PROJECT ID: 1146-75-71
WITH:

COUNTY: OUTAGAMIE

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 =



N

DESIGN DESIGNATION

A.A.D.T.	(2019) =	12,200
A.A.D.T.	(2044) =	21,600
D.H.V.	=	2,550
D.D.	=	62-38
T.	=	5.2%
DESIGN SPEED	=	60 MPH
ESALS	=	2,620,700

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

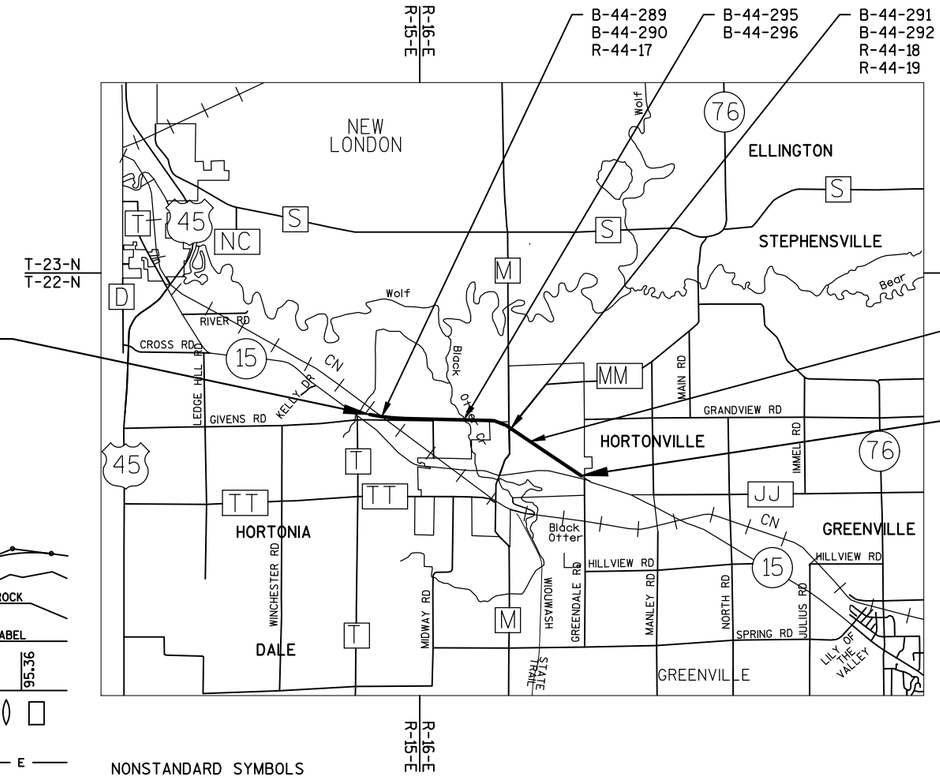
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED IMPROVEMENT

STH 76 - NEW LONDON
WI CENTRAL RR - CTH JJ
STH 15
OUTAGAMIE COUNTY

STATE PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
1146-75-71		

STATE PROJECT NUMBER
1146-75-71



NONSTANDARD SYMBOLS
- DRIVEWAY TO BE REMOVED
- PROPOSED RELOCATION
- RETAINING WALL
- DITCH
- MEDIAN DRAIN/OUTFALL

LAYOUT SCALE 0 2 MILE

TOTAL NET LENGTH OF CENTERLINE = 3.598

TRANS 220
PROJECT PLAN
FOR
DESIGN OF UTILITY FACILITY ALTERATIONS OR RELOCATIONS

Date: _____

HORIZONTAL POSITIONS SHOWN ON THIS PLAN ARE WISCONSIN COUNTY COORDINATES, OUTAGAMIE COUNTY, NAD83 (2007) ADJUSTMENT. THE COORDINATES SHOWN ARE GRID COORDINATES AND ARE TO BE USED AS GRID OR GROUND VALUES ON THIS PLAN.

ELEVATIONS SHOWN ON THIS PLAN ARE REFERENCE TO THE NORTH AMERICAN VERTICAL DATUM (NAVD) 88 (2007).

APPROVED FOR DESIGN OF UTILITY ADJUSTMENTS OCTOBER 2019

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PREPARED BY
- Surveyor: WISDOT NORTHEAST REGION
- Designer: MASON SIMMONS
- Project Manager: WILLIAM BERTRAND
- Regional Examiner: XXX
- Regional Supervisor: TAMMY RABE

APPROVED FOR THE DEPARTMENT

DATE: _____ _____ (Signature)

PRE_1

E

FILE NAME : N:\PDS\C3D\11467571\SHEETSPLAN\11467571\11467571_010101_TI.DWG
LAYOUT NAME - 010101_TI

PLOT DATE : 8/6/2019 7:07 AM

PLOT BY : SIMMONS, MASON A PLOT NAME :

UTILITIES

AT&T WISCONSIN - COMMUNICATIONS
JOE KASSAB
205 S JEFFERSON ST
GREEN BAY, WI 54301
(920) 433-4200
JK572K@ATT.COM

CHARTER COMMUNICATIONS
RUDI RUDIGER
5024 HEFFRON STREET
STEVENS POINT, WI 54481
(715) 302-1550
RUDI.RUDIGER@CHARTER.COM

HORTONVILLE AREA SCHOOLS
BEN DUMKE
246 NORTH OLK STREET
HORTONVILLE, WI 54944
(920) 799-7900
BENDUMKE@HASD.ORG

VILLAGE OF HORTONVILLE
PUBLIC WORKS - SEWER & WATER
CARL MCCRARY
531 N NASH STREET
HORTONVILLE, WI 54944
(920) 779-6011
DPW@VOHORTONVILLE.COM

WE ENERGIES-ELECTRIC
CHRISTOPHER SCHULZ
800 SOUTH LYNNDALE DRIVE
APPLETON, WI 54914
(414) 944-5553 (O)
(414) 588-0455 (M)
CHRIS.SCHULZ@WE-ENERGIES.COM

WE ENERGIES-GAS/PETROLEUM
CODY BECKMAN
800 SOUTH LYNNDALE DRIVE
APPLETON, WI 54914
(920) 380-3422 (O)
(920) 428-1038 (M)
CODY.BECKMAN@WE-ENERGIES.COM

GENERAL NOTES

ELEVATIONS SHOWN ON THE PLAN ARE REFERENCED TO NAVD 88 (2007)

COORDINATES SHOWN ON THE PLAN ARE REFERENCED TO NAD 83 (2007).

CURVE DATA IS BASED ON ARC DEFINITION.

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 ALL UTILITIES IN THE VICINITY OF THE PROJECT TO LOCATE THEIR FACILITIES AT LEAST THREE WORKING DAYS PRIOR TO BEGINNING WORK.
ANY UTILITY WHICH IS NOT A MEMBER OF DIGGERS HOTLINE MUST BE CONTACTED SEPARATELY.

THE LOCATION OF SAW CUTS WILL BE DETERMINED OR AS APPROVED BY THE ENGINEER.

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

THE EXACT LOCATIONS OF ALL EROSION CONTROL ITEMS SHALL BE DETERMINED BY THE ENGINEER.

IN PERFORMANCE OF THE WORK UNDER THE ITEM "REMOVING FENCE", THE FENCE SHALL BE REMOVED TO A PULL OR STRETCHER POST ASSEMBLY AS DETERMINED IN THE FIELD BY THE ENGINEER.

EXPANSION JOINTS TO BE CONSTRUCTED AT ALL RADIUS POINTS IN CURB AND GUTTER OR AT LOCATIONS SHOWN ON THE PLAN.

THE LOCATION OF EXISTING MANHOLES AS SHOWN ON THE PLANS IS APPROXIMATE.

EXISTING DRAINAGE DITCHES AND CULVERT PIPES WILL REMAIN FUNCTIONAL DURING EXCAVATION OPERATIONS.-INLET AND DISCHARGE ELEVATIONS FOR DRAINAGE STRUCTURES ARE APPROXIMATE AND SHALL BE DETERMINED BY THE ENGINEER IN THE FIELD.

THE LAST SECTION OF ALL EXISTING REINFORCED CONCRETE CULVERT PIPES THAT ARE TO BE EXTENDED SHALL BE, IF NECESSARY, RESET PRIOR TO INSTALLING THE PIPE EXTENSION.

THE FIRST SECTION OF ALL REINFORCED CONCRETE CULVERT PIPE EXTENSIONS SHALL BE CONSTRUCTED TO MATCH THE EXISTING CULVERT PIPE OR OTHER CONNECTIONS MAY BE USED WITH THE APPROVAL OF THE ENGINEER.

THE EXACT LOCATION OF ACCESS POINTS SHALL BE DETERMINED IN THE FIELD BY THE ENGINEER, EXCEPT FOR CONTROLLED LOCATIONS SHOWN ON THE PLAT.

DRIVEWAY SURFACE BEYOND EDGE OF SHOULDER SHALL BE REPLACED IN-KIND WITH A MINIMUM SECTION OF:
3" ASPHALTIC SURFACE OVER 6" BASE AGGREGATE DENSE 3/4-INCH FOR ASPHALTIC PRIVATE DRIVEWAYS AND FIELD ENTRANCES; 6" BASE AGGREGATE DENSE 3/4-INCH FOR GRAVEL DRIVEWAYS.

STANDARD ABBREVIATIONS

ADT	AVERAGE DAILY TRAFFIC
AEW	APRON ENDWALL
AGG	AGGREGATE
BAD	BASE AGGREGATE DENSE
BM	BENCH MARK
C&G	CURB AND GUTTER
C-C	CENTER TO CENTER
CPCM	CULVERT PIPE CORRUGATED METAL
CPRC	CULVERT PIPE REINFORCED CONCRETE
CPRCHE	CULVERT PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL
CSD	CONCRETE SURFACE DRAIN
CTR	CENTER
CWT	HUNDRED WEIGHT
CY	CUBIC YARD
D	DEGREE OF CURVE
Δ	DELTA
DD	DIRECTIONAL DISTRIBUTION
DHV	DESIGN HOUR VOLUME
DIA OR Ø	DIAMETER
EL OR ELEV	ELEVATION
FS	FULL SUPERELEVATION
FT	FOOT
HE	HIGHWAY EASEMENT
HMA	HOT MIX ASPHALT
INCID	INCIDENTAL
INL	INLET
L	LENGTH OF CURVE
LF	LINEAR FOOT
LONG	LONGITUDINAL
LT	LEFT
MH	MANHOLE
ML OR M/L	MATCH LINE
NC	NORMAL CROWN
NTS	NOT TO SCALE
PAVT	PAVEMENT
PC	POINT OF CURVATURE
PCC	POINT OF COMPOUND CURVATURE
PI	POINT OF INTERSECTION
PLE	PERMANENT LIMITED EASEMENT
PT	POINT OF TANGENCY
PVC	POINT OF VERTICAL CURVATURE
PVI	POINT OF VERTICAL INTERSECTION
PVT	POINT OF VERTICAL TANGENCY
R	RADIUS
R/L	REFERENCE LINE
RO	RUN OFF LENGTH
RT	RIGHT
RW OR R/W	RIGHT OF WAY
SDD	STANDARD DETAIL DRAWINGS
SS	STORM SEWER
SSPRC	STORM SEWER PIPE REINFORCED CONCRETE
SSPRCHE	STORM SEWER PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL
STA	STATION
SY	SQUARE YARD
SYM	SYMMETRICAL
T	TANGENT LENGTH
TEMP	TEMPORARY
TLE	TEMPORARY LIMITED EASEMENT
TYP	TYPICAL
V	VELOCITY OR DESIGN SPEED
VAR	VARIABLE OR VARIES
WM	WATER MAIN
YD	YARD

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

ORDER OF SECTION 2 SHEETS

-GENERAL NOTES
-PROJECT OVERVIEW
-TYPICAL SECTIONS
-CONSTRUCTION DETAILS
-INTERSECTION DETAILS
-PLAN DETAILS
-EROSION CONTROL
-STORM SEWER PLAN
-LANDSCAPING
-PERMANENT SIGNING
-PAVEMENT MARKING
-TRAFFIC CONTROL
-STAGE CONSTRUCTION
-FENCING
-ALIGNMENT

DNR AREA LIAISON

MATTHEW SCHAEVE
DEPARTMENT OF NATURAL RESOURCES
2984 SHAWANO AVE
GREEN BAY, WI 54303
PHONE: 920-662-5472
EMAIL: MATTHEW.SCHAEVE@WISCONSIN.GOV

COUNTY SURVEYOR OR SURVEYS CONTACT PERSON

CORMAC MCINNIS
944 VANDERPERREN WAY
GREEN BAY, WI 54304
PHONE: 920 492-5638
EMAIL: CORMAC.MCINNIS@DOT.WI.GOV

APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS
OCTOBER 2019

CONSTRUCTION ID: 1146-75-73
FUTURE WORK BY OTHERS

CONSTRUCTION ID: 1146-75-76
FUTURE WORK BY OTHERS

CONSTRUCTION ID: 1146-75-71

N

220'EB'
230'WB'
230'EB'
240'WB'
240'EB'
250'WB'
250'EB'
260'WB'
260'EB'
270'WB'
270'EB'
280'WB'
280'EB'
290'WB'
290'EB'
300'WB'
300'EB'
310'WB'
310'EB'
320'WB'
320'EB'
330'WB'
330'EB'
340'WB'
340'EB'
350'WB'
350'EB'
360'WB'
360'EB'
370'WB'
370'EB'

B-44-290
R-44-17
B-44-289

STA AHD: 301'WB'+00.00
STA BK: 300'WB'+90.70
EQUATION

STH 15

B-44-296
B-44-295

BLACK OTTER CREEK

W. GIVENS RD
GIVENS RD

55'OLW'
60'OLW'
65'OLW'
70'OLW'
75'OLW'

WISCONSIN CENTRAL LTD

OLD STH 15 WEST

BEGIN CONSTRUCTION
STA 275'EB'+00

CONSTRUCTION ID: 1146-75-71

CONSTRUCTION ID: 1146-75-78
FUTURE WORK BY OTHERS

N

CTH MM

30'MM'
25'MM'
20'MM'
15'MM'

STA AHD: 373'WB'+97.95
STA BK: 374'WB'+32.06
EQUATION

NASH ST

30'M'
25'M'
15'M'

R-44-19
B-44-292
R-44-18
B-44-291

R-44-21
B-44-294
B-44-293
R-44-20

N CREST ST

EQUATION
STA AHD: 455'WB'+02.36
STA BK: 454'WB'+95.89

STH 15

EXISTING SNOWMOBILE TRAIL

END CONSTRUCTION
STA 465'EB'+00

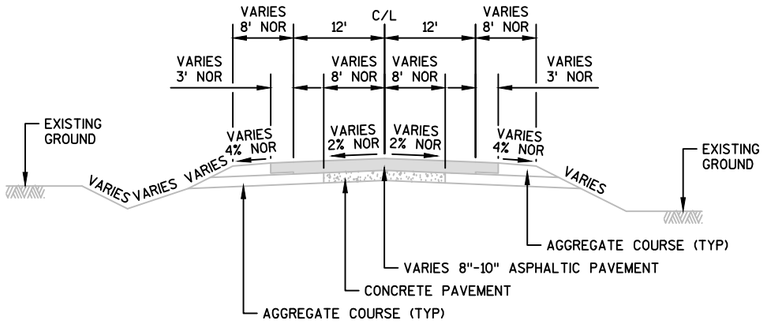
APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS
OCTOBER 2019

PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	PROJECT OVERVIEW	SHEET E

PRE_3

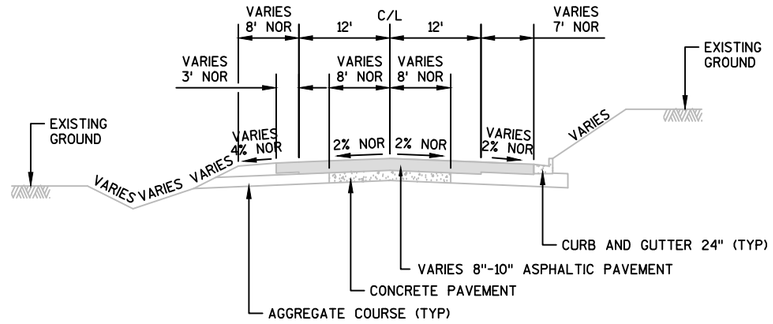
FILE NAME : N:\PDS\C3D\11467571\SHEETSPLAN\11467571\11467571_020201_PO.DWG
11467571_PLAN - 020201-PO

PLOT DATE : 8/6/2019 7:08 AM PLOT BY : SIMMONS, MASON A PLOT NAME : PLOT SCALE : 1 IN:1000 FT



EXISTING TYPICAL SECTION
STH 15

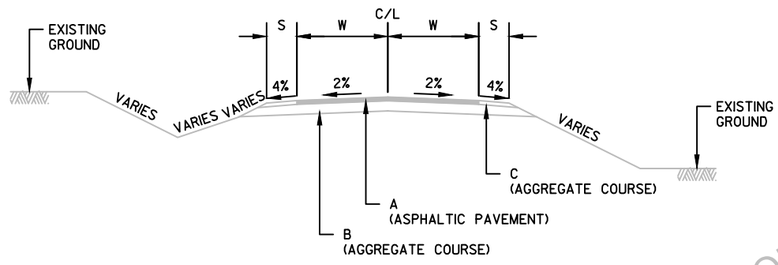
STA 219+50 TO STA 266+57
STA 50+00 TO STA 69+50 (OLD STH 15 WEST ALIGNMENT)



EXISTING TYPICAL SECTION
CTH M

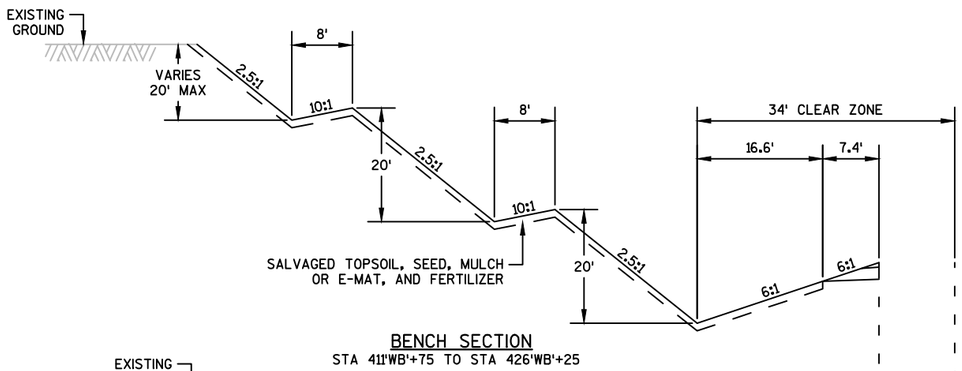
STA 18'M'+62.80 TO STA 19'M'+46

LOCAL ROADS					
ROAD	PAVEMENT		AGGREGATE SHOULDER		BASE
	WIDTH (W)	THICKNESS (A)	WIDTH (S)	THICKNESS (C)	THICKNESS (B)
CTH M	17'	4"	3'	4"	5"
CTH MM / N. CREST ST	13'	4"	2'	4"	5"

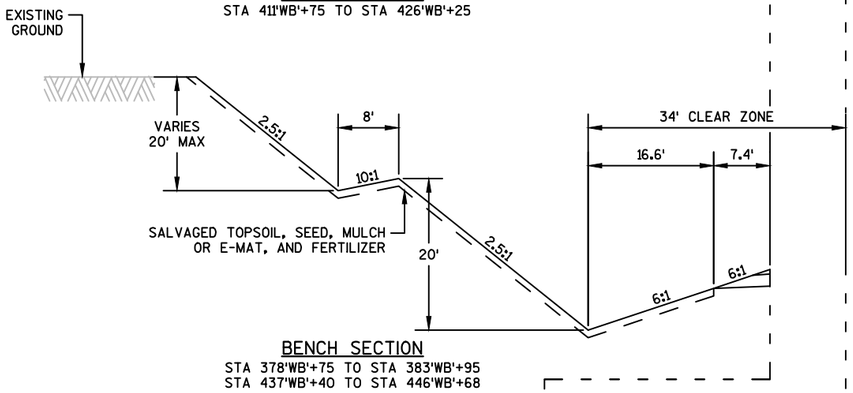


EXISTING TYPICAL SECTION
LOCAL ROADS - SEE TABLE

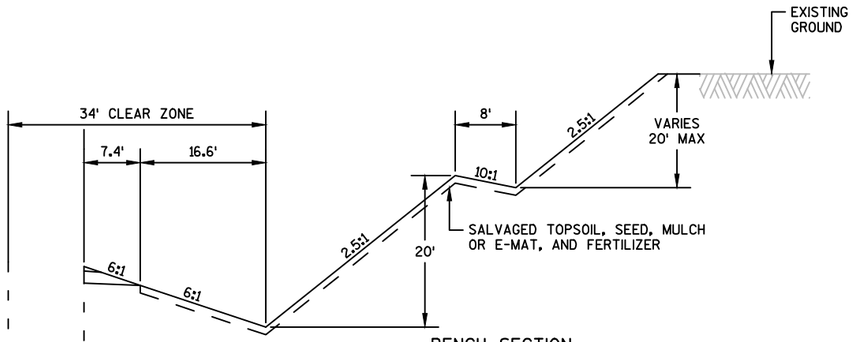
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OF UTILITY ADJUSTMENTS
OCTOBER 2019



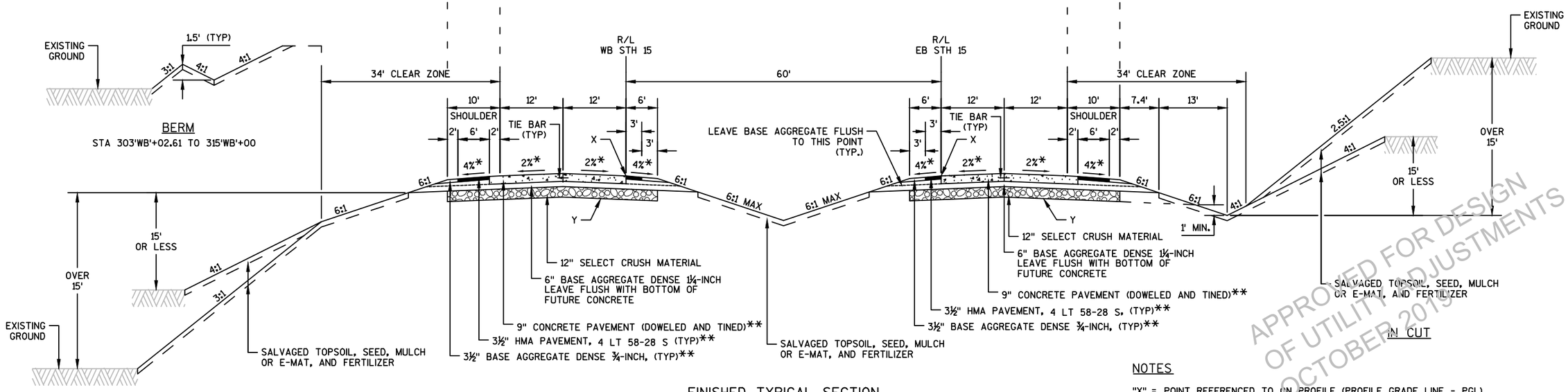
BENCH SECTION
STA 411'WB'+75 TO STA 426'WB'+25



BENCH SECTION
STA 378'WB'+75 TO STA 383'WB'+95
STA 437'WB'+40 TO STA 446'WB'+68



BENCH SECTION
STA 414'EB'+44 TO STA 426'EB'+25



FINISHED TYPICAL SECTION
STH 15

WEST BOUND
STA 275'WB'+00 TO 465'WB'+00

EAST BOUND
STA 275'EB'+00 TO 465'EB'+00

NOTES

"X" = POINT REFERENCED TO ON PROFILE (PROFILE GRADE LINE - PGL)
"Y" = SUBGRADE REFERRED TO ON CROSS SECTIONS
* CROSS SLOPE VARIES DUE TO SUPERELEVATION (SEE CROSS SECTIONS AND SUPERELEVATION TABLE FOR FURTHER DETAILS)
** WORK DONE BY OTHERS, STH 15 PAVEMENT ITEMS SHOWN FOR INFORMATION ONLY

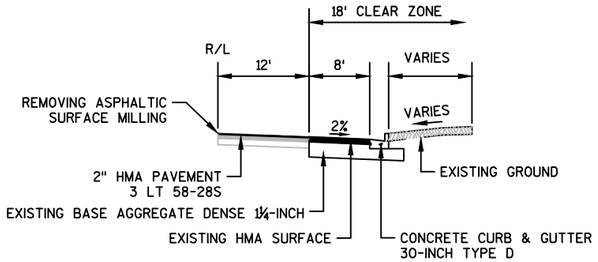
APPROVED FOR DESIGN OF UTILITY ADJUSTMENTS OCTOBER 2019

PROJECT NO: 114675-71	HWY: STH 15	COUNTY: OUTAGAMIE	TYPICAL SECTIONS - STH 15	SHEET E

PRE_5

LOCAL ROADS

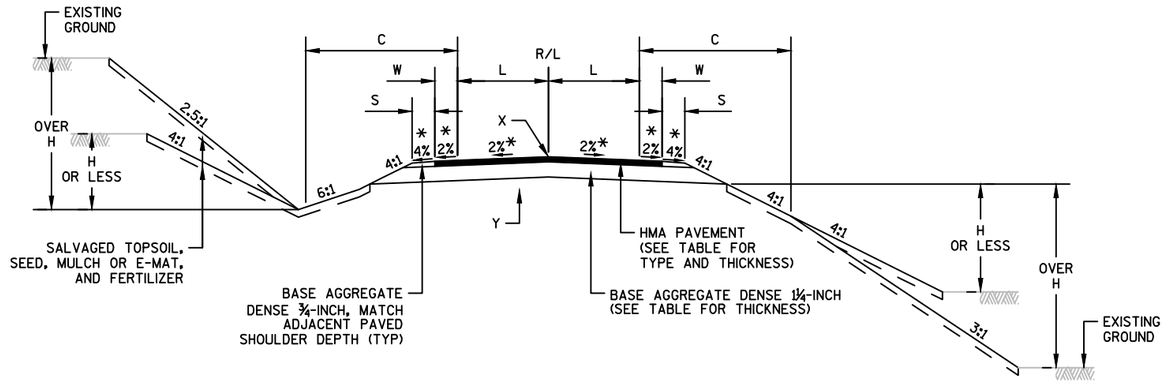
ROAD	PAVEMENT		AGGREGATE SHOULDER	CLEAR ZONE	SIDE SLOPE	PAVEMENT STRUCTURE				HMA PAVEMENT LAYER THICKNESS	
	LANE WIDTH (L)	SHOULDER WIDTH (W)	WIDTH (S)	WIDTH (C)	HEIGHT (H)	HMA TYPE	HMA THICKNESS	B.A.D. 1¼-INCH THICKNESS	SELECT CRUSH MATERIAL THICKNESS	UPPER LAYER	LOWER LAYER
CTH MM	12'	3'	3'	14'	10'	4 LT 58-28 S UPPER 3 LT 58-28 S LOWER	4.0"	12.0"	N/A	1 3/4"	2 1/4"
N. CREST ST CUL-DE-SAC	VARIES (MATCH 11')	1'	2'	10'	10'	4 LT 58-28 S UPPER 3 LT 58-28 S LOWER	4.0"	12.0"	N/A	1 3/4"	2 1/4"



FINISHED TYPICAL HALF SECTION

NASH STREET

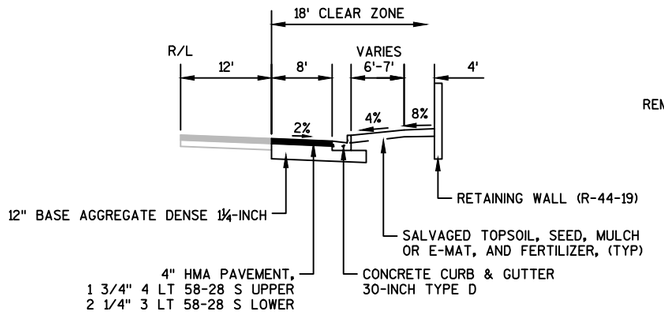
STA 107+00 TO STA 113+00



IN CUT IN FILL

FINISHED TYPICAL SECTION

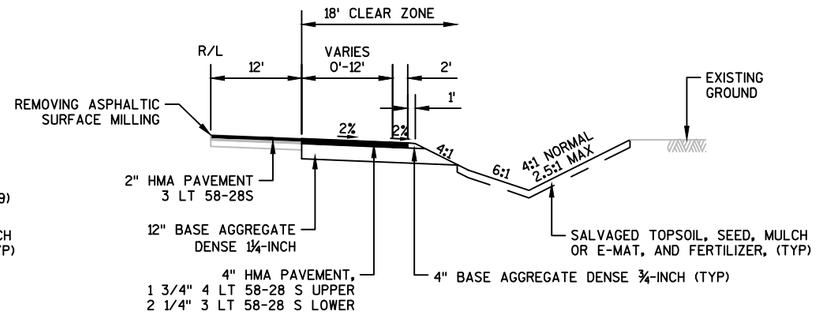
LOCAL ROADS - SEE TABLE



FINISHED TYPICAL HALF SECTION

CTH M

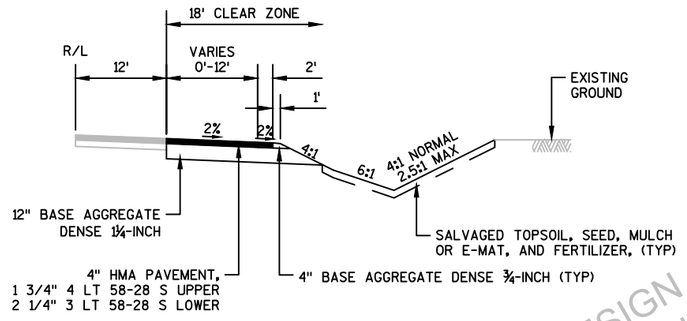
STA 18'M'+89 TO STA 23'M'+15



FINISHED TYPICAL HALF SECTION

CTH M

STA 23'M'+15 TO STA 28'M'+55



FINISHED TYPICAL HALF SECTION

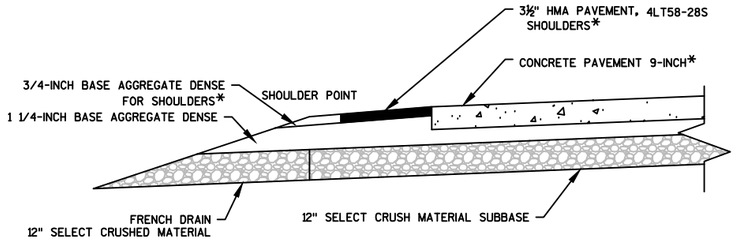
CTH M

STA 28'M'+55 TO STA 28'M'+71

NOTES

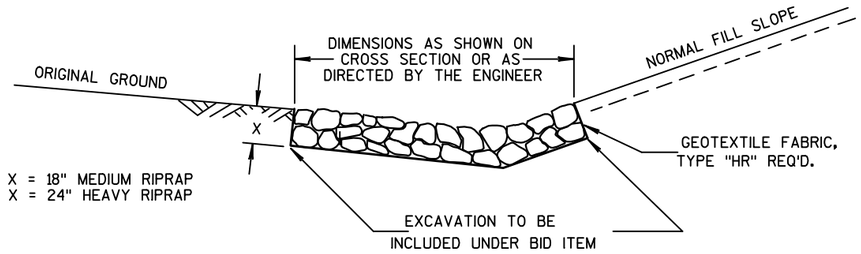
"X" = POINT REFERENCED TO ON PROFILE (PROFILE GRADE LINE - PGL)
"Y" = SUBGRADE REFERRED TO ON CROSS SECTIONS
* CROSS SLOPE VARIES DUE TO SUPERELEVATION (SEE CROSS SECTIONS AND SUPERELEVATION TABLE FOR FURTHER DETAILS)

APPROVED FOR DESIGN OF UTILITY ADJUSTMENTS OCTOBER 2019

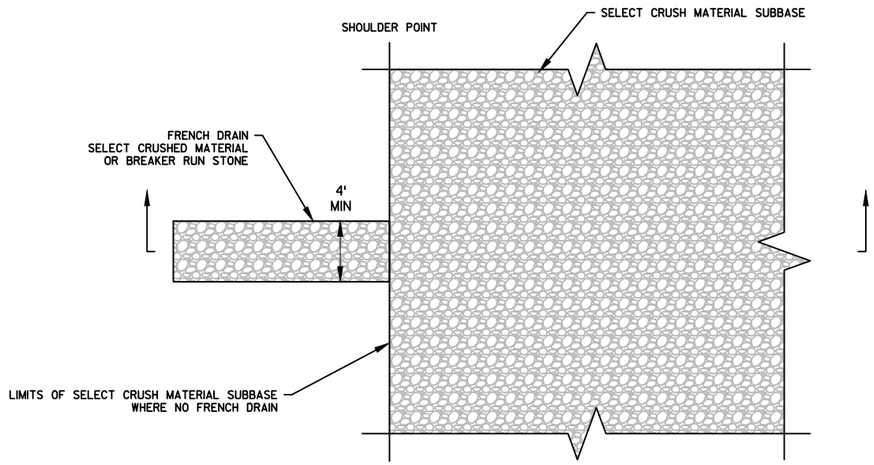


SECTION VIEW

* NOTES WORK DONE BY OTHERS



DETAIL FOR RIPRAP IN DITCHES



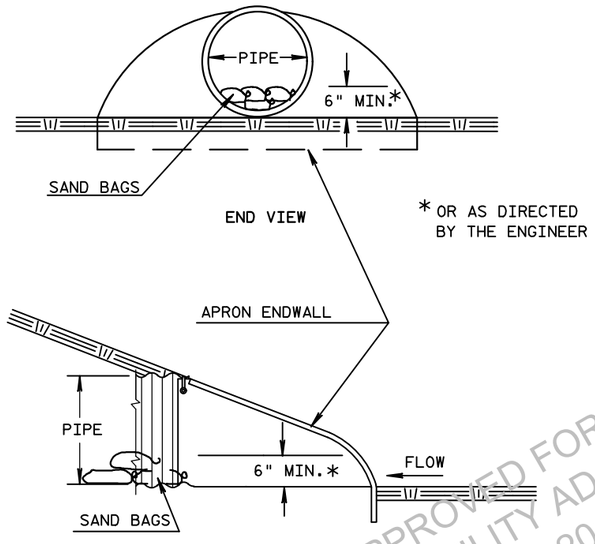
PLAN VIEW

FRENCH DRAIN DETAIL

DRAINS ARE TO BE CONSTRUCTED AT LEAST EVERY 250'
AND AT EACH LOW POINT OF A SAG VERTICAL CURVE IN THE PROFILE.

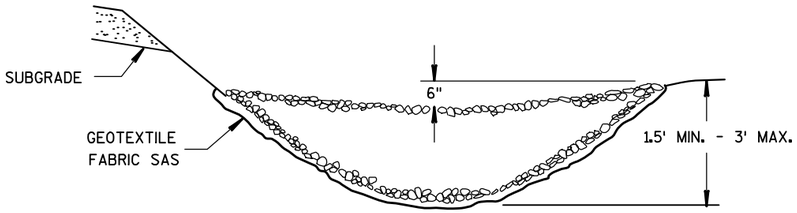
LOCATIONS TO BE DETERMINED IN THE FIELD BY THE ENGINEER.

EXCAVATION REQUIRED TO CONSTRUCT FRENCH DRAINS IS INCIDENTAL TO THE ITEM SELECT CRUSH MATERIAL.

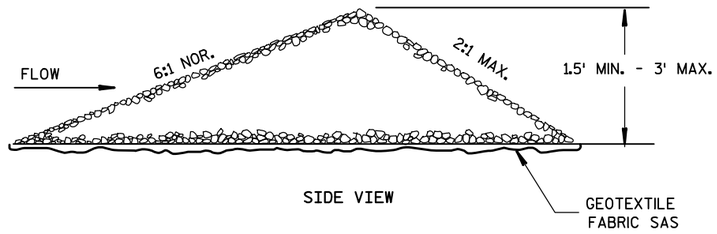


APPROVED FOR DESIGN OF UTILITY ADJUSTMENTS OCTOBER 2019

CULVERT PIPE DITCH CHECK

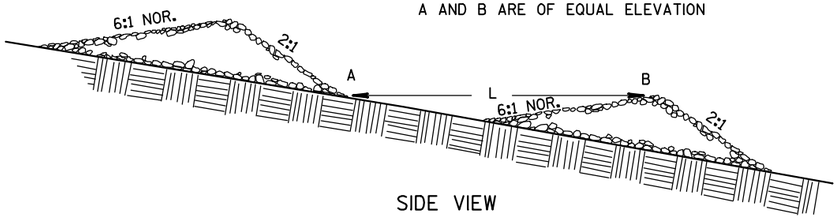


CROSS SECTIONAL VIEW



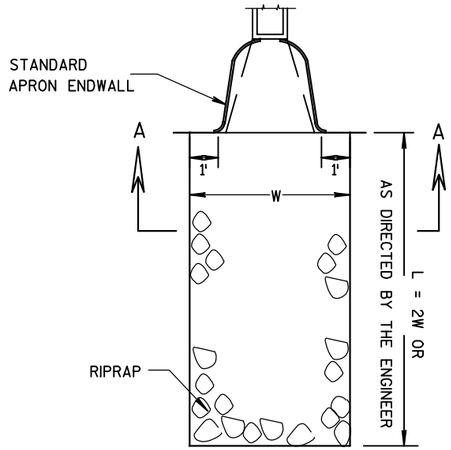
SIDE VIEW

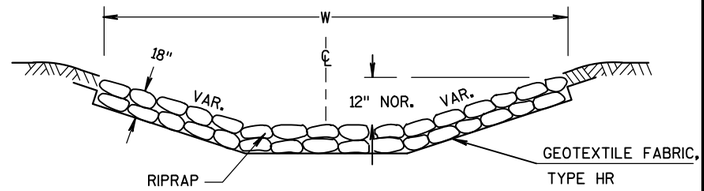
L = THE DISTANCE SUCH THAT POINTS
A AND B ARE OF EQUAL ELEVATION



SIDE VIEW

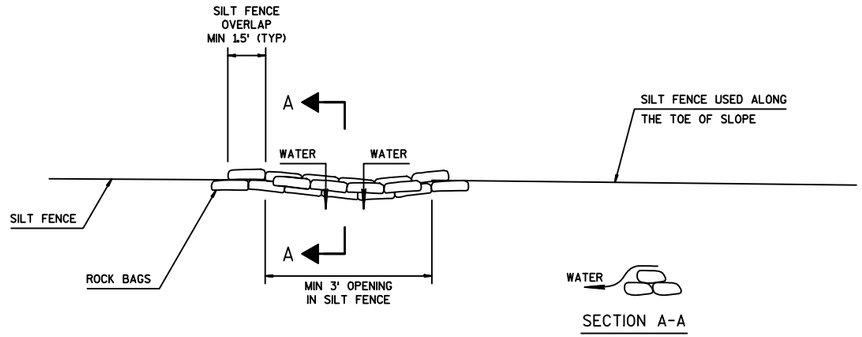
PERMANENT STONE DITCH CHECK





SECTION A-A

RIPRAP MEDIUM DETAIL AT APRON ENDWALLS

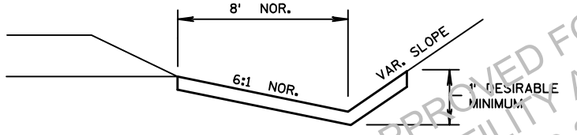


SECTION A-A

TOP VIEW

ROCK BAGS USED FOR SILT FENCE RELIEF DETAIL

PAID AS ROCK BAGS

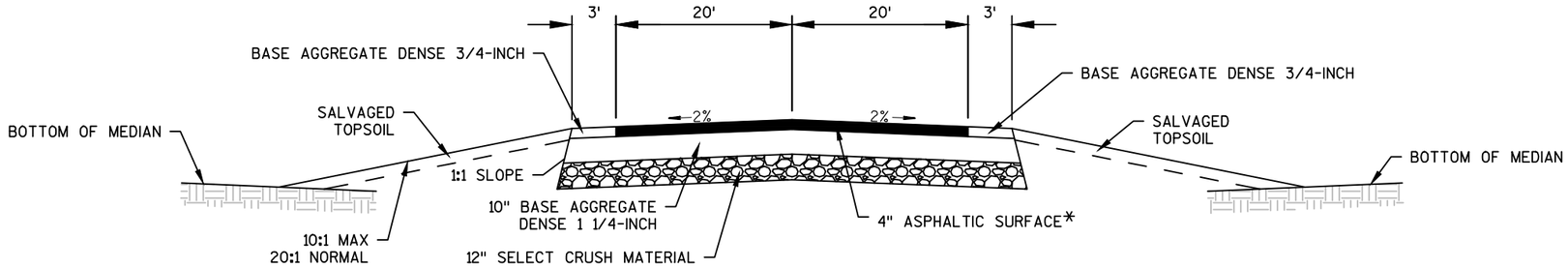


EROSION MAT DETAIL FOR DITCHES

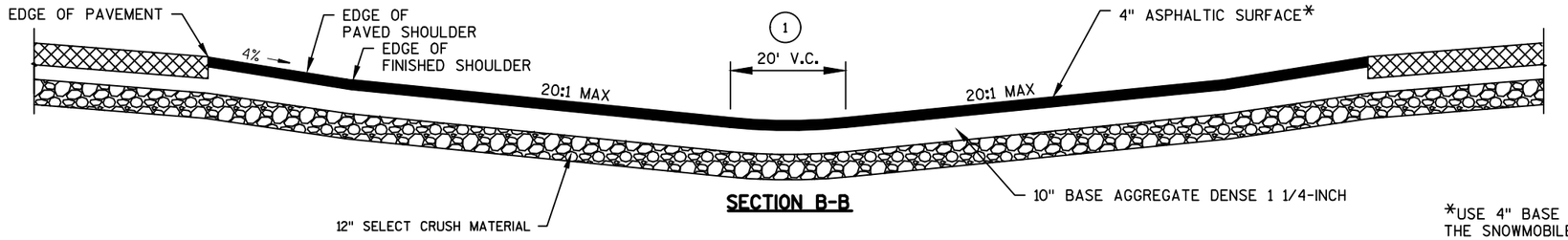
APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS
OCTOBER 2019

PROJECT NO:1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	EROSION CONTROL DETAILS	SHEET E

FILE NAME : N:\PDS\C3D\11467571\SHEETSPLAN\11467571\11467571_021001_CD.DWG
LAYOUT NAME - 021009_CD
PLOT DATE : 8/6/2019 7:09 AM
PLOT BY : SIMMONS, MASON A
PLOT NAME :
PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 42



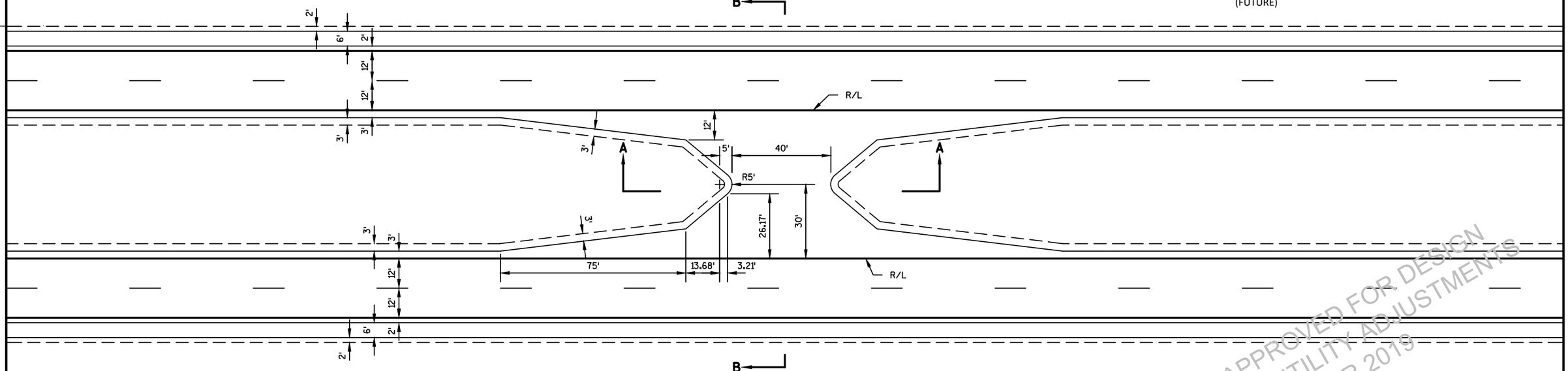
SECTION A-A



SECTION B-B

*USE 4" BASE AGGREGATE DENSE 3/4-INCH FOR THE SNOWMOBILE CROSSING STA 448'EB'+00

4" ASPHALTIC SURFACE, BASE AGGREGATE DENSE 3/4-INCH BY OTHERS (FUTURE)



APPROVED FOR DESIGN OF UTILITY ADJUSTMENTS OCTOBER 2019

GENERAL NOTES

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

MEDIAN CROSSING DETAIL (2)

STA 320'EB'+30
STA 346'EB'+60
STA 409'EB'+68
STA 448'EB'+00*

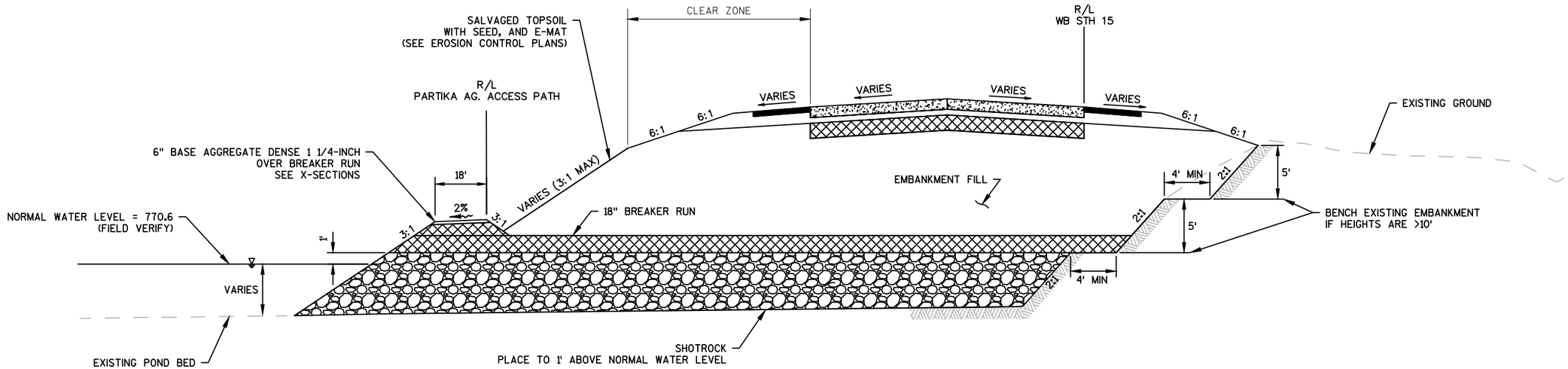
(1) ADJUST VERTICAL CURVE LOCATION LATERALLY TO MAINTAIN 20:1 MAX.

(2) SEE PERMANENT SIGNING PLAN FOR SIGN LOCATIONS.

PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	CONSTRUCTION DETAILS - MEDIAN CROSSINGS	SHEET E

PRE_9

FILE NAME : N:\PDS\C3D\11467571\SHEETSPLAN\11467571\11467571_021001_CD.DWG
11467571_PLAN - 021001_CD
PLOT DATE : 4/11/2019 8:20 AM PLOT BY : SIMMONS, MASON A PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

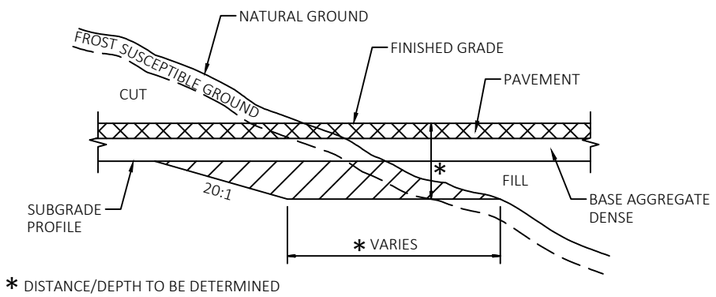


PARTIKA POND FILL DETAIL

STA 296'WB'+29 -297'WB'+84 (TYP.)

NOTE:

SEE CROSS SECTIONS FOR APPROXIMATE
POND DEPTHS AT EACH STATION



* DISTANCE/DEPTH TO BE DETERMINED BY ENGINEER IN THE FIELD

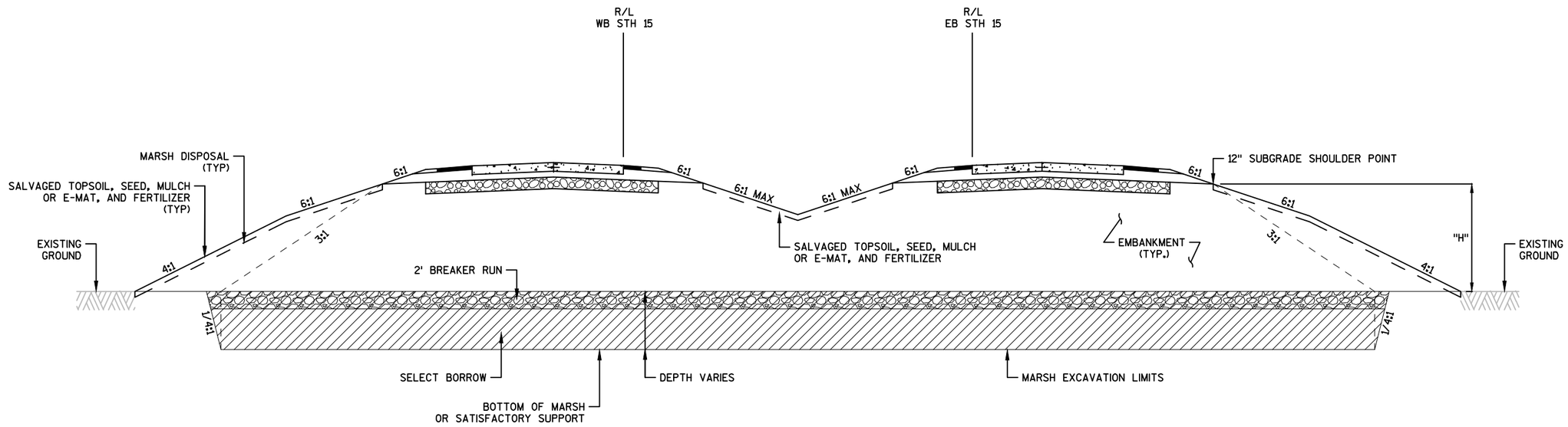
PROFILE VIEW

CUT/FILL TRANSITIONS

STA 375'WB'+50 - 376'WB'+50	STA 377'EB'+00 - 379'EB'+00
STA 384'WB'+50 - 385'WB'+50	STA 384'EB'+00 - 385'EB'+00
STA 403'WB'+00 - 404'WB'+50	STA 406'EB'+00 - 408'EB'+00
STA 427'WB'+00 - 428'WB'+00	STA 426'EB'+00 - 427'EB'+50
STA 448'WB'+00 - 449'WB'+00	STA 447'EB'+50 - 448'EB'+50
STA 460'WB'+00 - 462'WB'+00	STA 461'EB'+00 - 462'EB'+00

EXACT LOCATION OF EXCAVATION BELOW SUBGRADE (EBS) SHALL BE DETERMINED BY THE ENGINEER IN THE FIELD. EBS AREA TO BE BACKFILLED WITH MATERIAL ACCEPTABLE TO THE ENGINEER.

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OF UTILITY ADJUSTMENTS
OCTOBER 2019



MARSH EXCAVATION DETAIL

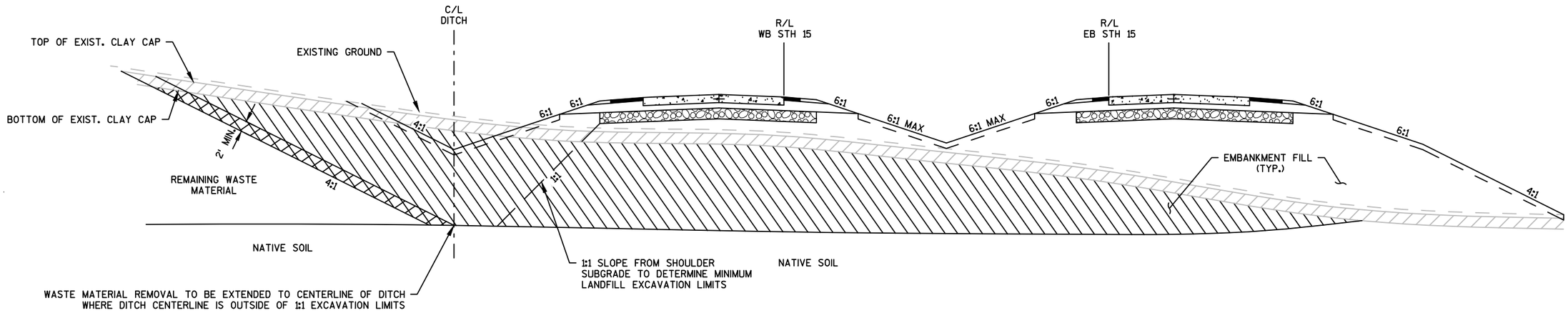
STH 15

WEST BOUND	EAST BOUND
STA 331'WB'+00 TO STA 359'WB'+00	STA 331'EB'+00 TO STA 359'EB'+00
STA 450'WB'+00 TO STA 458'WB'+00	STA 450'EB'+00 TO STA 458'EB'+00

NOTES:
1. LIMITS OF MARSH EXCAVATION SHALL EXTEND TO 3:1 SLOPE INTERCEPT AS A MINIMUM.
2. ROADWAY EMBANKMENT SHALL BE USED FOR BACKFILL BETWEEN NORMAL ROADWAY CORE (1:1 SLOPE INTERCEPT FROM SUBGRADE SHOULDER POINT) AND 3:1 SLOPE INTERCEPT.
3. MARSH DISPOSAL IS ALLOWED OUTSIDE OF 3:1 SLOPES PROJECT-WIDE WHERE FILL HEIGHT 'H' DOES NOT EXCEED 10'.

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OF UTILITY ADJUSTMENTS
OCTOBER 2019

2



LANDFILL WASTE REMOVAL DETAIL

APPROX. STA 431'WB'+75 TO STA 435'WB'+05
APPROX. STA 432'EB'+35 TO STA 435'EB'+25

LEGEND

- LANDFILL MATERIAL TO BE REMOVED
- NEW CLAY CAP (INCLUDES LANDFILL MATERIAL REMOVAL)
- EXISTING CLAY CAP

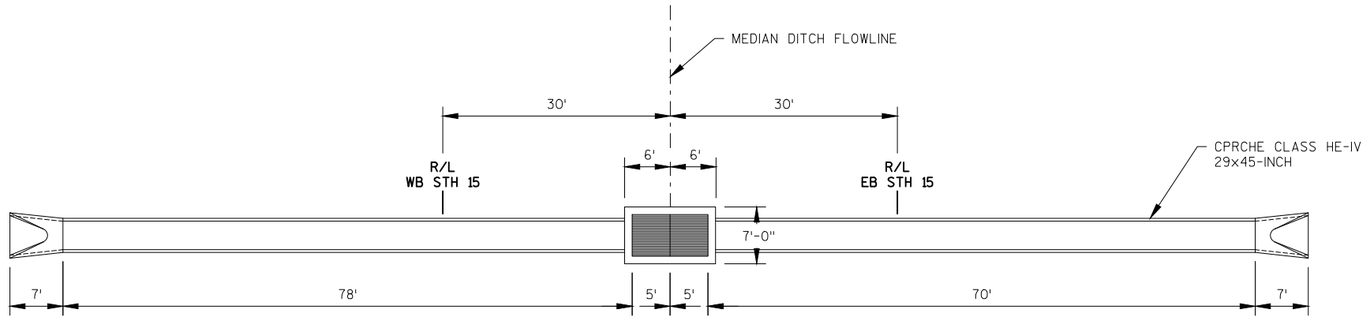
NOTES:

1. CONTRACTOR SHALL NOTIFY THE DNR WITHIN 10 DAYS OF THE INITIATION OF WASTE REMOVAL.
2. STORM WATER IS PROHIBITED FROM BEING IN CONTACT WITH SOLID WASTE DURING OR AFTER THIS WORK.
3. TOPSOIL AND/OR CLAY CAP REMOVED DURING CONSTRUCTION IS ASSUMED TO BE UN-IMPACTED AND HAS UNRESTRICTED USE.
4. NEW CLAY CAP IS REQUIRED ONLY OVER AREAS OF REMAINING WASTE.
5. PERFORM RE-GRADING AND REPLACEMENT OF THE CLAY CAP AND TOP SOIL COVER IN ACCORDANCE WITH NR 505 AND NR 504.
6. COMPLETE SEEDING IN ACCORDANCE WITH NR 506.08 WITHIN 30 DAYS OF COVER PLACEMENT.
7. SEE SPECIAL PROVISIONS FOR ADDITIONAL INFORMATION.

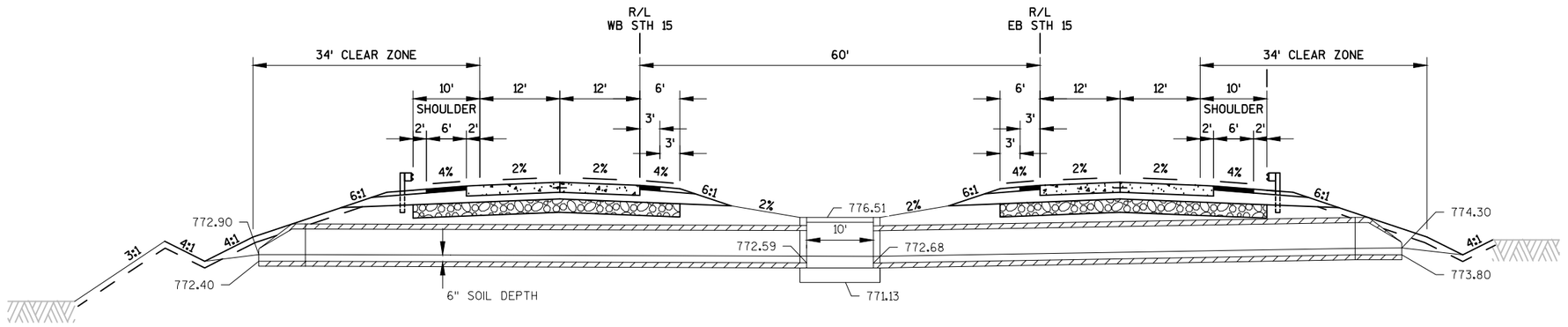
APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS
OCTOBER 2019

PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	LANDFILL WASTE REMOVAL DETAIL	SHEET E

FILE NAME : N:\PDS\C3D\11467571\SHEETSPLAN\11467571\11467571_021001_CD.DWG
LAYOUT NAME - 021015_CD
PLOT DATE : 5/15/2017 2:34 PM PLOT BY : SPIELMACHER, JOHN P PLOT NAME : PLOT SCALE : 1 IN:20 FT
WISDOT/CADDS SHEET 42



PLAN STH 15 - STA 309+00



LONGITUDINAL SECTION STH 15 - STA 309+00

DESIGN DATA

ULTIMATE DESIGN STRESSES:

CONCRETE MASONRY	f'c=	3,500 p.s.i.
HIGH STRENGTH 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.

GENERAL NOTES:

DRAWINGS SHALL NOT BE SCALED.

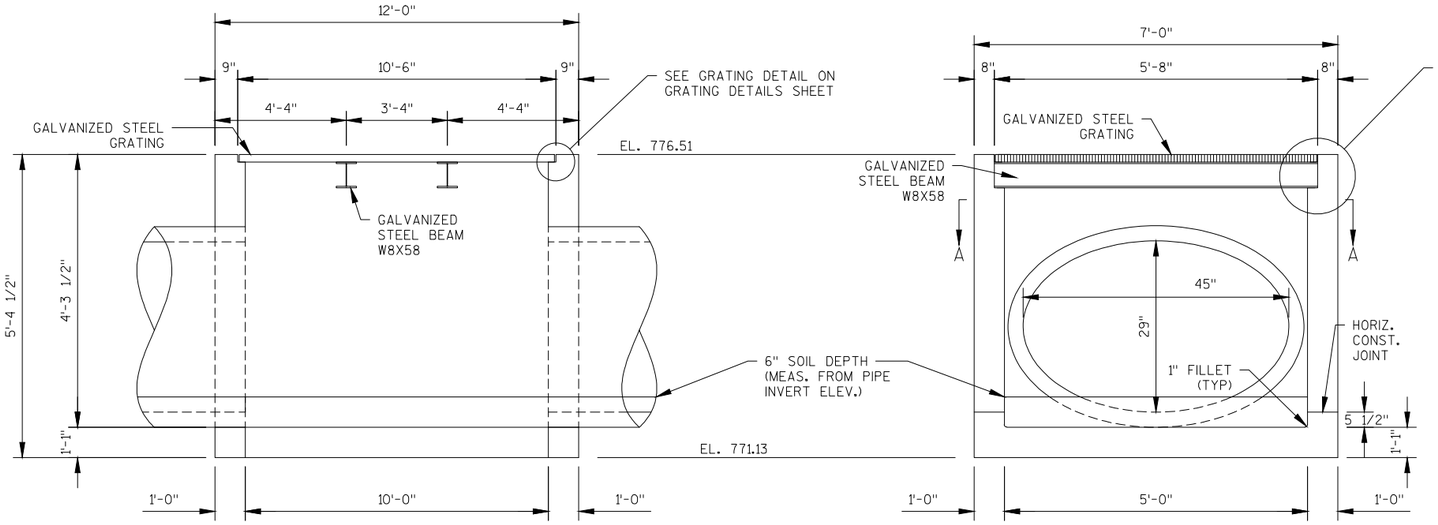
BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2" CLEAR UNLESS SHOWN OR NOTED ELSEWHERE.

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

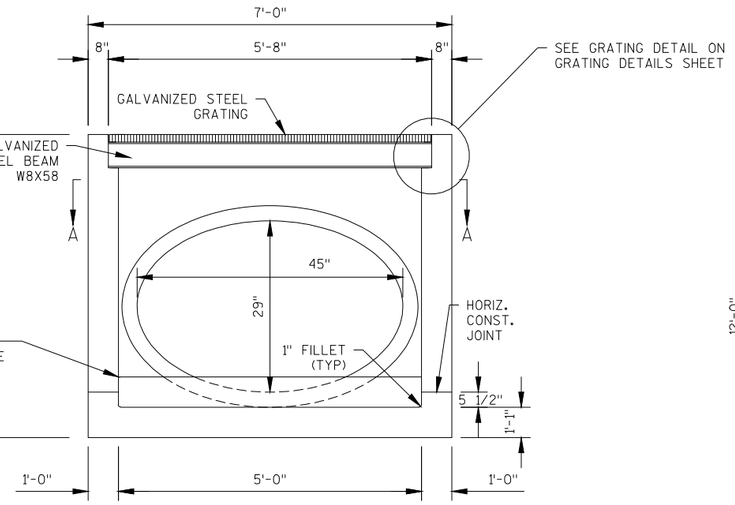
APPROVED FOR DESIGN QUALITY ADJUSTMENTS OCTOBER 2019

PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	ECO PASSAGE STRUCTURE PLAN & LONG. SECTION	SHEET E

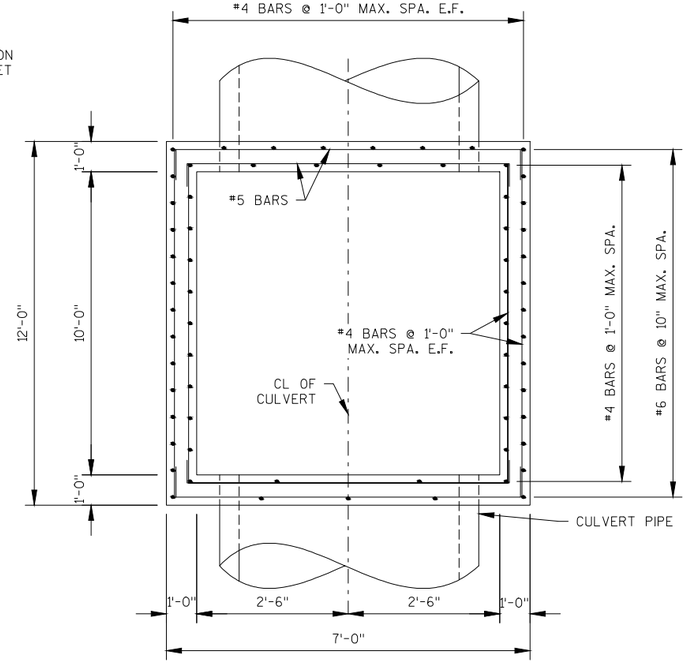
FILE NAME : N:\PDS\C3D\11467571\SHEETSPLAN\11467571\11467571_021001_CD.DWG
LAYOUT NAME - 021013_CD
PLOT DATE : 2/21/2017 10:01 AM PLOT BY : SPIELMACHER, JOHN P PLOT NAME : PLOT SCALE : 1 IN:20 FT
WISDOT/CADDS SHEET 42



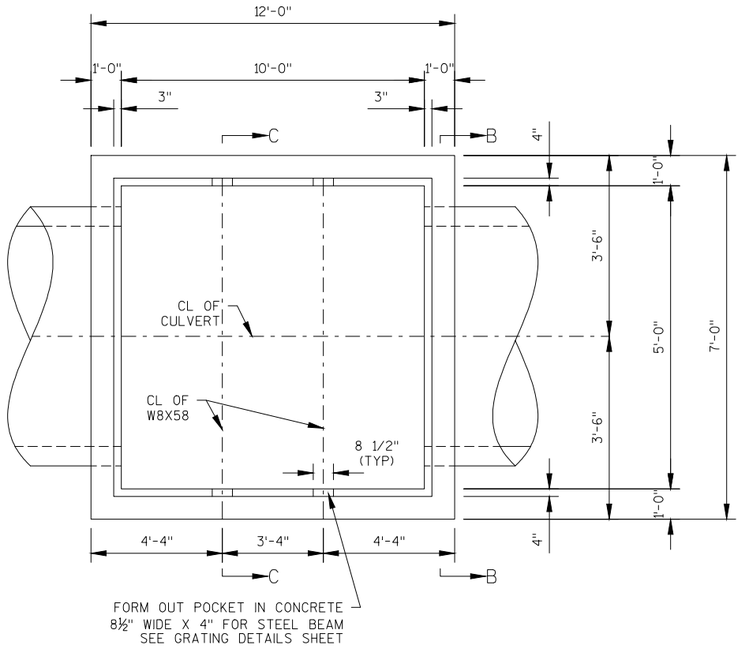
LONG. SECTION THRU MEDIAN INLET



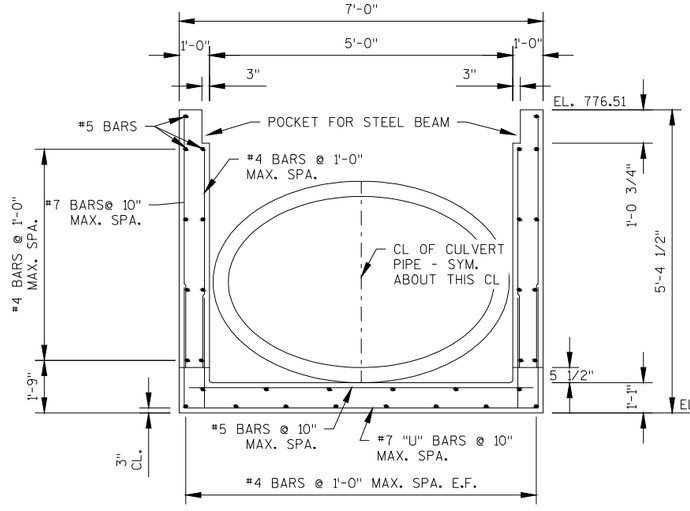
CROSS SECTION THRU MEDIAN INLET



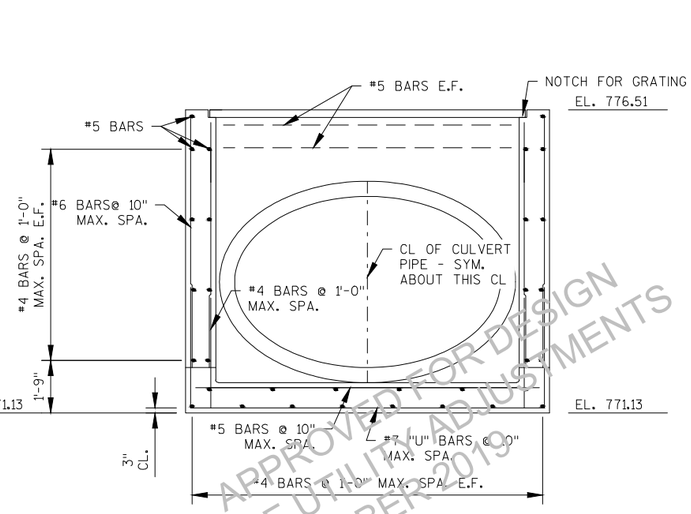
SECTION A



PLAN OF MEDIAN INLET



SECTION C



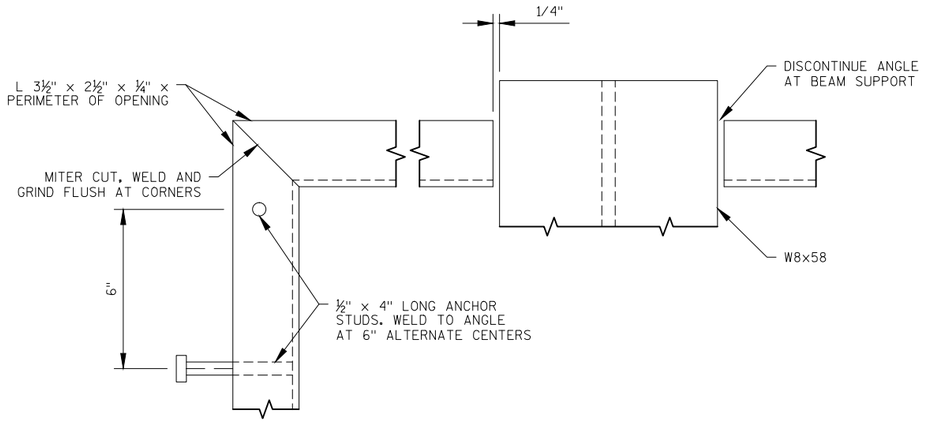
SECTION B

APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS
OCTOBER 2019

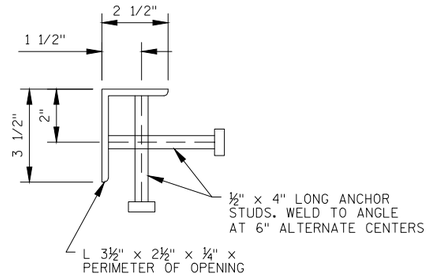
NOTE: E.F. DENOTES EACH FACE

PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	ECO PASSAGE STRUCTURE SECTIONS	SHEET E

PRE_14

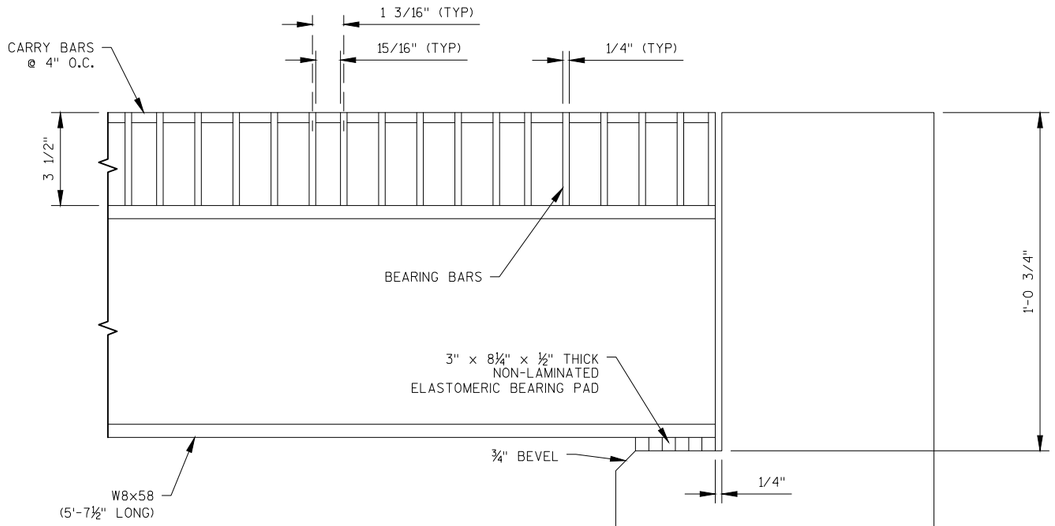


PLAN AT MEDIAN INLET

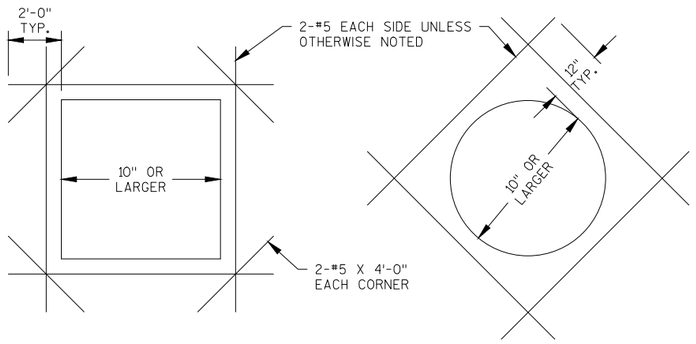


SECTION

BEARING ANGLE



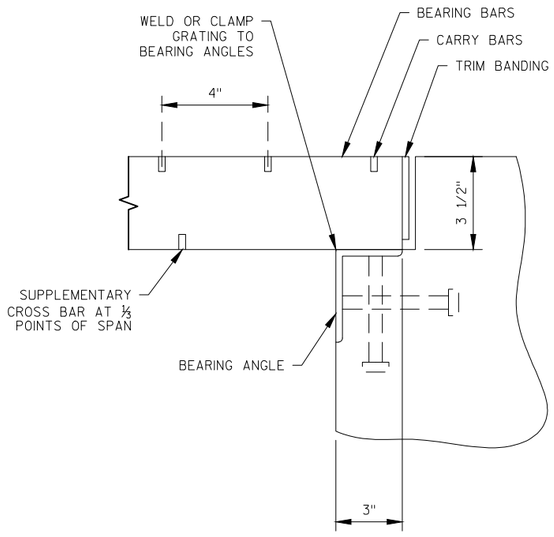
GRATING DETAIL @ MEDIAN INLET



SUPPLEMENTARY REINFORCEMENT AT WALL OPENINGS

NOTE:

PROVIDE SUPPLEMENTARY REINFORCEMENT
FOR EACH LAYER OF REINFORCEMENT.



BEARING BAR SUPPORT DETAIL

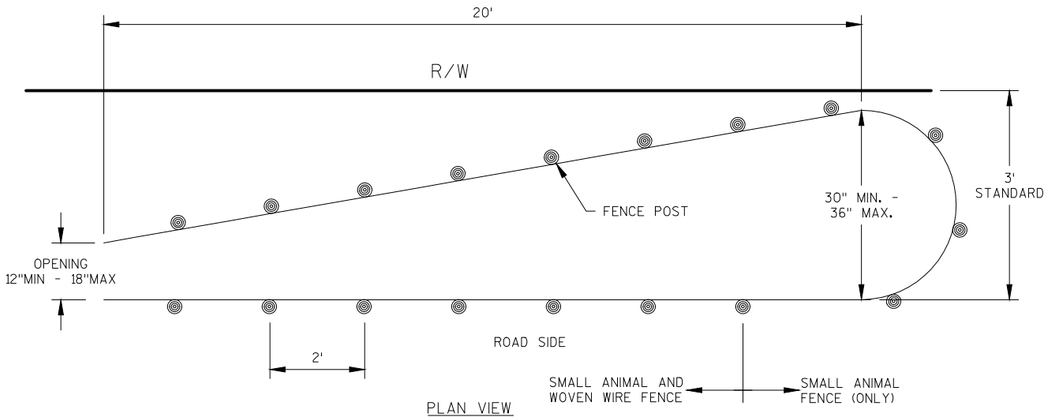
STEEL GRATING NOTES:

1. GRATING OPEN AREAS EQUAL 72%.
2. MAXIMUM CLEAR SPAN FOR GRATING EQUALS 3'-2".
3. STEEL GRATING SHALL SUPPORT AN HS20 WHEEL LOAD WITH AN IMPACT FACTOR OF 1.3.
4. GRATING SHALL BEAR FLUSH ON SUPPORT BEAM AND ON ANGLES AT ENDS OF BEARING BARS.
5. GRATING, SUPPORT BEAM, AND BEARING ANGLES SHALL CONFORM TO AASHTO M270 (ASTM A709) GRADE 50. ALL MATERIAL SHALL BE GALVANIZED.
6. PROVIDE SUPPLEMENTARY CROSS BARS AT ⅓ POINTS OF SPANS ON UNDERSIDE OF GRATING.
7. SUPPLY TRIM BANDING AT END OF GRATING PANELS WELDED FLUSH WITH THE TOP OF GRATING AND ¼" LESS THAN THE DEPTH OF GRATING.

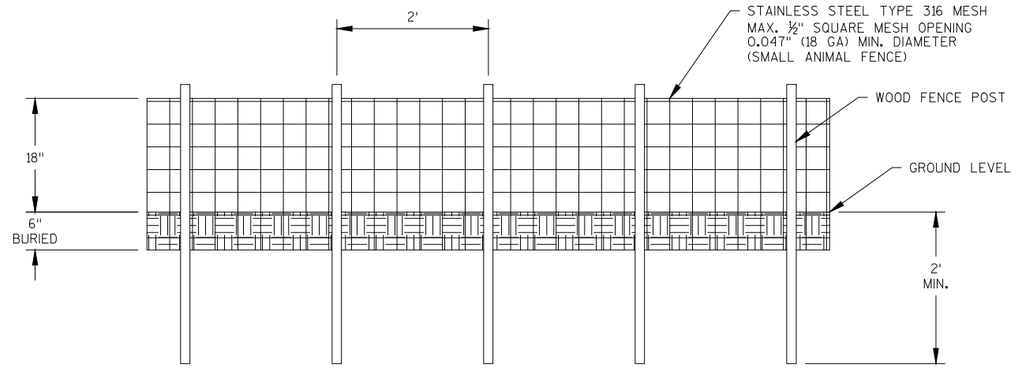
APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS
OCTOBER 2019

PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	ECO PASSAGE STRUCTURE GRATING DETAILS	SHEET E

PRE_15

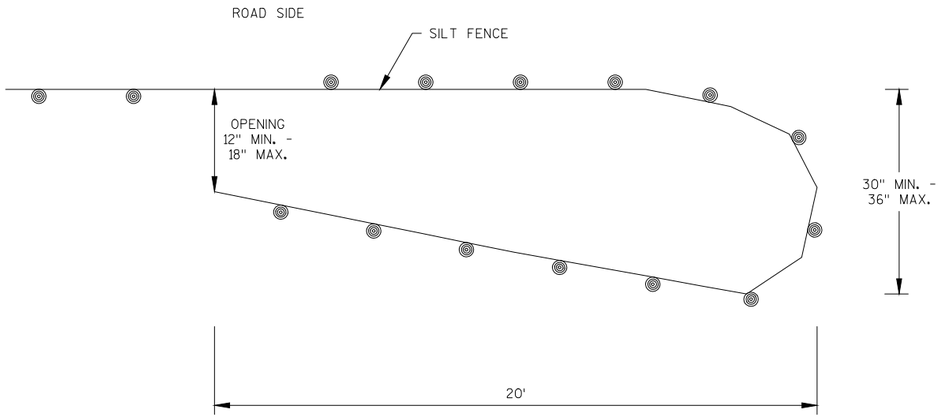


PLAN VIEW



PROFILE VIEW
SMALL ANIMAL FENCE

PERMANENT SMALL ANIMAL FENCE AND TURN-AROUND DETAIL

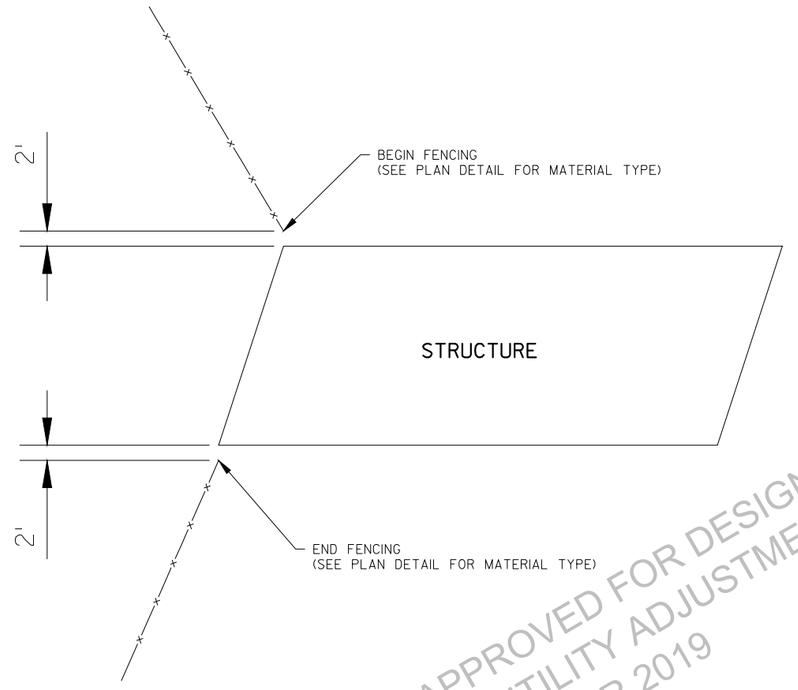


PLAN VIEW

GENERAL NOTES:

THE PURPOSE OF THE TURTLE TURN-AROUNDS ARE TO REDIRECT THE TURTLES AWAY FROM THE CONSTRUCTION ZONE. DESIGN SHOULD ALSO INCLUDE TRENCHED-IN SEDIMENT FENCING AND FENCING SUPPORTS ON THE UPSLOPE SIDE OF THE FENCE. SILT FENCE POSTS FOR THE TURN-AROUNDSHOULD BE ON THE OUTSIDE OF THE TURN-AROUND.

TEMPORARY TURTLE TURN-AROUND DETAIL



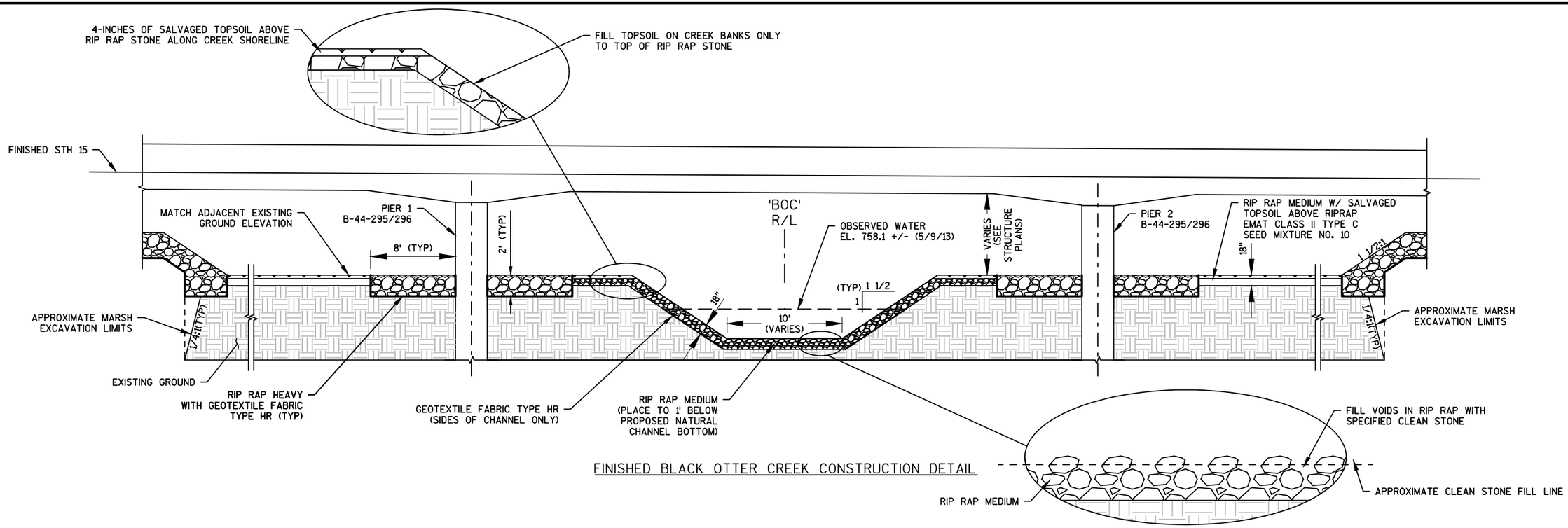
APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS
OCTOBER 2019

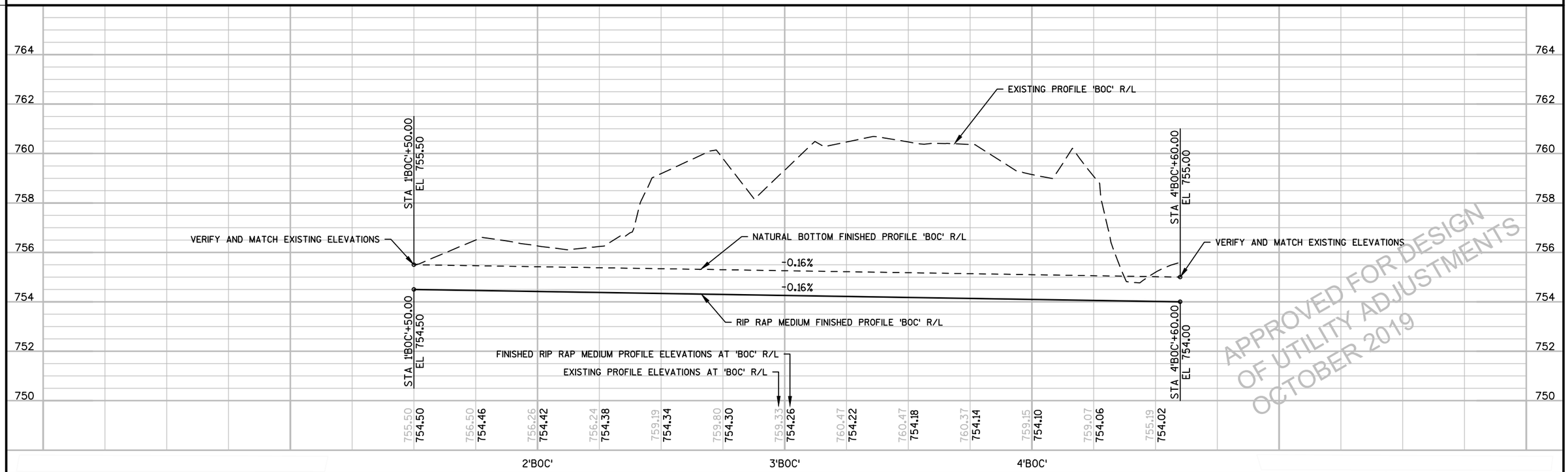
FENCE DETAIL AT STRUCTURES

PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	CONSTRUCTION DETAIL - FENCING	SHEET E

FILE NAME : N:\PDS\C3D\11467571\SHEETSPLAN\11467571\11467571_021001_CD.DWG
LAYOUT NAME - 021010_CD
PLOT DATE : 8/7/2019 3:22 PM PLOT BY : SIMMONS, MASON A PLOT NAME : PLOT SCALE : 1 IN:20 FT
WISDOT/CADDS SHEET 42

2





APPROVED FOR DESIGN OF UTILITY ADJUSTMENTS OCTOBER 2019

PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	CONSTRUCTION DETAIL - BLACK OTTER CREEK REALIGNMENT	SHEET E

FILE NAME : N:\PDS\C3D\11467571\SHEETSPLAN\11467571\11467571_021019_CD.DWG
LAYOUT NAME - 021019_CD
PLOT DATE : 11/13/2017 12:15 PM PLOT BY : SIMMONS, MASON A PLOT NAME : PLOT SCALE : 1" = 10'_XREF
WISDOT/CADDS SHEET 44

END 'BOC' ALIGNMENT
Y=593279.3125
X=764184.6184

SEE PIKE SCRAPE DETAIL FOR ELEVATION CONTOURS

TEMPORARY SHORING (TYP.)

SILT FENCE (SEE TEMPORARY EROSION CONTROL PLAN)

R/W

LIMITS OF MEDIUM RIP RAP WITH SALVAGED TOPSOIL ABOVE RIPRAP (TYP)

RIP RAP HEAVY

4BOC

PROPOSED B-44-296

339WB

340WB

341WB

STH 15 WB R/L

EMAT CLASS II TYPE C SEED MIXTURE NO. 10 (TYP.)

RIP RAP HEAVY

PROPOSED B-44-295

PRIVATE STRUCTURE

339EB

340EB

341EB

STH 15 EB R/L

SLOPE INTERCEPT (TYP.)

2BOC

R/W

'BOC' R/L

APPROX. MARSH EXCAVATION LIMITS

BEGIN 'BOC' ALIGNMENT
Y=593013.3761
X=764330.3133

BLACK OTTER CREEK

STAGE 1

EXCAVATE MARSH SOILS AND CONSTRUCT REALIGNED CHANNEL. CONSTRUCT PIKE SCRAPE ON EAST SIDE OF CREEK.

SWITCHING STAGES

REMOVE DOWNSTREAM SHEETING TO ALLOW NEW STREAM BED TO FILL WITH WATER. REMOVE UPSTREAM SHEETING.

END 'BOC' ALIGNMENT
Y=593279.3125
X=764184.6184

SILT FENCE (SEE TEMPORARY EROSION CONTROL PLAN)

'BOC' R/L

R/W

SEE PIKE SCRAPE DETAIL FOR ELEVATION CONTOURS

SLOPE INTERCEPT (TYP.)

APPROXIMATE MARSH EXCAVATION LIMITS

RIP RAP HEAVY

4BOC

PROPOSED B-44-296

STH 15 WB R/L

339WB

340WB

341WB

EMAT CLASS II TYPE C SEED MIXTURE NO. 10 (TYP.)

RIP RAP HEAVY

STH 15 EB R/L

339EB

340EB

341EB

REMOVE PRIVATE STRUCTURE

PROPOSED B-44-295

LIMITS OF MEDIUM RIP RAP WITH SALVAGED TOPSOIL ABOVE RIPRAP (TYP)

2BOC

TEMPORARY SHORING

R/W

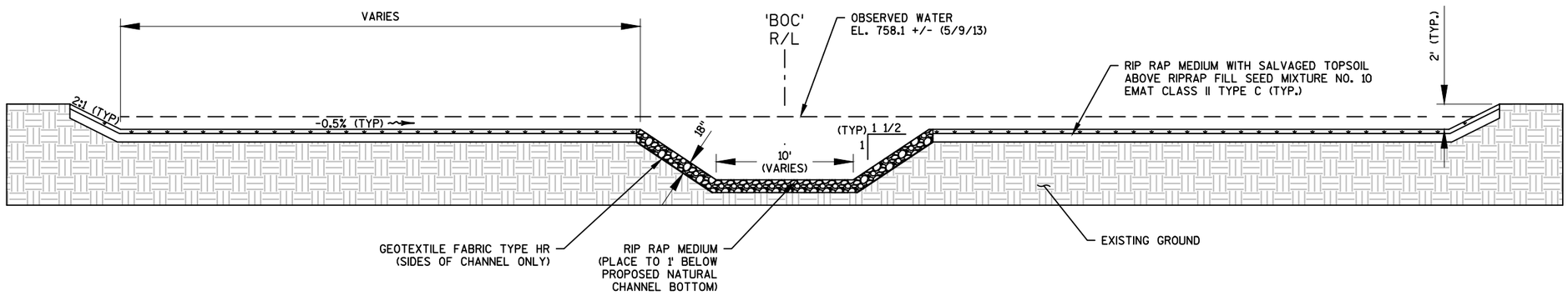
BEGIN 'BOC' ALIGNMENT
Y=593013.3761
X=764330.3133

BLACK OTTER CREEK

APPROVED FOR DESIGN OF UTILITY ADJUSTMENTS OCTOBER 2018

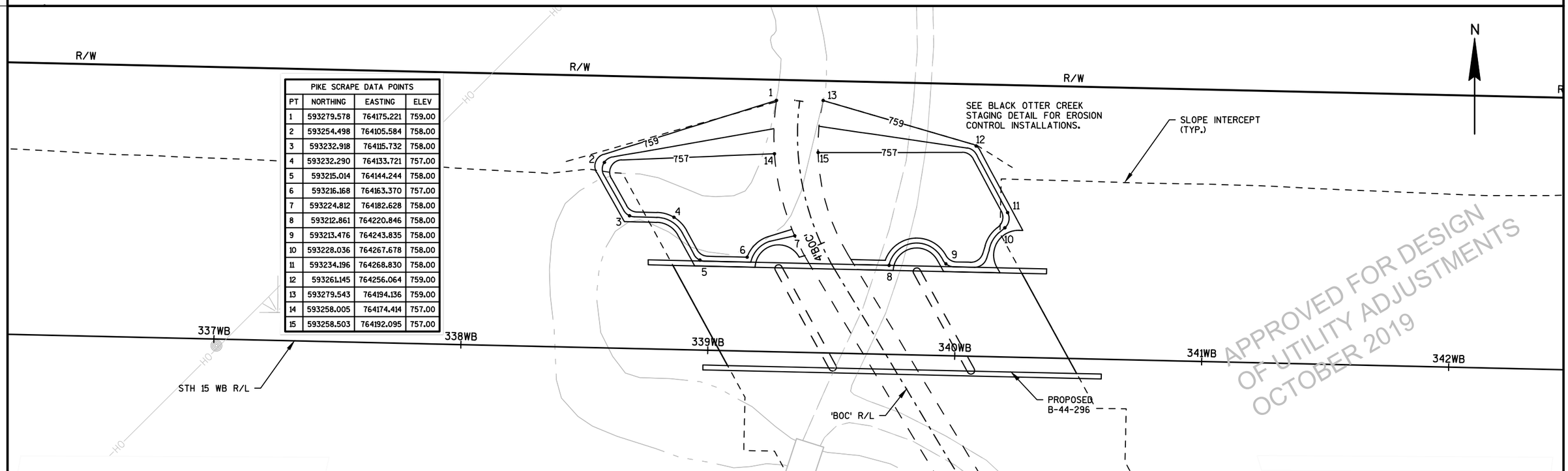
STAGE 2

PLACE SHEETING ALONG NEW CHANNEL AND EXCAVATE MARSH SOILS TO THE WEST OF REALIGNED BLACK OTTER CREEK. CONSTRUCT PIKE SCRAPE ON WEST SIDE OF CREEK.



PIKE SCRAPE DETAIL

PIKE SCRAPE DATA POINTS			
PT	NORTHING	EASTING	ELEV
1	593279.578	764175.221	759.00
2	593254.498	764105.584	758.00
3	593232.918	764115.732	758.00
4	593232.290	764133.721	757.00
5	593215.014	764144.244	758.00
6	593216.168	764163.370	757.00
7	593224.812	764182.628	758.00
8	593212.861	764220.846	758.00
9	593213.476	764243.835	758.00
10	593228.036	764267.678	758.00
11	593234.196	764268.830	758.00
12	593261.145	764256.064	759.00
13	593279.543	764194.136	759.00
14	593258.005	764174.414	757.00
15	593258.503	764192.095	757.00



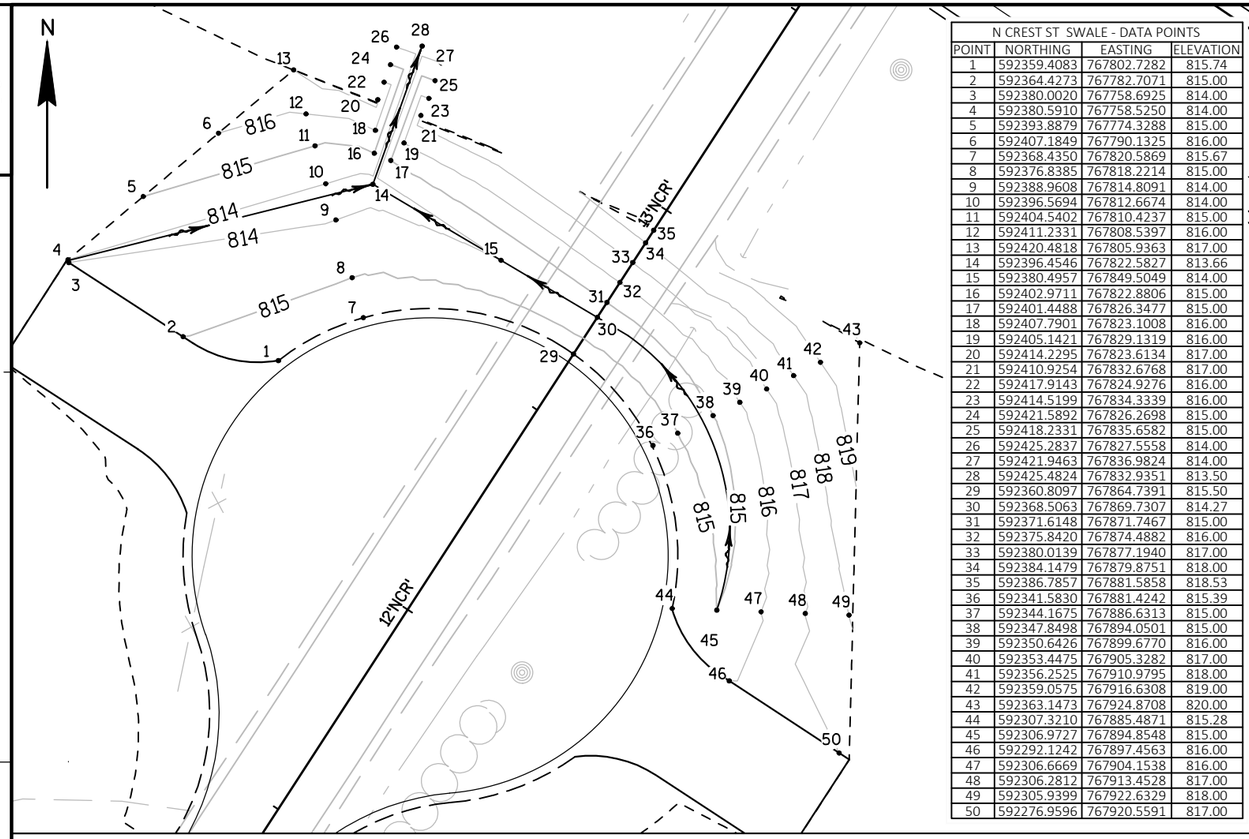
PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	CONSTRUCTION DETAIL - BLACK OTTER CREEK PIKE SCRAPE	SHEET E

PRE_19

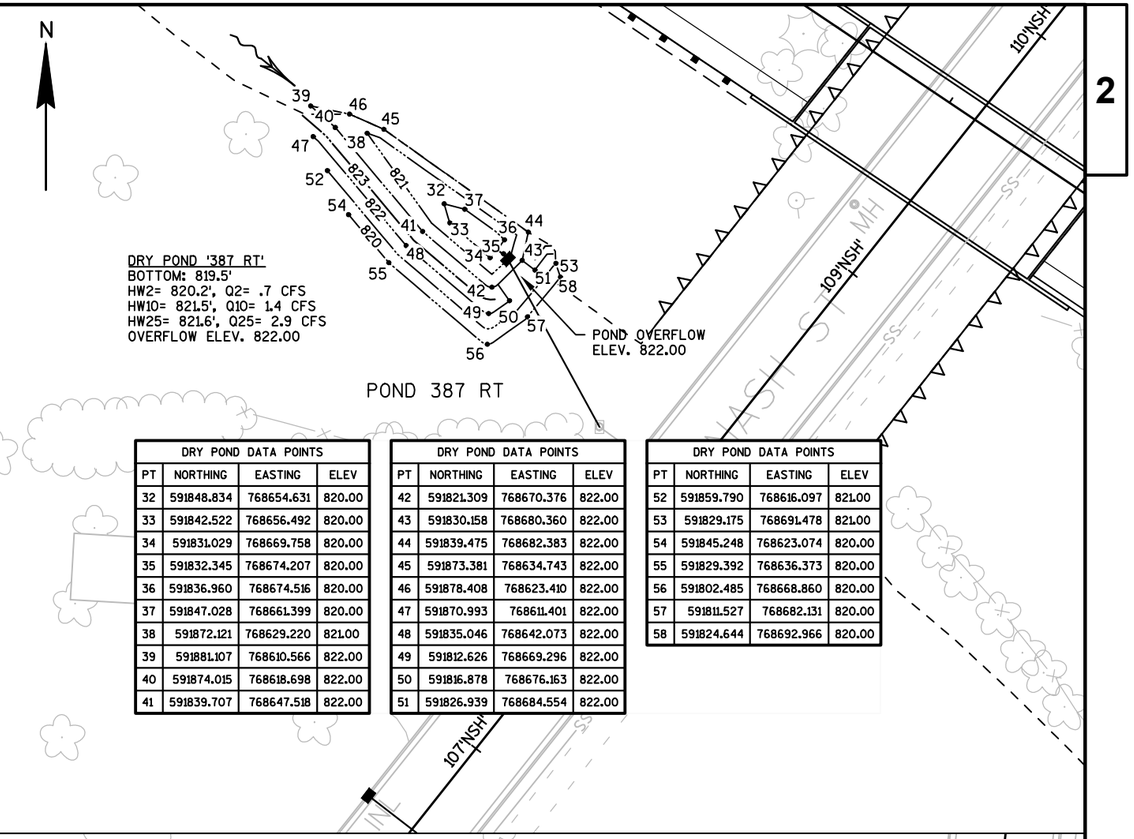
FILE NAME : N:\PDS\C3D\11467571\SHEETSPLAN\11467571\11467571_021019_CD.DWG
LAYOUT NAME - 021021_CD

PLOT DATE : 11/13/2017 7:49 AM PLOT BY : SIMMONS, MASON A PLOT NAME : PLOT SCALE : 1" = 10'_XREF

WISDOT/CADDS SHEET 44



N CREST ST SWALE - DATA POINTS			
POINT	NORTHING	EASTING	ELEVATION
1	592359.4083	767802.7282	815.74
2	592364.4273	767782.7071	815.00
3	592380.0020	767758.6925	814.00
4	592380.5910	767758.5250	814.00
5	592393.8879	767774.3288	815.00
6	592407.1849	767790.1325	816.00
7	592368.4350	767820.5869	815.67
8	592376.8385	767818.2214	815.00
9	592388.9608	767814.8091	814.00
10	592396.5694	767812.6674	814.00
11	592404.5402	767810.4237	815.00
12	592411.2331	767808.5397	816.00
13	592420.4818	767805.9363	817.00
14	592396.4546	767822.5827	813.66
15	592380.4957	767849.5049	814.00
16	592402.9711	767822.8806	815.00
17	592401.4488	767826.3477	815.00
18	592407.7901	767823.1008	816.00
19	592405.1421	767829.1319	816.00
20	592414.2295	767823.6134	817.00
21	592410.9254	767832.6768	817.00
22	592417.9143	767824.9276	816.00
23	592414.5199	767834.3339	816.00
24	592421.5892	767826.2698	815.00
25	592418.2331	767835.6582	815.00
26	592425.2837	767827.5558	814.00
27	592421.9463	767836.9824	814.00
28	592425.4824	767832.9351	813.50
29	592360.8097	767864.7391	815.50
30	592368.5063	767869.7307	814.27
31	592371.6148	767871.7467	815.00
32	592375.8420	767874.4882	816.00
33	592380.0139	767877.1940	817.00
34	592384.1479	767879.8751	818.00
35	592386.7857	767881.5858	818.53
36	592341.5830	767881.4242	815.39
37	592344.1675	767886.6313	815.00
38	592347.8498	767894.0501	815.00
39	592350.6426	767899.6770	816.00
40	592353.4475	767905.3282	817.00
41	592356.2525	767910.9795	818.00
42	592359.0575	767916.6308	819.00
43	592363.1473	767924.8708	820.00
44	592307.3210	767885.4871	815.28
45	592306.9727	767894.8548	815.00
46	592292.1242	767897.4563	816.00
47	592306.6669	767904.1538	816.00
48	592306.2812	767913.4528	817.00
49	592305.9399	767922.6329	818.00
50	592276.9596	767920.5591	817.00



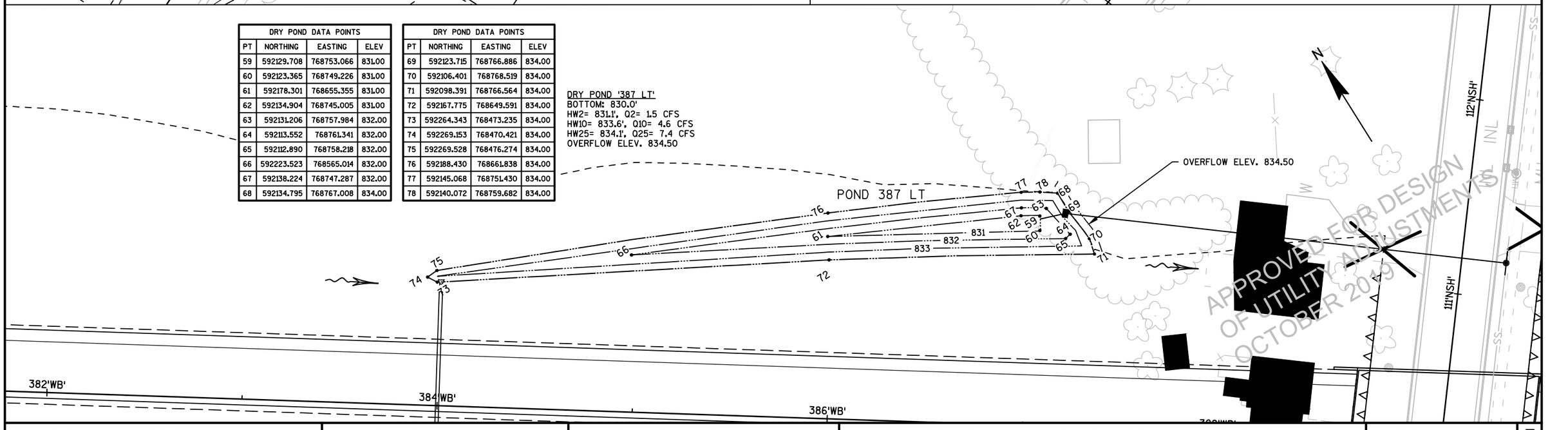
DRY POND DATA POINTS			
PT	NORTHING	EASTING	ELEV
32	591848.834	768654.631	820.00
33	591842.522	768656.492	820.00
34	591831.029	768669.758	820.00
35	591832.345	768674.207	820.00
36	591836.960	768674.516	820.00
37	591847.028	768661.399	820.00
38	591872.121	768629.220	821.00
39	591881.107	768610.566	822.00
40	591874.015	768618.698	822.00
41	591839.707	768647.518	822.00

DRY POND DATA POINTS			
PT	NORTHING	EASTING	ELEV
42	591821.309	768670.376	822.00
43	591830.158	768680.360	822.00
44	591839.475	768682.383	822.00
45	591873.381	768634.743	822.00
46	591878.408	768623.410	822.00
47	591870.993	768611.401	822.00
48	591835.046	768642.073	822.00
49	591812.626	768669.296	822.00
50	591816.878	768676.163	822.00
51	591826.939	768684.554	822.00

DRY POND DATA POINTS			
PT	NORTHING	EASTING	ELEV
52	591859.790	768616.097	821.00
53	591829.175	768691.478	821.00
54	591845.248	768623.074	820.00
55	591829.392	768636.373	820.00
56	591802.485	768668.860	820.00
57	591811.527	768682.131	820.00
58	591824.644	768692.966	820.00

DRY POND DATA POINTS			
PT	NORTHING	EASTING	ELEV
59	592129.708	768753.066	831.00
60	592123.365	768749.226	831.00
61	592178.301	768655.355	831.00
62	592134.904	768745.005	831.00
63	592131.206	768757.984	832.00
64	592113.552	768761.341	832.00
65	592112.890	768758.218	832.00
66	592223.523	768565.014	832.00
67	592138.224	768747.287	832.00
68	592134.795	768767.008	834.00

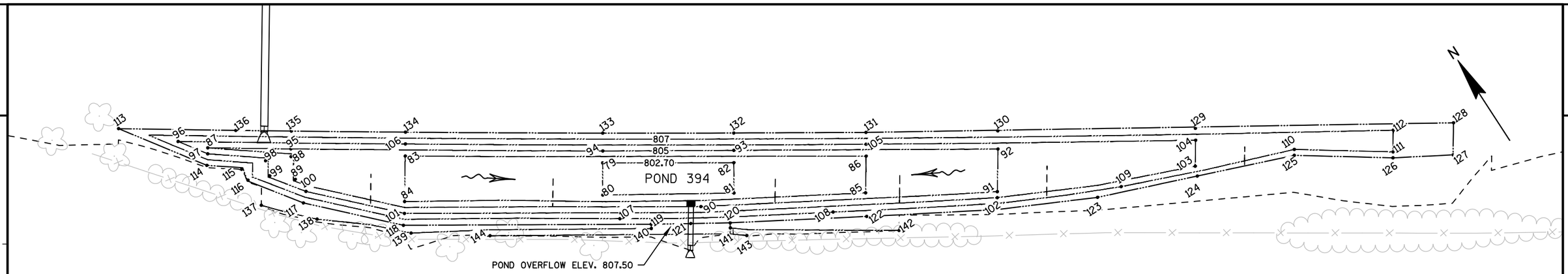
DRY POND DATA POINTS			
PT	NORTHING	EASTING	ELEV
69	592123.715	768766.886	834.00
70	592106.401	768768.519	834.00
71	592098.391	768766.564	834.00
72	592167.775	768649.591	834.00
73	592264.343	768473.235	834.00
74	592269.153	768470.421	834.00
75	592269.528	768476.274	834.00
76	592188.430	768661.838	834.00
77	592145.068	768751.430	834.00
78	592140.072	768759.682	834.00



PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	CONSTR. DETAILS - N CREST ST & DRY PONDS 387 LT, RT	SHEET E

PRE_20

FILE NAME : N:\PDS\C3D\11467571\SHEETSPLAN\11467571\11467571_021022_CD.DWG
LAYOUT NAME - 021022_CD
PLOT DATE : 1/31/2017 11:31 AM PLOT BY : SPIELMACHER, JOHN P PLOT NAME : PLOT SCALE : 1:40_XREF
WISDOT/CADDS SHEET 42



DRY POND DATA POINTS			
PT	NORTHING	EASTING	ELEV
79	591459.136	769139.530	802.70
80	591445.468	769130.684	802.70
81	591410.043	769186.854	802.70
82	591422.934	769195.194	802.70
83	591516.617	769057.674	804.00
84	591497.467	769044.843	804.00
85	591373.744	769242.779	804.00
86	591389.148	769253.137	804.00
87	591574.628	768976.175	805.00
88	591547.902	769009.071	805.00

DRY POND DATA POINTS			
PT	NORTHING	EASTING	ELEV
89	591537.098	769004.544	805.00
90	591413.466	769169.089	805.00
91	591337.823	769298.958	805.00
92	591355.731	769311.000	805.00
93	591428.193	769198.599	805.00
94	591464.118	769142.874	805.00
95	591551.224	769011.114	805.00
96	591585.561	768965.331	806.00
97	591572.138	768974.502	806.00
98	591553.207	768997.147	806.00

DRY POND DATA POINTS			
PT	NORTHING	EASTING	ELEV
99	591545.688	768994.824	806.00
100	591529.048	769005.795	806.00
101	591492.498	769041.479	806.00
102	591335.320	769297.295	806.00
103	591293.939	769389.945	806.00
104	591304.824	769397.270	806.00
105	591394.232	769256.387	806.00
106	59152l.669	769061.024	806.00
107	591430.693	769131.430	807.00
108	591374.612	769223.648	807.00

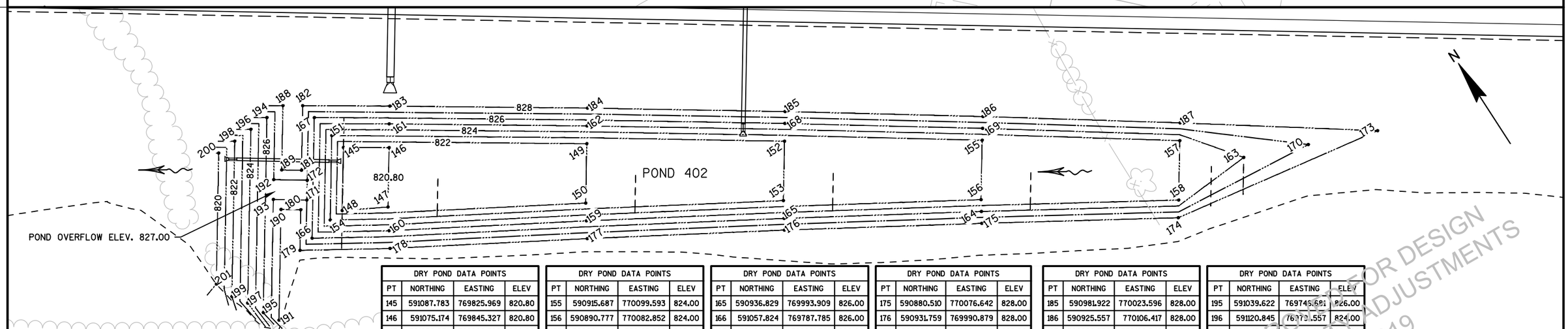
DRY POND DATA POINTS			
PT	NORTHING	EASTING	ELEV
109	591305.738	769352.868	807.00
110	591273.656	769436.568	807.00
111	591245.322	769477.755	807.00
112	591254.448	769483.896	807.00
113	591607.426	768943.644	808.00
114	591567.468	768970.944	808.00
115	591556.202	768984.580	808.00
116	591549.845	768984.303	808.00
117	591524.893	769001.510	808.00
118	591487.743	769037.780	808.00

DRY POND DATA POINTS			
PT	NORTHING	EASTING	ELEV
119	591419.707	769143.169	808.00
120	591398.451	769177.077	808.00
121	591409.079	769160.123	807.50
122	591363.448	769236.746	808.00
123	591307.718	769339.914	808.00
124	591289.171	769388.110	808.00
125	591271.166	769434.895	808.00
126	591242.824	769476.091	808.00
127	591227.477	769502.439	808.00
128	591240.929	769511.478	808.00

DRY POND DATA POINTS			
PT	NORTHING	EASTING	ELEV
129	591309.935	769400.478	808.00
130	591363.500	769315.922	808.00
131	591399.259	769259.600	808.00
132	591435.533	769203.352	808.00
133	591471.722	769147.740	808.00
134	591526.657	769064.332	808.00
135	591558.650	769016.254	808.00
136	591574.276	768992.873	808.00
137	591535.530	768983.004	808.00
138	591514.239	769002.797	808.00

DRY POND DATA POINTS			
PT	NORTHING	EASTING	ELEV
139	591482.327	769038.833	808.00
140	591417.869	769141.992	808.00
141	591396.258	769175.722	808.00
142	591348.546	769246.588	808.00
143	591388.503	769180.575	807.00
144	591459.404	769071.605	807.00

DRY POND '394'
BOTTOM: 802.7'
HW2= 805.2', Q2= 2.3 CFS
HW10= 807.2', Q10= 27 CFS
HW25= 807.9', Q25= 52 CFS
OVERFLOW ELEV. 807.50



DRY POND 402
BOTTOM: 820.8'
HW2= 822.1', Q2= 1.6 CFS
HW10= 824.7', Q10= 5.6 CFS
HW25= 826.0', Q25= 6.7 CFS
OVERFLOW ELEV. 827.00

DRY POND DATA POINTS			
PT	NORTHING	EASTING	ELEV
145	591087.783	769825.969	820.80
146	591075.174	769845.327	820.80
147	591050.271	769828.592	820.80
148	591061.296	769808.184	820.80
149	591022.621	769930.492	822.00
150	590997.715	769913.768	822.00
151	591096.039	769824.286	823.00
152	590969.460	770015.248	823.00
153	590944.553	769998.523	823.00
154	591060.572	769800.471	823.00

DRY POND DATA POINTS			
PT	NORTHING	EASTING	ELEV
155	590915.687	770099.593	824.00
156	590890.777	770082.852	824.00
157	590861.304	770183.529	825.00
158	590836.398	770166.802	825.00
159	590989.957	769909.229	825.00
160	591039.897	769822.609	825.00
161	591085.228	769851.876	825.00
162	591030.134	769935.445	825.00
163	590836.634	770206.145	826.00
164	590885.654	770079.753	826.00

DRY POND DATA POINTS			
PT	NORTHING	EASTING	ELEV
165	590936.829	769993.909	826.00
166	591057.824	769787.785	826.00
167	591108.424	769821.761	826.00
168	590976.934	770020.254	826.00
169	590920.622	770103.005	826.00
170	590824.417	770237.123	827.00
171	591075.469	769796.020	827.00
172	591083.771	769801.594	827.00
173	590811.289	770270.396	828.00
174	590828.991	770161.811	828.00

DRY POND DATA POINTS			
PT	NORTHING	EASTING	ELEV
175	590880.510	770076.642	828.00
176	590931.759	769990.879	828.00
177	590982.191	769904.686	828.00
178	591032.114	769818.121	828.00
179	591055.992	769779.328	828.00
180	591072.990	769790.742	828.00
181	591089.595	769801.891	828.00
182	591116.680	769820.078	828.00
183	591092.608	769857.034	828.00
184	591037.566	769940.526	828.00

DRY POND DATA POINTS			
PT	NORTHING	EASTING	ELEV
185	590981.922	770023.596	828.00
186	590925.557	770106.417	828.00
187	590868.776	770188.546	828.00
188	591122.130	769811.684	828.00
189	591095.170	769793.587	828.00
190	591078.565	769782.440	828.00
191	591032.123	769751.289	828.00
192	591093.239	769787.494	827.00
193	591084.935	769781.923	827.00
194	591121.450	769801.599	826.00

DRY POND DATA POINTS			
PT	NORTHING	EASTING	ELEV
195	591039.622	769745.681	826.00
196	591120.845	769791.557	824.00
197	591047.945	769742.650	824.00
198	591120.238	769761.150	822.00
199	591055.057	769737.707	822.00
200	591119.606	769771.313	820.00
201	591064.610	769734.546	820.00

NOT TO BE USED FOR DESIGN OR CONSTRUCTION ADJUSTMENTS
© 2019

PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	CONSTRUCTION DETAILS - DRY POND LAYOUT (394 AND 402)	SHEET E

PRE_21

FILE NAME : N:\PDS\C3D\11467571\SHEETSPLAN\11467571\11467571_021022_CD.DWG
LAYOUT NAME - 021023_CD
PLOT DATE : 1/31/2017 11:32 AM PLOT BY : SPIELMACHER, JOHN P PLOT NAME : PLOT SCALE : 1 IN:50 FT
WISDOT/CADDS SHEET 44

BEGIN CONSTRUCTION
STA 18'M'+62.80
N=592563.12
E=767528.70

SAWCUT REQUIRED
STA 18'M'+62.80 TO
STA 28'M'+71.26

B-44-291

R-44-18

CTH M

CONCRETE CURB & GUTTER 30-INCH TYPE D

SEE STORM SEWER PLAN

B-44-292

R-44-19

CONCRETE SURFACE
DRAIN (TYP)

22.50' RT +81

12' RT +75

22.50' RT +17

2-INCH REMOVING ASPHALTIC SURFACE MILLING,
2-INCH HMA PAVEMENT 4LT58-28S
STA 18+62.80 - 23+86
MATCH EXISTING

SLOPE INTERCEPT
(TYP)

CTH M CURB GRADES		
STA	O/S	ELEV
18+62.80	20' RT	793.26
19+00	20' RT	792.43
19+50	20' RT	791.63
20+00	20' RT	790.74
20+50	20' RT	789.94
21+00	20' RT	789.29
21+50	20' RT	788.68
22+00	20' RT	788.00
22+50	20' RT	787.27
23+00	20' RT	786.71
23+15	20' RT	786.53

DIMENSIONS AND RADII TO CURB FLANGE
LINE UNLESS OTHERWISE NOTED.

DIMENSIONS AND RADII TO CURB FLANGE
LINE UNLESS OTHERWISE NOTED.

SAWCUT REQUIRED
STA 18'M'+62.80 TO
STA 28'M'+71.26

STA 10'MM'+00.00 =
STA 27'M'+00.03
TYPE "B2" INTERSECTION

END CONSTRUCTION
STA 28'M'+55.18
N=593555.37
E=767548.94

CTH M

24' RT +25

783.41

3' SHOULDER
(2' PAVED)

12'

90°

782.22

782.40

24' RT +55

3'

15' RT +35

12' RT +55

782.02

+67'M' 61
41.52' RT

CONCRETE CURB & GUTTER
6-INCH SLOPED 36-INCH TYPE D

+25'M' 61
31.06' LT

R40'

781.82

+64
15' LT

CTH M, STA 27'M'+55.19, 64' RT
CTH MM, STA 10'MM'+64.14, 55' LT

R60'

CTH M, STA 26'M'+25.24, 84' RT
CTH MM, STA 10'MM'+83.81, 75' RT

+84
15' RT

781.76

STA 10'MM'+64 & 10'MM'+72
2-24"x38" CPRCHE CL IV
4 AEW REQ'D

11'MM'

CTH MM

HICKORY LN

APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS
OCTOBER 2019

PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	INTERSECTION DETAILS - CTH M & CTH MM	SHEET E

PRE_22

2

2

N

WISCONSIN CENTRAL LTD

272'WB'

274'WB'

272'EB'

274'EB'

276'WB'

278'WB'

276'EB'

278'EB'

B-44-290

B-44-289

STH 15 EB R/L

STA 275'EB'+00 MATCH FINISHED GRADE

SLOPE INTERCEPT

NOTE:
CONSTRUCT TEMPORARY RAMP/ PERMANENT FILL FOR ACCESS TO THE 1146-75-71 PROJECT

APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS
OCTOBER 2019

PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	CONSTRUCTION DETAIL - TEMPORARY RAMP	SHEET E

PRE_23

FILE NAME : N:\PDS\C3D\11467571\SHEETSPLAN\11467571\11467571_021806_CD.DWG
LAYOUT NAME - 021806_CD

PLOT DATE : 8/6/2019 7:27 AM PLOT BY : SIMMONS, MASON A PLOT NAME : PLOT SCALE : 1 IN:50 FT

NOTES:

SEE MISCELLANEOUS QUANTITIES FOR STORM SEWER PIPE REMOVALS

CONCRETE COLLAR REQ'D AT STRUCTURE 85

N

R-44-18

B-44-291

B-44-292

18'M' 19'M' 20'M' 21'M' 22'M' 23'M' 24'M'

STA 18'M'+73, 16.7' RT
MANHOLES 5-J (85)

REMOVING MANHOLES

REMOVING INLETS

STA 21'M'+00, 16.8' RT
MANHOLES 4X4-J (86)

STA 21'M'+00, 21.0' RT
INLETS 2x3-H (86.1)

R-44-19

STA 22'M'+50, 16.7' RT
MANHOLES 6-J (87)

STA 22'M'+86, 34.8' RT
AEW FOR CPRCHE 29X45-INCH (88)

STA 18'M'+73, 40.7' RT
INLETS MEDIAN 1G-MS (85.1)

795 796 797 798

375EB 374WB 374EB 375WB

R/W

RWG

800 798 796 794 792 790 788 786 784 782 780 778

85.1 795.00

85 793.09

24 LF 12" SSPRC CLASS IV @ 0.63%

790.00

789.85

788.35

6 LF 30" SSPRC CLASS IV @ 2.04%

85 793.09

30" SSPRC CLASS IV @ 2.04%

788.56

788.41 FIELD VERIFY

789.85

788.35

227 LF 30" SSPRC CLASS IV @ 1.42%

86 789.36

786.40

785.13

785.13

150 LF 30" SSPRC CLASS IV @ 1.42%

87 787.34

783.00

783.00

88 782.80

40 LF 29"X45" SSPRCHE CLASS HE-IV @ 0.50%

86.1 789.23

86 789.36

4 LF 12" SSPRC CLASS IV @ 2.37%

786.50

786.40

APPROVED FOR DESIGN OF UTILITY ADJUSTMENTS OCTOBER 2019

PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	STORM SEWER - CTH M	SHEET E

PRE_24

FILE NAME : N:\PDS\C3D\11467571\SHEETSPLAN\11467571\11467571_022502_SS.DWG
LAYOUT NAME - 022502_SS

PLOT DATE : 10/25/2017 9:06 AM PLOT BY : SIMMONS, MASON A PLOT NAME : PLOT SCALE : 1" = 50'_XREF

WISDOT/CADDS SHEET 41

NOTES:

FOR 12-INCH STORM SEWER CORE DRILLING REQ'D AT STRUCTURE 1.1
2 CONCRETE COLLARS REQ'D AT STRUCTURE 2.0

POND '387 RT'

POND '387 LT'

STA 108'NSH'+33, 92.1' LT
INLET MEDIAN 1G-MS (1.2)

POND OVERFLOW ELEV. 822.00

STA 108'NSH'+08, 34.1' LT
Cylindrical Junction Structure No. (1.1)

STA 111'NSH'+18, 204.4' LT
INLET MEDIAN 1G-MS (2.1)

387'EB'
387'WB'
388'EB'
388'WB'
389'EB'
386'WB'

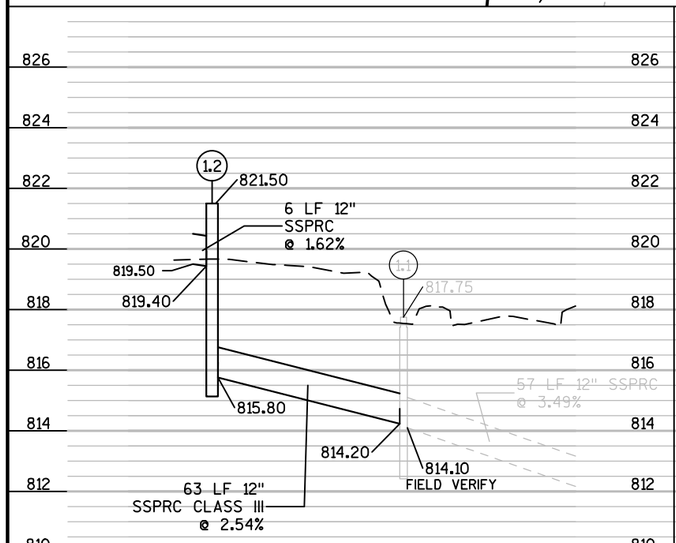
R-44-20
R-44-21
B-44-293
B-44-294

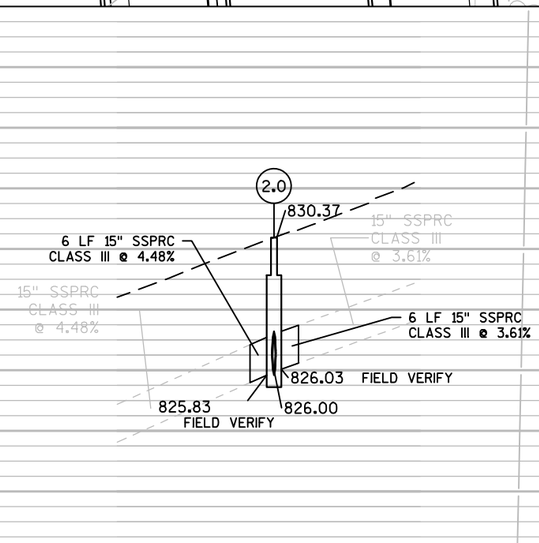
ASPHALTIC SURFACE PATCHING 4"
MATCH EXISTING CURB & GUTTER AND ROADWAY GRADES

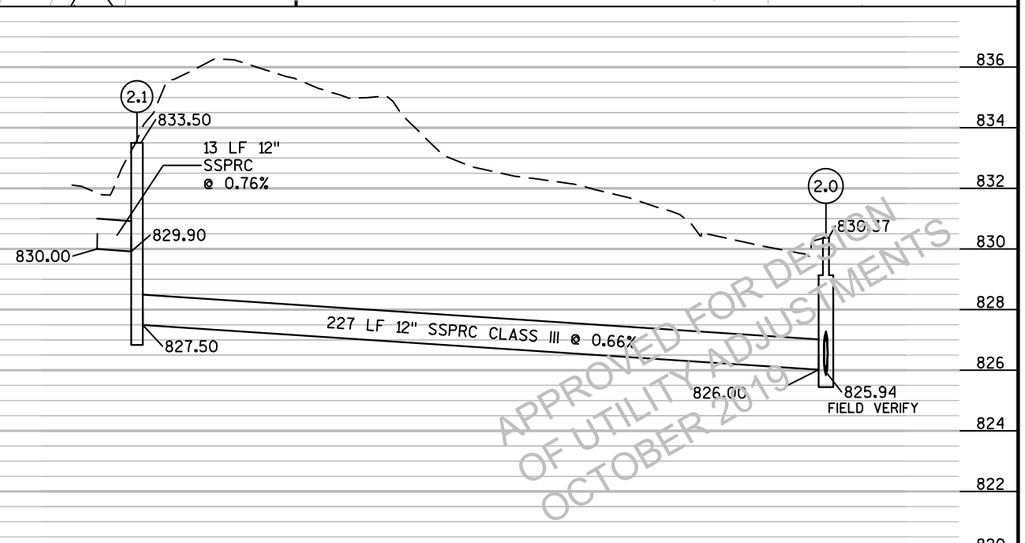
STA 111'NSH'+18, 22.9' RT
MANHOLES 4-C (2.0)

N NASH ST

107'NSH' 108'NSH' 109'NSH' 110'NSH' 111'NSH' 112'NSH' 113'NSH' 114'NSH'







APPROVED FOR DESIGN OF UTILITY ADJUSTMENTS OCTOBER 2019

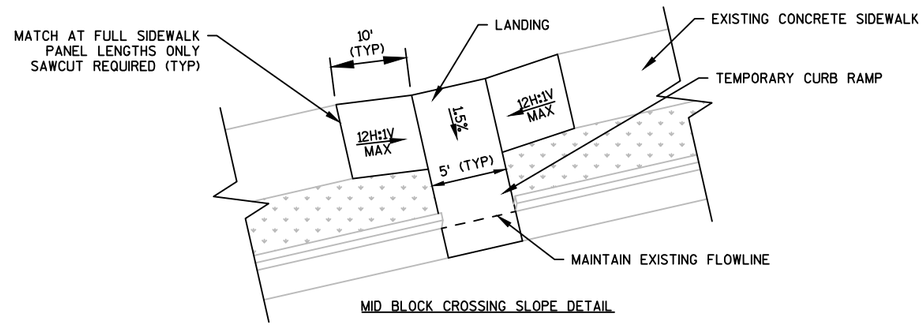
PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	STORM SEWER - NASH STREET	SHEET E

PRE_25

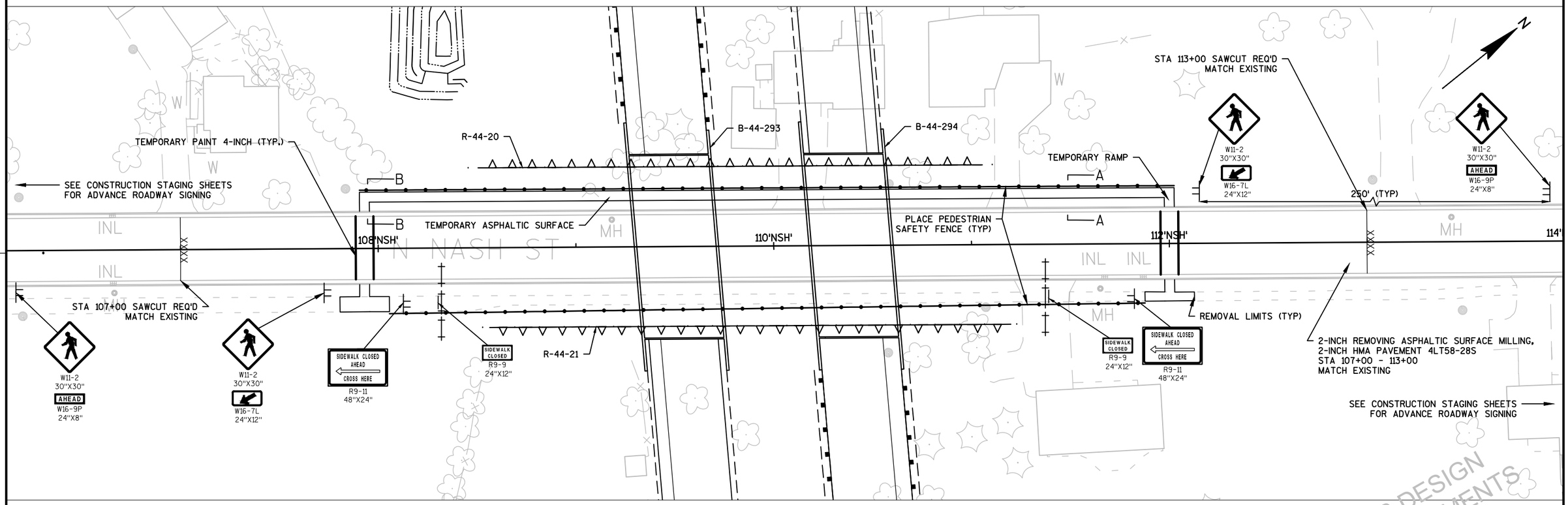
FILE NAME : N:\PDS\C3D\11467571\SHEETSPLAN\11467571\11467571_022503_SS.DWG
LAYOUT NAME - 022503_SS

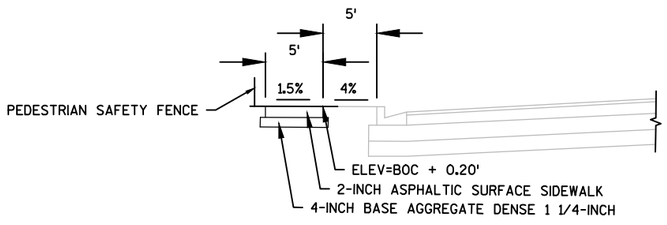
PLOT DATE : 10/25/2017 3:14 PM PLOT BY : SIMMONS, MASON A PLOT NAME : PLOT SCALE : 1" = 50'_XREF

WISDOT/CADDS SHEET 41

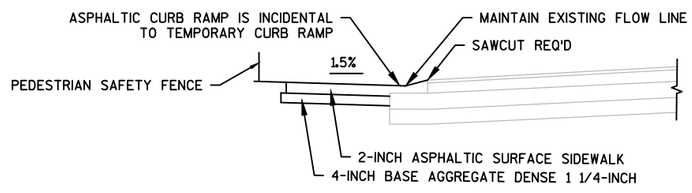


MID BLOCK CROSSING SLOPE DETAIL





SECTION A-A



SECTION B-B

NOTES:

REMOVE EXISTING CURB & GUTTER AND REPLACE WITH CONCRETE CURB & GUTTER 30-INCH TYPE D

CONTRACTOR TO MAINTAIN POSITIVE DRAINAGE ADJACENT TO TEMPORARY SIDEWALK.

EXACT LOCATION OF TEMPORARY SIDEWALK SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AND AS APPROVED BY THE ENGINEER.

APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS
OCTOBER 2019

PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	TEMPORARY PEDESTRIAN ACCESS - NASH ST	SHEET E

FILE NAME : N:\PDS\C3D\11467571\SHEETSPLAN\11467571\11467571_026020-S.DWG
LAYOUT NAME - 026020-S
PLOT DATE : 8/6/2019 7:52 AM PLOT BY : SIMMONS, MASON A PLOT NAME : PLOT SCALE : **********
WISDOT/CADDS SHEET 42

2

CHAIN LINK FENCE (1' BURY)
SMALL ANIMAL FENCE
WOVEN WIRE FENCE

N

SAMBS, KEVIN & JANE

SAMBS, KEVIN & JANE

SAMBS, KEV

R/W

P.L.

P.L.

WISCONSIN CENTRAL LTD

HE

277'WB'+09
-172.00' LT

R/W

3'

280'WB'+08
-172.00' LT

284'WB'+95
-192.00' LT

277'WB'+42
-126.30' LT

2-FT GAP AT STRUCTURES (TYP.)
SEE CONSTRUCTION DETAIL

272'WB' 274'WB' 276'WB' 278'WB' 280'WB' 282'WB' 284'WB' 286'WB'

272'EB' 274'EB' 276'EB' 278'EB' 280'EB' 282'EB' 284'EB' 286'EB'

BEGIN PROJECT 1146-75-71
STA 275'EB'+00

283'EB'+43
128.55' RT

284'EB'+45
156.14' RT

285'EB'+15
192.40' RT

R/W

HE

SAMBS

STATE OF
WIS DEPT
OF TRANS

STATE OF WISCONSIN
DEPARTMENT OF
TRANSPORTATION

STATE OF WISC DEPT TRANSPORTN

APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS
OCTOBER 2019

2

PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	FENCING PLAN	SHEET E

PRE_27

FILE NAME : N:\PDS\C3D\11467571\SHEETSPLAN\11467571\11467571_027101_FN.DWG
LAYOUT NAME - 027102_FN

PLOT DATE : 10/9/2019 9:19 AM PLOT BY : SIMMONS, MASON A PLOT NAME : PLOT SCALE : 1 IN : 100 FT_XREF

CHAIN LINK FENCE (1' BURY)
SMALL ANIMAL FENCE
WOVEN WIRE FENCE

SAMBS, KEVIN & JANE

P.L.

3/4"BAR

N

TLE

R/W

294'WB'+94
-160.13' LT

296'WB'+24
-93.19' LT

298'WB'+50
-76.48' LT

299'WB'+75
-82.85' LT

301'WB'+00
-105.99' LT

21'

3'

288'WB' 290'WB' 292'WB' 294'WB' 296'WB' 298'WB' 300'WB'

288'EB' 290'EB' 292'EB' 294'EB' 296'EB' 298'EB' 300'EB'

301'EB'+94
62.14' RT

301'EB'+01
97.00' RT

297'EB'+04
102.46' RT

297'EB'+47
102.44' RT

298'EB'+03
136.58' RT

296'EB'+70
136.56' RT

297'EB'+81
136.83' RT

R/W

288'EB'+50
172.01' RT

3'

SAMBS, KEVIN & JANE

PLACE WOVEN WIRE FENCE AND
SMALL ANIMAL FENCE BACK TO
BACK AT 3' O/S FROM R/W

PROPOSED 6" UNDERDRAIN
RUNS PARALLEL TO FENCING (TYP.)
SEE PLAN AND PROFILE SHEETS

PLE

3/4"BAR

1"IP

GIVENS RD

1"IP

1"IP

SAMBS

APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS
OCTOBER 2019

PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	FENCING PLAN	SHEET E

PRE_28

FILE NAME : N:\PDS\C3D\11467571\SHEETSPLAN\11467571\11467571_027101_FN.DWG
LAYOUT NAME - 027103_FN

PLOT DATE : 10/9/2019 9:20 AM PLOT BY : SIMMONS, MASON A PLOT NAME : PLOT SCALE : 1 IN : 100 FT_XREF

2

CHAIN LINK FENCE (1' BURY)
SMALL ANIMAL FENCE
WOVEN WIRE FENCE

3/4"BAR
P.L.
PARTIKA, PAUL RICHARD
3/4"BAR
3/4"BAR
P.L.

N

LOT 1
CSM 3642
V19/P3642
DOC. 1351400

PARTIKA, IRVING J & GENEVRA

R/W

302'EB'+90
-139.43' LT
303'EB'+00
-139.24' LT
308'EB'+95
-104.14' LT
309'EB'+05
-103.95' LT
3'

302'WB' 304'WB' 306'WB' 308'WB' 310'WB' 312'WB' 314'WB' 316'WB'

302'EB' 304'EB' 306'EB' 308'EB' 310'EB' 312'EB' 314'EB' 316'EB'

301'EB'+94
62.14' RT
302'EB'+04
62.32' RT
308'EB'+95
43.85' RT
309'EB'+05
44.03' RT
1'EB'+01
.00' RT

R/W
3'

1"IP

PROPOSED 6" UNDERDRAIN
RUNS PARALLEL TO FENCING (TYP.)
SEE PLAN AND PROFILE SHEETS

CORN CRIB

PARTIKA, IRVING J & GENEVRA

PLACE WOVEN WIRE FENCE AND
SMALL ANIMAL FENCE BACK TO
BACK AT 3' O/S FROM R/W

LOT 1
CSM 3642
V19/P3642
DOC. 1351400

JENNERJO
PLAT OF SURVEY V19/P3642
DOC. 1351400

SEPV
SEPV

GIVENS RD
GIVENS RD

APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS
OCTOBER 2019

2

PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	FENCING PLAN	SHEET E

PRE_29

FILE NAME : N:\PDS\C3D\11467571\SHEETSPLAN\11467571\11467571_027101_FN.DWG
LAYOUT NAME - 027104_FN

PLOT DATE : 8/6/2019 7:57 AM PLOT BY : SIMMONS, MASON A PLOT NAME : PLOT SCALE : 1 IN : 100 FT_XREF

WISDOT/CADDS SHEET 42

2

CHAIN LINK FENCE (1' BURY)
SMALL ANIMAL FENCE
WOVEN WIRE FENCE

N

LOT 1
CSM 3642
V19/P3642
DOC. 1351400

SYKES, JAMES I & MARIANN D

R/W

PARTIKA, IRVING J & GENEVRA

320'WB'+90
-107.00' LT

3'

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

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

X

R/W

3'

PLACE WOVEN WIRE FENCE AND
SMALL ANIMAL FENCE BACK TO
BACK AT 3' O/S FROM R/W

PARTIKA, IRVING J & GENEVRA

SYKES, JAMES I & MARIANN D

GIVENS RD

Z

SYKES, JAMES I & MARIANN D

APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS
OCTOBER 2019

PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	FENCING PLAN	SHEET E

PRE_30

FILE NAME : N:\PDS\C3D\11467571\SHEETSPLAN\11467571\11467571_027101_FN.DWG
LAYOUT NAME - 027105_FN

PLOT DATE : 8/6/2019 7:57 AM PLOT BY : SIMMONS, MASON A PLOT NAME : PLOT SCALE : 1 IN : 100 FT_XREF

CHAIN LINK FENCE (1' BURY)
SMALL ANIMAL FENCE
WOVEN WIRE FENCE

N

PARKER, DON E & MARGARET E

TLE

R/W

3'

338'WB'+38
-107.00' LT

339'WB'+90
-107.00' LT

2-FT GAP AT STRUCTURES (TYP.)
SEE CONSTRUCTION DETAIL

333'EB'+48
-131.47' LT

333'EB'+58
-131.29' LT

332'WB' 334'WB' 336'WB' 338'WB' 340'WB' 342'WB' 344'WB' 346'WB'

332'EB' 334'EB' 336'EB' 338'EB' 340'EB' 342'EB' 344'EB' 346'EB'

333'EB'+52
67.05' RT

333'EB'+62
67.23' RT

339'EB'+90
97.00' RT

341'EB'+42
97.00' RT

R/W

PLACE WOVEN WIRE FENCE AND
SMALL ANIMAL FENCE BACK TO
BACK AT 3' O/S FROM R/W

BLACK OTTER CR

P.L.

HO

PARKER, DON E & MARGARET E

PARKER, DON E & MARGARET E

APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS
OCTOBER 2019

PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	FENCING PLAN	SHEET E

PRE_31

FILE NAME : N:\PDS\C3D\11467571\SHEETSPLAN\11467571\11467571_027101_FN.DWG
LAYOUT NAME - 027106_FN

PLOT DATE : 8/6/2019 7:57 AM PLOT BY : SIMMONS, MASON A PLOT NAME : PLOT SCALE : 1 IN : 100 FT_XREF

2

CHAIN LINK FENCE (1' BURY)
SMALL ANIMAL FENCE
WOVEN WIRE FENCE

PARCEL "A"
GRANDVIEW GOLF CLUB
PLAT OF SURVEY
SCHERNICK, MICHAEL S

PARCEL "B"
GRANDVIEW GOLF CLUB
PLAT OF SURVEY

GRAND VIEW GOLF CLUB INC

P.L.

3/4"BAR

PIER

FOOTBRIDGE

N

R/W

3'

348'WB' 350'WB' 352'WB' 354'WB' 356'WB' 358'WB' 360'WB'

348'EB' 350'EB' 352'EB' 354'EB' 356'EB' 358'EB' 360'EB'

359'EB'+79
-134.32' LT

359'EB'+89
-134.14' LT

359'EB'+85
71.30' RT

359'EB'+95
71.48' RT

359'EB'+45
111.87' RT

358'EB'+50
97.00' RT

360'EB'+84
107.84' RT

360'EB'+32
108.54' RT

PLACE WOVEN WIRE FENCE AND
SMALL ANIMAL FENCE BACK TO
BACK AT 3' O/S FROM R/W

SCHERNICK, MICHAEL S

GRAND VIEW GOLF CLUB INC

APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS
OCTOBER 2019

STATE OF WI
DEPARTMEN
TRANSPORT

PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	FENCING PLAN	SHEET E

PRE_32

FILE NAME : N:\PDS\C3D\11467571\SHEETSPLAN\11467571\11467571_027101_FN.DWG
LAYOUT NAME - 027107_FN

PLOT DATE : 8/6/2019 7:58 AM PLOT BY : SIMMONS, MASON A PLOT NAME : PLOT SCALE : 1 IN : 100 FT_XREF

2

2

CHAIN LINK FENCE (1' BURY)
SMALL ANIMAL FENCE
WOVEN WIRE FENCE

FOWLE, DONALD D/ANN L JT RV TR

LOT 1
CSM 1946
V10/P1946
DOC. 1127102

LOT 1
CSM 4252
V23/P4252
DOC. 1453682

LOT 2
CSM 4252
V23/P4252
DOC. 1453682

GRANT,
DARLENE R
& BRUCE

STATE OF WISCONSIN
DEPARTMENT OF
TRANSPORTATION

THE ESTATE OF
EMELINE A BREITRICK

THE ESTATE OF
EMELINE A BREITRICK

FINK,
KEITH A

VILLAGE OF HORTONVILLE

ATHLETIC FIELD

JENNERJOHN
PLAT OF SURVEY

COLLAR
PLAT OF SURVEY

362'WB'+38
-117.00' LT

366'WB'+41
-122.02' LT

368'WB'+65
-130.09' LT

370'WB'+94
-145.95' LT

372'WB'+26
-132.05' LT

373'WB'+33
-83.77' LT

374'WB'+29
-137.00' LT

374'WB'+99
-137.00' LT

376'WB'+
-87.00'

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

362'EB'
364'EB'
366'EB'
368'EB'
370'EB'
372'EB'
376'EB'

361'EB'+84
107.84' RT

365'EB'+85
115.33' RT

367'EB'+79
120.00' RT

369'EB'+82
138.67' RT

371'EB'+70
124.59' RT

373'EB'+76
118.71' RT

374'EB'+97
163.08' RT

375'EB'+51
127.00' RT

2-FT GAP AT STRUCTURES (TYP.)
SEE CONSTRUCTION DETAIL

PLACE WOVEN WIRE FENCE AND
SMALL ANIMAL FENCE BACK TO
BACK AT 3' O/S FROM R/W

R/W
3' O/S
22'W
20'W
16'W
3/4"BAR
P.L.
SEPV
SEPC
SAN
FO
W
TLE

APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS
OCTOBER 2019

PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	FENCING PLAN	SHEET E

PRE_33

2

CHAIN LINK FENCE (1' BURY)
SMALL ANIMAL FENCE
WOVEN WIRE FENCE

HEYES, EDWARD
K & LINDA F

LOT 2
CSM 381
V2/P381
DOC. 864626

THE ESTATE OF
EMELINE A BREITRICK

KLOEHN,
JANICE R

KLITZKE, LARRY
L & WF

MULROY, BARRY J

CAPTAIN, PAUL A

LOT 2
CSM 4385
V24/P4385
DOC. 1480743

BREITRICK, MARK

379'WB'+65
-157.00' LT

376'WB'+24
-87.00' LT

378'WB'+00
-87.00' LT

388'WB'+81
-141.41' LT

388'WB'+14
-126.72' LT

391'WB'+34
-201.09' LT

391'WB'+31
-161.63' LT

R/W
TLE
3"

378'WB' 380'WB' 382'WB' 384'WB' 386'WB' 388'WB' 390'WB'

378'EB' 380'EB' 382'EB' 384'EB' 386'EB' 388'EB' 390'EB'

2-FT GAP AT STRUCTURES (TYP.)
SEE CONSTRUCTION DETAIL

377'EB'+61
127.00' RT

379'EB'+15
117.00' RT

384'EB'+50
117.00' RT

388'EB'+52
162.43' RT

389'EB'+41
148.84' RT

12'NCR'

114'NSH'
112'NSH'
110'NSH'
108'NSH'
106'NSH'

THE ESTATE OF
EMELINE A BREITRICK

RIEHL,
THOMAS R

POLACEK,
ANTON &
BRENDA SUE

FINK,
KEITH A

BAKER,
MARTIN M
& JANICE M

JUSTMANN,
DAVID A
& LINDA D

CLOSE, KENNETH L
& DONNA J

HARRIS WAY

APPROVED FOR DESIGN
UTILITY ADJUSTMENTS
OCTOBER 2019

PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	FENCING PLAN	SHEET E

PRE_34

FILE NAME : N:\PDS\C3D\11467571\SHEETSPLAN\11467571\11467571_027101_FN.DWG
LAYOUT NAME - 027109_FN

PLOT DATE : 8/6/2019 7:59 AM PLOT BY : SIMMONS, MASON A PLOT NAME : PLOT SCALE : 1 IN : 100 FT_XREF

WISDOT/CADDS SHEET 42

RY J

CHAIN LINK FENCE (1' BURY)
SMALL ANIMAL FENCE
WOVEN WIRE FENCE

391'WB'+31
-161.63' LT

R/W

3'

402'WB'+00
-121.82' LT

403'WB'+65
-148.27' LT

403'WB'+79
-127.00' LT

R/W

392'WB' 394'WB' 396'WB' 398'WB' 400'WB' 402'WB' 404'WB' 406'WB'

392'EB' 394'EB' 396'EB' 398'EB' 400'EB' 402'EB' 404'EB' 406'EB'

392'EB'+78
211.44' RT

R/W

3'

PLE

TLE

406'EB'+19
182.50' RT

R/W

DODD, DARIN & MICHELLE

MURPHY, MARY L

HORTONVILLE SCHOOL DISTRICT

HOEWISCH, WALMER/MAX REV TRUST

LOT 2 CSM 4387 V24/P4387 DOC. 1480916

OUTLOT 1 CSM 4387 V24/P4387 DOC. 1480916

LOT 3 CSM 4385 V24/P4385 DOC. 1480743

APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS
OCTOBER 2019

PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	FENCING PLAN	SHEET E

PRE_35

FILE NAME : N:\PDS\C3D\11467571\SHEETSPLAN\11467571\11467571_027101_FN.DWG
LAYOUT NAME - 027110_FN

PLOT DATE : 8/6/2019 7:59 AM PLOT BY : SIMMONS, MASON A PLOT NAME : PLOT SCALE : 1 IN : 100 FT_XREF

2

2

CHAIN LINK FENCE (1' BURY)
SMALL ANIMAL FENCE
WOVEN WIRE FENCE

N

R/W

R/W

MURPHY, MICHAEL J & MARY L

3/4"BAR

3/4"BAR

416'WB'+84
267.00' LT

STATE OF WISCONSIN
DEPARTMENT OF
TRANSPORTATION

411'WB'+17
-127.00' LT

408'WB' 410'WB' 412'WB' 414'WB' 416'WB' 418'WB' 420'WB'

408'EB' 410'EB' 412'EB' 414'EB' 416'EB' 418'EB' 420'EB'

420'EB'+69
162.00' RT

406'EB'+19
182.50' RT

LOT 3
CSM 4385
V24/P4385
DOC. 1480743

R/W

R/W

3/4"BAR

APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS
OCTOBER 2019

HOIER SURVEY

STATE OF WISCONSIN

PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	FENCING PLAN	SHEET E

PRE_36

FILE NAME : N:\PDS\C3D\11467571\SHEETSPLAN\11467571\11467571_027101_FN.DWG
LAYOUT NAME - 027111_FN

PLOT DATE : 8/6/2019 8:00 AM PLOT BY : SIMMONS, MASON A PLOT NAME : PLOT SCALE : 1 IN : 100 FT_XREF

2

CHAIN LINK FENCE (1' BURY)
SMALL ANIMAL FENCE
WOVEN WIRE FENCE

MARY L

422'WB'+89
-267.00' LT

R/W

3'

426'WB'+00
-177.03' LT

MURPHY, MARY L

TLE

VILLAGE OF HORTONVILLE

433'WB'+88
-108.19' LT

434'WB'+12
-108.55' LT

VILLAGE OF HORTONVILLE

422'WB' 424'WB' 426'WB' 428'WB' 430'WB' 432'WB' 434'WB' 436'WB'

422'EB' 424'EB' 426'EB' 428'EB' 430'EB' 432'EB' 434'EB' 436'EB'

434'EB'+00
162.00' RT

R/W

3'

VILLAGE OF HORTONVILLE

MURPHY, MARY L

HOIER, DONALD & BONNIE

HOIER, GERALD & ROSE

HOIER PLAT OF SURVEY

APPROVED FOR DESIGN OF UTILITY ADJUSTMENTS OCTOBER 2019

PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	FENCING PLAN	SHEET E

PRE_37

FILE NAME : N:\PDS\C3D\11467571\SHEETSPLAN\11467571\11467571_027101_FN.DWG
LAYOUT NAME - 027112_FN

PLOT DATE : 8/6/2019 8:00 AM PLOT BY : SIMMONS, MASON A PLOT NAME : PLOT SCALE : 1 IN : 100 FT_XREF

WISDOT/CADDS SHEET 42

2

2

CHAIN LINK FENCE (1' BURY)
SMALL ANIMAL FENCE
WOVEN WIRE FENCE

WEYERS, ARNOLD J & MARY S

WEYERS, ARNOLD J & MARY S

439'WB'+74
-182.10' LT

440'WB'+84
-182.00' LT

445'WB'+26
-182.00' LT

447'WB'+86
-140.68' LT

448'WB'+10
-136.41' LT

SNOWMOBILE TRAIL

WEYERS, ARNOLD J & MARY S

449'WB'+70
-106.80' LT

438'WB' 440'WB' 442'WB' 444'WB' 446'WB' 448'WB' 450'WB'

438'EB' 440'EB' 442'EB' 444'EB' 446'EB' 448'EB' 450'EB'

R/W

447'EB'+88
96.86' RT

448'EB'+12
96.77' RT

449'EB'+00
97.00' RT

LEMKE, ALVIN H

WEYERS, ARNOLD J & MARY S

WEYERS, ARNOLD

BANKER, MARK L

LEMKE, ALVIN H JR

ERALD & ROSE

BEGIN PLAT OF SURVEY

SEPTIC SEPV SEPC

T.L.E.

APPROVED FOR DESIGN OF UTILITY ADJUSTMENTS OCTOBER 2019

PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	FENCING PLAN	SHEET E

PRE_38

FILE NAME : N:\PDS\C3D\11467571\SHEETSPLAN\11467571\11467571_027101_FN.DWG
LAYOUT NAME - 027113_FN

PLOT DATE : 8/6/2019 8:00 AM PLOT BY : SIMMONS, MASON A PLOT NAME : PLOT SCALE : 1 IN : 100 FT_XREF

2

CHAIN LINK FENCE (1' BURY)
SMALL ANIMAL FENCE
WOVEN WIRE FENCE

N

WATTERS,

YOUNG, RUTH M

JOSSART, JOAN M SURVIVORS TRST

R/W

3'

465'WB'+00
-122.00' LT

452'WB' 454'WB' 456'WB' 458'WB' 460'WB' 462'WB' 464'WB' 466'WB'

452'EB' 454'EB' 456'EB' 458'EB' 460'EB' 462'EB' 464'EB' 466'EB'

END PROJECT 1146-75-71
STA 465'EB'+00

SNOWMOBILE TRAIL

452'EB'+00
117.00' RT

455'EB'+02
127.00' RT

459'EB'+68
127.00' RT

R/W

JOSSART, JOAN M SURVIVORS TRST

3/4"BAR

1"IP

RWGP

STH 15

SIGN

R/W

YOUNG, RUTH M

HOIER, REGINA

STILES, GARY & JANE

PLAT

PULS, GAIL M
WALSVIK, PENNY A
BLINK, JENNIFER L

APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS
OCTOBER 2019

TLE

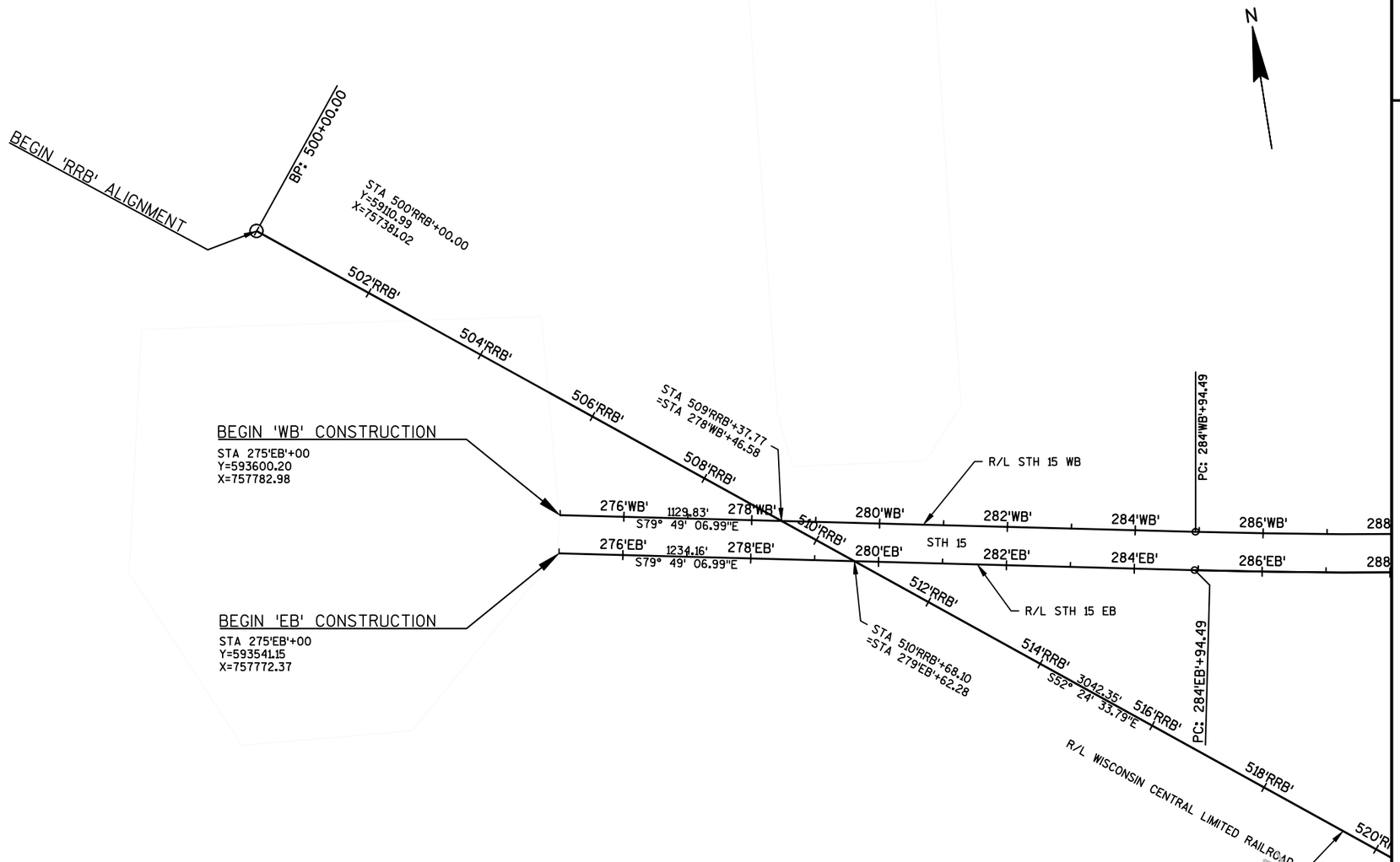
PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	FENCING PLAN	SHEET E

PRE_39

FILE NAME : N:\PDS\C3D\11467571\SHEETSPLAN\11467571\11467571_027101_FN.DWG
LAYOUT NAME - 027114_FN

PLOT DATE : 8/6/2019 8:01 AM PLOT BY : SIMMONS, MASON A PLOT NAME : PLOT SCALE : 1 IN : 100 FT_XREF

2



APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS
OCTOBER 2019

PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	ALIGNMENT DIAGRAM - STH 15	SHEET E

2

CURVE WB-8
PI STA = 292'WB'+94.20
Y = 593283.050
X = 759548.924
DELTA = 8°52'45"
D = 0°33'23"
T = 799.71'
L = 1596.21'
R = 10300.00'
PC STA = 284'WB'+94.49
Y = 593424.410
X = 758761.812
PT STA = 300'WB'+90.70
Y = 593264.876
X = 760348.422
BK = S79°49'07.0"E
AH = S88°41'52.2"E

SUPERELEVATION TABLE (WB-8)			
STATION	LT SLOPE	RT SLOPE	REMARKS
283'WB'+61.16	-2.0%	-2.0%	NORMAL CROWN
284'WB'+41.16	-2.0%	0.0%	ZERO SUPER
285'WB'+21.16	-2.0%	2.0%	FULL SUPER
300'WB'+64.04	-2.0%	2.0%	FULL SUPER
301'WB'+53.34	-2.0%	0.0%	ZERO SUPER
302'WB'+33.34	-2.0%	-2.0%	NORMAL CROWN

N

R/L STH 15 WB

288'WB' 290'WB' 292'WB' CURVE WB-8 294'WB' 296'WB' 298'WB' 300'WB' 302'WB' 304'WB' 306'WB' 308'WB' 310'WB' 312'WB' 314'WB' 316'WB' 318'WB'

PT: 300'WB'+90.70

STA AHEAD: 301'WB'+00.00
STA BACK: 300'WB'+90.70
EQUATION

6138.03'
S88° 41' 52.18"E

STH 15

288'EB' 290'EB' 292'EB' 294'EB' 296'EB' 298'EB' 300'EB' 302'EB' 304'EB' 306'EB' 308'EB' 310'EB' 312'EB' 314'EB' 316'EB' 318'EB'

6138.03'
S88° 41' 52.18"E

R/L STH 15 EB

CURVE EB-8

PT: 301'EB'+00.00

CURVE EB-8
PI STA = 292'EB'+98.86
Y = 593223.171
X = 759542.903
DELTA = 8°52'45"
D = 0°33'11"
T = 804.36'
L = 1605.51'
R = 10360.00'
PC STA = 284'EB'+94.49
Y = 593365.355
X = 758751.206
PT STA = 301'EB'+00.00
Y = 593204.892
X = 760347.059
BK = S79°49'07.0"E
AH = S88°41'52.2"E

SUPERELEVATION TABLE (EB-8)			
STATION	LT SLOPE	RT SLOPE	REMARKS
283'EB'+61.16	-2.0%	-2.0%	NORMAL CROWN
284'EB'+41.16	-2.0%	0.0%	ZERO SUPER
285'EB'+21.16	-2.0%	2.0%	FULL SUPER
300'EB'+73.34	-2.0%	2.0%	FULL SUPER
301'EB'+53.34	-2.0%	0.0%	ZERO SUPER
302'EB'+33.34	-2.0%	-2.0%	NORMAL CROWN

20'RRB'

522'RRB'

2

N

R/L STH 15 WB

318'WB' 320'WB' 322'WB' 324'WB' 326'WB' 328'WB' 330'WB' 332'WB' 334'WB' 336'WB' 338'WB' 340'WB' 342'WB' 344'WB' 346'WB' 348'WB'

6138.03'
S88° 41' 52.18"E

318'EB' 320'EB' 322'EB' 324'EB' 326'EB' 328'EB' 330'EB' 332'EB' 334'EB' 336'EB' 338'EB' 340'EB' 342'EB' 344'EB' 346'EB' 348'EB'

STH 15

6138.03'
S88° 41' 52.18"E

R/L STH 15 EB

END 'BOC' ALIGNMENT
STA 4'BOC'+59.14
Y=593279.3125
X=764184.6184

PC: 3'BOC'+90.78

4'BOC'

PT: 2'BOC'+24.89

2'BOC'

PC: 1'BOC'+86.58

BEGIN 'BOC' ALIGNMENT
STA 1'BOC'+50
Y=593013.3761
X=764330.3133

APPROVED FOR DESIGN
CONTINUITY ADJUSTMENTS
OCTOBER 2019

PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	ALIGNMENT DIAGRAM - STH 15	SHEET E

FILE NAME : N:\PDS\C3D\11467571\SHEETSPLAN\11467571\11467571_027201_AD.DWG
LAYOUT NAME - 027202-AD
PLOT DATE : 2/27/2017 3:12 PM PLOT BY : SPIELMACHER, JOHN P PLOT NAME : PLOT SCALE : 1 IN:200 FT
WISDOT/CADDS SHEET 44

CURVE WB-9
PI STA = 368'WB'+51.67
Y = 593111.443
X = 767098.347
DELTA = 32°34'40"
D = 2°43'42"
T = 613.64'
L = 1194.04'
R = 2100.00'
PC STA = 362'WB'+38.03
Y = 593125.388
X = 766484.865
PT STA = 374'WB'+32.06
Y = 592769.367
X = 767607.796
BK = S88°41'52.2"E
AH = S56°07'12.3"E

SUPERELEVATION TABLE (WB-9)			
STATION	LT SLOPE	RT SLOPE	REMARKS
360'WB'+16.69	-2.0%	-2.0%	NORMAL CROWN
360'WB'+96.69	0.0%	-2.0%	ZERO SUPER
361'WB'+76.69	2.0%	-2.0%	REVERSE CROWN
363'WB'+08.69	5.3%	-5.3%	FULL SUPER
373'WB'+61.40	5.3%	-5.3%	FULL SUPER
374'WB'+59.29	2.0%	-2.0%	REVERSE CROWN
375'WB'+39.29	0.0%	-2.0%	ZERO SUPER
376'WB'+19.29	-2.0%	-2.0%	NORMAL CROWN

CURVE EB-9
PI STA = 368'EB'+34.14
Y = 593051.857
X = 767079.455
DELTA = 32°34'40"
D = 2°48'31"
T = 596.11'
L = 1159.92'
R = 2040.00'
PC STA = 362'EB'+38.03
Y = 593065.404
X = 766483.501
PT STA = 373'EB'+97.95
Y = 592719.554
X = 767574.348
BK = S88°41'52.2"E
AH = S56°07'12.3"E

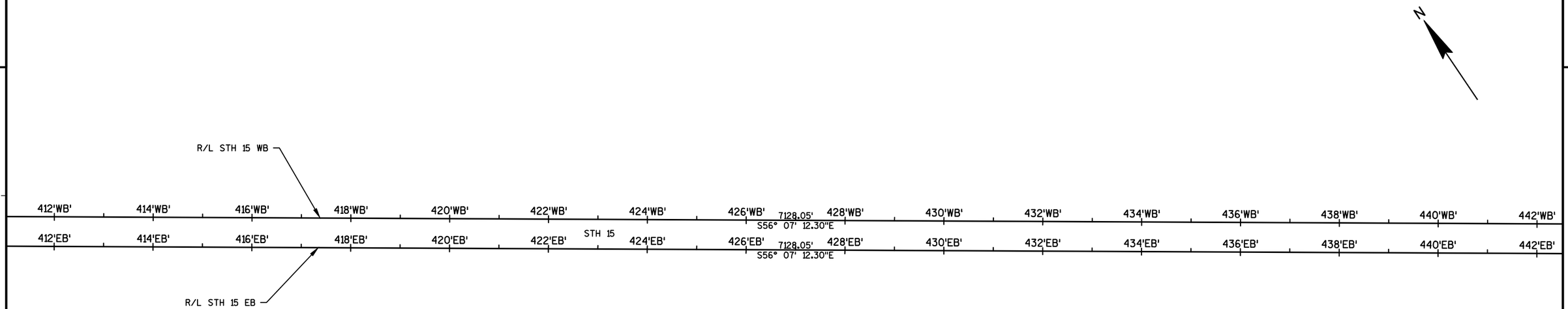
SUPERELEVATION TABLE (EB-9)			
STATION	LT SLOPE	RT SLOPE	REMARKS
360'EB'+14.02	-2.0%	-2.0%	NORMAL CROWN
360'EB'+94.02	0.0%	-2.0%	ZERO SUPER
361'EB'+74.02	2.0%	-2.0%	REVERSE CROWN
363'EB'+10.02	5.4%	-5.4%	FULL SUPER
373'EB'+25.96	5.4%	-5.4%	FULL SUPER
374'EB'+61.96	2.0%	-2.0%	REVERSE CROWN
375'EB'+41.96	0.0%	-2.0%	ZERO SUPER
376'EB'+21.96	-2.0%	-2.0%	NORMAL CROWN

R/L CTH M
R/L STH 15 WB
R/L STH 15 EB
CURVE WB-9
CURVE EB-9
STH 15
PC: 362'WB'+38.03
PC: 362'EB'+38.03
PT: 374'WB'+32.06
PT: 373'EB'+97.95
STA 373'WB'+40.41 =STA 21'M'+18.47
STA 373'EB'+45.00 =STA 20'M'+48.18
STA AHEAD: 373'WB'+97.95
STA BACK: 374'WB'+32.06
EQUATION
PI: 18+88.28'W'
STA 378'EB'+36.85 =STA 14'NCR'+00.00
R/L NORTH CREST STREET
EP: 14+00.00'NCR'
350'WB' 6138.03' S88° 41' 52.18"E
350'EB' 6138.03' S88° 41' 52.18"E
382'WB' 7128.05' S56° 07' 12.30"E
382'EB' 7128.05' S56° 07' 12.30"E
STA 389'WB'+14.86 =STA 110'NSH'+25.06
STA 389'EB'+10.10 =STA 109'NSH'+64.87
R/L NASH STREET

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OF UTILITY ADJUSTMENTS
OCTOBER 2019

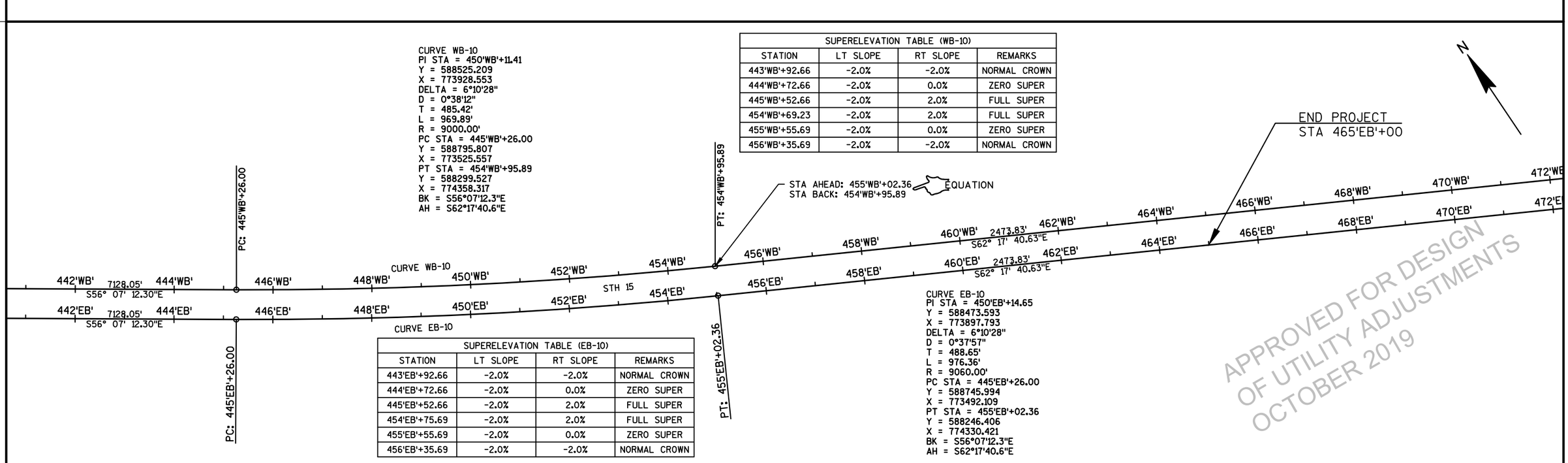
PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	ALIGNMENT DIAGRAM - STH 15	SHEET E

2



SUPERELEVATION TABLE (WB-10)			
STATION	LT SLOPE	RT SLOPE	REMARKS
443'WB'+92.66	-2.0%	-2.0%	NORMAL CROWN
444'WB'+72.66	-2.0%	0.0%	ZERO SUPER
445'WB'+52.66	-2.0%	2.0%	FULL SUPER
454'WB'+69.23	-2.0%	2.0%	FULL SUPER
455'WB'+55.69	-2.0%	0.0%	ZERO SUPER
456'WB'+35.69	-2.0%	-2.0%	NORMAL CROWN

CURVE WB-10
PI STA = 450'WB'+11.41
Y = 588525.209
X = 773928.553
DELTA = 6°10'28"
D = 0°38'12"
T = 485.42'
L = 969.89'
R = 9000.00'
PC STA = 445'WB'+26.00
Y = 588795.807
X = 773525.557
PT STA = 454'WB'+95.89
Y = 588299.527
X = 774358.317
BK = S56°07'12.3"E
AH = S62°17'40.6"E



SUPERELEVATION TABLE (EB-10)			
STATION	LT SLOPE	RT SLOPE	REMARKS
443'EB'+92.66	-2.0%	-2.0%	NORMAL CROWN
444'EB'+72.66	-2.0%	0.0%	ZERO SUPER
445'EB'+52.66	-2.0%	2.0%	FULL SUPER
454'EB'+75.69	-2.0%	2.0%	FULL SUPER
455'EB'+55.69	-2.0%	0.0%	ZERO SUPER
456'EB'+35.69	-2.0%	-2.0%	NORMAL CROWN

CURVE EB-10
PI STA = 450'EB'+14.65
Y = 588473.593
X = 773897.793
DELTA = 6°10'28"
D = 0°37'57"
T = 488.65'
L = 976.36'
R = 9060.00'
PC STA = 445'EB'+26.00
Y = 588745.994
X = 773492.109
PT STA = 455'EB'+02.36
Y = 588246.406
X = 774330.421
BK = S56°07'12.3"E
AH = S62°17'40.6"E

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OF UTILITY ADJUSTMENTS
OCTOBER 2019

PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	ALIGNMENT DIAGRAM - STH 15	SHEET E

FILE NAME : N:\PDS\C3D\11467571\SHEETSPLAN\11467571\11467571_027201_AD.DWG
LAYOUT NAME - 027204-AD
PLOT DATE : 2/27/2017 3:12 PM PLOT BY : SPIELMACHER, JOHN P PLOT NAME : PLOT SCALE : 1 IN:200 FT
WISDOT/CADDS SHEET 44

2

12'M' 14'M' 888.28' NO° 08' 13.18"W 16'M' CTH M N OLK STREET 18'M' 20'M' 22'M' 24'M' 1610.80' N38° 24' 52.09"E 26'M' 28'M' 30'M'

R/L CTH M

BEGIN 'M' ALIGNMENT
STA 10'M'+00.00
Y=591700.33
X=767530.76

STA 20'M'+48.18
=STA 373'EB'+45.00

STA 21'M'+18.47
=STA 373'WB'+40.41

STA 27'M'+00.03
=STA 10'MM'+00.00

END 'M' ALIGNMENT
STA 32'M'+00.00
Y=593900.27
X=767539.91

R/L NORTH CREST STREET

BEGIN 'NCR' ALIGNMENT
STA 10'NCR'+00.00
Y=592139.29
X=767721.07

12'NCR'
NORTH CREST STREET

PI: 18+88.28'M'

374'EB' 374'WB' 376'EB' 376'WB' 378'EB' 378'WB' 380'EB' 380'WB' 382'EB' 382'WB' 384'EB' 384'WB' 386'EB' 386'WB' 388'EB' 388'WB' 390'EB' 390'WB' 392'EB' 392'WB' 394'EB' 394'WB'

STA 14'NCR'+00.00
=STA 378'EB'+36.85

END 'NCR' ALIGNMENT
STA 14'NCR'+00.00
Y=592474.89
X=767938.73

N

BEGIN 'MM' ALIGNMENT
STA 10'MM'+00.00
Y=593400.32
X=767535.61

12'MM' 14'MM' S89° 39' 02.30"E 794.93' 16'MM' 18'MM' 20'MM' 22'MM' 24'MM' 26'MM' 28'MM' 30'MM' 32'MM'

PC: 17+94.93'MM'

CURVE MM-1
PI STA = 22'MM'+01.48
Y = 593392.994
X = 768737.069
DELTA = 51°55'16"
D = 6°51'42"
T = 406.55'
L = 756.67'
R = 835.00'
PC STA = 17'MM'+94.93
Y = 593395.473
X = 768330.531
PT STA = 25'MM'+51.61
Y = 593711.478
X = 768989.751
BK = S89°39'02.3"E
AH = N38°25'41.3"E

R/L CTH MM

CURVE MM-1

CTH MM

PT: 25+51.61'MM'

N37° 50' 08.56"E
31.64'

PI: 100+31.64'NSH'

R/L NASH STREET

102'NSH' 104'NSH' 106'NSH' 108'NSH' 110'NSH' 112'NSH' 114'NSH' 116'NSH'

BEGIN 'NSH' ALIGNMENT
STA 100'NSH'+00.00
Y=591120.39
X=768230.48

N38° 24' 52.09"E 1610.80'

STA 109'NSH'+64.87
=STA 389'EB'+10.10

STA 110'NSH'+25.06
=STA 389'WB'+14.86

NASH STREET

END 'NSH' ALIGNMENT
STA 116'NSH'+42.44
Y=592407.50
X=769250.75

R/L STH 15 EB

R/L STH 15 WB

STH 15

SUPERELEVATION TABLE (MM-1)			
STATION	LT SLOPE	RT SLOPE	REMARKS
16'MM'+81.39	-2.0%	-2.0%	NORMAL CROWN
17'MM'+22.93	-2.0%	0.0%	ZERO SUPER
17'MM'+64.47	-2.0%	2.0%	REVERSE CROWN
18'MM'+30.93	-5.2%	5.2%	FULL SUPER
25'MM'+15.61	-5.2%	5.2%	FULL SUPER
25'MM'+82.07	-2.0%	2.0%	REVERSE CROWN
26'MM'+23.61	-2.0%	0.0%	ZERO SUPER
26'MM'+65.15	-2.0%	-2.0%	NORMAL CROWN

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UTILITY ADJUSTMENTS
OCTOBER 2019

END 'MM' ALIGNMENT
STA 32'M'+00.00
Y=594219.50
X=769392.77

26'MM' 26'MM' N38° 25' 41.30"E 648.39' 30'MM' 32'MM'

PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	ALIGNMENT DIAGRAM - LOCAL ROADS	SHEET E

FILE NAME : N:\PDS\C3D\11467571\SHEETSPLAN\11467571\11467571_027205_AD.DWG
LAYOUT NAME - 027206-AD
PLOT DATE : 2/27/2017 3:14 PM PLOT BY : SPIELMACHER, JOHN P PLOT NAME :
PLOT SCALE : 1 IN:200 FT
WISDOT/CADDS SHEET 42

2

2

SAMBS, KEVIN & JANE

SAMBS, KEVIN & JANE

N

R/W

P.L.

P.L.

HE

R/W

WISCONSIN CENTRAL LTD

C-44-124

B-44-290

R-44-17

270'WB'

272'WB'

274'WB'

276'WB'

278'WB'

280'WB'

282'WB'

284'WB'

270'EB'

272'EB'

274'EB'

276'EB'

278'EB'

280'EB'

282'EB'

284'EB'

B-44-289

F0

STATE OF WISCONSIN
DEPARTMENT OF
TRANSPORTATION

P.L.

HE

STATE OF
WIS DEPT
OF TRANS

STATE OF WISC DEPT TRANSPORTN

APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS
OCTOBER 2019

PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	UTILITY PLAN - STH 15	SHEET E

PRE_45

FILE NAME : N:\PDS\C3D\11467571\SHEETSPLAN\11467571_023001_UP.DWG
LAYOUT NAME - 023003-UP

PLOT DATE : 1/25/2016 9:42 AM PLOT BY : SIMMONS, MASON A PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

2

SAMBS, KEVIN & JANE

P.L.

N

TLE

R/W

286'WB' 288'WB' 290'WB' 292'WB' 294'WB' 296'WB' 298'WB' 300'WB'

286'EB' 288'EB' 290'EB' 292'EB' 294'EB' 296'EB' 298'EB' 300'EB'

W W

R/W

SAMBS, KEVIN & JANE

FO P.L.

PLE

FO FO FO FO FO FO

102'GVE'

3/4"BAR
1"IP
GIVENS
1"IP

APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS
OCTOBER 2019

PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	UTILITY PLAN - STH 15	SHEET	E

FILE NAME : N:\PDS\C3D\11467571\SHEETSPLAN\11467571_023001_UP.DWG
LAYOUT NAME - 023004-UP

PLOT DATE : 10/9/2019 9:15 AM PLOT BY : SIMMONS, MASON A PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

2

3/4"BAR

3/4"BAR

P.L.

PARTIKA, PAUL RICHARD

3/4"BAR

3/4"BAR

P.L.

N

LOT 1
CSM 3642
V19/P3642
DOC. 1351400

PARTIKA, IRVING J & GENEVRA

R/W

302'WB' 304'WB' 306'WB' 308'WB' 310'WB' 312'WB' 314'WB' 316'W

302'EB' 304'EB' 306'EB' 308'EB' 310'EB' 312'EB' 314'EB' 316'E

R/W

1"IP

JENNERJOHN
PLAT OF SURVEY

LOT 1
CSM 3642
V19/P3642
DOC. 1351400

SEPC SEPC

SEPV SEPV

W W W

CORN CRIB

N

PARTIKA, IRVING J & GENEVRA

LOT 1
CSM 3642
V19/P3642
DOC. 1351400

CIVENS RD

CIVENS RD

APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS
OCTOBER 2019

PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	UTILITY PLAN - STH 15	SHEET E

PRE_47

FILE NAME : N:\PDS\C3D\11467571\SHEETSPLAN\11467571_023001_UP.DWG
LAYOUT NAME - 023005-UP

PLOT DATE : 1/25/2016 9:43 AM PLOT BY : SIMMONS, MASON A PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

2

N

LOT 1
CSM 3642
V19/P3642
DOC. 1351400

PARTIKA, IRVING J & GENEVRA

SYKES, JAMES I & MARIANN D

R/W

FO

FO

FO

R/W

318'WB'

320'WB'

322'WB'

324'WB'

326'WB'

328'WB'

330'WB'

318'EB'

320'EB'

322'EB'

324'EB'

326'EB'

328'EB'

330'EB'

R/W

PARTIKA, IRVING J & GENEVRA

SYKES, JAMES I & MARIANN D

GIVENS RD

SYKES, JAMES I & MARIANN D

APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS
OCTOBER 2019

PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	UTILITY PLAN - STH 15	SHEET E

PRE_48

FILE NAME : N:\PDS\C3D\11467571\SHEETSPLAN\11467571_023001_UP.DWG
LAYOUT NAME - 023006-UP

PLOT DATE : 1/25/2016 9:43 AM PLOT BY : SIMMONS, MASON A PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

2

N

P.L.

PARKER, DON E & MARGARET E

TLE

R/W

R/W

332'WB' 334'WB' 336'WB' 338'WB' 340'WB' 342'WB' 344'WB' 346'WB'

332'EB' 334'EB' 336'EB' 338'EB' 340'EB' 342'EB' 344'EB' 346'EB'

B-44-296

B-44-295

BLACK OTTER CR

R/W

R/W

P.L.

P.L.

P.L.

3X4 BAR

PARKER, DON E & MARGARET E

PARKER, DON E & MARGARET E

APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS
OCTOBER 2019

BLACK OTTER CR

PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	UTILITY PLAN - STH 15	SHEET E

PRE_49

FILE NAME : N:\PDS\C3D\11467571\SHEETSPLAN\11467571_023001_UP.DWG
LAYOUT NAME - 023007-UP

PLOT DATE : 1/25/2016 9:44 AM PLOT BY : SIMMONS, MASON A PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

PARCEL "A"
GRANDVIEW GOLF CLUB
PLAT OF SURVEY
SCHERNICK, MICHAEL S

PARCEL "B"
GRANDVIEW GOLF CLUB
PLAT OF SURVEY
GRAND VIEW GOLF CLUB INC

P.L.
P.L.
P.L.
P.L.
P.L.
P.L.
P.L.
P.L.
P.L.
P.L.

R/W
R/W
R/W
R/W

3/4"BAR
3/4"BAR
3/4"BAR
3/4"BAR

FOOTBRIDGE
PIER

FOWLE, D
LOT
CSM
V23/P
DOC. 1

GRANT,
DARLENE R
& BRUCE

SCHERNICK, MICHAEL S
GRAND VIEW GOLF CLUB INC

STATE OF WISCONSIN
DEPARTMENT OF
TRANSPORTATION

348'WB' 350'WB' 352'WB' 354'WB' 356'WB' 358'WB' 360'WB' 362'WB'
348'EB' 350'EB' 352'EB' 354'EB' 356'EB' 358'EB' 360'EB' 362'EB'

FO
OH
SAN

N

APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS
OCTOBER 2019

2

PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	UTILITY PLAN - STH 15	SHEET E

PRE_50

2

2

LOT 2
CSM 4252
V23/P4252
DOC. 1453682

3/4"BAR

P.L. R/W

SEPV
SEPC

STATE OF WISCONSIN
DEPARTMENT OF
TRANSPORTATION

P.L.

R/W

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

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

R-44-18
B-44-292
B-44-291
R-44-19

FOUND

POOL

THE ESTATE OF
EMELINE A BREITRICK

PROPOSED POND
'378'

BREITRICK, MARK

TLE

24"W
22"W
20"W
18"W
16"W

FO
SAN
CW

N

379+05.31 MATCH LINE

12"CR"

JENNERJOHN
PLAT OF SURVEY

VILLAGE OF HORTONVILLE

ATHLETIC FIELD

COLLAR
PLAT OF SURVEY

FINK,
KEITH A

APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS
OCTOBER 2019

PROJECT NO:1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	UTILITY PLAN - STH 15/ CTH M/ N. CREST ST.	SHEET E

FILE NAME : N:\PDS\C3D\11467571\SHEETSPLAN\11467571_023001_UP.DWG
LAYOUT NAME - 023009-UP

PLOT DATE : 10/14/2019 10:37 AM PLOT BY : SIMMONS, MASON A PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

2

HEYES, EDWARD
K & LINDA F

LOT 2
CSM 381
V2/P381
DOC. 864626

3/4"BAR

P.L.

THE ESTATE OF
EMELINE A BREITRICK

KLOEHN,
JANICE R

KLITZKE, LARRY
L & WF

MULROY, BARRY J

CAPTAIN, PAUL A

LOT 2
CSM 4385
V24/P4385
DOC. 1480743

R/W

B-44-294

PROPOSED POND
'387 LT'

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

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

B-44-293

R-44-20

R-44-21

PROPOSED POND
'387 RT'

PROPOSED POND
'394 LT'

NASH ST

TLE

PLE

RIEWE,
THOMAS R

POLACEK,
ANTON &
BRENDA SUE

BAKER,
MARTIN M
& JANICE M

HARRIS WAY

JUSTMANN,
DAVID A
& LINDA D

CLOSE, KENNETH L
& DONNA J

MAGNOLIA SURVEY

APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS
OCTOBER 2019

PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	UTILITY PLAN - STH 15/ NASH ST.	SHEET E

PRE_52

FILE NAME : N:\PDS\C3D\11467571\SHEETSPLAN\11467571_023001_UP.DWG
LAYOUT NAME - 023010-UP

PLOT DATE : 1/25/2016 9:45 AM PLOT BY : SIMMONS, MASON A PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

2

R/W

R/W

P.L.

R/W

P.L.

P.L.

R/W

P.L.

DODD, DARIN & MICHELLE

LOT 2
CSM 4387
V24/P4387
DOC. 1480916

OUTLOT 1
CSM 4387
V24/P4387
DOC. 1480916

MURPHY, MARK E

3/4"BAR

3/4"BAR

3/4"BAR

N

396'WB' 398'WB' 400'WB' 402'WB' 404'WB' 406'WB' 408'WB' 410'WB'

396'EB' 398'EB' 400'EB' 402'EB' 404'EB' 406'EB' 408'EB' 410'EB'

CSM 4385
V24/P4385
DOC. 1480915

3/4"BAR

P.L.

R/W

PROPOSED POND
'402 RT'

P.L.

R/W

SEPC

HORTONVILLE SCHOOL DISTRICT

INL

HOEWISCH, WALMER/MAX REV TRUST

APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS
OCTOBER 2019

PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	UTILITY PLAN - STH 15	SHEET E

PRE_53

FILE NAME : N:\PDS\C3D\11467571\SHEETSPLAN\11467571_023001_UP.DWG
LAYOUT NAME - 023011-UP

PLOT DATE : 1/25/2016 9:46 AM PLOT BY : SIMMONS, MASON A PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

2

R/W

N

R/W

MURPHY, MICHAEL J & MARY L

R/W

P.L.

STATE OF WISCONSIN
DEPARTMENT OF
TRANSPORTATION

412'WB' 414'WB' 416'WB' 418'WB' 420'WB' 422'WB' 424'WB' 426'WB'

412'EB' 414'EB' 416'EB' 418'EB' 420'EB' 422'EB' 424'EB' 426'EB'

N

P.L.

P.L.

R/W

LOT 3
CSM 4385
V24/P4385
DOC. 1480743

3/4"BAR

R/W

MURPHY, MARY L

APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS
OCTOBER 2019

HOIER SURVEY

STATE OF WISCONSIN

N

PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	UTILITY PLAN - STH 15	SHEET E

PRE_54

FILE NAME : N:\PDS\C3D\11467571\SHEETSPLAN\11467571_023001_UP.DWG
LAYOUT NAME - 023012-UP

PLOT DATE : 1/25/2016 9:46 AM PLOT BY : SIMMONS, MASON A PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

2

MURPHY, MARY L

VILLAGE OF HORTONVILLE

WEYER

TLE

R/W

VILLAGE OF HORTONVILLE

P.L.

428'WB' 430'WB' 432'WB' 434'WB' 436'WB' 438'WB' 440'WB' 442'

428'EB' 430'EB' 432'EB' 434'EB' 436'EB' 438'EB' 440'EB' 442'

3/4"BAR

RUINS

VILLAGE OF HORTONVILLE

R/W

LEMKE, ALVIN H

HOIER PLAT OF SURVEY

HOIER, DONALD & BONNIE

HOIER, GERALD & ROSE

APPROVED FOR DESIGN OF UTILITY ADJUSTMENTS OCTOBER 2019

SEPV

SEPTIC

BANK

ZIEGLER, MICHAEL W

SLAB

PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	UTILITY PLAN - STH 15	SHEET E

PRE_55

FILE NAME : N:\PDS\C3D\11467571\SHEETSPLAN\11467571_023001_UP.DWG
LAYOUT NAME - 023013-UP

PLOT DATE : 1/25/2016 9:46 AM PLOT BY : SIMMONS, MASON A PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

2

WEYERS, ARNOLD J & MARY S

S, ARNOLD J & MARY S

WEYERS, ARNOLD J & MARY S

JOSSART, JOAN M SURVIVORS TRST

JOSSART, JOAN M

R/W

P.L.

444'WB' 446'WB' 448'WB' 450'WB' 452'WB' 454'WB' 456'WB'

444'EB' 446'EB' 448'EB' 450'EB' 452'EB' 454'EB' 456'EB'

WEYERS, ARNOLD J & MARY S

WEYERS, ARNOLD

LEMKE, ALVIN H JR

YOUNG

TLE

3/4"BAR

1"P

STH 15

FO

OH

RWGP

SEPC

SEPV

SEPTIC

SIGN

W

T

APPROVED FOR DESIGN OF UTILITY ADJUSTMENTS OCTOBER 2019

PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	UTILITY PLAN - STH 15	SHEET E

PRE_56

FILE NAME : N:\PDS\C3D\11467571\SHEETSPLAN\11467571_023001_UP.DWG
LAYOUT NAME - 023014-UP

PLOT DATE : 1/25/2016 9:47 AM PLOT BY : SIMMONS, MASON A PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

2

WATTERS, DAVID

YOUNG, RUTH M

JOSSART, JOAN M SURVIVORS TRST

TLE

R/W

R/W

454'WB' 456'WB' 458'WB' 460'WB' 462'WB' 464'WB' 466'WB'

454'EB' 456'EB' 458'EB' 460'EB' 462'EB' 464'EB' 466'EB'

P.L.

R/W

JOSSART, JOAN M SURVIVORS TRST

3/4"BAR

1"IP

FO

RWGP

STH 15

SIGN

R/W

YOUNG, RUTH M

R/W

P.L.

1"IP

CH

HOIER SURVEY

HOIER, REGINA

STILES, GARY & JANE

PLAT

PULS, GAIL M
WALSVIK, PENNY A
BLINK, JENNIFER L

P.L.

P.L.

P.L.

TLE

SEPC

SEPV

A/C

R.M. VENTURES LLC

N

APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS
OCTOBER 2019

PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	UTILITY PLAN - STH 15	SHEET E

PRE_57

FILE NAME : N:\PDS\C3D\11467571\SHEETSPLAN\11467571_023001_UP.DWG
LAYOUT NAME - 023015-UP

PLOT DATE : 1/25/2016 9:47 AM PLOT BY : SIMMONS, MASON A PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

2

N

R/W

TLE

OAK

12'MM'

14'MM'

16'MM'

18'MM'

20'MM'

22'MM'

24'MM'

26'MM'

CTH MM

CTH M

P.L.

WAGNER, LISA K

LOT 7 WILDWOOD VILLAGE

MERKT, PAUL J

ALBR BRUCE

LOT WILL

CISMOSKI, JAMES H

WILDWOOD VILLAGE

LOT 5 WILDWOOD VILLAGE

KORFEI A GERALD & ARDYTHE

THE ESTATE OF EMELINE A BREITRICK

GRIESBACH, PAUL A & JACKIE S

3/4"BAR

1-1/4"BAR

APPROVED FOR DESIGN OF UTILITY ADJUSTMENTS OCTOBER 2019

PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	UTILITY PLAN - CTH M/ CTH MM	SHEET	E

FILE NAME : N:\PDS\C3D\11467571\SHEETSPLAN\11467571_023001_UP.DWG
LAYOUT NAME - 023017-UP

PLOT DATE : 10/14/2019 10:38 AM PLOT BY : SIMMONS, MASON A PLOT NAME : PLOT SCALE : 1 IN:100 FT

CULVERT PIPE REINFORCED CONCRETE - STH 15

ALL ITEMS CATEGORY 0010

STATION	INLET OFFSET, FT	ELEVATION	STATION	OUTLET OFFSET, FT	ELEVATION	SLOPE	LOCATION	522.0112 CPRC CLASS III 12 - INCH L.F.	522.0118 CPRC CLASS III 18 - INCH L.F.	522.0124 CPRC CLASS III 24 - INCH L.F.	522.0130 CPRC CLASS III 30 - INCH L.F.	522.0136 CPRC CLASS III 36 - INCH L.F.	522.0142 CPRC CLASS III 42 - INCH L.F.	522.0154 CPRC CLASS III 54 - INCH L.F.	522.0418 CPRC CLASS IV 18 - INCH L.F.	522.0430 CPRC CLASS IV 30 - INCH L.F.	522.0460 CPRC CLASS IV 60 - INCH L.F.	522.0536 CPRC CLASS V 36 - INCH L.F.	522.0542 CPRC CLASS V 42 - INCH L.F.	522.2324 CPRCHE CLASS HE-III 24x38 - INCH L.F.	522.2348 CPRCHE CLASS HE-III 48x76 - INCH L.F.	522.2414 CPRCHE CLASS HE-IV 14x23 - INCH L.F.	522.2429 CPRCHE CLASS HE-IV 29x45 - INCH L.F.	628.7555 CULVERT PIPE CHECKS EACH	REMARKS
282+79	143.9 RT	784.17	283+91	231.7 LT	775.50	2.21%	STH 15 EB												392					1	CLASS B BEDDING REQ'D
288+52	146.2 RT	781.00	290+24	215.9 LT	772.80	2.04%	STH 15 EB											402						1	
290+40	32.3 RT	807.80	290+40	58.9 LT	796.50	2.05%	STH 15 WB		90															1	
297+22	108.8 RT	768.00	297+21	193.0 LT	767.70	0.10%	STH 15 EB										302							1	POND HYDRAULICS REQUIRES PLAN INV. BE UNCHANGED.
297+30	108.8 RT	768.00	297+30	193.0 LT	767.70	0.10%	STH 15 EB										302							1	
299+70	32.1 RT	782.30	299+70	58.2 LT	780.49	2.00%	STH 15 WB		90															1	
301+97	67.0 RT	774.80	302+98	144.0 LT	769.20	2.39%	STH 15 EB				234													1	
305+00	31.0 RT	775.46	305+00	72.6 LT	770.90	4.44%	STH 15 WB		104															1	
309+00	45.1 RT	773.80	309+00	25.0 LT	772.68	1.60%	STH 15 EB																70	1	INVERT BURIED 6"
309+00	25.0 RT	772.59	309+00	53.3 LT	772.40	0.24%	STH 15 WB																78	1	INVERT BURIED 6"
315+00	30.7 RT	772.00	315+00	56.4 LT	770.50	1.72%	STH 15 WB								88									1	
319+78	29.3 LT	769.22	319+94	29.7 LT	769.14	0.50%	STH 15 EB		16															1	MEDIAN
319+93	95.1 LT	768.00	319+95	134.8 LT	767.00	2.52%	STH 15 WB													40				1	FE
319+99	89.9 LT	768.00	320+02	137.7 LT	767.00	2.09%	STH 15 WB													48				1	FE
320+01	46.8 RT	769.80	319+87	115.3 LT	768.40	0.86%	STH 15 EB									162								1	
320+07	46.3 RT	769.80	319+93	115.4 LT	768.40	0.86%	STH 15 EB									162								1	
328+00	30.0 RT	766.00	328+00	73.2 LT	761.70	4.17%	STH 15 WB		104															1	
333+54	73.7 RT	759.10	333+50	135.8 LT	758.40	0.33%	STH 15 EB				210													1	
333+60	73.7 RT	759.10	333+56	135.9 LT	758.40	0.33%	STH 15 EB				210													1	
334+63	84.9 LT	759.00	335+33	84.0 LT	759.50	0.72%	STH 15 WB			70														1	FE
338+35	29.3 RT	761.00	338+35	64.1 LT	759.90	1.18%	STH 15 WB		94															1	
346+00	30.0 RT	760.20	346+00	50.4 LT	760.10	0.12%	STH 15 WB								86									1	
346+72	61.2 LT	760.50	346+45	62.2 LT	760.00	1.88%	STH 15 WB			28														1	FE
346+75	60.4 RT	760.80	346+49	61.1 LT	760.30	1.96%	STH 15 EB			26														1	FE
347+15	30.0 RT	759.62	346+00	30.0 RT	759.62	0.00%	STH 15 WB								116									1	TO STA 346+00
352+00	30.0 RT	761.50	352+00	56.9 LT	760.60	1.03%	STH 15 WB								88									1	
359+00	30.0 RT	770.00	359+00	78.8 LT	763.40	6.06%	STH 15 WB		108															1	
359+90	76.8 RT	762.60	359+84	137.3 LT	762.20	0.19%	STH 15 EB							214										1	
366+00	29.7 RT	783.00	366+00	93.3 LT	773.60	7.71%	STH 15 WB		136															1	
374+30	31.3 RT	808.00	374+30	64.9 LT	807.04	1.00%	STH 15 WB		96															1	
384+00	22.2 RT	835.85	384+00	58.3 LT	833.00	3.54%	STH 15 WB		80															1	
390+00	37.9 RT	840.00	390+00	65.6 LT	838.97	1.00%	STH 15 WB								132									1	
392+28	177.4 LT	820.60	392+28	157.7 RT	804.80	4.72%	STH 15 EB											336						1	
394+45	193.6 RT	802.70	394+45	215.1 RT	801.70	4.67%	STH 15 EB			22														1	POND 394
398+00	30.5 RT	835.50	398+00	69.3 LT	833.10	2.40%	STH 15 WB		100															1	
401+69	106.5 RT	820.80	401+23	106.5 RT	820.20	1.29%	STH 15 EB	46																1	POND 402
402+00	117.5 LT	831.00	402+00	63.4 RT	828.92	1.16%	STH 15 EB					180												1	
403+79	30.4 LT	829.00	403+79	83.9 RT	827.90	5.25%	STH 15 EB		114															1	
410+50	30.5 LT	837.30	410+50	61.3 RT	836.30	1.09%	STH 15 EB								92									1	
425+00	30.0 LT	834.09	425+00	59.0 RT	830.90	1.12%	STH 15 EB								88									1	
430+72	151.7 LT	815.00	430+95	98.9 RT	813.20	0.72%	STH 15 EB						252											1	
432+00	30.0 LT	820.00	432+00	96.6 RT	815.10	3.87%	STH 15 EB		104															1	
434+32	59.8 LT	826.80	433+59	63.8 LT	825.30	2.05%	STH 15 WB			74														1	FE
440+00	19.3 LT	830.05	440+00	45.7 RT	829.80	0.38%	STH 15 EB		66															1	
447+67	58.5 LT	834.30	448+27	60.1 LT	834.30	0.00%	STH 15 WB			60														1	FE
448+60	31.1 RT	834.20	448+50	51.6 LT	834.10	0.12%	STH 15 WB																82	1	
453+29	132.4 LT	829.60	451+87	84.8 RT	826.90	1.04%	STH 15 EB														260			1	
457+00	30.0 LT	838.00	457+00	81.8 RT	835.00	2.68%	STH 15 EB		112															1	
465+00	30.0 LT	861.20	465+00	55.4 RT	860.90	0.35%	STH 15 EB								86									1	
							TOTAL	**46**	**1414**	**280**	**654**	**180**	**252**	**214**	**776**	**324**	**604**	**738**	**392**	**88**	**260**	**82**	**148**	**49**	

APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS
OCTOBER 2016

APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE - STAGE 1

ALL ITEMS CATEGORY 0010

STATION	INLET OFFSET, FT	ELEVATION	STATION	OUTLET OFFSET, FT	ELEVATION	LOCATION	522.1012 AEW FOR CPRC 12 - INCH EACH	522.1018 AEW FOR CPRC 18 - INCH EACH	522.1024 AEW FOR CPRC 24 - INCH EACH	522.1030 AEW FOR CPRC 30 - INCH EACH	522.1036 AEW FOR CPRC 36 - INCH EACH	522.1042 AEW FOR CPRC 42 - INCH EACH	522.1054 AEW FOR CPRC 54 - INCH EACH	522.1060 AEW FOR CPRC 60 - INCH EACH	522.2614 AEW FOR CPRC 14x23 -INCH EACH	522.2624 AEW FOR CPRC 24x38 -INCH EACH	522.2629 AEW FOR CPRC 29x45 -INCH EACH	522.2648 AEW FOR CPRC 48x76 -INCH EACH	633.5200 MARKERS CULVERT END EACH	611.9800.S PIPE GRATES EACH
282+79	143.9 RT	784.17	283+91	231.7 LT	775.50	STH 15 EB						2							2	
288+52	146.2 RT	781.00	290+24	215.9 LT	772.80	STH 15 EB					2								2	
290+40	32.3 RT	807.80	290+40	58.9 LT	796.50	STH 15 WB		1											1	
297+22	108.8 RT	768.00	297+21	193.0 LT	767.70	STH 15 EB								2					2	
297+30	108.8 RT	768.00	297+30	193.0 LT	767.70	STH 15 EB								2					2	
299+70	32.1 RT	782.30	299+70	58.2 LT	780.49	STH 15 WB		1											1	
301+97	67.0 RT	774.80	302+98	144.0 LT	769.20	STH 15 EB				2									2	
305+00	31.0 RT	775.46	305+00	72.6 LT	770.90	STH 15 WB		1											1	
309+00	45.1 RT	773.80	309+00	25.0 LT	772.68	STH 15 EB											1		1	
309+00	25.0 RT	772.59	309+00	53.3 LT	772.40	STH 15 WB											1		1	
315+00	30.7 RT	772.00	315+00	56.4 LT	770.50	STH 15 WB		1											1	
319+78	29.3 LT	769.22	319+94	29.7 LT	769.14	STH 15 EB														
319+93	95.1 LT	768.00	319+95	134.8 LT	767.00	STH 15 WB										2				
319+99	89.9 LT	768.00	320+02	137.7 LT	767.00	STH 15 WB										2				
320+01	46.8 RT	769.80	319+87	115.3 LT	768.40	STH 15 EB				2									2	
320+07	46.3 RT	769.80	319+93	115.4 LT	768.40	STH 15 EB				2									2	
328+00	30.0 RT	766.00	328+00	73.2 LT	761.70	STH 15 WB		1											1	
333+54	73.7 RT	759.10	333+50	135.8 LT	758.40	STH 15 EB				2									2	
333+60	73.7 RT	759.10	333+56	135.9 LT	758.40	STH 15 EB				2									2	
334+63	84.9 LT	759.00	335+33	84.0 LT	759.50	STH 15 WB			2											
338+35	29.3 RT	761.00	338+35	64.1 LT	759.90	STH 15 WB		1											1	
346+00	30.0 RT	760.20	346+00	50.4 LT	760.10	STH 15 WB		1											1	
346+72	61.2 LT	760.50	346+45	62.2 LT	760.00	STH 15 WB			2											
346+75	60.4 RT	760.80	346+49	61.1 LT	760.30	STH 15 EB			2											
347+15	30.0 RT	759.62	346+00	30.0 RT	759.62	STH 15 WB														
352+00	30.0 RT	761.50	352+00	56.9 LT	760.60	STH 15 WB		1											1	
359+00	30.0 RT	770.00	359+00	78.8 LT	763.40	STH 15 WB		1											1	
359+90	76.8 RT	762.60	359+84	137.3 LT	762.20	STH 15 EB							2						2	
366+00	29.7 RT	783.00	366+00	93.3 LT	773.60	STH 15 WB		1											1	
374+30	31.3 RT	808.00	374+30	64.9 LT	807.04	STH 15 WB		1											1	1
384+00	22.2 RT	835.85	384+00	58.3 LT	833.00	STH 15 WB		1											1	
390+00	37.9 RT	840.00	390+00	65.6 LT	838.97	STH 15 WB		1											1	
392+28	177.4 LT	820.60	392+28	157.7 RT	804.80	STH 15 EB					2								2	2
394+45	193.6 RT	802.70	394+45	215.1 RT	801.70	STH 15 EB			1										1	1
398+00	30.5 RT	835.50	398+00	69.3 LT	833.10	STH 15 WB		1											1	1
401+69	106.5 RT	820.80	401+23	106.5 RT	820.20	STH 15 EB	2												2	2
402+00	117.5 LT	831.00	402+00	63.4 RT	828.92	STH 15 EB					2								2	2
403+79	30.4 LT	829.00	403+79	83.9 RT	827.90	STH 15 EB		1											1	1
410+50	30.5 LT	837.30	410+50	61.3 RT	836.30	STH 15 EB		1											1	
425+00	30.0 LT	832.00	425+00	59.0 RT	831.00	STH 15 EB		1											1	
430+72	151.7 LT	815.00	430+95	98.9 RT	813.20	STH 15 EB						2							2	
432+00	30.0 LT	820.00	432+00	96.6 RT	815.10	STH 15 EB		1											1	
434+32	59.8 LT	826.80	433+59	63.8 LT	825.30	STH 15 WB			2											
440+00	19.3 LT	830.05	440+00	45.7 RT	829.80	STH 15 EB		1											1	
447+67	58.5 LT	834.30	448+27	60.1 LT	834.30	STH 15 WB			2											
448+60	31.1 RT	834.20	448+50	51.6 LT	834.10	STH 15 WB									1				1	
453+29	132.4 LT	829.60	451+87	84.8 RT	826.90	STH 15 EB												2	2	
457+00	30.0 LT	838.00	457+00	81.8 RT	835.00	STH 15 EB		1											1	
465+00	30.0 LT	861.20	465+00	55.4 RT	860.90	STH 15 EB		1											1	1
						TOTAL	**2**	**21**	**11**	**10**	**6**	**4**	**2**	**4**	**1**	**4**	**2**	**2**	**55**	**11**

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OF UTILITY ADJUSTMENTS
OCTOBER 2019

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CULVERT PIPE REINFORCED CONCRETE - SIDE ROADS

ALL ITEMS CATEGORY 0010

STATION	INLET OFFSET, FT	ELEVATION	STATION	OUTLET OFFSET, FT	ELEVATION	SLOPE	LOCATION	522.0118 CPRC CLASS III 18 - INCH L.F.	522.0124 CPRC CLASS III 24 - INCH L.F.	522.0136 CPRC CLASS III 36-INCH L.F.	522.0318 CPRC CLASS IV 18 - INCH L.F.	522.2319 CPRCHE CLASS IV 19x30 - INCH L.F.	522.2424 CPRCHE CLASS HE-IV 24x38 - INCH L.F.	628.7555 CULVERT PIPE CHECKS EACH	REMARKS
22+60	13.18 RT	787.27	22+71	14.46 LT	787.12	0.50%	SAMBS DWY			30					
10+64	37.3 RT	778.15	10+64	29.2 LT	777.50	0.98%	CTH MM						66	1	
10+72	32.7 RT	778.15	10+72	26.2 LT	777.50	0.98%	CTH MM						60	1	
15+43	34.1 LT	792.75	15+09	24.0 LT	790.75	5.89%	CTH MM	34				60		1	
15+45	38.8 RT	794.50	15+03	35.7 RT	792.00	5.97%	CTH MM		42			60		1	
25+00	24.0 RT	828.33	25+00	24.0 LT	825.84	5.22%	CTH MM				40			1	PE
25+79	32.0 LT	825.80	25+59	33.6 LT	825.50	1.46%	CTH MM	20						1	
							TOTAL	**54**	**42**	**30**	**40**	**120**	**126**	**6**	

APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE - SIDE ROADS

ALL ITEMS CATEGORY 0010

STATION	INLET OFFSET, FT	ELEVATION	STATION	OUTLET OFFSET, FT	ELEVATION	LOCATION	522.1018 AEW FOR CPRC 18 - INCH EACH	522.1024 AEW FOR CPRC 24 - INCH EACH	522.1036 AEW FOR CPRC 36 - INCH EACH	522.2619 AEW FOR CPRC 19x30 -INCH EACH	522.2624 AEW FOR CPRC 24x38 -INCH EACH	633.5200 MARKERS CULVERT END EACH	REMARKS
22+60	13.18 RT	787.27	22+71	14.46 LT	787.12	SAMBS DWY			2				
10+64	37.3 RT	778.15	10+64	29.2 LT	777.50	CTH MM					2	2	
10+72	32.7 RT	778.15	10+72	26.2 LT	777.50	CTH MM					2	2	
15+43	34.1 LT	792.75	15+09	24.0 LT	790.75	CTH MM	2			2		4	
15+45	38.8 RT	794.50	15+03	35.7 RT	792.00	CTH MM		2		2		4	
25+00	24.0 RT	828.33	25+00	24.0 LT	825.84	CTH MM	2					2	PE
25+79	32.0 LT	825.80	25+59	33.6 LT	825.50	CTH MM	2						
						TOTAL	**6**	**2**	**2**	**4**	**4**	**14**	

DRAINAGE ITEM NOTES:

1) JOINT TIES FOR CONCRETE PIPE SHALL BE PROVIDED AT ALL CONCRETE APRON ENDWALLS.
   APRON ENDWALLS SHALL BE TIED FOR THE LAST THREE JOINTS AT PIPE ENDS.
   THE COST OF THESE TIES SHALL BE INCIDENTAL TO THE COST OF THE PIPE.
2) STATIONS AND OFFSETS ARE TO THE CENTER OF STRUCTURE OR TO THE END OF PIPE WHERE THERE IS AN ENDWALL.

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STORM SEWER STRUCTURE SUMMARY

STATION	LOCATION	OFFSET, FT	611.0612 INL. COVER TYPE C EACH	611.0530 MH COVER TYPE J EACH	611.0624 INL. COVER TYPE H EACH	611.0642 INL. COVER TYPE MS* EACH	611.2004 MH 4-FT EACH	611.2005 MH 5-FT EACH	611.2006 MH 6-FT EACH	611.2044 MH 4x4-FT EACH	611.3230 INLET 2x3 - FT EACH	611.3901 INLET MEDIAN 1 GRATE EACH	RIM/GRATE ELEVATION	DISCHARGE ELEVATION	STRUCTURE DEPTH, FT	REMARKS
18+73	CTH M	16.7 RT		1				1					793.09	788.35	3.95	
18+73	CTH M	40.7 RT				1						1	795.00	790.00	5.17	
21+00	CTH M	16.8 RT		1						1			789.36	785.13	3.44	
21+00	CTH M	21.0 RT			1						1		789.23	786.51	2.06	
22+50	CTH M	16.7 RT		1					1				787.34	783.00	3.64	
22+86	CTH M	34.8 RT											--	--	--	AEW
108+08	NASH ST	34.1 RT											817.75	814.10	--	EXISTING, (1)
108+33	NASH ST	92.1 LT				1						1	821.50	815.80	5.87	POND 387 RT, (2)
111+18	NASH ST	22.9 RT	1				1						830.37	825.94	3.52	COLLARS REQ'D
111+18	NASH ST	204.4 LT				1						1	833.50	827.50	6.17	POND 387 LT, (3)
		TOTAL	**1**	**3**	**1**	**3**	**1**	**1**	**1**	**1**	**1**	**3**				

IO SLOPE INLET COVERS FOR 1G-MS
ILLING REQ'D FOR 12-IN SSPRC
ORIFICE FOR 12" SS PIPE INV. 819.40 SIDE OPPOSITE STRUCTURE DISCHARGE
ORIFICE FOR 12" SS PIPE INV. 829.90 SIDE OPPOSITE STRUCTURE DISCHARGE

ALL ITEMS CATEGORY 0010

STORM SEWER PIPE SUMMARY

FROM STR.	TO STR.	INLET ELEVATION	DISCHARGE ELEVATION	SLOPE	523.0529 AEW FOR SSPRCHE 29x45 - INCH EACH	608.0312 SSPRC CLASS III 12 - INCH L.F.	608.0315 SSPRC CLASS III 15 - INCH L.F.	608.0412 SSPRC CLASS IV 12 - INCH L.F.	608.0430 SSPRC CLASS IV 30 - INCH L.F.	608.2429 SSPRCHE CLASS HE-IV 29x45 - INCH L.F.	611.9800.S PIPE GRATES EACH	633.5200 MARKERS CULVERT END EACH	REMARKS
86	87	785.13	783.00	0.0142					150				
86.1	86	786.51	786.40	2.37%				4					
87	88	783.00	782.80	0.50%	1					40	1	1	
---	1.2	819.50	819.40	1.62%		6							POND 387 RT, (1)
1.2	1.1	815.80	814.20	2.50%		64							POND 387 RT
---	2.1	830.00	829.90	0.76%		13							POND 387 LT, (2)
2.1	2.0	827.50	826.00	0.66%		227							POND 387 LT
---	2.0	826.25	826.03	4.48%			6						STUB/COLLAR
2.0	---	825.83	825.56	3.61%			6						STUB/COLLAR
				TOTAL	**1**	**310**	**12**	**4**	**150**	**40**	**1**	**1**	

(1) PROVIDE PVC PIPE CAP W/ 6-IN DIA. ORIFICE. INCIDENTAL TO PIPE.
(2) PROVIDE PVC PIPE CAP W/ 8-IN DIA. ORIFICE. INCIDENTAL TO PIPE.

ALL ITEMS CATEGORY 0010

APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS
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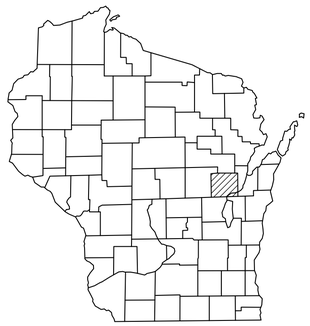
MEDIAN INLET SUMMARY

STATION	OFFSET, FT	LOCATION	611.3901 INLET MEDIAN 1 GRATE EACH	611.3902 INLET MEDIAN 2 GRATE EACH	611.3903 INLET MEDIAN 3 GRATE EACH	611.3904 INLET MEDIAN 4 GRATE EACH	611.0642 INLET COVER* TYPE MS EACH	611.2005 MH 5-FT EACH	611.053 MH COVER TYPE J EACH	RIM/GRATE ELEVATION	DISCHARGE ELEVATION	STRUCTURE DEPTH, FT	REMARKS
290+40	32.3 RT	STH 15 WB	1				1			810.81	807.80	3.22	
299+70	32.1 RT	STH 15 WB	1				1			785.32	782.30	3.23	
305+00	31.0 RT	STH 15 WB	1				1			777.59	775.46	2.34	
315+00	30.7 RT	STH 15 WB	1				1			773.75	771.37	2.59	
319+78	29.3 LT	STH 15 EB	1				1			772.04	769.22	3.03	TO JUNCTION MH
319+94	29.7 LT	STH 15 EB						1	1	772.75	769.14	2.82	JUNCTION MH
328+00	30.0 RT	STH 15 WB	1				1			769.16	766.00	3.37	
333+52	30.5 RT	STH 15 WB		1			2			767.34	758.75	8.88	CROSS CULVERT
338+35	29.3 RT	STH 15 WB	1				1			765.25	761.00	4.46	
346+00	30.0 RT	STH 15 WB		1			2			762.10	760.20	2.69	0.58' SUMP
347+15	30.0 RT	STH 15 WB		1			2			762.08	759.62	2.67	TO STA 346+00
352+00	30.0 RT	STH 15 WB	1				1			764.00	761.50	2.71	
359+00	30.0 RT	STH 15 EB	1				1			772.27	770.00	2.48	
366+00	29.7 RT	STH 15 WB	1				1			786.11	783.00	3.32	
374+30	31.3 RT	STH 15 WB	1				1			810.56	808.00	2.77	
384+00	22.2 RT	STH 15 WB				1	4			837.75	835.85	2.09	
390+00	37.9 RT	STH 15 WB	1				1			843.00	840.00	3.19	
394+45	193.6 RT	STH 15 EB		1			2			805.50	802.70	3.05	POND 394**
398+00	30.5 RT	STH 15 WB	1				1			838.50	835.50	3.21	
403+79	30.4 LT	STH 15 EB		1			2			834.46	829.00	5.67	
410+50	30.5 LT	STH 15 EB	1				1			839.70	837.30	2.61	
425+00	30.0 LT	STH 15 EB	1				1			834.00	832.00	2.21	
432+00	30.0 LT	STH 15 EB		1			2			827.40	820.00	7.61	
440+00	19.3 LT	STH 15 EB				1	4			831.93	830.05	2.09	
448+60	31.1 RT	STH 15 WB		1			2			835.79	834.20	1.82	
457+00	30.0 LT	STH 15 EB	1				1			843.60	838.00	5.81	
465+00	30.0 LT	STH 15 EB	1				1			863.10	861.20	2.11	
		TOTAL	**17**	**7**	**0**	**2**	**39**	**1**	**1**				

* PROVIDE SINGLE SLOPE INLET COVERS FOR 1G-MS
PROVIDE TWO SLOPE INLET COVERS FOR 2G-MS
** PROVIDE 8" DIA. ORIFICE INV. 805.50 SIDE OPPOSITE STRUCTURE DISCHARGE

ALL ITEMS CATEGORY 0010

APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS
OCTOBER 2019



STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

TRANSPORTATION PROJECT PLAT TITLE SHEET

PROJECT NO. 1146-75-22

STH 76 - NEW LONDON
(LILY OF THE VALLEY DRIVE - USH 45)

STH 15

OUTAGAMIE COUNTY

NOTES:

COORDINATES AND BEARINGS SHOWN ON THIS PLAT ARE REFERENCED TO THE WISCONSIN COUNTY COORDINATE SYSTEM, OUTAGAMIE COUNTY ZONE, ENGLISH, NAD83(2007) ADJUSTMENT. THE COORDINATES SHOWN ARE GRID COORDINATES AND ARE TO BE USED AS GRID OR GROUND VALUES ON THIS PLAT.

RIGHT-OF-WAY MONUMENTS ARE TYPE 2 MONUMENTS AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT. TYPE 2 MONUMENTS ARE TYPICALLY 1" I.D. x 24" IRON PIPES WEIGHING 1.68 LBS/FT. UNLESS OTHERWISE NOTED.

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

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

NOT WITHSTANDING ITS DEPICTION ON A PLAT, THE BOUNDARY OF A PARCEL EXTENDS TO THE BOUNDARY OF THE ADJOINING PROPERTY PARCEL OR BODY OF WATER.

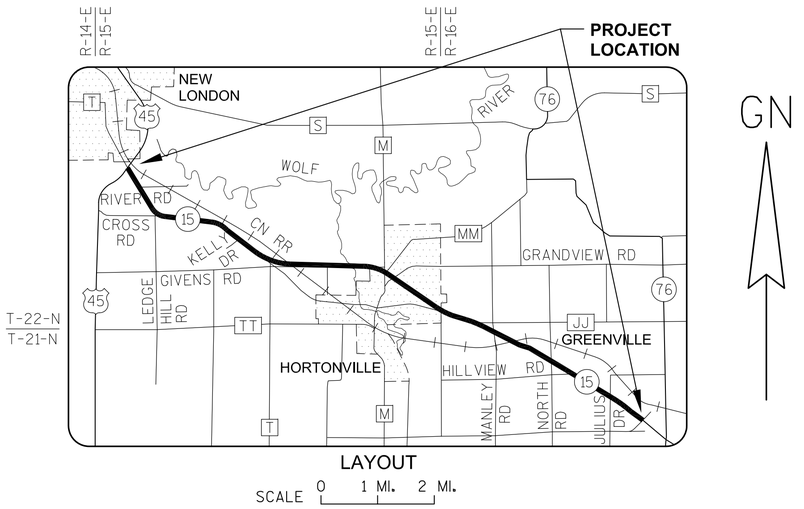
A TEMPORARY LIMITED EASEMENT (TLE) IS A RIGHT FOR CONSTRUCTION PURPOSES, AS DEFINED HEREIN, INCLUDING THE RIGHT TO OPERATE NECESSARY EQUIPMENT THEREON AND THE RIGHT OF INGRESS AND EGRESS, AS LONG AS REQUIRED FOR SUCH PUBLIC PURPOSE, INCLUDING THE RIGHT TO PRESERVE, PROTECT, REMOVE, OR PLANT THEREON ANY VEGETATION THAT THE HIGHWAY AUTHORITIES MAY DEEM NECESSARY OR DESIRABLE. ALL TLEs EXPIRE AT THE COMPLETION OF THE CONSTRUCTION PROJECT FOR WHICH THIS INSTRUMENT IS GIVEN.

A PERMANENT LIMITED EASEMENT (PLE) IS A RIGHT FOR CONSTRUCTION AND MAINTENANCE PURPOSES, AS DEFINED HEREIN, INCLUDING THE RIGHT TO OPERATE THE NECESSARY EQUIPMENT THEREON AND THE RIGHT OF INGRESS AND EGRESS AS LONG AS REQUIRED FOR SUCH PUBLIC PURPOSE, INCLUDING THE RIGHT TO PRESERVE, PROTECT, REMOVE OR PLANT THEREON ANY VEGETATION THAT THE HIGHWAY AUTHORITIES MAY DEEM NECESSARY OR DESIRABLE, BUT WITHOUT PREJUDICE TO THE OWNER'S RIGHT TO MAKE OR CONSTRUCT IMPROVEMENTS ON SAID LANDS OR TO FLATTEN THE SLOPES, PROVIDING SAID ACTIVITIES WILL NOT IMPAIR OR OTHERWISE ADVERSELY AFFECT THE HIGHWAY FACILITIES.

A HIGHWAY EASEMENT (HE) IS AN EASEMENT FOR HIGHWAY PURPOSES, AS LONG AS SO USED, INCLUDING THE RIGHT TO PRESERVE, PROTECT, REMOVE OR PLANT THEREON ANY VEGETATION THAT THE HIGHWAY AUTHORITIES MAY DEEM NECESSARY OR DESIRABLE.

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

FOR CURRENT ACCESS/DRIVEWAY INFORMATION, CONTACT THE WISCONSIN DEPARTMENT OF TRANSPORTATION REGION OFFICE IN GREEN BAY.

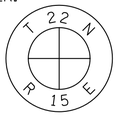


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CONVENTIONAL SYMBOLS AND ABBREVIATIONS

SECTION LINE		AC	ACRES
QUARTER LINE		ACC	ACCESS CONTROL
SIXTEENTH LINE		AP	ACCESS POINT
NEW REFERENCE LINE		BAR	ROUND IRON REBAR
NEW R/W LINE		BLDG	BUILDING
EXISTING R/W LINE		C	CURVE
PROPERTY LINE	P.L.	CSM	CERTIFIED SURVEY MAP
LOT AND TIE LINES		DOC	DOCUMENT
UNDERGROUND FACILITY	G (TYPE)	E	ELECTRIC CABLE
TEMP. LIMITED EASEMENT		EX	EXISTING
PERM. LIMITED EASEMENT		FO	FIBER OPTIC CABLE
R/W MONUMENT (SET)		FRAC	FRACTIONAL
IRON PIPE OR BAR (FOUND)		G	GAS MAIN
SIGN		GAR	GARAGE
POWER POLE		H	HOUSE
TELEPHONE POLE		HE	HIGHWAY EASEMENT
UTILITY PEDESTAL		INL	INLET
LIGHT POLE		IP	IRON PIPE
POLE		J/I	JACKET/IMAGE
MANHOLE		MC	MEANDER CORNER
INLET		MH	MANHOLE
HYDRANT		M/L	MEANDER LINE
VALVE		N.T.	NON-TANGENT
R/W GUARD POST		OH	OVERHEAD UTILITY LINE
P. POLE (COMPENSABLE)		OL	OUTLOT
PEDESTAL (COMPENSABLE)		PID	TAX PARCEL IDENTIFICATION NUMBER
RECORDED AS	(SLANTED)	PERM	PERMANENT
SAME OWNERSHIP		P.L.	PROPERTY LINE
ACCESS RESTRICTED (BY ACQUISITION)		PLE	PERMANENT LIMITED EASEMENT
ACCESS RESTRICTED (BY PREVIOUS PROJECT/CONTROL)		POS	PLAT OF SURVEY
NO ACCESS (BY STATUTORY AUTHORITY)		PP	POWER POLE
POINT NUMBER, MAJOR	X	R/L	REFERENCE LINE
POINT NUMBER, MINOR	X	ROR	RELEASE OF RIGHTS
POINT NUMBER, EXISTING IRON PIPES / MONUMENTS	X	R/W	RIGHT OF WAY
		RWGP	R/W GUARD POST
		SAN	SANITARY SEWER
		SEC	SECTION
		SS	STORM SEWER
		T	TELEPHONE CABLE
		TEMP	TEMPORARY
		TLE	TEMPORARY LIMITED EASEMENT
		TV	CABLE TELEVISION
		VAR	VARIES
		V/P	VOLUME/PAGE

SECTION CORNER:



APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS
OCTOBER 2014

REVISED: 05/01/2014

040400_15.DWG

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1146-75-22-4.01
SHEET 2 OF 2
AMENDMENT NO:

APPRAISAL PLAT DATE:

TRANSPORTATION PROJECT PLAT NO: 1146-75-22 - 4.18 AMENDMENT NO: 1

AMENDS PARCEL 57 OF TRANSPORTATION PROJECT PLAT 1146-75-22-4.18, RECORDED AS DOCUMENT #2037962. PART OF THE NE1/4-SE1/4 AND PART OF THE SE1/4-SE1/4 OF SECTION 28, T22N, R15E, ALL IN THE TOWN OF HORTONIA, OUTAGAMIE COUNTY, WISCONSIN

RELOCATION ORDER - STH 15 (LILY OF THE VALLEY DRIVE - USH 45), OUTAGAMIE COUNTY

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE NAMED PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SUBSECTION 84.02 (3), 84.09 AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:
1) THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE NAMED PROJECT.
2) THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SUBSECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

Document #: **2064106**
Date: **01-21-2016** Time: **09:05 AM**
Pages: **1** Fee: **$25.00**
County: **OUTAGAMIE COUNTY** State: **WI**

SARAH R VAN CAMP, REGISTER OF DEEDS
This document has been electronically recorded and returned to:
WiDotNeRegionGreenbay

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1146-75-22- 4.18
AMENDMENT NO: 1

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2 OF TRANSPORTATION PROJECT PLAT NO: 1146-75-22 - 4.01, AS DOCUMENT #2016623 FOR ADDITIONAL INFORMATION.

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.

PARCEL NUMBER	OWNER (S)	INTEREST REQUIRED	R/W ACRES REQUIRED NEW	EXISTING	TOTAL	TLE ACRES TEMP.
56	KEVIN SAMBS	FEE, ACCESS RIGHTS, TLE	11.302	0	11.302	0.921
57	ELIZABETH GAIGG	FEE, TLE	0.034	0	0.034	0.839

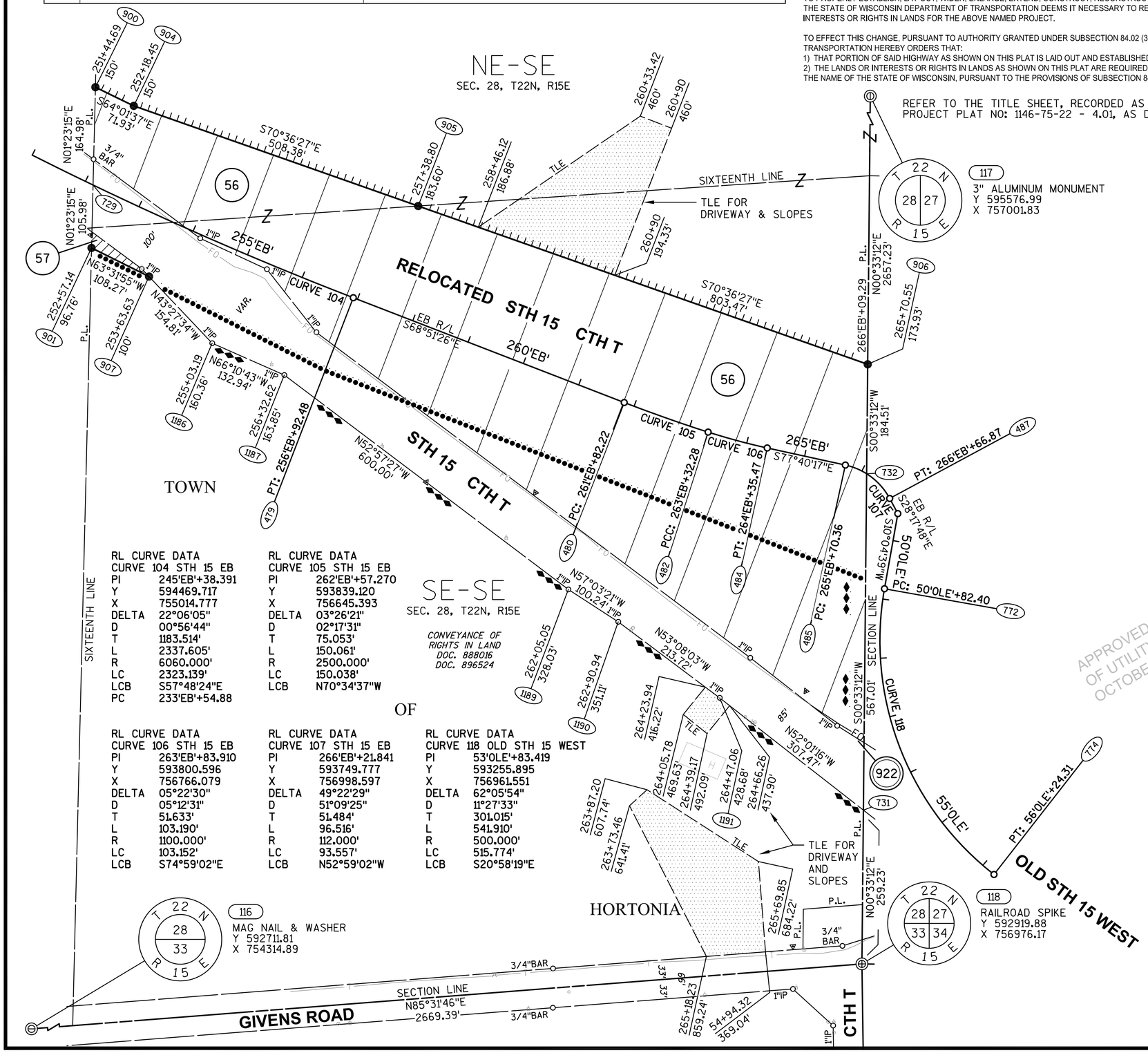
UTILITY INTERESTS REQUIRED:

922	AT&T WISCONSIN	RELEASE OF RIGHTS

BASIS OF EXISTING HIGHWAY R/W

ROUTE	BASIS	YEAR
STH 15 AND CTH T	TPP NO: 6430-06-00 - 4.12	2011

EXISTING ACCESS CONTROL: PROJECT 1146-1-22/F 07(19)

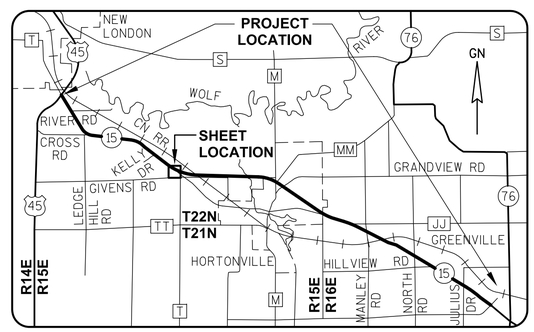


GN

SCALE, FEET
0' 100' 200'

WISCONSIN
JAY W. PANETTI S-2747 WAUPUN, WI
LAND SURVEYOR

APPROVED FOR DESIGN OF UTILITY ADJUSTMENTS OCTOBER 2019



GREMMER & ASSOCIATES, INC.
CONSULTING ENGINEERS
Stevens Point • Fond du Lac

I, JAY W. PANETTI, PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION, I HAVE SURVEYED AND MAPPED TRANSPORTATION PROJECT PLAT 1146-75-22-4.18, AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

DATE 12/28/2015 JAY W. PANETTI
PLS S-2747, FOR GREMMER & ASSOCIATES, INC.

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION.

DATE 1/19/2016 CURT VAN EREM
REAL ESTATE SUPERVISOR

040418_15.DWG REVISED: 12/28/2015

APPRAISAL PLAT DATE:

TRANSPORTATION PROJECT PLAT NO: 1146-75-22 - 4.18

PART OF THE NE1/4-SE1/4 AND PART OF THE SE1/4-SE1/4 OF SECTION 28, T22N, R15E, ALL IN THE TOWN OF HORTONIA, OUTAGAMIE COUNTY, WISCONSIN

RELOCATION ORDER - STH 15 (LILY OF THE VALLEY DRIVE - USH 45), OUTAGAMIE COUNTY

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE NAMED PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SUBSECTION 84.02 (3), 84.09 AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:
1) THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE NAMED PROJECT.
2) THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SUBSECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2 OF TRANSPORTATION PROJECT PLAT NO: 1146-75-22 - 4.01, AS DOCUMENT #2016623 FOR ADDITIONAL INFORMATION.

Document #: **2037962**
Date: **03-16-2015** Time: **08:28 AM**
Pages: **1** Fee: **$25.00**
County: **OUTAGAMIE COUNTY** State: **WI**

SARAH R VAN CAMP , REGISTER OF DEEDS
The above recording information verifies this document has been electronically recorded and returned to the submitter

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1146-75-22- 4.18
AMENDMENT NO:

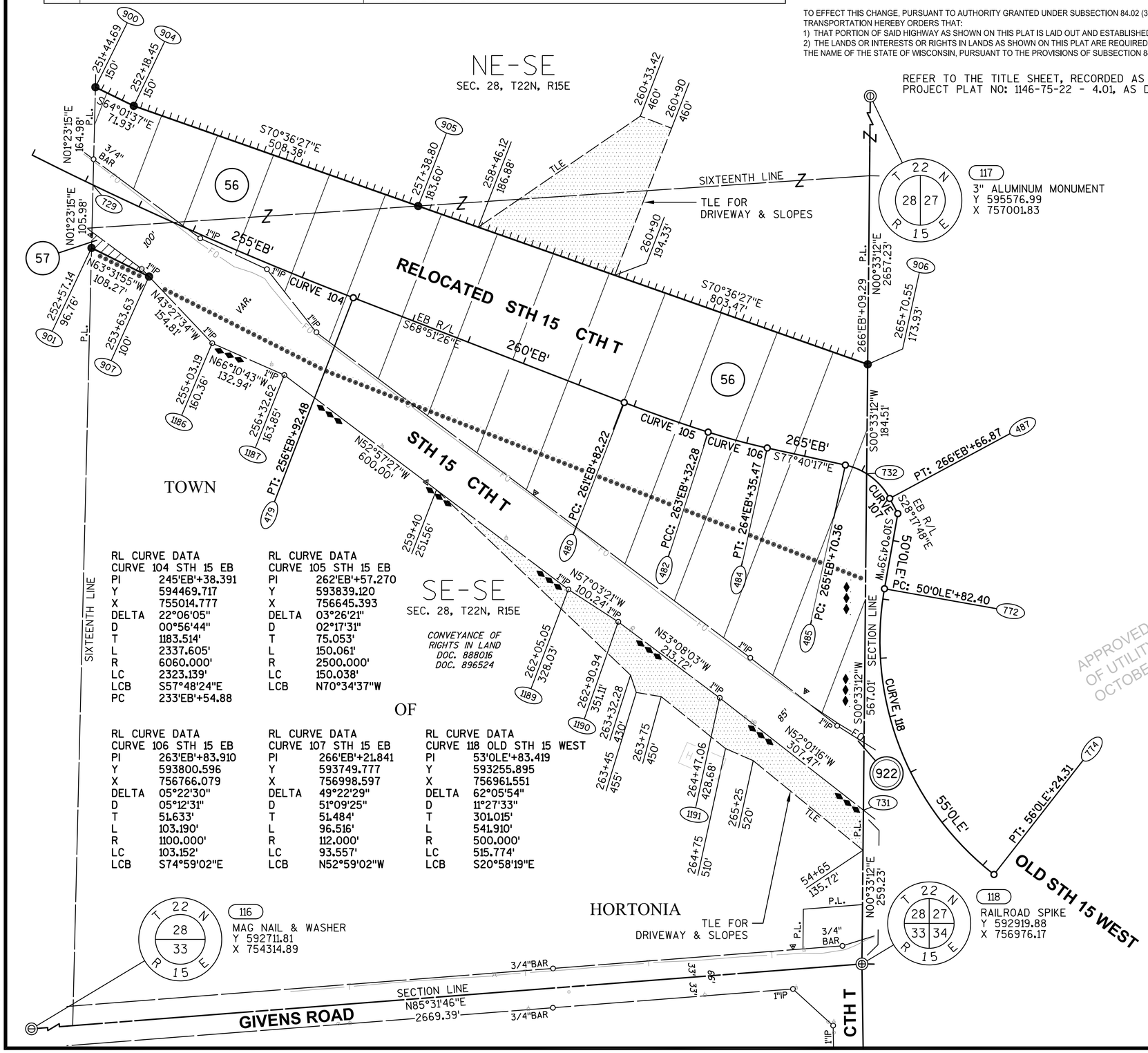
SCHEDULE OF LANDS & INTERESTS REQUIRED

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

PARCEL NUMBER	OWNER (S)	INTEREST REQUIRED	R/W ACRES REQUIRED NEW	EXISTING	TOTAL	TLE ACRES TEMP.
56	KEVIN SAMBS	FEE, ACCESS RIGHTS, TLE	11.302	0	11.302	0.921
57	ELIZABETH GAIGG	FEE, TLE	0.034	0	0.034	0.895

UTILITY INTERESTS REQUIRED:

922	AT&T WISCONSIN	RELEASE OF RIGHTS



RL CURVE DATA CURVE 104 STH 15 EB		RL CURVE DATA CURVE 105 STH 15 EB	
PI	245'EB'+38.391	PI	262'EB'+57.270
Y	594469.717	Y	593839.120
X	755014.777	X	756645.393
DELTA	22°06'05"	DELTA	03°26'21"
D	00°56'44"	D	02°17'31"
T	1183.514'	T	75.053'
L	2337.605'	L	150.061'
R	6060.000'	R	2500.000'
LC	2323.139'	LC	150.038'
LCB	S57°48'24"E	LCB	N70°34'37"W
PC	233'EB'+54.88		

RL CURVE DATA CURVE 106 STH 15 EB		RL CURVE DATA CURVE 107 STH 15 EB		RL CURVE DATA CURVE 118 OLD STH 15 WEST	
PI	263'EB'+83.910	PI	266'EB'+21.841	PI	53'0LE'+83.419
Y	593800.596	Y	593749.777	Y	593255.895
X	756766.079	X	756998.597	X	756961.551
DELTA	05°22'30"	DELTA	49°22'29"	DELTA	62°05'54"
D	05°12'31"	D	51°09'25"	D	11°27'33"
T	51.633'	T	51.484'	T	301.015'
L	103.190'	L	96.516'	L	541.910'
R	1100.000'	R	112.000'	R	500.000'
LC	103.152'	LC	93.557'	LC	515.774'
LCB	S74°59'02"E	LCB	N52°59'02"W	LCB	S20°58'19"E

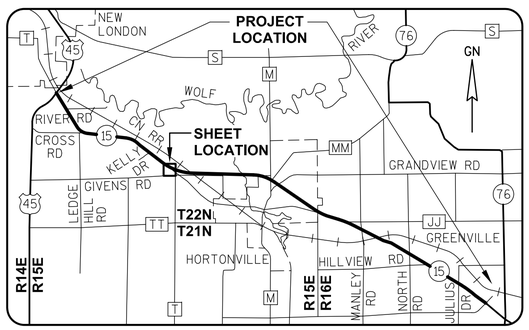
BASIS OF EXISTING HIGHWAY R/W

ROUTE	BASIS	YEAR
STH 15 AND CTH T	TPP NO: 6430-06-00 - 4.12	2011

EXISTING ACCESS CONTROL: PROJECT 1146-1-22/F 07(19)

GN

SCALE, FEET
0' 100' 200'



APPROVED FOR DESIGN OF UTILITY ADJUSTMENTS OCTOBER 2019

GREMMER & ASSOCIATES, INC.
CONSULTING ENGINEERS
Stevens Point • Fond du Lac

I, JAY W. PANETTI, REGISTERED LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION, I HAVE SURVEYED AND MAPPED TRANSPORTATION PROJECT PLAT 1146-75-22-4.18, AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

DATE 11/06/2014 JAY W. PANETTI
RLS S-2747, FOR GREMMER & ASSOCIATES, INC.

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION.

DATE 3/11/2015 CURT VAN EREM
REAL ESTATE SUPERVISOR

WISCONSIN JAY W. PANETTI S-2747 WAUPUN, WI LAND SURVEYOR

040418_15.DWG REVISED: 11/06/2014

APPRAISAL PLAT DATE:

TRANSPORTATION PROJECT PLAT NO: 1146-75-22 - 4.19

PART OF THE SW1/4-SW1/4 OF SECTION 27, T22N, R15E, TOWN OF HORTONIA, OUTAGAMIE COUNTY, WISCONSIN

Document #: **2037963**
Date: **03-16-2015** Time: **08:28 AM**
Pages: **1** Fee: **$25.00**
County: **OUTAGAMIE COUNTY** State: **WI**

SARAH R VAN CAMP , REGISTER OF DEEDS
The above recording information verifies this document has been electronically recorded and returned to the submitter

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1146-75-22- 4.19
AMENDMENT NO:

RELOCATION ORDER - STH 15 (LILY OF THE VALLEY DRIVE - USH 45), OUTAGAMIE COUNTY

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE NAMED PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SUBSECTION 84.02 (3), 84.09 AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:
1) THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE NAMED PROJECT.
2) THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SUBSECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2 OF TRANSPORTATION PROJECT PLAT NO: 1146-75-22 - 4.01, AS DOCUMENT #2016623 FOR ADDITIONAL INFORMATION.

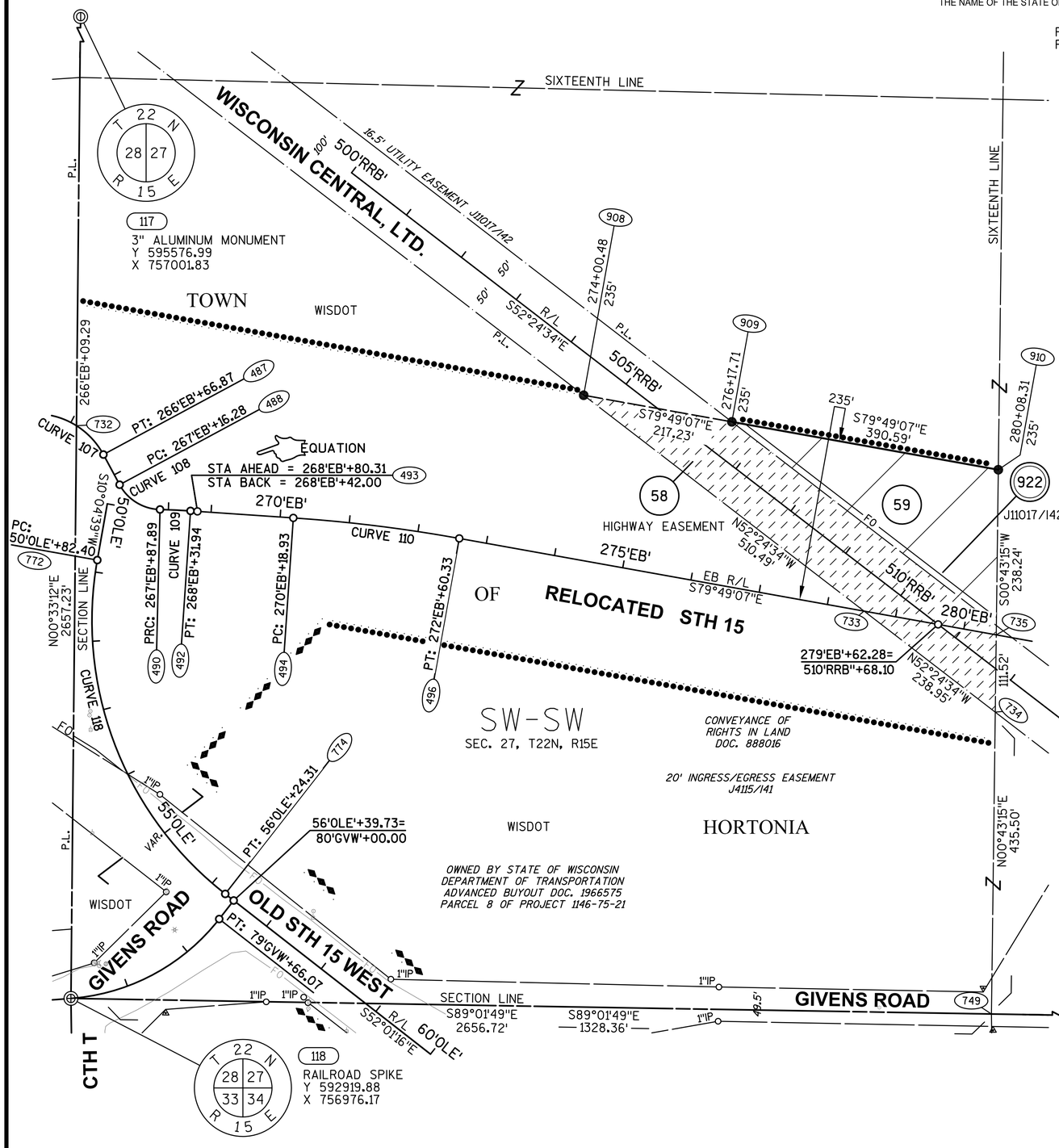
SCHEDULE OF LANDS & INTERESTS REQUIRED

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

PARCEL NUMBER	OWNER (S)	INTEREST REQUIRED	R/W NEW	ACRES REQUIRED EXISTING	TOTAL	H.E. ACRES PERM.	TLE ACRES TEMP.
58	WISCONSIN CENTRAL, LTD.	HIGHWAY EASEMENT	0	0	0	1.413	0
59	KEVIN SAMBS & JANE SAMBS	FEE	0.994	0	0.994	0	0

UTILITY INTERESTS REQUIRED:

922	AT&T WISCONSIN	RELEASE OF RIGHTS



GN

SCALE, FEET
0' 100' 200'

RL CURVE DATA
CURVE 118 OLD STH 15 WEST
PI 53'0LE'+83.419
Y 593255.895
X 756961.551
DELTA 62°05'54"
D 11°27'33"
T 301.015'
L 541.910'
R 500.000'
LC 515.774'
LCB S20°58'19"E

RL CURVE DATA
CURVE 107 STH 15 EB
PI 266'EB'+21.841
Y 593749.777
X 756998.597
DELTA 49°22'29"
D 51°09'25"
T 51.484'
L 96.516'
R 112.000'
LC 93.557'
LCB N52°59'02"W
PC 265'EB'+70.36

RL CURVE DATA
CURVE 108 STH 15 EB
PI 267'EB'+55.804
Y 593626.141
X 757065.159
DELTA 60°20'00"
D 84°15'31"
T 39.524'
L 71.605'
R 68.000'
LC 68.342'
LCB S58°27'48"E

RL CURVE DATA
CURVE 109 STH 15 EB
PI 268'EB'+09.918
Y 593624.669
X 757126.699
DELTA 02°31'28"
D 05°43'46"
T 22.033'
L 44.059'
R 1000.000'
LC 44.056'
LCB N87°22'04"W

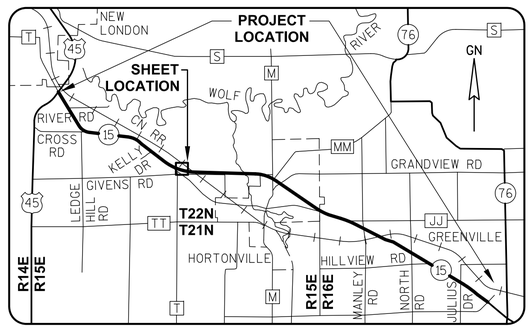
RL CURVE DATA
CURVE 110 STH 15 EB
PI 271'EB'+39.750
Y 593604.869
X 757417.556
DELTA 06°17'13"
D 02°36'16"
T 120.822'
L 241.401'
R 2200.000'
LC 241.280'
LCB N82°57'43"W

BASIS OF EXISTING HIGHWAY R/W

ROUTE	BASIS	YEAR
STH 15 AND CTH T	TPP NO: 6430-06-00 - 4.11, 4.12	2011
GIVENS ROAD	TPP NO: 6430-06-00 - 4.11	2011
WISCONSIN CENTRAL, LTD. RAILROAD	V39/P328	1876

EXISTING ACCESS CONTROL: PROJECT 1146-1-22/F 07(19)

APPROVED FOR DESIGN OF UTILITY ADJUSTMENTS 06/09/2015
DEPARTMENT OF TRANSPORTATION
JAY W. PANETTI S-2747 WAUPUN, WI
LAND SURVEYOR



GREMMER & ASSOCIATES, INC.
CONSULTING ENGINEERS
Stevens Point • Fond du Lac

I, JAY W. PANETTI, REGISTERED LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION, I HAVE SURVEYED AND MAPPED TRANSPORTATION PROJECT PLAT 1146-75-22-4.19, AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

DATE 11/06/2014 JAY W. PANETTI
RLS S-2747, FOR GREMMER & ASSOCIATES, INC.

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION.

DATE 3/11/2015 CURT VAN EREM
REAL ESTATE SUPERVISOR

040419_15.DWG REVISED: 11/06/2014

APPRAISAL PLAT DATE:

TRANSPORTATION PROJECT PLAT NO: 1146-75-22 - 4.20 AMENDMENT NO: 1

AMENDS PARCEL 61 AND PARCEL 62 OF TRANSPORTATION PROJECT PLAT 1146-75-22-4.20, RECORDED AS DOCUMENT #2037964.
PART OF THE NW1/4-NW1/4 OF SECTION 34, T22N, R15E, TOWN OF HORTONIA, OUTAGAMIE COUNTY, WISCONSIN

RELOCATION ORDER - STH 15 (LILY OF THE VALLEY DRIVE - USH 45), OUTAGAMIE COUNTY

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE NAMED PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SUBSECTION 84.02 (3), 84.09 AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:
1) THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE NAMED PROJECT.
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Document #: **2064107**
Date: **01-21-2016** Time: **09:06 AM**
Pages: **1** Fee: **$25.00**
County: **OUTAGAMIE COUNTY** State: **WI**

SARAH R VAN CAMP , REGISTER OF DEEDS
This document has been electronically recorded and returned to:
WiDotNeRegionGreenbay

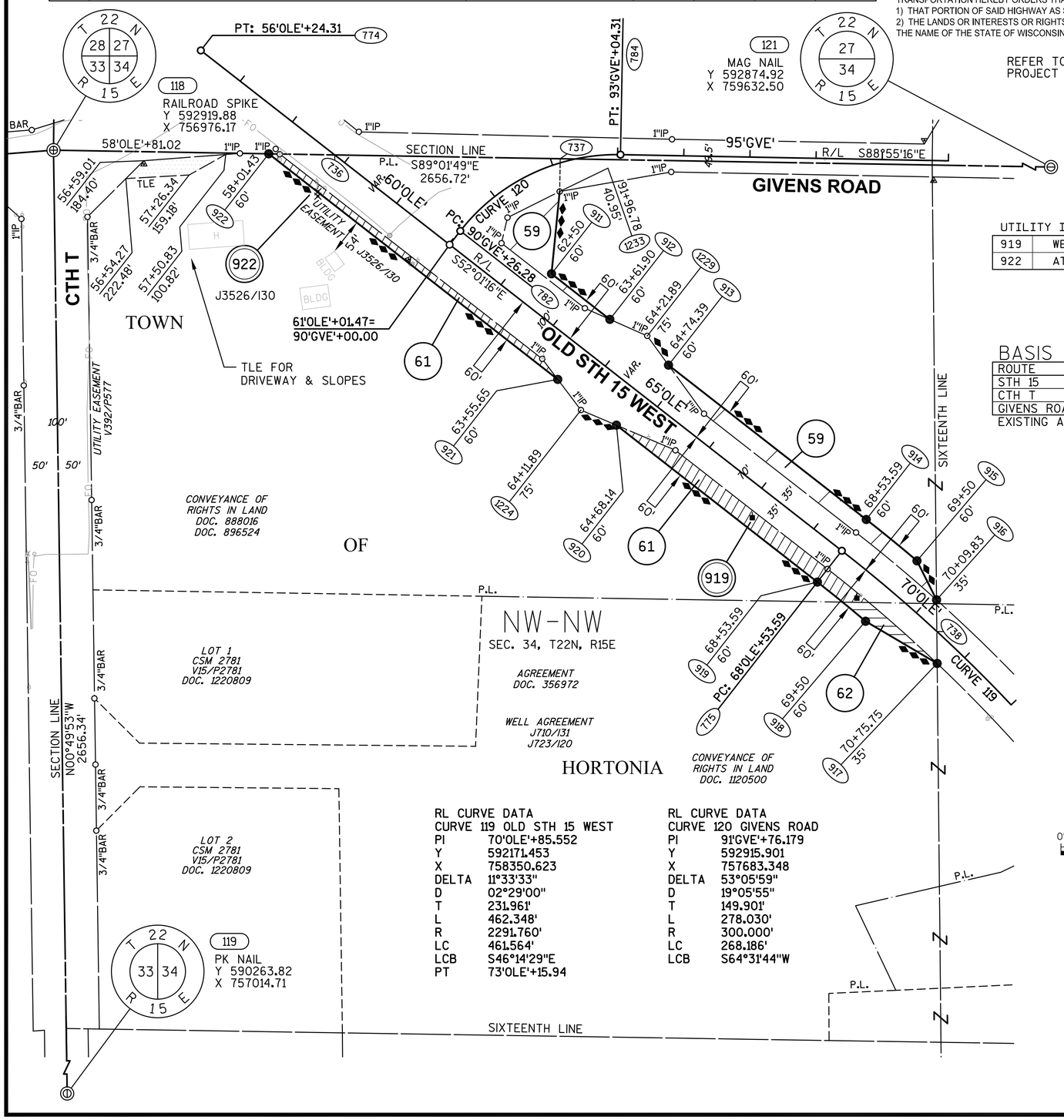
RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1146-75-22- 4.20
AMENDMENT NO: 1

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2 OF TRANSPORTATION PROJECT PLAT NO: 1146-75-22 - 4.01, AS DOCUMENT #2016623 FOR ADDITIONAL INFORMATION.

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.

PARCEL NUMBER	OWNER (S)	INTEREST REQUIRED	R/W ACRES REQUIRED NEW	EXISTING	TOTAL	TLE ACRES TEMP.
59	KEVIN SAMBS & JANE SAMBS	FEE	0.443	0	0.443	0
61	JUDITH M. RIESE, CHARLES M. SAMBS, DANIEL W. SAMBS, GREGORY J. SAMBS, JANICE M. FLENZ, MARY J. RIHA, BARBARA H. REARICK, KEVIN J. SAMBS, AND JANICE M. FLENZ AS TRUSTEE FOR THE 1994 IRREVOCABLE TRUST FOR THE BENEFIT OF JOANN M. SAMBS DATED JULY 14, 1994	FEE, TLE	0.353	0	0.353	0.066
62	THOMAS J. BOETTCHER	FEE	0.054	0	0.054	0



RL CURVE DATA
CURVE 119 OLD STH 15 WEST

PI	70'0LE'+85.552
Y	592171.453
X	758350.623
DELTA	11°33'33"
D	02°29'00"
T	231.961'
L	462.348'
R	2291.760'
LC	461.564'
LCB	S46°14'29"E
PT	73'0LE'+15.94

RL CURVE DATA
CURVE 120 GIVENS ROAD

PI	91'GVE'+76.179
Y	592915.901
X	757683.348
DELTA	53°05'59"
D	19°05'55"
T	149.901'
L	278.030'
R	300.000'
LC	268.186'
LCB	S64°31'44"W

UTILITY INTERESTS REQUIRED:

919	WE ENERGIES - ELECTRIC	RELEASE OF RIGHTS
922	AT&T WISCONSIN	RELEASE OF RIGHTS

BASIS OF EXISTING HIGHWAY R/W

ROUTE	BASIS	YEAR
STH 15	TPP NO: 6430-06-00 - 4.11	2011
CTH T	TPP NO: 6430-06-00 - 4.11	2011
GIVENS ROAD	TPP NO: 6430-06-00 - 4.11	2011

EXISTING ACCESS CONTROL: PROJECT 1146-1-22/F 07(19)

COURSE TABLE

FROM POINT	TO POINT	BEARING	DISTANCE
118	922	S89°01'49"E	325.39'
922	736	S89°01'49"E	99.68'
736	737	S89°01'49"E	341.00'
737	1233	S00°58'11"W	49.54'
1233	911	S05°39'59"W	125.07'
911	912	S52°01'16"E	111.90'
912	1229	S66°03'26"E	61.84'
1229	913	S36°04'31"E	54.60'
913	914	S52°01'16"E	379.20'
*914	915	S50°48'57"E	98.93'
915	916	S26°35'59"E	65.99'
916	738	S00°34'29"E	47.75'
738	917	S00°34'29"E	48.40'
917	918	N59°30'41"W	125.64'
*918	919	N50°48'57"W	93.88'
919	920	N52°01'16"W	385.45'
920	1224	N66°57'08"W	58.22'
1224	921	N37°05'21"W	58.21'
921	922	N52°01'16"W	554.22'

*SEE CURVE TABLE

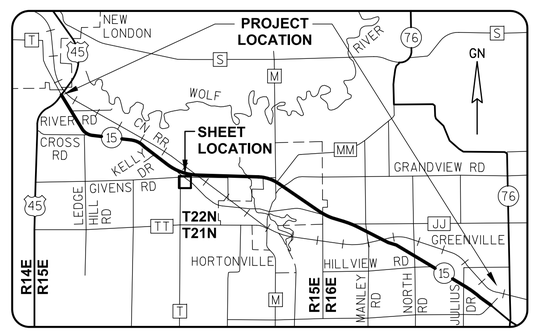
CURVE TABLE

FROM POINT	TO POINT	RADIUS	ARC LENGTH	CHORD BEARING	CHORD LENGTH
914	915	2351.76'	98.93'	S50°48'57"E	98.93'
918	919	2231.76'	93.89'	N50°48'57"W	93.88'

GN

SCALE, FEET
0' 100' 200'

APPROVED FOR DESIGN OF UTILITY ADJUSTMENTS
OCT 19, 2015
WISCONSIN
JAY W. PANETTI S-2747 WAUPUN, WI
LAND SURVEYOR



GREMMER & ASSOCIATES, INC.
CONSULTING ENGINEERS
Stevens Point • Fond du Lac

I, JAY W. PANETTI, PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION, I HAVE SURVEYED AND MAPPED TRANSPORTATION PROJECT PLAT 1146-75-22-4.20, AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

DATE 12/28/2015 JAY W. PANETTI
PLS S-2747, FOR GREMMER & ASSOCIATES, INC.

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION.

DATE 1/19/2016 CURT VAN EREM
REAL ESTATE SUPERVISOR

040420_15.DWG REVISED: 12/28/2015

APPRAISAL PLAT DATE:

TRANSPORTATION PROJECT PLAT NO: 1146-75-22 - 4.20

PART OF THE NW1/4-NW1/4 OF SECTION 34, T22N, R15E, TOWN OF HORTONIA, OUTAGAMIE COUNTY, WISCONSIN

Document #: **2037964**
Date: **03-16-2015** Time: **08:28 AM**
Pages: **1** Fee: **$25.00**
County: **OUTAGAMIE COUNTY** State: **WI**

SARAH R VAN CAMP, REGISTER OF DEEDS
The above recording information verifies this document has been electronically recorded and returned to the submitter

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1146-75-22- 4.20
AMENDMENT NO:

RELOCATION ORDER - STH 15 (LILY OF THE VALLEY DRIVE - USH 45), OUTAGAMIE COUNTY

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE NAMED PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SUBSECTION 84.02 (3), 84.09 AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:
1) THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE NAMED PROJECT.
2) THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SUBSECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

SCHEDULE OF LANDS & INTERESTS REQUIRED

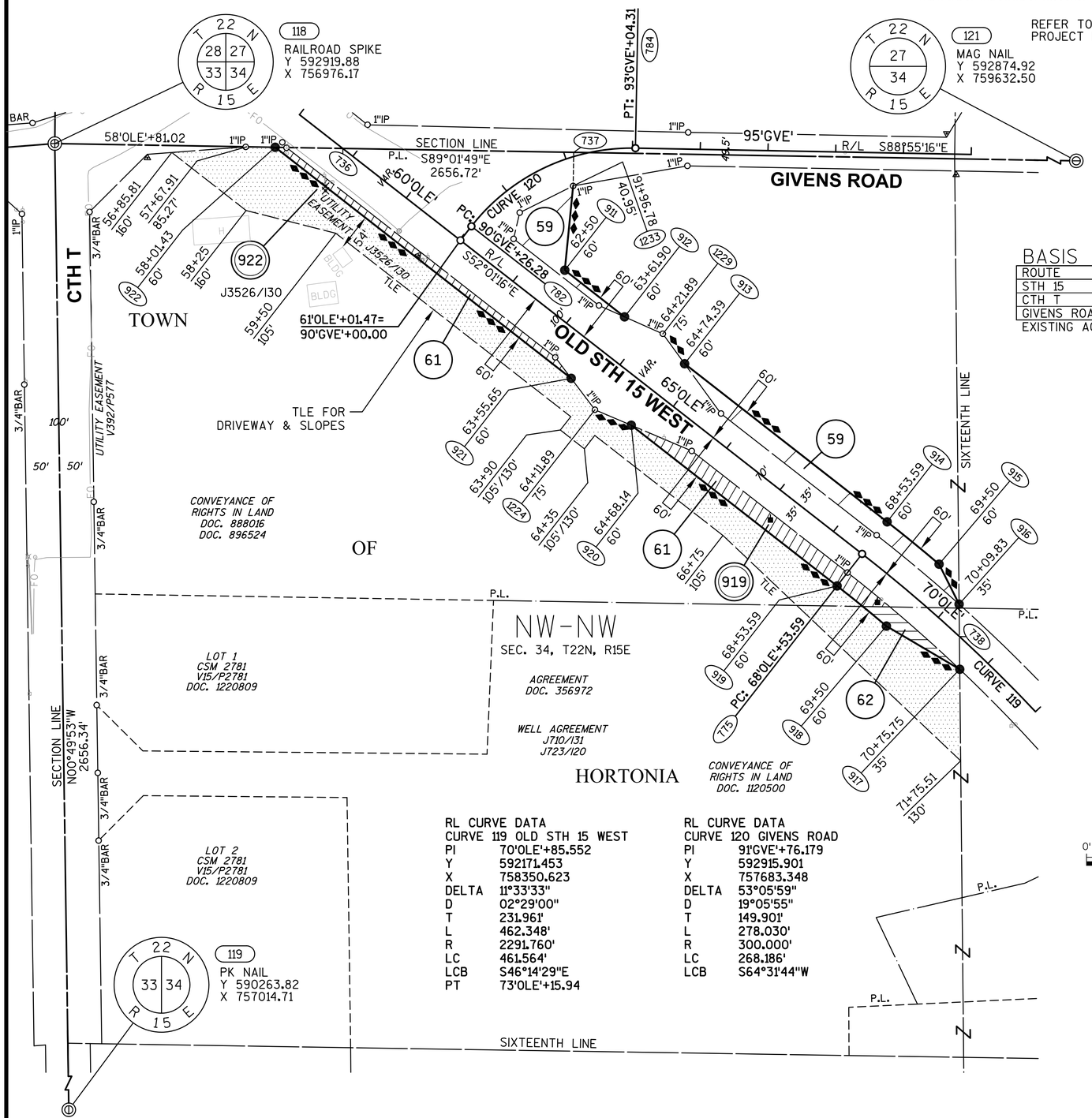
OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE DEPARTMENT.

PARCEL NUMBER	OWNER (S)	INTEREST REQUIRED	R/W ACRES REQUIRED NEW	EXISTING	TOTAL	TLE ACRES TEMP.
59	KEVIN SAMBS & JANE SAMBS	FEE	0.443	0	0.443	0
61	JUDITH M. RIESE, CHARLES M. SAMBS, DANIEL W. SAMBS, GREGORY J. SAMBS, JANICE M. FLENZ, MARY J. RIHA, BARBARA H. REARICK, KEVIN J. SAMBS, AND JANICE M. FLENZ AS TRUSTEE FOR THE 1994 IRREVOCABLE TRUST FOR THE BENEFIT OF JOANN M. SAMBS DATED JULY 14, 1994	FEE, TLE	0.353	0	0.353	1.387
62	THOMAS J. BOETTCHER	FEE, TLE	0.054	0	0.054	0.463

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2 OF TRANSPORTATION PROJECT PLAT NO: 1146-75-22 - 4.01, AS DOCUMENT #2016623 FOR ADDITIONAL INFORMATION.

UTILITY INTERESTS REQUIRED:

919	WE ENERGIES - ELECTRIC	RELEASE OF RIGHTS
922	AT&T WISCONSIN	RELEASE OF RIGHTS



BASIS OF EXISTING HIGHWAY R/W

ROUTE	BASIS	YEAR
STH 15	TPP NO: 6430-06-00 - 4.11	2011
CTH T	TPP NO: 6430-06-00 - 4.11	2011
GIVENS ROAD	TPP NO: 6430-06-00 - 4.11	2011

EXISTING ACCESS CONTROL: PROJECT 1146-1-22/F 07(19)

COURSE TABLE

FROM POINT	TO POINT	BEARING	DISTANCE
118	922	S89°01'49"E	325.39'
922	736	S89°01'49"E	99.68'
736	737	S89°01'49"E	341.00'
737	1233	S00°58'11"W	49.54'
1233	911	S05°39'59"W	125.07'
911	912	S52°01'16"E	111.90'
912	1229	S66°03'26"E	61.84'
1229	913	S36°04'31"E	54.60'
913	914	S52°01'16"E	379.20'
*914	915	S50°48'57"E	98.93'
915	916	S26°35'59"E	65.99'
916	738	S00°34'29"E	47.75'
738	917	S00°34'29"E	48.40'
917	918	N59°30'41"W	125.64'
*918	919	N50°48'57"W	93.88'
919	920	N52°01'16"W	385.45'
920	1224	N66°57'08"W	58.22'
1224	921	N37°05'21"W	58.21'
921	922	N52°01'16"W	554.22'

*SEE CURVE TABLE

CURVE TABLE

FROM POINT	TO POINT	RADIUS	ARC LENGTH	CHORD BEARING	CHORD LENGTH
914	915	2351.76'	98.93'	S50°48'57"E	98.93'
918	919	2231.76'	93.89'	N50°48'57"W	93.88'

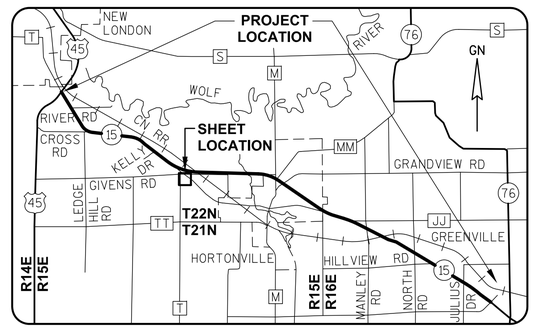
RL CURVE DATA
CURVE 119 OLD STH 15 WEST
PI 70'OLE'+85.552
Y 592171.453
X 758350.623
DELTA 11°33'33"
D 02°29'00"
T 231.961'
L 462.348'
R 2291.760'
LC 461.564'
LCB S46°14'29"E
PT 73'OLE'+15.94

RL CURVE DATA
CURVE 120 GIVENS ROAD
PI 91'GVE'+76.179
Y 592915.901
X 757683.348
DELTA 53°05'59"
D 19°05'55"
T 149.901'
L 278.030'
R 300.000'
LC 268.186'
LCB S64°31'44"W

GN

SCALE, FEET
0' 100' 200'

APPROVED FOR DESIGN OF UTILITY ADJUSTMENTS ONLY
WISCONSIN
JAY W. PANETTI S-2747 WAUPUN, WI
LAND SURVEYOR



GREMMER & ASSOCIATES, INC.
CONSULTING ENGINEERS
Stevens Point • Fond du Lac

I, JAY W. PANETTI, REGISTERED LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION, I HAVE SURVEYED AND MAPPED TRANSPORTATION PROJECT PLAT 1146-75-22-4.20, AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

DATE 11/06/2014 JAY W. PANETTI RLS S-2747, FOR GREMMER & ASSOCIATES, INC.

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION.

DATE 3/11/2015 CURT VAN EREM
REAL ESTATE SUPERVISOR

040420_15.DWG REVISED: 11/06/2014

APPRAISAL PLAT DATE:

Document Number
VACATION ORDER
TRANSPORTATION PROJECT PLAT

Wisconsin Department of Transportation
s.84.095(3)(b) Wis. Stats.
DT1875 2002

2069815
Recorded
April 15, 2016 11:12 AM
OUTAGAMIE COUNTY
SARAH R VAN CAMP
REGISTER OF DEEDS
Fee Amount: $30.00
Total Pages: 1

This Vacation Order applies to Transportation Project Plat 1146-75-22-4.21, recorded in Document # 2037965 in the Office of the Register of Deeds for Outagamie County.

Whereas the above described Transportation Project Plat has been determined to be unnecessary for transportation improvement project purposes, said plat is hereby vacated and rescinded.

This space is reserved for recording data

Return to

Wisconsin Department of Transportation
NE Region
944 Vanderperren Way
Green Bay, WI 54304

Attn: Real Estate

Parcel Identification Number/Tax Key Number
R/W

This Vacation Order has been approved by the Wisconsin Department of Transportation.

Carolyn Sampson
(Signature)

4-12-16
(Date)

Carolyn Sampson
(Print Name)

Right of Way Plat Coordinator
(Title)

State of Wisconsin)
) ss.
Brown County)

On the above date, this instrument was acknowledged before me by the named person(s).

Ruth A Johnson
(Signature, Notary Public, State of Wisconsin)

Ruth A Johnson
(Print or Type Name, Notary Public, State of Wisconsin)

4-17-17
(Date Commission Expires)

(Seal)

Project ID 1146-75-22

This instrument was drafted by WisDOT

TRANSPORTATION PROJECT PLAT NO: 1146-75-22 - 4.21

PART LOT 1 OF CSM 2313, PART OF THE NE1/4-NW1/4 AND PART OF THE SE1/4-NW1/4 OF SECTION 34, T22N, R15E, ALL IN THE TOWN OF HORTONIA, OUTAGAMIE COUNTY, WISCONSIN

RELOCATION ORDER - STH 15 (LILY OF THE VALLEY DRIVE - USH 45), OUTAGAMIE COUNTY

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE NAMED PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SUBSECTION 84.02 (3), 84.09 AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:
1) THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE NAMED PROJECT.
2) THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SUBSECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

Document #: **2037965**
Date: **03-16-2015** Time: **08:29 AM**
Pages: **1** Fee: **$25.00**
County: **OUTAGAMIE COUNTY** State: **WI**

SARAH R VAN CAMP, REGISTER OF DEEDS
The above recording information verifies this document has been electronically recorded and returned to the submitter

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1146-75-22- 4.21
AMENDMENT NO:

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2 OF TRANSPORTATION PROJECT PLAT NO: 1146-75-22 - 4.01, AS DOCUMENT #2016623 FOR ADDITIONAL INFORMATION.

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.

PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	R/W ACRES REQUIRED NEW	EXISTING	TOTAL	TLE ACRES TEMP.
60	JOHN WILLIAM SHARKEY & MARY K. SHARKEY	TLE	0	0	0	0.238
62	THOMAS J. BOETTCHER & HOLLY J. BOETTCHER	TLE	0	0	0	0.557
65	JAMES R. BOLSSEN & LINDA M. BOLSSEN	TLE	0	0	0	0.542

UTILITY INTERESTS REQUIRED:

919	WE ENERGIES - ELECTRIC	RELEASE OF RIGHTS

BASIS OF EXISTING HIGHWAY R/W

ROUTE	BASIS	YEAR
STH 15	TPP NO: 6430-06-00 - 4.11, CERTIFIED SURVEY MAP 2313	2011 1995

EXISTING ACCESS CONTROL: PROJECT 1146-1-22/F 07(19)

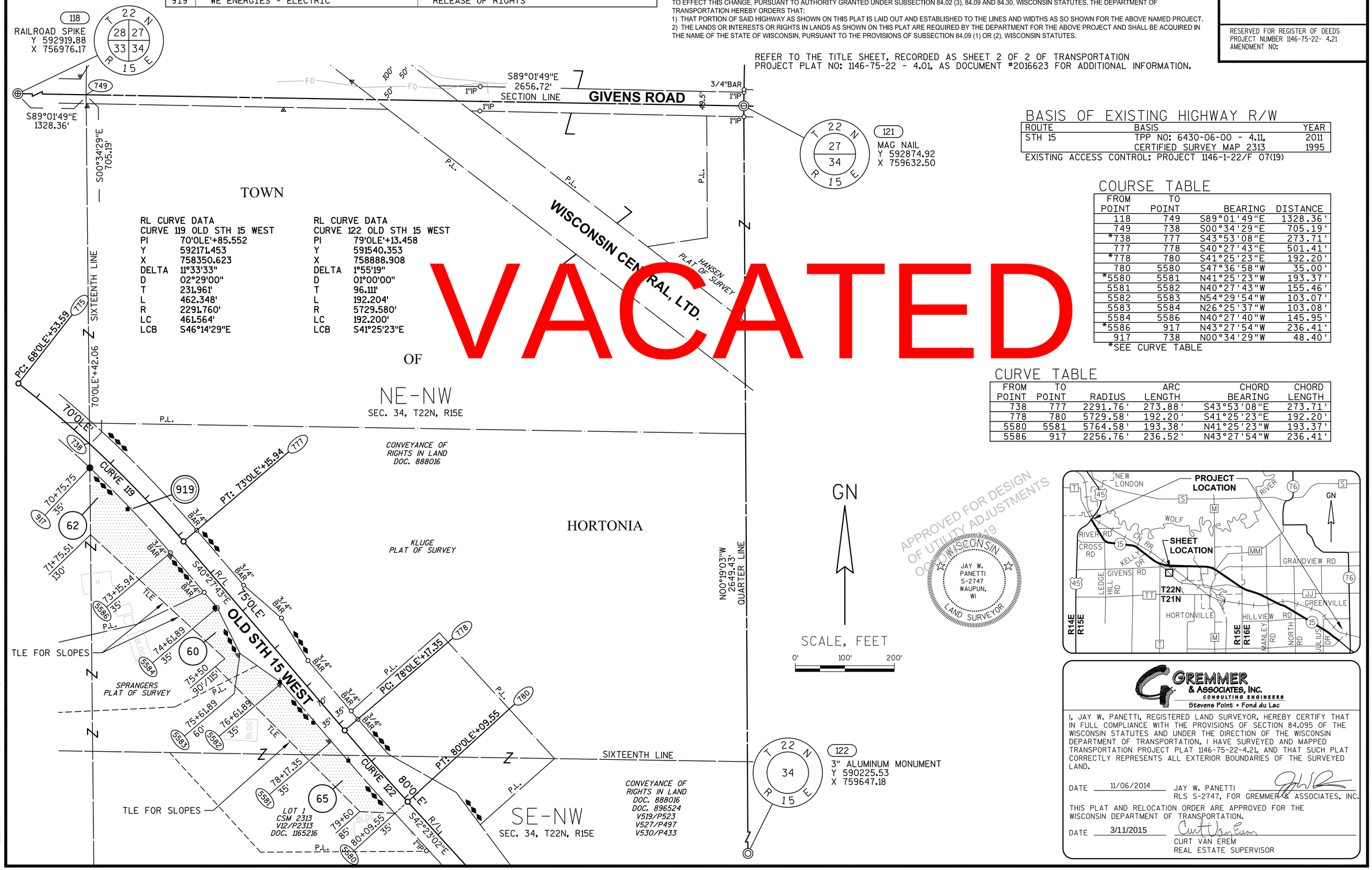
COURSE TABLE

FROM POINT	TO POINT	BEARING	DISTANCE
118	749	S89°01'49"E	1328.36'
749	738	S00°34'29"E	705.19'
*738	777	S43°53'08"E	273.71'
777	778	S40°27'43"E	501.41'
*778	780	S41°25'23"E	192.20'
780	5580	S47°36'58"W	35.00'
*5580	5581	N41°25'23"W	193.37'
5581	5582	N40°27'43"W	155.46'
5582	5583	N54°29'54"W	103.07'
5583	5584	N26°25'37"W	103.08'
5584	5586	N40°27'40"W	145.95'
*5586	917	N43°27'54"W	236.41'
917	738	N00°34'29"W	48.40'

*SEE CURVE TABLE

CURVE TABLE

FROM POINT	TO POINT	RADIUS	ARC LENGTH	CHORD BEARING	CHORD LENGTH
738	777	2291.76'	273.88'	S43°53'08"E	273.71'
778	780	5729.58'	192.20'	S41°25'23"E	192.20'
5580	5581	5764.58'	193.38'	N41°25'23"W	193.37'
5586	917	2256.76'	236.52'	N43°27'54"W	236.41'



GN

SCALE, FEET
0' 100' 200'

APPROVED FOR DESIGN OF UTILITY ADJUSTMENTS
OCT 29 2014
WISCONSIN
JAY W. PANETTI S-2747 WAUPUN, WI
LAND SURVEYOR

122
T 22 N R 15 E 34
3" ALUMINUM MONUMENT
Y 590225.53
X 759647.18

GREMMER & ASSOCIATES, INC.
CONSULTING ENGINEERS
Stevens Point • Fond du Lac

I, JAY W. PANETTI, REGISTERED LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION, I HAVE SURVEYED AND MAPPED TRANSPORTATION PROJECT PLAT 1146-75-22-4.21, AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

DATE 11/06/2014 JAY W. PANETTI RLS S-2747, FOR GREMMER & ASSOCIATES, INC.

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION.

DATE 3/11/2015 CURT VAN EREM
REAL ESTATE SUPERVISOR

REVISED: 11/06/2014

040421_15.DWG

APPRAISAL PLAT DATE:

TRANSPORTATION PROJECT PLAT NO: 1146-75-22 - 4.22
AMENDMENT NO: 1

ADDS STRUCTURES TO BE REMOVED FROM PARCEL 59 OF TRANSPORTATION PROJECT PLAT 1146-75-22-4.22, RECORDED AS DOCUMENT #2037966.
PART OF THE SE1/4-SW1/4 OF SECTION 27, T22N, R15E, TOWN OF HORTONIA, OUTAGAMIE COUNTY, WISCONSIN

RELOCATION ORDER - STH 15 (LILY OF THE VALLEY DRIVE - USH 45), OUTAGAMIE COUNTY

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE NAMED PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SUBSECTION 84.02 (3), 84.09 AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:
1) THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE NAMED PROJECT.
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Document #: **2065979**
Date: **02-18-2016** Time: **02:44 PM**
Pages: **1** Fee: **$25.00**
County: **OUTAGAMIE COUNTY** State: **WI**

SARAH R VAN CAMP , REGISTER OF DEEDS
This document has been electronically recorded and returned to:
WiDotNeRegionGreenbay

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1146-75-22- 4.22
AMENDMENT NO: 1

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2 OF TRANSPORTATION PROJECT PLAT NO: 1146-75-22 - 4.01, AS DOCUMENT #2016623 FOR ADDITIONAL INFORMATION.

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.

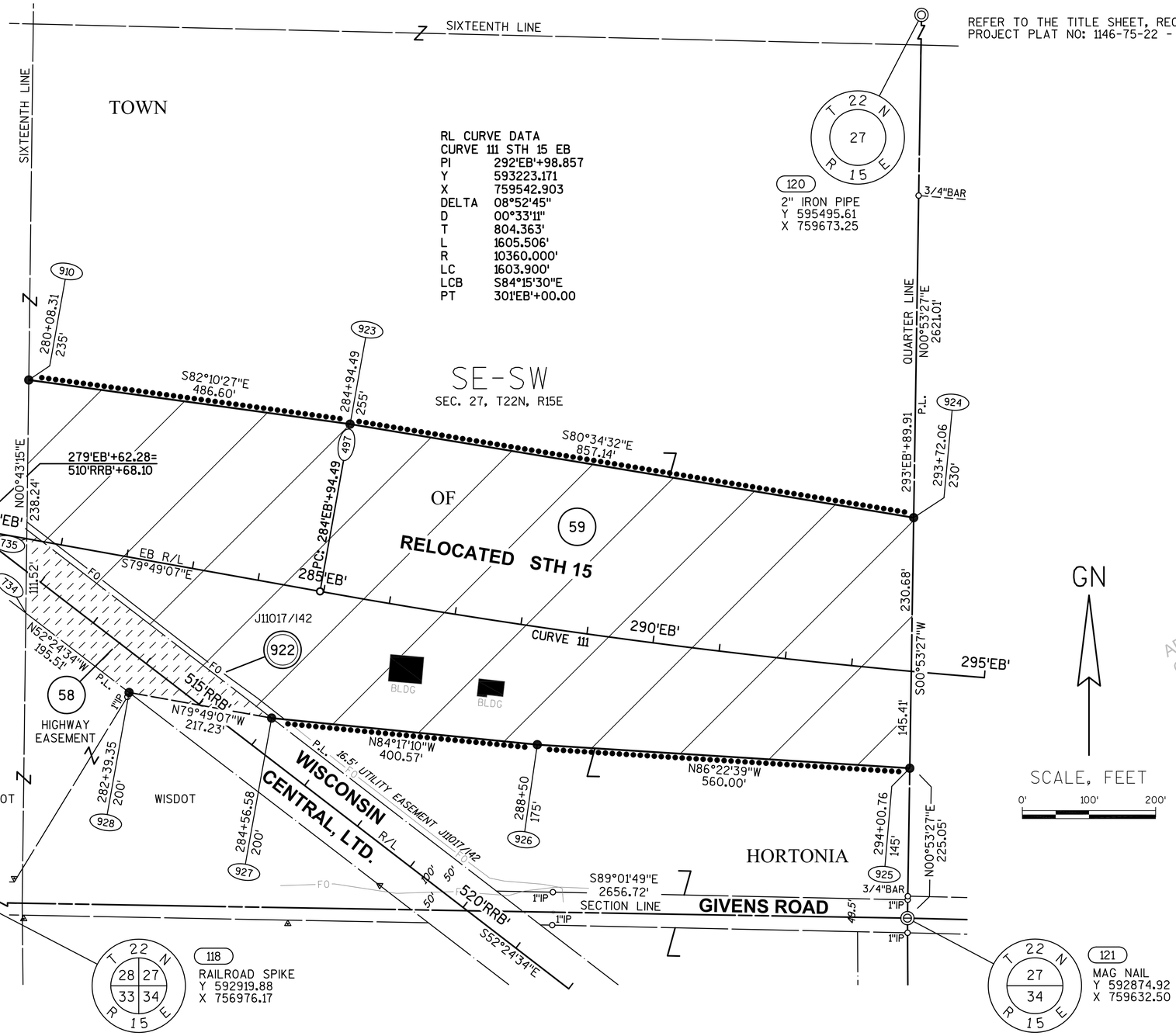
PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	R/W NEW	ACRES REQUIRED EXISTING	TOTAL	H.E. ACRES PERM.	TLE ACRES TEMP.
58	WISCONSIN CENTRAL, LTD.	HIGHWAY EASEMENT	0	0	0	0.756	0
59	KEVIN SAMBS & JANE SAMBS	FEE	12.190	0	12.190	0	0

UTILITY INTERESTS REQUIRED:

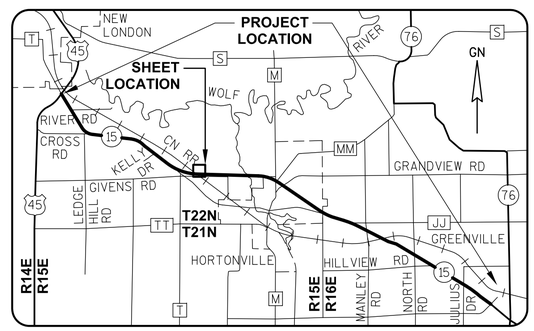
922	AT&T WISCONSIN	RELEASE OF RIGHTS

BASIS OF EXISTING HIGHWAY R/W

ROUTE	BASIS	YEAR
GIVENS ROAD	TPP NO: 6430-06-00 - 4.11	2011
WISCONSIN CENTRAL, LTD. RAILROAD	V39/P344	1876



APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS
ONLY - WISCONSIN
JAY W. PANETTI S-2747 WAUPUN, WI
LAND SURVEYOR



GREMMER & ASSOCIATES, INC.
CONSULTING ENGINEERS
Stevens Point • Fond du Lac

I, JAY W. PANETTI, PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION, I HAVE SURVEYED AND MAPPED TRANSPORTATION PROJECT PLAT 1146-75-22-4.22, AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

DATE 2/3/2016 JAY W. PANETTI
PLS S-2747, FOR GREMMER & ASSOCIATES, INC.

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION.

DATE 2/18/2016 CURT VAN EREM
REAL ESTATE SUPERVISOR

040422_15.DWG REVISED: 2/3/2016

APPRAISAL PLAT DATE:

TRANSPORTATION PROJECT PLAT NO: 1146-75-22 - 4.22

PART OF THE SE1/4-SW1/4 OF SECTION 27, T22N, R15E, TOWN OF HORTONIA, OUTAGAMIE COUNTY, WISCONSIN

Document #: **2037966**
Date: **03-16-2015** Time: **08:29 AM**
Pages: **1** Fee: **$25.00**
County: **OUTAGAMIE COUNTY** State: **WI**

SARAH R VAN CAMP , REGISTER OF DEEDS
The above recording information verifies this document has been electronically recorded and returned to the submitter

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1146-75-22- 4.22
AMENDMENT NO:

RELOCATION ORDER - STH 15 (LILY OF THE VALLEY DRIVE - USH 45), OUTAGAMIE COUNTY

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE NAMED PROJECT.

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1) THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE NAMED PROJECT.
2) THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SUBSECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2 OF TRANSPORTATION PROJECT PLAT NO: 1146-75-22 - 4.01, AS DOCUMENT #2016623 FOR ADDITIONAL INFORMATION.

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.

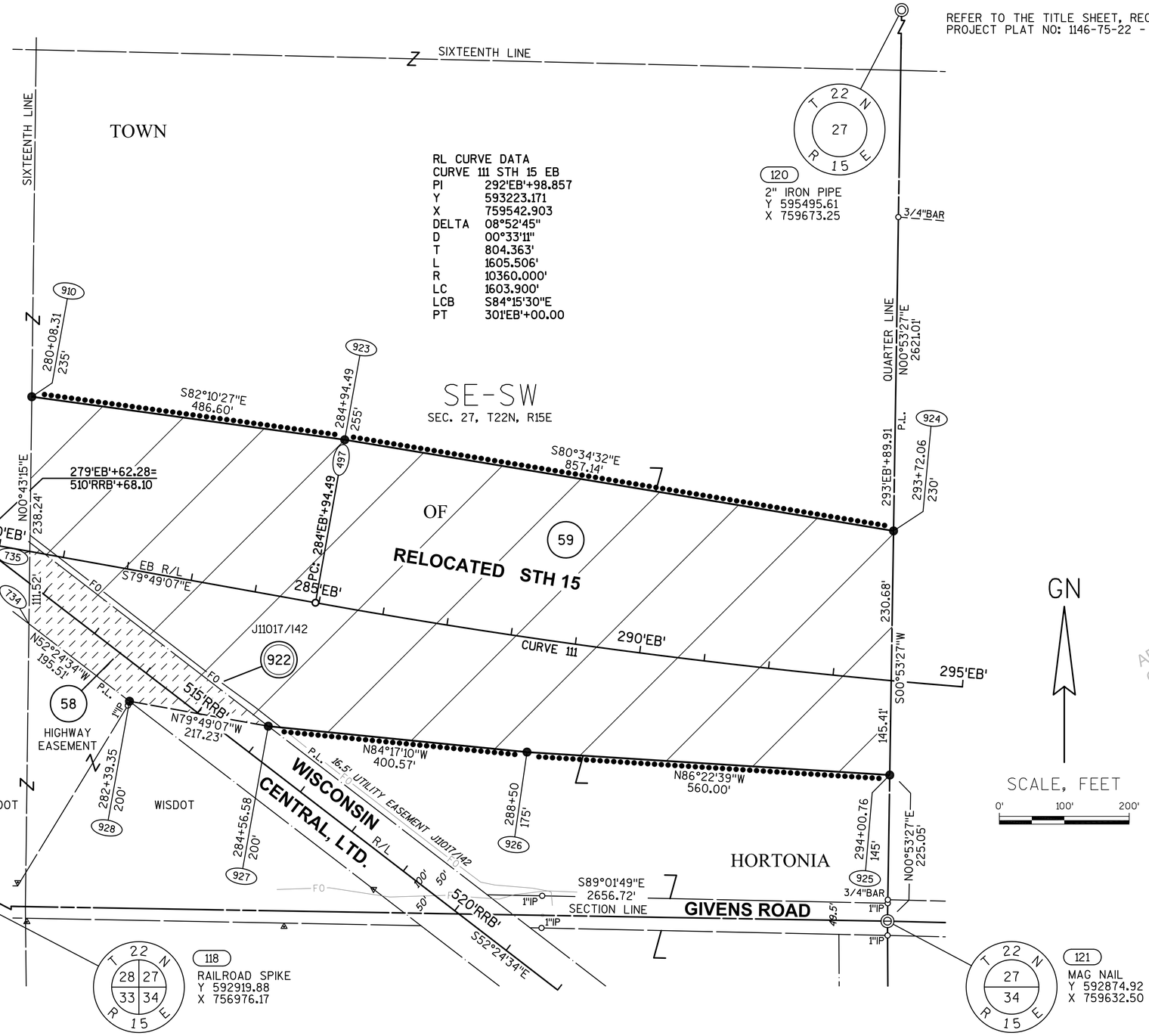
PARCEL NUMBER	OWNER (S)	INTEREST REQUIRED	R/W NEW	ACRES REQUIRED EXISTING	TOTAL	H.E. ACRES PERM.	TLE ACRES TEMP.
58	WISCONSIN CENTRAL, LTD.	HIGHWAY EASEMENT	0	0	0	0.756	0
59	KEVIN SAMBS & JANE SAMBS	FEE	12.190	0	12.190	0	0

UTILITY INTERESTS REQUIRED:

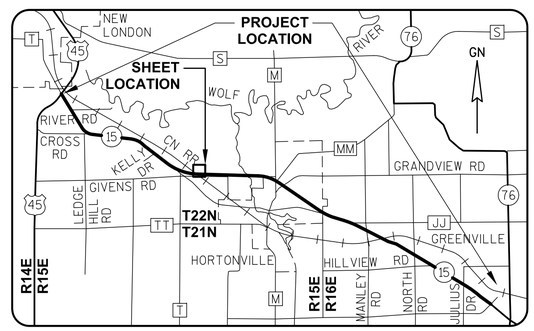
922	AT&T WISCONSIN	RELEASE OF RIGHTS

BASIS OF EXISTING HIGHWAY R/W

ROUTE	BASIS	YEAR
GIVENS ROAD	TPP NO: 6430-06-00 - 4.11	2011
WISCONSIN CENTRAL, LTD. RAILROAD	V39/P344	1876



APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS
ONLY WISCONSIN
JAY W. PANETTI S-2747 WAUPUN, WI
LAND SURVEYOR



GREMMER & ASSOCIATES, INC.
CONSULTING ENGINEERS
Stevens Point • Fond du Lac

I, JAY W. PANETTI, REGISTERED LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION, I HAVE SURVEYED AND MAPPED TRANSPORTATION PROJECT PLAT 1146-75-22-4.22, AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

DATE 11/06/2014 JAY W. PANETTI
RLS S-2747, FOR GREMMER & ASSOCIATES, INC.

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION.

DATE 3/11/2015 CURT VAN EREM
REAL ESTATE SUPERVISOR

040422_15.DWG REVISED: 11/06/2014

APPRAISAL PLAT DATE:

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.

PARCEL NUMBER	OWNER (S)	INTEREST REQUIRED	R/W ACRES REQUIRED NEW	EXISTING	TOTAL	TLE ACRES TEMP.
63	IRVING J. PARTIKA & GENEVRA PARTIKA	FEE, TLE	9.717	0	9.717	0.326

TRANSPORTATION PROJECT PLAT NO: 1146-75-22 - 4.23 AMENDMENT NO: 2

AMENDS PARCEL 63 OF TRANSPORTATION PROJECT PLAT 1146-75-22-4.23, AMENDMENT NO. 1, RECORDED AS DOCUMENT #2035590.
PART OF LOT 1 OF CSM 3642 BEING PART OF THE SW1/4-SE1/4 OF SECTION 27, T22N, R15E, ALL IN THE TOWN OF HORTONIA, OUTAGAMIE COUNTY, WISCONSIN

RELOCATION ORDER - STH 15 (LILY OF THE VALLEY DRIVE - USH 45), OUTAGAMIE COUNTY

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE NAMED PROJECT.

