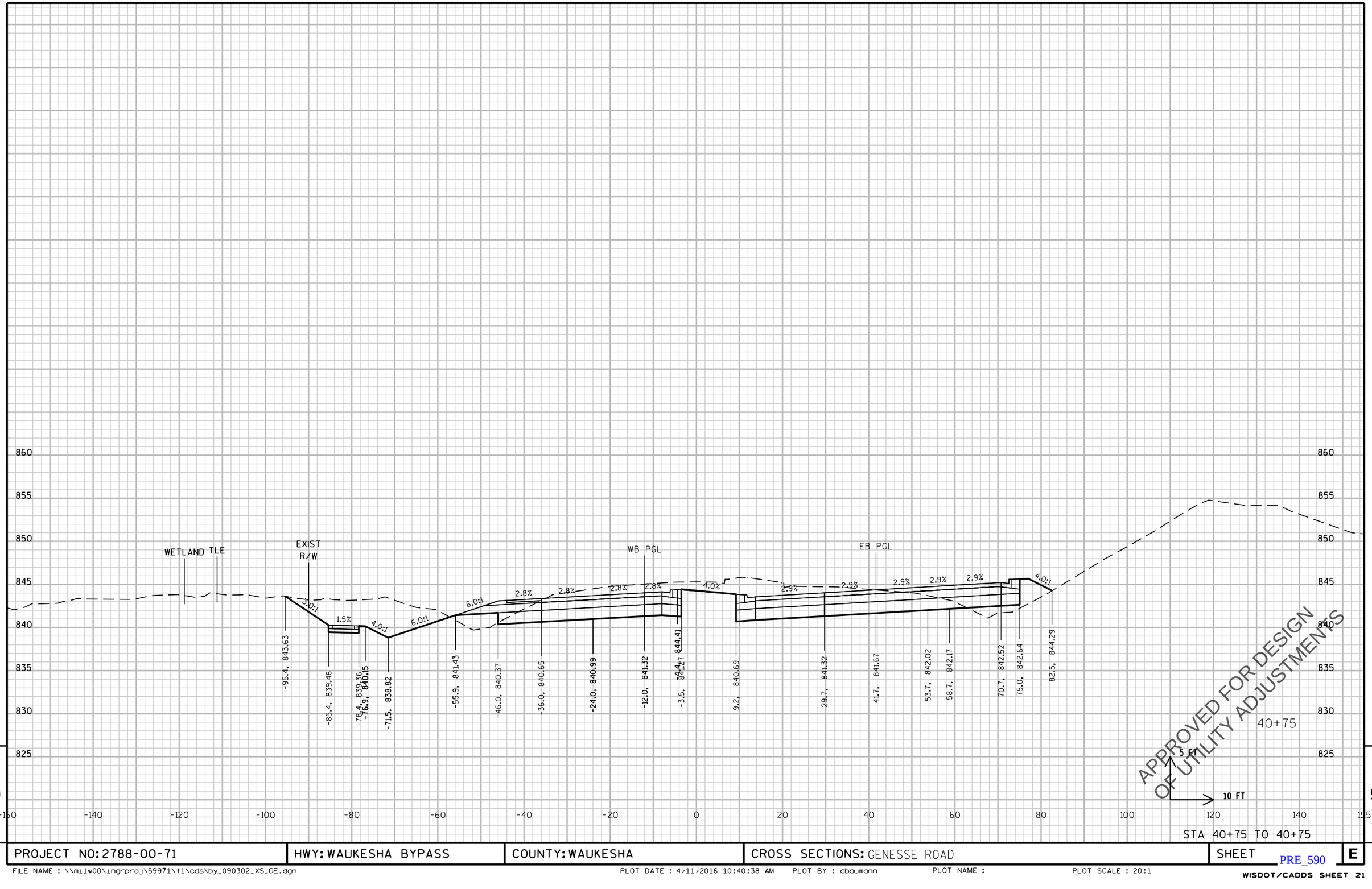
STA 40+50 TO 40+50

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: GENESSE ROAD	SHEET E

PRE_589

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090302_XS_GE.dgn PLOT DATE : 4/11/2016 10:40:37 AM PLOT BY : dbaumann PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

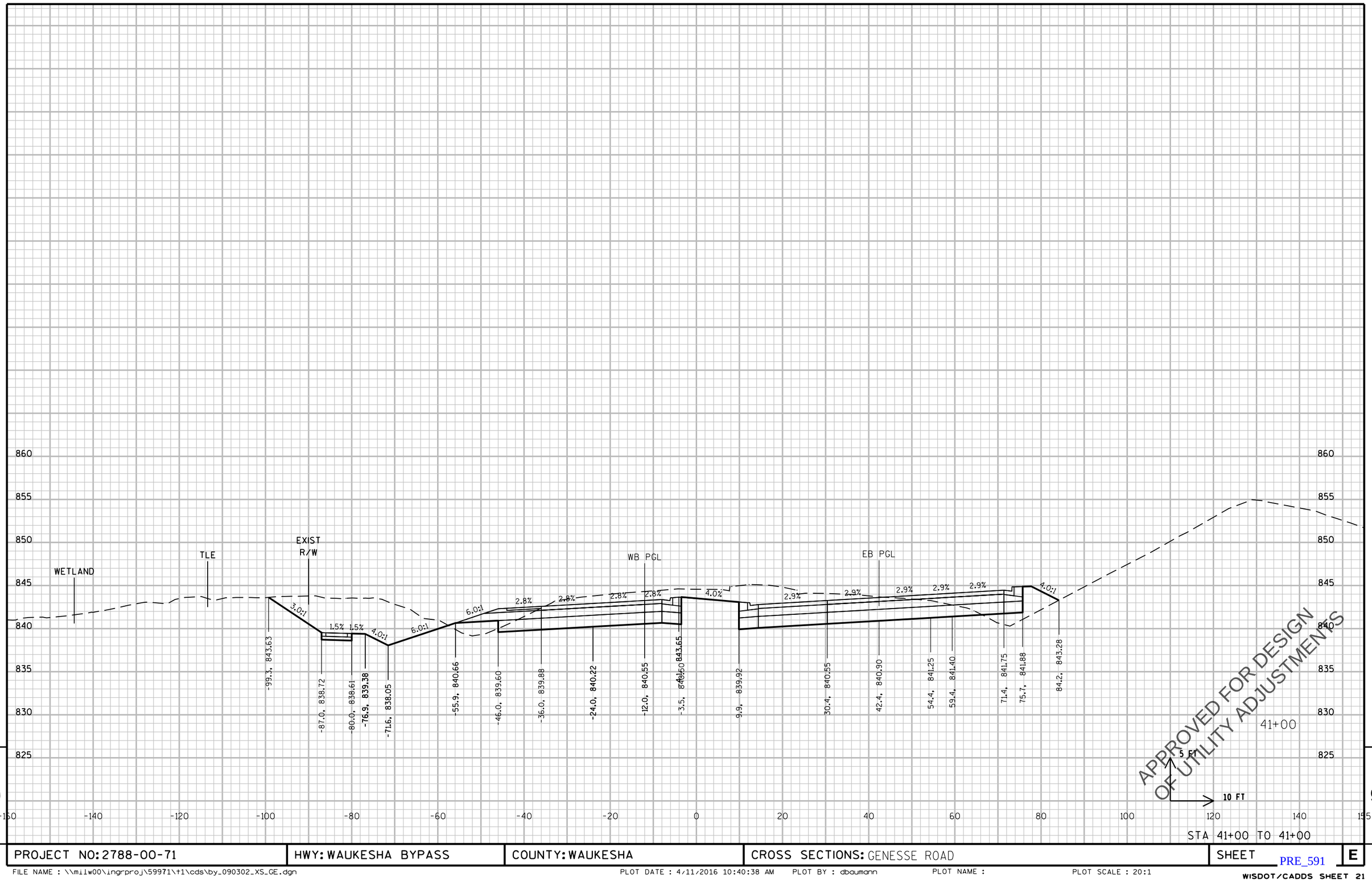


PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: GENESSE ROAD	SHEET E

PRE_590

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090302_XS_GE.dgn PLOT DATE : 4/11/2016 10:40:38 AM PLOT BY : dbaumann PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



9

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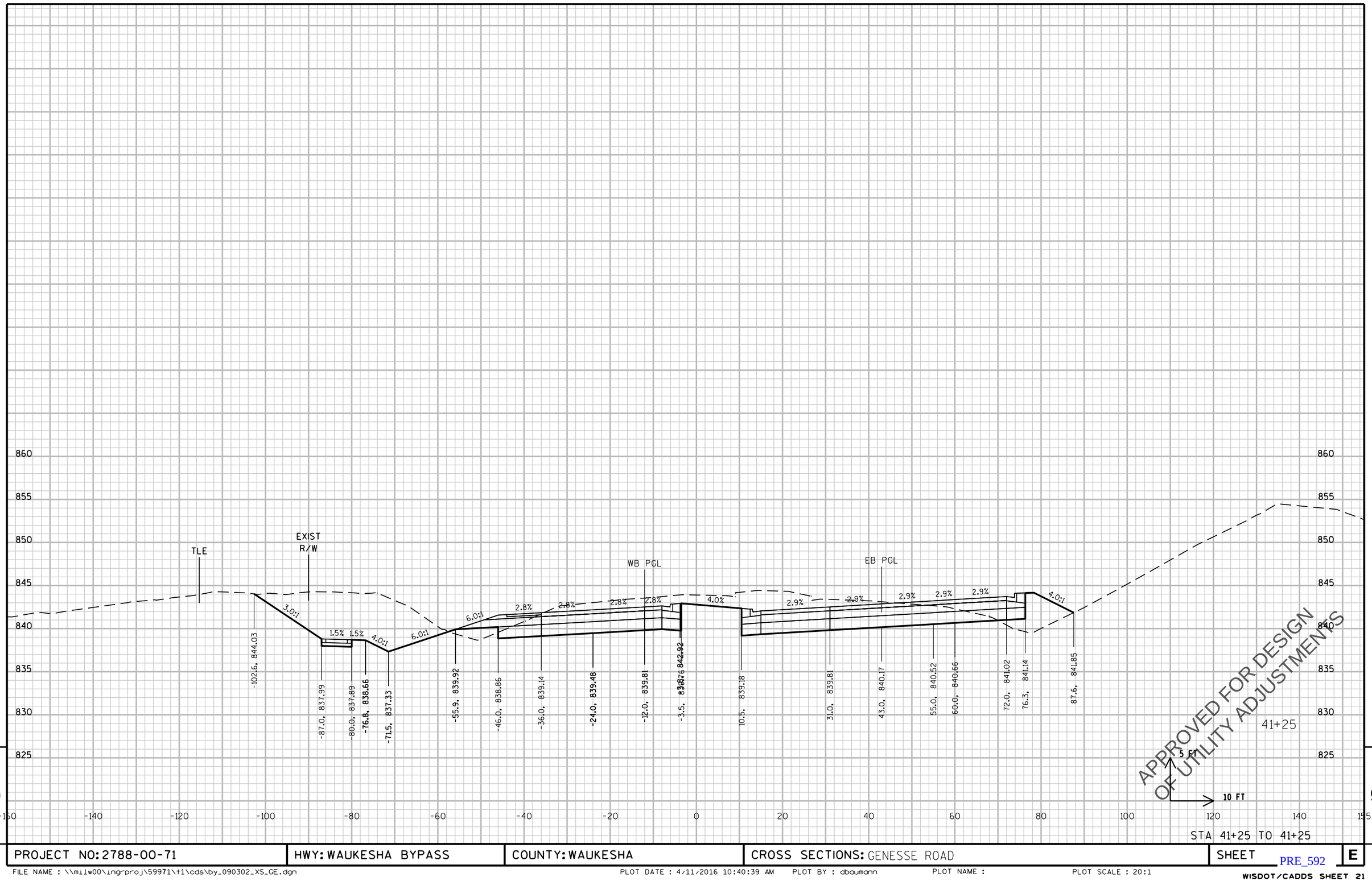
STA 41+00 TO 41+00

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: GENESSE ROAD	SHEET	E

PRE_591

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090302_XS_GE.dgn PLOT DATE : 4/11/2016 10:40:38 AM PLOT BY : dbaumann PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



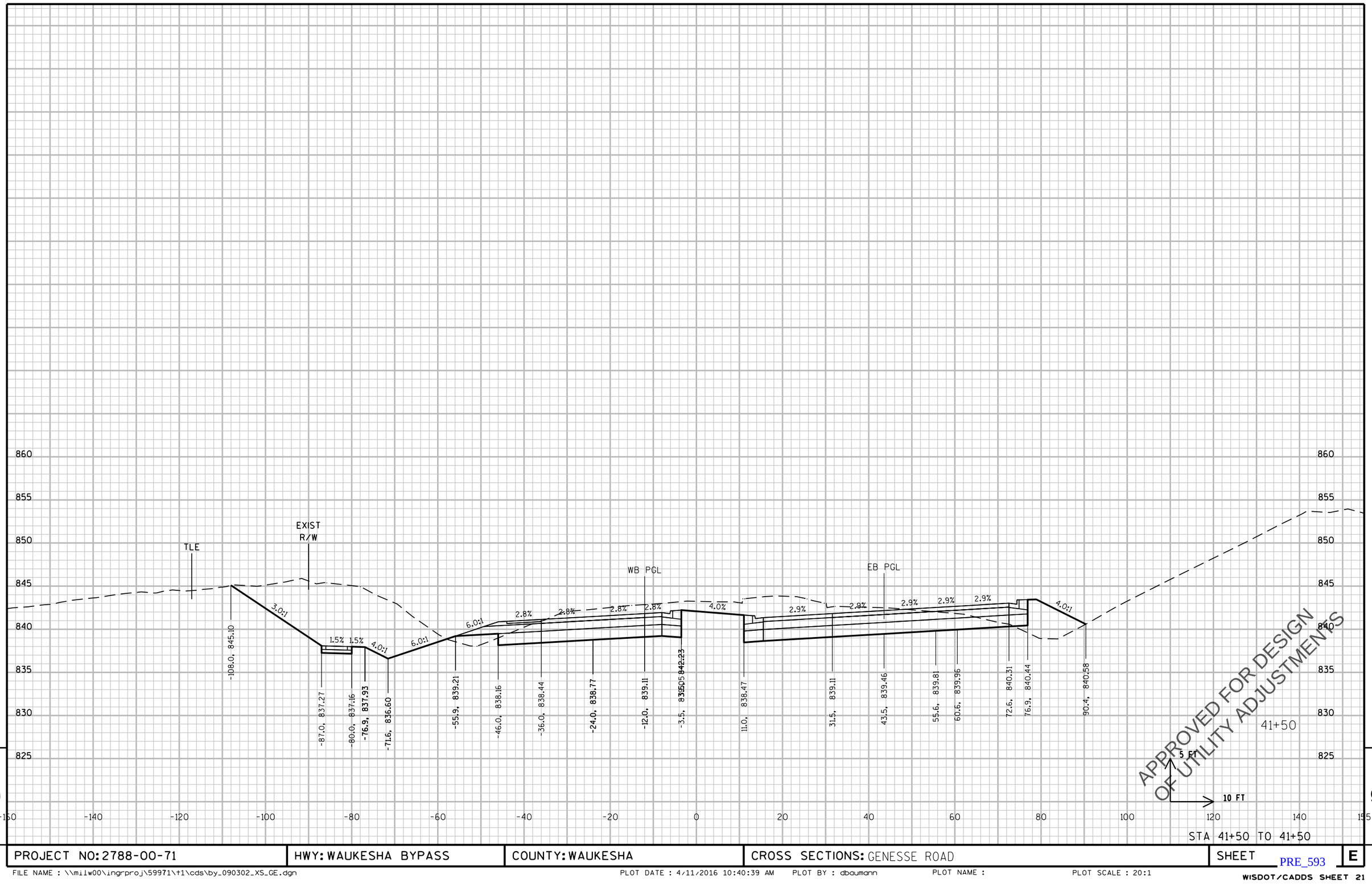
STA 41+25 TO 41+25

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: GENESSE ROAD	SHEET	E

PRE_592

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090302_XS_GE.dgn PLOT DATE : 4/11/2016 10:40:39 AM PLOT BY : dbaumann PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



9

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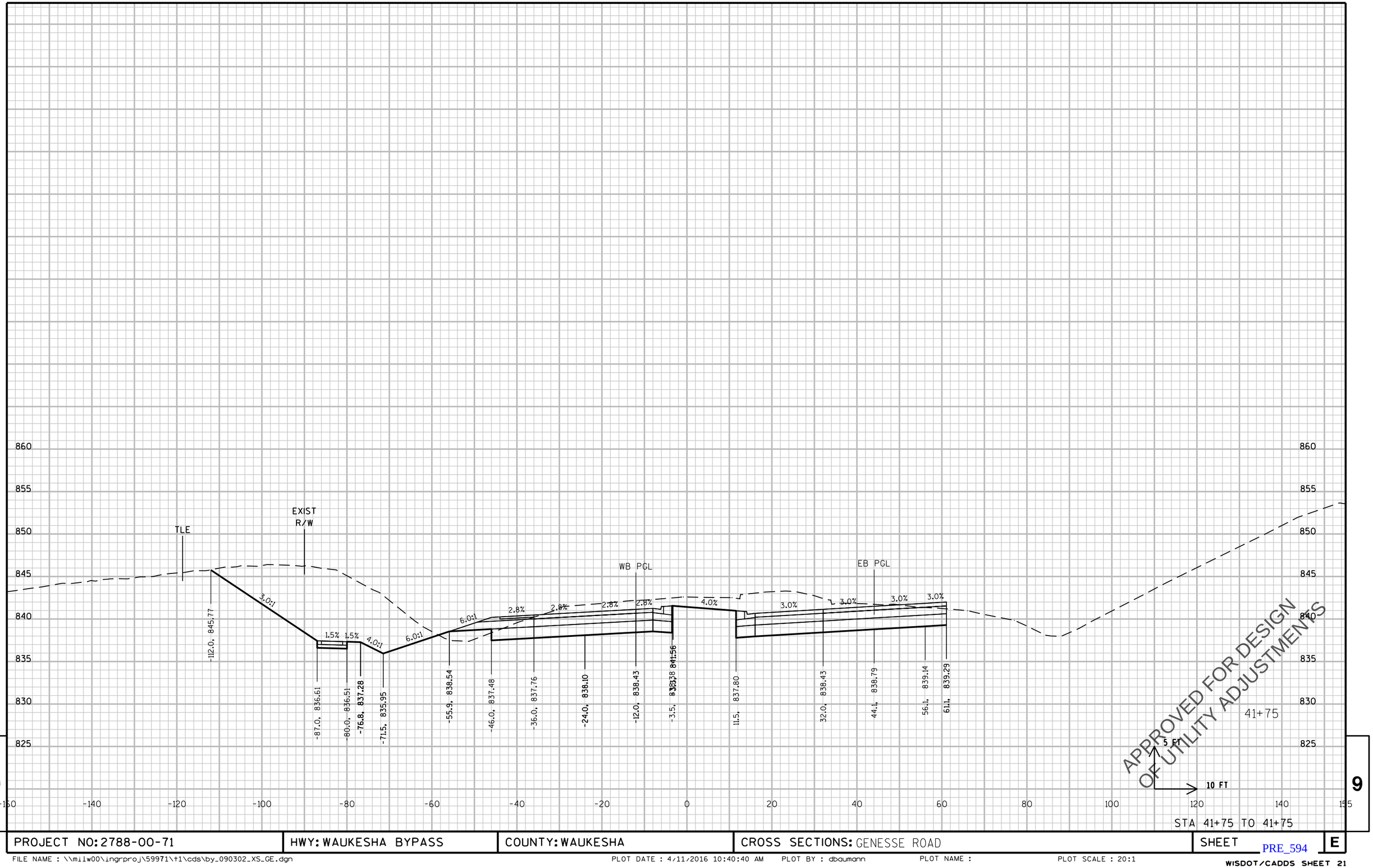
STA 41+50 TO 41+50

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: GENESSE ROAD	SHEET E

PRE_593

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090302_XS_GE.dgn PLOT DATE : 4/11/2016 10:40:39 AM PLOT BY : dbaumann PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



9

9

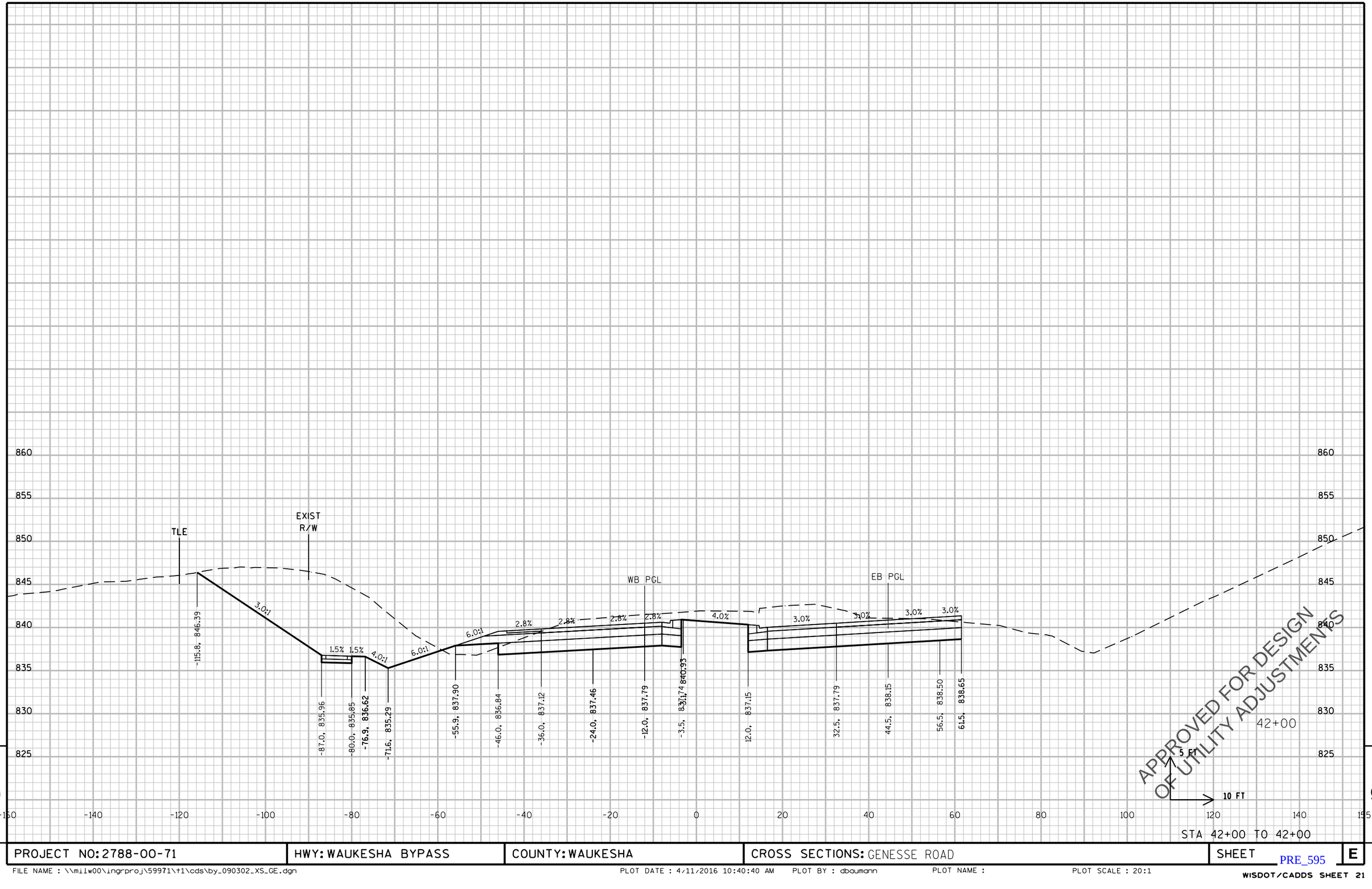
STA 41+75 TO 41+75

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: GENESSE ROAD	SHEET E

PRE_594

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090302_XS_GE.dgn PLOT DATE : 4/11/2016 10:40:40 AM PLOT BY : dbaumann PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



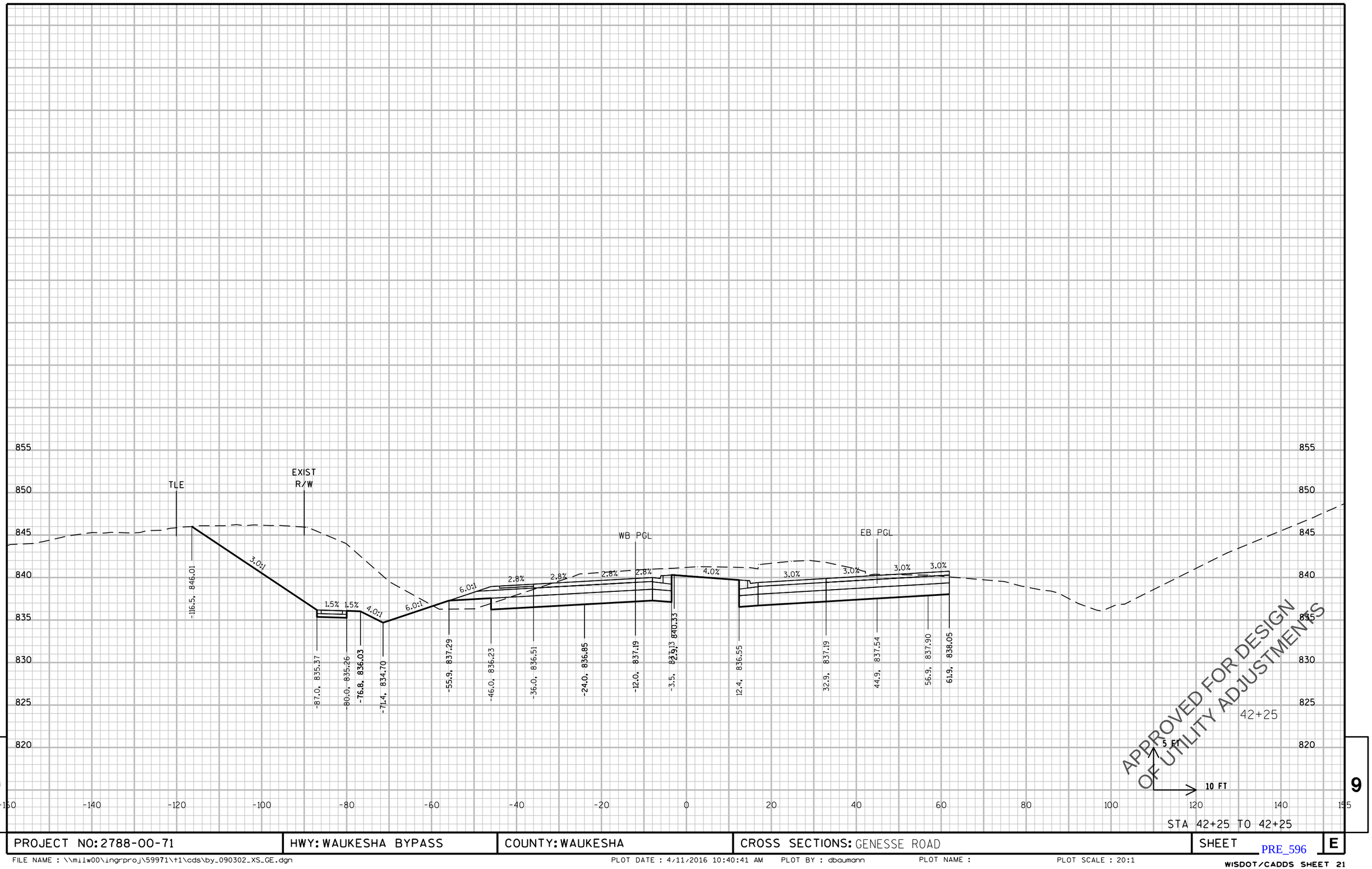
9

STA 42+00 TO 42+00

9

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: GENESSE ROAD	SHEET E

PRE_595



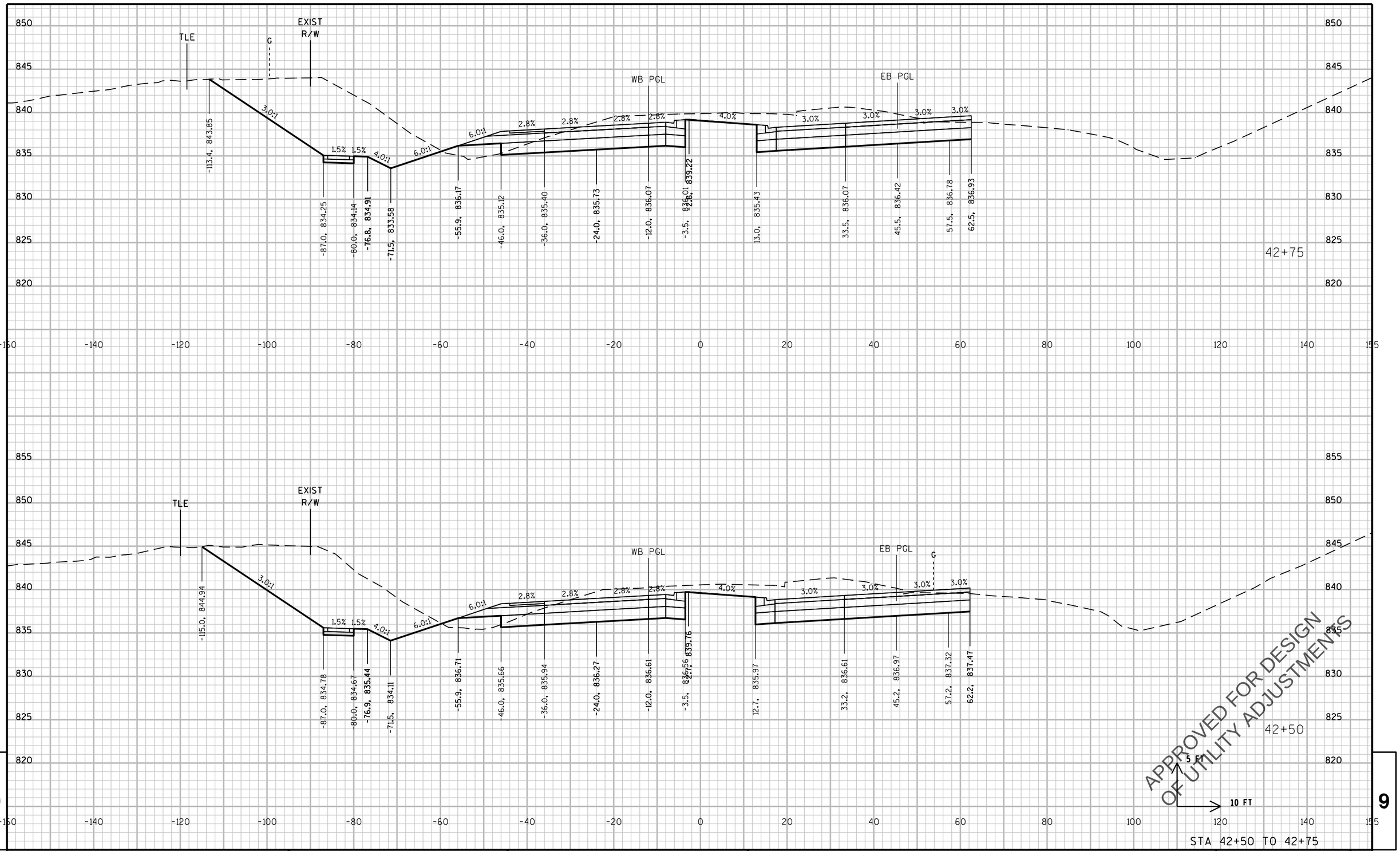
STA 42+25 TO 42+25

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: GENESSE ROAD	SHEET E

PRE_596

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090302_XS_GE.dgn PLOT DATE : 4/11/2016 10:40:41 AM PLOT BY : dbaumann PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



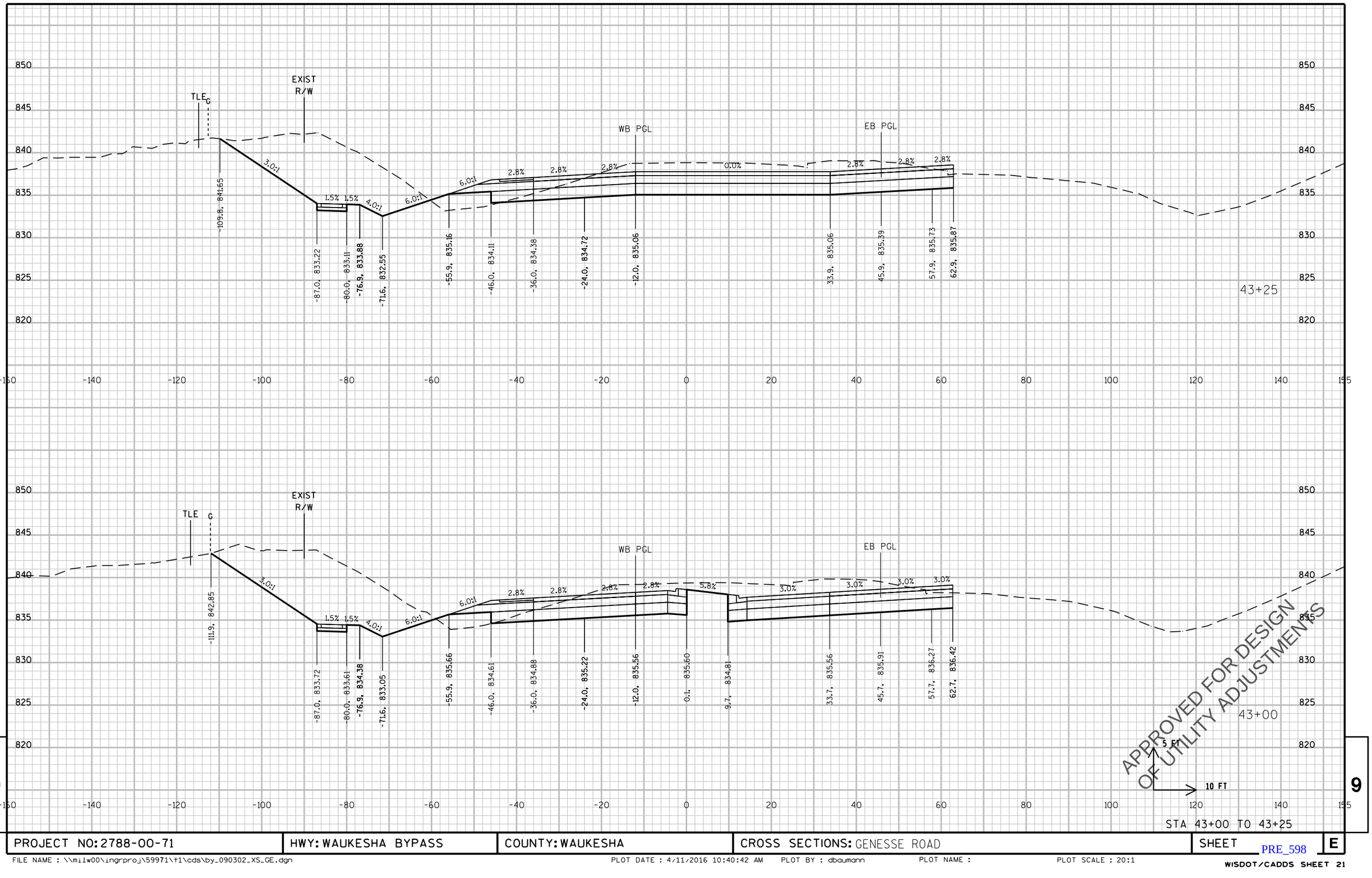
STA 42+50 TO 42+75

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: GENESSE ROAD	SHEET E

PRE_597

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090302_XS_GE.dgn PLOT DATE : 4/11/2016 10:40:41 AM PLOT BY : dbaumann PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

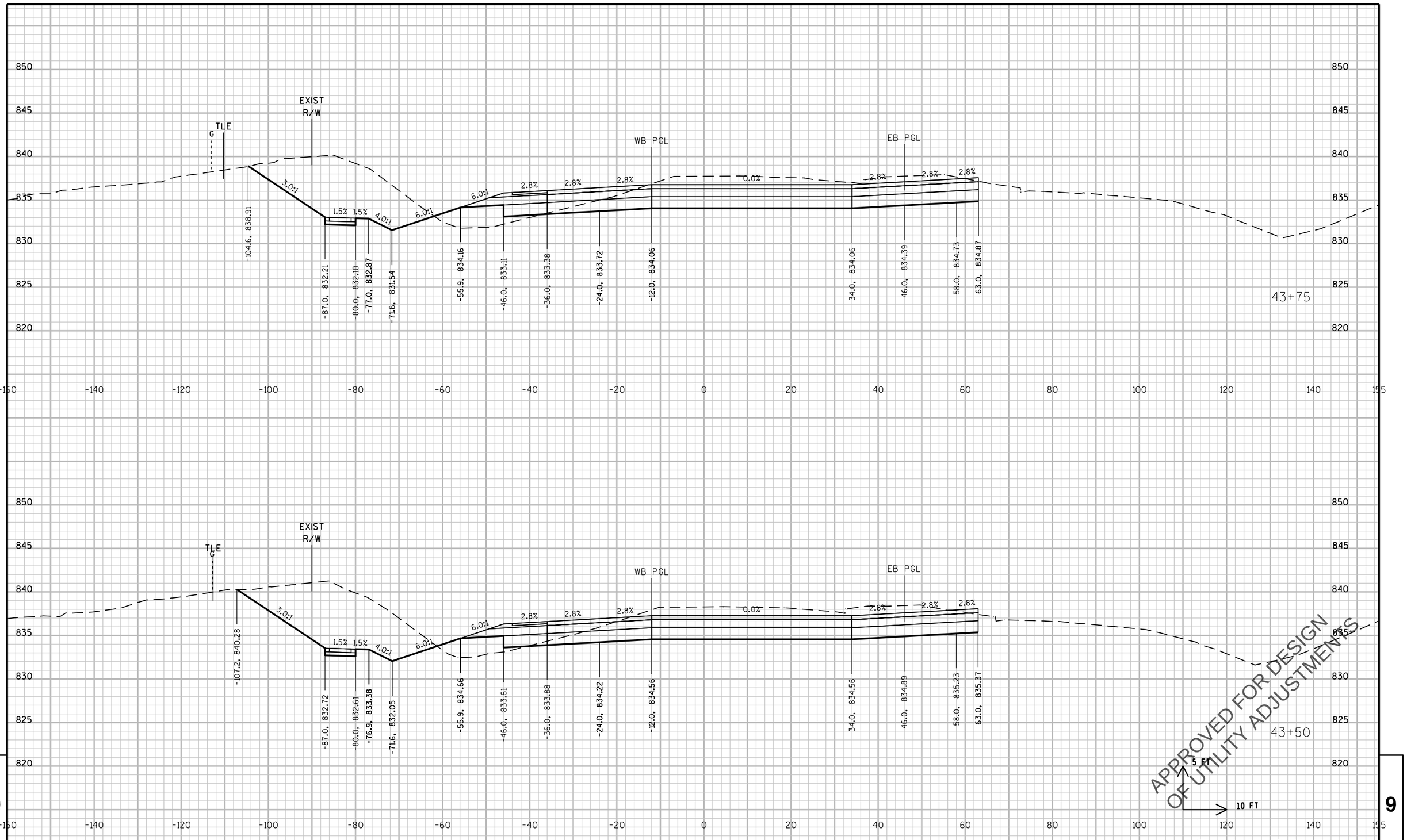


PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: GENESSE ROAD	SHEET	E

PRE_598

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090302_XS_GE.dgn PLOT DATE : 4/11/2016 10:40:42 AM PLOT BY : dbaumann PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

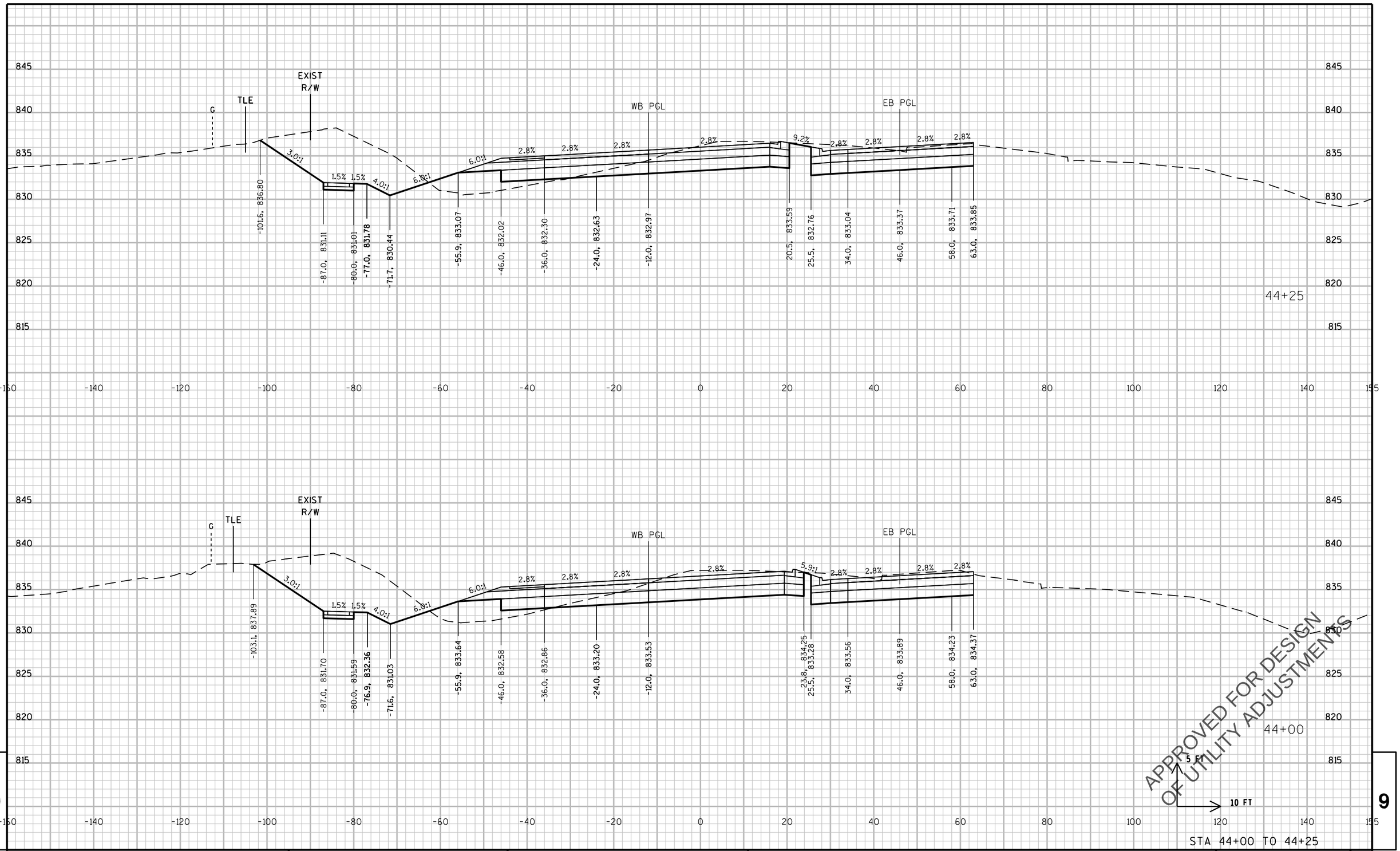


PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: GENESSE ROAD	SHEET	E

PRE_599

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090302_XS_GE.dgn PLOT DATE : 4/11/2016 10:40:43 AM PLOT BY : dbaumann PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS

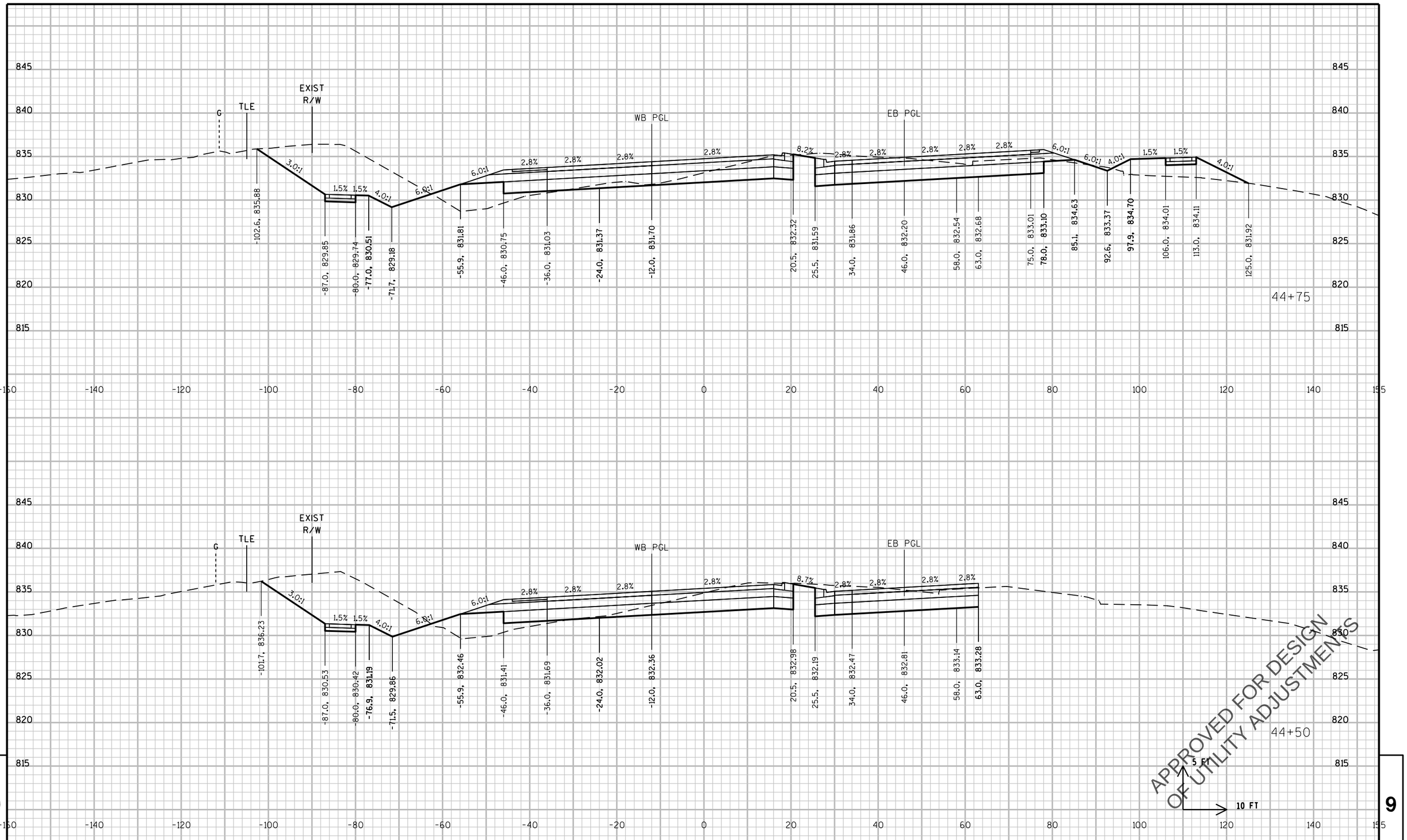
STA 44+00 TO 44+25

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: GENESSE ROAD	SHEET E

PRE_600

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090302_XS_GE.dgn PLOT DATE : 4/11/2016 10:40:43 AM PLOT BY : dbaumann PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

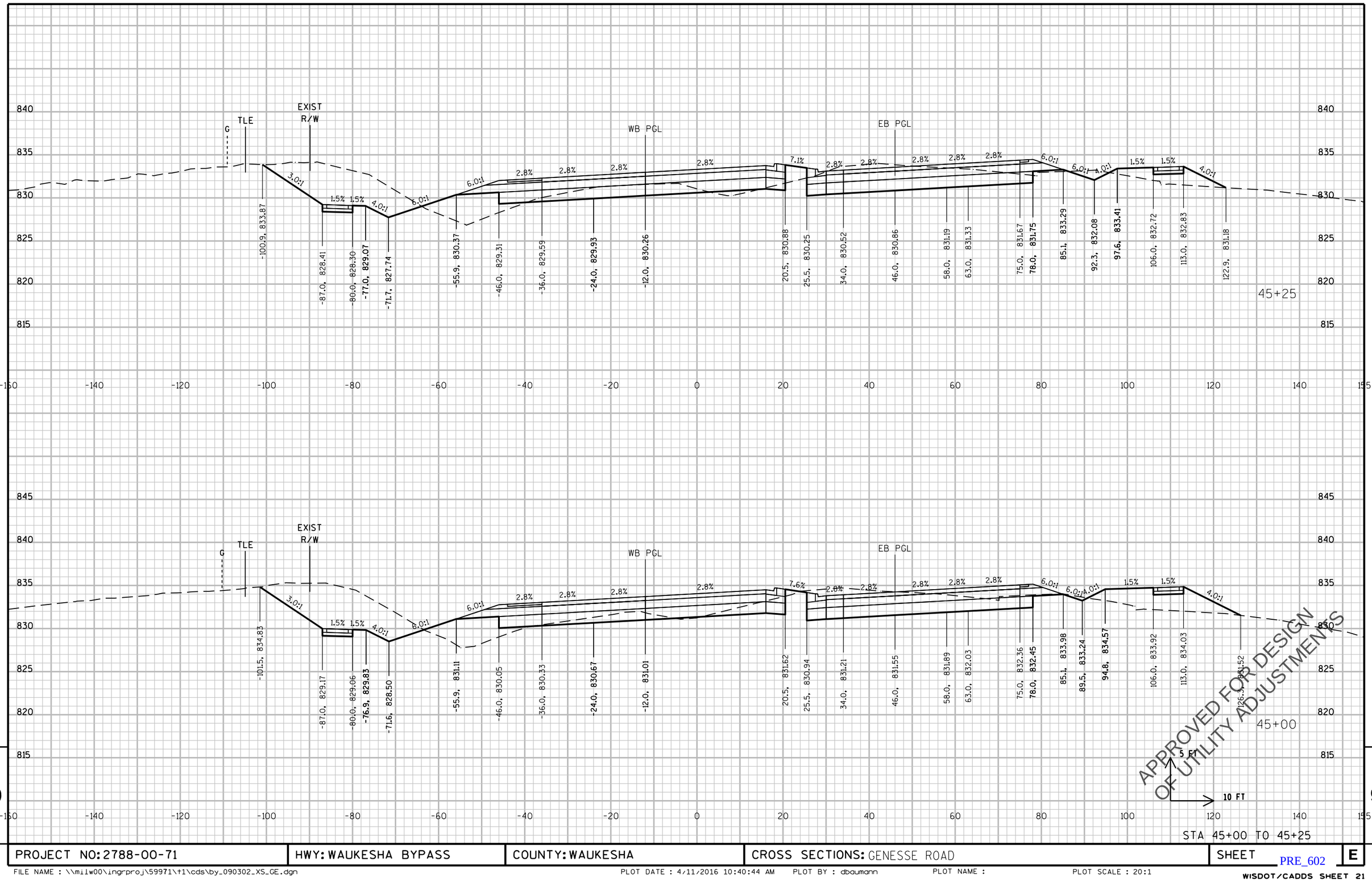


PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: GENESSE ROAD	SHEET	E

PRE_601

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090302_XS_GE.dgn PLOT DATE : 4/11/2016 10:40:44 AM PLOT BY : dbaumann PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

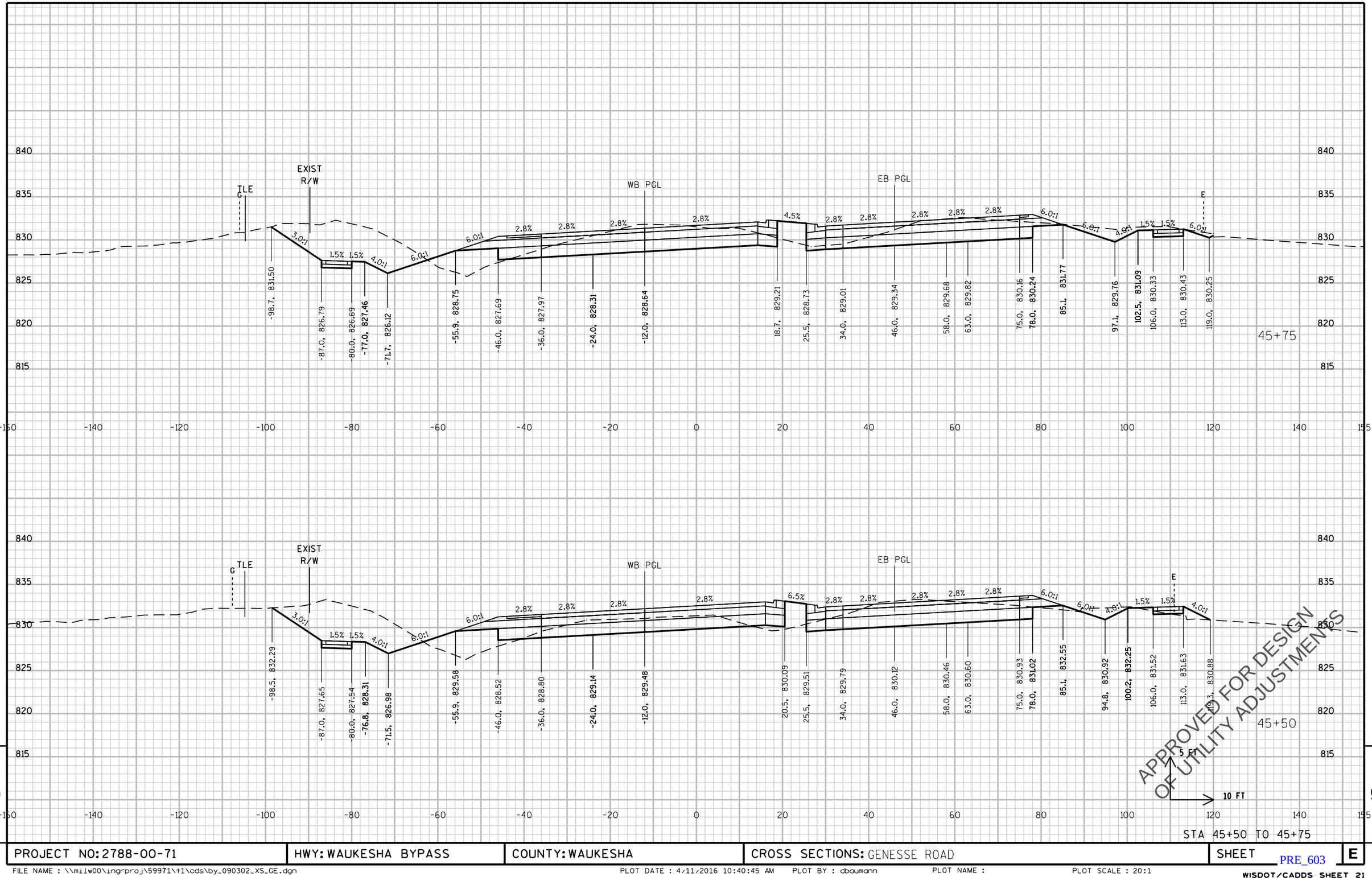


PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: GENESSE ROAD	SHEET	E

PRE_602

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090302_XS_GE.dgn PLOT DATE : 4/11/2016 10:40:44 AM PLOT BY : dbaumann PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS

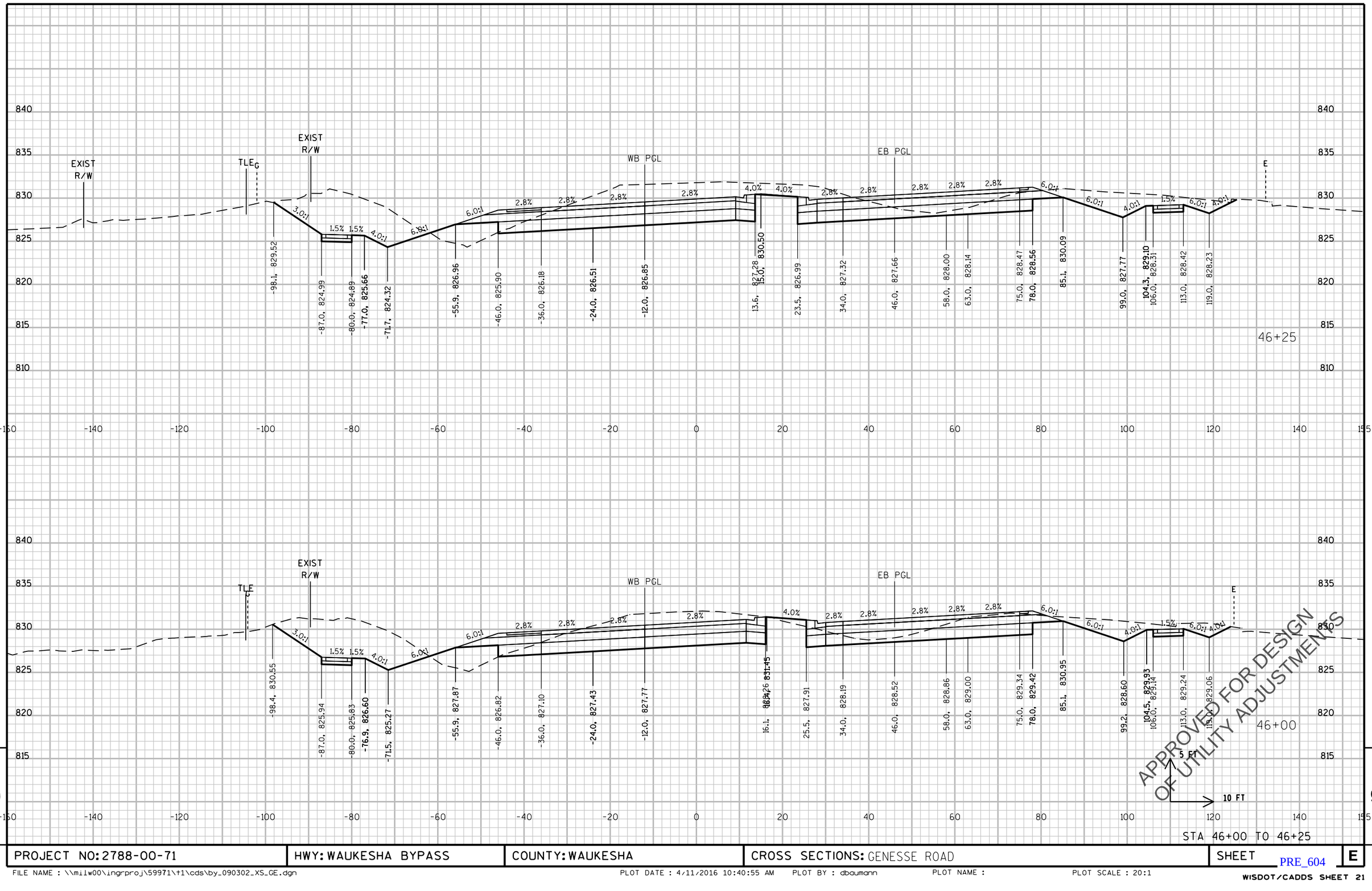
STA 45+50 TO 45+75

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: GENESSE ROAD	SHEET	E

PRE_603

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090302_XS_GE.dgn PLOT DATE : 4/11/2016 10:40:45 AM PLOT BY : dbaumann PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

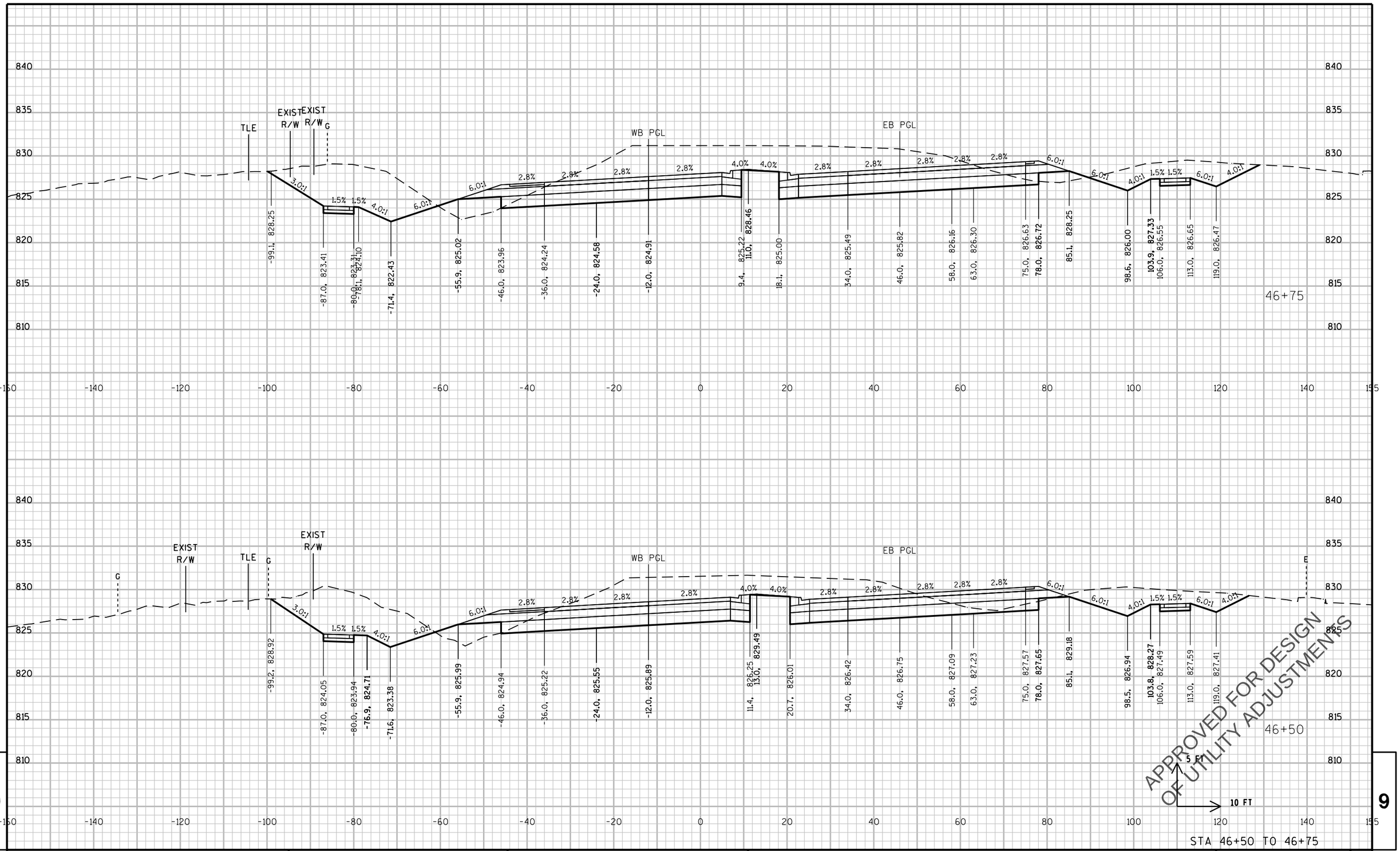


PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: GENESSE ROAD	SHEET	E

PRE_604

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090302_XS_GE.dgn PLOT DATE : 4/11/2016 10:40:55 AM PLOT BY : dbaumann PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



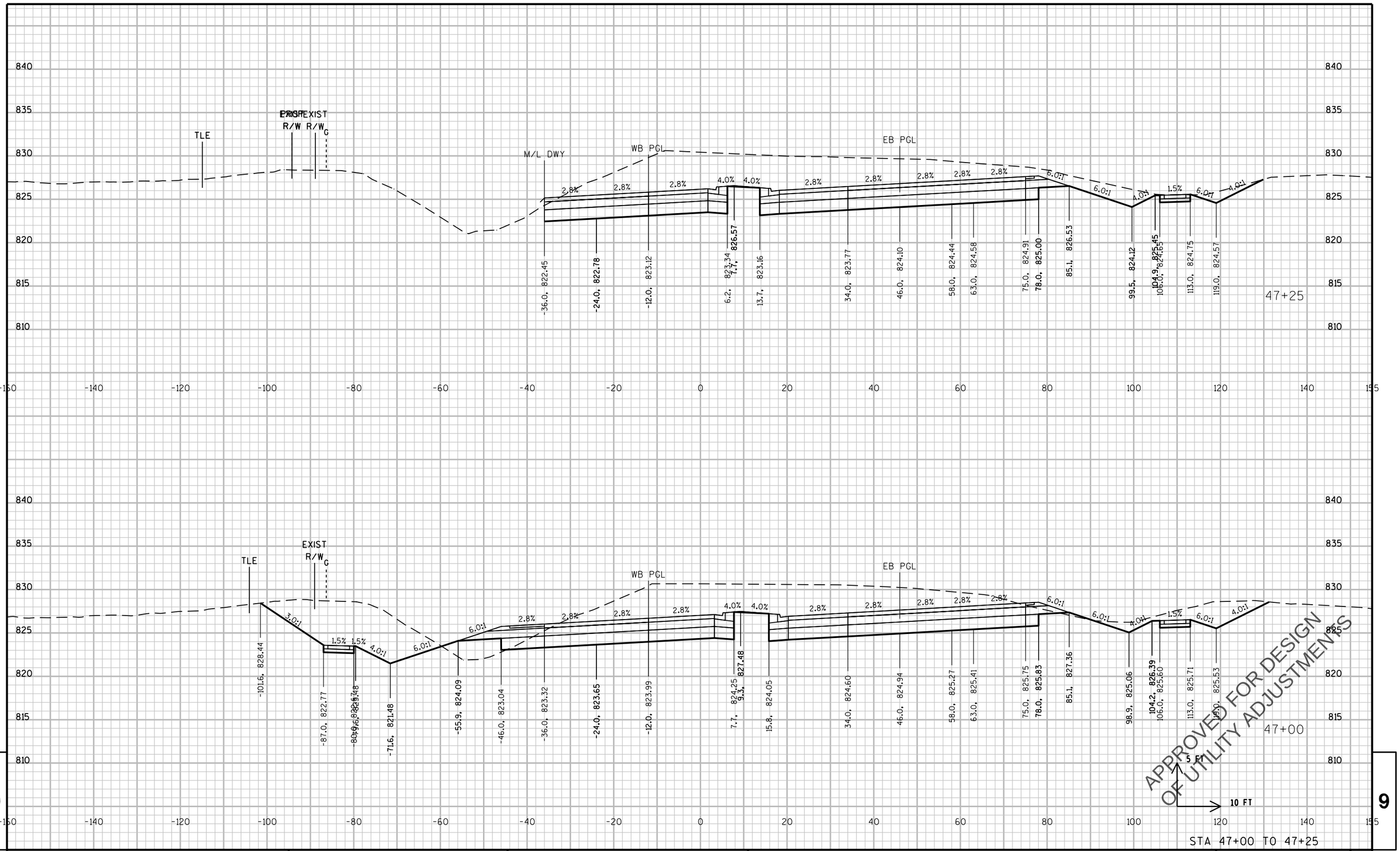
STA 46+50 TO 46+75

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: GENESSE ROAD	SHEET E

PRE_605

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090302_XS_GE.dgn PLOT DATE : 4/11/2016 10:40:56 AM PLOT BY : dbaumann PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

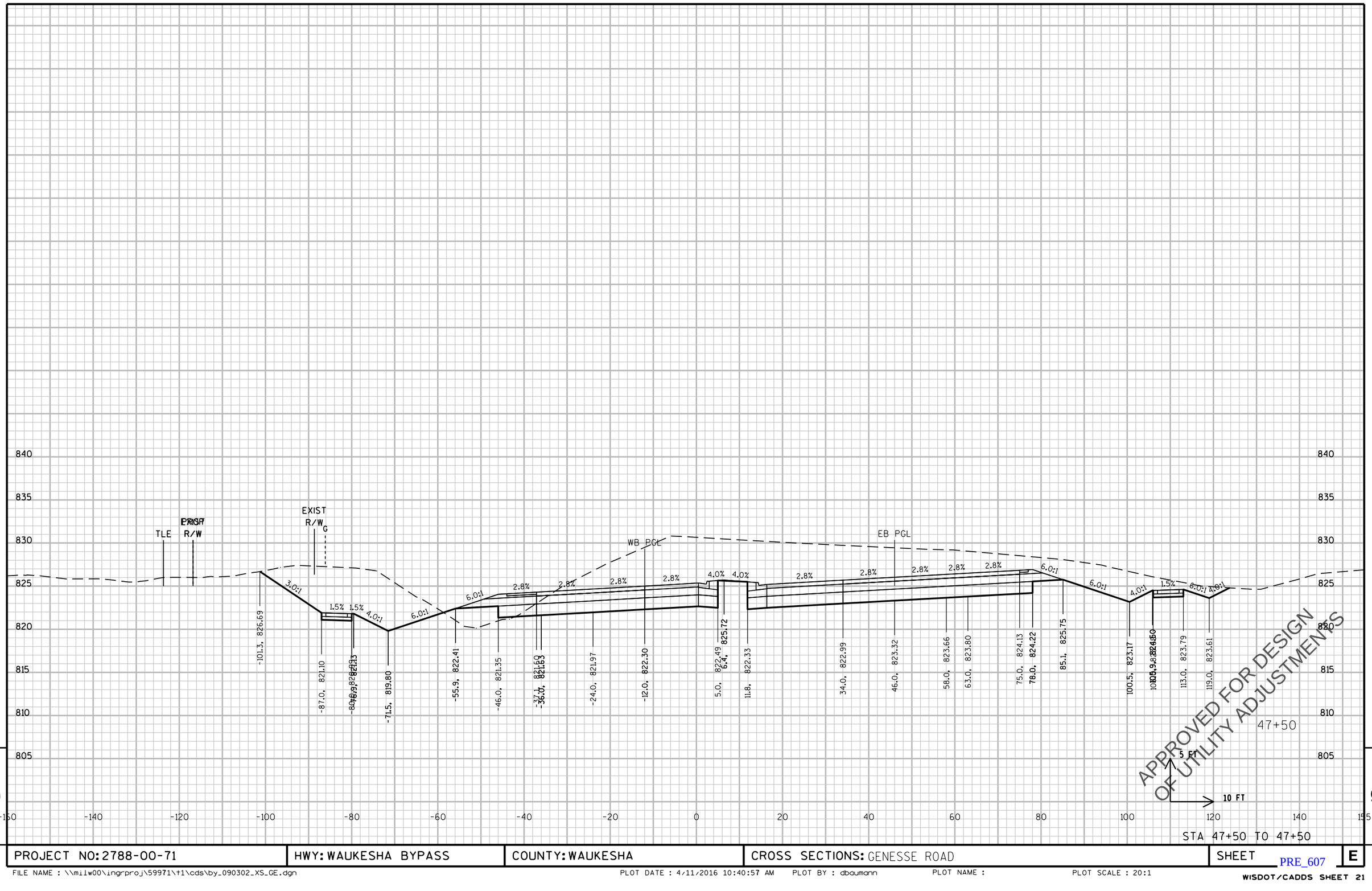


PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: GENESSE ROAD	SHEET	E

PRE_606

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090302_XS_GE.dgn PLOT DATE : 4/11/2016 10:40:56 AM PLOT BY : dbaumann PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



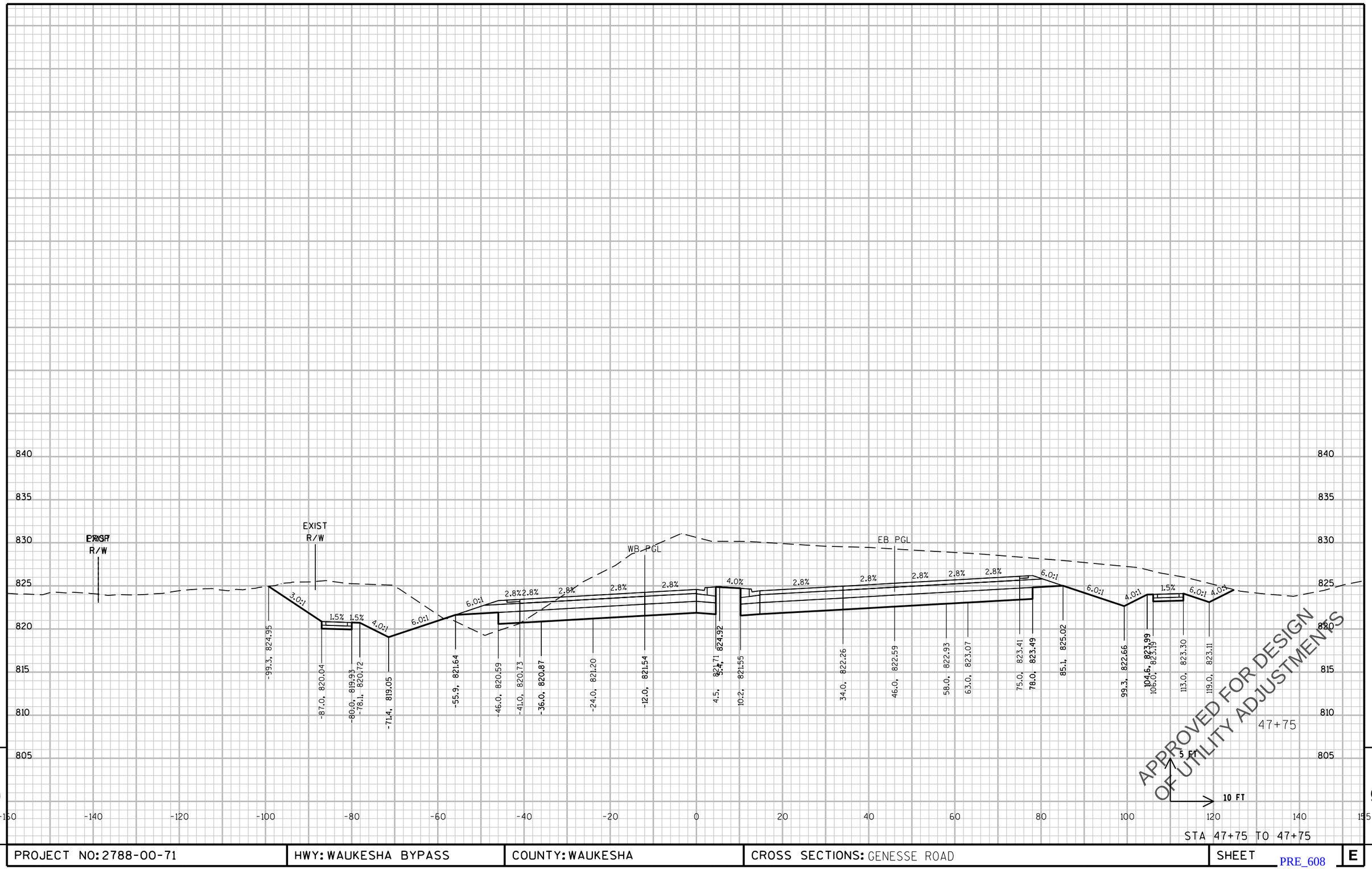
STA 47+50 TO 47+50

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: GENESSE ROAD	SHEET	E

PRE_607

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090302_XS_GE.dgn PLOT DATE : 4/11/2016 10:40:57 AM PLOT BY : dbaumann PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

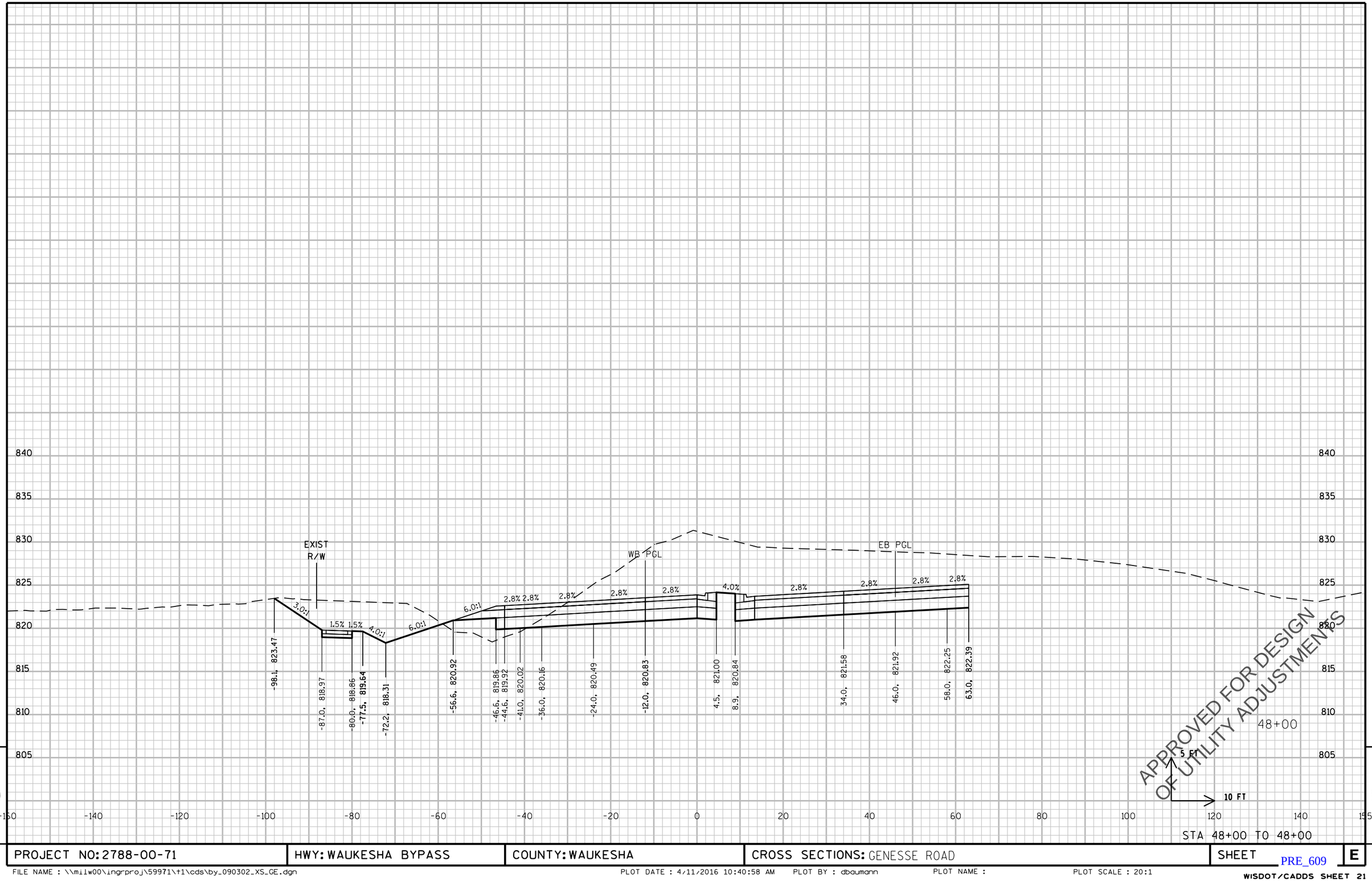


PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: GENESSE ROAD	SHEET E

PRE_608

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090302_XS_GE.dgn PLOT DATE : 4/11/2016 10:40:57 AM PLOT BY : dbaumann PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



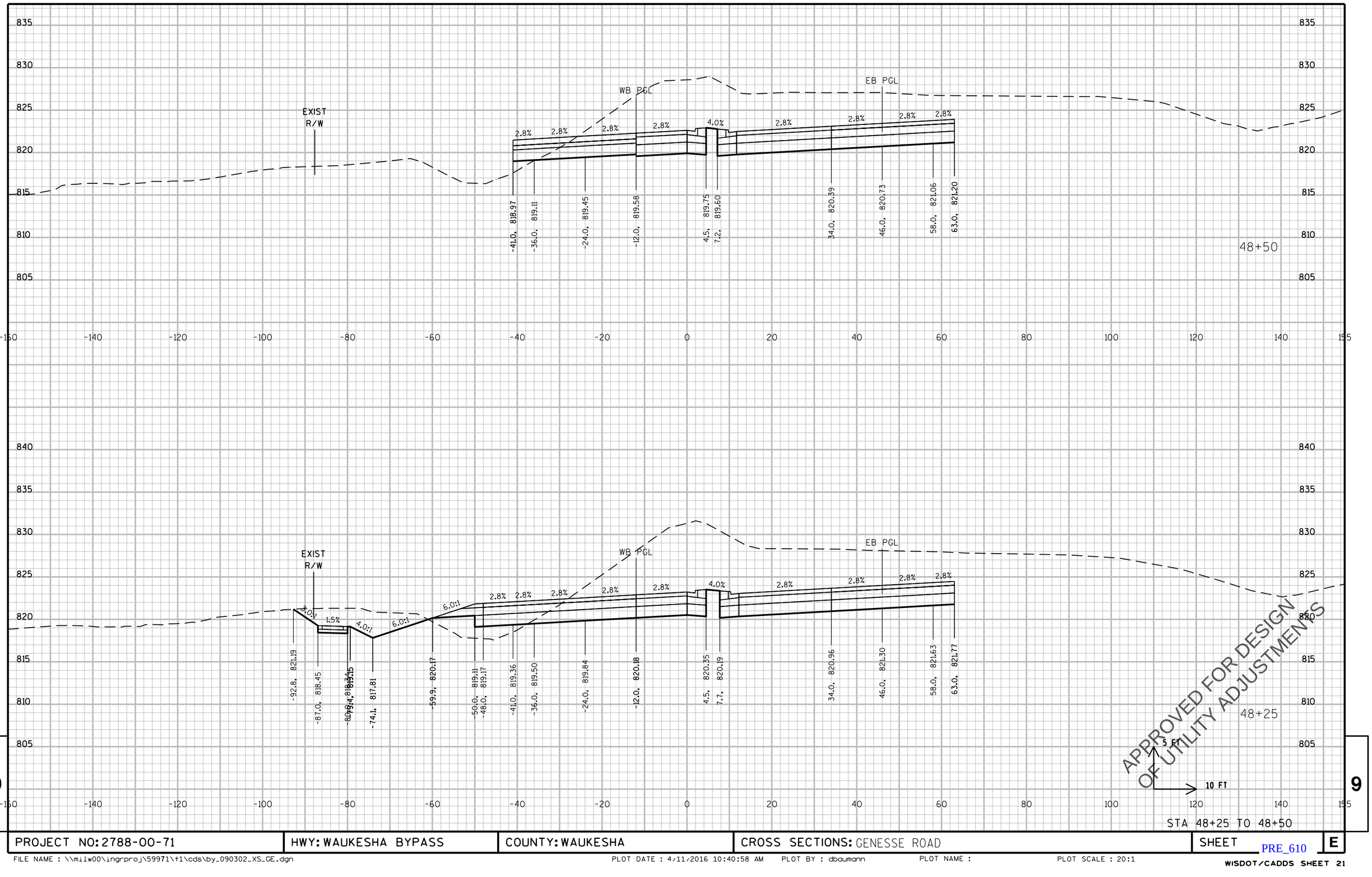
STA 48+00 TO 48+00

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: GENESSE ROAD	SHEET E

PRE_609

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090302_XS_GE.dgn PLOT DATE : 4/11/2016 10:40:58 AM PLOT BY : dbaumann PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

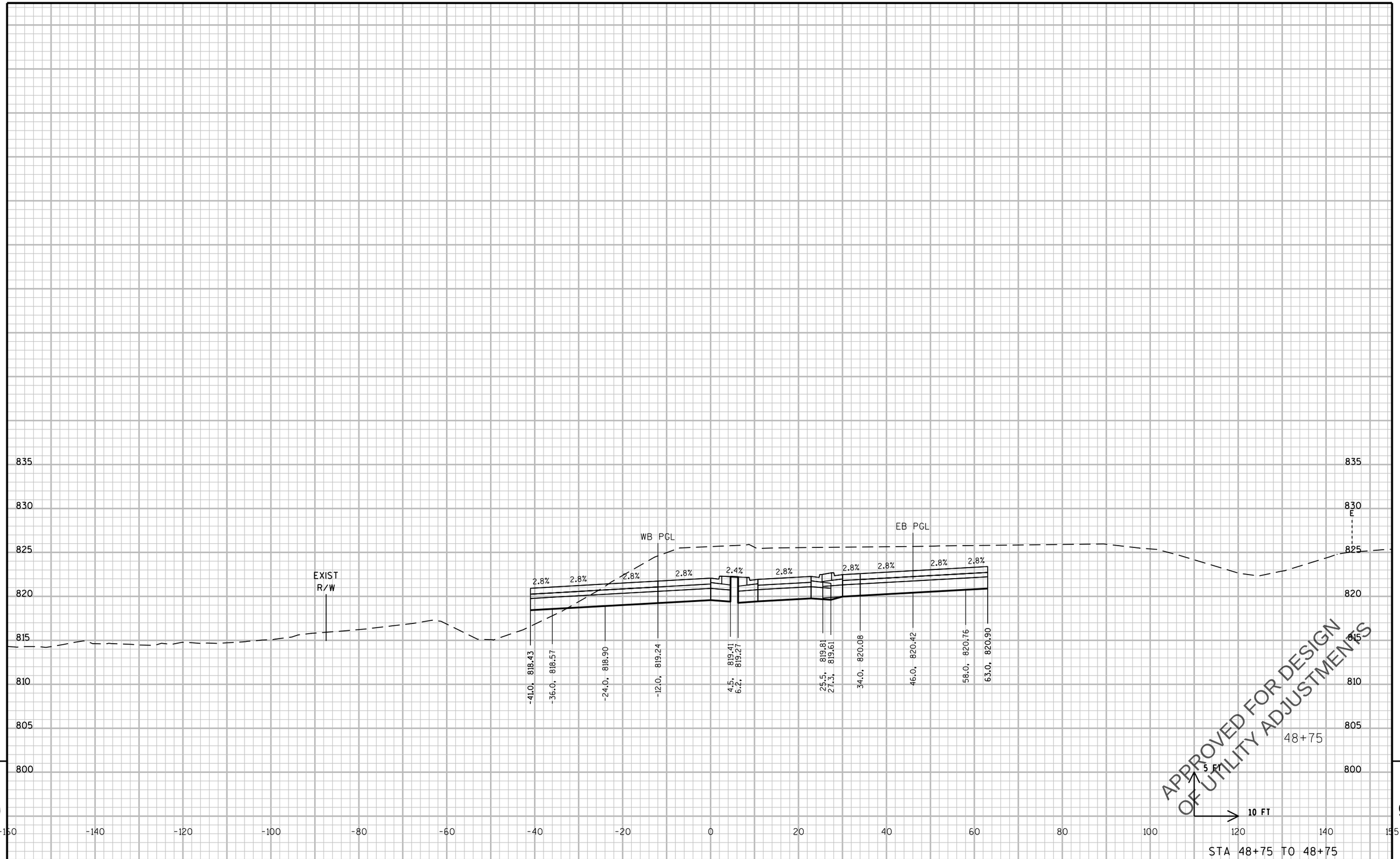


PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: GENESSE ROAD	SHEET	E

PRE_610

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090302_XS_GE.dgn PLOT DATE : 4/11/2016 10:40:58 AM PLOT BY : dbaumann PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



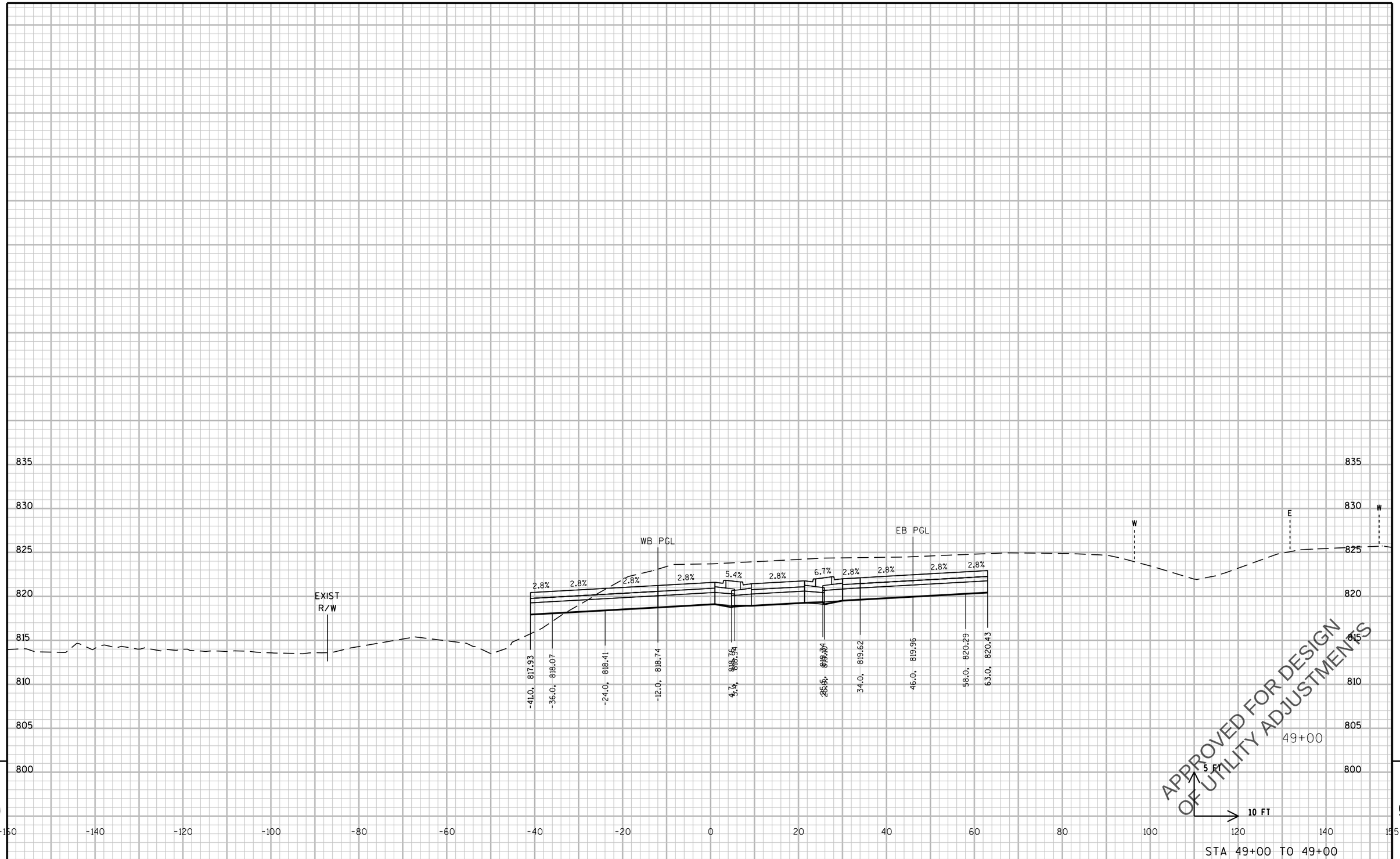
9 9

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: GENESSE ROAD	SHEET E

PRE_611

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090302_XS_GE.dgn PLOT DATE : 4/11/2016 10:40:59 AM PLOT BY : dbaumann PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



9

9

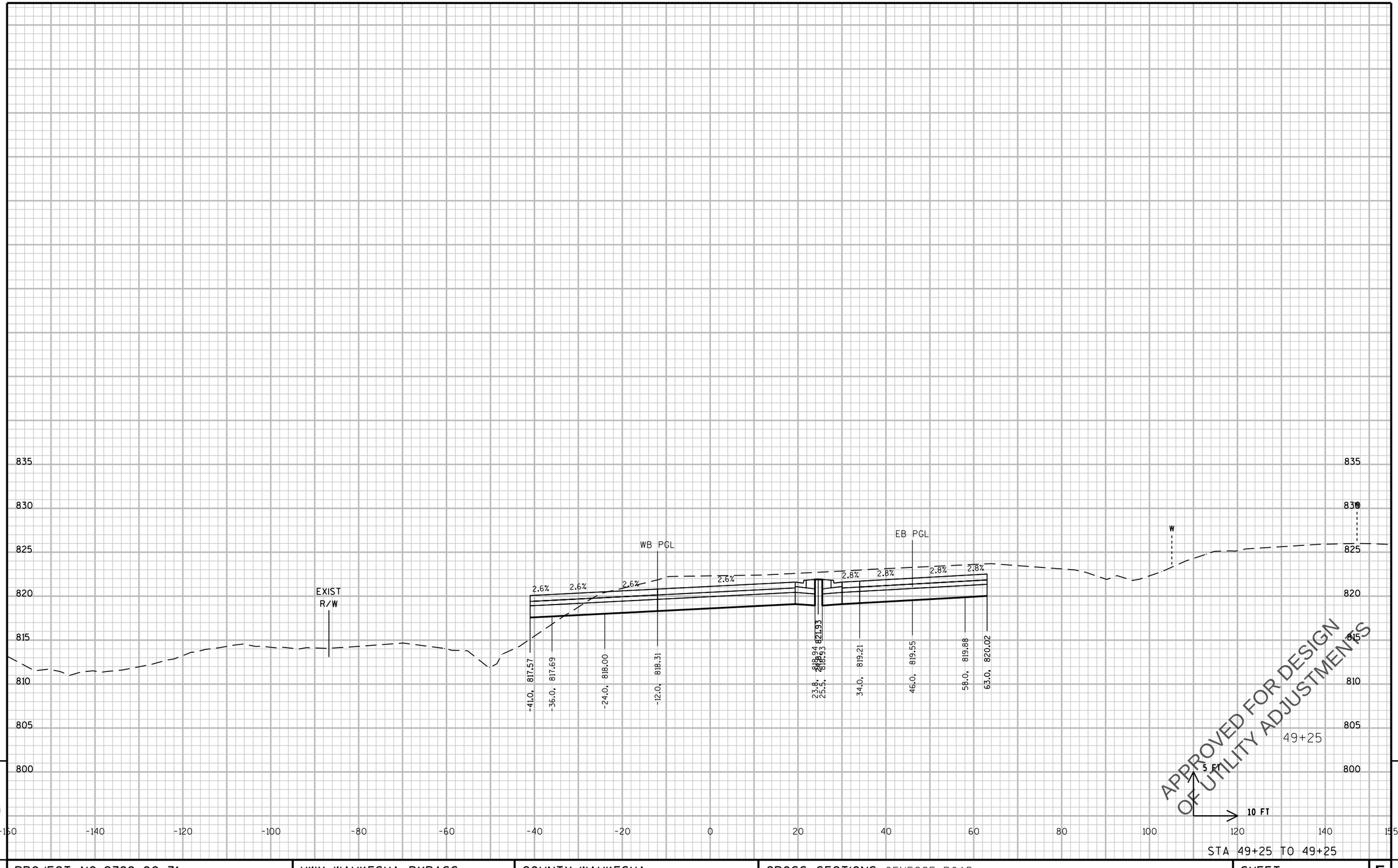
STA 49+00 TO 49+00

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: GENESSE ROAD	SHEET E

PRE_612

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090302_XS_GE.dgn PLOT DATE : 4/11/2016 10:40:59 AM PLOT BY : dbaumann PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



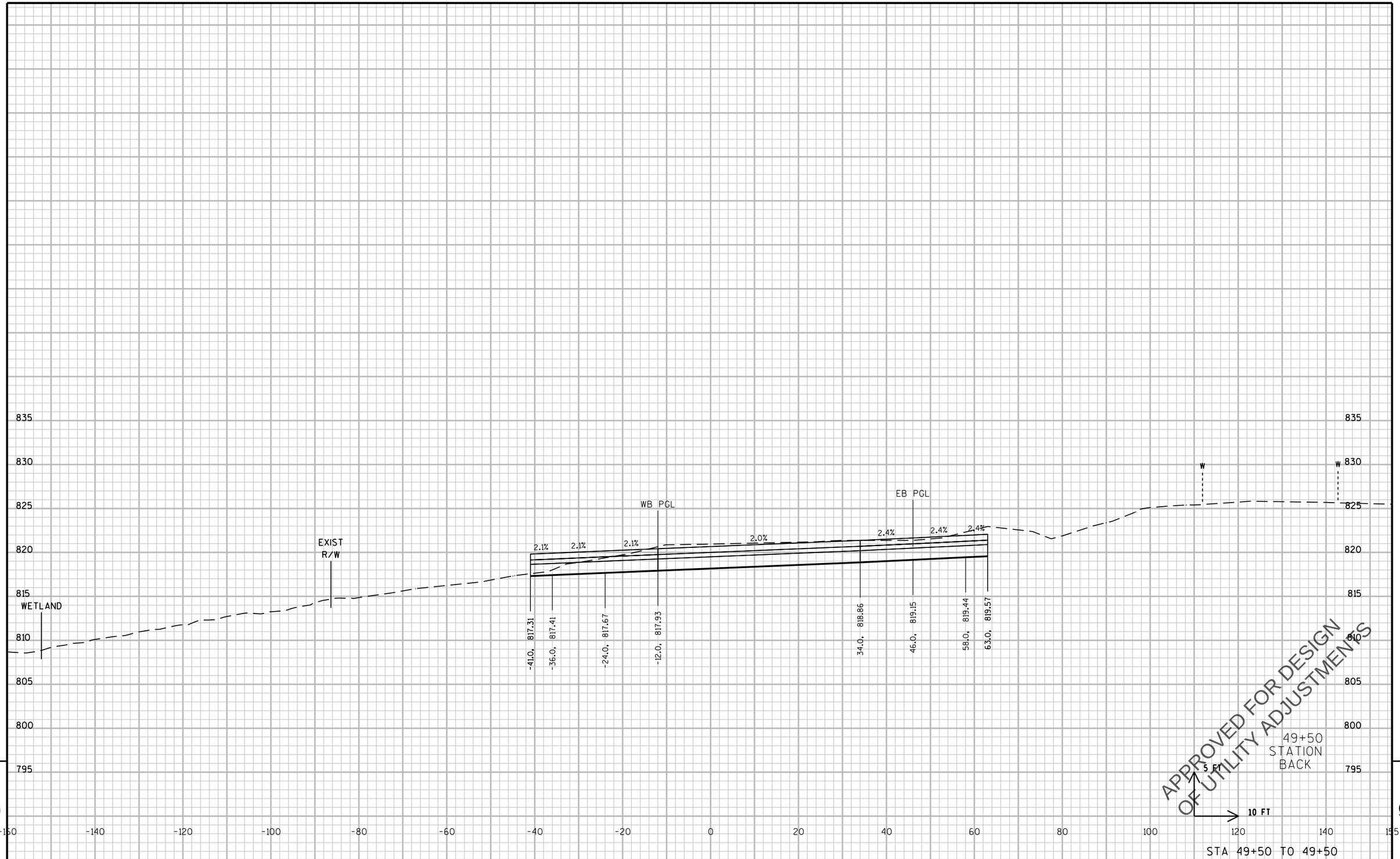
STA 49+25 TO 49+25

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: GENESSE ROAD	SHEET E

PRE_613

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090302_XS_GE.dgn PLOT DATE : 4/11/2016 10:41:00 AM PLOT BY : dbaumann PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



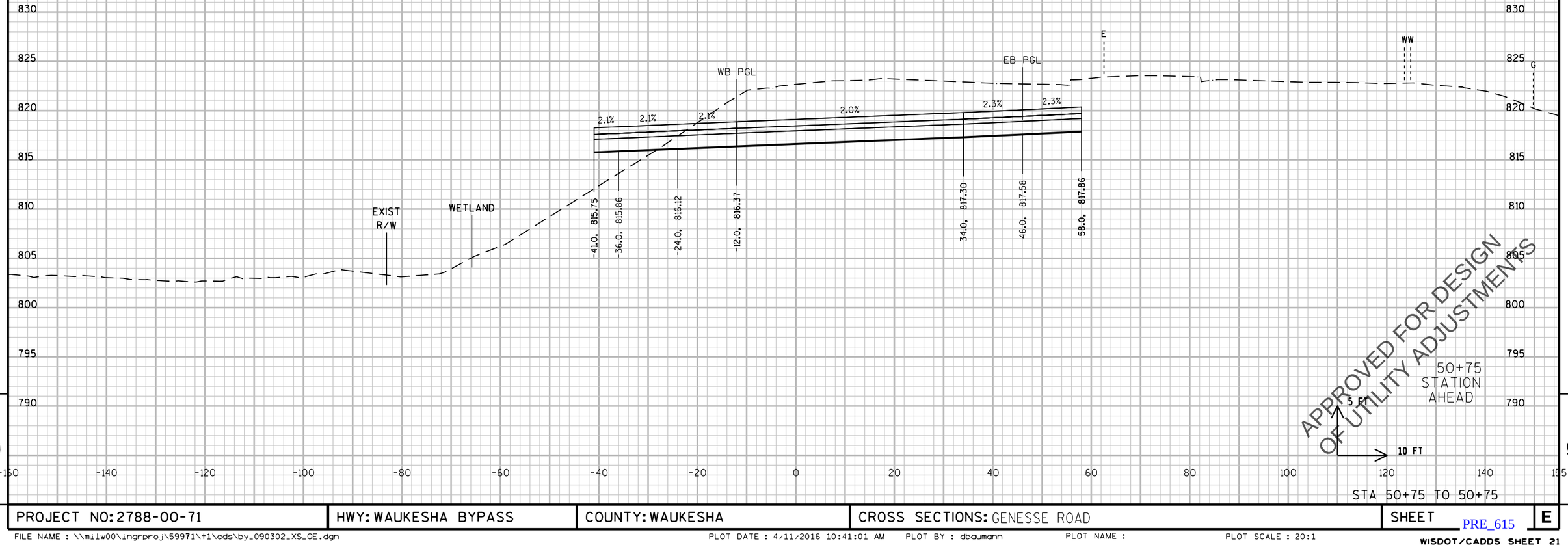
9 9

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: GENESSE ROAD	SHEET E

PRE_614

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090302_XS_GE.dgn PLOT DATE : 4/11/2016 10:41:00 AM PLOT BY : dbaumann PLOT NAME : PLOT SCALE : 20:1

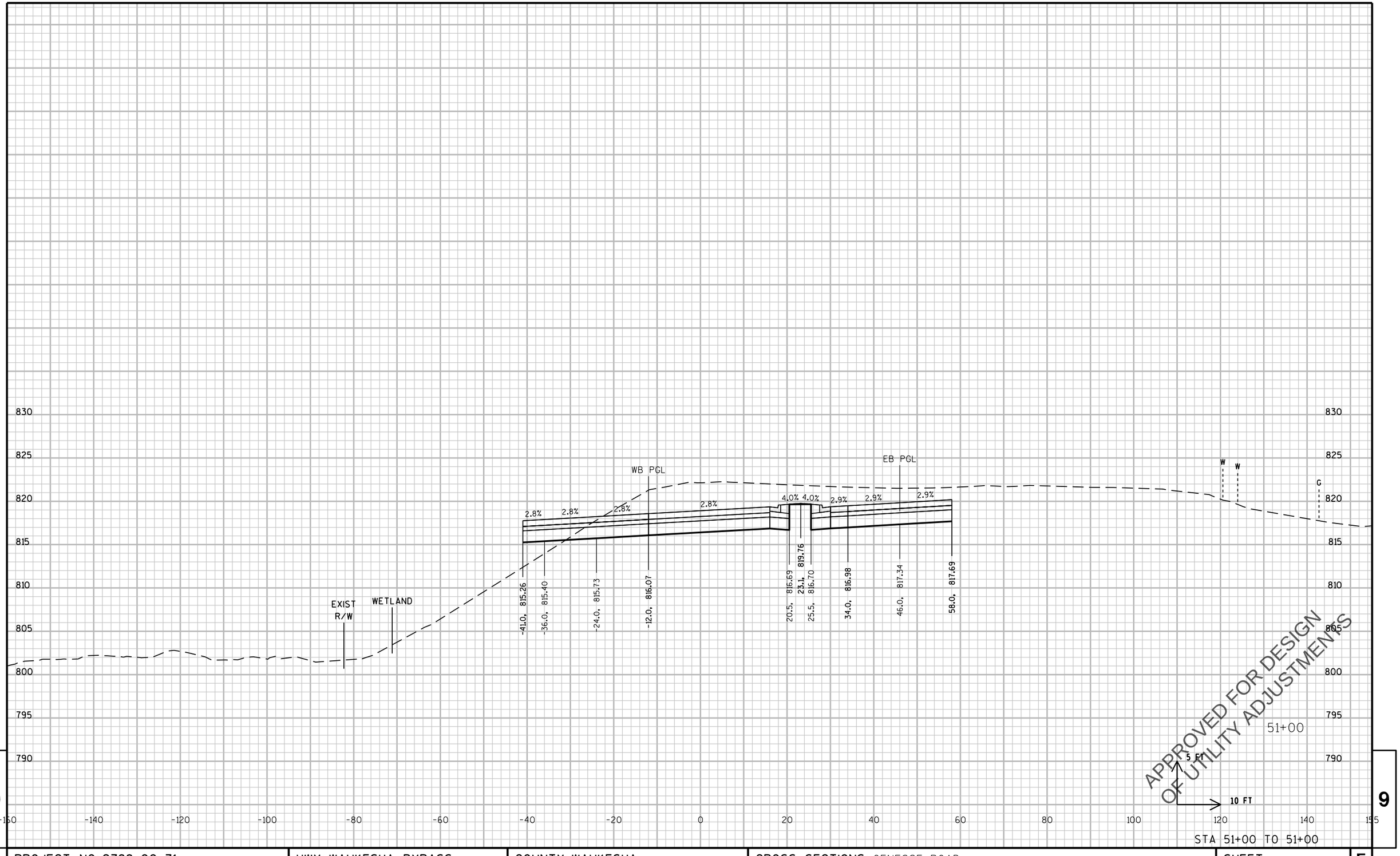
WISDOT/CADDS SHEET 21



9 9

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: GENESSE ROAD	SHEET E

PRE_615



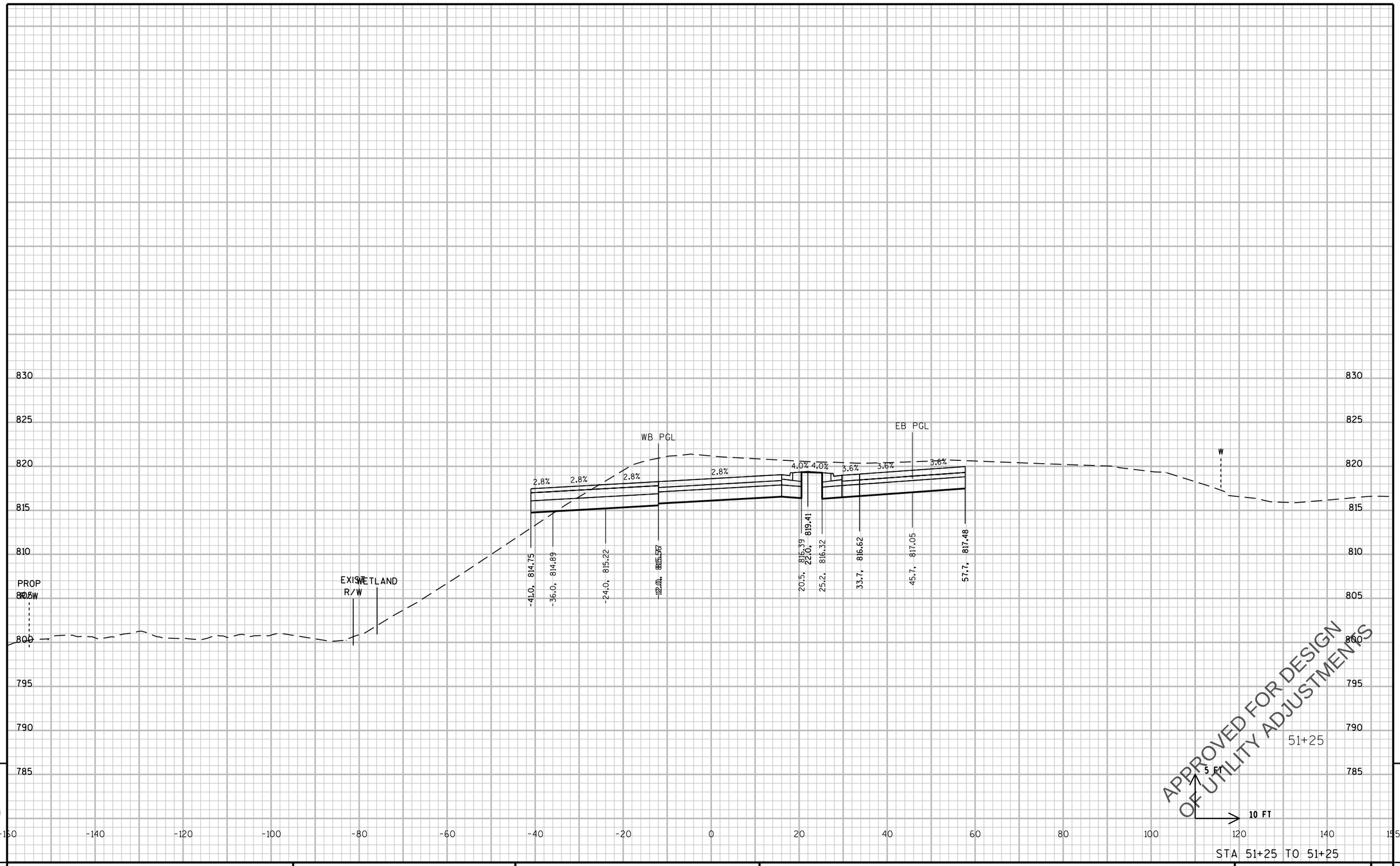
STA 51+00 TO 51+00

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: GENESSE ROAD	SHEET	E

PRE_616

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090302_XS_GE.dgn PLOT DATE : 4/11/2016 10:41:01 AM PLOT BY : dbaumann PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS

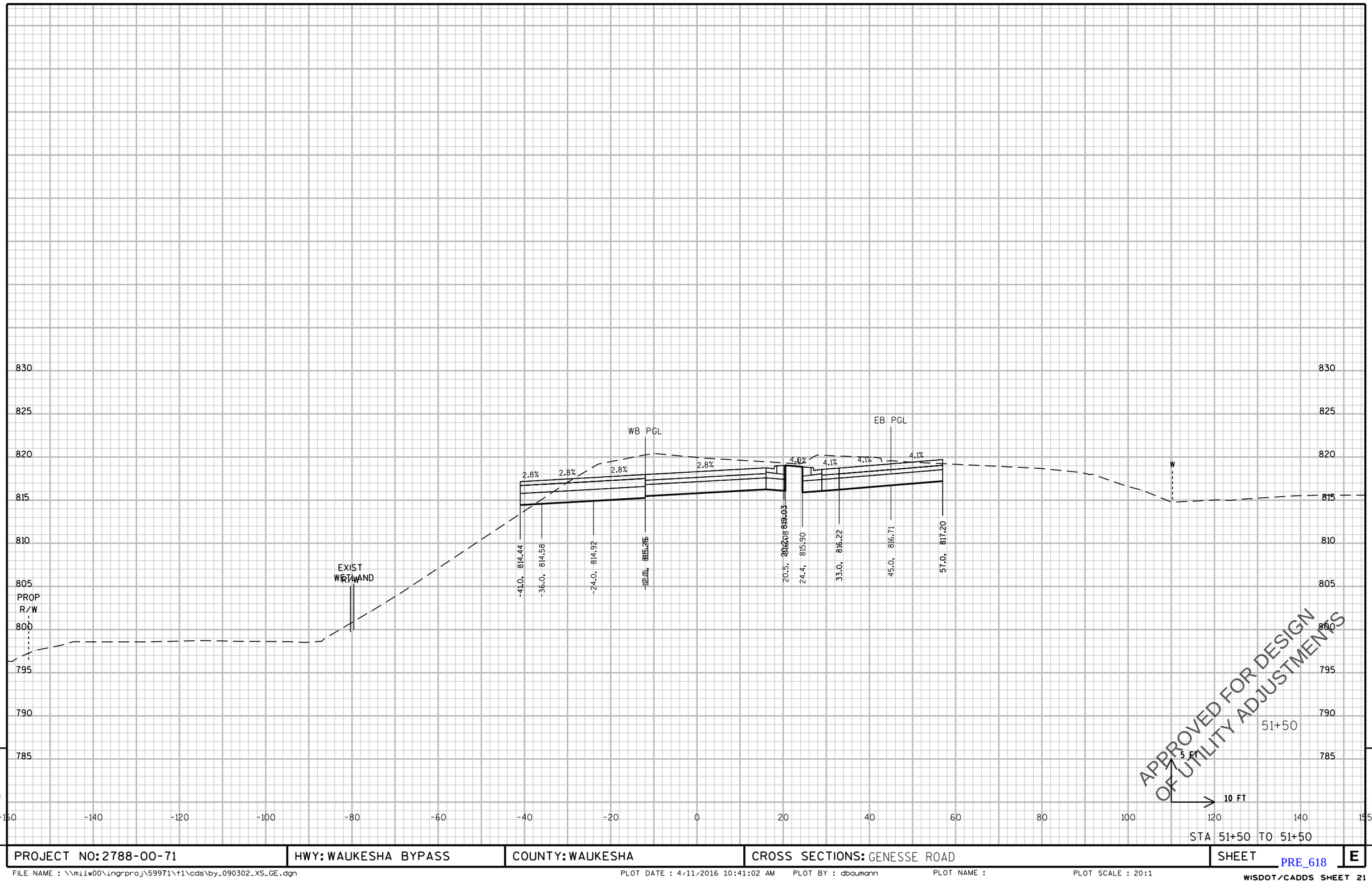
STA 51+25 TO 51+25

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: GENESSE ROAD	SHEET	E

PRE_617

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090302_XS_GE.dgn PLOT DATE : 4/11/2016 10:41:02 AM PLOT BY : dbaumann PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



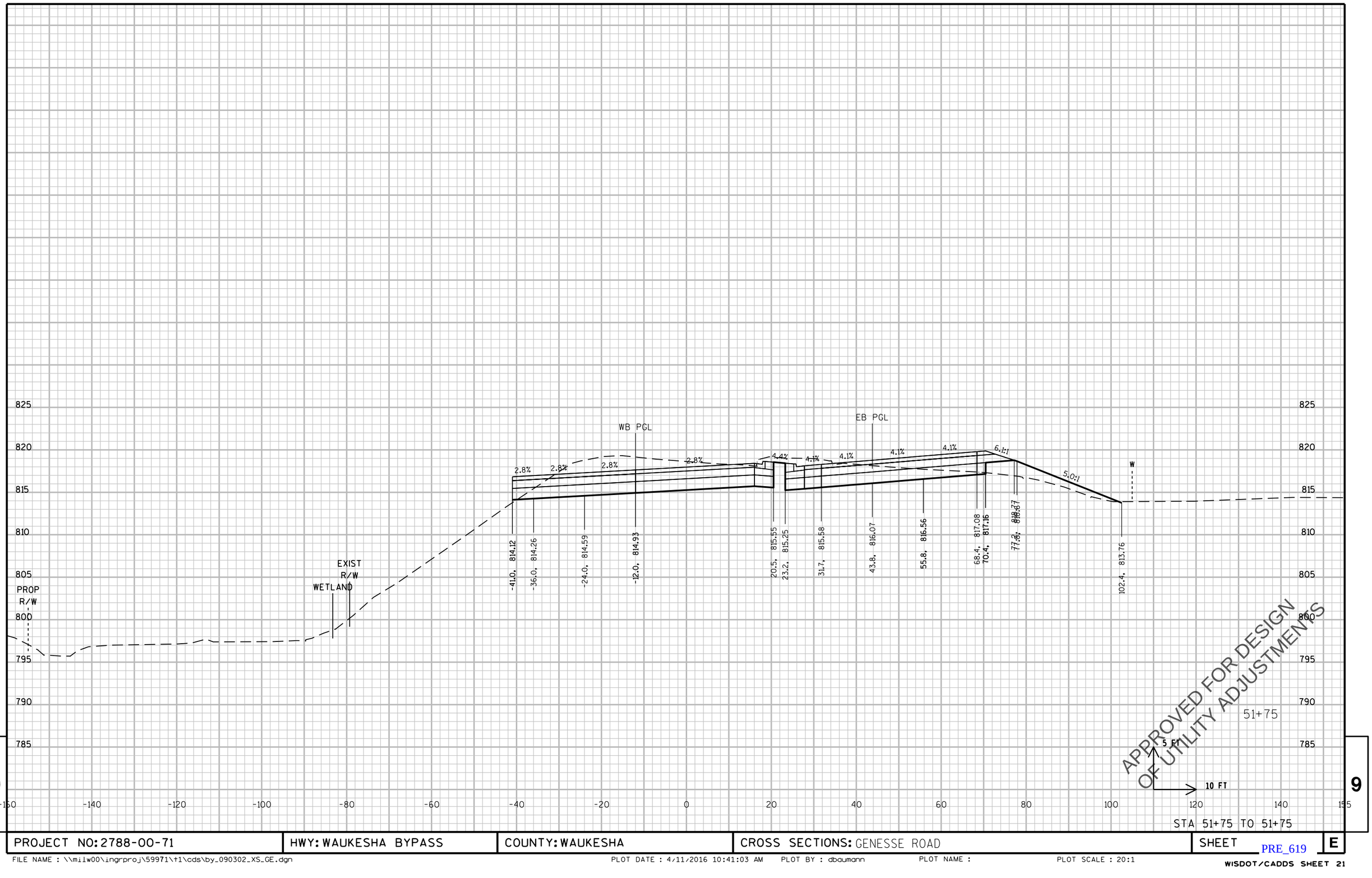
STA 51+50 TO 51+50

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: GENESSE ROAD	SHEET E

PRE_618

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090302_XS_GE.dgn PLOT DATE : 4/11/2016 10:41:02 AM PLOT BY : dbaumann PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

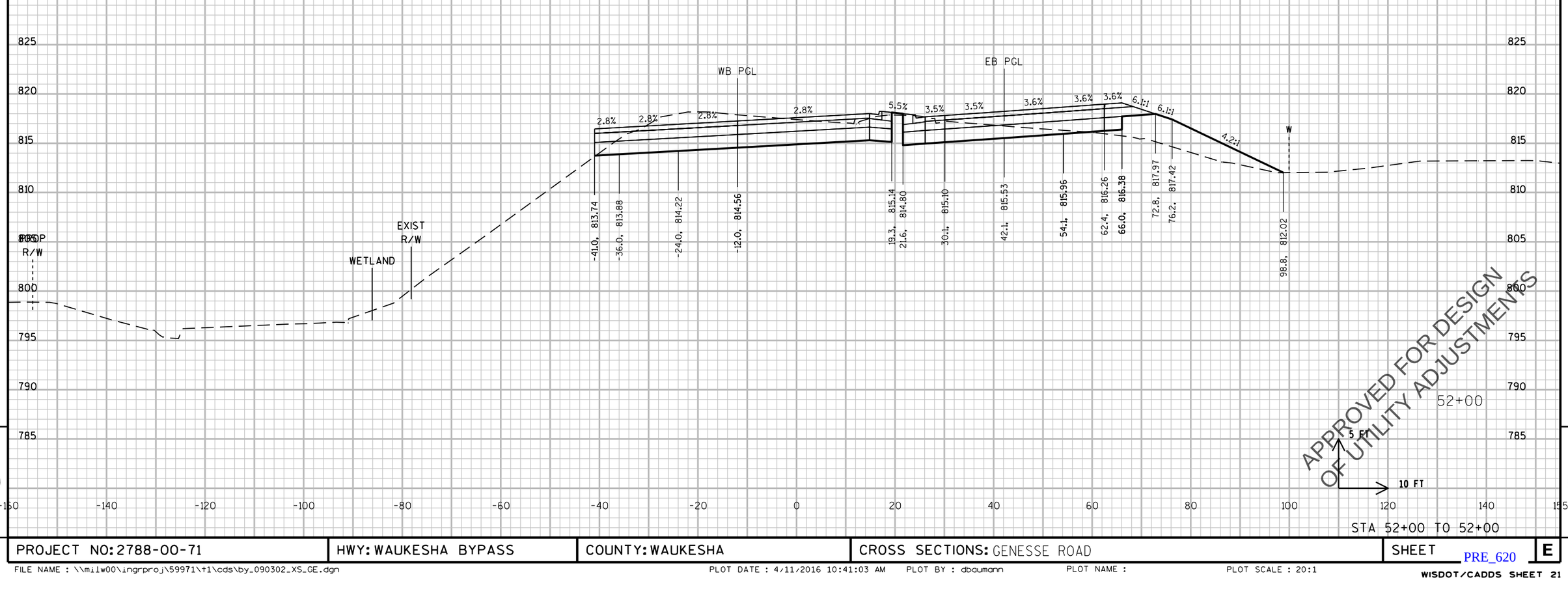


PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: GENESSE ROAD	SHEET E

PRE_619

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090302_XS_GE.dgn PLOT DATE : 4/11/2016 10:41:03 AM PLOT BY : dbaumann PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