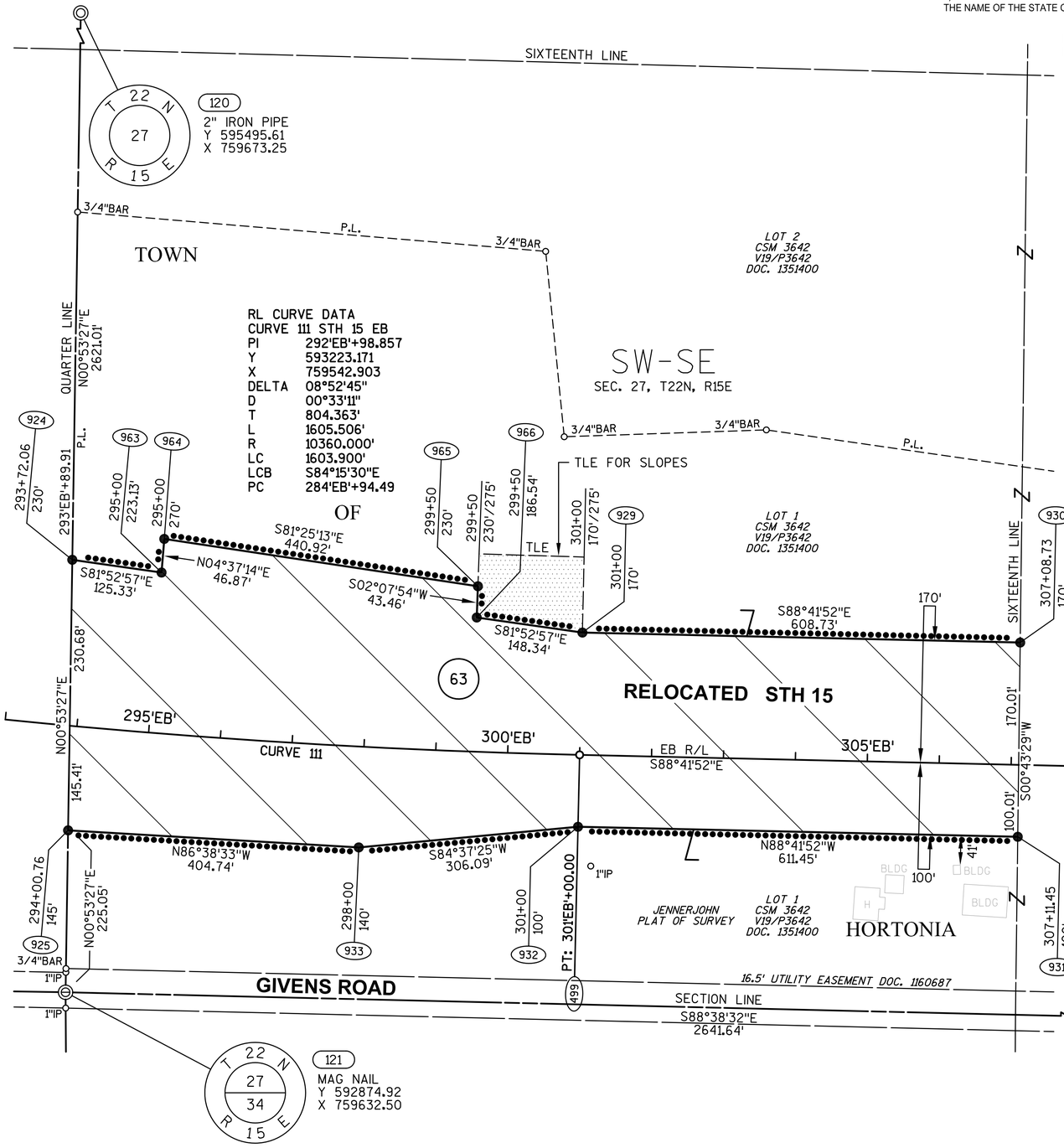
TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SUBSECTION 84.02 (3), 84.09 AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:
1) THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE NAMED PROJECT.
2) THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SUBSECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

Document #: **2064144**
Date: **01-21-2016** Time: **10:30 AM**
Pages: **1** Fee: **$25.00**
County: **OUTAGAMIE COUNTY** State: **WI**

SARAH R VAN CAMP , REGISTER OF DEEDS
This document has been electronically recorded and returned to:
WiDotNeRegionGreenbay

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1146-75-22- 4.23
AMENDMENT NO: 2

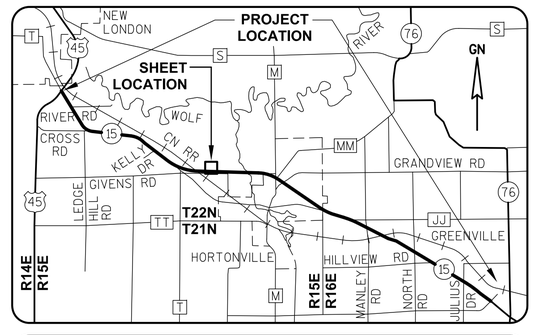
REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2 OF TRANSPORTATION PROJECT PLAT NO: 1146-75-22 - 4.01, AS DOCUMENT #2016623 FOR ADDITIONAL INFORMATION.



GN

SCALE, FEET
0' 100' 200'

APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS
ONLY WISCONSIN
JAY W. PANETTI S-2747 WAUPUN, WI
LAND SURVEYOR



GREMMER & ASSOCIATES, INC.
CONSULTING ENGINEERS
Stevens Point • Fond du Lac

I, JAY W. PANETTI, PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION, I HAVE SURVEYED AND MAPPED TRANSPORTATION PROJECT PLAT 1146-75-22-4.23, AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

DATE 1/12/2016 JAY W. PANETTI PLS S-2747, FOR GREMMER & ASSOCIATES, INC.

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION.

DATE 1/19/2016 CURT VAN EREM
REAL ESTATE SUPERVISOR

REVISED: 1/12/2016

040423_15.DWG

APPRAISAL PLAT DATE:

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.

PARCEL NUMBER	OWNER (S)	INTEREST REQUIRED	R/W ACRES REQUIRED NEW	EXISTING	TOTAL	TLE ACRES TEMP.
63	IRVING J. PARTIKA & GENEVRA PARTIKA	FEE, TLE	9.261	0	9.261	0.782

TRANSPORTATION PROJECT PLAT NO: 1146-75-22 - 4.23 AMENDMENT NO: 1

AMENDS PARCEL 63 OF TRANSPORTATION PROJECT PLAT 1146-75-22-4.23, RECORDED AS DOCUMENT #2017852. PART OF LOT 1 OF CSM 3642 BEING PART OF THE SW1/4-SE1/4 OF SECTION 27, T22N, R15E, ALL IN THE TOWN OF HORTONIA, OUTAGAMIE COUNTY, WISCONSIN

RELOCATION ORDER - STH 15 (LILY OF THE VALLEY DRIVE - USH 45), OUTAGAMIE COUNTY

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE NAMED PROJECT.

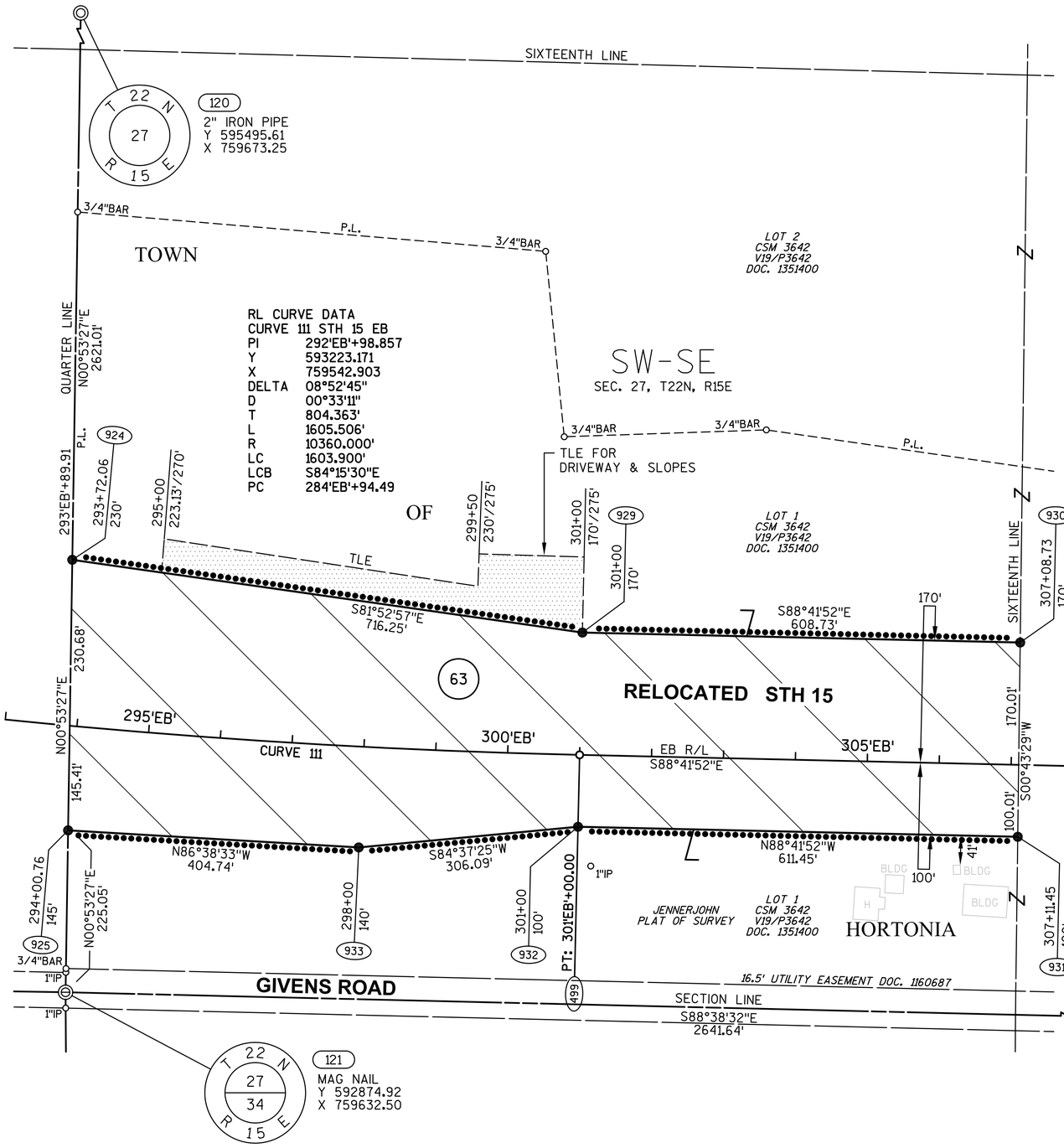
TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SUBSECTION 84.02 (3), 84.09 AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:
1) THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE NAMED PROJECT.
2) THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SUBSECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2 OF TRANSPORTATION PROJECT PLAT NO: 1146-75-22 - 4.01, AS DOCUMENT #2016623 FOR ADDITIONAL INFORMATION.

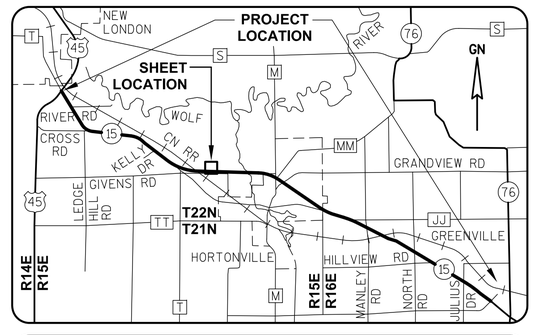
Document #: **2035590**
Date: **02-06-2015** Time: **09:15 AM**
Pages: **1** Fee: **$25.00**
County: **OUTAGAMIE COUNTY** State: **WI**

SARAH R VAN CAMP, REGISTER OF DEEDS
The above recording information verifies this document has been electronically recorded and returned to the submitter

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1146-75-22- 4.23
AMENDMENT NO: 1



APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS
ONLY WISCONSIN
JAY W. PANETTI S-2747 WAUPUN, WI
LAND SURVEYOR



GREMMER & ASSOCIATES, INC.
CONSULTING ENGINEERS
Stevens Point • Fond du Lac

I, JAY W. PANETTI, REGISTERED LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION, I HAVE SURVEYED AND MAPPED TRANSPORTATION PROJECT PLAT 1146-75-22-4.23, AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

DATE 11/06/2014 JAY W. PANETTI
RLS S-2747, FOR GREMMER & ASSOCIATES, INC.

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION.

DATE 2/4/2015 CURT VAN EREM
REAL ESTATE SUPERVISOR

REVISED: 11/06/2014
040423_15.DWG

APPRAISAL PLAT DATE:

TRANSPORTATION PROJECT PLAT NO: 1146-75-22 - 4.23

PART OF LOT 1 OF CSM 3642 BEING PART OF THE SW1/4-SE1/4 OF SECTION 27, T22N, R15E, ALL IN THE TOWN OF HORTONIA, OUTAGAMIE COUNTY, WISCONSIN

RELOCATION ORDER - STH 15 (LILY OF THE VALLEY DRIVE - USH 45), OUTAGAMIE COUNTY

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE NAMED PROJECT.

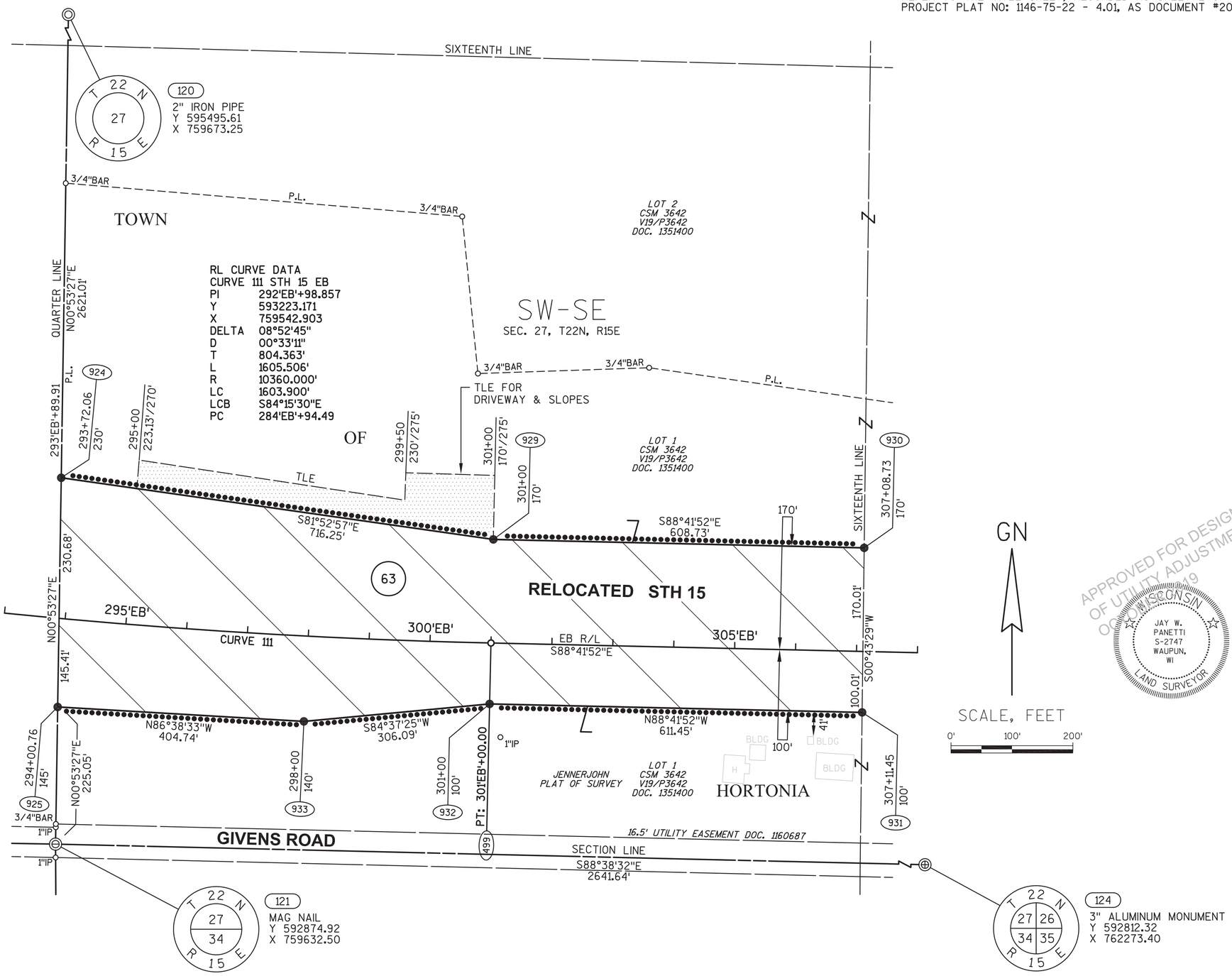
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REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2 OF TRANSPORTATION PROJECT PLAT NO: 1146-75-22 - 4.01, AS DOCUMENT #2016623 FOR ADDITIONAL INFORMATION.

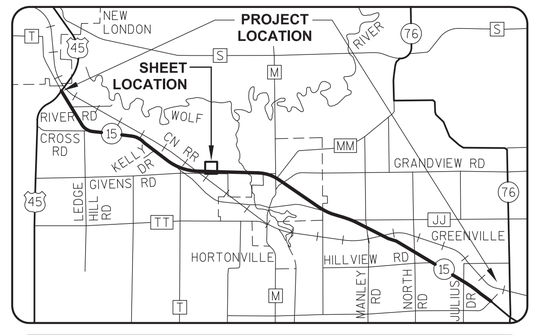
SCHEDULE OF LANDS & INTERESTS REQUIRED

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

PARCEL NUMBER	OWNER (S)	INTEREST REQUIRED	R/W ACRES REQUIRED NEW	EXISTING	TOTAL	TLE ACRES TEMP.
63	IRVING J. PARTIKA & GENEVRA PARTIKA	FEE, ACCESS RIGHTS, TLE	9.261	0	9.261	0.782



APPROVED FOR DESIGN OF UTILITY ADJUSTMENTS ONLY WISCONSIN JAY W. PANETTI S-2747 WAUPUN, WI LAND SURVEYOR



GREMMER & ASSOCIATES, INC.
CONSULTING ENGINEERS
Stevens Point • Fond du Lac

I, JAY W. PANETTI, REGISTERED LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION, I HAVE SURVEYED AND MAPPED TRANSPORTATION PROJECT PLAT 1146-75-22-4.23, AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

DATE 5/21/2014 JAY W. PANETTI RLS S-2747, FOR GREMMER & ASSOCIATES, INC.

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION.

DATE 6/18/2014 CURT VAN EREM
REAL ESTATE SUPERVISOR

Document #: **2017852**
Date: **06-19-2014** Time: **09:45 AM** Pages: **1**
Fee: **$25.00** County: **OUTAGAMIE** State: **WI**

SARAH R VAN CAMP
REGISTER OF DEEDS
The above recording information verifies this document has been electronically recorded and returned to the submitter

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1146-75-22- 4.23
AMENDMENT NO:

040423_15.DWG REVISED: 05/21/2014

APPRAISAL PLAT DATE:

TRANSPORTATION PROJECT PLAT NO: 1146-75-22 - 4.24 AMENDMENT NO: 1

AMENDS PARCEL 63 OF TRANSPORTATION PROJECT PLAT 1146-75-22-4.24, RECORDED AS DOCUMENT #2017853. PART OF LOT 1 OF CSM 3642 BEING PART OF THE SE1/4-SE1/4 OF SECTION 27, T22N, R15E, ALL IN THE TOWN OF HORTONIA, OUTAGAMIE COUNTY, WISCONSIN

RELOCATION ORDER - STH 15 (LILY OF THE VALLEY DRIVE - USH 45), OUTAGAMIE COUNTY

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE NAMED PROJECT.

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Document #: **2035591**
Date: **02-06-2015** Time: **09:15 AM**
Pages: **1** Fee: **$25.00**
County: **OUTAGAMIE COUNTY** State: **WI**

SARAH R VAN CAMP , REGISTER OF DEEDS
The above recording information verifies this document has been electronically recorded and returned to the submitter

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1146-75-22- 4.24
AMENDMENT NO: 1

SCHEDULE OF LANDS & INTERESTS REQUIRED

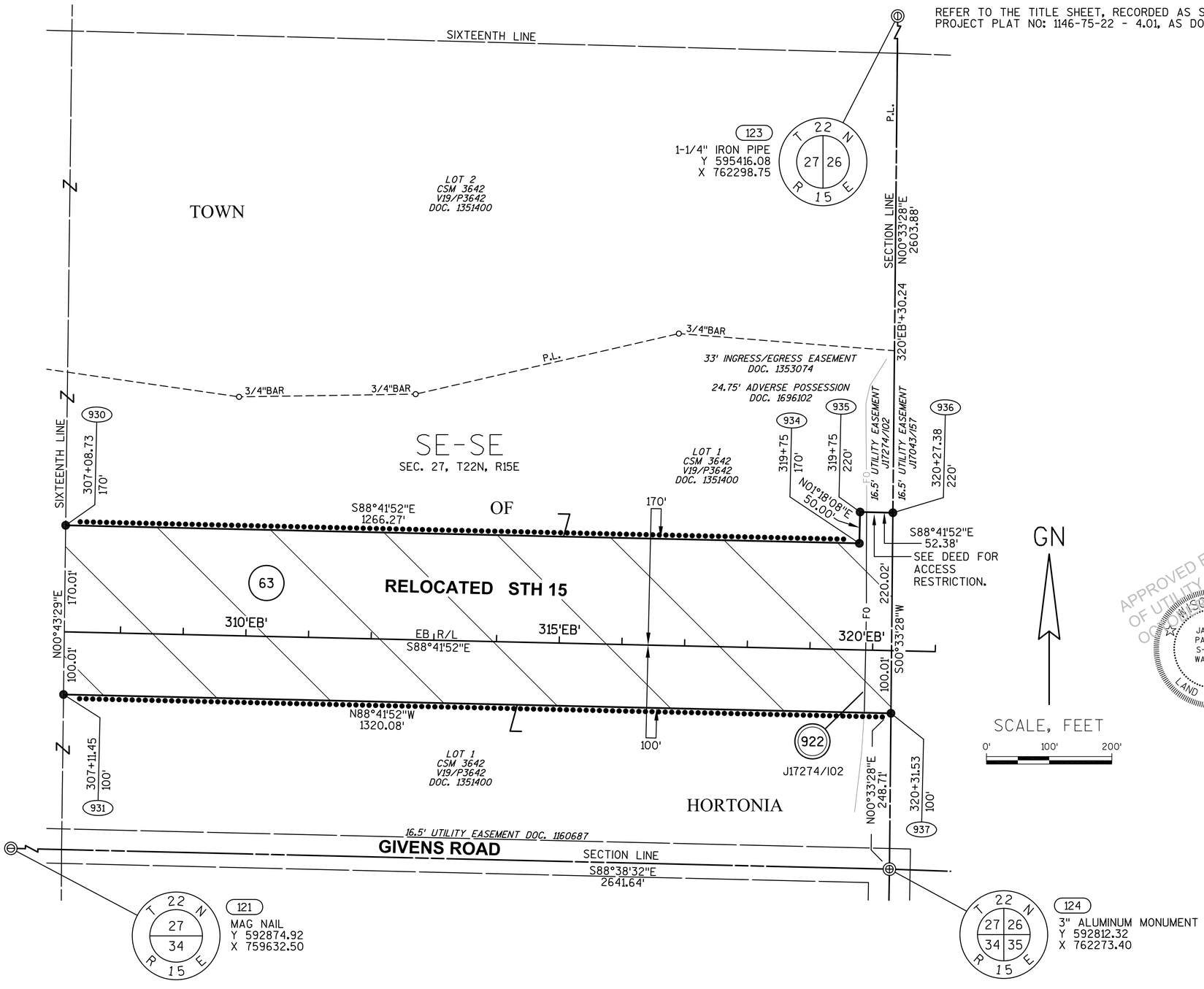
OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE DEPARTMENT.

PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	R/W NEW	ACRES REQUIRED EXISTING	TOTAL	TLE ACRES TEMP.
63	IRVING J. PARTIKA & GENEVRA PARTIKA	FEE	8.240	0	8.240	0

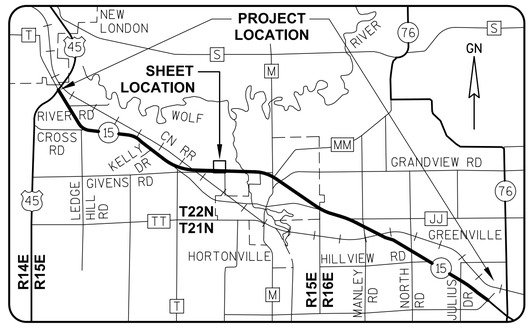
UTILITY INTERESTS REQUIRED:

922	AT&T WISCONSIN	RELEASE OF RIGHTS

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2 OF TRANSPORTATION PROJECT PLAT NO: 1146-75-22 - 4.01, AS DOCUMENT #2016623 FOR ADDITIONAL INFORMATION.



APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS
OCTOBER 2019
WISCONSIN
JAY W. PANETTI S-2747 WAUPUN, WI
LAND SURVEYOR



GREMMER & ASSOCIATES, INC.
CONSULTING ENGINEERS
Stevens Point • Fond du Lac

I, JAY W. PANETTI, REGISTERED LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION, I HAVE SURVEYED AND MAPPED TRANSPORTATION PROJECT PLAT 1146-75-22-4.24, AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

DATE 11/06/2014 JAY W. PANETTI
RLS S-2747, FOR GREMMER & ASSOCIATES, INC.

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION.

DATE 2/4/2015 CURT VAN EREM
REAL ESTATE SUPERVISOR

REVISED: 11/06/2014

040424_15.DWG

APPRAISAL PLAT DATE:

TRANSPORTATION PROJECT PLAT NO: 1146-75-22 - 4.24

PART OF LOT 1 OF CSM 3642 BEING PART OF THE SE1/4-SE1/4 OF SECTION 27, T22N, R15E, ALL IN THE TOWN OF HORTONIA, OUTAGAMIE COUNTY, WISCONSIN

RELOCATION ORDER - STH 15 (LILY OF THE VALLEY DRIVE - USH 45), OUTAGAMIE COUNTY

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE NAMED PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SUBSECTION 84.02 (3), 84.09 AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:
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REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2 OF TRANSPORTATION PROJECT PLAT NO: 1146-75-22 - 4.01, AS DOCUMENT #2016623 FOR ADDITIONAL INFORMATION.

Document #: **2017853**
Date: **06-19-2014** Time: **09:46 AM** Pages: **1**
Fee: **$25.00** County: **OUTAGAMIE** State: **WI**

SARAH R VAN CAMP
REGISTER OF DEEDS
The above recording information verifies this document has been electronically recorded and returned to the submitter

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1146-75-22- 4.24
AMENDMENT NO:

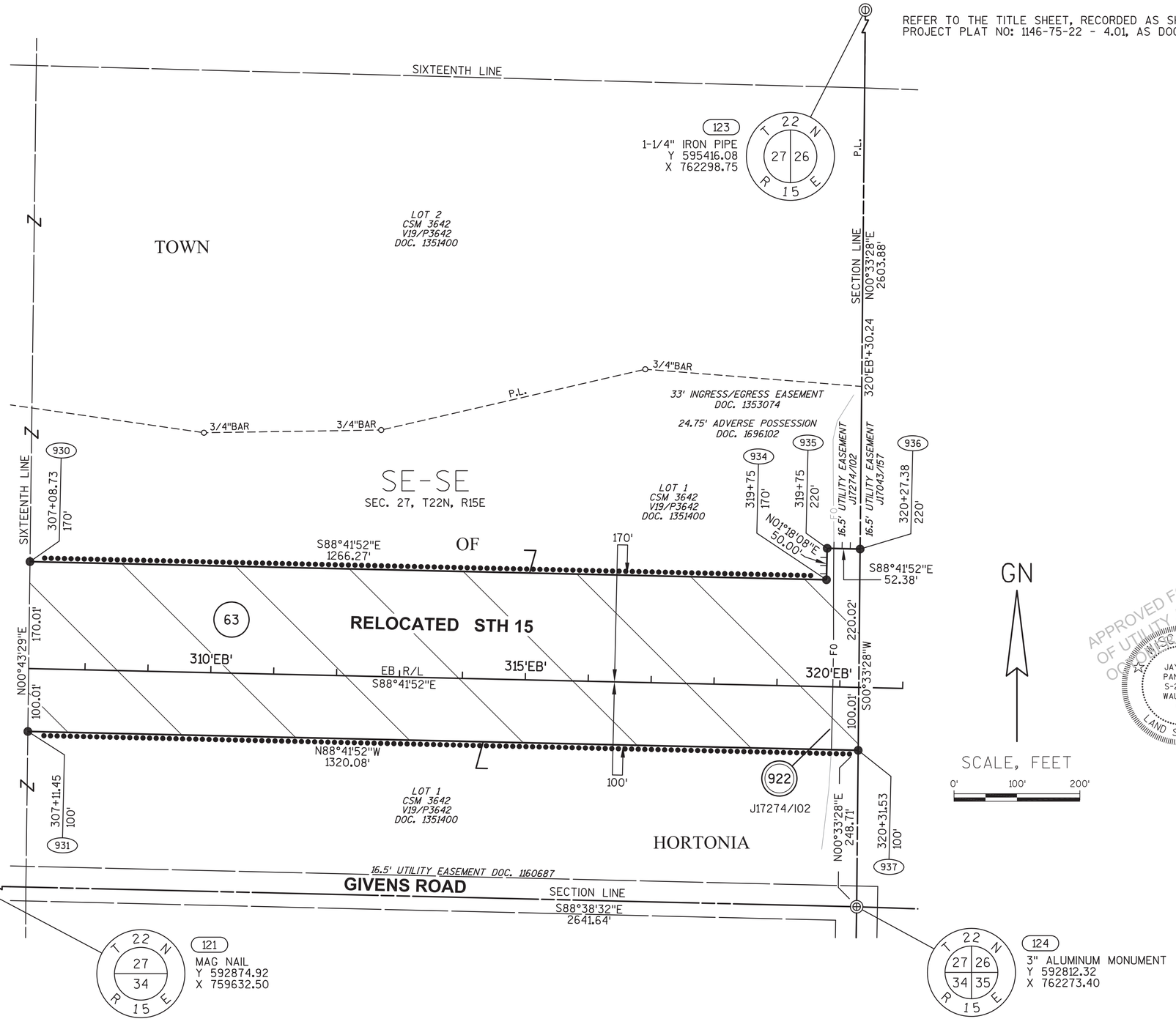
SCHEDULE OF LANDS & INTERESTS REQUIRED

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

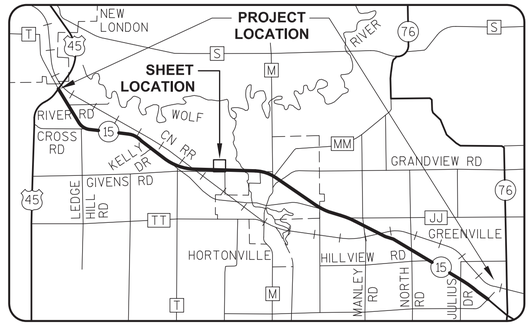
PARCEL NUMBER	OWNER (S)	INTEREST REQUIRED	R/W NEW	ACRES REQUIRED EXISTING	TOTAL	TLE ACRES TEMP.
63	IRVING J. PARTIKA & GENEVRA PARTIKA	FEE, ACCESS RIGHTS	8.240	0	8.240	0

UTILITY INTERESTS REQUIRED:

922	AT&T WISCONSIN	RELEASE OF RIGHTS



APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS
OCT 09 2019
WISCONSIN
JAY W. PANETTI S-2747 WAUPUN, WI
LAND SURVEYOR



GREMMER & ASSOCIATES, INC.
CONSULTING ENGINEERS
Stevens Point • Fond du Lac

I, JAY W. PANETTI, REGISTERED LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION, I HAVE SURVEYED AND MAPPED TRANSPORTATION PROJECT PLAT 1146-75-22-4.24, AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

DATE 5/21/2014 JAY W. PANETTI
RLS S-2747, FOR GREMMER & ASSOCIATES, INC.

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION.

DATE 6/18/2014 CURT VAN EREM
REAL ESTATE SUPERVISOR

040424_15.DWG REVISED: 05/21/2014

APPRAISAL PLAT DATE:

TRANSPORTATION PROJECT PLAT NO: 1146-75-22 - 4.25 AMENDMENT NO: 1

AMENDS PARCEL 64 OF TRANSPORTATION PROJECT PLAT 1146-75-22-4.25, RECORDED AS DOCUMENT #2017854.
PART OF THE SW1/4-SW1/4 OF SECTION 26, T22N, R15E, TOWN OF HORTONIA, OUTAGAMIE COUNTY, WISCONSIN

Document #: **2035592**
Date: **02-06-2015** Time: **09:16 AM**
Pages: **1** Fee: **$25.00**
County: **OUTAGAMIE COUNTY** State: **WI**

SARAH R VAN CAMP , REGISTER OF DEEDS
The above recording information verifies this document has been electronically recorded and returned to the submitter

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1146-75-22- 4.25
AMENDMENT NO: 1

RELOCATION ORDER - STH 15 (LILY OF THE VALLEY DRIVE - USH 45), OUTAGAMIE COUNTY

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE NAMED PROJECT.

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REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2 OF TRANSPORTATION PROJECT PLAT NO: 1146-75-22 - 4.01, AS DOCUMENT #2016623 FOR ADDITIONAL INFORMATION.

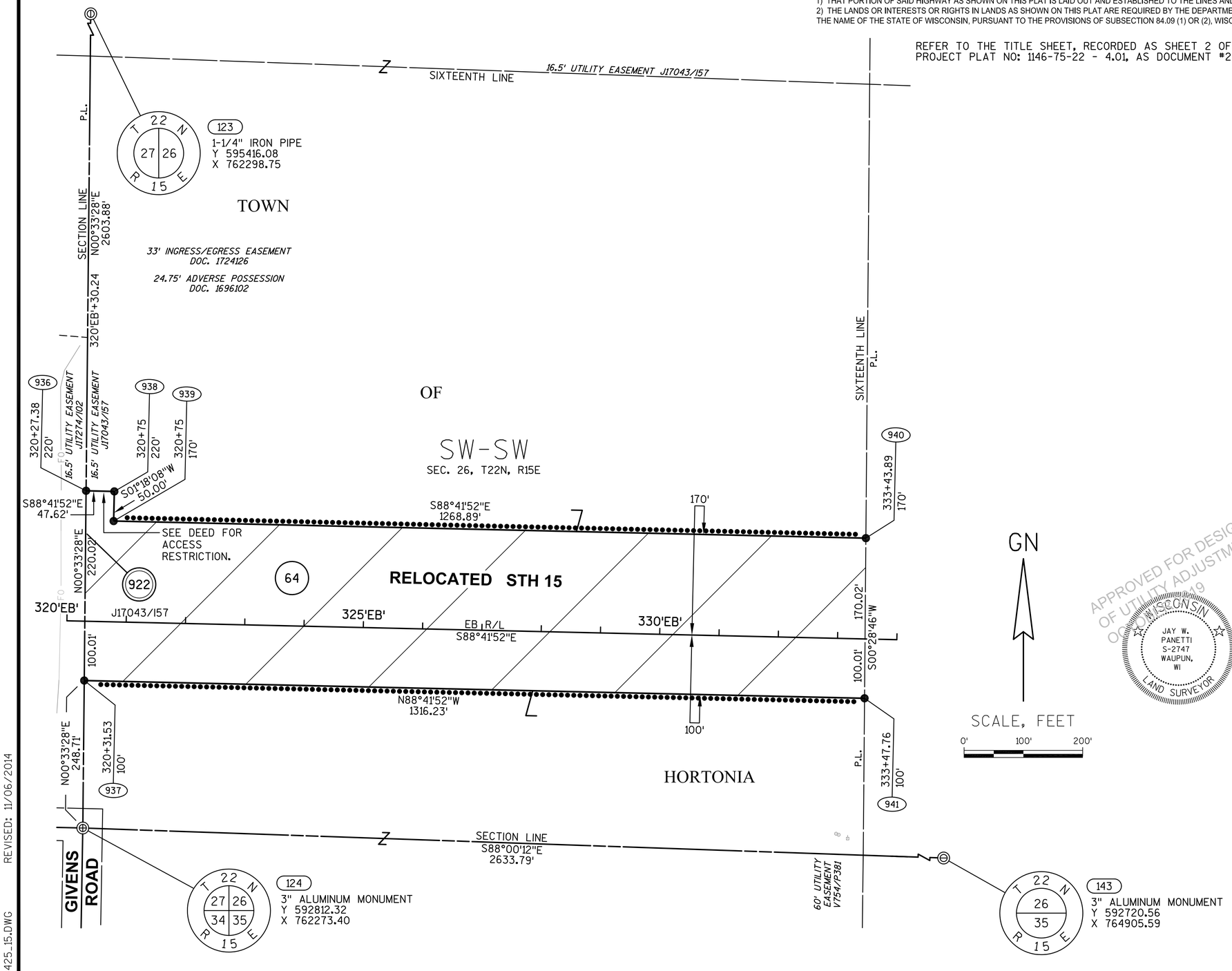
SCHEDULE OF LANDS & INTERESTS REQUIRED

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

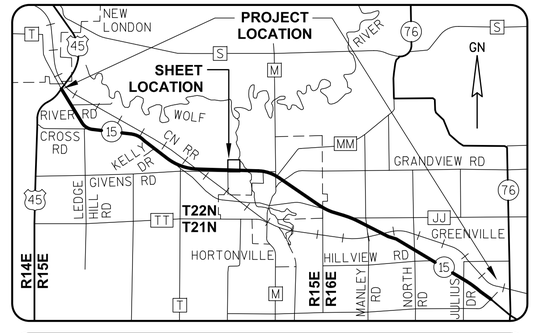
PARCEL NUMBER	OWNER (S)	INTEREST REQUIRED	R/W NEW	ACRES REQUIRED EXISTING	TOTAL	TLE ACRES TEMP.
64	JAMES I. SYKES & MARIANN D. SYKES	FEE	8.212	0	8.212	0

UTILITY INTERESTS REQUIRED:

922	AT&T WISCONSIN	RELEASE OF RIGHTS



APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS
OCTOBER 2019
WISCONSIN
JAY W. PANETTI S-2747 WAUPUN, WI
LAND SURVEYOR



GREMMER & ASSOCIATES, INC.
CONSULTING ENGINEERS
Stevens Point • Fond du Lac

I, JAY W. PANETTI, REGISTERED LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION, I HAVE SURVEYED AND MAPPED TRANSPORTATION PROJECT PLAT 1146-75-22-4.25, AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

DATE 11/06/2014 JAY W. PANETTI
RLS S-2747, FOR GREMMER & ASSOCIATES, INC.

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION.

DATE 2/4/2015 CURT VAN EREM
REAL ESTATE SUPERVISOR

040425_15.DWG REVISED: 11/06/2014

APPRAISAL PLAT DATE:

TRANSPORTATION PROJECT PLAT NO: 1146-75-22 - 4.25

PART OF THE SW1/4-SW1/4 OF SECTION 26, T22N, R15E, TOWN OF HORTONIA, OUTAGAMIE COUNTY, WISCONSIN

RELOCATION ORDER - STH 15 (LILY OF THE VALLEY DRIVE - USH 45), OUTAGAMIE COUNTY

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE NAMED PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SUBSECTION 84.02 (3), 84.09 AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:
1) THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE NAMED PROJECT.
2) THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SUBSECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2 OF TRANSPORTATION PROJECT PLAT NO: 1146-75-22 - 4.01, AS DOCUMENT #2016623 FOR ADDITIONAL INFORMATION.

Document #: **2017854**
Date: **06-19-2014** Time: **09:47 AM** Pages: **1**
Fee: **$25.00** County: **OUTAGAMIE** State: **WI**

SARAH R VAN CAMP
REGISTER OF DEEDS
The above recording information verifies this document has been electronically recorded and returned to the submitter

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1146-75-22- 4.25
AMENDMENT NO:

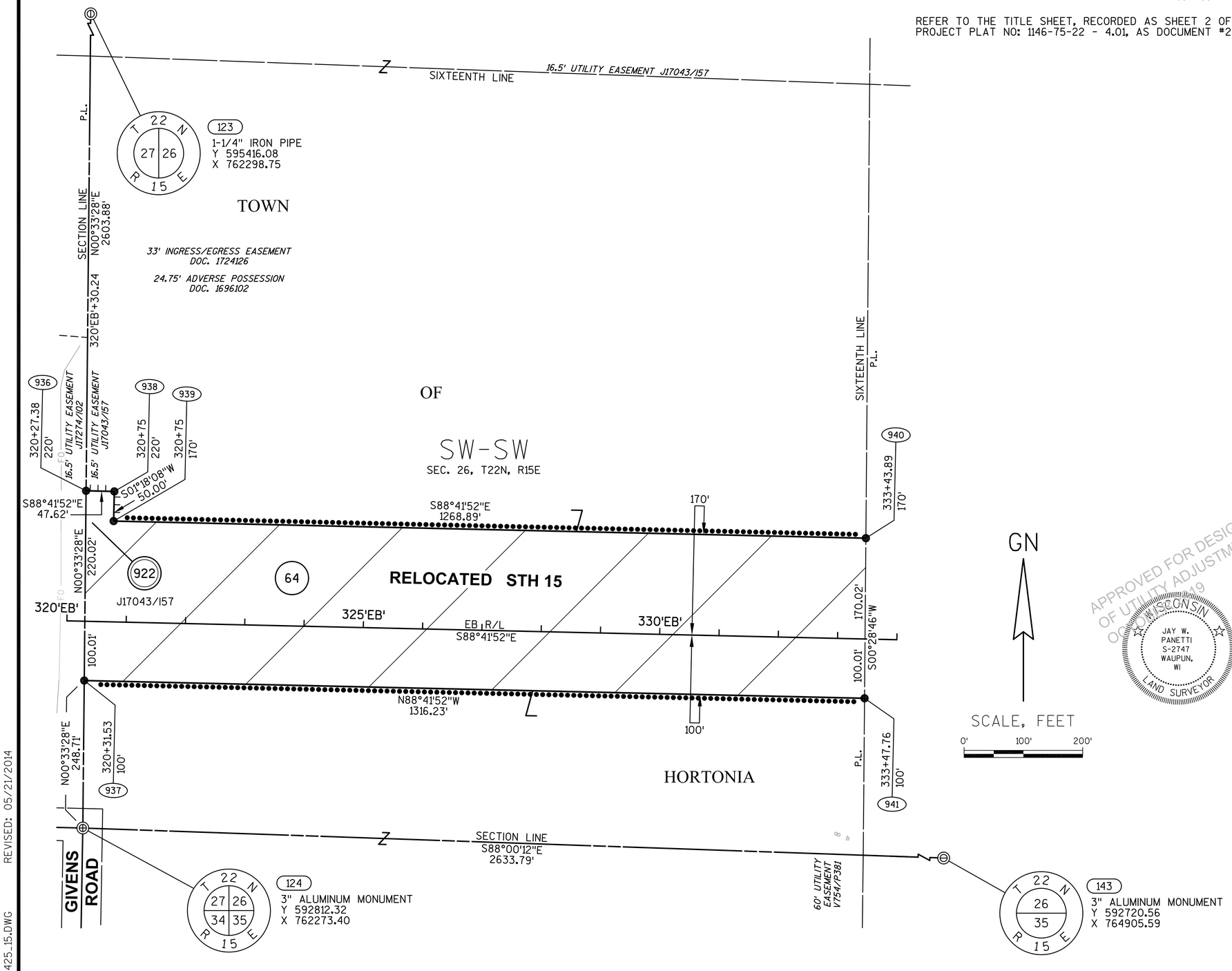
SCHEDULE OF LANDS & INTERESTS REQUIRED

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

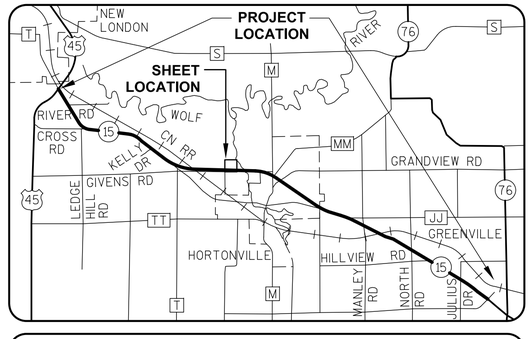
PARCEL NUMBER	OWNER (S)	INTEREST REQUIRED	R/W NEW	ACRES REQUIRED EXISTING	TOTAL	TLE ACRES TEMP.
64	JAMES I. SYKES & MARIANN D. SYKES	FEE, ACCESS RIGHTS	8.212	0	8.212	0

UTILITY INTERESTS REQUIRED:

922	AT&T WISCONSIN	RELEASE OF RIGHTS



APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS
OCTOBER 2019
WISCONSIN
JAY W. PANETTI S-2747 WAUPUN, WI
LAND SURVEYOR



GREMMER & ASSOCIATES, INC.
CONSULTING ENGINEERS
Stevens Point • Fond du Lac

I, JAY W. PANETTI, REGISTERED LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION, I HAVE SURVEYED AND MAPPED TRANSPORTATION PROJECT PLAT 1146-75-22-4.25, AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

DATE 5/21/2014 JAY W. PANETTI
RLS S-2747, FOR GREMMER & ASSOCIATES, INC.

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION.

DATE 6/18/2014 CURT VAN EREM
REAL ESTATE SUPERVISOR

040425_15.DWG REVISED: 05/21/2014

APPRAISAL PLAT DATE:

TRANSPORTATION PROJECT PLAT NO: 1146-75-22 - 4.26 AMENDMENT NO: 1

AMENDS PARCEL 66 OF TRANSPORTATION PROJECT PLAT 1146-75-22-4.26, RECORDED AS DOCUMENT #2017855.
PART OF THE SE1/4-SW1/4 OF SECTION 26, T22N, R15E, TOWN OF HORTONIA, OUTAGAMIE COUNTY, WISCONSIN

RELOCATION ORDER - STH 15 (LILY OF THE VALLEY DRIVE - USH 45), OUTAGAMIE COUNTY

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE NAMED PROJECT.

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2) THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SUBSECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

Document #: **2035792**
Date: **02-09-2015** Time: **12:33 PM**
Pages: **1** Fee: **$25.00**
County: **OUTAGAMIE COUNTY** State: **WI**

SARAH R VAN CAMP, REGISTER OF DEEDS
The above recording information verifies this document has been electronically recorded and returned to the submitter

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1146-75-22- 4.26
AMENDMENT NO: 1

SCHEDULE OF LANDS & INTERESTS REQUIRED

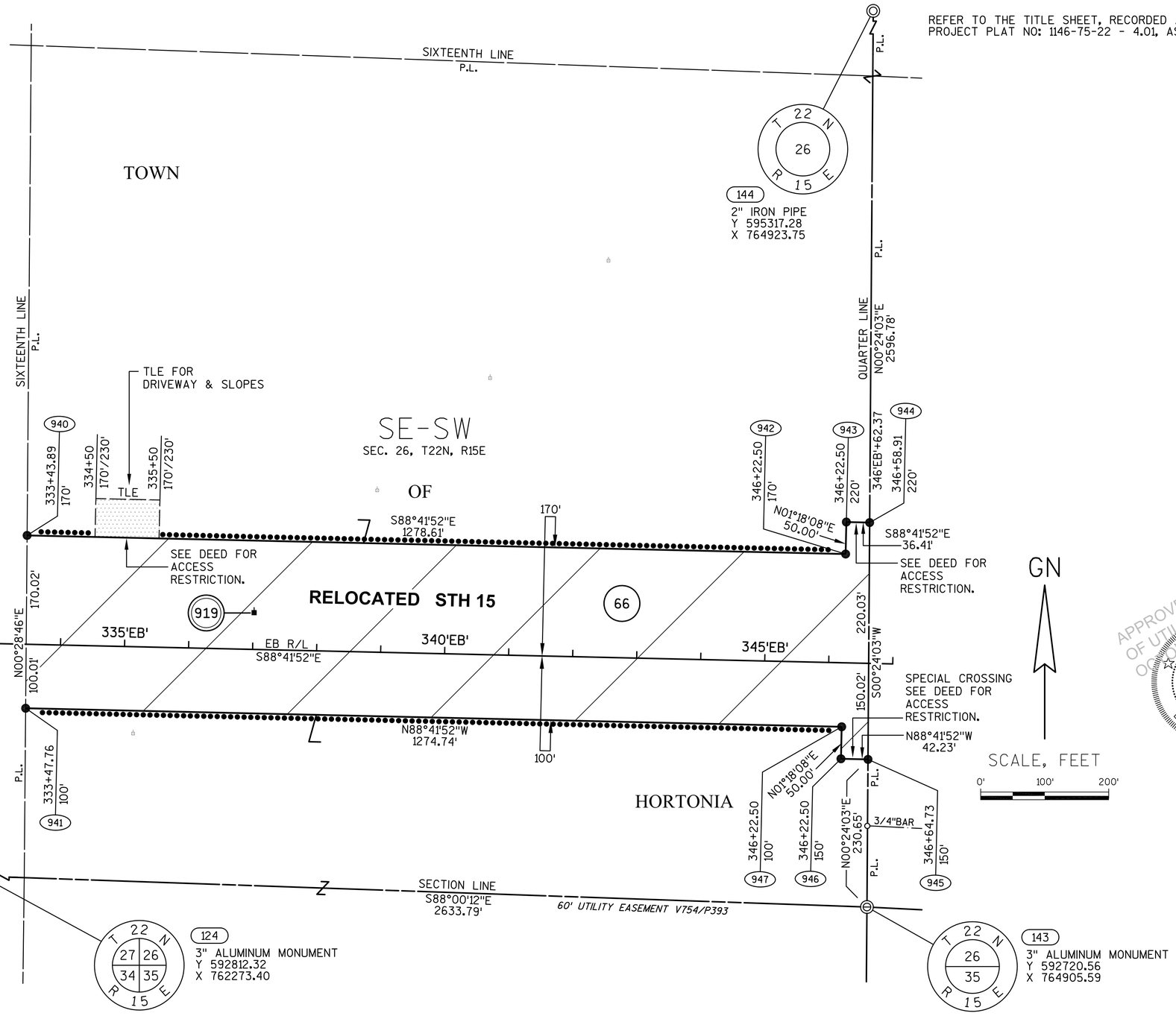
OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE DEPARTMENT.

PARCEL NUMBER	OWNER (S)	INTEREST REQUIRED	R/W NEW	ACRES REQUIRED EXISTING	TOTAL	TLE ACRES TEMP.
66	DON E. PARKER & MARGARET E. PARKER	FEE, TLE	8.247	0	8.247	0.138

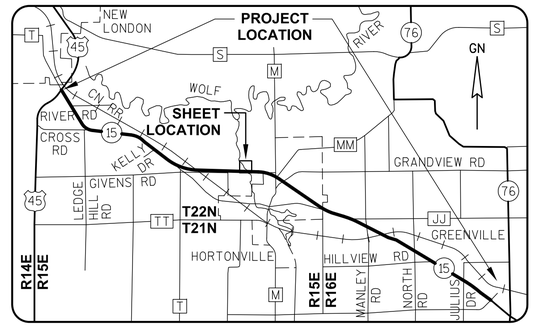
UTILITY INTERESTS REQUIRED:

919	WE ENERGIES - ELECTRIC	RELEASE OF RIGHTS

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2 OF TRANSPORTATION PROJECT PLAT NO: 1146-75-22 - 4.01, AS DOCUMENT #2016623 FOR ADDITIONAL INFORMATION.



APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS
OCTOBER 2019
WISCONSIN
JAY W. PANETTI
S-2747
WAUPUN, WI
LAND SURVEYOR



GREMMER & ASSOCIATES, INC.
CONSULTING ENGINEERS
Stevens Point • Fond du Lac

I, JAY W. PANETTI, REGISTERED LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION, I HAVE SURVEYED AND MAPPED TRANSPORTATION PROJECT PLAT 1146-75-22-4.26, AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

DATE 12/09/2014 JAY W. PANETTI
RLS S-2747, FOR GREMMER & ASSOCIATES, INC.

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION.

DATE 2/6/2015 CURT VAN EREM
REAL ESTATE SUPERVISOR

040426_15.DWG REVISED: 12/09/2014

APPRAISAL PLAT DATE:

TRANSPORTATION PROJECT PLAT NO: 1146-75-22 - 4.26

PART OF THE SE1/4-SW1/4 OF SECTION 26, T22N, R15E, TOWN OF HORTONIA, OUTAGAMIE COUNTY, WISCONSIN

RELOCATION ORDER - STH 15 (LILY OF THE VALLEY DRIVE - USH 45), OUTAGAMIE COUNTY

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE NAMED PROJECT.

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REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2 OF TRANSPORTATION PROJECT PLAT NO: 1146-75-22 - 4.01, AS DOCUMENT #2016623 FOR ADDITIONAL INFORMATION.

Document #: **2017855**
Date: **06-19-2014** Time: **09:48 AM** Pages: **1**
Fee: **$25.00** County: **OUTAGAMIE** State: **WI**

SARAH R VAN CAMP
REGISTER OF DEEDS
The above recording information verifies this document has been electronically recorded and returned to the submitter

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1146-75-22- 4.26
AMENDMENT NO:

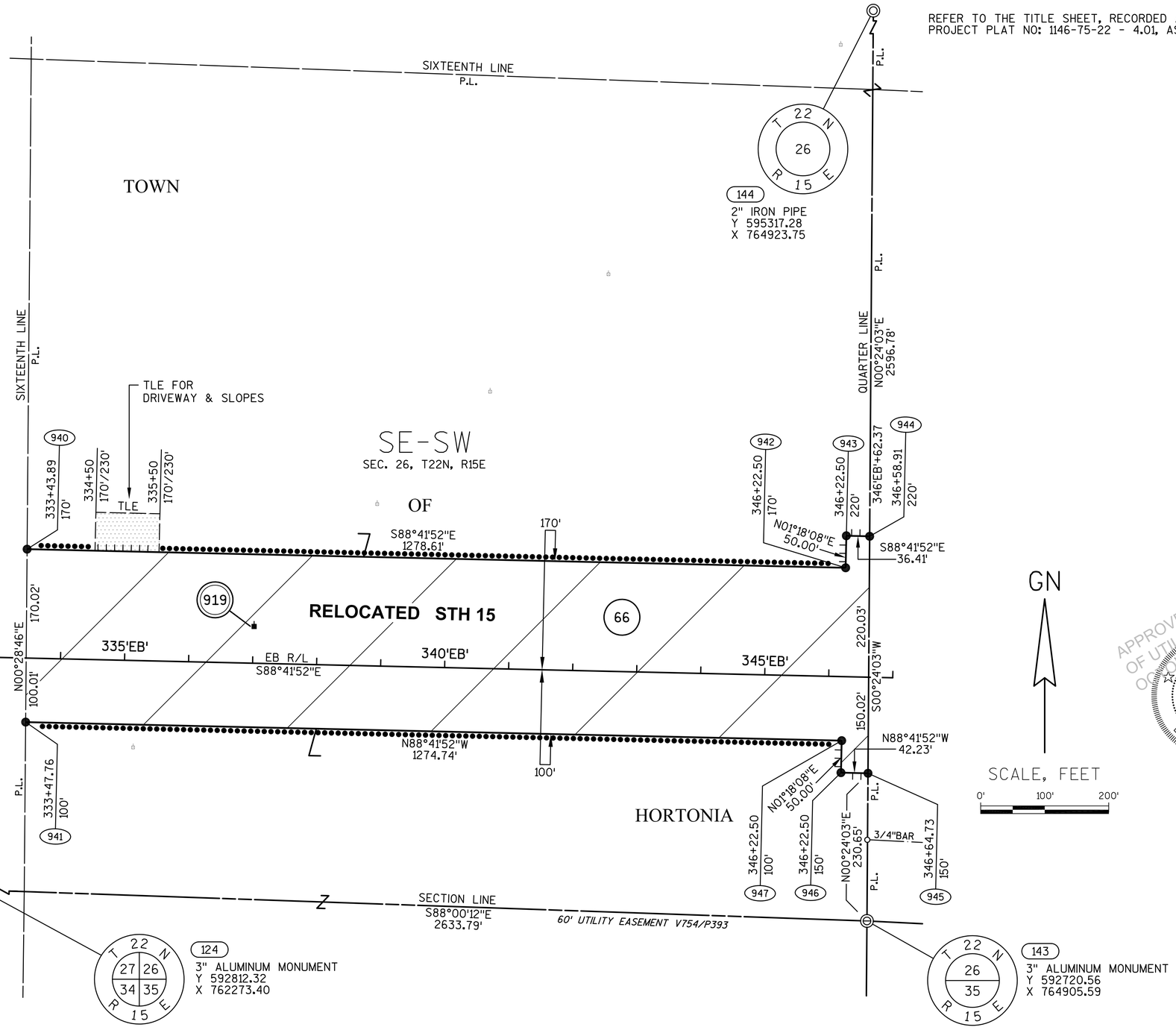
SCHEDULE OF LANDS & INTERESTS REQUIRED

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

PARCEL NUMBER	OWNER (S)	INTEREST REQUIRED	R/W NEW	ACRES REQUIRED EXISTING	TOTAL	TLE ACRES TEMP.
66	DON E. PARKER & MARGARET E. PARKER	FEE, ACCESS RIGHTS, TLE	8.247	0	8.247	0.138

UTILITY INTERESTS REQUIRED:

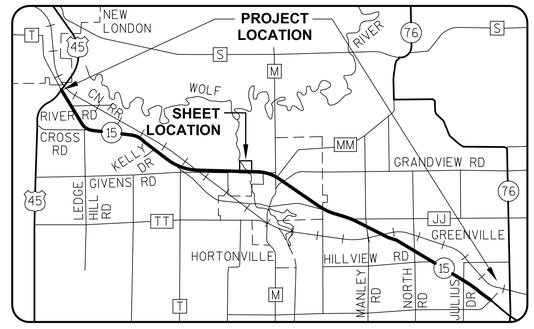
919	WE ENERGIES - ELECTRIC	RELEASE OF RIGHTS



GN

SCALE, FEET
0' 100' 200'

APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS
OCT 09 2019
WISCONSIN
JAY W. PANETTI S-2747 WAUPUN, WI
LAND SURVEYOR



GREMMER & ASSOCIATES, INC.
CONSULTING ENGINEERS
Stevens Point • Fond du Lac

I, JAY W. PANETTI, REGISTERED LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION, I HAVE SURVEYED AND MAPPED TRANSPORTATION PROJECT PLAT 1146-75-22-4.26, AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

DATE 5/21/2014 JAY W. PANETTI
RLS S-2747, FOR GREMMER & ASSOCIATES, INC.

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION.

DATE 6/18/2014 CURT VAN EREM
REAL ESTATE SUPERVISOR

040426_15.DWG REVISED: 05/21/2014

APPRAISAL PLAT DATE:

TRANSPORTATION PROJECT PLAT NO: 1146-75-22 - 4.27 AMENDMENT NO: 1

AMENDS PARCEL 67 AND PARCEL 68 OF TRANSPORTATION PROJECT PLAT 1146-75-22-4.27, RECORDED AS DOCUMENT #2017856.
PART OF THE SW1/4-SE1/4 OF SECTION 26, T22N, R15E, TOWN OF HORTONIA, OUTAGAMIE COUNTY, WISCONSIN

RELOCATION ORDER - STH 15 (LILY OF THE VALLEY DRIVE - USH 45), OUTAGAMIE COUNTY

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE NAMED PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SUBSECTION 84.02 (3), 84.09 AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:
1) THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE NAMED PROJECT.
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REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2 OF TRANSPORTATION PROJECT PLAT NO: 1146-75-22 - 4.01, AS DOCUMENT #2016623 FOR ADDITIONAL INFORMATION.

Document #: **2035793**
Date: **02-09-2015** Time: **12:34 PM**
Pages: **1** Fee: **$25.00**
County: **OUTAGAMIE COUNTY** State: **WI**

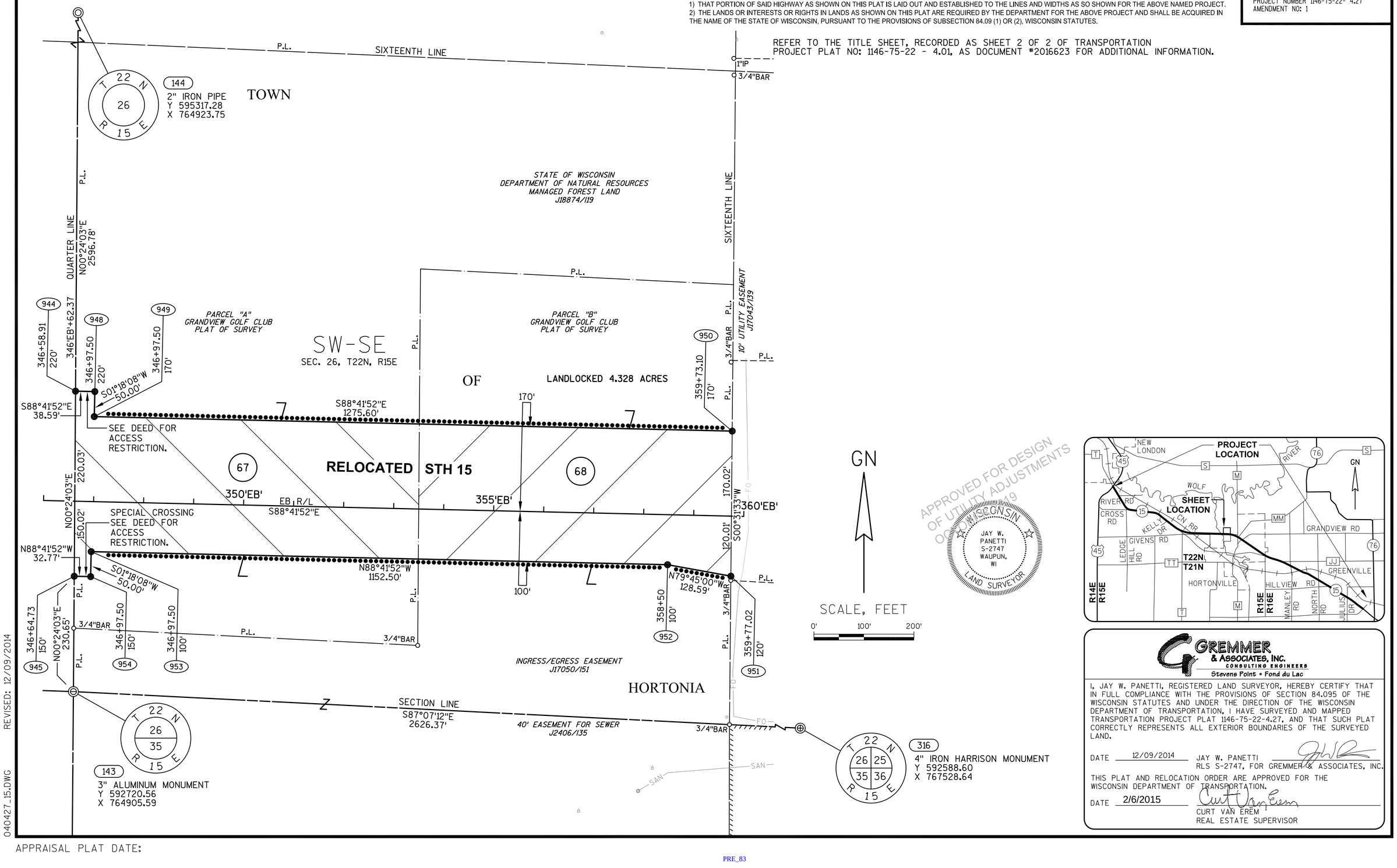
SARAH R VAN CAMP, REGISTER OF DEEDS
The above recording information verifies this document has been electronically recorded and returned to the submitter

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1146-75-22- 4.27
AMENDMENT NO: 1

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.

PARCEL NUMBER	OWNER (S)	INTEREST REQUIRED	R/W ACRES REQUIRED NEW	EXISTING	TOTAL	TLE ACRES TEMP.
67	MICHAEL S. SCHERNICK	FEE	4.345	0	4.345	0
68	GRAND VIEW GOLF CLUB, INC.	FEE	3.905	0	3.905	0



APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS
ONLY WISCONSIN
JAY W. PANETTI
S-2747
WAUPUN, WI
LAND SURVEYOR

GREMMER & ASSOCIATES, INC.
CONSULTING ENGINEERS
Stevens Point • Fond du Lac

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DATE 12/09/2014 JAY W. PANETTI
RLS S-2747, FOR GREMMER & ASSOCIATES, INC.

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION.

DATE 2/6/2015 CURT VAN EREM
REAL ESTATE SUPERVISOR

REVISED: 12/09/2014
040427_15.DWG

APPRAISAL PLAT DATE:

TRANSPORTATION PROJECT PLAT NO: 1146-75-22 - 4.27

PART OF THE SW1/4-SE1/4 OF SECTION 26, T22N, R15E, TOWN OF HORTONIA, OUTAGAMIE COUNTY, WISCONSIN

Document #: **2017856**
Date: **06-19-2014** Time: **09:48 AM** Pages: **1**
Fee: **$25.00** County: **OUTAGAMIE** State: **WI**

SARAH R VAN CAMP
REGISTER OF DEEDS
The above recording information verifies this document has been electronically recorded and returned to the submitter

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1146-75-22- 4.27
AMENDMENT NO:

RELOCATION ORDER - STH 15 (LILY OF THE VALLEY DRIVE - USH 45), OUTAGAMIE COUNTY

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE NAMED PROJECT.

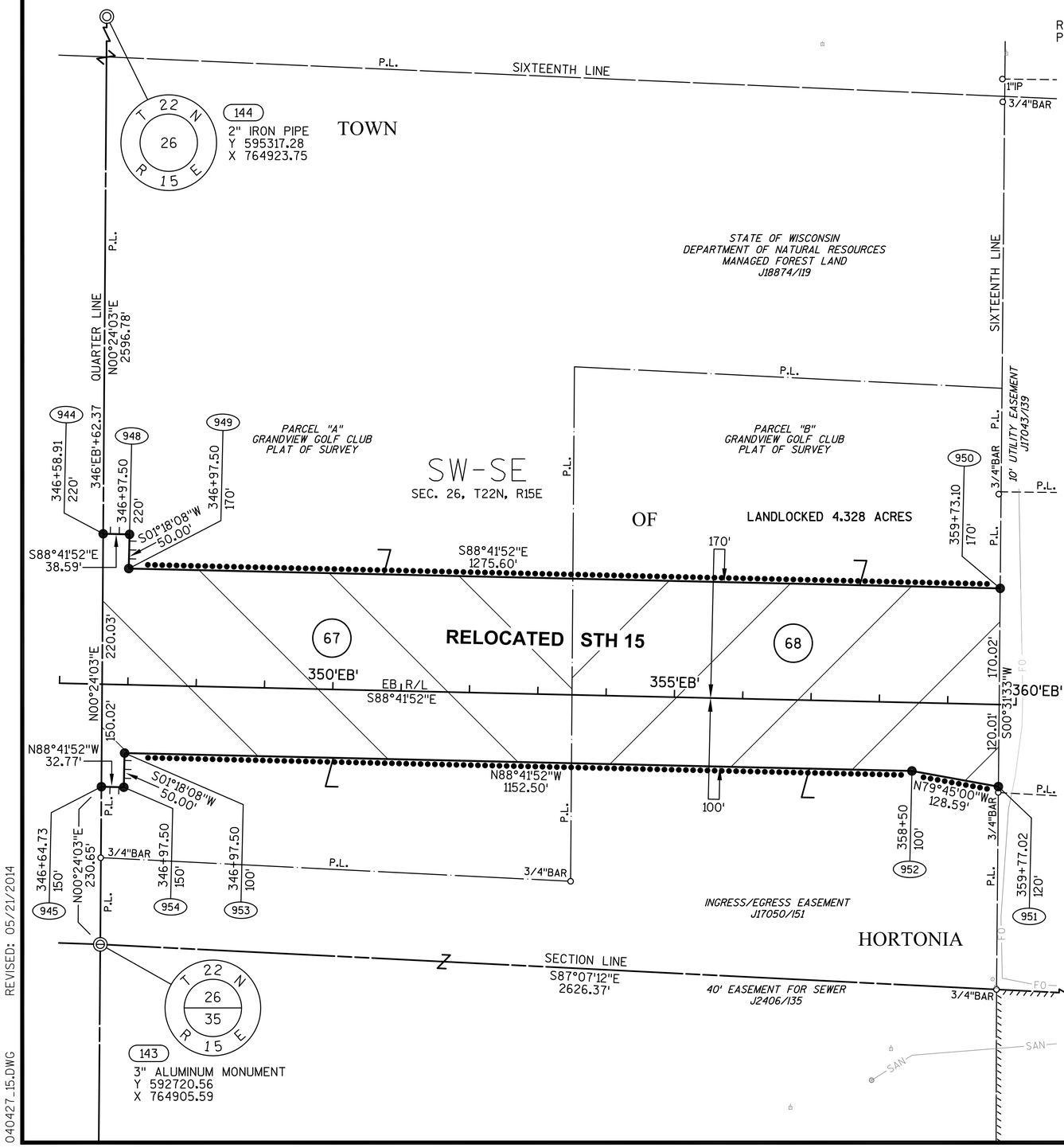
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REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2 OF TRANSPORTATION PROJECT PLAT NO: 1146-75-22 - 4.01, AS DOCUMENT #2016623 FOR ADDITIONAL INFORMATION.

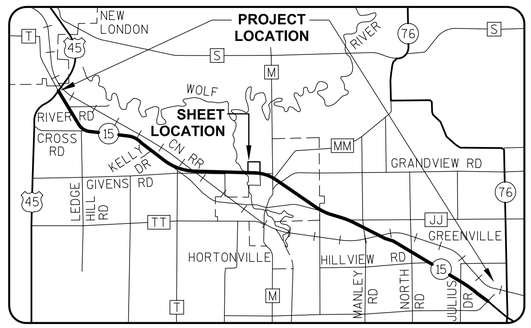
SCHEDULE OF LANDS & INTERESTS REQUIRED

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PARCEL NUMBER	OWNER (S)	INTEREST REQUIRED	R/W ACRES REQUIRED NEW	EXISTING	TOTAL	TLE ACRES TEMP.
67	MICHAEL S. SCHERNICK	FEE, ACCESS RIGHTS	4.345	0	4.345	0
68	GRAND VIEW GOLF CLUB, INC.	FEE, ACCESS RIGHTS	3.905	0	3.905	0



APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS
ONLY WISCONSIN
JAY W. PANETTI S-2747 WAUPUN, WI
LAND SURVEYOR



GREMMER & ASSOCIATES, INC.
CONSULTING ENGINEERS
Stevens Point • Fond du Lac

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DATE 5/21/2014 JAY W. PANETTI
RLS S-2747, FOR GREMMER & ASSOCIATES, INC.

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION.

DATE 6/18/2014 CURT VAN EREM
REAL ESTATE SUPERVISOR

REVISED: 05/21/2014
040427_15.DWG

APPRAISAL PLAT DATE:

TRANSPORTATION PROJECT PLAT NO: 1146-75-22 - 4.28 AMENDMENT NO: 1

AMENDS PARCEL 69 OF TRANSPORTATION PROJECT PLAT 1146-75-22-4.28, RECORDED AS DOCUMENT #2017857. PART OF LOT 1 OF CSM 4252 BEING PART OF THE SE1/4-SE1/4 OF SECTION 26, T22N, R15E, ALL IN THE TOWN OF HORTONIA, OUTAGAMIE COUNTY, WISCONSIN

RELOCATION ORDER - STH 15 (LILY OF THE VALLEY DRIVE - USH 45), OUTAGAMIE COUNTY

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE NAMED PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SUBSECTION 84.02 (3), 84.09 AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:
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2) THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SUBSECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

Document #: **2035593**
Date: **02-06-2015** Time: **09:16 AM**
Pages: **1** Fee: **$25.00**
County: **OUTAGAMIE COUNTY** State: **WI**

SARAH R VAN CAMP , REGISTER OF DEEDS
The above recording information verifies this document has been electronically recorded and returned to the submitter

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1146-75-22- 4.28
AMENDMENT NO: 1

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2 OF TRANSPORTATION PROJECT PLAT NO: 1146-75-22 - 4.01, AS DOCUMENT #2016623 FOR ADDITIONAL INFORMATION.

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.

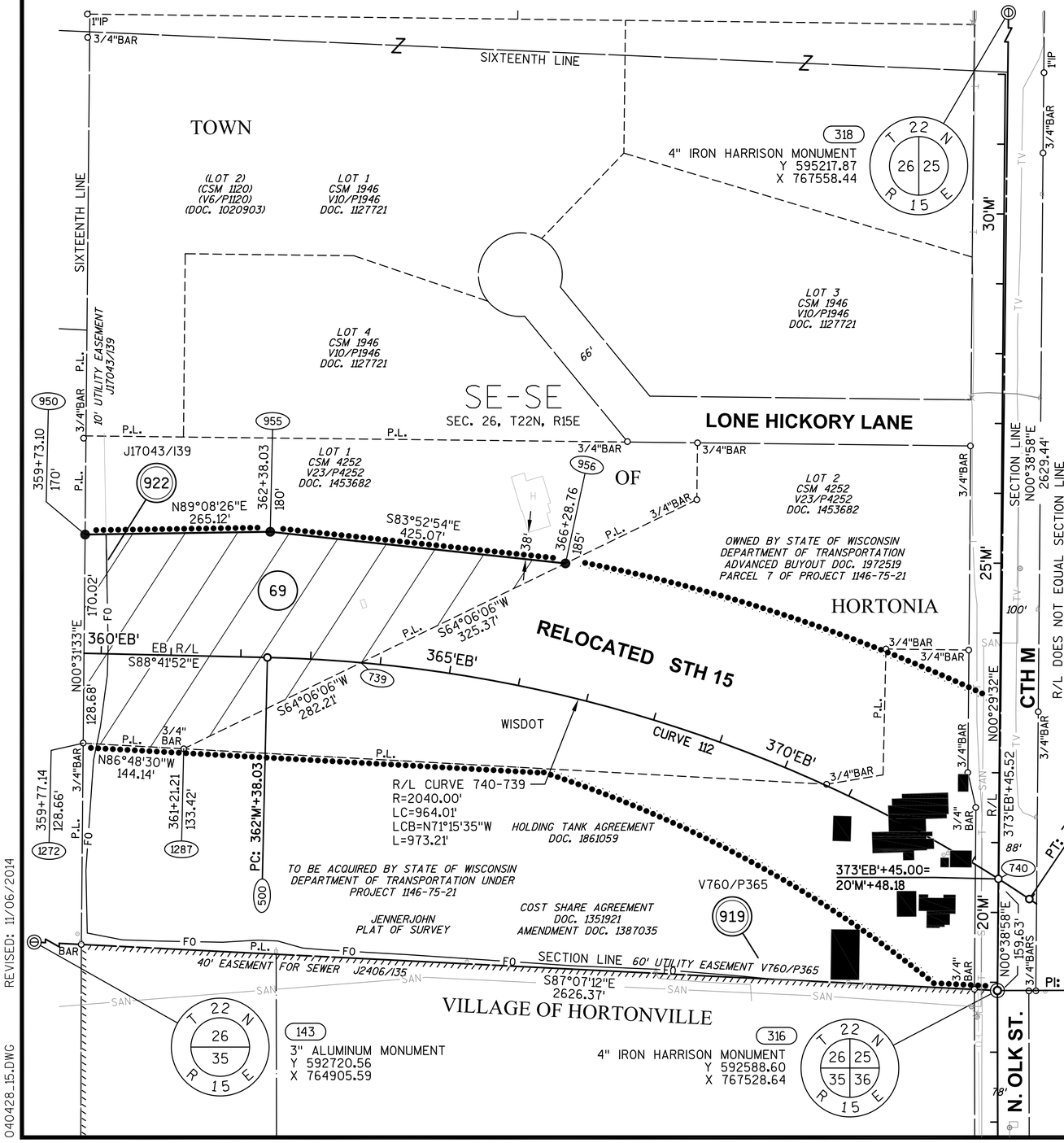
PARCEL NUMBER	OWNER (S)	INTEREST REQUIRED	R/W ACRES REQUIRED NEW	EXISTING	TOTAL	TLE ACRES TEMP.
69	DARLENE R. GRANT & BRUCE GRANT	FEE	3.005	0	3.005	0

UTILITY INTERESTS REQUIRED:

919	WE ENERGIES - ELECTRIC	RELEASE OF RIGHTS
922	AT&T WISCONSIN	RELEASE OF RIGHTS

BASIS OF EXISTING HIGHWAY R/W

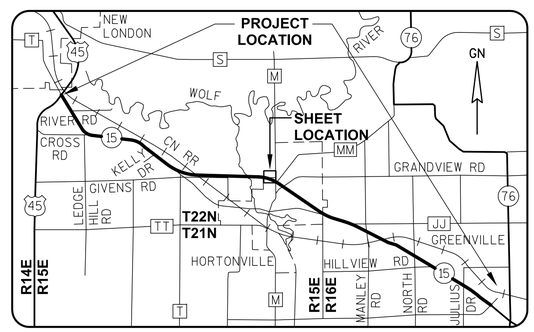
ROUTE	BASIS	YEAR
CTH M	OUTAGAMIE COUNTY MONUMENTATION PLAT	2009



GN

SCALE, FEET
0' 100' 200'

APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS
OCT 30 2019
WISCONSIN
JAY W. PANETTI S-2747 WAUPUN, WI
LAND SURVEYOR



RL CURVE DATA

CURVE	112 STH 15 EB
PI	368'EB'+34.136
N	593051.857
E	767079.455
DELTA	32°34'40"
D	02°48'31"
T	596.108'
L	1159.921'
R	2040.000'
LC	1144.360'
LCB	N72°24'32"W

GREMMER & ASSOCIATES, INC.
CONSULTING ENGINEERS
Stevens Point • Fond du Lac

I, JAY W. PANETTI, REGISTERED LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION, I HAVE SURVEYED AND MAPPED TRANSPORTATION PROJECT PLAT 1146-75-22-4.28, AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

DATE 11/06/2014 JAY W. PANETTI
RLS S-2747, FOR GREMMER & ASSOCIATES, INC.

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION.

DATE 2/4/2015 CURT VAN EREM
REAL ESTATE SUPERVISOR

040428_15.DWG REVISED: 11/06/2014

APPRAISAL PLAT DATE:

TRANSPORTATION PROJECT PLAT NO: 1146-75-22 - 4.28

PART OF LOT 1 OF CSM 4252 BEING PART OF THE SE1/4-SE1/4 OF SECTION 26, T22N, R15E, ALL IN THE TOWN OF HORTONIA, OUTAGAMIE COUNTY, WISCONSIN

RELOCATION ORDER - STH 15 (LILY OF THE VALLEY DRIVE - USH 45), OUTAGAMIE COUNTY

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE NAMED PROJECT.

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Document #: **2017857**
Date: **06-19-2014** Time: **09:50 AM** Pages: **1**
Fee: **$25.00** County: **OUTAGAMIE** State: **WI**

SARAH R VAN CAMP
REGISTER OF DEEDS
The above recording information verifies this document has been electronically recorded and returned to the submitter

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1146-75-22- 4.28
AMENDMENT NO:

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2 OF TRANSPORTATION PROJECT PLAT NO: 1146-75-22 - 4.01, AS DOCUMENT #2016623 FOR ADDITIONAL INFORMATION.

SCHEDULE OF LANDS & INTERESTS REQUIRED

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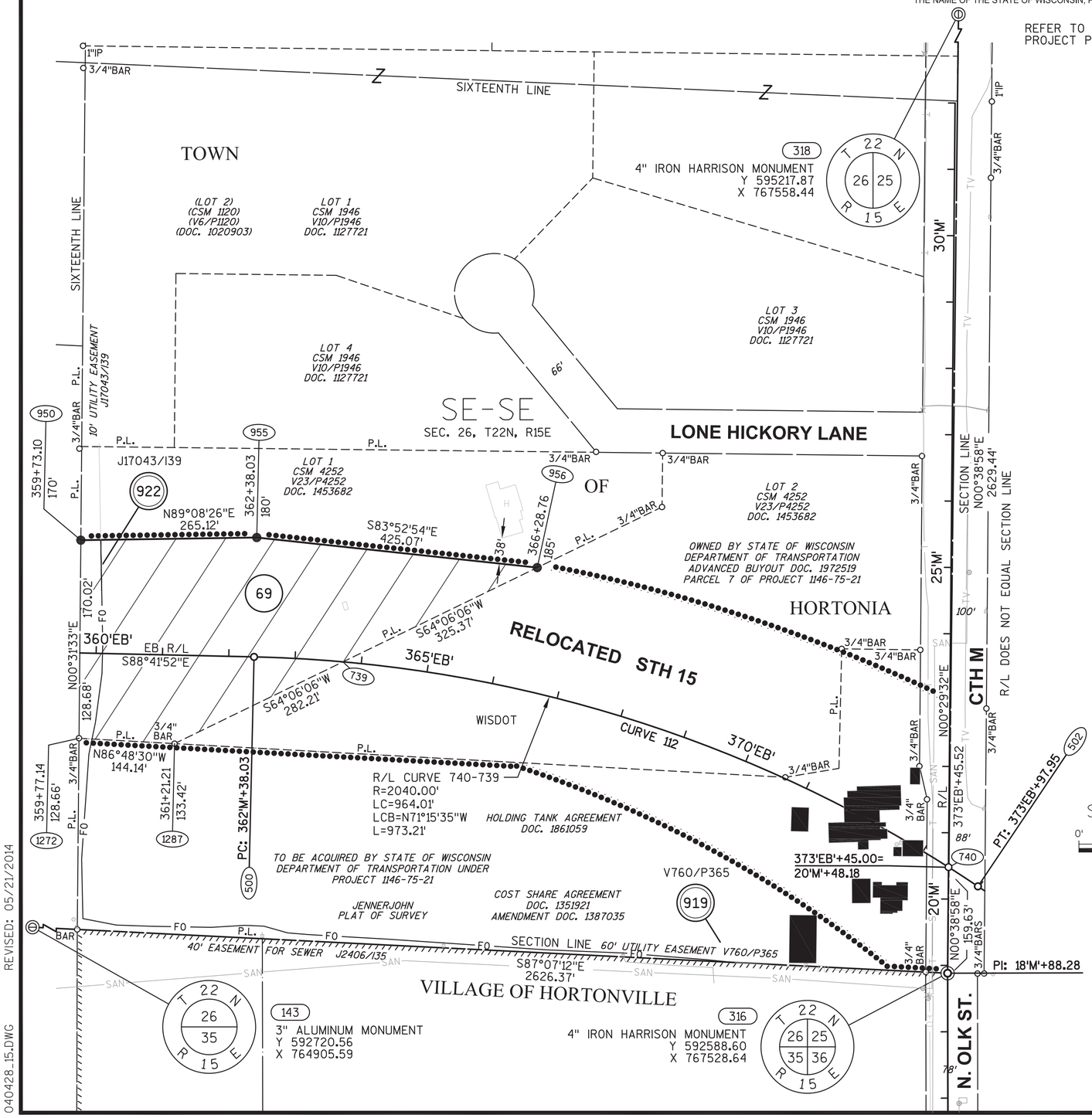
PARCEL NUMBER	OWNER (S)	INTEREST REQUIRED	R/W ACRES REQUIRED NEW	EXISTING	TOTAL	TLE ACRES TEMP.
69	DARLENE R. GRANT & BRUCE GRANT	FEE, ACCESS RIGHTS	3.005	0	3.005	0

UTILITY INTERESTS REQUIRED:

919	WE ENERGIES - ELECTRIC	RELEASE OF RIGHTS
922	AT&T WISCONSIN	RELEASE OF RIGHTS

BASIS OF EXISTING HIGHWAY R/W

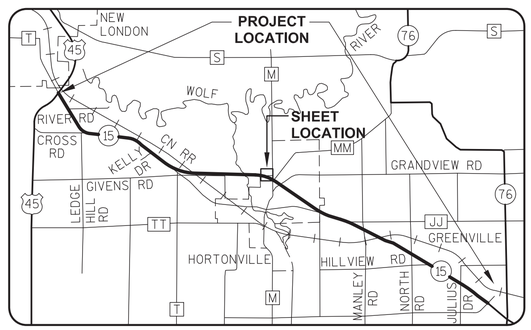
ROUTE	BASIS	YEAR
CTH M	OUTAGAMIE COUNTY MONUMENTATION PLAT	2009



GN

SCALE, FEET
0' 100' 200'

APPROVED FOR DESIGN OF UTILITY ADJUSTMENTS
OCT 2019
WISCONSIN
JAY W. PANETTI S-2747 WAUPUN, WI
LAND SURVEYOR



RL CURVE DATA
CURVE 112 STH 15 EB

PI	368'EB'+34.136
N	593051.857
E	767079.455
DELTA	32°34'40"
D	02°48'31"
T	596.108'
L	1159.921'
R	2040.000'
LC	1144.360'
LCB	N72°24'32"W

GREMMER & ASSOCIATES, INC.
CONSULTING ENGINEERS
Stevens Point • Fond du Lac

I, JAY W. PANETTI, REGISTERED LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION, I HAVE SURVEYED AND MAPPED TRANSPORTATION PROJECT PLAT 1146-75-22-4.28, AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

DATE 5/21/2014 JAY W. PANETTI
RLS S-2747, FOR GREMMER & ASSOCIATES, INC.

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION.

DATE 6/18/2014 CURT VAN EREM
REAL ESTATE SUPERVISOR

040428_15.DWG REVISED: 05/21/2014

APPRAISAL PLAT DATE:

TRANSPORTATION PROJECT PLAT NO: 1146-75-22 - 4.29 AMENDMENT NO. 3

AMENDS PARCEL 101 OF TRANSPORTATION PROJECT PLAT 1146-75-22-4.29 AMENDMENT NO. 2 RECORDED AS DOCUMENT NO. 2064145, AND AMENDS PARCELS 105 AND 107, AND REMOVES PARCEL 108 OF TRANSPORTATION PROJECT PLAT 1146-75-22-4.29 RECORDED AS DOCUMENT NO. 2020289. PART OF LOTS 1 AND 2 OF CSM 381, AND PART OF LOT 1 OF CSM 6784, AND PART OF LOTS 7 AND 8 OF WILDWOOD VILLAGE, AND PART OF THE SW1/4-SW1/4 AND THE SE1/4-SW1/4 OF SECTION 25, T22N, R15E, ALL IN THE VILLAGE OF HORTONVILLE, OUTAGAMIE COUNTY, WISCONSIN

RELOCATION ORDER - STH 15 (LILY OF THE VALLEY DRIVE - USH 45), OUTAGAMIE COUNTY

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE NAMED PROJECT.

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Document #: **2087449**
Date: **10-19-2016** Time: **03:09 PM**
Pages: **1** Fee: **$25.00**
County: **OUTAGAMIE COUNTY** State: **WI**

SARAH R VAN CAMP, REGISTER OF DEEDS
This document has been electronically recorded and returned to:
WiDotNeRegionGreenbay

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1146-75-22- 4.29
AMENDMENT NO: 3

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2 OF TRANSPORTATION PROJECT PLAT NO. 1146-75-22- 4.01, AS DOCUMENT #2016623 FOR ADDITIONAL INFORMATION.

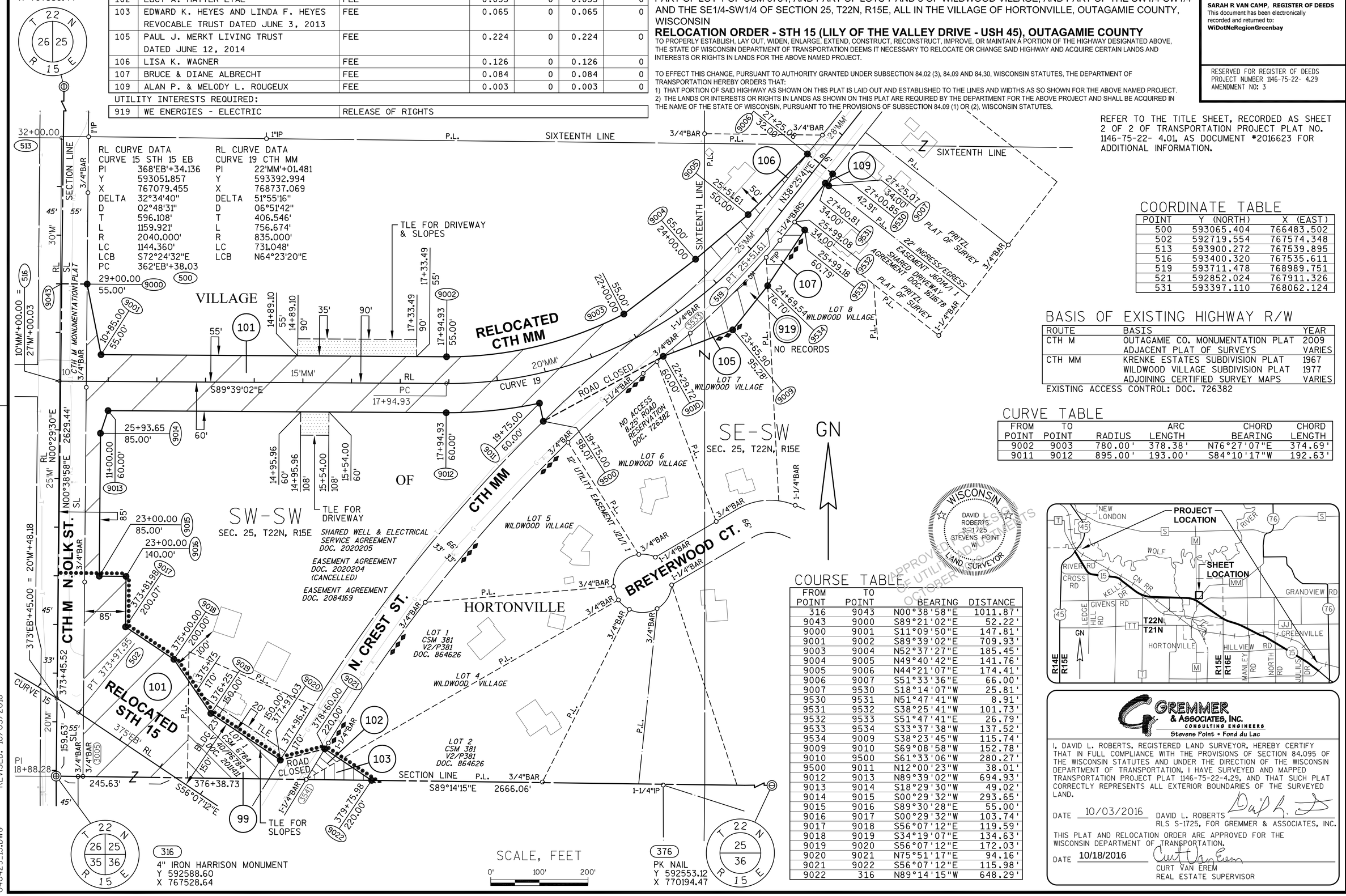
SCHEDULE OF LANDS & INTERESTS REQUIRED

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

PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	R/W ACRES REQUIRED NEW	EXISTING	TOTAL	TLE ACRES TEMP.
99	MARK BRIETRICK	FEE, TLE	0.451	0	0.451	0.090
101	WAYNE I. BREITRICK	FEE, TLE	5.017	0	5.017	0.260
102	LUCY A. HAYTER ETAL	FEE	0.033	0	0.033	0
103	EDWARD K. HEYES AND LINDA F. HEYES REVOCABLE TRUST DATED JUNE 3, 2013	FEE	0.065	0	0.065	0
105	PAUL J. MERKT LIVING TRUST DATED JUNE 12, 2014	FEE	0.224	0	0.224	0
106	LISA K. WAGNER	FEE	0.126	0	0.126	0
107	BRUCE & DIANE ALBRECHT	FEE	0.084	0	0.084	0
109	ALAN P. & MELODY L. ROUGEUX	FEE	0.003	0	0.003	0

UTILITY INTERESTS REQUIRED:

919	WE ENERGIES - ELECTRIC	RELEASE OF RIGHTS



COORDINATE TABLE

POINT	Y (NORTH)	X (EAST)
500	593065.404	766483.502
502	592719.554	767574.348
513	593900.272	767539.895
516	593400.320	767535.611
519	593711.478	768989.751
521	592852.024	767911.326
531	593397.110	768062.124

BASIS OF EXISTING HIGHWAY R/W

ROUTE	BASIS	YEAR
CTH M	OUTAGAMIE CO. MONUMENTATION PLAT	2009
	ADJACENT PLAT OF SURVEYS	VARIES
CTH MM	KRENKE ESTATES SUBDIVISION PLAT	1967
	WILDWOOD VILLAGE SUBDIVISION PLAT	1977
	ADJOINING CERTIFIED SURVEY MAPS	VARIES

EXISTING ACCESS CONTROL: DOC. 726382

CURVE TABLE

FROM POINT	TO POINT	RADIUS	ARC LENGTH	CHORD BEARING	CHORD LENGTH
9002	9003	780.00'	378.38'	N76°27'07"E	374.69'
9011	9012	895.00'	193.00'	S84°10'17"W	192.63'

COURSE TABLE

FROM POINT	TO POINT	BEARING	DISTANCE
316	9043	N00°38'58"E	1011.87'
9043	9000	S89°21'02"E	52.22'
9000	9001	S11°09'50"E	147.81'
9001	9002	S89°39'02"E	709.93'
9003	9004	N52°37'27"E	185.45'
9004	9005	N49°40'42"E	141.76'
9005	9006	N44°21'07"E	174.41'
9006	9007	S51°33'36"E	66.00'
9007	9530	S18°14'07"W	25.81'
9530	9531	N51°47'41"W	8.91'
9531	9532	S38°25'41"W	101.73'
9532	9533	S51°47'41"E	26.79'
9533	9534	S33°37'38"W	137.52'
9534	9009	S38°23'45"W	115.74'
9009	9010	S69°08'58"W	152.78'
9010	9500	S61°33'06"W	280.27'
9500	9011	N12°00'23"W	38.01'
9012	9013	N89°39'02"W	694.93'
9013	9014	S18°29'30"W	49.02'
9014	9015	S00°29'32"W	293.65'
9015	9016	S89°30'28"E	55.00'
9016	9017	S00°29'32"W	103.74'
9017	9018	S56°07'12"E	119.59'
9018	9019	S34°19'07"E	134.63'
9019	9020	S56°07'12"E	172.03'
9020	9021	N75°51'17"E	94.16'
9021	9022	S56°07'12"E	115.98'
9022	316	N89°14'15"W	648.29'

WISCONSIN
DAVID L. ROBERTS S-1725 STEVENS POINT WI
LAND SURVEYOR
APPROVED FOR USE OF UTILITY ADJUSTMENTS OCTOBER 2016

GREMMER & ASSOCIATES, INC.
CONSULTING ENGINEERS
Stevens Point • Fond du Lac

I, DAVID L. ROBERTS, REGISTERED LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION, I HAVE SURVEYED AND MAPPED TRANSPORTATION PROJECT PLAT 1146-75-22-4.29, AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

DATE 10/03/2016 DAVID L. ROBERTS
RLS S-1725, FOR GREMMER & ASSOCIATES, INC.

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION.

DATE 10/18/2016 CURT VAN EREM
REAL ESTATE SUPERVISOR

REVISED: 10/03/2016

040429_15.DWG

APPRAISAL PLAT DATE:

TRANSPORTATION PROJECT PLAT NO: 1146-75-22 - 4.29 AMENDMENT NO. 2

AMENDS PARCEL 101 OF TRANSPORTATION PROJECT PLAT 1146-75-22-4.29 AMENDMENT NO. 1 RECORDED AS DOCUMENT NO. 2035594. PART OF LOTS 1 AND 2 OF CSM 381, AND PART OF LOT 1 OF CSM 6784, AND PART OF LOTS 7 AND 8 OF WILDWOOD VILLAGE, AND PART OF THE SW1/4-SW1/4 AND THE SE1/4-SW1/4 OF SECTION 25, T22N, R15E, ALL IN THE VILLAGE OF HORTONVILLE, OUTAGAMIE COUNTY, WISCONSIN

RELOCATION ORDER - STH 15 (LILY OF THE VALLEY DRIVE - USH 45), OUTAGAMIE COUNTY

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE NAMED PROJECT.

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Document #: **2064145**
Date: **01-21-2016** Time: **10:30 AM**
Pages: **1** Fee: **$25.00**
County: **OUTAGAMIE COUNTY** State: **WI**

SARAH R VAN CAMP , REGISTER OF DEEDS
This document has been electronically recorded and returned to:
WiDotNeRegionGreenbay

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1146-75-22- 4.29
AMENDMENT NO: 2

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2 OF TRANSPORTATION PROJECT PLAT NO. 1146-75-22- 4.01, AS DOCUMENT #2016623 FOR ADDITIONAL INFORMATION.

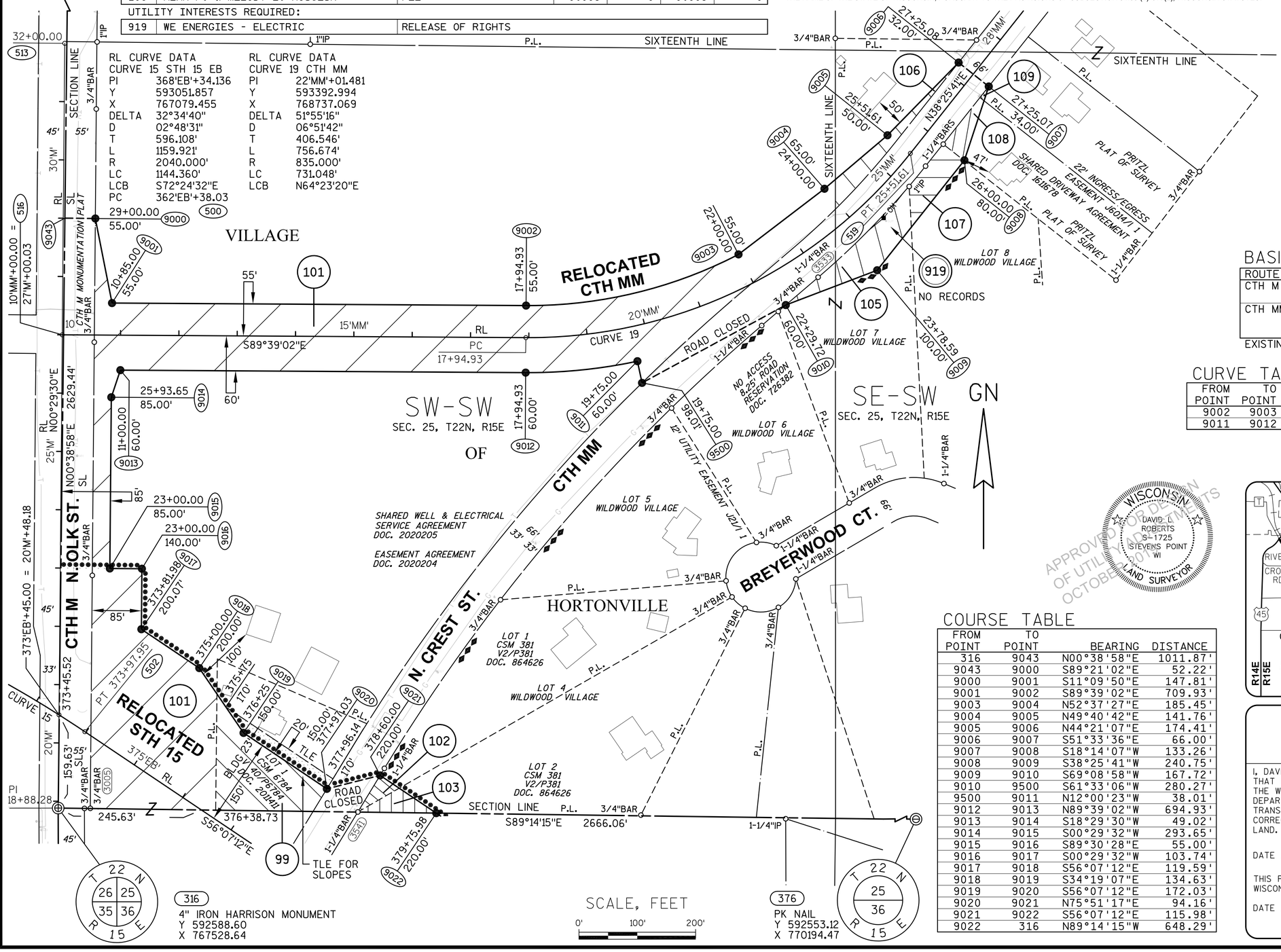
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103	EDWARD K. HEYES AND LINDA F. HEYES REVOCABLE TRUST DATED JUNE 3, 2013	FEE	0.065	0	0.065	0
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106	LISA K. WAGNER	FEE	0.126	0	0.126	0
107	BRUCE & DIANE ALBRECHT	FEE	0.127	0	0.127	0
108	GARY S. GASSER	FEE	0.064	0	0.064	0
109	ALAN P. & MELODY L. ROUGEUX	FEE	0.003	0	0.003	0

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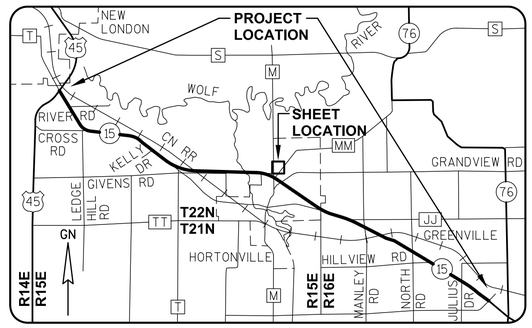
EXISTING ACCESS CONTROL: DOC. 726382

CURVE TABLE

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WISCONSIN
DAVID L. ROBERTS
S-1725
STEVENS POINT WI
LAND SURVEYOR
APPROVED FOR DESIGN OF UTILITY FACILITIES OCTOBER 2016

GREMMER & ASSOCIATES, INC.
CONSULTING ENGINEERS
Stevens Point • Fond du Lac

I, DAVID L. ROBERTS, REGISTERED LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION, I HAVE SURVEYED AND MAPPED TRANSPORTATION PROJECT PLAT 1146-75-22-4.29, AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

DATE 01/10/2016 DAVID L. ROBERTS
RLS S-1725, FOR GREMMER & ASSOCIATES, INC.

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION.

DATE 1/19/2016 CURT VAN EREM
REAL ESTATE SUPERVISOR

040429_15.DWG REVISED: 01/10/2016

APPRAISAL PLAT DATE:

TRANSPORTATION PROJECT PLAT NO: 1146-75-22 - 4.29 AMENDMENT NO. 1

ADDS PARCEL 99 AND AMENDS PARCEL 101 OF TRANSPORTATION PROJECT PLAT 1146-75-22-4.29 RECORDED AS DOCUMENT NO. 2020289. PART OF LOTS 1 AND 2 OF CSM 381, AND PART OF LOT 1 OF CSM 6784, AND PART OF LOTS 7 AND 8 OF WILDWOOD VILLAGE, AND PART OF THE SW1/4-SW1/4 AND THE SE1/4-SW1/4 OF SECTION 25, T22N, R15E, ALL IN THE VILLAGE OF HORTONVILLE, OUTAGAMIE COUNTY, WISCONSIN

RELOCATION ORDER - STH 15 (LILY OF THE VALLEY DRIVE - USH 45), OUTAGAMIE COUNTY

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE NAMED PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SUBSECTION 84.02 (3), 84.09 AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:
1) THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE NAMED PROJECT.
2) THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SUBSECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

Document #: **2035594**
Date: **02-06-2015** Time: **09:16 AM**
Pages: **1** Fee: **$25.00**
County: **OUTAGAMIE COUNTY** State: **WI**

SARAH R VAN CAMP, REGISTER OF DEEDS
The above recording information verifies this document has been electronically recorded and returned to the submitter

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1146-75-22- 4.29
AMENDMENT NO: 1

SCHEDULE OF LANDS & INTERESTS REQUIRED

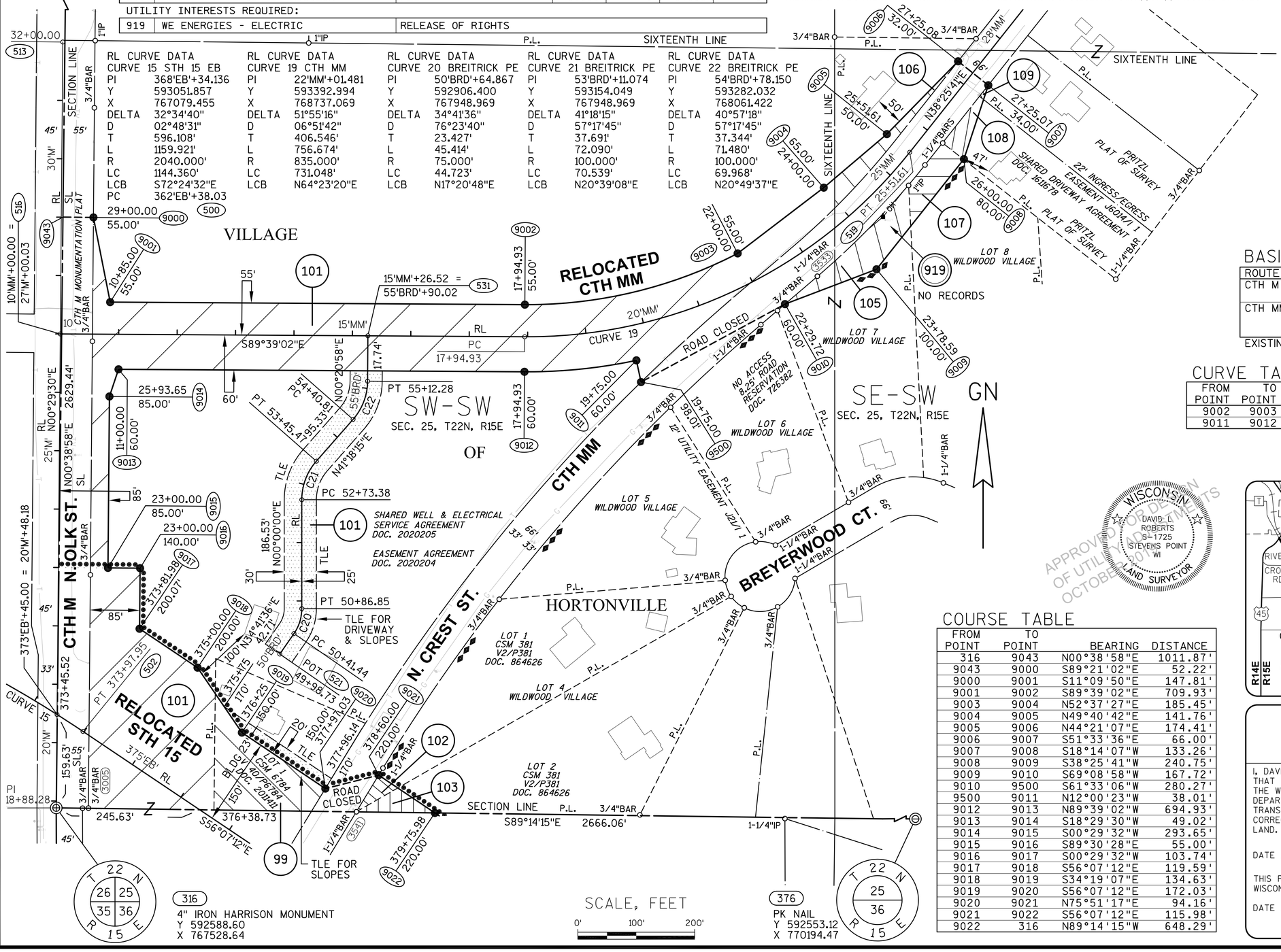
OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE DEPARTMENT.

PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	R/W ACRES REQUIRED NEW	EXISTING	TOTAL	TLE ACRES TEMP.
99	MARK BRIETRICK	FEE, TLE	0.451	0	0.451	0.090
101	WAYNE I. BREITRICK	FEE, TLE	5.017	0	5.017	0.669
102	LUCY A. HAYTER ETAL	FEE	0.033	0	0.033	0
103	EDWARD K. HEYES AND LINDA F. HEYES REVOCABLE TRUST DATED JUNE 3, 2013	FEE	0.065	0	0.065	0
105	PAUL J. MERKT LIVING TRUST DATED JUNE 12, 2014	FEE	0.243	0	0.243	0
106	LISA K. WAGNER	FEE	0.126	0	0.126	0
107	BRUCE & DIANE ALBRECHT	FEE	0.127	0	0.127	0
108	GARY S. GASSER	FEE	0.064	0	0.064	0
109	ALAN P. & MELODY L. ROUGEUX	FEE	0.003	0	0.003	0

UTILITY INTERESTS REQUIRED:

919	WE ENERGIES - ELECTRIC	RELEASE OF RIGHTS

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2 OF TRANSPORTATION PROJECT PLAT NO. 1146-75-22- 4.01, AS DOCUMENT #2016623 FOR ADDITIONAL INFORMATION.



COORDINATE TABLE

POINT	Y (NORTH)	X (EAST)
500	593065.404	766483.502
502	592719.554	767574.348
513	593900.272	767539.895
516	593400.320	767535.611
519	593711.478	768989.751
521	592852.024	767911.326
531	593397.110	768062.124

BASIS OF EXISTING HIGHWAY R/W

ROUTE	BASIS	YEAR
CTH M	OUTAGAMIE CO. MONUMENTATION PLAT	2009
	ADJACENT PLAT OF SURVEYS	VARIES
CTH MM	KRENKE ESTATES SUBDIVISION PLAT	1967
	WILDWOOD VILLAGE SUBDIVISION PLAT	1977
	ADJOINING CERTIFIED SURVEY MAPS	VARIES

EXISTING ACCESS CONTROL: DOC. 726382

CURVE TABLE

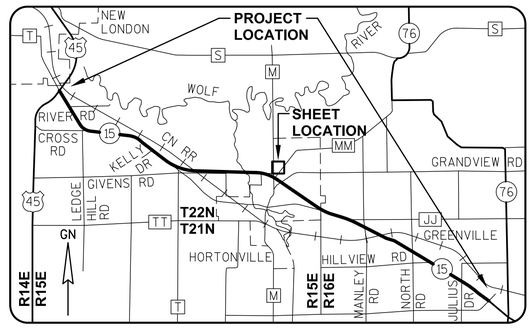
FROM POINT	TO POINT	RADIUS	ARC LENGTH	CHORD BEARING	CHORD LENGTH
9002	9003	780.00'	378.38'	N76°27'07"E	374.69'
9011	9012	895.00'	193.00'	S84°10'17"W	192.63'

COURSE TABLE

FROM POINT	TO POINT	BEARING	DISTANCE
316	9043	N00°38'58"E	1011.87'
9043	9000	S89°21'02"E	52.22'
9000	9001	S11°09'50"E	147.81'
9001	9002	S89°39'02"E	709.93'
9003	9004	N52°37'27"E	185.45'
9004	9005	N49°40'42"E	141.76'
9005	9006	N44°21'07"E	174.41'
9006	9007	S51°33'36"E	66.00'
9007	9008	S18°14'07"W	133.26'
9008	9009	S38°25'41"W	240.75'
9009	9010	S69°08'58"W	167.72'
9010	9500	S61°33'06"W	280.27'
9500	9011	N12°00'23"W	38.01'
9012	9013	N89°39'02"W	694.93'
9013	9014	S18°29'30"W	49.02'
9014	9015	S00°29'32"W	293.65'
9015	9016	S89°30'28"E	55.00'
9016	9017	S00°29'32"W	103.74'
9017	9018	S56°07'12"E	119.59'
9018	9019	S34°19'07"E	134.63'
9019	9020	S56°07'12"E	172.03'
9020	9021	N75°51'17"E	94.16'
9021	9022	S56°07'12"E	115.98'
9022	316	N89°14'15"W	648.29'

APPROVED FOR DRAFTING OF UTILITY AGREEMENTS OCTOBER 30, 2014

WISCONSIN
DAVID L. ROBERTS
S-1725
STEVENS POINT WI
LAND SURVEYOR



GREMMER & ASSOCIATES, INC.
CONSULTING ENGINEERS
Stevens Point • Fond du Lac

I, DAVID L. ROBERTS, REGISTERED LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION, I HAVE SURVEYED AND MAPPED TRANSPORTATION PROJECT PLAT 1146-75-22-4.29, AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

DATE 11/11/2014 DAVID L. ROBERTS
RLS S-1725, FOR GREMMER & ASSOCIATES, INC.

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION.

DATE 2/4/2015 CURT VAN EREM
REAL ESTATE SUPERVISOR

REVISED: 11/11/2014
040429_15.DWG

APPRAISAL PLAT DATE:

2022508

Recorded

August 18, 2014 11:54 AM

OUTAGAMIE COUNTY
SARAH R VAN CAMP
REGISTER OF DEEDS

Fee Amount: $30.00
Total Pages: 1

Document Number
AFFIDAVIT OF CORRECTION
TRANSPORTATION PROJECT PLAT

Wisconsin Department of Transportation
s.84.095(3)(b) Wis. Stats.
DT1590 8/2006

This Affidavit of Correction applies to Transportation Project Plat 1146-75-22 - 4.29, recorded in Document #2020289 in the Office of the Register of Deeds for Outagamie County.

The owner of Parcel 103 was shown on the original TPP (recorded on 07-18-2014) as Leonard K. & Linda F. Heyes. The correct current owner of Parcel 103 should instead be Edward K. Heyes and Linda F. Heyes Revocable Trust Dated June 3, 2013.

This space is reserved for recording data (1)

Return to

Wisconsin Department of Transportation
944 Vanderperren Way
Green Bay, WI 54304

Attn: Real Estate

Parcel Identification Number/Tax Key Number
240076001

I certify that I represent the entity, which prepared or submitted the original plat.
This Affidavit of Correction has been approved by the Wisconsin Department of Transportation.

(Signature)

DAVID L. ROBERTS
(Print Name)

Professional Land Surveyor
(Title)

Subscribed and sworn to before me this date.

8/12/14
(Date)

State of Wisconsin)
) ss.
Portage County)

(Signature, Notary Public, State of Wisconsin)

NICK TRZEBIATOWSKI
(Print or Type Name, Notary Public, State of Wisconsin)

10/20/15
(Date Commission Expires)

Seal(s)

Project ID 1146-75-22 This instrument was drafted by Gremmer & Associates Parcel No. 103

2022509

Recorded

August 18, 2014 11:56 AM

OUTAGAMIE COUNTY
SARAH R VAN CAMP
REGISTER OF DEEDS

Fee Amount: $30.00
Total Pages: 1

Document Number
AFFIDAVIT OF CORRECTION
TRANSPORTATION PROJECT PLAT

Wisconsin Department of Transportation
s.84.095(3)(b) Wis. Stats.
DT1590 8/2006

This Affidavit of Correction applies to Transportation Project Plat 1146-75-22 - 4.29, recorded in Document #2020289 in the Office of the Register of Deeds for Outagamie County.

The owner of Parcel 105 was shown on the original TPP (recorded on 07-18-2014) as Paul J. Merkt. The correct current owner of Parcel 105 should instead be Paul J. Merkt Living Trust dated June 12, 2014.

This space is reserved for recording data (1)

Return to

Wisconsin Department of Transportation
944 Vanderperren Way
Green Bay, WI 54304

Attn: Real Estate

Parcel Identification Number/Tax Key Number
240076300

I certify that I represent the entity, which prepared or submitted the original plat.
This Affidavit of Correction has been approved by the Wisconsin Department of Transportation.

(Signature)

DAVID L. ROBERTS
(Print Name)

Professional Land Surveyor
(Title)

Subscribed and sworn to before me this date.

7/12/14
(Date)

State of Wisconsin)
) ss.
Portage County)

(Signature, Notary Public, State of Wisconsin)

NICK TRZEBIATOWSKI
(Print or Type Name, Notary Public, State of Wisconsin)

11/26/15
(Date Commission Expires)

Seal(s)

Project ID 1146-75-22 This instrument was drafted by Gremmer & Associates Parcel No. 105

TRANSPORTATION PROJECT PLAT NO: 1146-75-22 - 4.29

PART OF LOTS 1 AND 2 OF CSM 381, AND PART OF LOT 1 OF CSM 6784, AND PART OF LOTS 7 AND 8 OF WILDWOOD VILLAGE, AND PART OF THE SW1/4-SW1/4 AND THE SE1/4-SW1/4 OF SECTION 25, T22N, R15E, ALL IN THE VILLAGE OF HORTONVILLE, OUTAGAMIE COUNTY, WISCONSIN

RELOCATION ORDER - STH 15 (LILY OF THE VALLEY DRIVE - USH 45), OUTAGAMIE COUNTY

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE NAMED PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SUBSECTION 84.02 (3), 84.09 AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:

1) THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE NAMED PROJECT.
2) THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SUBSECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

Document #: **2020289**
Date: **07-18-2014** Time: **12:34 PM** Pages: **1**
Fee: **$25.00** County: **OUTAGAMIE** State: **WI**

SARAH R VAN CAMP
REGISTER OF DEEDS
The above recording information verifies this document has been electronically recorded and returned to the submitter

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1146-75-22- 4.29
AMENDMENT NO:

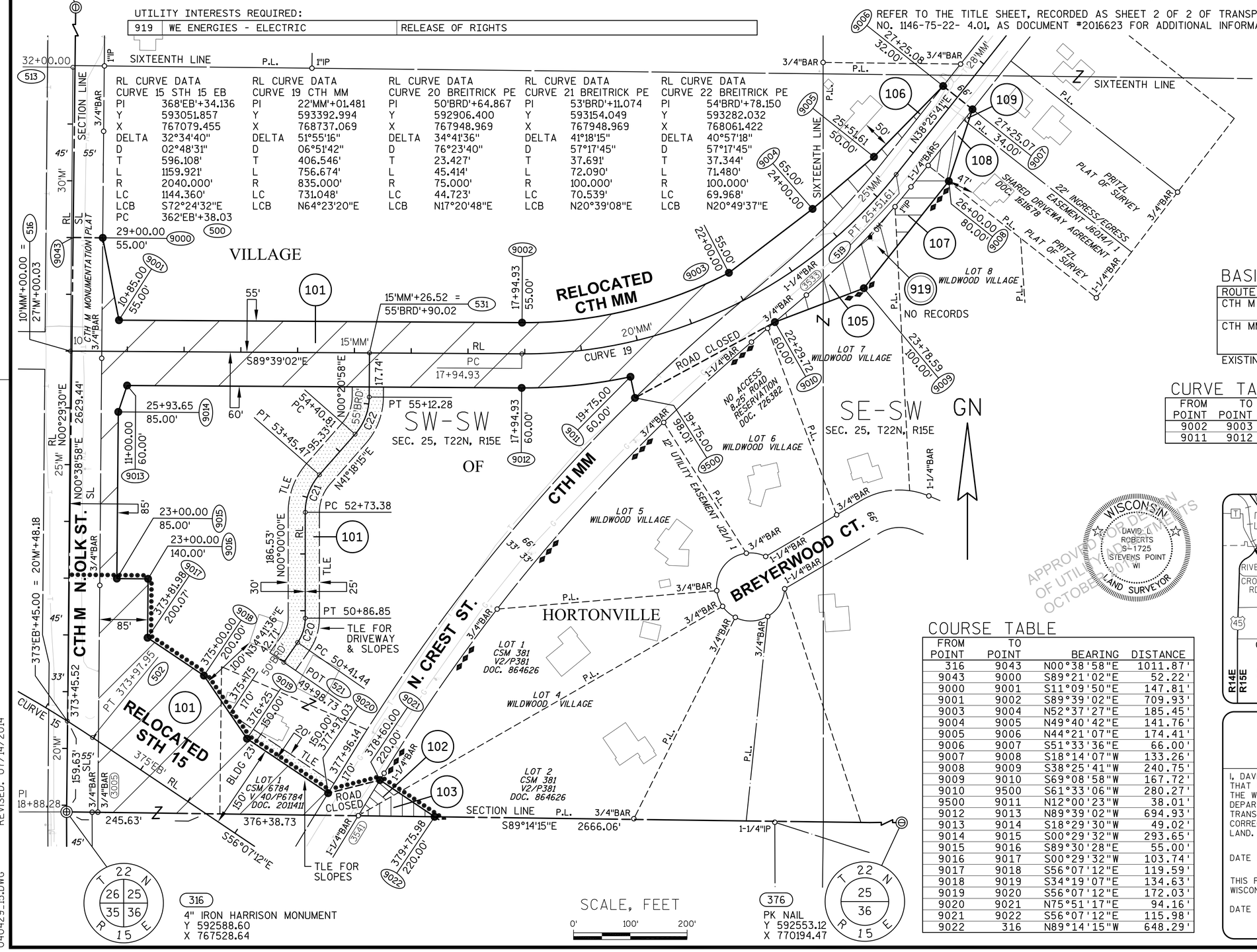
SCHEDULE OF LANDS & INTERESTS REQUIRED

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

PARCEL NUMBER	OWNER (S)	INTEREST REQUIRED	R/W ACRES REQUIRED NEW	EXISTING	TOTAL	TLE ACRES TEMP.
101	THE ESTATE OF EMELINE A. BREITRICK	FEE, TLE	5.468	0	5.468	0.759
102	LUCY A. HAYTER ETAL	FEE	0.033	0	0.033	0
103	LEONARD K. & LINDA F. HEYES REVOCABLE TRUST DATED JUNE 3, 2013	FEE	0.065	0	0.065	0
105	PAUL J. MERKT LIVING TRUST DATED JUNE 12, 2014	FEE	0.243	0	0.243	0
106	LISA K. WAGNER	FEE	0.126	0	0.126	0
107	BRUCE & DIANE ALBRECHT	FEE	0.127	0	0.127	0
108	GARY S. GASSER	FEE	0.064	0	0.064	0
109	ALAN P. & MELODY L. ROUGEUX	FEE	0.003	0	0.003	0

UTILITY INTERESTS REQUIRED:

919	WE ENERGIES - ELECTRIC	RELEASE OF RIGHTS



COORDINATE TABLE

POINT	Y (NORTH)	X (EAST)
500	593065.404	766483.502
502	592719.554	767574.348
513	593900.272	767539.895
516	593400.320	767535.611
519	593711.478	768989.751
521	592852.024	767911.326
531	593397.110	768062.124

BASIS OF EXISTING HIGHWAY R/W

ROUTE	BASIS	YEAR
CTH M	OUTAGAMIE CO. MONUMENTATION PLAT	2009
	ADJACENT PLAT OF SURVEYS	VARIES
CTH MM	KRENKE ESTATES SUBDIVISION PLAT	1967
	WILDWOOD VILLAGE SUBDIVISION PLAT	1977
	ADJOINING CERTIFIED SURVEY MAPS	VARIES

EXISTING ACCESS CONTROL: DOC. 726382

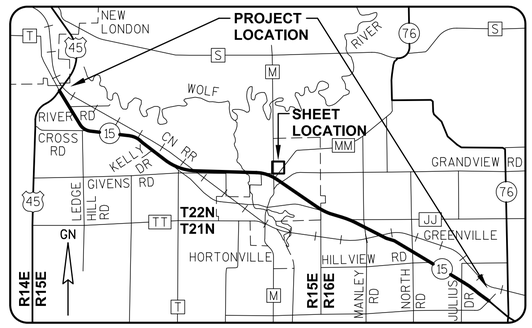
CURVE TABLE

FROM POINT	TO POINT	RADIUS	ARC LENGTH	CHORD BEARING	CHORD LENGTH
9002	9003	780.00'	378.38'	N76°27'07"E	374.69'
9011	9012	895.00'	193.00'	S84°10'17"W	192.63'

COURSE TABLE

FROM POINT	TO POINT	BEARING	DISTANCE
316	9043	N00°38'58"E	1011.87'
9043	9000	S89°21'02"E	52.22'
9000	9001	S11°09'50"E	147.81'
9001	9002	S89°39'02"E	709.93'
9003	9004	N52°37'27"E	185.45'
9004	9005	N49°40'42"E	141.76'
9005	9006	N44°21'07"E	174.41'
9006	9007	S51°33'36"E	66.00'
9007	9008	S18°14'07"W	133.26'
9008	9009	S38°25'41"W	240.75'
9009	9010	S69°08'58"W	167.72'
9010	9500	S61°33'06"W	280.27'
9500	9011	N12°00'23"W	38.01'
9012	9013	N89°39'02"W	694.93'
9013	9014	S18°29'30"W	49.02'
9014	9015	S00°29'32"W	293.65'
9015	9016	S89°30'28"E	55.00'
9016	9017	S00°29'32"W	103.74'
9017	9018	S56°07'12"E	119.59'
9018	9019	S34°19'07"E	134.63'
9019	9020	S56°07'12"E	172.03'
9020	9021	N75°51'17"E	94.16'
9021	9022	S56°07'12"E	115.98'
9022	316	N89°14'15"W	648.29'

WISCONSIN
DAVID L. ROBERTS
S-1725
STEVENS POINT WI
LAND SURVEYOR
APPROVED FOR POSTING OF UTILITY PERMITS OCTOBER 2014



GREMMER & ASSOCIATES, INC.
CONSULTING ENGINEERS
Stevens Point • Fond du Lac

I, DAVID L. ROBERTS, REGISTERED LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION, I HAVE SURVEYED AND MAPPED TRANSPORTATION PROJECT PLAT 1146-75-22-4.29, AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

DATE 7/14/2014 — DAVID L. ROBERTS
RLS S-1725, FOR GREMMER & ASSOCIATES, INC.

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION.

DATE 7/18/2014 — CURT VAN EREM
REAL ESTATE SUPERVISOR

040429_15.DWG REVISED: 07/14/2014

APPRAISAL PLAT DATE:

TRANSPORTATION PROJECT PLAT NO: 1146-75-22 - 4.30 AMENDMENT NO. 2

ADDS PARCEL 97, AND AMENDS PARCEL 111 OF TRANSPORTATION PROJECT PLAT 1146-75-22-4.30 RECORDED AS DOCUMENT NO. 2019923. PART OF LOT 1 AND OUTLOT 1 OF CSM 7307, AND PART OF THE NW1/4-NW1/4 AND THE NE1/4-NW1/4 OF SECTION 36, T22N, R15E, IN THE VILLAGE OF HORTONVILLE, OUTAGAMIE COUNTY, WISCONSIN

RELOCATION ORDER - STH 15 (LILY OF THE VALLEY DRIVE - USH 45), OUTAGAMIE COUNTY

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE NAMED PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SUBSECTION 84.02 (3), 84.09 AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:
1) THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE NAMED PROJECT.
2) THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SUBSECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

Document #: **2099326**
Date: **03-16-2017** Time: **12:33 PM**
Pages: **1** Fee: **$25.00**
County: **OUTAGAMIE COUNTY** State: **WI**

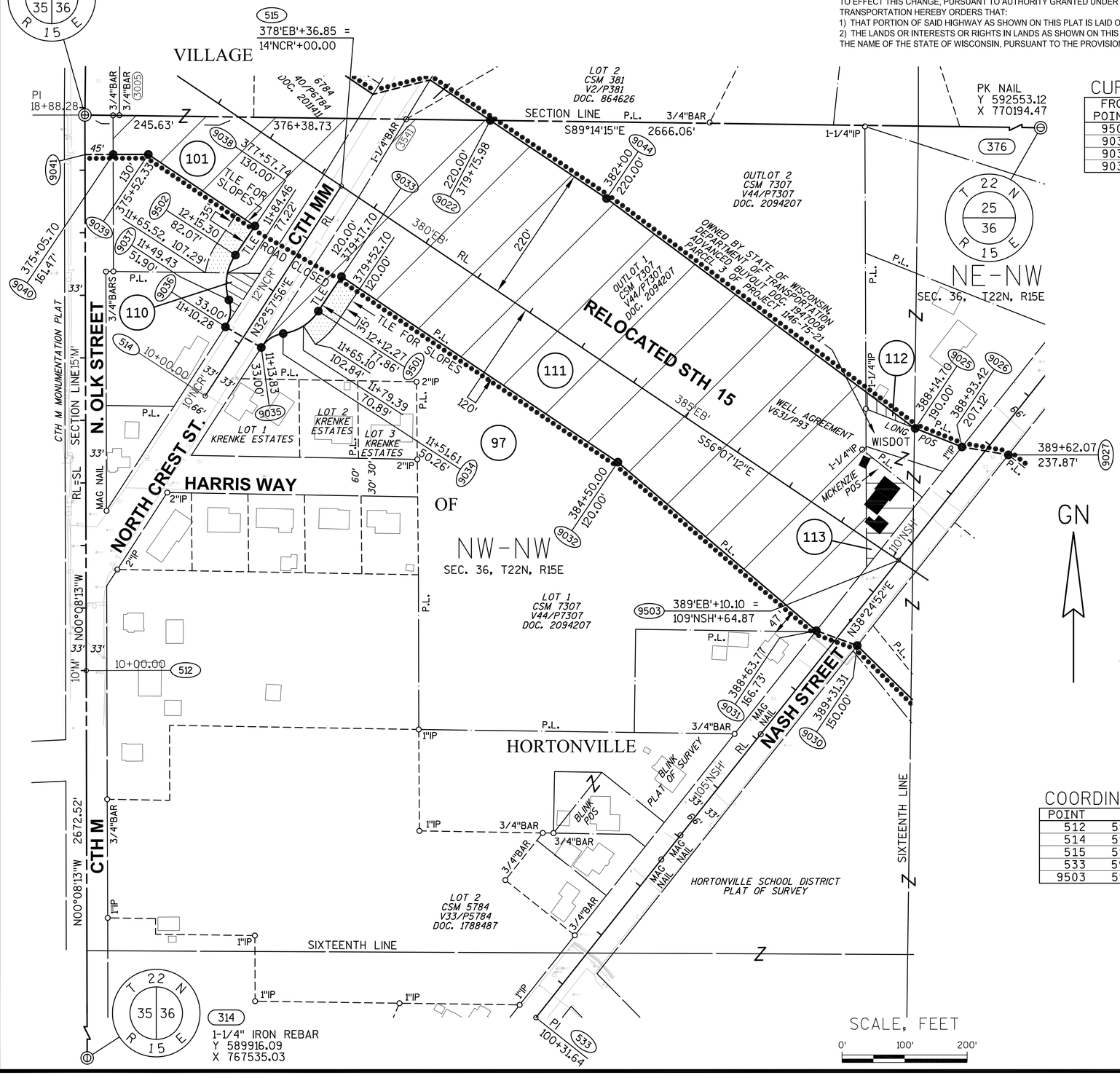
SARAH R VAN CAMP, REGISTER OF DEEDS
This document has been electronically recorded and returned to:
WiDotNeRegionGreenbay

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1146-75-22- 4.30
AMENDMENT NO: 2

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.

PARCEL NUMBER	OWNER (S)	INTEREST REQUIRED	R/W ACRES REQUIRED NEW	EXISTING	TOTAL	TLE ACRES TEMP.
97	CARE PROPERTIES, LLC	TLE	0	0	0	0.086
101	THE ESTATE OF EMELINE A. BREITRICK	FEE, TLE	1.087	0	1.087	0.078
110	KEITH A. FINK	FEE	0.047	0	0.047	0
111	WAYNE I. BREITRICK	FEE	7.463	0	7.463	0
112	LARRY L. & JUDITH KLITZKE	FEE	0.025	0	0.025	0
113	RONALD & GERALDINE HOIER	FEE	0.260	0	0.260	0



CURVE TABLE

FROM POINT	TO POINT	RADIUS	ARC LENGTH	CHORD BEARING	CHORD LENGTH
9501	9034	80.00'	68.74'	S57°26'23"W	66.64'
9034	9035	50.00'	42.84'	S57°30'36"W	41.54'
9036	9037	50.00'	44.97'	N07°11'53"E	43.47'
9037	9502	80.00'	75.18'	N08°21'15"E	72.45'

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2 OF TRANSPORTATION PROJECT PLAT NO. 1146-75-22- 4.01, AS DOCUMENT *2016623 FOR ADDITIONAL INFORMATION.

COURSE TABLE

FROM POINT	TO POINT	BEARING	DISTANCE
316	9022	S89°14'15"E	648.29'
9022	9044	S56°07'12"E	224.02'
9044	9025	S53°19'34"E	615.43'
9025	9026	S68°23'09"E	80.58'
9026	9027	S80°14'59"E	75.22'
9027	9030	S38°24'52"W	389.08'
9030	9031	N70°02'08"W	69.58'
9031	9032	N49°40'35"W	416.41'
9032	9033	N56°07'12"W	532.30'
9033	9501	S33°52'48"W	66.46'
9035	9036	N60°06'28"W	66.10'
9502	9038	N33°52'48"E	55.99'
9038	9039	N56°07'12"W	205.40'
9039	9040	S89°51'47"W	56.26'
9040	9041	S89°51'47"W	45.00'
9041	316	N00°08'13"W	63.28'

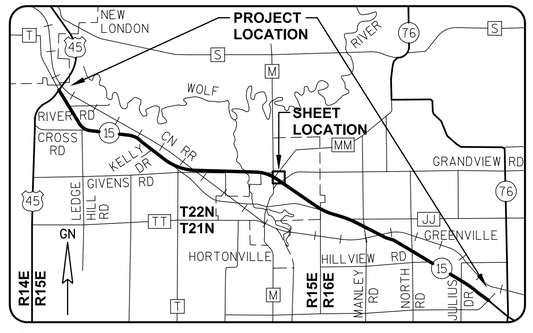
BASIS OF EXISTING HIGHWAY R/W

ROUTE	BASIS	YEAR
NASH ST.	ADJOINING CERTIFIED SURVEY MAPS	VARIES
	ADJOINING PLAT OF SURVEYS	VARIES
	WILDWOOD VILLAGE SUBDIVISION PLAT	1977
CTH MM	KRENKE ESTATES SUBDIVISION PLAT	1967

COORDINATE TABLE

POINT	Y (NORTH)	X (EAST)
512	591700.326	767530.763
514	592139.292	767721.074
515	592474.889	767938.725
533	591145.381	768249.892
9503	591876.599	768829.749

APPROVED FOR DESIGN OF UTILITY ADJUSTMENTS OCTOBER 2019



GREMMER & ASSOCIATES, INC.
CONSULTING ENGINEERS
Stevens Point • Fond du Lac

I, DAVID L. ROBERTS, REGISTERED LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION, I HAVE SURVEYED AND MAPPED TRANSPORTATION PROJECT PLAT 1146-75-22-4.30, AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

DATE 3/14/2017 DAVID L. ROBERTS
RLS S-1725, FOR GREMMER & ASSOCIATES, INC.

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION.

DATE 3/14/2017 CURT VAN EREM
REAL ESTATE SUPERVISOR

WISCONSIN
DAVID L. ROBERTS
S-1725
STEVENS POINT
WI
LAND SURVEYOR

040430_15.DWG REVISED: 03/14/2017

APPRAISAL PLAT DATE:

TRANSPORTATION PROJECT PLAT NO: 1146-75-22 - 4.30 AMENDMENT NO. 1

AMENDS PARCEL 113 OF TRANSPORTATION PROJECT PLAT 1146-75-22-4.30 RECORDED AS DOCUMENT NO. 2019923. PART OF THE NW1/4-NW1/4 AND THE NE1/4-NW1/4 OF SECTION 36, T22N, R15E, IN THE VILLAGE OF HORTONVILLE, OUTAGAMIE COUNTY, WISCONSIN

RELOCATION ORDER - STH 15 (LILY OF THE VALLEY DRIVE - USH 45), OUTAGAMIE COUNTY

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE NAMED PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SUBSECTION 84.02 (3), 84.09 AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:
1) THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE NAMED PROJECT.
2) THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SUBSECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

Document #: **2037649**
Date: **03-10-2015** Time: **10:40 AM**
Pages: **1** Fee: **$25.00**
County: **OUTAGAMIE COUNTY** State: **WI**

SARAH R VAN CAMP , REGISTER OF DEEDS
The above recording information verifies this document has been electronically recorded and returned to the submitter

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1146-75-22- 4.30
AMENDMENT NO: 1

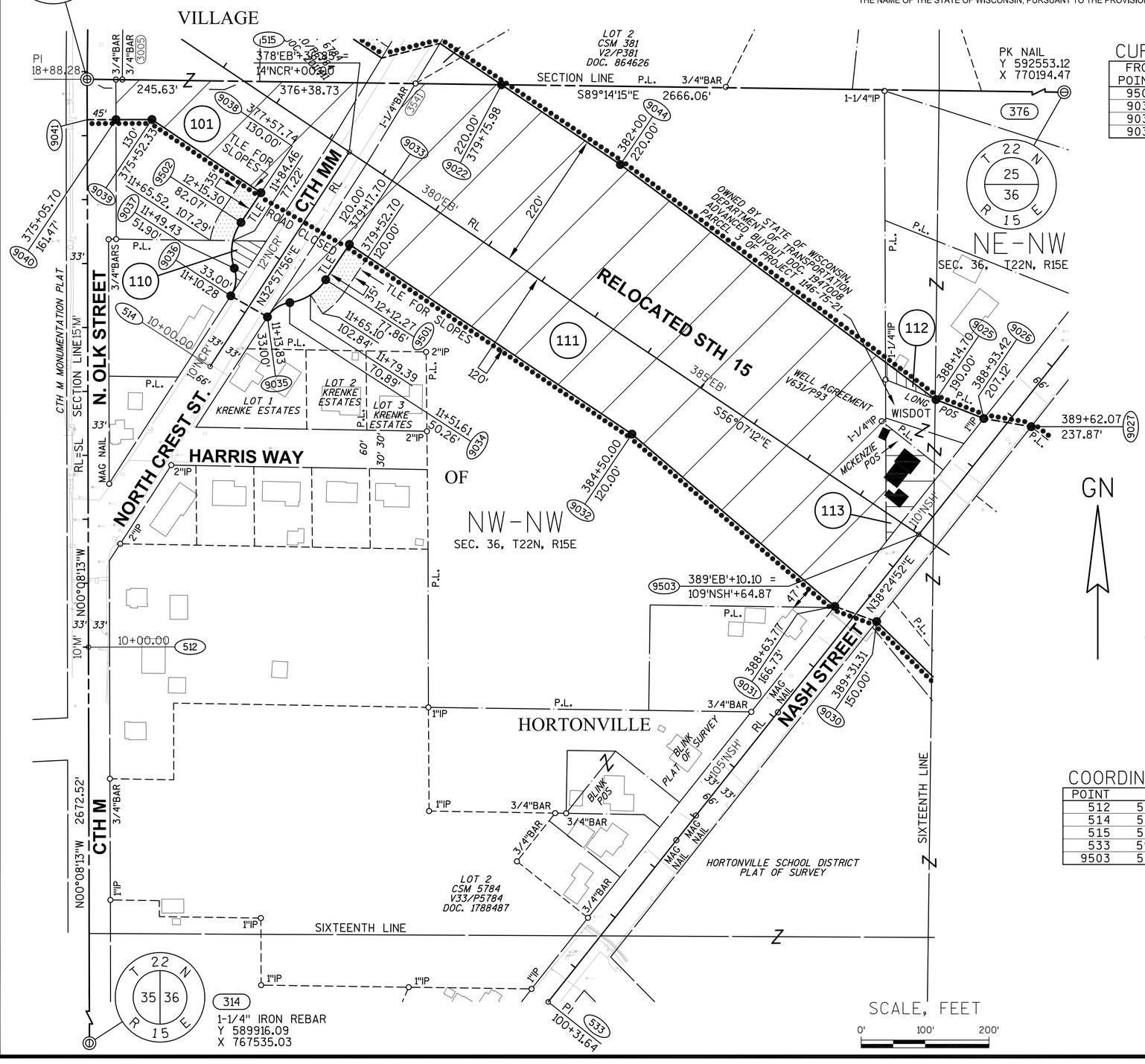
SCHEDULE OF LANDS & INTERESTS REQUIRED

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

PARCEL NUMBER	OWNER (S)	INTEREST REQUIRED	R/W ACRES REQUIRED NEW	EXISTING	TOTAL	TLE ACRES TEMP.
101	THE ESTATE OF EMELINE A. BREITRICK	FEE, TLE	1.087	0	1.087	0.078
110	KEITH A. FINK	FEE	0.047	0	0.047	0
111	THE ESTATE OF EMELINE A. BREITRICK	FEE, TLE	7.442	0	7.442	0.086
112	LARRY L. & JUDITH KLITZKE	FEE	0.025	0	0.025	0
113	RONALD & GERALDINE HOIER	FEE	0.260	0	0.260	0

316
4" IRON HARRISON MONUMENT
Y 592588.60
X 767528.64

T 22 N R 15 E
26 25 35 36



CURVE TABLE

FROM POINT	TO POINT	RADIUS	ARC LENGTH	CHORD BEARING	CHORD LENGTH
9501	9034	80.00'	68.74'	S57°26'23"W	66.64'
9034	9035	50.00'	42.84'	S57°30'36"W	41.54'
9036	9037	50.00'	44.97'	N07°11'53"E	43.47'
9037	9502	80.00'	75.18'	N08°21'15"E	72.45'

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2 OF TRANSPORTATION PROJECT PLAT NO. 1146-75-22- 4.01, AS DOCUMENT *2016623 FOR ADDITIONAL INFORMATION.

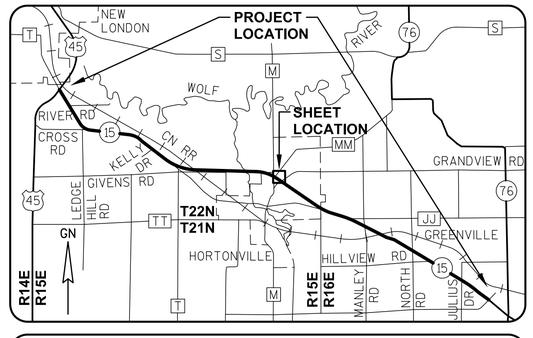
COURSE TABLE

FROM POINT	TO POINT	BEARING	DISTANCE
316	9022	S89°14'15"E	648.29'
9022	9044	S56°07'12"E	224.02'
9044	9025	S53°19'34"E	615.43'
9025	9026	S68°23'09"E	80.58'
9026	9027	S80°14'59"E	75.22'
9027	9030	S38°24'52"W	389.08'
9030	9031	N70°02'08"W	69.58'
9031	9032	N49°40'35"W	416.41'
9032	9033	N56°07'12"W	532.30'
9033	9501	S33°52'48"W	66.46'
9035	9036	N60°06'28"W	66.10'
9502	9038	N33°52'48"E	55.99'
9038	9039	N56°07'12"W	205.40'
9039	9040	S89°51'47"W	56.26'
9040	9041	S89°51'47"W	45.00'
9041	316	N00°08'13"W	63.28'

BASIS OF EXISTING HIGHWAY R/W

ROUTE	BASIS	YEAR
NASH ST.	ADJOINING CERTIFIED SURVEY MAPS	VARIES
	ADJOINING PLAT OF SURVEYS	VARIES
	WILDWOOD VILLAGE SUBDIVISION PLAT	1977
CTH MM	KRENKE ESTATES SUBDIVISION PLAT	1967

APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS
OCTOBER 2019



COORDINATE TABLE

POINT	Y (NORTH)	X (EAST)
512	591700.326	767530.763
514	592139.292	767721.074
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533	591145.381	768249.892
9503	591876.599	768829.749

GREMMER & ASSOCIATES, INC.
CONSULTING ENGINEERS
Stevens Point • Fond du Lac

I, DAVID L. ROBERTS, REGISTERED LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION, I HAVE SURVEYED AND MAPPED TRANSPORTATION PROJECT PLAT 1146-75-22-4.30, AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

DATE 3/05/2015
DAVID L. ROBERTS
RLS S-1725, FOR GREMMER & ASSOCIATES, INC.

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION.

DATE 3/05/2015
CURT VAN EREM
REAL ESTATE SUPERVISOR

WISCONSIN
DAVID L. ROBERTS S-1725 STEVENS POINT WI
LAND SURVEYOR

040430_15.DWG REVISED: 03/05/2015

APPRAISAL PLAT DATE:

TRANSPORTATION PROJECT PLAT NO: 1146-75-22 - 4.30

PART OF THE NW1/4-NW1/4 AND THE NE1/4-NW1/4 OF SECTION 36, T22N, R15E, IN THE VILLAGE OF HORTONVILLE, OUTAGAMIE COUNTY, WISCONSIN

RELOCATION ORDER - STH 15 (LILY OF THE VALLEY DRIVE - USH 45), OUTAGAMIE COUNTY

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE NAMED PROJECT.

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REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2 OF TRANSPORTATION PROJECT PLAT NO. 1146-75-22- 4.01, AS DOCUMENT #2016623 FOR ADDITIONAL INFORMATION.

Document #: **2019923**
Date: **07-15-2014** Time: **08:28 AM** Pages: **1**
Fee: **$25.00** County: **OUTAGAMIE** State: **WI**

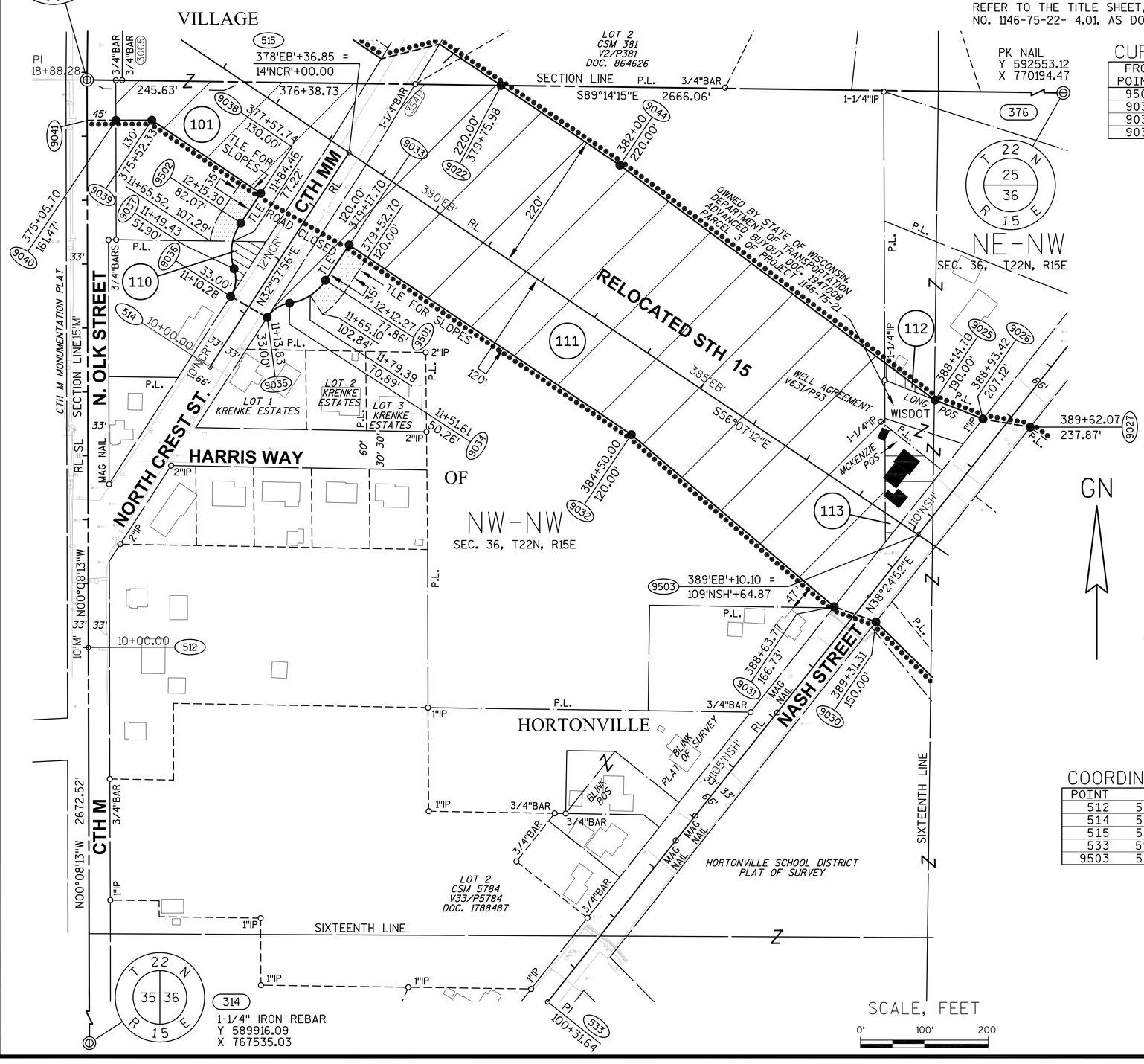
SARAH R VAN CAMP
REGISTER OF DEEDS
The above recording information verifies this document has been electronically recorded and returned to the submitter

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1146-75-22- 4.30
AMENDMENT NO:

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.

PARCEL NUMBER	OWNER (S)	INTEREST REQUIRED	R/W ACRES REQUIRED NEW	EXISTING	TOTAL	TLE ACRES TEMP.
101	THE ESTATE OF EMELINE A. BREITRICK	FEE, TLE	1.087	0	1.087	0.078
110	KEITH A. FINK	FEE	0.047	0	0.047	0
111	THE ESTATE OF EMELINE A. BREITRICK	FEE, TLE	7.442	0	7.442	0.086
112	LARRY L. & JUDITH KLITZKE	FEE	0.025	0	0.025	0
113	RONALD & GERALDINE HOIER	FEE	~~0.188~~	0	~~0.188~~	0



CURVE TABLE

FROM POINT	TO POINT	RADIUS	ARC LENGTH	CHORD BEARING	CHORD LENGTH
9501	9034	80.00'	68.74'	S57°26'23"W	66.64'
9034	9035	50.00'	42.84'	S57°30'36"W	41.54'
9036	9037	50.00'	44.97'	N07°11'53"E	43.47'
9037	9502	80.00'	75.18'	N08°21'15"E	72.45'

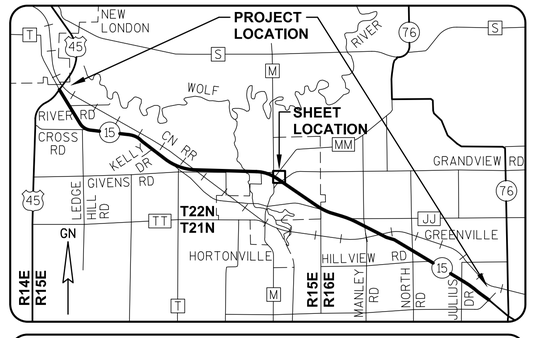
COURSE TABLE

FROM POINT	TO POINT	BEARING	DISTANCE
316	9022	S89°14'15"E	648.29'
9022	9044	S56°07'12"E	224.02'
9044	9025	S53°19'34"E	615.43'
9025	9026	S68°23'09"E	80.58'
9026	9027	S80°14'59"E	75.22'
9027	9030	S38°24'52"W	389.08'
9030	9031	N70°02'08"W	69.58'
9031	9032	N49°40'35"W	416.41'
9032	9033	N56°07'12"W	532.30'
9033	9501	S33°52'48"W	66.46'
9035	9036	N60°06'28"W	66.10'
9502	9038	N33°52'48"E	55.99'
9038	9039	N56°07'12"W	205.40'
9039	9040	S89°51'47"W	56.26'
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BASIS OF EXISTING HIGHWAY R/W

ROUTE	BASIS	YEAR
NASH ST.	ADJOINING CERTIFIED SURVEY MAPS	VARIES
	ADJOINING PLAT OF SURVEYS	VARIES
	WILDWOOD VILLAGE SUBDIVISION PLAT	1977
CTH MM	KRENKE ESTATES SUBDIVISION PLAT	1967

APPROVED FOR DESIGN OF UTILITY ADJUSTMENTS OCTOBER 2019



COORDINATE TABLE

POINT	Y (NORTH)	X (EAST)
512	591700.326	767530.763
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9503	591876.599	768829.749

GREMMER & ASSOCIATES, INC.
CONSULTING ENGINEERS
Stevens Point • Fond du Lac

I, DAVID L. ROBERTS, REGISTERED LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION, I HAVE SURVEYED AND MAPPED TRANSPORTATION PROJECT PLAT 1146-75-22-4.30, AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

DATE 7/08/2014 DAVID L. ROBERTS
RLS S-1725, FOR GREMMER & ASSOCIATES, INC.

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION.

DATE 7/09/2014 CURT VAN EREM
REAL ESTATE SUPERVISOR

WISCONSIN DAVID L. ROBERTS S-1725 STEVENS POINT WI LAND SURVEYOR

040430_15.DWG REVISED: 07/08/2014

APPRAISAL PLAT DATE:

TRANSPORTATION PROJECT PLAT NO: 1146-75-22 - 4.31

PART OF THE NE1/4-NW1/4 AND THE NW1/4-NW1/4 OF SECTION 36, T22N, R15E, IN THE VILLAGE OF HORTONVILLE, OUTAGAMIE COUNTY, WISCONSIN

RELOCATION ORDER - STH 15 (LILY OF THE VALLEY DRIVE - USH 45), OUTAGAMIE COUNTY

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE NAMED PROJECT.

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REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2 OF TRANSPORTATION PROJECT PLAT NO. 1146-75-22- 4.01, AS DOCUMENT #2016623 FOR ADDITIONAL INFORMATION.

Document #: **2019924**
Date: **07-15-2014** Time: **08:28 AM** Pages: **1**
Fee: **$25.00** County: **OUTAGAMIE** State: **WI**

SARAH R VAN CAMP
REGISTER OF DEEDS
The above recording information verifies this document has been electronically recorded and returned to the submitter

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1146-75-22- 4.31
AMENDMENT NO:

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.

PARCEL NUMBER	OWNER (S)	INTEREST REQUIRED	R/W ACRES REQUIRED NEW	EXISTING	TOTAL	PLE ACRES PERM.	TLE ACRES TEMP.
114	THE SCHOOL DISTRICT OF HORTONVILLE	FEE, PLE, TLE	0.164	0	0.164	0.027	0.069

UTILITY INTERESTS REQUIRED:

919	WE ENERGIES - ELECTRIC	RELEASE OF RIGHTS (JOINT)
922	AT&T WISCONSIN	RELEASE OF RIGHTS (JOINT)

316
4" IRON HARRISON MONUMENT
Y 592588.60
X 767528.64

T 22 N R 15 E
26 25 35 36

1-1/4"IP
SECTION LINE
S89°14'15"E 2666.06'
CREST VIEW DRIVE
1-1/4"BAR
PARKVIEW LANE
33' 33' 66'
GRANDVIEW ROAD
3/4"BAR
3/4"BAR
3/4"BAR
DOUGHTY PLAT OF SURVEY
LOT 3 CSM 4385 V24/P4385 DOC. 1480743
LOT 1 CSM 5448 V31/P5448 DOC. 1724392
P.L.
NE-NW
SEC. 36, T22N, R15E
115'NSH' RL
NASH STREET
116'+/-42.44' POT
534
VILLAGE
S60°40'08"W 1185.34'
376
PK NAIL
Y 592553.12
X 770194.47
T 22 N R 15 E
25 36
QUARTER LINE
N01°37'57"E 2626.96'
GN
BASIS OF EXISTING HIGHWAY R/W

ROUTE	BASIS	YEAR
NASH ST.	ADJOINING CERTIFIED SURVEY MAPS	VARIES
	ADJOINING PLAT OF SURVEYS	VARIES
	WILDWOOD VILLAGE SUBDIVISION PLAT	1977

COURSE TABLE

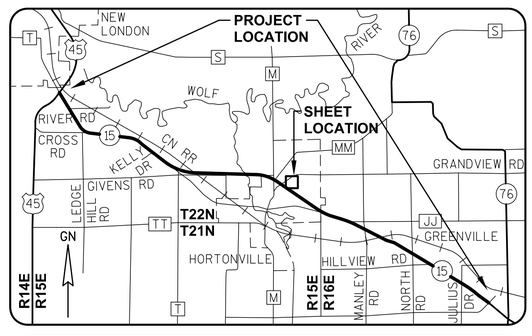
FROM POINT	TO POINT	BEARING	DISTANCE
376	9045	S60°40'08"W	1185.34'
9045	9047	S51°51'57"E	1071.26'
9047	9048	S65°13'06"E	168.90'
9048	9049	N89°44'04"W	751.43'
9049	9029	N57°21'23"W	463.17'
9029	9030	N45°35'21"W	352.60'
9030	9027	N38°24'52"E	389.08'
9027	9046	S51°38'12"E	167.09'
9046	9045	N38°20'42"E	39.62'
376	8901	S41°20'58"W	1545.94'
8901	8902	S33°52'48"W	29.59'
8902	8903	N56°07'12"W	40.00'
8903	8900	N33°52'48"E	28.73'
8900	8901	S57°21'23"E	40.01'

COORDINATE TABLE

POINT	Y (NORTH)	X (EAST)
534	592407.500	769250.755
9503	591876.599	768829.749
9504	591241.945	769774.929

389+62.07
237.87'
9027
1-1/4"IP
LONG POS WISDOT 1"IP
P.L.
N38°24'52"E
WISDOT
HONSH
LOT 2 CSM 4385 V24/P4385 DOC. 1480743
3/4"BAR
391+31.73
264.30'
9045
391+28.65
224.80'
9046
OF
NE-NW
SEC. 36, T22N, R15E
S41°20'58"W 1545.94'
LOT 3 CSM 4385 V24/P4385 DOC. 1480743
3/4"BAR
3/4"BAR
P.L.
S01°37'57"W 1313.48'
389'EB'+10.10 = 109'NSH'+64.87
390'EB'
LOT 1 CSM 4385 V24/P4385 DOC. 1480743
OWNED BY STATE OF WISCONSIN, DEPARTMENT OF TRANSPORTATION ADVANCED BUYOUT DOC. 1993616 PARCEL 13 OF PROJECT 1146-75-21
9503
3/4"BAR
389+34.53
109.39'
9028
WISDOT
HORTONVILLE
389+31.31
150.00'
9030
114
LOT 3 CSM 4385 V24/P4385 DOC. 1480743
RL
RELOCATED STH 15
395'EB'
CL 12' UTILITY EASEMENT DOC. 1315641
3/4"BAR
TLE FOR DRAINAGE & SLOPES
PLE FOR DRAINAGE
DOC. 1315641
OWNED BY STATE OF WISCONSIN, DEPARTMENT OF TRANSPORTATION ADVANCED BUYOUT DOC. 2002835
S56°07'12"E
WISDOT
NW-NW
SEC. 36, T22N, R15E
SIXTEENTH LINE
392+77.97
214.44'
9029
394+25
211.27'
394+25
240.00'
8900
8903
394+65
240'
TLE
PLE
919
922
402+00.04
184.83'
9047
3/4"BAR
P.L.
211.54'
403+66.81
9048
400'EB'
SIXTEENTH LINE
400+48.59
N89°44'04"W 382.12'
9504
394+25
315'
394+65
315'
8902
394+65
210.41'
8901
12' UTILITY EASEMENT DOC. 1315641
397+41.03
204.45'
9049

SCALE, FEET
0' 100' 200'



GREMMER & ASSOCIATES, INC.
CONSULTING ENGINEERS
Stevens Point • Fond du Lac

I, DAVID L. ROBERTS, REGISTERED LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION, I HAVE SURVEYED AND MAPPED TRANSPORTATION PROJECT PLAT 1146-75-22-4.31, AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

DATE 7/08/2014 DAVID L. ROBERTS
RLS S-1725, FOR GREMMER & ASSOCIATES, INC.

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION.

DATE 7/09/2014 CURT VAN EREM
REAL ESTATE SUPERVISOR

WISCONSIN
DAVID L. ROBERTS
S-1725
STEVENS POINT
WI
LAND SURVEYOR

ARE SUBJECT TO ADJUSTMENTS
OF UTILITY INTERESTS
OCTOBER 2019

REVISED: 07/08/2014
040431_15.DWG

APPRAISAL PLAT DATE:

TRANSPORTATION PROJECT PLAT NO: 1146-75-22 - 4.32

PART OF THE SE1/4-NW1/4 OF SECTION 36, T22N, R15E, IN THE VILLAGE OF HORTONVILLE, OUTAGAMIE COUNTY, WISCONSIN

STH 15 (LILY OF THE VALLEY DRIVE - USH 45), OUTAGAMIE COUNTY

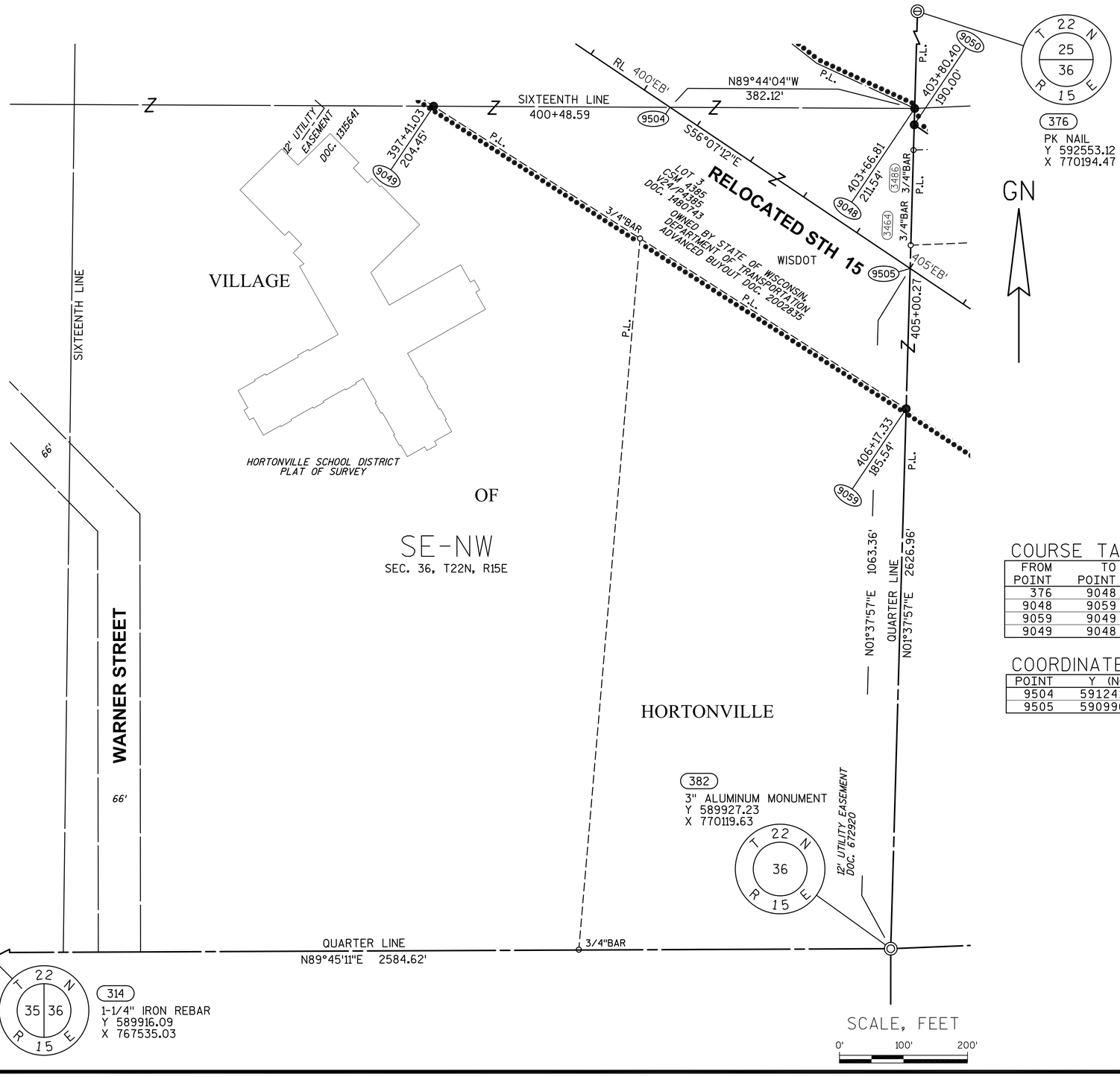
THE STATE OF WISCONSIN HAS DEEMED IT NECESSARY TO MONUMENT RIGHT-OF-WAY INTERESTS PREVIOUSLY ACQUIRED UNDER SECTIONS 82.01, 82.31(1), 82.31(2), AND 84.09 OF THE WISCONSIN STATE STATUTES AND DOES HEREBY CERTIFY THE DEPARTMENT OF TRANSPORTATION HAS SURVEYED THE HIGHWAY RIGHT-OF-WAY; THAT THIS PLAT IS A TRUE AND CORRECT REPRESENTATION OF THE EXTERIOR BOUNDARIES OF THE LAND SURVEYED AND SHOWS ACCURATE MEASUREMENTS THEREOF.

Document #: **2019925**
Date: **07-15-2014** Time: **08:30 AM** Pages: **1**
Fee: **$25.00** County: **OUTAGAMIE** State: **WI**

SARAH R VAN CAMP
REGISTER OF DEEDS
The above recording information verifies this document has been electronically recorded and returned to the submitter

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1146-75-22- 4.32
AMENDMENT NO:

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2 OF TRANSPORTATION PROJECT PLAT NO. 1146-75-22- 4.01, AS DOCUMENT #2016623 FOR ADDITIONAL INFORMATION.



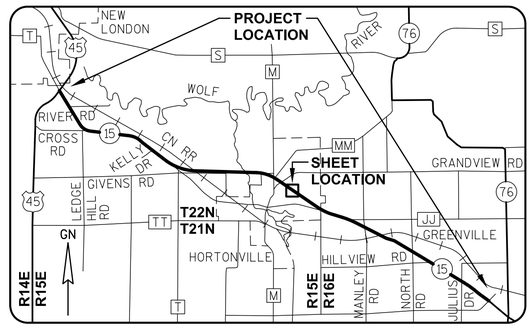
COURSE TABLE

FROM POINT	TO POINT	BEARING	DISTANCE
376	9048	S01°37'57"W	1313.48'
9048	9059	S01°37'57"W	469.50'
9059	9049	N57°21'23"W	876.50'
9049	9048	S89°44'04"E	751.43'

COORDINATE TABLE

POINT	Y (NORTH)	X (EAST)
9504	591241.945	769774.929
9505	590990.152	770149.921

APPROVED UTILITY ACCOMMODATION DESIGN
OCTOBER 2019



GREMMER & ASSOCIATES, INC.
CONSULTING ENGINEERS
Stevens Point • Fond du Lac

I, DAVID L. ROBERTS, REGISTERED LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION, I HAVE SURVEYED AND MAPPED TRANSPORTATION PROJECT PLAT 1146-75-22-4.32, AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

DATE 7/08/2014 — DAVID L. ROBERTS RLS S-1725, FOR GREMMER & ASSOCIATES, INC.

THIS PLAT IS APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION.

DATE 7/09/2014 — CURT VAN EREM
REAL ESTATE SUPERVISOR

WISCONSIN
DAVID L. ROBERTS
S-1725
STEVENS POINT
WI
LAND SURVEYOR

REVISED: 07/08/2014

040432_15.DWG

APPRAISAL PLAT DATE:

TRANSPORTATION PROJECT PLAT NO: 1146-75-22 - 4.33

PART OF LOT 2 AND OUTLOT 1 OF CSM 4387, AND PART OF THE SW1/4-NE1/4 AND THE NW1/4-SE1/4 OF SECTION 36, T22N, R15E, ALL IN THE VILLAGE OF HORTONVILLE, OUTAGAMIE COUNTY, WISCONSIN

RELOCATION ORDER - STH 15 (LILY OF THE VALLEY DRIVE - USH 45), OUTAGAMIE COUNTY

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE NAMED PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SUBSECTION 84.02 (3), 84.09 AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:
1) THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE NAMED PROJECT.
2) THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SUBSECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2 OF TRANSPORTATION PROJECT PLAT NO. 1146-75-22- 4.01, AS DOCUMENT #2016623 FOR ADDITIONAL INFORMATION.

Document #: **2019926**
Date: **07-15-2014** Time: **08:31 AM** Pages: **1**
Fee: **$25.00** County: **OUTAGAMIE** State: **WI**

SARAH R VAN CAMP
REGISTER OF DEEDS
The above recording information verifies this document has been electronically recorded and returned to the submitter

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1146-75-22- 4.33
AMENDMENT NO:

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.

PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	R/W ACRES REQUIRED NEW	EXISTING	TOTAL	TLE ACRES TEMP.
116	DARIN & MICHELLE DODD	FEE	0.026	0	0.026	0
117	MARY LOU MURPHY	FEE	0.555	0	0.555	0
118	MARY LOU MURPHY	FEE	1.388	0	1.388	0

376
PK NAIL
Y 592553.12
X 770194.47

T 22 N
25 / 36
R 15 E

SIXTEENTH LINE

LOT 2 CSM 4387 V24/P4387 DOC. 1480916

OUTLOT 1 CSM 4387 V24/P4387 DOC. 1480916

33' DRIVEWAY EASEMENT DOC. 1488140'

JENNER-JOHN PLAT OF SURVEY

GN

9050 — 403+80.40 — 190.00' — P.L.

9051 — 406+98.12 — 190.00'

3461 — 414+25.05 — 723.64'

3/4"BAR (3486)

116

117

90'

P.L.

3/4"BAR

405'EB'

190'

9505

404+80.88 — 30.74' — 9052

405+00.27

VILLAGE

WISDOT

S56°07'12"E 410'EB'

406+17.33 — 185.54' — 9059

420+21.75

9057 — 416+85.35 — 330.00'

9058 — 418+10.03 — 330.00'

QUARTER LINE
N01°37'57"E 2626.96'
N01°37'57"E 1063.36'

SW-NE
SEC. 36, T22N, R15E

RELOCATED STH 15

RL 415'EB'

330'

OF

LOT 3 CSM 4385 V24/P4385 DOC. 1480743

OWNED BY STATE OF WISCONSIN, DEPARTMENT OF TRANSPORTATION ADVANCED BUYOUT DOC. 2002835

118

SIXTEENTH LINE

382
3" ALUMINUM MONUMENT
Y 589927.23
X 770119.63

T 22 N
36
R 15 E
410+67.65
899.33' RT

12' UTILITY EASEMENT DOC. 672920

WISDOT

HORTONVILLE

420'EB'

9506 — 421+09.23 — 136.36' — 9053

378
5" IRON PIPE
Y 590032.82
X 772699.73

T22N R15E | T22N R16E
36 | 31

N87°39'24"E 2582.26'
QUARTER LINE
3/4"BAR

420+30.54 — 194.01' — 9056
420+70.14 — 165.00' — 9055
421+28.50 — 165.00' — 9054

NW-SE
SEC. 36, T22N, R15E

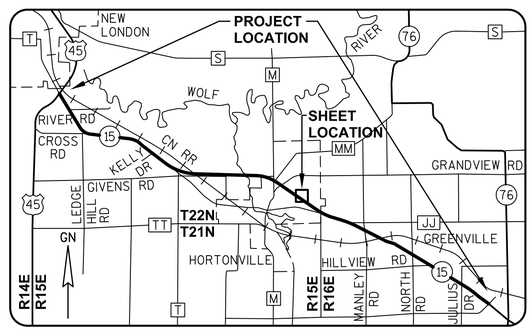
SCALE, FEET
0' 100' 200'

COURSE TABLE

FROM POINT	TO POINT	BEARING	DISTANCE
376	9050	S01°37'57"W	1338.95'
9050	9051	S56°07'12"E	317.72'
9051	3461	N87°38'06"E	902.57'
3461	9057	S00°30'19"W	471.37'
9057	9058	S56°07'12"E	124.67'
9058	9053	S01°11'48"W	554.09'
9053	9054	S00°03'19"E	34.52'
9054	9055	N56°07'12"W	58.37'
9055	382	S87°39'24"W	1242.67'
382	9050	N01°37'57"E	1288.01'

COORDINATE TABLE

POINT	Y (NORTH)	X (EAST)
9505	590990.152	770149.921
9506	590142.000	771413.060



GREMMER & ASSOCIATES, INC.
CONSULTING ENGINEERS
Stevens Point • Fond du Lac

I, DAVID L. ROBERTS, REGISTERED LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION, I HAVE SURVEYED AND MAPPED TRANSPORTATION PROJECT PLAT 1146-75-22-4.33, AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

DATE 7/08/2014 — DAVID L. ROBERTS
RLS S-1725, FOR GREMMER & ASSOCIATES, INC.

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION.

DATE 7/09/2014 — CURT VAN EREM
REAL ESTATE SUPERVISOR

WISCONSIN
DAVID L. ROBERTS
S-1725
STEVENS POINT WI
LAND SURVEYOR

040433_15.DWG REVISED: 07/08/2014

APPRAISAL PLAT DATE:

PRE_98

TRANSPORTATION PROJECT PLAT NO: 1146-75-22 - 4.34 AMENDMENT NO: 1

AMENDS PARCEL 119 OF TRANSPORTATION PROJECT PLAT 1146-75-22-4.34, RECORDED AS DOCUMENT #2019927. PART OF THE SE1/4-NE1/4 AND THE NE1/4-SE1/4 OF SECTION 36, T22N, R15E, ALL IN THE VILLAGE OF HORTONVILLE, OUTAGAMIE COUNTY, WISCONSIN

RELOCATION ORDER - STH 15 (LILY OF THE VALLEY DRIVE - USH 45), OUTAGAMIE COUNTY

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE NAMED PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SUBSECTION 84.02 (3), 84.09 AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:
1) THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE NAMED PROJECT.
2) THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SUBSECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

Document #: **2035595**
Date: **02-06-2015** Time: **09:16 AM**
Pages: **1** Fee: **$25.00**
County: **OUTAGAMIE COUNTY** State: **WI**

SARAH R VAN CAMP , REGISTER OF DEEDS
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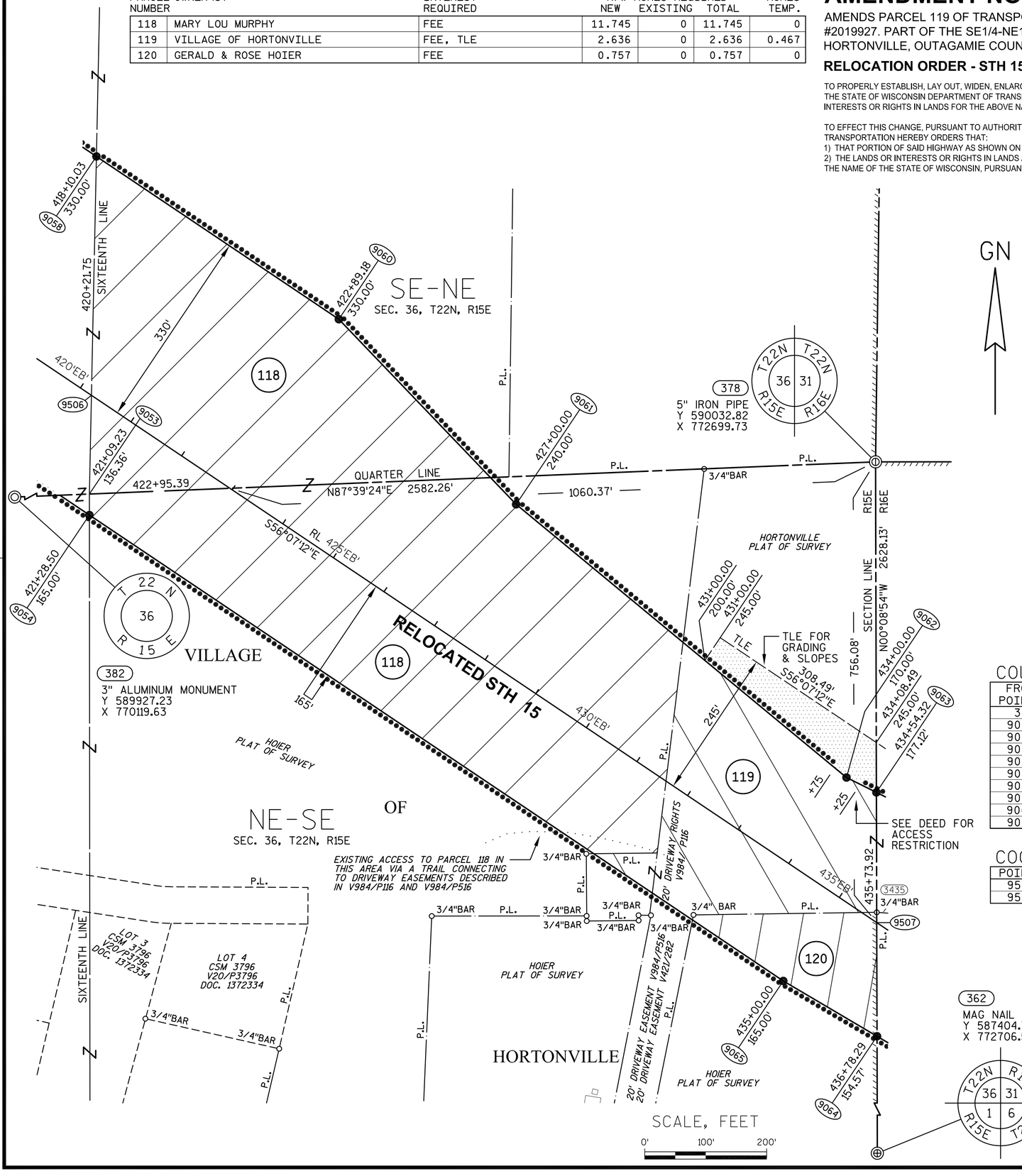
RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1146-75-22- 4.34
AMENDMENT NO: 1

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2 OF TRANSPORTATION PROJECT PLAT NO. 1146-75-22- 4.01, AS DOCUMENT #2016623 FOR ADDITIONAL INFORMATION.

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.

PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	R/W ACRES REQUIRED NEW	EXISTING	TOTAL	TLE ACRES TEMP.
118	MARY LOU MURPHY	FEE	11.745	0	11.745	0
119	VILLAGE OF HORTONVILLE	FEE, TLE	2.636	0	2.636	0.467
120	GERALD & ROSE HOIER	FEE	0.757	0	0.757	0

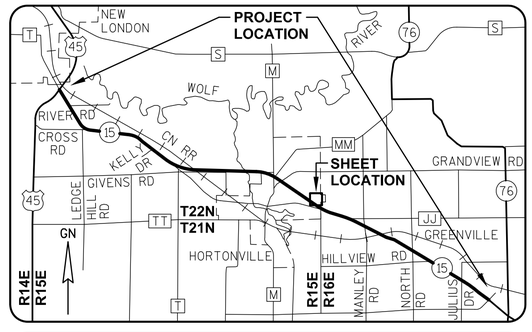


COURSE TABLE

FROM POINT	TO POINT	BEARING	DISTANCE
378	9063	S00°08'54"E	542.37'
9063	9064	S00°08'54"E	400.22'
9064	9065	N59°28'01"W	178.59'
9065	9054	N56°07'12"W	1371.50'
9054	9053	N00°03'19"W	34.52'
9053	9058	N01°11'48"E	554.09'
9058	9060	S56°07'12"E	479.15'
9060	9061	S43°45'48"E	420.57'
9061	9062	S50°24'34"E	703.49'
9062	9063	S63°34'56"E	54.79'

COORDINATE TABLE

POINT	Y (NORTH)	X (EAST)
9506	590142.000	771413.060
9507	589276.735	772701.685



GREMMER & ASSOCIATES, INC.
CONSULTING ENGINEERS
Stevens Point • Fond du Lac

I, DAVID L. ROBERTS, REGISTERED LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION, I HAVE SURVEYED AND MAPPED TRANSPORTATION PROJECT PLAT 1146-75-22-4.34, AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

DATE 11/07/2014 DAVID L. ROBERTS
RLS S-1725, FOR GREMMER & ASSOCIATES, INC.

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION.

DATE 2/4/2015 CURT VAN EREM
REAL ESTATE SUPERVISOR

WISCONSIN
DAVID L. ROBERTS
S-1725
STEVENS POINT
WI
LAND SURVEYOR

040434_15.DWG REVISED: 11/07/2014

APPRAISAL PLAT DATE:

APPROVED FOR DESIGN
OUTAGAMIE COUNTY PUBLIC WORKS

TRANSPORTATION PROJECT PLAT NO: 1146-75-22 - 4.34

PART OF THE SE1/4-NE1/4 AND THE NE1/4-SE1/4 OF SECTION 36, T22N, R15E, ALL IN THE VILLAGE OF HORTONVILLE, OUTAGAMIE COUNTY, WISCONSIN

RELOCATION ORDER - STH 15 (LILY OF THE VALLEY DRIVE - USH 45), OUTAGAMIE COUNTY

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE NAMED PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SUBSECTION 84.02 (3), 84.09 AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:
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REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2 OF TRANSPORTATION PROJECT PLAT NO. 1146-75-22- 4.01, AS DOCUMENT #2016623 FOR ADDITIONAL INFORMATION.

Document #: **2019927**
Date: **07-15-2014** Time: **08:33 AM** Pages: **1**
Fee: **$25.00** County: **OUTAGAMIE** State: **WI**

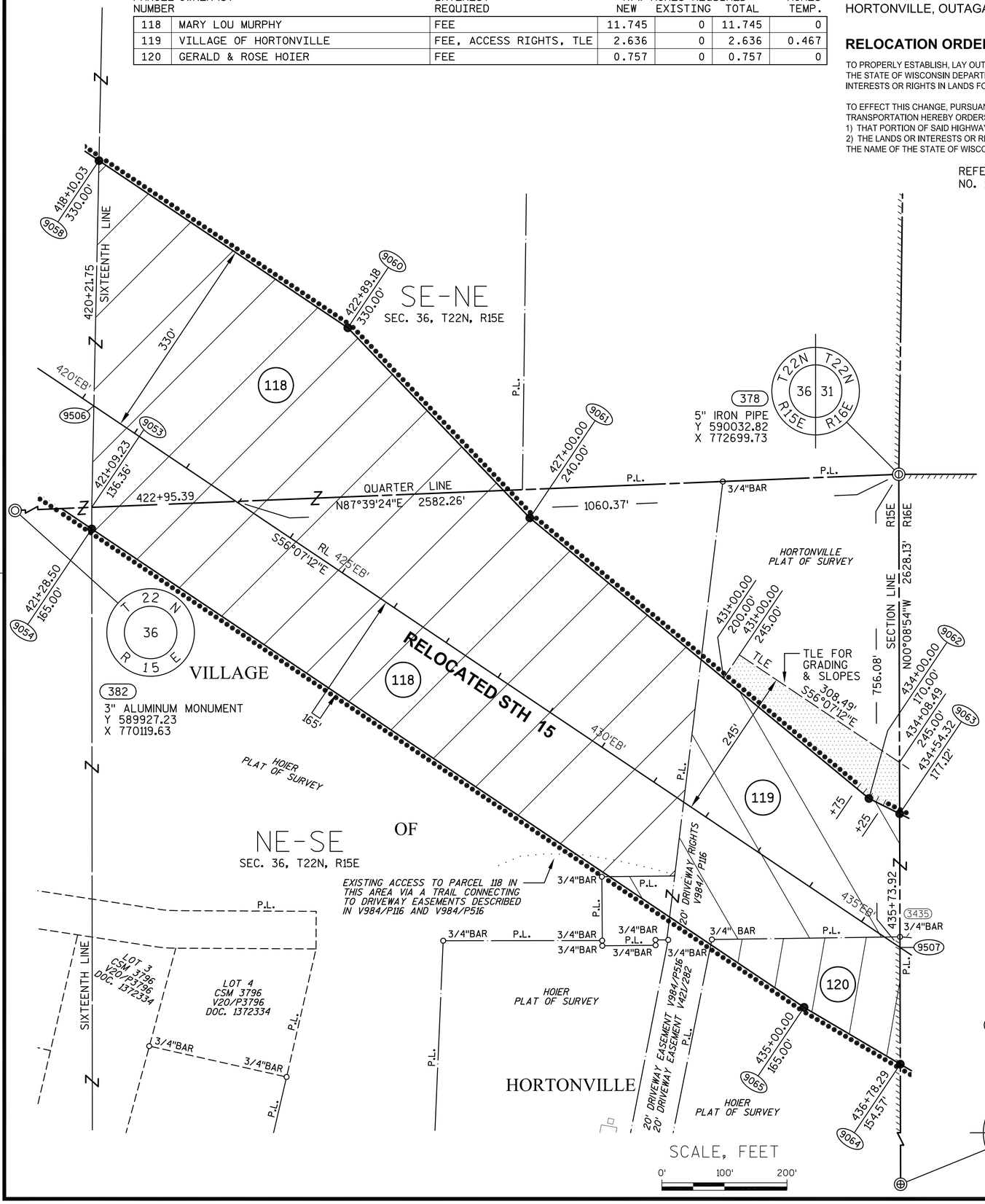
SARAH R VAN CAMP
REGISTER OF DEEDS
The above recording information verifies this document has been electronically recorded and returned to the submitter

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1146-75-22- 4.34
AMENDMENT NO:

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.

PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	R/W ACRES REQUIRED NEW	EXISTING	TOTAL	TLE ACRES TEMP.
118	MARY LOU MURPHY	FEE	11.745	0	11.745	0
119	VILLAGE OF HORTONVILLE	FEE, ACCESS RIGHTS, TLE	2.636	0	2.636	0.467
120	GERALD & ROSE HOIER	FEE	0.757	0	0.757	0

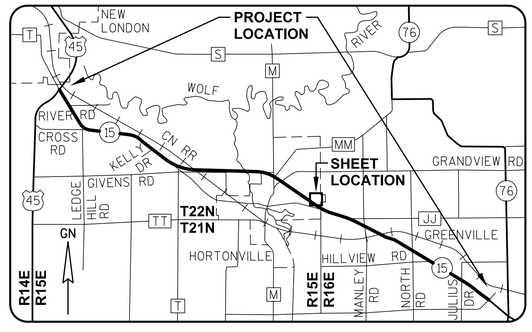


COURSE TABLE

FROM POINT	TO POINT	BEARING	DISTANCE
378	9063	S00°08'54"E	542.37'
9063	9064	S00°08'54"E	400.22'
9064	9065	N59°28'01"W	178.59'
9065	9054	N56°07'12"W	1371.50'
9054	9053	N00°03'19"W	34.52'
9053	9058	N01°11'48"E	554.09'
9058	9060	S56°07'12"E	479.15'
9060	9061	S43°45'48"E	420.57'
9061	9062	S50°24'34"E	703.49'
9062	9063	S63°34'56"E	54.79'

COORDINATE TABLE

POINT	Y (NORTH)	X (EAST)
9506	590142.000	771413.060
9507	589276.735	772701.685



GREMMER & ASSOCIATES, INC.
CONSULTING ENGINEERS
Stevens Point • Fond du Lac

I, DAVID L. ROBERTS, REGISTERED LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION, I HAVE SURVEYED AND MAPPED TRANSPORTATION PROJECT PLAT 1146-75-22-4.34, AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

DATE 7/08/2014 — DAVID L. ROBERTS
RLS S-1725, FOR GREMMER & ASSOCIATES, INC.

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION.

DATE 7/09/2014 — CURT VAN EREM
REAL ESTATE SUPERVISOR

WISCONSIN — DAVID L. ROBERTS S-1725 STEVENS POINT WI — LAND SURVEYOR

040434_15.DWG REVISED: 07/08/2014

APPRAISAL PLAT DATE:

PRE_100

TRANSPORTATION PROJECT PLAT NO: 1146-75-22 - 4.35 AMENDMENT NO. 1

AMENDS PARCEL 124 OF TRANSPORTATION PROJECT PLAT 1146-75-22-4.35 RECORDED AS DOCUMENT NO. 2019928. PART OF LOTS 1 AND 2 OF CSM 5287, AND PART OF THE FRACTIONAL NW1/4-SW1/4 AND THE FRACTIONAL SW1/4-SW1/4 OF SECTION 31, T22N, R16E, IN THE TOWN OF ELLINGTON; AND PART OF THE FRACTIONAL NW1/4-SW1/4 OF SECTION 31, T22N, R16E IN THE VILLAGE OF HORTONVILLE; ALL IN OUTAGAMIE COUNTY, WISCONSIN

RELOCATION ORDER - STH 15 (LILY OF THE VALLEY DRIVE - USH 45), OUTAGAMIE COUNTY

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE NAMED PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SUBSECTION 84.02 (3), 84.09 AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:
1) THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE NAMED PROJECT.
2) THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SUBSECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

Document #: **2046215**
Date: **06-16-2015** Time: **10:27 AM**
Pages: **1** Fee: **$25.00**
County: **OUTAGAMIE COUNTY** State: **WI**

SARAH R VAN CAMP , REGISTER OF DEEDS
The above recording information verifies this document has been electronically recorded and returned to the submitter

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1146-75-22- 4.35
AMENDMENT NO: 1

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2 OF TRANSPORTATION PROJECT PLAT NO. 1146-75-22- 4.01, AS DOCUMENT #2016623 FOR ADDITIONAL INFORMATION.

GN

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.

PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	R/W ACRES REQUIRED NEW	EXISTING	TOTAL	TLE ACRES TEMP.
119	VILLAGE OF HORTONVILLE	FEE, TLE	1.056	0	1.056	0.440
121	ALVIN H. LEMKE	FEE	4.302	0	4.302	0
122	ARNOLD J. & MARY S. WEYERS	FEE	3.469	0	3.469	0
123	PATRICK & DAWN McNICHOLS	FEE	0.271	0	0.271	0
124	COMMUNITY FIRST CREDIT UNION	FEE, TLE	0.287	0	0.287	0.058
126	DON E. PARKER	FEE, TLE	0.301	0	0.301	0.060
127	ALVIN H. LEMKE JR.	TLE	0	0	0	0.042

UTILITY INTERESTS REQUIRED:

919	WE ENERGIES - ELECTRIC	RELEASE OF RIGHTS
922	AT&T WISCONSIN	RELEASE OF RIGHTS

COURSE TABLE

FROM POINT	TO POINT	BEARING	DISTANCE
378	9063	S00°08'54"E	542.37'
9063	9070	S63°34'56"E	522.70'
9070	9071	S85°37'34"E	99.08'
9071	9072	S04°53'22"W	55.79'
9072	9073	S56°07'12"E	409.49'
9073	9074	S00°17'18"W	412.14'
9074	9075	N58°03'36"W	197.50'
9075	9064	N59°28'01"W	849.16'
9064	9063	N00°08'54"W	400.22'

COURSE TABLE

FROM POINT	TO POINT	BEARING	DISTANCE
362	9090	N00°08'54"W	898.21'
9090	9087	N00°08'54"W	153.25'
9087	9092	S70°06'27"E	952.04'
9092	9093	S00°17'18"W	127.38'
9093	9096	N70°06'28"W	876.56'
9096	9090	S89°51'06"W	69.94'

BASIS OF EXISTING HIGHWAY R/W

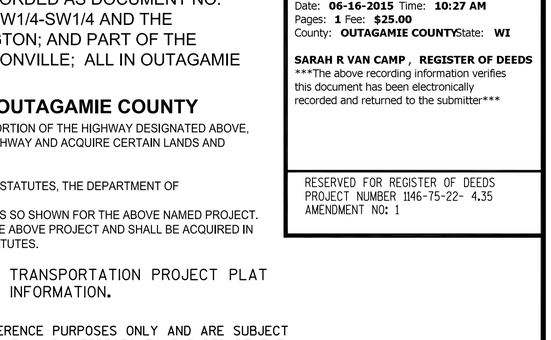
ROUTE	BASIS	YEAR
STH 15	TPP 6430-06-00-4.10	2011
GREENVILLE RD.	TPP 6430-06-00-4.10	2011

EXISTING ACCESS CONTROL: PROJECT 1146-01-21

COORDINATE TABLE

POINT	Y (NORTH)	X (EAST)
503	588745.994	773492.109
9087	588456.149	772703.811
9092	588132.213	773599.050
9507	589276.735	772701.685

APPROVED FOR DESIGN OF UTILITY ADJUSTMENTS OCTOBER 2019



GREMMER & ASSOCIATES, INC.
CONSULTING ENGINEERS
Stevens Point • Fond du Lac

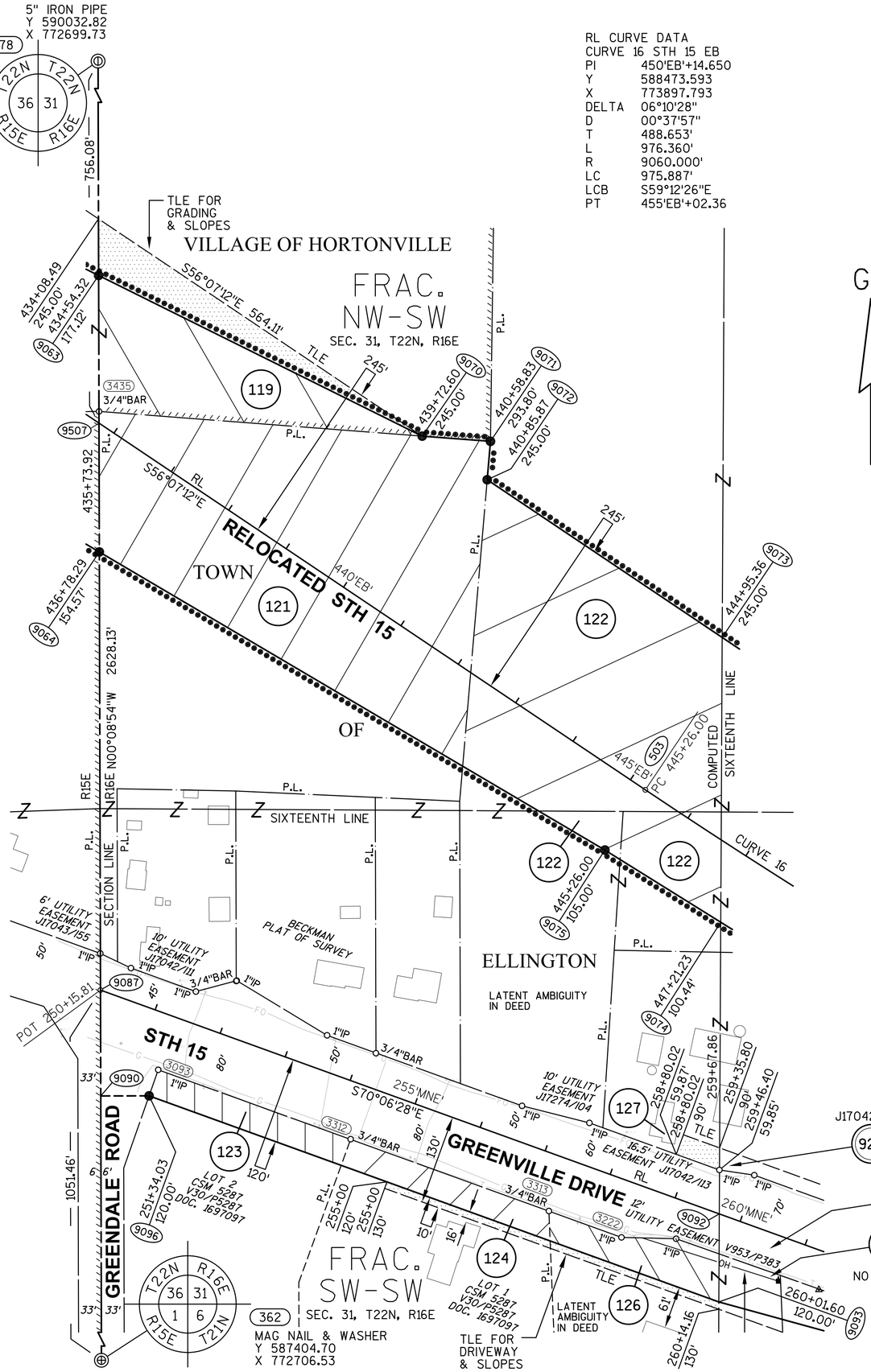
I, DAVID L. ROBERTS, PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION, I HAVE SURVEYED AND MAPPED TRANSPORTATION PROJECT PLAT 1146-75-22-4.35, AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

DATE 5/01/2015 DAVID L. ROBERTS
PLS S-1725, FOR GREMMER & ASSOCIATES, INC.

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION.

DATE 6/11/2015 CURT VAN EREM
REAL ESTATE SUPERVISOR

WISCONSIN
DAVID L. ROBERTS
S-1725
STEVENS POINT
WI
LAND SURVEYOR



040435_15.DWG REVISED: 05/01/2015

APPRAISAL PLAT DATE:

2022510

Recorded

August 18, 2014 11:56 AM

OUTAGAMIE COUNTY
SARAH R VAN CAMP
REGISTER OF DEEDS

Fee Amount: $30.00
Total Pages: 1

Document Number
AFFIDAVIT OF CORRECTION
TRANSPORTATION PROJECT PLAT

Wisconsin Department of Transportation
s.84.095(3)(b) Wis. Stats.
DT1590 8/2006

This Affidavit of Correction applies to Transportation Project Plat 1146-75-22 - 4.35, recorded in Document #2019928 in the Office of the Register of Deeds for Outagamie County.

The owner of Parcel 123 was shown on the original TPP (recorded on 07-15-2014) as Dennis H. & Lois Zemple. The correct current owner of Parcel 123 should instead be Patrick & Dawn McNichols.

This space is reserved for recording data (1)

Return to

Wisconsin Department of Transportation
944 Vanderperren Way
Green Bay, WI 54304

Attn: Real Estate

Parcel Identification Number/Tax Key Number
080077800

I certify that I represent the entity, which prepared or submitted the original plat.
This Affidavit of Correction has been approved by the Wisconsin Department of Transportation.

David L. Roberts
(Signature)

DAVID L. ROBERTS
(Print Name)

Professional Land Surveyor
(Title)

Subscribed and sworn to before me this date.

8/12/14
(Date)

State of Wisconsin)
) ss.
Portage County)

(Signature, Notary Public, State of Wisconsin)

NICK TRZEBIATOWSKI
(Print or Type Name, Notary Public, State of Wisconsin)

12/25/15
(Date Commission Expires)

Seal(s)

Project ID 1146-75-22 This instrument was drafted by Gremmer & Associates Parcel No. 123

2022511

Recorded

August 18, 2014 11:56 AM

OUTAGAMIE COUNTY
SARAH R VAN CAMP
REGISTER OF DEEDS

Fee Amount: $30.00
Total Pages: 1

Document Number
AFFIDAVIT OF CORRECTION
TRANSPORTATION PROJECT PLAT

Wisconsin Department of Transportation
s.84.095(3)(b) Wis. Stats.
DT1590 8/2006

This Affidavit of Correction applies to Transportation Project Plat 1146-75-22 - 4.35, recorded in Document #2019928 in the Office of the Register of Deeds for Outagamie County.

The owner of Parcel 124 was shown on the original TPP (recorded on 07-15-2014) as Wayne V. & Zella J. Gerdts (LC). The correct current owner of Parcel 124 should instead be Dennis H. Zemple & Lois Zemple, & Community First Credit Union.

This space is reserved for recording data (1)

Return to

Wisconsin Department of Transportation
944 Vanderperren Way
Green Bay, WI 54304

Attn: Real Estate

Parcel Identification Number/Tax Key Number
080077802

I certify that I represent the entity, which prepared or submitted the original plat.
This Affidavit of Correction has been approved by the Wisconsin Department of Transportation.

(Signature)

DAVID L. ROBERTS
(Print Name)

Professional Land Surveyor
(Title)

Subscribed and sworn to before me this date.

8/12/14
(Date)

State of Wisconsin)
) ss.
Portage County)

(Signature, Notary Public, State of Wisconsin)

(Print or Type Name, Notary Public, State of Wisconsin)

12/20/15
(Date Commission Expires)

Seal(s)

Project ID 1146-75-22 This instrument was drafted by Gremmer & Associates Parcel No. 124

TRANSPORTATION PROJECT PLAT NO: 1146-75-22 - 4.35

PART OF LOTS 1 AND 2 OF CSM 5287, AND PART OF THE FRACTIONAL NW1/4-SW1/4 AND THE FRACTIONAL SW1/4-SW1/4 OF SECTION 31, T22N, R16E, IN THE TOWN OF ELLINGTON; AND PART OF THE FRACTIONAL NW1/4-SW1/4 OF SECTION 31, T22N, R16E IN THE VILLAGE OF HORTONVILLE; ALL IN OUTAGAMIE COUNTY, WISCONSIN

RELOCATION ORDER - STH 15 (LILY OF THE VALLEY DRIVE - USH 45), OUTAGAMIE COUNTY

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE NAMED PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SUBSECTION 84.02 (3), 84.09 AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:
1) THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE NAMED PROJECT.
2) THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SUBSECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2 OF TRANSPORTATION PROJECT PLAT NO. 1146-75-22- 4.01, AS DOCUMENT #2016623 FOR ADDITIONAL INFORMATION.

Document #: **2019928**
Date: **07-15-2014** Time: **08:34 AM** Pages: **1**
Fee: **$25.00** County: **OUTAGAMIE** State: **WI**

SARAH R VAN CAMP
REGISTER OF DEEDS
The above recording information verifies this document has been electronically recorded and returned to the submitter

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1146-75- 4.35
AMENDMENT NO:

GN

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.

PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	R/W ACRES REQUIRED NEW	EXISTING	TOTAL	TLE ACRES TEMP.
119	VILLAGE OF HORTONVILLE	FEE, TLE	1.056	0	1.056	0.440
121	ALVIN H. LEMKE	FEE	4.302	0	4.302	0
122	ARNOLD J. & MARY S. WEYERS	FEE	3.469	0	3.469	0
123	PATRICK & DAWN MCNICHOLS	FEE	0.271	0	0.271	0
124	DENNIS H. ZEMPLE & LOIS ZEMPLE COMMUNITY FIRST CREDIT UNION	FEE, TLE	0.287	0	0.287	0.058
126	DON E. PARKER	FEE, TLE	0.301	0	0.301	0.060
127	ALVIN H. LEMKE JR.	TLE	0	0	0	0.042

AFFIDAVIT DOC NO 2022510
AFFIDAVIT DOC NO 2022511

UTILITY INTERESTS REQUIRED:

919	WE ENERGIES - ELECTRIC	RELEASE OF RIGHTS
922	AT&T WISCONSIN	RELEASE OF RIGHTS

COURSE TABLE

FROM POINT	TO POINT	BEARING	DISTANCE
378	9063	S00°08'54"E	542.37'
9063	9070	S63°34'56"E	522.70'
9070	9071	S85°37'34"E	99.08'
9071	9072	S04°53'22"W	55.79'
9072	9073	S56°07'12"E	409.49'
9073	9074	S00°17'18"W	412.14'
9074	9075	N58°03'36"W	197.50'
9075	9064	N59°28'01"W	849.16'
9064	9063	N00°08'54"W	400.22'

COURSE TABLE

FROM POINT	TO POINT	BEARING	DISTANCE
362	9090	N00°08'54"W	898.21'
9090	9087	N00°08'54"W	153.25'
9087	9092	S70°06'27"E	952.04'
9092	9093	S00°17'18"W	127.38'
9093	9096	N70°06'28"W	876.56'
9096	9090	S89°51'06"W	69.94'

BASIS OF EXISTING HIGHWAY R/W

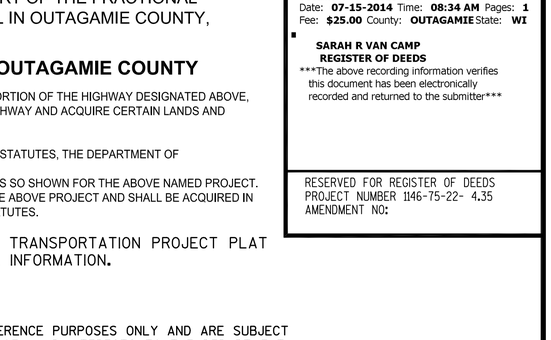
ROUTE	BASIS	YEAR
STH 15	TPP 6430-06-00-4.10	2011
GREENVILLE RD.	TPP 6430-06-00-4.10	2011

EXISTING ACCESS CONTROL: PROJECT 1146-01-21

COORDINATE TABLE

POINT	Y (NORTH)	X (EAST)
503	588745.994	773492.109
9087	588456.149	772703.811
9092	588132.213	773599.050
9507	589276.735	772701.685

APPROVED FOR DESIGN OF UTILITY ADJUSTMENTS OCTOBER 2019



GREMMER & ASSOCIATES, INC.
CONSULTING ENGINEERS
Stevens Point • Fond du Lac

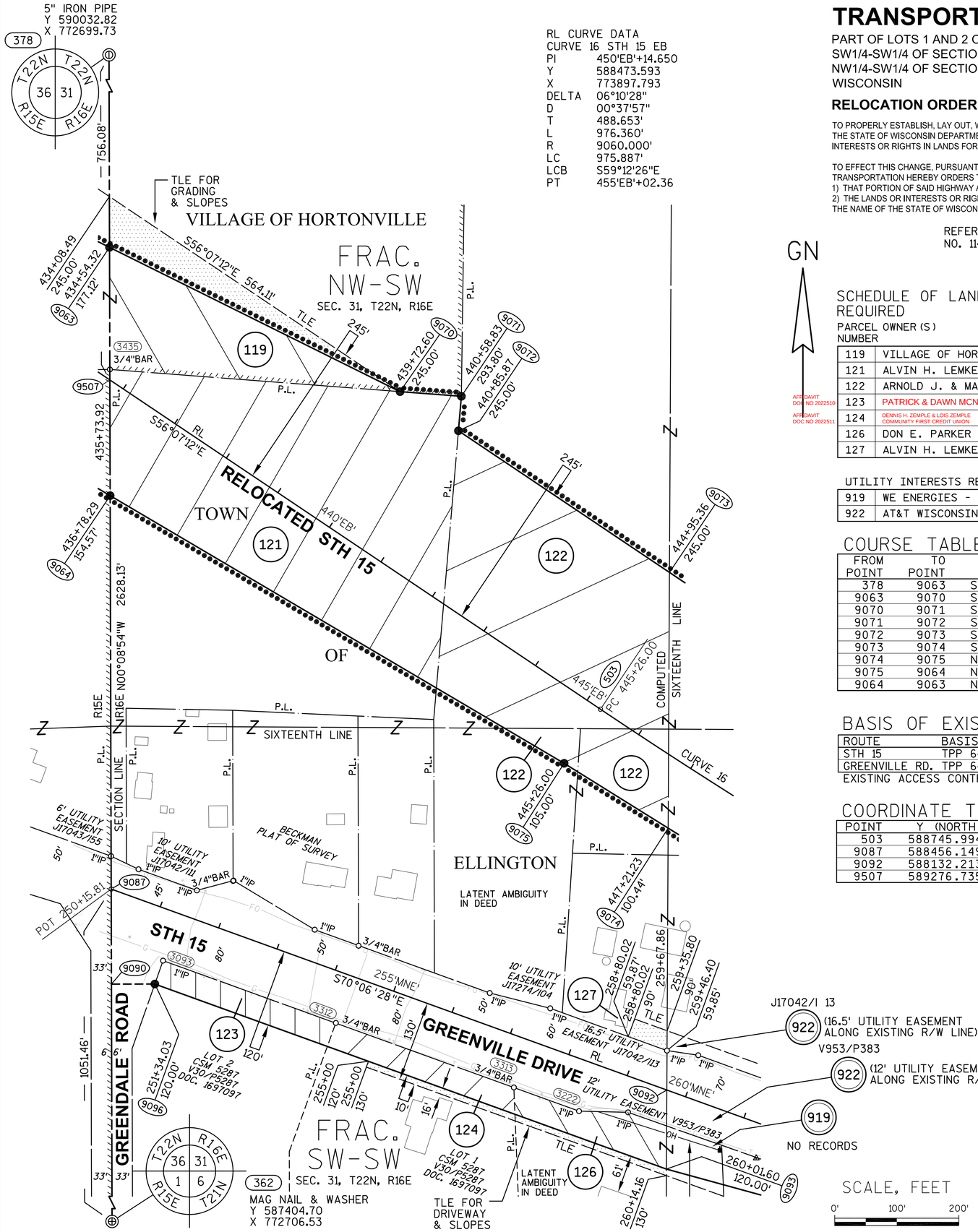
I, DAVID L. ROBERTS, REGISTERED LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION, I HAVE SURVEYED AND MAPPED TRANSPORTATION PROJECT PLAT 1146-75-22-4.35, AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

DATE 7/08/2014 — DAVID L. ROBERTS
RLS S-1725, FOR GREMMER & ASSOCIATES, INC.

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION.

DATE 7/09/2014 — CURT VAN EREM
REAL ESTATE SUPERVISOR

WISCONSIN
DAVID L. ROBERTS
S-1725
STEVENS POINT
WI
LAND SURVEYOR



REVISED: 07/08/2014

040435_15.DWG

APPRAISAL PLAT DATE:

TRANSPORTATION PROJECT PLAT NO: 1146-75-22 - 4.36
AMENDMENT NO: 2

AMENDS PARCELS 129 AND 131 OF TRANSPORTATION PROJECT PLAT 1146-75-22-4.36, RECORDED AS DOCUMENT #2019929, PART OF THE NE1/4-SW1/4 AND THE SE1/4-SW1/4 OF SECTION 31, T22N, R16E, ALL IN THE TOWN OF ELLINGTON, OUTAGAMIE COUNTY, WISCONSIN

RELOCATION ORDER - STH 15 (LILY OF THE VALLEY DRIVE - USH 45), OUTAGAMIE COUNTY

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE NAMED PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SUBSECTION 84.02 (3), 84.09 AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:
1) THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE NAMED PROJECT.
2) THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SUBSECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

Document #: **2075773**
Date: **06-22-2016** Time: **07:53 AM**
Pages: **1** Fee: **$25.00**
County: **OUTAGAMIE COUNTY** State: **WI**

SARAH R VAN CAMP , REGISTER OF DEEDS
This document has been electronically recorded and returned to:
WiDotNeRegionGreenbay

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1146-75-22- 4.36
AMENDMENT NO: 2

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2 OF TRANSPORTATION PROJECT PLAT NO. 1146-75-22- 4.01, AS DOCUMENT #2016623 FOR ADDITIONAL INFORMATION.

RL CURVE DATA
CURVE 16 STH 15 EB

PI	450'EB'+14.650
Y	588473.593
X	773897.793
DELTA	06°10'28"
D	00°37'57"
T	488.653'
L	976.360'
R	9060.000'
LC	975.887'
LCB	S59°12'26"E

RL CURVE DATA
CURVE 29 OLD STH 15

PI	268'MNE'+21.346
Y	587841.816
X	774401.615
DELTA	29°39'59"
D	06°51'42"
T	221.135'
L	432.345'
R	835.000'
LC	427.532'
LCB	S55°16'28"E

NE-SW
SEC. 31, T22N, R16E

3" ALUMINUM MONUMENT
Y 590034.45
X 774831.08

SE-SW
SEC. 31, T22N, R16E

CURVE TABLE

FROM POINT	TO POINT	RADIUS	ARC LENGTH	CHORD BEARING	CHORD LENGTH
9101	9102	800.00'	414.22'	N55°16'28"W	409.61'
9103	9104	7639.32'	652.56'	S72°33'17"E	652.36'

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.

PARCEL NUMBER	OWNER (S)	INTEREST REQUIRED	R/W ACRES REQUIRED NEW	EXISTING	TOTAL	TLE ACRES TEMP.
122	ARNOLD J. & MARY S. WEYERS	FEE	2.765	0	2.765	0
126	DON E. PARKER	FEE, TLE	0.137	0	0.137	0.031
127	ALVIN H. LEMKE JR.	FEE, TLE	1.170	0	1.170	0.237
128	JOAN M. JOSSART SURVIVOR'S TRUST	FEE	6.009	0	6.009	0
129	DOUGLAS J. & BRENDA K. SCHWOBE	FEE, TLE	0.299	0	0.299	0.045
131	KENNETH R. & THOMAS L. WYNBOOM	FEE	0.364	0	0.364	0
132	RUTH M. YOUNG	FEE, TLE	2.573	0	2.573	0.098

UTILITY INTERESTS REQUIRED:

919	WE ENERGIES - ELECTRIC	RELEASE OF RIGHTS
922	AT&T WISCONSIN	RELEASE OF RIGHTS

COORDINATE TABLE

POINT	Y (NORTH)	X (EAST)
503	588745.994	773492.109
505	588246.406	774330.421
558	587673.516	774545.058
9092	588132.213	773599.050
9508	587993.527	774811.975

COURSE TABLE

FROM POINT	TO POINT	BEARING	DISTANCE
364	9083	N00°32'10"E	467.20'
9083	9084	N62°17'41"W	610.63'
9084	9085	N59°28'13"W	306.68'
9085	9086	N55°39'57"W	304.29'
9086	9074	N58°03'36"W	130.74'
9074	9073	N00°17'18"E	412.14'
9073	9080	S56°07'12"E	30.64'
9080	9081	S47°45'45"E	442.91'
9081	9082	S62°17'41"E	968.34'
9082	9083	S00°32'10"W	354.07'

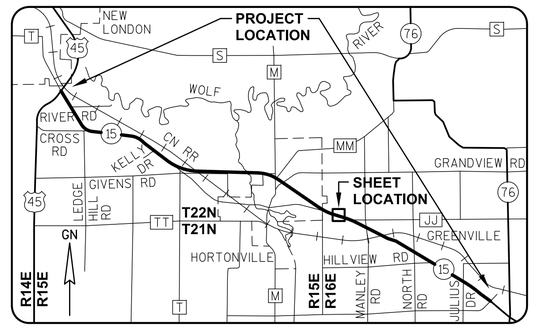
COURSE TABLE

FROM POINT	TO POINT	BEARING	DISTANCE
364	9100	N89°19'57"W	137.41'
9100	9101	N40°26'29"W	266.18'
9102	9482	N70°06'28"W	201.88'
9482	9483	N39°08'38"W	29.15'
9483	9484	N70°06'28"W	25.00'
9484	9095	N75°49'06"W	150.75'
9095	9093	N74°38'09"W	190.00'
9093	9092	N00°17'18"E	127.38'
9092	9103	S70°06'28"E	624.79'
9104	9105	S75°00'07"E	0.55'
9105	364	S00°32'10"W	343.69'

BASIS OF EXISTING HIGHWAY R/W

ROUTE	BASIS	YEAR
STH 15	TPP 6430-06-00-4.10	2011

EXISTING ACCESS CONTROL: PROJECT 1146-01-21



GREMMER & ASSOCIATES, INC.
CONSULTING ENGINEERS
Stevens Point • Fond du Lac

I, DAVID L. ROBERTS, REGISTERED LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION, I HAVE SURVEYED AND MAPPED TRANSPORTATION PROJECT PLAT 1146-75-22-4.36, AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

DATE 05/16/2016 DAVID L. ROBERTS
RLS S-1725, FOR GREMMER & ASSOCIATES, INC.

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION.

DATE 06/21/2016 CURT VAN EREM
REAL ESTATE SUPERVISOR

WISCONSIN
DAVID L. ROBERTS
S-1725
STEVENS POINT
WI
LAND SURVEYOR

AS OF OCTOBER 2013

REVISED: 05/16/2016
040436_15.DWG

APPRAISAL PLAT DATE:

TRANSPORTATION PROJECT PLAT NO: 1146-75-22 - 4.36
AMENDMENT NO: 1

AMENDS PARCELS 122 AND 127 OF TRANSPORTATION PROJECT PLAT 1146-75-22-4.36, RECORDED AS DOCUMENT #2019929, PART OF THE NE1/4-SW1/4 AND THE SE1/4-SW1/4 OF SECTION 31, T22N, R16E, ALL IN THE TOWN OF ELLINGTON, OUTAGAMIE COUNTY, WISCONSIN

RELOCATION ORDER - STH 15 (LILY OF THE VALLEY DRIVE - USH 45), OUTAGAMIE COUNTY

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE NAMED PROJECT.

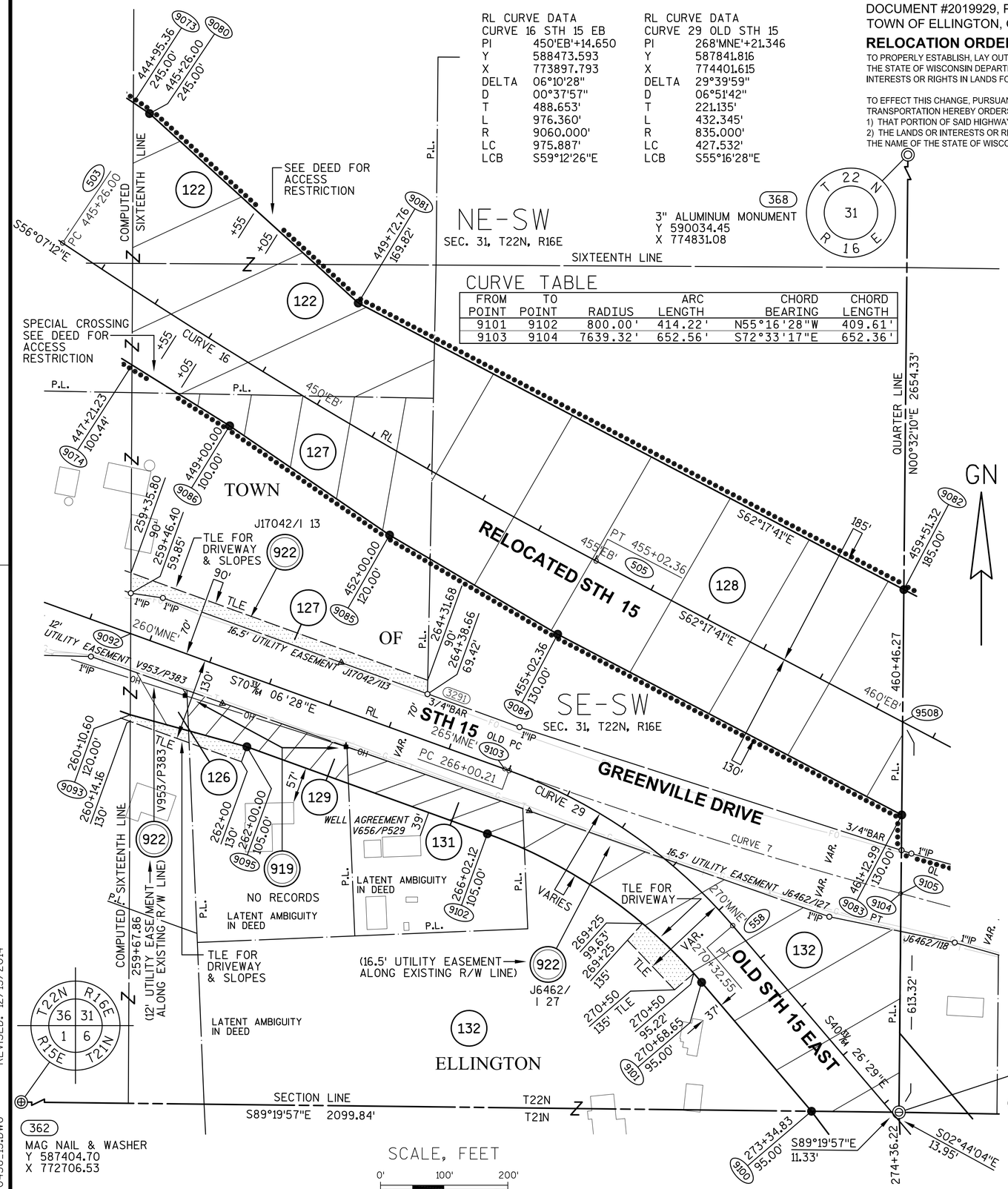
TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SUBSECTION 84.02 (3), 84.09 AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:
1) THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE NAMED PROJECT.
2) THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SUBSECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

Document #: **2035596**
Date: **02-06-2015** Time: **09:17 AM**
Pages: **1** Fee: **$25.00**
County: **OUTAGAMIE COUNTY** State: **WI**

SARAH R VAN CAMP , REGISTER OF DEEDS
The above recording information verifies this document has been electronically recorded and returned to the submitter

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1146-75-22- 4.36
AMENDMENT NO: 1

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2 OF TRANSPORTATION PROJECT PLAT NO. 1146-75-22- 4.01, AS DOCUMENT #2016623 FOR ADDITIONAL INFORMATION.



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.

PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	R/W ACRES REQUIRED NEW	EXISTING	TOTAL	TLE ACRES TEMP.
122	ARNOLD J. & MARY S. WEYERS	FEE	2.765	0	2.765	0
126	DON E. PARKER	FEE, TLE	0.137	0	0.137	0.031
127	ALVIN H. LEMKE JR.	FEE, TLE	1.170	0	1.170	0.237
128	JOAN M. JOSSART SURVIVOR'S TRUST	FEE	6.009	0	6.009	0
129	DOUGLAS J. & BRENDA K. SCHWOBE	FEE, TLE	0.330	0	0.330	0.045
131	KENNETH R. & THOMAS L. WYNBOOM	FEE	0.371	0	0.371	0
132	RUTH M. YOUNG	FEE, TLE	2.573	0	2.573	0.098

UTILITY INTERESTS REQUIRED:

919	WE ENERGIES - ELECTRIC	RELEASE OF RIGHTS
922	AT&T WISCONSIN	RELEASE OF RIGHTS

BASIS OF EXISTING HIGHWAY R/W

ROUTE	BASIS	YEAR
STH 15	TPP 6430-06-00-4.10	2011

EXISTING ACCESS CONTROL: PROJECT 1146-01-21

COORDINATE TABLE

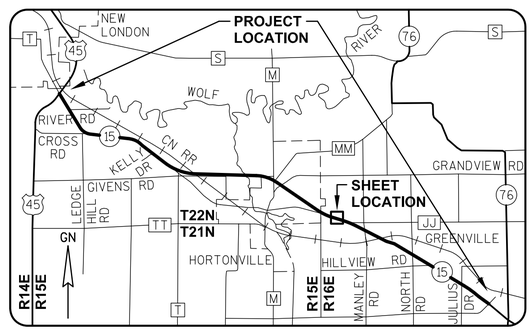
POINT	Y (NORTH)	X (EAST)
503	588745.994	773492.109
505	588246.406	774330.421
558	587673.516	774545.058
9092	588132.213	773599.050
9508	587993.527	774811.975

COURSE TABLE

FROM POINT	TO POINT	BEARING	DISTANCE
364	9083	N00°32'10"E	467.20'
9083	9084	N62°17'41"W	610.63'
9084	9085	N59°28'13"W	306.68'
9085	9086	N55°38'57"W	304.29'
9086	9074	N58°03'36"W	180.74'
9074	9073	N00°17'18"E	412.14'
9073	9080	S56°07'12"E	30.64'
9080	9081	S47°45'45"E	442.91'
9081	9082	S62°17'41"E	968.34'
9082	9083	S00°32'10"W	354.07'

COURSE TABLE

FROM POINT	TO POINT	BEARING	DISTANCE
364	9100	N89°19'57"W	137.41'
9100	9101	N40°26'29"W	266.18'
9102	9095	N70°06'28"W	401.88'
9095	9093	N74°38'09"W	190.00'
9093	9092	N00°17'18"E	127.38'
9092	9103	S70°06'28"E	624.79'
9104	9105	S75°00'07"E	0.55'
9105	364	S00°32'10"W	343.69'



GREMMER & ASSOCIATES, INC.
CONSULTING ENGINEERS
Stevens Point • Fond du Lac

I, DAVID L. ROBERTS, REGISTERED LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION, I HAVE SURVEYED AND MAPPED TRANSPORTATION PROJECT PLAT 1146-75-22-4.36, AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

DATE 12/13/2014 DAVID L. ROBERTS
RLS S-1725, FOR GREMMER & ASSOCIATES, INC.

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION.

DATE 2/4/2015 CURT VAN EREM
REAL ESTATE SUPERVISOR

WISCONSIN
DAVID L. ROBERTS
S-1725
STEVENS POINT
WI
LAND SURVEYOR

REVISED: 12/13/2014
0404436_15.DWG

APPRAISAL PLAT DATE:

TRANSPORTATION PROJECT PLAT NO: 1146-75-22 - 4.36

PART OF THE NE1/4-SW1/4 AND THE SE1/4-SW1/4 OF SECTION 31, T22N, R16E, ALL IN THE TOWN OF ELLINGTON, OUTAGAMIE COUNTY, WISCONSIN

Document #: **2019929**
Date: **07-15-2014** Time: **08:36 AM** Pages: **1**
Fee: **$25.00** County: **OUTAGAMIE** State: **WI**

SARAH R VAN CAMP
REGISTER OF DEEDS
The above recording information verifies this document has been electronically recorded and returned to the submitter

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1146-75-22- 4.36
AMENDMENT NO:

RELOCATION ORDER - STH 15 (LILY OF THE VALLEY DRIVE - USH 45), OUTAGAMIE COUNTY

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE NAMED PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SUBSECTION 84.02 (3), 84.09 AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:
1) THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE NAMED PROJECT.
2) THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SUBSECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2 OF TRANSPORTATION PROJECT PLAT NO. 1146-75-22- 4.01, AS DOCUMENT #2016623 FOR ADDITIONAL INFORMATION.

RL CURVE DATA
CURVE 16 STH 15 EB

PI	450'EB'+14.650
Y	588473.593
X	773897.793
DELTA	06°10'28"
D	00°37'57"
T	488.653'
L	976.360'
R	9060.000'
LC	975.887'
LCB	S59°12'26"E

RL CURVE DATA
CURVE 29 OLD STH 15

PI	268'MNE'+21.346
Y	587841.816
X	774401.615
DELTA	29°39'59"
D	06°51'42"
T	221.135'
L	432.345'
R	835.000'
LC	427.532'
LCB	S55°16'28"E

NE-SW
SEC. 31, T22N, R16E

368
3" ALUMINUM MONUMENT
Y 590034.45
X 774831.08

T 22 N
R 16 E
31

SE-SW
SEC. 31, T22N, R16E

CURVE TABLE

FROM POINT	TO POINT	RADIUS	ARC LENGTH	CHORD BEARING	CHORD LENGTH
9101	9102	800.00'	414.22'	N55°16'28"W	409.61'
9103	9104	7639.32'	652.56'	S72°33'17"E	652.36'

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.

PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	R/W ACRES REQUIRED NEW	EXISTING	TOTAL	TLE ACRES TEMP.
122	ARNOLD J. & MARY S. WEYERS	FEE, ACCESS RIGHTS	2.765	0	2.765	0
126	DON E. PARKER	FEE, TLE	0.137	0	0.137	0.031
127	ALVIN H. LEMKE JR.	FEE, ACCESS RIGHTS, TLE	1.170	0	1.170	0.237
128	JOAN M. JOSSART SURVIVOR'S TRUST	FEE	6.009	0	6.009	0
129	DOUGLAS J. & BRENDA K. SCHWOBE	FEE, TLE	0.330	0	0.330	0.045
131	KENNETH R. & THOMAS L. WYNBOOM	FEE	0.371	0	0.371	0
132	RUTH M. YOUNG	FEE, TLE	2.573	0	2.573	0.098

UTILITY INTERESTS REQUIRED:

919	WE ENERGIES - ELECTRIC	RELEASE OF RIGHTS
922	AT&T WISCONSIN	RELEASE OF RIGHTS

BASIS OF EXISTING HIGHWAY R/W

ROUTE	BASIS	YEAR
STH 15	TPP 6430-06-00-4.10	2011

EXISTING ACCESS CONTROL: PROJECT 1146-01-21

COORDINATE TABLE

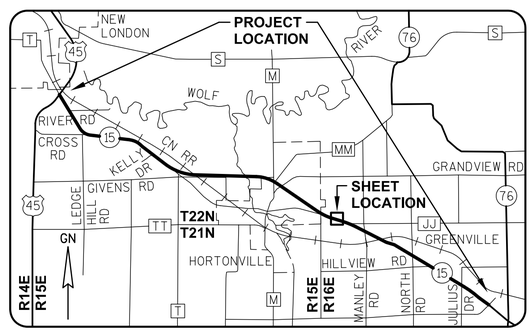
POINT	Y (NORTH)	X (EAST)
503	588745.994	773492.109
505	588246.406	774330.421
558	587673.516	774545.058
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9508	587993.527	774811.975

COURSE TABLE

FROM POINT	TO POINT	BEARING	DISTANCE
364	9083	N00°32'10"E	467.20'
9083	9084	N62°17'41"W	610.63'
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9085	9086	N55°38'57"W	304.29'
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9074	9073	N00°17'18"E	412.14'
9073	9080	S56°07'12"E	30.64'
9080	9081	S47°45'45"E	442.91'
9081	9082	S62°17'41"E	968.34'
9082	9083	S00°32'10"W	354.07'

COURSE TABLE

FROM POINT	TO POINT	BEARING	DISTANCE
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9100	9101	N40°26'29"W	266.18'
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9093	9092	N00°17'18"E	127.38'
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9104	9105	S75°00'07"E	0.55'
9105	364	S00°32'10"W	343.69'



GREMMER & ASSOCIATES, INC.
CONSULTING ENGINEERS
Stevens Point • Fond du Lac

I, DAVID L. ROBERTS, REGISTERED LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION, I HAVE SURVEYED AND MAPPED TRANSPORTATION PROJECT PLAT 1146-75-22-4.36, AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

DATE 7/08/2014 — DAVID L. ROBERTS RLS S-1725, FOR GREMMER & ASSOCIATES, INC.

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION.

DATE 7/09/2014 — CURT VAN EREM, REAL ESTATE SUPERVISOR

WISCONSIN — DAVID L. ROBERTS S-1725 STEVENS POINT WI — LAND SURVEYOR

362
MAG NAIL & WASHER
Y 587404.70
X 772706.53

364
3" ALUMINUM MONUMENT
Y 587380.23
X 774806.23

SCALE, FEET
0' 100' 200'

REVISED: 07/08/2014
040436_15.DWG

APPRAISAL PLAT DATE:

APPROVED FOR PUBLIC RECORD
COPY ONLY
DEPARTMENT OF TRANSPORTATION
APR 15 2019

TRANSPORTATION PROJECT PLAT NO: 1146-75-22 - 4.37 AMENDMENT NO. 2

AMENDS PARCEL 133 OF TRANSPORTATION PROJECT PLAT 1146-75-22-4.37 AMENDMENT NO. 1, RECORDED AS DOCUMENT #2071908, AND PARCEL 139 OF TRANSPORTATION PROJECT PLAT 1146-75-22-4.37 RECORDED AS DOCUMENT #2019930. PART OF THE SW1/4-SE1/4 OF SECTION 31, T22N, R16E, IN THE TOWN OF ELLINGTON, OUTAGAMIE COUNTY, WISCONSIN

RELOCATION ORDER - STH 15 (LILY OF THE VALLEY DRIVE - USH 45), OUTAGAMIE COUNTY

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE NAMED PROJECT.

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Document #: **2087239**
Date: **10-17-2016** Time: **02:26 PM**
Pages: **1** Fee: **$25.00**
County: **OUTAGAMIE COUNTY** State: **WI**

SARAH R VAN CAMP, REGISTER OF DEEDS
This document has been electronically recorded and returned to:
WiDotNeRegionGreenbay

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1146-75-22- 4.37
AMENDMENT NO: 2

SCHEDULE OF LANDS & INTERESTS REQUIRED

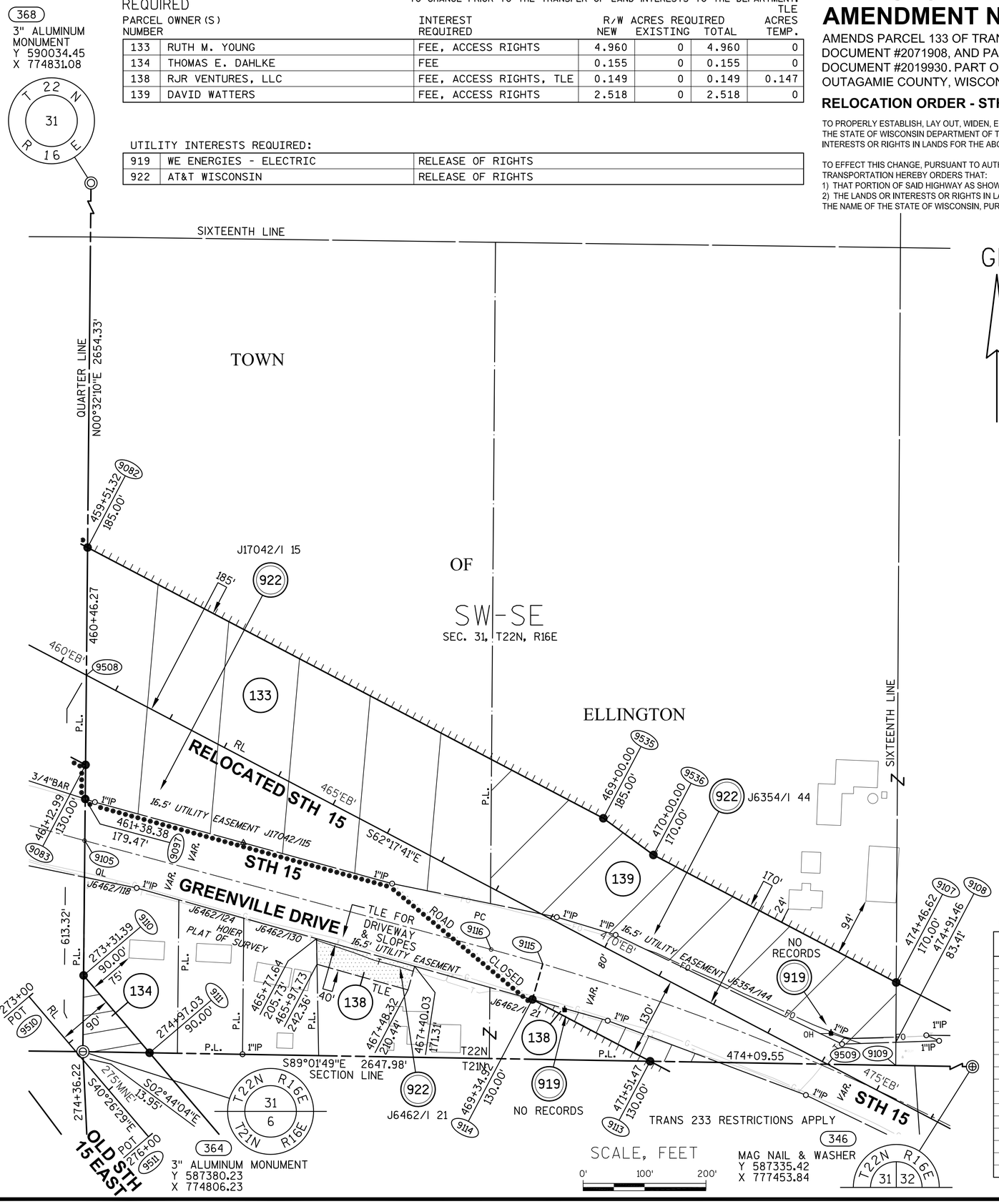
OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE DEPARTMENT.

PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	R/W ACRES REQUIRED NEW	EXISTING	TOTAL	TLE ACRES TEMP.
133	RUTH M. YOUNG	FEE, ACCESS RIGHTS	4.960	0	4.960	0
134	THOMAS E. DAHLKE	FEE	0.155	0	0.155	0
138	RJR VENTURES, LLC	FEE, ACCESS RIGHTS, TLE	0.149	0	0.149	0.147
139	DAVID WATTERS	FEE, ACCESS RIGHTS	2.518	0	2.518	0

UTILITY INTERESTS REQUIRED:

919	WE ENERGIES - ELECTRIC	RELEASE OF RIGHTS
922	AT&T WISCONSIN	RELEASE OF RIGHTS

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2 OF TRANSPORTATION PROJECT PLAT NO. 1146-75-22- 4.01, AS DOCUMENT #2016623 FOR ADDITIONAL INFORMATION.



BASIS OF EXISTING HIGHWAY R/W

ROUTE	BASIS	YEAR
STH 15	TPP 6430-06-00-4.09	2011
	TPP 6430-06-00-4.10	2011

EXISTING ACCESS CONTROL: PROJECT 1146-01-21

CURVE TABLE

FROM POINT	TO POINT	RADIUS	ARC LENGTH	CHORD BEARING	CHORD LENGTH
9115	9116	3819.73'	87.37'	N74°20'48"W	87.37'

COORDINATE TABLE

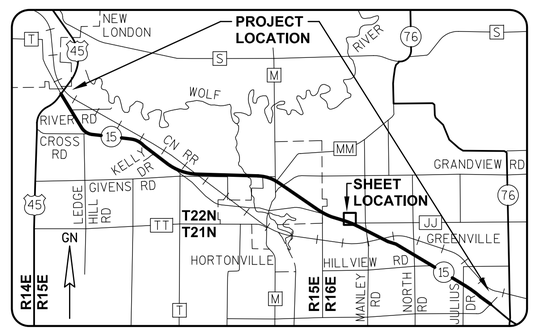
POINT	Y (NORTH)	X (EAST)
9508	587993.527	774811.975
9509	587359.706	776018.951
9510	587469.967	774718.539
9511	587241.646	774913.140

APPROVED FOR USE IN THE PREPARATION OF UTILITY ADJUSTMENT PLANS OCTOBER 10, 2016

WISCONSIN
DAVID L. ROBERTS
S-1725
STEVENS POINT WI
LAND SURVEYOR

COURSE TABLE

FROM POINT	TO POINT	BEARING	DISTANCE
364	9110	N00°32'10"E	124.23'
9110	9111	S40°26'29"E	165.64'
9111	364	N89°01'49"W	108.62'
364	9105	N00°32'10"E	343.69'
9105	9097	N00°32'10"E	67.90'
9097	9083	N00°32'10"E	55.60'
9083	9082	N00°32'10"E	354.07'
9082	9535	S62°17'41"E	948.68'
9535	9536	S53°45'50"E	101.12'
9536	9107	S62°17'41"E	446.63'
9107	9108	S00°19'50"W	97.50'
9108	9109	S00°19'50"W	37.65'
9109	9113	N89°01'49"W	400.07'
9113	9114	N62°17'41"W	216.55'
9114	9115	N16°18'31"E	60.22'
9115	9116	SEE CURVE TABLE	
9116	9105	N75°00'07"W	684.97'
364	9509	S89°01'49"E	1212.89'



GREMMER & ASSOCIATES, INC.
CONSULTING ENGINEERS
Stevens Point • Fond du Lac

I, DAVID L. ROBERTS, REGISTERED LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION, I HAVE SURVEYED AND MAPPED TRANSPORTATION PROJECT PLAT 1146-75-22-4.37, AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

DATE 9/19/2016 DAVID L. ROBERTS
RLS S-1725, FOR GREMMER & ASSOCIATES, INC.

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION.

DATE 10/10/2016 CURT VAN EREM
REAL ESTATE SUPERVISOR

040437_15.DWG REVISED: 09/19/2016

APPRAISAL PLAT DATE:

TRANSPORTATION PROJECT PLAT NO: 1146-75-22 - 4.37 AMENDMENT NO. 1

AMENDS PARCEL 133 OF TRANSPORTATION PROJECT PLAT 1146-75-22-4.37, RECORDED AS DOCUMENT #2019930, PART OF THE SW1/4-SE1/4 OF SECTION 31, T22N, R16E, IN THE TOWN OF ELLINGTON, OUTAGAMIE COUNTY, WISCONSIN

RELOCATION ORDER - STH 15 (LILY OF THE VALLEY DRIVE - USH 45), OUTAGAMIE COUNTY

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Document #: **2071908**
Date: **05-09-2016** Time: **04:20 PM**
Pages: **1** Fee: **$25.00**
County: **OUTAGAMIE COUNTY** State: **WI**

SARAH R VAN CAMP , REGISTER OF DEEDS
This document has been electronically recorded and returned to:
WiDotNeRegionGreenbay

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1146-75-22- 4.37
AMENDMENT NO: 1

SCHEDULE OF LANDS & INTERESTS REQUIRED

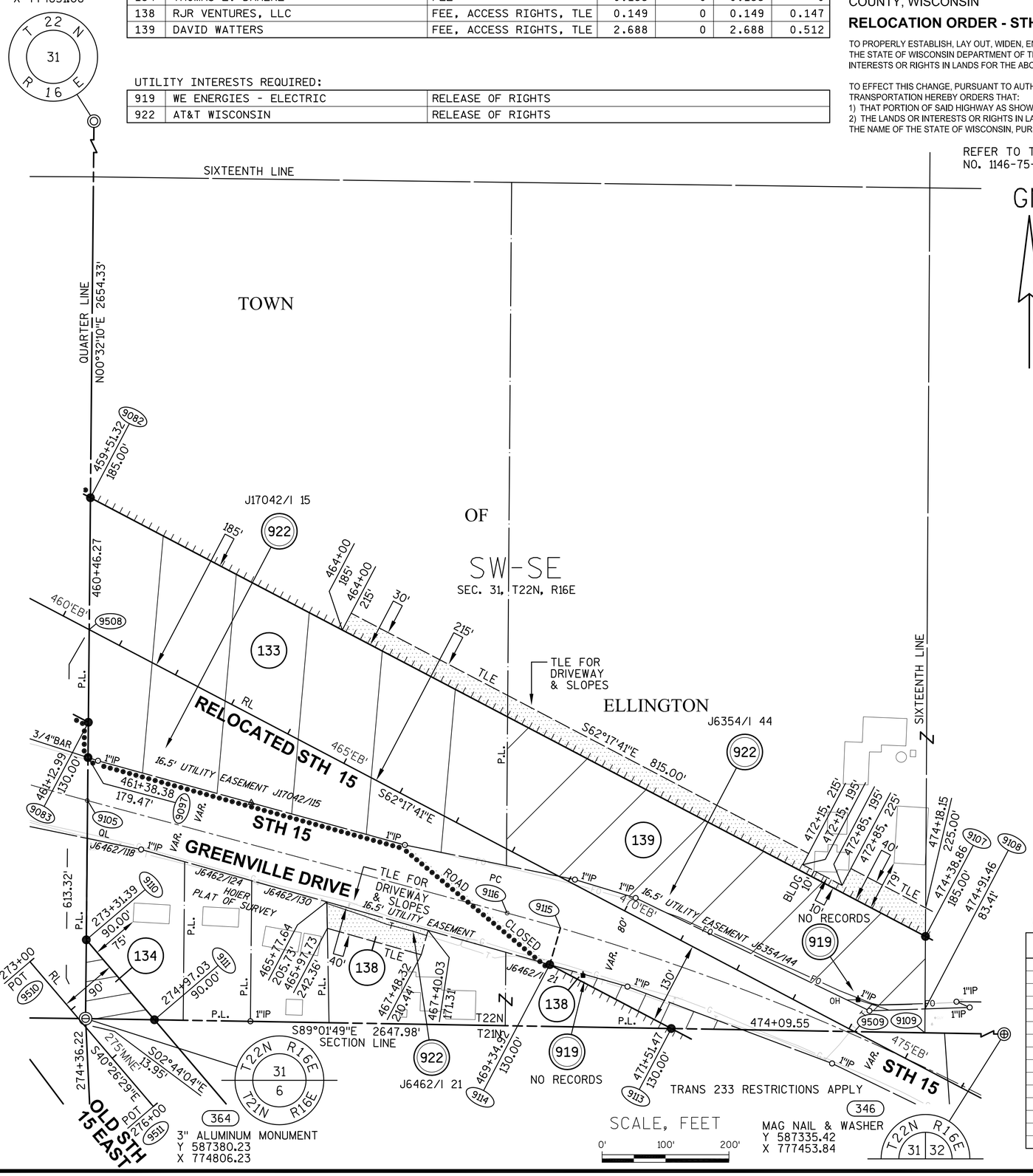
OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE DEPARTMENT.

PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	R/W ACRES REQUIRED NEW	EXISTING	TOTAL	TLE ACRES TEMP.
133	RUTH M. YOUNG	FEE, ACCESS RIGHTS, TLE	4.960	0	4.960	0.197
134	THOMAS E. DAHLKE	FEE	0.155	0	0.155	0
138	RJR VENTURES, LLC	FEE, ACCESS RIGHTS, TLE	0.149	0	0.149	0.147
139	DAVID WATTERS	FEE, ACCESS RIGHTS, TLE	2.688	0	2.688	0.512

UTILITY INTERESTS REQUIRED:

919	WE ENERGIES - ELECTRIC	RELEASE OF RIGHTS
922	AT&T WISCONSIN	RELEASE OF RIGHTS

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2 OF TRANSPORTATION PROJECT PLAT NO. 1146-75-22- 4.01, AS DOCUMENT #2016623 FOR ADDITIONAL INFORMATION.



BASIS OF EXISTING HIGHWAY R/W

ROUTE	BASIS	YEAR
STH 15	TPP 6430-06-00-4.09	2011
	TPP 6430-06-00-4.10	2011

EXISTING ACCESS CONTROL: PROJECT 1146-01-21

CURVE TABLE

FROM POINT	TO POINT	RADIUS	ARC LENGTH	CHORD BEARING	CHORD LENGTH
9115	9116	3819.73'	87.37'	N74°20'48"W	87.37'

COORDINATE TABLE

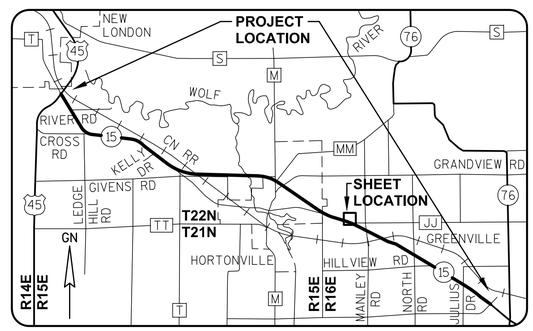
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9508	587993.527	774811.975
9509	587359.706	776018.951
9510	587469.967	774718.539
9511	587241.646	774913.140

APPROVED FOR USE OF UTILITY ADJUSTMENTS OCTOBER 2019

WISCONSIN
DAVID L. ROBERTS
S-1725
STEVENS POINT
WI
LAND SURVEYOR

COURSE TABLE

FROM POINT	TO POINT	BEARING	DISTANCE
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9105	9097	N00°32'10"E	67.90'
9097	9083	N00°32'10"E	55.60'
9083	9082	N00°32'10"E	354.07'
9082	9107	S62°17'41"E	1487.54'
9107	9108	S00°19'50"W	114.40'
9108	9109	S00°19'50"W	37.65'
9109	9113	N89°01'49"W	400.07'
9113	9114	N62°17'41"W	216.55'
9114	9115	N16°18'31"E	60.22'
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364	9509	S89°01'49"E	1212.89'



GREMMER & ASSOCIATES, INC.
CONSULTING ENGINEERS
Stevens Point • Fond du Lac

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DATE 5/02/2016 DAVID L. ROBERTS
RLS S-1725, FOR GREMMER & ASSOCIATES, INC.

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION.

DATE 5/08/2019 CURT VAN EREM
REAL ESTATE SUPERVISOR

040437_15.DWG REVISED: 05/02/2016

APPRAISAL PLAT DATE:

2067034

Recorded

March 07, 2016 11:25 AM

OUTAGAMIE COUNTY
SARAH R VAN CAMP
REGISTER OF DEEDS

Fee Amount: $30.00
Total Pages: 1

Document Number
AFFIDAVIT OF CORRECTION
TRANSPORTATION PROJECT PLAT

Wisconsin Department of Transportation
s.84.095(3)(b) Wis. Stats.
DT1590 8/2006

This Affidavit of Correction applies to Transportation Project Plat 1146-75-22-4.37, recorded in Document # 2019930 in the Office of the Register of Deeds for Outagamie County.

The owner of Parcel 134 was shown on the original TPP (recorded on 07-15-2014) as Gail M. Puls Etal. The correct current owner of Parcel 134 should instead be Thomas E. Dahlke.

(1)

This space is reserved for recording data

Return to

Wisconsin Department of Transportation
944 Vanderperren Way
Green Bay, WI 54304

Attn: Real Estate

Parcel Identification Number/Tax Key Number
080079300

KRISTIN M. SCHRADER NOTARY PUBLIC STATE OF WISCONSIN

I certify that I represent the entity, which prepared or submitted the original plat.
This Affidavit of Correction has been approved by the Wisconsin Department of Transportation.

Carolyn J. Sampson
(Signature)

Carolyn J. Sampson
(Print Name)

Right of Way Plat Coordinator
(Title)

Subscribed and sworn to before me this date.

3/3/2016
(Date)

State of Wisconsin)
) ss.
Brown County)

Kristin M Schrader
(Signature, Notary Public, State of Wisconsin)

Kristin M Schrader
(Print or Type Name, Notary Public, State of Wisconsin)

10/7/2017
(Date Commission Expires)

Seal(s)

Project ID 1146-75-22 This instrument was drafted by WisDOT Parcel No. 134

TRANSPORTATION PROJECT PLAT NO: 1146-75-22 - 4.37

PART OF THE SW1/4-SE1/4 OF SECTION 31, T22N, R16E, IN THE TOWN OF ELLINGTON, OUTAGAMIE COUNTY, WISCONSIN

RELOCATION ORDER - STH 15 (LILY OF THE VALLEY DRIVE - USH 45), OUTAGAMIE COUNTY

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE NAMED PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SUBSECTION 84.02 (3), 84.09 AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:
1) THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE NAMED PROJECT.
2) THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SUBSECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2 OF TRANSPORTATION PROJECT PLAT NO. 1146-75-22- 4.01, AS DOCUMENT #2016623 FOR ADDITIONAL INFORMATION.

Document #: **2019930**
Date: **07-15-2014** Time: **08:38 AM** Pages: **1**
Fee: **$25.00** County: **OUTAGAMIE** State: **WI**

SARAH R VAN CAMP
REGISTER OF DEEDS
The above recording information verifies this document has been electronically recorded and returned to the submitter

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1146-75-22- 4.37
AMENDMENT NO:

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.

PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	R/W ACRES REQUIRED NEW	EXISTING	TOTAL	TLE ACRES TEMP.
133	RUTH M. YOUNG	FEE, ACCESS RIGHTS, TLE	4.960	0	4.960	0.197
134	THOMAS E. DAHLKE	FEE	0.155	0	0.155	0
138	RJR VENTURES, LLC	FEE, ACCESS RIGHTS, TLE	0.149	0	0.149	0.147
139	DAVID WATTERS	FEE, ACCESS RIGHTS, TLE	2.688	0	2.688	0.512

UTILITY INTERESTS REQUIRED:

919	WE ENERGIES - ELECTRIC	RELEASE OF RIGHTS
922	AT&T WISCONSIN	RELEASE OF RIGHTS

BASIS OF EXISTING HIGHWAY R/W

ROUTE	BASIS	YEAR
STH 15	TPP 6430-06-00-4.09	2011
	TPP 6430-06-00-4.10	2011

EXISTING ACCESS CONTROL: PROJECT 1146-01-21

CURVE TABLE

FROM POINT	TO POINT	RADIUS	ARC LENGTH	CHORD BEARING	CHORD LENGTH
9115	9116	3819.73'	87.37'	N74°20'48"W	87.37'

COORDINATE TABLE

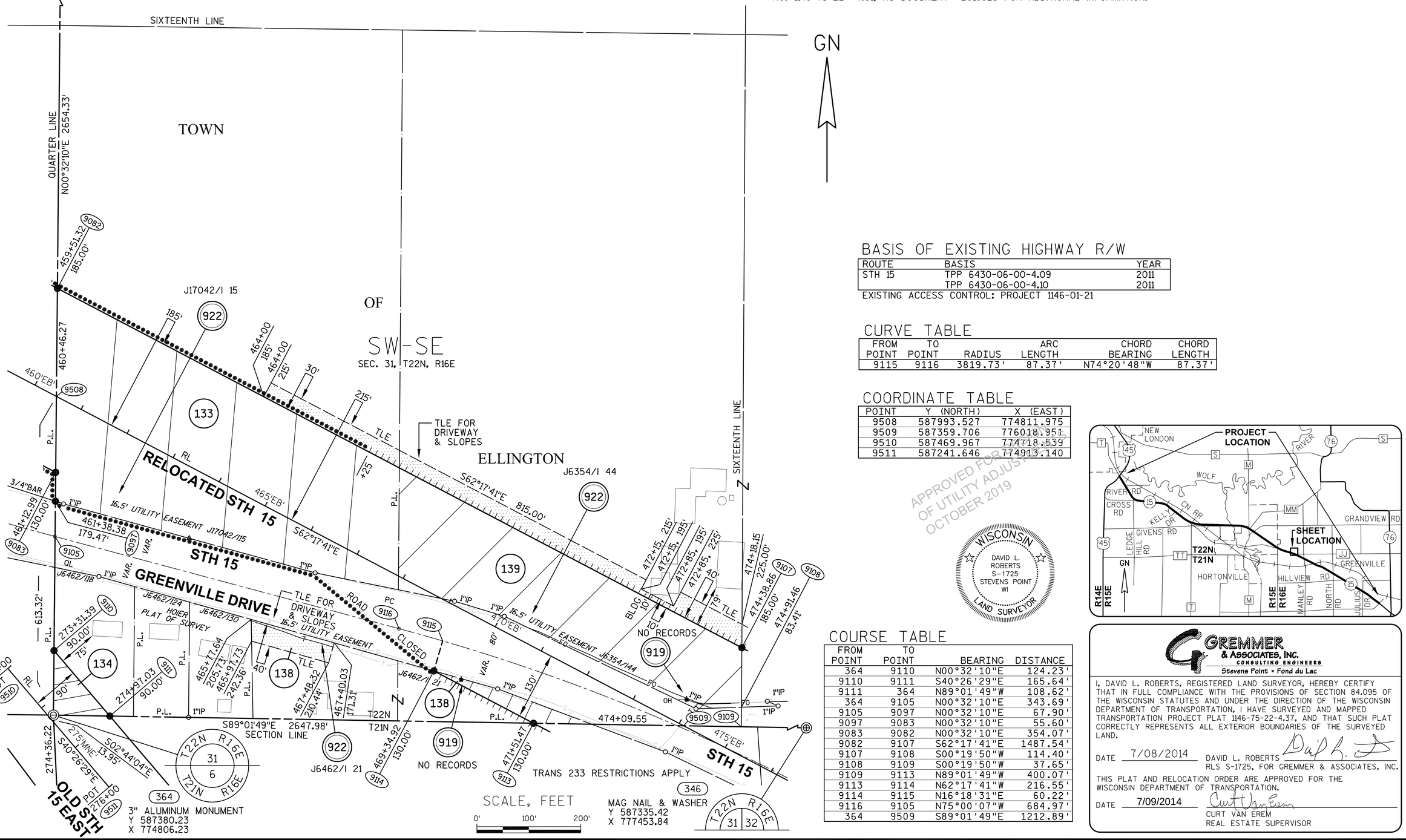
POINT	Y (NORTH)	X (EAST)
9508	587993.527	774811.975
9509	587359.706	776018.951
9510	587469.967	774718.539
9511	587241.646	774913.140

APPROVED FOR UTILITY ADJUSTMENT OCTOBER 2019

WISCONSIN
DAVID L. ROBERTS
S-1725
STEVENS POINT
WI
LAND SURVEYOR

COURSE TABLE

FROM POINT	TO POINT	BEARING	DISTANCE
364	9110	N00°32'10"E	124.23'
9110	9111	S40°26'29"E	165.64'
9111	364	N89°01'49"W	108.62'
364	9105	N00°32'10"E	343.69'
9105	9097	N00°32'10"E	67.90'
9097	9083	N00°32'10"E	55.60'
9083	9082	N00°32'10"E	354.07'
9082	9107	S62°17'41"E	1487.54'
9107	9108	S00°19'50"W	114.40'
9108	9109	S00°19'50"W	37.65'
9109	9113	N89°01'49"W	400.07'
9113	9114	N62°17'41"W	216.55'
9114	9115	N16°18'31"E	60.22'
9116	9105	N75°00'07"W	684.97'
364	9509	S89°01'49"E	1212.89'



GREMMER & ASSOCIATES, INC.
CONSULTING ENGINEERS
Stevens Point • Fond du Lac

I, DAVID L. ROBERTS, REGISTERED LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION, I HAVE SURVEYED AND MAPPED TRANSPORTATION PROJECT PLAT 1146-75-22-4.37, AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

DATE 7/08/2014 DAVID L. ROBERTS
RLS S-1725, FOR GREMMER & ASSOCIATES, INC.

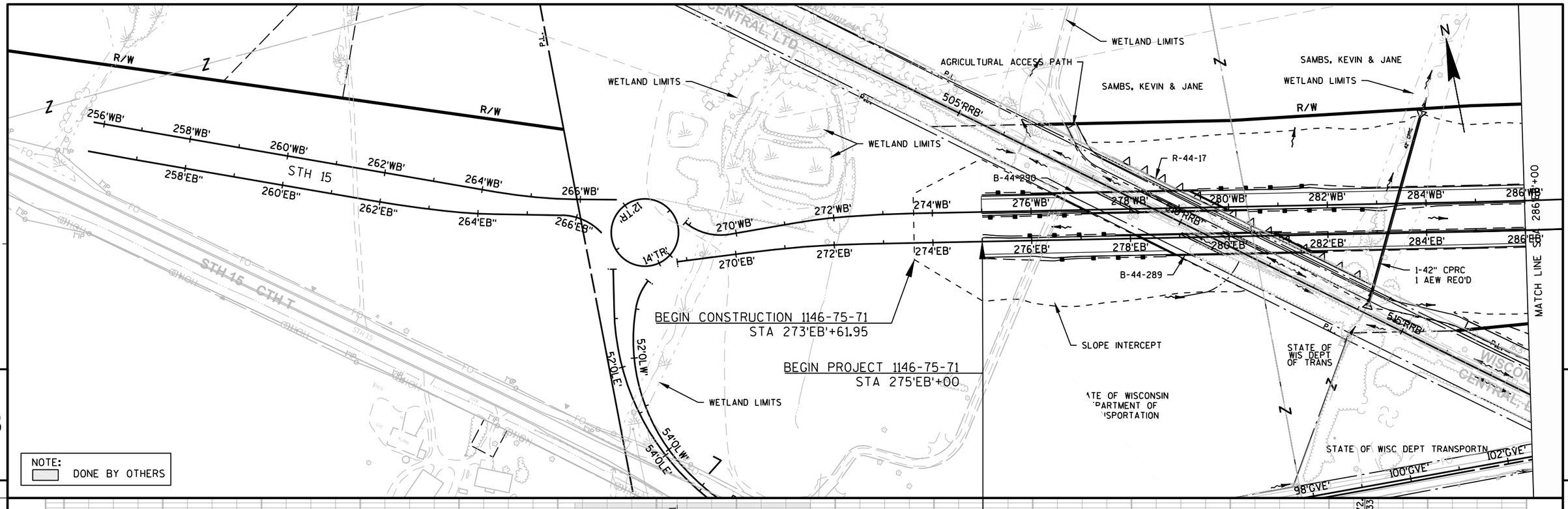
THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION.

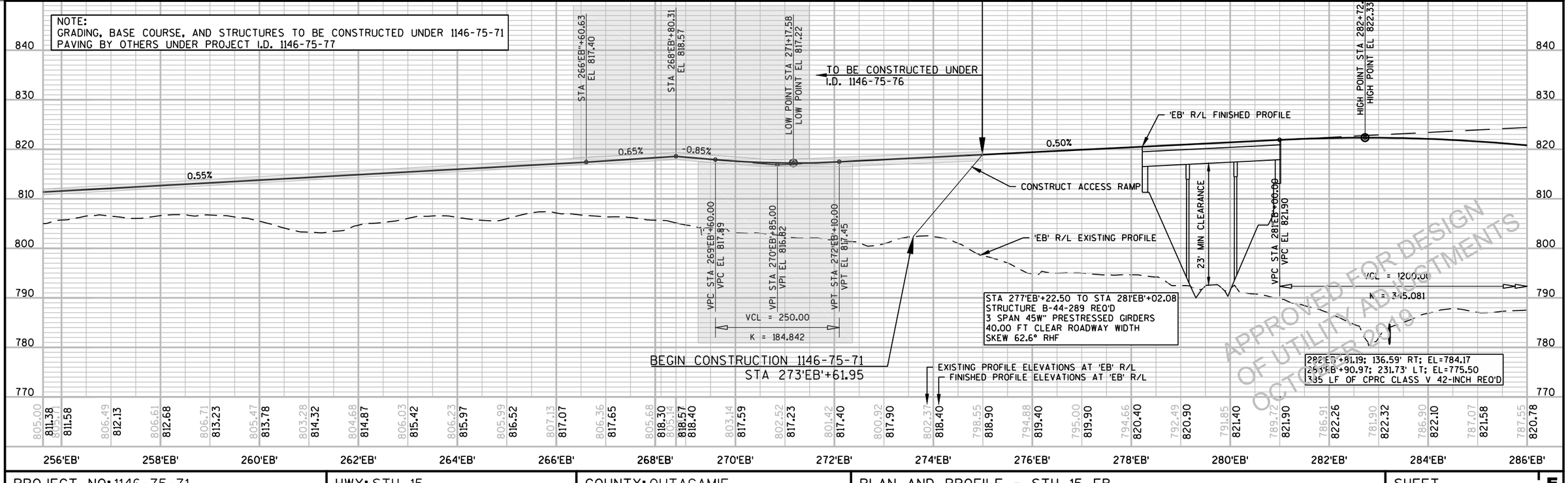
DATE 7/09/2014 CURT VAN EREM
REAL ESTATE SUPERVISOR

040437_15.DWG REVISED: 07/08/2014

APPRAISAL PLAT DATE:

PRE_111





PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	PLAN AND PROFILE - STH 15 EB	SHEET E

PRE_112

EXIST. DRAIN TILE OUTFALL (AT STREAM)
6" DIA. CONC. 761.20

SAMBS, KEVIN & JANE

WETLAND LIMITS

POND OVERFLOW

PARTIKA, PAUL RICHARD

TLE

PARTIKA ACCESS PATH

PARTIKA, IRVING J & GENEVRA

ECO PASSAGE STRUCTURE
SEE CONSTRUCTION DETAILS

R/W

MATCHLINE 286'EB'+00

MATCH LINE STA 316'EB'+00

STH 15

8' MIN. (TYP.)

SLOPE INTERCEPT
(TYP.)

1-36" CPRC
2 AEW REQ'D

2-60" CPRC
4 AEW REQ'D

1-30" CPRC
2 AEW REQ'D

EXIST. DRAIN TILE OUTFALL
4" DIA. PVC
INV. 776.82

RECONNECT 6" PIPE UNDERDRAIN
FIELD VERIFY DIA. AND INV.

1-29"X45" CPRCHE
2 AEW REQ'D

6" PIPE UNDERDRAIN OUTFALL
INV. 770.00

EXIST. DRAIN TILE
6" DIA. CONC.
INV. 775.73

PLE

16.5' UTILITY EASEMENT DOC. 1160687

GIVENS ROAD

GIVENS RD

520'RRB'

SAMBS.
KEVIN

5

5

NOTE:
GRADING, BASE COURSE, AND STRUCTURES TO BE CONSTRUCTED UNDER 1146-75-71
PAVING BY OTHERS UNDER PROJECT I.D. 1146-75-77

VCL = 1000.00
K = 381.233

'EB' R/L FINISHED PROFILE

VPI STA 287'EB'+00.00
VPI EL 824.900

VPC STA 296'EB'+50.00
VPC EL 796.61

VPT STA 293'EB'+00.00
VPT EL 807.04

VPI STA 301'EB'+50.00
VPI EL 781.73

VPT STA 306'EB'+50.00
VPT EL 779.96

-2.98%

288'EB'+51.69; 146.17' RT; EL=781.00
290'EB'+26.22; 215.94' LT; EL=772.80
402 LF OF CPRC CLASS V 36-INCH REQ'D

309'EB'+00.00; 45.11' RT; EL=773.80
309'EB'+00.00; 25.00' LT; EL=772.68
70 LF OF CPRCHE CLASS HE-IV 29x45-INCH REQ'D

'EB' R/L EXISTING PROFILE

VCL = 1200.00
K = 345.081

297'EB'+21.61; 108.84' RT; EL=768.00
297'EB'+21.38; 193.07' LT; EL=767.70
302 LF OF CPRC CLASS IV 60-INCH REQ'D

297'EB'+29.53; 108.82' RT; EL=768.00
297'EB'+29.50; 193.09' LT; EL=767.70
302 LF OF CPRC CLASS IV 60-INCH REQ'D

301'EB'+96.71; 67.01' RT; EL=774.80
302'EB'+97.61; 143.96' LT; EL=769.20
234 LF OF CPRC CLASS III 30-INCH REQ'D

EXISTING PROFILE ELEVATIONS AT 'EB' R/L
FINISHED PROFILE ELEVATIONS AT 'EB' R/L

APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS
OCTOBER 2019

286'EB'	288'EB'	290'EB'	292'EB'	294'EB'	296'EB'	298'EB'	300'EB'	302'EB'	304'EB'	306'EB'	308'EB'	310'EB'	312'EB'	314'EB'	316'EB'
787.55	820.78	786.91	819.68	785.56	818.30	781.10	816.63	779.56	814.66	784.74	812.41	782.80	809.87	781.56	807.04
780.84	804.06	780.22	801.08	777.43	798.10	764.34	795.16	777.11	792.44	778.46	789.99	777.82	787.80	776.32	785.87
773.46	784.21	773.68	782.80	774.27	781.66	774.18	780.78	774.10	780.17	773.71	779.78	773.98	779.42	773.83	779.07
773.91	778.71	774.51	778.36	774.37	778.01	774.59	777.65	774.40	777.30	774.83	776.94	774.72	776.59		

PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	PLAN AND PROFILE - STH 15 EB	SHEET E

PRE_113

FILE NAME : N:\PDS\C3D\11467571\SHEETSPLAN\11467571\11467571_050101_PP(EB).DWG
LAYOUT NAME - 050102-PP(EB)

PLOT DATE : 10/15/2019 11:37 AM PLOT BY : SIMMONS, MASON A PLOT NAME : PLOT SCALE : 1 IN: 200 FT_XREF

MATCH LINE STA 316'EB'+00

MATCH LINE STA 346'EB'+00

5

5

33' INGRESS/EGRESS EASEMENT DOC. 1353074

24.75' ADVERSE POSSESSION DOC. 1696102

PARTIKA, IRVING J & GENEVRA

SYKES, JAMES I & MARIANN D

PARKER, DON E & MARGARET E

N

R/W

318'WB' 320'WB' 322'WB' 324'WB' 326'WB' 328'WB' 330'WB' 332'WB' 334'WB' 336'WB' 338'WB' 340'WB' 342'WB' 344'WB'

STH 15

318'EB' 320'EB' 322'EB' 324'EB' 326'EB' 328'EB' 330'EB' 332'EB' 334'EB' 336'EB' 338'EB' 340'EB' 342'EB' 344'EB'

B-44-296

B-44-295

SLOPE INTERCEPT (TYP.)

2-30" CPRC
1 MH 5J REO'D
4 AEW REO'D

EXIST. DRAIN TILE OUTFALL
6" DIA. STEEL
INV. 771.27
FIELD VERIFY DIA., INV., AND REMOVAL LIMITS
RECONNECT TO EXISTING

2-30" CPRC
1 INL MEDIAN 1G REO'D
4 AEW REO'D

REMOVING OLD STRUCTURE OVER WATERWAY
WITH MINIMAL DEBRIS STA. 339+40

BLACK OTTER CREEK

PROPOSED CREEK REALIGNMENT

WETLAND LIMITS (TYP)

60' UTILITY EASEMENT V754/P393

60' UTILITY EASEMENT V754/P381

NOTE:
GRADING, BASE COURSE, AND STRUCTURES TO BE CONSTRUCTED UNDER 1146-75-71
PAVING BY OTHERS UNDER PROJECT I.D. 1146-75-77

VCL = 500.00
K = 3490.124

VCL = 2400.00
K = 686.177

VPC STA 334'EB'+00.00
VPC EL 770.21

VPI STA 336'EB'+50.00
VPI EL 769.324

VPT STA 339'EB'+00.00
VPT EL 768.08

VPC STA 344'EB'+10.00
VPC EL 765.54

333'EB'+59.63; 73.65' RT; EL=759.10
333'EB'+55.89; 135.93' LT; EL=758.40
210 LF OF CPRC CLASS III 30-INCH REO'D

333'EB'+53.63; 73.76' RT; EL=759.10
333'EB'+49.89; 135.79' LT; EL=758.40
210 LF OF CPRC CLASS III 30-INCH REO'D

EXISTING 24" CPCM
TO BE REMOVED

-0.35%

'EB' R/L FINISHED PROFILE

'EB' R/L EXISTING PROFILE

-0.50%

MARSH EXCAVATION PROFILE

320'EB'+00.89; 46.80' RT; EL=769.80
319'EB'+94.32; 29.75' LT; EL=769.14
74 LF OF CPRC CLASS IV 30-INCH REO'D

320'EB'+06.87; 46.32' RT; EL=769.80
319'EB'+93.00; 115.38' LT; EL=768.40
162 LF OF CPRC CLASS IV 30-INCH REO'D

STA 339'EB'+39 TO STA 340'EB'+81
STRUCTURE B-44-295 REQ'D
HAUNCHED CONCRETE SPAN
40.00 FT CLEAR ROADWAY WIDTH
SKEW 5° RHF

APPROVED FOR PRELIMINARY DESIGN OF UTILITY ADJUSTMENTS OCTOBER 2019

EXISTING PROFILE ELEVATIONS AT 'EB' R/L
FINISHED PROFILE ELEVATIONS AT 'EB' R/L

316'EB'	318'EB'	320'EB'	322'EB'	324'EB'	326'EB'	328'EB'	330'EB'	332'EB'	334'EB'	336'EB'	338'EB'	340'EB'	342'EB'	344'EB'	346'EB'
774.72	773.61	773.52	773.58	773.31	773.37	771.95	772.06	772.05	771.44	770.26	769.25	765.99	763.54	763.05	763.09	762.29	759.79	759.45	759.33	759.13	759.34	759.66	760.18	758.29	759.27	758.82	758.77	758.91	759.28	760.02
776.59	776.23	775.88	775.53	775.17	774.82	774.46	774.11	773.75	773.40	773.04	772.69	772.34	771.98	771.63	771.27	770.92	770.56	770.21	769.84	769.44	769.02	768.56	768.08	767.58	767.08	766.59	766.09	765.59	765.15	764.86

PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	PLAN AND PROFILE - STH 15 EB	SHEET E

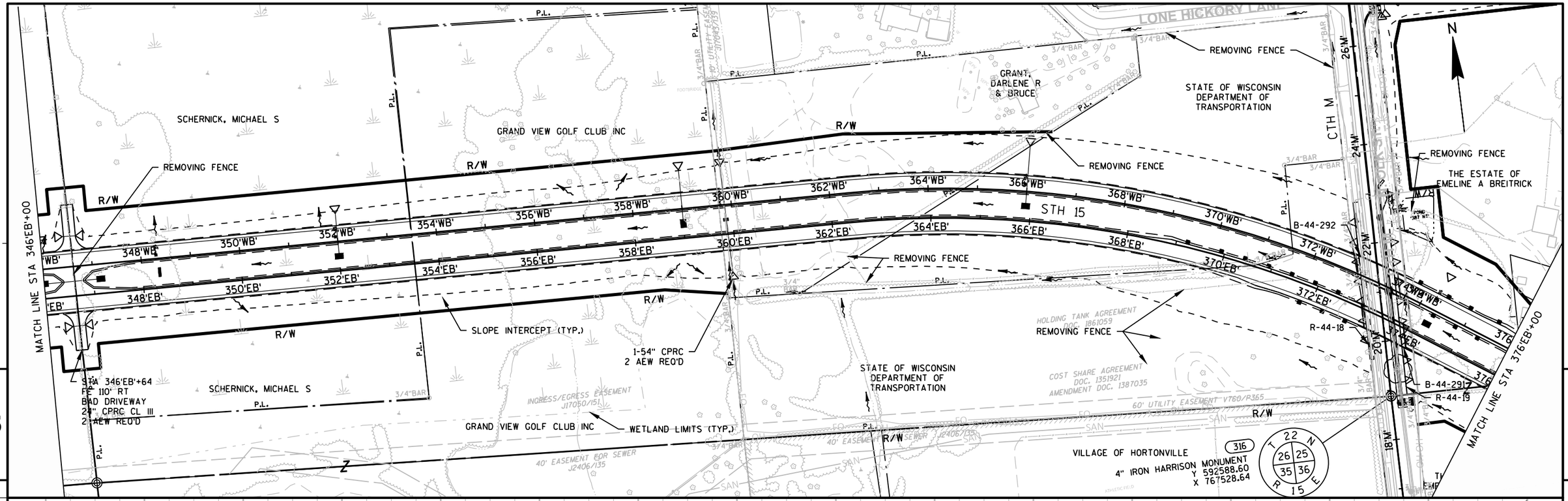
PRE_114

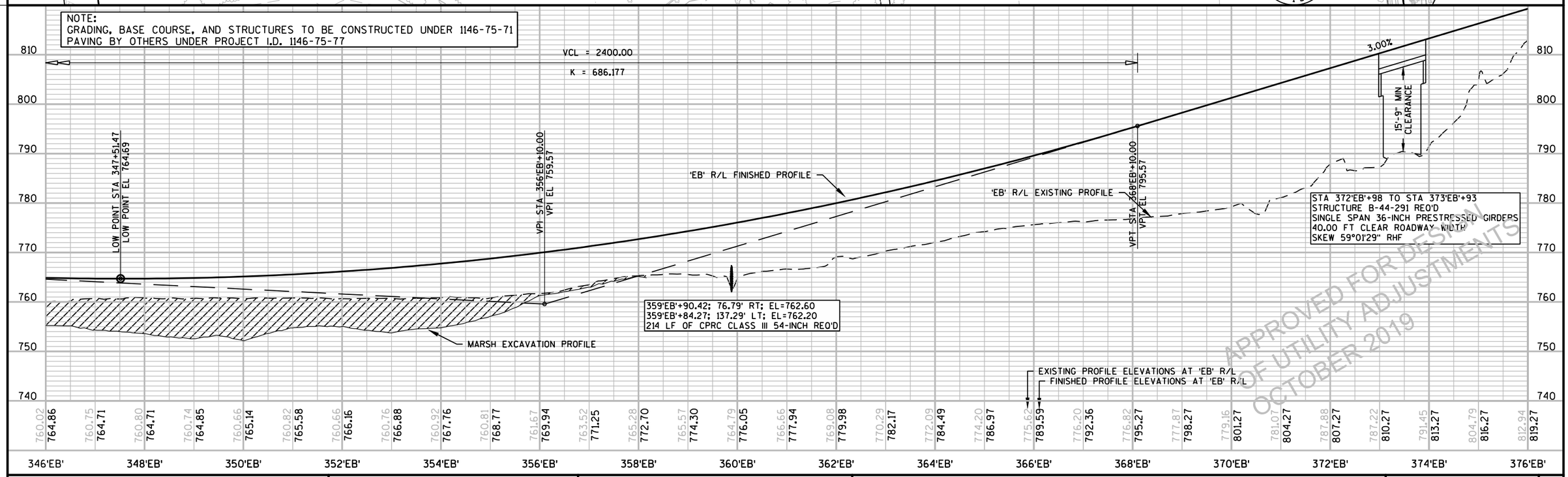
FILE NAME : N:\PDS\C3D\11467571\SHEETSPLAN\11467571\11467571_050101_PP (EB).DWG
LAYOUT NAME - 050103-PP (EB)

PLOT DATE : 10/15/2019 11:38 AM PLOT BY : SIMMONS, MASON A PLOT NAME :

PLOT SCALE : 1 IN: 200 FT_XREF

WISDOT/CADDS SHEET 44





PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	PLAN AND PROFILE - STH 15 EB	SHEET E

PRE_115

MATCH LINE STA 376'EB'+00

MATCH LINE STA 406'EB'+00

5

5

HEYES, EDWARD K & LINDA F

OBLITERATE OLD ROAD

THE ESTATE OF EMELINE A BREITRICK

KLOEHN, JANICE R

KLITZKE, LARRY L & WF

MULROY, BARRY J

CAPTAIN, PAUL J

CAPTAIN, PAUL A

NASH HILLS LLC

DODD, DARIN & MICHEL

PROPOSED POND '387 LT'

B-44-294

BREITRICK, MARK

SARGENT, NICHOLAS D

HOEISCH, DONALD G & GERALD N

R/W

CAUTION

REMOVING FENCE

1-36" CPRC
2 AEW REQ'D

STH 15

112'NSH'

114'NSH'

108'NSH'

106'NSH'

NASH ST

CREST ST

12'NCR'

R-44-20

R-44-21

B-44-293

SLOPE INTERCEPT (TYP.)

PROPOSED POND '387 RT'

THE ESTATE OF EMELINE A BREITRICK

RIEHL, THOMAS R

POLACEK, ANTON & BRENDA SUE

FINK, KEITH A

BAKER, MARTIN M & JANICE M

JUSTMANN, DAVID A & LINDA D

TESSEN,

CLOSE, KENNETH L & DONNA J

POND '394'

POND '402'

PROPOSED POND '394'

PROPOSED POND '402'

1-24" CPRC
1 INLET 2G-MS REQ'D
1 AEW REQ'D

1-12" CPRC
2 AEW REQ'D

1-18" CPRC
1 INL MEDIAN 2G REQ'D
1 AEW REQ'D

HORTONVILLE SCHOOL DISTRICT

HOEWISCH, WALMER/MAX REV

12' UTILITY EASEMENT DOC. 1315677

WELL AGREEMENT

VCL = 2000.00

K = 469.218

VCL = 1000.00

K = 408.080

NOTE:
GRADING, BASE COURSE, AND STRUCTURES TO BE CONSTRUCTED UNDER 1146-75-71
PAVING BY OTHERS UNDER PROJECT I.D. 1146-75-77

STA 388'EB'+63 TO STA 389'EB'+57
STRUCTURE B-44-293 REQ'D
SINGLE SPAN 36-INCH PRESTRESSED GIRDERS
40.00 FT CLEAR ROADWAY WIDTH
SKEW 4.5° RHF

VPC STA 378'EB'+00.00
VPC EL 825.27

VPI STA 388'EB'+00.00
VPI EL 855.270

VPT STA 398'EB'+00.00
VPT EL 842.65

VPC STA 398'EB'+50.00
VPC EL 842.01

VPI STA 403'EB'+50.00
VPI EL 835.70

'EB' R/L EXISTING PROFILE

'EB' R/L FINISHED PROFILE

16'-10" MIN CLEARANCE

HIGH POINT STA 392+07.65
HIGH POINT EL 846.38

-1.26%

LOW POINT STA 403+65.17
LOW POINT EL 838.76

402'EB'+00.00; 117.55' LT; EL=831.00
402'EB'+00.00; 63.41' RT; EL=828.90
181 LF OF CPRC CLASS III 36-INCH REQ'D

403'EB'+79.00; 30.42' LT; EL=829.00
403'EB'+79.00; 83.90' RT; EL=823.00
114 LF OF CPRC CLASS III 18-INCH REQ'D

392'EB'+28.42; 177.36' LT; EL=820.60
392'EB'+28.41; 157.69' RT; EL=804.80
336 LF OF CPRC CLASS V 36-INCH REQ'D

EXISTING PROFILE ELEVATIONS AT 'EB' R/L
FINISHED PROFILE ELEVATIONS AT 'EB' R/L

880 870 860 850 840 830 820 810

376'EB'	378'EB'	380'EB'	382'EB'	384'EB'	386'EB'	388'EB'	390'EB'	392'EB'	394'EB'	396'EB'	398'EB'	400'EB'	402'EB'	404'EB'	406'EB'
812.94	819.27	820.74	822.27	824.01	825.27	828.73	828.16	832.67	830.84	837.41	833.31	844.18	835.57	847.65	837.61	843.62	839.43	838.18	841.05	836.60	842.45	828.84	843.64	823.24	844.61	824.11	845.38	820.32	845.93	818.38	846.26	814.30	846.38	814.34	846.29	821.07	845.99	828.00	845.47	821.52	844.74	819.84	843.80	821.91	842.65	822.87	841.41	825.24	840.40	829.21	839.62	831.02	839.10	832.89	838.81	836.44	838.78	836.14	838.99	837.66	839.44

APPROVED FOR DESIGN OF UTILITY ADJUSTMENTS OCTOBER 2019

PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	PLAN AND PROFILE - STH 15 EB	SHEET E

FILE NAME : N:\PDS\C3D\11467571\SHEETSPLAN\11467571\11467571_050101_PP(EB).DWG
LAYOUT NAME - 050105-PP(EB)
PLOT DATE : 10/15/2019 11:40 AM PLOT BY : SIMMONS, MASON A PLOT NAME :
PLOT SCALE : 1 IN: 200 FT_XREF
WISDOT/CADDS SHEET 44

MATCH LINE STA 406'EB'+00

MATCH LINE STA 436'EB'+00

5

5

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

MURPHY, MICHAEL J & MARY L

MURPHY, MARY L

VILLAGE OF HORTONVILLE

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

MURPHY, MARY L

HOIER, DONALD & BONNIE

TRUST

R/W

P.L.

STH 15

408'WB' 410'WB' 412'WB' 414'WB' 416'WB' 418'WB' 420'WB' 422'WB' 424'WB' 426'WB' 428'WB' 430'WB' 432'WB' 434'WB'

408'EB' 410'EB' 412'EB' 414'EB' 416'EB' 418'EB' 420'EB' 422'EB' 424'EB' 426'EB' 428'EB' 430'EB' 432'EB' 434'EB'

REMOVING FENCE

SLOPE INTERCEPT (TYP.)