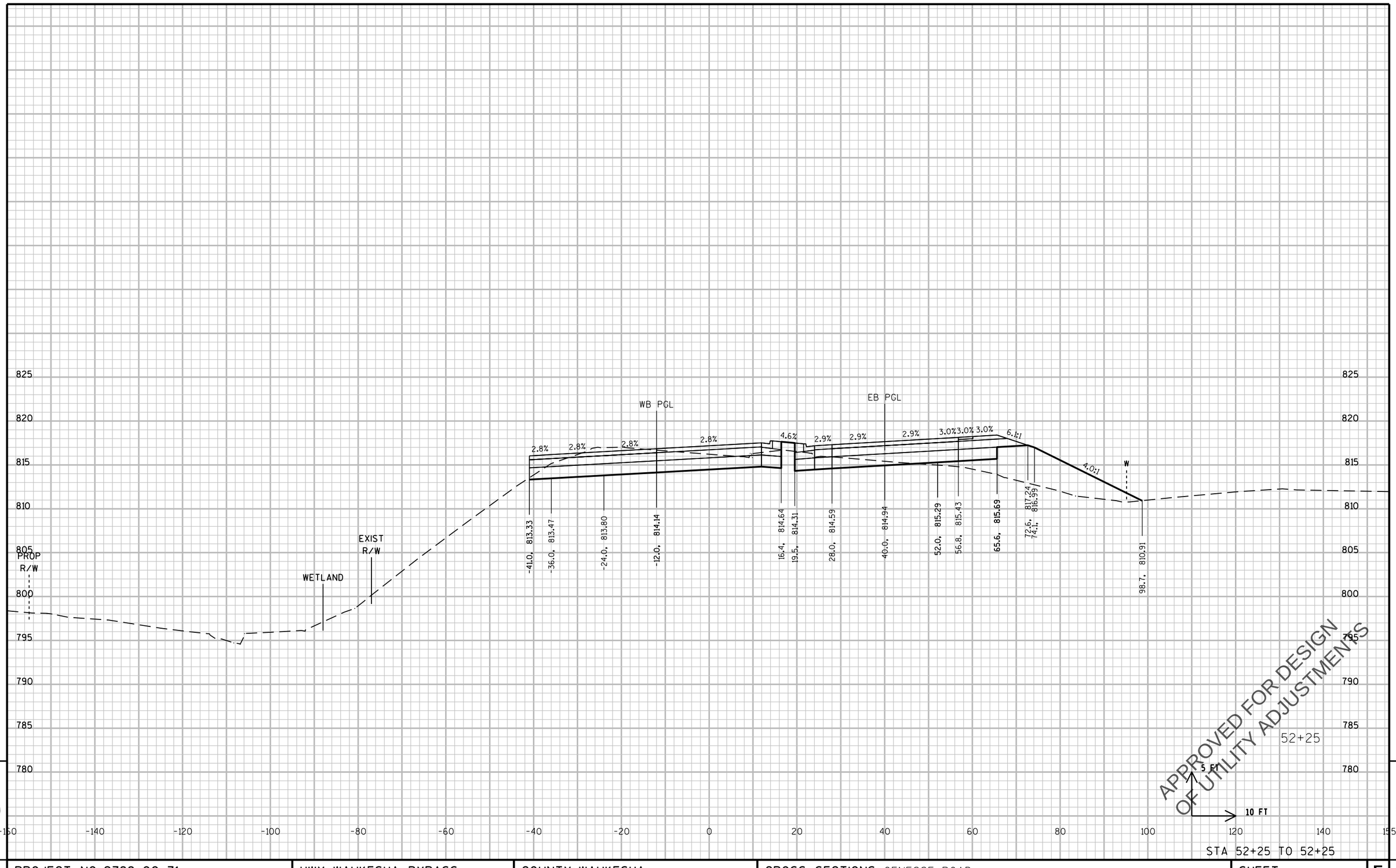


PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: GENESSE ROAD	SHEET E

PRE_620

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090302_XS_GE.dgn PLOT DATE : 4/11/2016 10:41:03 AM PLOT BY : dbaumann PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



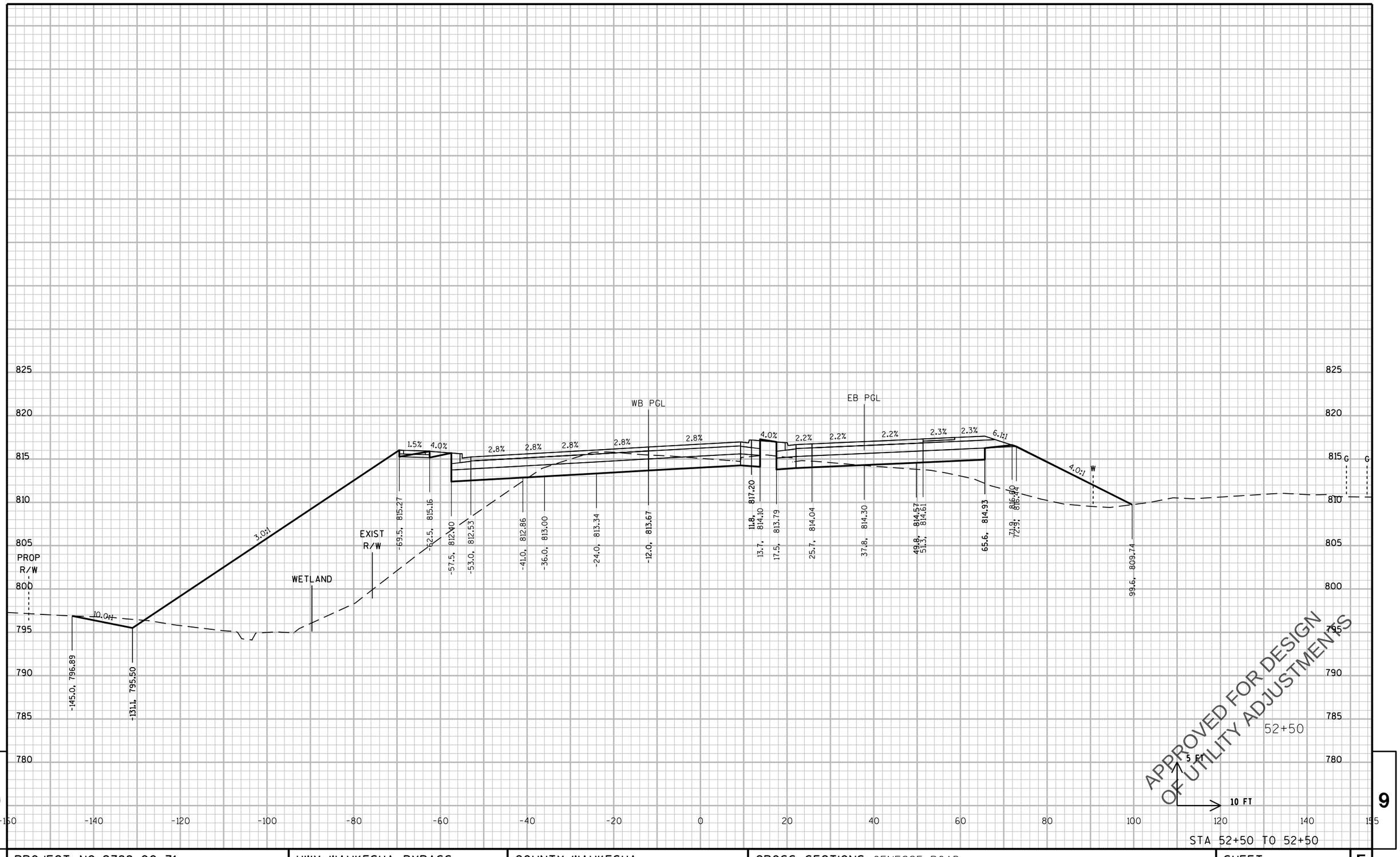
STA 52+25 TO 52+25

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: GENESSE ROAD	SHEET	E

PRE_621

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090302_XS_GE.dgn PLOT DATE : 4/11/2016 10:41:04 AM PLOT BY : dbaumann PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

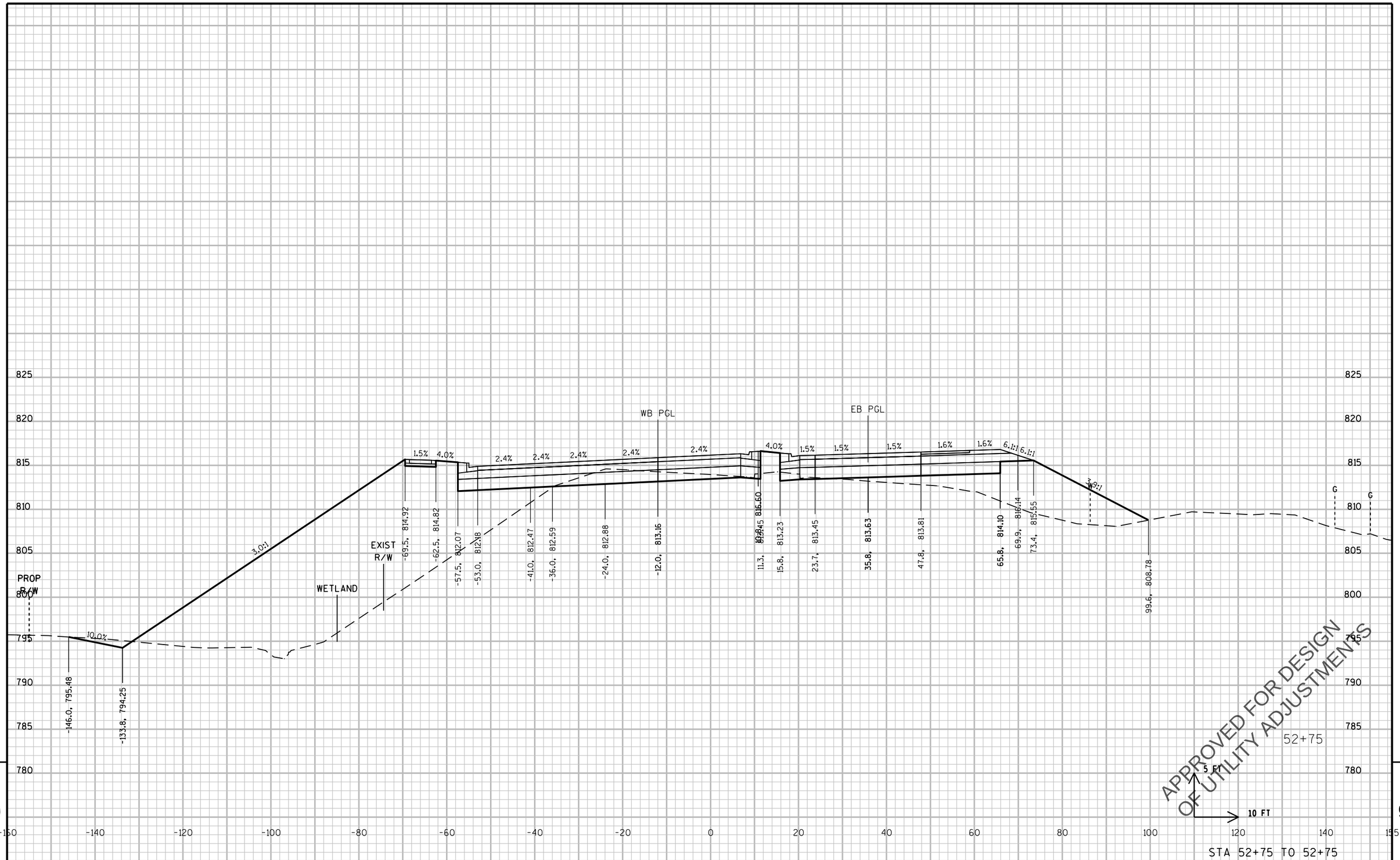


PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: GENESSE ROAD	SHEET E

PRE_622

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090302_XS_GE.dgn PLOT DATE : 4/11/2016 10:41:04 AM PLOT BY : dbaumann PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



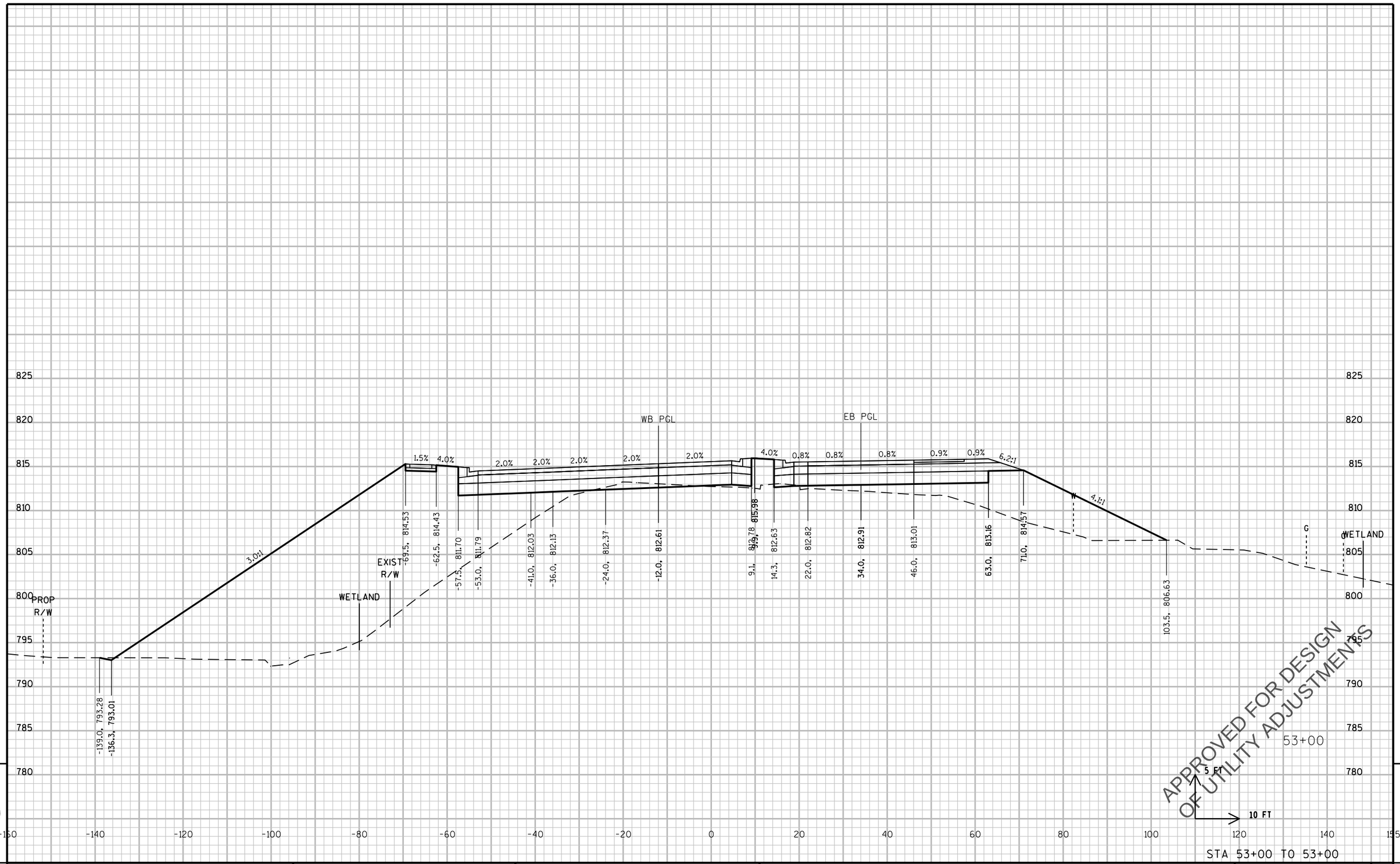
STA 52+75 TO 52+75

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: GENESSE ROAD	SHEET E

PRE_623

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090302_XS_GE.dgn PLOT DATE : 4/11/2016 10:41:05 AM PLOT BY : dbaumann PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

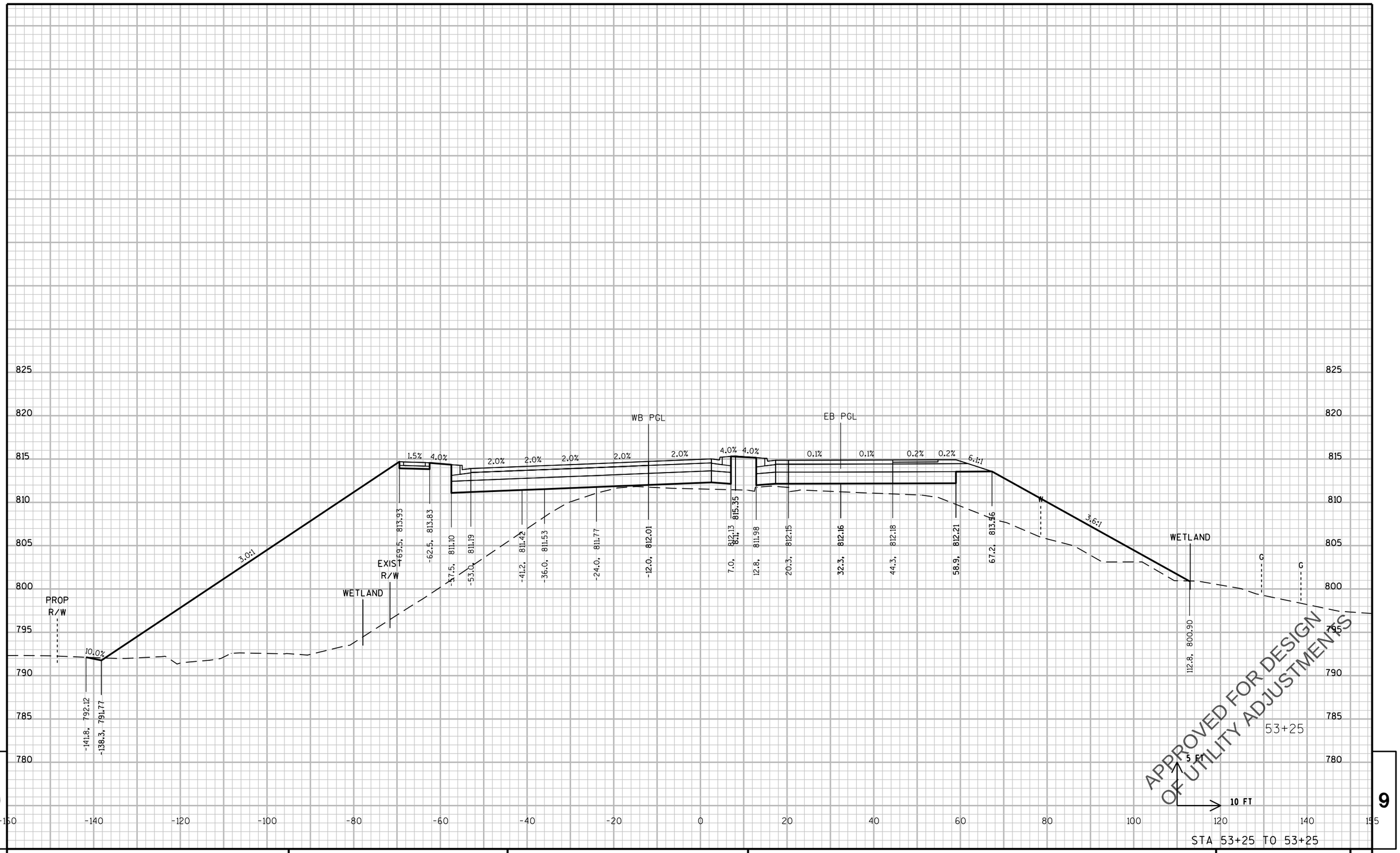


PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: GENESSE ROAD	SHEET E

PRE_624

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090302_XS_GE.dgn PLOT DATE : 4/11/2016 10:41:05 AM PLOT BY : dbaumann PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



9

STA 53+25 TO 53+25

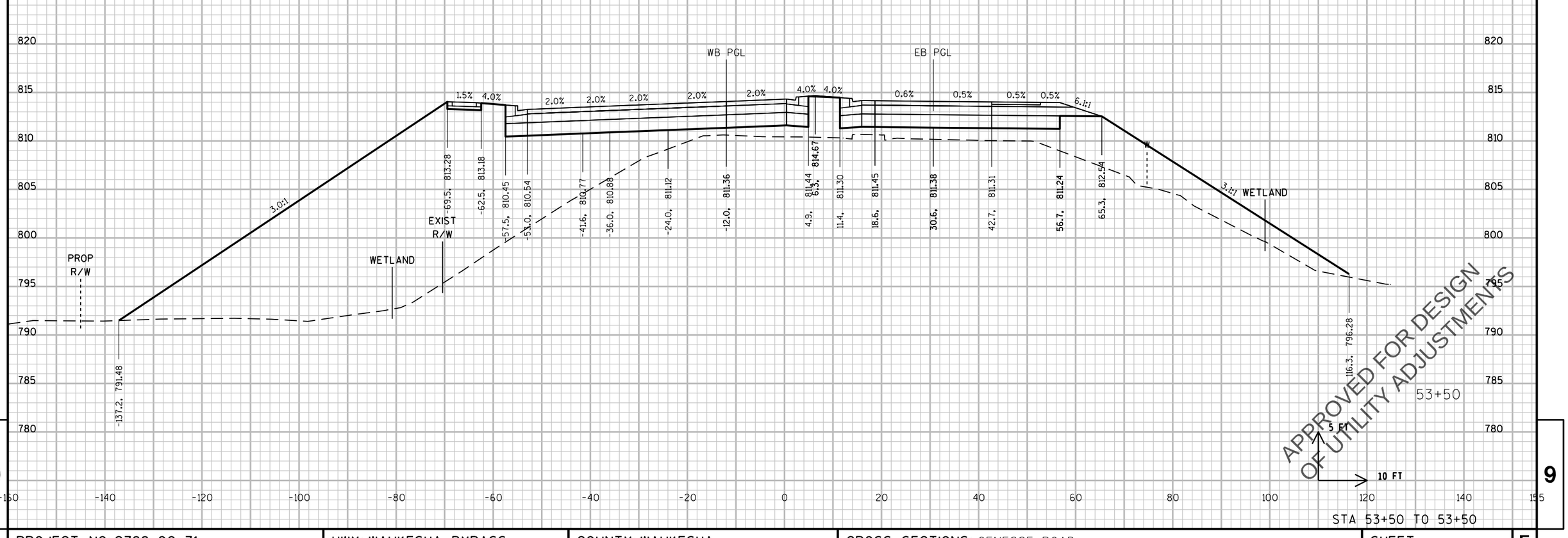
9

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: GENESSE ROAD	SHEET	E

PRE_625

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090302_XS_GE.dgn PLOT DATE : 4/11/2016 10:41:06 AM PLOT BY : dbaumann PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



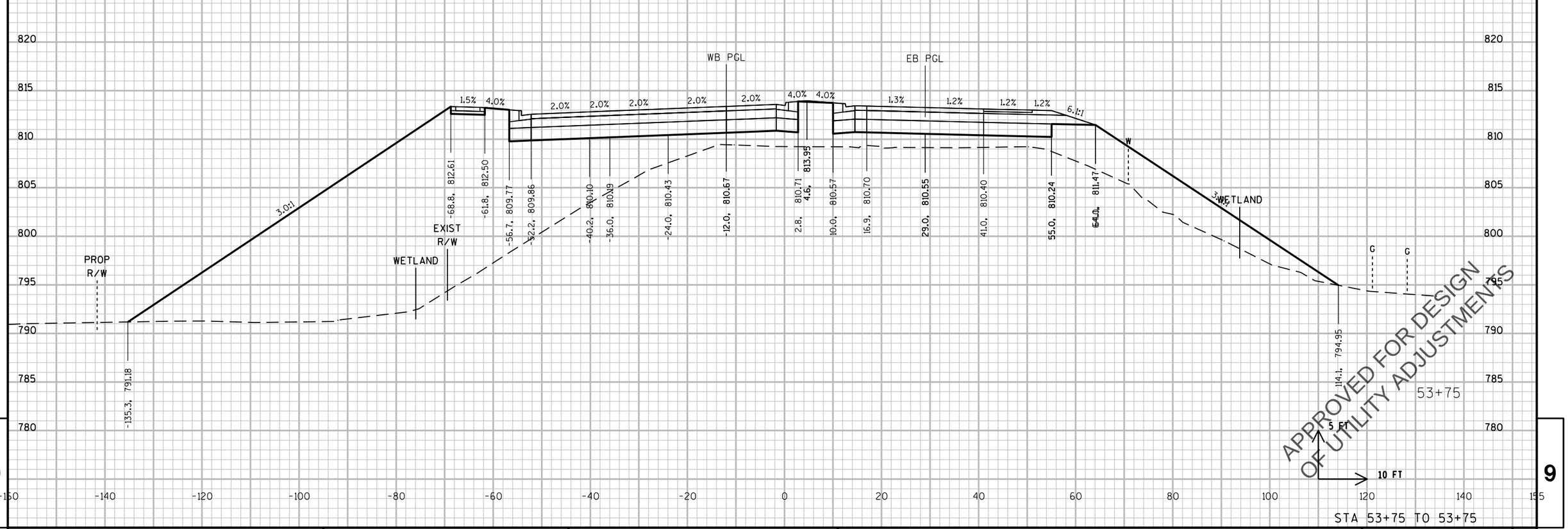
STA 53+50 TO 53+50

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: GENESSE ROAD	SHEET E

PRE_626

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090302_XS_GE.dgn PLOT DATE : 4/11/2016 10:41:07 AM PLOT BY : dbaumann PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



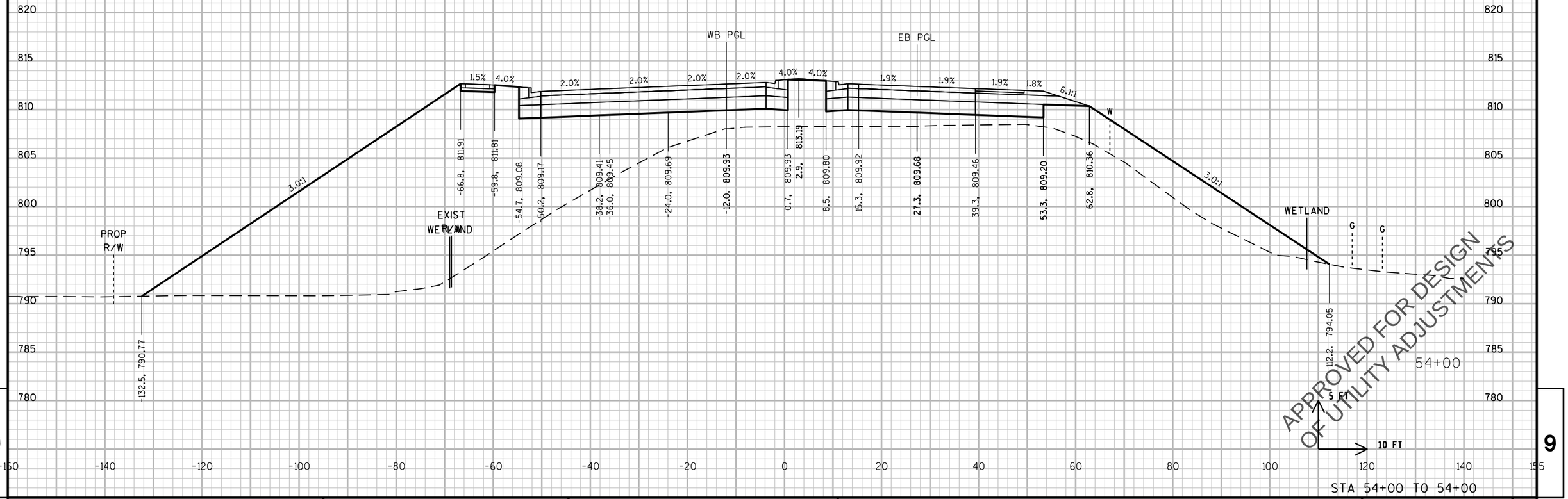
9

9

STA 53+75 TO 53+75

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: GENESSE ROAD	SHEET E

PRE_627



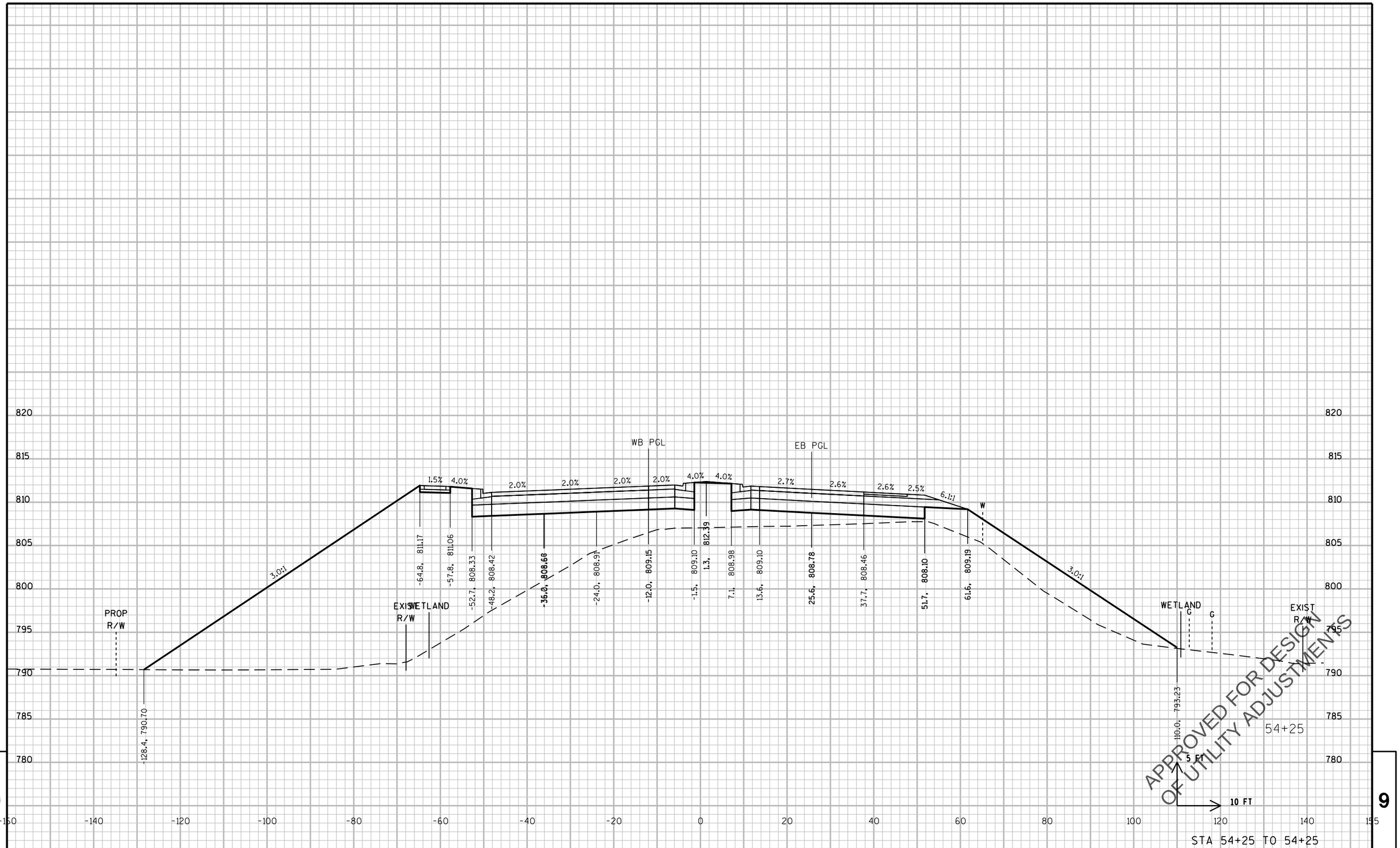
STA 54+00 TO 54+00

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: GENESSE ROAD	SHEET E

PRE_628

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090302_XS_GE.dgn PLOT DATE : 4/11/2016 10:41:08 AM PLOT BY : dbaumann PLOT NAME : PLOT SCALE : 20:1

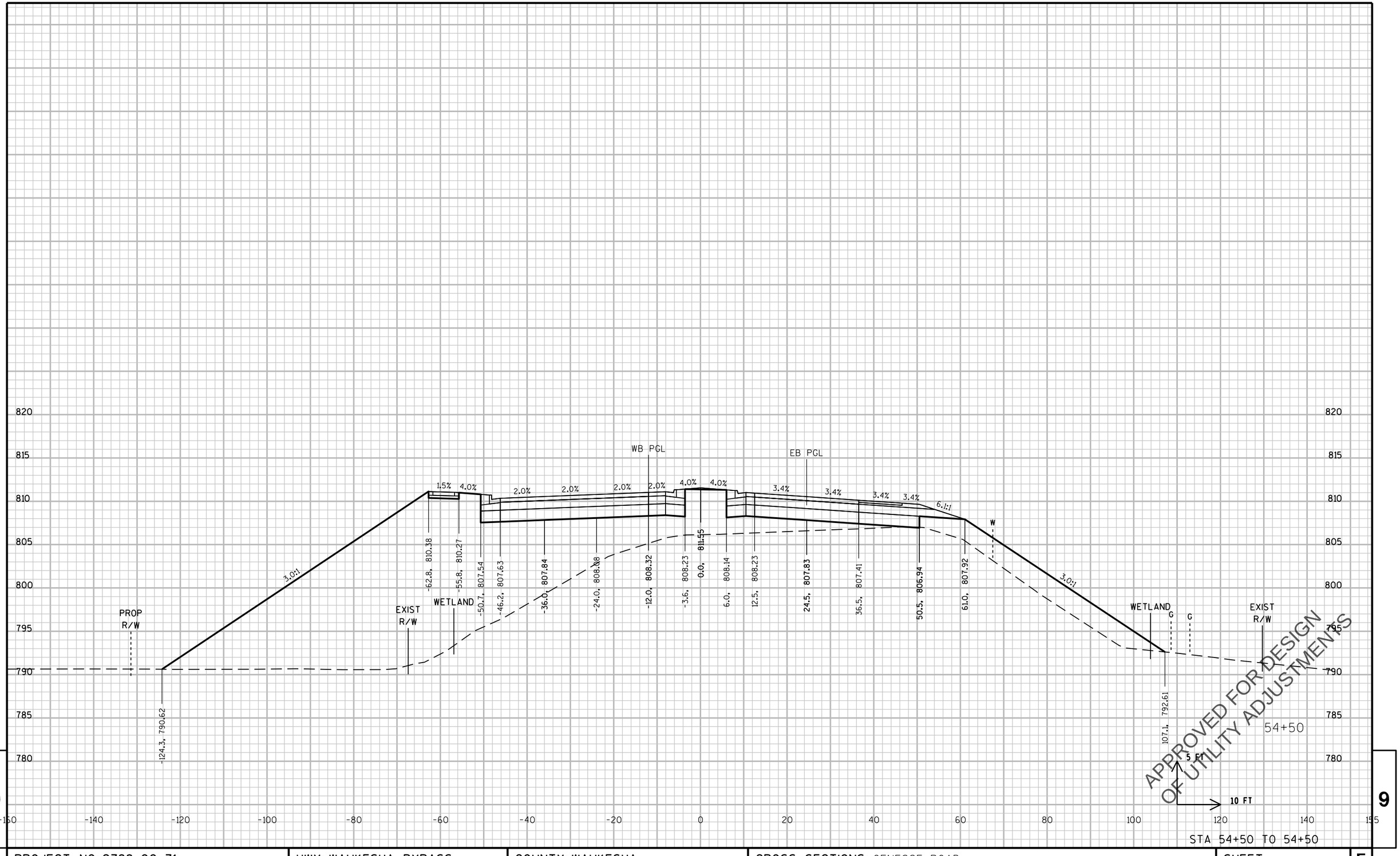
WISDOT/CADDS SHEET 21



STA 54+25 TO 54+25

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: GENESSE ROAD	SHEET E

PRE_629



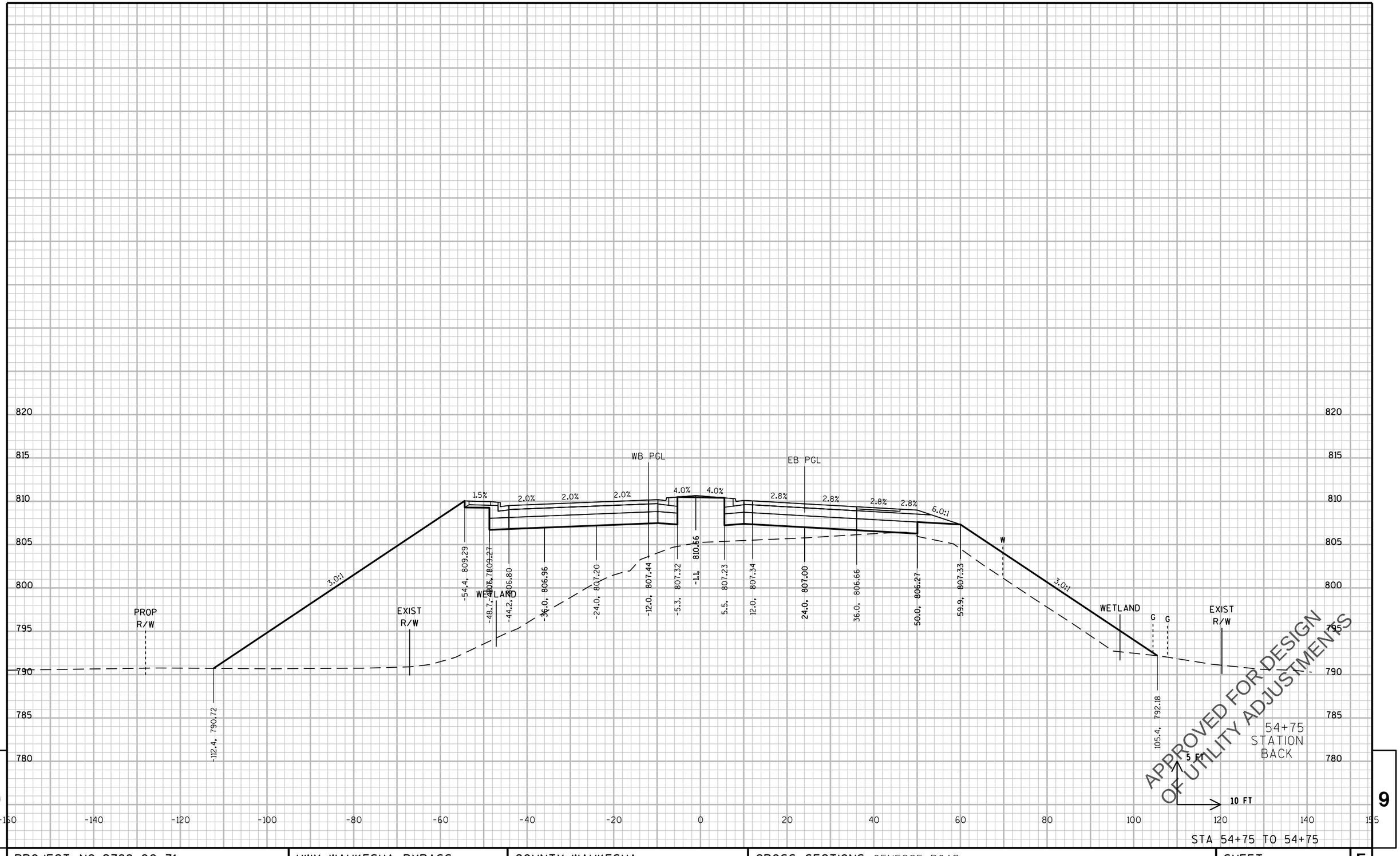
STA 54+50 TO 54+50

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: GENESSE ROAD	SHEET E

PRE_630

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090302_XS_GE.dgn PLOT DATE : 4/11/2016 10:41:09 AM PLOT BY : dbaumann PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



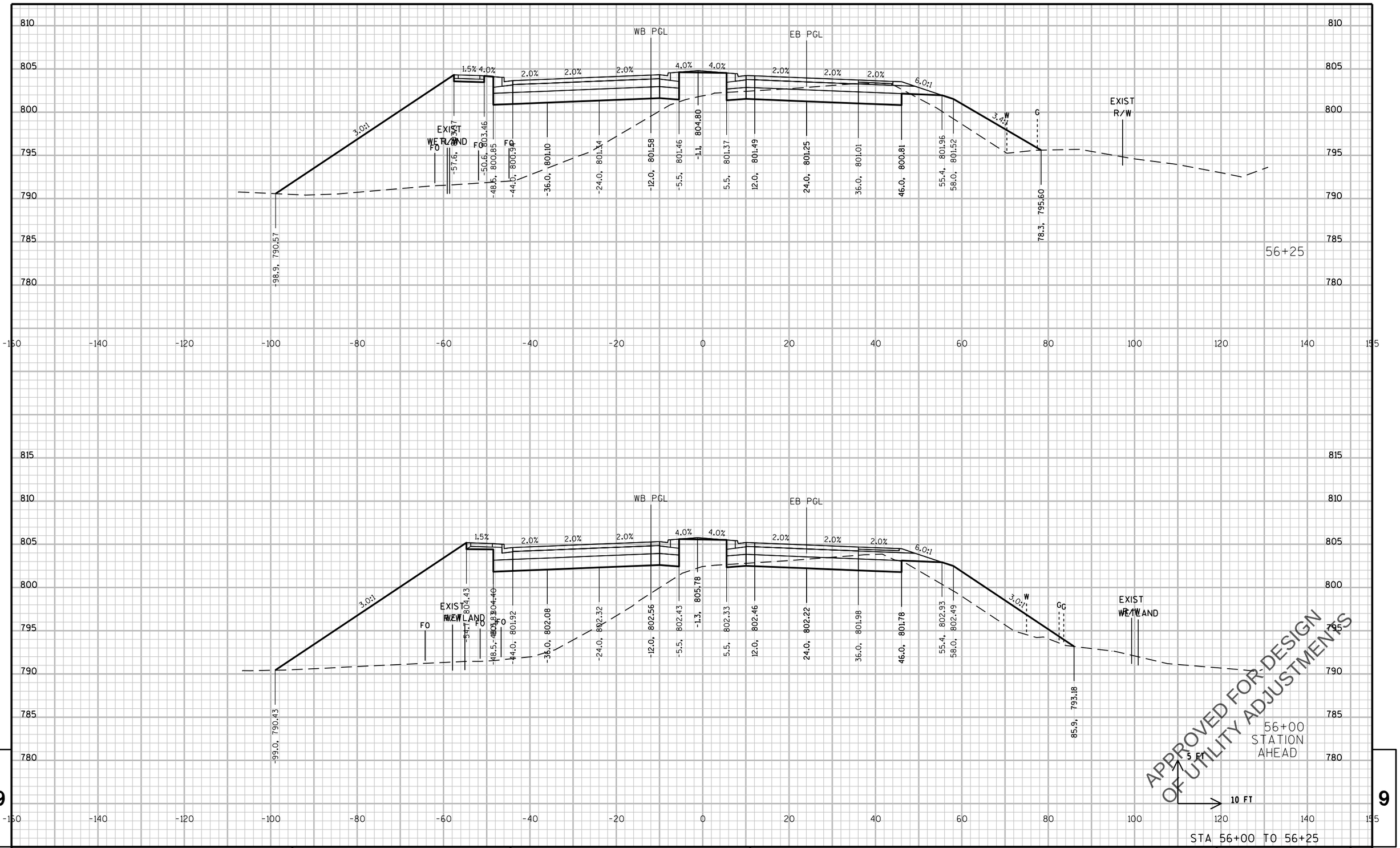
STA 54+75 TO 54+75

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: GENESSE ROAD	SHEET E

PRE_631

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090302_XS_GE.dgn PLOT DATE : 4/11/2016 10:41:09 AM PLOT BY : dbaumann PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

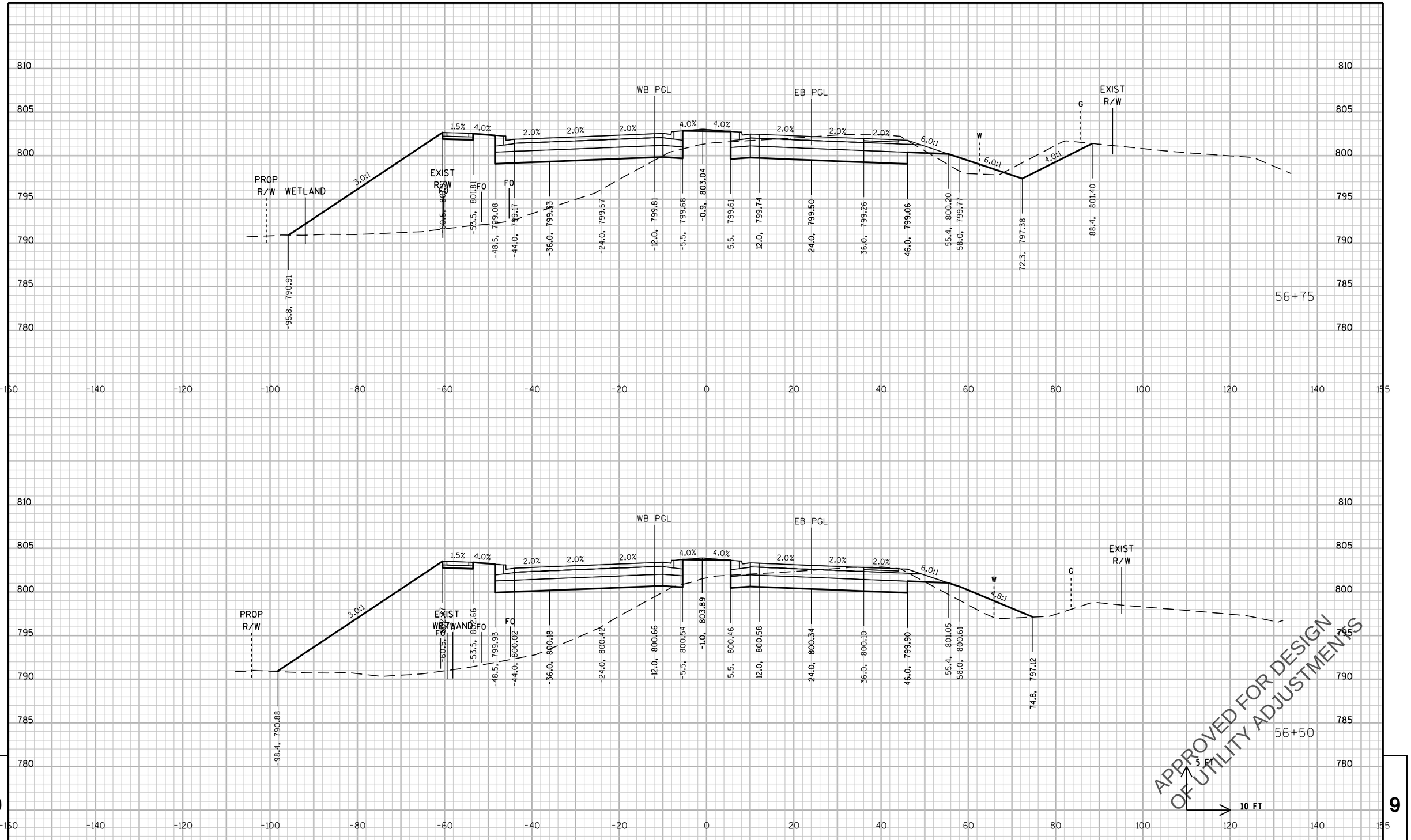


PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: GENESSE ROAD	SHEET	E

PRE_632

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090302_XS_GE.dgn PLOT DATE : 4/11/2016 10:41:10 AM PLOT BY : dbaumann PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



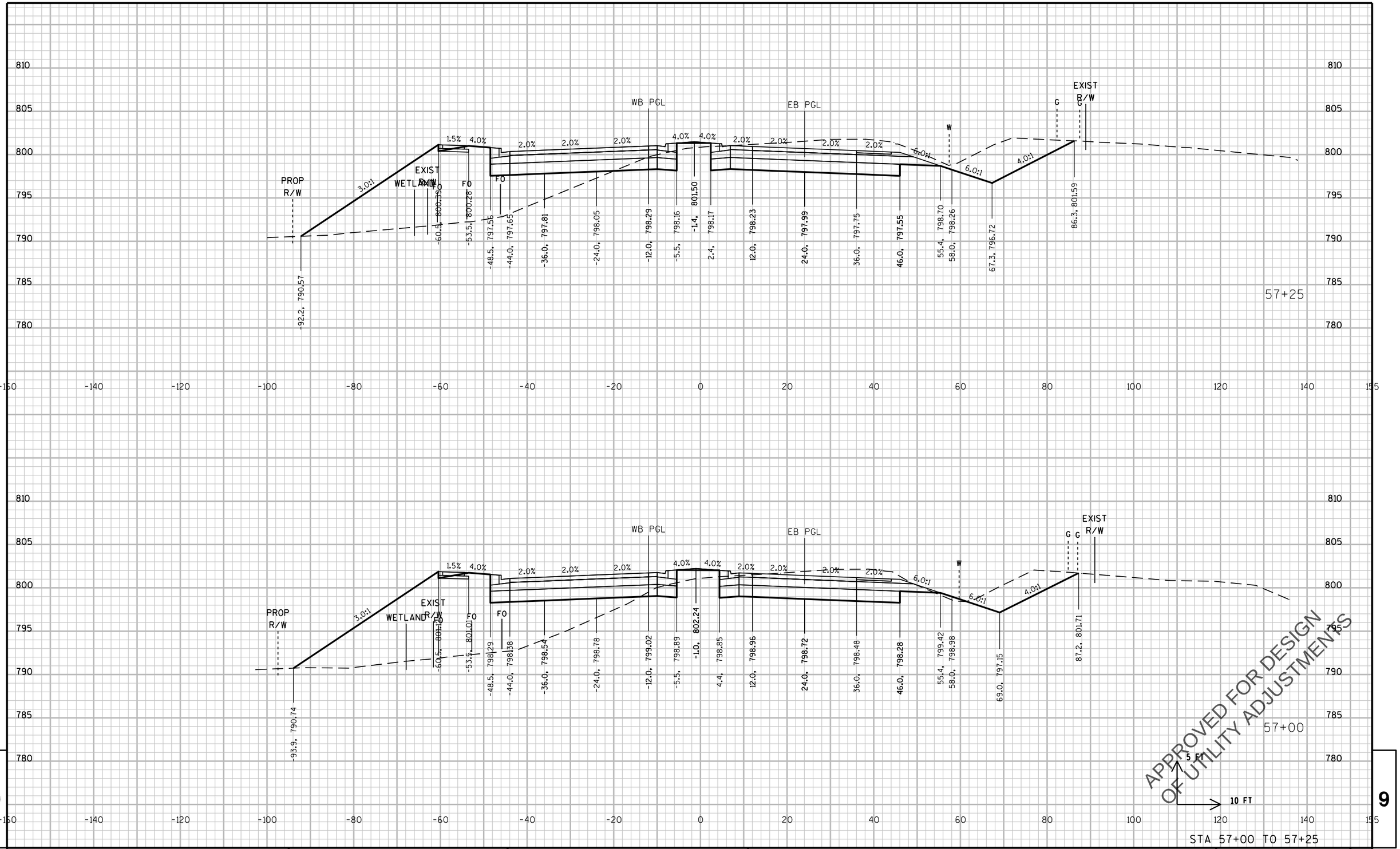
STA 56+50 TO 56+75

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: GENESSE ROAD	SHEET	E

PRE_633

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090302_XS_GE.dgn PLOT DATE : 4/11/2016 10:41:10 AM PLOT BY : dbaumann PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

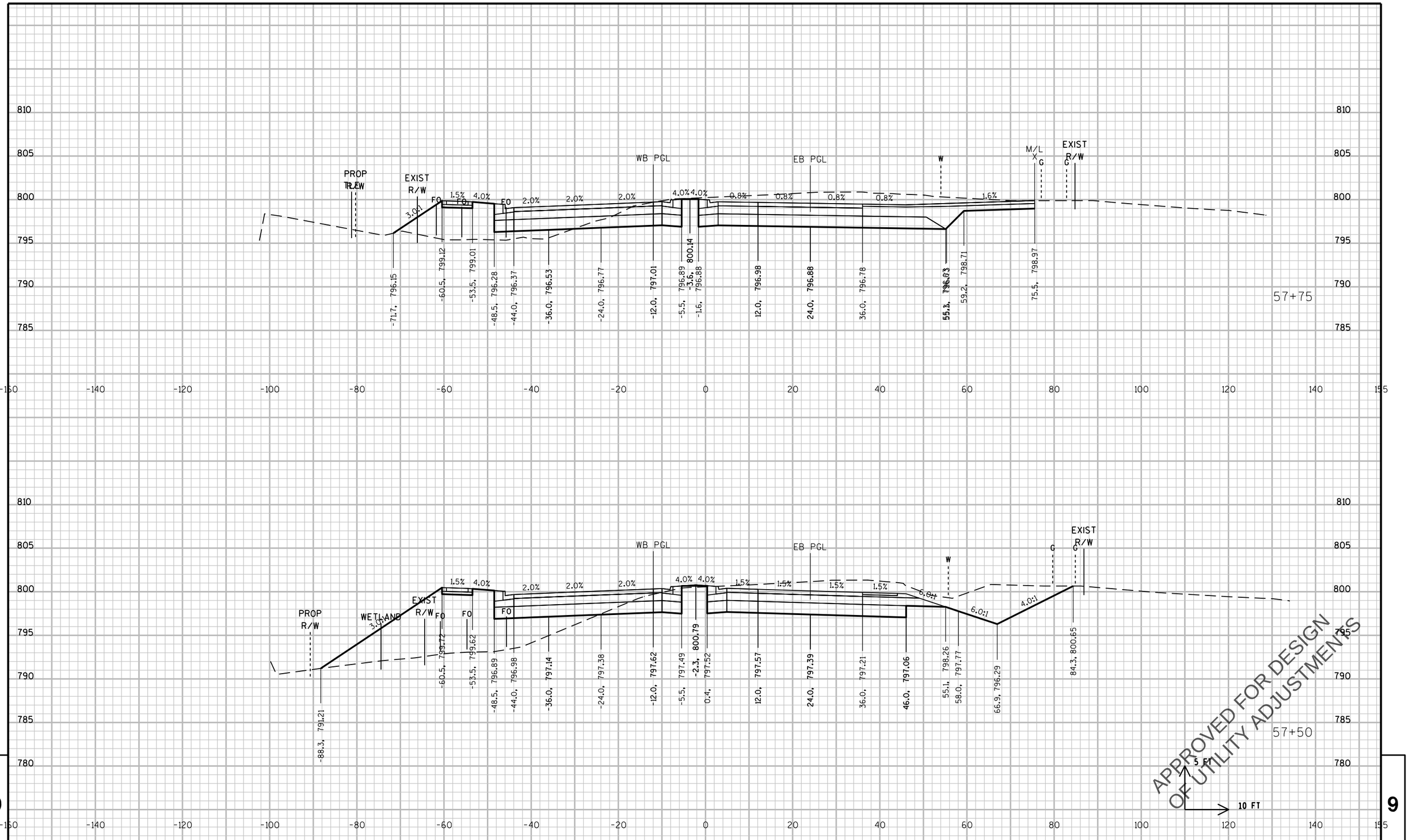


PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: GENESSE ROAD	SHEET	E

PRE_634

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090302_XS_GE.dgn PLOT DATE : 4/11/2016 10:41:11 AM PLOT BY : dbaumann PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

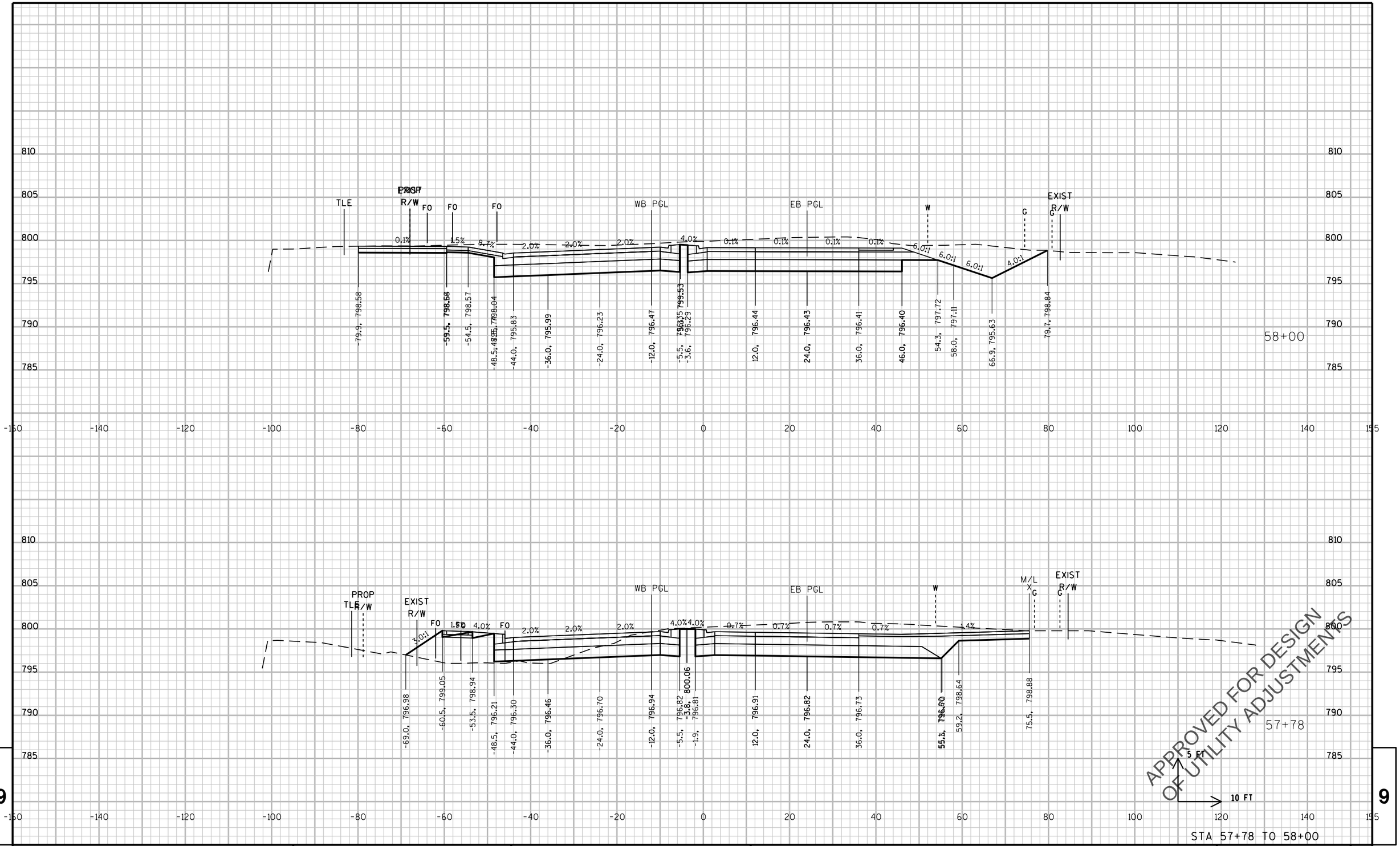


PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: GENESSE ROAD	SHEET E

PRE_635

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090302_XS_GE.dgn PLOT DATE : 4/11/2016 10:41:11 AM PLOT BY : dbaumann PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: GENESSE ROAD	SHEET	E

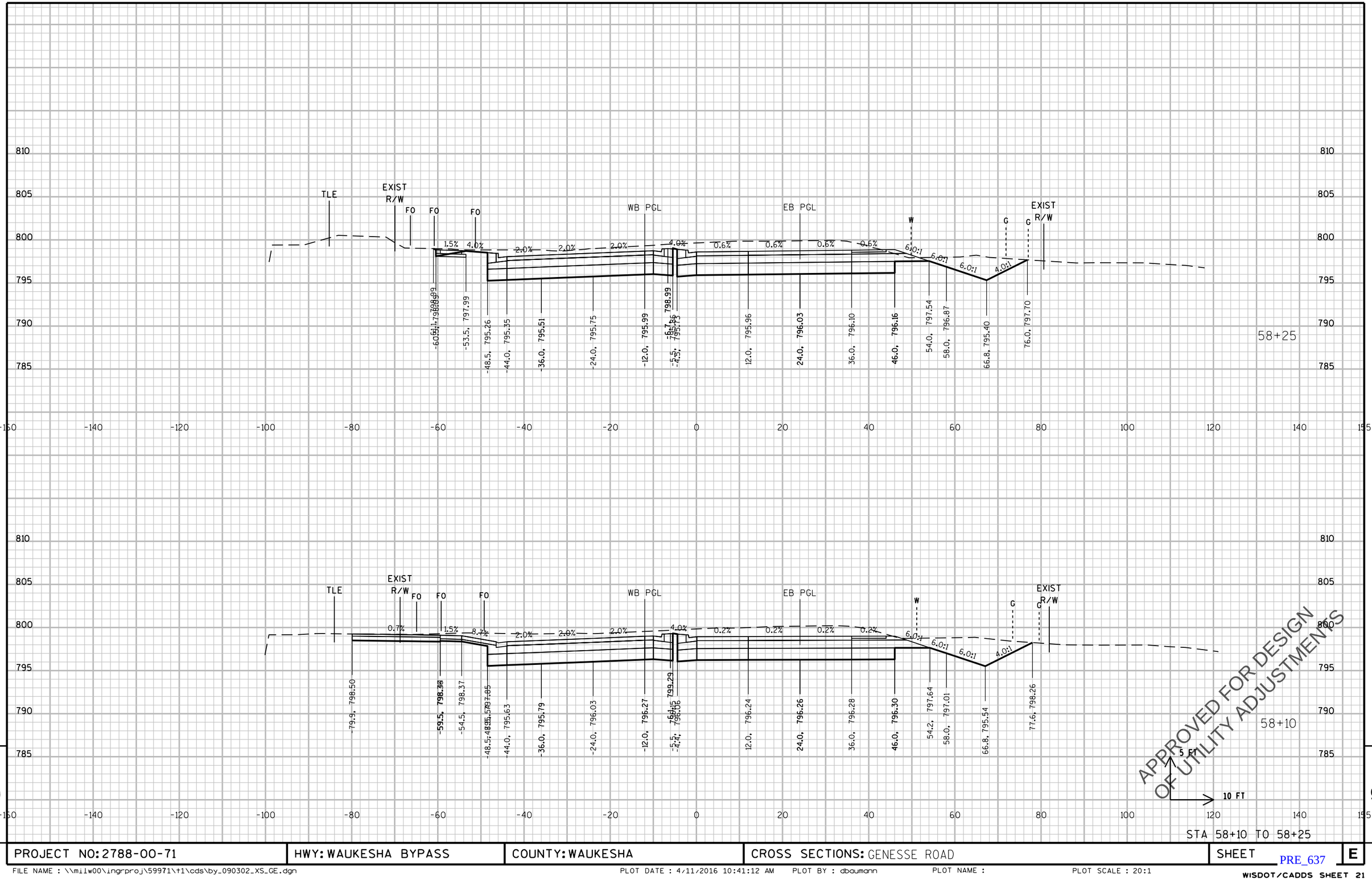
FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090302_XS_GE.dgn PLOT DATE : 4/11/2016 10:41:12 AM PLOT BY : dbaumann PLOT NAME : PLOT SCALE : 20:1

PRE_636

WISDOT/CADDS SHEET 21

9

9



9

9

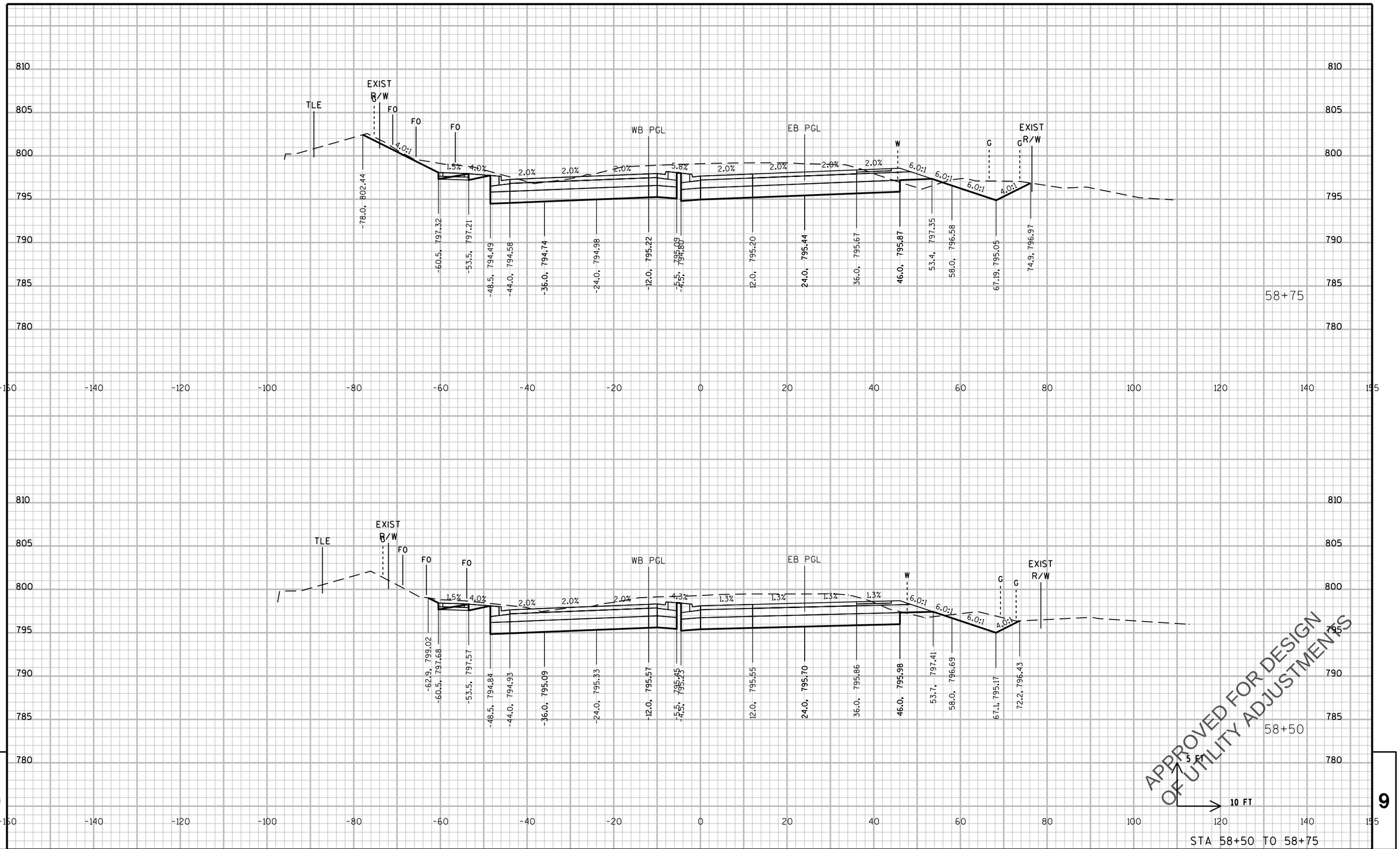
STA 58+10 TO 58+25

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: GENESSE ROAD	SHEET E

PRE_637

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090302_XS_GE.dgn PLOT DATE : 4/11/2016 10:41:12 AM PLOT BY : dbaumann PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

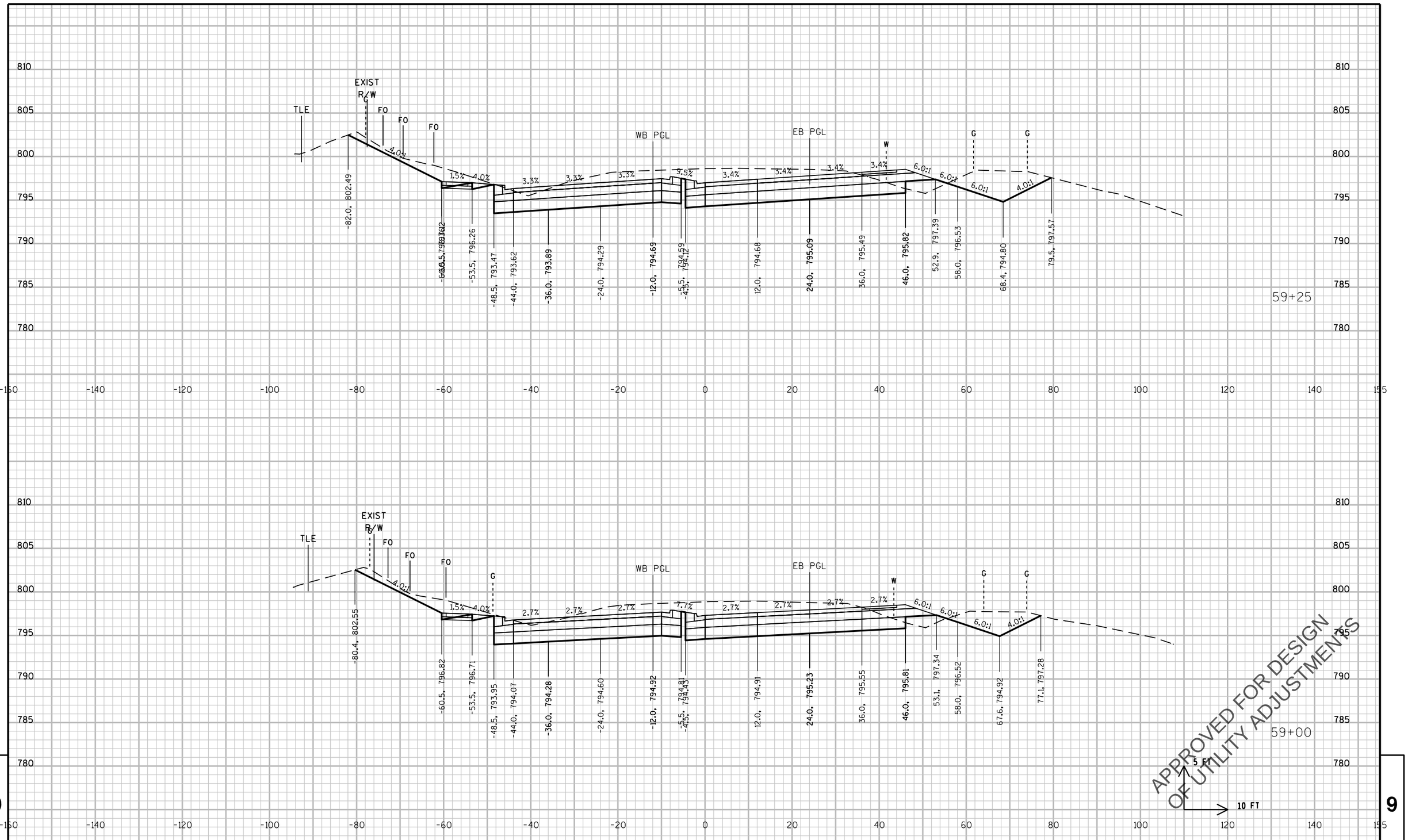


PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: GENESSE ROAD	SHEET E

PRE_638

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090302_XS_GE.dgn PLOT DATE : 4/11/2016 10:41:13 AM PLOT BY : dbaumann PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

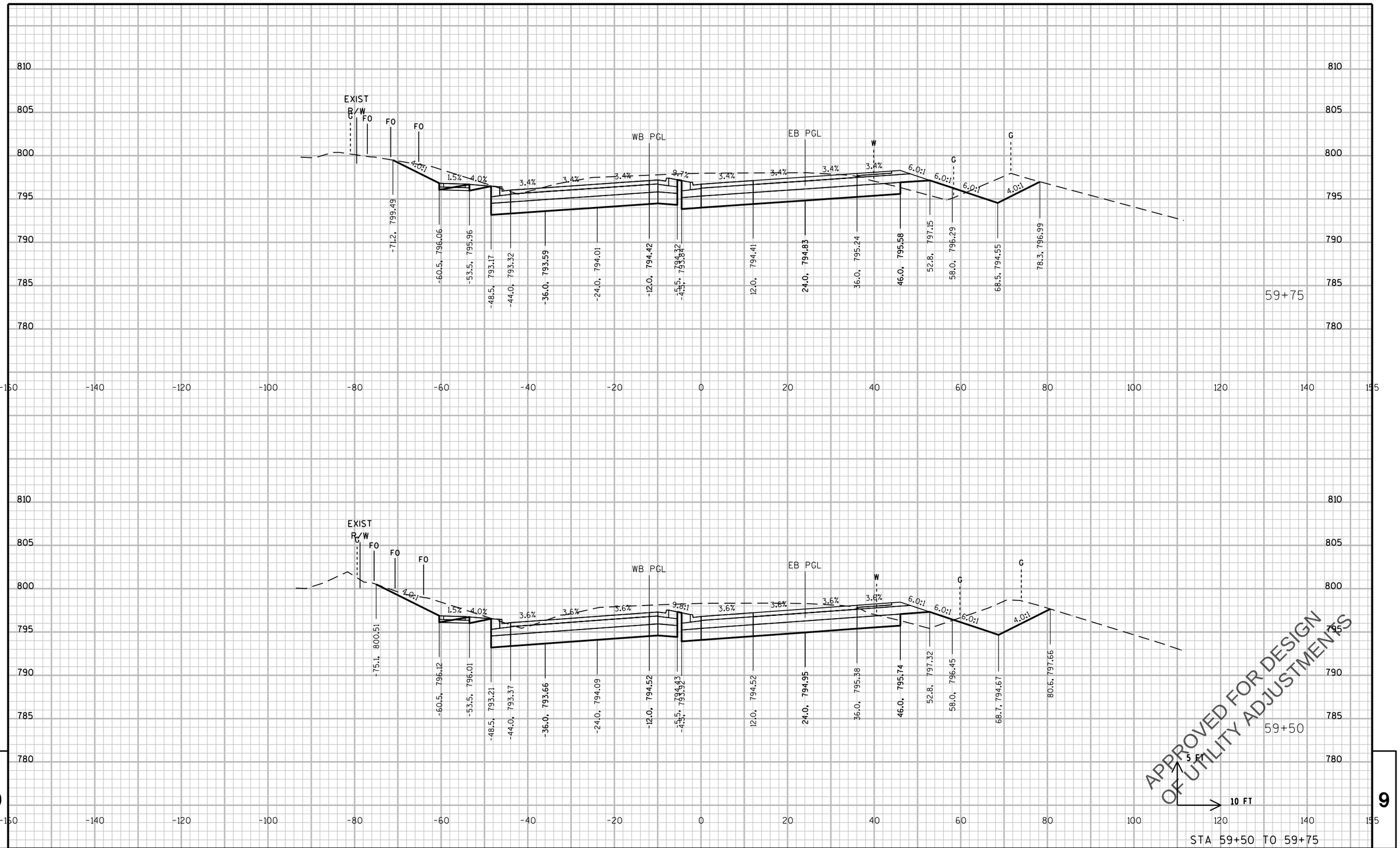


PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: GENESSE ROAD	SHEET	E

PRE_639

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090302_XS_GE.dgn PLOT DATE : 4/11/2016 10:41:14 AM PLOT BY : dbaumann PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

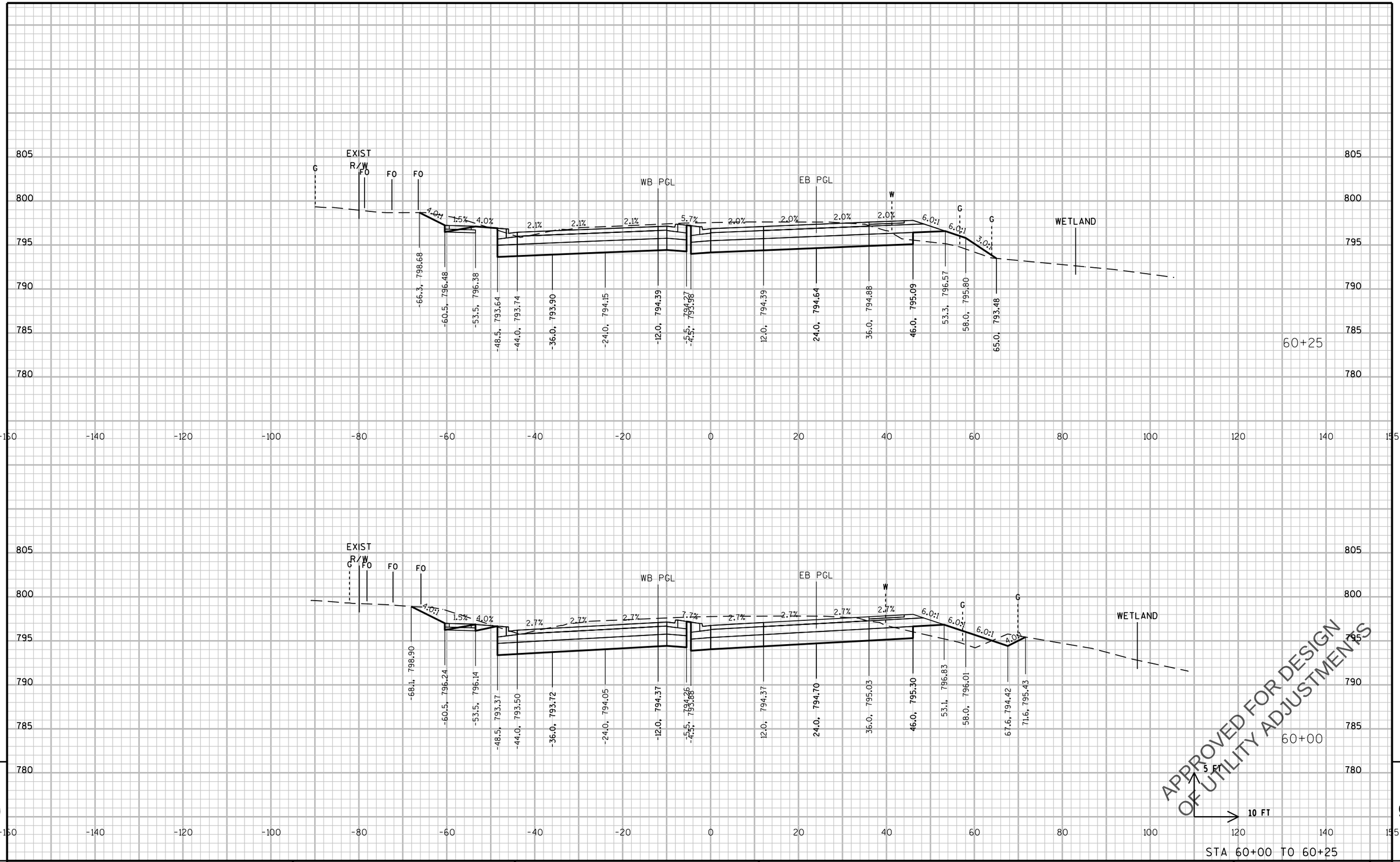


PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: GENESSE ROAD	SHEET E

PRE_640

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090302_XS_GE.dgn PLOT DATE : 4/11/2016 10:41:14 AM PLOT BY : dbaumann PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

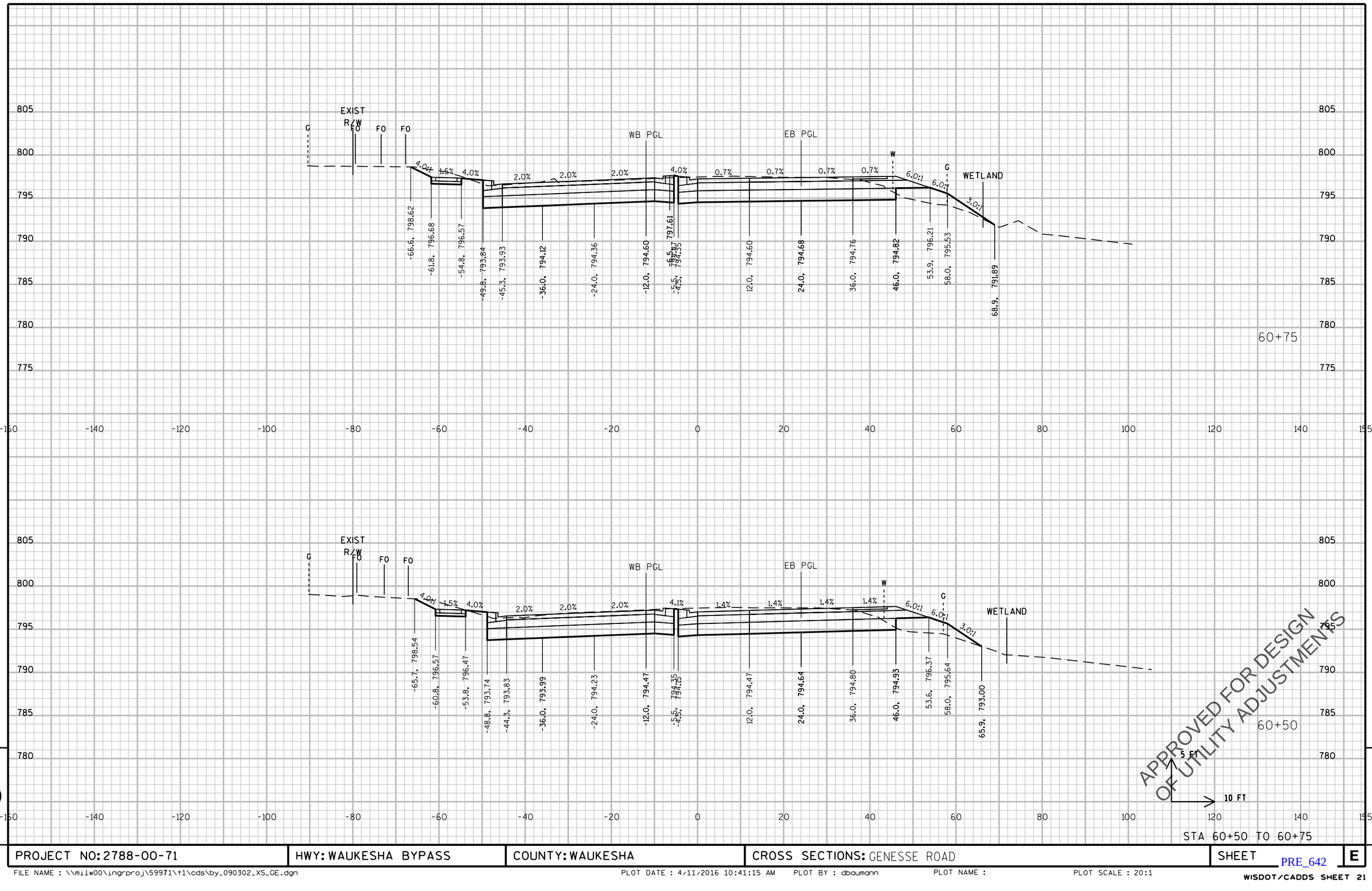


PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: GENESSE ROAD	SHEET	E

PRE_641

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090302_XS_GE.dgn PLOT DATE : 4/11/2016 10:41:15 AM PLOT BY : dbaumann PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

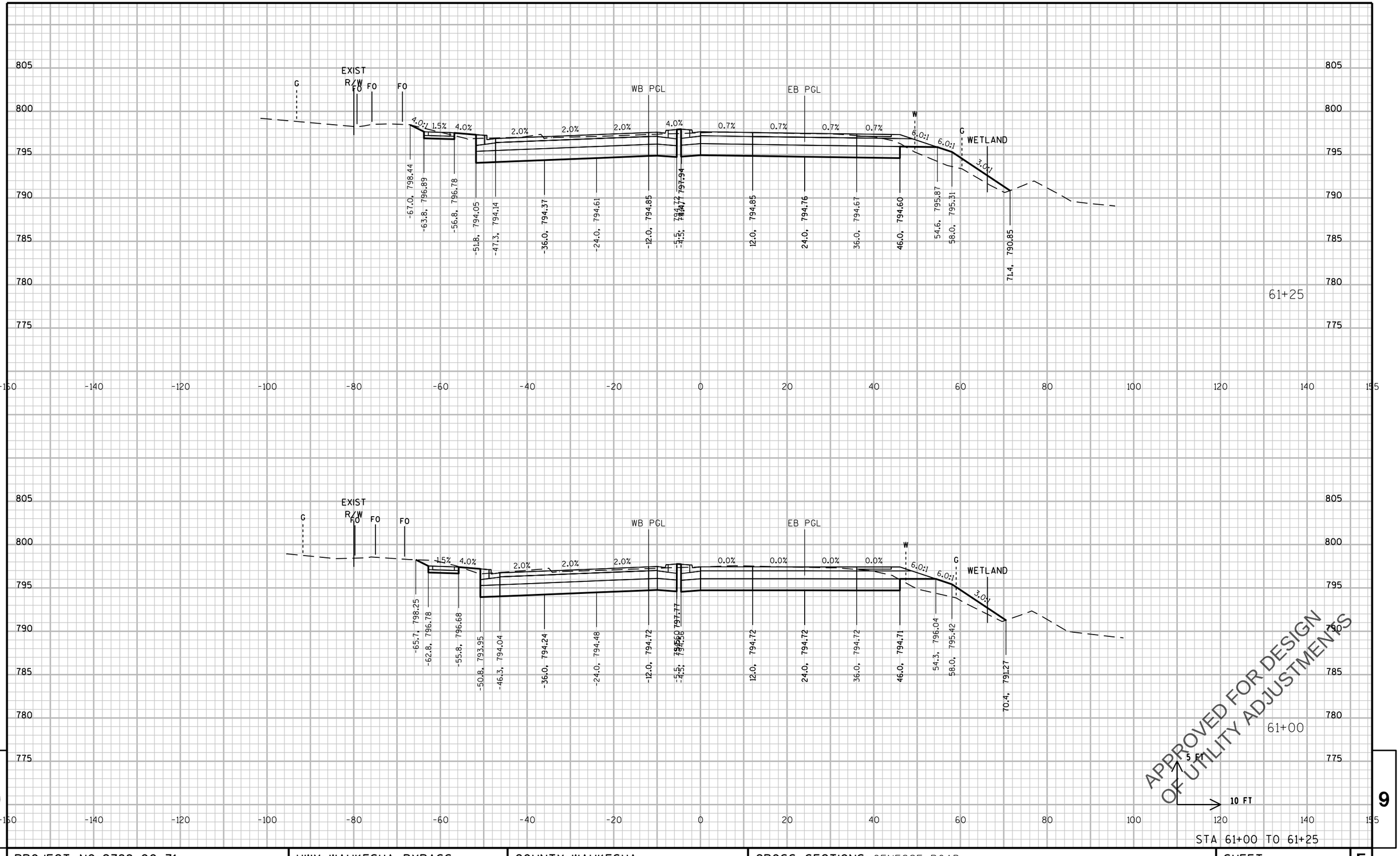


PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: GENESSE ROAD	SHEET E

PRE_642

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090302_XS_GE.dgn PLOT DATE : 4/11/2016 10:41:15 AM PLOT BY : dbaumann PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS

5 FT
10 FT

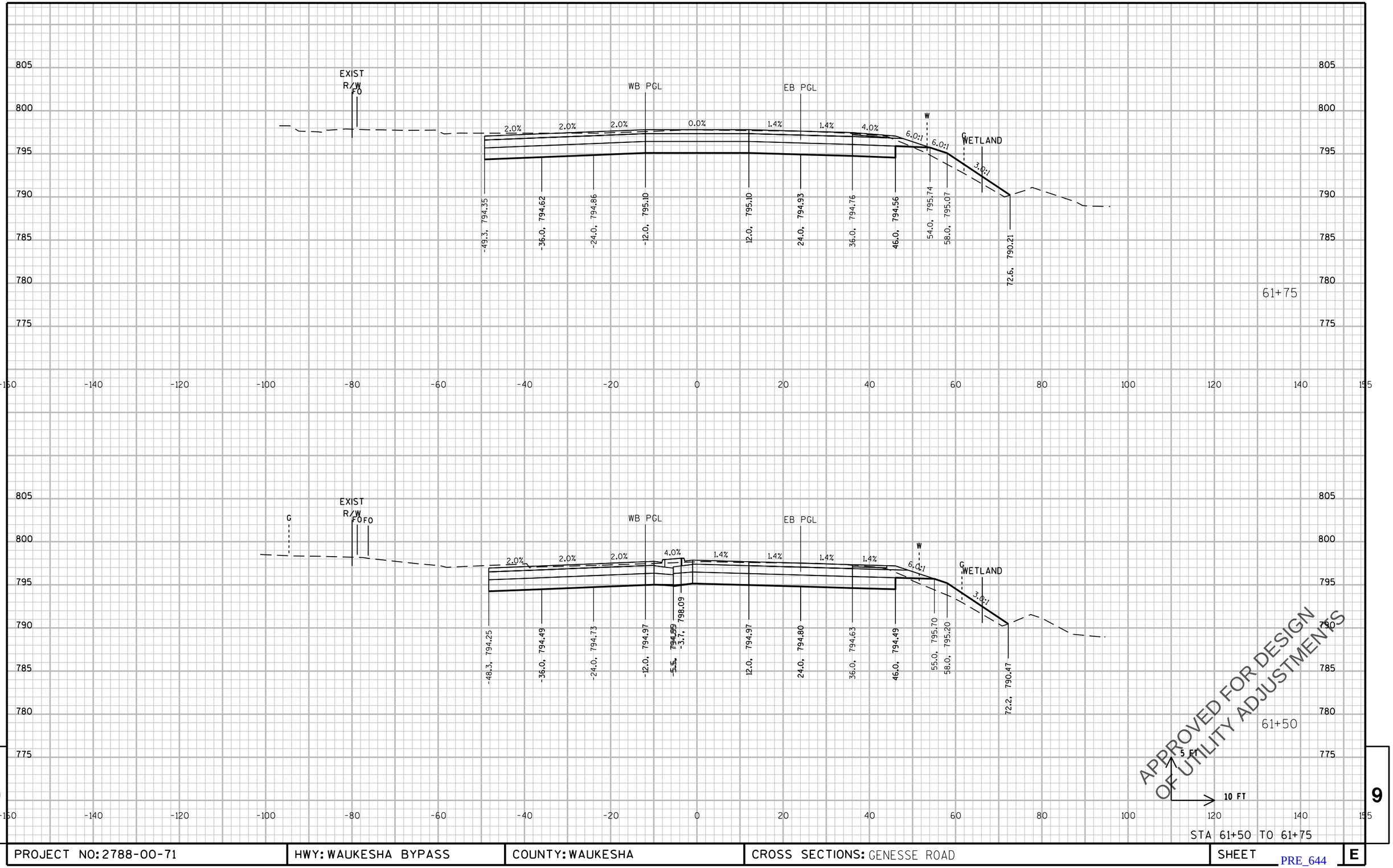
STA 61+00 TO 61+25

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: GENESSE ROAD	SHEET	E

PRE_643

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090302_XS_GE.dgn PLOT DATE : 4/11/2016 10:41:16 AM PLOT BY : dbaumann PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



9

9

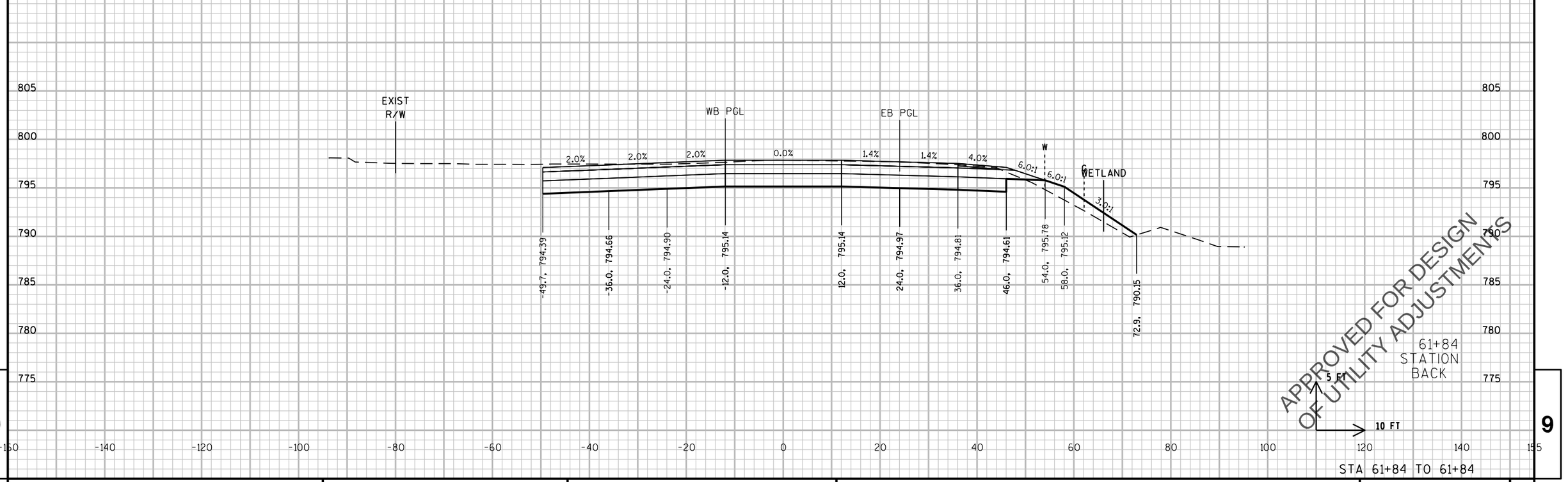
STA 61+50 TO 61+75

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: GENESSE ROAD	SHEET E

PRE_644

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090302_XS_GE.dgn PLOT DATE : 4/11/2016 10:41:16 AM PLOT BY : dbaumann PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



9

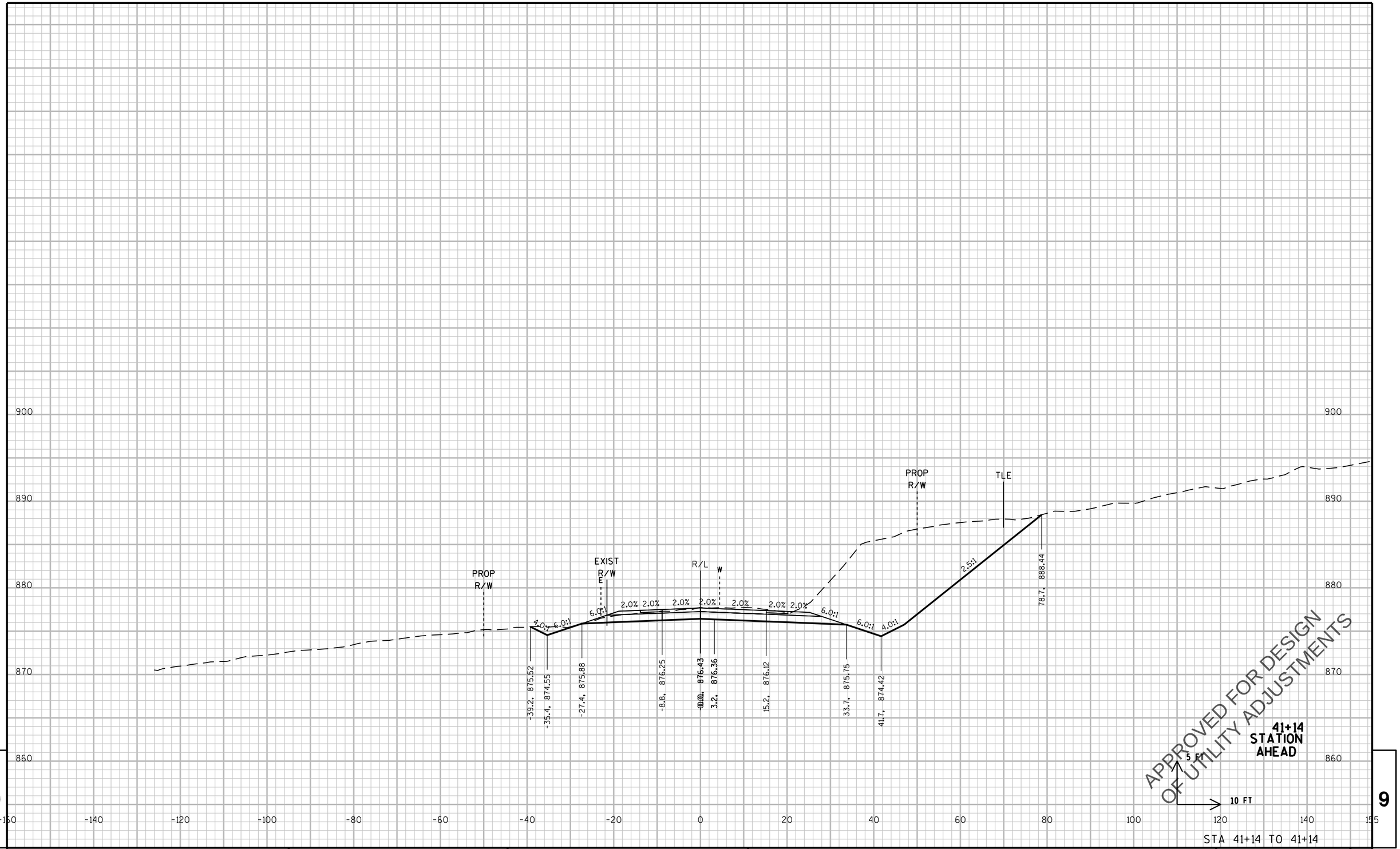
9

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: GENESSE ROAD	SHEET	E

PRE_645

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090302_XS_GE.dgn PLOT DATE : 4/11/2016 10:41:17 AM PLOT BY : dbaumann PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



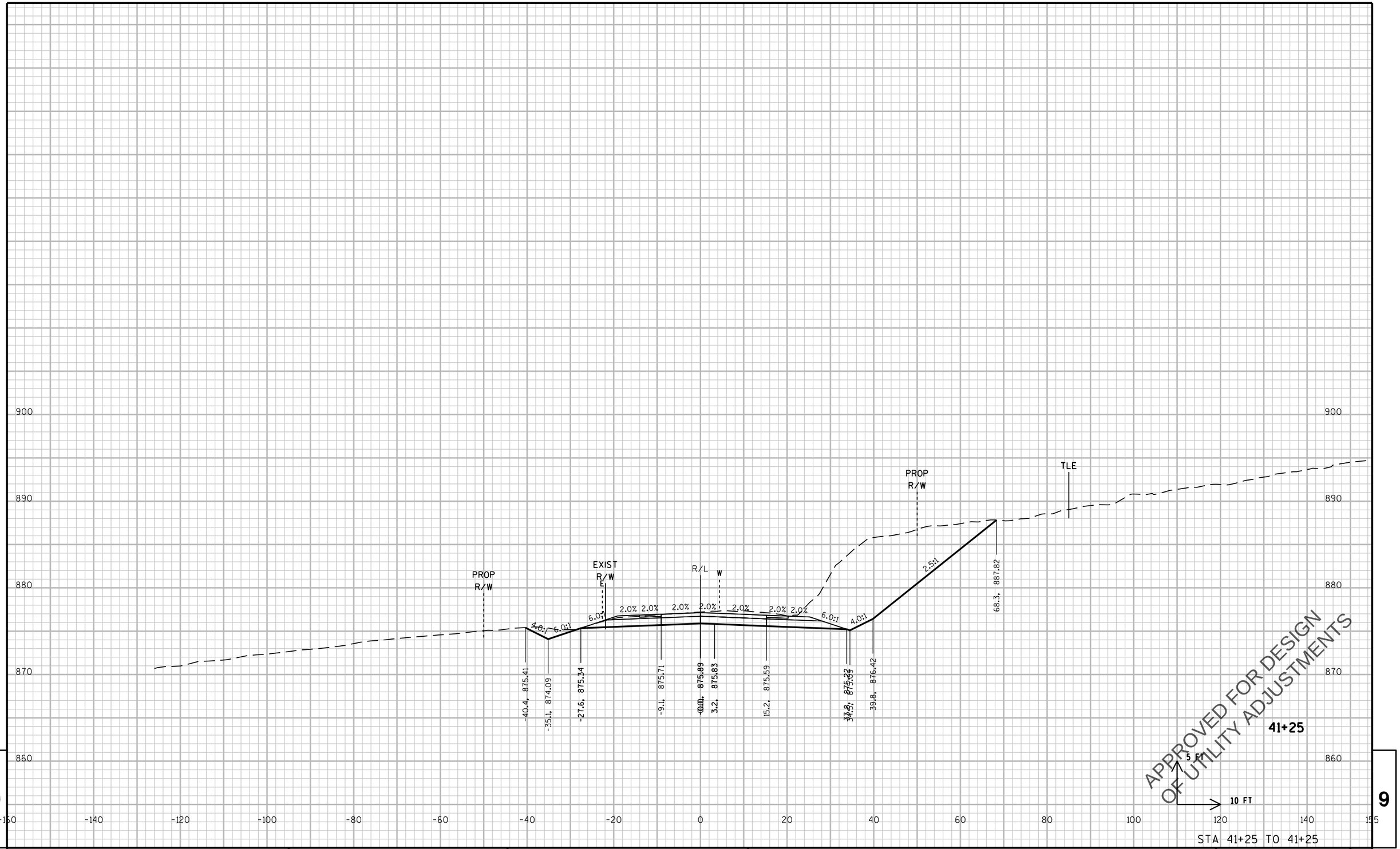
STA 41+14 TO 41+14

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: SUNSET DRIVE	SHEET E

PRE_646

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090303_XS_SUN.dgn PLOT DATE : 4/11/2016 10:13:10 AM PLOT BY : dbaumann PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



9

9

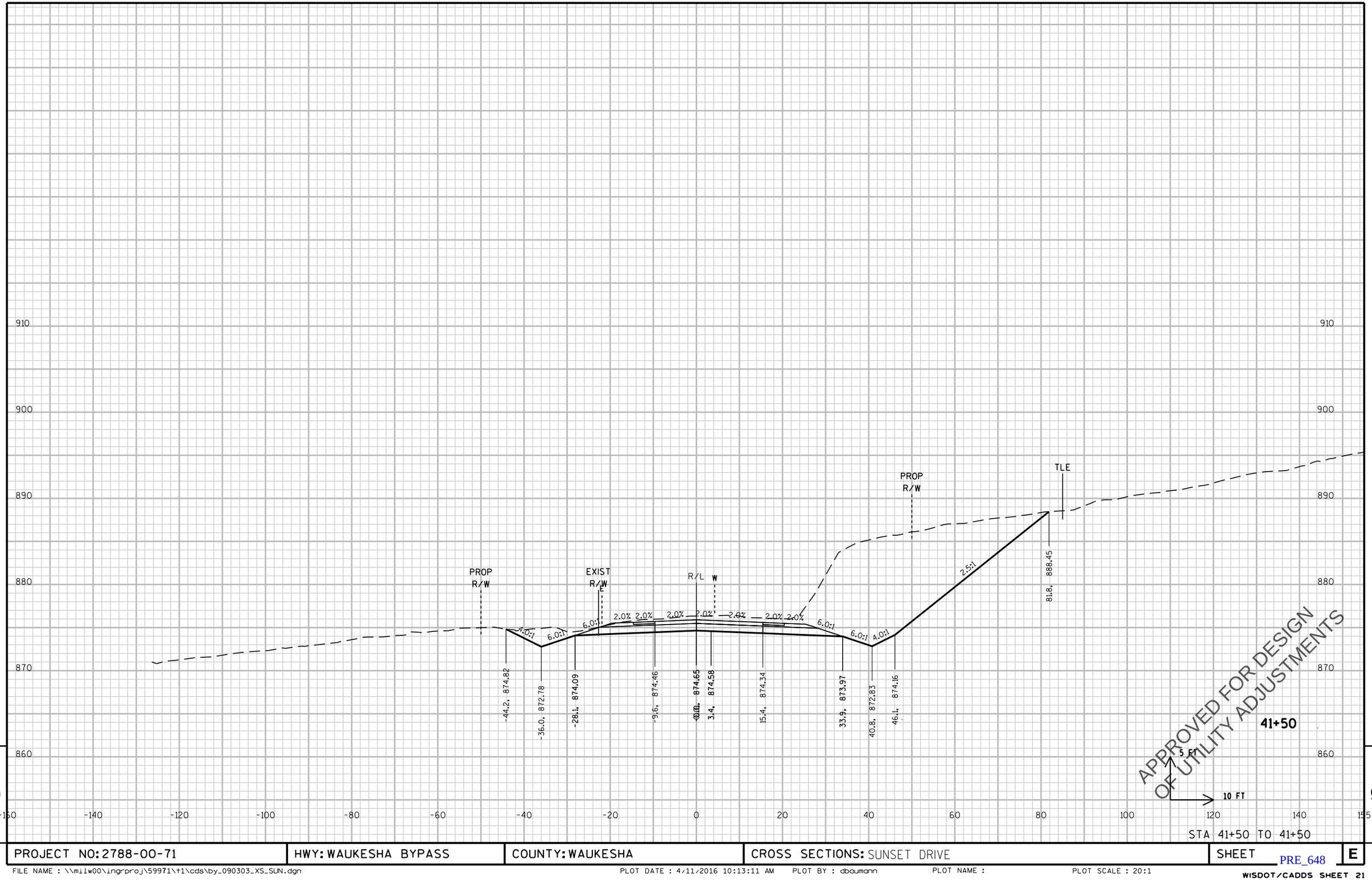
STA 41+25 TO 41+25

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: SUNSET DRIVE	SHEET	E

PRE_647

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090303_XS_SUN.dgn PLOT DATE : 4/11/2016 10:13:11 AM PLOT BY : dbaumann PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: SUNSET DRIVE	SHEET E

PRE_648

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090303_XS_SUN.dgn PLOT DATE : 4/11/2016 10:13:11 AM PLOT BY : dbaumann PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

900

890

880

870

860

PROP R/W

EXIST R/W

℄

R/L W

PROP R/W

TLE

4.0:1 6.0:1 6.0:1 2.0% 2.0% 2.0% 2.0% 2.0% 2.0% 2.0% 6.0:1 6.0:1 4.0:1 2.5:1

-47.5, 874.22

-36.6, 871.51

-28.7, 872.83

-10.2, 873.20

0.0, 873.41

3.6, 873.34

15.6, 873.10

34.1, 872.73

41.0, 871.58

46.3, 872.91

82.8, 887.50

APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS

41+75

5 FT

10 FT

-160 -140 -120 -100 -80 -60 -40 -20 0 20 40 60 80 100 120 140 155

STA 41+75 TO 41+75

9

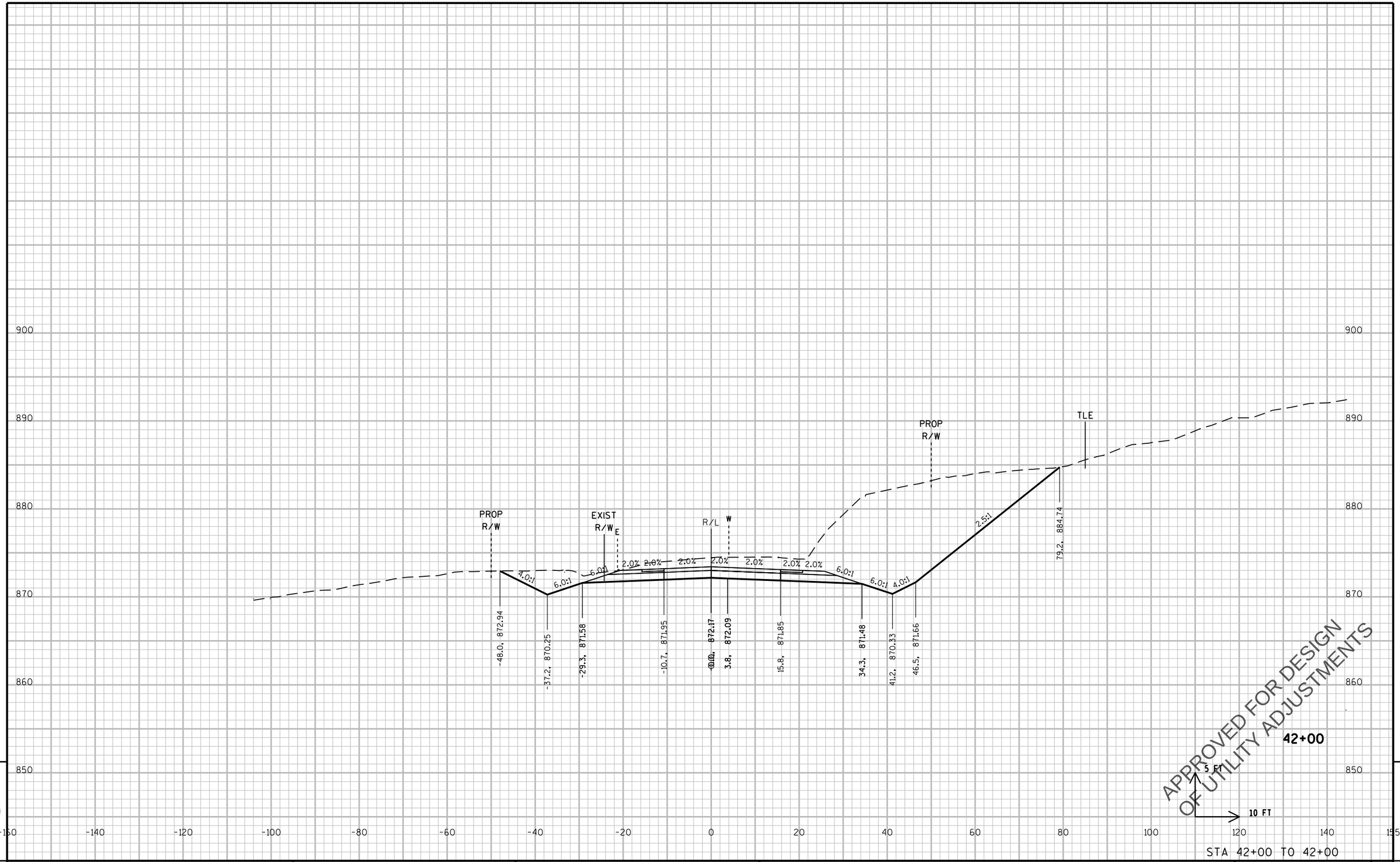
9

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: SUNSET DRIVE	SHEET	E

PRE_649

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090303_XS_SUN.dgn PLOT DATE : 4/11/2016 10:13:11 AM PLOT BY : dbaumann PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS

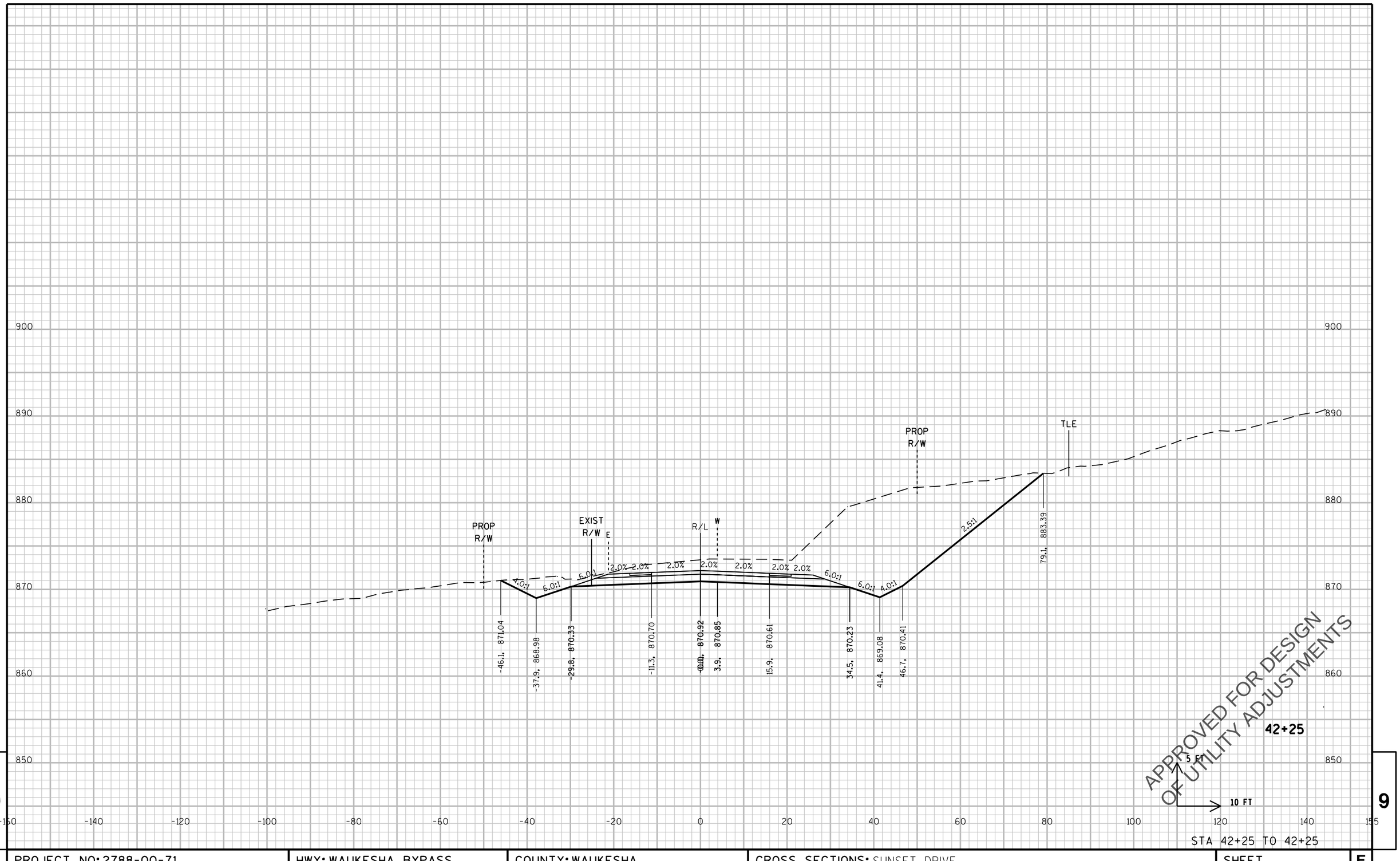
STA 42+00 TO 42+00

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: SUNSET DRIVE	SHEET	E

PRE_650

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090303_XS_SUN.dgn PLOT DATE : 4/11/2016 10:13:12 AM PLOT BY : dbaumann PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



9

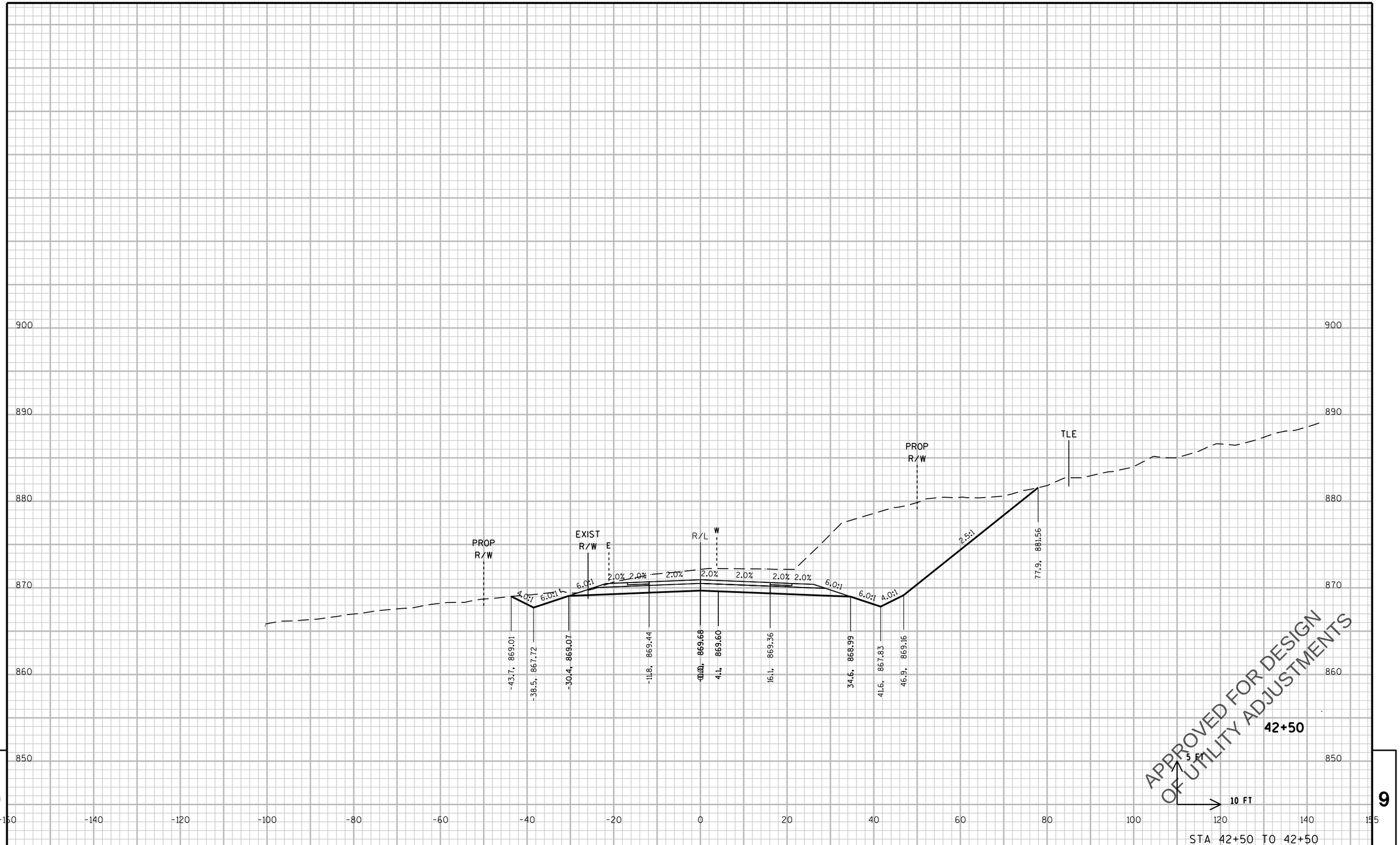
9

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: SUNSET DRIVE	SHEET E

PRE_651

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090303_XS_SUN.dgn PLOT DATE : 4/11/2016 10:13:12 AM PLOT BY : dbaumann PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



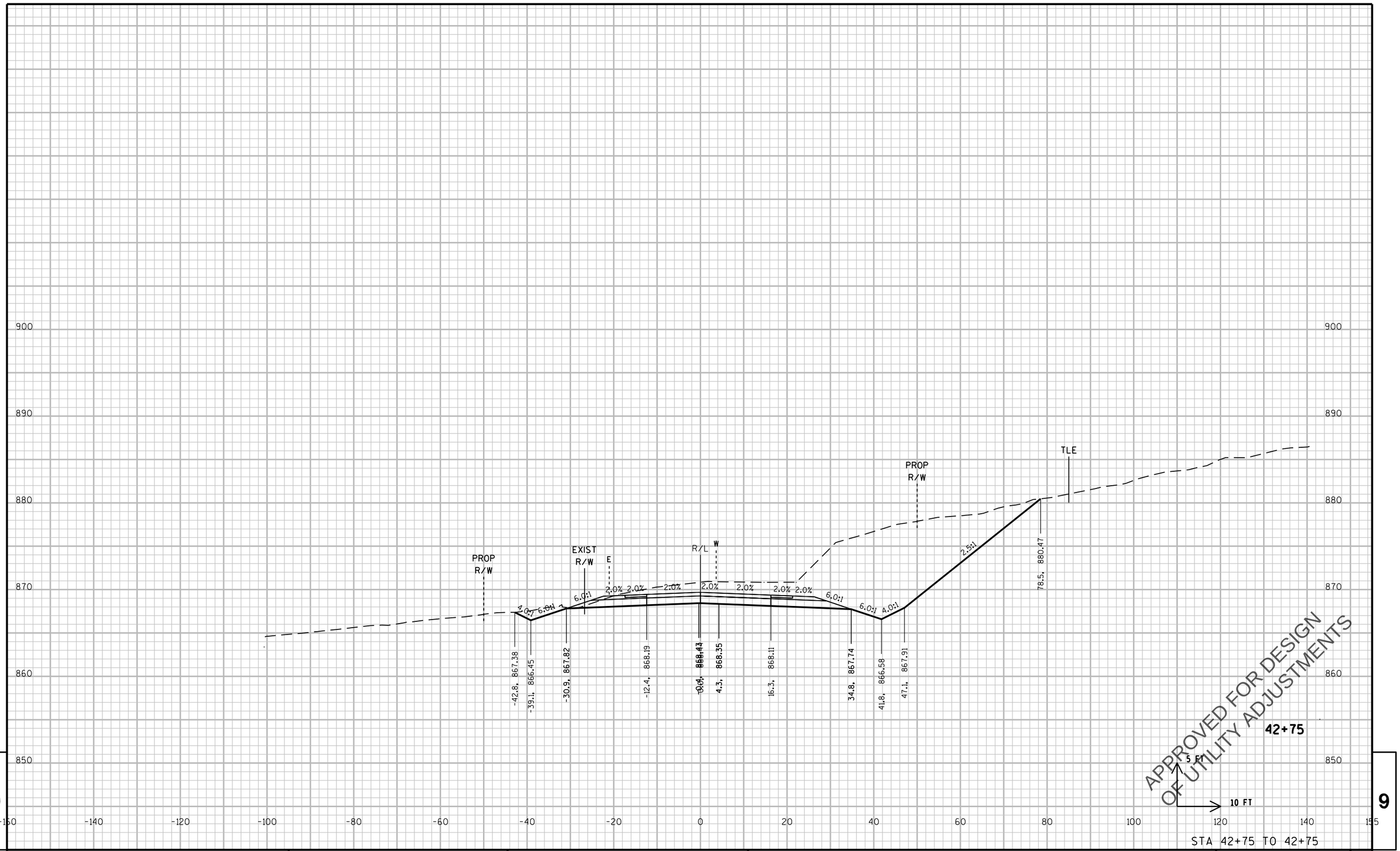
STA 42+50 TO 42+50

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: SUNSET DRIVE	SHEET	E

PRE_652

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090303_XS_SUN.dgn PLOT DATE : 4/11/2016 10:13:13 AM PLOT BY : dbaumann PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

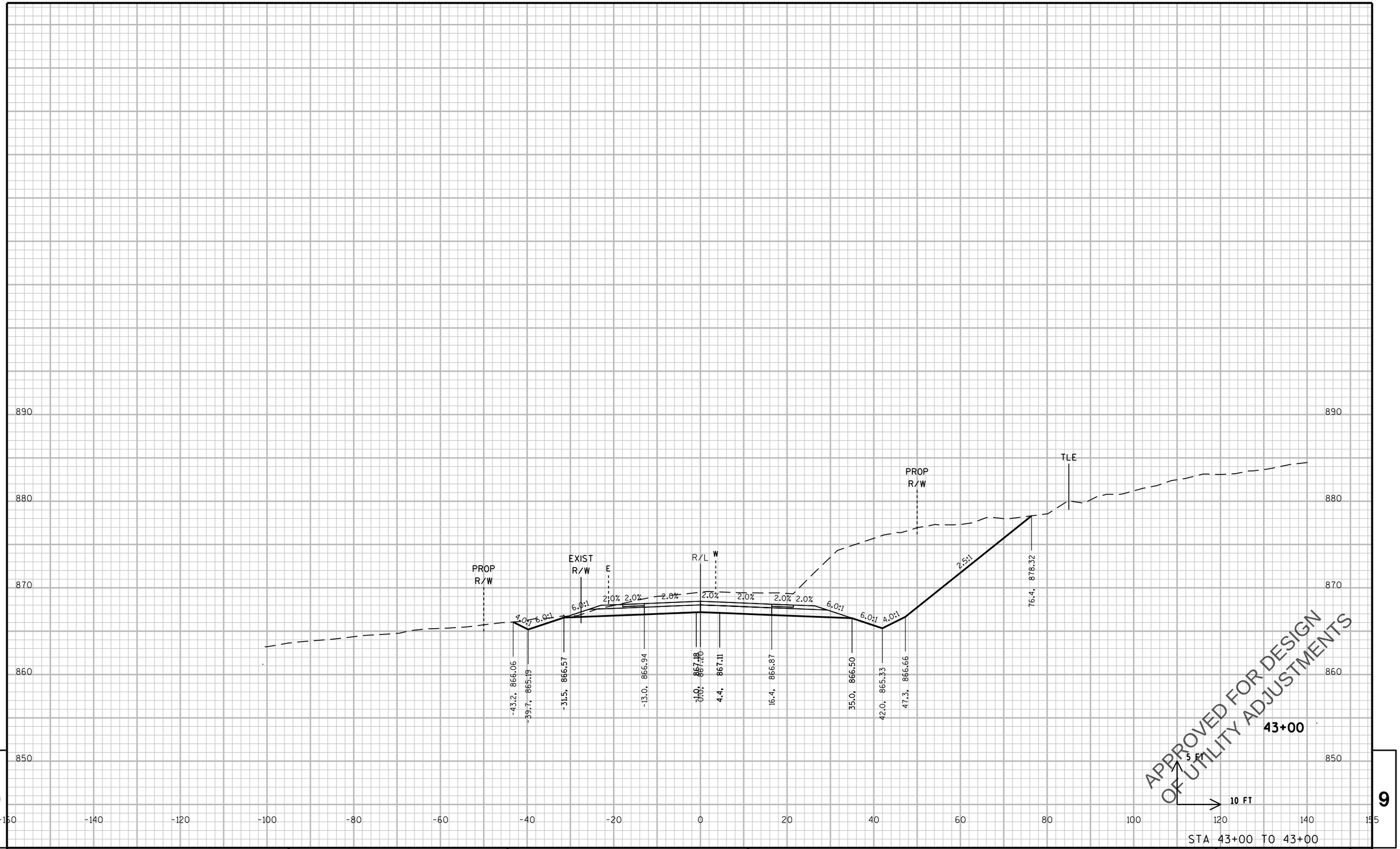


PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: SUNSET DRIVE	SHEET E

PRE_653

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090303_XS_SUN.dgn PLOT DATE : 4/11/2016 10:13:13 AM PLOT BY : dbaumann PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

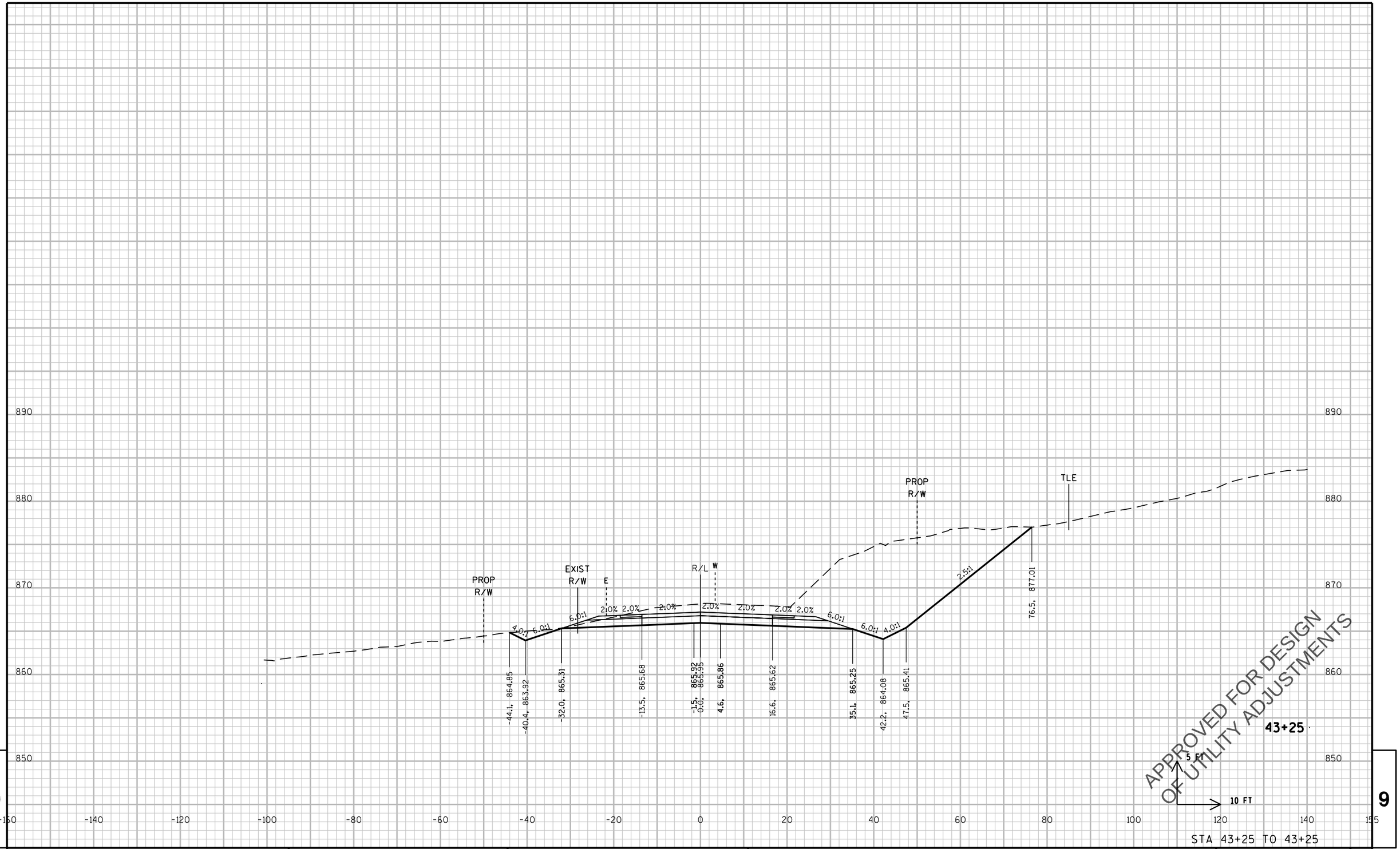


PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: SUNSET DRIVE	SHEET E

PRE_654

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090303_XS_SUN.dgn PLOT DATE : 4/11/2016 10:13:14 AM PLOT BY : dbaumann PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

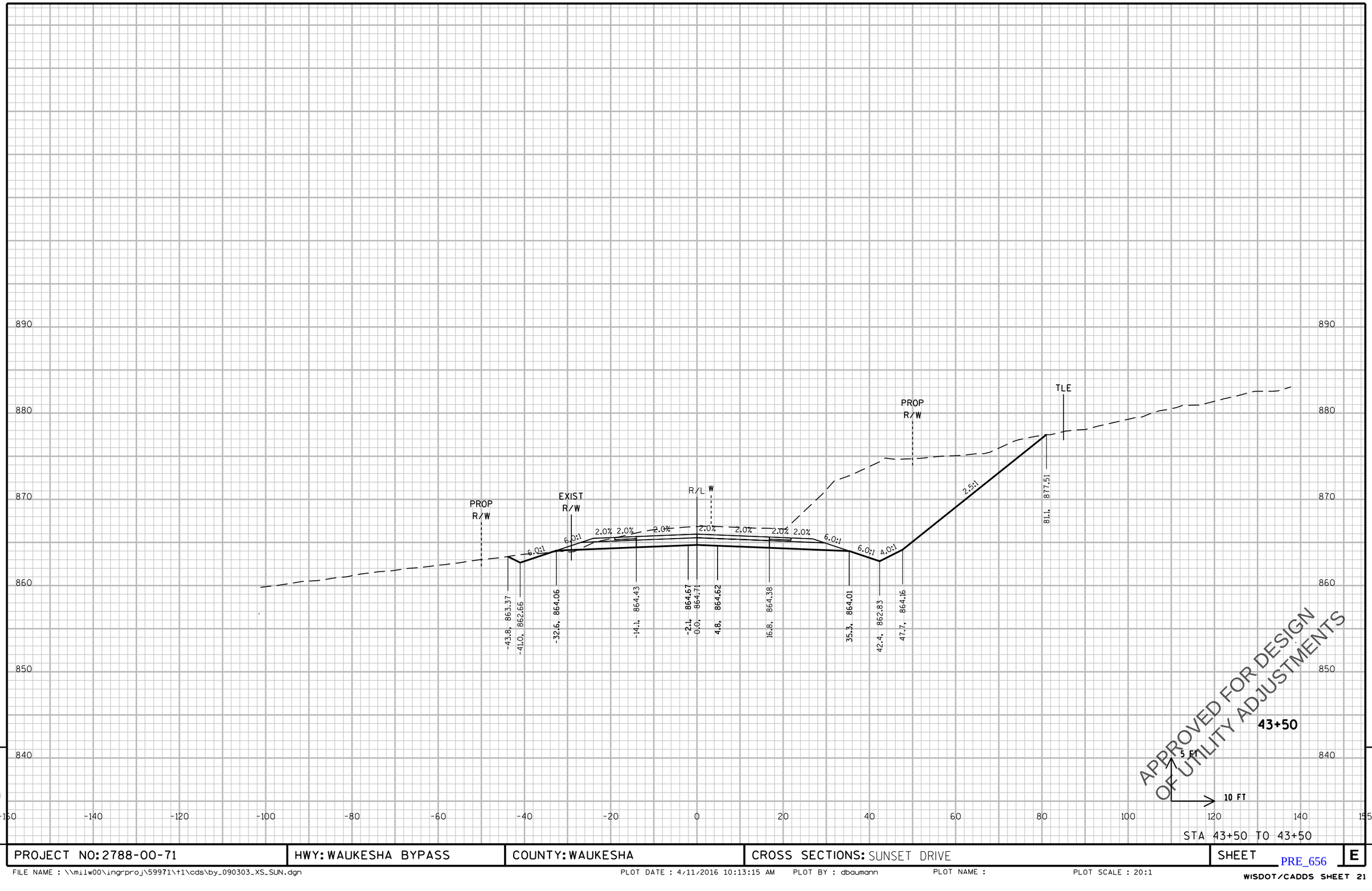


PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: SUNSET DRIVE	SHEET	E

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090303_XS_SUN.dgn PLOT DATE : 4/11/2016 10:13:14 AM PLOT BY : dbaumann PLOT NAME : PLOT SCALE : 20:1

PRE_655

WISDOT/CADDS SHEET 21



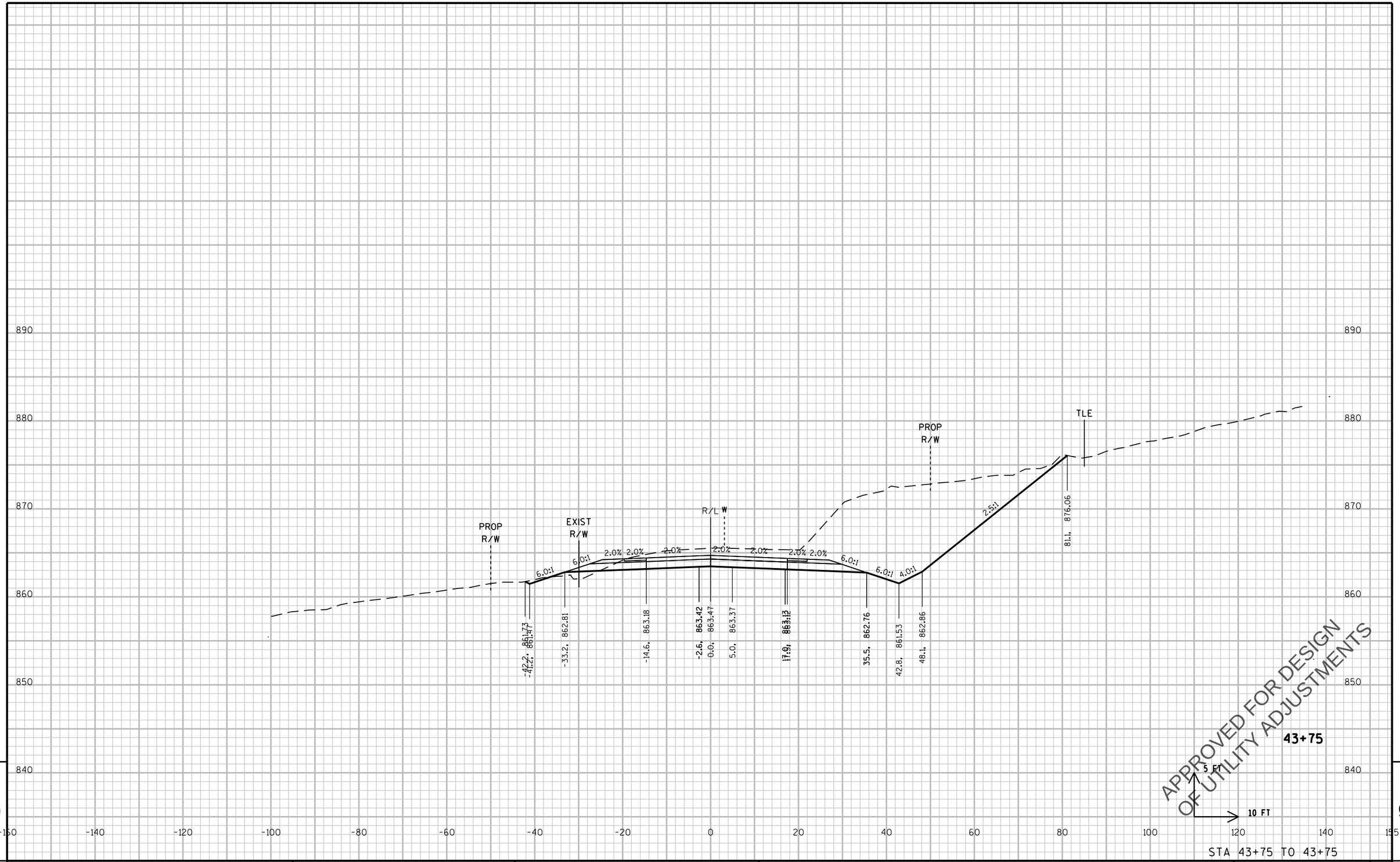
STA 43+50 TO 43+50

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: SUNSET DRIVE	SHEET	E

PRE_656

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090303_XS_SUN.dgn PLOT DATE : 4/11/2016 10:13:15 AM PLOT BY : dbaumann PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

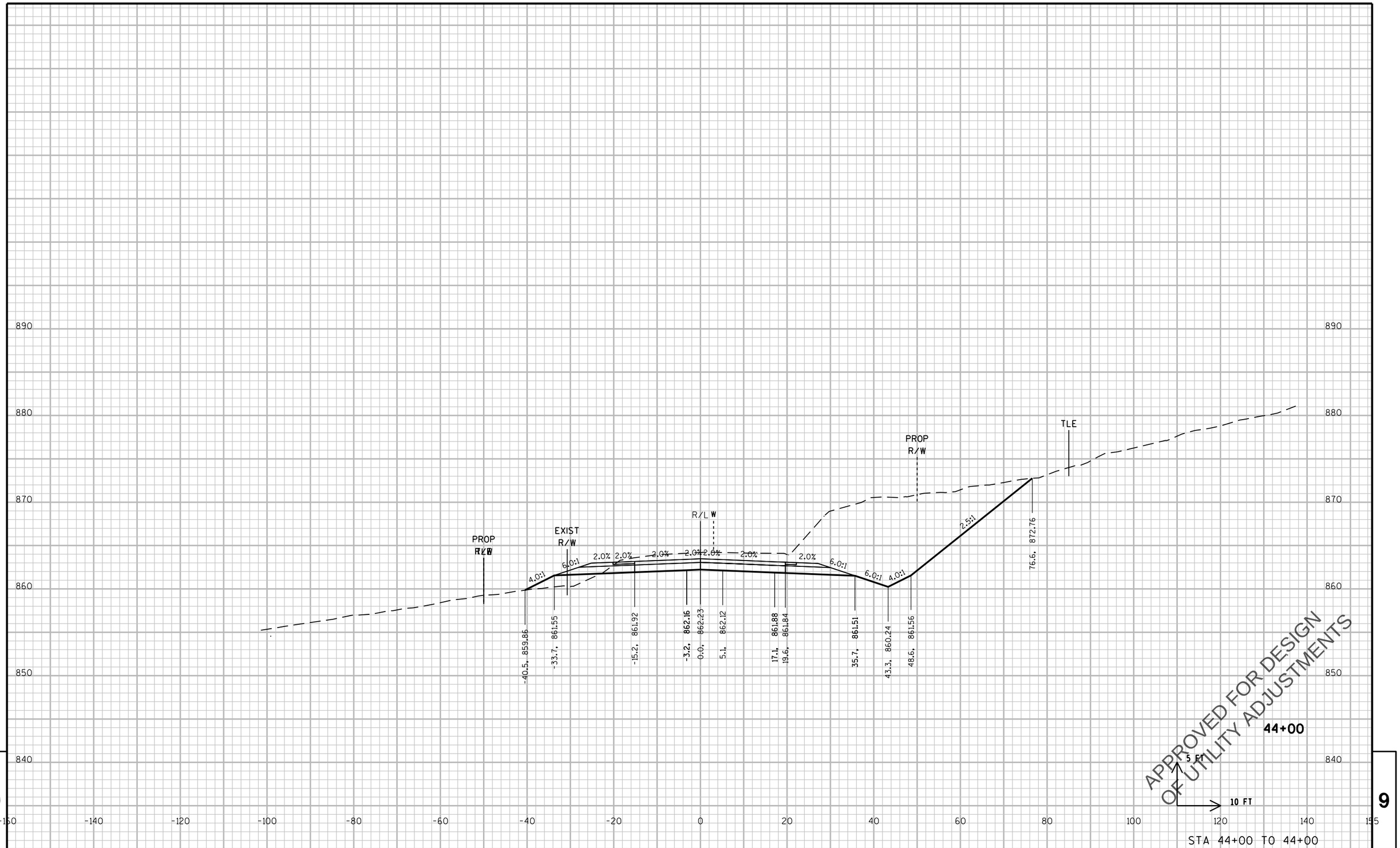


PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: SUNSET DRIVE	SHEET	E

PRE_657

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090303_XS_SUN.dgn PLOT DATE : 4/11/2016 10:13:15 AM PLOT BY : dbaumann PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



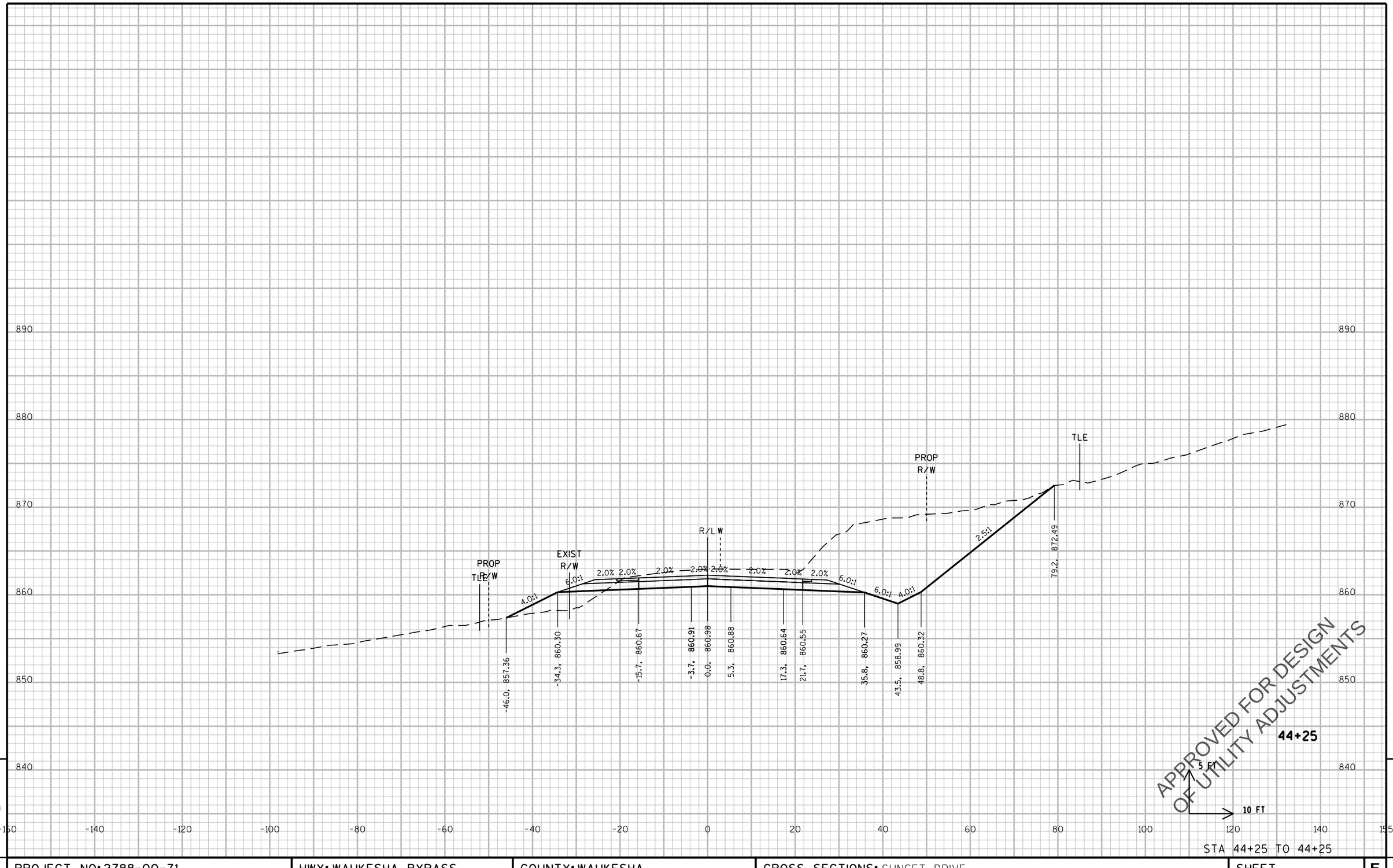
STA 44+00 TO 44+00

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: SUNSET DRIVE	SHEET E

PRE_658

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090303_XS_SUN.dgn PLOT DATE : 4/11/2016 10:13:16 AM PLOT BY : dbaumann PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

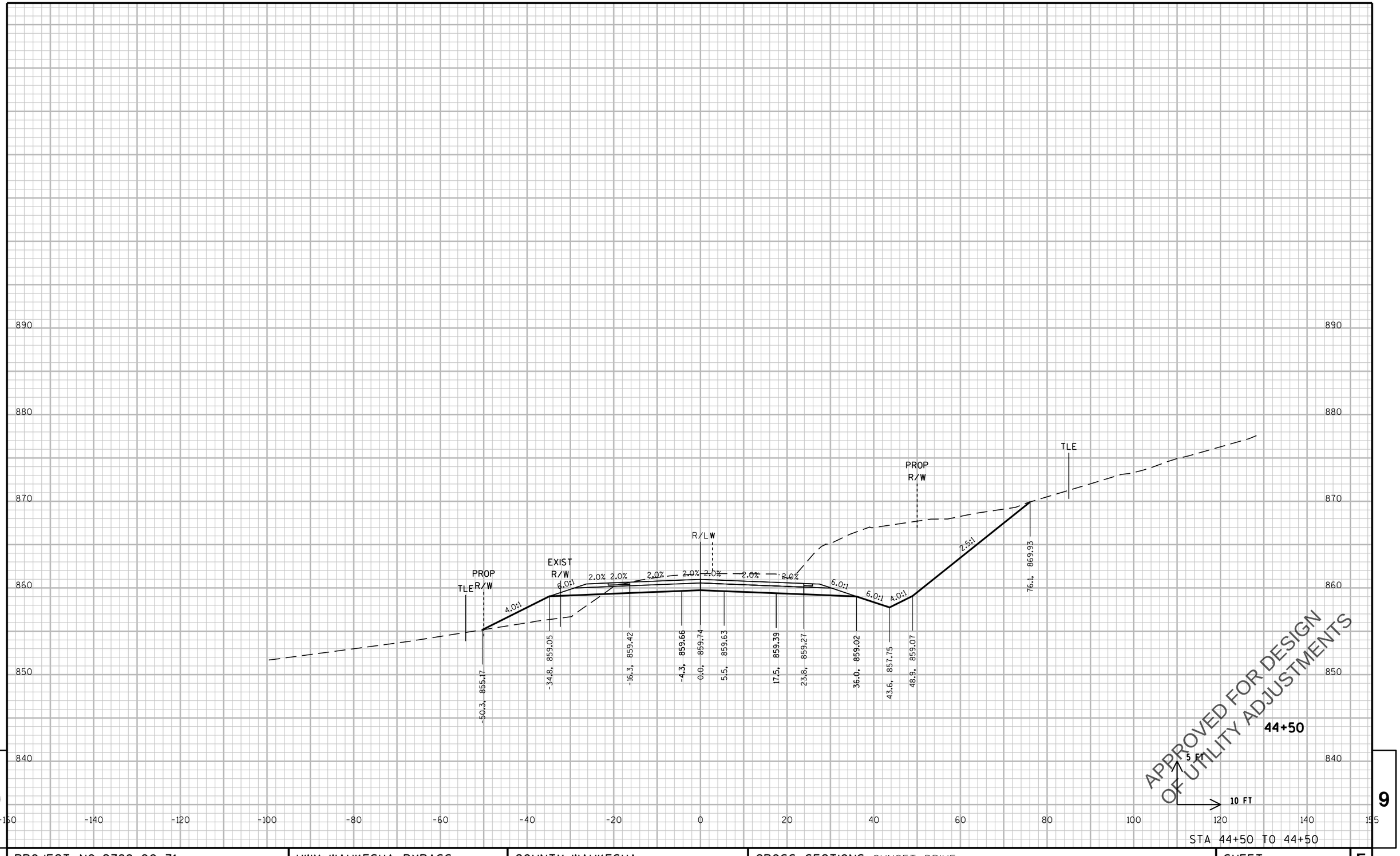


PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: SUNSET DRIVE	SHEET	E

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090303_XS_SUN.dgn PLOT DATE : 4/11/2016 10:13:16 AM PLOT BY : dbaumann PLOT NAME : PLOT SCALE : 20:1

PRE_659

WISDOT/CADDS SHEET 21



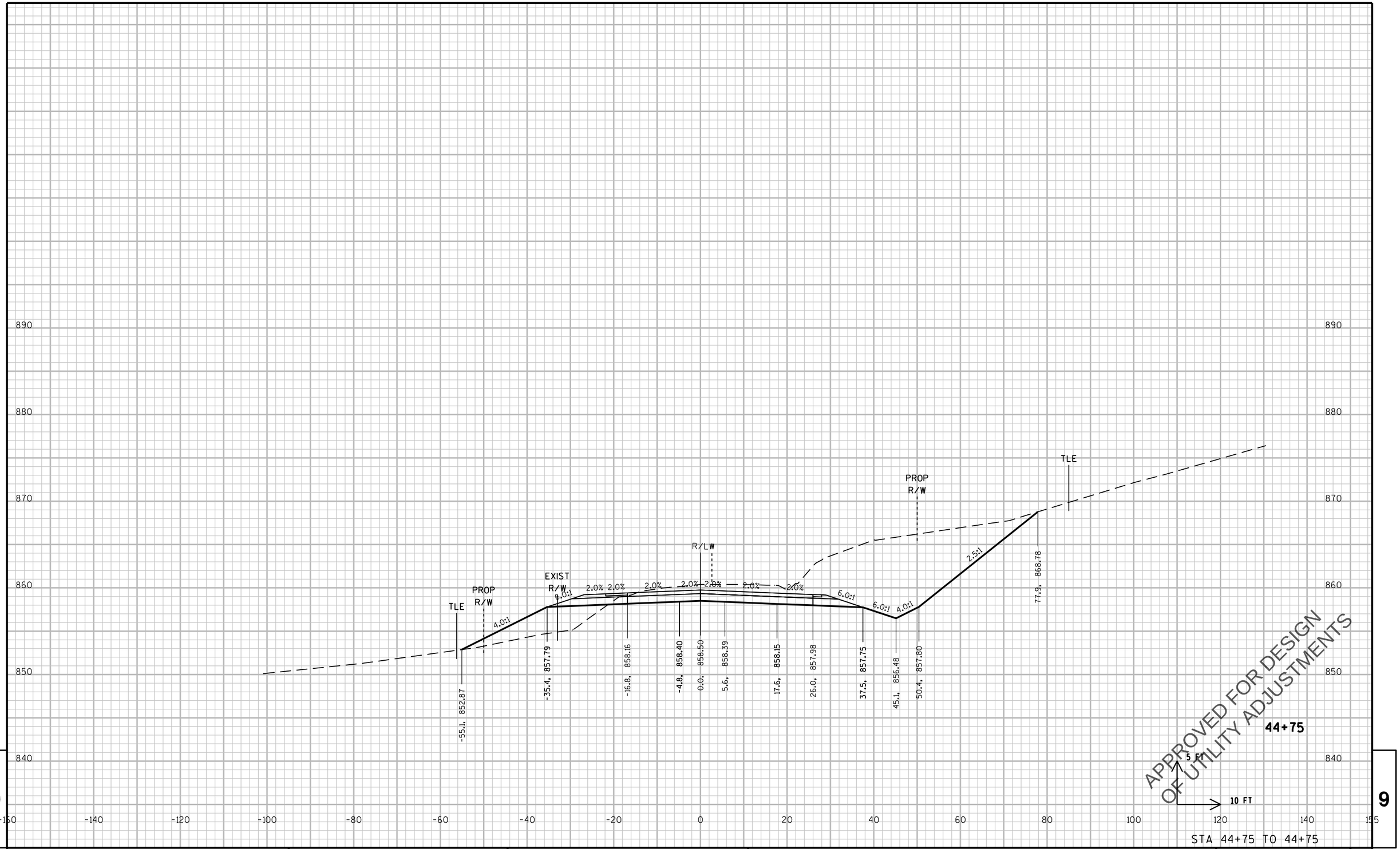
STA 44+50 TO 44+50

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: SUNSET DRIVE	SHEET	E

PRE_660

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090303_XS_SUN.dgn PLOT DATE : 4/11/2016 10:13:17 AM PLOT BY : dbaumann PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

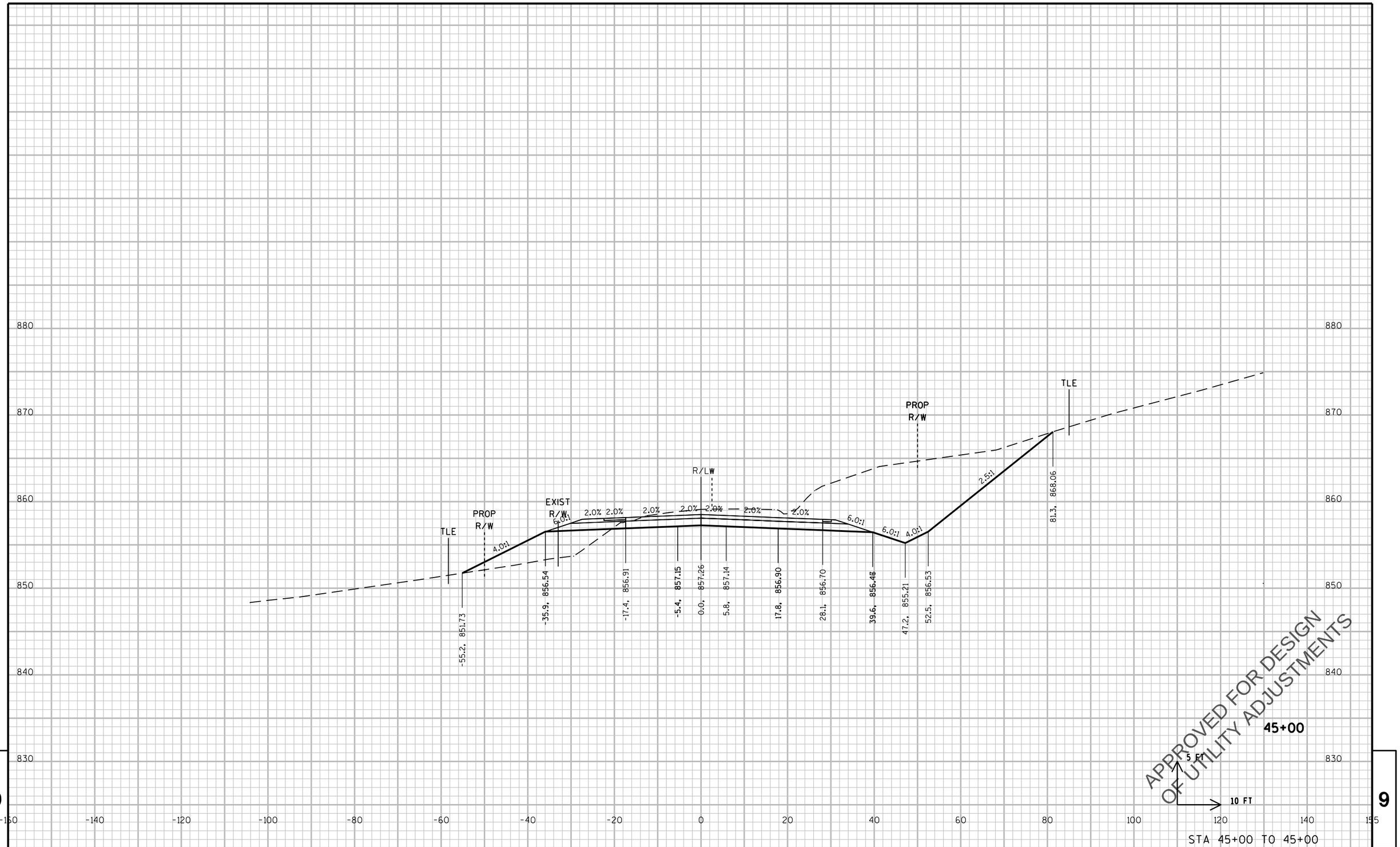


PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: SUNSET DRIVE	SHEET E

PRE_661

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090303_XS_SUN.dgn PLOT DATE : 4/11/2016 10:13:17 AM PLOT BY : dbaumann PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



STA 45+00 TO 45+00

9

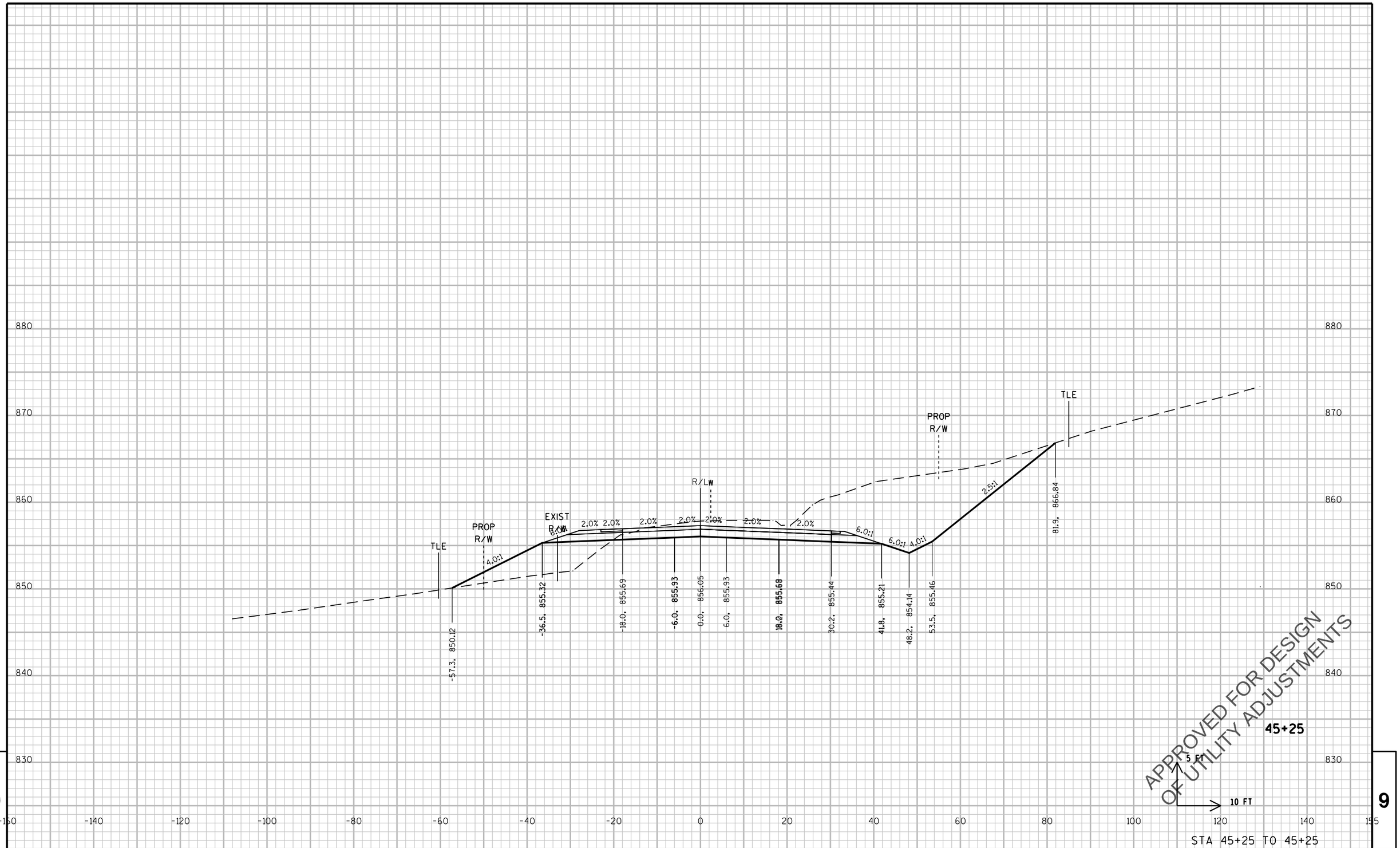
9

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: SUNSET DRIVE	SHEET E

PRE_662

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090303_XS_SUN.dgn PLOT DATE : 4/11/2016 10:13:17 AM PLOT BY : dbaumann PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



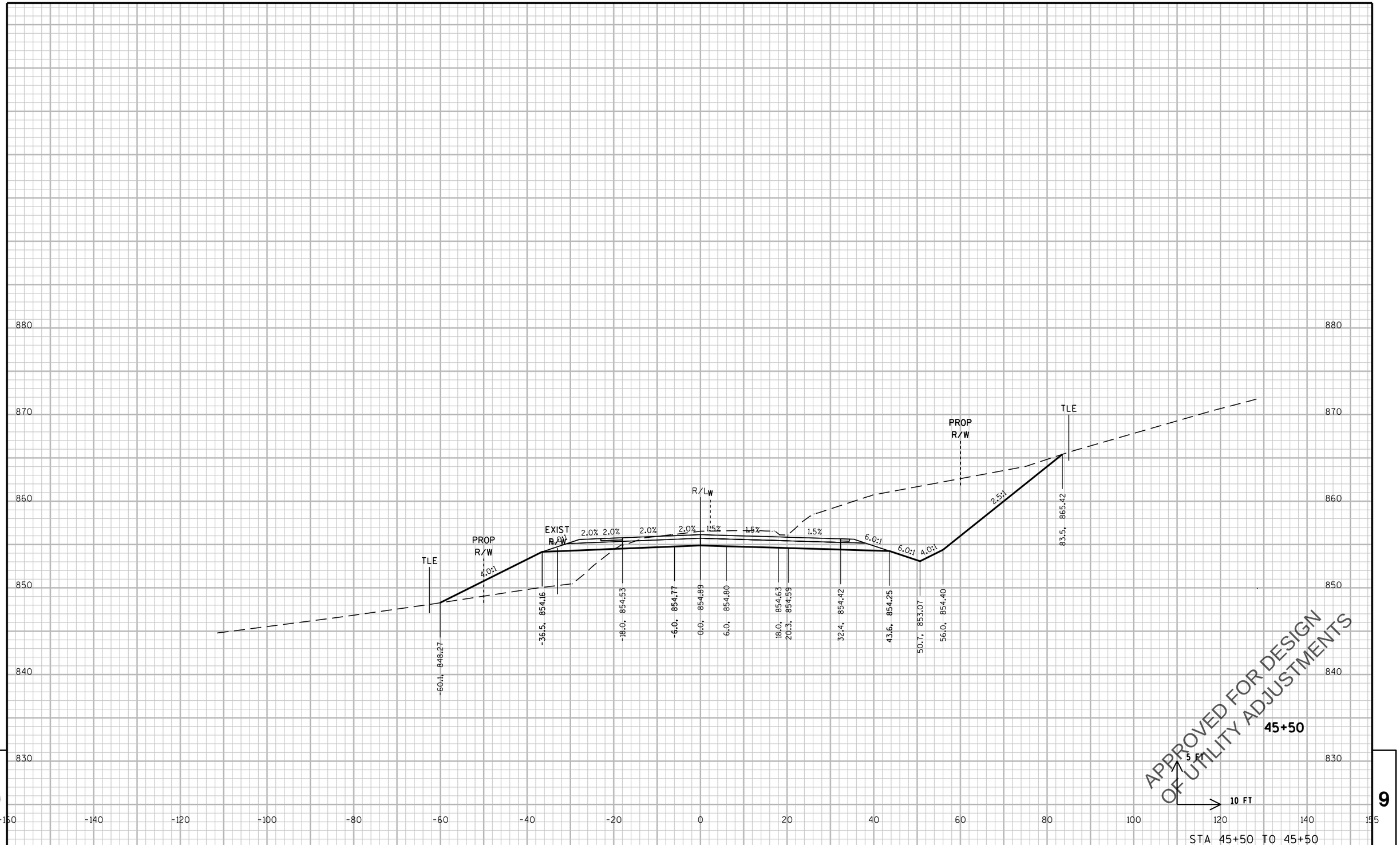
STA 45+25 TO 45+25

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: SUNSET DRIVE	SHEET E

PRE_663

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090303_XS_SUN.dgn PLOT DATE : 4/11/2016 10:13:18 AM PLOT BY : dbaumann PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



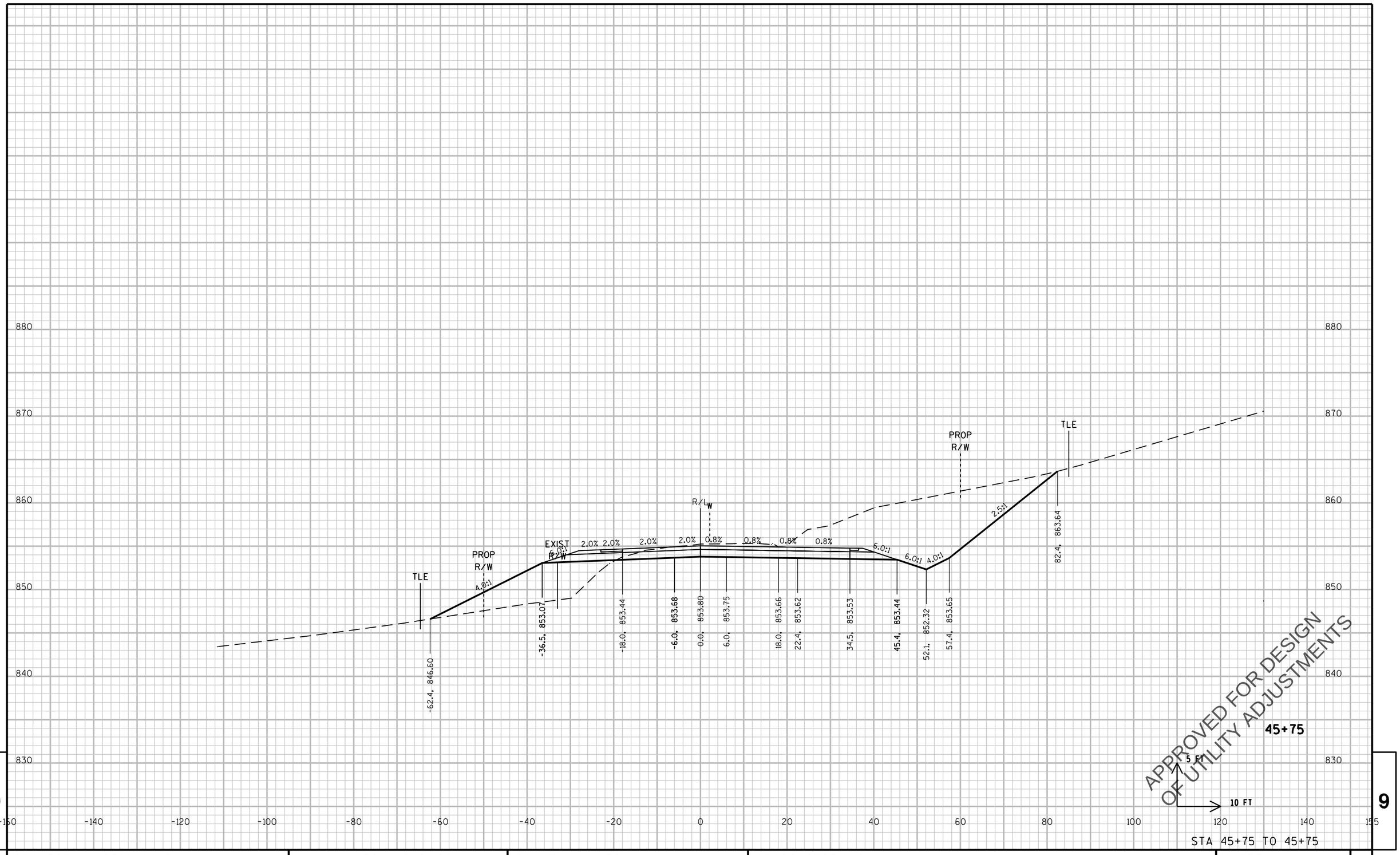
STA 45+50 TO 45+50

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: SUNSET DRIVE	SHEET	E

PRE_664

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090303_XS_SUN.dgn PLOT DATE : 4/11/2016 10:13:18 AM PLOT BY : dbaumann PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



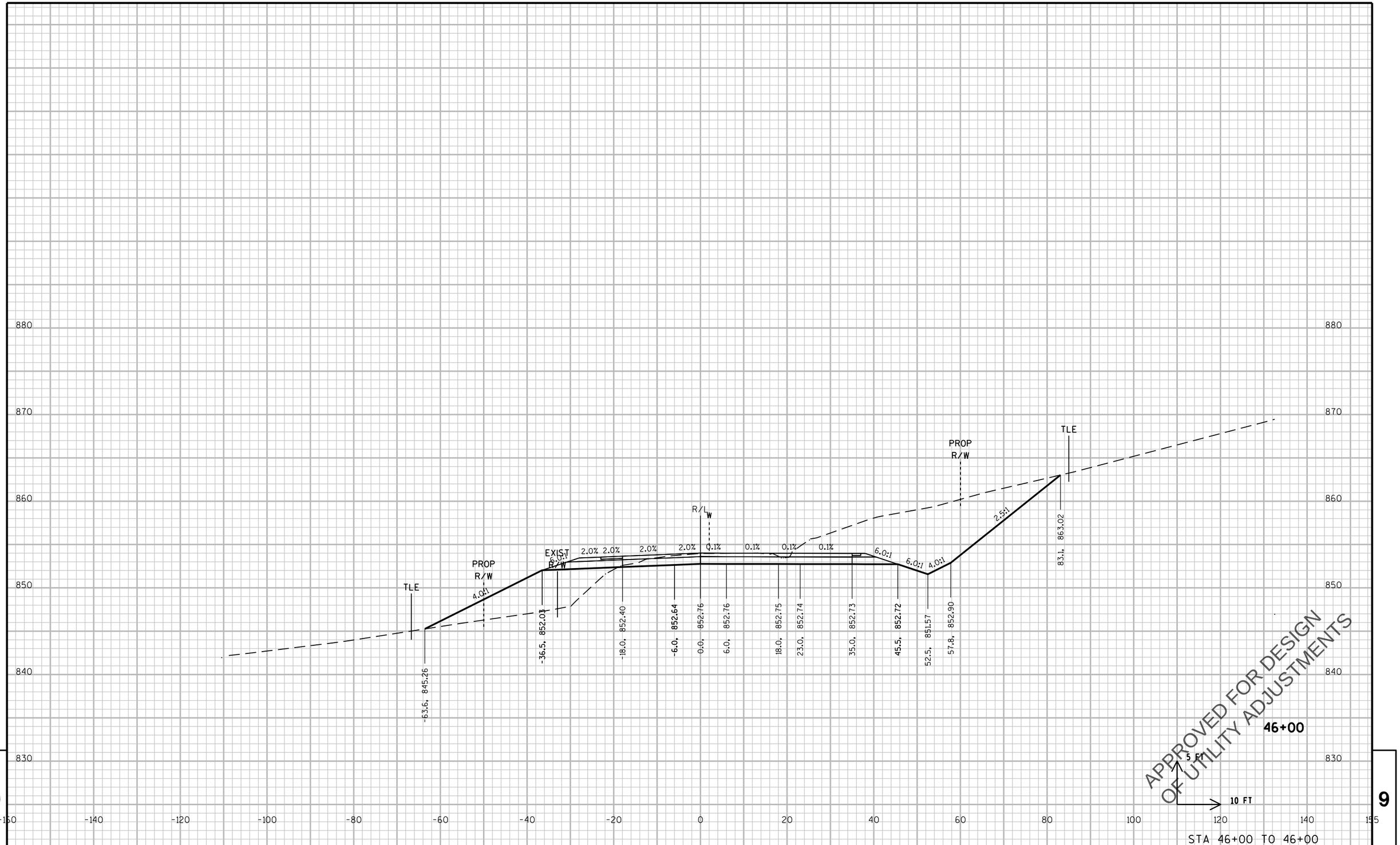
STA 45+75 TO 45+75

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: SUNSET DRIVE	SHEET	E

PRE_665

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090303_XS_SUN.dgn PLOT DATE : 4/11/2016 10:13:19 AM PLOT BY : dbaumann PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



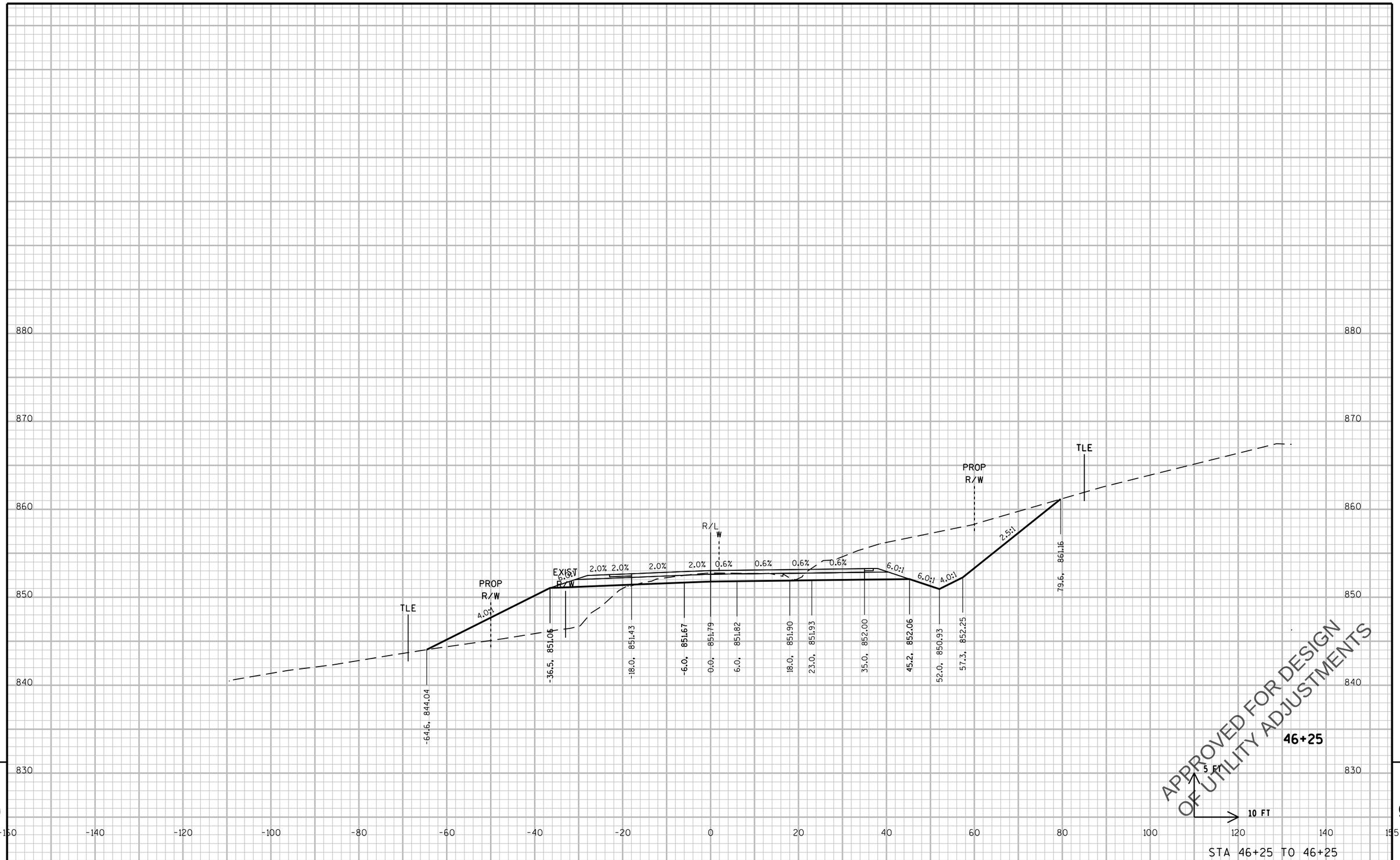
STA 46+00 TO 46+00

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: SUNSET DRIVE	SHEET	E

PRE_666

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090303_XS_SUN.dgn PLOT DATE : 4/11/2016 10:13:19 AM PLOT BY : dbaumann PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



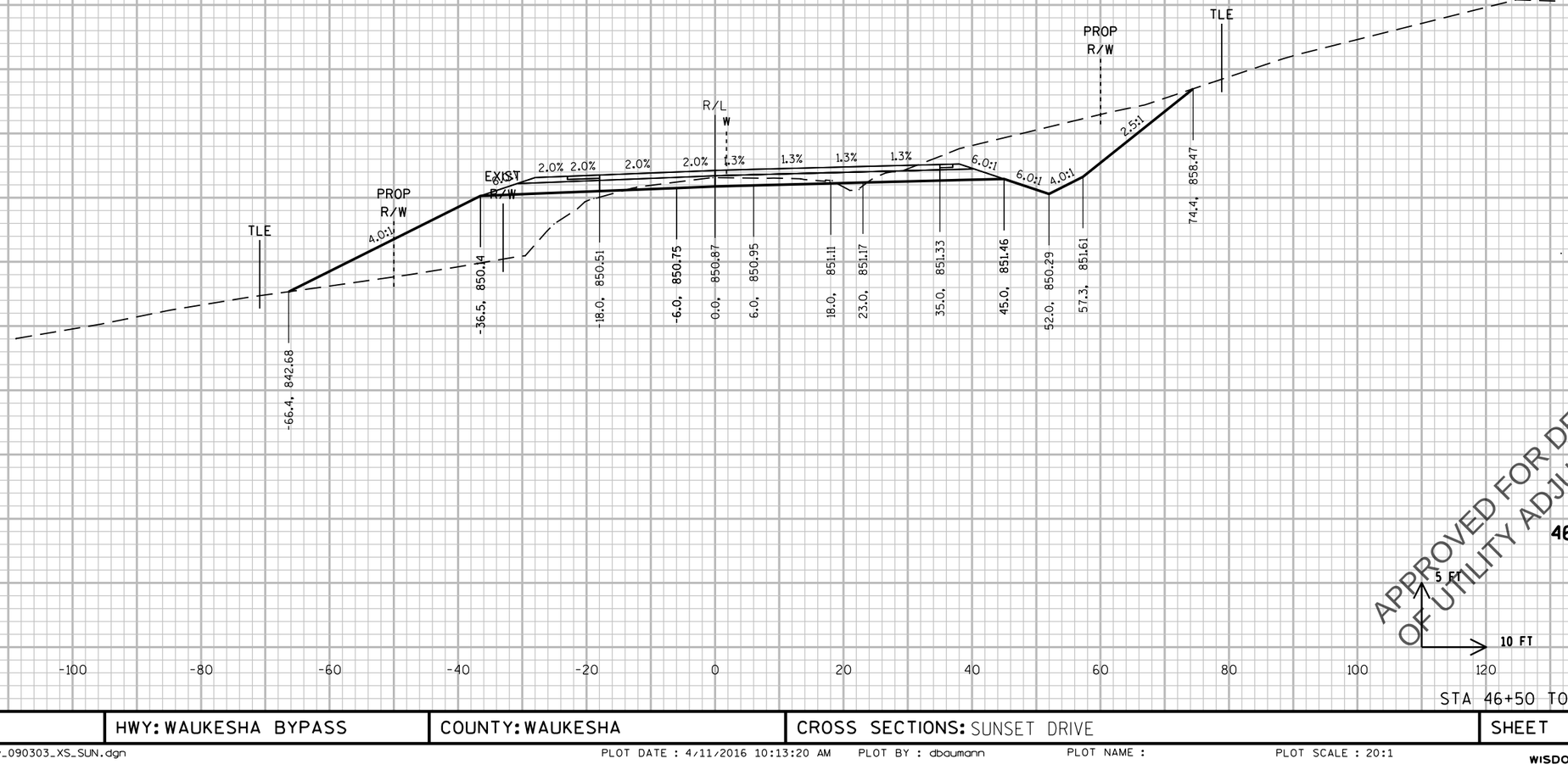
STA 46+25 TO 46+25

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: SUNSET DRIVE	SHEET E

PRE_667

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090303_XS_SUN.dgn PLOT DATE : 4/11/2016 10:13:20 AM PLOT BY : dbaumann PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS

46+50

5 FT

10 FT

STA 46+50 TO 46+50

9

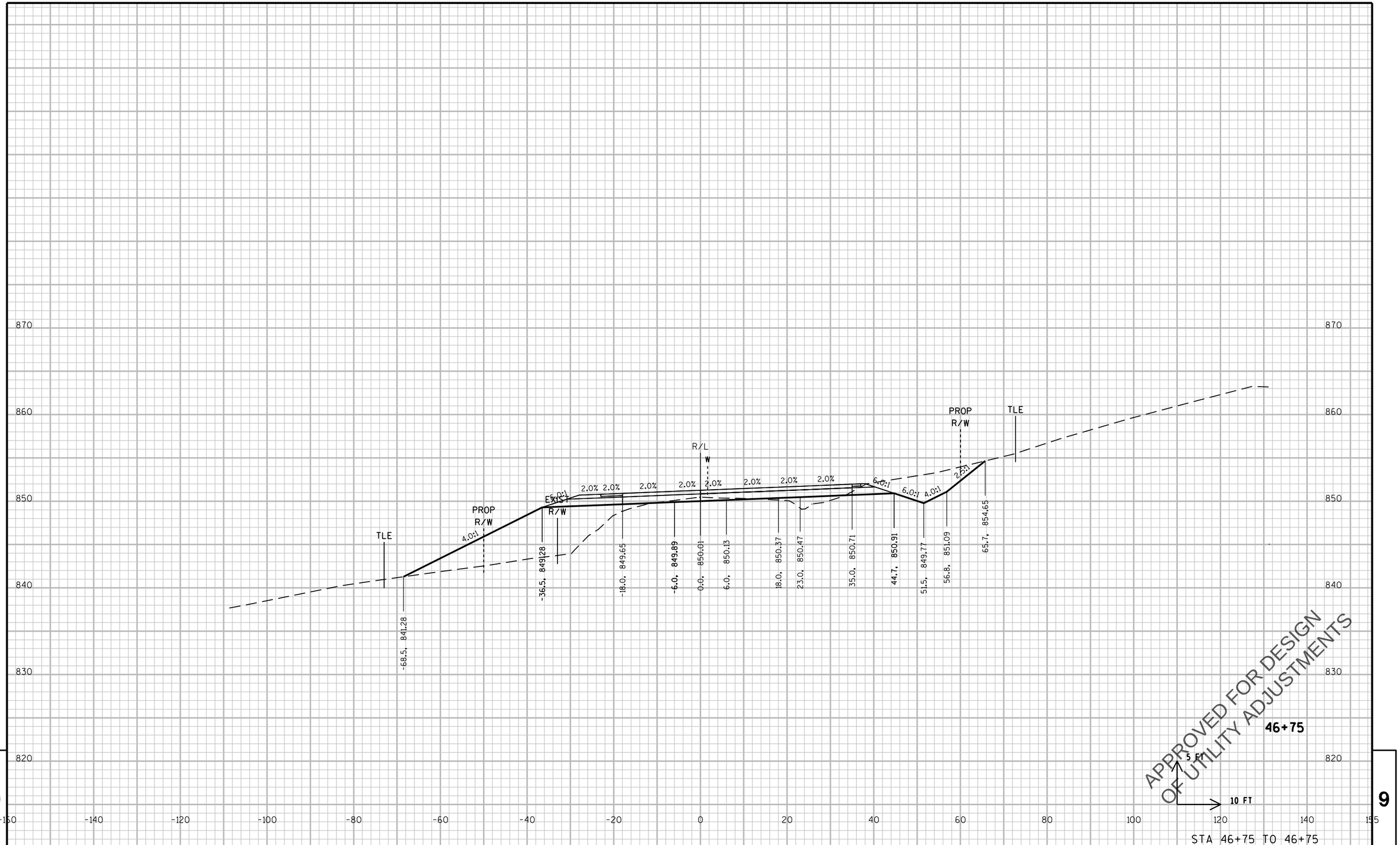
9

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: SUNSET DRIVE	SHEET	E

PRE_668

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090303_XS_SUN.dgn PLOT DATE : 4/11/2016 10:13:20 AM PLOT BY : dbaumann PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



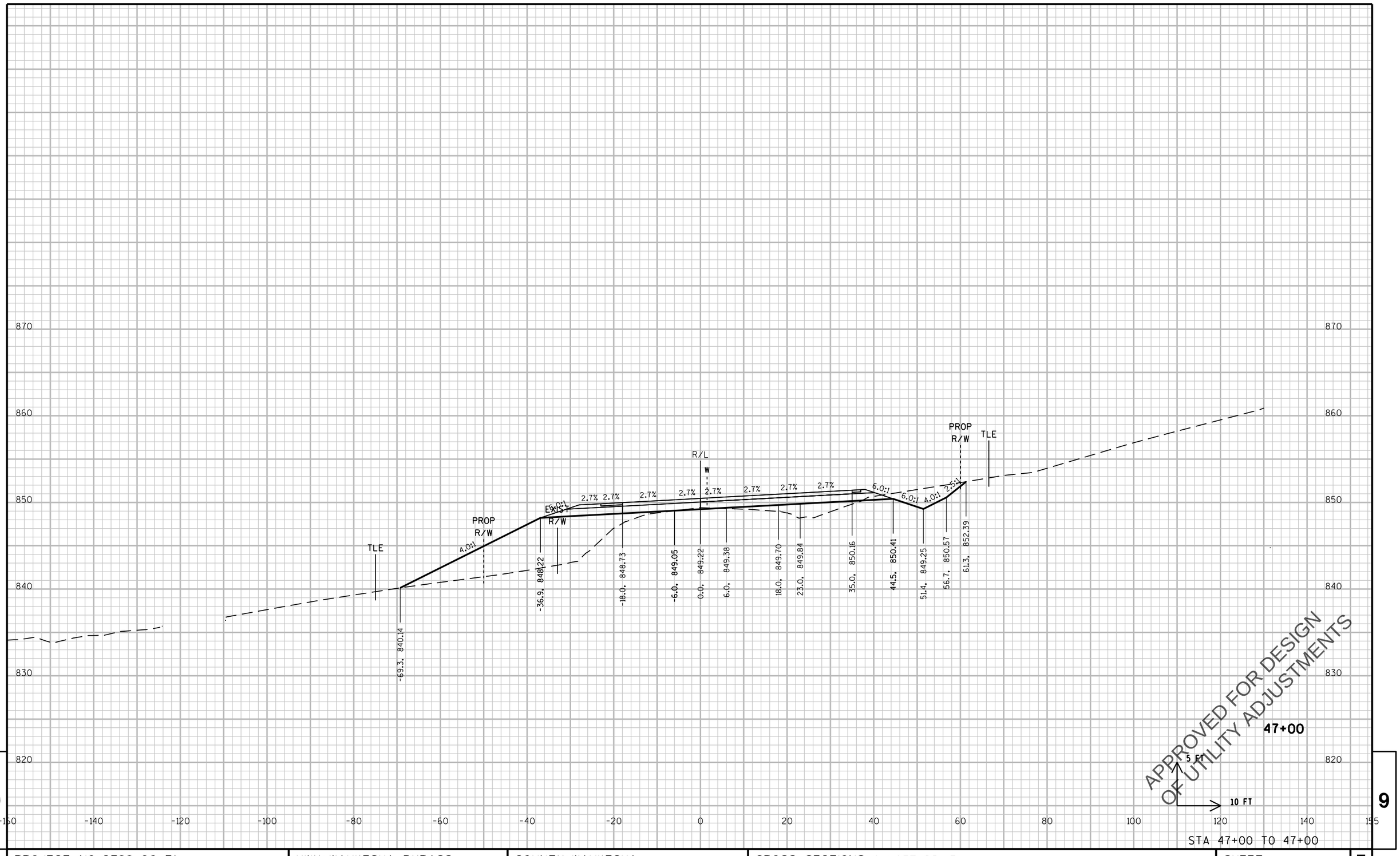
STA 46+75 TO 46+75

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: SUNSET DRIVE	SHEET	E

PRE_669

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090303_XS_SUN.dgn PLOT DATE : 4/11/2016 10:13:21 AM PLOT BY : dbaumann PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

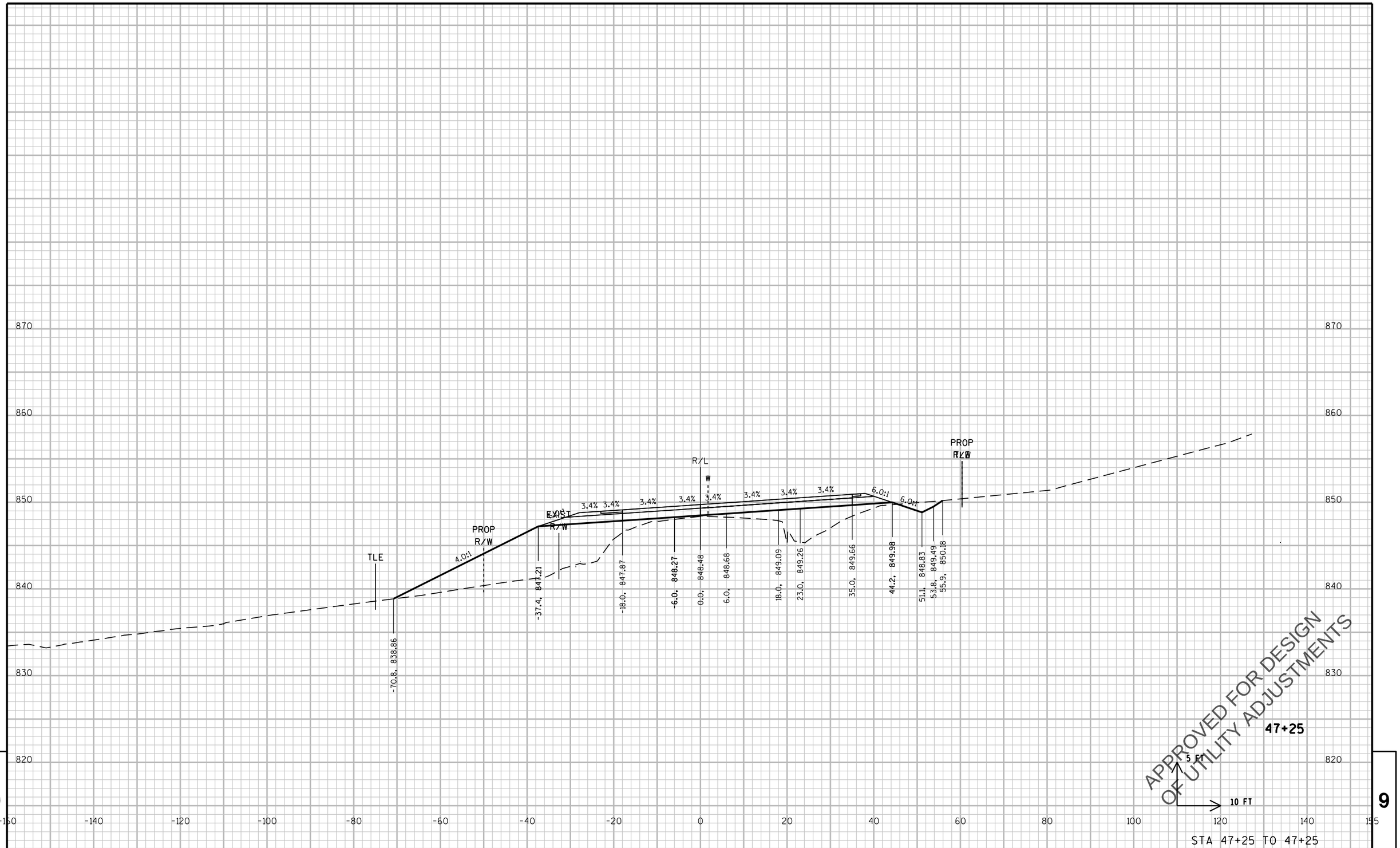


PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: SUNSET DRIVE	SHEET E

PRE_670

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090303_XS_SUN.dgn PLOT DATE : 4/11/2016 10:13:21 AM PLOT BY : dbaumann PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



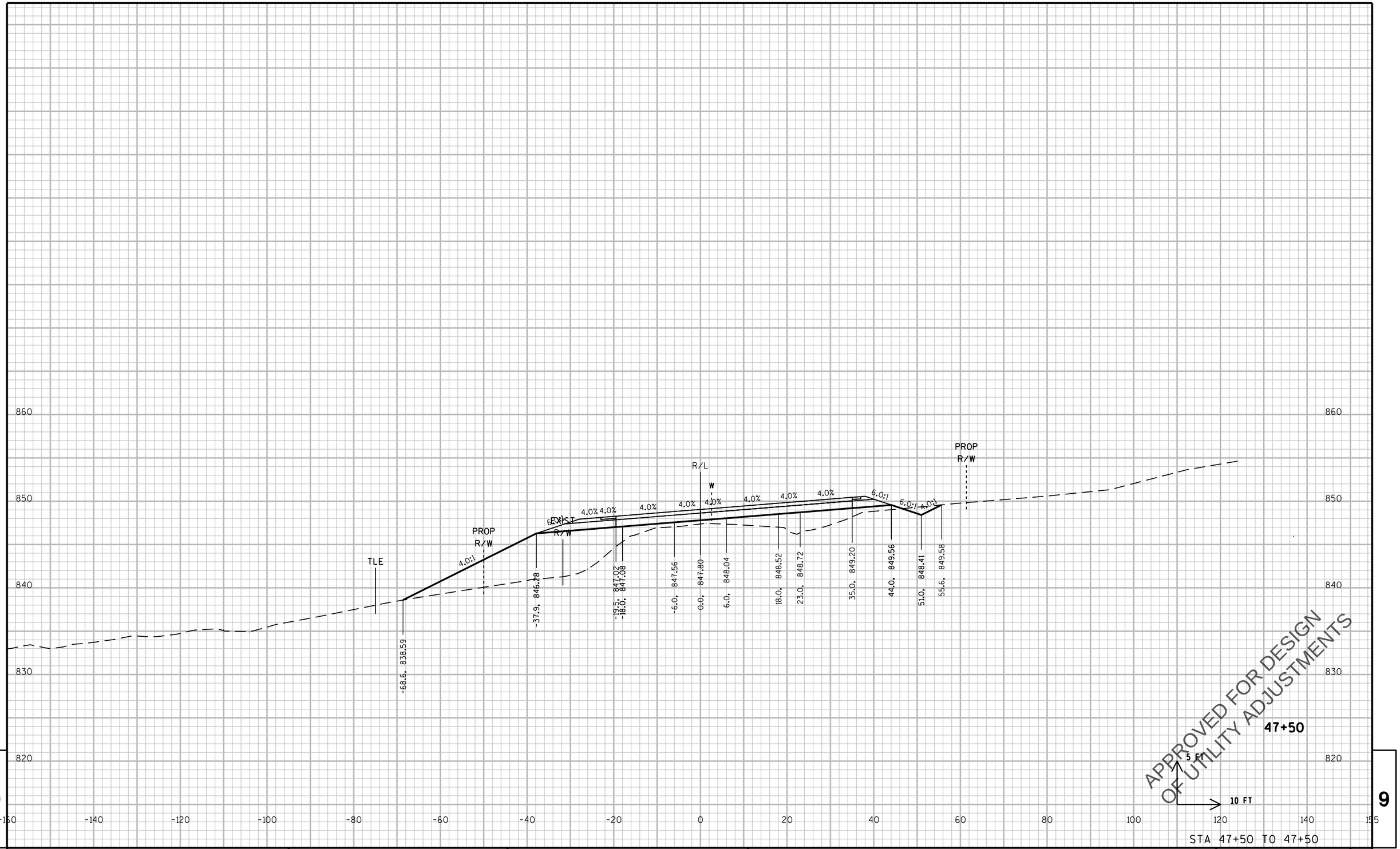
9 9

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: SUNSET DRIVE	SHEET E

PRE_671

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090303_XS_SUN.dgn PLOT DATE : 4/11/2016 10:13:22 AM PLOT BY : dbaumann PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



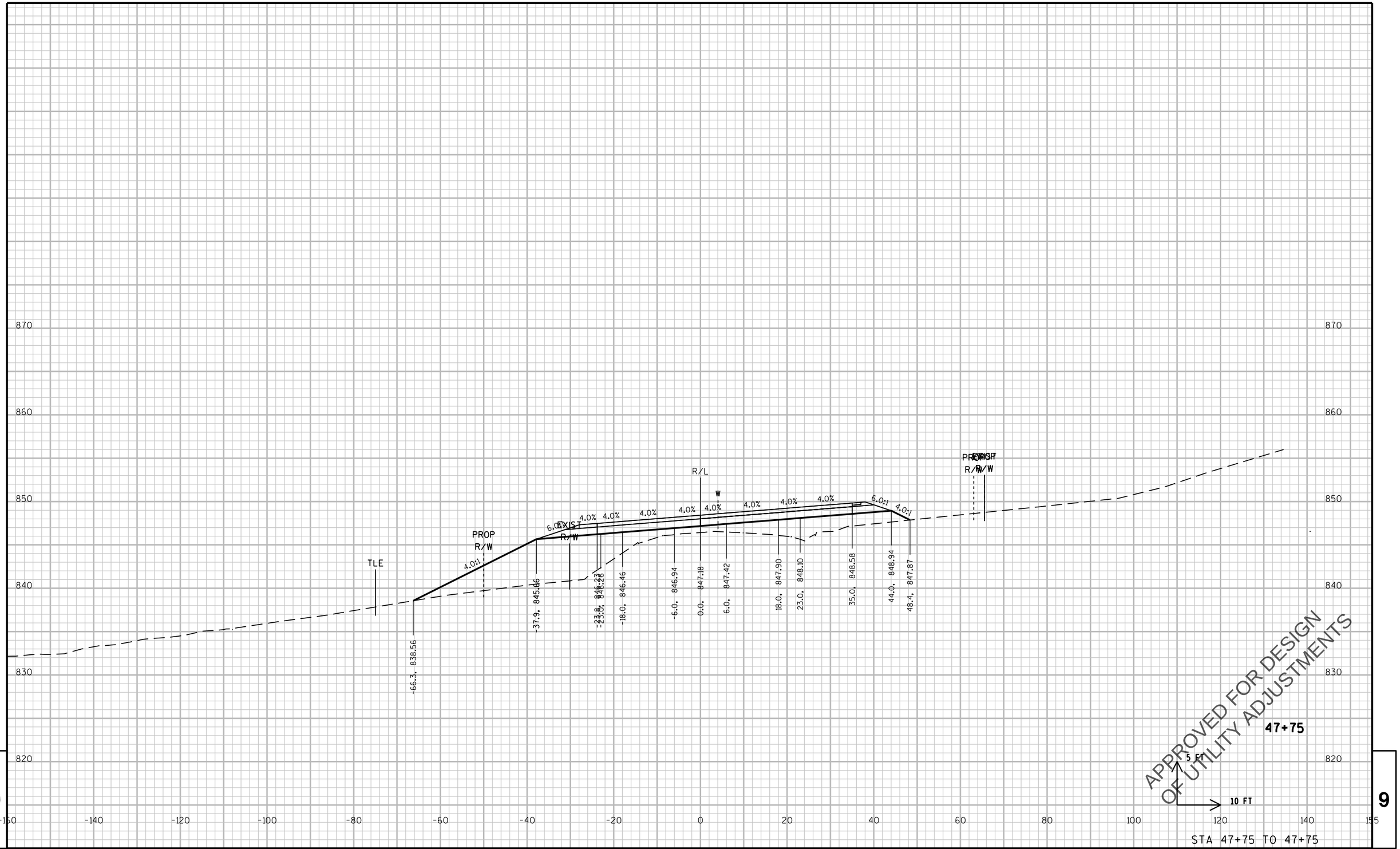
STA 47+50 TO 47+50

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: SUNSET DRIVE	SHEET E

PRE_672

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090303_XS_SUN.dgn PLOT DATE : 4/11/2016 10:13:22 AM PLOT BY : dbaumann PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

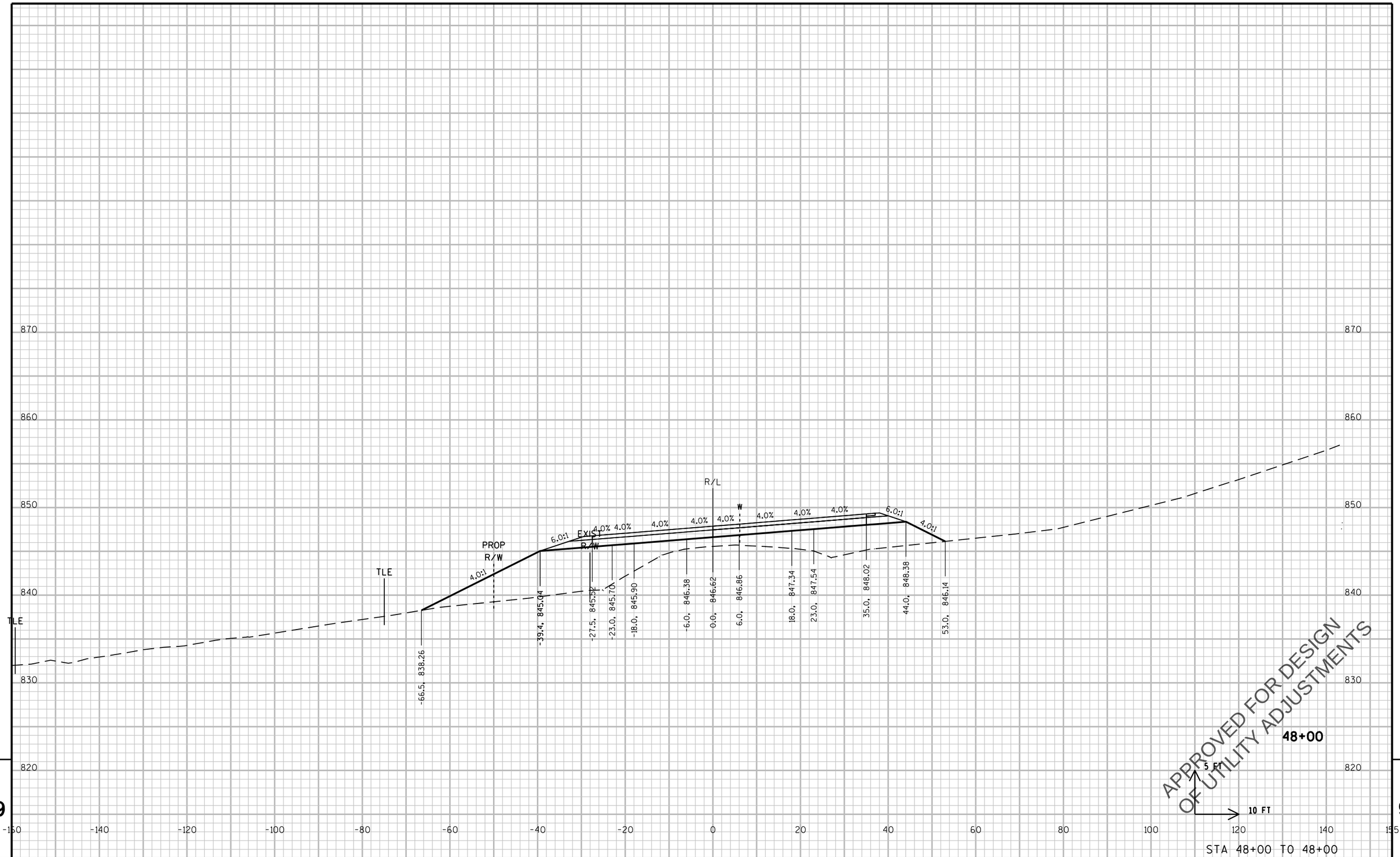


PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: SUNSET DRIVE	SHEET E

PRE_673

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090303_XS_SUN.dgn PLOT DATE : 4/11/2016 10:13:23 AM PLOT BY : dbaumann PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



STA 48+00 TO 48+00

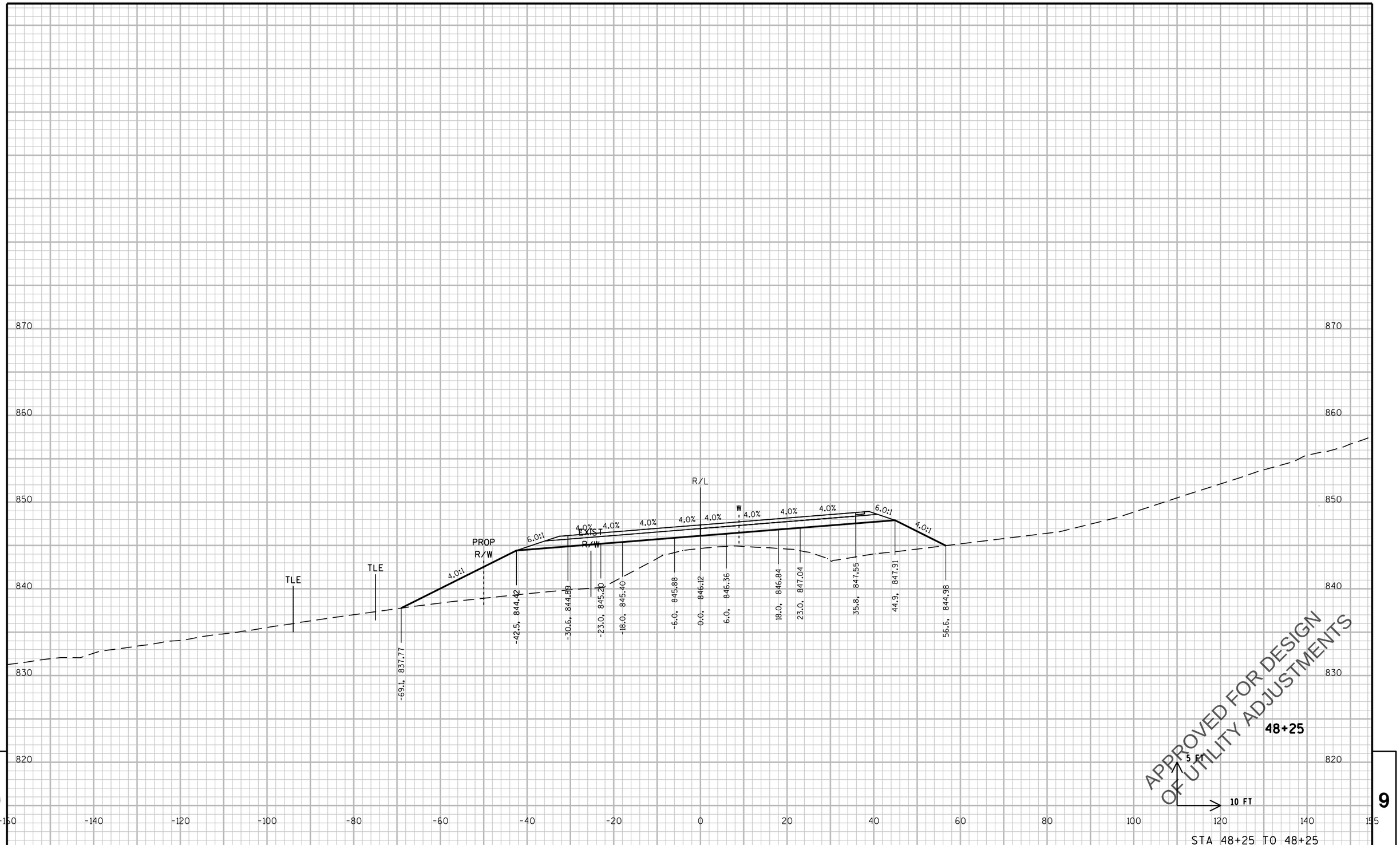
9 9

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: SUNSET DRIVE	SHEET E

PRE_674

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090303_XS_SUN.dgn PLOT DATE : 4/11/2016 10:13:23 AM PLOT BY : dbaumann PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



9

9

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: SUNSET DRIVE	SHEET E

PRE_675

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090303_XS_SUN.dgn PLOT DATE : 4/11/2016 10:13:23 AM PLOT BY : dbaumann PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

870
860
850
840
830
820

PROP R/W

PROP R/W

EXIST R/W

R/L

3.3% 3.3% 3.3% 3.3% 3.3% 3.3%

-23.0, 844.91
-18.0, 845.08
-6.0, 845.48
0.0, 845.68
6.0, 845.88
18.0, 846.28
23.0, 846.44

APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS

48+50

5 FT
10 FT

-160 -140 -120 -100 -80 -60 -40 -20 0 20 40 60 80 100 120 140 155

STA 48+50 TO 48+50

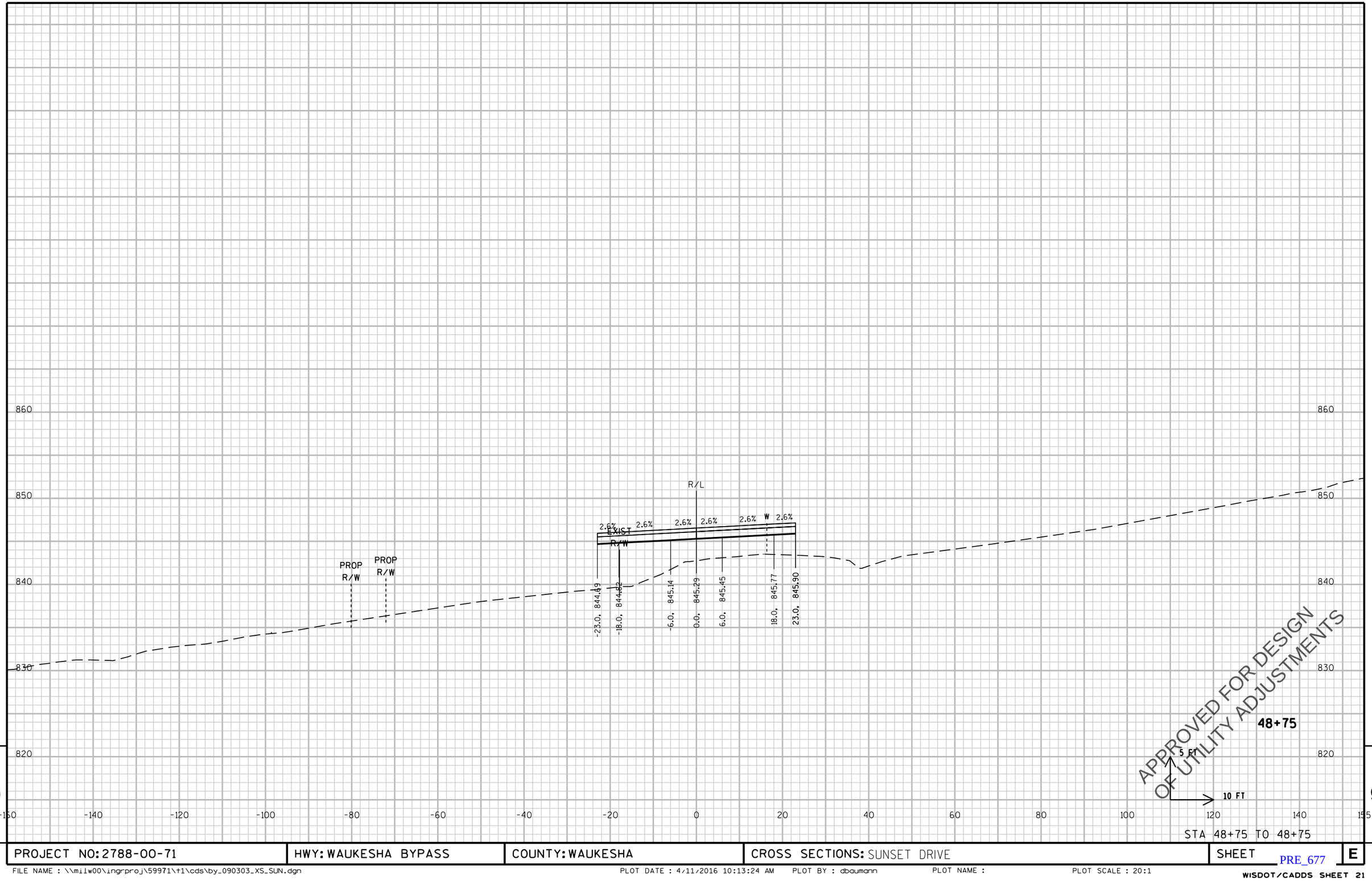
9

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: SUNSET DRIVE	SHEET E

PRE_676

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090303_XS_SUN.dgn PLOT DATE : 4/11/2016 10:13:24 AM PLOT BY : dbaumann PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



9

9

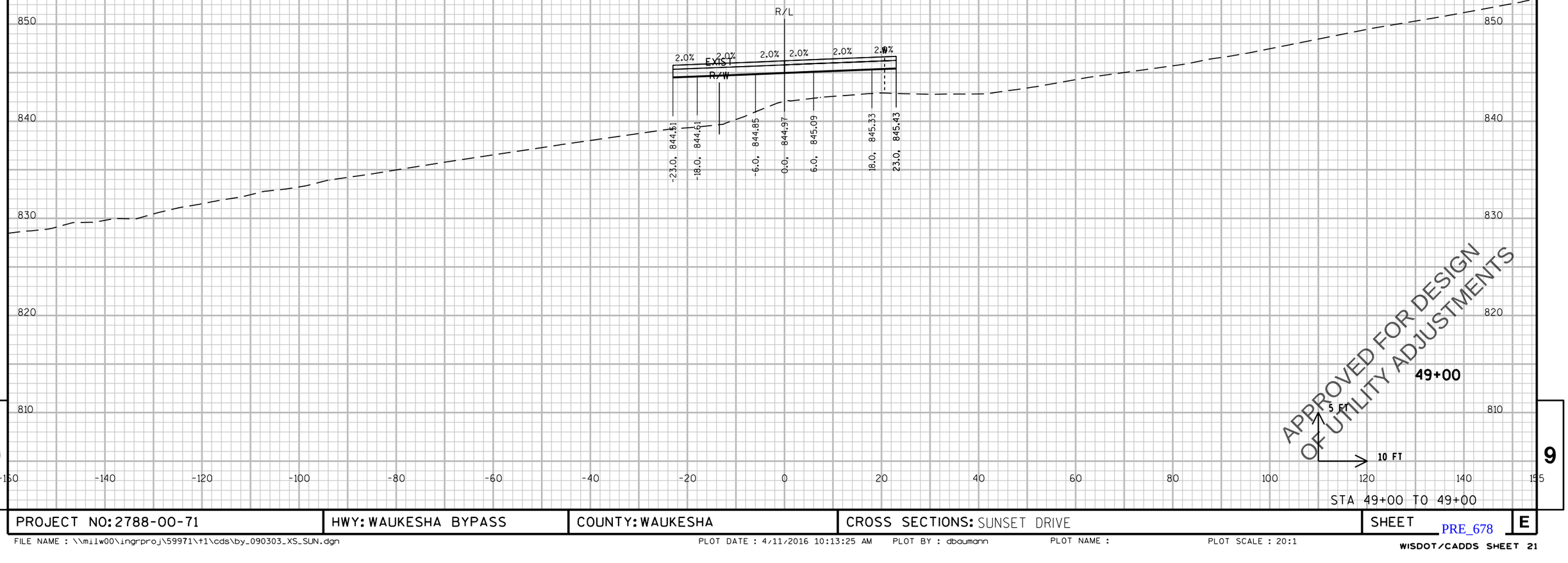
STA 48+75 TO 48+75

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: SUNSET DRIVE	SHEET E

PRE_677

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090303_XS_SUN.dgn PLOT DATE : 4/11/2016 10:13:24 AM PLOT BY : dbaumann PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



9

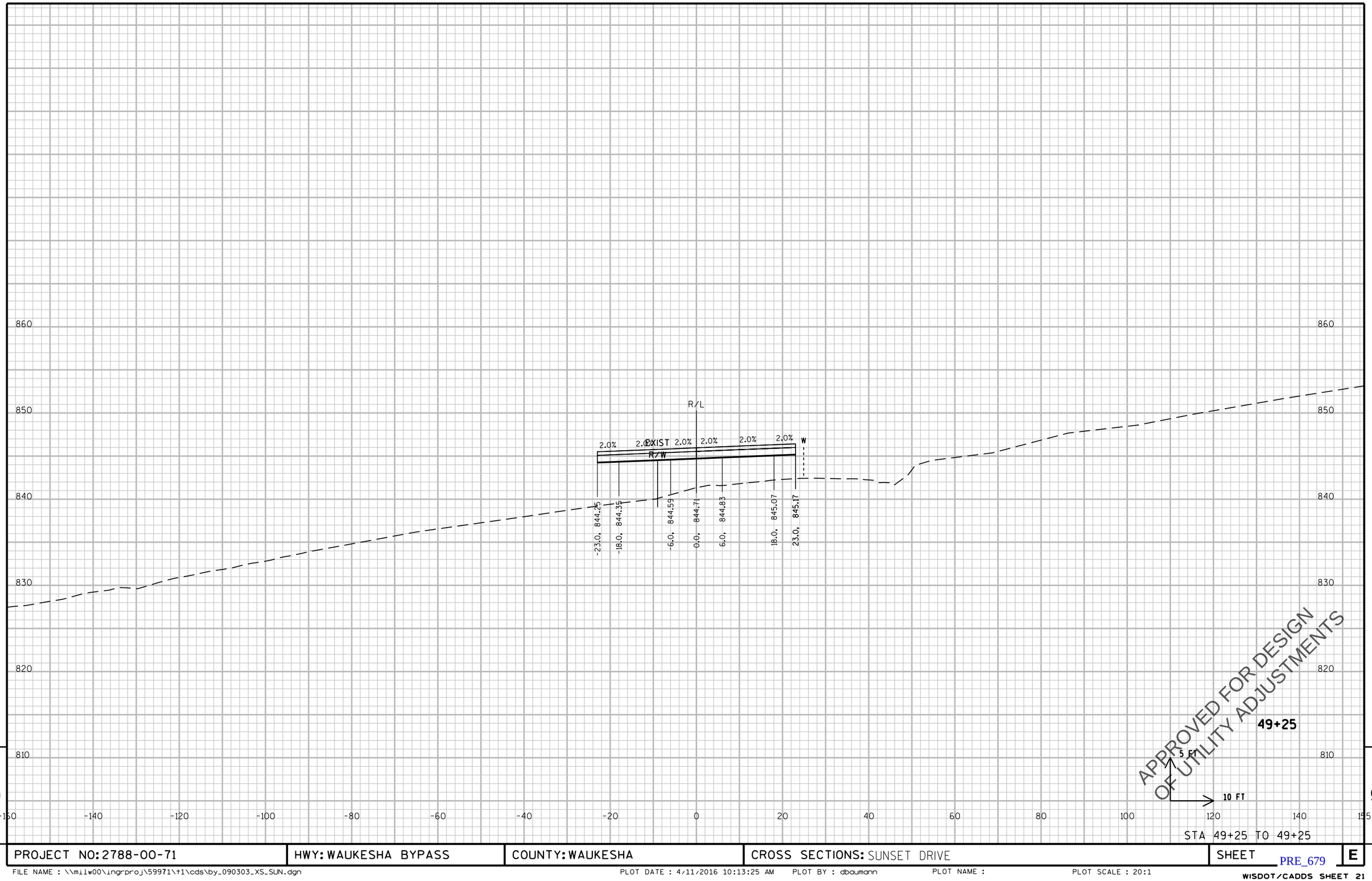
9

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: SUNSET DRIVE	SHEET	E

PRE_678

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090303_XS_SUN.dgn PLOT DATE : 4/11/2016 10:13:25 AM PLOT BY : dbaumann PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



9

9

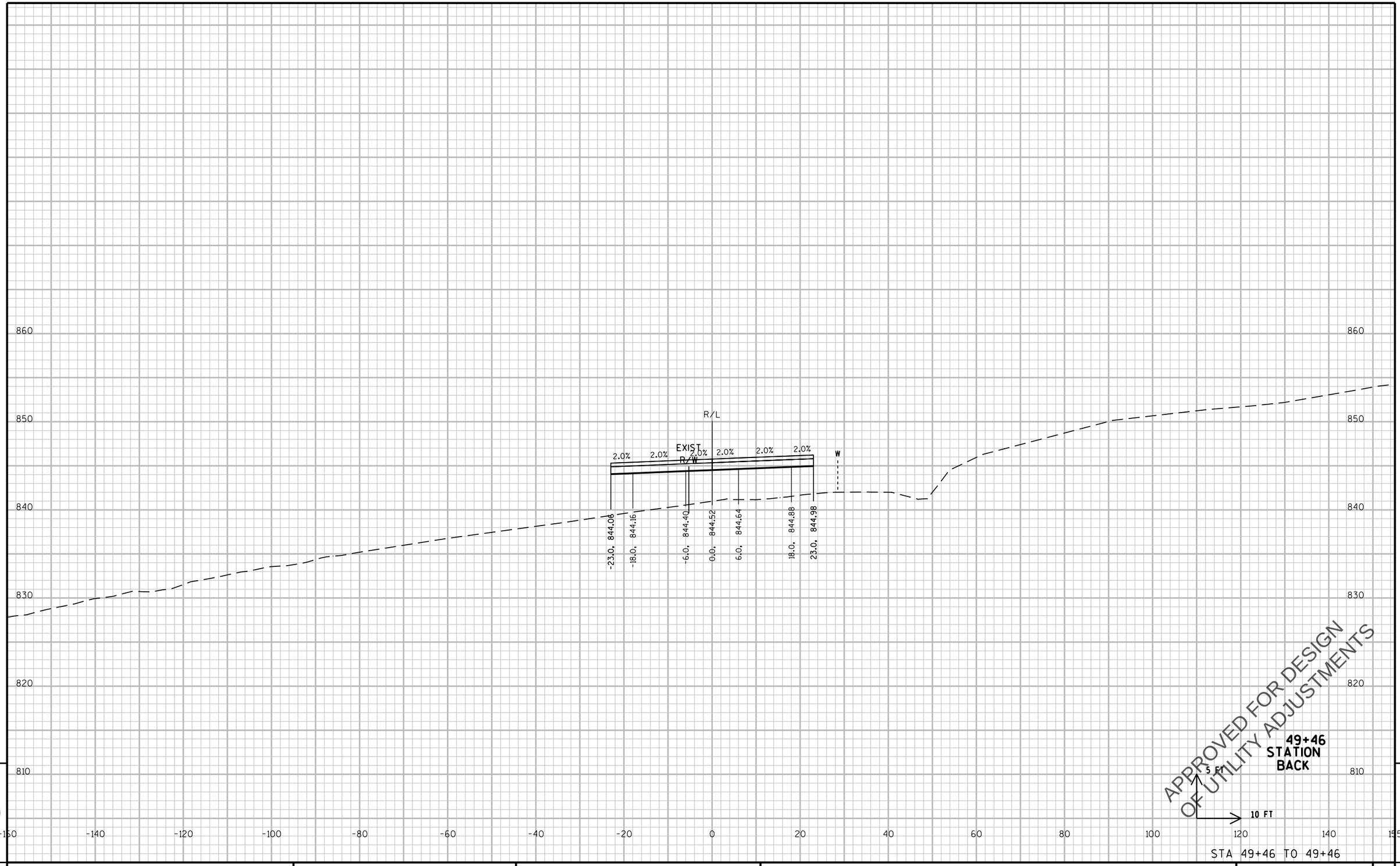
STA 49+25 TO 49+25

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: SUNSET DRIVE	SHEET E

PRE_679

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090303_XS_SUN.dgn PLOT DATE : 4/11/2016 10:13:25 AM PLOT BY : dbaumann PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



STA 49+46 TO 49+46

9

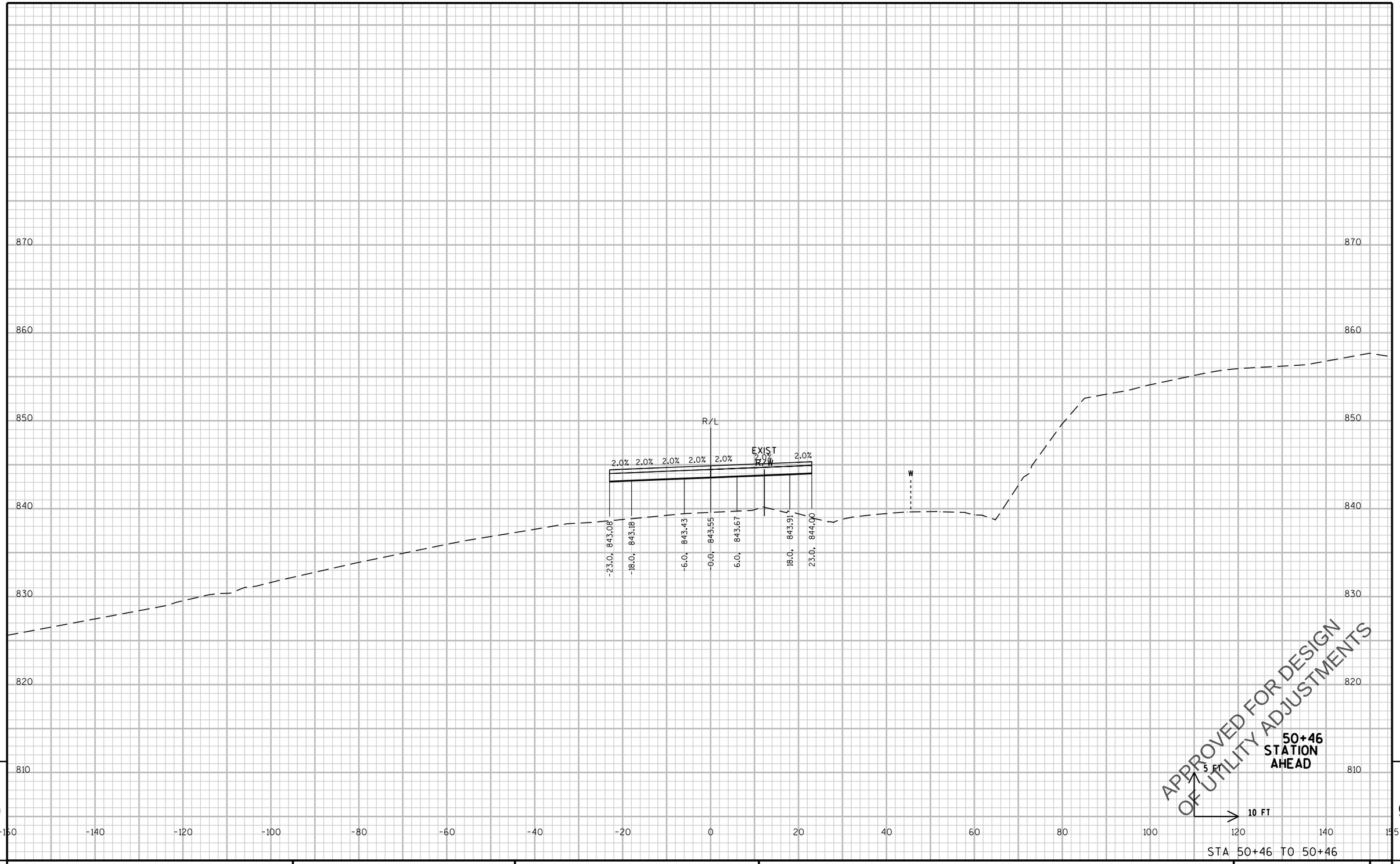
9

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: SUNSET DRIVE	SHEET	E

PRE_680

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090303_XS_SUN.dgn PLOT DATE : 4/11/2016 10:13:26 AM PLOT BY : dbaumann PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

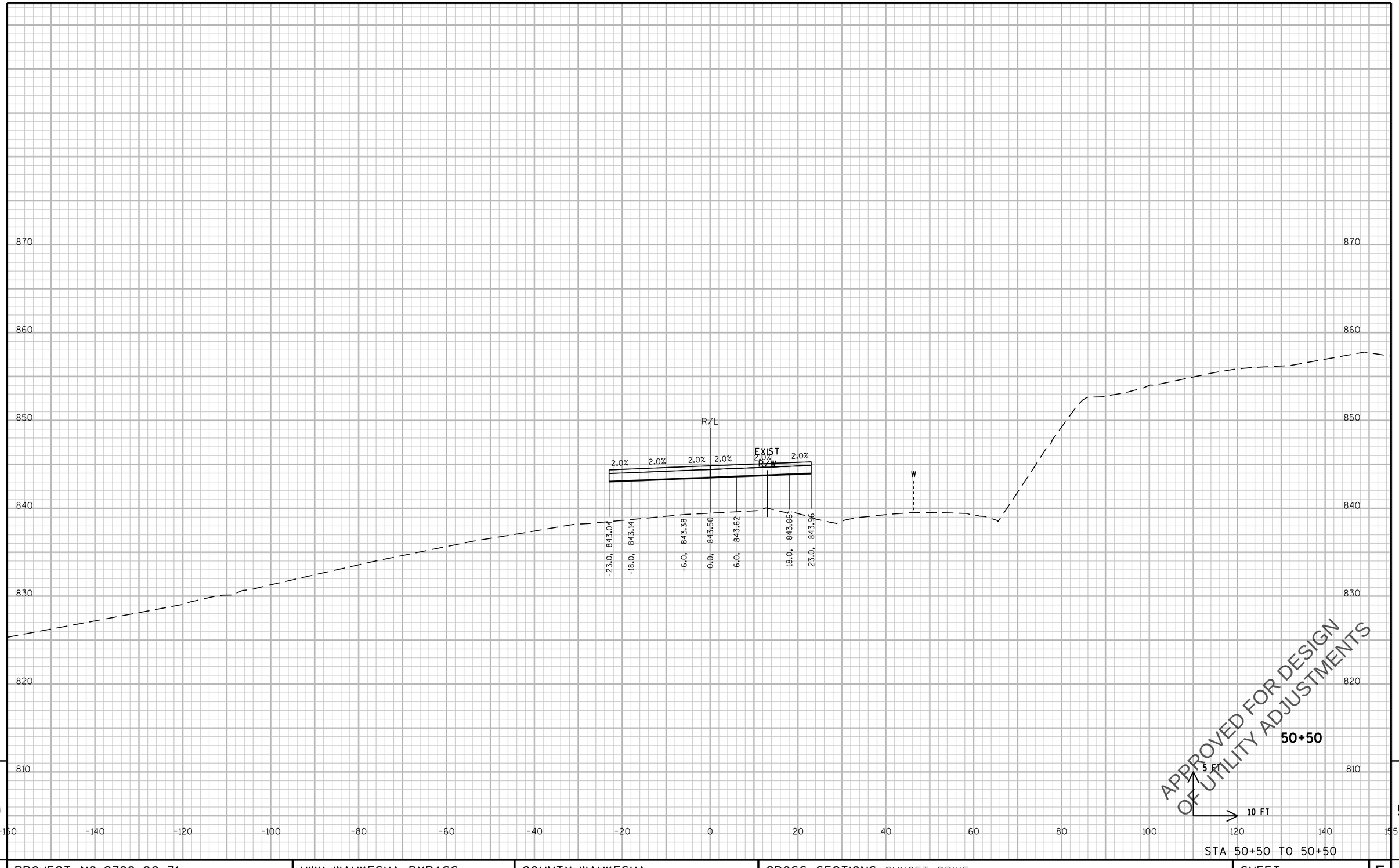


PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: SUNSET DRIVE	SHEET E

PRE_681

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090303_XS_SUN.dgn PLOT DATE : 4/11/2016 10:13:26 AM PLOT BY : dbaumann PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



STA 50+50 TO 50+50

9

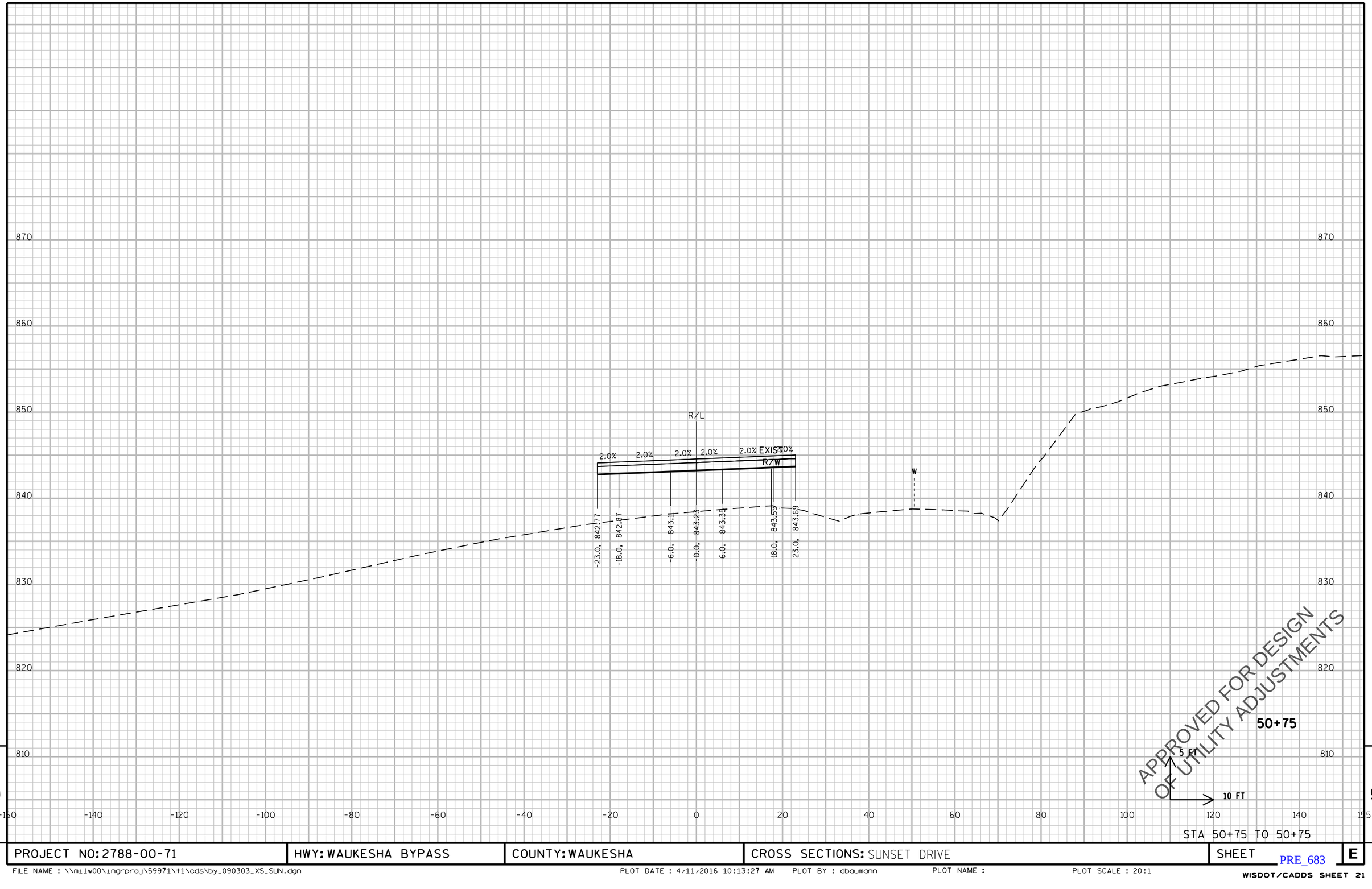
9

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: SUNSET DRIVE	SHEET E

PRE_682

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090303_XS_SUN.dgn PLOT DATE : 4/11/2016 10:13:27 AM PLOT BY : dbaumann PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