1-18" CPRC
1 INL MEDIAN 4G REQ'D
1 AEW REQ'D

1-15" CPRC
1 INL MEDIAN 2G REQ'D
1 AEW REQ'D

1-42" CPRC
2 AEW REQ'D

1-18" CPRC
1 INL MEDIAN 2G REQ'D
1 AEW REQ'D

REMOVE WASTE MATERIAL
SEE CONSTRUCTION DETAIL

NOTE:
GRADING, BASE COURSE, AND STRUCTURES TO BE CONSTRUCTED UNDER 1146-75-71
PAVING BY OTHERS UNDER PROJECT I.D. 1146-75-77

VCL = 1000.00
K = 408.080

VCL = 1000.00
K = 401.599

VCL = 1000.00
K = 517.057

VPT STA 408'EB'+50.00
VPT EL 841.64

VPC STA 410'EB'+75.00
VPC EL 844.32

VPI STA 415'EB'+75.00
VPI EL 850.267

VPT STA 420'EB'+75.00
VPT EL 843.76

VPC STA 426'EB'+88.46
VPC EL 835.76

VPI STA 431'EB'+88.46
VPI EL 829.25

LOW POINT STA 433+61.65
LOW POINT EL 831.38

'EB' R/L EXISTING PROFILE

'EB' R/L FINISHED PROFILE

1.19%

-1.30%

410'EB'+50.00; 17.90' LT; EL=840.01
410'EB'+50.00; 50.04' RT; EL=838.74
68 LF OF CPRC CLASS IV 18-INCH REQ'D

HIGH POINT STA 415+52.13
HIGH POINT EL 847.15

EXISTING PROFILE ELEVATIONS AT 'EB' R/L
FINISHED PROFILE ELEVATIONS AT 'EB' R/L

432'EB'+00.00; 29.99' LT; EL=820.00
432'EB'+00.00; 96.57' RT; EL=819.10
126 LF OF CPRC CLASS III 18-INCH REQ'D

430'EB'+72.12; 151.72' LT; EL=815.00
430'EB'+95.36; 98.87' RT; EL=813.20
252 LF OF CPRC CLASS III 42-INCH REQ'D

LANDFILL
EXCAVATION PROFILE

880 870 860 850 840 830 820 810

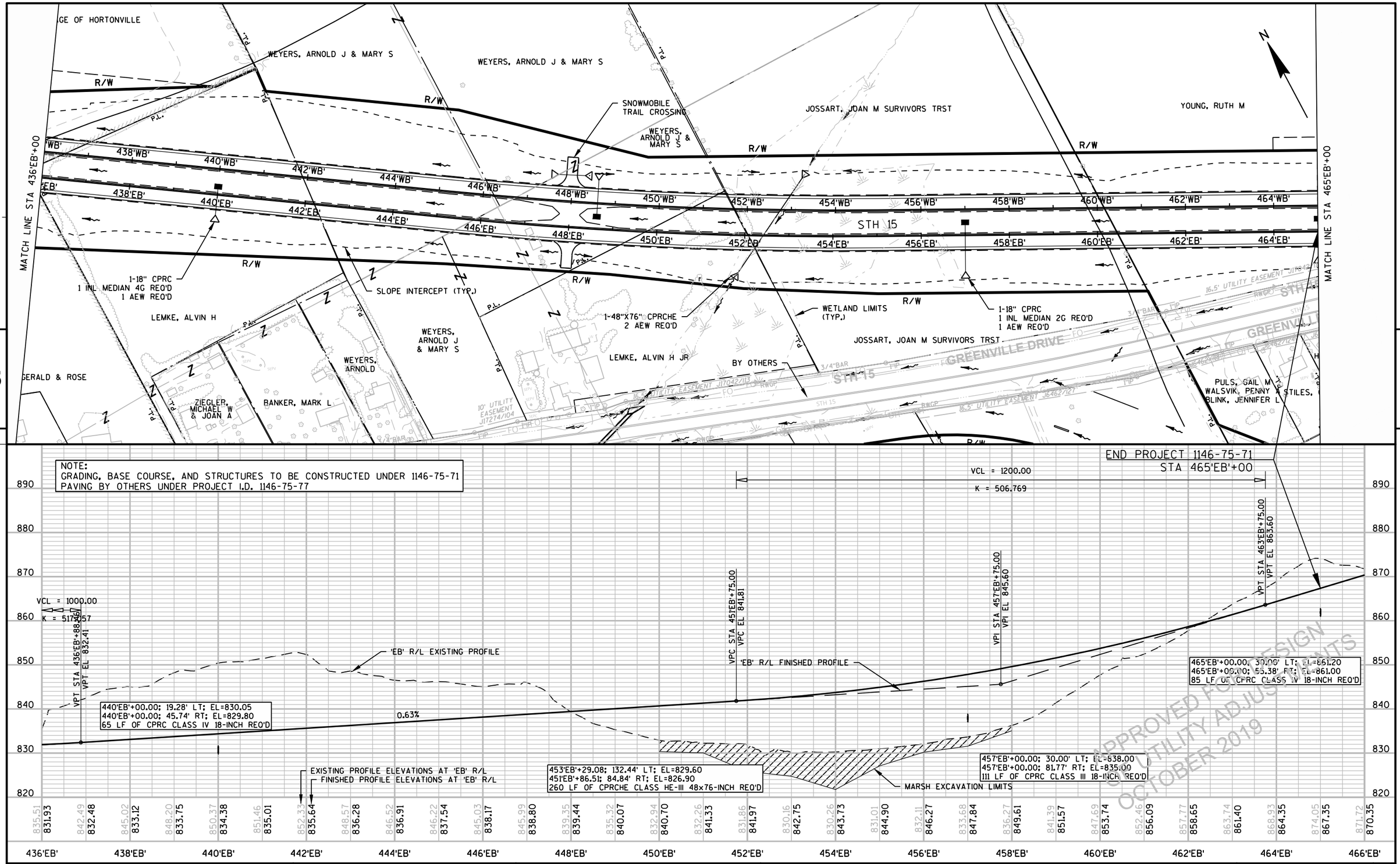
837.66 839.44 | 839.73 840.14 | 838.54 841.08 | 841.42 842.24 | 847.44 843.43 | 854.18 844.61 | 858.18 845.61 | 861.91 846.36 | 863.72 846.86 | 869.17 847.12 | 872.03 847.12 | 876.96 846.88 | 877.06 846.39 | 875.13 845.64 | 872.12 844.65 | 872.33 843.42 | 872.46 842.12 | 872.95 840.82 | 870.72 839.52 | 864.09 838.21 | 852.44 836.91 | 835.99 835.61 | 827.70 834.43 | 822.76 833.44 | 817.88 832.64 | 815.99 832.04 | 819.89 831.63 | 828.31 831.41 | 832.77 831.39 | 832.36 831.56 | 835.51 831.93

406'EB' 408'EB' 410'EB' 412'EB' 414'EB' 416'EB' 418'EB' 420'EB' 422'EB' 424'EB' 426'EB' 428'EB' 430'EB' 432'EB' 434'EB' 436'EB'

APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS
OCTOBER 2019

PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	PLAN AND PROFILE - STH 15 EB	SHEET E

FILE NAME : N:\PDS\C3D\11467571\SHEETSPLAN\11467571\11467571_050101_PP (EB).DWG
LAYOUT NAME - 050106-PP (EB)
PLOT DATE : 10/15/2019 11:41 AM PLOT BY : SIMMONS, MASON A PLOT NAME :
PLOT SCALE : 1 IN: 200 FT_XREF
WISDOT/CADDS SHEET 44



NOTE:
GRADING, BASE COURSE, AND STRUCTURES TO BE CONSTRUCTED UNDER 1146-75-71
PAVING BY OTHERS UNDER PROJECT I.D. 1146-75-77

END PROJECT 1146-75-71
STA 465'EB'+00

VCL = 1200.00
K = 506.769

VCL = 1000.00
K = 517.457

VPT STA 436'EB'+88.59
VPT EL 832.41

VPC STA 451'EB'+75.00
VPC EL 841.81

VPI STA 457'EB'+75.00
VPI EL 845.60

VPT STA 463'EB'+75.00
VPT EL 863.60

'EB' R/L EXISTING PROFILE

'EB' R/L FINISHED PROFILE

440'EB'+00.00; 19.28' LT; EL=830.05
440'EB'+00.00; 45.74' RT; EL=829.80
65 LF OF CPRC CLASS IV 18-INCH REQ'D

0.63%

EXISTING PROFILE ELEVATIONS AT 'EB' R/L
FINISHED PROFILE ELEVATIONS AT 'EB' R/L

453'EB'+29.08; 132.44' LT; EL=829.60
451'EB'+86.51; 84.84' RT; EL=826.90
260 LF OF CPRCHE CLASS HE-III 48x76-INCH REQ'D

MARSH EXCAVATION LIMITS

457'EB'+00.00; 30.00' LT; EL=838.00
457'EB'+00.00; 81.77' RT; EL=835.00
111 LF OF CPRC CLASS III 18-INCH REQ'D

465'EB'+00.00; 30.00' LT; EL=861.20
465'EB'+00.00; 53.38' RT; EL=861.00
85 LF OF CPRC CLASS IV 18-INCH REQ'D

APPROVED FOR DESIGN
ONLY UTILITY ADJUSTMENTS
OCTOBER 2019

890 880 870 860 850 840 830 820

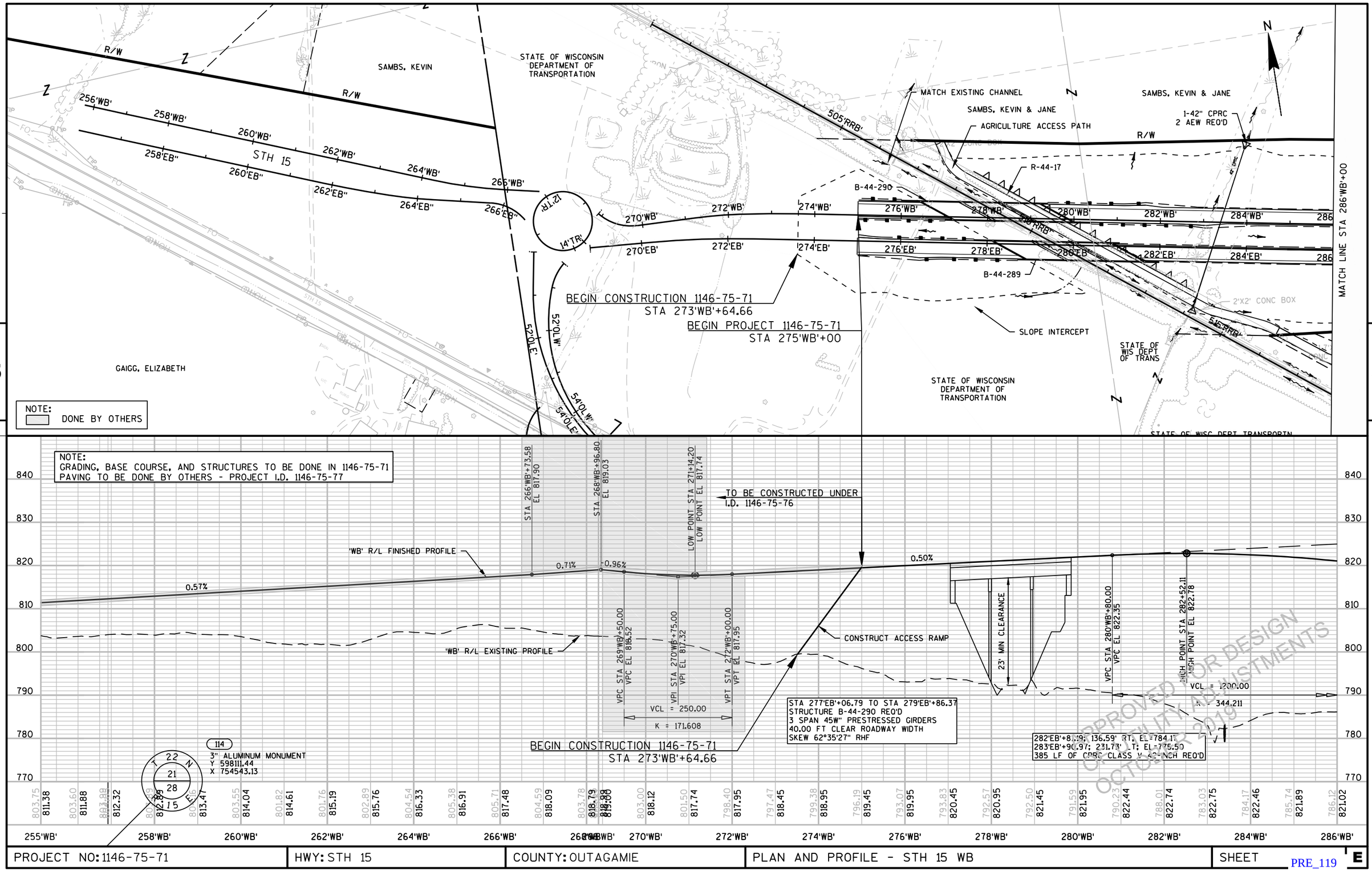
835.51 831.93 842.49 832.48 845.02 833.12 848.20 833.75 850.37 834.38 851.46 835.01 852.33 835.64 848.57 836.28 846.52 836.91 846.22 837.54 845.03 838.17 845.99 838.80 839.35 839.44 835.32 840.07 832.94 840.70 832.26 841.33 831.86 841.97 830.16 842.75 830.26 843.73 831.01 844.90 832.11 846.27 833.68 847.84 836.27 849.61 841.39 851.57 847.69 853.74 852.46 856.09 857.77 858.65 863.74 861.40 868.93 864.35 874.05 867.35 871.72 870.35

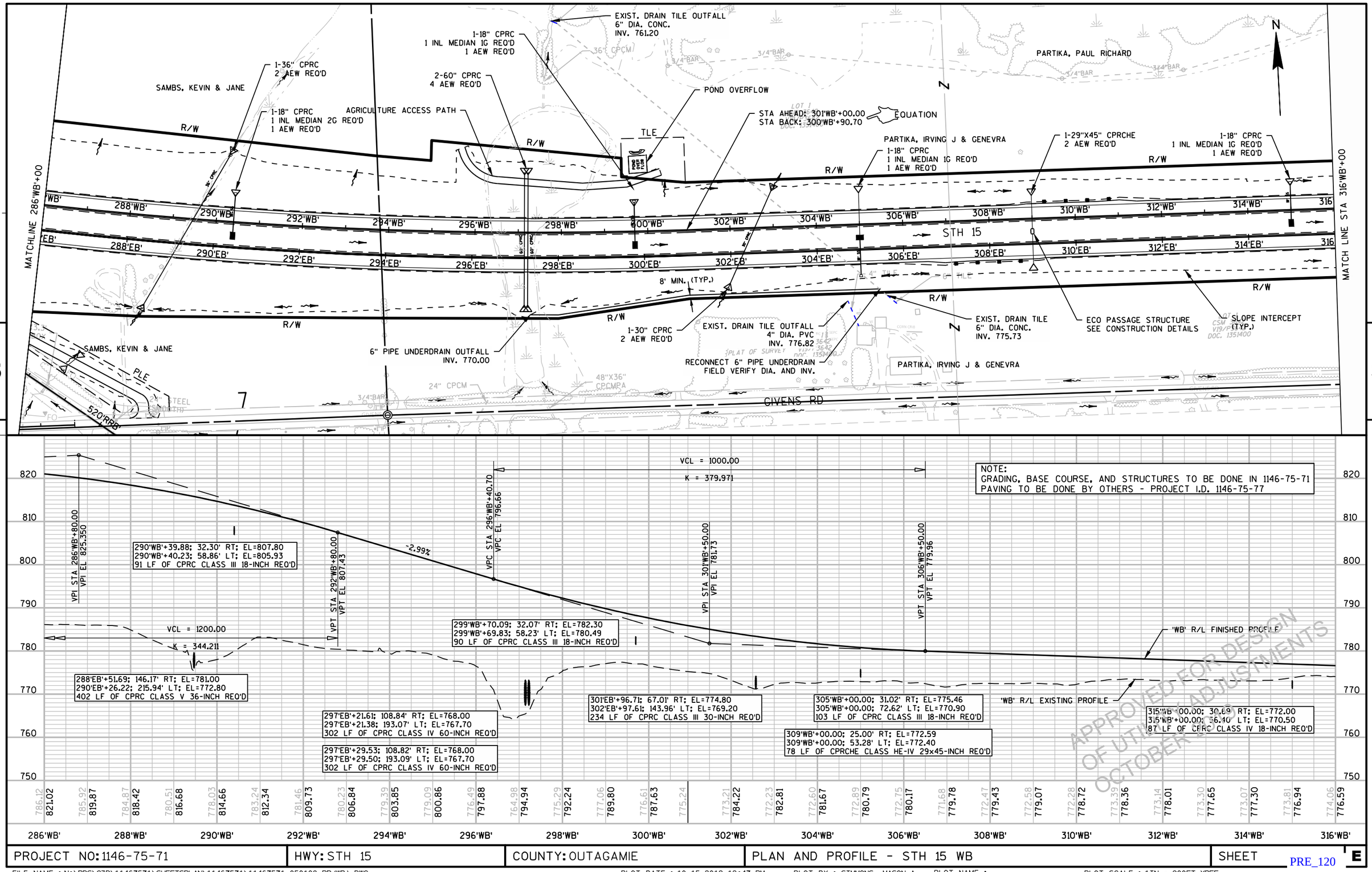
436'EB' 438'EB' 440'EB' 442'EB' 444'EB' 446'EB' 448'EB' 450'EB' 452'EB' 454'EB' 456'EB' 458'EB' 460'EB' 462'EB' 464'EB' 466'EB'

PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	PLAN AND PROFILE - STH 15 EB	SHEET E

PRE_118

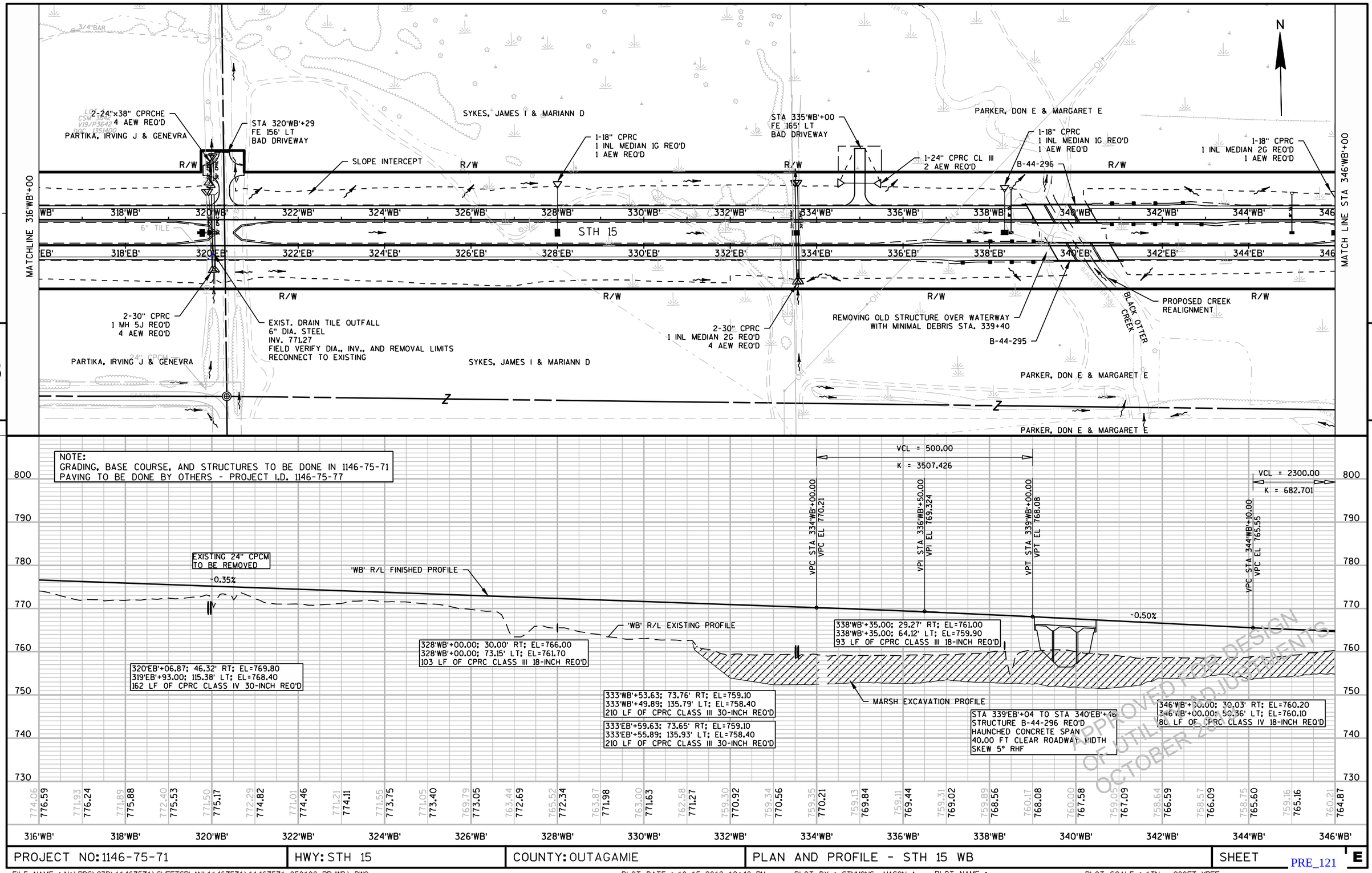
FILE NAME : N:\PDS\C3D\11467571\SHEETSPLAN\11467571\11467571_050101_PP (EB).DWG
LAYOUT NAME - 050107-PP (EB)
PLOT DATE : 10/15/2019 11:43 AM PLOT BY : SIMMONS, MASON A PLOT NAME : PLOT SCALE : 1 IN: 200 FT_XREF


R/W
SAMBS, KEVIN
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION
256'WB'
258'WB'
260'WB'
262'WB'
264'WB'
266'WB'
258'EB"
260'EB"
262'EB"
264'EB"
266'EB"
STH 15
12'TR
14'TR
270'WB'
272'WB'
274'WB'
270'EB'
272'EB'
274'EB'
52'OLE'
52'OLW'
540'LW'
540'LE'
BEGIN CONSTRUCTION 1146-75-71
STA 273'WB'+64.66
BEGIN PROJECT 1146-75-71
STA 275'WB'+00
GAIGG, ELIZABETH
NOTE:
DONE BY OTHERS
MATCH EXISTING CHANNEL
SAMBS, KEVIN & JANE
AGRICULTURE ACCESS PATH
505'RRB'
1-42" CPRC
2 AEW REQ'D
R-44-17
B-44-290
276'WB'
278'WB'
280'WB'
282'WB'
284'WB'
276'EB'
278'EB'
280'EB'
282'EB'
284'EB'
B-44-289
2'X2' CONC BOX
515'RRB'
SLOPE INTERCEPT
STATE OF WIS DEPT OF TRANS
MATCH LINE STA 286'WB+00
5
NOTE:
GRADING, BASE COURSE, AND STRUCTURES TO BE DONE IN 1146-75-71
PAVING TO BE DONE BY OTHERS - PROJECT I.D. 1146-75-77
STA 266'WB'+73.58
EL 817.90
STA 268'WB'+96.80
EL 819.03
LOW POINT STA 271+14.20
LOW POINT EL 817.74
TO BE CONSTRUCTED UNDER
I.D. 1146-75-76
'WB' R/L FINISHED PROFILE
'WB' R/L EXISTING PROFILE
0.57%
0.71%
0.96%
0.50%
VPC STA 269'WB'+50.00
VPC EL 818.52
VPI STA 270'WB'+75.00
VPI EL 817.32
VPT STA 272'WB'+00.00
VPT EL 817.95
VCL = 250.00
K = 171.608
CONSTRUCT ACCESS RAMP
23' MIN CLEARANCE
VPC STA 280'WB'+80.00
VPC EL 822.35
HIGH POINT STA 282+52.11
HIGH POINT EL 822.78
VCL = 200.00
K = 344.211
STA 277'EB'+06.79 TO STA 279'EB'+86.37
STRUCTURE B-44-290 REQ'D
3 SPAN 45W" PRESTRESSED GIRDERS
40.00 FT CLEAR ROADWAY WIDTH
SKEW 62°35'27" RHF
282'EB'+81.39; 136.59' RT, EL=784.11
283'EB'+90.97; 231.73' LT; EL=775.50
385 LF OF CPRC CLASS V 42-INCH REQ'D
APPROVED FOR DESIGN FLEXIBILITY ADJUSTMENTS OCTOBER 2019
840
830
820
810
800
790
780
770
803.75 811.38
803.60 811.88
803.88 812.32
803.89 812.89
803.46 813.47
803.55 814.04
801.82 814.61
801.76 815.19
802.89 815.76
804.54 816.33
805.38 816.91
805.71 817.48
804.59 818.09
803.78 818.79
803.00 818.12
801.50 817.74
798.40 817.95
797.47 818.45
799.38 818.95
796.19 819.45
793.07 819.95
793.83 820.45
792.57 820.95
792.50 821.45
791.59 821.95
790.23 822.44
788.01 822.74
783.03 822.75
784.17 822.46
785.74 821.89
786.12 821.02
255'WB'
258'WB'
260'WB'
262'WB'
264'WB'
266'WB'
268'WB'
270'WB'
272'WB'
274'WB'
276'WB'
278'WB'
280'WB'
282'WB'
284'WB'
286'WB'
114
3" ALUMINUM MONUMENT
Y 598111.44
X 754543.13
T 22 N
21
28
15
E
PROJECT NO: 1146-75-71
HWY: STH 15
COUNTY: OUTAGAMIE
PLAN AND PROFILE - STH 15 WB
SHEET
E
PRE_119
FILE NAME : N:\PDS\C3D\11467571\SHEETSPLAN\11467571\11467571_050108_PP(WB).DWG
LAYOUT NAME - 050108-PP(WB)
PLOT DATE : 10/15/2019 12:46 PM
PLOT BY : SIMMONS, MASON A
PLOT NAME :
PLOT SCALE : 1IN = 200FT_XREF
WISDOT/CADDS SHEET 44



PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	PLAN AND PROFILE - STH 15 WB	SHEET E

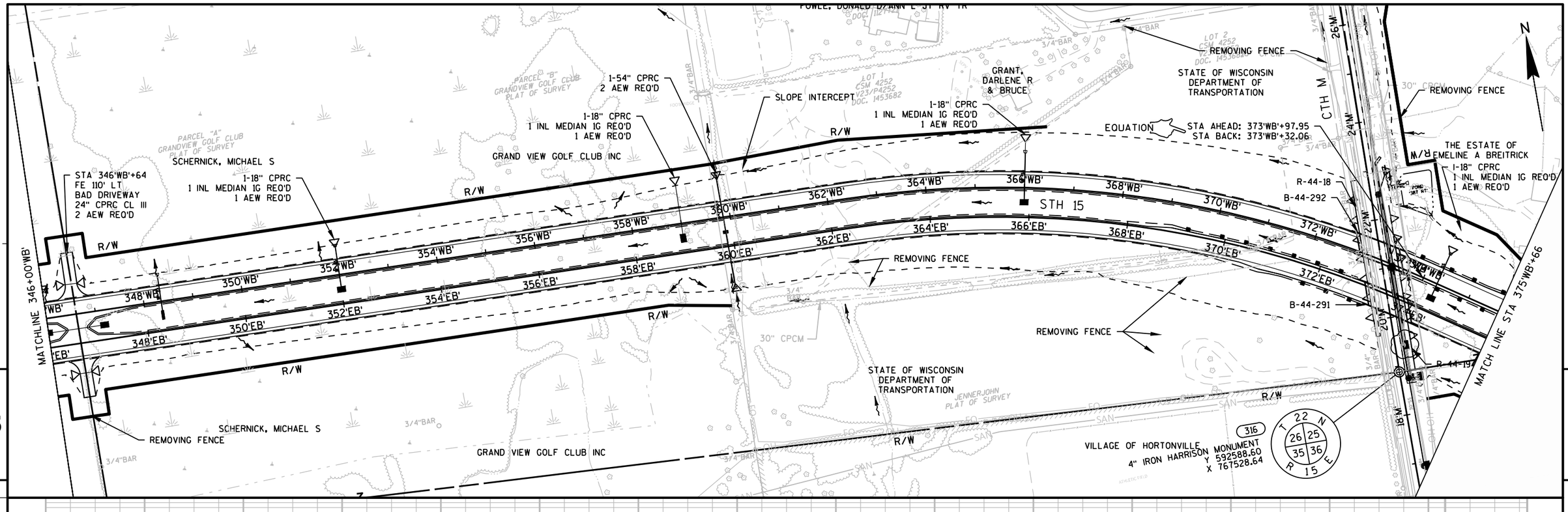
PRE_120

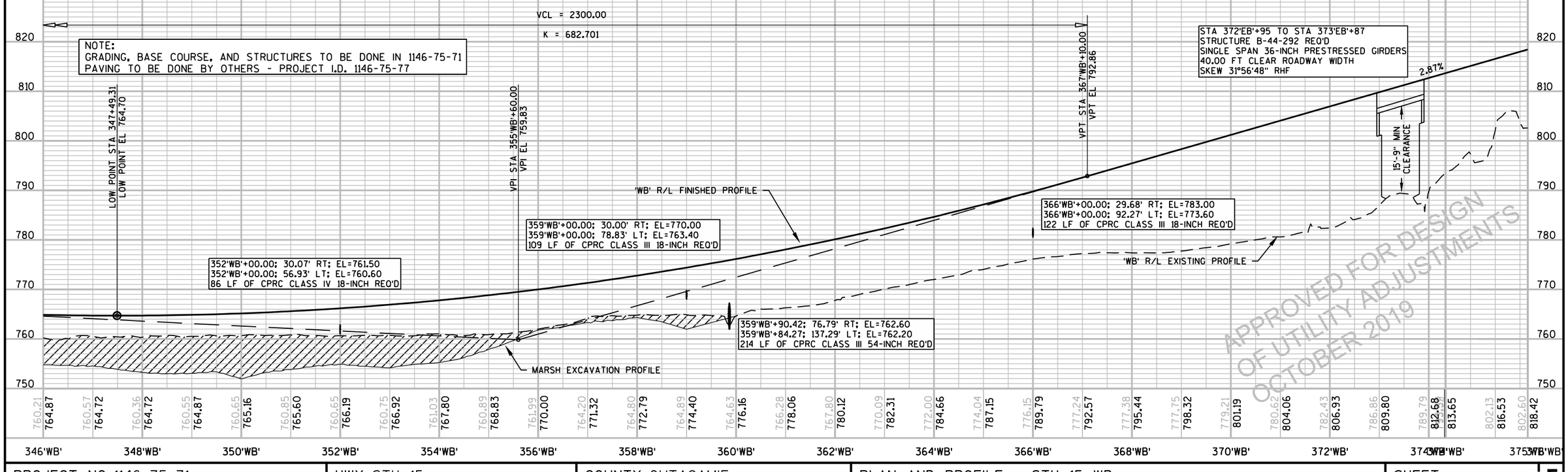


NOTE:
GRADING, BASE COURSE, AND STRUCTURES TO BE DONE IN 1146-75-71
PAVING TO BE DONE BY OTHERS - PROJECT I.D. 1146-75-77

APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS
OCTOBER 2019

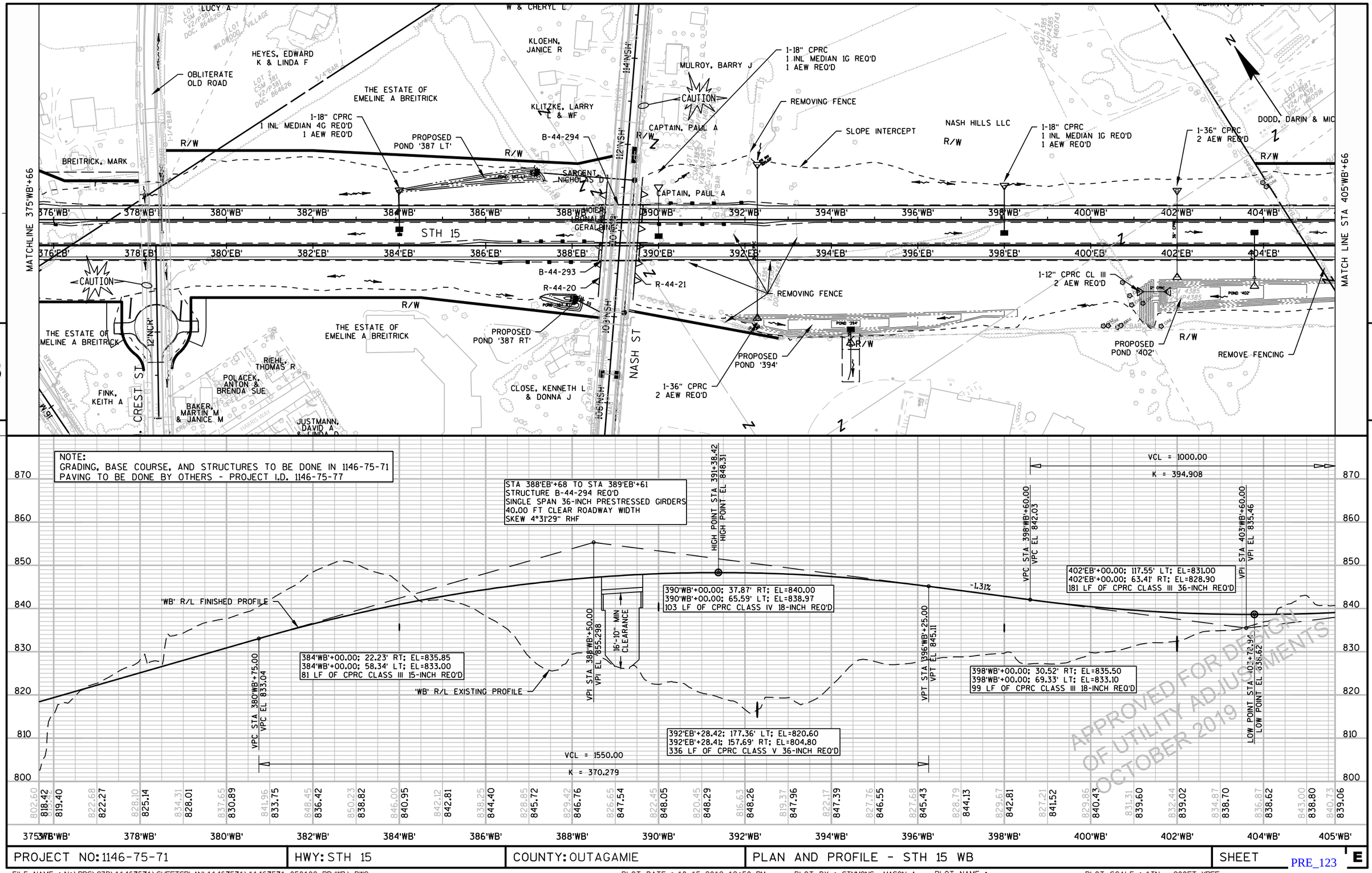
PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	PLAN AND PROFILE - STH 15 WB	SHEET E





APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS
OCTOBER 2019

PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	PLAN AND PROFILE - STH 15 WB	SHEET E



NOTE:
GRADING, BASE COURSE, AND STRUCTURES TO BE DONE IN 1146-75-71
PAVING TO BE DONE BY OTHERS - PROJECT I.D. 1146-75-77

STA 388'EB'+68 TO STA 389'EB'+61
STRUCTURE B-44-294 REQ'D
SINGLE SPAN 36-INCH PRESTRESSED GIRDERS
40.00 FT CLEAR ROADWAY WIDTH
SKEW 4°31'29" RHF

HIGH POINT STA 391+38.42
HIGH POINT EL 848.31

VCL = 1000.00
K = 394.908

VPC STA 398'WB'+60.00
VPC EL 842.03

VPI STA 403'WB'+60.00
VPI EL 835.46

402'EB'+00.00: 117.55' LT; EL=831.00
402'EB'+00.00: 63.41' RT; EL=828.90
181 LF OF CPRC CLASS III 36-INCH REQ'D

390'WB'+00.00: 37.87' RT; EL=840.00
390'WB'+00.00: 65.59' LT; EL=838.97
103 LF OF CPRC CLASS IV 18-INCH REQ'D

-1.31%

'WB' R/L FINISHED PROFILE

VPI STA 388'WB'+50.00
VPI EL 855.298

16'-10" MIN CLEARANCE

VPT STA 396'WB'+25.00
VPT EL 845.11

384'WB'+00.00: 22.23' RT; EL=835.85
384'WB'+00.00: 58.34' LT; EL=833.00
81 LF OF CPRC CLASS III 15-INCH REQ'D

'WB' R/L EXISTING PROFILE

398'WB'+00.00: 30.52' RT; EL=835.50
398'WB'+00.00: 69.33' LT; EL=833.10
99 LF OF CPRC CLASS III 18-INCH REQ'D

VPC STA 380'WB'+75.00
VPC EL 833.04

392'EB'+28.42: 177.36' LT; EL=820.60
392'EB'+28.41: 157.69' RT; EL=804.80
336 LF OF CPRC CLASS V 36-INCH REQ'D

VCL = 1550.00
K = 370.279

LOW POINT STA 403'WB'+70.94
LOW POINT EL 836.62

870 860 850 840 830 820 810 800

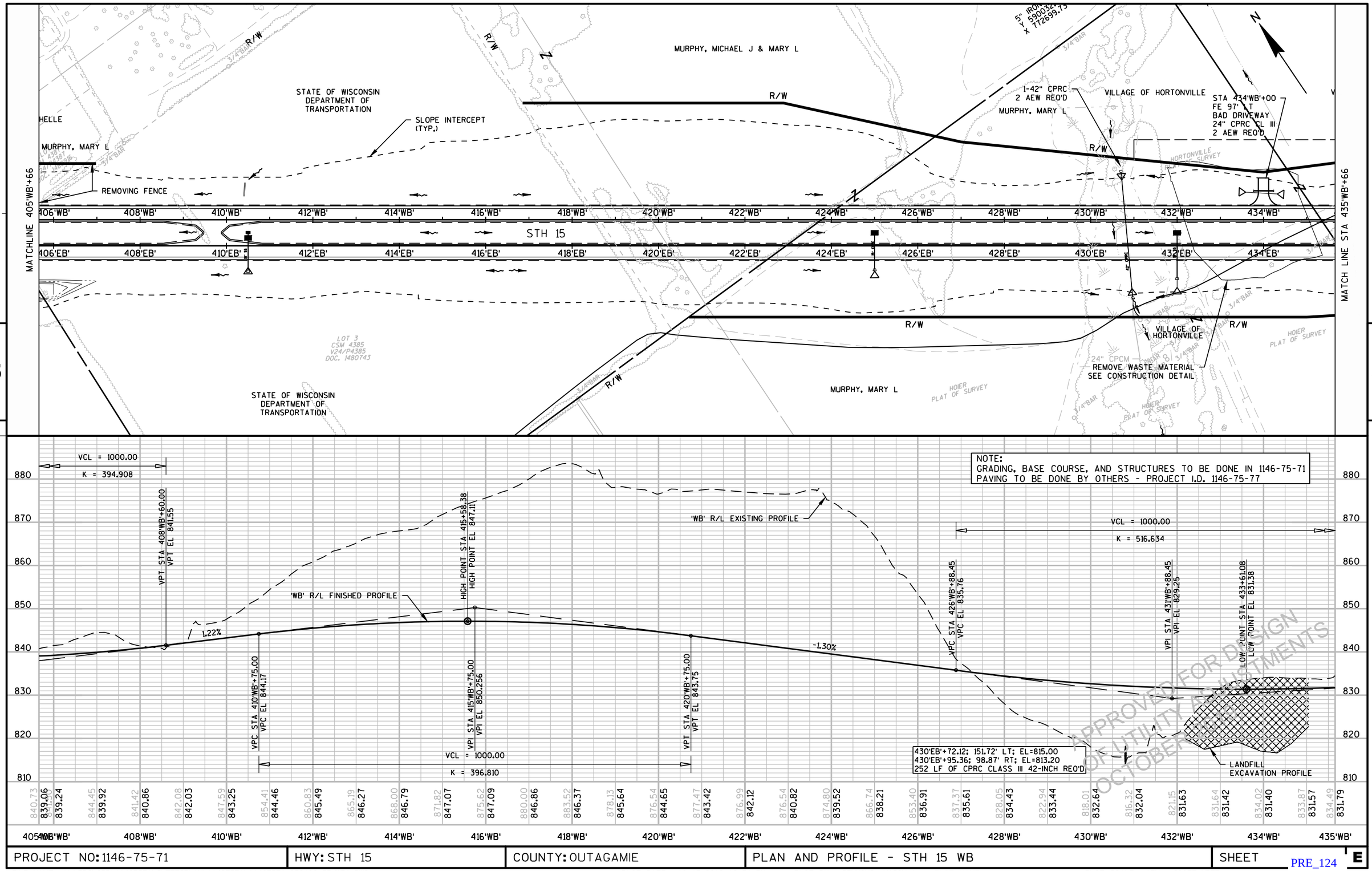
802.60 818.42 819.40 822.68 822.27 828.10 825.14 834.31 828.01 837.65 830.89 841.96 833.75 848.45 836.42 850.23 838.82 846.00 840.95 842.12 842.81 838.25 844.40 828.85 845.72 829.42 846.76 826.65 847.54 822.45 848.05 820.45 848.29 816.63 848.26 819.37 847.96 822.17 847.39 827.76 846.55 827.68 845.43 828.79 844.13 829.67 842.81 827.21 841.52 829.86 840.43 831.31 839.60 832.44 839.02 834.87 838.70 836.87 838.62 843.00 838.80 840.73 839.06

375'WB' 378'WB' 380'WB' 382'WB' 384'WB' 386'WB' 388'WB' 390'WB' 392'WB' 394'WB' 396'WB' 398'WB' 400'WB' 402'WB' 404'WB' 405'WB'

APPROVED FOR DESIGN OF UTILITY ADJUSTMENTS OCTOBER 2019

PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	PLAN AND PROFILE - STH 15 WB	SHEET E

FILE NAME : N:\PDS\C3D\11467571\SHEETSPLAN\11467571\11467571_050108_PP(WB).DWG
LAYOUT NAME - 050112-PP(WB)
PLOT DATE : 10/15/2019 12:50 PM PLOT BY : SIMMONS, MASON A PLOT NAME :
PLOT SCALE : 1IN = 200FT_XREF
WISDOT/CADDS SHEET 44

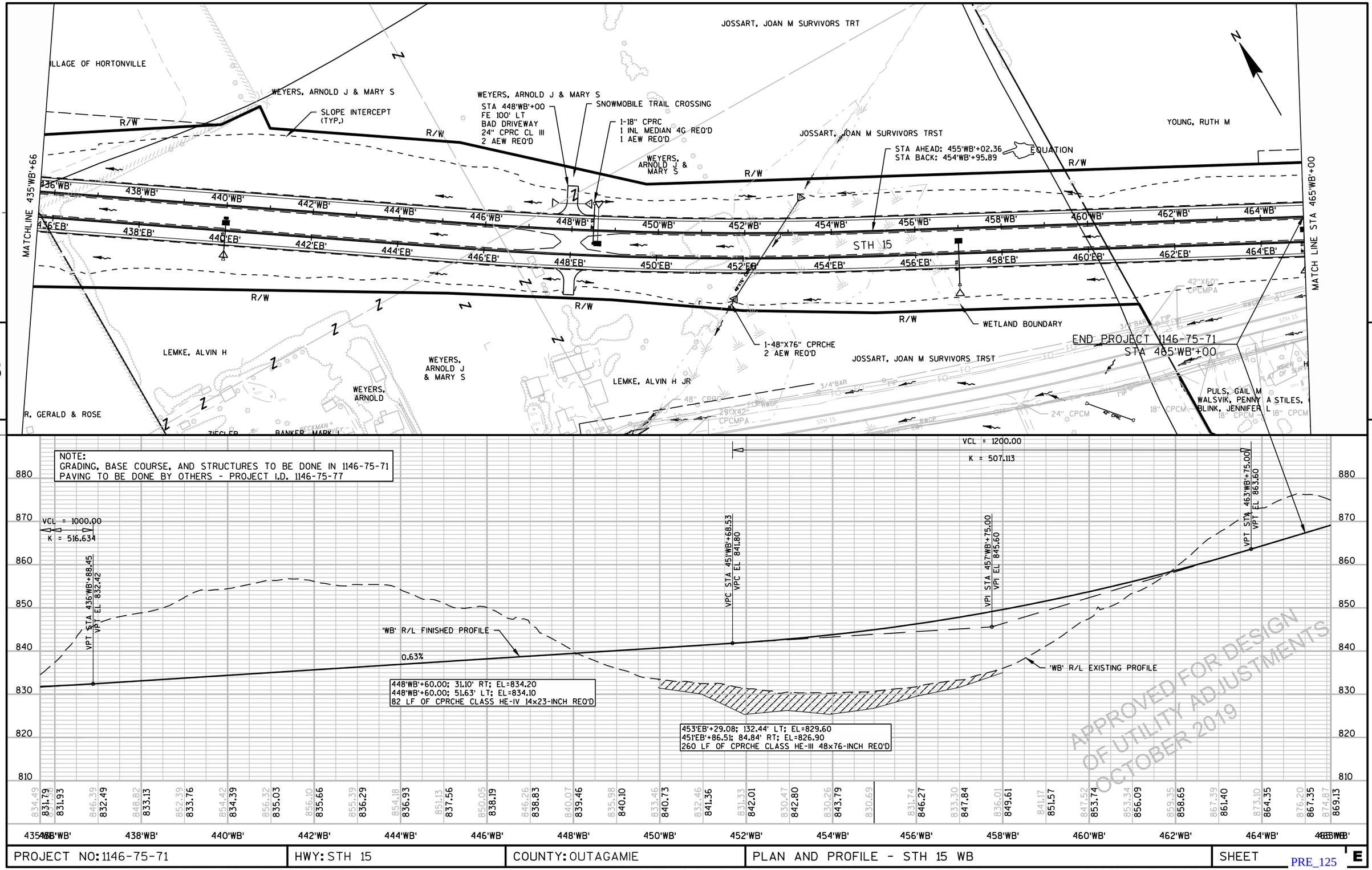


NOTE:
GRADING, BASE COURSE, AND STRUCTURES TO BE DONE IN 1146-75-71
PAVING TO BE DONE BY OTHERS - PROJECT I.D. 1146-75-77

APPROVED FOR DESIGN OF UTILITY ADJUSTMENTS OCTOBER 2019

PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	PLAN AND PROFILE - STH 15 WB	SHEET E

PRE_124



PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	PLAN AND PROFILE - STH 15 WB	SHEET E

PRE_125

FILE NAME : N:\PDS\C3D\11467571\SHEETSPLAN\11467571\11467571_050108_PP(WB).DWG
LAYOUT NAME - 050114-PP(WB)

PLOT DATE : 10/15/2019 12:53 PM PLOT BY : SIMMONS, MASON A PLOT NAME :

PLOT SCALE : 1IN = 200FT_XREF

WISDOT/CADDS SHEET 44

FINK, KEITH A

STA 12'NCR'+10
FE 100' LT
B.A.D. DRIVEWAY

TLE

R/W

RIP RAP MEDIUM
SEE EROSION CONTROL DETAILS

10'

25'

25' (TYP.)

TESSEN, JAMES L & WF

CAUTION

R/W

R50'

SEE CONSTRUCTION DETAILS FOR SWALE CONTOURS

378EB

378WB

R/W

TLE

INL

MH

N. CREST ST.

STA 12'NCR'+12.07
2.14' LT

11'NCR'

12'NCR'

13'NCR'

OBLITERATE OLD ROAD

INL

R52' (TYP.)

R/W

KRENKE AVE

INL

25' (TYP.)

REMOVE SMALL CULVERT PIPE

BAKER, MARTIN M & JANICE M

TLE

R/W

STA 12'NCR'+10
FE 95' RT
B.A.D. DRIVEWAY

TLE

SLOPE INTERCEPT (TYP.)

STH 15 EB

STH 15 WB

5

5

END CONSTRUCTION
STA 12'NCR'+62.02

BEGIN CONSTRUCTION
STA 11'NCR'+30.00
MATCH EXISTING
SAWCUT REQUIRED

STA 11'NCR'+30.00
EL 812.70

STA 12'NCR'+42.99
EL 816.40

STA 12'NCR'+62.02
EL 817.15

3.96%

3.28%

3.25%

'NCR' R/L
FINISHED PROFILE

'NCR' R/L
EXISTING PROFILE

EXISTING PROFILE ELEVATIONS AT 'NCR' R/L

FINISHED PROFILE ELEVATIONS AT 'NCR' R/L

809.39	810.00	810.62	811.19	811.84	812.56	813.33	813.35	814.13	814.17	814.88	814.99	815.81	815.81	816.67	816.68	817.65	818.72	819.80	820.98	822.39				

828 826 824 822 820 818 816 814 812 810

10'NCR'+00 10'NCR'+50 11'NCR'+00 11'NCR'+50 12'NCR'+00 12'NCR'+50 13'NCR'+00 13'NCR'+50 14'NCR'+00

APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS
OCTOBER 2019

PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	PLAN AND PROFILE - N. CREST ST.	SHEET E

FILE NAME : N:\PDS\C3D\11467571\SHEETSPLAN\11467571\11467571_050401_PP (N CREST).DWG
LAYOUT NAME - 050401-PP (NCR)

PLOT DATE : 10/15/2019 3:07 PM PLOT BY : SIMMONS, MASON A PLOT NAME : PLOT SCALE : 1IN = 50FT_XREF

PRE_126

STEUDEL, DONALD R & CONNIE M

LILLGE, DREW M & WILHELMI
LOT 3
CSM 1946
V10/P1946
DOC. 1127721

THE ESTATE OF
EMELINE A BREITRICK

28'MM' CTH M

30'MM'

26'MM'

24'MM'

22'MM'

20'MM'

18'MM'

16'MM'

14'MM'

12'MM'

LONE HICKORY LANE

CTH MM

GRANT,
DARLENE R
& BRUCE

LOT 2
CSM 4252
V23/P4252
DOC. 1453683

STATE OF WISCONSIN
DEPARTMENT OF
TRANSPORTATION

PIN 120039402
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
DOC. 1972519

370'WD

STA 15'MM'+27
FE 80' LT
B.A.D. DWY

2-24"X38" CPRCHE
4 AEW REQ'D

CLEAR, GRUB, AND GRADE
FOR FIELD ACCESS

-5.5%

18"CPRC
2 AEW REQ'D

24"CPRC
2 AEW REQ'D

TLE

REMOVE FENCE

STA 15'MM'+27
FE 133' RT
B.A.D. DWY

SAWCUT

OBLITERATE OLD ROAD

THE ESTATE OF
EMELINE A BREITRICK

STA 26'MM'+70
PE 45' LT
ASPH DRIVEWAY
18" CPRC
2 AEW REQ'D

WAGNER,
LISA K

ROUGEUX, ALAN P & MELODY L

GASSER, GARY S

VATLAND,
LARRY A & THERESA

1-18" CPRC
2 AEW REQ'D

HILKER, LYLE J & DEBRA J

ALBRECHT,
BRUCE & DIANE

MONROE,
JAMES J & MARGIE A

MILLER, S

MERKT,
PAUL J

SLOPE INTERCEPT

CISMOSKI,
JAMES H

SIEGEL, MARK S LIVING TRUST

KORPELA,
GERALD & ARDYTHE

PUGLIESE, SEBAST. K III & LORI

CRESTVIEW DRIVE

BEYERWOOD CT.

WILDWOOD VILLAGE

END CONSTRUCTION
STA 26'MM'+77
MATCH EXISTING
SAWCUT REQ'D

BEGIN CONSTRUCTION
STA 10'MM'+12
MATCH EXISTING
SAWCUT REQ'D

10'MM'+72.00; 32.72' RT; EL=778.15
10'MM'+71.99; 26.19' LT; EL=777.50
59 LF OF CPRCHE CLASS HE-IV 24x38-INCH REQ'D

10'MM'+64.00; 37.31' RT; EL=778.15
10'MM'+64.00; 29.22' LT; EL=777.50
67 LF OF CPRCHE CLASS HE-IV 24x38-INCH REQ'D

STA 10'MM'+12.00
EL 782.89

LOW POINT STA 10+79.93
LOW POINT EL 782.06

VCL = 75.00
K = 21.292

VCL = 275.00
K = 89.053

VCL = 450.00
K = 70.045

VPC STA 10'MM'+50.06
VPC EL 782.27
VPI STA 10'MM'+87.56
VPI EL 781.74
VPT STA 11'MM'+25.06
VPT EL 782.54

VPC STA 12'MM'+27.28
VPC EL 784.70

VPI STA 13'MM'+64.78
VPI EL 787.62

VPT STA 15'MM'+02.28
VPT EL 794.78

CTH 'MM' R/L
FINISHED PROFILE

CTH 'MM' R/L EXISTING PROFILE

VPC STA 20'MM'+29.47
VPC EL 822.21

VPI STA 22'MM'+54.14
VPI EL 833.930

HIGH POINT STA 23+93.90
HIGH POINT EL 831.71

VPT STA 24'MM'+79.14
VPT EL 831.19

STA 26'MM'+76.55
EL 828.79

25'MM'+00.00; 24.02' RT; EL=828.33
25'MM'+00.00; 23.62' LT; EL=825.84
48 LF OF CPRC CLASS IV 18-INCH REQ'D

2.12%

-1.22%

EXISTING PROFILE ELEVATIONS AT CTH 'MM' R/L
FINISHED PROFILE ELEVATIONS AT CTH 'MM' R/L

10'MM'	12'MM'	14'MM'	16'MM'	18'MM'	20'MM'	22'MM'	24'MM'	26'MM'	28'MM'
783.15	782.48	784.83	787.25	790.00	793.31	798.18	804.15	809.67	815.72	820.81	824.77	827.09	832.04	832.73	831.54	829.78	828.56	827.40	826.36	826.10	826.11	825.50
782.15	784.12	786.54	790.04	794.66	799.87	805.07	810.28	815.49	820.70	825.55	829.03	831.08	831.71	830.94	829.72

APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS
OCTOBER 2019

PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	PLAN AND PROFILE - CTH MM	SHEET E

PRE_127

FILE NAME : N:\PDS\C3D\11467571\SHEETSPLAN\11467571\11467571_050402_PP(CTH MM).DWG
11467571_PLAN - 050402-PP(MM)

PLOT DATE : 10/15/2019 3:31 PM PLOT BY : SIMMONS, MASON A PLOT NAME :

PLOT SCALE : 1IN = 200FT_XREF

WISDOT/CADDS SHEET 44

R-44-17

20'

2:1

6" BASE AGGREGATE DENSE ¾-INCH

2.0%

2:1

MATCH DITCH FLOWLINE

12" SELECT CRUSH MATERIAL

AGRICULTURE ACCESS PATH TYPICAL SECTION

SAMBS, KEVIN & JANE

R/W

SLOPE INTERCEPT

BEGIN 'AAP' ALIGNMENT
STA 10'AAP'+00.00
Y=593796.6618
X=757969.1947

MATCH EXISTING AGRICULTURAL PATH

PC: 11'AAP'+06.79

BP: 10'AAP'+00.00

S15°33'53.08"E

CURVE AAP-1

STA 13'AAP'+55.71
= STA 279'WB'+03.06

12'AAP'

14'AAP'

16'AAP'

18'AAP'

20'AAP'

22'DWY'

22'AAP'

24'AAP'

284'WB'

284'EB'

282'WB'

282'EB'

280'WB'

280'EB'

278'WB'

278'EB'

276'WB'

276'EB'

R-44-17

S65°30'36.07"E

CURVE AAP-3

S52°30'36.07"E

SAMBS, KEVIN & JANE

WISCONSIN CENTRAL LTD

WISCONSIN CENTRAL LTD

PC: 19'AAP'+46.47

PT: 19'AAP'+68.33

PT: 13'AAP'+29.18

PT: 11'AAP'+70.18

B-44-290

B-44-289

STA 14'AAP'+86.04
= STA 280'EB'+18.76

S52°24'33.79"E

CURVE AAP-2

PC: 18'AAP'+06.32

STATE OF WIS DEPT OF TRANS

1-42" CPRC CL IV
2-AEW REQ'D
MATCH INVERT OF EXISTING 2'X2' BOX

CURVE AAP-1
PI STA = 11'AAP'+39.62
Y = 593662.159
X = 758006.659
DELTA = 36°50'41"
D = 58°07'30"
T = 32.83'
L = 63.39'
R = 98.57'
PC STA = 11'AAP'+06.79
Y = 593693.789
X = 757997.849
PT STA = 11'AAP'+70.18
Y = 593642.130
X = 758032.676
BK = S15°33'53.1"E
AH = S52°24'33.8"E

CURVE AAP-2
PI STA = 18'AAP'+17.80
Y = 593247.071
X = 758545.845
DELTA = 13°06'02"
D = 57°17'45"
T = 11.48'
L = 22.86'
R = 100.00'
PC STA = 18'AAP'+06.32
Y = 593254.076
X = 758536.746
PT STA = 18'AAP'+29.18
Y = 593242.311
X = 758556.294
BK = S52°24'33.8"E
AH = S65°30'36.1"E

CURVE AAP-3
PI STA = 19'AAP'+57.44
Y = 593189.143
X = 758673.015
DELTA = 12°33'20"
D = 57°25'46"
T = 10.98'
L = 21.86'
R = 99.77'
PC STA = 19'AAP'+46.47
Y = 593193.693
X = 758663.027
PT STA = 19'AAP'+68.33
Y = 593182.531
X = 758681.775
BK = S65°30'36.1"E
AH = S52°57'16.5"E

5

5

BEGIN CONSTRUCTION
STA 10'AAP'+66.58

END CONSTRUCTION
STA 19'AAP'+83.13

STA 10'AAP'+66.58
EL 789.00

STA 12'AAP'+00.00
EL 790.04

STA 17'AAP'+83.00
EL 791.31

STA 19'AAP'+83.13
EL 791.55

'AAP' R/L FINISHED PROFILE

'AAP' R/L EXISTING PROFILE

0.78%

0.22%

0.12%

282'EB'+81.19; 136.59' RT; EL=784.17
283'EB'+90.97; 231.73' LT; EL=775.50
385 LF OF CPRC CLASS V 42-INCH REQ'D

EXISTING PROFILE ELEVATIONS AT 'AAP' R/L
FINISHED PROFILE ELEVATIONS AT 'AAP' R/L

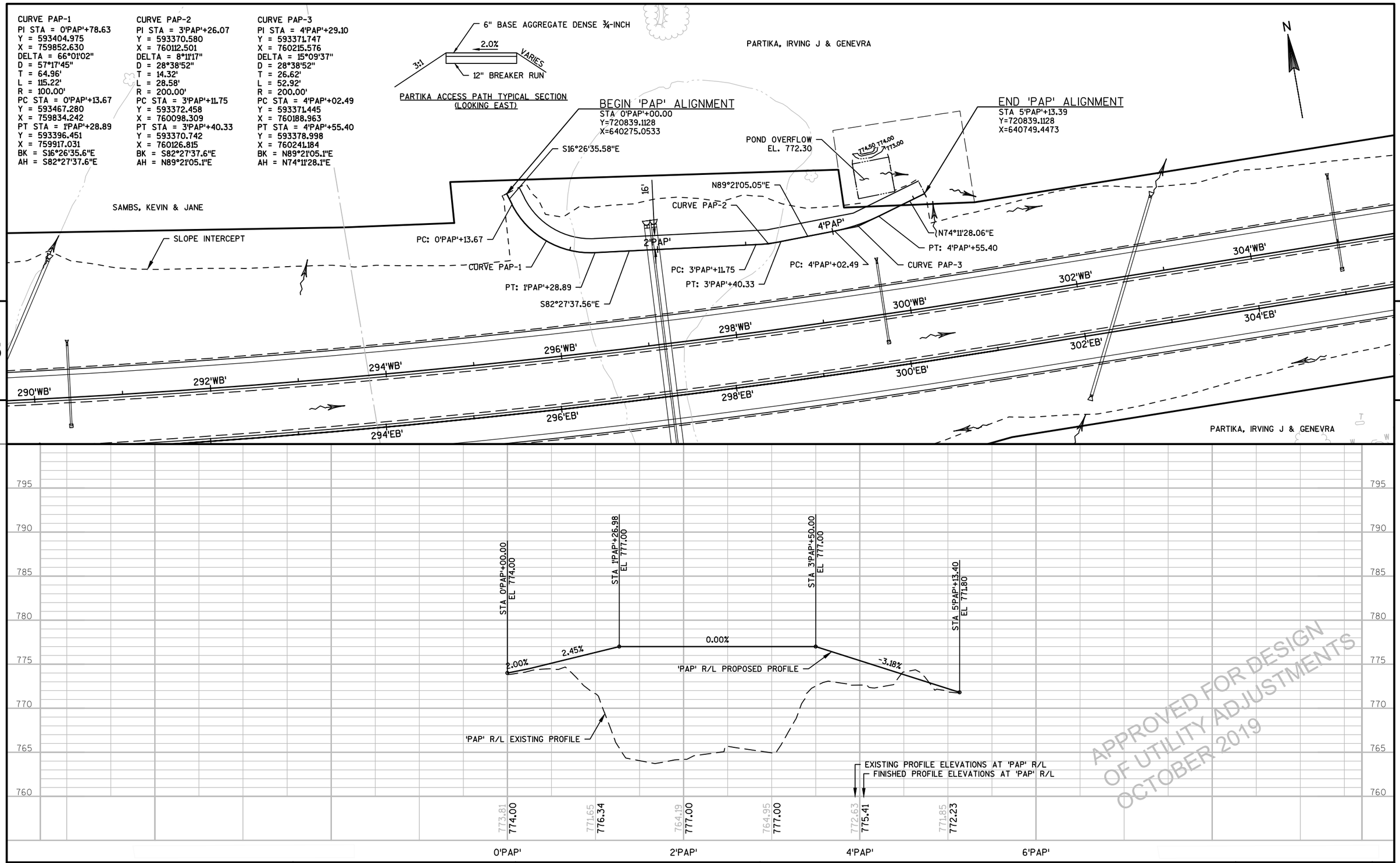
| | | |

CURVE PAP-1
PI STA = 0'PAP'+78.63
Y = 593404.975
X = 759852.630
DELTA = 66°01'02"
D = 57°17'45"
T = 64.96'
L = 115.22'
R = 100.00'
PC STA = 0'PAP'+13.67
Y = 593467.280
X = 759834.242
PT STA = 1'PAP'+28.89
Y = 593396.451
X = 759917.031
BK = S16°26'35.6"E
AH = S82°27'37.6"E

CURVE PAP-2
PI STA = 3'PAP'+26.07
Y = 593370.580
X = 760112.501
DELTA = 8°11'17"
D = 28°38'52"
T = 14.32'
L = 28.58'
R = 200.00'
PC STA = 3'PAP'+11.75
Y = 593372.458
X = 760098.309
PT STA = 3'PAP'+40.33
Y = 593370.742
X = 760126.815
BK = S82°27'37.6"E
AH = N89°21'05.1"E

CURVE PAP-3
PI STA = 4'PAP'+29.10
Y = 593371.747
X = 760215.576
DELTA = 15°09'37"
D = 28°38'52"
T = 26.62'
L = 52.92'
R = 200.00'
PC STA = 4'PAP'+02.49
Y = 593371.445
X = 760188.963
PT STA = 4'PAP'+55.40
Y = 593378.998
X = 760241.184
BK = N89°21'05.1"E
AH = N74°11'28.1"E

PARTIKA ACCESS PATH TYPICAL SECTION
(LOOKING EAST)



APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS
OCTOBER 2019

PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	PLAN AND PROFILE - PARTIKA ACCESS PATH	SHEET E

FILE NAME : N:\PDS\C3D\11467571\SHEETSPLAN\11467571\11467571_021805_CD.DWG
LAYOUT NAME - 021805_CD
PLOT DATE : 10/3/2019 7:41 AM
PLOT BY : SIMMONS, MASON A
PLOT NAME :
PLOT SCALE : 1IN = 100FT_XREF
WISDOT/CADDS SHEET 44

PI STA = 21+40.22
Y = 593104.273
X = 758802.055
DELTA = 5°43'02"
D = 95°29'35"
T = 3.00'
L = 5.99'
R = 60.00'
PC STA = 21+37.22
PT STA = 21+43.21

PI STA = 24+54.83
Y = 592940.690
X = 759070.803
DELTA = 58°40'18"
D = 286°28'44"
T = 11.24'
L = 20.48'
R = 20.00'
PC STA = 24+43.59
PT STA = 24+64.08

SAMBS, KEVIN & JANE

PLE

MATCH AGG. ACCESS PATH

SLOPE INTERCEPT

N = 593164.938
E = 758781.150

N = 593188.749
E = 758690.137

N = 593175.205
E = 758678.540

N = 592946.922
E = 759128.190

N = 592914.056
E = 759128.125

N = 592884.427
E = 759070.803

N = 592916.322
E = 759014.820

S52° 57' 16"E
137.22'

22'DWY'

S58° 40' 18"E
300.38'

24'DWY'

S0° 00' 00"E
34.80'

22'DWY'+59.90; 13.17' RT; EL=787.27
22'DWY'+71.22; 14.46' LT; EL=787.12
30 LF OF CPRC CLASS III 36-INCH REQ'D

PROPOSED 'DWY' PROFILE

1.32%

-1.43%

1.37%

790.00

780.00

STA 20+11.71
EL 791.75

VPC STA 20'DWY'+37.41
VPC EL 792.09

VPI STA 21'DWY'+12.41
VPI EL 793.084

VPC STA 21'DWY'+88.24
VPC EL 792.00

VPI STA 22'DWY'+63.24
VPI EL

VPT STA 23'DWY'+38.24
VPT EL 791.96

STA 24+93.65
EL 794.09

VCL = 150.00
K = 54.58

EXISTING 'DWY' PROFILE

PROPOSED 'DWY' PROFILE
EXISTING 'DWY' PROFILE

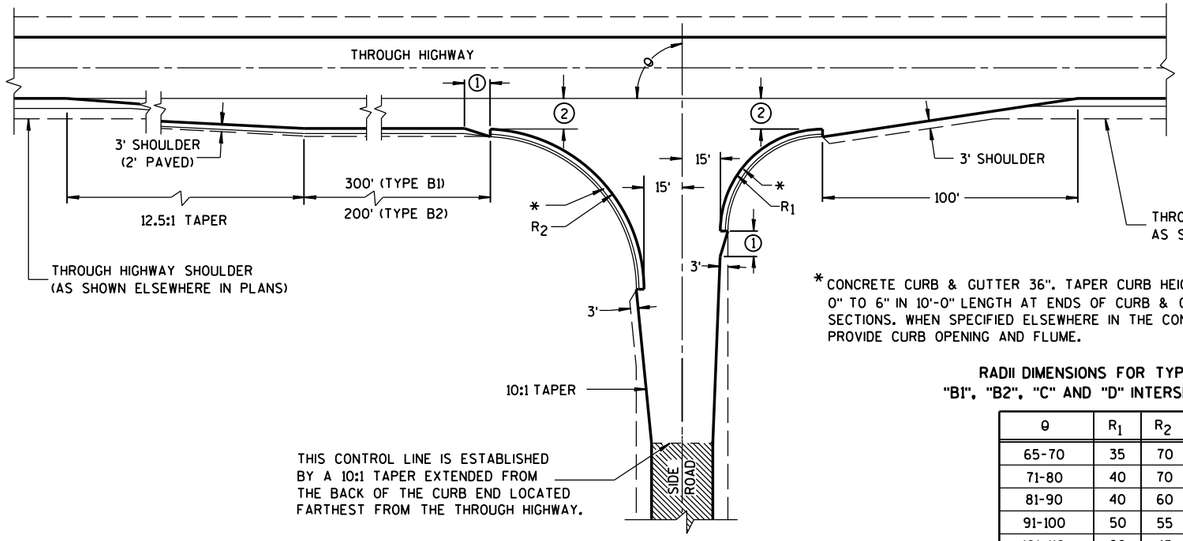
20'DWY' 21'DWY' 22'DWY' 23'DWY' 24'DWY' 25'DWY' 26'DWY'

792.10
791.53 792.24
792.27 792.56
792.08 792.42
790.19 791.85
788.28 791.48
787.98 791.57
788.35 792.12
789.41 792.81
788.66 793.49
794.10

APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS
OCTOBER 2019

PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	PLAN AND PROFILE - SAMB'S DRIVEWAY	SHEET E

PRE_130

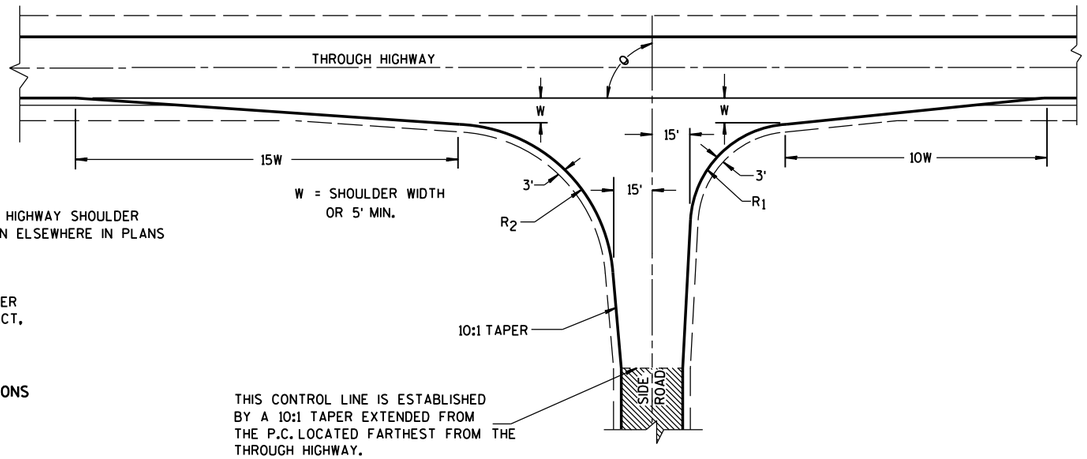


TYPE "B1" AND "B2"

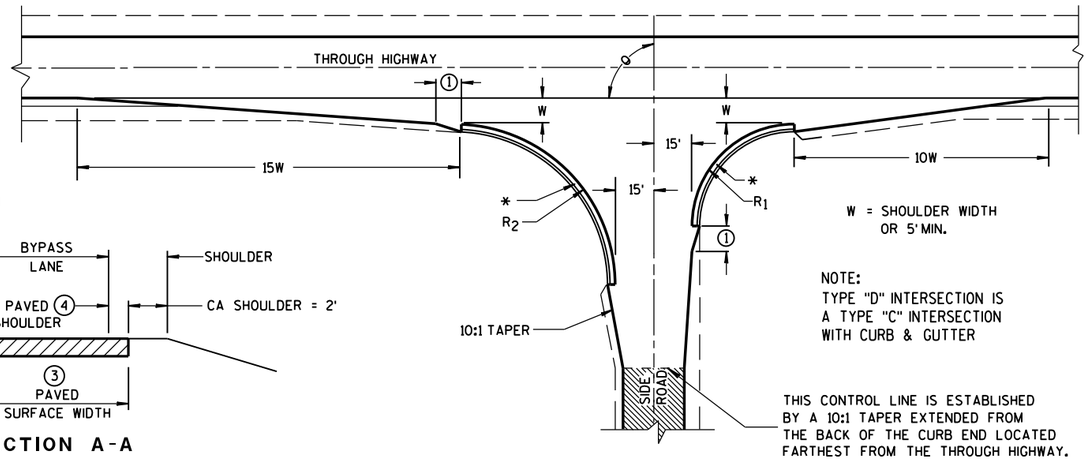
*CONCRETE CURB & GUTTER 36". TAPER CURB HEIGHT 0" TO 6" IN 10'-0" LENGTH AT ENDS OF CURB & GUTTER SECTIONS. WHEN SPECIFIED ELSEWHERE IN THE CONTRACT, PROVIDE CURB OPENING AND FLUME.

RADII DIMENSIONS FOR TYPES "B1", "B2", "C" AND "D" INTERSECTIONS

θ	R_1	R_2
65-70	35	70
71-80	40	70
81-90	40	60
91-100	50	55
101-110	60	45



TYPE "C"



TYPE "D"

GENERAL NOTES

DESIGNS MAY BE USED INTERCHANGEABLY IN COMBINATION OR SEPARATELY FOR ANY ONE COMPLETE INTERSECTION DEPENDING UPON INTERSECTION ANGLE AND SURFACING OF EACH APPROACH ROADWAY.

SIDE ROAD SURFACING NOTE

WHEN THE SIDE ROAD IS NOT PRESENTLY PAVED, PAVEMENT SHALL BE PLACED TO THE LIMITS SHOWN UNLESS OTHERWISE PROVIDED IN THE CONTRACT. WHERE THE CONSTRUCTION LIMITS ARE BEYOND THE PAVING LIMITS, CRUSHED AGGREGATE SURFACING SHALL BE PLACED BETWEEN THE PAVING LIMITS AND CONSTRUCTION LIMITS.

WHEN THE SIDE ROAD IS PRESENTLY PAVED, NEW PAVEMENT SHALL BE PLACED TO THE LIMITS OF DESIGN AS SHOWN AND BEYOND, IF NECESSARY, TO MEET EXISTING PAVEMENT.

WHEN THE SIDE ROAD IS THE CONSTRUCTION PROJECT, THE INTERSECTION SURFACING SHALL BE THE SAME AS FOR THE PROJECT.

EXISTING PAVED SURFACE

BYPASS LANE

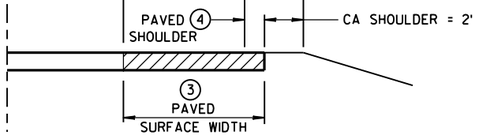
(1) 10-FT TYPICAL.

(2) 12-FT** PLUS ADDITIONAL WIDTH FOR BIKE LANE IF SHOWN ELSEWHERE IN THE PLAN.

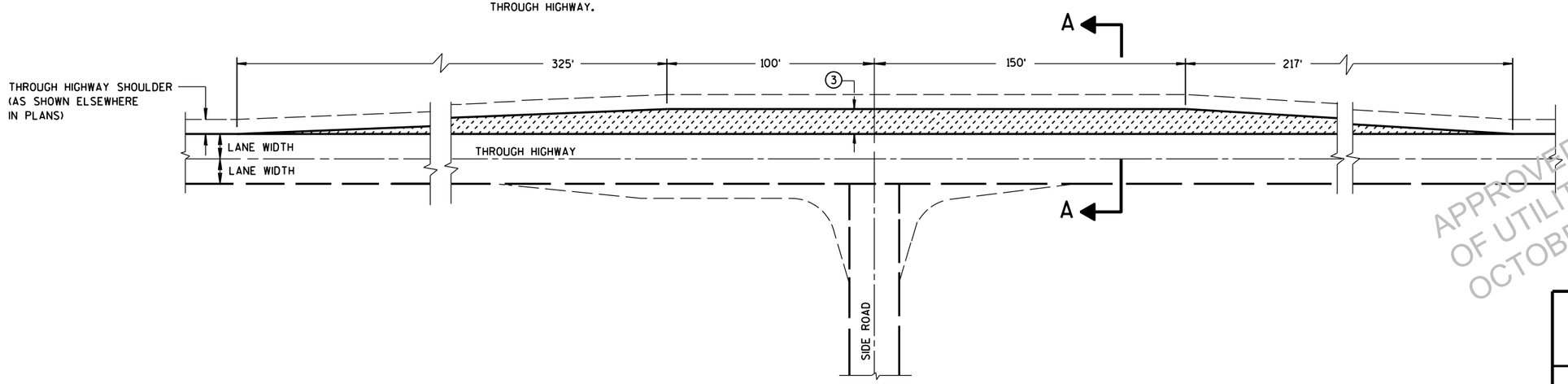
**10-FT MAY BE USED ON TYPE B2 ON RESURFACING PROJECTS IF SPECIFIED IN THE CONTRACT.

(3) BYPASS LANE PAVED SURFACE WIDTH OUTSIDE OF TRAVEL LANE
-ASPHALT = 12-FT PLUS PAVED SHOULDER WIDTH.
-PC CPNCRETE = 13-FT PLUS PAVED SHOULDER WIDTH.

(4) BYPASS LANE PAVED SHOULDER WIDTH = THE GREATER OF 1-FT OR THE PAVED SHOULDER WIDTH OF THE THROUGH HIGHWAY.



SECTION A-A
(SHOWING BYPASS LANE AND SHOULDER)

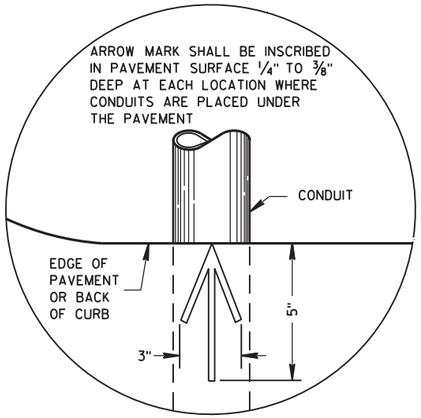


TEE INTERSECTION BYPASS LANE DETAIL

APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS
OCTOBER 2019

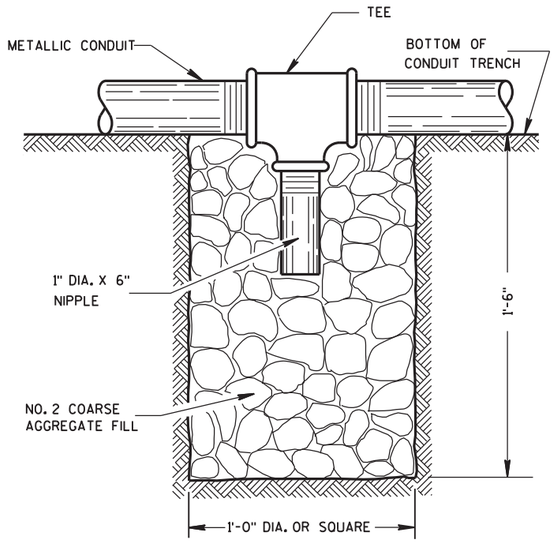
AT-GRADE SIDE ROAD INTERSECTION, TYPES "B1", "B2", "C" AND "D" AND TEE INTERSECTION BYPASS LANE

STATE OF WISCONSIN
DEPARTMENT OF TRAN PRE_131



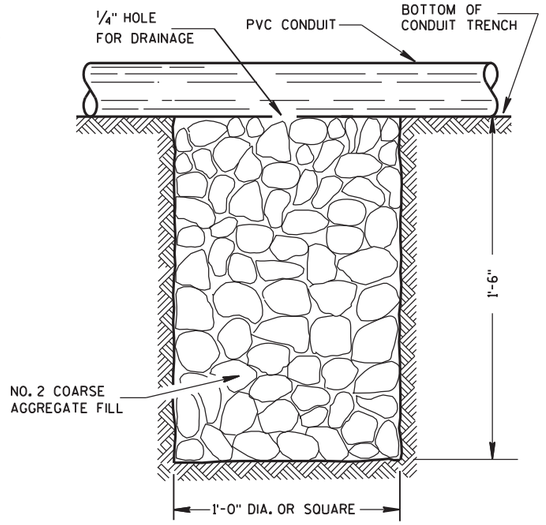
PLAN VIEW

ARROW MARK



NOTE: INSTALL AT LOCATIONS WHERE METALLIC CONDUITS CANNOT BE PITCHED TO DRAIN INTO A PULL BOX.

DRAIN SUMP FOR METALLIC CONDUIT



NOTE: INSTALL AT LOCATIONS WHERE PVC CONDUITS CANNOT BE PITCHED TO DRAIN INTO A PULL BOX.

DRAIN SUMP FOR PVC CONDUIT

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

METALLIC (STANDARD SPECIFICATION 652.2.2) OR NONMETALLIC (STANDARD SPECIFICATION 652.2.3) CONDUIT SHALL BE FURNISHED AND PLACED AS SHOWN.

DEPTH OF CONDUIT INSTALLED BELOW THE TRAVELED WAY SHALL BE 24 INCHES MINIMUM AND 36 INCHES MAXIMUM.

DEPTH OF CONDUIT INSTALLED THAT IS NOT BELOW THE TRAVELED WAY SHALL BE 18 INCHES MINIMUM AND 36 INCHES MAXIMUM.

ANY EXCEPTION TO THE MAXIMUM DEPTH SHALL BE ONLY WITH THE WRITTEN APPROVAL OF THE ENGINEER.

THE TRENCH SHALL NOT BE BACKFILLED PRIOR TO INSPECTION OF THE CONDUIT.

ALL METALLIC CONDUIT RACEWAY ENDS SHALL BE REAMED AND THREADED.

ALL METALLIC CONDUIT IN WHICH WIRE OR CABLE IS TO BE INSTALLED SHALL BE BUSHED WITH APPROVED THREADED BUSHINGS BEFORE INSTALLATION OF THE WIRE OR CABLE.

ALL METALLIC CONDUITS IN WHICH WIRE OR CABLE IS NOT TO BE INSTALLED SHALL BE CAPPED WITH THREADED PROTECTIVE CAPS, AS APPROVED BY THE ENGINEER.

ALL NONMETALLIC CONDUIT SHALL BE CAPPED OR PLUGGED IMMEDIATELY AFTER INSTALLATION AND SHALL REMAIN CAPPED OR PLUGGED UNTIL WIRE/CABLES ARE INSTALLED.

NONMETALLIC CONDUITS IN WHICH WIRE OR CABLE IS NOT BEING INSTALLED SHALL REMAIN CAPPED OR PLUGGED.

BENDING OF PVC ELECTRICAL CONDUIT SHALL BE ACCOMPLISHED BY USING A BLANKET OR EMERSION TYPE TANK DESIGNED FOR THE PURPOSE OF BENDING PVC ELECTRICAL CONDUIT.

ALL CUT ENDS SHALL BE TRIMMED INSIDE AND OUTSIDE TO REMOVE ALL ROUGH EDGES ON NONMETALLIC CONDUIT. (SEE NEC 347.5)

WHEN REQUIRED TO CONNECT NONMETALLIC CONDUIT TO METALLIC CONDUIT, ONLY U.L. LISTED ADAPTER FITTINGS SHALL BE USED.

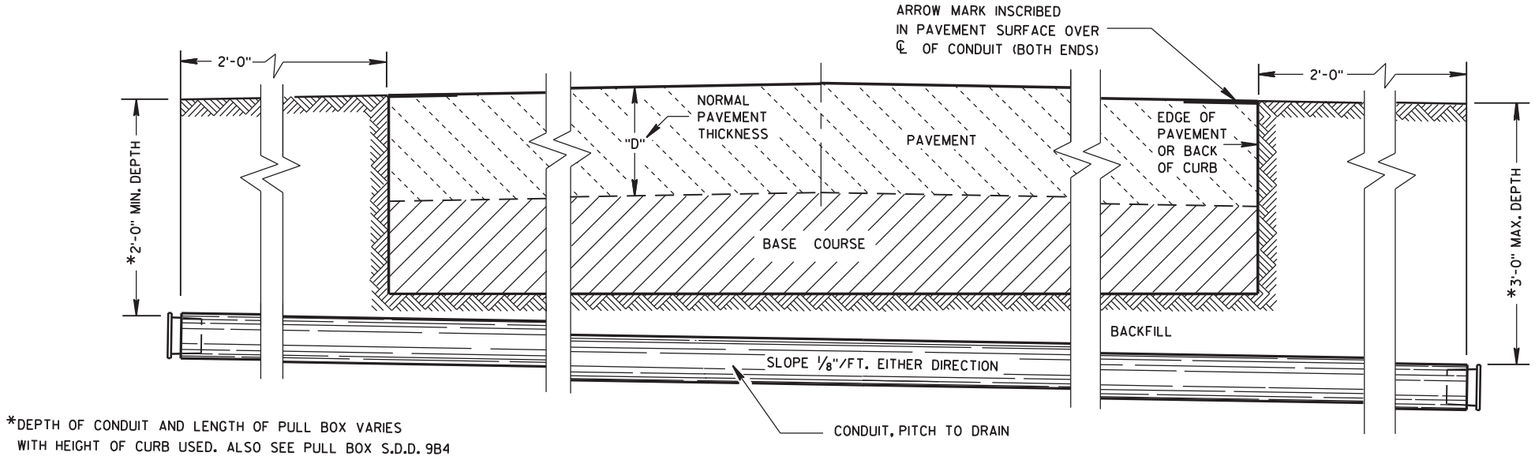
PRIOR TO CONDUIT ACCEPTANCE, CONDUIT CAPS OR PLUGS SHALL BE REMOVED, AND THE CAPS, PLUGS AND CONDUIT ENDS SHALL BE THOROUGHLY CLEANED AND THEN THE CAPS OR PLUGS REINSTALLED TO ENSURE THAT THE CAPS OR PLUGS CAN BE EASILY REMOVED IN THE FUTURE.

ALL CONDUIT BEING FURNISHED AND INSTALLED SHALL HAVE THE U.L. LABEL FIRMLY ATTACHED.

CONDUIT RUNS SHALL BE THE SAME SIZE OF CONDUIT FROM ONE END TO THE OTHER (FROM PULL BOX TO PULL BOX-OR-JUNCTION BOX TO JUNCTION BOX-OR-BASE TO BASE, ETC.).

POLY ROPE OR A PULL WIRE SHALL BE INSTALLED AS STATED IN THE STANDARD SPECIFICATION, ITEM 652.3.1.1.

ALL CONDUIT RUNS SHALL BE STRAIGHT (WITHOUT BENDS) FROM PULL BOX TO PULL BOX, PULL BOX TO BASE AND BASE TO BASE AS SHOWN ON THE PLANS.



*DEPTH OF CONDUIT AND LENGTH OF PULL BOX VARIES WITH HEIGHT OF CURB USED. ALSO SEE PULL BOX S.D.D. 9B4

SIDE ELEVATION

DETAIL FOR CONDUIT UNDER PAVED HIGHWAYS

APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS
OCTOBER 2019

CONDUIT UNDER PAVED HIGHWAYS

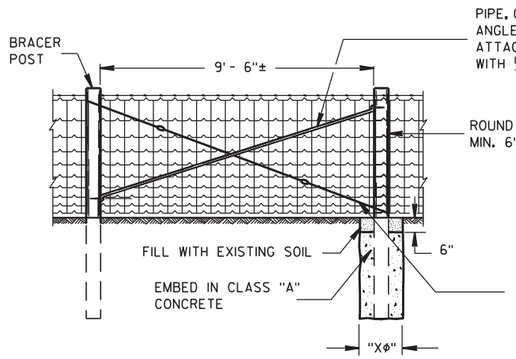
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept. 2014 — DATE
/S/ Ahmet Demirbilek — STATE ELECTI
FHWA

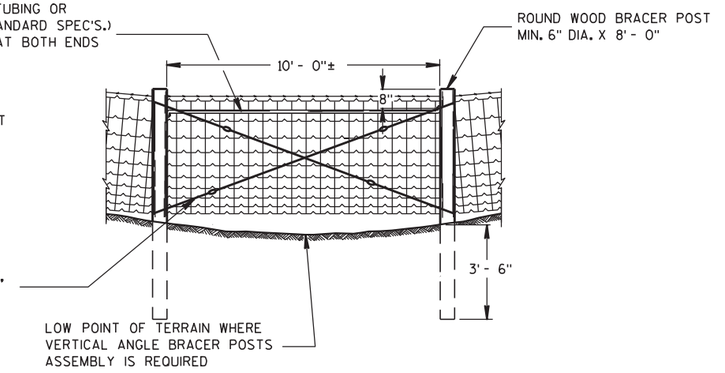
PRE_132

NOTE: PULL OR STRETCHER POST ASSEMBLIES SHALL BE PLACED MIDWAY BETWEEN END POSTS AND CORNER POSTS WHERE A RUN OF FENCE EXCEEDS 660' BUT IS LESS THAN 1,320'. FOR RUNS OF FENCE IN EXCESS OF 1,320' MAXIMUM SPACING OF PULL OR STRETCHER POST ASSEMBLIES SHALL BE 660'± C-C.

ILLUSTRATION SHOWS POSITION OF STANDARD STEEL BRACE, DOUBLE STRAND GALVANIZED WIRE, AND THE POST TO BE EMBEDDED IN CONCRETE WHEN WIRE FENCE IS INSTALLED FROM LEFT TO RIGHT. THE BRACES SHALL BE POSITIONED ON THE OPPOSITE DIAGONALS AND THE OPPOSITE POST SHALL BE EMBEDDED IN CONCRETE WHEN WIRE FENCE IS INSTALLED FROM RIGHT TO LEFT.



PULL OR STRETCHER POSTS ASSEMBLY



VERTICAL ANGLE BRACER POSTS ASSEMBLY

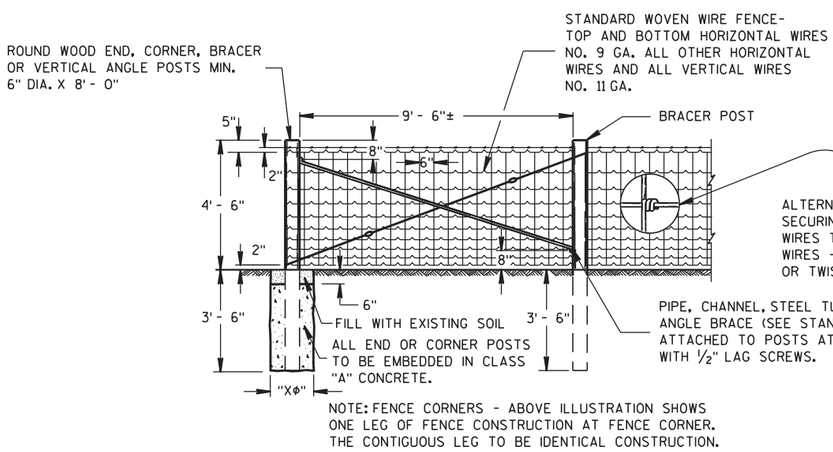
GENERAL NOTES

"XΦ" = DIAMETER OF THE POST PLUS 12".

FENCE STAPLES SHOULD NEVER BE DRIVEN VERTICALLY INTO WOOD POSTS (WITH BOTH LEGS PARALLEL WITH THE WOOD GRAIN). DOING SO CAN SEPARATE THE GRAIN AND SIGNIFICANTLY REDUCE THE HOLDING POWER. ROTATING THE STAPLES SLIGHTLY OFF VERTICAL STRADDLES THE GRAIN AND PROVIDES MORE RESISTANCE TO PULL-OUT.

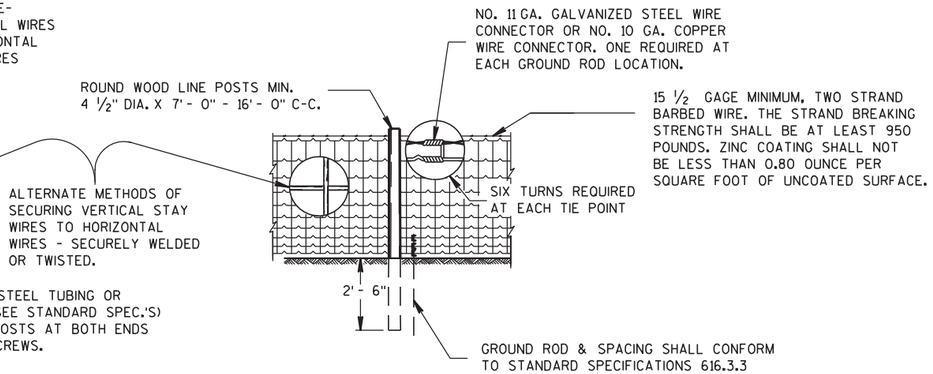
DO NOT STAPLE WIRE TIGHT TO THE LINE POSTS. ALLOW MOVEMENT OF WIRE FOR EXPANSION AND CONTRACTION. STAPLE ARRANGEMENT SHALL BE THE SAME FOR ALL OTHER POSTS EXCEPT THAT THEY SHALL BE DRIVEN TIGHT TO POSTS. ALL STAPLES SHALL BE 2" X 9 GAGE AND SHALL BE MANUFACTURED FROM GALVANIZED WIRE OR HOT DIP GALVANIZED AFTER FORMING. STAPLES SHALL HAVE SLASH-CUT POINTS.

FENCE SHALL BE LOCATED 3'-0" INSIDE THE RIGHT OF WAY LINE UNLESS OTHERWISE INDICATED ON THE PLANS.



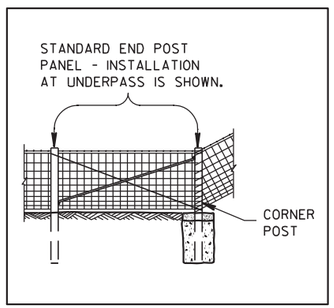
NOTE: FENCE CORNERS - ABOVE ILLUSTRATION SHOWS ONE LEG OF FENCE CONSTRUCTION AT FENCE CORNER. THE CONTIGUOUS LEG TO BE IDENTICAL CONSTRUCTION.

END OR CORNER POSTS ASSEMBLY

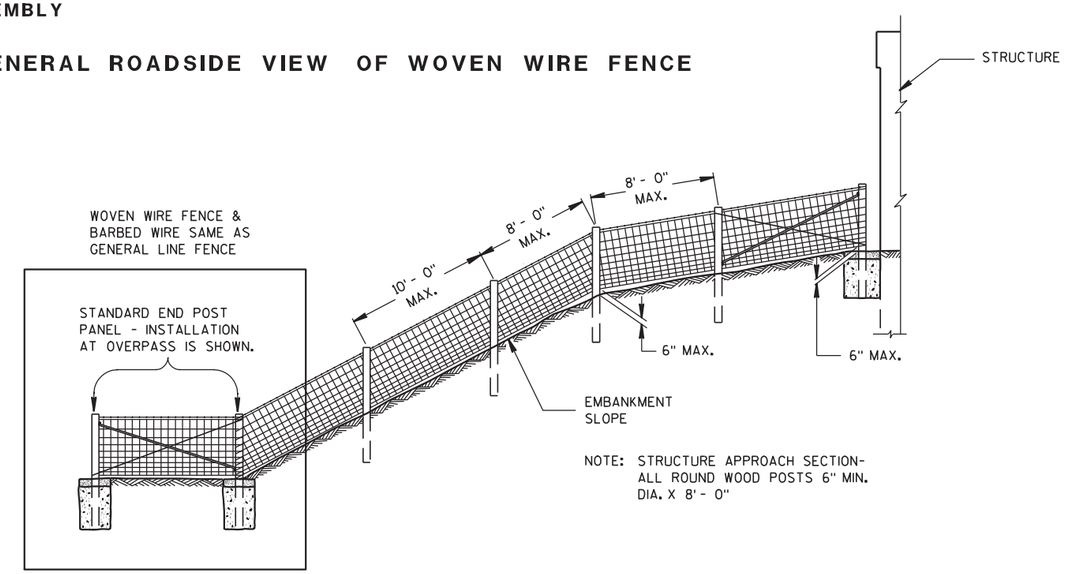


LINE FENCE CONSTRUCTION

GENERAL ROADSIDE VIEW OF WOVEN WIRE FENCE



ALTERNATE FENCE DESIGN AT STRUCTURE



FENCE DESIGN AT STRUCTURE APPROACH

APPROVED FOR DESIGN OF UTILITY ADJUSTMENTS OCTOBER 2019

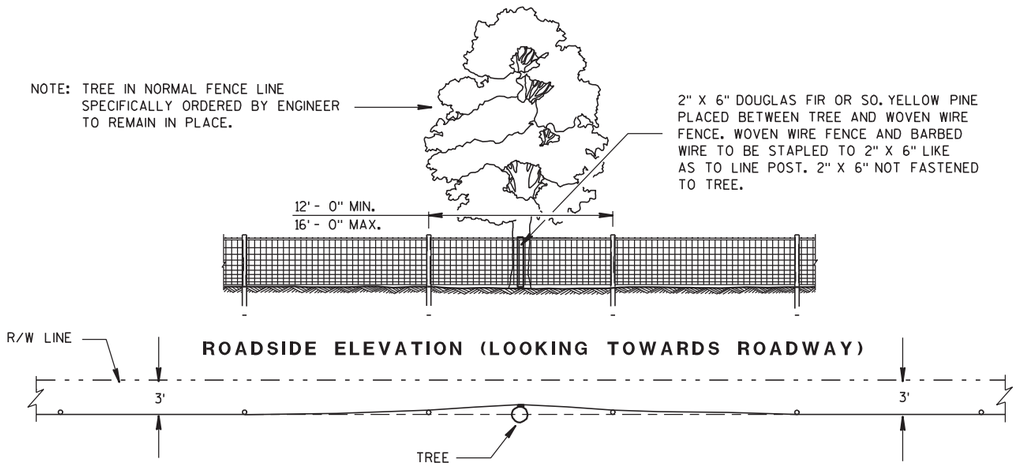
FENCE WOVEN WIRE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PRE_133

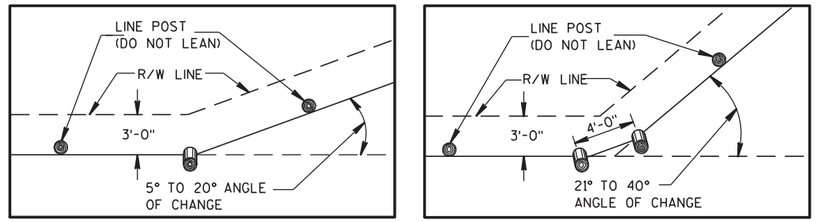
6

S.D.D. 15 B 1-8a



PLAN VIEW

FENCE DESIGN AT TREES REMAINING IN NORMAL FENCE LINE



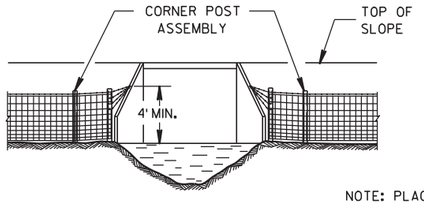
PLAN VIEW
SINGLE POST CORNER

PLAN VIEW
DOUBLE POST CORNER

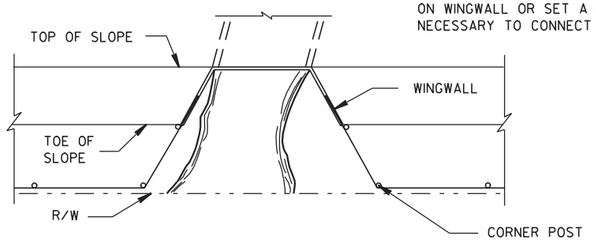
RIGHT OF WAY LINE CHANGE 40° AND LESS

NOTE: SINGLE AND DOUBLE POSTS SHALL BE A MIN. 6" DIA. X 8'-0" WITH A LEAN OF 4" TOWARD THE OUTSIDE OF THE CURVE.

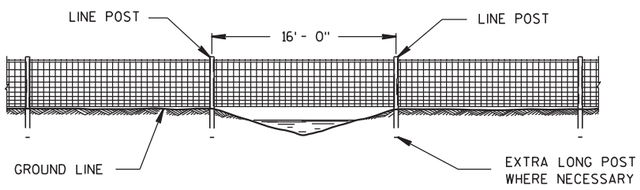
WHEN THE RIGHT OF WAY LINE CHANGE IS MORE THAN 40° USE THE CORNER OR STRETCHER POSTS ASSEMBLY.



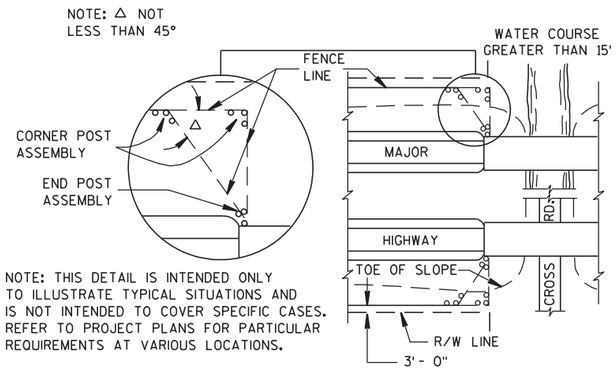
NOTE: PLACE A MINIMUM OF 4 STRANDS OF BARBED WIRE, 6" MAXIMUM CENTERS IN FAN SHAPE CONNECTED TO AN EYE BOLT ON WINGWALL OR SET A LONE POST WHEN NECESSARY TO CONNECT BARBED WIRE.



FENCE INSTALLATION TO WINGWALLS

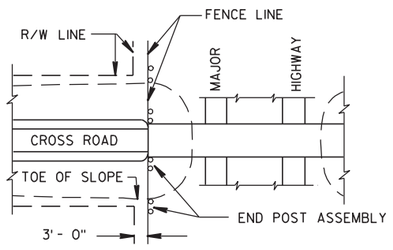


FENCE CONSTRUCTION OVER STREAM COURSES OF 15 FT. OR LESS IN WIDTH



PLAN VIEW

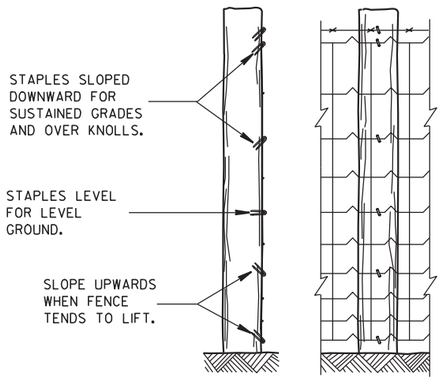
MAJOR HIGHWAY OVERPASS OR STREAM COURSE CROSSING OF GREATER THAN 15 FT. IN WIDTH



PLAN VIEW

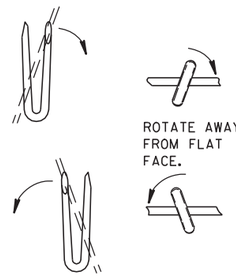
MAJOR HIGHWAY UNDERPASS

NOTE: WHEN POSTS ARE DRIVEN THE SMALL END SHALL BE DOWN.



END ELEVATION **FARM SIDE ELEVATION**

FENCE MOUNTING DETAIL



LINE POST

FENCE LOCATION AT STRUCTURES

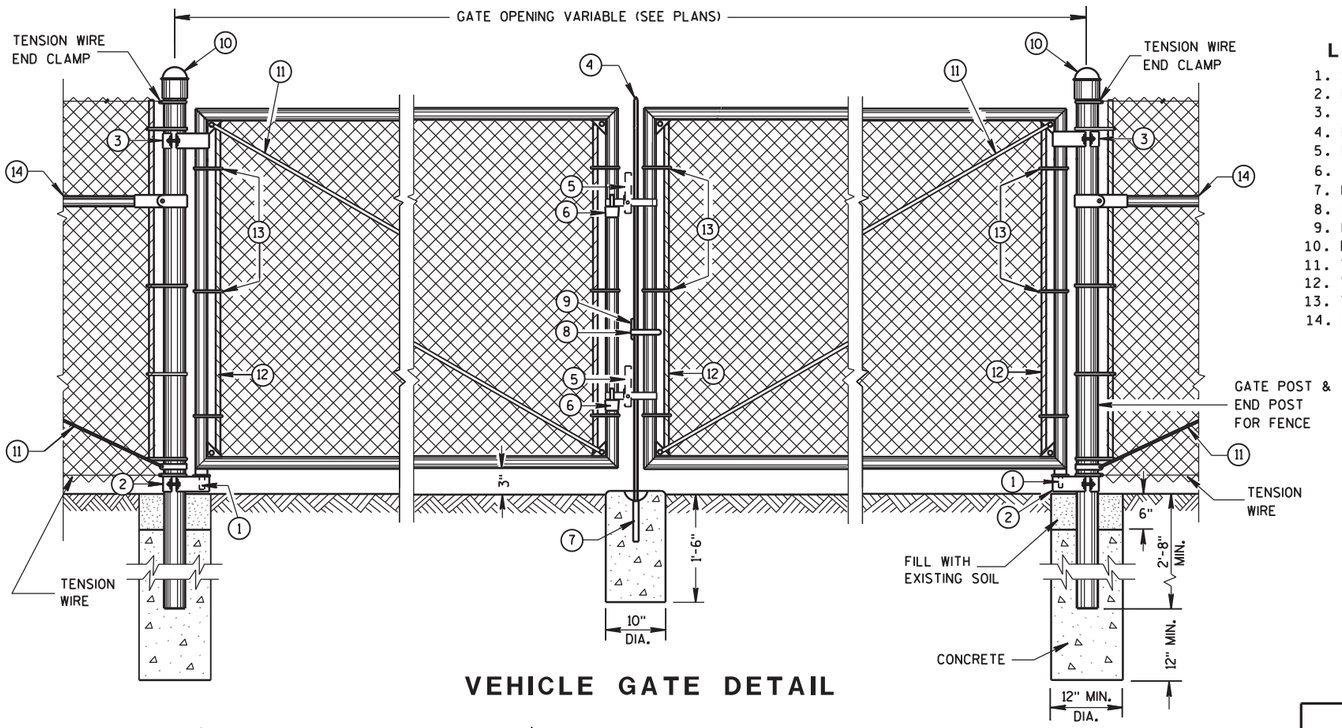
APPROVED FOR DESIGN OF UTILITY ADJUSTMENTS OCTOBER 2019

FENCE WOVEN WIRE

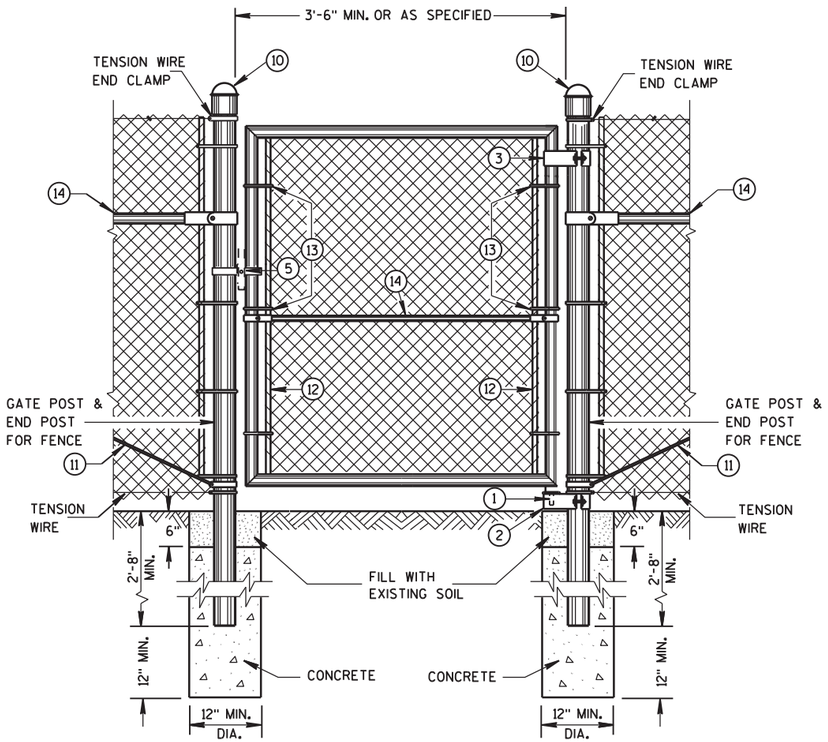
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
4/4/2008
DATE
/S/ Jerry [illegible]
ROADWAY STANDARDS ENGINEER
FHWA

PRE_134



VEHICLE GATE DETAIL



PEDESTRIAN GATE DETAIL

LEGEND

1. STRAIGHT PLUG
2. BOTTOM HINGE
3. TOP HINGE
4. PLUNGER ROD
5. FULCRUM LATCH
6. FORK CATCH *
7. PLUNGER ROD CATCH
8. LOCK KEEPER GUIDE
9. LOCK KEEPER
10. DOME TOPS
11. TRUSS RODS
12. TENSION BAR
13. TENSION BANDS
14. BRACE RAIL

*NOT REQUIRED ON SINGLE SWING PEDESTRIAN GATE

GENERAL NOTES

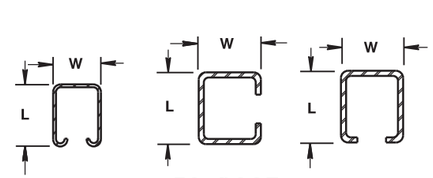
FENCE POSTS INSTALLED ON CONCRETE WALLS SHALL BE ANCHORED INTO EMBEDDED METAL SLEEVES OR CORED HOLE BY FILLING THE ANNULAR SPACE WITH PEA GRAVEL FOLLOWED BY AN EPOXY RESIN ADHESIVE. THE EPOXY RESIN ADHESIVE SHALL CONFORM TO THE REQUIREMENTS OF AASHTO M 235, CLASS A, B OR C.

USE FENCE FABRIC KNUCKLED AT BOTH SELVAGES.

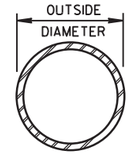
FOR LEAF GATES GREATER THAN 8 FEET WIDE, INSTALL INTERIOR VERTICAL BRACE RAIL AT 8 FOOT INTERVALS.

FOR FABRIC HEIGHTS GREATER THAN 8 FEET, INSTALL INTERIOR HORIZONTAL BRACE RAILS TO LEAF GATE.

MAXIMUM SAG FOR OUTER GATE MEMBER SHALL NOT EXCEED THE GREATER OF 1% OF THE LEAF GATE WIDTH OR 2 INCHES.



FS POST



SP POST & RAIL

CROSS SECTIONS OF POSTS AND RAILS

SHAPE, SIZE AND WEIGHT REQUIREMENTS FOR FORMED STEEL FENCE POST

POST TYPE	LENGTH (L) INCH	WIDTH (W) INCH	WEIGHT LBS/FT
FS1	1.625	1.25	1.35
FS2†	1.875	1.625	1.850
FS2	1.875	1.625	2.400
FS3	2.250	1.700	2.780

SHAPE, SIZE AND WEIGHT REQUIREMENTS FOR ROUND STEEL FENCE POST

POST TYPE	OUTSIDE DIMENSION INCH	WALL THICKNESS INCH	WEIGHT LBS/FT
SP1	1.660	0.140	2.270
SP2	1.900	0.145	2.720
SP3	2.375	0.154	3.650
SP4	2.875	0.203	5.800
SP5	4.000	0.226	9.120
SP6	6.625	0.280	18.990
SP7	8.625	0.322	28.580

REQUIRED FENCE POST SIZES

USE	FABRIC HEIGHTS FEET	POST TYPE
TERMINAL POSTS **	LESS THAN OR EQUAL TO 6 FT.	SP3
	GREATER THAN OR EQUAL TO 6 FT.	SP4
LINE POSTS	LESS THAN OR EQUAL TO 6 FT.	SP2
	LESS THAN OR EQUAL TO 8 FT.	SP3
	GREATER THAN OR EQUAL TO 8 FT.	SP4
	LESS THAN OR EQUAL TO 8 FT.	FS2 OR FS2†
	GREATER THAN OR EQUAL TO 8 FT.	FS3

REQUIRED POST SIZE FOR GATES

USE	LEAF WIDTHS FEET	POST TYPE
GATES	LESS THAN OR EQUAL TO 6 FT.	SP4
	LESS THAN OR EQUAL TO 13 FT.	SP5
	LESS THAN OR EQUAL TO 18 FT.	SP6
	LESS THAN OR EQUAL TO 23 FT.	SP7

BRACE RAIL TYPES

USE		TYPE
BRACE RAIL		SP1 OR FS1

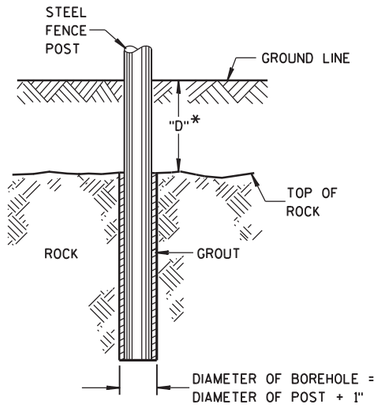
** INCLUDES END, CORNER, ANGLE, INTERSECTION AND INTERMEDIATE BRACED POSTS

APPROVED FOR DESIGN OF UTILITY ADJUSTMENTS OCTOBER 2019

FENCE CHAIN LINK

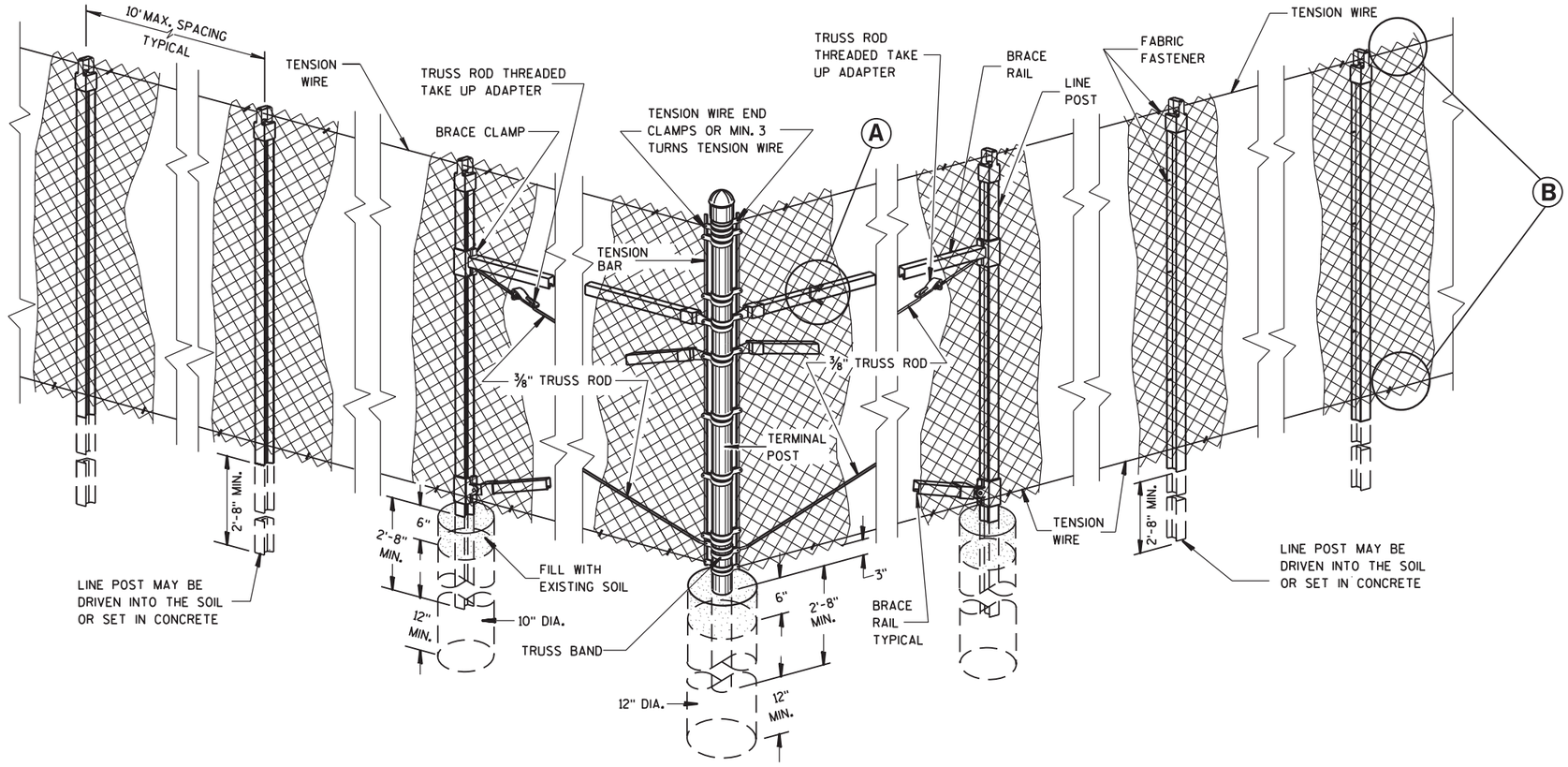
STATE OF WISCONSIN
DEPARTMENT OF TRAN PRE_135

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S.D.D. 15 B 3-13a

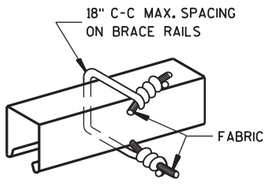


*IF "D" IS LESS THAN 2'-6", DRILL ROCK AND INSTALL GROUT

ROCK INSTALLATION OF LINE POST



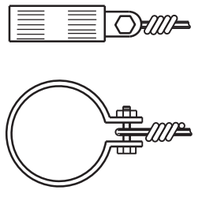
END, CORNER, ANGLE INTERSECTION & INTERMEDIATE BRACED POSTS



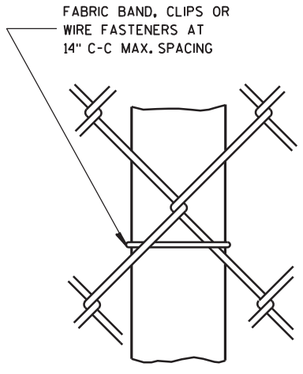
BRACE RAIL

FABRIC FASTENER

Ⓐ



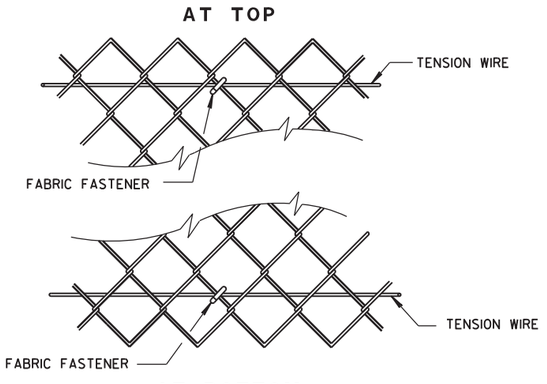
TENSION WIRE END CLAMP



LINE POST

FABRIC FASTENER

AT TOP



AT BOTTOM

SELVAGES

Ⓑ

APPROVED FOR DESIGN OF UTILITY ADJUSTMENTS OCTOBER 2019

FENCE CHAIN LINK

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
7/16/2013
DATE
FHWA

/S/ Jerry H. Zogg
ROADWAY STANDARDS ENGINEER

PRE_136

6

S.D.D. 15 B 3-13b

6

S.D.D. 15 B 3-13b

GENERAL NOTES

ORIENT ANCHOR BOLTS IN FOOTING AND PROVIDE ANCHOR BOLT STICK OUT ABOVE TOP OF CONCRETE FOOTING BASE PER FABRICATION DRAWING.

BENDING DIMENSIONS FOR REINFORCING BARS ARE OUT TO OUT.

USE 3" CLEAR FOR ALL REINFORCEMENT UNLESS NOTED OTHERWISE.

SIGN SUPPORTS SHALL BE LOCATED NORMAL TO ROADWAY.

THE CONTRACTOR IS RESPONSIBLE FOR MAKING HIS OWN DETERMINATION AS TO THE TYPE AND LOCATION OF UNDERGROUND UTILITIES AS MAY BE NECESSARY TO AVOID DAMAGE THERETO.

WELDING OF ANCHOR BOLTS TO THE CAGE IS UNACCEPTABLE. TEMPLATES SHALL BE USED.

BAR CAGE TO BE ASSEMBLED USING TIE WIRES ONLY, NO WELDING.

BASES (SHAFT) SHALL BE EXCAVATED BY THE USE OF A CIRCULAR AUGER. IF A BASE REQUIRES A DEEP FORM BECAUSE OF LOOSE SOIL, THE FORM SHALL BE REMOVED BEFORE BACK FILLING AROUND THE BASE. ANY REQUIRED BACKFILL SHALL BE WELL COMPACTED IN LAYERS OF 1 FOOT OR LESS. COMPACTION SHALL BE BY MECHANICAL MEANS. CARE SHALL BE TAKEN SO NO DAMAGE OCCURS TO THE CONCRETE BASE DURING COMPACTION.

EXCAVATION OF MATERIALS NOT OCCUPIED BY CONCRETE SHALL BE MINIMIZED TO REDUCE DISTURBANCE OF THE SURROUNDING SOILS.

THE BOTTOM OF THE DRILLED HOLE SHALL BE FIRM AND THOROUGHLY CLEANED SO NO LOOSE OR COMPRESSIBLE MATERIALS ARE PRESENT AT THE TIME OF THE CONCRETE PLACEMENT.

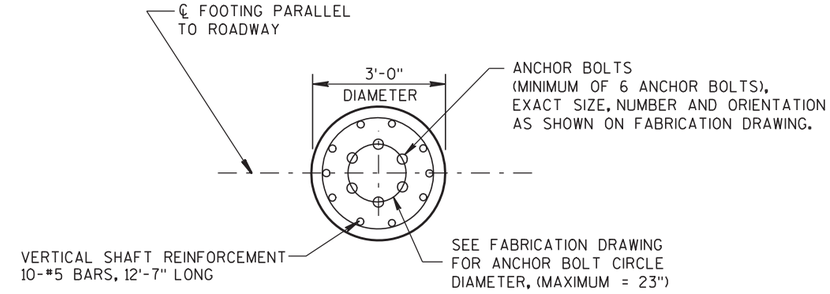
IF THE DRILLED HOLE CONTAINS STANDING WATER, THE CONCRETE SHALL BE PLACED USING A TREMIE TO DISPLACE THE WATER.

THE REINFORCEMENT AND ANCHOR BOLTS SHALL BE ADEQUATELY SUPPORTED IN THE PROPER POSITIONS SO NO MOVEMENT OCCURS DURING CONCRETE PLACEMENT.

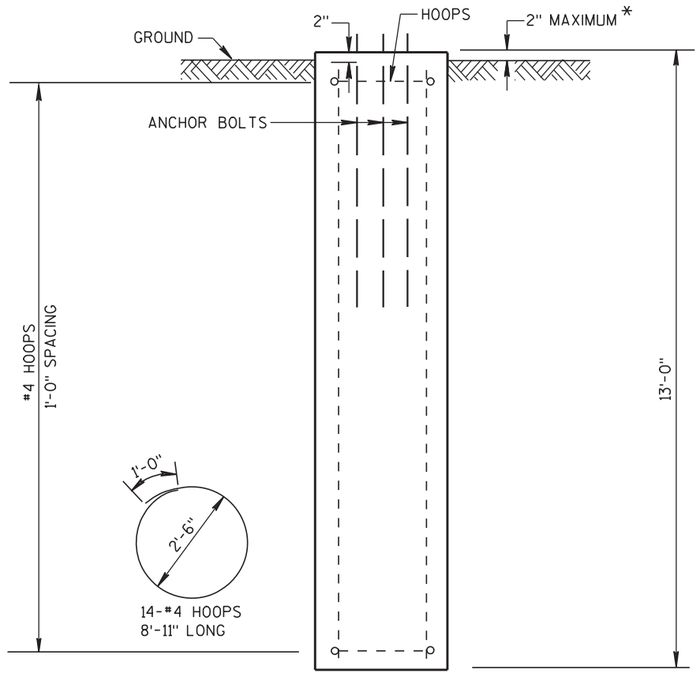
ANY DAMAGE TO THE CONCRETE BASE DURING CONSTRUCTION OPERATIONS SHALL BE REPAIRED AT THE ENGINEER'S DIRECTION, AT THE EXPENSE OF THE CONTRACTOR.

CONCRETE MASONRY	fc=3,500 p.s.i.
HIGH STRENGTH BAR STEEL REINFORCEMENT, GRADE 60	fy=60,000 p.s.i.
ANCHOR BOLTS	AASHTO M314 GRADE 55

THIS FOOTING HAS BEEN DESIGNED FOR SITES WHERE SOILS EXHIBIT A PHI-ANGLE GREATER THAN OR EQUAL TO 20 DEGREES (GRANULAR SOILS), OR A COHESION VALUE GREATER THAN OR EQUAL TO 350 PSF (COHESIVE SOILS).



PLAN VIEW



ELEVATION VIEW

* FOR OVERHEAD SIGN SUPPORTS THAT ARE INSTALLED ADJACENT TO SIDEWALKS, THE TOP OF THE BASE SHALL BE POURED FLUSH WITH THE GROUND.

CONCRETE - 3.4 C.Y. PER FOOTING
H.S. REINFORCEMENT - 215 LBS. PER FOOTING

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36" DIAMETER FULL SPAN OVERHEAD SIGN SUPPORT BASE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

4/17/09 — DATE

/S/ Thomas N Nothdurm — STATE TRAFFIC ENGINEER

FHWA

PRE_137

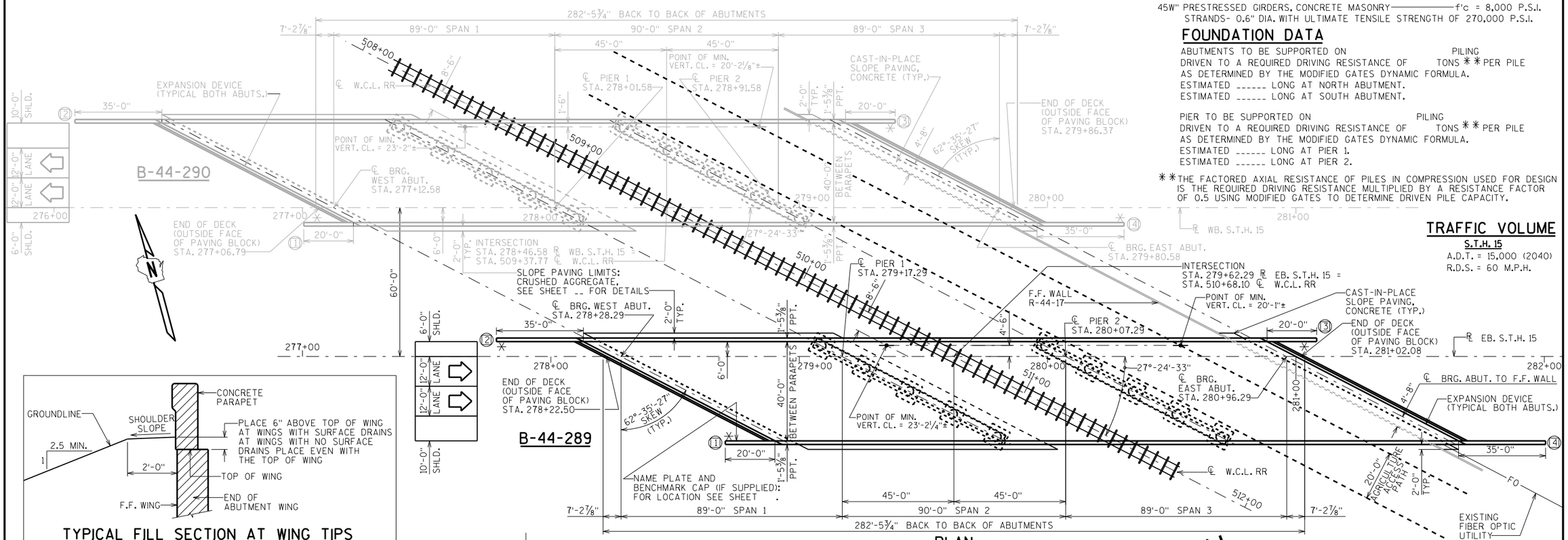
6

S.D.D. 15 C 15-3

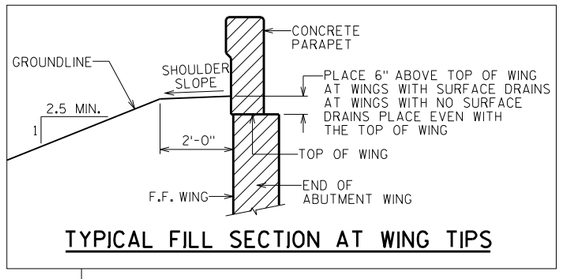
✳PROVIDE FOR THRIE BEAM GUARD RAIL ATTACHMENT AT UNUSED ANCHOR ASSEMBLIES CAULK HOLES SHUT WITH "100% SILICONE CAULK".

(2) INDICATES WING NUMBER

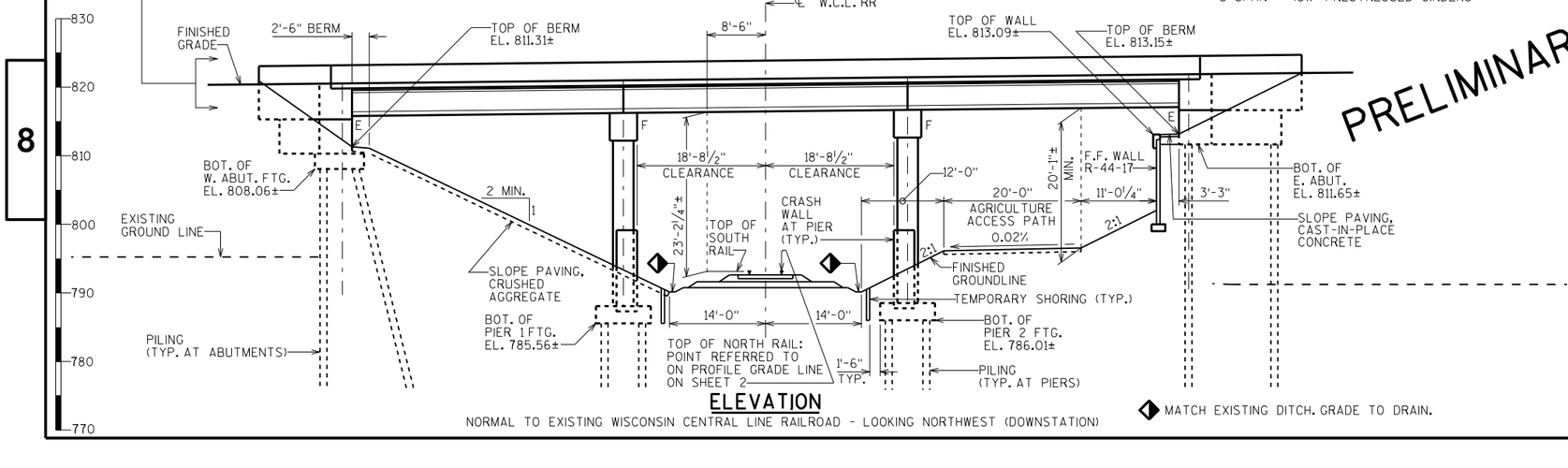
NOTE:
SURFACE DRAIN ANCHORS/CONCRETE SHOULDER TIE BARS REQUIRED AT WINGS 1 & 2.



PLAN
3 SPAN - 45W" PRESTRESSED GIRDERS



TYPICAL FILL SECTION AT WING TIPS



ELEVATION
NORMAL TO EXISTING WISCONSIN CENTRAL LINE RAILROAD - LOOKING NORTHWEST (DOWNSTATION)

◆ MATCH EXISTING DITCH. GRADE TO DRAIN.

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.
45W" 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 AT NORTH ABUTMENT.
ESTIMATED _____ LONG AT SOUTH ABUTMENT.

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 AT PIER 1.
ESTIMATED _____ LONG AT PIER 2.

** 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

S.T.H. 15
A.D.T. = 15,000 (2040)
R.D.S. = 60 M.P.H.

PRELIMINARY PLAN

LIST OF DRAWINGS

1. GENERAL PLAN
2. CROSS SECTION & QUANTITIES
3. SUBSURFACE EXPLORATION
4.
5.
6.
7.
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20.

STRUCTURES DESIGN CONTACTS:
MAY LIU (608) 266-5163
DAVID KIEKBUSCH (608) 266-5084

APPROVED FOR DESIGN OF UTILITY ADJUSTMENT OCTOBER 2019

NO.	DATE	REVISION	BY

Plans Prepared By **WISDOT**
BUREAU OF STRUCTURES

ACCEPTED _____ CHIEF STRUCTURES DESIGN ENGINEER _____ DATE

STATE PROJECT NUMBER
1146-75-71

STRUCTURE B-44-289

STH 15 EASTBOUND LANES OVER WCL RAILROAD

COUNTY	TOWN
OUTAGAMIE	HORTONIA

DESIGN SPEC. AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS

DESIGNED BY	DESIGN CK'D.	DRAWN BY	PLANS CK'D.
MWL	NAR	JPH	nar

GENERAL PLAN — SHEET 1 OF

PRE_138

I.D. 1146-75-001

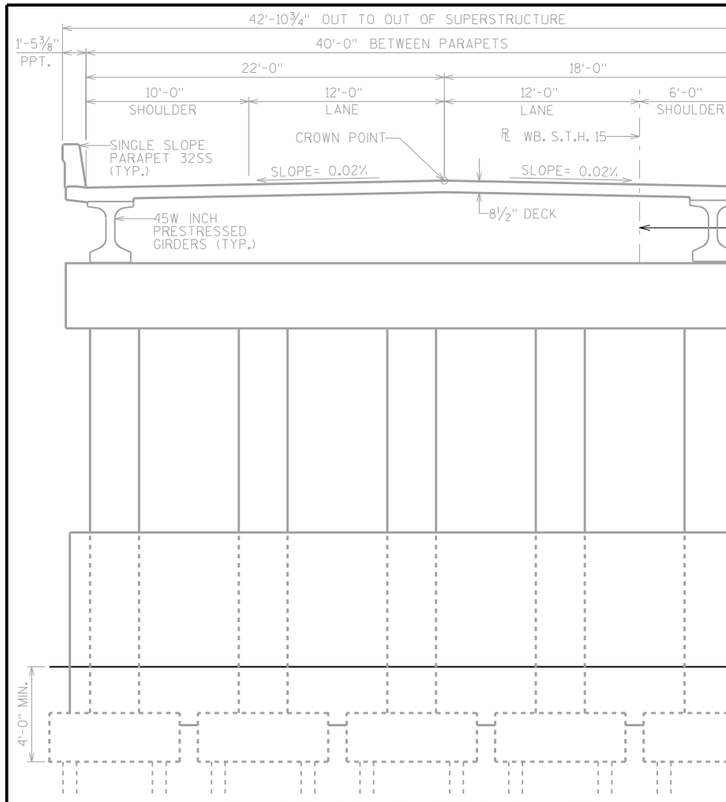
DATE: FEB. 2015

SCALE = 20

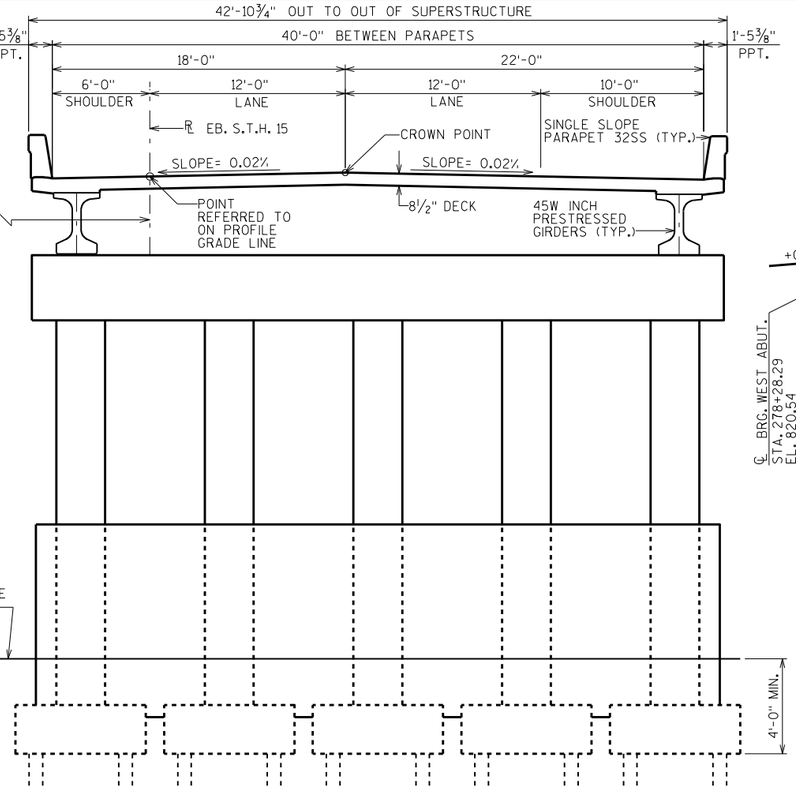
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STATE PROJECT NUMBER

1146-75-71

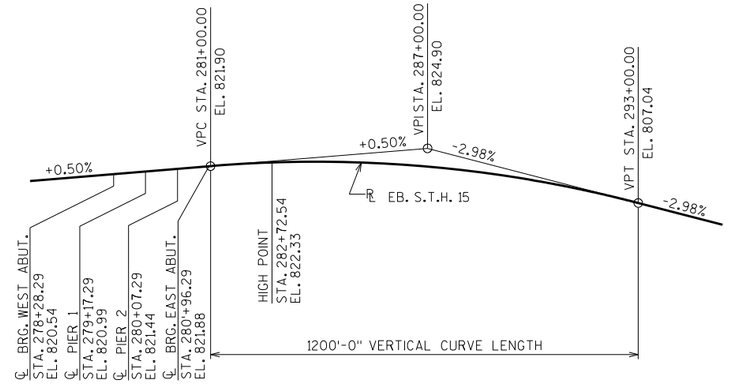


B-44-290 (S.T.H. 15 WESTBOUND LANES)

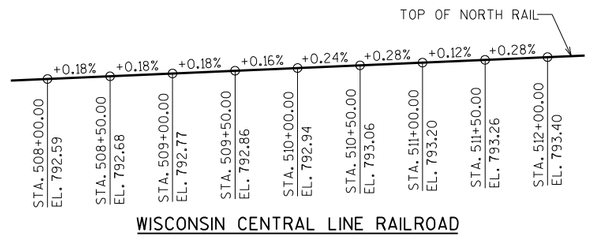


B-44-289 (S.T.H. 15 EASTBOUND LANES)

CROSS SECTION THRU ROADWAY LOOKING EAST (UPSTATION)



PROFILE GRADE LINE FOR EB. S.T.H. 15



WISCONSIN CENTRAL LINE RAILROAD

PROFILE GRADE LINE FOR EXISTING RAILROAD

(FOR INFORMATIONAL PURPOSES ONLY)

TOTAL ESTIMATED QUANTITIES

BID ITEM NUMBER	BID ITEMS	UNIT	SUPER.	WEST ABUT.	EAST ABUT.	PIER 1	PIER 2	TOTALS
206.1000	EXCAVATION FOR STRUCTURES BRIDGES B-44-289	LS	——	——	——	——	——	1
210.0100	BACKFILL STRUCTURE	CY	——			——	——	
502.0100	CONCRETE MASONRY BRIDGES	CY						
502.3100	EXPANSION DEVICE B-44-289	LS	——	——	——	——	——	1
502.3200	PROTECTIVE SURFACE TREATMENT	SY				——	——	
503.0146	PRESTRESSED GIRDER TYPE I 45W-INCH	LF		——	——	——	——	
505.0405	BAR STEEL REINFORCEMENT HS BRIDGES	LB	——					
505.0605	BAR STEEL REINFORCEMENT HS COATED BRIDGES	LB						
506.2605	BEARING PADS ELASTOMERIC NON-LAMINATED	EACH	——	——	——			
506.2610	BEARING PADS ELASTOMERIC LAMINATED	EACH	——			——	——	
506.4000	STEEL DIAPHRAGMS B-44-289	EACH		——	——	——	——	
516.0500	RUBBERIZED MEMBRANE WATERPROOFING	SY	——			——	——	
	PILING	LF	——					
604.0400	SLOPE PAVING CONCRETE	SY	——	——		——	——	
604.0500	SLOPE PAVING CRUSHED AGGREGATE	SY	——		——	——	——	
612.0406	PIPE UNDERDRAIN WRAPPED 6-INCH	LF	——			——	——	
614.0150	ANCHOR ASSEMBLIES FOR STEEL PLATE BEAM GUARD	EACH	——			——	——	
SPV.0165	TEMPORARY SHORING RAILROAD	SF	——	——	——			
	NON-BID ITEMS							
	FILLER/EXPANDED POLYSTYRENE	SIZE	——	——	——	——	——	½", ¾" &1"
	BRIDGE SEAT PROTECTION	LS	——	——	——	——	——	1

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.

APPLY BRIDGE SEAT PROTECTION, AS PER SECTION 502.3.12 OF THE STANDARD SPECIFICATIONS, TO THE TOP SURFACES OF THE ABUTMENTS BELOW THE EXPANSION DEVICES.

THE GRADATION OF THE STRUCTURE BACKFILL SHALL MEET THE REQUIREMENTS OF SECTION 209.2.2 OF THE STANDARD SPECIFICATIONS FOR GRADE 1 MATERIAL.

THE EXISTING GROUND LINE SHALL BE USED AS THE UPPER LIMITS OF EXCAVATION AT THE PIERS.

PROTECTIVE SURFACE TREATMENT TO BE APPLIED TO THE ENTIRE TOP OF DECK SURFACE AND 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 SLOPE PAVING MATERIAL TO THE EXTENT SHOWN ON SHEET 1 AND IN THE ABUTMENT DETAILS.

RAILROAD REQUIREMENTS DO NOT ALLOW WORK WITHIN 50 FEET OF TRACK CENTERLINE WHEN A TRAIN PASSES THE WORK SITE AND ALL PERSONNEL MUST CLEAR THE AREA WITHIN 25 FEET OF THE TRACK CENTERLINE AND SECURE ALL EQUIPMENT.

FINAL LOCATION & TYPE OF SHORING SYSTEM TO BE DETERMINED BY THE CONTRACTOR. THE CONTRACTOR SHALL SUBMIT ALL DESIGN DRAWINGS AND CALCULATIONS DIRECTLY TO THE RAILROAD.

APPROVED FOR DESIGN OF UTILITY ADJUSTMENTS OCTOBER 2019

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-44-289

DRAWN BY JPH | PLANS CK'D. NAR

CROSS SECTION & QUANTITIES

SHEET 2

PRE_139

SCALE = 4.5

8

8

✳PROVIDE FOR THRIE BEAM GUARD RAIL ATTACHMENT AT UNUSED ANCHOR ASSEMBLIES CAULK HOLES SHUT WITH "100% SILICONE CAULK".

ⓝINDICATES WING NUMBER

NOTE:
SURFACE DRAIN ANCHORS/CONCRETE SHOULDER TIE BARS REQUIRED AT WINGS 1 & 2.

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.
45W" 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.

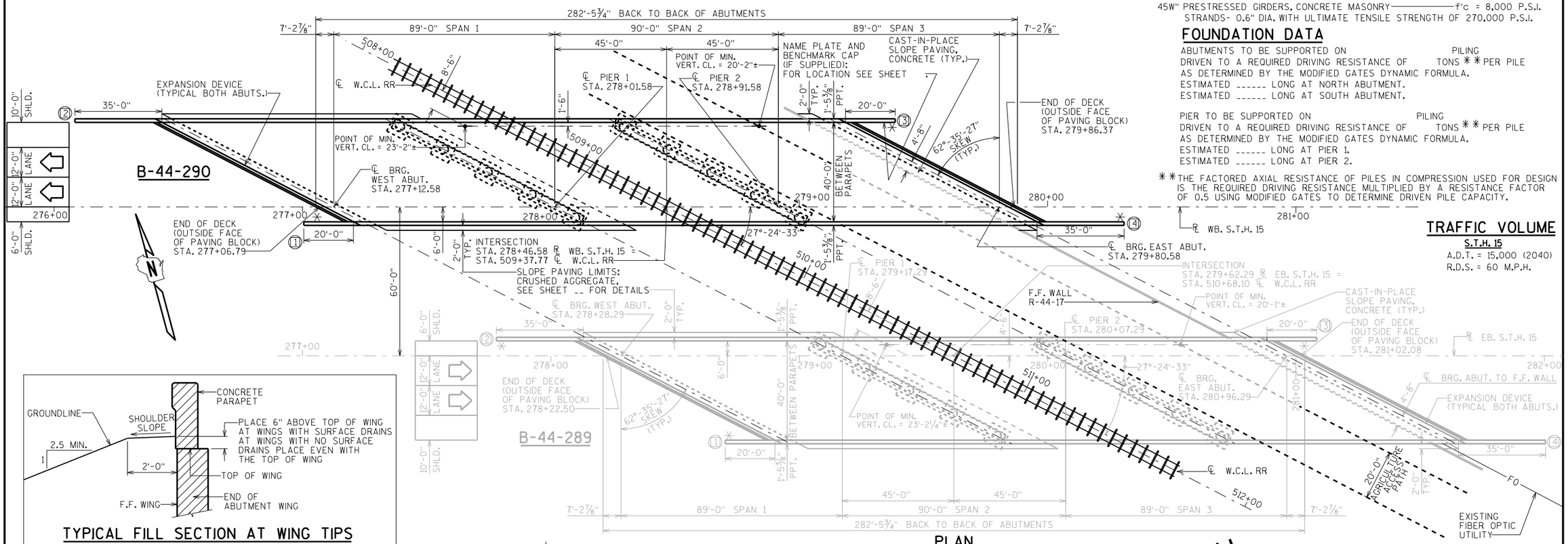
FOUNDATION DATA

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 AT NORTH ABUTMENT.
ESTIMATED _____ LONG AT SOUTH ABUTMENT.

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 AT PIER 1.
ESTIMATED _____ LONG AT PIER 2.

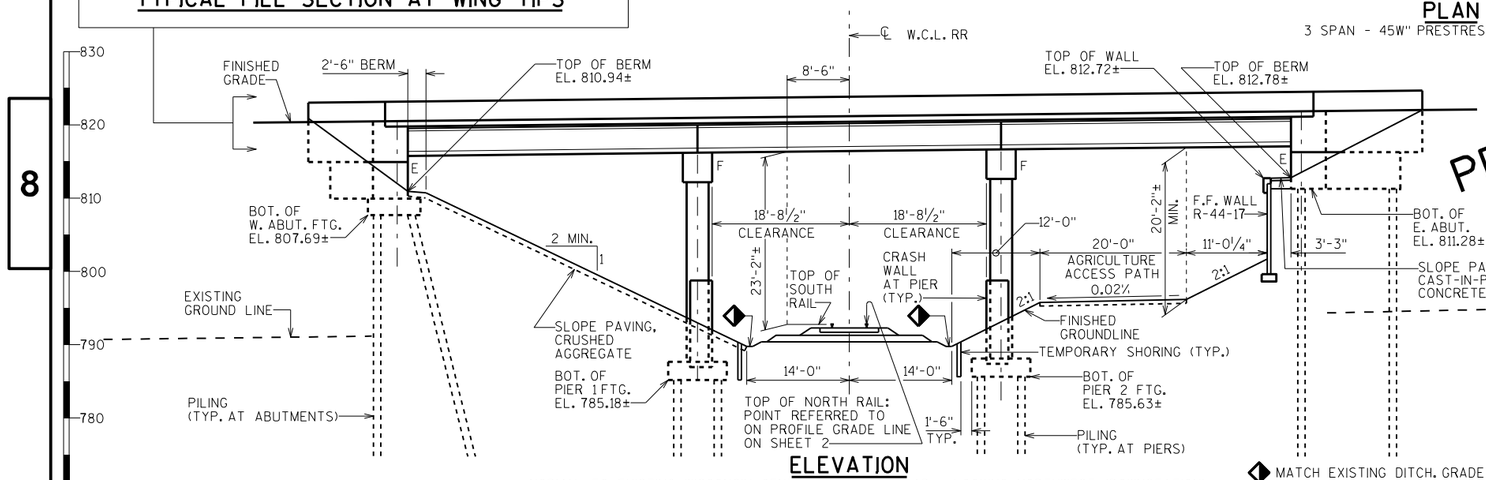
** THE FACTORED AXIAL RESISTANCE OF PILES IN COMPRESSION USED FOR DESIGN IS THE REQUIRED DRIVING RESISTANCE MULTIPLIED BY A RESISTANCE FACTOR OF 0.5 USING MODIFIED GATES TO DETERMINE DRIVEN PILE CAPACITY.

STATE PROJECT NUMBER
1146-75-71



PLAN
3 SPAN - 45W" PRESTRESSED GIRDERS

TYPICAL FILL SECTION AT WING TIPS



ELEVATION
NORMAL TO EXISTING WISCONSIN CENTRAL LINE RAILROAD - LOOKING NORTHWEST (DOWNSTATION)

◆ MATCH EXISTING DITCH. GRADE TO DRAIN.

PRELIMINARY PLAN

APPROVED FOR DESIGN OF UTILITY ADJUSTMENT OCTOBER 2019

TRAFFIC VOLUME

S.T.H. 15
A.D.T. = 15,000 (2040)
R.D.S. = 60 M.P.H.

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.
16.
17.
18.
19.
20.

STRUCTURES DESIGN CONTACTS:
MAY LIU (608) 266-5163
DAVID KIEKBUSCH (608) 266-5084

NO.	DATE	REVISION	BY

Plans Prepared By **WISDOT**
BUREAU OF STRUCTURES

ACCEPTED _____ CHIEF STRUCTURES DESIGN ENGINEER _____ DATE

STRUCTURE B-44-290

STH 15 WESTBOUND LANES OVER WCL RAILROAD

COUNTY OUTAGAMIE | TOWN HORTONIA

DESIGN SPEC. AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS

DESIGNED BY	DESIGN CK'D.	DRAWN BY	PLANS CK'D.
MWL	NAR	JPH	nar

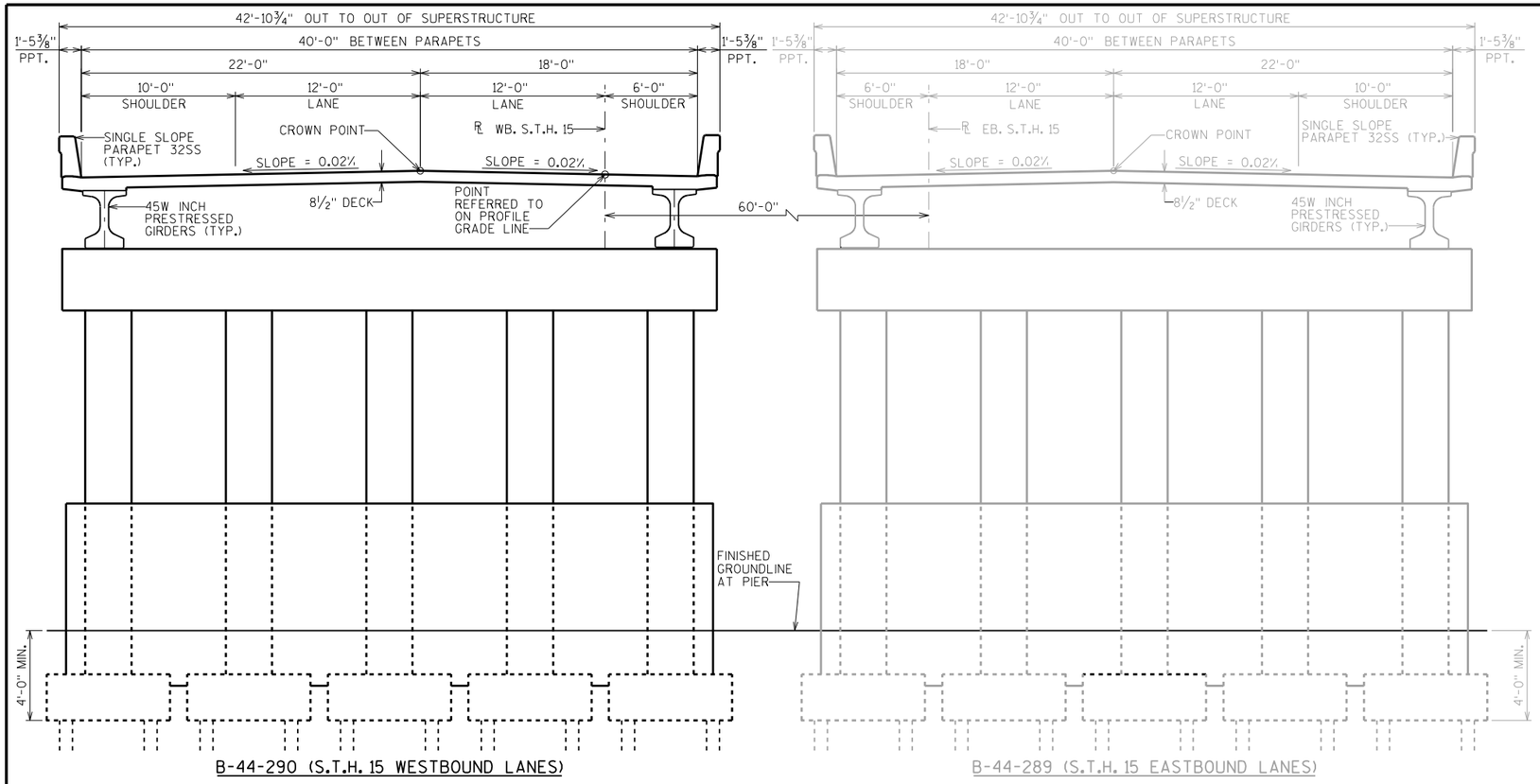
GENERAL PLAN — SHEET 1 OF

PRE_140

I.D. 1146-75-00J

DATE: FEB. 2015

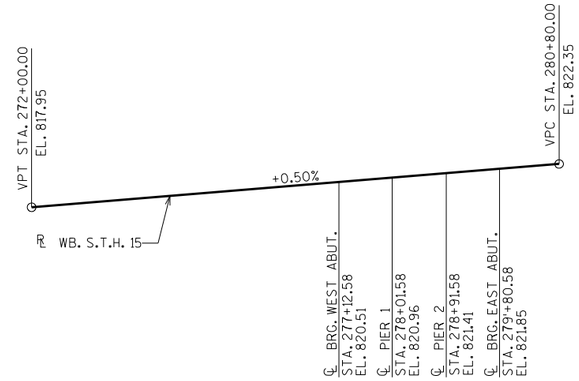
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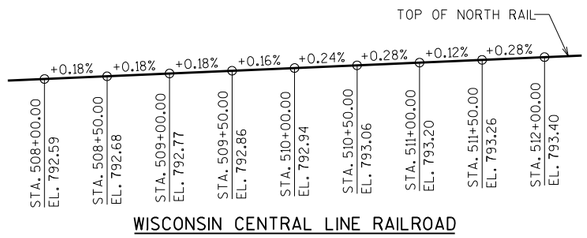
CROSS SECTION THRU ROADWAY LOOKING EAST (UPSTATION)

STATE PROJECT NUMBER

1146-75-71



PROFILE GRADE LINE FOR WB. S.T.H. 15



WISCONSIN CENTRAL LINE RAILROAD

PROFILE GRADE LINE FOR EXISTING RAILROAD

(FOR INFORMATIONAL PURPOSES ONLY)

TOTAL ESTIMATED QUANTITIES

BID ITEM NUMBER	BID ITEMS	UNIT	SUPER.	WEST ABUT.	EAST ABUT.	PIER 1	PIER 2	TOTALS
206.1000	EXCAVATION FOR STRUCTURES BRIDGES B-44-290	LS	——	——	——	——	——	1
210.0100	BACKFILL STRUCTURE	CY	——			——	——	
502.0100	CONCRETE MASONRY BRIDGES	CY						
502.3100	EXPANSION DEVICE B-44-290	LS	——	——	——	——	——	1
502.3200	PROTECTIVE SURFACE TREATMENT	SY				——	——	
503.0146	PRESTRESSED GIRDER TYPE I 45W-INCH	LF		——	——	——	——	
505.0405	BAR STEEL REINFORCEMENT HS BRIDGES	LB	——					
505.0605	BAR STEEL REINFORCEMENT HS COATED BRIDGES	LB						
506.2605	BEARING PADS ELASTOMERIC NON-LAMINATED	EACH	——	——	——			
506.2610	BEARING PADS ELASTOMERIC LAMINATED	EACH	——			——	——	
506.4000	STEEL DIAPHRAGMS B-44-290	EACH		——	——	——	——	
516.0500	RUBBERIZED MEMBRANE WATERPROOFING	SY	——			——	——	
	PILING	LF	——					
604.0400	SLOPE PAVING CONCRETE	SY	——	——		——	——	
604.0500	SLOPE PAVING CRUSHED AGGREGATE	SY	——		——	——	——	
612.0406	PIPE UNDERDRAIN WRAPPED 6-INCH	LF	——			——	——	
614.0150	ANCHOR ASSEMBLIES FOR STEEL PLATE BEAM GUARD	EACH	——			——	——	
SPV.0165	TEMPORARY SHORING RAILROAD	SF	——	——	——			
	NON-BID ITEMS							
	FILLER/EXPANDED POLYSTYRENE	SIZE	——	——	——	——	——	½", ¾" &1"
	BRIDGE SEAT PROTECTION	LS	——	——	——	——	——	1

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.

APPLY BRIDGE SEAT PROTECTION, AS PER SECTION 502.3.12 OF THE STANDARD SPECIFICATIONS, TO THE TOP SURFACES OF THE ABUTMENTS BELOW THE EXPANSION DEVICES.

THE GRADATION OF THE STRUCTURE BACKFILL SHALL MEET THE REQUIREMENTS OF SECTION 209.2.2 OF THE STANDARD SPECIFICATIONS FOR GRADE 1 MATERIAL.

THE EXISTING GROUND LINE SHALL BE USED AS THE UPPER LIMITS OF EXCAVATION AT THE PIERS.

PROTECTIVE SURFACE TREATMENT TO BE APPLIED TO THE ENTIRE TOP OF DECK SURFACE AND 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 SLOPE PAVING MATERIAL TO THE EXTENT SHOWN ON SHEET 1 AND IN THE ABUTMENT DETAILS.

RAILROAD REQUIREMENTS DO NOT ALLOW WORK WITHIN 50 FEET OF TRACK CENTERLINE WHEN A TRAIN PASSES THE WORK SITE AND ALL PERSONNEL MUST CLEAR THE AREA WITHIN 25 FEET OF THE TRACK CENTERLINE AND SECURE ALL EQUIPMENT.

FINAL LOCATION & TYPE OF SHORING SYSTEM TO BE DETERMINED BY THE CONTRACTOR. THE CONTRACTOR SHALL SUBMIT ALL DESIGN DRAWINGS AND CALCULATIONS DIRECTLY TO THE RAILROAD.

APPROVED FOR DESIGN
UTILITY ADJUSTMENTS
OCTOBER 2019

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-44-290

DRAWN BY JPH | PLANS CK'D. NAR

CROSS SECTION & QUANTITIES

SHEET 2

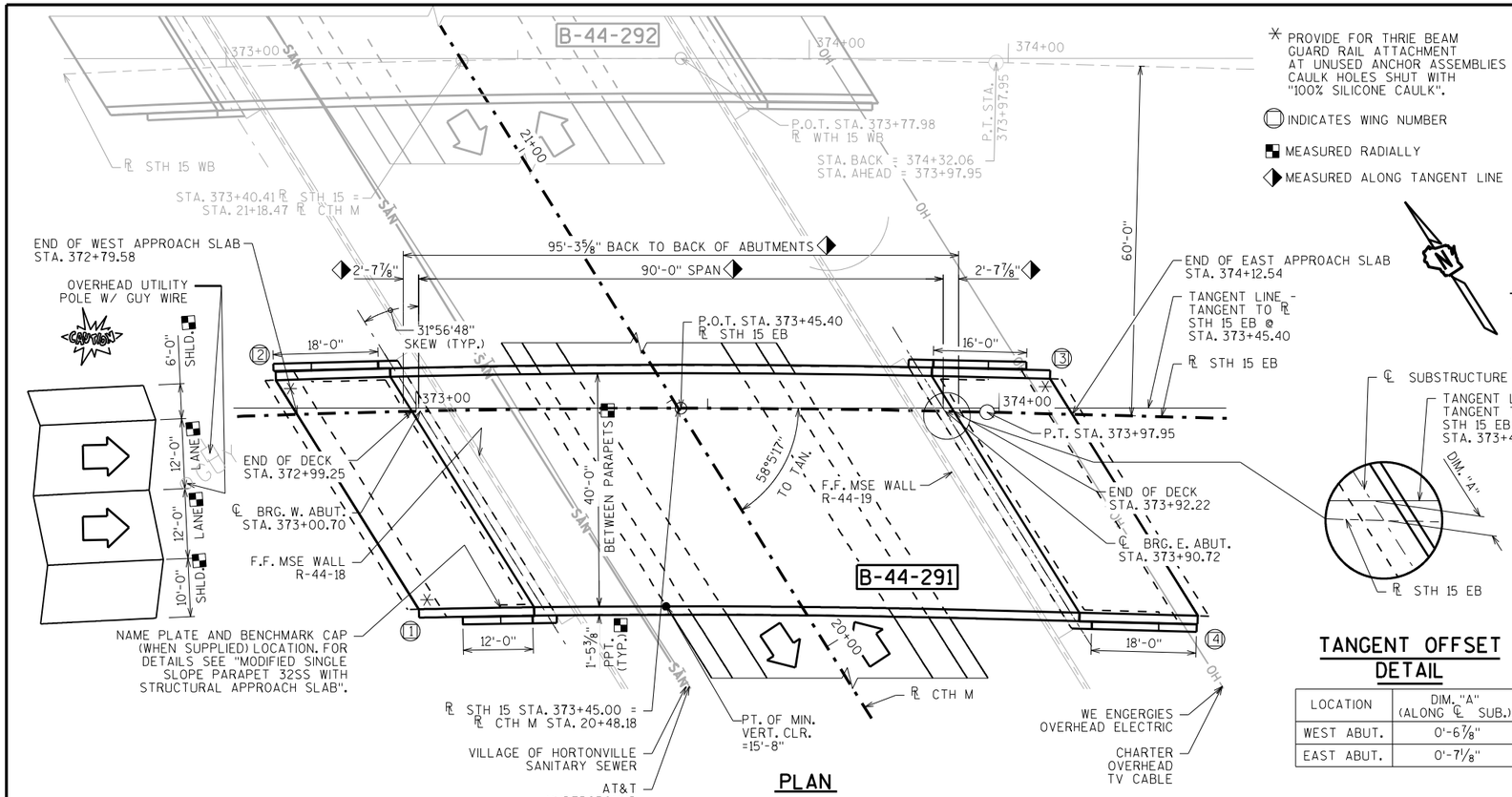
PRE_141

SCALE = 4.5

8

8

STATE PROJECT NUMBER
1146-75-71



PLAN

SINGLE SPAN - 36W" PRESTRESSED GIRDERS

✳ PROVIDE FOR THRIE BEAM GUARD RAIL ATTACHMENT AT UNUSED ANCHOR ASSEMBLIES CAULK HOLES SHUT WITH "100% SILICONE CAULK".

INDICATES WING NUMBER

MEASURED RADIALLY

MEASURED ALONG TANGENT LINE

DESIGN DATA

LIVE LOAD:

DESIGN LOADING; HL-93
INVENTORY RATING FACTOR: RF=1.05
OPERATING RATING FACTOR: RF=1.36
WISCONSIN STANDARD PERMIT VEHICLE (WIS.-SPV): 250 (KIPS)

STRUCTURE IS DESIGNED FOR A FUTURE WEARING SURFACE OF 20 POUNDS PER SQUARE FOOT.

MATERIAL PROPERTIES:

CONCRETE MASONRY SUPERSTRUCTURE — 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 = 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 HP 12X53 STEEL PILING DRIVEN TO A REQUIRED DRIVING RESISTANCE OF 220 TONS✳✳ PER PILE AS DETERMINED BY THE MODIFIED GATES DYNAMIC FORMULA.
ESTIMATED 35'-0" LONG AT THE WEST ABUTMENT, PILE POINTS REQUIRED.
ESTIMATED 30'-0" LONG AT THE EAST ABUTMENT, PILE POINTS REQUIRED.

✳✳ 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.

TANGENT OFFSET DETAIL

LOCATION	DIM. "A" (ALONG ℄ SUB.)
WEST ABUT.	0'-6⅞"
EAST ABUT.	0'-7⅛"

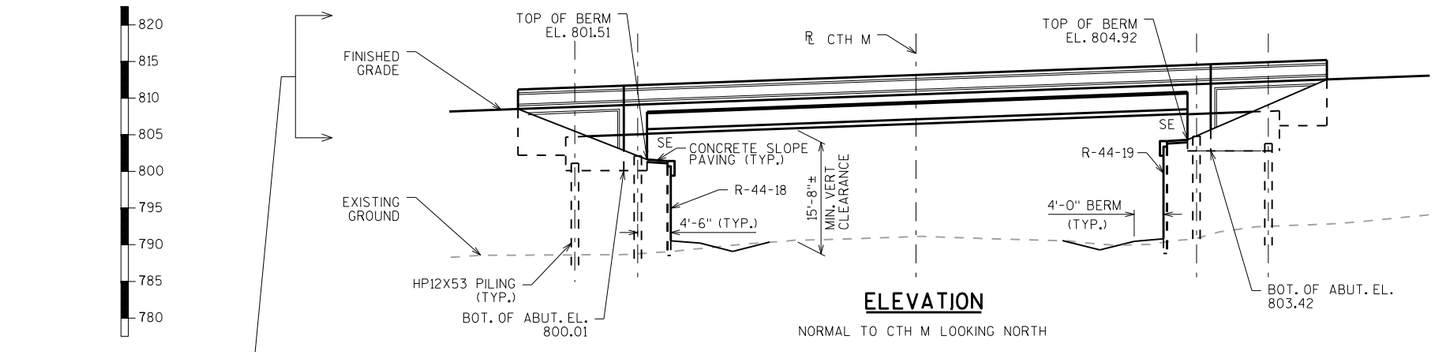
TRAFFIC VOLUME

STH 15 EB
A.D.T. = 15,000 (2040)
R.D.S. = 60 M.P.H.

CTH M
A.D.T. = 3,200 (2040)
R.D.S. = 40 M.P.H.

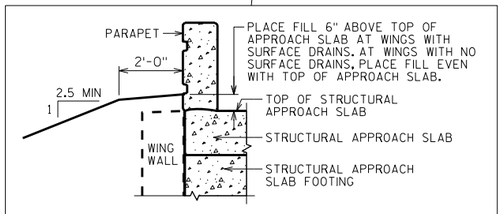
CURVE DATA

STH 15 : EB-12	STH 15 : WB-12
P.I. = 368+34.14	P.I. = 368+51.67
Δ = 32° 34' 40"	Δ = 32° 34' 40"
D = 2° 48' 31"	D = 2° 43' 42"
T = 596.11	T = 613.64
L = 1159.92	L = 1194.04
R = 2040.00	R = 2100.00
S.E. = VARIES	S.E. = VARIES
P.C. = 362+38.03	P.C. = 362+38.03
P.T. = 373+97.95	P.T. = 373+97.95 (AHEAD) 374+32.06 (BACK)

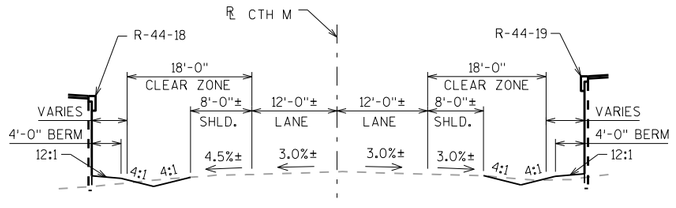


ELEVATION

NORMAL TO CTH M LOOKING NORTH



TYPICAL FILL SECTION AT END OF STRUCTURAL APPROACH SLABS



TYPICAL SECTION THRU CTH M

NORMAL TO CTH M LOOKING NORTH

LIST OF DRAWINGS

1. GENERAL PLAN
2. CROSS SECTION
3. QUANTITIES
4. SUBSURFACE EXPLORATION
5. WEST ABUTMENT
6. WEST ABUTMENT DETAILS
7. EAST ABUTMENT
8. EAST ABUTMENT DETAILS
9. 36W" PRESTRESSED GIRDER DETAILS 1
10. 36W" PRESTRESSED GIRDER DETAILS 2
11. STEEL DIAPHRAGM
12. SUPERSTRUCTURE CROSS SECTION
13. SUPERSTRUCTURE
14. SUPERSTRUCTURE BAR DETAILS
15. DECK LAYOUT
16. W. STRUCTURAL APPROACH SLAB
17. W. STRUCT. APP. SLAB DETAILS
18. E. STRUCTURAL APPROACH SLAB
19. E. STRUCT. APP. SLAB DETAILS
20. MODIFIED SINGLE SLOPE PARAPET 32SS WITH STRUCTRAL APPROACH SLAB
21. AESTHETIC DETAILS
22. ALTERNATE CONSTRUCTION JOINT

STRUCTURE DESIGN CONTACTS:
STACIE WEIS (608) 261-6109
AARON BONK (608) 261-0261

NO.	DATE	REVISION	BY

BUREAU OF STRUCTURES

ACCEPTED _____ CHIEF STRUCTURES DESIGN ENGINEER _____ DATE

STRUCTURE B-44-291

STH 15 EB OVER CTH M

COUNTY	TOWN/~~CITY~~/VILLAGE
OUTAGAMIE	HORTONIA/HORTONVILLE

DESIGN SPEC. AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS

DESIGNED BY	DESIGNED CK'D.	DRAWN BY	PLANS CK'D.
SEW	MSC	SEW	

GENERAL PLAN — SHEET 1 OF 22

PRE_142

APPROVED FOR DESIGN OF UTILITY ADJUSTMENTS OCTOBER 2019

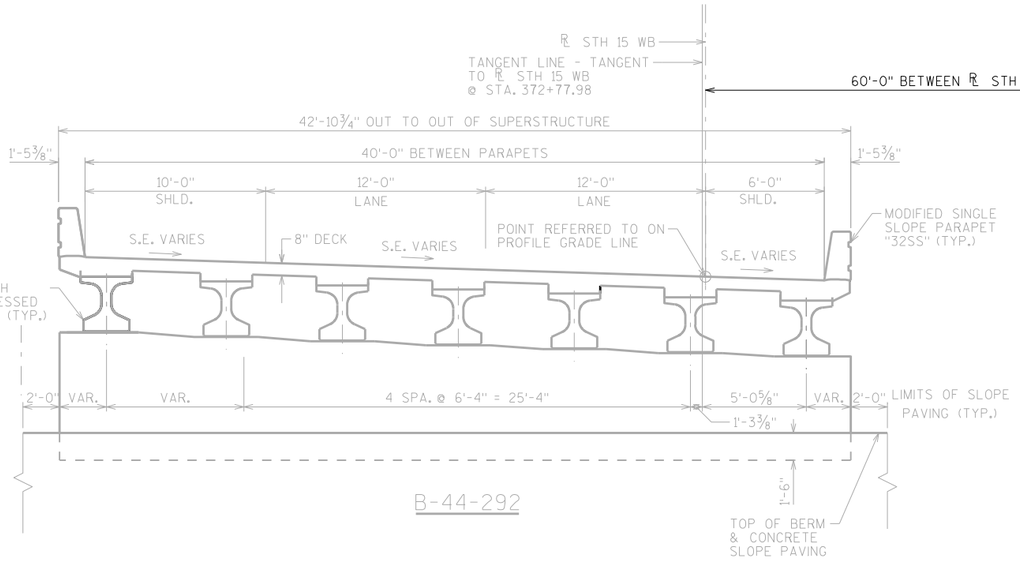
I.D. 1146-75-00A DATE: DEC. 2016

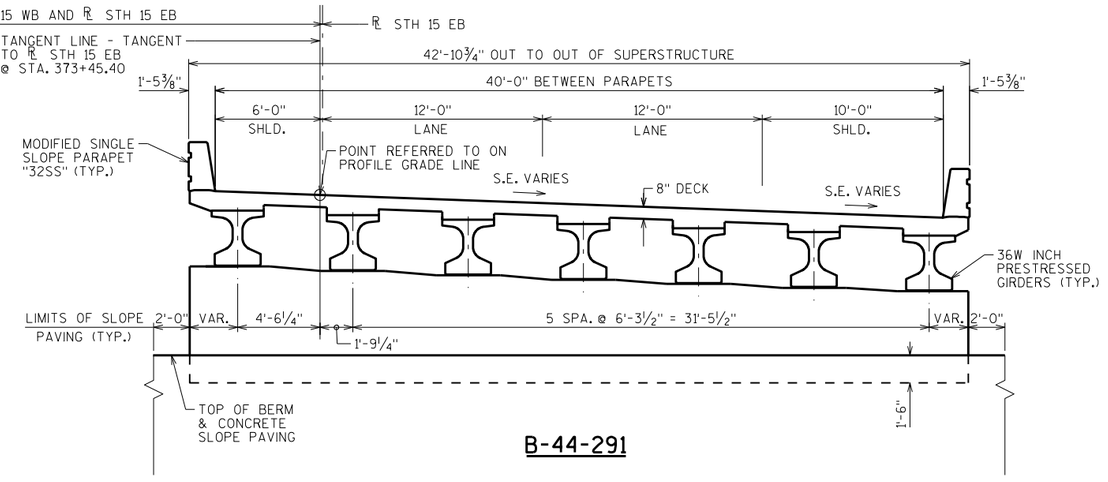
SCALE = 12.00

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STATE PROJECT NUMBER
1146-75-71





CROSS SECTION THRU ROADWAY LOOKING EAST

(ALL HORIZONTAL DIMENSIONS ARE MEASURED RADIALLY - NORMAL TO THE CURVE ℄ STH 15 EB)

APPROVED FOR DESIGN OF UTILITY ADJUSTMENTS OCTOBER 2019

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-44-291

DRAWN BY	SEW	PLANS CK'D.

CROSS SECTION

SHEET 2

PRE_143

SCALE = 4.00

8

8

STATE PROJECT NUMBER

1146-75-71

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 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 QUANTITY FOR BACKFILL STRUCTURE IS CALCULATED BASED ON THE DETIAL SHOWN IN THE PLANS.

PROTECTIVE SURFACE TREATMENT TO BE APPLIED TO THE ENTIRE TOP OF DECK SURFACE AND THE TOP OF STRUCTURAL APPROACH SLABS.

PIGMENTED SURFACE SEALER TO BE APPLIED TO THE FRONT FACE AND THE TOP OF THE PARAPETS.

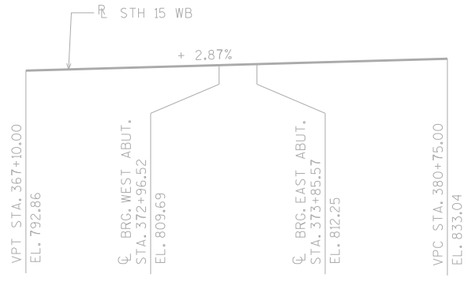
THE SLOPE OF THE FILL IN FRONT OF THE ABUTMENTS SHALL BE COVERED WITH SLOPE PAVING MATERIAL TO THE EXTENT SHOWN ON SHEET 1 AND IN THE ABUTMENT DETAILS.

THE CONTRACTOR MUST COORDINATE THE CONSTRUCTION OF B-44-291 WITH RETAINING WALLS R-44-18 AND R-44-19.

■ PIPE UNDERDRAIN WRAPPED (6-INCH). SLOPE 0.5% MIN. TO SUITABLE DRAINAGE. ATTACH RODENT SHIELD AT ENDS OF PIPE UNDERDRAIN.

TOTAL ESTIMATED QUANTITIES

BID ITEM NUMBER	BID ITEMS	UNIT	SUPER.	WEST APP. SLAB	WEST ABUT.	EAST ABUT.	EAST APP. SLAB	TOTALS
206.1000	EXCAVATION FOR STRUCTURES BRIDGES B-44-291	LS	———	———	———	———	———	1
210.1500	BACKFILL STRUCTURE TYPE A	TON	———	———	147	135	———	282
305.0120	BASE AGGREGATE DENSE 1 1/4-INCH	TON	———	132	———	———	136	268
502.0100	CONCRETE MASONRY BRIDGES	CY	190	60	57	59	62	430
502.3200	PROTECTIVE SURFACE TREATMENT	SY	415	90	———	———	90	595
502.3210	PIGMENTED SURFACE SEALER	SY	78	17	———	———	17	112
503.0137	PRESTRESSED GIRDER TYPE I 36W-INCH	LF	637	———	———	———	———	637
505.0400	BAR STEEL REINFORCEMENT HS STRUCTURES	LB	———	———	4215	3785	———	8000
505.0600	BAR STEEL REINFORCEMENT HS COATED STRUCTURES	LB	26200	10435	1870	2150	10785	51440
505.0800.S	BAR STEEL REINFORCEMENT HS STAINLESS STRUCTURES	LB	1480	———	———	———	———	1480
506.2605	BEARING PADS ELASTOMERIC NON-LAMINATED	EACH	14	———	———	———	———	14
506.4000	STEEL DIAPHRAGMS B-44-291	EACH	12	———	———	———	———	12
516.0500	RUBBERIZED MEMBRANE WATERPROOFING	SY	———	———	14	16	———	30
550.0500	PILE POINTS	EACH	———	———	10	10	———	20
550.1120	PILING STEEL HP 12-INCH X 53 LB	LF	———	———	350	300	———	650
604.0400	SLOPE PAVING CONCRETE	SY	———	———	17	17	———	34
612.0406	PIPE UNDERDRAIN WRAPPED 6-INCH	LF	———	———	100	105	———	205
614.0150	ANCHOR ASSEMBLIES FOR STEEL PLATE BEAM GUARD	EACH	———	2	———	———	1	3
			———	———	———	———	———	
	NON-BID ITEMS		———	———	———	———	———	
	FILLER	SIZE	———	———	———	———	———	½", ¾" &1½"



PROFILE GRADE LINE STH 15 WB

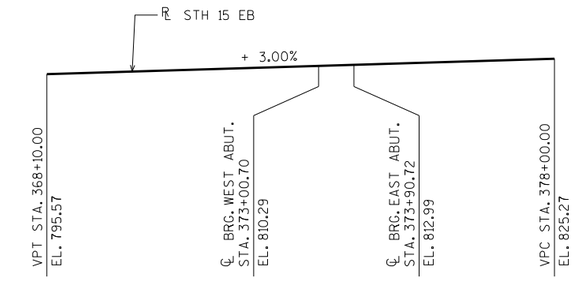
B-44-292 SUPER ELEVATION TRANSITIONS

STATION	DESCRIPTION	LT SHLD.	LT LANE	RT LANE	RT SHLD.
363+08.6875 ⚠	BEGIN FULL SUPER	5.30%	5.30%	5.30%	5.30%
373+61.4050 ⚠	END FULL SUPER	5.30%	5.30%	5.30%	5.30%
374+13.4050 ⚠	LOW SHLD MATCH	4.00%	4.00%	4.00%	4.00%
374+59.2897 ◪	REVERSE CROWN	2.00%	2.00%	2.00%	4.00%

⚠ STA. BACK, ◪ STA. AHEAD

** PT STA. EQN: STA. BACK = 374+32.06; STA. AHEAD = 373+97.95

NOTE: SUPER ELEVATION INFORMATION PROVIDED FOR INFORMATIONAL PURPOSES ONLY.

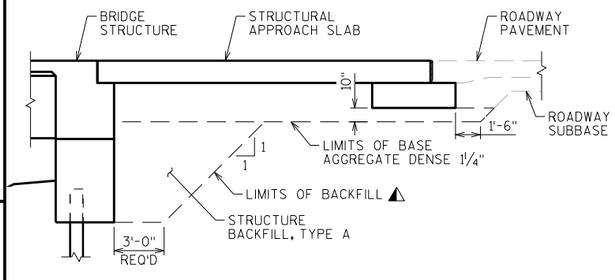


PROFILE GRADE LINE STH 15 EB

B-44-291 SUPER ELEVATION TRANSITIONS

STATION	DESCRIPTION	LT SHLD.	LT LANE	RT LANE	RT SHLD.
363+10.0207	BEGIN FULL SUPER	5.40%	5.40%	5.40%	5.40%
373+25.9565	END FULL SUPER	5.40%	5.40%	5.40%	5.40%
373+81.9565	LOW SHLD MATCH	4.00%	4.00%	4.00%	4.00%
374+61.9565	REVERSE CROWN	2.00%	2.00%	2.00%	4.00%

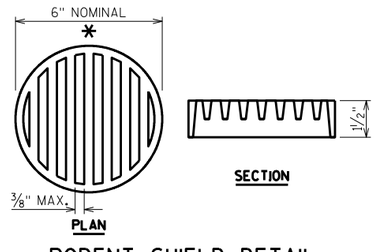
NOTE: SUPER ELEVATION INFORMATION PROVIDED FOR INFORMATIONAL PURPOSES ONLY.



TYPICAL SECTION THRU ABUTMENT

(A1 ABUTMENT WITH STRUCTURAL APPROACH)

⚠ BACKFILL PAY LIMITS. BACKFILL BEYOND BACKFILL PAY LIMITS SHALL BE INCIDENTAL TO EXCAVATION FOR STRUCTURES. LIMITS OF EXCAVATION SHALL BE DETERMINED BY THE CONTRACTOR.

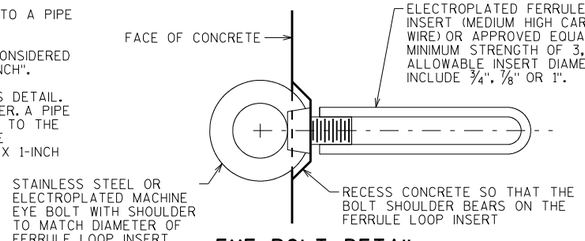


RODENT SHIELD DETAIL

* DIMENSIONS ARE APPROXIMATE. THE GRATE IS SIZED TO FIT INTO A PIPE COUPLING. ORIENT SO SLOTS ARE VERTICAL.

THE RODENT SHIELD, PIPE COUPLING AND SCREWS SHALL BE CONSIDERED INCIDENTAL TO THE BID ITEM "PIPE UNDERDRAIN WRAPPED 6-INCH".

THE RODENT SHIELD SHALL BE A PVC GRATE SIMILAR TO THIS DETAIL. THE GRATE IS COMMERCIALLY AVAILABLE AS A FLOOR STRAINER. A PIPE COUPLING IS REQUIRED FOR THE ATTACHMENT OF THIS SHIELD TO THE EXPOSED END OF THE PIPE UNDERDRAIN. THE SHIELD SHALL BE FASTENED TO THE PIPE COUPLING WITH TWO OR MORE NO. 10 X 1-INCH STAINLESS STEEL SHEET METAL SCREWS.



EYE BOLT DETAIL

COST INCIDENTAL TO BID ITEM "CONCRETE MASONRY BRIDGES".

CTH M EXISTING ELEVATIONS

STATION	℄ ELEVATION
20+00.00	791.[illegible]
20+25.00	790.78
20+50.00	790.59
20+75.00	790.01
21+00.00	789.67
21+25.00	789.36
21+50.00	789.07
21+75.00	788.75
22+00.00	788.42

NOTE: EXISTING ELEVATIONS PROVIDED FOR INFORMATIONAL PURPOSES ONLY.

APPROVED FOR DESIGN
DSB UTILITY ADJUSTMENTS
OCTOBER 2019

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-44-291

DRAWN BY SEW | PLANS CK'D.

QUANTITIES

SHEET 3

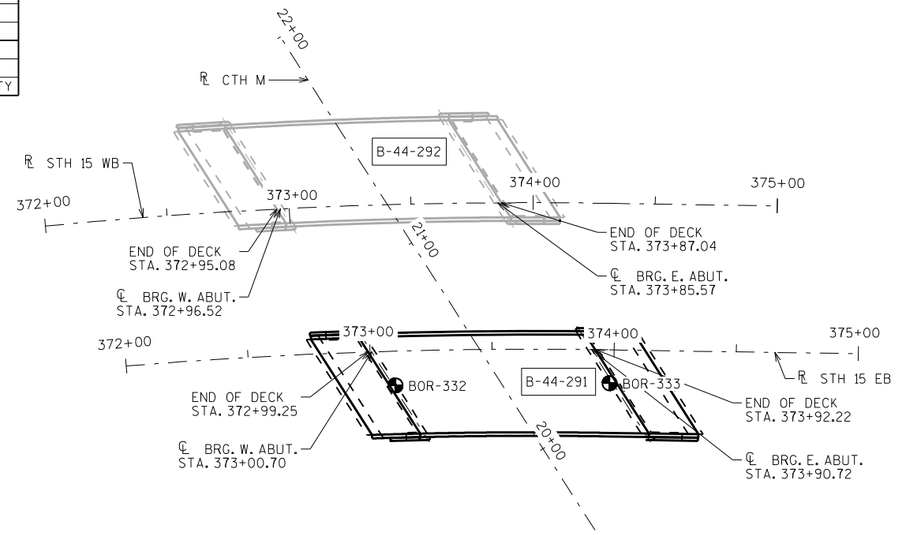
PRE_144

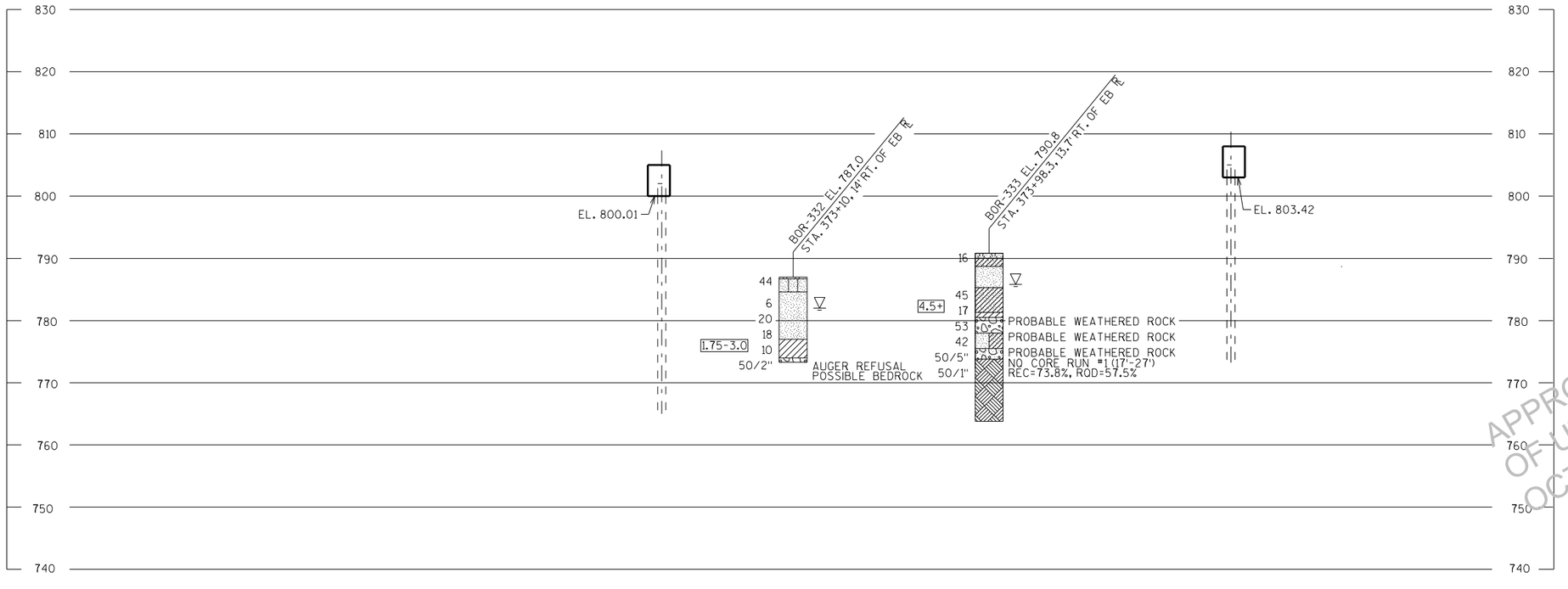
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8

BORING #	DATE COMPLETED	NORTHING (Y)	EASTING (X)
332	2/27/2014	592755	767493
333	2/28/2014	592708	767567
BORINGS COMPLETED BY: GESTRA			
REPORT COMPLETED BY: CH2M HILL			
ALL COORDINATES REFERENCED TO WCCS NAD 83(91) OUTAGAMIE COUNTY			





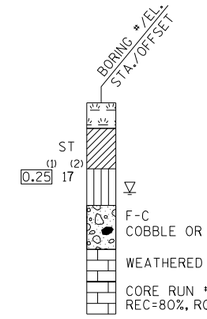
STATE PROJECT NUMBER

1146-75-71

MATERIAL SYMBOLS

ASPHALT	TOPSOIL	PEAT
CONCRETE	FILL	GRAVEL
SAND	CLAY	SILT
BOULDERS OR COBBLES	LIMESTONE	BEDROCK (UNKNOWN)
SHALE	SANDSTONE	IGNEOUS/ META

LEGEND OF BORING



(1) UNCONFINED STRENGTH, AS DETERMINED BY A POCKET PENETROMETER (TSF)

(2) UNLESS OTHERWISE SPECIFIED THE SPT 'N' VALUE IS BASED ON AASHTO T-206, STANDARD PENETRATION TEST. THE SPT 'N' VALUE PRESENTED HAS NOT BEEN CORRECTED FOR OVERBURDEN PRESSURE OR HAMMER EFFICIENCY.

GROUND WATER ELEVATION

- AT TIME OF DRILLING
- END OF DRILLING
- AFTER DRILLING

ABBREVIATIONS

F-FINE M-MEDIUM C-COARSE ST-SHELBY TUBE

SUBSURFACE EXPLORATION FOR FOUNDATION DESIGN AND BIDDERS INFORMATION

BORINGS WERE COMPLETED AT POINTS APPROXIMATELY AS INDICATED ON THIS DRAWING TO OBTAIN INFORMATION CONCERNING THE CHARACTER OF SUBSURFACE MATERIALS FOUND AT THE SITE. BECAUSE THE INVESTIGATED DEPTHS ARE LIMITED AND THE AREA OF THE BORINGS IS VERY SMALL IN RELATION TO THE ENTIRE SITE, THE WISCONSIN DEPARTMENT OF TRANSPORTATION DOES NOT WARRANT SIMILAR SUBSURFACE CONDITIONS BELOW, BETWEEN, OR BEYOND THESE BORINGS. VARIATIONS IN SOIL CONDITIONS SHOULD BE EXPECTED AND FLUCTUATIONS IN GROUNDWATER LEVELS MAY OCCUR.

APPROVED FOR UTILITY ACCOMMODATION
OCTOBER 2019

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-44-291

DRAWN BY TLP | PLANS CK'D.

SUBSURFACE EXPLORATION

SHEET 4

PRE_145

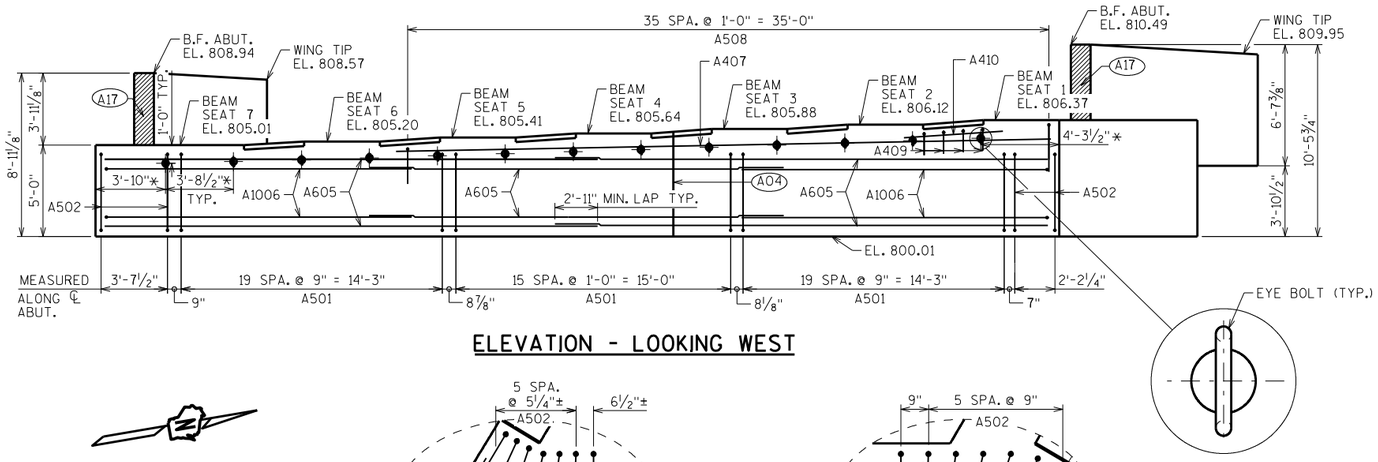
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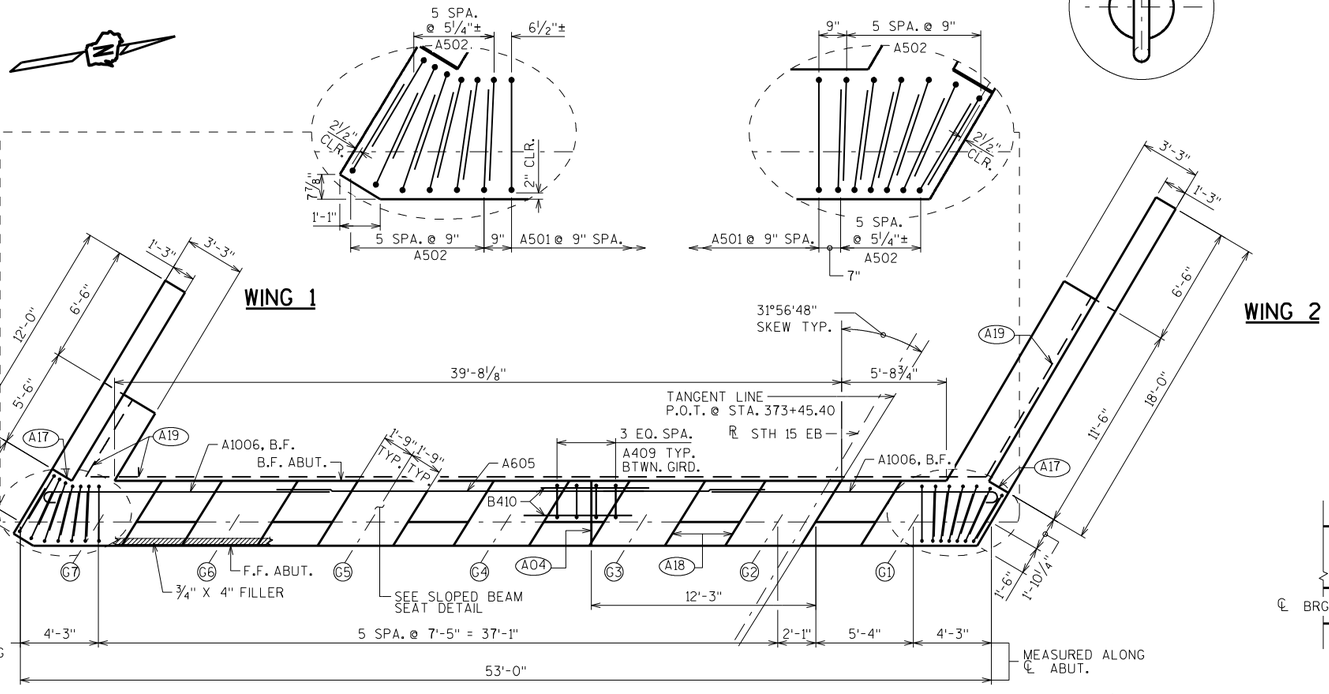
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STATE PROJECT NUMBER

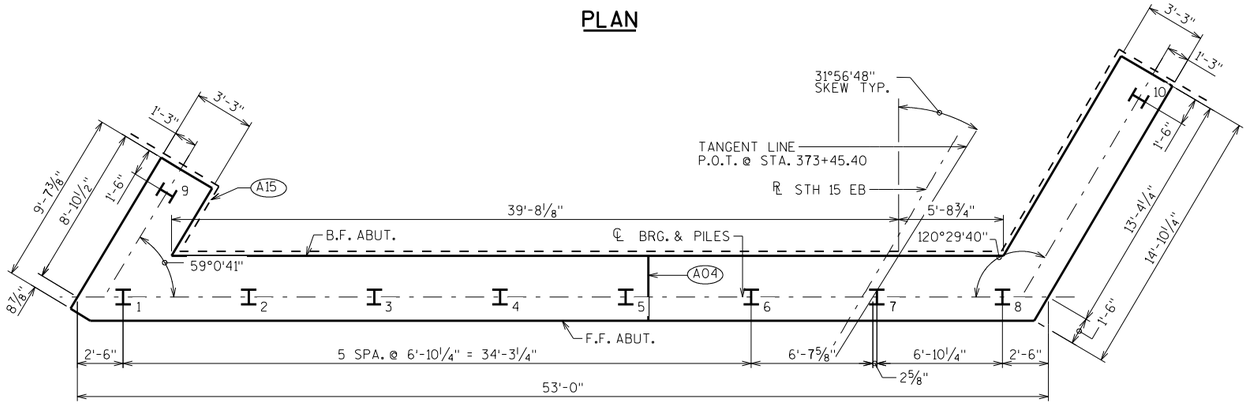
1146-75-71



ELEVATION - LOOKING WEST



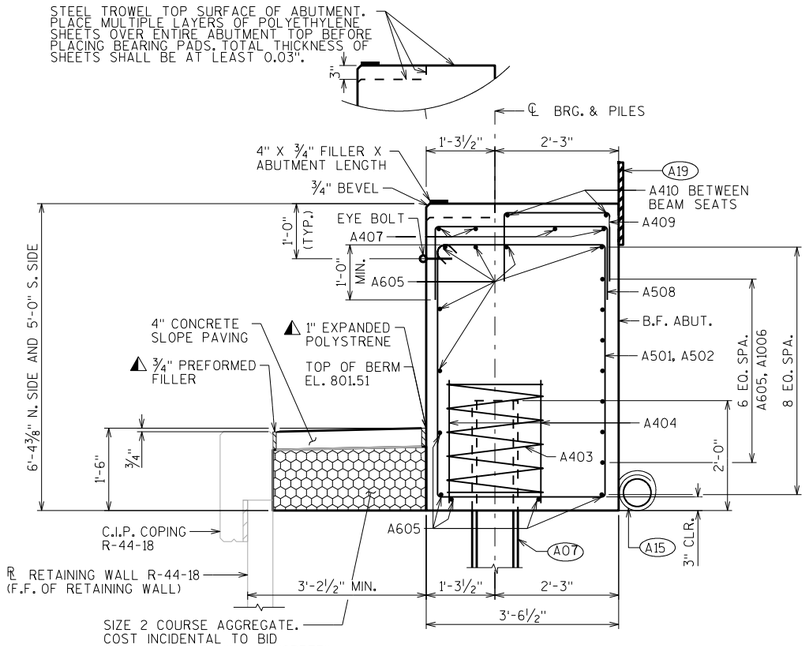
PLAN



PILE PLAN

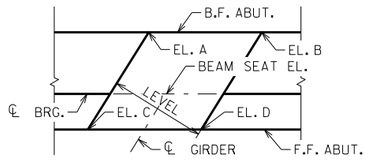
* DIMENSION MEASURED ALONG F.F. OF ABUT.

NOTE: FOR EYE BOLT DETAIL SEE "QUANTITIES" SHEET.



SECTION THRU BODY

BEAM SEAT ELEVATIONS



SLOPED BEAM SEAT

LOCATION	EL. A	EL. B	EL. C	EL. D
GIRDER 1	-0.05	-0.11	0.08	0.01
GIRDER 2	-0.05	-0.11	0.08	0.01
GIRDER 3	-0.05	-0.12	0.08	0.01
GIRDER 4	-0.05	-0.12	0.09	0.01
GIRDER 5	-0.05	-0.13	0.09	0.02
GIRDER 6	-0.06	-0.14	0.10	0.02
GIRDER 7	-0.06	-0.14	0.10	0.02

(A04) VERT. CONST. JOINT: KEYWAY FORMED BY A BEVELED 2 x 8. 3/4" "V" GROOVE @ THE FRONT FACE AND 18" RMW @ BACKFACE. FOR OPTIONAL DETAILS SEE "ALTERNATE CONSTRUCTION JOINT" SHEET.

(A07) SUPPORT ABUTMENT ON HP 12 X 53 STEEL PILING, ESTIMATED 35'-0" LONG WITH A REQUIRED DRIVING RESISTANCE OF 220 TONS PER PILE. PILE POINTS REQUIRED.

(A15) PIPE UNDERDRAIN WRAPPED (6-INCH). SLOPE 0.5% MIN. TO SUITABLE DRAINAGE. RODENT SHIELD REQUIRED.

(A17) 1/2" FILLER (INCLUDED IN WING LENGTH): SEAL ALL EXPOSED ORIZ. & VERT. SURFACES OF 1/2" FILLER WITH NON STAINING GRAY NON-BITUMINOUS JOINT SEALER. (1" DEEP AND HOLD 1/8" BELOW SURFACE OF CONCRETE). EXTEND SEALER 3" BELOW GUTTER LINE AT INSIDE FACE.

(A18) 3/4" CORK FILLER UP VERT. BEAM SEAT FACES THAT RUN PARALLEL WITH GIRDER.

(A19) 18" (RMW) RUBBERIZED MEMBRANE WATERPROOFING SEAL ALL HORIZ. & VERT. JOINTS AT BACKFACE.

▲ SEAL ALL EXPOSED HORIZONTAL AND VERTICAL SURFACES OF FILLER AND EXPANDED POLYSTYRENE WITH NON-STAINING, GRAY NON-BITUMINOUS JOINT SEALER. (1" DEEP AND HOLD 1/8" BELOW SURFACE OF CONCRETE).

APPROVED FOR DESIGN ADJUSTMENTS
DEPARTMENT OF UTILITY
OCTOBER 2019

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-44-291

DRAWN BY SEW | PLANS CK'D.

WEST ABUTMENT

SHEET 5

PRE_146

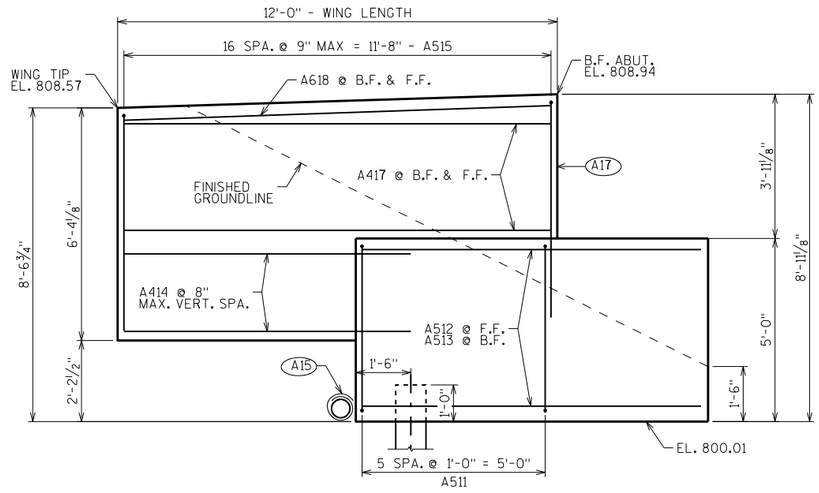
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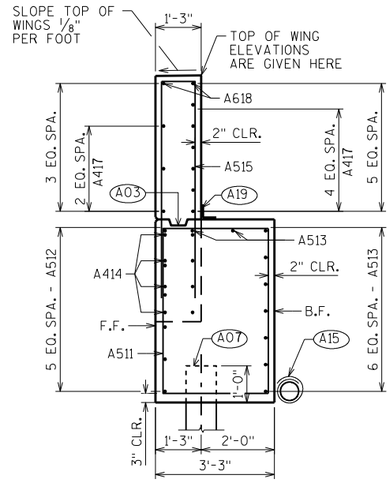
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STATE PROJECT NUMBER

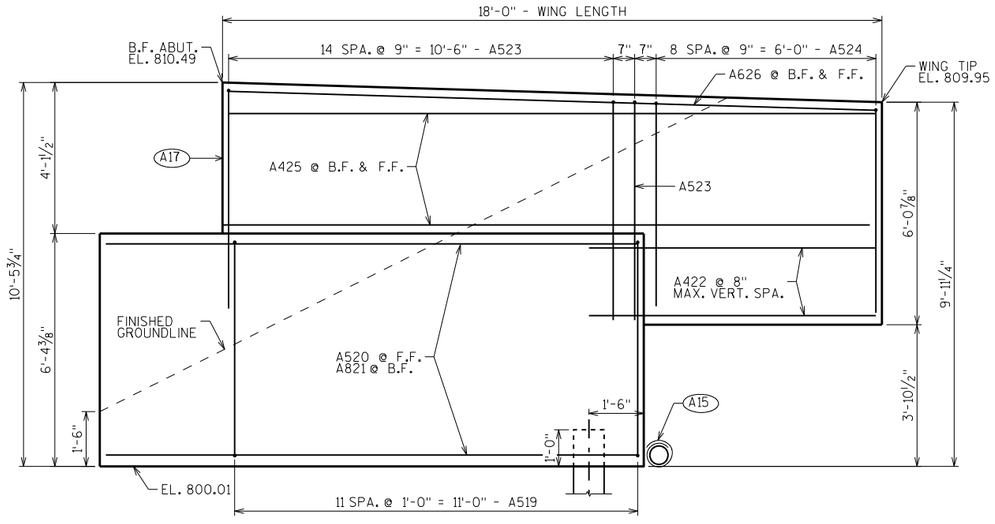
1146-75-71



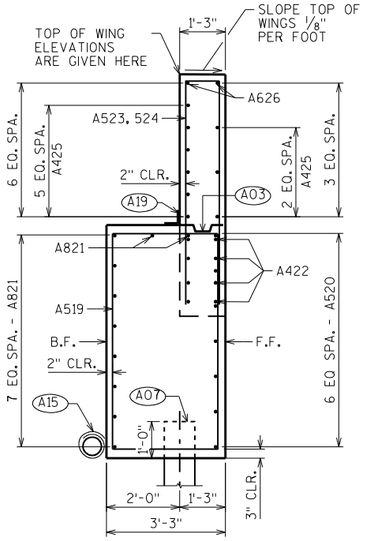
WING 1 ELEVATION



SECTION THRU WING 1



WING 2 ELEVATION



SECTION THRU WING 2

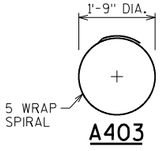
(A03) OPTIONAL CONST. JOINT: KEYWAY FORMED BY BEVELED 2 x 6. (18" RMW @ B.F. & 3/4" "V" GROOVE @ F.F. IF JOINT IS USED).

(A07) SUPPORT ABUTMENT ON HP 12 x 53 STEEL PILING, ESTIMATED 35'-0" LONG WITH A REQUIRED DRIVING RESISTANCE OF 220 TONS PER PILE.

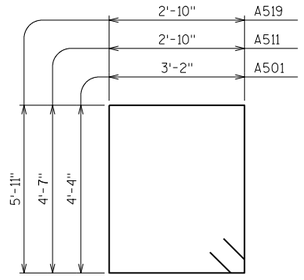
(A15) PIPE UNDERDRAIN WRAPPED (6-INCH). SLOPE 0.5% MIN. TO SUITABLE DRAINAGE. RODENT SHIELD REQUIRED.

(A17) 1/2" FILLER (INCLUDED IN WING LENGTH): SEAL ALL EXPOSED HORIZ. & VERT. SURFACES OF 1/2" FILLER WITH NON-STAINING GRAY NON-BITUMINOUS JOINT SEALER. (1" DEEP AND HOLD 1/8" BELOW SURFACE OF CONCRETE). EXTEND SEALER 3" BELOW GUTTER LINE AT INSIDE FACE.

(A19) 18" (RMW) RUBBERIZED MEMBRANE WATERPROOFING SEAL ALL HORIZ. & VERT. JOINTS AT BACKFACE.



A403

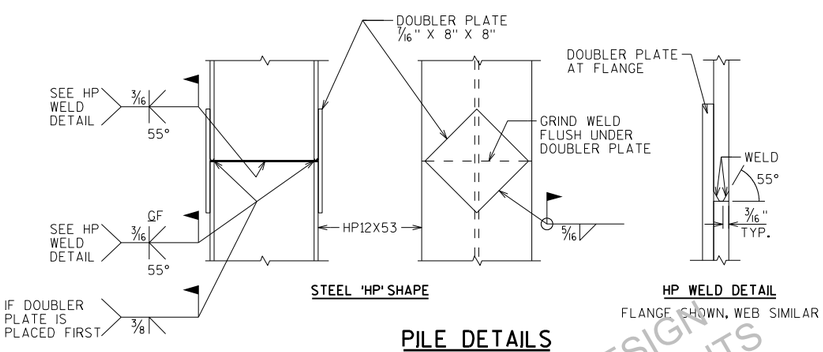


A501, A511, A519

BILL OF BARS

NOTE: THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE

BAR MARK	COAT	NO. REQ'D.	LENGTH	BENT	BAR SERIES	LOCATION
A501		56	15'-8"	X		BODY - VERTICAL - STIRRUPS
A502		24	9'-9"	X		BODY - VERTICAL - ENDS
A403		8	28'-0"	X		BODY - 1 PER BODY PILE
A404		16	2'-3"			BODY - 2 PER BODY PILE - VERT
A605		29	27'-10"			BODY - HORIZONTAL
A1006		14	19'-5"	X		BODY - HORIZONTAL - B.F.
A407		4	35'-4"			BODY - HORZ - NORTH END ONLY
A508		36	7'-9"	X		BODY - VERT - NORTH END ONLY
A409		24	4'-3"	X		BODY - VERT - BWTN BEAM SEATS
A410		12	5'-5"			BODY - HORZ - BWTN BEAM SEATS
A511	X	6	15'-6"	X		WING 1 - VERTICAL - STIRRUPS
A512	X	6	9'-3"			WING 1 - HORIZONTAL - F.F.
A513	X	9	6'-0"			WING 1 - HORIZONTAL - B.F.
A414	X	8	7'-10"			WING 1 - HORIZONTAL
A515	X	17	12'-6"	X		WING 1 - VERTICAL
A516	X					NOT USED
A417	X	9	11'-8"			WING 1 - HORZ - B.F. & F.F.
A618	X	2	11'-8"			WING 1 - HORIZONTAL
A519	X	12	18'-2"	X		WING 2 - VERTICAL - STIRRUPS
A520	X	7	14'-6"			WING 2 - HORIZONTAL - F.F.
A821	X	10	16'-1"			WING 2 - HORIZONTAL - B.F.
A422	X	8	7'-10"			WING 2 - HORIZONTAL
A523	X	16	12'-8"	X		WING 2 - VERTICAL
A524	X	9	11'-10"	X		WING 2 - VERTICAL
A425	X	9	17'-8"			WING 2 - HORZ - B.F. & F.F.
A626	X	2	17'-8"			WING 2 - HORIZONTAL

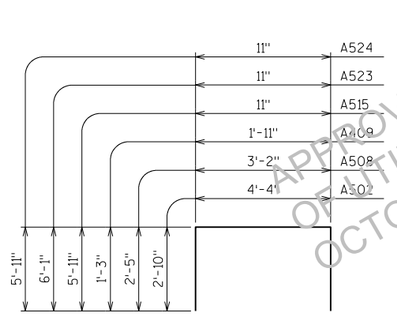


STEEL 'HP' SHAPE

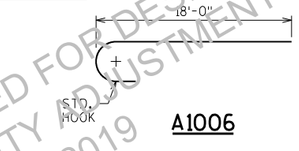
HP WELD DETAIL

FLANGE SHOWN, WEB SIMILAR

PILE DETAILS



A502, A508, A409, A515 A523, A524



A1006

APPROVED FOR DESIGN OF UTILITY ADJUSTMENTS OCTOBER 2019

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-44-291

DRAWN BY SEW | PLANS CK'D.

WEST ABUTMENT DETAILS

SHEET 6

PRE_147

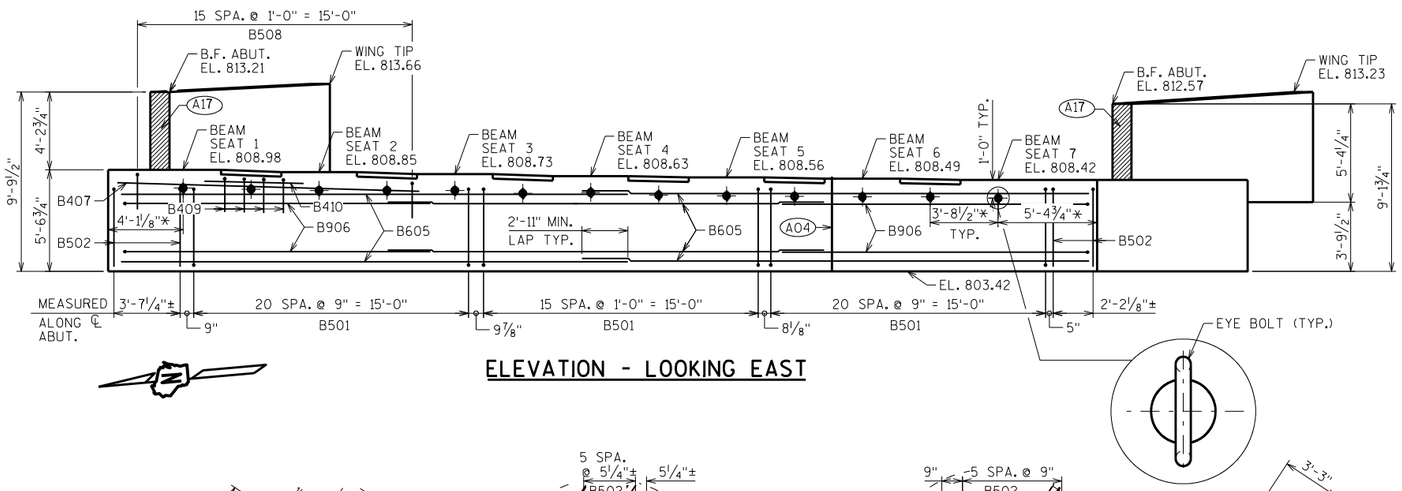
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STATE PROJECT NUMBER

1146-75-71

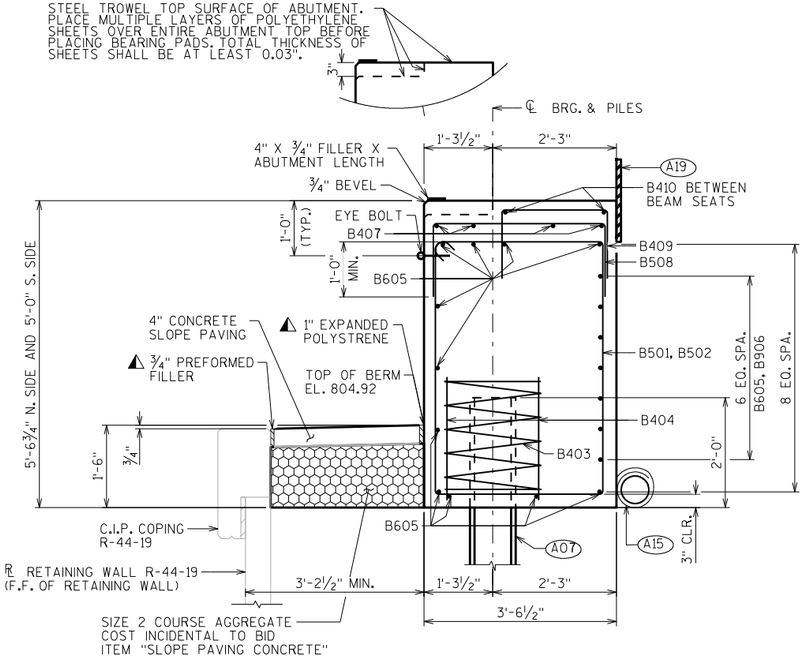


ELEVATION - LOOKING EAST

* DIMENSION MEASURED ALONG F.F. OF ABUT.

NOTE: FOR EYE BOLT DETAIL SEE "QUANTITIES" SHEET.

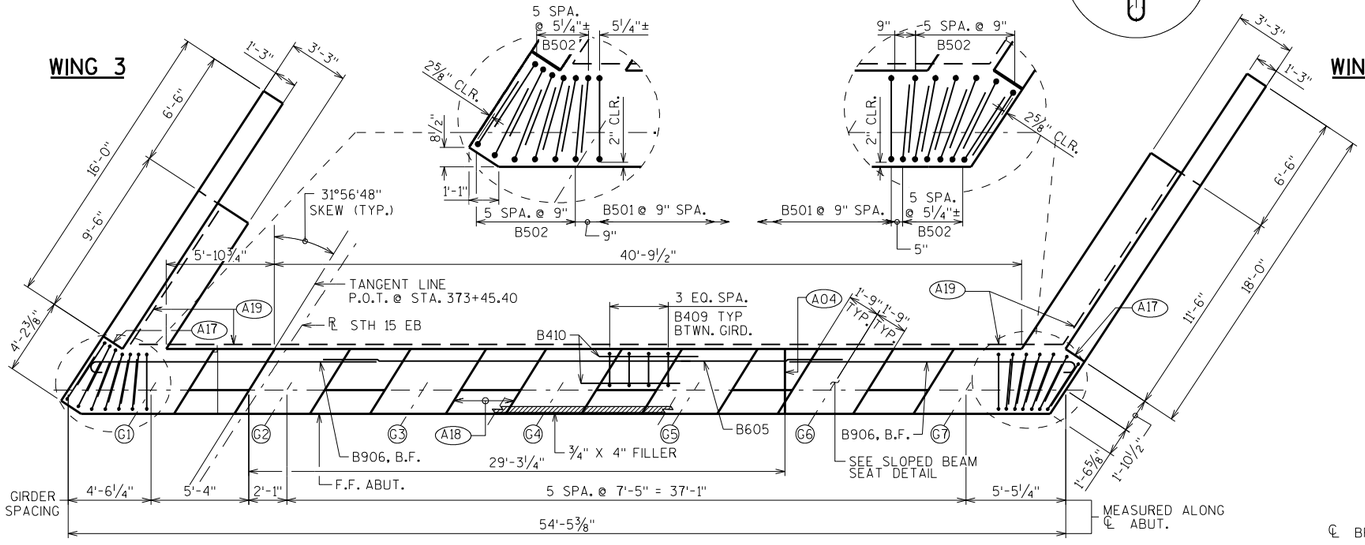
STEEL TROWEL TOP SURFACE OF ABUTMENT. PLACE MULTIPLE LAYERS OF POLYETHYLENE SHEETS OVER ENTIRE ABUTMENT TOP BEFORE PLACING BEARING PADS. TOTAL THICKNESS OF SHEETS SHALL BE AT LEAST 0.03".



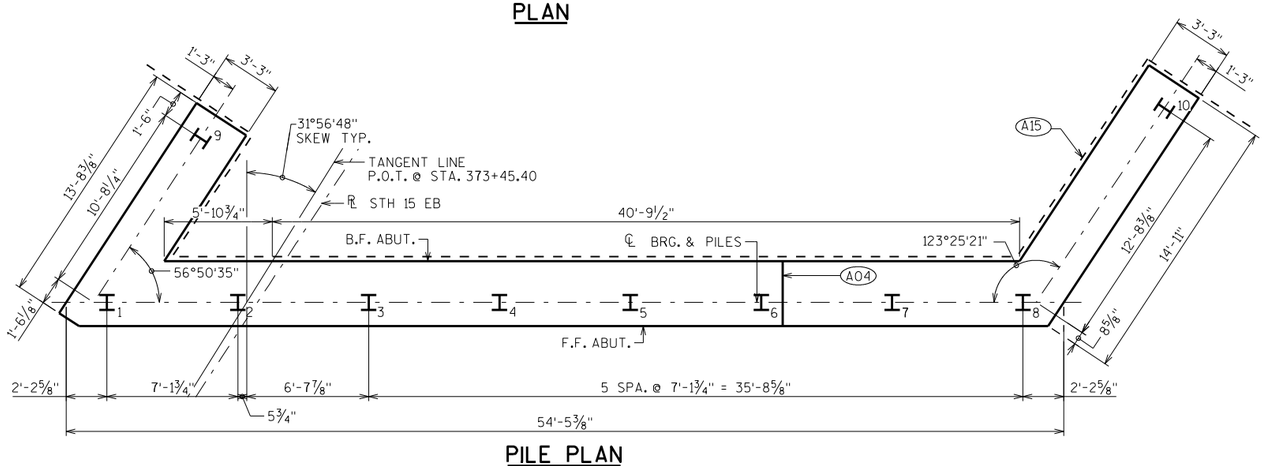
SECTION THRU BODY

WING 3

WING 4

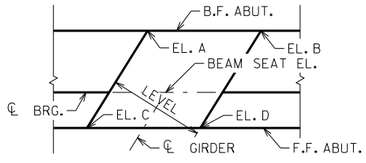


PLAN



PILE PLAN

SLOPED BEAM SEAT



BEAM SEAT ELEVATIONS

LOCATION	EL. A	EL. B	EL. C	EL. D
GIRDER 1	0.05	0.11	-0.08	-0.01
GIRDER 2	0.05	0.11	-0.08	-0.01
GIRDER 3	0.05	0.12	-0.08	-0.01
GIRDER 4	0.05	0.12	-0.09	-0.01
GIRDER 5	0.05	0.13	-0.09	-0.02
GIRDER 6	0.06	0.14	-0.10	-0.02
GIRDER 7	0.06	0.14	-0.10	-0.02

(A04) VERT. CONST. JOINT: KEYWAY FORMED BY A BEVELED 2 X 8, 3/4" "V" GROOVE @ THE FRONT FACE AND 18" RMW @ BACKFACE. FOR OPTIONAL DETAILS SEE "ALTERNATE CONSTRUCTION JOINT" SHEET.

(A07) SUPPORT ABUTMENT ON HP 12 X 53 STEEL PILING, ESTIMATED 30'-0" LONG WITH A REQUIRED DRIVING RESISTANCE OF 220 TONS PER PILE. PILE POINTS REQUIRED.

(A15) PIPE UNDERDRAIN WRAPPED (6-INCH). SLOPE 0.5% MIN. TO SUITABLE DRAINAGE. RODENT SHIELD REQUIRED.

(A17) 1/2" FILLER (INCLUDED IN WING LENGTH): SEAL ALL EXPOSED ORIZ. & VERT. SURFACES OF 1/2" FILLER WITH NON-STAINING GRAY NON-BITUMINOUS JOINT SEALER. (1" DEEP AND HOLD 1/8" BELOW SURFACE OF CONCRETE). EXTEND SEALER 3" BELOW GUTTER LINE AT INSIDE FACE.

(A18) 3/4" CORK FILLER UP VERT. BEAM SEAT FACES THAT RUN PARALLEL WITH GIRDER.

(A19) 18" (RMW) RUBBERIZED MEMBRANE WATERPROOFING SEAL ALL HORIZ. & VERT. JOINTS AT BACKFACE.

⚠ SEAL ALL EXPOSED HORIZONTAL AND VERTICAL SURFACES OF FILLER AND EXPANDED POLYSTYRENE WITH NON-STAINING GRAY NON-BITUMINOUS JOINT SEALER. (1" DEEP AND HOLD 1/8" BELOW SURFACE OF CONCRETE.

APPROVED FOR DESIGN OF UTILITY ADJUSTMENTS OCTOBER 2019

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STATE OF WISCONSIN
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STRUCTURES DESIGN SECTION

STRUCTURE B-44-291

DRAWN BY SEW | PLANS CK'D.

EAST ABUTMENT

SHEET 7

PRE_148

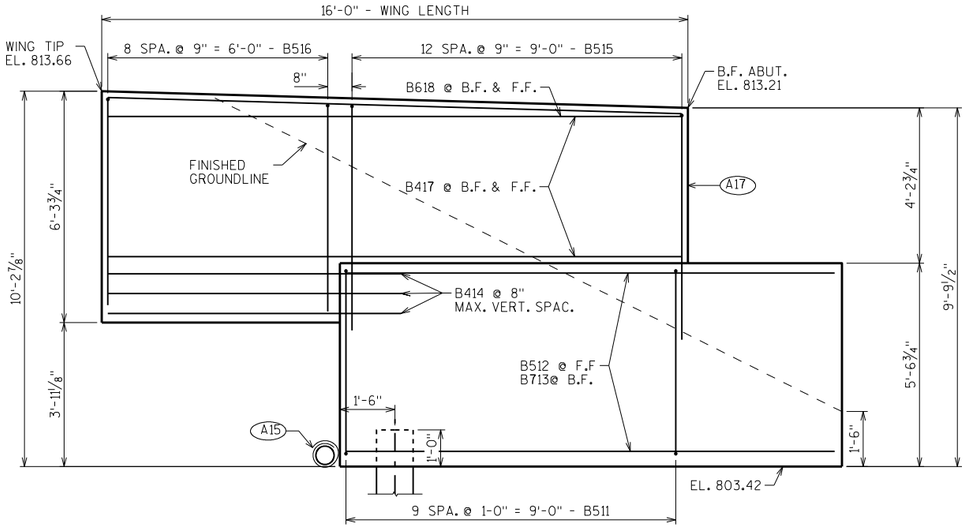
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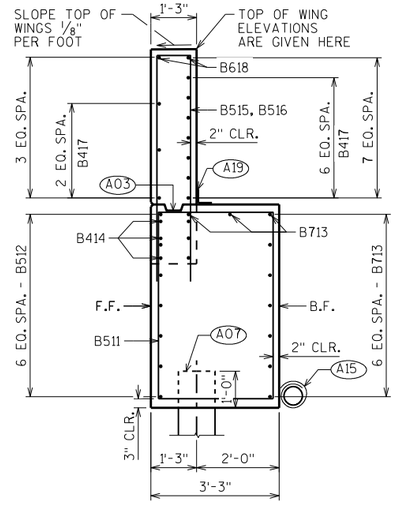
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STATE PROJECT NUMBER

1146-75-71



WING 3 ELEVATION

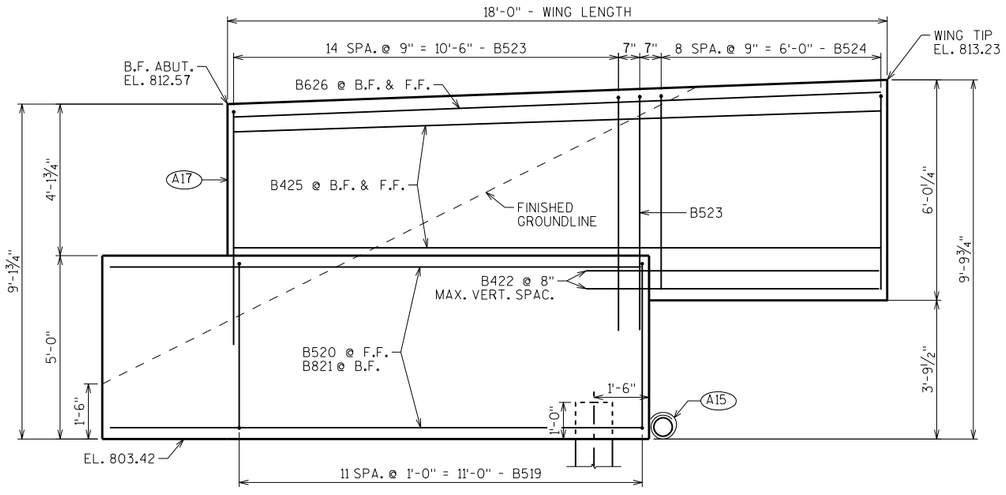


SECTION THRU WING 3

BILL OF BARS

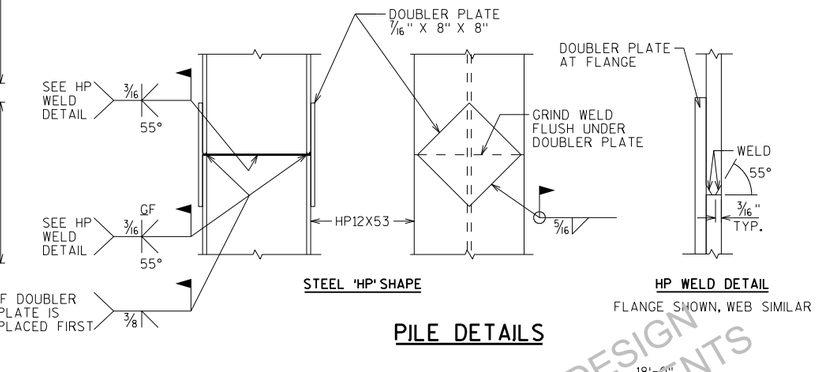
NOTE: THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE

BAR MARK	COAT	NO. REQ'D.	LENGTH	BENT	BAR SERIES	LOCATION
B501		58	15'-8"	X		BODY - VERTICAL - STIRRUPS
B502		24	9'-9"	X		BODY - VERTICAL - AT THE ENDS
B403		8	28'-0"	X		BODY - 1 PER PILE BODY - VERT
B404		16	2'-3"			BODY - 2 PER PILE BODY - VERT
B605		29	28'-7"			BODY - F.F. AND B.F. - HORZ
B906		14	19'-3"	X		BODY - B.F. HORIZONTAL
B407		4	15'-4"			BODY - SOUTH SIDE ONLY - HORZ
B508		16	6'-1"	X		BODY - SOUTH SIDE ONLY - VERT
B409		24	4'-3"	X		BODY - B/W BEAM SEATS - VERT
B410		12	5'-5"			BODY - B/W BEAM SEATS - HORZ
B511	X	10	16'-6"	X		WING 3 - VERTICAL - STIRRUPS
B512	X	7	13'-4"			WING 3 - F.F. - HORIZONTAL
B713	X	9	10'-10"			WING 3 - B.F. - HORIZONTAL
B414	X	6	7'-10"			WING 3 - HORIZONTAL
B515	X	13	13'-4"	X		WING 3 - VERTICAL
B516	X	9	12'-2"	X		WING 3 - VERTICAL
B417	X	10	15'-8"			WING 3 - HORIZONTAL
B618	X	2	15'-8"			WING 3 - HORIZONTAL
B519	X	12	15'-6"	X		WING 4 - VERTICAL - STIRRUPS
B520	X	6	14'-6"			WING 4 - F.F. - HORIZONTAL
B821	X	9	16'-4"			WING 4 - B.F. - HORIZONTAL
B422	X	4	7'-10"			WING 4 - HORIZONTAL
B523	X	16	13'-6"	X		WING 4 - VERTICAL
B524	X	9	11'-4"	X		WING 4 - VERTICAL
B425	X	10	17'-8"			WING 4 - HORIZONTAL
B626	X	2	17'-8"			WING 4 - HORIZONTAL



WING 4 ELEVATION

SECTION THRU WING 4



STEEL 'HP' SHAPE

HP WELD DETAIL

FLANGE SHOWN, WEB SIMILAR

PILE DETAILS

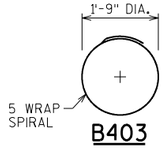
(A03) OPTIONAL CONST. JOINT: KEYWAY FORMED BY BEVELED 2 x 6. (18" RMW @ B.F. & 3/4" "V" GROOVE @ F.F. IF JOINT IS USED).

(A07) SUPPORT ABUTMENT ON HP 12 x 53 STEEL PILING, ESTIMATED 30'-0" LONG WITH A REQUIRED DRIVING RESISTANCE OF 220 TONS PER PILE.

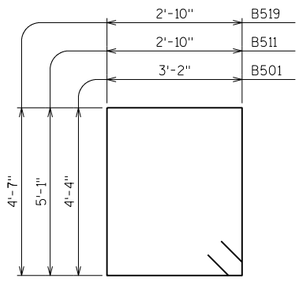
(A15) PIPE UNDERDRAIN WRAPPED (6-INCH). SLOPE 0.5% MIN. TO SUITABLE DRAINAGE. RODENT SHIELD REQUIRED.

(A17) 1/2" FILLER (INCLUDED IN WING LENGTH): SEAL ALL EXPOSED HORIZ. & VERT. SURFACES OF 1/2" FILLER WITH NON-STAINING GRAY NON-BITUMINOUS JOINT SEALER. (1" DEEP AND HOLD 1/8" BELOW SURFACE OF CONCRETE). EXTEND SEALER 3" BELOW GUTTER LINE AT INSIDE FACE.

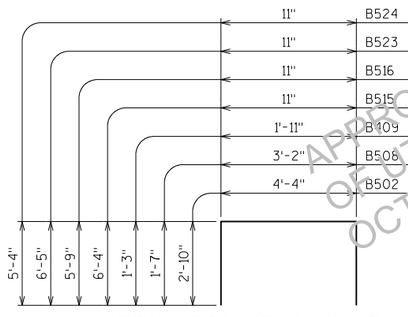
(A19) 18" (RMW) RUBBERIZED MEMBRANE WATERPROOFING SEAL ALL HORIZ. & VERT. JOINTS AT BACKFACE.



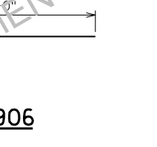
B403



B501, B511, B519



B502, B508, B409, B515
B516, B523, B524



B906

APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS
OCTOBER 2019

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-44-291

DRAWN BY	PLANS CK'D.
SEW	

EAST ABUTMENT DETAILS

SHEET 8

PRE_149

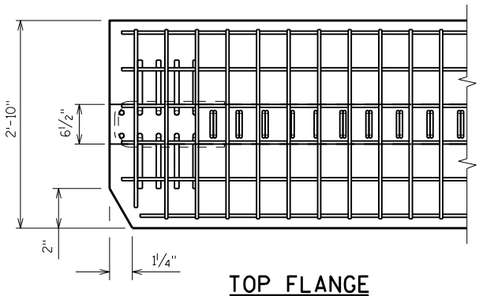
SCALE = 2.00

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STATE PROJECT NUMBER

1146-75-71



TOP FLANGE

NOTES

TOP OF GIRDER TO BE ROUGH FLOATED AND BROOMED TRANSVERSELY, EXCEPT THE THE OUTSIDE 8" OF GIRDER, WHICH SHALL RECEIVE A SMOOTH FINISH. AN APPROVED CONCRETE SEALER SHALL BE APPLIED TO ALL SMOOTH SURFACES INCLUDING THE OUTSIDE 8" OF THE TOP FLANGE.

DO NOT APPLY CONCRETE SEALER OR EPOXY TO SURFACES RECEIVING APPLICATION OF CONCRETE STAINING.

THE GIRDERS SHALL BE PROVIDED WITH A SUITABLE LIFTING DEVICE FOR HANDLING AND ERECTING THE GIRDERS. SEE SECT. 503.3.3 OF STANDARD SPECIFICATIONS FOR GUIDANCE.

STRANDS SHALL BE FLUSH WITH END OF GIRDER. FOR GIRDER ENDS EMBEDDED COMPLETELY IN CONCRETE, END OF STRANDS SHALL BE COATED WITH NON-BITUMINOUS JOINT SEALER. FOR GIRDER ENDS THAT ARE FINALLY EXPOSED, COAT THE GIRDER ENDS, EXPOSED STRAND ENDS AND ALL NON-BONDING SURFACES WITHIN 2 FEET OF THE GIRDER ENDS WITH A NON-PIGMENTED EPOXY CONFORMING TO AASHTO M-235 TYPE III, GRADE 2, CLASS B OR C. THE EPOXY SHALL BE APPLIED AT LEAST 3 DAYS AFTER MOIST CURING HAS CEASED AND PRIOR TO THE APPLICATION OF THE SEALER.

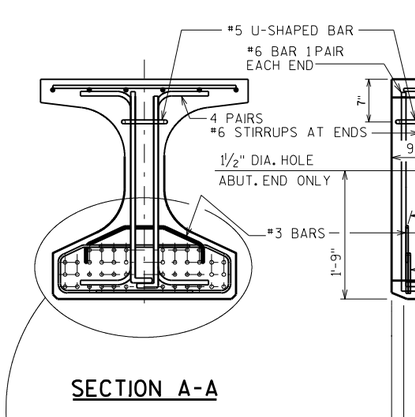
ALL GIRDERS SHALL BE CAST FULL LENGTH AS SHOWN.

SPACING SHOWN FOR #4 STIRRUPS IS FOR GRADE 60 REINFORCEMENT.

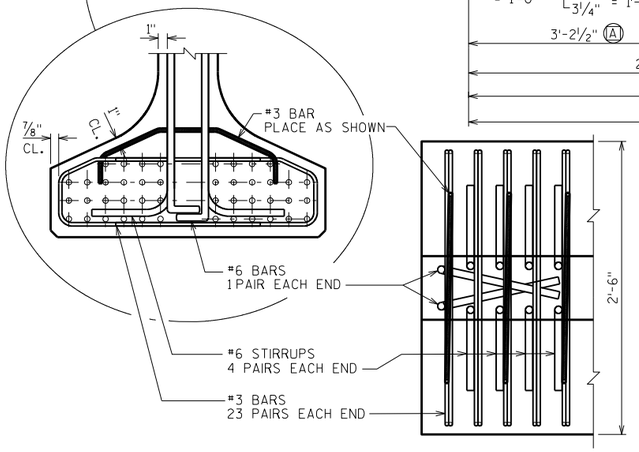
AN ALTERNATE EQUIVALENT OF WELDED WIRE FABRIC (WWF) ASTM A497 MAY BE SUBSTITUTED FOR THE STIRRUP REINFORCEMENT SHOWN, UPON APPROVAL OF THE STRUCTURES DEVELOPMENT SECTION.

PRESTRESSING STRANDS SHALL BE (0.6" DIA.)-7 WIRE LOW-RELAXATION STRANDS WITH AN ULTIMATE STRENGTH OF 270,000 PSI.

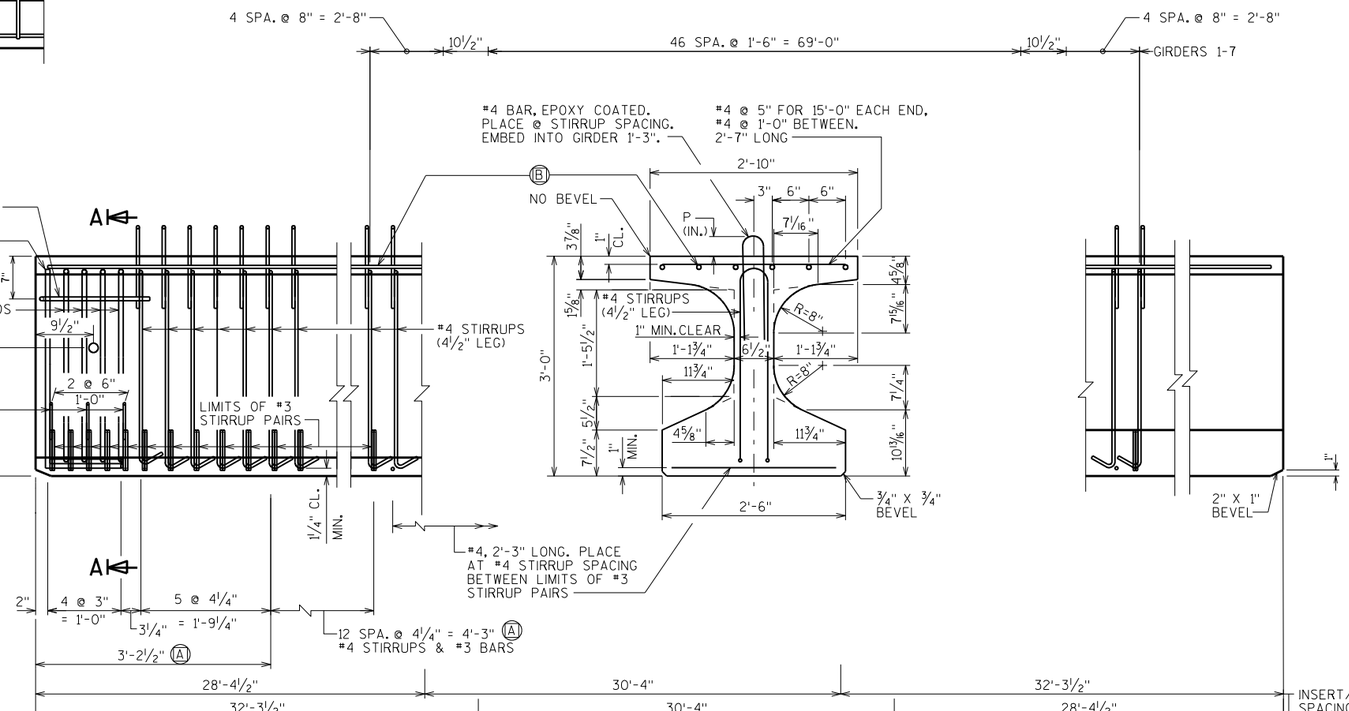
FOR DIAPHRAGM INSERT & CONNECTION DETAILS SEE "STEEL DIAPHRAGM" SHEET.



SECTION A-A



BOTTOM FLANGE

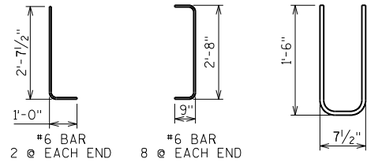


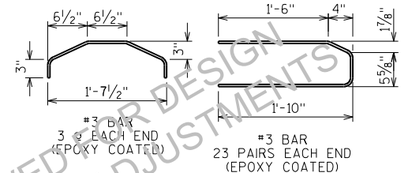
SIDE VIEW & TYPICAL SECTION IN SPAN

Ⓐ DETAIL TYP. AT EACH END

Ⓑ 6 #4 BARS, FULL LENGTH, MIN. LAP = 1'-11"

INSERT/HOLES SPACING FOR STEEL DIAPHRAGMS TO GIRDER WEB CONNECTION FOR ALL GIRDERS. SEE SUPERSTRUCTURE SHEET FOR MORE INFORMATION.





* MINIMUM CYLINDER STRENGTH OF CONCRETE @ TIME OF TRANSFER OF PRESTRESS FORCE.

GIRDER DATA

SPAN	GIRDER	GIRDER LENGTH "L"	DEAD LOAD DEFL. (IN.) 1/10	2/10	3/10	4/10	5/10	6/10	7/10	8/10	9/10	CONC. STRGTH. f'c (p.s.i.)	"P" 1ST 1/3 OF GIRDER	"P" MID 1/3 OF GIRDER	"P" END 1/3 OF GIRDER	DIA. OF STRAND (IN.)	DRAPED PATTERN TOTAL NO. OF STRANDS	f'ci (P.S.I.) *	(IN.) "A"	"B" MIN.	"B" MAX.	"C"	UNDRAPED PATTERN TOTAL NO. OF STRANDS	f'ci (P.S.I.) *
1	1	91.00	0.6	1.1	1.6	1.8	1.9	1.8	1.6	1.1	0.6	8000	9	8	9	0.6	32	6400	31	11.5	14.5	5		
1	2-6	91.00	0.6	1.2	1.6	1.9	2.0	1.9	1.6	1.2	0.6	8000	9	8	9	0.6	32	6400	31	11.5	14.5	5		
1	7	91.00	0.6	1.1	1.5	1.8	1.9	1.8	1.5	1.1	0.6	8000	9	8	9	0.6	32	6400	31	11.5	14.5	5		

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DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-44-291

DRAWN BY SEW | PLANS CK'D.

36W" PRESTRESSED GIRDER DETAILS 1 PRE_150

SHEET 9

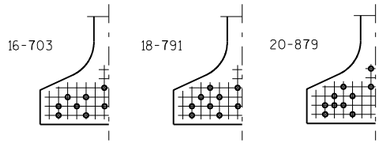
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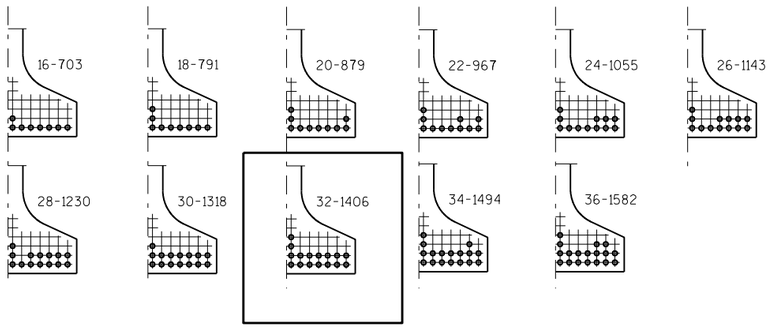
STATE PROJECT NUMBER

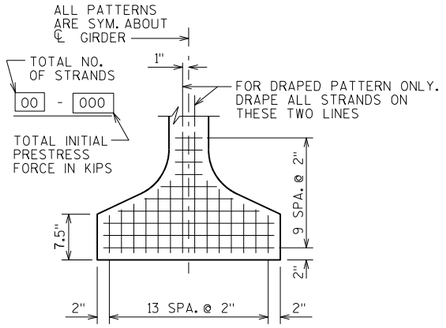
1146-75-71



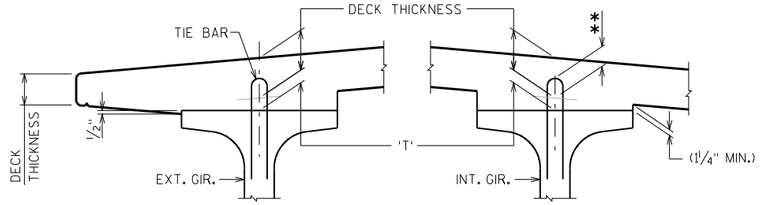
STANDARD ARRANGEMENTS TO RAISE CENTER OF GRAVITY TO AVOID DRAPING OF STRANDS

0.6"Φ STRANDS





TYP. STRAND PATTERN



DECK HAUNCH DETAIL

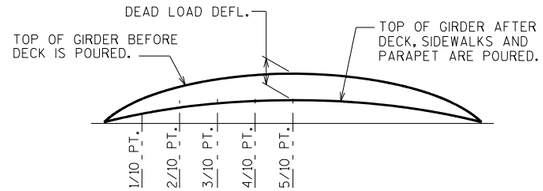
IF 1¼" MINIMUM HAUNCH HEIGHT AT EDGE OF GIRDER CANNOT BE MAINTAINED, THE GRADE LINE MAY BE REVISED BY THE ENGINEER AT THE OPTION OF THE CONTRACTOR. THE PLAN DECK THICKNESS SHALL BE HELD. NOTIFY THE STRUCTURES SECTION IF THE GRADE LINE IS RAISED FROM THE PLAN PROFILE BY MORE THAN ½" OR,

** IF 3" MINIMUM DECK EMBEDMENT OF TIE BAR CANNOT BE OBTAINED.

TO DETERMINE 'T', ELEV. OF TOP OF GIR'S. AT ℄ OF SUBSTRUCTURE UNITS & AT 1/10 POINTS OF EACH SPAN SHALL BE TAKEN. THEN FOLLOW THIS PROCESS:

TOP OF DECK ELEV. AT FINAL GRADE
- TOP OF GIRDER ELEVATION
+ DEAD LOAD DEFLECTION
- DECK THICKNESS
= HAUNCH HEIGHT 'T'

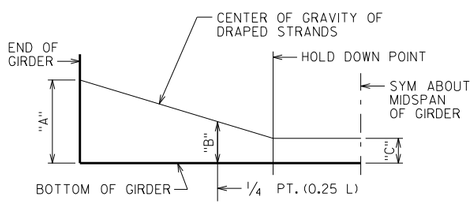
NOTE: AN AVERAGE HAUNCH ('T') OF 3.9" WAS USED IN THE QUANTITY "CONCRETE MASONRY BRIDGES".



DEAD LOAD DEFLECTION DIAGRAM

ARRANGEMENT AT ℄ SPAN - FOR GIRDERS WITH DRAPED STRANDS

0.6"Φ STRANDS



DRAPED STRAND PROFILE

*THE THEORETICAL INITIAL CAMBER VALUE AT THE TIME OF STRAND RELEASE AT MIDSPAN MULTIPLIED BY A FACTOR OF 1.4 TO ACCOUNT FOR CAMBER GROWTH FROM THE TIME OF STRAND RELEASE TO JOBSITE PLACEMENT.

SPAN	CAMBER (IN.) *
1	3.63

THESE VALUES ARE NOT TO BE USED IN DETERMINING 'T', USE ACTUAL GIRDER SHOTS.

THESE VALUES ARE FOR INFORMATIONAL PURPOSES ONLY.

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STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-44-291

DRAWN BY SEW | PLANS CK'D.

36W" PRESTRESSED GIRDER DETAILS 2 PRE_151

SHEET 10

8

8

SCALE = 1.00

STATE PROJECT NUMBER

1146-75-71

NOTES

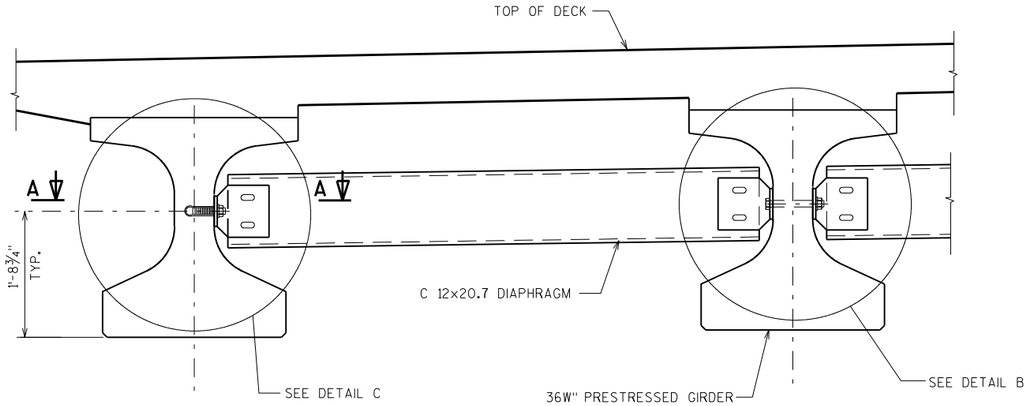
ALL DIAPHRAGM MATERIAL NOT EMBEDDED IN THE CONCRETE GIRDER SHALL BE PAID FOR AT THE UNIT PRICE BID FOR "STEEL DIAPHRAGMS B-44-291", EACH.

EACH DIAPHRAGM BETWEEN GIRDERS SHALL CONSTITUTE ONE UNIT.

ALL DIAPHRAGM STRUCTURAL STEEL SHALL BE ASTM A709 GRADE 36.

ALL DIAPHRAGM MATERIAL INCLUDING BOLTS, NUTS, AND WASHERS SHALL BE GALVANIZED AFTER FABRICATION.

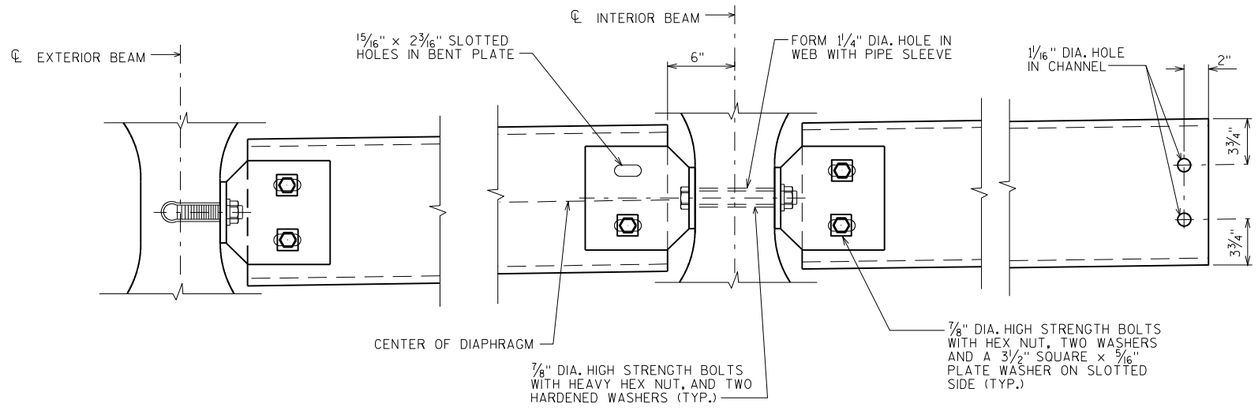
STEEL DIAPHRAGM TO CONCRETE WEB CONNECTION SHALL BE SNUG-TIGHT PLUS 1/4 TURN, UNLESS NOTED OTHERWISE. HIGH STRENGTH BOLTS FOR WEB CONNECTION SHALL MEET THE REQUIREMENTS FOR ASTM A325 OR ASTM A449.



EXTERIOR GIRDER

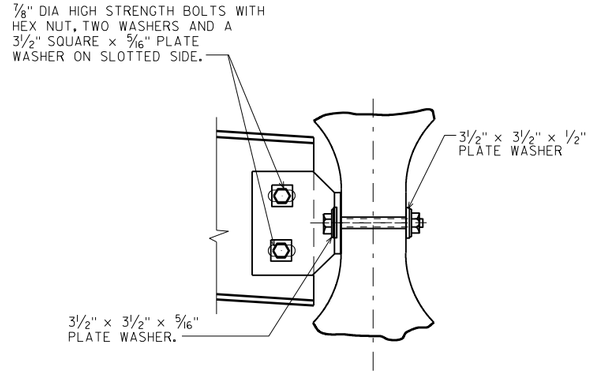
INTERIOR GIRDER

PART TRANSVERSE SECTION AT DIAPHRAGM

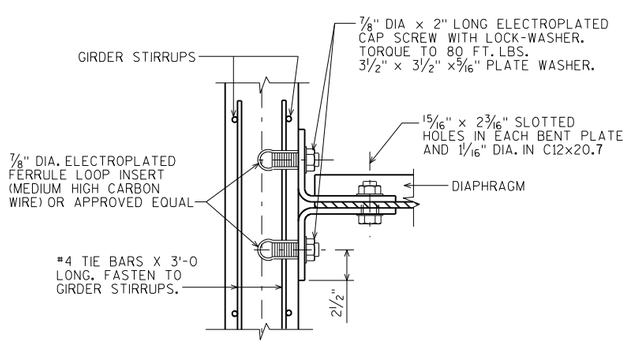


DETAIL C

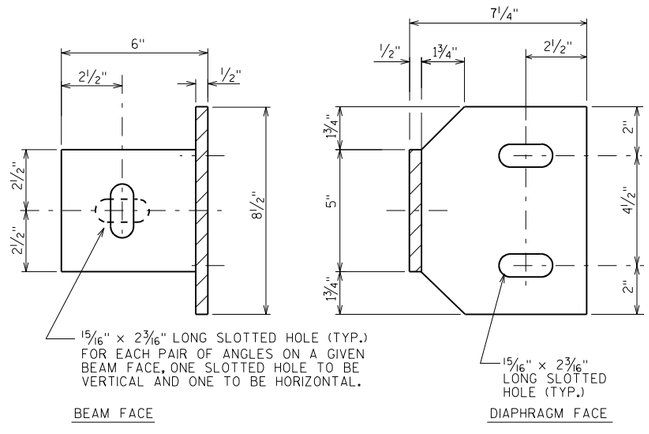
DETAIL B



SECTION AT INTERIOR GIRDERS THRU DIAPHRAGM FOR SKEW ANGLES > 10°

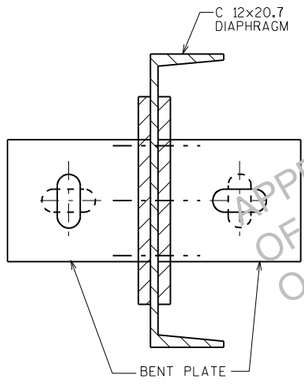


SECTION A-A
(FOR EXTERIOR ATTACHMENT)



BEAM FACE

DIAPHRAGM FACE



ATTACHMENT TO CHANNEL

APPROVED FOR DESIGN OF UTILITY ADJUSTMENTS OCTOBER 2019

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-44-291

DRAWN BY SEW | PLANS CK'D.

SHEET 11

STEEL DIAPHRAGM

PRE_152

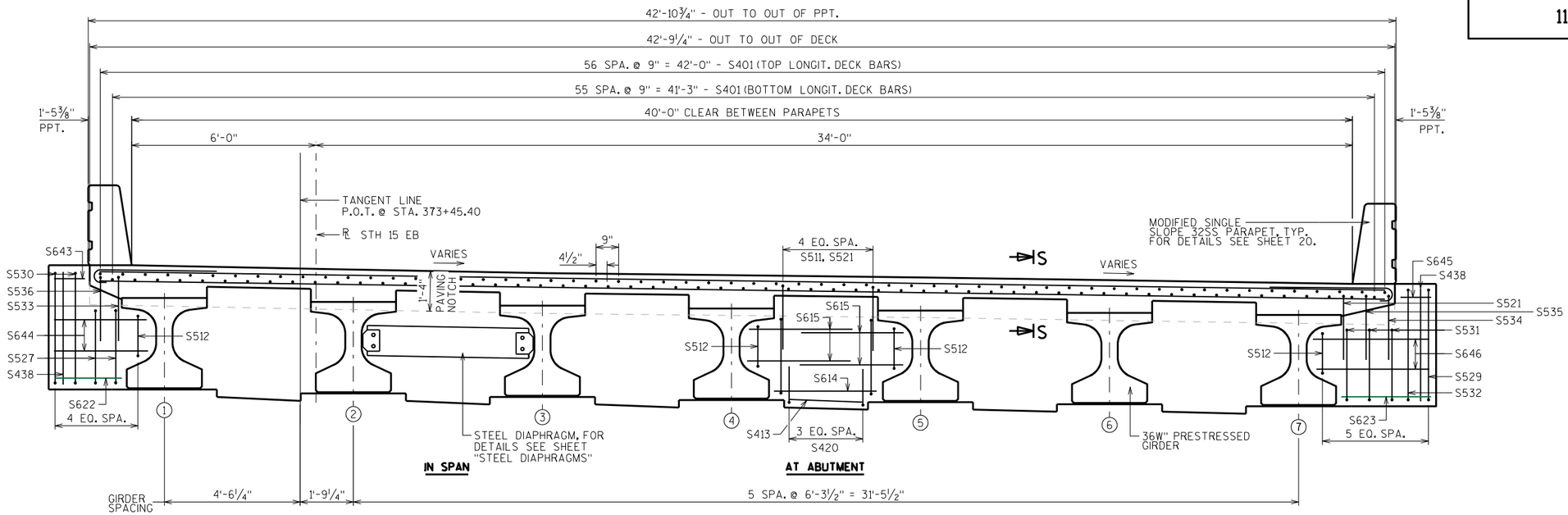
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8

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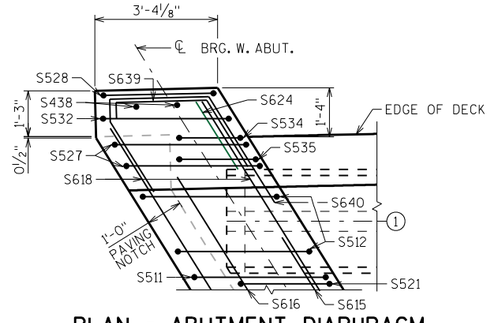
STATE PROJECT NUMBER

1146-75-71



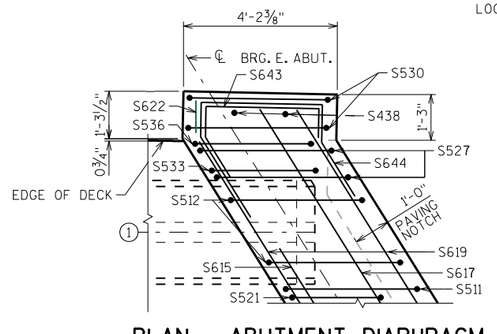
CROSS SECTION THRU ROADWAY

LOOKING EAST



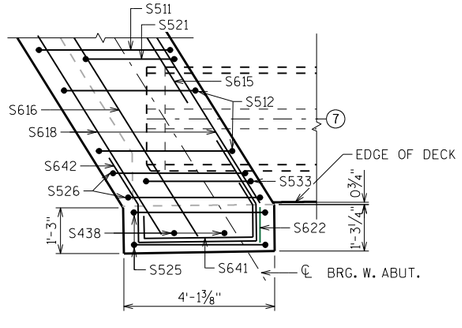
PLAN - ABUTMENT DIAPHRAGM

WING 2 SHOWN



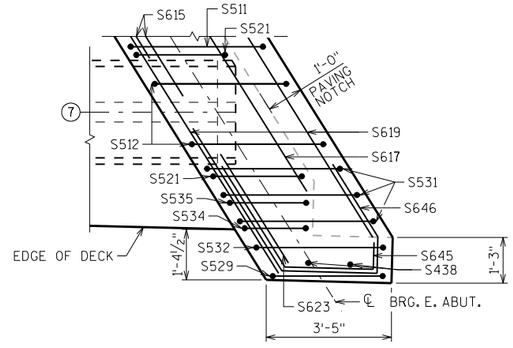
PLAN - ABUTMENT DIAPHRAGM

WING 3 SHOWN



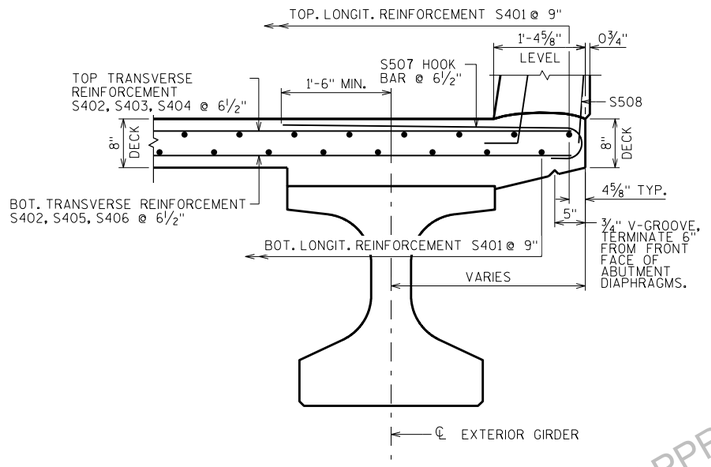
PLAN - ABUTMENT DIAPHRAGM

WING 1 SHOWN



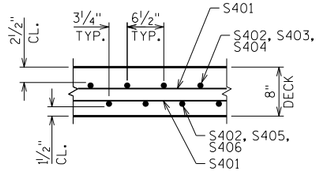
PLAN - ABUTMENT DIAPHRAGM

WING 4 SHOWN



DECK STEEL DETAIL

(TYP. AT BOTH EDGES)



SECTION S-S

◯ INDICATES GIRDER NUMBER

APPROVED FOR DESIGN OF UTILITY ADJUSTMENTS OCTOBER 2019

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-44-291

DRAWN BY	PLANS CK'D.
SEW	

SUPERSTRUCTURE CROSS SECTION

SHEET 12

PRE_153

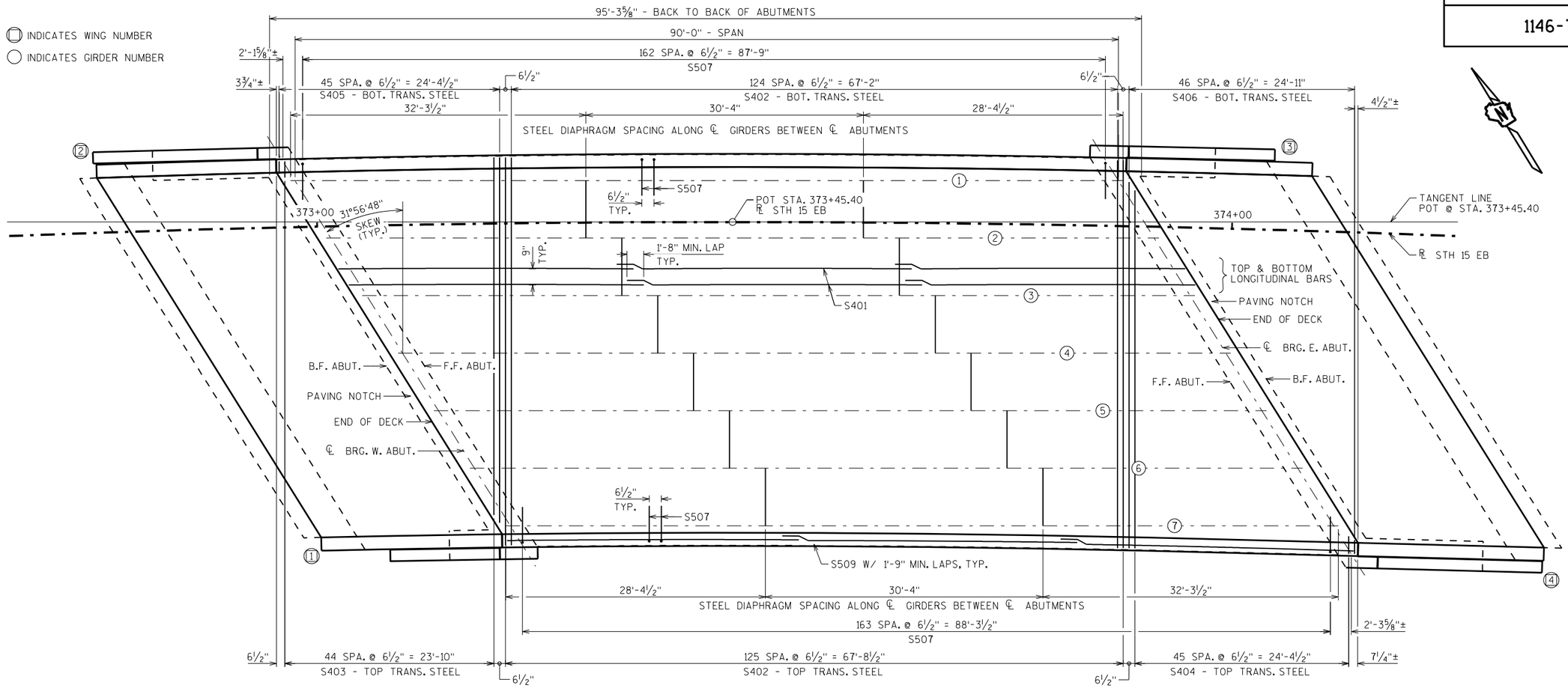
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STATE PROJECT NUMBER

1146-75-71



PLAN

(MEASUREMENTS TAKEN NORMAL TO TANGENT LINE)

TOP OF DECK ELEVATIONS

EOD = EDGE OF DECK

	℄ BRG. W. ABUT	1/10	2/10	3/10	4/10	5/10	6/10	7/10	8/10	9/10	℄ BRG. E. ABUT.
NORTH EOD	810.49	810.76	811.02	811.29	811.55	811.81	812.06	812.32	812.57	812.83	813.08
℄ GIRDER 1	810.48	810.73	811.00	811.26	811.52	811.77	812.03	812.30	812.56	812.82	813.09
℞ 'EB'	810.29	810.56	810.83	811.10	811.37	811.64	811.91	812.18	812.45	812.72	812.99
℄ GIRDER 2	810.24	810.51	810.77	811.03	811.31	811.58	811.85	812.13	812.41	812.69	812.97
℄ GIRDER 3	810.01	810.28	810.54	810.82	811.11	811.40	811.69	811.98	812.28	812.57	812.87
℄ GIRDER 4	809.79	810.05	810.32	810.62	810.93	811.23	811.54	811.85	812.16	812.47	812.78
℄ GIRDER 5	809.56	809.82	810.12	810.44	810.76	811.08	811.40	811.72	812.05	812.38	812.70
℄ GIRDER 6	809.33	809.60	809.93	810.26	810.60	810.94	811.28	811.62	811.95	812.29	812.62
℄ GIRDER 7	809.11	809.41	809.76	810.11	810.46	810.81	811.17	811.52	811.85	812.19	812.52
SOUTH EOD	809.10	809.42	809.77	810.13	810.48	810.84	811.19	811.54	811.87	812.20	812.52

APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS
OCTOBER 2019

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-44-291

DRAWN BY	PLANS CK'D.
SEW	

SUPERSTRUCTURE

SHEET 13

PRE_154

SCALE = 6.00

8

8

STATE PROJECT NUMBER

1146-75-71

BILL OF BARS

NOTE: THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE

BAR MARK	COAT	NO. REQ'D.	LENGTH	BENT	BAR SERIES	LOCATION
S401	X	339	32'-0"			DECK - TOP & BOT. HORIZ. - LONGIT.
S402	X	251	42'-5"			DECK - TOP & BOT. HORIZ. - TRANS.
⚠ S403	X	45	21'-1"		X	DECK - TOP HORIZ. - LONGIT.
⚠ S404	X	46	21'-2"		X	DECK - TOP HORIZ. - TRANS.
⚠ S405	X	46	21'-1"		X	DECK - BOT. HORIZ - TRANS.
⚠ S406	X	47	21'-2"		X	DECK - BOT. HORIZ. - TRANS.
S507	X	327	5'-3"	X		DECK - TOP - TRANS. - HOOK
S508	X	279	4'-5"	X		PARAPET/DECK - VERT. - TRANS.
S509	X	36	32'-3"			PARAPET - HORIZ. - LONGIT.
S510	X	279	5'-0"	X		PARAPET - VERT. - TRANS.
S511	X	60	13'-0"	X		ABUT. DIAPHRAGM - STIRRUP - BTWN. GIRD
S512	X	28	11'-0"	X		ABUT. DIAPHRAGM - STIRRUP - AT GIRDERS
S413	X	24	2'-10"			ABUT. DIAPHRAGM - BTWN. GIRDERS
S614	X	12	4'-0"			ABUT. DIAPHRAGM - BTWN. GIRDERS
S615	X	48	4'-2"			ABUT. DIAPHRAGM - BTWN. GIRDERS
S616	X	1	50'-0"			ABUT. DIAPHRAGM AT W. PAVING NOTCH
S617	X	1	51'-4"			ABUT. DIAPHRAGM AT E. PAVING NOTCH
S618	X	4	51'-0"			ABUT. DIAPHRAGM AT W. ABUT.
S619	X	4	53'-0"			ABUT. DIAPHRAGM AT E. ABUT.
S420	X	48	3'-7"	X		ABUT. DIAPHRAGM - BTWN. GIRDERS
S521	X	61	7'-8"	X		ABUT. DIAPHRAGM - WING 4 & BTWN GIRDERS
S622	X	2	1'-0"			ABUT. DIAPHRAGM ENDS - WINGS 1& 3
S623	X	1	3'-6"			ABUT. DIAPHRAGM ENDS - WING 4 - HORZ
S624	X	1	2'-5"			ABUT. DIAPHRAGM ENDS - WING 2 - HORZ
S525	X	2	15'-8"	X		ABUT. DIAPHRAGM ENDS - WING 1- VERT
S526	X	2	12'-10"	X		ABUT. DIAPHRAGM ENDS - WING 1- VERT
S527	X	4	13'-0"	X		ABUT. DIAPHRAGM ENDS - WINGS 2 & 3
S528	X	1	14'-4"	X		ABUT. DIAPHRAGM ENDS - WING 2 - VERT
S529	X	1	14'-6"	X		ABUT. DIAPHRAGM ENDS - WING 4 - VER
S530	X	2	15'-10"	X		ABUT. DIAPHRAGM ENDS - WING 3 - VERT
S531	X	3	13'-0"	X		ABUT. DIAPHRAGM ENDS - WING 4 - VERT
S532	X	2	15'-4"	X		ABUT. DIAPHRAGM ENDS - WINGS 2 & 4
S533	X	2	8'-1"	X		ABUT. DIAPHRAGM ENDS - WINGS 1& 3
S534	X	2	6'-11"	X		ABUT. DIAPHRAGM ENDS - WINGS 2 & 4
S535	X	2	7'-4"	X		ABUT. DIAPHRAGM ENDS - WINGS 2 & 4
S536	X	1	8'-6"	X		ABUT. DIAPHRAGM ENDS - WING 3 - VERT
S537	X	14	6'-0"			ABUT. DIAPHRAGM THRU GIRDERS - HORZ
S438	X	8	3'-9"			ABUT. DIAPHRAGM ENDS - VERT
S639	X	1	4'-9"	X		ABUT. DIAPHRAGM ENDS - WING 2 - HORZ
S640	X	2	9'-2"	X		ABUT. DIAPHRAGM ENDS - WING 2 - HORZ
S641	X	1	5'-2"	X		ABUT. DIAPHRAGM ENDS - WING 1- HORZ
S642	X	2	8'-11"	X		ABUT. DIAPHRAGM ENDS - WING 1- HORZ
S643	X	1	5'-3"	X		ABUT. DIAPHRAGM ENDS - WING 3 - HORZ
S644	X	2	9'-9"	X		ABUT. DIAPHRAGM ENDS - WING 3 - HORZ
S645	X	1	5'-0"	X		ABUT. DIAPHRAGM ENDS - WING 4 - HORZ
S646	X	2	10'-5"	X		ABUT. DIAPHRAGM ENDS - WING 4 - HORZ
SS901		87	5'-0"	X		ABUT. DIAPH./APPROACH SLAB TIE

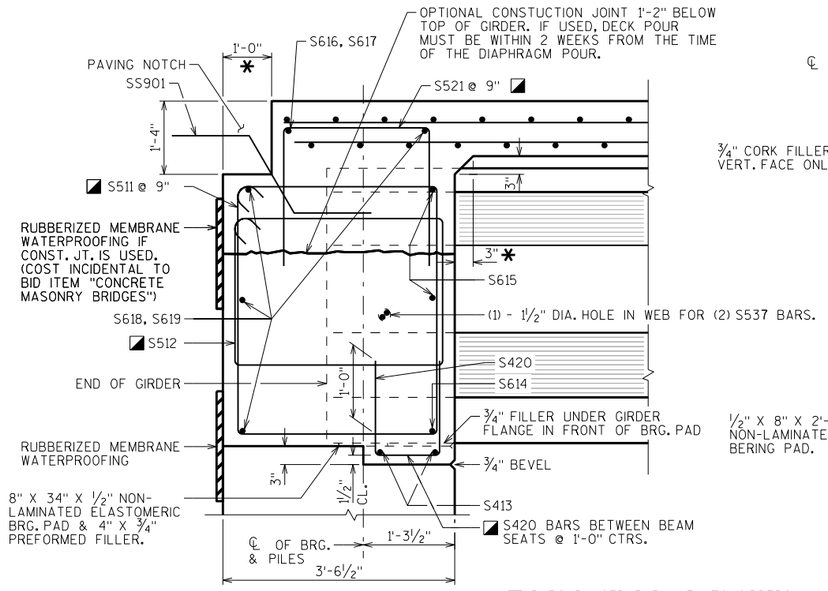
⚠ LENGTH SHOWN FOR BAR IS AN AVERAGE LENGTH AND SHOULD ONLY BE USED FOR BAR WEIGHT CALCULATIONS. SEE BAR SERIES TABLE FOR ACTUAL LENGTHS.

STAINLESS STEEL REINFORCEMENT

BAR SERIES TABLE

BAR MARK	NO. REQ'D.	LENGTH
S403	1 SERIES OF 45	1'-9" TO 40'-5"
S404	1 SERIES OF 46	1'-11" TO 40'-4"
S405	1 SERIES OF 46	1'-4" TO 40'-10"
S406	1 SERIES OF 47	1'-5" TO 40'-10"

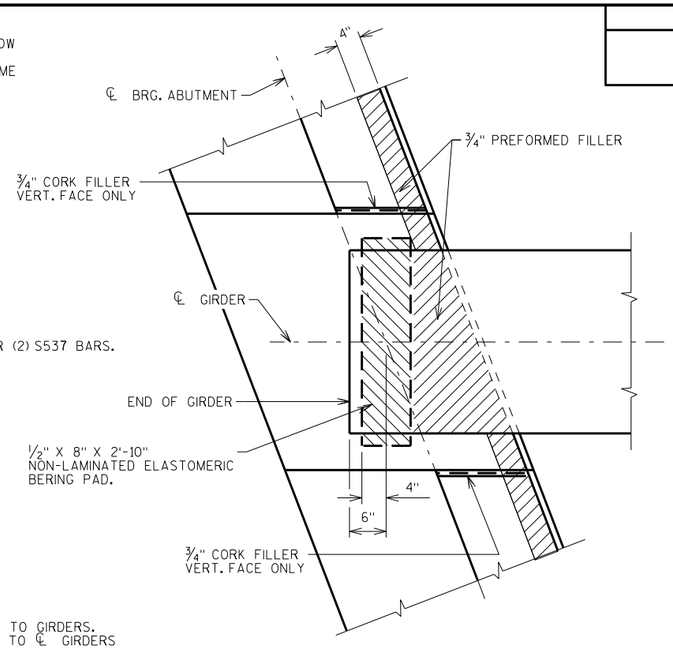
BUNDLE AND TAG EACH SERIES SEPARATELY.



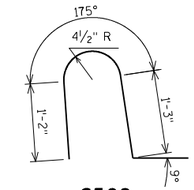
PART. LONGIT. SECTION

◪ BARS PLACED PARALLEL TO GIRDERS. SPACING PERPENDICULAR TO ℄ GIRDERS

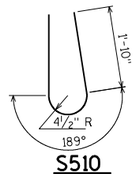
✱ DIMENSION IS TAKEN NORMAL TO ℄ SUBSTRUCTURE UNITS



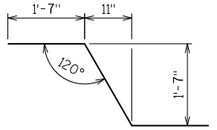
ABUTMENT BEARING PAD DETAIL



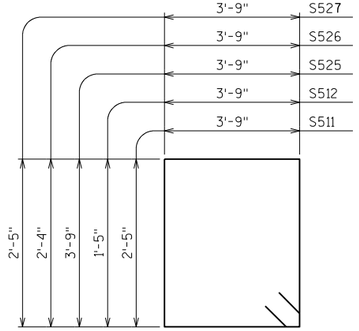
S508



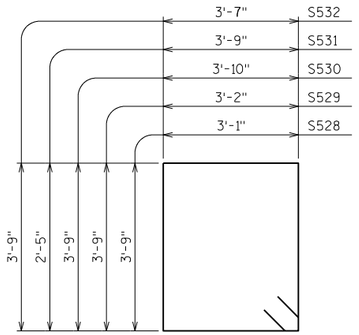
S510



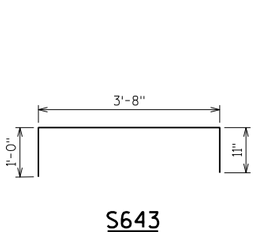
SS901



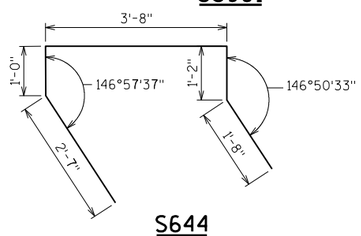
S511, S512, S525, S526, S527



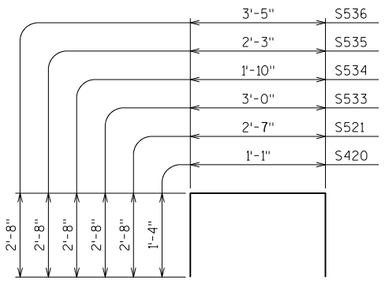
S528, S529, S530, S531, S532



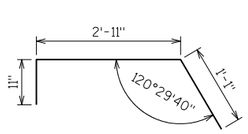
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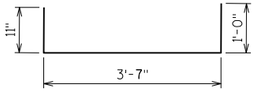
S644



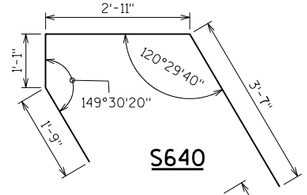
S420, S521, S533, S534, S535, S536



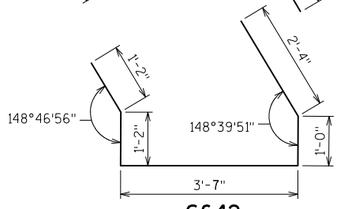
S639



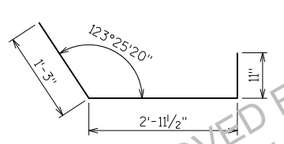
S641



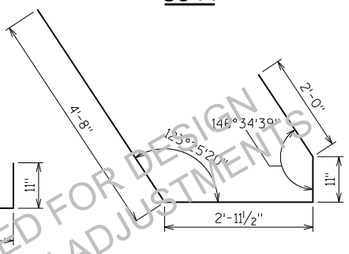
S640



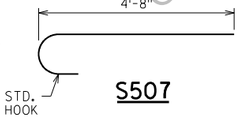
S642



S645



S646



S507

APPROVED FOR DESIGN OF UTILITY ADJUSTMENTS OCTOBER 2019

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-44-291

DRAWN BY SEW | PLANS CK'D.

SUPERSTRUCTURE BAR DETAILS

SHEET 14

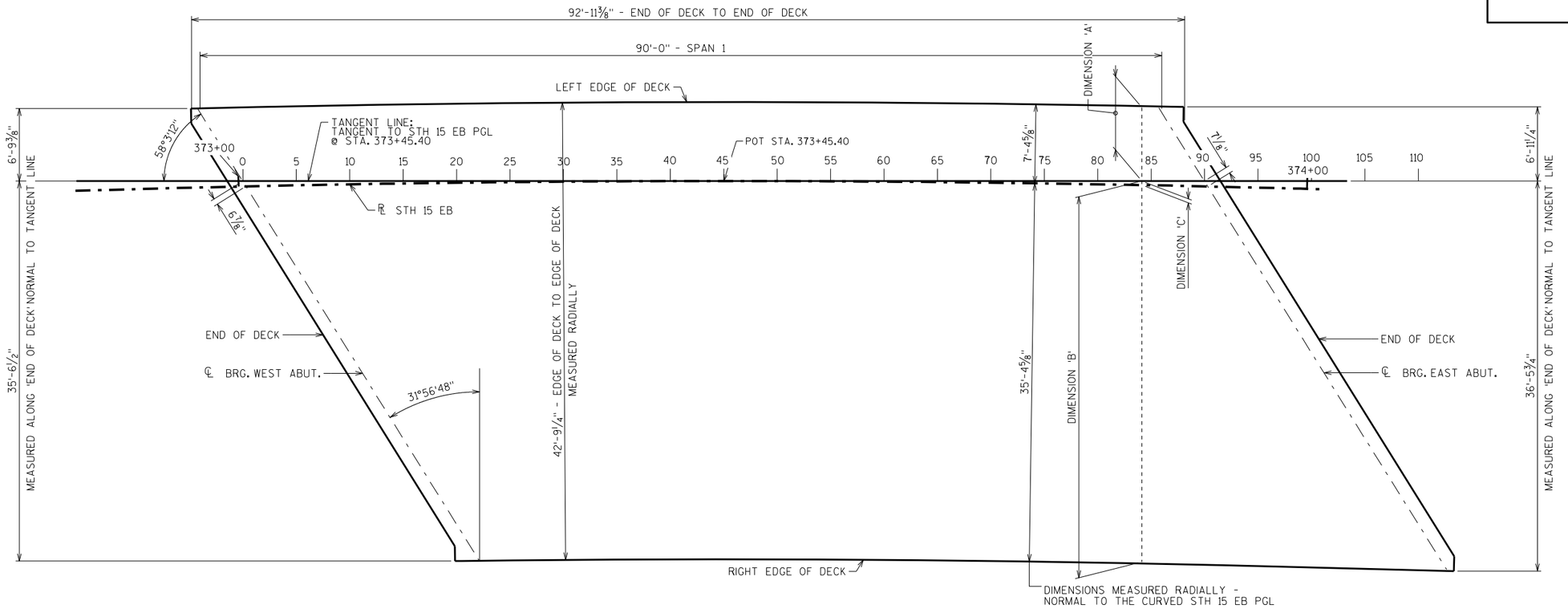
PRE_155

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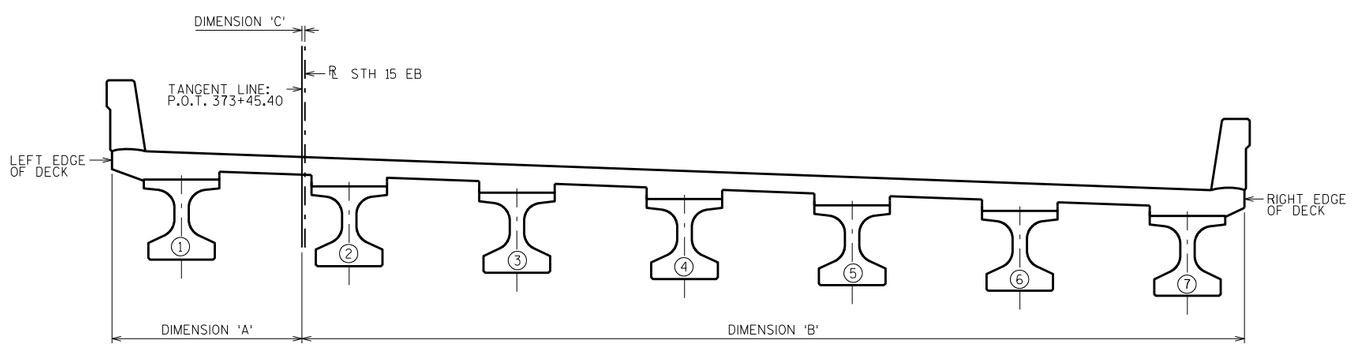
8

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STATE PROJECT NUMBER
1146-75-71



PLAN



CROSS SECTION THRU BRIDGE LOOKING EAST

(HORIZONTAL DIMENSIONS ARE MEASURED NORMAL TO THE TANGENT LINE.)

TABLE OF TAN. OFFSETS

DIST.	A	B	C
0	6'-10 3/4"	——	6"
5	6'-11 7/8"	——	4 3/4"
10	7'-1"	——	3 5/8"
15	7'-2"	——	2 5/8"
20	7'-2 3/4"	35'-6 1/2"	1 7/8"
25	7'-3 1/2"	35'-5 7/8"	1 1/8"
30	7'-4"	35'-5 1/4"	5/8"
35	7'-4 3/8"	35'-4 7/8"	1/4"
40	7'-4 1/2"	35'-4 3/4"	1/8"
45	7'-4 5/8"	35'-4 5/8"	0"
50	7'-4 1/2"	35'-4 3/4"	1/8"
55	7'-4 3/8"	35'-4 7/8"	1/4"
60	7'-4"	35'-5 1/4"	5/8"
65	7'-3 1/2"	35'-5 7/8"	1 1/8"
70	7'-2 3/4"	35'-6 1/2"	1 7/8"
75	7'-2"	35'-7 3/8"	2 5/8"
80	7'-1"	35'-8 1/4"	3 5/8"
85	6'-11 7/8"	35'-9 3/8"	4 3/4"
90	——	35'-10 3/4"	6"
95	——	36'-0 1/8"	7 3/8"
100	——	36'-1 5/8"	8 7/8"
105	——	36'-3 1/4"	10 3/8"
110	——	36'-4 3/4"	1'-0"

NOTE: DIMENSION 'A' = DISTANCE BETWEEN THE 'TANGENT LINE' AND THE LEFT 'EDGE OF DECK'.

DIMENSION 'B' = DISTANCE BETWEEN THE 'TANGENT LINE' AND THE RIGHT 'EDGE OF DECK'.

DIMENSION 'C' = DISTACE BETWEEN THE 'TANGENT LINE' AND ℄ STH 15 EB.

APPROVED FOR DESIGN OF UTILITY ADJUSTMENTS OCTOBER 2019

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-44-291

DRAWN BY	SEW	PLANS CK'D.

DECK LAYOUT

SHEET 15

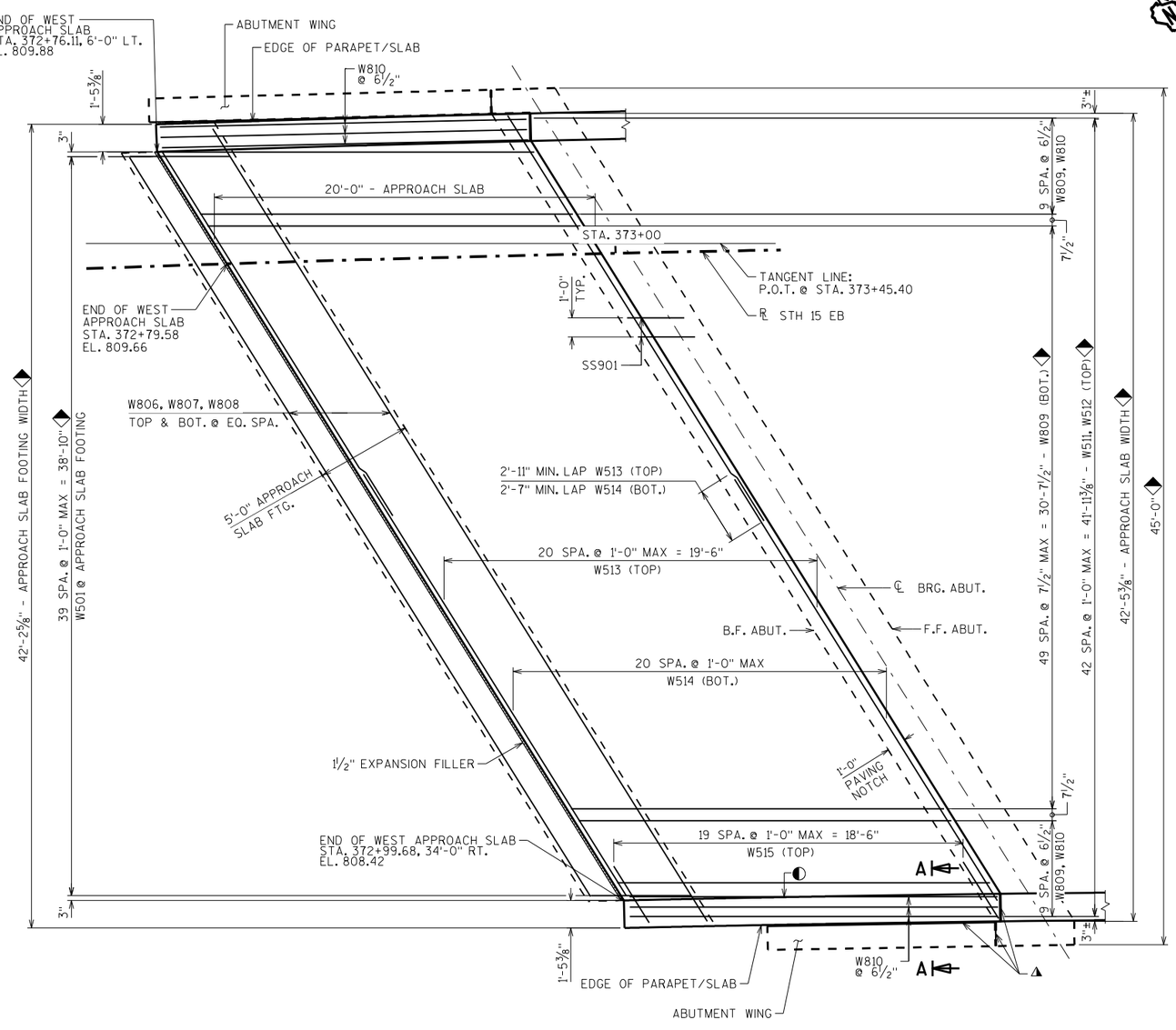
PRE_156

SCALE = 5.50

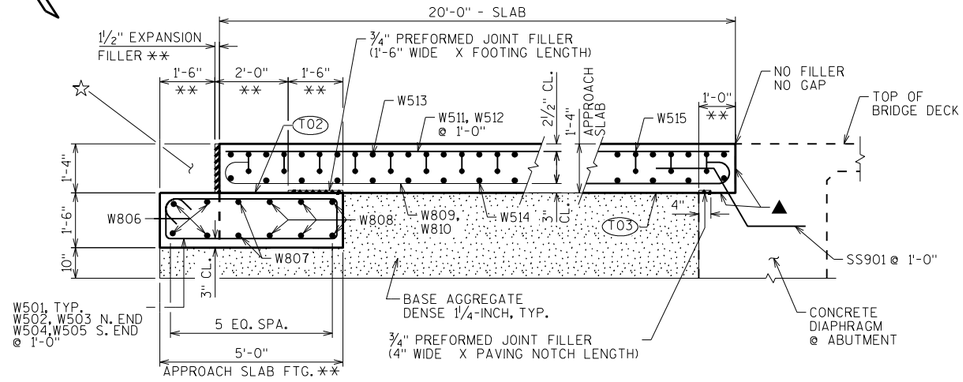
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8

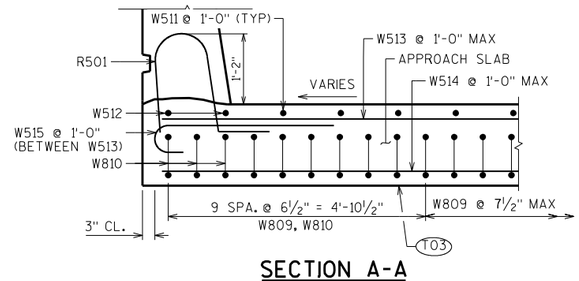
STATE PROJECT NUMBER
1146-75-71



PLAN



SECTION THRU APPROACH SLAB



SECTION A-A

(NORTH END SIMILAR)

- ◆ MEASURED NORMAL TO TANGENT
- ** MEASURED NORMAL TO ABUTMENT
- ☆ FOLLOW FDM 14-10-15 REQUIREMENTS FOR ROADWAY APPROACH PAVEMENT.
- ◭ SEAL ALL EXPOSED HORIZONTAL AND VERTICAL SURFACES OF ½" FILLER WITH NON-STAINING, GRAY, NON-BITUMINOUS JOINT SEALER. (1" DEEP AND HOLD ⅛" BELOW SURFACE OF CONCRETE).
- ▲ APPLY PROTECTIVE SURFACE TREATMENT TO PAVING NOTCH PRIOR TO POURING STRUCTURAL APPROACH SLAB.
- ◐ SEE PARAPET STANDARD DETAILS FOR LOCATION OF NAMEPLATE AND BENCH MARK WITH RESPECT TO THE END OF PARAPET

(T02) STEEL TROWEL TOP SURFACE OF FOOTING AND PLACE MULTIPLE LAYERS (0.03" MIN. TOTAL THK.) OF POLYETHYLENE SHEETS OVER THE ENTIRE TOP OF FOOTING.

(T03) PLACE MULTIPLE LAYERS (0.03" MIN. TOTAL THK.) OF POLYETHYLENE SHEETS OVER THE ENTIRE TOP OF SUBGRADE BENEATH SLAB.

DESIGN DATA

ALLOWABLE SOIL BEARING PRESSURE:	2,000 P.S.F.
CONCRETE STRENGTH f'c:	4,000 P.S.I.
BAR STEEL REINFORCEMENT, GRADE 60, fy:	60,000 P.S.I.

APPROVED FOR DESIGN OF UTILITY ADJUSTMENTS OCTOBER 2019

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-44-291

DRAWN BY	SEW	PLANS CK'D.

W. STRUCTURAL APPROACH SLAB

SHEET 16

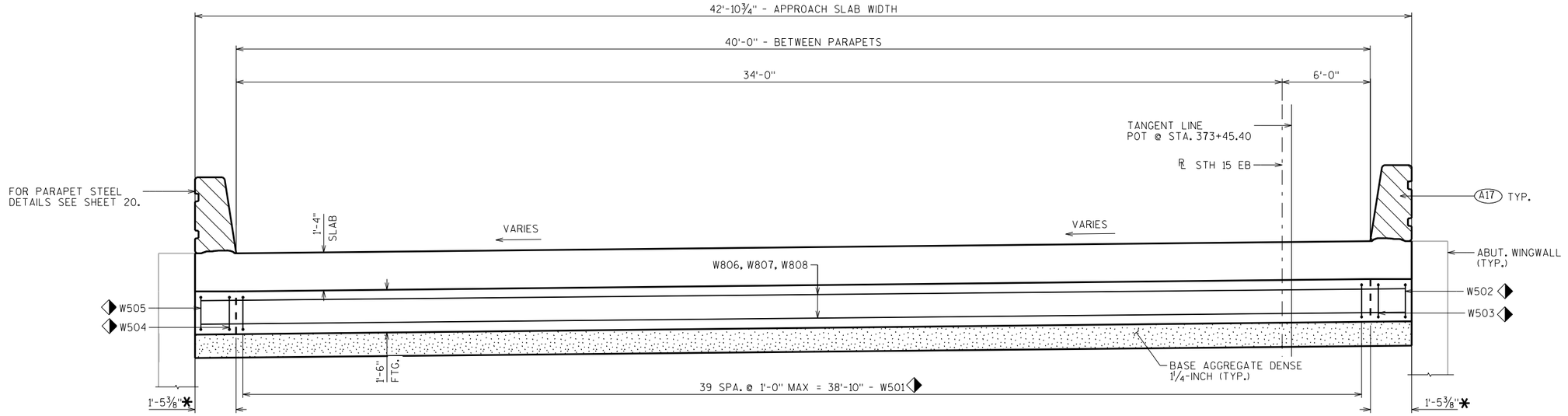
PRE_157

SCALE = 3.50

8

8

STATE PROJECT NUMBER
1146-75-71



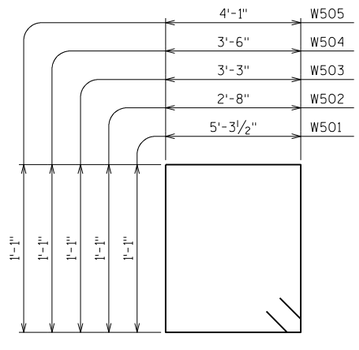
CROSS SECTION THRU ROADWAY - LOOKING WEST

(MEASUREMENTS TAKEN NORMAL TO ℄ STH 15 EB, SHOWING FOOTING STEEL ONLY)

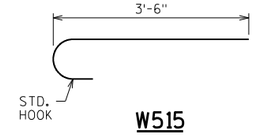
BILL OF BARS

NOTE: THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE

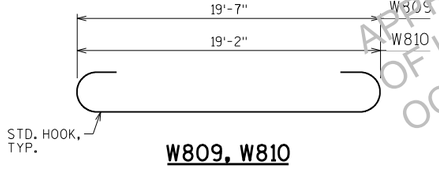
BAR MARK	COAT	NO. REQ'D.	LENGTH	BENT	BAR SERIES	LOCATION
W501	X	40	13'-5"	X		APPROACH SLAB FTG. - STIRRUP
W502	X	1	8'-2"	X		APPROACH SLAB FTG. - STIR. NORTH END
W503	X	1	9'-4"	X		APPROACH SLAB FTG. - STIR. NORTH END
W504	X	1	9'-10"	X		APPROACH SLAB FTG. - STIR. SOUTH END
W505	X	1	11'-0"	X		APPROACH SLAB FTG. - STIR. SOUTH END
W806	X	4	45'-9"			APPROACH SLAB FTG. - TRANS.
W807	X	2	48'-0"			APPROACH SLAB FTG. - TRANS.
W808	X	6	49'-1"			APPROACH SLAB FTG. - TRANS.
W809	X	64	21'-5"	X		APPROACH SLAB - LONG. - BOT.
W810	X	6	21'-0"	X		APPROACH SLAB - LONG. - BOT.
W511	X	39	19'-7"			APPROACH SLAB - LONG. - TOP
W512	X	4	19'-2"			APPROACH SLAB - LONG. - TOP
W513	X	42	26'-3"			APPROACH SLAB - TRANS. - TOP
W514	X	42	26'-1"			APPROACH SLAB - TRANS. - BOT.
W515	X	40	4'-1"	X		APPROACH SLAB - TRANS. - TOP - WING



W501, W502, W503, W504, W505



W515



W809, W810

A17 1/2" FILLER (INCLUDED IN WING LENGTH): SEAL ALL EXPOSED HORIZ. & VERT. SURFACES OF 1/2" FILLER WITH NON-STAINING GRAY NON-BITUMINOUS JOINT SEALER. (1" DEEP AND HOLD 1/8" BELOW SURFACE OF CONCRETE). EXTEND SEALER 3" BELOW GUTTER LINE AT INSIDE FACE.

* NOTCH FOR THRIE BEAM

BARS PLACED PARALLEL TO TAN. LINE
SPACING PERPENDICULAR TO TAN. LINE

APPROVED FOR PUBLIC RELEASE
OF UTILITY ADJUSTMENT
OCTOBER 2019

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-44-291

DRAWN BY	PLANS CK'D.
SEW	

W. STRUCT. APP. SLAB DETAILS

SHEET 17

PRE_158

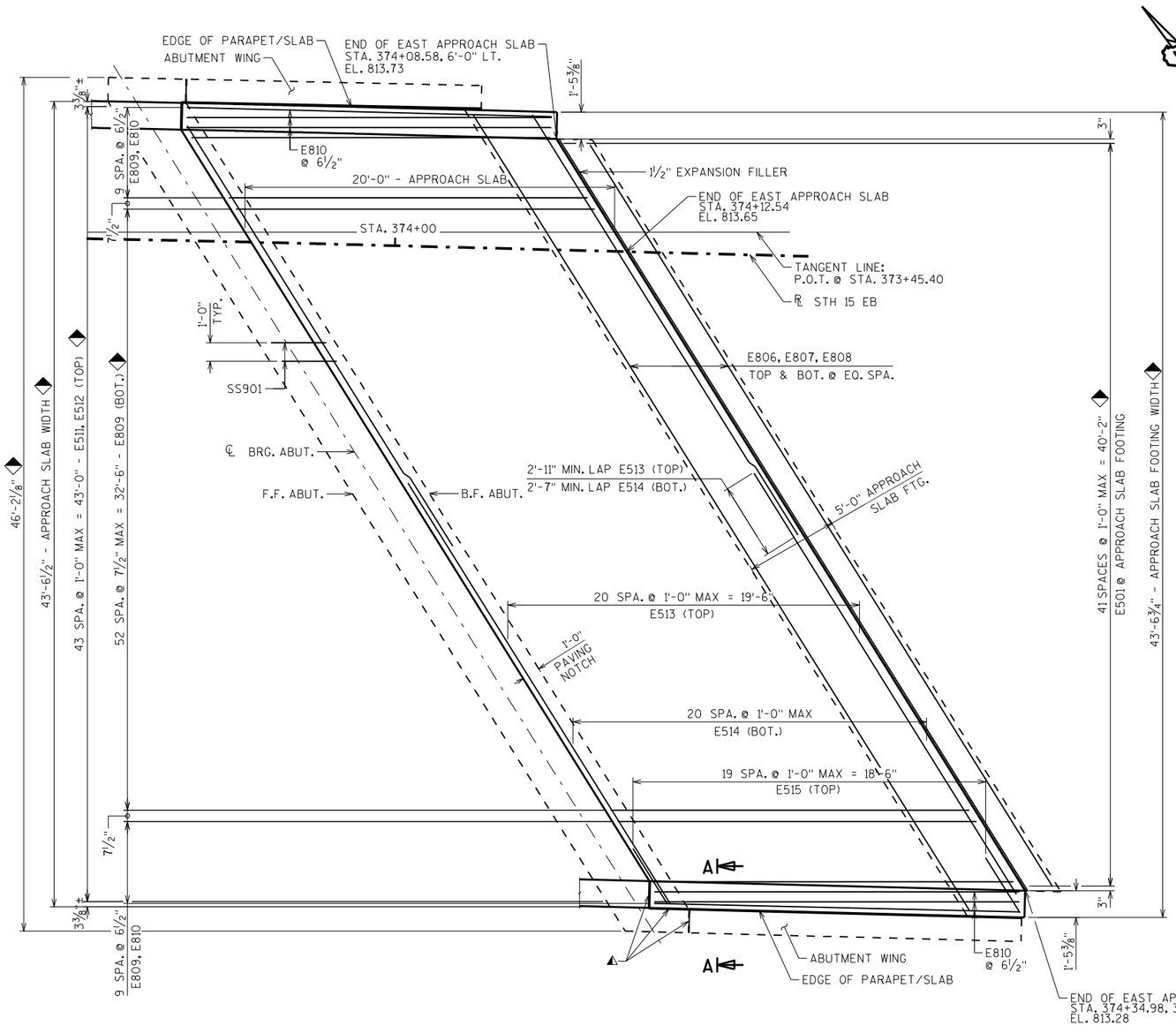
SCALE = 3.00

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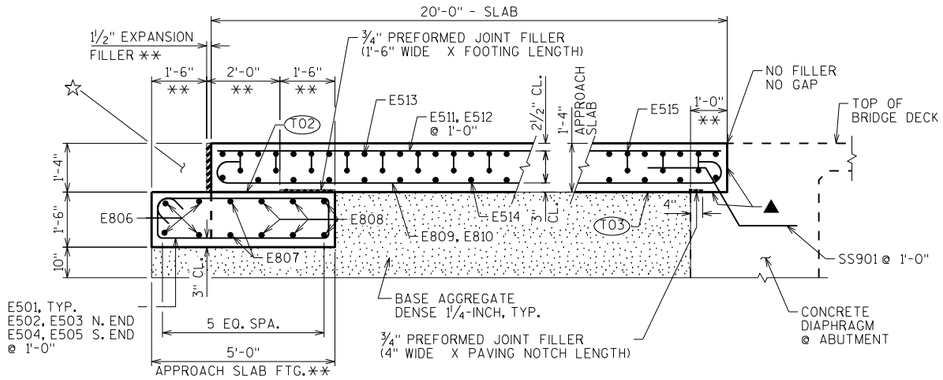
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STATE PROJECT NUMBER

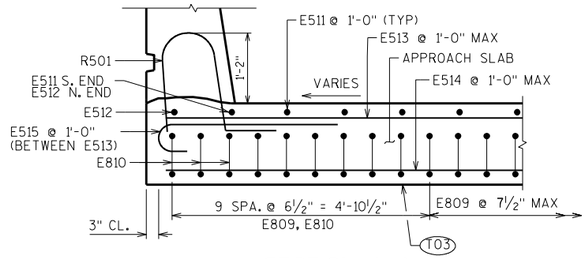
1146-75-71



PLAN



SECTION THRU APPROACH SLAB



SECTION A-A

(NORTH END SIMILAR)

- ◆ MEASURED NORMAL TO TANGENT LINE
- ** MEASURED NORMAL TO ABUTMENT
- ☆ FOLLOW FDM 14-10-15 REQUIREMENTS FOR ROADWAY APPROACH PAVEMENT.
- ◭ SEAL ALL EXPOSED HORIZONTAL AND VERTICAL SURFACES OF 1/2" FILLER WITH NON-STAINING, GRAY, NON-BITUMINOUS JOINT SEALER. (1" DEEP AND HOLD 1/8" BELOW SURFACE OF CONCRETE).
- ▲ APPLY PROTECTIVE SURFACE TREATMENT TO PAVING NOTCH PRIOR TO POURING STRUCTURAL APPROACH SLAB.

(T02) STEEL TROWEL TOP SURFACE OF FOOTING AND PLACE MULTIPLE LAYERS (0.03" MIN. TOTAL THK.) OF POLYETHYLENE SHEETS OVER THE ENTIRE TOP OF FOOTING.

(T03) PLACE MULTIPLE LAYERS (0.03" MIN. TOTAL THK.) OF POLYETHYLENE SHEETS OVER THE ENTIRE TOP OF SUBGRADE BENEATH SLAB.

DESIGN DATA

ALLOWABLE SOIL BEARING PRESSURE:	2,000 P.S.F.
CONCRETE STRENGTH f'c:	4,000 P.S.I.
BAR STEEL REINFORCEMENT, GRADE 60, fy:	60,000 P.S.I.

APPROVED FOR DESIGN OF UTILITY ADJUSTMENTS OCTOBER 2019

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-44-291

DRAWN BY SEW | PLANS CK'D.

E. STRUCTURAL APPROACH SLAB

SHEET 18

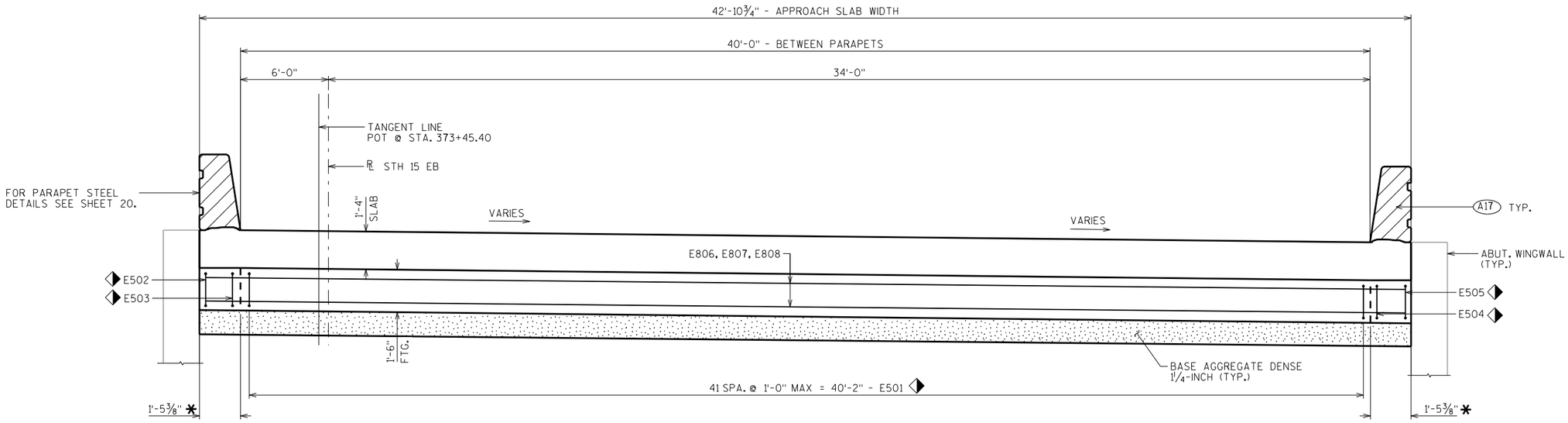
PRE_159

SCALE = 3.50

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8

STATE PROJECT NUMBER
1146-75-71



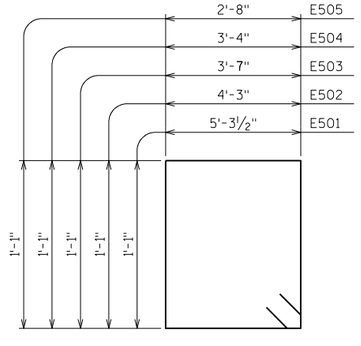
CROSS SECTION THRU ROADWAY - LOOKING EAST

(MEASUREMENTS TAKEN NORMAL TO ℄ STH 15 EB, SHOWING FOOTING STEEL ONLY)

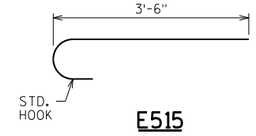
BILL OF BARS

NOTE: THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE

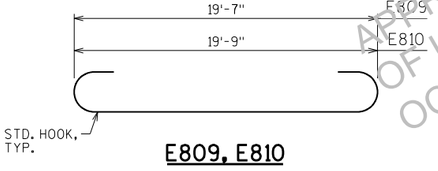
BAR MARK	COAT	NO. REQ'D.	LENGTH	BENT	BAR SERIES	LOCATION
E501	X	42	13'-5"	X		APPROACH SLAB FTG. - STIRRUP
E502	X	1	11'-4"	X		APPROACH SLAB FTG. - STIR. NORTH END
E503	X	1	10'-0"	X		APPROACH SLAB FTG. - STIR. NORTH END
E504	X	1	9'-6"	X		APPROACH SLAB FTG. - STIR. SOUTH END
E505	X	1	8'-2"	X		APPROACH SLAB FTG. - STIR. SOUTH END
E806	X	4	47'-3"			APPROACH SLAB FTG. - TRANS.
E807	X	2	49'-10"			APPROACH SLAB FTG. - TRANS.
E808	X	6	50'-9"			APPROACH SLAB FTG. - TRANS.
E809	X	67	21'-5"	X		APPROACH SLAB - LONG. - BOT.
E810	X	6	21'-7"	X		APPROACH SLAB - LONG. - BOT.
E511	X	41	19'-7"			APPROACH SLAB - LONG. - TOP
E512	X	3	19'-9"			APPROACH SLAB - LONG. - TOP
E513	X	42	26'-11"			APPROACH SLAB - TRANS. - TOP
E514	X	42	26'-9"			APPROACH SLAB - TRANS. - BOT.
E515	X	40	4'-1"	X		APPROACH SLAB - TRANS. - TOP - WING



E501, E502, E503, E504, E505



E515



E809, E810

A17 1/2" FILLER (INCLUDED IN WING LENGTH): SEAL ALL EXPOSED HORIZ. & VERT. SURFACES OF 1/2" FILLER WITH NON-STAINING GRAY NON-BITUMINOUS JOINT SEALER. (1" DEEP) AND HOLD 1/8" BELOW SURFACE OF CONCRETE). EXTEND SEALER 3" BELOW GUTTER LINE AT INSIDE FACE.

* NOTCH FOR THRIE BEAM

◢ BARS PLACED PARALLEL TO TAN. LINE
◢ SPACING PERPENDICULAR TO TAN. LINE

APPROVED FOR USE OF UTILITY ADJUSTMENT OCTOBER 2019

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-44-291

DRAWN BY	PLANS CK'D.
SEW	

E. STRUCT. APP. SLAB DETAILS

SHEET 19

PRE_160

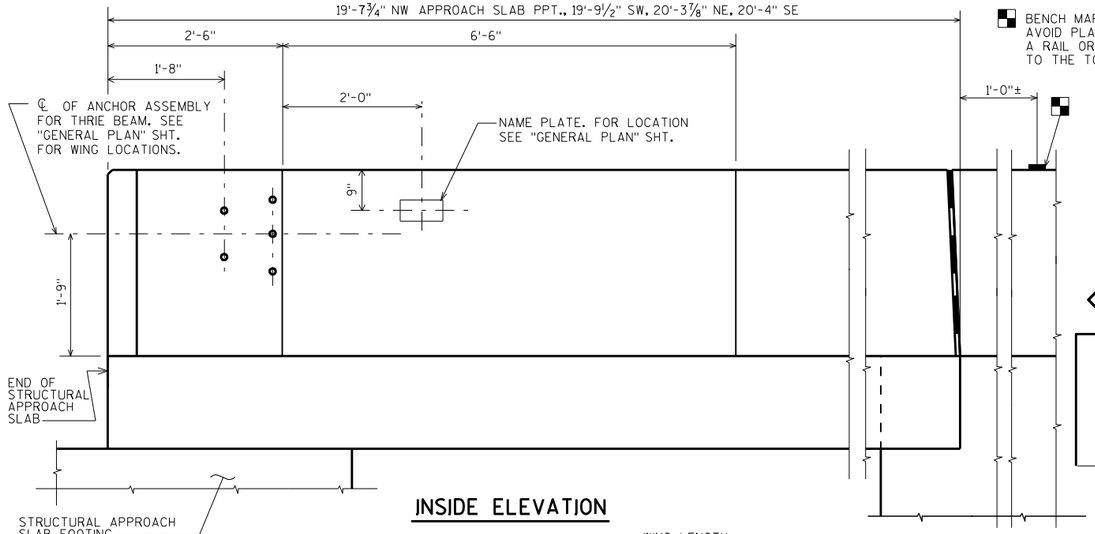
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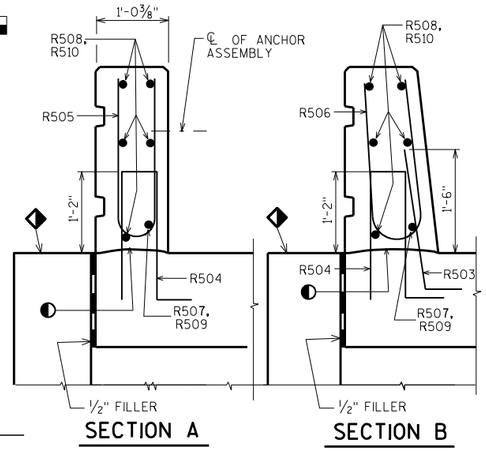
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STATE PROJECT NUMBER

1146-75-71

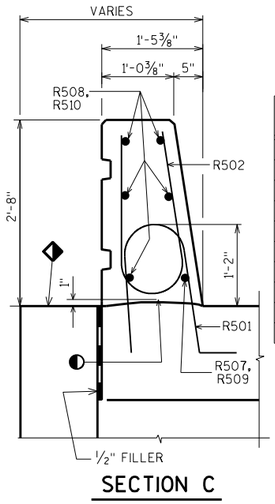


INSIDE ELEVATION



SECTION A

SECTION B

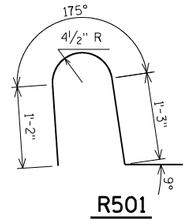


SECTION C

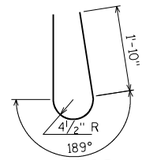
BILL OF BARS

FOR STRUCTURAL APPROACH SLAB PARAPETS

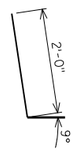
BAR MARK	COAT	W. APP. SLAB	E. APP. SLAB	LENGTH	BENT	BAR SERIES	LOCATION
R501	X	34	34	4-5	X		PARAPET VERT.
R502	X	34	34	5-0	X		PARAPET VERT.
R503	X	24	24	2-9	X		PARAPET VERT.
R504	X	34	34	4-4	X		PARAPET VERT.
R505	X	22	22	4-9	X		PARAPET VERT.
R506	X	12	12	4-10	X		PARAPET VERT.
R507	X	2		19'-3"	X		PARAPET HORIZ.
R508	X	10		19'-3"			PARAPET HORIZ.
R509	X		2	19'-10"	X		PARAPET HORIZ.
R510	X		10	19'-10"			PARAPET HORIZ.



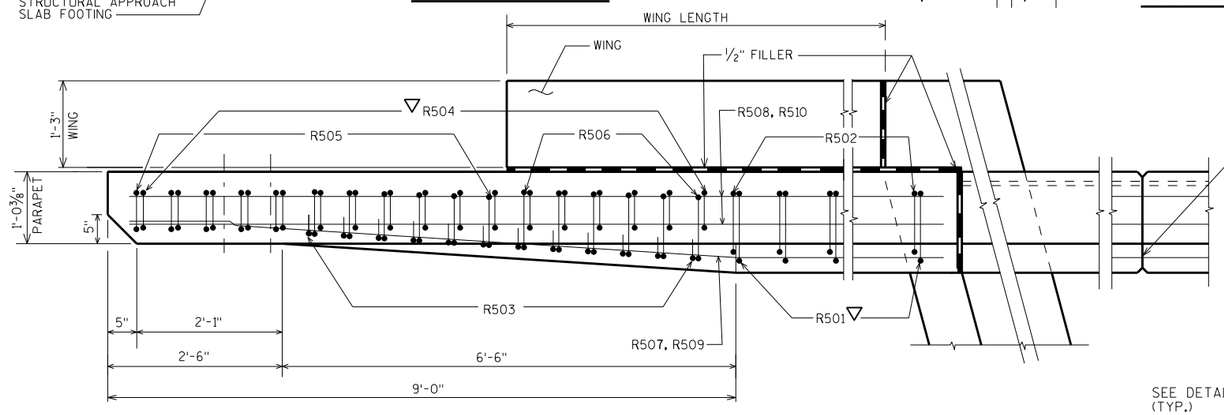
R501



R502



R503

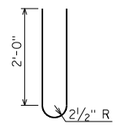


PLAN

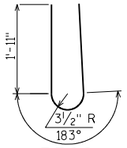
OPTIONAL CONSTRUCTION JOINTS IN THE PARAPETS MAY BE USED. RUN BAR REINF. THRU THE JOINT. LAP LONGIT. BARS A MIN. OF 1'-9". MIN. JOINT SPACING OF 80'-0". DEFINE CONST. JOINT WITH A ¾" - 'V' GROOVE.



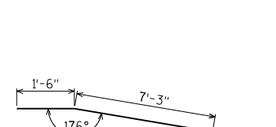
R504



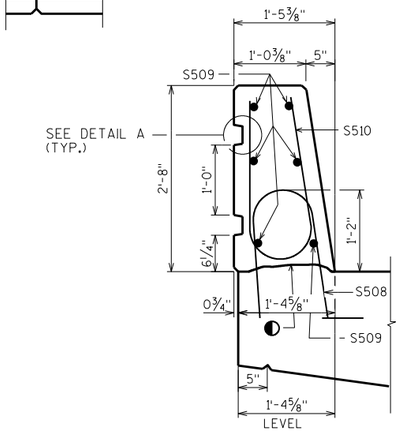
R505



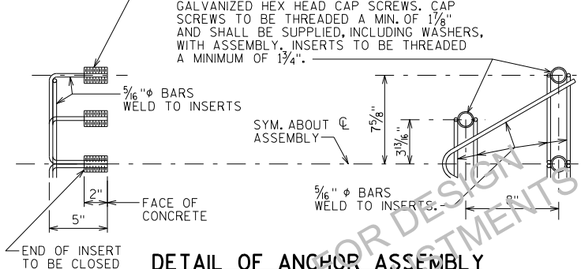
R506



R507, R509



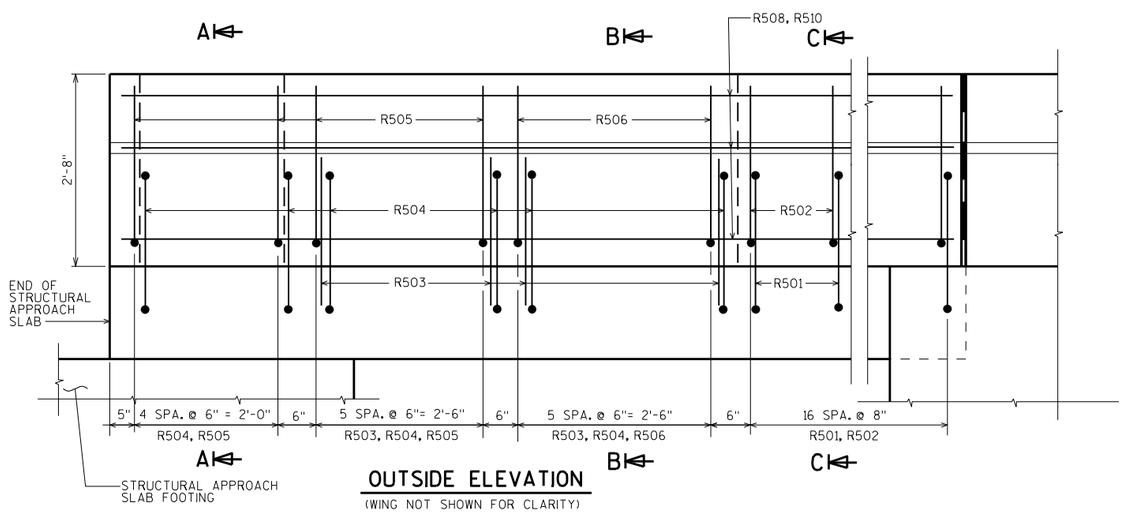
SECTION THRU PARAPET ON BRIDGE



DETAIL OF ANCHOR ASSEMBLY

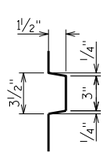
NOTE: HEX HEAD CAP SCREWS & WASHERS TO BE GALVANIZED IN ACCORDANCE WITH AASHTO M232 CLASS C.

ASSEMBLY SHALL BE BID ITEM "ANCHOR ASSEMBLIES FOR STEEL PLATE BEAM GUARD", EACH.



OUTSIDE ELEVATION

(WING NOT SHOWN FOR CLARITY)



DETAIL A

◆ SLOPE FOR DRAINAGE

◐ CONST. JOINT - STRIKE OFF AS SHOWN.

▽ R501 AND R504 BARS TO BE TIED TO STRUCTURAL APPROACH SLAB STEEL BEFORE STRUCTURAL APPROACH SLAB IS POURED.

APPROVED FOR DESIGN OF UTILITY ADJUSTMENTS OCTOBER 2020

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-44-291

DRAWN BY SEW | PLANS CK'D.

MODIFIED SINGLE SLOPE PARAPET 32SS WITH STRUCTURAL APPROACH SLAB

SHEET 20

PRE_161

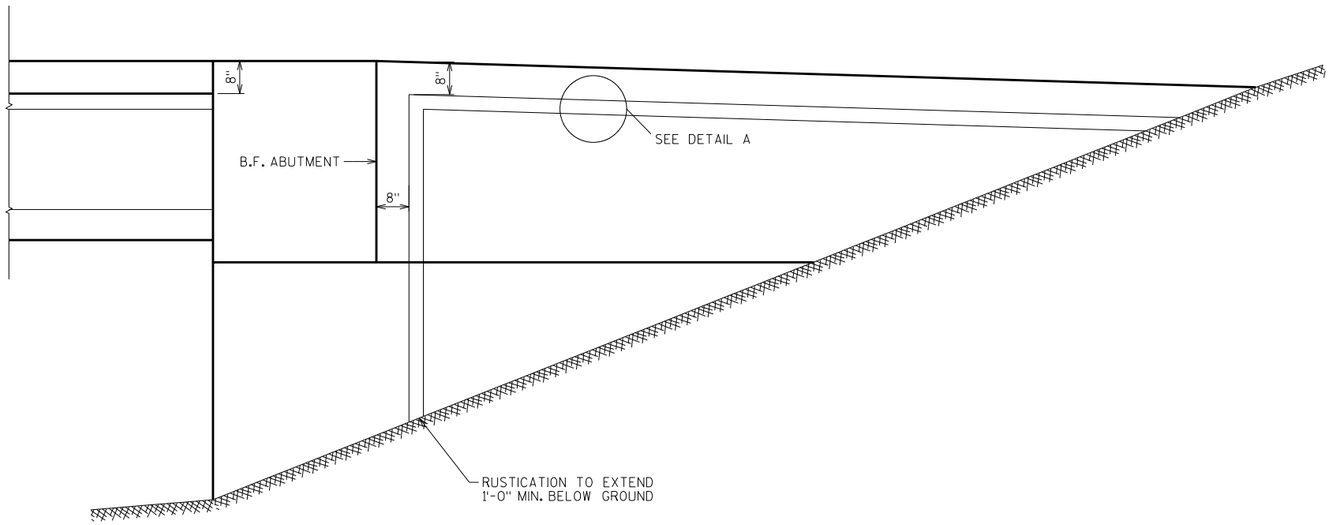
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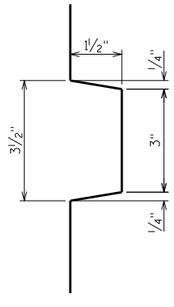
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STATE PROJECT NUMBER
1146-75-71

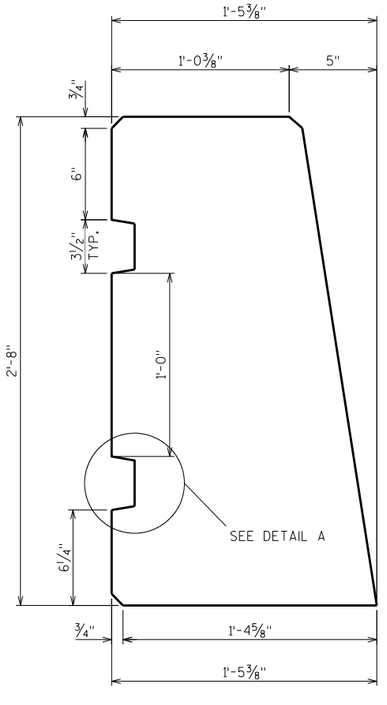
DOUBLE RUSTICATION LINES
MODIFIED 'SINGLE SLOPE PARAPET 32SS'
(AREA = 3.25 SF, WEIGHT = 488 LB/FT.)



WING WALL



DETAIL A



MODIFIED 32SS PARAPET

APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS
OCTOBER 2019

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-44-291

DRAWN BY	SEW	PLANS CK'D.

AESTHETIC DETAILS

SHEET 21

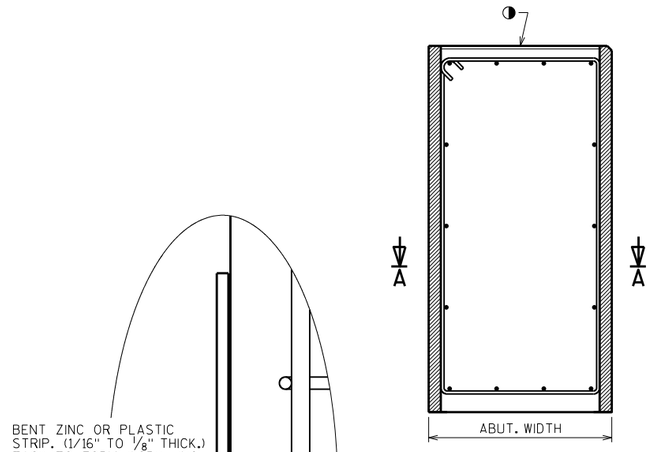
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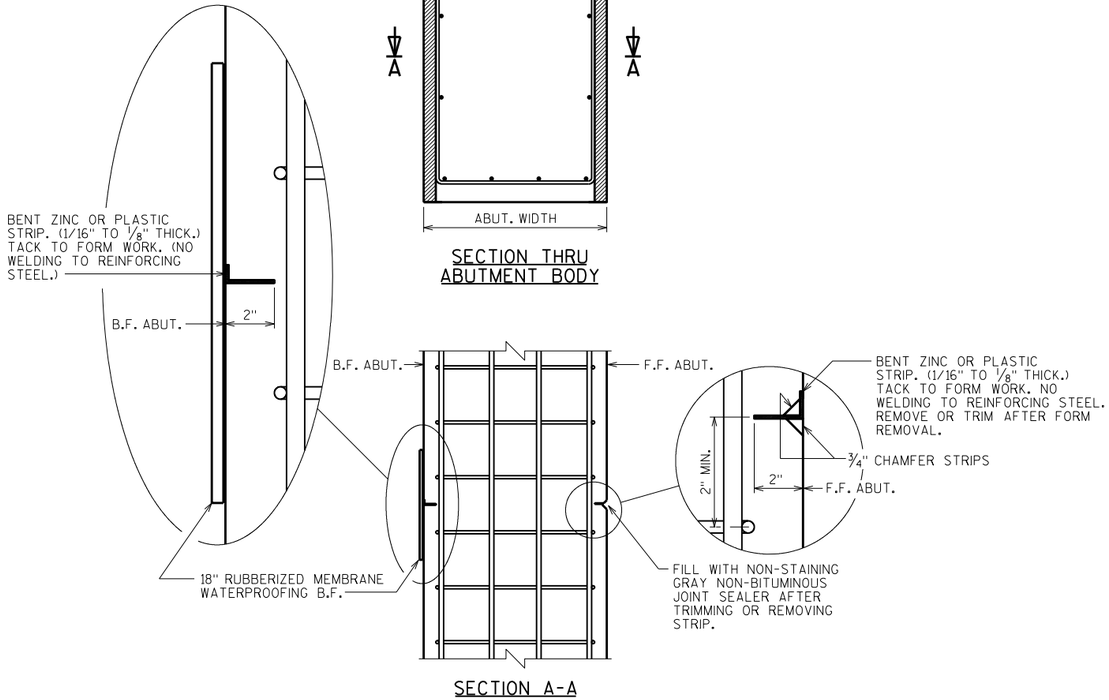
8

8

STATE PROJECT NUMBER
1146-75-71



SECTION THRU ABUTMENT BODY



SECTION A-A

ALTERNATE CONSTRUCTION JOINT AT ABUTMENT

NOTES

PARTIAL ZINC OR PLASTIC BULKHEAD MAY BE USED AS ALTERNATE CONSTRUCTION JOINT, WITH THE PERMISSION OF THE ENGINEER, AT THE CONTRACTOR'S EXPENSE.

VERTICAL CONSTRUCTION JOINT KEYWAY IS NOT REQUIRED WHEN USING ALTERNATE CONSTRUCTION JOINT.

CARE IS TO BE USED IN CASTING CONCRETE AROUND BULKHEAD TO PREVENT DISLOCATION OR MISALIGNMENT OF THE BULKHEAD.

SAW CUTTING JOINT IS NOT ALLOWED.

① USE A JOINT TOOL TO CONSTRUCT A CONTRACTION JOINT APPROXIMATELY 1/2" DEEP.

APPROVED FOR DESIGN OF UTILITY ADJUSTMENTS OCTOBER 2015

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-44-291

DRAWN BY	SEW	PLANS CK'D.

ALTERNATE CONSTRUCTION JOINT

SHEET 22

PRE_163

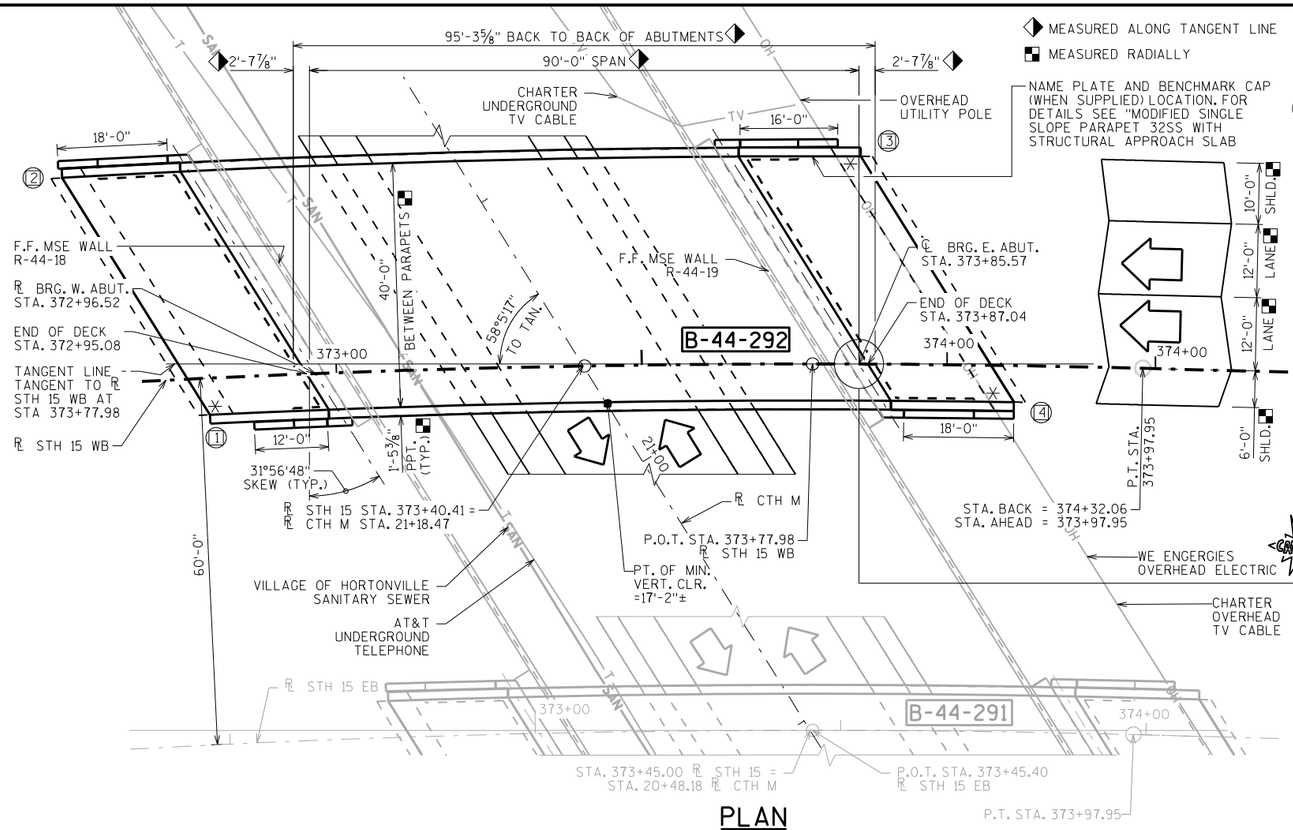
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8

STATE PROJECT NUMBER

1146-75-71



MEASURED ALONG TANGENT LINE

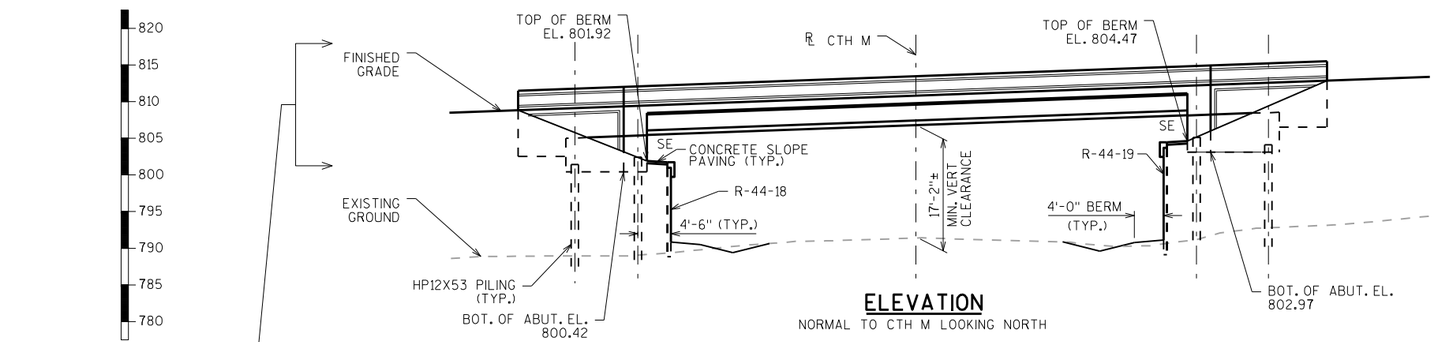
MEASURED RADIALLY

INDICATES WING NUMBER

✳ PROVIDE FOR THRIE BEAM GUARD RAIL ATTACHMENT AT UNUSED ANCHOR ASSEMBLIES CAULK HOLES SHUT WITH "100% SILICONE CAULK".

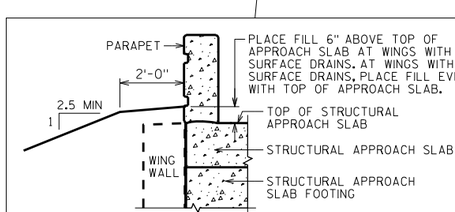
PLAN

SINGLE SPAN - 36W" PRESTRESSED GIRDERS

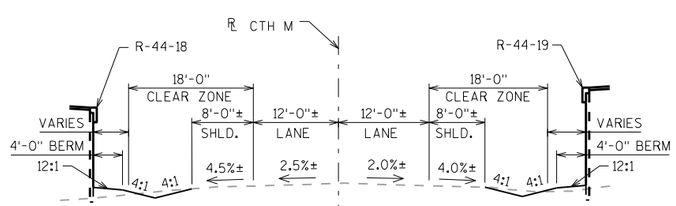


ELEVATION

NORMAL TO CTH M LOOKING NORTH



TYPICAL FILL SECTION AT END OF STRUCTURAL APPROACH SLABS



TYPICAL SECTION THRU CTH M

NORMAL TO CTH M LOOKING NORTH

DESIGN DATA

LIVE LOAD:

DESIGN LOADING; HL-93
INVENTORY RATING FACTOR: RF=1.06
OPERATING RATING FACTOR: RF=1.38
WISCONSIN STANDARD PERMIT VEHICLE (WIS.-SPV): 250 (KIPS)

STRUCTURE IS DESIGNED FOR A FUTURE WEARING SURFACE OF 20 POUNDS PER SQUARE FOOT.

MATERIAL PROPERTIES:

CONCRETE MASONRY SUPERSTRUCTURE — 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 = 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 HP 12X53 STEEL PILING DRIVEN TO A REQUIRED DRIVING RESISTANCE OF 220 TONS ** PER PILE AS DETERMINED BY THE MODIFIED GATES DYNAMIC FORMULA.
ESTIMATED 35'-0" LONG AT THE WEST ABUTMENT, PILE POINTS REQUIRED.
ESTIMATED 30'-0" LONG AT THE EAST ABUTMENT, PILE POINTS REQUIRED.

** 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.

TANGENT OFFSET DETAIL

LOCATION	DIM. "A" (ALONG ℄ SUB.)
WEST ABUT.	1'-10⅜"
EAST ABUT.	0'-0¼"

TRAFFIC VOLUME

STH 15
A.D.T. = 15,000 (2040)
R.D.S. = 60 M.P.H.

CTH M
A.D.T. = 3,200 (2040)
R.D.S. = 40 M.P.H.

CURVE DATA

STH 15: EB-12	STH 15: WB-12
P.I. = 368+34.14	P.I. = 368+51.67
Δ = 32° 34' 40"	Δ = 32° 34' 40"
D = 2° 48' 31"	D = 2° 43' 42"
T = 596.11	T = 613.64
L = 1159.92	L = 1194.04
R = 2040.00	R = 2100.00
S.E. = VARIES	S.E. = VARIES
P.C. = 362+38.03	P.C. = 362+38.03
P.T. = 373+97.95	P.T. = 373+97.95 (AHEAD) 374+32.06 (BACK)

LIST OF DRAWINGS

1. GENERAL PLAN
2. CROSS SECTION
3. QUANTITIES
4. SUBSURFACE EXPLORATION
5. WEST ABUTMENT
6. WEST ABUTMENT DETAILS
7. EAST ABUTMENT
8. EAST ABUTMENT DETAILS
9. 36W" PRESTRESSED GIRDER DETAILS 1
10. 36W" PRESTRESSED GIRDER DETAILS 2
11. STEEL DIAPHRAGM
12. SUPERSTRUCTURE CROSS SECTION
13. SUPERSTRUCTURE
14. SUPERSTRUCTURE BAR DETAILS
15. DECK LAYOUT
16. W. STRUCTURAL APPROACH SLAB
17. W. STRUCT. APP. SLAB DETAILS
18. E. STRUCTURAL APPROACH SLAB
19. E. STRUCT. APP. SLAB DETAILS
20. MODIFIED SINGLE SLOPE PARAPET 32SS WITH STRUCTURAL APPROACH SLAB
21. AESTHETIC DETAILS
22. ALTERNATE CONSTRUCTION JOINT

STRUCTURE DESIGN CONTACTS:

STACIE WEIS (608) 261-6209
AARON BONK (608) 261-0261

APPROVED FOR DESIGN OF UTILITY ADJUSTMENTS OCTOBER 2019

NO.	DATE	REVISION	BY

BUREAU OF STRUCTURES

ACCEPTED _____ CHIEF STRUCTURES DESIGN ENGINEER _____ DATE

STRUCTURE B-44-292

STH 15 WB OVER CTH M

COUNTY	TOWN/~~CITY~~/VILLAGE
OUTAGAMIE	HORTONIA/HORTONVILLE

DESIGN SPEC. AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS

DESIGNED BY	DESIGNED CK'D.	DRAWN BY	PLANS CK'D.
SEW	MSC	SEW	

GENERAL PLAN

SHEET 1 OF 22

PRE_164

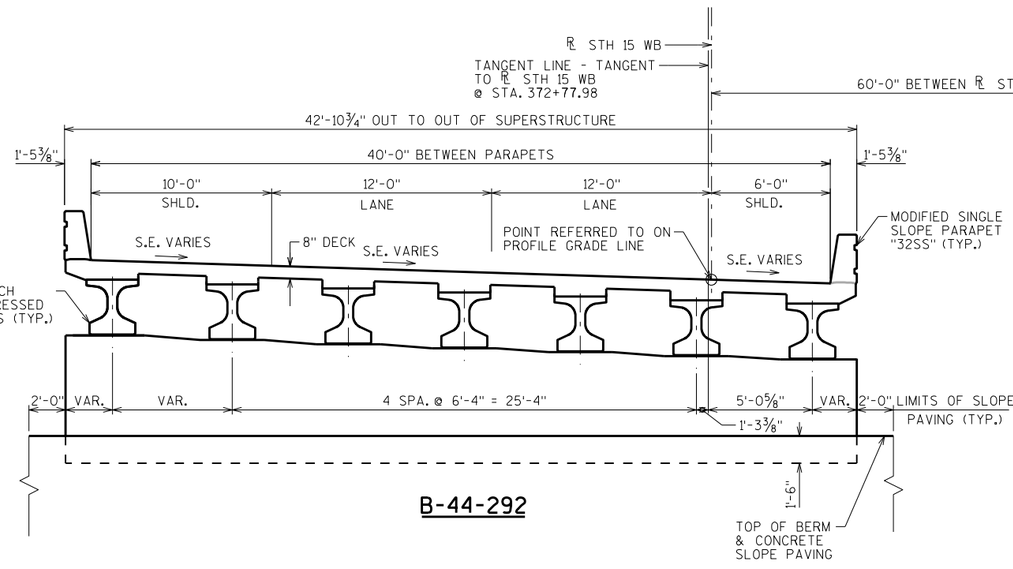
I.D. 1146-75-00A DATE: DEC. 2016

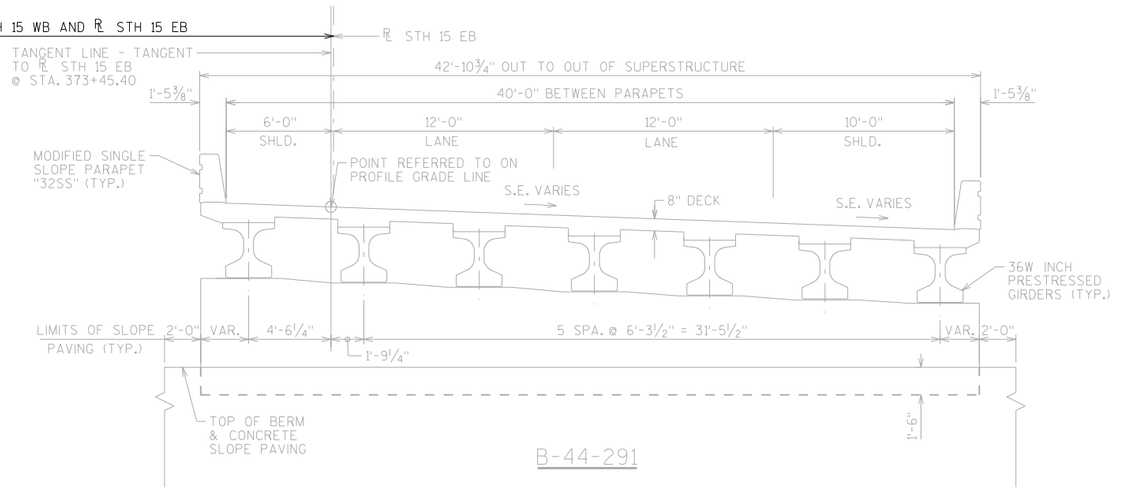
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STATE PROJECT NUMBER
1146-75-71





CROSS SECTION THRU ROADWAY LOOKING EAST

(ALL HORIZONTAL DIMENSIONS ARE MEASURED RADIALLY - NORMAL TO THE CURVE ℄ STH 15 WB)

8

8

APPROVED FOR DESIGN OF UTILITY ADJUSTMENTS OCTOBER 2019

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-44-292

DRAWN BY	SEW	PLANS CK'D.

CROSS SECTION

SHEET 2

PRE_165

SCALE = 4.00

STATE PROJECT NUMBER

1146-75-71

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 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 QUANTITY FOR BACKFILL STRUCTURE IS CALCULATED BASED ON THE DETAIL SHOWN IN THE PLANS.

PROTECTIVE SURFACE TREATMENT TO BE APPLIED TO THE ENTIRE TOP OF DECK SURFACE AND THE TOP OF STRUCTURAL APPROACH SLABS.

PIGMENTED SURFACE SEALER TO BE APPLIED TO THE FRONT FACE AND THE TOP OF THE PARAPETS.

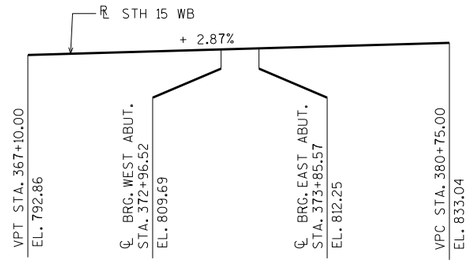
THE SLOPE OF THE FILL IN FRONT OF THE ABUTMENTS SHALL BE COVERED WITH SLOPE PAVING MATERIAL TO THE EXTENT SHOWN ON SHEET 1 AND IN THE ABUTMENT DETAILS.

THE CONTRACTOR MUST COORDINATE THE CONSTRUCTION OF B-44-292 WITH RETAINING WALLS R-44-18 AND R-44-19.

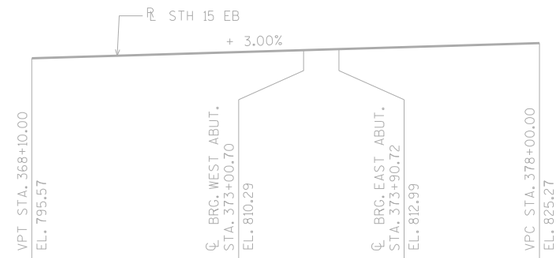
■ PIPE UNDERDRAIN WRAPPED (6-INCH). SLOPE 0.5% MIN. TO SUITABLE DRAINAGE. ATTACH RODENT SHIELD AT ENDS OF PIPE UNDERDRAIN.

TOTAL ESTIMATED QUANTITIES

BID ITEM NUMBER	BID ITEMS	UNIT	SUPER.	WEST APP. SLAB	WEST ABUT.	EAST ABUT.	EAST APP. SLAB	TOTALS
206.1000	EXCAVATION FOR STRUCTURES BRIDGES B-44-292	LS	———	———	———	———	———	1
210.1500	BACKFILL STRUCTURE TYPE A	TON						
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-44-292	EACH		———	———	———	———	
516.0500	RUBBERIZED MEMBRANE WATERPROOFING	SY	———	———			———	
550.0500	PILE POINTS	EACH	———	———			———	
550.1120	PILING STEEL HP 12-INCH X 53 LB	LF	———	———			———	
604.0400	SLOPE PAVING CONCRETE	SY	———	———			———	
612.0406	PIPE UNDERDRAIN WRAPPED 6-INCH	LF	———	———			———	
614.0150	ANCHOR ASSEMBLIES FOR STEEL PLATE BEAM GUARD	EACH	———		———	———		
			———	———	———	———	———	
	NON-BID ITEMS		———	———	———	———	———	
	FILLER	SIZE	———	———	———	———	———	½", ¾" & 1½"



PROFILE GRADE LINE STH 15 WB



PROFILE GRADE LINE STH 15 EB

B-44-292 SUPER ELEVATION TRANSITIONS

STATION	DESCRIPTION	LT SHLD.	LT LANE	RT LANE	RT SHLD.
363+08.6875 ◭	BEGIN FULL SUPER	5.30%	5.30%	5.30%	5.30%
373+61.4050 ◭	END FULL SUPER	5.30%	5.30%	5.30%	5.30%
374+13.4050 ◭	LOW SHLD MATCH	4.00%	4.00%	4.00%	4.00%
374+59.2897 ◪	REVERSE CROWN	2.00%	2.00%	2.00%	4.00%

◭ STA. BACK, ◪ STA. AHEAD

** PT STA. EQN: STA. BACK = 374+32.06; STA. AHEAD = 373+97.95

NOTE: SUPER ELEVATION INFORMATION PROVIDED FOR INFORMATIONAL PURPOSES ONLY.

B-44-291 SUPER ELEVATION TRANSITIONS

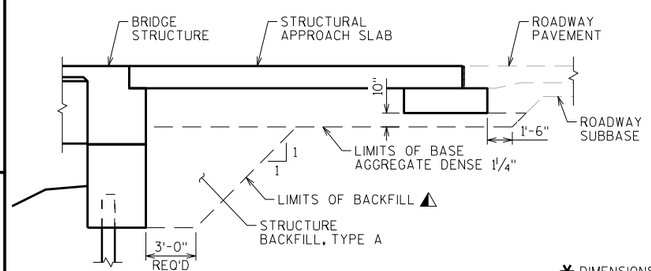
STATION	DESCRIPTION	LT SHLD.	LT LANE	RT LANE	RT SHLD.
363+10.0207	BEGIN FULL SUPER	5.40%	5.40%	5.40%	5.40%
373+25.9565	END FULL SUPER	5.40%	5.40%	5.40%	5.40%
373+81.9565	LOW SHLD MATCH	4.00%	4.00%	4.00%	4.00%
374+61.9565	REVERSE CROWN	2.00%	2.00%	2.00%	4.00%

NOTE: SUPER ELEVATION INFORMATION PROVIDED FOR INFORMATIONAL PURPOSES ONLY.

CTH M EXISTING ELEVATIONS

STATION	℄ ELEVATION
20+00.00	791.18
20+25.00	790.78
20+50.00	790.39
20+75.00	790.01
21+00.00	789.67
21+25.00	789.36
21+50.00	789.07
21+75.00	788.75
22+00.00	788.42

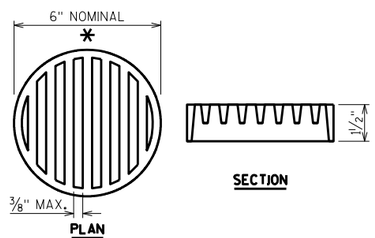
NOTE: EXISTING ELEVATIONS PROVIDED FOR INFORMATIONAL PURPOSES ONLY.



TYPICAL SECTION THRU ABUTMENT

(A1 ABUTMENT WITH STRUCTURAL APPROACH)

◭ BACKFILL PAY LIMITS. BACKFILL BEYOND BACKFILL PAY LIMITS SHALL BE INCIDENTAL TO EXCAVATION FOR STRUCTURES. LIMITS OF EXCAVATION SHALL BE DETERMINED BY THE CONTRACTOR.

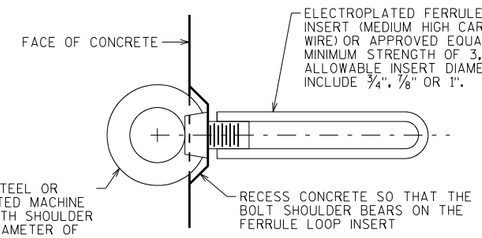


RODENT SHIELD DETAIL

* DIMENSIONS ARE APPROXIMATE. THE GRATE IS SIZED TO FIT INTO A PIPE COUPLING. ORIENT SO SLOTS ARE VERTICAL.

THE RODENT SHIELD, PIPE COUPLING AND SCREWS SHALL BE CONSIDERED INCIDENTAL TO THE BID ITEM "PIPE UNDERDRAIN WRAPPED 6-INCH".

THE RODENT SHIELD SHALL BE A PVC GRATE SIMILAR TO THIS DETAIL. THE GRATE IS COMMERCIALLY AVAILABLE AS A FLOOR STRAINER. A PIPE COUPLING IS REQUIRED FOR THE ATTACHEMENT OF THIS SHIELD TO THE EXPOSED END OF THE PIPE UNDERDRAIN. THE SHIELD SHALL BE FASTENED TO THE PIPE COUPLING WITH TWO OR MORE NO. 10 X 1-INCH STAINLESS STEEL SHEET METAL SCREWS.



EYE BOLT DETAIL

COST INCIDENTAL TO BID ITEM "CONCRETE MASONRY BRIDGES".

APPROVED FOR DESIGN & UTILITY ADJUSTMENTS OCTOBER 2019

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-44-292

DRAWN BY SEW | PLANS CK'D.

QUANTITIES

SHEET 3

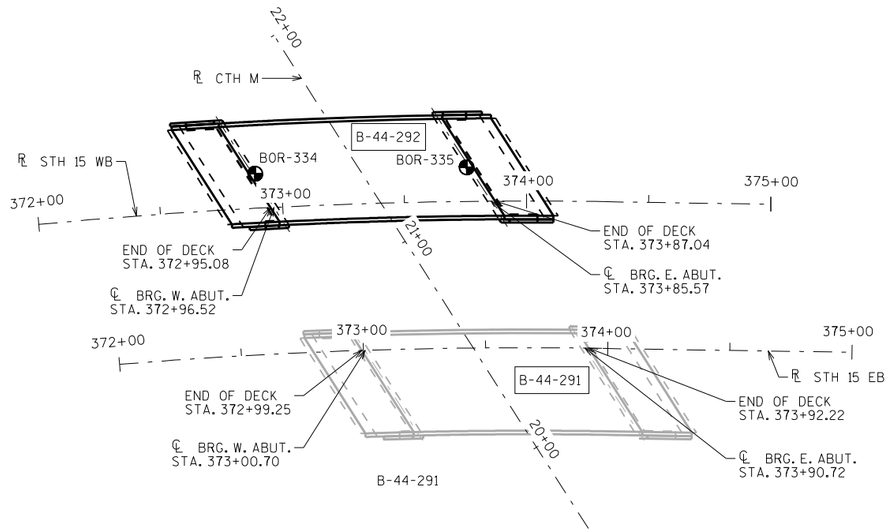
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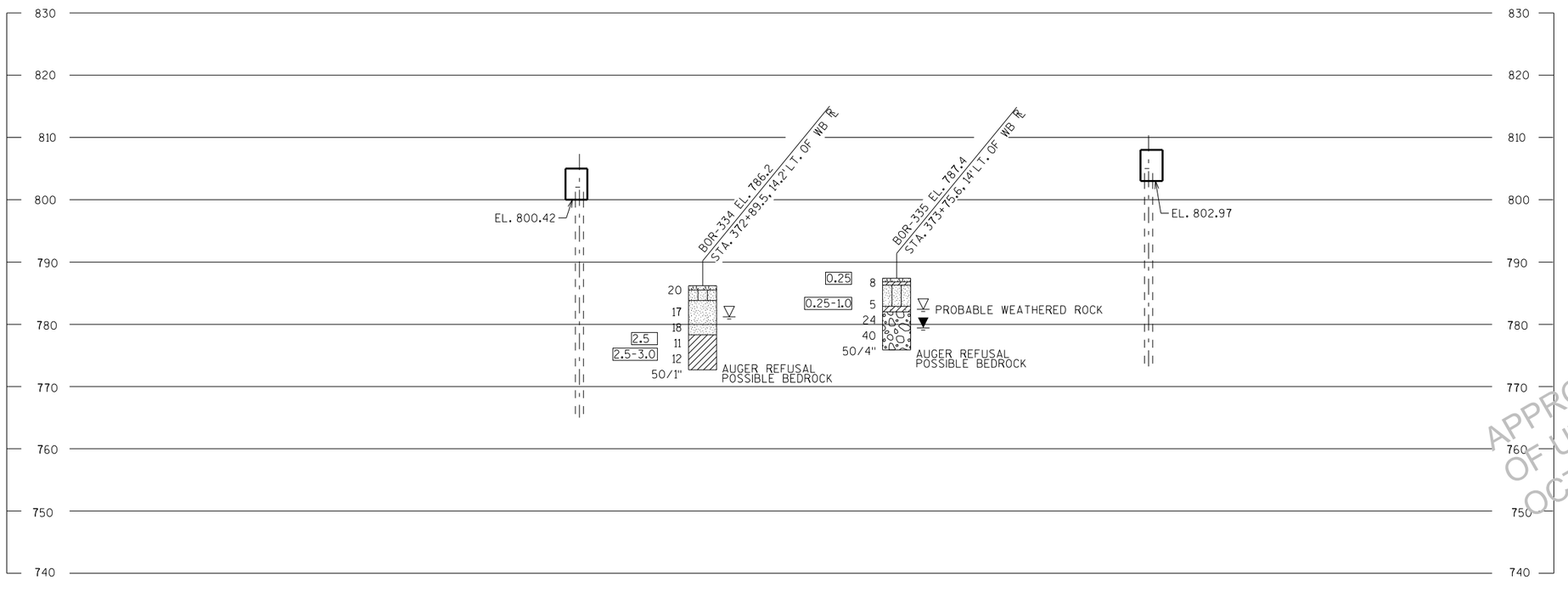
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BORING #	DATE COMPLETED	NORTHING (Y)	EASTING (X)
334	2/27/2014	592857	767494
335	2/26/2014	592812	767568
BORINGS COMPLETED BY: GESTRA			
REPORT COMPLETED BY: CH2M HILL			
ALL COORDINATES REFERENCED TO WCCS NAD 83(91) OUTAGAMIE COUNTY			





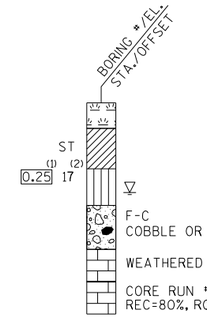
STATE PROJECT NUMBER

1146-75-71

MATERIAL SYMBOLS

ASPHALT	TOPSOIL	PEAT
CONCRETE	FILL	GRAVEL
SAND	CLAY	SILT
BOULDERS OR COBBLES	LIMESTONE	BEDROCK (UNKNOWN)
SHALE	SANDSTONE	IGNEOUS/ META

LEGEND OF BORING



(1) UNCONFINED STRENGTH, AS DETERMINED BY A POCKET PENETROMETER (TSF)

(2) UNLESS OTHERWISE SPECIFIED THE SPT 'N' VALUE IS BASED ON AASHTO T-206, STANDARD PENETRATION TEST. THE SPT 'N' VALUE PRESENTED HAS NOT BEEN CORRECTED FOR OVERBURDEN PRESSURE OR HAMMER EFFICIENCY.

GROUND WATER ELEVATION

- AT TIME OF DRILLING
- END OF DRILLING
- AFTER DRILLING

ABBREVIATIONS

F-FINE M-MEDIUM C-COARSE ST-SHELBY TUBE

SUBSURFACE EXPLORATION FOR FOUNDATION DESIGN AND BIDDERS INFORMATION

BORINGS WERE COMPLETED AT POINTS APPROXIMATELY AS INDICATED ON THIS DRAWING TO OBTAIN INFORMATION CONCERNING THE CHARACTER OF SUBSURFACE MATERIALS FOUND AT THE SITE. BECAUSE THE INVESTIGATED DEPTHS ARE LIMITED AND THE AREA OF THE BORINGS IS VERY SMALL IN RELATION TO THE ENTIRE SITE, THE WISCONSIN DEPARTMENT OF TRANSPORTATION DOES NOT WARRANT SIMILAR SUBSURFACE CONDITIONS BELOW, BETWEEN, OR BEYOND THESE BORINGS. VARIATIONS IN SOIL CONDITIONS SHOULD BE EXPECTED AND FLUCTUATIONS IN GROUNDWATER LEVELS MAY OCCUR.

APPROVED FOR UTILITY ACCOMMODATION
OCTOBER 2019

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-44-292

DRAWN BY TLP | PLANS CK'D.

SUBSURFACE EXPLORATION

SHEET 4

PRE_167

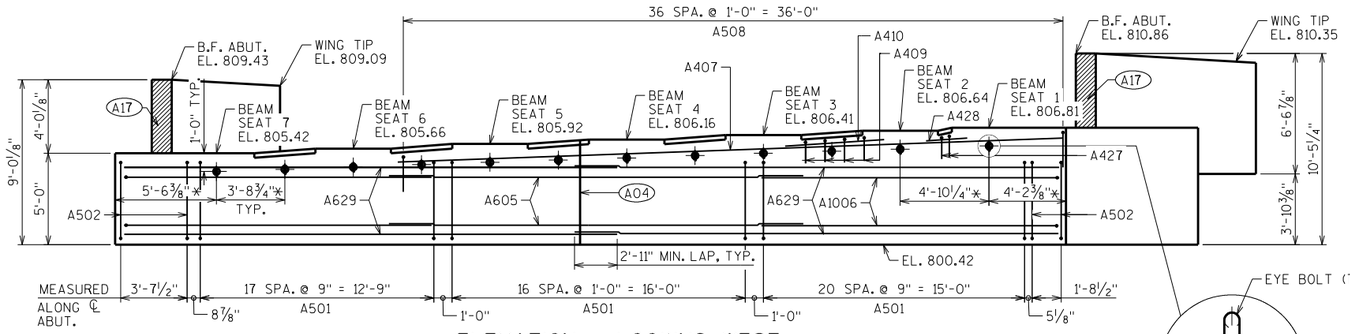
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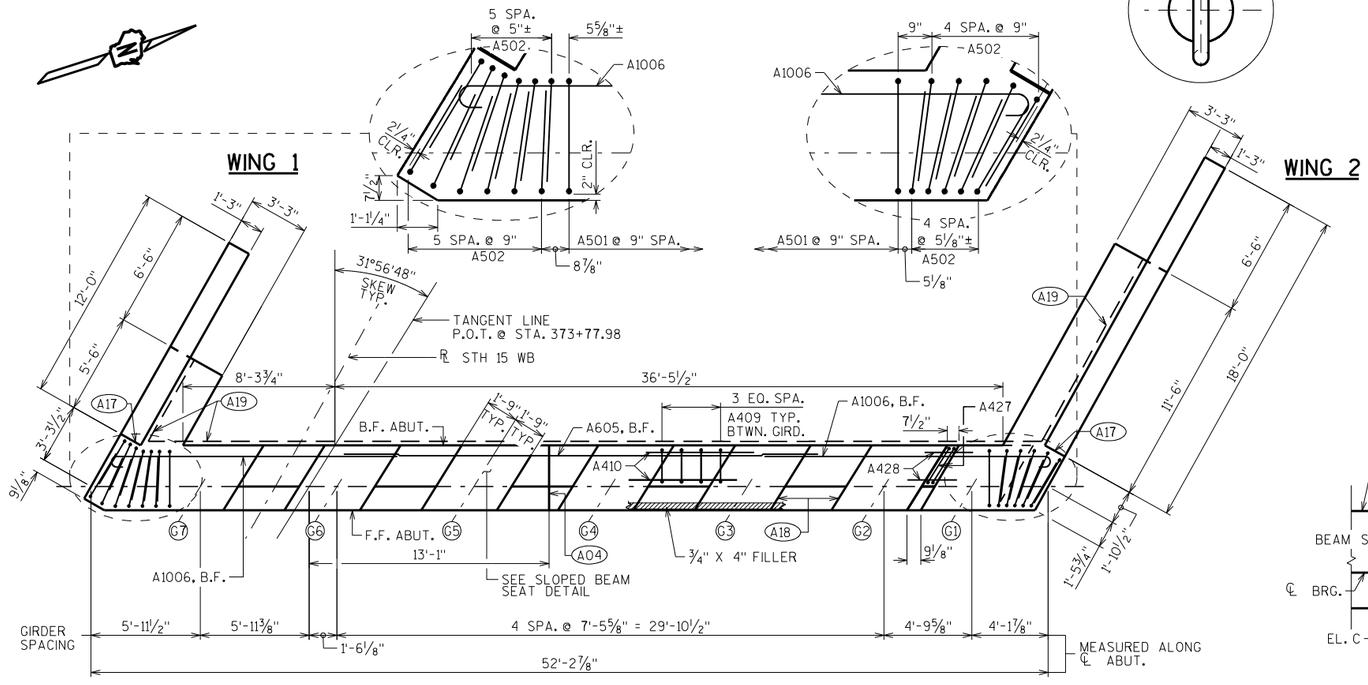
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STATE PROJECT NUMBER

1146-75-71

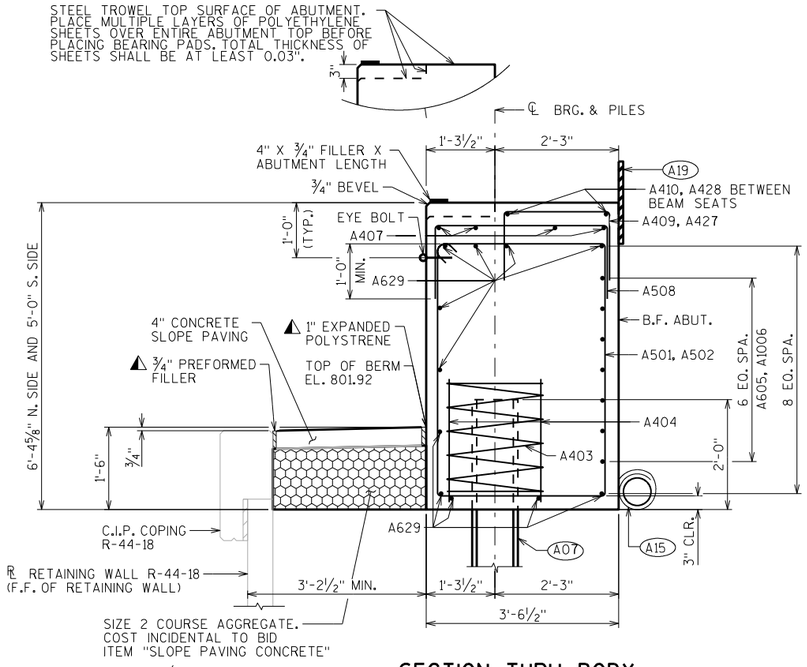


ELEVATION - LOOKING WEST

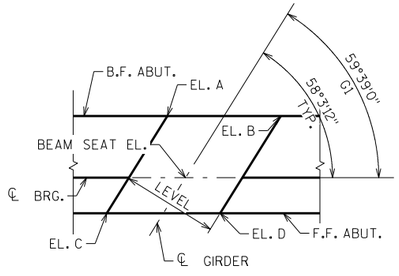


* DIMENSION MEASURED ALONG F.F. OF ABUT.

NOTE: FOR EYE BOLT DETAIL SEE "QUANTITIES" SHEET.



SECTION THRU BODY



SLOPED BEAM SEAT

BEAM SEAT ELEVATIONS

LOCATION	EL. A	EL. B	EL. C	EL. D
GIRDER 1	-0.04	-0.10	0.07	0.01
GIRDER 2	-0.04	-0.10	0.07	0.01
GIRDER 3	-0.04	-0.10	0.07	0.01
GIRDER 4	-0.04	-0.10	0.07	0.01
GIRDER 5	-0.04	-0.10	0.07	0.01
GIRDER 6	-0.04	-0.10	0.07	0.01
GIRDER 7	-0.04	-0.10	0.07	0.01

(A04) VERT. CONST. JOINT: KEYWAY FORMED BY A BEVELED 2 x 8. 3/4" "V" GROOVE @ THE FRONT FACE AND 18" RMW @ BACKFACE. FOR OPTIONAL DETAILS SEE "ALTERNATE CONSTRUCTION JOINT" SHEET.

(A07) SUPPORT ABUTMENT ON HP 12 X 53 STEEL PILING, ESTIMATED 35'-0" LONG WITH A REQUIRED DRIVING RESISTANCE OF 220 TONS PER PILE. PILE POINTS REQUIRED.

(A15) PIPE UNDERDRAIN WRAPPED (6-INCH). SLOPE 0.5% MIN. TO SUITABLE DRAINAGE. RODENT SHIELD REQUIRED.

(A17) 1/2" FILLER (INCLUDED IN WING LENGTH): SEAL ALL EXPOSED ORIZ. & VERT. SURFACES OF 1/2" FILLER WITH NON STAINING GRAY NON-BITUMINOUS JOINT SEALER. (1" DEEP AND HOLD 1/8" BELOW SURFACE OF CONCRETE). EXTEND SEALER 3" BELOW GUTTER LINE AT INSIDE FACE.

(A18) 3/4" CORK FILLER UP VERT. BEAM SEAT FACES THAT RUN PARALLEL WITH GIRDER.

(A19) 18" (RMW) RUBBERIZED MEMBRANE WATERPROOFING SEAL ALL HORIZ. & VERT. JOINTS AT BACKFACE.

▲ SEAL ALL EXPOSED HORIZONTAL AND VERTICAL SURFACES OF FILLER AND EXPANDED POLYSTYRENE WITH NON-STAINING, GRAY NON-BITUMINOUS JOINT SEALER, (1" DEEP AND HOLD 1/8" BELOW SURFACE OF CONCRETE).

APPROVED FOR DESIGN ADJUSTMENTS OF UTILITY FACILITIES OCTOBER 2019

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-44-292

DRAWN BY SEW | PLANS CK'D.

WEST ABUTMENT

SHEET 5

PRE_168

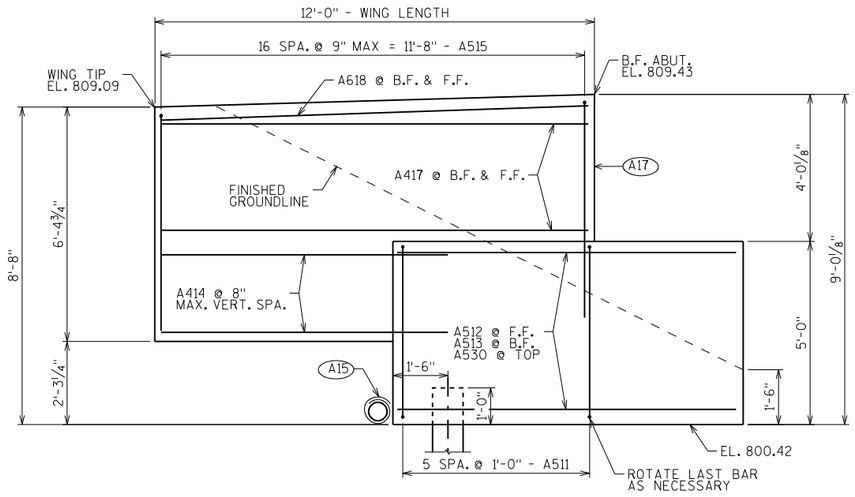
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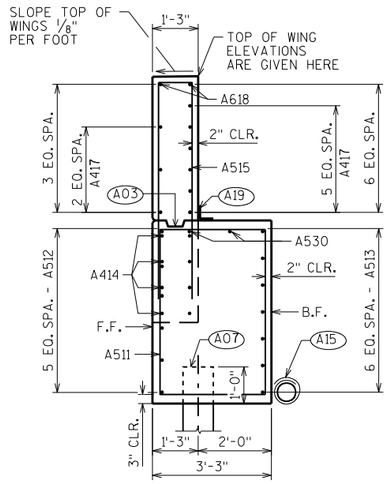
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STATE PROJECT NUMBER

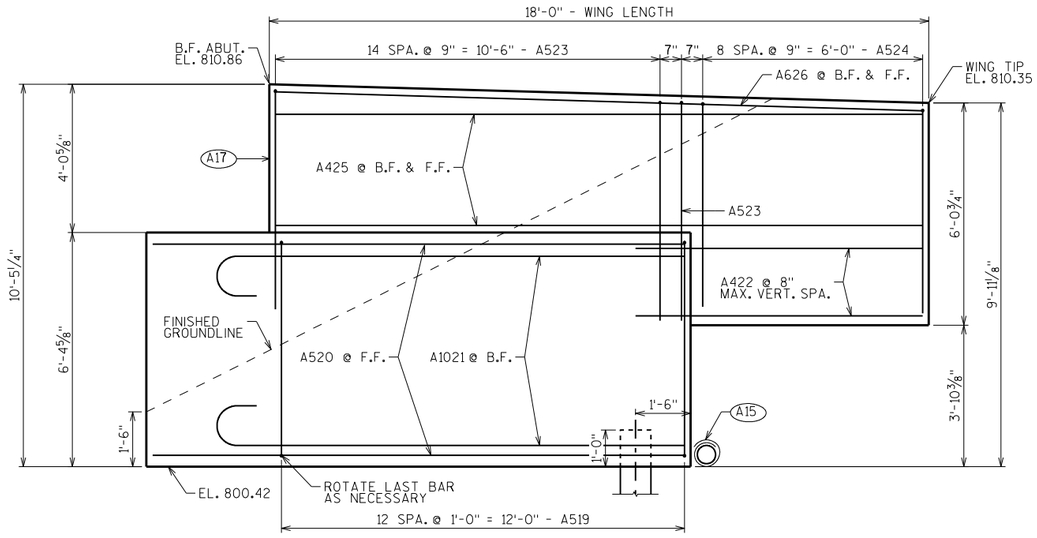
1146-75-71



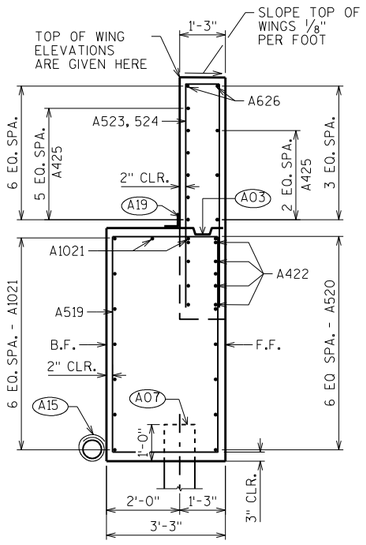
WING 1 ELEVATION



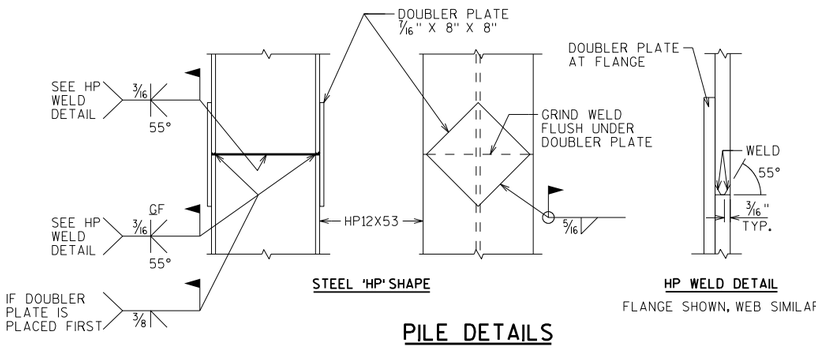
SECTION THRU WING 1



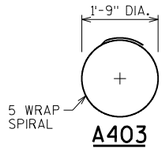
WING 2 ELEVATION



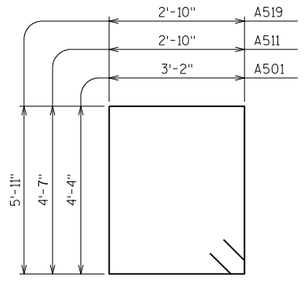
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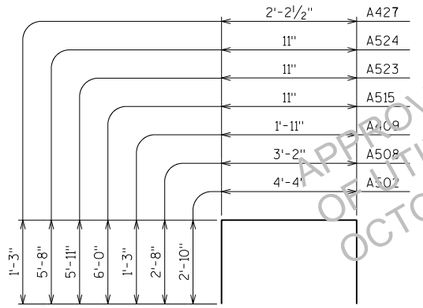
PILE DETAILS



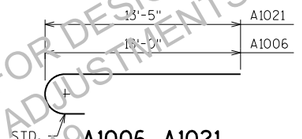
A403



A501, A511, A519



A502, A508, A409, A515 A523, A524, A427



A1006, A1021

BILL OF BARS

NOTE: THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE

BAR MARK	COAT	NO. REQ'D.	LENGTH	BENT	BAR SERIES	LOCATION
A501		56	15'-8"	X		BODY - VERTICAL - STIRRUPS
A502		22	9'-9"	X		BODY - VERTICAL - ENDS
A403		8	28'-0"	X		BODY - 1 PER BODY PILE
A404		16	2'-3"			BODY - 2 PER BODY PILE - VERT
A605		7	21'-10"			BODY - HORIZONTAL - B.F.
A1006		14	19'-5"	X		BODY - HORIZONTAL - B.F. - HOOK
A407		4	36'-4"			BODY - HORZ - NORTH END ONLY
A508		37	8'-3"	X		BODY - VERT - NORTH END ONLY
A409		20	4'-3"	X		BODY - VERT - BWTN BEAM SEATS 2-7
A410		10	5'-6"			BODY - HORZ - BWTN BEAM SEATS 2-7
A511	X	6	15'-6"	X		WING 1 - VERTICAL - STIRRUPS
A512	X	6	9'-0"			WING 1 - HORIZONTAL - F.F.
A513	X	7	6'-1"			WING 1 - HORIZONTAL - B.F.
A414	X	8	7'-9"			WING 1 - HORIZONTAL
A515	X	17	12'-8"	X		WING 1 - VERTICAL
A516	X					NOT USED
A417	X	9	11'-8"			WING 1 - HORZ - B.F. & F.F.
A618	X	2	11'-8"			WING 1 - HORIZONTAL
A519	X	13	18'-2"	X		WING 2 - VERTICAL - STIRRUPS
A520	X	7	14'-5"			WING 2 - HORIZONTAL - F.F.
A1021	X	9	14'-10"	X		WING 2 - HORIZONTAL - B.F. - HOOK
A422	X	8	7'-9"			WING 2 - HORIZONTAL
A523	X	16	12'-6"	X		WING 2 - VERTICAL
A524	X	9	12'-0"	X		WING 2 - VERTICAL
A425	X	9	17'-8"			WING 2 - HORZ - B.F. & F.F.
A626	X	2	17'-8"			WING 2 - HORIZONTAL
A427		2	4'-7"	X		BODY - B/W BEAM SEATS 1 & 2
A428		2	2'-10"			BODY - B/W BEAM SEATS 1 & 2
A629		22	27'-6"			BODY - HORIZONTAL
A530	X	2	7'-4"			WING 1 - HORIZONTAL

(A03) OPTIONAL CONST. JOINT: KEYWAY FORMED BY BEVELED 2 X 6. (18" RMW @ B.F. & ¾" "V" GROOVE @ F.F. IF JOINT IS USED.)

(A07) SUPPORT ABUTMENT ON HP 12 x 53 STEEL PILING, ESTIMATED 35'-0" LONG WITH A REQUIRED DRIVING RESISTANCE OF 220 TONS PER PILE.

(A15) PIPE UNDERDRAIN WRAPPED (6-INCH). SLOPE 0.5% MIN. TO SUITABLE DRAINAGE. RODENT SHIELD REQUIRED.

(A17) 1/2" FILLER (INCLUDED IN WING LENGTH): SEAL ALL EXPOSED HORIZ. & VERT. SURFACES OF 1/2" FILLER WITH NON-STAINING GRAY NON-BITUMINOUS JOINT SEALER. (1" DEEP AND HOLD 1/8" BELOW SURFACE OF CONCRETE). EXTEND SEALER 3" BELOW GUTTER LINE AT INSIDE FACE.

(A19) 18" (RMW) RUBBERIZED MEMBRANE WATERPROOFING SEAL ALL HORIZ. & VERT. JOINTS AT BACKFACE.

APPROVED FOR DESIGN OF UTILITY ADJUSTMENTS OCTOBER 2019

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-44-292

DRAWN BY	CK'D.
SEW	PLANS

WEST ABUTMENT DETAILS

SHEET 6

PRE_169

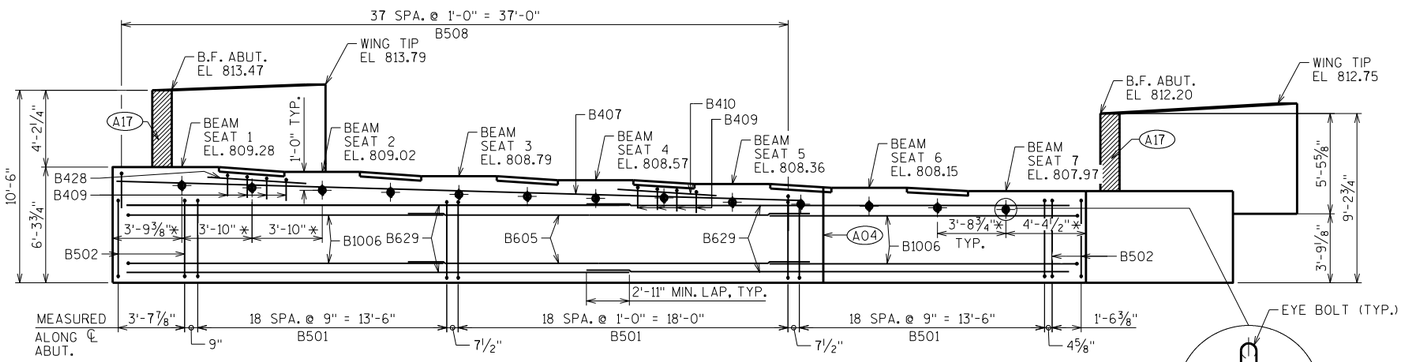
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STATE PROJECT NUMBER

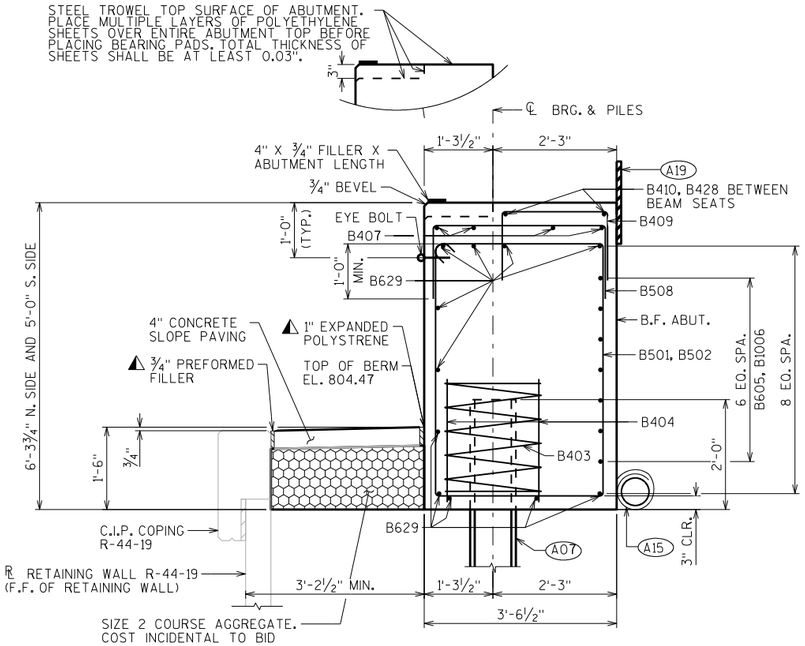
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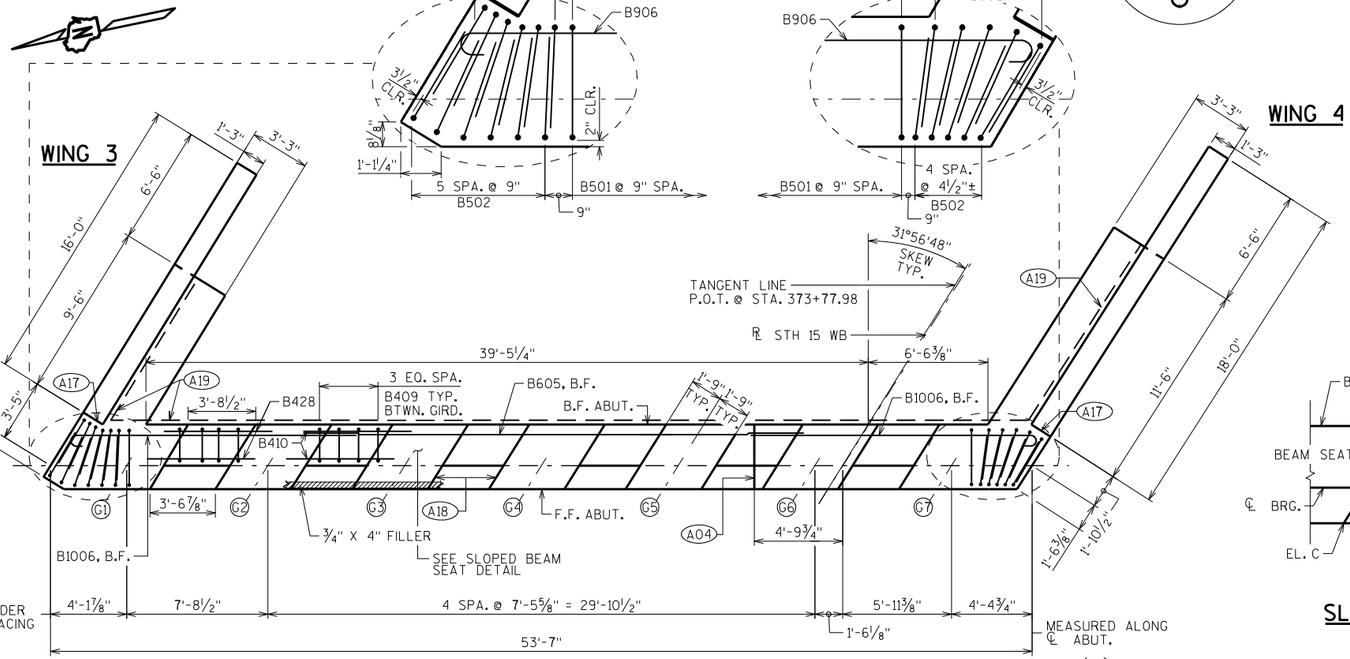
ELEVATION - LOOKING EAST

* DIMENSION MEASURED ALONG F.F. OF ABUT.

NOTE: FOR EYE BOLT DETAIL SEE "QUANTITIES" SHEET.

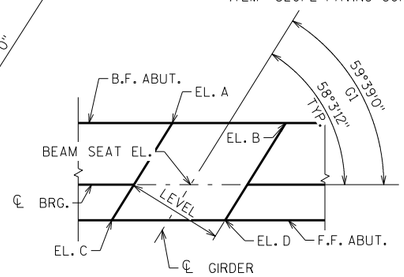


SECTION THRU BODY



BEAM SEAT ELEVATIONS

LOCATION	EL. A	EL. B	EL. C	EL. D
GIRDER 1	0.04	0.10	-0.07	-0.01
GIRDER 2	0.04	0.10	-0.07	-0.01
GIRDER 3	0.04	0.10	-0.07	-0.01
GIRDER 4	0.04	0.10	-0.07	-0.01
GIRDER 5	0.04	0.10	-0.07	-0.01
GIRDER 6	0.04	0.10	-0.07	-0.01
GIRDER 7	0.04	0.10	-0.07	-0.01



SLOPED BEAM SEAT

(A04) VERT. CONST. JOINT: KEYWAY FORMED BY A BEVELED 2 x 8. 3/4" "V" GROOVE @ THE FRONT FACE AND 18" RMW @ BACKFACE. FOR OPTIONAL DETAILS SEE "ALTERNATE CONSTRUCTION JOINT" SHEET.

(A07) SUPPORT ABUTMENT ON HP 12 X 53 STEEL PILING, ESTIMATED 30'-0" LONG WITH A REQUIRED DRIVING RESISTANCE OF 220 TONS PER PILE. PILE POINTS REQUIRED.

(A15) PIPE UNDERDRAIN WRAPPED (6-INCH). SLOPE 0.5% MIN. TO SUITABLE DRAINAGE. RODENT SHIELD REQUIRED.

(A17) 1/2" FILLER (INCLUDED IN WING LENGTH); SEAL ALL EXPOSED ORIZ. & VERT. SURFACES OF 1/2" FILLER WITH NON STAINING GRAY NON-BITUMINOUS JOINT SEALER. (1" DEEP AND HOLD 1/8" BELOW SURFACE OF CONCRETE). EXTEND SEALER 3" BELOW GUTTER LINE AT INSIDE FACE.

(A18) 3/4" CORK FILLER UP VERT. BEAM SEAT FACES THAT RUN PARALLEL WITH GIRDER.

(A19) 18" (RMW) RUBBERIZED MEMBRANE WATERPROOFING SEAL ALL HORIZ. & VERT. JOINTS AT BACKFACE.

▲ SEAL ALL EXPOSED HORIZONTAL AND VERTICAL SURFACES OF FILLER AND EXPANDED POLYSTYRENE WITH NON-STAINING, GRAY NON-BITUMINOUS JOINT SEALER. (1" DEEP AND HOLD 1/8" BELOW SURFACE OF CONCRETE).

APPROVED FOR DESIGN ADJUSTMENTS OF UTILITY ITEMS OCTOBER 2019

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-44-292

DRAWN BY SEW | PLANS CK'D.

EAST ABUTMENT

SHEET 7

PRE_170

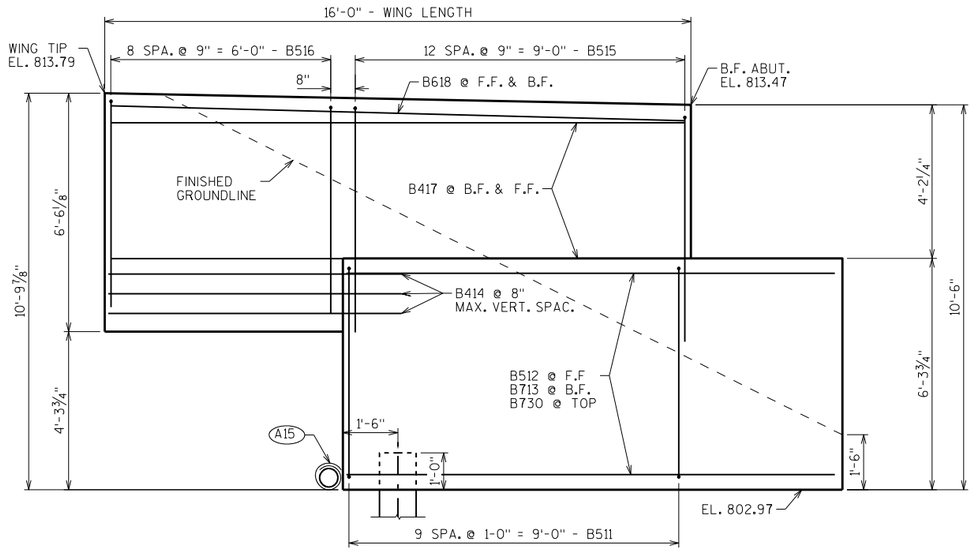
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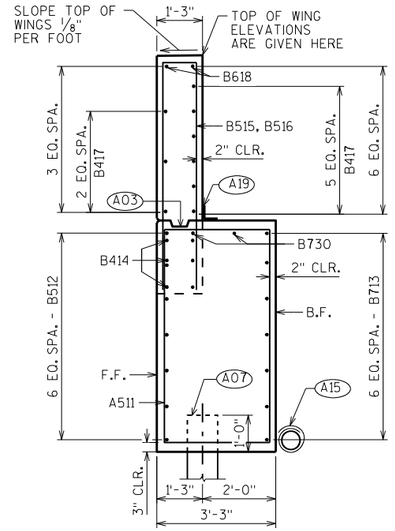
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STATE PROJECT NUMBER

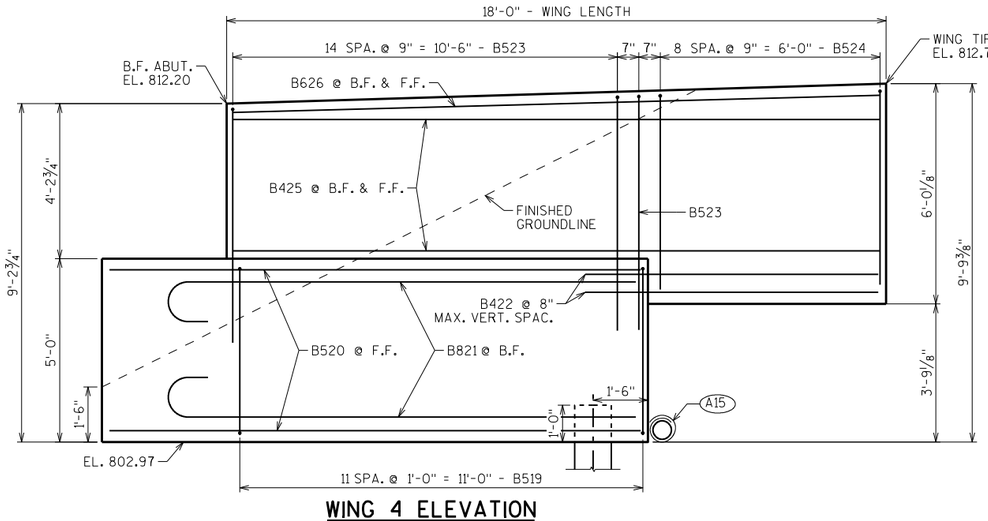
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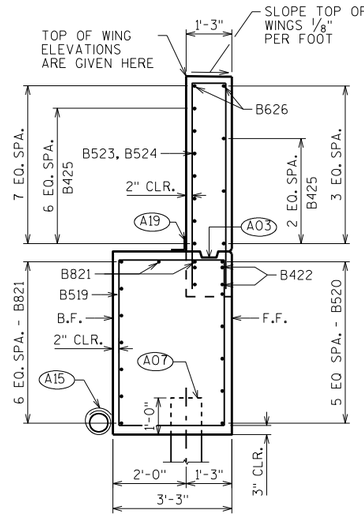
WING 3 ELEVATION



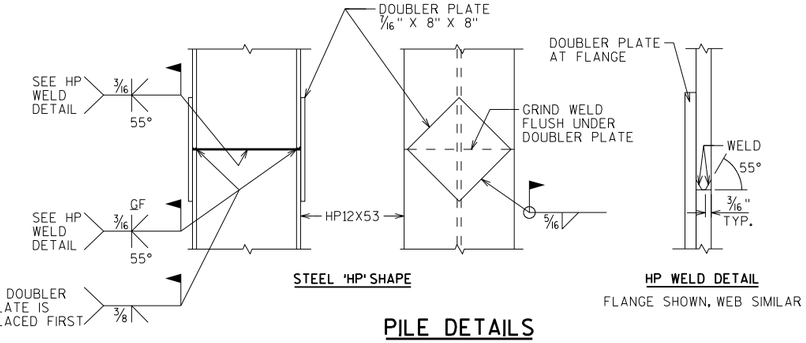
SECTION THRU WING 3



WING 4 ELEVATION



SECTION THRU WING 4

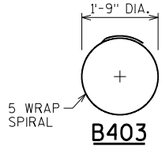


STEEL 'HP' SHAPE

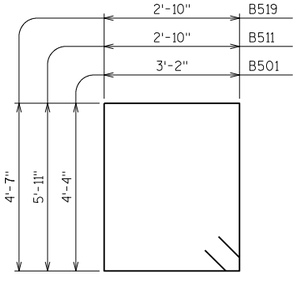
HP WELD DETAIL

FLANGE SHOWN, WEB SIMILAR

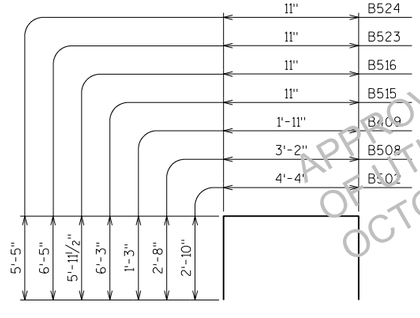
PILE DETAILS



B403



B501, B511, B519



B502, B508, B409 B515, B523, B524

BILL OF BARS

NOTE: THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE

BAR MARK	COAT	NO. REQ'D.	LENGTH	BENT	BAR SERIES	LOCATION
B501		57	15'-8"	X		BODY - VERTICAL - STIRRUPS
B502		22	9'-9"	X		BODY - VERTICAL - ENDS
B403		8	28'-0"	X		BODY - 1 PER BODY PILE
B404		16	2'-3"			BODY - 2 PER BODY PILE - VERT
B605		7	23'-10"			BODY - HORIZONTAL
B1006		14	19'-3"	X		BODY - HORIZONTAL - B.F. - HOOK
B407		4	37'-4"			BODY - HORZ - NORTH END ONLY
B508		38	8'-3"	X		BODY - VERT - NORTH END ONLY
B409		24	4'-3"	X		BODY - VERT - BWTN BEAM SEATS
B410		10	5'-6"			BODY - HORZ - BWTN BEAM SEATS 2-7
B511	X	10	18'-2"	X		WING 3 - VERTICAL - STIRRUPS
B512	X	7	13'-1"			WING 3 - HORIZONTAL - F.F.
B713	X	7	11'-0"			WING 3 - HORIZONTAL - B.F.
B414	X	6	7'-9"			WING 3 - HORIZONTAL
B515	X	13	13'-2"	X		WING 3 - VERTICAL
B516	X	9	12'-7"	X		WING 3 - VERTICAL
B417	X	9	15'-8"			WING 3 - HORZ - B.F. & F.F.
B618	X	2	15'-8"			WING 3 - HORIZONTAL
B519	X	12	15'-6"	X		WING 4 - VERTICAL - STIRRUPS
B520	X	6	14'-5"			WING 4 - HORIZONTAL - F.F.
B821	X	9	14'-5"	X		WING 4 - HORIZONTAL - B.F. - HOOK
B422	X	4	7'-9"			WING 4 - HORIZONTAL
B523	X	16	13'-6"	X		WING 4 - VERTICAL
B524	X	9	11'-6"	X		WING 4 - VERTICAL
B425	X	10	17'-8"			WING 4 - HORZ - B.F. & F.F.
B626	X	2	17'-8"			WING 4 - HORIZONTAL
B427						NOT USED
B428		2	5'-9"			BODY - B/W BEAM SEATS 1& 2
B629		22	28'-2"			BODY - HORIZONTAL
B730	X	2	11'-11"			WING 3 - HORIZONTAL

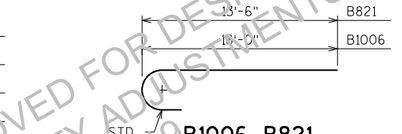
(A03) OPTIONAL CONST. JOINT: KEYWAY FORMED BY BEVELED 2 x 6. (18" RMW @ B.F. & 3/4" "V" GROOVE @ F.F. IF JOINT IS USED).

(A07) SUPPORT ABUTMENT ON HP 12 x 53 STEEL PILING, ESTIMATED 30'-0" LONG WITH A REQUIRED DRIVING RESISTANCE OF 220 TONS PER PILE. PILE POINTS REQUIRED.

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(A17) 1/2" FILLER (INCLUDED IN WING LENGTH): SEAL ALL EXPOSED HORIZ. & VERT. SURFACES OF 1/2" FILLER WITH NON-STAINING GRAY NON-BITUMINOUS JOINT SEALER. (1" DEEP AND HOLD 1/8" BELOW SURFACE OF CONCRETE). EXTEND SEALER 3" BELOW GUTTER LINE AT INSIDE FACE.

(A19) 18" (RMW) RUBBERIZED MEMBRANE WATERPROOFING SEAL ALL HORIZ. & VERT. JOINTS AT BACKFACE.



B1006, B821

APPROVED FOR DESIGN ONLY
UTILITY ADJUSTMENTS
OCTOBER 2019

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-44-292

DRAWN BY SEW | PLANS CK'D.

EAST ABUTMENT DETAILS

SHEET 8

PRE_171

SCALE = 2.00

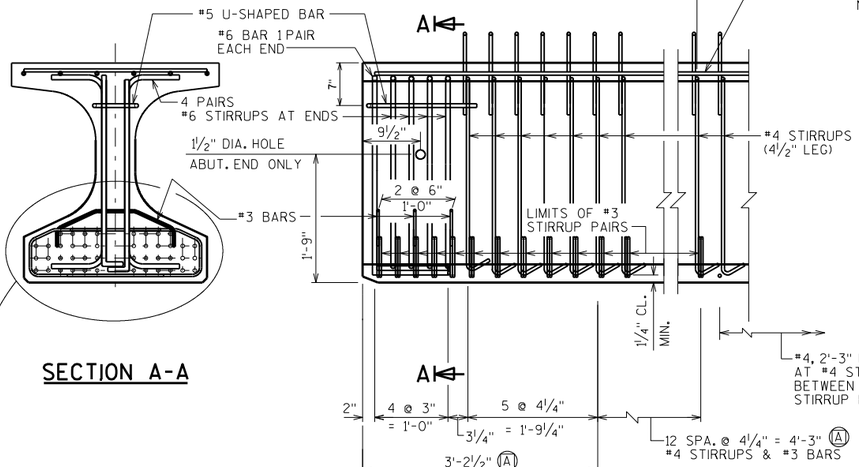
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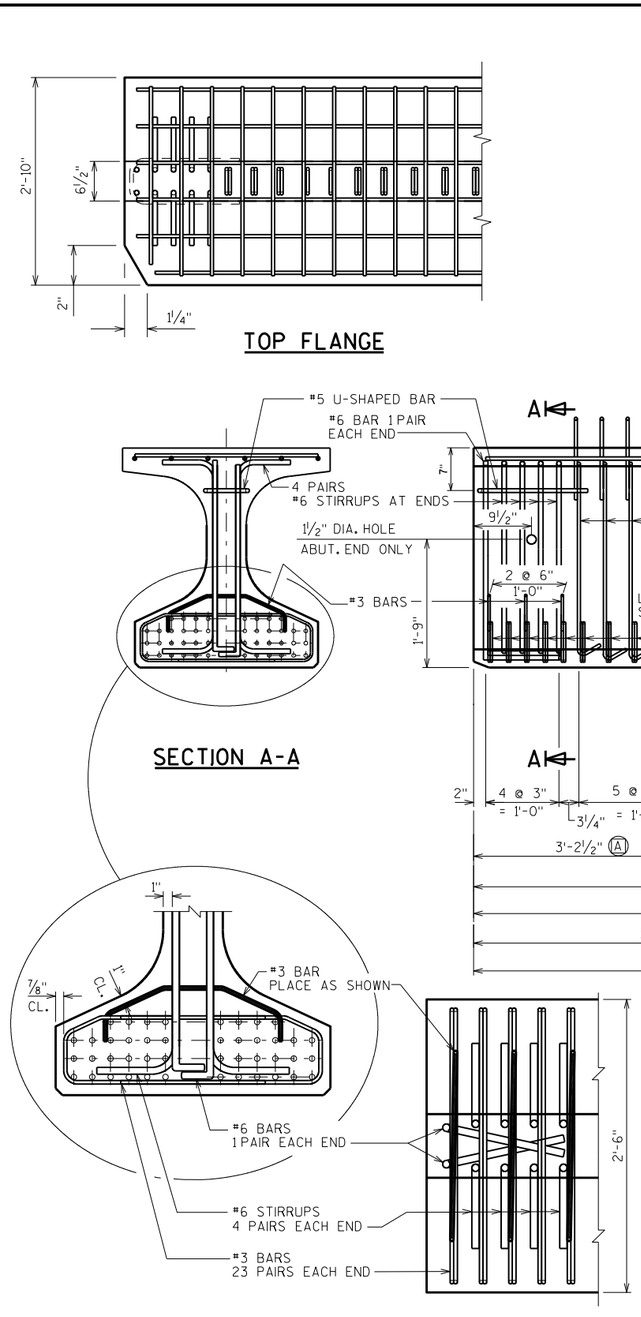
STATE PROJECT NUMBER

1146-75-71

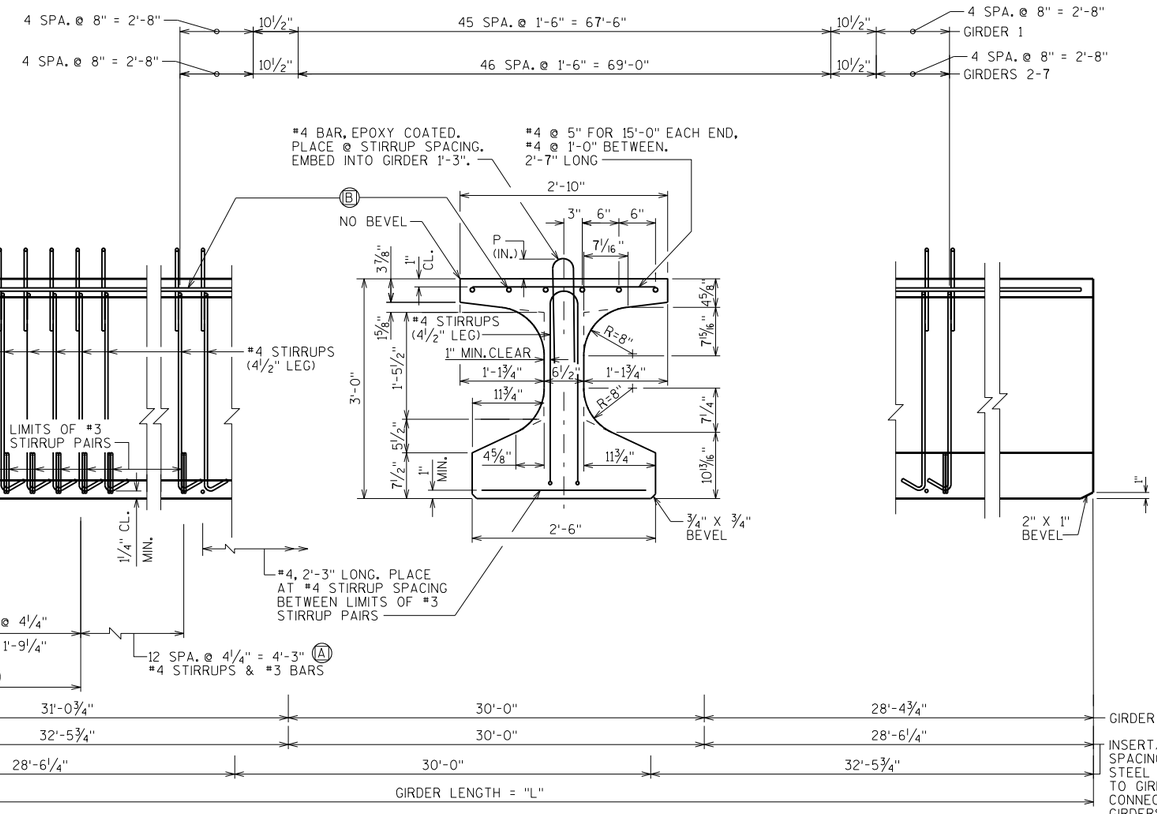
TOP FLANGE



SECTION A-A



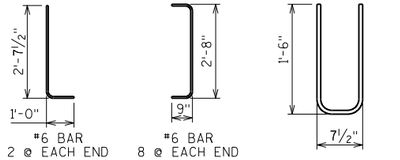
BOTTOM FLANGE

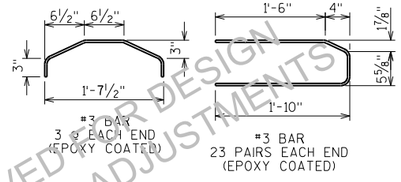


SIDE VIEW & TYPICAL SECTION IN SPAN

Ⓐ DETAIL TYP. AT EACH END

Ⓑ 6 #4 BARS, FULL LENGTH, MIN. LAP = 1'-11"





NOTES

TOP OF GIRDER TO BE ROUGH FLOATED AND BROOMED TRANSVERSELY, EXCEPT THE THE OUTSIDE 8" OF GIRDER, WHICH SHALL RECEIVE A SMOOTH FINISH. AN APPROVED CONCRETE SEALER SHALL BE APPLIED TO ALL SMOOTH SURFACES INCLUDING THE OUTSIDE 8" OF THE TOP FLANGE.

DO NOT APPLY CONCRETE SEALER OR EPOXY TO SURFACES RECEIVING APPLICATION OF CONCRETE STAINING.

THE GIRDERS SHALL BE PROVIDED WITH A SUITABLE LIFTING DEVICE FOR HANDLING AND ERECTING THE GIRDERS. SEE SECT. 503.3.3 OF STANDARD SPECIFICATIONS FOR GUIDANCE.

STRANDS SHALL BE FLUSH WITH END OF GIRDER. FOR GIRDER ENDS EMBEDDED COMPLETELY IN CONCRETE, END OF STRANDS SHALL BE COATED WITH NON-BITUMINOUS JOINT SEALER. FOR GIRDER ENDS THAT ARE FINALLY EXPOSED, COAT THE GIRDER ENDS, EXPOSED STRAND ENDS AND ALL NON-BONDING SURFACES WITHIN 2 FEET OF THE GIRDER ENDS WITH A NON-PIGMENTED EPOXY CONFORMING TO AASHTO M-235 TYPE III, GRADE 2, CLASS B OR C. THE EPOXY SHALL BE APPLIED AT LEAST 3 DAYS AFTER MOIST CURING HAS CEASED AND PRIOR TO THE APPLICATION OF THE SEALER.

ALL GIRDERS SHALL BE CAST FULL LENGTH AS SHOWN.

SPACING SHOWN FOR #4 STIRRUPS IS FOR GRADE 60 REINFORCEMENT.

AN ALTERNATE EQUIVALENT OF WELDED WIRE FABRIC (WWF) ASTM A497 MAY BE SUBSTITUTED FOR THE STIRRUP REINFORCEMENT SHOWN, UPON APPROVAL OF THE STRUCTURES DEVELOPMENT SECTION.

PRESTRESSING STRANDS SHALL BE (0.6" DIA.)-7 WIRE LOW-RELAXATION STRANDS WITH AN ULTIMATE STRENGTH OF 270,000 PSI.

FOR DIAPHRAGM INSERT & CONNECTION DETAILS SEE "STEEL DIAPHRAGM" SHEET.

✳ MINIMUM CYLINDER STRENGTH OF CONCRETE @ TIME OF TRANSFER OF PRESTRESS FORCE.

GIRDER DATA

SPAN	GIRDER	GIRDER LENGTH "L"	DEAD LOAD DEFL. (IN.) 1/10	2/10	3/10	4/10	5/10	6/10	7/10	8/10	9/10	CONC. STRGTH. f'c (p.s.i.)	"P" IST 1/3 OF GIRDER	"P" MID 1/3 OF GIRDER	"P" END 1/3 OF GIRDER	DIA. OF STRAND (IN.)	DRAPED PATTERN TOTAL NO. OF STRANDS	f'ci (P.S.I.) ✳	(IN.) "A"	"B" MIN.	"B" MAX.	"C"	UNDRAPED PATTERN TOTAL NO. OF STRANDS	f'ci (P.S.I.) ✳
1	1	89.50	0.6	1.1	1.5	1.7	1.8	1.7	1.5	1.1	0.6	8000	9	8	9	0.6	32	6400	31	11.5	14.5	5		
1	2-6	91.00	0.6	1.2	1.6	1.9	1.9	1.9	1.6	1.2	0.6	8000	9	8	9	0.6	32	6400	31	11.5	14.5	5		
1	7	91.00	0.6	1.2	1.6	1.9	2.0	1.9	1.6	1.2	0.6	8000	9	8	9	0.6	32	6400	31	11.5	14.5	5		

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STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-44-292

DRAWN BY SEW | PLANS CK'D.

36W" PRESTRESSED GIRDER DETAILS 1 PRE_172

SHEET 9

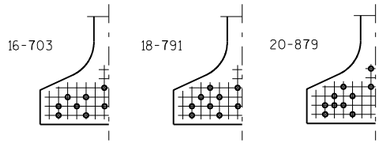
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8 19 9 5 12

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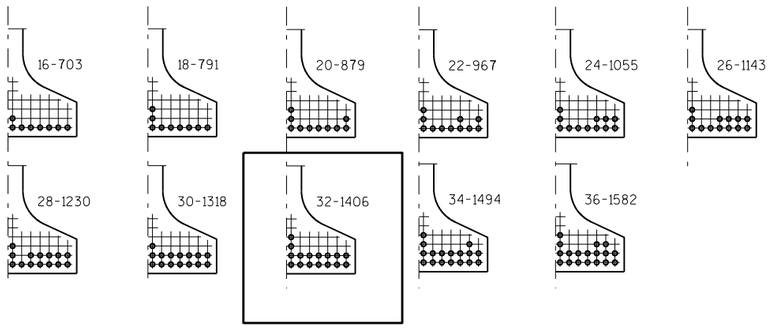
STATE PROJECT NUMBER

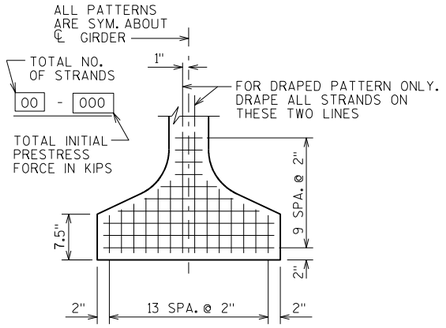
1146-75-71



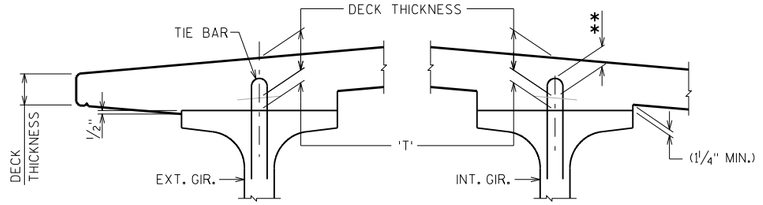
STANDARD ARRANGEMENTS TO RAISE CENTER OF GRAVITY TO AVOID DRAPING OF STRANDS

0.6"Φ STRANDS





TYP. STRAND PATTERN



DECK HAUNCH DETAIL

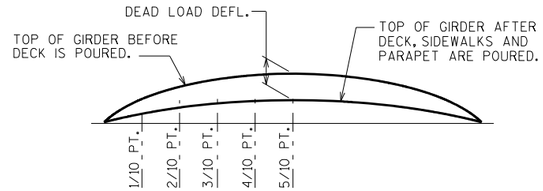
IF 1¼" MINIMUM HAUNCH HEIGHT AT EDGE OF GIRDER CANNOT BE MAINTAINED, THE GRADE LINE MAY BE REVISED BY THE ENGINEER AT THE OPTION OF THE CONTRACTOR. THE PLAN DECK THICKNESS SHALL BE HELD. NOTIFY THE STRUCTURES SECTION IF THE GRADE LINE IS RAISED FROM THE PLAN PROFILE BY MORE THAN ½" OR,

** IF 3" MINIMUM DECK EMBEDMENT OF TIE BAR CANNOT BE OBTAINED.

TO DETERMINE 'T', ELEV. OF TOP OF GIR'S. AT ℄ OF SUBSTRUCTURE UNITS & AT 1/10 POINTS OF EACH SPAN SHALL BE TAKEN. THEN FOLLOW THIS PROCESS:

TOP OF DECK ELEV. AT FINAL GRADE
- TOP OF GIRDER ELEVATION
+ DEAD LOAD DEFLECTION
- DECK THICKNESS
= HAUNCH HEIGHT 'T'

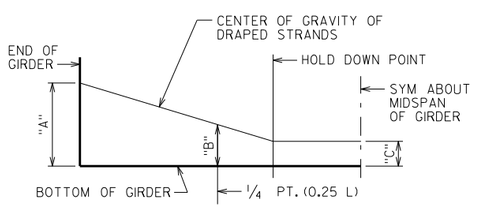
NOTE: AN AVERAGE HAUNCH ('T') OF 3.9" WAS USED IN THE QUANTITY "CONCRETE MASONRY BRIDGES".



DEAD LOAD DEFLECTION DIAGRAM

ARRANGEMENT AT ℄ SPAN - FOR GIRDERS WITH DRAPED STRANDS

0.6"Φ STRANDS



DRAPED STRAND PROFILE

*THE THEORETICAL INITIAL CAMBER VALUE AT THE TIME OF STRAND RELEASE AT MIDSPAN MULTIPLIED BY A FACTOR OF 1.4 TO ACCOUNT FOR CAMBER GROWTH FROM THE TIME OF STRAND RELEASE TO JOBSITE PLACEMENT.

SPAN	CAMBER (IN.) *
1	3.63

THESE VALUES ARE NOT TO BE USED IN DETERMINING 'T', USE ACTUAL GIRDER SHOTS.

THESE VALUES ARE FOR INFORMATIONAL PURPOSES ONLY.

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STRUCTURES DESIGN SECTION

STRUCTURE B-44-292

DRAWN BY SEW | PLANS CK'D.

36W" PRESTRESSED GIRDER DETAILS 2 PRE_173

SHEET 10

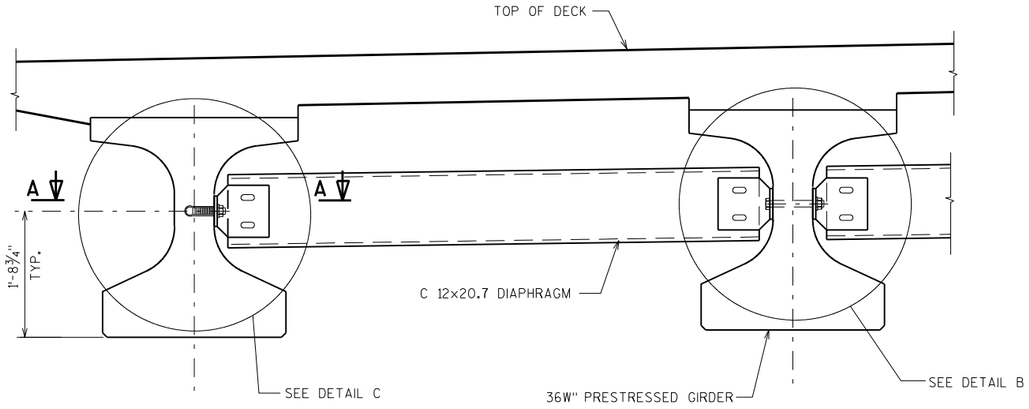
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SCALE = 1.00

STATE PROJECT NUMBER

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EXTERIOR GIRDER

INTERIOR GIRDER

PART TRANSVERSE SECTION AT DIAPHRAGM

NOTES

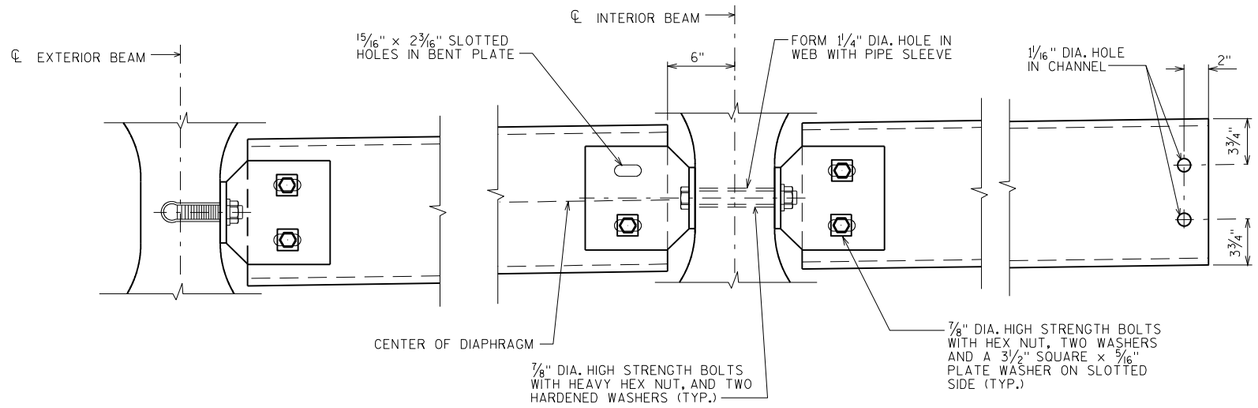
ALL DIAPHRAGM MATERIAL NOT EMBEDDED IN THE CONCRETE GIRDER SHALL BE PAID FOR AT THE UNIT PRICE BID FOR "STEEL DIAPHRAGMS B-44-292", EACH.

EACH DIAPHRAGM BETWEEN GIRDERS SHALL CONSTITUTE ONE UNIT.

ALL DIAPHRAGM STRUCTURAL STEEL SHALL BE ASTM A709 GRADE 36.

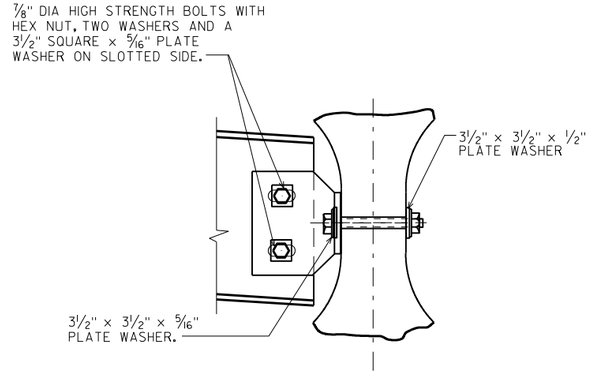
ALL DIAPHRAGM MATERIAL INCLUDING BOLTS, NUTS, AND WASHERS SHALL BE GALVANIZED AFTER FABRICATION.

STEEL DIAPHRAGM TO CONCRETE WEB CONNECTION SHALL BE SNUG-TIGHT PLUS 1/4 TURN, UNLESS NOTED OTHERWISE. HIGH STRENGTH BOLTS FOR WEB CONNECTION SHALL MEET THE REQUIREMENTS FOR ASTM A325 OR ASTM A449.

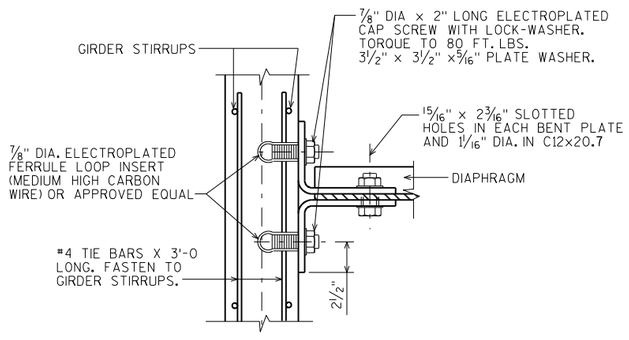


DETAIL C

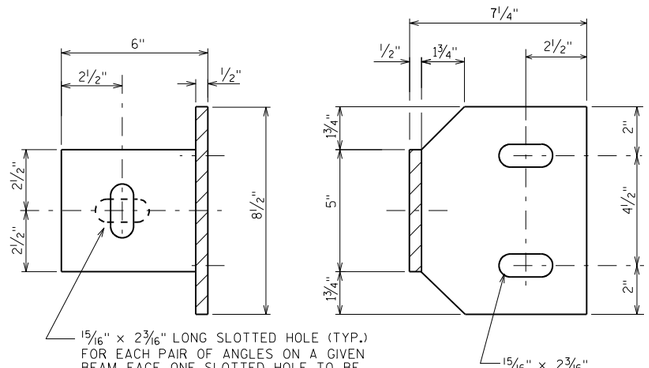
DETAIL B



SECTION AT INTERIOR GIRDERS THRU DIAPHRAGM FOR SKEW ANGLES > 10°

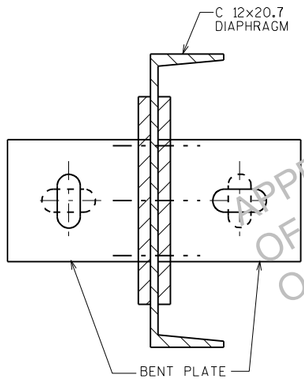


SECTION A-A
(FOR EXTERIOR ATTACHMENT)



BEAM FACE

DIAPHRAGM FACE



ATTACHMENT TO CHANNEL

APPROVED FOR DESIGN OF UTILITY ADJUSTMENTS OCTOBER 2019

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-44-292

DRAWN BY SEW | PLANS CK'D.

STEEL DIAPHRAGM | SHEET 11

PRE_174

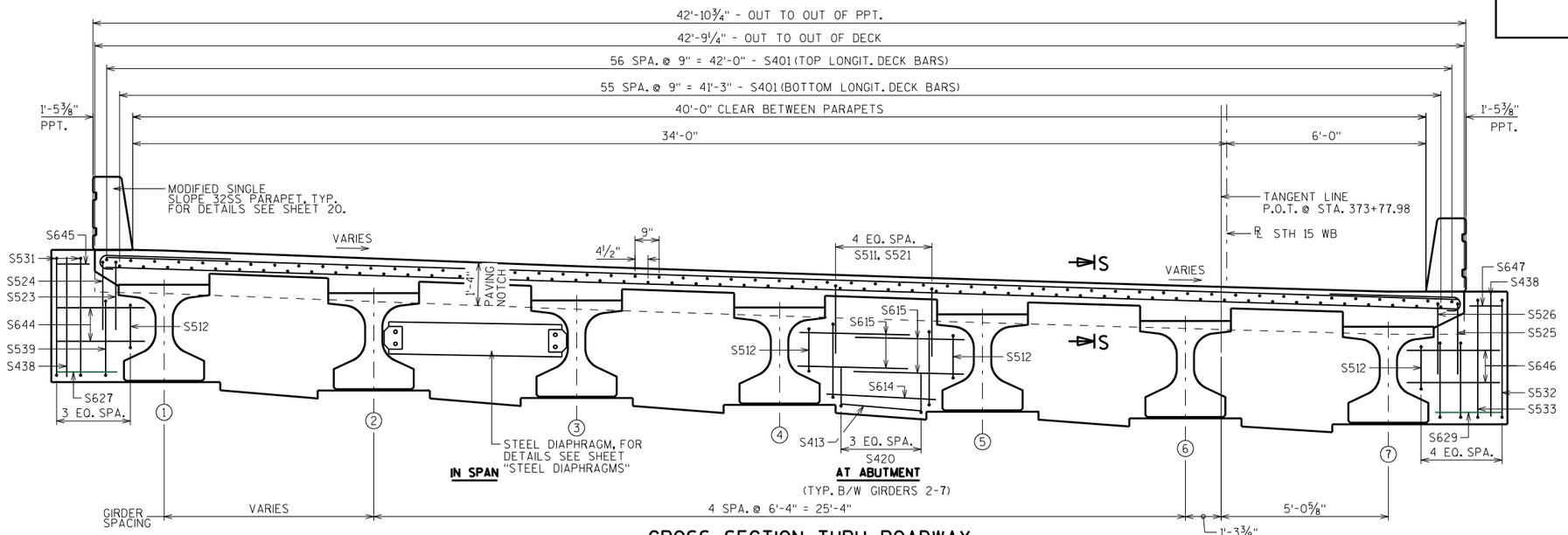
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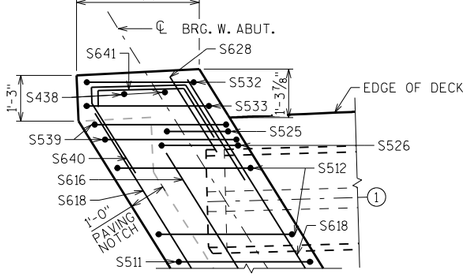
STATE PROJECT NUMBER

1146-75-71



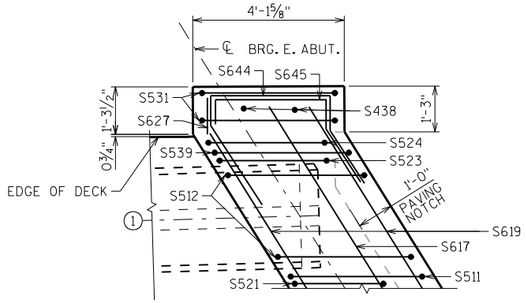
CROSS SECTION THRU ROADWAY

LOOKING EAST



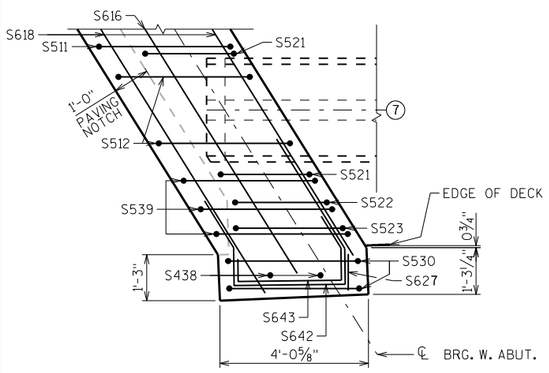
PLAN - ABUTMENT DIAPHRAGM

WING 2 SHOWN



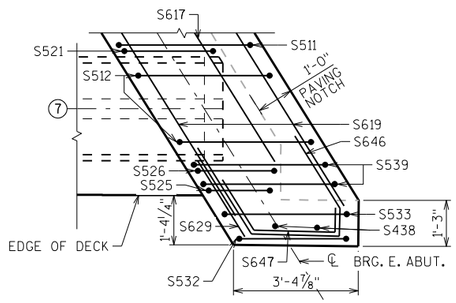
PLAN - ABUTMENT DIAPHRAGM

WING 3 SHOWN



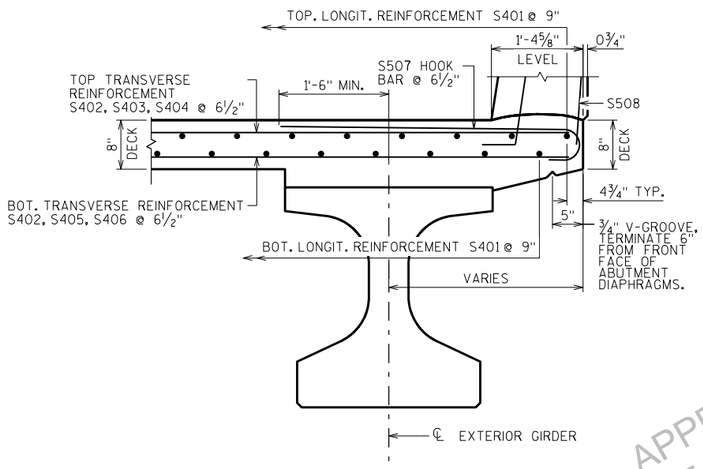
PLAN - ABUTMENT DIAPHRAGM

WING 1 SHOWN



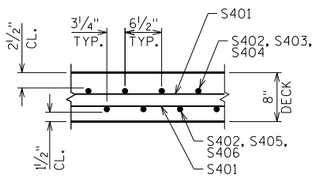
PLAN - ABUTMENT DIAPHRAGM

WING 4 SHOWN



DECK STEEL DETAIL

(TYP. AT BOTH EDGES)



SECTION S-S

APPROVED FOR DESIGN OF UTILITY ADJUSTMENTS OCTOBER 2019

○ INDICATES GIRDER NUMBER

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
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STRUCTURES DESIGN SECTION

STRUCTURE B-44-292

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SUPERSTRUCTURE CROSS SECTION

SHEET 12

PRE_175

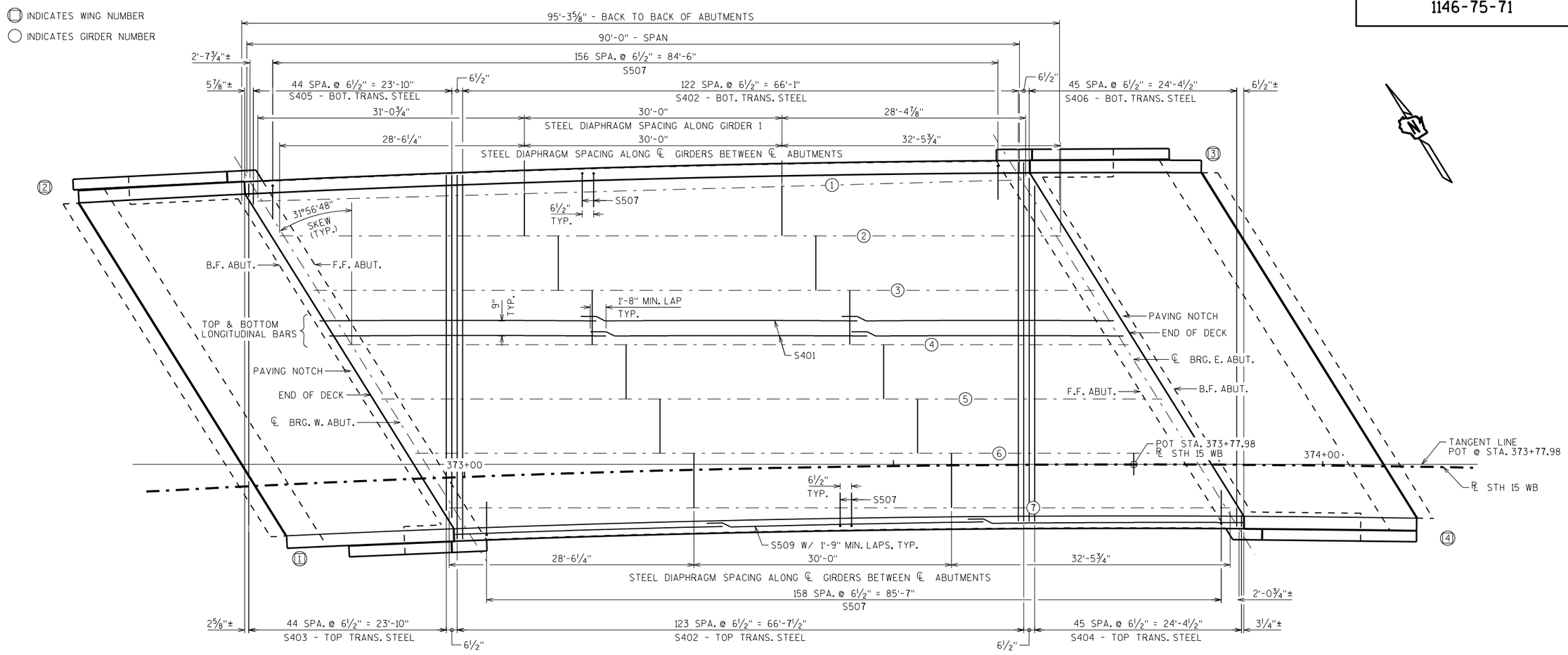
SCALE = 2.00

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STATE PROJECT NUMBER

1146-75-71



PLAN

(MEASUREMENTS TAKEN NORMAL TO TANGENT LINE)

TOP OF DECK ELEVATIONS

EOD = EDGE OF DECK

	℄ BRG. W. ABUT	1/10	2/10	3/10	4/10	5/10	6/10	7/10	8/10	9/10	℄ BRG. E. ABUT.
NORTH EOD	810.93	811.18	811.43	811.68	811.93	812.18	812.43	812.68	812.93	813.18	813.41
℄ GIRDER 1	810.92	811.16	811.40	811.65	811.89	812.14	812.40	812.65	812.90	813.16	813.39
℄ GIRDER 2	810.76	810.99	811.23	811.47	811.71	811.95	812.19	812.44	812.69	812.94	813.14
℄ GIRDER 3	810.52	810.75	810.99	811.23	811.47	811.71	811.96	812.21	812.46	812.70	812.90
℄ GIRDER 4	810.28	810.52	810.75	810.99	811.24	811.48	811.73	811.98	812.23	812.46	812.69
℄ GIRDER 5	810.04	810.28	810.52	810.76	811.01	811.25	811.50	811.75	812.00	812.24	812.48
℄ GIRDER 6	809.80	810.04	810.28	810.53	810.77	811.02	811.27	811.52	811.78	812.03	812.29
℞ 'WB'	809.69	809.95	810.20	810.46	810.72	810.97	811.23	811.48	811.74	811.99	812.25
℄ GIRDER 7	809.56	809.81	810.05	810.29	810.54	810.79	811.04	811.30	811.57	811.84	812.11
SOUTH EOD	809.50	809.75	810.01	810.27	810.52	810.78	811.04	811.30	811.57	811.84	812.11

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STRUCTURES DESIGN SECTION

STRUCTURE B-44-292

DRAWN BY SEW | PLANS CK'D.

SUPERSTRUCTURE

SHEET 13

PRE_176

SCALE = 6.00

8

8

STATE PROJECT NUMBER

1146-75-71

BILL OF BARS

NOTE: THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE

BAR MARK	COAT	NO. REQ'D.	LENGTH	BENT	BAR SERIES	LOCATION
S401	X	339	32'-0"			DECK - TOP & BOT. HORIZ. - LONGIT.
S402	X	247	42'-5"			DECK - TOP & BOT. HORIZ. - TRANS.
⚠ S403	X	45	20'-9"		X	DECK - TOP HORIZ. - TRANS.
⚠ S404	X	46	20'-11		X	DECK - TOP HORIZ. - TRANS.
⚠ S405	X	45	21'-3"		X	DECK - BOT. HORIZ - TRANS.
⚠ S406	X	46	21'-4"		X	DECK - BOT. HORIZ. - TRANS.
S507	X	316	5'-5"	X		DECK - TOP - TRANS. - HOOK
S508	X	275	4'-5"	X		PARAPET/DECK - VERT. - TRANS.
S509	X	36	31'-10"			PARAPET - HORIZ. - LONGIT.
S510	X	275	5'-0"	X		PARAPET - VERT. - TRANS.
S511	X	57	12'-11"	X		ABUT. DIAPHRAGM - STIRRUP - BTWN. GIRD
S512	X	28	11'-0"	X		ABUT. DIAPHRAGM - STIRRUP - AT GIRDERS
S413	X	20	2'-11"			ABUT. DIAPHRAGM - BTWN. GIRDERS 2-7
S614	X	10	4'-1"			ABUT. DIAPHRAGM - BTWN. GIRDERS
S615	X	45	4'-4"			ABUT. DIAPHRAGM - BTWN. GIRDERS
S616	X	1	49'-2"			ABUT. DIAPHRAGM AT W. PAVING NOTCH
S617	X	1	50'-3"			ABUT. DIAPHRAGM AT E. PAVING NOTCH
S618	X	4	50'-9"			ABUT. DIAPHRAGM AT W. ABUT.
S619	X	4	51'-8"			ABUT. DIAPHRAGM AT E. ABUT.
S420	X	45	3'-7"	X		ABUT. DIAPHRAGM - BTWN. GIRDERS
S521	X	58	6'-10"	X		ABUT. DIAPHRAGM - BTWN GIRDERS
S522	X	1	6'-11"	X		ABUT. DIAPHRAGM ENDS - WING 1- VERT
S523	X	2	7'-4"	X		ABUT. DIAPHRAGM ENDS - WINGS 1& 3
S524	X	1	7'-7"	X		ABUT. DIAPHRAGM ENDS - WING 3 - VERT
S525	X	2	6'-1"	X		ABUT. DIAPHRAGM ENDS - WINGS 2 & 4
S526	X	2	6'-6"	X		ABUT. DIAPHRAGM ENDS - WINGS 2 & 4
S627	X	2	1'-0"			ABUT. DIAPHRAGM ENDS - WINGS 1& 3
S628	X	1	2'-5"			ABUT. DIAPHRAGM ENDS - WING 2 - HORZ
S629	X	1	2'-6"			ABUT. DIAPHRAGM ENDS - WING 4 - HORZ
S530	X	2	15'-7"	X		ABUT. DIAPHRAGM ENDS - WING 1- VERT
S531	X	2	15'-9"	X		ABUT. DIAPHRAGM ENDS - WING 3 - VERT
S532	X	2	14'-4"	X		ABUT. DIAPHRAGM ENDS - WINGS 2 & 4
S533	X	2	15'-2"	X		ABUT. DIAPHRAGM ENDS - WINGS 2 & 4
S434	X	2	3'-2"			E. ABUT. DIAPHRAGM BTWN GIRD 1& 2
S635	X	1	1'-6"			W. ABUT. DIAPHRAGM BTWN GIRD 1& 2
S636	X	4	3'-0"			W. ABUT. DIAPHRAGM BTWN GIRD 1& 2
S537	X	28	6'-0"			ABUT. DIAPHRAGM THRU GIRDERS - HORZ
S438	X	8	3'-9"			ABUT. DIAPHRAGM ENDS - VERT
S539	X	8	13'-0"	X		ABUT. DIAPHRAGM ENDS - VERT
S640	X	2	8'-10"	X		ABUT. DIAPHRAGM ENDS - WING 2 - HORZ
S641	X	1	5'-0"	X		ABUT. DIAPHRAGM ENDS - WING 2 - HORZ
S642	X	2	10'-1"	X		ABUT. DIAPHRAGM ENDS - WING 1- HORZ
S643	X	1	5'-10"	X		ABUT. DIAPHRAGM ENDS - WING 1- HORZ
S644	X	2	10'-7"	X		ABUT. DIAPHRAGM ENDS - WING 3 - HORZ
S645	X	1	7'-4"	X		ABUT. DIAPHRAGM ENDS - WING 3 - HORZ
S646	X	2	8'-8"	X		ABUT. DIAPHRAGM ENDS - WING 4 - HORZ
S647	X	1	5'-4"	X		ABUT. DIAPHRAGM ENDS - WING 4 - HORZ
SS901		85	5'-0"	X		ABUT. DIAPH./APPROACH SLAB TIE

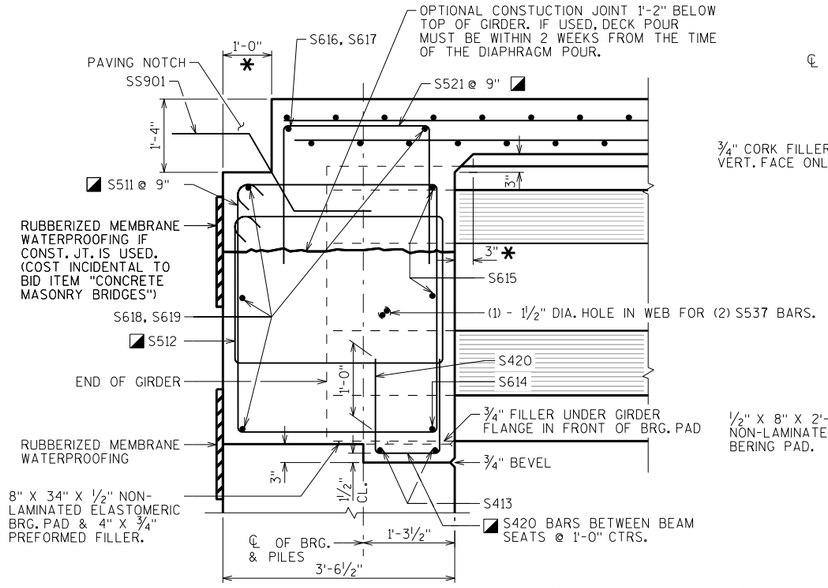
⚠ LENGTH SHOWN FOR BAR IS AN AVERAGE LENGTH AND SHOULD ONLY BE USED FOR BAR WEIGHT CALCULATIONS. SEE BAR SERIES TABLE FOR ACTUAL LENGTHS.

STAINLESS STEEL REINFORCEMENT

BAR SERIES TABLE

BAR MARK	NO. REQ'D.	LENGTH
S403	1 SERIES OF 45	1'-1" TO 40'-4"
S404	1 SERIES OF 46	1'-4" TO 40'-5"
S405	1 SERIES OF 45	1'-7" TO 40'-10"
S406	1 SERIES OF 46	1'-9" TO 40'-10"

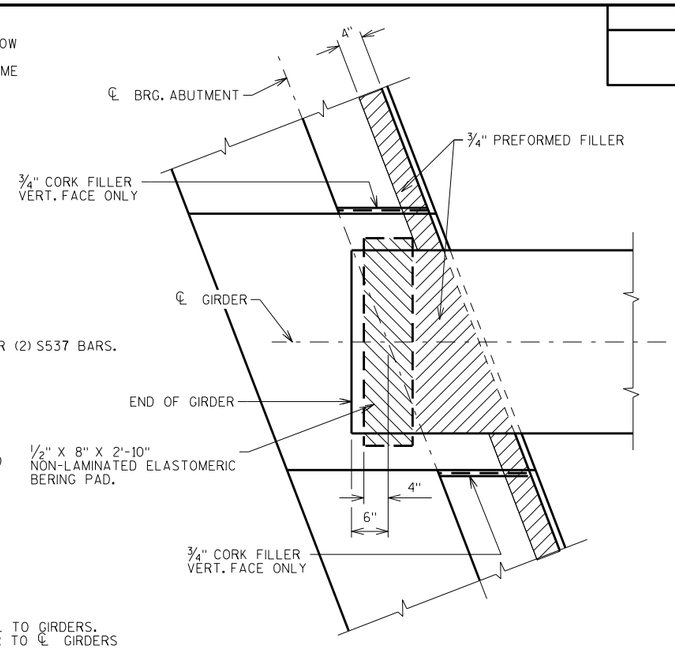
BUNDLE AND TAG EACH SERIES SEPARATELY.



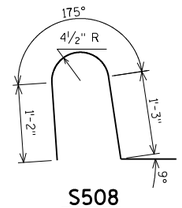
PART. LONGIT. SECTION

◪ BARS PLACED PARALLEL TO GIRDERS. SPACING PERPENDICULAR TO ℄ GIRDERS

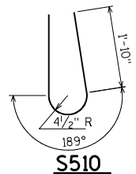
* DIMENSION IS TAKEN NORMAL TO ℄ SUBSTRUCTURE UNITS



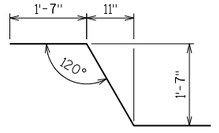
ABUTMENT BEARING PAD DETAIL



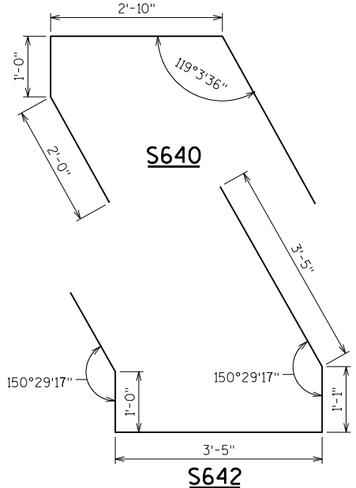
S508



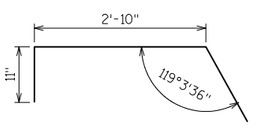
S510



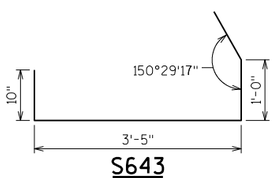
SS901



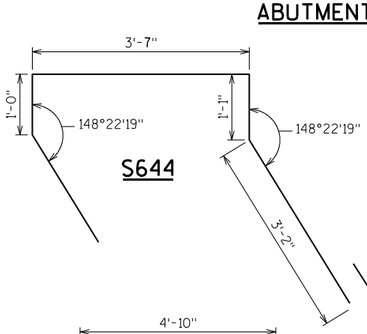
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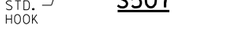
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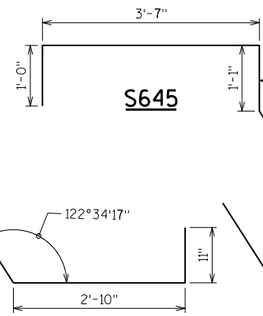
S643



S644

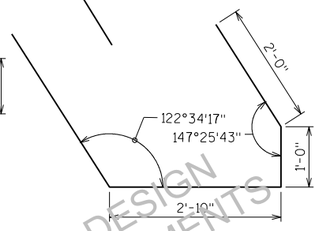


S507

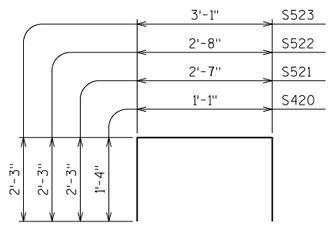


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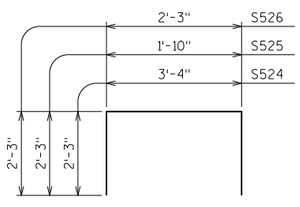
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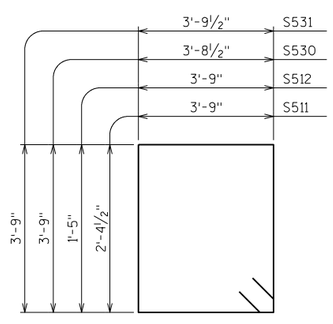
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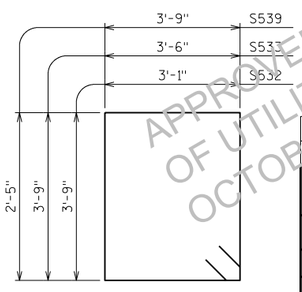
S420, S521, S522, S523



S524, S525, S526



S511, S512, S530, S531



S532, S533, S539

APPROVED FOR DESIGN OF UTILITY ADJUSTMENTS OCTOBER 2019

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-44-292

DRAWN BY SEW | PLANS CK'D.

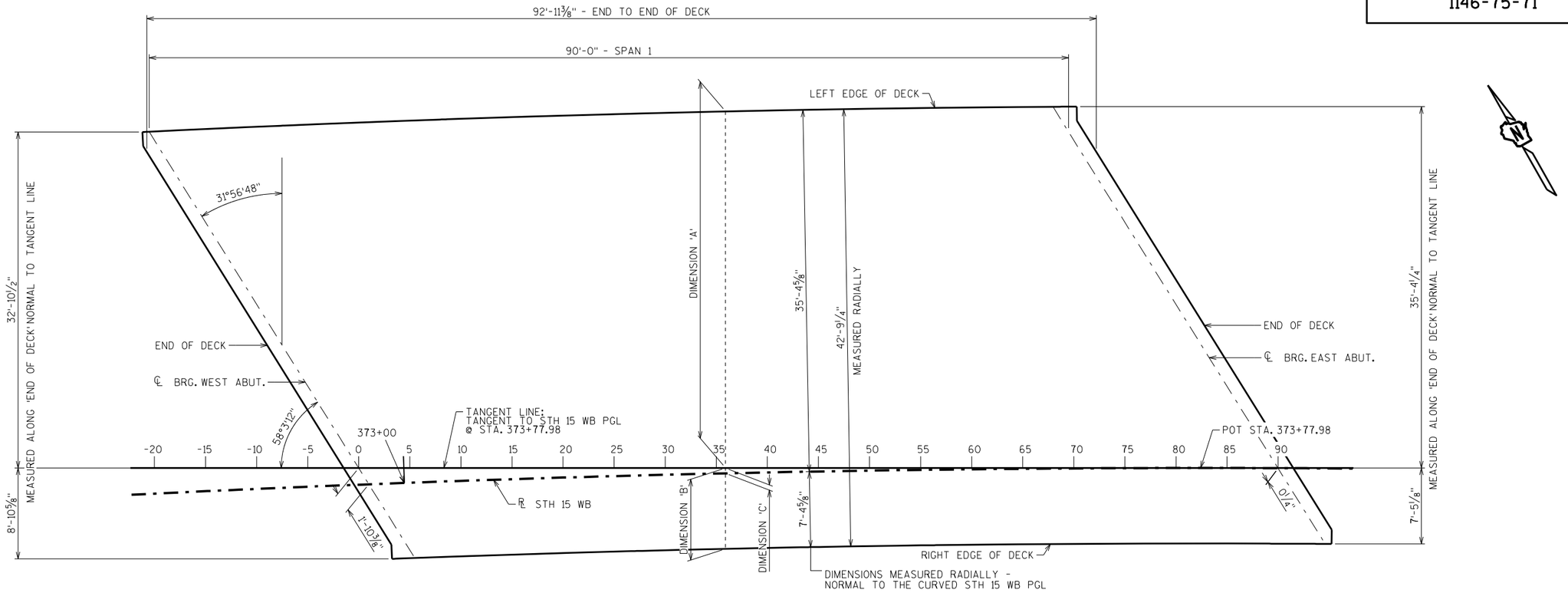
SUPERSTRUCTURE BAR DETAILS

SHEET 14

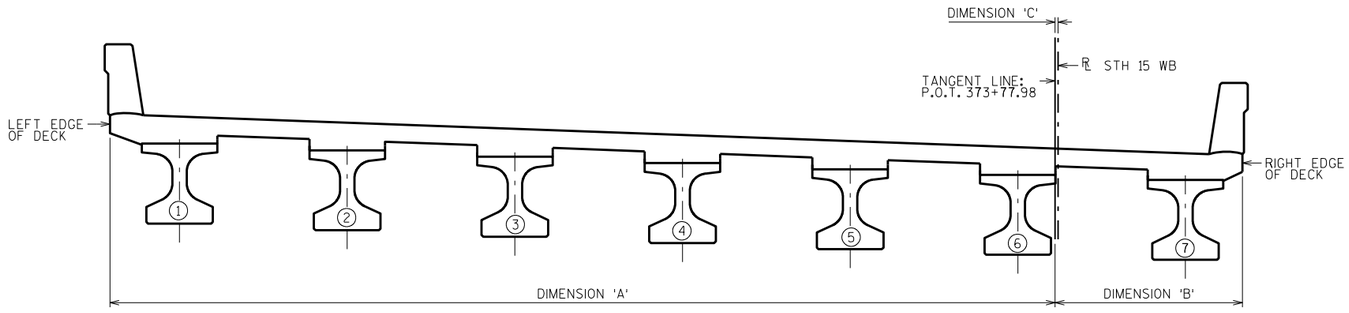
PRE_177

SCALE = 1.00

STATE PROJECT NUMBER
1146-75-71



PLAN



CROSS SECTION THRU BRIDGE LOOKING EAST

(HORIZONTAL DIMENSIONS ARE MEASURED NORMAL TO THE TANGENT LINE.)

TABLE OF TAN. OFFSETS

DIST.	A	B	C
-20	32'-11 1/8"	———	2'-6"
-15	33'-2"	———	2'-3 1/8"
-10	33'-4 5/8"	———	2'-0 3/8"
-5	33'-7 1/8"	———	1'-9 7/8"
0	33'-9 1/2"	———	1'-7 3/8"
5	33'-11 3/4"	8'-9 7/8"	1'-5 1/8"
10	34'-1 7/8"	8'-7 5/8"	1'-3"
15	34'-3 7/8"	8'-5 5/8"	1'-1"
20	34'-5 5/8"	8'-3 3/4"	11 1/8"
25	34'-7 3/8"	8'-2 1/8"	9 3/8"
30	34'-8 7/8"	8'-0 1/2"	7 7/8"
35	34'-10 1/4"	7'-11 1/8"	6 3/8"
40	34'-11 5/8"	7'-9 3/4"	5 1/8"
45	35'-0 3/4"	7'-8 5/8"	4"
50	35'-1 5/8"	7'-7 5/8"	3"
55	35'-2 1/2"	7'-6 3/4"	2 1/8"
60	35'-3 1/4"	7'-6 1/8"	1 3/8"
65	35'-3 3/4"	7'-5 1/2"	0 7/8"
70	35'-4 1/4"	7'-5 1/8"	0 1/2"
75	———	7'-4 3/4"	0 1/8"
80	———	7'-4 5/8"	0"
85	———	7'-4 5/8"	0"
90	———	7'-4 3/4"	0 1/8"

NOTE: DIMENSION 'A' = DISTANCE BETWEEN THE 'TANGENT LINE' AND THE LEFT 'EDGE OF DECK'.

DIMENSION 'B' = DISTANCE BETWEEN THE 'TANGENT LINE' AND THE RIGHT 'EDGE OF DECK'.

DIMENSION 'C' = DISTACE BETWEEN THE 'TANGENT LINE' AND ℄ STH 15 WB.

APPROVED FOR DESIGN OF UTILITY ADJUSTMENTS OCTOBER 2019

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-44-292

DRAWN BY SEW | PLANS CK'D.

DECK LAYOUT

SHEET 15

PRE_178

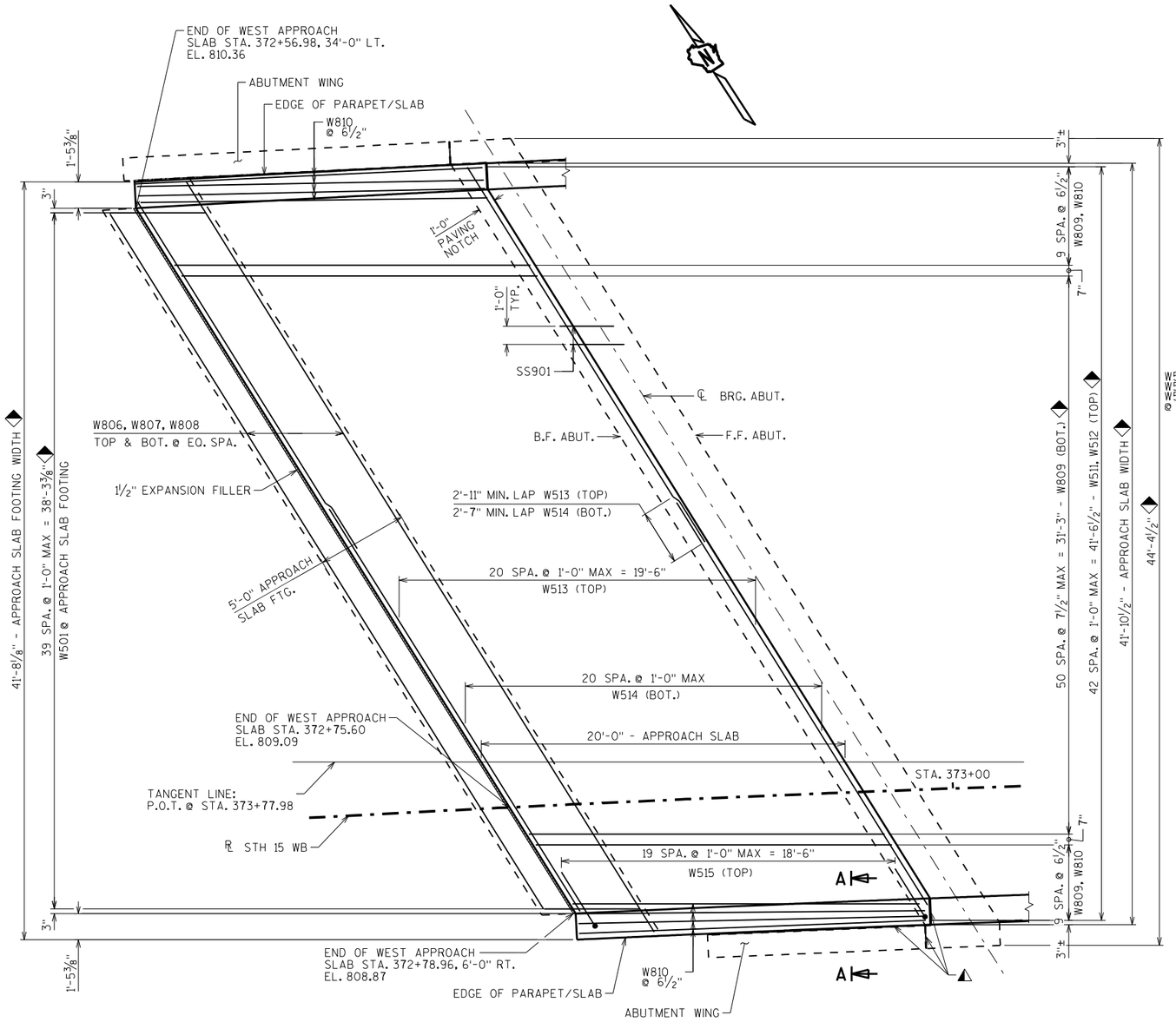
SCALE = 5.50

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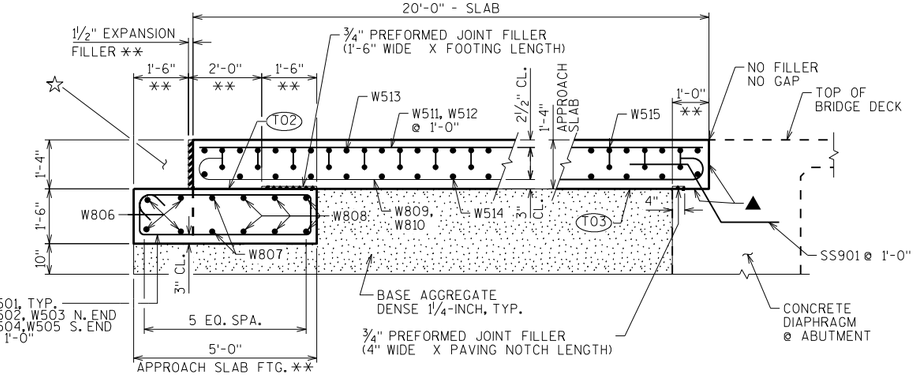
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STATE PROJECT NUMBER

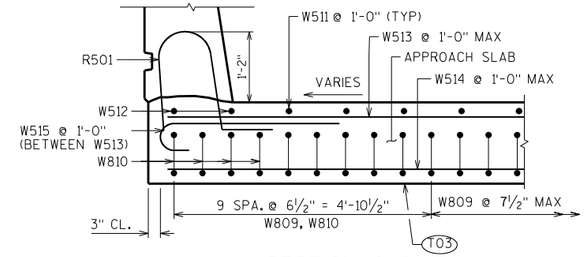
1146-75-71



PLAN



SECTION THRU APPROACH SLAB



SECTION A-A

(NORTH END SIMILAR)

◆ MEASURED NORMAL TO TANGENT

** MEASURED NORMAL TO ABUTMENT

☆ FOLLOW FDM 14-10-15 REQUIREMENTS FOR ROADWAY APPROACH PAVEMENT.

◭ SEAL ALL EXPOSED HORIZONTAL AND VERTICAL SURFACES OF ½" FILLER WITH NON-STAINING, GRAY, NON-BITUMINOUS JOINT SEALER. (1" DEEP AND HOLD ⅛" BELOW SURFACE OF CONCRETE).

▲ APPLY PROTECTIVE SURFACE TREATMENT TO PAVING NOTCH PRIOR TO POURING STRUCTURAL APPROACH SLAB.

(T02) STEEL TROWEL TOP SURFACE OF FOOTING AND PLACE MULTIPLE LAYERS (0.03" MIN. TOTAL THK.) OF POLYETHYLENE SHEETS OVER THE ENTIRE TOP OF FOOTING.

(T03) PLACE MULTIPLE LAYERS (0.03" MIN. TOTAL THK.) OF POLYETHYLENE SHEETS OVER THE ENTIRE TOP OF SUBGRADE BENEATH SLAB.

DESIGN DATA

ALLOWABLE SOIL BEARING PRESSURE:	2,000 P.S.F.
CONCRETE STRENGTH f'c:	4,000 P.S.I.
BAR STEEL REINFORCEMENT, GRADE 60, fy:	60,000 P.S.I.

APPROVED FOR DESIGN OF UTILITY ADJUSTMENTS OCTOBER 2019

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-44-292

DRAWN BY SEW | PLANS CK'D.

W. STRUCTURAL APPROACH SLAB

SHEET 16

PRE_179

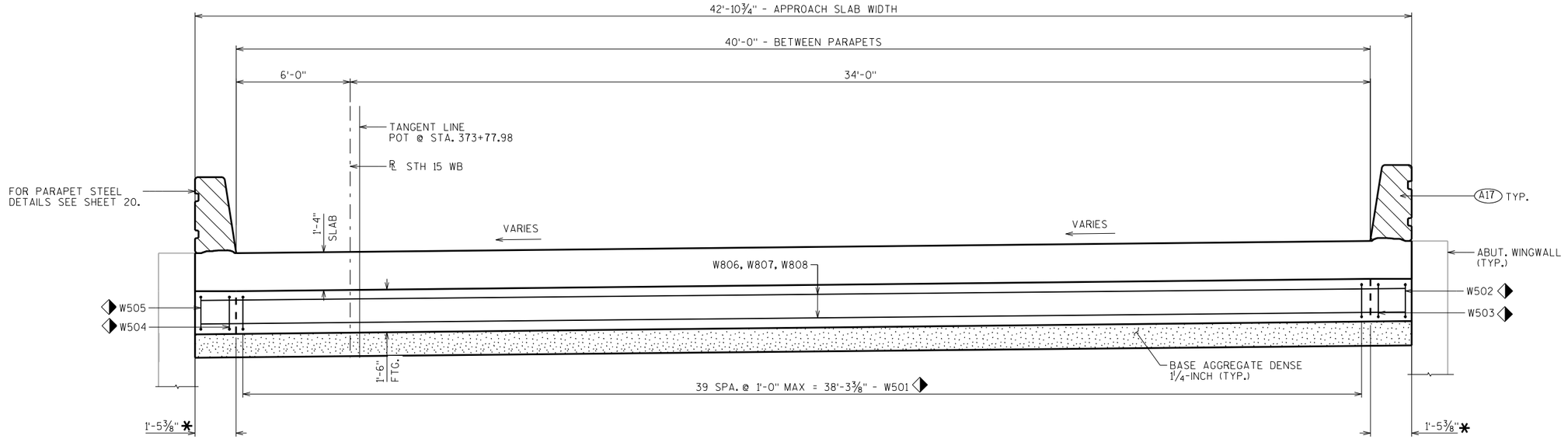
SCALE = 3.50

8

8

STATE PROJECT NUMBER

1146-75-71



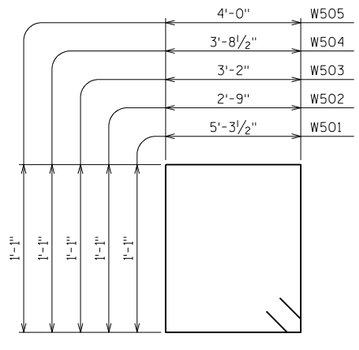
CROSS SECTION THRU ROADWAY - LOOKING WEST

(MEASUREMENTS TAKEN NORMAL TO ℄ STH 15 WB, SHOWING FOOTING STEEL ONLY)

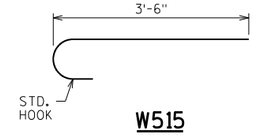
BILL OF BARS

NOTE: THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE

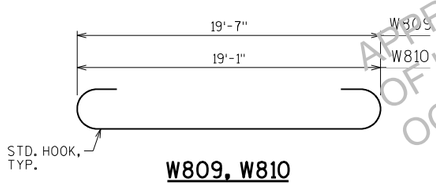
BAR MARK	COAT	NO. REQ'D.	LENGTH	BENT	BAR SERIES	LOCATION
W501	X	40	13'-5"	X		APPROACH SLAB FTG. - STIRRUP
W502	X	1	8'-4"	X		APPROACH SLAB FTG. - STIR. NORTH END
W503	X	1	9'-2"	X		APPROACH SLAB FTG. - STIR. NORTH END
W504	X	1	10'-3"	X		APPROACH SLAB FTG. - STIR. SOUTH END
W505	X	1	10'-10"	X		APPROACH SLAB FTG. - STIR. SOUTH END
W806	X	4	45'-1"			APPROACH SLAB FTG. - TRANS.
W807	X	2	47'-7"			APPROACH SLAB FTG. - TRANS.
W808	X	6	48'-6"			APPROACH SLAB FTG. - TRANS.
W809	X	63	21'-5"	X		APPROACH SLAB - LONG. - BOT.
W810	X	8	20'-11"	X		APPROACH SLAB - LONG. - BOT.
W511	X	39	19'-7"			APPROACH SLAB - LONG. - TOP
W512	X	4	19'-1"			APPROACH SLAB - LONG. - TOP
W513	X	42	25'-11"			APPROACH SLAB - TRANS. - TOP
W514	X	42	25'-8"			APPROACH SLAB - TRANS. - BOT.
W515	X	40	4'-1"	X		APPROACH SLAB - TRANS. - TOP - WING



W501, W502, W503, W504, W505



W515



W809, W810

A17 1/2" FILLER (INCLUDED IN WING LENGTH): SEAL ALL EXPOSED HORIZ. & VERT. SURFACES OF 1/2" FILLER WITH NON-STAINING GRAY NON-BITUMINOUS JOINT SEALER. (1" DEEP AND HOLD 1/8" BELOW SURFACE OF CONCRETE). EXTEND SEALER 3" BELOW GUTTER LINE AT INSIDE FACE.

* NOTCH FOR THRIE BEAM

BARS PLACED PARALLEL TO TAN. LINE
SPACING PERPENDICULAR TO TAN. LINE

APPROVED FOR UTILITY ADJUSTMENT
OCTOBER 2019

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-44-292

DRAWN BY SEW | PLANS CK'D.

W. STRUCT. APP. SLAB DETAILS

SHEET 17

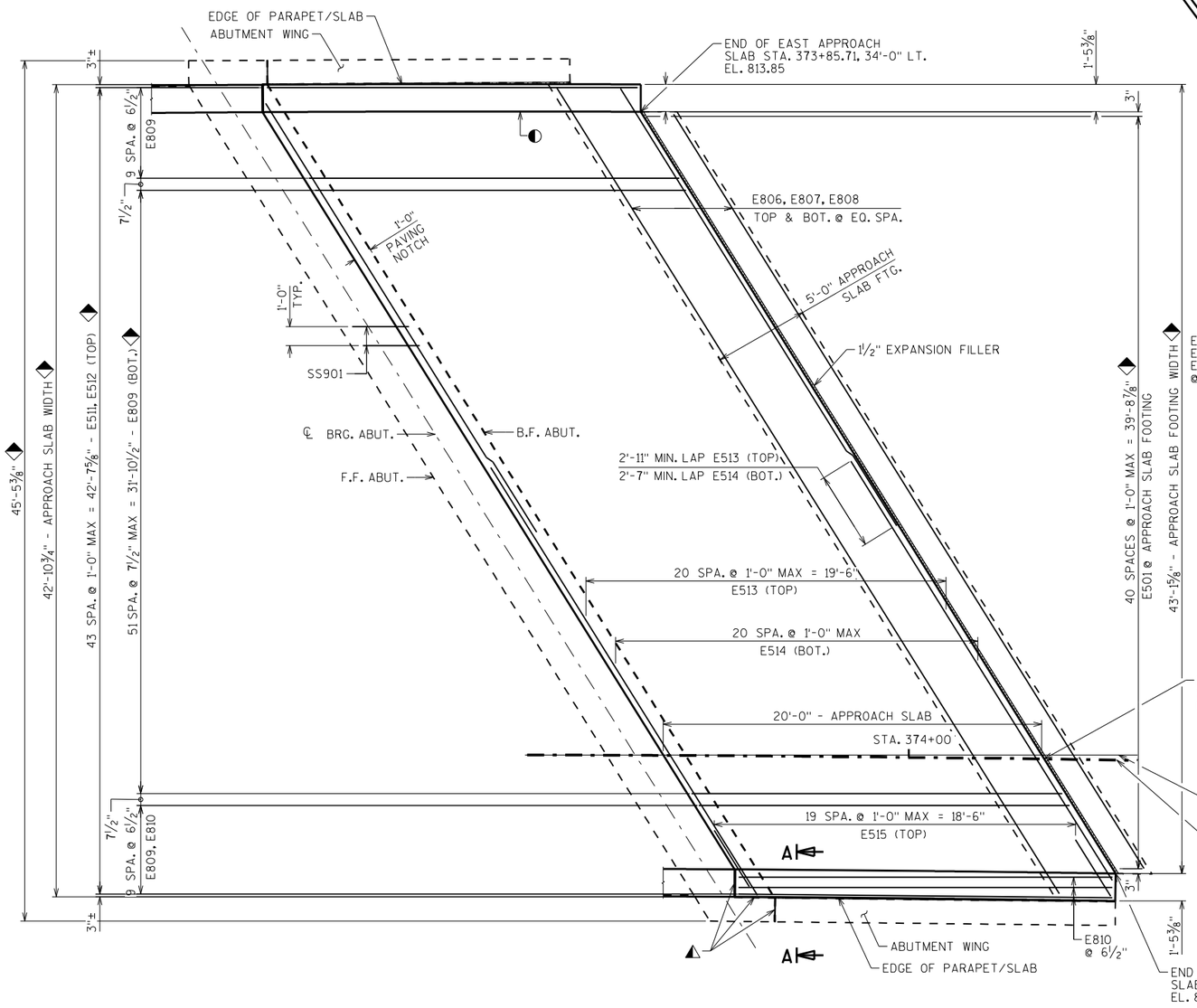
PRE_180

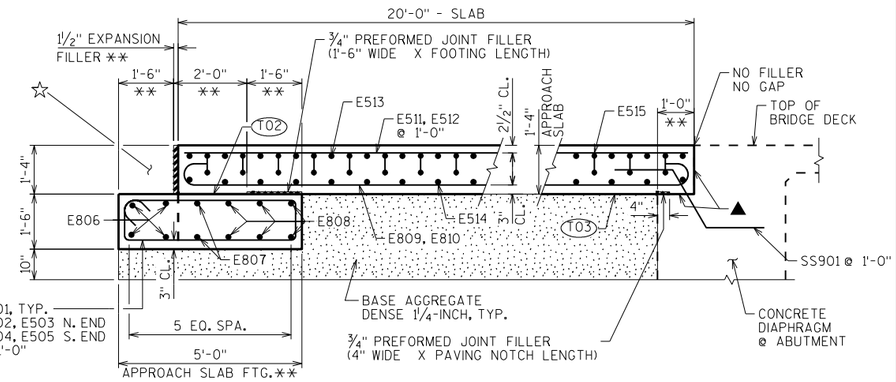
SCALE = 3.00

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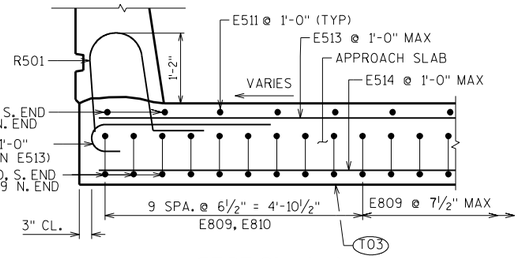
8

STATE PROJECT NUMBER
1146-75-71





SECTION THRU APPROACH SLAB



SECTION A-A

(NORTH END SIMILAR)

◆ MEASURED NORMAL TO TANGENT LINE

** MEASURED NORMAL TO ABUTMENT

☆ FOLLOW FDM 14-10-15 REQUIREMENTS FOR ROADWAY APPROACH PAVEMENT.

◭ SEAL ALL EXPOSED HORIZONTAL AND VERTICAL SURFACES OF ½" FILLER WITH NON-STAINING, GRAY, NON-BITUMINOUS JOINT SEALER. (1" DEEP AND HOLD ⅛" BELOW SURFACE OF CONCRETE).

▲ APPLY PROTECTIVE SURFACE TREATMENT TO PAVING NOTCH PRIOR TO POURING STRUCTURAL APPROACH SLAB.

◐ SEE PARAPET STANDARD DETAILS FOR LOCATION OF NAMEPLATE AND BENCH MARK WITH RESPECT TO THE END OF PARAPET.

(T02) STEEL TROWEL TOP SURFACE OF FOOTING AND PLACE MULTIPLE LAYERS (0.03" MIN. TOTAL THK.) OF POLYETHYLENE SHEETS OVER THE ENTIRE TOP OF FOOTING.

(T03) PLACE MULTIPLE LAYERS (0.03" MIN. TOTAL THK.) OF POLYETHYLENE SHEETS OVER THE ENTIRE TOP OF SUBGRADE BENEATH SLAB.

DESIGN DATA

ALLOWABLE SOIL BEARING PRESSURE:	2,000 P.S.F.
CONCRETE STRENGTH f'c:	4,000 P.S.I.
BAR STEEL REINFORCEMENT, GRADE 60, fy:	60,000 P.S.I.

APPROVED FOR DESIGN OF UTILITY ADJUSTMENTS OCTOBER 2019

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-44-292

DRAWN BY	SEW	PLANS CK'D.

E. STRUCTURAL APPROACH SLAB

SHEET 18

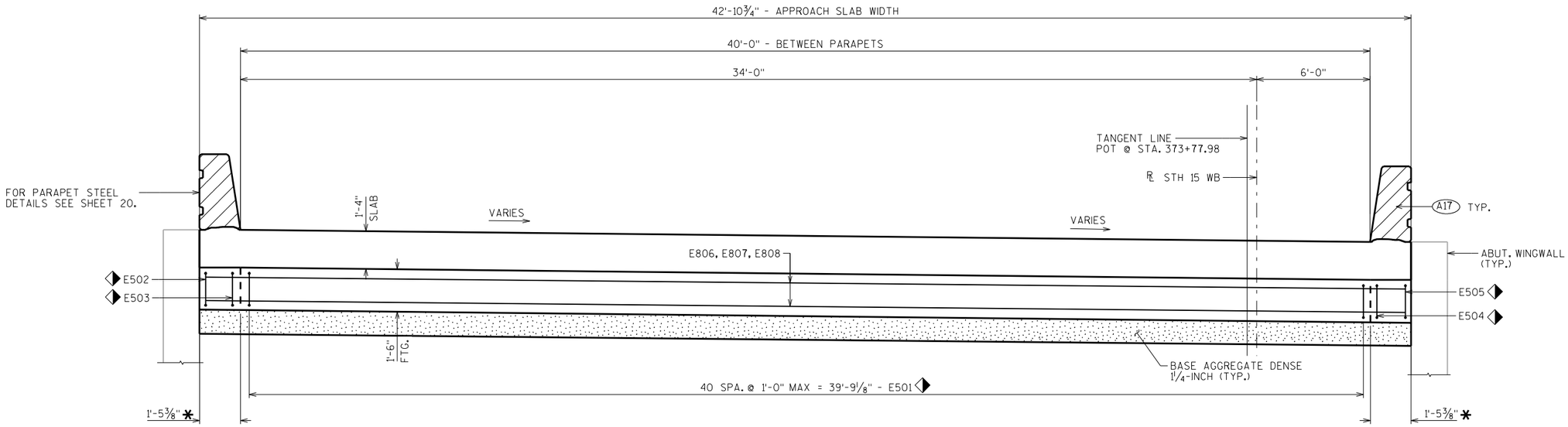
PRE_181

SCALE = 3.50

8

8

STATE PROJECT NUMBER
1146-75-71



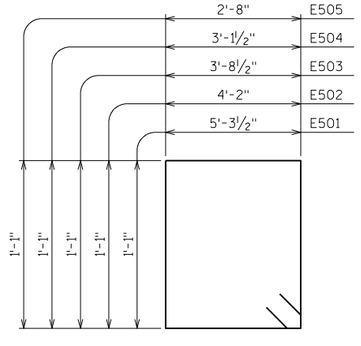
CROSS SECTION THRU ROADWAY - LOOKING EAST

(MEASUREMENTS TAKEN NORMAL TO ℄ STH 15 WB, SHOWING FOOTING STEEL ONLY)

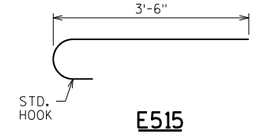
BILL OF BARS

NOTE: THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE

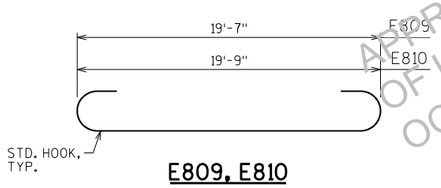
BAR MARK	COAT	NO. REQ'D.	LENGTH	BENT	BAR SERIES	LOCATION
E501	X	41	13'-5"	X		APPROACH SLAB FTG. - STIRRUP
E502	X	1	11'-2"	X		APPROACH SLAB FTG. - STIR. NORTH END
E503	X	1	10'-3"	X		APPROACH SLAB FTG. - STIR. NORTH END
E504	X	1	9'-1"	X		APPROACH SLAB FTG. - STIR. SOUTH END
E505	X	1	8'-2"	X		APPROACH SLAB FTG. - STIR. SOUTH END
E806	X	4	46'-10"			APPROACH SLAB FTG. - TRANS.
E807	X	2	49'-4"			APPROACH SLAB FTG. - TRANS.
E808	X	6	50'-3"			APPROACH SLAB FTG. - TRANS.
E809	X	69	21'-5"	X		APPROACH SLAB - LONG. - BOT.
E810	X	3	21'-7"	X		APPROACH SLAB - LONG. - BOT. SOUTH END
E511	X	42	19'-7"			APPROACH SLAB - LONG. - TOP
E512	X	2	19'-9"			APPROACH SLAB - LONG. - TOP SOUTH END
E513	X	42	26'-8"			APPROACH SLAB - TRANS. - TOP
E514	X	42	26'-6"			APPROACH SLAB - TRANS. - BOT.
E515	X	40	4'-1"	X		APPROACH SLAB - TRANS. - TOP - WING



E501, E502, E503, E504, E505



E515



E809, E810

A17 1/2" FILLER (INCLUDED IN WING LENGTH): SEAL ALL EXPOSED HORIZ. & VERT. SURFACES OF 1/2" FILLER WITH NON-STAINING GRAY NON-BITUMINOUS JOINT SEALER. (1" DEEP) AND HOLD 1/8" BELOW SURFACE OF CONCRETE). EXTEND SEALER 3" BELOW GUTTER LINE AT INSIDE FACE.

* NOTCH FOR THRIE BEAM

◢ BARS PLACED PARALLEL TO TAN. LINE
◢ SPACING PERPENDICULAR TO TAN. LINE

APPROVED FOR USE OF UTILITY ADJUSTMENT OCTOBER 2019

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-44-292

DRAWN BY	CHECKED BY	PLANS CK'D.
SEW		

E. STRUCT. APP. SLAB DETAILS

SHEET 19

PRE_182

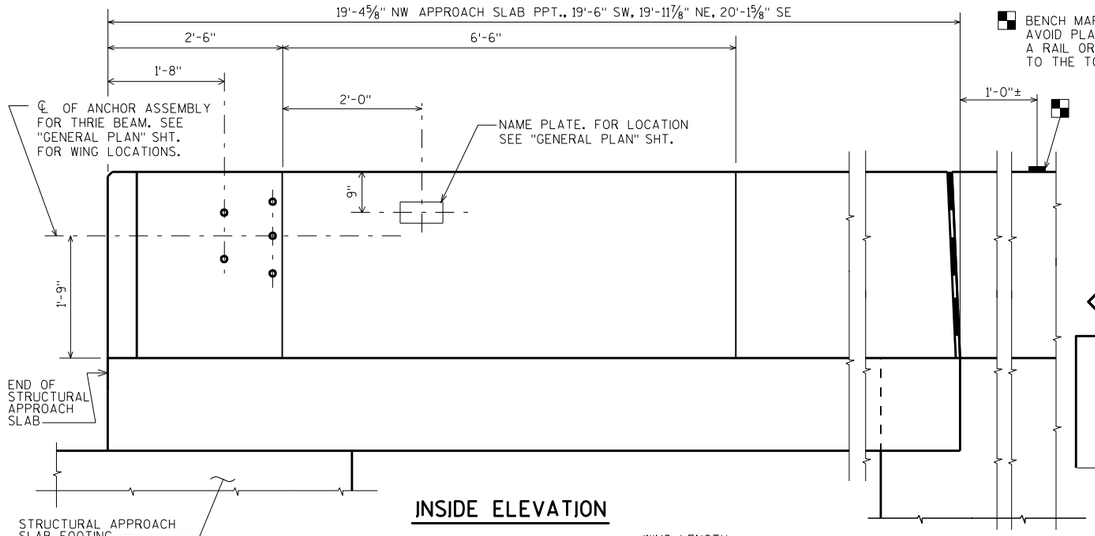
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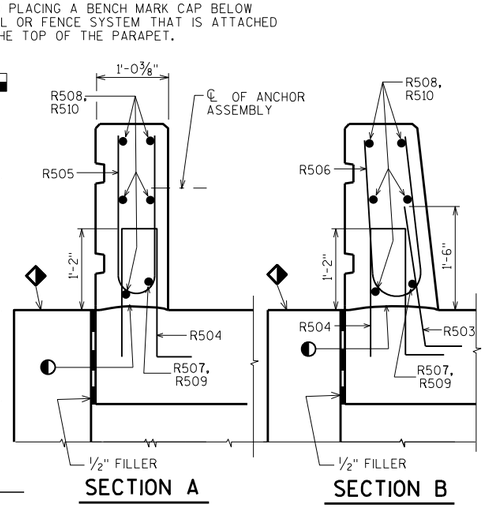
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STATE PROJECT NUMBER

1146-75-71

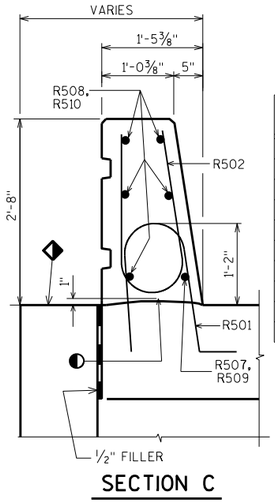


INSIDE ELEVATION



SECTION A

SECTION B

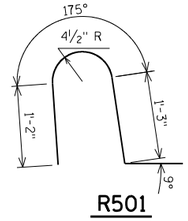


SECTION C

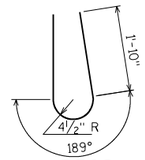
BILL OF BARS

FOR STRUCTURAL APPROACH SLAB PARAPETS

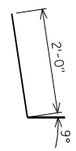
BAR MARK	COAT	W. APP. SLAB	E. APP. SLAB	LENGTH	BENT	BAR SERIES	LOCATION
R501	X	34	34	4-5	X		PARAPET VERT.
R502	X	34	34	5-0	X		PARAPET VERT.
R503	X	24	24	2-9	X		PARAPET VERT.
R504	X	34	34	4-4	X		PARAPET VERT.
R505	X	22	22	4-9	X		PARAPET VERT.
R506	X	12	12	4-10	X		PARAPET VERT.
R507	X	2		19'-0"	X		PARAPET HORIZ.
R508	X	10		19'-0"			PARAPET HORIZ.
R509	X		2	19'-7"	X		PARAPET HORIZ.
R510	X		10	19'-7"			PARAPET HORIZ.



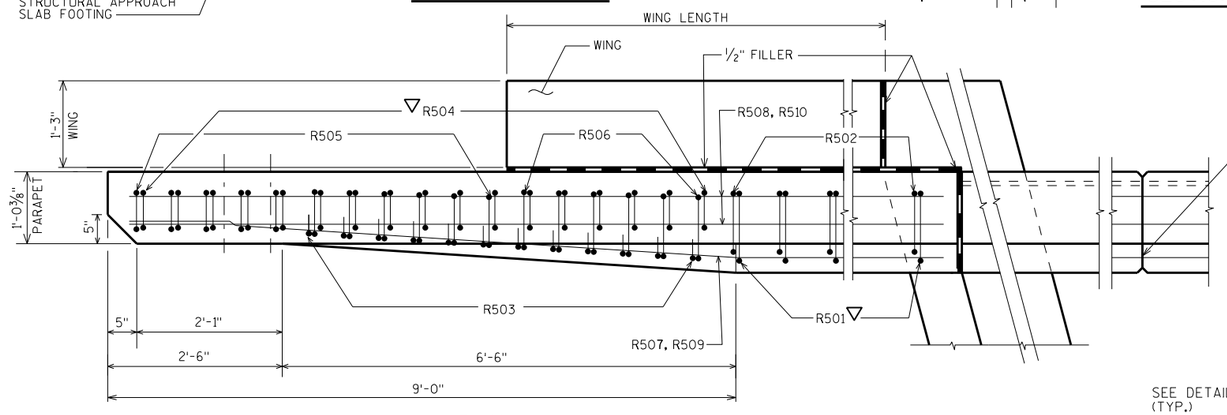
R501



R502

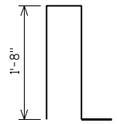


R503

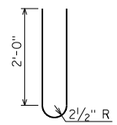


PLAN

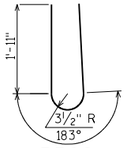
OPTIONAL CONSTRUCTION JOINTS IN THE PARAPETS MAY BE USED. RUN BAR REINF. THRU THE JOINT. LAP LONGIT. BARS A MIN. OF 1'-9". MIN. JOINT SPACING OF 80'-0". DEFINE CONST. JOINT WITH A ¾" - 'V' GROOVE.



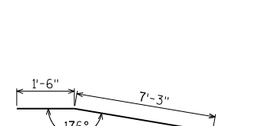
R504



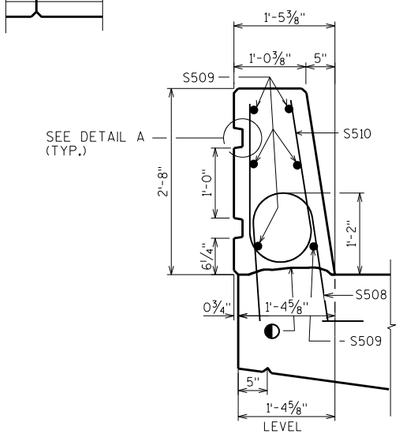
R505



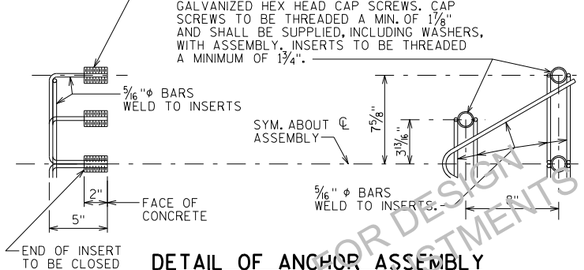
R506



R507, R509



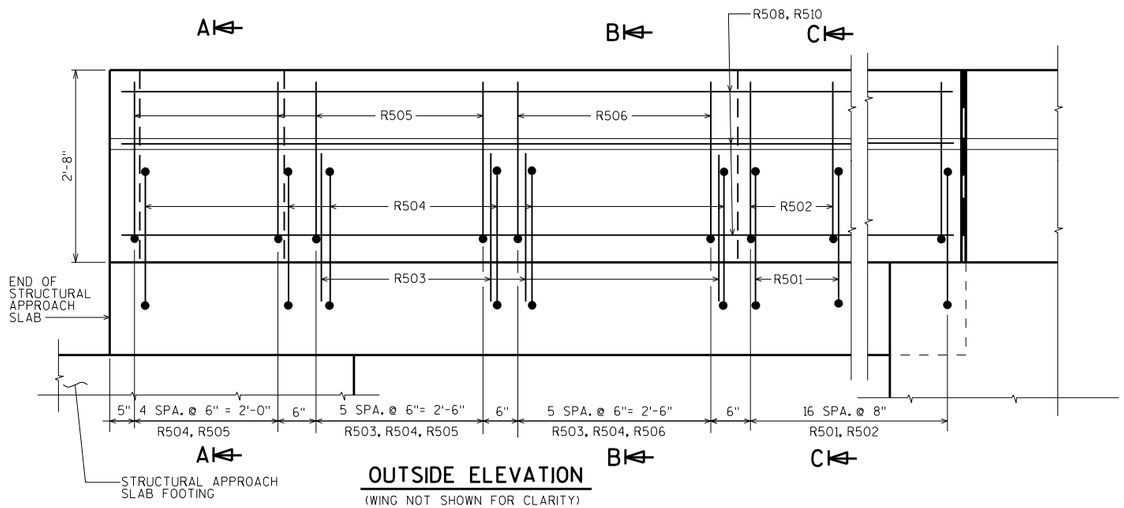
SECTION THRU PARAPET ON BRIDGE



DETAIL OF ANCHOR ASSEMBLY

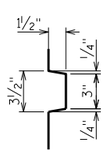
NOTE: HEX HEAD CAP SCREWS & WASHERS TO BE GALVANIZED IN ACCORDANCE WITH AASHTO M232 CLASS C.

ASSEMBLY SHALL BE BID ITEM "ANCHOR ASSEMBLIES FOR STEEL PLATE BEAM GUARD", EACH.



OUTSIDE ELEVATION

(WING NOT SHOWN FOR CLARITY)



DETAIL A

◆ SLOPE FOR DRAINAGE

◐ CONST. JOINT - STRIKE OFF AS SHOWN.

▽ R501 AND R504 BARS TO BE TIED TO STRUCTURAL APPROACH SLAB STEEL BEFORE STRUCTURAL APPROACH SLAB IS POURED.

APPROVED FOR DESIGN OF UTILITY ADJUSTMENTS OCTOBER 2020

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-44-292

DRAWN BY SEW | PLANS CK'D.

MODIFIED SINGLE SLOPE PARAPET 32SS WITH STRUCTURAL APPROACH SLAB

SHEET 20

PRE_183

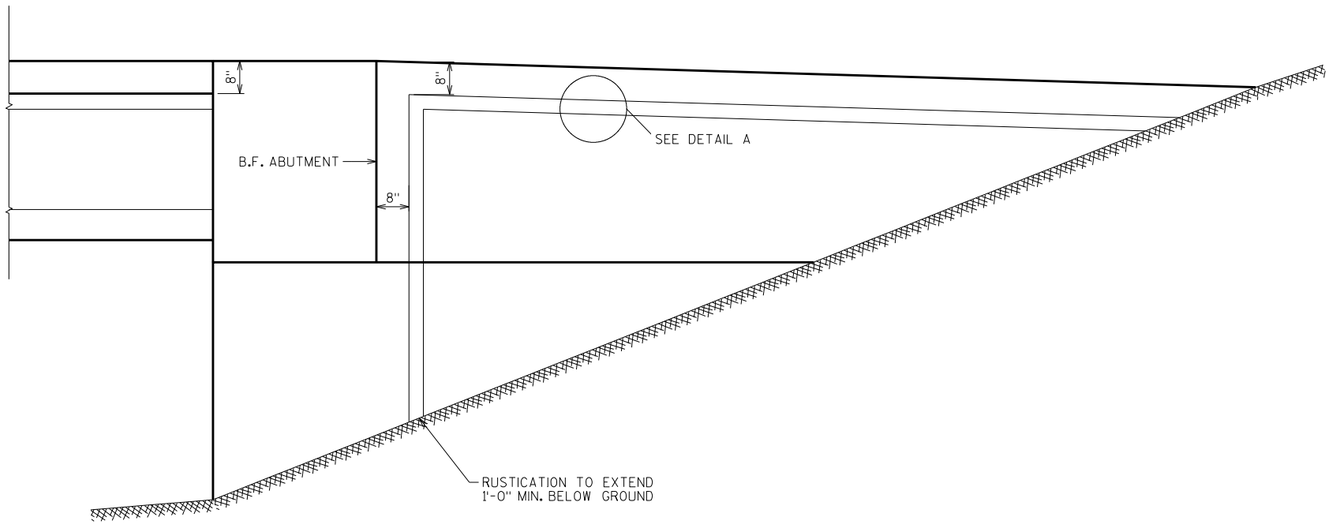
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8

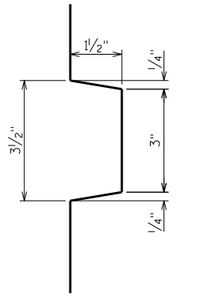
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STATE PROJECT NUMBER
1146-75-71

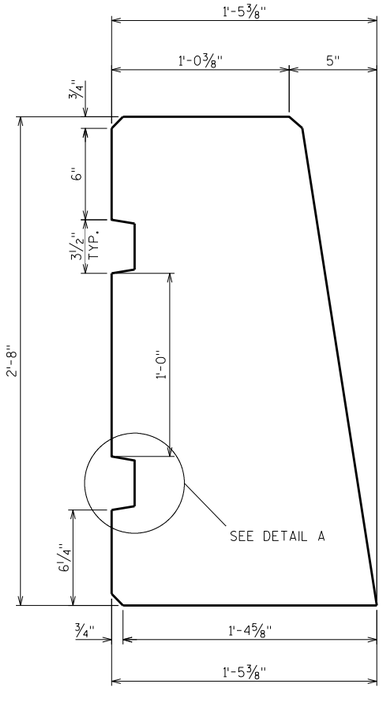
DOUBLE RUSTICATION LINES
MODIFIED 'SINGLE SLOPE PARAPET 32SS'
(AREA = 3.25 SF, WEIGHT = 488 LB/FT.)



WING WALL



DETAIL A



MODIFIED 32SS PARAPET

APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS
OCTOBER 2019

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-44-292

DRAWN BY	SEW	PLANS CK'D.

AESTHETIC DETAILS

SHEET 21

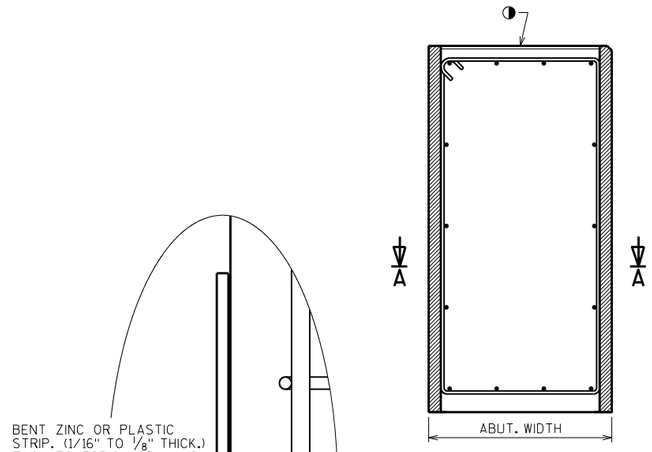
PRE_184

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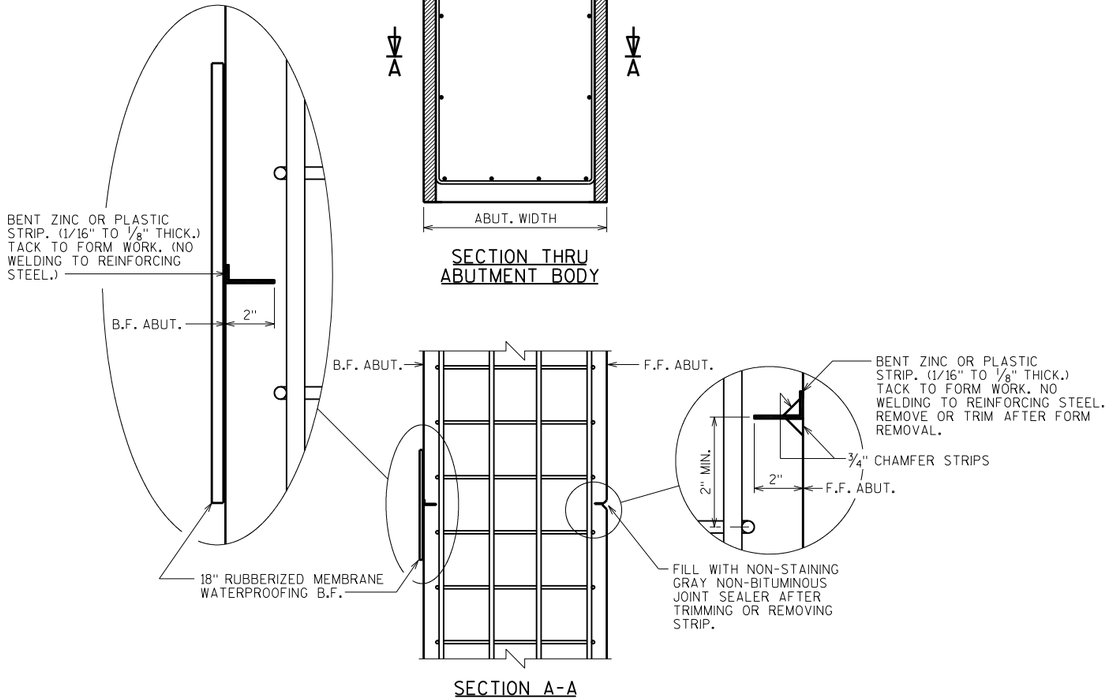
8

8

STATE PROJECT NUMBER
1146-75-71



SECTION THRU ABUTMENT BODY



SECTION A-A

ALTERNATE CONSTRUCTION JOINT AT ABUTMENT

NOTES

PARTIAL ZINC OR PLASTIC BULKHEAD MAY BE USED AS ALTERNATE CONSTRUCTION JOINT, WITH THE PERMISSION OF THE ENGINEER, AT THE CONTRACTOR'S EXPENSE.

VERTICAL CONSTRUCTION JOINT KEYWAY IS NOT REQUIRED WHEN USING ALTERNATE CONSTRUCTION JOINT.

CARE IS TO BE USED IN CASTING CONCRETE AROUND BULKHEAD TO PREVENT DISLOCATION OR MISALIGNMENT OF THE BULKHEAD.

SAW CUTTING JOINT IS NOT ALLOWED.

① USE A JOINT TOOL TO CONSTRUCT A CONTRACTION JOINT APPROXIMATELY 1/2" DEEP.

APPROVED FOR DESIGN OF UTILITY ADJUSTMENTS OCTOBER 2015

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-44-292

DRAWN BY	SEW	PLANS CK'D.

ALTERNATE CONSTRUCTION JOINT

SHEET 22

PRE_185

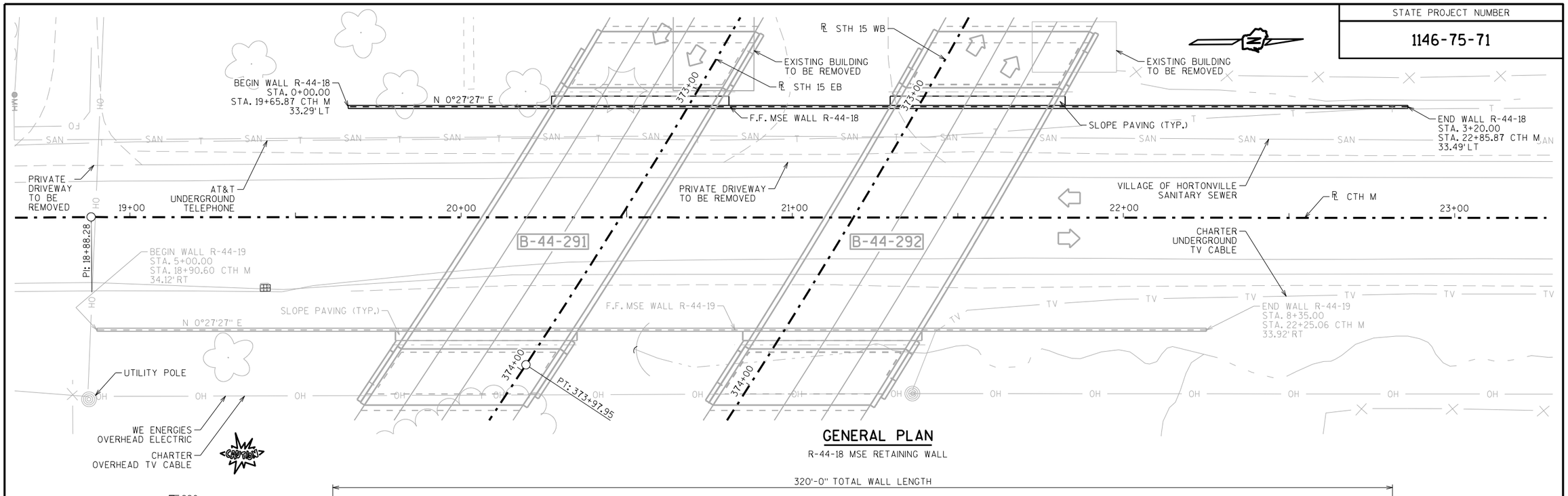
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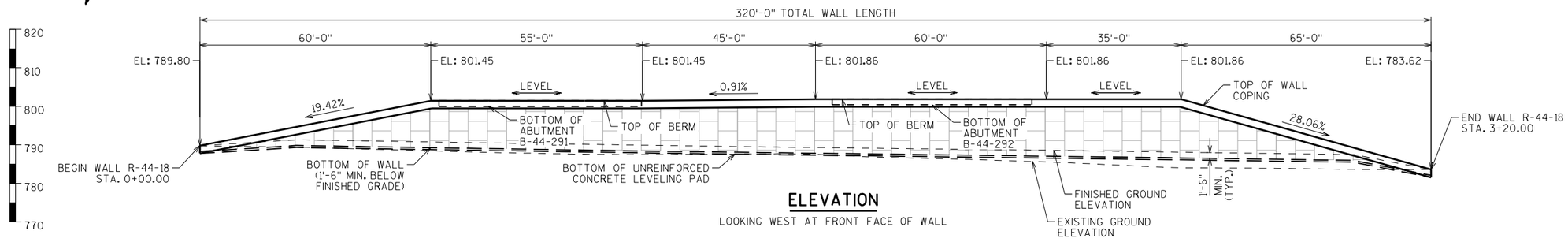
STATE PROJECT NUMBER

1146-75-71



GENERAL PLAN

R-44-18 MSE RETAINING WALL



ELEVATION

LOOKING WEST AT FRONT FACE OF WALL

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

BAR STEEL REINFORCEMENT SHALL HAVE 2" CLEAR COVER UNLESS OTHERWISE SHOWN OR NOTED.

BEVEL ALL EXPOSED EDGES OF CONCRETE ¾" UNLESS NOTED OTHERWISE.

THE COST OF FURNISHING AND PLACING MSE BACKFILL WITHIN THE REINFORCED SOIL ZONE IS TO BE INCLUDED IN THE BID ITEM "WALL CONCRETE PANEL MECHANICALLY STABILIZED EARTH LRFD/OMP".

ALL WALL STATIONING AND OFFSETS ARE GIVEN AT THE FRONT FACE OF WALLS.

THE CONTRACTOR MUST COORDINATE THE CONSTRUCTION OF RETAINING WALLS R-44-18/19 WITH THE ABUTMENTS OF BRIDGES B-44-291/292.

THE PLAN QUANTITY FOR THE ITEM "WALL CONCRETE PANEL MECHANICALLY STABILIZED EARTH LRFD/OMP" IS BASED ON A WALL HEIGHT MEASURED FROM THE TOP OF WALL TO THE TOP OF THE LEVELING PAD, SET AT A CONSTANT DEPTH OF 1'-6" BELOW FINISHED GRADE. WALL AREAS CONSTRUCTED OUTSIDE THESE LIMITS WILL NOT BE MEASURED FOR PAYMENT.

THE QUANTITY OF CONCRETE MASONRY, REINFORCING STEEL, AND RUBBERIZED MEMBRANE WATERPROOFING FOR THE CAST-IN-PLACE COPING, IS PAID FOR UNDER THE ITEM "WALL CONCRETE PANEL MECHANICALLY STABILIZED EARTH LRFD/OMP".

DESIGN DATA

THE CONTRACTOR SHALL PROVIDE COMPLETE DESIGN, PLANS, DETAILS, SPECIFICATIONS, AND SHOP DRAWINGS FOR THE RETAINING WALLS IN ACCORDANCE WITH THE SPECIAL PROVISIONS. THE RETAINING WALL MANUFACTURER SHALL PROVIDE TECHNICAL ASSISTANCE TO THE CONTRACTOR DURING CONSTRUCTION. THE COST OF FURNISHING THESE ITEMS SHALL BE INCLUDED IN THE BID ITEM "WALL CONCRETE PANEL MECHANICALLY STABILIZED EARTH LRFD/OMP".

PLANS, ELEVATIONS, AND DETAILS SHOWN ON THESE PLANS ARE INTENDED TO INDICATE WALL LOCATIONS, LENGTHS, HEIGHTS, AND DETAILS COMMON TO THE WALL SYSTEM SELECTED. THE CONTRACTOR SHALL VERIFY THAT THE WALL SYSTEM SELECTED WILL CONFORM TO THE REQUIRED ALIGNMENTS AND DETAILS.

THE RETAINING WALL SHALL BE DESIGNED USING THE ELEVATIONS GIVEN ON THIS SHEET AND THE GEOMETRY TABLE ON SHEET 2.

DESIGN FOR RETAINING WALL TO PROVIDE FOR FINISHED GRADE SLOPED BEHIND WALL AS SHOWN.

DESIGN RETAINING WALL FOR A LIVE LOAD SURCHARGE OF 240 PSF.

THE MAXIMUM VALUE OF THE ANGLE OF INTERNAL FRICTION OF THE WALL BACKFILL MATERIAL IN THE REINFORCED ZONE SHALL BE ASSUMED TO BE 30° WITHOUT CERTIFIED TEST VALUES.

ALLOWABLE WALL SYSTEMS

WALL CONCRETE PANEL MSE LRFD/OMP

MATERIAL PROPERTIES:

CONCRETE MASONRY (COPING) ——————f'c = 3,500 P.S.I.

BAR STEEL REINFORCEMENT, GRADE 60 —fy = 60,000 P.S.I.

LIST OF DRAWINGS

1. GENERAL PLAN
2. QUANTITIES, WALL DATA & PROFILES
3. WALL DETAILS
4. SUBSURFACE EXPLORATION

STRUCTURE DESIGN CONTACTS:

STACIE WEIS (608) 261-6109

AARON BONK (608) 261-0261

NO.	DATE	REVISION	BY

APPROVED FOR DESIGN OF UTILITY ADJUSTMENTS OCTOBER 2019

BUREAU OF STRUCTURES

ACCEPTED _____ CHIEF STRUCTURES DESIGN ENGINEER _____ DATE

STRUCTURE R-44-18

MSE WALL ALONG B-44-291/292 WEST ABUTMENTS

COUNTY	TOWN
OUTAGAMIE	HORTONIA

DESIGN SPEC. AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS

DESIGNED BY	DESIGNED CK'D.	DRAWN BY	PLANS CK'D.
SEW	SAD	SEW	

GENERAL PLAN

SHEET 1 OF 4

PRE_186

I.D. 1176-75-00N

DATE: JAN. 2017

SCALE = 15.00

STATE PROJECT NUMBER
1146-75-71

SOIL PARAMETERS

SOIL DESCRIPTIONS	FRICTION ANGLE (DEGREES)	EFFECTIVE COHESION (PSF)	UNIT WEIGHT (PCF)
GRANULAR BACKFILL BEHIND THE WALL IN THE REINFORCING ZONE	30	0	120
FILL, GRANULAR (BEHIND AND BELOW THE REINFORCING ZONE)	31	0	120
BORING B-332, STA. 1+10			
NEW FILL EL. 809.0 TO EL. 786.0	30	0	125
MEDIUM DENSE SAND EL. 786.0 TO EL. 777.0	33	0	128
VERY STIFF CLAY EL. 777.0 TO EL. 773.0	32	100	135
WEATHERED ROCK/BEDROCK EL. 773.0 AND BELOW	45	0	150
BORING B-334, STA. 2+15			
NEW FILL EL. 809.0 TO EL. 786.0	30	0	125
MEDIUM DENSE SAND EL. 786.0 TO EL. 778.0	33	0	128
VERY STIFF CLAY EL. 778.0 TO EL. 773.0	32	100	135
WEATHERED ROCK/BEDROCK EL. 773.0 AND BELOW	45	0	150
BORING B-348, STA. 2+55			
NEW FILL EL. 809.0 TO EL. 783.0	30	0	125
MEDIUM DENSE SAND EL. 783.0 TO EL. 773.0	33	0	128
STIFF CLAY EL. 773.0 TO EL. 767.0	31	75	135
WEATHERED ROCK/BEDROCK EL. 767.0 AND BELOW	45	0	150

WALL EXTERNAL & OVERALL STABILITY EVALUATION

DIMENSIONS			
WALL HEIGHT (FEET)[1]	13.0	14.7	15.3
EXPOSED WALL HEIGHT (FEET)	11.5	13.2	13.8
MINIMUM LENGTH OF REINFORCEMENT (FEET)[3]	0.8	0.8	0.8
WALL STATION	1+10	2+15	2+55
BORING USED	B-332	B-334	B-348
CAPACITY TO DEMAND RATIO (CDR)[4]			
SLIDING (CDR > 1.0)	1.6	1.58	1.11
ECCENTRICITY (CDR > 1.0)	6.04	>10	2.32
OVERALL STABILITY (CDR > 1.0)	1.02	1	1
BEARING RESISTANCE (CDR > 1.0)	5.98	5.98	5.98
FACTORED BEARING RESISTANCE (KSF)	6.6	6.6	6.6

NOTES:
1. THE WALL HEIGHT INCLUDES AN EMBEDMENT OF 1.5 FEET.
2. THE WALL STABILITY EVALUATION INCLUDED A SURCHARGE LOAD THAT WAS EQUAL TO THE WEIGHT OF THE SOIL BEHIND THE ABUTMENT.
3. THE LENGTH OF REINFORCEMENT IS THE MINIMUM REQUIRED LENGTH.
4. CDR REQUIREMENTS AND LOAD AND RESISTANCE FACTORS ARE PRESENTED IN CHAPTER 14 OF THE BRIDGE MANUAL.
5. NA = NOT APPLICABLE, GLOBAL STABILITY WAS EVALUATED AT THE CRITICAL WALL LOCATION.
6. FINAL DESIGN FOR INTERNAL STABILITY, EXTERNAL SLIDING, AND ECCENTRICITY AT OTHER WALL STATIONS IS THE RESPONSIBILITY OF THE CONTRACTOR'S WALL DESIGNER.

GEOMETRY TABLE

SEGMENT	WALL STATION	℄ CTH M STATION	OFFSET TO F.F. WALL	TOP OF WALL ELEV.	FINISHED GRADE ELEV.	EXISTING GRADE ELEV.
A	0+00.00	19+65.87 'CTH M'	33.29 'LT'	789.80	789.80	789.74
	0+25.00	19+90.87 'CTH M'	33.31 'LT'	794.65	791.33	789.45
	0+50.00	20+15.87 'CTH M'	33.32 'LT'	799.51	790.94	788.78
B	0+60.00	20+25.87 'CTH M'	33.33 'LT'	801.45	790.78	788.46
	0+75.00	20+40.87 'CTH M'	33.34 'LT'	801.45	790.54	788.02
	1+00.00	20+65.87 'CTH M'	33.35 'LT'	801.45	790.15	787.60
C	1+15.00	20+80.87 'CTH M'	33.36 'LT'	801.45	789.93	787.50
	1+25.00	20+90.87 'CTH M'	33.37 'LT'	801.54	789.79	787.52
	1+50.00	21+15.87 'CTH M'	33.38 'LT'	801.77	789.45	787.67
D	1+60.00	21+25.87 'CTH M'	33.39 'LT'	801.86	789.34	787.58
	1+75.00	21+40.87 'CTH M'	33.40 'LT'	801.86	789.17	786.87
	2+00.00	21+65.87 'CTH M'	33.41 'LT'	801.86	788.86	786.25
E	2+20.00	21+85.87 'CTH M'	33.43 'LT'	801.86	788.60	785.63
	2+25.00	21+90.87 'CTH M'	33.43 'LT'	801.86	788.53	785.39
	2+50.00	22.15+87 'CTH M'	33.44 'LT'	801.86	788.18	784.20
F	2+55.00	22+20.87 'CTH M'	33.45 'LT'	801.86	788.11	784.06
	2+75.00	22+40.87 'CTH M'	33.46 'LT'	796.25	787.82	783.94
	3+00.00	22+65.87 'CTH M'	33.47 'LT'	789.23	787.50	783.64
	3+20.00	22+85.87 'CTH M'	33.49 'LT'	783.62	783.62	783.62

NOTE: STATIONS & OFFSET DISTANCES ARE TO FRONT FACE OF WALL.

TOTAL ESTIMATED QUANTITIES

BID ITEM NUMBER	BID ITEMS	UNIT	TOTALS
612.0406	PIPE UNDERDRAIN WRAPPED 6-INCH	LF	360
SPV.0165	WALL CONCRETE PANEL MECHANICALLY STABILIZED EARTH LRFD/QMP	SF	3051
	NON-BID ITEMS		
	PREFORMED JOINT FILLER	SIZE	3/4"
	NON-BITUMINOUS JOINT SEALER	SIZE	1"
	EXPANDED POLYSTYRENE	SIZE	1"
	CORK FILLER	SIZE	1"

CURVE DATA

STH 15: EB-12
P.I. = 368+34.14
Δ = 32°34'40"
D = 2°48'31"
T = 596.11
L = 1159.92
R = 2040.00
S.E. = VARIES
P.C. = 362+38.03
P.T. = 373+97.95

STH 15: WB-12
P.I. = 368+51.67
Δ = 32°34'40"
D = 2°43'42"
T = 613.64
L = 1194.04
R = 2100.00
S.E. = VARIES
P.C. = 362+38.03
P.T. = 373+97.95 (AHEAD)
374+32.06 (BACK)

CTH M EXISTING ELEVATIONS

STATION	℄ ELEVATION
20+00.00	791.18
20+25.00	790.78
20+50.00	790.39
20+75.00	790.01
21+00.00	789.67
21+25.00	789.33
21+50.00	789.07
21+75.00	788.75
22+00.00	788.42

NOTE: EXISTING ELEVATIONS PROVIDED FOR INFORMATIONAL PURPOSES ONLY.

APPROVED FOR DESIGN OF UTILITY ADJUSTMENTS OCTOBER 2019

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE R-44-18

DRAWN BY SEW | PLANS CK'D.

QUANTITIES, WALL DATA & PROFILES

SHEET 2

PRE_187

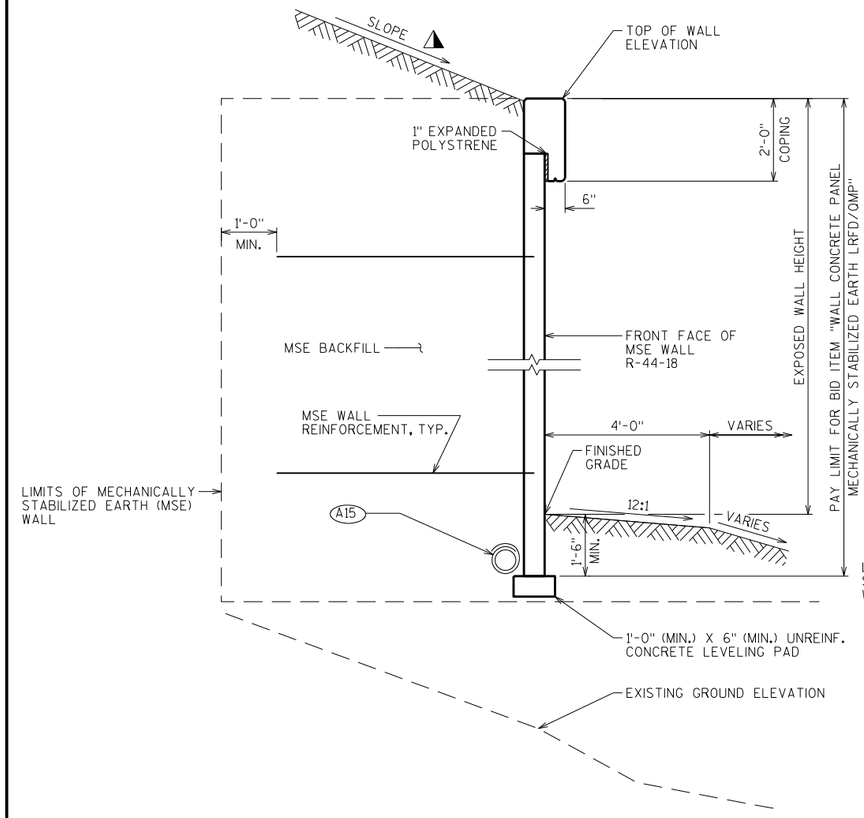
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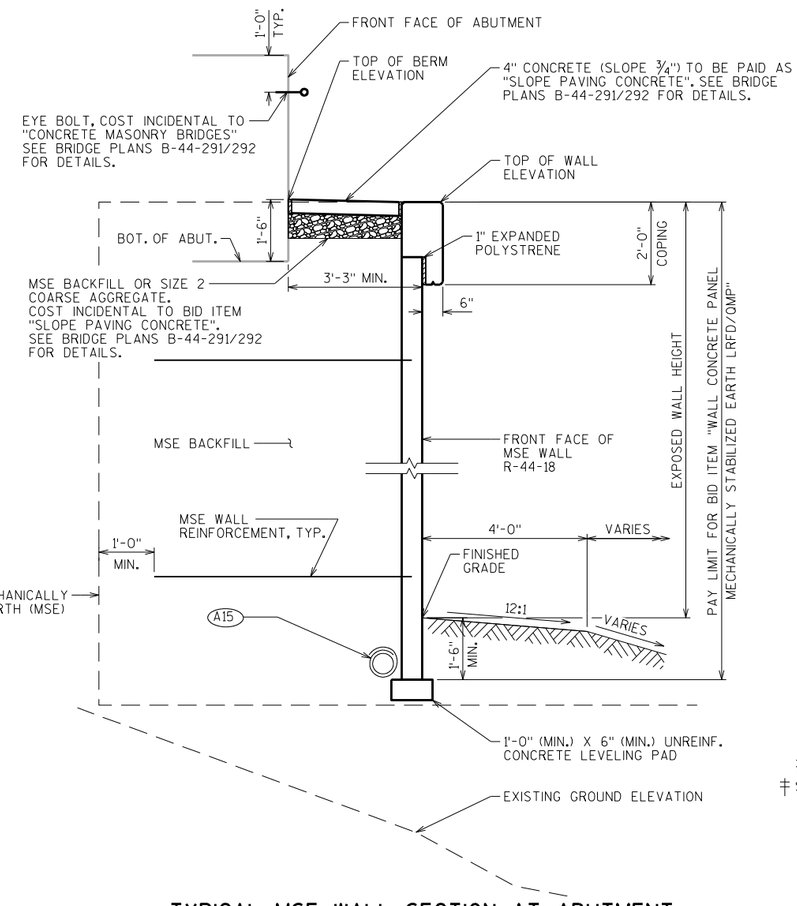
STATE PROJECT NUMBER

1146-75-71



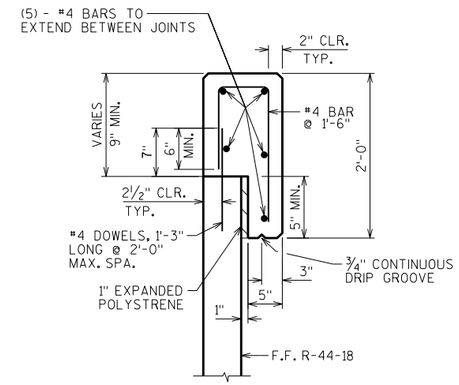
TYPICAL MSE WALL SECTION WITH NO ABUTMENT

LOOKING NORTH



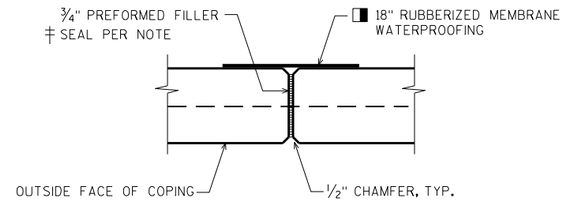
TYPICAL MSE WALL SECTION AT ABUTMENT

LOOKING NORTH



CAST-IN-PLACE CONCRETE COPING DETAIL

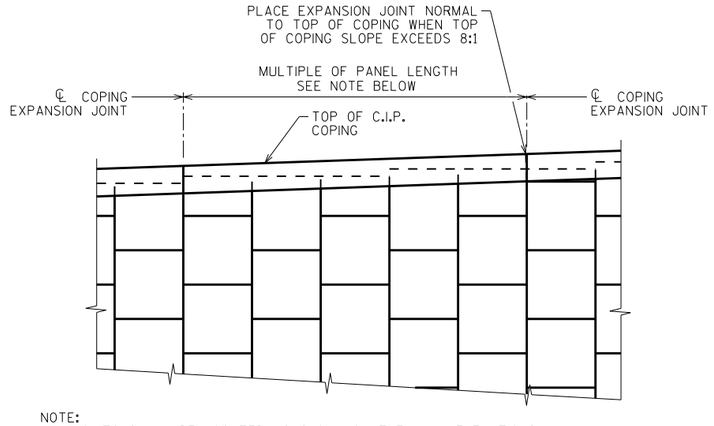
‡ SEAL ALL EXPOSED HORIZ. & VERT. SURFACES OF FILLER WITH NON-STAINING GRAY NON-BITUMINOUS JOINT SEALER. (1" DEEP AND HOLD ⅛" BELOW SURFACE OF CONC.)



COPING EXPANSION JOINT

DO NOT RUN BAR STEEL THRU JOINT.
MAX. SPACING OF JOINT = 50'

MEMBRANE WATERPROOFING TO EXTEND FROM TOP OF COPING TO 6" BELOW TOP OF PANELS.

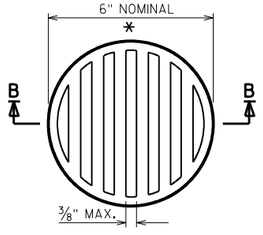


NOTE:
ALL JOINTS SHALL BE LOCATED AS SHOWN ON THE WALL ELEVATIONS AND MUST COINCIDE WITH PANEL JOINT ON FRONT FACE.

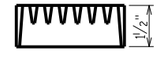
C.I.P. CONCRETE COPING PARTIAL ELEVATION

(A15) PIPE UNDERDRAIN WRAPPED 6-INCH. SLOPE 0.5% MIN. TO SUITABLE DRAINAGE. RODENT SCREEN REQUIRED.

SLOPE BEHIND MSE WALL VARIES. SEE ROADWAY PLANS FOR MORE INFORMATION.



RODENT SCREEN DETAIL

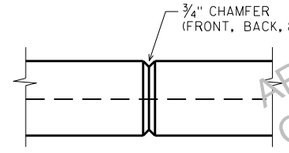


SECTION B-B

* DIMENSIONS ARE APPROXIMATE. THE GRATE IS SIZED TO FIT INTO A PIPE COUPLING. ORIENT SO SLOTS ARE VERTICAL.

THE RODENT SCREEN, PIPE COUPLING AND SCREWS SHALL BE CONSIDERED INCIDENTAL TO THE BID ITEM "PIPE UNDERDRAIN WRAPPED 6-INCH".

THE RODENT SCREEN SHALL BE A PVC GRATE SIMILAR TO THIS DETAIL. THE GRATE IS COMMERCIALLY AVAILABLE AS A FLOOR STRAINER. A PIPE COUPLING IS REQUIRED FOR THE ATTACHMENT OF THIS SCREEN TO THE EXPOSED END OF THE PIPE UNDERDRAIN. THE SCREEN SHALL BE FASTENED TO THE PIPE COUPLING WITH TWO OR MORE NO. 10 X 1-INCH SHEET METAL SCREWS.



COPING CONTRACTION JOINT

DO NOT RUN BAR STEEL THRU JOINT.
MAX. SPACING OF JOINT = 12'

APPROVED FOR DESIGN OF UTILITY ADJUSTMENTS OCTOBER 2019

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE R-44-18

DRAWN BY SEW | PLANS CK'D.

WALL DETAILS

SHEET 3

PRE_188

SCALE = 5.33

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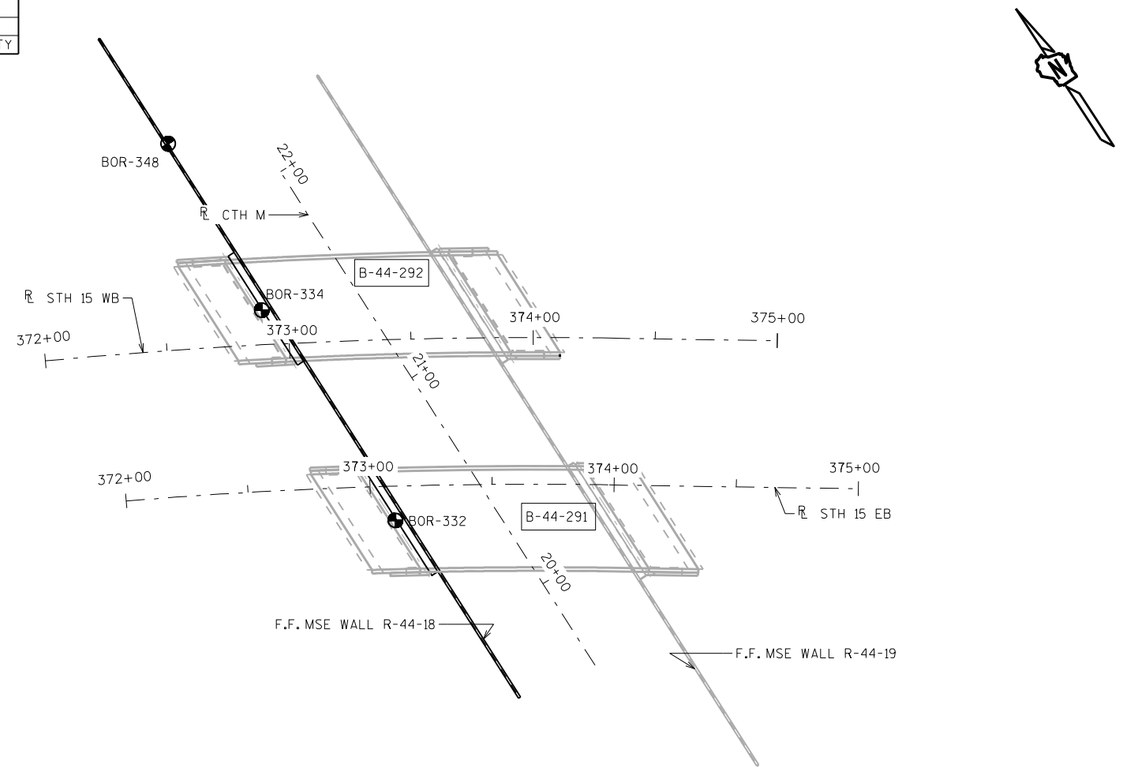
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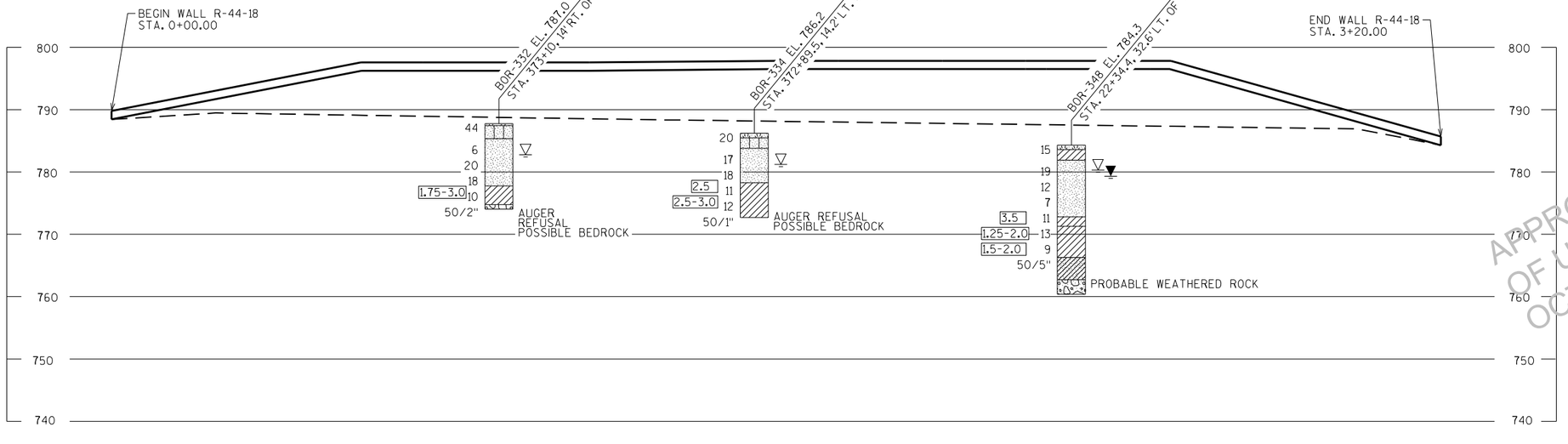
BORING #	DATE COMPLETED	NORTHING (Y)	EASTING (X)
332	2/27/2014	592755	767493
334	2/27/2014	592857	767494
348	2/27/2014	592935	767499

BORINGS COMPLETED BY: GESTRA

REPORT COMPLETED BY: CH2M HILL

ALL COORDINATES REFERENCED TO WCCS NAD 83(91) OUTAGAMIE COUNTY





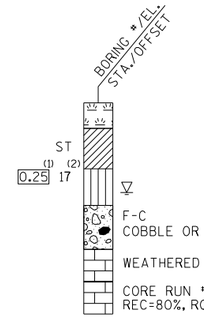
STATE PROJECT NUMBER

1146-75-71

MATERIAL SYMBOLS

ASPHALT · TOPSOIL · PEAT
CONCRETE · FILL · GRAVEL
SAND · CLAY · SILT
BOULDERS OR COBBLES · LIMESTONE · BEDROCK (UNKNOWN)
SHALE · SANDSTONE · IGNEOUS/META

LEGEND OF BORING



(1) UNCONFINED STRENGTH, AS DETERMINED BY A POCKET PENETROMETER (TSF)

(2) UNLESS OTHERWISE SPECIFIED THE SPT 'N' VALUE IS BASED ON AASHTO T-206, STANDARD PENETRATION TEST. THE SPT 'N' VALUE PRESENTED HAS NOT BEEN CORRECTED FOR OVERBURDEN PRESSURE OR HAMMER EFFICIENCY.

GROUND WATER ELEVATION

▽ AT TIME OF DRILLING
▼ END OF DRILLING
▽ AFTER DRILLING

ABBREVIATIONS

F-FINE · M-MEDIUM · C-COARSE · ST-SHELBY TUBE

SUBSURFACE EXPLORATION FOR FOUNDATION DESIGN AND BIDDERS INFORMATION

BORINGS WERE COMPLETED AT POINTS APPROXIMATELY AS INDICATED ON THIS DRAWING TO OBTAIN INFORMATION CONCERNING THE CHARACTER OF SUBSURFACE MATERIALS FOUND AT THE SITE. BECAUSE THE INVESTIGATED DEPTHS ARE LIMITED AND THE AREA OF THE BORINGS IS VERY SMALL IN RELATION TO THE ENTIRE SITE, THE WISCONSIN DEPARTMENT OF TRANSPORTATION DOES NOT WARRANT SIMILAR SUBSURFACE CONDITIONS BELOW, BETWEEN, OR BEYOND THESE BORINGS. VARIATIONS IN SOIL CONDITIONS SHOULD BE EXPECTED AND FLUCTUATIONS IN GROUNDWATER LEVELS MAY OCCUR.

APPROVED FOR USE OF UTILITY ACCOMMODATION OCTOBER 2019

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE R-44-18

DRAWN BY TLP/SEW | PLANS CK'D.

SUBSURFACE EXPLORATION

SHEET 4

PRE_189

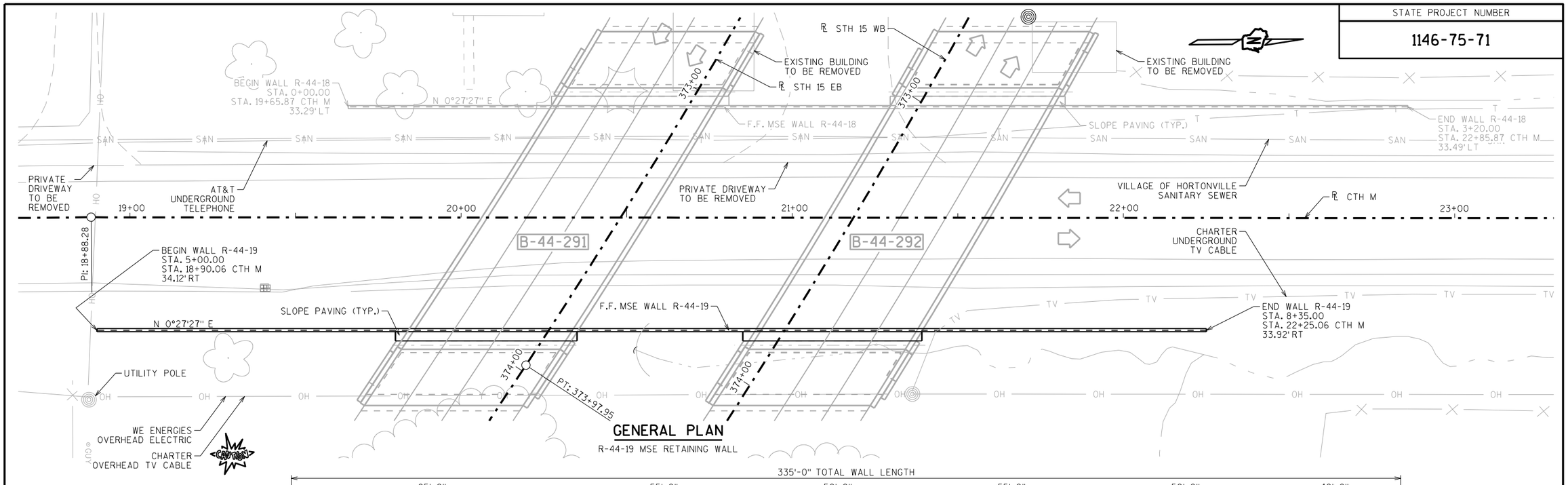
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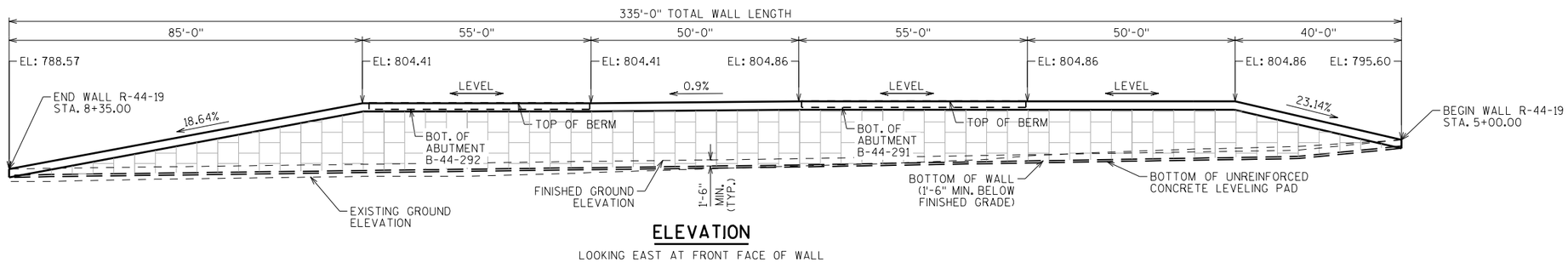
STATE PROJECT NUMBER

1146-75-71



GENERAL PLAN

R-44-19 MSE RETAINING WALL



ELEVATION

LOOKING EAST AT FRONT FACE OF WALL

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

BAR STEEL REINFORCEMENT SHALL HAVE 2" CLEAR COVER UNLESS OTHERWISE SHOWN OR NOTED.

BEVEL ALL EXPOSED EDGES OF CONCRETE ¾" UNLESS NOTED OTHERWISE.

THE COST OF FURNISHING AND PLACING MSE BACKFILL WITHIN THE REINFORCED SOIL ZONE IS TO BE INCLUDED IN THE BID ITEM "WALL CONCRETE PANEL MECHANICALLY STABILIZED EARTH LRFD/QMP".

ALL WALL STATIONING AND OFFSETS ARE GIVEN AT THE FRONT FACE OF WALLS.

THE CONTRACTOR MUST COORDINATE THE CONSTRUCTION OF RETAINING WALLS R-44-18/19 WITH THE ABUTMENTS OF BRIDGES B-44-291/292.

THE PLAN QUANTITY FOR THE ITEM "WALL CONCRETE PANEL MECHANICALLY STABILIZED EARTH LRFD/QMP" IS BASED ON A WALL HEIGHT MEASURED FROM THE TOP OF WALL TO THE TOP OF THE LEVELING PAD, SET AT A CONSTANT DEPTH OF 1'-6" BELOW FINISHED GRADE. WALL AREAS CONSTRUCTED OUTSIDE THESE LIMITS WILL NOT BE MEASURED FOR PAYMENT.

THE QUANTITY OF CONCRETE MASONRY, REINFORCING STEEL, AND RUBBERIZED MEMBRANE WATERPROOFING FOR THE CAST-IN-PLACE COPING, IS PAID FOR UNDER THE ITEM "WALL CONCRETE PANEL MECHANICALLY STABILIZED EARTH LRFD/QMP".

DESIGN DATA

THE CONTRACTOR SHALL PROVIDE COMPLETE DESIGN, PLANS, DETAILS, SPECIFICATIONS, AND SHOP DRAWINGS FOR THE RETAINING WALLS IN ACCORDANCE WITH THE SPECIAL PROVISIONS. THE RETAINING WALL MANUFACTURER SHALL PROVIDE TECHNICAL ASSISTANCE TO THE CONTRACTOR DURING CONSTRUCTION. THE COST OF FURNISHING THESE ITEMS SHALL BE INCLUDED IN THE BID ITEM "WALL CONCRETE PANEL MECHANICALLY STABILIZED EARTH LRFD/QMP".

PLANS, ELEVATIONS, AND DETAILS SHOWN ON THESE PLANS ARE INTENDED TO INDICATE WALL LOCATIONS, LENGTHS, HEIGHTS, AND DETAILS COMMON TO THE WALL SYSTEM SELECTED. THE CONTRACTOR SHALL VERIFY THAT THE WALL SYSTEM SELECTED WILL CONFORM TO THE REQUIRED ALIGNMENTS AND DETAILS.

THE RETAINING WALL SHALL BE DESIGNED USING THE ELEVATIONS GIVEN ON THIS SHEET AND THE GEOMETRY TABLE ON SHEET 2.

DESIGN FOR RETAINING WALL TO PROVIDE FOR FINISHED GRADE SLOPED BEHIND WALL AS SHOWN.

DESIGN RETAINING WALL FOR A LIVE LOAD SURCHARGE OF 240 PSF.

THE MAXIMUM VALUE OF THE ANGLE OF INTERNAL FRICTION OF THE WALL BACKFILL MATERIAL IN THE REINFORCED ZONE SHALL BE ASSUMED TO BE 30° WITHOUT CERTIFIED TEST VALUES.

ALLOWABLE WALL SYSTEMS

WALL CONCRETE PANEL MSE LRFD/QMP

MATERIAL PROPERTIES:

CONCRETE MASONRY (COPING) ——— f'c = 3,500 P.S.I.

BAR STEEL REINFORCEMENT, GRADE 60 — fy = 60,000 P.S.I.

LIST OF DRAWINGS

1. GENERAL PLAN
2. QUANTITIES, WALL DATA & PROFILES
3. WALL DETAILS
4. SUBSURFACE EXPLORATION

STRUCTURE DESIGN CONTACTS:

STACIE WEIS (608) 261-6109

AARON BONK (608) 261-0261

APPROVED FOR DESIGN OF UTILITY ADJUSTMENTS OCTOBER 2019

NO.	DATE	REVISION	BY

BUREAU OF STRUCTURES

ACCEPTED _____ CHIEF STRUCTURES DESIGN ENGINEER _____ DATE

STRUCTURE R-44-19

MSE WALL ALONG B-44-291/292 EAST ABUTMENTS

COUNTY	VILLAGE
OUTAGAMIE	HORTONVILLE

DESIGN SPEC. AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS

DESIGNED BY	SEW	DESIGNED CK'D.	SAD	DRAWN BY	SEW	PLANS CK'D.	

GENERAL PLAN

SHEET 1 OF 4

PRE_190

I.D. 1176-75-000 DATE: JAN. 2017

SCALE = 15.00

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STATE PROJECT NUMBER

1146-75-71

SOIL PARAMETERS

SOIL DESCRIPTIONS	FRICTION ANGLE (DEGREES)	EFFECTIVE COHESION (PSF)	UNIT WEIGHT (PCF)
GRANULAR BACKFILL BEHIND THE WALL IN THE REINFORCING ZONE	30	0	120
FILL, GRANULAR BEHIND AND BELOW THE REINFORCING ZONE	31	0	120
BORING B-333, STA. 6+40			
NEW FILL EL. 812.0 TO EL. 791.0	30	0	125
MEDIUM DENSE SAND EL. 791.0 TO EL. 780.0	34	0	128
VERY DENSE SAND AND GRAVEL EL. 780.0 TO EL. 772.0	36	0	135
WEATHERED ROCK/BEDROCK EL. 772.0 AND BELOW	45	0	150
BORING B-335, B-349 STA. 7+40			
NEW FILL EL. 812.0 TO EL. 786.0	30	0	125
MEDIUM DENSE SAND EL. 786.0 TO EL. 781.0	32	0	128
VERY STIFF CLAY EL. 781.0 TO EL. 775.0	32	100	140
WEATHERED ROCK/BEDROCK EL. 775.0 AND BELOW	45	0	150

WALL EXTERNAL & OVERALL STABILITY EVALUATION

DIMENSIONS		
WALL HEIGHT (FEET) [1]	15.2	16.0
EXPOSED WALL HEIGHT (FEET)	13.7	14.5
MINIMUM LENGTH OF REINFORCEMENT (FEET) [3]	0.7	0.75
WALL STATION	6+40	7+40
BORING USED	B-333	B-335, B349
CAPACITY TO DEMAND RATIO (CDR) [4]		
SLIDING (CDR > 1.0)	1.35	1.49
ECCENTRICITY (CDR > 1.0)	>10	>10
OVERALL STABILITY (CDR > 1.0)	1.01	1.00
BEARING RESISTANCE (CDR > 1.0)	3.82	4.07
FACTORED BEARING RESISTANCE (KSF)	15.6	18.3

NOTES:
1. THE WALL HEIGHT INCLUDES AN EMBEDMENT OF 1.5 FEET.
2. THE WALL STABILITY EVALUATION INCLUDED A SURCHARGE LOAD THAT WAS EQUAL TO THE WEIGHT OF THE SOIL BEHIND THE ABUTMENT.
3. THE LENGTH OF REINFORCEMENT IS THE MINIMUM REQUIRED LENGTH.
4. CDR REQUIREMENTS AND LOAD AND RESISTANCE FACTORS ARE PRESENTED IN CHAPTER 14 OF THE BRIDGE MANUAL.
5. NA = NOT APPLICABLE, GLOBAL STABILITY WAS EVALUATED AT THE CRITICAL WALL LOCATION.
6. FINAL DESIGN FOR INTERNAL STABILITY, EXTERNAL SLIDING, AND ECCENTRICITY AT OTHER WALL STATIONS IS THE RESPONSIBILITY OF THE CONTRACTOR'S WALL DESIGNER.

GEOMETRY TABLE

SEGMENT	WALL STATION	℄ CTH M STATION	OFFSET TO F.F. WALL	TOP OF WALL ELEV.	FINISHED GRADE ELEV.	EXISTING GRADE ELEV.
A	5+00.00	18+90.06 'CTH M'	34.12 'RT'	795.60	795.60	795.60
	5+25.00	19+15.06 'CTH M'	34.11 'RT'	800.65	793.13	794.01
B	5+40.00	19+30.06 'CTH M'	34.10 'RT'	804.86	792.90	793.65
	5+50.00	19+40.06 'CTH M'	34.09 'RT'	804.86	792.73	793.39
	5+75.00	19+65.06 'CTH M'	34.08 'RT'	804.86	792.31	792.52
C	5+90.00	19+80.06 'CTH M'	34.07 'RT'	804.86	792.04	791.73
	6+00.00	19+90.06 'CTH M'	34.06 'RT'	804.86	791.85	790.92
	6+25.00	20+15.06 'CTH M'	34.05 'RT'	804.86	791.41	789.84
D	6+45.00	20+35.06 'CTH M'	34.03 'RT	804.86	791.09	789.32
	6+50.00	20+40.06 'CTH M'	34.03 'RT'	804.82	791.03	789.20
	6+75.00	20+65.06 'CTH M'	34.02 'RT'	804.59	790.70	788.43
E	6+95.00	20+85.06 'CTH M'	34.00 'RT'	804.41	790.43	787.72
	7+00.00	20+90.06 'CTH M'	34.00 'RT'	804.41	790.37	787.53
	7+25.00	21+15.06 'CTH M'	33.99 'RT'	804.41	790.07	786.85
F	7+50.00	21+40.06 'CTH M'	33.97 'RT'	804.41	789.77	786.83
	7+75.00	21+65.06 'CTH M'	33.95 'RT'	799.75	789.45	786.47
	8+00.00	21+90.06 'CTH M'	33.94 'RT'	795.09	789.11	786.15
	8+25.00	22+15.06 'CTH M'	33.92 'RT'	790.43	788.76	785.63
	8+35.00	22+25.06 'CTH M'	33.92 'RT'	788.57	788.57	785.58

NOTE: STATIONS & OFFSET DISTANCES ARE TO FRONT FACE OF WALL.

TOTAL ESTIMATED QUANTITIES

BID ITEM NUMBER	BID ITEMS	UNIT	TOTALS
612.0406	PIPE UNDERDRAIN WRAPPED 6-INCH	LF	375
SPV.0165	WALL CONCRETE PANEL MECHANICALLY STABILIZED EARTH LRFD/QMP	SF	4210
	NON-BID ITEMS		
	PREFORMED JOINT FILLER	SIZE	3/4"
	NON-BITUMINOUS JOINT SEALER	SIZE	1"
	EXPANDED POLYSTYRENE	SIZE	1"
	CORK FILLER	SIZE	1"

CURVE DATA

STH 15: EB-12
P.I. = 368+34.14
△ = 32°34'40"
D = 2°48'31"
T = 596.11
L = 1159.92
R = 2040.00
S.E. = VARIES
P.C. = 362+38.03
P.T. = 373+97.95

STH 15: WB-12
P.I. = 368+51.67
△ = 32°34'40"
D = 2°43'42"
T = 613.64
L = 1194.04
R = 2100.00
S.E. = VARIES
P.C. = 362+38.03
P.T. = 373+97.95 (AHEAD)
374+32.06 (BACK)

CTH M EXISTING ELEVATIONS

STATION	℄ ELEVATION
20+00.00	791.18
20+25.00	790.78
20+50.00	790.39
20+75.00	790.01
21+00.00	789.67
21+25.00	789.33
21+50.00	789.07
21+75.00	788.75
22+00.00	788.42

NOTE: EXISTING ELEVATIONS PROVIDED FOR INFORMATIONAL PURPOSES ONLY.

APPROVED FOR DESIGN OF UTILITY ADJUSTMENTS OCTOBER 2019

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE R-44-19

DRAWN BY SEW | PLANS CK'D.

QUANTITIES, WALL DATA & PROFILES

SHEET 2

PRE_191

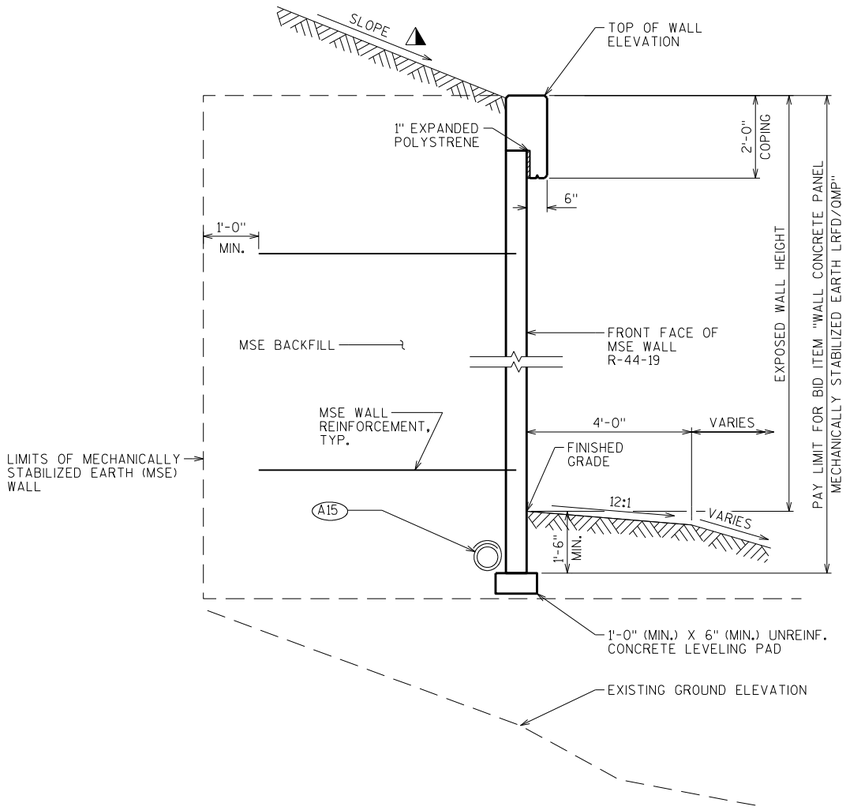
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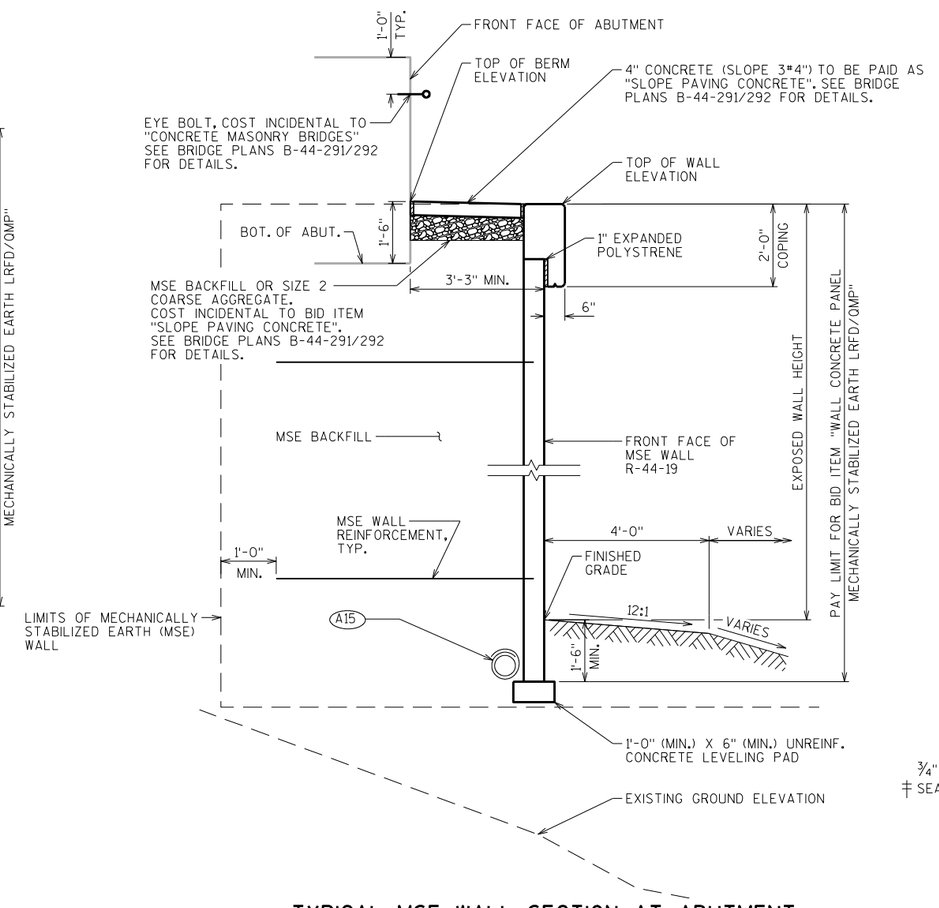
STATE PROJECT NUMBER

1146-75-71



TYPICAL MSE WALL SECTION WITH NO ABUTMENT

LOOKING NORTH

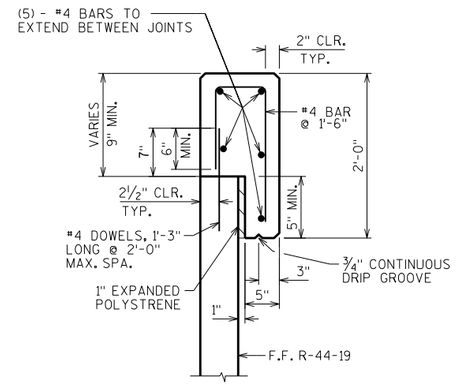


TYPICAL MSE WALL SECTION AT ABUTMENT

LOOKING NORTH

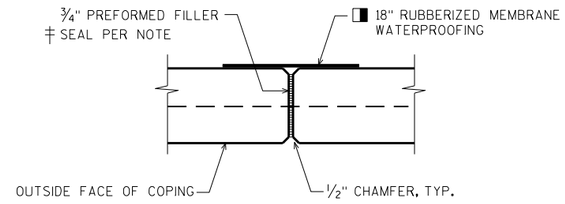
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SLOPE BEHIND MSE WALL VARIES. SEE ROADWAY PLANS FOR MORE INFORMATION.



CAST-IN-PLACE CONCRETE COPING DETAIL

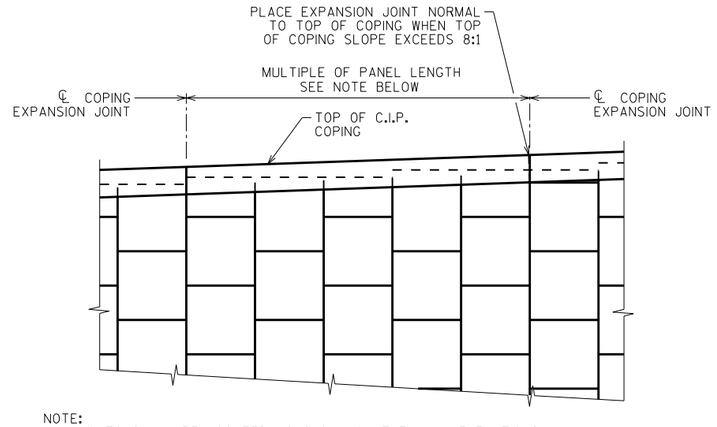
‡ SEAL ALL EXPOSED HORIZ. & VERT. SURFACES OF FILLER WITH NON-STAINING GRAY NON-BITUMINOUS JOINT SEALER. (1" DEEP AND HOLD ⅛" BELOW SURFACE OF CONC.)



COPING EXPANSION JOINT

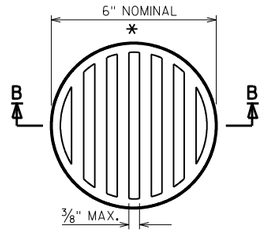
DO NOT RUN BAR STEEL THRU JOINT.
MAX. SPACING OF JOINT = 50'

MEMBRANE WATERPROOFING TO EXTEND FROM TOP OF COPING TO 6" BELOW TOP OF PANELS.

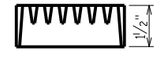


NOTE:
ALL JOINTS SHALL BE LOCATED AS SHOWN ON THE WALL ELEVATIONS AND MUST COINCIDE WITH PANEL JOINT ON FRONT FACE.

C.I.P. CONCRETE COPING PARTIAL ELEVATION



RODENT SCREEN DETAIL

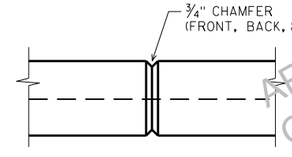


SECTION B-B

* DIMENSIONS ARE APPROXIMATE. THE GRATE IS SIZED TO FIT INTO A PIPE COUPLING. ORIENT SO SLOTS ARE VERTICAL.

THE RODENT SCREEN, PIPE COUPLING AND SCREWS SHALL BE CONSIDERED INCIDENTAL TO THE BID ITEM "PIPE UNDERDRAIN WRAPPED 6-INCH".

THE RODENT SCREEN SHALL BE A PVC GRATE SIMILAR TO THIS DETAIL. THE GRATE IS COMMERCIALLY AVAILABLE AS A FLOOR STRAINER. A PIPE COUPLING IS REQUIRED FOR THE ATTACHMENT OF THIS SCREEN TO THE EXPOSED END OF THE PIPE UNDERDRAIN. THE SCREEN SHALL BE FASTENED TO THE PIPE COUPLING WITH TWO OR MORE NO. 10 X 1-INCH SHEET METAL SCREWS.



COPING CONTRACTION JOINT

DO NOT RUN BAR STEEL THRU JOINT.
MAX. SPACING OF JOINT = 12'

APPROVED FOR DESIGN OF UTILITY ADJUSTMENTS OCTOBER 2019

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE R-44-19

DRAWN BY SEW | PLANS CK'D.

WALL DETAILS

SHEET 3

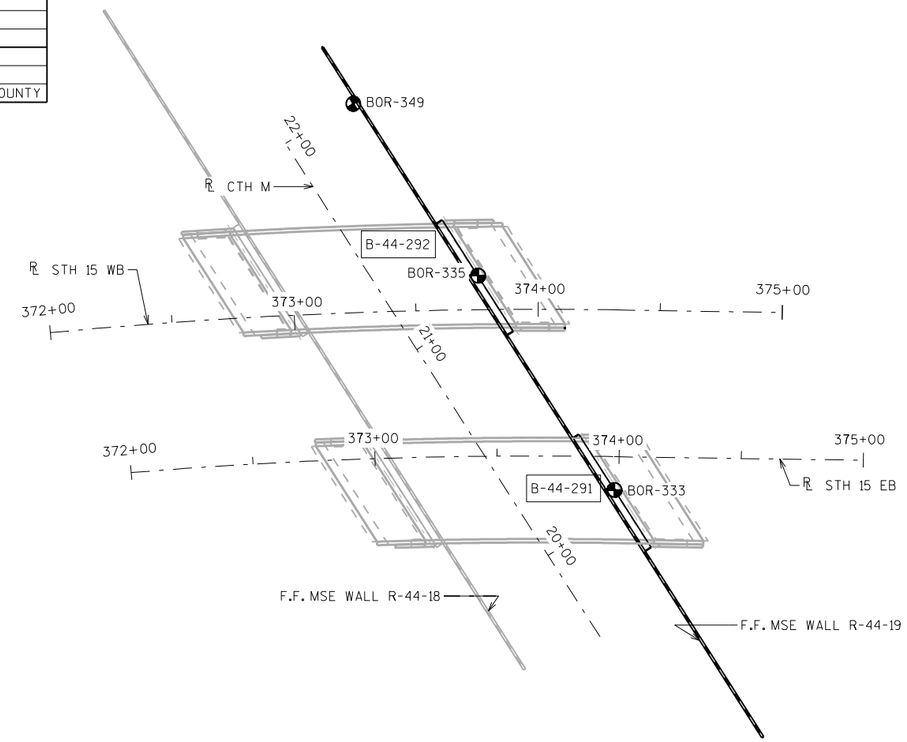
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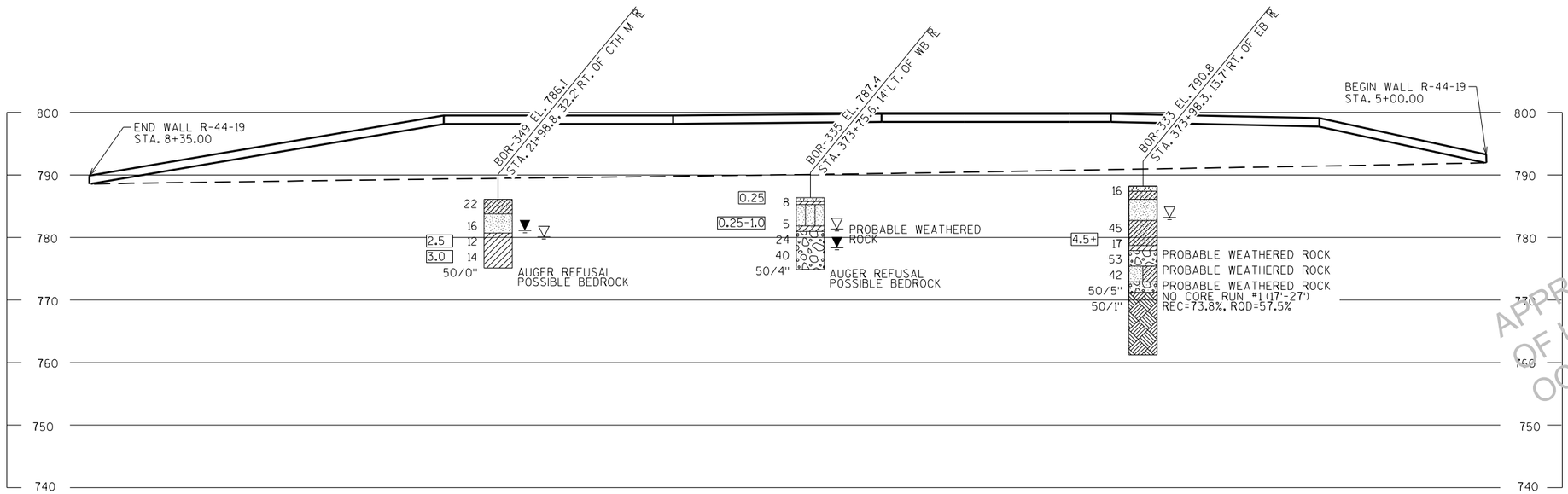
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8

8

BORING #	DATE COMPLETED	NORTHING (Y)	EASTING (X)
333	4/01/2014	592708	767567
335	2/26/2014	592812	767568
349	2/27/2014	592900	767565
BORINGS COMPLETED BY: GESTRA			
REPORT COMPLETED BY: CH2M HILL			
ALL COORDINATES REFERENCED TO WCCS NAD 83(91) OUTAGAMIE COUNTY			





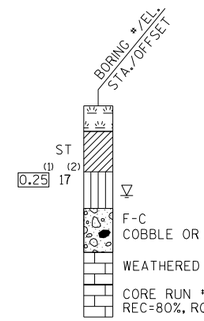
STATE PROJECT NUMBER

1146-75-71

MATERIAL SYMBOLS

ASPHALT	TOPSOIL	PEAT
CONCRETE	FILL	GRAVEL
SAND	CLAY	SILT
BOULDERS OR COBBLES	LIMESTONE	BEDROCK (UNKNOWN)
SHALE	SANDSTONE	IGNEOUS/ META

LEGEND OF BORING



(1) UNCONFINED STRENGTH, AS DETERMINED BY A POCKET PENETROMETER (TSF)

(2) UNLESS OTHERWISE, SPECIFIED THE SPT 'N' VALUE IS BASED ON AASHTO T-206, STANDARD PENETRATION TEST. THE SPT 'N' VALUE PRESENTED HAS NOT BEEN CORRECTED FOR OVERBURDEN PRESSURE OR HAMMER EFFICIENCY.

GROUND WATER ELEVATION

- AT TIME OF DRILLING
- END OF DRILLING
- AFTER DRILLING

ABBREVIATIONS

F-FINE M-MEDIUM C-COARSE ST-SHELBY TUBE

SUBSURFACE EXPLORATION FOR FOUNDATION DESIGN AND BIDDERS INFORMATION

BORINGS WERE COMPLETED AT POINTS APPROXIMATELY AS INDICATED ON THIS DRAWING TO OBTAIN INFORMATION CONCERNING THE CHARACTER OF SUBSURFACE MATERIALS FOUND AT THE SITE. BECAUSE THE INVESTIGATED DEPTHS ARE LIMITED AND THE AREA OF THE BORINGS IS VERY SMALL IN RELATION TO THE ENTIRE SITE, THE WISCONSIN DEPARTMENT OF TRANSPORTATION DOES NOT WARRANT SIMILAR SUBSURFACE CONDITIONS BELOW, BETWEEN, OR BEYOND THESE BORINGS. VARIATIONS IN SOIL CONDITIONS SHOULD BE EXPECTED AND FLUCTUATIONS IN GROUNDWATER LEVELS MAY OCCUR.

APPROVED FOR RELEASE OF UTILITY ACTIVITIES OCTOBER 2019

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE R-44-19

DRAWN BY TLP/SEW | PLANS CK'D.

SUBSURFACE EXPLORATION

SHEET 4

PRE_193

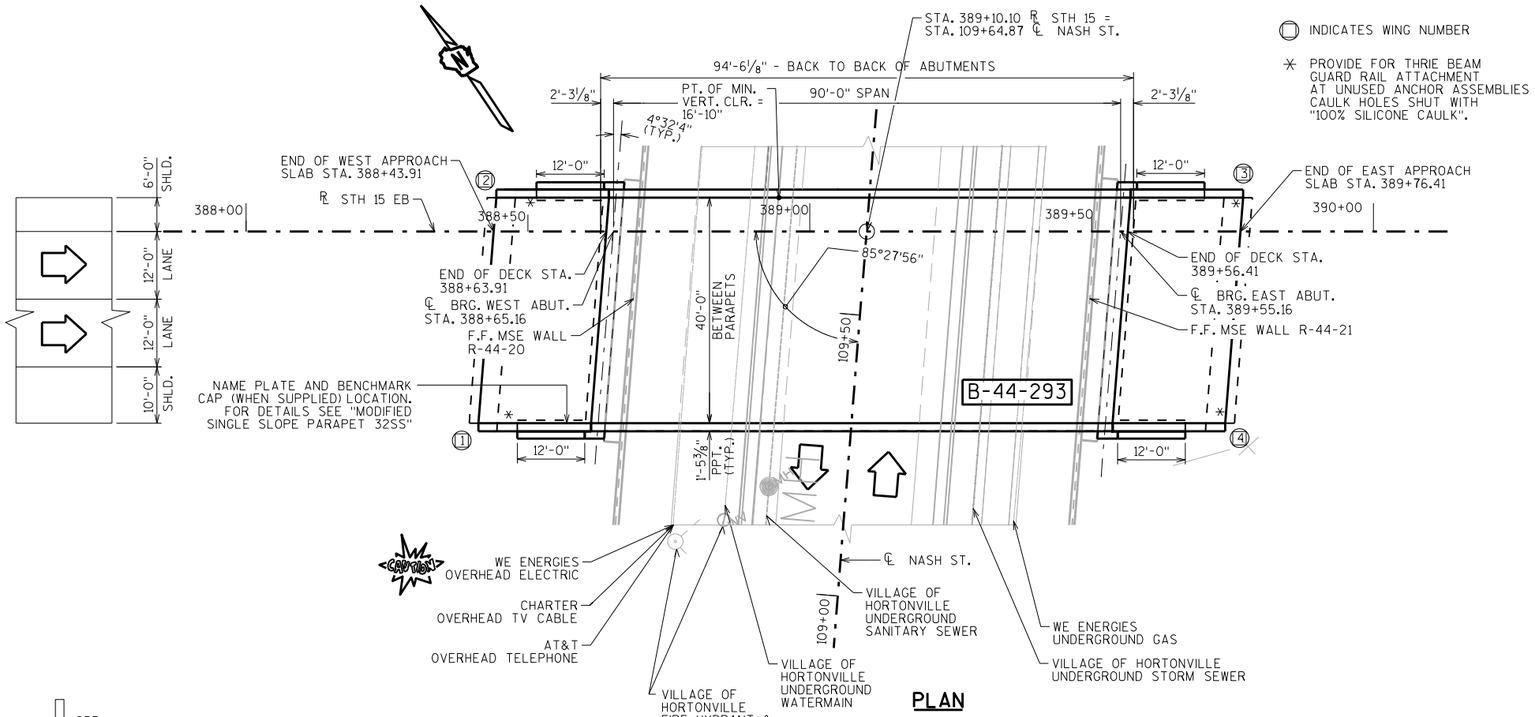
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STATE PROJECT NUMBER

1146-75-71

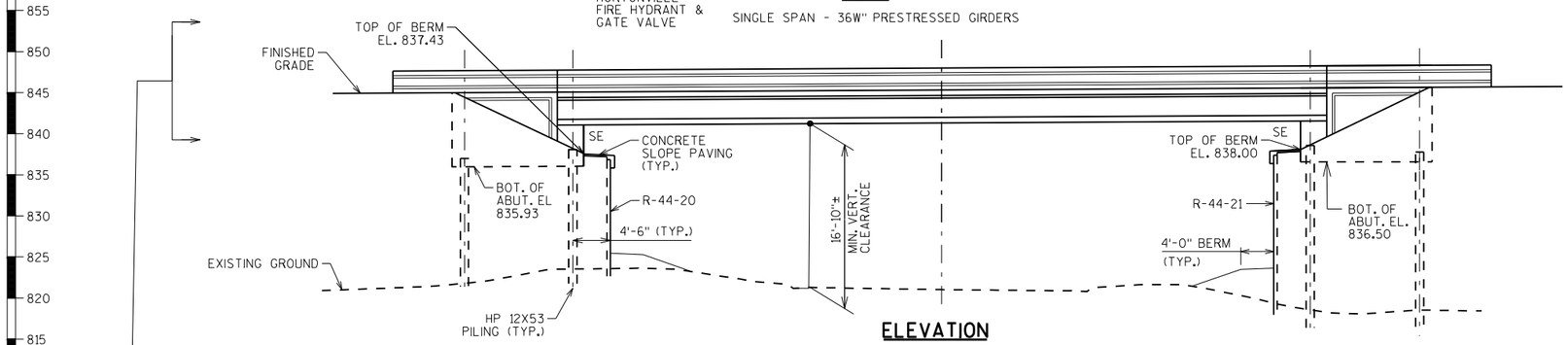


INDICATES WING NUMBER

✳ PROVIDE FOR THRIE BEAM GUARD RAIL ATTACHMENT AT UNUSED ANCHOR ASSEMBLIES CAULK HOLES SHUT WITH "100% SILICONE CAULK".

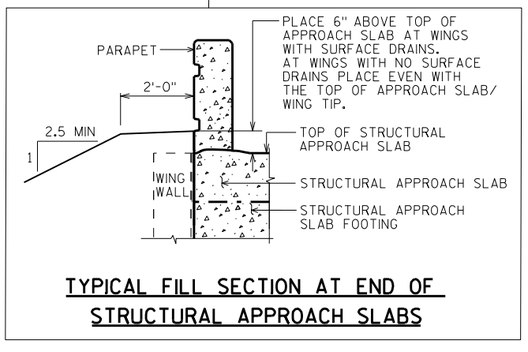
PLAN

SINGLE SPAN - 36W" PRESTRESSED GIRDERS

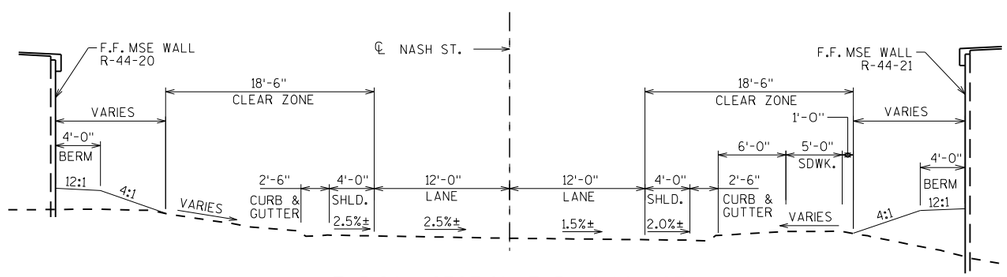


ELEVATION

NORMAL TO NASH ST. LOOKING NORTHEAST



TYPICAL FILL SECTION AT END OF STRUCTURAL APPROACH SLABS



TYPICAL SECTION THRU NASH ST.

NORMAL TO NASH ST. LOOKING NORTHEAST

DESIGN DATA

LIVE LOAD:

DESIGN LOADING: HL-93
INVENTORY RATING FACTOR: RF=1.13
OPERATING RATING FACTOR: RF=1.60
WISCONSIN STANDARD PERMIT VEHICLE (WIS.-SPV): 250 (KIPS)

STRUCTURE IS DESIGNED FOR A FUTURE WEARING SURFACE OF 20 POUNDS PER SQUARE FOOT.

MATERIAL PROPERTIES:

CONCRETE MASONRY SUPERSTRUCTURE — 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 = 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 HP 12X53 STEEL PILING DRIVEN TO A REQUIRED DRIVING RESISTANCE OF 220 TONS ✳✳ PER PILE AS DETERMINED BY THE MODIFIED GATES DYNAMIC FORMULA.
ESTIMATED 25'-0" LONG AT THE WEST ABUTMENT, PILE POINTS REQUIRED.
ESTIMATED 30'-0" LONG AT THE EAST ABUTMENT, PILE POINTS REQUIRED.

✳✳ 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

STH 15 EB	NASH ST.
A.D.T.=15,000 (2040)	A.D.T.=1,500 (2040)
R.D.S.=60 M.P.H.	R.D.S.=30 M.P.H.

LIST OF DRAWINGS

1. GENERAL PLAN
2. CROSS SECTION & QUANTITIES
3. SUBSURFACE EXPLORATION
4. WEST ABUTMENT
5. WEST ABUTMENT DETAILS
6. EAST ABUTMENT
7. EAST ABUTMENT DETAILS
8. 36W" PRESTRESSED GIRDER DETAILS 1
9. 36W" PRESTRESSED GIRDER DETAILS 2
10. STEEL DIAPHRAGM
11. SUPERSTRUCTURE
12. SUPERSTRUCTURE DETAILS
13. MODIFIED SINGLE SLOPE PARAPET 32SS
14. WEST STRUCTURAL APPROACH SLAB
15. EAST STRUCTURAL APPROACH SLAB

STRUCTURE DESIGN CONTACTS:

JOHN SENDOR (608) 266-3163
AARON BONK (608) 261-0261

APPROVED FOR DESIGN OF UTILITY ADJUSTMENTS OCTOBER 2019

NO.	DATE	REVISION	BY

BUREAU OF STRUCTURES

ACCEPTED CHIEF STRUCTURES DESIGN ENGINEER DATE

STRUCTURE B-44-293

STH 15 EB OVER NASH ST.

COUNTY	VILLAGE
OUTAGAMIE	HORTONVILLE

DESIGN SPEC. AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS

DESIGNED BY	DESIGNED CK'D.	DRAWN BY	PLANS CK'D.
JJS	JRS	JJS	SEW

GENERAL PLAN

SHEET 1 OF 15

PRE_194

I.D. 1146-75-00B DATE: FEB. 2017

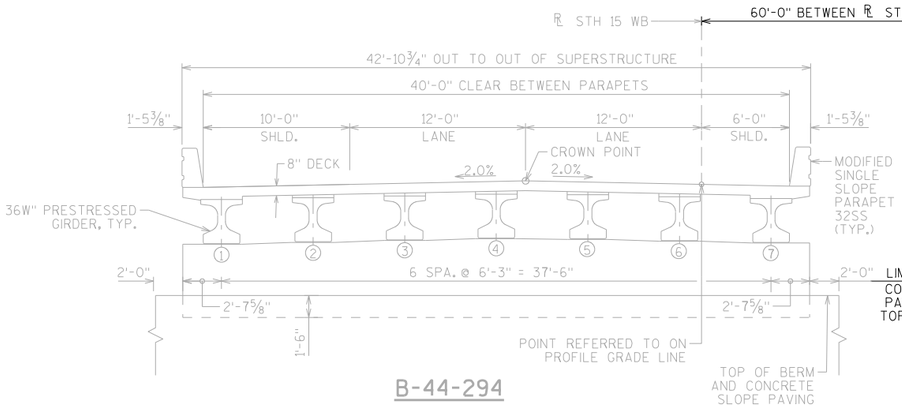
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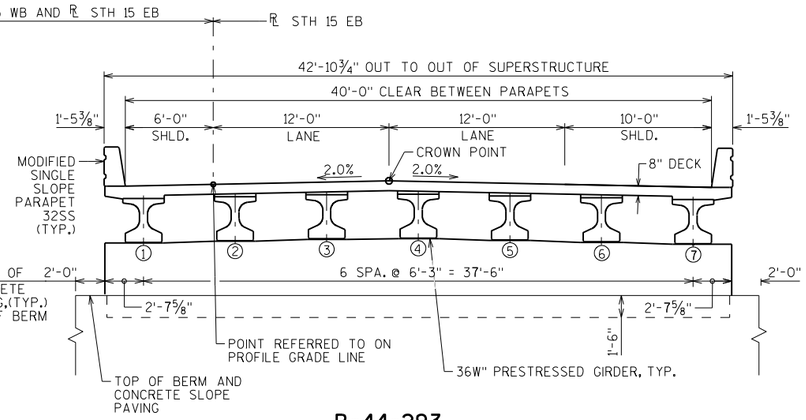
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STATE PROJECT NUMBER

1146-75-71



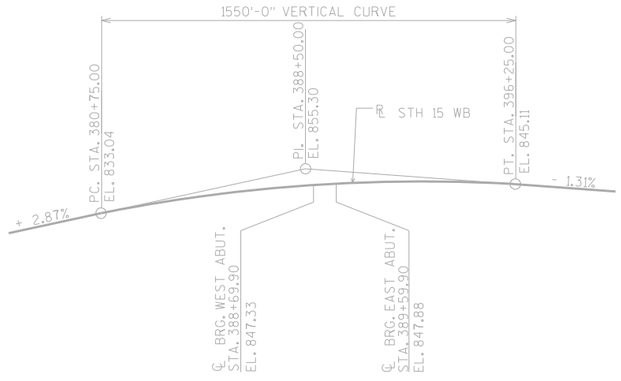
B-44-294



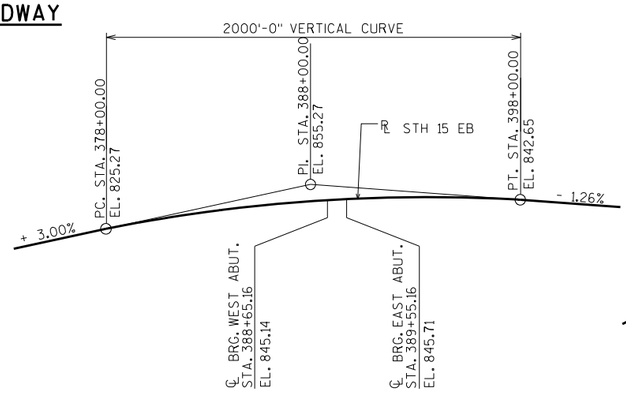
B-44-293

CROSS SECTION THRU ROADWAY

(LOOKING EAST)



PROFILE GRADE LINE STH 15 WB



PROFILE GRADE LINE STH 15 EB

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 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 QUANTITY FOR BACKFILL STRUCTURE IS CALCULATED BASED ON THE TYPICAL SECTION SHOWN IN THE PLANS.

PROTECTIVE SURFACE TREATMENT TO BE APPLIED TO THE ENTIRE TOP OF DECK SURFACE AND THE TOP OF STRUCTURAL APPROACH SLABS.

PIGMENTED SURFACE SEALER TO BE APPLIED TO THE FRONT FACE AND THE TOP OF THE PARAPETS.

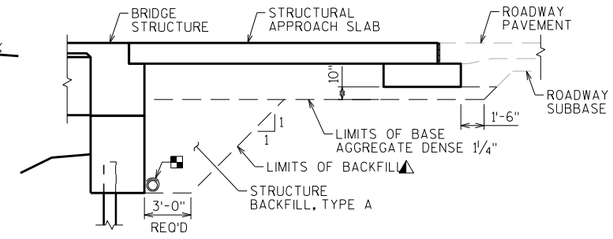
THE SLOPE OF FILL IN FRONT OF THE ABUTMENTS SHALL BE COVERED WITH SLOPE PAVING MATERIAL TO THE EXTENT SHOWN ON SHEET 1 AND IN THE ABUTMENT DETAILS.

THE CONTRACTOR MUST COORDINATE THE CONSTRUCTION OF B-44-293 WITH RETAINING WALLS R-44-20 AND R-44-21.

▪ PIPE UNDERDRAIN WRAPPED (6-INCH). SLOPE 0.5% MIN. TO SUITABLE DRAINAGE. ATTACH RODENT SHIELD AT ENDS OF PIPE UNDERDRAIN.

TOTAL ESTIMATED QUANTITIES

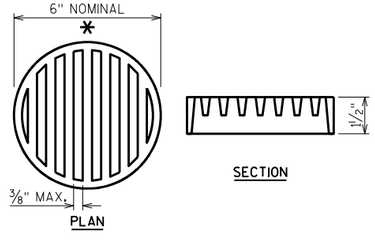
BID ITEM NUMBER	BID ITEMS	UNIT	SUPER.	WEST APPROACH	WEST ABUT.	EAST ABUT.	EAST APPROACH	TOTALS
206.1000	EXCAVATION FOR STRUCTURES BRIDGES B-44-293	LS	———	———	———	———	———	1
210.1500	BACKFILL STRUCTURE TYPE A	TON	———	———	110	110	———	220
305.0120	BASE AGGREGATE DENSE 1 1/4-INCH	TON	———	133	———	———	133	266
502.0100	CONCRETE MASONRY BRIDGES	CY	171	59	50	50	59	389
502.3200	PROTECTIVE SURFACE TREATMENT	SY	433	90	———	———	90	613
502.3210	PIGMENTED SURFACE SEALER	SY	77	17	———	———	17	111
503.0137	PRESTRESSED GIRDER TYPE I 36W-INCH	LF	637	———	———	———	———	637
505.0400	BAR STEEL REINFORCEMENT HS STRUCTURES	LB	———	———	2630	2630	———	5260
505.0600	BAR STEEL REINFORCEMENT HS COATED STRUCTURES	LB	25650	10080	1510	1510	10080	48830
505.0800.S	BAR STEEL REINFORCEMENT HS STAINLESS STRUCTURES	LB	1470	———	———	———	———	1470
506.2605	BEARING PADS ELASTOMERIC NON-LAMINATED	EACH	14	———	———	———	———	14
506.4000	STEEL DIAPHRAGMS B-44-293	EACH	12	———	———	———	———	12
516.0500	RUBBERIZED MEMBRANE WATERPROOFING	SY	———	———	14	14	———	28
550.0500	PILE POINTS	EACH	———	———	10	10	———	20
550.1120	PILING STEEL HP 12-INCH X 53 LB	LF	———	———	250	300	———	550
604.0400	SLOPE PAVING CONCRETE	SY	———	———	15	15	———	30
612.0406	PIPE UNDERDRAIN WRAPPED 6-INCH	LF	———	———	119	119	———	238
614.0150	ANCHOR ASSEMBLIES FOR STEEL PLATE BEAM GUARD	EACH	———	2	———	———	2	4
	NON-BID ITEMS							
	FILLER	SIZE	———	———	———	———	———	½", ¾", 1½"



TYPICAL SECTION THRU ABUTMENT

(A1 ABUTMENT WITH STRUCTURAL APPROACH)

⚠ BACKFILL PAY LIMITS. BACKFILL BEYOND BACKFILL PAY LIMITS SHALL BE INCIDENTAL TO EXCAVATION FOR STRUCTURES. LIMITS OF EXCAVATION SHALL BE DETERMINED BY THE CONTRACTOR.



RODENT SHIELD DETAIL

* DIMENSIONS ARE APPROXIMATE. THE GRATE IS SIZED TO FIT INTO A PIPE COUPLING. ORIENT SO SLOTS ARE VERTICAL.

THE RODENT SHIELD, PIPE COUPLING AND SCREWS SHALL BE CONSIDERED INCIDENTAL TO THE BID ITEM "PIPE UNDERDRAIN WRAPPED 6-INCH".

THE RODENT SHIELD SHALL BE A PVC GRATE SIMILAR TO THIS DETAIL. THE GRATE IS COMMERCIALLY AVAILABLE AS A FLOOR STRAINER. A PIPE COUPLING IS REQUIRED FOR THE ATTACHMENT OF THIS SHIELD TO THE EXPOSED END OF THE PIPE UNDERDRAIN. THE SHIELD SHALL BE FASTENED TO THE PIPE COUPLING WITH TWO OR MORE NO. 10 X 1-INCH STAINLESS STEEL SHEET METAL SCREWS.

APPROVED FOR DESIGN OF UTILITY ADJUSTMENTS OCTOBER 2019

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-44-293

DRAWN BY JJS | PLANS CK'D. SEW

CROSS SECTION & QUANTITIES

SHEET 2

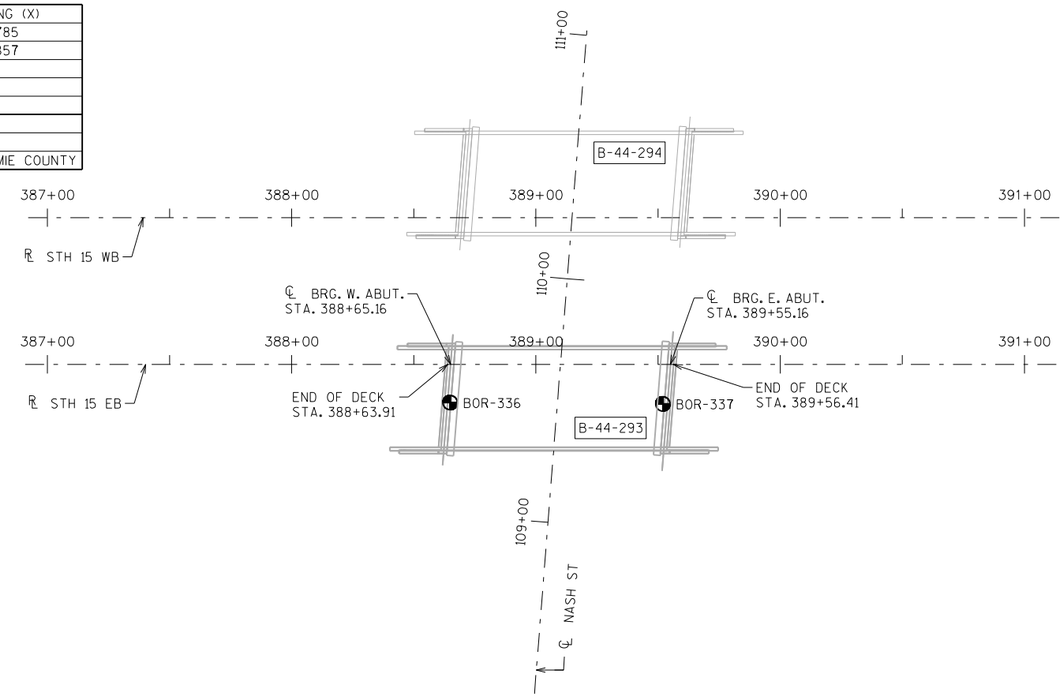
PRE_195

SCALE = 25.00

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BORING #	DATE COMPLETED	NORTHING (Y)	EASTING (X)
336	3/31/2014	591890	768785
337	3/31/2014	591841	768857
BORINGS COMPLETED BY: GESTRA			
REPORT COMPLETED BY: CH2M HILL			
ALL COORDINATES REFERENCED TO WCCS NAD 83(91) OUTAGAMIE COUNTY			



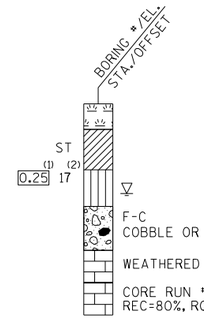
STATE PROJECT NUMBER

1146-75-71

MATERIAL SYMBOLS

ASPHALT	TOPSOIL	PEAT
CONCRETE	FILL	GRAVEL
SAND	CLAY	SILT
BOULDERS OR COBBLES	LIMESTONE	BEDROCK (UNKNOWN)
SHALE	SANDSTONE	IGNEOUS/ META

LEGEND OF BORING



(1) UNCONFINED STRENGTH, AS DETERMINED BY A POCKET PENETROMETER (TSF)

(2) UNLESS OTHERWISE, SPECIFIED THE SPT 'N' VALUE IS BASED ON AASHTO T-206, STANDARD PENETRATION TEST. THE SPT 'N' VALUE PRESENTED HAS NOT BEEN CORRECTED FOR OVERBURDEN PRESSURE OR HAMMER EFFICIENCY.

GROUND WATER ELEVATION

- AT TIME OF DRILLING
- END OF DRILLING
- AFTER DRILLING

ABBREVIATIONS

F-FINE M-MEDIUM C-COARSE ST-SHELBY TUBE

SUBSURFACE EXPLORATION FOR FOUNDATION DESIGN AND BIDDERS INFORMATION

BORINGS WERE COMPLETED AT POINTS APPROXIMATELY AS INDICATED ON THIS DRAWING TO OBTAIN INFORMATION CONCERNING THE CHARACTER OF SUBSURFACE MATERIALS FOUND AT THE SITE. BECAUSE THE INVESTIGATED DEPTHS ARE LIMITED AND THE AREA OF THE BORINGS IS VERY SMALL IN RELATION TO THE ENTIRE SITE, THE WISCONSIN DEPARTMENT OF TRANSPORTATION DOES NOT WARRANT SIMILAR SUBSURFACE CONDITIONS BELOW, BETWEEN, OR BEYOND THESE BORINGS. VARIATIONS IN SOIL CONDITIONS SHOULD BE EXPECTED AND FLUCTUATIONS IN GROUNDWATER LEVELS MAY OCCUR.

APPROVED FOR USE BY DEPARTMENT OF UTILITY ACCOMMODATION OCTOBER 2019

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-44-293

DRAWN BY JJS | PLANS CK'D. SEW

SUBSURFACE EXPLORATION

SHEET 3

PRE_196

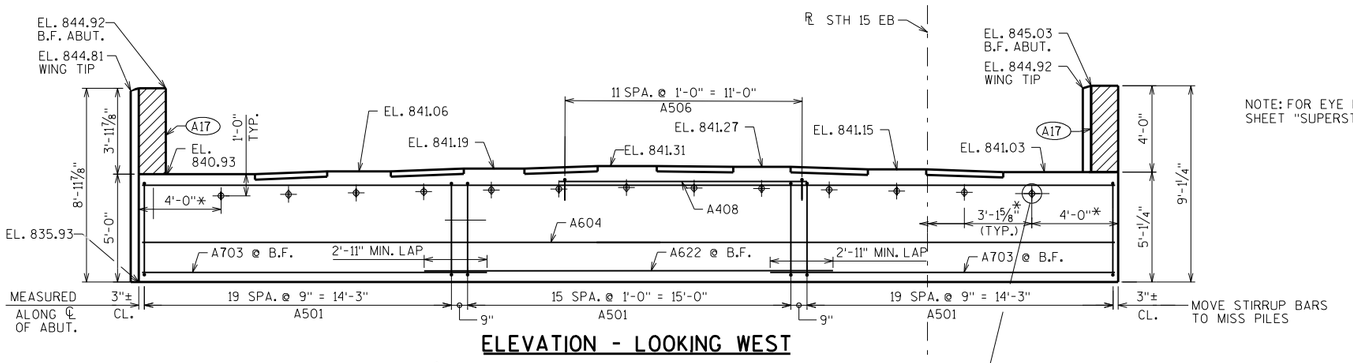
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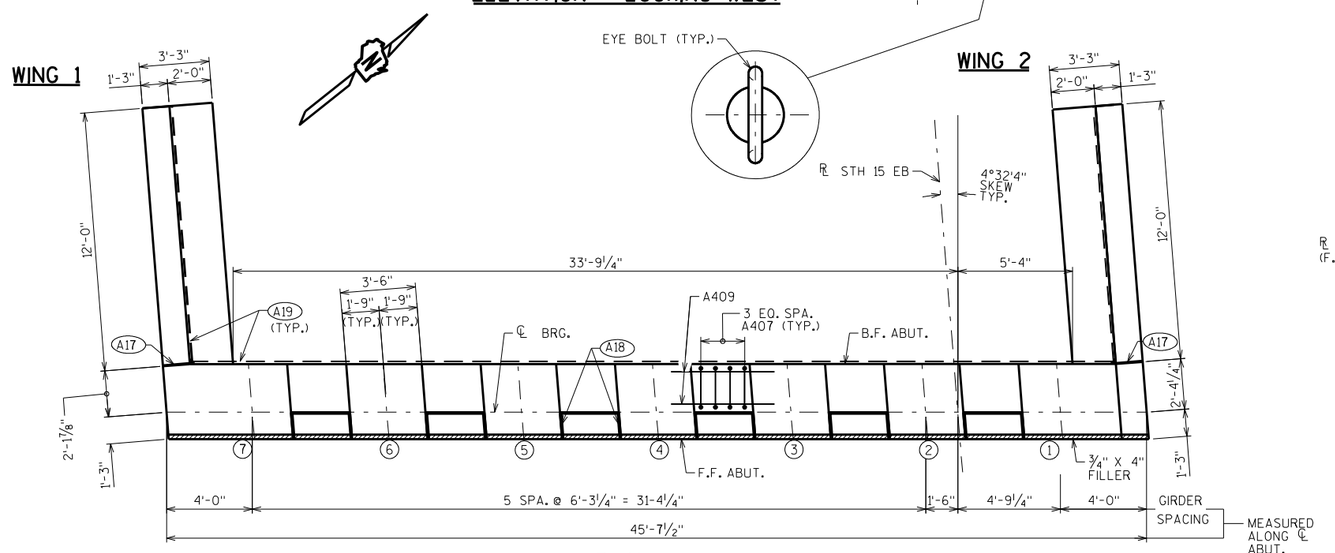
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STATE PROJECT NUMBER

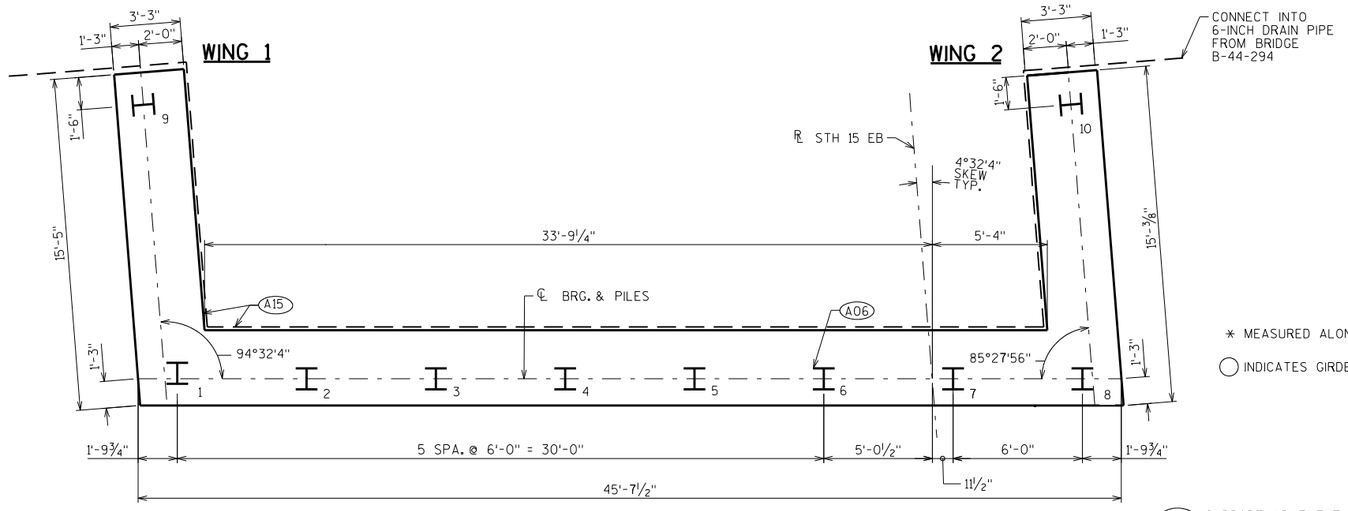
1146-75-71



ELEVATION - LOOKING WEST

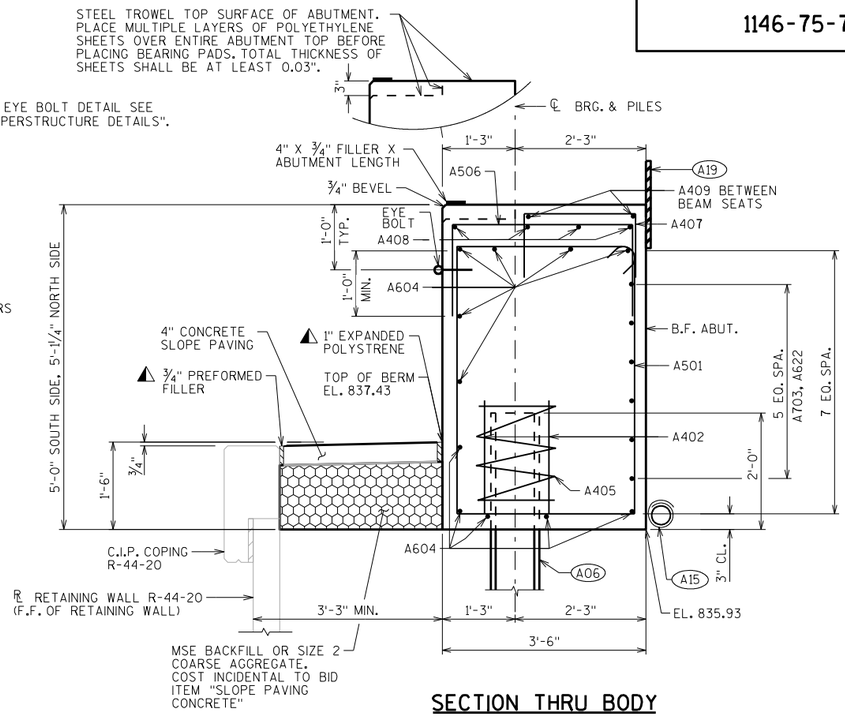


PLAN



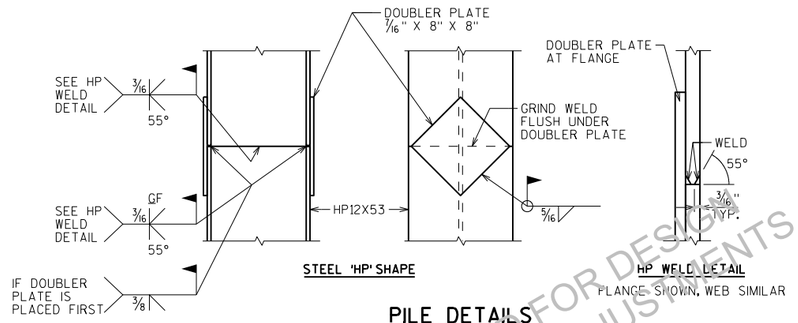
PILE PLAN

NOTE: FOR EYE BOLT DETAIL SEE SHEET "SUPERSTRUCTURE DETAILS".



SECTION THRU BODY

⚠ SEAL ALL EXPOSED HORIZONTAL AND VERTICAL SURFACES OF FILLER AND EXPANDED POLYSTYRENE WITH NON-STAINING, GRAY NON-BITUMINOUS JOINT SEALER. (1" DEEP AND HOLD ⅛" BELOW SURFACE OF CONCRETE).



STEEL 'HP' SHAPE

HP WELD DETAIL
FLANGE SHOWN, WEB SIMILAR

PILE DETAILS

* MEASURED ALONG F.F. ABUT.

◯ INDICATES GIRDER NUMBER

(A06) SUPPORT ABUTMENT ON HP 12 x 53 STEEL PILING, ESTIMATED 25'-0" LONG WITH A REQUIRED DRIVING RESISTANCE OF 220 TONS PER PILE.

(A15) PIPE UNDERDRAIN WRAPPED (6-INCH). SLOPE 0.5% MIN. TO SUITABLE DRAINAGE. RODENT SHIELD REQUIRED.

(A17) 1/2" FILLER (INCLUDED IN WING LENGTH); SEAL ALL EXPOSED HORIZ. & VERT. SURFACES OF 1/2" FILLER WITH NON-STAINING GRAY NON-BITUMINOUS JOINT SEALER. (1" DEEP AND HOLD 1/8" BELOW SURFACE OF CONCRETE). EXTEND SEALER 3" BELOW GUTTER LINE AT INSIDE FACE.

(A18) 3/4" CORK FILLER UP VERT. BEAM SEAT FACES THAT RUN PARALLEL WITH GIRDER.

(A19) 18" (RMW) RUBBERIZED MEMBRANE WATERPROOFING SEAL ALL HORIZ. & VERT. JOINTS AT BACKFACE.

APPROVED FOR DESIGN OF UTILITY ADJUSTMENTS OCTOBER 2019

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-44-293

DRAWN BY JJS | PLANS CK'D. SEW

WEST ABUTMENT

SHEET 4

PRE_197

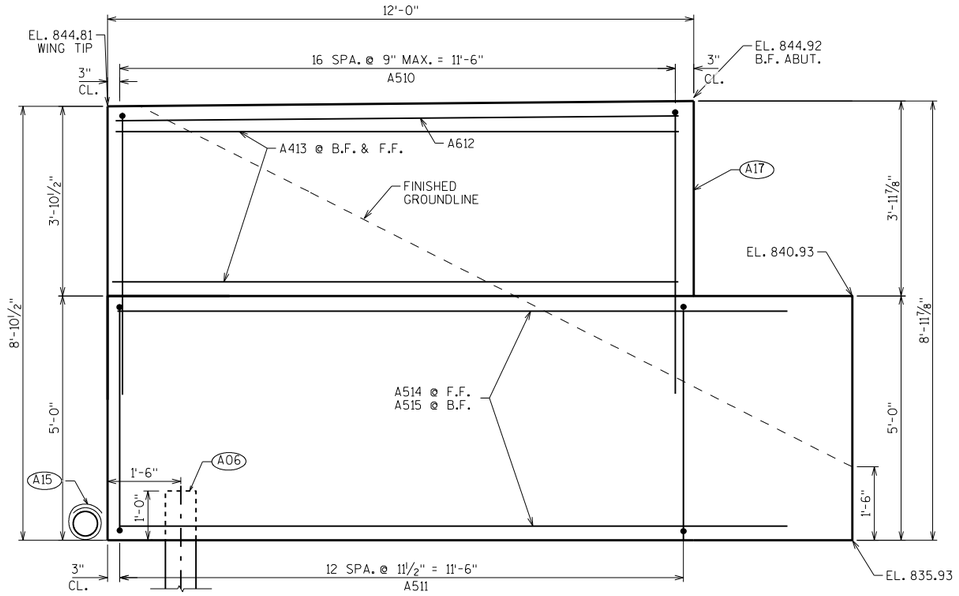
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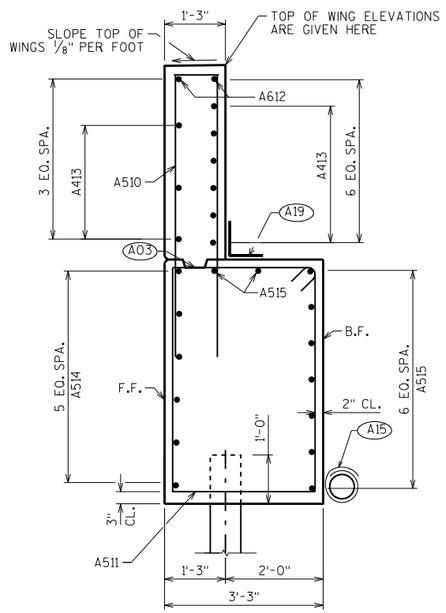
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STATE PROJECT NUMBER

1146-75-71



WING 1 ELEVATION

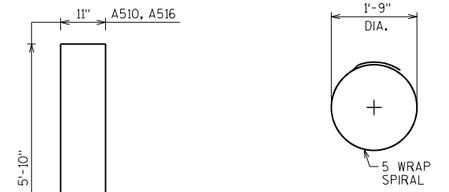


WING 1 SECTION

BILL OF BARS

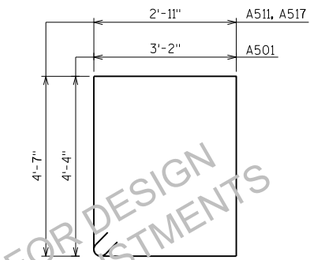
NOTE: THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE.

BAR MARK	COAT	NO. REQ'D.	LENGTH	BENT	BAR SERIES	LOCATION
A501		56	15'-8"	X		BODY- STIRRUPS
A402		16	2'-3"			BODY-VERT- AT BODY PILES
A703		12	16'-0"			BODY-HORIZ. B.F.
A604		11	45'-3"			BODY-HORIZ.
A405		8	28'-0"	X		BODY-VERT. AT BODY PILES
A506		12	6'-3"	X		BODY-VERT. UND. BM. SEATS 3 & 4
A407		24	4'-7"	X		BODY-VERT. BTWN. BM. SEATS
A408		4	11'-6"			BODY HORIZ. UND. BM. SEATS 3 & 4
A409		12	4'-10"			BODY HORIZ. BTWN. BM. SEATS
A510	X	17	12'-4"	X		WING 1- VERT. (UPPER)
A511	X	13	15'-8"	X		WING 1 STIRRUP
A612	X	2	11'-8"			WING 1 HORIZ. TOP
A413	X	9	11'-8"			WING 1 HORIZ. F.F. + B.F.
A514	X	6	13'-8"			WING 1 HORIZ. F.F.
A515	X	9	13'-9"			WING 1 HORIZ. B.F.
A516	X	17	12'-4"	X		WING 2- VERT. (UPPER)
A517	X	13	15'-8"	X		WING 2 STIRRUP
A618	X	2	11'-8"			WING 2 HORIZ. TOP
A419	X	9	11'-8"			WING 2 HORIZ. F.F. + B.F.
A520	X	6	13'-8"			WING 2 HORIZ. F.F.
A521	X	9	13'-8"			WING 2 HORIZ. B.F.
A622		6	19'-3"			BODY-HORIZ. B.F.

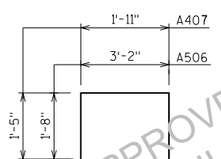


A405

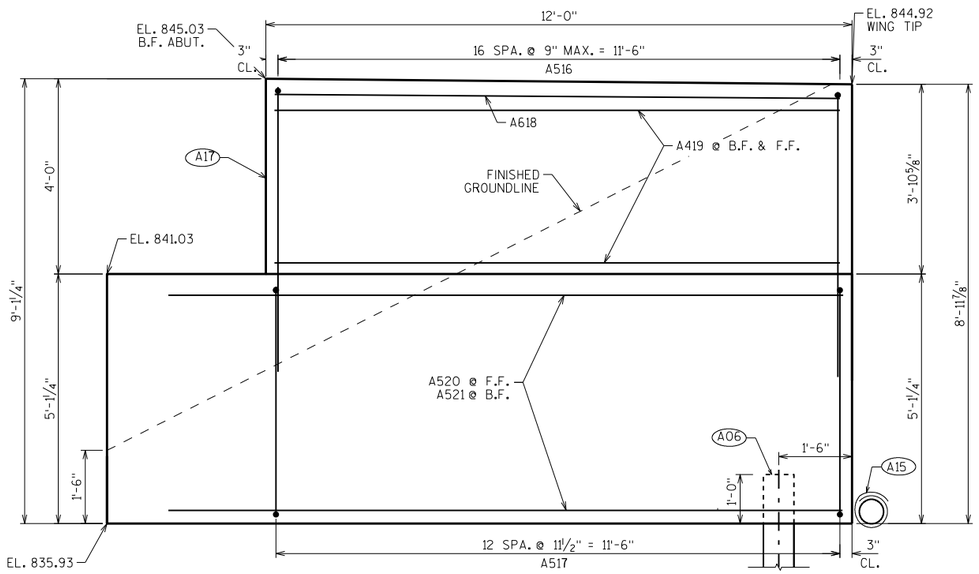
A510, A516



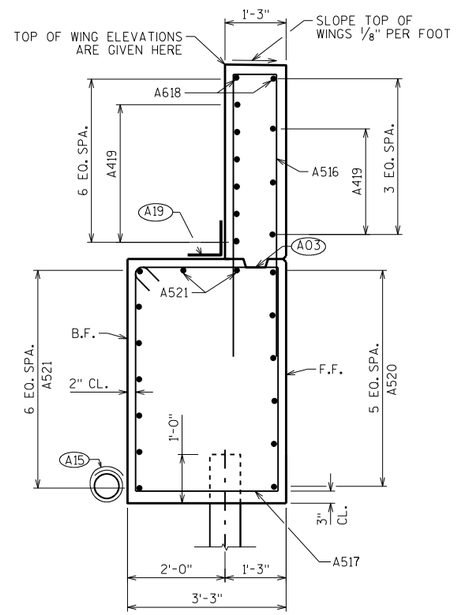
A501, A511, A517



A407, A506



WING 2 ELEVATION



WING 2 SECTION

(A03) OPTIONAL CONST. JOINT: KEYWAY FORMED BY BEVELED 2 x 6. (18" RMW @ B.F. & 3/4" "V" GROOVE @ F.F. IF JOINT IS USED).

(A06) SUPPORT WING WALL ON HP 12 x 53 STEEL PILING, ESTIMATED 25'-0" LONG WITH A REQUIRED DRIVING RESISTANCE OF 220 TONS PER PILE.

(A17) 1/2" FILLER (INCLUDED IN WING LENGTH): SEAL ALL EXPOSED HORIZ. & VERT. SURFACES OF 1/2" FILLER WITH NON-STAINING GRAY NON-BITUMINOUS JOINT SEALER. (1" DEEP AND HOLD 1/8" BELOW SURFACE OF CONCRETE). EXTEND SEALER 3" BELOW GUTTER LINE AT INSIDE FACE.

(A19) 18" (RMW) RUBBERIZED MEMBRANE WATERPROOFING SEAL ALL HORIZ. & VERT. JOINTS AT BACKFACE.

(A15) PIPE UNDERDRAIN WRAPPED (6-INCH). SLOPE 0.5% MIN. TO SUITABLE DRAINAGE. RODENT SHIELD REQUIRED.

APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS
OCTOBER 2019

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-44-293

DRAWN BY JJS | PLANS CK'D. SEW

WEST ABUTMENT DETAILS

SHEET 5

PRE_198

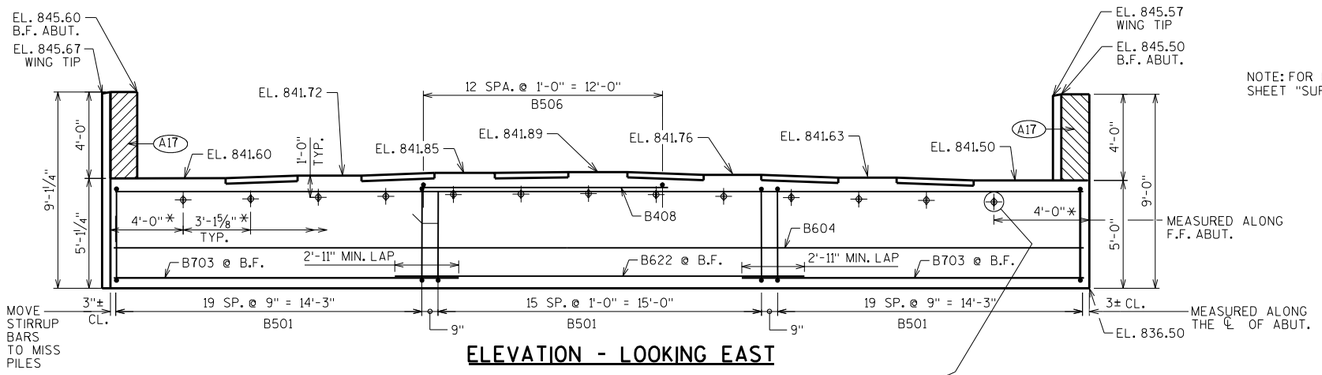
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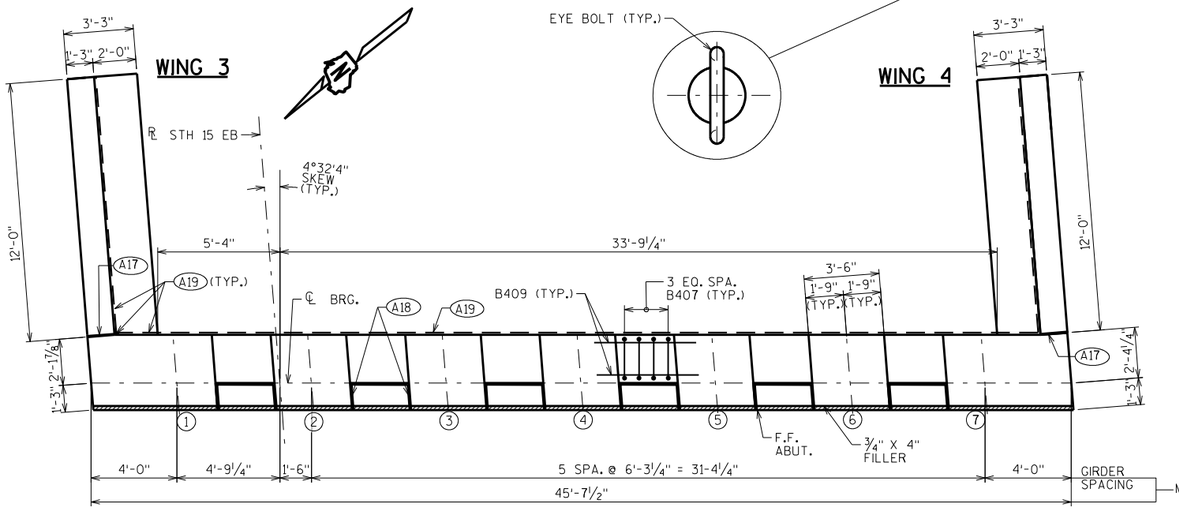
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STATE PROJECT NUMBER

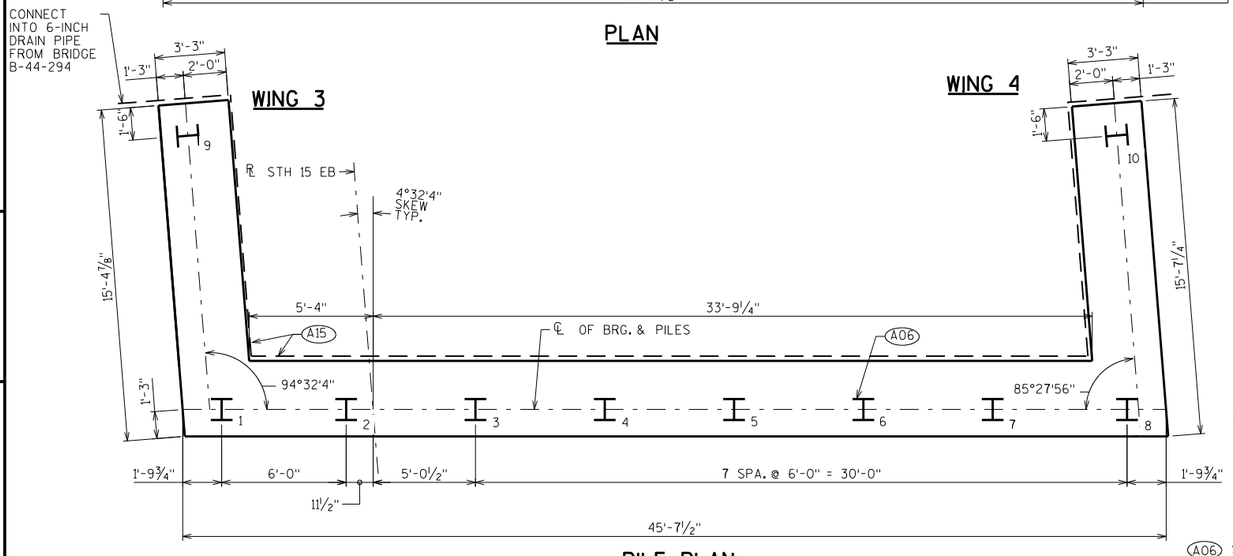
1146-75-71



ELEVATION - LOOKING EAST



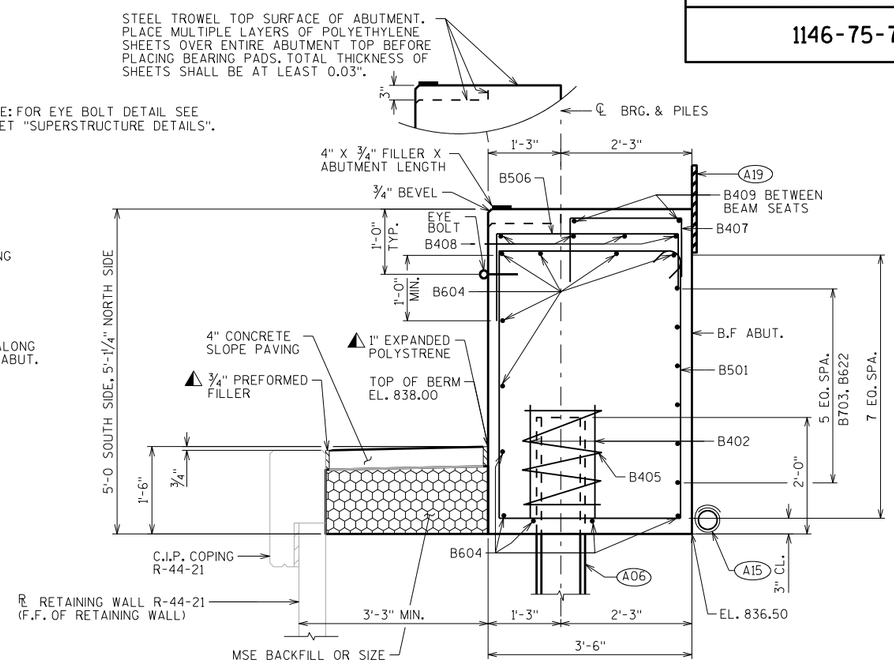
PLAN



PILE PLAN

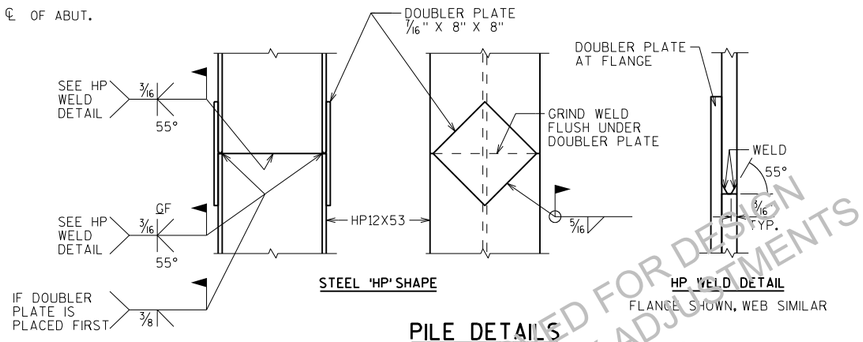
* MEASURED ALONG F.F. ABUT.

◯ INDICATES GIRDER NUMBER



SECTION THRU BODY

⚠ SEAL ALL EXPOSED HORIZONTAL AND VERTICAL SURFACES OF FILLER AND EXPANDED POLYSTYRENE WITH NON-STAINING, GRAY NON-BITUMINOUS JOINT SEALER. (1" DEEP AND HOLD ⅛" BELOW SURFACE OF CONCRETE).



STEEL 'HP' SHAPE

HP WELD DETAIL
FLANGE SHOWN, WEB SIMILAR

PILE DETAILS

(A06) SUPPORT ABUTMENT ON HP 12 x 53 STEEL PILING, ESTIMATED 30'-0" LONG WITH A REQUIRED DRIVING RESISTANCE OF 220 TONS PER PILE.

(A15) PIPE UNDERDRAIN WRAPPED (6-INCH). SLOPE 0.5% MIN. TO SUITABLE DRAINAGE. RODENT SHIELD REQUIRED.

(A17) 1/2" FILLER (INCLUDED IN WING LENGTH): SEAL ALL EXPOSED HORIZ. & VERT. SURFACES OF 1/2" FILLER WITH NON-STAINING GRAY NON-BITUMINOUS JOINT SEALER. (1" DEEP AND HOLD 1/8" BELOW SURFACE OF CONCRETE). EXTEND SEALER 3" BELOW GUTTER LINE AT INSIDE FACE.

(A18) 3/4" CORK FILLER UP VERT. BEAM SEAT FACES THAT RUN PARALLEL WITH GIRDER.

(A19) 18" (RMW) RUBBERIZED MEMBRANE WATERPROOFING SEAL ALL HORIZ. & VERT. JOINTS AT BACKFACE.

APPROVED FOR DESIGN OF UTILITY ADJUSTMENTS OCTOBER 2019

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STRUCTURES DESIGN SECTION

STRUCTURE B-44-293

DRAWN BY JJS | PLANS CK'D. SEW

EAST ABUTMENT

SHEET 6

PRE_199

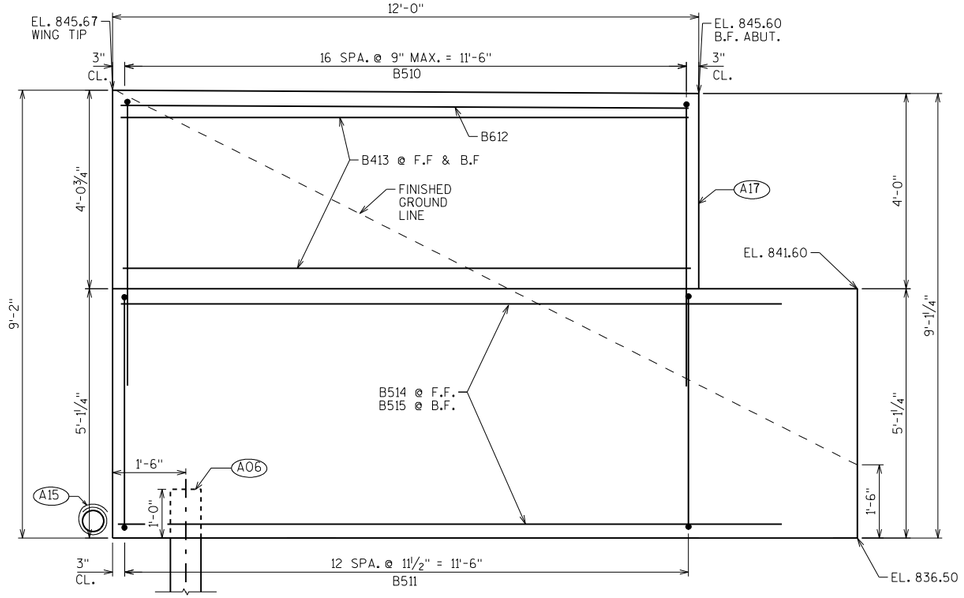
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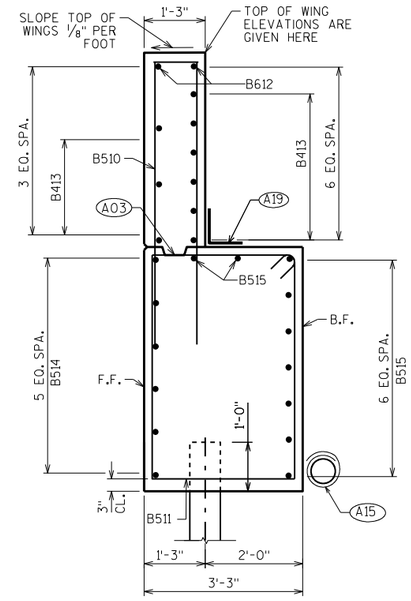
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STATE PROJECT NUMBER

1146-75-71



WING 3 ELEVATION

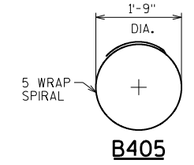


WING 3 SECTION

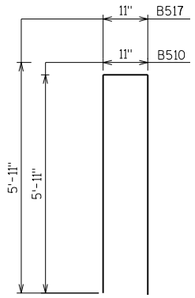
BILL OF BARS

NOTE: THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE.

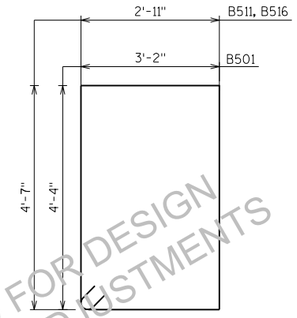
BAR MARK	COAT	NO. REQ'D.	LENGTH	BENT	BAR SERIES	LOCATION
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B402		16	2'-3"			BODY-VERT- AT BODY PILES
B703		12	16'-0"			BODY-HORIZ. B.F.
B604		11	45'-3"			BODY-HORIZ.
B405		8	28'-0"	X		BODY-VERT. AT BODY PILES
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B510	X	17	12'-6"	X		WING 3- VERT. (UPPER)
B511	X	13	15'-8"	X		WING 3 STIRRUP
B612	X	2	11'-8"			WING 3 HORIZ. TOP
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B514	X	6	13'-8"			WING 3 HORIZ. F.F.
B515	X	9	13'-9"			WING 3 HORIZ. B.F.
B516	X	13	15'-8"	X		WING 4 STIRRUP
B517	X	17	12'-6"	X		WING 4- VERT. (UPPER)
B618	X	2	11'-8"			WING 4 HORIZ. TOP
B419	X	9	11'-8"			WING 4 HORIZ. F.F. & B.F.
B520	X	6	13'-7"			WING 4 HORIZ. F.F.
B521	X	9	13'-8"			WING 4 HORIZ. B.F.
B622		6	19'-3"			BODY-HORIZ. B.F.



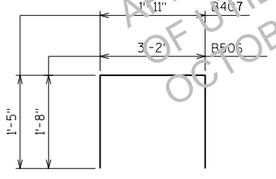
B405



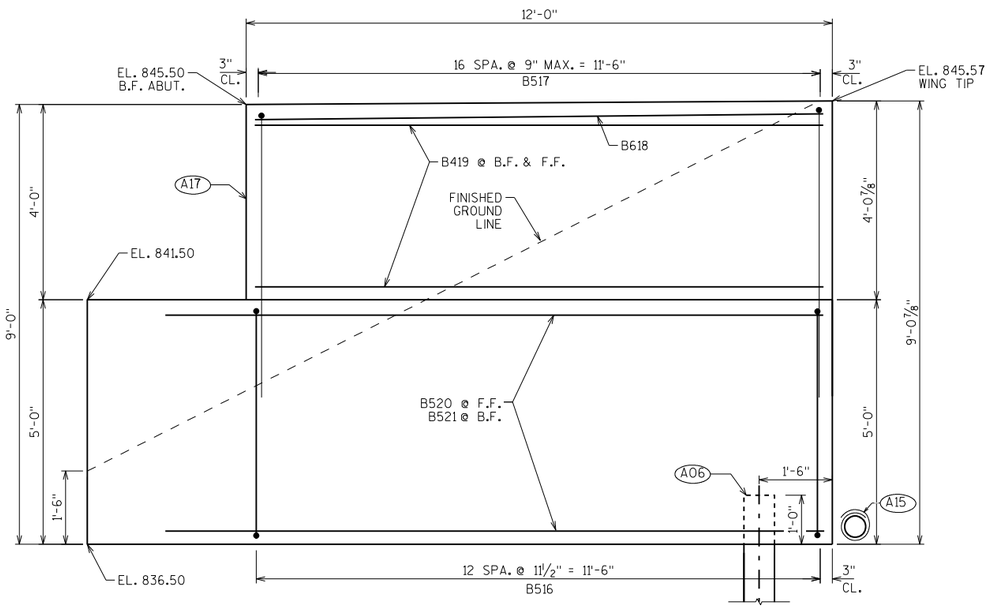
B510, B517



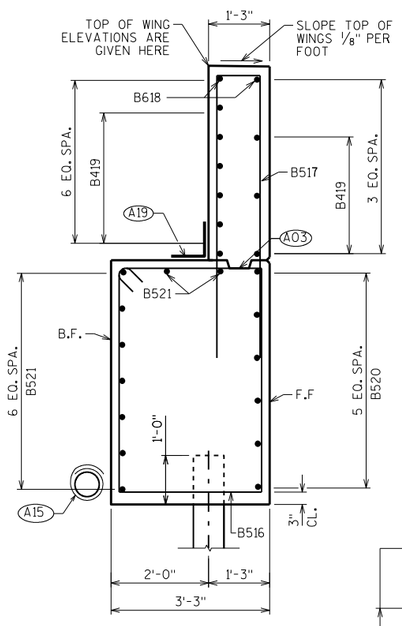
B501, B511, B516



B407, B506



WING 4 ELEVATION



WING 4 SECTION

(A03) OPTIONAL CONST. JOINT: KEYWAY FORMED BY BEVELED 2 x 6. (18" RMW @ B.F. & 3/4" "V" GROOVE @ F.F. IF JOINT IS USED).

(A06) SUPPORT WINGWALL ON HP 12 x 53 STEEL PILING, ESTIMATED 30'-0" LONG WITH A REQUIRED DRIVING RESISTANCE OF 220 TONS PER PILE.

(A15) PIPE UNDERDRAIN WRAPPED (6-INCH). SLOPE 0.5% MIN. TO SUITABLE DRAINAGE. RODENT SHIELD REQUIRED.

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(A19) 18" (RMW) RUBBERIZED MEMBRANE WATERPROOFING SEAL ALL HORIZ. & VERT. JOINTS AT BACKFACE.

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STRUCTURES DESIGN SECTION

STRUCTURE B-44-293

DRAWN BY JJS | PLANS CK'D. SEW

EAST ABUTMENT DETAILS

SHEET 7

PRE_200

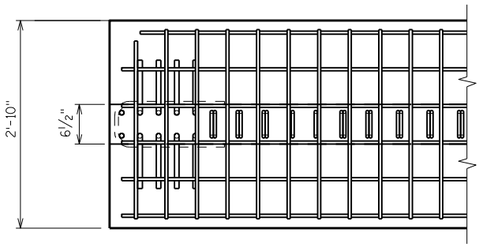
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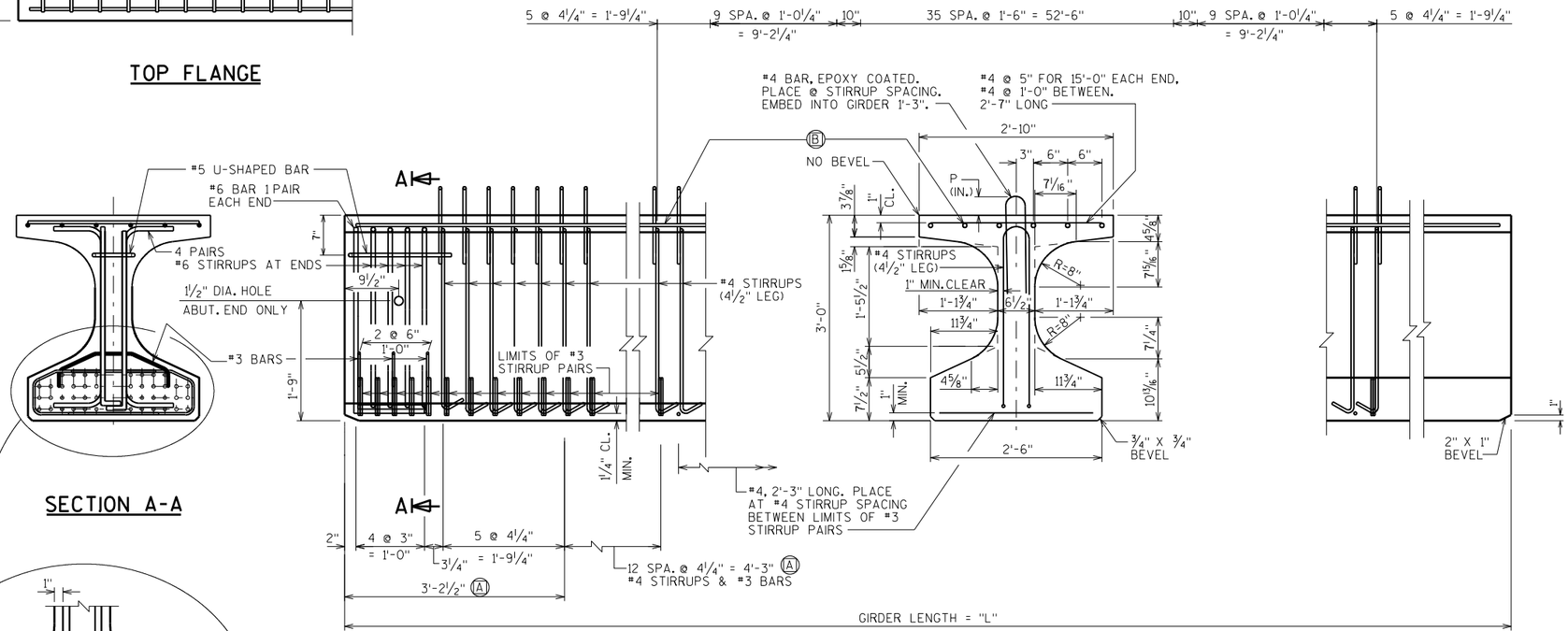
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STATE PROJECT NUMBER

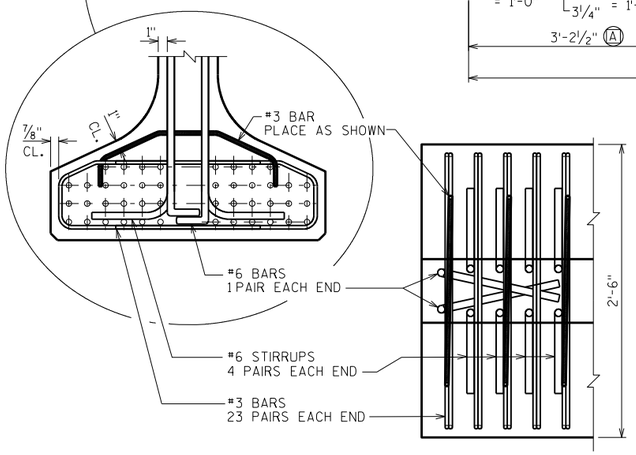
1146-75-71



TOP FLANGE



SECTION A-A



BOTTOM FLANGE

SIDE VIEW & TYPICAL SECTION IN SPAN

Ⓐ DETAIL TYP. AT EACH END

Ⓑ 6 #4 BARS, FULL LENGTH, MIN. LAP = 1'-11"

NOTES

TOP OF GIRDER TO BE ROUGH FLOATED AND BROOMED TRANSVERSELY, EXCEPT THE THE OUTSIDE 8" OF GIRDER, WHICH SHALL RECEIVE A SMOOTH FINISH. AN APPROVED CONCRETE SEALER SHALL BE APPLIED TO ALL SMOOTH SURFACES INCLUDING THE OUTSIDE 8" OF THE TOP FLANGE.

DO NOT APPLY CONCRETE SEALER TO SURFACES RECEIVING APPLICATION OF CONCRETE STAINING.

THE GIRDERS SHALL BE PROVIDED WITH A SUITABLE LIFTING DEVICE FOR HANDLING AND ERECTING THE GIRDERS. SEE SECT. 503.3.3 OF STANDARD SPECIFICATIONS FOR GUIDANCE.

STRANDS SHALL BE FLUSH WITH END OF GIRDER. FOR GIRDER ENDS EMBEDDED COMPLETELY IN CONCRETE, END OF STRANDS SHALL BE COATED WITH NON-BITUMINOUS JOINT SEALER. FOR GIRDER ENDS THAT ARE FINALLY EXPOSED, COAT THE GIRDER ENDS, EXPOSED STRAND ENDS AND ALL NON-BONDING SURFACES WITHIN 2 FEET OF THE GIRDER ENDS WITH A NON-PIGMENTED EPOXY CONFORMING TO AASHTO M-235 TYPE III, GRADE 2, CLASS B OR C. THE EPOXY SHALL BE APPLIED AT LEAST 3 DAYS AFTER MOIST CURING HAS CEASED AND PRIOR TO THE APPLICATION OF THE SEALER.

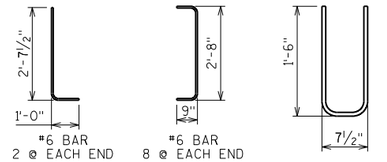
ALL GIRDERS SHALL BE CAST FULL LENGTH AS SHOWN.

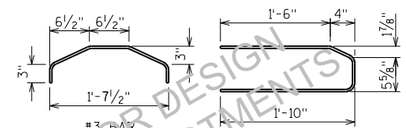
SPACING SHOWN FOR #4 STIRRUPS IS FOR GRADE 60 REINFORCEMENT.

AN ALTERNATE EQUIVALENT OF WELDED WIRE FABRIC (WWF) ASTM A497 MAY BE SUBSTITUTED FOR THE STIRRUP REINFORCEMENT SHOWN, UPON APPROVAL OF THE STRUCTURES DEVELOPMENT SECTION.

PRESTRESSING STRANDS SHALL BE (0.6" DIA.)-7 WIRE LOW-RELAXATION STRANDS WITH AN ULTIMATE STRENGTH OF 270,000 PSI.

FOR DIAPHRAGM SPACING, INSERT & CONNECTION DETAILS SEE "STEEL DIAPHRAGM" SHEET.





✳ MINIMUM CYLINDER STRENGTH OF CONCRETE @ TIME OF TRANSFER OF PRESTRESS FORCE.

GIRDER DATA

SPAN	GIRDER	GIRDER LENGTH "L"	DEAD LOAD DEFL. (IN.)									CONC. STRGTH. f'c (p.s.i.)	"P" 1ST ⅓ OF GIRDER	"P" MID ⅓ OF GIRDER	"P" END ⅓ OF GIRDER	DIA. OF STRAND (IN.)	DRAPED PATTERN						UNDRAPED PATTERN	
			1/10	2/10	3/10	4/10	5/10	6/10	7/10	8/10	9/10						TOTAL NO. OF STRANDS	f'ci (P.S.I.) ✳	(IN.) "A"	"B" MIN.	"B" MAX.	"C"	TOTAL NO. OF STRANDS	f'ci (P.S.I.) ✳
1	1-7	91	0.6	1.1	1.5	1.8	1.8	1.8	1.5	1.1	0.6	8,000	8	7	8	0.6	30	6,800	32	11	14	4		

APPROVED FOR DESIGN OF UTILITY ADJUSTMENTS OCTOBER 2019

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STATE OF WISCONSIN
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STRUCTURES DESIGN SECTION

STRUCTURE B-44-293

DRAWN BY JJS | PLANS CK'D. SEW

36W" PRESTRESSED GIRDER DETAILS 1 PRE_201

SHEET 8

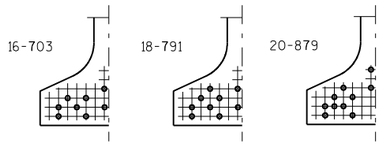
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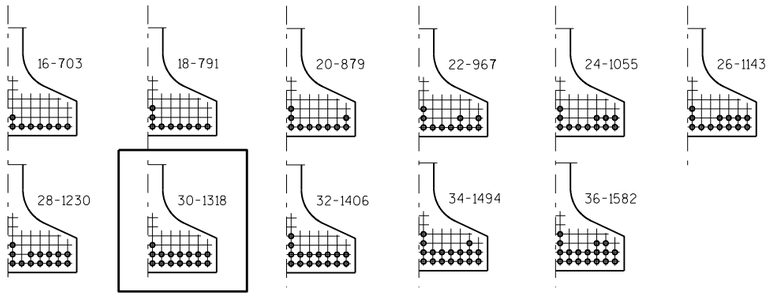
STATE PROJECT NUMBER

1146-75-71



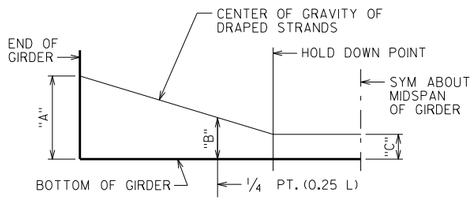
STANDARD ARRANGEMENTS TO RAISE CENTER OF GRAVITY TO AVOID DRAPING OF STRANDS

0.6" DIA. STRANDS

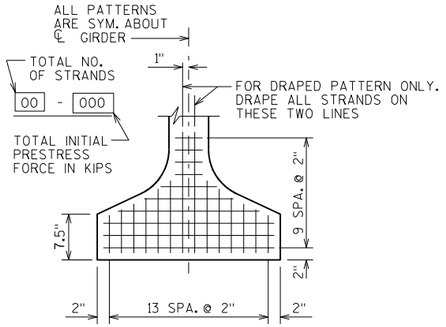


ARRANGEMENT AT ℄ SPAN - FOR GIRDERS WITH DRAPED STRANDS

0.6" DIA. STRANDS



DRAPED STRAND PROFILE



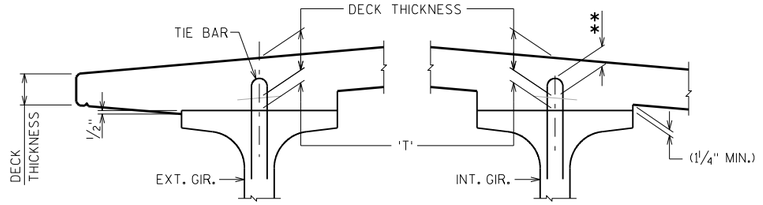
TYP. STRAND PATTERN

*THE THEORETICAL INITIAL CAMBER VALUE AT THE TIME OF STRAND RELEASE AT MIDSPAN MULTIPLIED BY A FACTOR OF 1.4 TO ACCOUNT FOR CAMBER GROWTH FROM THE TIME OF STRAND RELEASE TO JOBSITE PLACEMENT.

SPAN	CAMBER (IN.) *
1	3.49

THESE VALUES ARE NOT TO BE USED IN DETERMINING 'T', USE ACTUAL GIRDER SHOTS.

THESE VALUES ARE FOR INFORMATIONAL PURPOSES ONLY.



DECK HAUNCH DETAIL

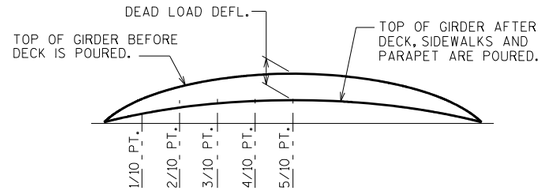
IF 1¼" MINIMUM HAUNCH HEIGHT AT EDGE OF GIRDER CANNOT BE MAINTAINED, THE GRADE LINE MAY BE REVISED BY THE ENGINEER AT THE OPTION OF THE CONTRACTOR. THE PLAN DECK THICKNESS SHALL BE HELD. NOTIFY THE STRUCTURES SECTION IF THE GRADE LINE IS RAISED FROM THE PLAN PROFILE BY MORE THAN ½" OR,

** IF 3" MINIMUM DECK EMBEDMENT OF TIE BAR CANNOT BE OBTAINED.

TO DETERMINE 'T', ELEV. OF TOP OF GIR'S. AT ℄ OF SUBSTRUCTURE UNITS & AT 1/10 POINTS OF EACH SPAN SHALL BE TAKEN. THEN FOLLOW THIS PROCESS:

TOP OF DECK ELEV. AT FINAL GRADE
- TOP OF GIRDER ELEVATION
+ DEAD LOAD DEFLECTION
- DECK THICKNESS
= HAUNCH HEIGHT 'T'

NOTE: AN AVERAGE HAUNCH ('T') OF 3.04" WAS USED IN THE QUANTITY "CONCRETE MASONRY BRIDGES".



DEAD LOAD DEFLECTION DIAGRAM

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STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-44-293

DRAWN BY JJS | PLANS CK'D. SEW

36W" PRESTRESSED GIRDER DETAILS 2 PRE_202

SHEET 9

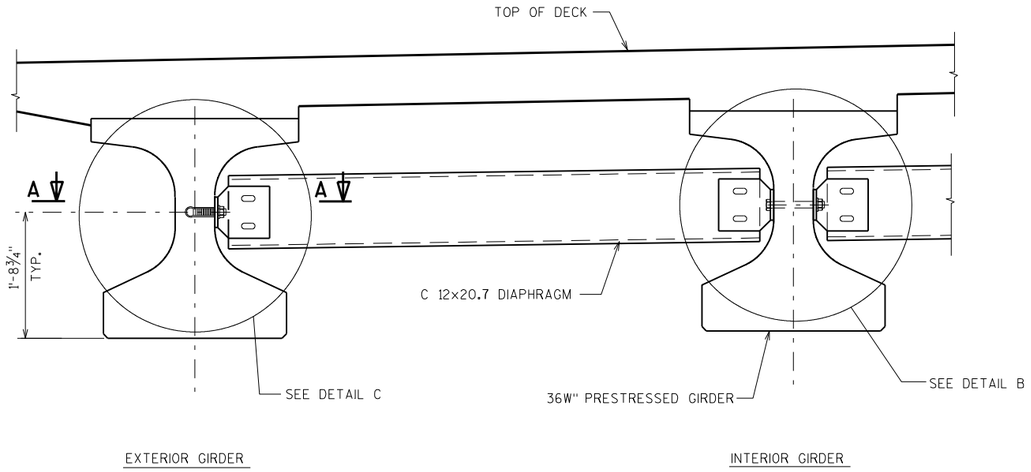
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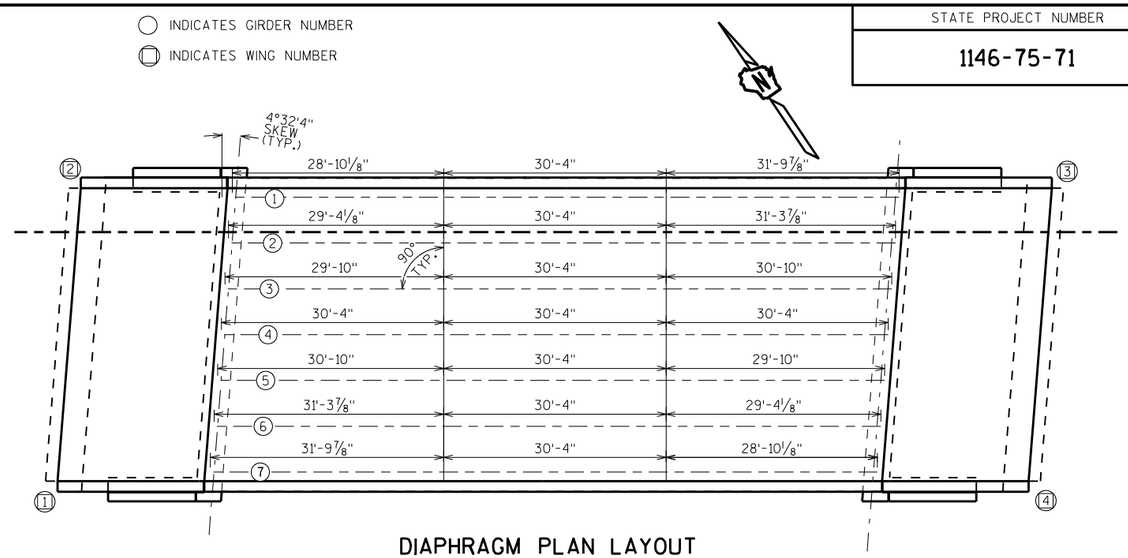
8

STATE PROJECT NUMBER

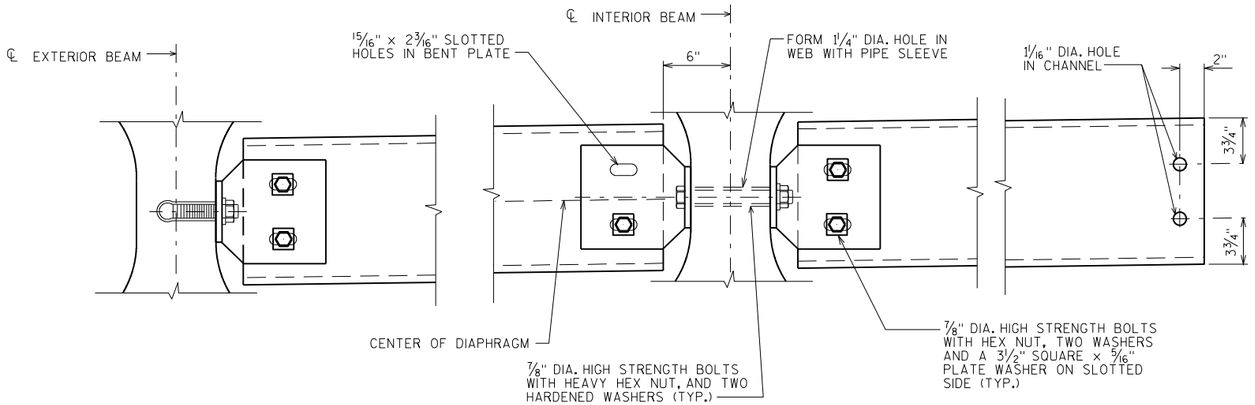
1146-75-71



PART TRANSVERSE SECTION AT DIAPHRAGM



DIAPHRAGM PLAN LAYOUT



DETAIL C

DETAIL B

NOTES

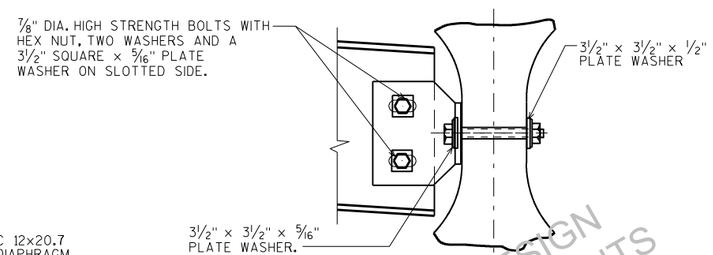
ALL DIAPHRAGM MATERIAL NOT EMBEDDED IN THE CONCRETE GIRDER SHALL BE PAID FOR AT THE UNIT PRICE BID FOR "STEEL DIAPHRAGMS B-44-293", EACH.

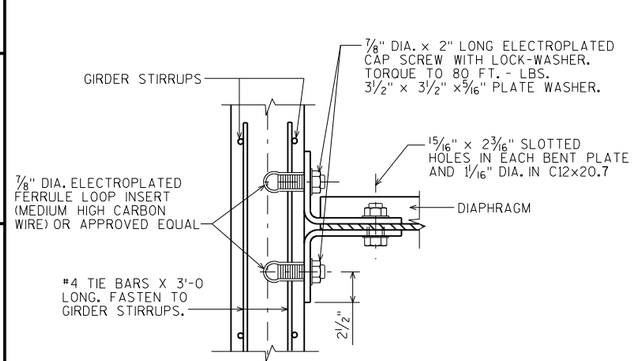
EACH DIAPHRAGM BETWEEN GIRDERS SHALL CONSTITUTE ONE UNIT.

ALL DIAPHRAGM STRUCTURAL STEEL SHALL BE ASTM A709 GRADE 36.

ALL DIAPHRAGM MATERIAL INCLUDING BOLTS, NUTS AND WASHERS SHALL BE GALVANIZED AFTER FABRICATION.

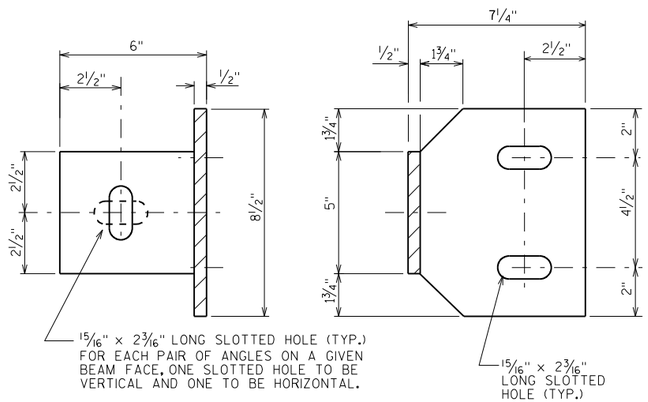
STEEL DIAPHRAGM TO CONCRETE WEB CONNECTION SHALL BE SNUG-TIGHT PLUS ¼ TURN, UNLESS NOTED OTHERWISE. HIGH STRENGTH BOLTS FOR WEB CONNECTION SHALL MEET THE REQUIREMENTS FOR ASTM A325 OR ASTM A449.





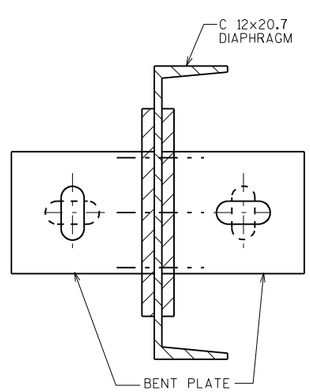
SECTION A-A

(FOR EXTERIOR ATTACHMENT)



BEAM FACE

DIAPHRAGM FACE



ATTACHMENT TO CHANNEL

SECTION AT INTERIOR GIRDERS THRU DIAPHRAGM FOR SKEW ANGLES > 10°

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DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-44-293

DRAWN BY JJS | PLANS CK'D. SEW

STEEL DIAPHRAGM

SHEET 10

PRE_203

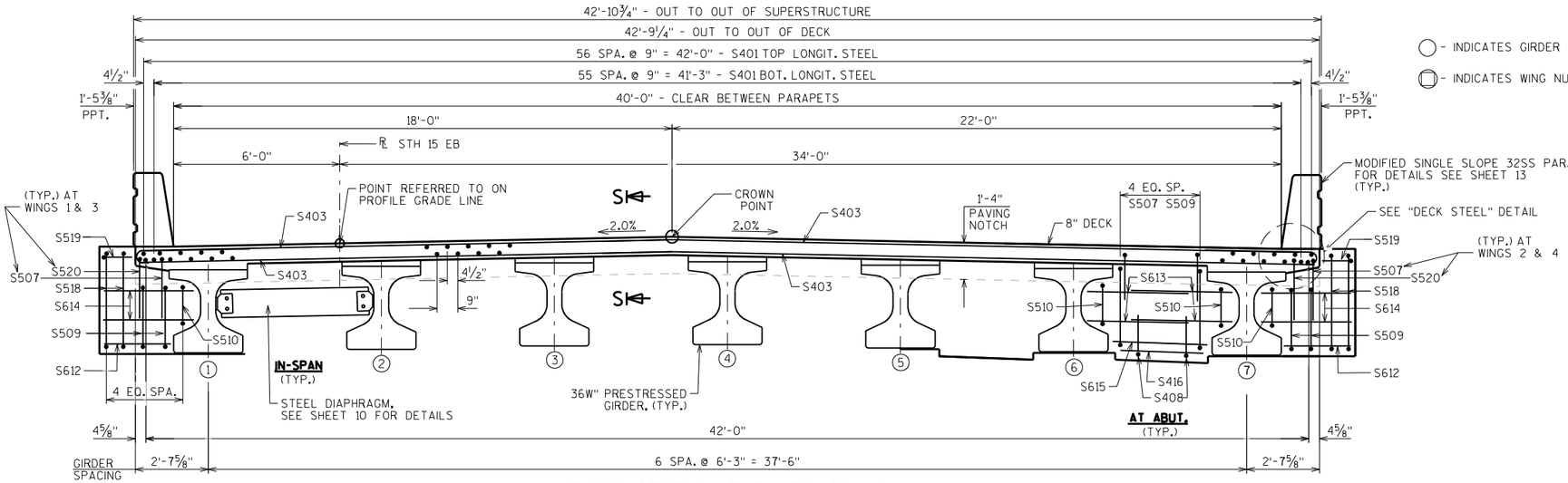
SCALE = 1.00

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8

STATE PROJECT NUMBER

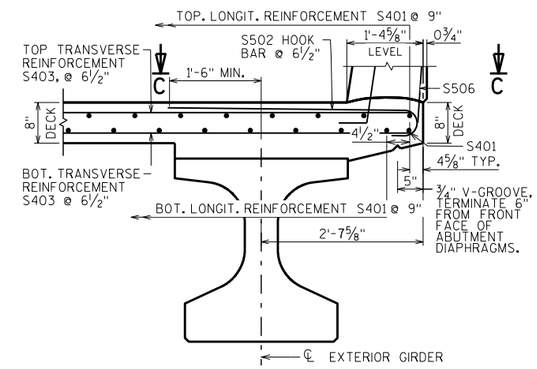
1146-75-71



CROSS SECTION THRU ROADWAY

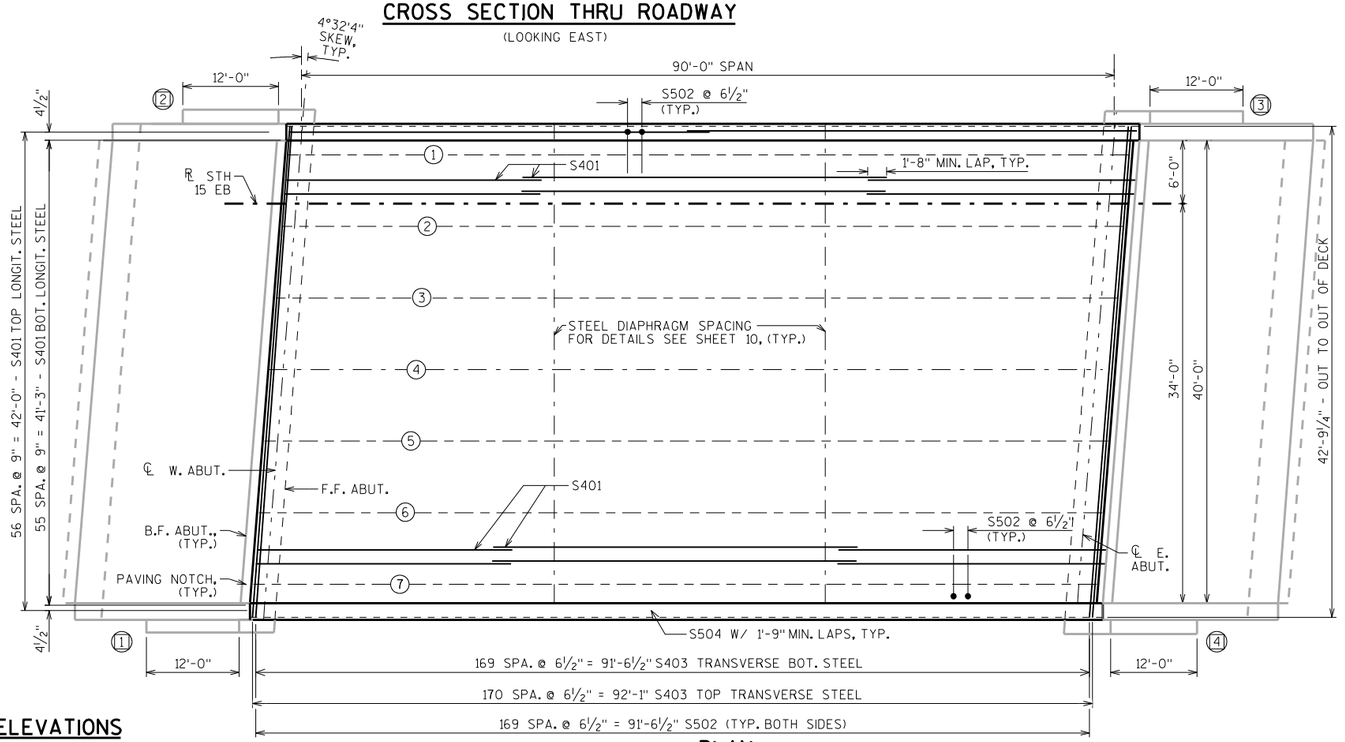
(LOOKING EAST)

- ◯ - INDICATES GIRDER NUMBER
- ⬡ - INDICATES WING NUMBER

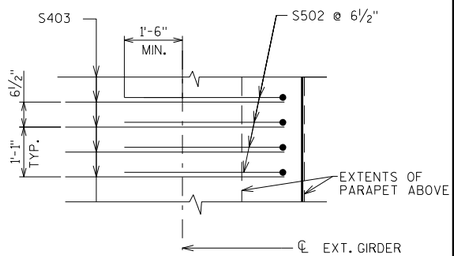


DECK STEEL DETAIL

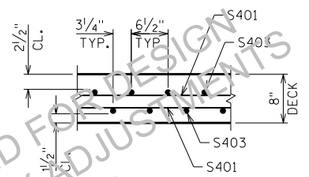
(TYP. AT BOTH EDGES)



PLAN



PLAN C-C



SECTION S-S

TOP OF DECK ELEVATIONS

EOD= EDGE OF DECK	℄ BRG. W. ABUT.	1/10 PT.	2/10 PT.	3/10 PT.	4/10 PT.	5/10 PT.	6/10 PT.	7/10 PT.	8/10 PT.	9/10 PT.	℄ E. ABUT.
N. EOD	845.03	845.09	845.15	845.22	845.28	845.33	845.39	845.44	845.50	845.55	845.60
G1	845.05	845.11	845.18	845.24	845.30	845.36	845.41	845.47	845.52	845.57	845.62
G2	845.17	845.24	845.30	845.36	845.42	845.48	845.54	845.59	845.64	845.69	845.74
G3	845.29	845.36	845.42	845.48	845.54	845.60	845.66	845.71	845.76	845.82	845.87
G4	845.33	845.40	845.46	845.52	845.58	845.64	845.70	845.75	845.81	845.86	845.91
G5	845.21	845.27	845.33	845.40	845.46	845.51	845.57	845.63	845.68	845.73	845.78
G6	845.08	845.14	845.21	845.27	845.33	845.39	845.44	845.50	845.55	845.60	845.65
G7	844.95	845.01	845.08	845.14	845.20	845.26	845.31	845.37	845.42	845.48	845.52
S. EOD	844.92	844.99	845.05	845.11	845.17	845.23	845.29	845.34	845.40	845.45	845.50

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STRUCTURES DESIGN SECTION

STRUCTURE B-44-293

DRAWN BY JJS | PLANS CK'D. SEW

SUPERSTRUCTURE

SHEET 11

PRE_204

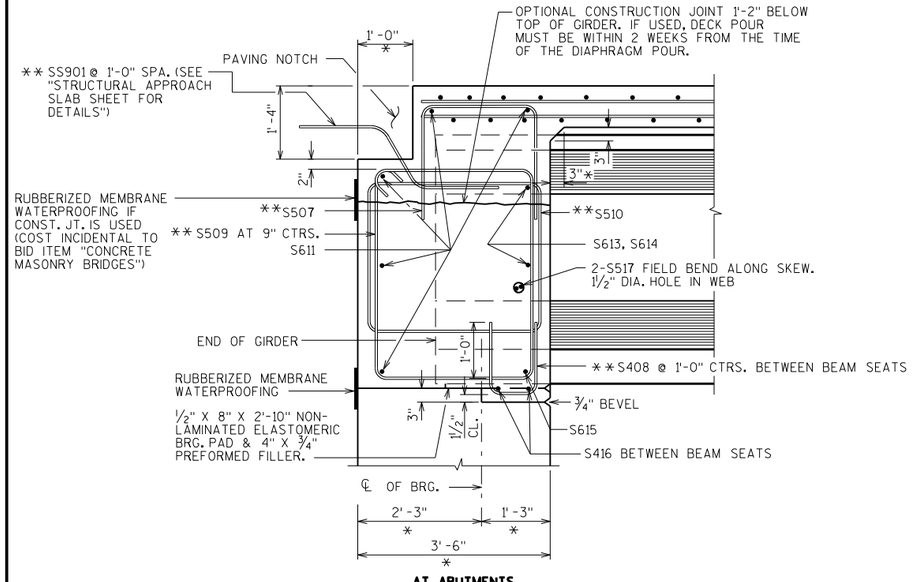
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8

8

STATE PROJECT NUMBER

1146-75-71

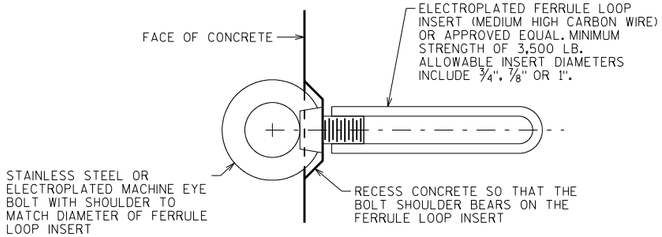


AT ABUTMENTS

PART LONGIT. SECTION

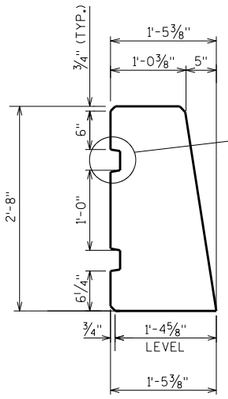
* DIMENSION IS TAKEN NORMAL TO ℄ SUBSTRUCTURE UNITS.

** BARS PLACED PARALLEL TO GIRDERS SPACING PERPENDICULAR TO ℄ GIRDERS

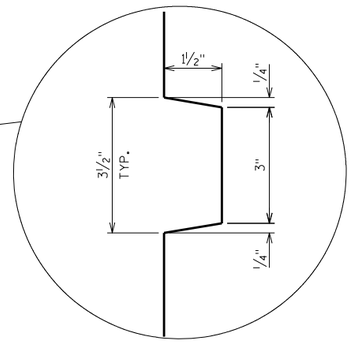


EYE BOLT DETAIL

COST INCIDENTAL TO BID ITEM "CONCRETE MASONRY BRIDGES".



MODIFIED 32SS PARAPET



DETAIL A

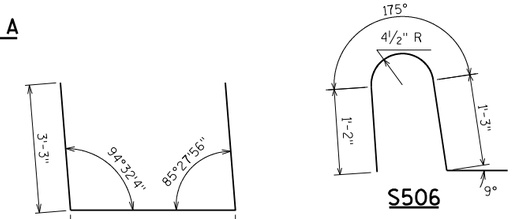
BILL OF BARS

NOTE: THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE.

BAR MARK	COAT	NO. REQ'D.	LENGTH	BENT	BAR SERIES	LOCATION
S401	X	345	31'-10"			LONGITUNDINAL TOP & BOTTOM
S502	X	340	4'-7"	X		TRANSVERSE EDGE OF DECK TOP
S403	X	341	42'-5"			TRANSVERSE TOP AND BOTTOM
S504	X	24	47'-0"			PARAPET 32SS -HORIZ.
S505	X	278	5'-0"	X		PARAPET 32SS - VERT.
S506	X	278	4'-5"	X		PARAPET 32SS -VERT.
S507	X	64	6'-3"	X		ABUT. DIAPHRAGM -VERT.
S408	X	48	3'-5"	X		ABUT. DIAPHRAGM -VERT.
S509	X	68	11'-8"	X		ABUT. DIAPHRAGM - STIRRUP
S510	X	28	9'-10"	X		ABUT. DIAPHRAGM - STIRRUP
S611	X	10	42'-5"			ABUT. DIAPHRAGM - HORIZ. -B.F
S612	X	4	2'-5"			ABUT. DIAPHRAGM - HORIZ. -F.F ENDS
S613	X	48	3'-8"			ABUT. DIAPHRAGM - HORIZ. -F.F
S614	X	8	9'-4"	X		ABUT. DIAPHRAGM ENDS - HORIZ. -F.F
S615	X	12	3'-5"			ABUT. DIAPHRAGM - HORIZ.
S416	X	24	2'-5"			ABUT. DIAPHRAGM - HORIZ.
S517	X	28	6'-0"			ABUT. DIAPHRAGM - HORIZ.
S518	X	8	14'-0"	X		ABUT. DIAPHRAGM ENDS
S519	X	4	4'-6"	X		ABUT. DIAPHRAGM ENDS
S520	X	4	7'-1"	X		ABUT. DIAPHRAGM ENDS

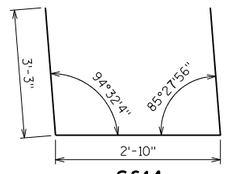
SS901		86	5'-0"	X		CONC. ABUT. DIAPH. TO STRUCT. SLAB TIE

STAINLESS STEEL REINFORCEMENT

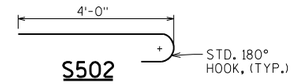


S506

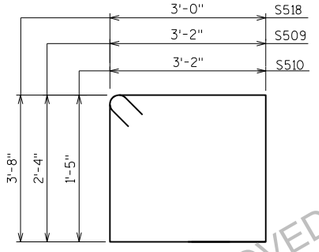
S505



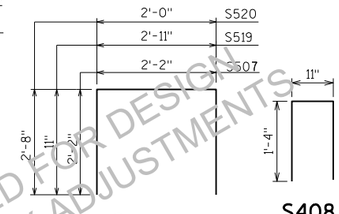
S614



S502

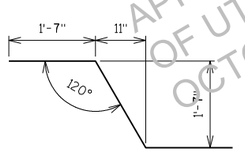


S509, S510, S518



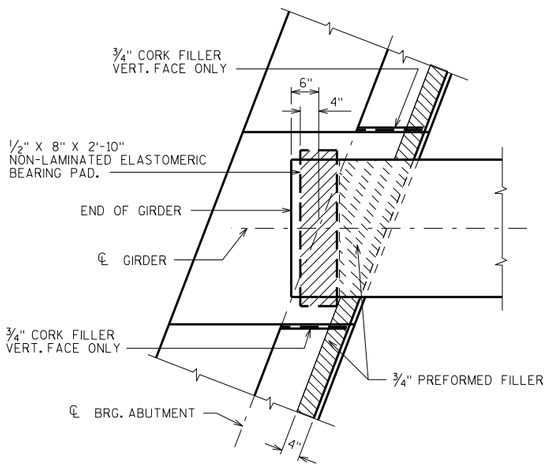
S507, S519, S520

S408

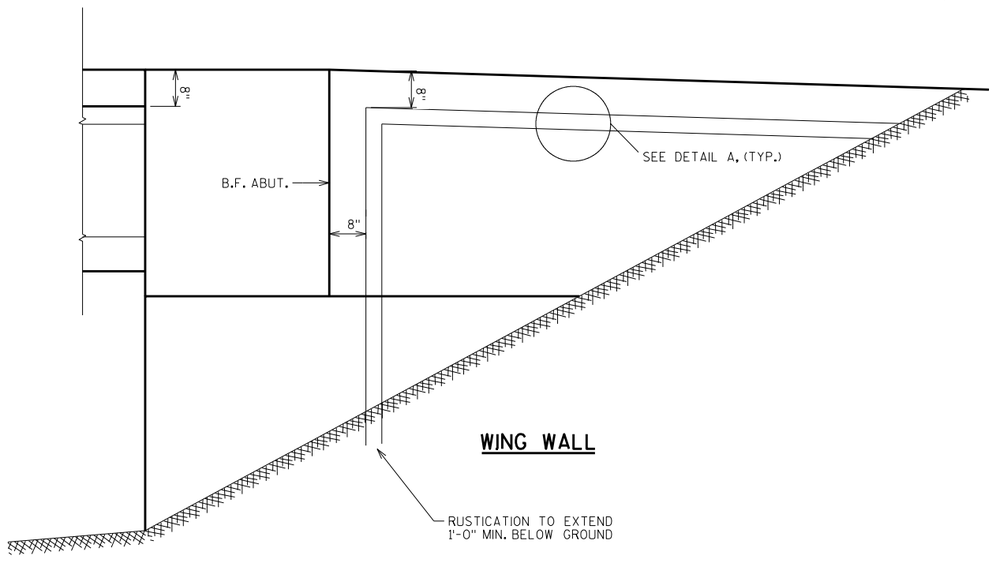


SS901

(STAINLESS STEEL)



BEARING PAD DETAIL



WING WALL

APPROVED FOR DESIGN OF UTILITY ADJUSTMENTS OCTOBER 2019

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STATE OF WISCONSIN
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STRUCTURES DESIGN SECTION

STRUCTURE B-44-293

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SUPERSTRUCTURE DETAILS

SHEET 12

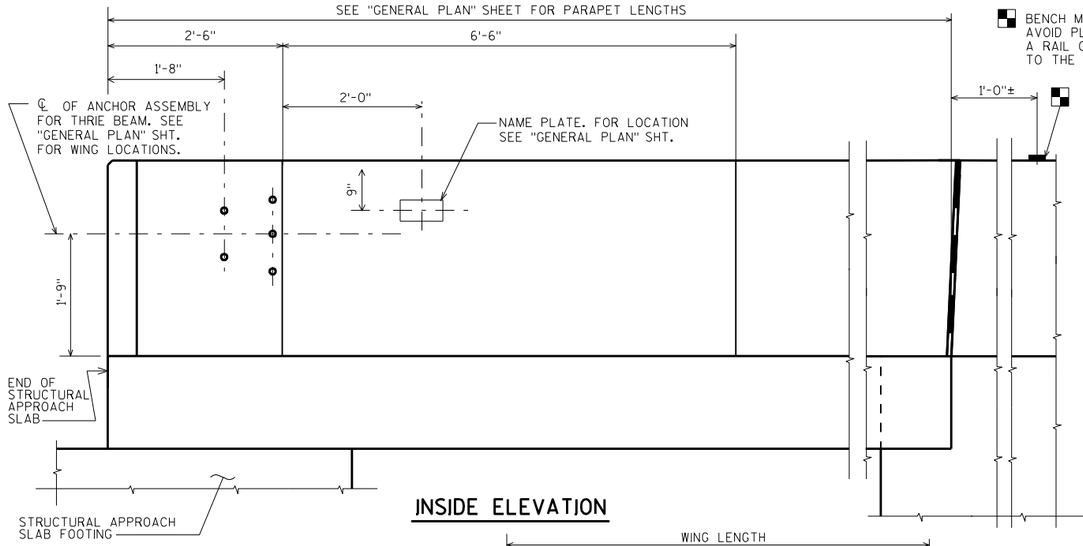
PRE_205

SCALE = 1.33

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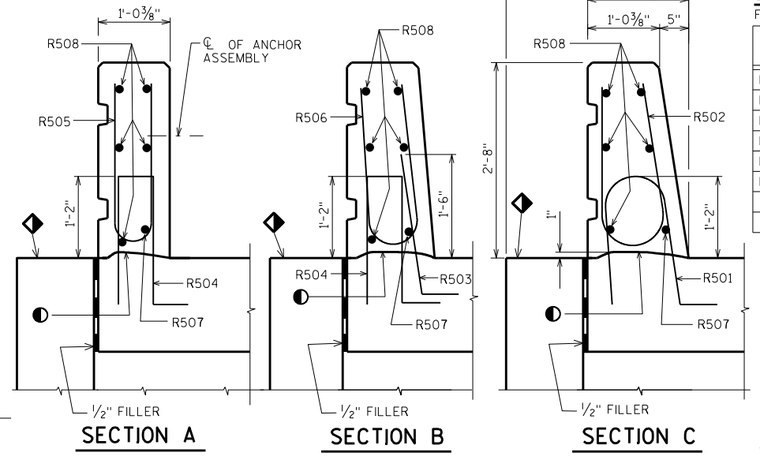
8

STATE PROJECT NUMBER
1146-75-71



INSIDE ELEVATION

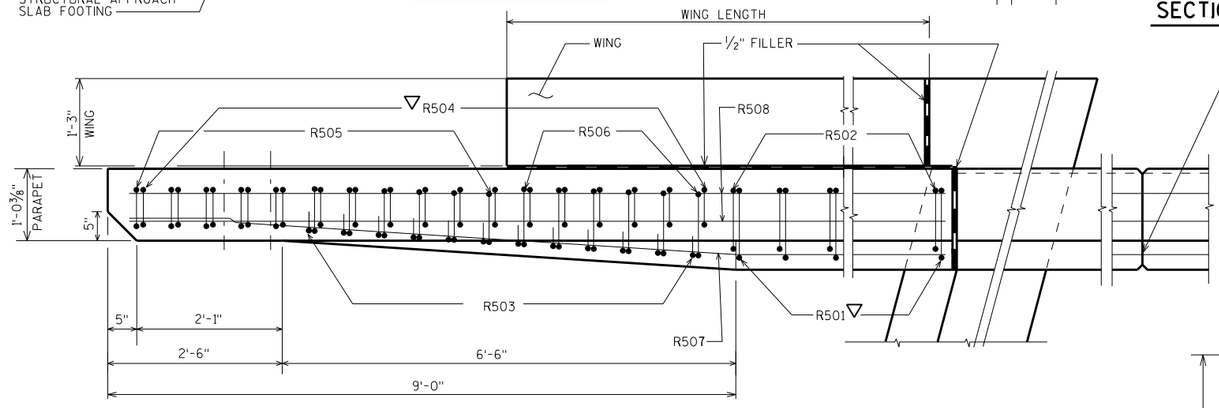
BENCH MARK CAP (WHEN SUPPLIED). AVOID PLACING A BENCH MARK CAP BELOW A RAIL OR FENCE SYSTEM THAT IS ATTACHED TO THE TOP OF THE PARAPET.



BILL OF BARS

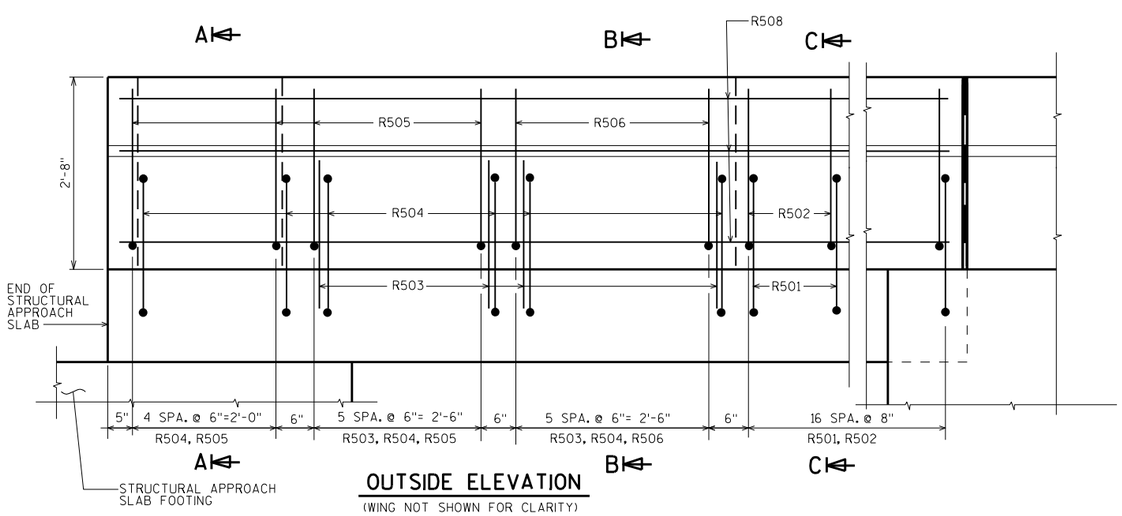
FOR STRUCTURAL APPROACH SLAB PARAPETS

BAR MARK	COAT	W.APP. SLAB	E.APP. SLAB	LENGTH	BENT	BAR SERIES	LOCATION
R501	X	34	34	4'-5"	X		PARAPET VERT.
R502	X	34	34	5'-0"	X		PARAPET VERT.
R503	X	24	24	2'-9"	X		PARAPET VERT.
R504	X	34	34	4'-4"	X		PARAPET VERT.
R505	X	22	22	4'-9"	X		PARAPET VERT.
R506	X	12	12	4'-10"	X		PARAPET VERT.
R507	X	2	2	19'-6"	X		PARAPET HORIZ.
R508	X	10	10	19'-6"			PARAPET HORIZ.

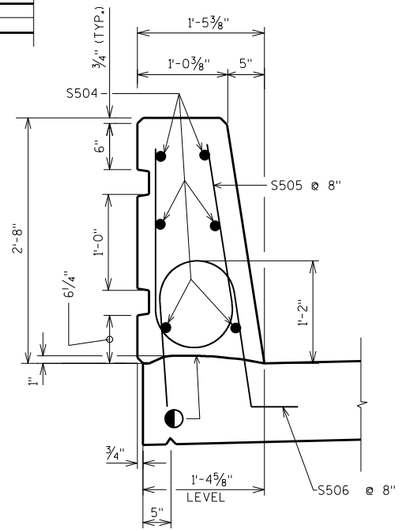


PLAN

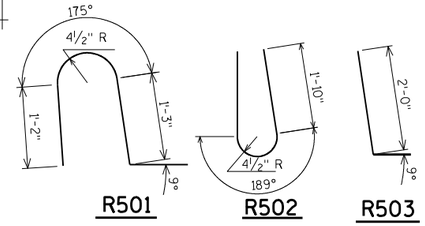
OPTIONAL CONSTRUCTION JOINTS IN THE PARAPETS MAY BE USED. RUN BAR REINF. THRU THE JOINT. LAP LONGIT. BARS A MIN. OF 1'-9". MIN. JOINT SPACING OF 80'-0". DEFINE CONST. JOINT WITH A ¾" - 'V' GROOVE.

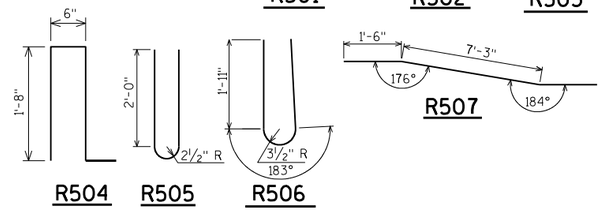


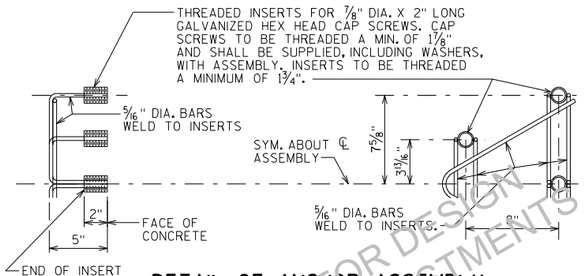
OUTSIDE ELEVATION
(WING NOT SHOWN FOR CLARITY)



SECTION THRU PARAPET ON BRIDGE







DETAIL OF ANCHOR ASSEMBLY

NOTE: HEX HEAD CAP SCREWS & WASHERS TO BE GALVANIZED IN ACCORDANCE WITH AASHTO M232 CLASS C.

ASSEMBLY SHALL BE BID ITEM "ANCHOR ASSEMBLIES FOR STEEL PLATE BEAM GUARD", EACH.

APPROVED FOR DESIGN OF UTILITY ADJUSTMENTS OCTOBER 2017

◆ SLOPE FOR DRAINAGE

◐ CONST. JOINT - STRIKE OFF AS SHOWN.

▽ R501 AND R504 BARS TO BE TIED TO STRUCTURAL APPROACH SLAB STEEL BEFORE STRUCTURAL APPROACH SLAB IS POURED.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-44-293

DRAWN BY JJS | PLANS CK'D. SEW

MODIFIED SINGLE SLOPE PARAPET 32SS

SHEET 13

PRE_206

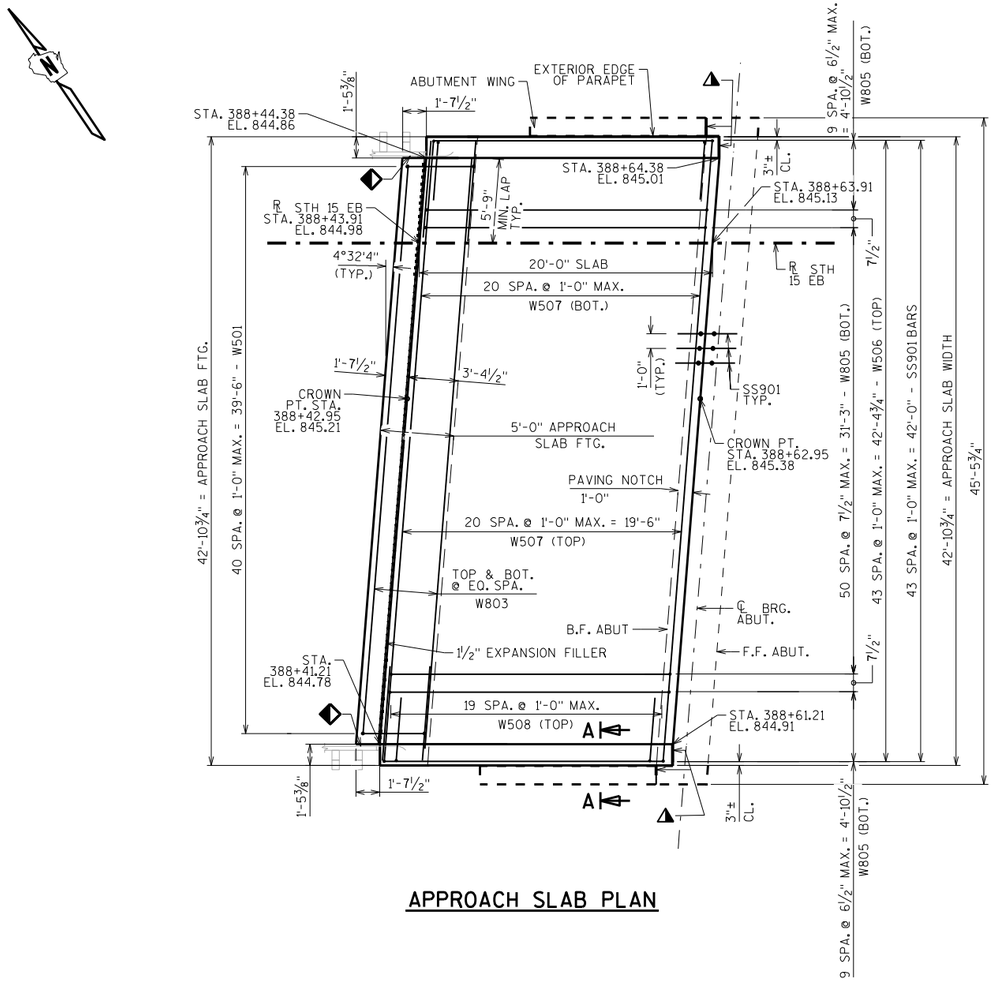
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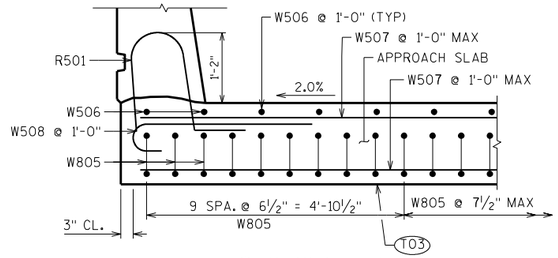
8

STATE PROJECT NUMBER

1146-75-71



APPROACH SLAB PLAN



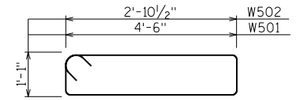
SECTION A-A

(NORTH END SIMILAR)

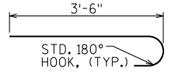
BILL OF BARS

NOTE: THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE.

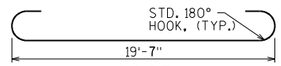
BAR MARK	COAT	NO. REQ'D.	LENGTH	BENT	LOCATION
W501	X	41	11'-10"	X	FOOTING - STIRRUP
W502	X	4	8'-7"	X	FOOTING - STIRRUP ENDS
W803	X	12	39'-9"		FOOTING - TRANS. - TOP & BTM.
W804	X	16	7'-2"		FOOTING END - TRANS.- TOP & BTM.
W805	X	71	21'-5"	X	SLAB - LONGIT. - BTM.
W506	X	44	19'-6"		SLAB - LONGIT. - TOP
W507	X	42	42'-6"		SLAB - TRANS. - TOP & BOT.
W508	X	40	4'-1"	X	SLAB-TRANS.-TOP EDGE- BTWN. W507



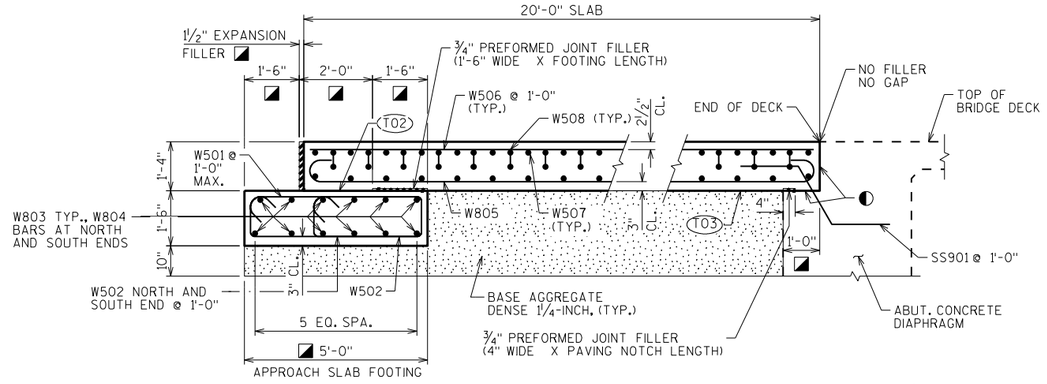
W501, W502



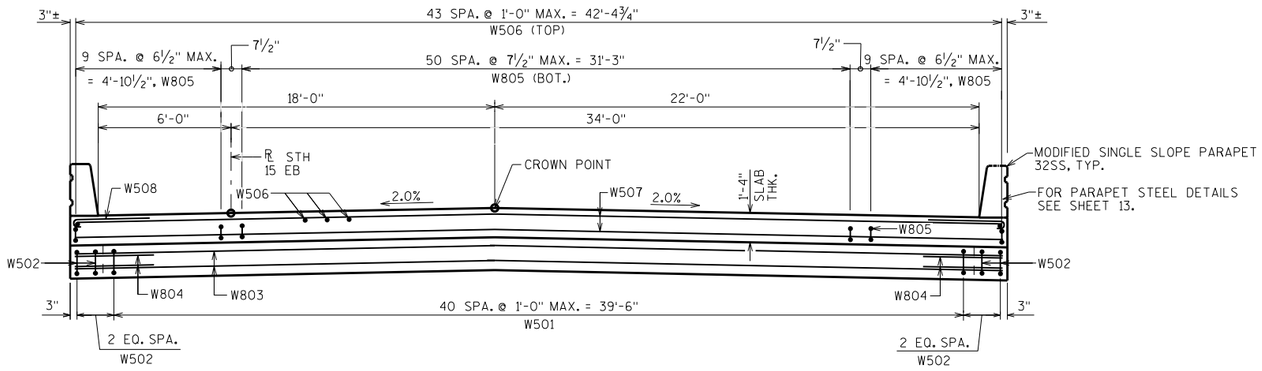
W508



W805



SECTION THRU APPROACH SLAB



CROSS SECTION THRU APPROACH SLAB

(LOOKING EAST)

◭ SEAL ALL EXPOSED HORIZ. & VERT. SURFACES OF 1/2" FILLER WITH NON-STAINING GRAY NON-BITUMINOUS JOINT SEALER. (1" DEEP AND HOLD 1/8" BELOW SURFACE OF CONCRETE). EXTEND SEALER 3" BELOW GUTTER LINE AT INSIDE FACE.

◐ APPLY PROTECTIVE SURFACE TREATMENT TO PAVING NOTCH SURFACES PRIOR TO POURING STRUCTURAL APPROACH SLAB.

◪ MEASURED NORMAL TO ABUTMENT

(T02) STEEL TROWEL TOP SURFACE OF FOOTING AND PLACE MULTIPLE LAYERS (0.03" MIN. TOTAL THK.) OF POLYETHYLENE SHEETS OVER THE ENTIRE LENGTH OF THE FOOTING.

(T03) PLACE MULTIPLE LAYERS (0.03" MIN. TOTAL THK.) OF POLYETHYLENE SHEETS OVER THE ENTIRE LENGTH OF THE SUBGRADE.

◒ CONST. JOINT - STRIKE OFF AS SHOWN.

◆ THRIE BEAM GUARD ATTACHMENT LOCATION

DESIGN DATA

ALLOWABLE SOIL BEARING PRESSURE	2,000 P.S.F
CONCRETE STRENGTH f'c	4,000 P.S.I.
BAR STEEL REINFORCMENT, GRADE 60	fy = 60,000 P.S.I.

APPROVED FOR DESIGN OF UTILITY ADJUSTMENTS OCTOBER 2019

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-44-293

DRAWN BY JJS | PLANS CK'D. SEW

WEST STRUCTURAL APPROACH SLAB PRE_207

SHEET 14

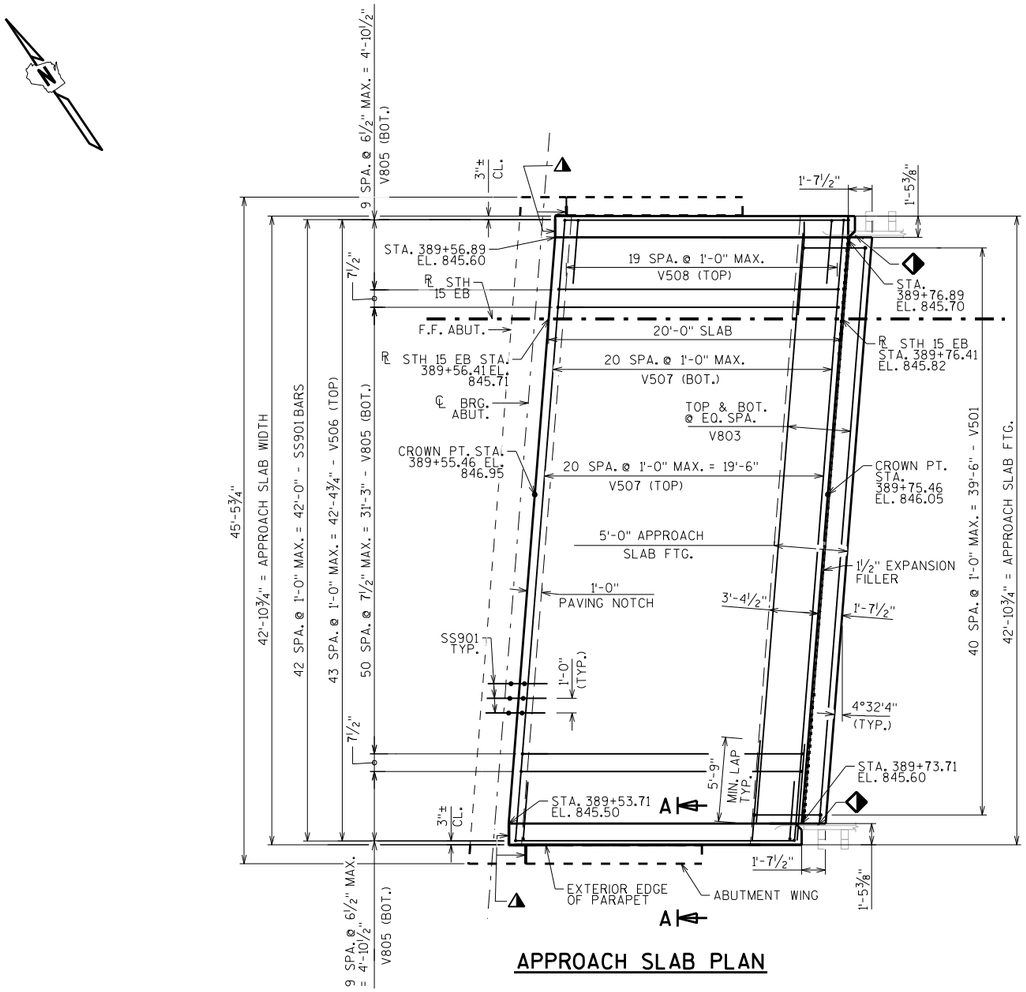
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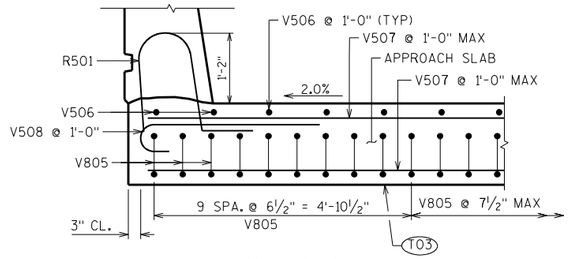
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STATE PROJECT NUMBER

1146-75-71



APPROACH SLAB PLAN



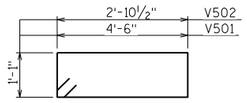
SECTION A-A

(NORTH END SIMILAR)

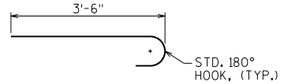
BILL OF BARS

NOTE: THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE.

BAR MARK	COAT	NO. REQ'D.	LENGTH	BENT	LOCATION
V501	X	41	11'-10"	X	FOOTING - STIRRUP
V502	X	4	8'-7"	X	FOOTING - STIRRUP ENDS
V803	X	12	39'-9"		FOOTING - TRANS. - TOP & BTM.
V804	X	16	7'-2"		FOOTING END - TRANS.
V805	X	71	21'-5"	X	SLAB - LONGIT. - BTM.
V506	X	44	19'-6"		SLAB - LONGIT. - TOP
V507	X	42	42'-6"		SLAB - TRANS. - TOP & BOT.
V508	X	40	4'-1"	X	SLAB END - BTWN. V507 - TRANS.



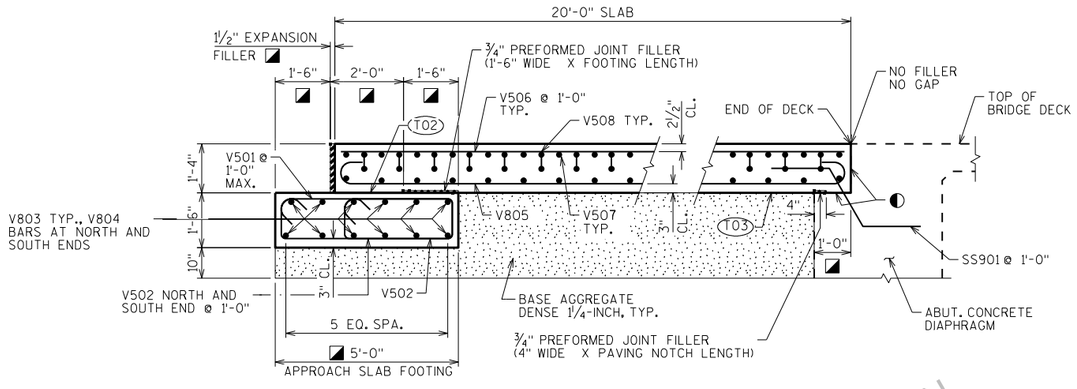
V501, V502



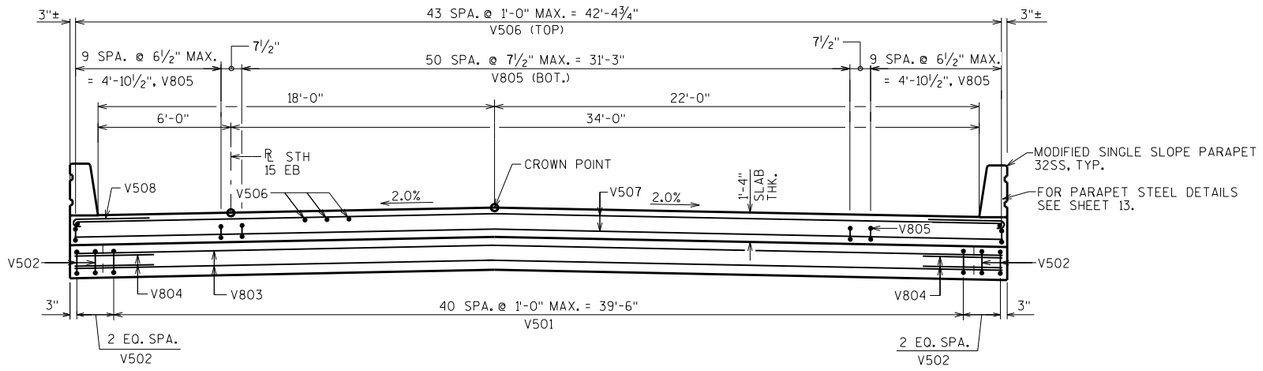
V508



V805



SECTION THRU APPROACH SLAB



CROSS SECTION THRU APPROACH SLAB

(LOOKING EAST)

- APPLY PROTECTIVE SURFACE TREATMENT TO PAVING NOTCH SURFACES PRIOR TO POURING STRUCTURAL APPROACH SLAB.
- MEASURED NORMAL TO ABUTMENT
- (T02) STEEL TROWEL TOP SURFACE OF FOOTING AND PLACE MULTIPLE LAYERS (0.03" MIN. TOTAL THK.) OF POLYETHYLENE SHEETS OVER THE ENTIRE LENGTH OF THE FOOTING.
- (T03) PLACE MULTIPLE LAYERS (0.03" MIN. TOTAL THK.) OF POLYETHYLENE SHEETS OVER THE ENTIRE LENGTH OF THE SUBGRADE.
- CONST. JOINT - STRIKE OFF AS SHOWN.
- THRIE BEAM GUARD ATTACHMENT LOCATION

▲ SEAL ALL EXPOSED HORIZ. & VERT. SURFACES OF 1/2" FILLER WITH NON-STAINING GRAY NON-BITUMINOUS JOINT SEALER. (1" DEEP AND HOLD 1/8" BELOW SURFACE OF CONCRETE). EXTEND SEALER 3" BELOW GUTTER LINE AT INSIDE FACE.

DESIGN DATA

ALLOWABLE SOIL BEARING PRESSURE	2,000 P.S.F.
CONCRETE STRENGTH f'c	4,000 P.S.I.
BAR STEEL REINFORCEMENT, GRADE 60 f'y	= 60,000 P.S.I.

APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS
OCTOBER 2019

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-44-293

DRAWN BY JJS | PLANS CK'D. SEW

EAST STRUCTURAL APPROACH SLAB

SHEET 15

PRE_208

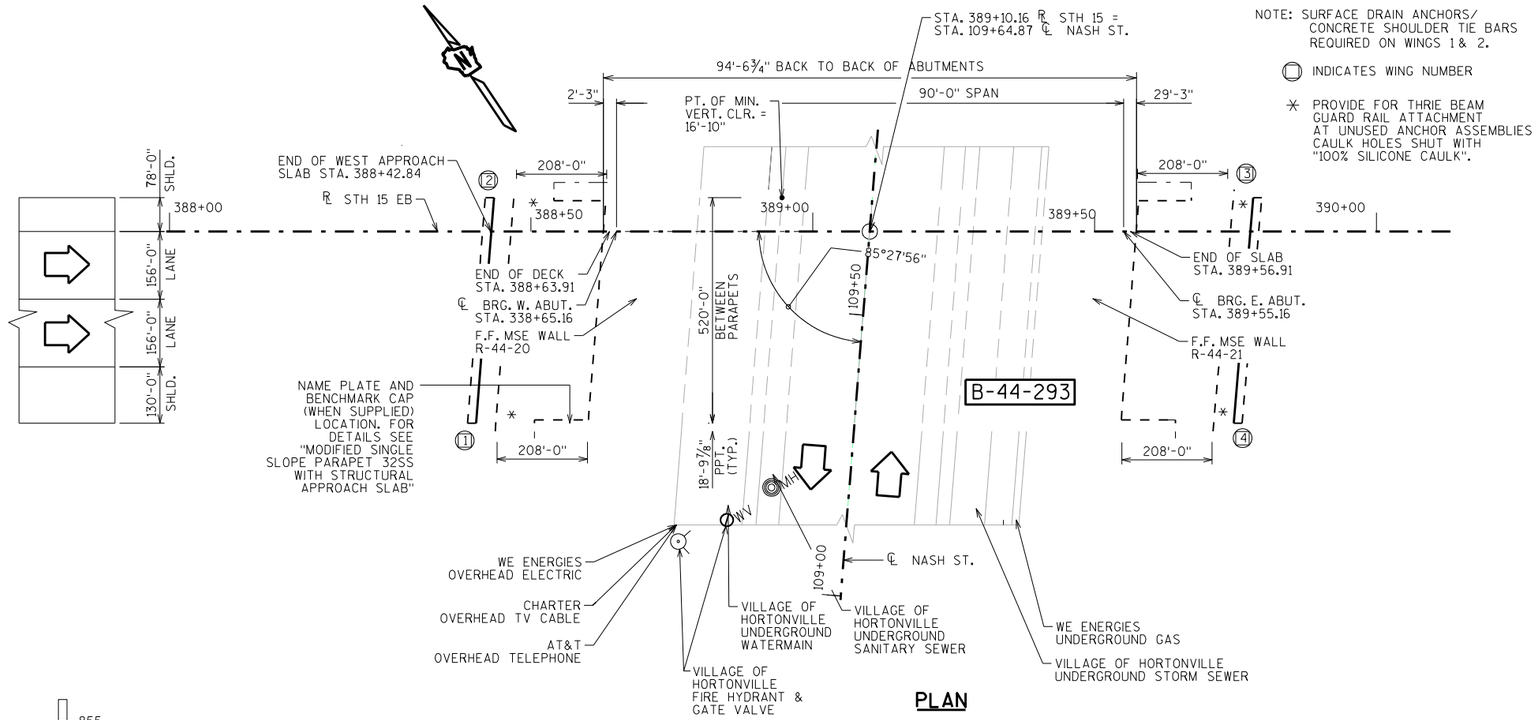
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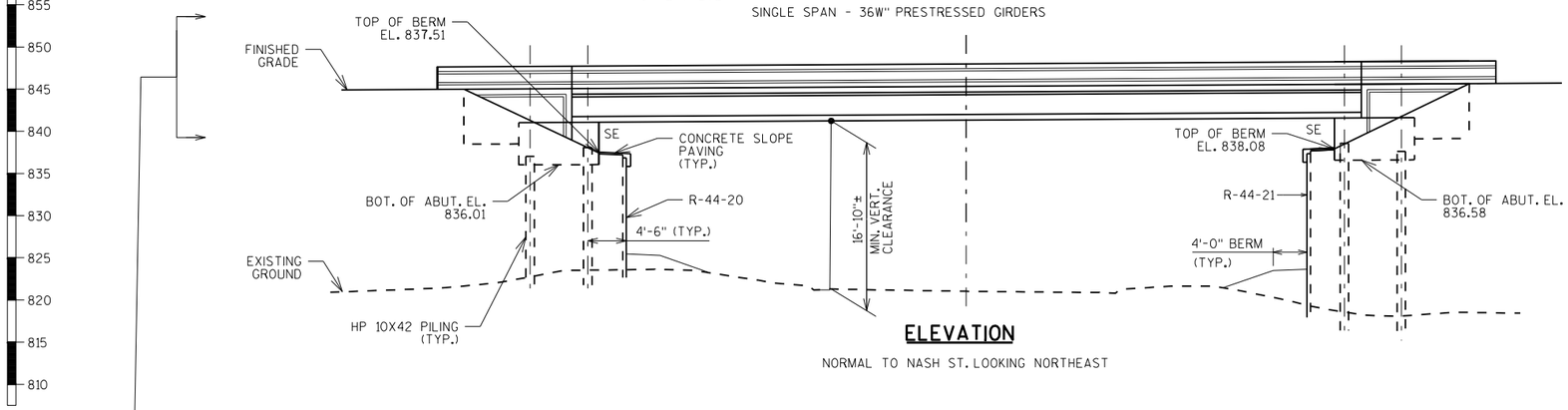
STATE PROJECT NUMBER

1146-75-71



PLAN

SINGLE SPAN - 36W" PRESTRESSED GIRDERS



ELEVATION

NORMAL TO NASH ST. LOOKING NORTHEAST

DESIGN DATA

LIVE LOAD:

DESIGN LOADING: HL-93
INVENTORY RATING FACTOR: RF=1.13
OPERATING RATING FACTOR: RF=1.60
WISCONSIN STANDARD PERMIT VEHICLE (WIS.-SPV): 250 (KIPS)

STRUCTURE IS DESIGNED FOR A FUTURE WEARING SURFACE OF 20 POUNDS PER SQUARE FOOT.

MATERIAL PROPERTIES:

CONCRETE MASONRY SUPERSTRUCTURE — 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 = 8,000 P.S.I.

STRANDS- 0.6" DIA. WITH ULTIMATE TENSILE STRENGTH OF 270,000 P.S.I.

HIGH STRENGTH STRUCTURAL STEEL A.S.T.M. A709 GRADE 50 — fy = 50,000 P.S.I.

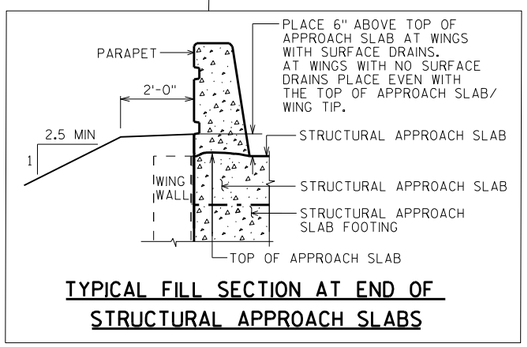
FOUNDATION DATA

ABUTMENTS TO BE SUPPORTED ON HP 10X42 STEEL PILING DRIVEN TO A REQUIRED DRIVING RESISTANCE OF 180 TONS ** PER PILE AS DETERMINED BY THE MODIFIED GATES DYNAMIC FORMULA.
ESTIMATED 25'-0" LONG AT THE WEST ABUTMENT, PILE POINTS REQUIRED.
ESTIMATED 30'-0" LONG AT THE EAST ABUTMENT, PILE POINTS REQUIRED.

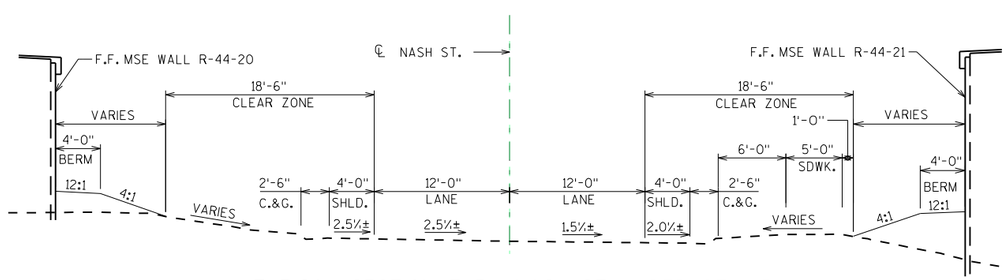
** THE FACTORED AXIAL RESISTANCE OF PILES IN COMPRESSION USED FOR DESIGN IS THE REQUIRED DRIVING RESISTANCE MULTIPLIED BY A RESISTANCE FACTOR OF 0.5 USING MODIFIED GATES TO DETERMINE DRIVEN PILE CAPACITY.

TRAFFIC VOLUME

STH 15	NASH ST.
A.D.T.=15,000 (2040)	A.D.T.=1,500 (2040)
R.D.S.=60 M.P.H.	R.D.S.=30 M.P.H.



TYPICAL FILL SECTION AT END OF STRUCTURAL APPROACH SLABS



TYPICAL SECTION THRU NASH ST. UNDER STH 15

NORMAL TO NASH ST. LOOKING NORTHEAST

LIST OF DRAWINGS

1. GENERAL PLAN
2. CROSS SECTION & QUANTITIES
3. SUBSURFACE EXPLORATION
4. WEST ABUTMENT
5. WEST ABUTMENT DETAILS
6. EAST ABUTMENT
7. EAST ABUTMENT DETAILS
8. 36W" PRESTRESSED GIRDER DETAILS 1
9. 36W" PRESTRESSED GIRDER DETAILS 2
10. STEEL DIAPHRAGM
11. SUPERSTRUCTURE
12. SUPERSTRUCTURE DETAILS
13. MODIFIED SINGLE SLOPE PARAPET 32SS WITH STRUCTURAL APPROACH SLAB
14. EAST STRUCTURAL APPROACH SLAB
15. WEST STRUCTURAL APPROACH SLAB

STRUCTURE DESIGN CONTACT:
JOHN SENDOR (608) 266-3163
AARON BONK (608) 261-0261

APPROVED FOR DESIGN OF UTILITY ADJUSTMENTS OCTOBER 2019

NO.	DATE	REVISION	BY

WISCONSIN DEPARTMENT OF TRANSPORTATION
BUREAU OF STRUCTURES

ACCEPTED _____ CHIEF STRUCTURES DESIGN ENGINEER _____ DATE

STRUCTURE B-44-294

COUNTY	VILLAGE
OUTAGAMIE	HORTONVILLE

DESIGN SPEC. AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS

DESIGNED BY	DESIGNED CK'D.	DRAWN BY	PLANS CK'D.
JJS		JJS	SEW

GENERAL PLAN

SHEET 1 OF 15

PRE_209

I.D. 1146-75-00C DATE: DEC. 2016

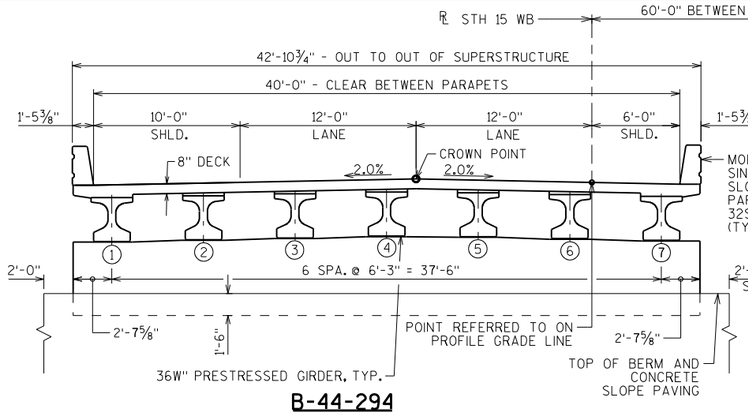
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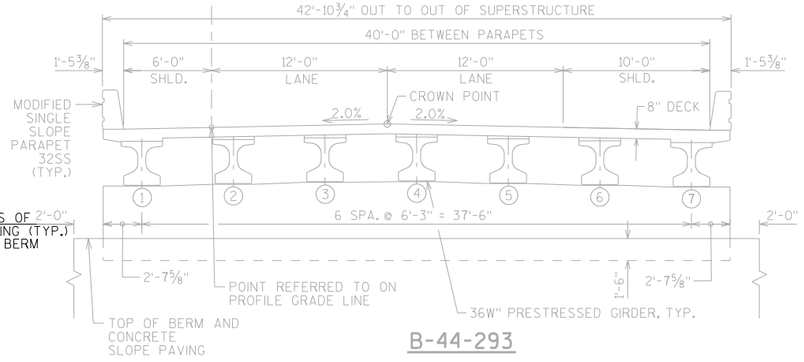
8

8

STATE PROJECT NUMBER

1146-75-71





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 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 QUANTITY FOR BACKFILL STRUCTURE IS CALCULATED BASED ON THE TYPICAL SECTION SHOWN IN THE PLANS.

PROTECTIVE SURFACE TREATMENT TO BE APPLIED TO THE ENTIRE TOP OF DECK SURFACE AND THE TOP OF STRUCTURAL APPROACH SLABS.

PIGMENTED SURFACE SEALER TO BE APPLIED TO THE FRONT FACE AND THE TOP OF THE PARAPETS.

THE SLOPE OF FILL IN FRONT OF THE ABUTMENTS SHALL BE COVERED WITH SLOPE PAVING MATERIAL TO THE EXTENT SHOWN ON SHEET 1 AND IN THE ABUTMENT DETAILS.

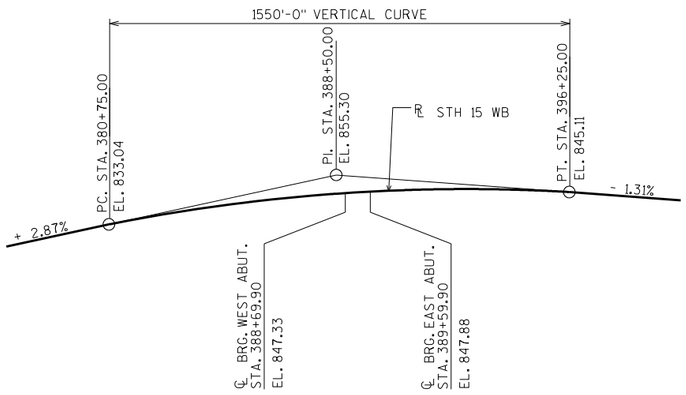
THE CONTRACTOR MUST COORDINATE THE CONSTRUCTION OF B-44-294 WITH RETAINING WALLS R-44-20 AND R-44-21.

▪ PIPE UNDERDRAIN WRAPPED (6-INCH). SLOPE 0.5% MIN. TO SUITABLE DRAINAGE. ATTACH RODENT SHIELD AT ENDS OF PIPE UNDERDRAIN.

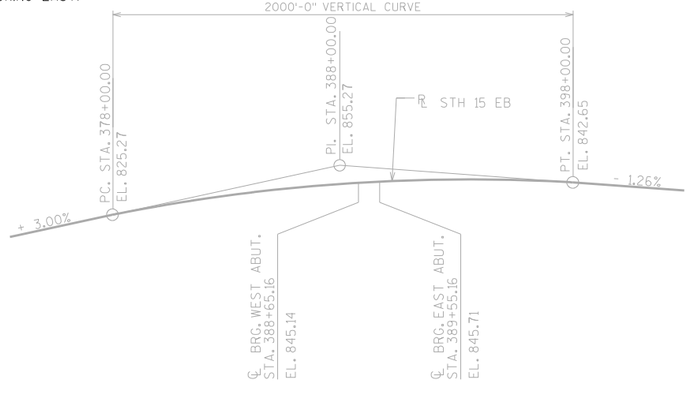
◯ INDICATES GIRDER NUMBER

CROSS SECTION THRU ROADWAY

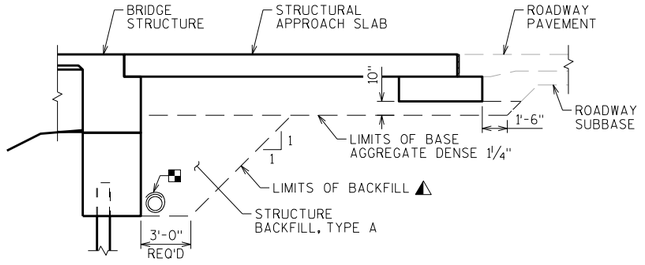
(LOOKING EAST)



PROFILE GRADE LINE STH 15 WB



PROFILE GRADE LINE STH 15 EB



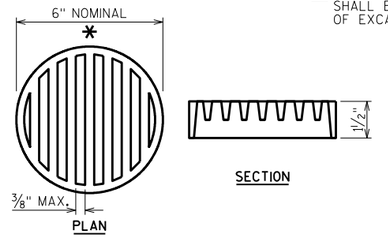
TYPICAL SECTION THRU ABUTMENT

(A1 ABUTMENT WITH STRUCTURAL APPROACH)

⚠ BACKFILL PAY LIMITS. BACKFILL BEYOND BACKFILL PAY LIMITS SHALL BE INCIDENTAL TO EXCAVATION FOR STRUCTURES. LIMITS OF EXCAVATION SHALL BE DETERMINED BY THE CONTRACTOR.

TOTAL ESTIMATED QUANTITIES

BID ITEM NUMBER	BID ITEMS	UNIT	SUPER.	WEST APPROACH	WEST ABUT.	EAST ABUT.	EAST APPROACH	TOTALS
206.1000	EXCAVATION FOR STRUCTURES BRIDGES B-44-294	LS	———	———	———	———	———	1
210.1500	BACKFILL STRUCTURE TYPE A	TON	———	———	107	108	———	215
305.0120	BASE AGGREGATE DENSE 1 1/4-INCH	TON	———	133	———	———	133	266
502.0100	CONCRETE MASONRY BRIDGES	CY	171	59	50	50	59	389
502.3200	PROTECTIVE SURFACE TREATMENT	SY	433	90	———	———	90	613
502.3210	PIGMENTED SURFACE SEALER	SY	77	17	———	———	17	111
503.0137	PRESTRESSED GIRDER TYPE I 36W-INCH	LF	637	———	———	———	———	637
505.0400	BAR STEEL REINFORCEMENT HS STRUCTURES	LB	———	———	2580	2590		5170
505.0600	BAR STEEL REINFORCEMENT HS COATED STRUCTURES	LB	25645	10080	1510	1510	10080	48825
505.0800.S	BAR STEEL REINFORCEMENT HS STAINLESS STRUCTURES	LB	1470	———	———	———	———	1470
506.2605	BEARING PADS ELASTOMERIC NON-LAMINATED	EACH	14	———	———	———	———	14
506.4000	STEEL DIAPHRAGMS B-44-294	EACH	12	———	———	———	———	12
516.0500	RUBBERIZED MEMBRANE WATERPROOFING	SY	———	———	14	14	———	28
550.0500	PILE POINTS	EACH	———	———	10	10	———	20
550.1120	PILING STEEL HP 12-INCH X 53 LB	LF	———	———	250	250	———	500
604.0400	SLOPE PAVING CONCRETE	SY	———	———	15	15	———	30
612.0406	PIPE UNDERDRAIN WRAPPED 6-INCH	LF	———	———	128	128	———	256
614.0150	ANCHOR ASSEMBLIES FOR STEEL PLATE BEAM GUARD	EACH	———	2	———	———	2	4
	NON-BID ITEMS							
	FILLER	SIZE	———	———	———	———	———	½", ¾", 1½"



RODENT SHIELD DETAIL

* DIMENSIONS ARE APPROXIMATE. THE GRATE IS SIZED TO FIT INTO A PIPE COUPLING. ORIENT SO SLOTS ARE VERTICAL.

THE RODENT SHIELD, PIPE COUPLING AND SCREWS SHALL BE CONSIDERED INCIDENTAL TO THE BID ITEM "PIPE UNDERDRAIN WRAPPED 6-INCH".

THE RODENT SHIELD SHALL BE A PVC GRATE SIMILAR TO THIS DETAIL. THE GRATE IS COMMERCIALLY AVAILABLE AS A FLOOR STRAINER. A PIPE COUPLING IS REQUIRED FOR THE ATTACHMENT OF THIS SHIELD TO THE EXPOSED END OF THE PIPE UNDERDRAIN. THE SHIELD SHALL BE FASTENED TO THE PIPE COUPLING WITH TWO OR MORE NO. 10 X 1-INCH STAINLESS STEEL SHEET METAL SCREWS.

APPROVED FOR DESIGN OF UTILITY ADJUSTMENTS OCTOBER 2019

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-44-294

DRAWN BY JJS | PLANS CK'D. SEW

CROSS SECTION & QUANTITIES

SHEET 2

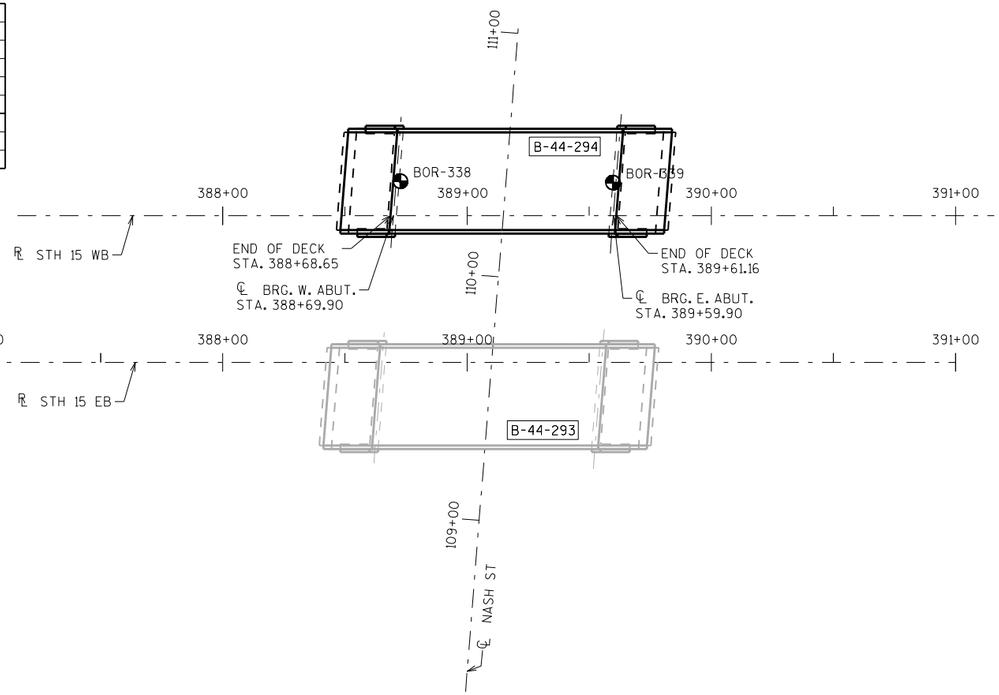
PRE_210

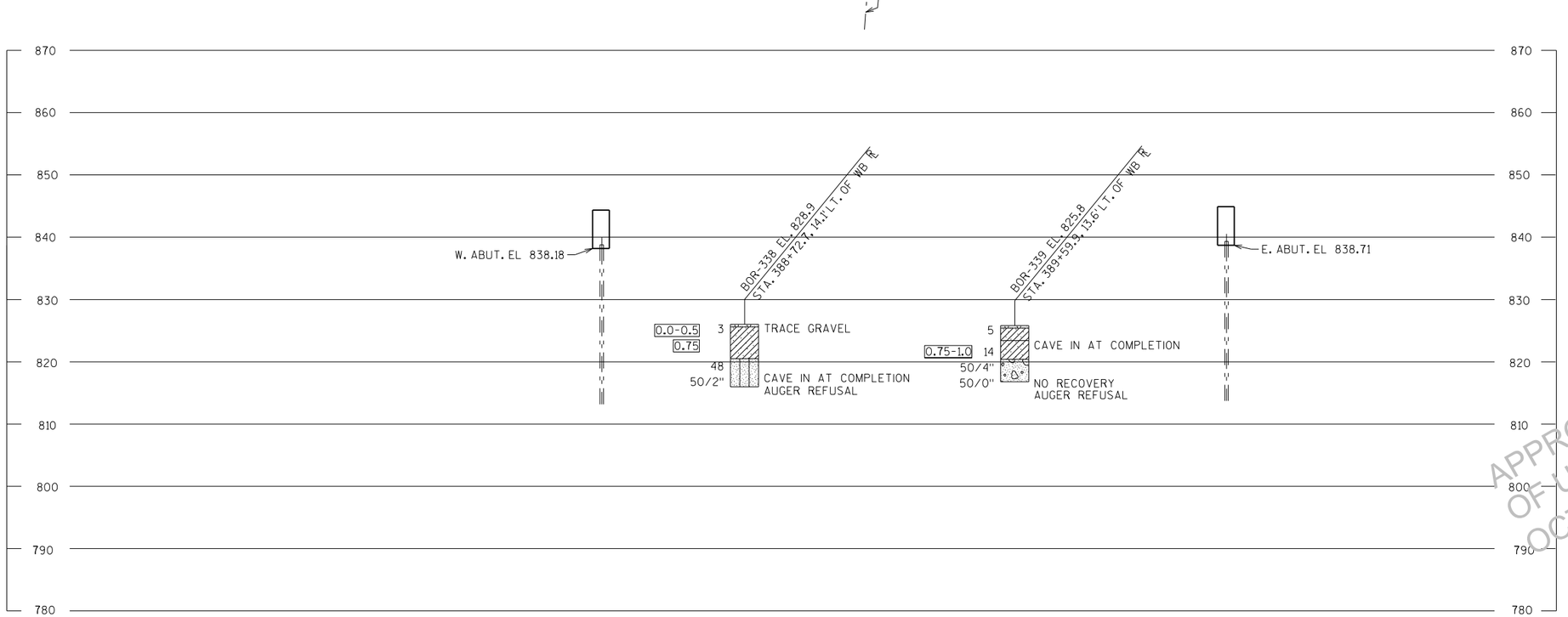
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BORING #	DATE COMPLETED	NORTHING (Y)	EASTING (X)
338	3/31/2014	591959	768840
339	3/31/2014	591910	768912
BORINGS COMPLETED BY: GESTRA			
REPORT COMPLETED BY: CH2M HILL			
ALL COORDINATES REFERENCED TO WCCS NAD 83(91) OUTAGAMIE COUNTY			





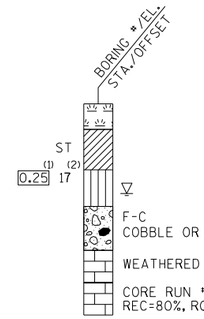
STATE PROJECT NUMBER

1146-75-71

MATERIAL SYMBOLS

ASPHALT	TOPSOIL	PEAT
CONCRETE	FILL	GRAVEL
SAND	CLAY	SILT
BOULDERS OR COBBLES	LIMESTONE	BEDROCK (UNKNOWN)
SHALE	SANDSTONE	IGNEOUS/ META

LEGEND OF BORING



(1) UNCONFINED STRENGTH, AS DETERMINED BY A POCKET PENETROMETER (TSF)

(2) UNLESS OTHERWISE, SPECIFIED THE SPT 'N' VALUE IS BASED ON AASHTO T-206, STANDARD PENETRATION TEST. THE SPT 'N' VALUE PRESENTED HAS NOT BEEN CORRECTED FOR OVERBURDEN PRESSURE OR HAMMER EFFICIENCY.

GROUND WATER ELEVATION

- AT TIME OF DRILLING
- END OF DRILLING
- AFTER DRILLING

ABBREVIATIONS

F-FINE M-MEDIUM C-COARSE ST-SHELBY TUBE

SUBSURFACE EXPLORATION FOR FOUNDATION DESIGN AND BIDDERS INFORMATION

BORINGS WERE COMPLETED AT POINTS APPROXIMATELY AS INDICATED ON THIS DRAWING TO OBTAIN INFORMATION CONCERNING THE CHARACTER OF SUBSURFACE MATERIALS FOUND AT THE SITE. BECAUSE THE INVESTIGATED DEPTHS ARE LIMITED AND THE AREA OF THE BORINGS IS VERY SMALL IN RELATION TO THE ENTIRE SITE, THE WISCONSIN DEPARTMENT OF TRANSPORTATION DOES NOT WARRANT SIMILAR SUBSURFACE CONDITIONS BELOW, BETWEEN, OR BEYOND THESE BORINGS. VARIATIONS IN SOIL CONDITIONS SHOULD BE EXPECTED AND FLUCTUATIONS IN GROUNDWATER LEVELS MAY OCCUR.

APPROVED FOR USE OF UTILITY ADDITIVE OCTOBER 2019

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-44-294

DRAWN BY JJS | PLANS CK'D. SEW

SUBSURFACE EXPLORATION

SHEET 3

PRE_211

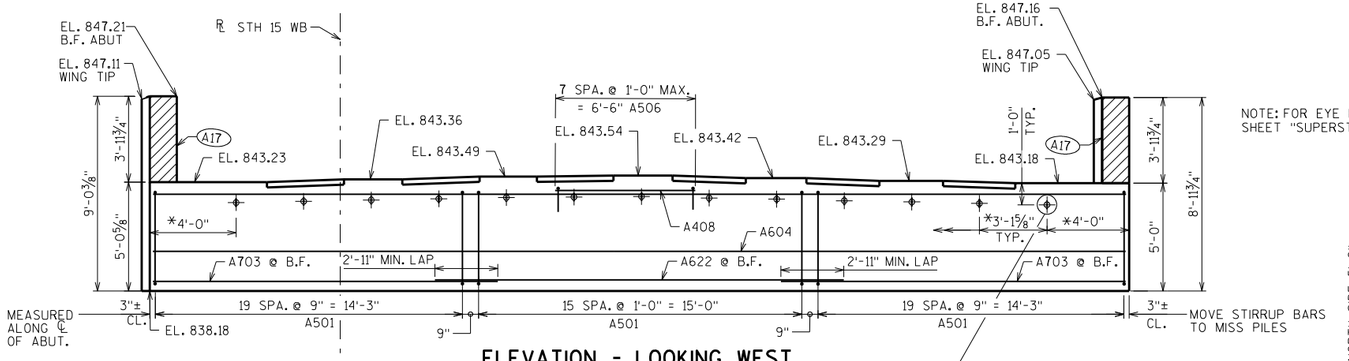
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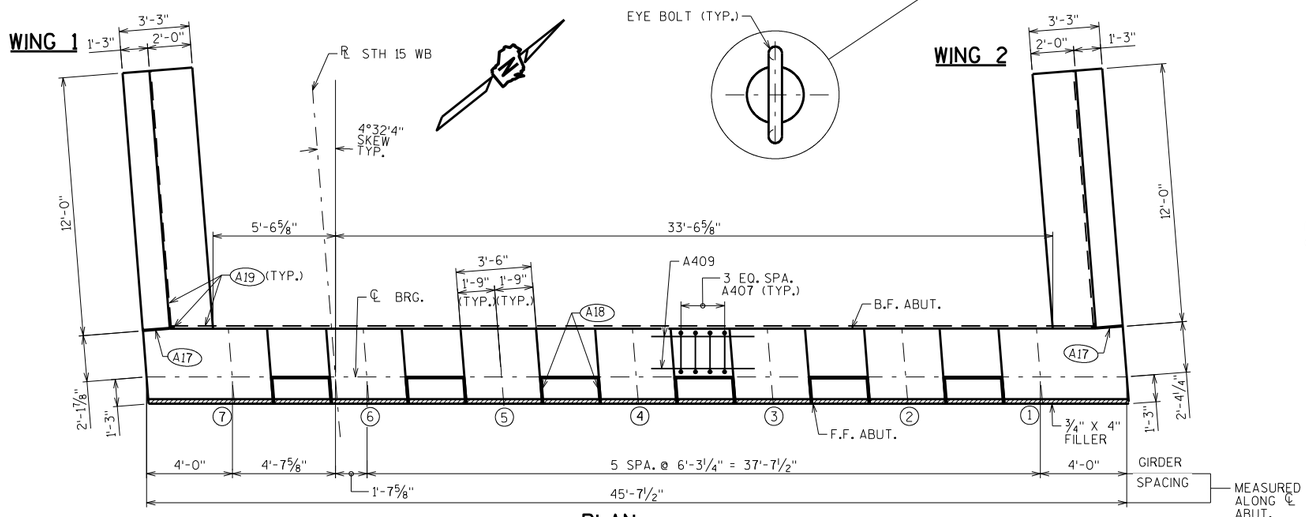
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STATE PROJECT NUMBER

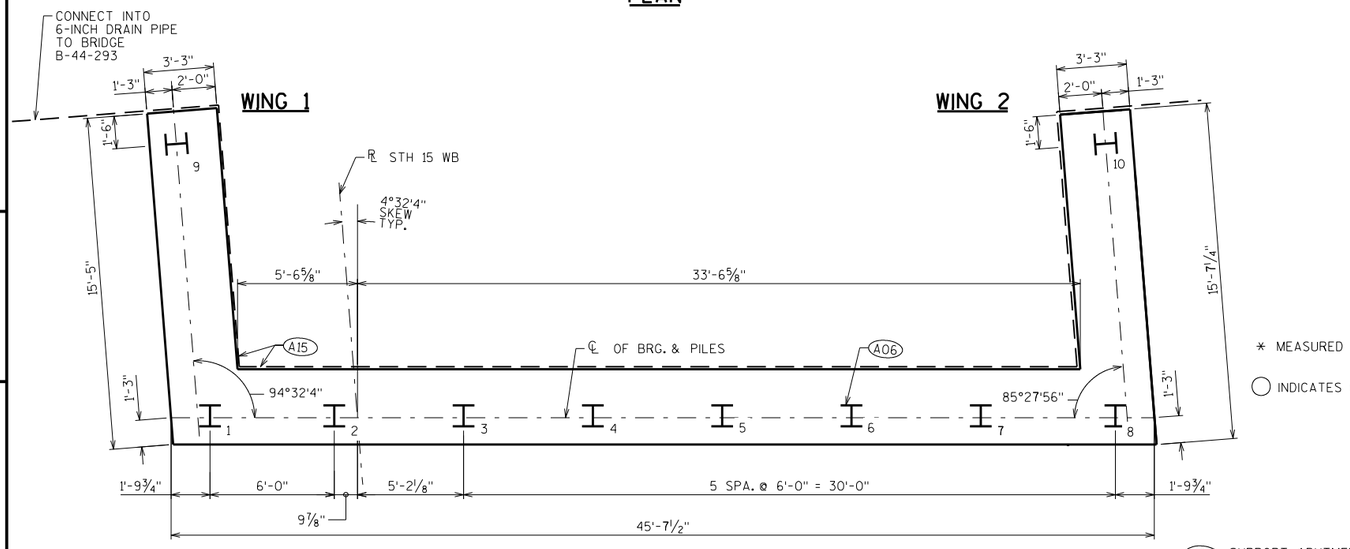
1146-75-71



ELEVATION - LOOKING WEST



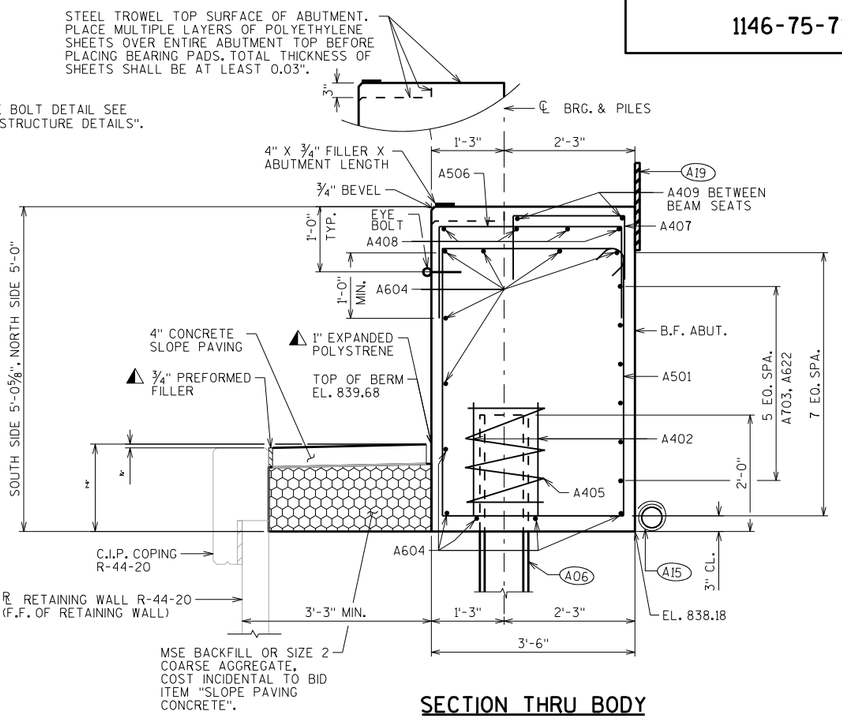
PLAN



PILE PLAN

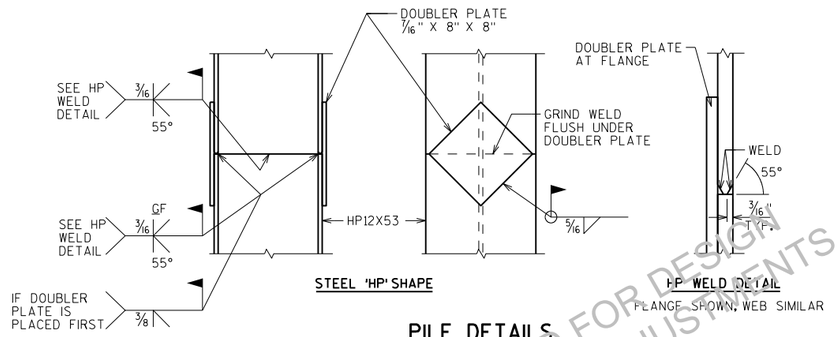
* MEASURED ALONG F.F. ABUT.

◯ INDICATES GIRDER NUMBER



SECTION THRU BODY

⚠ SEAL ALL EXPOSED HORIZONTAL AND VERTICAL SURFACES OF FILLER AND EXPANDED POLYSTYRENE WITH NON-STAINING, GRAY NON-BITUMINOUS JOINT SEALER. (1" DEEP AND HOLD ⅛" BELOW SURFACE OF CONCRETE).



PILE DETAILS

A06 SUPPORT ABUTMENT ON HP 12 x 53 STEEL PILING, ESTIMATED 25'-0" LONG WITH A REQUIRED DRIVING RESISTANCE OF 220 TONS PER PILE.

A15 PIPE UNDERDRAIN WRAPPED (6-INCH). SLOPE 0.5% MIN. TO SUITABLE DRAINAGE. RODENT SHIELD REQUIRED.

A17 1/2" FILLER (INCLUDED IN WING LENGTH): SEAL ALL EXPOSED HORIZ. & VERT. SURFACES OF 1/2" FILLER WITH NON-STAINING GRAY NON-BITUMINOUS JOINT SEALER. (1" DEEP AND HOLD 1/8" BELOW SURFACE OF CONCRETE). EXTEND SEALER 3" BELOW GUTTER LINE AT INSIDE FACE.

A18 3/4" CORK FILLER UP VERT. BEAM SEAT FACES THAT RUN PARALLEL WITH GIRDER.

A19 18" (RMW) RUBBERIZED MEMBRANE WATERPROOFING SEAL ALL HORIZ. & VERT. JOINTS AT BACKFACE.

APPROVED FOR DESIGN. UTILITY ADJUSTMENTS OCTOBER 2019

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-44-294

DRAWN BY JJS | PLANS CK'D. SEW

WEST ABUTMENT

SHEET 4

PRE_212

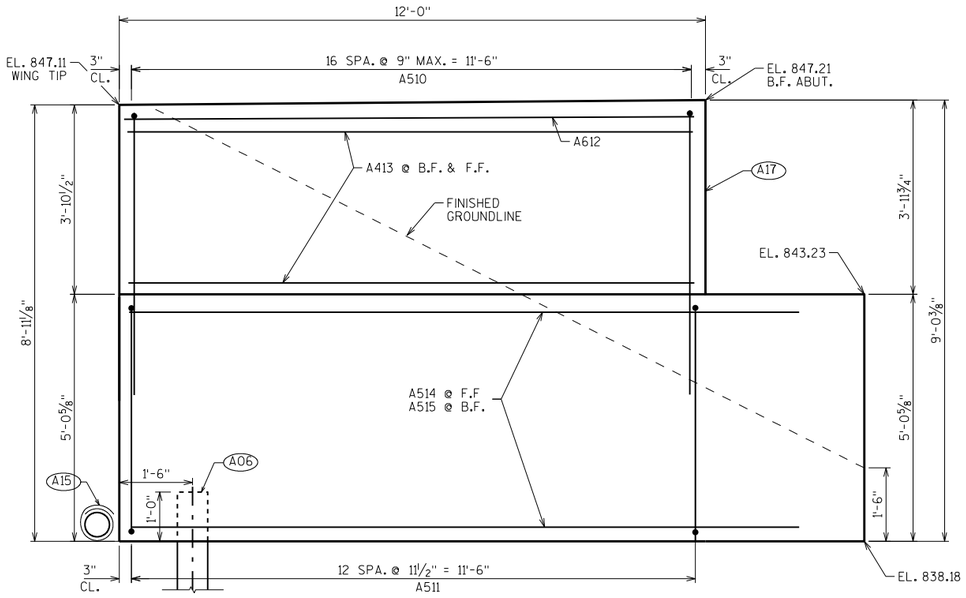
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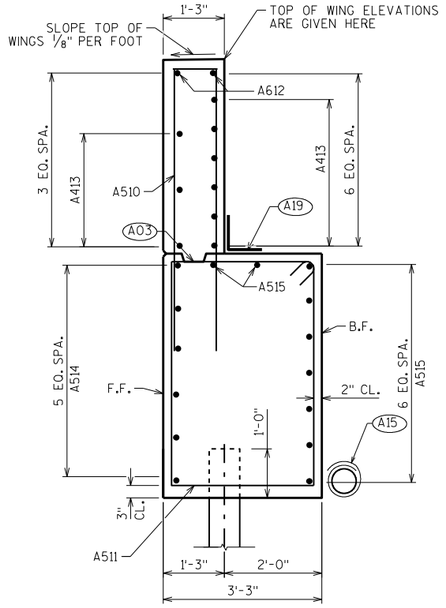
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STATE PROJECT NUMBER

1146-75-71



WING 1 ELEVATION

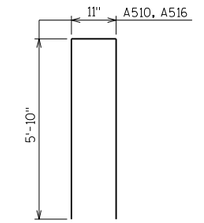


WING 1 SECTION

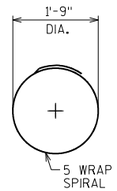
BILL OF BARS

NOTE: THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE.

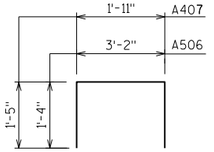
BAR MARK	COAT	NO. REQ'D.	LENGTH	BENT	BAR SERIES	LOCATION
A501		56	15'-8"	X		BODY- STIRRUPS
A402		16	2'-3"			BODY-VERT- AT BODY PILES
A703		12	16'-0"			BODY-HORIZ. B.F.
A604		11	45'-3"			BODY-HORIZ.
A405		8	28'-0"	X		BODY-VERT. AT BODY PILES
A506		8	5'-7"	X		BODY-VERT. UND. BM. SEAT 4
A407		24	4'-7"	X		BODY-VERT. BTWN. BM. SEAT
A408		4	6'-8"			BODY HORIZ. UND. BM. SEAT 4
A409		12	4'-10"			BODY HORIZ. BTWN. BM. SEAT
A510	X	17	12'-4"	X		WING 1- VERT. (UPPER)
A511	X	13	15'-8"	X		WING 1 STIRRUP
A612	X	2	11'-8"			WING 1 HORIZ. TOP
A413	X	9	11'-8"			WING 1 HORIZ. F.F. + B.F.
A514	X	6	13'-8"			WING 1 HORIZ. F.F.
A515	X	9	13'-9"			WING 1 HORIZ. B.F.
A516	X	17	12'-4"	X		WING 2- VERT. (UPPER)
A517	X	13	15'-8"	X		WING 2 STIRRUP
A618	X	2	11'-8"			WING 2 HORIZ. TOP
A419	X	9	11'-8"			WING 2 HORIZ. F.F. + B.F.
A520	X	6	13'-8"			WING 2 HORIZ. F.F.
A521	X	9	13'-9"			WING 2 HORIZ. B.F.
A622		6	19'-3"			BODY-HORIZ. B.F.



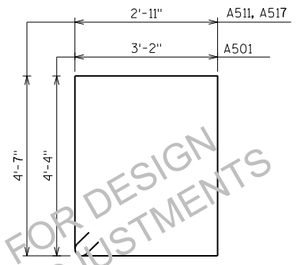
A510, A516



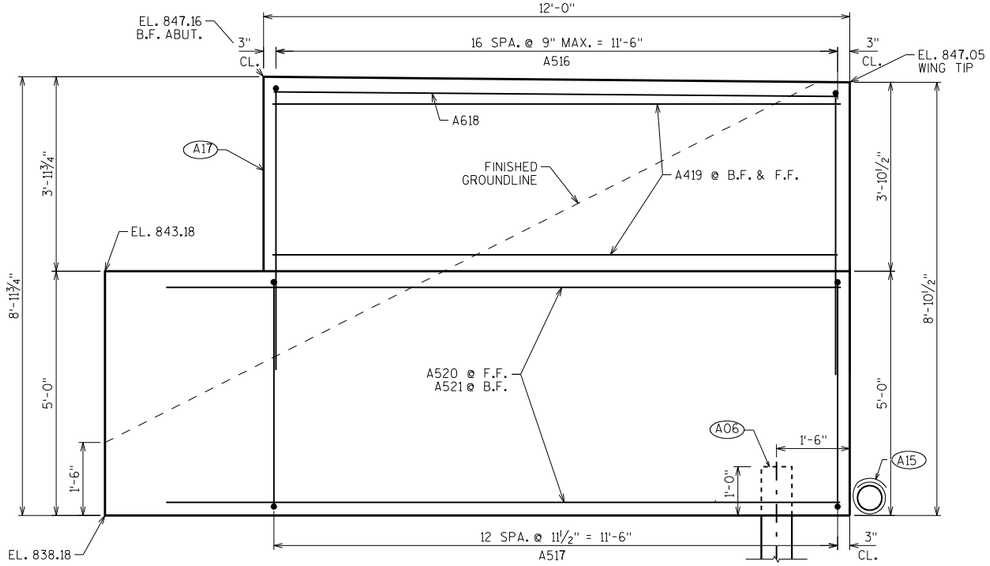
A405



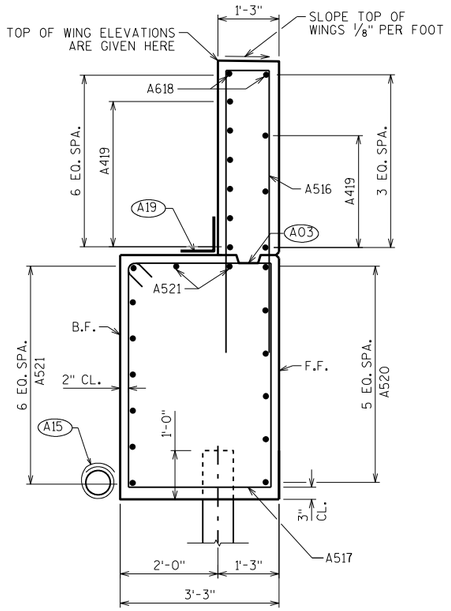
A407, A506



A501, A511, A517



WING 2 ELEVATION



WING 2 SECTION

A03 OPTIONAL CONST. JOINT: KEYWAY FORMED BY BEVELED 2 x 6. (18" RMW @ B.F. & 3/4" "V" GROOVE @ F.F. IF JOINT IS USED).

A06 SUPPORT WING WALL ON HP 12 x 53 STEEL PILING, ESTIMATED 25'-0" LONG WITH A REQUIRED DRIVING RESISTANCE OF 220 TONS PER PILE.

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A15 PIPE UNDERDRAIN WRAPPED (6-INCH). SLOPE 0.5% MIN. TO SUITABLE DRAINAGE. RODENT SHIELD REQUIRED.

APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS
OCTOBER 2019

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-44-294

DRAWN BY JJS | PLANS CK'D. SEW

WEST ABUTMENT DETAILS

SHEET 5

PRE_213

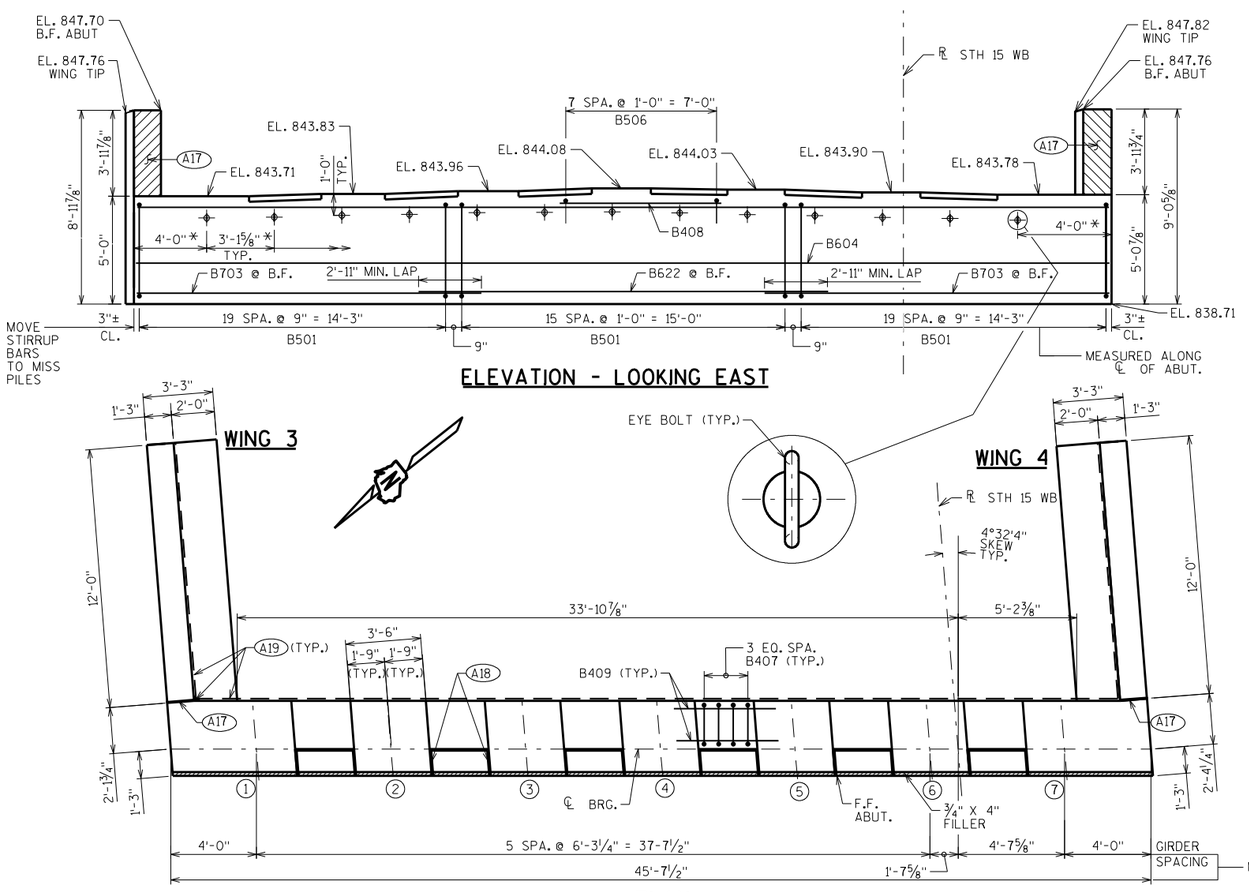
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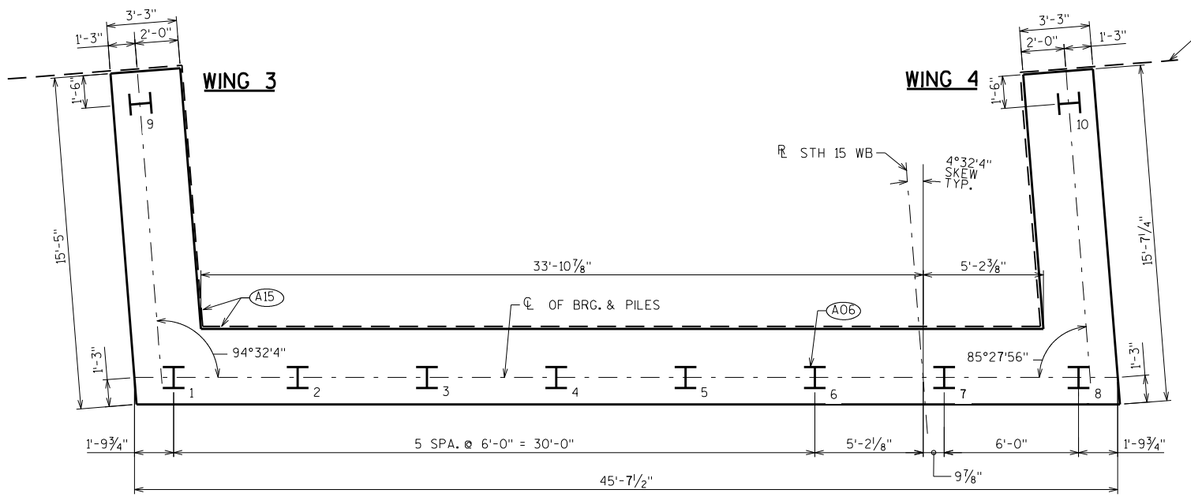
STATE PROJECT NUMBER

1146-75-71



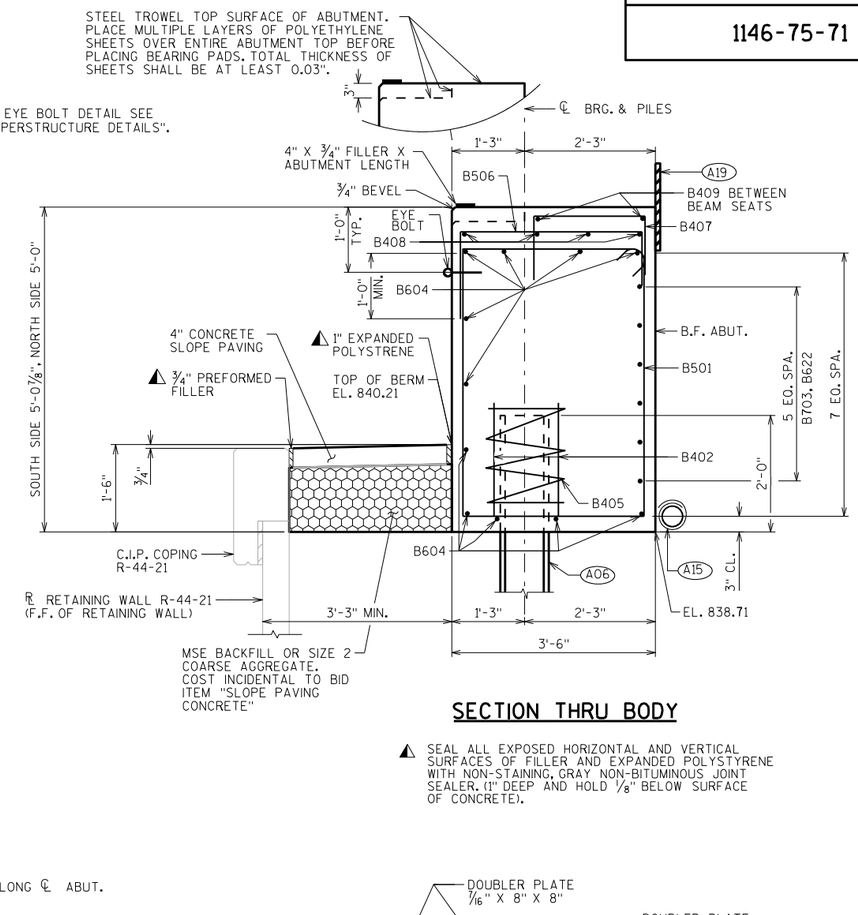
ELEVATION - LOOKING EAST

PLAN



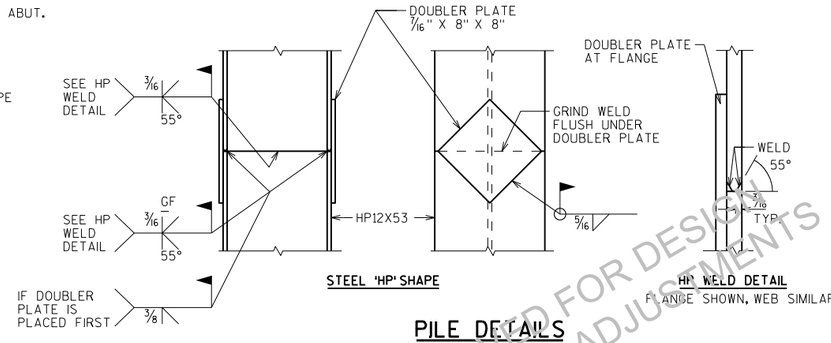
PILE PLAN

NOTE: FOR EYE BOLT DETAIL SEE SHEET "SUPERSTRUCTURE DETAILS".



SECTION THRU BODY

⚠ SEAL ALL EXPOSED HORIZONTAL AND VERTICAL SURFACES OF FILLER AND EXPANDED POLYSTYRENE WITH NON-STAINING, GRAY NON-BITUMINOUS JOINT SEALER. (1" DEEP AND HOLD ⅛" BELOW SURFACE OF CONCRETE).



PILE DETAILS

*MEASURED ALONG F.F. ABUT.

◯ INDICATES GIRDER NUMBER

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APPROVED FOR DESIGN OF UTILITY ADJUSTMENTS OCTOBER 2019

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-44-294

DRAWN BY JJS | PLANS CK'D. SEW

EAST ABUTMENT

SHEET 6

PRE_214

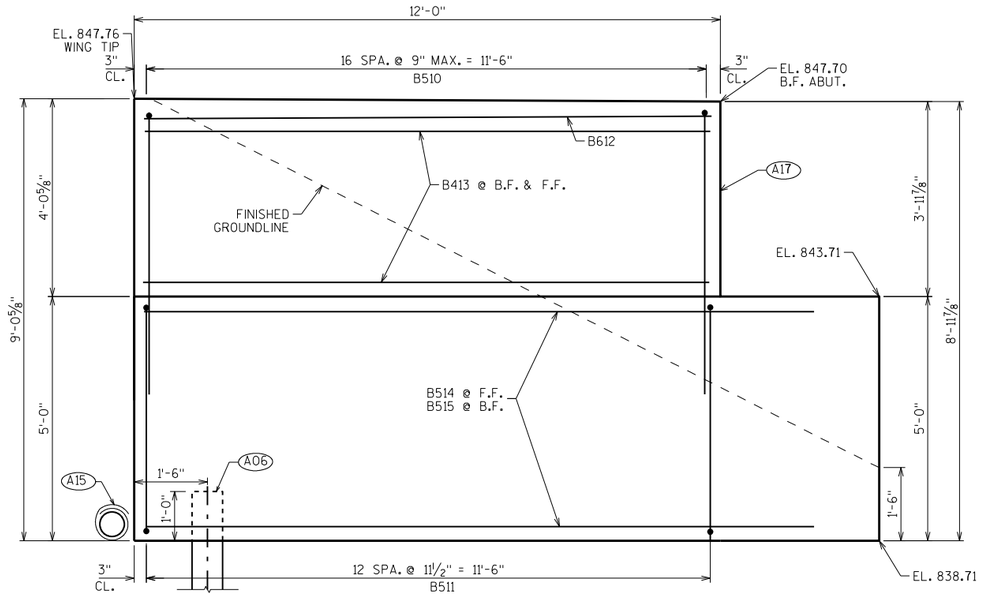
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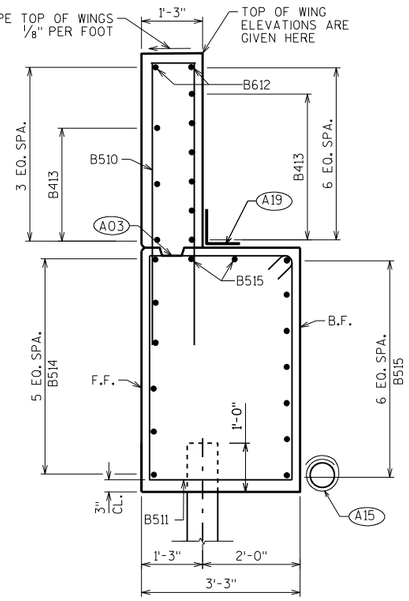
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STATE PROJECT NUMBER

1146-75-71



WING 3 ELEVATION

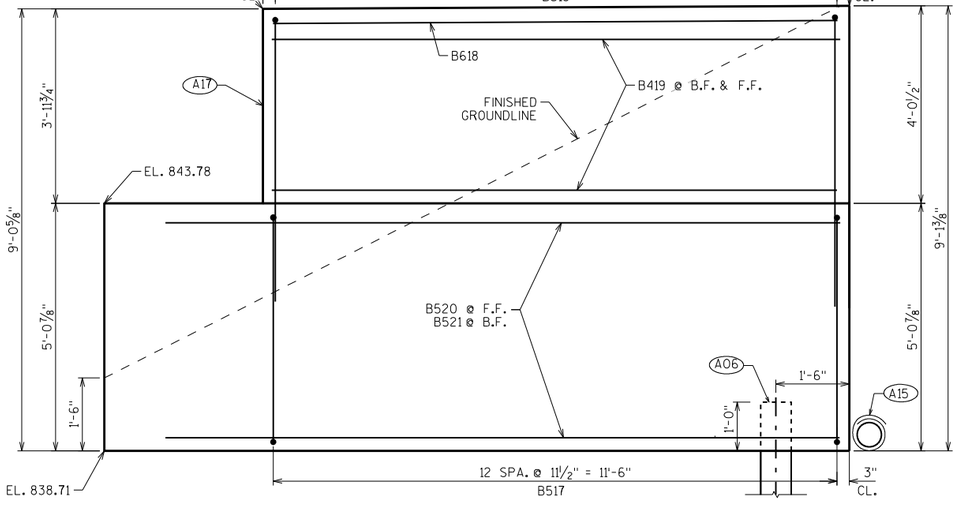


WING 3 SECTION

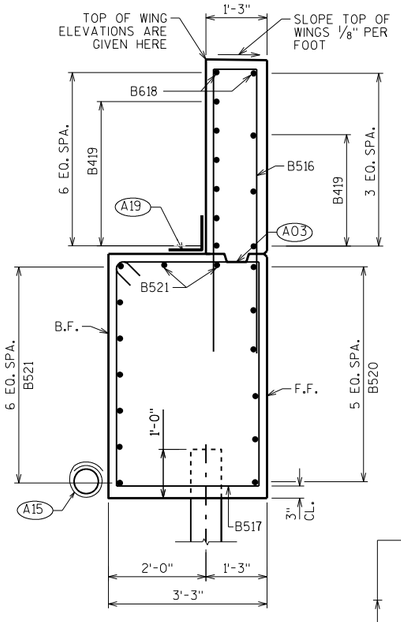
BILL OF BARS

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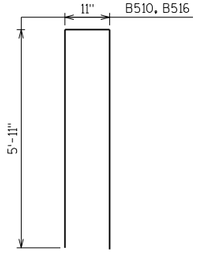
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B413	X	9	11'-8"			WING 3 HORIZ. F.F. + B.F.
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B515	X	9	13'-9"			WING 3 HORIZ. B.F.
B516	X	17	12'-6"	X		WING 4- VERT. (UPPER)
B517	X	13	15'-8"	X		WING 4 STIRRUP
B618	X	2	11'-8"			WING 4 HORIZ. TOP
B419	X	9	11'-8"			WING 4 HORIZ. F.F. + B.F.
B520	X	6	13'-8"			WING 4 HORIZ. F.F.
B521	X	9	13'-8"			WING 4 HORIZ. B.F.
B622		6	19'-3"			BODY-HORIZ. B.F.



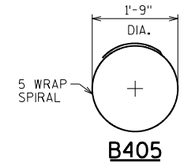
WING 4 ELEVATION



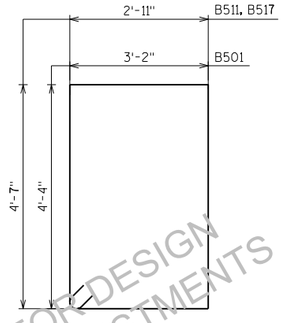
WING 4 SECTION



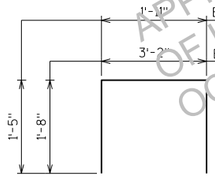
B510, B516



B405



B501, B511, B517



B407, B506

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APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS
OCTOBER 2019

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-44-294

DRAWN BY JJS | PLANS CK'D. SEW

EAST ABUTMENT DETAILS

SHEET 7

PRE_215

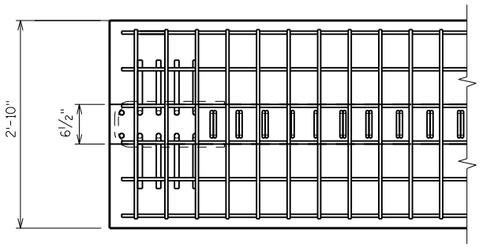
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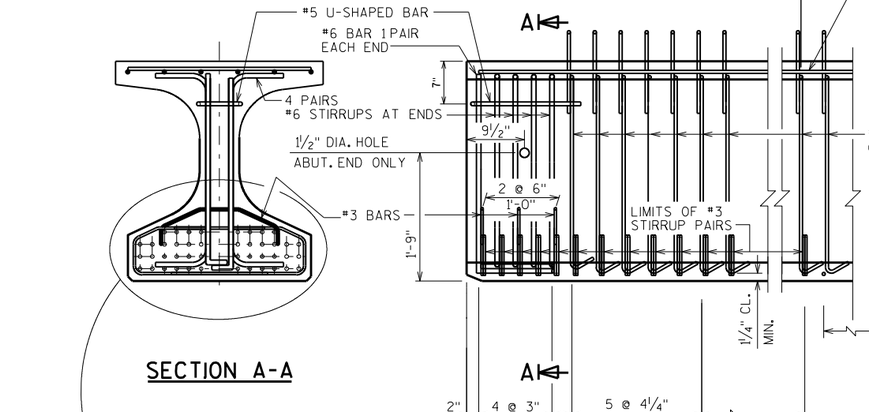
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STATE PROJECT NUMBER

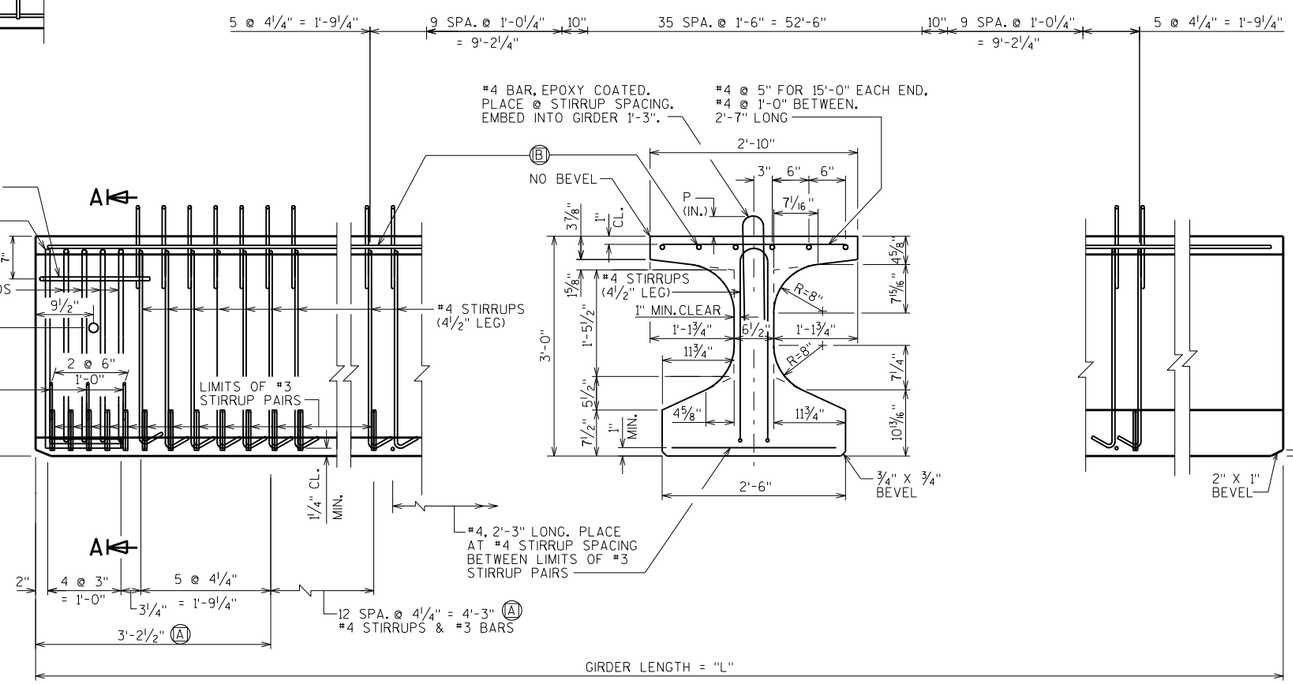
1146-75-71

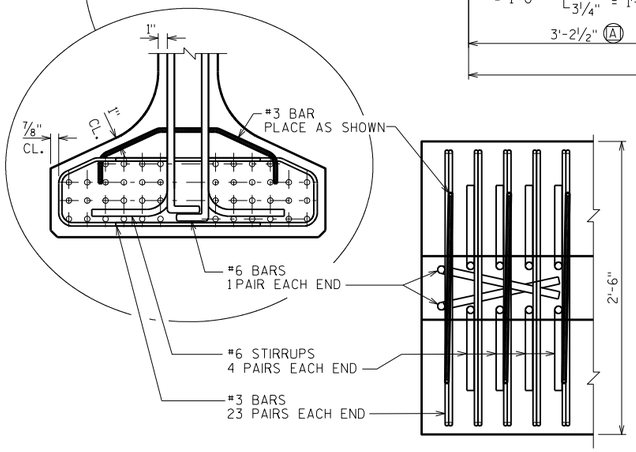


TOP FLANGE



SECTION A-A





BOTTOM FLANGE

NOTES

TOP OF GIRDER TO BE ROUGH FLOATED AND BROOMED TRANSVERSELY, EXCEPT THE THE OUTSIDE 8" OF GIRDER, WHICH SHALL RECEIVE A SMOOTH FINISH. AN APPROVED CONCRETE SEALER SHALL BE APPLIED TO ALL SMOOTH SURFACES INCLUDING THE OUTSIDE 8" OF THE TOP FLANGE.

DO NOT APPLY CONCRETE SEALER TO SURFACES RECEIVING APPLICATION OF CONCRETE STAINING.

THE GIRDERS SHALL BE PROVIDED WITH A SUITABLE LIFTING DEVICE FOR HANDLING AND ERECTING THE GIRDERS. SEE SECT. 503.3.3 OF STANDARD SPECIFICATIONS FOR GUIDANCE.

STRANDS SHALL BE FLUSH WITH END OF GIRDER. FOR GIRDER ENDS EMBEDDED COMPLETELY IN CONCRETE, END OF STRANDS SHALL BE COATED WITH NON-BITUMINOUS JOINT SEALER. FOR GIRDER ENDS THAT ARE FINALLY EXPOSED, COAT THE GIRDER ENDS, EXPOSED STRAND ENDS AND ALL NON-BONDING SURFACES WITHIN 2 FEET OF THE GIRDER ENDS WITH A NON-PIGMENTED EPOXY CONFORMING TO AASHTO M-235 TYPE III, GRADE 2, CLASS B OR C. THE EPOXY SHALL BE APPLIED AT LEAST 3 DAYS AFTER MOIST CURING HAS CEASED AND PRIOR TO THE APPLICATION OF THE SEALER.

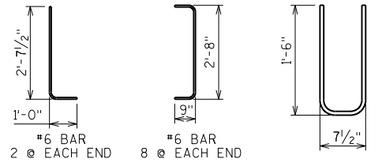
ALL GIRDERS SHALL BE CAST FULL LENGTH AS SHOWN.

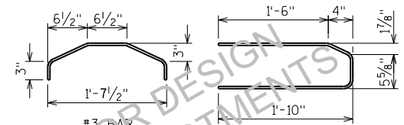
SPACING SHOWN FOR #4 STIRRUPS IS FOR GRADE 60 REINFORCEMENT.

AN ALTERNATE EQUIVALENT OF WELDED WIRE FABRIC (WWF) ASTM A497 MAY BE SUBSTITUTED FOR THE STIRRUP REINFORCEMENT SHOWN, UPON APPROVAL OF THE STRUCTURES DEVELOPMENT SECTION.

PRESTRESSING STRANDS SHALL BE (0.6" DIA.)-7 WIRE LOW-RELAXATION STRANDS WITH AN ULTIMATE STRENGTH OF 270,000 PSI.

FOR DIAPHRAGM SPACING, INSERT & CONNECTION DETAILS SEE "STEEL DIAPHRAGM" SHEET.





SIDE VIEW & TYPICAL SECTION IN SPAN

Ⓐ DETAIL TYP. AT EACH END

Ⓑ 6 #4 BARS, FULL LENGTH, MIN. LAP = 1'-11"

✳ MINIMUM CYLINDER STRENGTH OF CONCRETE @ TIME OF TRANSFER OF PRESTRESS FORCE.

GIRDER DATA

SPAN	GIRDER	GIRDER LENGTH "L"	DEAD LOAD DEFL. (IN.)									CONC. STRGTH. f'c (p.s.i.)	"P" 1ST ⅓ OF GIRDER	"P" MID ⅓ OF GIRDER	"P" END ⅓ OF GIRDER	DIA. OF STRAND (IN.)	DRAPED PATTERN						UNDRAPED PATTERN	
			1/10	2/10	3/10	4/10	5/10	6/10	7/10	8/10	9/10						TOTAL NO. OF STRANDS	f'ci (P.S.I.) ✳	(IN.) "A"	"B" MIN.	"B" MAX.	"C"	TOTAL NO. OF STRANDS	f'ci (P.S.I.) ✳
1	1-7	91	0.6	1.1	1.5	1.8	1.8	1.8	1.5	1.1	0.6	8,000	8	7	8	0.6	30	6,800	32	11	14	4		

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STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-44-294

DRAWN BY JJS | PLANS CK'D. SEW

36W" PRESTRESSED GIRDER DETAILS 1

SHEET 8

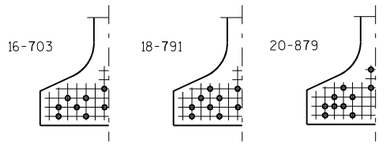
PRE_216

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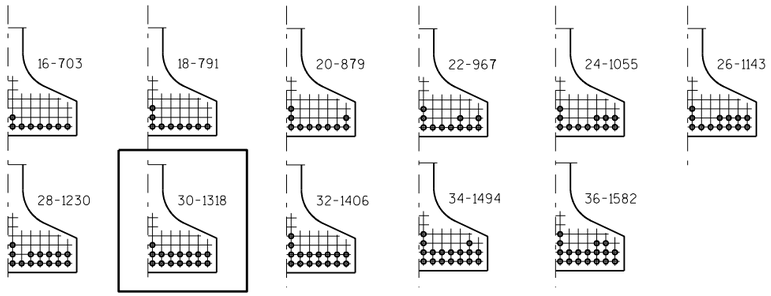
STATE PROJECT NUMBER

1146-75-71



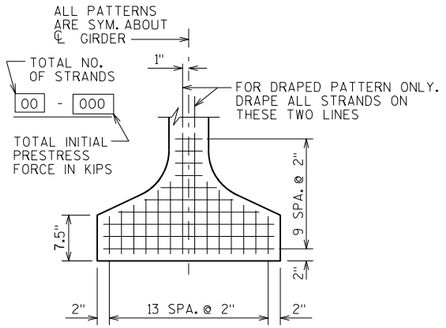
STANDARD ARRANGEMENTS TO RAISE CENTER OF GRAVITY TO AVOID DRAPING OF STRANDS

0.6" DIA. STRANDS

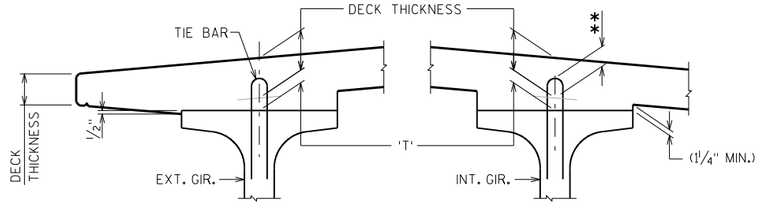


ARRANGEMENT AT ℄ SPAN - FOR GIRDERS WITH DRAPED STRANDS

0.6" DIA. STRANDS



TYP. STRAND PATTERN



DECK HAUNCH DETAIL

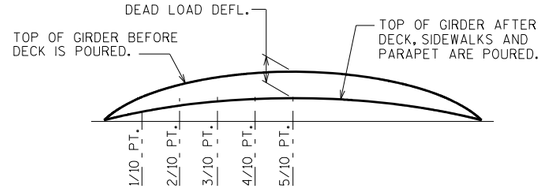
IF 1¼" MINIMUM HAUNCH HEIGHT AT EDGE OF GIRDER CANNOT BE MAINTAINED, THE GRADE LINE MAY BE REVISED BY THE ENGINEER AT THE OPTION OF THE CONTRACTOR. THE PLAN DECK THICKNESS SHALL BE HELD. NOTIFY THE STRUCTURES SECTION IF THE GRADE LINE IS RAISED FROM THE PLAN PROFILE BY MORE THAN ½" OR,

** IF 3" MINIMUM DECK EMBEDMENT OF TIE BAR CANNOT BE OBTAINED.

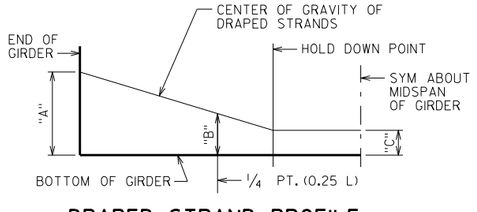
TO DETERMINE 'T', ELEV. OF TOP OF GIR'S. AT ℄ OF SUBSTRUCTURE UNITS & AT 1/10 POINTS OF EACH SPAN SHALL BE TAKEN. THEN FOLLOW THIS PROCESS:

TOP OF DECK ELEV. AT FINAL GRADE
- TOP OF GIRDER ELEVATION
+ DEAD LOAD DEFLECTION
- DECK THICKNESS
= HAUNCH HEIGHT 'T'

NOTE: AN AVERAGE HAUNCH ('T') OF 3.00" WAS USED IN THE QUANTITY "CONCRETE MASONRY BRIDGES".



DEAD LOAD DEFLECTION DIAGRAM



DRAPED STRAND PROFILE

*THE THEORETICAL INITIAL CAMBER VALUE AT THE TIME OF STRAND RELEASE AT MIDSPAN MULTIPLIED BY A FACTOR OF 1.4 TO ACCOUNT FOR CAMBER GROWTH FROM THE TIME OF STRAND RELEASE TO JOBSITE PLACEMENT.

SPAN	CAMBER (IN.) *
1	3.49

THESE VALUES ARE NOT TO BE USED IN DETERMINING 'T', USE ACTUAL GIRDER SHOTS.

THESE VALUES ARE FOR INFORMATIONAL PURPOSES ONLY.

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STRUCTURE B-44-294

DRAWN BY JJS | PLANS CK'D. SEW

36W" PRESTRESSED GIRDER DETAILS 2

SHEET 9

PRE_217

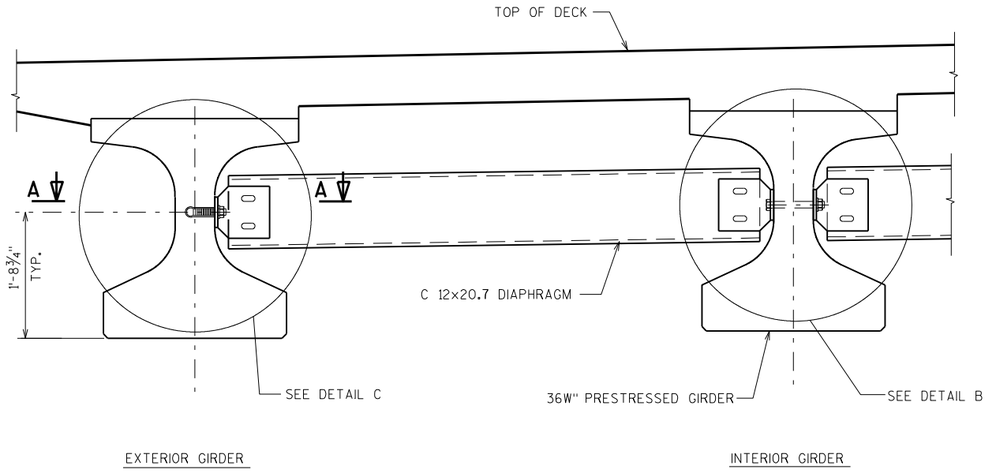
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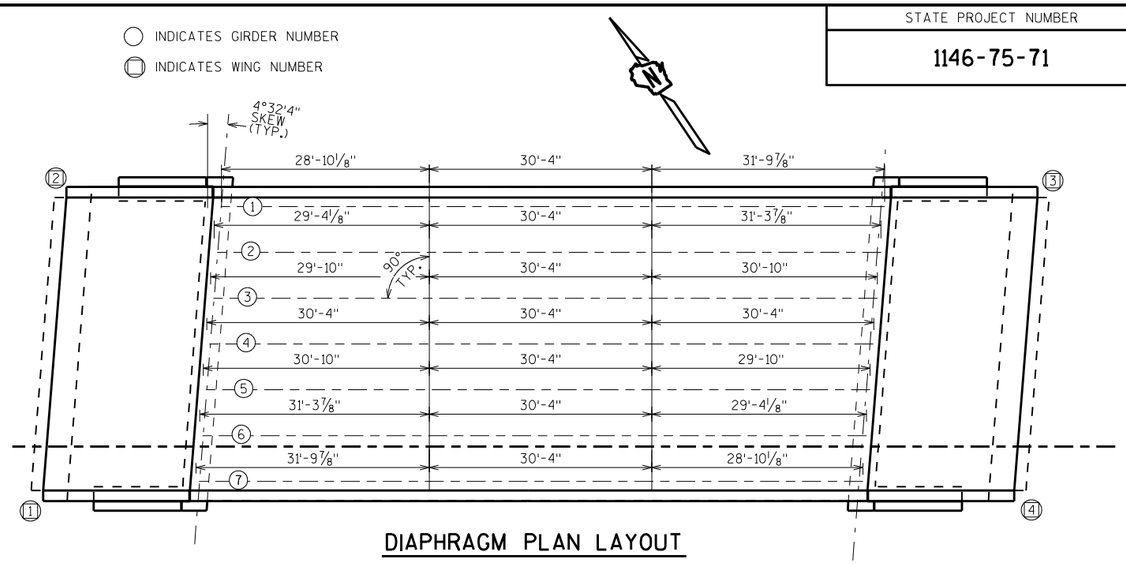
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STATE PROJECT NUMBER

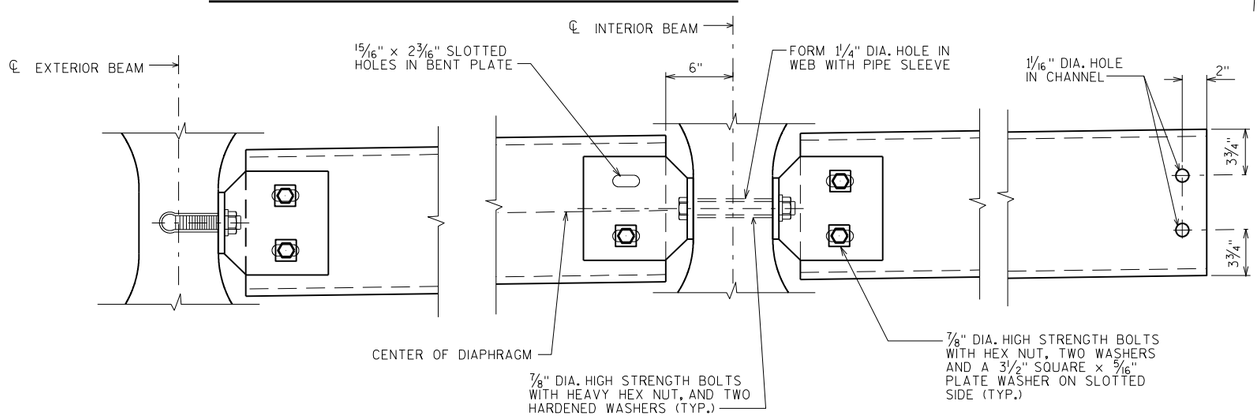
1146-75-71



PART TRANSVERSE SECTION AT DIAPHRAGM



DIAPHRAGM PLAN LAYOUT



DETAIL C

DETAIL B

NOTES

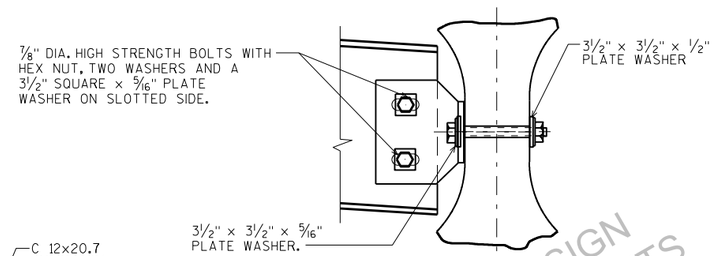
ALL DIAPHRAGM MATERIAL NOT EMBEDDED IN THE CONCRETE GIRDER SHALL BE PAID FOR AT THE UNIT PRICE BID FOR "STEEL DIAPHRAGMS B-44-294", EACH.

EACH DIAPHRAGM BETWEEN GIRDERS SHALL CONSTITUTE ONE UNIT.

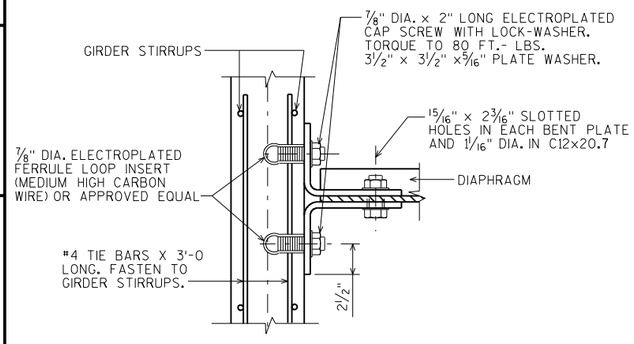
ALL DIAPHRAGM STRUCTURAL STEEL SHALL BE ASTM A709 GRADE 36.

ALL DIAPHRAGM MATERIAL INCLUDING BOLTS, NUTS AND WASHERS SHALL BE GALVANIZED AFTER FABRICATION.

STEEL DIAPHRAGM TO CONCRETE WEB CONNECTION SHALL BE SNUG-TIGHT PLUS ¼ TURN, UNLESS NOTED OTHERWISE. HIGH STRENGTH BOLTS FOR WEB CONNECTION SHALL MEET THE REQUIREMENTS FOR ASTM A325 OR ASTM A449.

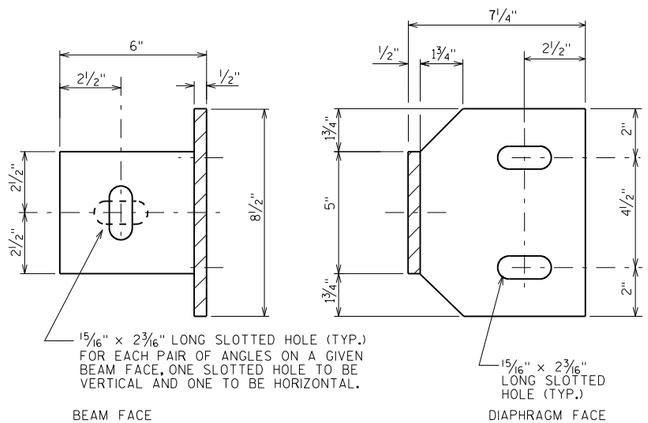


SECTION AT INTERIOR GIRDERS THRU DIAPHRAGM FOR SKEW ANGLES > 10°



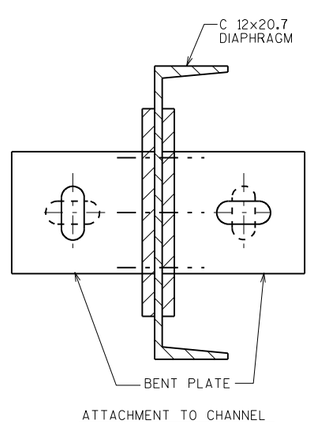
SECTION A-A

(FOR EXTERIOR ATTACHMENT)



BEAM FACE

DIAPHRAGM FACE



ATTACHMENT TO CHANNEL

APPROVED FOR DESIGN OF UTILITY ADJUSTMENTS OCTOBER 2019

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STRUCTURE B-44-294

DRAWN BY JJS | PLANS CK'D. SEW

STEEL DIAPHRAGM | SHEET 10

PRE_218

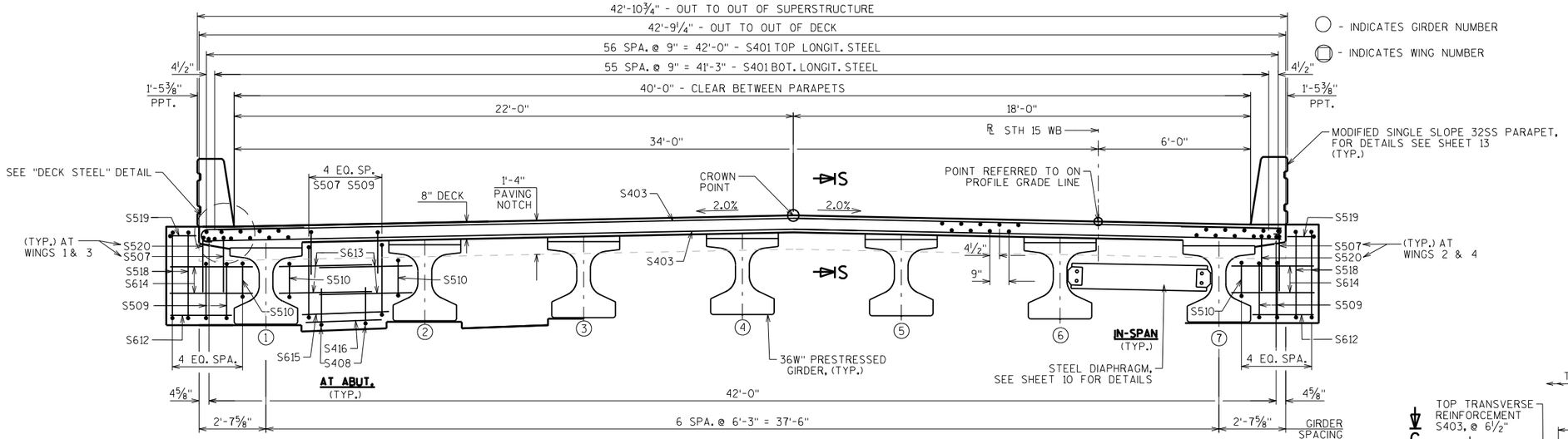
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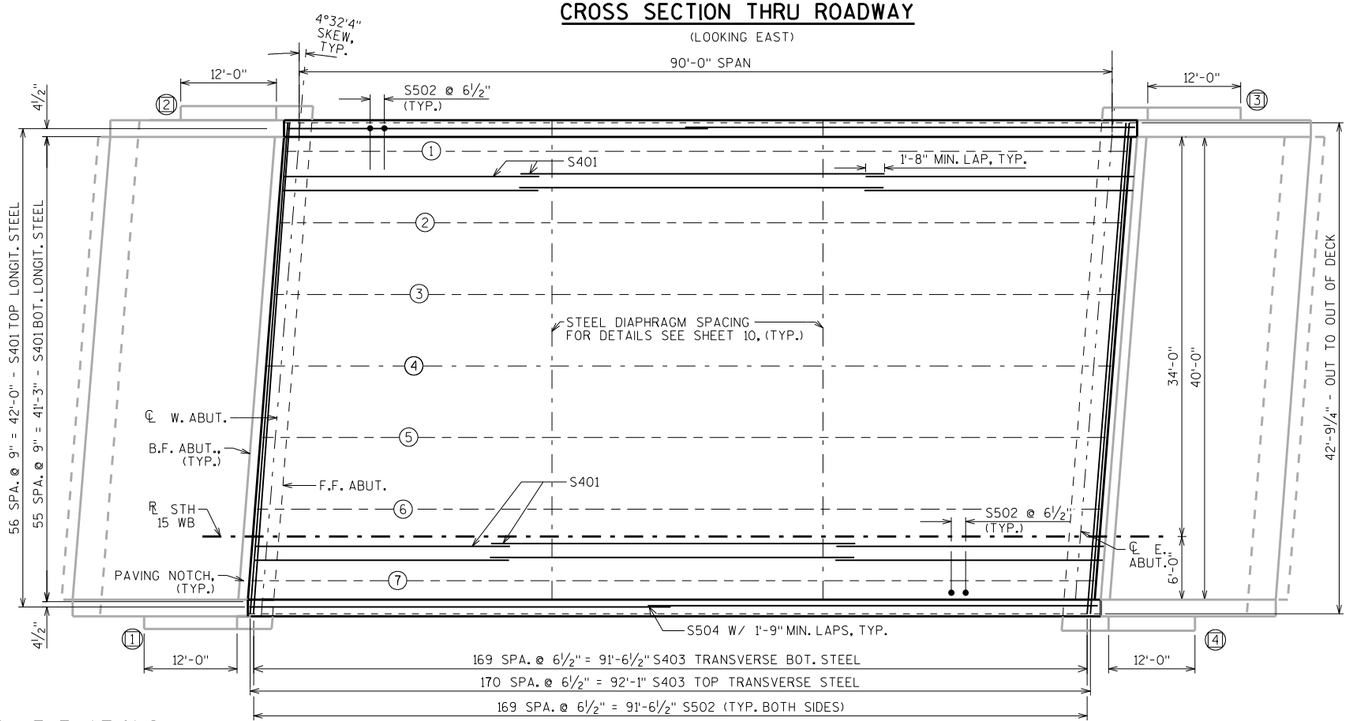
STATE PROJECT NUMBER

1146-75-71

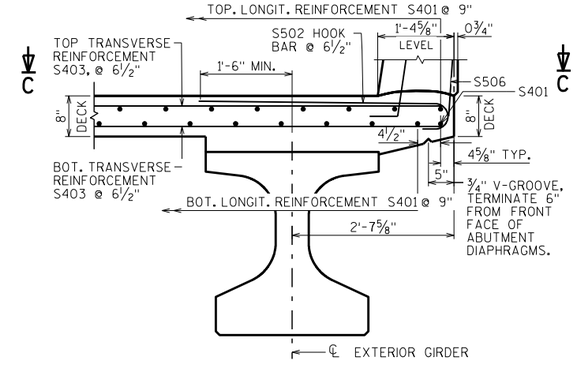


CROSS SECTION THRU ROADWAY

(LOOKING EAST)

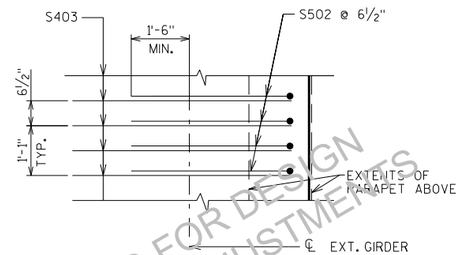


PLAN



DECK STEEL DETAIL

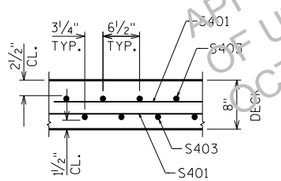
(TYP. AT BOTH EDGES)



PLAN C-C

TOP OF DECK ELEVATIONS

EOD= EDGE OF DECK	℄ BRG. W. ABUT.	1/10 PT.	2/10 PT.	3/10 PT.	4/10 PT.	5/10 PT.	6/10 PT.	7/10 PT.	8/10 PT.	9/10 PT.	℄ E. ABUT.
N. EOD	847.16	847.22	847.28	847.34	847.40	847.45	847.51	847.56	847.61	847.65	847.70
G1	847.19	847.24	847.31	847.37	847.42	847.48	847.53	847.58	847.63	847.68	847.72
G2	847.30	847.37	847.43	847.49	847.55	847.60	847.65	847.70	847.75	847.80	847.84
G3	847.43	847.49	845.55	847.61	847.67	847.72	847.78	847.83	847.88	847.92	847.97
G4	847.55	847.61	847.67	847.73	847.79	847.85	847.90	847.95	848.00	848.04	848.09
G5	847.50	847.56	847.63	847.68	847.74	847.80	847.85	847.90	847.95	848.00	848.04
G6	847.37	847.43	847.50	847.56	847.61	847.67	847.72	847.77	847.82	847.87	847.91
G7	847.24	847.31	847.37	847.43	847.49	847.54	847.59	847.65	847.70	847.74	847.79
S. EOD	847.22	847.28	847.34	847.40	847.46	847.52	847.57	847.62	847.67	847.72	847.76



SECTION S-S

APPROVED FOR DESIGN OF UTILITY ADJUSTMENTS OCTOBER 2019

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STRUCTURE B-44-294

DRAWN BY JJS | PLANS CK'D. SEW

SUPERSTRUCTURE

SHEET 11

PRE_219

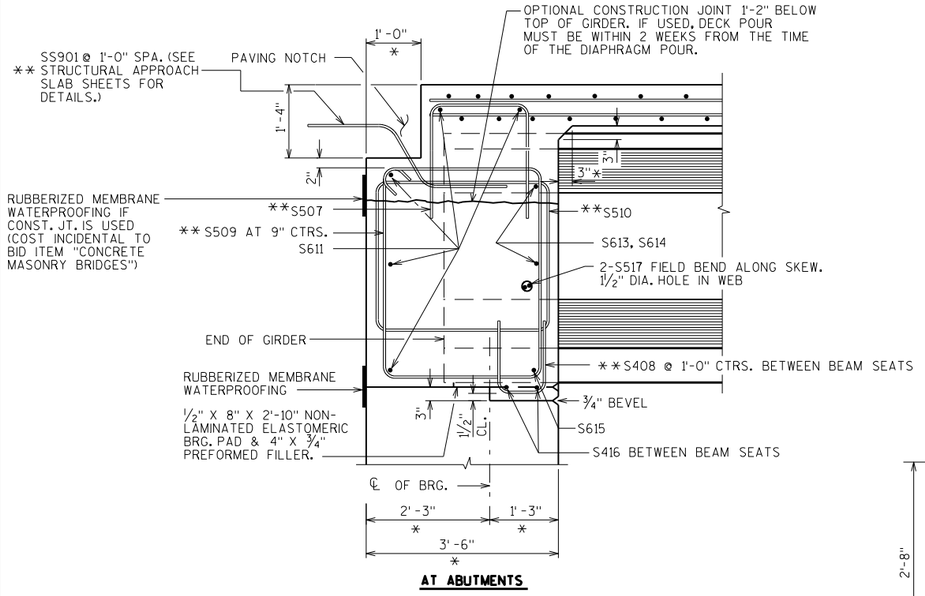
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STATE PROJECT NUMBER

1146-75-71

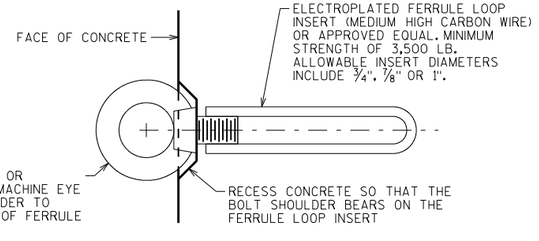


AT ABUTMENTS

PART LONGIT. SECTION

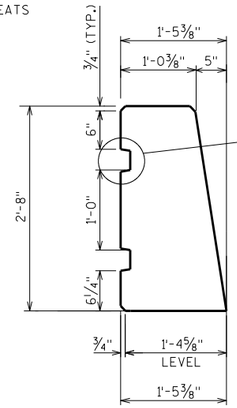
* DIMENSION IS TAKEN NORMAL TO ℄ SUBSTRUCTURE UNITS.

** BARS PLACED PARALLEL TO GIRDERS SPACING PERPENDICULAR TO ℄ GIRDERS

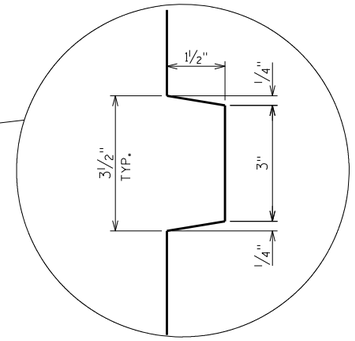


EYE BOLT DETAIL

COST INCIDENTAL TO BID ITEM "CONCRETE MASONRY BRIDGES".



MODIFIED 32SS PARAPET



DETAIL A

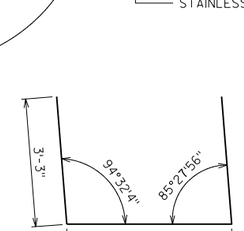
BILL OF BARS

NOTE: THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE.

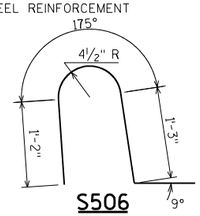
BAR MARK	COAT	NO. REQ'D.	LENGTH	BENT	BAR SERIES	LOCATION
S401	X	345	31'-10"			LONGITUNDINAL TOP & BOTTOM
S502	X	340	4'-7"	X		TRANSVERSE EDGE OF DECK TOP
S403	X	341	42'-5"			TRANSVERSE TOP AND BOTTOM
S504	X	24	47'-0"			PARAPET 32SS -HORIZ.
S505	X	278	5'-0"	X		PARAPET 32SS - VERT.
S506	X	278	4'-5"	X		PARAPET 32SS -VERT.
S507	X	64	6'-3"	X		ABUT. DIAPHRAGM -VERT.
S408	X	48	3'-5"	X		ABUT. DIAPHRAGM -VERT.
S509	X	68	11'-8"	X		ABUT. DIAPHRAGM - STIRRUP
S510	X	28	9'-10"	X		ABUT. DIAPHRAGM - STIRRUP
S611	X	10	42'-5"			ABUT. DIAPHRAGM - HORIZ. -B.F
S612	X	4	2'-5"			ABUT. DIAPHRAGM - HORIZ. -F.F ENDS
S613	X	48	3'-8"			ABUT. DIAPHRAGM - HORIZ. -F.F
S614	X	8	9'-4"	X		ABUT. DIAPHRAGM - HORIZ. -F.F
S615	X	12	3'-5"			ABUT. DIAPHRAGM - HORIZ.
S416	X	24	2'-5"			ABUT. DIAPHRAGM - HORIZ.
S517	X	28	6'-0"			ABUT. DIAPHRAGM - HORIZ.
S518	X	8	14'-0"	X		ABUT. DIAPHRAGM ENDS
S519	X	4	4'-6"	X		ABUT. DIAPHRAGM ENDS
S520	X	4	7'-1"	X		ABUT. DIAPHRAGM ENDS

SS901		86	5'-0"	X		CONC. ABUT. DIAPH. TO STRUCT. SLAB TIE

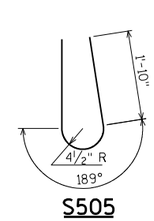
STAINLESS STEEL REINFORCEMENT



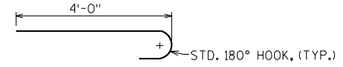
S614



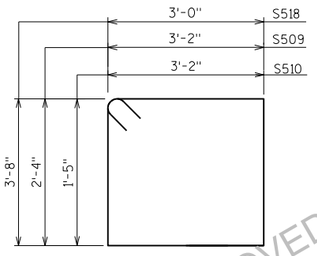
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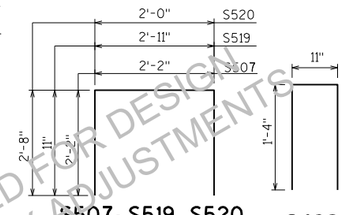
S505



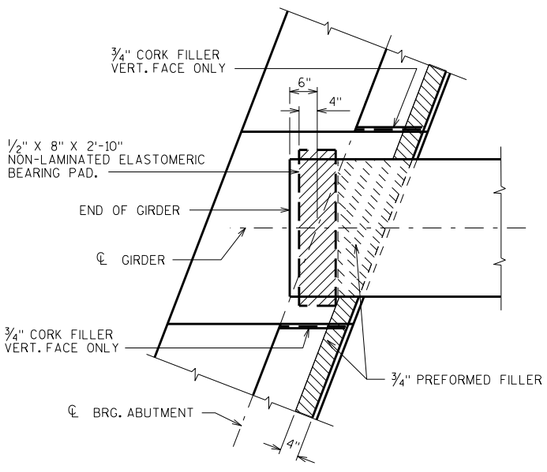
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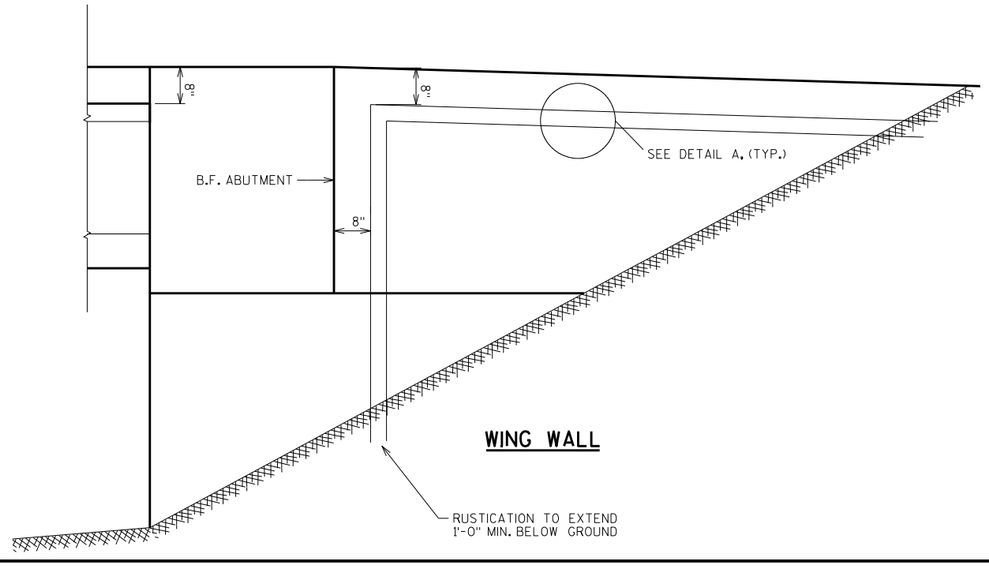
S509, S510, S518



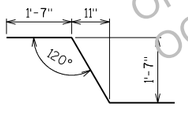
S507, S519, S520 S408



BEARING PAD DETAIL



WING WALL



SS901

(STAINLESS STEEL)

APPROVED FOR DESIGN OF UTILITY ADJUSTMENTS OCTOBER 2019

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-44-294

DRAWN BY JJS | PLANS CK'D. SEW

SUPERSTRUCTURE DETAILS

SHEET 12

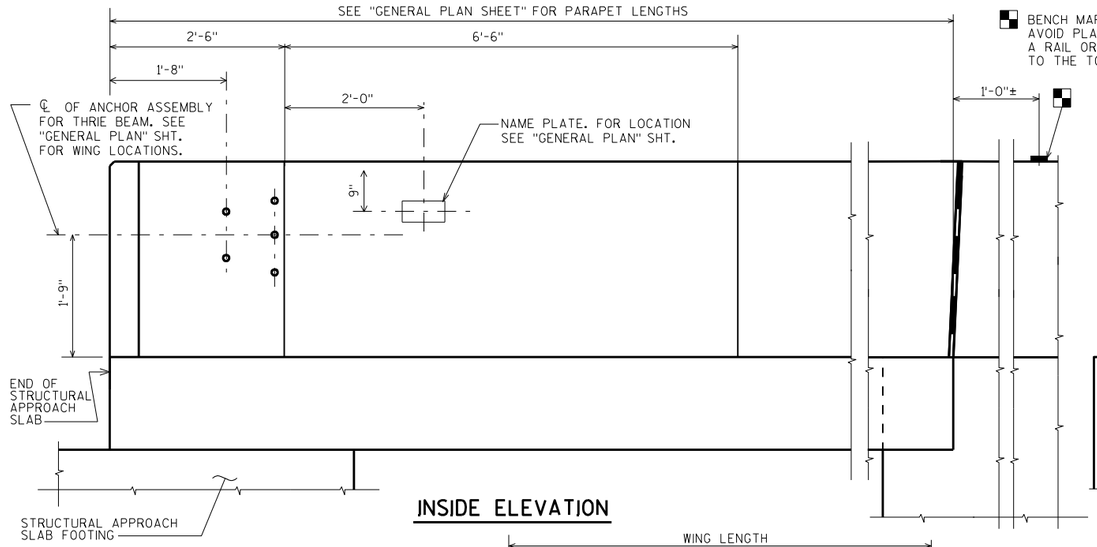
PRE_220

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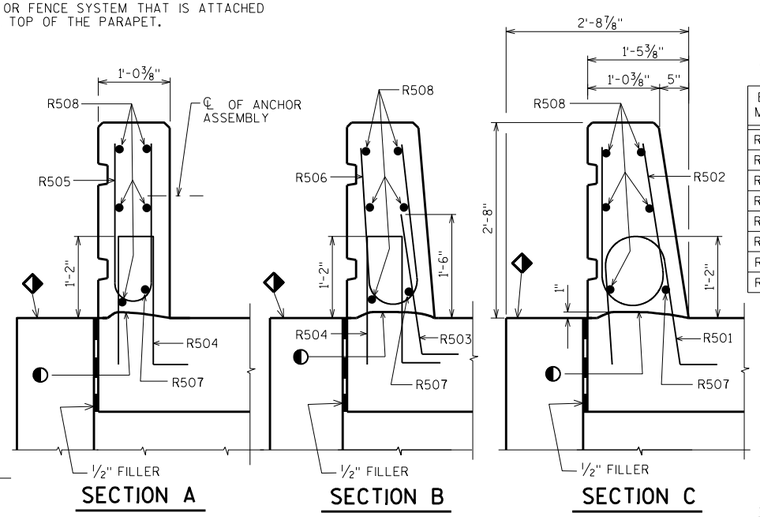
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8

STATE PROJECT NUMBER
1146-75-71



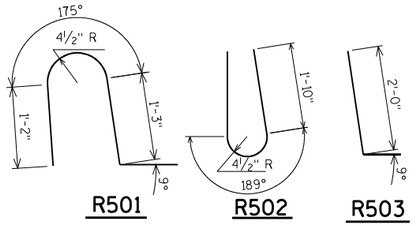
INSIDE ELEVATION

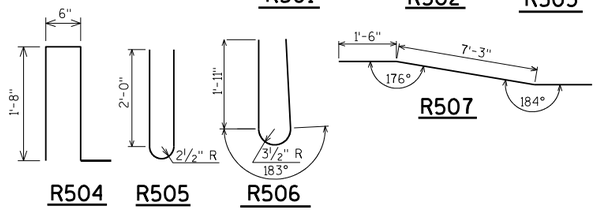


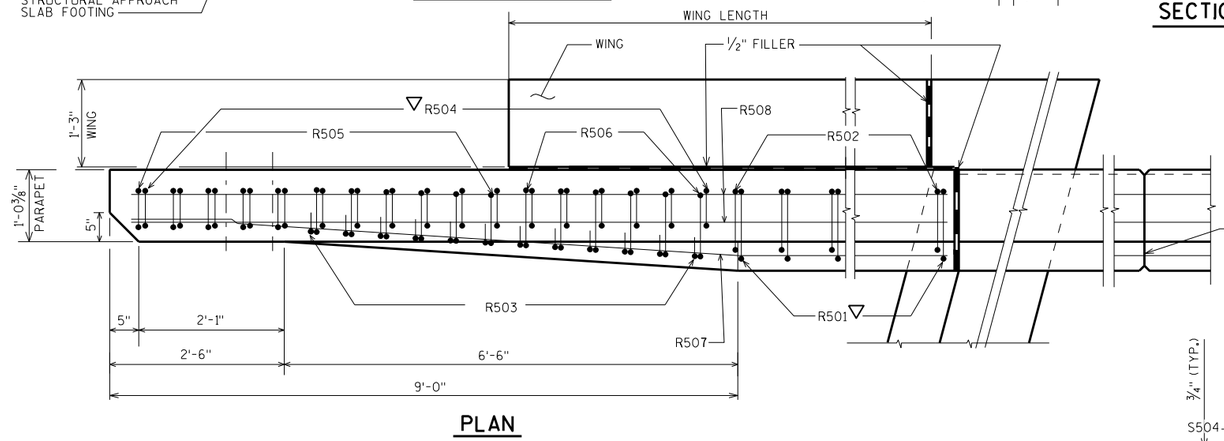
BILL OF BARS

FOR STRUCTURAL APPROACH SLAB PARAPETS

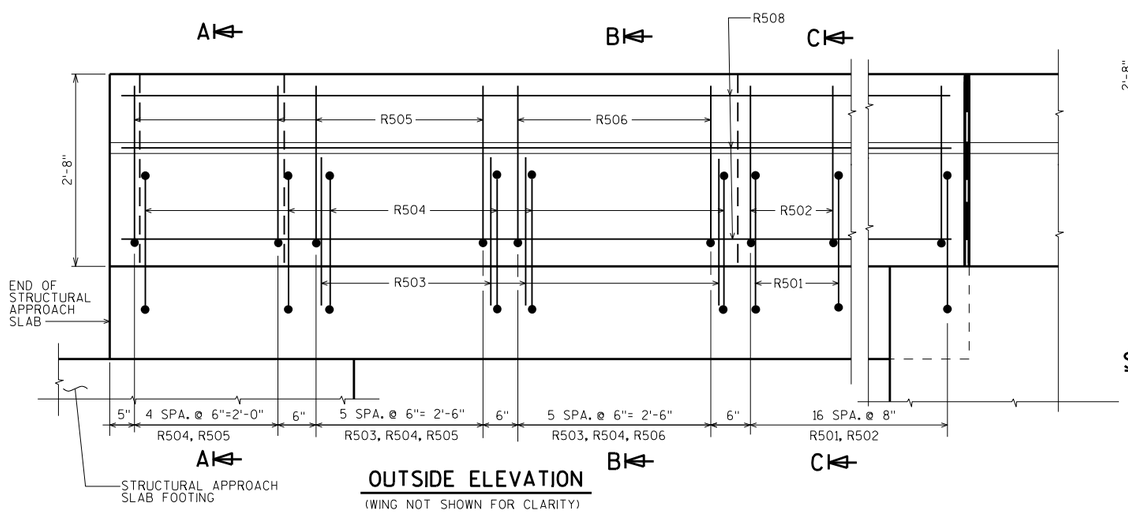
BAR MARK	COAT	W.APP. SLAB	E. APP. SLAB	LENGTH	BENT	BAR SERIES	LOCATION
R501	X	34	34	4'-5"	X		PARAPET VERT.
R502	X	34	34	5'-0"	X		PARAPET VERT.
R503	X	24	24	2'-9"	X		PARAPET VERT.
R504	X	34	34	4'-4"	X		PARAPET VERT.
R505	X	22	22	4'-9"	X		PARAPET VERT.
R506	X	12	12	4'-10"	X		PARAPET VERT.
R507	X	2	2	19'-6"	X		PARAPET HORIZ.
R508	X	10	10	19'-6"			PARAPET HORIZ.





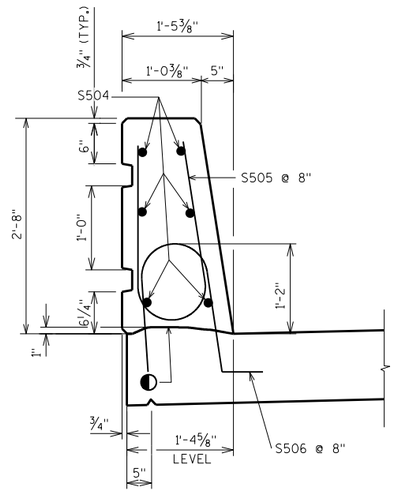


PLAN

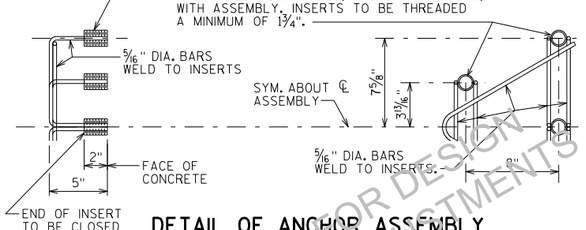


OUTSIDE ELEVATION

(WING NOT SHOWN FOR CLARITY)



SECTION THRU PARAPET ON BRIDGE



DETAIL OF ANCHOR ASSEMBLY

NOTE: HEX HEAD CAP SCREWS & WASHERS TO BE GALVANIZED IN ACCORDANCE WITH AASHTO M232 CLASS C.

ASSEMBLY SHALL BE BID ITEM "ANCHOR ASSEMBLIES FOR STEEL PLATE BEAM GUARD", EACH.

◆ SLOPE FOR DRAINAGE

◐ CONST. JOINT - STRIKE OFF AS SHOWN.

▽ R501 AND R504 BARS TO BE TIED TO STRUCTURAL APPROACH SLAB STEEL BEFORE STRUCTURAL APPROACH SLAB IS POURED.

APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS
OCTOBER 2021

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-44-294

DRAWN BY JJS | PLANS CK'D. SEW

MODIFIED SINGLE SLOPE PARAPET 32SS

SHEET 13

PRE_221

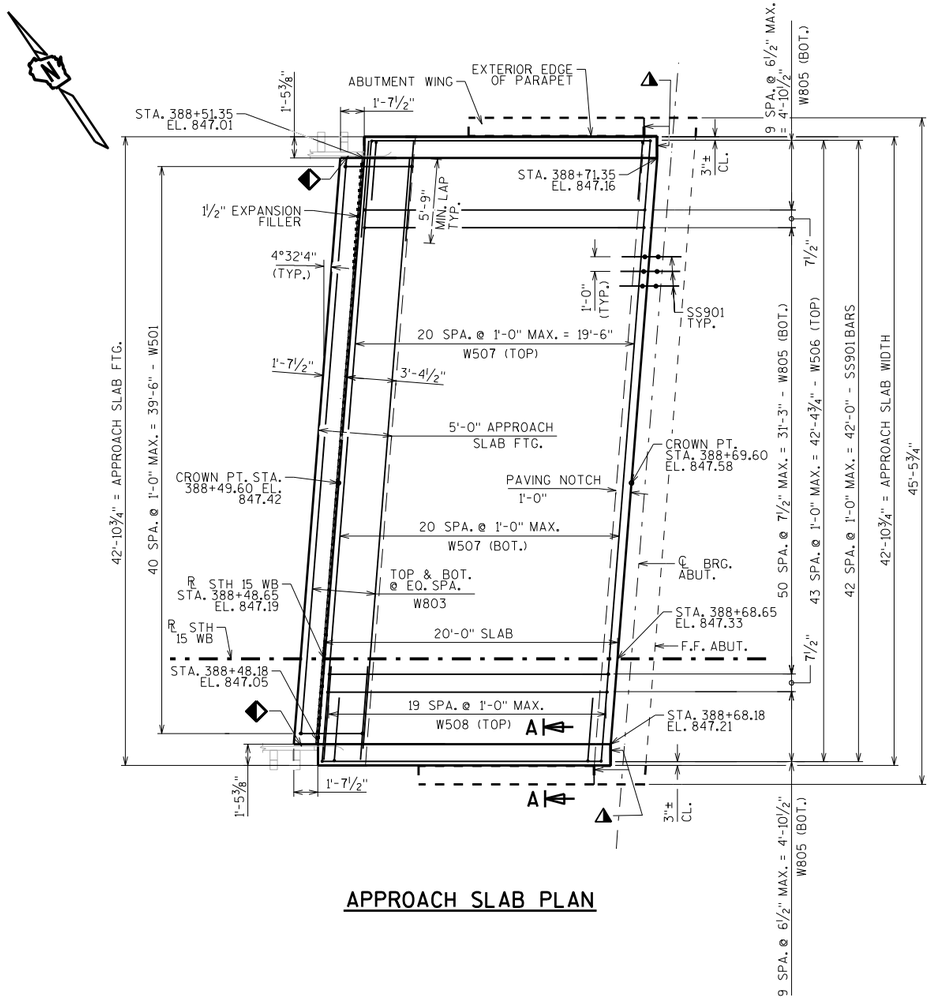
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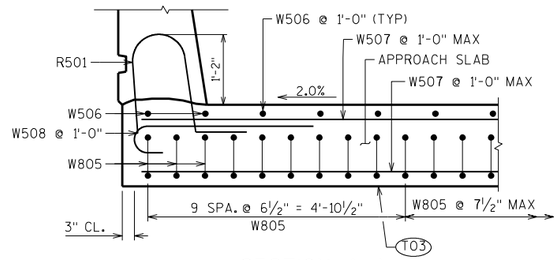
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STATE PROJECT NUMBER

1146-75-71



APPROACH SLAB PLAN



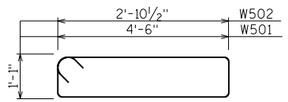
SECTION A-A

(NORTH END SIMILAR)

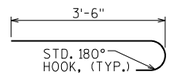
BILL OF BARS

NOTE: THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE.

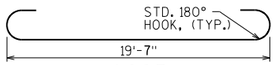
BAR MARK	COAT	NO. REQ'D.	LENGTH	BENT	LOCATION
W501	X	41	11'-10"	X	FOOTING - STIRRUP
W502	X	4	8'-7"	X	FOOTING - STIRRUP ENDS
W803	X	12	39'-9"		FOOTING - TRANS. - TOP & BTM.
W804	X	16	7'-2"		FOOTING END - TRANS.- TOP & BTM.
W805	X	71	21'-5"	X	SLAB - LONGIT. - BTM.
W506	X	44	19'-6"		SLAB - LONGIT. - TOP
W507	X	42	42'-6"		SLAB - TRANS. - TOP & BOT.
W508	X	40	4'-1"	X	SLAB-TRANS.-TOP EDGE- BTWN. W507



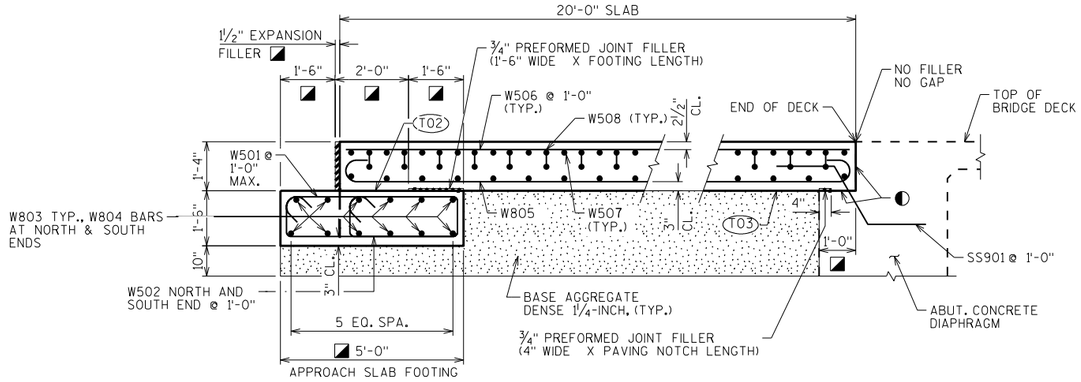
W501, W502



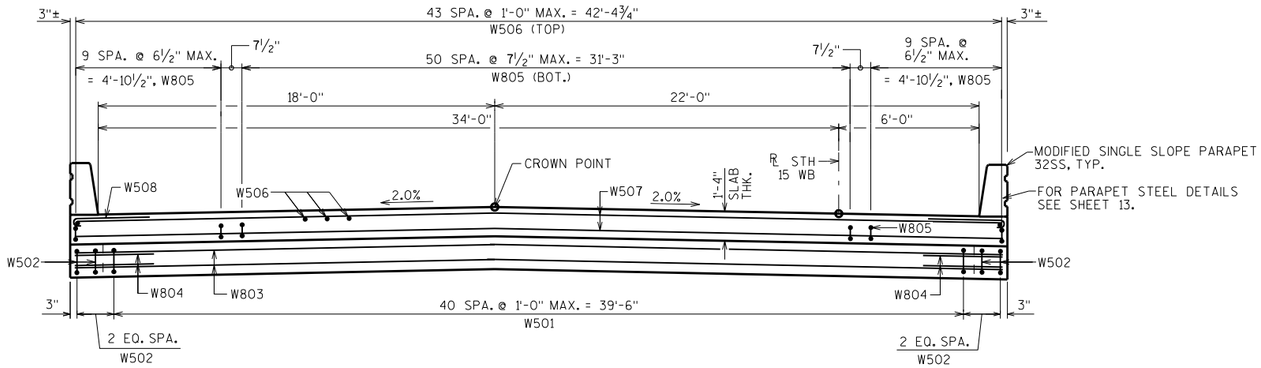
W508



W805



SECTION THRU APPROACH SLAB



CROSS SECTION THRU APPROACH SLAB

(LOOKING EAST)

◐ APPLY PROTECTIVE SURFACE TREATMENT TO PAVING NOTCH SURFACES PRIOR TO POURING STRUCTURAL APPROACH SLAB.

◪ MEASURED NORMAL TO ABUTMENT

(T02) STEEL TROWEL TOP SURFACE OF FOOTING AND PLACE MULTIPLE LAYERS (0.03" MIN. TOTAL THK.) OF POLYETHYLENE SHEETS OVER THE ENTIRE LENGTH OF THE FOOTING.

(T03) PLACE MULTIPLE LAYERS (0.03" MIN. TOTAL THK.) OF POLYETHYLENE SHEETS OVER THE ENTIRE LENGTH OF THE SUBGRADE.

◒ CONST. JOINT - STRIKE OFF AS SHOWN.

◆ THRIE BEAM GUARD ATTACHMENT LOCATION

▲ SEAL ALL EXPOSED HORIZ. & VERT. SURFACES OF 1/2" FILLER WITH NON-STAINING GRAY NON-BITUMINOUS JOINT SEALER. (1' DEEP AND HOLD 1/8" BELOW SURFACE OF CONCRETE). EXTEND SEALER 3" BELOW GUTTER LINE AT INSIDE FACE.

DESIGN DATA

ALLOWABLE SOIL BEARING PRESSURE	2,000 P.S.F
CONCRETE STRENGTH f'c	4,000 P.S.I.
BAR STEEL REINFORCMENT, GRADE 60	fy = 60,000 P.S.I.

APPROVED FOR DESIGN OF UTILITY ADJUSTMENTS OCTOBER 2019

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-44-294

DRAWN BY JJS | PLANS CK'D. SEW

WEST STRUCTURAL APPROACH SLAB PRE_222

SHEET 14

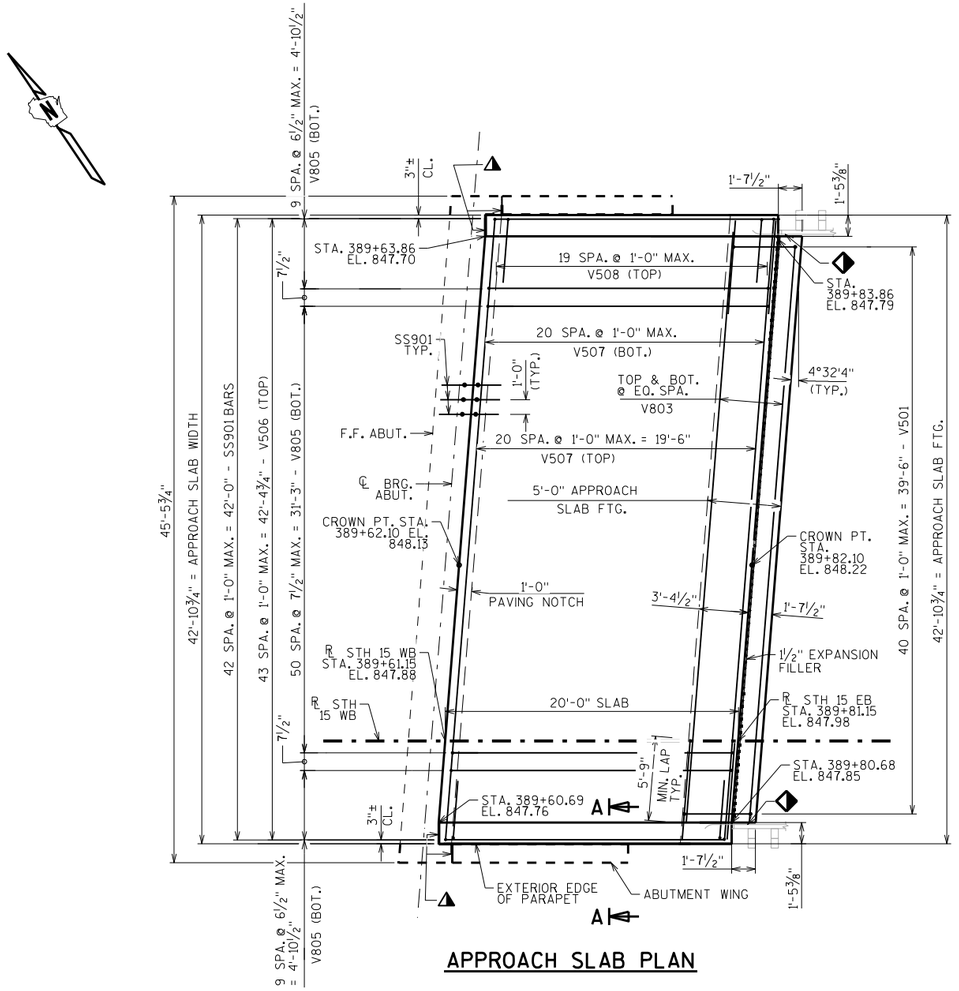
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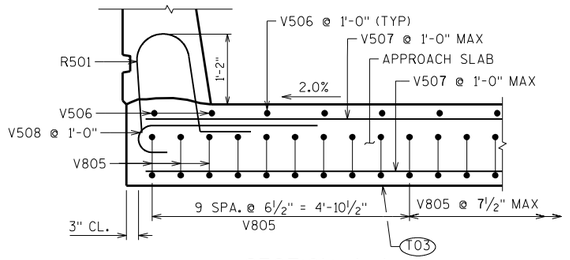
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STATE PROJECT NUMBER

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APPROACH SLAB PLAN



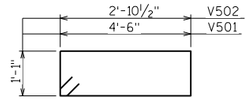
SECTION A-A

(NORTH END SIMILAR)

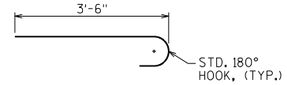
BILL OF BARS

NOTE: THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE.

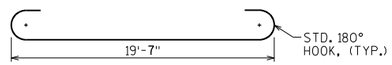
BAR MARK	COAT	NO. REQ'D.	LENGTH	BENT	LOCATION
V501	X	41	11'-10"	X	FOOTING - STIRRUP
V502	X	4	8'-7"	X	FOOTING - STIRRUP ENDS
V803	X	12	39'-9"		FOOTING - TRANS. - TOP & BTM.
V804	X	16	7'-2"		FOOTING END - TRANS.
V805	X	71	21'-5"	X	SLAB - LONGIT. - BTM.
V506	X	44	19'-6"		SLAB - LONGIT. - TOP
V507	X	42	42'-6"		SLAB - TRANS. - TOP & BOT.
V508	X	40	4'-1"	X	SLAB END - BTWN. V507 - TRANS.



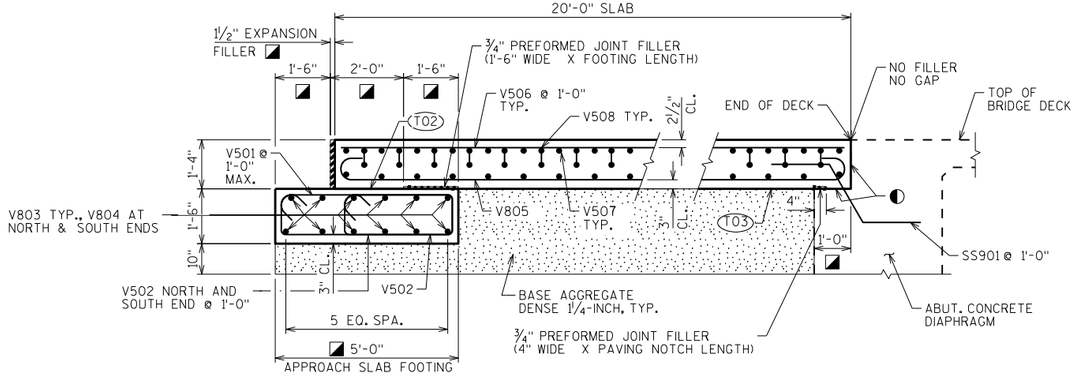
V501, V502



V508



V805



SECTION THRU APPROACH SLAB

◐ APPLY PROTECTIVE SURFACE TREATMENT TO PAVING NOTCH SURFACES PRIOR TO POURING STRUCTURAL APPROACH SLAB.

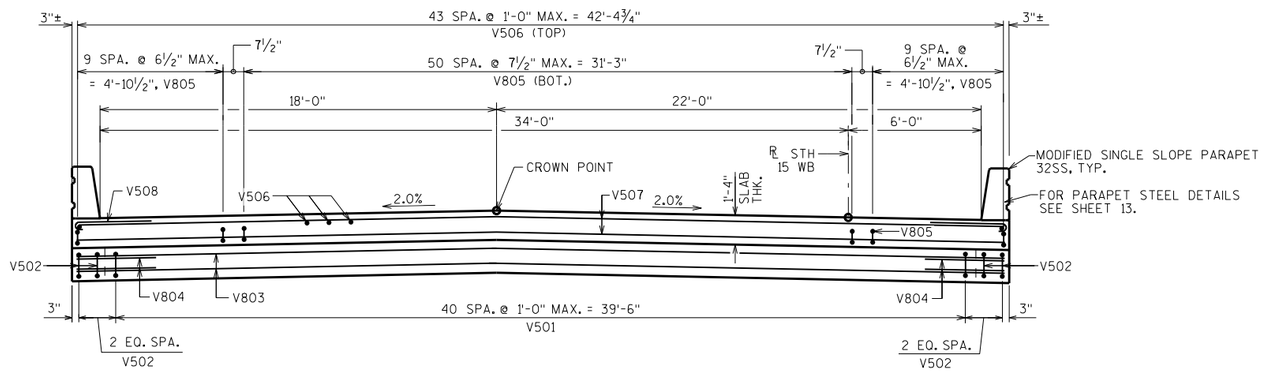
◪ MEASURED NORMAL TO ABUTMENT

(T02) STEEL TROWEL TOP SURFACE OF FOOTING AND PLACE MULTIPLE LAYERS (0.03" MIN. TOTAL THK.) OF POLYETHYLENE SHEETS OVER THE ENTIRE LENGTH OF THE FOOTING.

(T03) PLACE MULTIPLE LAYERS (0.03" MIN. TOTAL THK.) OF POLYETHYLENE SHEETS OVER THE ENTIRE LENGTH OF THE SUBGRADE.

◒ CONST. JOINT - STRIKE OFF AS SHOWN.

◆ THRIE BEAM GUARD ATTACHMENT LOCATION



CROSS SECTION THRU APPROACH SLAB

(LOOKING EAST)

▲ SEAL ALL EXPOSED HORIZ. & VERT. SURFACES OF 1/2" FILLER WITH NON-STAINING GRAY NON-BITUMINOUS JOINT SEALER. (1" DEEP AND HOLD 1/8" BELOW SURFACE OF CONCRETE). EXTEND SEALER 3" BELOW GUTTER LINE AT INSIDE FACE.

DESIGN DATA

ALLOWABLE SOIL BEARING PRESSURE	2,000 P.S.F.
CONCRETE STRENGTH f'c	4,000 P.S.I.
BAR STEEL REINFORCEMENT, GRADE 60 f'y = 60,000 P.S.I.	

APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS
OCTOBER 2019

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-44-294

DRAWN BY JJS | PLANS CK'D. SEW

EAST STRUCTURAL APPROACH SLAB PRE_223

SHEET 15

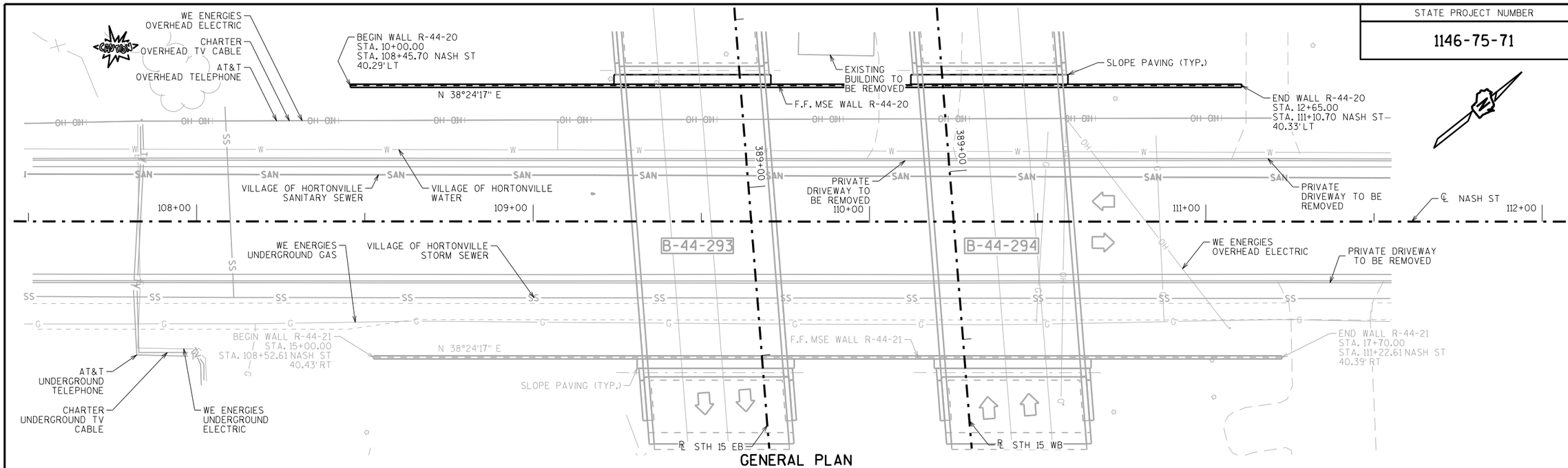
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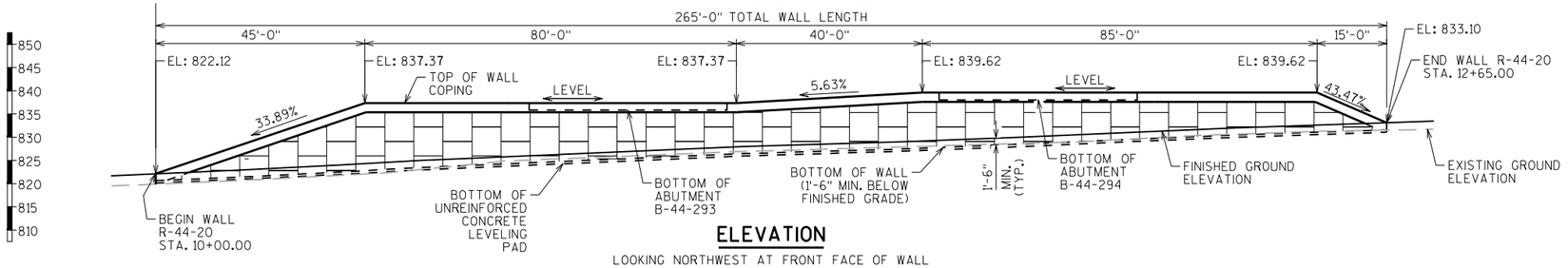
STATE PROJECT NUMBER

1146-75-71



GENERAL PLAN

R-44-20 MSE RETAINING WALL



ELEVATION

LOOKING NORTHWEST AT FRONT FACE OF WALL

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED

BAR STEEL REINFORCEMENT SHALL HAVE 2" CLEAR COVER UNLESS OTHERWISE SHOWN OR NOTED.

BEVEL ALL EXPOSED EDGES OF CONCRETE ¾" UNLESS OTHERWISE NOTED.

THE COST OF FURNISHING AND PLACING MSE BACKFILL WITHIN THE REINFORCED SOIL ZONE IS TO BE INCLUDED IN THE BID ITEM "WALL CONCRETE PANEL MECHANICALLY STABILIZED EARTH LRFD/QMP".

ALL WALL STATIONING AND OFFSETS ARE GIVEN AT THE FRONT FACE OF WALLS.

THE CONTRACTOR MUST COORDINATE THE CONSTRUCTION OF RETAINING WALLS R-44-20/21 WITH THE ABUTMENTS OF BRIDGES B-44-293/294.

THE PLAN QUANTITY FOR THE ITEM "WALL CONCRETE PANEL MECHANICALLY STABILIZED EARTH LRFD/QMP" IS BASED ON A WALL HEIGHT MEASURED FROM THE TOP OF WALL TO THE TOP OF THE LEVELING PAD, SET AT A CONSTANT DEPTH OF 1'-6" BELOW FINISHED GRADE. WALL AREAS CONSTRUCTED OUTSIDE THESE LIMITS WILL NOT BE MEASURED FOR PAYMENT.

THE QUANTITY OF CONCRETE MASONRY, REINFORCING STEEL, AND RUBBERIZED MEMBRANE WATERPROOFING FOR THE CAST-IN-PLACE COPING, IS PAID FOR UNDER THE ITEM "WALL CONCRETE PANEL MECHANICALLY STABILIZED EARTH LRFD/QMP".

DESIGN DATA

THE CONTRACTOR SHALL PROVIDE COMPLETE DESIGN, PLANS, DETAILS, SPECIFICATIONS, AND SHOP DRAWINGS FOR THE RETAINING WALLS IN ACCORDANCE WITH THE SPECIAL PROVISIONS. THE RETAINING WALL MANUFACTURER SHALL PROVIDE TECHNICAL ASSISTANCE TO THE CONTRACTOR DURING CONSTRUCTION. THE COST OF FURNISHING THESE ITEMS SHALL BE INCLUDED IN THE BID ITEM "WALL CONCRETE PANEL MECHANICALLY STABILIZED EARTH LRFD/QMP".

PLANS, ELEVATIONS, AND DETAILS SHOWN ON THESE PLANS ARE INTENDED TO INDICATE WALL LOCATIONS, LENGTHS, HEIGHTS, AND DETAILS COMMON TO THE WALL SYSTEM SELECTED. THE CONTRACTOR SHALL VERIFY THAT THE WALL SYSTEM SELECTED WILL CONFORM TO THE REQUIRED ALIGNMENTS AND DETAILS.

THE RETAINING WALL SHALL BE DESIGNED USING THE ELEVATIONS GIVEN ON THIS SHEET AND THE GEOMETRY TABLE ON SHEET 2.

DESIGN FOR RETAINING WALL TO PROVIDE FOR FINISHED GRADE SLOPED BEHIND WALL AS SHOWN.

DESIGN RETAINING WALL FOR A LIVE LOAD SURCHARGE OF 240 PSF.

THE MAXIMUM VALUE OF THE ANGLE OF INTERNAL FRICTION OF THE WALL BACKFILL MATERIAL IN THE REINFORCED ZONE SHALL BE ASSUMED TO BE 30° WITHOUT CERTIFIED TEST VALUES.

ALLOWABLE WALL SYSTEMS

WALL CONCRETE PANEL MECHANICALLY STABILIZED EARTH LRFD/QMP

MATERIAL PROPERTIES:

CONCRETE MASONRY (COPING) ——— f'c = 3,500 P.S.I.

BAR STEEL REINFORCEMENT, GRADE 60 ——— fy = 60,000 P.S.I.

LIST OF DRAWINGS

1. GENERAL PLAN
2. QUANTITIES, WALL DATA & PROFILES
3. WALL DETAILS
4. SUBSURFACE EXPLORATION

STRUCTURE DESIGN CONTACTS:

JOHN SENDOR (608) 266-5163

AARON BONK (608) 261-0261

NO.	DATE	REVISION	BY

APPROVED FOR DESIGN OF UTILITY ADJUSTMENTS OCTOBER 2019

BUREAU OF STRUCTURES

ACCEPTED _____ CHIEF STRUCTURES DESIGN ENGINEER _____ DATE

STRUCTURE R-44-20

MSE WALL ALONG B-44-293/294 WEST ABUTMENTS

COUNTY	VILLAGE
OUTAGAMIE	HORTONVILLE

DESIGN SPEC. AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS

DESIGNED BY	DESIGNED CK'D.	DRAWN BY	PLANS CK'D.
JJS	SEW	JJS	SEW

GENERAL PLAN

SHEET 1 OF 4

PRE_224

I.D. 1146-75-00P

DATE: MAR. 2017

SCALE = 15.00

8

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STATE PROJECT NUMBER

1146-75-71

SOIL PARAMETERS

SOIL DESCRIPTION	FRICTION ANGLE (DEGREES)	EFFECTIVE COHESION (PSF)	UNIT WEIGHT (PCF)
GRANULAR BACKFILL BEHIND THE WALL IN THE REINFORCING ZONE	30	0	120
FILL, GRANULAR BEHIND AND BELOW THE REINFORCING ZONE	31	0	120
BOR - B-350 - STA. 388+64 - 79.8' RT OF STH 15 EB ℄			
NEW GRANULAR FILL EL. 842.00 TO EL. 821.00	30	0	125
STIFF CLAY EL. 821.00 TO EL. 816.00	30	75	130
VERY DENSE SAND/GRAVEL EL. 816.00 TO EL. 812.00	36	0	135
WEATHERED ROCK/BEDROCK (DOLOMITE) EL. 812.00 AND BELOW	45	0	150
BOR - B-336 - STA. 388+65.5 - 13.8' RT OF STH 15 EB ℄			
NEW GRANULAR FILL EL. 845.00 TO EL. 824.00	30	0	125
VERY STIFF CLAY EL. 824.00 TO EL. 818.00	32	100	135
VERY DENSE SAND EL. 818.00 TO EL. 816.00	36	0	135
WEATHERED ROCK/BEDROCK (DOLOMITE) EL. 816.00 AND BELOW	45	0	150
BOR - B-338 - STA. 388+72.7 - 14.1' LT OF STH 15 WB ℄			
NEW GRANULAR FILL EL. 846.00 TO EL. 828.00	30	0	125
STIFF CLAY EL. 828.00 TO EL. 823.00	30	75	130
VERY DENSE SAND EL. 823.00 TO EL. 819.00	36	0	135
WEATHERED ROCK/BEDROCK (DOLOMITE) EL. 819.00 AND BELOW	45	0	150

WALL EXTERNAL & OVERALL STABILITY EVALUATION

DIMENSIONS			
WALL HEIGHT (FEET)[1]	15.2	12.4	11.5
EXPOSED WALL HEIGHT (FEET)	13.7	10.9	9.8
MINIMUM LENGTH OF REINFORCEMENT (FEET)[3]	9.1[2]	13.4[2]	11.6[2]
LENGTH OF REINFORCEMENT TO HEIGHT RATIO	0.7	0.7	0.7
BORING USED	BOR- 350	BOR- 336	BOR- 338
WALL STATION	10+55	10+90	11+75
CAPACITY TO DEMAND RATIO (CDR)[4]			
SLIDING (CDR > 1.0)	1.07	1.30	1.69
ECCENTRICITY (CDR > 1.0)	1.06	>10	3.40
OVERALL STABILITY (CDR > 1.0)[5]	1.0	1.1	1.1
BEARING RESISTANCE (CDR > 1.0)	2.2	1.65	1.0
FACTORED BEARING RESISTANCE (PSF)	6,600	10,100	3,100

NOTES:
1. WALL HEIGHT INCLUDES AN EMBEDMENT OF 1.5 FEET.
2. THE WALL STABILITY EVALUATION INCLUDED A SURCHARGE LOAD OF 240 PSF AND CONSTRUCTION AND MAINTENANCE LOADS WERE MODELED USING AN UNFACTORED LIVE LOAD OF 100 PSF.
3. THE LENGTH OF REINFORCEMENT IS THE MINIMUM REQUIRED LENGTH AT THAT LOCATION.
4. CDR REQUIREMENTS AND LOAD RESISTANCE FACTORS ARE PRESENTED IN CHAPTER 14 OF THE BRIDGE MANUAL.
5. GLOBAL STABILITY WAS EVALUATED AT THE CRITICAL WALL LOCATION.

GEOMETRY TABLE

WALL STATION	℄ NASH ST. STATION	OFFSET TO F.F. WALL	TOP OF WALL EL.	FINISHED GRADE EL.	EXISTING GRADE EL.
10+00.00	108+45.70	40.29'LT	822.12	822.12	819.91
10+25.00	108+70.70	40.29'LT	830.59	823.28	821.00
10+45.00	108+90.70	40.29'LT	837.37	824.34	822.09
10+50.00	108+95.70	40.29'LT	837.37	824.60	822.37
10+75.00	109+20.70	40.30'LT	837.37	825.79	824.89
11+00.00	109+45.70	40.30'LT	837.37	826.85	825.92
11+25.00	109+70.70	40.31'LT	837.37	827.94	826.88
11+50.00	109+95.70	40.31'LT	838.77	828.69	827.60
11+65.00	110+10.70	40.31'LT	839.62	829.21	828.06
11+75.00	110+20.70	40.32'LT	839.62	829.56	828.36
12+00.00	110+45.70	40.32'LT	839.62	830.60	829.08
12+25.00	110+70.70	40.32'LT	839.62	831.68	830.43
12+50.00	110+95.70	40.33'LT	839.62	832.59	831.32
12+65.00	111+10.70	40.33'LT	833.10	833.10	831.56

TOTAL ESTIMATED QUANTITIES

BID ITEM NUMBER	BID ITEMS	UNIT	TOTALS
612.0406	PIPE UNDERDRAIN WRAPPED 6-INCH	LF	285
SPV.0165	WALL CONCRETE PANEL MECHANICALLY STABILIZED EARTH LRFD/OMP	SF	2775
	NON-BID ITEMS		
	NON-BITUMINOUS JOINT SEALER	SIZE	1"
	PREFORMED JOINT FILLER	SIZE	3/4"
	EXPANDED POLYSTYRENE	SIZE	1"
	CORK FILLER	SIZE	1"

8

8

APPROVED FOR DESIGN OF UTILITY ADJUSTMENTS OCTOBER 2019

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE R-44-20

DRAWN BY JJS | PLANS CK'D. SEW

QUANTITIES, WALL DATA & PROFILES

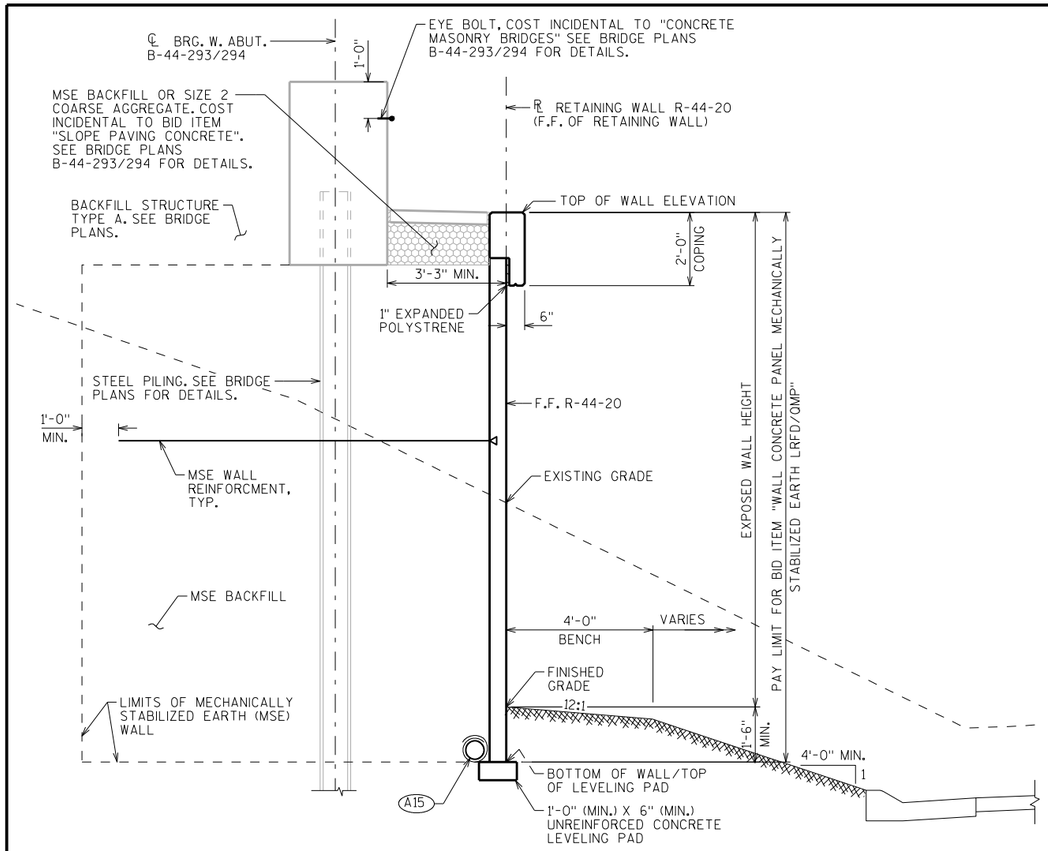
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PRE_225

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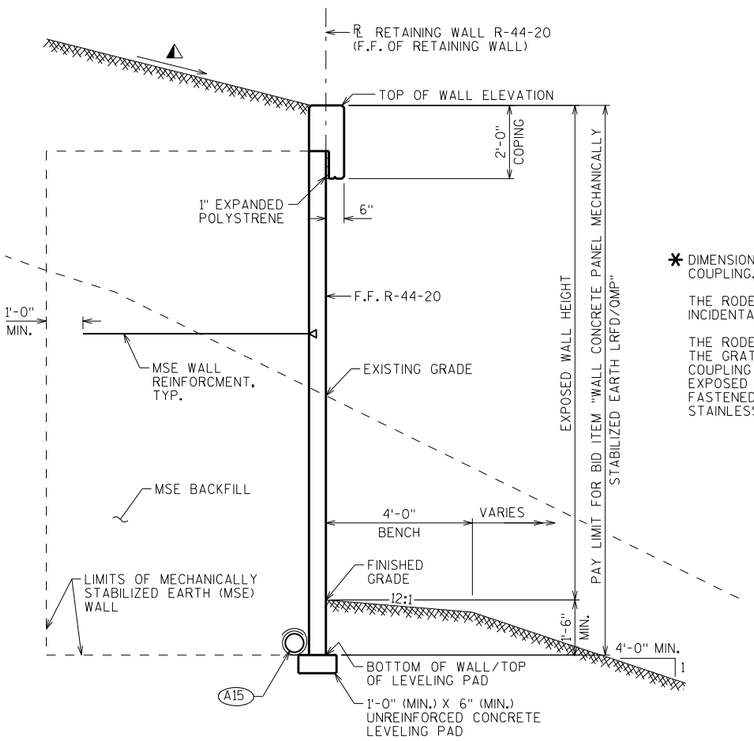
STATE PROJECT NUMBER

1146-75-71



TYPICAL SECTION AT ABUTMENT

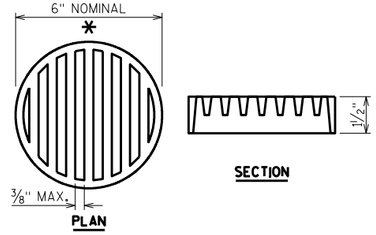
LOOKING NORTHEAST (WALL STATION)
STA. 10+78.00 TO 11+26.00
STA. 11+66.00 TO 12+14.00



TYPICAL SECTION

LOOKING NORTHEAST (WALL STATION)
STA. 10+00.00 TO 10+78.00
STA. 11+26.00 TO 11+66.00
STA. 12+14.00 TO 12+65.00

⚠ SLOPE BEHIND MSE WALL VARIES, SEE ROADWAY PLANS FOR MORE INFORMATION

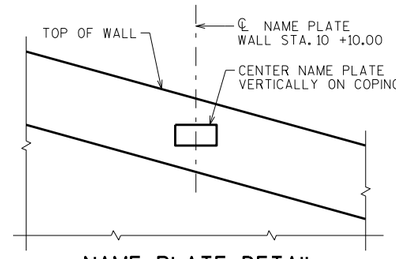


RODENT SHIELD DETAIL

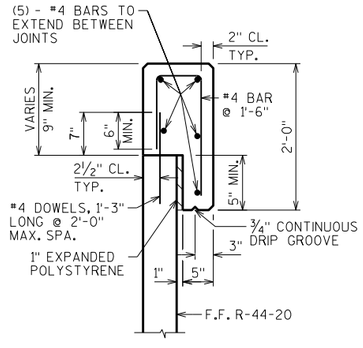
* DIMENSIONS ARE APPROXIMATE. THE GRATE IS SIZED TO FIT INTO A PIPE COUPLING. ORIENT SO SLOTS ARE VERTICAL.

THE RODENT SHIELD, PIPE COUPLING AND SCREWS SHALL BE CONSIDERED INCIDENTAL TO THE BID ITEM "PIPE UNDERDRAIN WRAPPED 6-INCH".

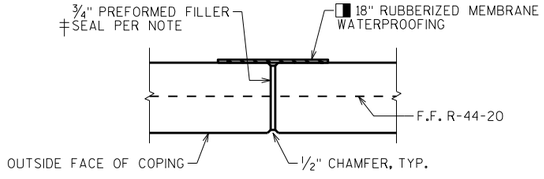
THE RODENT SHIELD SHALL BE A PVC GRATE SIMILAR TO THIS DETAIL. THE GRATE IS COMMERCIALLY AVAILABLE AS A FLOOR STRAINER. A PIPE COUPLING IS REQUIRED FOR THE ATTACHEMENT OF THIS SHIELD TO THE EXPOSED END OF THE PIPE UNDERDRAIN. THE SHIELD SHALL BE FASTENED TO THE PIPE COUPLING WITH TWO OR MORE NO. 10 X 1-INCH STAINLESS STEEL SHEET METAL SCREWS.



NAME PLATE DETAIL



CAST-IN-PLACE CONCRETE COPING DETAIL

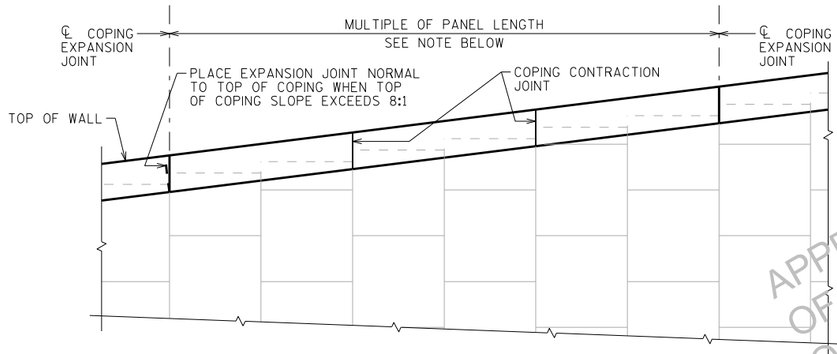


COPING EXPANSION JOINT

DO NOT RUN BAR STEEL THRU JOINT.
MAX. SPACING OF JOINT = 50'

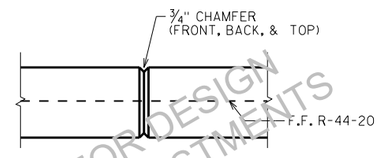
‡ SEAL ALL EXPOSED HORIZ. & VERT. SURFACES OF FILLER WITH NON-STAINING GRAY NON-BITUMINOUS JOINT SEALER. (1" DEEP AND HOLD 1/8" BELOW SURFACE OF CONC.)

◨ MEMBRANE WATERPROOFING TO EXTEND FROM TOP OF COPING TO 6" BELOW TOP OF PANELS.



CAST-IN-PLACE COPING PARTIAL ELEVATION

LOOKING AT F.F. WALL



COPING CONTRACTION JOINT

DO NOT RUN BAR STEEL THRU JOINT.
MAX. SPACING OF JOINT = 12'

A15 PIPE UNDERDRAIN WRAPPED (6-INCH). SLOPE 0.5% MIN. TO SUITABLE DRAINAGE. RODENT SHIELD REQUIRED.

NOTE:
ALL JOINTS MUST COINCIDE WITH PANEL JOINT ON FRONT FACE.

APPROVED FOR DESIGN OF UTILITY ADJUSTMENTS OCTOBER 2019

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE R-44-20

DRAWN BY JJS | PLANS CK'D. SEW

WALL DETAILS

SHEET 3

PRE_226

SCALE = 2.00

8

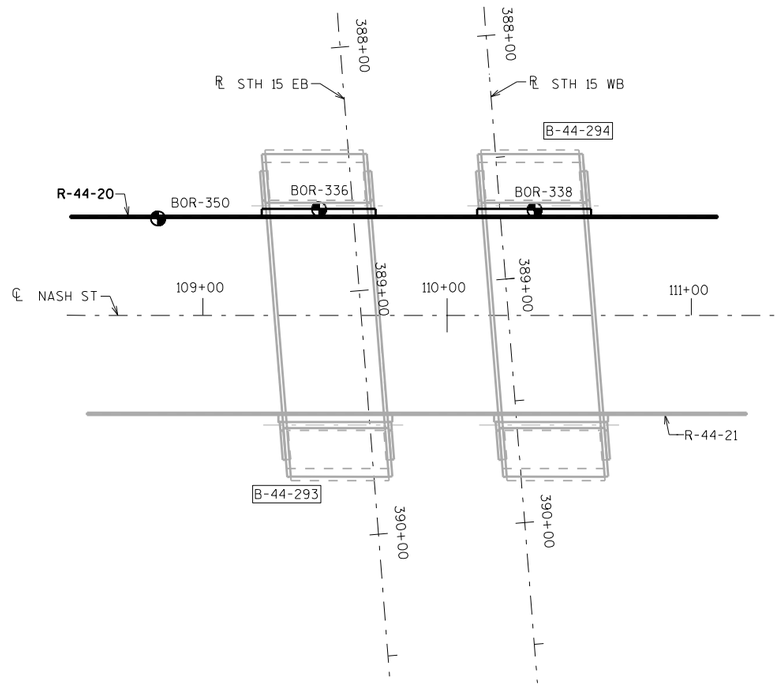
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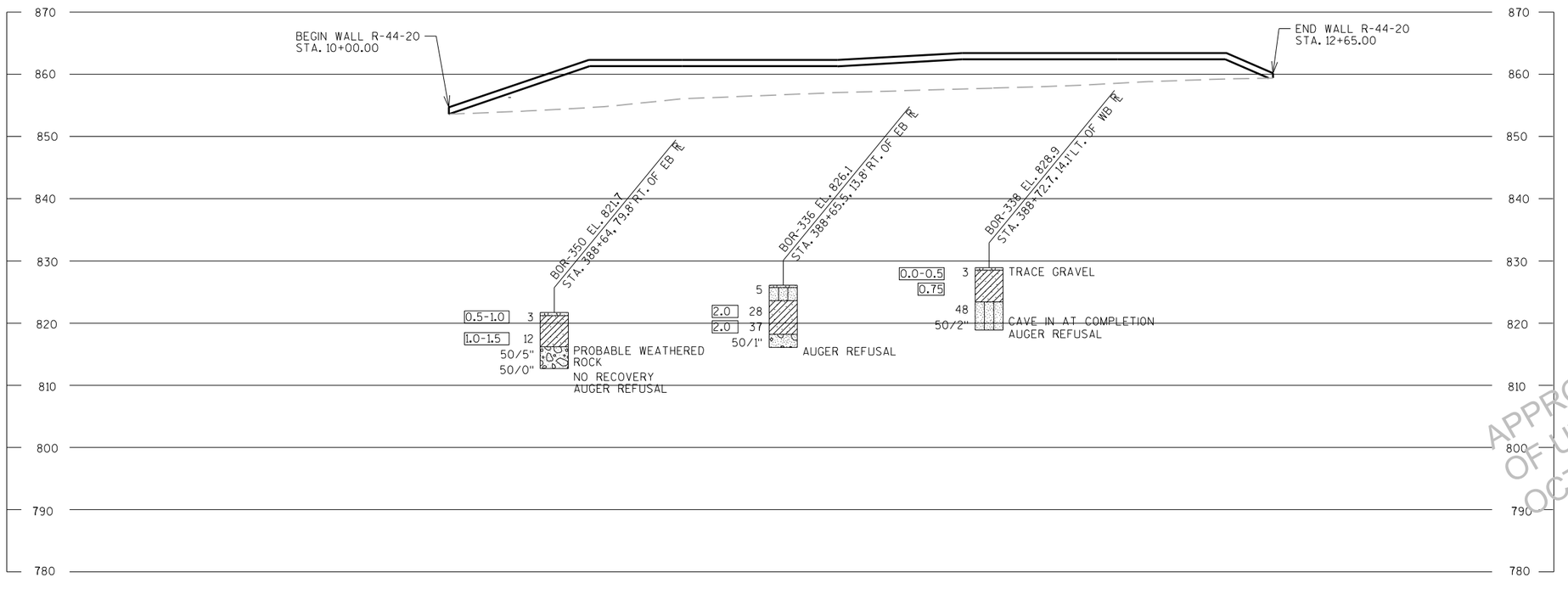
BORING #	DATE COMPLETED	NORTHING (Y)	EASTING (X)
336	3/31/2014	591890	768785
338	3/31/2014	591959	768840
350	3/31/2014	591836	768747

BORINGS COMPLETED BY: GESTRA

REPORT COMPLETED BY: CH2M HILL

ALL COORDINATES REFERENCED TO WCCS NAD 83(91) OUTAGAMIE COUNTY





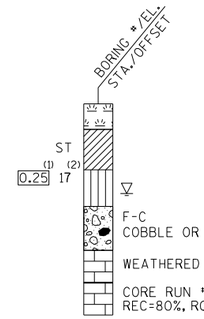
STATE PROJECT NUMBER

1146-75-71

MATERIAL SYMBOLS

ASPHALT	TOPSOIL	PEAT
CONCRETE	FILL	GRAVEL
SAND	CLAY	SILT
BOULDERS OR COBBLES	LIMESTONE	BEDROCK (UNKNOWN)
SHALE	SANDSTONE	IGNEOUS/ META

LEGEND OF BORING



(1) UNCONFINED STRENGTH, AS DETERMINED BY A POCKET PENETROMETER (TSF)

(2) UNLESS OTHERWISE SPECIFIED THE SPT 'N' VALUE IS BASED ON AASHTO T-206, STANDARD PENETRATION TEST. THE SPT 'N' VALUE PRESENTED HAS NOT BEEN CORRECTED FOR OVERBURDEN PRESSURE OR HAMMER EFFICIENCY.

GROUND WATER ELEVATION

- ▽ AT TIME OF DRILLING
- ▼ END OF DRILLING
- ▽ AFTER DRILLING

ABBREVIATIONS

F-FINE M-MEDIUM C-COARSE ST-SHELBY TUBE

SUBSURFACE EXPLORATION FOR FOUNDATION DESIGN AND BIDDERS INFORMATION

BORINGS WERE COMPLETED AT POINTS APPROXIMATELY AS INDICATED ON THIS DRAWING TO OBTAIN INFORMATION CONCERNING THE CHARACTER OF SUBSURFACE MATERIALS FOUND AT THE SITE. BECAUSE THE INVESTIGATED DEPTHS ARE LIMITED AND THE AREA OF THE BORINGS IS VERY SMALL IN RELATION TO THE ENTIRE SITE, THE WISCONSIN DEPARTMENT OF TRANSPORTATION DOES NOT WARRANT SIMILAR SUBSURFACE CONDITIONS BELOW, BETWEEN, OR BEYOND THESE BORINGS. VARIATIONS IN SOIL CONDITIONS SHOULD BE EXPECTED AND FLUCTUATIONS IN GROUNDWATER LEVELS MAY OCCUR.

APPROVED FOR USE OF UTILITY ACCOMMODATION OCTOBER 2019

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE R-44-20

DRAWN BY TLP | PLANS CK'D. SEW

SUBSURFACE EXPLORATION

SHEET 4

PRE_227

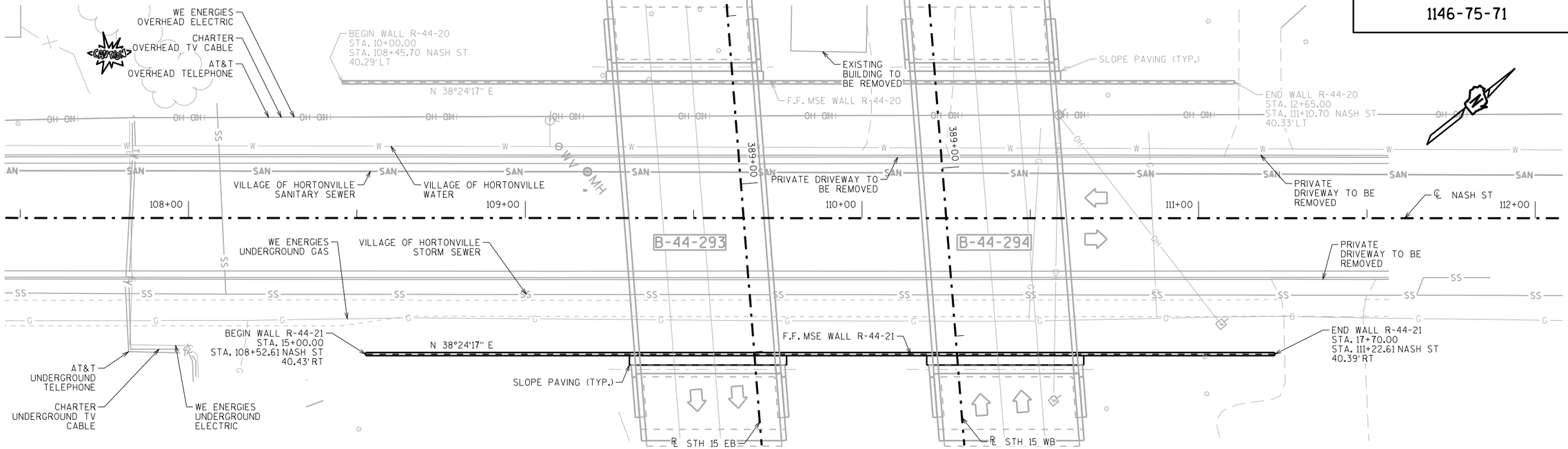
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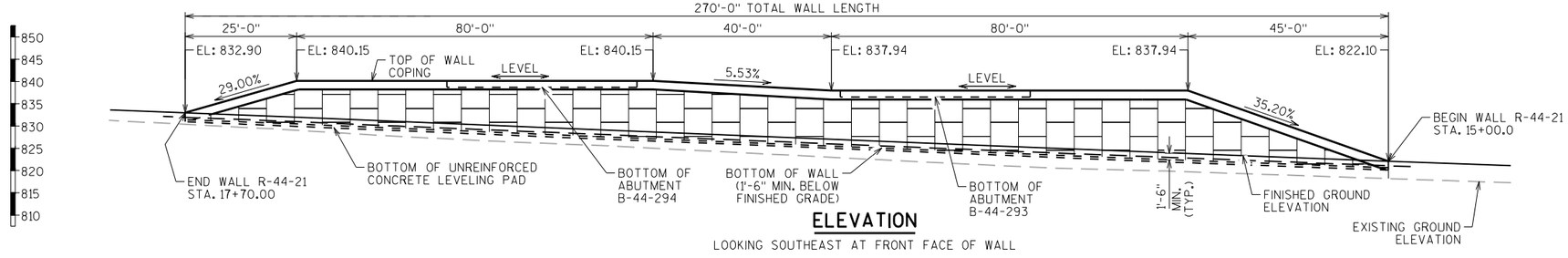
STATE PROJECT NUMBER

1146-75-71



GENERAL PLAN

R-44-21 MSE RETAINING WALL



ELEVATION

LOOKING SOUTHEAST AT FRONT FACE OF WALL

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED

BAR STEEL REINFORCEMENT SHALL HAVE 2" CLEAR COVER UNLESS OTHERWISE SHOWN OR NOTED.

BEVEL ALL EXPOSED EDGES OF CONCRETE ¾" UNLESS OTHERWISE NOTED.

THE COST OF FURNISHING AND PLACING MSE BACKFILL WITHIN THE REINFORCED SOIL ZONE IS TO BE INCLUDED IN THE BID ITEM "WALL CONCRETE PANEL MECHANICALLY STABILIZED EARTH LRFD/OMP".

ALL WALL STATIONING AND OFFSETS ARE GIVEN AT THE FRONT FACE OF WALLS.

THE CONTRACTOR MUST COORDINATE THE CONSTRUCTION OF RETAINING WALLS R-44-20/21 WITH THE ABUTMENTS OF BRIDGES B-44-293/294.

THE PLAN QUANTITY FOR THE ITEM "WALL CONCRETE PANEL MECHANICALLY STABILIZED EARTH LRFD/OMP" IS BASED ON A WALL HEIGHT MEASURED FROM THE TOP OF WALL TO THE TOP OF THE LEVELING PAD, SET AT A CONSTANT DEPTH OF 1'-6" BELOW FINISHED GRADE. WALL AREAS CONSTRUCTED OUTSIDE THESE LIMITS WILL NOT BE MEASURED FOR PAYMENT.

THE QUANTITY OF CONCRETE MASONRY, REINFORCING STEEL, AND RUBBERIZED MEMBRANE WATERPROOFING FOR THE CAST-IN-PLACE COPING, IS PAID FOR UNDER THE ITEM "WALL CONCRETE PANEL MECHANICALLY STABILIZED EARTH LRFD/OMP".

DESIGN DATA

THE CONTRACTOR SHALL PROVIDE COMPLETE DESIGN, PLANS, DETAILS, SPECIFICATIONS, AND SHOP DRAWINGS FOR THE RETAINING WALLS IN ACCORDANCE WITH THE SPECIAL PROVISIONS. THE RETAINING WALL MANUFACTURER SHALL PROVIDE TECHNICAL ASSISTANCE TO THE CONTRACTOR DURING CONSTRUCTION. THE COST OF FURNISHING THESE ITEMS SHALL BE INCLUDED IN THE BID ITEM "WALL CONCRETE PANEL MECHANICALLY STABILIZED EARTH LRFD/OMP".

PLANS, ELEVATIONS, AND DETAILS SHOWN ON THESE PLANS ARE INTENDED TO INDICATE WALL LOCATIONS, LENGTHS, HEIGHTS, AND DETAILS COMMON TO THE WALL SYSTEM SELECTED. THE CONTRACTOR SHALL VERIFY THAT THE WALL SYSTEM SELECTED WILL CONFORM TO THE REQUIRED ALIGNMENTS AND DETAILS.

THE RETAINING WALL SHALL BE DESIGNED USING THE ELEVATIONS GIVEN ON THIS SHEET AND THE GEOMETRY TABLE ON SHEET 2.

DESIGN FOR RETAINING WALL TO PROVIDE FOR FINISHED GRADE SLOPED BEHIND WALL AS SHOWN.

DESIGN RETAINING WALL FOR A LIVE LOAD SURCHARGE OF 240 PSF.

THE MAXIMUM VALUE OF THE ANGLE OF INTERNAL FRICTION OF THE WALL BACKFILL MATERIAL IN THE REINFORCED ZONE SHALL BE ASSUMED TO BE 30° WITHOUT CERTIFIED TEST VALUES.

ALLOWABLE WALL SYSTEMS

WALL CONCRETE PANEL MECHANICALLY STABILIZED EARTH LRFD/OMP

MATERIAL PROPERTIES:

CONCRETE MASONRY (COPING) ——— f'c = 3,500 P.S.I.

BAR STEEL REINFORCEMENT, GRADE 60 ——— fy = 60,000 P.S.I.

LIST OF DRAWINGS

1. GENERAL PLAN
2. QUANTITIES, WALL DATA & PROFILES
3. WALL DETAILS
4. SUBSURFACE EXPLORATION

STRUCTURE DESIGN CONTACTS:
JOHN SENDOR (608) 266-5163
AARON BONK (608) 261-0291

NO.	DATE	REVISION	BY

BUREAU OF STRUCTURES

ACCEPTED _____ CHIEF STRUCTURES DESIGN ENGINEER _____ DATE

APPROVED FOR DESIGN OF UTILITY ADJUSTMENTS OCTOBER 2019

STRUCTURE R-44-21

MSE WALL ALONG B-44-293/294 EAST ABUTMENTS

COUNTY	VILLAGE
OUTAGAMIE	HORTONVILLE

DESIGN SPEC. AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS

DESIGNED BY	DESIGNED CK'D.	DRAWN BY	PLANS CK'D.
JJS	SEW	JJS	SEW

GENERAL PLAN

SHEET 1 OF 4

PRE_228

I.D. 1146-75-000 DATE: MAR. 2017

SCALE = 15.00

8

8

STATE PROJECT NUMBER

1146-75-71

SOIL PARAMETERS

SOIL DESCRIPTION	FRICTION ANGLE (DEGREES)	EFFECTIVE COHESION (PSF)	UNIT WEIGHT (PCF)
GRANULAR BACKFILL BEHIND THE WALL IN THE REINFORCING ZONE	30	0	120
FILL, GRANULAR BEHIND AND BELOW THE REINFORCING ZONE	31	0	120
BOR - B-351 - STA. 389+41.5 - 118.1' RT OF STH 15 EB ℄			
NEW GRANULAR FILL EL. 846.00 TO EL. 818.00	30	0	125
STIFF CLAY EL. 818.00 TO EL. 813.00	30	75	125
MEDIUM DENSE SAND EL. 813.00 TO EL. 810.00	32	0	125
VERY DENSE SAND EL. 810.00 TO EL. 806.00	36	0	135
WEATHERED ROCK/BEDROCK DOLOMITE EL. 806.00 AND BELOW	45	0	150
BOR - B-337 - STA. 389+52.6 - 14.3' RT OF STH 15 EB ℄			
NEW GRANULAR FILL EL. 846.00 TO EL. 821.00	30	0	125
LOOSE SILT EL. 821.00 TO EL. 816.00	30	0	120
VERY DENSE SAND AND SILT EL. 816.00 TO EL. 811.00	36	0	135
WEATHERED ROCK/BEDROCK-DOLOMITE EL. 811.00 AND BELOW	45	0	150
BOR - B-339 - STA. 389+59.8 - 13.6' LT OF STH 15 WB ℄			
NEW GRANULAR FILL EL. 845.00 TO EL. 825.00	30	0	125
STIFF CLAY EL. 825.00 TO EL. 821.00	30	75	125
VERY DENSE SAND EL. 821.00 TO EL. 817.00	36	0	135
WEATHERED ROCK/BEDROCK-DOLOMITE EL. 817.00 AND BELOW	45	0	150

WALL EXTERNAL & OVERALL STABILITY EVALUATION

DIMENSIONS			
WALL HEIGHT (FEET)[1]	15.1	13.7	12.5
EXPOSED WALL HEIGHT (FEET)	13.6	12.2	11
MINIMUM LENGTH OF REINFORCEMENT (FEET)[3]	10.6[2]	15.3[2]	12.3[2]
LENGTH OF REINFORCEMENT TO HEIGHT RATIO	0.7	0.7	0.7
BORING USED	BOR- 351	BOR- 337	BOR- 339
WALL STATION	15+55	15+90	16+70
CAPACITY TO DEMAND RATIO (CDR)[4]			
SLIDING (CDR > 1.0)	1.05	1.40	1.25
ECCENTRICITY (CDR > 1.0)	1.30	7.25	4.16
OVERALL STABILITY (CDR > 1.0)[5]	1.07	1.11	1.00
BEARING RESISTANCE (CDR > 1.0)	1.73	2.83	3.14
FACTORED BEARING RESISTANCE (PSF)	7,800	11,500	11,300

NOTES:
1. WALL HEIGHT INCLUDES AN EMBEDMENT OF 1.5 FEET.
2. THE WALL STABILITY EVALUATION INCLUDED A SURCHARGE LOAD OF 240 PSF AND CONSTRUCTION AND MAINTENANCE LOADS WERE MODELED USING AN UNFACTORED LIVE LOAD OF 100 PSF.
3. THE LENGTH OF REINFORCEMENT IS THE MINIMUM REQUIRED LENGTH AT THAT LOCATION
4. CDR REQUIREMENTS AND LOAD RESISTANCE FACTORS ARE PRESENTED ARE PRESENTED IN CHAPTER 14 OF THE BRIDGE MANUAL.
5. GLOBAL SLOPE STABILITY WAS EVALUATED AT THE CRITICAL WALL LOCATION

GEOMETRY TABLE

WALL STATION	℄ NASH ST. STATION	OFFSET TO F.F. WALL	TOP OF WALL EL.	FINISHED GRADE EL.	EXISTING GRADE EL.
15+00.00	108+52.61	40.43' RT	822.10	822.10	818.23
15+25.00	108+77.61	40.43' RT	830.90	823.08	819.10
15+45.00	108+97.61	40.43' RT	837.94	823.81	819.75
15+50.00	109+02.61	40.42' RT	837.94	823.98	819.91
15+75.00	109+27.61	40.42' RT	837.94	824.99	820.59
16+00.00	109+52.61	40.42' RT	837.94	826.02	821.71
16+25.00	109+77.61	40.41' RT	837.94	827.05	823.02
16+50.00	110+02.61	40.41' RT	839.32	828.06	824.27
16+65.00	110+17.61	40.41' RT	840.15	828.66	825.05
16+75.00	110+27.61	40.40' RT	840.15	829.05	825.57
17+00.00	110+52.61	40.40' RT	840.15	830.07	826.61
17+25.00	110+77.61	40.39' RT	840.15	831.12	827.82
17+45.00	110+97.61	40.39' RT	840.15	831.98	829.06
17+50.00	111+02.61	40.39' RT	838.70	832.18	829.37
17+70.00	111+22.61	40.39' RT	832.90	832.90	830.68

TOTAL ESTIMATED QUANTITIES

BID ITEM NUMBER	BID ITEMS	UNIT	TOTALS
612.0406	PIPE UNDERDRAIN WRAPPED 6-INCH	LF	290
SPV.0165	WALL CONCRETE PANEL MECHANICALLY STABILIZED EARTH LRFD/OMP	SF	3063
	NON-BID ITEMS		
	NON-BITUMINOUS JOINT SEALER	SIZE	1"
	PREFORMED JOINT FILLER	SIZE	¾"
	EXPANDED POLYSTYRENE	SIZE	1"
	CORK FILLER	SIZE	1"

8

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APPROVED FOR DESIGN OF UTILITY ADJUSTMENTS OCTOBER 2019

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE R-44-21

DRAWN BY JJS | PLANS CK'D. SEW

QUANTITIES, WALL DATA & PROFILES

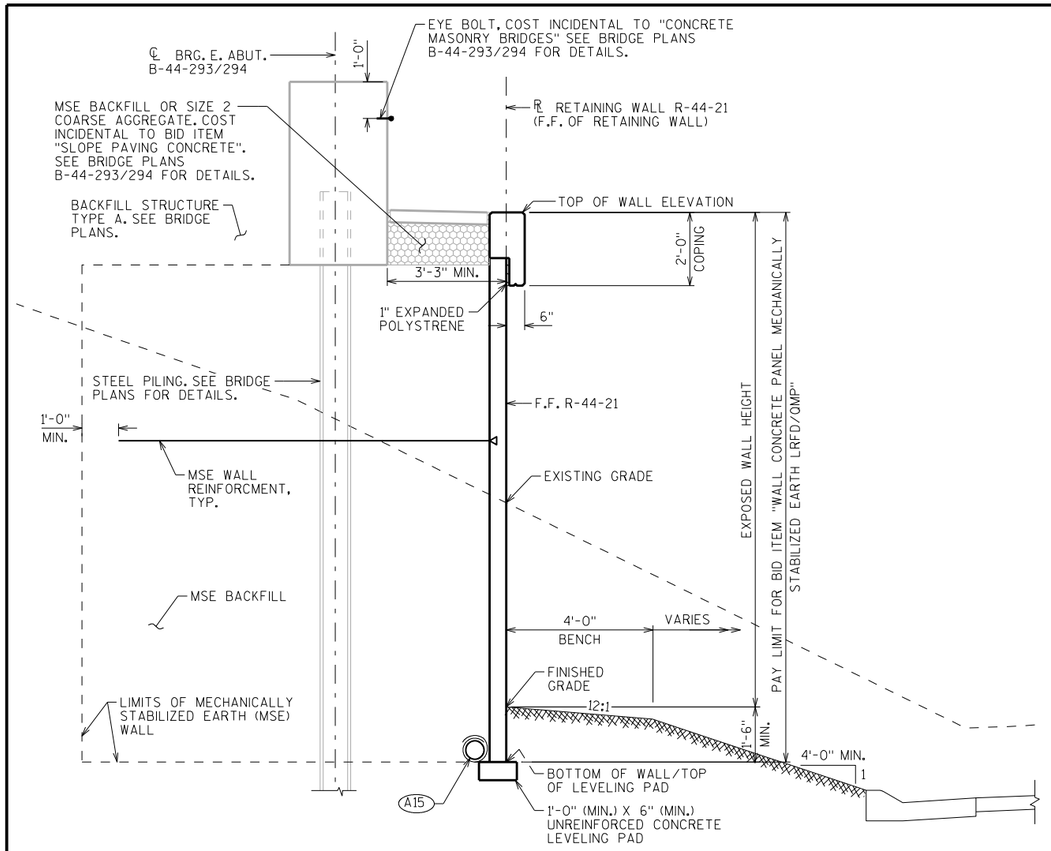
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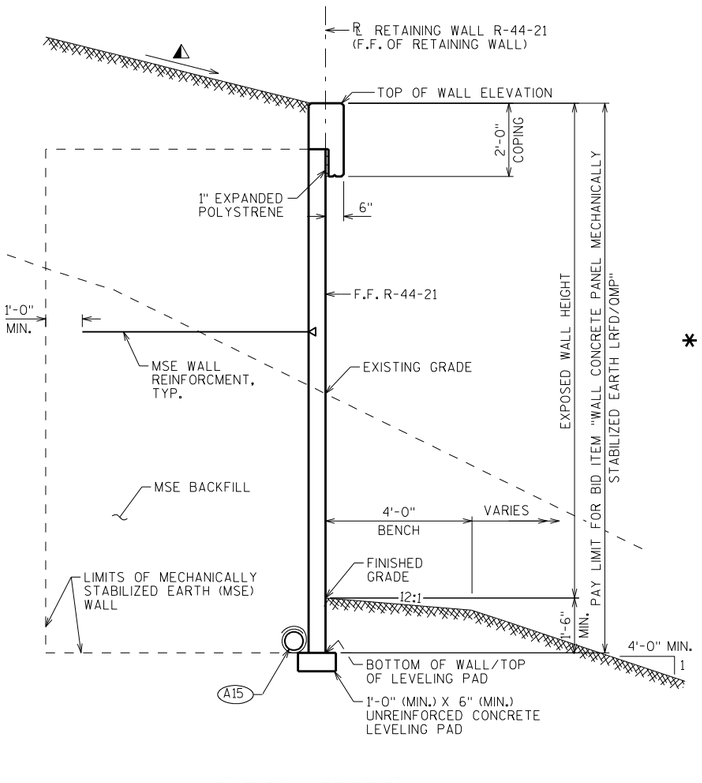
STATE PROJECT NUMBER

1146-75-71



TYPICAL SECTION AT ABUTMENT

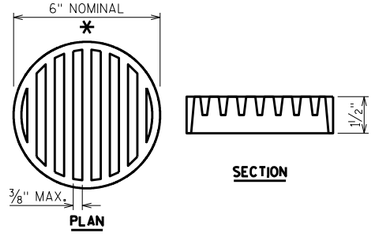
LOOKING SOUTHEAST (WALL STATION)
STA. 15+78.36 TO 16+25.01
STA. 16+66.63 TO 17+13.28



TYPICAL SECTION

LOOKING SOUTHEAST (WALL STATION)
STA. 15+00.00 TO 15+78.36
STA. 16+25.01 TO 16+66.63
STA. 17+13.28 TO 17+70.00

⚠ SLOPE BEHIND MSE WALL VARIES, SEE ROADWAY PLANS FOR MORE INFORMATION.

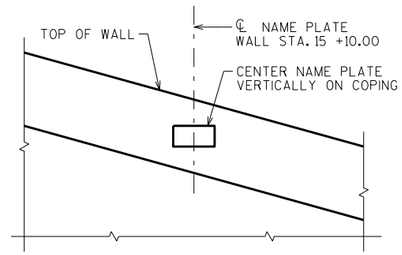


RODENT SHIELD DETAIL

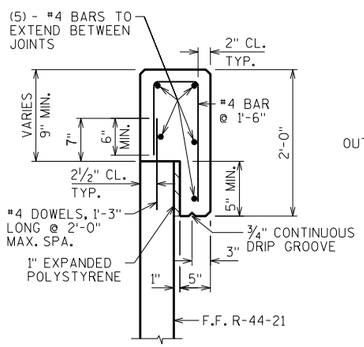
* DIMENSIONS ARE APPROXIMATE. THE GRATE IS SIZED TO FIT INTO A PIPE COUPLING. ORIENT SO SLOTS ARE VERTICAL.

THE RODENT SHIELD, PIPE COUPLING AND SCREWS SHALL BE CONSIDERED INCIDENTAL TO THE BID ITEM "PIPE UNDERDRAIN WRAPPED 6-INCH".

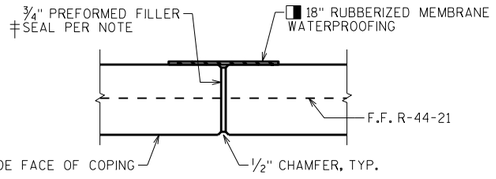
THE RODENT SHIELD SHALL BE A PVC GRATE SIMILAR TO THIS DETAIL. THE GRATE IS COMMERCIALLY AVAILABLE AS A FLOOR STRAINER. A PIPE COUPLING IS REQUIRED FOR THE ATTACHEMENT OF THIS SHIELD TO THE EXPOSED END OF THE PIPE UNDERDRAIN. THE SHIELD SHALL BE FASTENED TO THE PIPE COUPLING WITH TWO OR MORE NO. 10 X 1-INCH STAINLESS STEEL SHEET METAL SCREWS.



NAME PLATE DETAIL



CAST-IN-PLACE CONCRETE COPING DETAIL

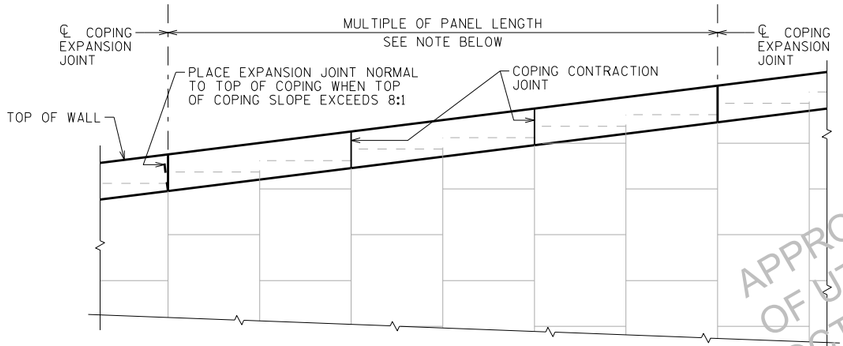


COPING EXPANSION JOINT

DO NOT RUN BAR STEEL THRU JOINT.
MAX. SPACING OF JOINT = 50'

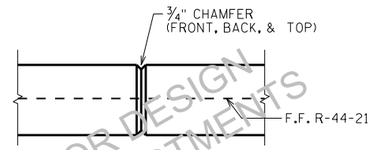
‡ SEAL ALL EXPOSED HORIZ. & VERT. SURFACES OF FILLER WITH NON-STAINING GRAY NON-BITUMINOUS JOINT SEALER. (1" DEEP AND HOLD ⅛" BELOW SURFACE OF CONC.)

◨ MEMBRANE WATERPROOFING TO EXTEND FROM TOP OF COPING TO 6" BELOW TOP OF PANELS.



CAST-IN-PLACE COPING PARTIAL ELEVATION

LOOKING AT F.F. WALL



COPING CONTRACTION JOINT

DO NOT RUN BAR STEEL THRU JOINT.
MAX. SPACING OF JOINT = 12'

A15 PIPE UNDERDRAIN WRAPPED (6-INCH). SLOPE 0.5% MIN. TO SUITABLE DRAINAGE. RODENT SHIELD REQUIRED.

NOTE:
ALL JOINTS MUST COINCIDE WITH PANEL JOINT ON FRONT FACE.

APPROVED FOR DESIGN OF UTILITY INVESTMENTS OCTOBER 2019

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE R-44-21

DRAWN BY JJS | PLANS CK'D. SEW

SHEET 3

WALL DETAILS

PRE_230

SCALE = 2.00

8

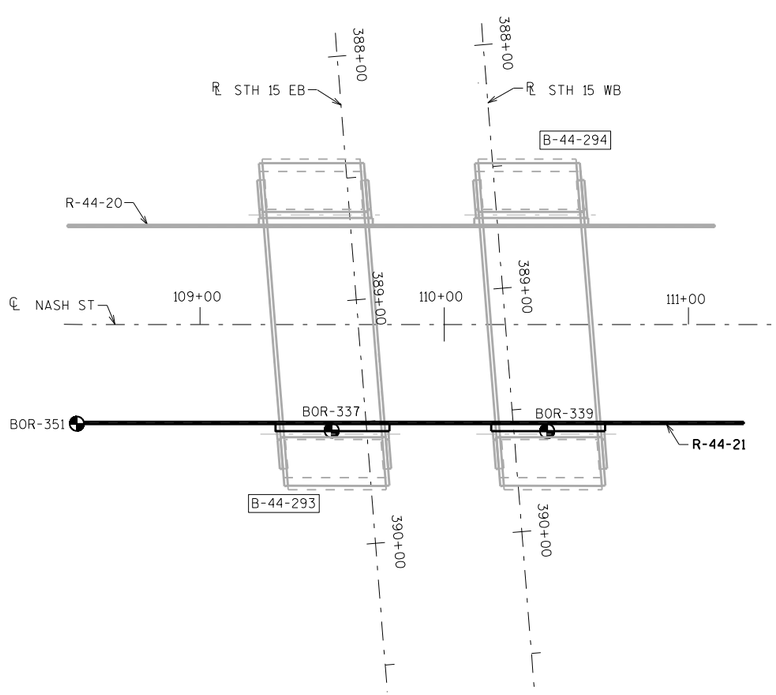
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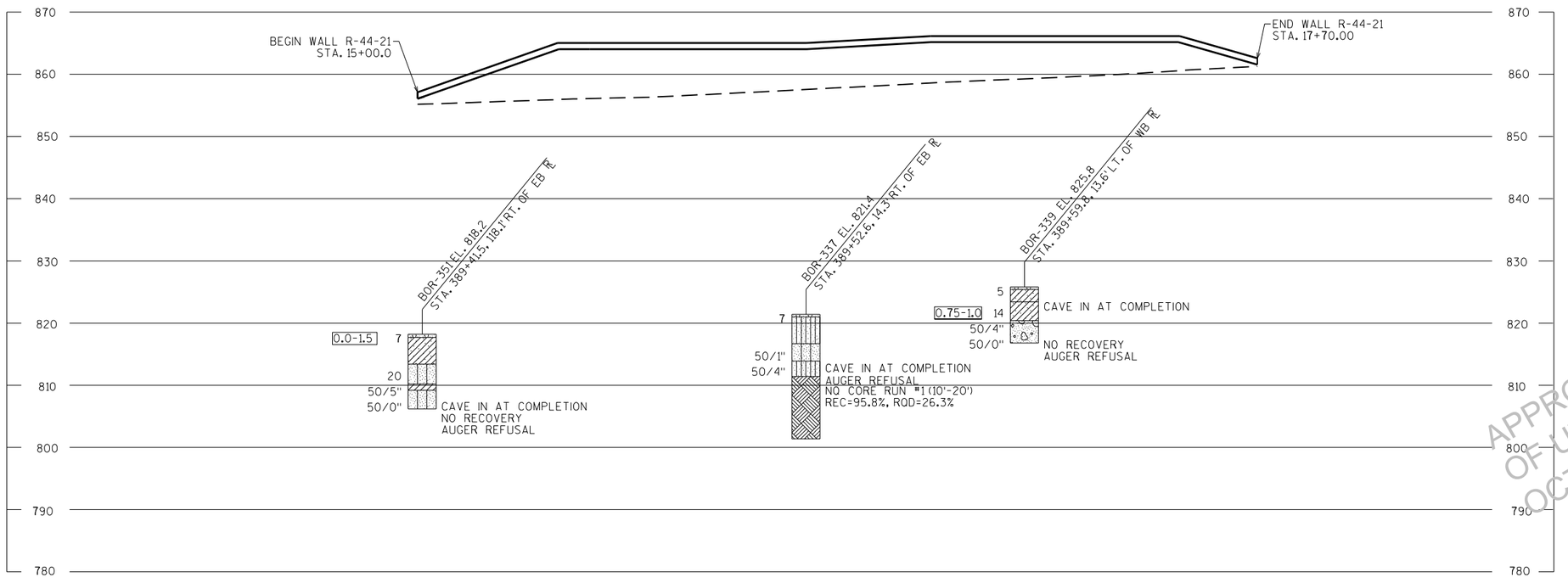
BORING #	DATE COMPLETED	NORTHING (Y)	EASTING (X)
337	3/31/2014	591841	768857
339	3/31/2014	591910	768912
351	3/31/2014	591761	768790

BORINGS COMPLETED BY: GESTRA

REPORT COMPLETED BY: CH2M HILL

ALL COORDINATES REFERENCED TO WCCS NAD 83(91) OUTAGAMIE COUNTY





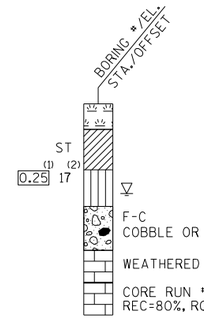
STATE PROJECT NUMBER

1146-75-71

MATERIAL SYMBOLS

ASPHALT	TOPSOIL	PEAT
CONCRETE	FILL	GRAVEL
SAND	CLAY	SILT
BOULDERS OR COBBLES	LIMESTONE	BEDROCK (UNKNOWN)
SHALE	SANDSTONE	IGNEOUS/ META

LEGEND OF BORING



(1) UNCONFINED STRENGTH, AS DETERMINED BY A POCKET PENETROMETER (TSF)

(2) UNLESS OTHERWISE SPECIFIED THE SPT 'N' VALUE IS BASED ON AASHTO T-206, STANDARD PENETRATION TEST. THE SPT 'N' VALUE PRESENTED HAS NOT BEEN CORRECTED FOR OVERBURDEN PRESSURE OR HAMMER EFFICIENCY.

GROUND WATER ELEVATION

- AT TIME OF DRILLING
- END OF DRILLING
- AFTER DRILLING

ABBREVIATIONS

F-FINE M-MEDIUM C-COARSE ST-SHELBY TUBE

SUBSURFACE EXPLORATION FOR FOUNDATION DESIGN AND BIDDERS INFORMATION

BORINGS WERE COMPLETED AT POINTS APPROXIMATELY AS INDICATED ON THIS DRAWING TO OBTAIN INFORMATION CONCERNING THE CHARACTER OF SUBSURFACE MATERIALS FOUND AT THE SITE. BECAUSE THE INVESTIGATED DEPTHS ARE LIMITED AND THE AREA OF THE BORINGS IS VERY SMALL IN RELATION TO THE ENTIRE SITE, THE WISCONSIN DEPARTMENT OF TRANSPORTATION DOES NOT WARRANT SIMILAR SUBSURFACE CONDITIONS BELOW, BETWEEN, OR BEYOND THESE BORINGS. VARIATIONS IN SOIL CONDITIONS SHOULD BE EXPECTED AND FLUCTUATIONS IN GROUNDWATER LEVELS MAY OCCUR.

APPROVED FOR USE OF UTILITY ACCOMMODATION OCTOBER 2019

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE R-44-21

DRAWN BY TLP | PLANS CK'D. SEW

SUBSURFACE EXPLORATION

SHEET 4

PRE_231

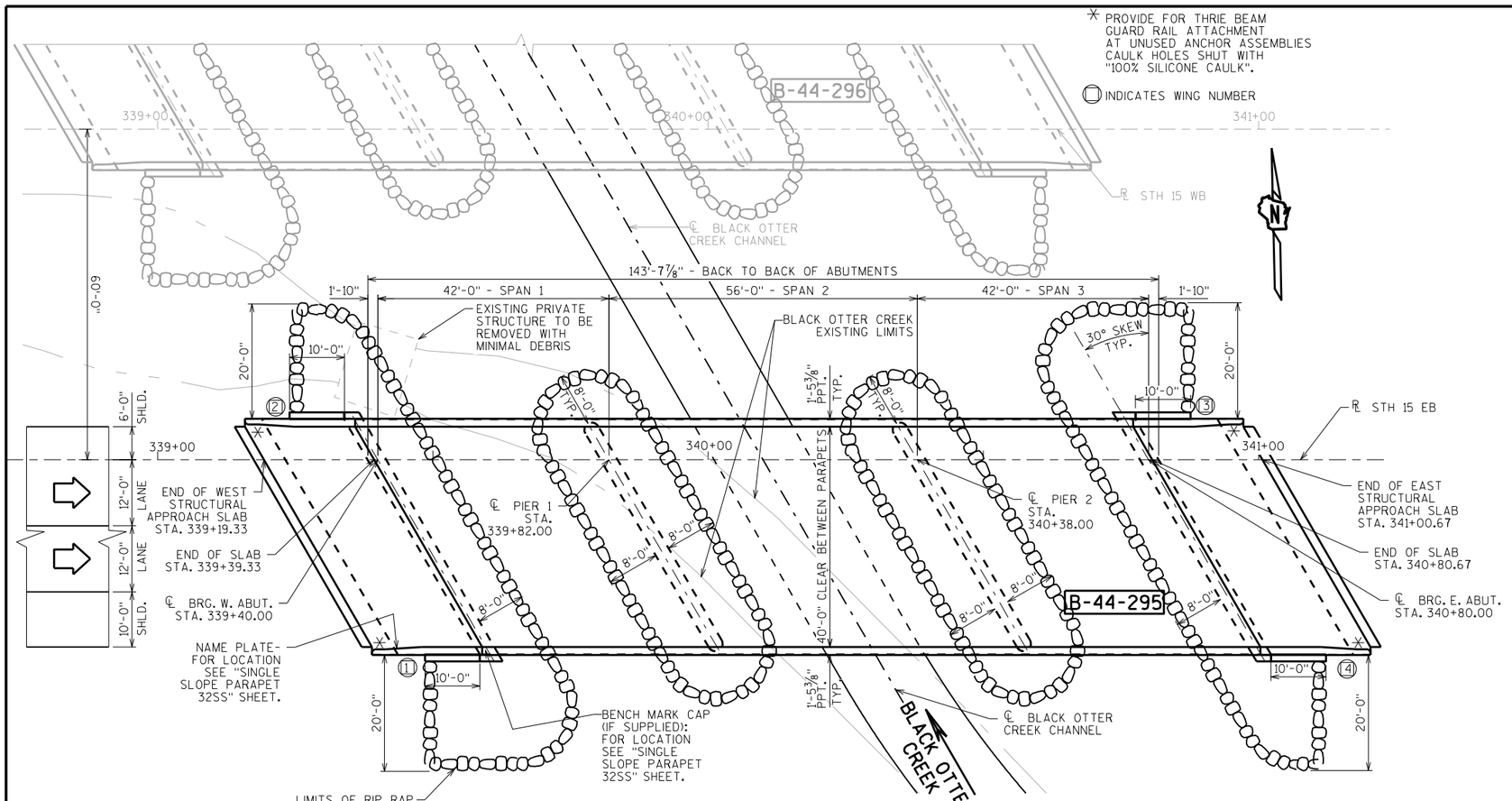
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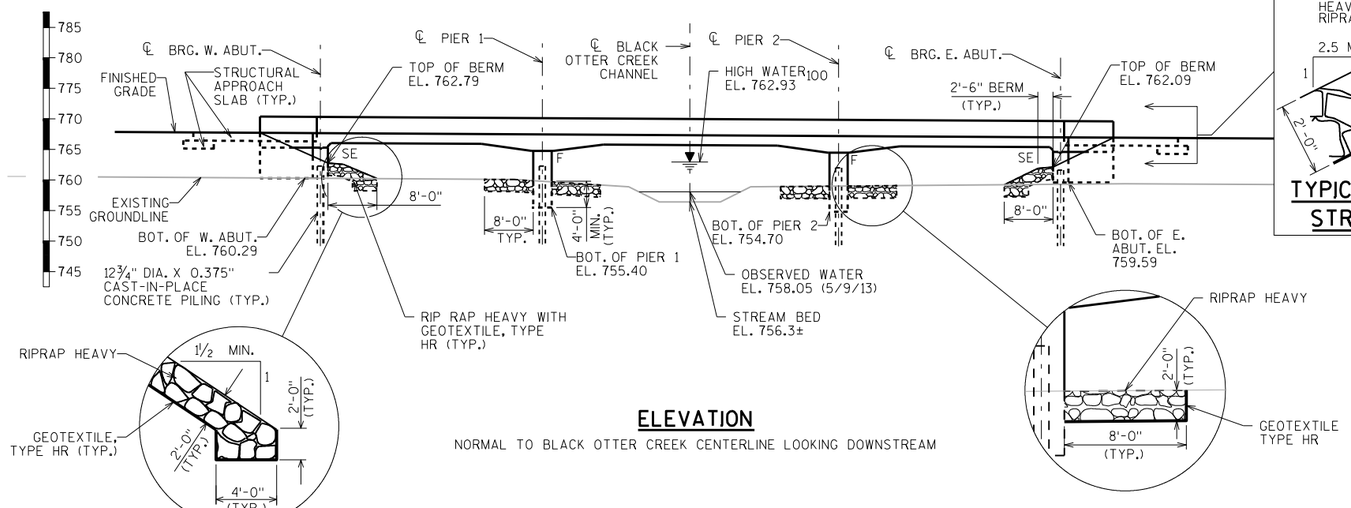
STATE PROJECT NUMBER

1146-75-71



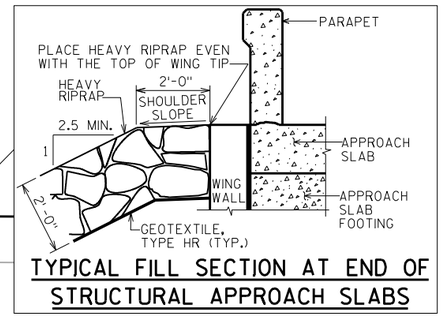
PLAN

3 SPAN - HAUNCHED CONCRETE SLAB



ELEVATION

NORMAL TO BLACK OTTER CREEK CENTERLINE LOOKING DOWNSTREAM



TYPICAL FILL SECTION AT END OF STRUCTURAL APPROACH SLABS

DESIGN DATA

LIVE LOAD:

DESIGN LOADING: HL-93
INVENTORY RATING FACTOR: RF = 1.13
OPERATING RATING FACTOR: RF = 1.47
WISCONSIN STANDARD PERMIT VEHICLE (WIS.-SPV): 250 KIPS

STRUCTURE IS DESIGN FOR A FUTURE WEARING SURFACE OF 20 POUNDS PER SQUARE FOOT.

MATERIAL PROPERTIES:

CONCRETE MASONRY:
- SUPERSTRUCTURE — 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.
- STAINLESS, GRADE 60 — fy = 60,000 P.S.I.

FOUNDATION DATA

ABUTMENTS TO BE SUPPORTED ON 12¾" DIA. X 0.375" CAST-IN-PLACE CONCRETE PILING DRIVEN TO A REQUIRED DRIVING RESISTANCE OF 170 TONS ✱✱ PER PILE AS DETERMINED BY THE MODIFIED GATES DYNAMIC FORMULA. ESTIMATED 145 FEET LONG.

PIERS TO BE SUPPORTED ON 12¾" DIA. X 0.375" CAST-IN-PLACE CONCRETE PILING DRIVEN TO A REQUIRED DRIVING RESISTANCE OF 210 TONS ✱✱ PER PILE AS DETERMINED BY THE MODIFIED GATES DYNAMIC FORMULA. ESTIMATED 145 FEET 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

S.T.H. 15
A.D.T. = 15,000 (2040)
R.D.S. = 60 M.P.H.