9

9

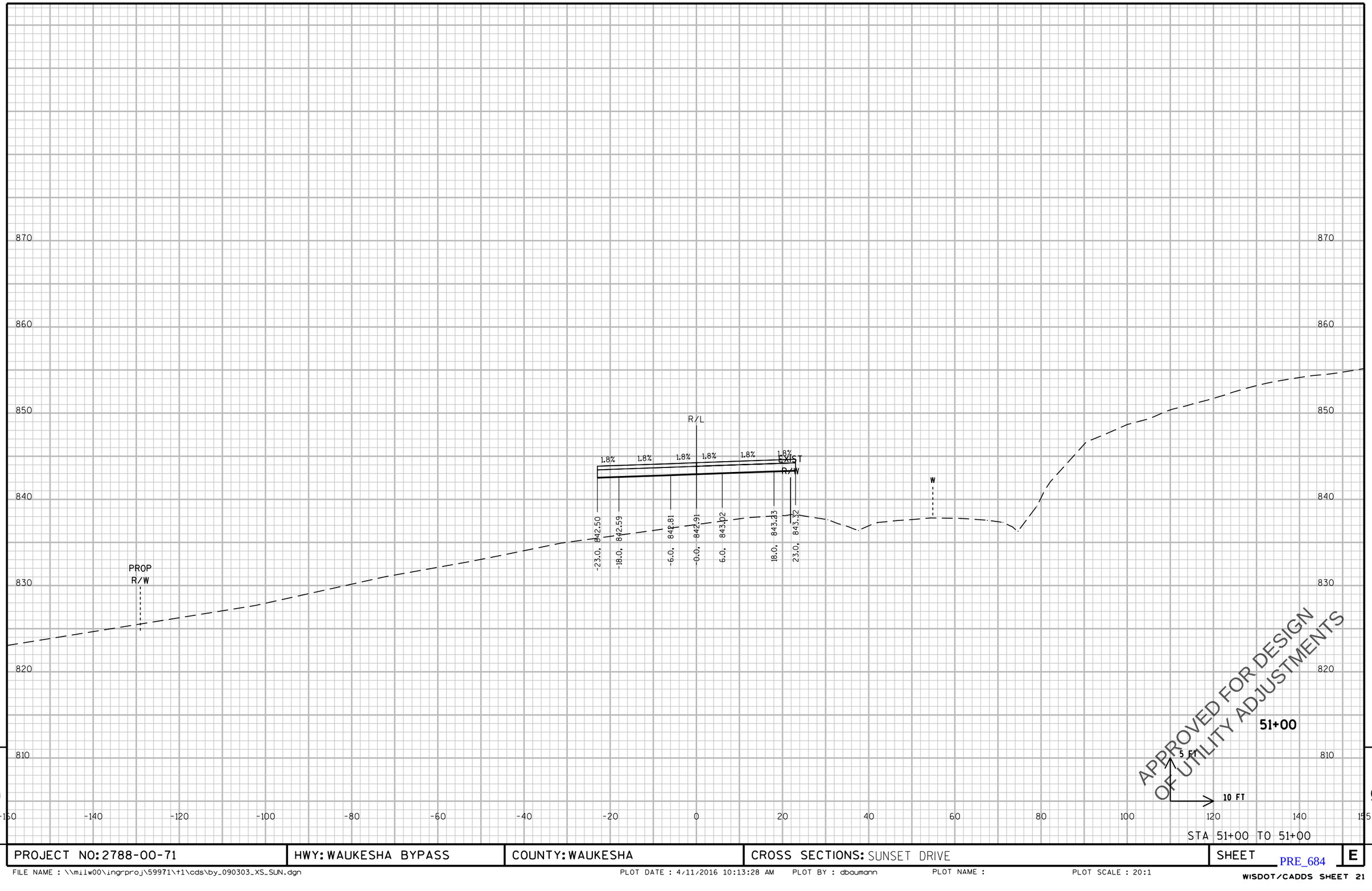
STA 50+75 TO 50+75

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: SUNSET DRIVE	SHEET E

PRE_683

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090303_XS_SUN.dgn PLOT DATE : 4/11/2016 10:13:27 AM PLOT BY : dbaumann PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



STA 51+00 TO 51+00

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: SUNSET DRIVE	SHEET	E

PRE_684

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090303_XS_SUN.dgn PLOT DATE : 4/11/2016 10:13:28 AM PLOT BY : dbaumann PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

860
850
840
830
820
810

R/L

1.1% 1.1% 1.1% 1.1% 1.1% 1.1%

EXIST R/W

-23.0, 842.30
-18.0, 842.36
-6.0, 842.49
-0.0, 842.55
6.0, 842.62
18.0, 842.75
23.0, 842.80

TLE

PROP R/W

W

APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS

51+25

5 FT

10 FT

-160 -140 -120 -100 -80 -60 -40 -20 0 20 40 60 80 100 120 140 155

STA 51+25 TO 51+25

9

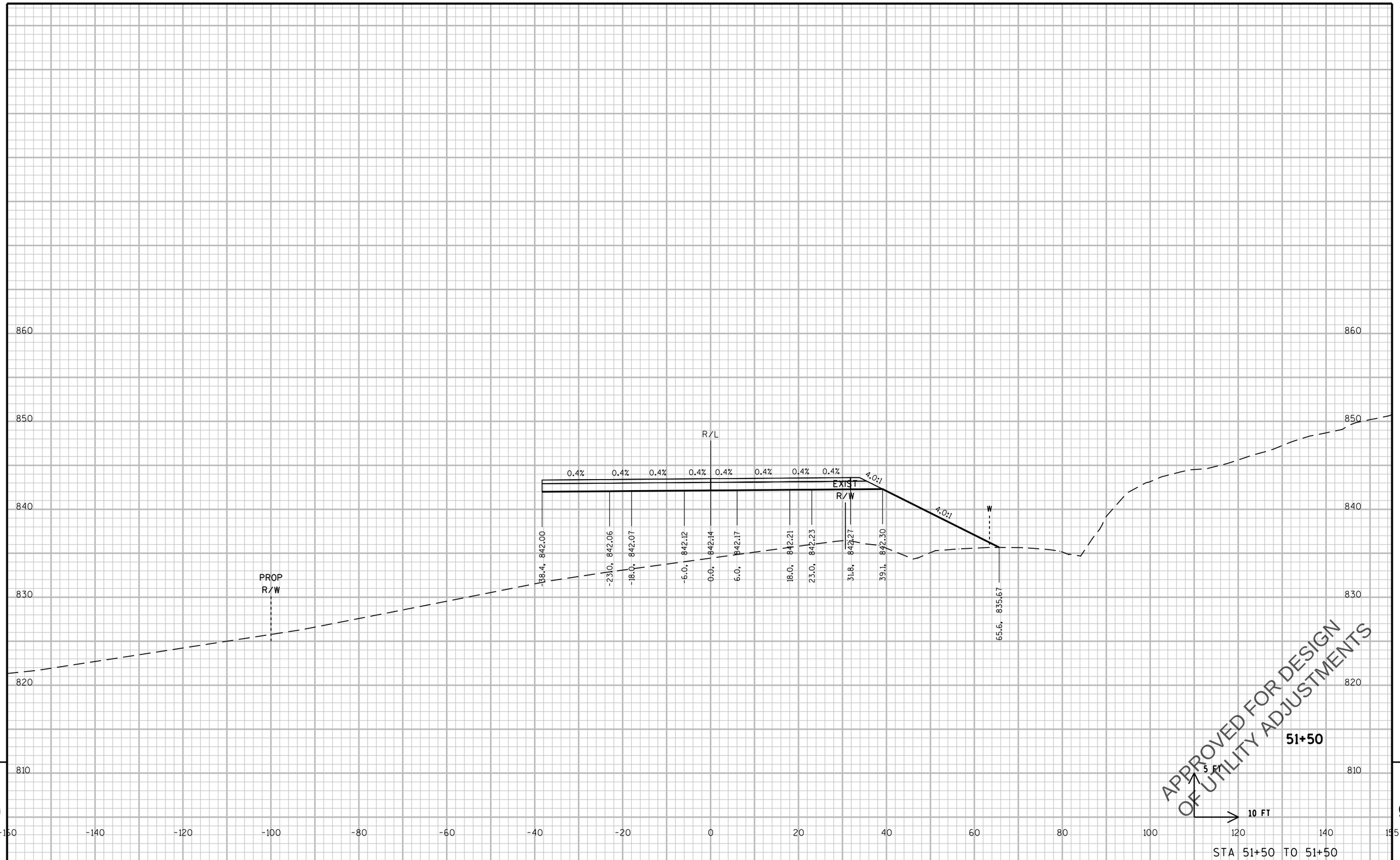
9

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: SUNSET DRIVE	SHEET E

PRE_685

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090303_XS_SUN.dgn PLOT DATE : 4/11/2016 10:13:28 AM PLOT BY : dbaumann PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



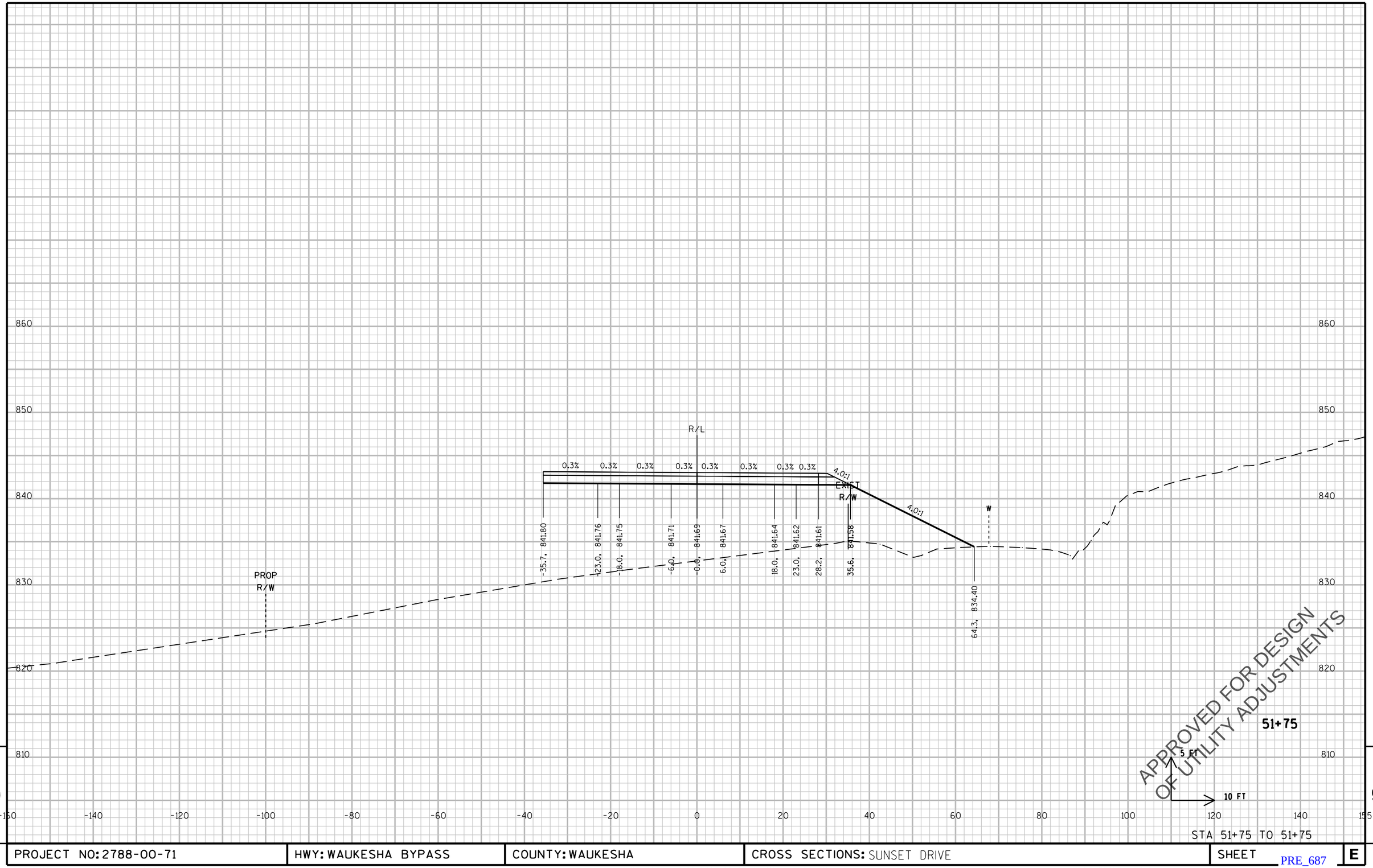
STA 51+50 TO 51+50

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: SUNSET DRIVE	SHEET E

PRE_686

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090303_XS_SUN.dgn PLOT DATE : 4/11/2016 10:13:28 AM PLOT BY : dbaumann PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

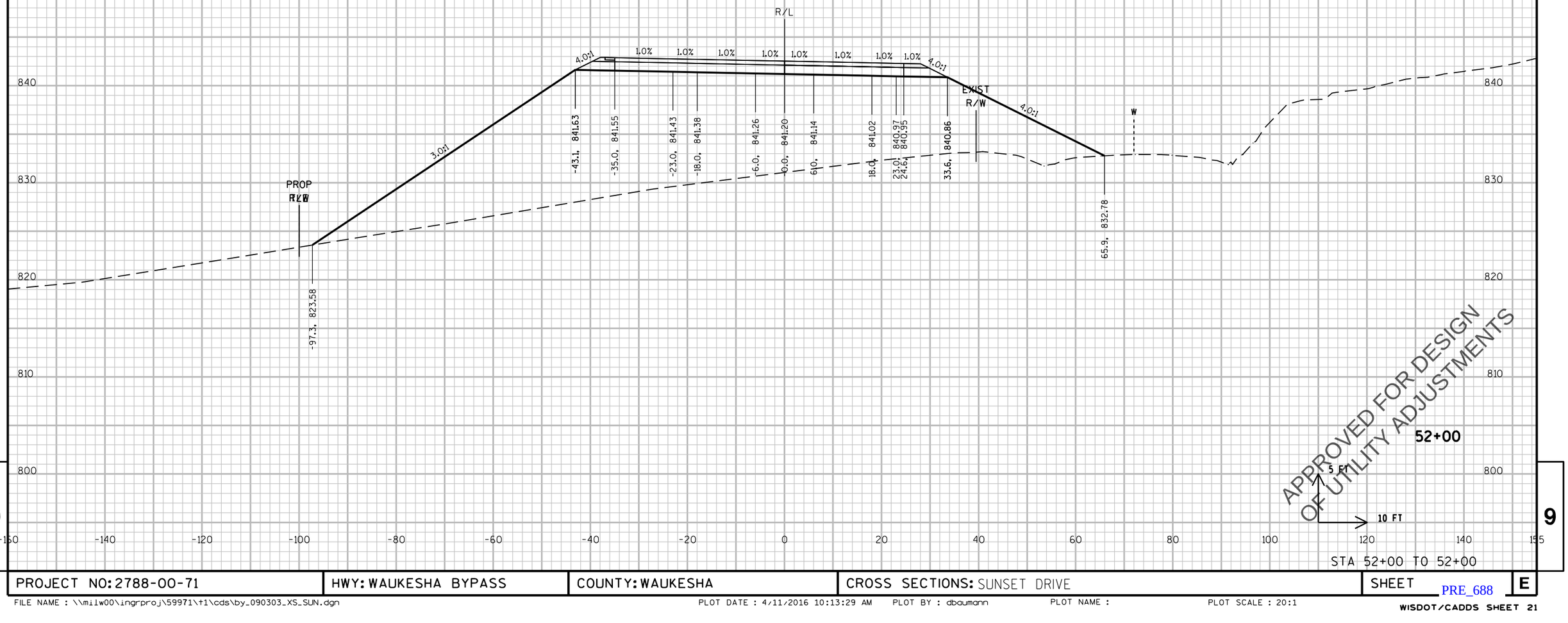


PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: SUNSET DRIVE	SHEET E

PRE_687

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090303_XS_SUN.dgn PLOT DATE : 4/11/2016 10:13:29 AM PLOT BY : dbaumann PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS

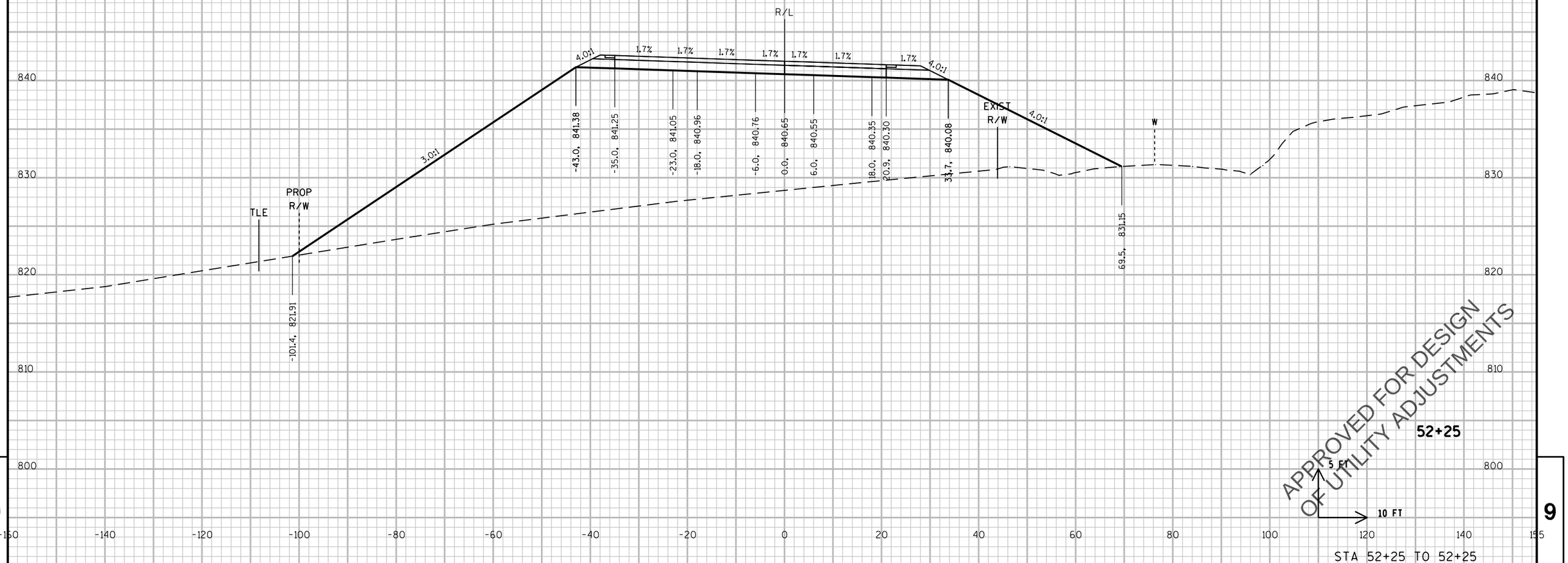
STA 52+00 TO 52+00

9

9

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: SUNSET DRIVE	SHEET	E

PRE_688



APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS

52+25

5 FT

10 FT

STA 52+25 TO 52+25

9

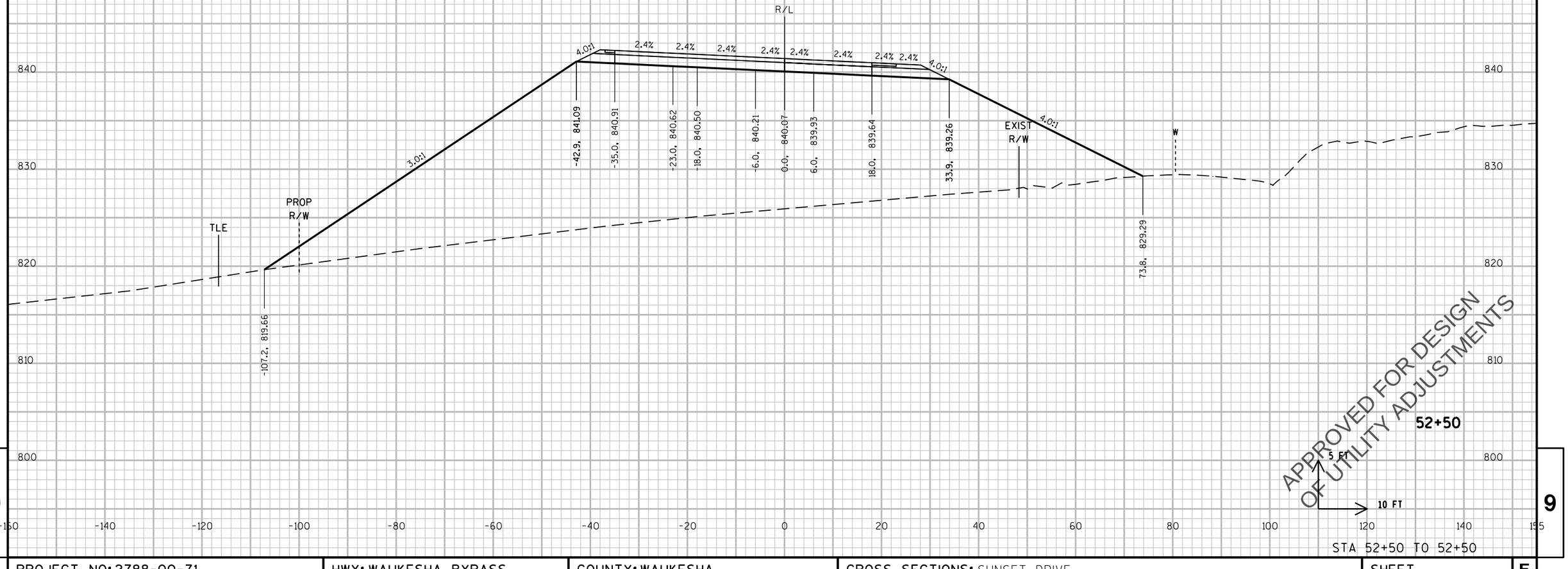
9

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: SUNSET DRIVE	SHEET	E

PRE_689

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090303_XS_SUN.dgn PLOT DATE : 4/11/2016 10:13:30 AM PLOT BY : dbaumann PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



9

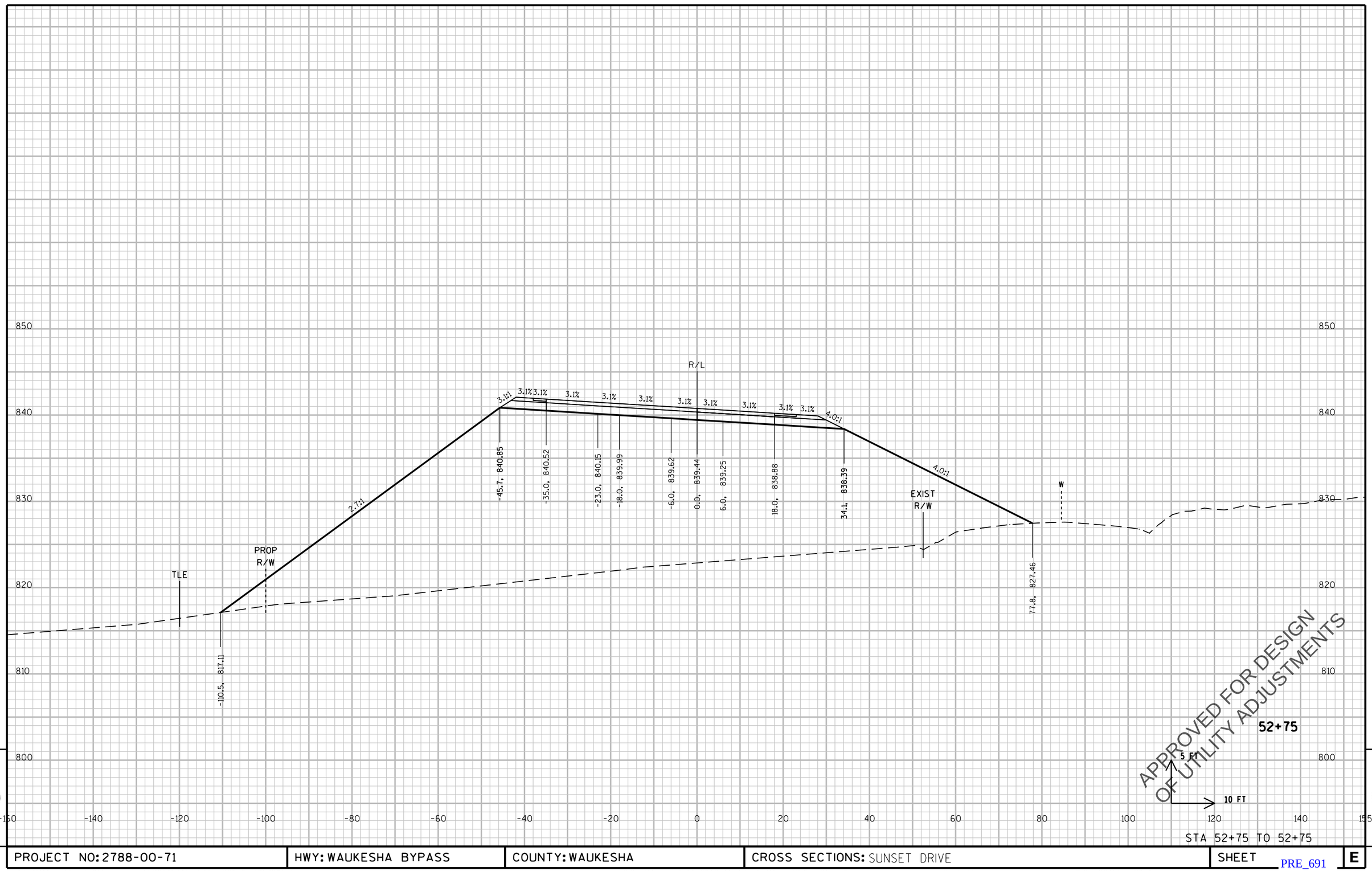
9

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: SUNSET DRIVE	SHEET E

PRE_690

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090303_XS_SUN.dgn PLOT DATE : 4/11/2016 10:13:30 AM PLOT BY : dbaumann PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



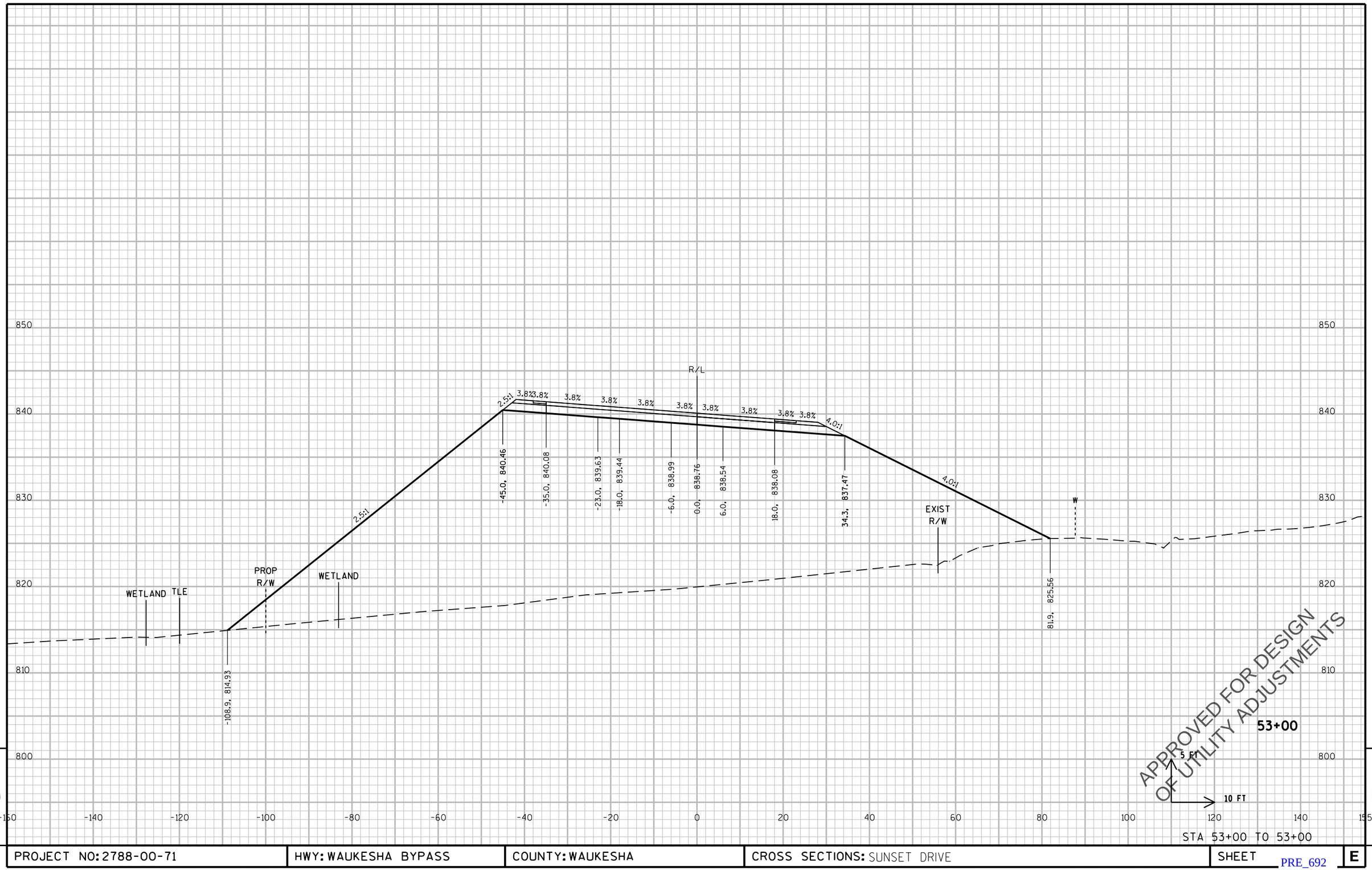
STA 52+75 TO 52+75

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: SUNSET DRIVE	SHEET	E

PRE_691

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090303_XS_SUN.dgn PLOT DATE : 4/11/2016 10:13:31 AM PLOT BY : dbaumann PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



9

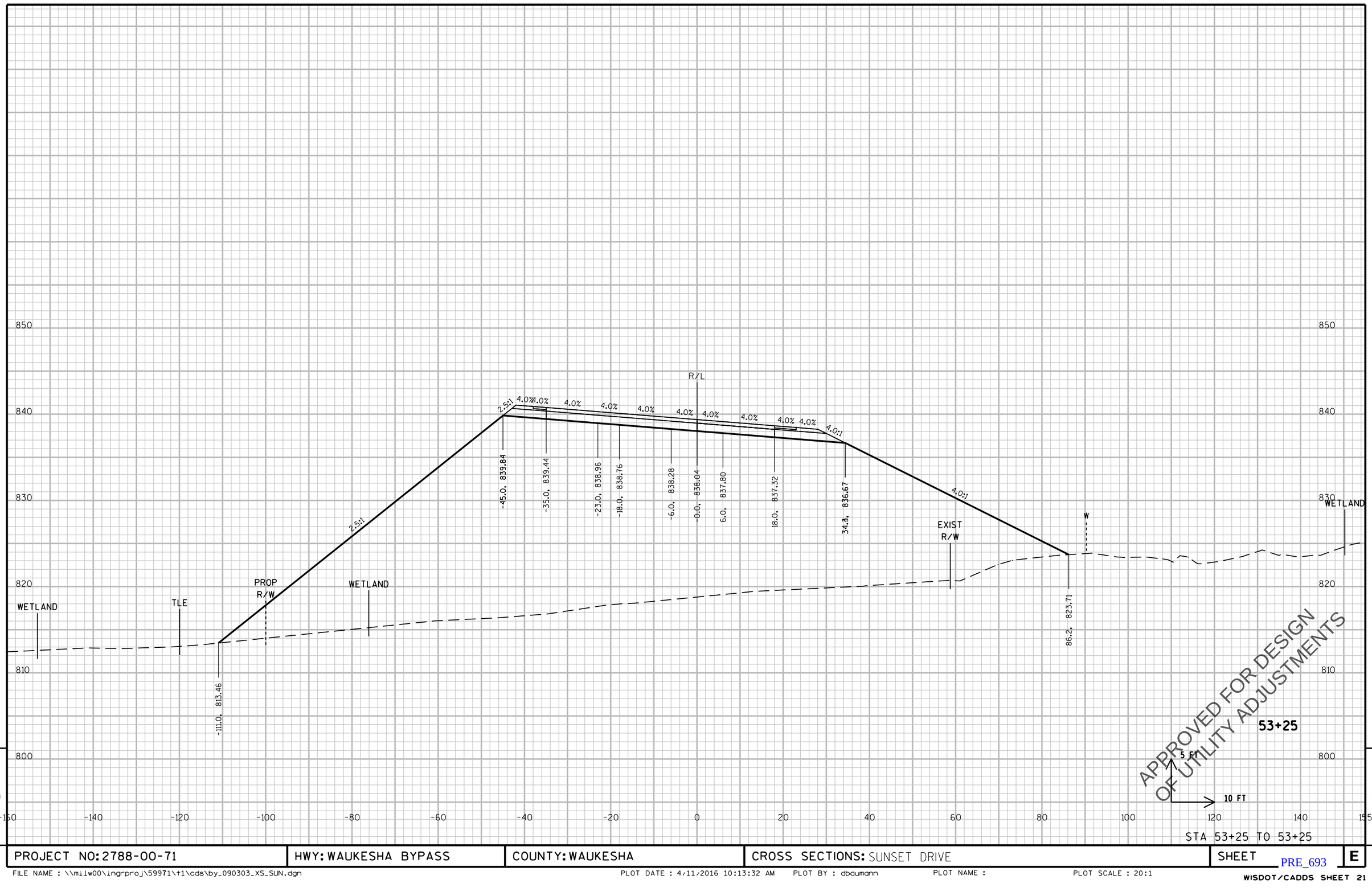
9

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: SUNSET DRIVE	SHEET	E

PRE_692

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090303_XS_SUN.dgn PLOT DATE : 4/11/2016 10:13:31 AM PLOT BY : dbaumann PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



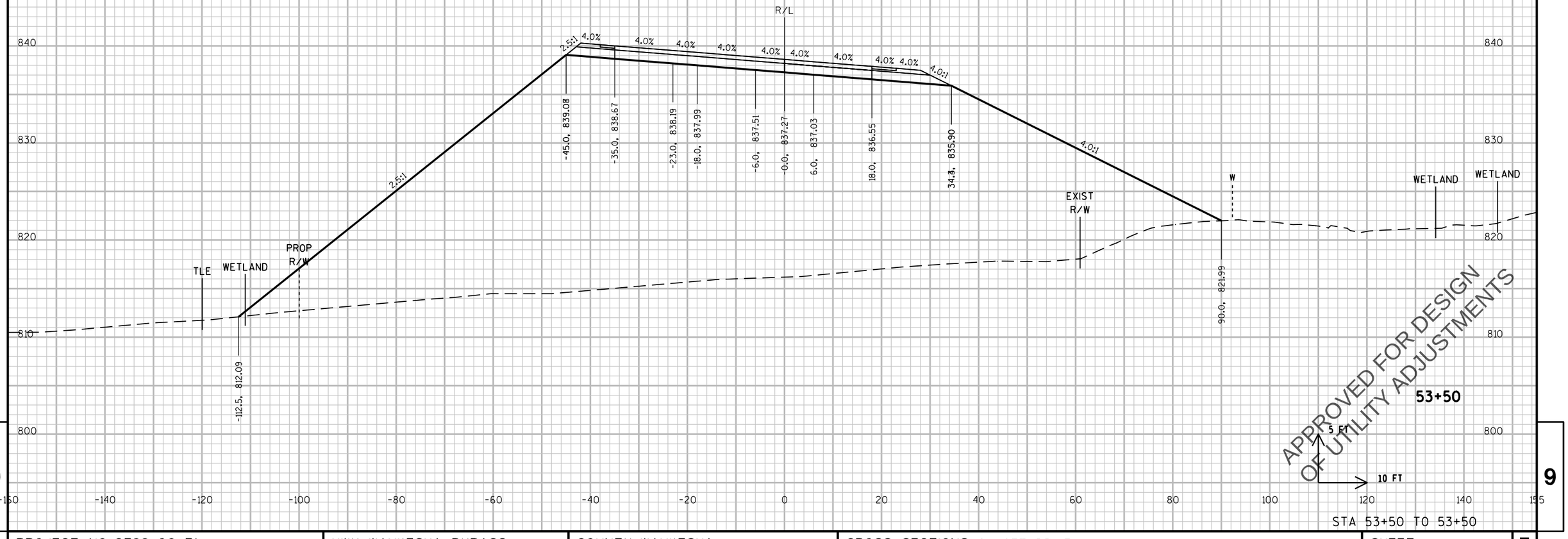
STA 53+25 TO 53+25

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: SUNSET DRIVE	SHEET	E

PRE_693

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090303_XS_SUN.dgn PLOT DATE : 4/11/2016 10:13:32 AM PLOT BY : dbaumann PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



9

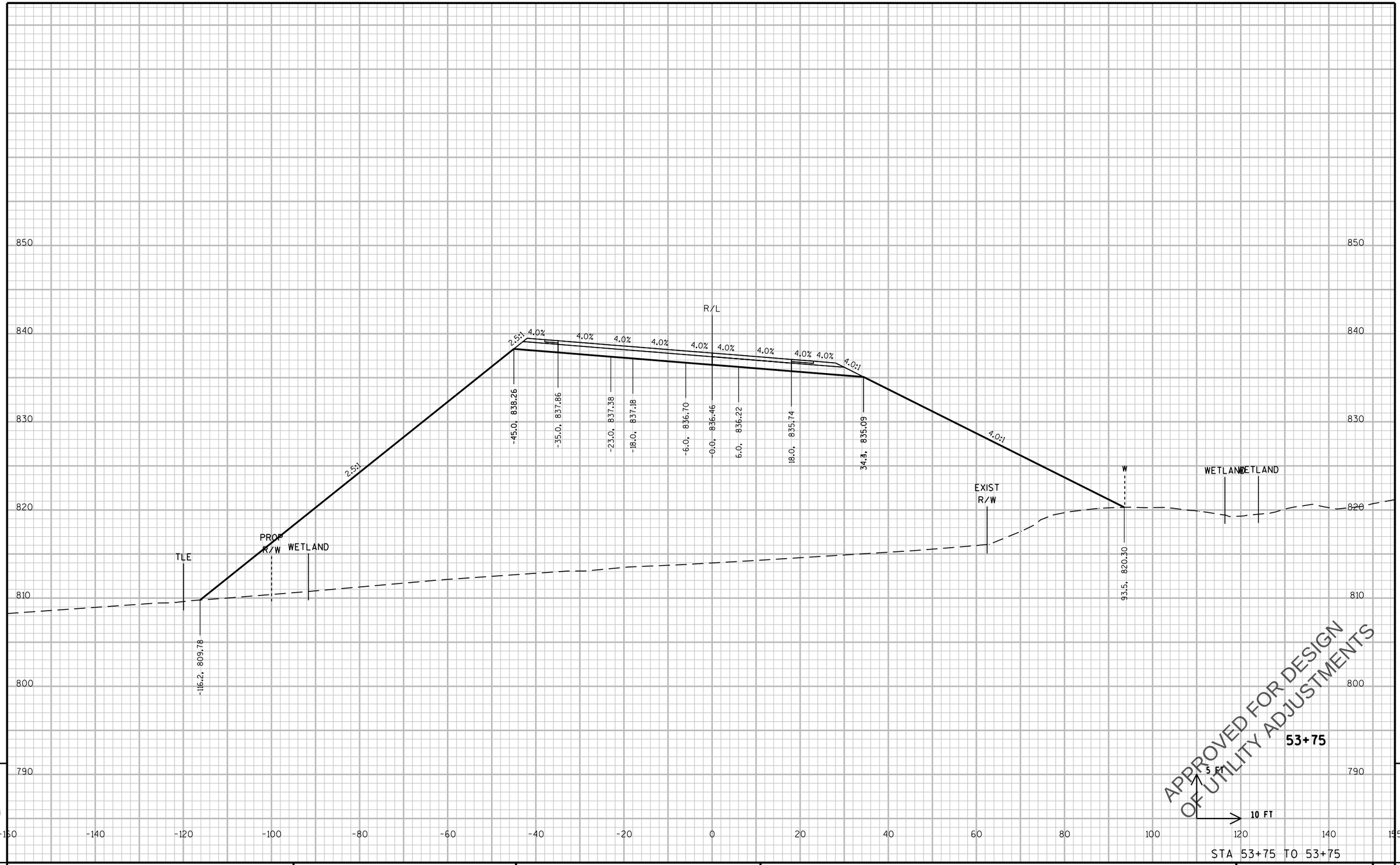
9

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: SUNSET DRIVE	SHEET	E

PRE_694

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090303_XS_SUN.dgn PLOT DATE : 4/11/2016 10:13:32 AM PLOT BY : dbaumann PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS

53+75

STA 53+75 TO 53+75

9

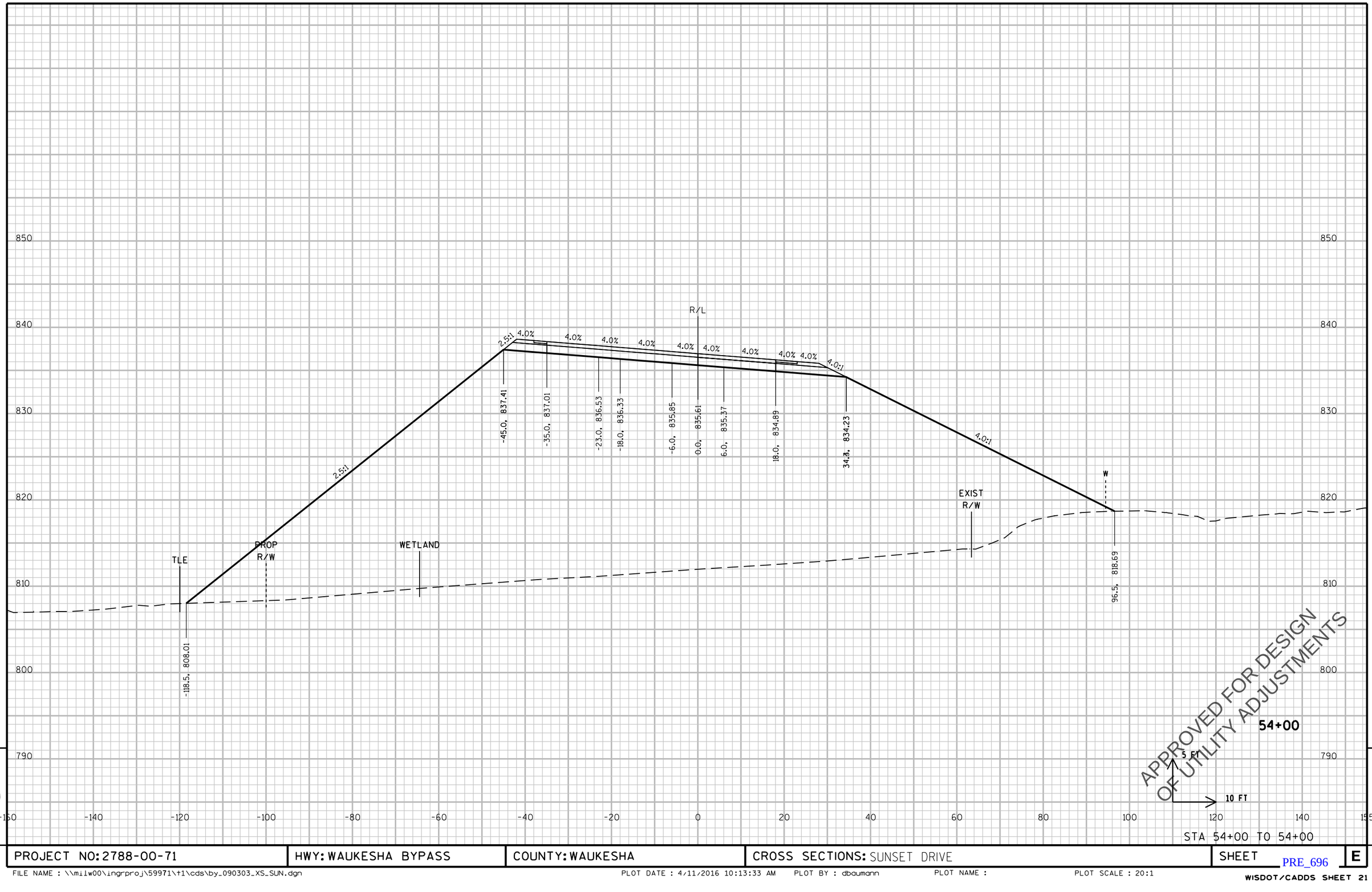
9

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: SUNSET DRIVE	SHEET	E

PRE_695

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090303_XS_SUN.dgn PLOT DATE : 4/11/2016 10:13:32 AM PLOT BY : dbaumann PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



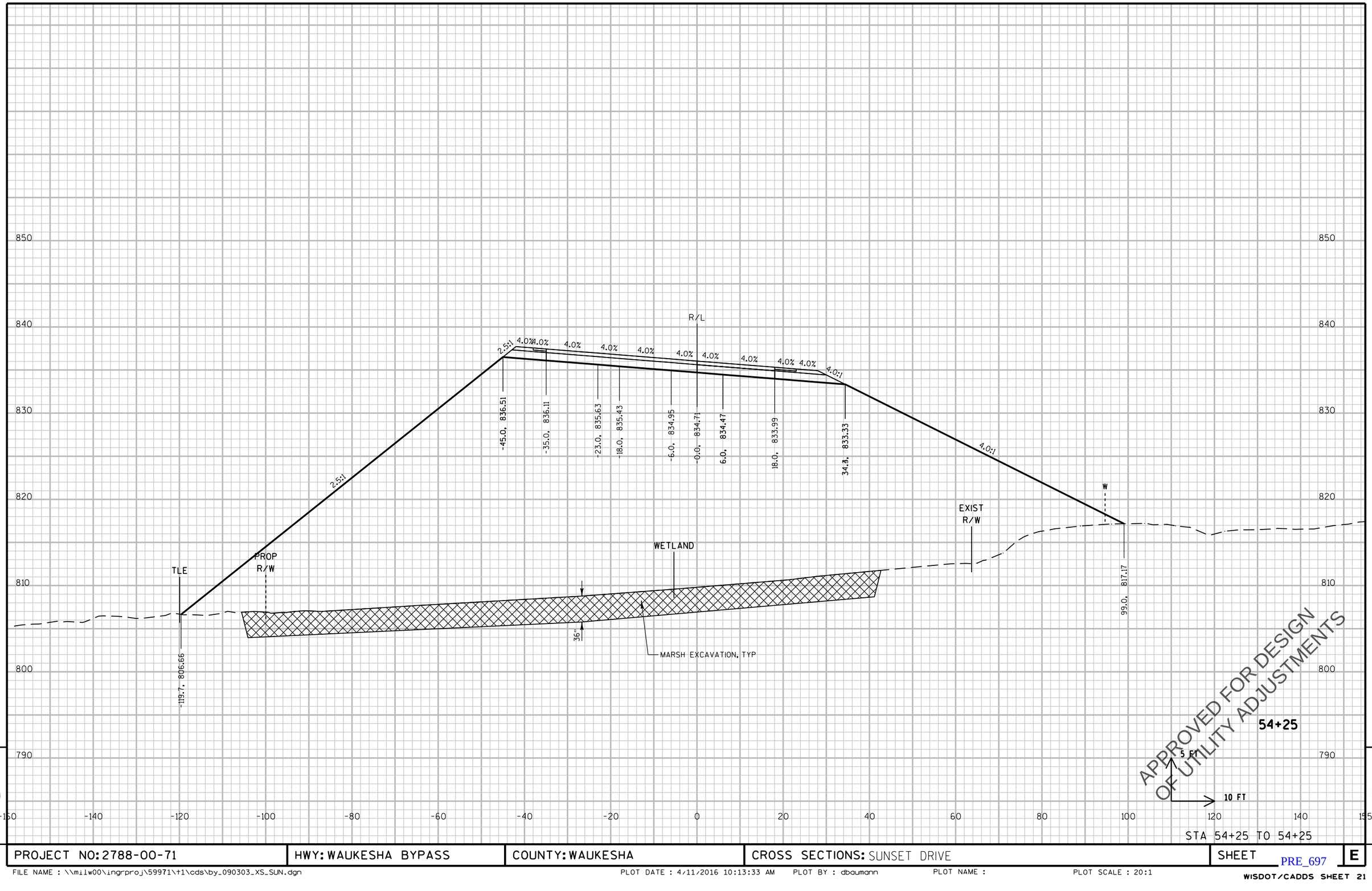
STA 54+00 TO 54+00

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: SUNSET DRIVE	SHEET	E

PRE_696

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090303_XS_SUN.dgn PLOT DATE : 4/11/2016 10:13:33 AM PLOT BY : dbaumann PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



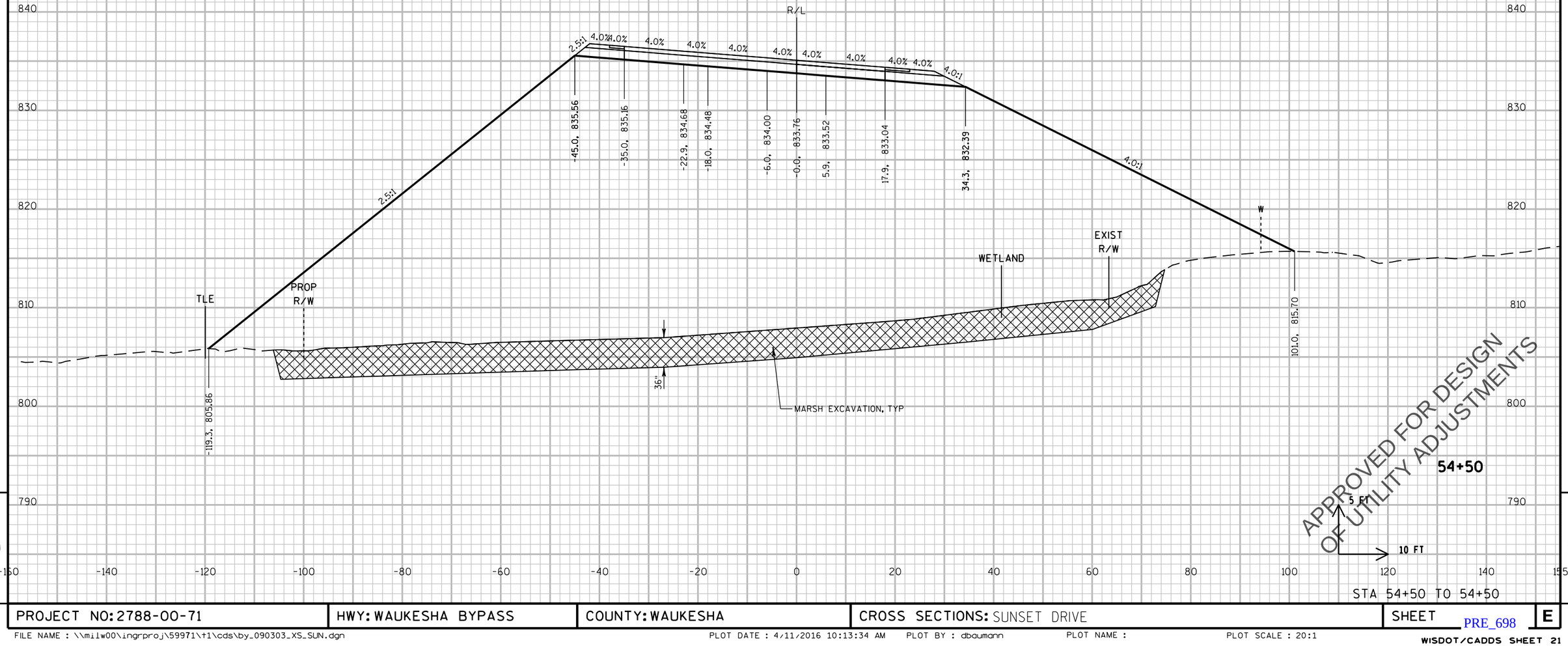
STA 54+25 TO 54+25

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: SUNSET DRIVE	SHEET	E

PRE_697

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090303_XS_SUN.dgn PLOT DATE : 4/11/2016 10:13:33 AM PLOT BY : dbaumann PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



APPROVED FOR DESIGN OF UTILITY ADJUSTMENTS

54+50

STA 54+50 TO 54+50

9

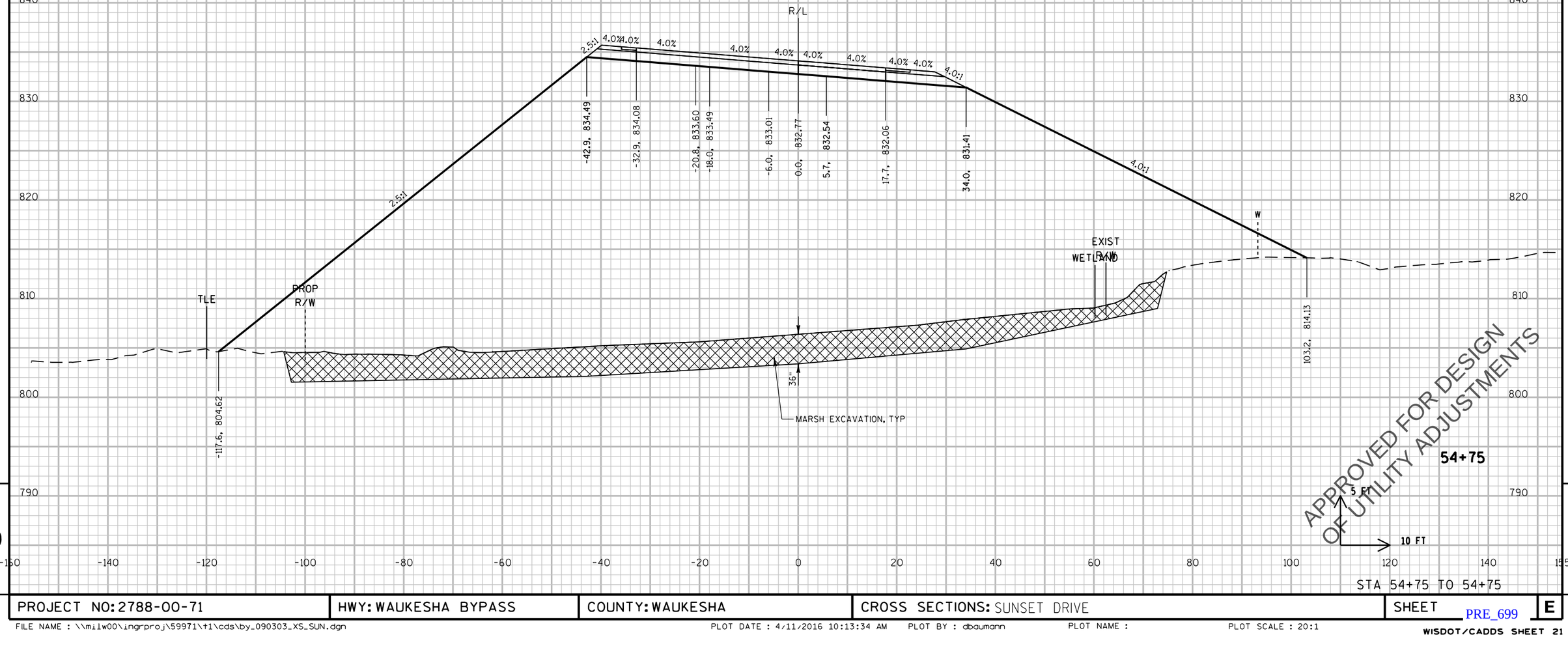
9

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: SUNSET DRIVE	SHEET	E

PRE_698

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090303_XS_SUN.dgn PLOT DATE : 4/11/2016 10:13:34 AM PLOT BY : dbaumann PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



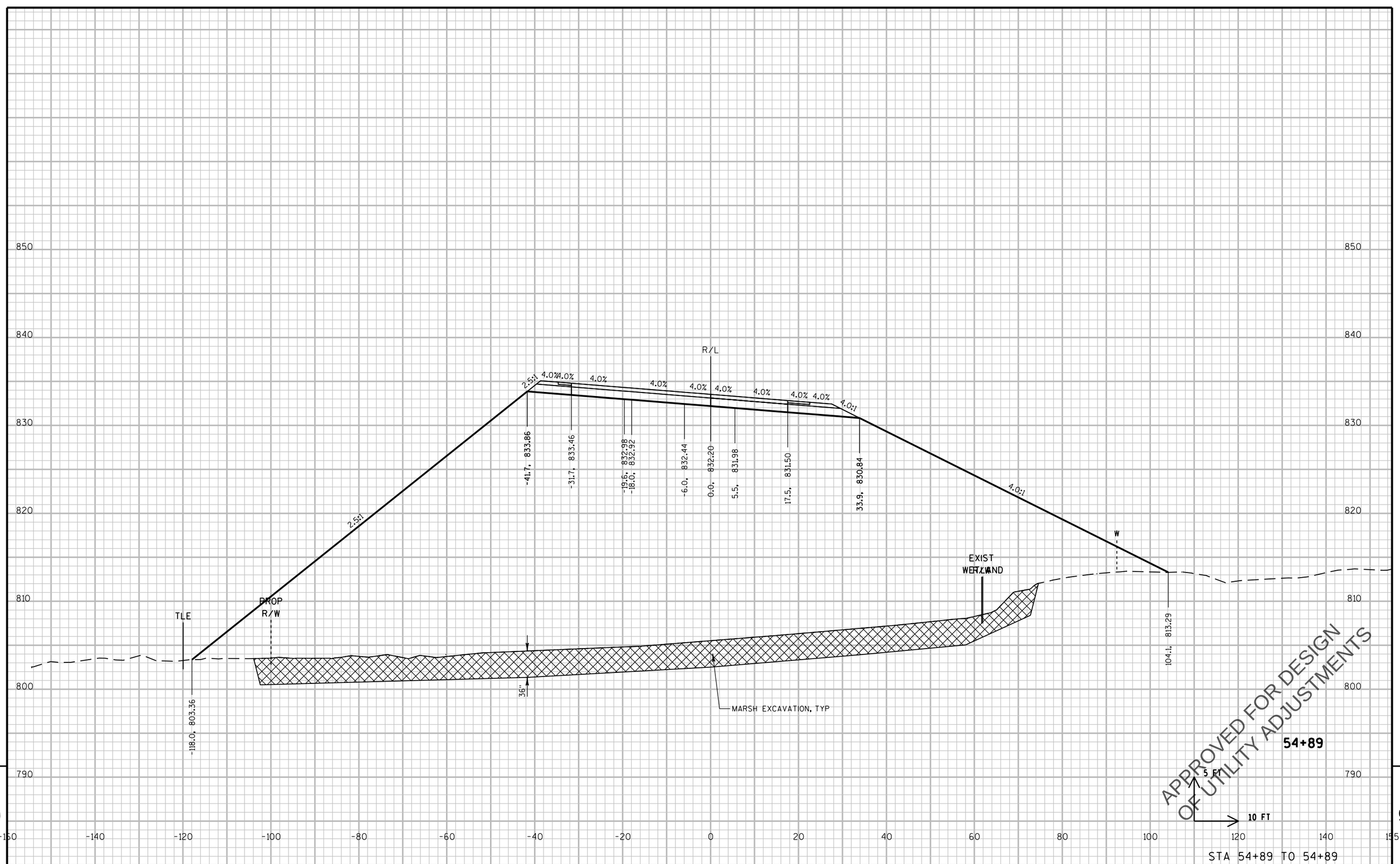
STA 54+75 TO 54+75

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: SUNSET DRIVE	SHEET	E

PRE_699

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090303_XS_SUN.dgn PLOT DATE : 4/11/2016 10:13:34 AM PLOT BY : dbaumann PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

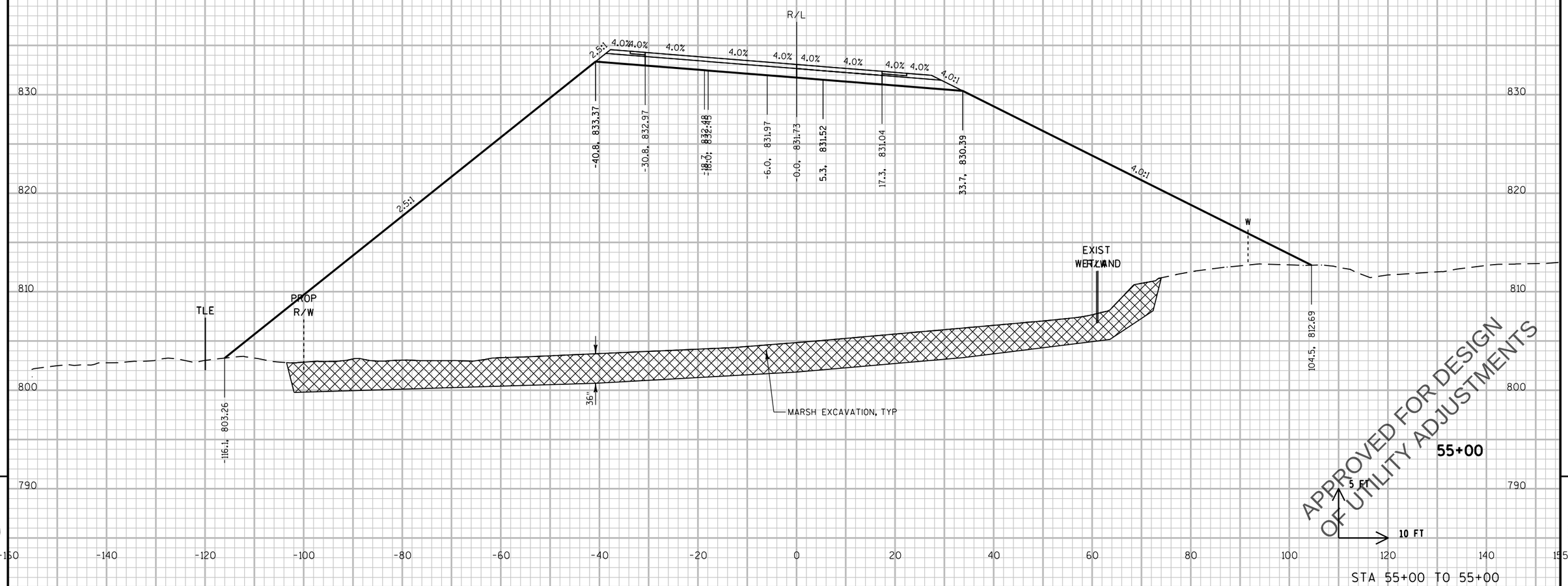


PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: SUNSET DRIVE	SHEET E

PRE_700

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090303_XS_SUN.dgn PLOT DATE : 4/11/2016 10:13:35 AM PLOT BY : dbaumann PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



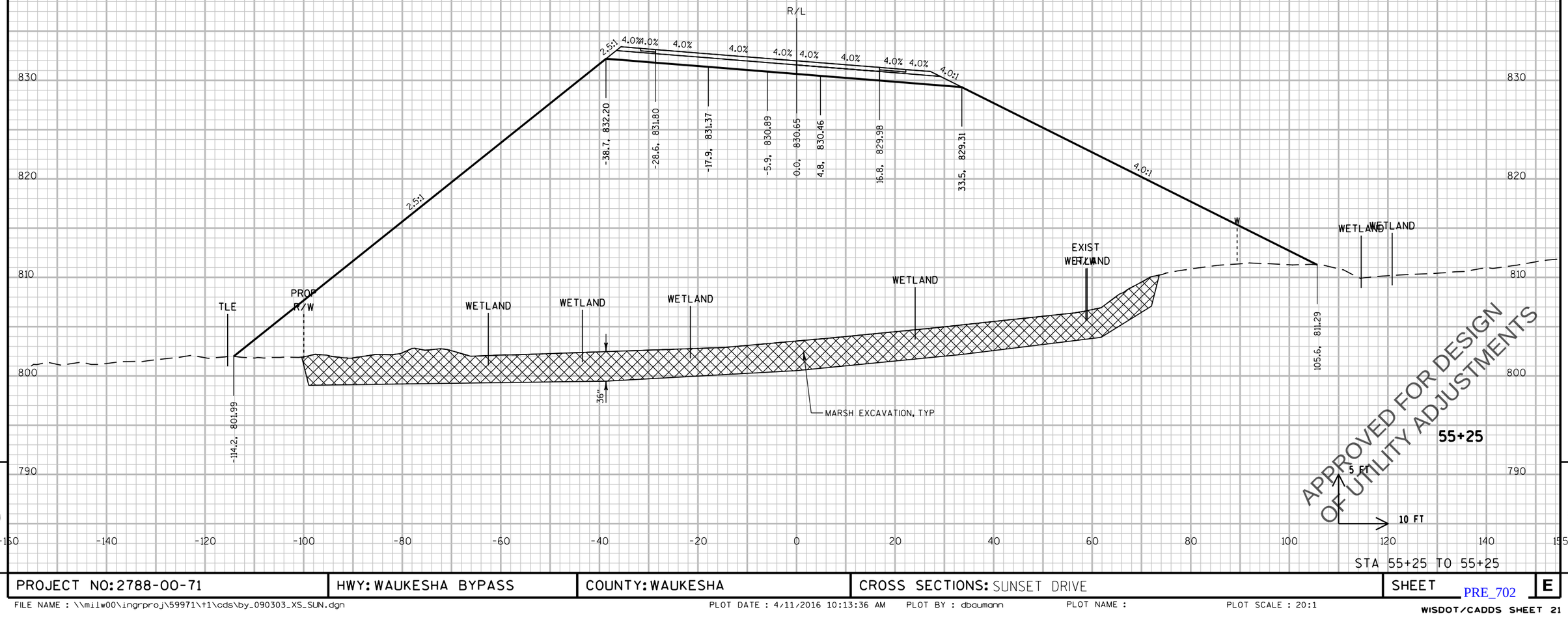
STA 55+00 TO 55+00

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: SUNSET DRIVE	SHEET E

PRE_701

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090303_XS_SUN.dgn PLOT DATE : 4/11/2016 10:13:35 AM PLOT BY : dbaumann PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



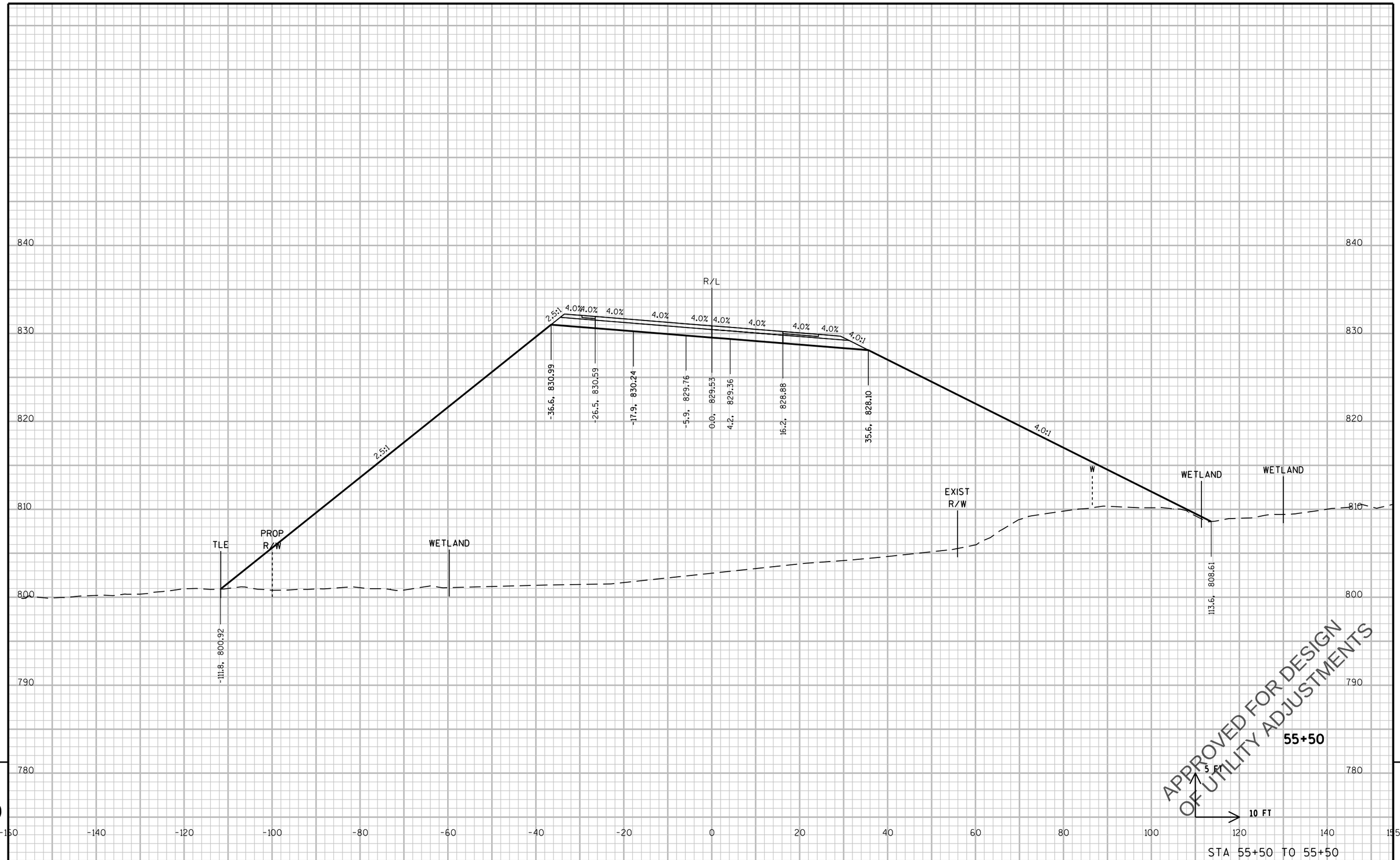
STA 55+25 TO 55+25

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: SUNSET DRIVE	SHEET E

PRE_702

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090303_XS_SUN.dgn PLOT DATE : 4/11/2016 10:13:36 AM PLOT BY : dbaumann PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



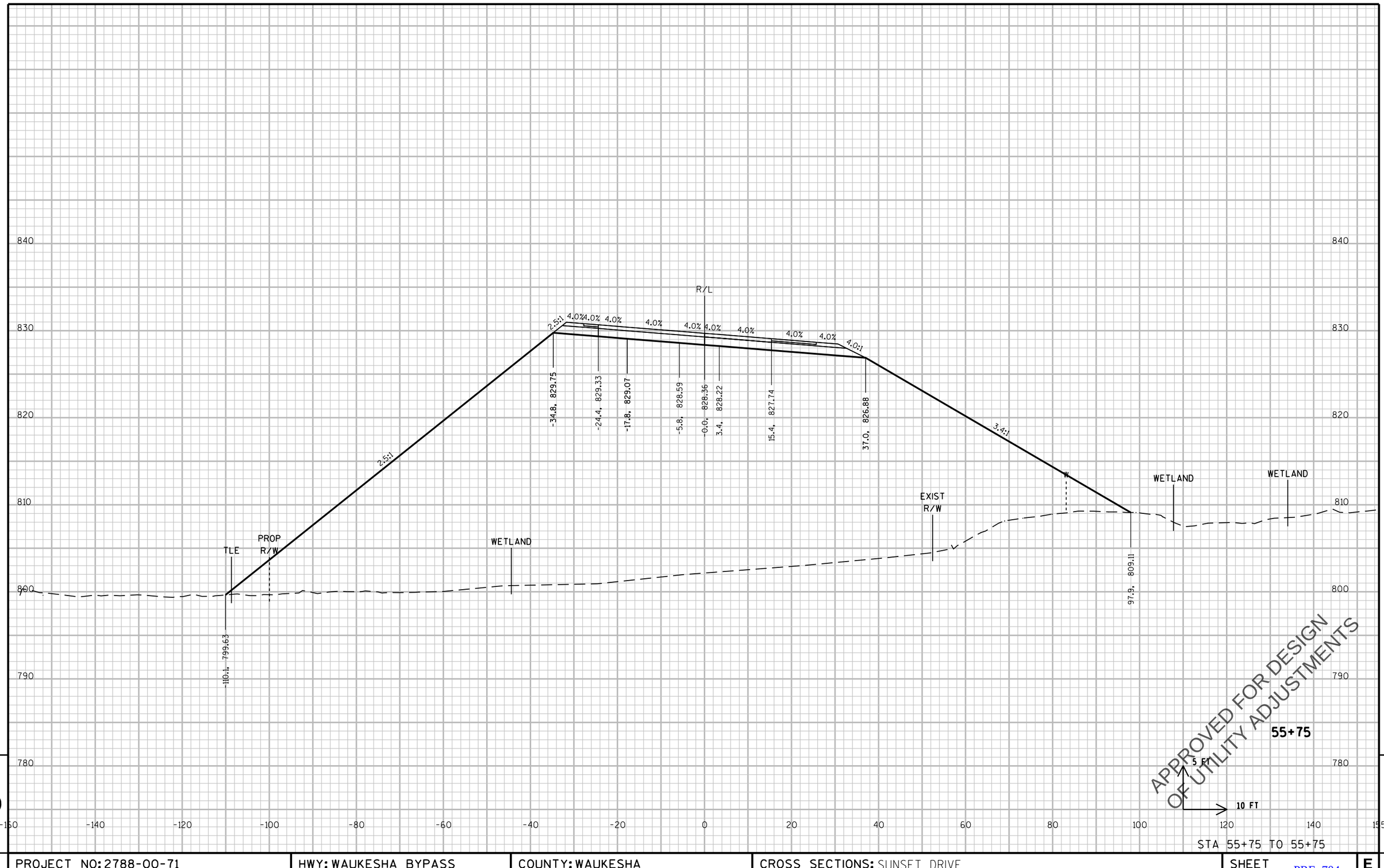
STA 55+50 TO 55+50

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: SUNSET DRIVE	SHEET E

PRE_703

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090303_XS_SUN.dgn PLOT DATE : 4/11/2016 10:13:36 AM PLOT BY : dbaumann PLOT NAME : PLOT SCALE : 20:1

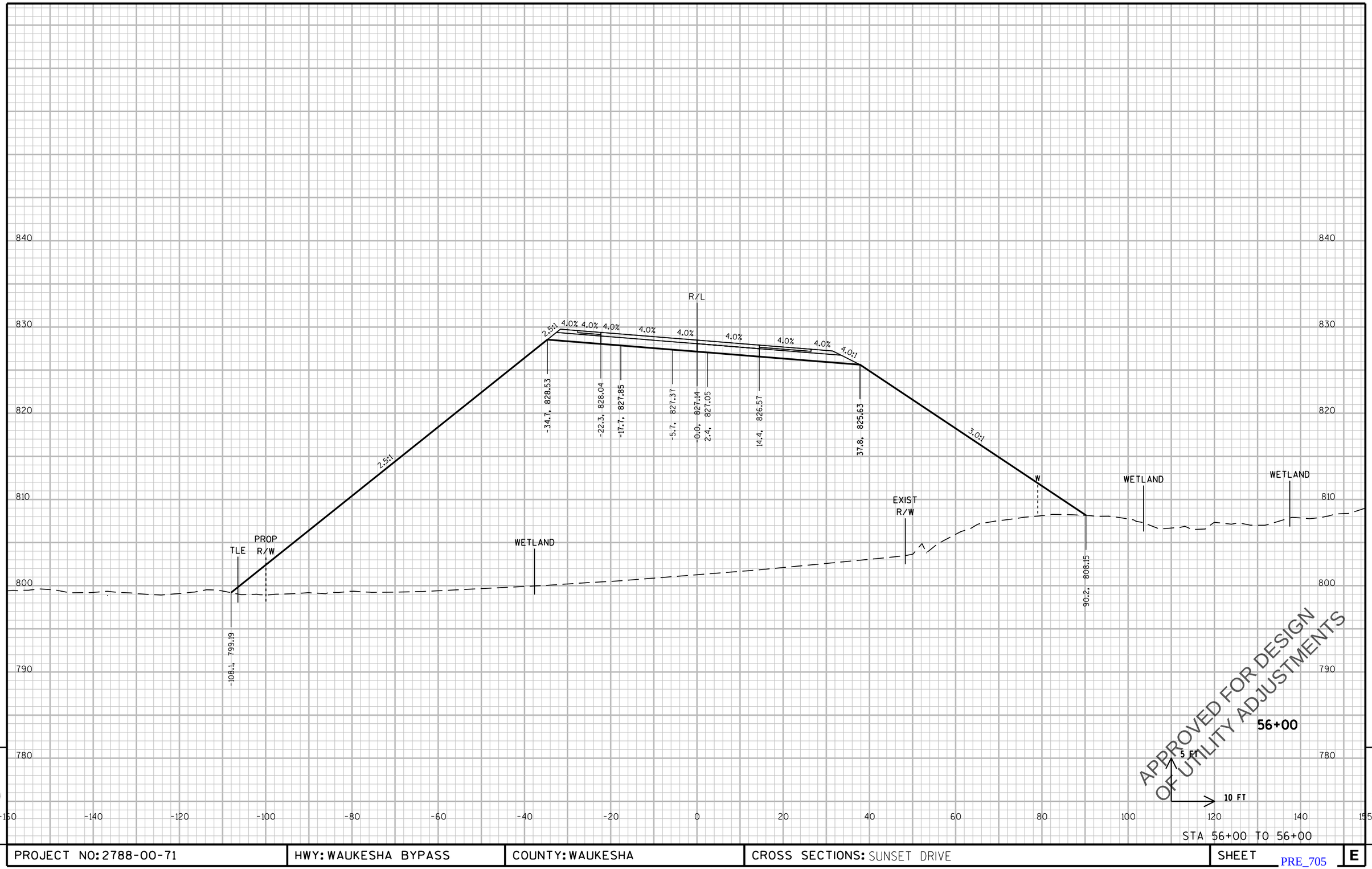
WISDOT/CADDS SHEET 21



STA 55+75 TO 55+75

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: SUNSET DRIVE	SHEET	E

PRE_704

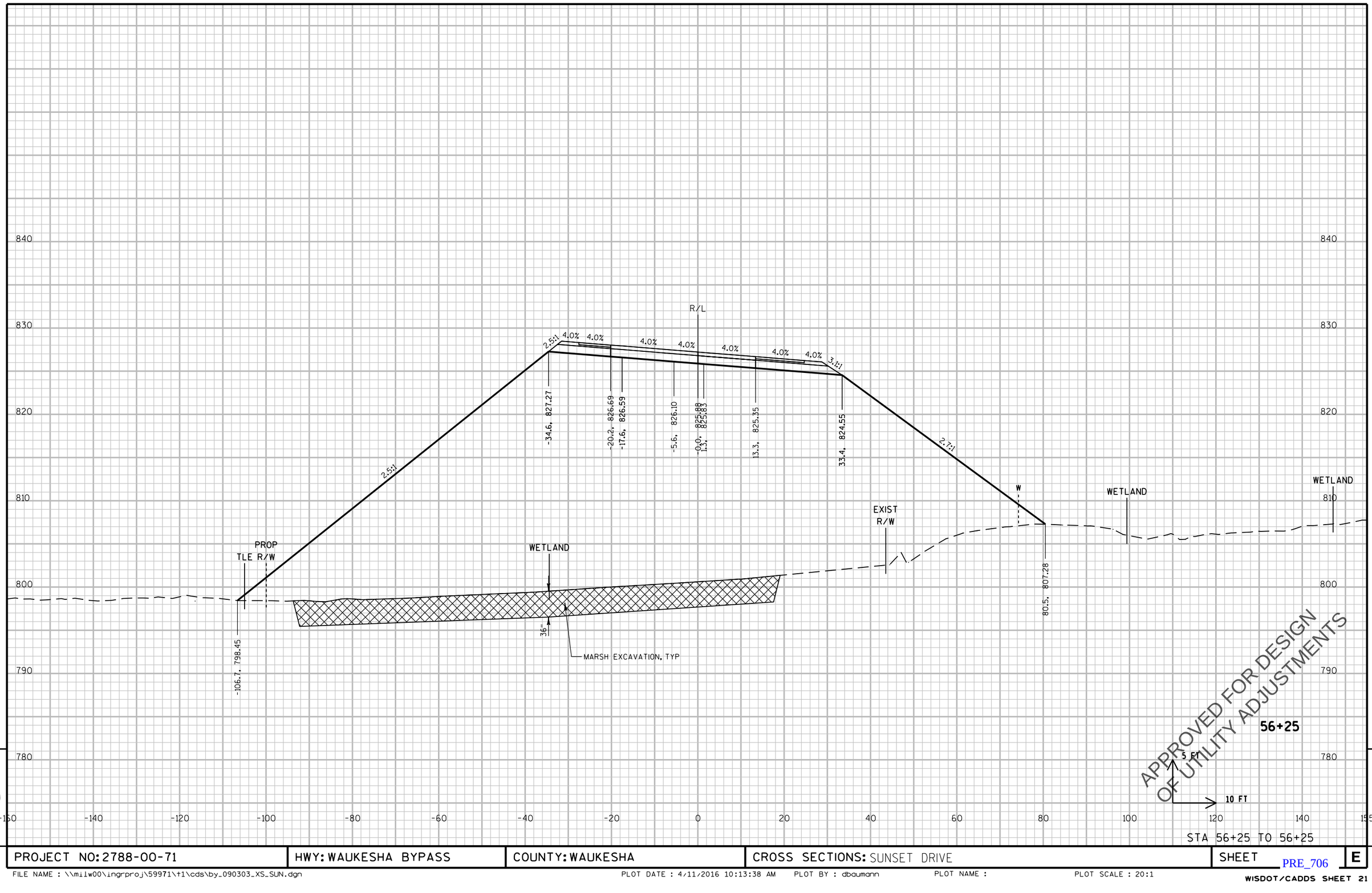


PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: SUNSET DRIVE	SHEET E

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090303_XS_SUN.dgn PLOT DATE : 4/11/2016 10:13:37 AM PLOT BY : dbaumann PLOT NAME : PLOT SCALE : 20:1

PRE_705

WISDOT/CADDS SHEET 21



9

STA 56+25 TO 56+25

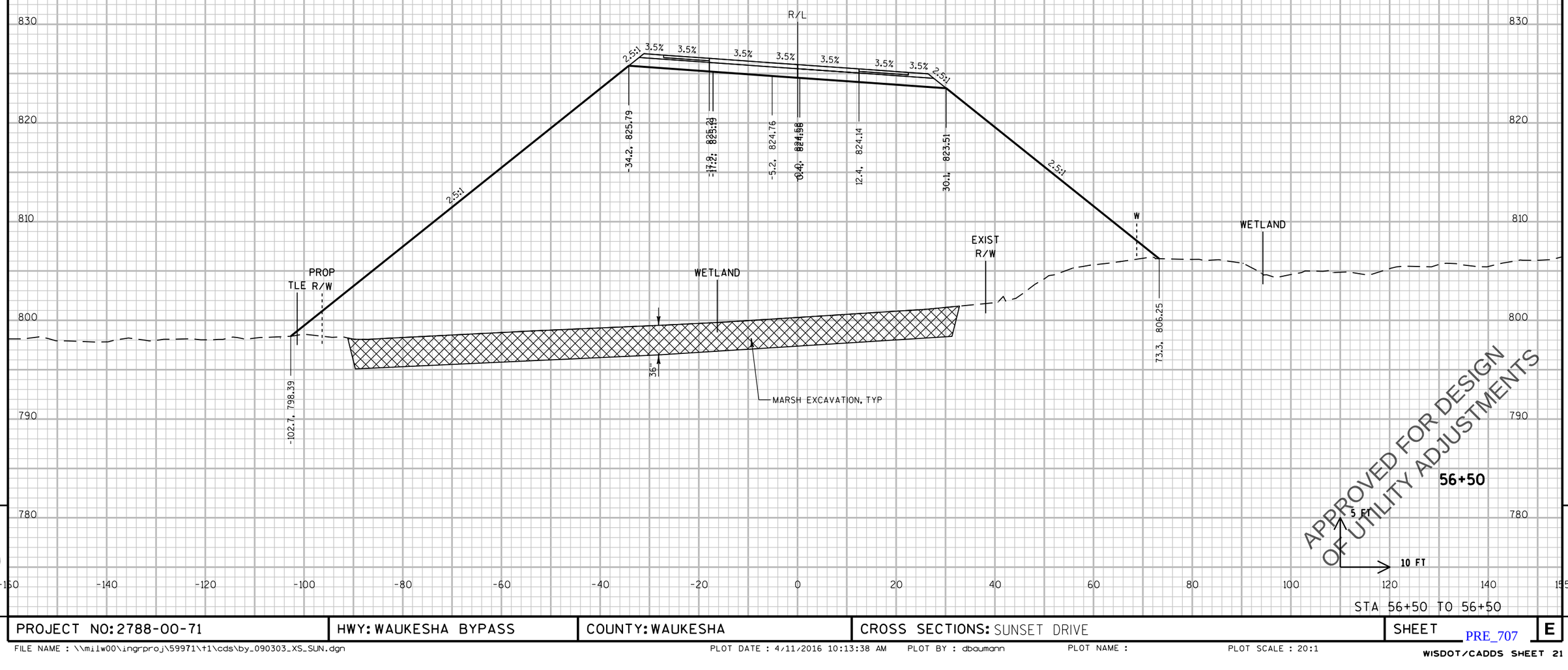
9

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: SUNSET DRIVE	SHEET E

PRE_706

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090303_XS_SUN.dgn PLOT DATE : 4/11/2016 10:13:38 AM PLOT BY : dbaumann PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



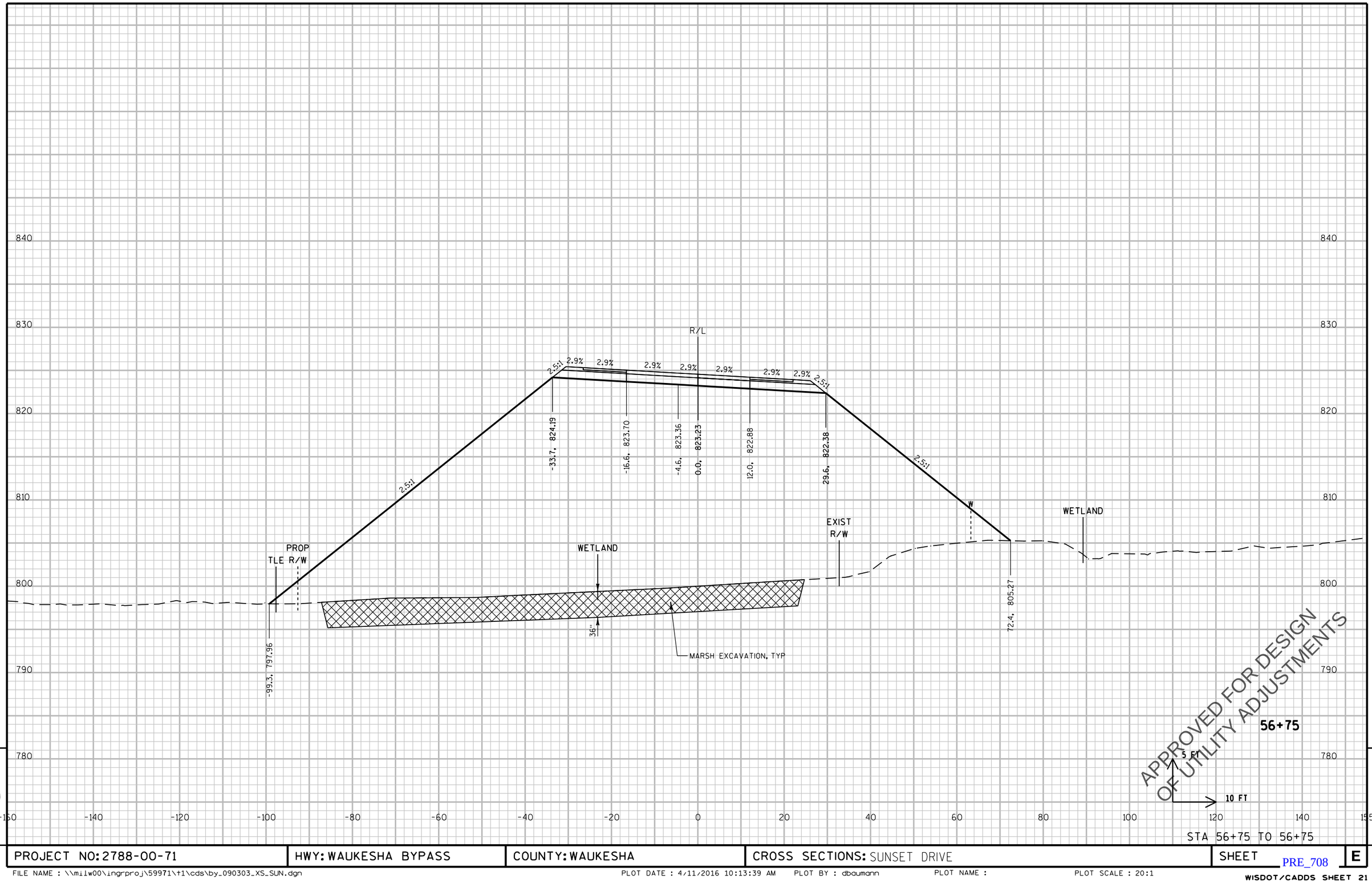
STA 56+50 TO 56+50

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: SUNSET DRIVE	SHEET	E

PRE_707

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090303_XS_SUN.dgn PLOT DATE : 4/11/2016 10:13:38 AM PLOT BY : dbaumann PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



STA 56+75 TO 56+75

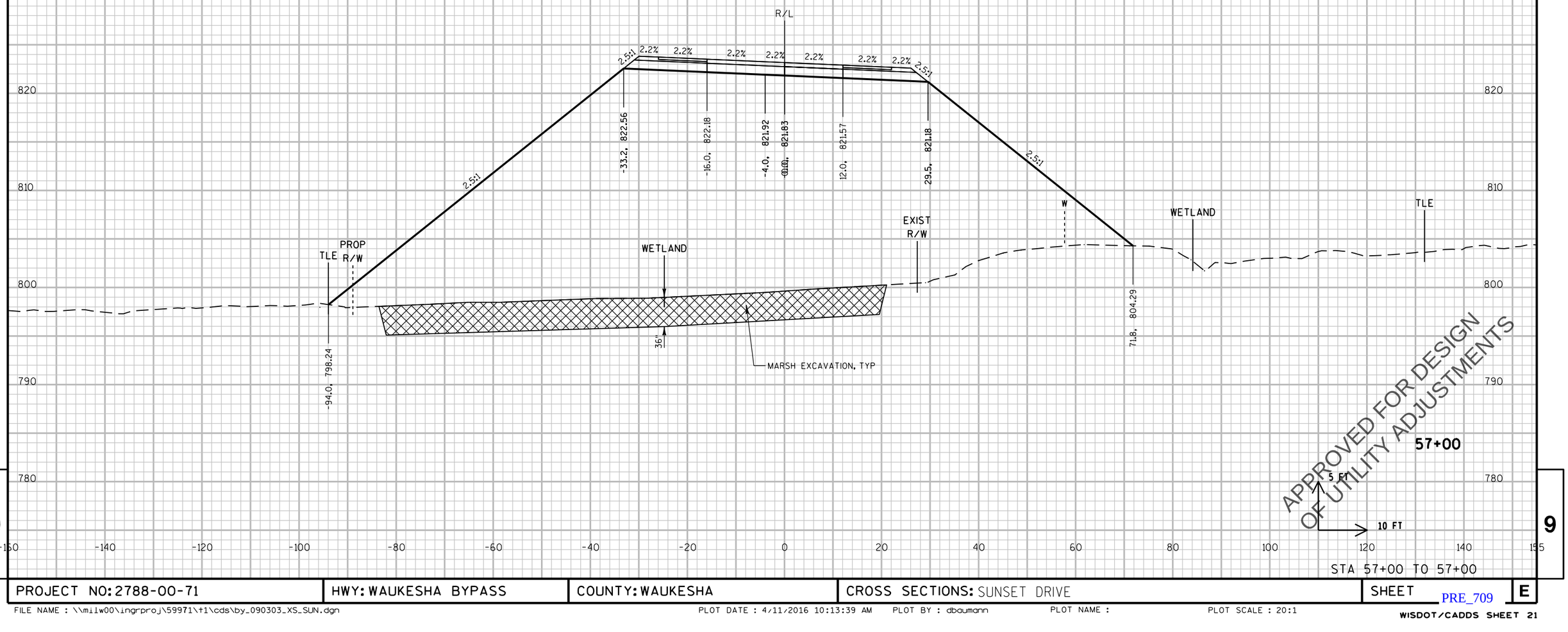
9

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: SUNSET DRIVE	SHEET	E

PRE_708

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090303_XS_SUN.dgn PLOT DATE : 4/11/2016 10:13:39 AM PLOT BY : dbaumann PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



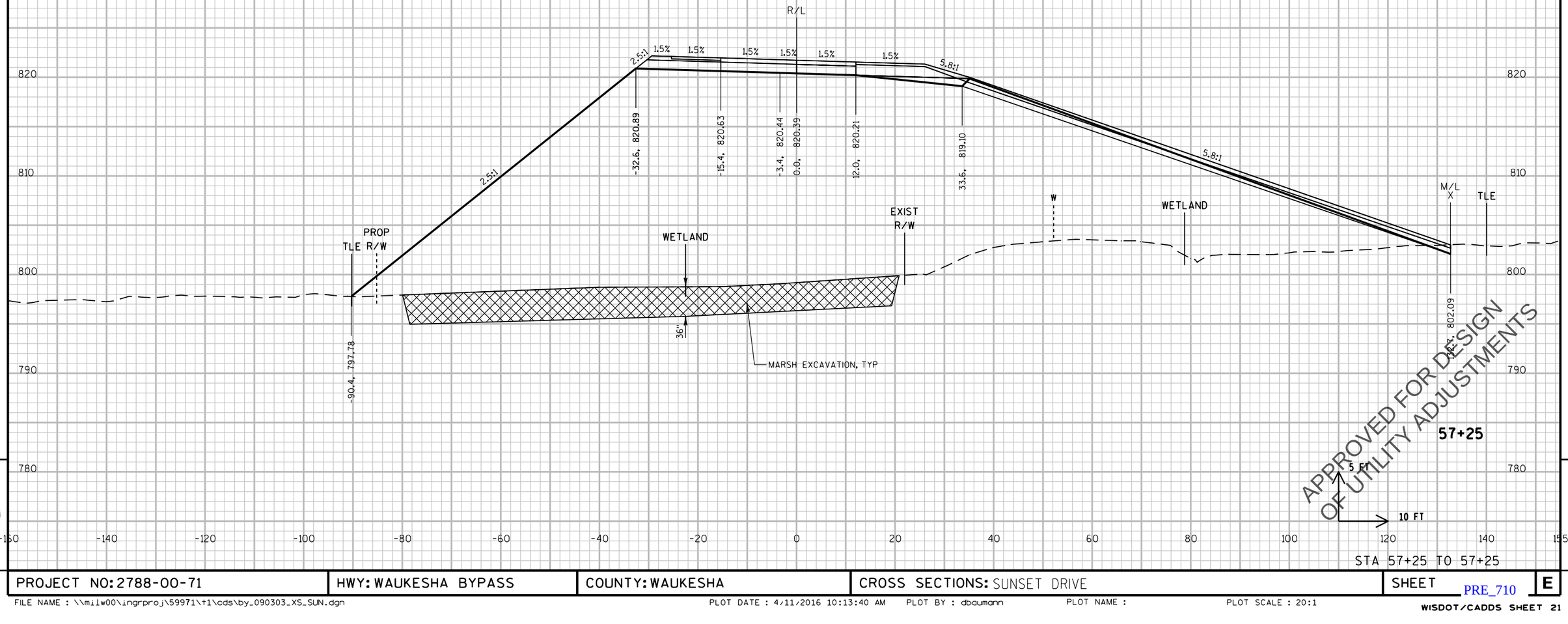
STA 57+00 TO 57+00

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: SUNSET DRIVE	SHEET E

PRE_709

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090303_XS_SUN.dgn PLOT DATE : 4/11/2016 10:13:39 AM PLOT BY : dbaumann PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS

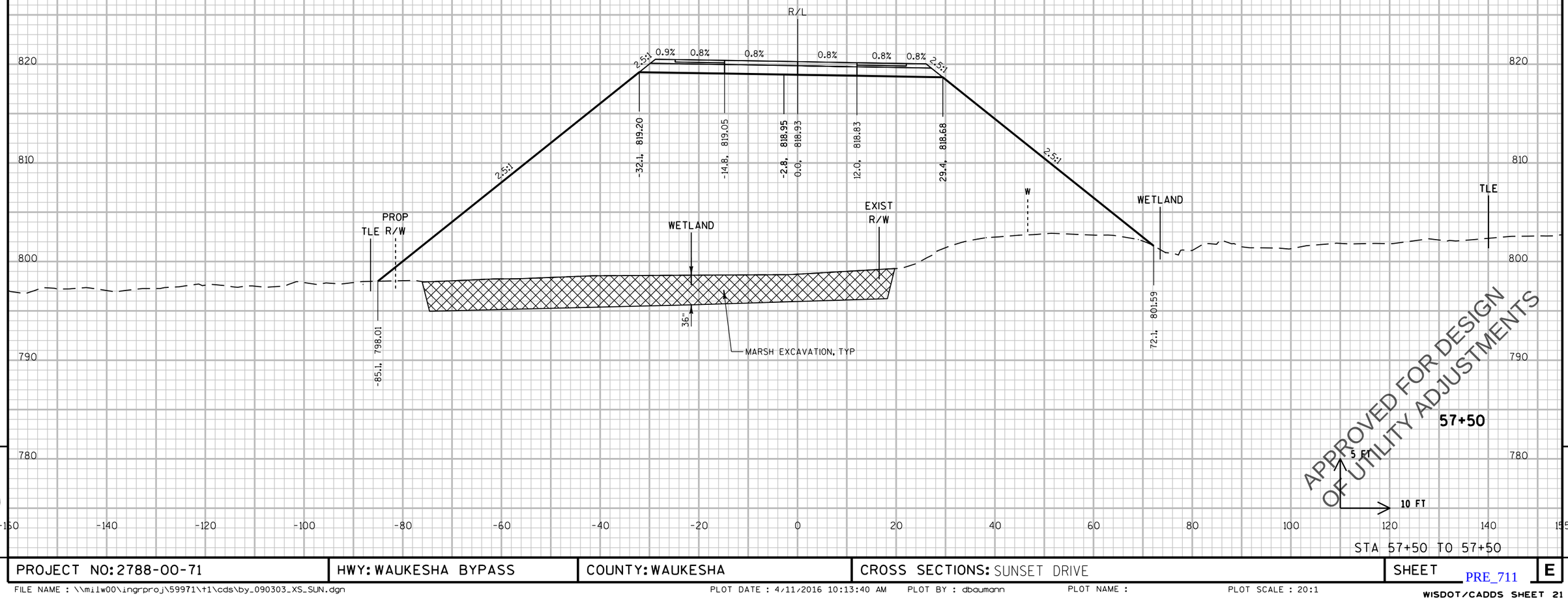
STA 57+25 TO 57+25

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: SUNSET DRIVE	SHEET	E

PRE_710

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090303_XS_SUN.dgn PLOT DATE : 4/11/2016 10:13:40 AM PLOT BY : dbaumann PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



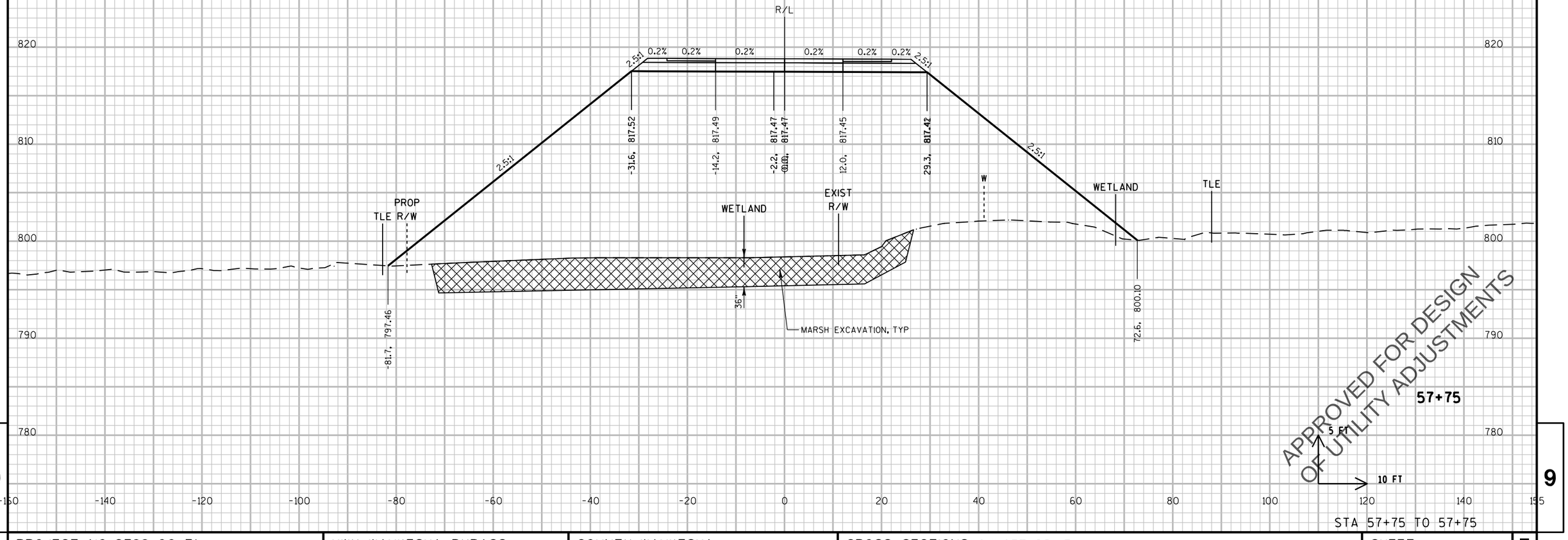
9

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: SUNSET DRIVE	SHEET	E

PRE_711

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090303_XS_SUN.dgn PLOT DATE : 4/11/2016 10:13:40 AM PLOT BY : dbaumann PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS

57+75

STA 57+75 TO 57+75

9

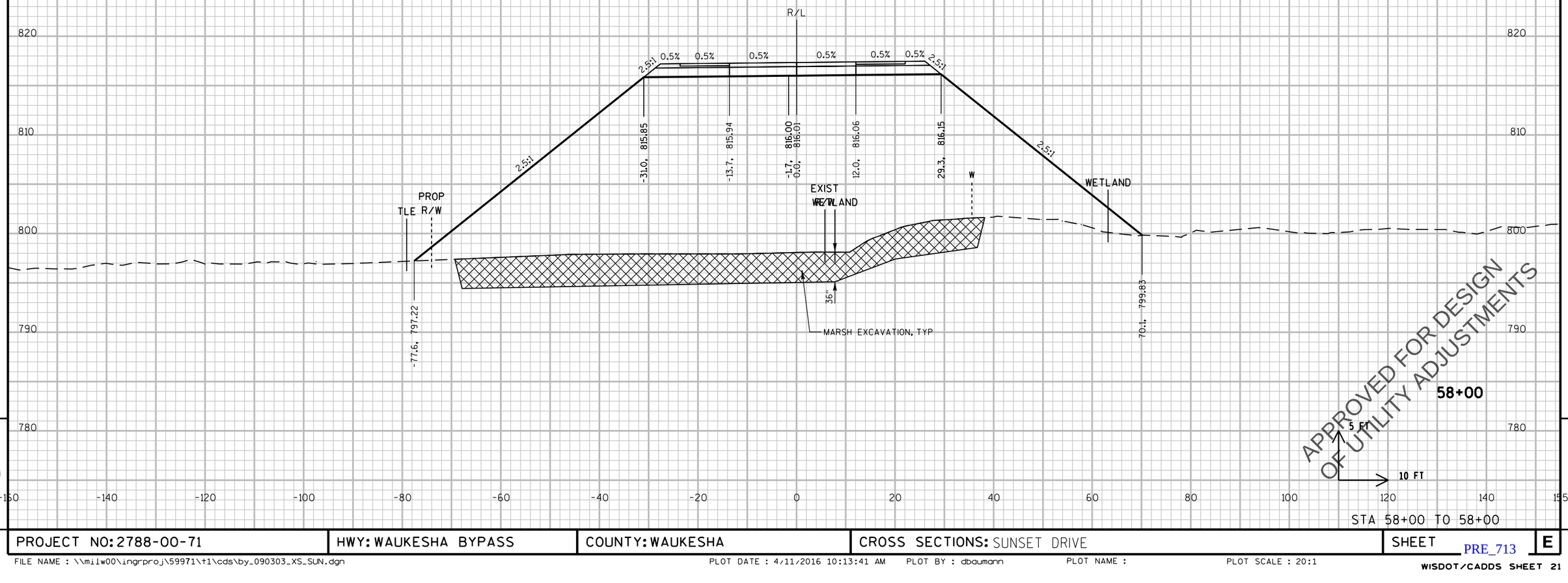
9

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: SUNSET DRIVE	SHEET E

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090303_XS_SUN.dgn PLOT DATE : 4/11/2016 10:13:40 AM PLOT BY : dbaumann PLOT NAME : PLOT SCALE : 20:1

PRE_712

WISDOT/CADDS SHEET 21



APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS

58+00

5 FT

10 FT

STA 58+00 TO 58+00

9

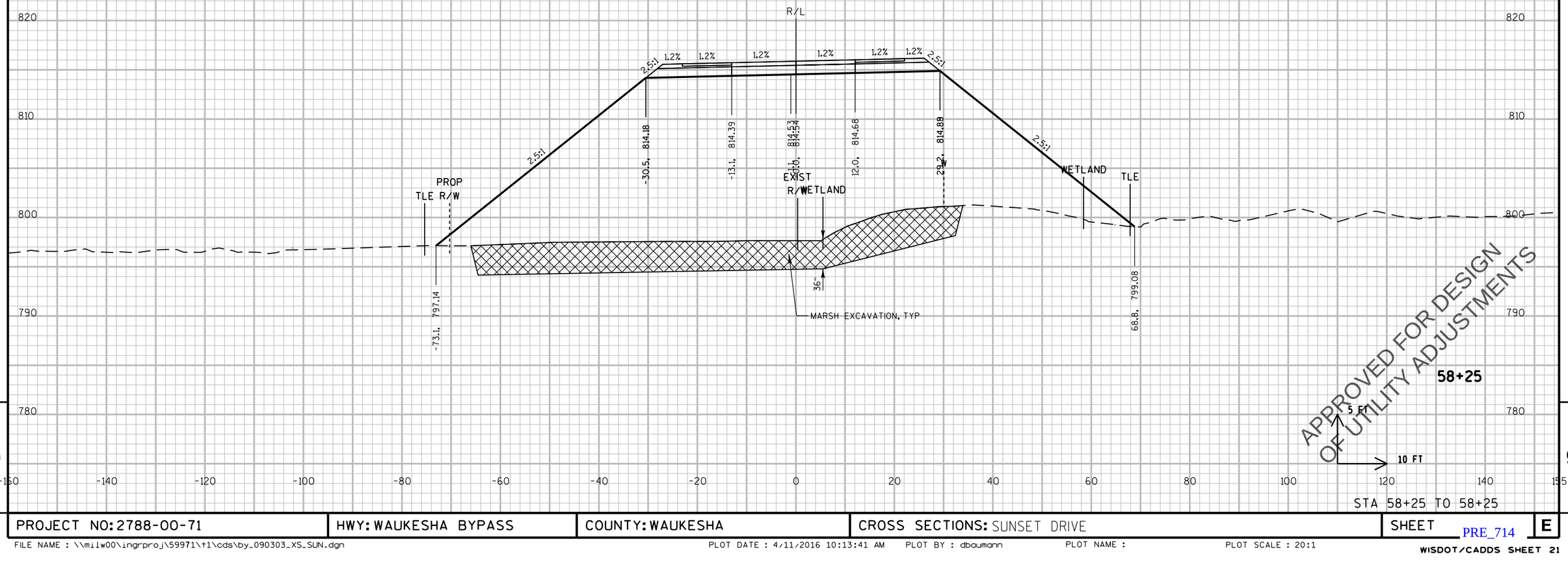
9

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: SUNSET DRIVE	SHEET E

PRE_713

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090303_XS_SUN.dgn PLOT DATE : 4/11/2016 10:13:41 AM PLOT BY : dbaumann PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



STA 58+25 TO 58+25

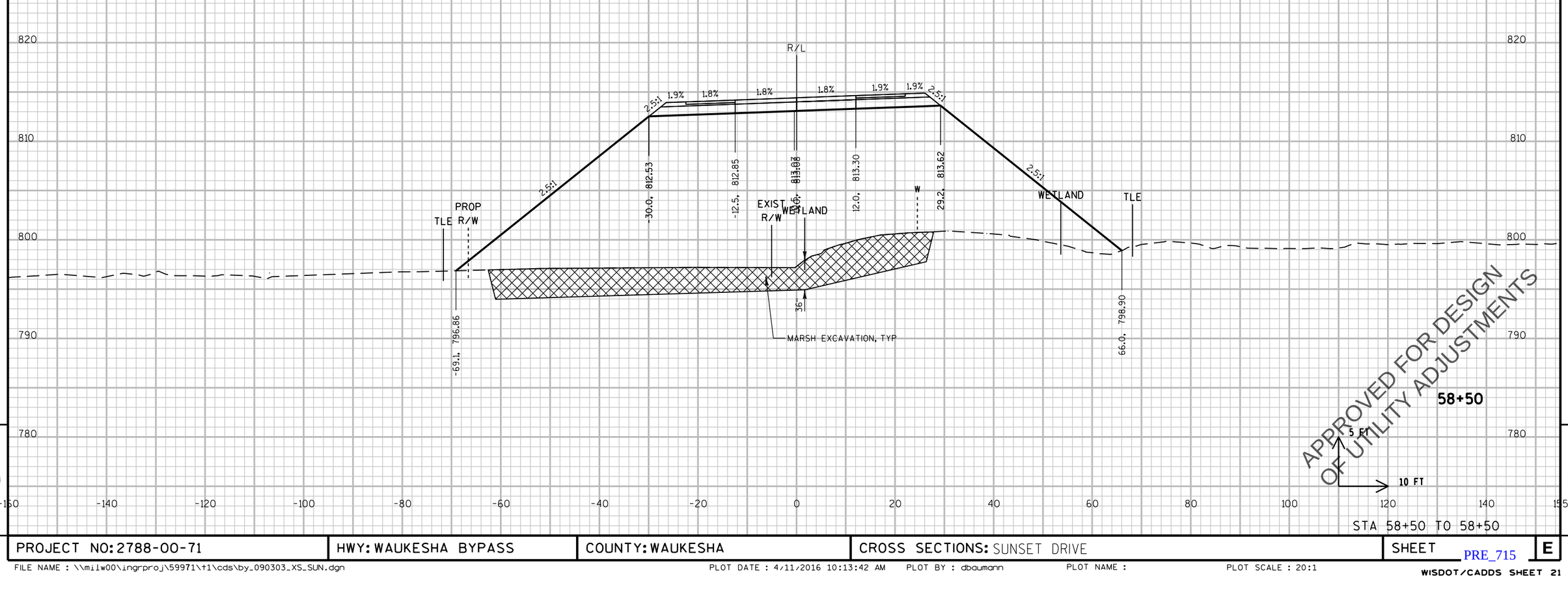
9

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: SUNSET DRIVE	SHEET E

PRE_714

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090303_XS_SUN.dgn PLOT DATE : 4/11/2016 10:13:41 AM PLOT BY : dbaumann PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



9

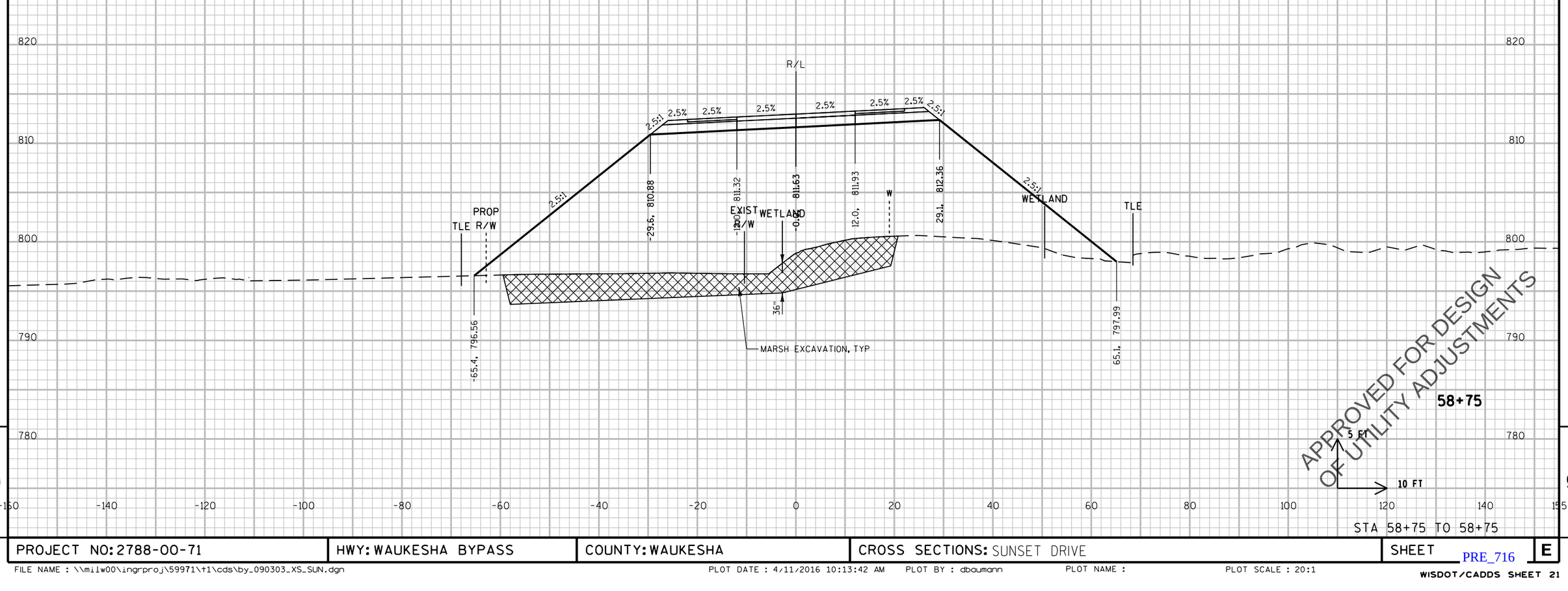
9

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: SUNSET DRIVE	SHEET E

PRE_715

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090303_XS_SUN.dgn PLOT DATE : 4/11/2016 10:13:42 AM PLOT BY : dbaumann PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS

STA 58+75 TO 58+75

9

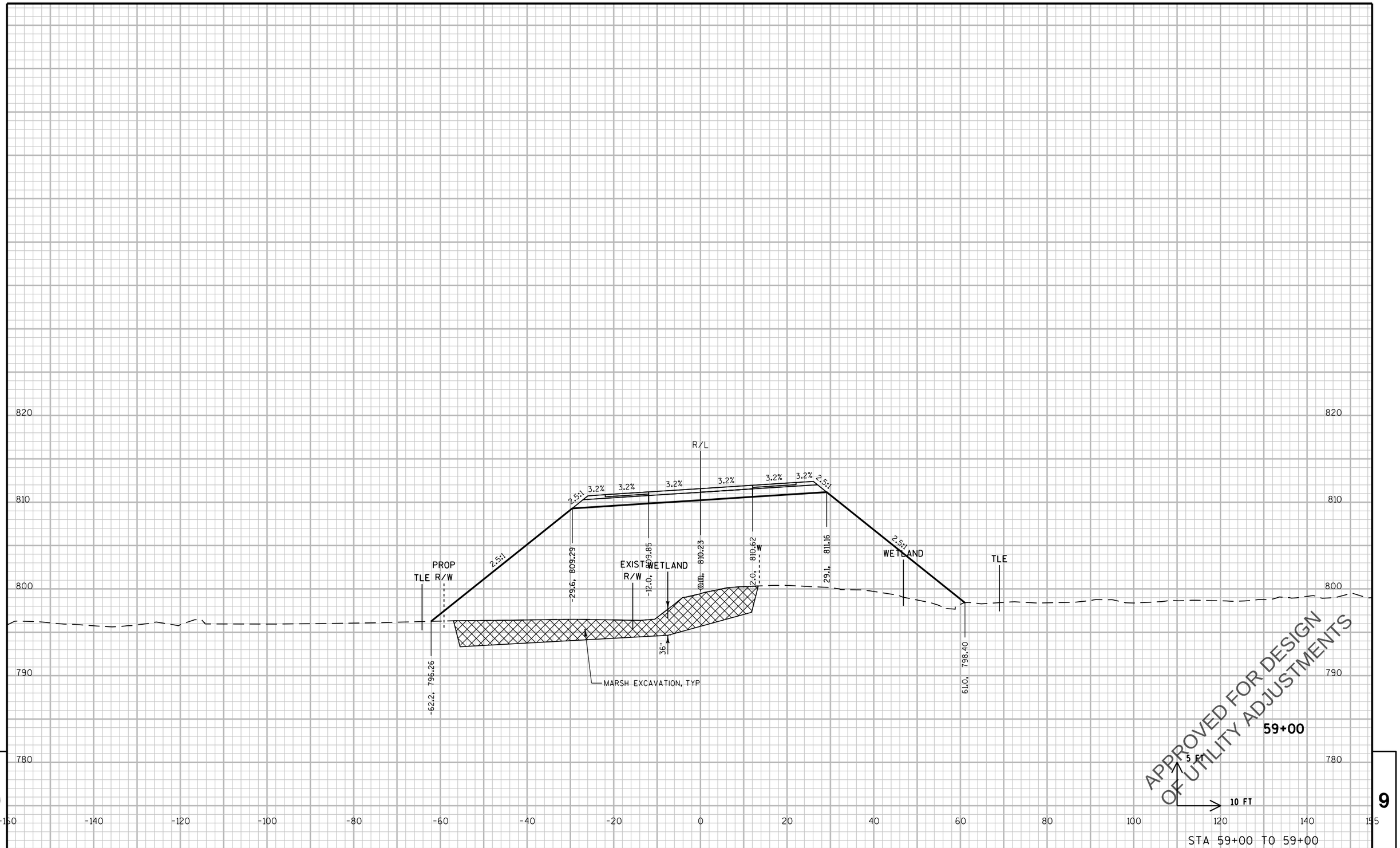
9

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: SUNSET DRIVE	SHEET E

PRE_716

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090303_XS_SUN.dgn PLOT DATE : 4/11/2016 10:13:42 AM PLOT BY : dbaumann PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



9

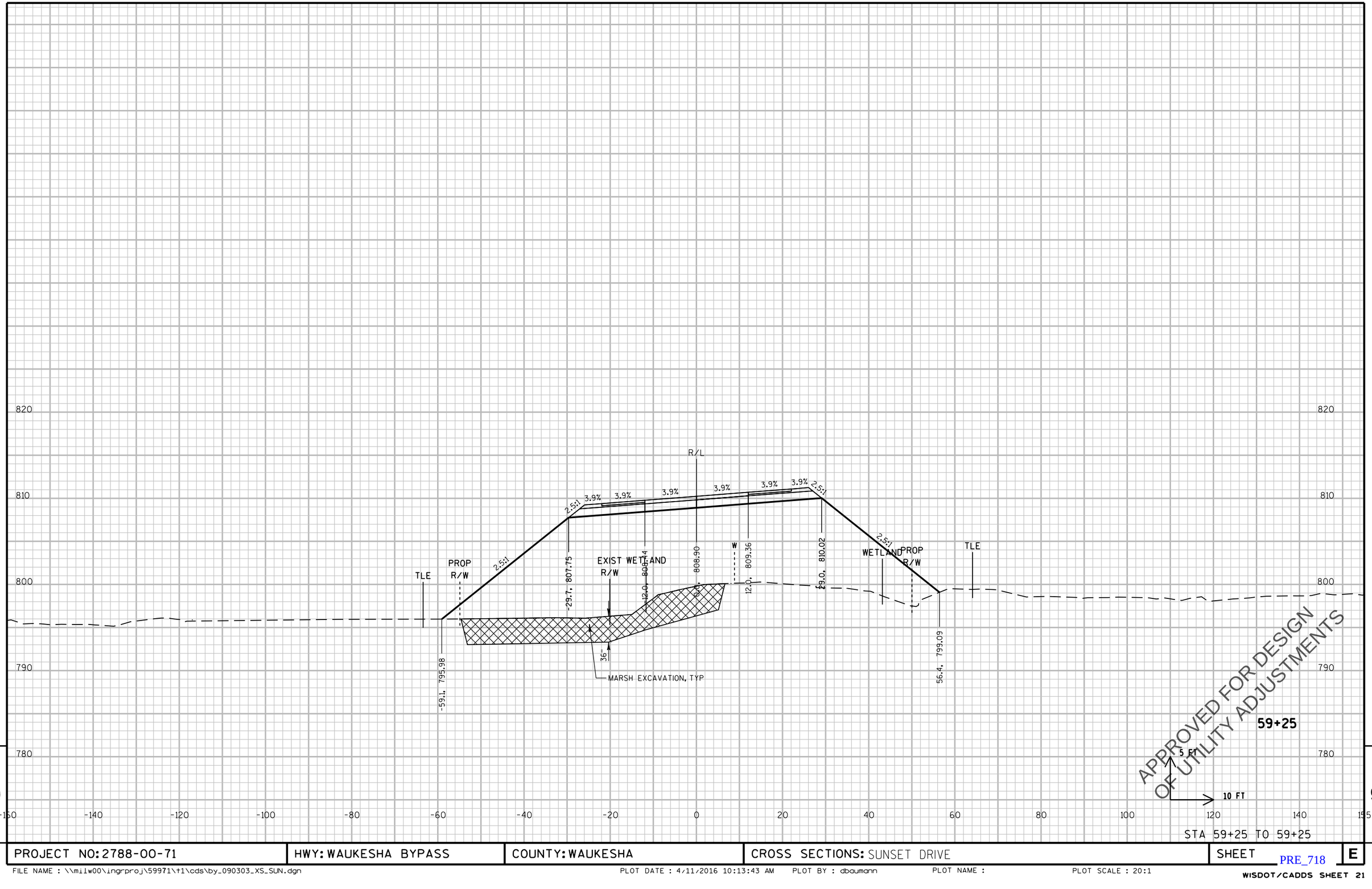
9

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: SUNSET DRIVE	SHEET E

PRE_717

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090303_XS_SUN.dgn PLOT DATE : 4/11/2016 10:13:43 AM PLOT BY : dbaumann PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