HYDRAULIC DATA

100 YEAR FREQUENCY
Q_{100} = 1390 C.F.S.
VEL. = 5.9 F.P.S.
HW_{100} = EL. 762.93
WATERWAY AREA = 235 SQ. FT.
DRAINAGE AREA = 16.5 SQ. MI.
SCOUR CRITICAL CODE = 5
ROADWAY OVERTOPPING = N/A

2 YEAR FREQUENCY
Q_2 = 340 C.F.S.
VEL. = 2.6 F.P.S.
HW_2 = EL. 761.04

LIST OF DRAWINGS

1. GENERAL PLAN
2. CROSS SECTION & QUANTITIES
3. SUBSURFACE EXPLORATION
4. WEST ABUTMENT
5. WEST ABUTMENT DETAILS
6. EAST ABUTMENT
7. EAST ABUTMENT DETAILS
8. PIER 1
9. PIER 2
10. SUPERSTRUCTURE CROSS SECTIONS 1
11. SUPERSTRUCTURE CROSS SECTIONS 2
12. SUPERSTRUCTURE DETAILS
13. SUPERSTRUCTURE PLAN & DATA
14. STRUCTURAL APPROACH SLAB
15. STRUCTURAL APPROACH SLAB DETAILS
16. SINGLE SLOPE PARAPET 32SS
17. SUPERSTRUCTURE & APPROACH SLAB BAR DETAILS

STRUCTURE DESIGN CONTACTS:
MAX KULICK (608) 261-6108
AARON BONK: (608) 261-0261

APPROVED FOR DESIGN OF UTILITY ADJUSTMENTS OCTOBER 2019

NO.	DATE	REVISION	BY

BUREAU OF STRUCTURES

ACCEPTED _____ CHIEF STRUCTURES DESIGN ENGINEER _____ DATE

STRUCTURE B-44-295

STH 15 EB OVER BLACK OTTER CREEK

COUNTY	TOWN
OUTAGAMIE	HORTONIA

DESIGN SPEC. AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS

DESIGNED BY	DESIGNED CK'D.	DRAWN BY	PLANS CK'D.
MJK	JRS	JPH	MJK

SHEET 1 OF 17

GENERAL PLAN

PRE_232

I.D. 1146-75-00K DATE: FEB. 2017

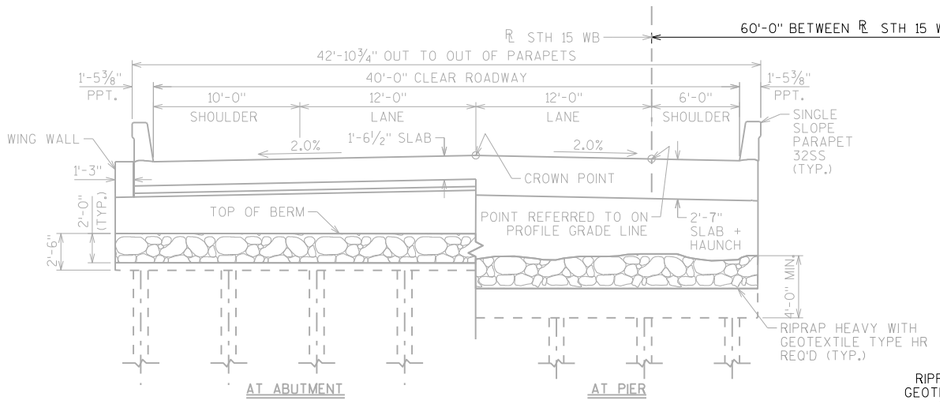
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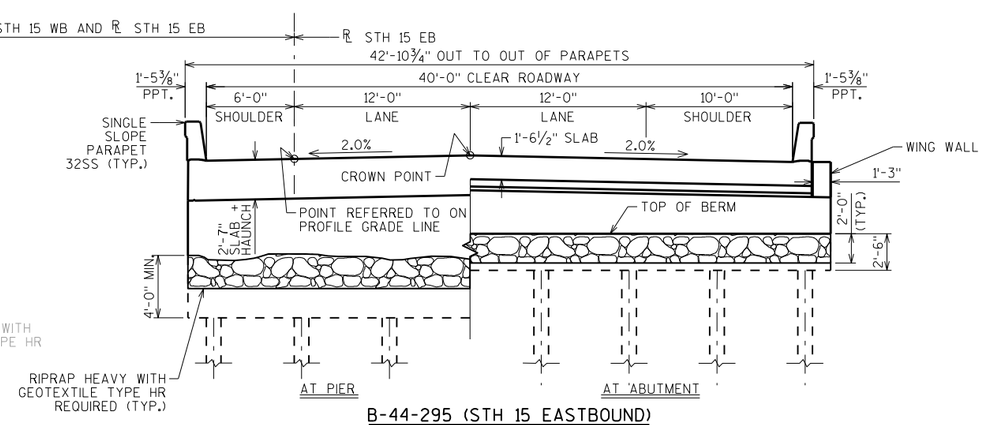
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STATE PROJECT NUMBER

1146-75-71

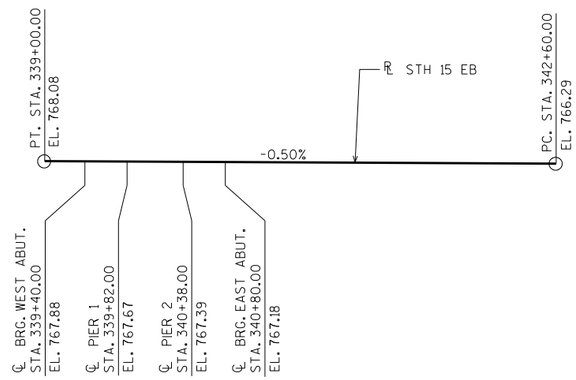


B-44-296 (STH 15 WESTBOUND)

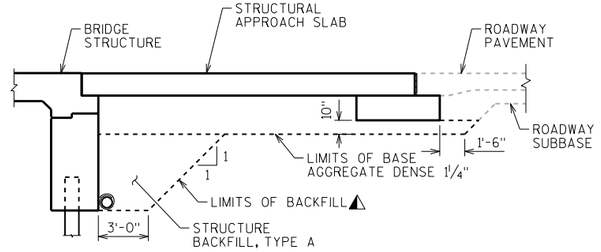


B-44-295 (STH 15 EASTBOUND)

CROSS SECTION THRU ROADWAY LOOKING EAST (UPSTATION)



PROFILE GRADE LINE - STH 15 EB



TYPICAL SECTION THRU ABUTMENT

(A1 ABUTMENT WITH STRUCTURAL APPROACH)

⚠ BACKFILL PAY LIMITS. BACKFILL BEYOND BACKFILL PAY LIMITS SHALL BE INCIDENTAL TO EXCAVATION FOR STRUCTURES. LIMITS OF EXCAVATION SHALL BE DETERMINED BY THE CONTRACTOR.

TOTAL ESTIMATED QUANTITIES

BID ITEM NUMBER	BID ITEMS	UNIT	SUPER.	WEST APPROACH	WEST ABUT.	PIER 1	PIER 2	EAST ABUT.	EAST APPROACH	TOTALS
203.0600.S	REMOVING OLD STRUCTURE OVER WATERWAY WITH MINIMAL DEBRIS STA. 339+40	LS	———	———	———	———	———	———	———	1
206.1000	EXCAVATION FOR STRUCTURES BRIDGES B-44-295	LS	———	———	———	———	———	———	———	1
210.1500	BACKFILL STRUCTURE TYPE A	TON	———	———	75	———	———	75	———	150
305.0120	BASE AGGREGATE DENSE 1 1/4-INCH	TON	———	131	———	———	———	———	131	262
502.0100	CONCRETE MASONRY BRIDGES	CY	423	60	43	42	44	43	60	715
502.3200	PROTECTIVE SURFACE TREATMENT	SY	655	90	———	———	———	———	90	835
502.3210	PIGMENTED SURFACE SEALER	SY	117	17	———	———	———	———	17	151
505.0400	BAR STEEL REINFORCEMENT HS STRUCTURES	LB	———	———	3,020	1,950	2,075	3,020	———	10,065
505.0600	BAR STEEL REINFORCEMENT HS COATED STRUCTURES	LB	92,980	10,520	1,250	———	———	1,250	10,520	116,520
505.0800.S	BAR STEEL REINFORCEMENT HS STAINLESS STRUCTURES	LB	390	———	———	———	———	———	———	390
516.0500	RUBBERIZED MEMBRANE WATERPROOFING	SY	———	———	13	———	———	13	———	26
550.2126	PILING CIP CONCRETE 12 3/4 X 0.375-INCH	LF	———	———	1,160	1,450	1,450	1,160	———	5,220
606.0300	RIPRAP HEAVY	CY	———	———	113	73	73	113	———	372
612.0406	PIPE UNDERDRAIN WRAPPED 6-INCH	LF	———	———	105	———	———	105	———	210
614.0150	ANCHOR ASSEMBLIES FOR STEEL PLATE BEAM GUARD	EACH	———	2	———	———	———	———	2	4
645.0120	GEOTEXTILE TYPE HR	SY	———	———	192	143	143	192	———	670
	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 ALL EXPOSED EDGES OF CONCRETE ¾" UNLESS NOTED OTHERWISE.

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.

THE QUANTITY FOR BACKFILL STRUCTURE IS CALCULATED BASED ON THE DETAIL SHOWN IN THE PLANS.

SLAB FALSEWORK SHALL BE SUPPORTED ON PILES OR THE SUBSTRUCTURE, UNLESS AN ALTERNATE METHOD IS APPROVED BY THE ENGINEER.

PROTECTIVE SURFACE TREATMENT TO BE APPLIED TO THE ENTIRE EXPOSED TOP OF HAUNCHED SLAB & APPROACH SLAB SURFACES AND TO THE VERTICAL AND HORIZONTAL SURFACES OF THE PAVING NOTCHES AT ABUTMENT DIAPHRAGMS.

PIGMENTED SURFACE SEALER TO BE APPLIED TO THE FRONT FACE AND THE TOP OF THE PARAPETS, INCLUDING PARAPETS ON STRUCTURAL APPROACH SLABS.

THE EXISTING STREAM BED 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 TYPE "HR" TO THE EXTENT SHOWN ON SHEET 1 AND THE ABUTMENT DETAILS.

AT ABUTMENTS AND PIER(S), CONCRETE POURED UNDER WATER WILL BE ALLOWED AND SHALL BE DONE IN ACCORDANCE WITH SECTION 502.3.5.3 OF THE STANDARD SPECIFICATIONS.

APPROVED FOR DESIGN OF UTILITY ADJUSTMENTS OCTOBER 2019

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-44-295

DRAWN BY JPH | PLANS CK'D. MJK

CROSS SECTION & QUANTITIES

SHEET 2

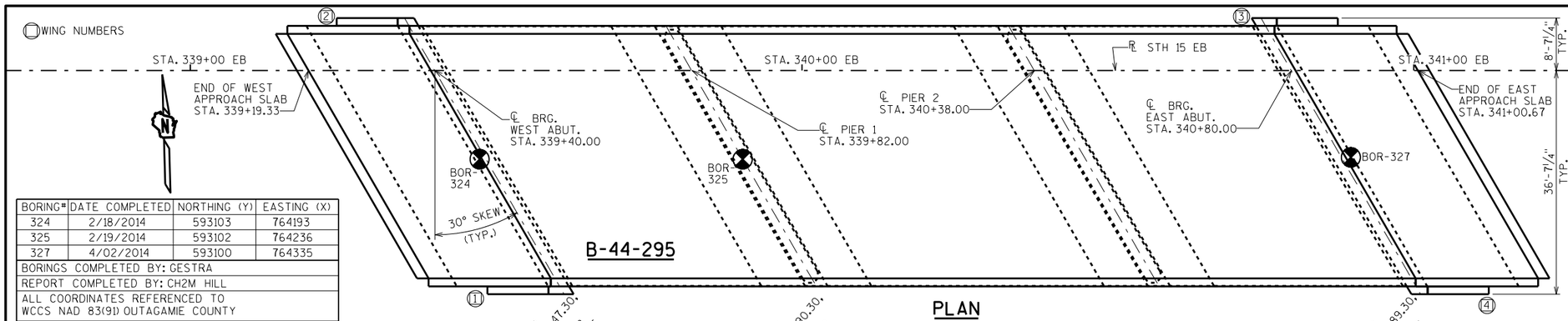
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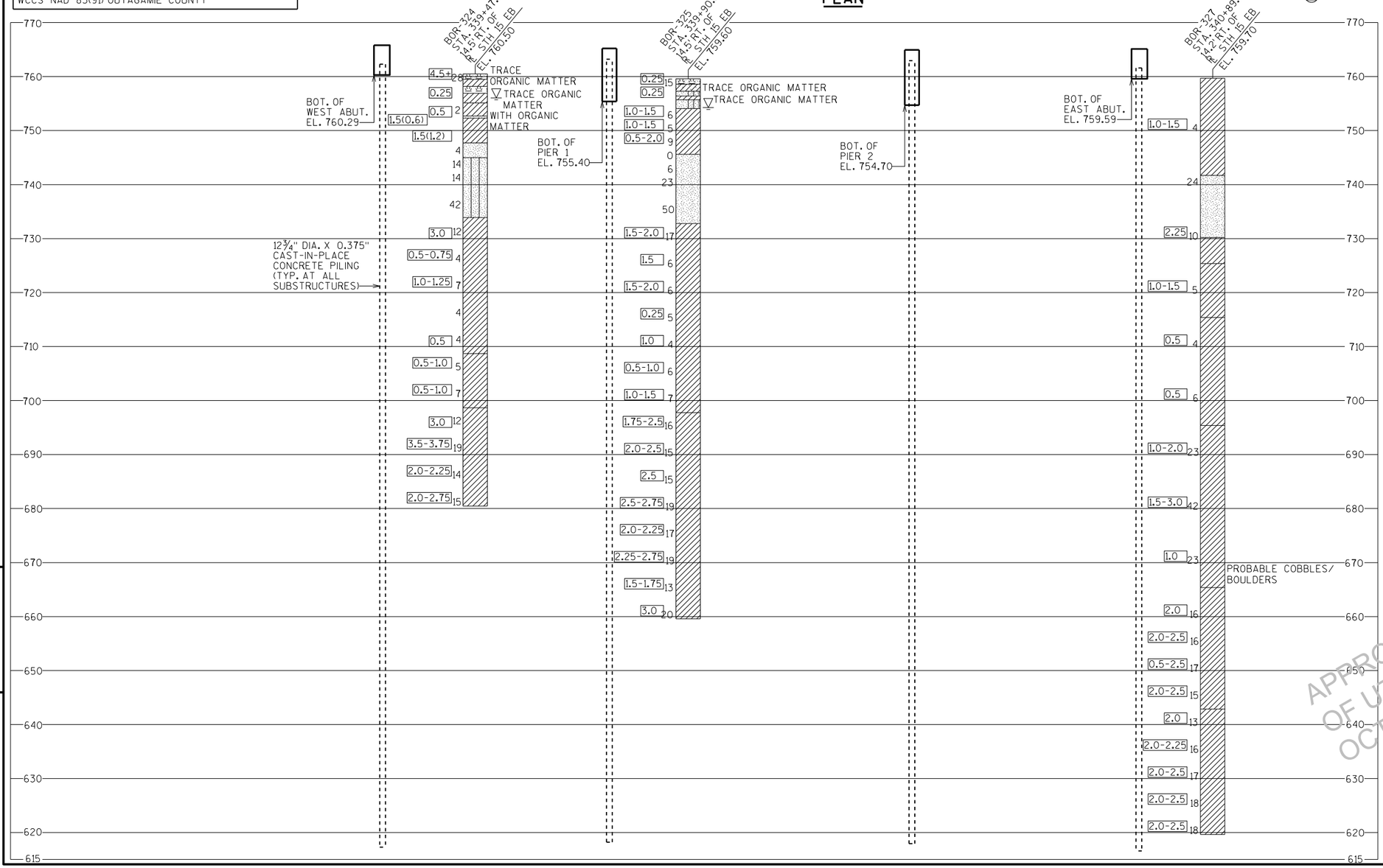
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8

WING NUMBERS



BORING#	DATE COMPLETED	NORTHING (Y)	EASTING (X)
324	2/18/2014	593103	764193
325	2/19/2014	593102	764236
327	4/02/2014	593100	764335
BORINGS COMPLETED BY: GESTRA			
REPORT COMPLETED BY: CH2M HILL			
ALL COORDINATES REFERENCED TO WCCS NAD 83(91) OUTAGAMIE COUNTY			



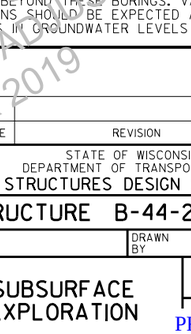
STATE PROJECT NUMBER

1146-75-71

MATERIAL SYMBOLS

ASPHALT	TOPSOIL	PEAT
CONCRETE	FILL	GRAVEL
SAND	CLAY	SILT
BOULDERS OR COBBLES	LIMESTONE	BEDROCK (UNKNOWN)
SHALE	SANDSTONE	IGNEOUS/ META

LEGEND OF BORING



(1) UNCONFINED STRENGTH, AS DETERMINED BY A POCKET PENETROMETER (TSF)

(2) UNLESS OTHERWISE, SPECIFIED THE SPT 'N' VALUE IS BASED ON AASHTO T-206, STANDARD PENETRATION TEST. THE SPT 'N' VALUE PRESENTED HAS NOT BEEN CORRECTED FOR OVERBURDEN PRESSURE OR HAMMER EFFICIENCY.

GROUND WATER ELEVATION

- ▽ AT TIME OF DRILLING
- ▼ END OF DRILLING
- ▽ AFTER DRILLING

ABBREVIATIONS

F-FINE M-MEDIUM C-COARSE ST-SHELBY TUBE

SUBSURFACE EXPLORATION FOR FOUNDATION DESIGN AND BIDDERS INFORMATION

BORINGS WERE COMPLETED AT POINTS APPROXIMATELY AS INDICATED ON THIS DRAWING TO OBTAIN INFORMATION CONCERNING THE CHARACTER OF SUBSURFACE MATERIALS FOUND AT THE SITE. BECAUSE THE INVESTIGATED DEPTHS ARE LIMITED AND THE AREA OF THE BORINGS IS VERY SMALL IN RELATION TO THE ENTIRE SITE, THE WISCONSIN DEPARTMENT OF TRANSPORTATION DOES NOT WARRANT SIMILAR SUBSURFACE CONDITIONS BELOW, BETWEEN, OR BEYOND THESE BORINGS. VARIATIONS IN SOIL CONDITIONS SHOULD BE EXPECTED AND FLUCTUATIONS IN GROUNDWATER LEVELS MAY OCCUR.

APPROVED FOR USE OF UTILITY ACCOMMODATION OCTOBER 2019

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-44-295

DRAWN BY JPH | PLANS CK'D. MJK

SUBSURFACE EXPLORATION

SHEET 3

PRE_234

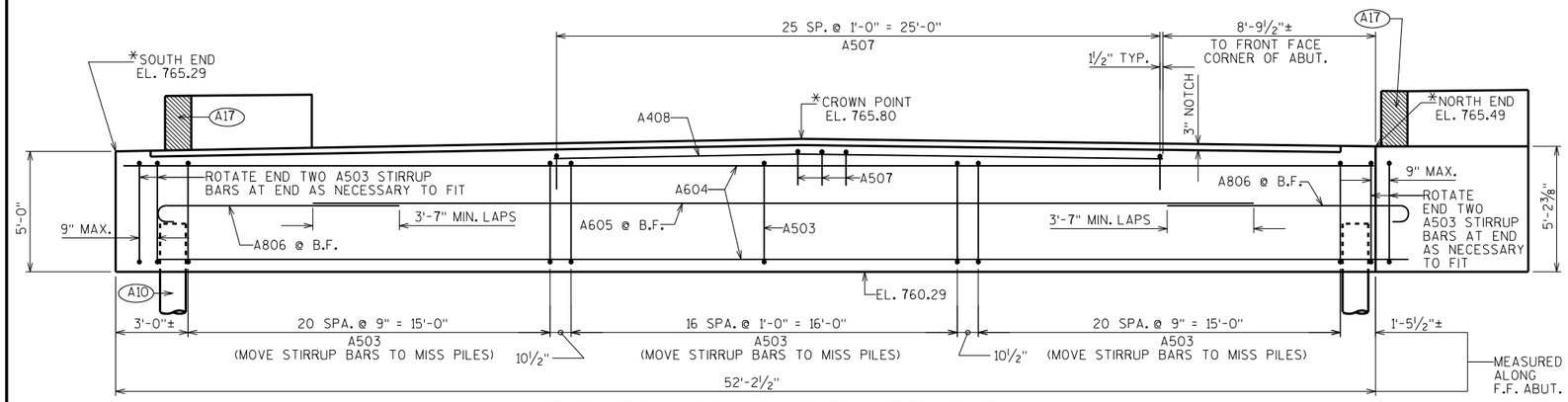
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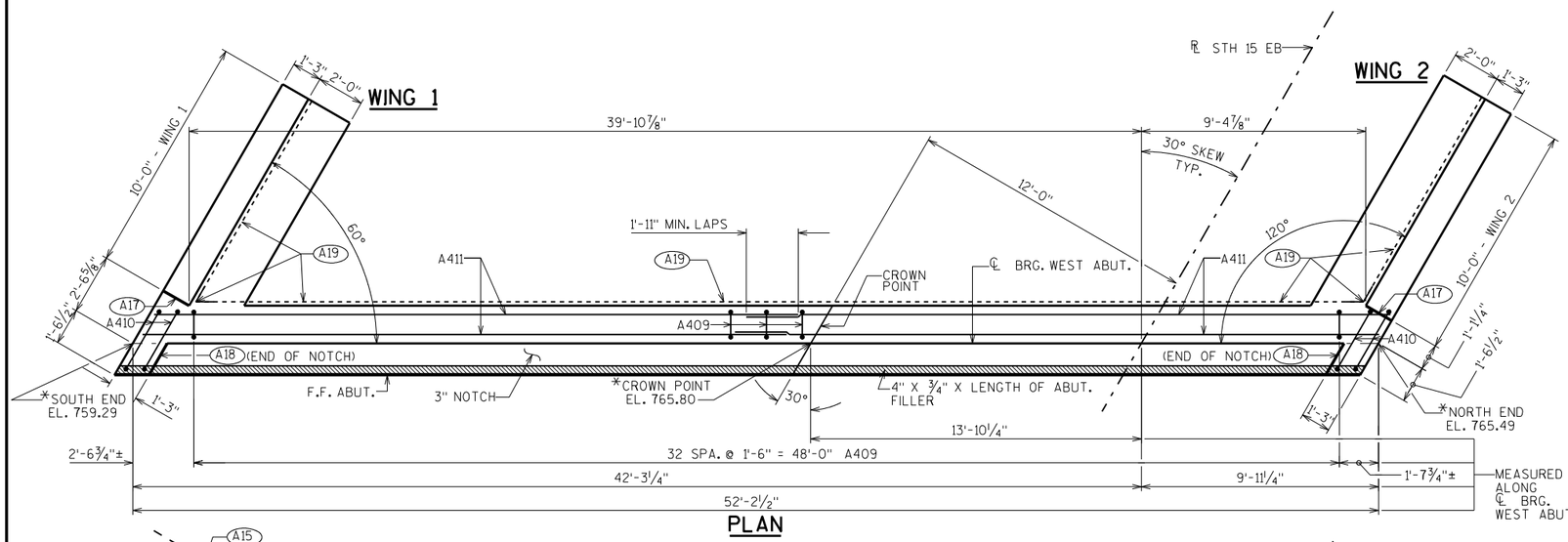
STATE PROJECT NUMBER

1146-75-71

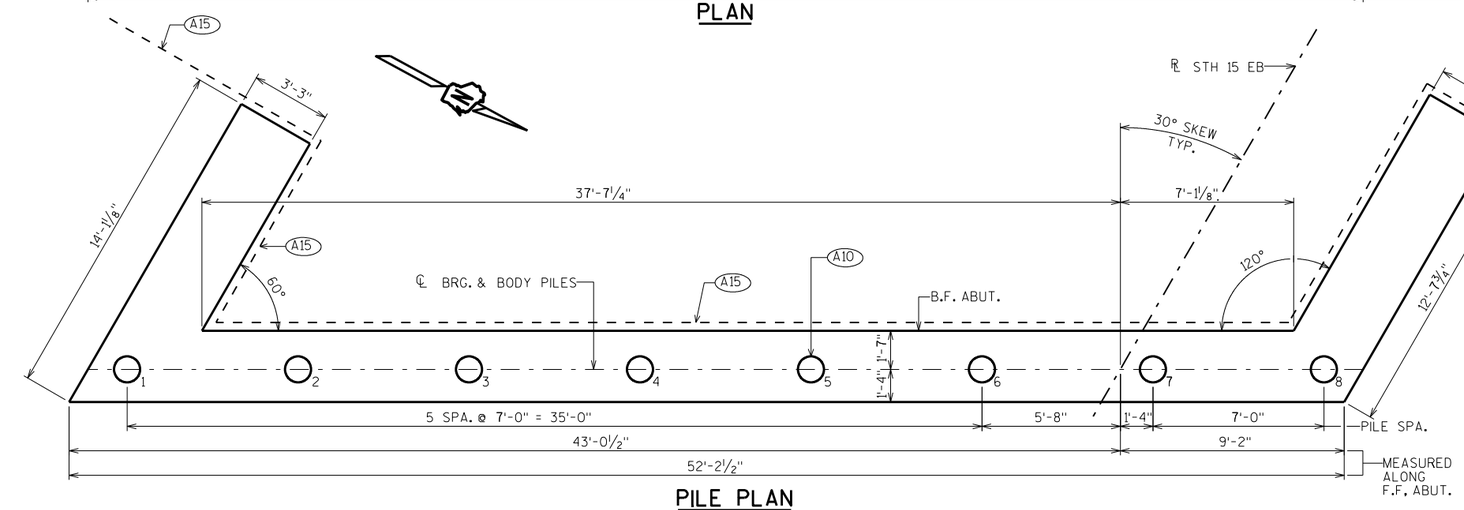


ELEVATION LOOKING WEST @ F.F. ABUT.

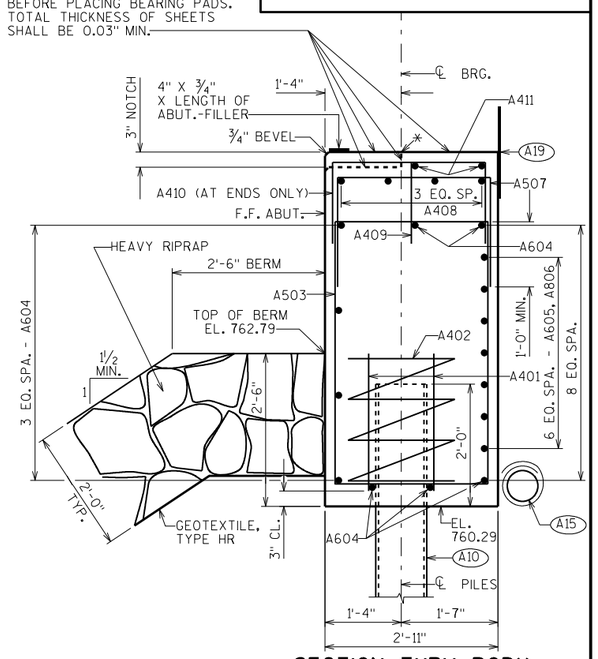
*TOP OF ABUT. ELEVATIONS ARE GIVEN HERE AT ℄ BRG. WEST ABUT.



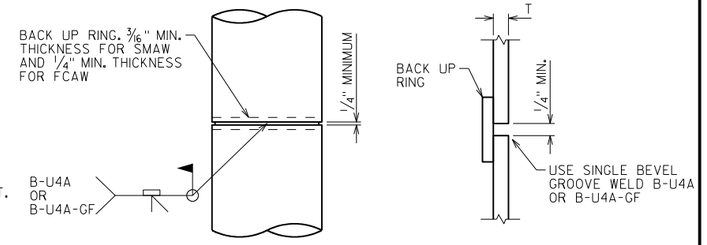
PLAN



PILE PLAN



SECTION THRU BODY



CAST-IN-PLACE 'PIPE PILE'

C.I.P. PILE WELD DETAIL

PILE DETAILS

(A10) SUPPORT ABUTMENT ON 12¾" DIA. X 0.375" C.I.P. CONCRETE PILING, ESTIMATED 145'-0 LONG WITH A REQUIRED DRIVING RESISTANCE OF 170 TONS PER PILE.

(A15) PIPE UNDERDRAIN WRAPPED (6-INCH) SLOPE 0.5% MIN. TO SUITABLE DRAINAGE. RODENT SHIELD REQUIRED.

(A17) ½" FILLER (INCLUDED IN WING LENGTH); SEAL ALL EXPOSED HORIZ. & VERT. SURFACES OF ½" FILLER WITH NON-STAINING, GRAY, NON-BITUMINOUS JOINT SEALER. (1" DEEP AND HOLD ⅛" BELOW SURFACE OF CONCRETE). EXTEND SEALER 3" BELOW GUTTER LINE AT INSIDE FACE.

(A18) ¾" CORK FILLER UP VERT. NOTCH FACES THAT RUN PARALLEL WITH "℄ STH 15 EB".

(A19) 18" (RMW) RUBBERIZED MEMBRANE WATERPROOFING SEAL ALL HORIZ. & VERT. JOINTS AT BACKFACE.

APPROVED FOR DESIGN ONLY
UTILITY ADJUSTMENTS
OCTOBER 2019

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-44-295

DRAWN BY JPH | PLANS CK'D. MJK

SHEET 4

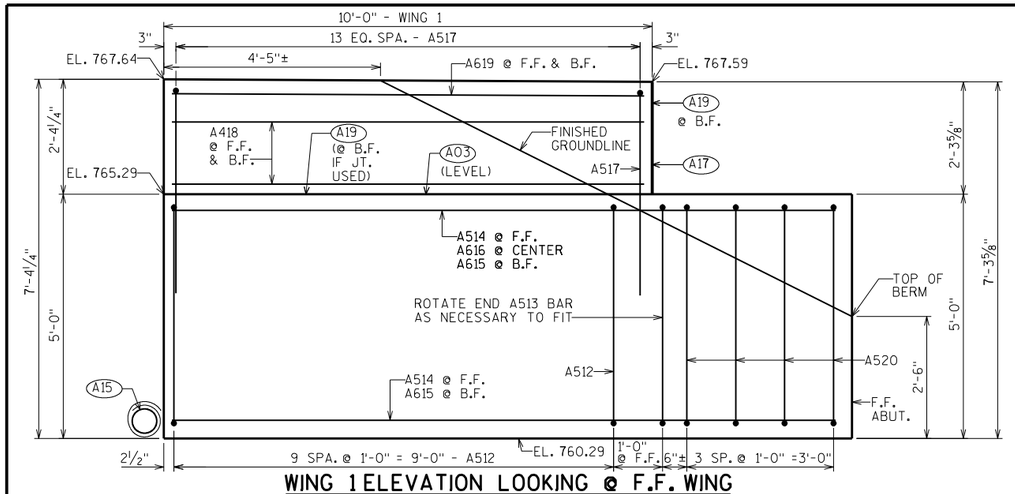
WEST ABUTMENT

PRE_235

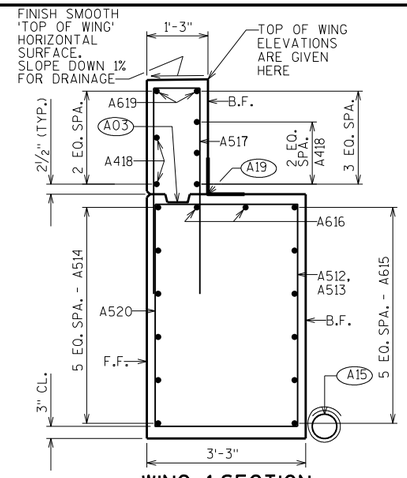
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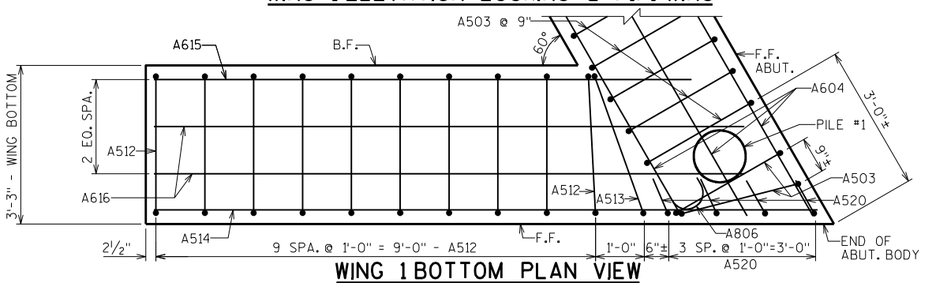
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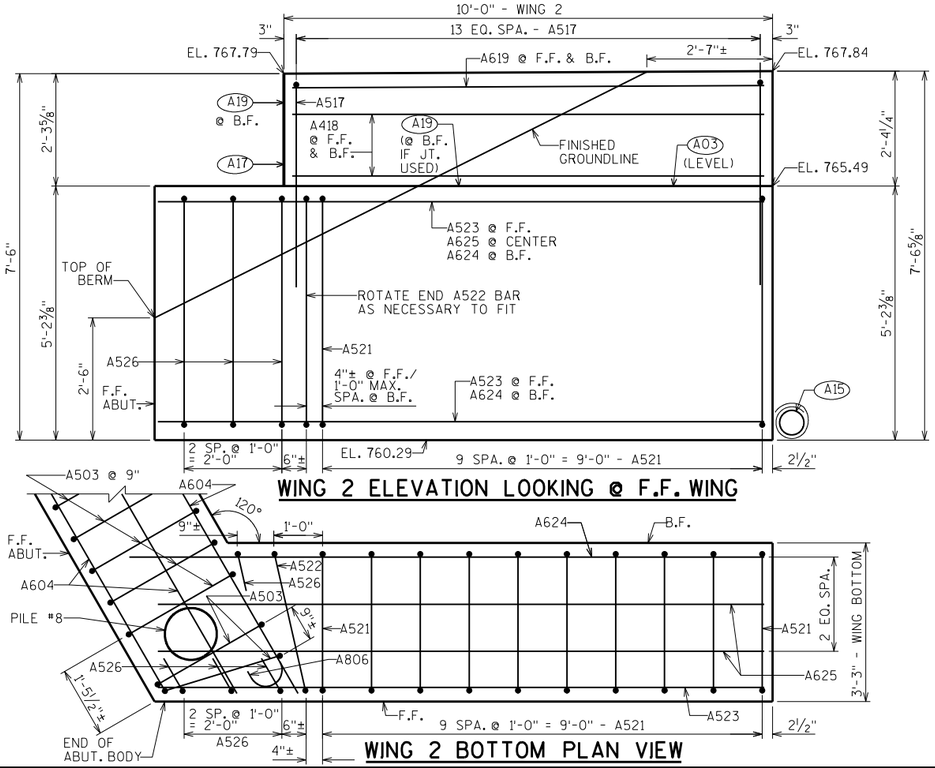
WING 1 ELEVATION LOOKING @ F.F. WING



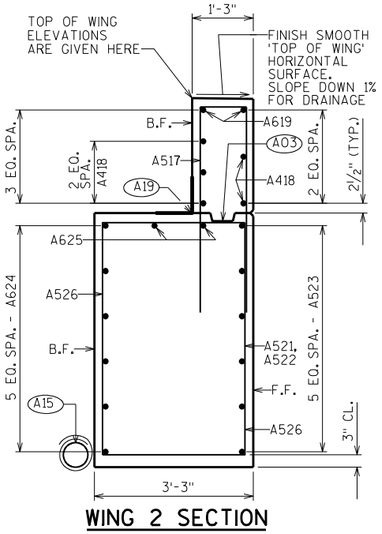
WING 1 SECTION



WING 1 BOTTOM PLAN VIEW

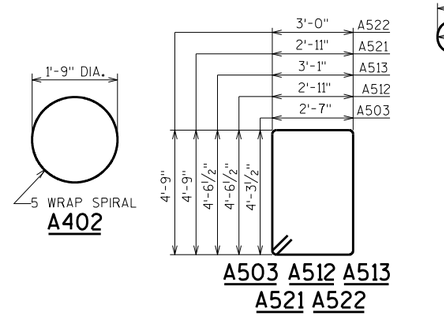


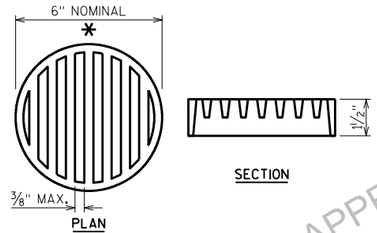
WING 2 ELEVATION LOOKING @ F.F. WING



WING 2 SECTION

WING 2 BOTTOM PLAN VIEW





RODENT SHIELD DETAIL

* DIMENSIONS ARE APPROXIMATE. THE GRATE IS SIZED TO FIT INTO A PIPE COUPLING. ORIENT SO SLOTS ARE VERTICAL.

THE RODENT SHIELD, PIPE COUPLING AND SCREWS SHALL BE CONSIDERED INCIDENTAL TO THE BID ITEM "PIPE UNDERDRAIN WRAPPED 6-INCH".

THE RODENT SHIELD SHALL BE A PVC GRATE SIMILAR TO THIS DETAIL. THE GRATE IS COMMERCIALLY AVAILABLE AS A FLOOR STRAINER. A PIPE COUPLING IS REQUIRED FOR THE ATTACHMENT OF THIS SHIELD TO THE EXPOSED END OF THE PIPE UNDERDRAIN. THE SHIELD SHALL BE FASTENED TO THE PIPE COUPLING WITH TWO OR MORE NO. 10 X 1-INCH STAINLESS STEEL SHEET METAL SCREWS.

STATE PROJECT NUMBER

1146-75-71

BILL OF BARS

NOTE: THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE.

BAR MARK	COAT	NO. REQ'D.	LENGTH	BENT	LOCATION
A401		16	2'-3"		BODY-BOT.-2 PER BODY PILE-VERT.
A402		8	28'-0"	X	BODY-BOT.-SPIRAL-1 PER BODY PILE-VERT.
A503		63	14'-5"	X	BODY-STIRRUPS-VERT.
A604		9	51'-9"		BODY-HORIZONTAL-END TO END
A605		7	39'-0"		BODY-HORIZONTAL-B.F.-AT CENTER
A806		14	10'-11"	X	BODY-HORIZONTAL-B.F.-AT BOTH ENDS
A507		26	5'-4"	X	BODY-TOP-VERT.-UNDER NOTCH
A408		4	25'-3"		BODY-TOP-HORIZ.-UNDER NOTCH
A409		33	3'-9"	X	BODY-TOP-VERT.-ALONG NOTCH
A410		4	5'-6"	X	BODY-TOP-VERT.-AT ENDS ONLY
A411		4	27'-0"		BODY-TOP-HORIZ.-END TO END
A512	X	10	15'-7"	X	WING 1-BOT.-STIRRUP-VERT.
A513	X	1	15'-11"	X	WING 1-BOT.-STIRRUP-VERT.
A514	X	6	13'-7"		WING 1-BOT.-HORIZONTAL-F.F.
A615	X	6	11'-0"		WING 1-BOT.-HORIZONTAL-B.F.
A616	X	2	12'-1"		WING 1-BOT.-HORIZONTAL-CENTER
A517	X	28	9'-1"	X	WINGS 1&2-TOP-VERTICAL
A418	X	10	9'-8"		WINGS 1&2-TOP-HORIZONTAL-B.F. & F.F.
A619	X	4	9'-8"		WINGS 1&2-TOP-HORIZONTAL-B.F. & F.F.
A520	X	4	6'-0"	X	WING 1/BODY END-BOT.-VERT.-F.F.
A521	X	10	16'-0"	X	WING 2-BOT.-STIRRUP-VERT.
A522	X	1	16'-2"	X	WING 2-BOT.-STIRRUP-VERT.
A523	X	6	12'-5"		WING 2-BOT.-HORIZONTAL-F.F.
A624	X	6	13'-0"		WING 2-BOT.-HORIZONTAL-B.F.
A625	X	2	12'-5"		WING 2-BOT.-HORIZONTAL-CENTER
A526	X	4	6'-2"	X	WING 2/BODY END-BOT.-VERT.-F.F. & B.F.

(A03) OPTIONAL CONST. JOINT: KEYWAY FORMED BY BEVELED 2" x 6". (18" RMW @ B.F. & ¾" "V" GROOVE @ F.F. IF JOINT IS USED).

(A15) PIPE UNDERDRAIN WRAPPED 6-INCH. SLOPE 0.5% MIN. TO SUITABLE DRAINAGE. RODENT SHIELD REQUIRED.

(A17) ½" FILLER (INCLUDED IN WING LENGTH): SEAL ALL EXPOSED HORIZ. & VERT. SURFACES OF ½" FILLER WITH NON-STAINING, GRAY, NON-BITUMINOUS JOINT SEALER. (1" DEEP AND HOLD ⅛" BELOW SURFACE OF CONCRETE). EXTEND SEALER 3" BELOW GUTTER LINE AT INSIDE FACE.

(A19) 18" (RMW) RUBBERIZED MEMBRANE WATERPROOFING SEAL ALL HORIZ. & VERT. JOINTS AT BACKFACE.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-44-295

DRAWN BY JPH | PLANS CK'D. MJK

WEST ABUTMENT DETAILS

SHEET 5

PRE_236

APPROVED FOR DESIGN OF UTILITY AD DOCUMENTS OCTOBER 2019

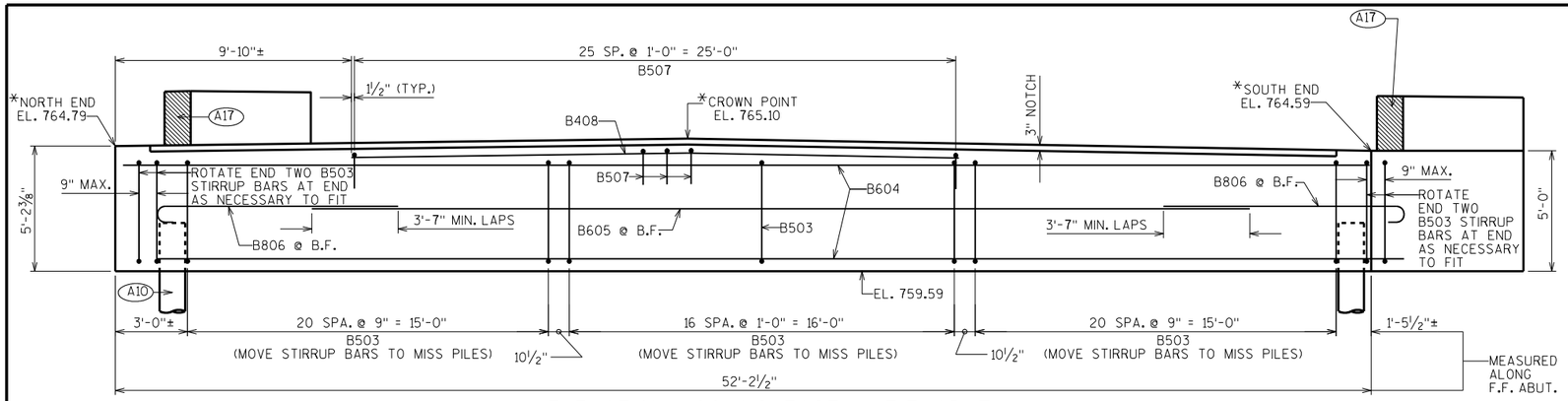
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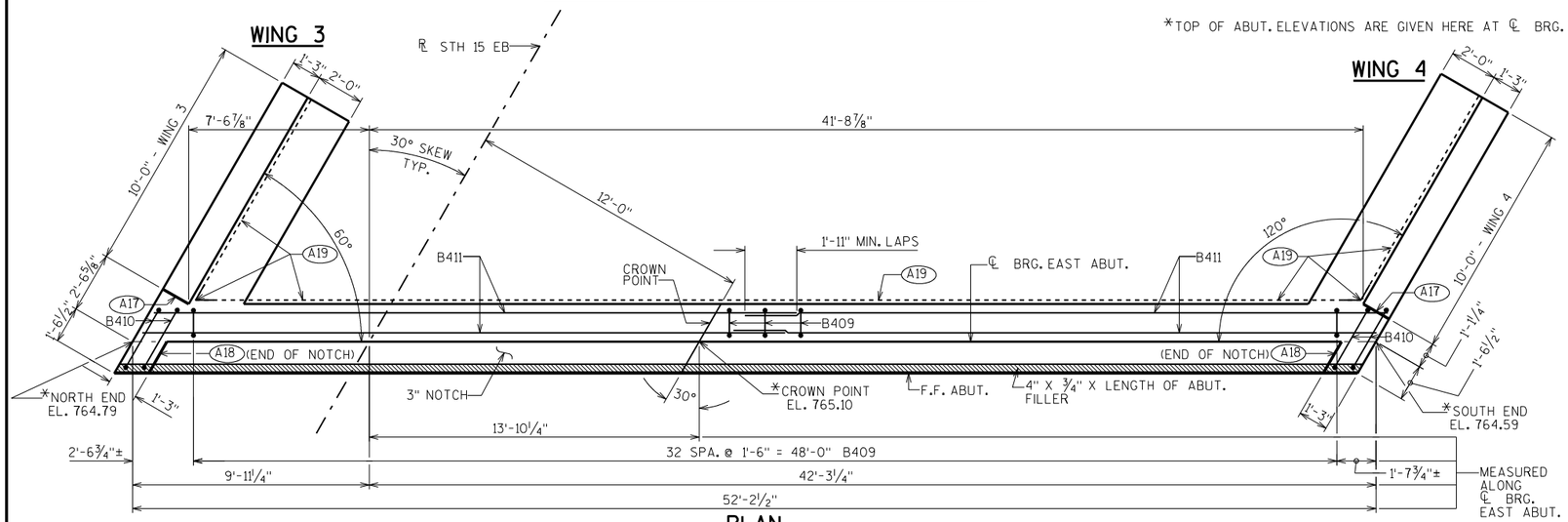
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STATE PROJECT NUMBER

1146-75-71

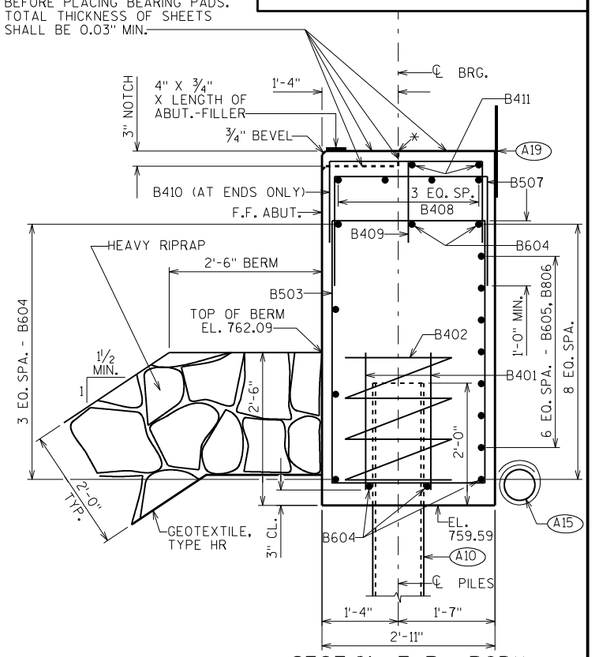


ELEVATION LOOKING EAST @ F.F. ABUT.

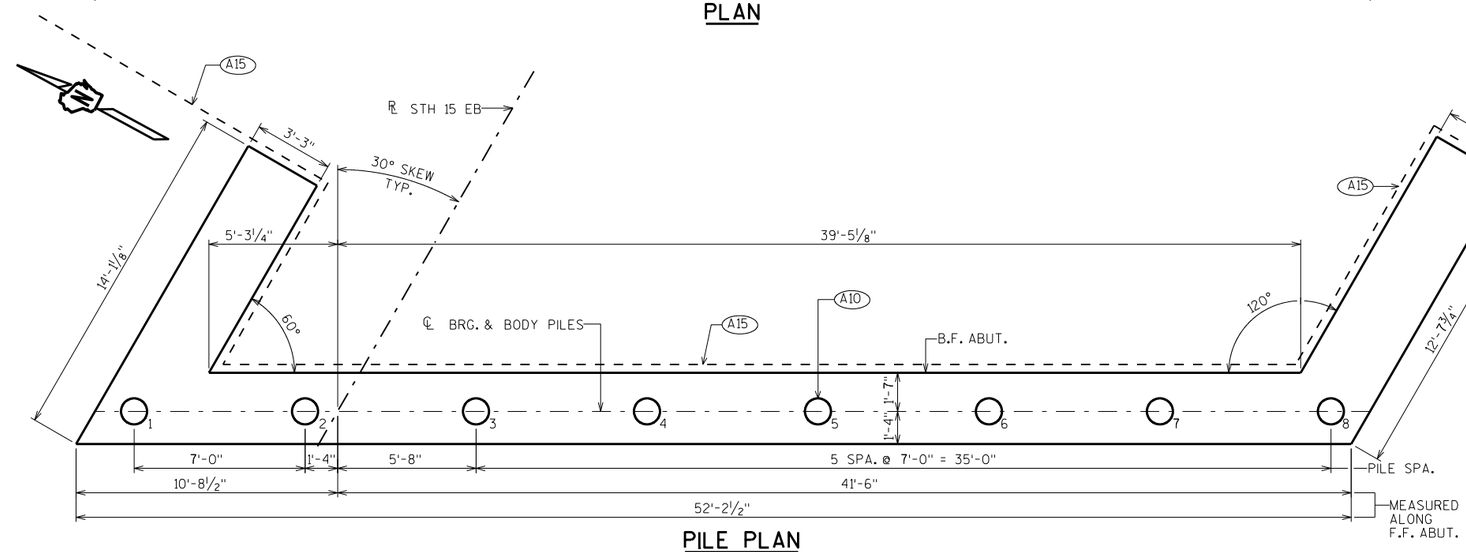


PLAN

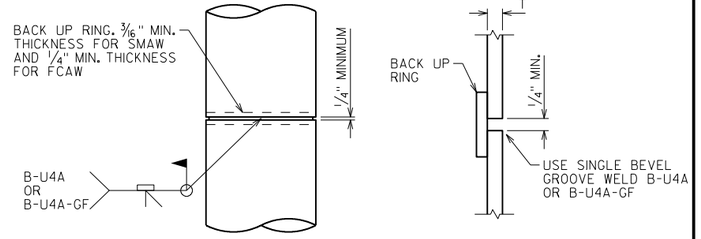
*TOP OF ABUT. ELEVATIONS ARE GIVEN HERE AT ℄ BRG. EAST ABUT.



SECTION THRU BODY



PILE PLAN



CAST-IN-PLACE 'PIPE PILE'

C.I.P. PILE WELD DETAIL

PILE DETAILS

A10 SUPPORT ABUTMENT ON 12¾" DIA. X 0.375" C.I.P. CONCRETE PILING, ESTIMATED 145'-0" LONG WITH A REQUIRED DRIVING RESISTANCE OF 170 TONS PER PILE.

A15 PIPE UNDERDRAIN WRAPPED (6-INCH) SLOPE 0.5% MIN. TO SUITABLE DRAINAGE. RODENT SHIELD REQUIRED.

A17 ½" FILLER (INCLUDED IN WING LENGTH) SEAL ALL EXPOSED HORIZ. & VERT. SURFACES OF ½" FILLER WITH NON-STAINING, GRAY, NON-BITUMINOUS JOINT SEALER. (1" DEEP AND HOLD ⅛" BELOW SURFACE OF CONCRETE). EXTEND SEALER 3" BELOW GUTTER LINE AT INSIDE FACE.

A18 ¾" CORK FILLER UP VERT. NOTCH FACES THAT RUN PARALLEL WITH "℄ STH 15 EB".

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APPROVED FOR DESIGN
ONLY
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STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-44-295

DRAWN BY JPH | PLANS CK'D. MJK

SHEET 6

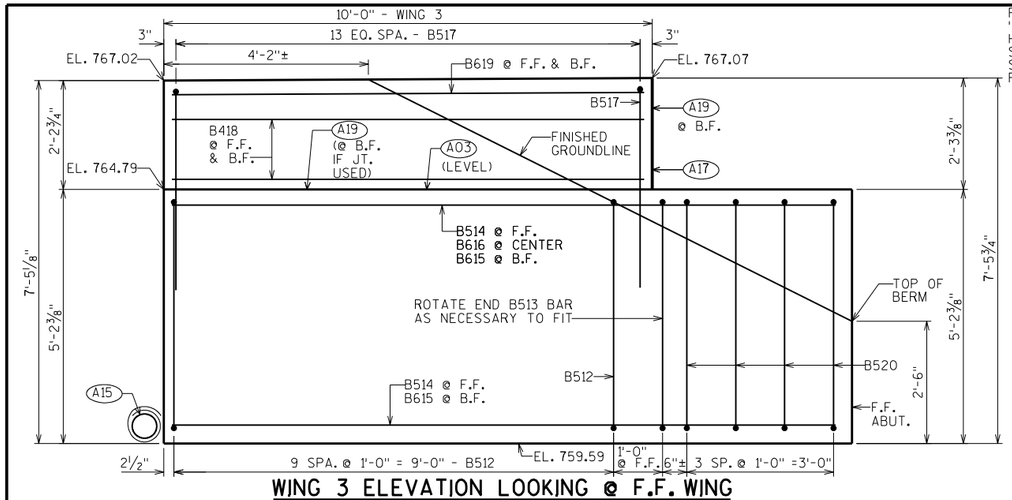
EAST ABUTMENT

PRE_237

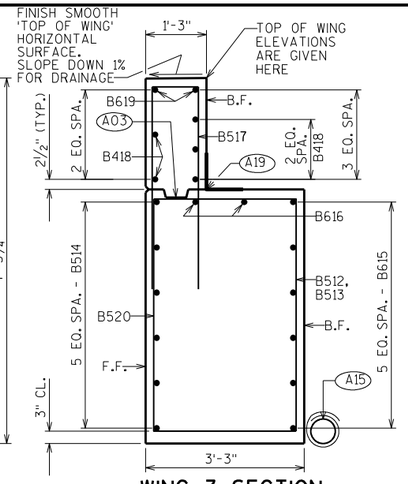
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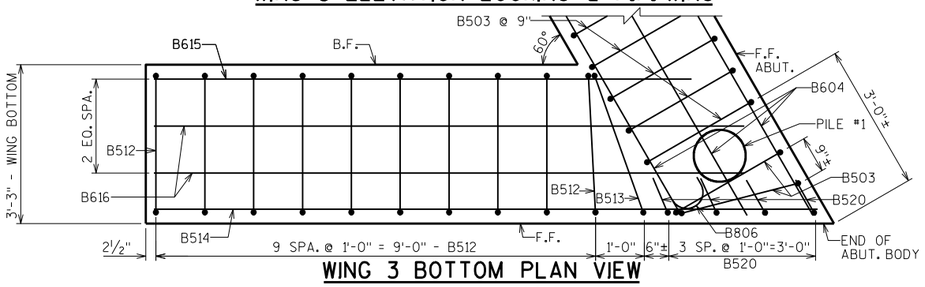
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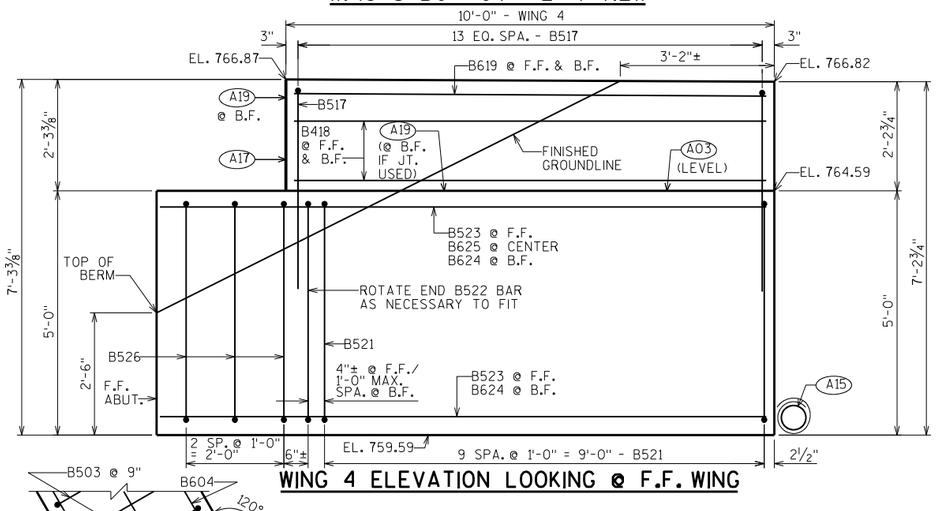
WING 3 ELEVATION LOOKING @ F.F. WING



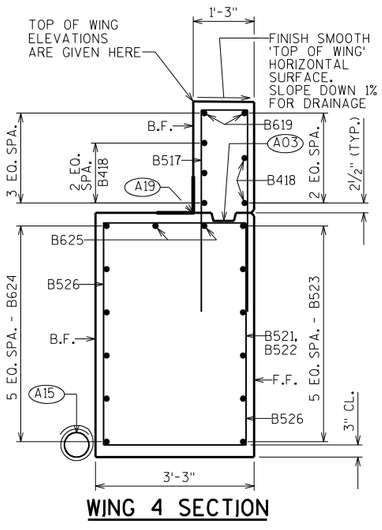
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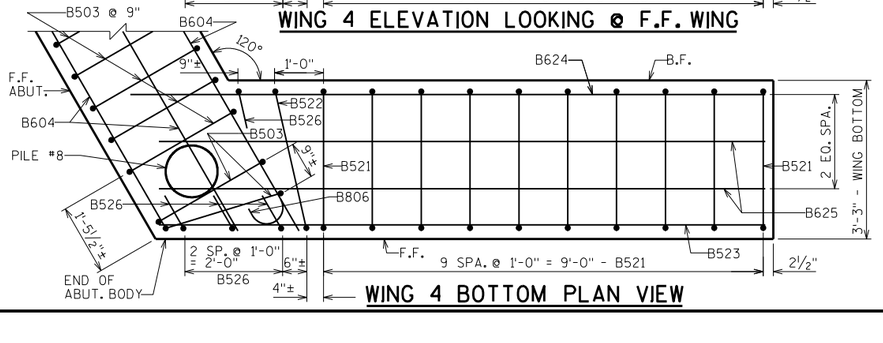
WING 3 BOTTOM PLAN VIEW



WING 4 ELEVATION LOOKING @ F.F. WING



WING 4 SECTION



WING 4 BOTTOM PLAN VIEW

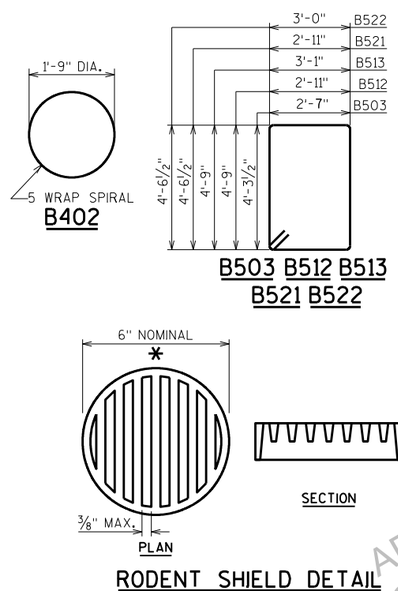
STATE PROJECT NUMBER

1146-75-71

BILL OF BARS

NOTE: THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE.

BAR MARK	COAT	NO. REQ'D.	LENGTH	BENT	LOCATION
B401		16	2'-3"		BODY-BOT.-2 PER BODY PILE-VERT.
B402		8	28'-0"	X	BODY-BOT.-SPIRAL-1 PER BODY PILE-VERT.
B503		63	14'-5"	X	BODY-STIRRUPS-VERT.
B604		9	51'-9"		BODY-HORIZONTAL-END TO END
B605		7	39'-0"		BODY-HORIZONTAL-B.F.-AT CENTER
B806		14	10'-11"	X	BODY-HORIZONTAL-B.F.-AT BOTH ENDS
B507		26	5'-4"	X	BODY-TOP-VERT.-UNDER NOTCH
B408		4	25'-3"		BODY-TOP-HORIZ.-UNDER NOTCH
B409		33	3'-9"	X	BODY-TOP-VERT.-ALONG NOTCH
B410		4	5'-6"	X	BODY-TOP-VERT.-AT ENDS ONLY
B411		4	27'-0"		BODY-TOP-HORIZ.-END TO END
B512	X	10	16'-0"	X	WING 3-BOT.-STIRRUP-VERT.
B513	X	1	16'-4"	X	WING 3-BOT.-STIRRUP-VERT.
B514	X	6	13'-7"		WING 3-BOT.-HORIZONTAL-F.F.
B615	X	6	11'-0"		WING 3-BOT.-HORIZONTAL-B.F.
B616	X	2	12'-1"		WING 3-BOT.-HORIZONTAL-CENTER
B517	X	28	8'-11"	X	WINGS 3&4-TOP-VERTICAL
B418	X	10	9'-8"		WINGS 3&4-TOP-HORIZONTAL-B.F. & F.F.
B619	X	4	9'-8"		WINGS 3&4-TOP-HORIZONTAL-B.F. & F.F.
B520	X	4	6'-2"	X	WING 3/BODY END-BOT.-VERT.-F.F.
B521	X	10	15'-7"	X	WING 4-BOT.-STIRRUP-VERT.
B522	X	1	15'-9"	X	WING 4-BOT.-STIRRUP-VERT.
B523	X	6	12'-5"		WING 4-BOT.-HORIZONTAL-F.F.
B624	X	6	13'-0"		WING 4-BOT.-HORIZONTAL-B.F.
B625	X	2	12'-5"		WING 4-BOT.-HORIZONTAL-CENTER
B526	X	4	6'-0"	X	WING 4/BODY END-BOT.-VERT.-F.F. & B.F.



RODENT SHIELD DETAIL

* DIMENSIONS ARE APPROXIMATE. THE GRATE IS SIZED TO FIT INTO A PIPE COUPLING. ORIENT SO SLOTS ARE VERTICAL.

THE RODENT SHIELD, PIPE COUPLING AND SCREWS SHALL BE CONSIDERED INCIDENTAL TO THE BID ITEM "PIPE UNDERDRAIN WRAPPED 6-INCH".

THE RODENT SHIELD SHALL BE A PVC GRATE SIMILAR TO THIS DETAIL. THE GRATE IS COMMERCIALLY AVAILABLE AS A FLOOR STRAINER. A PIPE COUPLING IS REQUIRED FOR THE ATTACHMENT OF THIS SHIELD TO THE EXPOSED END OF THE PIPE UNDERDRAIN. THE SHIELD SHALL BE FASTENED TO THE PIPE COUPLING WITH TWO OR MORE NO. 10 X 1-INCH STAINLESS STEEL SHEET METAL SCREWS.

(A03) OPTIONAL CONST. JOINT: KEYWAY FORMED BY BEVELED 2" x 6". (18" RMW @ B.F. & ¾" "V" GROOVE @ F.F. IF JOINT IS USED).

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APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS
OCTOBER 2019

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-44-295

DRAWN BY JPH | PLANS CK'D. MJK

EAST ABUTMENT DETAILS

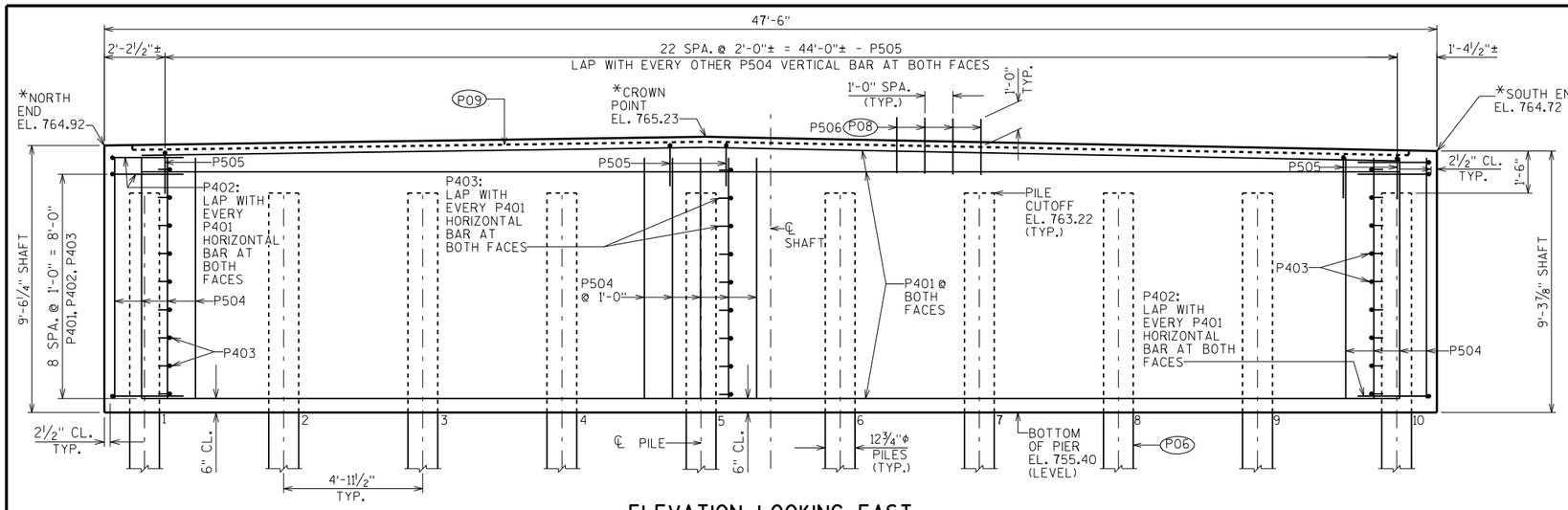
SHEET 7

PRE_238

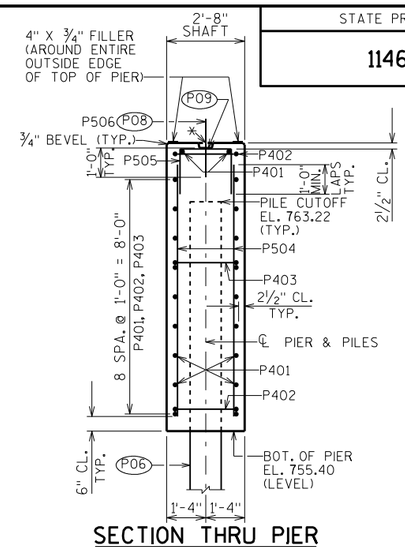
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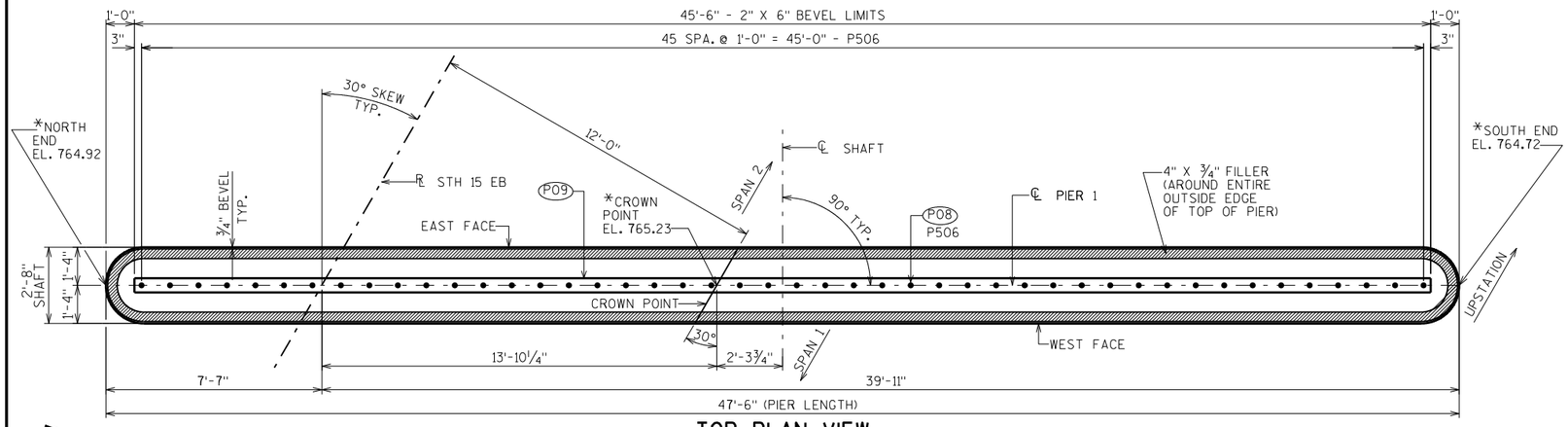


ELEVATION LOOKING EAST

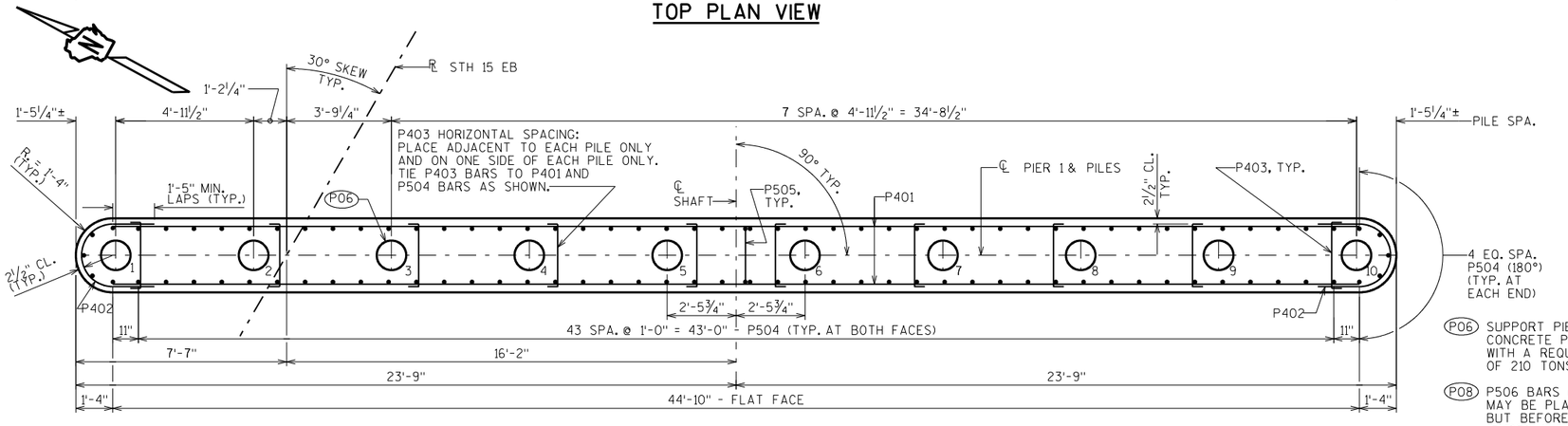


SECTION THRU PIER

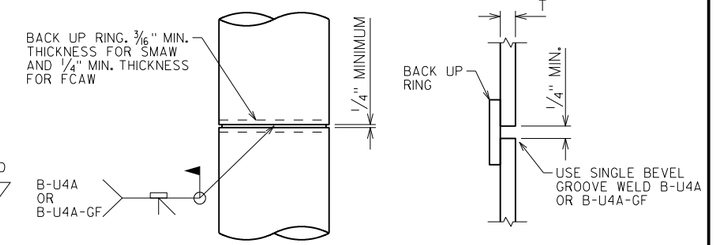
*TOP OF PIER SHAFT ELEVATIONS ARE GIVEN HERE AT THE ℄ PIER 1



TOP PLAN VIEW



PILE & REINFORCEMENT PLAN



CAST-IN-PLACE 'PIPE PILE'

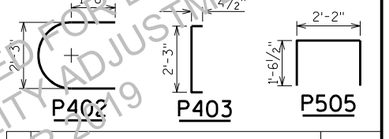
C.I.P. PILE WELD DETAIL

PILE DETAILS

BILL OF BARS

NOTE: THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE

BAR MARK	COAT	NO. REQ'D.	LENGTH	BENT	LOCATION
P401		20	44'-10"		SHAFT-HORIZ.-AT BOTH FACES
P402		20	6'-6"	X	SHAFT-HORIZ.-AT BOTH ENDS
P403		90	2'-10"	X	SHAFT-HORIZ.-AT EACH PILE
P504		98	8'-7"		SHAFT-VERT.-AT BOTH FACES
P505		23	5'-0"	X	SHAFT-VERT.-TOP
P506		46	2'-0"		SHAFT-VERT.-TOP-CENTER



(P06) SUPPORT PIER ON 12¾" DIA. X 0.375" C.I.P. CONCRETE PILING, ESTIMATED 145'-0" LONG WITH A REQUIRED DRIVING RESISTANCE OF 210 TONS PER PILE.

(P08) P506 BARS @ 1'-0" SPA. AT TOP OF PIER CAP. MAY BE PLACED AFTER CONCRETE IS POURED BUT BEFORE INITIAL SET HAS TAKEN PLACE. (EMBED 1'-0" INTO CONC.)

(P09) KEYED CONSTRUCTION JOINT-FORMED BY BEVELED 2" × 6" AT TOP OF PIER CAP.

APPROVED FOR DESIGN OF UTILITY ADJUSTMENTS OCTOBER 2019

NO.	DATE	REVISION	BY

STATE PROJECT NUMBER

1146-75-71

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-44-295

DRAWN BY JPH | PLANS CK'D. MJK

SHEET 8

PIER 1

PRE_239

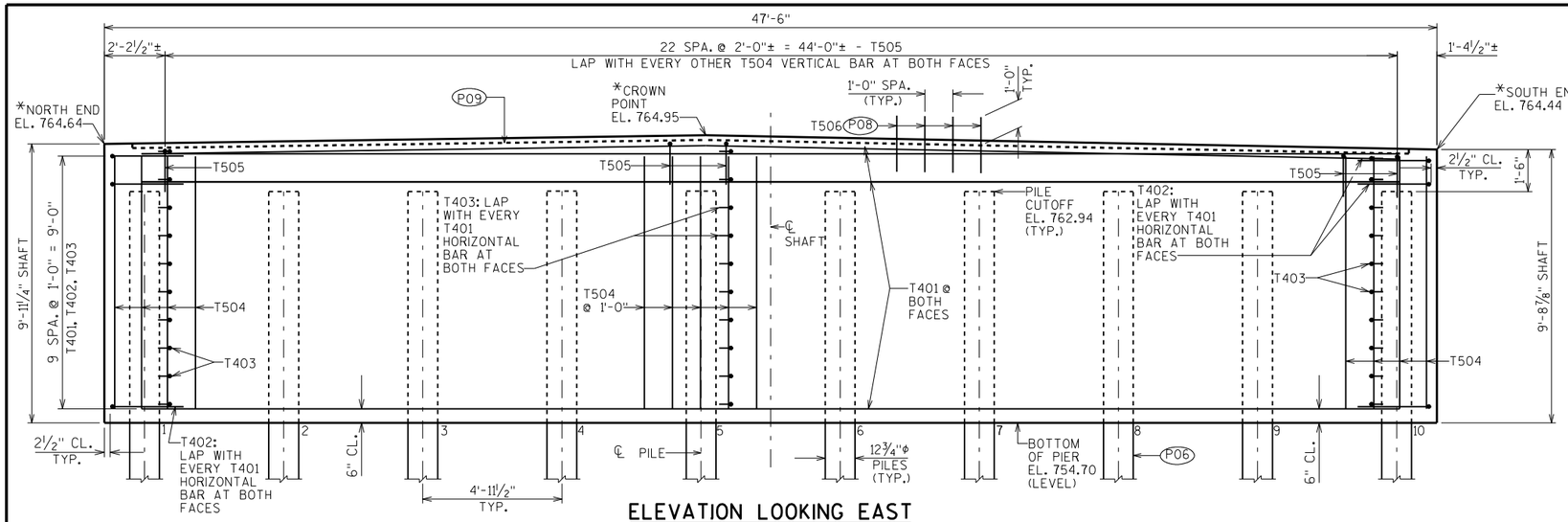
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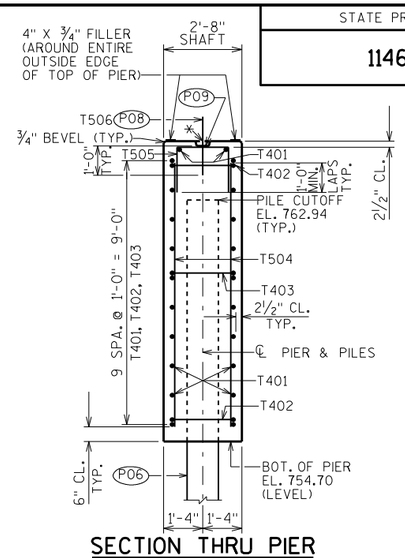
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STATE PROJECT NUMBER

1146-75-71

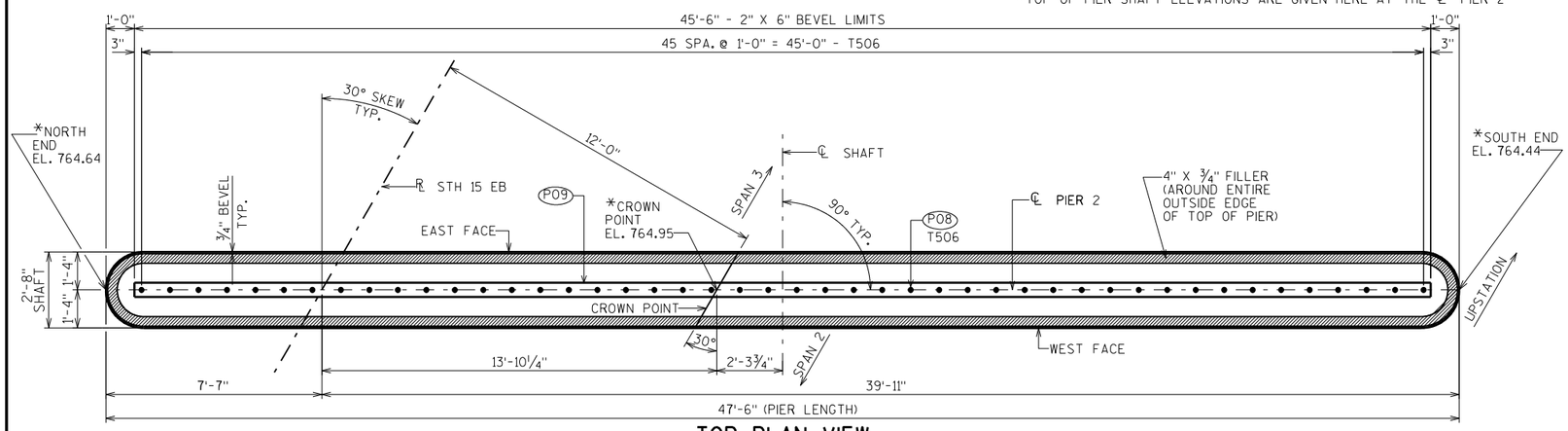


ELEVATION LOOKING EAST

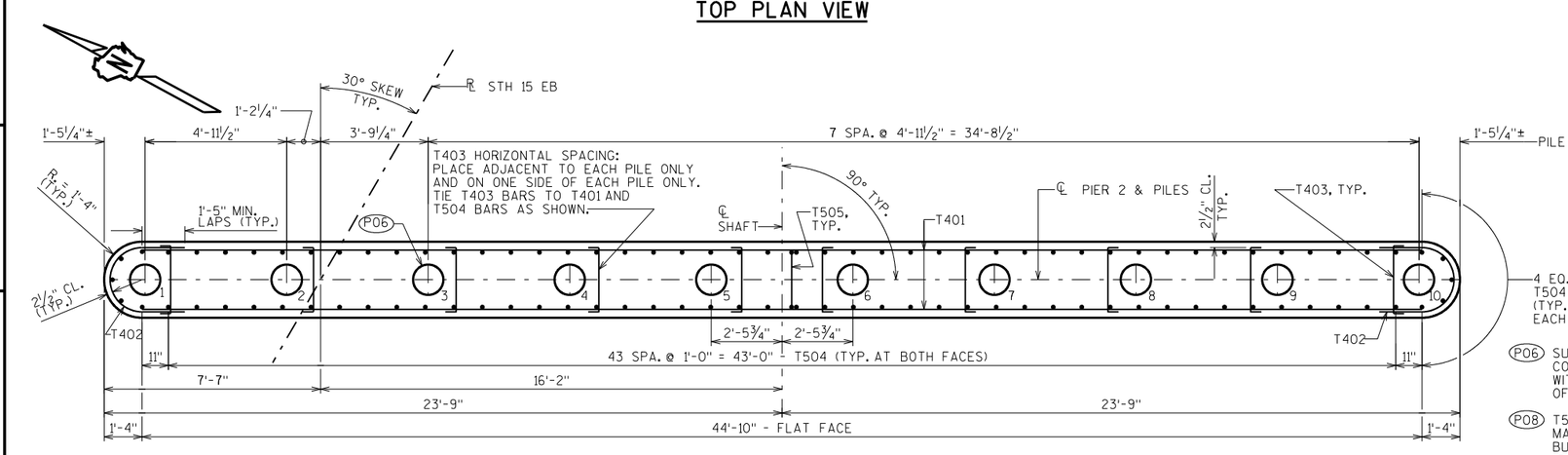


SECTION THRU PIER

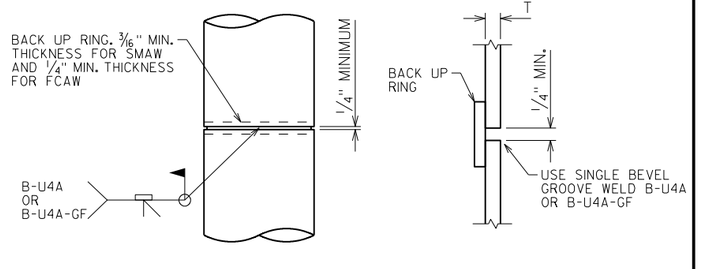
*TOP OF PIER SHAFT ELEVATIONS ARE GIVEN HERE AT THE ℄ PIER 2



TOP PLAN VIEW



PILE & REINFORCEMENT PLAN



CAST-IN-PLACE 'PIPE PILE'

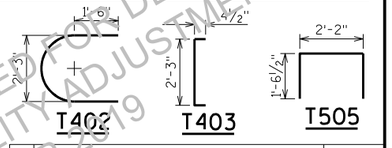
C.I.P. PILE WELD DETAIL

PILE DETAILS

BILL OF BARS

NOTE: THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE

BAR MARK	COAT	NO. REQ'D.	LENGTH	BENT	LOCATION
T401		22	44'-10"		SHAFT-HORIZ.-AT BOTH FACES
T402		20	6'-6"	X	SHAFT-HORIZ.-AT BOTH ENDS
T403		100	2'-10"	X	SHAFT-HORIZ.-AT EACH PILE
T504		98	9'-0"		SHAFT-VERT.-AT BOTH FACES
T505		23	5'-0"	X	SHAFT-VERT.-TOP
T506		46	2'-0"		SHAFT-VERT.-TOP-CENTER



P06 SUPPORT PIER ON 12¾" DIA. X 0.375" C.I.P. CONCRETE PILING, ESTIMATED 145'-0" LONG WITH A REQUIRED DRIVING RESISTANCE OF 210 TONS PER PILE.

P08 T506 BARS @ 1'-0" SPA. AT TOP OF PIER CAP. MAY BE PLACED AFTER CONCRETE IS POURED BUT BEFORE INITIAL SET HAS TAKEN PLACE. (EMBED 1'-0" INTO CONC.)

P09 KEYED CONSTRUCTION JOINT-FORMED BY BEVELED 2" x 6" AT TOP OF PIER CAP.

APPROVED FOR DESIGN OF UTILITY ADJUSTMENTS OCTOBER 2019

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-44-295

DRAWN BY JPH | PLANS CK'D. MJK

PIER 2

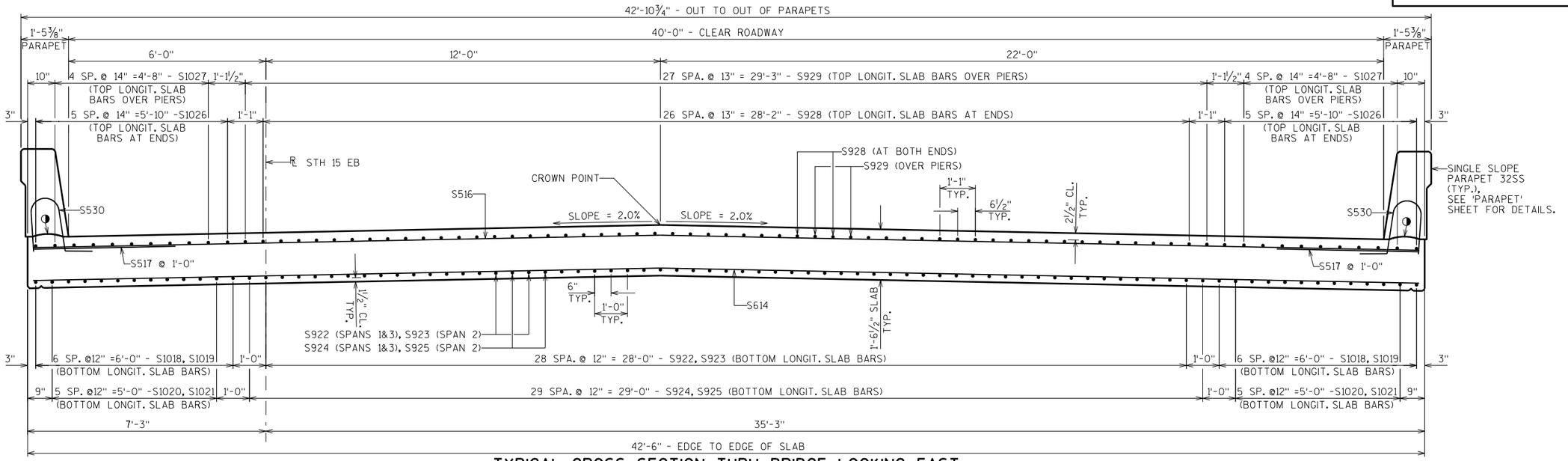
SHEET 9

PRE_240

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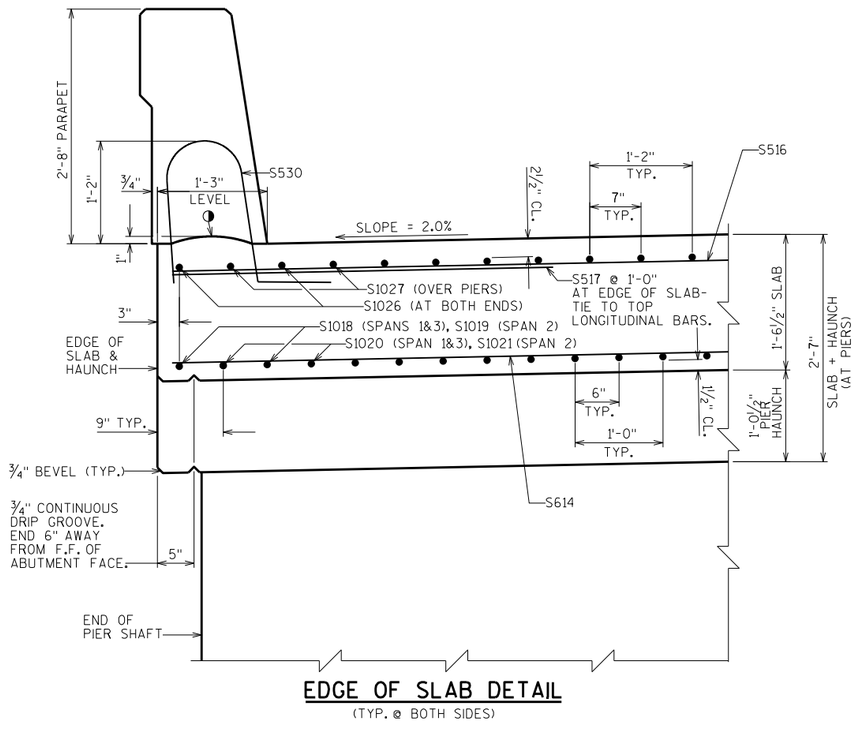
STATE PROJECT NUMBER

1146-75-71



TYPICAL CROSS SECTION THRU BRIDGE LOOKING EAST

(SHOWING IN-SPAN REINFORCEMENT)



EDGE OF SLAB DETAIL

(TYP. @ BOTH SIDES)

NOTES:

FOR THE SECTIONS THRU THE ABUTMENT DIAPHRAGMS SEE "SUPERSTRUCTURE DETAILS" SHEET.

SEE "SUPERSTRUCTURE DETAILS" SHEET FOR ABUTMENT DIAPHRAGM CORNER DETAILS.

FOR THE SECTION THRU THE PIER DIAPHRAGM SEE "SUPERSTRUCTURE DETAILS" SHEET.

◑ HORIZ. CONST. JOINT: STRIKE OFF AND LEAVE ROUGH AS SHOWN

APPROVED FOR DESIGN OF UTILITY ADJUSTMENTS OCTOBER 2021

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-44-295

DRAWN BY JPH | PLANS CK'D. MJK

SUPERSTRUCTURE CROSS SECTIONS 1

SHEET 10

PRE_241

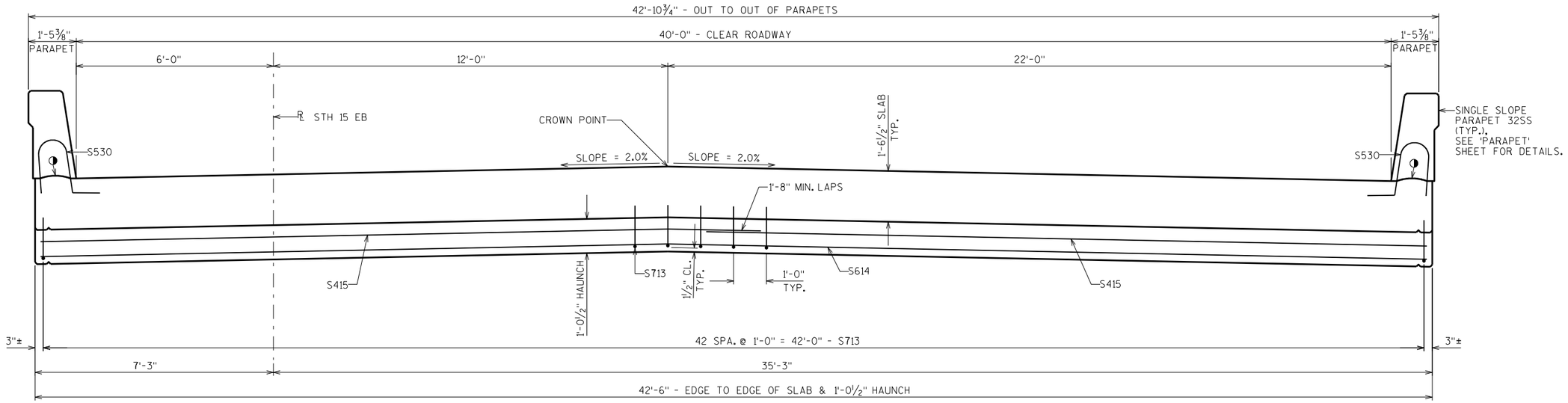
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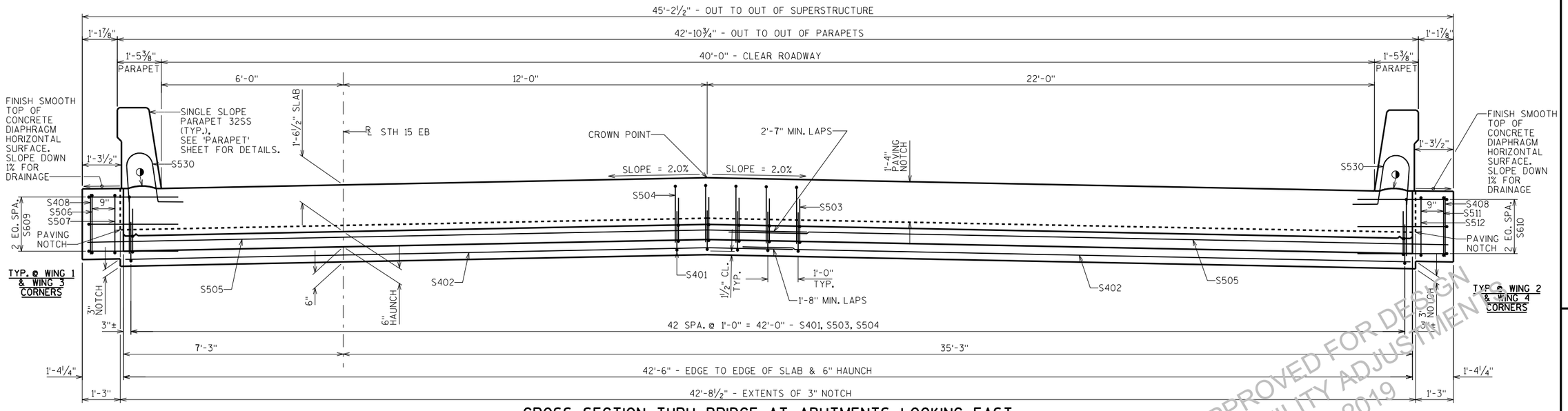
STATE PROJECT NUMBER

1146-75-71



CROSS SECTION THRU BRIDGE AT PIERS LOOKING EAST

(SLAB REINFORCEMENT NOT SHOWN)



CROSS SECTION THRU BRIDGE AT ABUTMENTS LOOKING EAST

(EAST ABUTMENT SHOWN, WEST ABUTMENT SIMILAR - SLAB REINFORCEMENT NOT SHOWN)

NOTES:

FOR THE SECTIONS THRU THE ABUTMENT DIAPHRAGMS SEE "SUPERSTRUCTURE DETAILS" SHEET.

SEE "SUPERSTRUCTURE DETAILS" SHEET FOR ABUTMENT DIAPHRAGM CORNER DETAILS.

FOR THE SECTION THRU THE PIER DIAPHRAGM SEE "SUPERSTRUCTURE DETAILS" SHEET.

◑HORIZ. CONST. JOINT: STRIKE OFF AND LEAVE ROUGH AS SHOWN

APPROVED FOR DESIGN
UTILITY ADJUSTMENTS
OCTOBER 2019

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-44-295

DRAWN BY JPH | PLANS CK'D. MJK

SUPERSTRUCTURE CROSS SECTIONS 2

SHEET 11

PRE_242

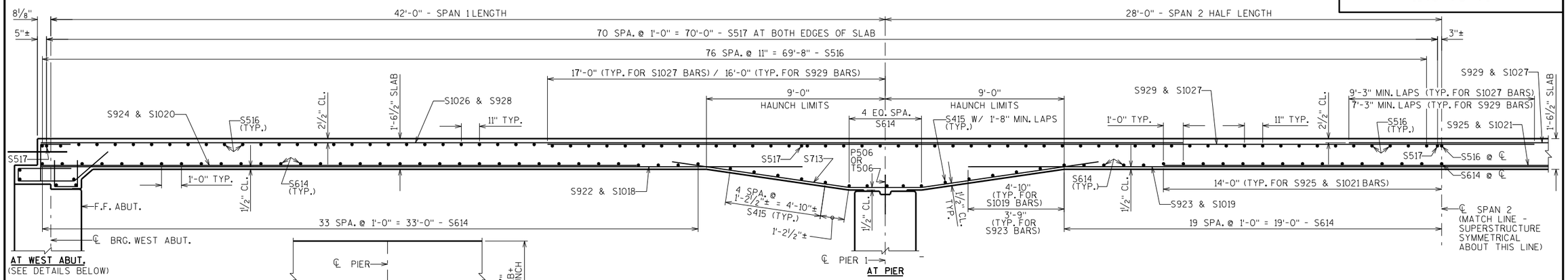
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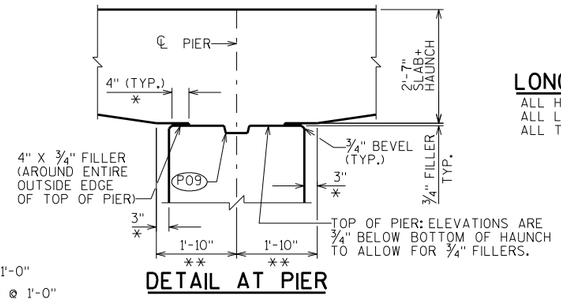
STATE PROJECT NUMBER

1146-75-71



LONGITUDINAL SECTION THRU BRIDGE LOOKING NORTH

ALL HORIZONTAL DIMENSIONS ARE TAKEN PARALLEL TO "℄ STH 15 EB".
ALL LONGITUDINAL BARS ARE PLACED PARALLEL TO "℄ STH 15 EB".
ALL TRANSVERSE BARS ARE PLACED PARALLEL TO ℄ SUBSTRUCTURES.



DETAIL AT PIER

(A19) 18" (RMW) RUBBERIZED MEMBRANE WATERPROOFING SEAL ALL HORIZ. & VERT. JOINTS AT BACKFACE.

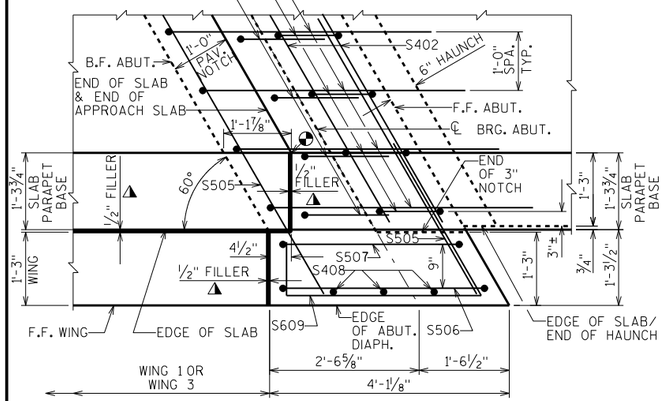
(P09) KEYED CONSTRUCTION JOINT-FORMED BY BEVELED 2" × 6".

*DIMENSION IS TAKEN PERPENDICULAR TO ℄ SUBSTRUCTURES.

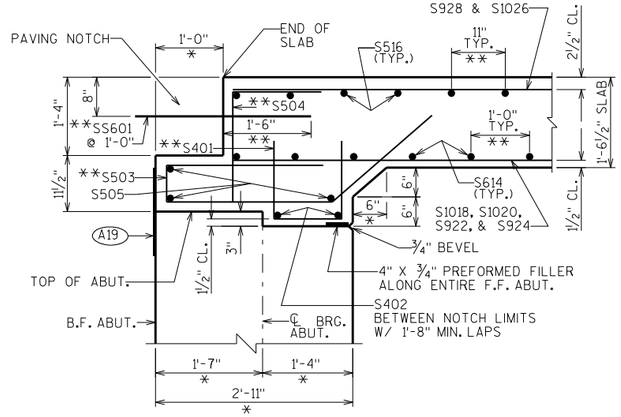
**DIMENSION IS TAKEN PARALLEL TO "℄ STH 15 EB". BARS PLACED PARALLEL TO "℄ STH 15 EB".

SQUARE OFF ENDS OF PAVING NOTCH AT INSIDE FACE OF PARAPET

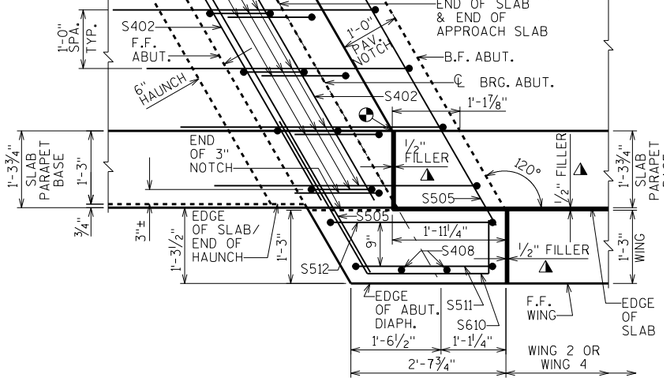
SEAL ALL EXPOSED HORIZ. & VERT. SURFACES OF ½" FILLER WITH NON-STAINING, GRAY AND NON-BITUMINOUS JOINT SEALER. (1" DEEP AND HOLD ⅛" BELOW SURFACE OF CONCRETE).



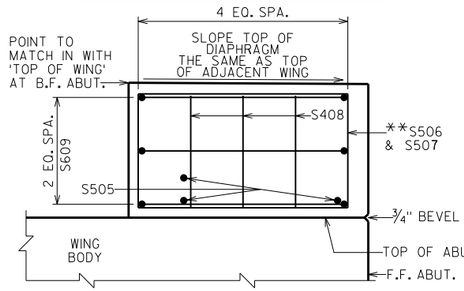
TYPICAL CORNER DETAIL AT WINGS 1&3 (PLAN VIEW)



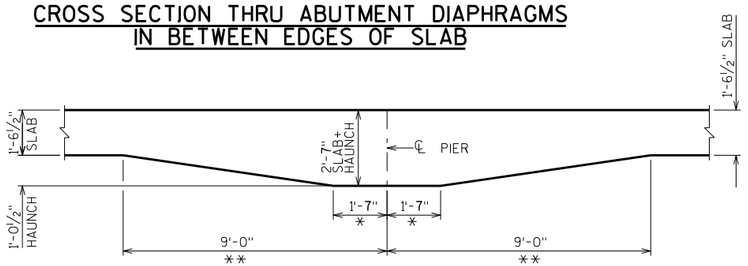
CROSS SECTION THRU ABUTMENT DIAPHRAGMS IN BETWEEN EDGES OF SLAB



TYPICAL CORNER DETAIL AT WINGS 2&4 (PLAN VIEW)

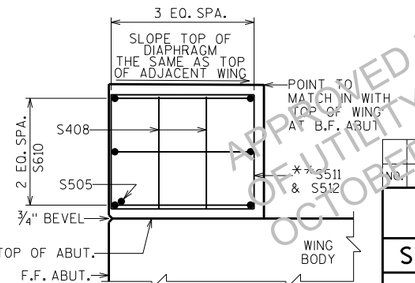


TYPICAL CORNER DETAIL AT WINGS 1&3 (ELEVATION VIEW LOOKING AT F.F. WING)



PART LONGITUDINAL SLAB & HAUNCH SECTION AT PIERS LOOKING AT OUTSIDE FACE

(STEEL REINFORCEMENT NOT SHOWN)



TYPICAL CORNER DETAIL AT WINGS 2&4 (ELEVATION VIEW LOOKING AT F.F. WING)

GENERAL NOTES

SEE 'BAR DETAILS' SHEET FOR THE 'BILL OF BARS' AND BAR DETAILS.

TOP TRANSVERSE BARS IN SLAB SHALL BE SUPPORTED BY INDIVIDUAL BAR CHAIRS AT APPROXIMATELY 3'-0" CENTERS EACH WAY. BOTTOM LONGITUDINAL BARS SHALL BE SUPPORTED BY CONTINUOUS BAR CHAIRS AT APPROXIMATELY 4'-0" CENTERS.

ALL SLAB THICKNESS DIMENSIONS ARE MINIMUM. ANY TOLERANCES NECESSARY TO CORRECT CONSTRUCTION DISCREPANCIES ARE TO BE PLUS (+).

PARAPETS PLACED ON TOP OF THE SLAB SHALL BE POURED AFTER FALSEWORK HAS BEEN RELEASED, EXCEPT FOR STAGED CONSTRUCTION.

PRIOR TO RELEASING SLAB FALSEWORK, TAKE TOP OF SLAB ELEVATIONS AT THE ℄ OF ABUTMENTS, THE ℄ OF PIERS AND AT 5/10 PTS. TO VERIFY CAMBER. TAKE ELEVATIONS ALONG GUTTER LINES, "℄ STH 15 EB AND CROWN POINT.

APPROVED FOR ELEVATIONS OF UTILITY ATTACHMENTS OCTOBER 2, 2023

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-44-295

DRAWN BY JPH | PLANS CK'D. MJK

SUPERSTRUCTURE DETAILS

SHEET 12

PRE_243

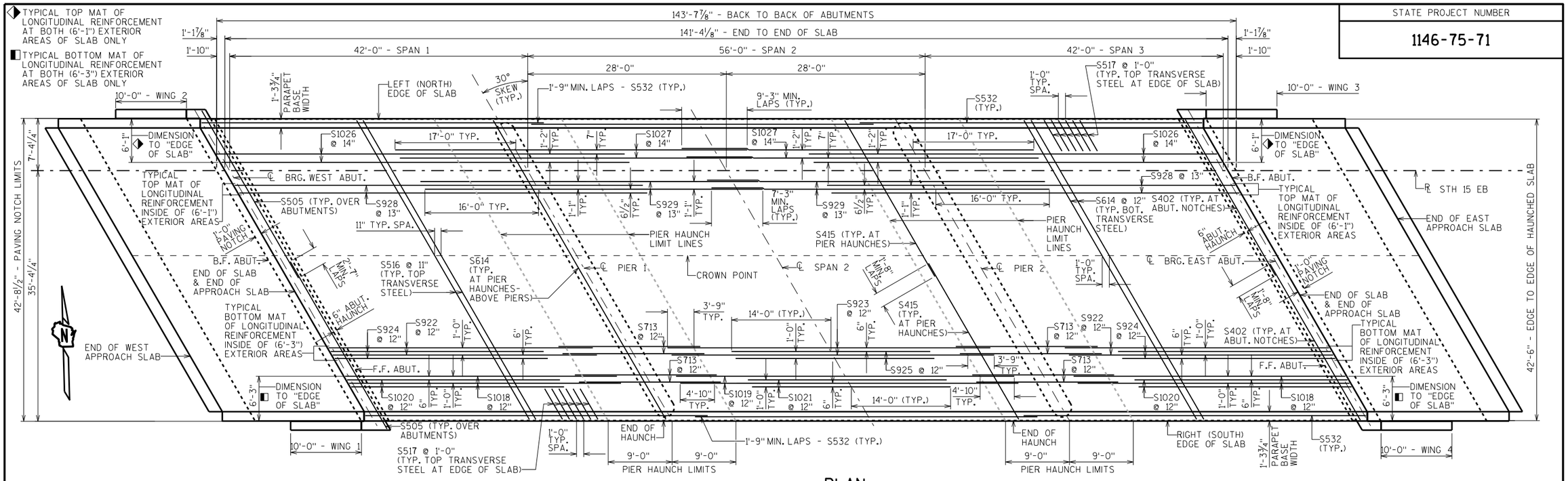
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STATE PROJECT NUMBER

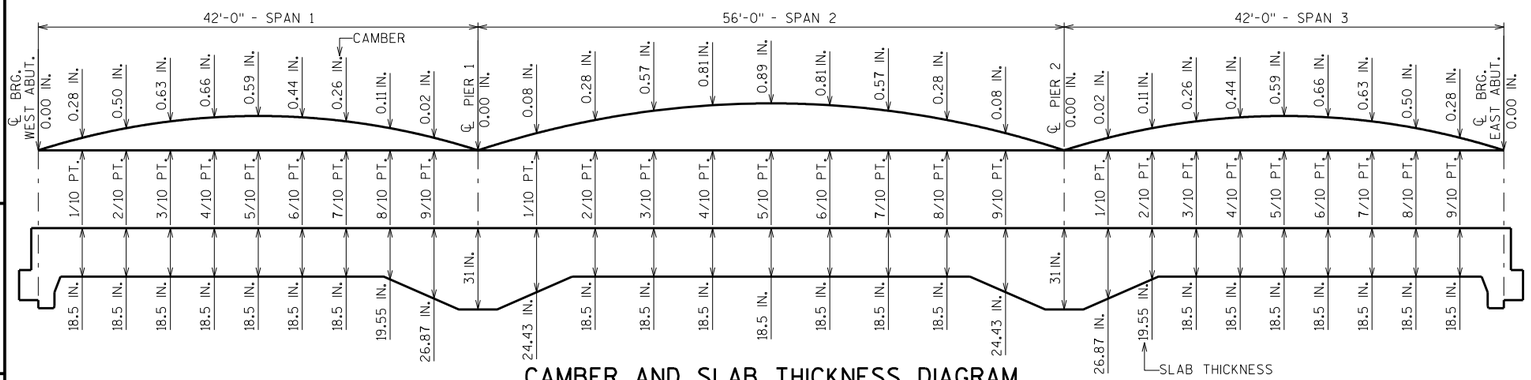
1146-75-71



PLAN

TOP OF SLAB ELEVATIONS

	℄ BRG. W. ABUT.	1/10	2/10	3/10	4/10	5/10	6/10	7/10	8/10	9/10	℄ PIER 1	1/10	2/10	3/10	4/10	5/10	6/10	7/10	8/10	9/10	℄ PIER 2	1/10	2/10	3/10	4/10	5/10	6/10	7/10	8/10	9/10	℄ BRG. E. ABUT.	
NORTH EDGE OF SLAB	767.78	767.76	767.74	767.72	767.70	767.68	767.65	767.63	767.61	767.59	767.57	767.54	767.51	767.49	767.46	767.43	767.40	767.37	767.35	767.32	767.29	767.27	767.25	767.23	767.21	767.19	767.16	767.14	767.12	767.10	767.08	NORTH EDGE OF SLAB
℞ STH 15 EB	767.88	767.86	767.84	767.82	767.80	767.78	767.75	767.73	767.71	767.69	767.67	767.64	767.61	767.59	767.56	767.53	767.50	767.47	767.45	767.42	767.39	767.37	767.35	767.33	767.31	767.29	767.26	767.24	767.22	767.20	767.18	℞ STH 15 EB
CROWN POINT	768.09	768.06	768.04	768.02	768.00	767.98	767.96	767.94	767.92	767.90	767.88	767.85	767.82	767.79	767.76	767.74	767.71	767.68	767.65	767.62	767.60	767.57	767.55	767.53	767.51	767.49	767.47	767.45	767.43	767.41	767.39	CROWN POINT
SOUTH EDGE OF SLAB	767.58	767.56	767.54	767.52	767.49	767.47	767.45	767.43	767.41	767.39	767.37	767.34	767.31	767.28	767.26	767.23	767.20	767.17	767.14	767.12	767.09	767.07	767.05	767.03	767.00	766.98	766.96	766.94	766.92	766.90	766.88	SOUTH EDGE OF SLAB



CAMBER AND SLAB THICKNESS DIAGRAM

CAMBER SHOWN IS BASED ON 3 TIMES DEAD LOAD DEFLECTIONS. CAMBER SPANS AS SHOWN TO PROVIDE FOR DEAD LOAD DEFLECTION AND FUTURE CREEP. CAMBER DOES NOT INCLUDE ALLOWANCE FOR FORM SETTLEMENT.
PARAPETS, SIDEWALKS AND MEDIANS PLACED ON TOP OF THE SLAB SHALL BE POURED AFTER FALSEWORK HAS BEEN RELEASED.

TO DETERMINE FALSEWORK ELEVATION AT EDGE OF SLAB, CROWN & REFERENCE LINE FOLLOW THIS PROCEDURE:

TOP OF SLAB ELEVATION AT FINAL GRADE
LESS (-) SLAB THICKNESS
PLUS (+) CAMBER
PLUS (+) FORM SETTLEMENT/DEFLECTION DUE TO PLACEMENT OF SLAB CONCRETE (TO BE COMPUTED BY THE CONTRACTOR)
EQUALS = TOP OF SLAB FALSEWORK ELEVATION.

SURVEY TOP OF SLAB ELEVATIONS

	℄ BRG. WEST ABUTMENT	5/10 PT.	℄ PIER 1	5/10 PT.	℄ PIER 2	5/10 PT.	℄ BRG. EAST ABUTMENT
NORTH GUTTERLINE							
℞ STH 15 EB							
CROWN POINT							
SOUTH GUTTERLINE							

PRIOR TO RELEASING SLAB FALSEWORK, TAKE TOP OF SLAB ELEVATIONS AT THE ℄ OF ABUTMENTS, THE ℄ OF PIERS AND AT 5/10 PTS. TO VERIFY CAMBER. TAKE ELEVATIONS ALONG GUTTERLINES, ℞, AND CROWN POINT. RECORD THE ELEVATIONS IN THE ABOVE TABLE FOR THE "AS BUILT" PLANS.

APPROVED FOR DESIGN OF UTILITY ADJUSTMENTS OCTOBER 28, 2020

NOTES

TOP TRANSVERSE BARS IN SLAB SHALL BE SUPPORTED BY INDIVIDUAL BAR CHAIRS AT APPROXIMATELY 3'-0" CENTERS EACH WAY. BOTTOM LONGITUDINAL BARS SHALL BE SUPPORTED BY CONTINUOUS BAR CHAIRS AT APPROXIMATELY 4'-0" CENTERS.

ALL SLAB THICKNESS DIMENSIONS ARE MINIMUM. ANY TOLERANCES NECESSARY TO CORRECT CONSTRUCTION DISCREPANCIES ARE TO BE PLUS (+).

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-44-295

DRAWN BY JPH | PLANS CK'D. MJK

SUPERSTRUCTURE PLAN & DATA

SHEET 13

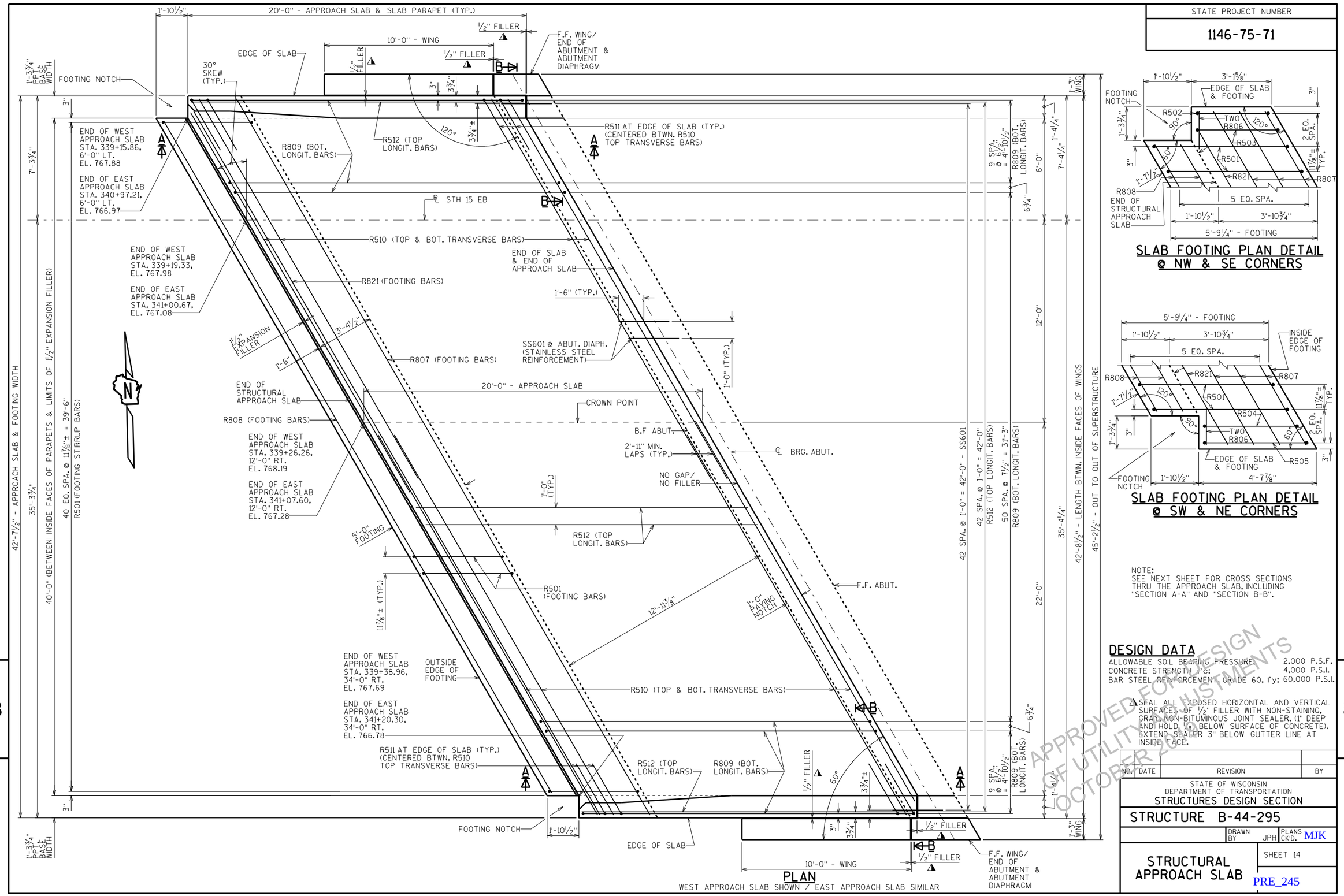
PRE_244

SCALE = 7.00

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STATE PROJECT NUMBER
1146-75-71



PLAN
WEST APPROACH SLAB SHOWN / EAST APPROACH SLAB SIMILAR

SLAB FOOTING PLAN DETAIL @ NW & SE CORNERS

SLAB FOOTING PLAN DETAIL @ SW & NE CORNERS

NOTE:
SEE NEXT SHEET FOR CROSS SECTIONS THRU THE APPROACH SLAB, INCLUDING "SECTION A-A" AND "SECTION B-B".

DESIGN DATA

ALLOWABLE SOIL BEARING PRESSURE: 2,000 P.S.F.
CONCRETE STRENGTH f'_c: 4,000 P.S.I.
BAR STEEL REINFORCEMENT, GRADE 60, f_y: 60,000 P.S.I.

△SEAL ALL EXPOSED HORIZONTAL AND VERTICAL SURFACES OF ½" FILLER WITH NON-STAINING, GRAY, NON-BITUMINOUS JOINT SEALER. (1" DEEP AND HOLD ⅛" BELOW SURFACE OF CONCRETE). EXTEND SEALER 3" BELOW GUTTER LINE AT INSIDE FACE.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-44-295

DRAWN BY JPH | PLANS CK'D. MJK

STRUCTURAL APPROACH SLAB

SHEET 14

PRE_245

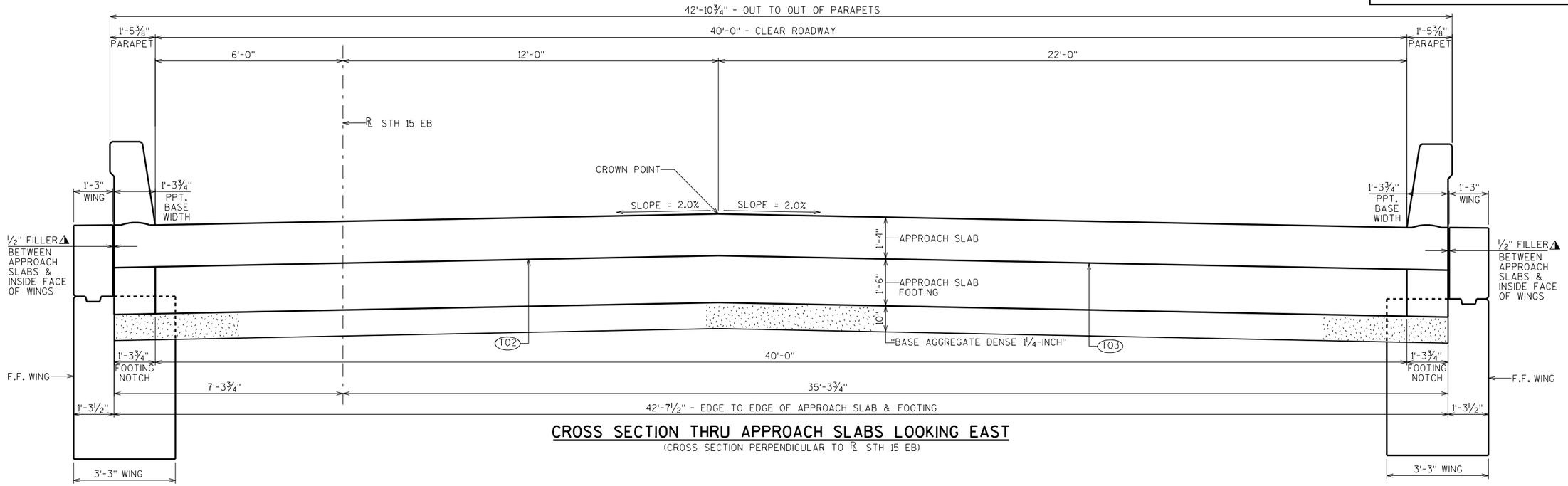
APPROVED FOR DESIGN OF UTILITY ADJUSTMENTS OCTOBER 2021

SCALE = 2.50

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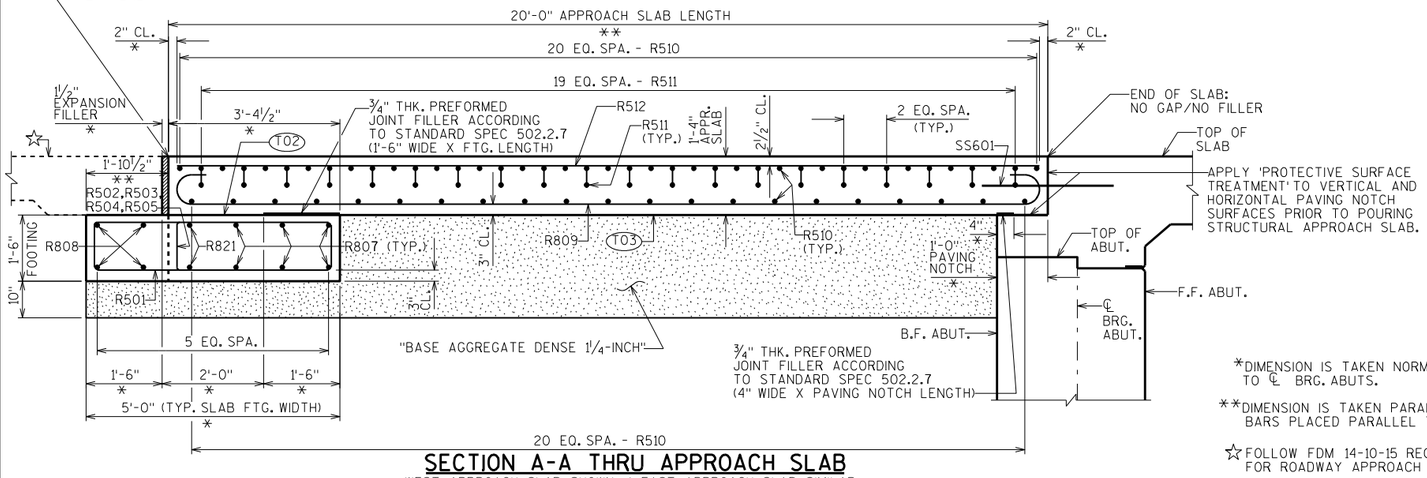
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STATE PROJECT NUMBER
1146-75-71



CROSS SECTION THRU APPROACH SLABS LOOKING EAST

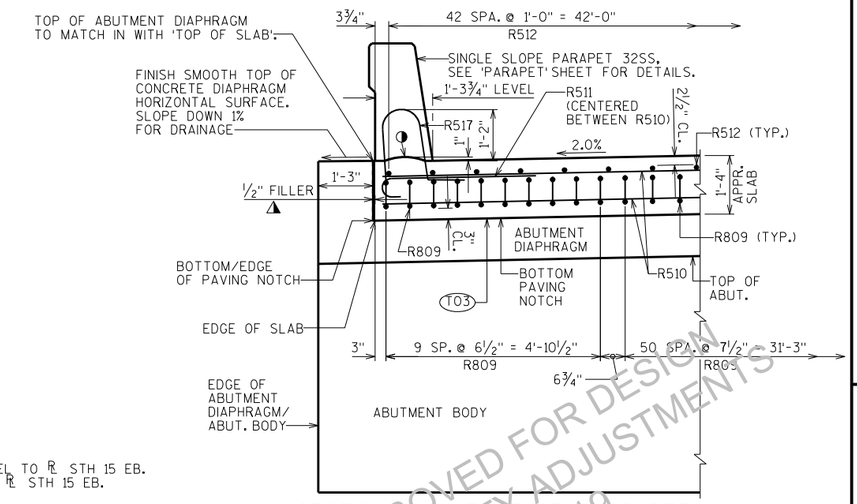
(CROSS SECTION PERPENDICULAR TO ℄ STH 15 EB)



SECTION A-A THRU APPROACH SLAB

WEST APPROACH SLAB SHOWN / EAST APPROACH SLAB SIMILAR

NOTE:
SEE THE 'BAR DETAILS' SHEET FOR THE BILL OF BARS AND BAR DETAILS FOR THE STRUCTURAL APPROACH SLAB R-BARS.



SECTION B-B (EDGE OF SLAB DETAIL)

*DIMENSION IS TAKEN NORMAL TO ℄ BRG. ABUTS.

**DIMENSION IS TAKEN PARALLEL TO ℄ STH 15 EB. BARS PLACED PARALLEL TO ℄ STH 15 EB.

☆FOLLOW FDM 14-10-15 REQUIREMENTS FOR ROADWAY APPROACH PAVEMENT.

◐HORIZ. CONST. JOINT: STRIKE OFF AND LEAVE ROUGH AS SHOWN

▲SEAL ALL EXPOSED HORIZONTAL AND VERTICAL SURFACES OF ½" FILLER WITH NON-STAINING, GRAY, NON-BITUMINOUS JOINT SEALER. (1" DEEP AND HOLD ⅛" BELOW SURFACE OF CONCRETE). EXTEND SEALER 3" BELOW GUTTER LINE AT INSIDE FACE.

T02 STEEL TROWEL TOP SURFACE OF FOOTING AND PLACE MULTIPLE LAYERS (0.03" MIN. TOTAL THK.) OF POLYETHYLENE SHEETS OVER THE ENTIRE TOP OF FOOTING.

T03 PLACE MULTIPLE LAYERS (0.03" MIN. TOTAL THK.) OF POLYETHYLENE SHEETS OVER THE ENTIRE TOP OF SUBGRADE BENEATH SLAB.

APPROVED FOR DESIGN OF UTILITY ADJUSTMENTS OCTOBER 2019

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-44-295

DRAWN BY JPH | PLANS CK'D. MJK

STRUCTURAL APPROACH SLAB DETAILS

SHEET 15

PRE_246

SCALE = 1.67

8

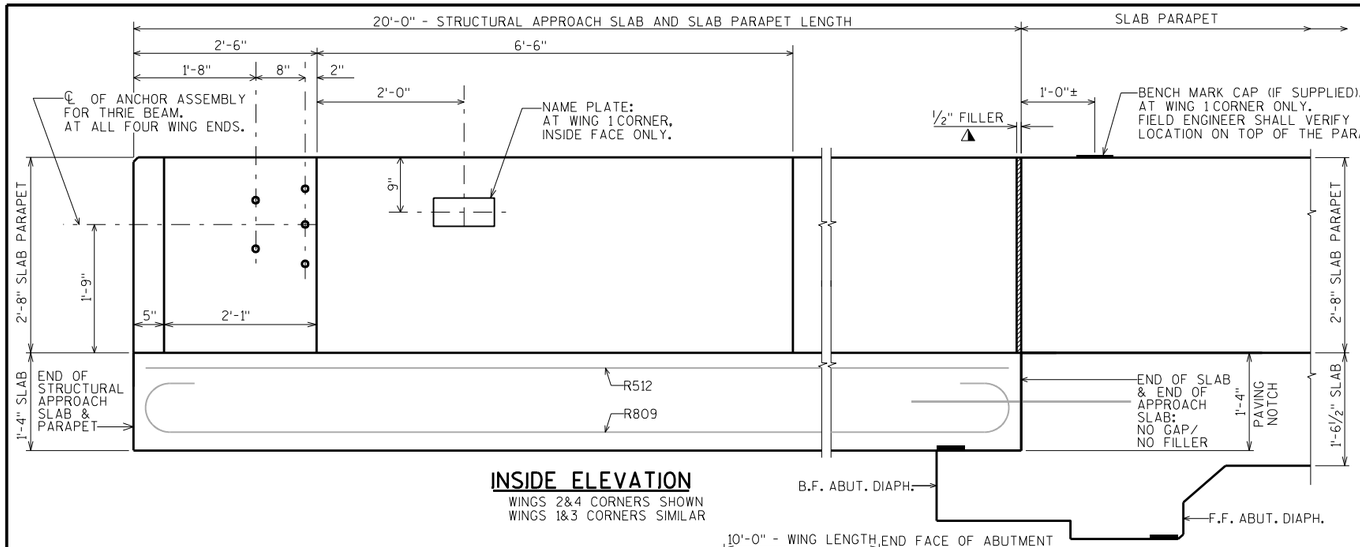
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STATE PROJECT NUMBER

1146-75-71

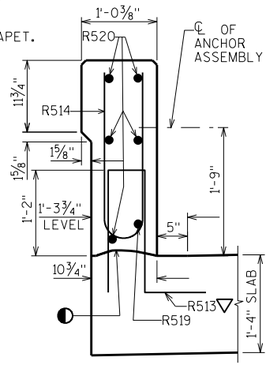
NOTES:
SEE THE 'BAR DETAILS' SHEET FOR THE BILL OF BARS AND BAR DETAILS FOR THE APPROACH SLAB PARAPET R-BARS.

SEE THE 'BAR DETAILS' SHEET FOR THE BILL OF BARS AND BAR DETAILS FOR THE SUPERSTRUCTURE PARAPET S-BARS.

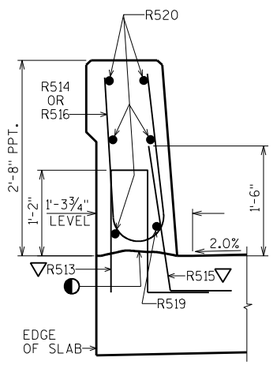


INSIDE ELEVATION

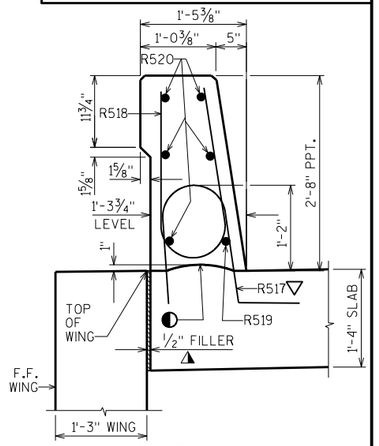
WINGS 2&4 CORNERS SHOWN
WINGS 1&3 CORNERS SIMILAR



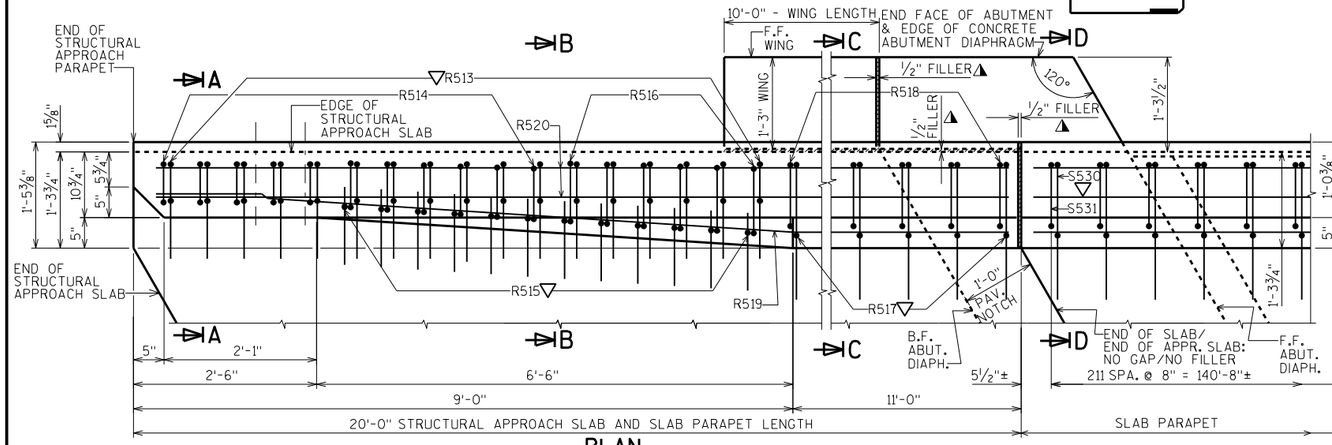
SECTION A-A



SECTION B-B

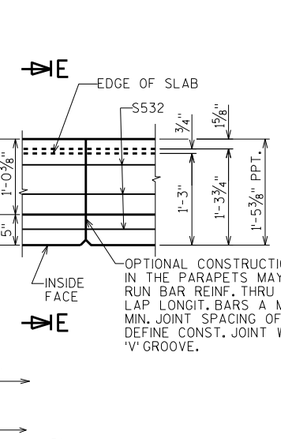


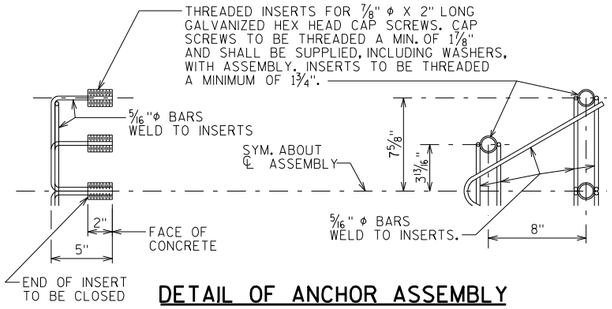
SECTION C-C



PLAN

WINGS 2&4 CORNERS SHOWN
WINGS 1&3 CORNERS SIMILAR

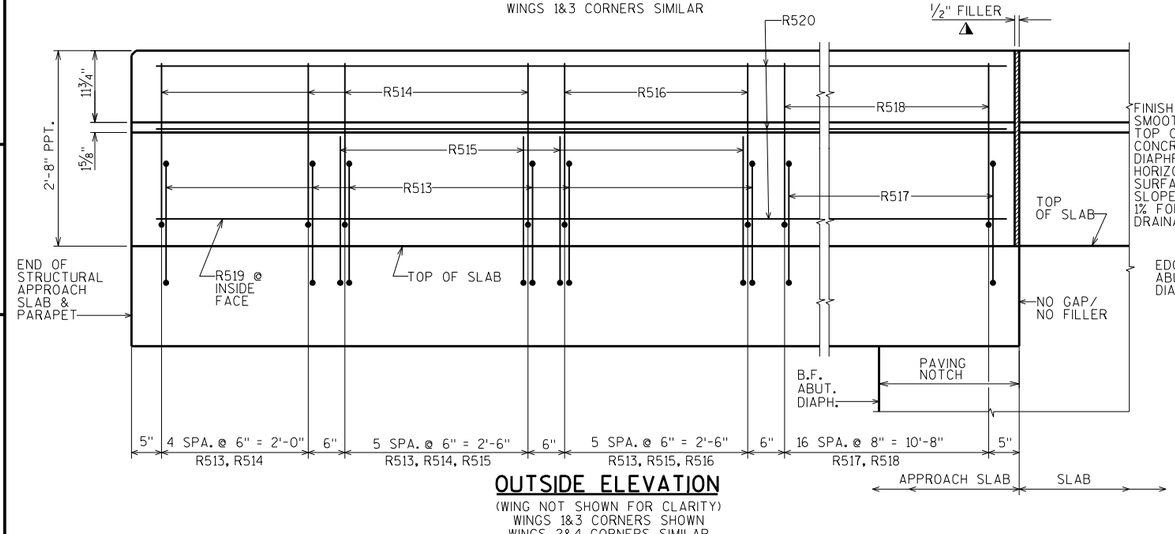




DETAIL OF ANCHOR ASSEMBLY

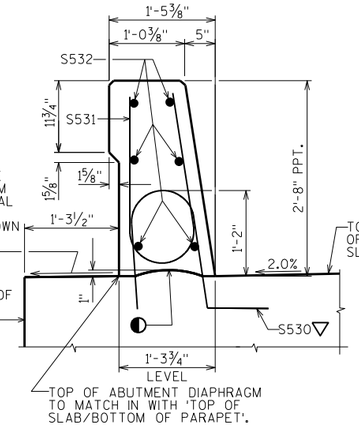
NOTE: HEX HEAD CAP SCREWS & WASHERS TO BE GALVANIZED IN ACCORDANCE WITH AASHTO M232 CLASS C.

ASSEMBLY SHALL BE BID ITEM "ANCHOR ASSEMBLIES FOR STEEL PLATE BEAM GUARD", EACH.

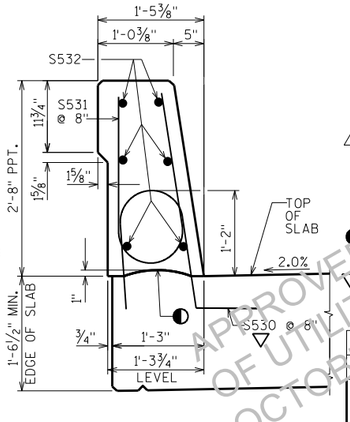


OUTSIDE ELEVATION

(WING NOT SHOWN FOR CLARITY)
WINGS 1&3 CORNERS SHOWN
WINGS 2&4 CORNERS SIMILAR



SECTION D-D (OVER ABUT. DIAPHRAGM)



SECTION E-E (AT SLAB)

▲ SEAL ALL EXPOSED HORIZONTAL AND VERTICAL SURFACES OF ½" FILLER WITH NON-STAINING, GRAY, NON-BITUMINOUS JOINT SEALER. (1" DEEP AND HOLD ⅛" BELOW SURFACE OF CONCRETE). EXTEND SEALER 3" BELOW GUTTER LINE AT INSIDE FACE.

◐ HORIZ. CONST. JOINT - STRIKE OFF AS SHOWN AND LEAVE ROUGH.

▽ R513, R515, R517 & S530 PARAPET BARS TO BE TIED TO SLAB OR SLAB STEEL BEFORE SLAB OR SLAB IS POURED. USE CARE TO PLACE R515 BARS CORRECTLY ALONG TRANSITION OF PARAPET.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-44-295

DRAWN BY JPH | PLANS CK'D. MJK

SINGLE SLOPE PARAPET 32SS

SHEET 16

PRE_247

APPROVED FOR USE BY DIVISION OF UTILITIES AND ELECTRICAL OCTOBER 2020

SCALE = 1.00

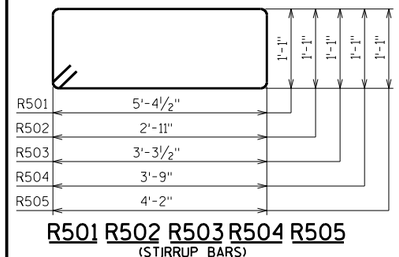
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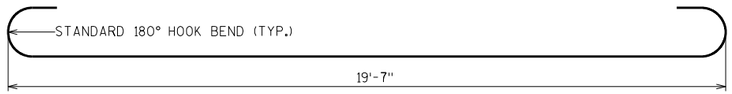
BILL OF BARS FOR STRUCTURAL APPROACH SLABS

NOTE: THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE

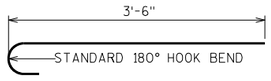
BAR MARK	COAT	NO. REQUIRED. WEST SLAB	NO. REQUIRED. EAST SLAB	LENGTH	BENT	LOCATION
R501	X	41	41	13'-7"	X	FOOTING-VERTICAL-LONGITUDINAL-STIRRUP BAR-AT CENTER
R502	X	1	1	8'-8"	X	FOOTING-VERTICAL-LONGITUDINAL-STIRRUP BAR-AT WING 2&4 ENDS ONLY
R503	X	1	1	9'-5"	X	FOOTING-VERTICAL-LONGITUDINAL-STIRRUP BAR-AT WING 2&4 ENDS ONLY
R504	X	1	1	10'-4"	X	FOOTING-VERTICAL-LONGITUDINAL-STIRRUP BAR-AT WING 1&3 ENDS ONLY
R505	X	1	1	11'-2"	X	FOOTING-VERTICAL-LONGITUDINAL-STIRRUP BAR-AT WING 1&3 ENDS ONLY
R806	X	4	4	1'-4"		FOOTING-TOP & BOTTOM-HORIZONTAL-TRANSVERSE-AT ENDS ONLY
R807	X	6	6	48'-10"		FOOTING-TOP & BOTTOM-HORIZONTAL-TRANSVERSE-AT INSIDE FACE
R808	X	4	4	45'-9"		FOOTING-TOP & BOTTOM-HORIZONTAL-TRANSVERSE-AT OUTSIDE FACE
R809	X	71	71	21'-5"	X	SLAB-BOTTOM-VERTICAL-LONGITUDINAL
R510	X	84	84	26'-0"		SLAB-TOP & BOTTOM-HORIZONTAL-TRANSVERSE
R511	X	40	40	4'-1"	X	SLAB-TOP-VERTICAL-TRANSVERSE-AT BOTH EDGES
R512	X	43	43	19'-7"		SLAB-TOP-HORIZONTAL-LONGITUDINAL
R513	X	34	34	4'-4"	X	PARAPETS 32SS/SLAB-VERTICAL-TRANSVERSE-AT ALL FOUR PPT. ENDS
R514	X	22	22	4'-9"	X	PARAPET 32SS-END-VERTICAL-TRANSVERSE-AT ALL FOUR PPT. ENDS
R515	X	24	24	2'-9"	X	PARAPETS 32SS/SLAB-INSIDE FACE-VERTICAL-TRANSVERSE-AT ALL FOUR PPT. ENDS
R516	X	12	12	4'-10"	X	PARAPET 32SS-VERTICAL-TRANSVERSE-AT ALL FOUR PPT. ENDS
R517	X	34	34	4'-5"	X	PARAPETS/SLAB-VERTICAL-TRANSVERSE-AT ALL FOUR PPT. ENDS
R518	X	34	34	5'-0"	X	PARAPET 32SS-VERTICAL-TRANSVERSE-AT ALL FOUR PPT. ENDS
R519	X	2	2	19'-5"	X	PARAPET 32SS-BOT.-INSIDE FACE-HORIZONTAL-LONGITUDINAL-AT ALL FOUR PPT. ENDS
R520	X	10	10	19'-5"		PARAPET 32SS-BOTH FACES-HORIZONTAL-LONGITUDINAL-AT ALL FOUR PPT. ENDS
R821	X	2	2	47'-9"		FOOTING-TOP & BOTTOM-HORIZONTAL-TRANSVERSE-AT MIDDLE



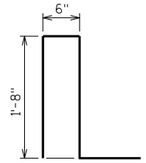
R501 R502 R503 R504 R505
(STIRRUP BARS)



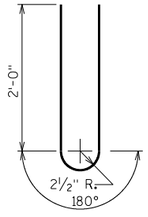
R809



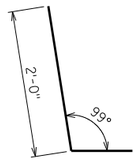
R511



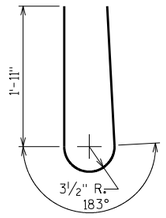
R513



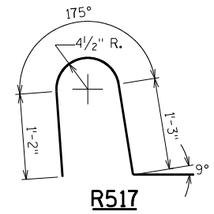
R514



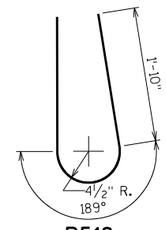
R515



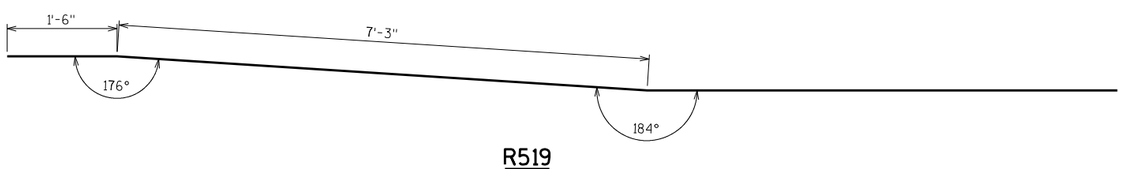
R516



R517



R518



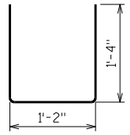
R519

BILL OF BARS FOR SUPERSTRUCTURE

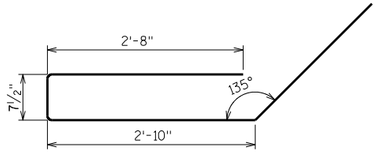
NOTE: THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE

BAR MARK	COAT	NO. REQ'D.	LENGTH	BENT	LOCATION
S401	X	86	3'-8"	X	ABUT. DIAPHS.-F.F.-BOT.-VERT.-LONGIT.-AT 3" NOTCHES
S402	X	8	25'-4"		ABUT. DIAPHS.-F.F.-BOT.-HORIZ.-TRANS.-AT 3" NOTCHES
S503	X	86	8'-1"	X	ABUT. DIAPHS./SLAB-BOT.-VERT.-LONGIT.-UNDER PAVING NOTCHES
S504	X	86	3'-4"	X	ABUT. DIAPHS./SLAB-VERT.-LONGIT.-ALONG PAVING NOTCHES
S505	X	12	27'-3"		ABUT. DIAPHS.-BOT.-HORIZ.-TRANSVERSE
S506	X	2	11'-8"	X	ABUT. DIAPHS.-VERTICAL-LONGIT.-AT WINGS 1&3 CORNERS ONLY
S507	X	2	10'-10"	X	ABUT. DIAPHS.-VERTICAL-LONGIT.-AT WINGS 1&3 CORNERS ONLY
S408	X	10	1'-11"		ABUT. DIAPHS.-OUTSIDE FACES-VERT.-AT ALL FOUR WING CORNERS
S609	X	6	7'-2"	X	ABUT. DIAPHS.-HORIZ.-TRANS.-AT WINGS 1&3 CORNERS ONLY
S610	X	6	6'-0"	X	ABUT. DIAPHS.-HORIZ.-TRANS.-AT WINGS 2&4 CORNERS ONLY
S511	X	2	9'-6"	X	ABUT. DIAPHS.-VERTICAL-LONGIT.-AT WINGS 2&4 CORNERS ONLY
S512	X	2	10'-4"	X	ABUT. DIAPHS.-VERTICAL-LONGIT.-AT WINGS 2&4 CORNERS ONLY
S713	X	86	21'-8"	X	PIER HAUNCHES-BOT.-VERT.-LONGIT.
S614	X	117	48'-8"		SLAB & PIER HAUNCHES-BOT.-HORIZ.-TRANSVERSE
S415	X	40	25'-3"		PIER HAUNCHES-BOT.-HORIZ.-TRANSVERSE-ON EACH SIDE OF PIERS
S516	X	155	48'-8"		SLAB-TOP-HORIZ.-TRANSVERSE
S517	X	284	5'-0"		SLAB-TOP-HORIZ.-TRANSVERSE-AT BOTH EDGES
S1018	X	28	38'-4"		SLAB-BOTTOM-HORIZ.-LONGIT.-AT SPANS 1&3 EXTERIORS
S1019	X	14	47'-8"		SLAB-BOTTOM-HORIZ.-LONGIT.-AT SPAN 2 EXTERIORS
S1020	X	24	30'-0"		SLAB-BOTTOM-HORIZ.-LONGIT.-AT SPANS 1&3 EXTERIORS
S1021	X	12	28'-0"		SLAB-BOTTOM-HORIZ.-LONGIT.-AT SPAN 2 EXTERIORS
S922	X	58	37'-3"		SLAB-BOTTOM-HORIZ.-LONGIT.-AT SPANS 1&3 INTERIOR
S923	X	29	45'-6"		SLAB-BOTTOM-HORIZ.-LONGIT.-AT SPAN 2 INTERIOR
S924	X	60	30'-0"		SLAB-BOTTOM-HORIZ.-LONGIT.-AT SPANS 1&3 INTERIOR
S925	X	30	28'-0"		SLAB-BOTTOM-HORIZ.-LONGIT.-AT SPAN 2 INTERIOR
S1026	X	24	57'-6"		SLAB-TOP-HORIZ.-LONGIT.-AT BOTH ENDS-EXTERIORS
S1027	X	20	49'-8"		SLAB-TOP-HORIZ.-LONGIT.-OVER PIERS 1&2-EXTERIORS
S928	X	54	57'-6"		SLAB-TOP-HORIZ.-LONGIT.-AT BOTH ENDS-INTERIOR
S929	X	56	47'-8"		SLAB-TOP-HORIZ.-LONGIT.-OVER PIERS 1&2-INTERIOR
S530	X	424	4'-5"	X	PARAPETS/SLAB-VERTICAL-TRANSVERSE-AT BOTH SIDES
S531	X	424	5'-0"	X	PARAPETS-VERTICAL-TRANSVERSE-AT BOTH SIDES
S532	X	36	48'-3"		PARAPETS-BOTH FACES-HORIZ.-LONGIT.-AT BOTH SIDES
SS601		86	3'-0"		HAUNCHED SLAB/APPROACH SLAB-HORIZ.-LONGIT.-AT PAVING NOTCHES

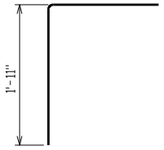
STAINLESS STEEL REINFORCEMENT



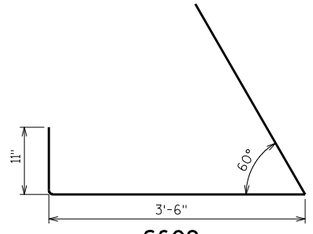
S401



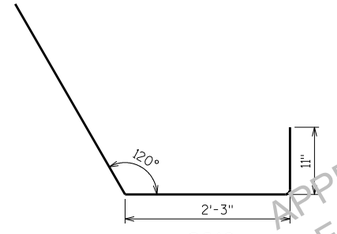
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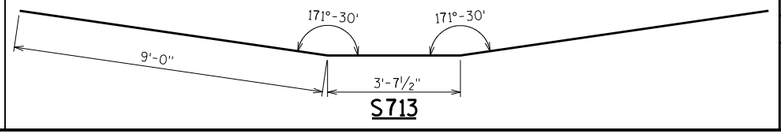
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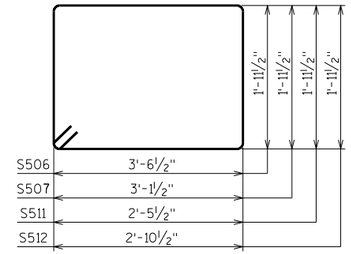
S609



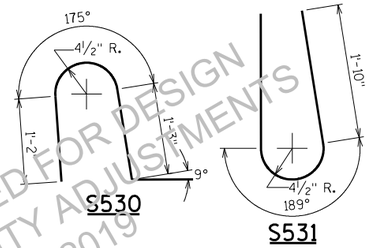
S610



S713



S506 S507 S511 S512
(STIRRUP BARS)



S530 S531

APPROVED FOR DESIGN OF UTILITY ADJUSTMENTS OCTOBER 2019

STATE PROJECT NUMBER

1146-75-71

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-44-295

DRAWN BY JPH | PLANS CK'D. MJK

SUPERSTRUCTURE & APPROACH SLAB BAR DETAILS

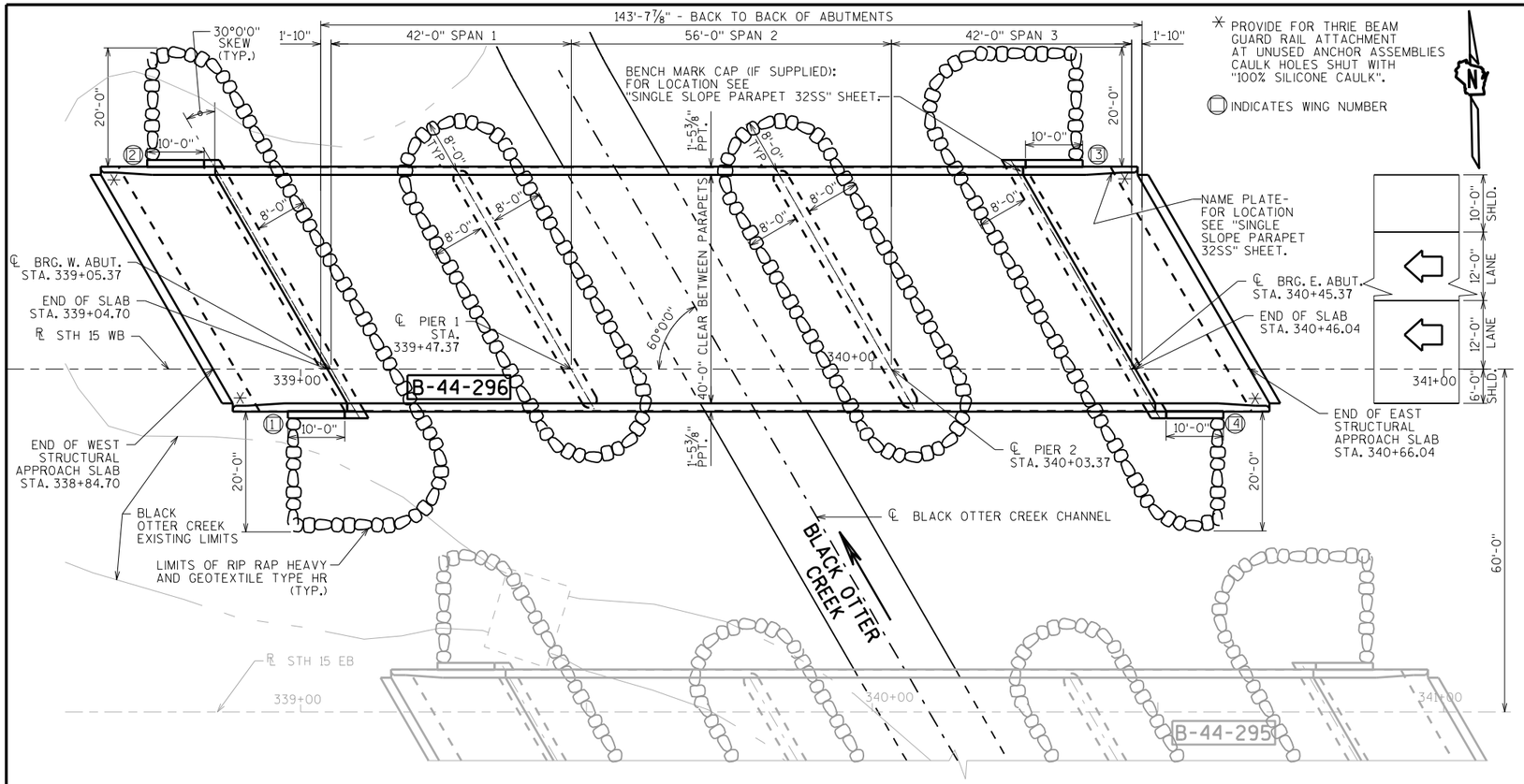
SHEET 17

PRE_248

SCALE = 1.00

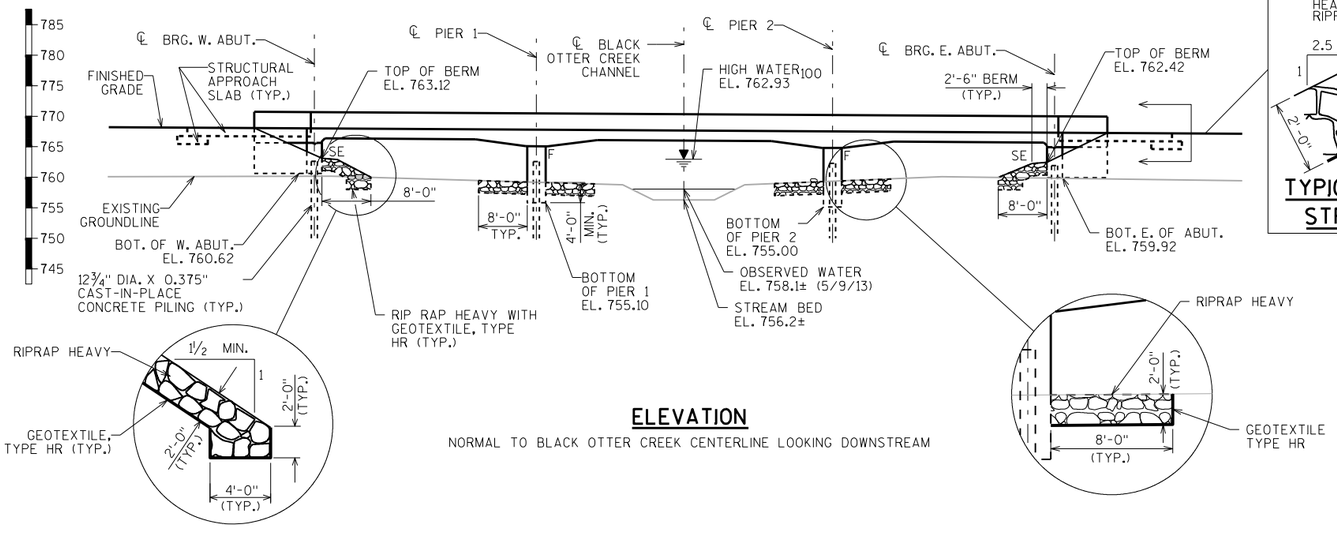
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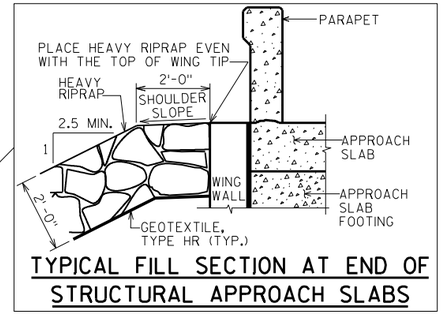
PLAN

3 SPAN - HAUNCHED CONCRETE SLAB



ELEVATION

NORMAL TO BLACK OTTER CREEK CENTERLINE LOOKING DOWNSTREAM



TYPICAL FILL SECTION AT END OF STRUCTURAL APPROACH SLABS

DESIGN DATA

LIVE LOAD:

DESIGN LOADING: HL-93
INVENTORY RATING FACTOR: RF = 1.13
OPERATING RATING FACTOR: RF = 1.47
WISCONSIN STANDARD PERMIT VEHICLE (WIS.-SPV): 250 KIPS

STRUCTURE IS DESIGNED FOR A FUTURE WEARING SURFACE OF 20 POUNDS PER SQUARE FOOT.

MATERIAL PROPERTIES:

CONCRETE MASONRY:
SUPERSTRUCTURE — 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.
STAINLESS, GRADE 60 — fy = 60,000 P.S.I.

FOUNDATION DATA

ABUTMENTS TO BE SUPPORTED ON 12¾" DIA. X 0.375" CAST-IN-PLACE CONCRETE PILING DRIVEN TO A REQUIRED DRIVING RESISTANCE OF 170 TONS ** PER PILE AS DETERMINED BY THE MODIFIED GATES DYNAMIC FORMULA. ESTIMATED 145 FEET LONG.

PIERS TO BE SUPPORTED ON 12¾" DIA. X 0.375" CAST-IN-PLACE CONCRETE PILING DRIVEN TO A REQUIRED DRIVING RESISTANCE OF 210 TONS ** PER PILE AS DETERMINED BY THE MODIFIED GATES DYNAMIC FORMULA. ESTIMATED 145 FEET 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

S.T.H. 15
A.D.T. = 15,000 (2040)
R.D.S. = 60 M.P.H.

HYDRAULIC DATA

100 YEAR FREQUENCY
Q_{100} = 1390 C.F.S.
VEL. = 5.9 F.P.S.
HW_{100} = EL. 762.93
WATERWAY AREA = 235 SQ. FT.
DRAINAGE AREA = 16.5 SQ. MI.
SCOUR CRITICAL CODE = 5
ROADWAY OVERTOPPING = N/A

2 YEAR FREQUENCY
Q_2 = 340 C.F.S.
VEL. = 2.6 F.P.S.
HW_2 = EL. 761.04

LIST OF DRAWINGS

1. GENERAL PLAN
2. CROSS SECTION & QUANTITIES
3. SUBSURFACE EXPLORATION
4. WEST ABUTMENT
5. WEST ABUTMENT DETAILS
6. EAST ABUTMENT
7. EAST ABUTMENT DETAILS
8. PIER 1
9. PIER 2
10. SUPERSTRUCTURE CROSS SECTIONS 1
11. SUPERSTRUCTURE CROSS SECTIONS 2
12. SUPERSTRUCTURE DETAILS
13. SUPERSTRUCTURE PLAN & DATA
14. STRUCTURAL APPROACH SLAB
15. STRUCTURAL APPROACH SLAB DETAILS
16. SINGLE SLOPE PARAPET 32SS
17. SUPERSTRUCTURE & APPROACH SLAB BAR DETAILS

STATE PROJECT NUMBER
1146-75-71

STRUCTURE DESIGN CONTACTS:
MAX KULICK: (608) 261-6108
AARON BONK: (608) 261-0261

NO.	DATE	REVISION	BY

BUREAU OF STRUCTURES

ACCEPTED _____ CHIEF STRUCTURES DESIGN ENGINEER _____ DATE

STRUCTURE B-44-296

STH 15 WB OVER BLACK OTTER CREEK

COUNTY	TOWN
OUTAGAMIE	HORTONIA

DESIGN SPEC. AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS

DESIGNED BY	DESIGNED CK'D.	DRAWN BY	PLANS CK'D.
MJK	JRS	JPH	

GENERAL PLAN

SHEET 1 OF 17

PRE_249

APPROVED FOR DESIGN OF UTILITY ADJUSTMENTS OCTOBER 2019

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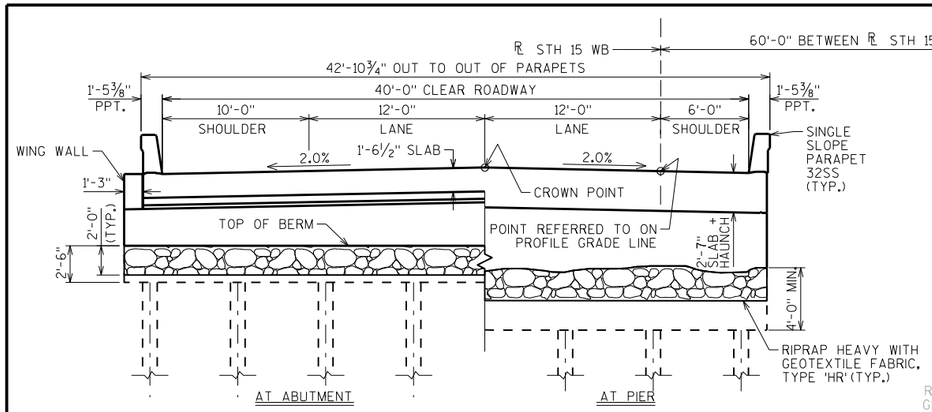
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I.D. 1146-75-00L

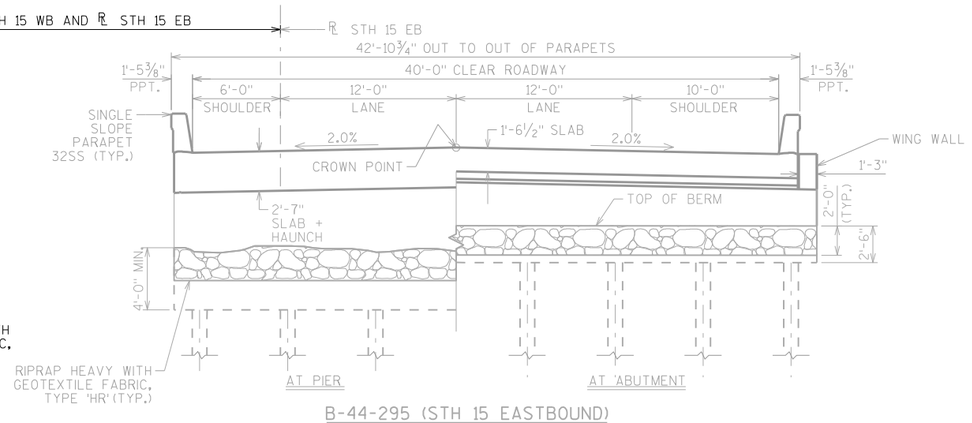
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STATE PROJECT NUMBER

1146-75-71

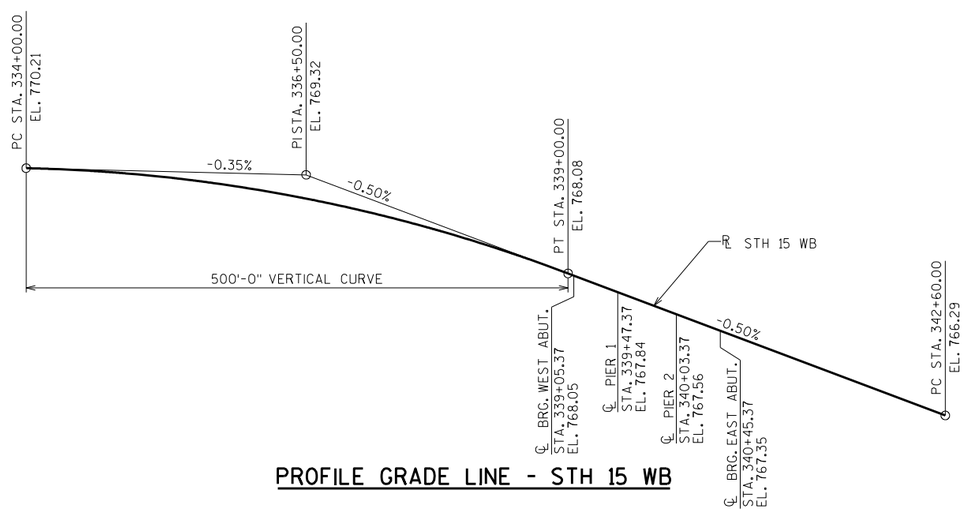


B-44-296 (STH 15 WESTBOUND)

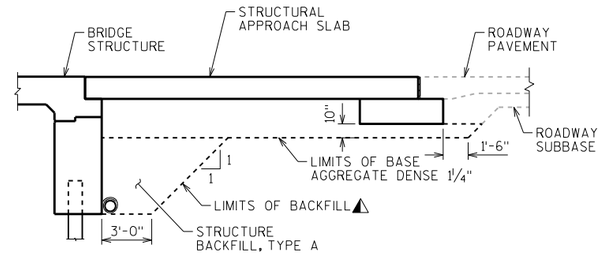


B-44-295 (STH 15 EASTBOUND)

CROSS SECTION THRU ROADWAY LOOKING EAST (UPSTATION)



PROFILE GRADE LINE - STH 15 WB



TYPICAL SECTION THRU ABUTMENT

(A1 ABUTMENT WITH STRUCTURAL APPROACH)

⚠ BACKFILL PAY LIMITS. BACKFILL BEYOND BACKFILL PAY LIMITS SHALL BE INCIDENTAL TO EXCAVATION FOR STRUCTURES. LIMITS OF EXCAVATION SHALL BE DETERMINED BY THE CONTRACTOR.

TOTAL ESTIMATED QUANTITIES

BID ITEM NUMBER	BID ITEMS	UNIT	SUPER.	WEST APPROACH	WEST ABUT.	PIER 1	PIER 2	EAST ABUT.	EAST APPROACH	TOTALS
206.1000	EXCAVATION FOR STRUCTURES BRIDGES B-44-296	LS	——	——	——	——	——	——	——	1
210.1500	BACKFILL STRUCTURE TYPE A	TON	——	——	75	——	——	75	——	150
305.0120	BASE AGGREGATE DENSE 1 1/4-INCH	TON	——	131	——	——	——	——	131	262
502.0100	CONCRETE MASONRY BRIDGES	CY	423	60					60	
502.3200	PROTECTIVE SURFACE TREATMENT	SY	655	90	——	——	——	——	90	835
502.3210	PIGMENTED SURFACE SEALER	SY	117	17	——	——	——	——	17	151
505.0400	BAR STEEL REINFORCEMENT HS STRUCTURES	LB	——	——					——	
505.0600	BAR STEEL REINFORCEMENT HS COATED STRUCTURES	LB	92,980	10,520		——	——		10,520	
505.0800.S	BAR STEEL REINFORCEMENT HS STAINLESS STRUCTURES	LB	390	——	——	——	——	——	——	390
516.0500	RUBBERIZED MEMBRANE WATERPROOFING	SY	——	——	13	——	——	13	——	26
550.2126	PILING CIP CONCRETE 12 3/4 X 0.375-INCH	LF	——	——	1,160	1,450	1,450	1,160	——	5,220
606.0300	RIPRAP HEAVY	CY	——	——	113	73	73	113	——	372
612.0406	PIPE UNDERDRAIN WRAPPED 6-INCH	LF	——	——	105	——	——	105	——	210
614.0150	ANCHOR ASSEMBLIES FOR STEEL PLATE BEAM GUARD	EACH	4	——	——	——	——	——	——	4
645.0120	GEOTEXTILE TYPE HR	SY	——	——	192	143	143	192	——	670
	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 ALL EXPOSED EDGES OF CONCRETE ¾" UNLESS NOTED OTHERWISE.

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.

THE QUANTITY FOR BACKFILL STRUCTURE IS CALCULATED BASED ON THE DETAIL SHOWN IN THE PLANS.

SLAB FALSEWORK SHALL BE SUPPORTED ON PILES OR THE SUBSTRUCTURE, UNLESS AN ALTERNATE METHOD IS APPROVED BY THE ENGINEER.

PROTECTIVE SURFACE TREATMENT TO BE APPLIED TO THE ENTIRE EXPOSED TOP OF HAUNCHED SLAB & APPROACH SLAB SURFACES AND TO THE VERTICAL AND HORIZONTAL SURFACES OF THE PAVING NOTCHES AT ABUTMENT DIAPHRAGMS.

PIGMENTED SURFACE SEALER TO BE APPLIED TO THE FRONT FACE AND THE TOP OF THE PARAPETS, INCLUDING PARAPETS ON STRUCTURAL APPROACH SLABS.

THE EXISTING STREAM BED 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 TYPE "HR" TO THE EXTENT SHOWN ON SHEET 1 AND THE ABUTMENT DETAILS.

AT ABUTMENTS AND PIER(S), CONCRETE POURED UNDER WATER WILL BE ALLOWED AND SHALL BE DONE IN ACCORDANCE WITH SECTION 502.3.5.3 OF THE STANDARD SPECIFICATIONS.

APPROVED FOR DESIGN OF UTILITY ADJUSTMENTS OCTOBER 2019

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-44-296

DRAWN BY JPH | PLANS CK'D.

CROSS SECTION & QUANTITIES

SHEET 2

PRE_250

SCALE = 5.00

8

8

BORING#	DATE COMPLETED	NORTHING (Y)	EASTING (X)
328	3/21/2014	593193	764144
330	2/20/2014	593190	764243

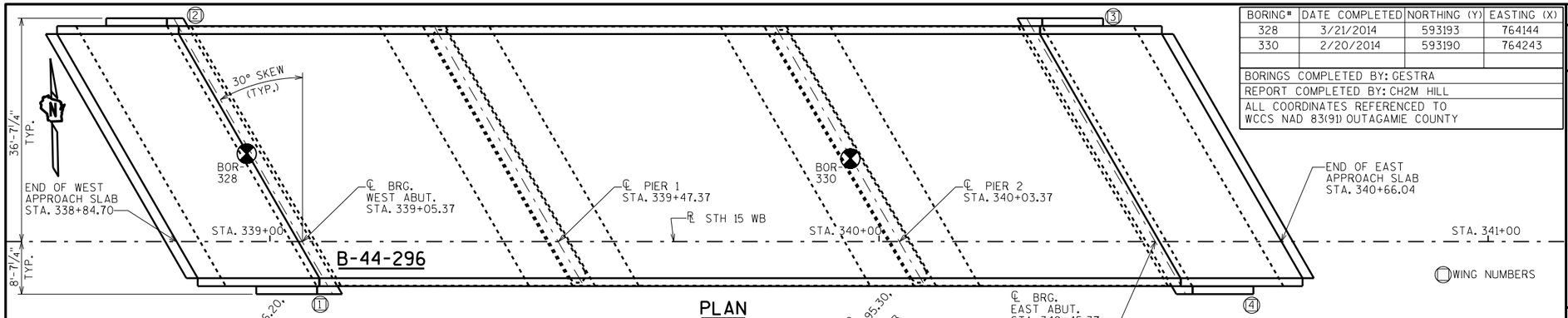
BORINGS COMPLETED BY: GESTRA
REPORT COMPLETED BY: CH2M HILL
ALL COORDINATES REFERENCED TO WCCS NAD 83(91) OUTAGAMIE COUNTY

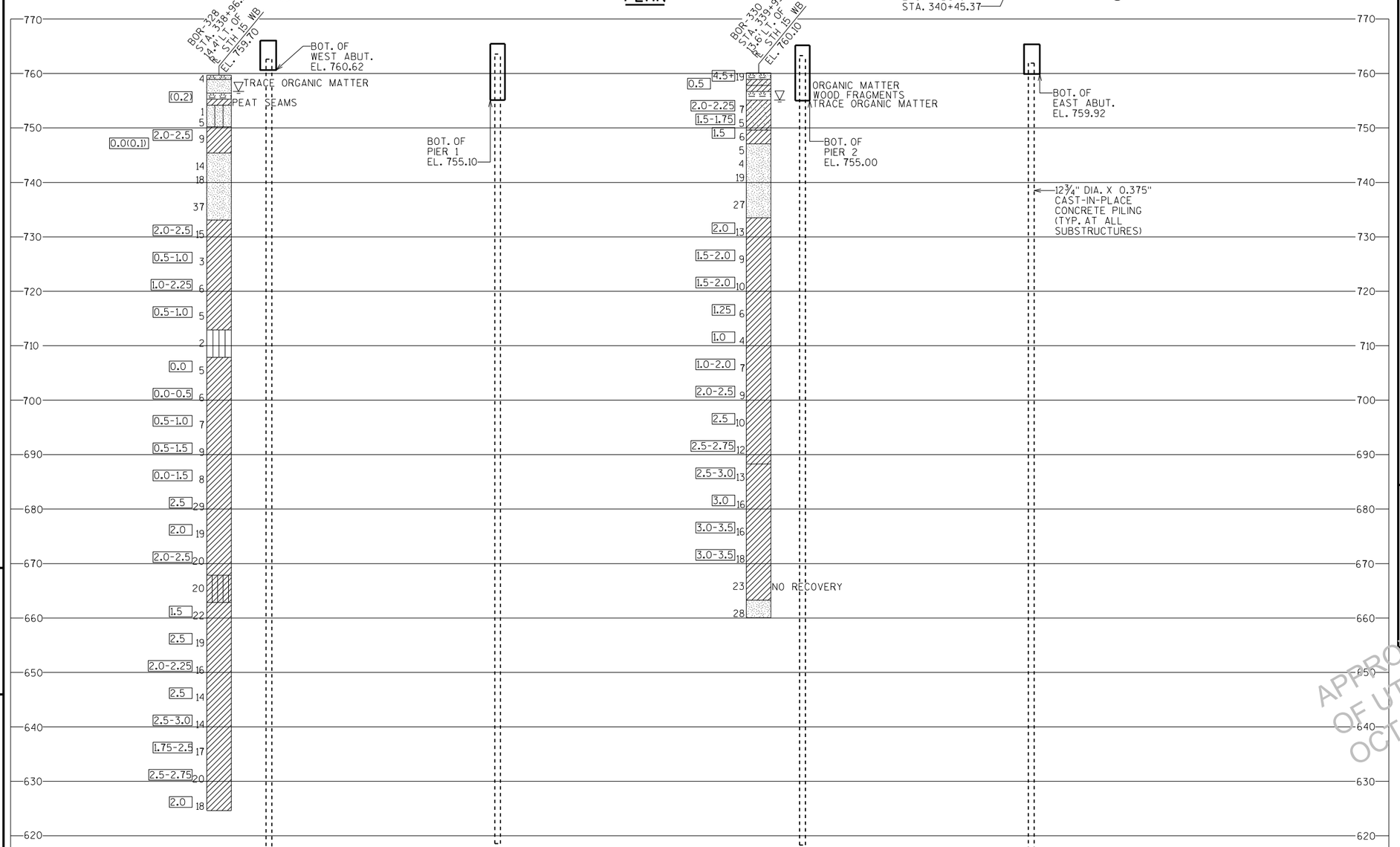
STATE PROJECT NUMBER

1146-75-71

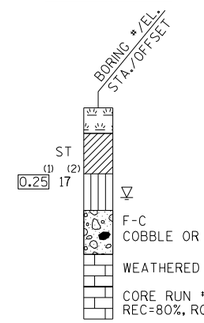
MATERIAL SYMBOLS

ASPHALT, TOPSOIL, PEAT, CONCRETE, FILL, GRAVEL, SAND, CLAY, SILT, BOULDERS OR COBBLES, LIMESTONE, BEDROCK (UNKNOWN), SHALE, SANDSTONE, IGNEOUS/META





LEGEND OF BORING



(1) UNCONFINED STRENGTH, AS DETERMINED BY A POCKET PENETROMETER (TSF)

(2) UNLESS OTHERWISE, SPECIFIED THE SPT 'N' VALUE IS BASED ON AASHTO T-206, STANDARD PENETRATION TEST. THE SPT 'N' VALUE PRESENTED HAS NOT BEEN CORRECTED FOR OVERBURDEN PRESSURE OR HAMMER EFFICIENCY.

GROUND WATER ELEVATION

▽ AT TIME OF DRILLING
▼ END OF DRILLING
▽ AFTER DRILLING

ABBREVIATIONS

F-FINE M-MEDIUM C-COARSE ST-SHELBY TUBE

SUBSURFACE EXPLORATION FOR FOUNDATION DESIGN AND BIDDERS INFORMATION

BORINGS WERE COMPLETED AT POINTS APPROXIMATELY AS INDICATED ON THIS DRAWING TO OBTAIN INFORMATION CONCERNING THE CHARACTER OF SUBSURFACE MATERIALS FOUND AT THE SITE. BECAUSE THE INVESTIGATED DEPTHS ARE LIMITED AND THE AREA OF THE BORINGS IS VERY SMALL IN RELATION TO THE ENTIRE SITE, THE WISCONSIN DEPARTMENT OF TRANSPORTATION DOES NOT WARRANT SIMILAR SUBSURFACE CONDITIONS BELOW, BETWEEN, OR BEYOND THESE BORINGS. VARIATIONS IN SOIL CONDITIONS SHOULD BE EXPECTED AND FLUCTUATIONS IN GROUNDWATER LEVELS MAY OCCUR.

APPROVED FOR PUBLIC RELEASE
OF UTILITY ACCOMMODATION
OCTOBER 2019

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-44-296

DRAWN BY JPH | PLANS CK'D.

SUBSURFACE EXPLORATION

SHEET 3

PRE_251

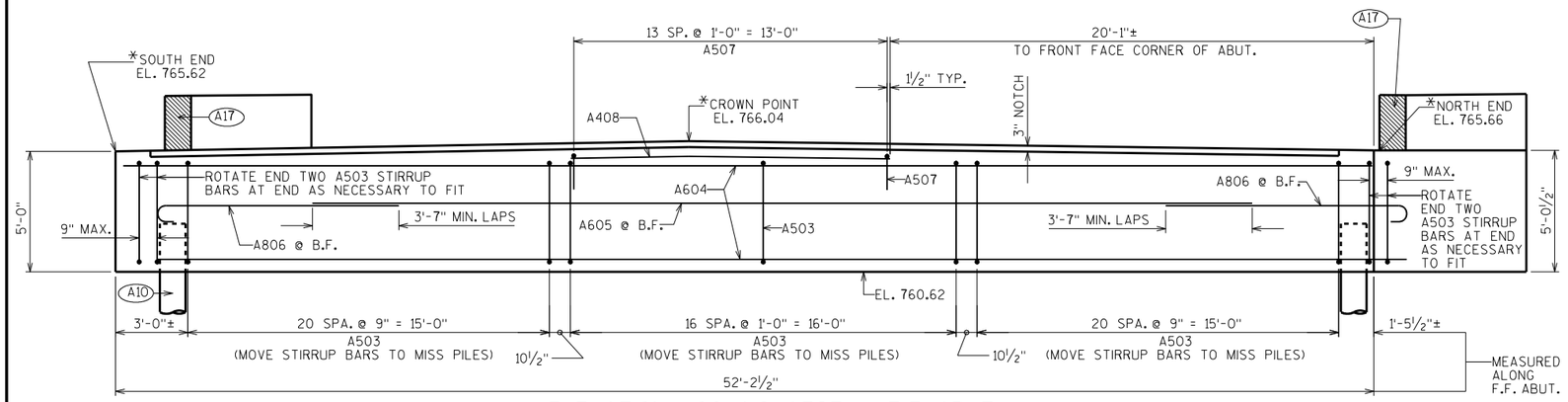
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STATE PROJECT NUMBER

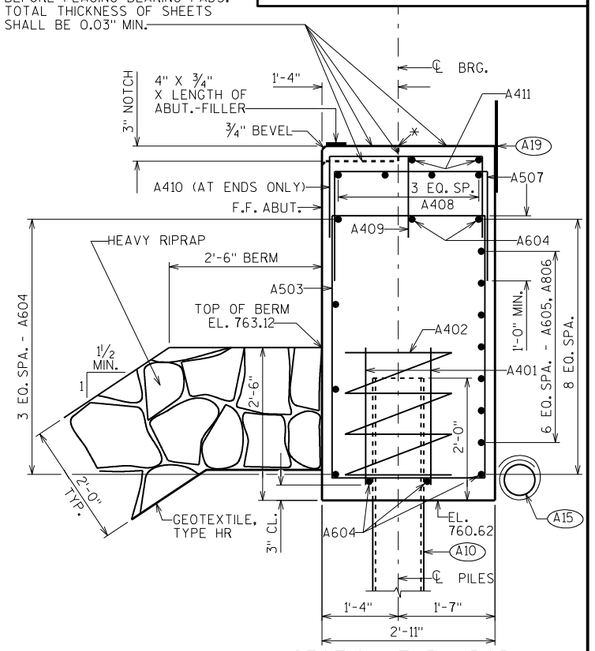
1146-75-71



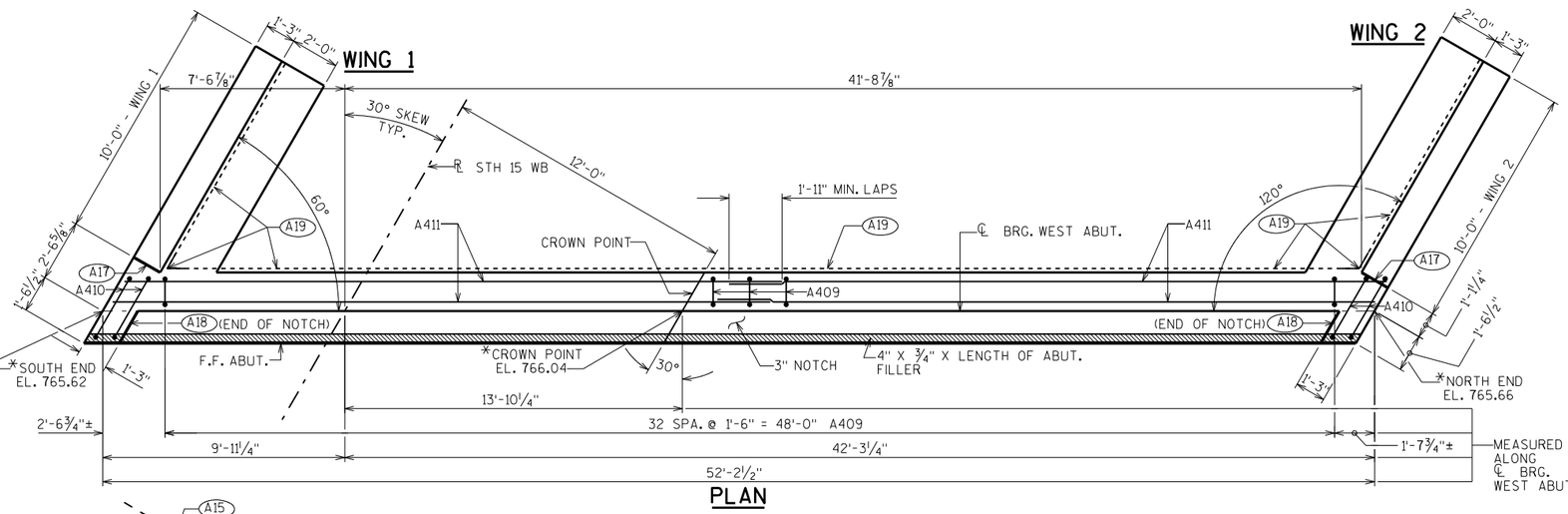
ELEVATION LOOKING WEST @ F.F. ABUT.

*TOP OF ABUT. ELEVATIONS ARE GIVEN HERE AT ℄ BRG. WEST ABUT.

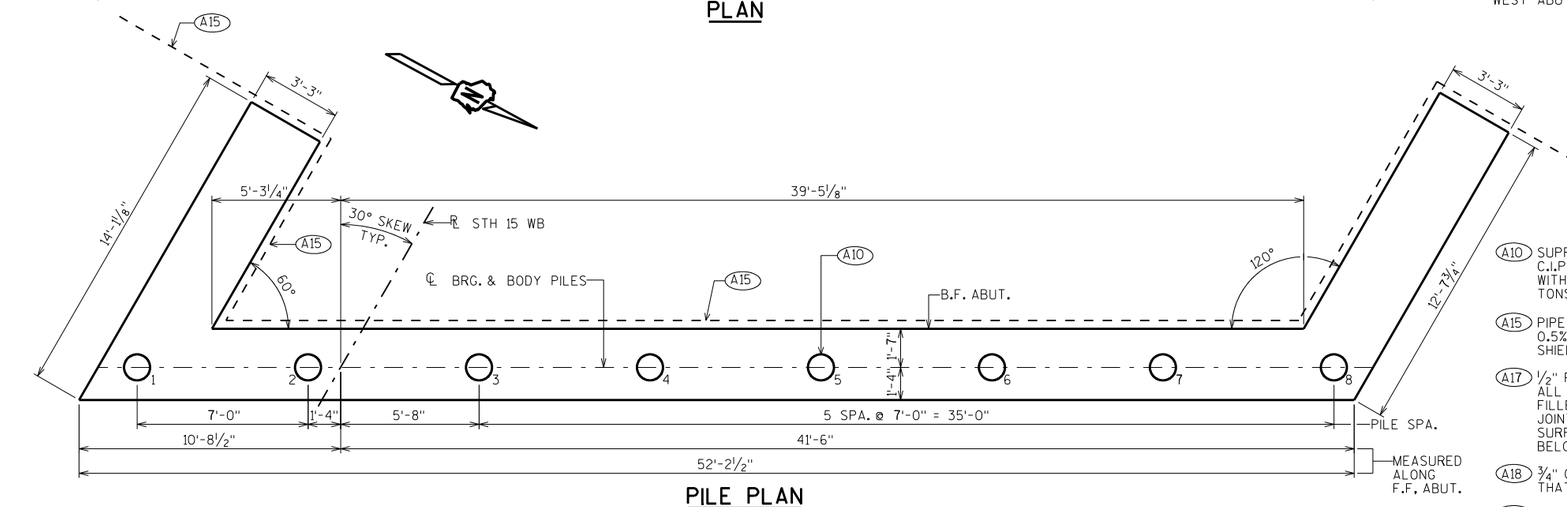
STEEL TROWEL TOP SURFACE OF ABUTMENT. PLACE MULTIPLE LAYERS OF POLYETHYLENE SHEETS OVER ENTIRE ABUTMENT TOP BEFORE PLACING BEARING PADS. TOTAL THICKNESS OF SHEETS SHALL BE 0.03" MIN.



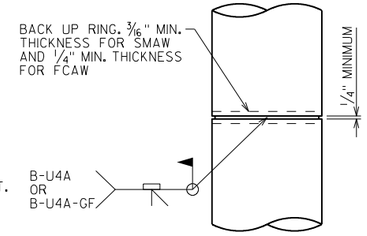
SECTION THRU BODY



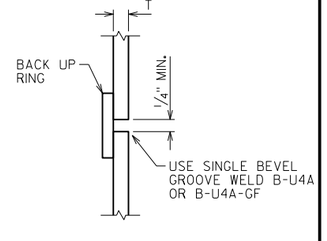
PLAN



PILE PLAN



CAST-IN-PLACE 'PIPE PILE'



C.I.P. PILE WELD DETAIL

PILE DETAILS

A10 SUPPORT ABUTMENT ON 12¾" DIA. X 0.375" C.I.P. CONCRETE PILING, ESTIMATED 145'-0" LONG WITH A REQUIRED DRIVING RESISTANCE OF 170 TONS PER PILE.

A15 PIPE UNDERDRAIN WRAPPED (6-INCH) SLOPE 0.5% MIN. TO SUITABLE DRAINAGE. RODENT SHIELD REQUIRED.

A17 ½" FILLER (INCLUDED IN WING LENGTH); SEAL ALL EXPOSED HORIZ. & VERT. SURFACES OF ½" FILLER WITH NON-STAINING, GRAY, NON-BITUMINOUS JOINT SEALER. (1" DEEP AND HOLD ⅛" BELOW SURFACE OF CONCRETE). EXTEND SEALER 3" BELOW GUTTER LINE AT INSIDE FACE.

A18 ¾" CORK FILLER UP VERT. NOTCH FACES THAT RUN PARALLEL WITH "℄ STH 15 WB".

A19 18" (RMW) RUBBERIZED MEMBRANE WATERPROOFING SEAL ALL HORIZ. & VERT. JOINTS AT BACKFACE.

APPROVED FOR DESIGN
ONLY
UTILITY ADJUSTMENTS
OCTOBER 2019

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-44-296

DRAWN BY JPH | PLANS CK'D.

WEST ABUTMENT

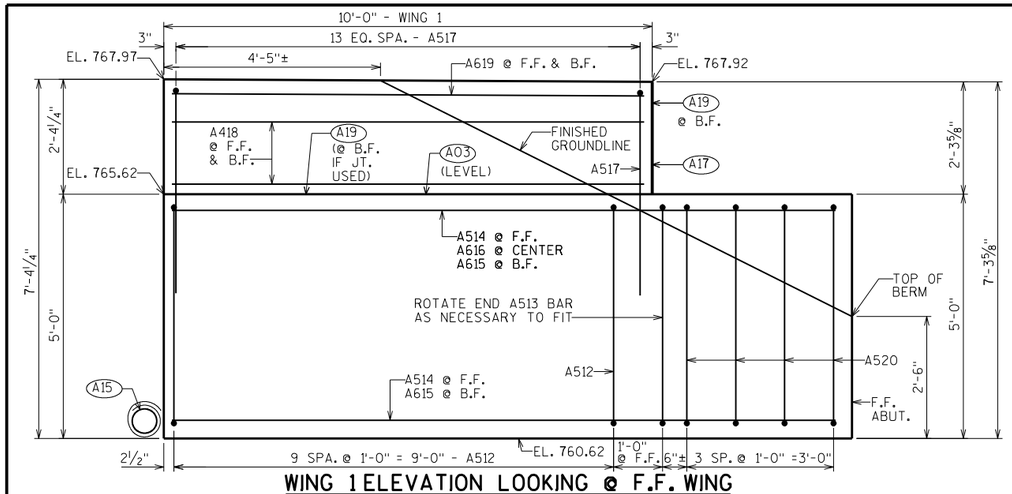
SHEET 4

PRE_252

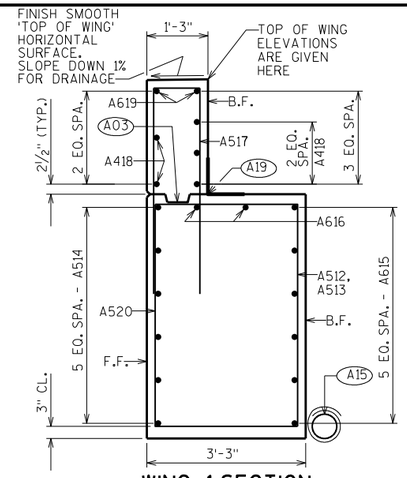
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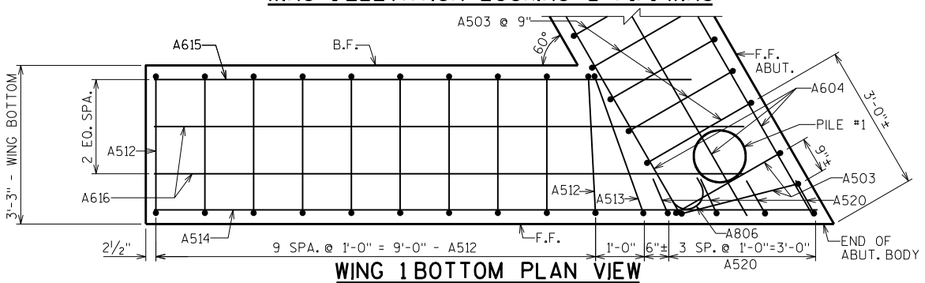
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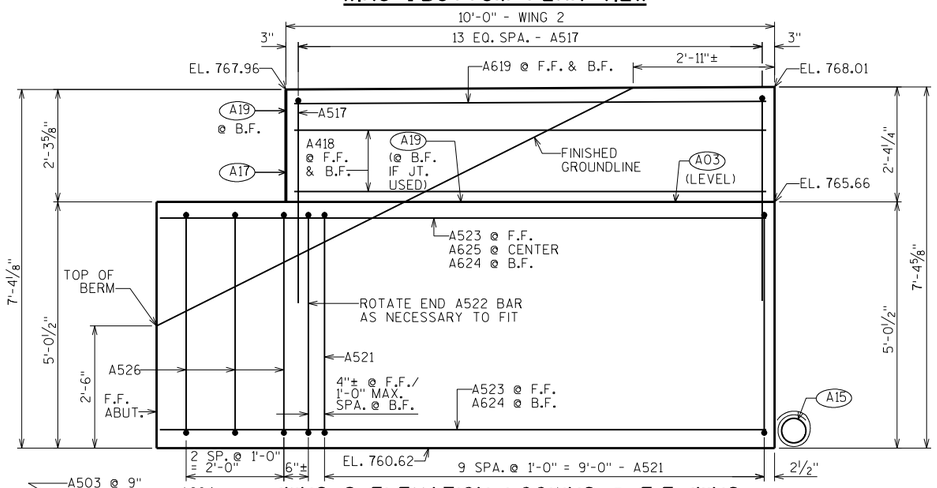
WING 1 ELEVATION LOOKING @ F.F. WING



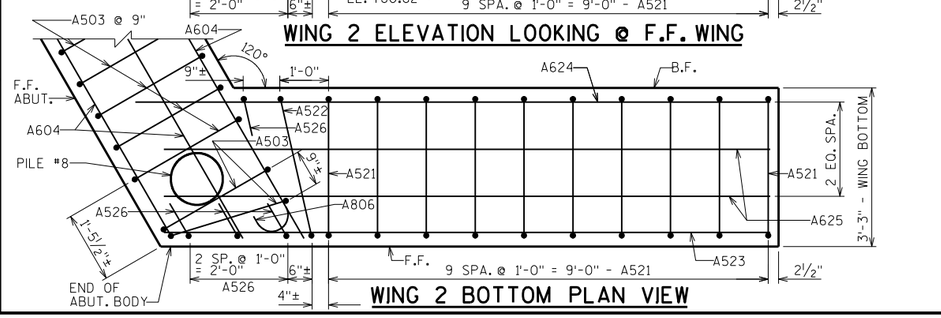
WING 1 SECTION



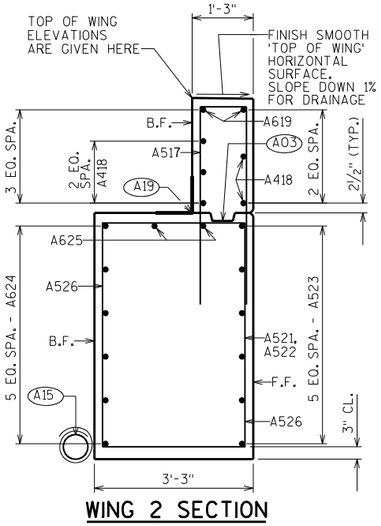
WING 1 BOTTOM PLAN VIEW



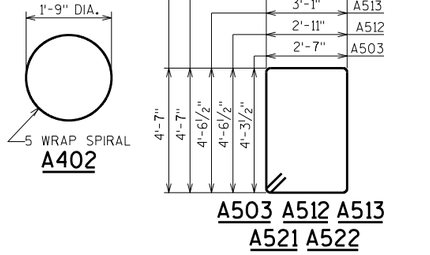
WING 2 ELEVATION LOOKING @ F.F. WING

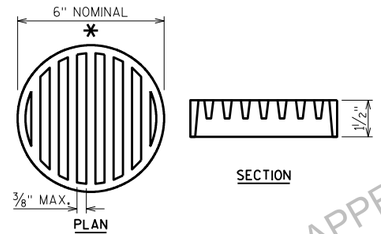


WING 2 BOTTOM PLAN VIEW



WING 2 SECTION





RODENT SHIELD DETAIL

* DIMENSIONS ARE APPROXIMATE. THE GRATE IS SIZED TO FIT INTO A PIPE COUPLING. ORIENT SO SLOTS ARE VERTICAL.

THE RODENT SHIELD, PIPE COUPLING AND SCREWS SHALL BE CONSIDERED INCIDENTAL TO THE BID ITEM "PIPE UNDERDRAIN WRAPPED 6-INCH".

THE RODENT SHIELD SHALL BE A PVC GRATE SIMILAR TO THIS DETAIL. THE GRATE IS COMMERCIALLY AVAILABLE AS A FLOOR STRAINER. A PIPE COUPLING IS REQUIRED FOR THE ATTACHMENT OF THIS SHIELD TO THE EXPOSED END OF THE PIPE UNDERDRAIN. THE SHIELD SHALL BE FASTENED TO THE PIPE COUPLING WITH TWO OR MORE NO. 10 X 1-INCH STAINLESS STEEL SHEET METAL SCREWS.

STATE PROJECT NUMBER

1146-75-71

BILL OF BARS

NOTE: THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE.

BAR MARK	COAT	NO. REQ'D.	LENGTH	BENT	LOCATION
A401		16	2'-3"		BODY-BOT.-2 PER BODY PILE-VERT.
A402		8	28'-0"	X	BODY-BOT.-SPIRAL-1 PER BODY PILE-VERT.
A503		63	14'-5"	X	BODY-STIRRUPS-VERT.
A604		9	51'-9"		BODY-HORIZONTAL-END TO END
A605		7	39'-0"		BODY-HORIZONTAL-B.F.-AT CENTER
A806		14	10'-11"	X	BODY-HORIZONTAL-B.F.-AT BOTH ENDS
A507		14	5'-2"	X	BODY-TOP-VERT.-UNDER NOTCH
A408		4	13'-3"		BODY-TOP-HORIZ.-UNDER NOTCH
A409		33	3'-9"	X	BODY-TOP-VERT.-ALONG NOTCH
A410		4	5'-6"	X	BODY-TOP-VERT.-AT ENDS ONLY
A411		4	27'-0"		BODY-TOP-HORIZ.-END TO END
A512	X	10	15'-7"	X	WING 1-BOT.-STIRRUP-VERT.
A513	X	1	15'-11"	X	WING 1-BOT.-STIRRUP-VERT.
A514	X	6	13'-7"		WING 1-BOT.-HORIZONTAL-F.F.
A615	X	6	11'-0"		WING 1-BOT.-HORIZONTAL-B.F.
A616	X	2	12'-1"		WING 1-BOT.-HORIZONTAL-CENTER
A517	X	28	9'-1"	X	WINGS 1&2-TOP-VERTICAL
A418	X	10	9'-8"		WINGS 1&2-TOP-HORIZONTAL-B.F. & F.F.
A619	X	4	9'-8"		WINGS 1&2-TOP-HORIZONTAL-B.F. & F.F.
A520	X	4	6'-0"	X	WING 1/BODY END-BOT.-VERT.-F.F.
A521	X	10	15'-8"	X	WING 2-BOT.-STIRRUP-VERT.
A522	X	1	15'-10"	X	WING 2-BOT.-STIRRUP-VERT.
A523	X	6	12'-5"		WING 2-BOT.-HORIZONTAL-F.F.
A624	X	6	13'-0"		WING 2-BOT.-HORIZONTAL-B.F.
A625	X	2	12'-5"		WING 2-BOT.-HORIZONTAL-CENTER
A526	X	4	6'-0"	X	WING 2/BODY END-BOT.-VERT.-F.F. & B.F.

(A03) OPTIONAL CONST. JOINT: KEYWAY FORMED BY BEVELED 2" x 6". (18" RMW @ B.F. & ¾" "V" GROOVE @ F.F. IF JOINT IS USED).

(A15) PIPE UNDERDRAIN WRAPPED 6-INCH. SLOPE 0.5% MIN. TO SUITABLE DRAINAGE. RODENT SHIELD REQUIRED.

(A17) ½" FILLER (INCLUDED IN WING LENGTH): SEAL ALL EXPOSED HORIZ. & VERT. SURFACES OF ½" FILLER WITH NON-STAINING, GRAY, NON-BITUMINOUS JOINT SEALER. (1" DEEP AND HOLD ⅛" BELOW SURFACE OF CONCRETE). EXTEND SEALER 3" BELOW GUTTER LINE AT INSIDE FACE.

(A19) 18" (RMW) RUBBERIZED MEMBRANE WATERPROOFING SEAL ALL HORIZ. & VERT. JOINTS AT BACKFACE.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-44-296

DRAWN BY JPH | PLANS CK'D.

WEST ABUTMENT DETAILS

SHEET 5

PRE_253

APPROVED FOR DESIGN
OF UTILITY AND DEVELOPMENTS
OCTOBER 2019

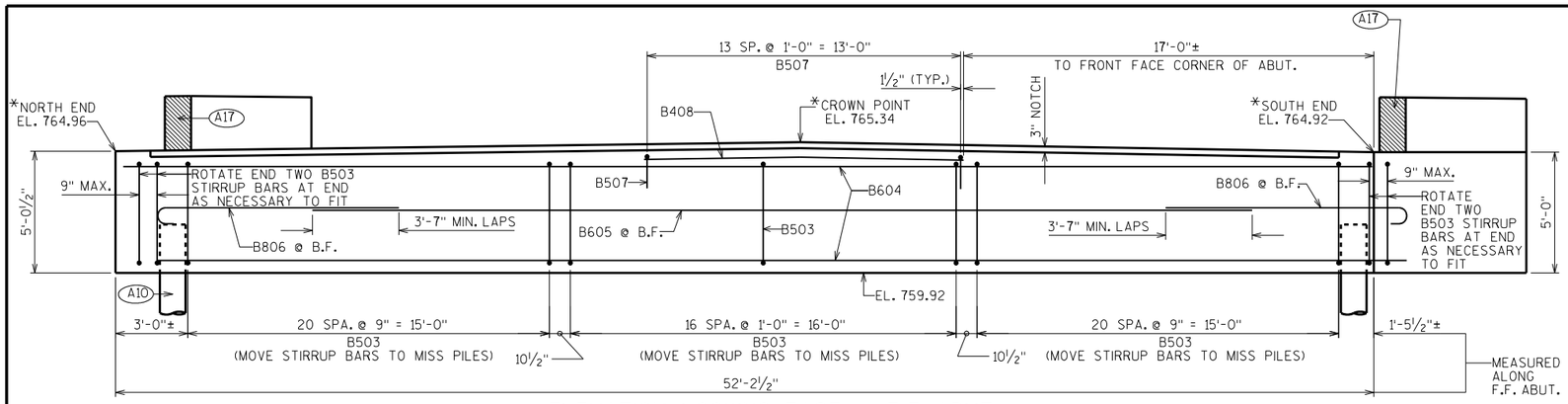
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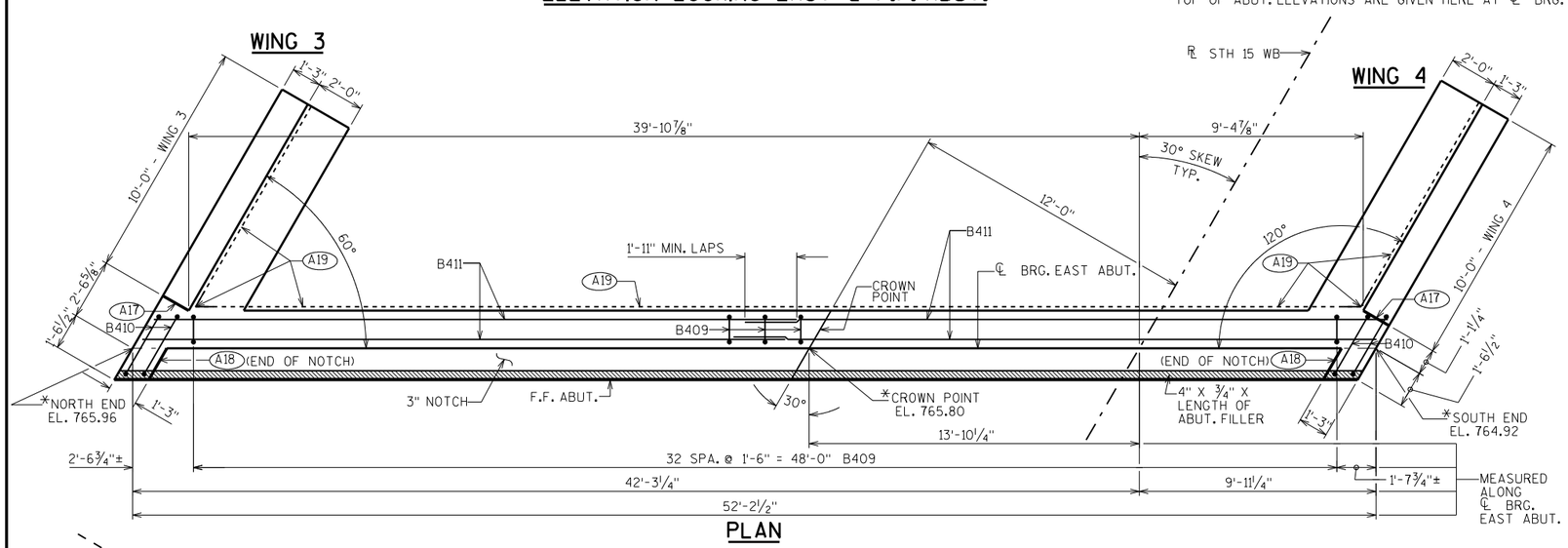
STATE PROJECT NUMBER

1146-75-71

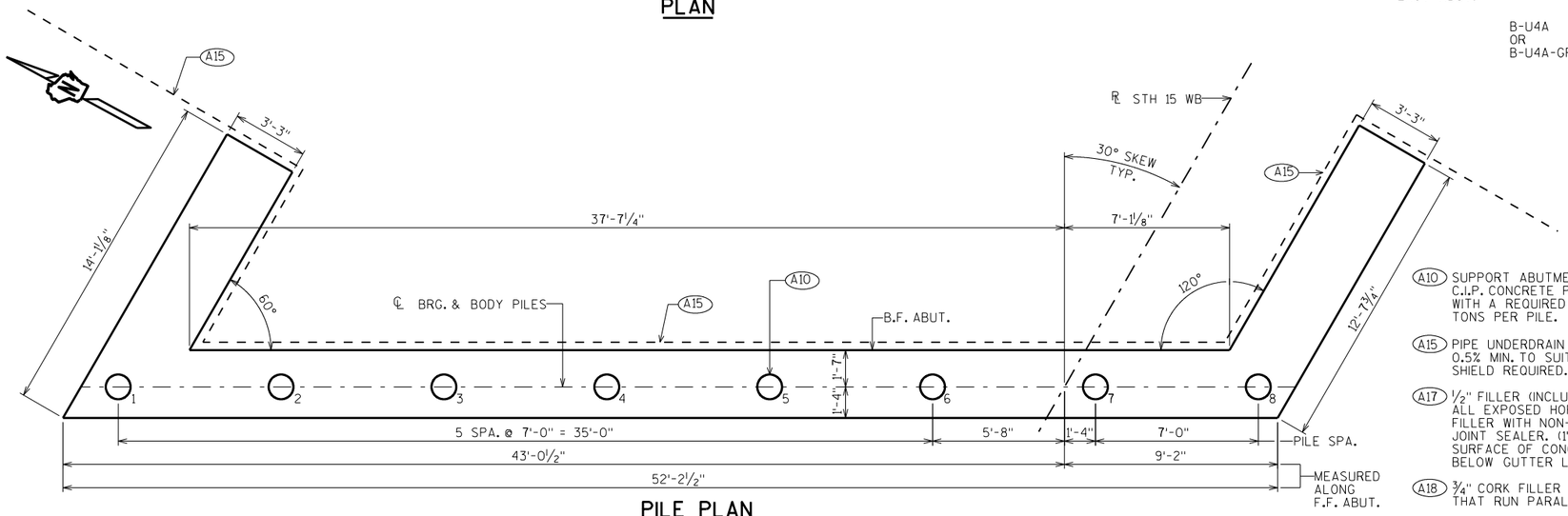


ELEVATION LOOKING EAST @ F.F. ABUT.

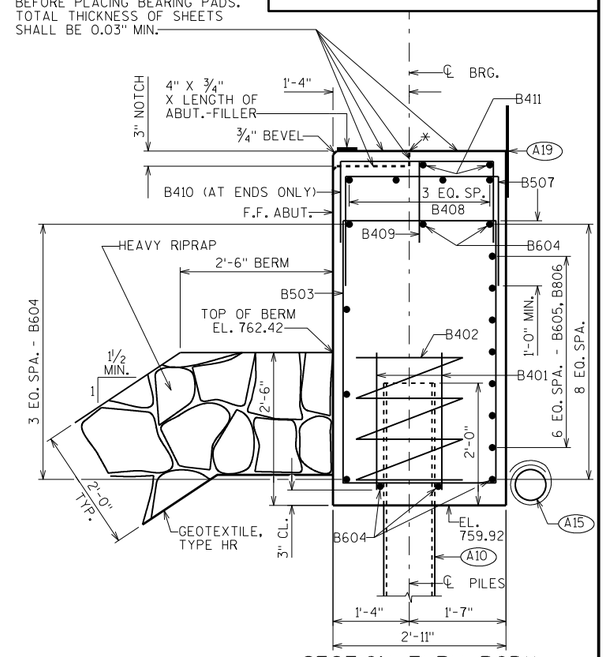
*TOP OF ABUT. ELEVATIONS ARE GIVEN HERE AT ℄ BRG. EAST ABUT.



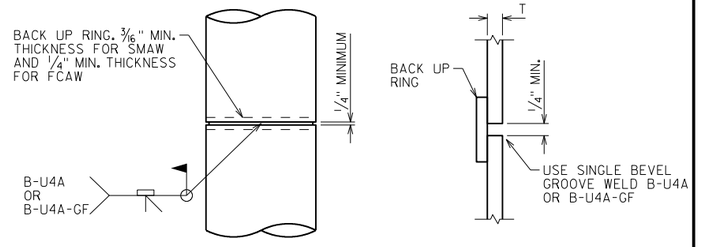
PLAN



PILE PLAN



SECTION THRU BODY



CAST-IN-PLACE 'PIPE PILE'

C.I.P. PILE WELD DETAIL

PILE DETAILS

A10 SUPPORT ABUTMENT ON 12¾" DIA. X 0.375" C.I.P. CONCRETE PILING, ESTIMATED 145'-0 LONG WITH A REQUIRED DRIVING RESISTANCE OF 170 TONS PER PILE.

A15 PIPE UNDERDRAIN WRAPPED (6-INCH) SLOPE 0.5% MIN. TO SUITABLE DRAINAGE. RODENT SHIELD REQUIRED.

A17 ½" FILLER (INCLUDED IN WING LENGTH); SEAL ALL EXPOSED HORIZ. & VERT. SURFACES OF ½" FILLER WITH NON-STAINING, GRAY, NON-BITUMINOUS JOINT SEALER. (1" DEEP AND HOLD ⅛" BELOW SURFACE OF CONCRETE). EXTEND SEALER 3" BELOW GUTTER LINE AT INSIDE FACE.

A18 ¾" CORK FILLER UP VERT. NOTCH FACES THAT RUN PARALLEL WITH "℄ STH 15 WB".

A19 18" (RMW) RUBBERIZED MEMBRANE WATERPROOFING SEAL ALL HORIZ. & VERT. JOINTS AT BACKFACE.

APPROVED FOR DESIGN
ONLY
UTILITY ADJUSTMENTS
OCTOBER 2019

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-44-296

DRAWN BY	PLANS CK'D.
JPH	

SHEET 6

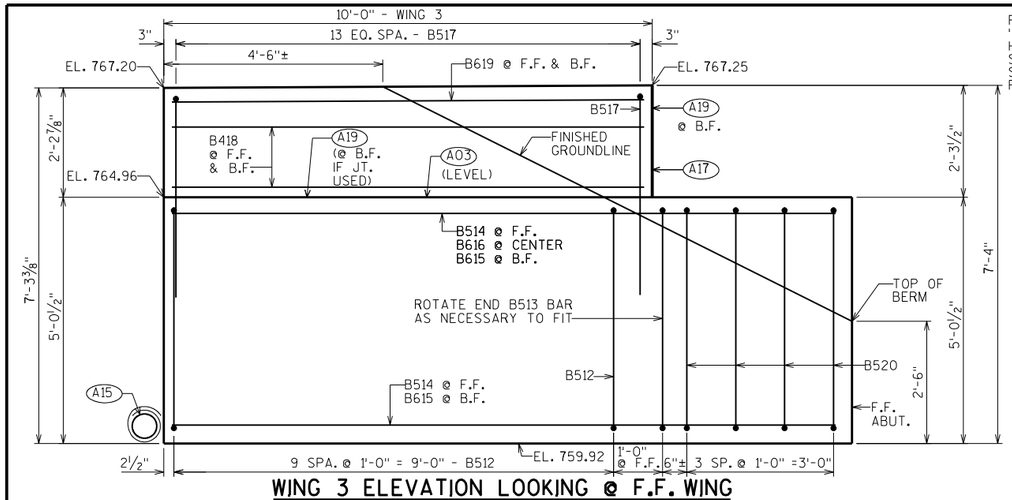
EAST ABUTMENT

PRE_254

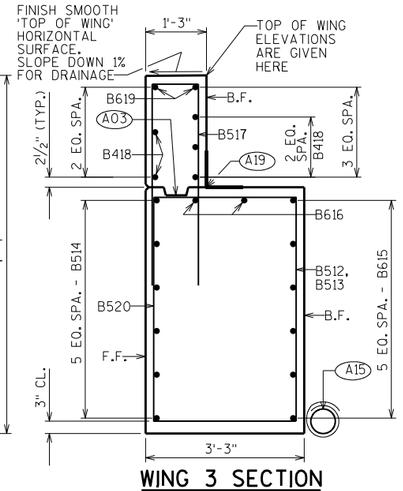
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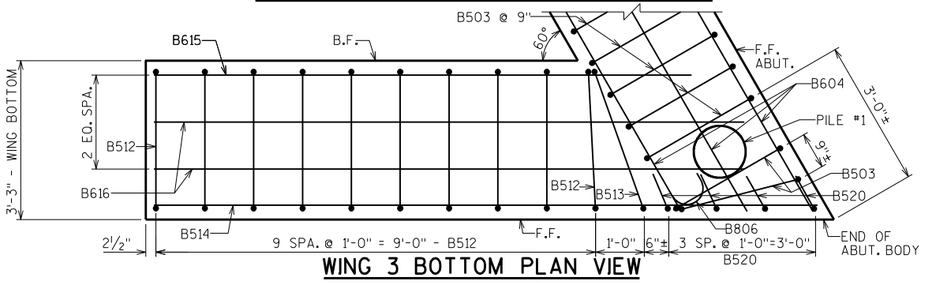
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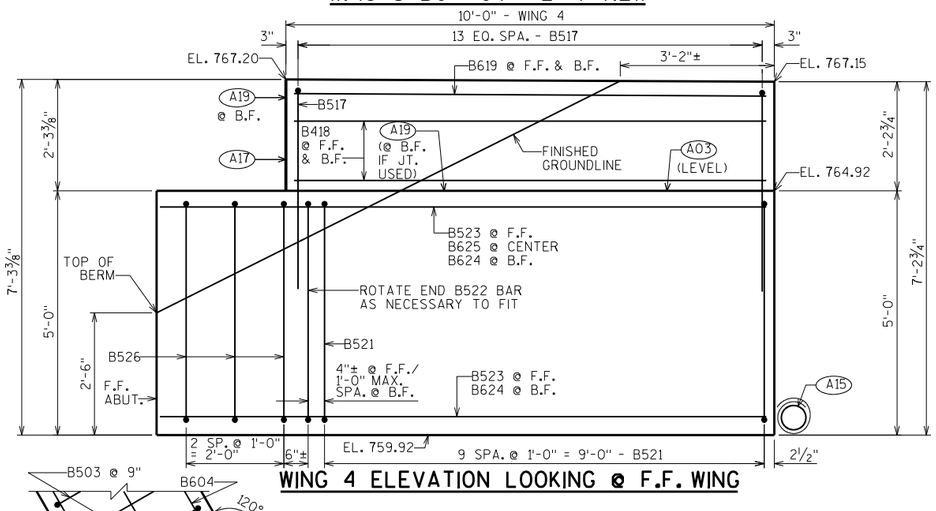
WING 3 ELEVATION LOOKING @ F.F. WING



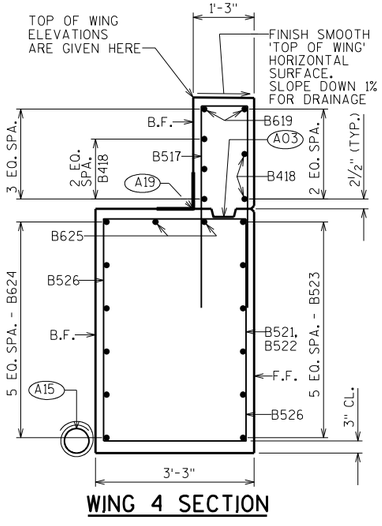
WING 3 SECTION



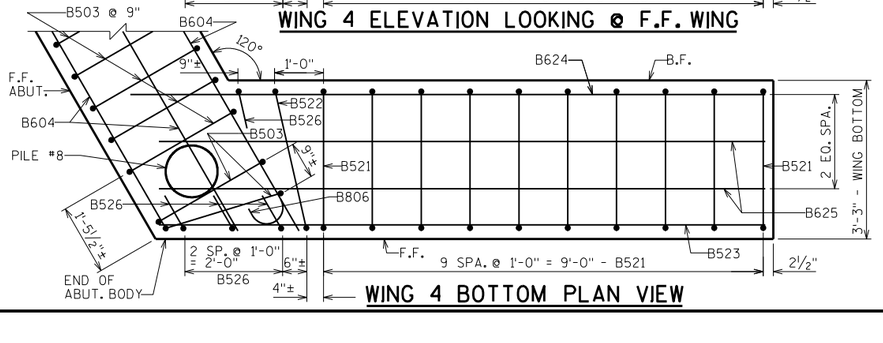
WING 3 BOTTOM PLAN VIEW



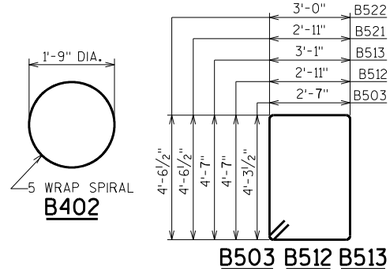
WING 4 ELEVATION LOOKING @ F.F. WING



WING 4 SECTION

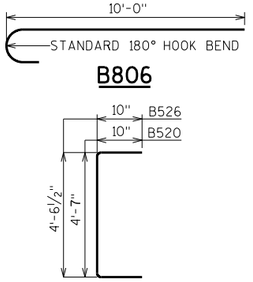


WING 4 BOTTOM PLAN VIEW



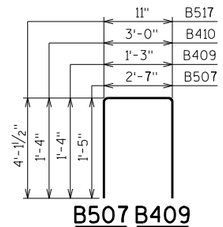
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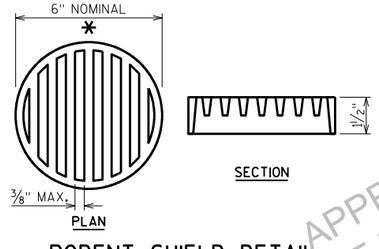


B806

B520 B526



B507 B409
B410 B517



RODENT SHIELD DETAIL

* DIMENSIONS ARE APPROXIMATE. THE GRATE IS SIZED TO FIT INTO A PIPE COUPLING. ORIENT SO SLOTS ARE VERTICAL.

THE RODENT SHIELD, PIPE COUPLING AND SCREWS SHALL BE CONSIDERED INCIDENTAL TO THE BID ITEM "PIPE UNDERDRAIN WRAPPED 6-INCH".

THE RODENT SHIELD SHALL BE A PVC GRATE SIMILAR TO THIS DETAIL. THE GRATE IS COMMERCIALLY AVAILABLE AS A FLOOR STRAINER. A PIPE COUPLING IS REQUIRED FOR THE ATTACHMENT OF THIS SHIELD TO THE EXPOSED END OF THE PIPE UNDERDRAIN. THE SHIELD SHALL BE FASTENED TO THE PIPE COUPLING WITH TWO OR MORE NO. 10 X 1-INCH STAINLESS STEEL SHEET METAL SCREWS.

STATE PROJECT NUMBER

1146-75-71

BILL OF BARS

NOTE: THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE.

BAR MARK	COAT	NO. REQ'D.	LENGTH	BENT	LOCATION
B401		16	2'-3"		BODY-BOT.-2 PER BODY PILE-VERT.
B402		8	28'-0"	X	BODY-BOT.-SPIRAL-1 PER BODY PILE-VERT.
B503		63	14'-5"	X	BODY-STIRRUPS-VERT.
B604		9	51'-9"		BODY-HORIZONTAL-END TO END
B605		7	39'-0"		BODY-HORIZONTAL-B.F.-AT CENTER
B806		14	10'-11"	X	BODY-HORIZONTAL-B.F.-AT BOTH ENDS
B507		14	5'-2"	X	BODY-TOP-VERT.-UNDER NOTCH
B408		4	13'-3"		BODY-TOP-HORIZ.-UNDER NOTCH
B409		33	3'-9"	X	BODY-TOP-VERT.-ALONG NOTCH
B410		4	5'-6"	X	BODY-TOP-VERT.-AT ENDS ONLY
B411		4	27'-0"		BODY-TOP-HORIZ.-END TO END
B512	X	10	15'-8"	X	WING 3-BOT.-STIRRUP-VERT.
B513	X	1	16'-0"	X	WING 3-BOT.-STIRRUP-VERT.
B514	X	6	13'-7"		WING 3-BOT.-HORIZONTAL-F.F.
B615	X	6	11'-0"		WING 3-BOT.-HORIZONTAL-B.F.
B616	X	2	12'-1"		WING 3-BOT.-HORIZONTAL-CENTER
B517	X	28	8'-11"	X	WINGS 3&4-TOP-VERTICAL
B418	X	10	9'-8"		WINGS 3&4-TOP-HORIZONTAL-B.F. & F.F.
B619	X	4	9'-8"		WINGS 3&4-TOP-HORIZONTAL-B.F. & F.F.
B520	X	4	6'-0"	X	WING 3/BODY END-BOT.-VERT.-F.F.
B521	X	10	15'-7"	X	WING 4-BOT.-STIRRUP-VERT.
B522	X	1	15'-9"	X	WING 4-BOT.-STIRRUP-VERT.
B523	X	6	12'-5"		WING 4-BOT.-HORIZONTAL-F.F.
B624	X	6	13'-0"		WING 4-BOT.-HORIZONTAL-B.F.
B625	X	2	12'-5"		WING 4-BOT.-HORIZONTAL-CENTER
B526	X	4	6'-0"	X	WING 4/BODY END-BOT.-VERT.-F.F. & B.F.

(A03) OPTIONAL CONST. JOINT: KEYWAY FORMED BY BEVELED 2" x 6". (18" RMW @ B.F. & ¾" "V" GROOVE @ F.F. IF JOINT IS USED).

(A15) PIPE UNDERDRAIN WRAPPED 6-INCH. SLOPE 0.5% MIN. TO SUITABLE DRAINAGE. RODENT SHIELD REQUIRED.

(A17) ½" FILLER (INCLUDED IN WING LENGTH): SEAL ALL EXPOSED HORIZ. & VERT. SURFACES OF ½" FILLER WITH NON-STAINING, GRAY, NON-BITUMINOUS JOINT SEALER, (1) DEEP AND HOLD ⅛" BELOW SURFACE OF CONCRETE). EXTEND SEALER 3" BELOW GUTTER LINE AT INSIDE FACE.

(A19) 18" (RMW) RUBBERIZED MEMBRANE WATERPROOFING SEAL ALL HORIZ. & VERT. JOINTS AT BACKFACE.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-44-296

DRAWN BY JPH | PLANS CK'D.

EAST ABUTMENT DETAILS

SHEET 7

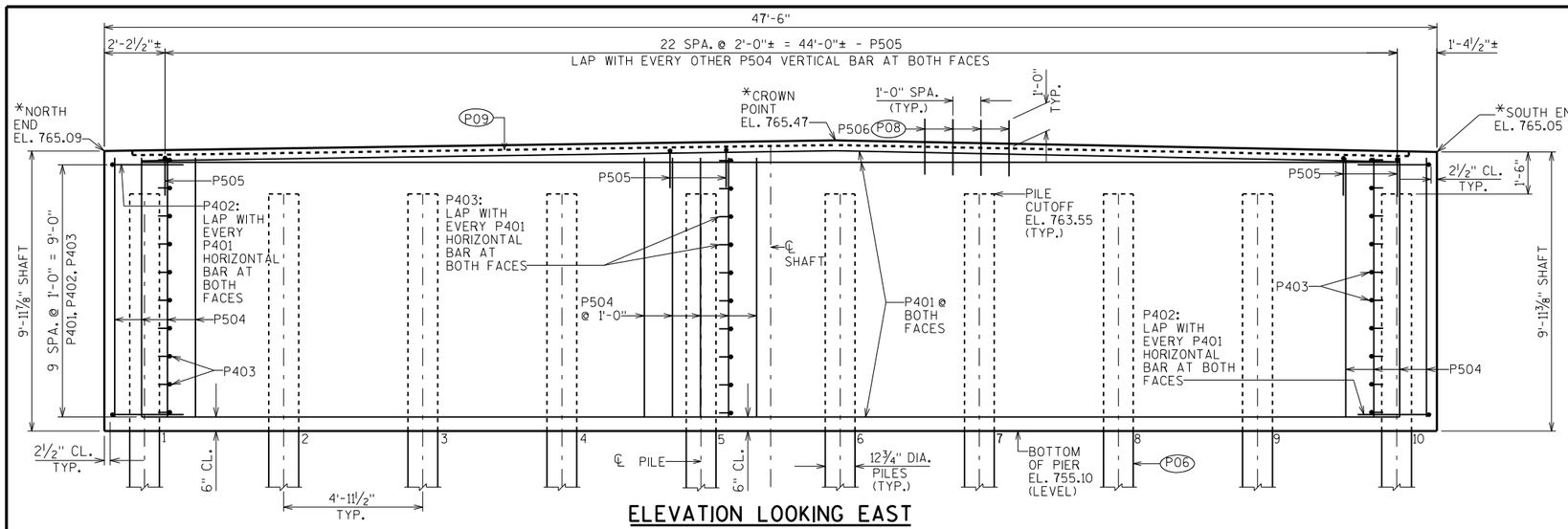
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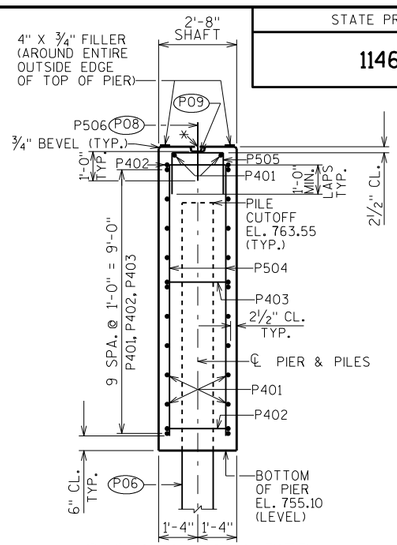
APPROVED FOR DESIGN OF UTILITY AGREEMENTS OCTOBER 2019

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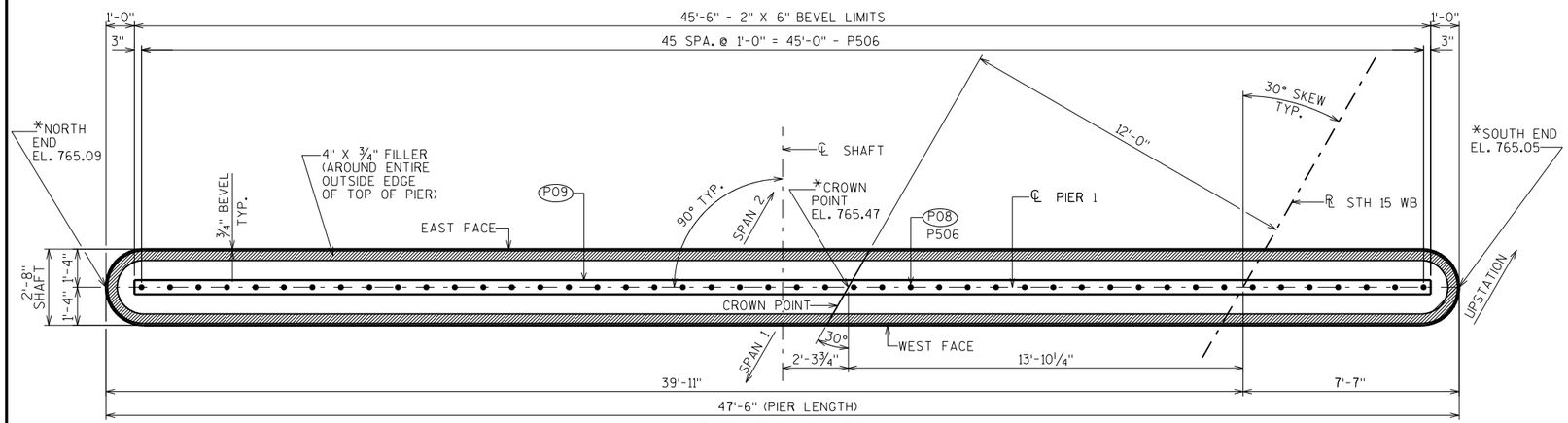


ELEVATION LOOKING EAST

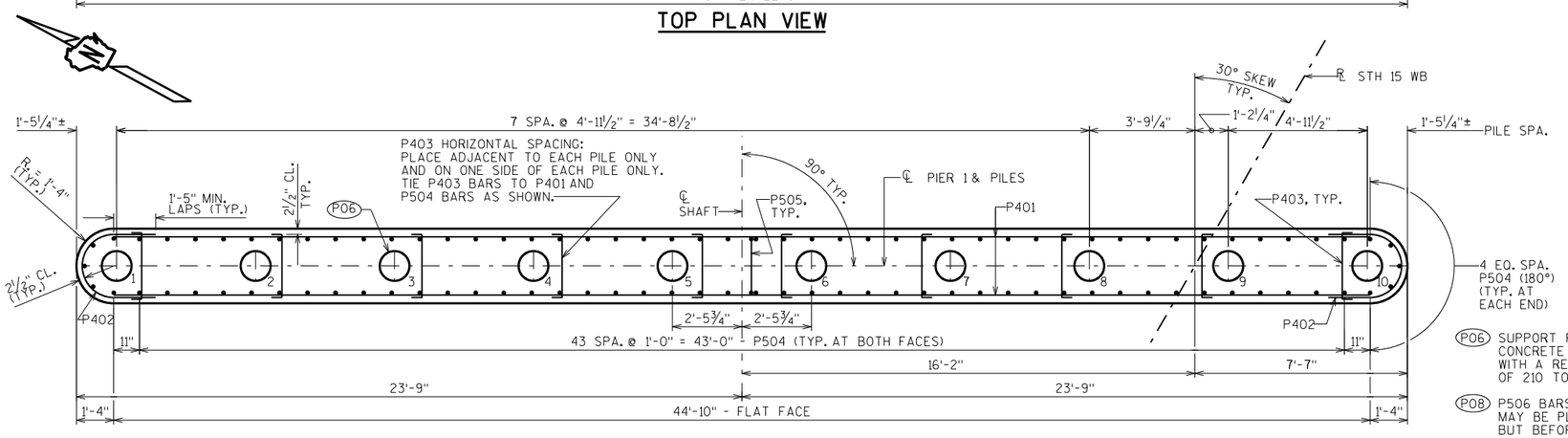


SECTION THRU PIER

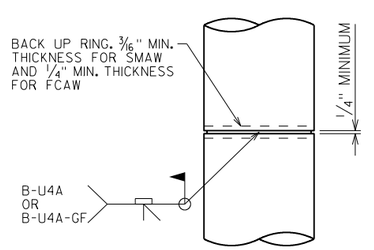
*TOP OF PIER SHAFT ELEVATIONS ARE GIVEN HERE AT THE ℄ PIER 1



TOP PLAN VIEW



PILE & REINFORCEMENT PLAN



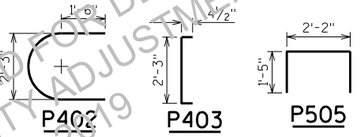
CAST-IN-PLACE 'PIPE PILE' C.I.P. PILE WELD DETAIL

PILE DETAILS

BILL OF BARS

NOTE: THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE

BAR MARK	COAT	NO. REQ'D.	LENGTH	BENT	LOCATION
P401		22	44'-10"		SHAFT-HORIZ.-AT BOTH FACES
P402		20	6'-6"	X	SHAFT-HORIZ.-AT BOTH ENDS
P403		100	2'-10"	X	SHAFT-HORIZ.-AT EACH PILE
P504		98	9'-3"		SHAFT-VERT.-AT BOTH FACES
P505		23	4'-9"	X	SHAFT-VERT.-TOP
P506		46	2'-0"		SHAFT-VERT.-TOP-CENTER



P06 SUPPORT PIER ON 12¾" DIA. X 0.375" C.I.P. CONCRETE PILING, ESTIMATED 146'-0" LONG WITH A REQUIRED DRIVING RESISTANCE OF 210 TONS PER PILE.

P08 P506 BARS @ 1'-0" SPA. AT TOP OF PIER CAP. MAY BE PLACED AFTER CONCRETE IS POURED BUT BEFORE INITIAL SET HAS TAKEN PLACE. (EMBED 1'-0" INTO CONC.)

P09 KEYED CONSTRUCTION JOINT-FORMED BY BEVELED 2" x 6" AT TOP OF PIER CAP.

APPROVED FOR DESIGN OF UTILITY ADJUSTMENTS OCTOBER 2019

NO.	DATE	REVISION	BY

STATE PROJECT NUMBER

1146-75-71

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-44-296

DRAWN BY JPH | PLANS CK'D.

PIER 1

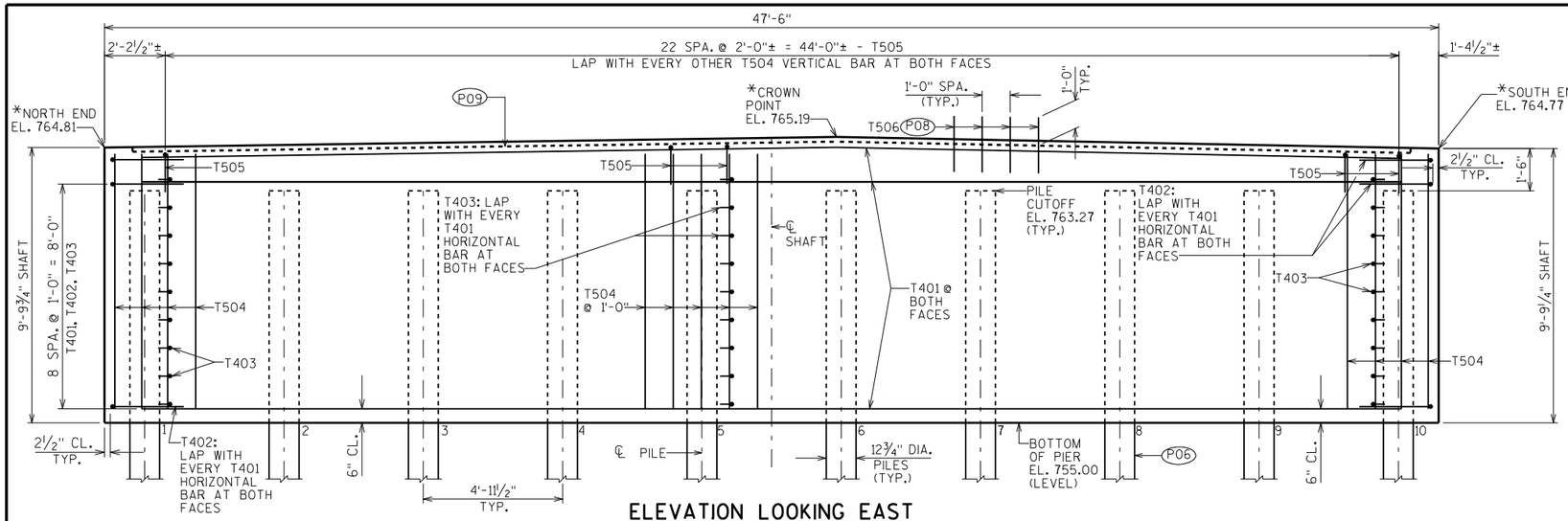
SHEET 8

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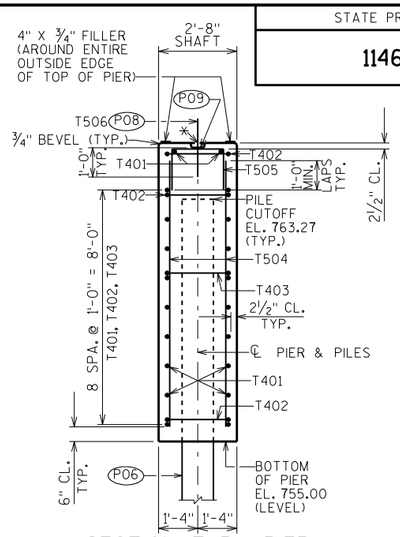
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STATE PROJECT NUMBER

1146-75-71

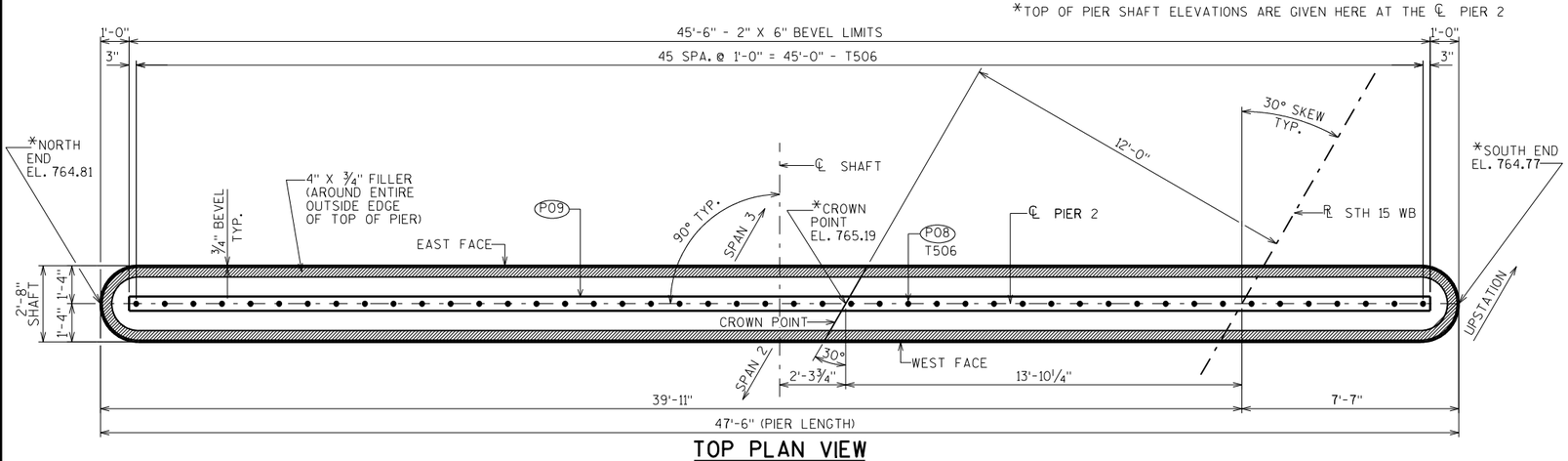


ELEVATION LOOKING EAST

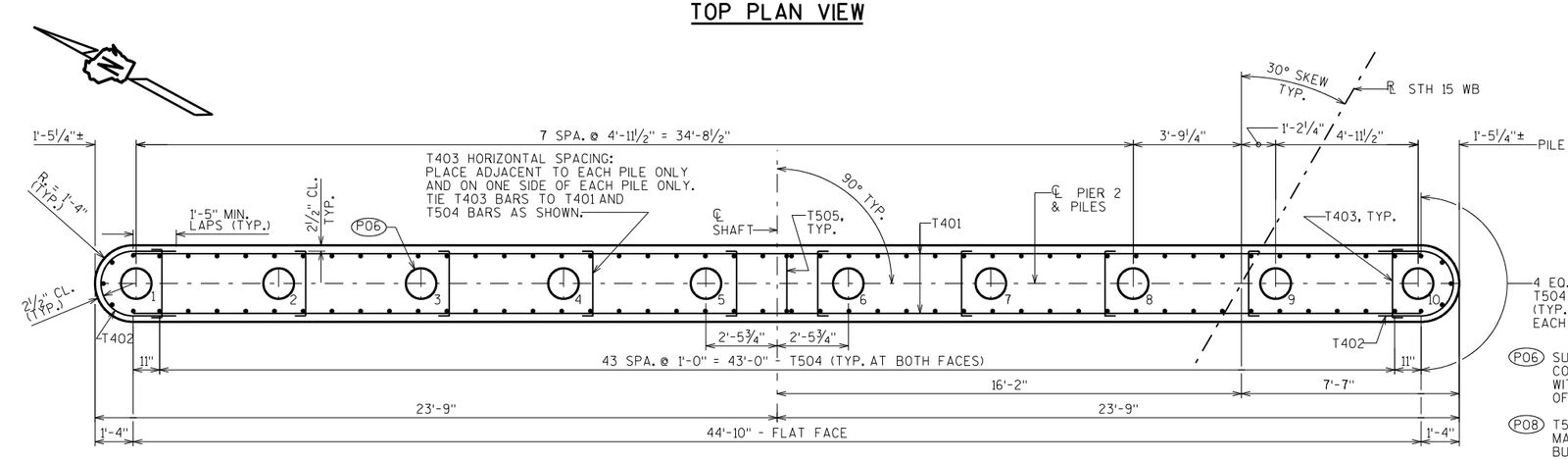


SECTION THRU PIER

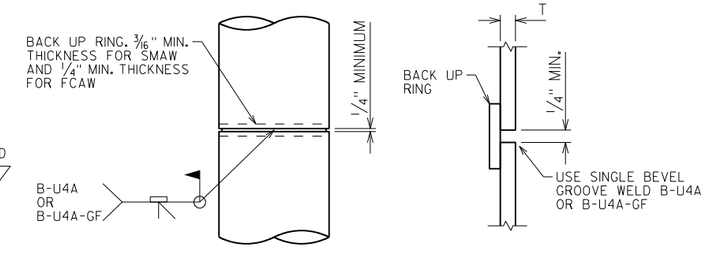
*TOP OF PIER SHAFT ELEVATIONS ARE GIVEN HERE AT THE ℄ PIER 2



TOP PLAN VIEW



PILE & REINFORCEMENT PLAN



CAST-IN-PLACE 'PIPE PILE'

C.I.P. PILE WELD DETAIL

PILE DETAILS

P06 SUPPORT PIER ON 12¾" DIA. X 0.375" C.I.P. CONCRETE PILING, ESTIMATED 146'-0" LONG WITH A REQUIRED DRIVING RESISTANCE OF 210 TONS PER PILE.

P08 T506 BARS @ 1'-0" SPA. AT TOP OF PIER CAP. MAY BE PLACED AFTER CONCRETE IS POURED BUT BEFORE INITIAL SET HAS TAKEN PLACE. (EMBED 1'-0" INTO CONC.)

P09 KEYED CONSTRUCTION JOINT-FORMED BY BEVELED 2" x 6" AT TOP OF PIER CAP.

BILL OF BARS

NOTE: THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE

BAR MARK	COAT	NO. REQ'D.	LENGTH	BENT	LOCATION
T401		20	44'-10"		SHAFT-HORIZ.-AT BOTH FACES
T402		20	6'-6"	X	SHAFT-HORIZ.-AT BOTH ENDS
T403		90	2'-10"	X	SHAFT-HORIZ.-AT EACH PILE
T504		98	9'-1"		SHAFT-VERT.-AT BOTH FACES
T505		23	4'-9"	X	SHAFT-VERT.-TOP
T506		46	2'-0"		SHAFT-VERT.-TOP-CENTER



APPROVED FOR DESIGN OF UTILITY ADJUSTMENTS OCTOBER 2019

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-44-296

DRAWN BY JPH | PLANS CK'D.

PIER 2

SHEET 9

PRE_257

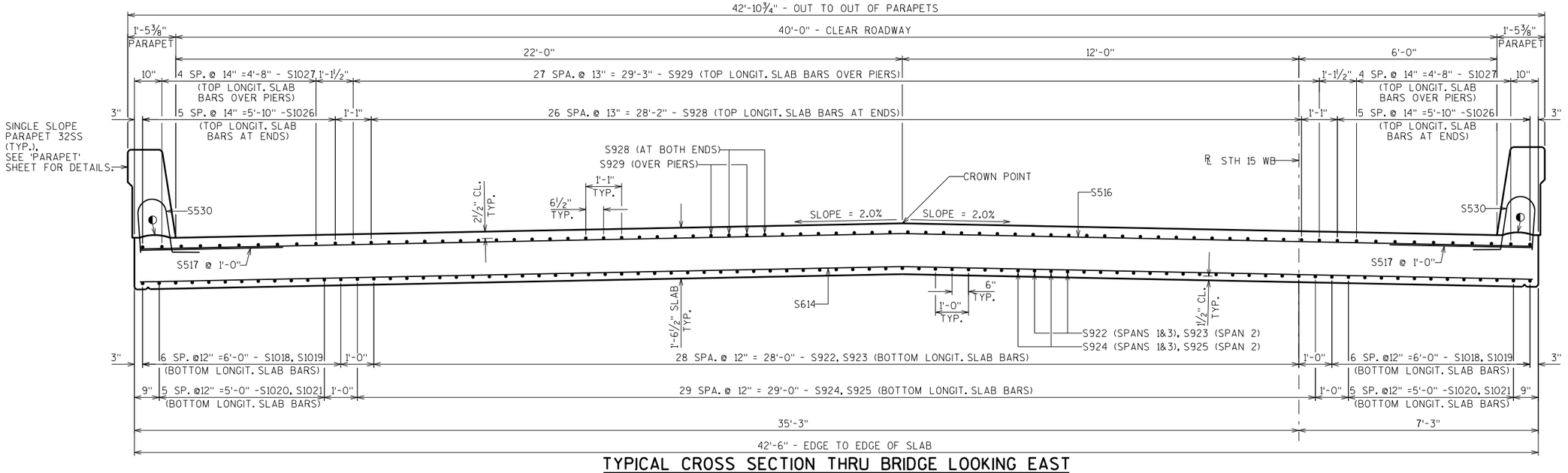
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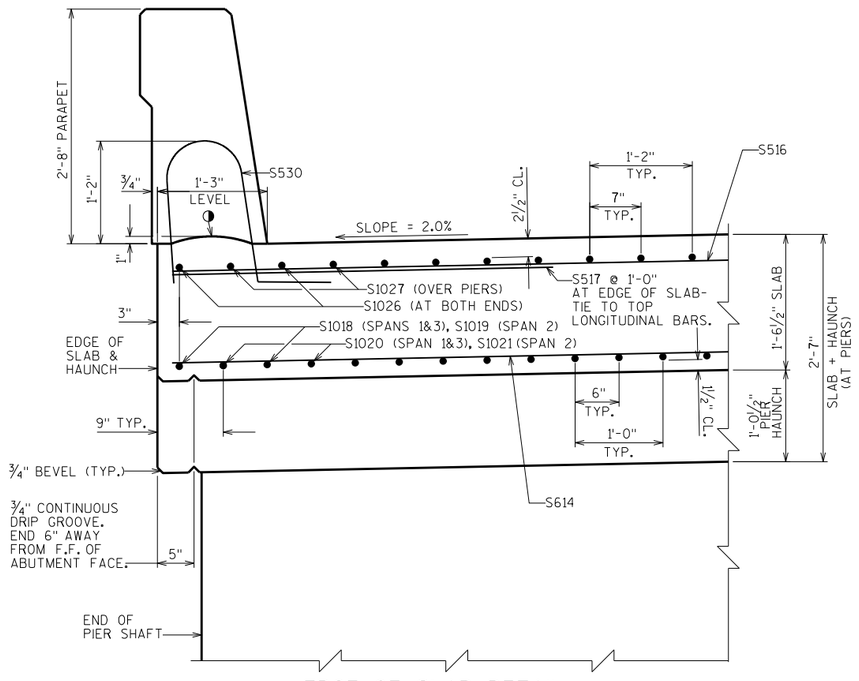
STATE PROJECT NUMBER

1146-75-71



TYPICAL CROSS SECTION THRU BRIDGE LOOKING EAST

(SHOWING IN-SPAN REINFORCEMENT)



EDGE OF SLAB DETAIL

(TYP. @ BOTH SIDES)

NOTES:

FOR THE SECTIONS THRU THE ABUTMENT DIAPHRAGMS SEE "SUPERSTRUCTURE DETAILS" SHEET.

SEE "SUPERSTRUCTURE DETAILS" SHEET FOR ABUTMENT DIAPHRAGM CORNER DETAILS.

FOR THE SECTION THRU THE PIER DIAPHRAGM SEE "SUPERSTRUCTURE DETAILS" SHEET.

◐ HORIZ. CONST. JOINT: STRIKE OFF AND LEAVE ROUGH AS SHOWN

APPROVED FOR ESSION OF UTILITY ADJUSTMENTS OCTOBER 20

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-44-296

DRAWN BY JPH | PLANS CK'D.

SUPERSTRUCTURE CROSS SECTIONS 1

SHEET 10

PRE_258

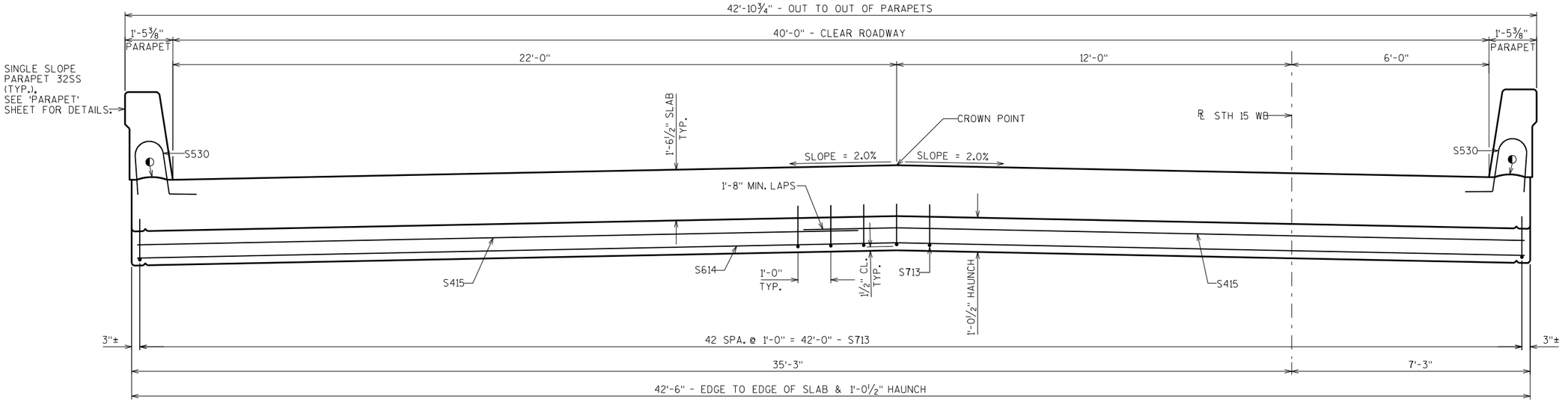
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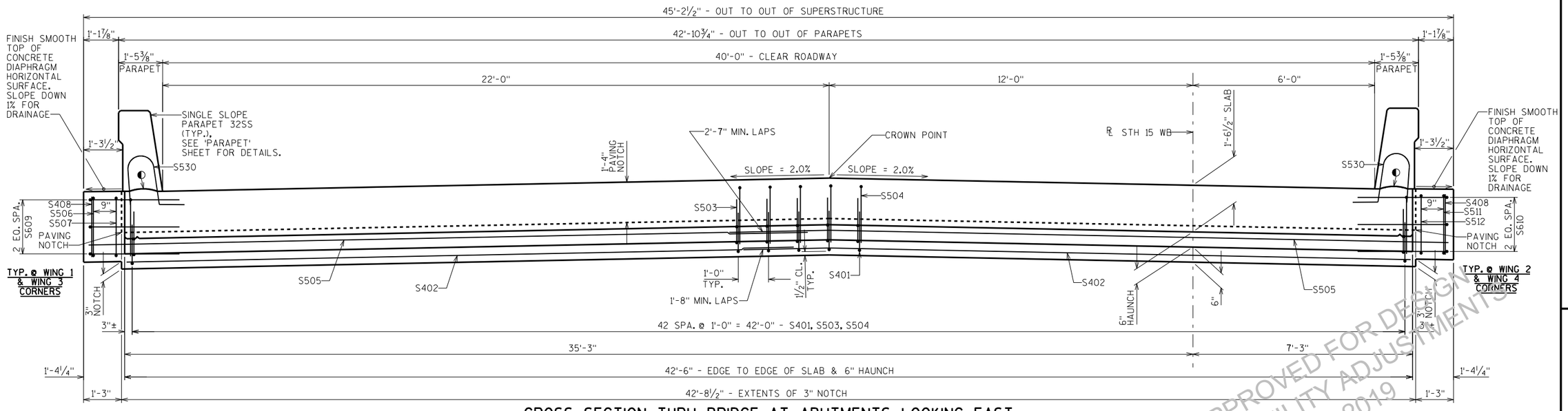
STATE PROJECT NUMBER

1146-75-71



CROSS SECTION THRU BRIDGE AT PIERS LOOKING EAST

(SLAB REINFORCEMENT NOT SHOWN)



CROSS SECTION THRU BRIDGE AT ABUTMENTS LOOKING EAST

(EAST ABUTMENT SHOWN, WEST ABUTMENT SIMILAR - SLAB REINFORCEMENT NOT SHOWN)

NOTES:

FOR THE SECTIONS THRU THE ABUTMENT DIAPHRAGMS SEE "SUPERSTRUCTURE DETAILS" SHEET.

SEE "SUPERSTRUCTURE DETAILS" SHEET FOR ABUTMENT DIAPHRAGM CORNER DETAILS.

FOR THE SECTION THRU THE PIER DIAPHRAGM SEE "SUPERSTRUCTURE DETAILS" SHEET.

◐HORIZ. CONST. JOINT: STRIKE OFF AND LEAVE ROUGH AS SHOWN

APPROVED FOR DESIGN
UTILITY ADJUSTMENTS
OCTOBER 2019

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-44-296

DRAWN BY JPH | PLANS CK'D.

SUPERSTRUCTURE CROSS SECTIONS 2

SHEET 11

PRE_259

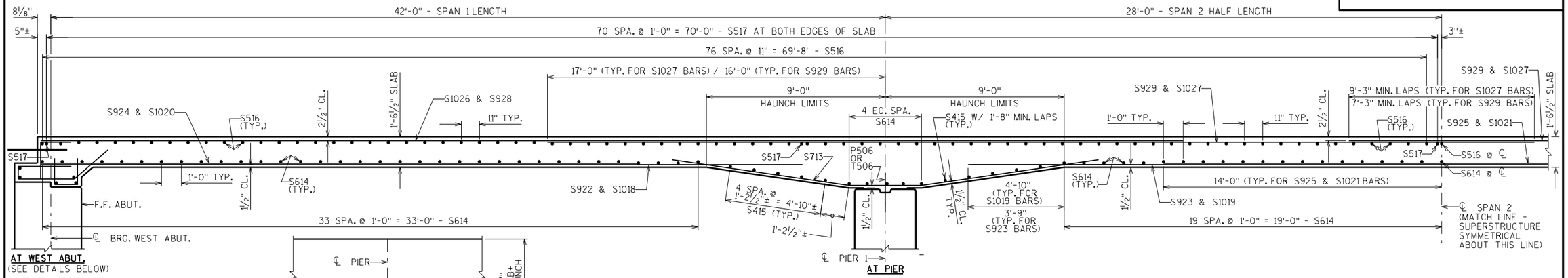
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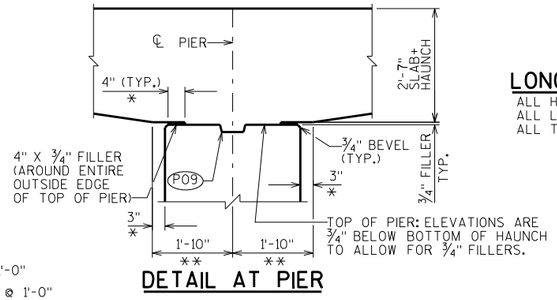
STATE PROJECT NUMBER

1146-75-71

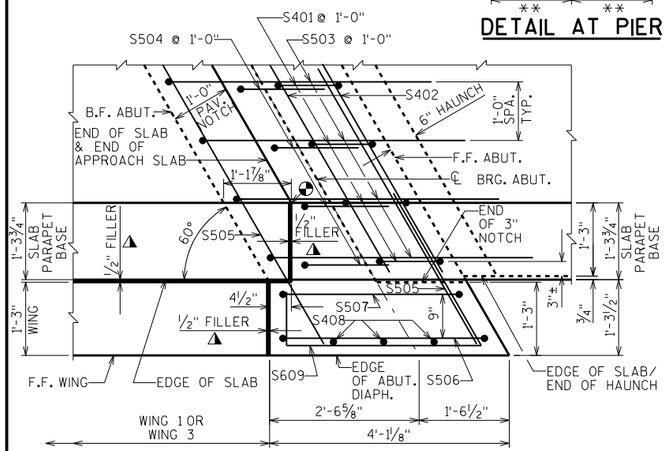


LONGITUDINAL SECTION THRU BRIDGE LOOKING NORTH

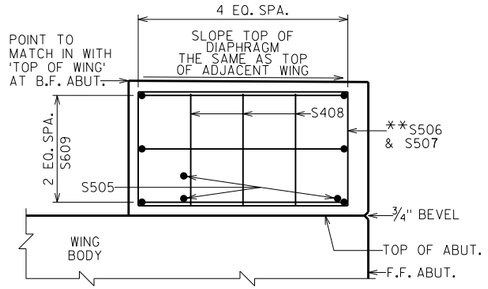
ALL HORIZONTAL DIMENSIONS ARE TAKEN PARALLEL TO "R STH 15 WB".
ALL LONGITUDINAL BARS ARE PLACED PARALLEL TO "R STH 15 WB".
ALL TRANSVERSE BARS ARE PLACED PARALLEL TO ℄ SUBSTRUCTURES.



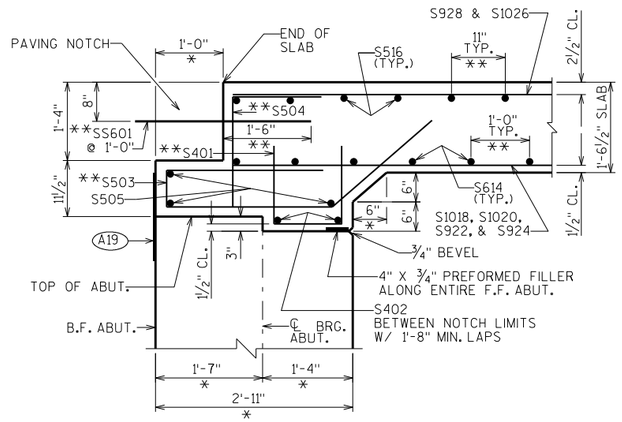
DETAIL AT PIER



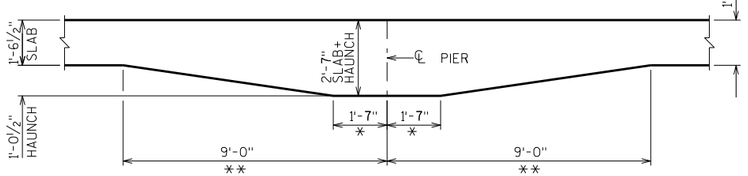
TYPICAL CORNER DETAIL AT WINGS 1&3 (PLAN VIEW)



TYPICAL CORNER DETAIL AT WINGS 1&3 (ELEVATION VIEW LOOKING AT F.F. WING)

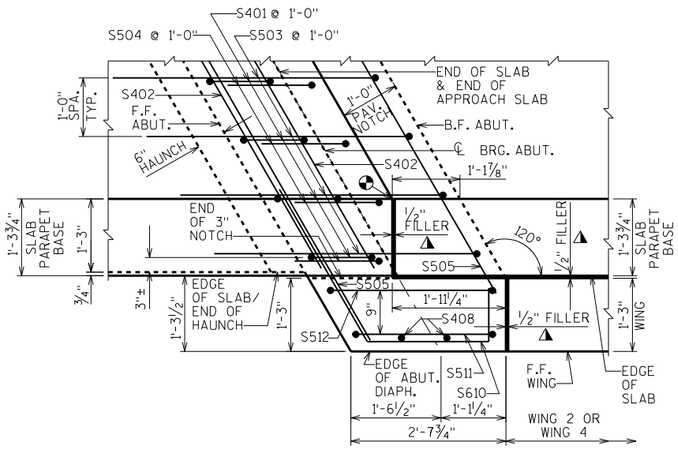


CROSS SECTION THRU ABUTMENT DIAPHRAGMS IN BETWEEN EDGES OF SLAB

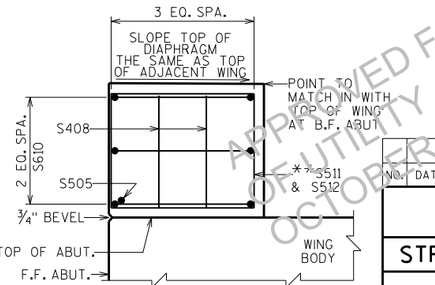


PART LONGITUDINAL SLAB & HAUNCH SECTION AT PIERS LOOKING AT OUTSIDE FACE

(STEEL REINFORCEMENT NOT SHOWN)



TYPICAL CORNER DETAIL AT WINGS 2&4 (PLAN VIEW)



TYPICAL CORNER DETAIL AT WINGS 2&4 (ELEVATION VIEW LOOKING AT F.F. WING)

(A19) 18" (RMW) RUBBERIZED MEMBRANE WATERPROOFING SEAL ALL HORIZ. & VERT. JOINTS AT BACKFACE.

(P09) KEYED CONSTRUCTION JOINT-FORMED BY BEVELED 2" × 6".

*DIMENSION IS TAKEN PERPENDICULAR TO ℄ SUBSTRUCTURES.

**DIMENSION IS TAKEN PARALLEL TO "R STH 15 WB". BARS PLACED PARALLEL TO "R STH 15 WB".

SQUARE OFF ENDS OF PAVING NOTCH AT INSIDE FACE OF PARAPET

SEAL ALL EXPOSED HORIZ. & VERT. SURFACES OF ½" FILLER WITH NON-STAINING, GRAY AND NON-BITUMINOUS JOINT SEALER. (1" DEEP AND HOLD ⅛" BELOW SURFACE OF CONCRETE).

GENERAL NOTES

SEE 'BAR DETAILS' SHEET FOR THE 'BILL OF BARS' AND BAR DETAILS.

TOP TRANSVERSE BARS IN SLAB SHALL BE SUPPORTED BY INDIVIDUAL BAR CHAIRS AT APPROXIMATELY 3'-0" CENTERS EACH WAY. BOTTOM LONGITUDINAL BARS SHALL BE SUPPORTED BY CONTINUOUS BAR CHAIRS AT APPROXIMATELY 4'-0" CENTERS.

ALL SLAB THICKNESS DIMENSIONS ARE MINIMUM. ANY TOLERANCES NECESSARY TO CORRECT CONSTRUCTION DISCREPANCIES ARE TO BE PLUS (+).

PARAPETS PLACED ON TOP OF THE SLAB SHALL BE POURED AFTER FALSEWORK HAS BEEN RELEASED, EXCEPT FOR STAGED CONSTRUCTION.

PRIOR TO RELEASING SLAB FALSEWORK, TAKE TOP OF SLAB ELEVATIONS AT THE ℄ OF ABUTMENTS, THE ℄ OF PIERS AND AT 5/10 PTS. TO VERIFY CAMBER. TAKE ELEVATIONS ALONG GUTTER LINES, "L STH 15 WB AND CROWN POINT.

APPROVED FOR UTILITY ACCOMMODATIONS OCTOBER 2, 2020

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-44-296

DRAWN BY	JPH	PLANS CK'D.

SUPERSTRUCTURE DETAILS

SHEET 12

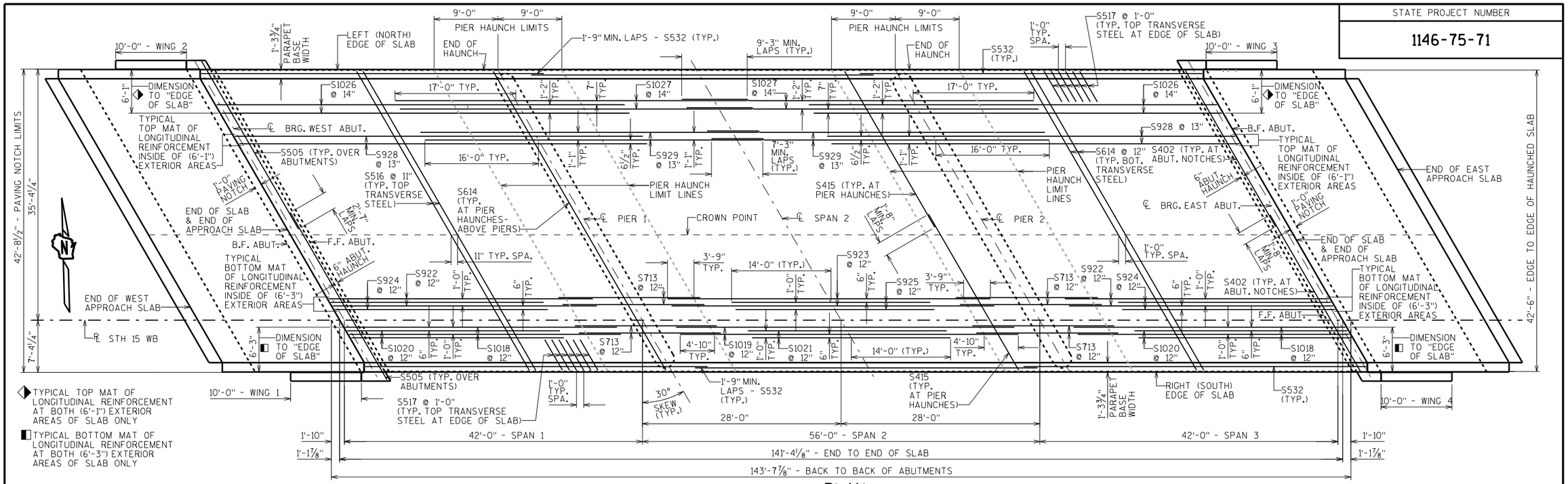
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STATE PROJECT NUMBER

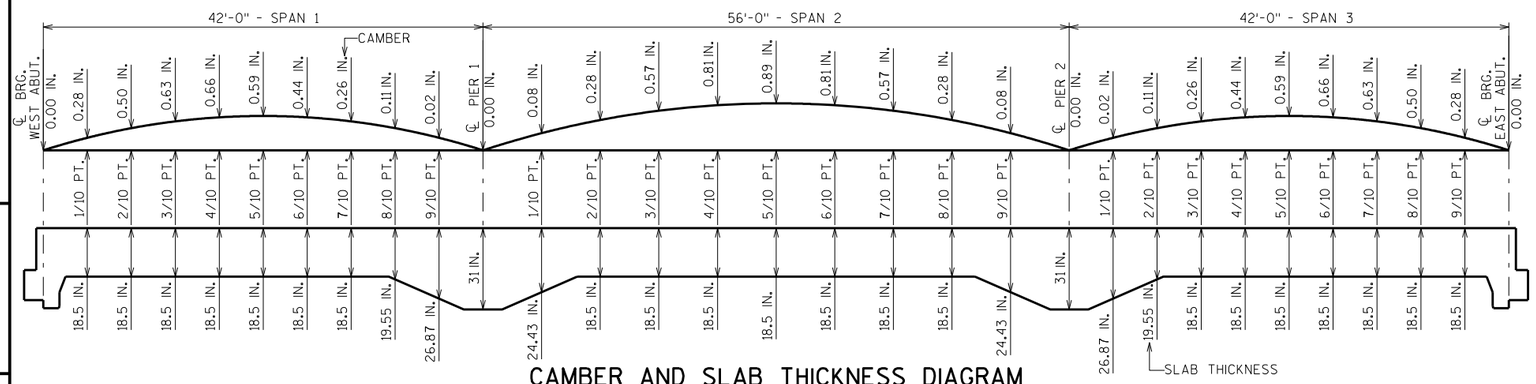
1146-75-71



PLAN

TOP OF SLAB ELEVATIONS

	℄ BRG. W. ABUT.	1/10	2/10	3/10	4/10	5/10	6/10	7/10	8/10	9/10	℄ PIER 1	1/10	2/10	3/10	4/10	5/10	6/10	7/10	8/10	9/10	℄ PIER 2	1/10	2/10	3/10	4/10	5/10	6/10	7/10	8/10	9/10	℄ BRG. E. ABUT.	
NORTH EDGE OF SLAB	767.95	767.93	767.91	767.89	767.87	767.85	767.83	767.81	767.79	767.77	767.74	767.72	767.69	767.66	767.63	767.60	767.58	767.55	767.52	767.49	767.46	767.44	767.42	767.40	767.38	767.36	767.34	767.32	767.30	767.28	767.25	NORTH EDGE OF SLAB
CROWN POINT	768.33	768.31	768.29	768.26	768.24	768.22	768.20	768.18	768.16	768.14	768.12	768.09	768.06	768.03	768.01	767.98	767.95	767.92	767.89	767.87	767.84	767.82	767.80	767.77	767.75	767.73	767.71	767.69	767.67	767.65	767.63	CROWN POINT
℞ STH 15 WB	768.05	768.03	768.01	767.99	767.97	767.95	767.93	767.91	767.89	767.86	767.84	767.82	767.79	767.76	767.73	767.70	767.68	767.65	767.62	767.59	767.56	767.54	767.52	767.50	767.48	767.46	767.44	767.42	767.40	767.37	767.35	℞ STH 15 WB
SOUTH EDGE OF SLAB	767.91	767.89	767.87	767.85	767.83	767.91	767.79	767.77	767.74	767.72	767.70	767.67	767.65	767.62	767.59	767.56	767.53	767.51	767.48	767.45	767.42	767.40	767.38	767.36	767.34	767.32	767.30	767.28	767.25	767.23	767.21	SOUTH EDGE OF SLAB



CAMBER AND SLAB THICKNESS DIAGRAM

CAMBER SHOWN IS BASED ON 3 TIMES DEAD LOAD DEFLECTIONS. CAMBER SPANS AS SHOWN TO PROVIDE FOR DEAD LOAD DEFLECTION AND FUTURE CREEP. CAMBER DOES NOT INCLUDE ALLOWANCE FOR FORM SETTLEMENT.
PARAPETS, SIDEWALKS AND MEDIANS PLACED ON TOP OF THE SLAB SHALL BE POURED AFTER FALSEWORK HAS BEEN RELEASED.

TO DETERMINE FALSEWORK ELEVATION AT EDGE OF SLAB, CROWN & REFERENCE LINE FOLLOW THIS PROCEDURE:

TOP OF SLAB ELEVATION AT FINAL GRADE
LESS (-) SLAB THICKNESS
PLUS (+) CAMBER
PLUS (+) FORM SETTLEMENT/DEFLECTION DUE TO PLACEMENT OF SLAB CONCRETE (TO BE COMPUTED BY THE CONTRACTOR)
EQUALS = TOP OF SLAB FALSEWORK ELEVATION.

SURVEY TOP OF SLAB ELEVATIONS

	℄ BRG. WEST ABUTMENT	5/10 PT.	℄ PIER 1	5/10 PT.	℄ PIER 2	5/10 PT.	℄ BRG. EAST ABUTMENT
NORTH GUTTERLINE							
℞ STH 15 WB							
CROWN POINT							
SOUTH GUTTERLINE							

PRIOR TO RELEASING SLAB FALSEWORK, TAKE TOP OF SLAB ELEVATIONS AT THE ℄ OF ABUTMENTS, THE ℄ OF PIERS AND AT 5/10 PTS. TO VERIFY CAMBER. TAKE ELEVATIONS ALONG GUTTERLINES, ℞, AND CROWN POINT. RECORD THE ELEVATIONS IN THE ABOVE TABLE FOR THE "AS BUILT" PLANS.

APPROVED FOR DESIGN OF UTILITY ADJUSTMENTS OCTOBER 28

NOTES

TOP TRANSVERSE BARS IN SLAB SHALL BE SUPPORTED BY INDIVIDUAL BAR CHAIRS AT APPROXIMATELY 3'-0" CENTERS EACH WAY. BOTTOM LONGITUDINAL BARS SHALL BE SUPPORTED BY CONTINUOUS BAR CHAIRS AT APPROXIMATELY 4'-0" CENTERS.

ALL SLAB THICKNESS DIMENSIONS ARE MINIMUM. ANY TOLERANCES NECESSARY TO CORRECT CONSTRUCTION DISCREPANCIES ARE TO BE PLUS (+).

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-44-296

DRAWN BY JPH | PLANS CK'D.

SUPERSTRUCTURE PLAN & DATA

SHEET 13

PRE_261

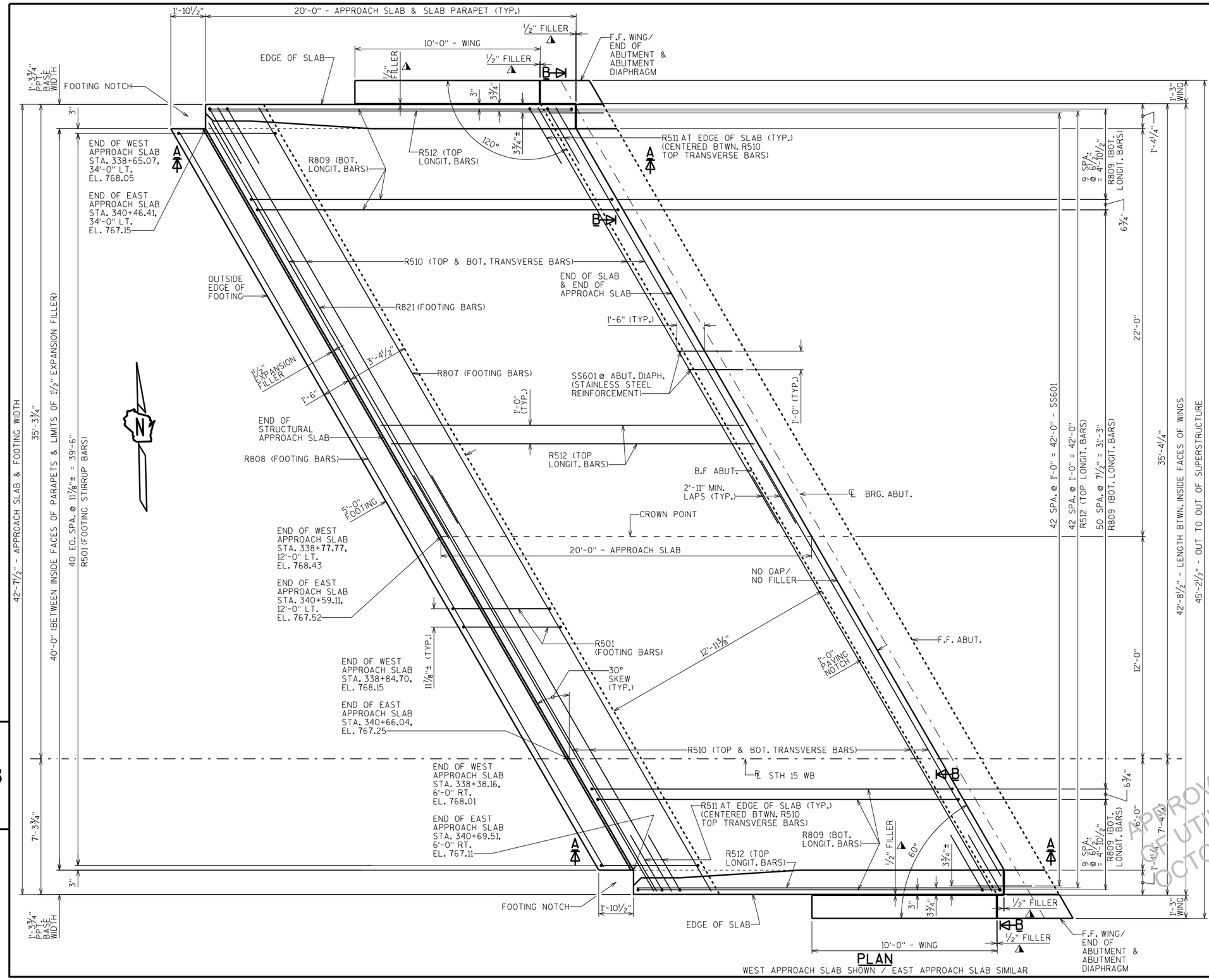
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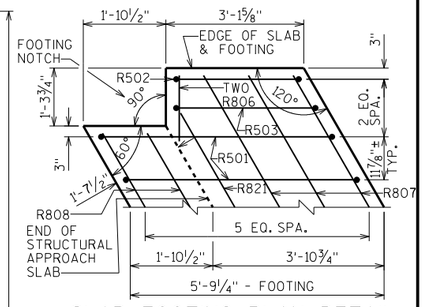
STATE PROJECT NUMBER

1146-75-71

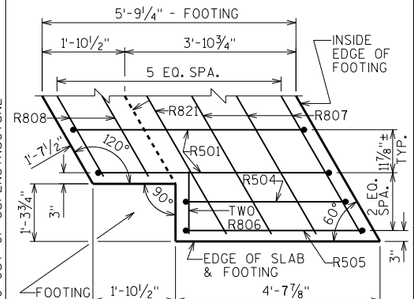


PLAN

WEST APPROACH SLAB SHOWN / EAST APPROACH SLAB SIMILAR



SLAB FOOTING PLAN DETAIL @ NW & SE CORNERS



SLAB FOOTING PLAN DETAIL @ SW & NE CORNERS

NOTE:
SEE NEXT SHEET FOR CROSS SECTIONS THRU THE APPROACH SLAB, INCLUDING "SECTION A-A" AND "SECTION B-B".

DESIGN DATA

ALLOWABLE SOIL BEARING PRESSURE:	2,000 P.S.F.
CONCRETE STRENGTH f'c:	4,000 P.S.I.
BAR STEEL REINFORCEMENT, GRADE 60, fy:	60,000 P.S.I.

△SEAL ALL EXPOSED HORIZONTAL AND VERTICAL SURFACES OF ½" FILLER WITH NON-STAINING, GRAY, NON-BITUMINOUS JOINT SEALER. (1" DEEP AND HOLD ⅛" BELOW SURFACE OF CONCRETE). EXTEND SEALER 3" BELOW GUTTER LINE AT INSIDE FACE.

APPROVED FOR DESIGN OF UTILITY ADJUSTMENTS OCTOBER 2015

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-44-296

DRAWN BY JPH | PLANS CK'D.

STRUCTURAL APPROACH SLAB

SHEET 14

PRE_262

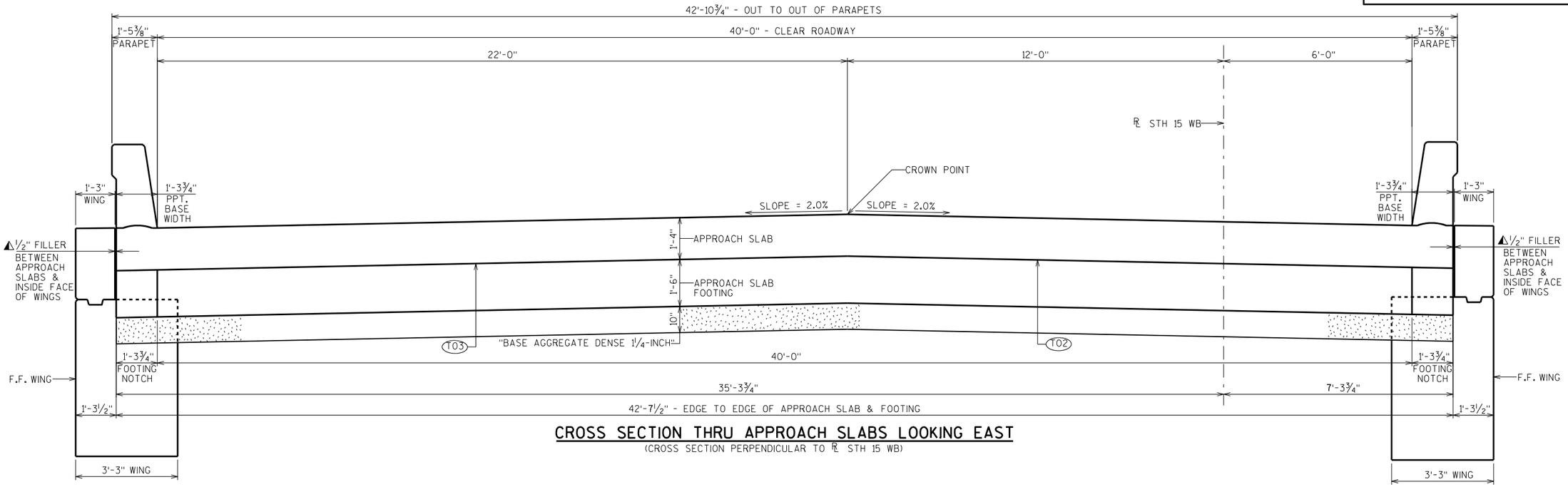
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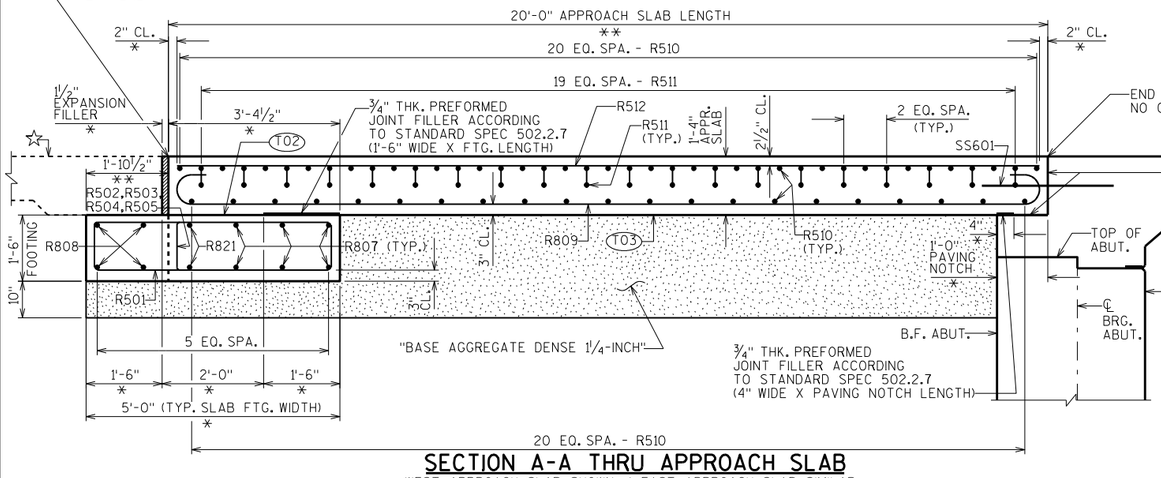
STATE PROJECT NUMBER

1146-75-71



CROSS SECTION THRU APPROACH SLABS LOOKING EAST

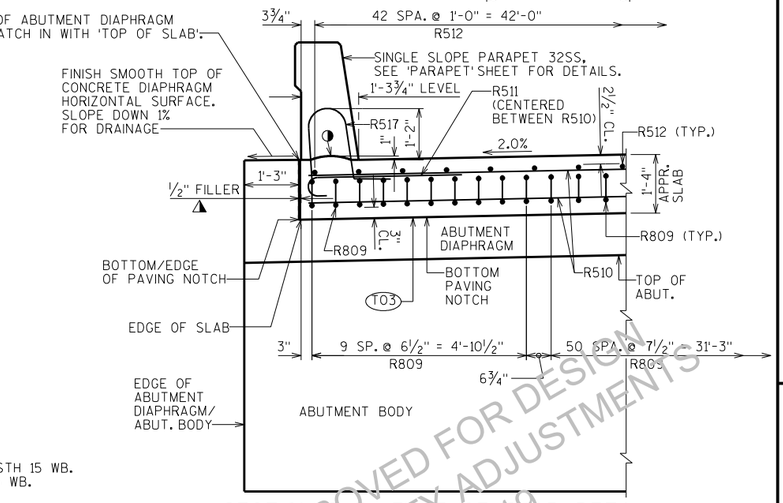
(CROSS SECTION PERPENDICULAR TO ℄ STH 15 WB)



SECTION A-A THRU APPROACH SLAB

WEST APPROACH SLAB SHOWN / EAST APPROACH SLAB SIMILAR

NOTE:
SEE THE 'BAR DETAILS' SHEET FOR THE BILL OF BARS AND BAR DETAILS FOR THE STRUCTURAL APPROACH SLAB R-BARS.



SECTION B-B (EDGE OF SLAB DETAIL)

*DIMENSION IS TAKEN NORMAL TO ℄ BRG. ABUTS.

**DIMENSION IS TAKEN PARALLEL TO ℄ STH 15 WB. BARS PLACED PARALLEL TO ℄ STH 15 WB.

☆FOLLOW FDM 14-10-15 REQUIREMENTS FOR ROADWAY APPROACH PAVEMENT.

◐HORIZ. CONST. JOINT: STRIKE OFF AND LEAVE ROUGH AS SHOWN

▲SEAL ALL EXPOSED HORIZONTAL AND VERTICAL SURFACES OF ½" FILLER WITH NON-STAINING, GRAY, NON-BITUMINOUS JOINT SEALER. (1" DEEP AND HOLD ⅛" BELOW SURFACE OF CONCRETE). EXTEND SEALER 3" BELOW GUTTER LINE AT INSIDE FACE.

(T02) STEEL TROWEL TOP SURFACE OF FOOTING AND PLACE MULTIPLE LAYERS (0.03" MIN. TOTAL THK.) OF POLYETHYLENE SHEETS OVER THE ENTIRE TOP OF FOOTING.

(T03) PLACE MULTIPLE LAYERS (0.03" MIN. TOTAL THK.) OF POLYETHYLENE SHEETS OVER THE ENTIRE TOP OF SUBGRADE BENEATH SLAB.

APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS
OCTOBER 2019

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-44-296

DRAWN BY JPH | PLANS CK'D.

STRUCTURAL APPROACH SLAB DETAILS

SHEET 15

PRE_263

SCALE = 1.67

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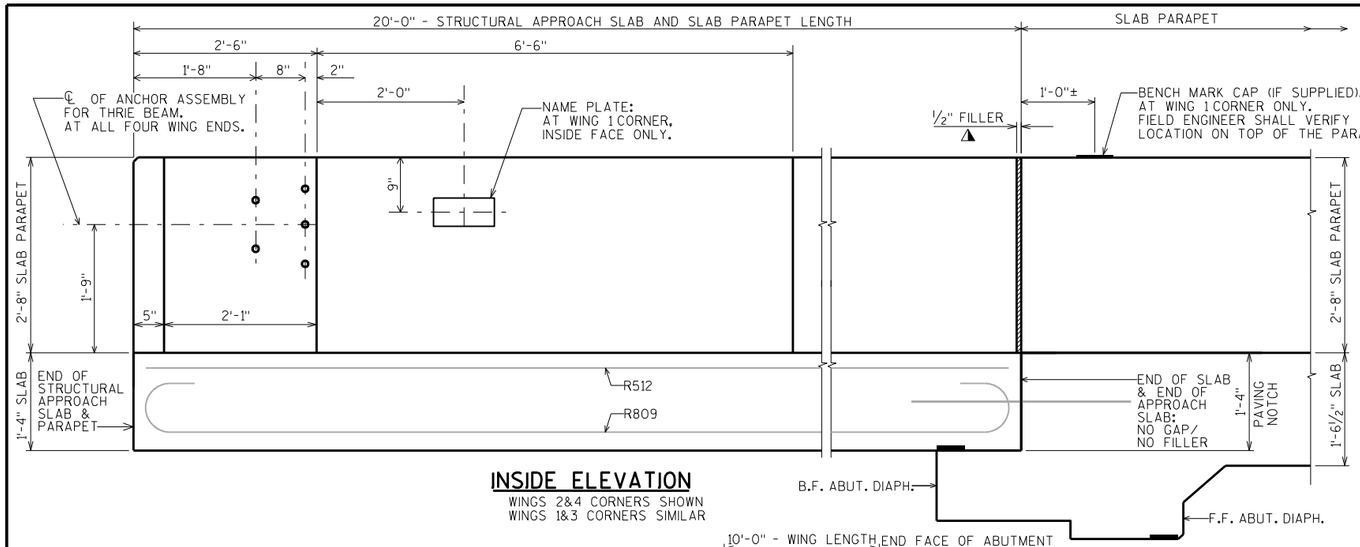
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STATE PROJECT NUMBER

1146-75-71

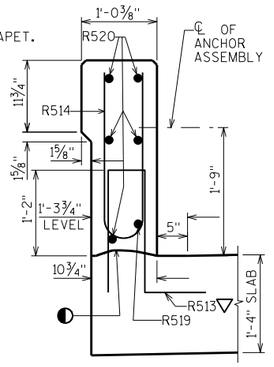
NOTES:
SEE THE 'BAR DETAILS' SHEET FOR THE BILL OF BARS AND BAR DETAILS FOR THE APPROACH SLAB PARAPET R-BARS.

SEE THE 'BAR DETAILS' SHEET FOR THE BILL OF BARS AND BAR DETAILS FOR THE SUPERSTRUCTURE PARAPET S-BARS.

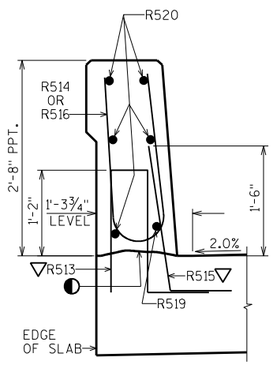


INSIDE ELEVATION

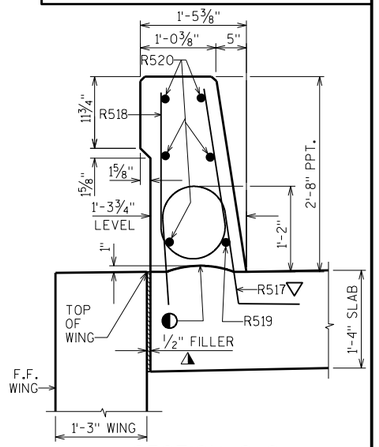
WINGS 2&4 CORNERS SHOWN
WINGS 1&3 CORNERS SIMILAR



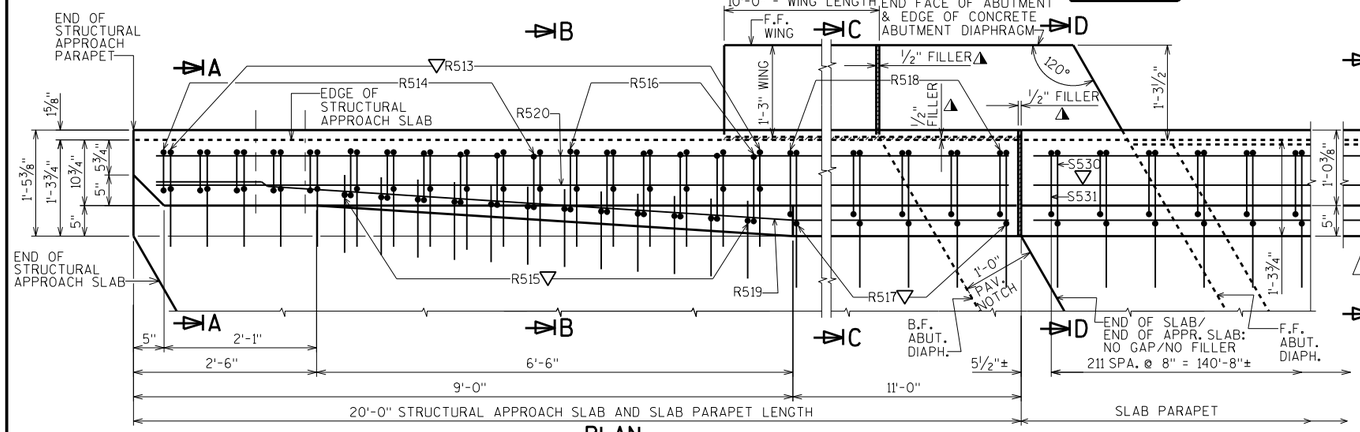
SECTION A-A



SECTION B-B

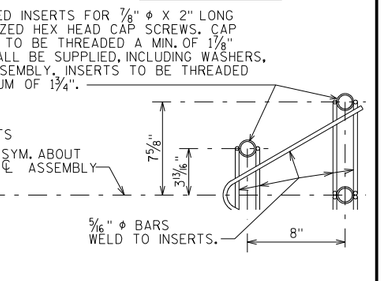


SECTION C-C



PLAN

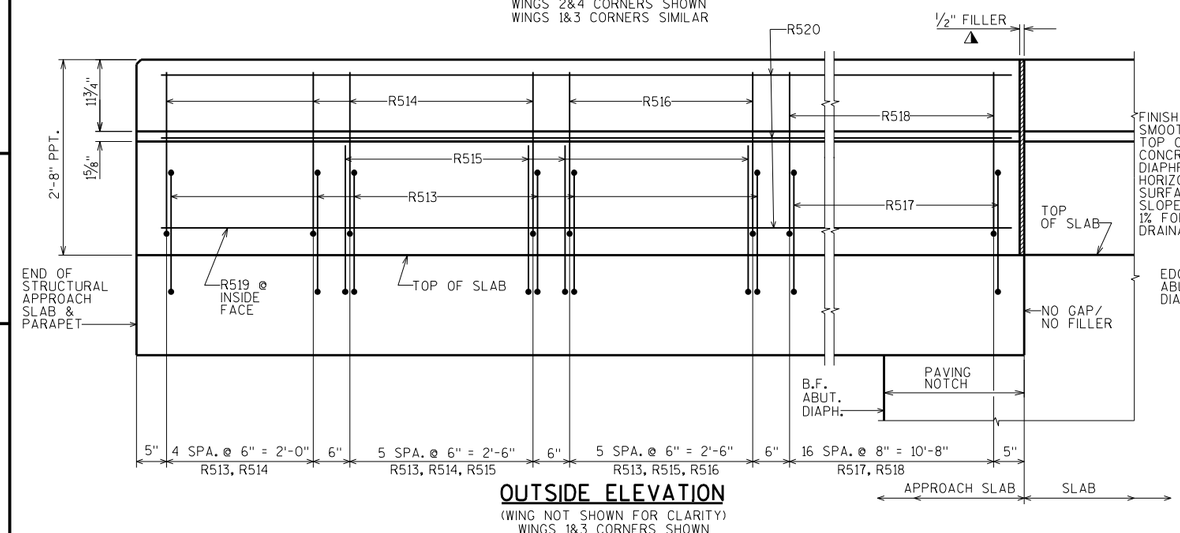
WINGS 2&4 CORNERS SHOWN
WINGS 1&3 CORNERS SIMILAR



DETAIL OF ANCHOR ASSEMBLY

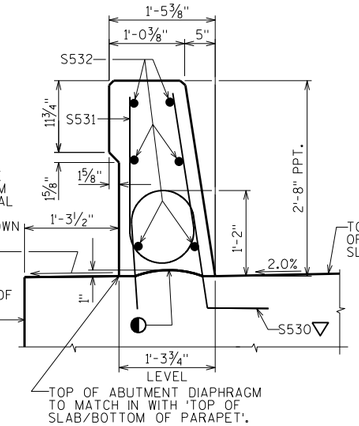
NOTE: HEX HEAD CAP SCREWS & WASHERS TO BE GALVANIZED IN ACCORDANCE WITH AASHTO M232 CLASS C.

ASSEMBLY SHALL BE BID ITEM "ANCHOR ASSEMBLIES FOR STEEL PLATE BEAM GUARD", EACH.

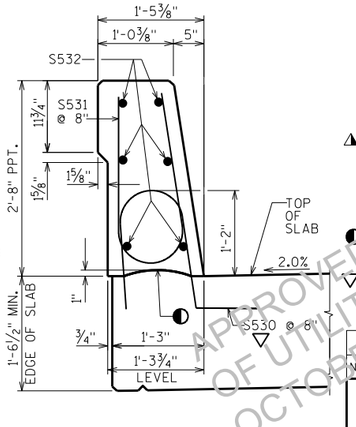


OUTSIDE ELEVATION

(WING NOT SHOWN FOR CLARITY)
WINGS 1&3 CORNERS SHOWN
WINGS 2&4 CORNERS SIMILAR



SECTION D-D (OVER ABUT. DIAPHRAGM)



SECTION E-E (AT SLAB)

▲ SEAL ALL EXPOSED HORIZONTAL AND VERTICAL SURFACES OF ½" FILLER WITH NON-STAINING, GRAY, NON-BITUMINOUS JOINT SEALER. (1" DEEP AND HOLD ⅛" BELOW SURFACE OF CONCRETE). EXTEND SEALER 3" BELOW GUTTER LINE AT INSIDE FACE.

◐ HORIZ. CONST. JOINT - STRIKE OFF AS SHOWN AND LEAVE ROUGH.

▽ R513, R515, R517 & S530 PARAPET BARS TO BE TIED TO SLAB OR SLAB STEEL BEFORE SLAB OR SLAB IS POURED. USE CARE TO PLACE R515 BARS CORRECTLY ALONG TRANSITION OF PARAPET.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-44-296

DRAWN BY JPH | PLANS CK'D.