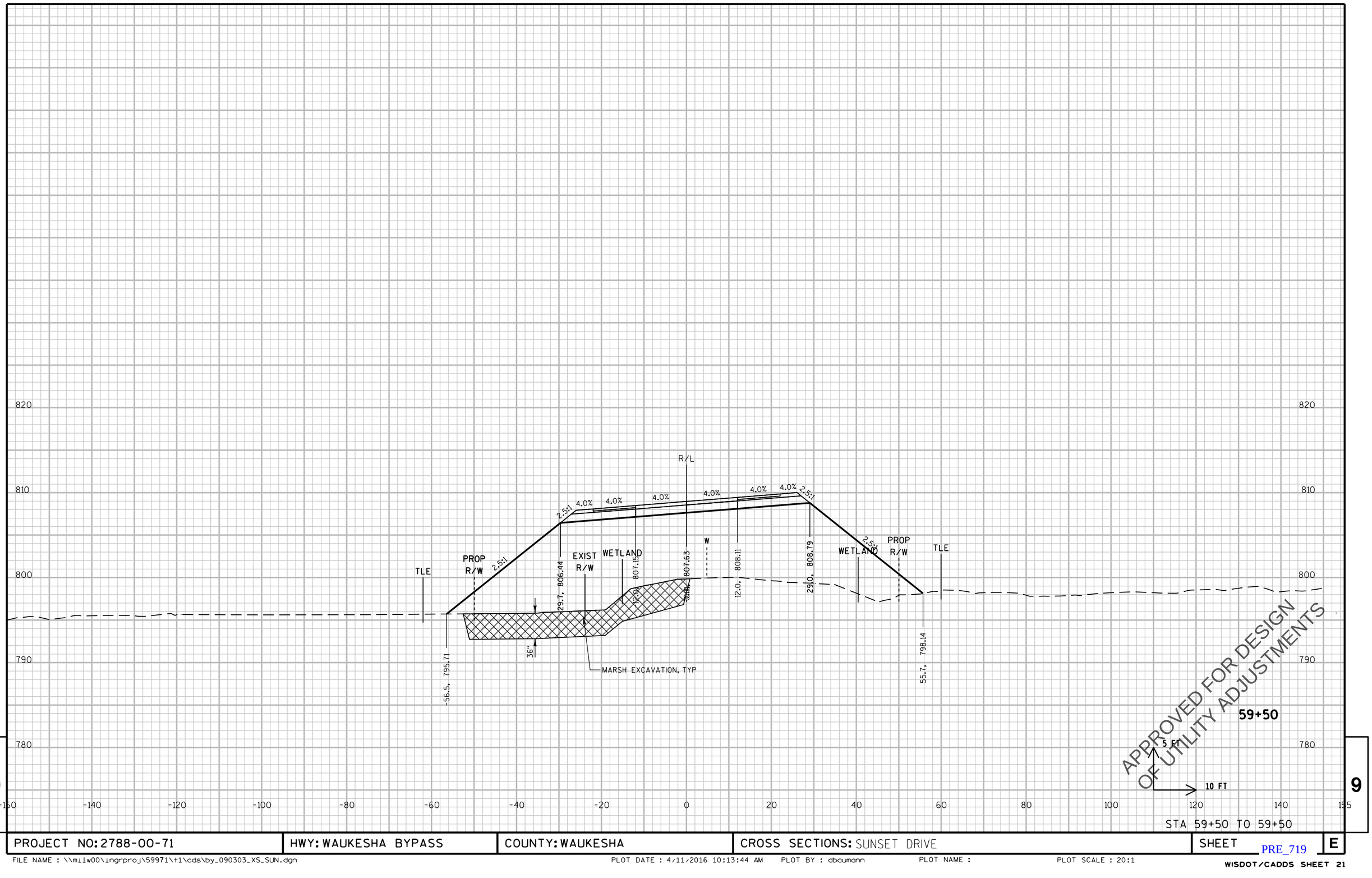
STA 59+25 TO 59+25

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: SUNSET DRIVE	SHEET E

PRE_718

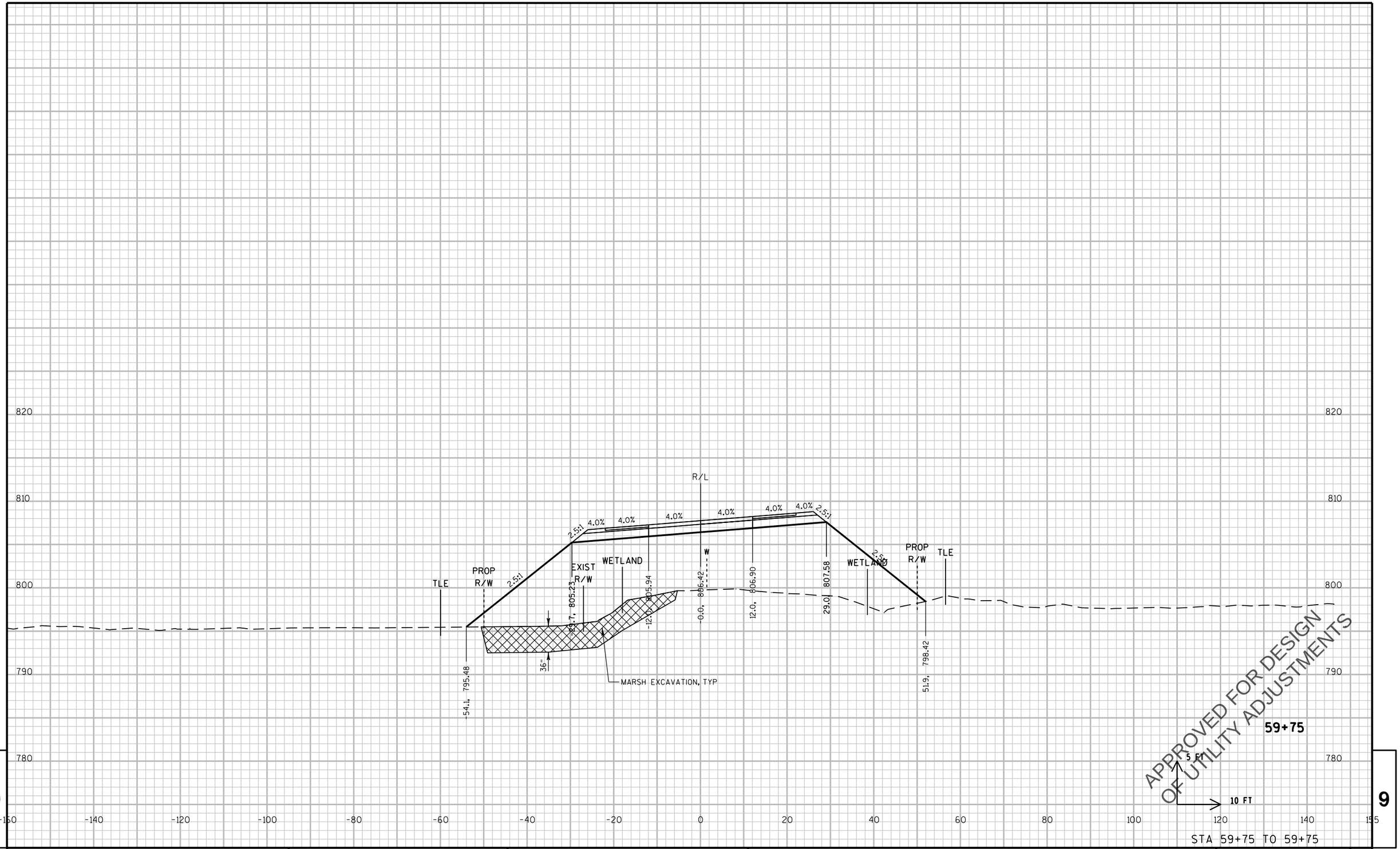
FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090303_XS_SUN.dgn PLOT DATE : 4/11/2016 10:13:43 AM PLOT BY : dbaumann PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: SUNSET DRIVE	SHEET E

PRE_719



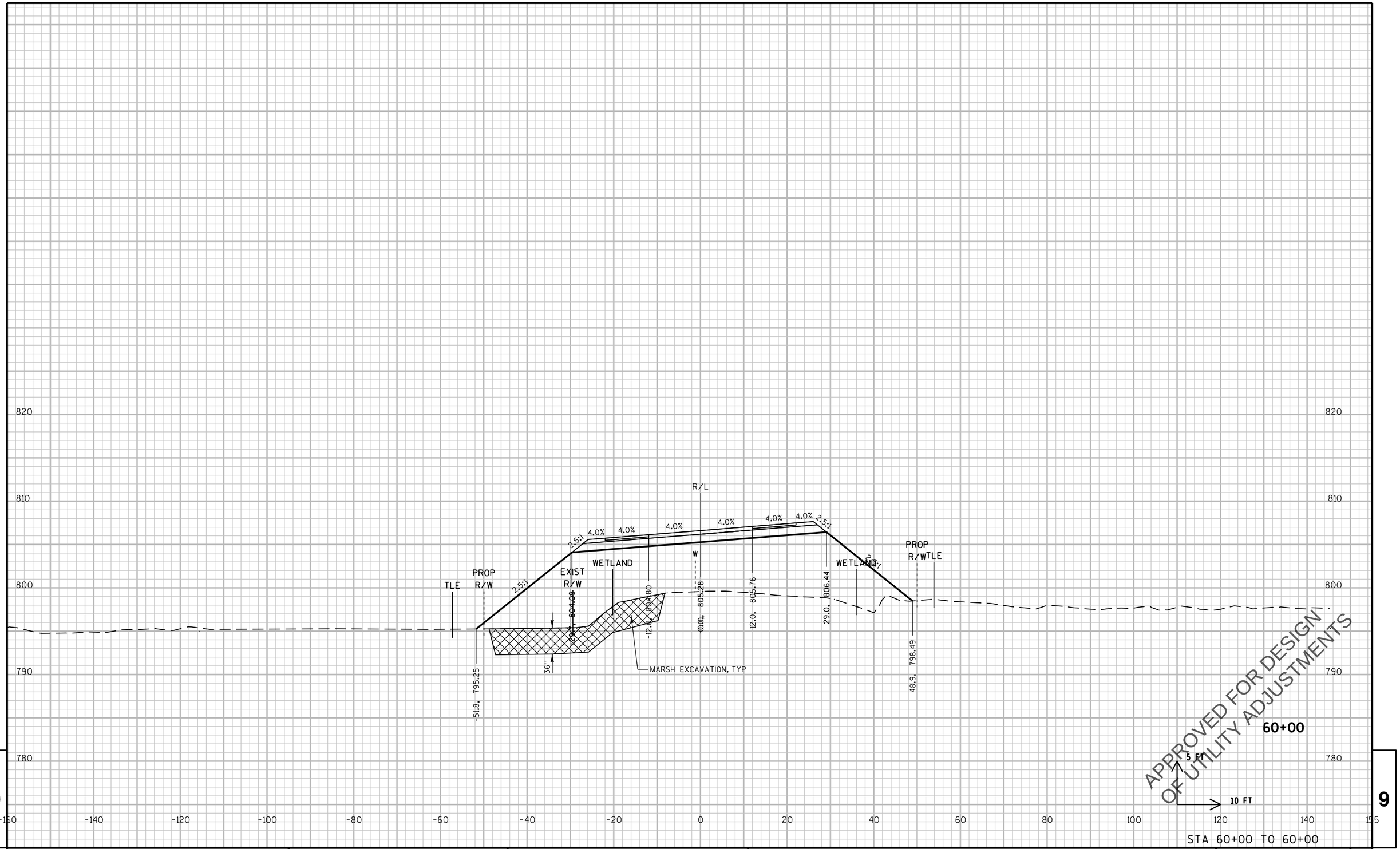
STA 59+75 TO 59+75

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: SUNSET DRIVE	SHEET	E

PRE_720

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090303_XS_SUN.dgn PLOT DATE : 4/11/2016 10:13:44 AM PLOT BY : dbaumann PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



9

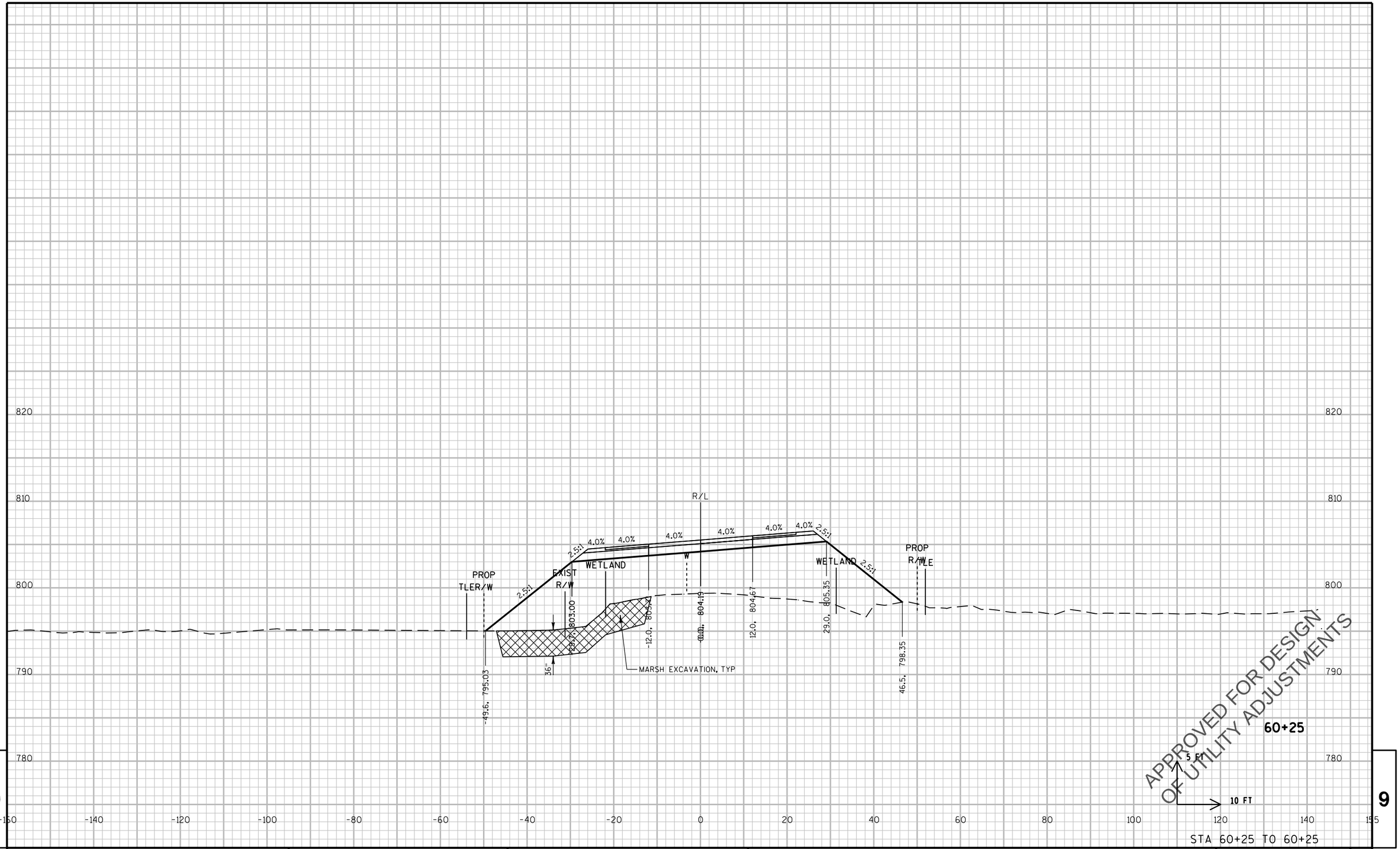
9

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: SUNSET DRIVE	SHEET E

PRE_721

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090303_XS_SUN.dgn PLOT DATE : 4/11/2016 10:13:45 AM PLOT BY : dbaumann PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

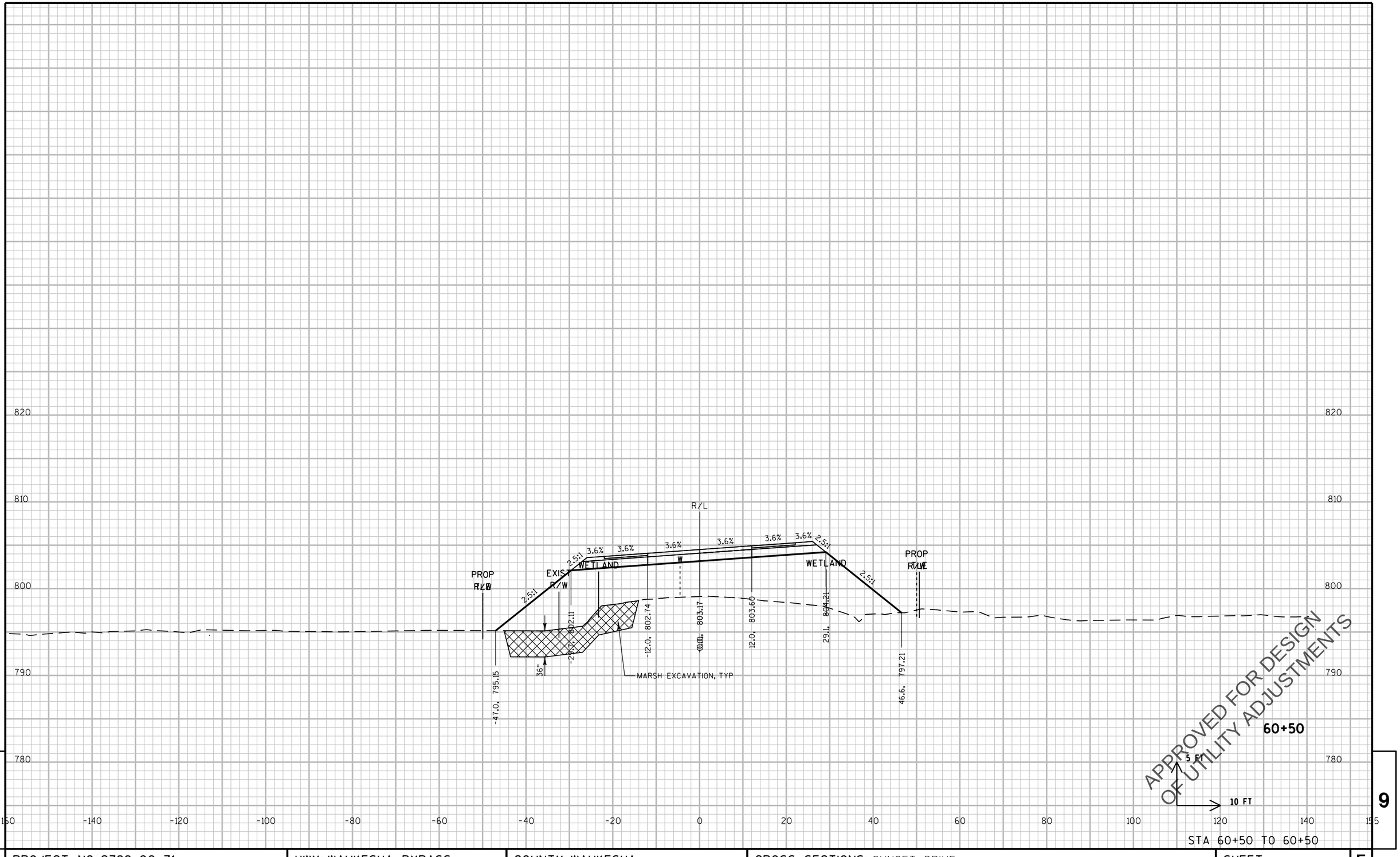


PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: SUNSET DRIVE	SHEET E

PRE_722

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090303_XS_SUN.dgn PLOT DATE : 4/11/2016 10:13:45 AM PLOT BY : dbaumann PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

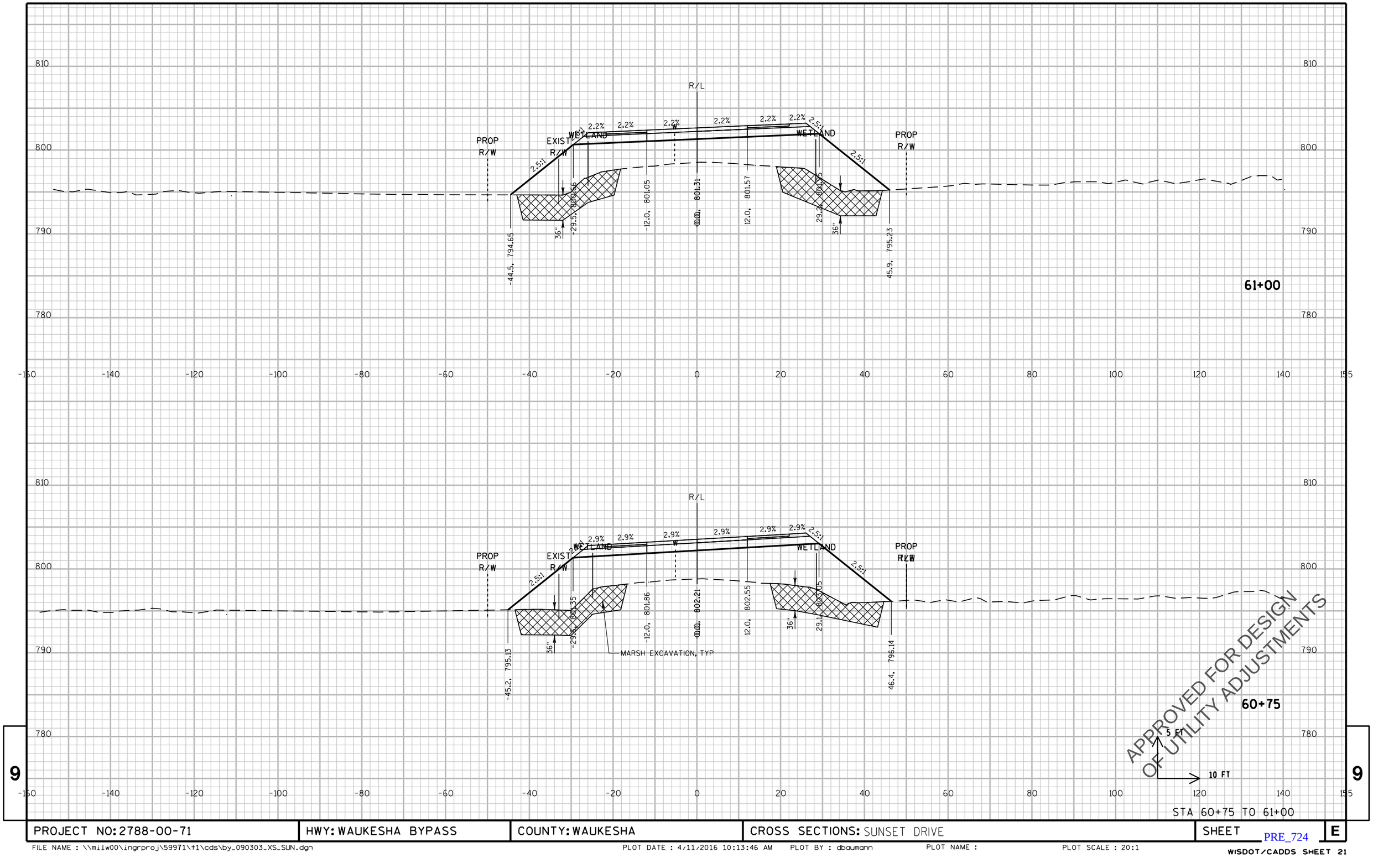


PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: SUNSET DRIVE	SHEET E

PRE_723

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090303_XS_SUN.dgn PLOT DATE : 4/11/2016 10:13:46 AM PLOT BY : dbaumann PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS

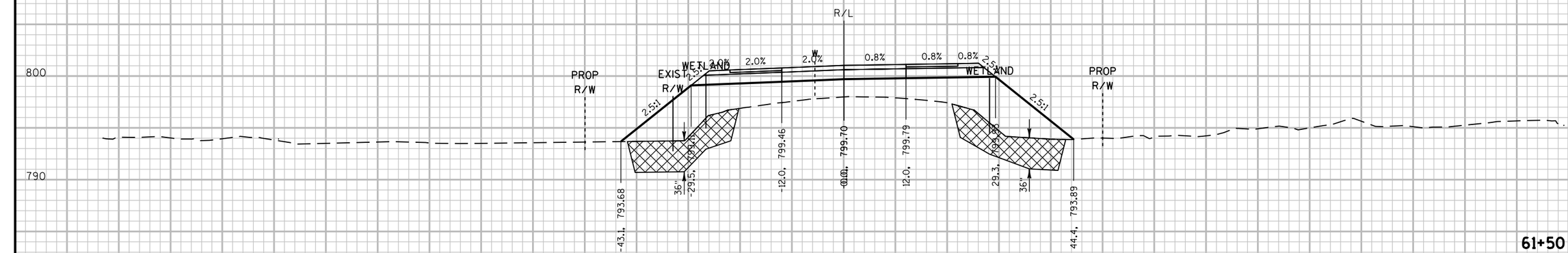
STA 60+75 TO 61+00

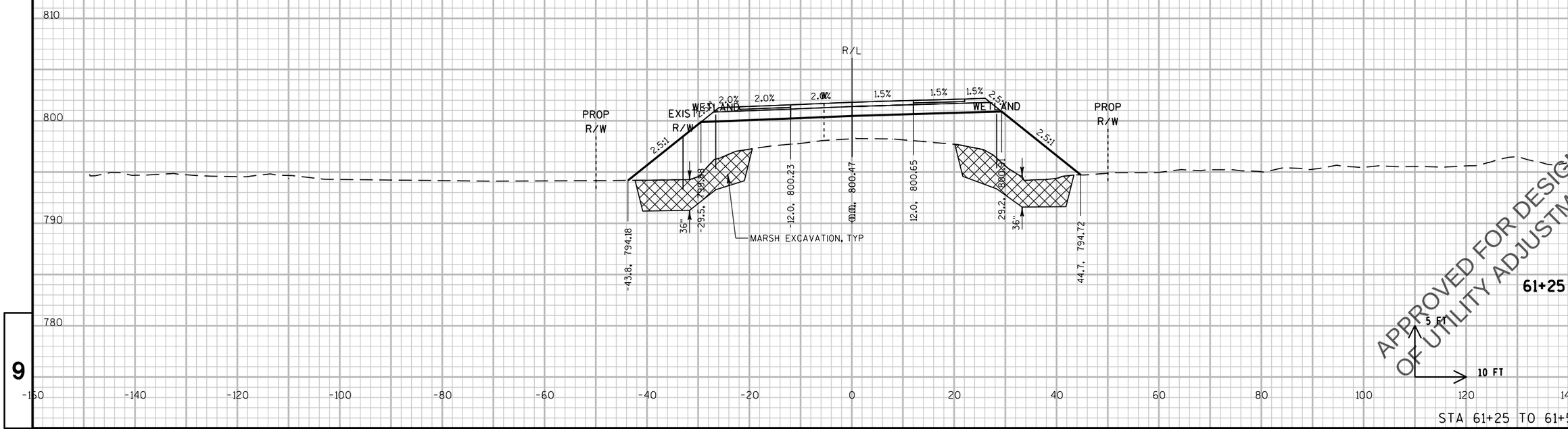
PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: SUNSET DRIVE	SHEET	E

PRE_724

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090303_XS_SUN.dgn PLOT DATE : 4/11/2016 10:13:46 AM PLOT BY : dbaumann PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



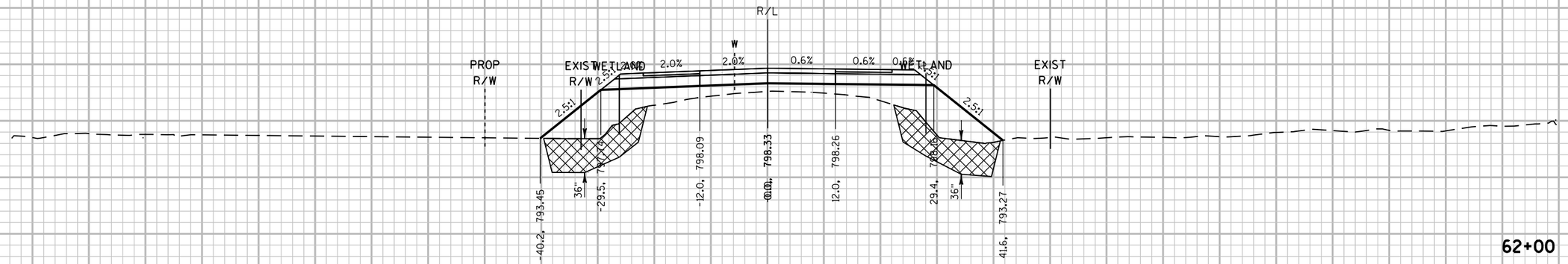


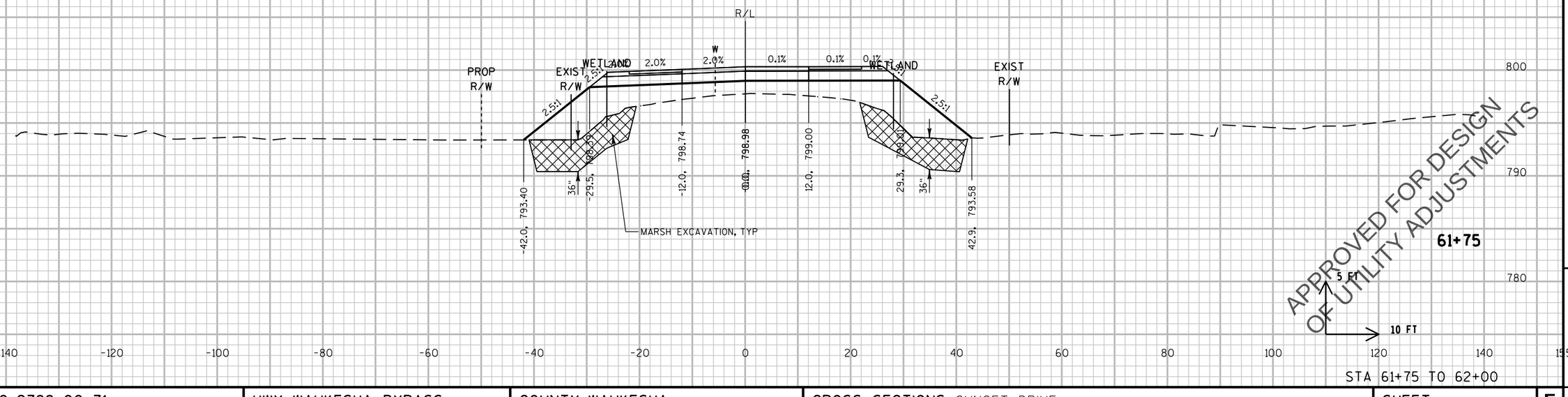
PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: SUNSET DRIVE	SHEET	E

PRE_725

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090303_XS_SUN.dgn PLOT DATE : 4/11/2016 10:13:47 AM PLOT BY : dbaumann PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



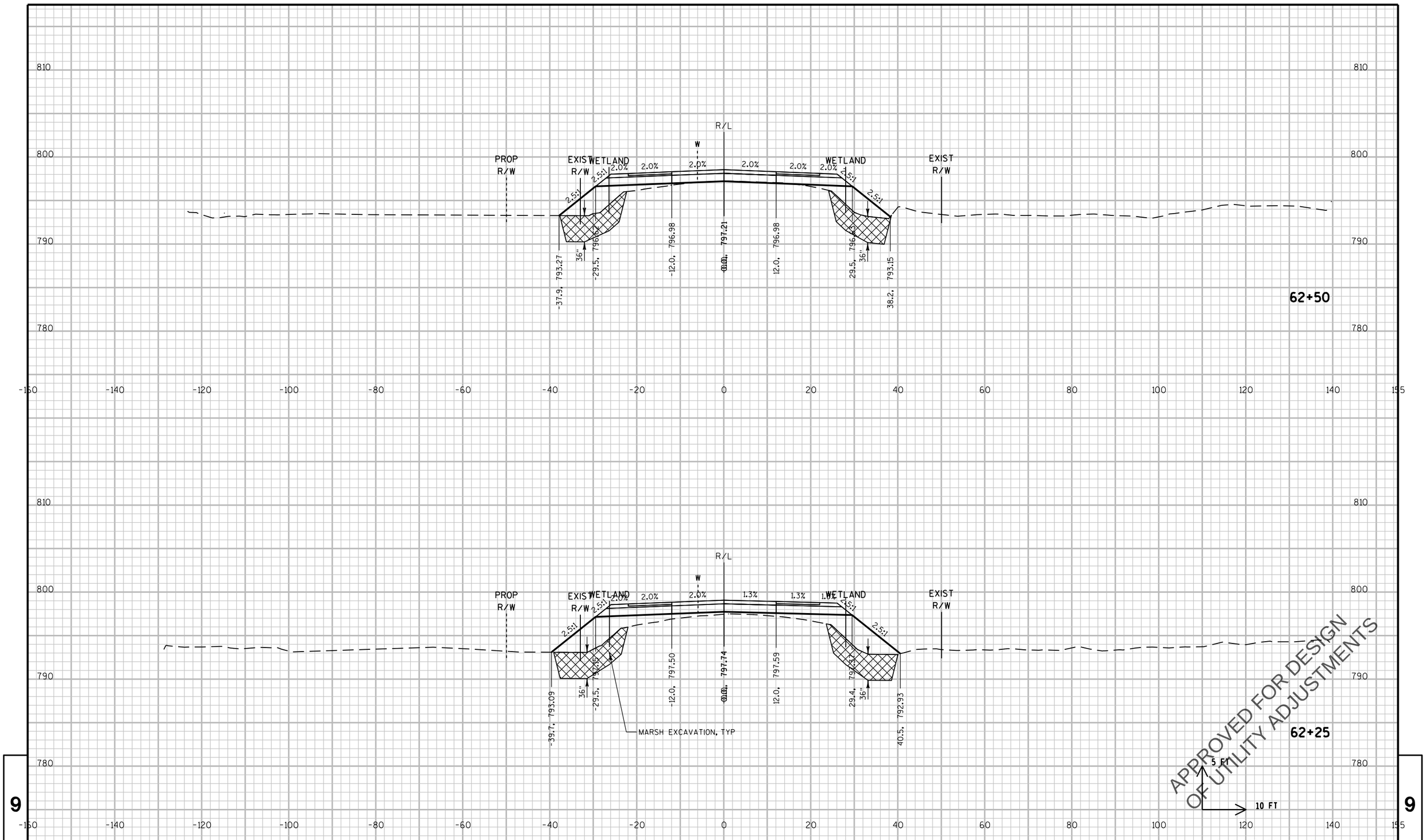


PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: SUNSET DRIVE	SHEET E

PRE_726

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090303_XS_SUN.dgn PLOT DATE : 4/11/2016 10:13:47 AM PLOT BY : dbaumann PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

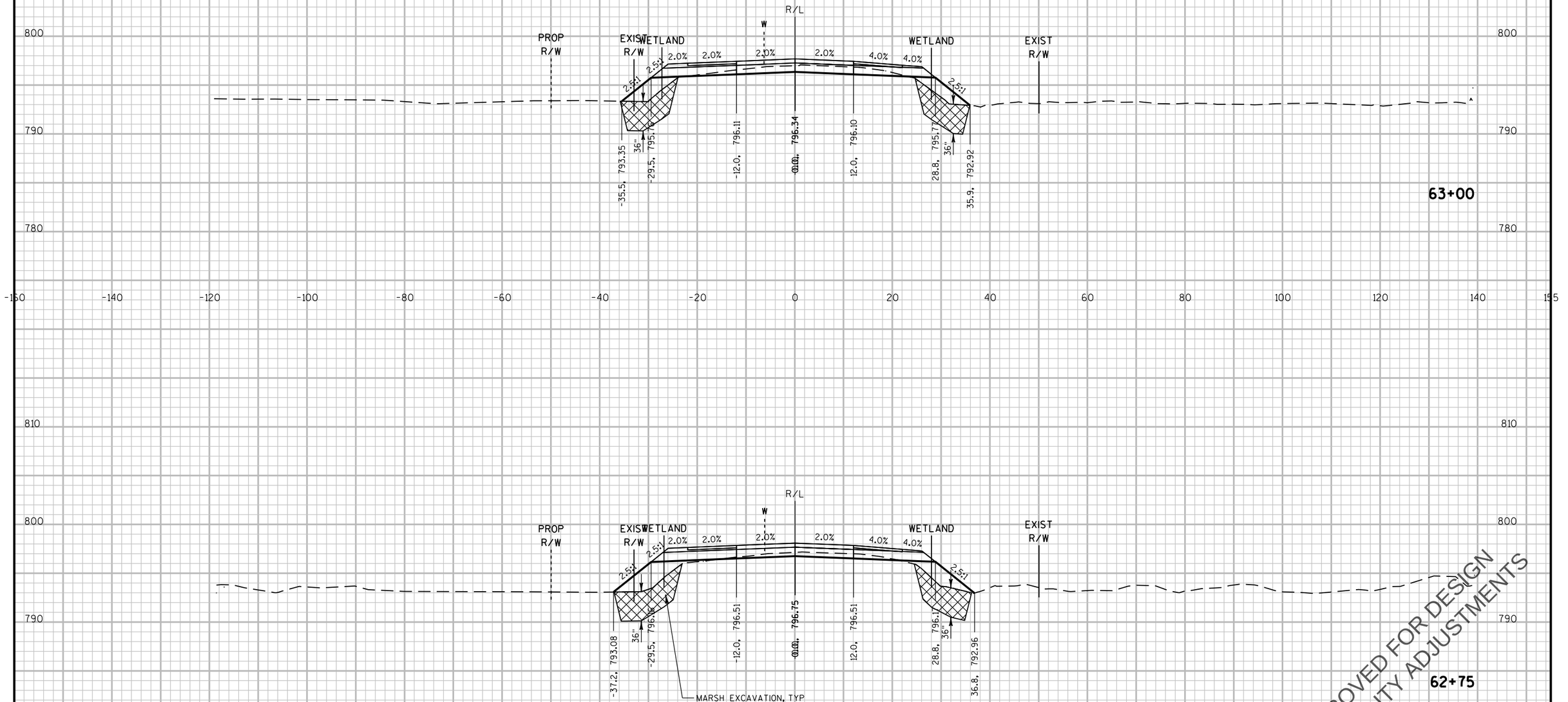


PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: SUNSET DRIVE	SHEET E

PRE_727

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090303_XS_SUN.dgn PLOT DATE : 4/11/2016 10:13:48 AM PLOT BY : dbaumann PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

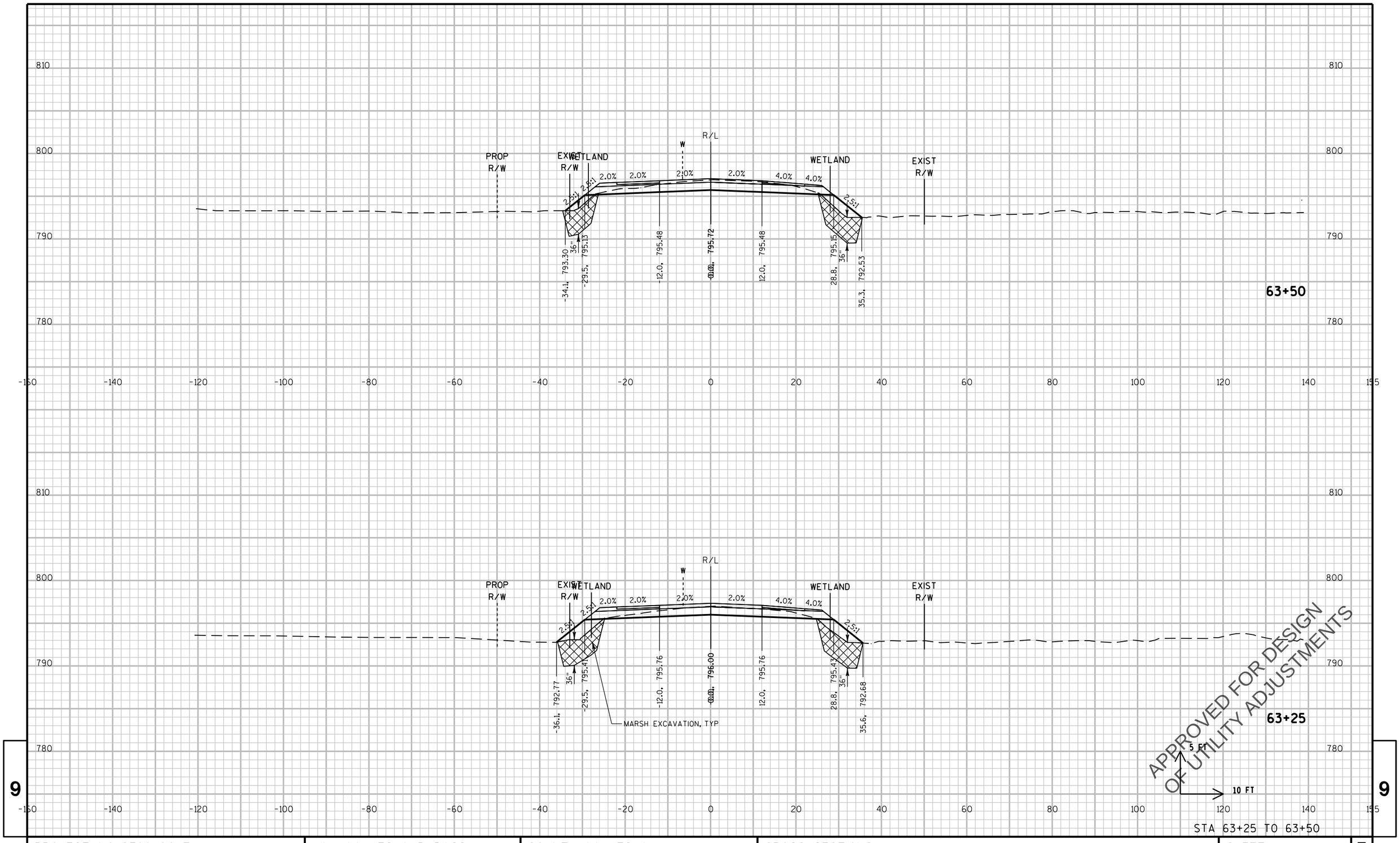


PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: SUNSET DRIVE	SHEET E

PRE_728

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090303_XS_SUN.dgn PLOT DATE : 4/11/2016 10:13:48 AM PLOT BY : dbaumann PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

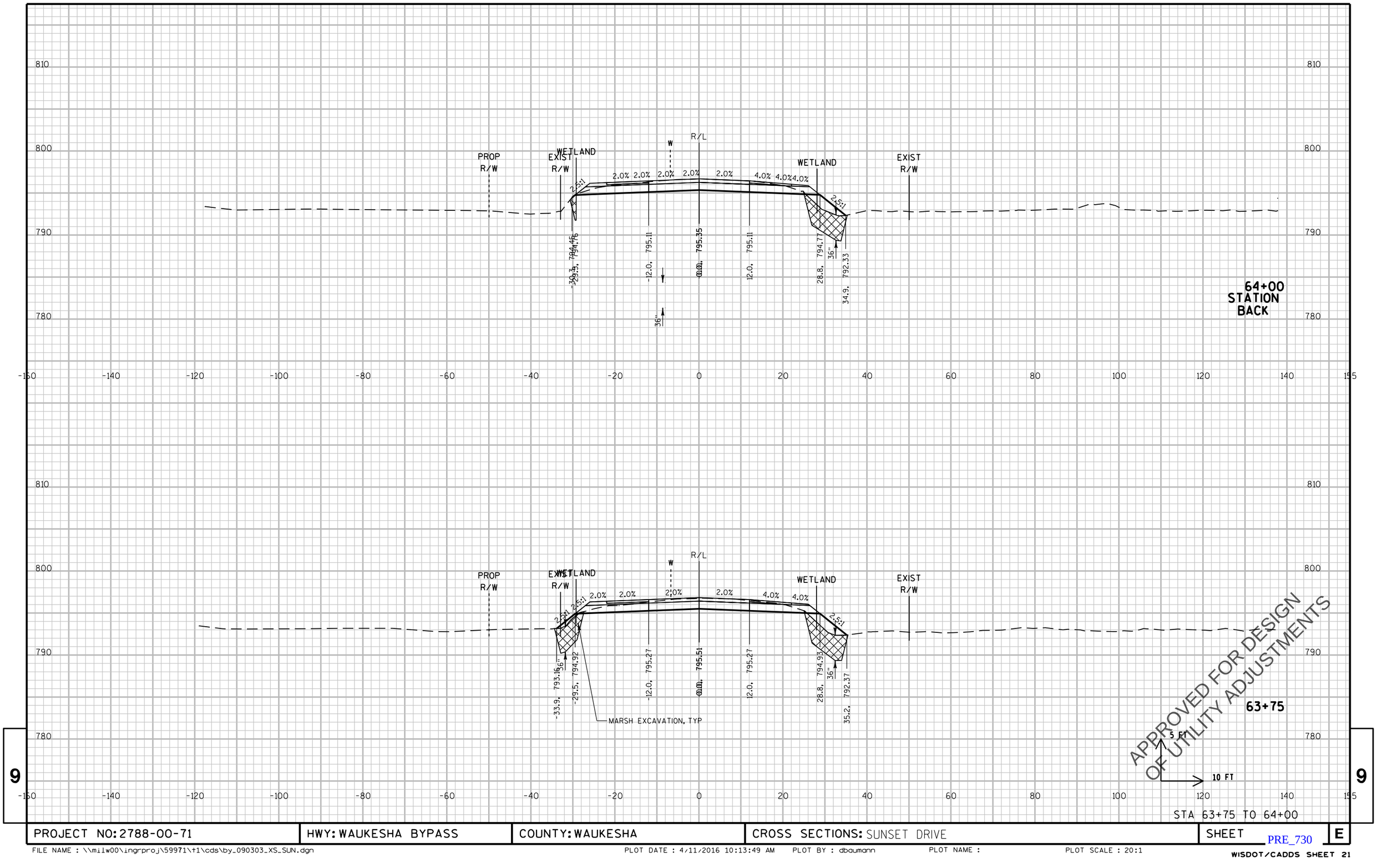


PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: SUNSET DRIVE	SHEET E

PRE_729

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090303_XS_SUN.dgn PLOT DATE : 4/11/2016 10:13:48 AM PLOT BY : dbaumann PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

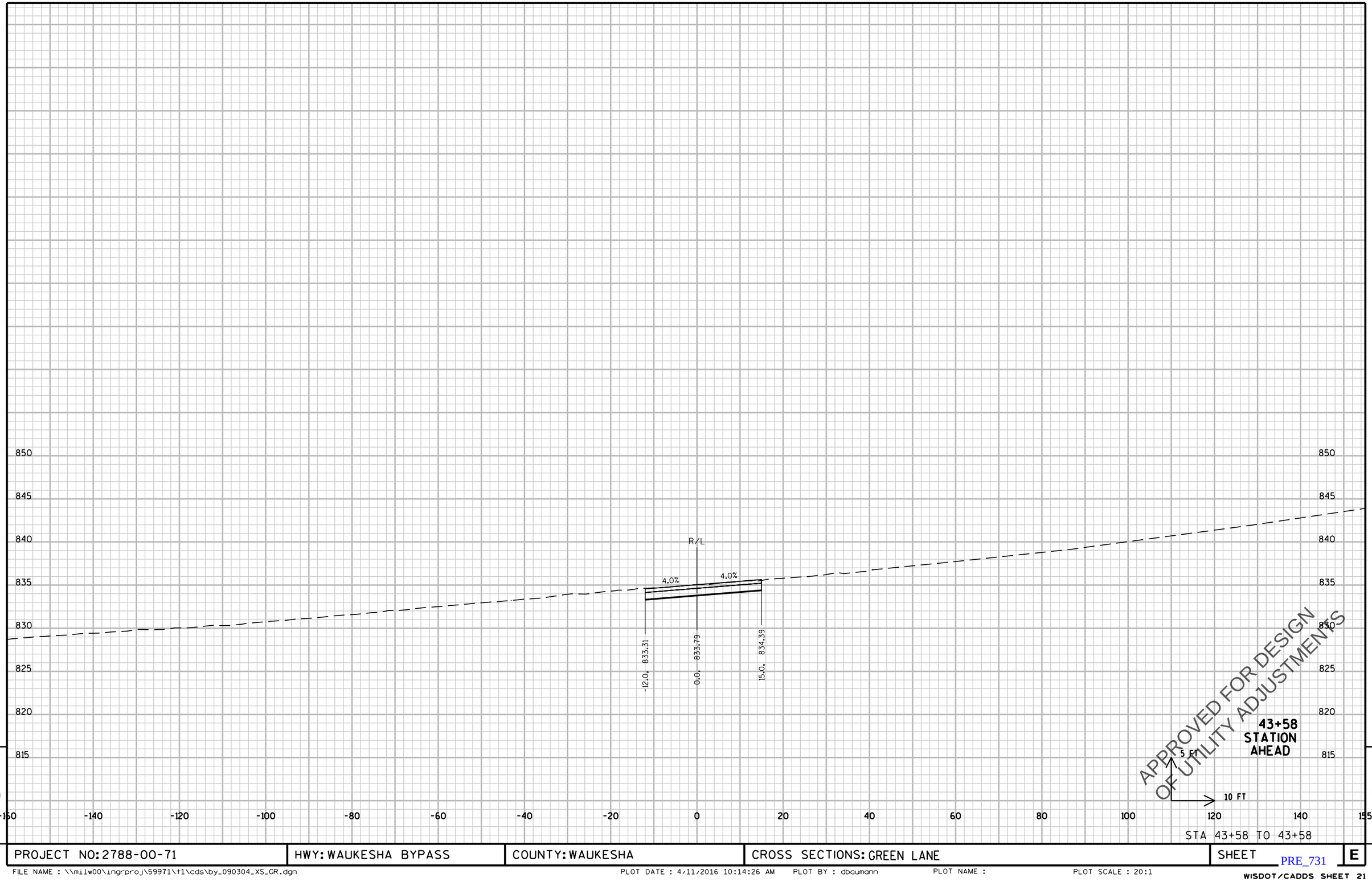


PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: SUNSET DRIVE	SHEET E

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090303_XS_SUN.dgn PLOT DATE : 4/11/2016 10:13:49 AM PLOT BY : dbaumann PLOT NAME : PLOT SCALE : 20:1

PRE_730

WISDOT/CADDS SHEET 21



9

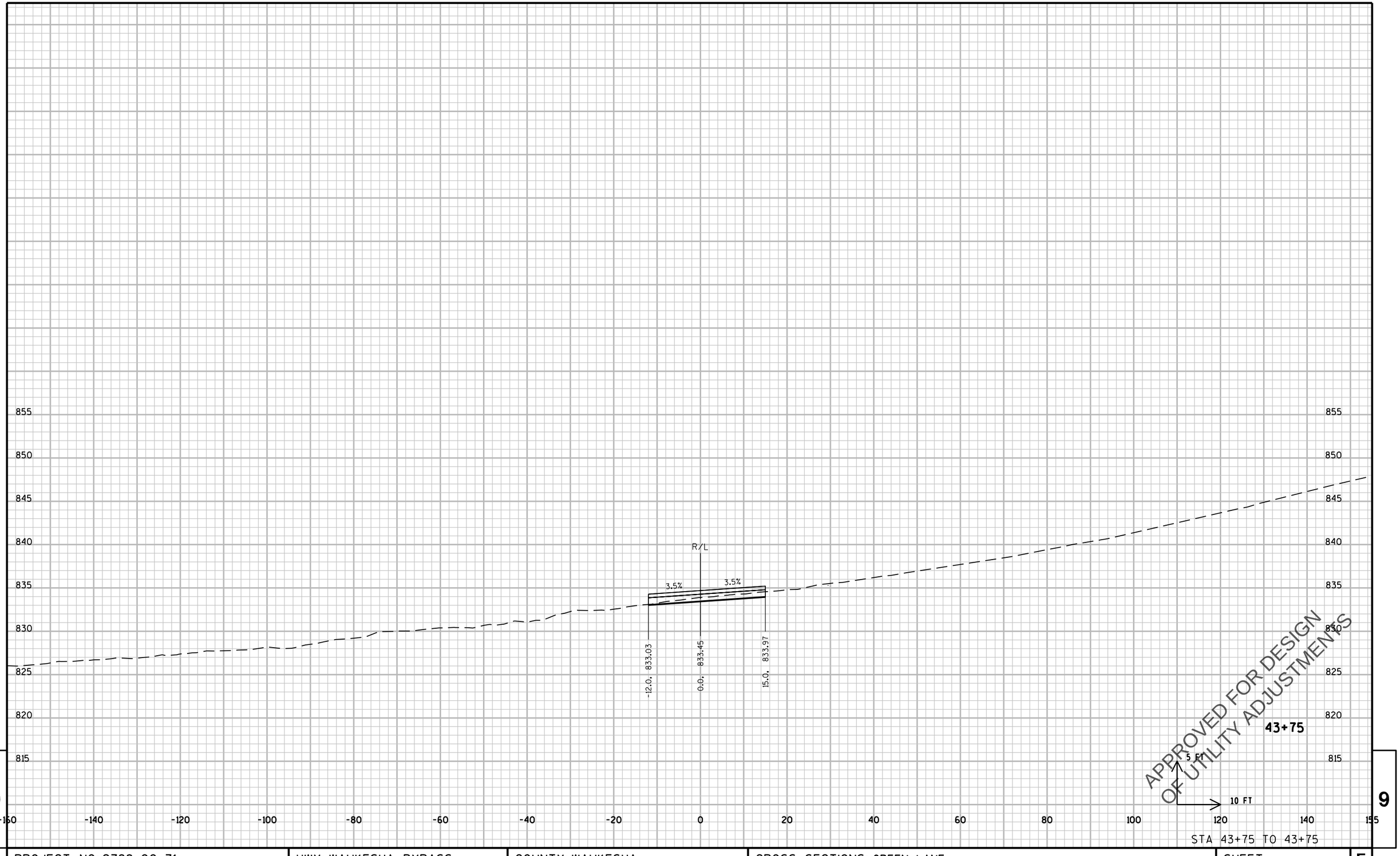
9

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: GREEN LANE	SHEET	E

PRE_731

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090304_XS_GR.dgn PLOT DATE : 4/11/2016 10:14:26 AM PLOT BY : dbaumann PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



9

9

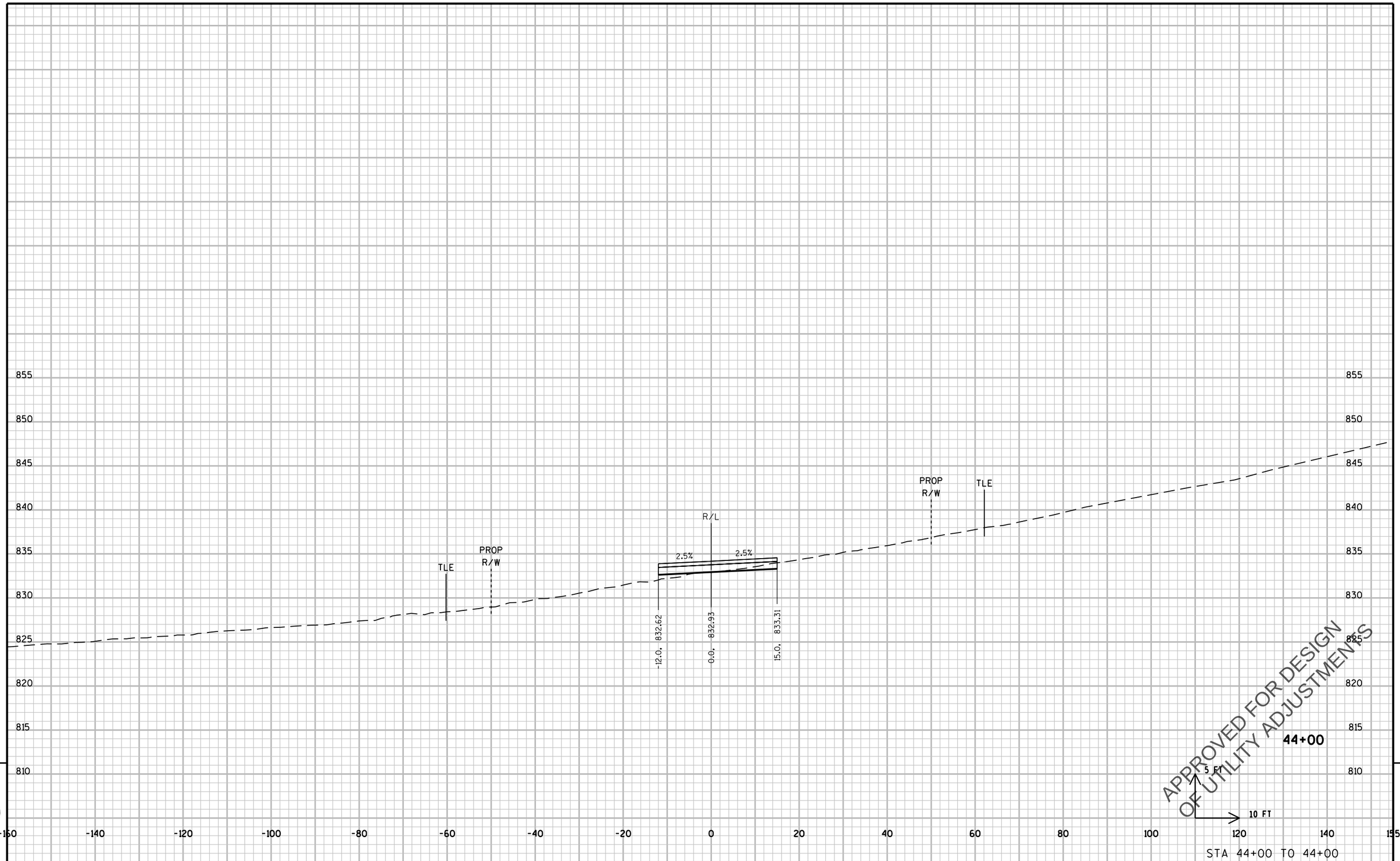
STA 43+75 TO 43+75

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: GREEN LANE	SHEET E

PRE_732

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090304_XS_GR.dgn PLOT DATE : 4/11/2016 10:14:26 AM PLOT BY : dbaumann PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



9

9

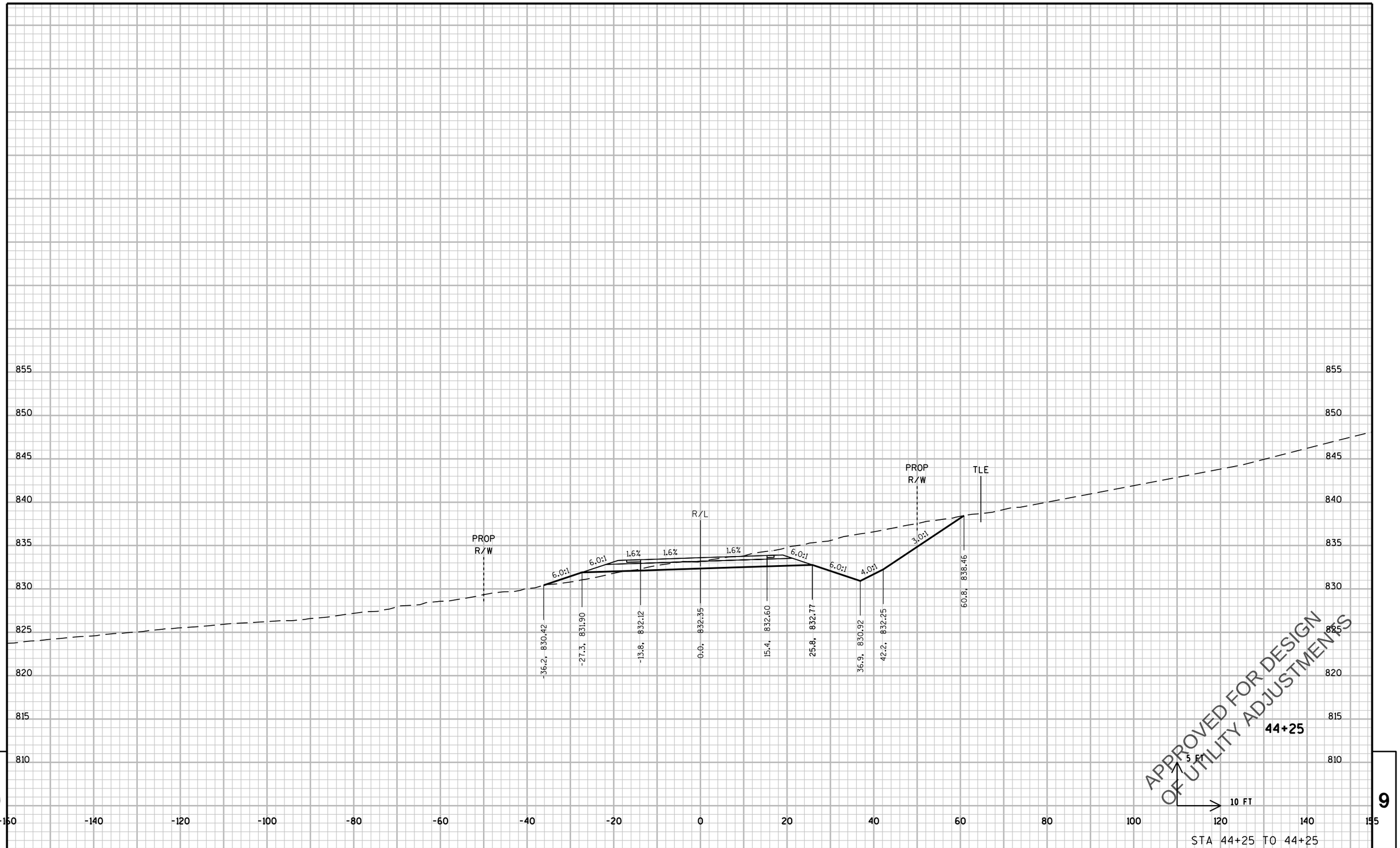
STA 44+00 TO 44+00

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: GREEN LANE	SHEET E

PRE_733

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090304_XS_GR.dgn PLOT DATE : 4/11/2016 10:14:27 AM PLOT BY : dbaumann PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

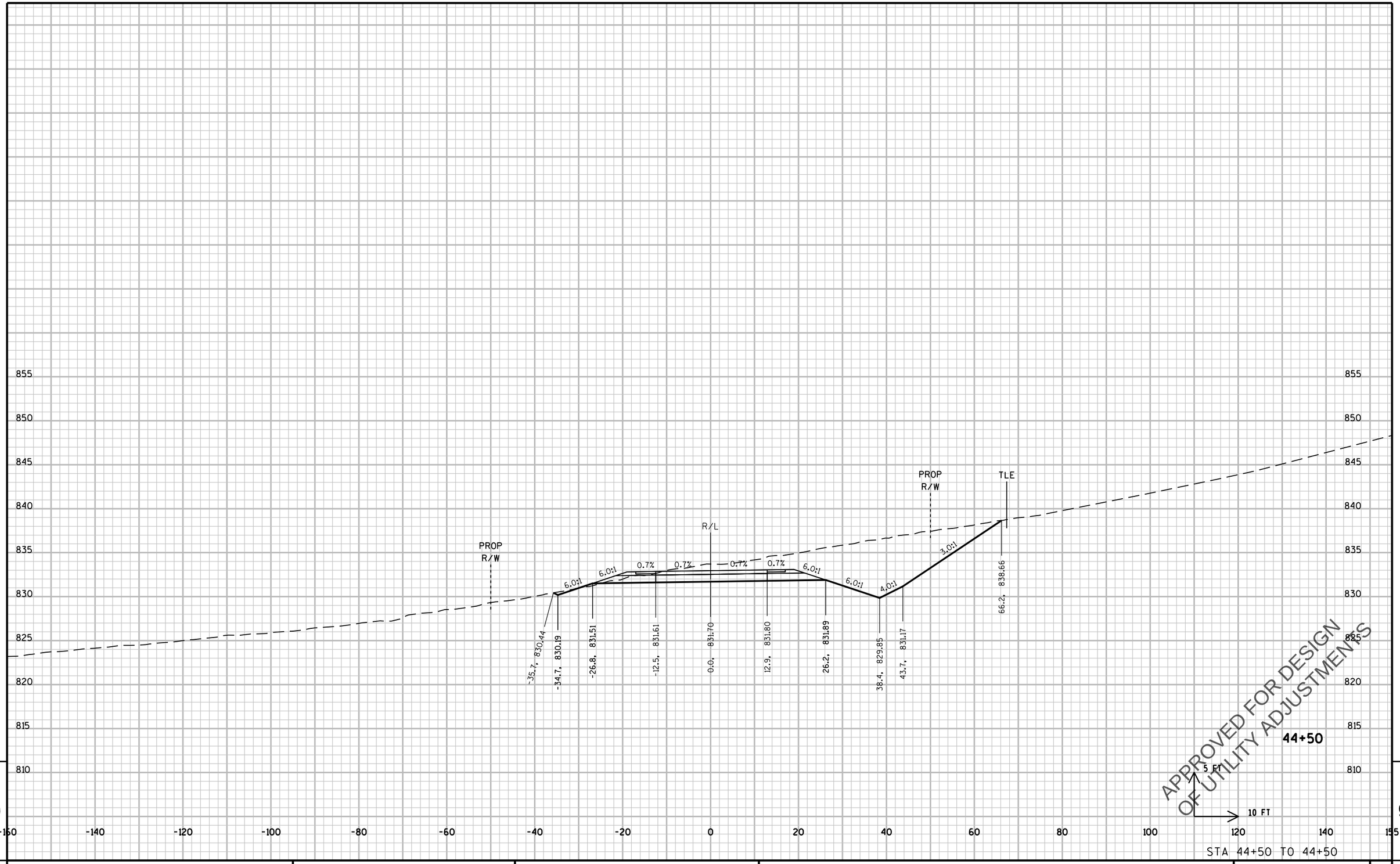


PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: GREEN LANE	SHEET E

PRE_734

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090304_XS_GR.dgn PLOT DATE : 4/11/2016 10:14:27 AM PLOT BY : dbaumann PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



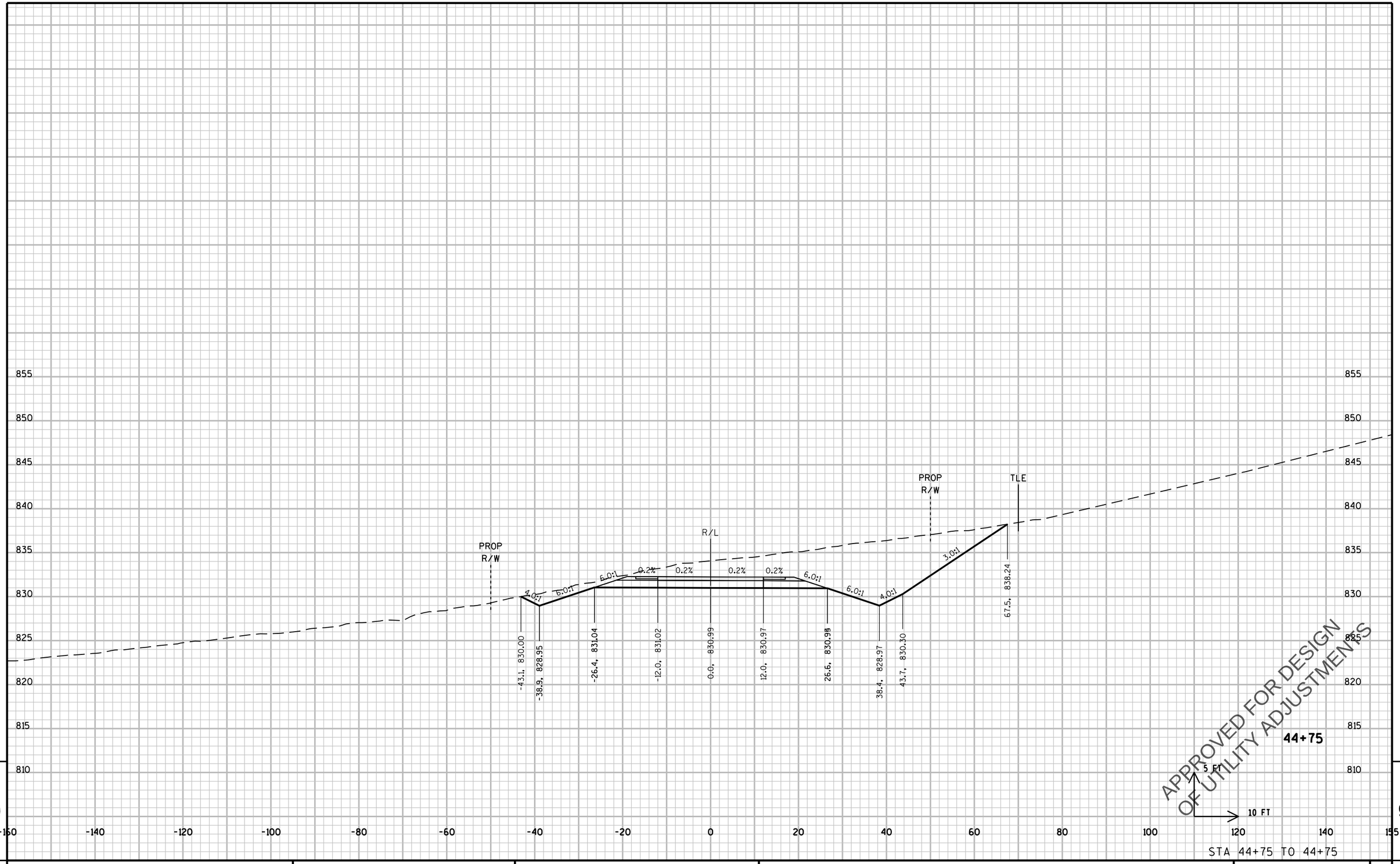
9 9

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: GREEN LANE	SHEET E

PRE_735

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090304_XS_GR.dgn PLOT DATE : 4/11/2016 10:14:28 AM PLOT BY : dbaumann PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



9

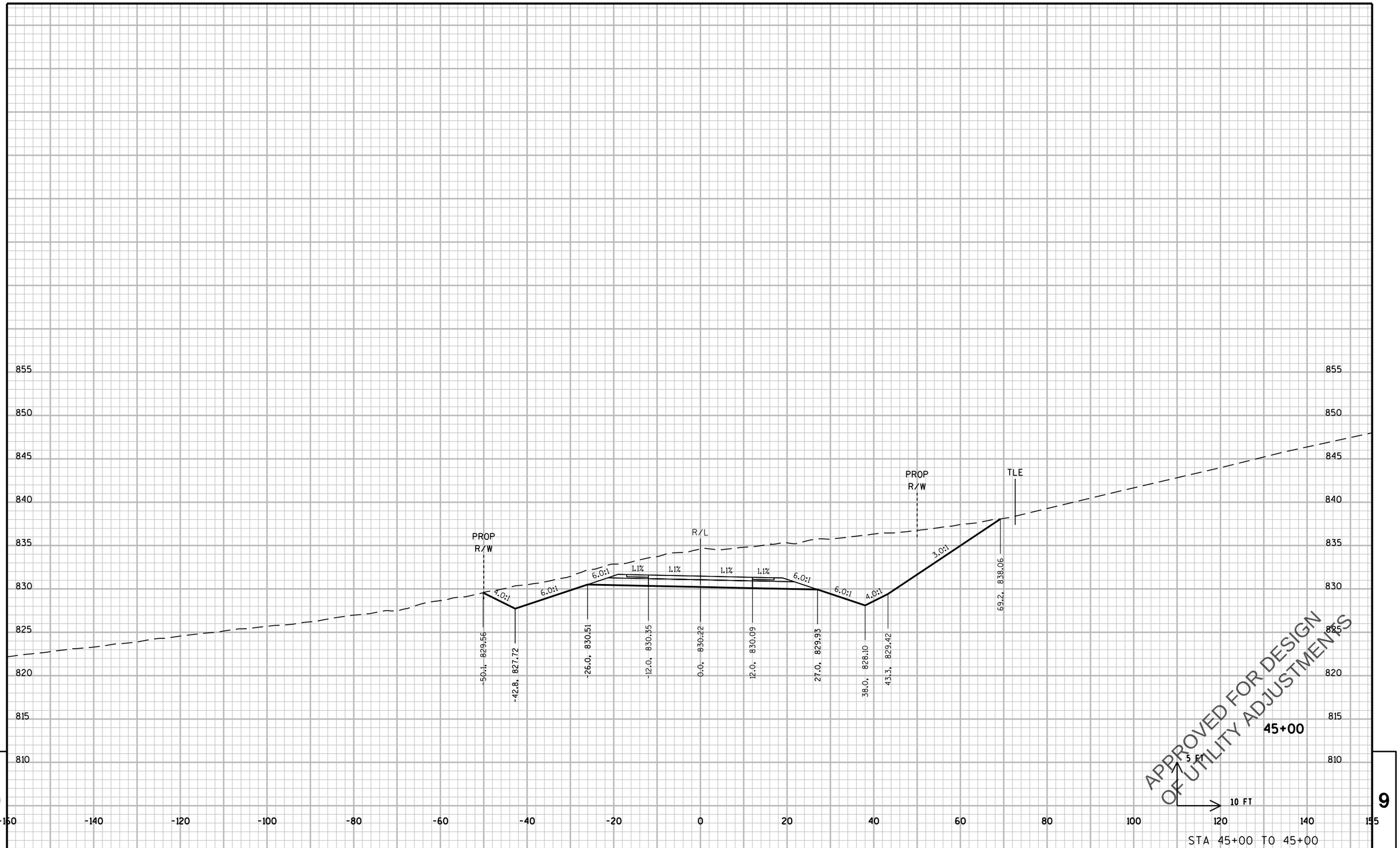
9

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: GREEN LANE	SHEET E

PRE_736

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090304_XS_GR.dgn PLOT DATE : 4/11/2016 10:14:28 AM PLOT BY : dbaumann PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



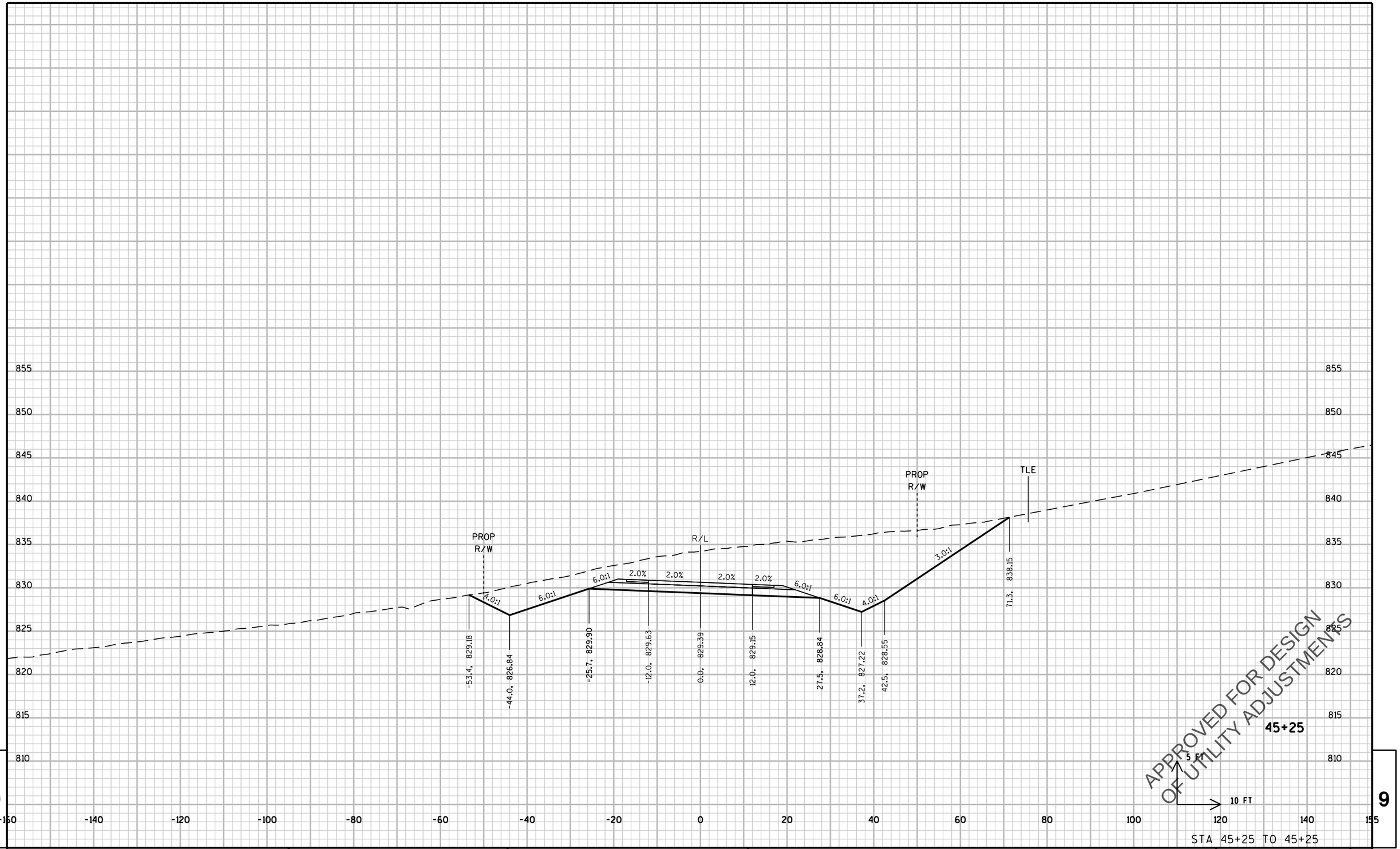
9 9

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: GREEN LANE	SHEET E

PRE_737

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090304_XS_GR.dgn PLOT DATE : 4/11/2016 10:14:28 AM PLOT BY : dbaumann PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



9

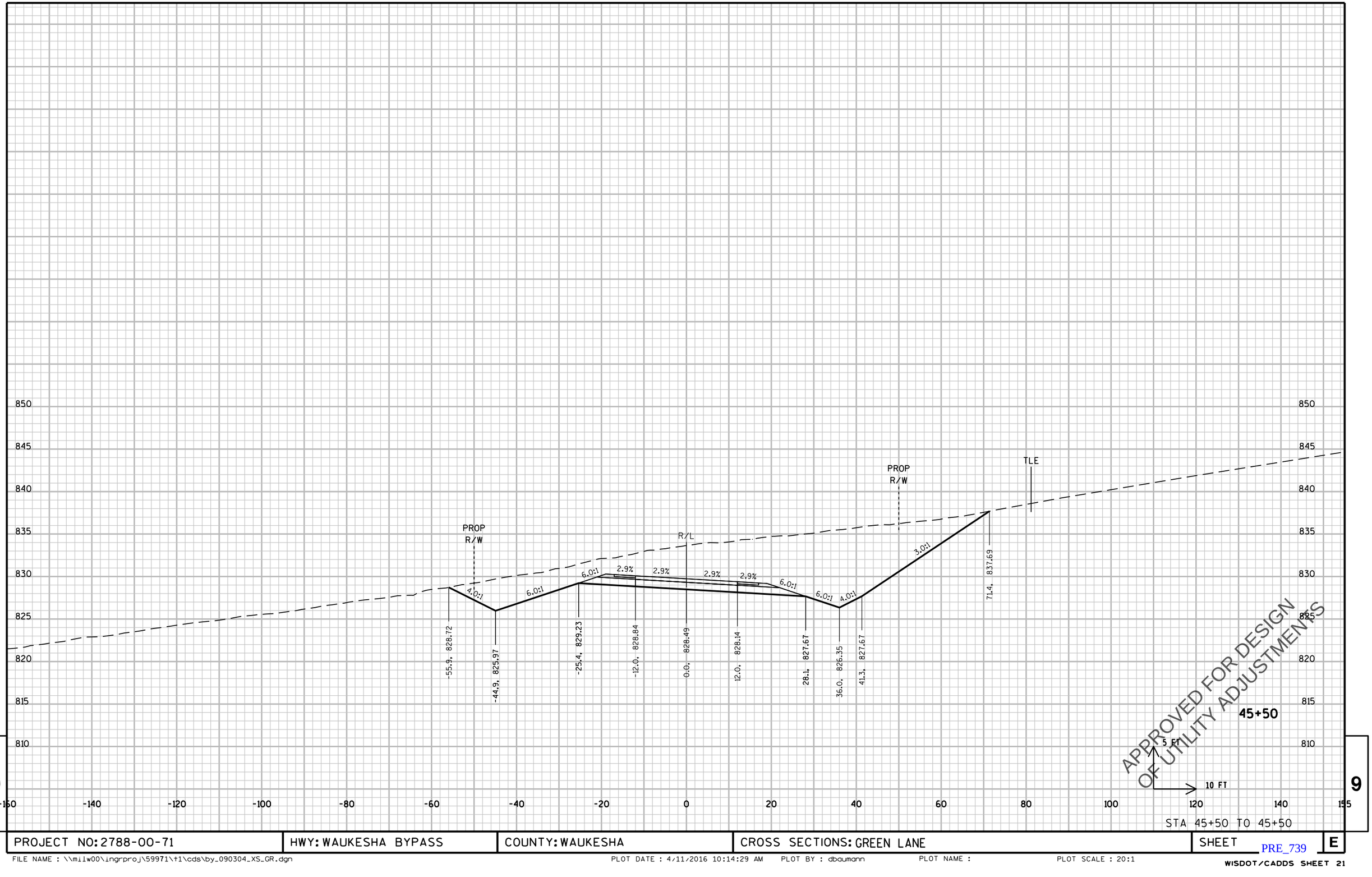
9

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: GREEN LANE	SHEET E

PRE_738

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090304_XS_GR.dgn PLOT DATE : 4/11/2016 10:14:29 AM PLOT BY : dbaumann PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



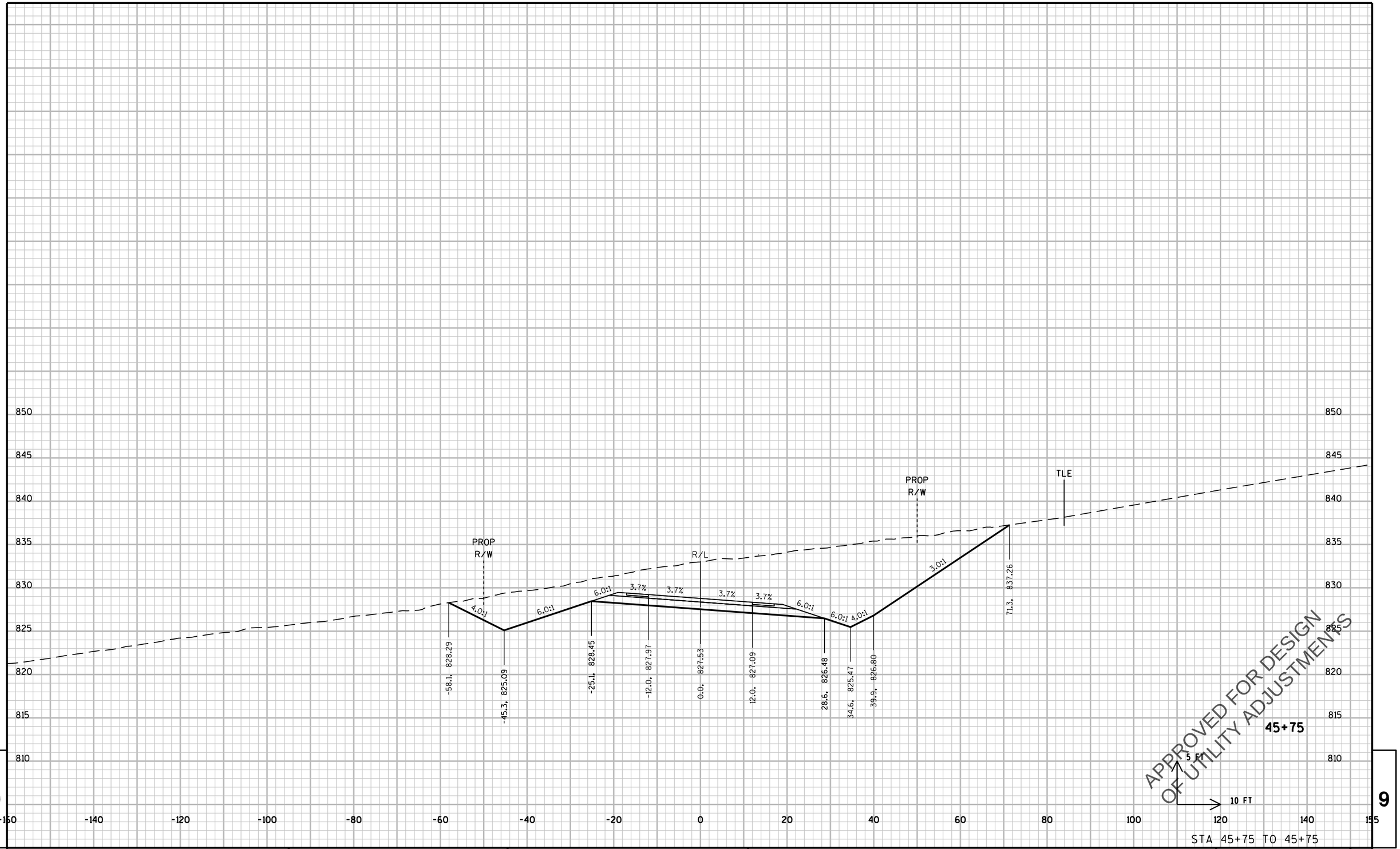
STA 45+50 TO 45+50

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: GREEN LANE	SHEET	E

PRE_739

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090304_XS_GR.dgn PLOT DATE : 4/11/2016 10:14:29 AM PLOT BY : dbaumann PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



9

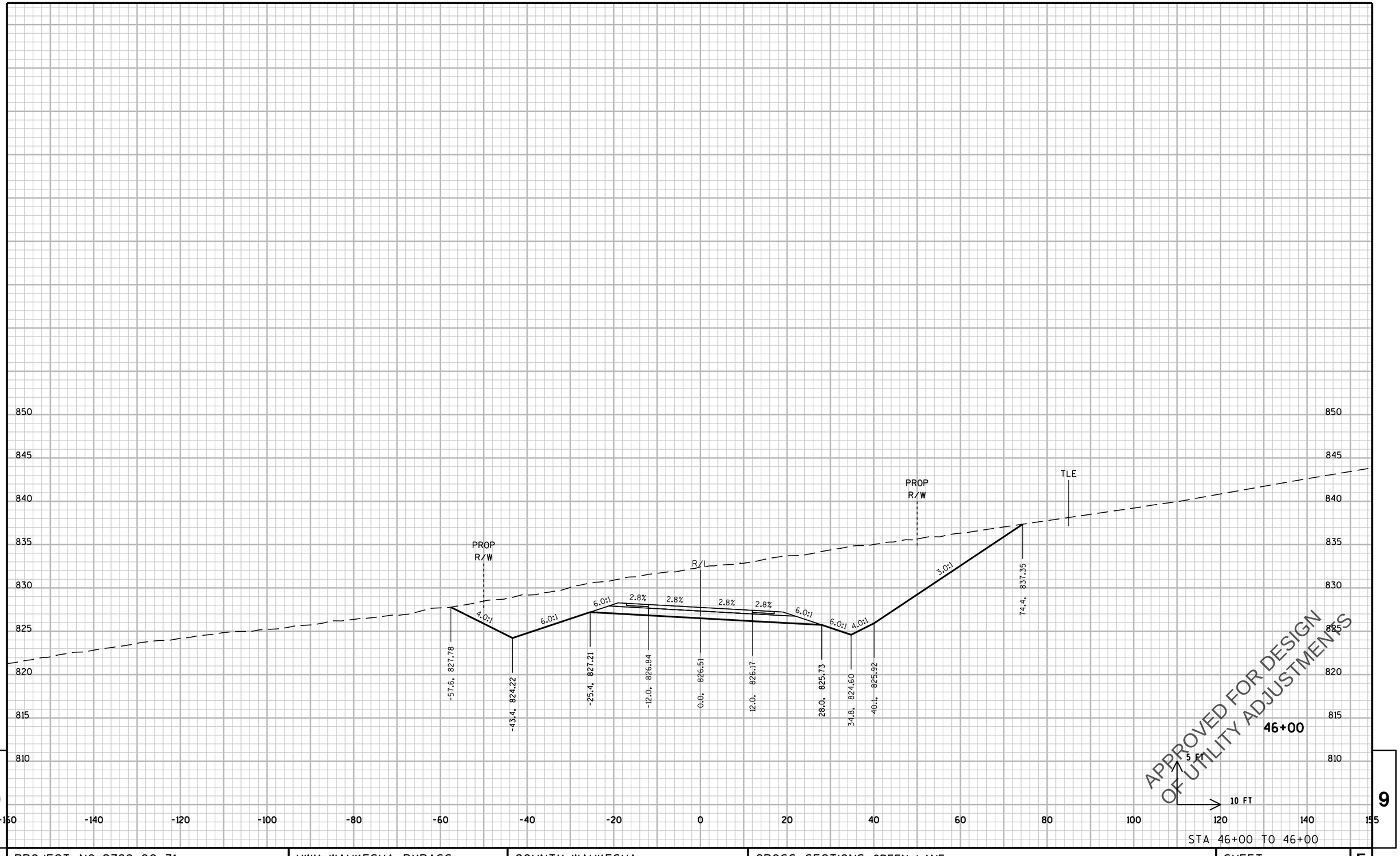
9

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: GREEN LANE	SHEET	E

PRE_740

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090304_XS_GR.dgn PLOT DATE : 4/11/2016 10:14:29 AM PLOT BY : dbaumann PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



9

9

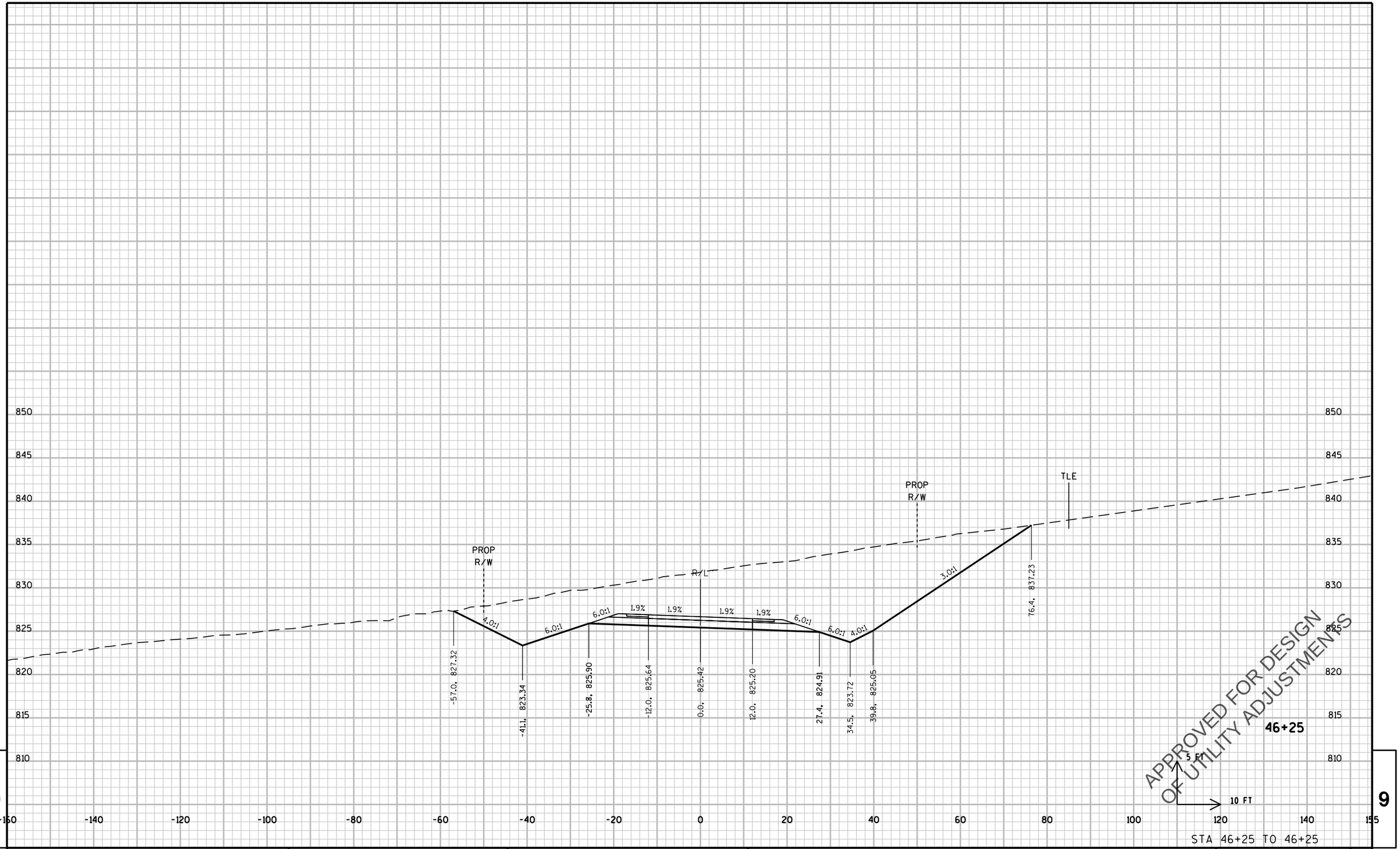
STA 46+00 TO 46+00

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: GREEN LANE	SHEET E

PRE_741

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090304_XS_GR.dgn PLOT DATE : 4/11/2016 10:14:30 AM PLOT BY : dbaumann PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



9

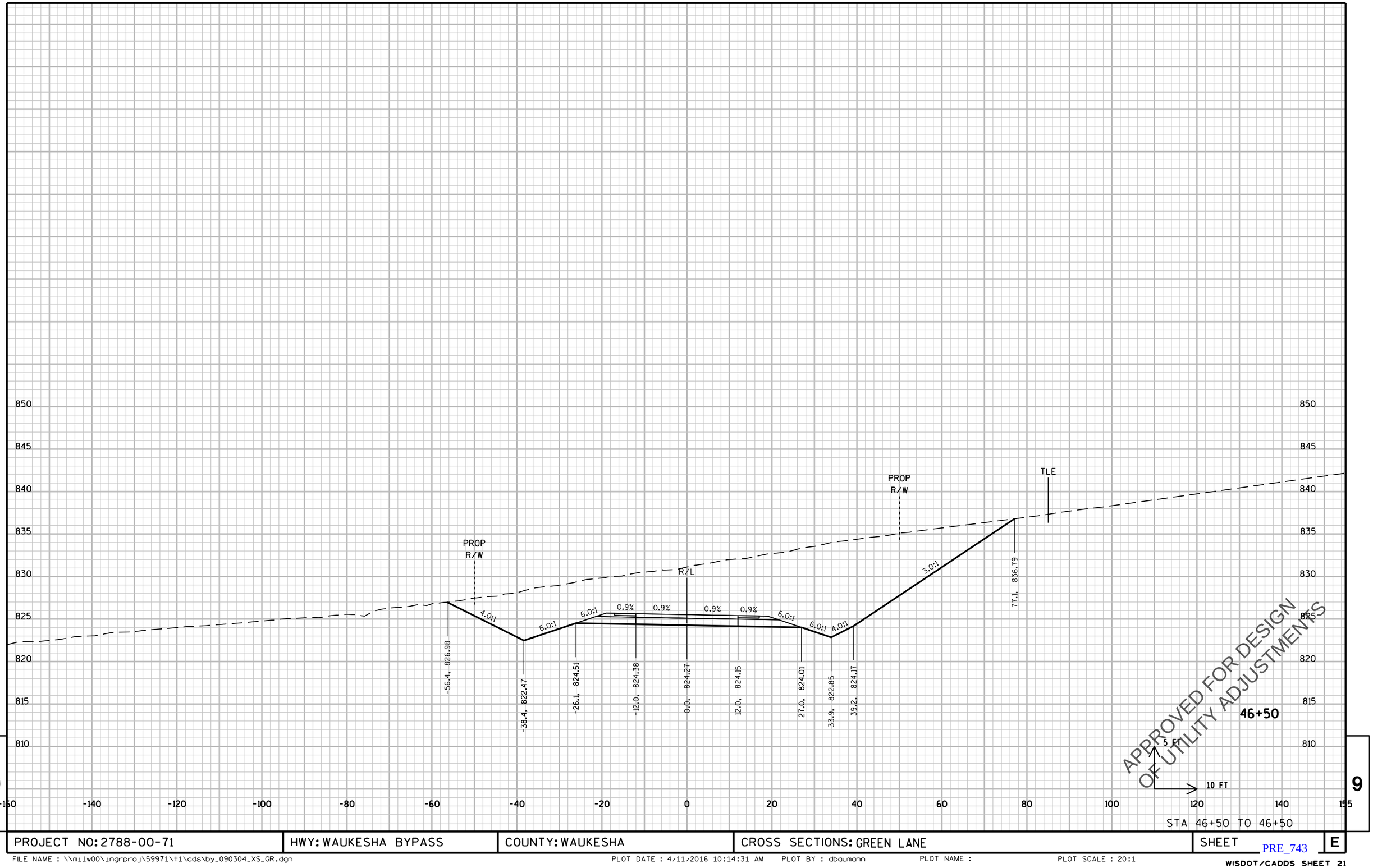
9

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: GREEN LANE	SHEET	E

PRE_742

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090304_XS_GR.dgn PLOT DATE : 4/11/2016 10:14:30 AM PLOT BY : dbaumann PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



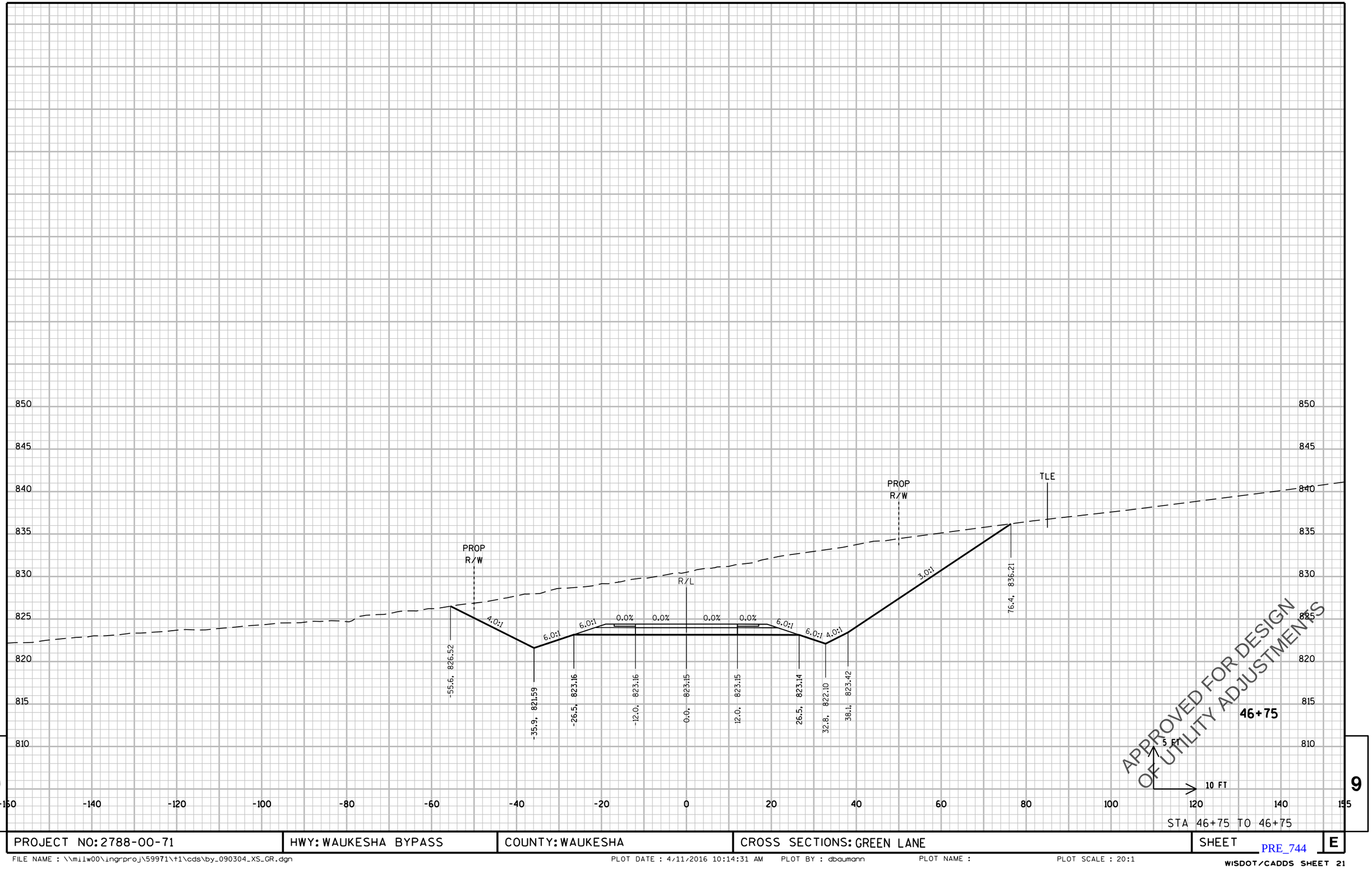
STA 46+50 TO 46+50

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: GREEN LANE	SHEET	E

PRE_743

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090304_XS_GR.dgn PLOT DATE : 4/11/2016 10:14:31 AM PLOT BY : dbaumann PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



9

9

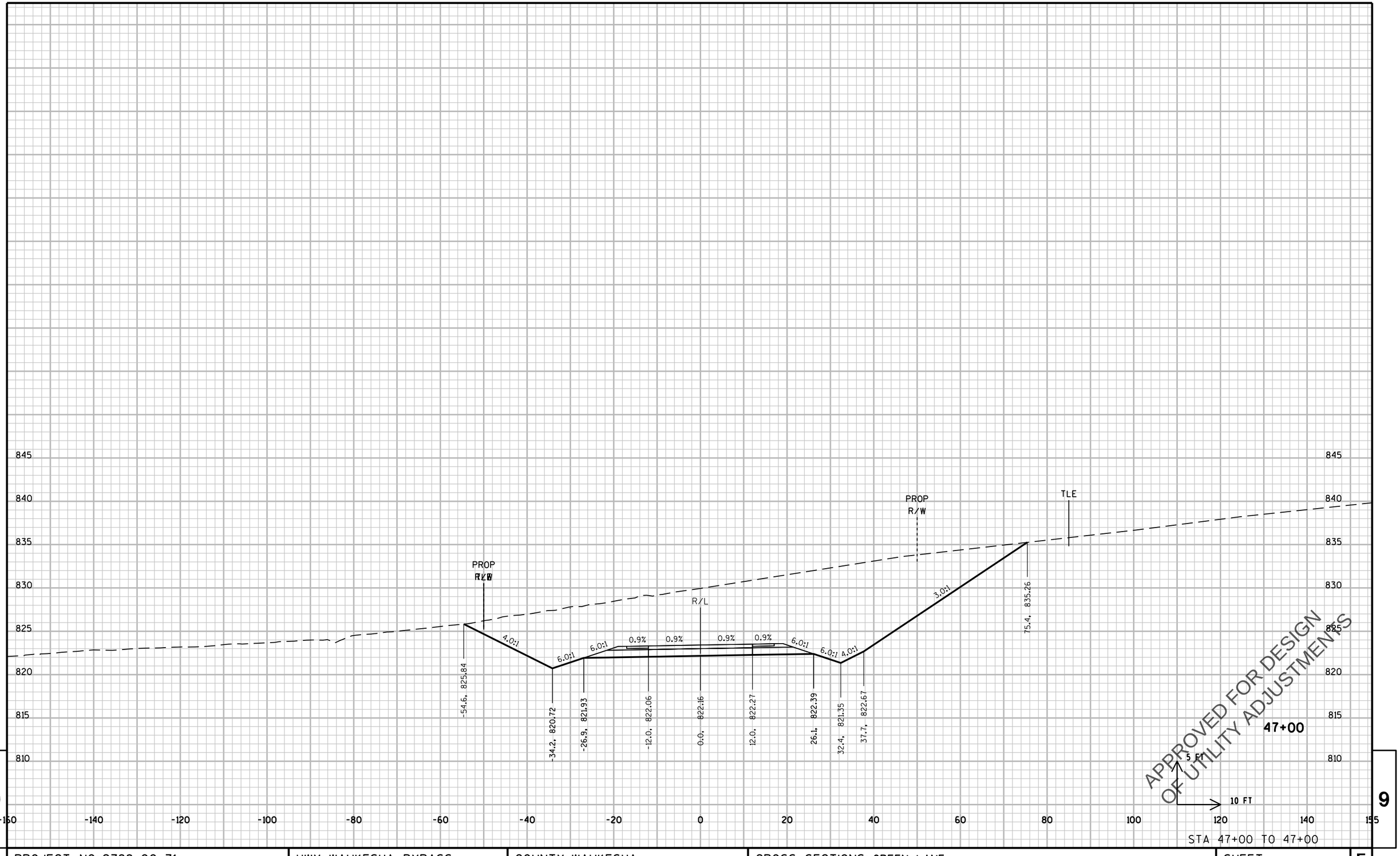
STA 46+75 TO 46+75

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: GREEN LANE	SHEET	E

PRE_744

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090304_XS_GR.dgn PLOT DATE : 4/11/2016 10:14:31 AM PLOT BY : dbaumann PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



9

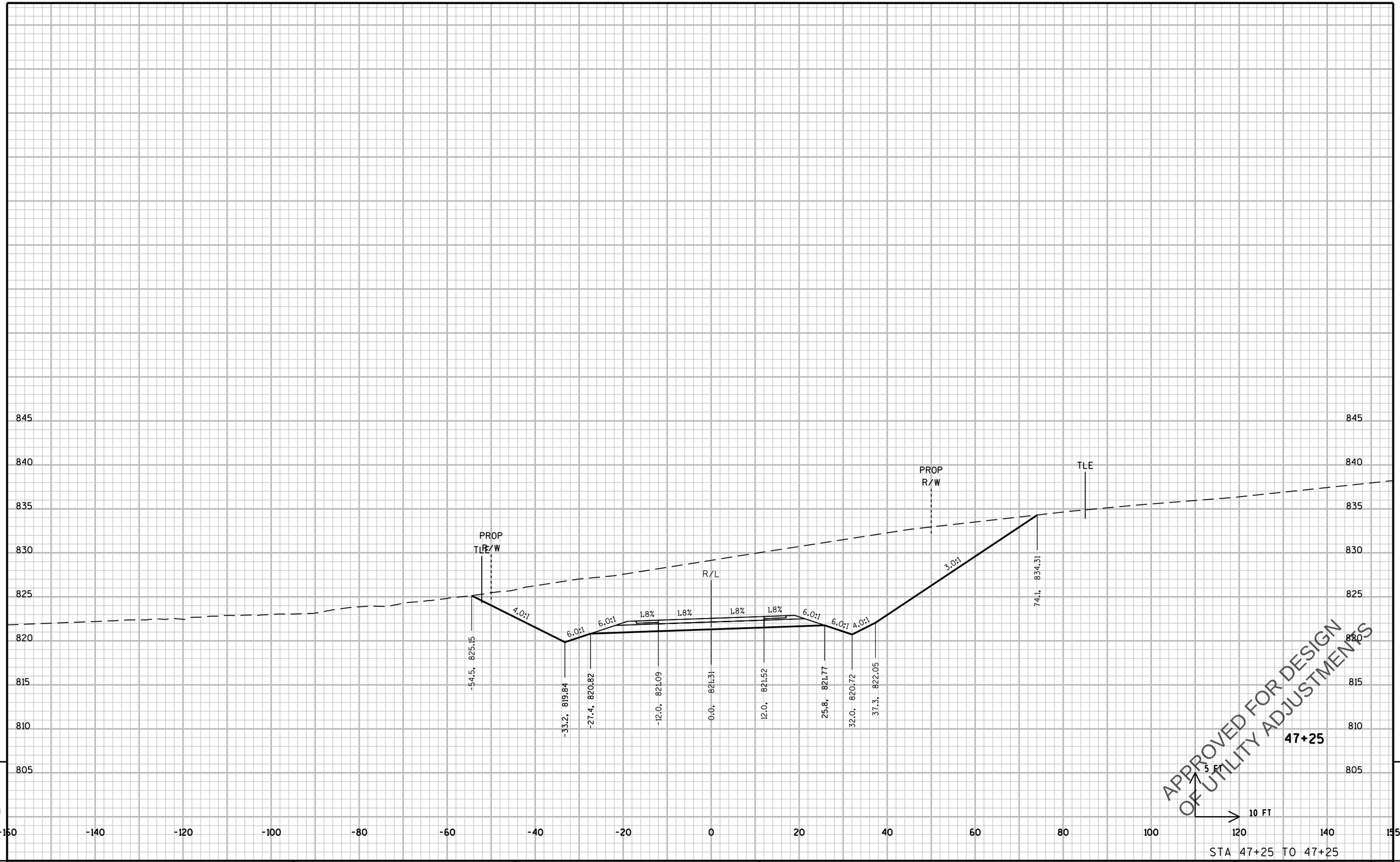
STA 47+00 TO 47+00

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: GREEN LANE	SHEET	E

PRE_745

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090304_XS_GR.dgn PLOT DATE : 4/11/2016 10:14:31 AM PLOT BY : dbaumann PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

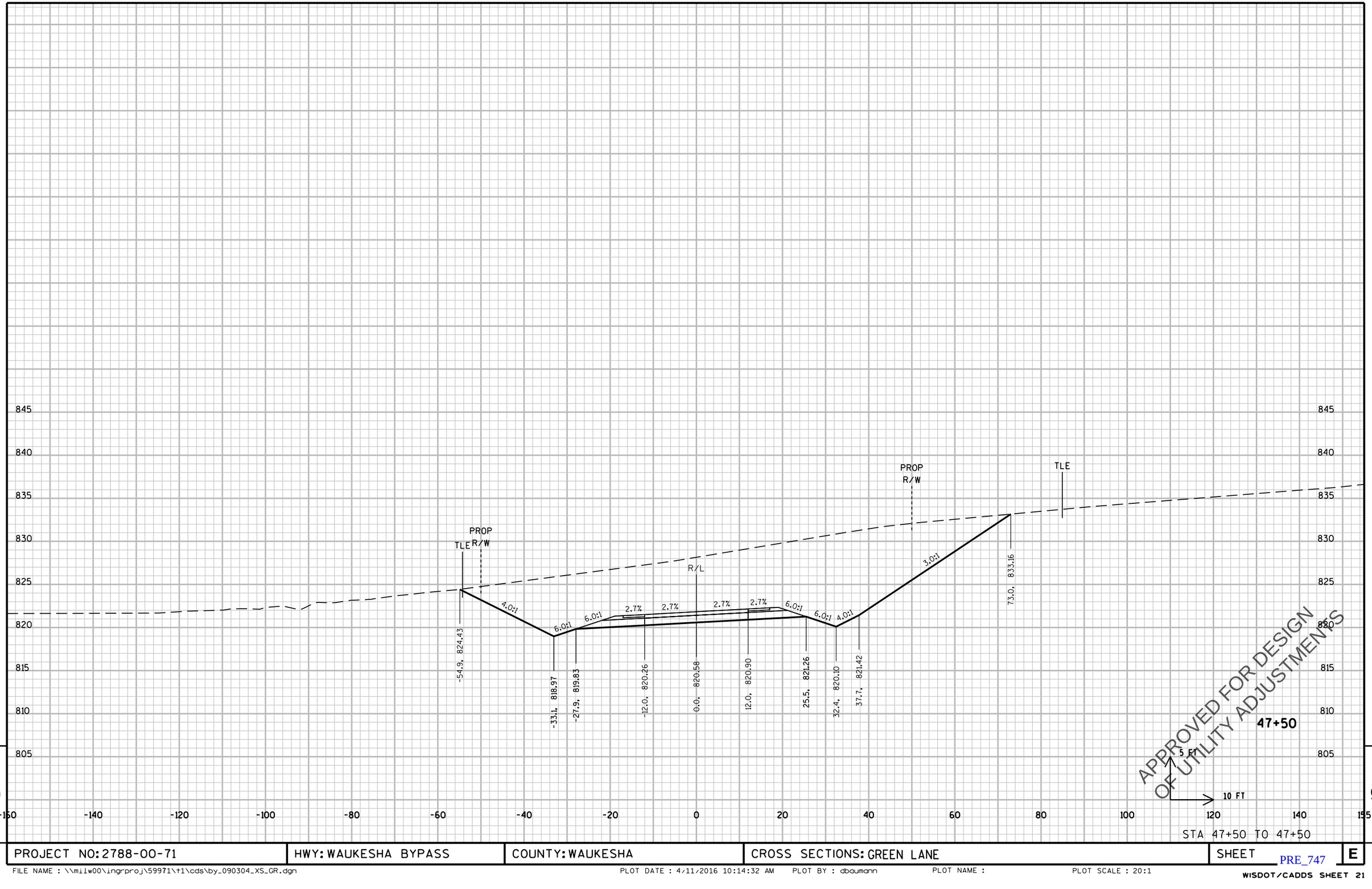


PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: GREEN LANE	SHEET E

PRE_746

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090304_XS_GR.dgn PLOT DATE : 4/11/2016 10:14:32 AM PLOT BY : dbaumann PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



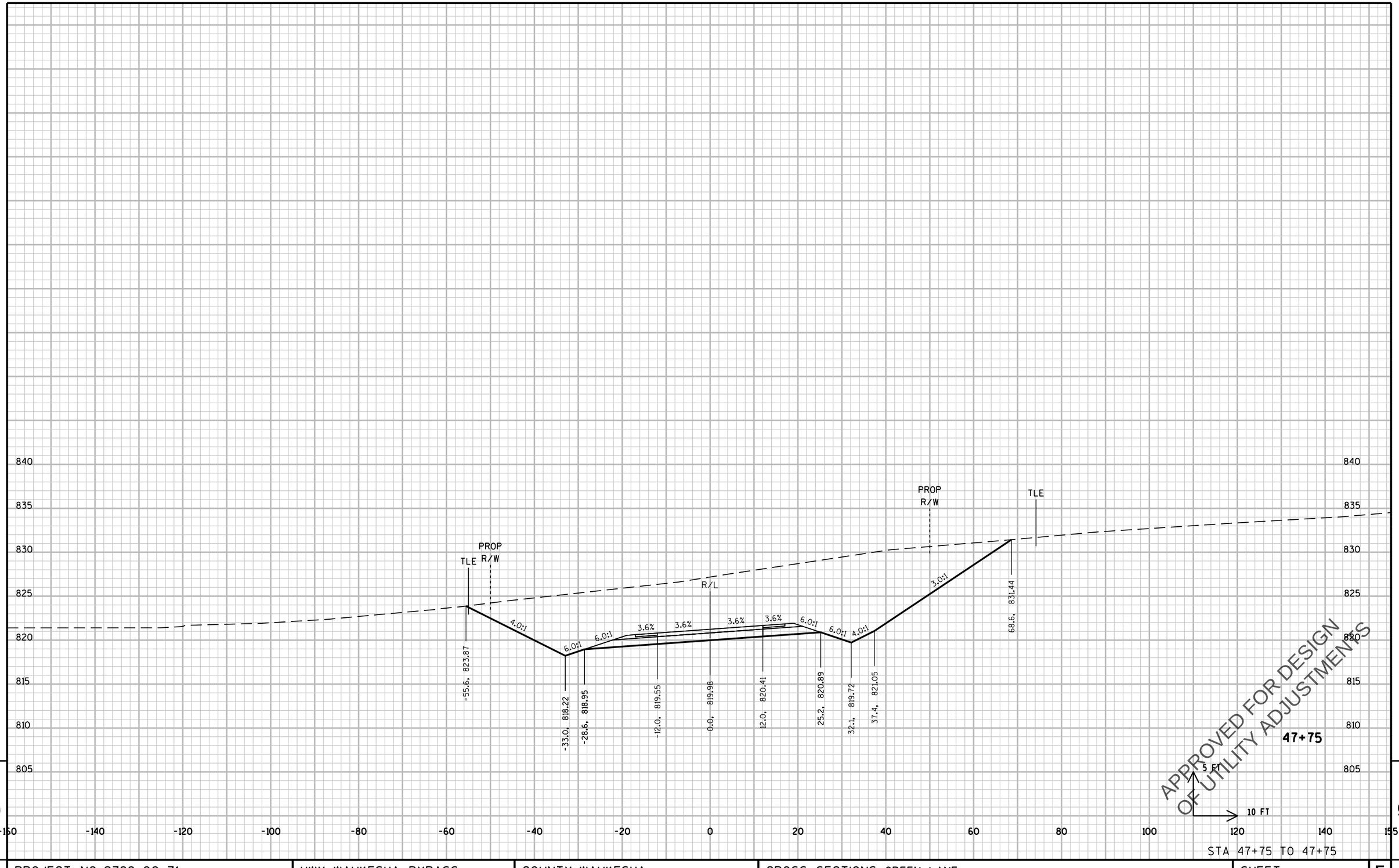
STA 47+50 TO 47+50

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: GREEN LANE	SHEET	E

PRE_747

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090304_XS_GR.dgn PLOT DATE : 4/11/2016 10:14:32 AM PLOT BY : dbaumann PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



9

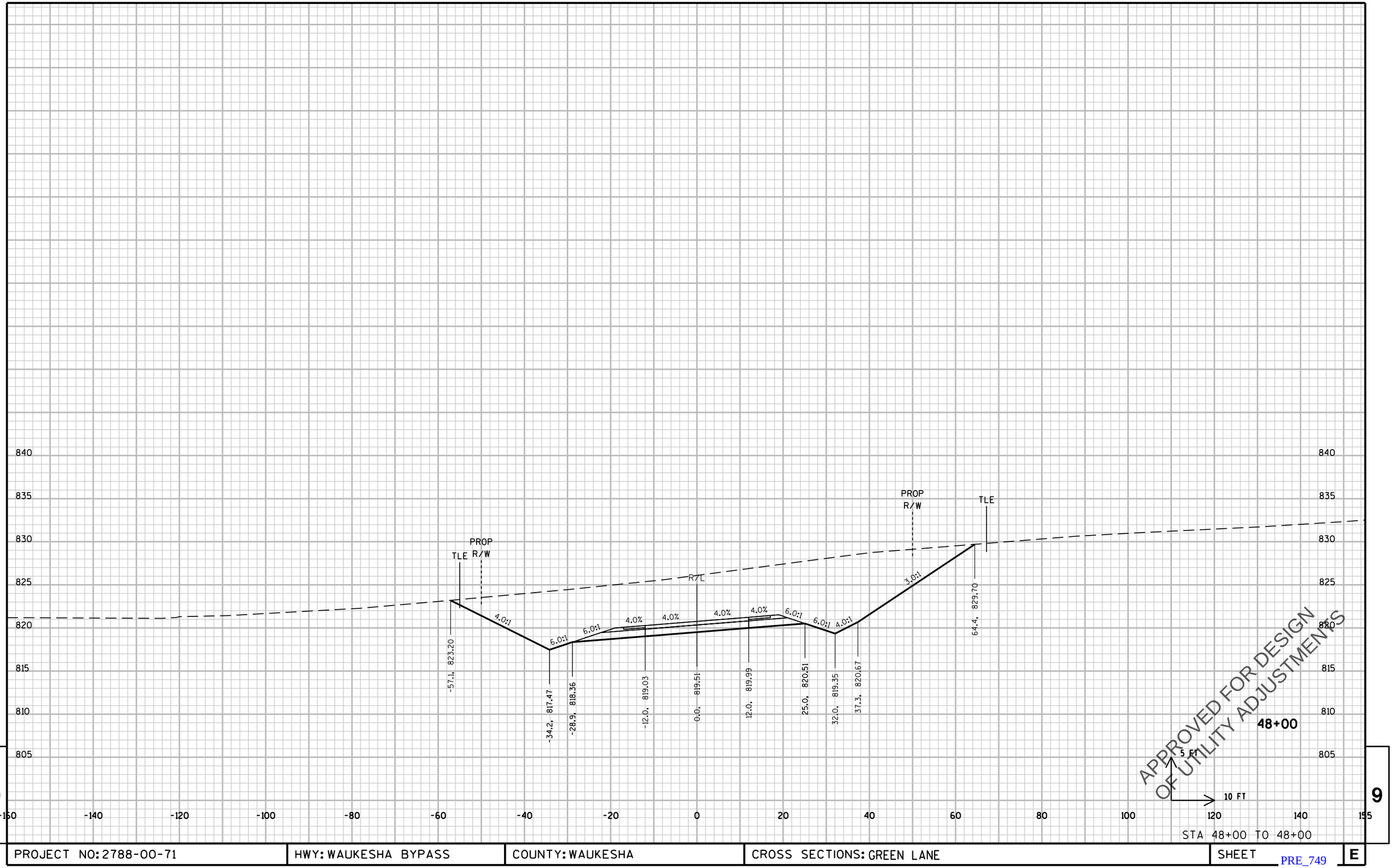
STA 47+75 TO 47+75

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: GREEN LANE	SHEET	E

PRE_748

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090304_XS_GR.dgn PLOT DATE : 4/11/2016 10:14:33 AM PLOT BY : dbaumann PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



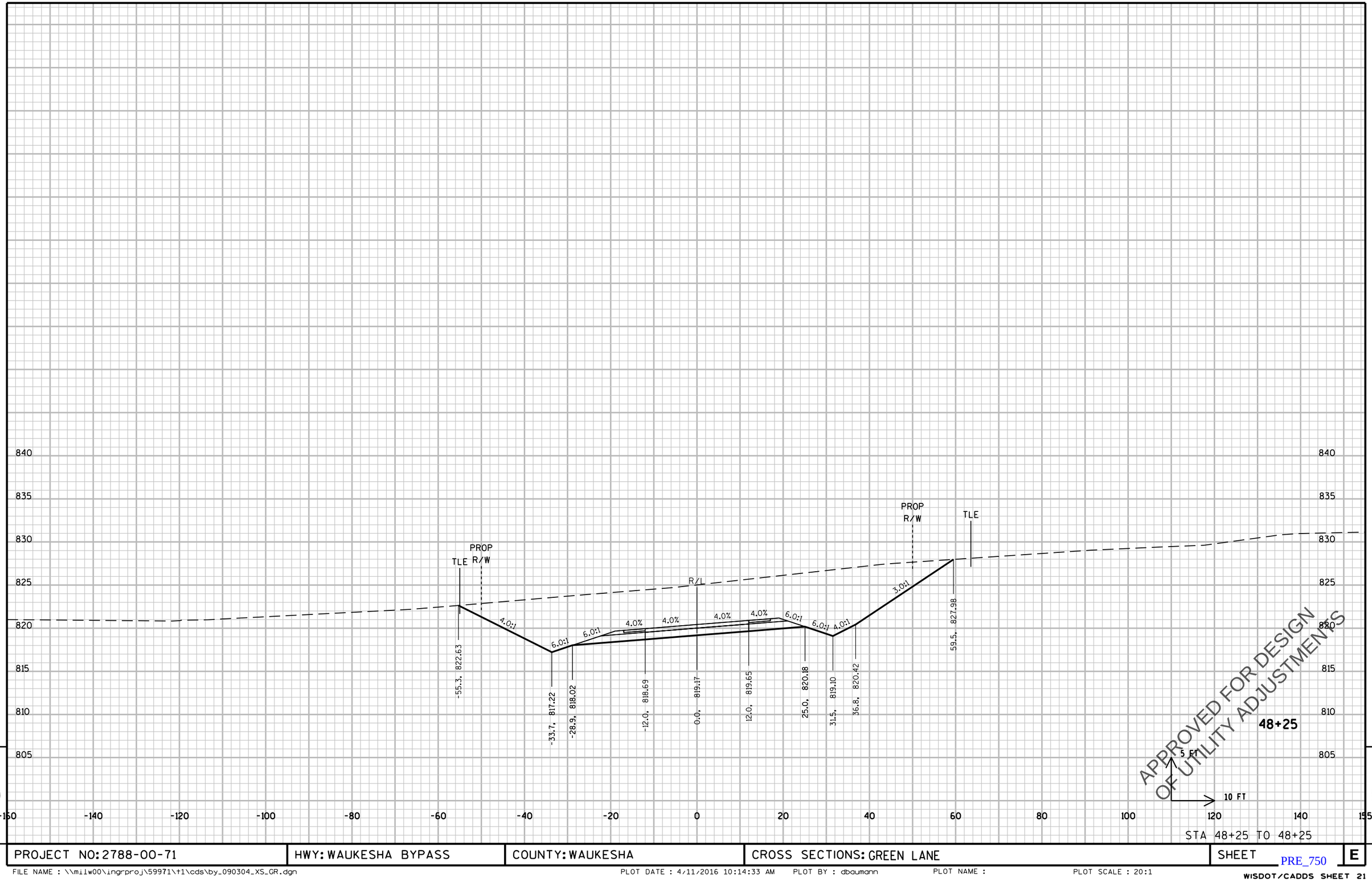
STA 48+00 TO 48+00

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: GREEN LANE	SHEET	E

PRE_749

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090304_XS_GR.dgn PLOT DATE : 4/11/2016 10:14:33 AM PLOT BY : dbaumann PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

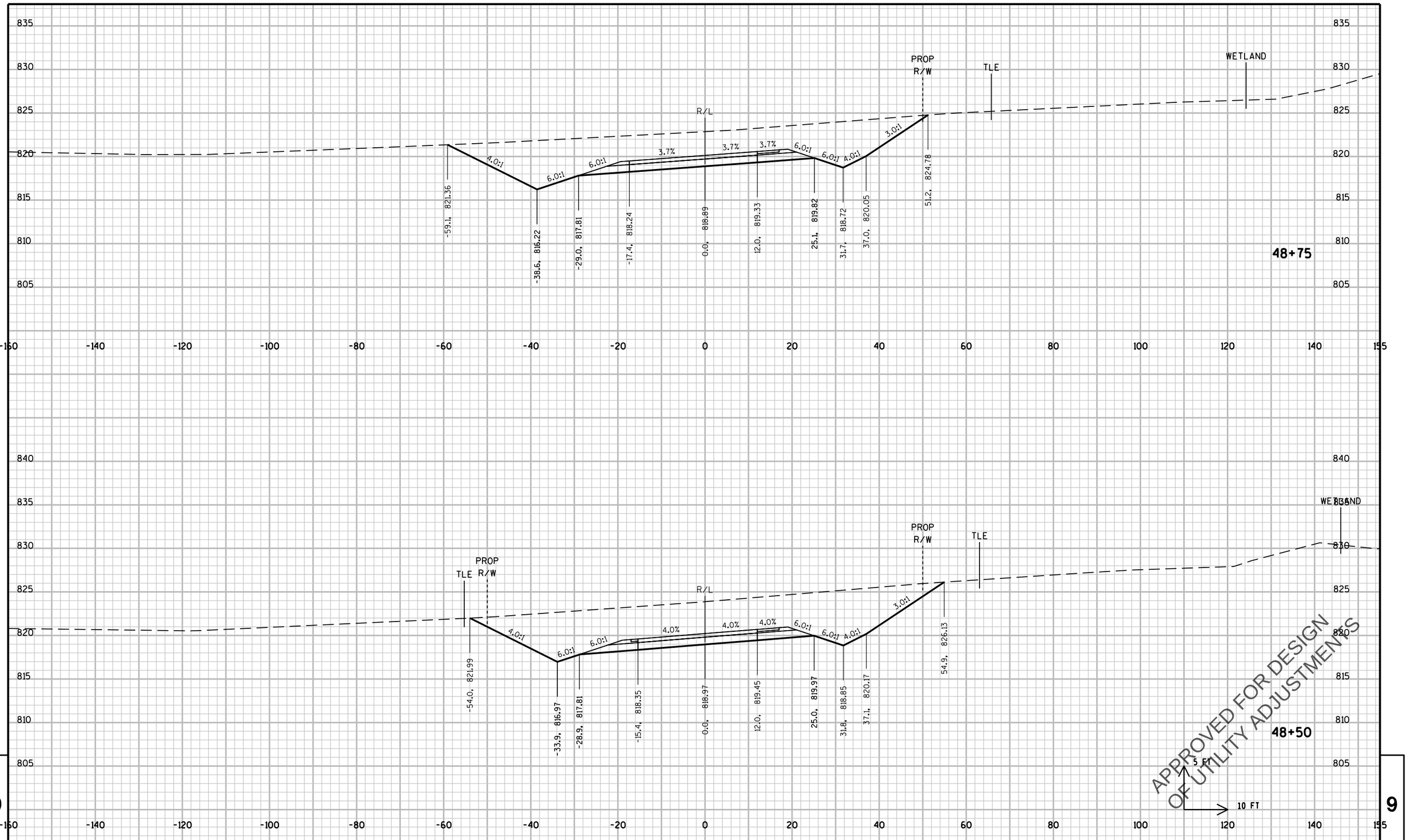


PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: GREEN LANE	SHEET	E

PRE_750

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090304_XS_GR.dgn PLOT DATE : 4/11/2016 10:14:33 AM PLOT BY : dbaumann PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS

STA 48+50 TO 48+75

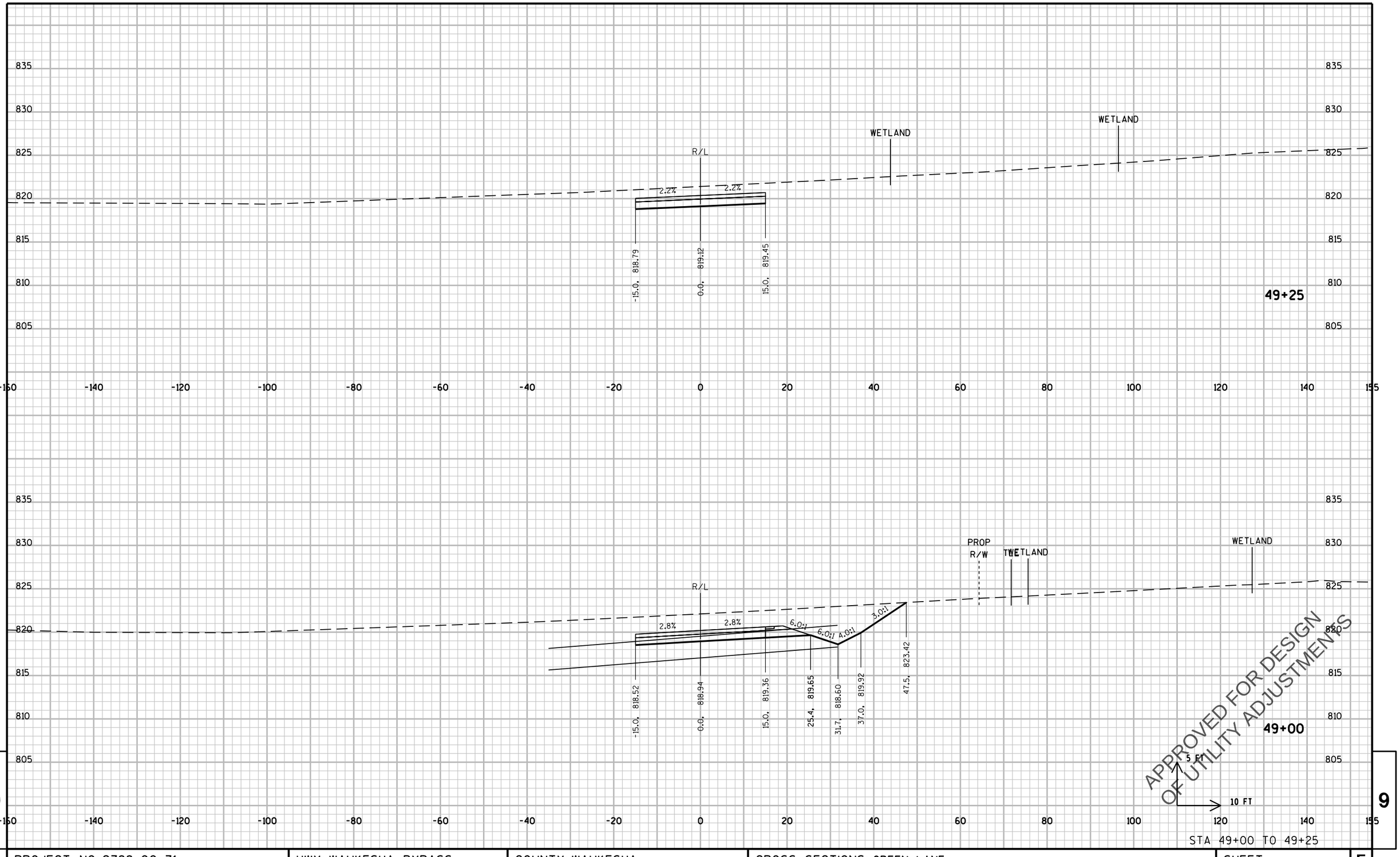
9

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: GREEN LANE	SHEET	E

PRE_751

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090304_XS_GR.dgn PLOT DATE : 4/11/2016 10:14:34 AM PLOT BY : dbaumann PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



9 9

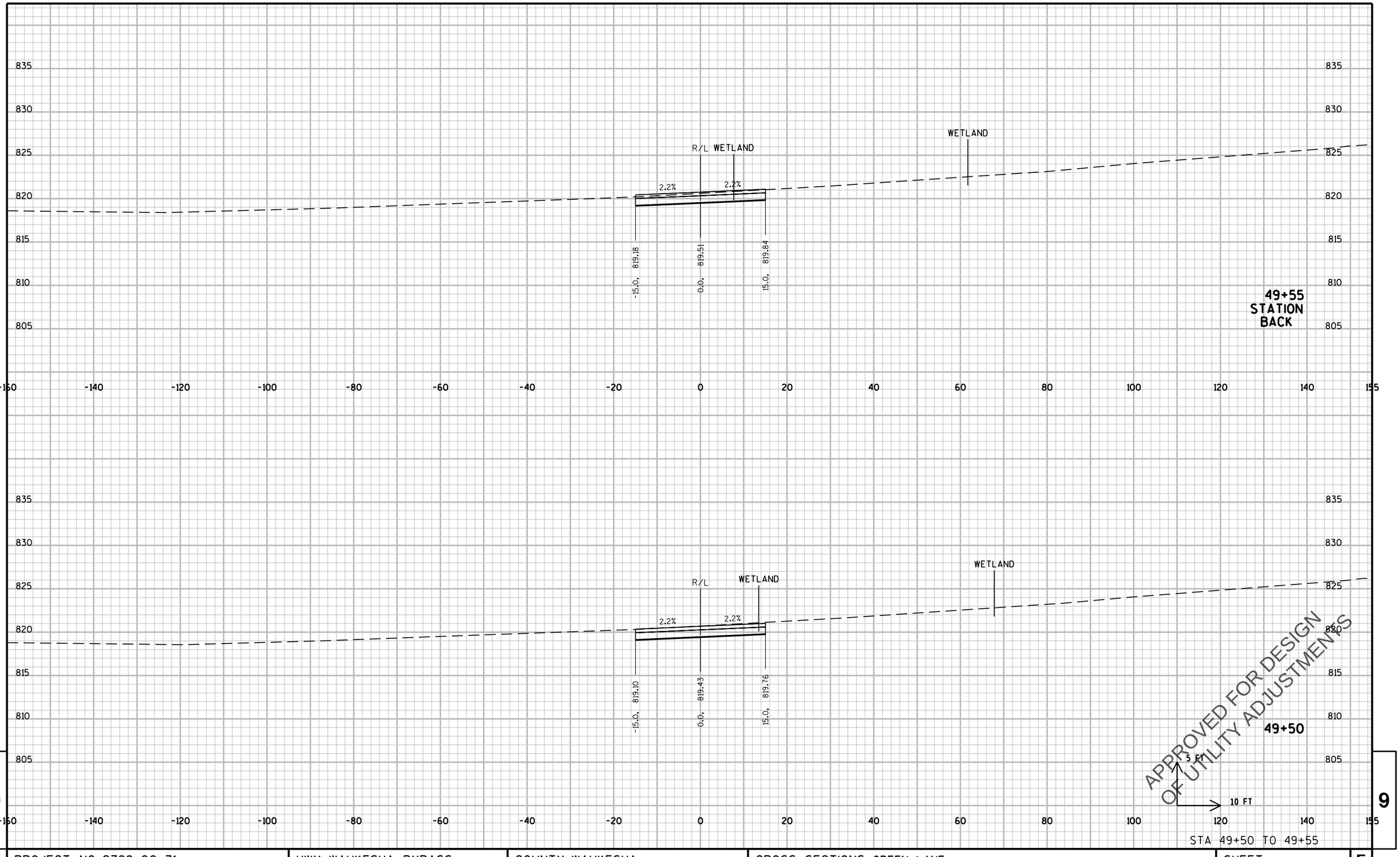
STA 49+00 TO 49+25

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: GREEN LANE	SHEET E

PRE_752

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090304_XS_GR.dgn PLOT DATE : 4/11/2016 10:14:34 AM PLOT BY : dbaumann PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



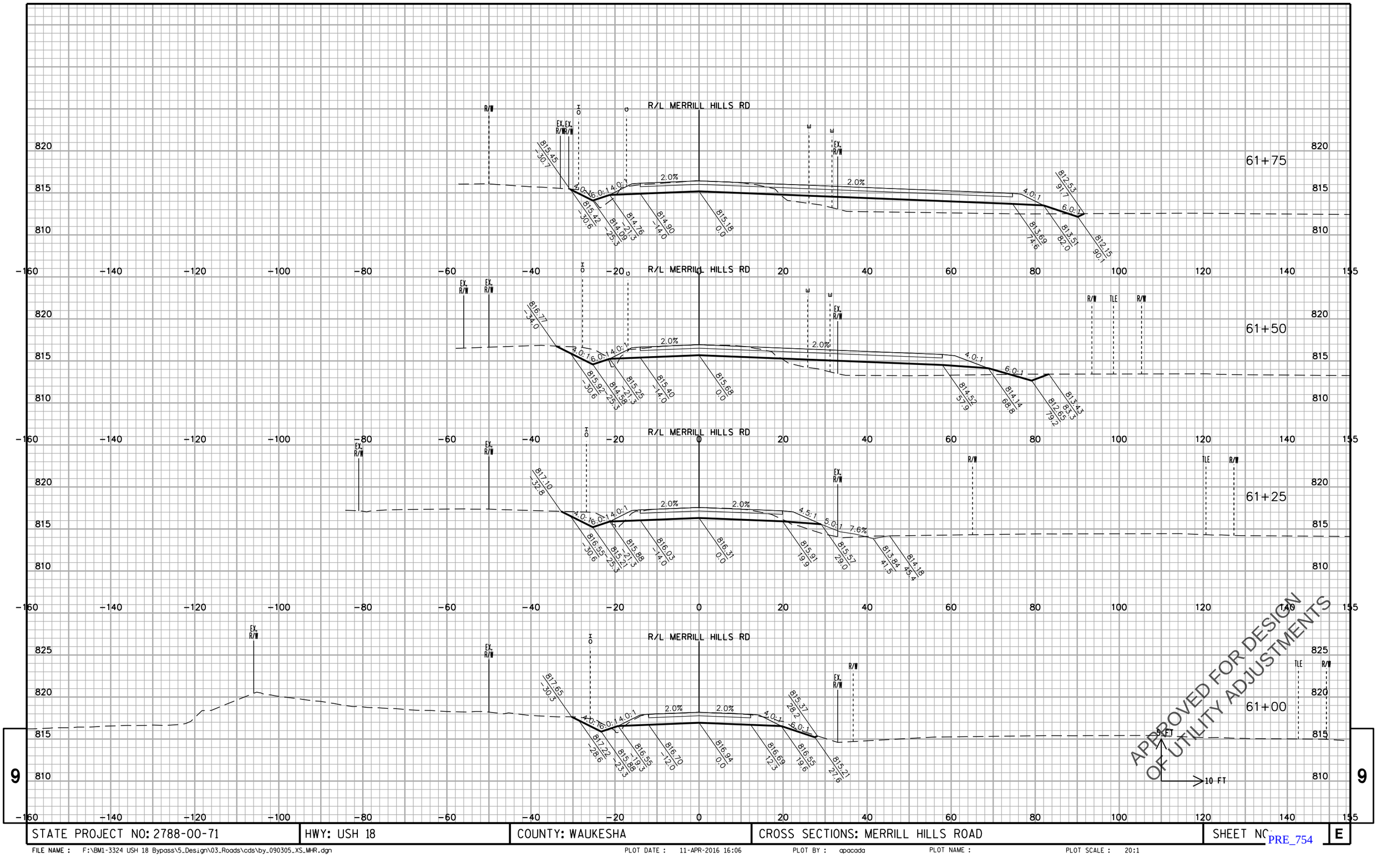
9 9

PROJECT NO: 2788-00-71	HWY: WAUKESHA BYPASS	COUNTY: WAUKESHA	CROSS SECTIONS: GREEN LANE	SHEET E

PRE_753

FILE NAME : \\milw00\ingrproj\59971\t1\cds\by_090304_XS_GR.dgn PLOT DATE : 4/11/2016 10:14:34 AM PLOT BY : dbaumann PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



STATE PROJECT NO: 2788-00-71	HWY: USH 18	COUNTY: WAUKESHA	CROSS SECTIONS: MERRILL HILLS ROAD	SHEET NO	E

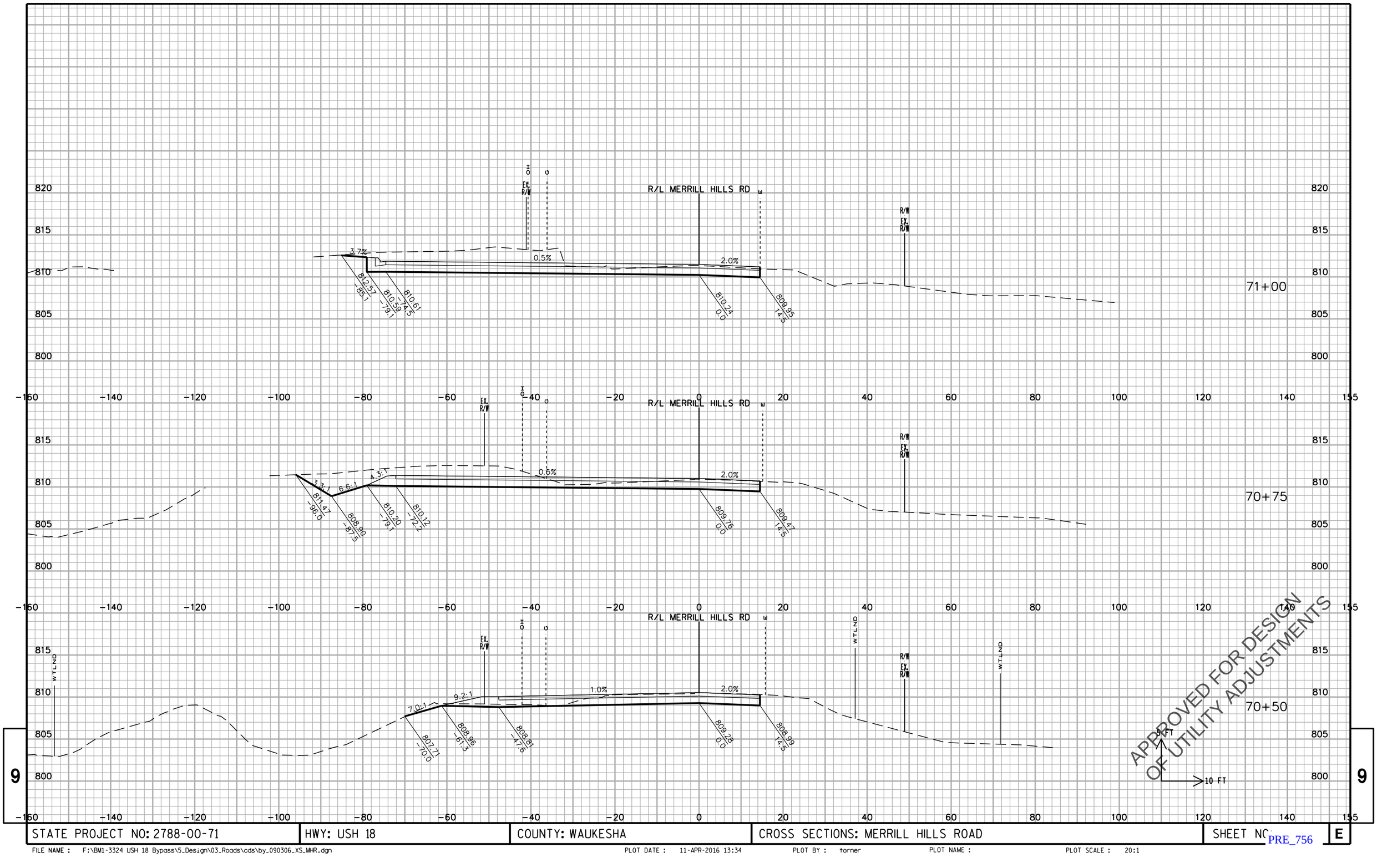
FILE NAME : F:\BM1-3324 USH 18 Bypass\5_Design\03_Roads\cds\by_090305_XS_MHR.dgn PLOT DATE : 11-APR-2016 16:06 PLOT BY : apacada PLOT NAME : PLOT SCALE : 20:1

PRE_754

STATE PROJECT NO: 2788-00-71	HWY: USH 18	COUNTY: WAUKESHA	CROSS SECTIONS: MERRILL HILLS ROAD	SHEET NO.	E

FILE NAME : F:\BM1-3324 USH 18 Bypass\5_Design\03_Roads\cds\by_090305_XS_MHR.dgn PLOT DATE : 11-APR-2016 16:06 PLOT BY : apacada PLOT NAME : PLOT SCALE : 20:1

PRE_755



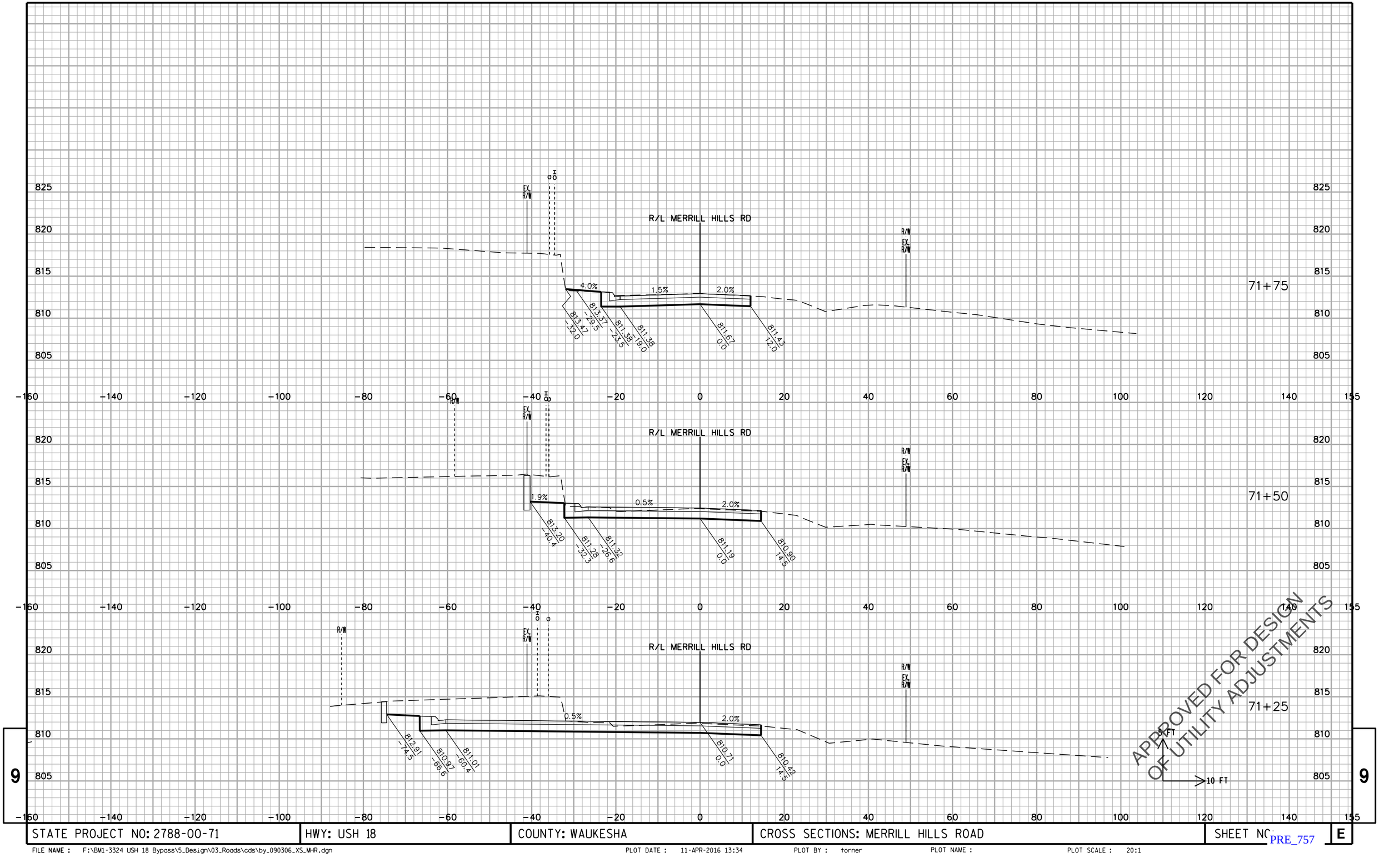
STATE PROJECT NO: 2788-00-71	HWY: USH 18	COUNTY: WAUKESHA	CROSS SECTIONS: MERRILL HILLS ROAD	SHEET NO	E

FILE NAME : F:\BM1-3324 USH 18 Bypass\5_Design\03_Roads\cds\by_090306_XS_MHR.dgn PLOT DATE : 11-APR-2016 13:34 PLOT BY : torner PLOT NAME : PLOT SCALE : 20:1

PRE_756

9

9

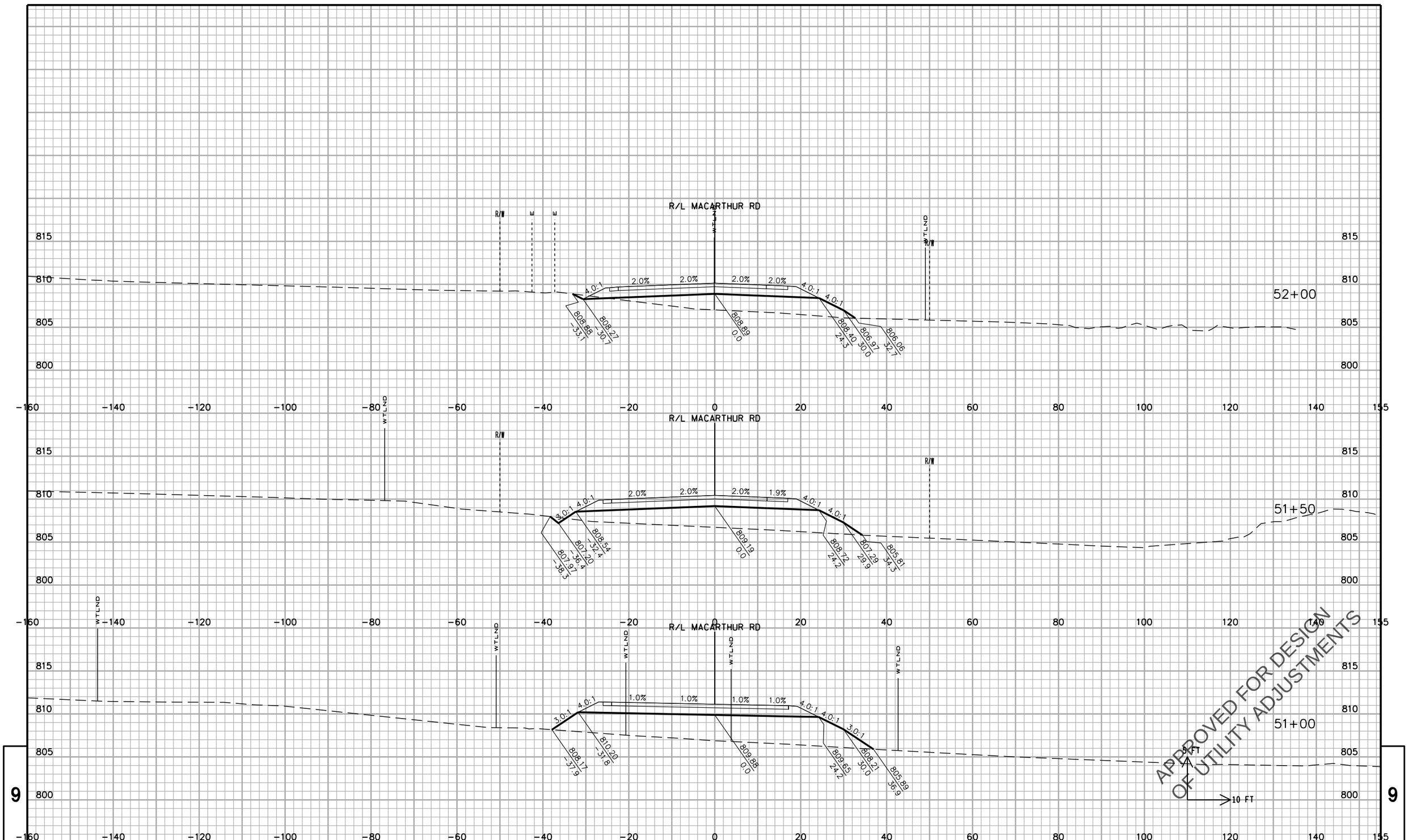


APPROVED FOR DESIGN OF UTILITY ADJUSTMENTS

STATE PROJECT NO: 2788-00-71	HWY: USH 18	COUNTY: WAUKESHA	CROSS SECTIONS: MERRILL HILLS ROAD	SHEET NO.
				PRE_757 E

FILE NAME : F:\BM1-3324 USH 18 Bypass\5_Design\03_Roads\cds\by_090306_XS_MHR.dgn PLOT DATE : 11-APR-2016 13:34 PLOT BY : torner PLOT NAME : PLOT SCALE : 20:1

9 9

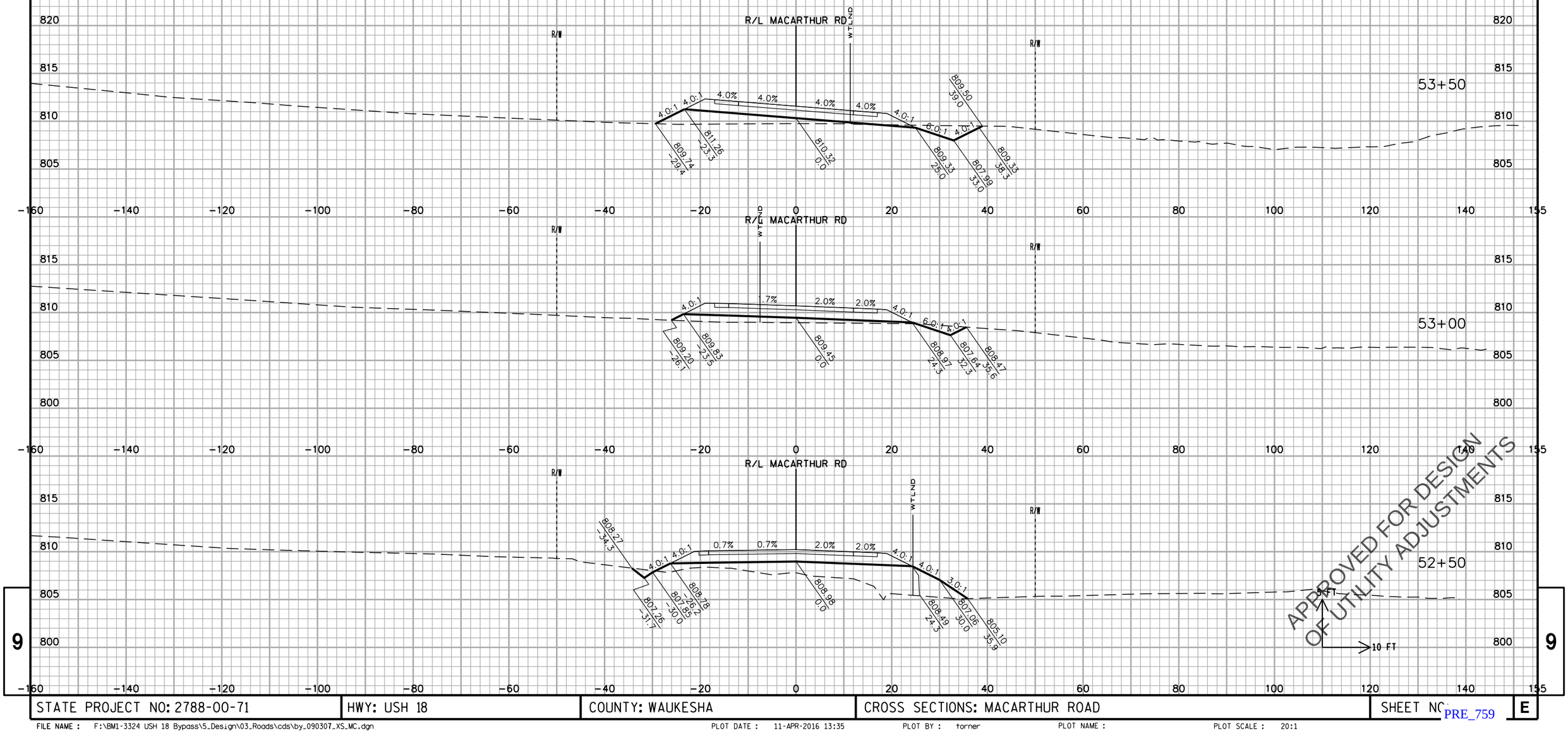


APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS

STATE PROJECT NO: 2788-00-71	HWY: USH 18	COUNTY: WAUKESHA	CROSS SECTIONS: MACARTHUR ROAD	SHEET NO.	E

FILE NAME : F:\BM1-3324 USH 18 Bypass\5_Design\03_Roads\cds\by_090307_XS_MC.dgn PLOT DATE : 11-APR-2016 13:35 PLOT BY : torner PLOT NAME : PLOT SCALE : 20:1

PRE_758



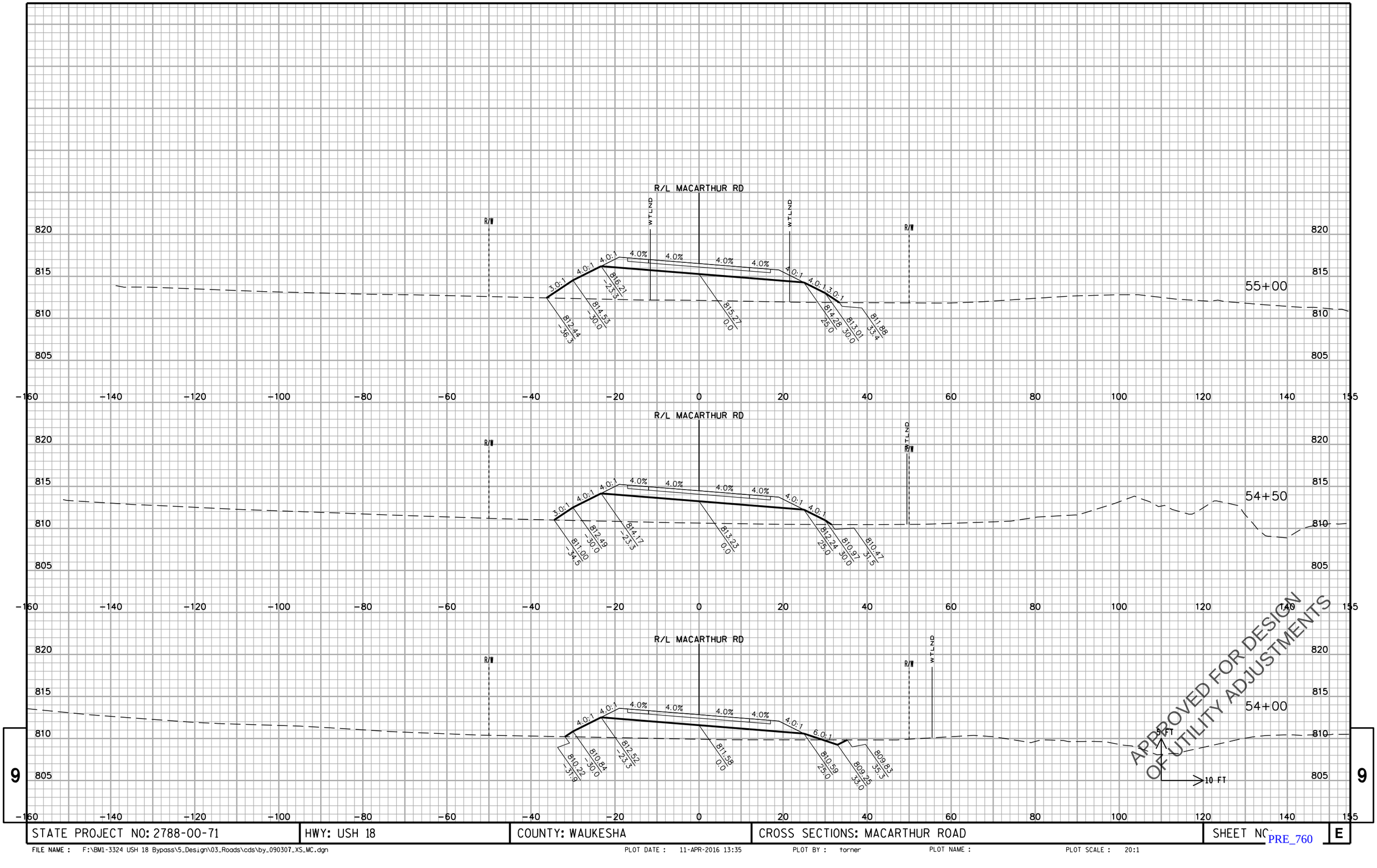
9

STATE PROJECT NO: 2788-00-71	HWY: USH 18	COUNTY: WAUKESHA	CROSS SECTIONS: MACARTHUR ROAD	SHEET NO.	E

FILE NAME : F:\BM1-3324 USH 18 Bypass\5_Design\03_Roads\cds\by_090307_XS_MC.dgn PLOT DATE : 11-APR-2016 13:35 PLOT BY : torner PLOT NAME : PLOT SCALE : 20:1

PRE_759

9



APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS

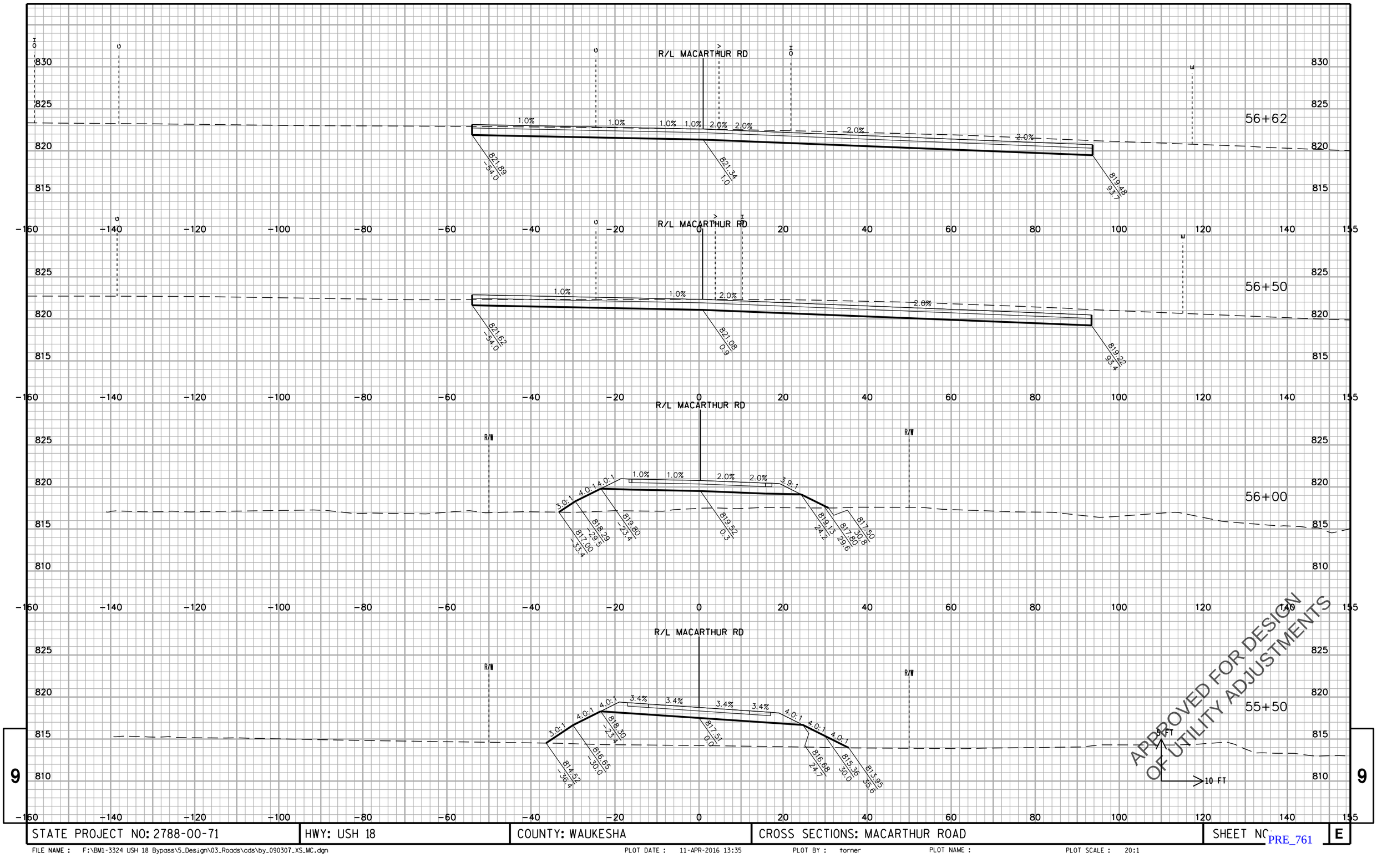
9

9

STATE PROJECT NO: 2788-00-71	HWY: USH 18	COUNTY: WAUKESHA	CROSS SECTIONS: MACARTHUR ROAD	SHEET NO.	E

FILE NAME : F:\BM1-3324 USH 18 Bypass\5_Design\03_Roads\cds\by_090307_XS_MC.dgn PLOT DATE : 11-APR-2016 13:35 PLOT BY : torner PLOT NAME : PLOT SCALE : 20:1

PRE_760



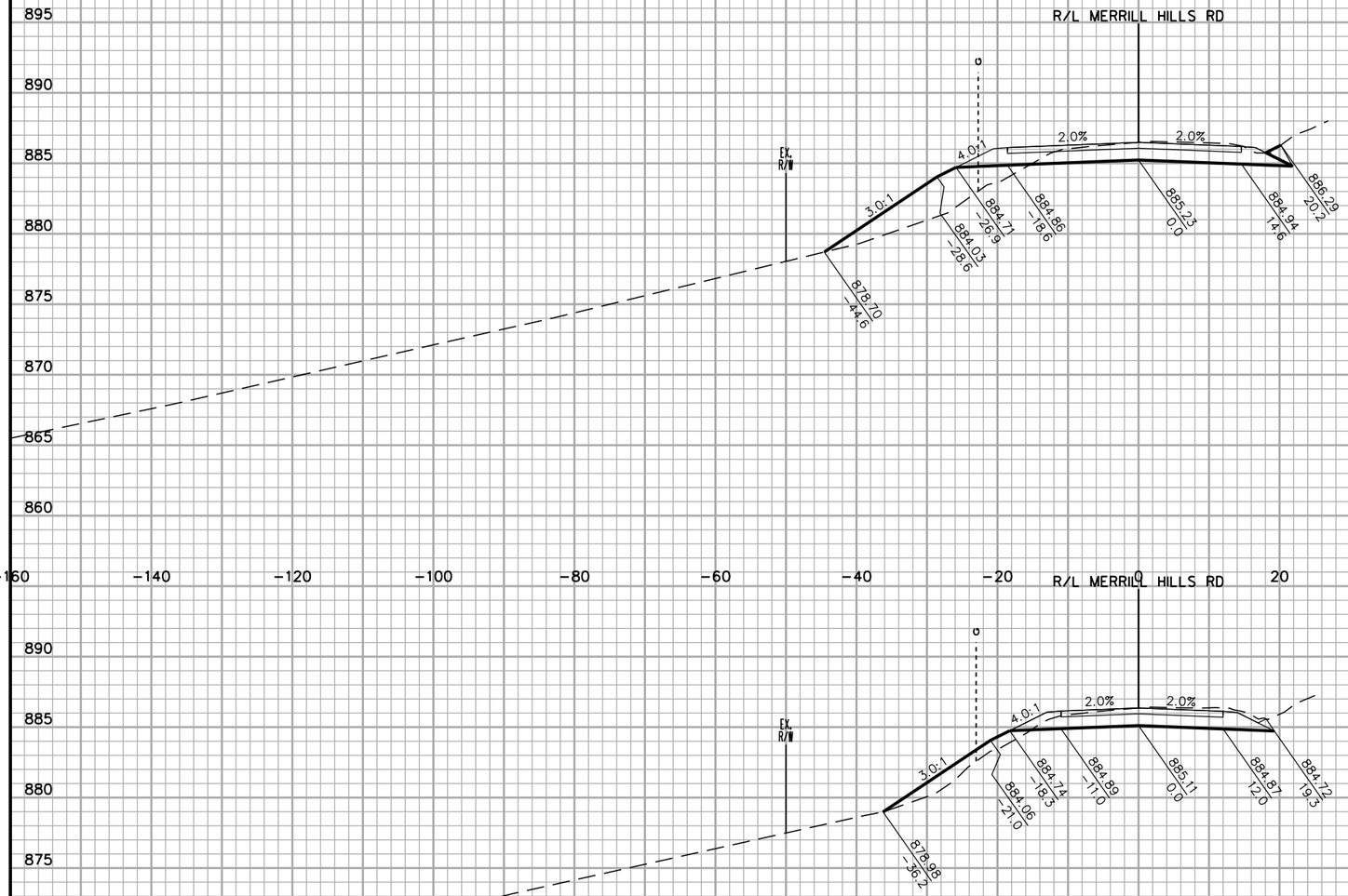
STATE PROJECT NO: 2788-00-71	HWY: USH 18	COUNTY: WAUKESHA	CROSS SECTIONS: MACARTHUR ROAD	SHEET NO.	E

FILE NAME : F:\BM1-3324 USH 18 Bypass\5_Design\03_Roads\cds\by_090307_XS_MC.dgn PLOT DATE : 11-APR-2016 13:35 PLOT BY : torner PLOT NAME : PLOT SCALE : 20:1

PRE_761

9

9



82+75

82+50

APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS

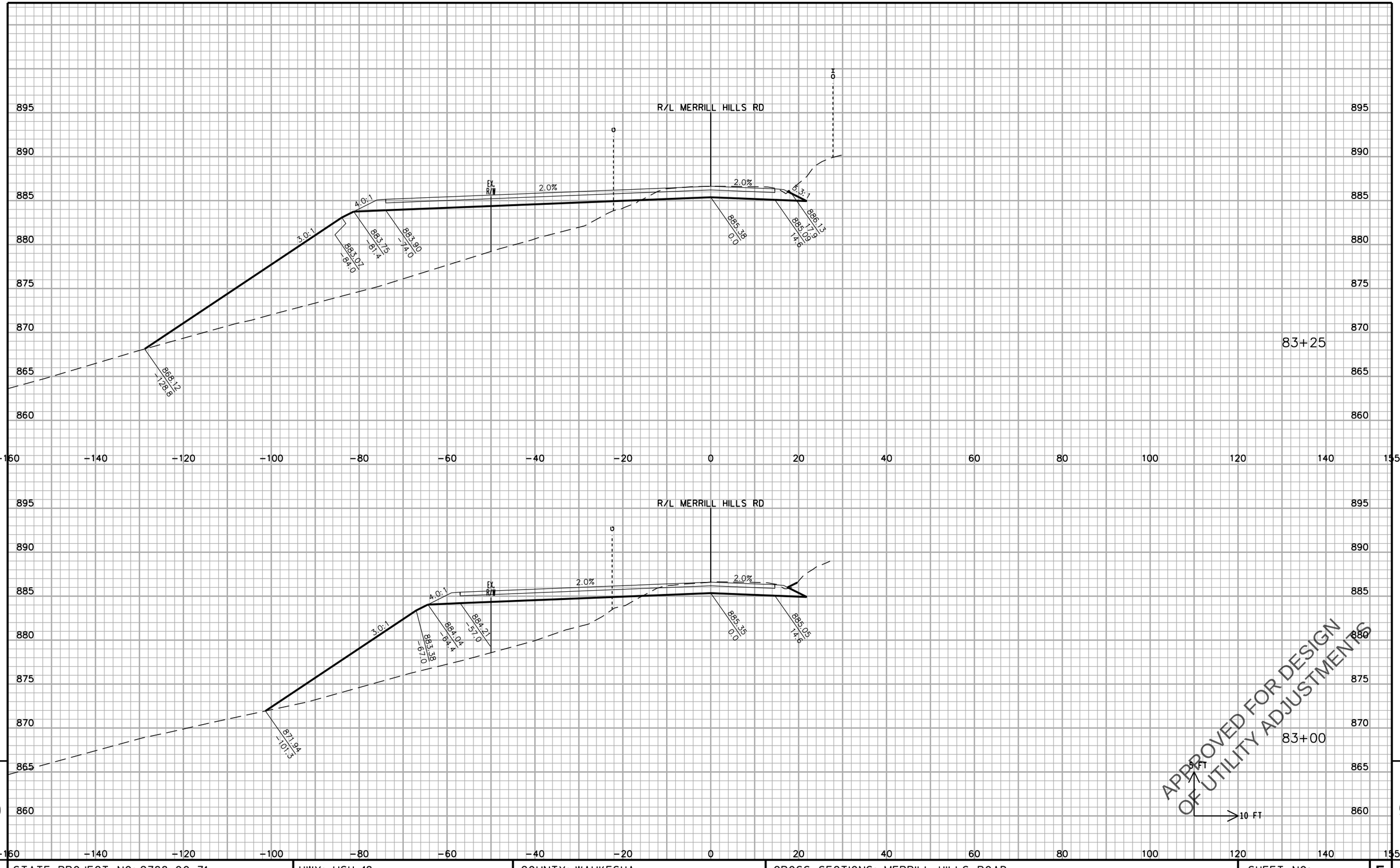
5 FT
10 FT

STATE PROJECT NO: 2788-00-71	HWY: USH 18	COUNTY: WAUKESHA	CROSS SECTIONS: MERRILL HILLS ROAD	SHEET NO

PRE_762

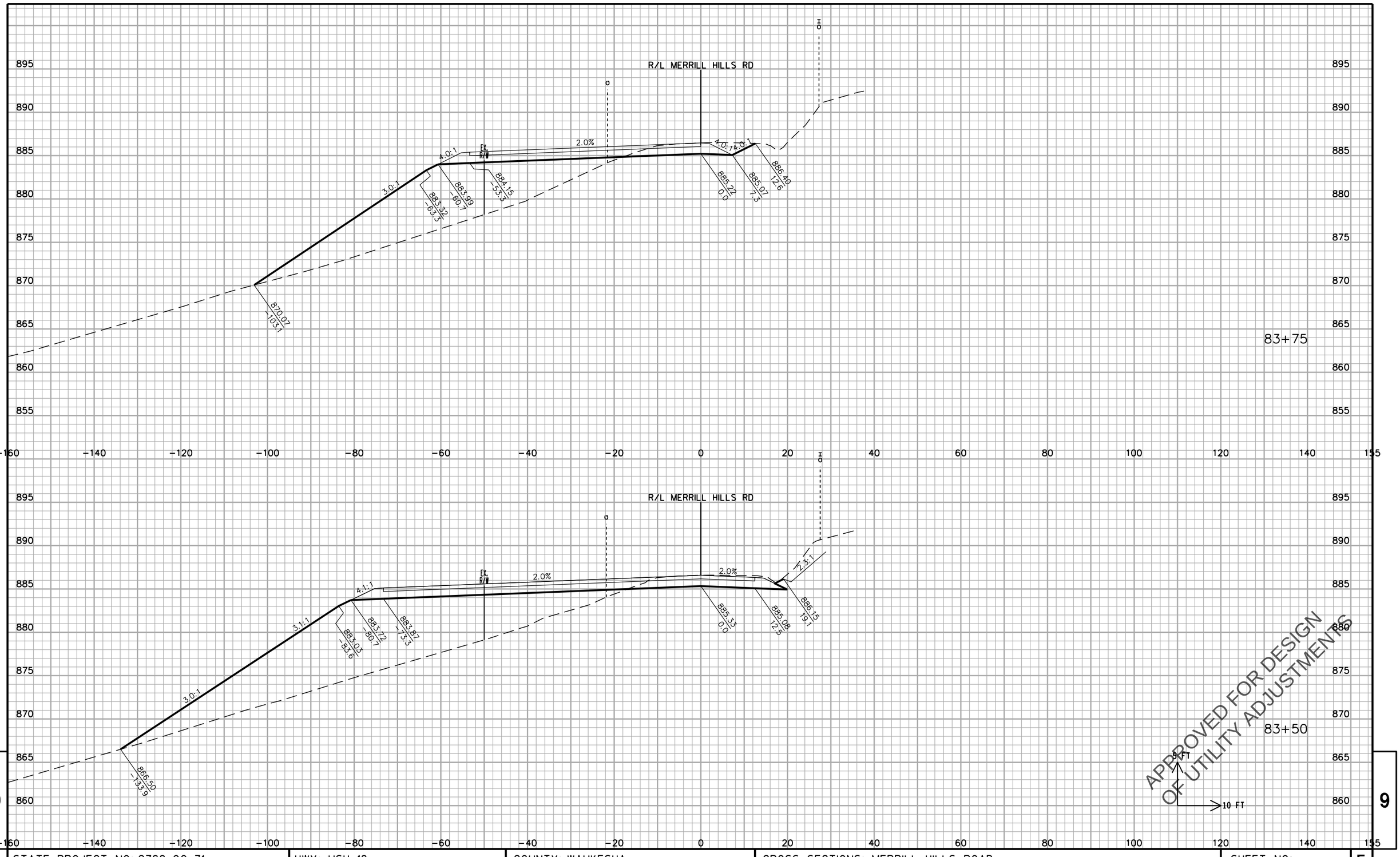
FILE NAME : F:\BM1-3324 USH 18 Bypass\5_Design\03_Roads\cds\by_090308_XS_MHR.dgn PLOT DATE : 11-APR-2016 13:36 PLOT BY : torner PLOT NAME : PLOT SCALE : 20:1

9 E



STATE PROJECT NO: 2788-00-71	HWY: USH 18	COUNTY: WAUKESHA	CROSS SECTIONS: MERRILL HILLS ROAD	SHEET NO	E

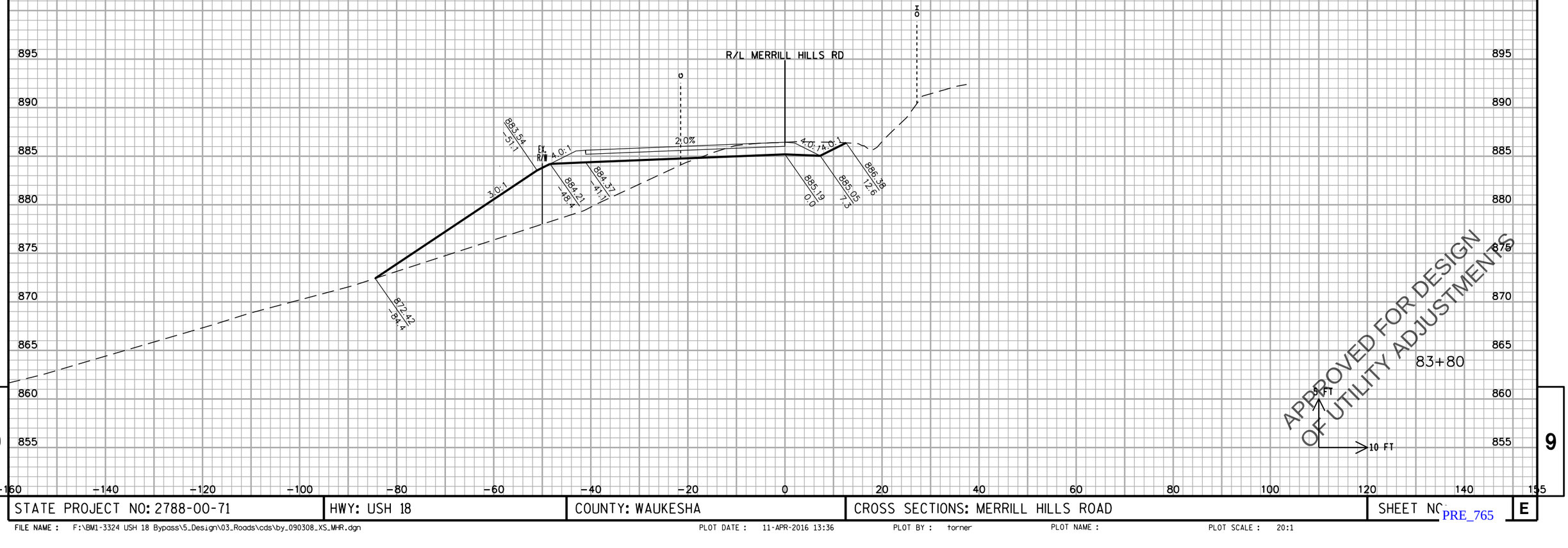
FILE NAME : F:\BM1-3324 USH 18 Bypass\5_Design\03_Roads\cds\by_090308_XS_MHR.dgn PLOT DATE : 11-APR-2016 13:36 PLOT BY : torner PLOT NAME : PLOT SCALE : 20:1



STATE PROJECT NO: 2788-00-71	HWY: USH 18	COUNTY: WAUKESHA	CROSS SECTIONS: MERRILL HILLS ROAD	SHEET NO.	E

FILE NAME : F:\BM1-3324 USH 18 Bypass\5_Design\03_Roads\cds\by_090308_XS_MHR.dgn PLOT DATE : 11-APR-2016 13:36 PLOT BY : torner PLOT NAME : PLOT SCALE : 20:1

PRE_764

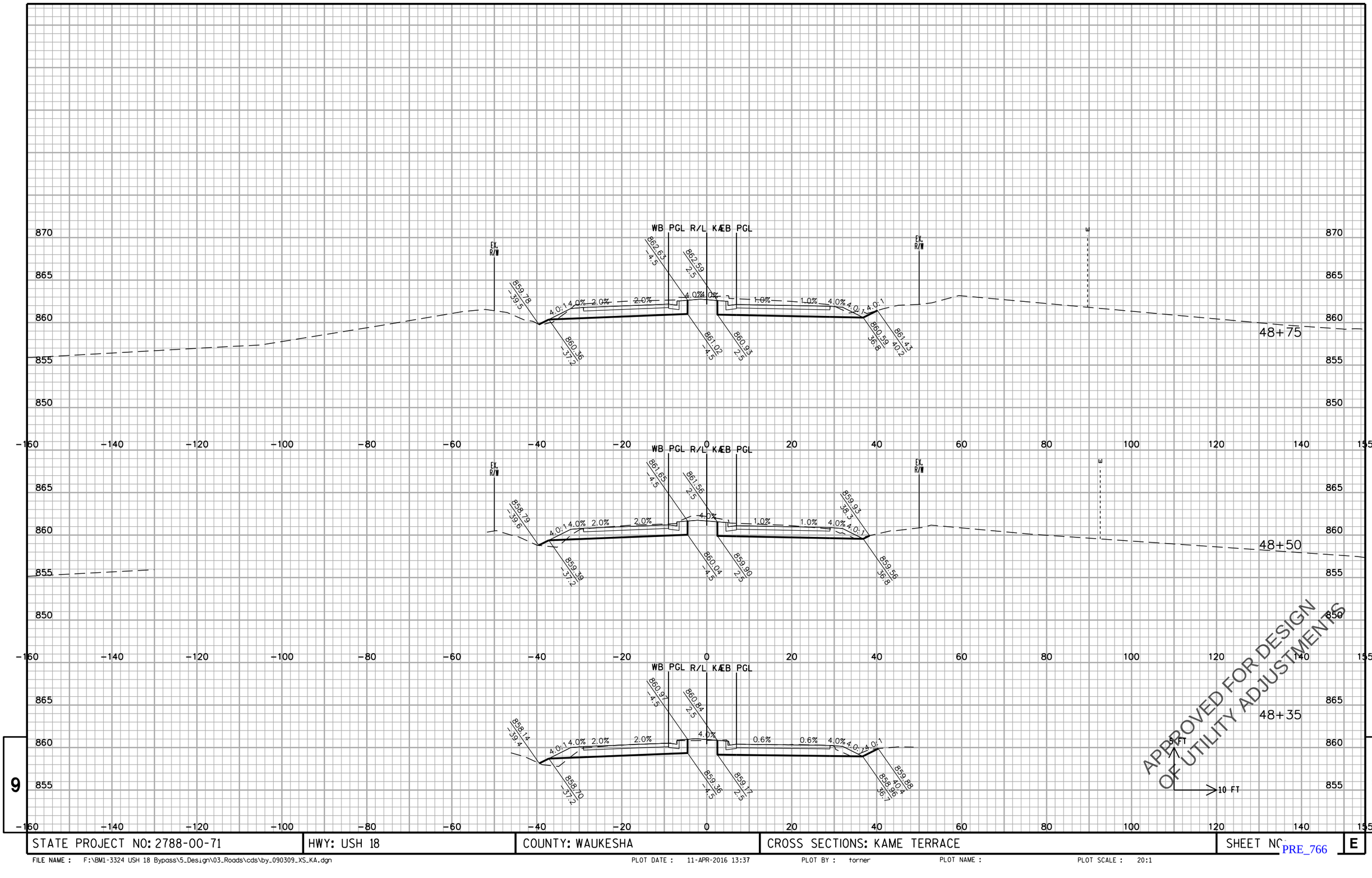


9

STATE PROJECT NO: 2788-00-71	HWY: USH 18	COUNTY: WAUKESHA	CROSS SECTIONS: MERRILL HILLS ROAD	SHEET NO. E

FILE NAME : F:\BM1-3324 USH 18 Bypass\5_Design\03_Roads\cds\by_090308_XS_MHR.dgn PLOT DATE : 11-APR-2016 13:36 PLOT BY : torner PLOT NAME : PLOT SCALE : 20:1

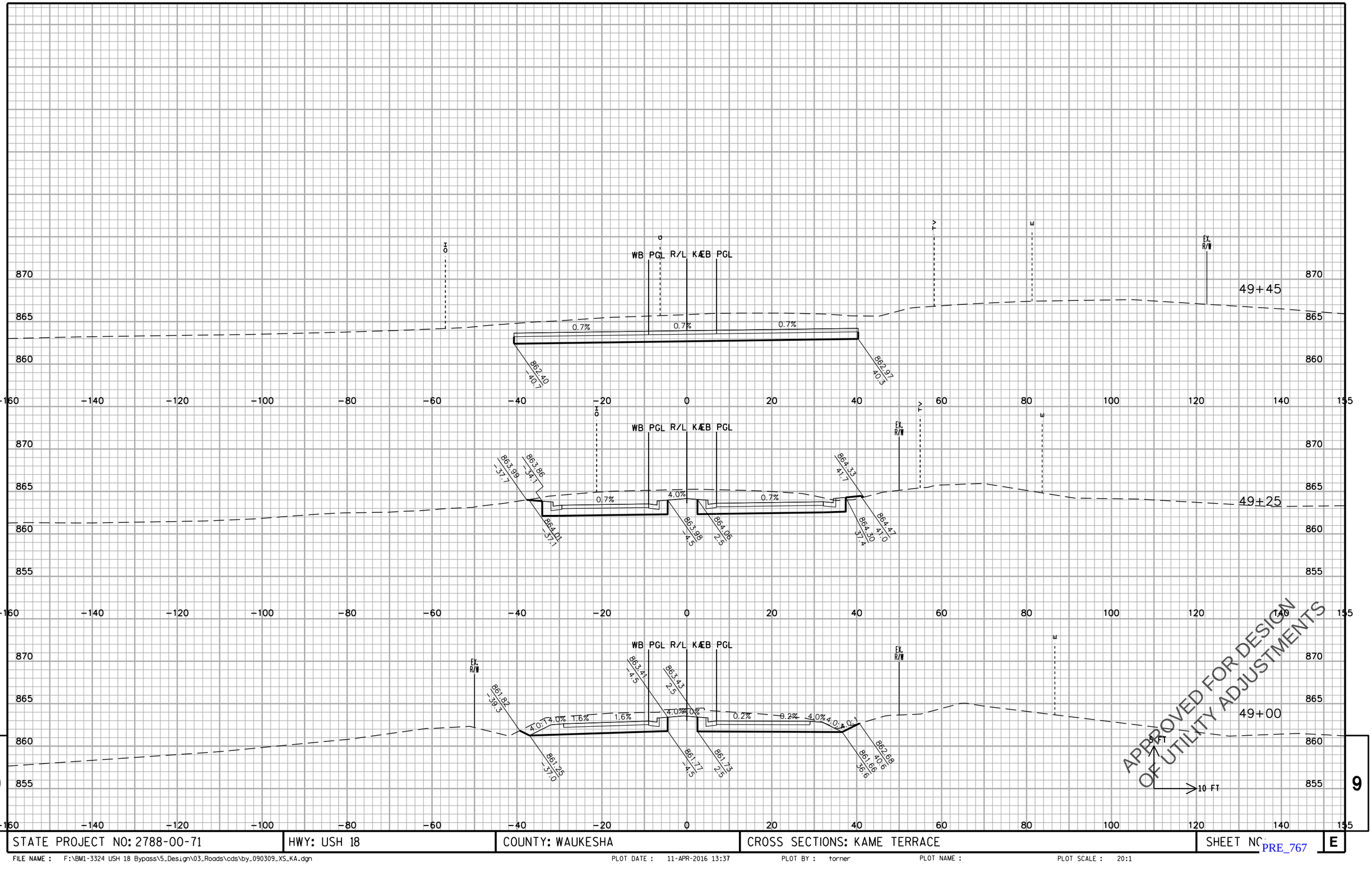
PRE_765



STATE PROJECT NO: 2788-00-71	HWY: USH 18	COUNTY: WAUKESHA	CROSS SECTIONS: KAME TERRACE	SHEET NO	E

FILE NAME : F:\BM1-3324 USH 18 Bypass\5_Design\03_Roads\cds\by_090309_XS_KA.dgn PLOT DATE : 11-APR-2016 13:37 PLOT BY : torner PLOT NAME : PLOT SCALE : 20:1

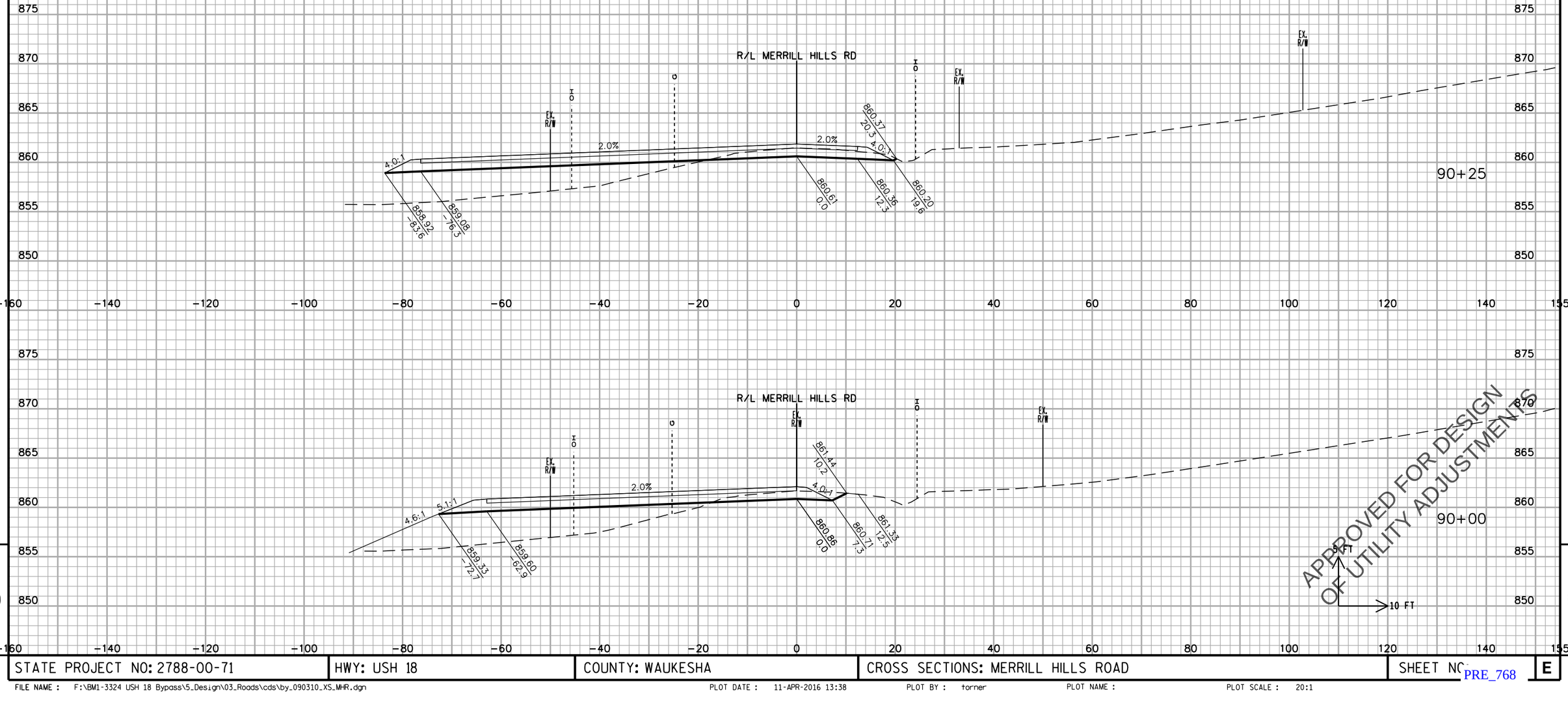
PRE_766



STATE PROJECT NO: 2788-00-71	HWY: USH 18	COUNTY: WAUKESHA	CROSS SECTIONS: KAME TERRACE	SHEET NO.	E

FILE NAME : F:\BM1-3324 USH 18 Bypass\5_Design\03_Roads\cds\by_090309_XS_KA.dgn PLOT DATE : 11-APR-2016 13:37 PLOT BY : torner PLOT NAME : PLOT SCALE : 20:1

PRE_767



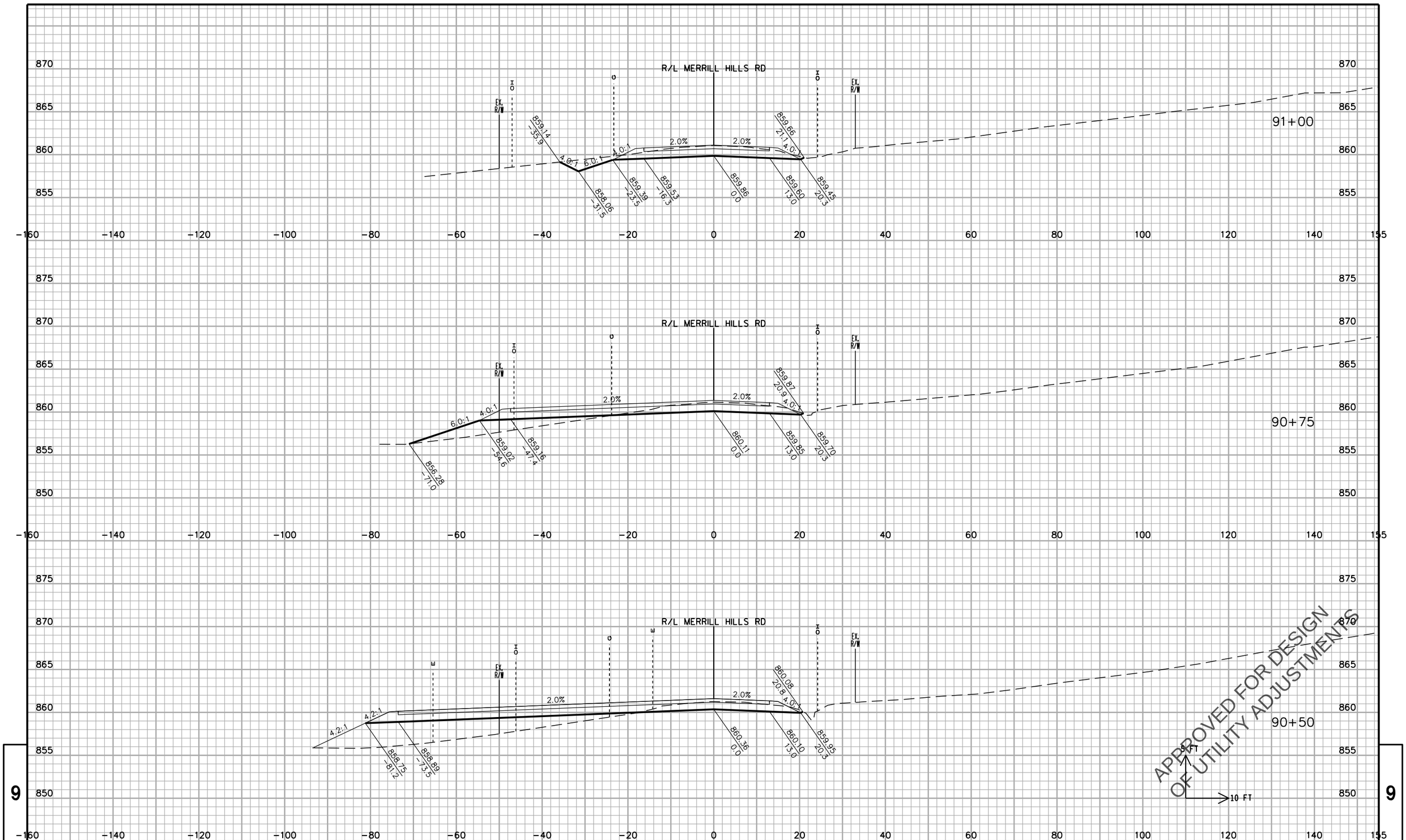
APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS

9

STATE PROJECT NO: 2788-00-71	HWY: USH 18	COUNTY: WAUKESHA	CROSS SECTIONS: MERRILL HILLS ROAD	SHEET NO	E

FILE NAME : F:\BM1-3324 USH 18 Bypass\5_Design\03_Roads\cds\by_090310_XS_MHR.dgn PLOT DATE : 11-APR-2016 13:38 PLOT BY : torner PLOT NAME : PLOT SCALE : 20:1

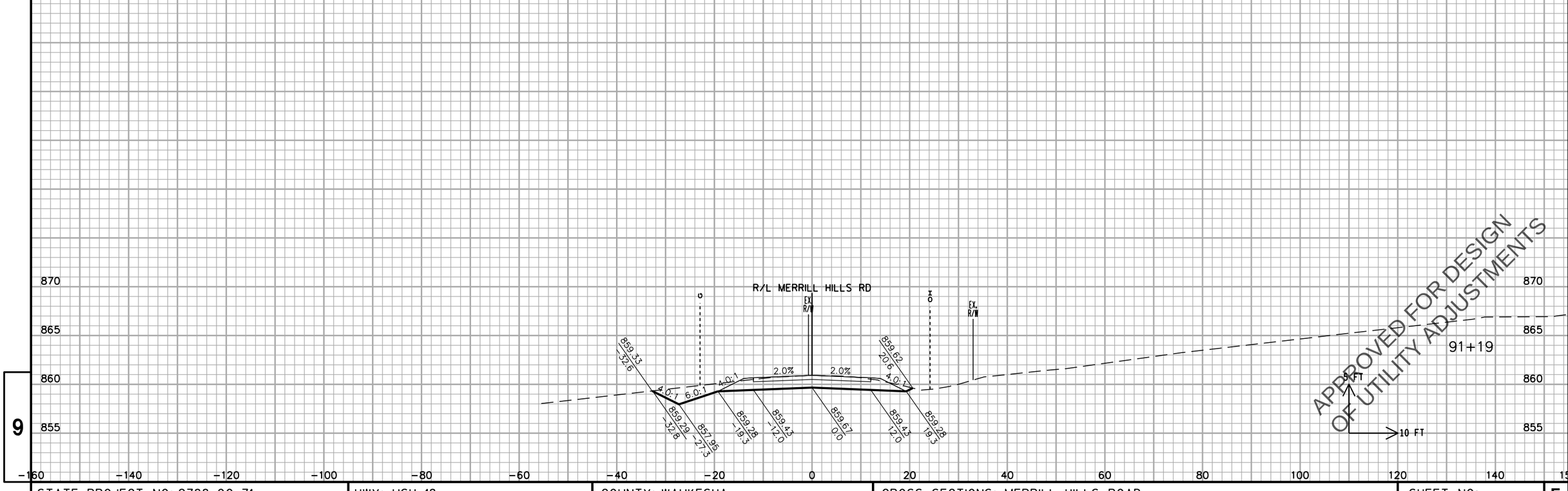
PRE_768



STATE PROJECT NO: 2788-00-71	HWY: USH 18	COUNTY: WAUKESHA	CROSS SECTIONS: MERRILL HILLS ROAD	SHEET NO.	E

FILE NAME : F:\BM1-3324 USH 18 Bypass\5_Design\03_Roads\cds\by_090310_XS_MHR.dgn PLOT DATE : 11-APR-2016 13:38 PLOT BY : torner PLOT NAME : PLOT SCALE : 20:1

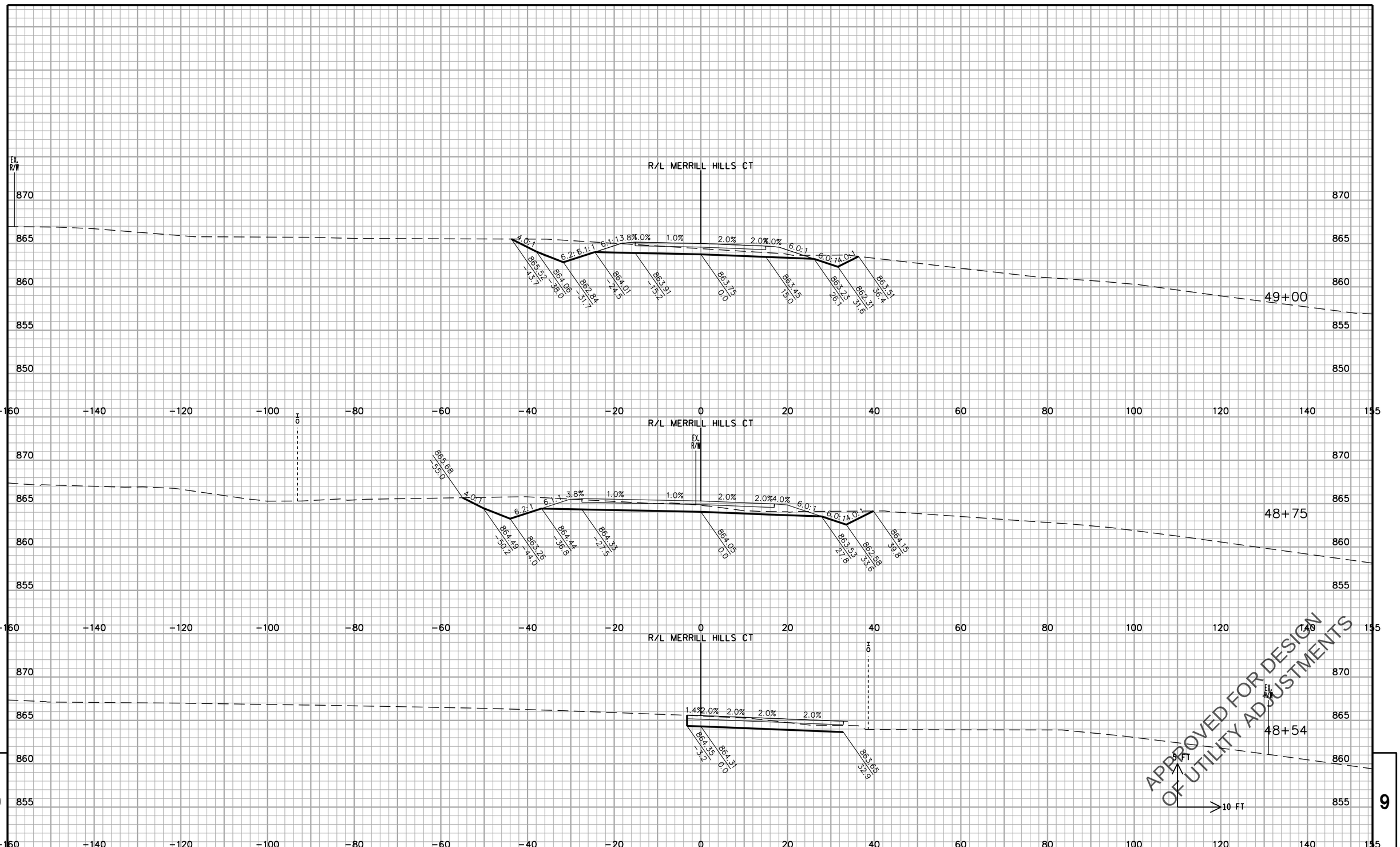
PRE_769



STATE PROJECT NO: 2788-00-71	HWY: USH 18	COUNTY: WAUKESHA	CROSS SECTIONS: MERRILL HILLS ROAD	SHEET NO

FILE NAME : F:\BM1-3324 USH 18 Bypass\5_Design\03_Roads\cds\by_090310_XS_MHR.dgn PLOT DATE : 11-APR-2016 13:38 PLOT BY : torner PLOT NAME : PLOT SCALE : 20:1

PRE_770



STATE PROJECT NO: 2788-00-71	HWY: USH 18	COUNTY: WAUKESHA	CROSS SECTIONS: MERRILL HILLS COURT	SHEET NO.	E

FILE NAME : F:\BM1-3324 USH 18 Bypass\5_Design\03_Roads\cds\by_090311_XS_MHC.dgn PLOT DATE : 11-APR-2016 13:39 PLOT BY : torner PLOT NAME : PLOT SCALE : 20:1

PRE_771

R/L MERRILL HILLS CT

1.0% 1.0% 1.0% 1.0%

863.43 -26.8 | 863.28 -12.0 | 863.16 0.0 | 863.04 12.0 | 862.91 25.3

49+49

R/L MERRILL HILLS CT

864.97 -36.3 | 865.49 -26.6 | 3.0% | 1.0% 1.0% 1.4% 1.4% | 4.8:1 | 864.89 23.5

865.70 -33.4 | 863.70 -26.6 | 863.43 0.0 | 863.29 12.0 | 863.12 23.5 | 865.09 30.4

49+25

APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS

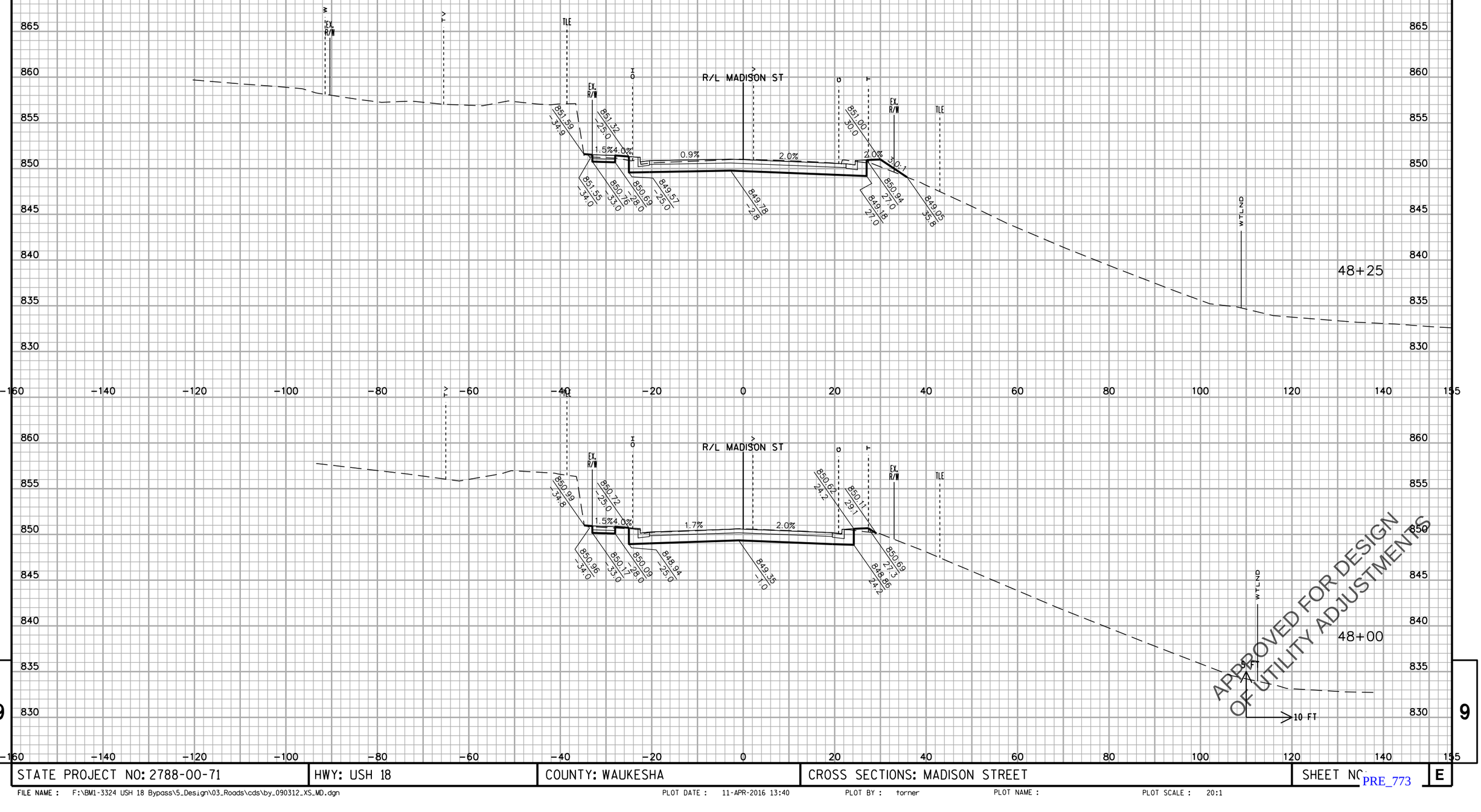
5 FT

10 FT

STATE PROJECT NO: 2788-00-71	HWY: USH 18	COUNTY: WAUKESHA	CROSS SECTIONS: MERRILL HILLS COURT	SHEET NO. 9 E

FILE NAME : F:\BM1-3324 USH 18 Bypass\5_Design\03_Roads\cds\by_090311_XS_MHC.dgn PLOT DATE : 11-APR-2016 13:39 PLOT BY : torner PLOT NAME : PLOT SCALE : 20:1

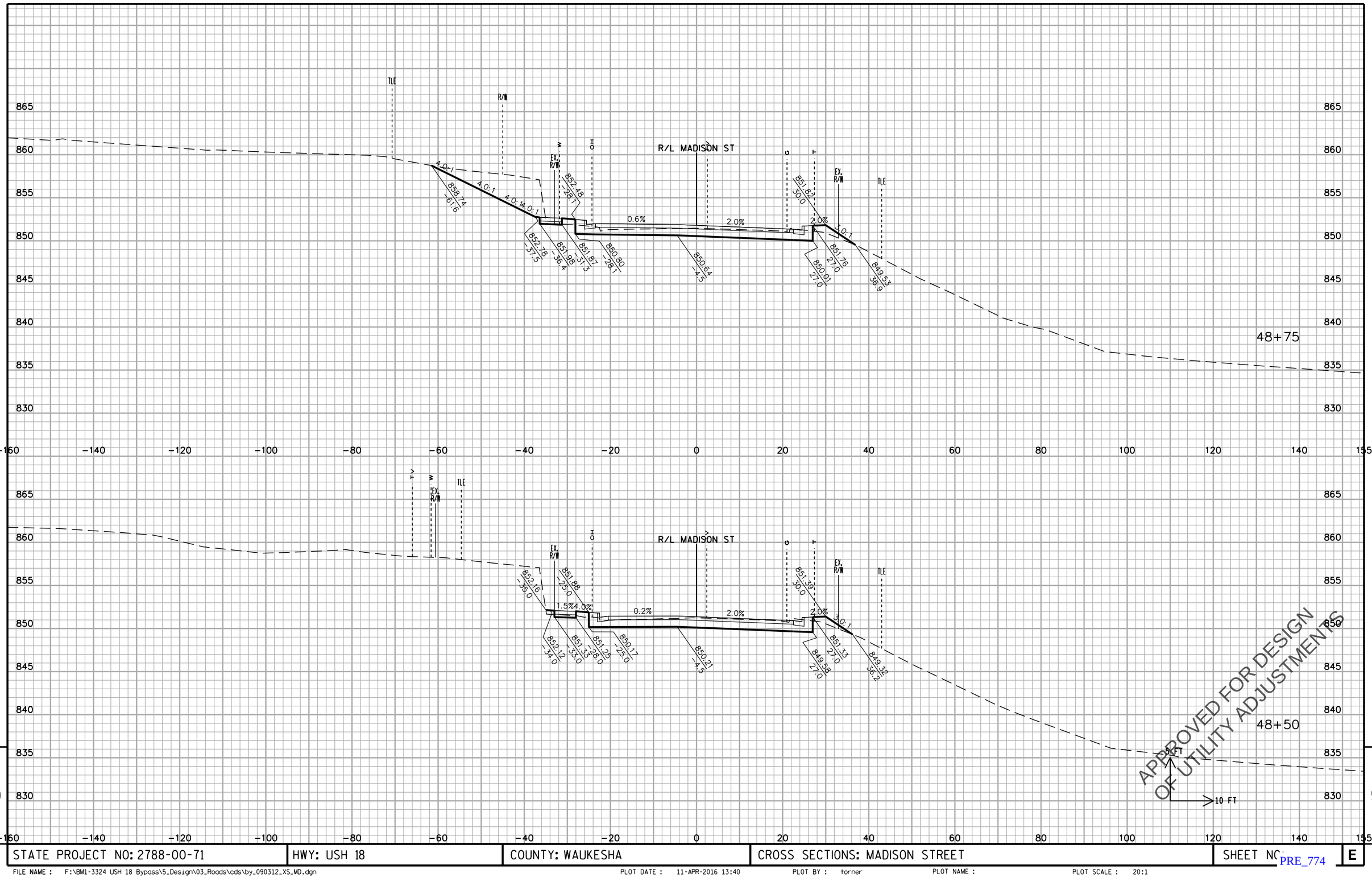
PRE_772



STATE PROJECT NO: 2788-00-71	HWY: USH 18	COUNTY: WAUKESHA	CROSS SECTIONS: MADISON STREET	SHEET NO.	E

FILE NAME : F:\BM1-3324 USH 18 Bypass\5_Design\03_Roads\cds\by_090312_XS_MD.dgn PLOT DATE : 11-APR-2016 13:40 PLOT BY : torner PLOT NAME : PLOT SCALE : 20:1

PRE_773



STATE PROJECT NO: 2788-00-71	HWY: USH 18	COUNTY: WAUKESHA	CROSS SECTIONS: MADISON STREET	SHEET NO	E

FILE NAME : F:\BM1-3324 USH 18 Bypass\5_Design\03_Roads\cds\by_090312_XS_MD.dgn PLOT DATE : 11-APR-2016 13:40 PLOT BY : torner PLOT NAME : PLOT SCALE : 20:1

PRE_774

EX. R/W

R/W

R/L MADISON ST

W

H O

T

SAN

EX. R/W

EX. R/W

853.24
-38.7

4.7:1

3.6%

1.3%

2.1%

2.0%

3.0:1

853.70
-49.5

852.88
-46.3

852.67
-42.2

851.60
-38.7

851.07
-4.5

852.21
30.0

852.15
27.0

850.39
27.0

849.12
39.5

870
865
860
855
850
845
840
835
830

-160 -140 -120 -100 -80 -60 -40 -20 0 20 40 60 80 100 120 140 155

49+00

5 FT

10 FT

APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS

9

9

STATE PROJECT NO: 2788-00-71	HWY: USH 18	COUNTY: WAUKESHA	CROSS SECTIONS: MADISON STREET	SHEET NO.	E

FILE NAME : F:\BM1-3324 USH 18 Bypass\5_Design\03_Roads\cds\by_090312_XS_MD.dgn PLOT DATE : 11-APR-2016 13:40 PLOT BY : torner PLOT NAME : PLOT SCALE : 20:1

PRE_775

875 875

870 870

865 865

860 860

855 855

850 850

845 845

840 840

835 835

830 830

E

R/L MADISON ST

SANITARY

WATER

GAS

TELE

2.1%

3.0%

2.0%

3.0%

852.24
-39.6

851.50
-4.5

850.55
27.0

852.35
27.0

852.41
30.0

849.39
39.1

APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS

49+25

5 FT

10 FT

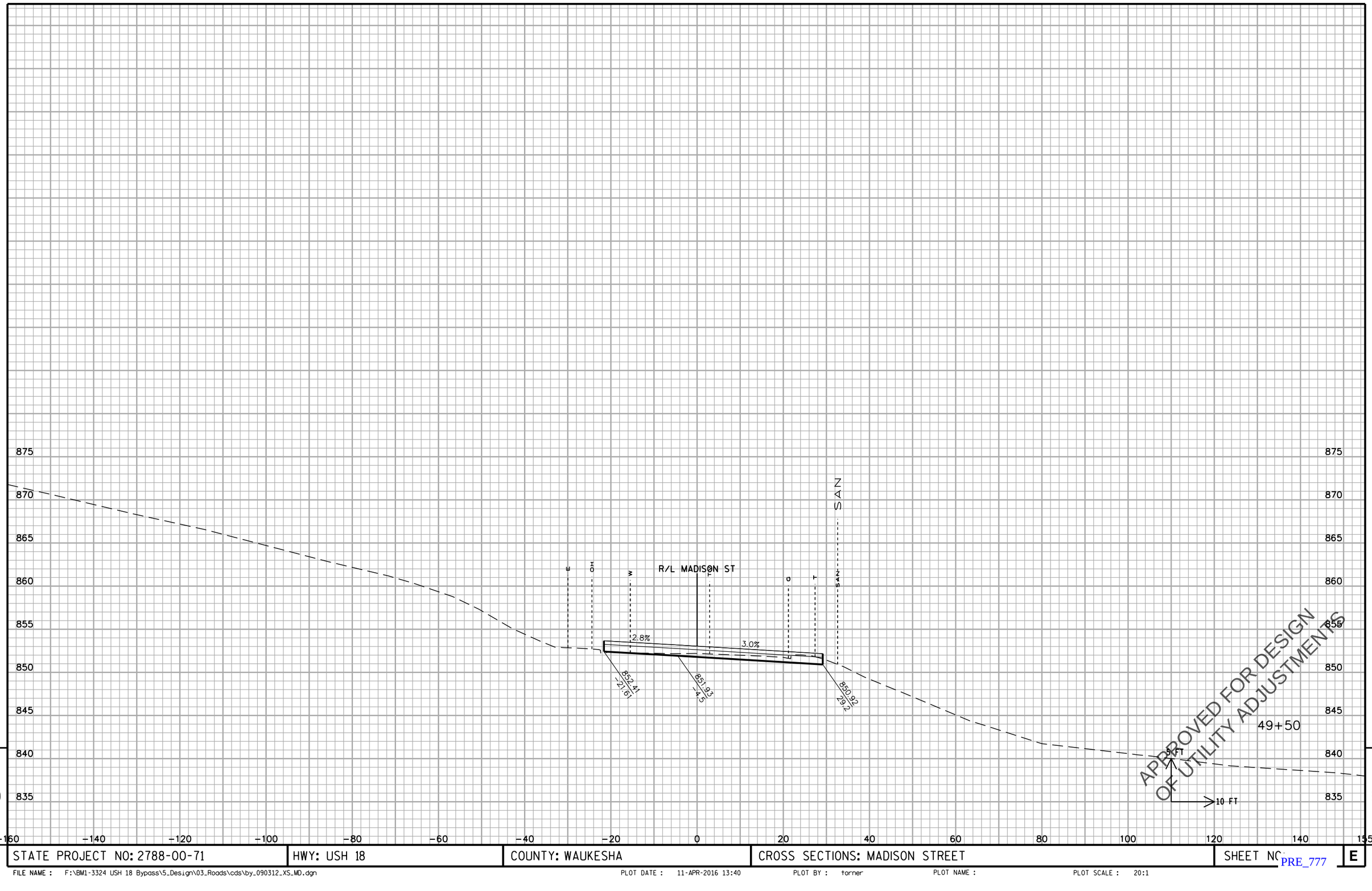
-160 -140 -120 -100 -80 -60 -40 -20 0 20 40 60 80 100 120 140 155

9 9

STATE PROJECT NO: 2788-00-71	HWY: USH 18	COUNTY: WAUKESHA	CROSS SECTIONS: MADISON STREET	SHEET NO	E

FILE NAME : F:\BM1-3324 USH 18 Bypass\5_Design\03_Roads\cds\by_090312_XS_MD.dgn PLOT DATE : 11-APR-2016 13:40 PLOT BY : torner PLOT NAME : PLOT SCALE : 20:1

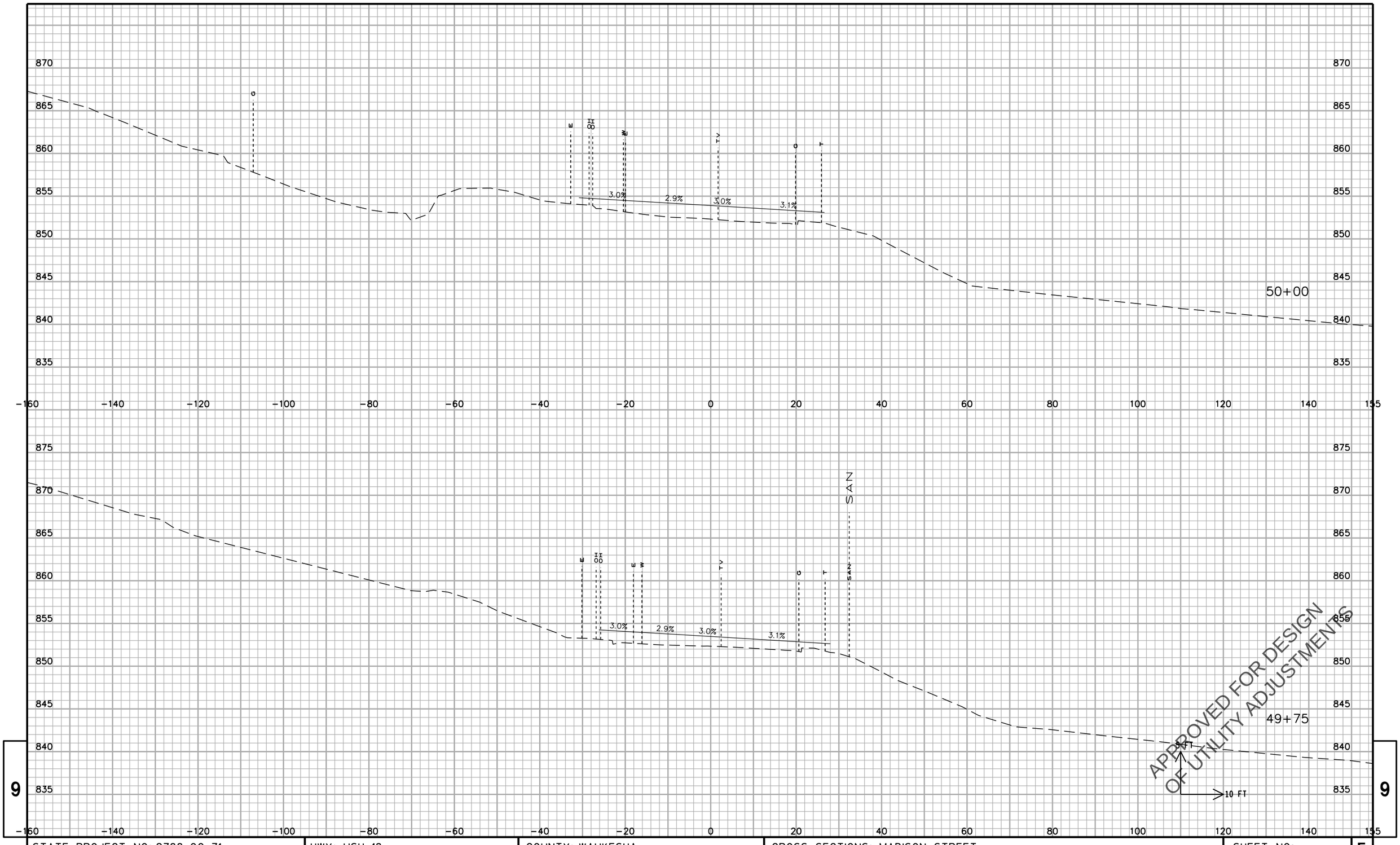
PRE_776



STATE PROJECT NO: 2788-00-71	HWY: USH 18	COUNTY: WAUKESHA	CROSS SECTIONS: MADISON STREET	SHEET NO	E

FILE NAME : F:\BM1-3324 USH 18 Bypass\5_Design\03_Roads\cds\by_090312_XS_MD.dgn PLOT DATE : 11-APR-2016 13:40 PLOT BY : torner PLOT NAME : PLOT SCALE : 20:1

PRE_777

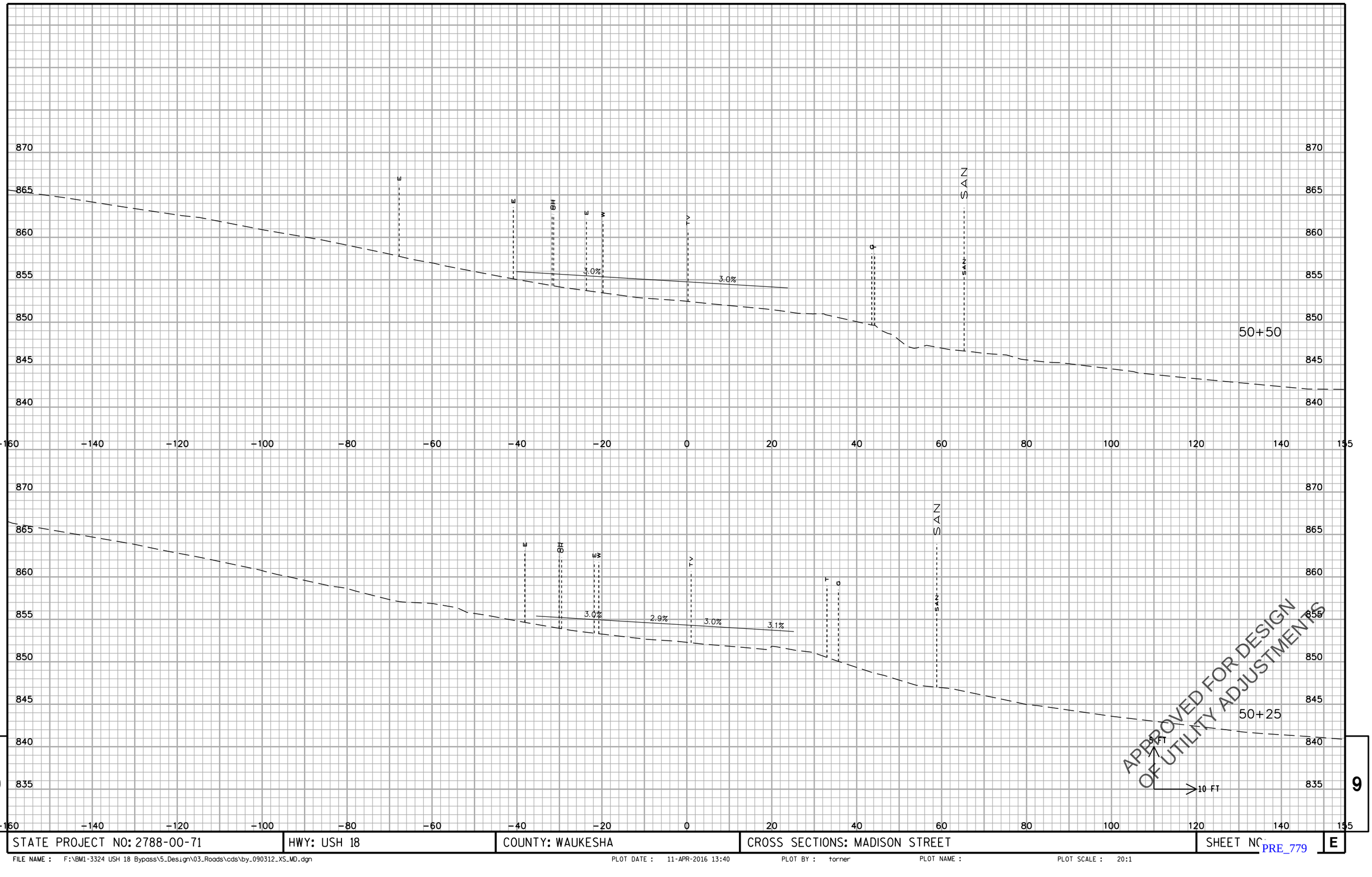


APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS

PRE_778

STATE PROJECT NO: 2788-00-71	HWY: USH 18	COUNTY: WAUKESHA	CROSS SECTIONS: MADISON STREET	SHEET NO	E

FILE NAME : F:\BM1-3324 USH 18 Bypass\5_Design\03_Roads\cds\by_090312_XS_MD.dgn PLOT DATE : 11-APR-2016 13:40 PLOT BY : torner PLOT NAME : PLOT SCALE : 20:1



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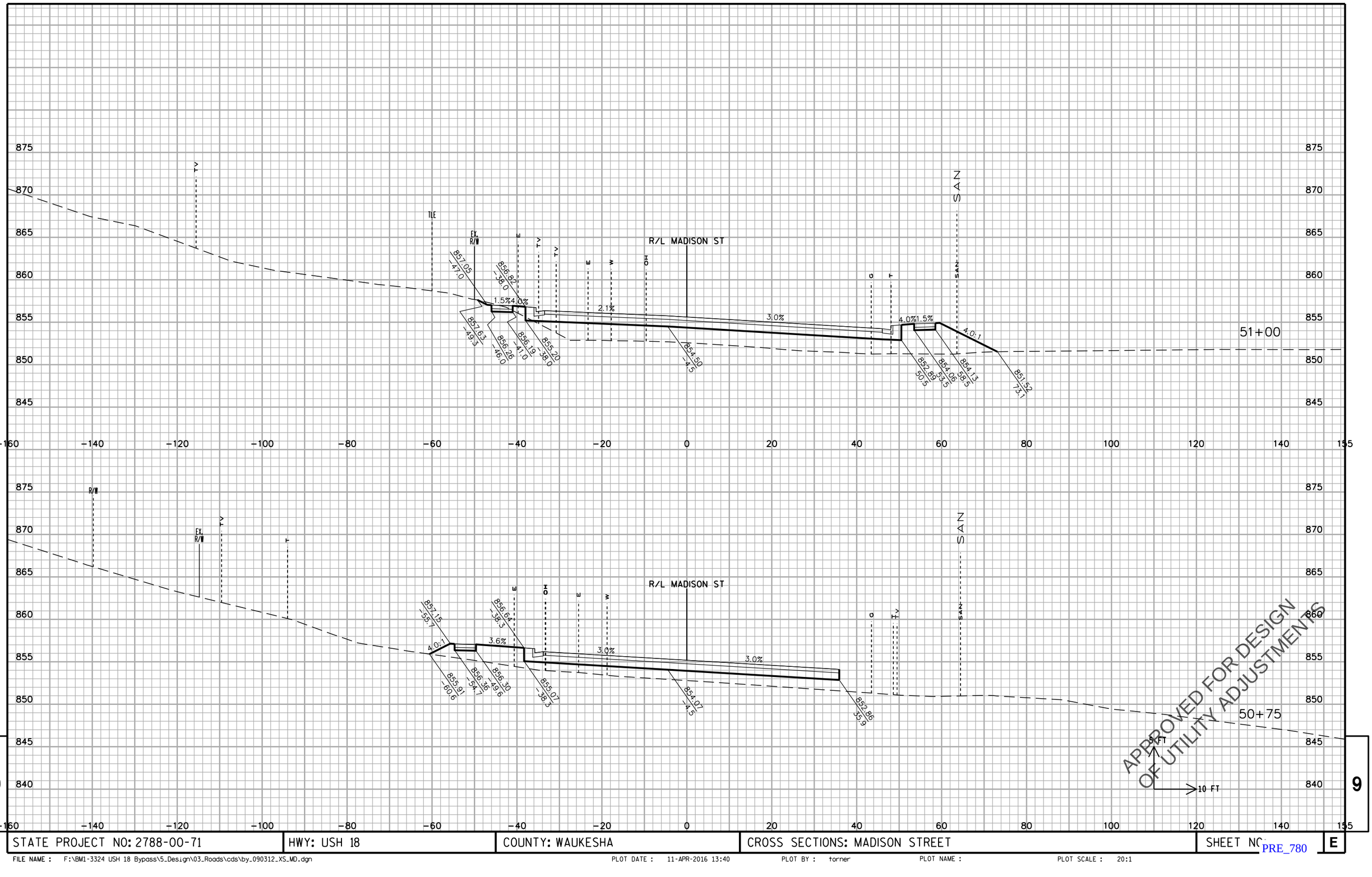
STATE PROJECT NO: 2788-00-71	HWY: USH 18	COUNTY: WAUKESHA	CROSS SECTIONS: MADISON STREET	SHEET NO	E

FILE NAME : F:\BM1-3324 USH 18 Bypass\5_Design\03_Roads\cds\by_090312_XS_MD.dgn PLOT DATE : 11-APR-2016 13:40 PLOT BY : torner PLOT NAME : PLOT SCALE : 20:1

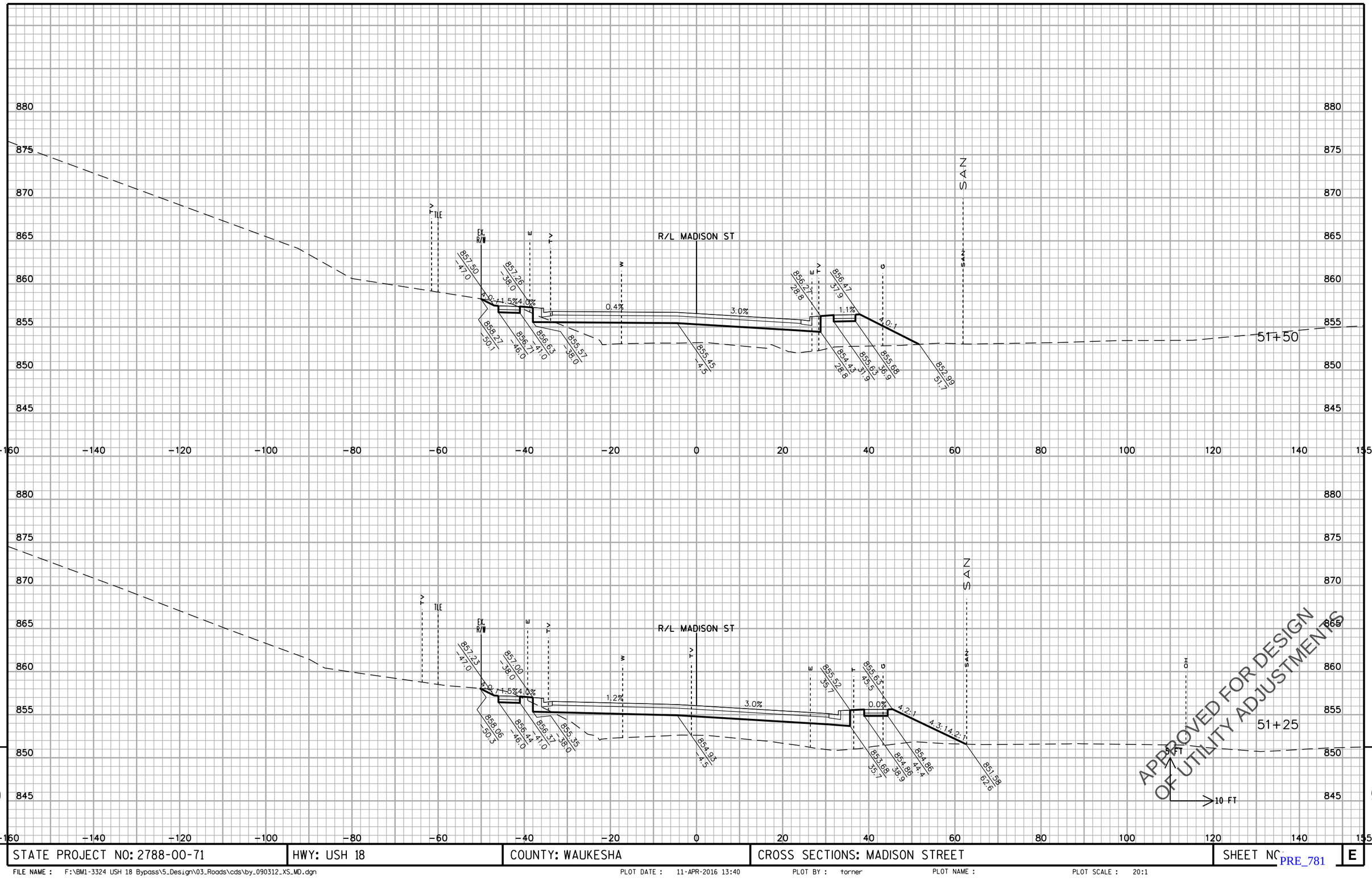
PRE_779



STATE PROJECT NO: 2788-00-71	HWY: USH 18	COUNTY: WAUKESHA	CROSS SECTIONS: MADISON STREET	SHEET NO.	E

FILE NAME : F:\BM1-3324 USH 18 Bypass\5_Design\03_Roads\cds\by_090312_XS_MD.dgn PLOT DATE : 11-APR-2016 13:40 PLOT BY : torner PLOT NAME : PLOT SCALE : 20:1

PRE_780

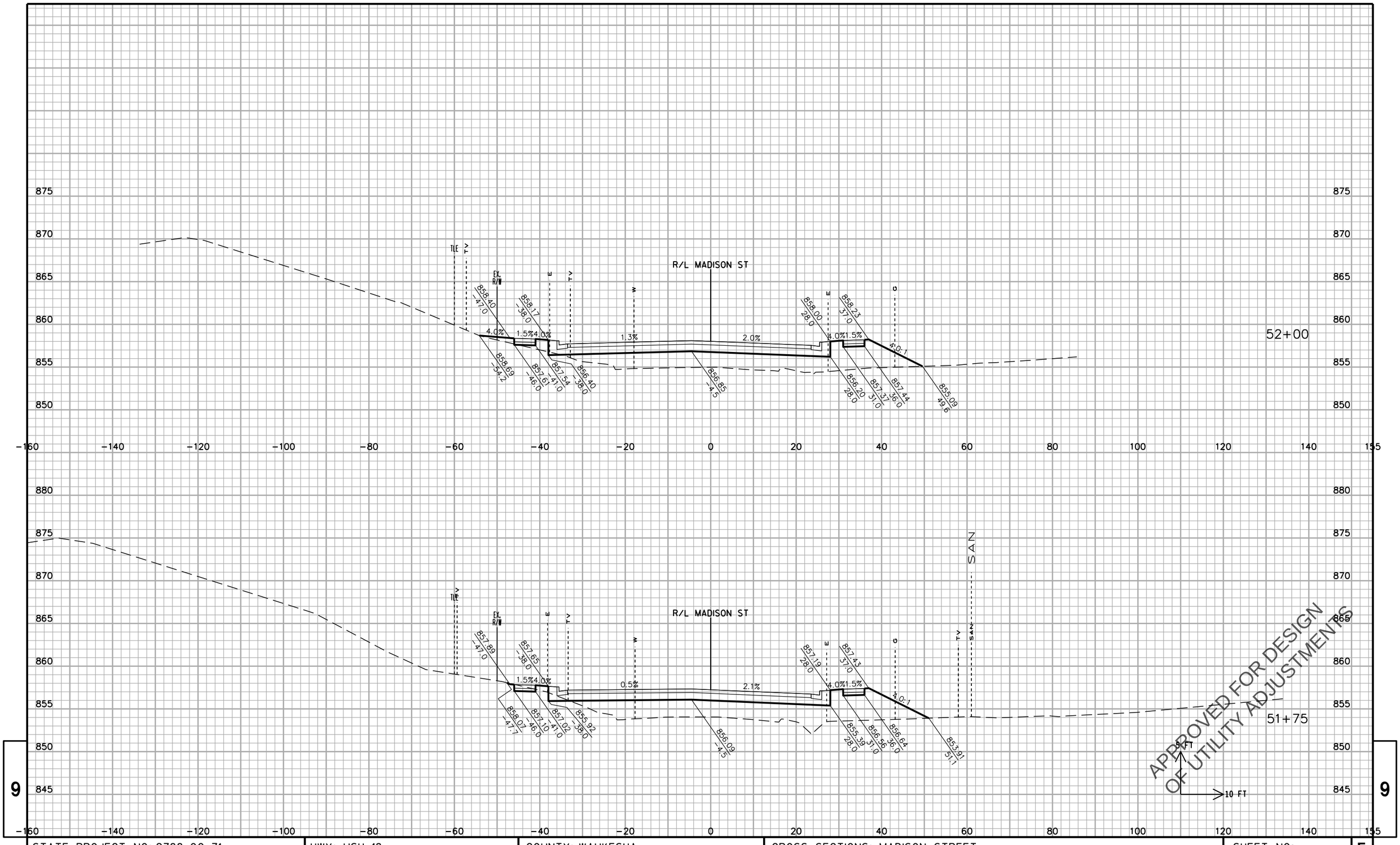


STATE PROJECT NO: 2788-00-71	HWY: USH 18	COUNTY: WAUKESHA	CROSS SECTIONS: MADISON STREET	SHEET NO.