SINGLE SLOPE PARAPET 32SS

SHEET 16

PRE_264

APPROVED FOR ADJUSTMENT OF UTILITY ADJUSTMENTS OCTOBER 2020

SCALE = 1.00

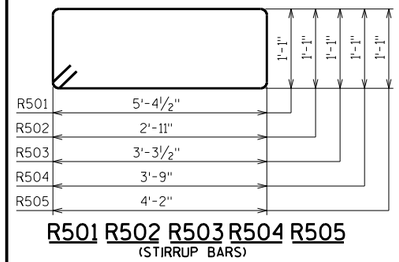
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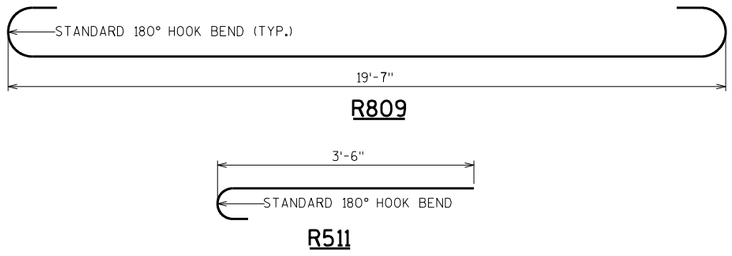
BILL OF BARS FOR STRUCTURAL APPROACH SLABS

NOTE: THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE

BAR MARK	COAT	NO. REQUIRED. WEST SLAB	NO. REQUIRED. EAST SLAB	LENGTH	BENT	LOCATION
R501	X	41	41	13'-7"	X	FOOTING-VERTICAL-LONGITUDINAL-STIRRUP BAR-AT CENTER
R502	X	1	1	8'-8"	X	FOOTING-VERTICAL-LONGITUDINAL-STIRRUP BAR-AT WING 2&4 ENDS ONLY
R503	X	1	1	9'-5"	X	FOOTING-VERTICAL-LONGITUDINAL-STIRRUP BAR-AT WING 2&4 ENDS ONLY
R504	X	1	1	10'-4"	X	FOOTING-VERTICAL-LONGITUDINAL-STIRRUP BAR-AT WING 1&3 ENDS ONLY
R505	X	1	1	11'-2"	X	FOOTING-VERTICAL-LONGITUDINAL-STIRRUP BAR-AT WING 1&3 ENDS ONLY
R806	X	4	4	1'-4"		FOOTING-TOP & BOTTOM-HORIZONTAL-TRANSVERSE-AT ENDS ONLY
R807	X	6	6	48'-10"		FOOTING-TOP & BOTTOM-HORIZONTAL-TRANSVERSE-AT INSIDE FACE
R808	X	4	4	45'-9"		FOOTING-TOP & BOTTOM-HORIZONTAL-TRANSVERSE-AT OUTSIDE FACE
R809	X	71	71	21'-5"	X	SLAB-BOTTOM-VERTICAL-LONGITUDINAL
R510	X	84	84	26'-0"		SLAB-TOP & BOTTOM-HORIZONTAL-TRANSVERSE
R511	X	40	40	4'-1"	X	SLAB-TOP-VERTICAL-TRANSVERSE-AT BOTH EDGES
R512	X	43	43	19'-7"		SLAB-TOP-HORIZONTAL-LONGITUDINAL
R513	X	34	34	4'-4"	X	PARAPETS 32SS/SLAB-VERTICAL-TRANSVERSE-AT ALL FOUR PPT. ENDS
R514	X	22	22	4'-9"	X	PARAPET 32SS-END-VERTICAL-TRANSVERSE-AT ALL FOUR PPT. ENDS
R515	X	24	24	2'-9"	X	PARAPETS 32SS/SLAB-INSIDE FACE-VERTICAL-TRANSVERSE-AT ALL FOUR PPT. ENDS
R516	X	12	12	4'-10"	X	PARAPET 32SS-VERTICAL-TRANSVERSE-AT ALL FOUR PPT. ENDS
R517	X	34	34	4'-5"	X	PARAPETS/SLAB-VERTICAL-TRANSVERSE-AT ALL FOUR PPT. ENDS
R518	X	34	34	5'-0"	X	PARAPET 32SS-VERTICAL-TRANSVERSE-AT ALL FOUR PPT. ENDS
R519	X	2	2	19'-5"	X	PARAPET 32SS-BOT.-INSIDE FACE-HORIZONTAL-LONGITUDINAL-AT ALL FOUR PPT. ENDS
R520	X	10	10	19'-5"		PARAPET 32SS-BOTH FACES-HORIZONTAL-LONGITUDINAL-AT ALL FOUR PPT. ENDS
R821	X	2	2	47'-9"		FOOTING-TOP & BOTTOM-HORIZONTAL-TRANSVERSE-AT MIDDLE

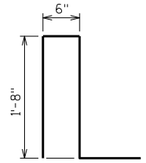


R501 R502 R503 R504 R505
(STIRRUP BARS)

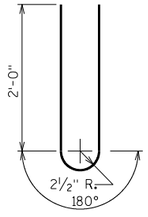


R809

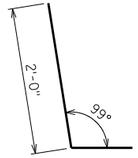
R511



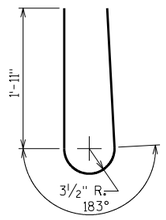
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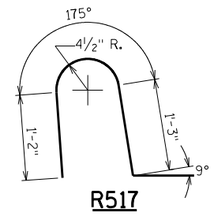
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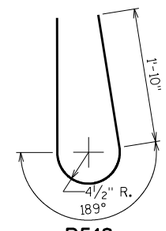
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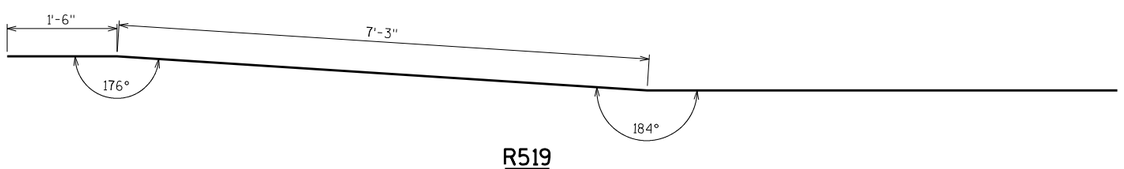
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R517



R518



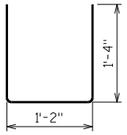
R519

BILL OF BARS FOR SUPERSTRUCTURE

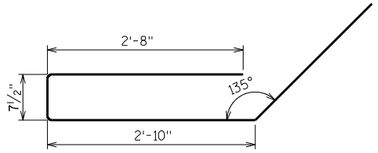
NOTE: THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE

BAR MARK	COAT	NO. REQ'D.	LENGTH	BENT	LOCATION
S401	X	86	3'-8"	X	ABUT. DIAPHS.-F.F.-BOT.-VERT.-LONGIT.-AT 3" NOTCHES
S402	X	8	25'-4"		ABUT. DIAPHS.-F.F.-BOT.-HORIZ.-TRANS.-AT 3" NOTCHES
S503	X	86	8'-1"	X	ABUT. DIAPHS./SLAB-BOT.-VERT.-LONGIT.-UNDER PAVING NOTCHES
S504	X	86	3'-4"	X	ABUT. DIAPHS./SLAB-VERT.-LONGIT.-ALONG PAVING NOTCHES
S505	X	12	27'-3"		ABUT. DIAPHS.-BOT.-HORIZ.-TRANSVERSE
S506	X	2	11'-8"	X	ABUT. DIAPHS.-VERTICAL-LONGIT.-AT WINGS 1&3 CORNERS ONLY
S507	X	2	10'-10"	X	ABUT. DIAPHS.-VERTICAL-LONGIT.-AT WINGS 1&3 CORNERS ONLY
S408	X	10	1'-11"		ABUT. DIAPHS.-OUTSIDE FACES-VERT.-AT ALL FOUR WING CORNERS
S609	X	6	7'-2"	X	ABUT. DIAPHS.-HORIZ.-TRANS.-AT WINGS 1&3 CORNERS ONLY
S610	X	6	6'-0"	X	ABUT. DIAPHS.-HORIZ.-TRANS.-AT WINGS 2&4 CORNERS ONLY
S511	X	2	9'-6"	X	ABUT. DIAPHS.-VERTICAL-LONGIT.-AT WINGS 2&4 CORNERS ONLY
S512	X	2	10'-4"	X	ABUT. DIAPHS.-VERTICAL-LONGIT.-AT WINGS 2&4 CORNERS ONLY
S713	X	86	21'-8"	X	PIER HAUNCHES-BOT.-VERT.-LONGIT.
S614	X	117	48'-8"		SLAB & PIER HAUNCHES-BOT.-HORIZ.-TRANSVERSE
S415	X	40	25'-3"		PIER HAUNCHES-BOT.-HORIZ.-TRANSVERSE-ON EACH SIDE OF PIERS
S516	X	155	48'-8"		SLAB-TOP-HORIZ.-TRANSVERSE
S517	X	284	5'-0"		SLAB-TOP-HORIZ.-TRANSVERSE-AT BOTH EDGES
S1018	X	28	38'-4"		SLAB-BOTTOM-HORIZ.-LONGIT.-AT SPANS 1&3 EXTERIORS
S1019	X	14	47'-8"		SLAB-BOTTOM-HORIZ.-LONGIT.-AT SPAN 2 EXTERIORS
S1020	X	24	30'-0"		SLAB-BOTTOM-HORIZ.-LONGIT.-AT SPANS 1&3 EXTERIORS
S1021	X	12	28'-0"		SLAB-BOTTOM-HORIZ.-LONGIT.-AT SPAN 2 EXTERIORS
S922	X	58	37'-3"		SLAB-BOTTOM-HORIZ.-LONGIT.-AT SPANS 1&3 INTERIOR
S923	X	29	45'-6"		SLAB-BOTTOM-HORIZ.-LONGIT.-AT SPAN 2 INTERIOR
S924	X	60	30'-0"		SLAB-BOTTOM-HORIZ.-LONGIT.-AT SPANS 1&3 INTERIOR
S925	X	30	28'-0"		SLAB-BOTTOM-HORIZ.-LONGIT.-AT SPAN 2 INTERIOR
S1026	X	24	57'-6"		SLAB-TOP-HORIZ.-LONGIT.-AT BOTH ENDS-EXTERIORS
S1027	X	20	49'-8"		SLAB-TOP-HORIZ.-LONGIT.-OVER PIERS 1&2-EXTERIORS
S928	X	54	57'-6"		SLAB-TOP-HORIZ.-LONGIT.-AT BOTH ENDS-INTERIOR
S929	X	56	47'-8"		SLAB-TOP-HORIZ.-LONGIT.-OVER PIERS 1&2-INTERIOR
S530	X	424	4'-5"	X	PARAPETS/SLAB-VERTICAL-TRANSVERSE-AT BOTH SIDES
S531	X	424	5'-0"	X	PARAPETS-VERTICAL-TRANSVERSE-AT BOTH SIDES
S532	X	36	48'-3"		PARAPETS-BOTH FACES-HORIZ.-LONGIT.-AT BOTH SIDES
SS601		86	3'-0"		HAUNCHED SLAB/APPROACH SLAB-HORIZ.-LONGIT.-AT PAVING NOTCHES

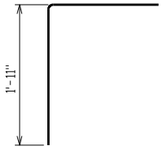
STAINLESS STEEL REINFORCEMENT



S401



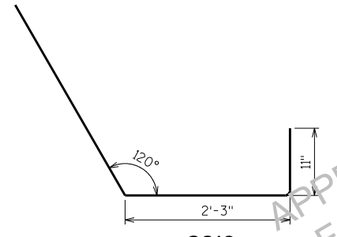
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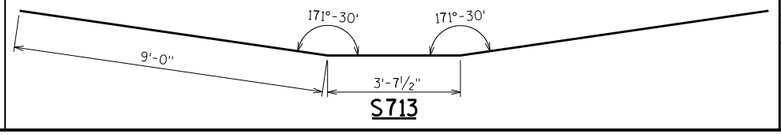
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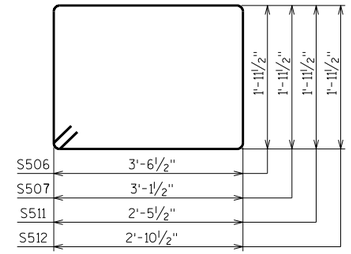
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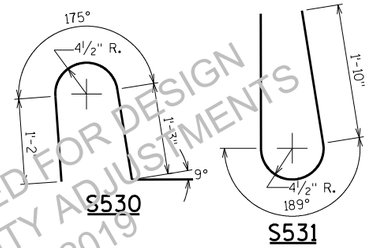
S610



S713



S506 S507 S511 S512
(STIRRUP BARS)



S530 S531

APPROVED FOR DESIGN OF UTILITY ADJUSTMENTS OCTOBER 2019

STATE PROJECT NUMBER

1146-75-71

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-44-296

DRAWN BY JPH | PLANS CK'D.

SUPERSTRUCTURE & APPROACH SLAB BAR DETAILS

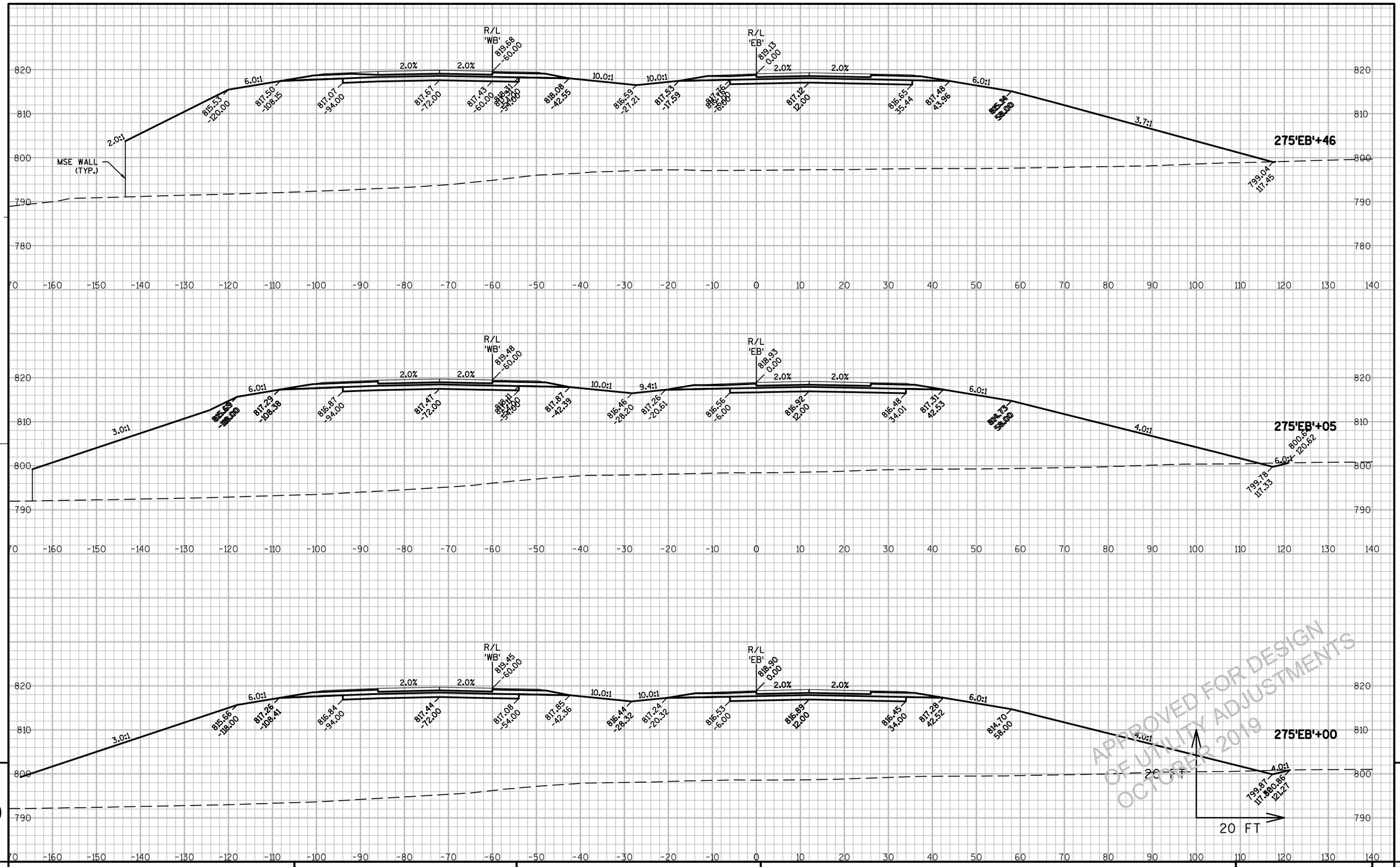
SHEET 17

PRE_265

SCALE = 1.00

8

8



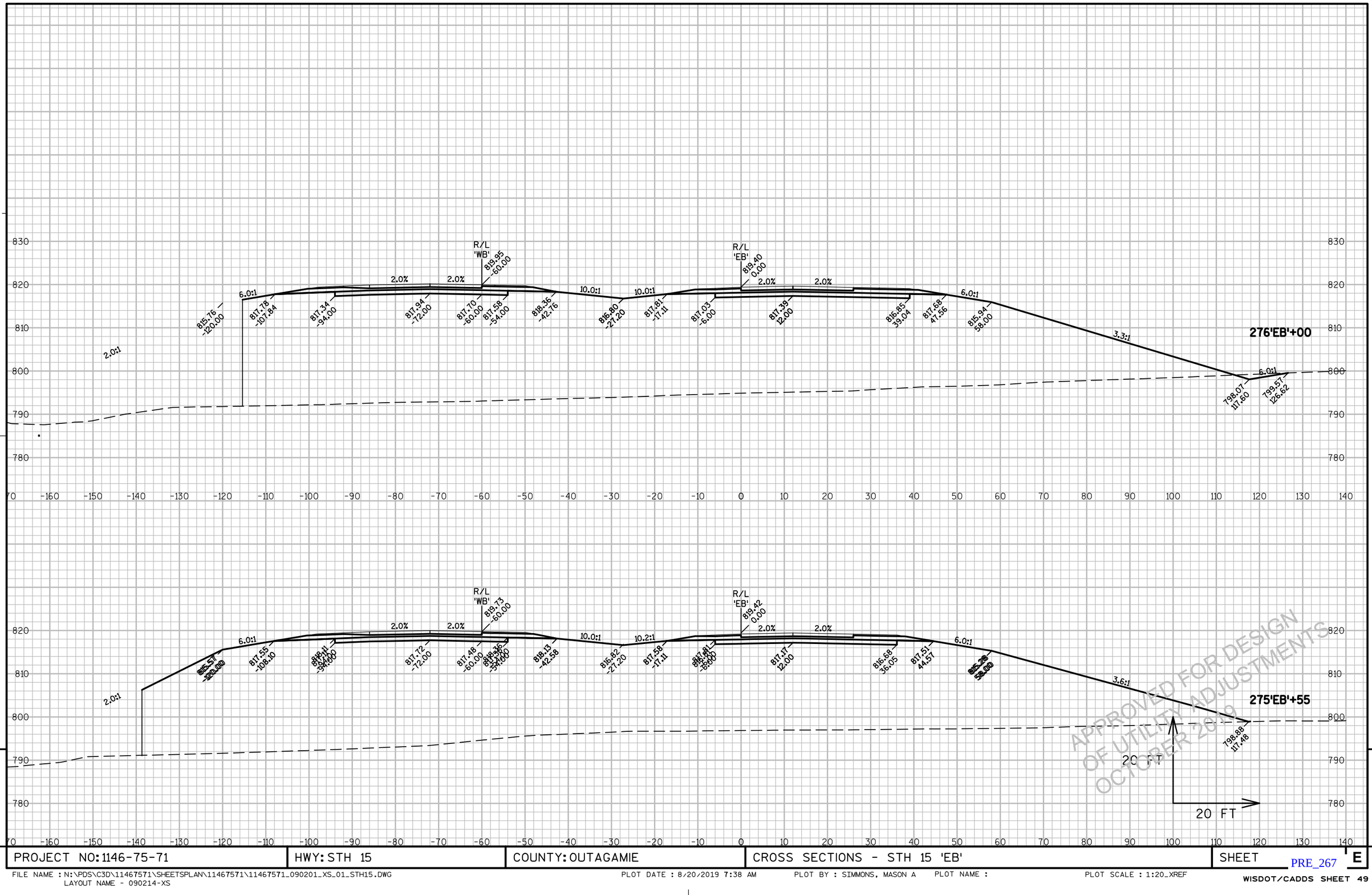
APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS
OCTOBER 2019

9

PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS - STH 15 'EB'	SHEET E

FILE NAME : N:\PDS\C3D\11467571\SHEETSPLAN\11467571\11467571_090201_XS_01_STH15.DWG
LAYOUT NAME - 090213-XS

PLOT DATE : 8/20/2019 7:38 AM PLOT BY : SIMMONS, MASON A PLOT NAME : PLOT SCALE : 1:20_XREF



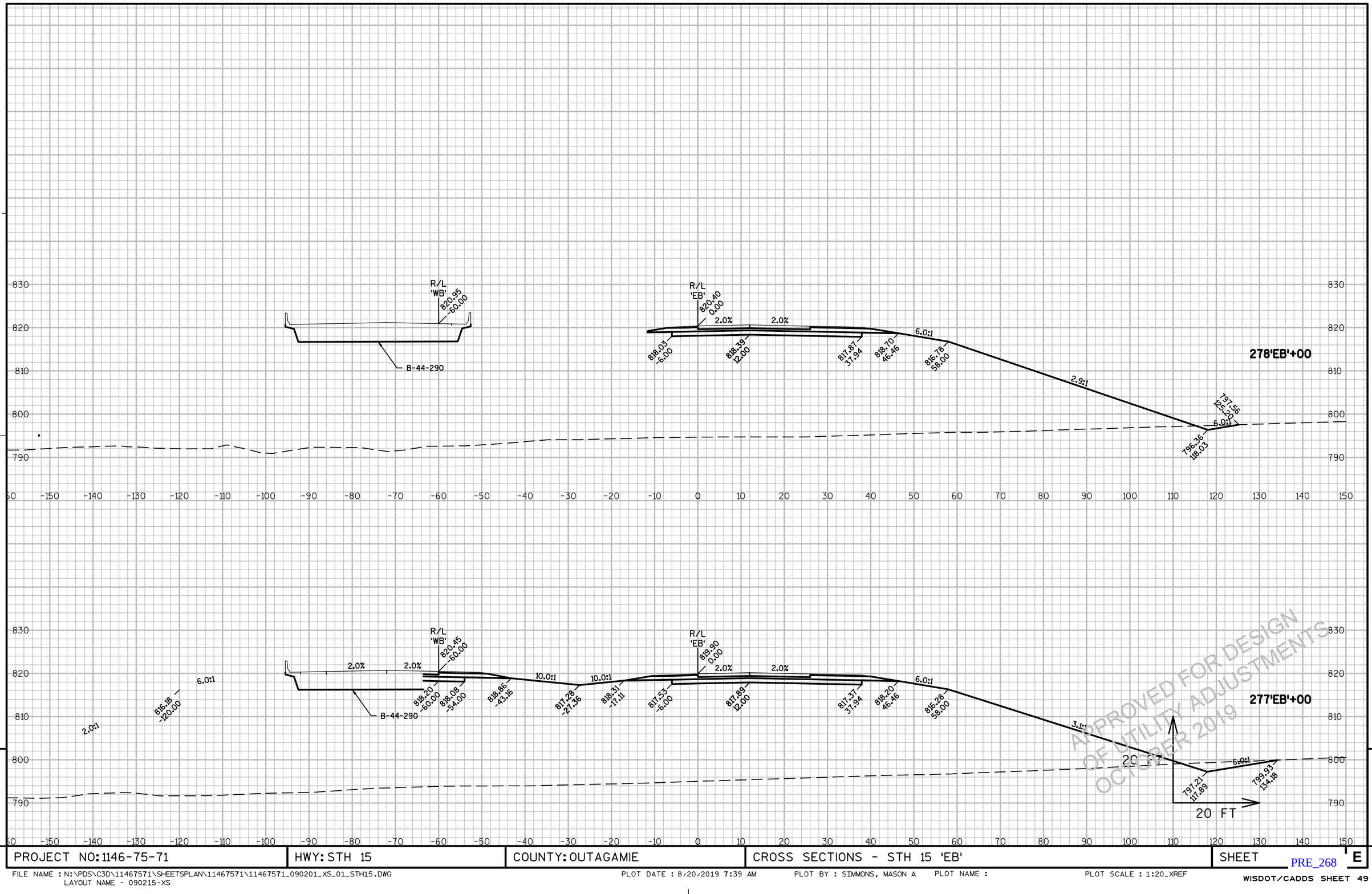
PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS - STH 15 'EB'	SHEET E

PRE_267

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LAYOUT NAME - 090214-XS

PLOT DATE : 8/20/2019 7:38 AM PLOT BY : SIMMONS, MASON A PLOT NAME : PLOT SCALE : 1:20_XREF

WISDOT/CADDS SHEET 49

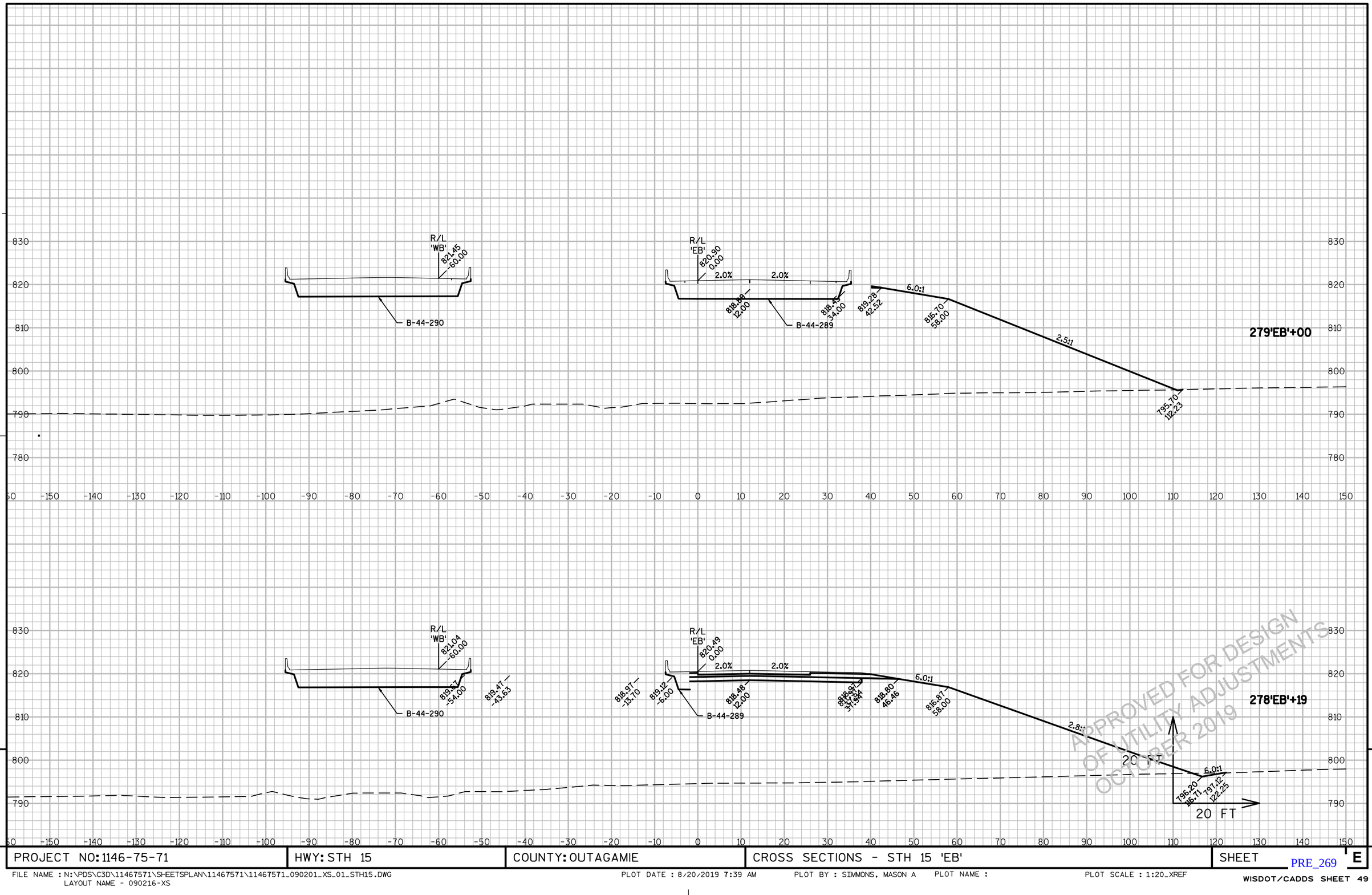


PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS - STH 15 'EB'	SHEET E

PRE_268

FILE NAME : N:\PDS\C3D\11467571\SHEETSPLAN\11467571\11467571_090201_XS_01_STH15.DWG
LAYOUT NAME - 090215-XS

PLOT DATE : 8/20/2019 7:39 AM PLOT BY : SIMMONS, MASON A PLOT NAME : PLOT SCALE : 1:20_XREF



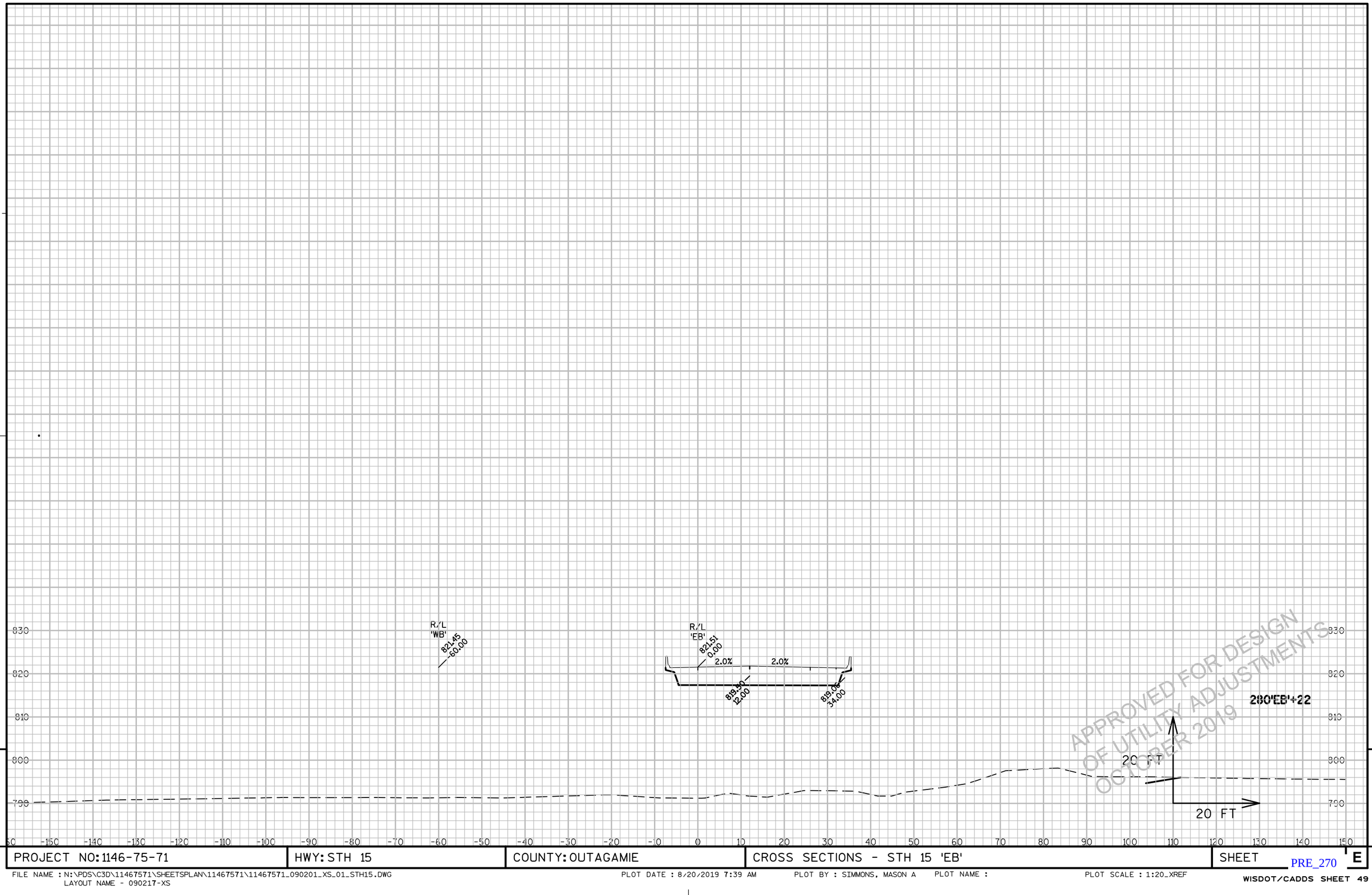
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PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS - STH 15 'EB'	SHEET E

PRE_269

FILE NAME : N:\PDS\C3D\11467571\SHEETSPLAN\11467571\11467571_090201_XS_01_STH15.DWG
LAYOUT NAME - 090216-XS

PLOT DATE : 8/20/2019 7:39 AM PLOT BY : SIMMONS, MASON A PLOT NAME : PLOT SCALE : 1:20_XREF



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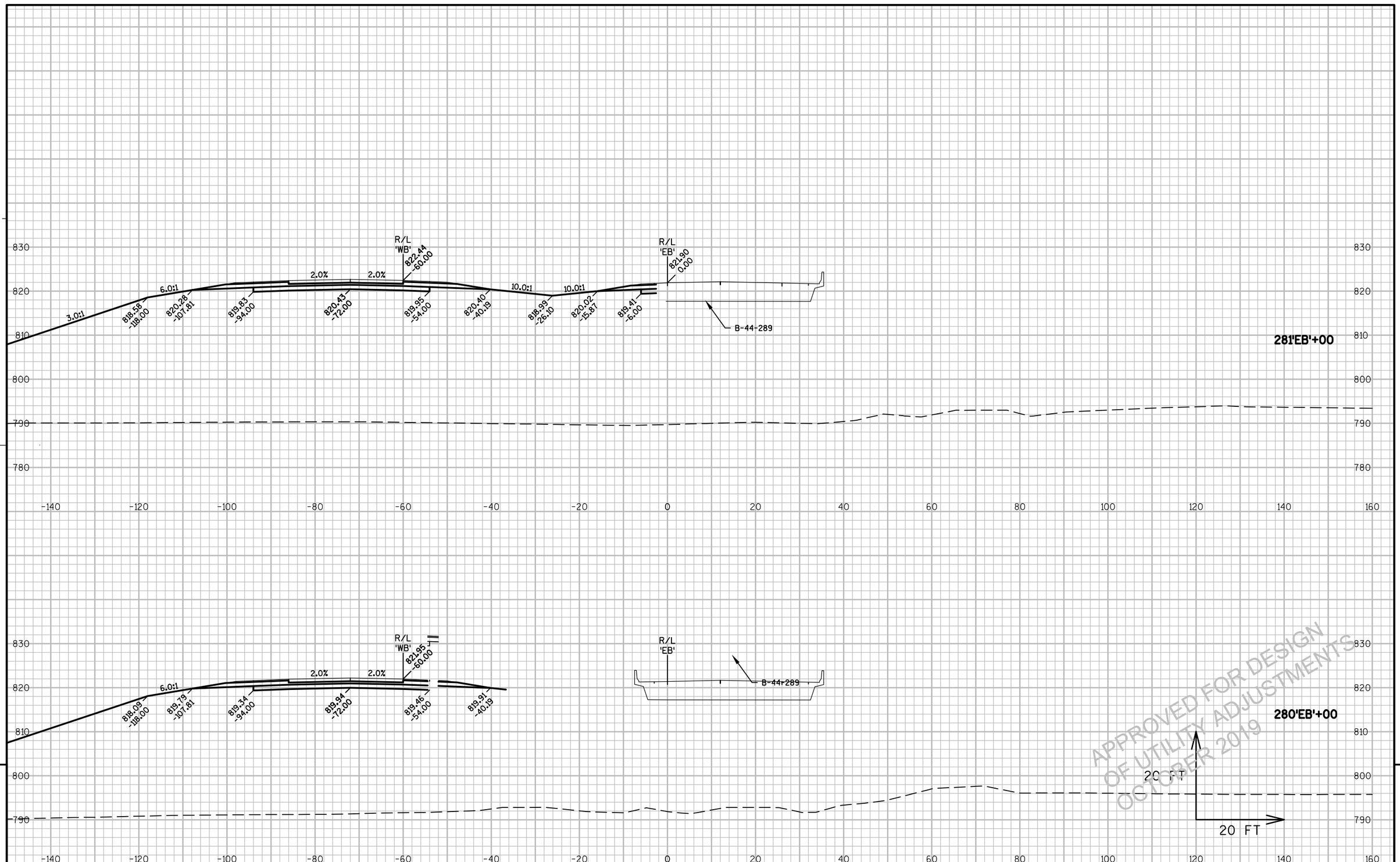
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PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS - STH 15 'EB'	SHEET E

PRE_270

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LAYOUT NAME - 090217-XS

PLOT DATE : 8/20/2019 7:39 AM PLOT BY : SIMMONS, MASON A PLOT NAME : PLOT SCALE : 1:20_XREF



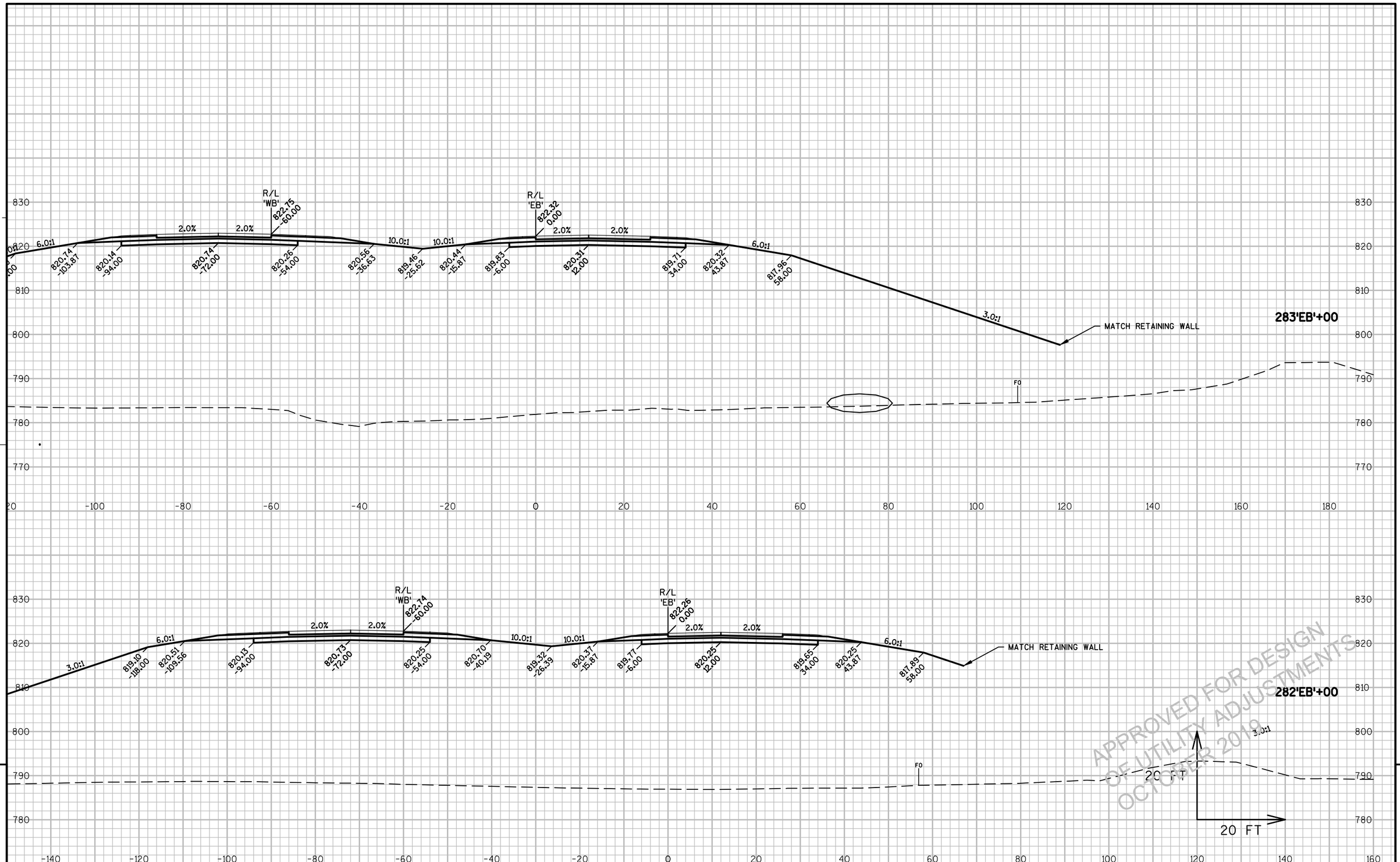
PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS - STH 15 'EB'	SHEET E

PRE_271

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LAYOUT NAME - 090217_XS

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WISDOT/CADDS SHEET 49

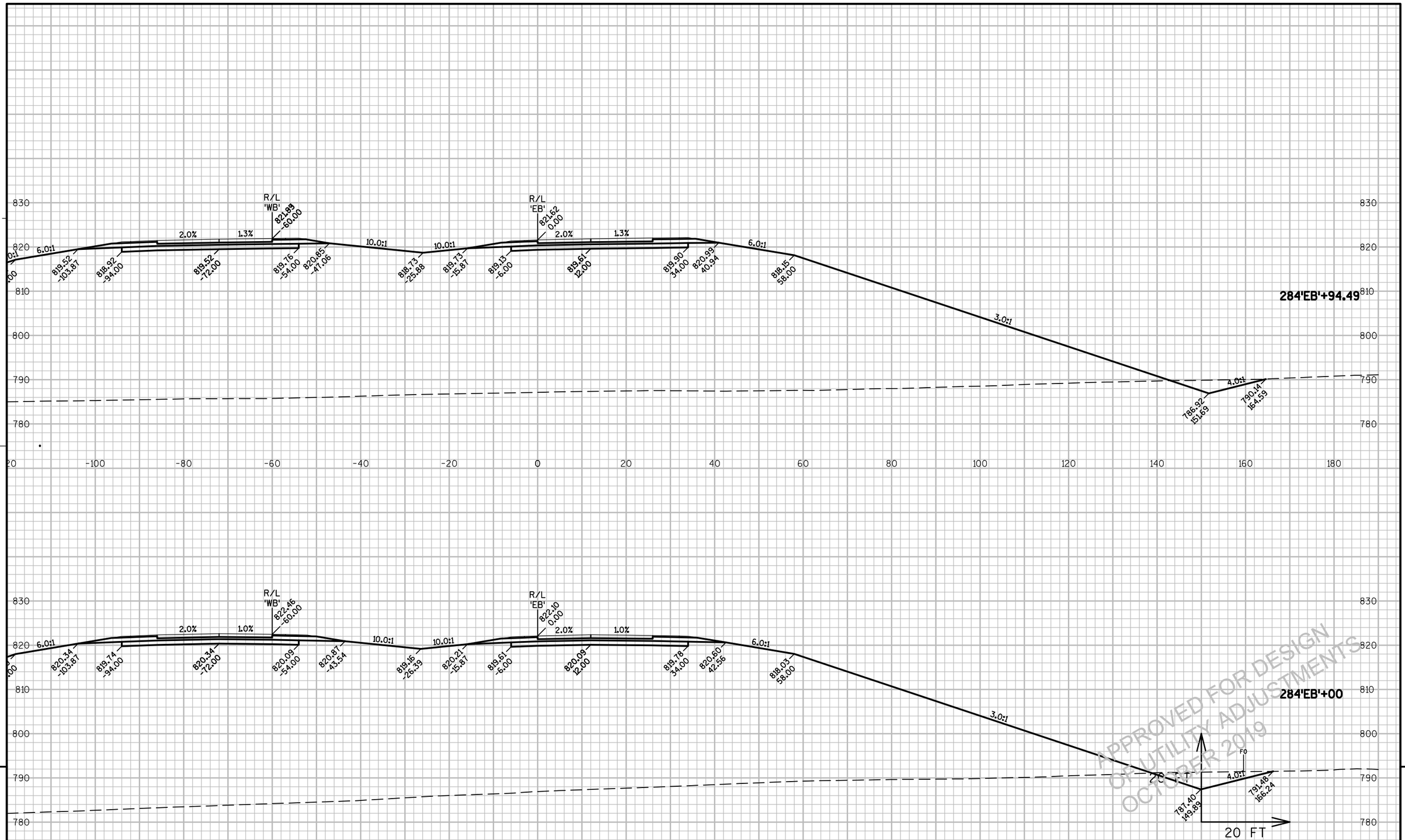


PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS - STH 15 'EB'	SHEET E

PRE_272

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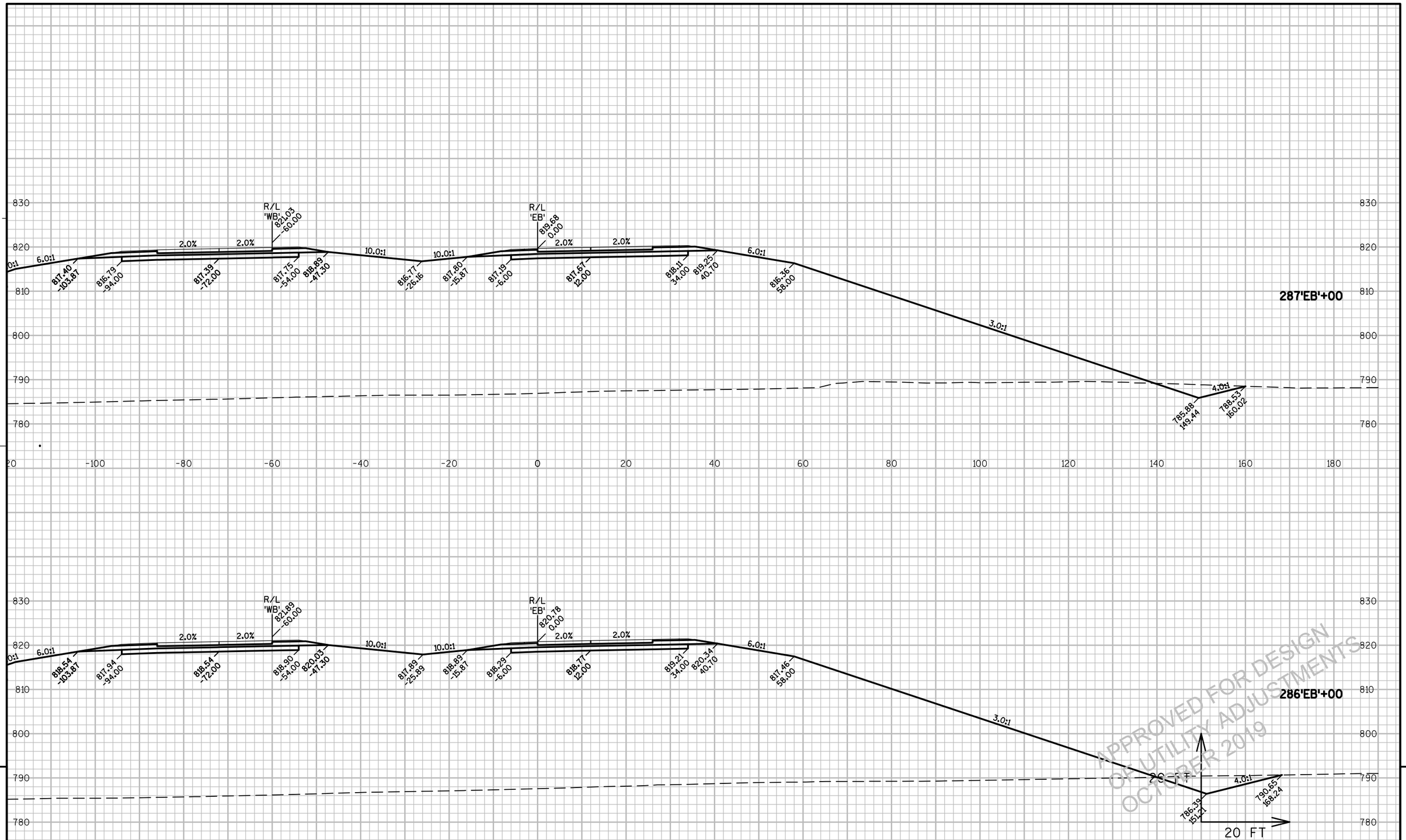


PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS - STH 15 'EB'	SHEET E

PRE_273

FILE NAME : N:\PDS\C3D\11467571\SHEETSPLAN\11467571\11467571_090201_XS_02_STH15.DWG
LAYOUT NAME - 090219_XS

PLOT DATE : 8/20/2019 8:01 AM PLOT BY : SIMMONS, MASON A PLOT NAME : PLOT SCALE : 1:20_XREF



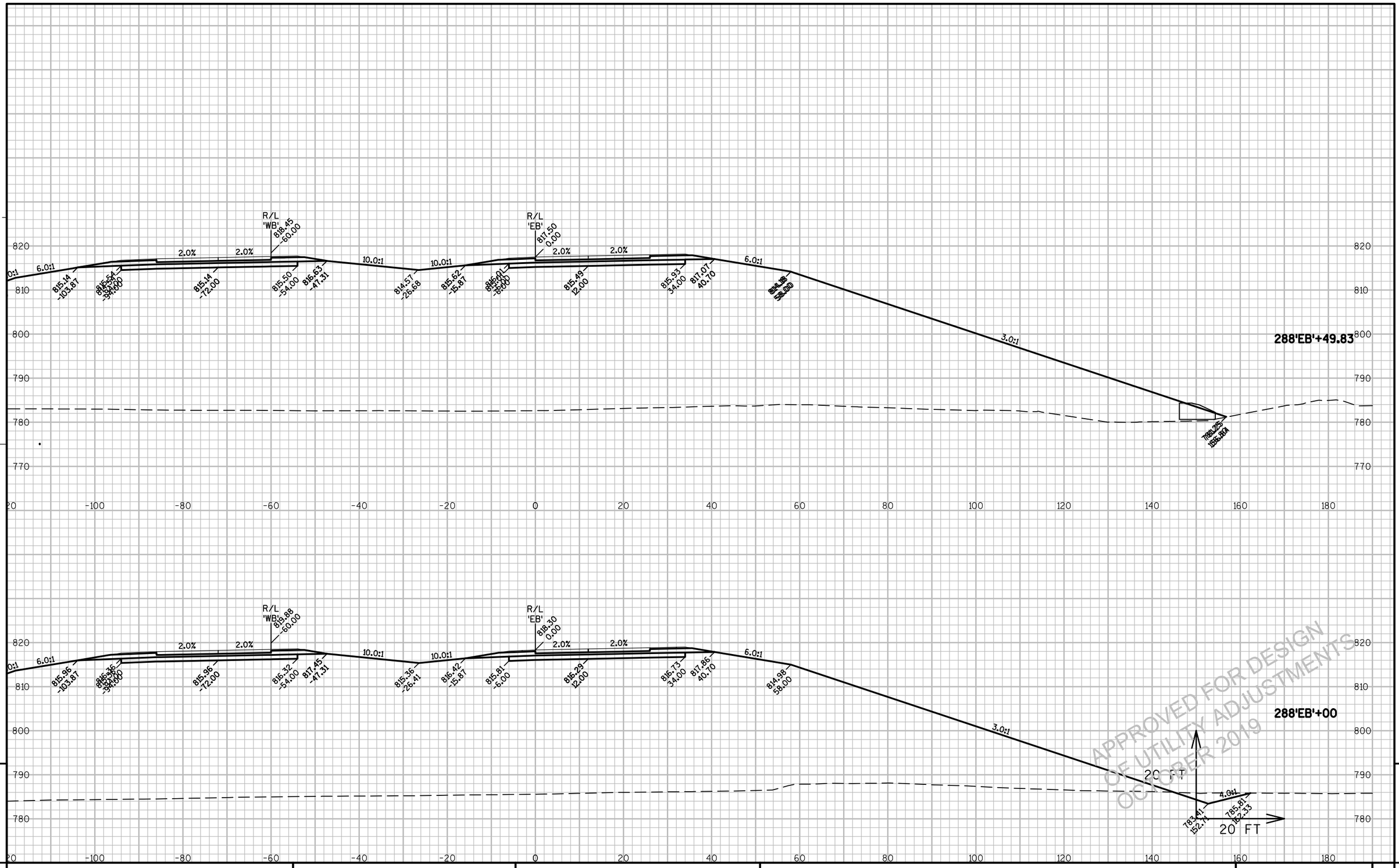
PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS - STH 15 'EB'	SHEET E

PRE_274

FILE NAME : N:\PDS\C3D\11467571\SHEETSPLAN\11467571\11467571_090201_XS_02_STH15.DWG
LAYOUT NAME - 090220_XS

PLOT DATE : 8/20/2019 8:01 AM PLOT BY : SIMMONS, MASON A PLOT NAME : PLOT SCALE : 1:20_XREF

WISDOT/CADDS SHEET 49



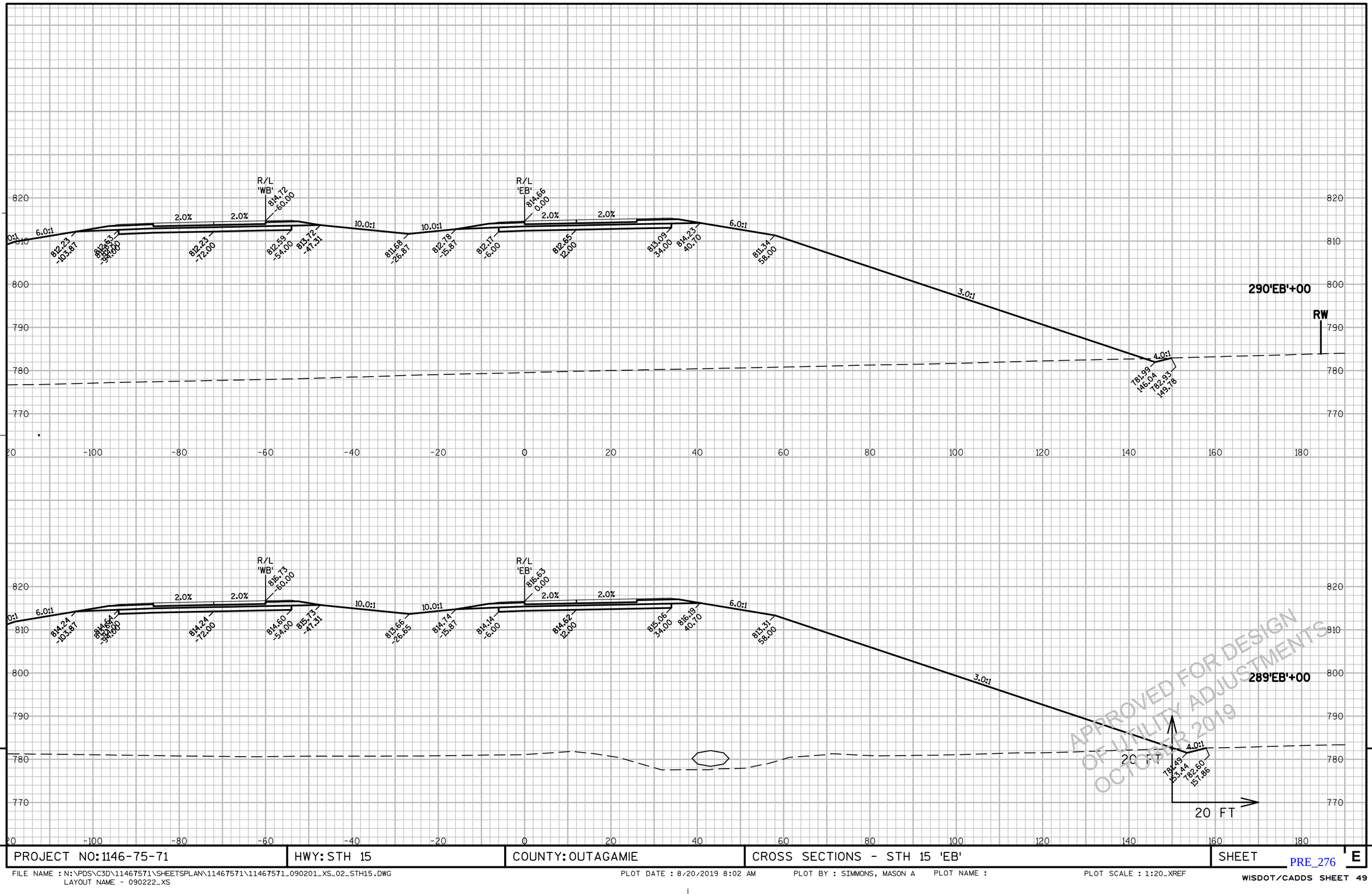
PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS - STH 15 'EB'	SHEET E

PRE_275

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LAYOUT NAME - 090221_XS

PLOT DATE : 8/20/2019 8:01 AM PLOT BY : SIMMONS, MASON A PLOT NAME : PLOT SCALE : 1:20_XREF

WISDOT/CADDS SHEET 49

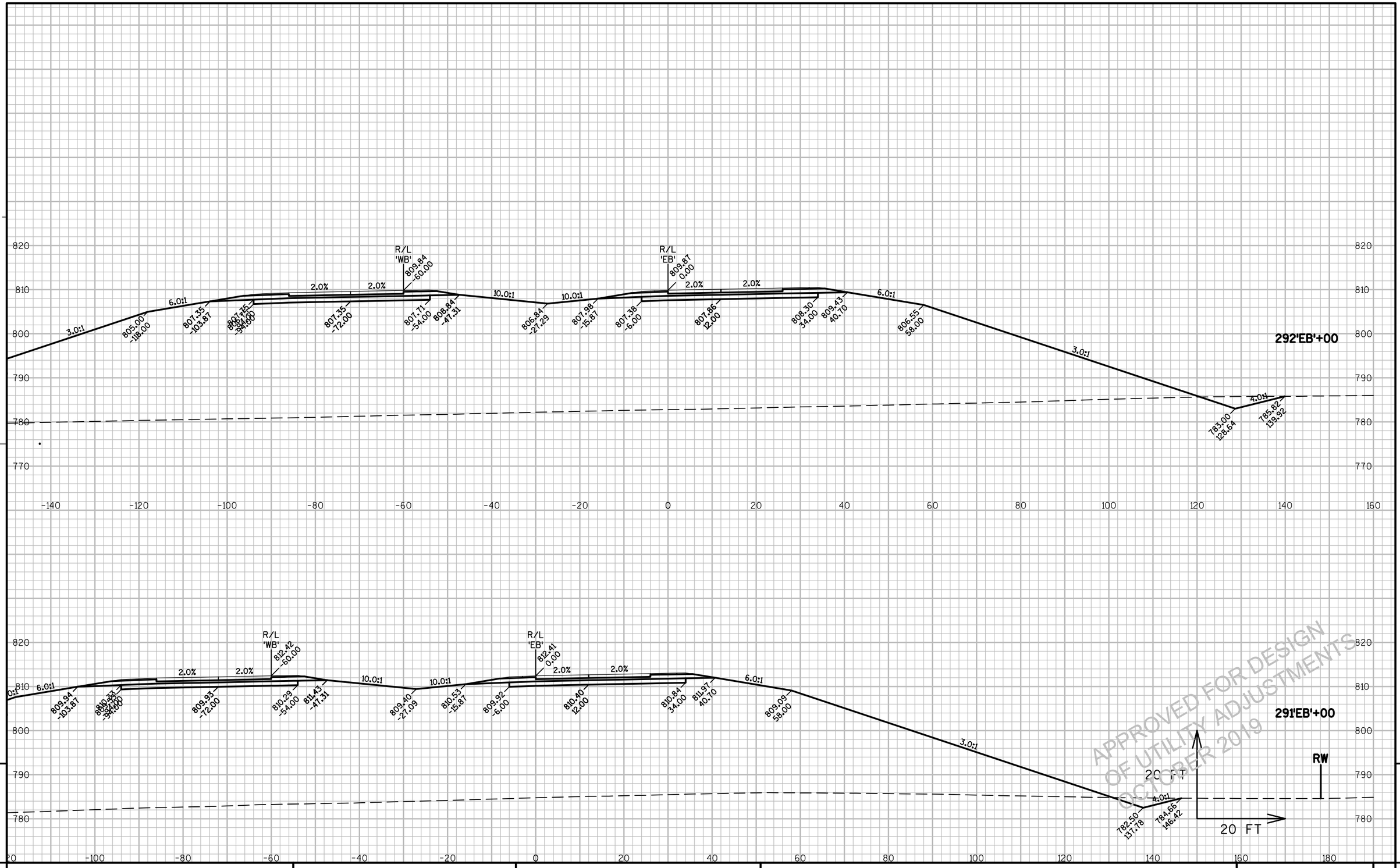


PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS - STH 15 'EB'	SHEET E

PRE_276

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LAYOUT NAME - 090222_XS

PLOT DATE : 8/20/2019 8:02 AM PLOT BY : SIMMONS, MASON A PLOT NAME : PLOT SCALE : 1:20_XREF

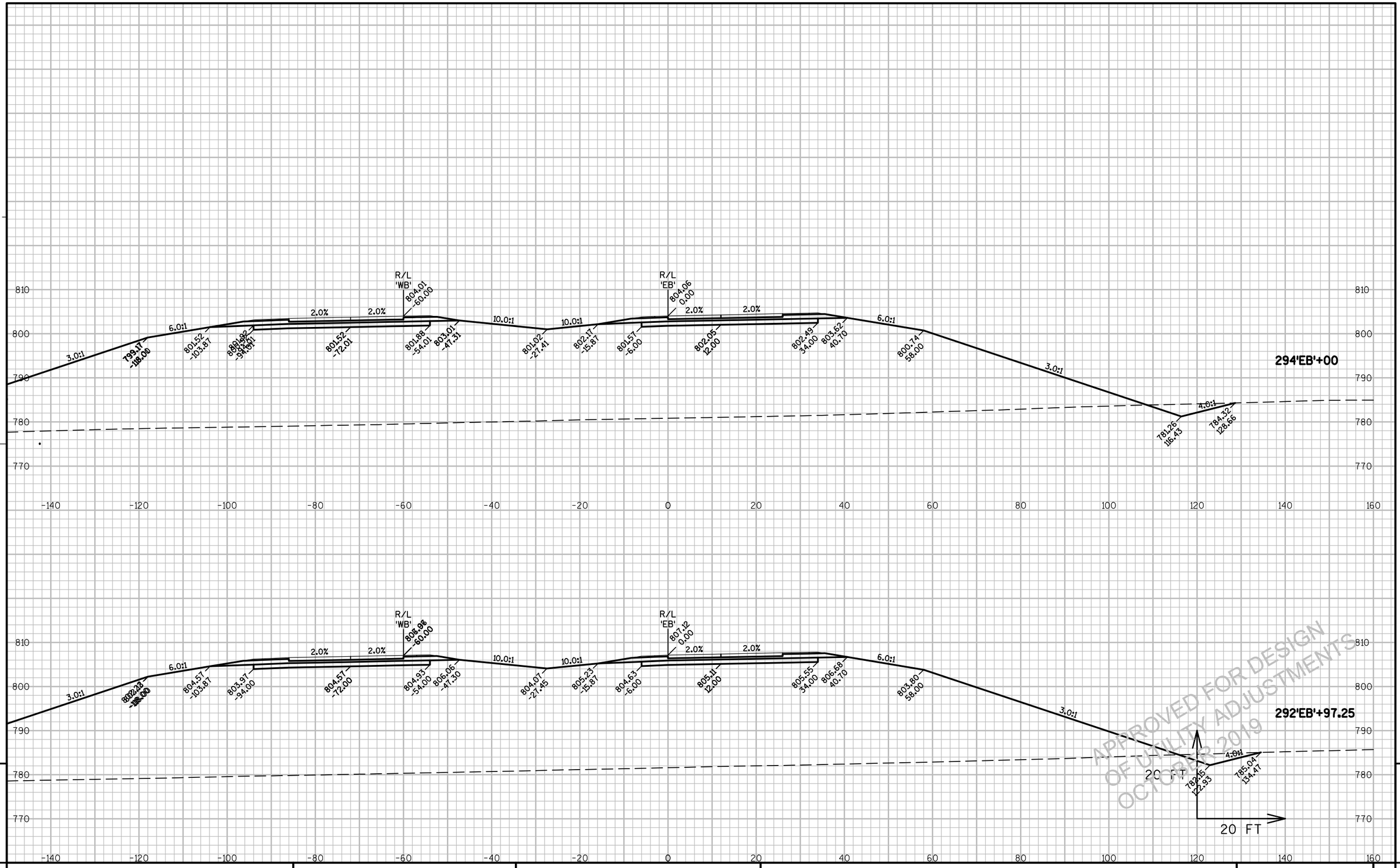


PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS - STH 15 'EB'	SHEET E

PRE_277

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PLOT DATE : 8/20/2019 8:02 AM PLOT BY : SIMMONS, MASON A PLOT NAME : PLOT SCALE : 1:20_XREF



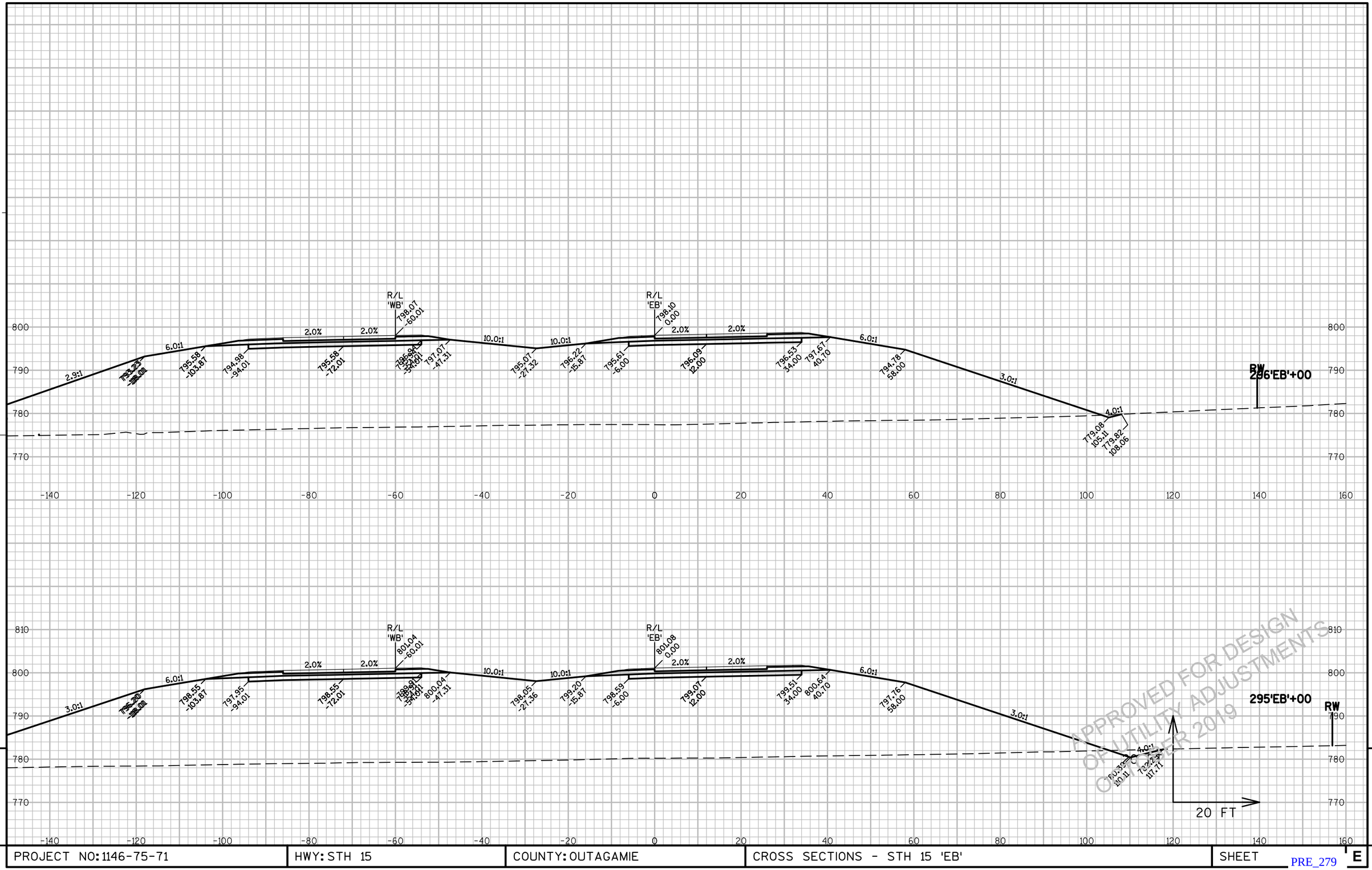
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PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS - STH 15 'EB'	SHEET E

PRE_278

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PLOT DATE : 8/20/2019 8:02 AM PLOT BY : SIMMONS, MASON A PLOT NAME : PLOT SCALE : 1:20_XREF



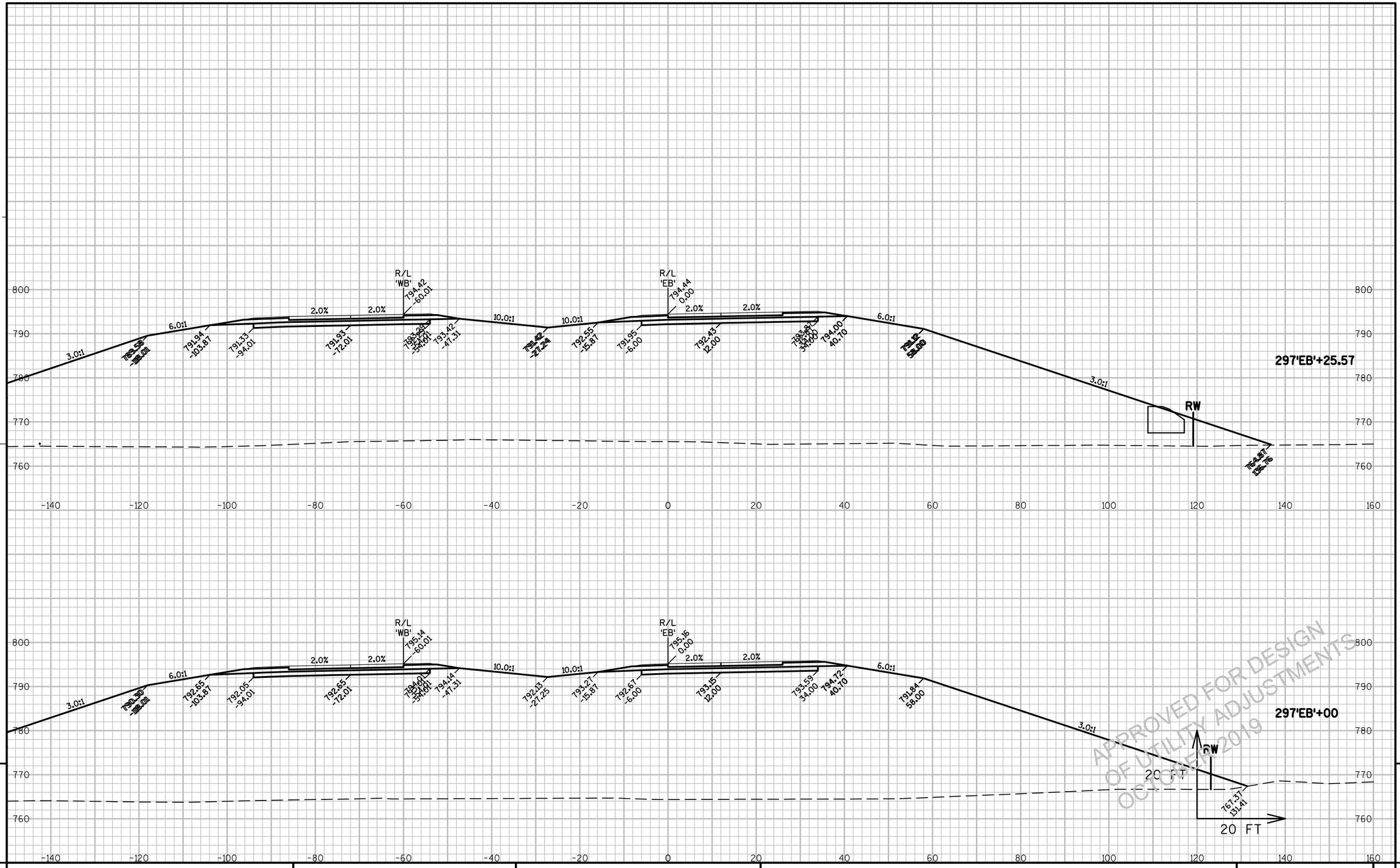
PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS - STH 15 'EB'	SHEET E

PRE_279

FILE NAME : N:\PDS\C3D\11467571\SHEETSPLAN\11467571\11467571_090201_XS_02_STH15.DWG
LAYOUT NAME - 090225_XS

PLOT DATE : 8/20/2019 8:02 AM PLOT BY : SIMMONS, MASON A PLOT NAME : PLOT SCALE : 1:20_XREF

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OF UTILITY ADJUSTMENTS
OCTOBER 2019

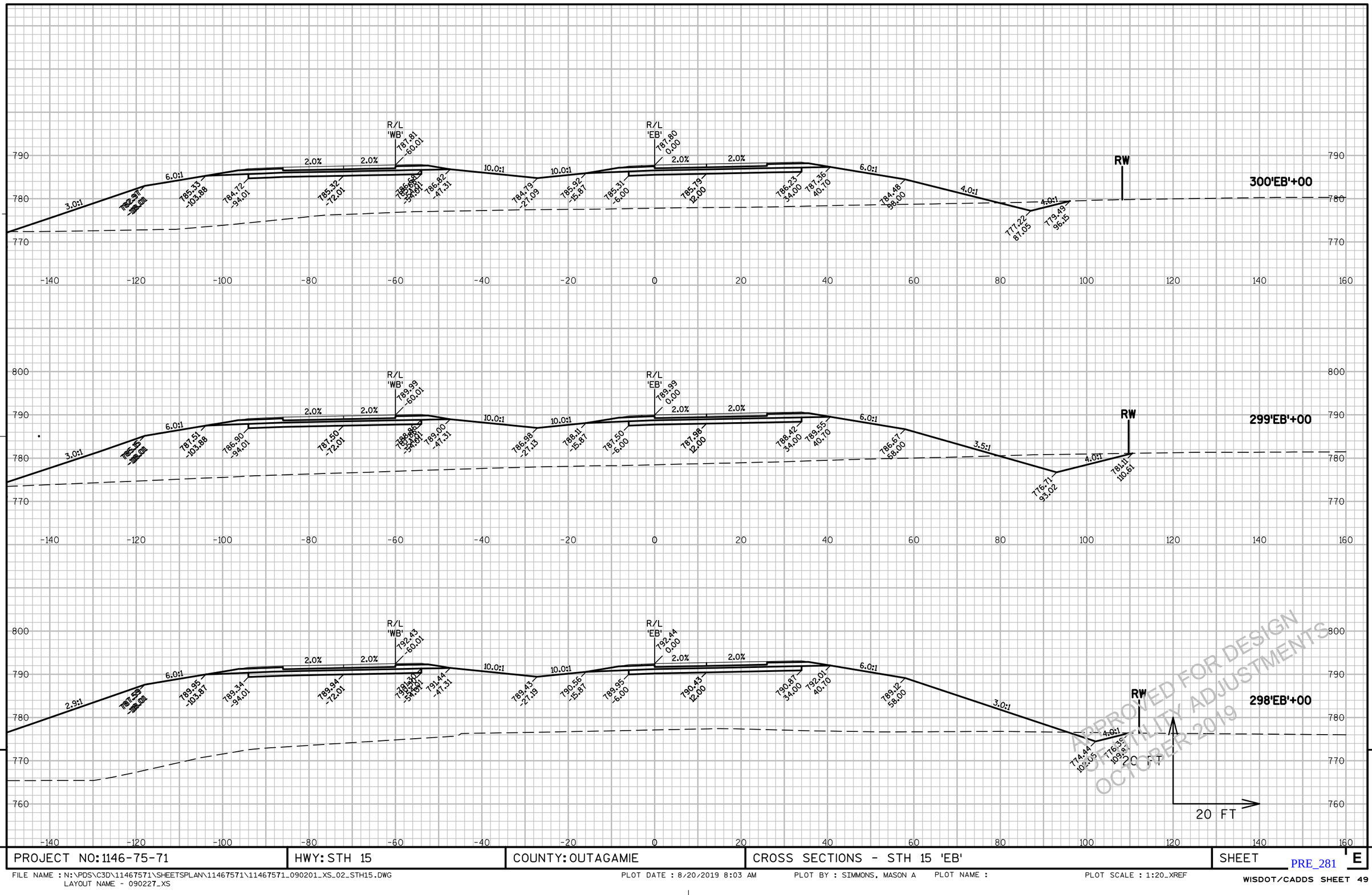
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PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS - STH 15 'EB'	SHEET E

PRE_280

FILE NAME : N:\PDS\C3D\11467571\SHEETSPLAN\11467571\11467571_090201_XS_02_STH15.DWG
LAYOUT NAME - 090226_XS

PLOT DATE : 8/20/2019 8:03 AM PLOT BY : SIMMONS, MASON A PLOT NAME : PLOT SCALE : 1:20_XREF



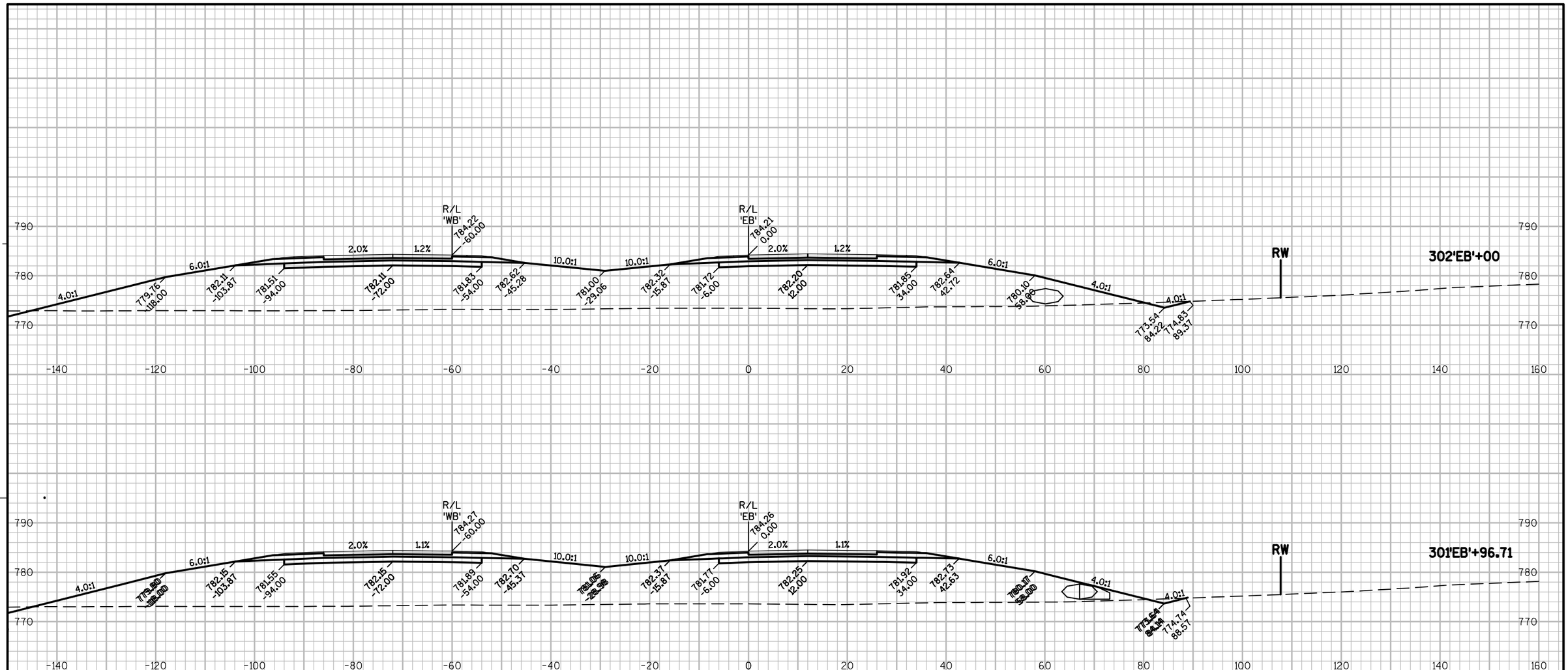
PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS - STH 15 'EB'	SHEET E

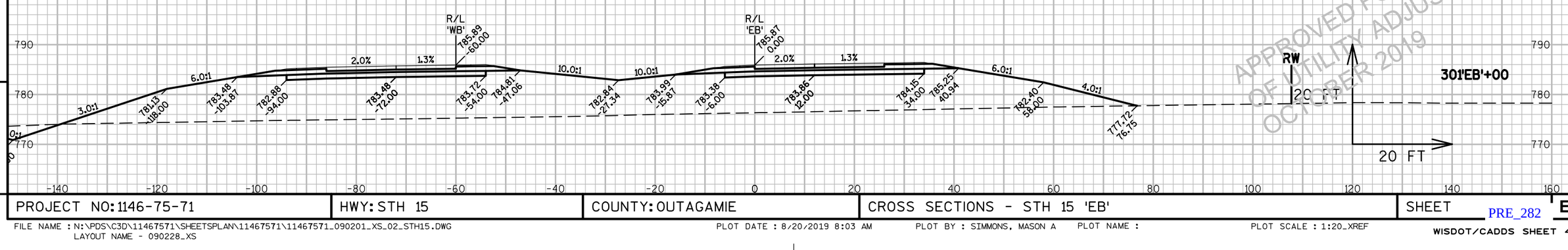
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LAYOUT NAME - 090227_XS

PLOT DATE : 8/20/2019 8:03 AM PLOT BY : SIMMONS, MASON A PLOT NAME : PLOT SCALE : 1:20_XREF

PRE_281

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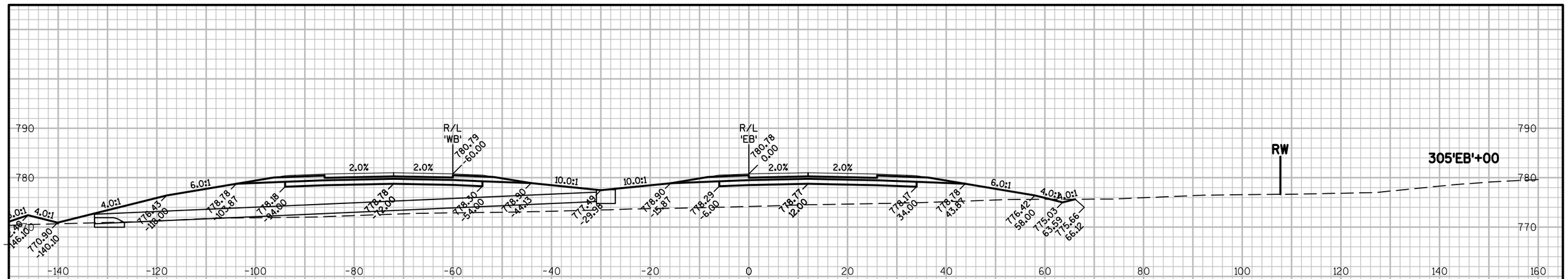
PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS - STH 15 'EB'	SHEET E

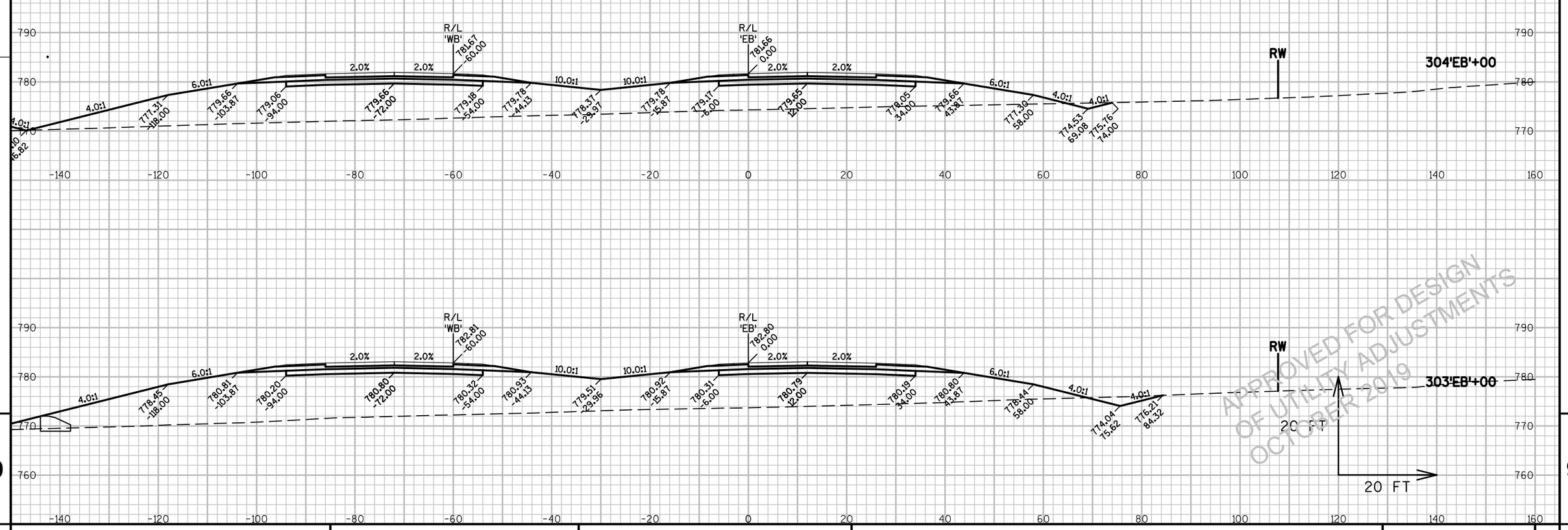
PRE_282

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LAYOUT NAME - 090228_XS

PLOT DATE : 8/20/2019 8:03 AM PLOT BY : SIMMONS, MASON A PLOT NAME : PLOT SCALE : 1:20_XREF

WISDOT/CADDS SHEET 49





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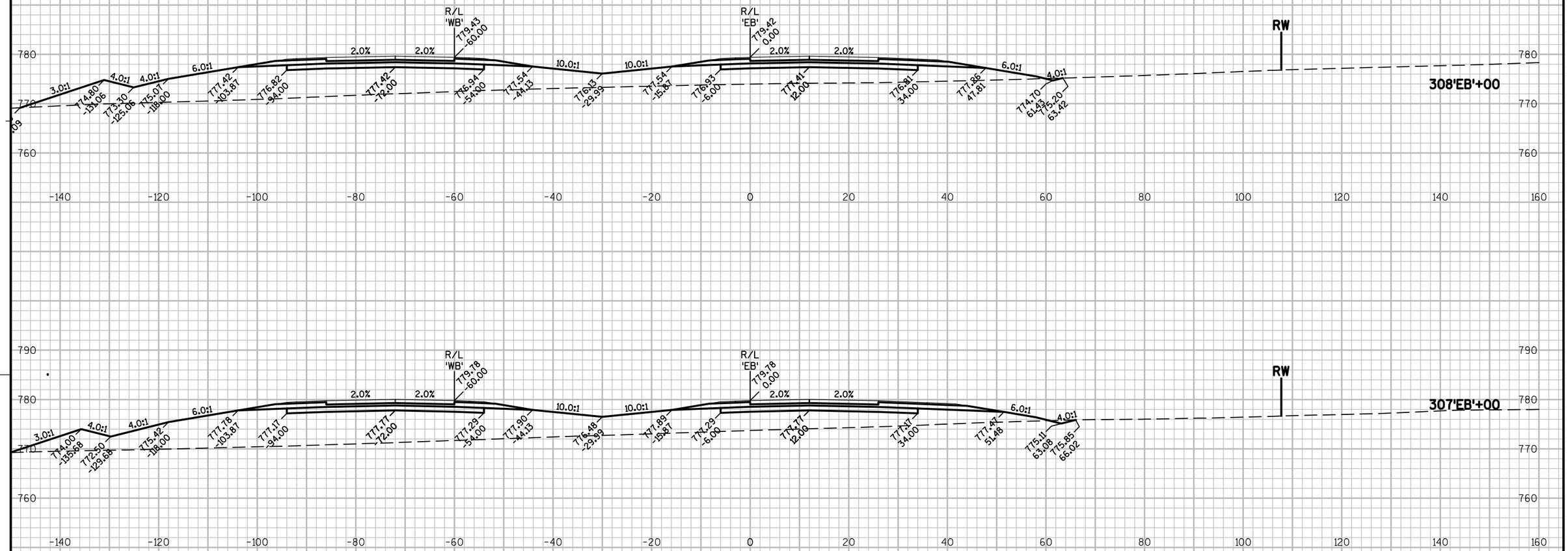
PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS - STH 15 'EB'	SHEET E

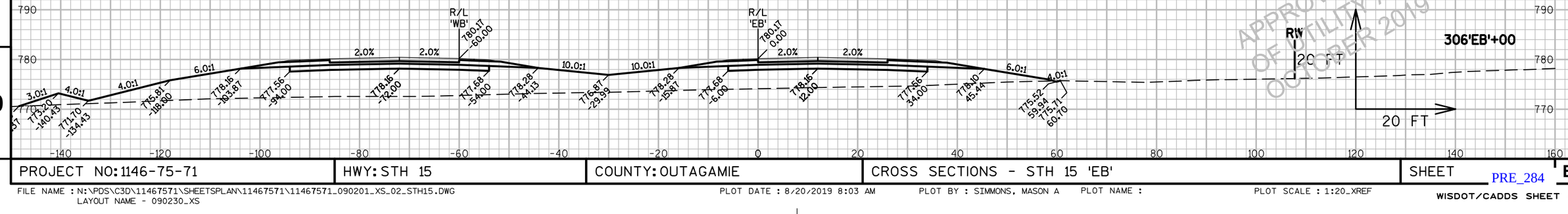
FILE NAME : N:\PDS\C3D\11467571\SHEETSPLAN\11467571\11467571_090201_XS_02_STH15.DWG
LAYOUT NAME - 090229_XS

PLOT DATE : 8/20/2019 8:03 AM PLOT BY : SIMMONS, MASON A PLOT NAME : PLOT SCALE : 1:20_XREF

PRE_283

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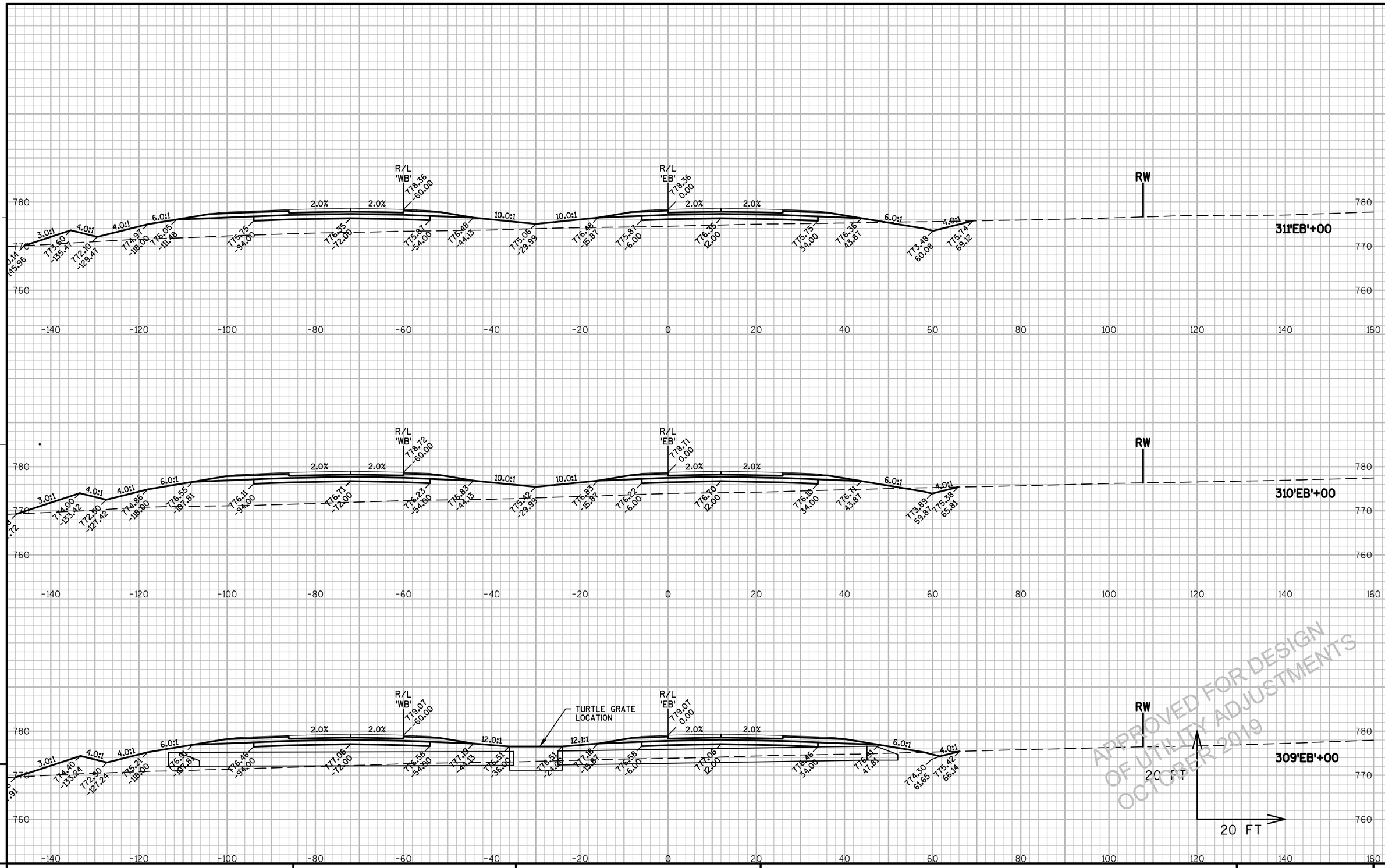
PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS - STH 15 'EB'	SHEET E

PRE_284

FILE NAME : N:\PDS\C3D\11467571\SHEETSPLAN\11467571\11467571_090201_XS_02_STH15.DWG
LAYOUT NAME - 090230_XS

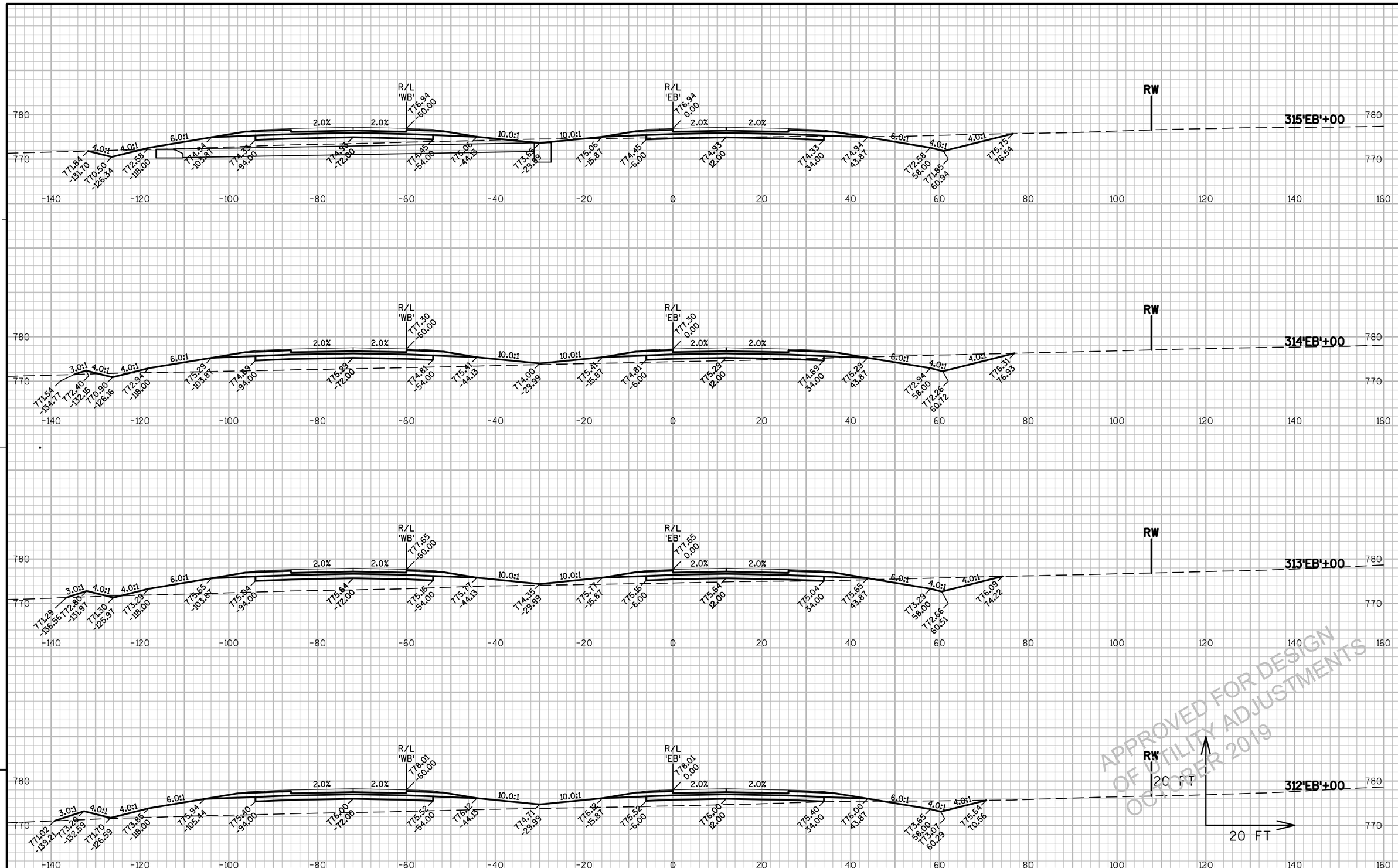
PLOT DATE : 8/20/2019 8:03 AM PLOT BY : SIMMONS, MASON A PLOT NAME : PLOT SCALE : 1:20_XREF

WISDOT/CADDS SHEET 49



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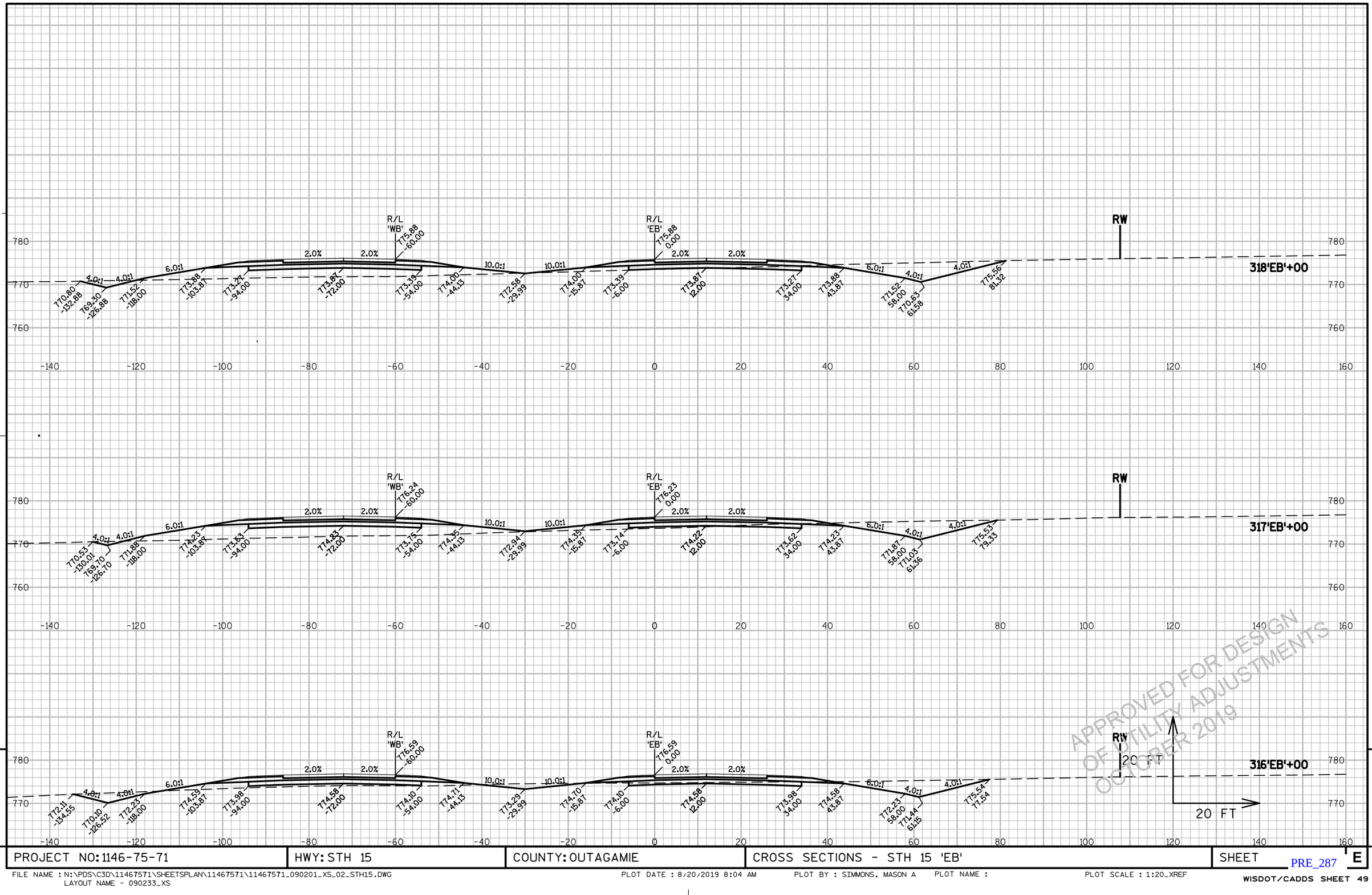
PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS - STH 15 'EB'	SHEET E



PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS - STH 15 'EB'	SHEET E

PRE_286

FILE NAME : N:\PDS\C3D\11467571\SHEETSPLAN\11467571\11467571_090201_XS_02_STH15.DWG
LAYOUT NAME - 090232_XS
PLOT DATE : 8/20/2019 8:04 AM PLOT BY : SIMMONS, MASON A PLOT NAME : PLOT SCALE : 1:20_XREF
WISDOT/CADDS SHEET 49



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OF UTILITY ADJUSTMENTS
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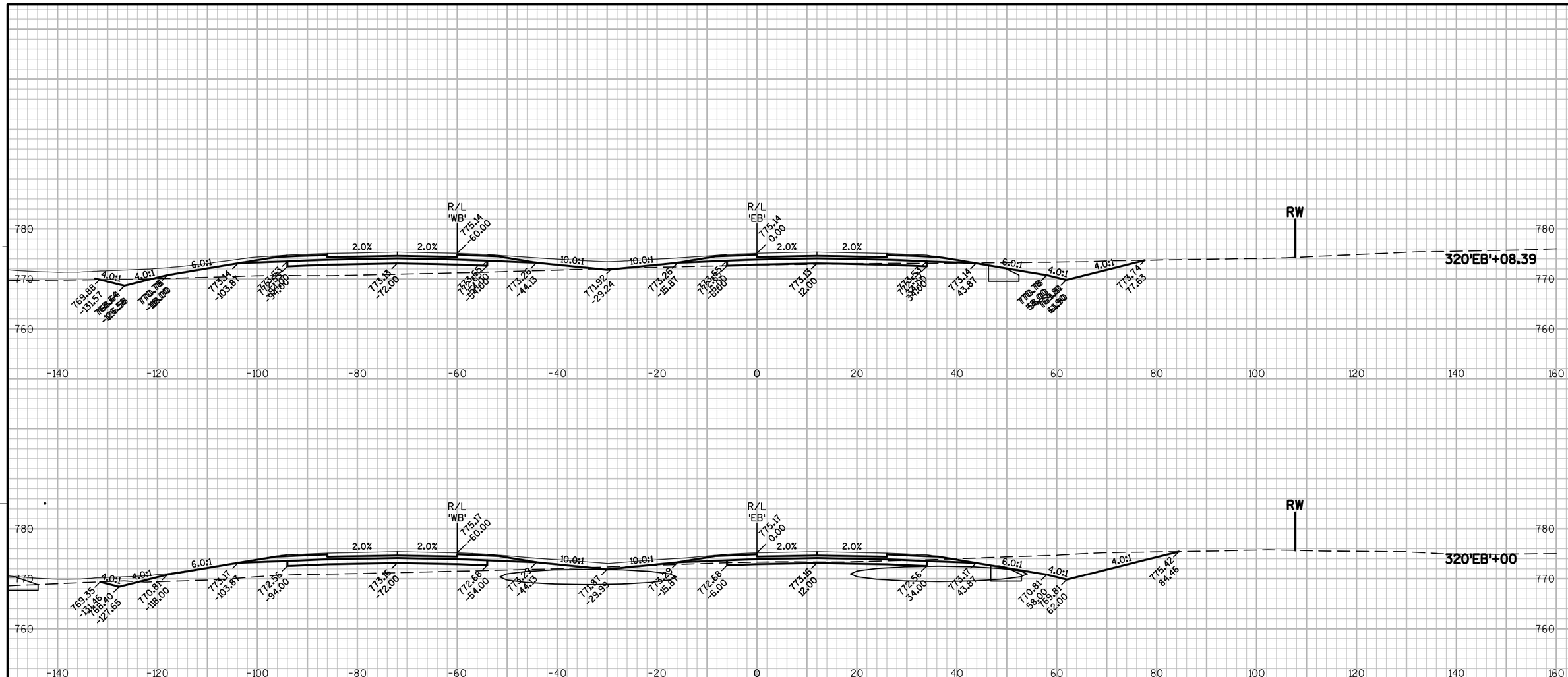
PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS - STH 15 'EB'	SHEET E

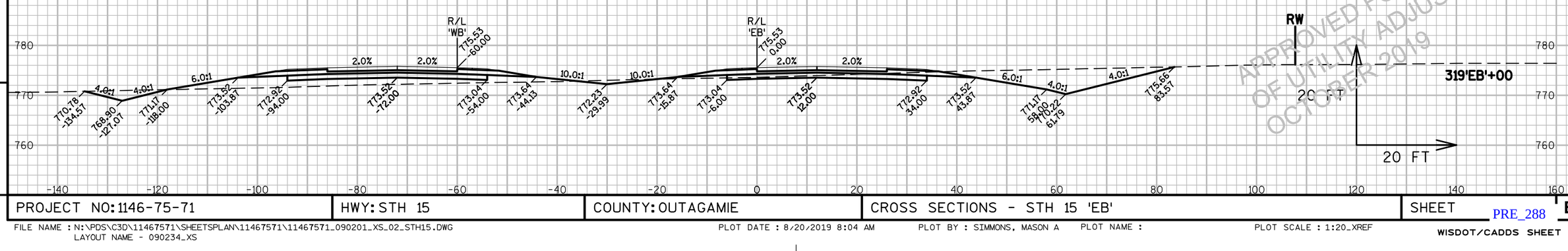
PRE_287

FILE NAME : N:\PDS\C3D\11467571\SHEETSPLAN\11467571\11467571_090201_XS_02_STH15.DWG
LAYOUT NAME - 090233_XS

PLOT DATE : 8/20/2019 8:04 AM PLOT BY : SIMMONS, MASON A PLOT NAME : PLOT SCALE : 1:20_XREF

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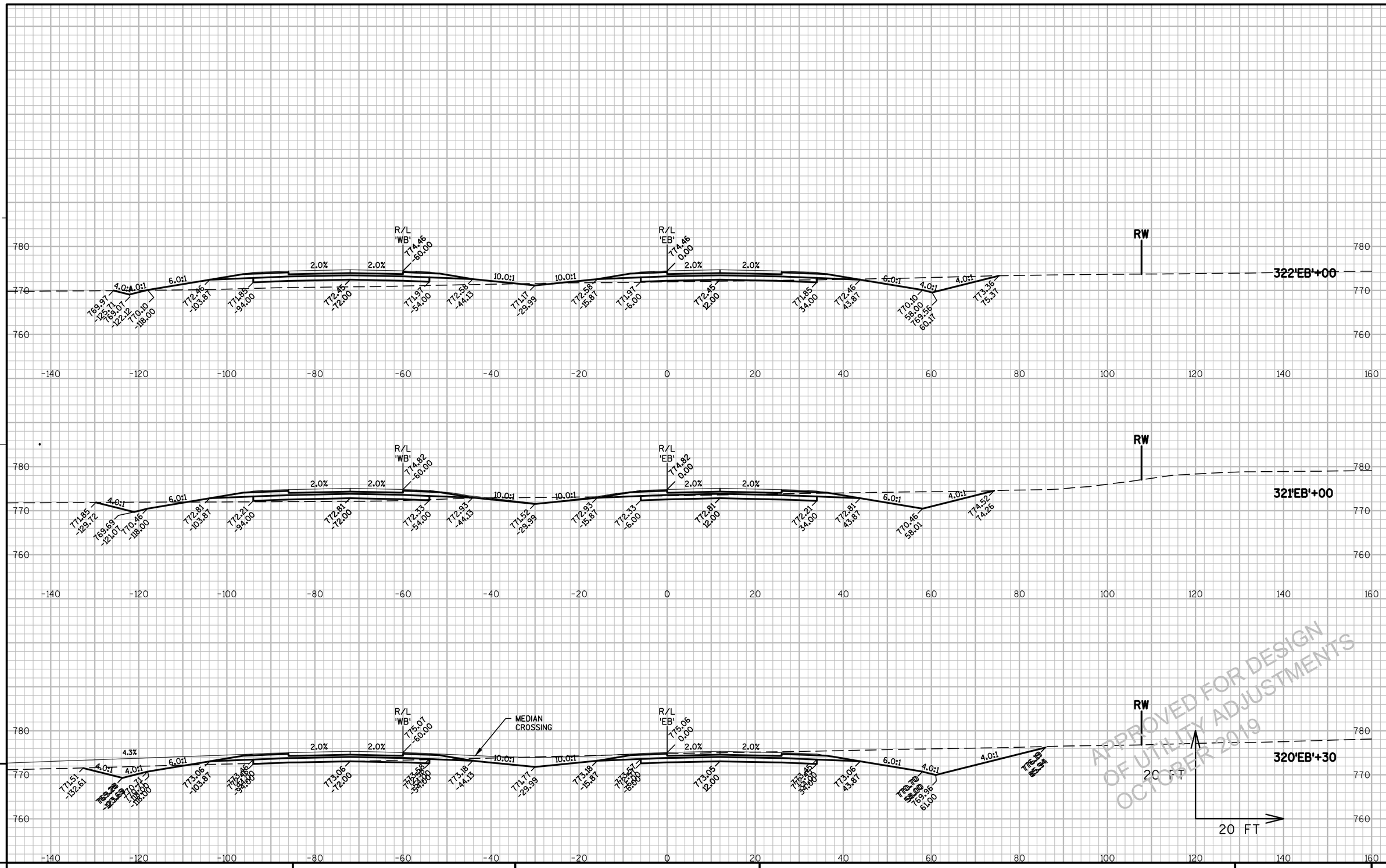
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PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS - STH 15 'EB'	SHEET E

PRE_288

FILE NAME : N:\PDS\C3D\11467571\SHEETSPLAN\11467571\11467571_090201_XS_02_STH15.DWG
LAYOUT NAME - 090234_XS

PLOT DATE : 8/20/2019 8:04 AM PLOT BY : SIMMONS, MASON A PLOT NAME : PLOT SCALE : 1:20_XREF



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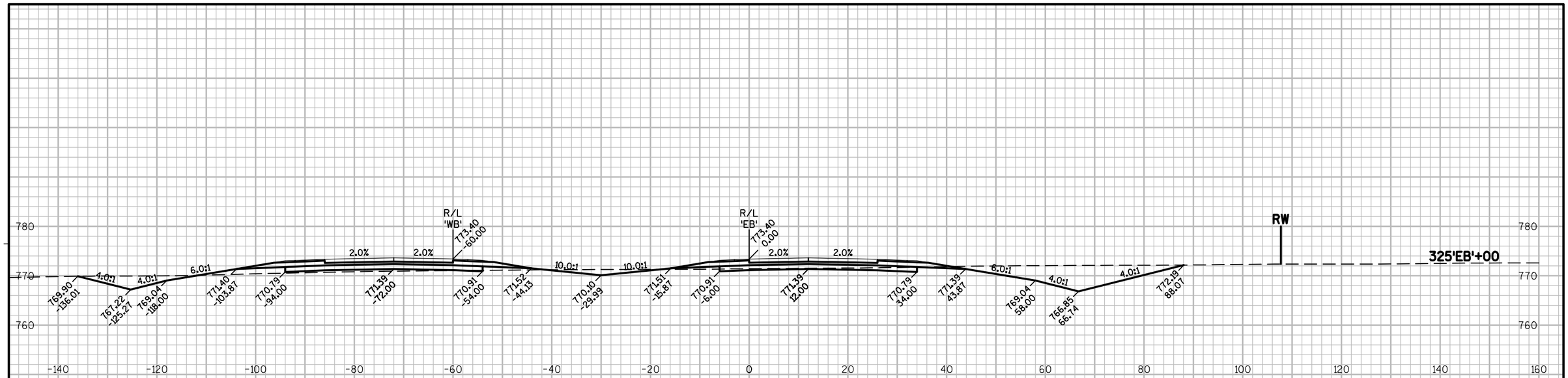
PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS - STH 15 'EB'	SHEET E

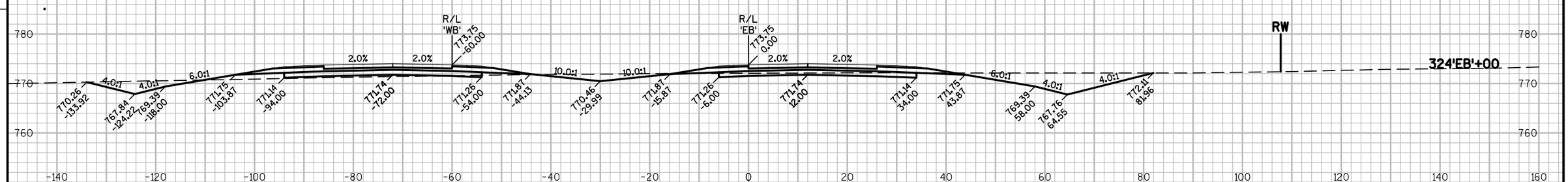
PRE_289

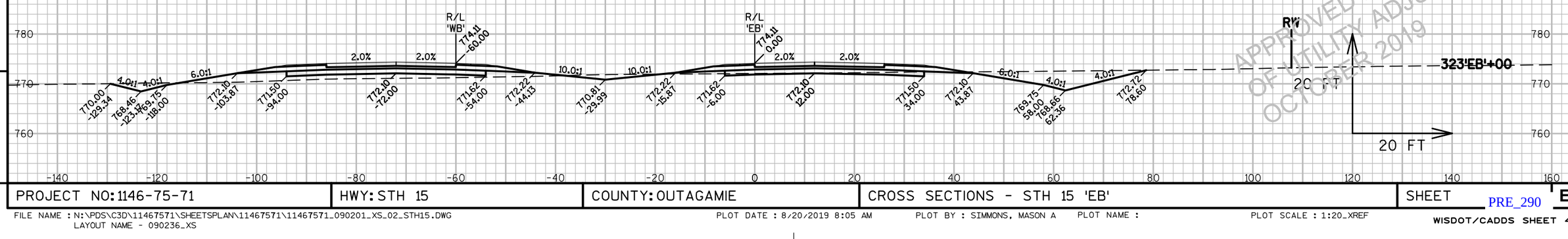
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LAYOUT NAME - 090235_XS

PLOT DATE : 8/20/2019 8:05 AM PLOT BY : SIMMONS, MASON A PLOT NAME : PLOT SCALE : 1:20_XREF

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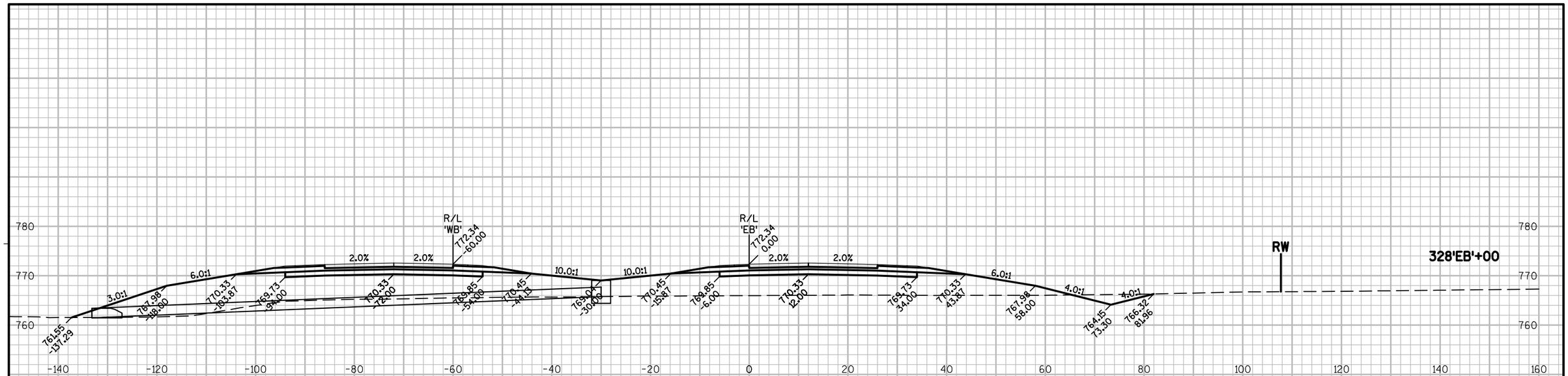


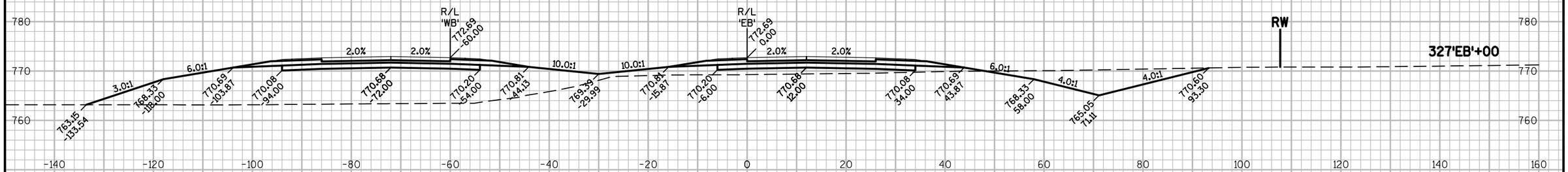


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PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS - STH 15 'EB'	SHEET E







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OF UTILITY ADJUSTMENTS
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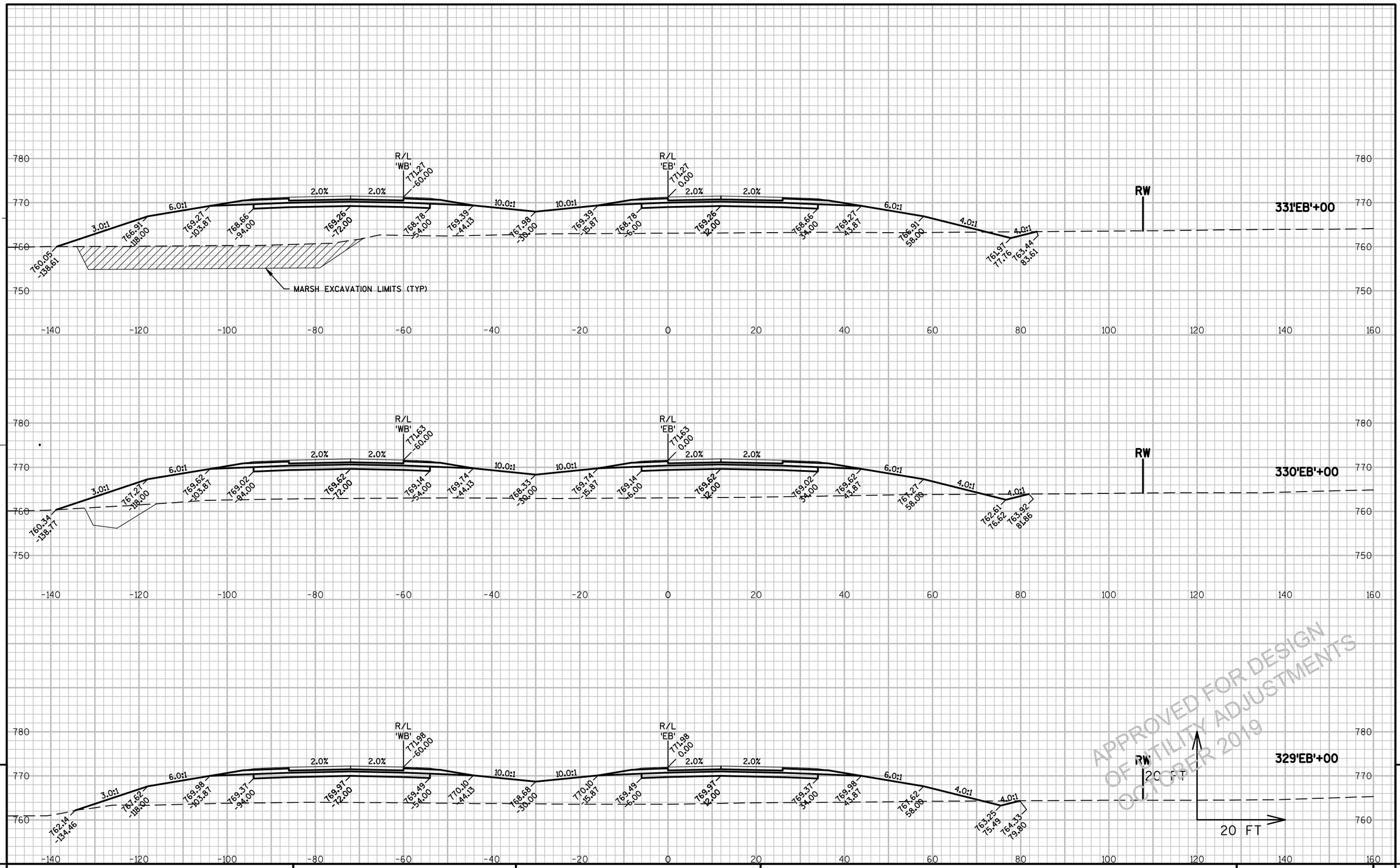
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PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS - STH 15 'EB'	SHEET E

PRE_291

FILE NAME : N:\PDS\C3D\11467571\SHEETSPLAN\11467571\11467571_090201_XS_02_STH15.DWG
LAYOUT NAME - 090237_XS

PLOT DATE : 8/20/2019 8:05 AM PLOT BY : SIMMONS, MASON A PLOT NAME : PLOT SCALE : 1:20_XREF



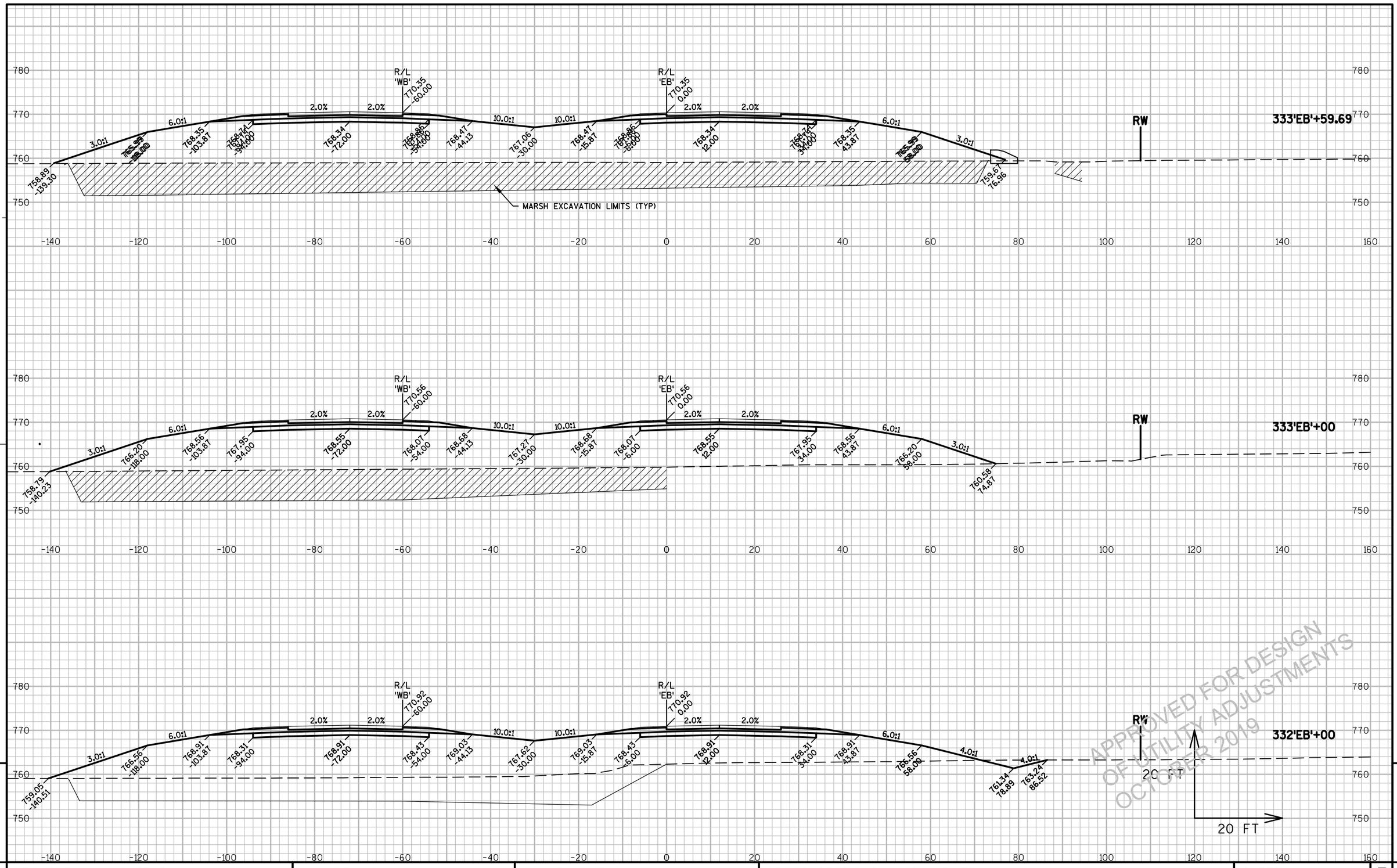
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PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS - STH 15 'EB'	SHEET E

FILE NAME : N:\PDS\C3D\11467571\SHEETSPLAN\11467571\11467571_090201_XS_02_STH15.DWG
LAYOUT NAME - 090238_XS

PLOT DATE : 8/20/2019 8:05 AM PLOT BY : SIMMONS, MASON A PLOT NAME : PLOT SCALE : 1:20_XREF



PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS - STH 15 'EB'	SHEET E

FILE NAME : N:\PDS\C3D\11467571\SHEETSPLAN\11467571\11467571_090201_XS_02_STH15.DWG
LAYOUT NAME - 090239_XS

PLOT DATE : 8/20/2019 8:06 AM PLOT BY : SIMMONS, MASON A PLOT NAME : PLOT SCALE : 1:20_XREF

PRE_293

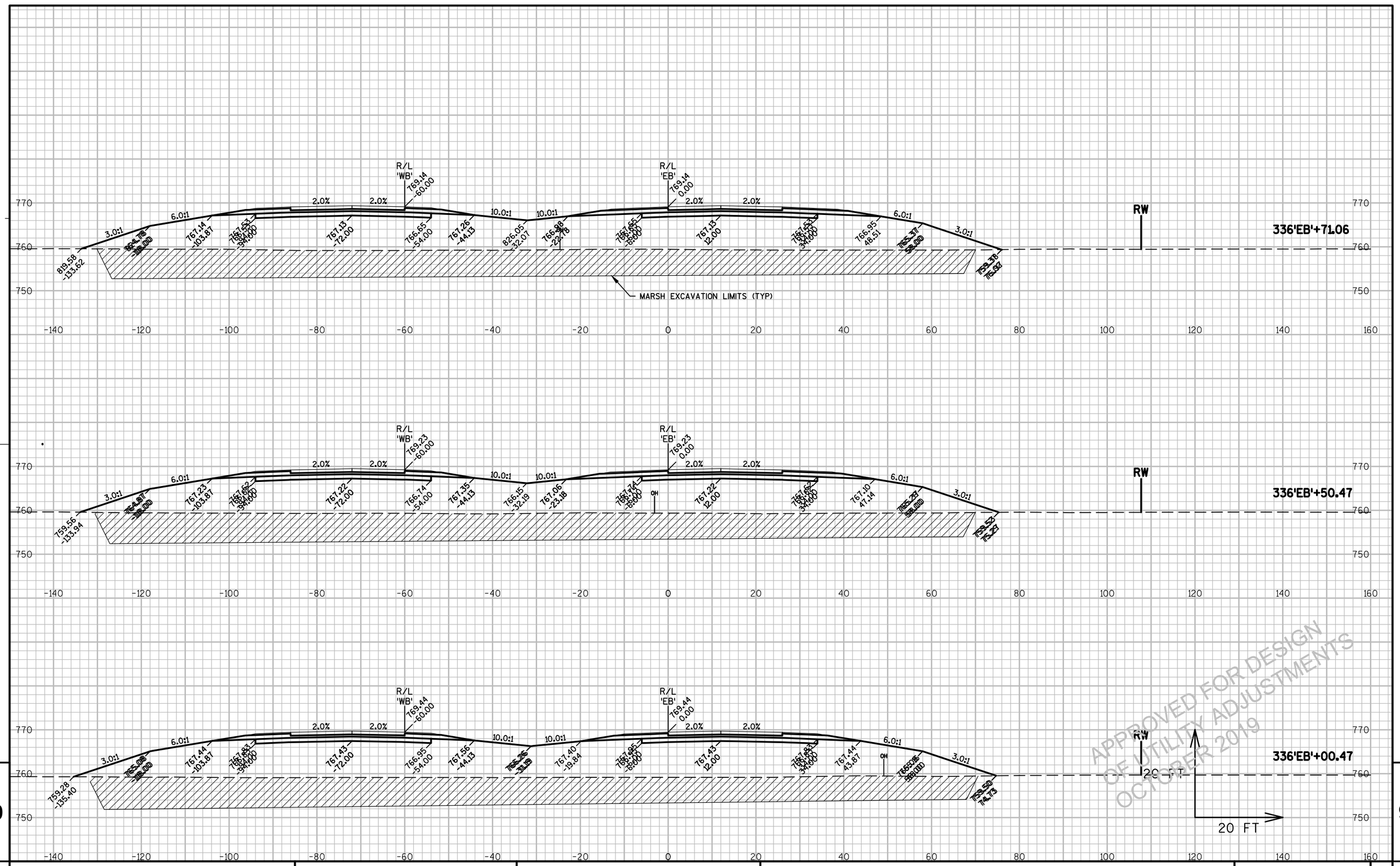
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PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS - STH 15 'EB'	SHEET E

FILE NAME : N:\PDS\C3D\11467571\SHEETSPLAN\11467571\11467571_090201_XS_02_STH15.DWG
LAYOUT NAME - 090240_XS

PLOT DATE : 8/20/2019 8:06 AM PLOT BY : SIMMONS, MASON A PLOT NAME : PLOT SCALE : 1:20_XREF



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OF UTILITY ADJUSTMENTS
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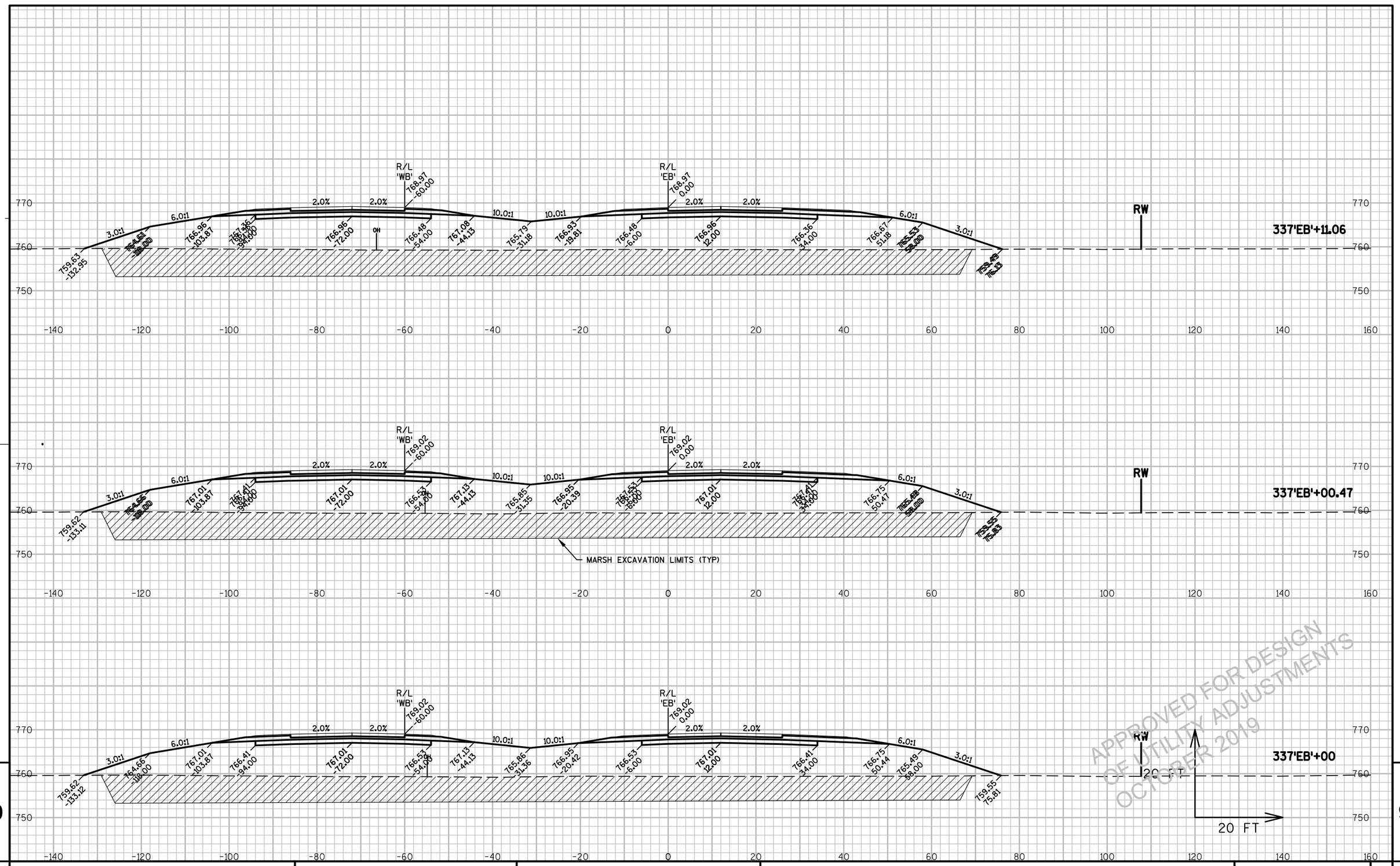
PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS - STH 15 'EB'	SHEET E

FILE NAME : N:\PDS\C3D\11467571\SHEETSPLAN\11467571\11467571_090201_XS_02_STH15.DWG
LAYOUT NAME - 090241_XS

PLOT DATE : 8/20/2019 8:06 AM PLOT BY : SIMMONS, MASON A PLOT NAME : PLOT SCALE : 1:20_XREF

PRE_295

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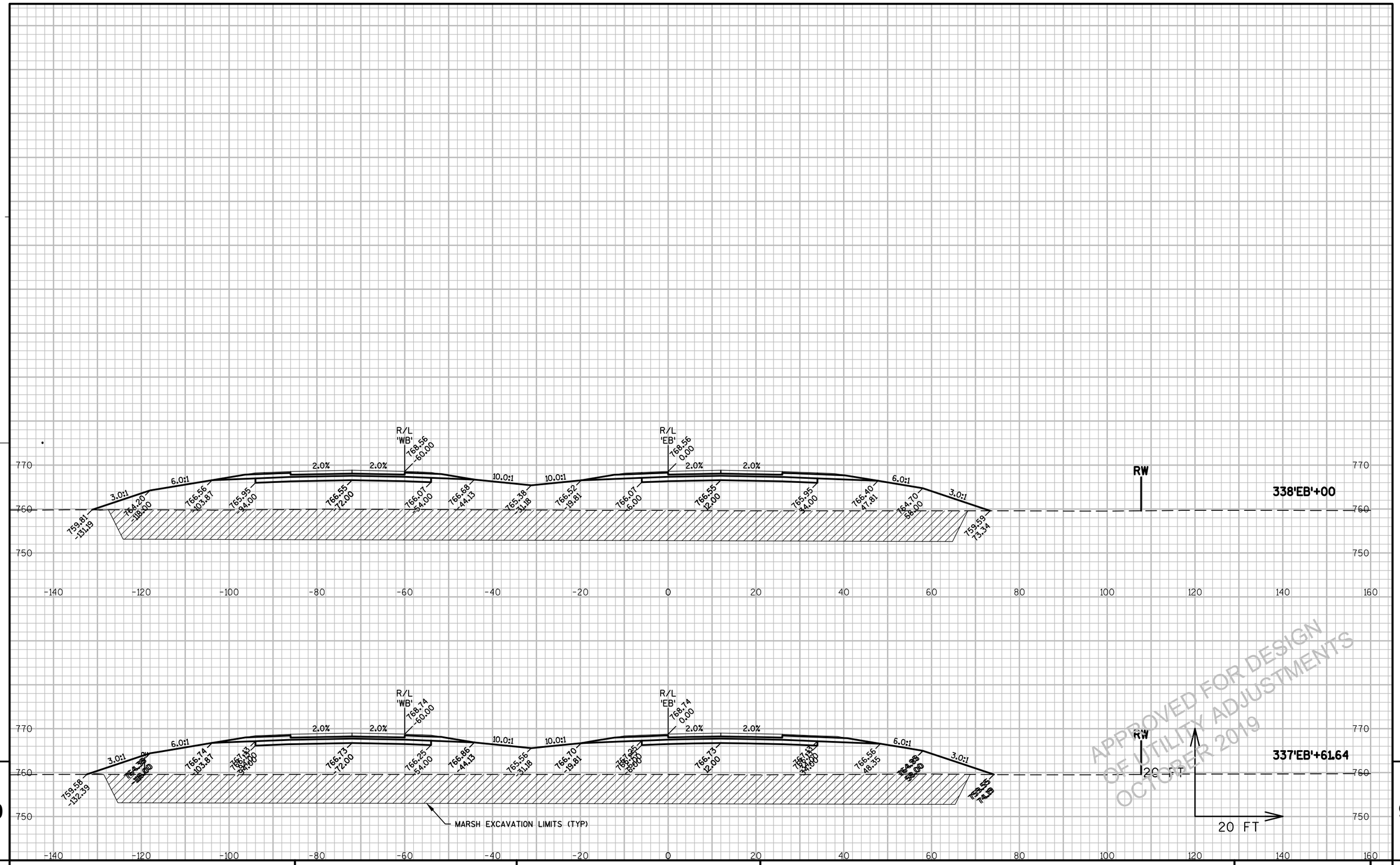
APPROVED FOR DESIGN OF UTILITY ADJUSTMENTS OCTOBER 2019

PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS - STH 15 'EB'	SHEET E

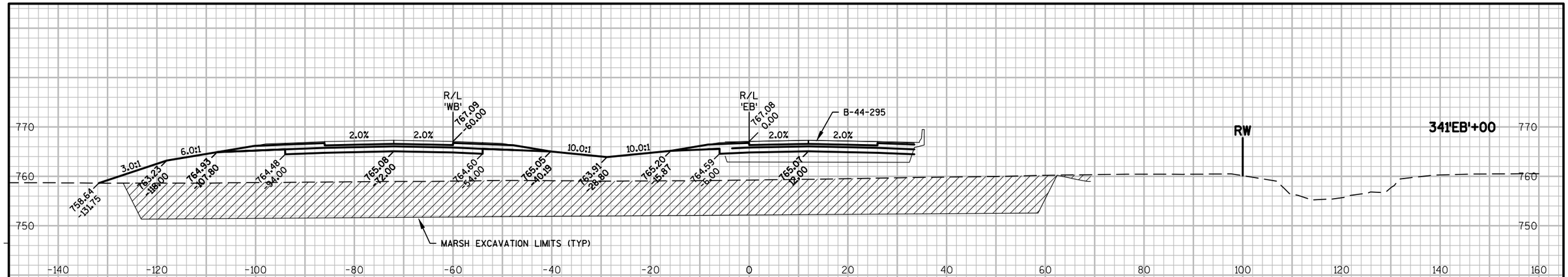
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LAYOUT NAME - 090242_XS

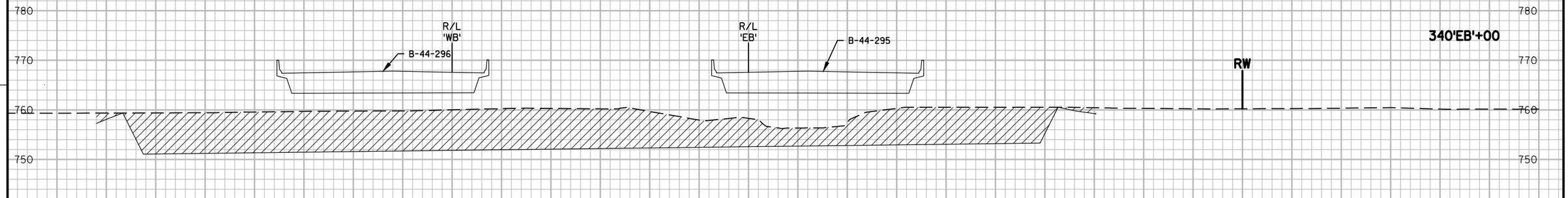
PLOT DATE : 8/20/2019 8:06 AM PLOT BY : SIMMONS, MASON A PLOT NAME : PLOT SCALE : 1:20_XREF

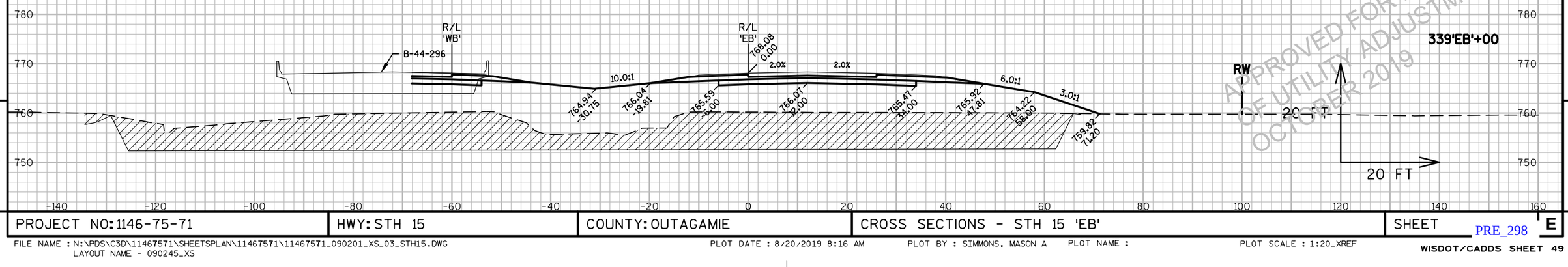
PRE_296



PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS - STH 15 'EB'	SHEET E







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OF UTILITY ADJUSTMENTS
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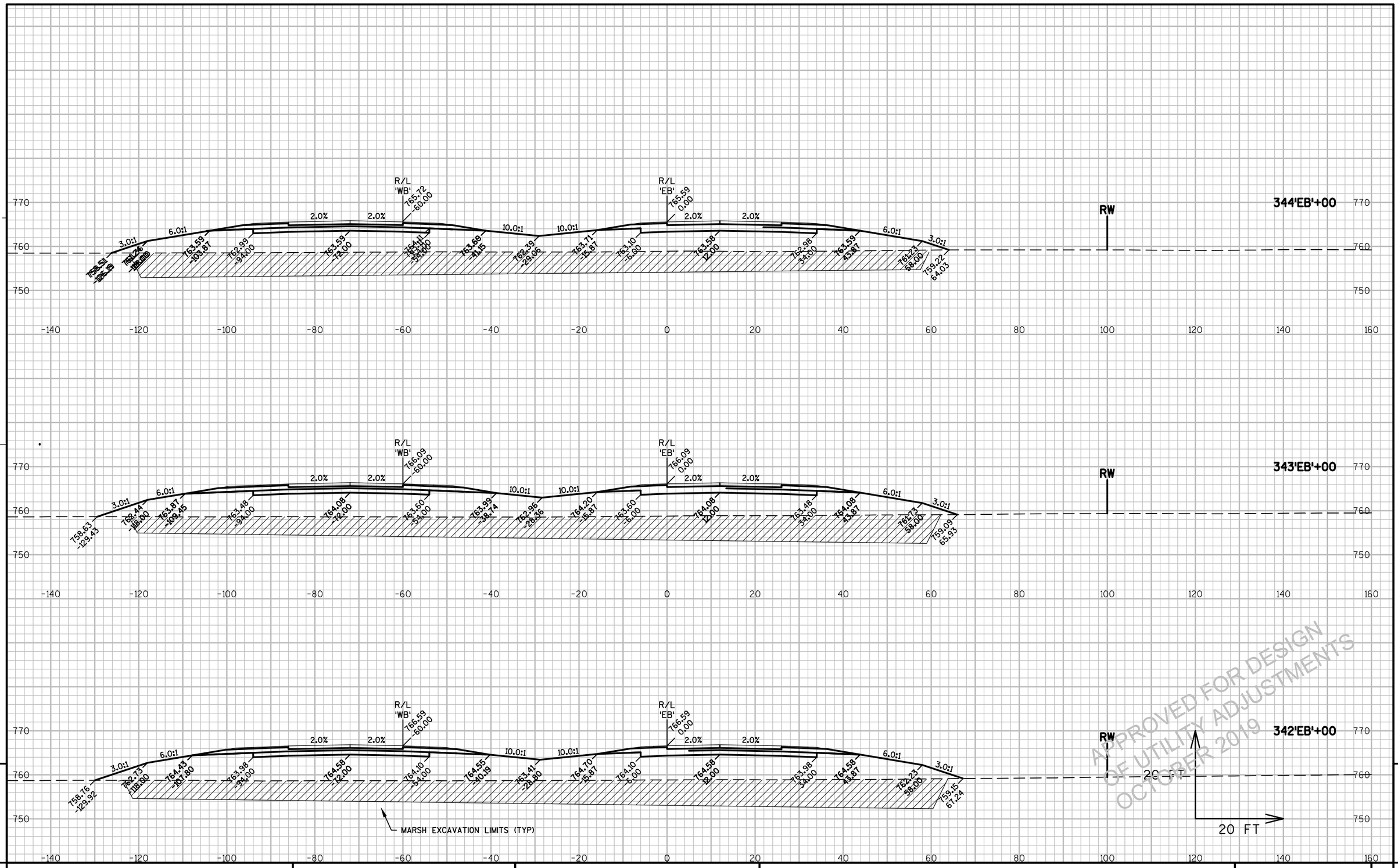
PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS - STH 15 'EB'	SHEET E

PRE_298

FILE NAME : N:\PDS\C3D\11467571\SHEETSPLAN\11467571\11467571_090201_XS_03_STH15.DWG
LAYOUT NAME - 090245_XS

PLOT DATE : 8/20/2019 8:16 AM PLOT BY : SIMMONS, MASON A PLOT NAME : PLOT SCALE : 1:20_XREF

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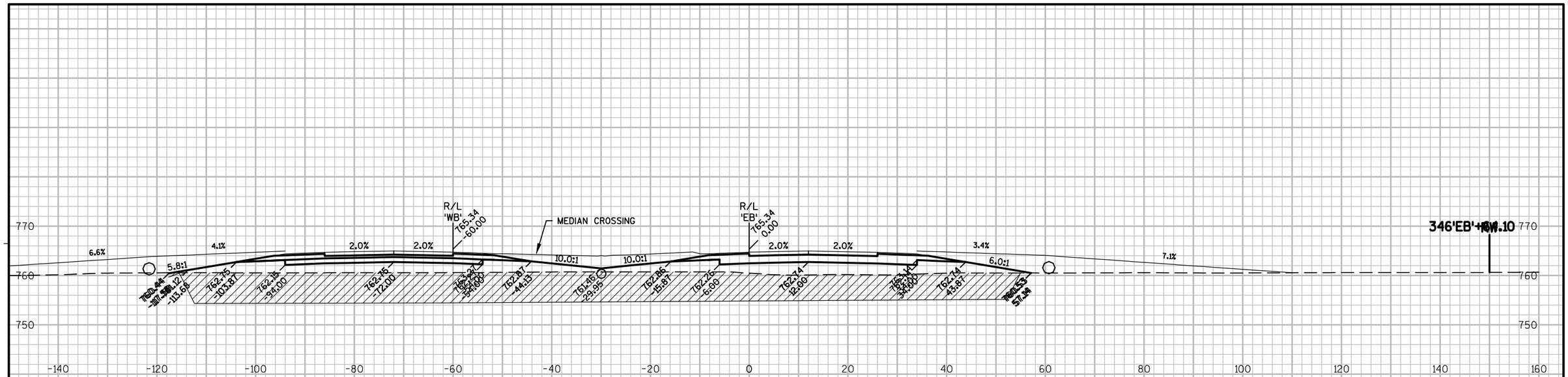
APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS
OCTOBER 2019

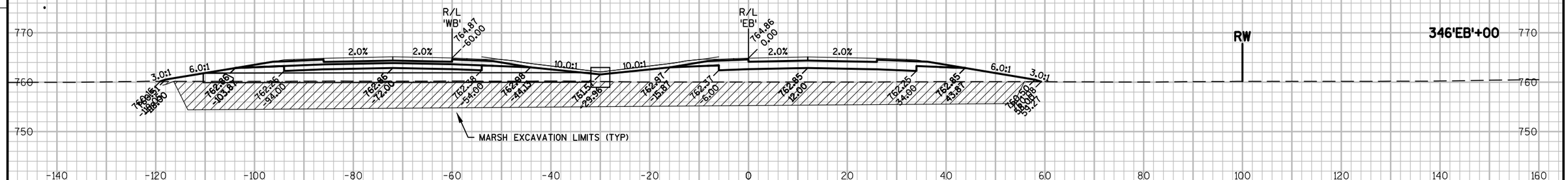
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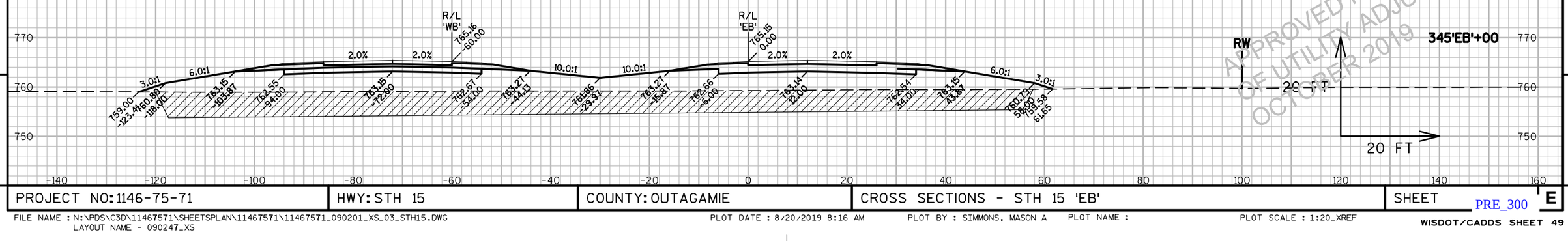
PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS - STH 15 'EB'	SHEET E

FILE NAME : N:\PDS\C3D\11467571\SHEETSPLAN\11467571\11467571_090201_XS_03_STH15.DWG
LAYOUT NAME - 090246_XS

PLOT DATE : 8/20/2019 8:16 AM PLOT BY : SIMMONS, MASON A PLOT NAME : PLOT SCALE : 1:20_XREF







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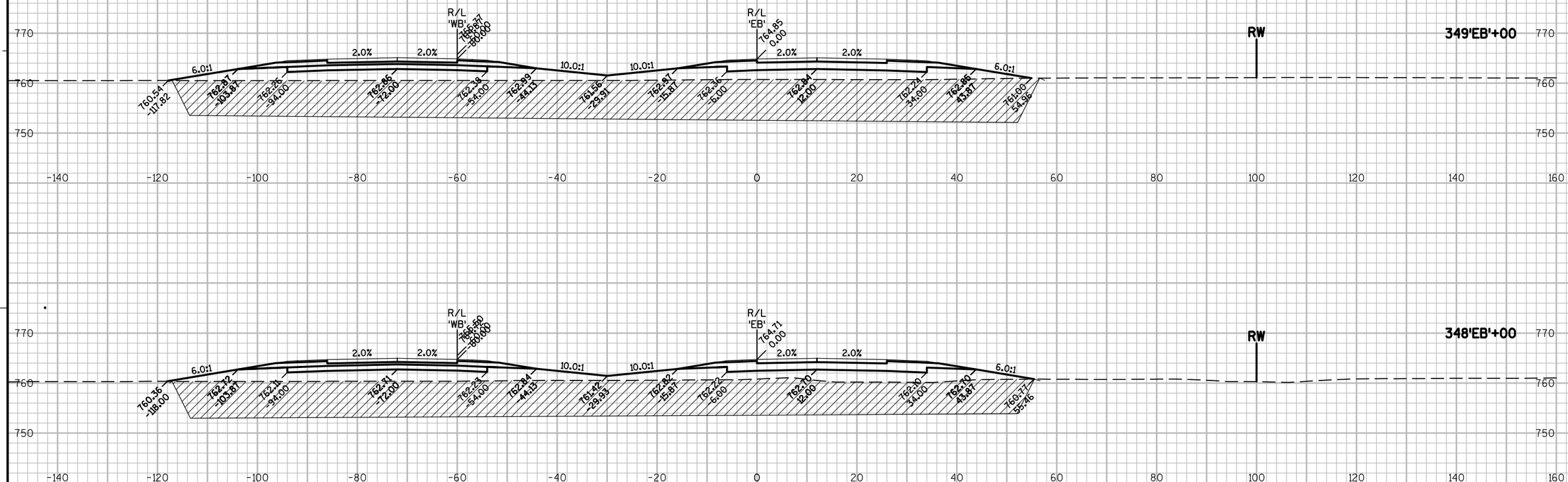
PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS - STH 15 'EB'	SHEET E

PRE_300

FILE NAME : N:\PDS\C3D\11467571\SHEETSPLAN\11467571\11467571_090201_XS_03_STH15.DWG
LAYOUT NAME - 090247_XS

PLOT DATE : 8/20/2019 8:16 AM PLOT BY : SIMMONS, MASON A PLOT NAME : PLOT SCALE : 1:20_XREF

WISDOT/CADDS SHEET 49



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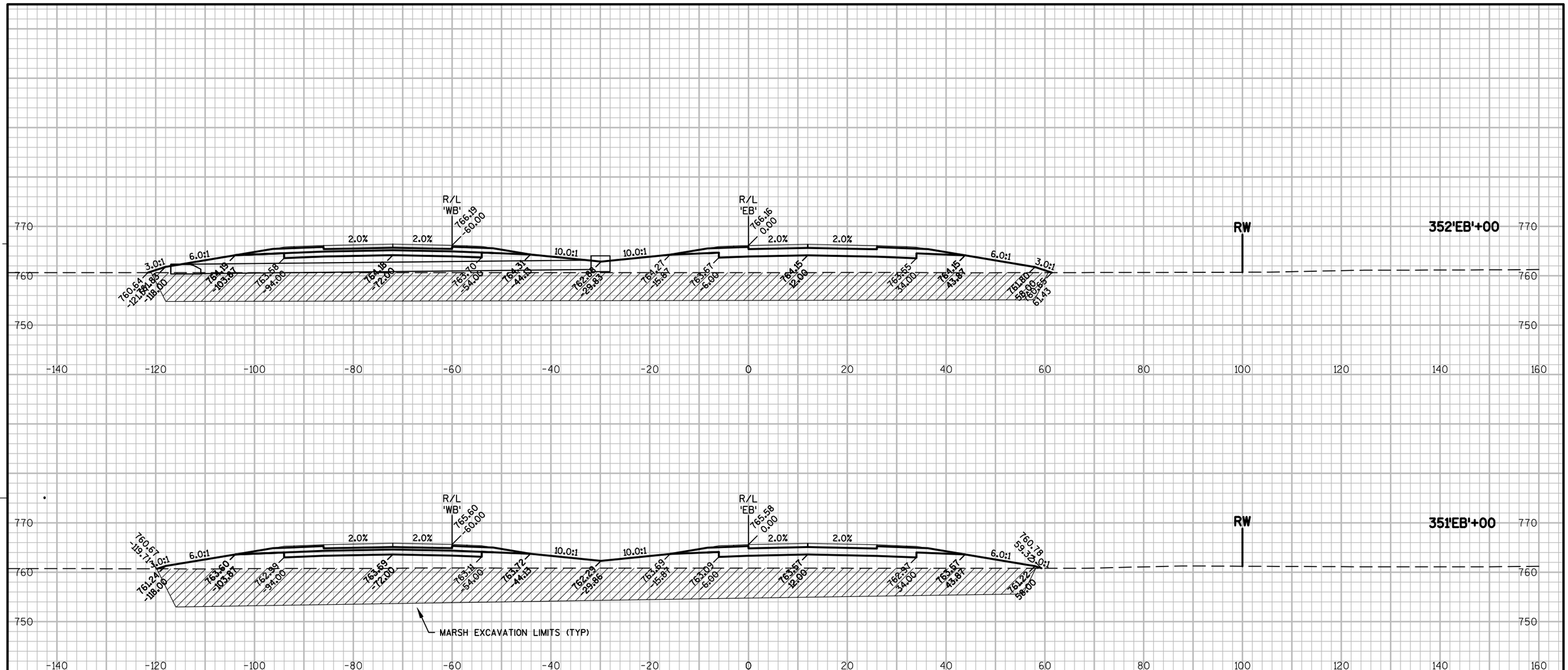
PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS - STH 15 'EB'	SHEET E

PRE_301

FILE NAME : N:\PDS\C3D\11467571\SHEETSPLAN\11467571\11467571_090201_XS_03_STH15.DWG
LAYOUT NAME - 090248_XS

PLOT DATE : 8/20/2019 8:17 AM PLOT BY : SIMMONS, MASON A PLOT NAME : PLOT SCALE : 1:20_XREF

WISDOT/CADDS SHEET 49





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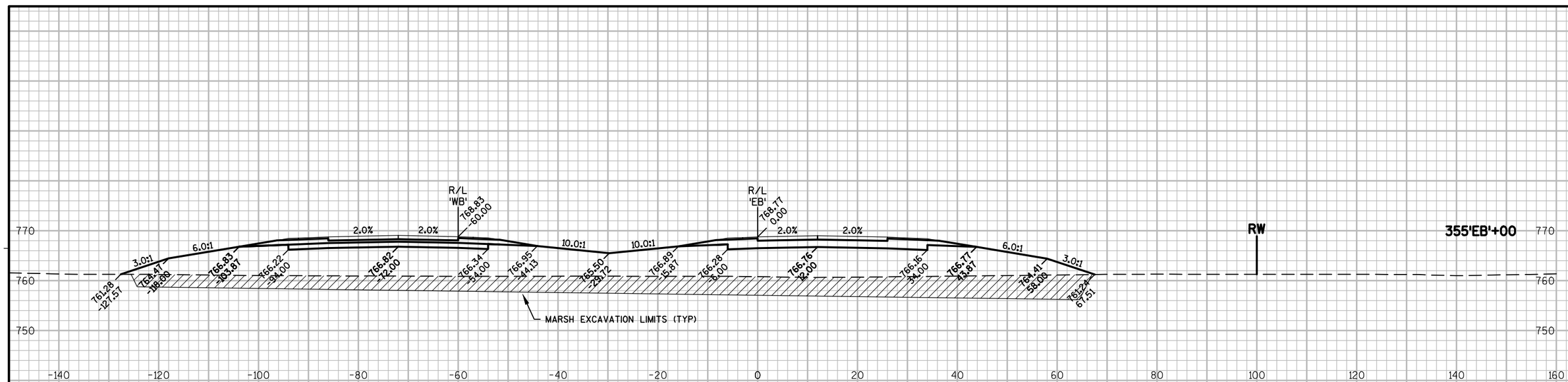
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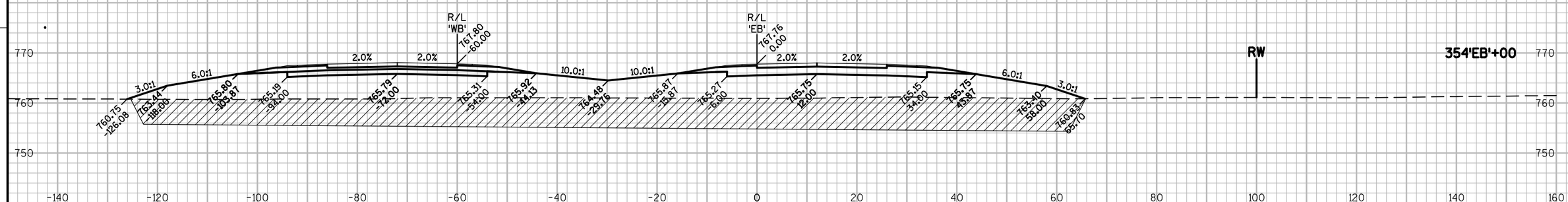
PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS - STH 15 'EB'	SHEET E

PRE_302

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LAYOUT NAME - 090249_XS

PLOT DATE : 8/20/2019 8:17 AM PLOT BY : SIMMONS, MASON A PLOT NAME : PLOT SCALE : 1:20_XREF







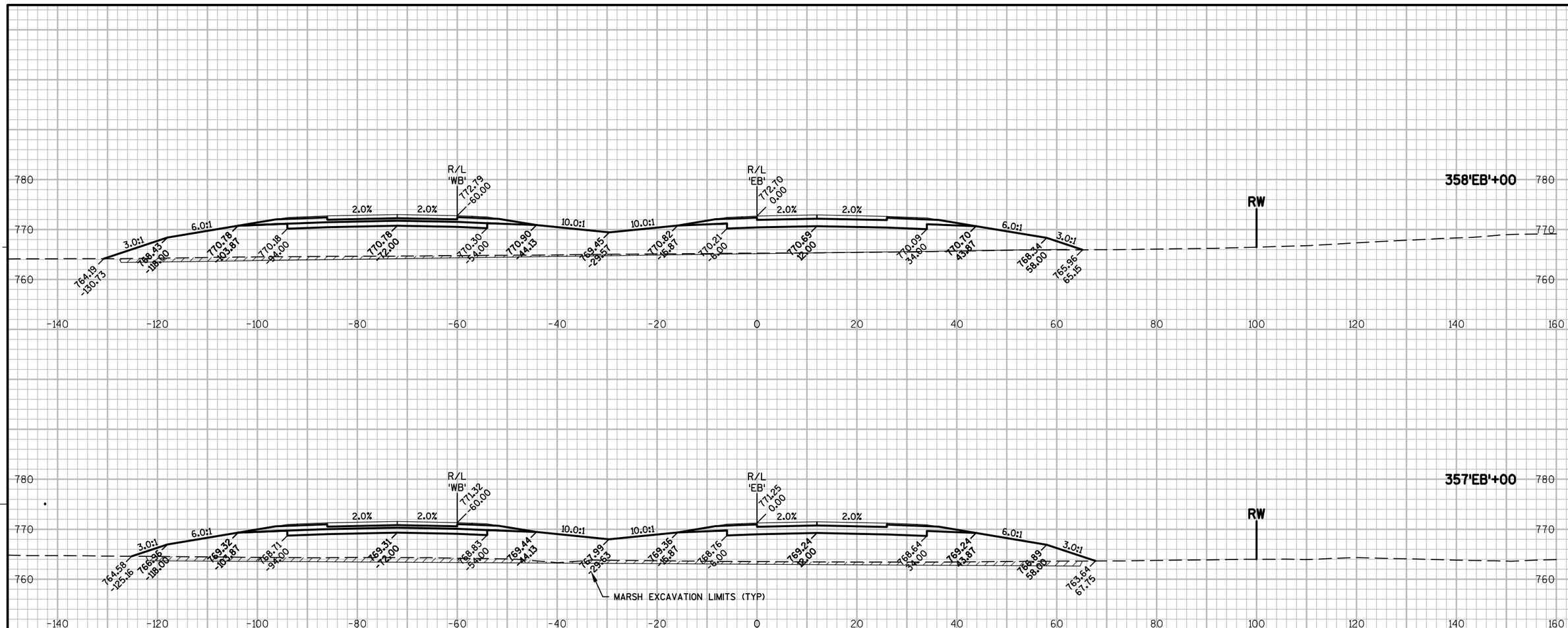
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PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS - STH 15 'EB'	SHEET E

PRE_303

FILE NAME : N:\PDS\C3D\11467571\SHEETSPLAN\11467571\11467571_090201_XS_03_STH15.DWG
LAYOUT NAME - 090250_XS
PLOT DATE : 8/20/2019 8:17 AM
PLOT BY : SIMMONS, MASON A
PLOT NAME :
PLOT SCALE : 1:20_XREF
WISDOT/CADDS SHEET 49



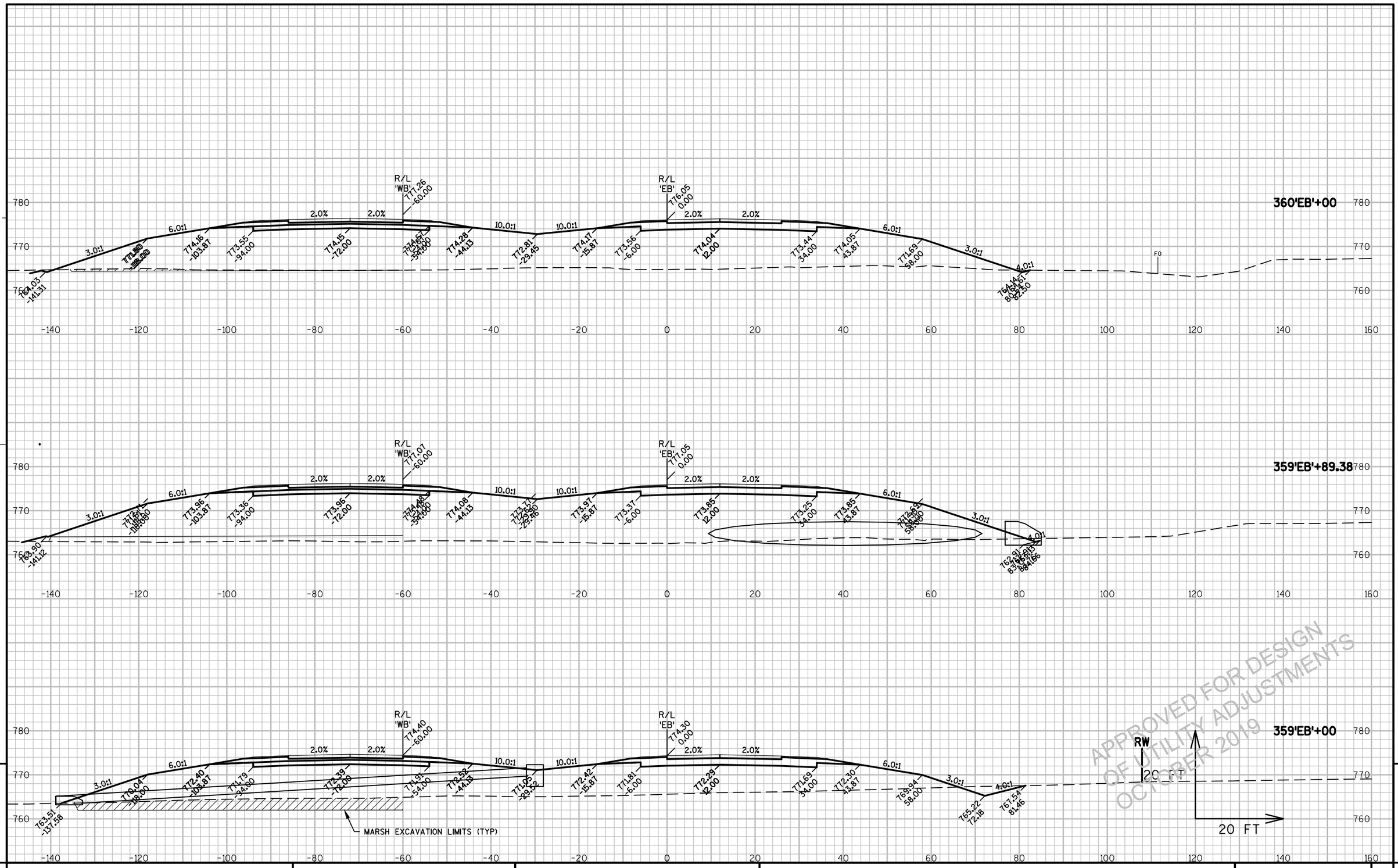
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OCTOBER 2019

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PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS - STH 15 'EB'	SHEET E

FILE NAME : N:\PDS\C3D\11467571\SHEETSPLAN\11467571\11467571_090201_XS_03_STH15.DWG
LAYOUT NAME - 090251_XS

PLOT DATE : 8/20/2019 8:17 AM PLOT BY : SIMMONS, MASON A PLOT NAME : PLOT SCALE : 1:20_XREF

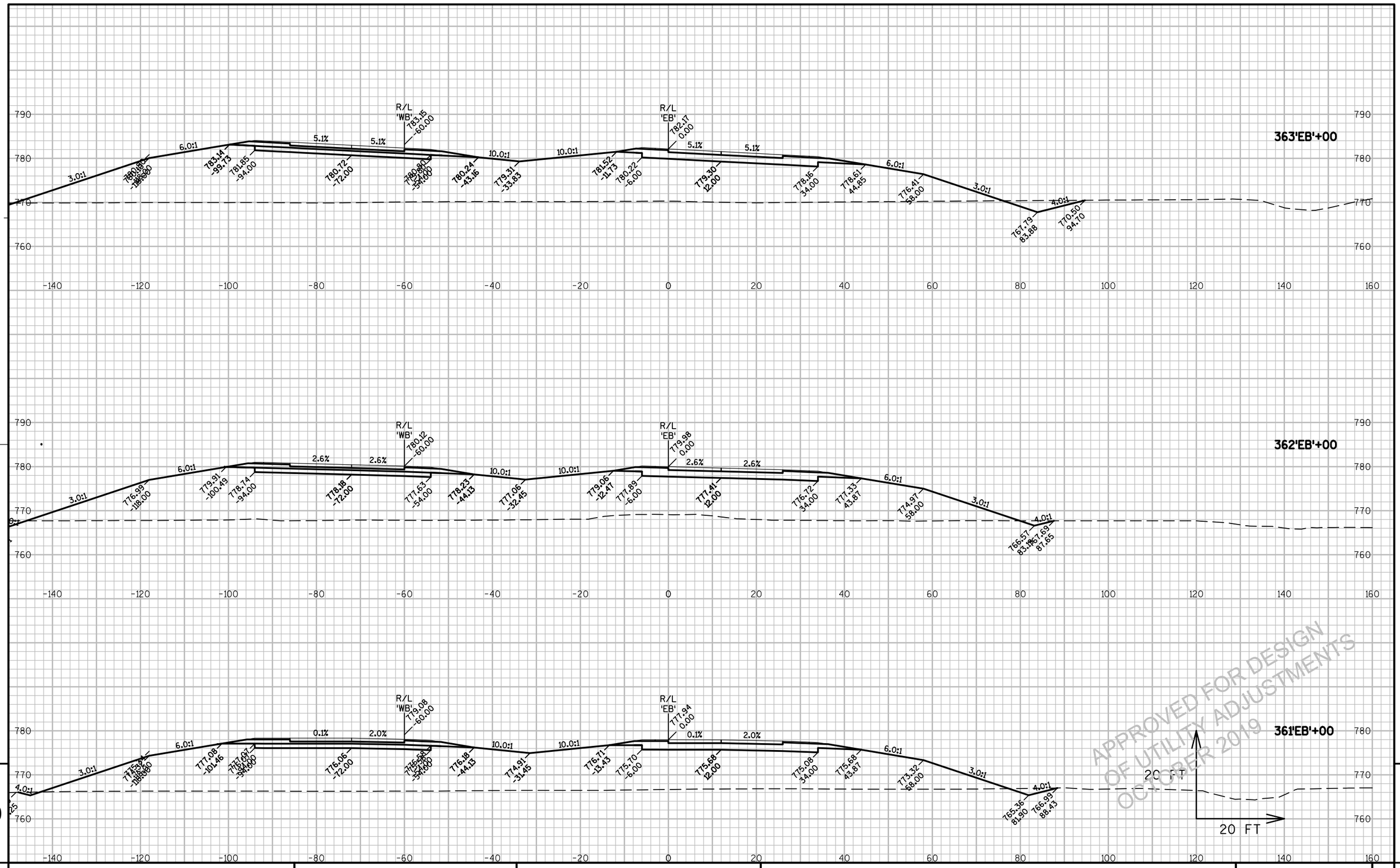


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PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS - STH 15 'EB'	SHEET E

FILE NAME : N:\PDS\C3D\11467571\SHEETSPLAN\11467571\11467571_090201_XS_03_STH15.DWG
LAYOUT NAME - 090252_XS

PLOT DATE : 8/20/2019 8:17 AM PLOT BY : SIMMONS, MASON A PLOT NAME : PLOT SCALE : 1:20_XREF



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OF UTILITY ADJUSTMENTS
OCTOBER 2019

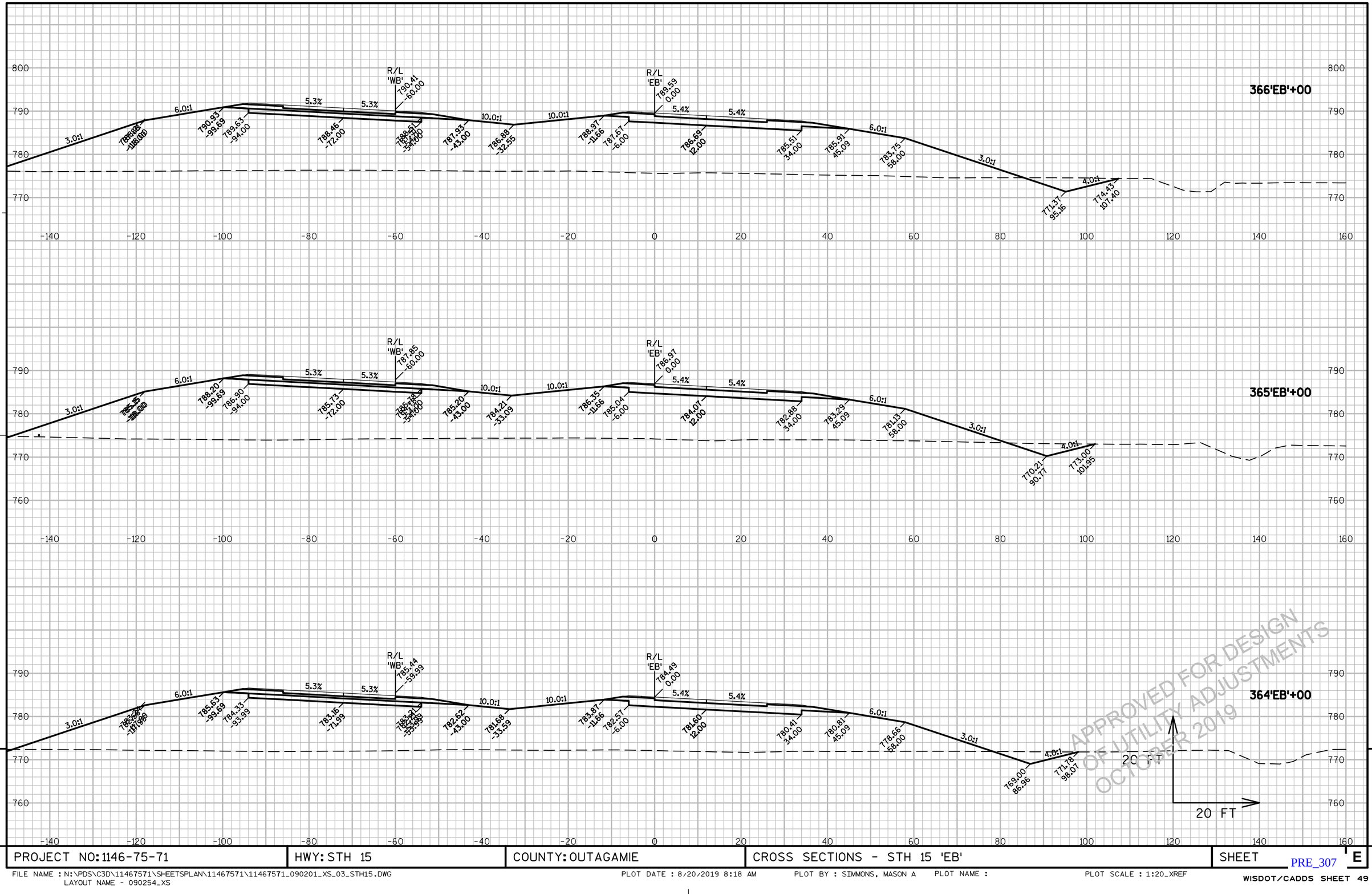
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PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS - STH 15 'EB'	SHEET E

FILE NAME : N:\PDS\C3D\11467571\SHEETSPLAN\11467571\11467571_090201_XS_03_STH15.DWG
LAYOUT NAME - 090253_XS

PLOT DATE : 8/20/2019 8:17 AM PLOT BY : SIMMONS, MASON A PLOT NAME : PLOT SCALE : 1:20_XREF



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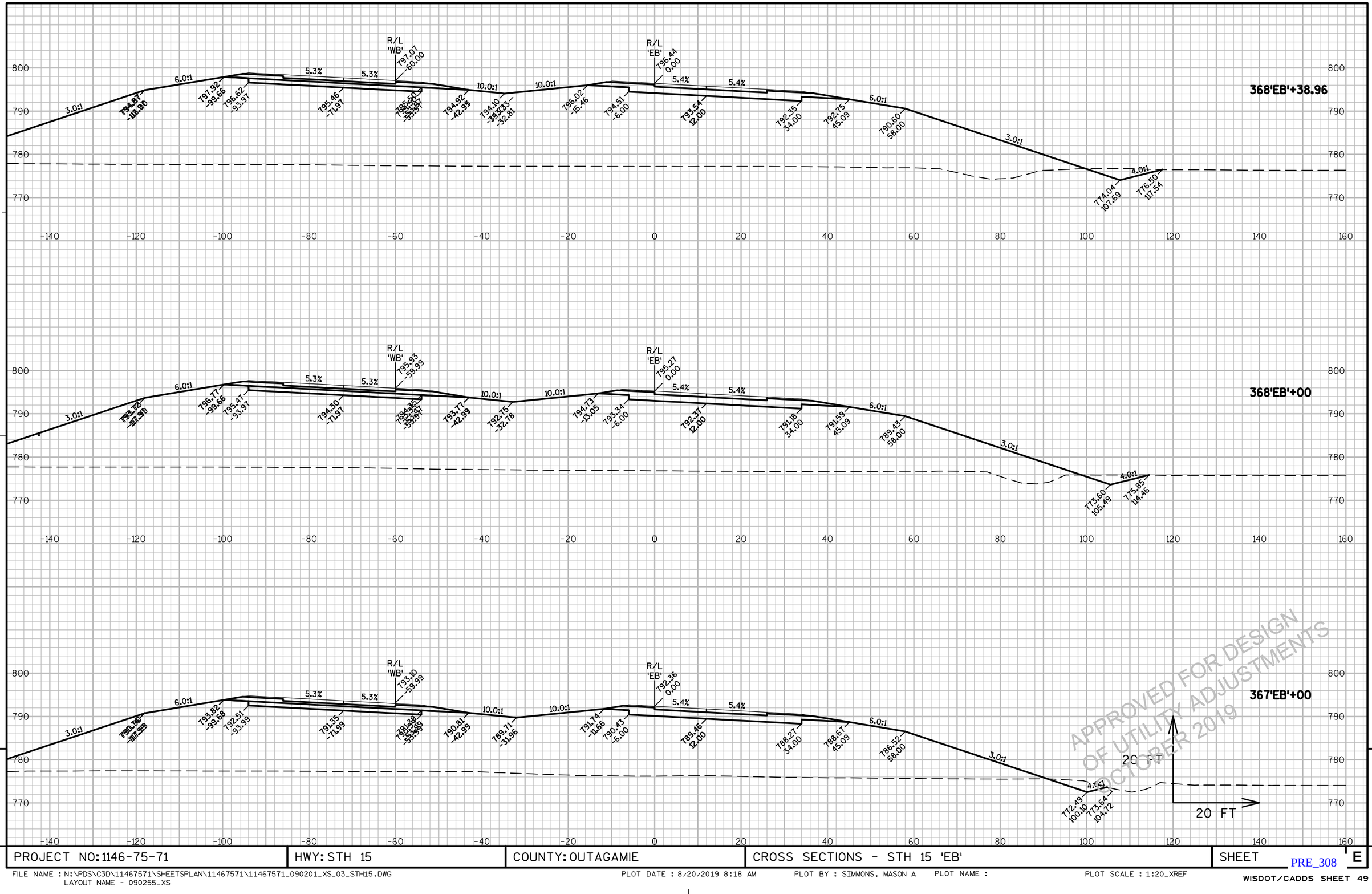
PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS - STH 15 'EB'	SHEET E

PRE_307

FILE NAME : N:\PDS\C3D\11467571\SHEETSPLAN\11467571\11467571_090201_XS_03_STH15.DWG
LAYOUT NAME - 090254_XS

PLOT DATE : 8/20/2019 8:18 AM PLOT BY : SIMMONS, MASON A PLOT NAME : PLOT SCALE : 1:20_XREF

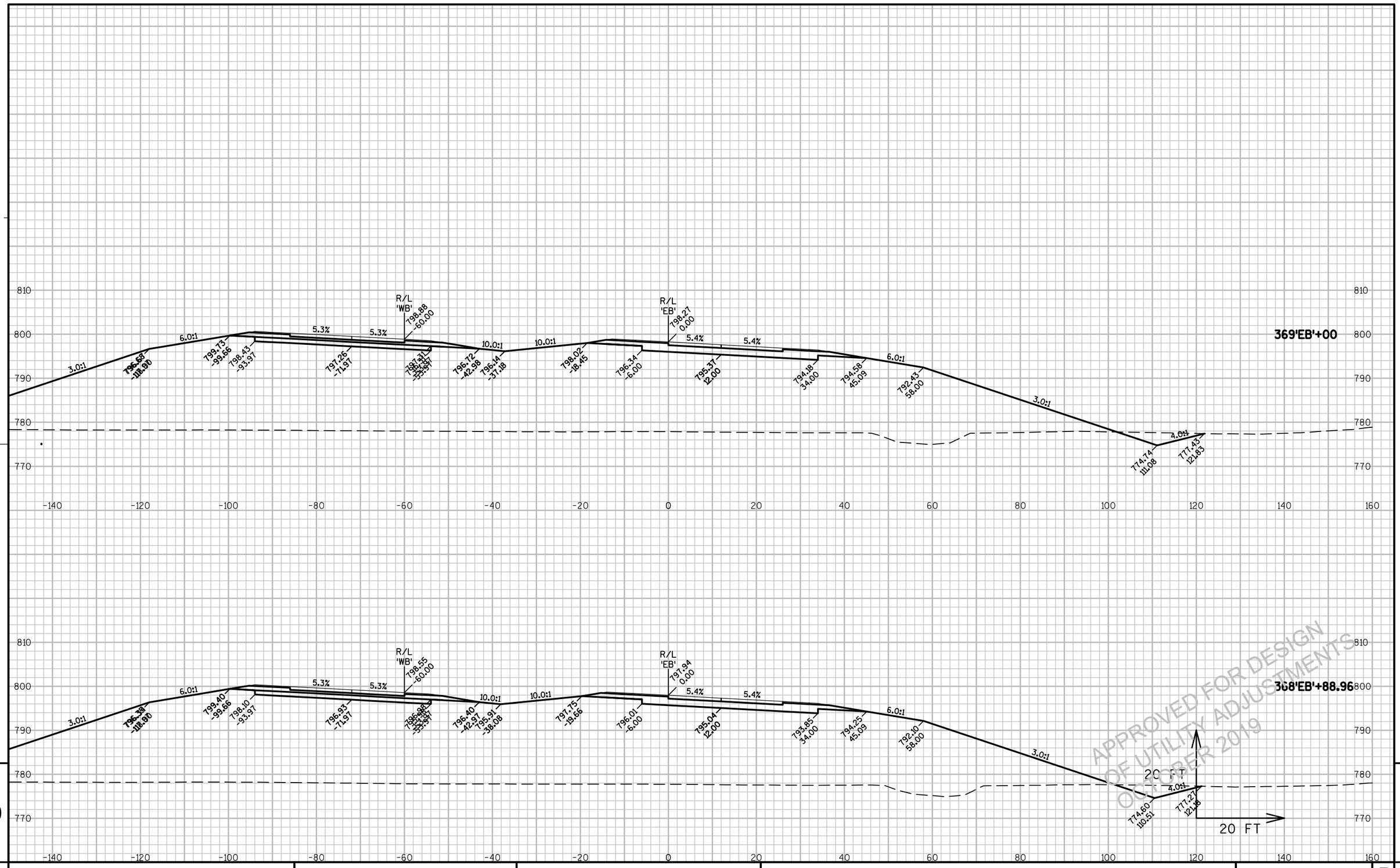
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OCTOBER 2019

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PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS - STH 15 'EB'	SHEET E

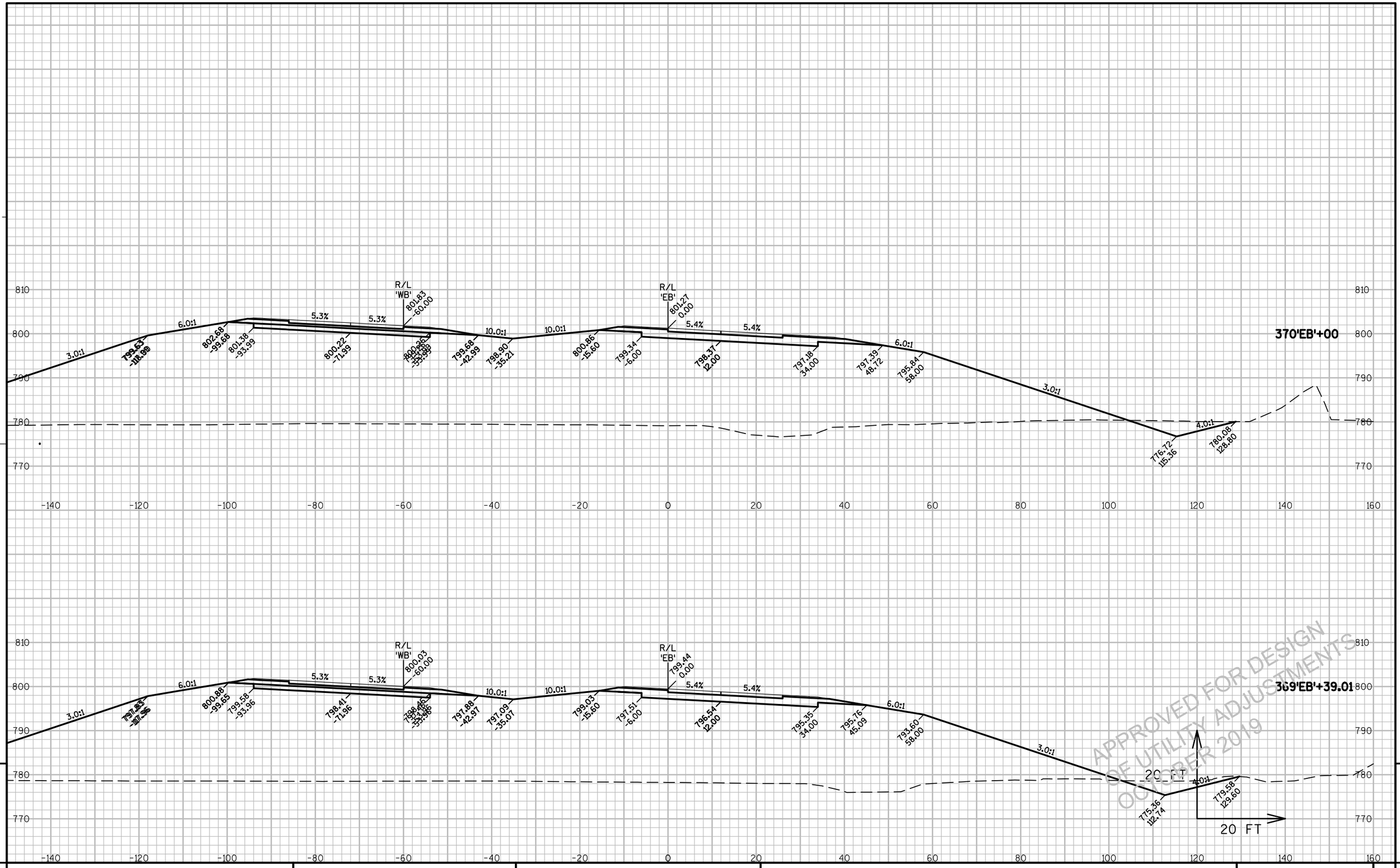


PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS - STH 15 'EB'	SHEET E

FILE NAME : N:\PDS\C3D\11467571\SHEETSPLAN\11467571\11467571_090201_XS_03_STH15.DWG
LAYOUT NAME - 090256_XS

PLOT DATE : 8/20/2019 8:18 AM PLOT BY : SIMMONS, MASON A PLOT NAME : PLOT SCALE : 1:20_XREF

PRE_309



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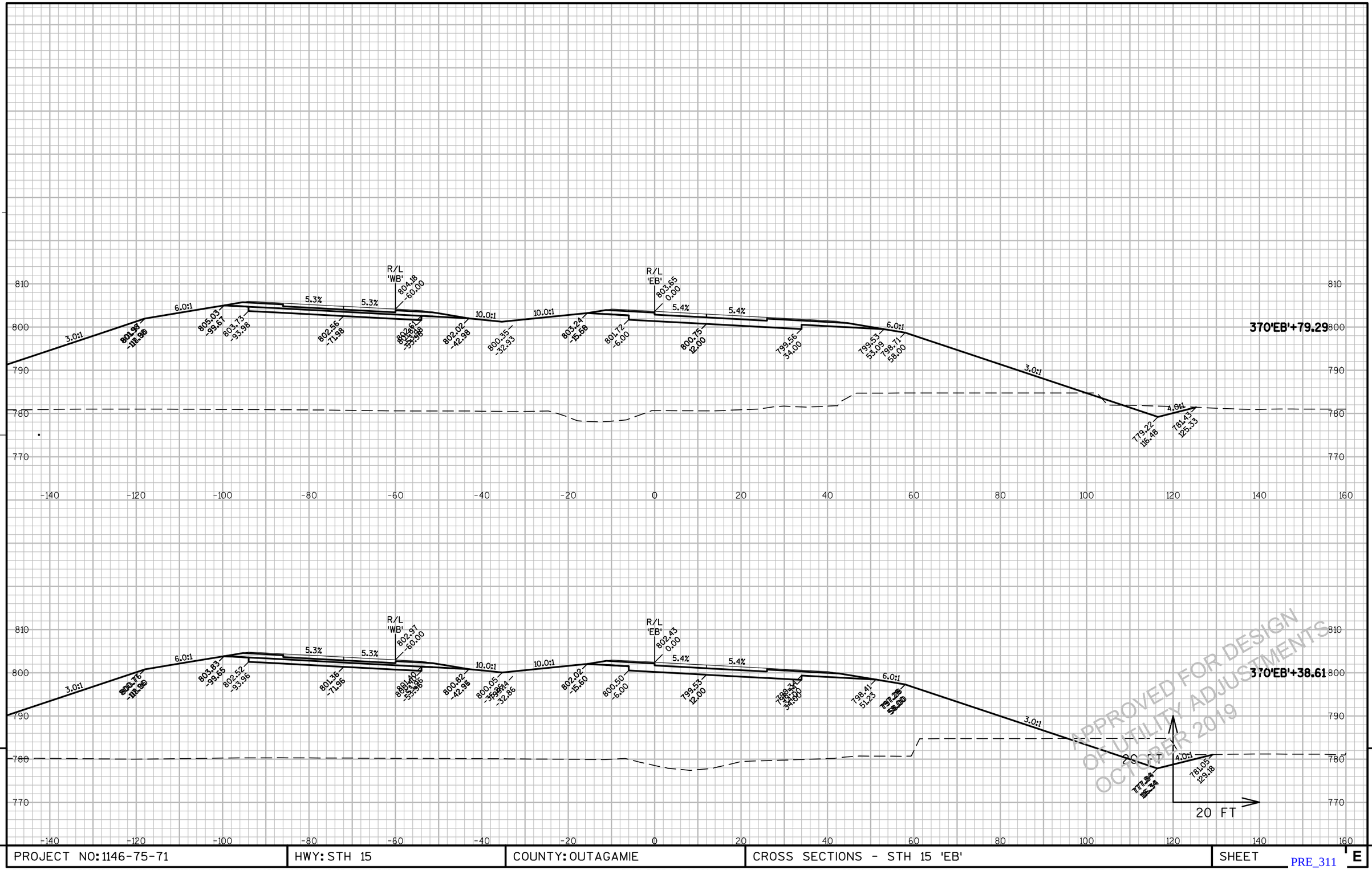
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PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS - STH 15 'EB'	SHEET E

PRE_310

FILE NAME : N:\PDS\C3D\11467571\SHEETSPLAN\11467571\11467571_090201_XS_03_STH15.DWG
LAYOUT NAME - 090257_XS

PLOT DATE : 8/20/2019 8:18 AM PLOT BY : SIMMONS, MASON A PLOT NAME : PLOT SCALE : 1:20_XREF



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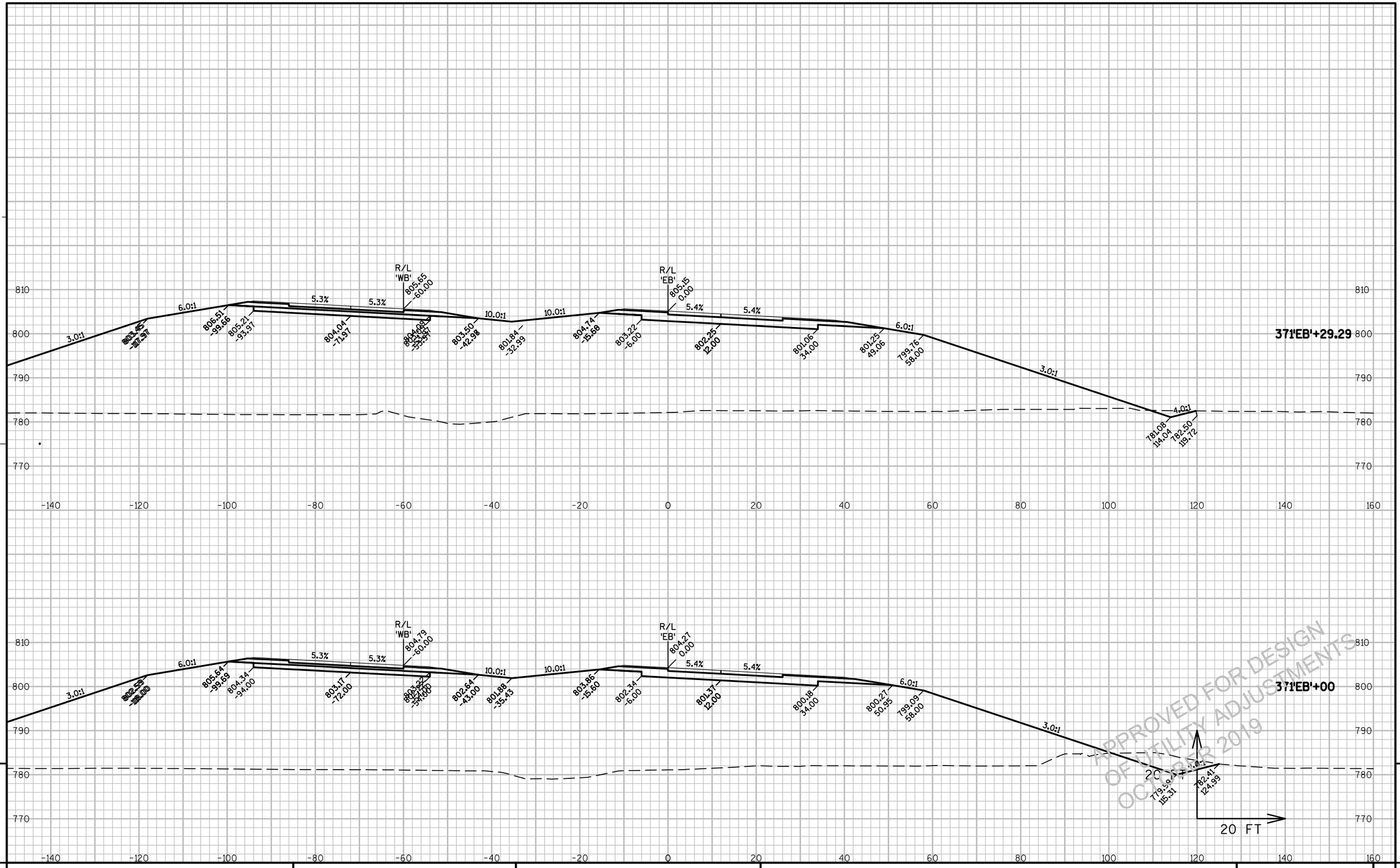
PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS - STH 15 'EB'	SHEET E

PRE_311

FILE NAME : N:\PDS\C3D\11467571\SHEETSPLAN\11467571\11467571_090201_XS_03_STH15.DWG
LAYOUT NAME - 090258_XS

PLOT DATE : 8/20/2019 8:18 AM PLOT BY : SIMMONS, MASON A PLOT NAME : PLOT SCALE : 1:20_XREF

WISDOT/CADDS SHEET 49



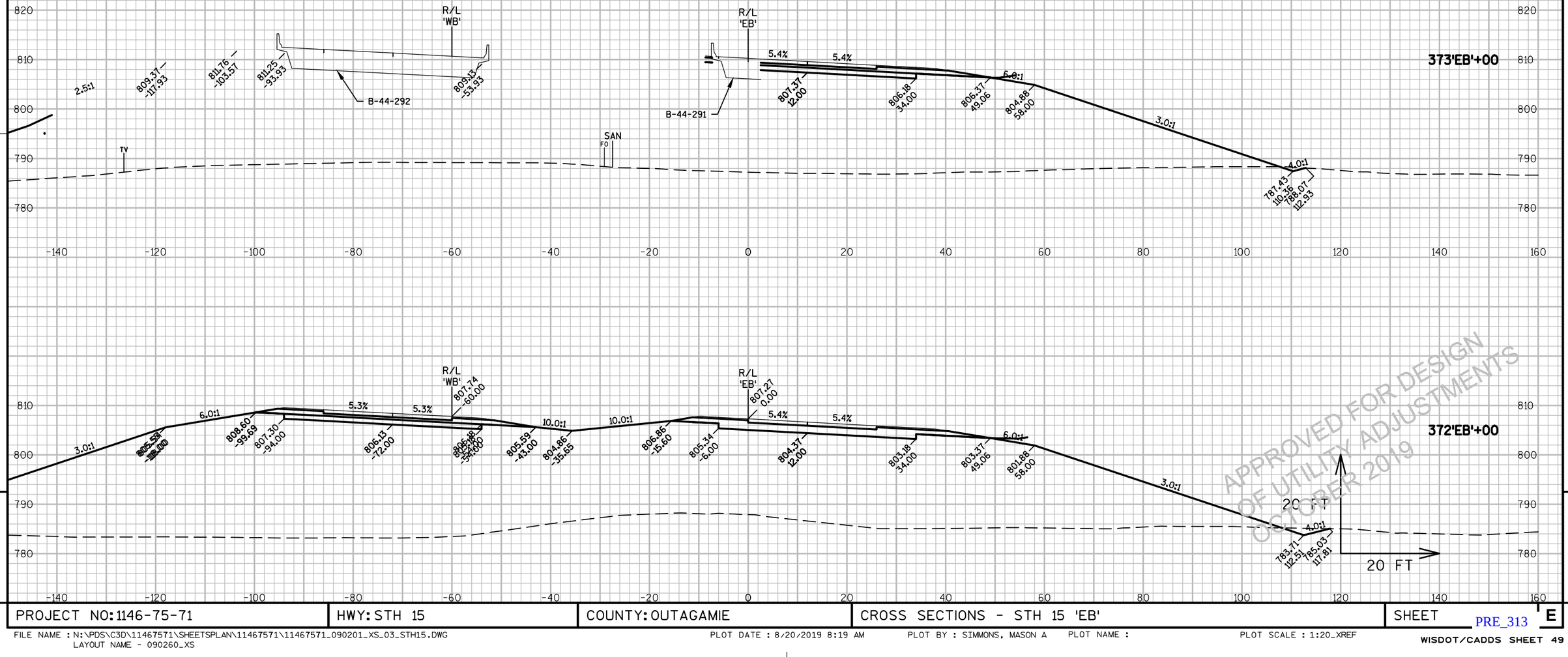
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PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS - STH 15 'EB'	SHEET E

PRE_312

FILE NAME : N:\PDS\C3D\11467571\SHEETSPLAN\11467571\11467571_090201_XS_03_STH15.DWG
LAYOUT NAME - 090259_XS

PLOT DATE : 8/20/2019 8:18 AM PLOT BY : SIMMONS, MASON A PLOT NAME : PLOT SCALE : 1:20_XREF

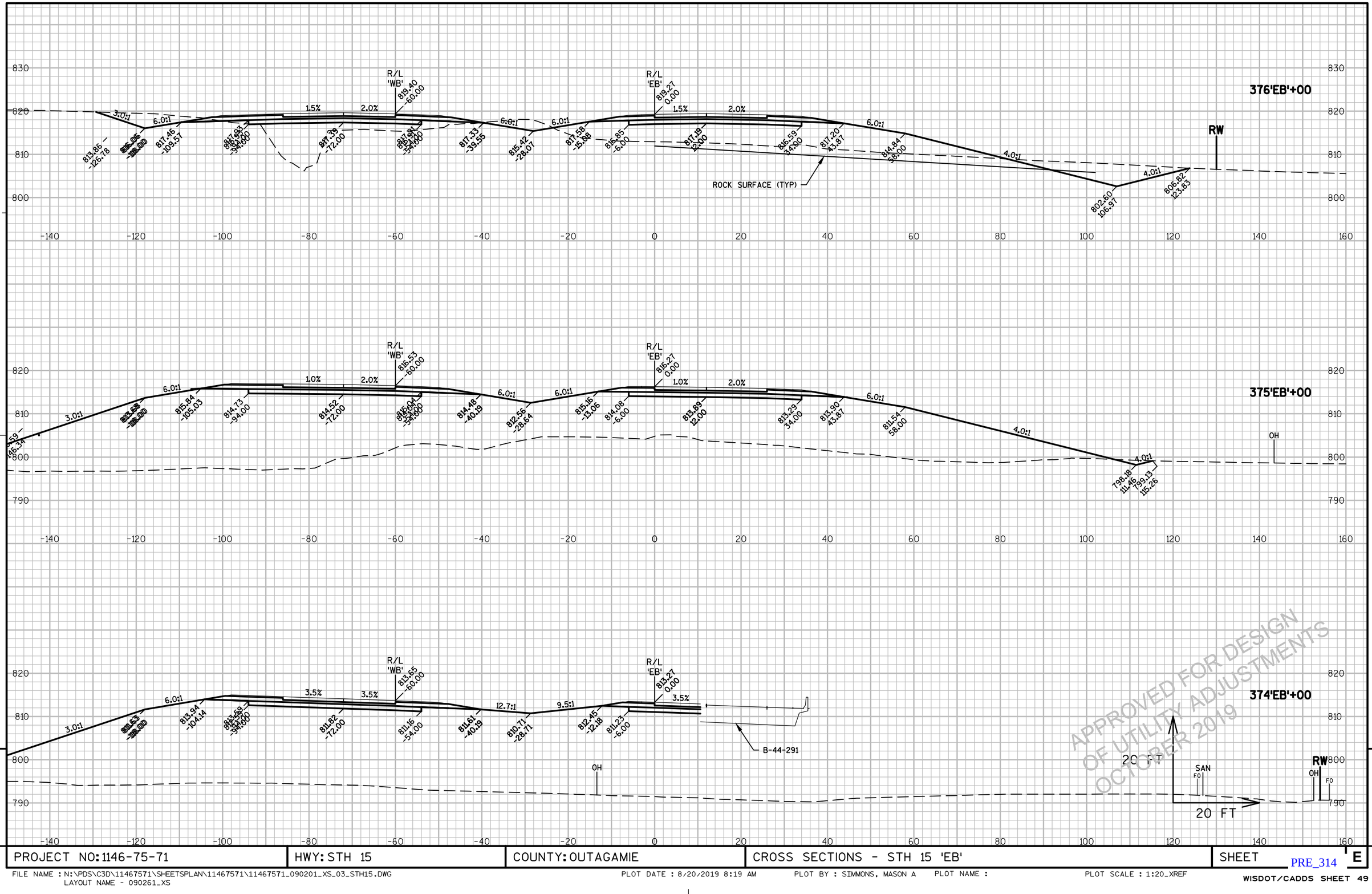


PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS - STH 15 'EB'	SHEET E

PRE_313

FILE NAME : N:\PDS\C3D\11467571\SHEETSPLAN\11467571\11467571_090201_XS_03_STH15.DWG
LAYOUT NAME - 090260_XS

PLOT DATE : 8/20/2019 8:19 AM PLOT BY : SIMMONS, MASON A PLOT NAME : PLOT SCALE : 1:20_XREF

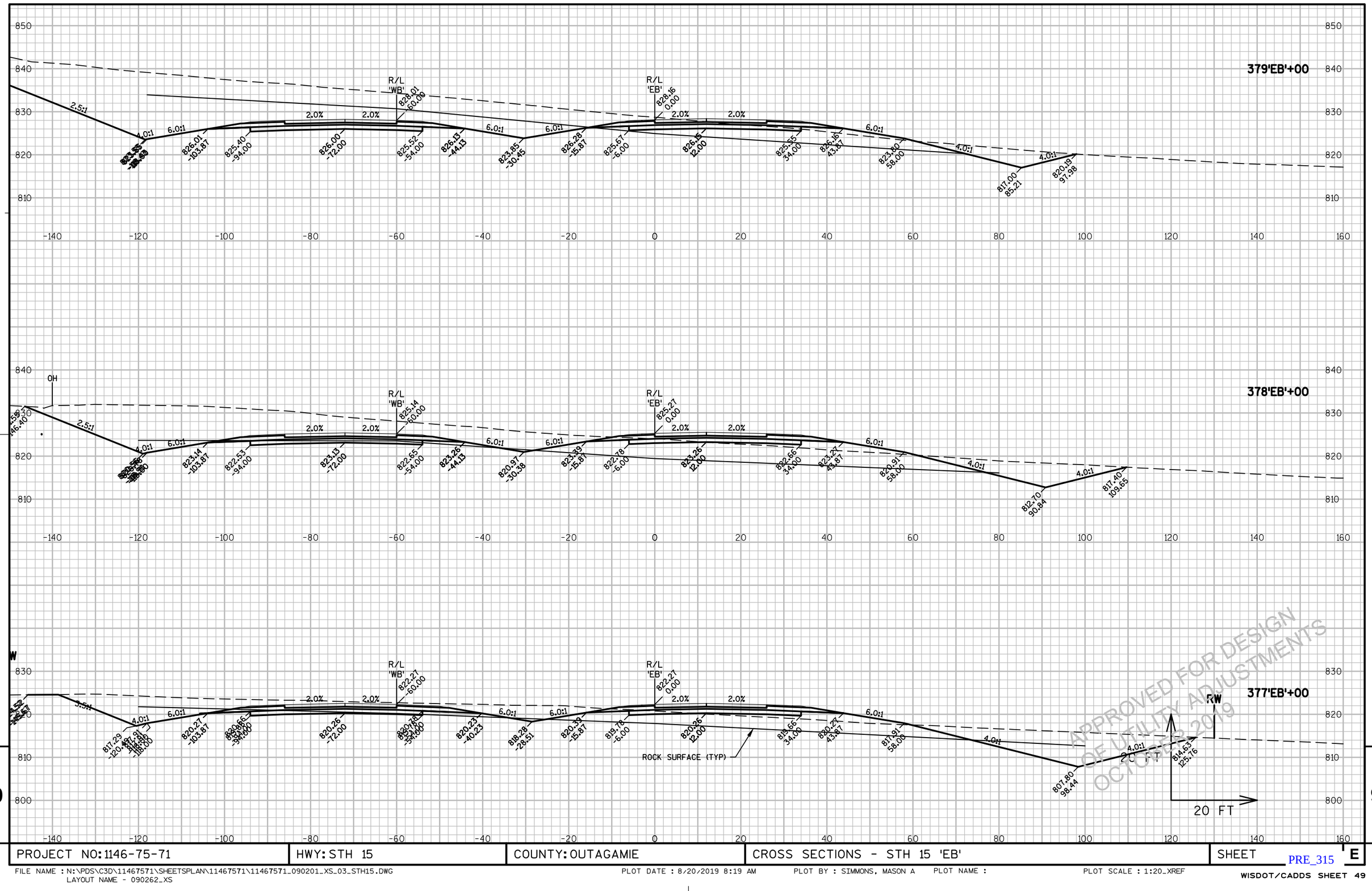


PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS - STH 15 'EB'	SHEET E

PRE_314

FILE NAME : N:\PDS\C3D\11467571\SHEETSPLAN\11467571\11467571_090201_XS_03_STH15.DWG
LAYOUT NAME - 090261_XS

PLOT DATE : 8/20/2019 8:19 AM PLOT BY : SIMMONS, MASON A PLOT NAME : PLOT SCALE : 1:20_XREF



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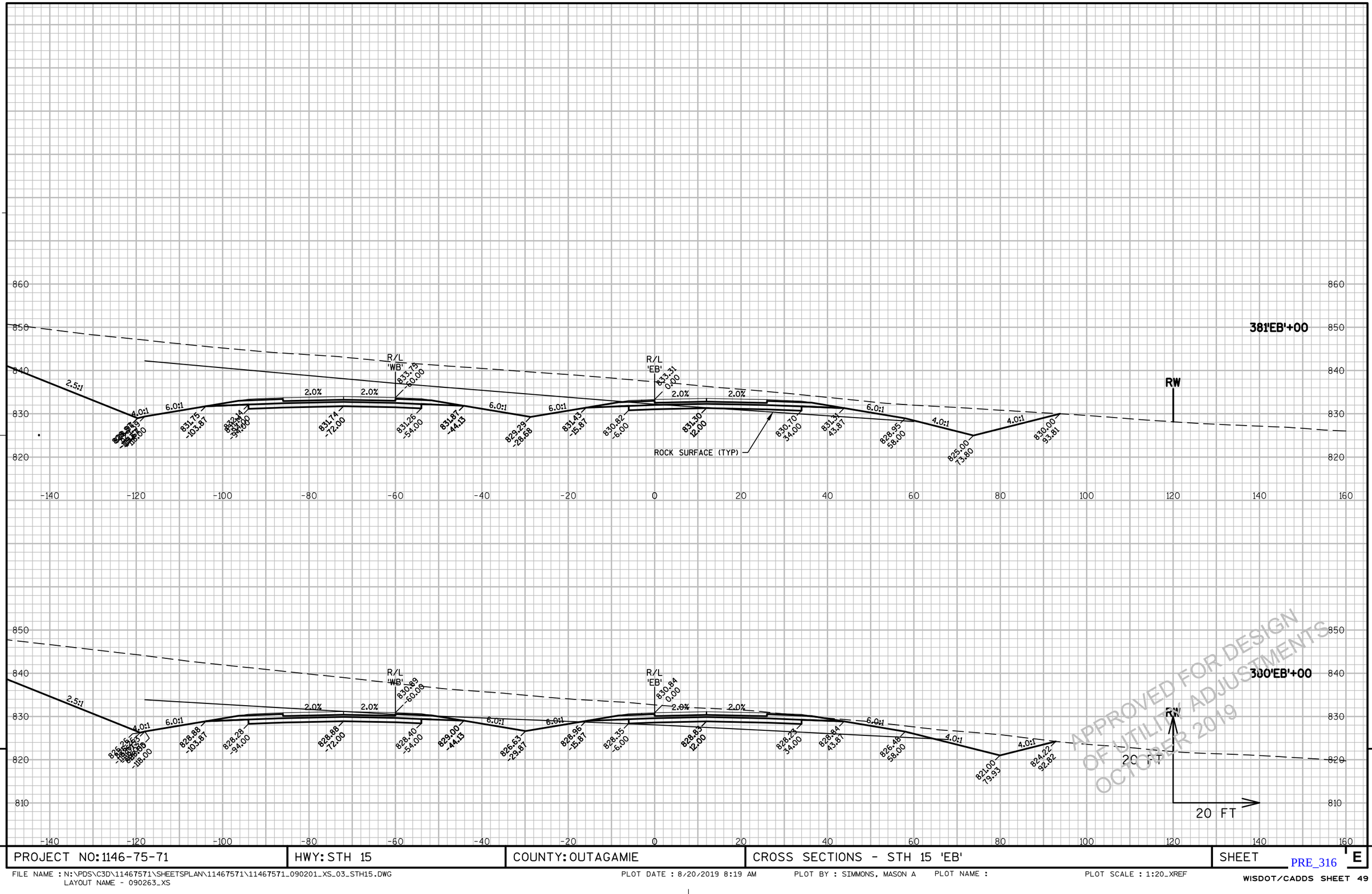
PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS - STH 15 'EB'	SHEET E

PRE_315

FILE NAME : N:\PDS\C3D\11467571\SHEETSPLAN\11467571\11467571_090201_XS_03_STH15.DWG
LAYOUT NAME - 090262_XS

PLOT DATE : 8/20/2019 8:19 AM PLOT BY : SIMMONS, MASON A PLOT NAME : PLOT SCALE : 1:20_XREF

WISDOT/CADDS SHEET 49



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OF UTILITY ADJUSTMENTS
OCTOBER 2019

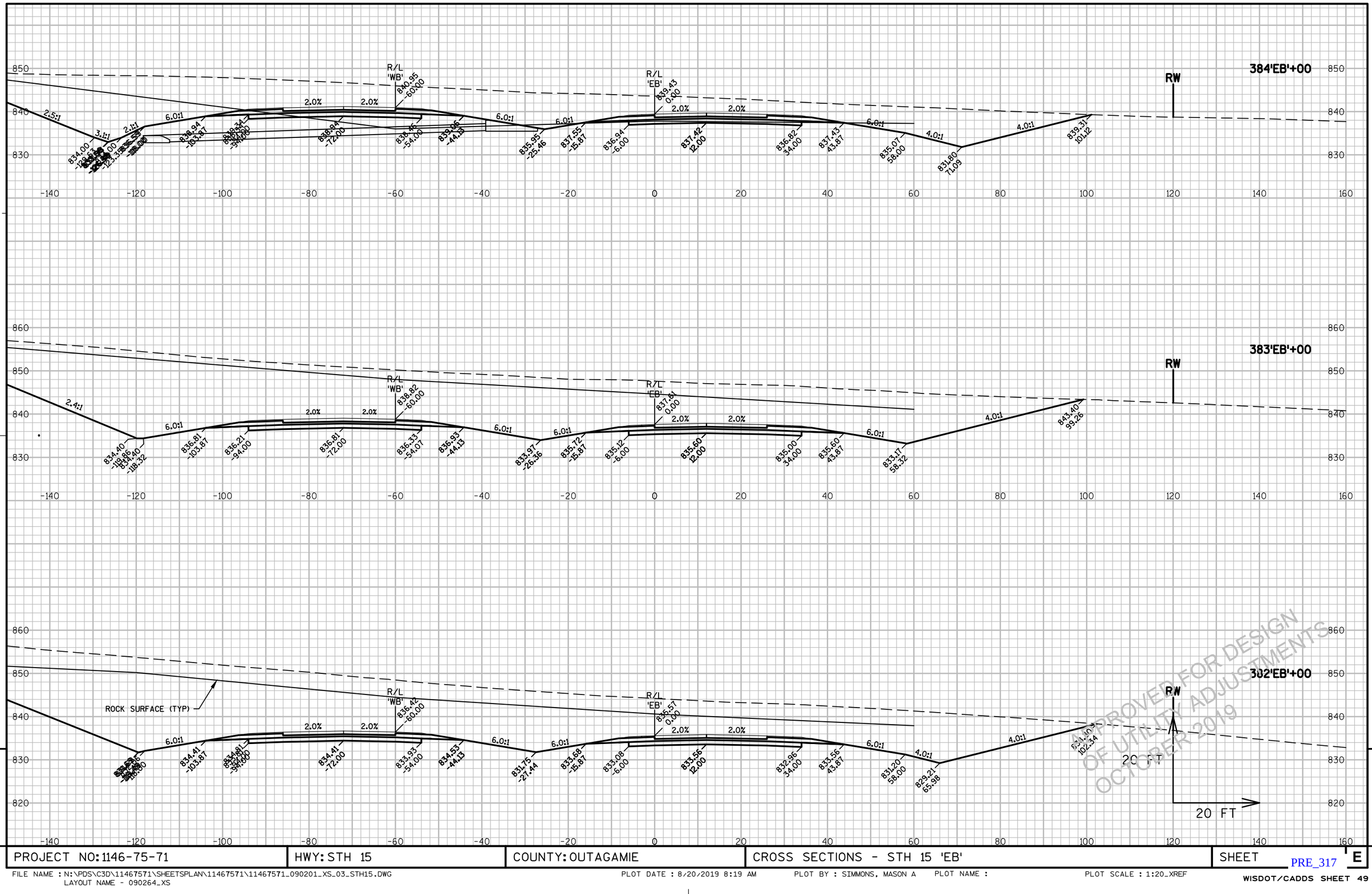
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PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS - STH 15 'EB'	SHEET E

PRE_316

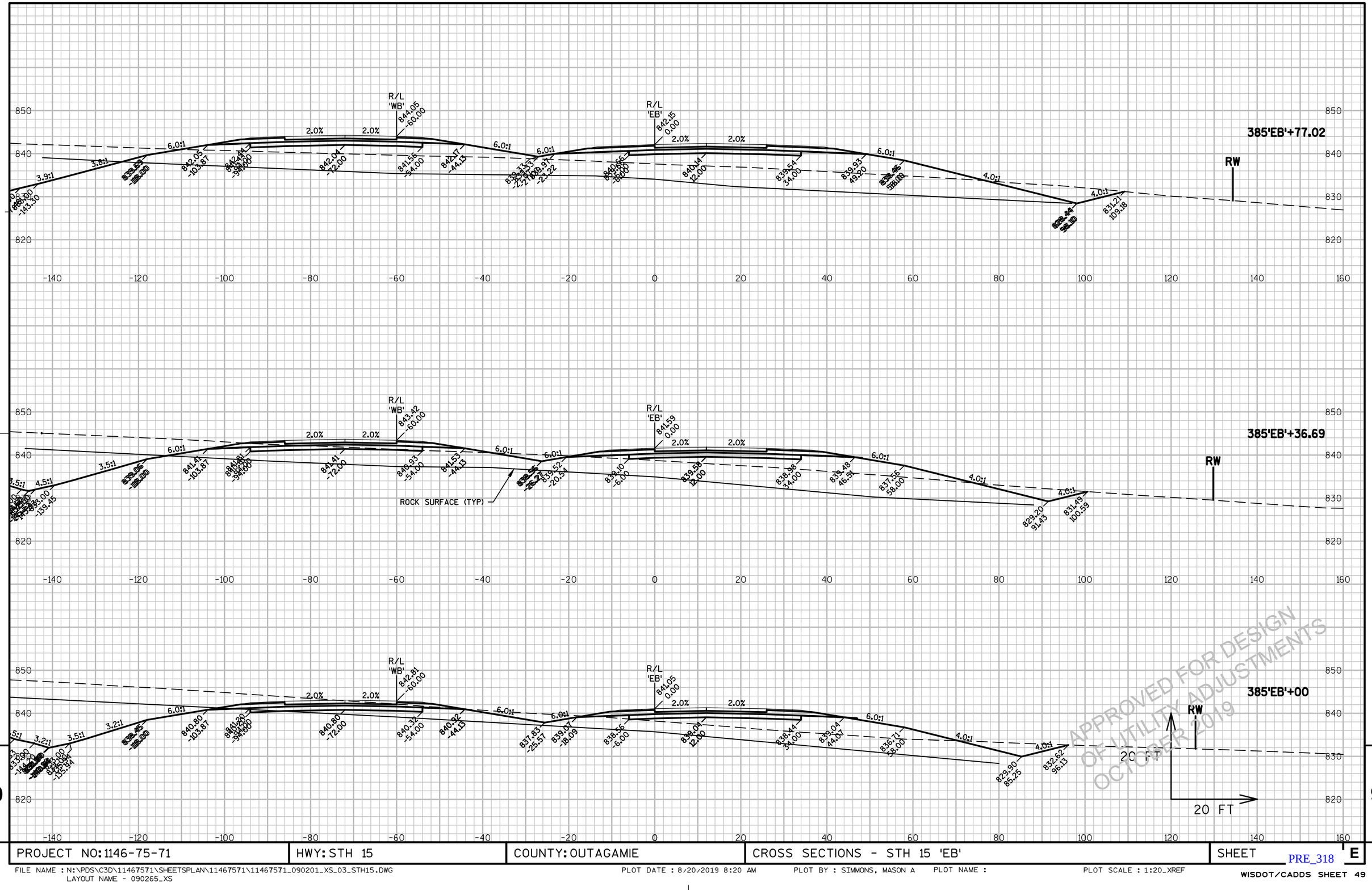
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LAYOUT NAME - 090263_XS

PLOT DATE : 8/20/2019 8:19 AM PLOT BY : SIMMONS, MASON A PLOT NAME : PLOT SCALE : 1:20_XREF



PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS - STH 15 'EB'	SHEET E

FILE NAME : N:\PDS\C3D\11467571\SHEETSPLAN\11467571\11467571_090201_XS_03_STH15.DWG
LAYOUT NAME - 090264_XS
PLOT DATE : 8/20/2019 8:19 AM PLOT BY : SIMMONS, MASON A PLOT NAME : PLOT SCALE : 1:20_XREF
WISDOT/CADDS SHEET 49



PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS - STH 15 'EB'	SHEET E

FILE NAME : N:\PDS\C3D\11467571\SHEETSPLAN\11467571\11467571_090201_XS_03_STH15.DWG
LAYOUT NAME - 090265_XS

PLOT DATE : 8/20/2019 8:20 AM PLOT BY : SIMMONS, MASON A PLOT NAME : PLOT SCALE : 1:20_XREF

PRE_318

WISDOT/CADDS SHEET 49

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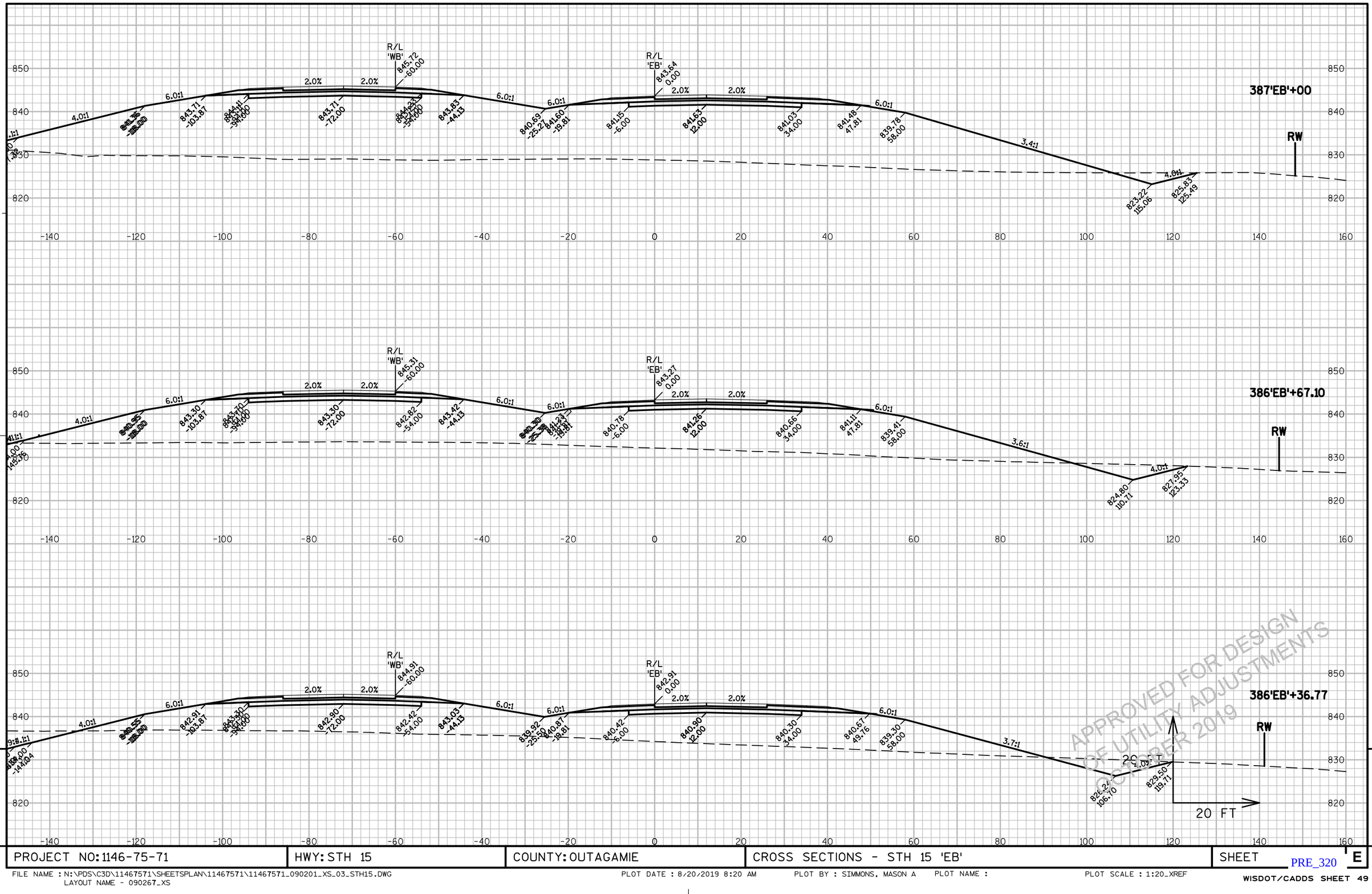
PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS - STH 15 'EB'	SHEET E

PRE_319

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LAYOUT NAME - 090266_XS

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WISDOT/CADDS SHEET 49



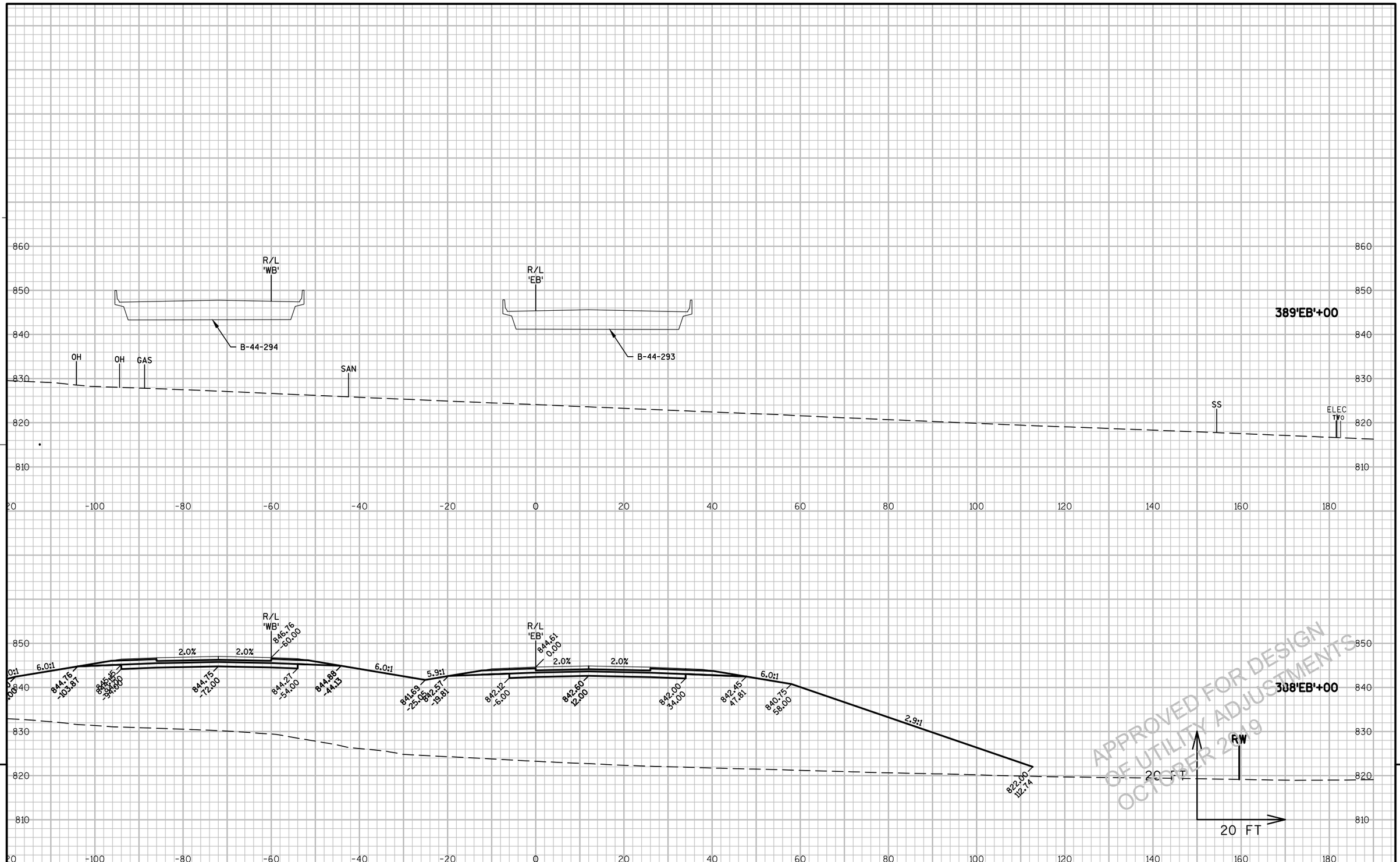
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PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS - STH 15 'EB'	SHEET E

PRE_320

FILE NAME : N:\PDS\C3D\11467571\SHEETSPLAN\11467571\11467571_090201_XS_03_STH15.DWG
LAYOUT NAME - 090267_XS

PLOT DATE : 8/20/2019 8:20 AM PLOT BY : SIMMONS, MASON A PLOT NAME : PLOT SCALE : 1:20_XREF



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OF UTILITY ADJUSTMENTS
OCTOBER 2019

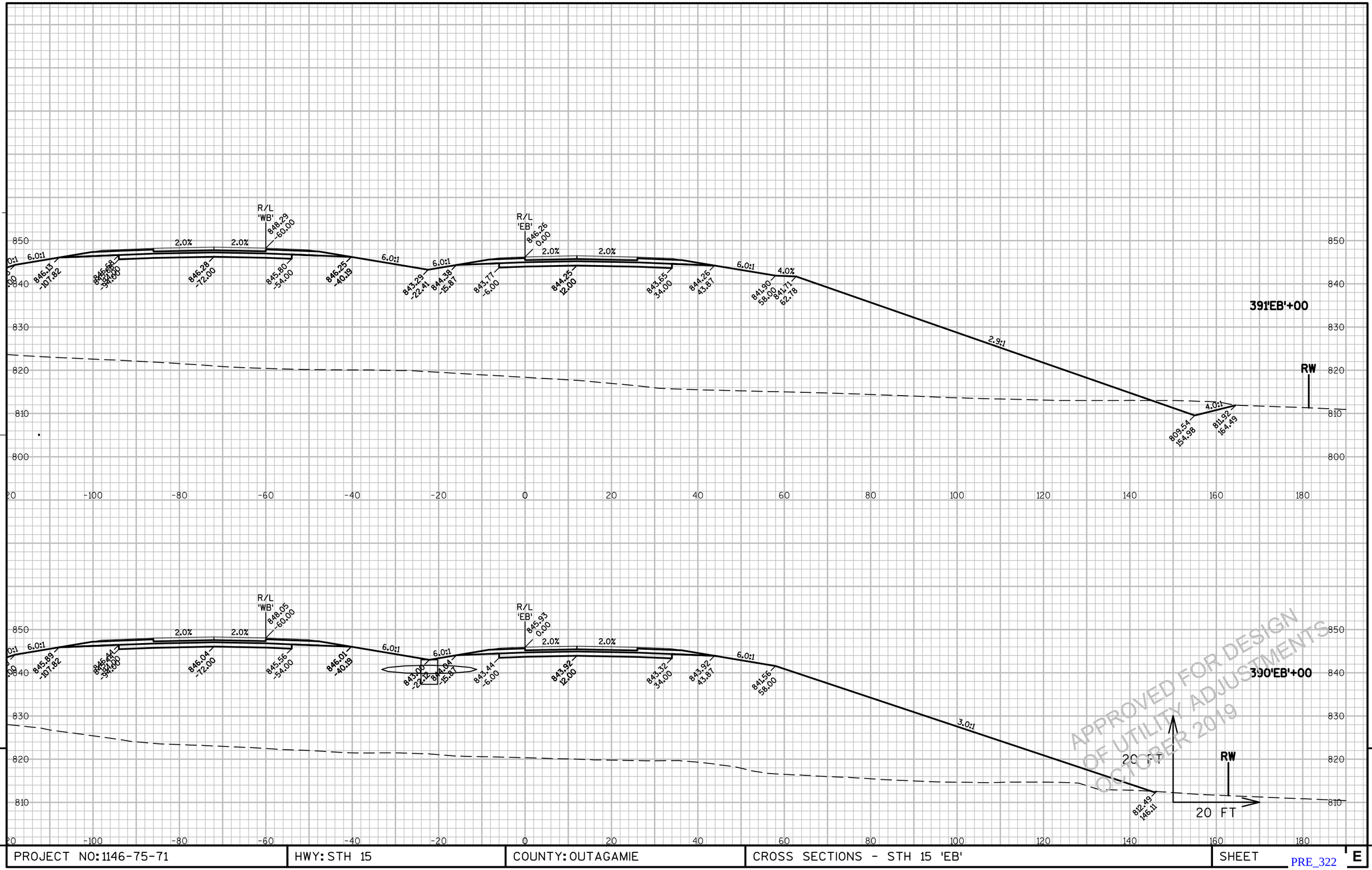
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PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS - STH 15 'EB'	SHEET E

PRE_321

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LAYOUT NAME - 090268_XS

PLOT DATE : 8/20/2019 8:20 AM PLOT BY : SIMMONS, MASON A PLOT NAME : PLOT SCALE : 1:20_XREF



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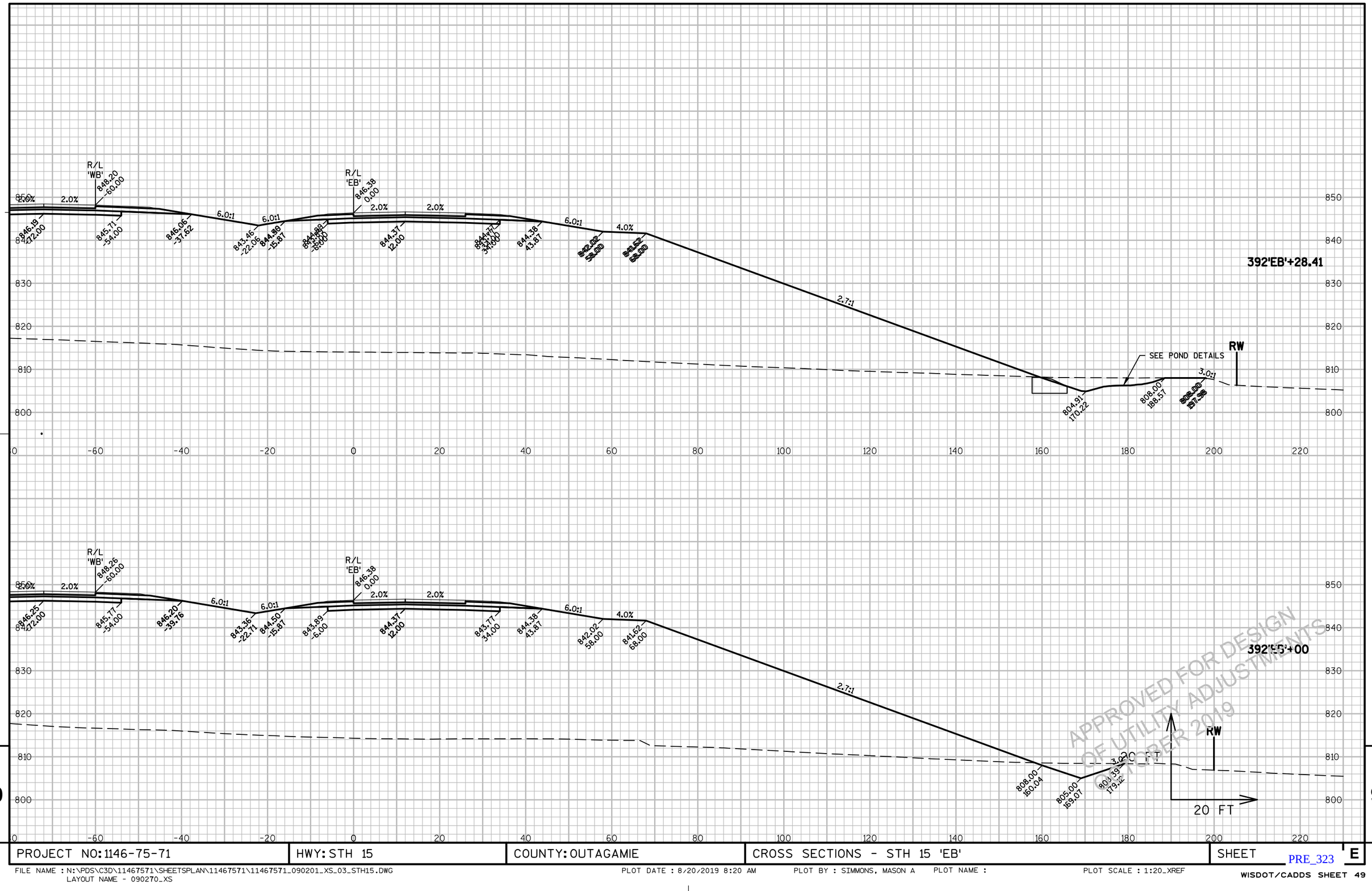
PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS - STH 15 'EB'	SHEET E

PRE_322

FILE NAME : N:\PDS\C3D\11467571\SHEETSPLAN\11467571\11467571_090201_XS_03_STH15.DWG
LAYOUT NAME - 090269_XS

PLOT DATE : 8/20/2019 8:20 AM PLOT BY : SIMMONS, MASON A PLOT NAME : PLOT SCALE : 1:20_XREF

WISDOT/CADDS SHEET 49



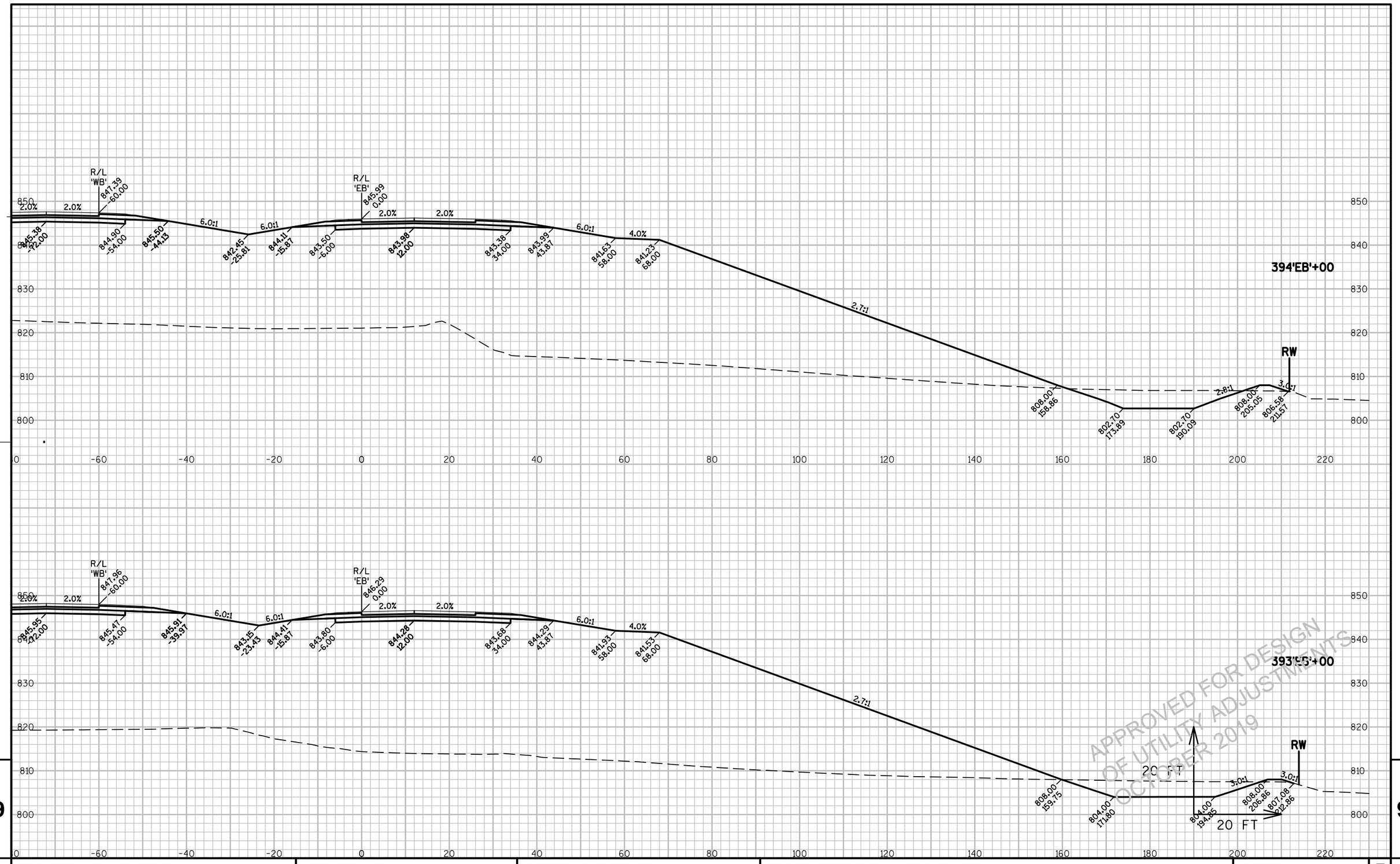
PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS - STH 15 'EB'	SHEET E

FILE NAME : N:\PDS\C3D\11467571\SHEETSPLAN\11467571\11467571_090201_XS_03_STH15.DWG
LAYOUT NAME - 090270_XS

PLOT DATE : 8/20/2019 8:20 AM PLOT BY : SIMMONS, MASON A PLOT NAME : PLOT SCALE : 1:20_XREF

PRE_323

WISDOT/CADDS SHEET 49

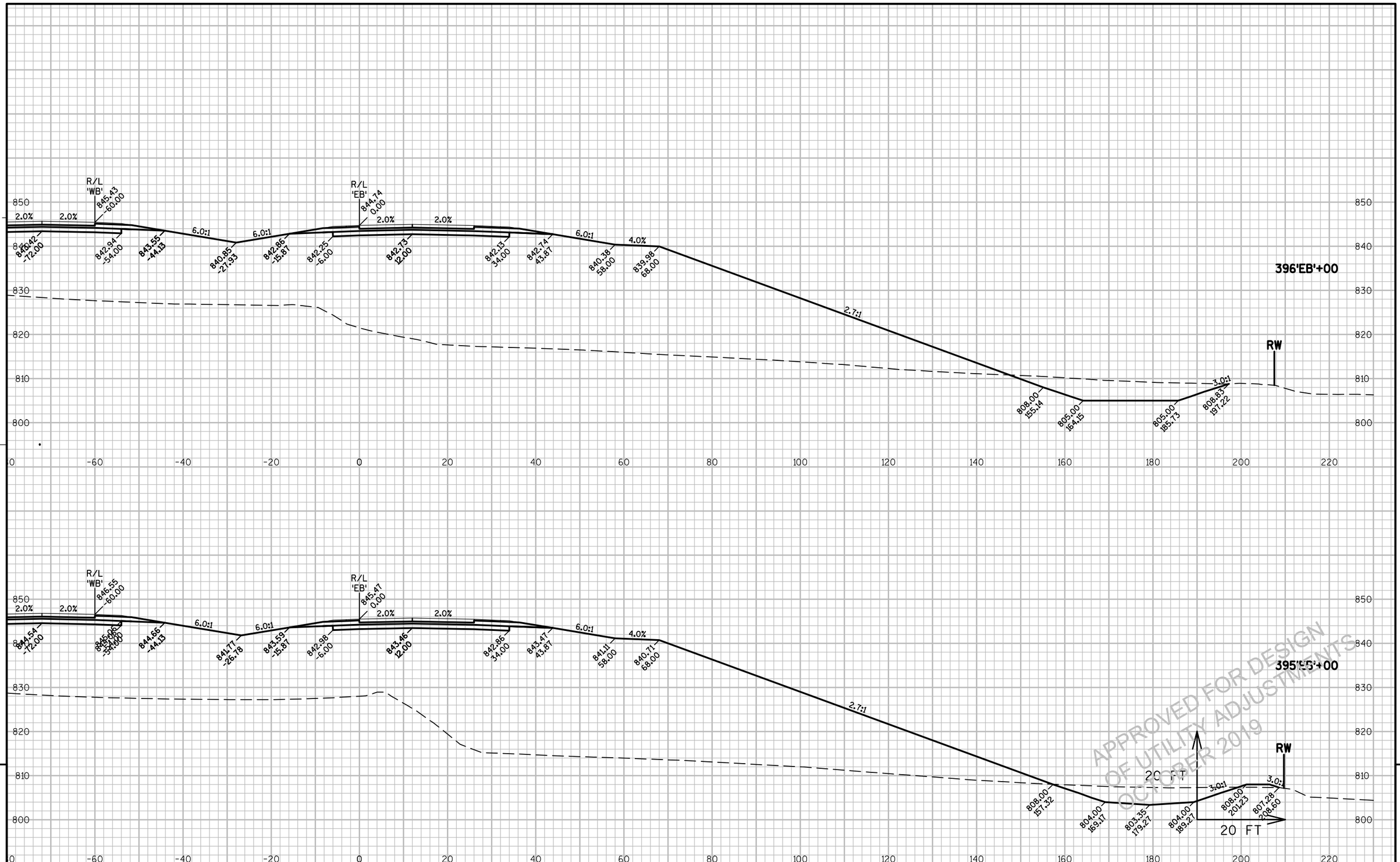


PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS - STH 15 'EB'	SHEET E

FILE NAME : N:\PDS\C3D\11467571\SHEETSPLAN\11467571\11467571_090201_XS_03_STH15.DWG
LAYOUT NAME - 090271_XS

PLOT DATE : 8/20/2019 8:21 AM PLOT BY : SIMMONS, MASON A PLOT NAME : PLOT SCALE : 1:20_XREF

PRE_324



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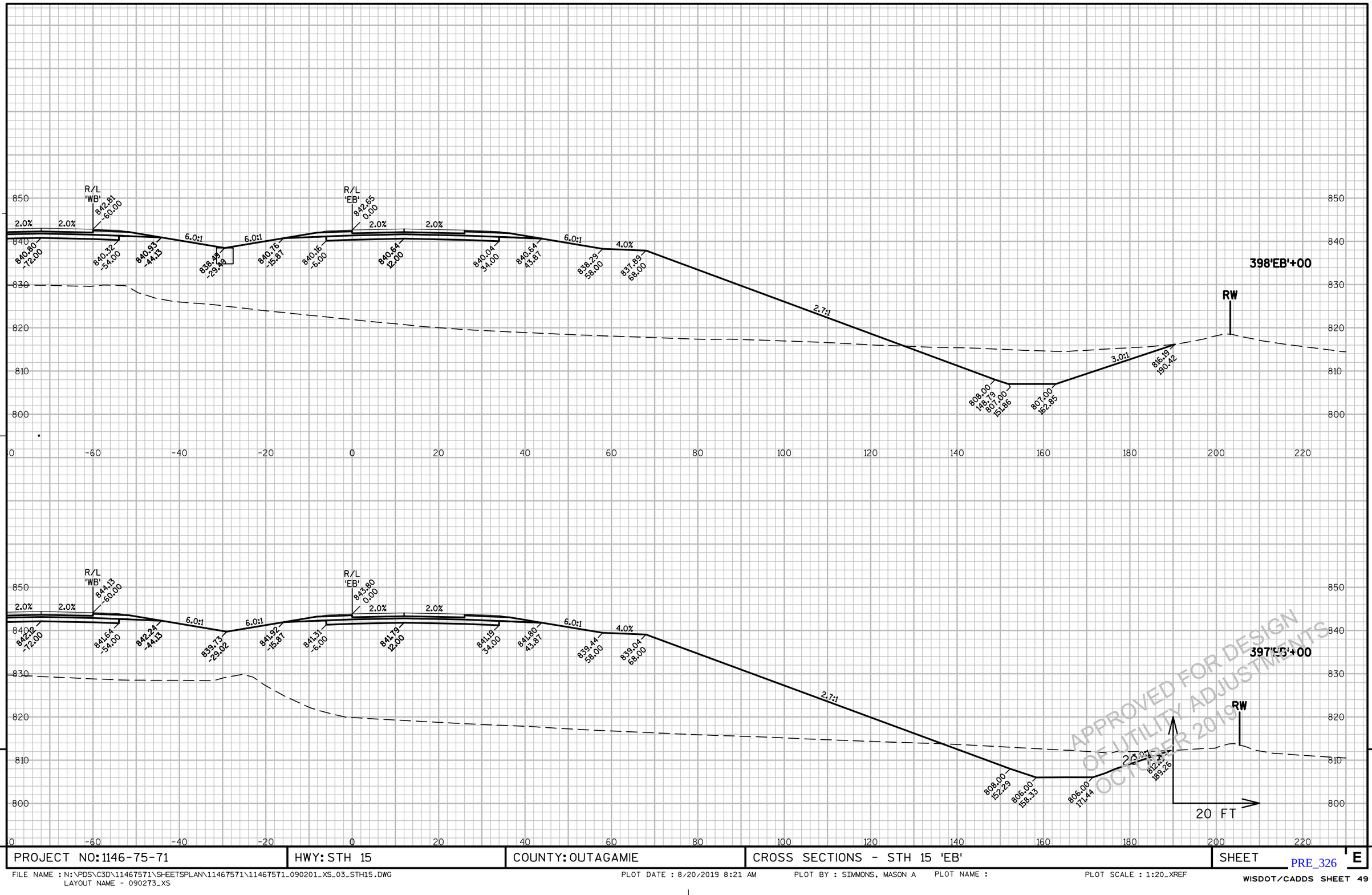
PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS - STH 15 'EB'	SHEET E

PRE_325

FILE NAME : N:\PDS\C3D\11467571\SHEETSPLAN\11467571\11467571_090201_XS_03_STH15.DWG
LAYOUT NAME - 090272_XS

PLOT DATE : 8/20/2019 8:21 AM PLOT BY : SIMMONS, MASON A PLOT NAME : PLOT SCALE : 1:20_XREF

WISDOT/CADDS SHEET 49



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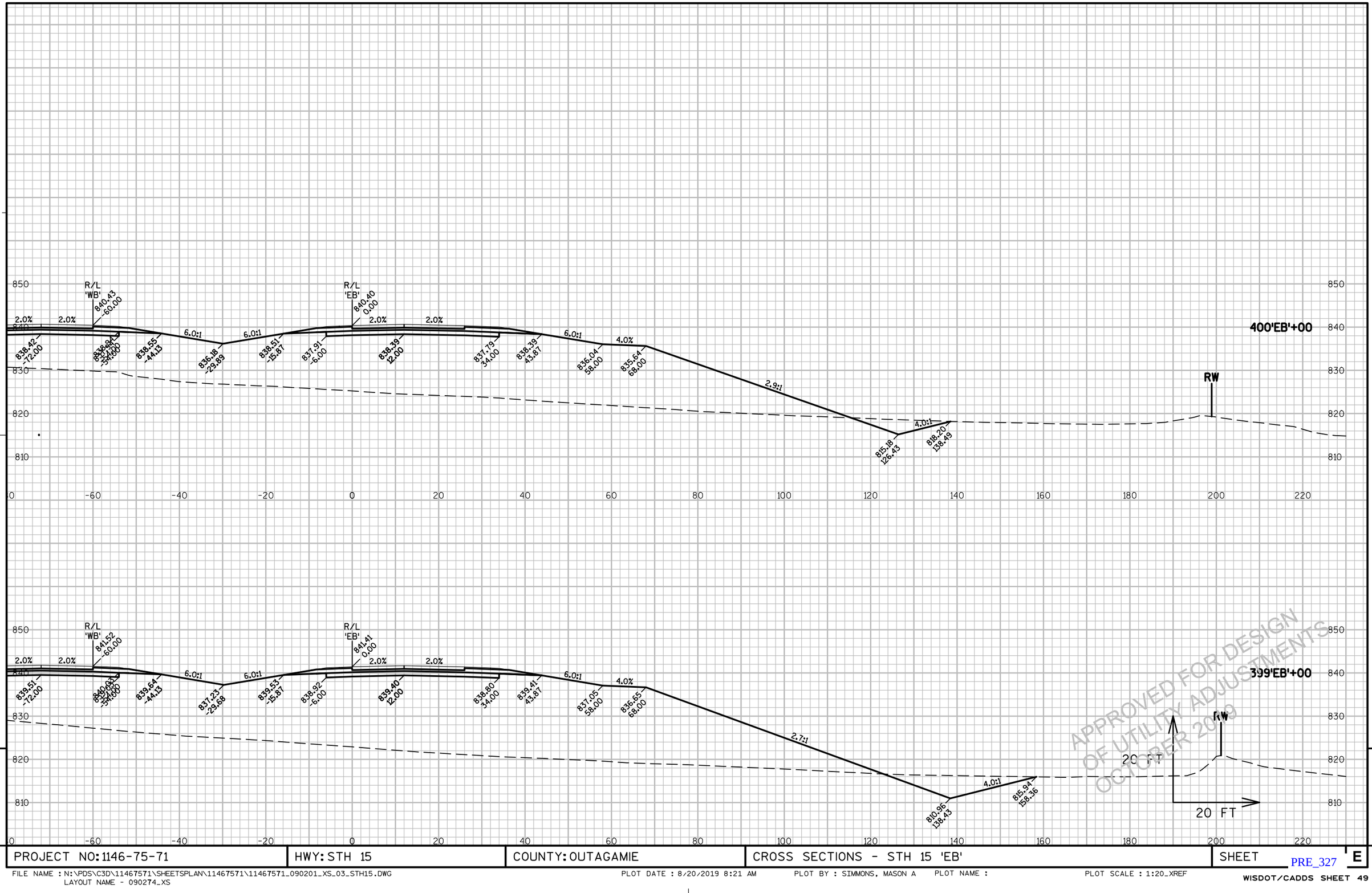
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PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS - STH 15 'EB'	SHEET E

PRE_326

FILE NAME : N:\PDS\C3D\11467571\SHEETSPLAN\11467571\11467571_090201_XS_03_STH15.DWG
LAYOUT NAME - 090273_XS

PLOT DATE : 8/20/2019 8:21 AM PLOT BY : SIMMONS, MASON A PLOT NAME : PLOT SCALE : 1:20_XREF

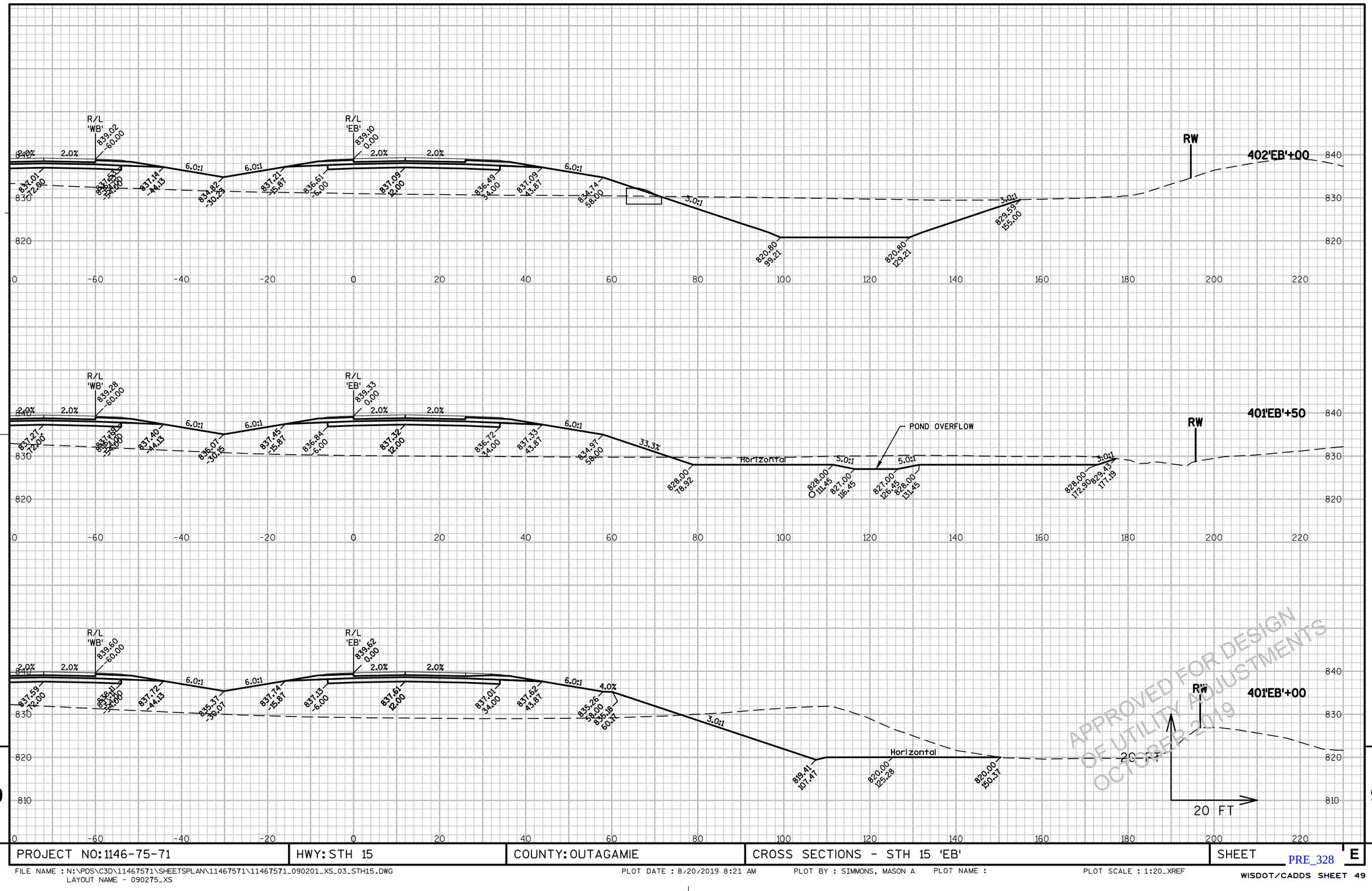


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PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS - STH 15 'EB'	SHEET E

FILE NAME : N:\PDS\C3D\11467571\SHEETSPLAN\11467571\11467571_090201_XS_03_STH15.DWG
LAYOUT NAME - 090274_XS

PLOT DATE : 8/20/2019 8:21 AM PLOT BY : SIMMONS, MASON A PLOT NAME : PLOT SCALE : 1:20_XREF



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OCTOBER 2019

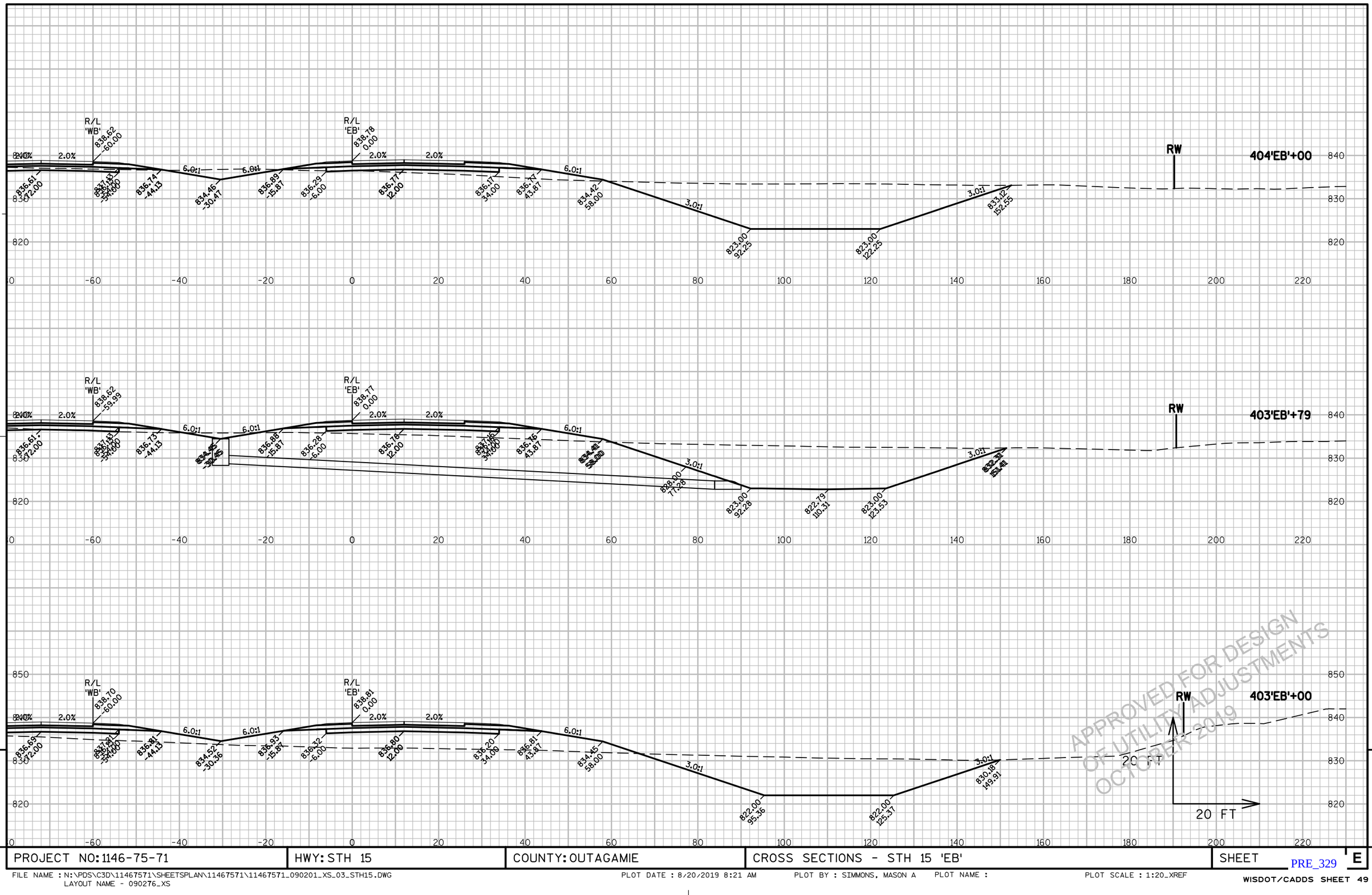
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PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS - STH 15 'EB'	SHEET E

FILE NAME : N:\PDS\C3D\11467571\SHEETSPLAN\11467571\11467571_090201_XS_03_STH15.DWG
LAYOUT NAME - 090275_XS
PLOT DATE : 8/20/2019 8:21 AM
PLOT BY : SIMMONS, MASON A
PLOT NAME :
PLOT SCALE : 1:20_XREF

PRE_328



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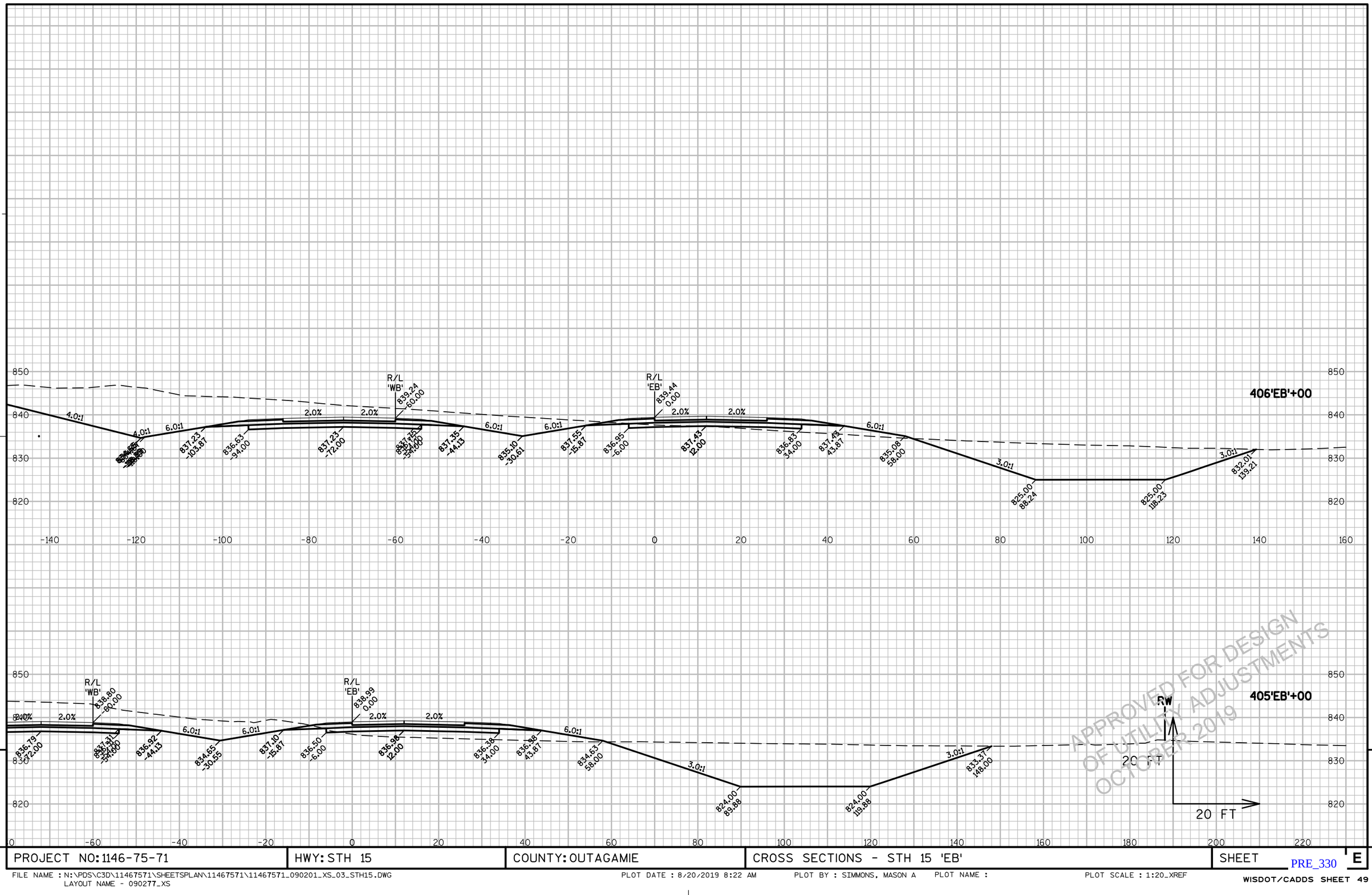
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9

PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS - STH 15 'EB'	SHEET E

FILE NAME : N:\PDS\C3D\11467571\SHEETSPLAN\11467571\11467571_090201_XS_03_STH15.DWG
LAYOUT NAME - 090276_XS

PLOT DATE : 8/20/2019 8:21 AM PLOT BY : SIMMONS, MASON A PLOT NAME : PLOT SCALE : 1:20_XREF



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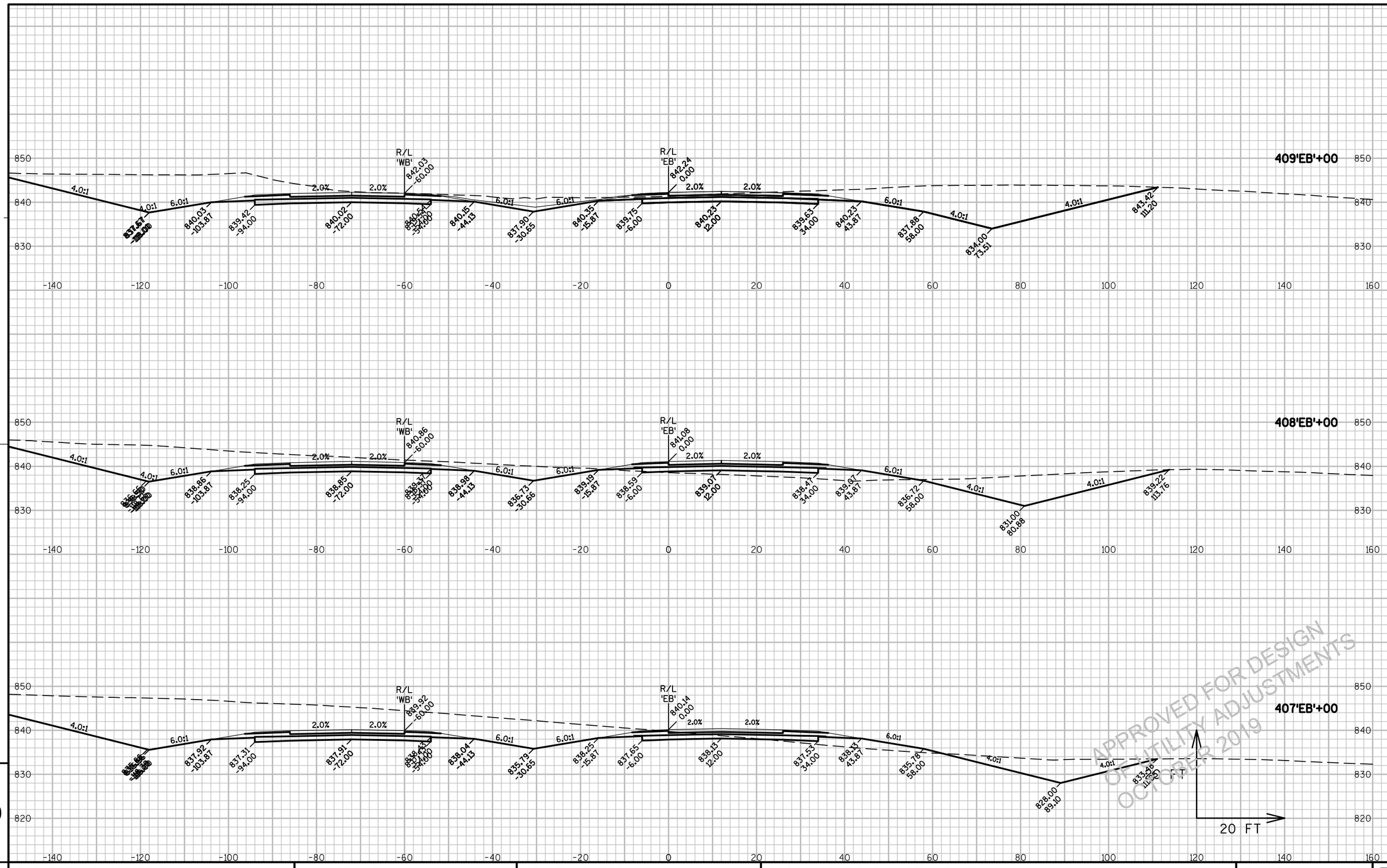
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PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS - STH 15 'EB'	SHEET E

PRE_330

FILE NAME : N:\PDS\C3D\11467571\SHEETSPLAN\11467571\11467571_090201_XS_03_STH15.DWG
LAYOUT NAME - 090277_XS

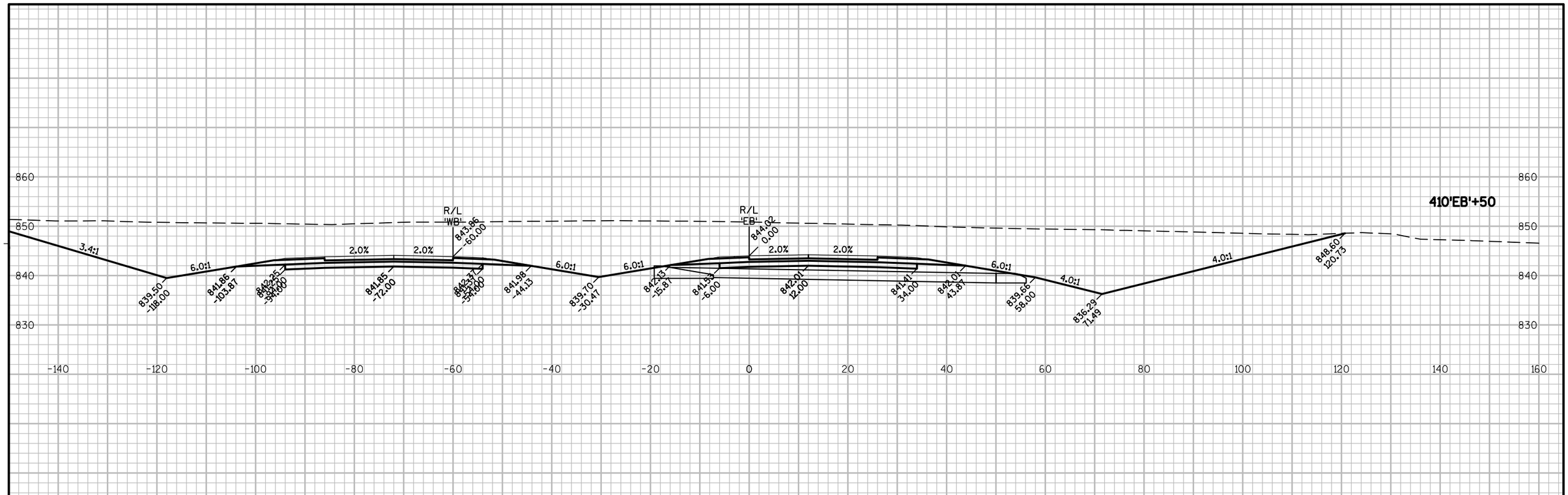
PLOT DATE : 8/20/2019 8:22 AM PLOT BY : SIMMONS, MASON A PLOT NAME : PLOT SCALE : 1:20_XREF



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PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS - STH 15 'EB'	SHEET E

FILE NAME : N:\PDS\C3D\11467571\SHEETSPLAN\11467571\11467571_090201_XS_04_STH15.DWG
LAYOUT NAME - 090280_XS
PLOT DATE : 8/20/2019 8:31 AM PLOT BY : SIMMONS, MASON A PLOT NAME : PLOT SCALE : 1" = 20'_XREF



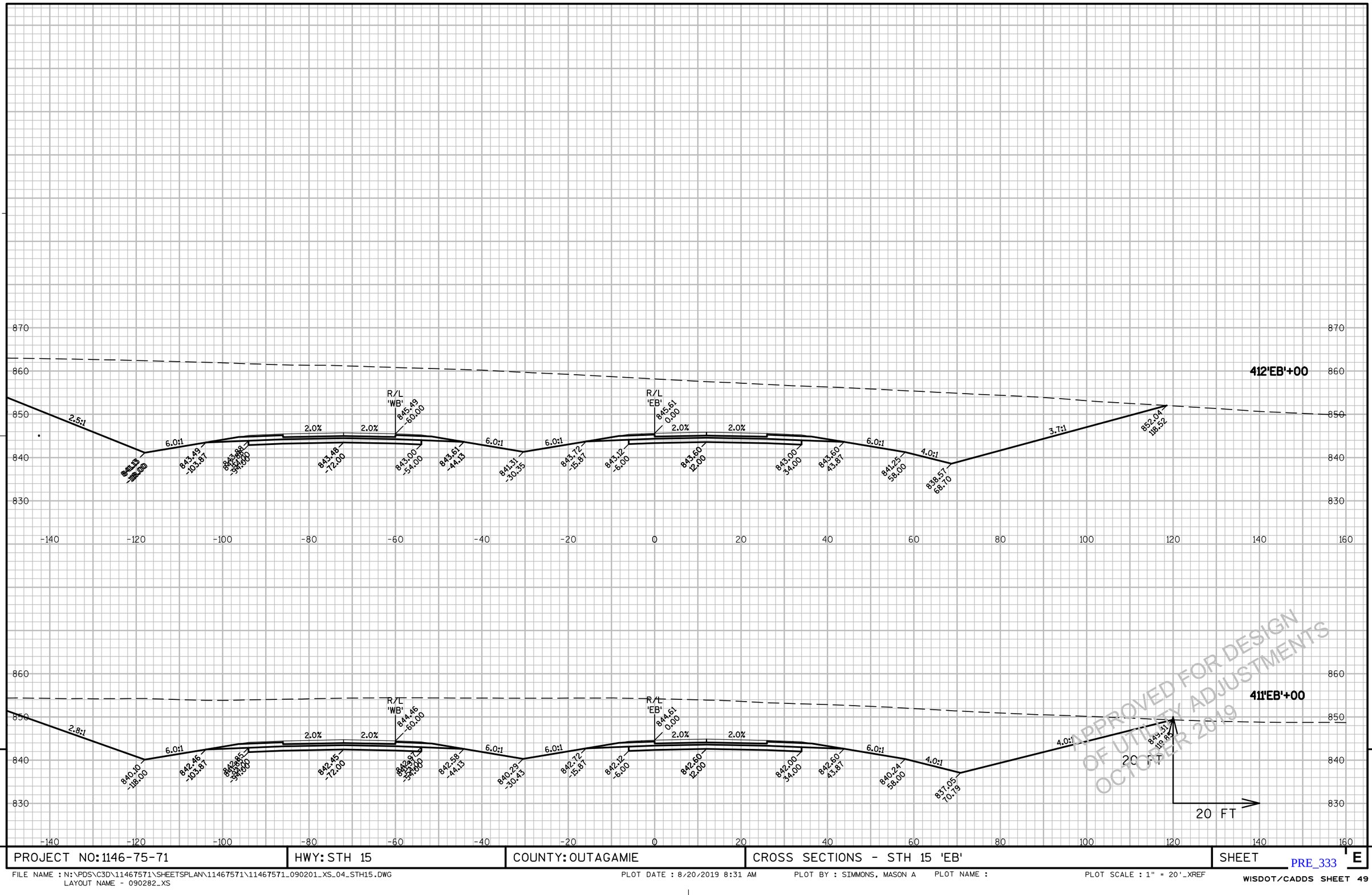
APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS
OCTOBER 2019

9

PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS - STH 15 'EB'	SHEET E

PRE_332

FILE NAME : N:\PDS\C3D\11467571\SHEETSPLAN\11467571\11467571_090201_XS_04_STH15.DWG
LAYOUT NAME - 090281_XS
PLOT DATE : 8/20/2019 8:31 AM
PLOT BY : SIMMONS, MASON A
PLOT NAME :
PLOT SCALE : 1" = 20'_XREF
WISDOT/CADDS SHEET 49



PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS - STH 15 'EB'	SHEET E

PRE_333

FILE NAME : N:\PDS\C3D\11467571\SHEETSPLAN\11467571\11467571_090201_XS_04_STH15.DWG
LAYOUT NAME - 090282_XS

PLOT DATE : 8/20/2019 8:31 AM PLOT BY : SIMMONS, MASON A PLOT NAME : PLOT SCALE : 1" = 20'_XREF

WISDOT/CADDS SHEET 49

414'EB'+00

R/L 'WB' 846.79 -60.00
R/L 'EB' 846.86 0.00
2.5:1
6.0:1
2.0%
2.0%
6.0:1
6.0:1
6.0:1
4.0:1
2.5:1
842.43 -108.00
844.79 -103.87
845.68 -94.00
844.78 -72.00
844.30 -54.00
844.91 -44.13
842.59 -30.21
844.98 -15.87
844.37 -6.00
844.85 12.00
844.25 34.00
844.86 43.87
842.50 58.00
840.86 64.58
859.76 111.83

413'EB'+00

R/L 'WB' 845.27 -60.00
R/L 'EB' 846.36 0.00
2.5:1
6.0:1
2.0%
2.0%
6.0:1
6.0:1
6.0:1
4.0:1
2.6:1
841.91 -108.00
844.26 -103.87
845.66 -94.00
844.26 -72.00
843.78 -54.00
844.38 -44.13
842.07 -30.27
844.47 -15.87
843.87 -6.00
844.35 12.00
843.75 34.00
844.35 43.87
842.00 58.00
839.91 66.37
855.39 107.02

880 870 860 850 840 830
-140 -120 -100 -80 -60 -40 -20 0 20 40 60 80 100 120 140 160

20 FT
20 FT

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OCTOBER 2019

9

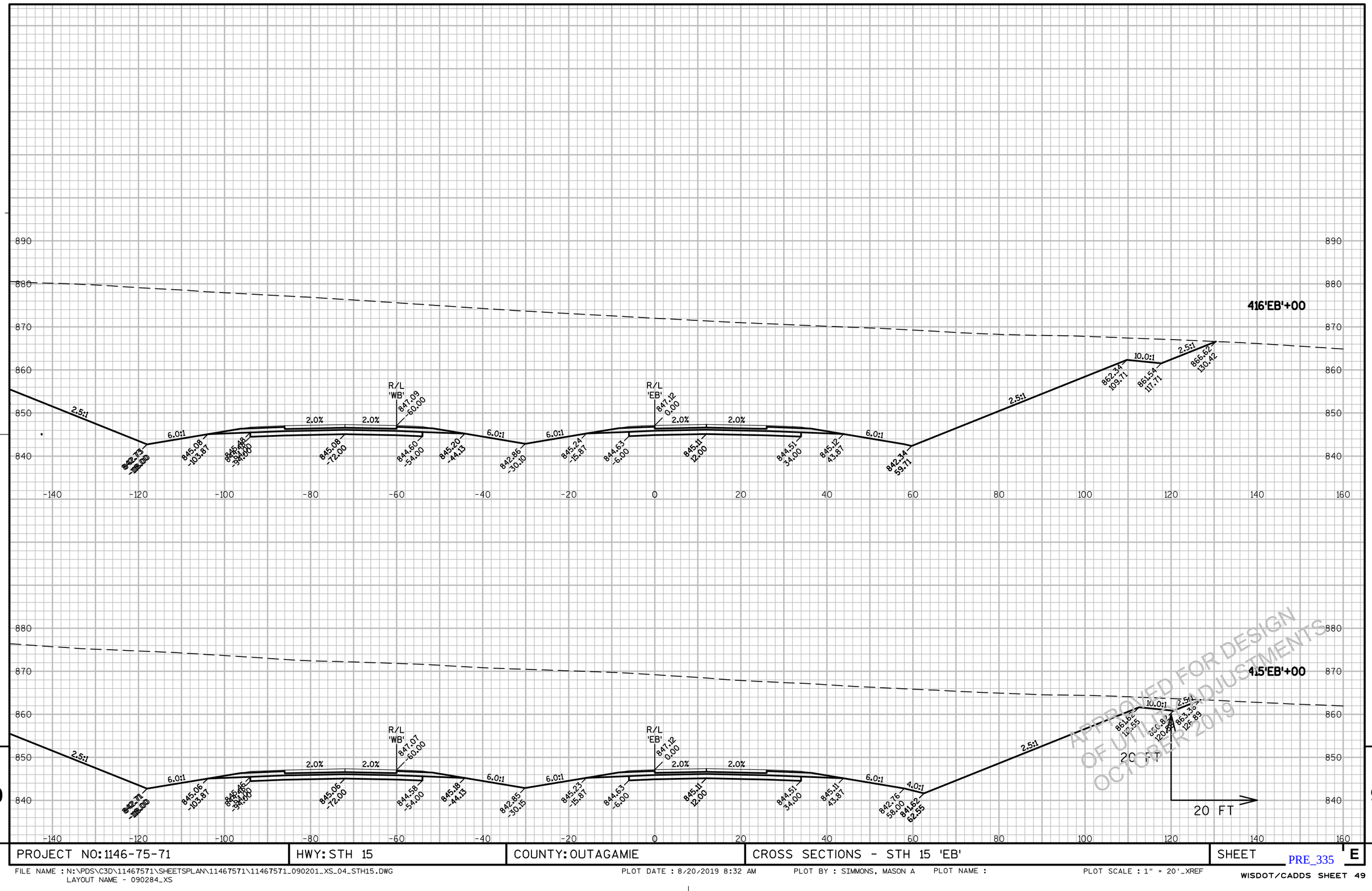
PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS - STH 15 'EB'	SHEET E

FILE NAME : N:\PDS\C3D\11467571\SHEETSPLAN\11467571\11467571_090201_XS_04_STH15.DWG
LAYOUT NAME - 090283_XS

PLOT DATE : 8/20/2019 8:31 AM PLOT BY : SIMMONS, MASON A PLOT NAME : PLOT SCALE : 1" = 20'_XREF

PRE_334

WISDOT/CADDS SHEET 49



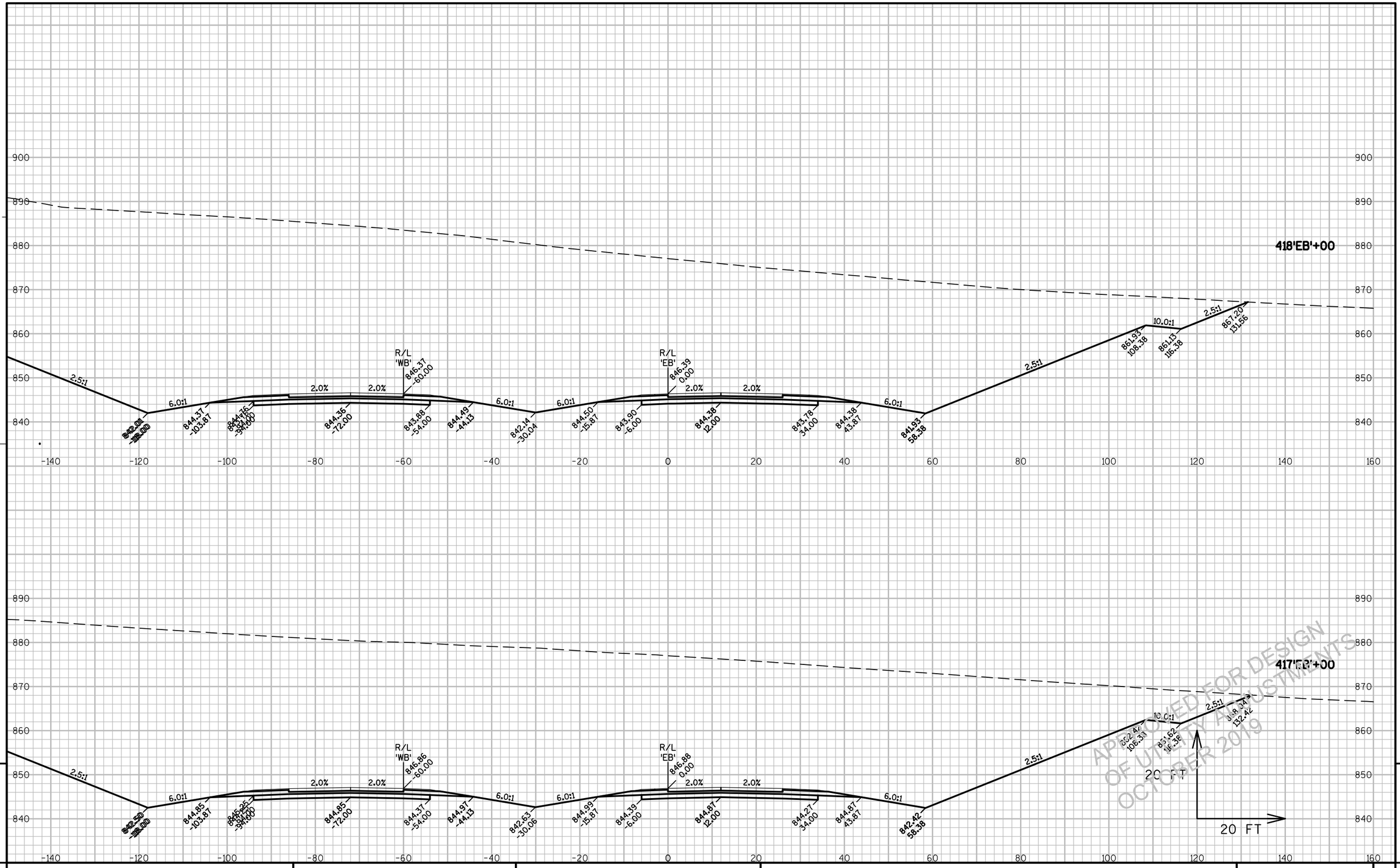
PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS - STH 15 'EB'	SHEET E

FILE NAME : N:\PDS\C3D\11467571\SHEETSPLAN\11467571\11467571_090201_XS_04_STH15.DWG
LAYOUT NAME - 090284_XS

PLOT DATE : 8/20/2019 8:32 AM PLOT BY : SIMMONS, MASON A PLOT NAME : PLOT SCALE : 1" = 20'_XREF

PRE_335

WISDOT/CADDS SHEET 49



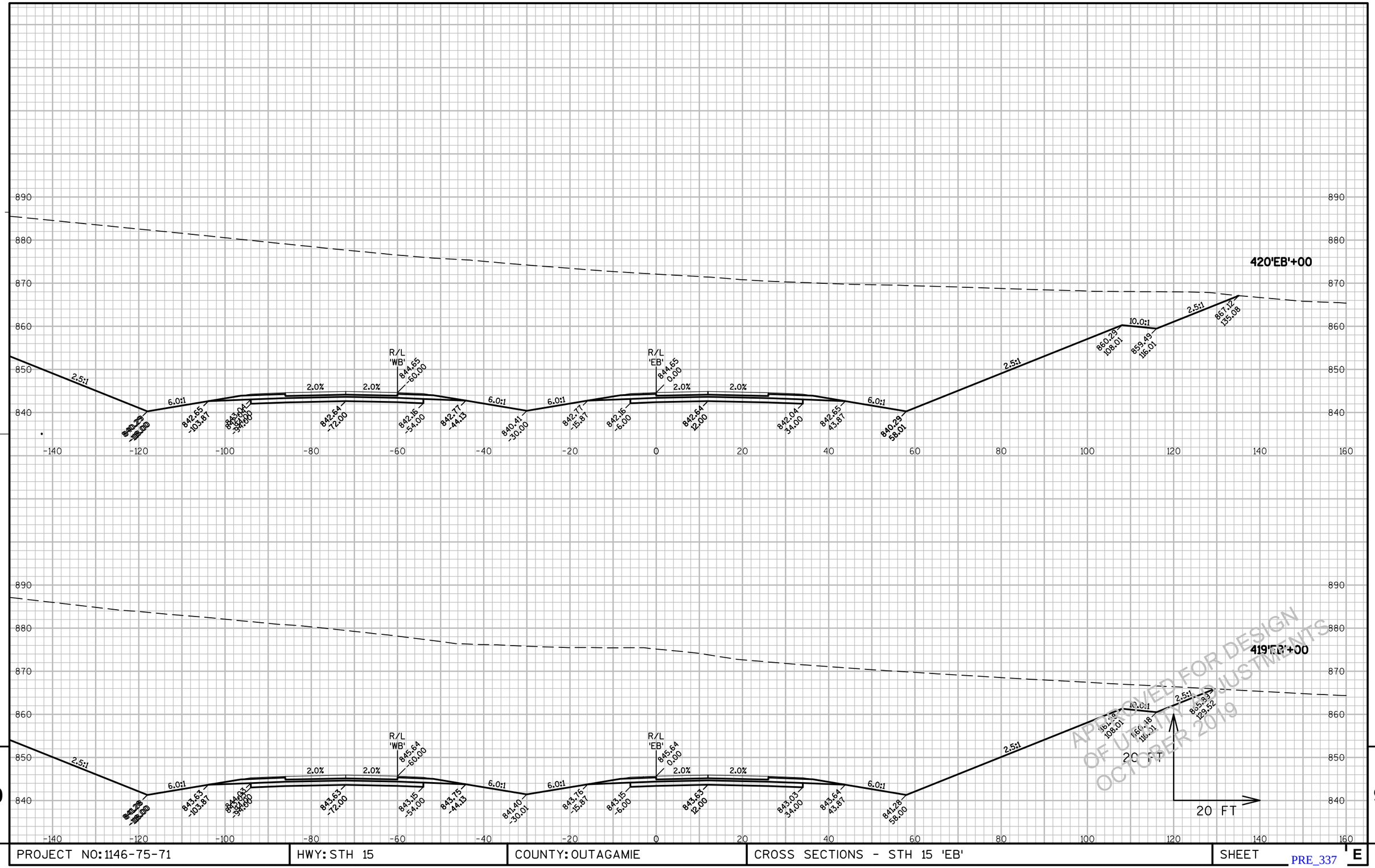
PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS - STH 15 'EB'	SHEET E

PRE_336

FILE NAME : N:\PDS\C3D\11467571\SHEETSPLAN\11467571\11467571_090201_XS_04_STH15.DWG
LAYOUT NAME - 090285_XS

PLOT DATE : 8/20/2019 8:32 AM PLOT BY : SIMMONS, MASON A PLOT NAME : PLOT SCALE : 1" = 20'_XREF

WISDOT/CADDS SHEET 49



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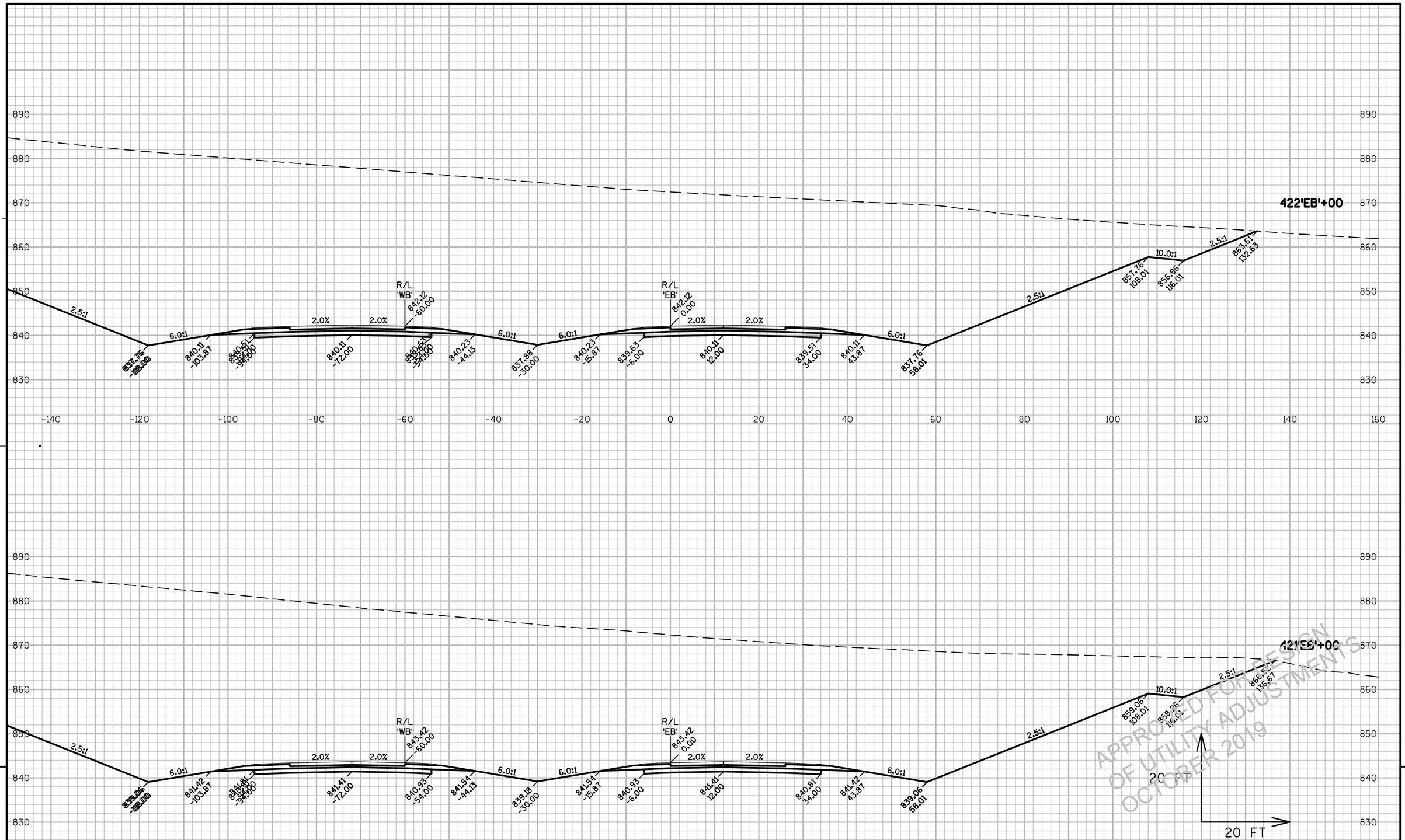
PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS - STH 15 'EB'	SHEET E