9 E

FILE NAME : F:\BM1-3324 USH 18 Bypass\5_Design\03_Roads\cds\by_090312_XS_MD.dgn PLOT DATE : 11-APR-2016 13:40 PLOT BY : torner PLOT NAME : PLOT SCALE : 20:1

PRE_781



APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS

STATE PROJECT NO: 2788-00-71	HWY: USH 18	COUNTY: WAUKESHA	CROSS SECTIONS: MADISON STREET	SHEET NO.
				E

FILE NAME : F:\BM1-3324 USH 18 Bypass\5_Design\03_Roads\cds\by_090312_XS_MD.dgn PLOT DATE : 11-APR-2016 13:40 PLOT BY : torner PLOT NAME : PLOT SCALE : 20:1

PRE_782

9

STATE PROJECT NO: 2788-00-71	HWY: USH 18	COUNTY: WAUKESHA	CROSS SECTIONS: MADISON STREET	SHEET NO.	E

FILE NAME : F:\BM1-3324 USH 18 Bypass\5_Design\03_Roads\cds\by_090312_XS_MD.dgn PLOT DATE : 11-APR-2016 13:40 PLOT BY : torner PLOT NAME : PLOT SCALE : 20:1

PRE_783

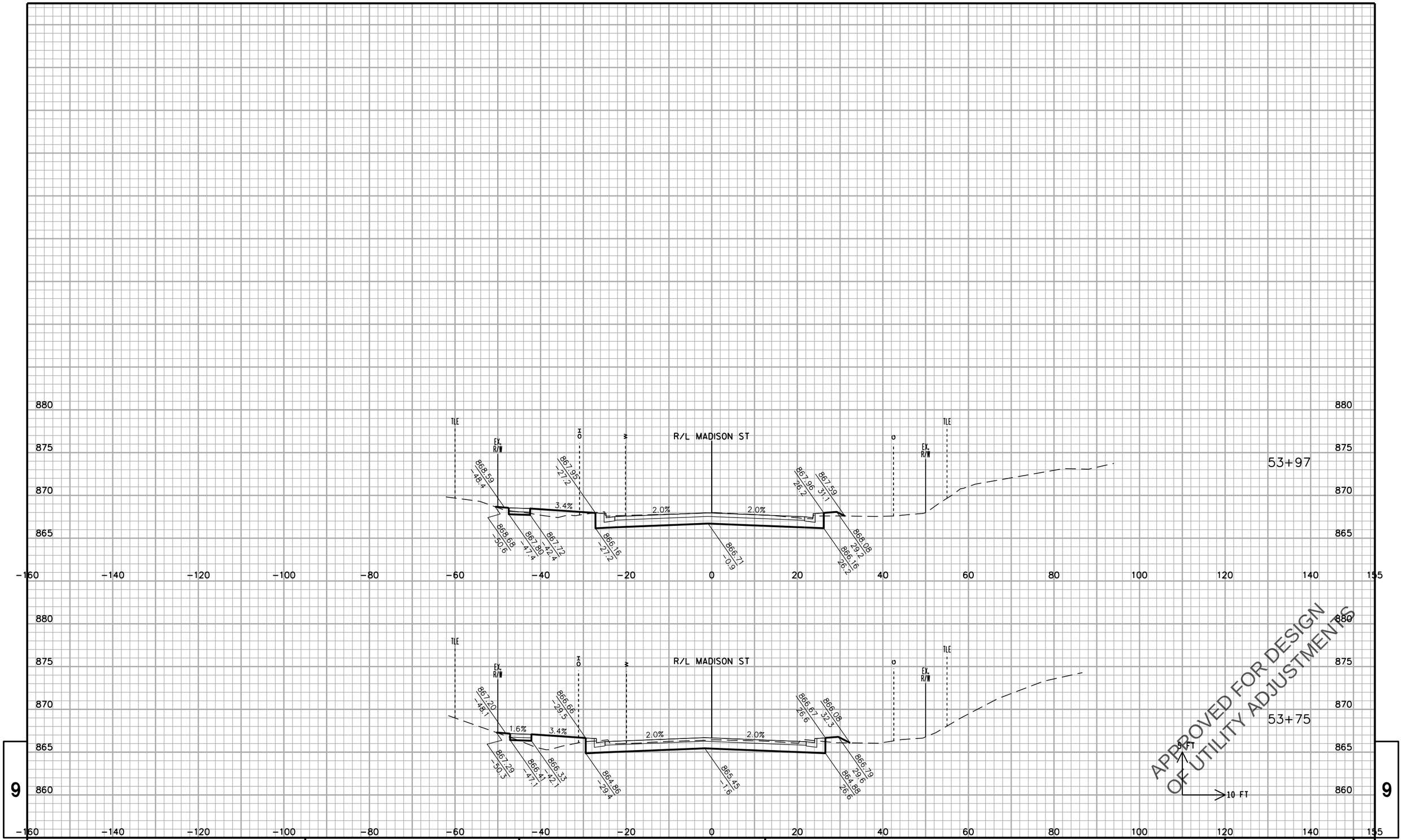
STATE PROJECT NO: 2788-00-71	HWY: USH 18	COUNTY: WAUKESHA	CROSS SECTIONS: MADISON STREET	SHEET NO.	E

FILE NAME : F:\BM1-3324 USH 18 Bypass\5_Design\03_Roads\cds\by_090312_XS_MD.dgn PLOT DATE : 11-APR-2016 13:40 PLOT BY : torner PLOT NAME : PLOT SCALE : 20:1

PRE_784

9

9



STATE PROJECT NO: 2788-00-71	HWY: USH 18	COUNTY: WAUKESHA	CROSS SECTIONS: MADISON STREET	SHEET NO.	E

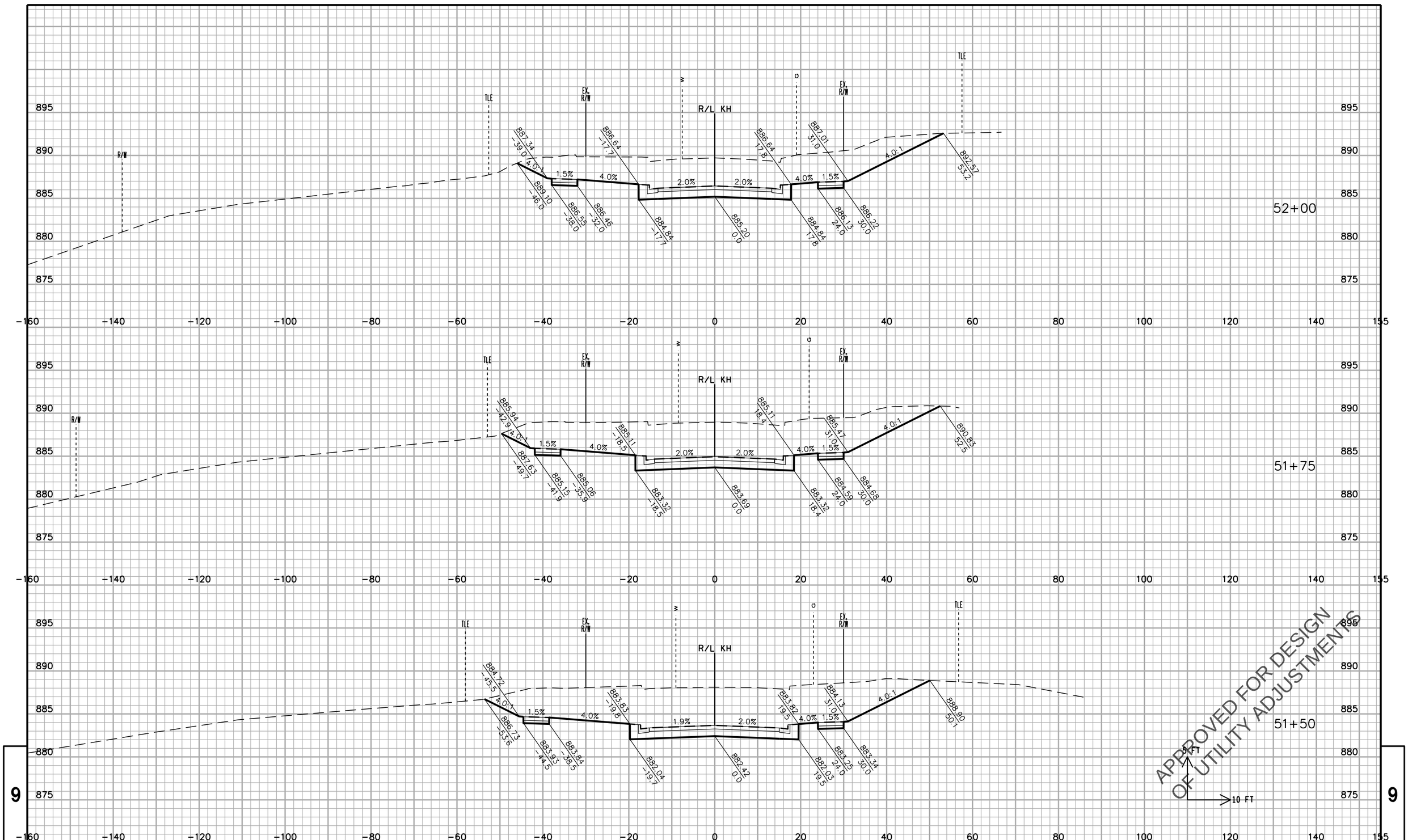
FILE NAME : F:\BM1-3324 USH 18 Bypass\5_Design\03_Roads\cds\by_090312_XS_MD.dgn PLOT DATE : 11-APR-2016 13:40 PLOT BY : torner PLOT NAME : PLOT SCALE : 20:1

PRE_785

STATE PROJECT NO: 2788-00-71	HWY: USH 18	COUNTY: WAUKESHA	CROSS SECTIONS: KISDON HILL DRIVE	SHEET NO.	E

FILE NAME : F:\BM1-3324 USH 18 Bypass\5_Design\03_Roads\cds\by_090313_XS_KH.dgn PLOT DATE : 11-APR-2016 13:41 PLOT BY : torner PLOT NAME : PLOT SCALE : 20:1

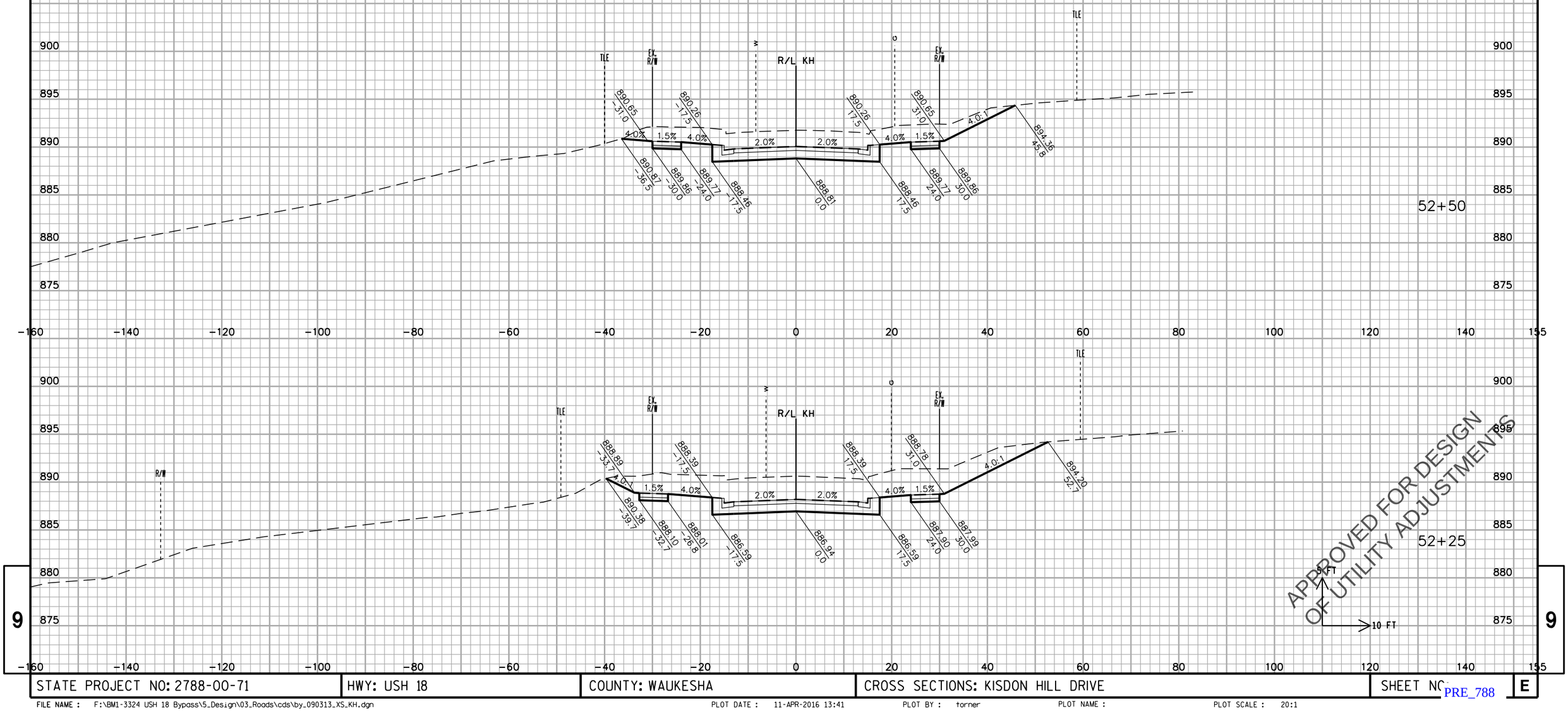
PRE_786



STATE PROJECT NO: 2788-00-71	HWY: USH 18	COUNTY: WAUKESHA	CROSS SECTIONS: KISDON HILL DRIVE	SHEET NO.	E

FILE NAME : F:\BM1-3324 USH 18 Bypass\5_Design\03_Roads\cds\by_090313_XS_KH.dgn PLOT DATE : 11-APR-2016 13:41 PLOT BY : torner PLOT NAME : PLOT SCALE : 20:1

PRE_787

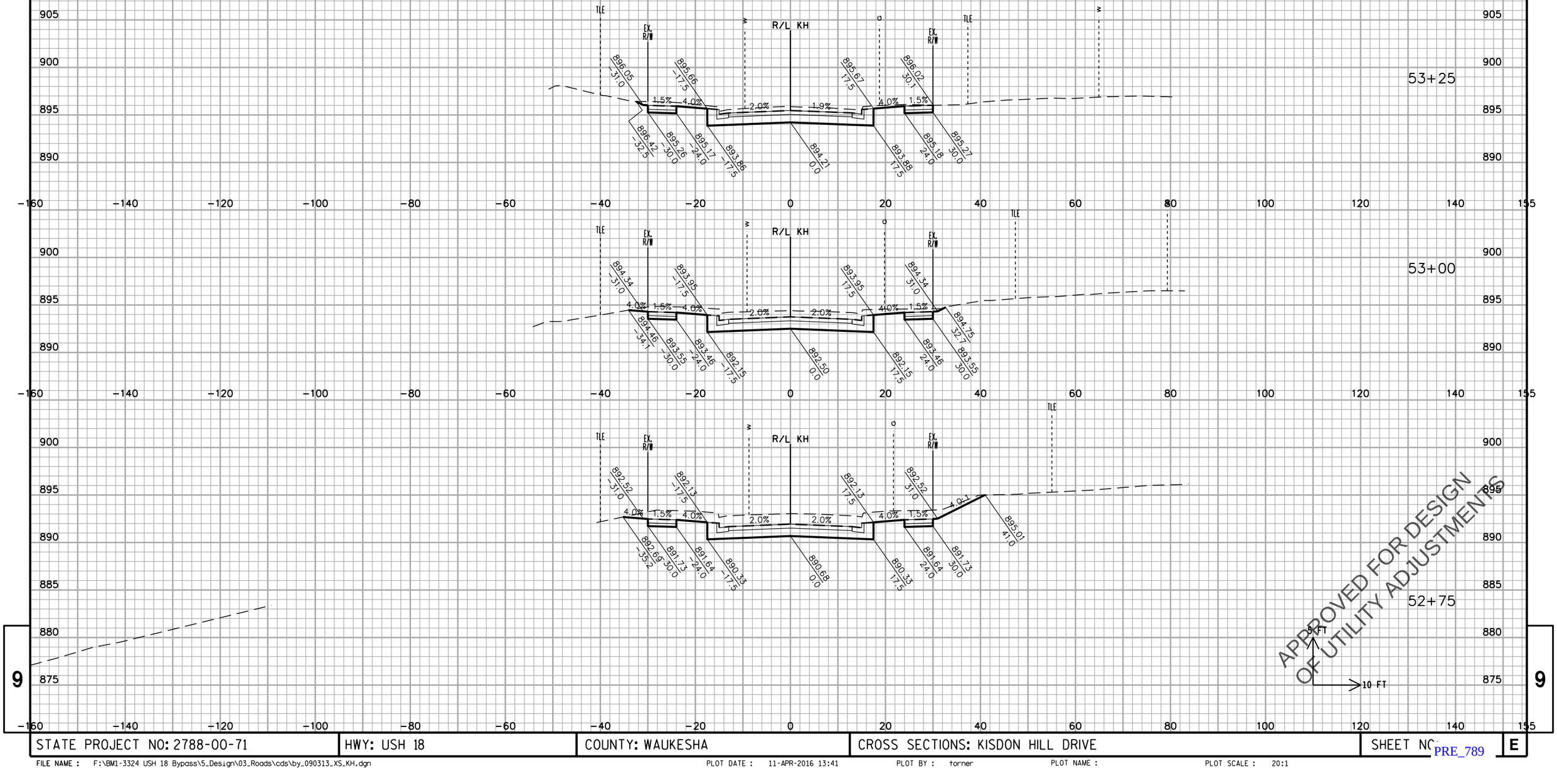


APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS

STATE PROJECT NO: 2788-00-71	HWY: USH 18	COUNTY: WAUKESHA	CROSS SECTIONS: KISDON HILL DRIVE	SHEET NO.	E

FILE NAME : F:\BM1-3324 USH 18 Bypass\5_Design\03_Roads\cds\by_090313_XS_KH.dgn PLOT DATE : 11-APR-2016 13:41 PLOT BY : torner PLOT NAME : PLOT SCALE : 20:1

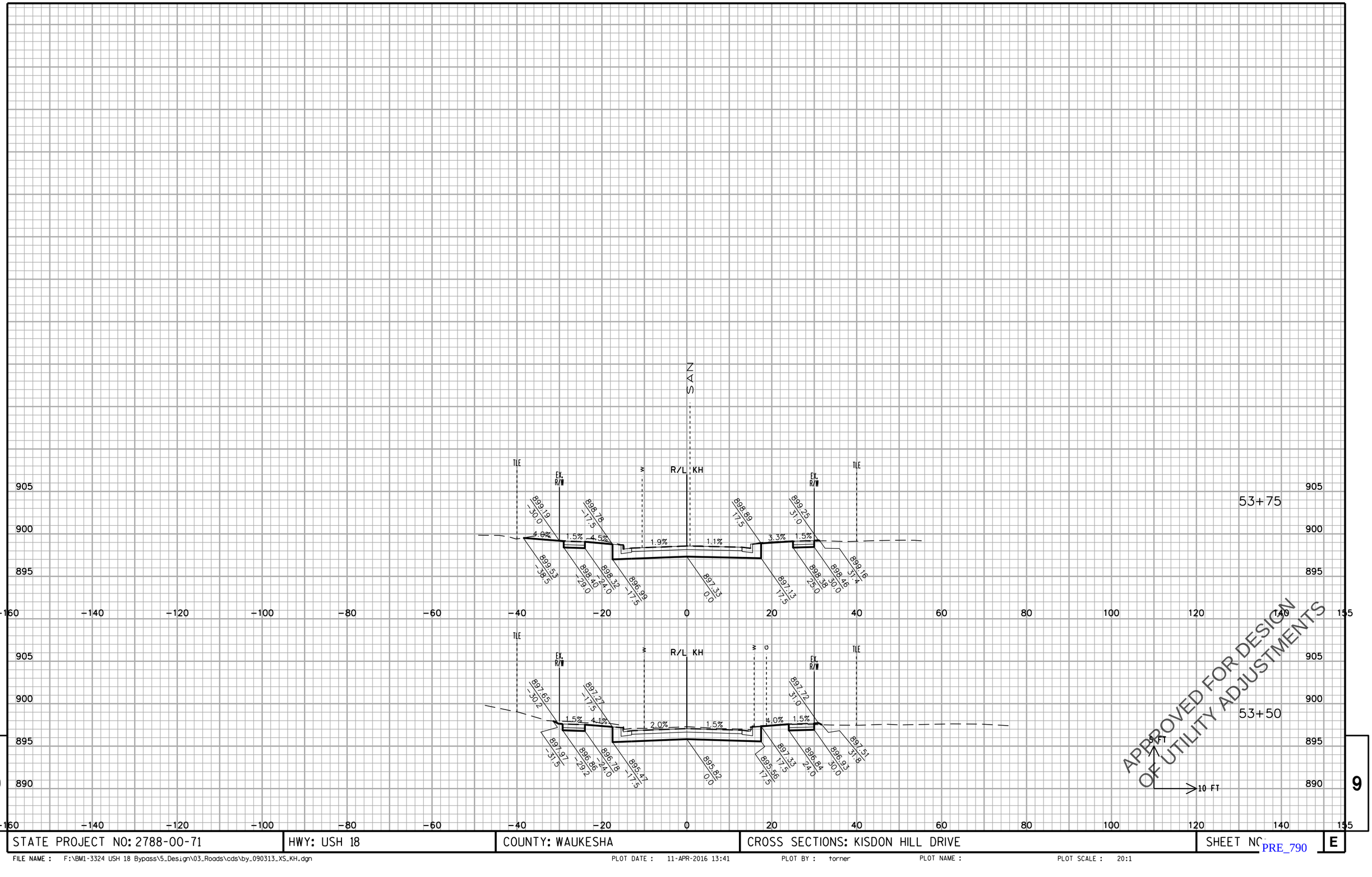
PRE_788



STATE PROJECT NO: 2788-00-71	HWY: USH 18	COUNTY: WAUKESHA	CROSS SECTIONS: KISDON HILL DRIVE	SHEET NO.	E

FILE NAME : F:\BM1-3324 USH 18 Bypass\5_Design\03_Roads\cds\by_090313_XS_KH.dgn PLOT DATE : 11-APR-2016 13:41 PLOT BY : torner PLOT NAME : PLOT SCALE : 20:1

PRE_789



APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS

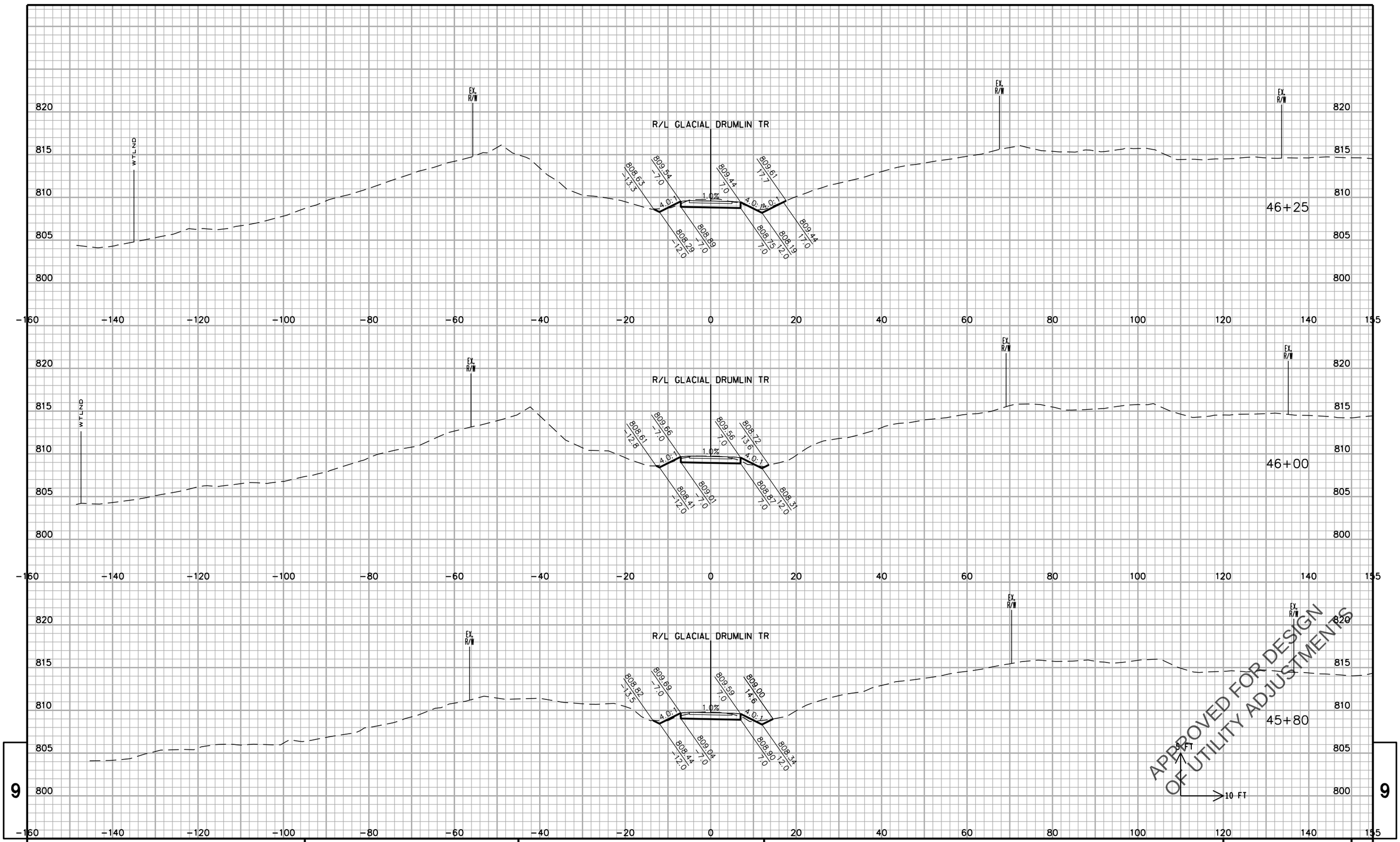
9

9

STATE PROJECT NO: 2788-00-71	HWY: USH 18	COUNTY: WAUKESHA	CROSS SECTIONS: KISDON HILL DRIVE	SHEET NO.	E

FILE NAME : F:\BM1-3324 USH 18 Bypass\5_Design\03_Roads\cds\by_090313_XS_KH.dgn PLOT DATE : 11-APR-2016 13:41 PLOT BY : torner PLOT NAME : PLOT SCALE : 20:1

PRE_790



APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS

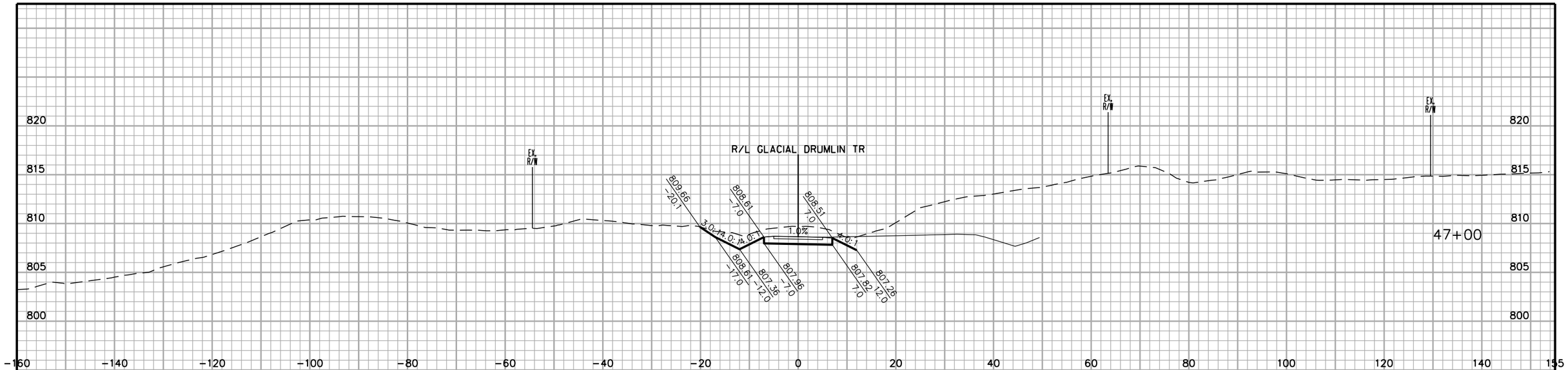
5 FT
10 FT

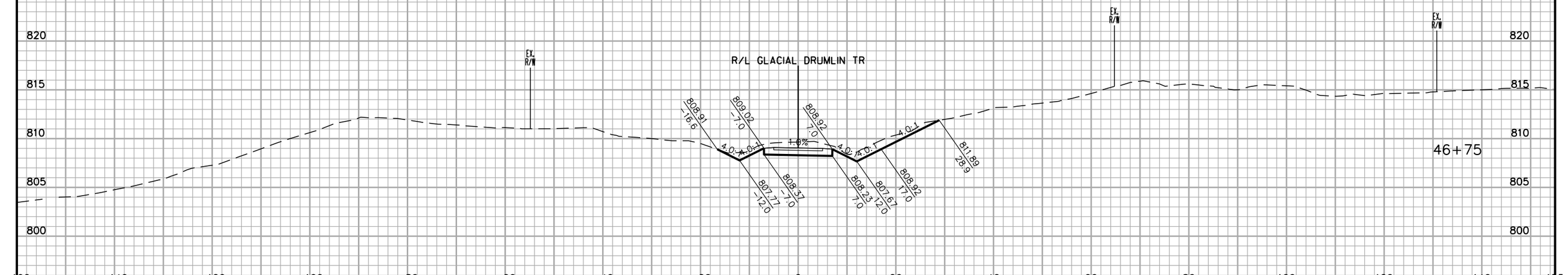
9

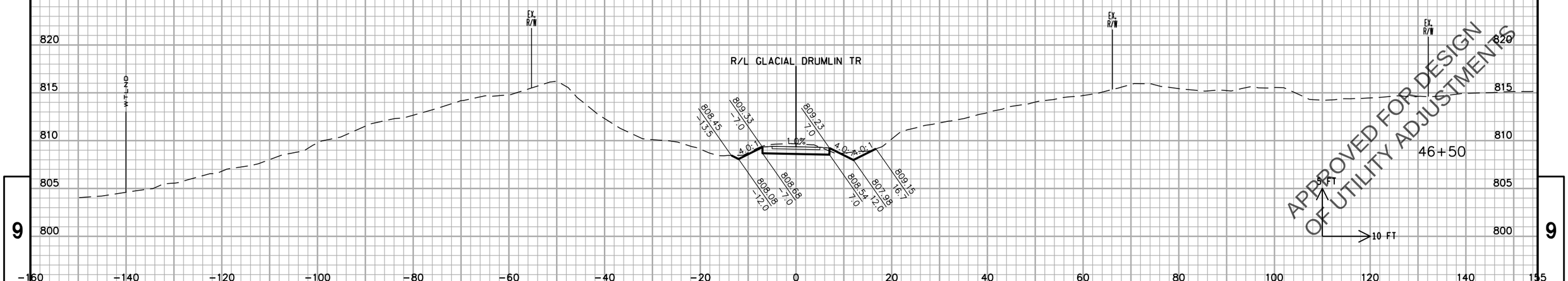
STATE PROJECT NO: 2788-00-71	HWY: USH 18	COUNTY: WAUKESHA	CROSS SECTIONS: GLACIAL DRUMLIN TRAIL	SHEET NO.	E

FILE NAME : F:\BM1-3324 USH 18 Bypass\5_Design\03_Roads\cds\by_090401_XS_GDT.dgn PLOT DATE : 11-APR-2016 13:42 PLOT BY : torner PLOT NAME : PLOT SCALE : 20:1

PRE_791





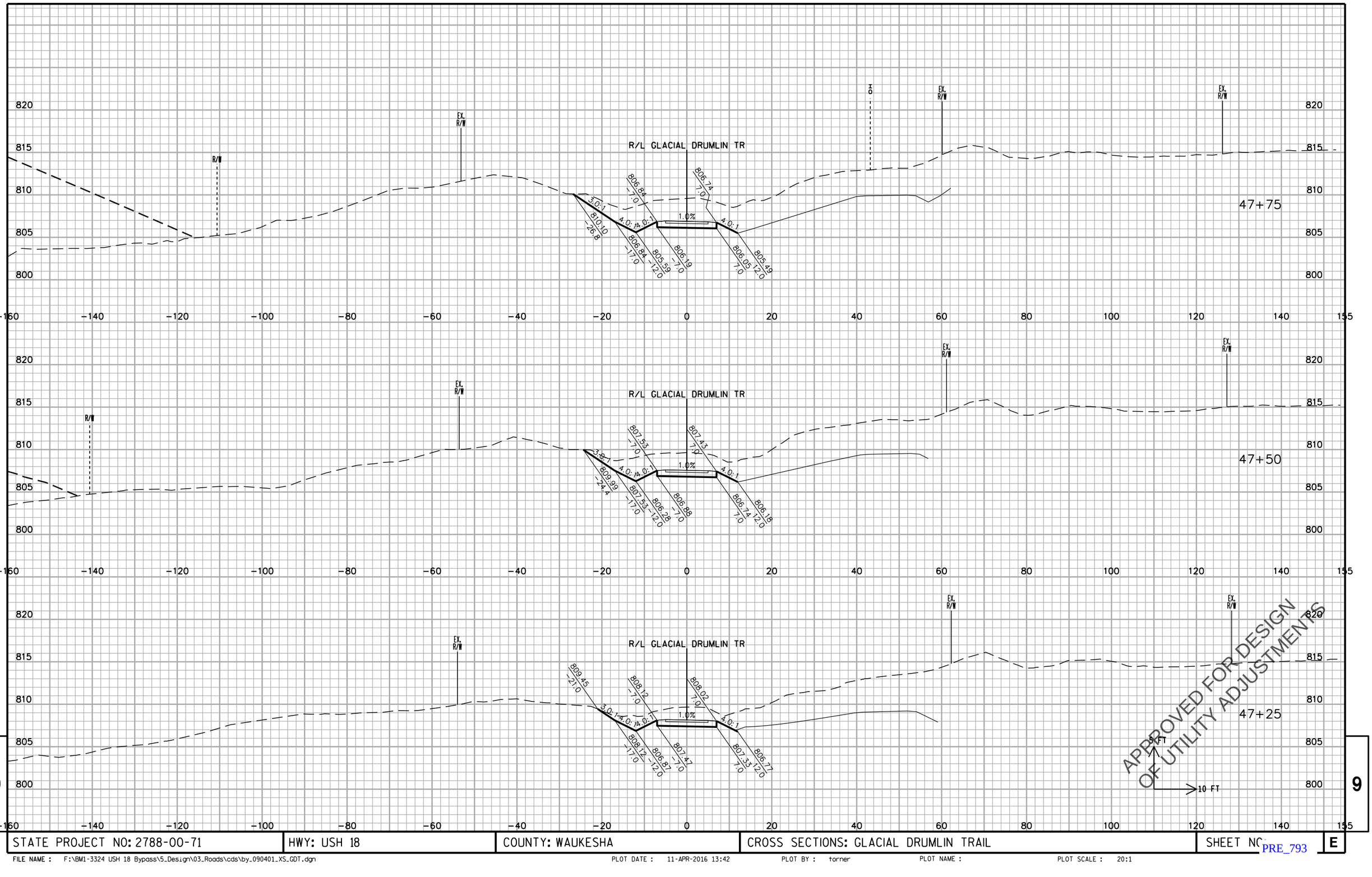


9

STATE PROJECT NO: 2788-00-71	HWY: USH 18	COUNTY: WAUKESHA	CROSS SECTIONS: GLACIAL DRUMLIN TRAIL	SHEET NO.	E

FILE NAME : F:\BM1-3324 USH 18 Bypass\5_Design\03_Roads\cds\by_090401_XS_GDT.dgn PLOT DATE : 11-APR-2016 13:42 PLOT BY : torner PLOT NAME : PLOT SCALE : 20:1

PRE_792



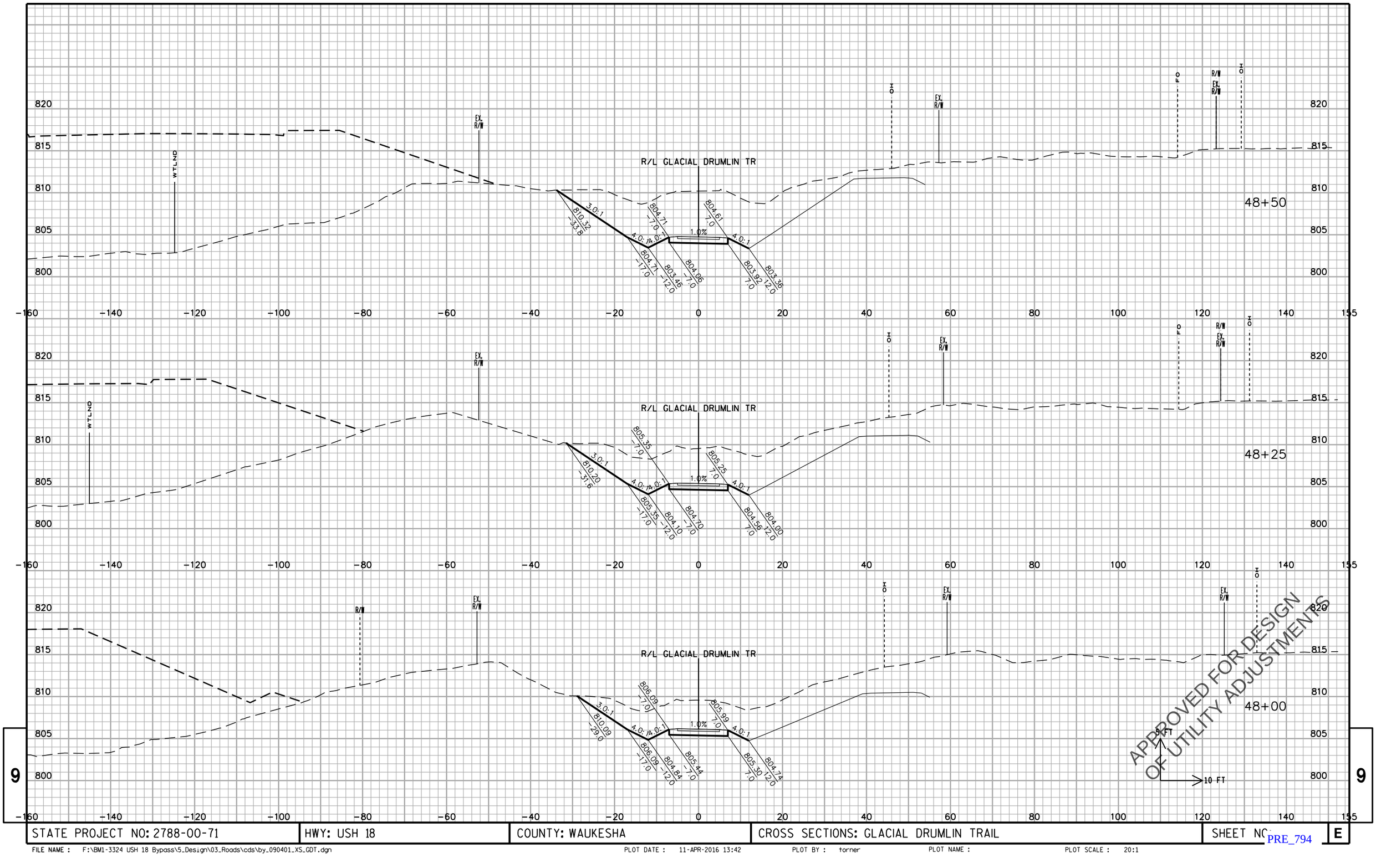
STATE PROJECT NO: 2788-00-71	HWY: USH 18	COUNTY: WAUKESHA	CROSS SECTIONS: GLACIAL DRUMLIN TRAIL	SHEET NO.	E

FILE NAME : F:\BM1-3324 USH 18 Bypass\5_Design\03_Roads\cds\by_090401_XS_GDT.dgn PLOT DATE : 11-APR-2016 13:42 PLOT BY : torner PLOT NAME : PLOT SCALE : 20:1

PRE_793

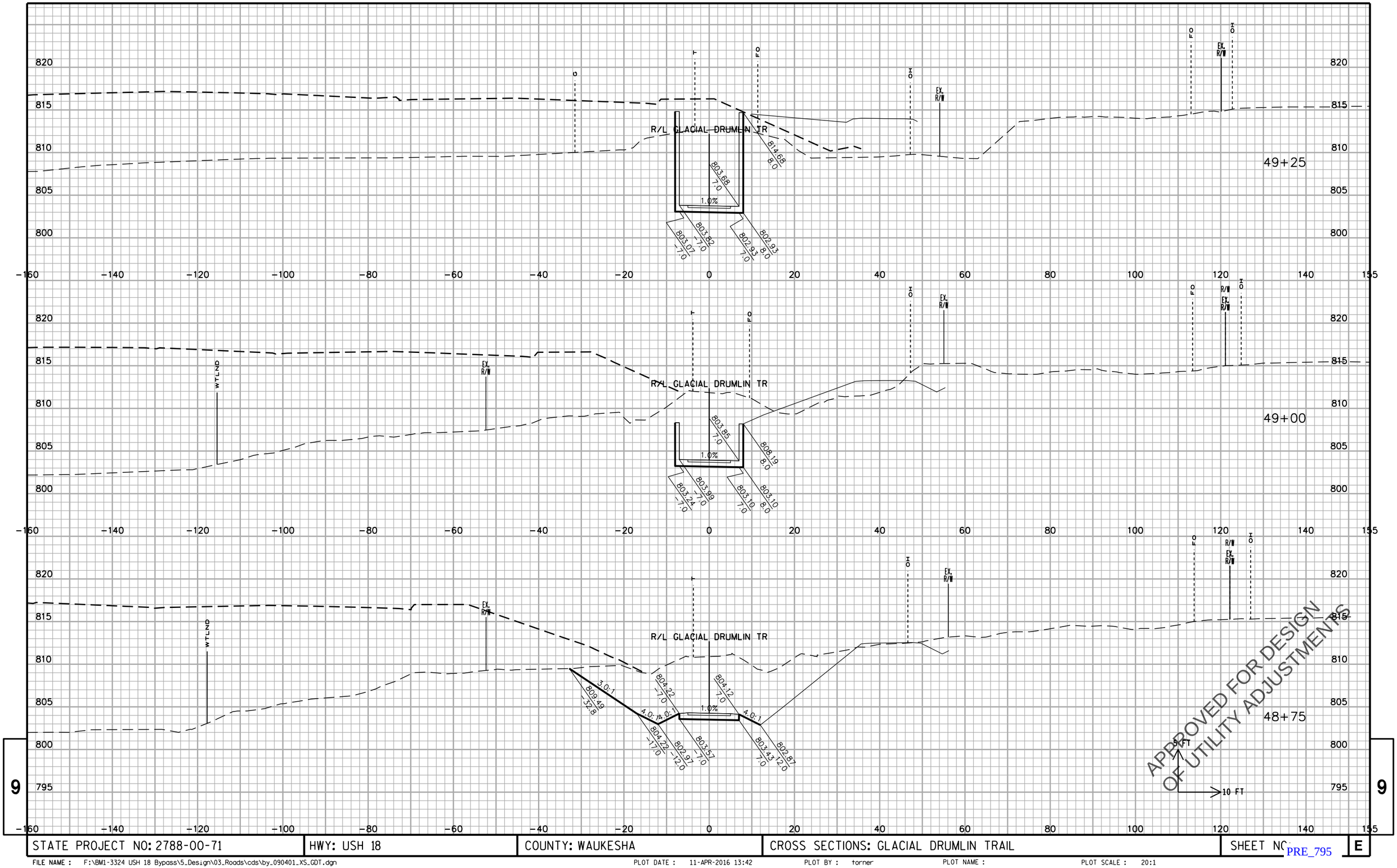
9

9



STATE PROJECT NO: 2788-00-71	HWY: USH 18	COUNTY: WAUKESHA	CROSS SECTIONS: GLACIAL DRUMLIN TRAIL	SHEET NO.	E

FILE NAME : F:\BM1-3324 USH 18 Bypass\5_Design\03_Roads\cds\by_090401_XS_GDT.dgn PLOT DATE : 11-APR-2016 13:42 PLOT BY : torner PLOT NAME : PLOT SCALE : 20:1



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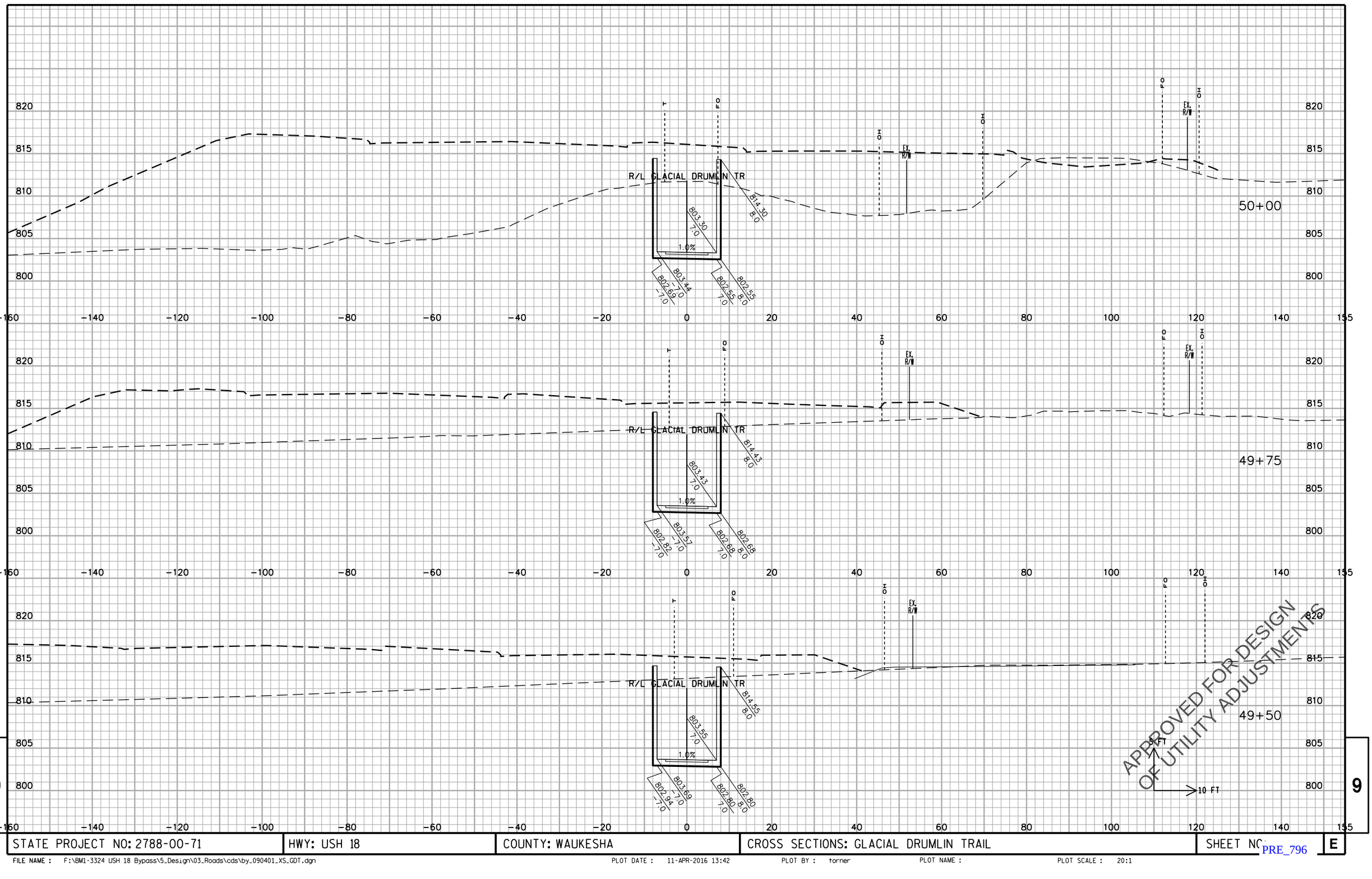
STATE PROJECT NO: 2788-00-71	HWY: USH 18	COUNTY: WAUKESHA	CROSS SECTIONS: GLACIAL DRUMLIN TRAIL	SHEET NO.	E

FILE NAME : F:\BM1-3324 USH 18 Bypass\5_Design\03_Roads\cds\by_090401_XS_GDT.dgn PLOT DATE : 11-APR-2016 13:42 PLOT BY : torner PLOT NAME : PLOT SCALE : 20:1

PRE_795



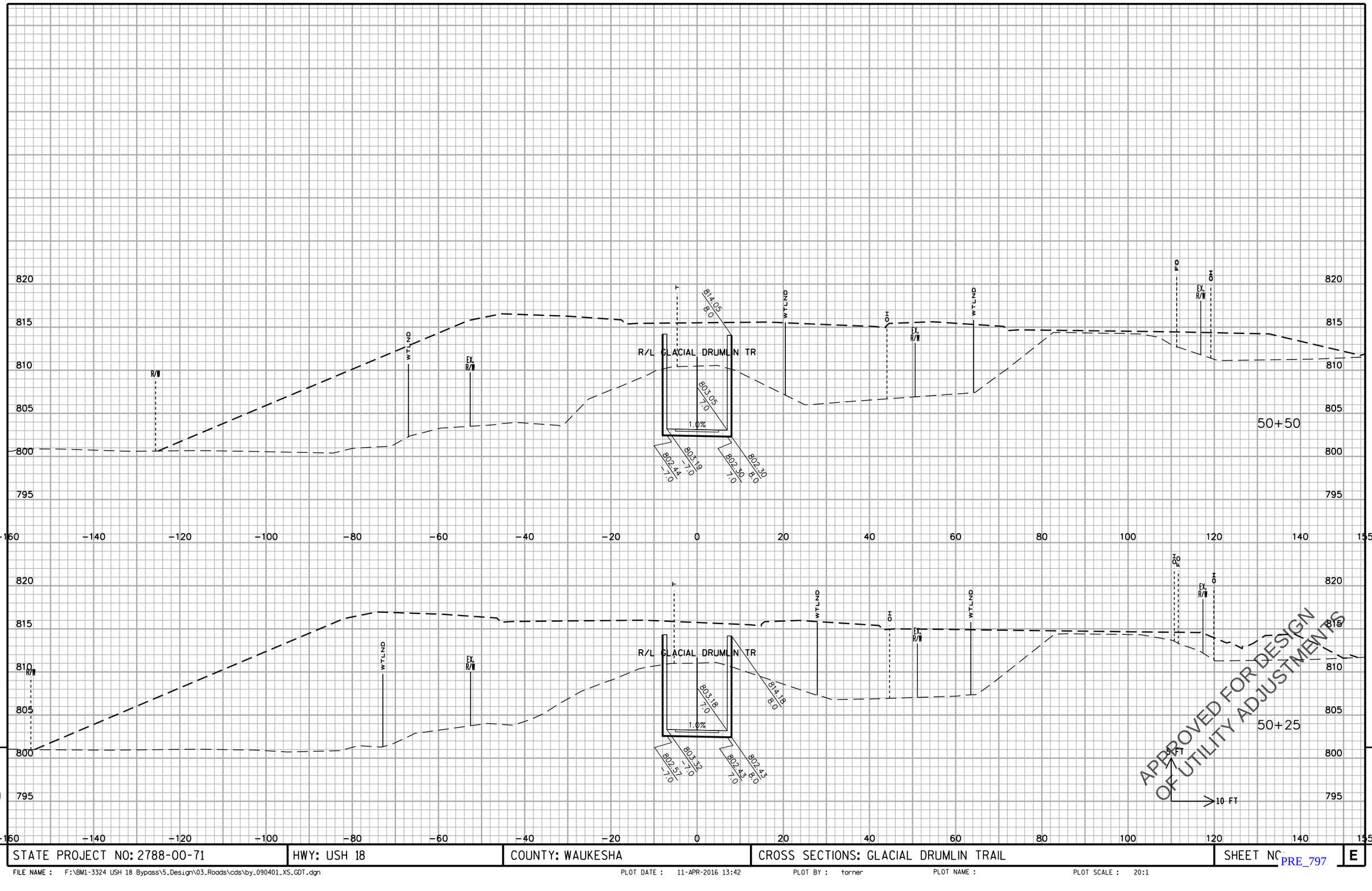
APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS

9

STATE PROJECT NO: 2788-00-71	HWY: USH 18	COUNTY: WAUKESHA	CROSS SECTIONS: GLACIAL DRUMLIN TRAIL	SHEET NO.	E

FILE NAME : F:\BM1-3324 USH 18 Bypass\5_Design\03_Roads\cds\by_090401_XS_GDT.dgn PLOT DATE : 11-APR-2016 13:42 PLOT BY : torner PLOT NAME : PLOT SCALE : 20:1

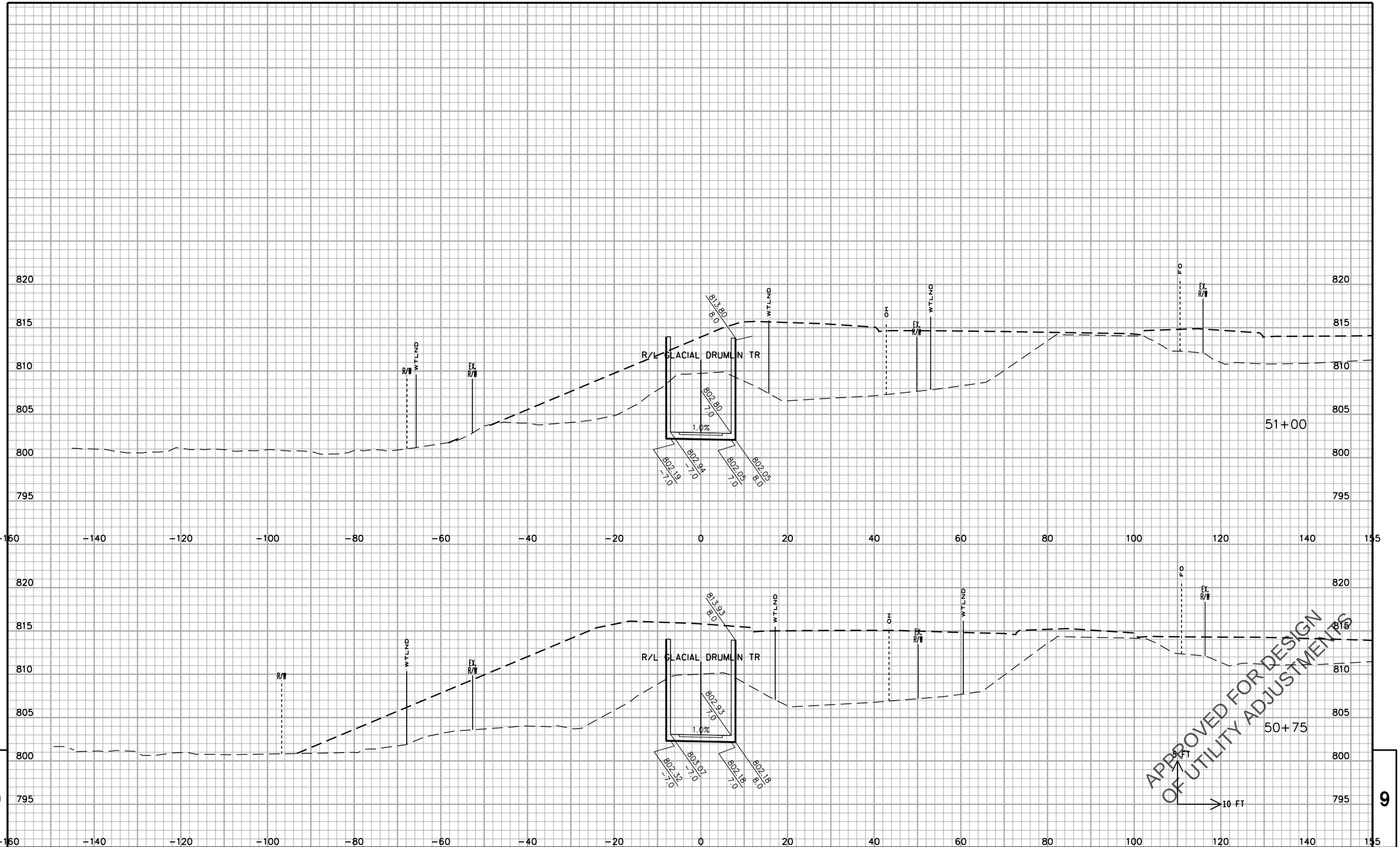
PRE_796



STATE PROJECT NO: 2788-00-71	HWY: USH 18	COUNTY: WAUKESHA	CROSS SECTIONS: GLACIAL DRUMLIN TRAIL	SHEET NO.	E

FILE NAME : F:\BM1-3324 USH 18 Bypass\5_Design\03_Roads\cds\by_090401_XS_GDT.dgn PLOT DATE : 11-APR-2016 13:42 PLOT BY : torner PLOT NAME : PLOT SCALE : 20:1

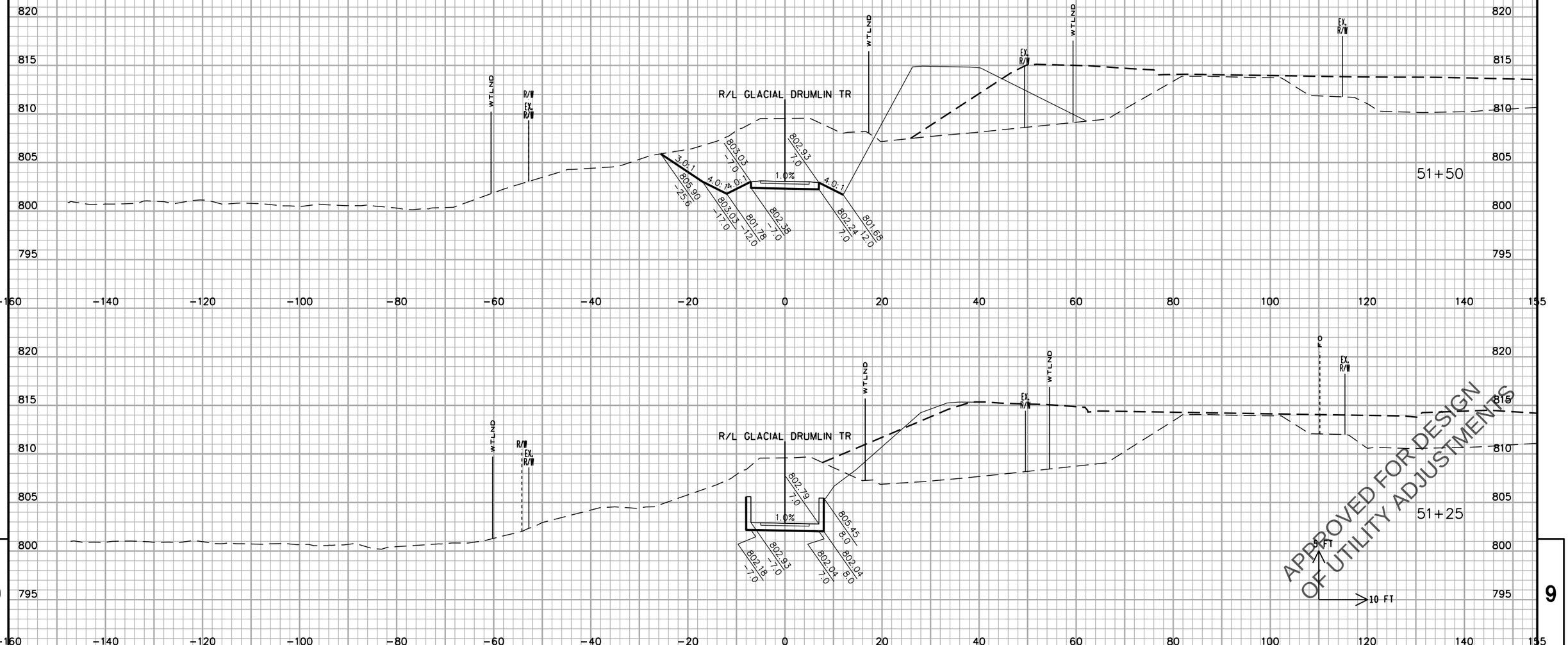
PRE_797



STATE PROJECT NO: 2788-00-71	HWY: USH 18	COUNTY: WAUKESHA	CROSS SECTIONS: GLACIAL DRUMLIN TRAIL	SHEET NO.	E

FILE NAME : F:\BM1-3324 USH 18 Bypass\5_Design\03_Roads\cds\by_090401_XS_GDT.dgn PLOT DATE : 11-APR-2016 13:42 PLOT BY : torner PLOT NAME : PLOT SCALE : 20:1

PRE_798



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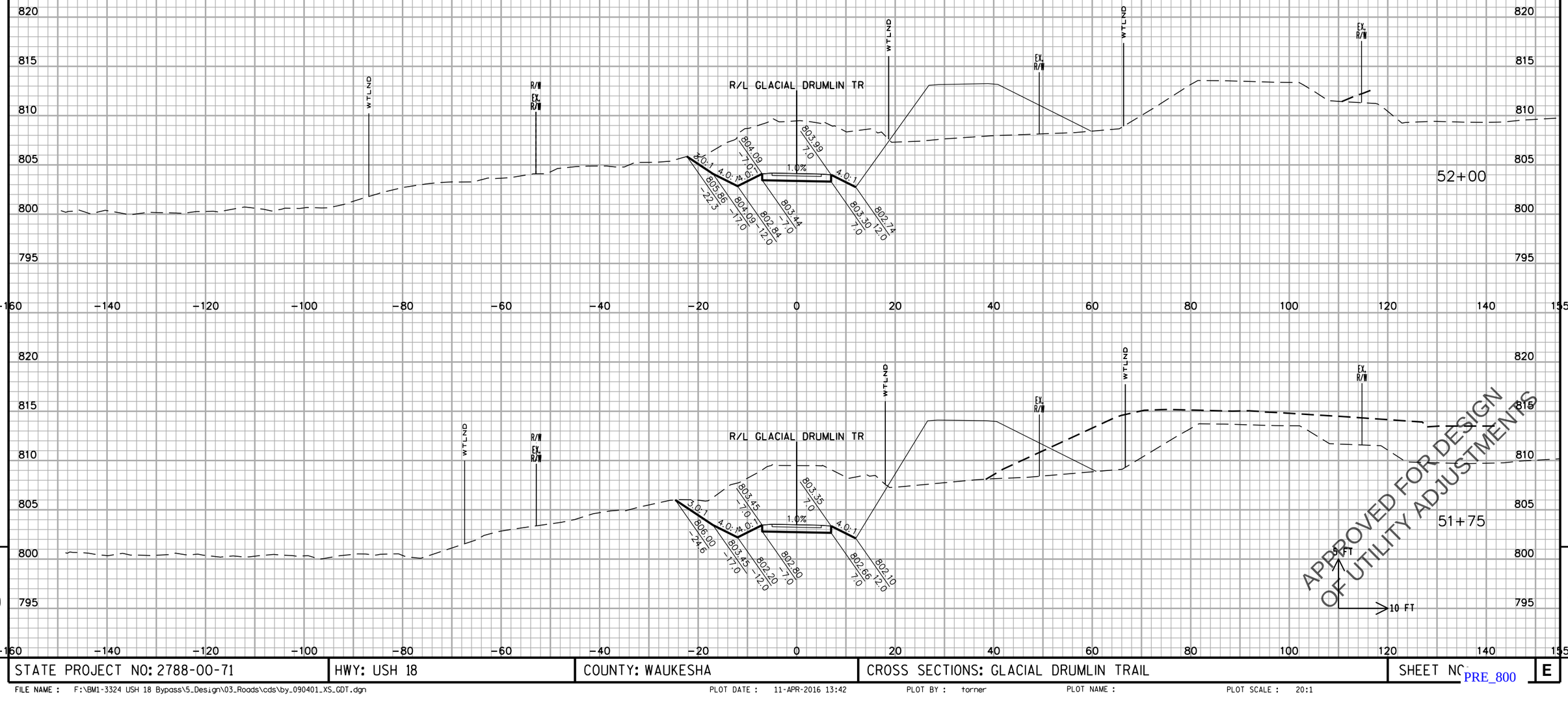
STATE PROJECT NO: 2788-00-71	HWY: USH 18	COUNTY: WAUKESHA	CROSS SECTIONS: GLACIAL DRUMLIN TRAIL	SHEET NO.	E

9



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STATE PROJECT NO: 2788-00-71	HWY: USH 18	COUNTY: WAUKESHA	CROSS SECTIONS: GLACIAL DRUMLIN TRAIL	SHEET NO	E

FILE NAME : F:\BM1-3324 USH 18 Bypass\5_Design\03_Roads\cds\by_090401_XS_GDT.dgn PLOT DATE : 11-APR-2016 13:42 PLOT BY : torner PLOT NAME : PRE_800 PLOT SCALE : 20:1

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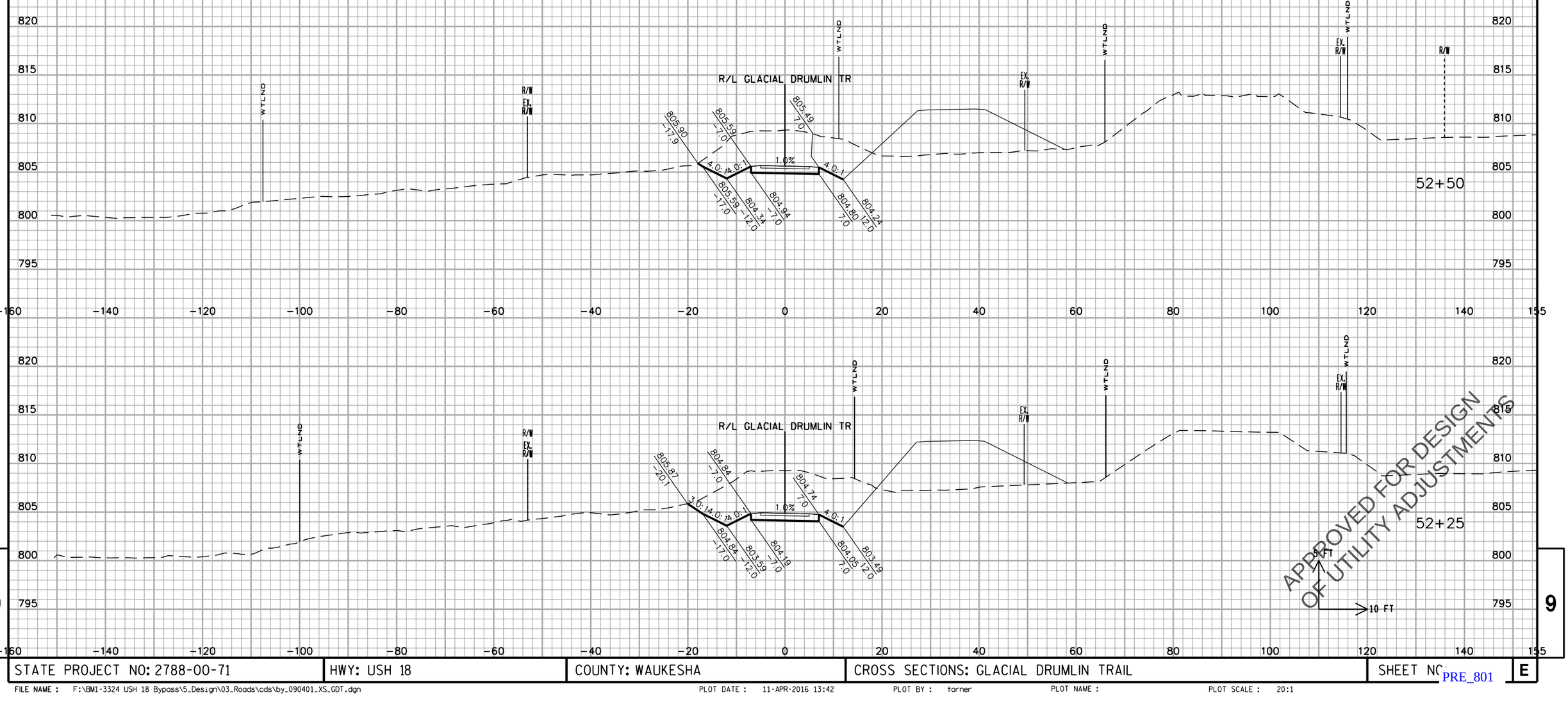
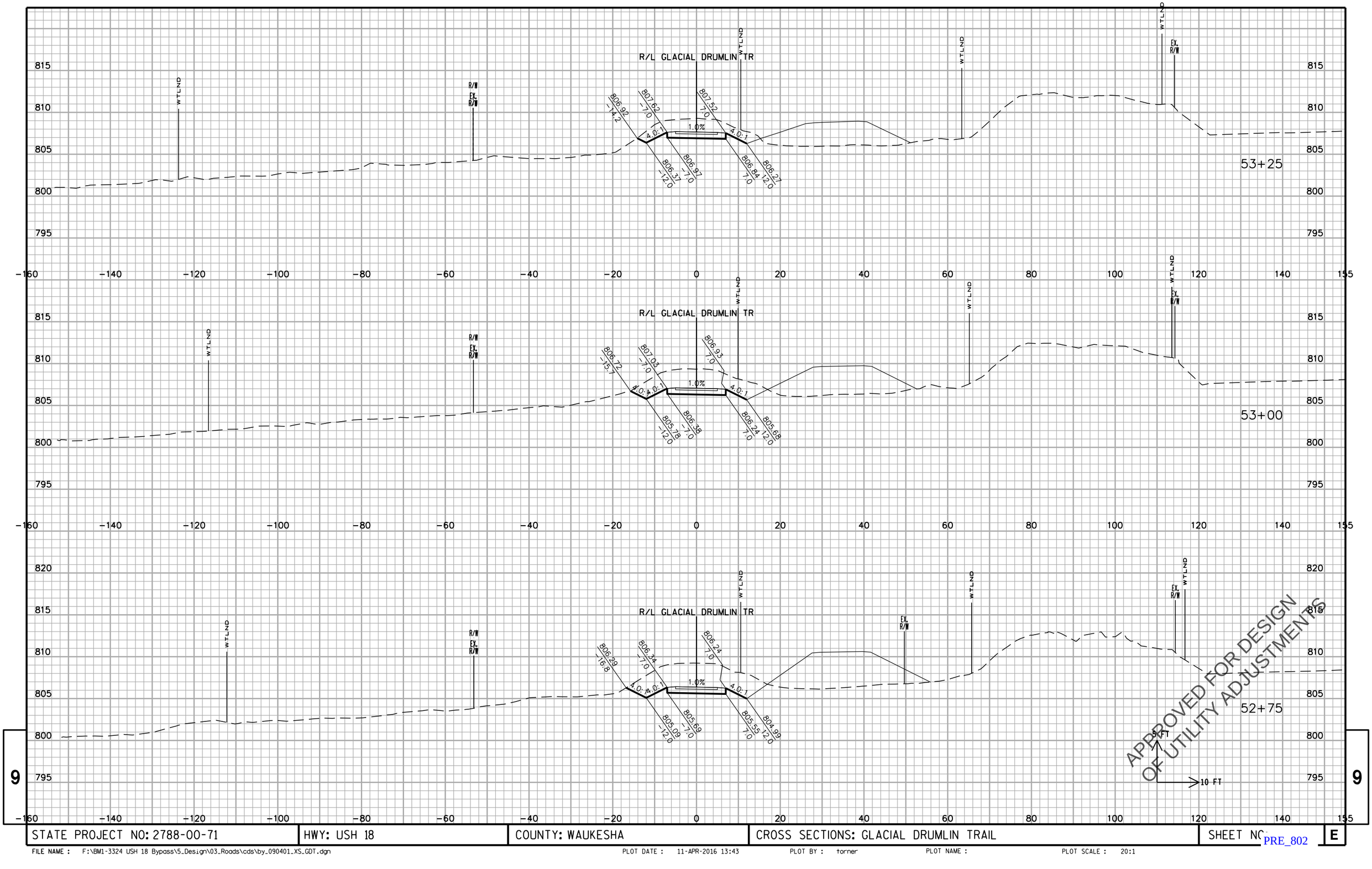


STATE PROJECT NO: 2788-00-71	HWY: USH 18	COUNTY: WAUKESHA	CROSS SECTIONS: GLACIAL DRUMLIN TRAIL	SHEET NO.	E

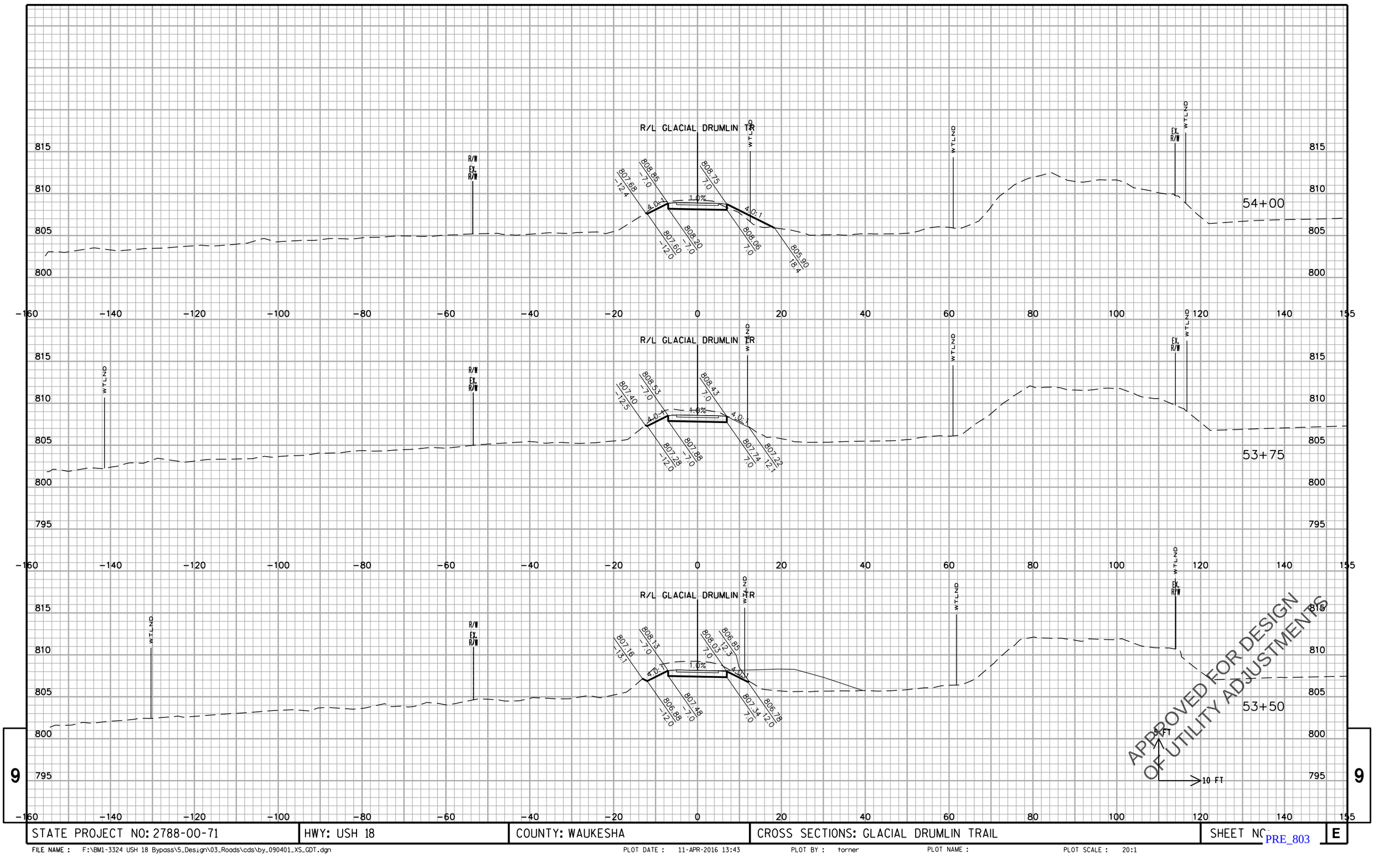
FILE NAME : F:\BM1-3324 USH 18 Bypass\5_Design\03_Roads\cds\by_090401_XS_GDT.dgn PLOT DATE : 11-APR-2016 13:42 PLOT BY : torner PLOT NAME : PRE_801 PLOT SCALE : 20:1



STATE PROJECT NO: 2788-00-71	HWY: USH 18	COUNTY: WAUKESHA	CROSS SECTIONS: GLACIAL DRUMLIN TRAIL	SHEET NO.	E

FILE NAME : F:\BM1-3324 USH 18 Bypass\5_Design\03_Roads\cds\by_090401_XS_GDT.dgn PLOT DATE : 11-APR-2016 13:43 PLOT BY : torner PLOT NAME : PLOT SCALE : 20:1

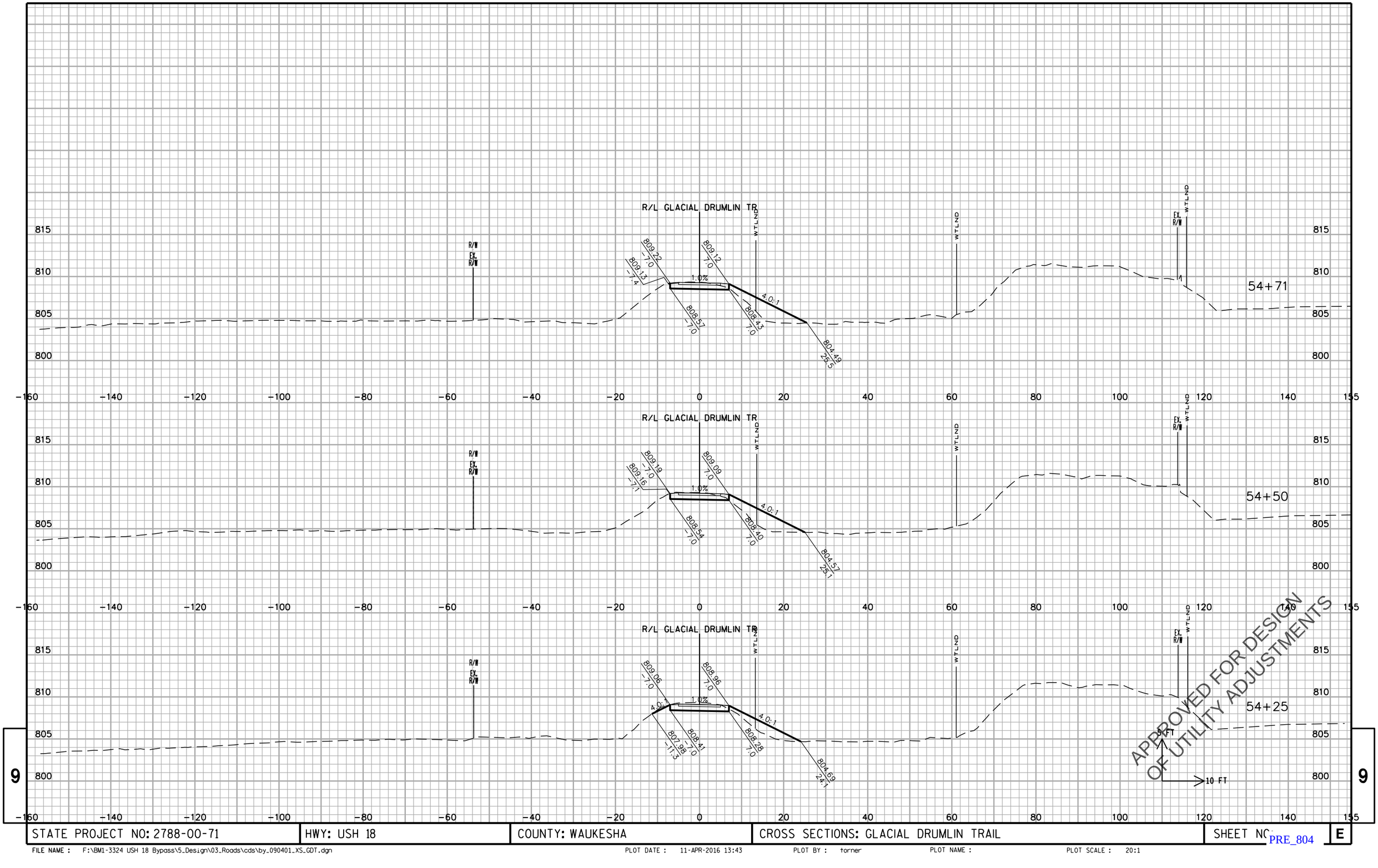
PRE_802



STATE PROJECT NO: 2788-00-71	HWY: USH 18	COUNTY: WAUKESHA	CROSS SECTIONS: GLACIAL DRUMLIN TRAIL	SHEET NO.	E

FILE NAME : F:\BM1-3324 USH 18 Bypass\5_Design\03_Roads\cds\by_090401_XS_GDT.dgn PLOT DATE : 11-APR-2016 13:43 PLOT BY : torner PLOT NAME : PLOT SCALE : 20:1

PRE_803



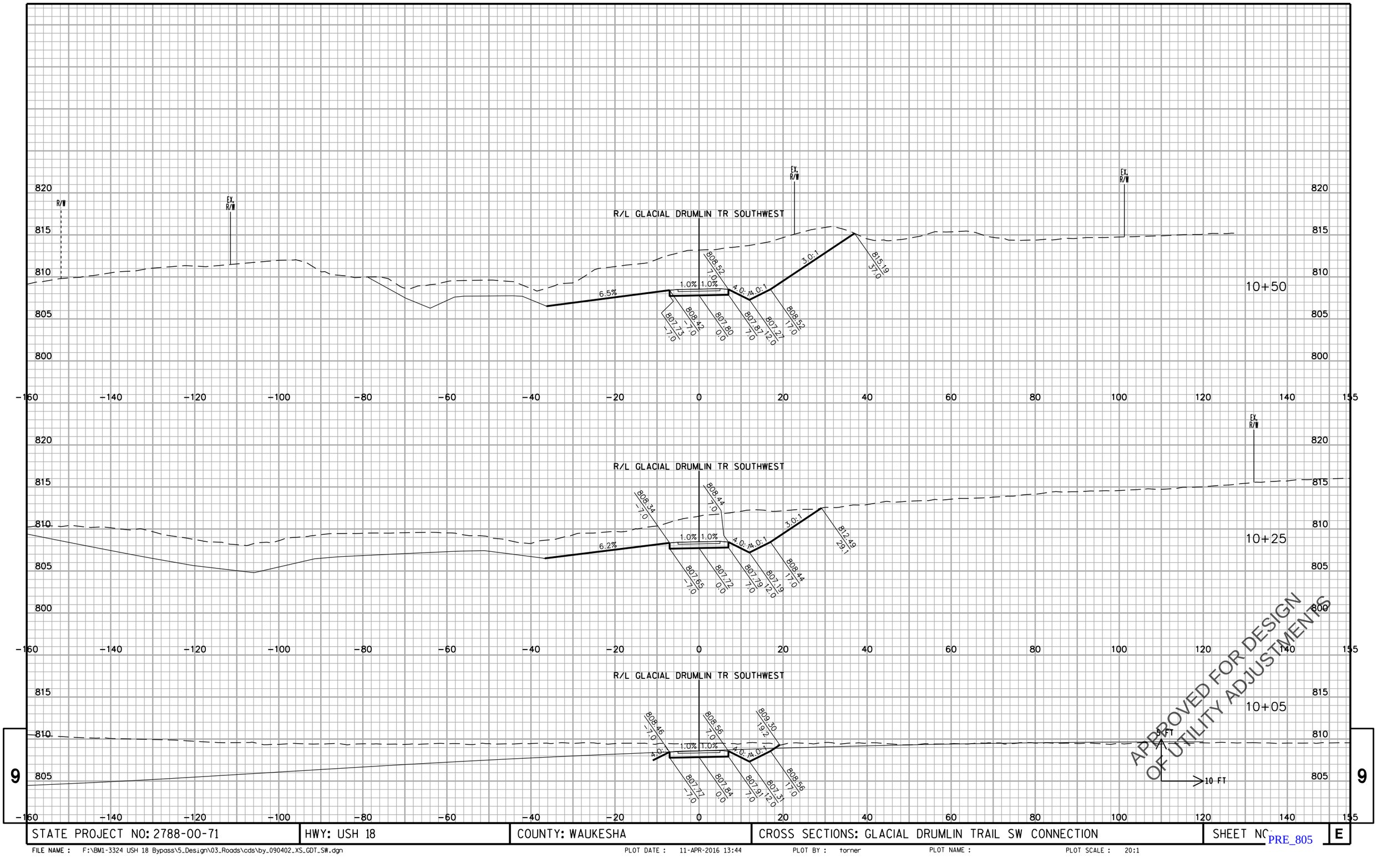
APPROVED FOR DESIGN OF UTILITY ADJUSTMENTS

9

STATE PROJECT NO: 2788-00-71	HWY: USH 18	COUNTY: WAUKESHA	CROSS SECTIONS: GLACIAL DRUMLIN TRAIL	SHEET NO	E

FILE NAME : F:\BM1-3324 USH 18 Bypass\5_Design\03_Roads\cds\by_090401_XS_GDT.dgn PLOT DATE : 11-APR-2016 13:43 PLOT BY : torner PLOT NAME : PLOT SCALE : 20:1

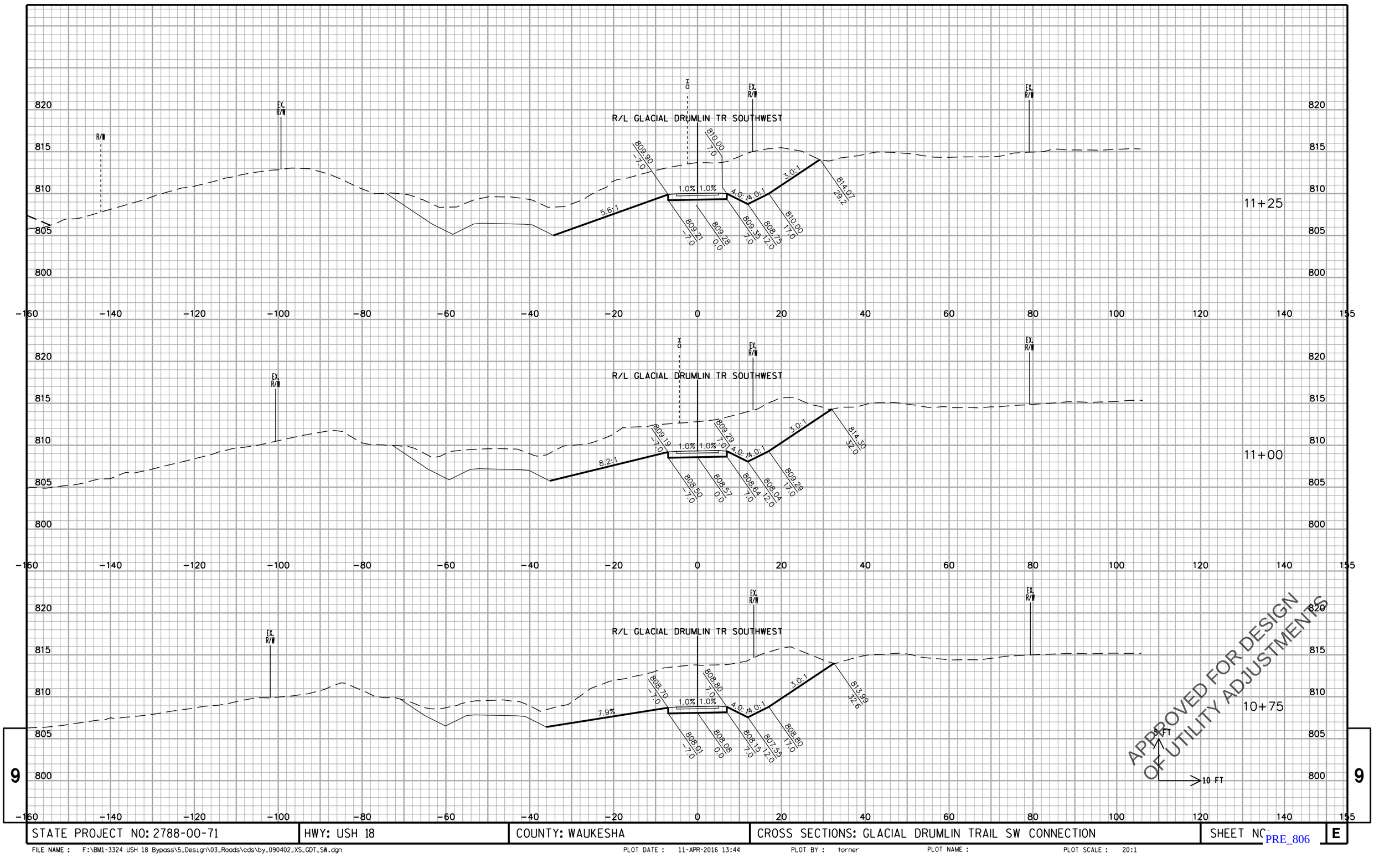
PRE_804



STATE PROJECT NO: 2788-00-71	HWY: USH 18	COUNTY: WAUKESHA	CROSS SECTIONS: GLACIAL DRUMLIN TRAIL SW CONNECTION	SHEET NO	E

FILE NAME : F:\BM1-3324 USH 18 Bypass\5_Design\03_Roads\cds\by_090402_XS_GDT_SW.dgn PLOT DATE : 11-APR-2016 13:44 PLOT BY : torner PLOT NAME : PLOT SCALE : 20:1

PRE_805



APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS

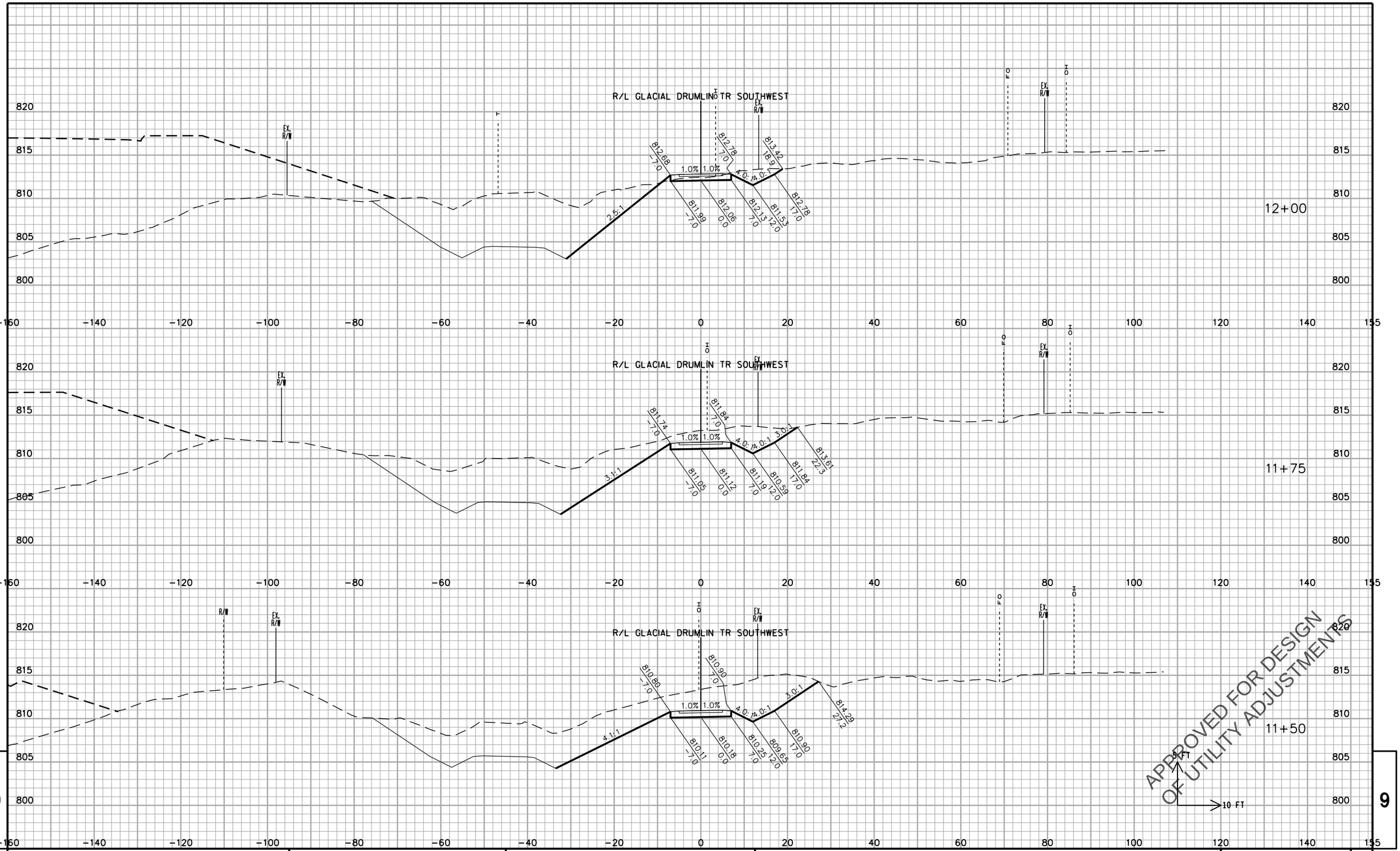
5 FT
10 FT

9

STATE PROJECT NO: 2788-00-71	HWY: USH 18	COUNTY: WAUKESHA	CROSS SECTIONS: GLACIAL DRUMLIN TRAIL SW CONNECTION	SHEET NO.	E

FILE NAME : F:\BM1-3324 USH 18 Bypass\5_Design\03_Roads\cds\by_090402_XS_GDT_SW.dgn PLOT DATE : 11-APR-2016 13:44 PLOT BY : torner PLOT NAME : PLOT SCALE : 20:1

PRE_806



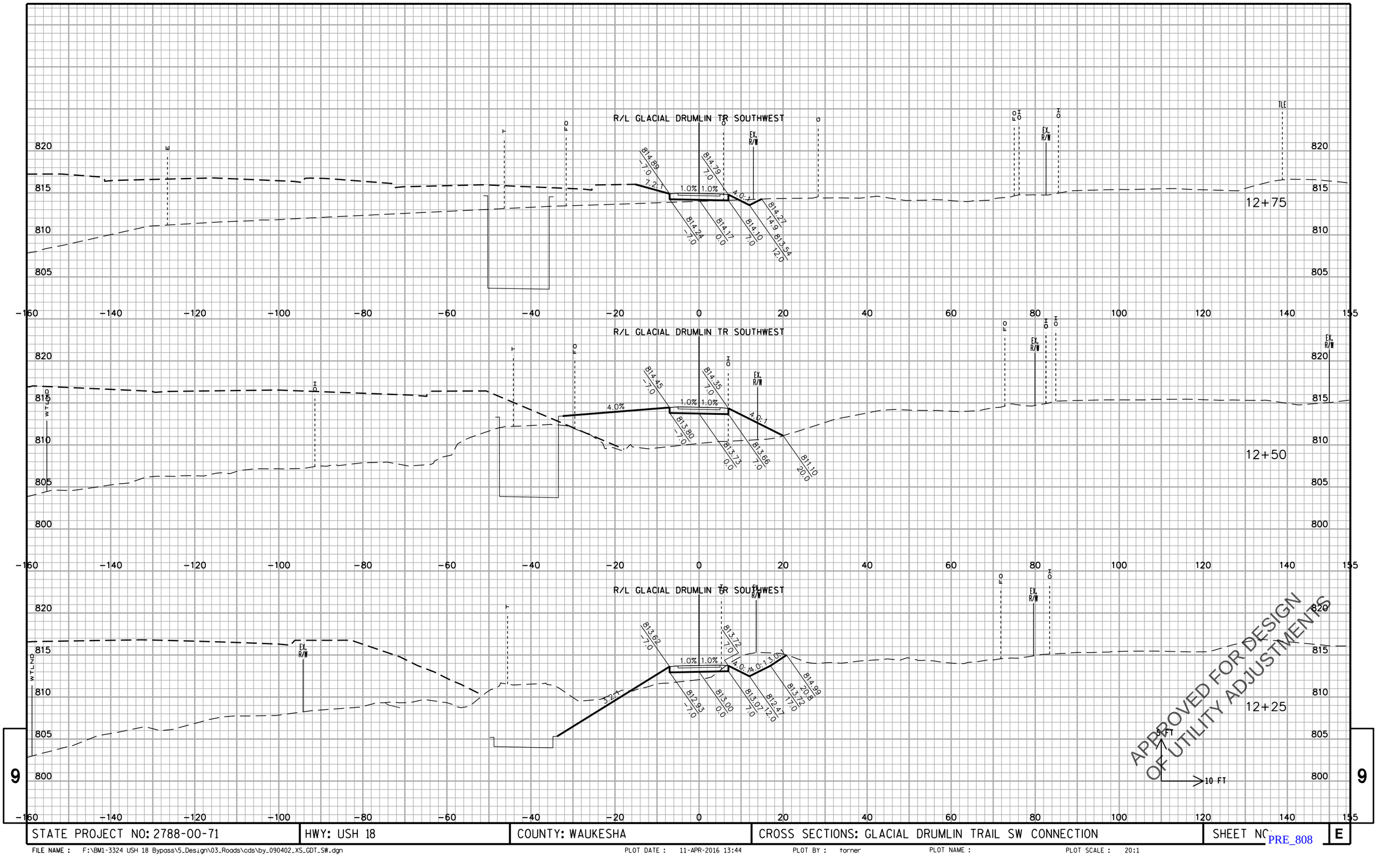
APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS

9

STATE PROJECT NO: 2788-00-71	HWY: USH 18	COUNTY: WAUKESHA	CROSS SECTIONS: GLACIAL DRUMLIN TRAIL SW CONNECTION	SHEET NO.	E

FILE NAME : F:\BM1-3324 USH 18 Bypass\5_Design\03_Roads\cds\by_090402_XS_GDT_SW.dgn PLOT DATE : 11-APR-2016 13:44 PLOT BY : torner PLOT NAME : PLOT SCALE : 20:1

PRE_807



STATE PROJECT NO: 2788-00-71	HWY: USH 18	COUNTY: WAUKESHA	CROSS SECTIONS: GLACIAL DRUMLIN TRAIL SW CONNECTION	SHEET NO.	E

PRE_808

FILE NAME : F:\BM1-3324 USH 18 Bypass\5_Design\03_Roads\cds\by_090402_XS_GDT_SW.dgn PLOT DATE : 11-APR-2016 13:44 PLOT BY : torner PLOT NAME : PLOT SCALE : 20:1

R/L GLACIAL DRUMLIN TR SOUTHWEST

13+50

814.95 -7.0 | 814.95 -7.0 | 1.7% | 0.0% | 0.0% | 4.0% | 6:1 | 814.28 -7.0 | 814.28 0.0 | 814.28 7.0 | 813.70 12.0 | 814.85 16.6

R/L GLACIAL DRUMLIN TR SOUTHWEST

13+25

814.96 -7.0 | 814.96 -7.0 | 4.1% | 0.0% | 0.0% | 4.0% | 6:1 | 814.29 -7.0 | 814.29 0.0 | 814.29 7.0 | 813.71 12.0 | 814.76 16.2

R/L GLACIAL DRUMLIN TR SOUTHWEST

13+00

814.98 -7.0 | 814.98 -7.0 | 0.0% | 0.0% | 4.0% | 6:1 | 814.31 -7.0 | 814.31 0.0 | 814.31 7.0 | 813.73 12.0 | 814.61 15.5

EX. R/W

5 FT

10 FT

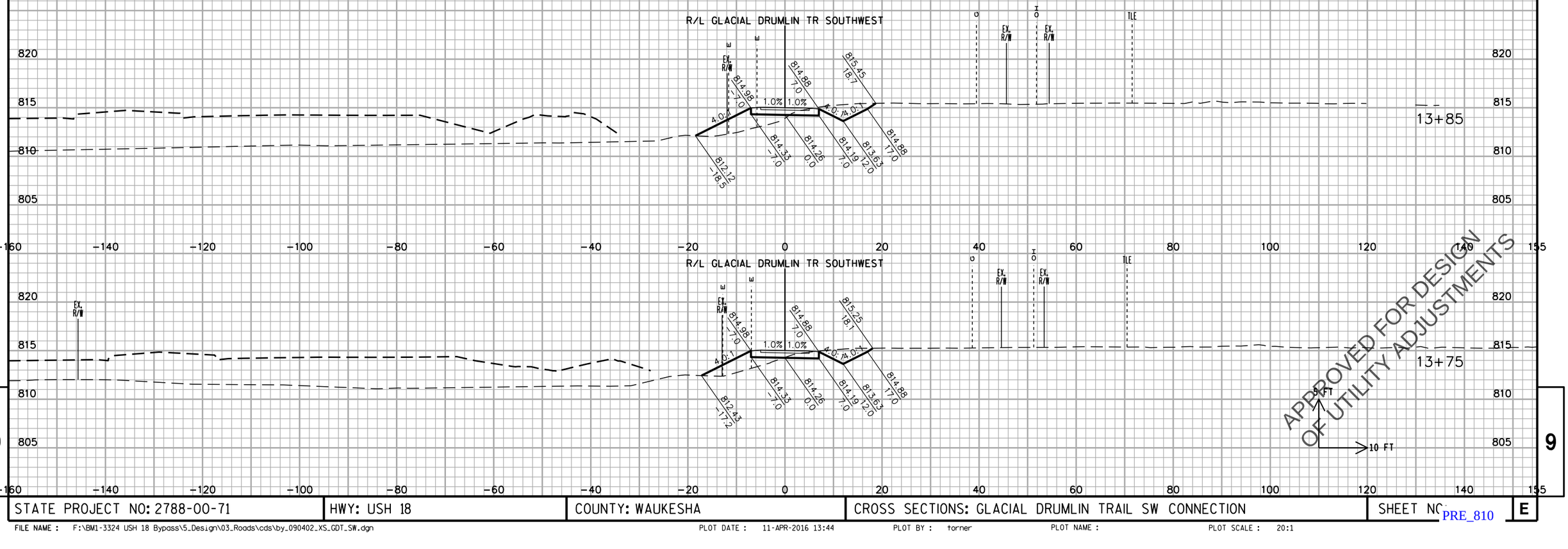
APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS

9

STATE PROJECT NO: 2788-00-71	HWY: USH 18	COUNTY: WAUKESHA	CROSS SECTIONS: GLACIAL DRUMLIN TRAIL SW CONNECTION	SHEET NO.	E

FILE NAME : F:\BM1-3324 USH 18 Bypass\5_Design\03_Roads\cds\by_090402_XS_GDT_SW.dgn PLOT DATE : 11-APR-2016 13:44 PLOT BY : torner PLOT NAME : PLOT SCALE : 20:1

PRE_809



APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS

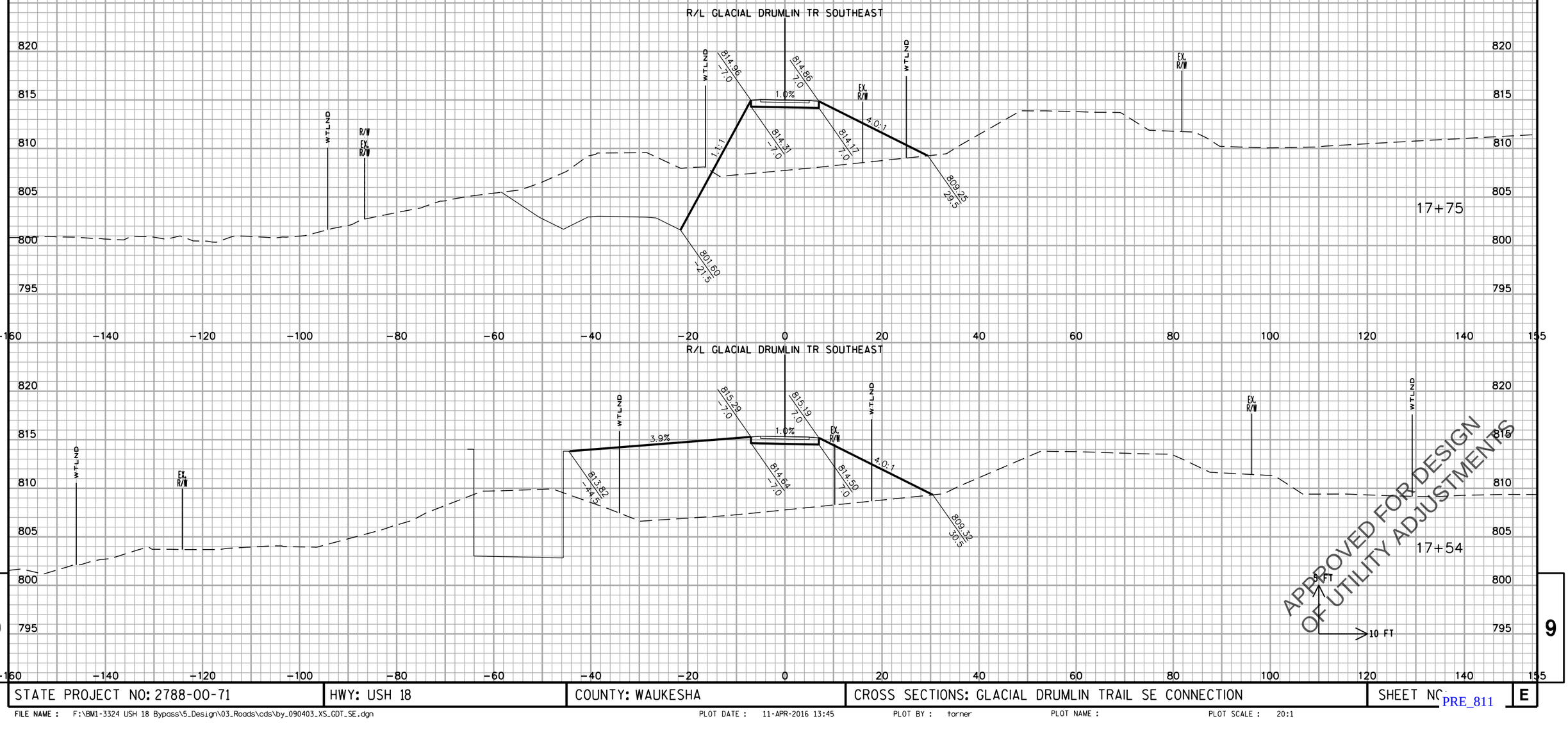
9

9

STATE PROJECT NO: 2788-00-71	HWY: USH 18	COUNTY: WAUKESHA	CROSS SECTIONS: GLACIAL DRUMLIN TRAIL SW CONNECTION	SHEET NO.	E

FILE NAME : F:\BM1-3324 USH 18 Bypass\5_Design\03_Roads\cds\by_090402_XS_GDT_SW.dgn PLOT DATE : 11-APR-2016 13:44 PLOT BY : torner PLOT NAME : PLOT SCALE : 20:1

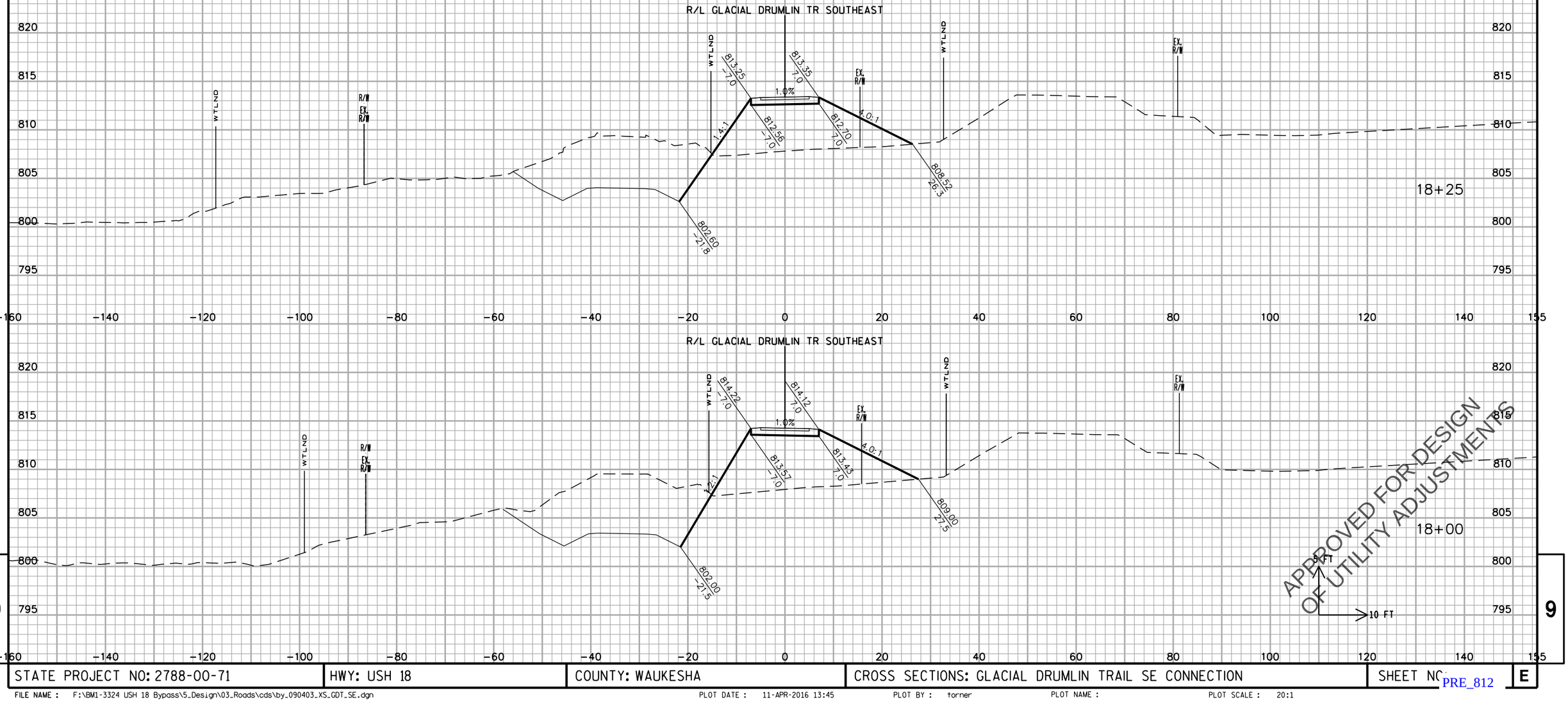
PRE_810

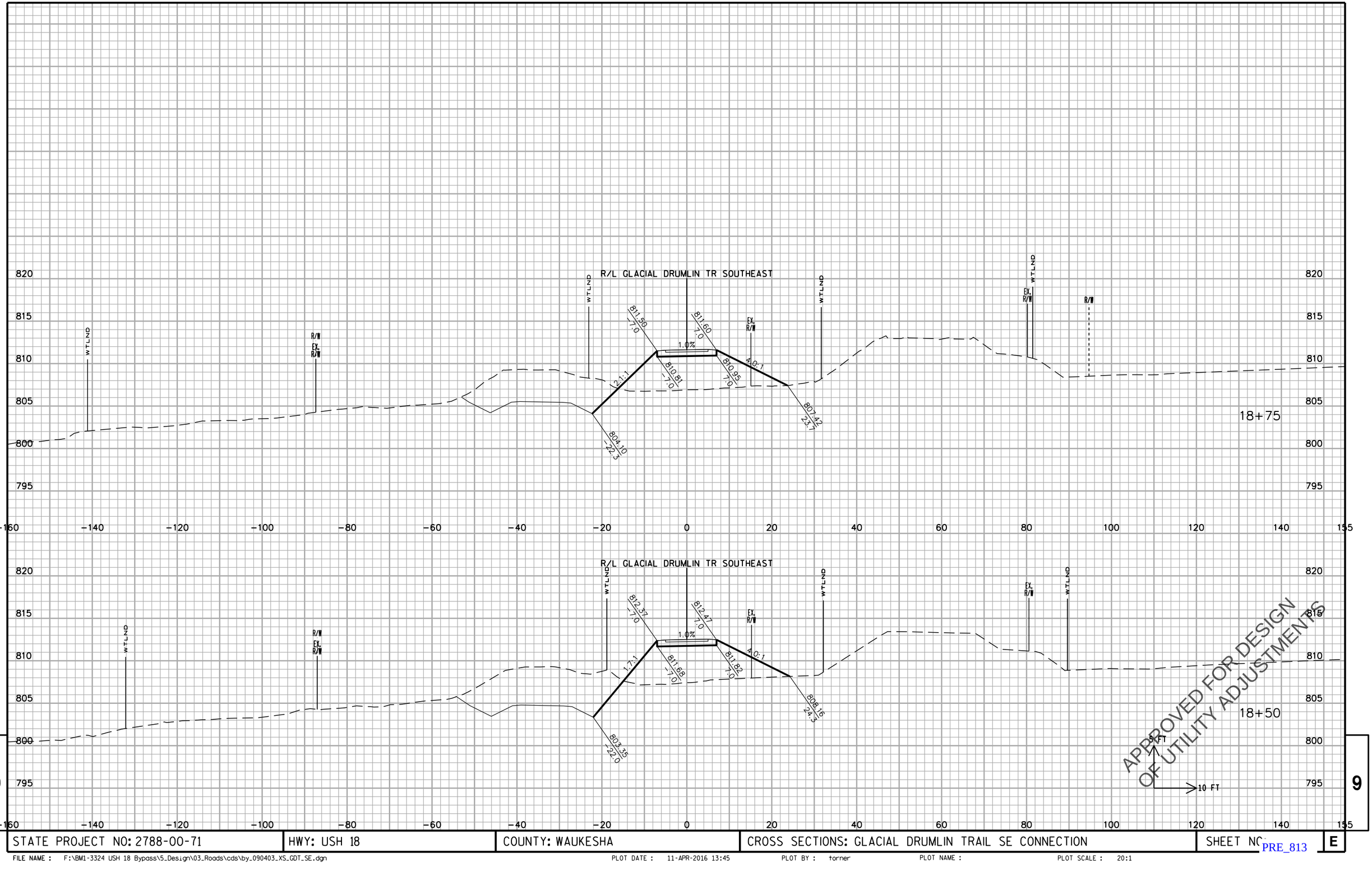


STATE PROJECT NO: 2788-00-71	HWY: USH 18	COUNTY: WAUKESHA	CROSS SECTIONS: GLACIAL DRUMLIN TRAIL SE CONNECTION	SHEET NO	E

FILE NAME : F:\BM1-3324 USH 18 Bypass\5_Design\03_Roads\cds\by_090403_XS_GDT_SE.dgn PLOT DATE : 11-APR-2016 13:45 PLOT BY : torner PLOT NAME : PLOT SCALE : 20:1

PRE_811

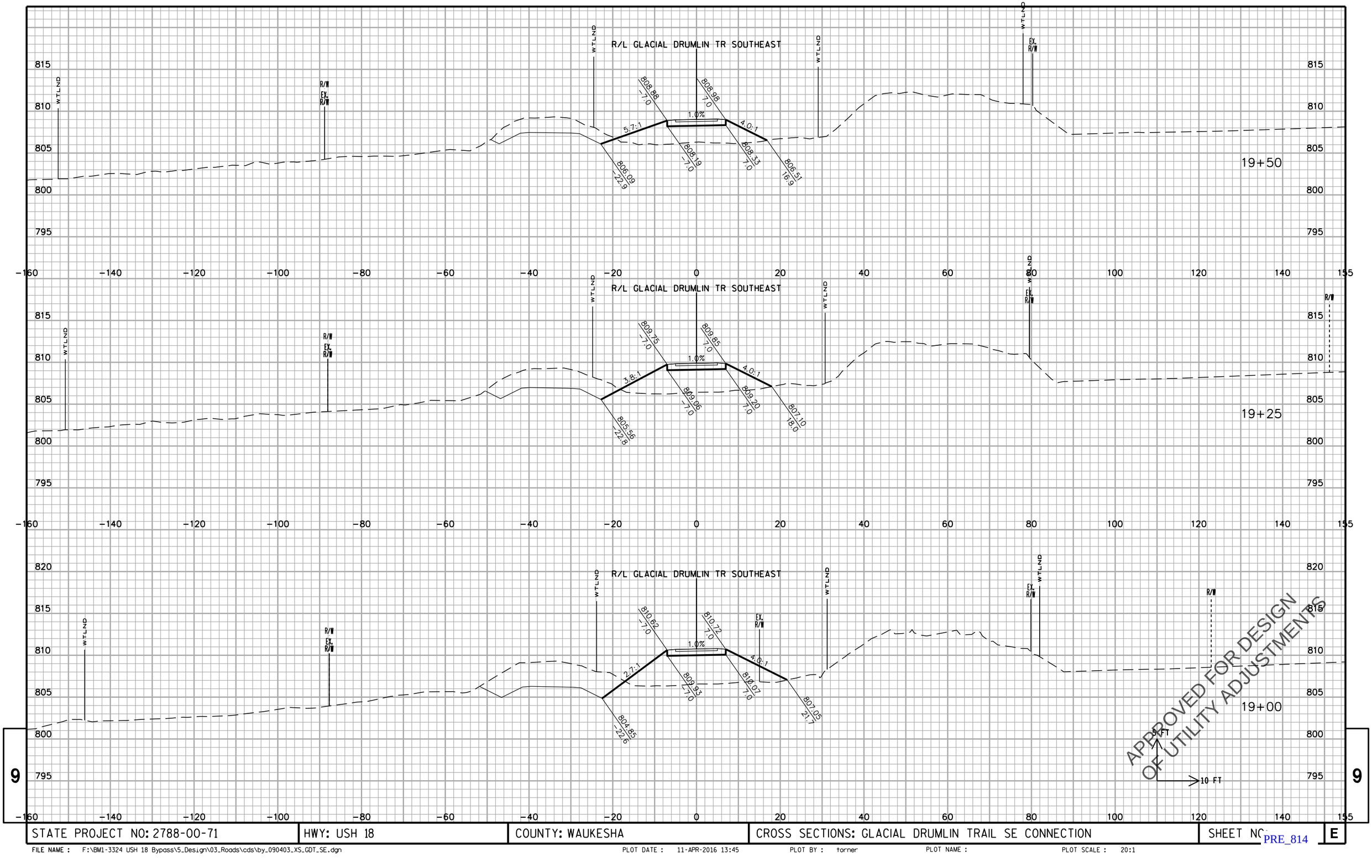

R/L GLACIAL DRUMLIN TR SOUTHEAST
WTLND
R/W
EX.
R/W
813.25
-7.0
813.35
-7.0
1.0%
EX.
R/W
4.0:1
1.4:1
812.56
-7.0
812.70
-7.0
808.52
-26.3
802.60
-21.8
18+25
820
815
810
805
800
795
-160
-140
-120
-100
-80
-60
-40
-20
0
20
40
60
80
100
120
140
155
R/L GLACIAL DRUMLIN TR SOUTHEAST
814.22
-7.0
814.12
-7.0
1.0%
1.2:1
813.57
-7.0
813.45
-7.0
809.00
-27.5
802.00
-27.5
18+00
5 FT
10 FT
APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS
9
STATE PROJECT NO: 2788-00-71
HWY: USH 18
COUNTY: WAUKESHA
CROSS SECTIONS: GLACIAL DRUMLIN TRAIL SE CONNECTION
SHEET NO
E
FILE NAME : F:\BM1-3324 USH 18 Bypass\5_Design\03_Roads\cds\by_090403_XS_GDT_SE.dgn
PLOT DATE : 11-APR-2016 13:45
PLOT BY : torner
PLOT NAME :
PLOT SCALE : 20:1
PRE_812



STATE PROJECT NO: 2788-00-71	HWY: USH 18	COUNTY: WAUKESHA	CROSS SECTIONS: GLACIAL DRUMLIN TRAIL SE CONNECTION	SHEET NO.	E

FILE NAME : F:\BM1-3324 USH 18 Bypass\5_Design\03_Roads\cds\by_090403_XS_GDT_SE.dgn PLOT DATE : 11-APR-2016 13:45 PLOT BY : torner PLOT NAME : PLOT SCALE : 20:1

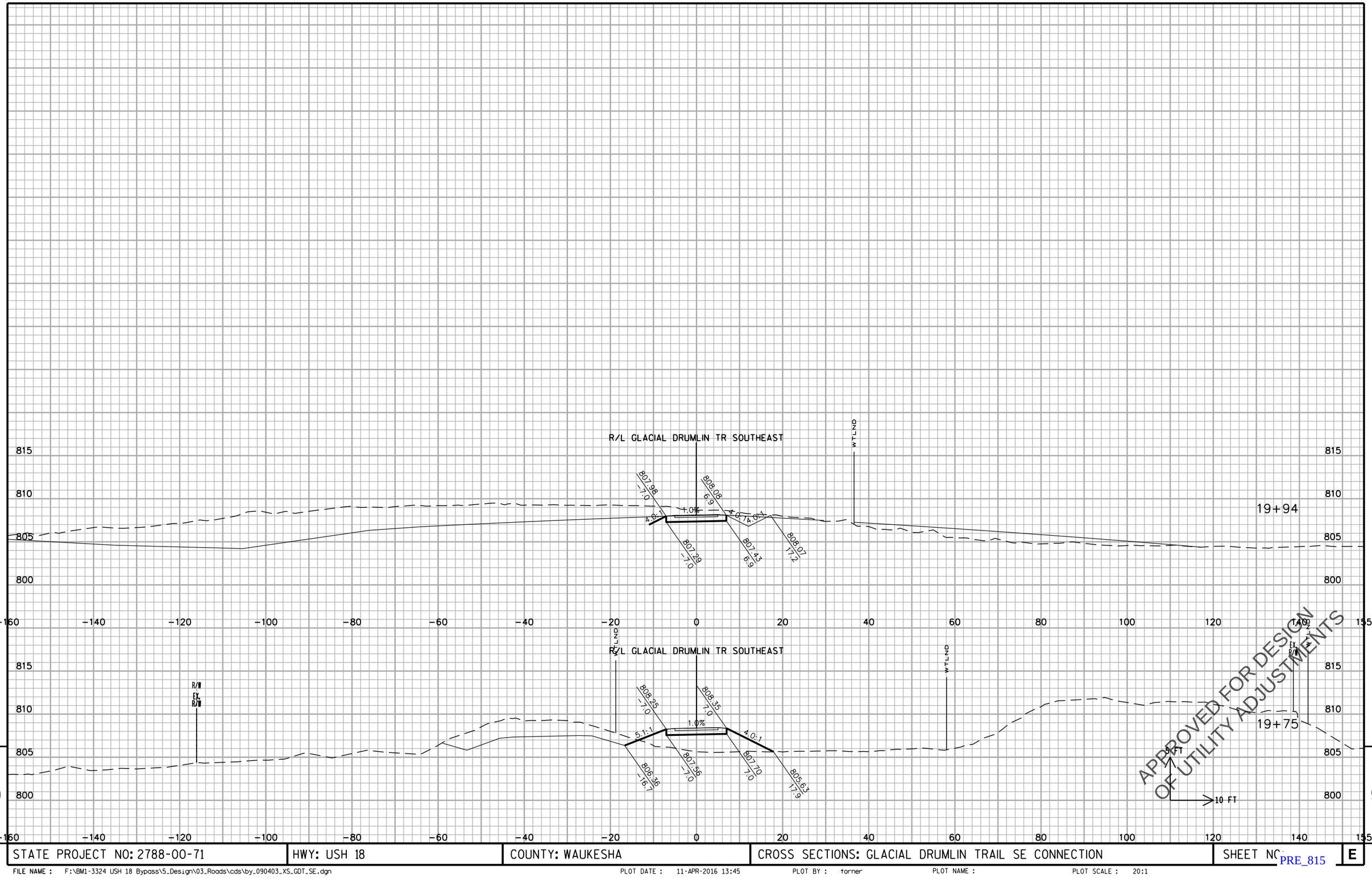
PRE_813



STATE PROJECT NO: 2788-00-71	HWY: USH 18	COUNTY: WAUKESHA	CROSS SECTIONS: GLACIAL DRUMLIN TRAIL SE CONNECTION	SHEET NO.	E

FILE NAME : F:\BM1-3324 USH 18 Bypass\5_Design\03_Roads\cds\by_090403_XS_GDT_SE.dgn PLOT DATE : 11-APR-2016 13:45 PLOT BY : torner PLOT NAME : PLOT SCALE : 20:1

PRE_814



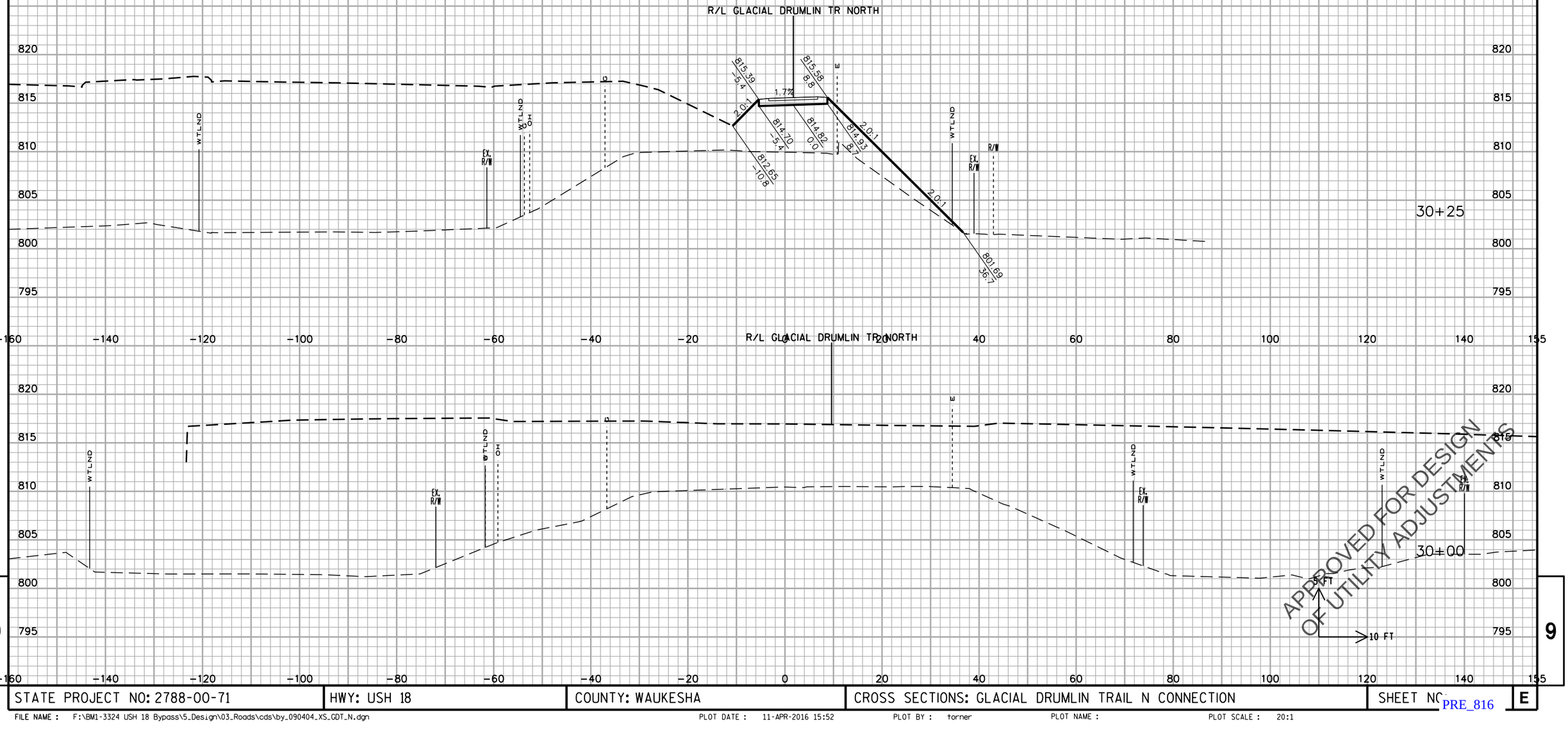
APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS

9

STATE PROJECT NO: 2788-00-71	HWY: USH 18	COUNTY: WAUKESHA	CROSS SECTIONS: GLACIAL DRUMLIN TRAIL SE CONNECTION	SHEET NO.	E

FILE NAME : F:\BM1-3324 USH 18 Bypass\5_Design\03_Roads\cds\by_090403_XS_GDT_SE.dgn PLOT DATE : 11-APR-2016 13:45 PLOT BY : torner PLOT NAME : PLOT SCALE : 20:1

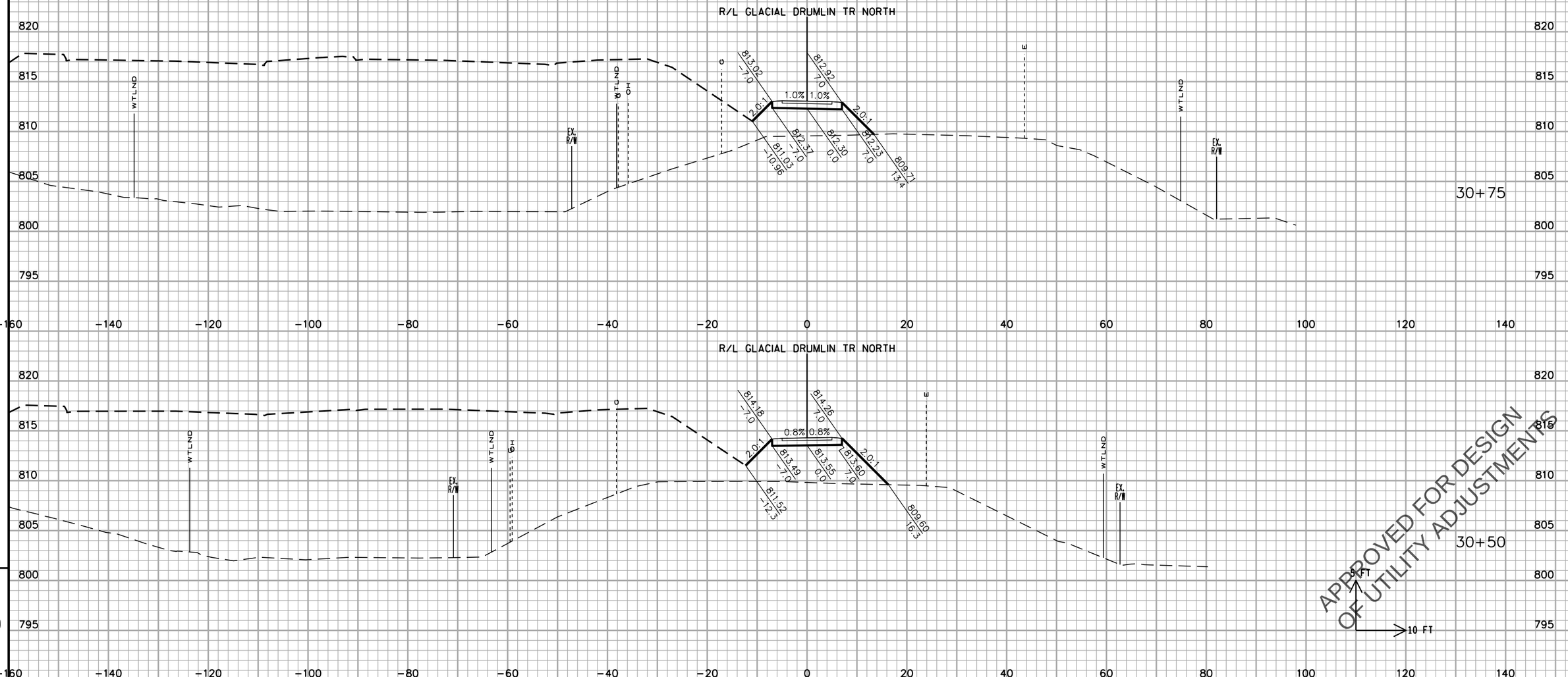
PRE_815



STATE PROJECT NO: 2788-00-71	HWY: USH 18	COUNTY: WAUKESHA	CROSS SECTIONS: GLACIAL DRUMLIN TRAIL N CONNECTION	SHEET NO. E

PRE_816

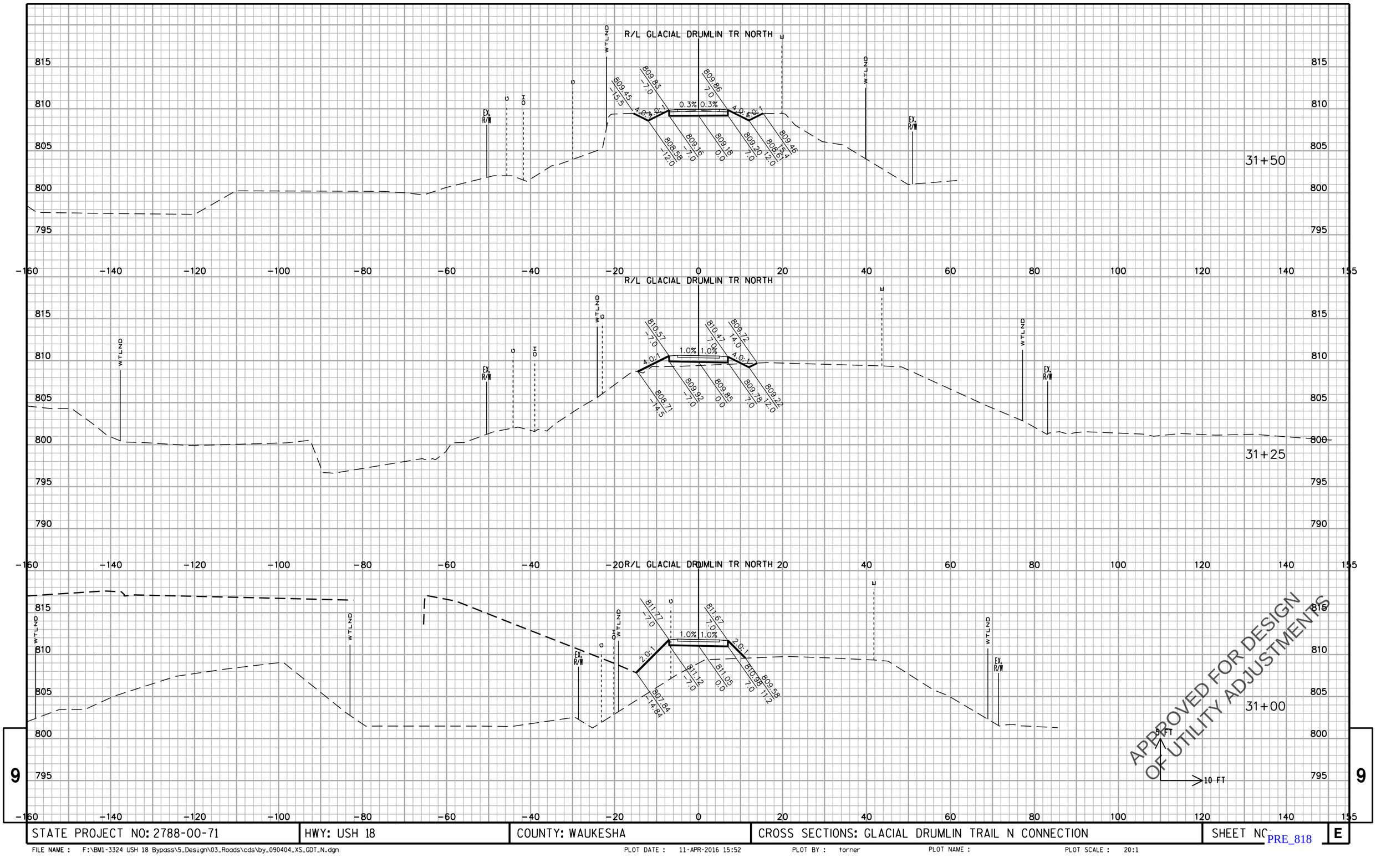
FILE NAME : F:\BM1-3324 USH 18 Bypass\5_Design\03_Roads\cds\by_090404_XS_GDT_N.dgn PLOT DATE : 11-APR-2016 15:52 PLOT BY : torner PLOT NAME : PLOT SCALE : 20:1



STATE PROJECT NO: 2788-00-71	HWY: USH 18	COUNTY: WAUKESHA	CROSS SECTIONS: GLACIAL DRUMLIN TRAIL N CONNECTION	SHEET NO.	E

PRE_817

FILE NAME : F:\BM1-3324 USH 18 Bypass\5_Design\03_Roads\cds\by_090404_XS_GDT_N.dgn PLOT DATE : 11-APR-2016 15:52 PLOT BY : torner PLOT NAME : PLOT SCALE : 20:1



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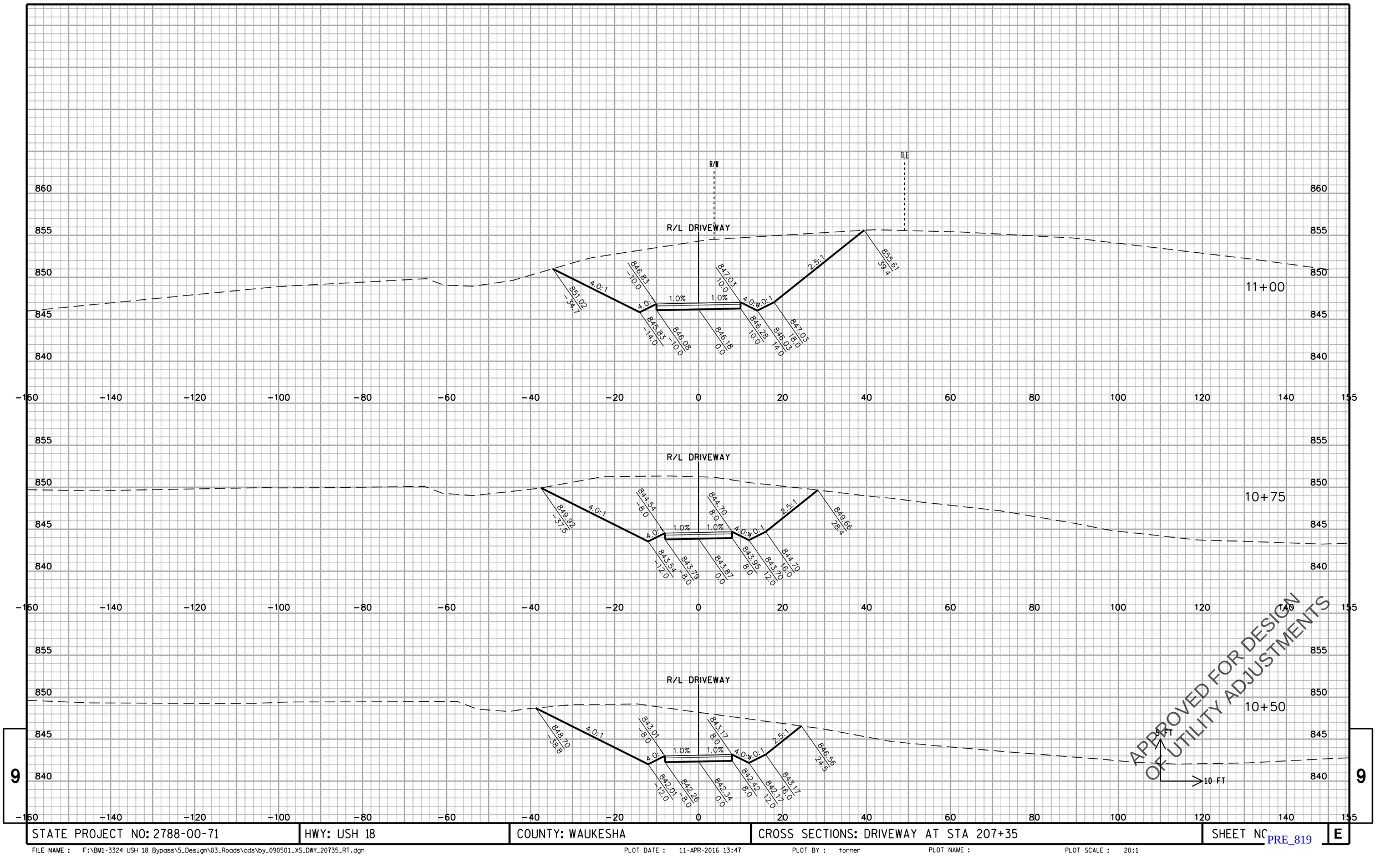
STATE PROJECT NO: 2788-00-71	HWY: USH 18	COUNTY: WAUKESHA	CROSS SECTIONS: GLACIAL DRUMLIN TRAIL N CONNECTION	SHEET NO	E

FILE NAME : F:\BM1-3324 USH 18 Bypass\5_Design\03_Roads\cds\by_090404_XS_GDT_N.dgn PLOT DATE : 11-APR-2016 15:52 PLOT BY : torner PLOT NAME : PLOT SCALE : 20:1

PRE_818



STATE PROJECT NO: 2788-00-71	HWY: USH 18	COUNTY: WAUKESHA	CROSS SECTIONS: DRIVEWAY AT STA 207+35	SHEET NO	E

FILE NAME : F:\BM1-3324 USH 18 Bypass\5_Design\03_Roads\cds\by_090501_XS_DWY_20735_RT.dgn PLOT DATE : 11-APR-2016 13:47 PLOT BY : torner PLOT NAME : PLOT SCALE : 20:1

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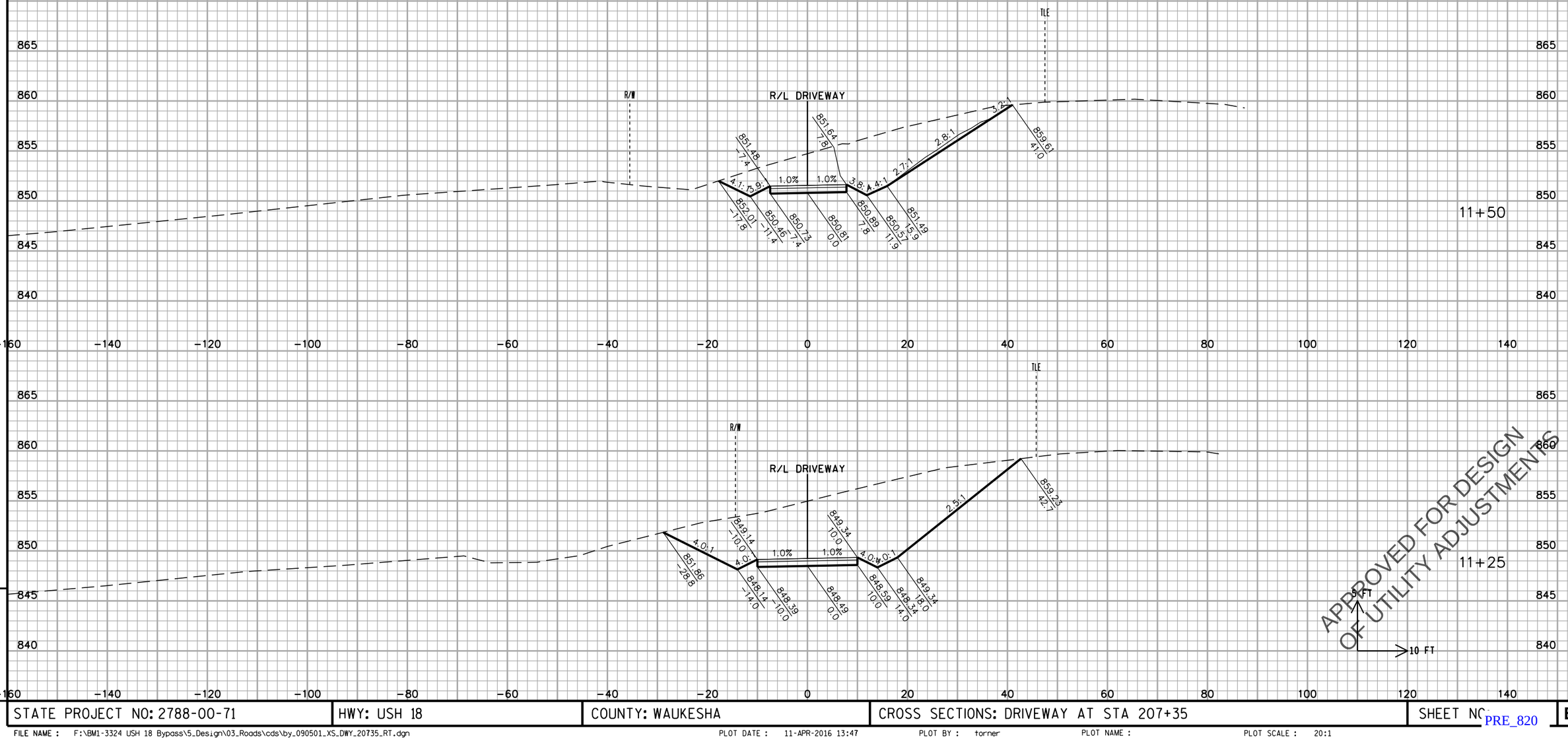
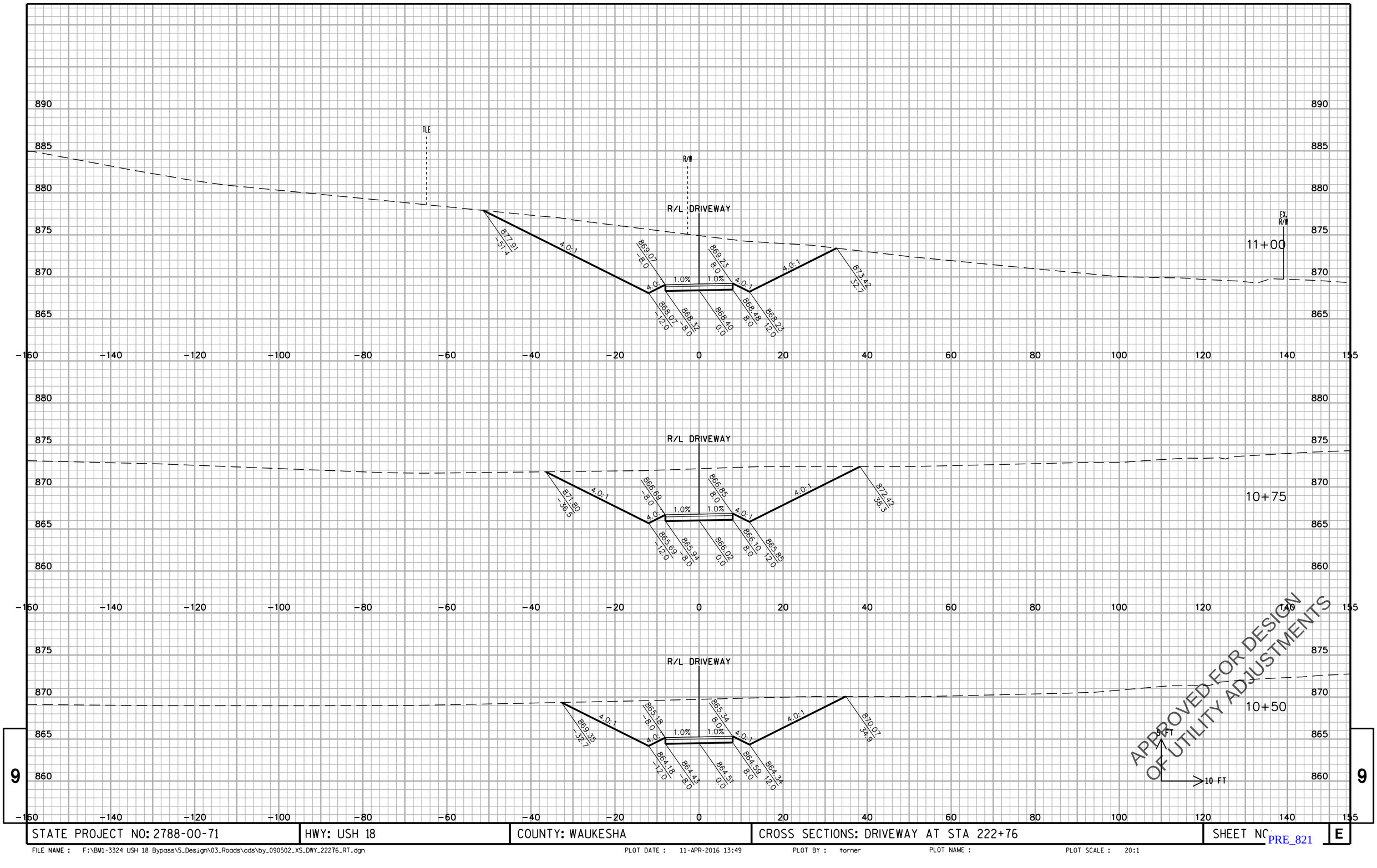


STATE PROJECT NO: 2788-00-71	HWY: USH 18	COUNTY: WAUKESHA	CROSS SECTIONS: DRIVEWAY AT STA 207+35	SHEET NO.	E

FILE NAME : F:\BM1-3324 USH 18 Bypass\5_Design\03_Roads\cds\by_090501_XS_DWY_20735_RT.dgn PLOT DATE : 11-APR-2016 13:47 PLOT BY : torner PLOT NAME : PLOT SCALE : 20:1

PRE_820



STATE PROJECT NO: 2788-00-71	HWY: USH 18	COUNTY: WAUKESHA	CROSS SECTIONS: DRIVEWAY AT STA 222+76	SHEET NO	E

FILE NAME : F:\BM1-3324 USH 18 Bypass\5_Design\03_Roads\cds\by_090502_XS_DWY_22276_RT.dgn PLOT DATE : 11-APR-2016 13:49 PLOT BY : torner PLOT NAME : PLOT SCALE : 20:1

PRE_821

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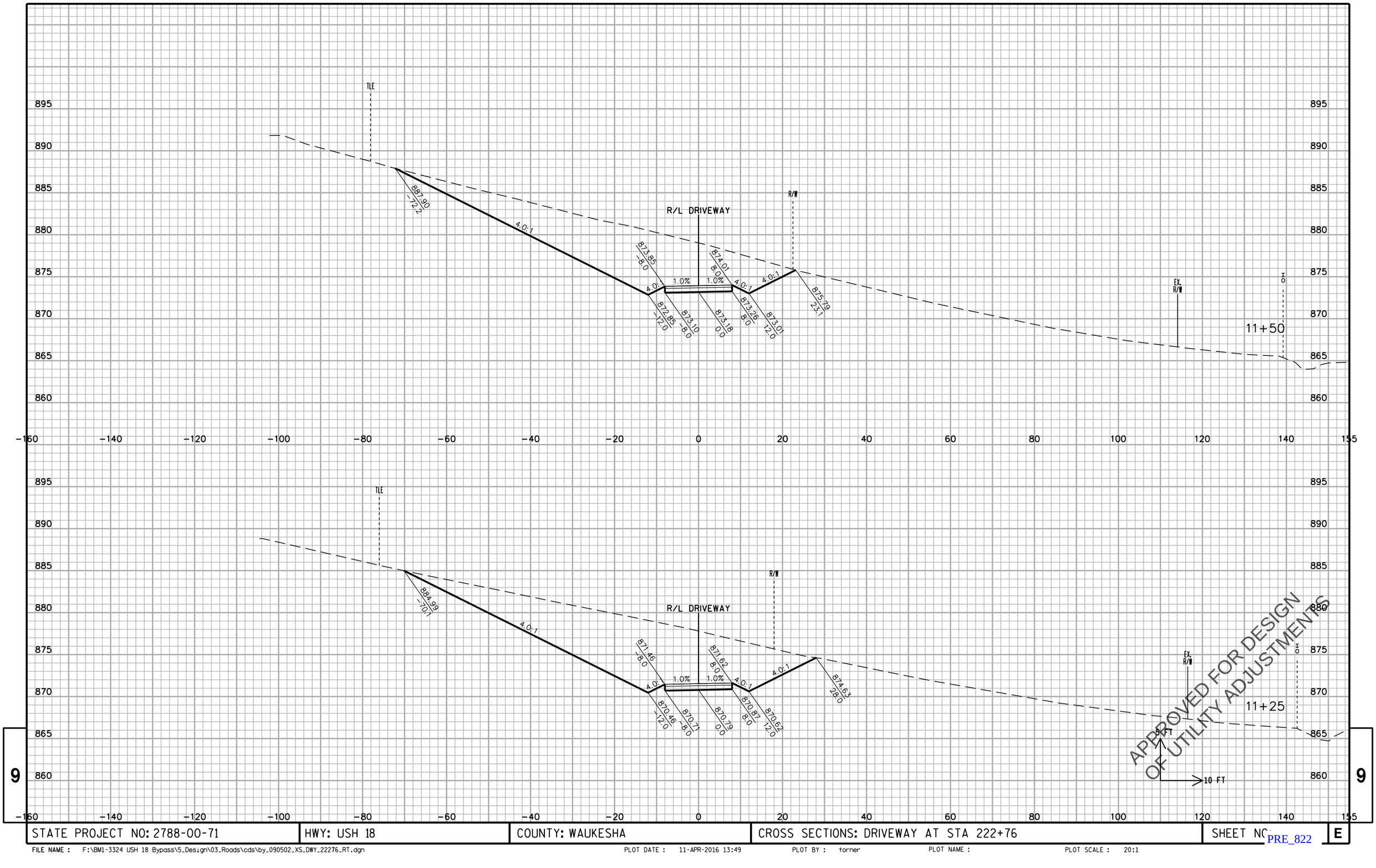

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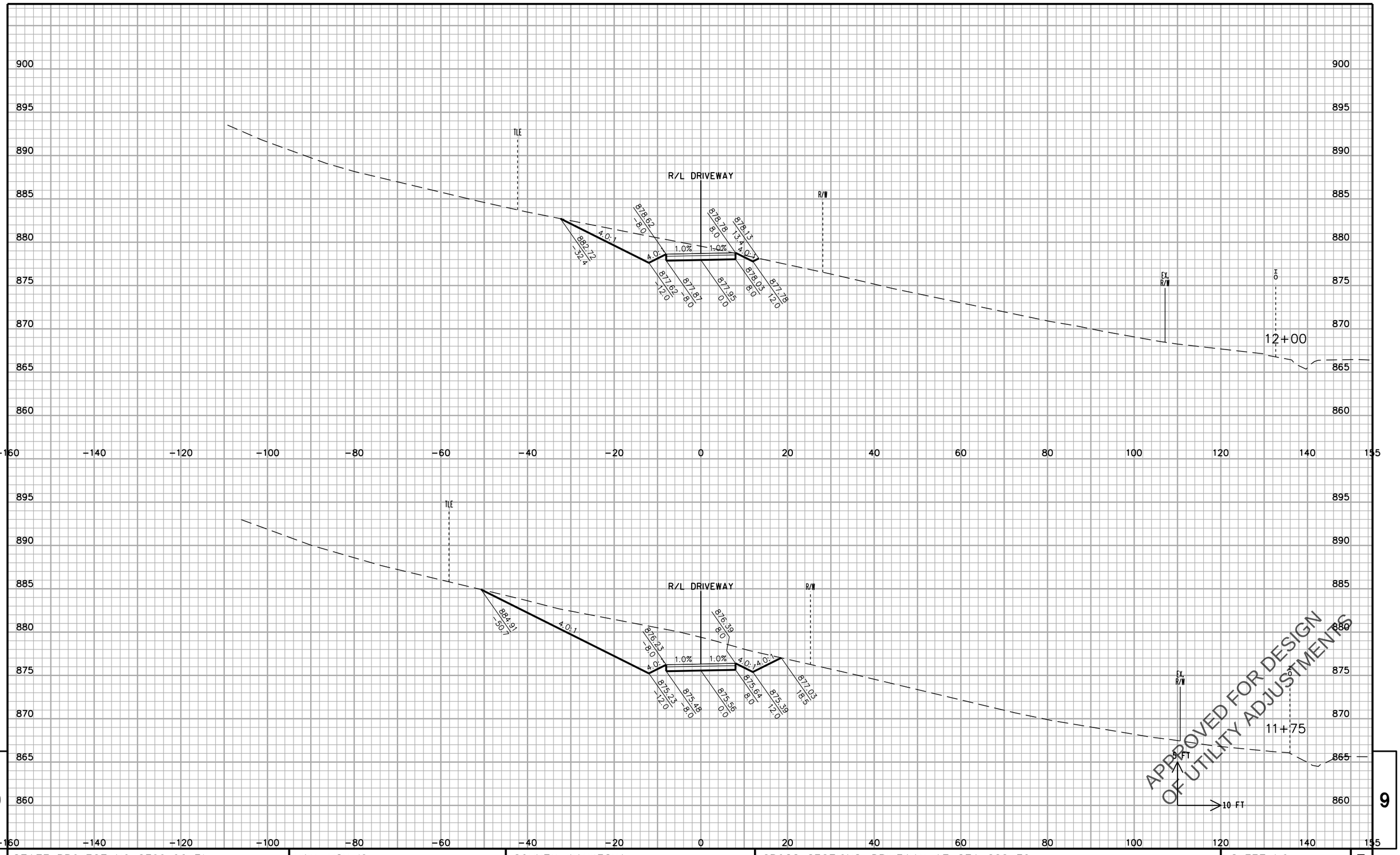
STATE PROJECT NO: 2788-00-71	HWY: USH 18	COUNTY: WAUKESHA	CROSS SECTIONS: DRIVEWAY AT STA 222+76	SHEET NO	E

FILE NAME : F:\BM1-3324 USH 18 Bypass\5_Design\03_Roads\cds\by_090502_XS_DWY_22276_RT.dgn PLOT DATE : 11-APR-2016 13:49 PLOT BY : torner PLOT NAME : PLOT SCALE : 20:1

PRE_822



STATE PROJECT NO: 2788-00-71	HWY: USH 18	COUNTY: WAUKESHA	CROSS SECTIONS: DRIVEWAY AT STA 222+76	SHEET NO	E

FILE NAME : F:\BM1-3324 USH 18 Bypass\5_Design\03_Roads\cds\by_090502_XS_DWY_22276_RT.dgn PLOT DATE : 11-APR-2016 13:49 PLOT BY : torner PLOT NAME : PLOT SCALE : 20:1

PRE_823

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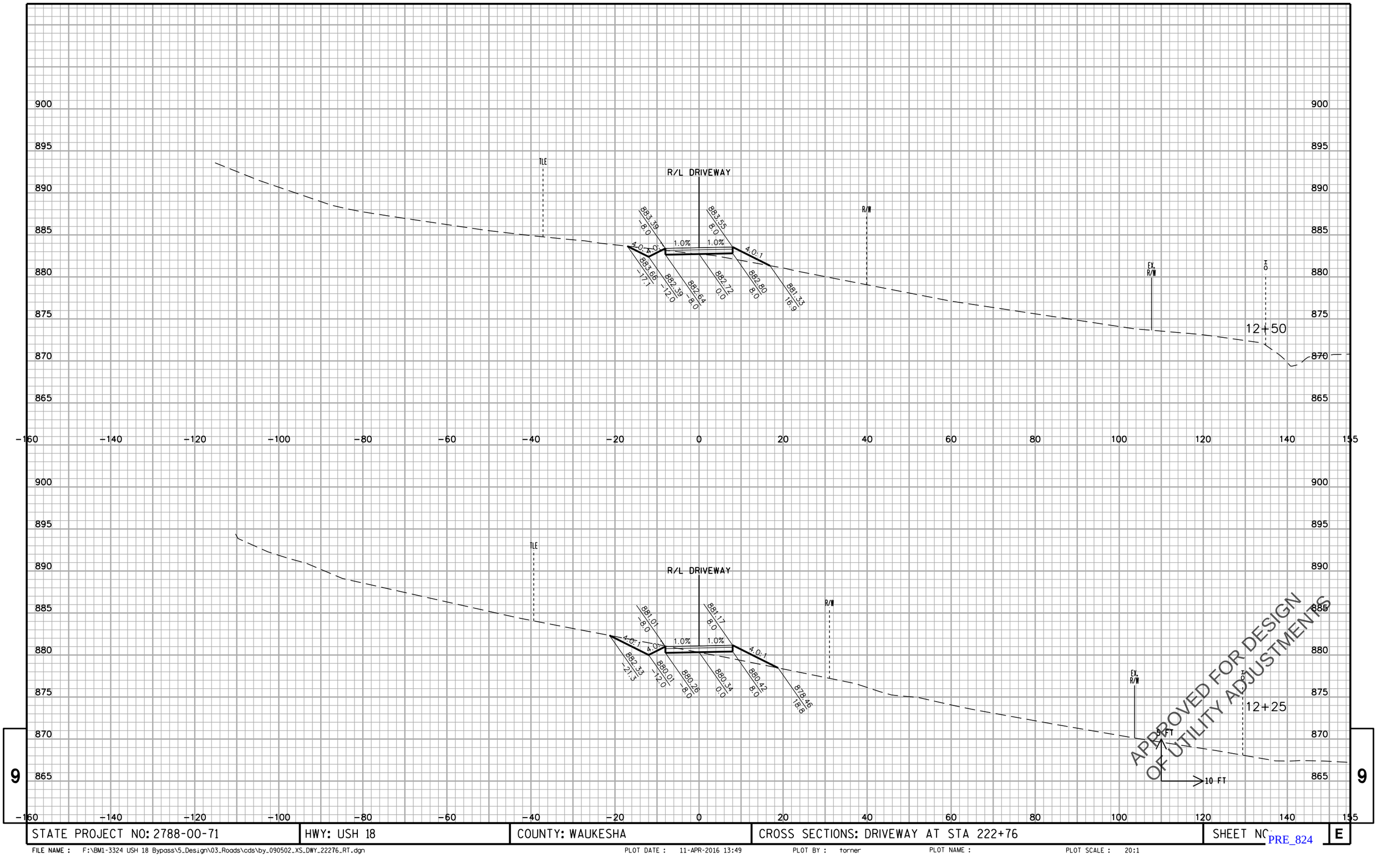
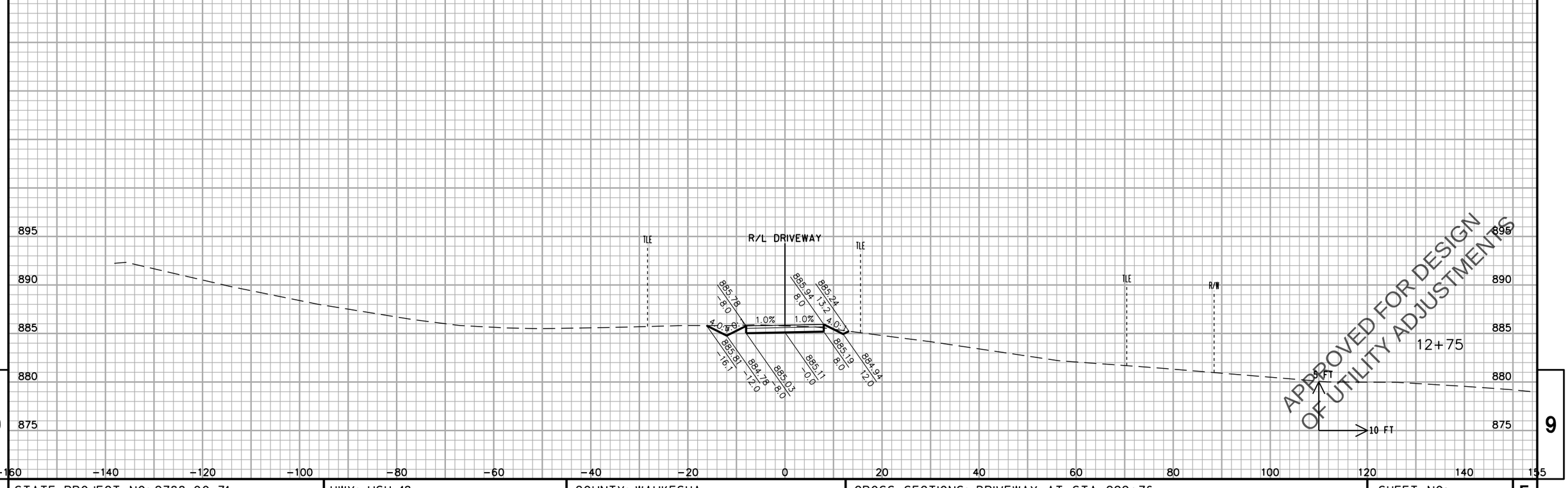


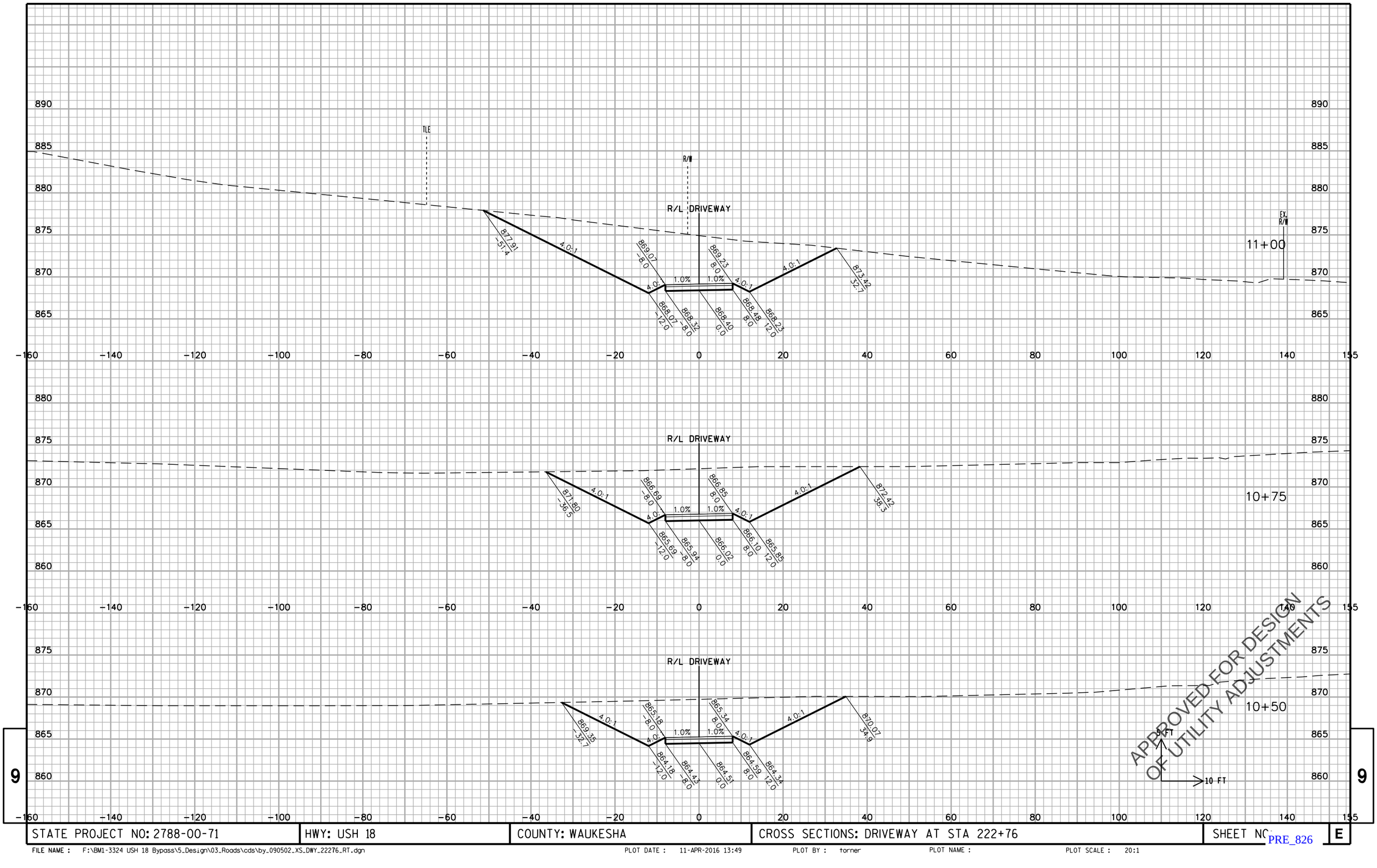
STATE PROJECT NO: 2788-00-71	HWY: USH 18	COUNTY: WAUKESHA	CROSS SECTIONS: DRIVEWAY AT STA 222+76	SHEET NO	E

FILE NAME : F:\BM1-3324 USH 18 Bypass\5_Design\03_Roads\cds\by_090502_XS_DWY_22276_RT.dgn PLOT DATE : 11-APR-2016 13:49 PLOT BY : torner PLOT NAME : PLOT SCALE : 20:1



STATE PROJECT NO: 2788-00-71	HWY: USH 18	COUNTY: WAUKESHA	CROSS SECTIONS: DRIVEWAY AT STA 222+76	SHEET NO	E

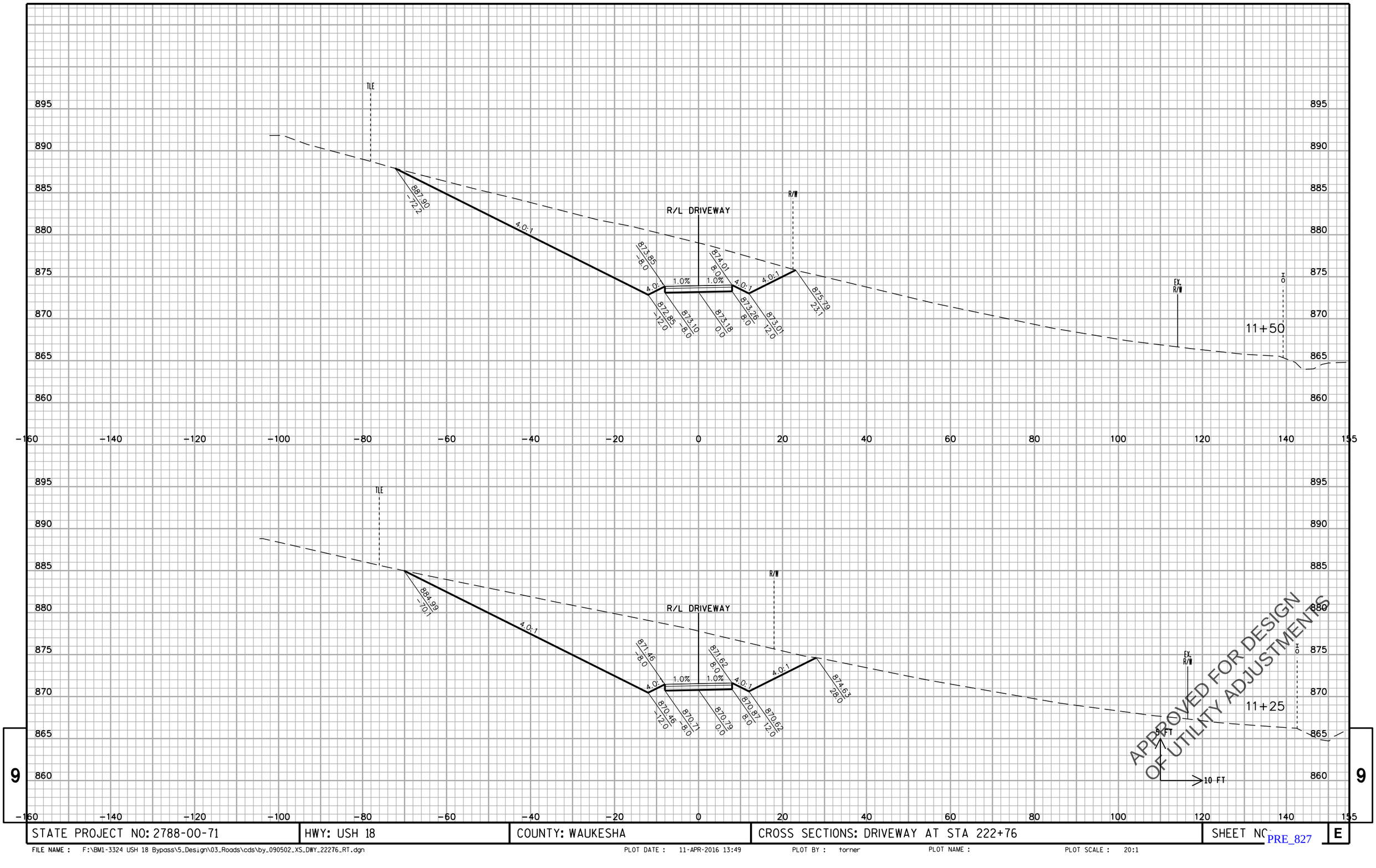
FILE NAME : F:\BM1-3324 USH 18 Bypass\5_Design\03_Roads\cds\by_090502_XS_DWY_22276_RT.dgn PLOT DATE : 11-APR-2016 13:49 PLOT BY : torner PLOT NAME : PLOT SCALE : 20:1



STATE PROJECT NO: 2788-00-71	HWY: USH 18	COUNTY: WAUKESHA	CROSS SECTIONS: DRIVEWAY AT STA 222+76	SHEET NO	E

FILE NAME : F:\BM1-3324 USH 18 Bypass\5_Design\03_Roads\cds\by_090502_XS_DWY_22276_RT.dgn PLOT DATE : 11-APR-2016 13:49 PLOT BY : torner PLOT NAME : PLOT SCALE : 20:1

PRE_826



STATE PROJECT NO: 2788-00-71	HWY: USH 18	COUNTY: WAUKESHA	CROSS SECTIONS: DRIVEWAY AT STA 222+76	SHEET NO	
				PRE_827	E

FILE NAME : F:\BM1-3324 USH 18 Bypass\5_Design\03_Roads\cds\by_090502_XS_DWY_22276_RT.dgn PLOT DATE : 11-APR-2016 13:49 PLOT BY : torner PLOT NAME : PLOT SCALE : 20:1

9

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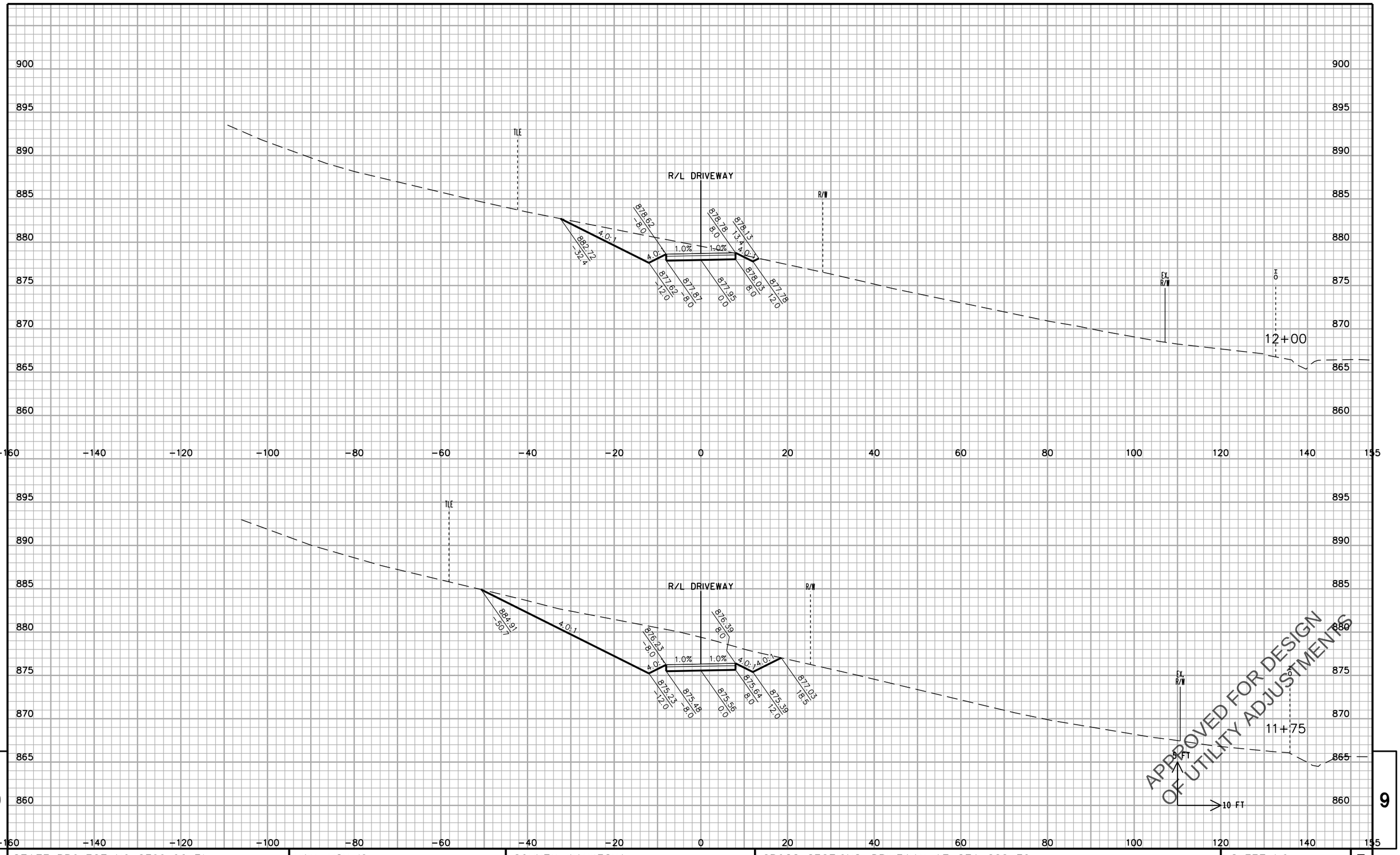

STATE PROJECT NO: 2788-00-71	HWY: USH 18	COUNTY: WAUKESHA	CROSS SECTIONS: DRIVEWAY AT STA 222+76	SHEET NO	E

FILE NAME : F:\BM1-3324 USH 18 Bypass\5_Design\03_Roads\cds\by_090502_XS_DWY_22276_RT.dgn PLOT DATE : 11-APR-2016 13:49 PLOT BY : torner PLOT NAME : PLOT SCALE : 20:1

PRE_828

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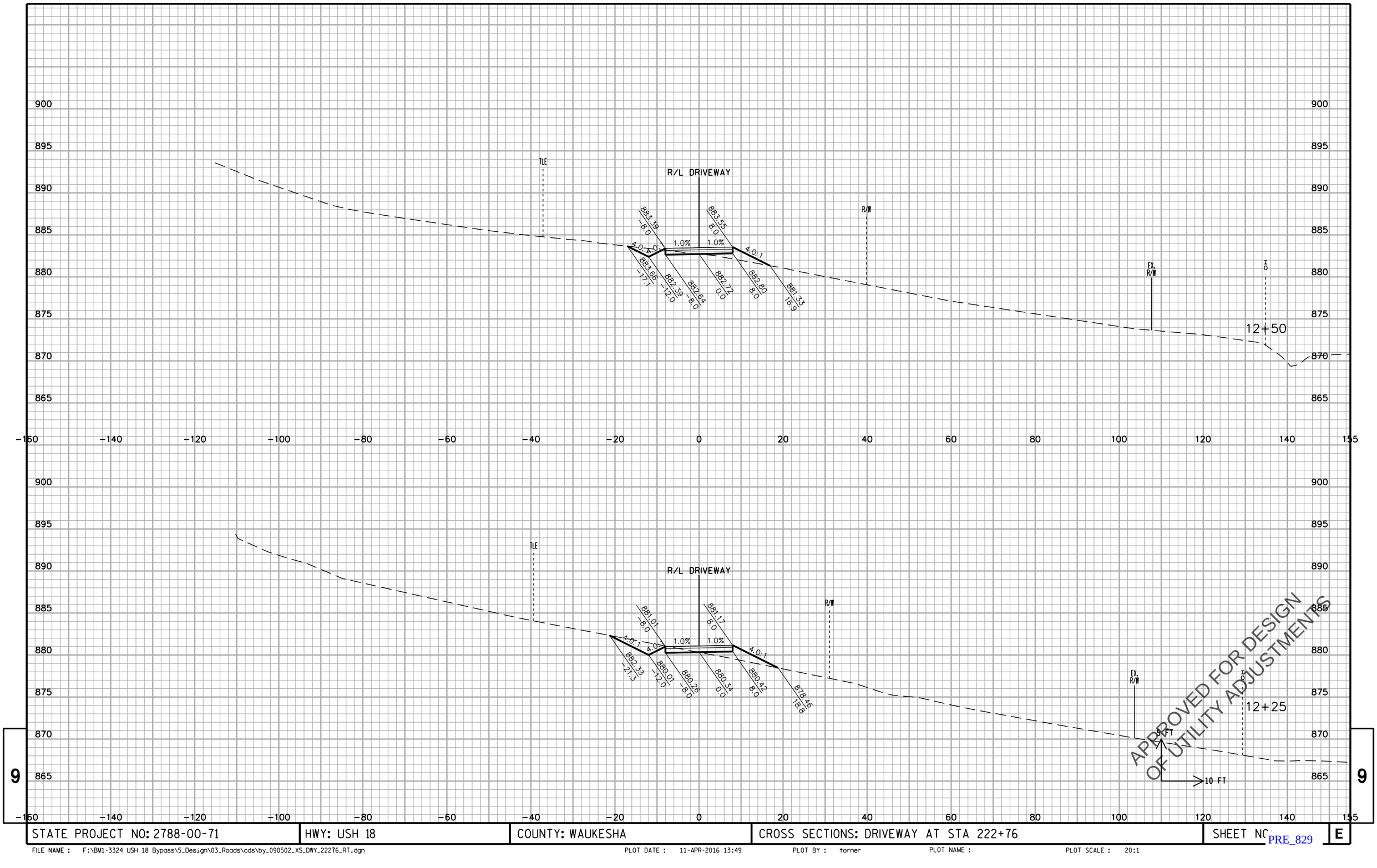


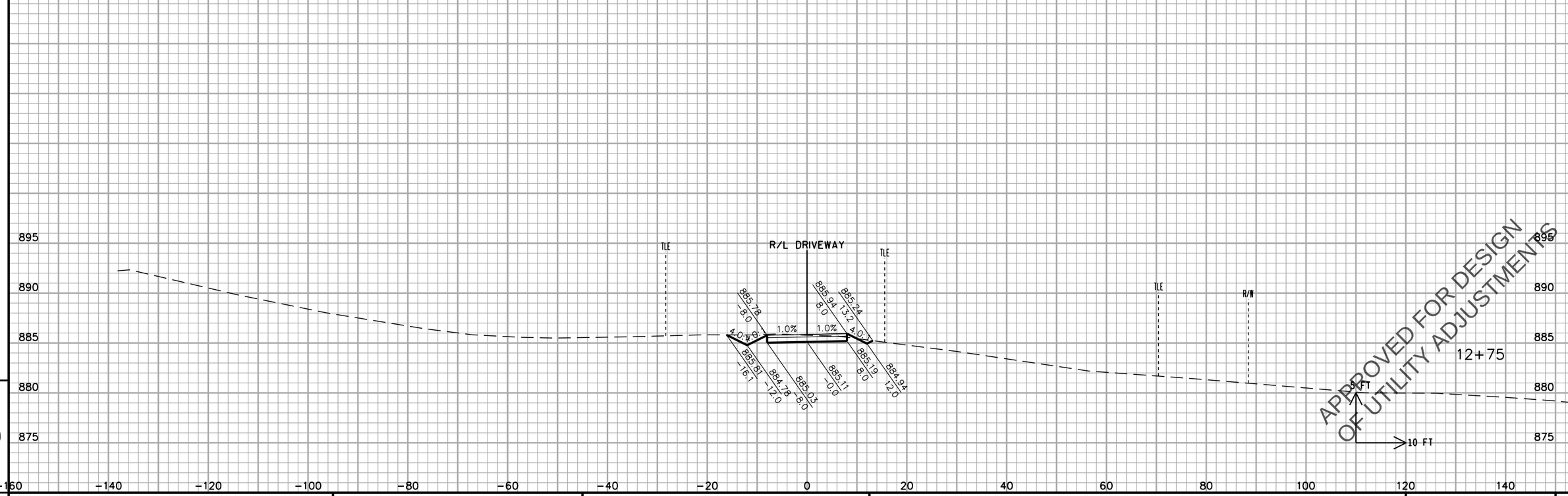
APPROVED FOR DESIGN OF UTILITY ADJUSTMENTS

9

STATE PROJECT NO: 2788-00-71	HWY: USH 18	COUNTY: WAUKESHA	CROSS SECTIONS: DRIVEWAY AT STA 222+76	SHEET NO	E

FILE NAME : F:\BM1-3324 USH 18 Bypass\5_Design\03_Roads\cds\by_090502_XS_DWY_22276_RT.dgn PLOT DATE : 11-APR-2016 13:49 PLOT BY : torner PLOT NAME : PLOT SCALE : 20:1

PRE_829



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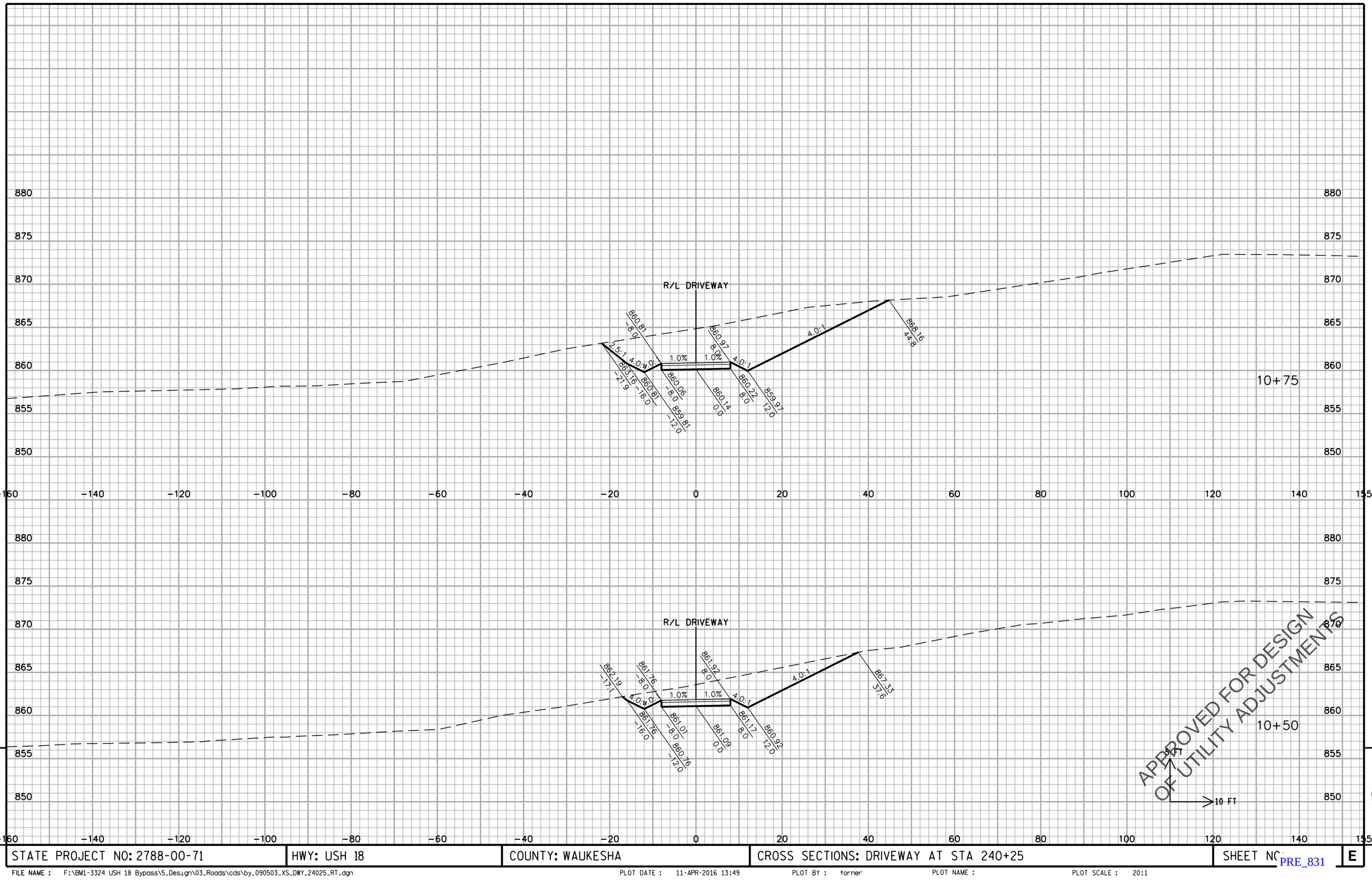
STATE PROJECT NO: 2788-00-71	HWY: USH 18	COUNTY: WAUKESHA	CROSS SECTIONS: DRIVEWAY AT STA 222+76	SHEET NO	E

FILE NAME : F:\BM1-3324 USH 18 Bypass\5_Design\03_Roads\cds\by_090502_XS_DWY_22276_RT.dgn PLOT DATE : 11-APR-2016 13:49 PLOT BY : torner PLOT NAME : PLOT SCALE : 20:1

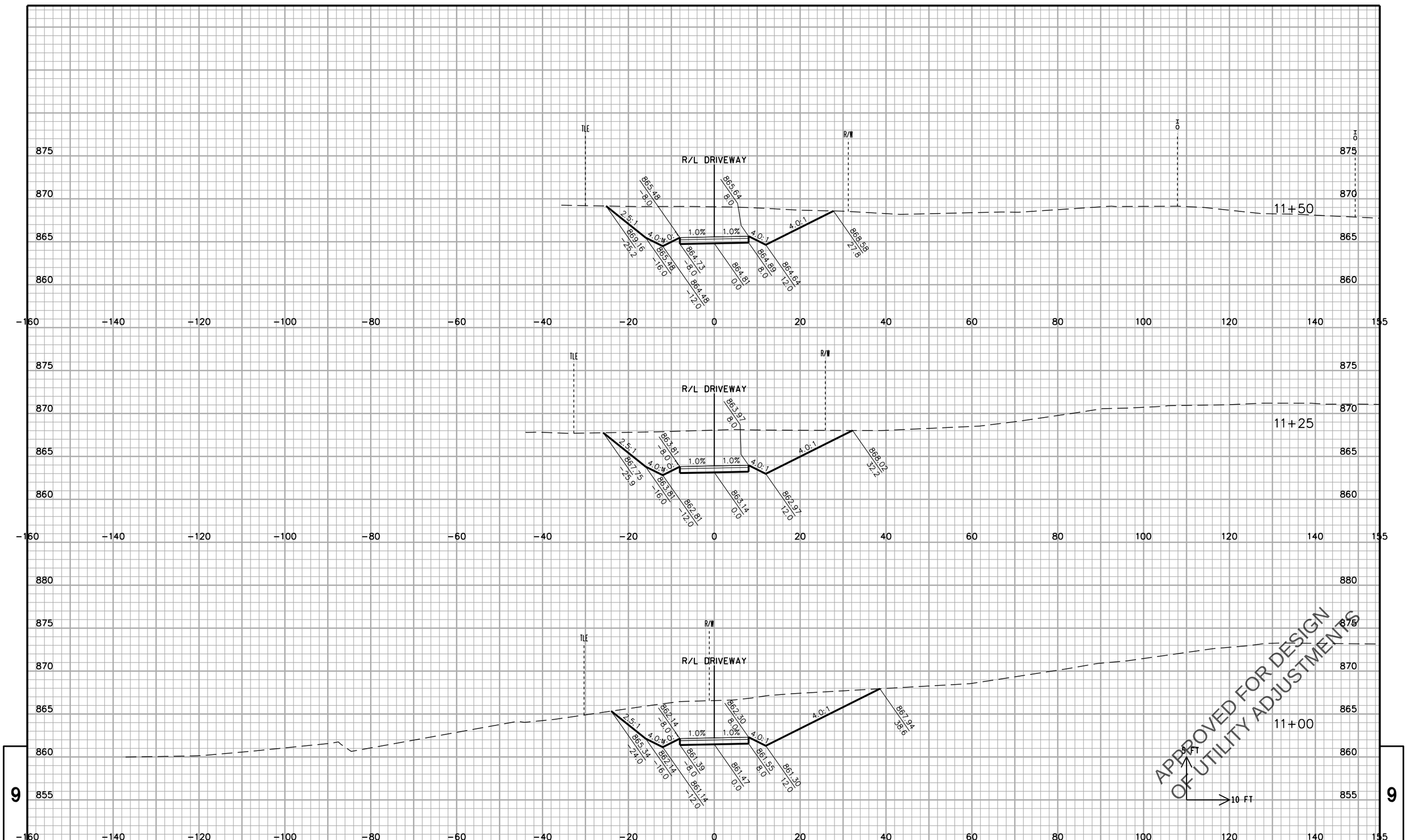
PRE_830



STATE PROJECT NO: 2788-00-71	HWY: USH 18	COUNTY: WAUKESHA	CROSS SECTIONS: DRIVEWAY AT STA 240+25	SHEET NO	E

FILE NAME : F:\BM1-3324 USH 18 Bypass\5_Design\03_Roads\cds\by_090503_XS_DWY_24025_RT.dgn PLOT DATE : 11-APR-2016 13:49 PLOT BY : torner PLOT NAME : PLOT SCALE : 20:1

PRE_831



STATE PROJECT NO: 2788-00-71	HWY: USH 18	COUNTY: WAUKESHA	CROSS SECTIONS: DRIVEWAY AT STA 240+25	SHEET NO.	E

FILE NAME : F:\BM1-3324 USH 18 Bypass\5_Design\03_Roads\cds\by_090503_XS_DWY_24025_RT.dgn PLOT DATE : 11-APR-2016 13:49 PLOT BY : torner PLOT NAME : PLOT SCALE : 20:1

PRE_832

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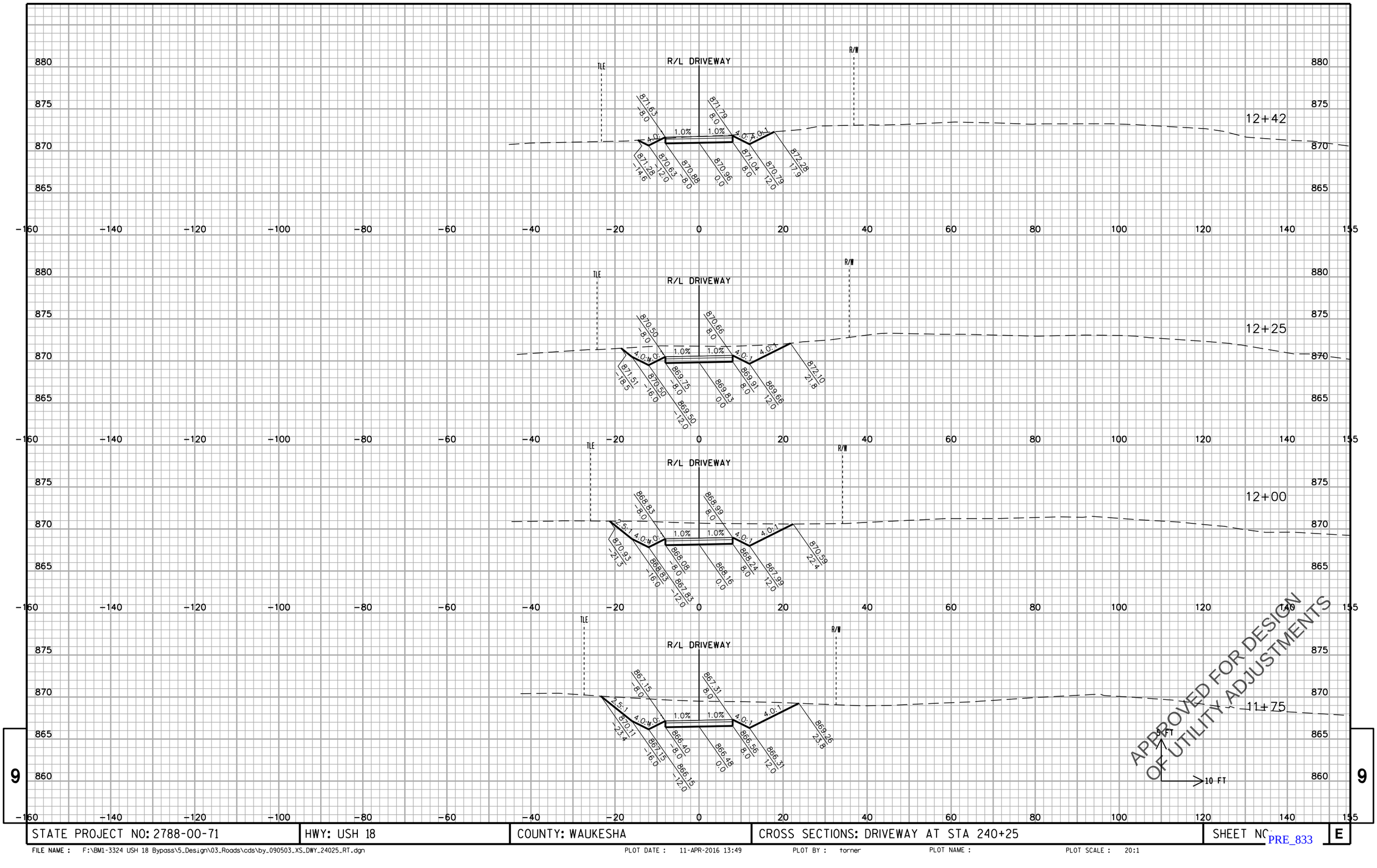
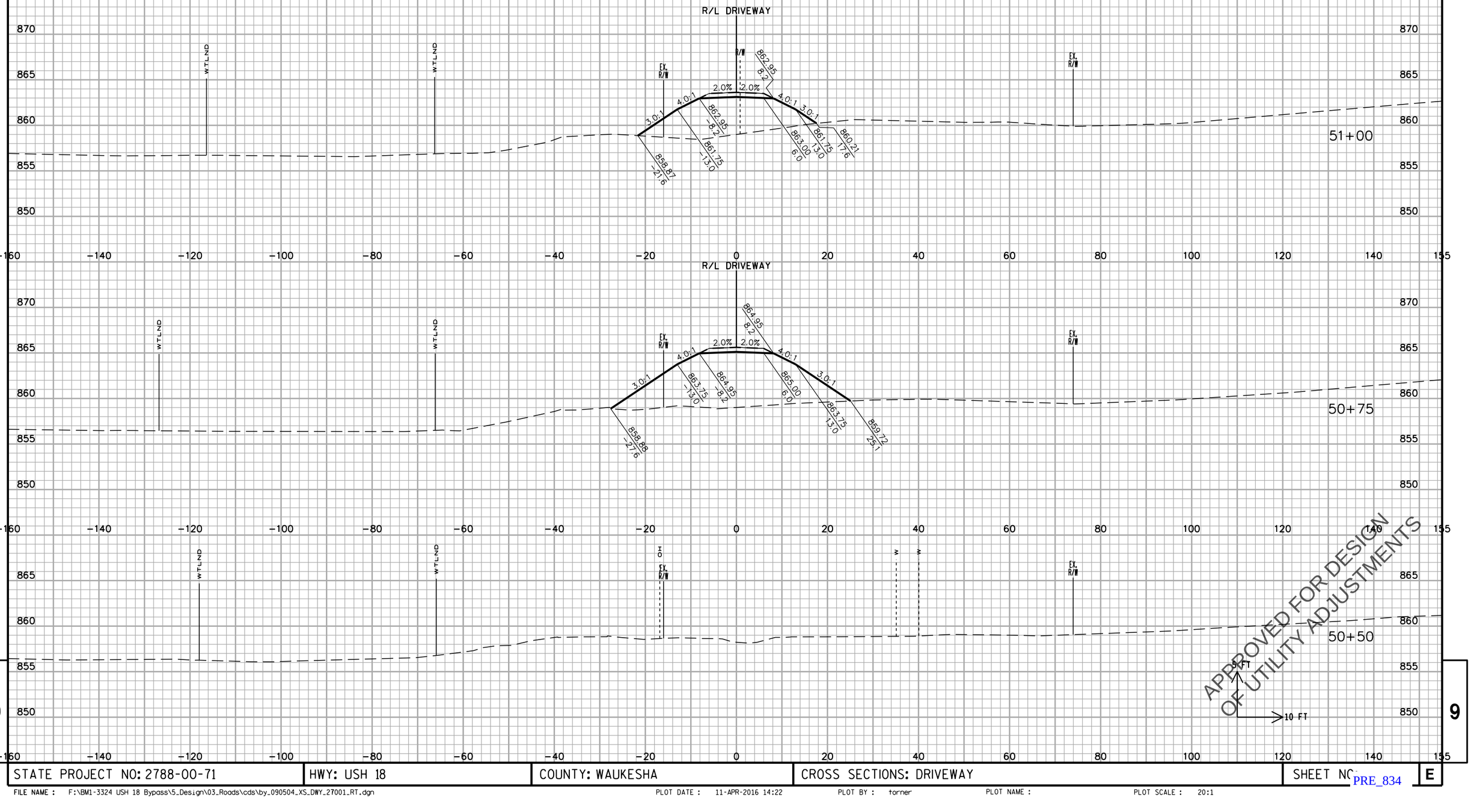


STATE PROJECT NO: 2788-00-71	HWY: USH 18	COUNTY: WAUKESHA	CROSS SECTIONS: DRIVEWAY AT STA 240+25	SHEET NO	E

FILE NAME : F:\BM1-3324 USH 18 Bypass\5_Design\03_Roads\cds\by_090503_XS_DWY_24025_RT.dgn PLOT DATE : 11-APR-2016 13:49 PLOT BY : torner PLOT NAME : PLOT SCALE : 20:1

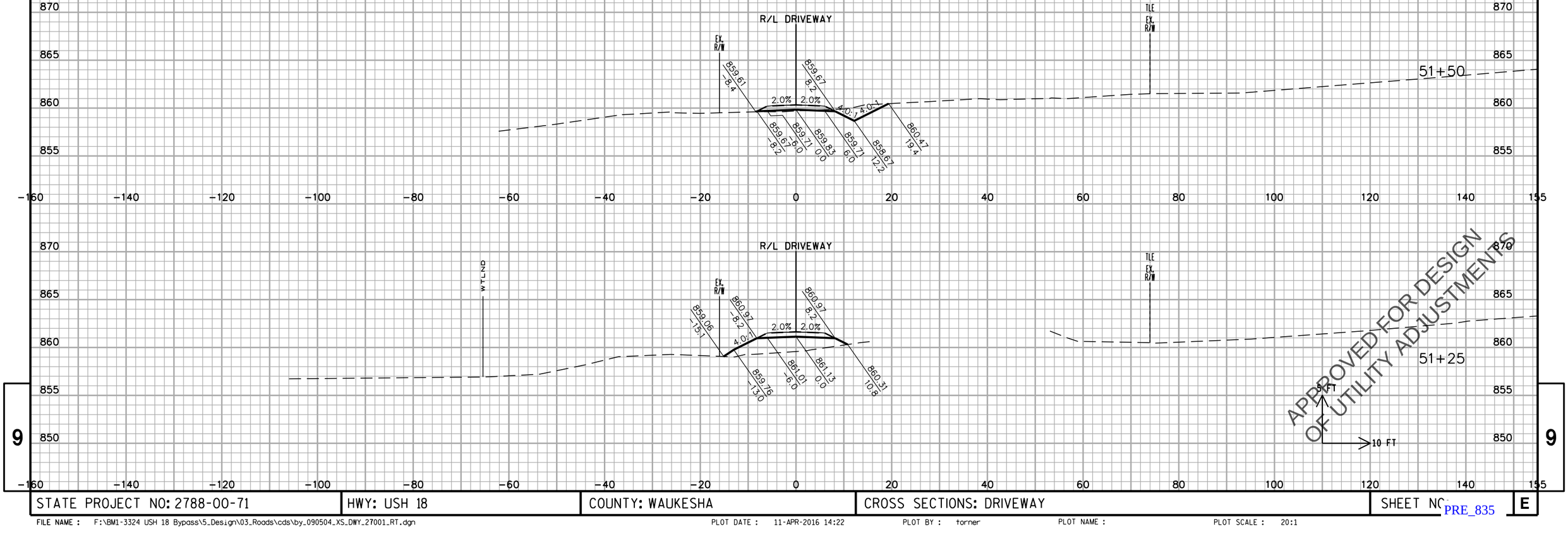
PRE_833



STATE PROJECT NO: 2788-00-71	HWY: USH 18	COUNTY: WAUKESHA	CROSS SECTIONS: DRIVEWAY	SHEET NO. E

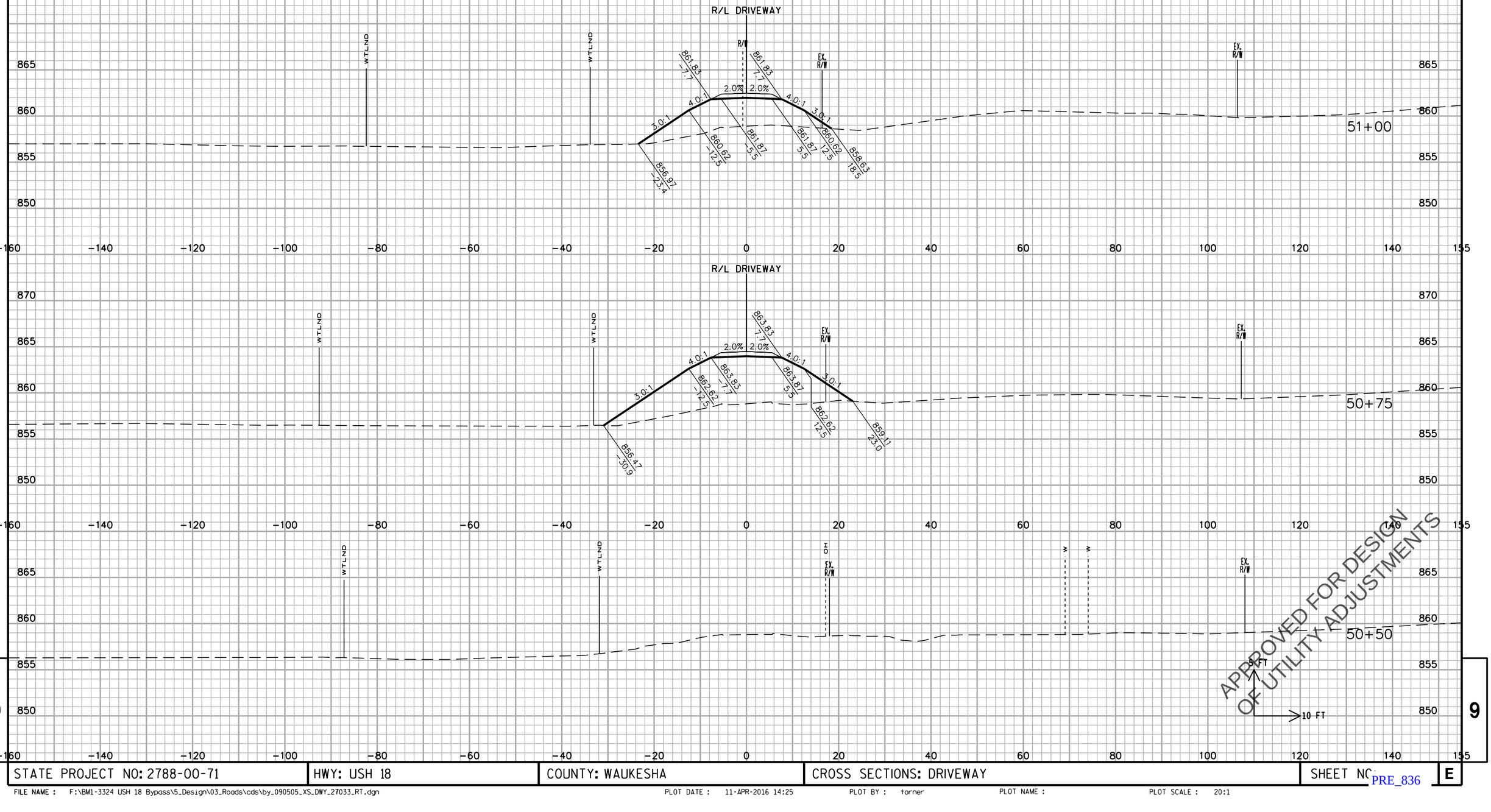
FILE NAME : F:\BM1-3324 USH 18 Bypass\5_Design\03_Roads\cds\by_090504_XS_DWY_27001_RT.dgn PLOT DATE : 11-APR-2016 14:22 PLOT BY : torner PLOT NAME : PLOT SCALE : 20:1

PRE_834



STATE PROJECT NO: 2788-00-71	HWY: USH 18	COUNTY: WAUKESHA	CROSS SECTIONS: DRIVEWAY	SHEET NO.	E

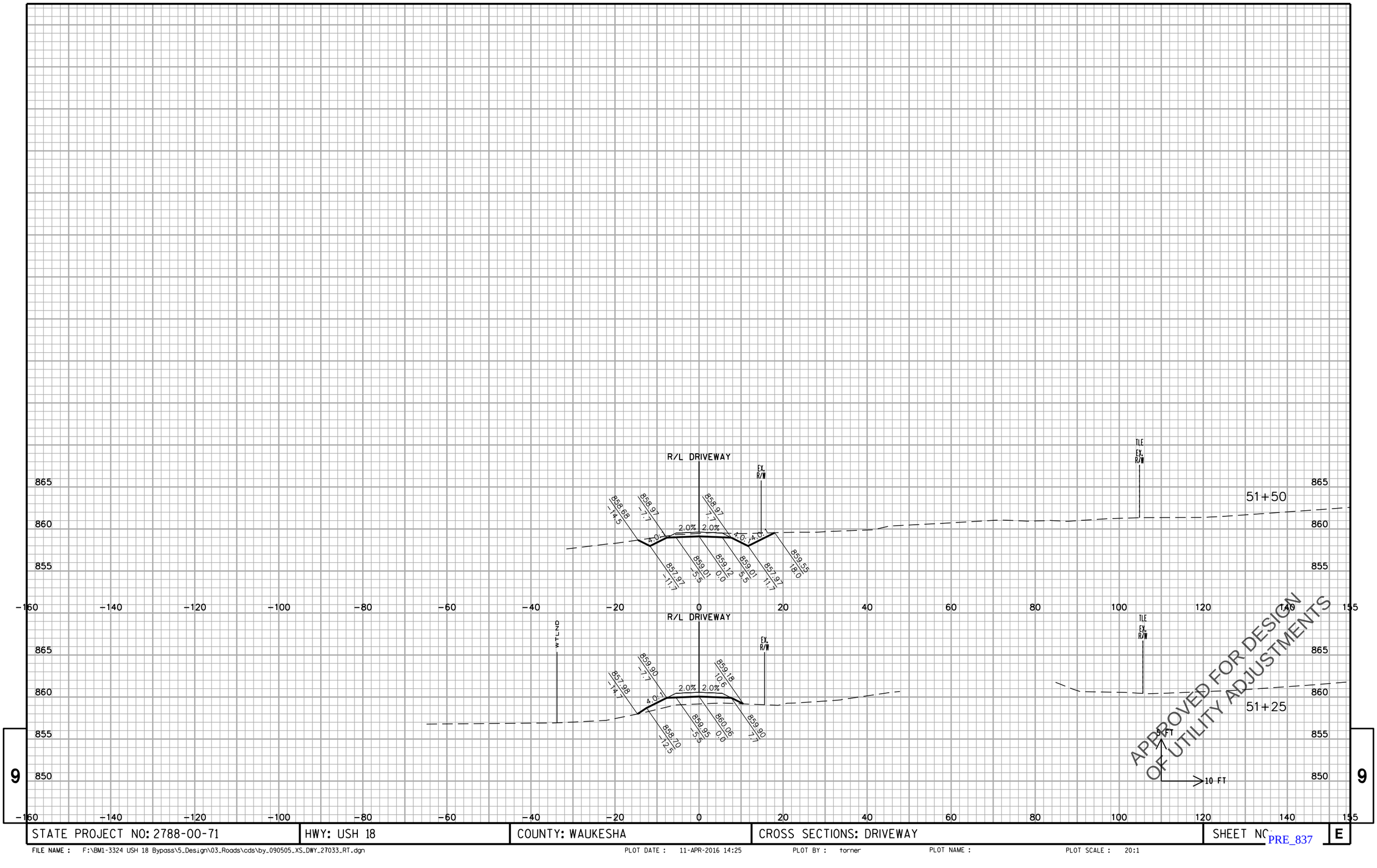
FILE NAME : F:\BM1-3324 USH 18 Bypass\5_Design\03_Roads\cds\by_090504_XS_DWY_27001_RT.dgn PLOT DATE : 11-APR-2016 14:22 PLOT BY : torner PLOT NAME : PLOT SCALE : 20:1



STATE PROJECT NO: 2788-00-71	HWY: USH 18	COUNTY: WAUKESHA	CROSS SECTIONS: DRIVEWAY	SHEET NO.	E

FILE NAME : F:\BM1-3324 USH 18 Bypass\5_Design\03_Roads\cds\by_090505_XS_DWY_27033_RT.dgn PLOT DATE : 11-APR-2016 14:25 PLOT BY : torner PLOT NAME : PLOT SCALE : 20:1

PRE_836

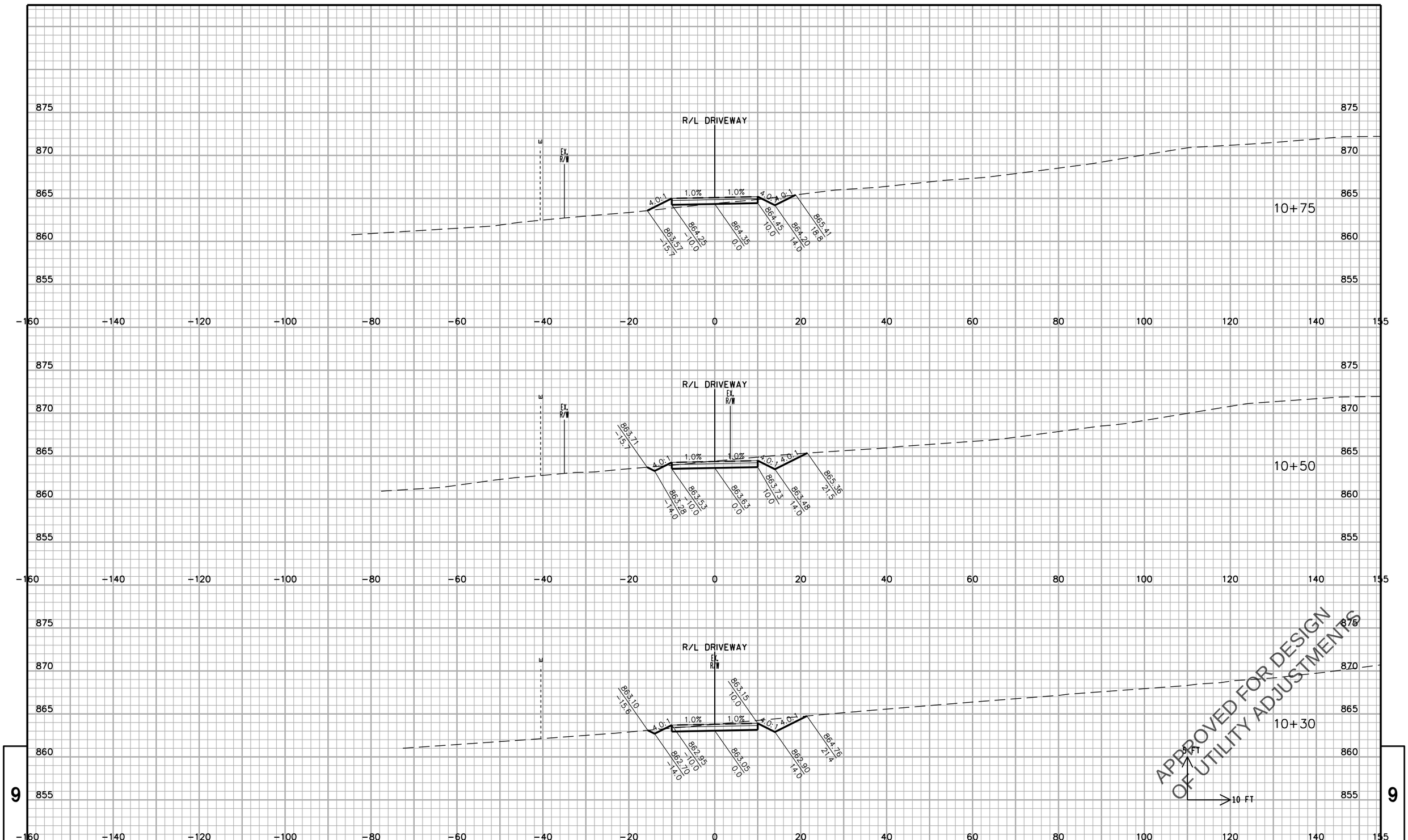


APPROVED FOR DESIGN OF UTILITY ADJUSTMENTS

9

STATE PROJECT NO: 2788-00-71	HWY: USH 18	COUNTY: WAUKESHA	CROSS SECTIONS: DRIVEWAY	SHEET NO	E

FILE NAME : F:\BM1-3324 USH 18 Bypass\5_Design\03_Roads\cds\by_090505_XS_DWY_27033_RT.dgn PLOT DATE : 11-APR-2016 14:25 PLOT BY : torner PLOT NAME : PLOT SCALE : 20:1

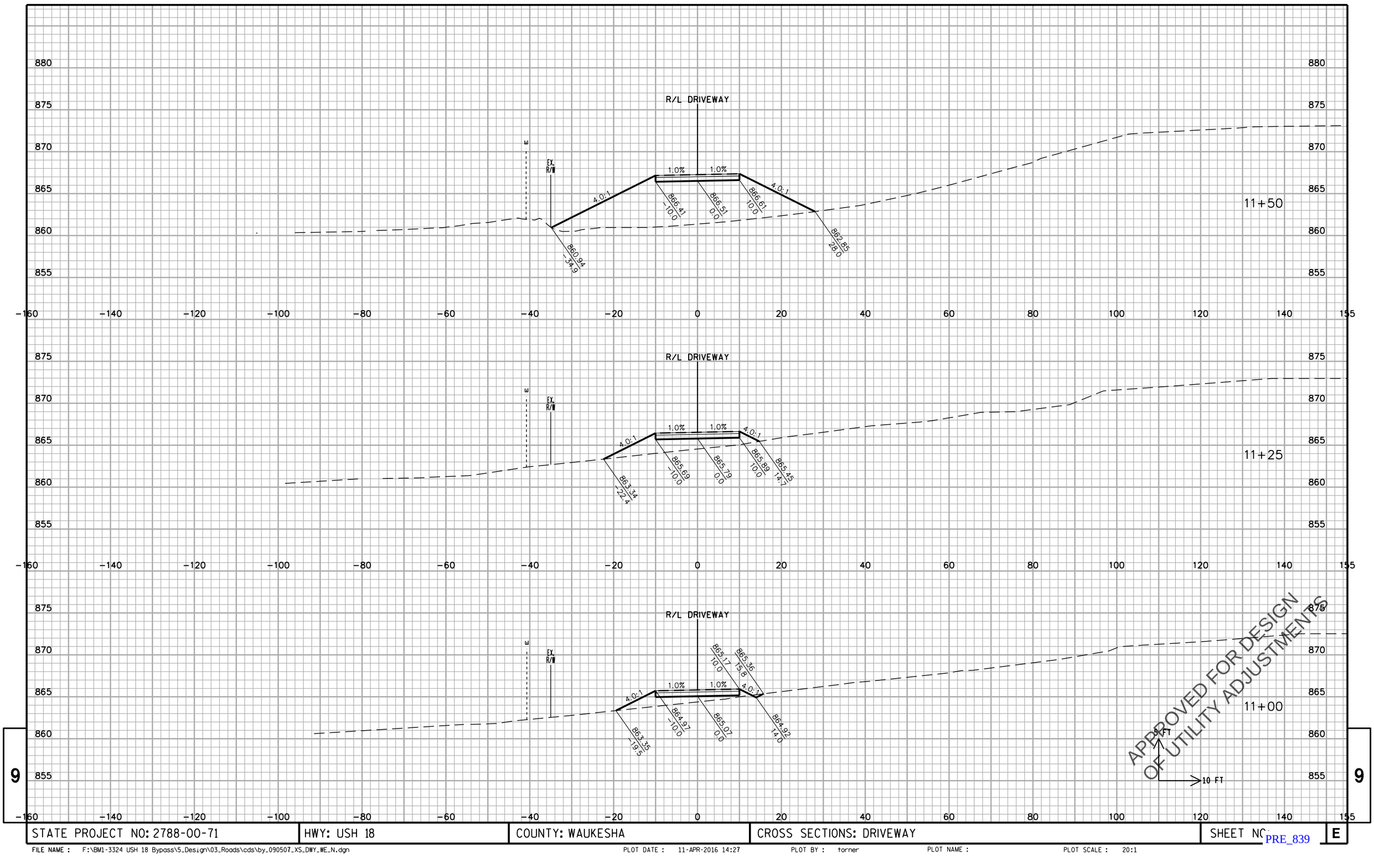


STATE PROJECT NO: 2788-00-71	HWY: USH 18	COUNTY: WAUKESHA	CROSS SECTIONS: DRIVEWAY	SHEET NO.	E

FILE NAME : F:\BM1-3324 USH 18 Bypass\5_Design\03_Roads\cds\by_090507_XS_DWY_WE_N.dgn PLOT DATE : 11-APR-2016 14:27 PLOT BY : torner PLOT NAME : PLOT SCALE : 20:1

PRE_838

9



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STATE PROJECT NO: 2788-00-71	HWY: USH 18	COUNTY: WAUKESHA	CROSS SECTIONS: DRIVEWAY	SHEET NO	E

9

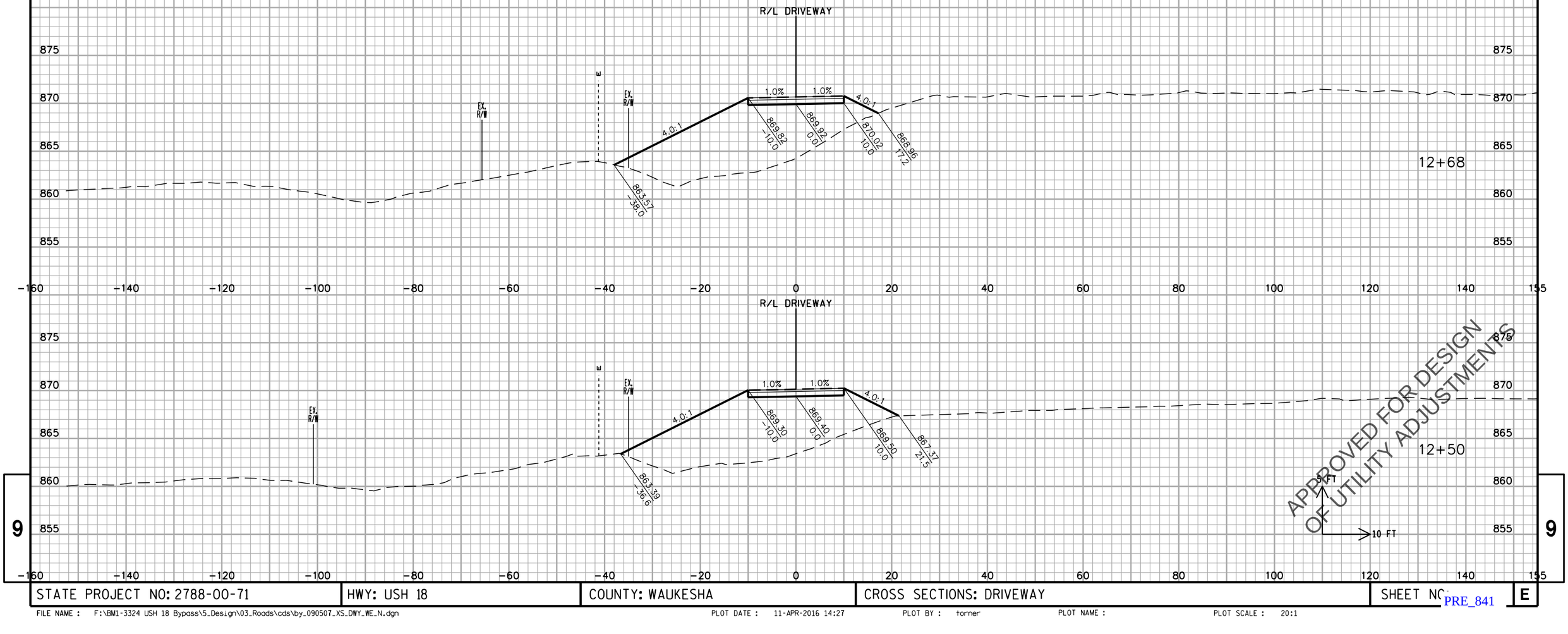
FILE NAME : F:\BM1-3324 USH 18 Bypass\5_Design\03_Roads\cds\by_090507_XS_DWY_WE_N.dgn PLOT DATE : 11-APR-2016 14:27 PLOT BY : torner PLOT NAME : PLOT SCALE : 20:1

PRE_839

STATE PROJECT NO: 2788-00-71	HWY: USH 18	COUNTY: WAUKESHA	CROSS SECTIONS: DRIVEWAY	SHEET NO.	E

FILE NAME : F:\BM1-3324 USH 18 Bypass\5_Design\03_Roads\cds\by_090507_XS_DWY_WE_N.dgn PLOT DATE : 11-APR-2016 14:27 PLOT BY : torner PLOT NAME : PLOT SCALE : 20:1

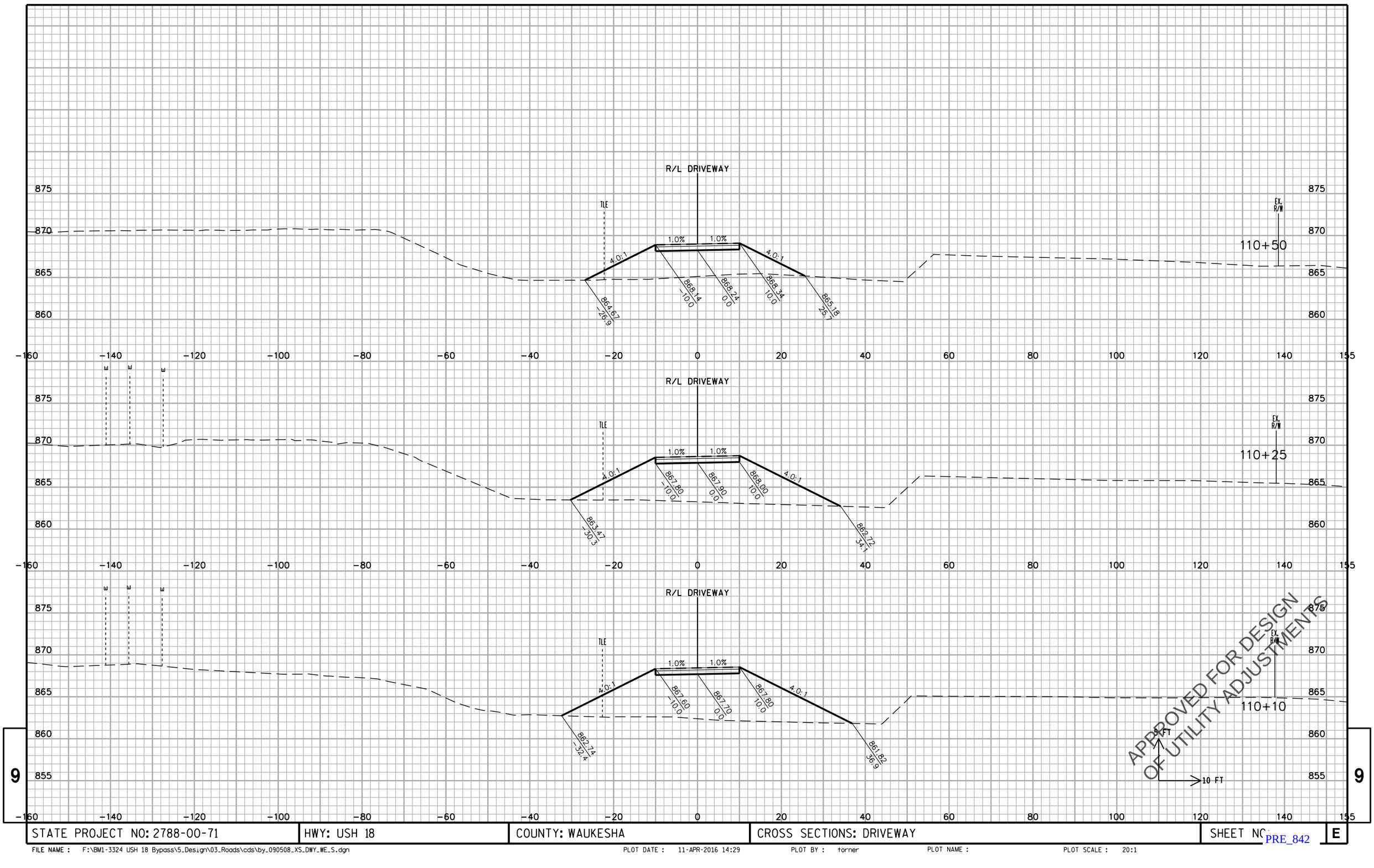
PRE_840



STATE PROJECT NO: 2788-00-71	HWY: USH 18	COUNTY: WAUKESHA	CROSS SECTIONS: DRIVEWAY	SHEET NO. 9 E

FILE NAME : F:\BM1-3324 USH 18 Bypass\5_Design\03_Roads\cds\by_090507_XS_DWY_WE_N.dgn PLOT DATE : 11-APR-2016 14:27 PLOT BY : torner PLOT NAME : PLOT SCALE : 20:1

PRE_841



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STATE PROJECT NO: 2788-00-71	HWY: USH 18	COUNTY: WAUKESHA	CROSS SECTIONS: DRIVEWAY	SHEET NO.	E

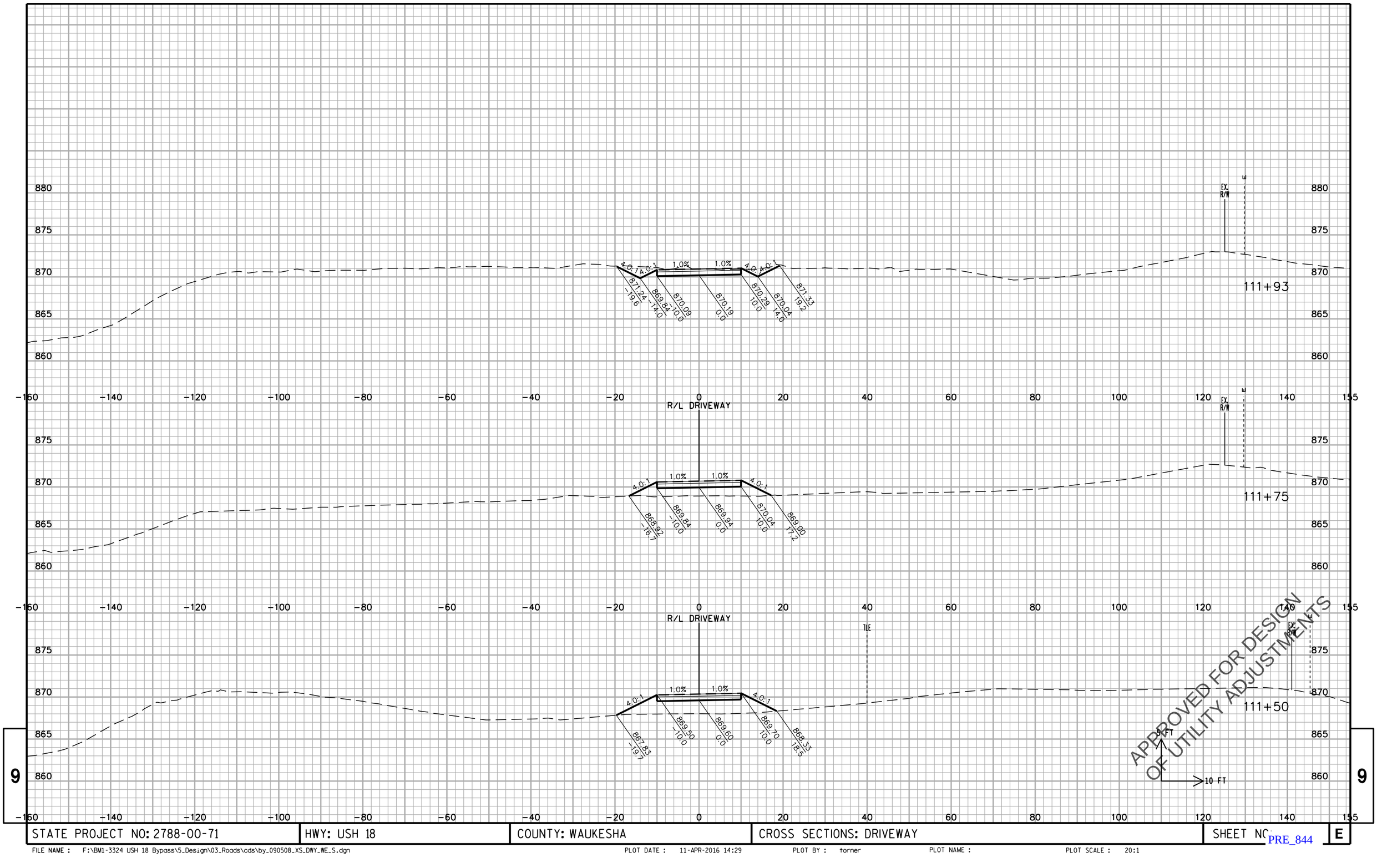
FILE NAME : F:\BM1-3324 USH 18 Bypass\5_Design\03_Roads\cds\by_090508_XS_DWY_WE_S.dgn PLOT DATE : 11-APR-2016 14:29 PLOT BY : torner PLOT NAME : PLOT SCALE : 20:1

PRE_842

9

STATE PROJECT NO: 2788-00-71	HWY: USH 18	COUNTY: WAUKESHA	CROSS SECTIONS: DRIVEWAY	SHEET NO	E

9



APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS

9

STATE PROJECT NO: 2788-00-71	HWY: USH 18	COUNTY: WAUKESHA	CROSS SECTIONS: DRIVEWAY	SHEET NO.	E

FILE NAME : F:\BM1-3324 USH 18 Bypass\5_Design\03_Roads\cds\by_090508_XS_DWY_WE_S.dgn PLOT DATE : 11-APR-2016 14:29 PLOT BY : torner PLOT NAME : PLOT SCALE : 20:1

PRE_844

WISCONSIN DEPARTMENT OF TRANSPORTATION

EPlans Preliminary Sheet Numbering Tool

Notes

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

TO ADD PRELIMINARY SHEET NUMBERS

1. Insert this sheet at the end of the plan

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

2. Click the Place Preliminary Sheet Numbers button

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

3. Re-Save the PDF

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

Place Preliminary Sheet Numbers

TO REMOVE PRELIMINARY SHEET NUMBERS

Remove

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OF UTILITY ADJUSTMENTS