PRE_337

FILE NAME : N:\PDS\C3D\11467571\SHEETSPLAN\11467571\11467571_090201_XS_04_STH15.DWG
LAYOUT NAME - 090286_XS

PLOT DATE : 8/20/2019 8:32 AM PLOT BY : SIMMONS, MASON A PLOT NAME : PLOT SCALE : 1" = 20'_XREF

WISDOT/CADDS SHEET 49

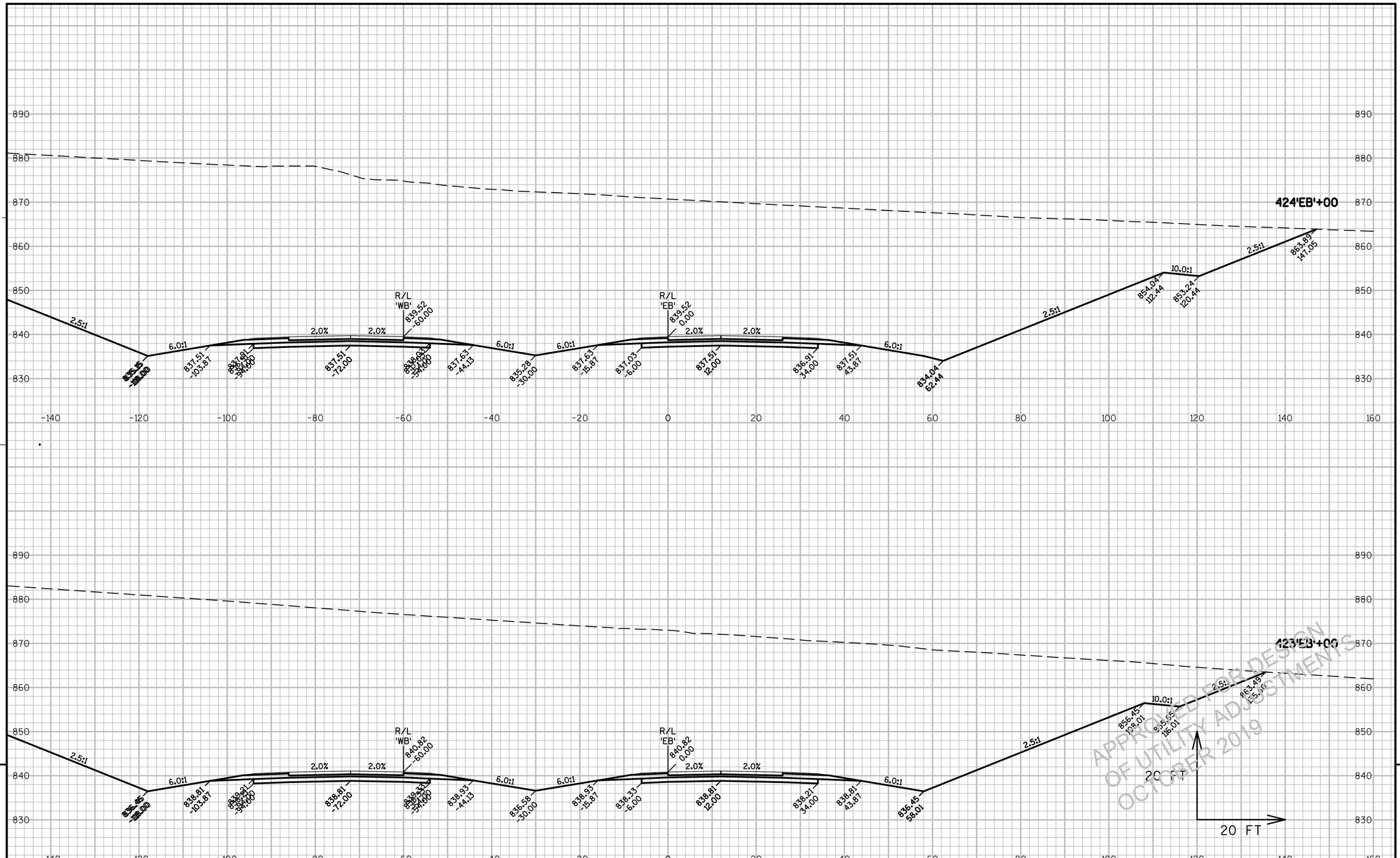


PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS - STH 15 'EB'	SHEET E

PRE_338

FILE NAME : N:\PDS\C3D\11467571\SHEETSPLAN\11467571\11467571_090201_XS_04_STH15.DWG
LAYOUT NAME - 090287_XS

PLOT DATE : 8/20/2019 8:32 AM PLOT BY : SIMMONS, MASON A PLOT NAME : PLOT SCALE : 1" = 20'_XREF



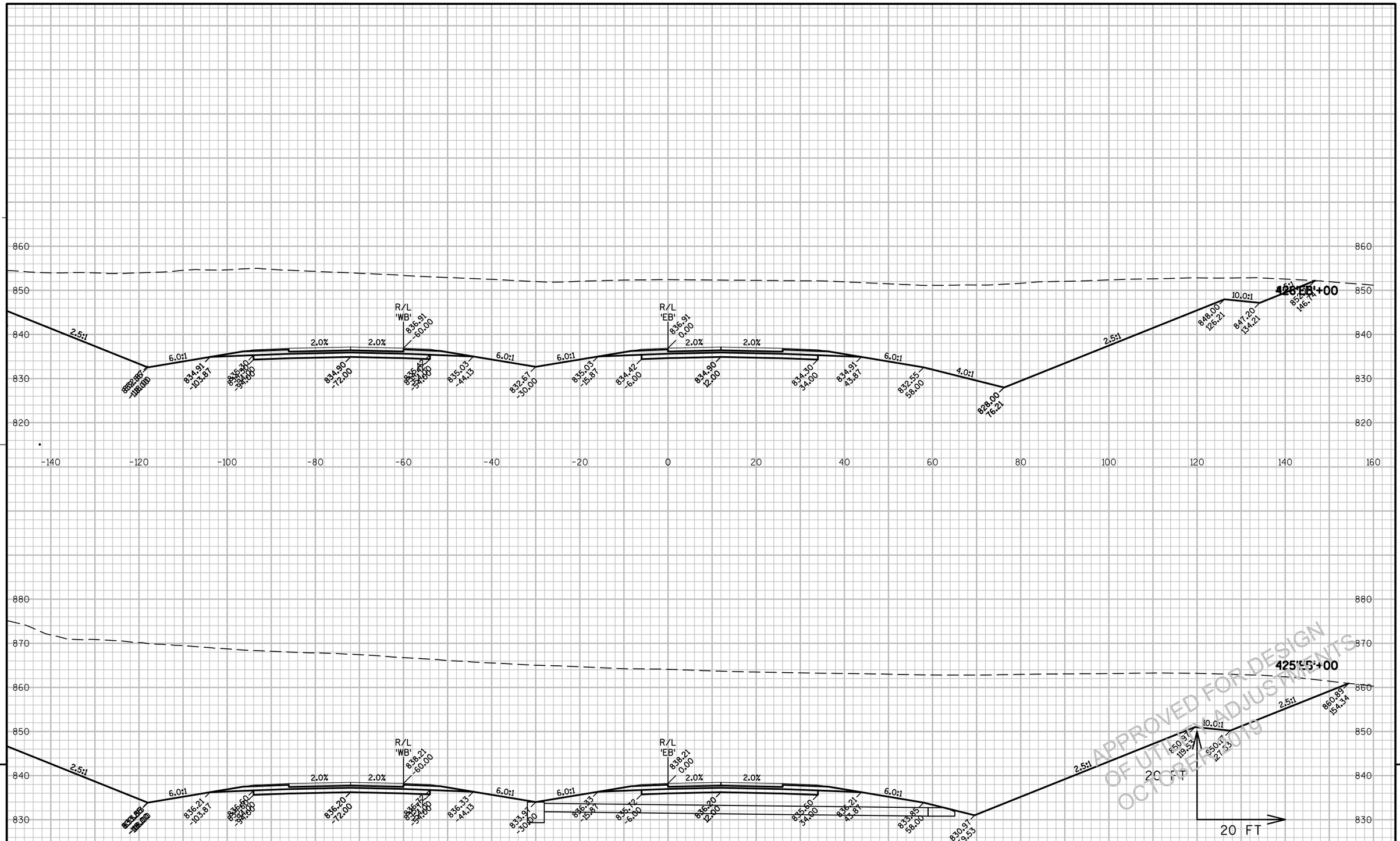
APPROVED FOR DESIGN OF UTILITY ADJUSTMENTS OCTOBER 2019

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PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS - STH 15 'EB'	SHEET E

FILE NAME : N:\PDS\C3D\11467571\SHEETSPLAN\11467571\11467571_090201_XS_04_STH15.DWG
LAYOUT NAME - 090288_XS

PLOT DATE : 8/20/2019 8:32 AM PLOT BY : SIMMONS, MASON A PLOT NAME : PLOT SCALE : 1" = 20'_XREF



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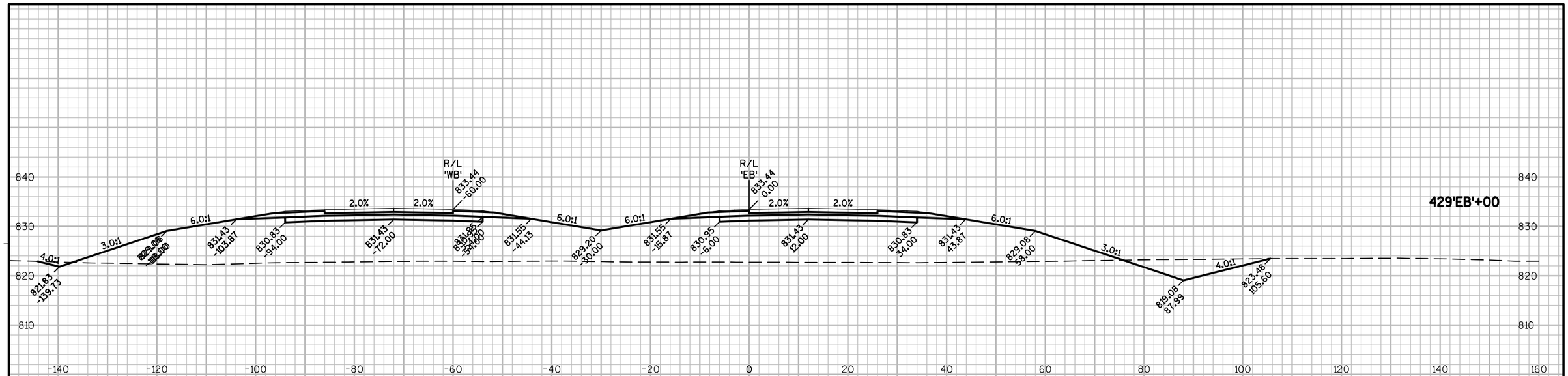
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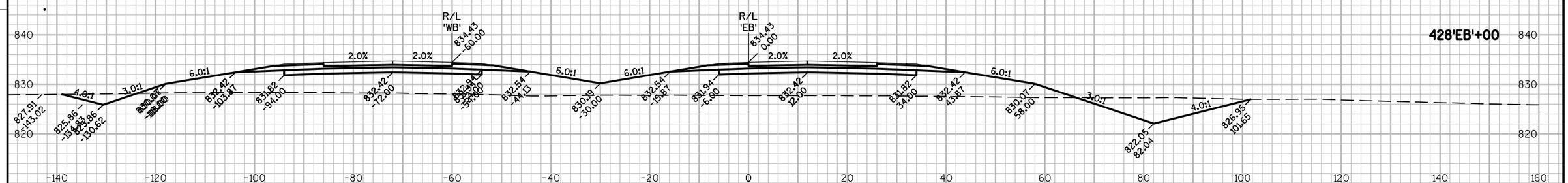
PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS - STH 15 'EB'	SHEET E

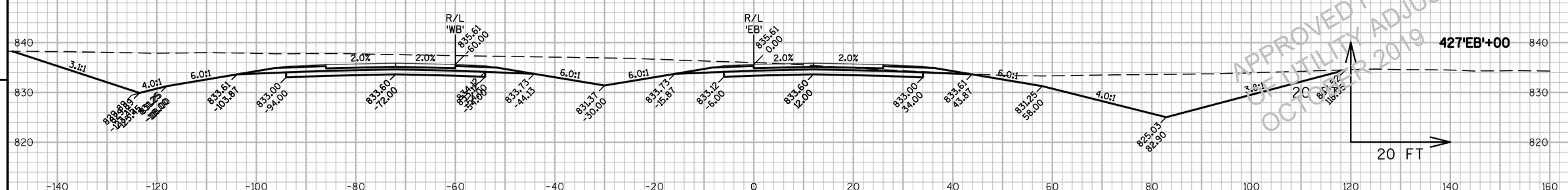
PRE_340

FILE NAME : N:\PDS\C3D\11467571\SHEETSPLAN\11467571\11467571_090201_XS_04_STH15.DWG
LAYOUT NAME - 090289_XS

PLOT DATE : 8/20/2019 8:32 AM PLOT BY : SIMMONS, MASON A PLOT NAME : PLOT SCALE : 1" = 20'_XREF







9

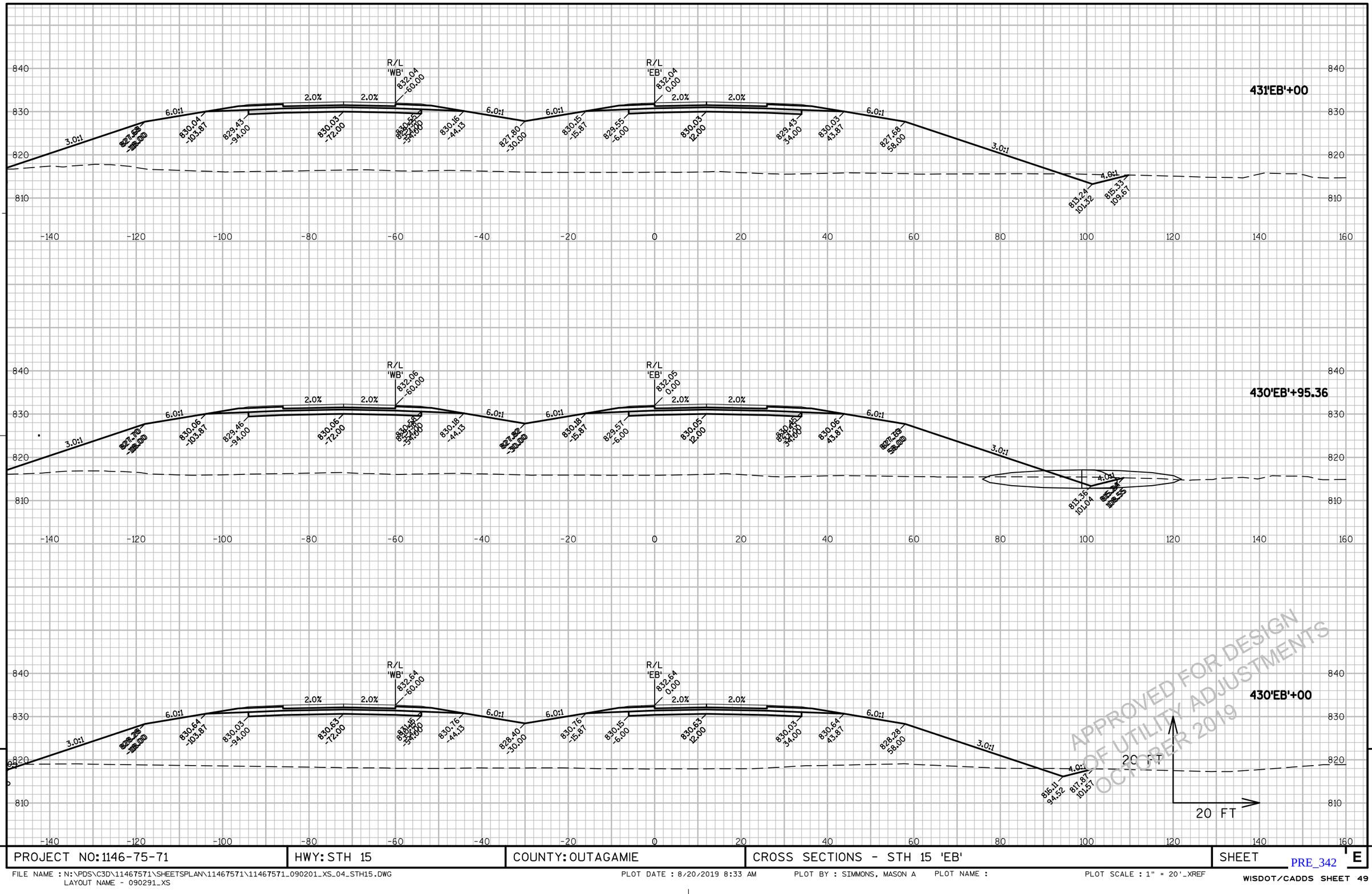
PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS - STH 15 'EB'	SHEET E

PRE_341

FILE NAME : N:\PDS\C3D\11467571\SHEETSPLAN\11467571\11467571_090201_XS_04_STH15.DWG
LAYOUT NAME - 090290_XS

PLOT DATE : 8/20/2019 8:33 AM PLOT BY : SIMMONS, MASON A PLOT NAME : PLOT SCALE : 1" = 20'_XREF

WISDOT/CADDS SHEET 49

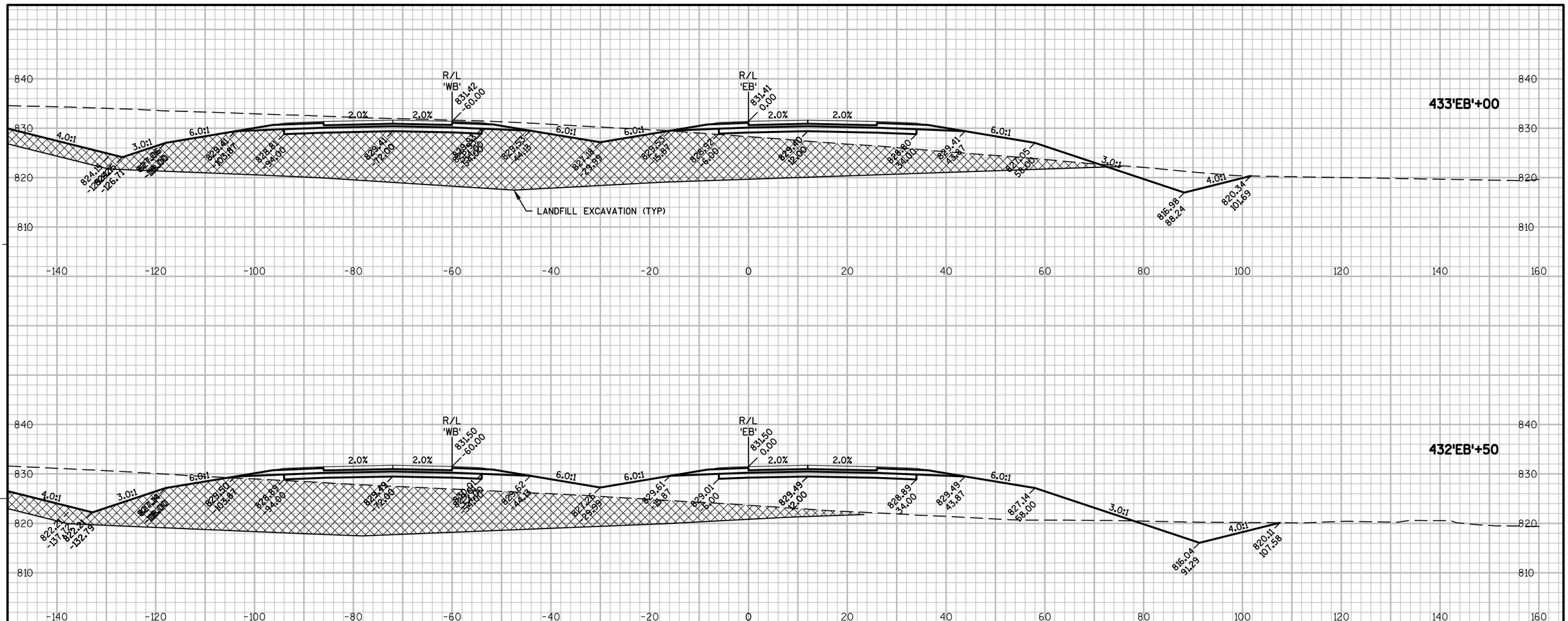


PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS - STH 15 'EB'	SHEET E

PRE_342

FILE NAME : N:\PDS\C3D\11467571\SHEETSPLAN\11467571\11467571_090201_XS_04_STH15.DWG
LAYOUT NAME - 090291_XS

PLOT DATE : 8/20/2019 8:33 AM PLOT BY : SIMMONS, MASON A PLOT NAME : PLOT SCALE : 1" = 20'_XREF



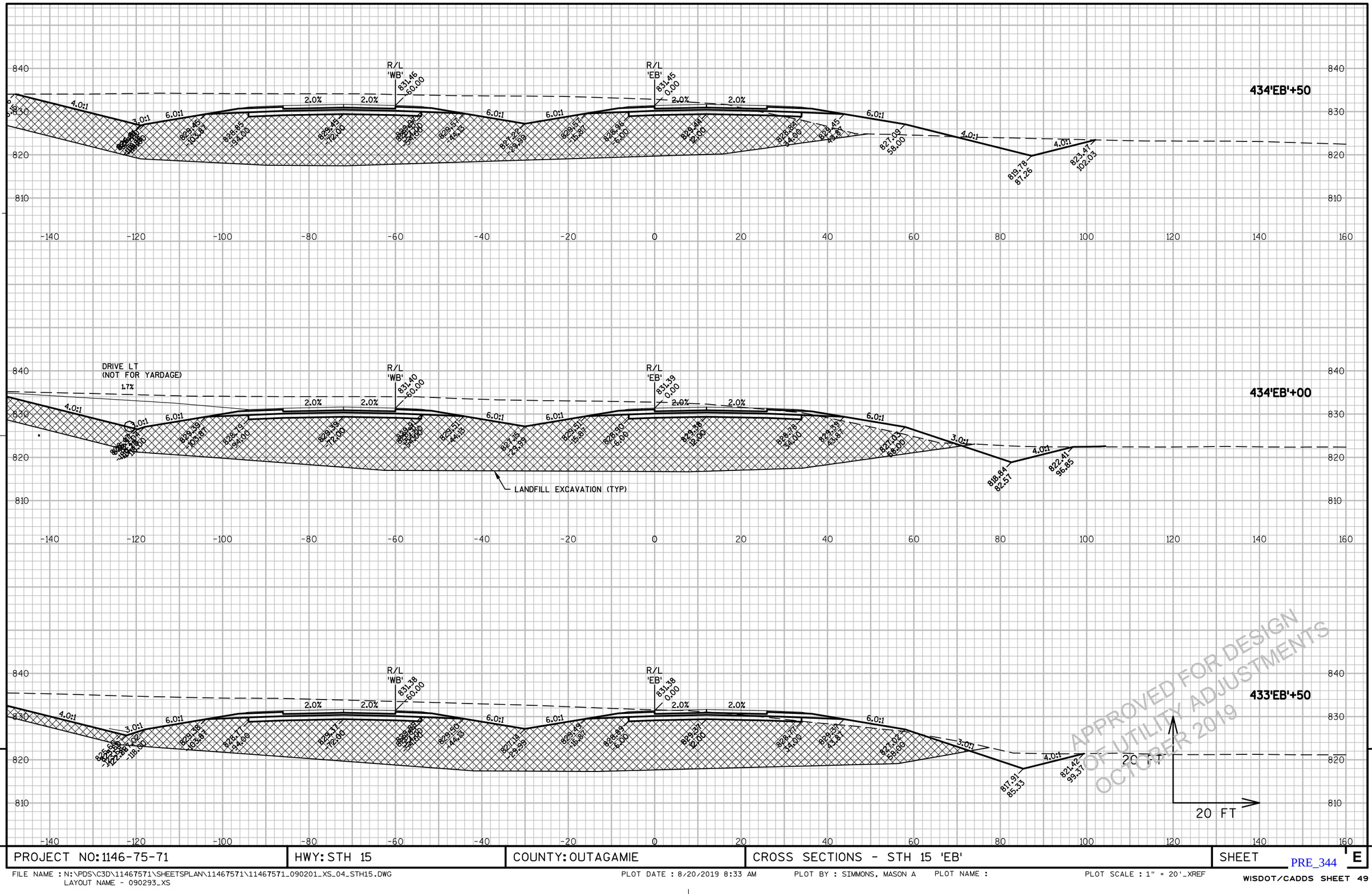
PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS - STH 15 'EB'	SHEET E

FILE NAME : N:\PDS\C3D\11467571\SHEETSPLAN\11467571\11467571_090201_XS_04_STH15.DWG
LAYOUT NAME - 090292_XS

PLOT DATE : 8/20/2019 8:33 AM PLOT BY : SIMMONS, MASON A PLOT NAME : PLOT SCALE : 1" = 20'_XREF

PRE_343

WISDOT/CADDS SHEET 49



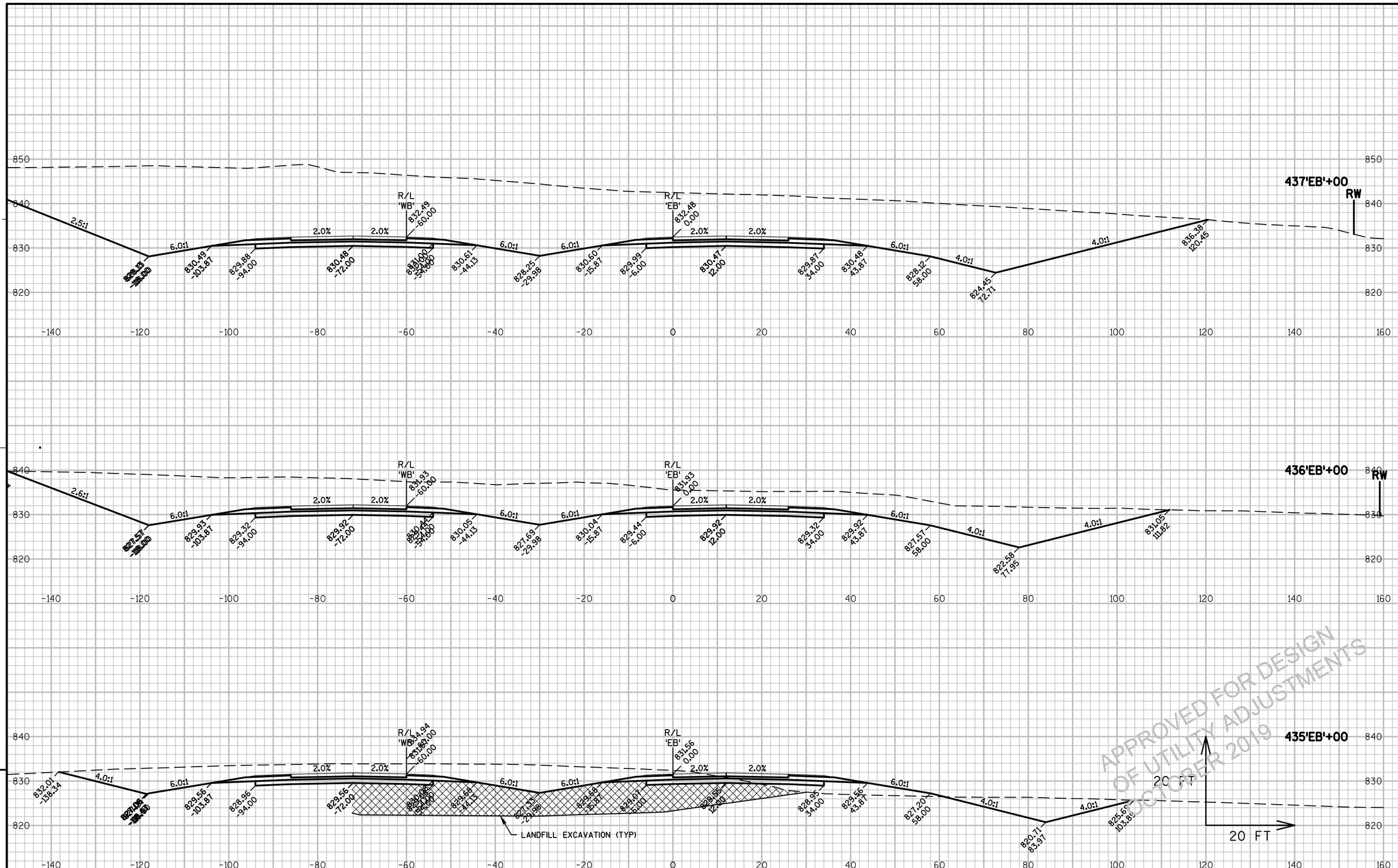
PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS - STH 15 'EB'	SHEET E

PRE_344

FILE NAME : N:\PDS\C3D\11467571\SHEETSPLAN\11467571\11467571_090201_XS_04_STH15.DWG
LAYOUT NAME - 090293_XS

PLOT DATE : 8/20/2019 8:33 AM PLOT BY : SIMMONS, MASON A PLOT NAME : PLOT SCALE : 1" = 20'_XREF

WISDOT/CADDS SHEET 49



9

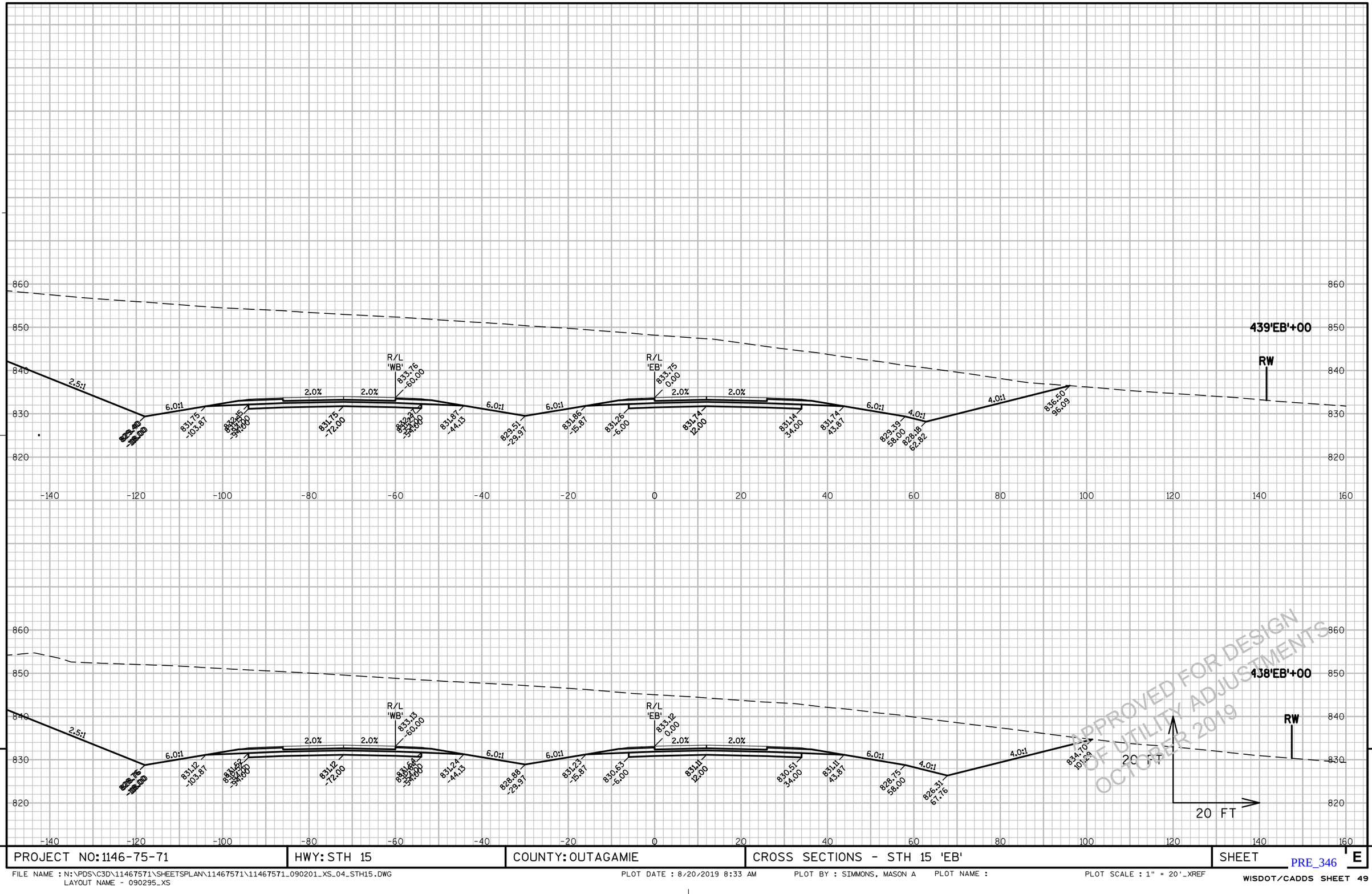
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PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS - STH 15 'EB'	SHEET E

PRE_345

FILE NAME : N:\PDS\C3D\11467571\SHEETSPLAN\11467571\11467571_090201_XS_04_STH15.DWG
LAYOUT NAME - 090294_XS

PLOT DATE : 8/20/2019 8:33 AM PLOT BY : SIMMONS, MASON A PLOT NAME : PLOT SCALE : 1" = 20'_XREF



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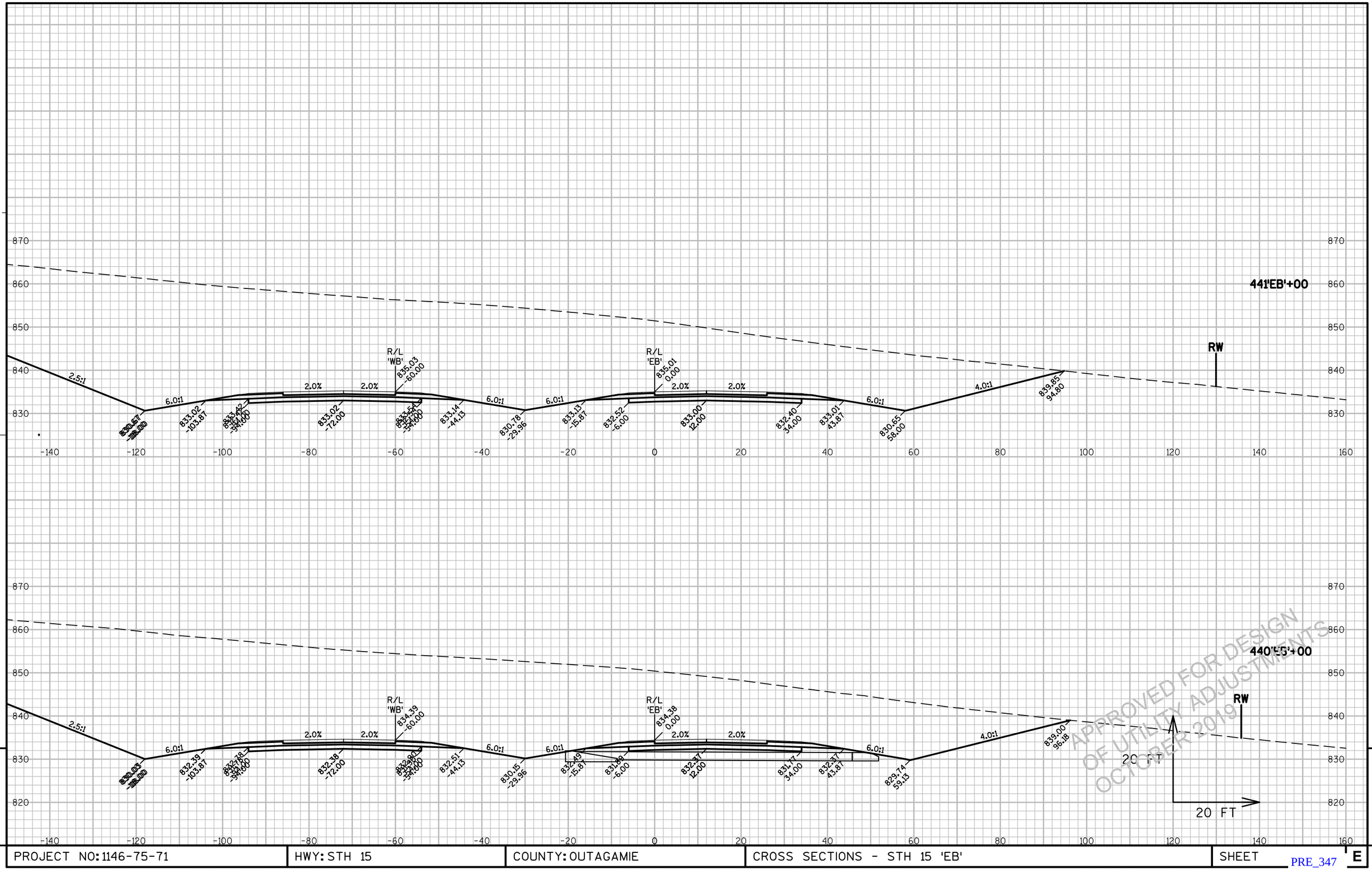
PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS - STH 15 'EB'	SHEET E

PRE_346

FILE NAME : N:\PDS\C3D\11467571\SHEETSPLAN\11467571\11467571_090201_XS_04_STH15.DWG
LAYOUT NAME - 090295_XS

PLOT DATE : 8/20/2019 8:33 AM PLOT BY : SIMMONS, MASON A PLOT NAME : PLOT SCALE : 1" = 20'_XREF

WISDOT/CADDS SHEET 49



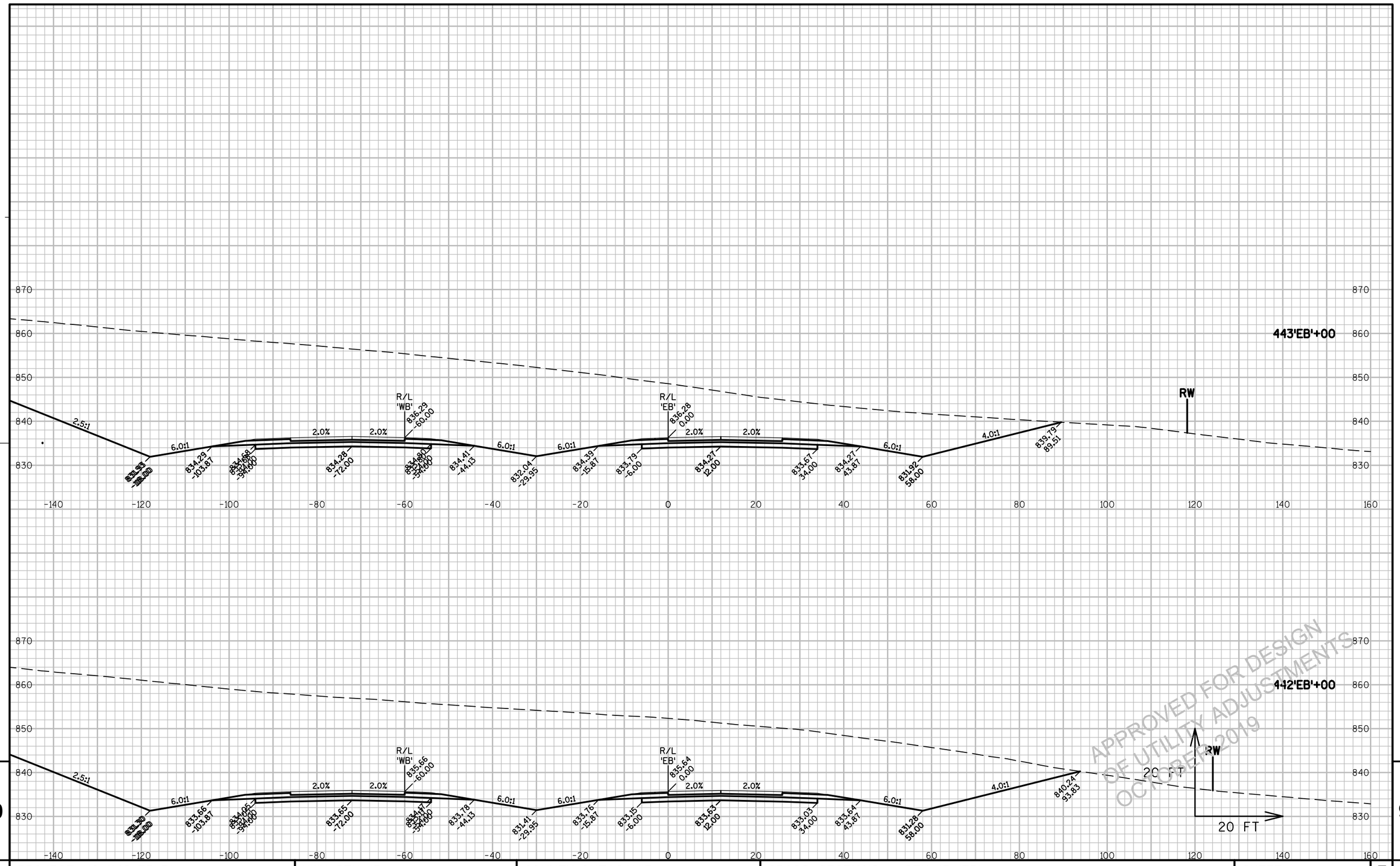
PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS - STH 15 'EB'	SHEET E

PRE_347

FILE NAME : N:\PDS\C3D\11467571\SHEETSPLAN\11467571\11467571_090201_XS_04_STH15.DWG
LAYOUT NAME - 090296_XS

PLOT DATE : 8/20/2019 8:33 AM PLOT BY : SIMMONS, MASON A PLOT NAME : PLOT SCALE : 1" = 20'_XREF

WISDOT/CADDS SHEET 49



9

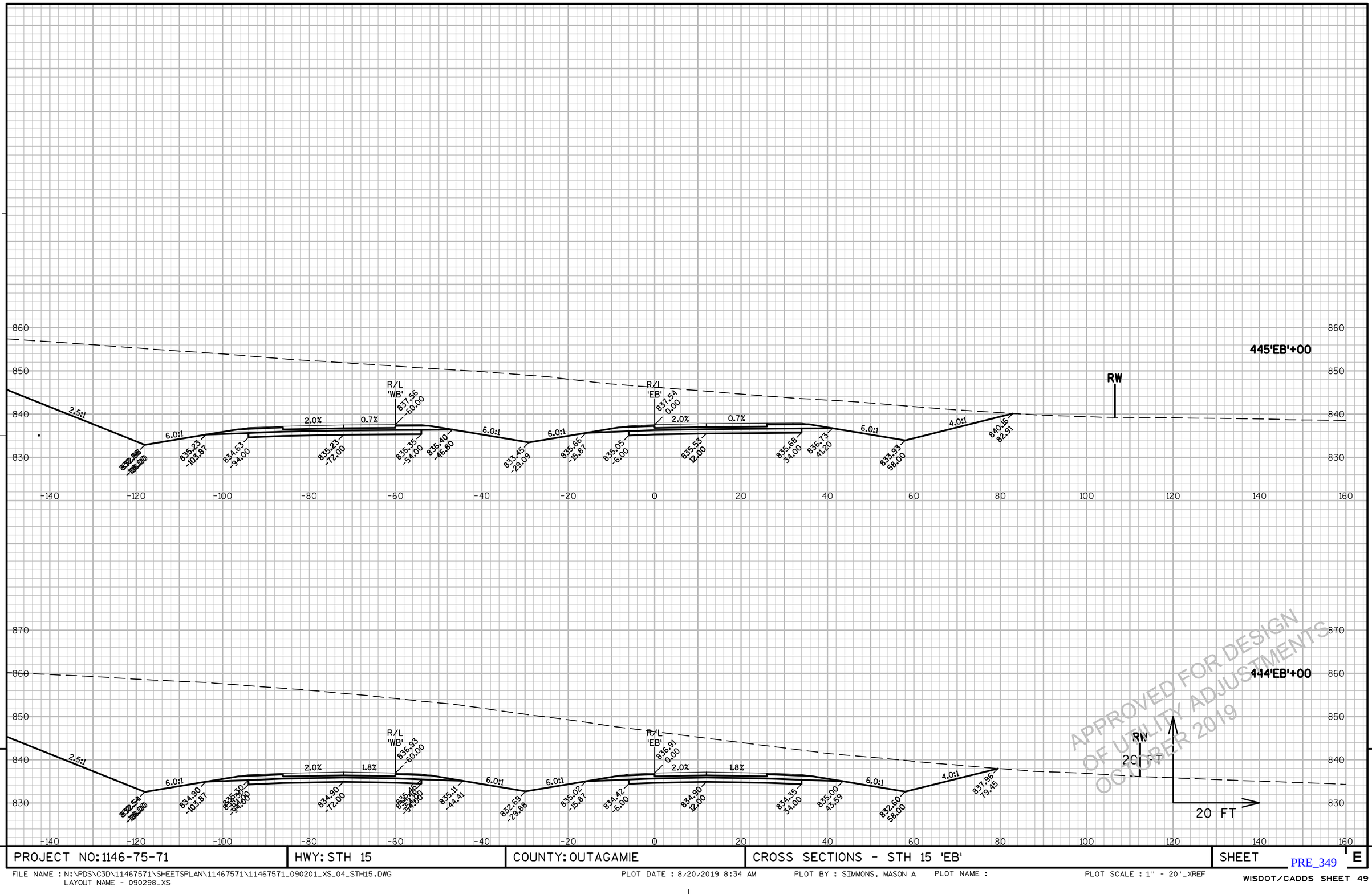
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PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS - STH 15 'EB'	SHEET E

PRE_348

FILE NAME : N:\PDS\C3D\11467571\SHEETSPLAN\11467571\11467571_090201_XS_04_STH15.DWG
LAYOUT NAME - 090297_XS

PLOT DATE : 8/20/2019 8:34 AM PLOT BY : SIMMONS, MASON A PLOT NAME : PLOT SCALE : 1" = 20'_XREF



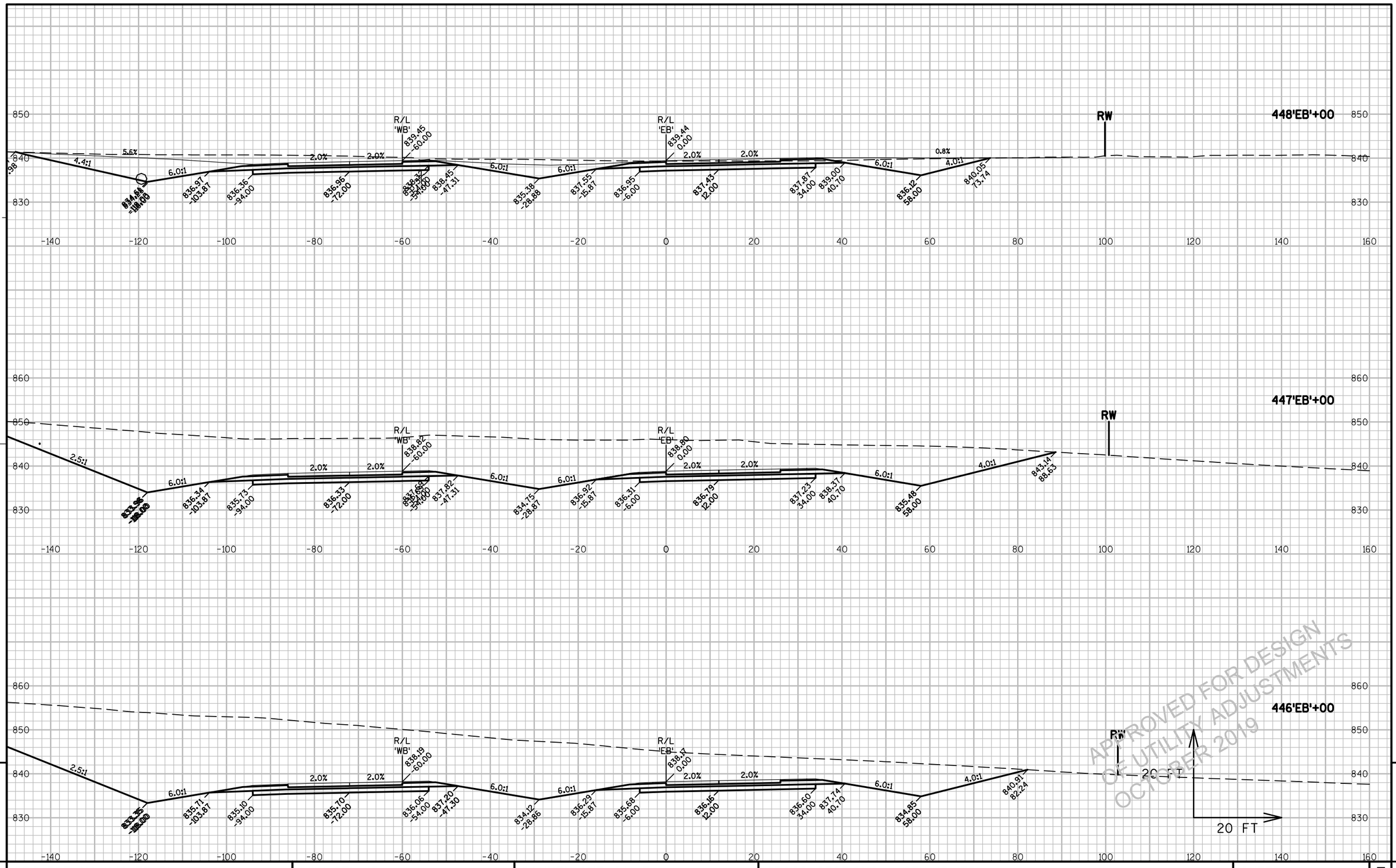
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OCTOBER 2019

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PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS - STH 15 'EB'	SHEET E

FILE NAME : N:\PDS\C3D\11467571\SHEETSPLAN\11467571\11467571_090201_XS_04_STH15.DWG
LAYOUT NAME - 090298_XS

PLOT DATE : 8/20/2019 8:34 AM PLOT BY : SIMMONS, MASON A PLOT NAME : PLOT SCALE : 1" = 20'_XREF

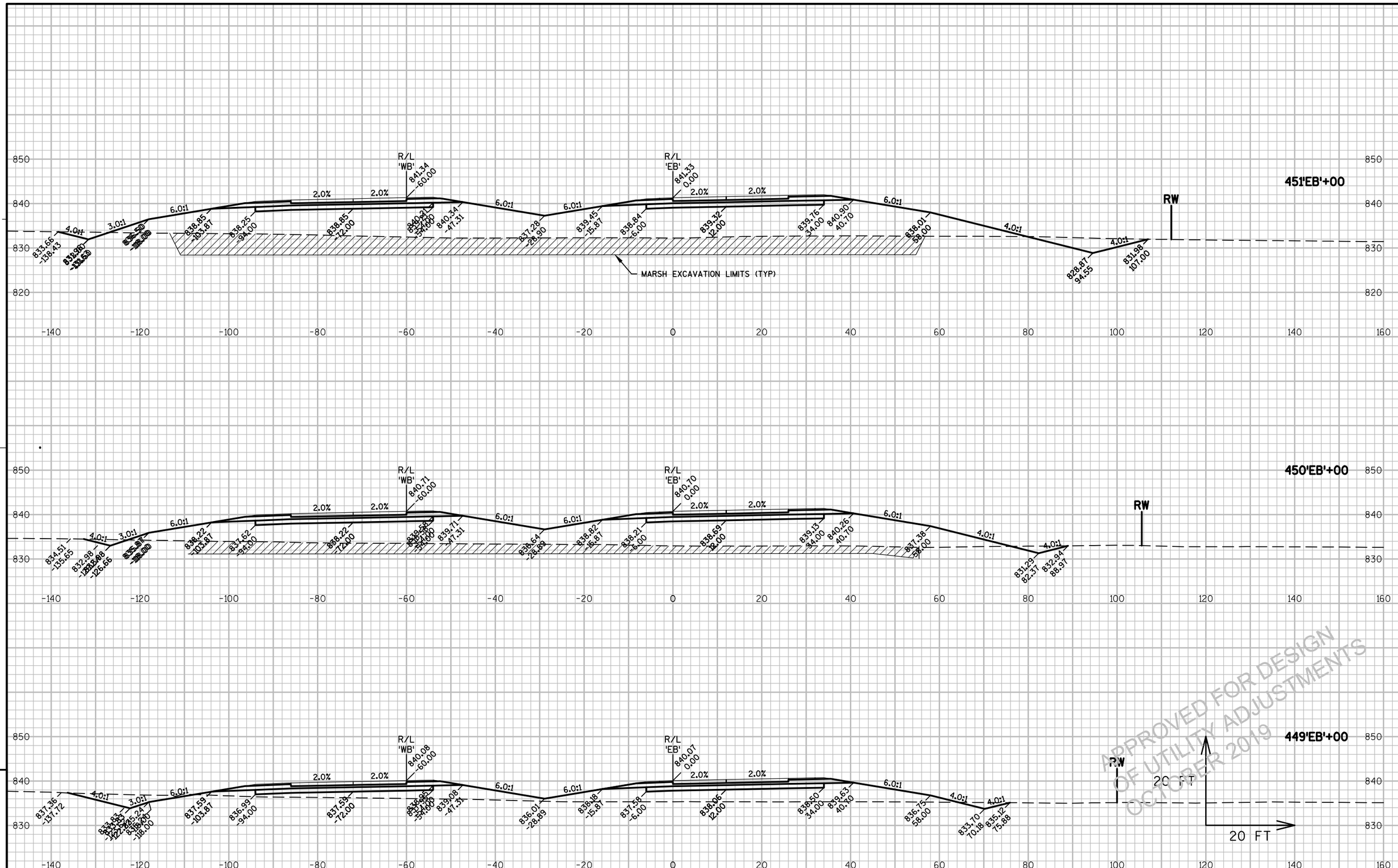


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OCTOBER 2019

9

PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS - STH 15 'EB'	SHEET E

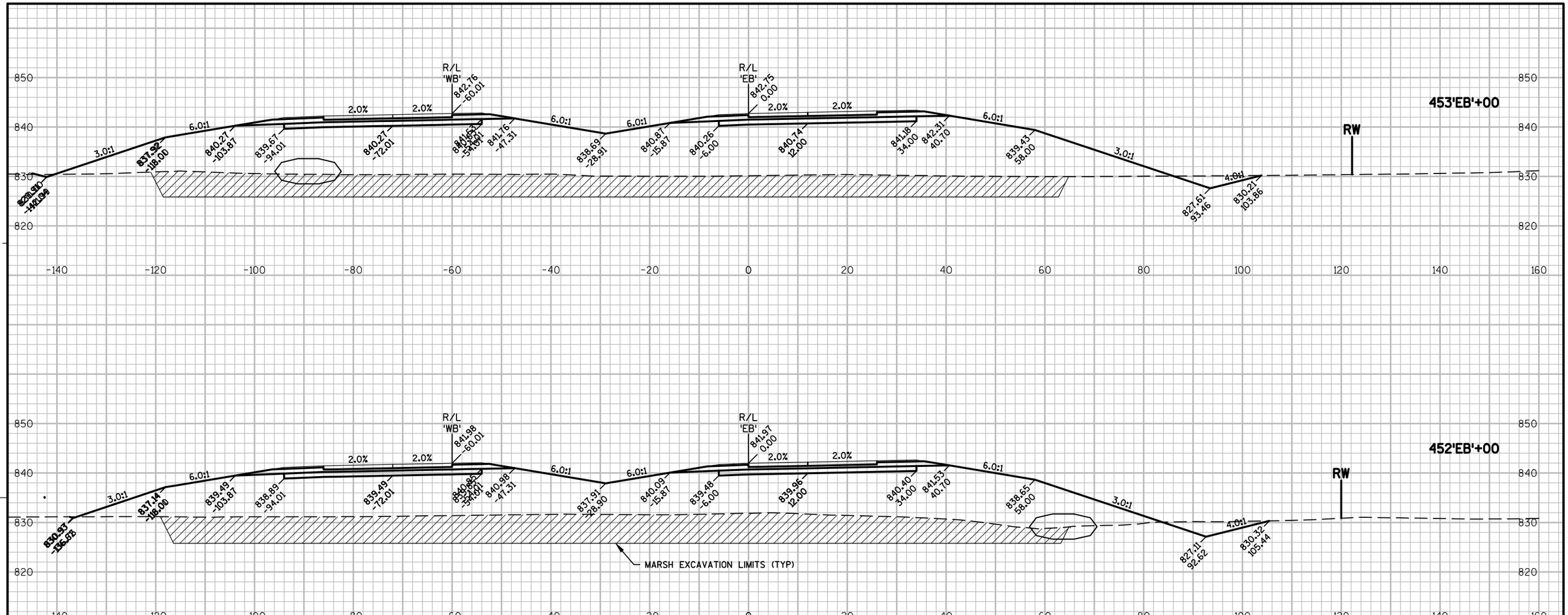
FILE NAME : N:\PDS\C3D\11467571\SHEETSPLAN\11467571\11467571_090201_XS_04_STH15.DWG
LAYOUT NAME - 090299_XS
PLOT DATE : 8/20/2019 8:34 AM PLOT BY : SIMMONS, MASON A PLOT NAME : PLOT SCALE : 1" = 20'_XREF
WISDOT/CADDS SHEET 49

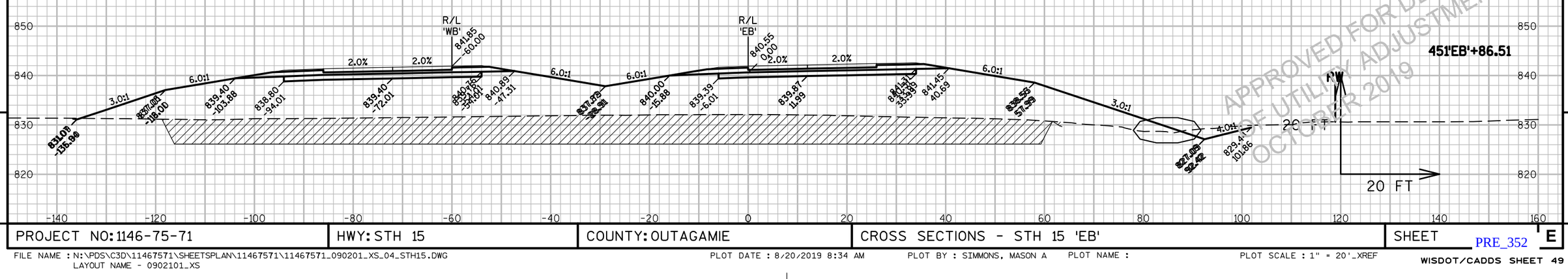


PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS - STH 15 'EB'	SHEET E

PRE_351

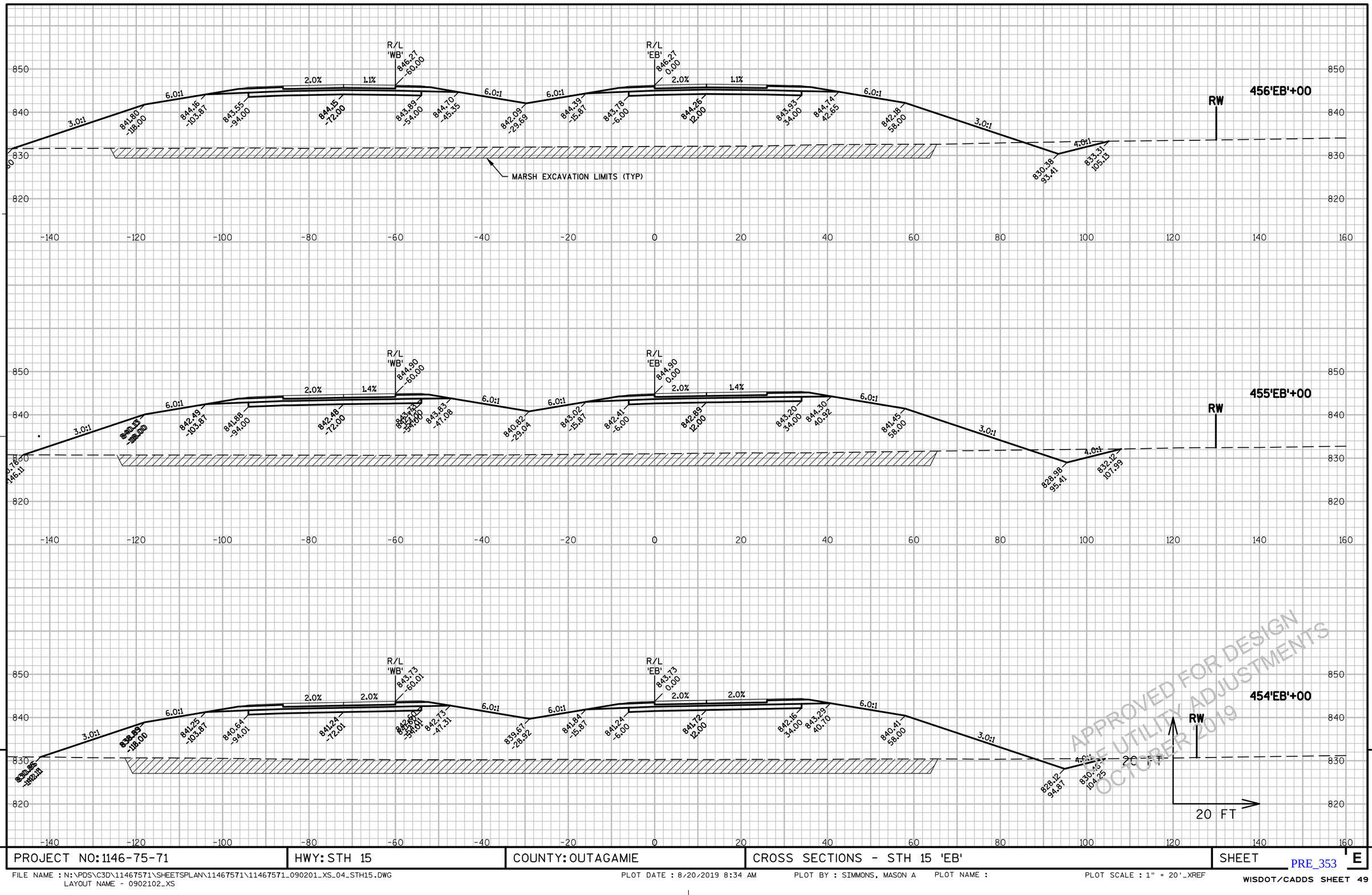
FILE NAME : N:\PDS\C3D\11467571\SHEETSPLAN\11467571\11467571_090201_XS_04_STH15.DWG
LAYOUT NAME - 0902100_XS
PLOT DATE : 8/20/2019 8:34 AM PLOT BY : SIMMONS, MASON A PLOT NAME : PLOT SCALE : 1" = 20'_XREF
WISDOT/CADDS SHEET 49





PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS - STH 15 'EB'	SHEET E

PRE_352



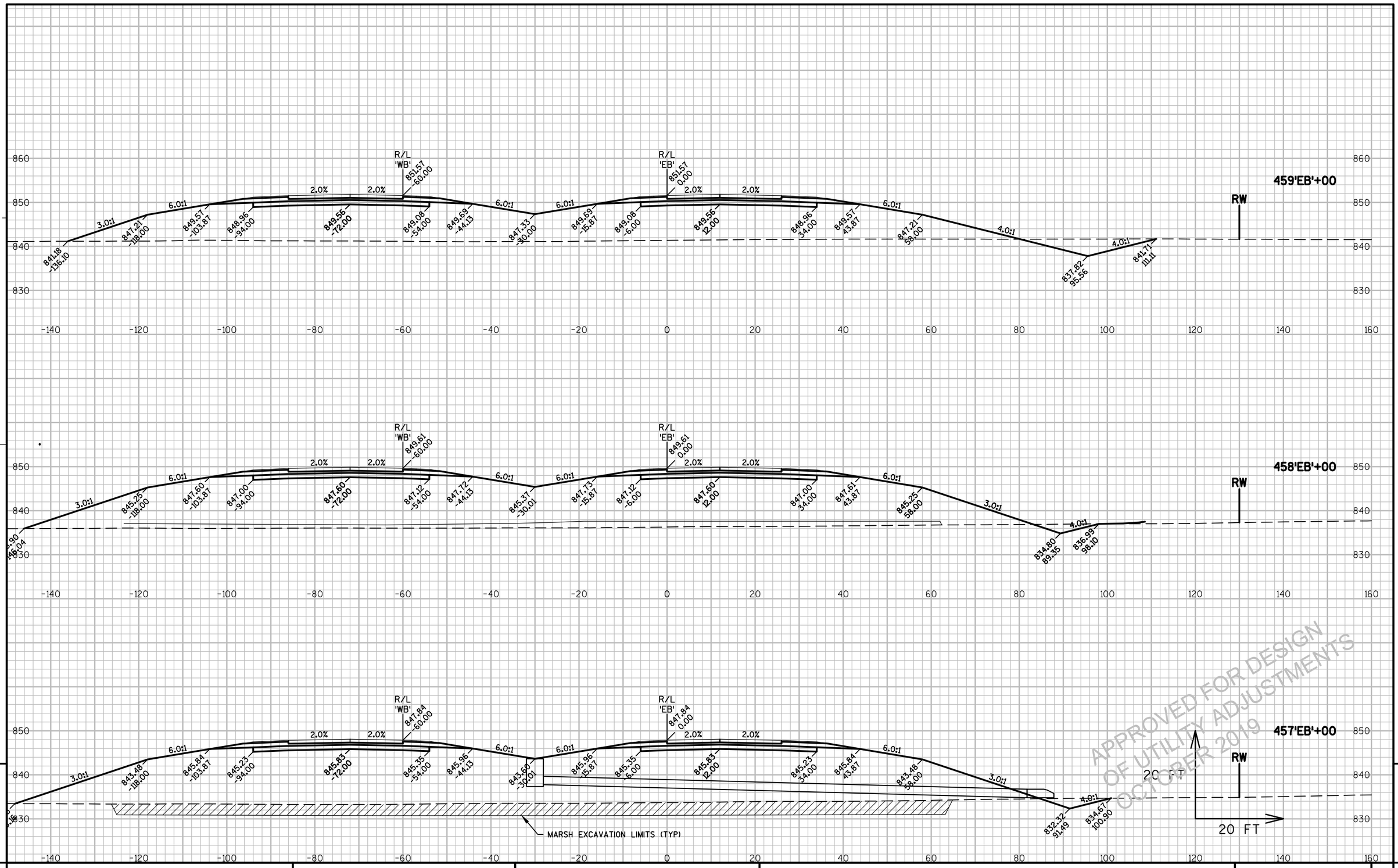
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PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS - STH 15 'EB'	SHEET E

PRE_353

FILE NAME : N:\PDS\C3D\11467571\SHEETSPLAN\11467571\11467571_090201_XS_04_STH15.DWG
LAYOUT NAME - 0902102_XS

PLOT DATE : 8/20/2019 8:34 AM PLOT BY : SIMMONS, MASON A PLOT NAME : PLOT SCALE : 1" = 20'_XREF



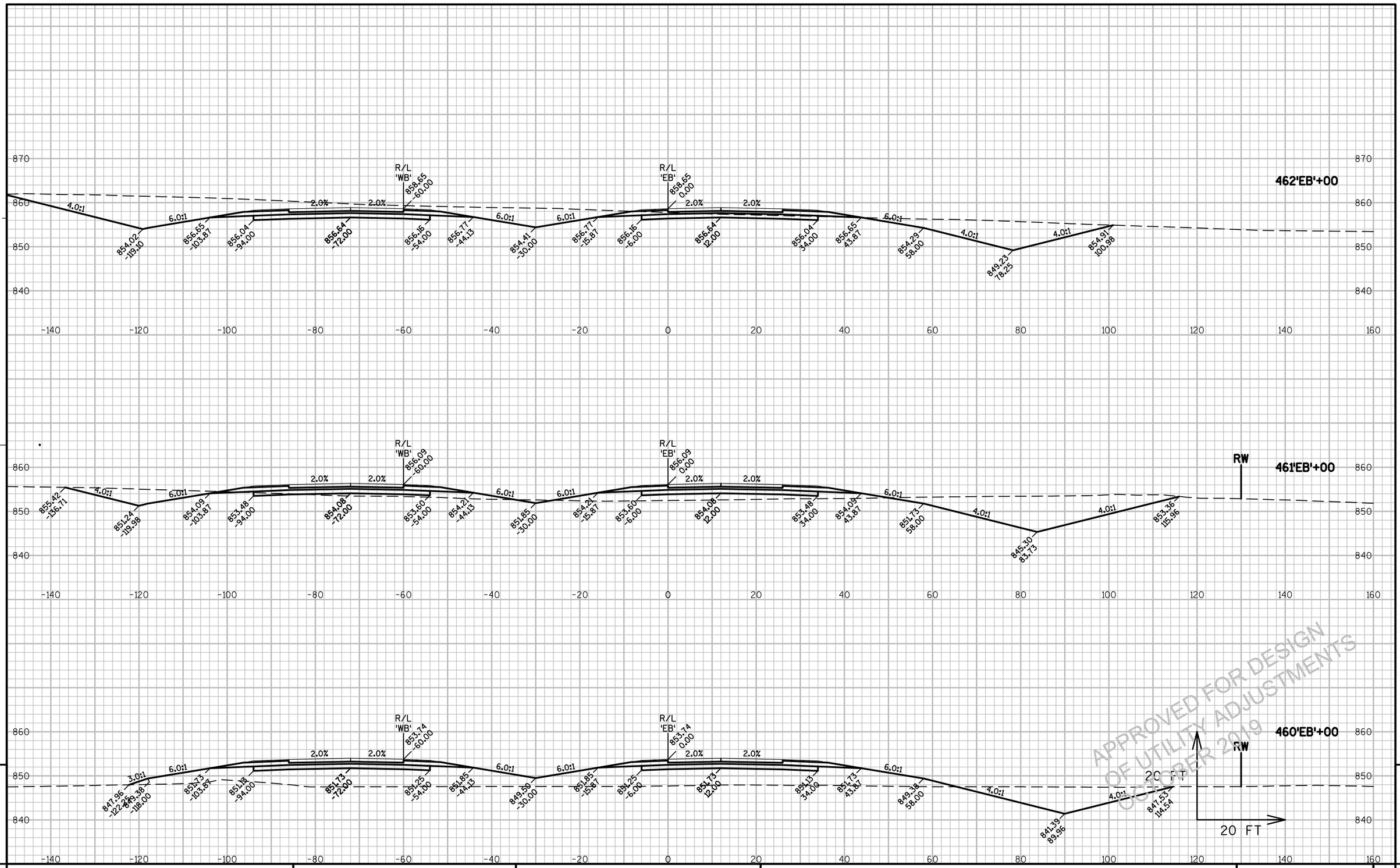
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PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS - STH 15 'EB'	SHEET E

PRE_354

FILE NAME : N:\PDS\C3D\11467571\SHEETSPLAN\11467571\11467571_090201_XS_04_STH15.DWG
LAYOUT NAME - 0902103_XS

PLOT DATE : 8/20/2019 8:34 AM PLOT BY : SIMMONS, MASON A PLOT NAME : PLOT SCALE : 1" = 20'_XREF

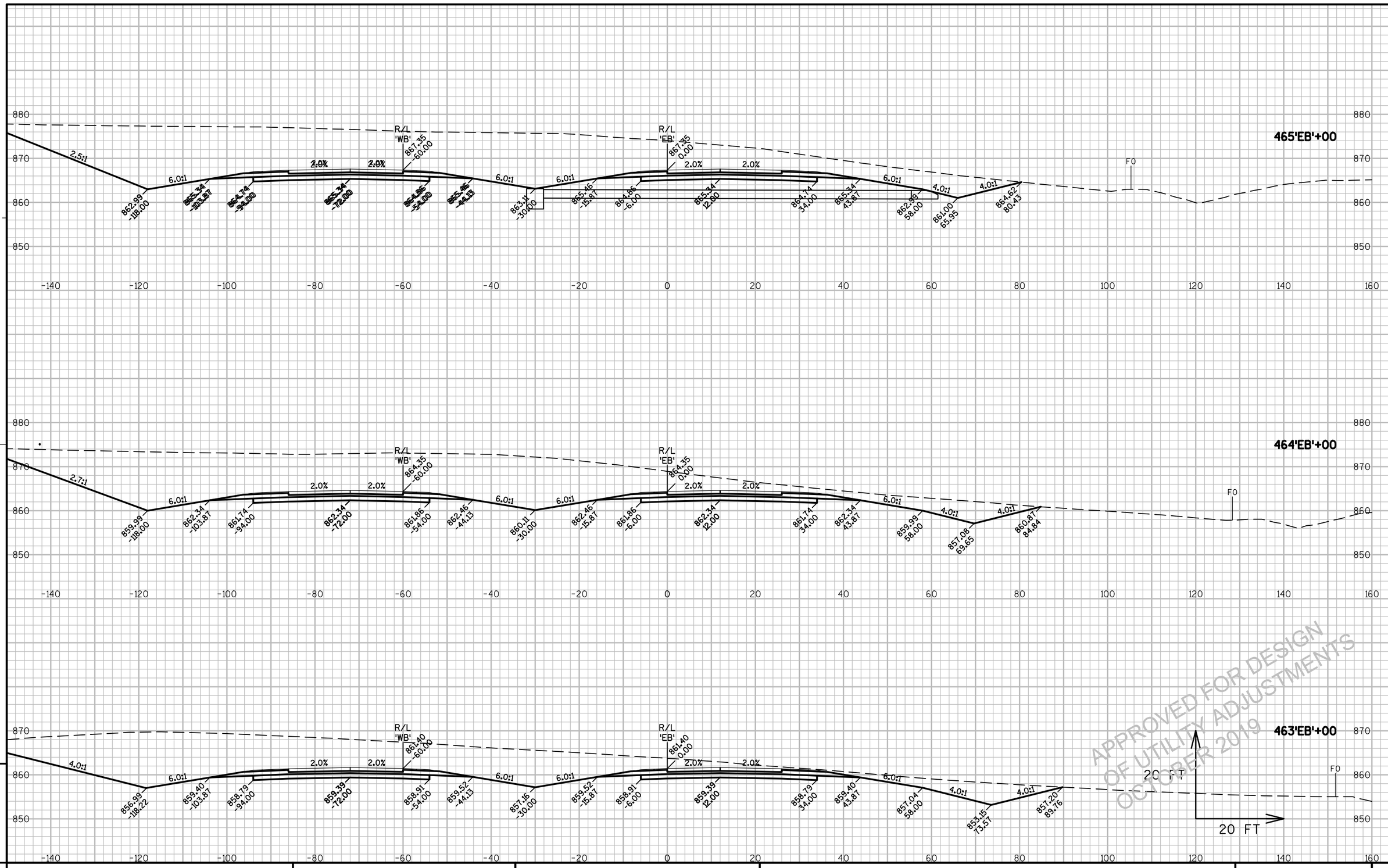


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OCTOBER 2019

PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS - STH 15 'EB'	SHEET E

FILE NAME : N:\PDS\C3D\11467571\SHEETSPLAN\11467571\11467571_090201_XS_04_STH15.DWG
LAYOUT NAME - 0902104_XS

PLOT DATE : 8/20/2019 8:35 AM PLOT BY : SIMMONS, MASON A PLOT NAME : PLOT SCALE : 1" = 20'_XREF



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OF UTILITY ADJUSTMENTS
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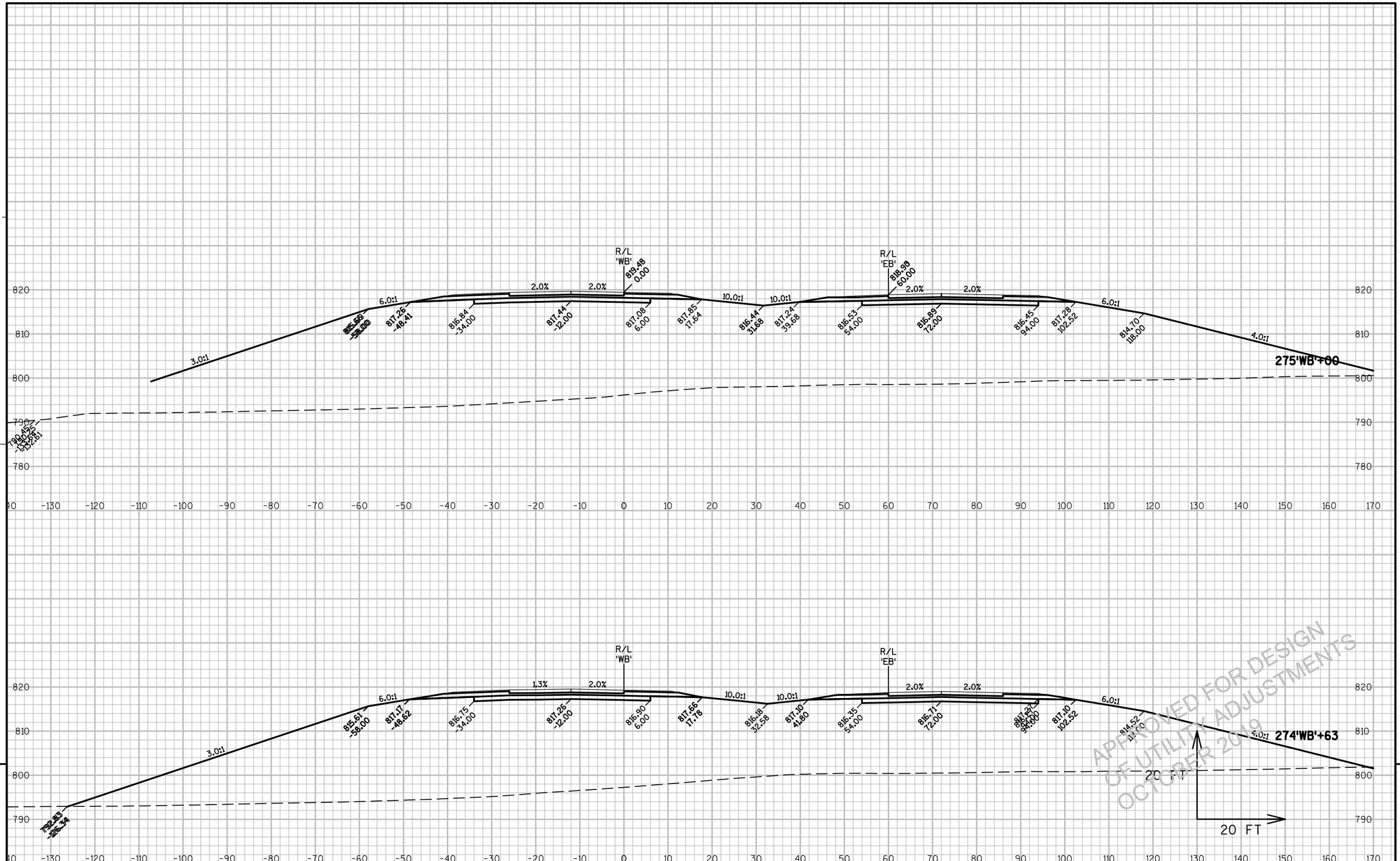
PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS - STH 15 'EB'	SHEET E

PRE_356

FILE NAME : N:\PDS\C3D\11467571\SHEETSPLAN\11467571\11467571_090201_XS_04_STH15.DWG
LAYOUT NAME - 0902105_XS

PLOT DATE : 8/20/2019 8:35 AM PLOT BY : SIMMONS, MASON A PLOT NAME : PLOT SCALE : 1" = 20'_XREF

WISDOT/CADDS SHEET 49



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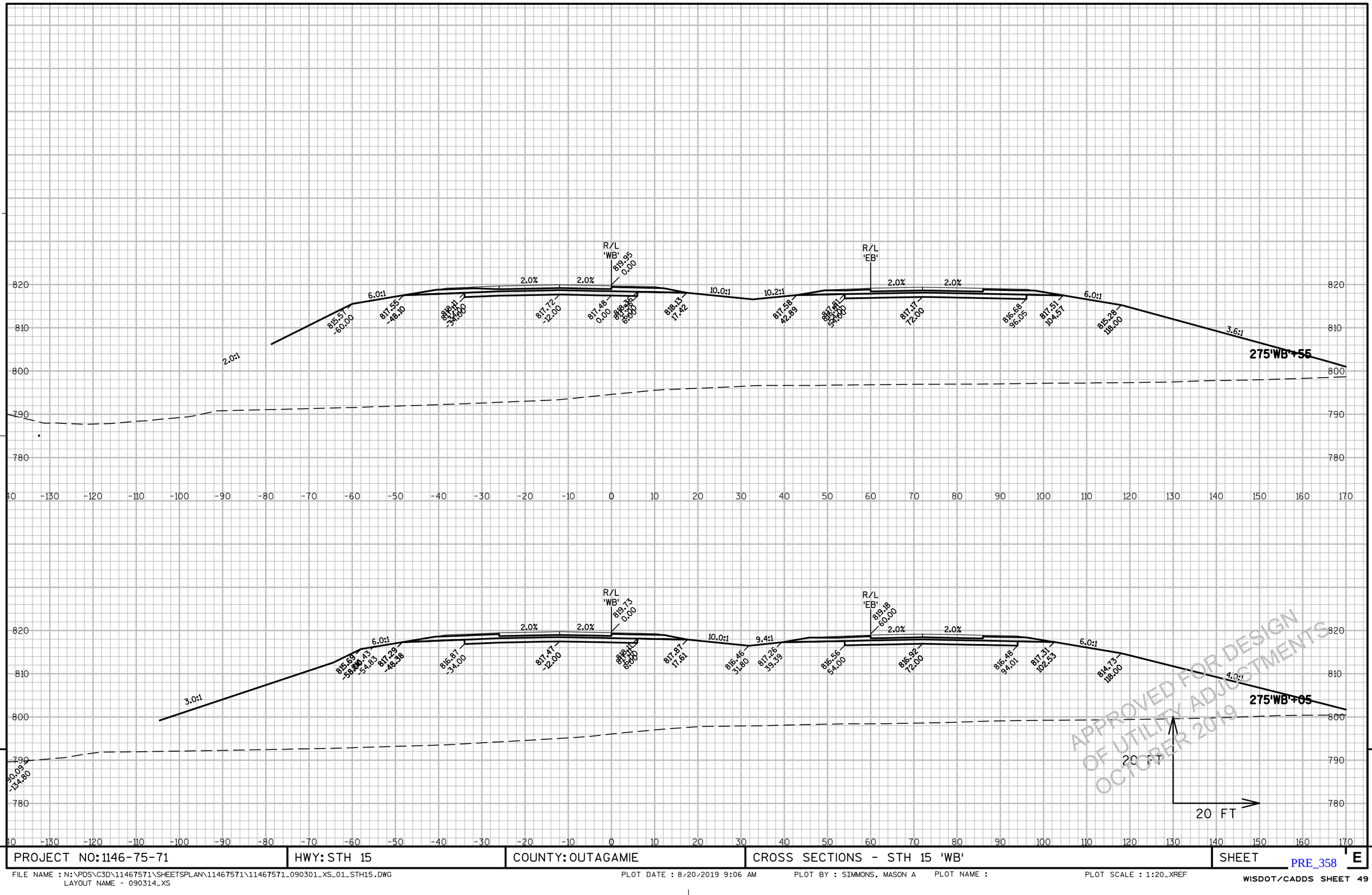
PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS - STH 15 'WB'	SHEET E

PRE_357

FILE NAME : N:\PDS\C3D\11467571\SHEETSPLAN\11467571\11467571_090301_XS_01_STH15.DWG
LAYOUT NAME - 090313_XS

PLOT DATE : 8/20/2019 9:06 AM PLOT BY : SIMMONS, MASON A PLOT NAME : PLOT SCALE : 1:20_XREF

WISDOT/CADDS SHEET 49



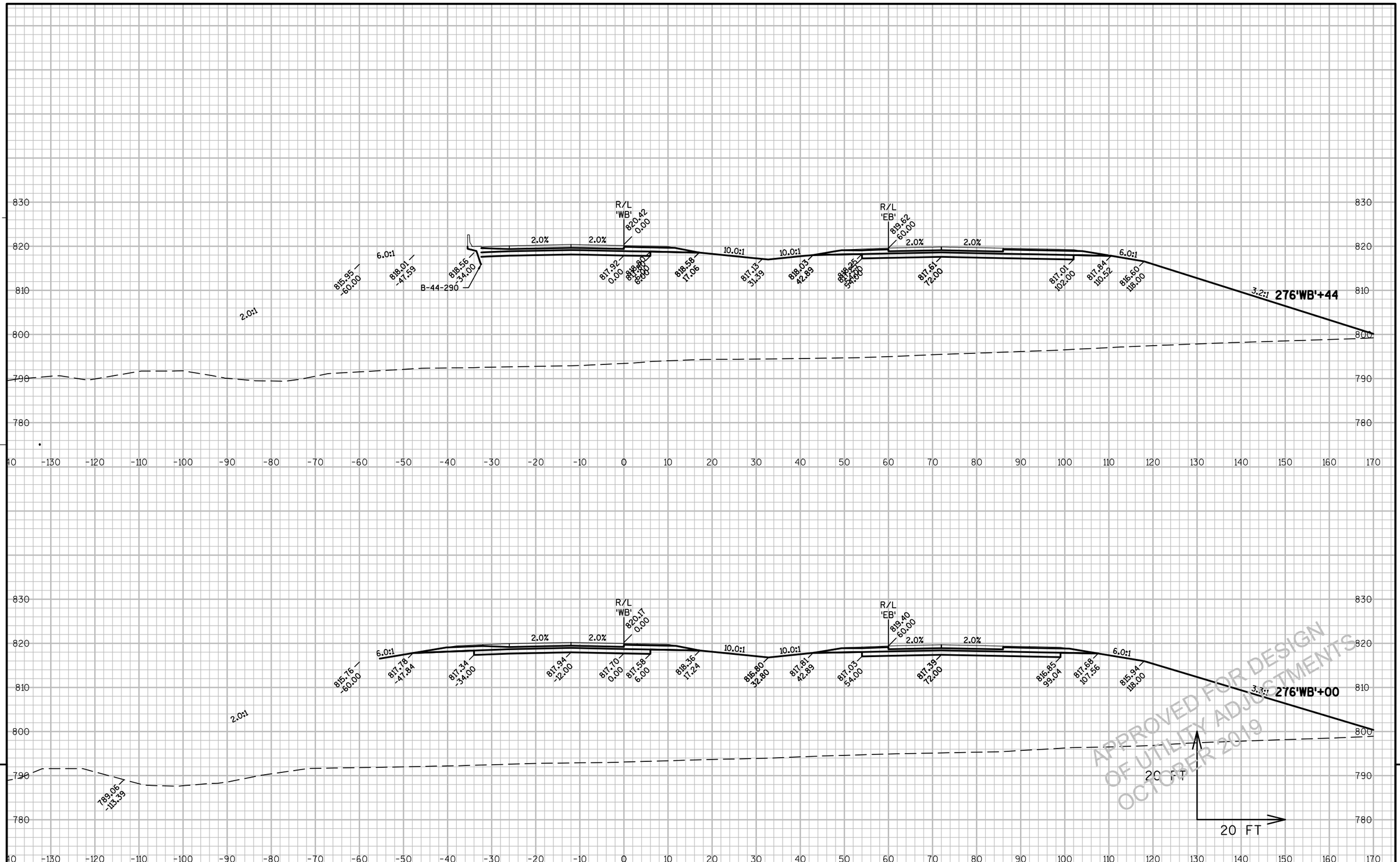
PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS - STH 15 'WB'	SHEET E

PRE_358

FILE NAME : N:\PDS\C3D\11467571\SHEETSPLAN\11467571\11467571_090301_XS_01_STH15.DWG
LAYOUT NAME - 090314_XS

PLOT DATE : 8/20/2019 9:06 AM PLOT BY : SIMMONS, MASON A PLOT NAME : PLOT SCALE : 1:20_XREF

WISDOT/CADDS SHEET 49



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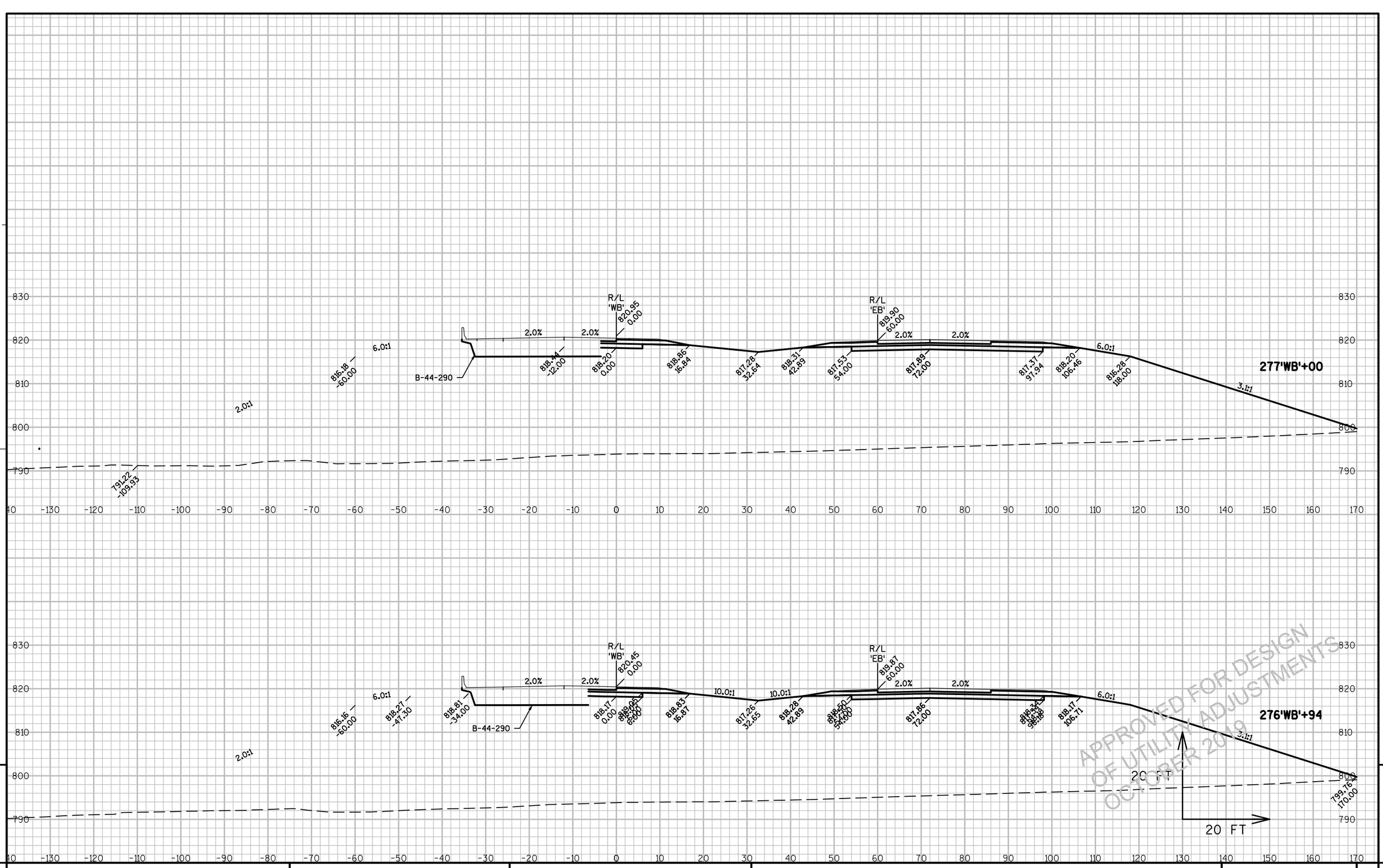
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PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS - STH 15 'WB'	SHEET E

PRE_359

FILE NAME : N:\PDS\C3D\11467571\SHEETSPLAN\11467571\11467571_090301_XS_01_STH15.DWG
LAYOUT NAME - 090315_XS

PLOT DATE : 8/20/2019 9:06 AM PLOT BY : SIMMONS, MASON A PLOT NAME : PLOT SCALE : 1:20_XREF



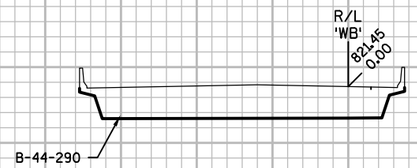
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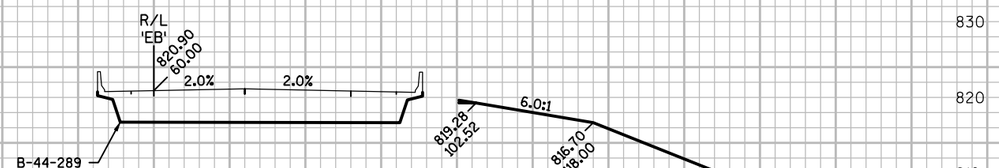
PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS - STH 15 'WB'	SHEET E

PRE_360

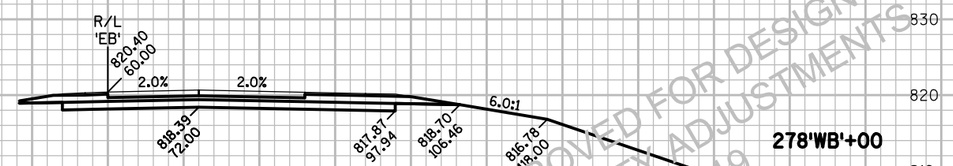
FILE NAME : N:\PDS\C3D\11467571\SHEETSPLAN\11467571\11467571_090301_XS_01_STH15.DWG
LAYOUT NAME - 090316_XS

PLOT DATE : 8/20/2019 9:06 AM PLOT BY : SIMMONS, MASON A PLOT NAME : PLOT SCALE : 1:20_XREF









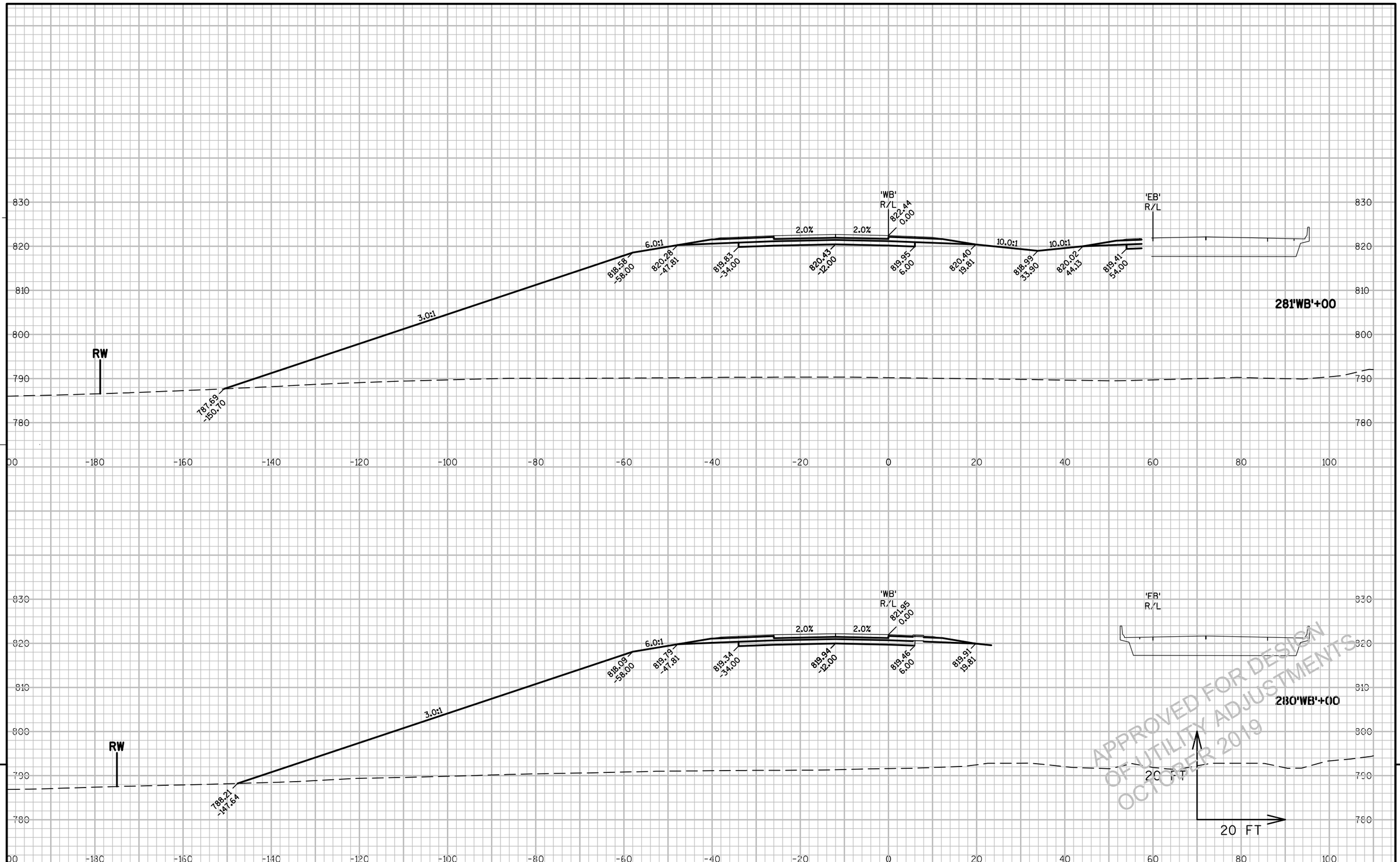
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PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS - STH 15 'WB'	SHEET E

PRE_361

FILE NAME : N:\PDS\C3D\11467571\SHEETSPLAN\11467571\11467571_090301_XS_01_STH15.DWG
LAYOUT NAME - 090317_XS

PLOT DATE : 8/20/2019 9:07 AM PLOT BY : SIMMONS, MASON A PLOT NAME : PLOT SCALE : 1:20_XREF



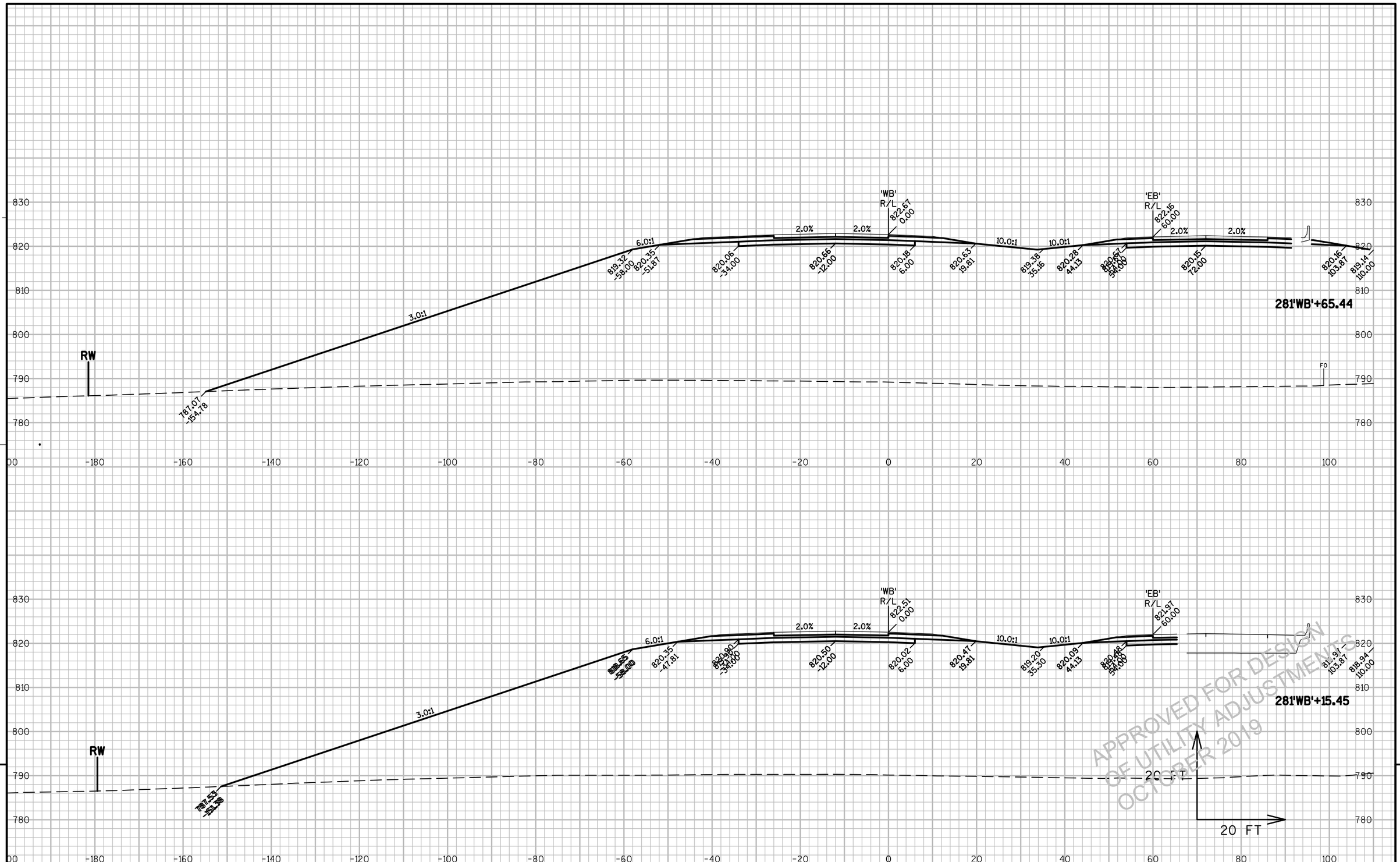
PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS - STH 15 'WB'	SHEET E

PRE_362

FILE NAME : N:\PDS\C3D\11467571\SHEETSPLAN\11467571\11467571_090301_XS_02_STH15.DWG
LAYOUT NAME - 090318_XS

PLOT DATE : 6/12/2019 11:59 AM PLOT BY : SIMMONS, MASON A PLOT NAME : PLOT SCALE : 1:20_XREF

WISDOT/CADDS SHEET 49

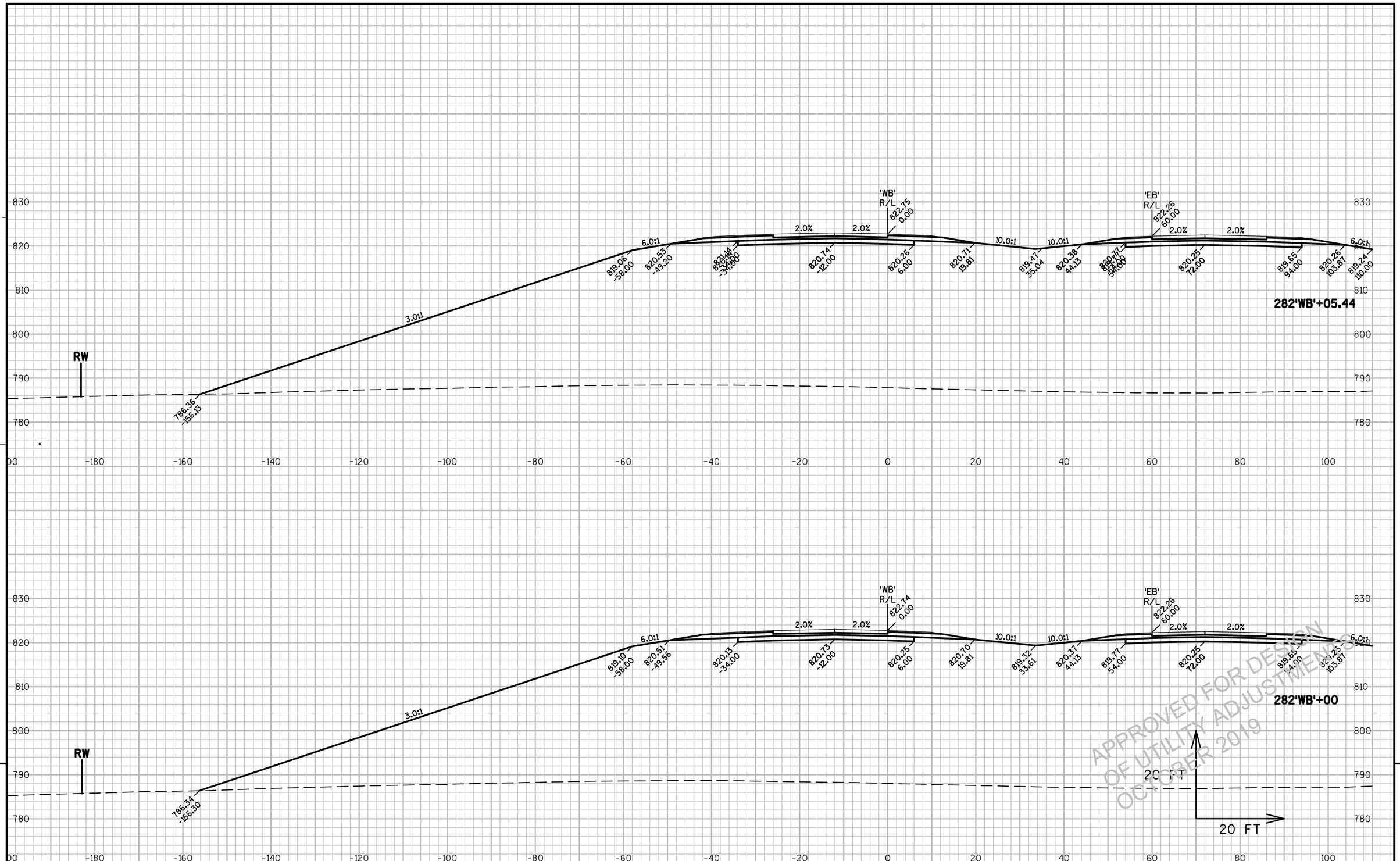


PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS - STH 15 'WB'	SHEET E

PRE_363

FILE NAME : N:\PDS\C3D\11467571\SHEETSPLAN\11467571\11467571_090301_XS_02_STH15.DWG
LAYOUT NAME - 090319_XS

PLOT DATE : 6/12/2019 11:59 AM PLOT BY : SIMMONS, MASON A PLOT NAME : PLOT SCALE : 1:20_XREF



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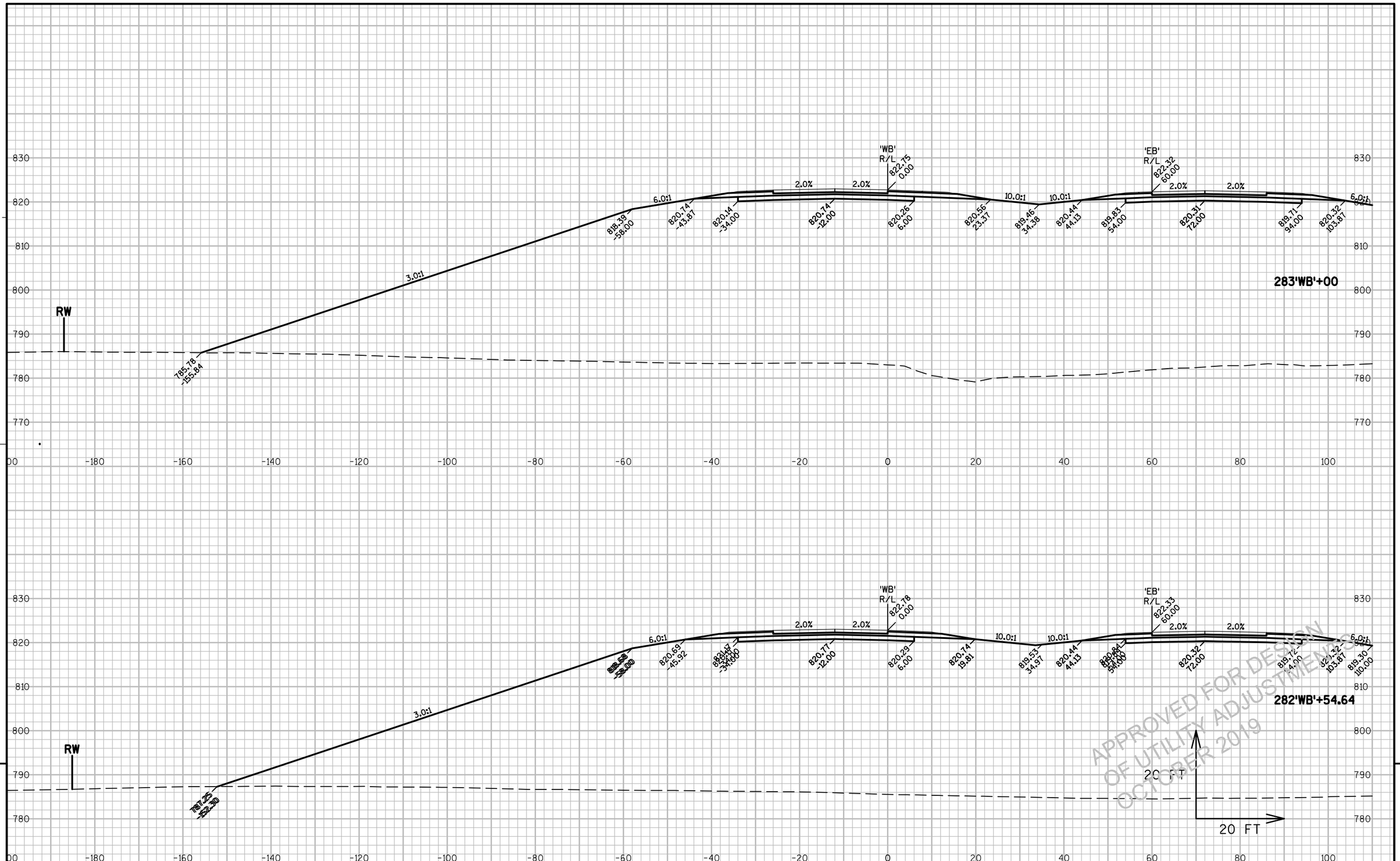
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PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS - STH 15 'WB'	SHEET E

PRE_364

FILE NAME : N:\PDS\C3D\11467571\SHEETSPLAN\11467571\11467571_090301_XS_02_STH15.DWG
LAYOUT NAME - 090320_XS

PLOT DATE : 6/12/2019 11:59 AM PLOT BY : SIMMONS, MASON A PLOT NAME : PLOT SCALE : 1:20_XREF

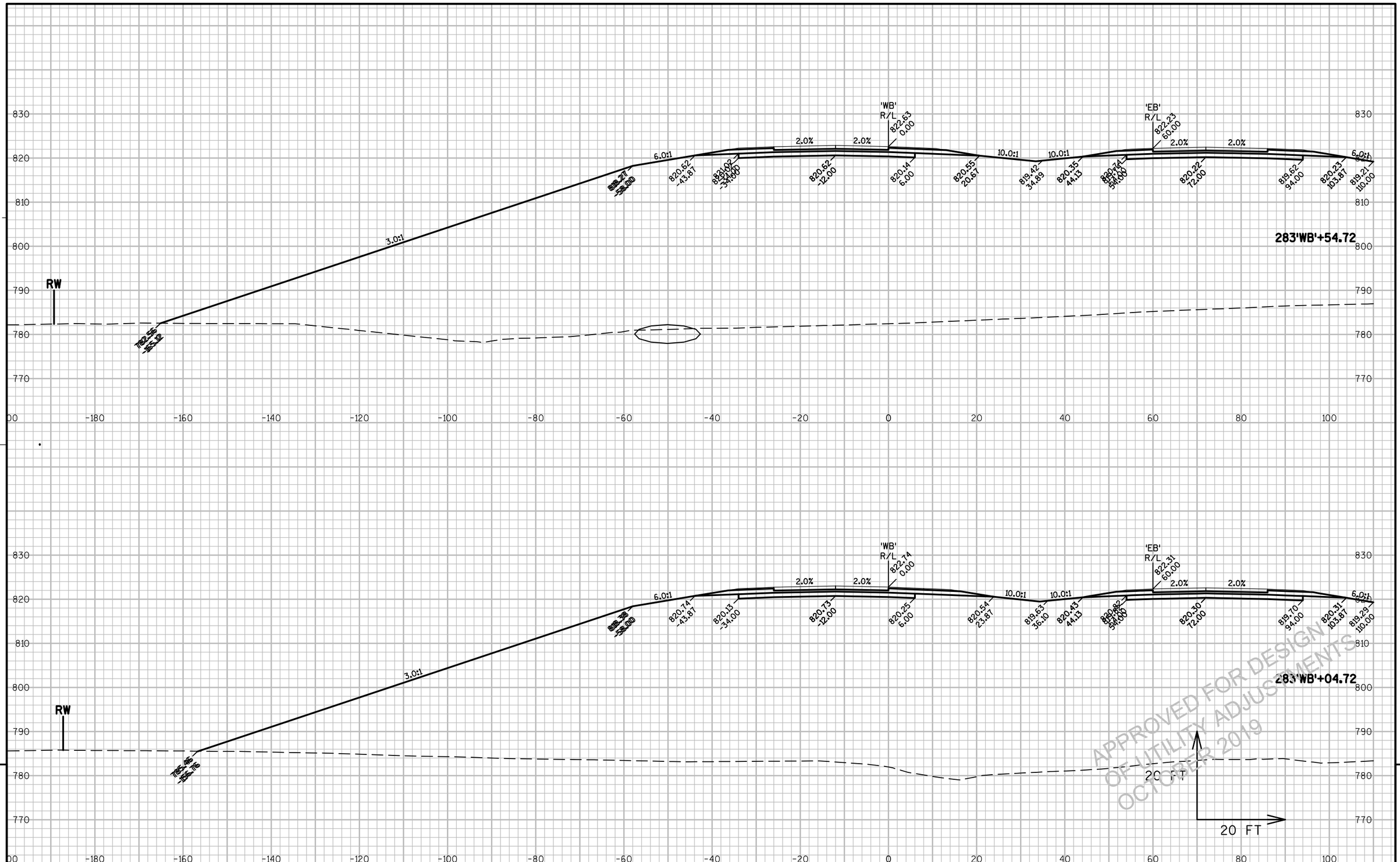


PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS - STH 15 'WB'	SHEET E

PRE_365

FILE NAME : N:\PDS\C3D\11467571\SHEETSPLAN\11467571\11467571_090301_XS_02_STH15.DWG
LAYOUT NAME - 090321_XS

PLOT DATE : 6/12/2019 11:59 AM PLOT BY : SIMMONS, MASON A PLOT NAME : PLOT SCALE : 1:20_XREF



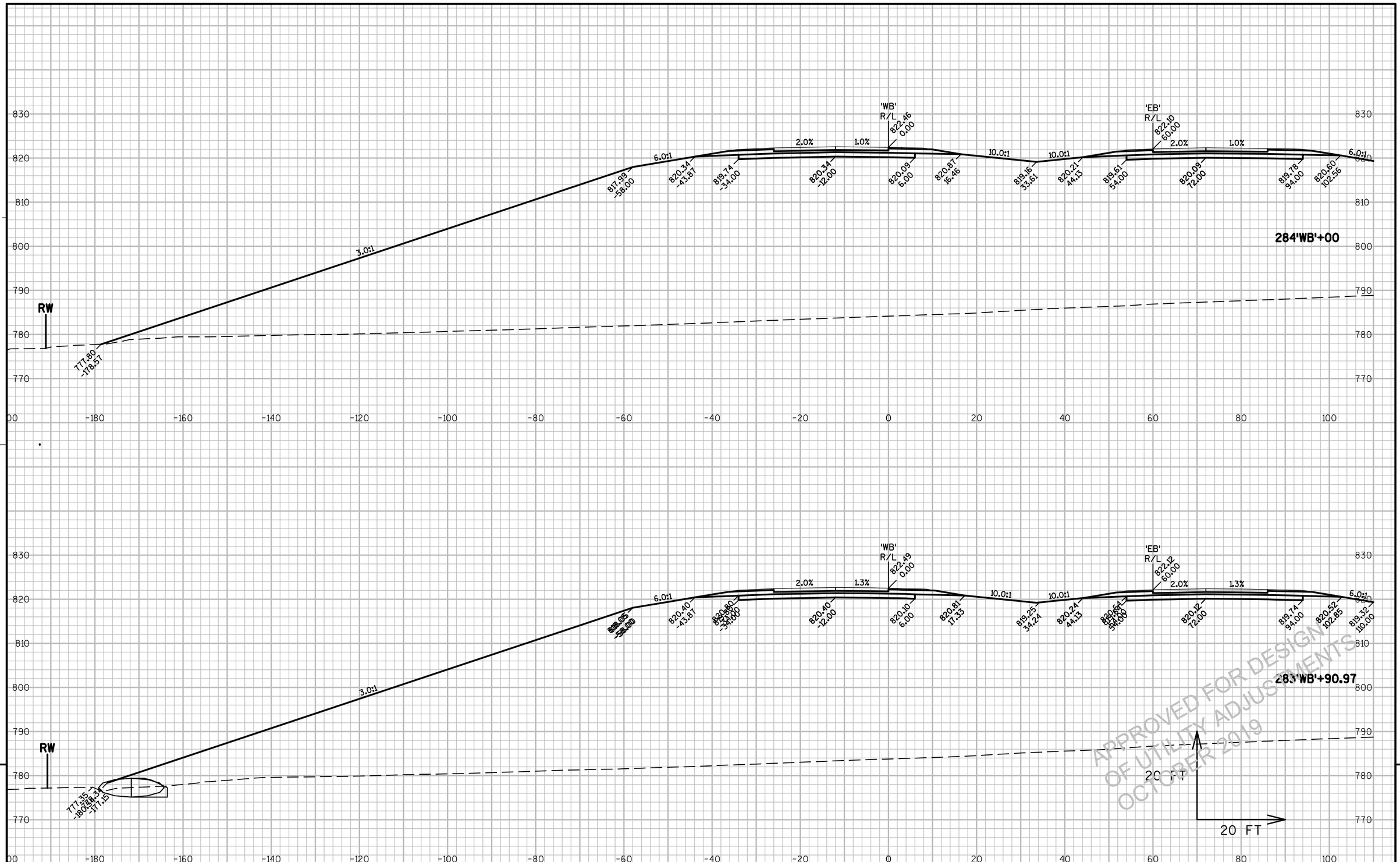
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OCTOBER 2019

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PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS - STH 15 'WB'	SHEET E

FILE NAME : N:\PDS\C3D\11467571\SHEETSPLAN\11467571\11467571_090301_XS_02_STH15.DWG
LAYOUT NAME - 090322_XS

PLOT DATE : 6/12/2019 11:59 AM PLOT BY : SIMMONS, MASON A PLOT NAME : PLOT SCALE : 1:20_XREF



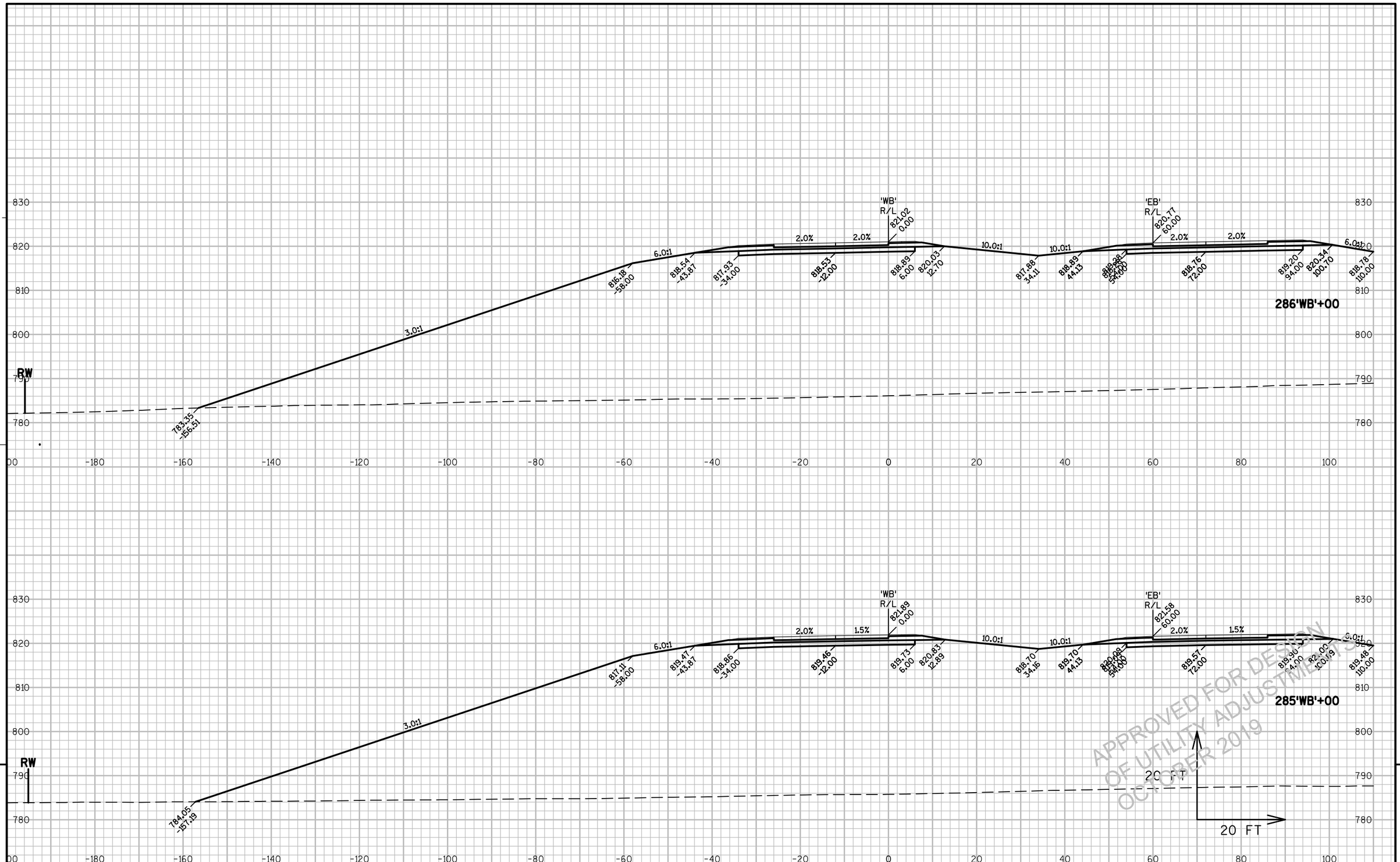
APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS
OCTOBER 2019

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PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS - STH 15 'WB'	SHEET E

FILE NAME : N:\PDS\C3D\11467571\SHEETSPLAN\11467571\11467571_090301_XS_02_STH15.DWG
LAYOUT NAME - 090323_XS

PLOT DATE : 6/12/2019 12:00 PM PLOT BY : SIMMONS, MASON A PLOT NAME : PLOT SCALE : 1:20_XREF



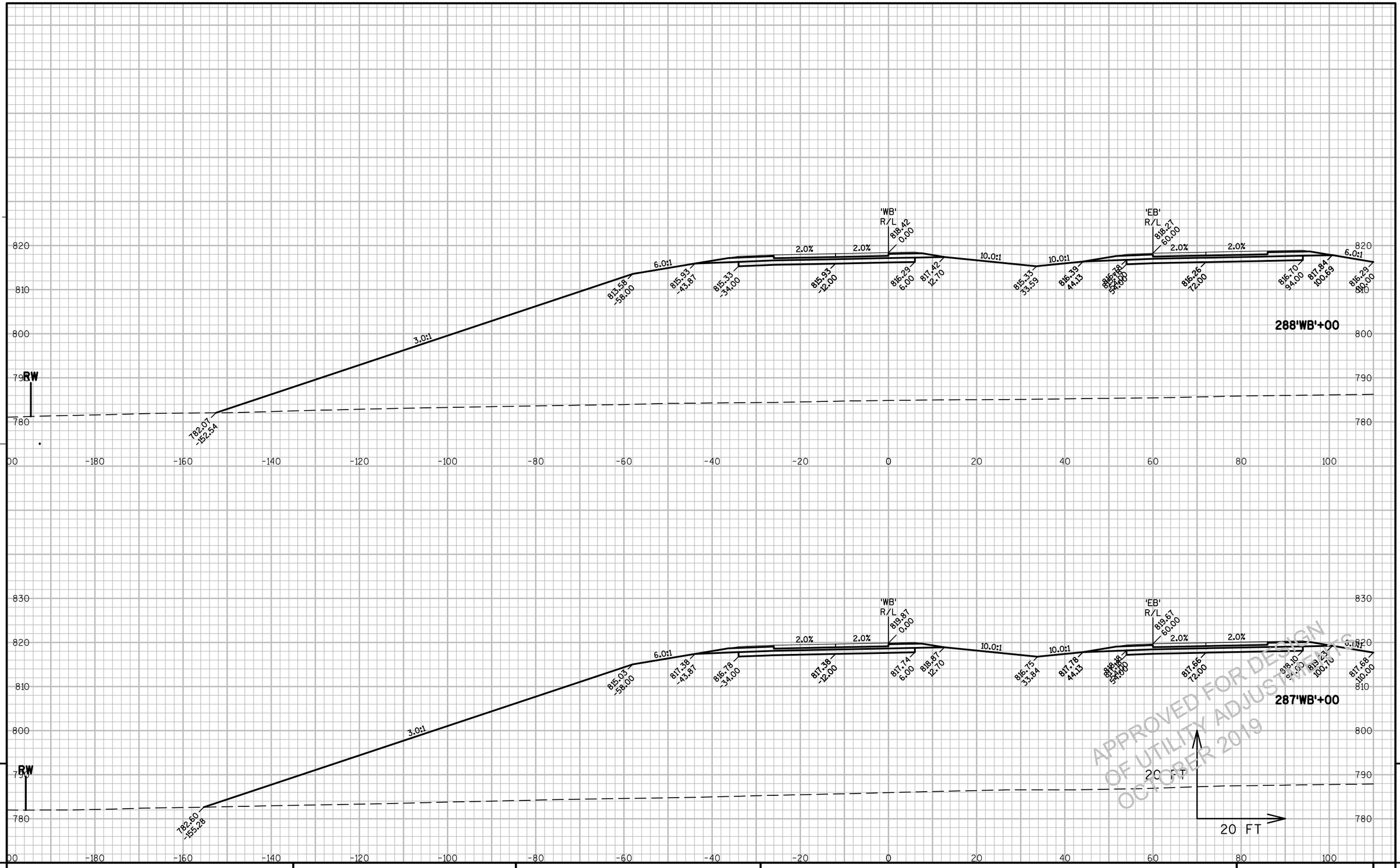
PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS - STH 15 'WB'	SHEET E

PRE_368

FILE NAME : N:\PDS\C3D\11467571\SHEETSPLAN\11467571\11467571_090301_XS_02_STH15.DWG
LAYOUT NAME - 090324_XS

PLOT DATE : 6/12/2019 12:00 PM PLOT BY : SIMMONS, MASON A PLOT NAME : PLOT SCALE : 1:20_XREF

WISDOT/CADDS SHEET 49



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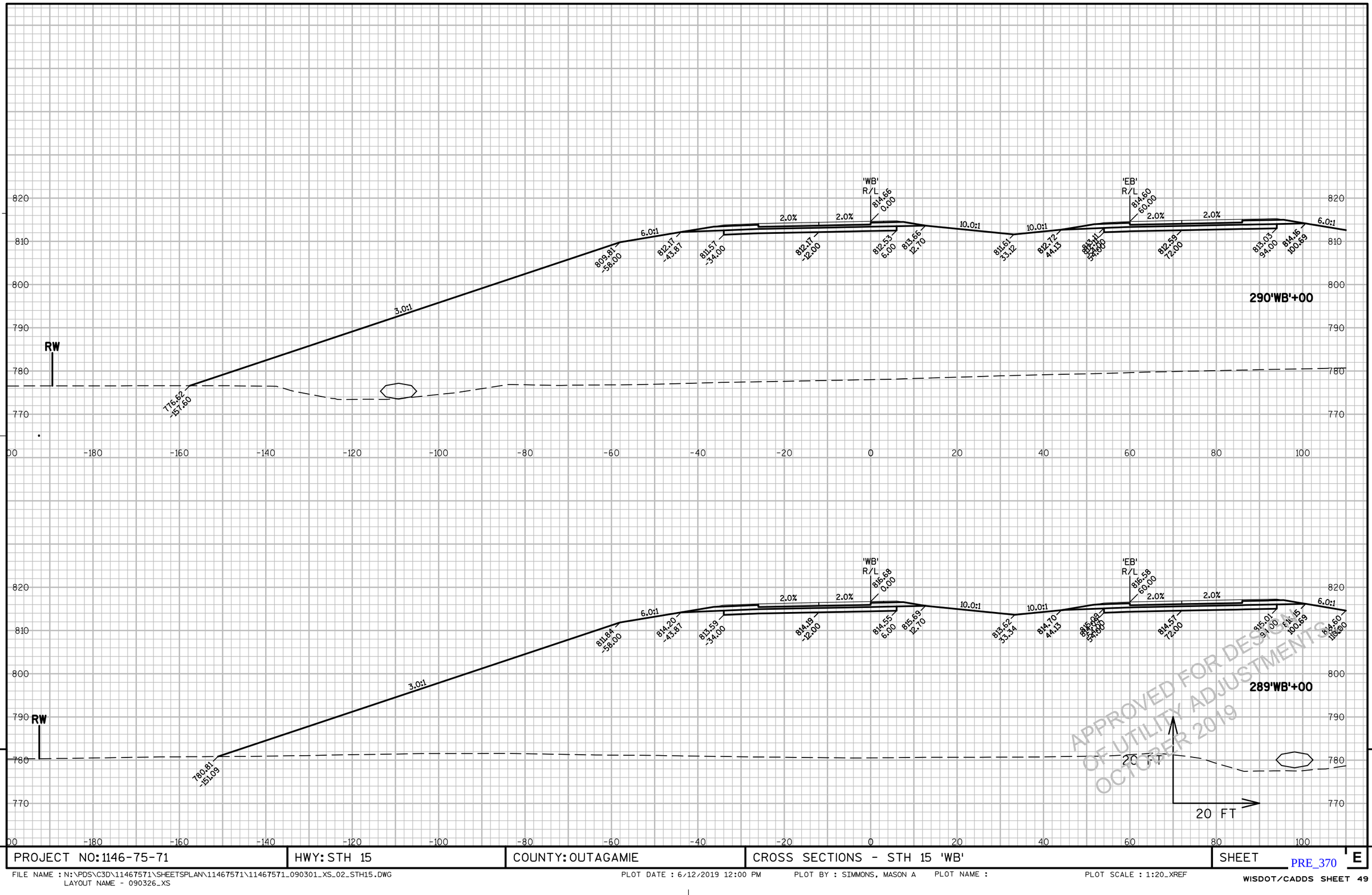
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PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS - STH 15 'WB'	SHEET E

PRE_369

FILE NAME : N:\PDS\C3D\11467571\SHEETSPLAN\11467571\11467571_090301_XS_02_STH15.DWG
LAYOUT NAME - 090325_XS

PLOT DATE : 6/12/2019 12:00 PM PLOT BY : SIMMONS, MASON A PLOT NAME : PLOT SCALE : 1:20_XREF



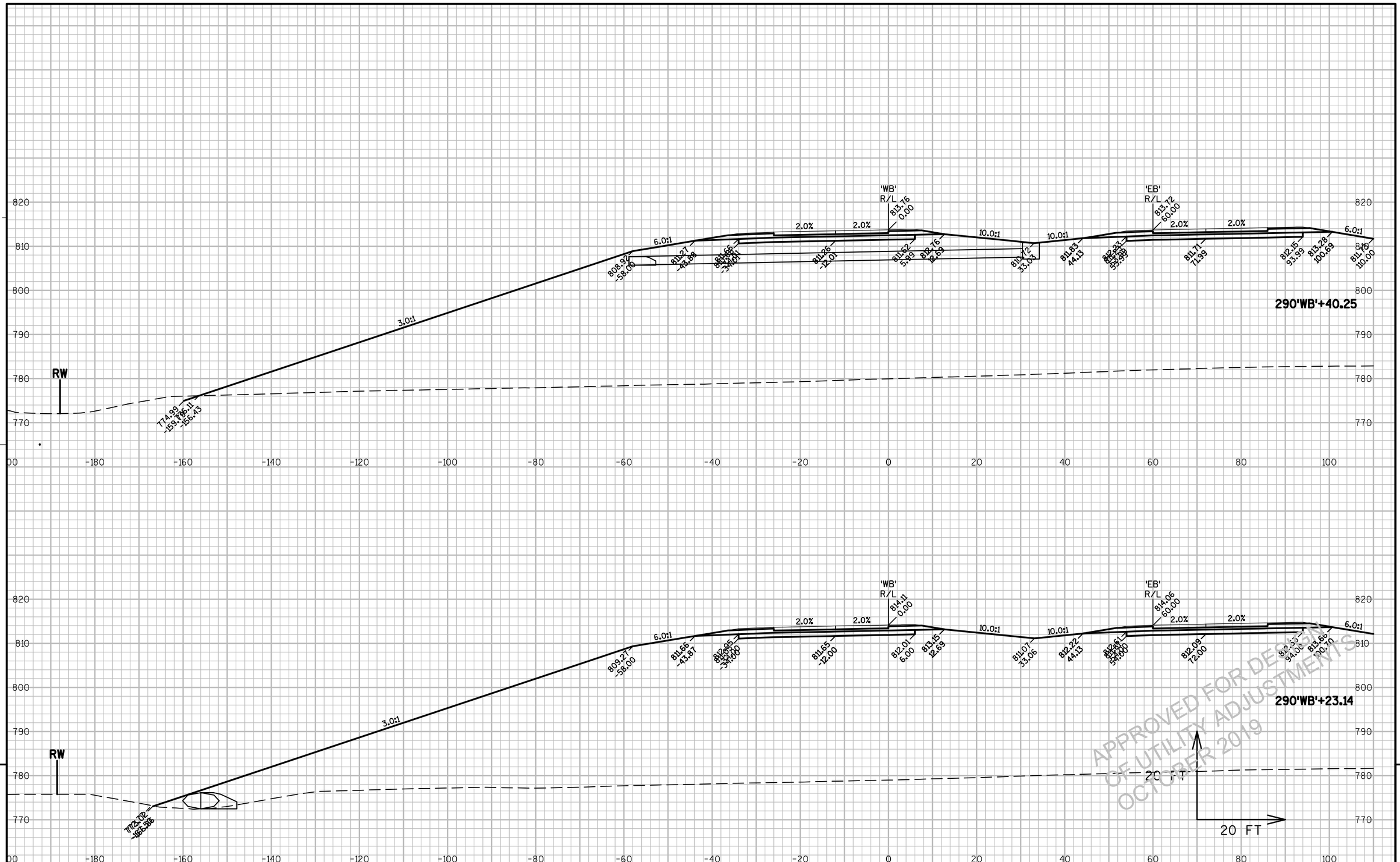
PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS - STH 15 'WB'	SHEET E

PRE_370

FILE NAME : N:\PDS\C3D\11467571\SHEETSPLAN\11467571\11467571_090301_XS_02_STH15.DWG
LAYOUT NAME - 090326_XS

PLOT DATE : 6/12/2019 12:00 PM PLOT BY : SIMMONS, MASON A PLOT NAME : PLOT SCALE : 1:20_XREF

WISDOT/CADDS SHEET 49



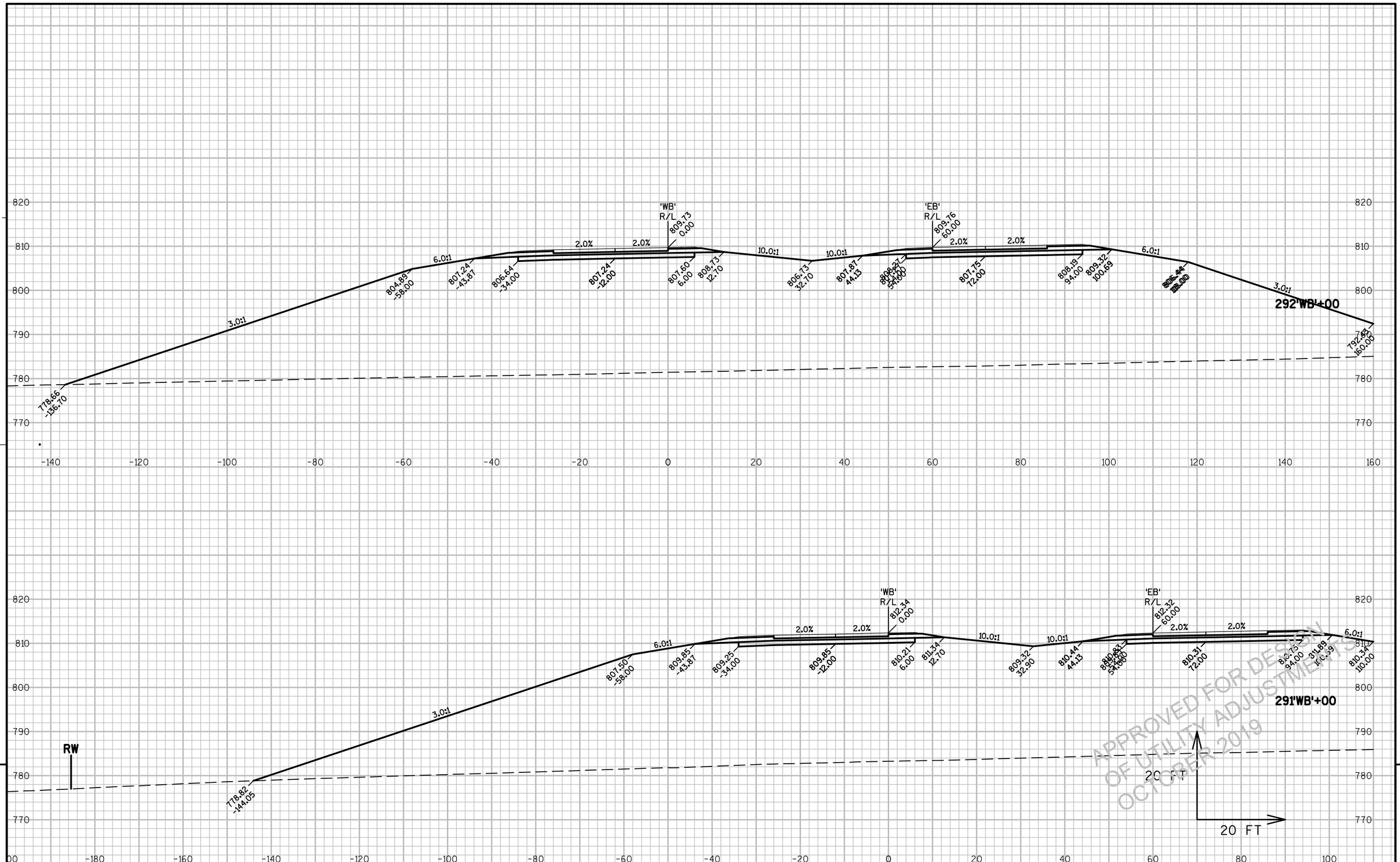
PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS - STH 15 'WB'	SHEET E

PRE_371

FILE NAME : N:\PDS\C3D\11467571\SHEETSPLAN\11467571\11467571_090301_XS_02_STH15.DWG
LAYOUT NAME - 090327_XS

PLOT DATE : 6/12/2019 12:00 PM PLOT BY : SIMMONS, MASON A PLOT NAME : PLOT SCALE : 1:20_XREF

WISDOT/CADDS SHEET 49



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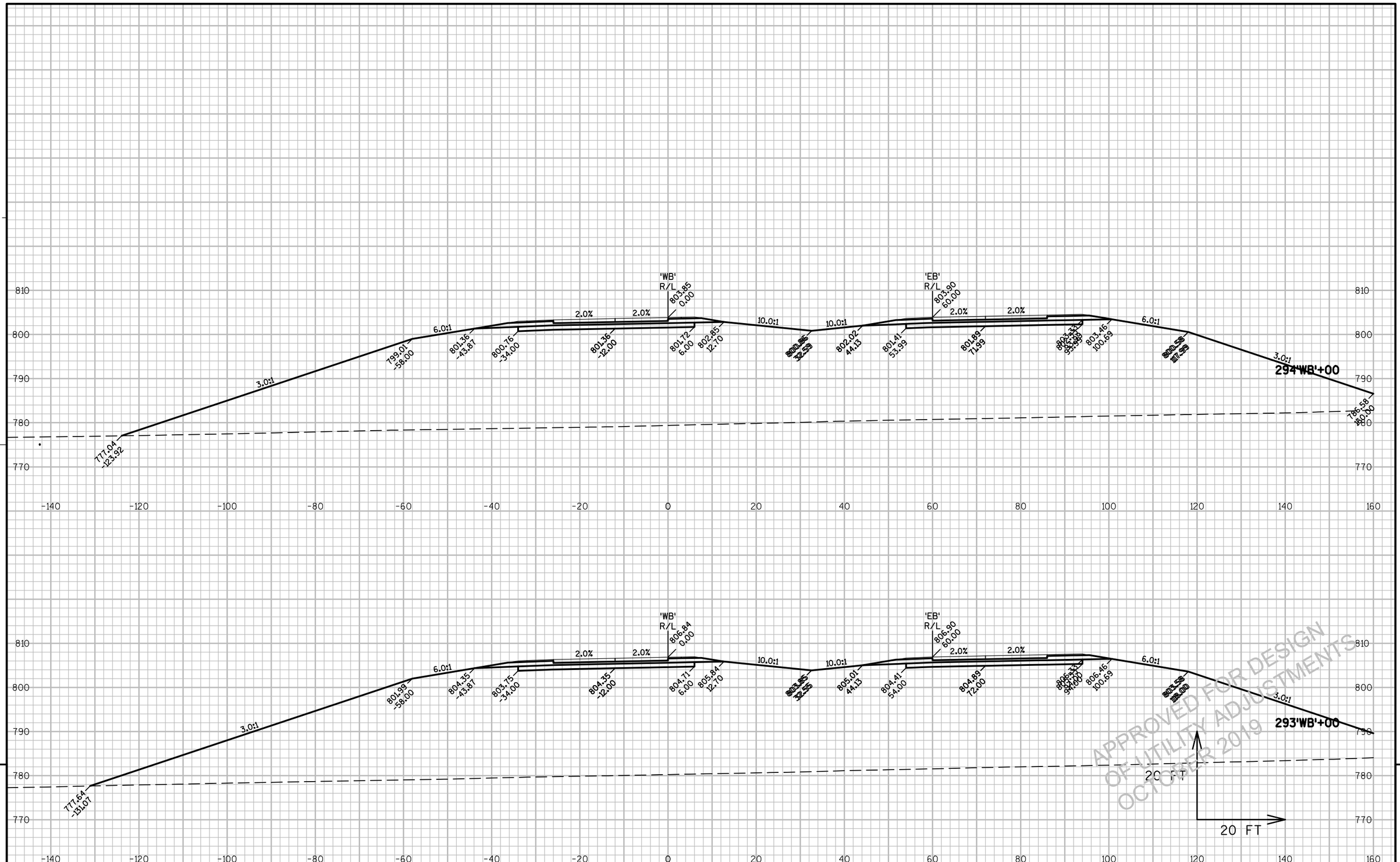
PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS - STH 15 'WB'	SHEET E

PRE_372

FILE NAME : N:\PDS\C3D\11467571\SHEETSPLAN\11467571\11467571_090301_XS_02_STH15.DWG
LAYOUT NAME - 090328_XS

PLOT DATE : 6/12/2019 12:00 PM PLOT BY : SIMMONS, MASON A PLOT NAME : PLOT SCALE : 1:20_XREF

WISDOT/CADDS SHEET 49



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OCTOBER 2019

9

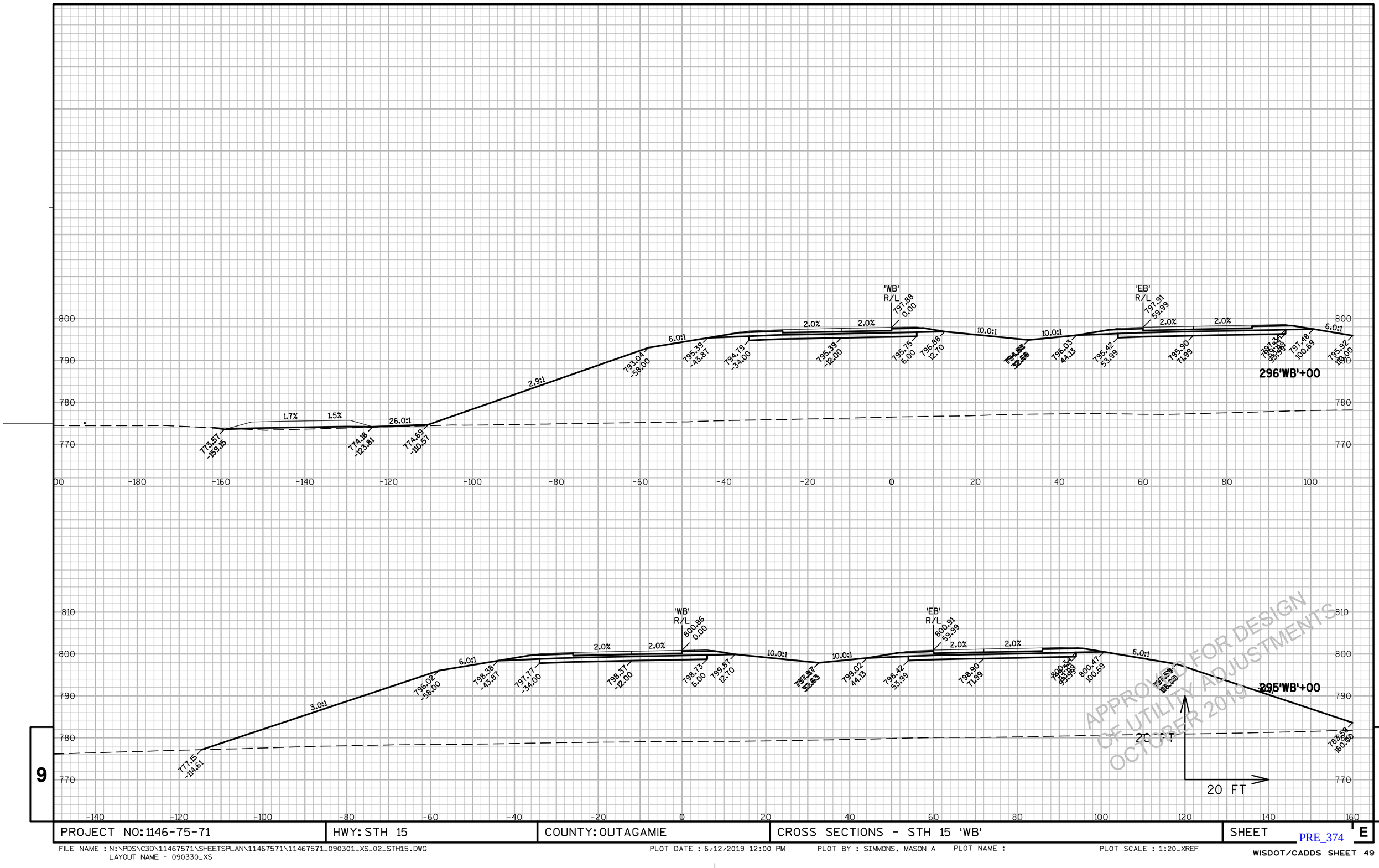
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PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS - STH 15 'WB'	SHEET E

PRE_373

FILE NAME : N:\PDS\C3D\11467571\SHEETSPLAN\11467571\11467571_090301_XS_02_STH15.DWG
LAYOUT NAME - 090329_XS

PLOT DATE : 6/12/2019 12:00 PM PLOT BY : SIMMONS, MASON A PLOT NAME : PLOT SCALE : 1:20_XREF

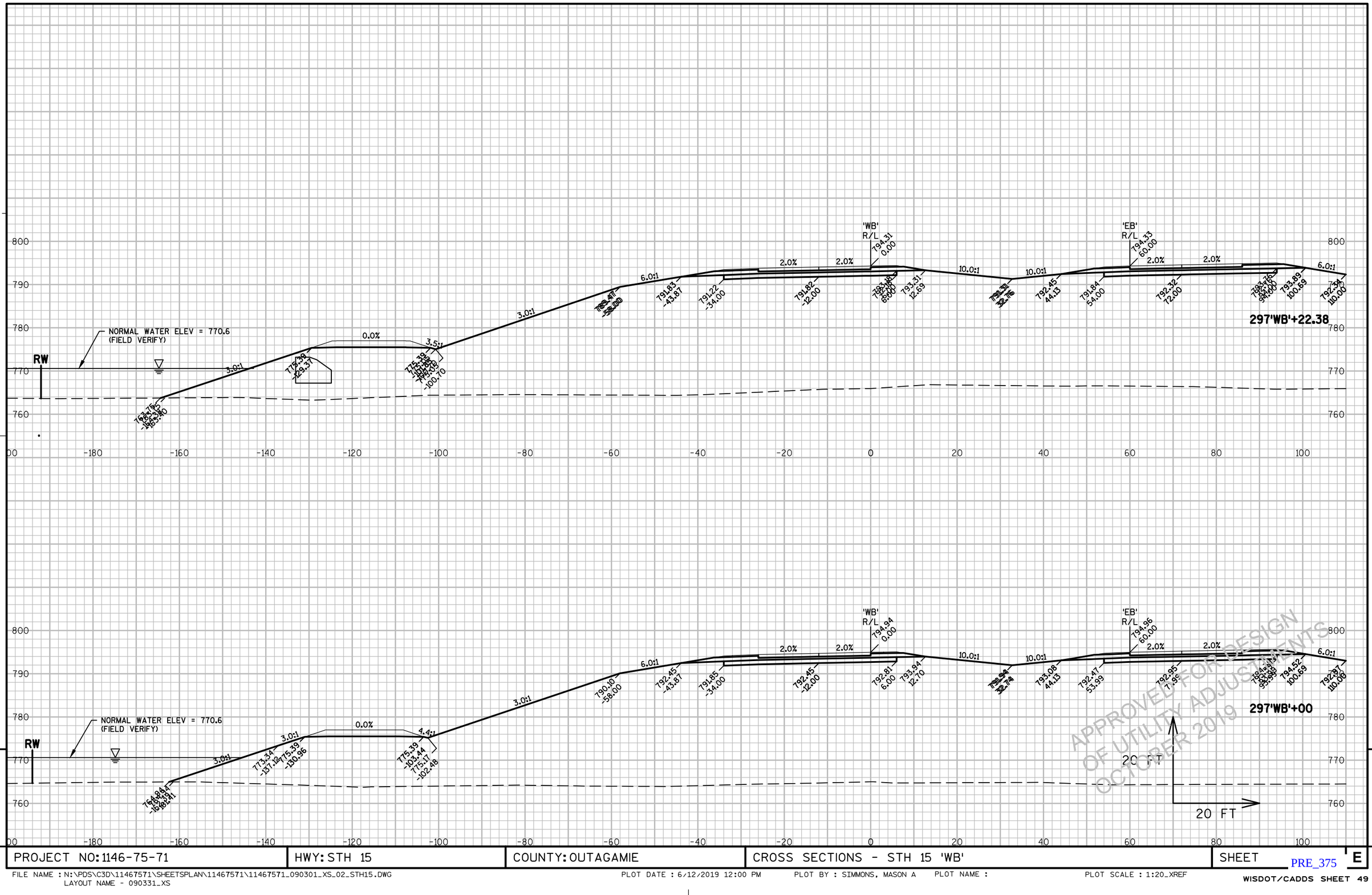


PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS - STH 15 'WB'	SHEET E

FILE NAME : N:\PDS\C3D\11467571\SHEETSPLAN\11467571\11467571_090301_XS_02_STH15.DWG
LAYOUT NAME - 090330_XS

PLOT DATE : 6/12/2019 12:00 PM PLOT BY : SIMMONS, MASON A PLOT NAME : PLOT SCALE : 1:20_XREF

PRE_374



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OCTOBER 2019

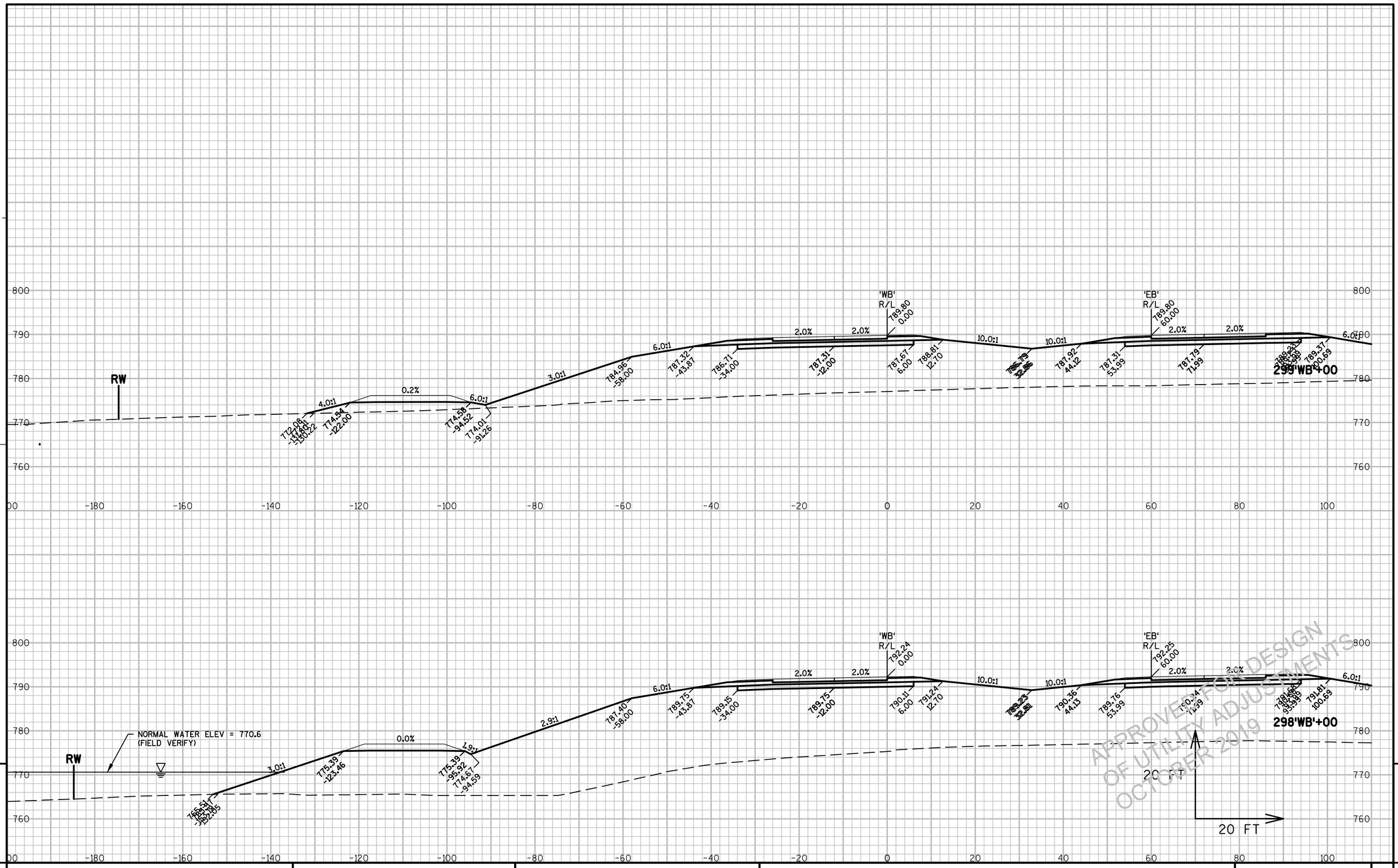
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PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS - STH 15 'WB'	SHEET E

PRE_375

FILE NAME : N:\PDS\C3D\11467571\SHEETSPLAN\11467571\11467571_090301_XS_02_STH15.DWG
LAYOUT NAME - 090331_XS

PLOT DATE : 6/12/2019 12:00 PM PLOT BY : SIMMONS, MASON A PLOT NAME : PLOT SCALE : 1:20_XREF

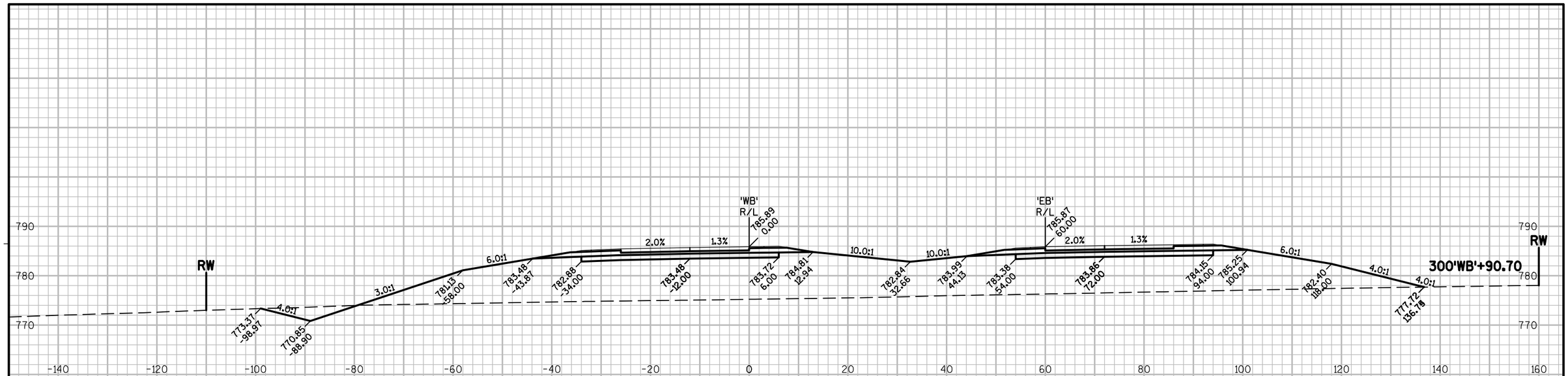


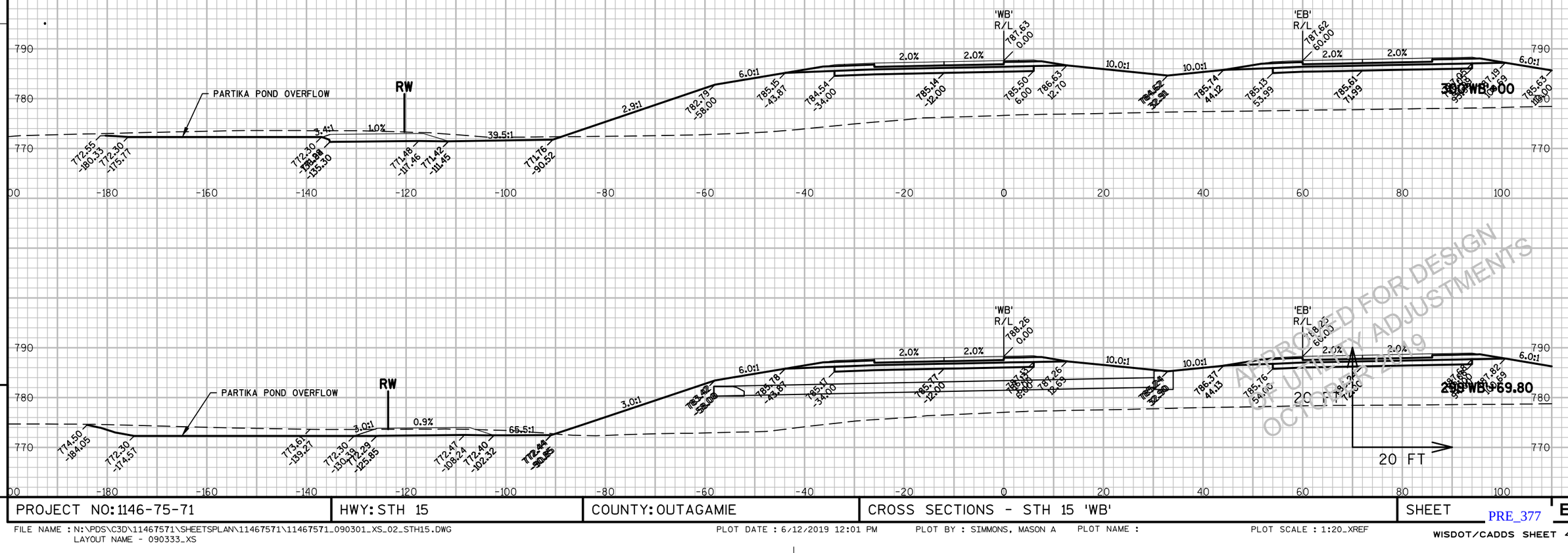
PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS - STH 15 'WB'	SHEET E

PRE_376

FILE NAME : N:\PDS\C3D\11467571\SHEETSPLAN\11467571\11467571_090301_XS_02_STH15.DWG
LAYOUT NAME - 090332_XS

PLOT DATE : 6/12/2019 12:00 PM PLOT BY : SIMMONS, MASON A PLOT NAME : PLOT SCALE : 1:20_XREF





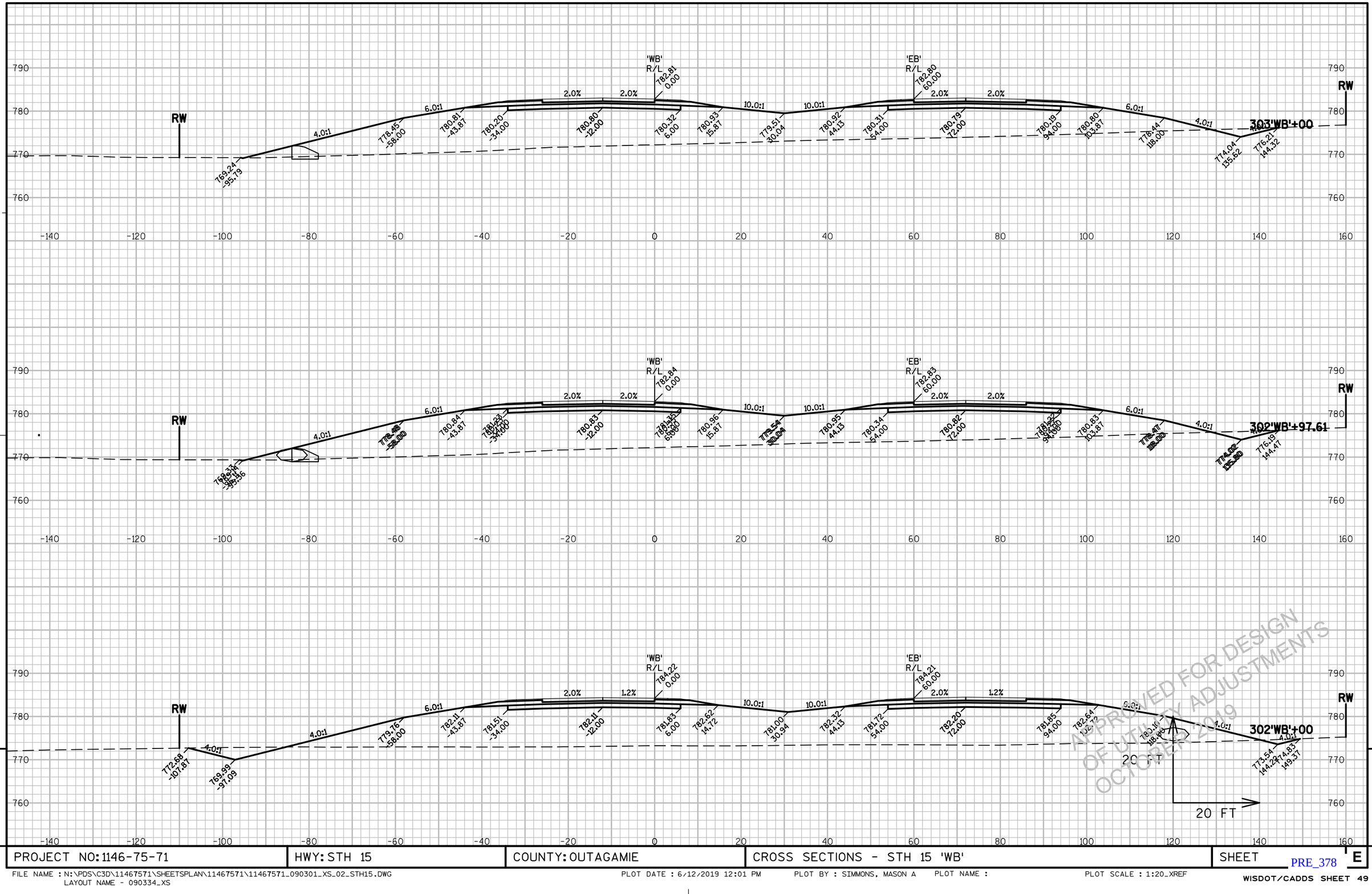
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OF UTILITY ADJUSTMENTS
OCTOBER 2019

PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS - STH 15 'WB'	SHEET E

PRE_377

FILE NAME : N:\PDS\C3D\11467571\SHEETSPLAN\11467571\11467571_090301_XS_02_STH15.DWG
LAYOUT NAME - 090333_XS

PLOT DATE : 6/12/2019 12:01 PM PLOT BY : SIMMONS, MASON A PLOT NAME : PLOT SCALE : 1:20_XREF

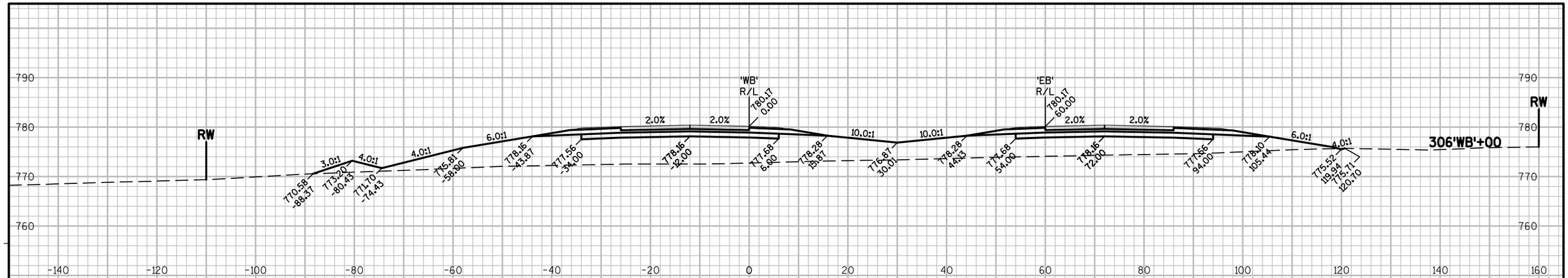


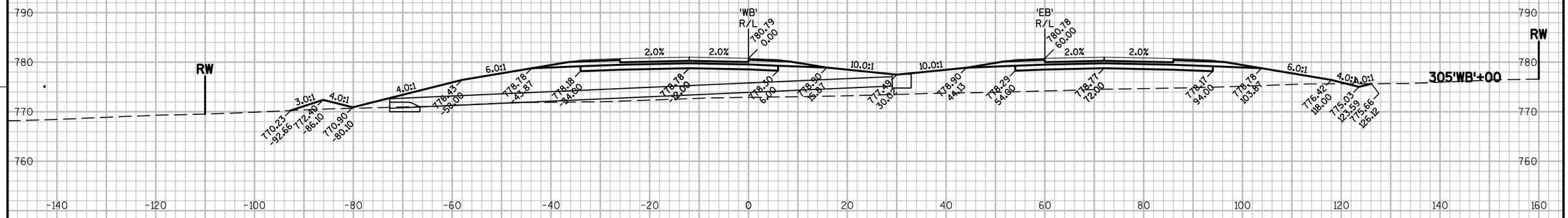
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OF UTILITY ADJUSTMENTS
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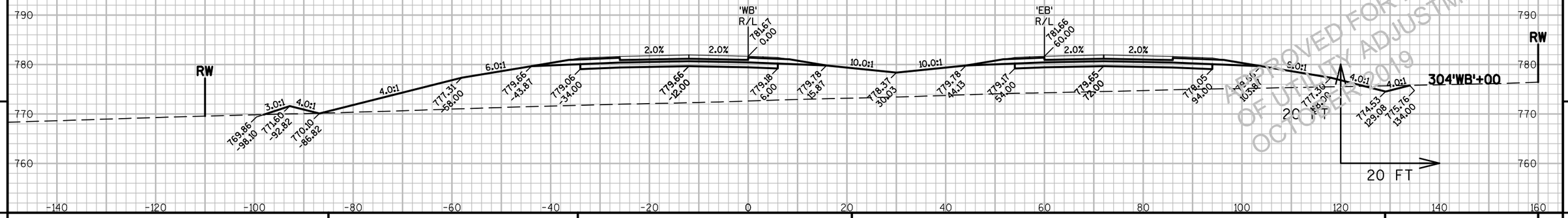
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PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS - STH 15 'WB'	SHEET E

FILE NAME : N:\PDS\C3D\11467571\SHEETSPLAN\11467571\11467571_090301_XS_02_STH15.DWG
LAYOUT NAME - 090334_XS
PLOT DATE : 6/12/2019 12:01 PM PLOT BY : SIMMONS, MASON A PLOT NAME : PLOT SCALE : 1:20_XREF
WISDOT/CADDS SHEET 49





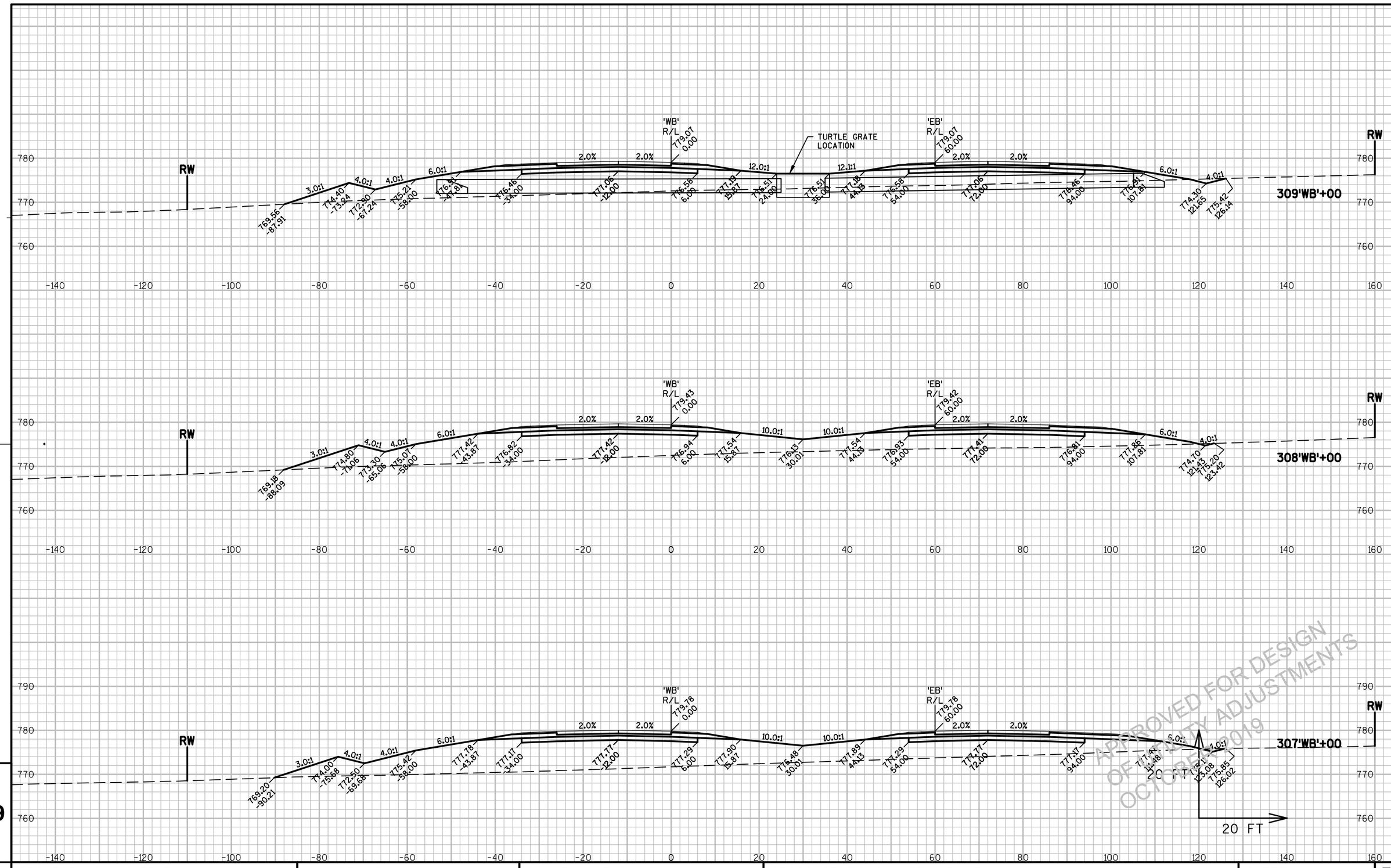


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OCTOBER 2019

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PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS - STH 15 'WB'	SHEET E



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OCTOBER 2019

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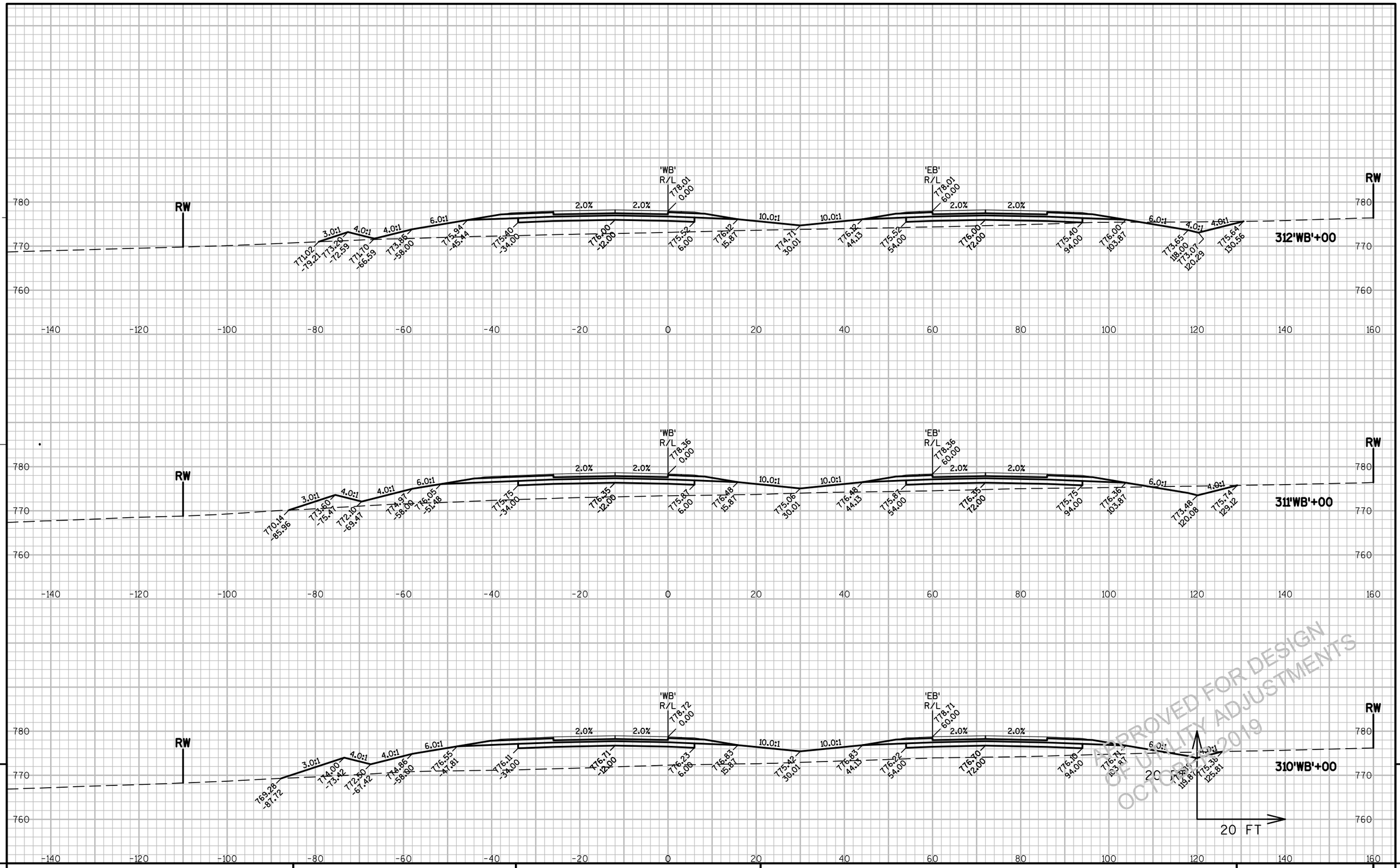
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PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS - STH 15 'WB'	SHEET E

PRE_380

FILE NAME : N:\PDS\C3D\11467571\SHEETSPLAN\11467571\11467571_090301_XS_02_STH15.DWG
LAYOUT NAME - 090336_XS

PLOT DATE : 6/12/2019 12:01 PM PLOT BY : SIMMONS, MASON A PLOT NAME : PLOT SCALE : 1:20_XREF



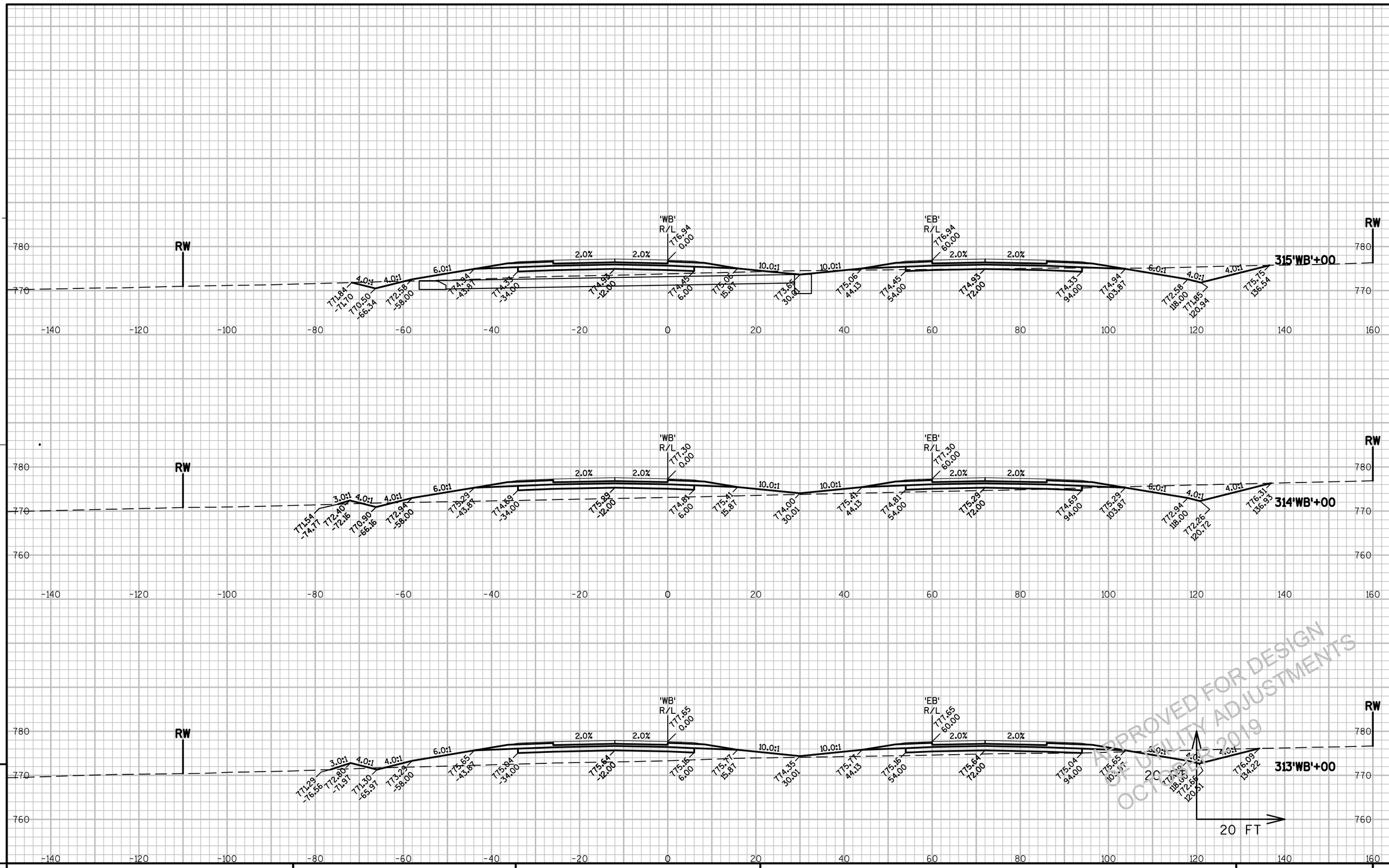
PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS - STH 15 'WB'	SHEET E

PRE_381

FILE NAME : N:\PDS\C3D\11467571\SHEETSPLAN\11467571\11467571_090301_XS_02_STH15.DWG
LAYOUT NAME - 090337_XS

PLOT DATE : 6/12/2019 12:01 PM PLOT BY : SIMMONS, MASON A PLOT NAME : PLOT SCALE : 1:20_XREF

WISDOT/CADDS SHEET 49



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OCTOBER 2019

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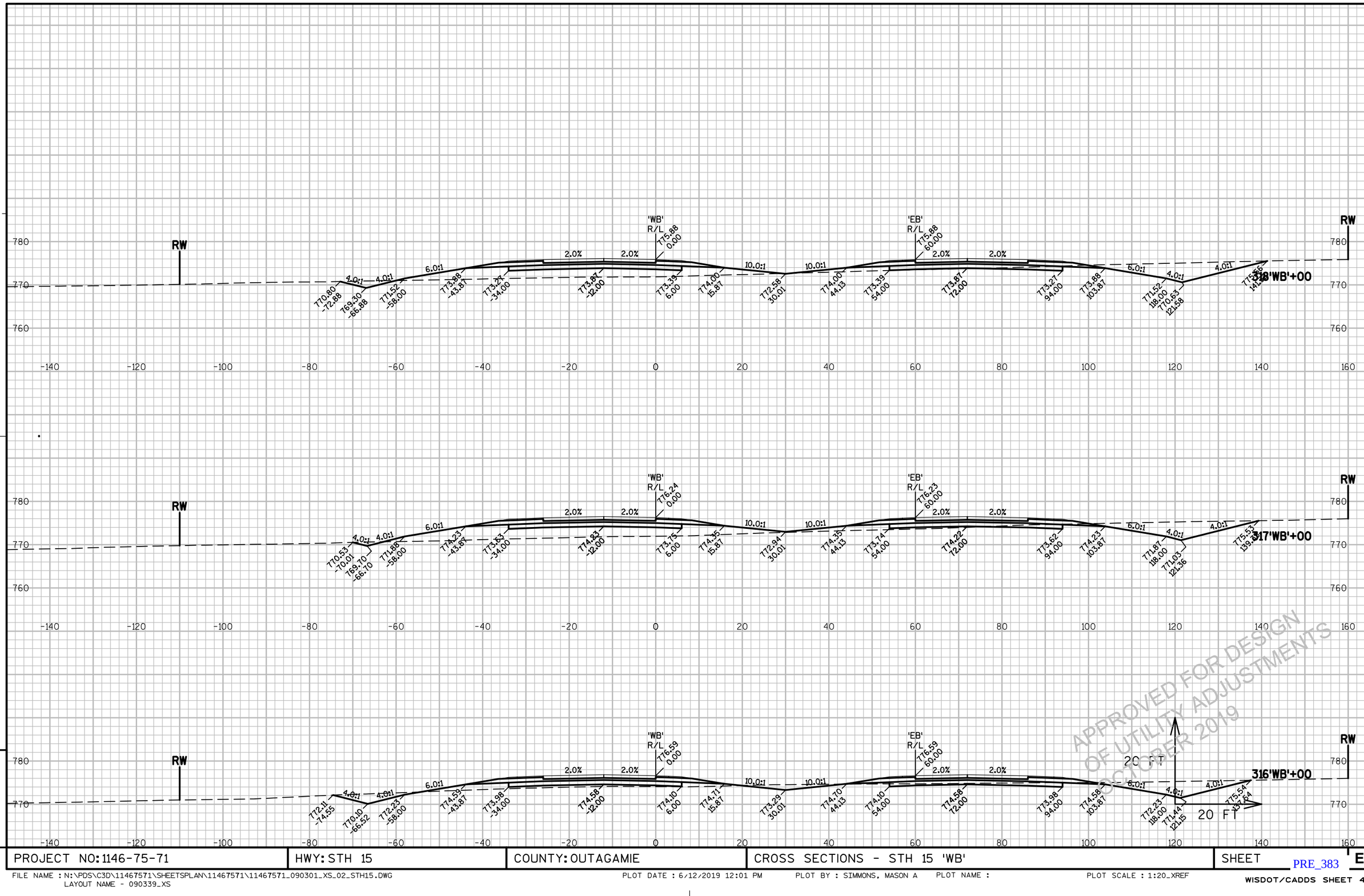
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PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS - STH 15 'WB'	SHEET E

PRE_382

FILE NAME : N:\PDS\C3D\11467571\SHEETSPLAN\11467571\11467571_090301_XS_02_STH15.DWG
LAYOUT NAME - 090338_XS

PLOT DATE : 6/12/2019 12:01 PM PLOT BY : SIMMONS, MASON A PLOT NAME : PLOT SCALE : 1:20_XREF



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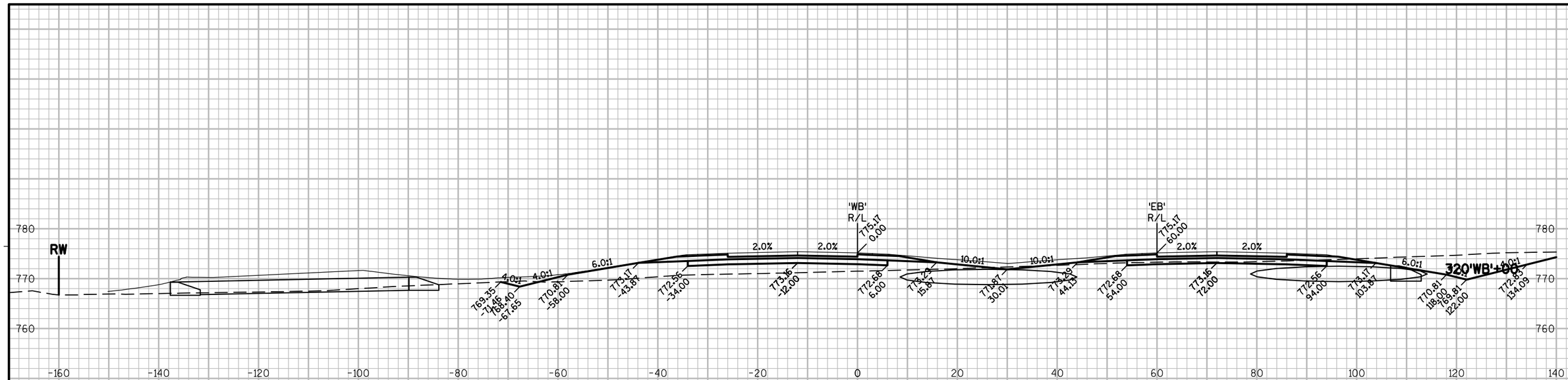
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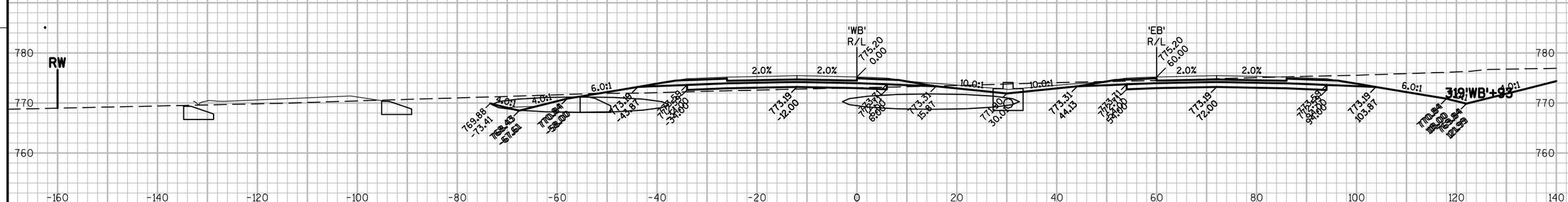
PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS - STH 15 'WB'	SHEET E

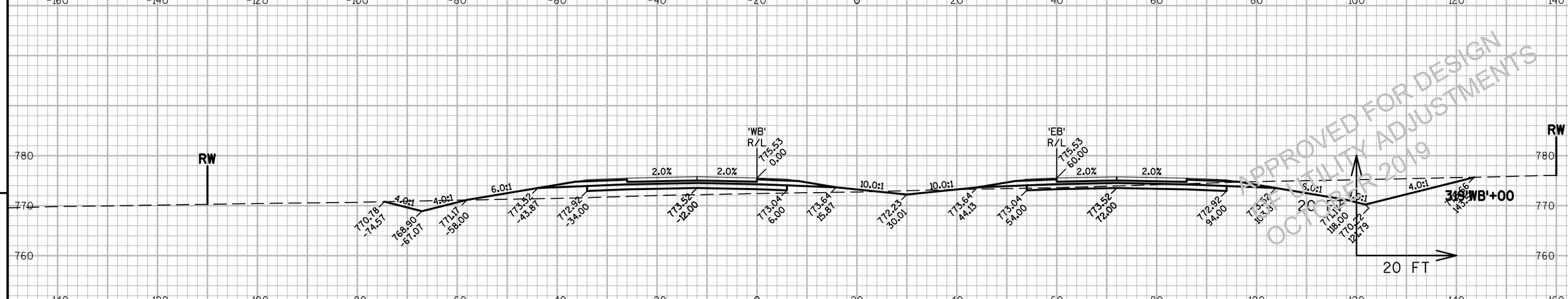
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LAYOUT NAME - 090339_XS

PLOT DATE : 6/12/2019 12:01 PM PLOT BY : SIMMONS, MASON A PLOT NAME : PLOT SCALE : 1:20_XREF







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UTILITY ADJUSTMENTS
OCTOBER 2019

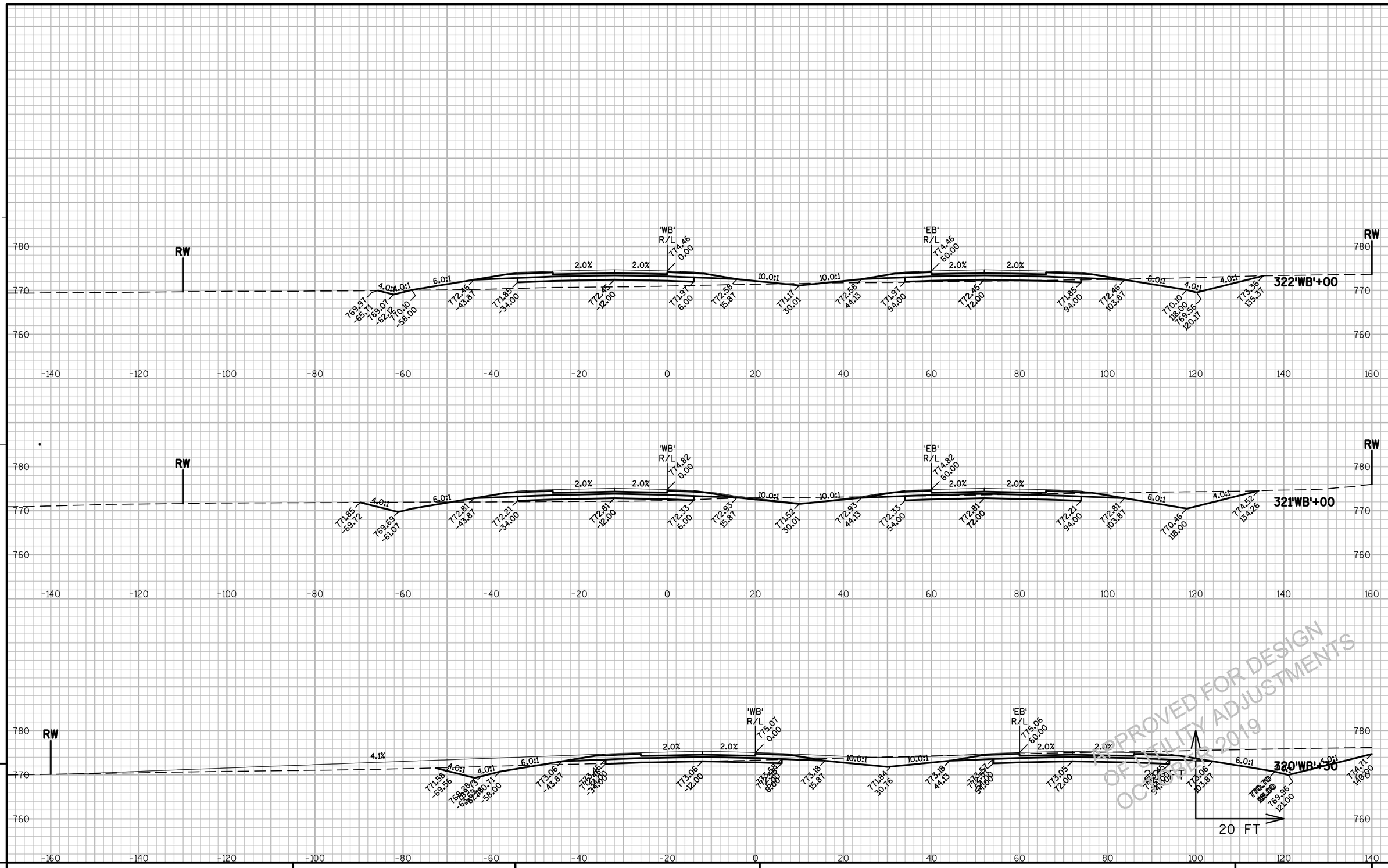
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PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS - STH 15 'WB'	SHEET E

PRE_384

FILE NAME : N:\PDS\C3D\11467571\SHEETSPLAN\11467571\11467571_090301_XS_02_STH15.DWG
LAYOUT NAME - 090340_XS

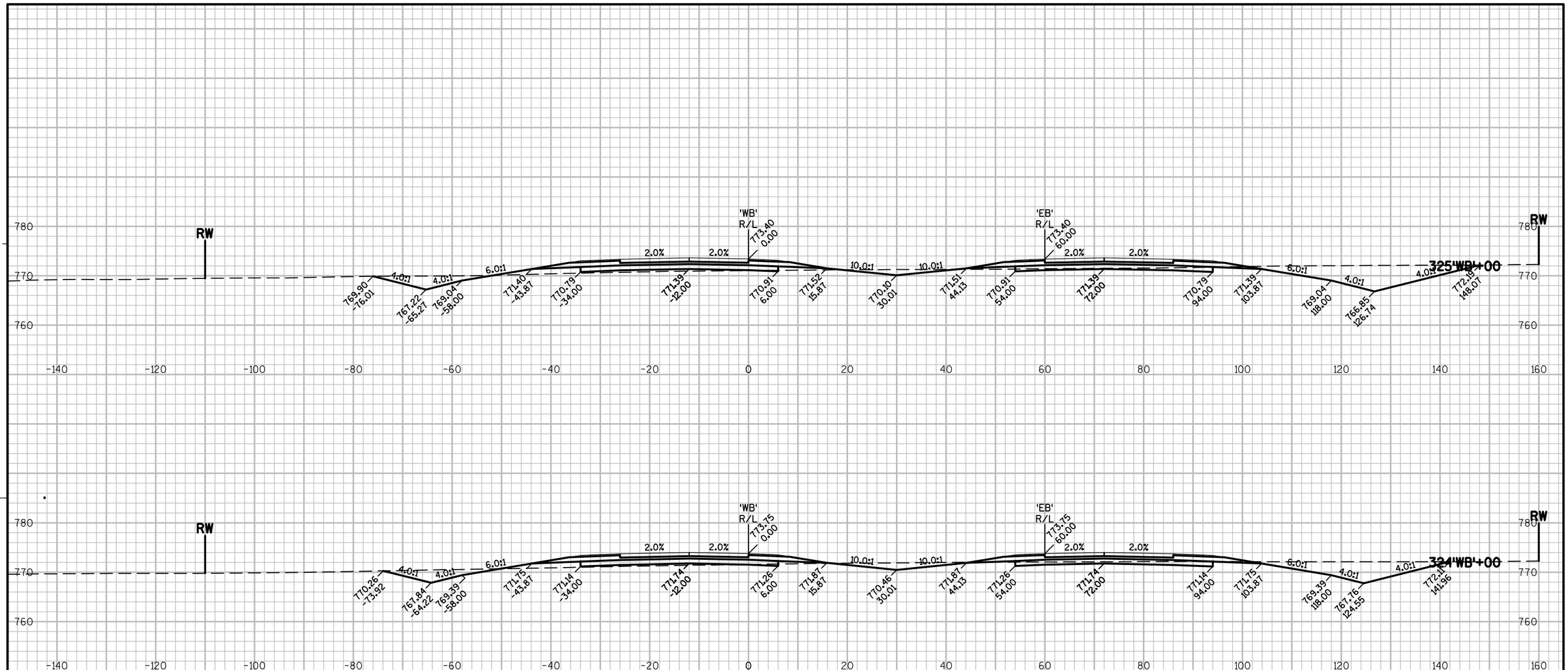
PLOT DATE : 6/12/2019 12:01 PM PLOT BY : SIMMONS, MASON A PLOT NAME : PLOT SCALE : 1:20_XREF



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OF UTILITY ADJUSTMENTS
OCTOBER 2019

PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS - STH 15 'WB'	SHEET E

FILE NAME : N:\PDS\C3D\11467571\SHEETSPLAN\11467571\11467571_090301_XS_02_STH15.DWG
LAYOUT NAME - 090341_XS
PLOT DATE : 6/12/2019 12:01 PM PLOT BY : SIMMONS, MASON A PLOT NAME : PLOT SCALE : 1:20_XREF
WISDOT/CADDS SHEET 49



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& UTILITY ADJUSTMENTS
OCTOBER 2019

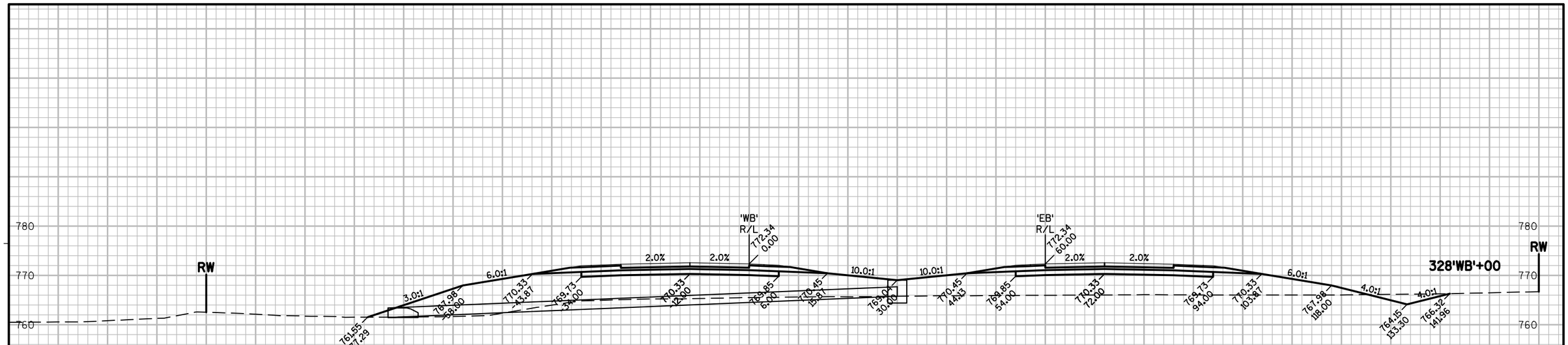
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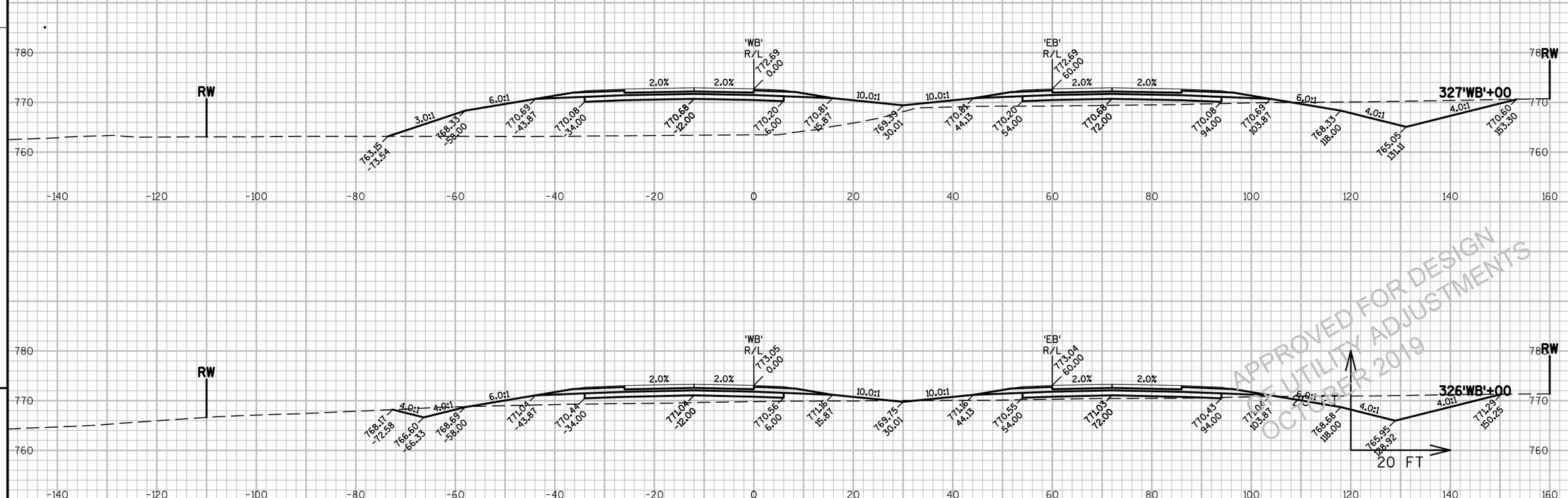
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PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS - STH 15 'WB'	SHEET E

PRE_386

FILE NAME : N:\PDS\C3D\11467571\SHEETSPLAN\11467571\11467571_090301_XS_02_STH15.DWG
LAYOUT NAME - 090342_XS
PLOT DATE : 6/12/2019 12:01 PM PLOT BY : SIMMONS, MASON A PLOT NAME : PLOT SCALE : 1:20_XREF
WISDOT/CADDS SHEET 49





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OF UTILITY ADJUSTMENTS
OCTOBER 2019

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PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS - STH 15 'WB'	SHEET E

PRE_387

FILE NAME : N:\PDS\C3D\11467571\SHEETSPLAN\11467571\11467571_090301_XS_02_STH15.DWG
LAYOUT NAME - 090343_XS

PLOT DATE : 6/12/2019 12:01 PM PLOT BY : SIMMONS, MASON A PLOT NAME : PLOT SCALE : 1:20_XREF

WISDOT/CADDS SHEET 49

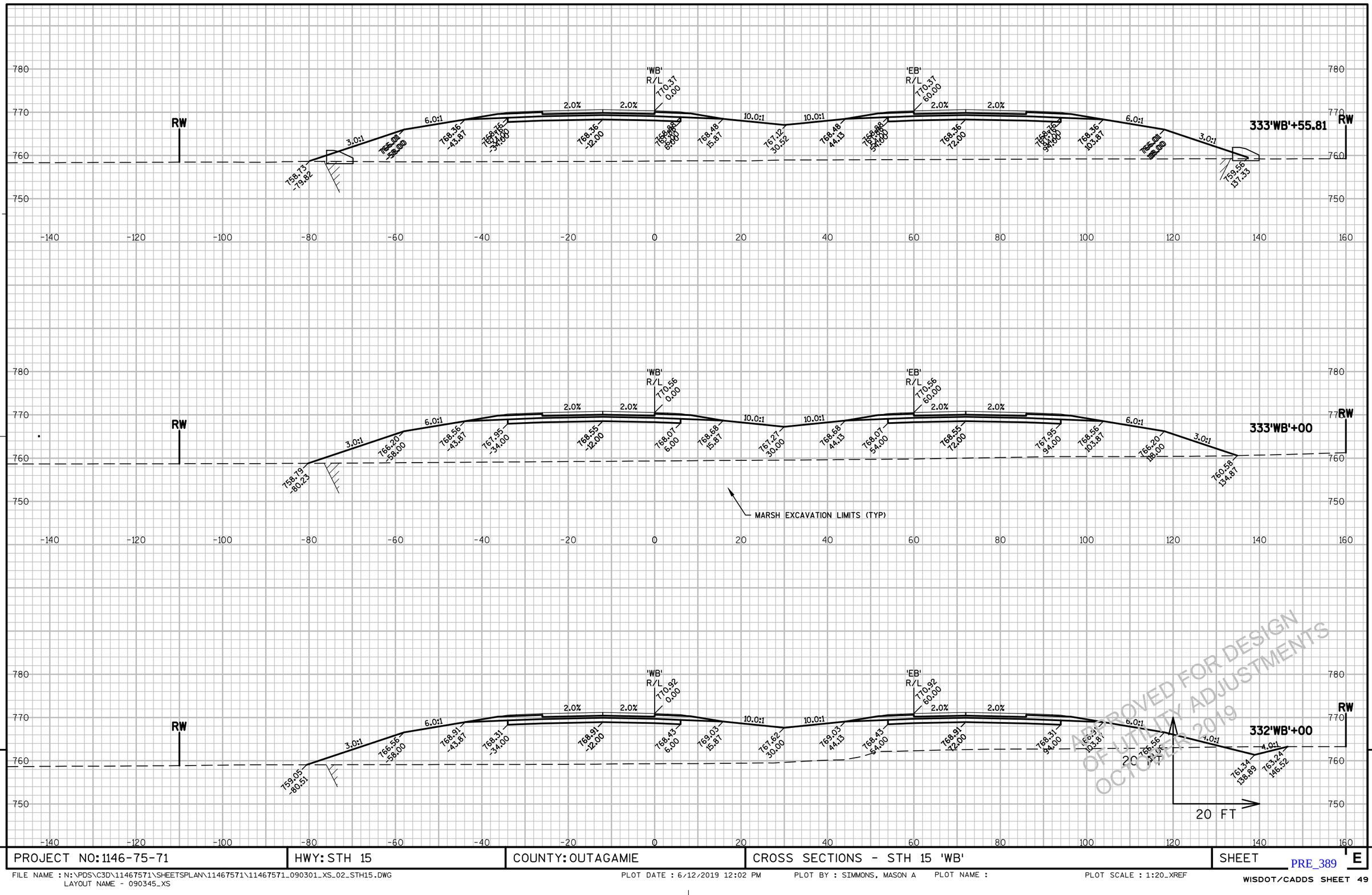
PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS - STH 15 'WB'	SHEET E

FILE NAME : N:\PDS\C3D\11467571\SHEETSPLAN\11467571\11467571_090301_XS_02_STH15.DWG
LAYOUT NAME - 090344_XS

PLOT DATE : 6/12/2019 12:02 PM PLOT BY : SIMMONS, MASON A PLOT NAME : PLOT SCALE : 1:20_XREF

PRE_388

WISDOT/CADDS SHEET 49



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OF UTILITY ADJUSTMENTS
OCTOBER 2019

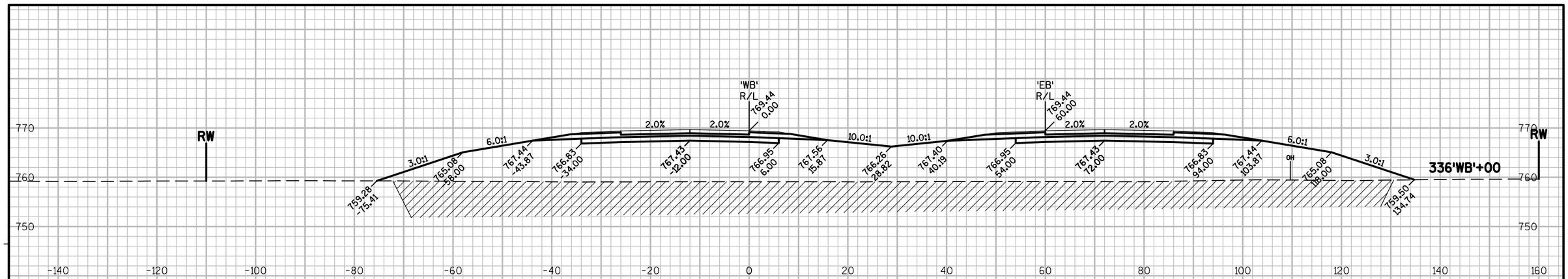
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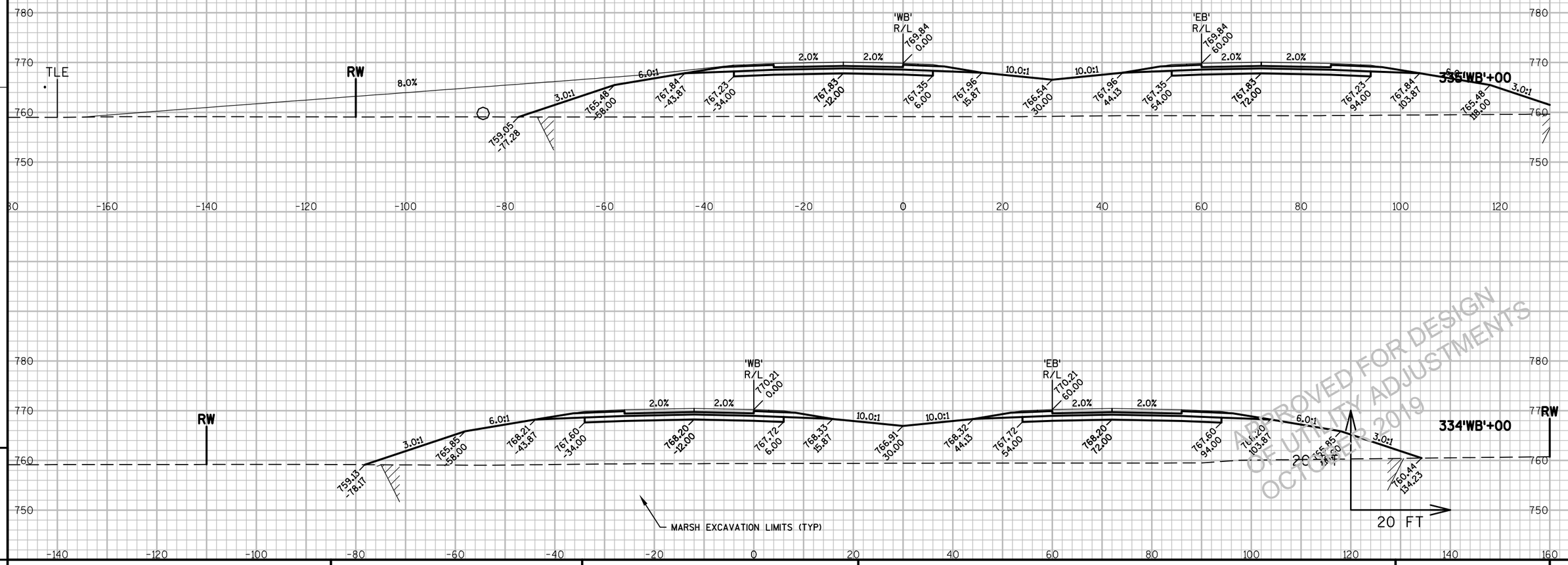
PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS - STH 15 'WB'	SHEET E

PRE_389

FILE NAME : N:\PDS\C3D\11467571\SHEETSPLAN\11467571\11467571_090301_XS_02_STH15.DWG
LAYOUT NAME - 090345_XS

PLOT DATE : 6/12/2019 12:02 PM PLOT BY : SIMMONS, MASON A PLOT NAME : PLOT SCALE : 1:20_XREF





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OF UTILITY ADJUSTMENTS
OCTOBER 2019

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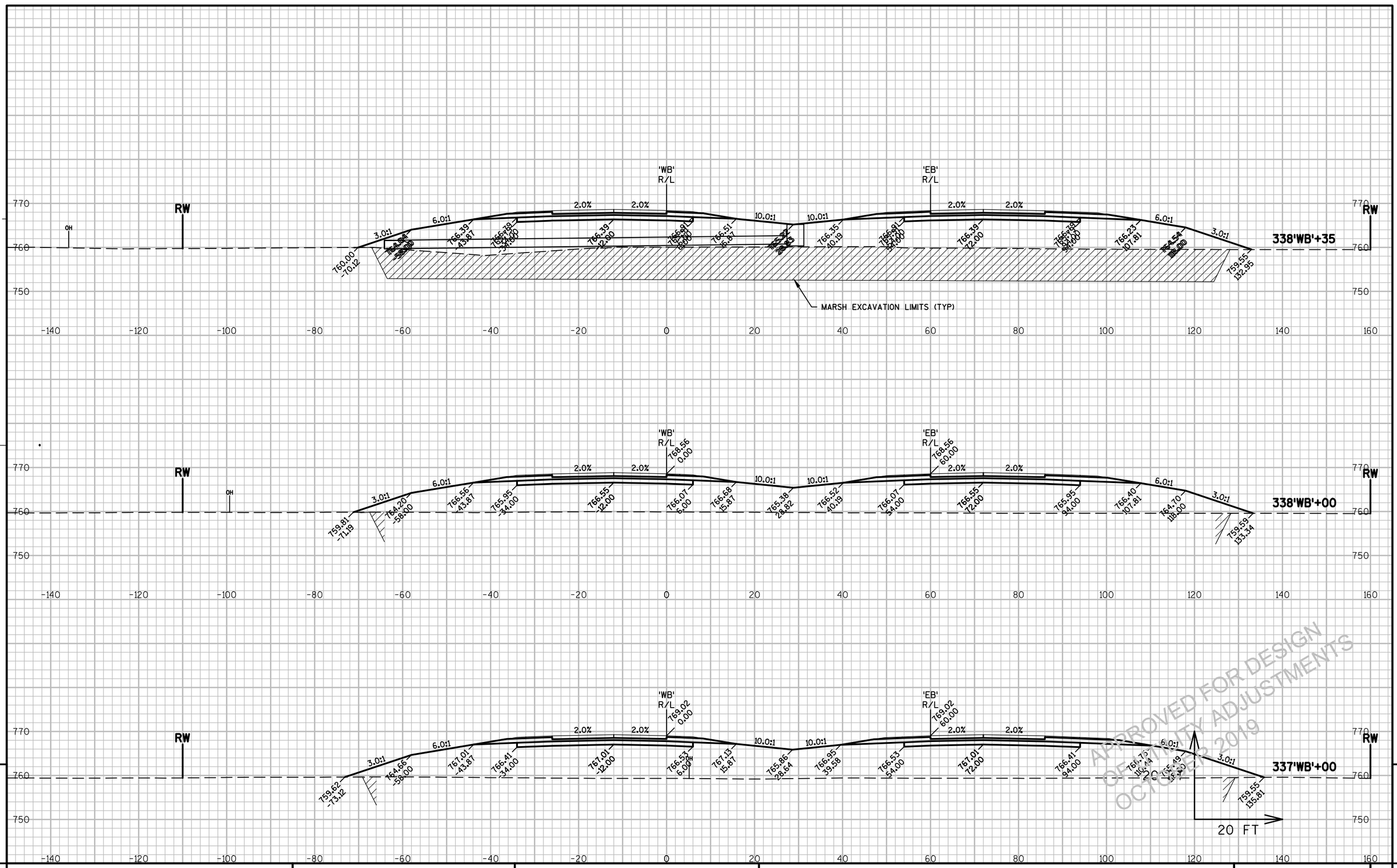
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PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS - STH 15 'WB'	SHEET E

PRE_390

FILE NAME : N:\PDS\C3D\11467571\SHEETSPLAN\11467571\11467571_090301_XS_02_STH15.DWG
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PLOT DATE : 6/12/2019 12:02 PM PLOT BY : SIMMONS, MASON A PLOT NAME : PLOT SCALE : 1:20_XREF

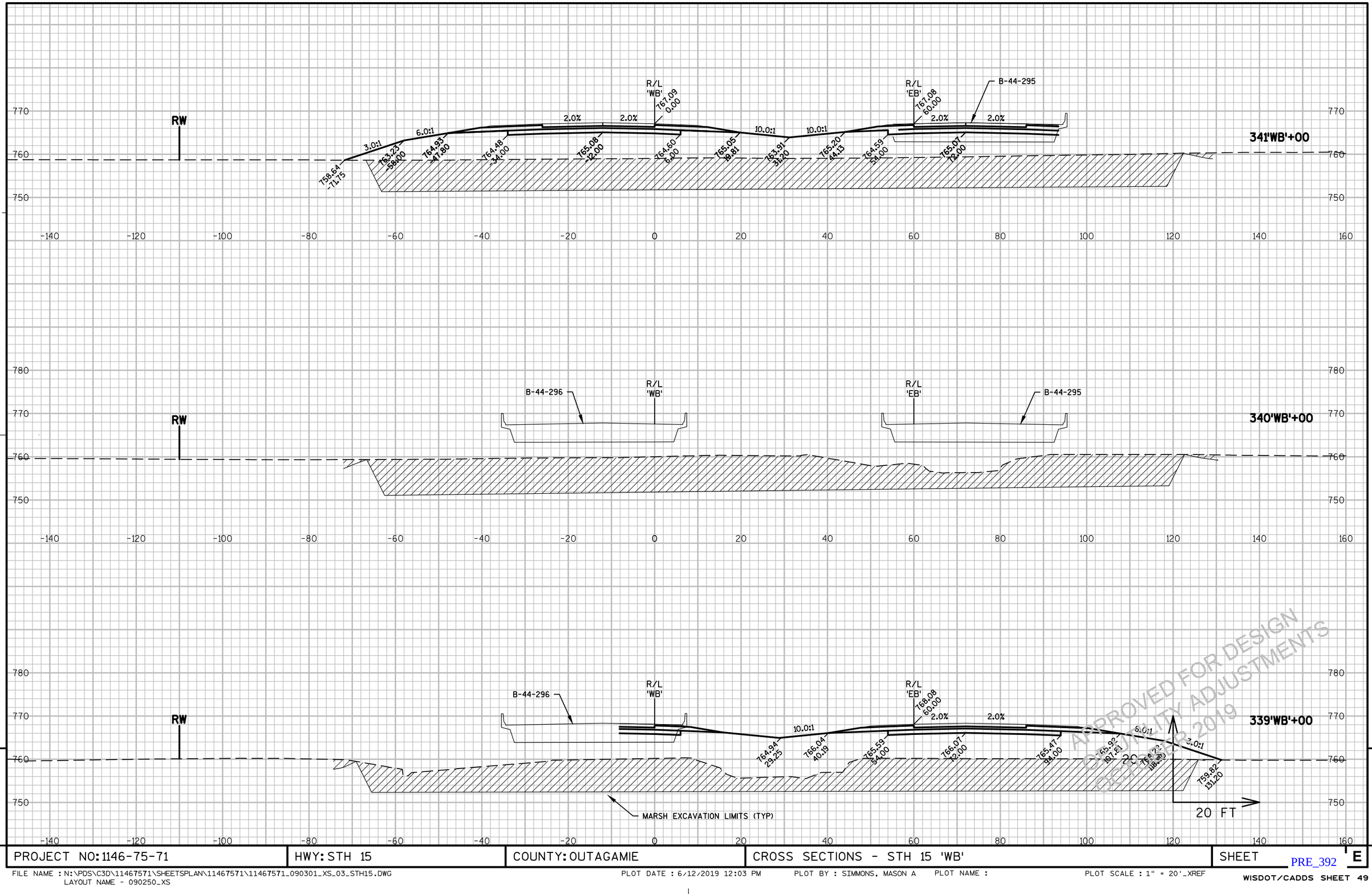


PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS - STH 15 'WB'	SHEET E

PRE_391

FILE NAME : N:\PDS\C3D\11467571\SHEETSPLAN\11467571\11467571_090301_XS_02_STH15.DWG
LAYOUT NAME - 090347_XS

PLOT DATE : 6/12/2019 12:02 PM PLOT BY : SIMMONS, MASON A PLOT NAME : PLOT SCALE : 1:20_XREF



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PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS - STH 15 'WB'	SHEET E

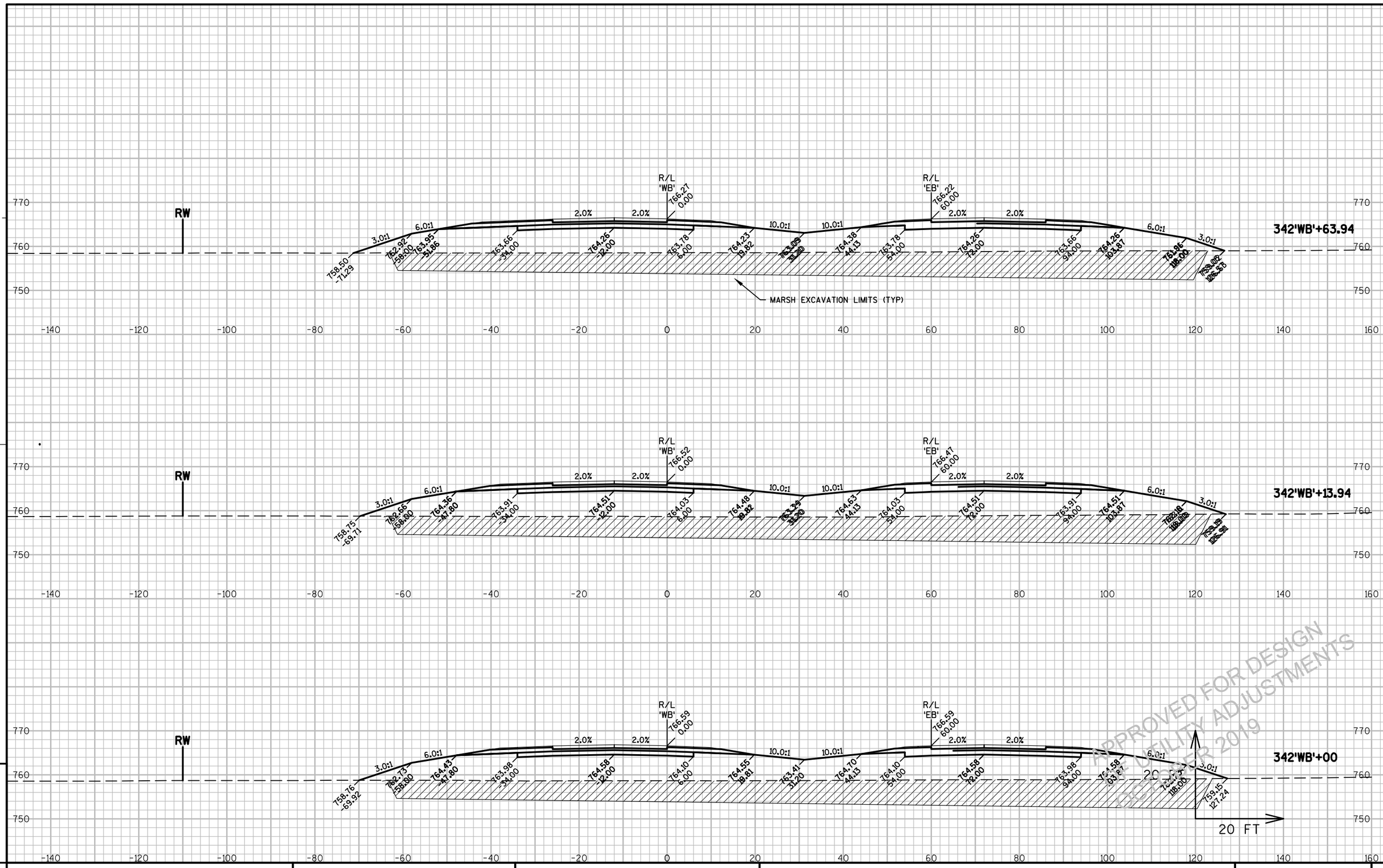
PRE_392

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LAYOUT NAME - 090250_XS

PLOT DATE : 6/12/2019 12:03 PM PLOT BY : SIMMONS, MASON A PLOT NAME : PLOT SCALE : 1" = 20'_XREF

WISDOT/CADDS SHEET 49

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BY UTILITY ADJUSTMENTS
OCTOBER 2019

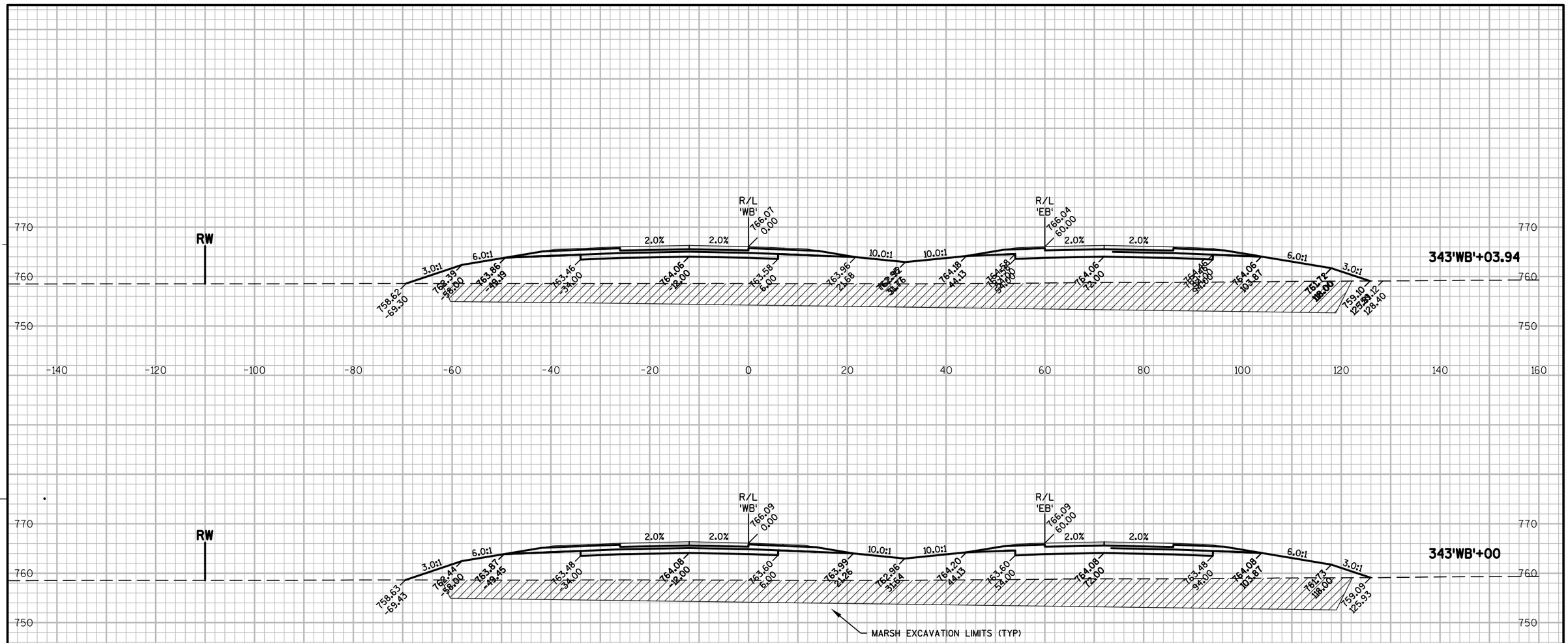
PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS - STH 15 'WB'	SHEET E

PRE_393

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LAYOUT NAME - 090251_XS

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WISDOT/CADDS SHEET 49

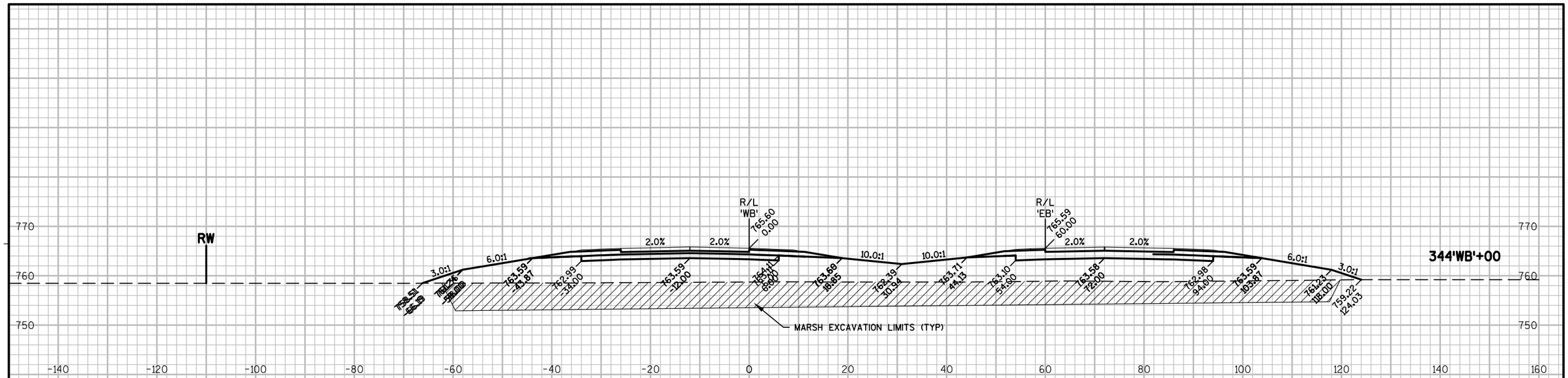


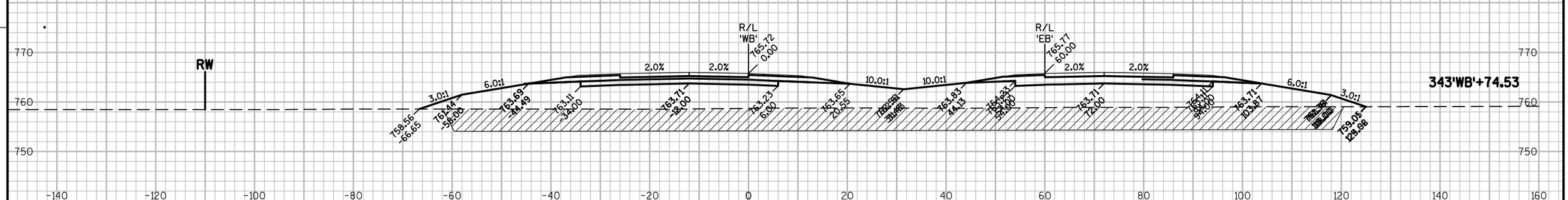
APPROVED FOR DESIGN
UTILITY ADJUSTMENTS
OCTOBER 2019

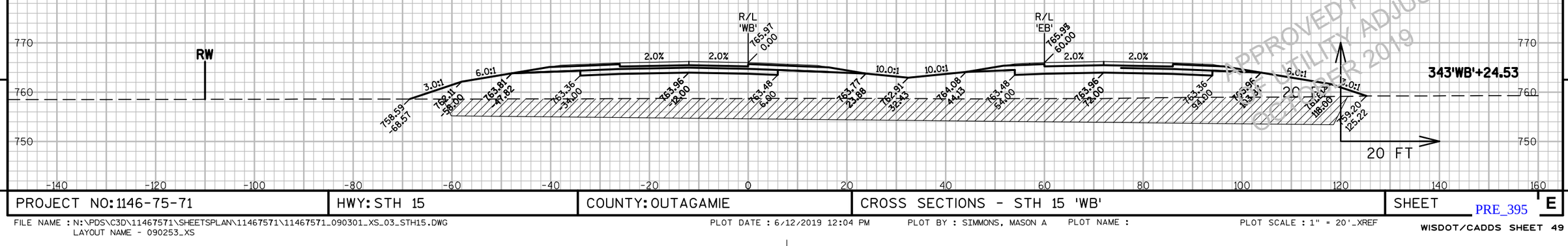
PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS - STH 15 'WB'	SHEET E

FILE NAME : N:\PDS\C3D\11467571\SHEETSPLAN\11467571\11467571_090301_XS_03_STH15.DWG
LAYOUT NAME - 090252_XS

PLOT DATE : 6/12/2019 12:04 PM PLOT BY : SIMMONS, MASON A PLOT NAME : PLOT SCALE : 1" = 20'_XREF







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OCTOBER 2019

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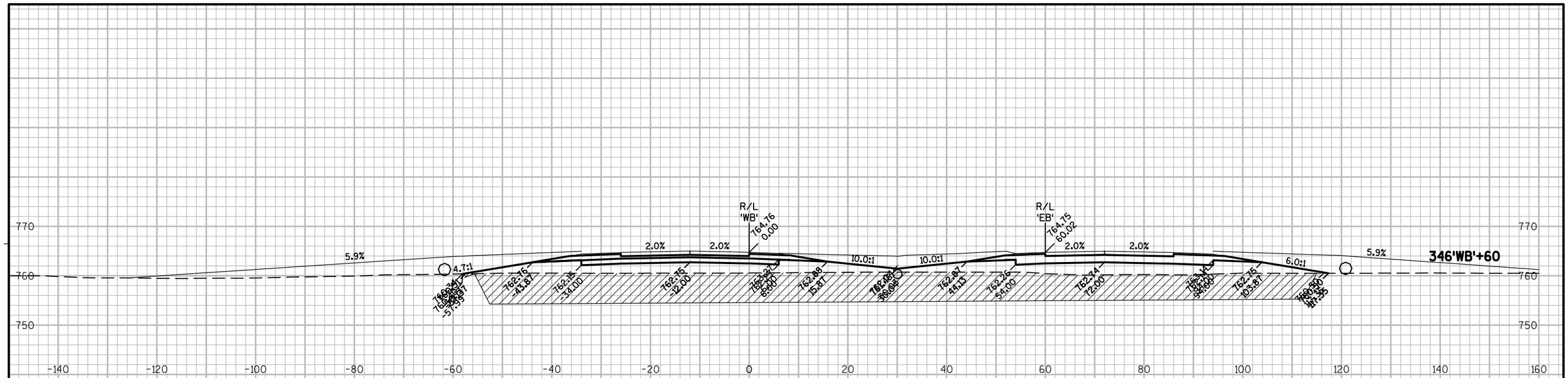
PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS - STH 15 'WB'	SHEET E

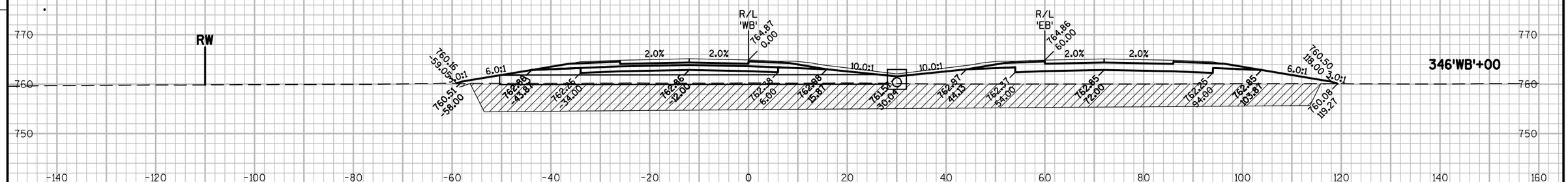
PRE_395

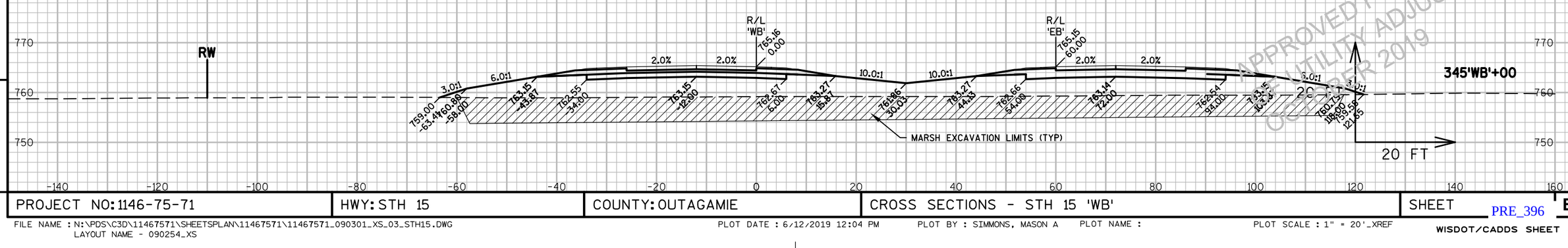
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LAYOUT NAME - 090253_XS

PLOT DATE : 6/12/2019 12:04 PM PLOT BY : SIMMONS, MASON A PLOT NAME : PLOT SCALE : 1" = 20'_XREF

WISDOT/CADDS SHEET 49



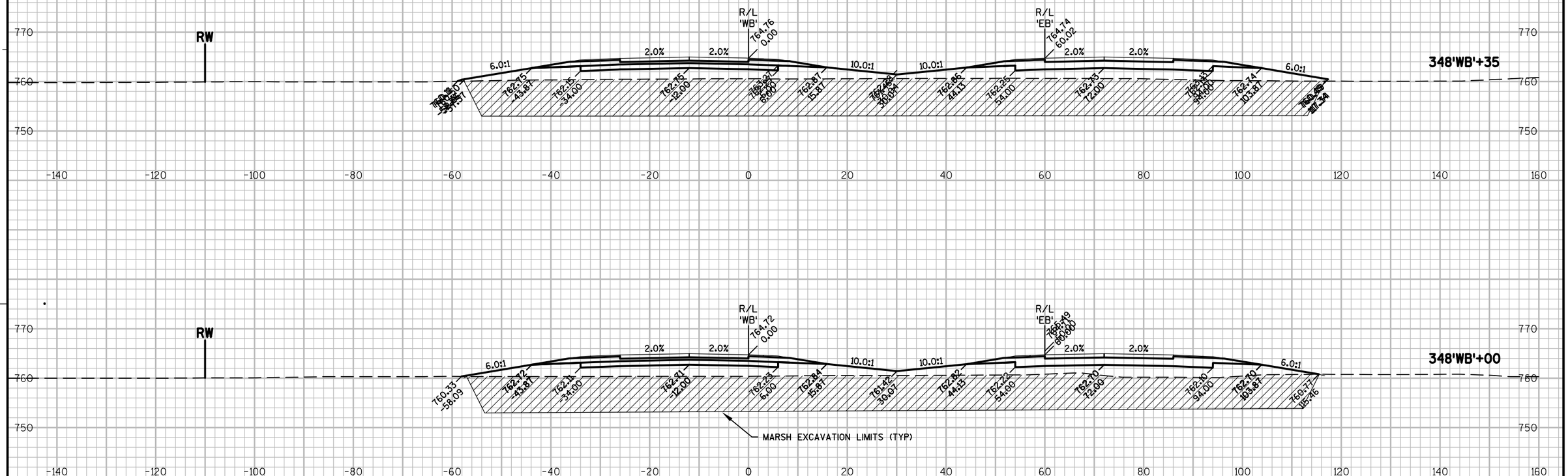


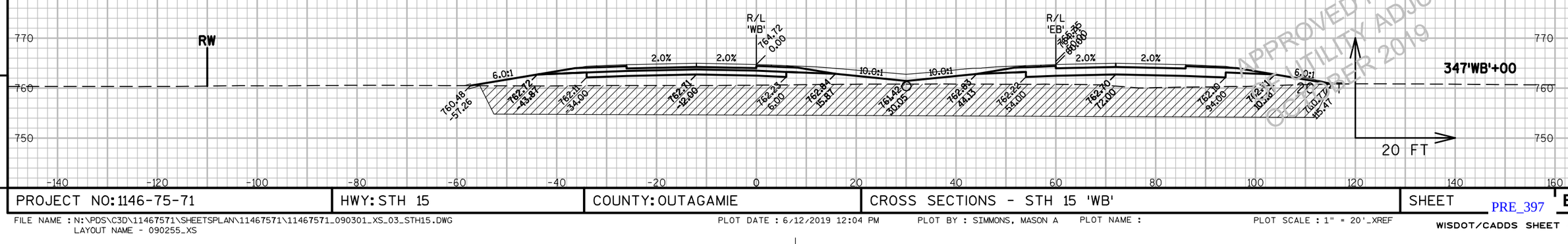


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UTILITY ADJUSTMENTS

PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS - STH 15 'WB'	SHEET E

FILE NAME : N:\PDS\C3D\11467571\SHEETSPLAN\11467571\11467571_090301_XS_03_STH15.DWG
LAYOUT NAME - 090254_XS
PLOT DATE : 6/12/2019 12:04 PM PLOT BY : SIMMONS, MASON A PLOT NAME : PLOT SCALE : 1" = 20'_XREF
WISDOT/CADDS SHEET 49





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UTILITY ADJUSTMENTS
OCTOBER 2019

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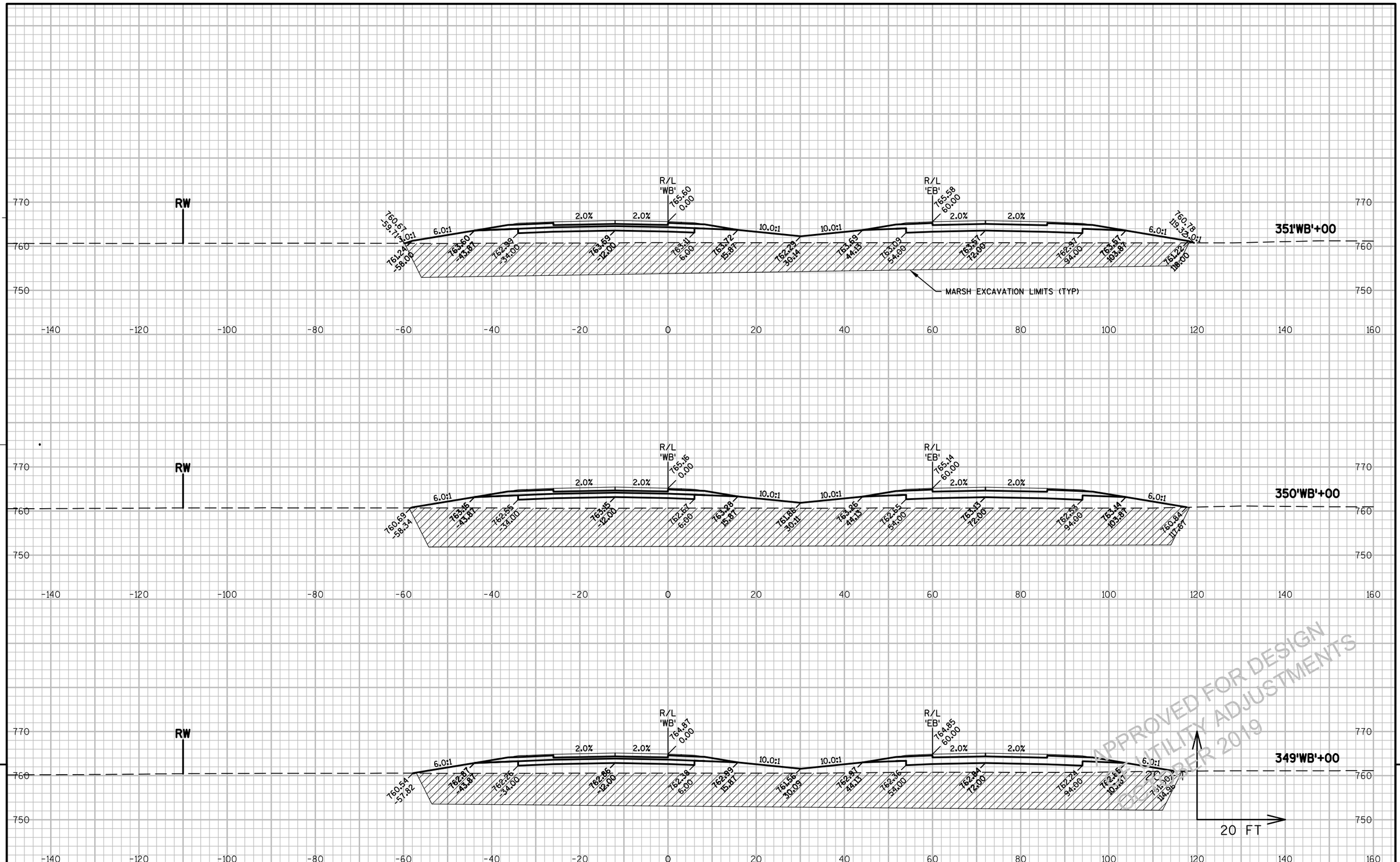
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PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS - STH 15 'WB'	SHEET E

PRE_397

FILE NAME : N:\PDS\C3D\11467571\SHEETSPLAN\11467571\11467571_090301_XS_03_STH15.DWG
LAYOUT NAME - 090255_XS

PLOT DATE : 6/12/2019 12:04 PM PLOT BY : SIMMONS, MASON A PLOT NAME : PLOT SCALE : 1" = 20'_XREF



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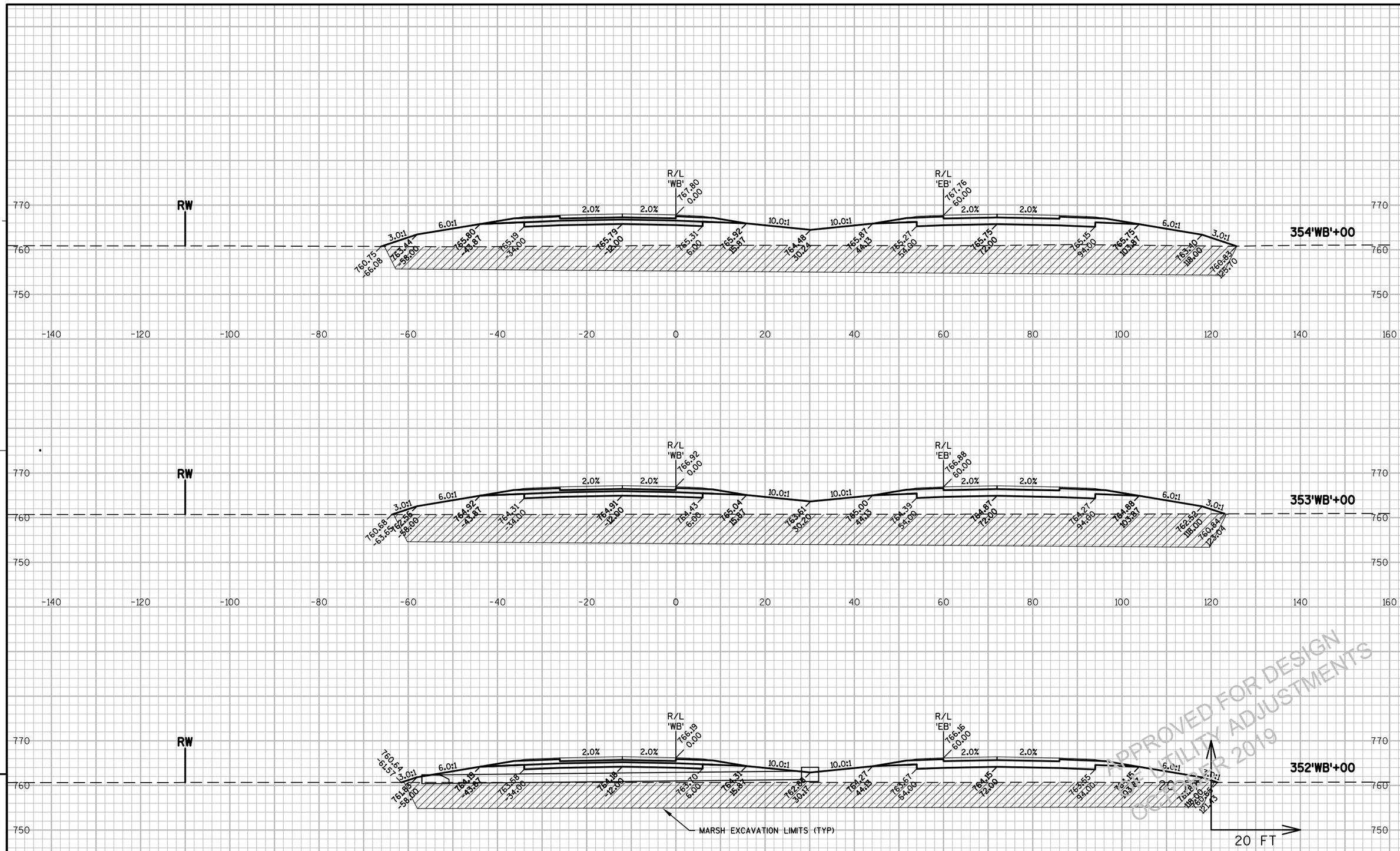
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PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS - STH 15 'WB'	SHEET E

PRE_398

FILE NAME : N:\PDS\C3D\11467571\SHEETSPLAN\11467571\11467571_090301_XS_03_STH15.DWG
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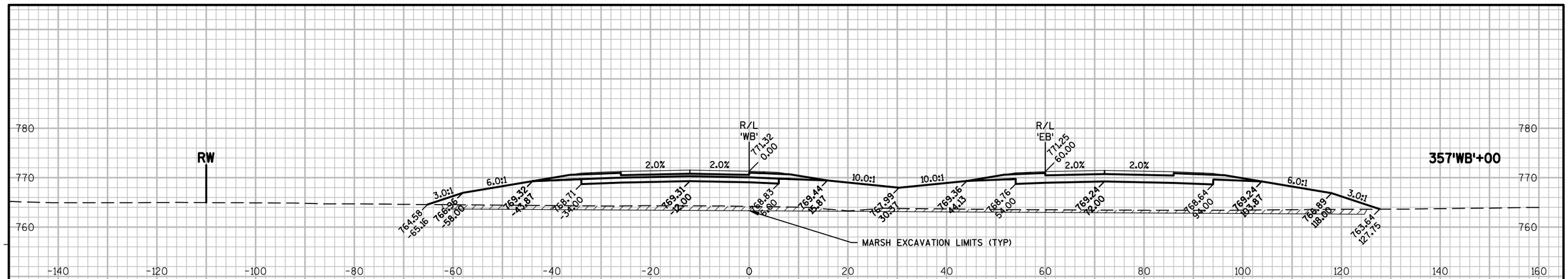


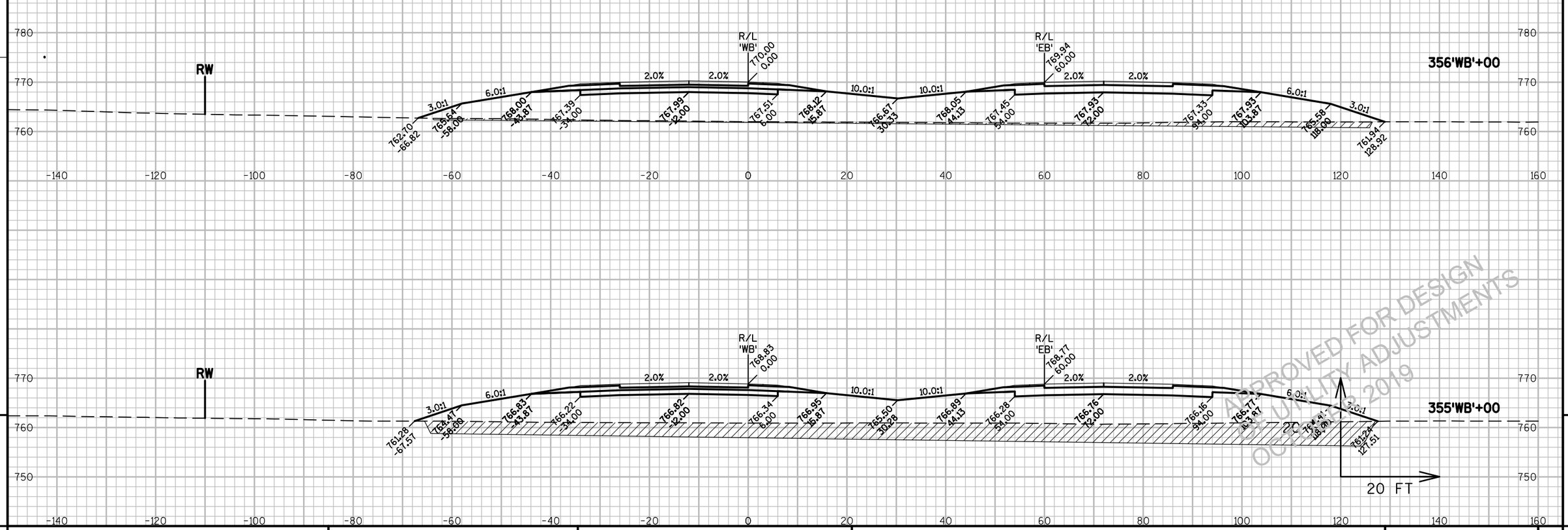
APPROVED FOR DESIGN
UTILITY ADJUSTMENTS
OCTOBER 2019

PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS - STH 15 'WB'	SHEET E

FILE NAME : N:\PDS\C3D\11467571\SHEETSPLAN\11467571\11467571_090301_XS_03_STH15.DWG
LAYOUT NAME - 090257_XS

PLOT DATE : 6/12/2019 12:04 PM PLOT BY : SIMMONS, MASON A PLOT NAME : PLOT SCALE : 1" = 20'_XREF





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UTILITY ADJUSTMENTS
OCTOBER 3, 2019

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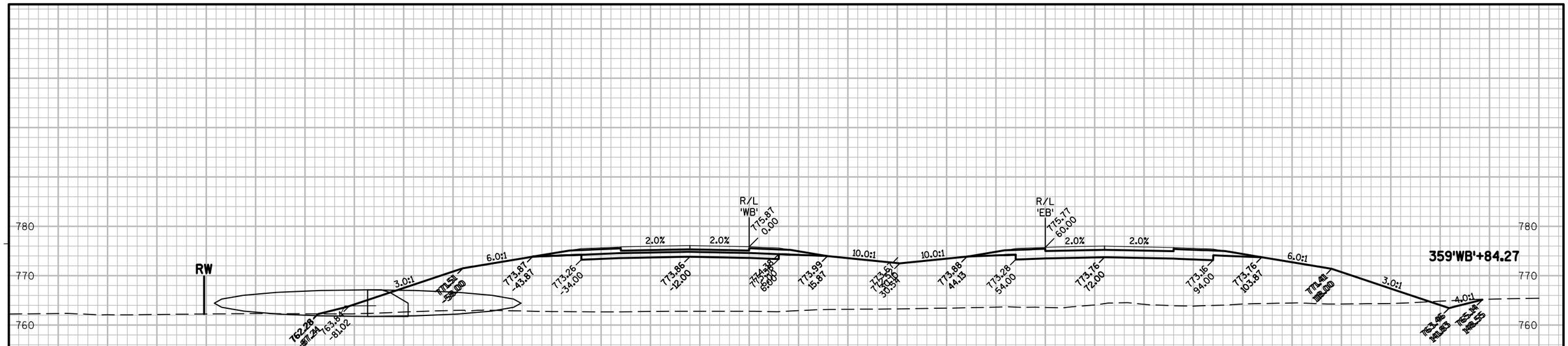
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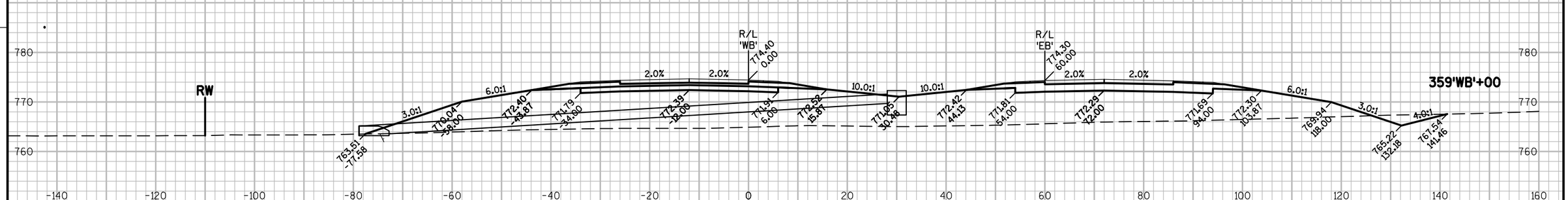
PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS - STH 15 'WB'	SHEET E

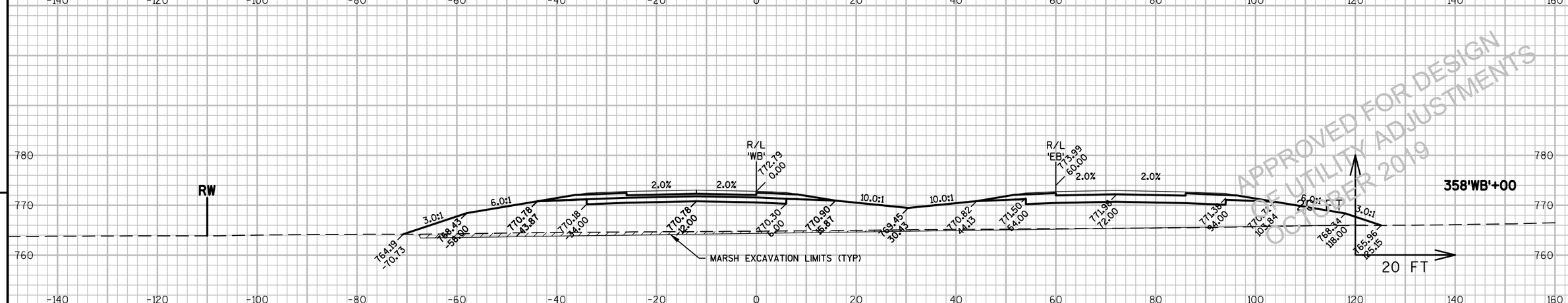
PRE_400

FILE NAME : N:\PDS\C3D\11467571\SHEETSPLAN\11467571\11467571_090301_XS_03_STH15.DWG
LAYOUT NAME - 090258_XS

PLOT DATE : 6/12/2019 12:04 PM PLOT BY : SIMMONS, MASON A PLOT NAME : PLOT SCALE : 1" = 20'_XREF



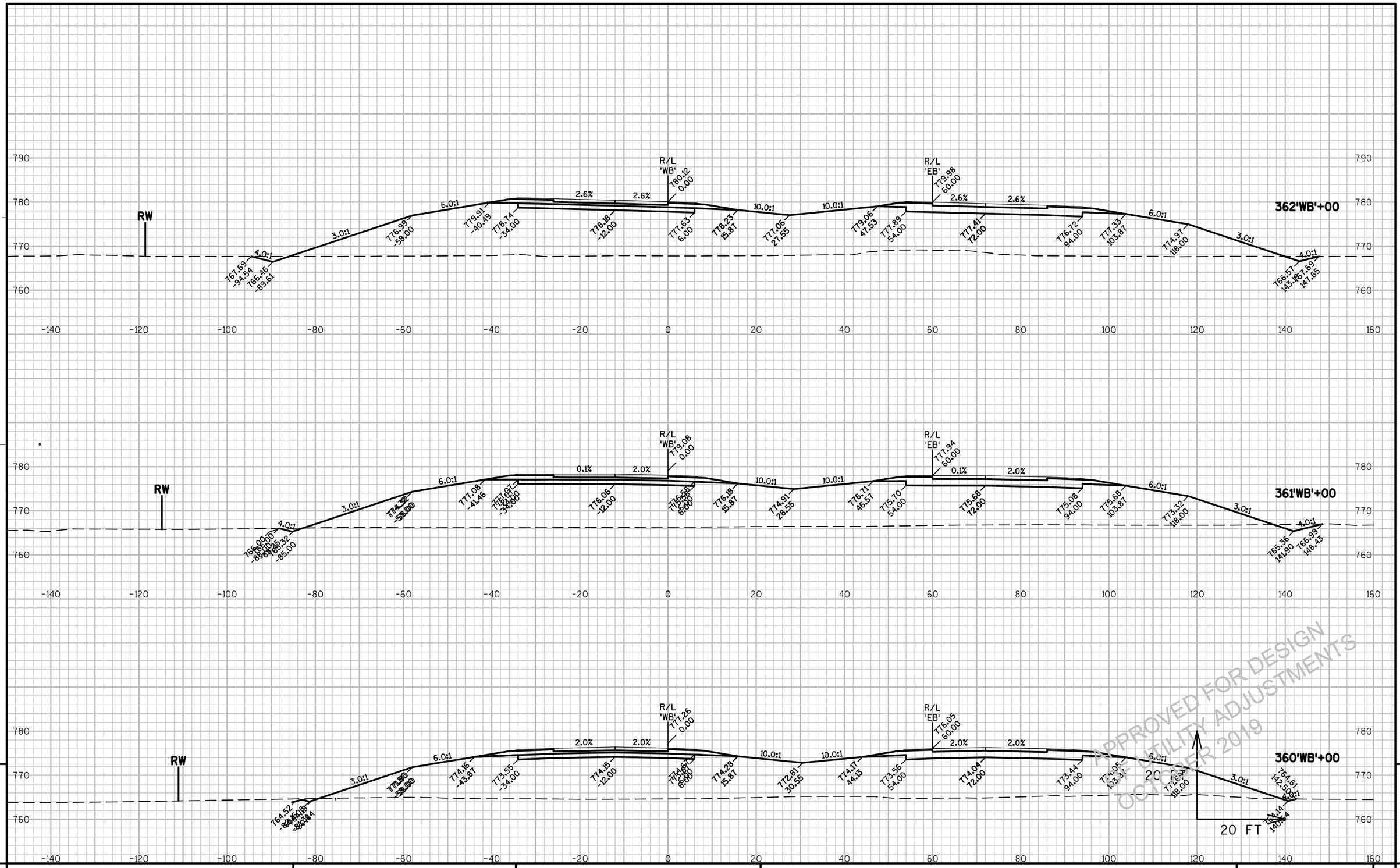




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PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS - STH 15 'WB'	SHEET E



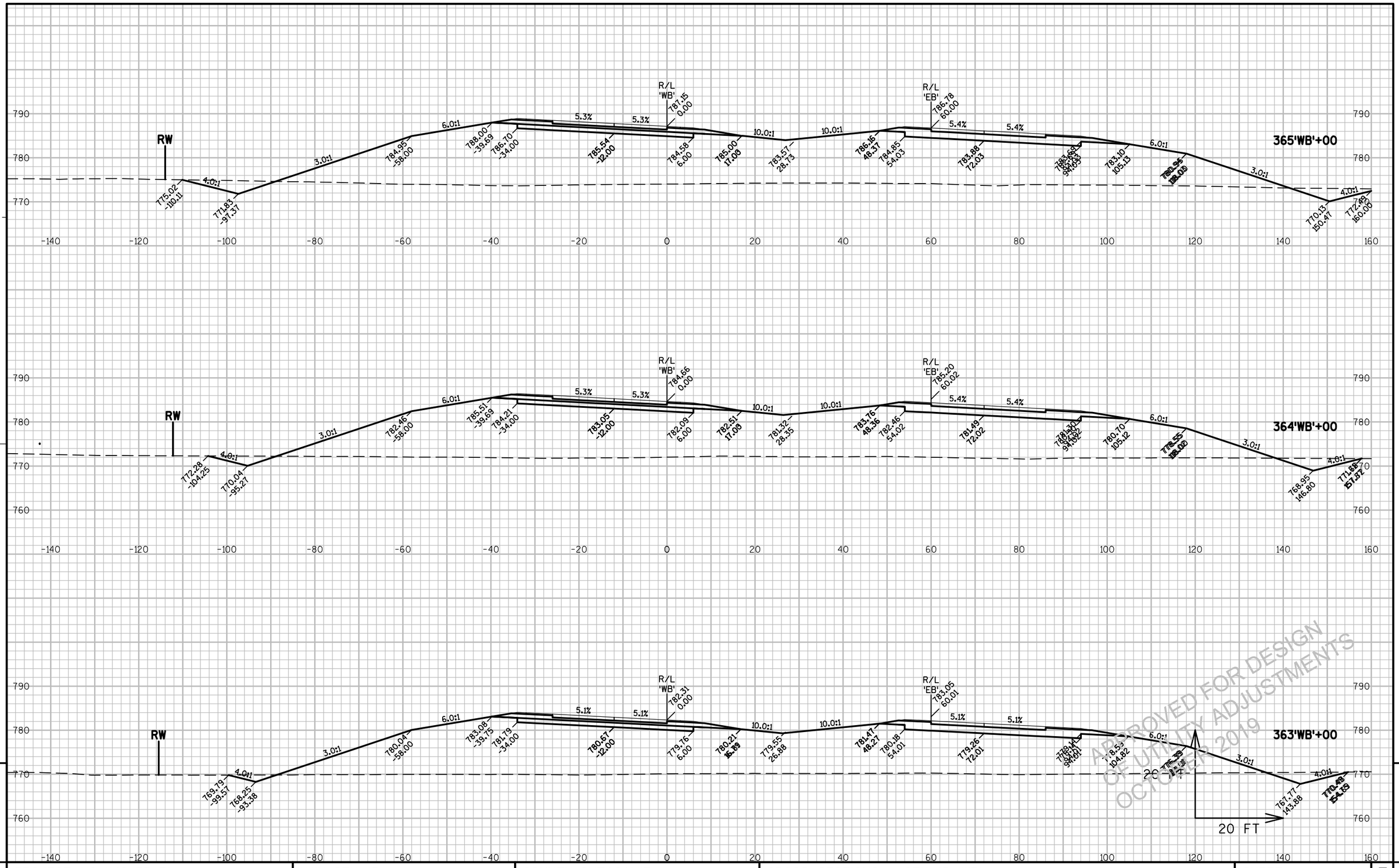
PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS - STH 15 'WB'	SHEET E

PRE_402

FILE NAME : N:\PDS\C3D\11467571\SHEETSPLAN\11467571\11467571_090301_XS_03_STH15.DWG
LAYOUT NAME - 090260_XS

PLOT DATE : 6/12/2019 12:05 PM PLOT BY : SIMMONS, MASON A PLOT NAME : PLOT SCALE : 1" = 20'_XREF

WISDOT/CADDS SHEET 49



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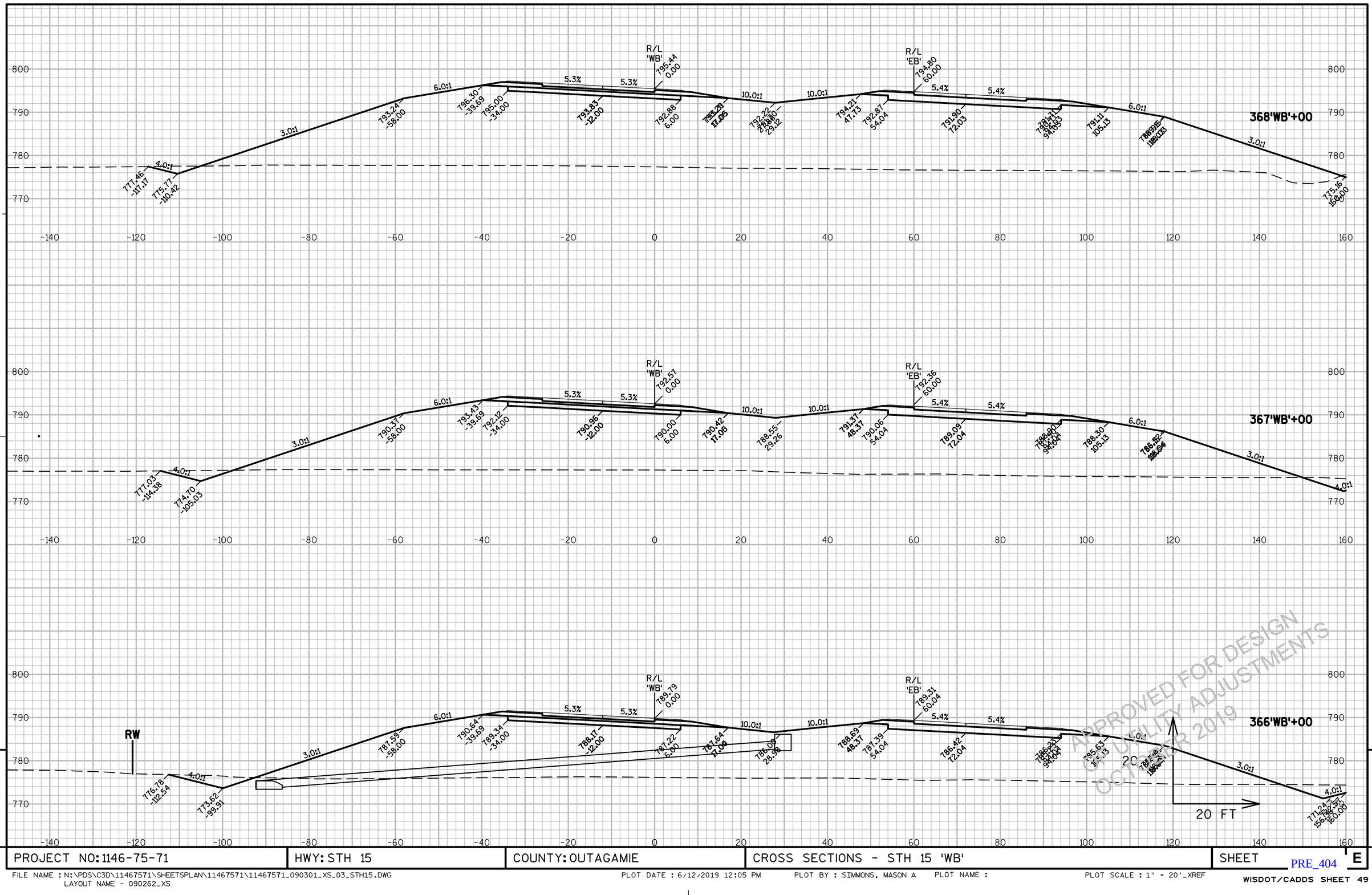
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PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS - STH 15 'WB'	SHEET E

PRE_403

FILE NAME : N:\PDS\C3D\11467571\SHEETSPLAN\11467571\11467571_090301_XS_03_STH15.DWG
LAYOUT NAME - 090261_XS

PLOT DATE : 6/12/2019 12:05 PM PLOT BY : SIMMONS, MASON A PLOT NAME : PLOT SCALE : 1" = 20'_XREF



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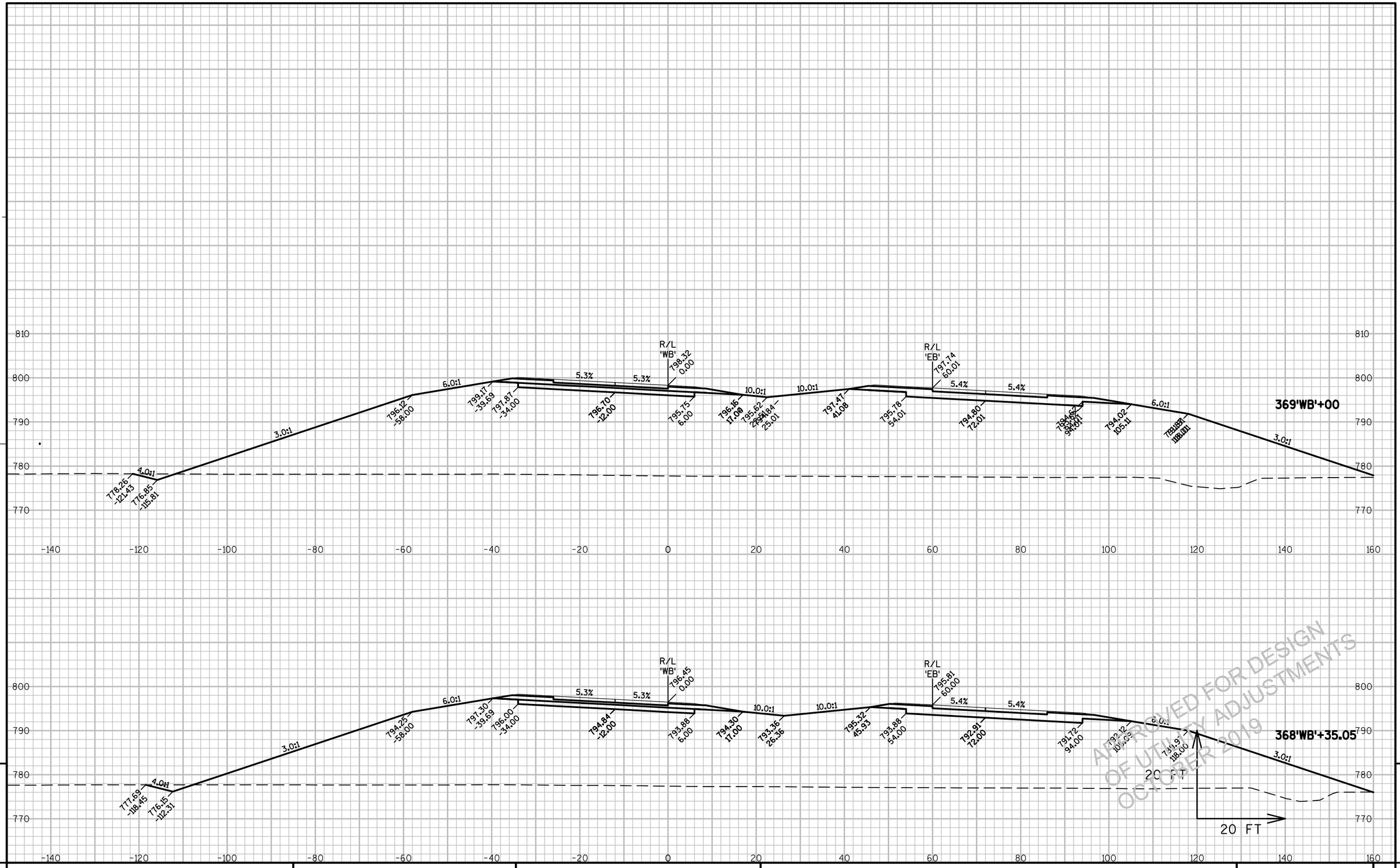
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PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS - STH 15 'WB'	SHEET E

PRE_404

FILE NAME : N:\PDS\C3D\11467571\SHEETSPLAN\11467571\11467571_090301_XS_03_STH15.DWG
LAYOUT NAME - 090262_XS

PLOT DATE : 6/12/2019 12:05 PM PLOT BY : SIMMONS, MASON A PLOT NAME : PLOT SCALE : 1" = 20'_XREF



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OF UTILITY ADJUSTMENTS
OCTOBER 2019

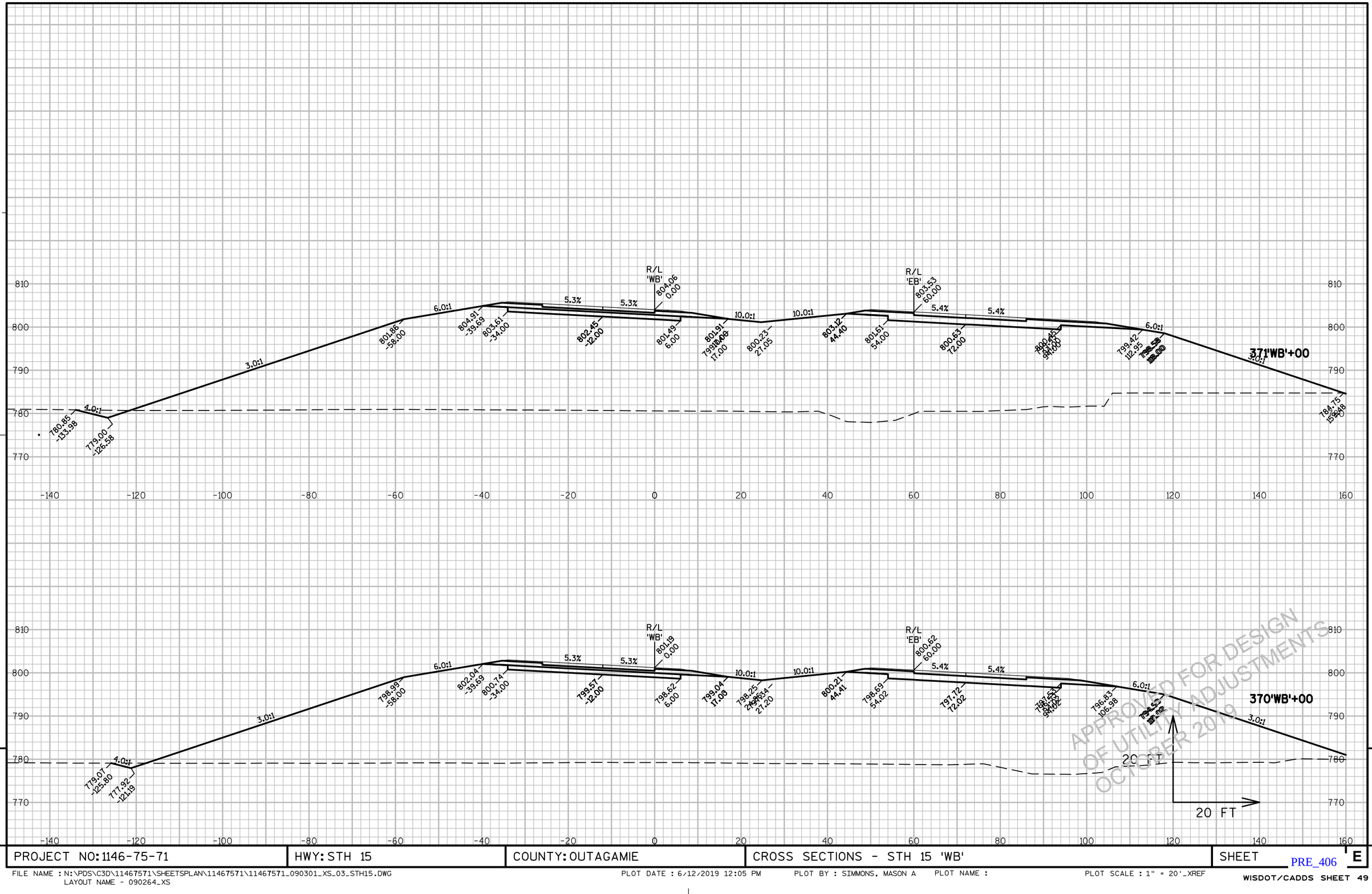
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PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS - STH 15 'WB'	SHEET E

PRE_405

FILE NAME : N:\PDS\C3D\11467571\SHEETSPLAN\11467571\11467571_090301_XS_03_STH15.DWG
LAYOUT NAME - 090263_XS

PLOT DATE : 6/12/2019 12:05 PM PLOT BY : SIMMONS, MASON A PLOT NAME : PLOT SCALE : 1" = 20'_XREF



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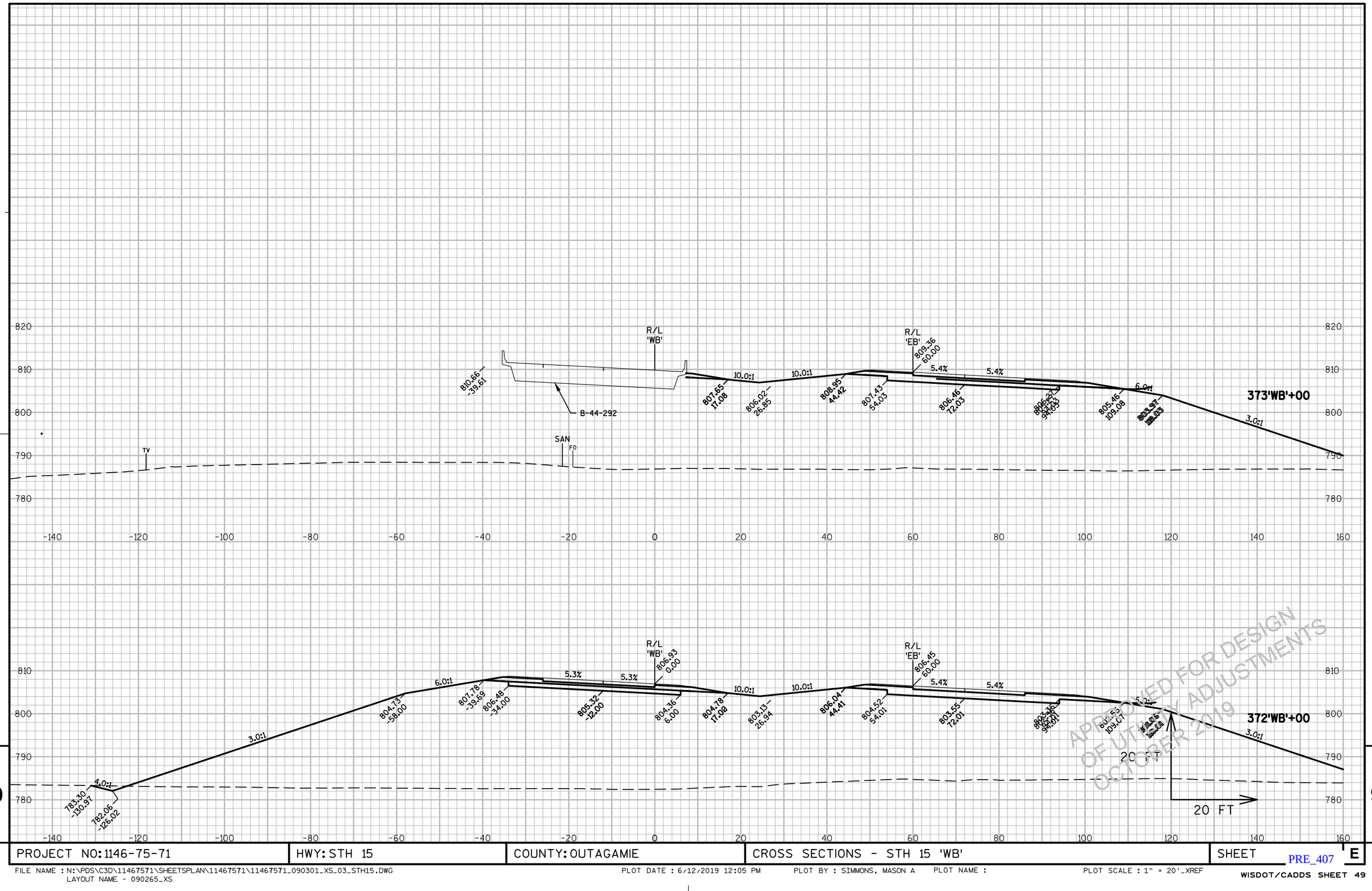
PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS - STH 15 'WB'	SHEET E

PRE_406

FILE NAME : N:\PDS\C3D\11467571\SHEETSPLAN\11467571\11467571_090301_XS_03_STH15.DWG
LAYOUT NAME - 090264_XS

PLOT DATE : 6/12/2019 12:05 PM PLOT BY : SIMMONS, MASON A PLOT NAME : PLOT SCALE : 1" = 20'_XREF

WISDOT/CADDS SHEET 49



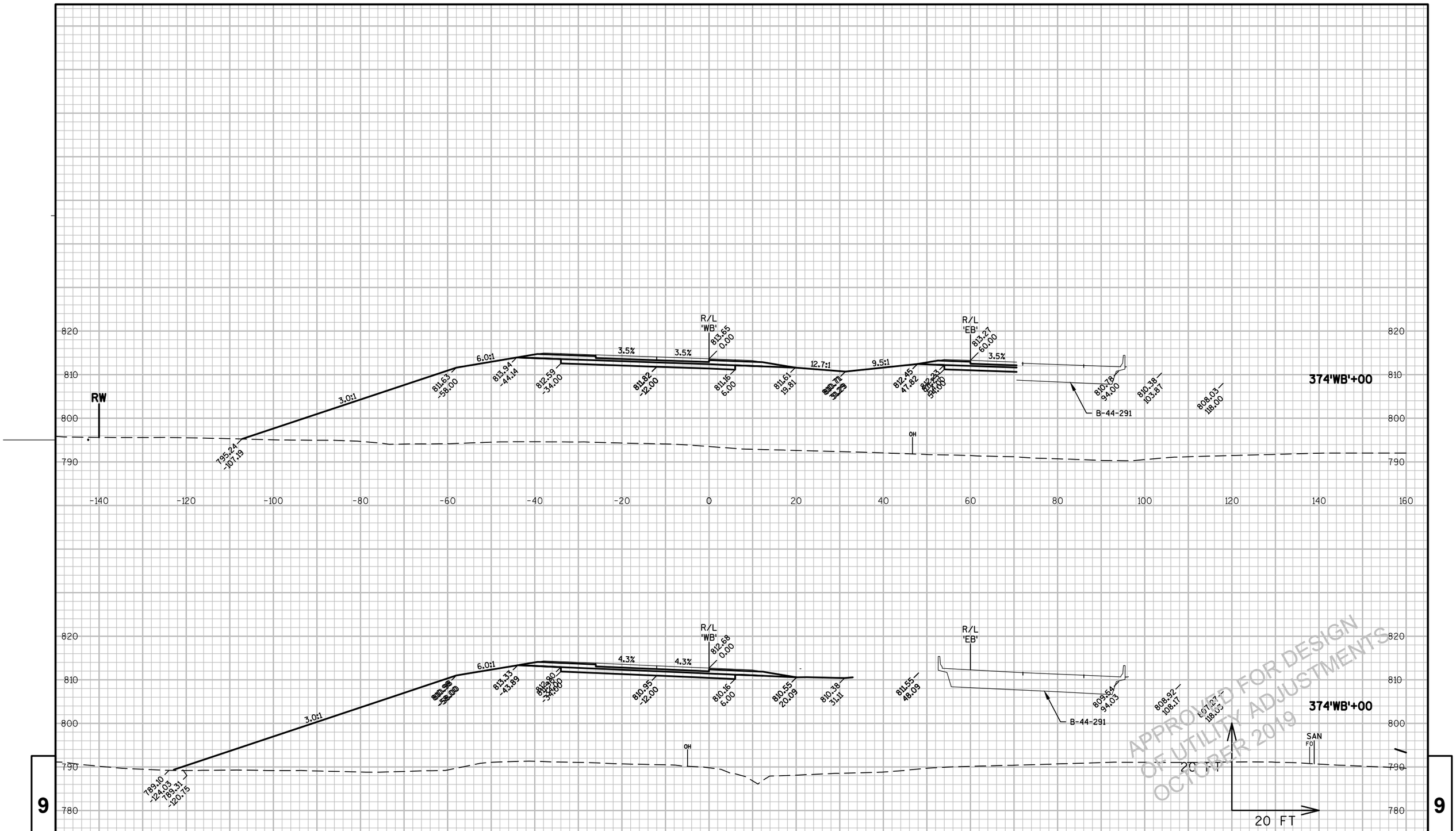
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PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS - STH 15 'WB'	SHEET E

PRE_407

FILE NAME : N:\PDS\C3D\11467571\SHEETSPLAN\11467571\11467571_090301_XS_03_STH15.DWG
LAYOUT NAME - 090265_XS

PLOT DATE : 6/12/2019 12:05 PM PLOT BY : SIMMONS, MASON A PLOT NAME : PLOT SCALE : 1" = 20'_XREF



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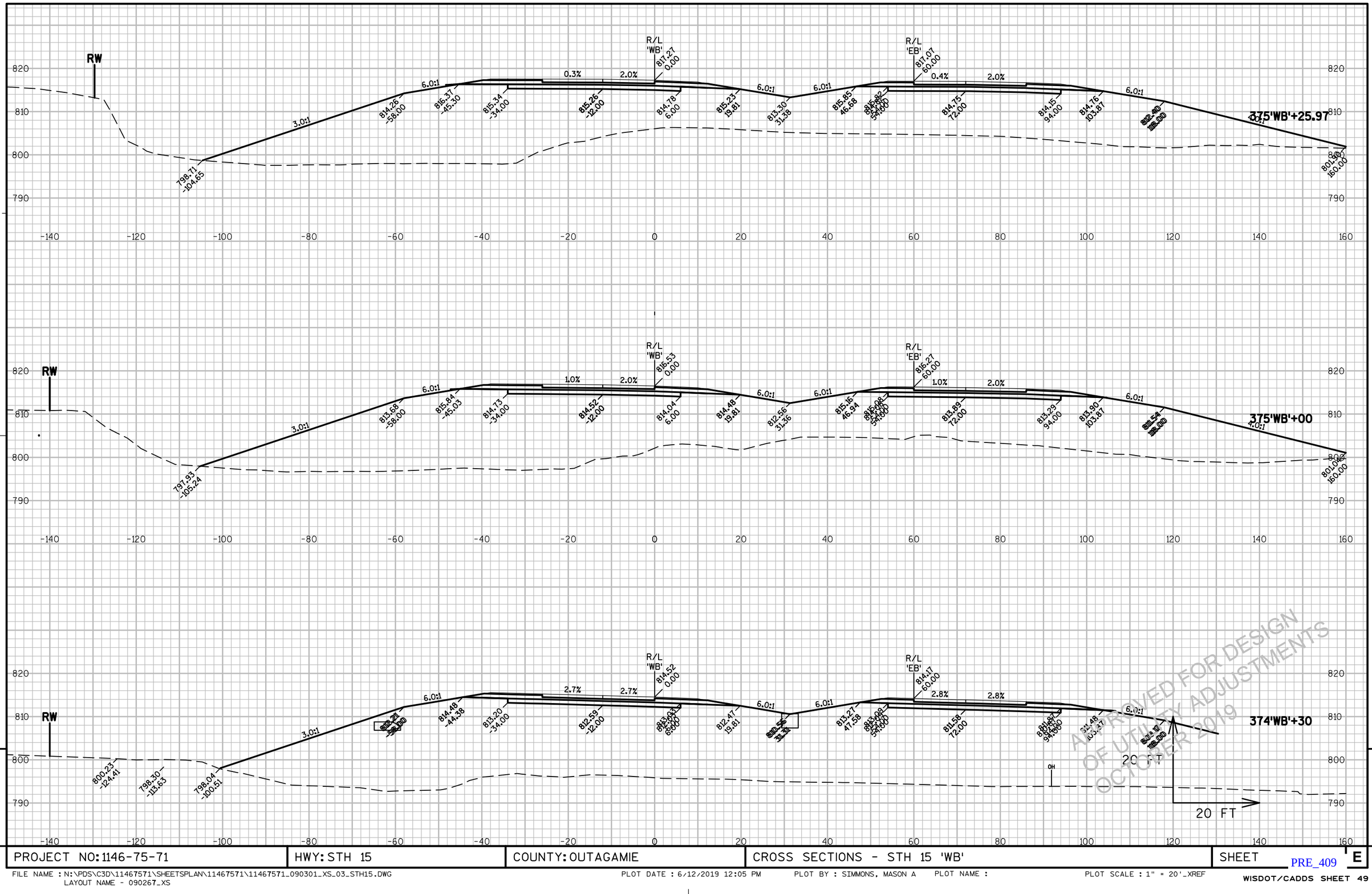
PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS - STH 15 'WB'	SHEET E

PRE_408

FILE NAME : N:\PDS\C3D\11467571\SHEETSPLAN\11467571\11467571_090301_XS_03_STH15.DWG
LAYOUT NAME - 090266_XS

PLOT DATE : 6/12/2019 12:05 PM PLOT BY : SIMMONS, MASON A PLOT NAME : PLOT SCALE : 1" = 20'_XREF

WISDOT/CADDS SHEET 49



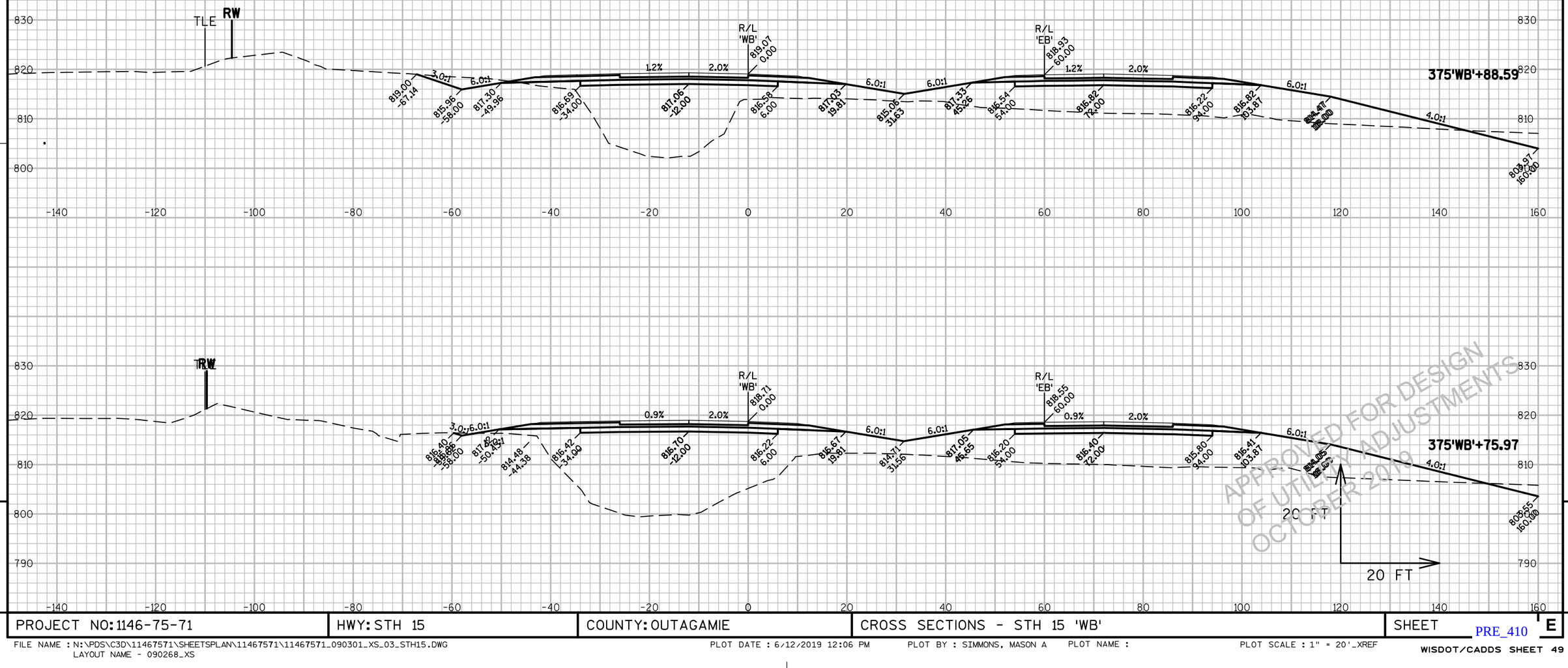
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PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS - STH 15 'WB'	SHEET E

FILE NAME : N:\PDS\C3D\11467571\SHEETSPLAN\11467571\11467571_090301_XS_03_STH15.DWG
LAYOUT NAME - 090267_XS

PLOT DATE : 6/12/2019 12:05 PM PLOT BY : SIMMONS, MASON A PLOT NAME : PLOT SCALE : 1" = 20'_XREF



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OF UTILITY ADJUSTMENTS
OCTOBER 2019

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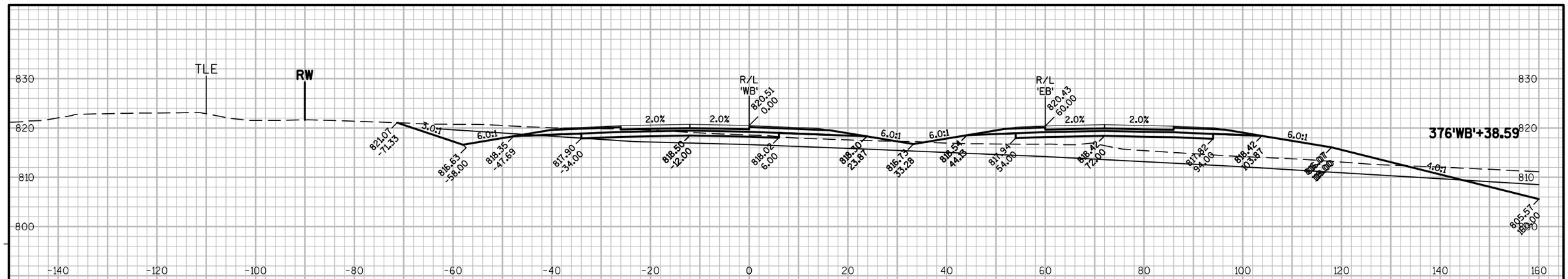
PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS - STH 15 'WB'	SHEET E

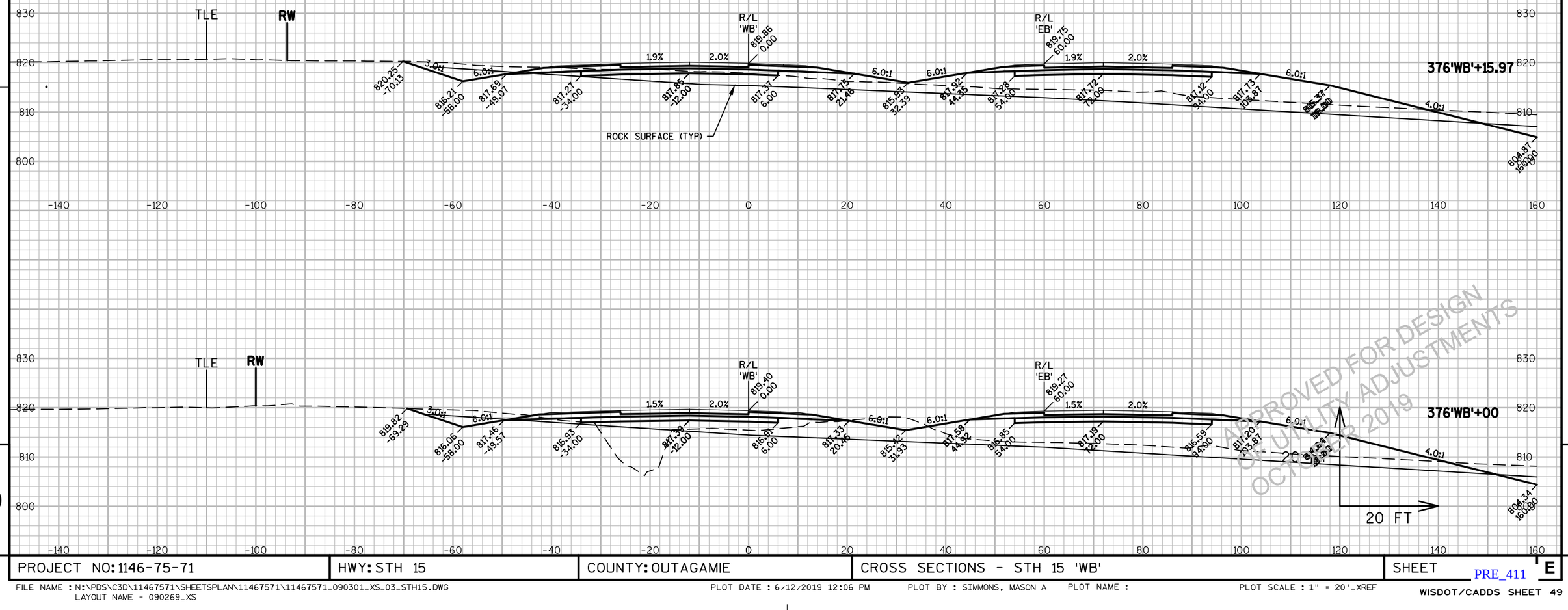
PRE_410

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LAYOUT NAME - 090268_XS

PLOT DATE : 6/12/2019 12:06 PM PLOT BY : SIMMONS, MASON A PLOT NAME : PLOT SCALE : 1" = 20'_XREF

WISDOT/CADDS SHEET 49



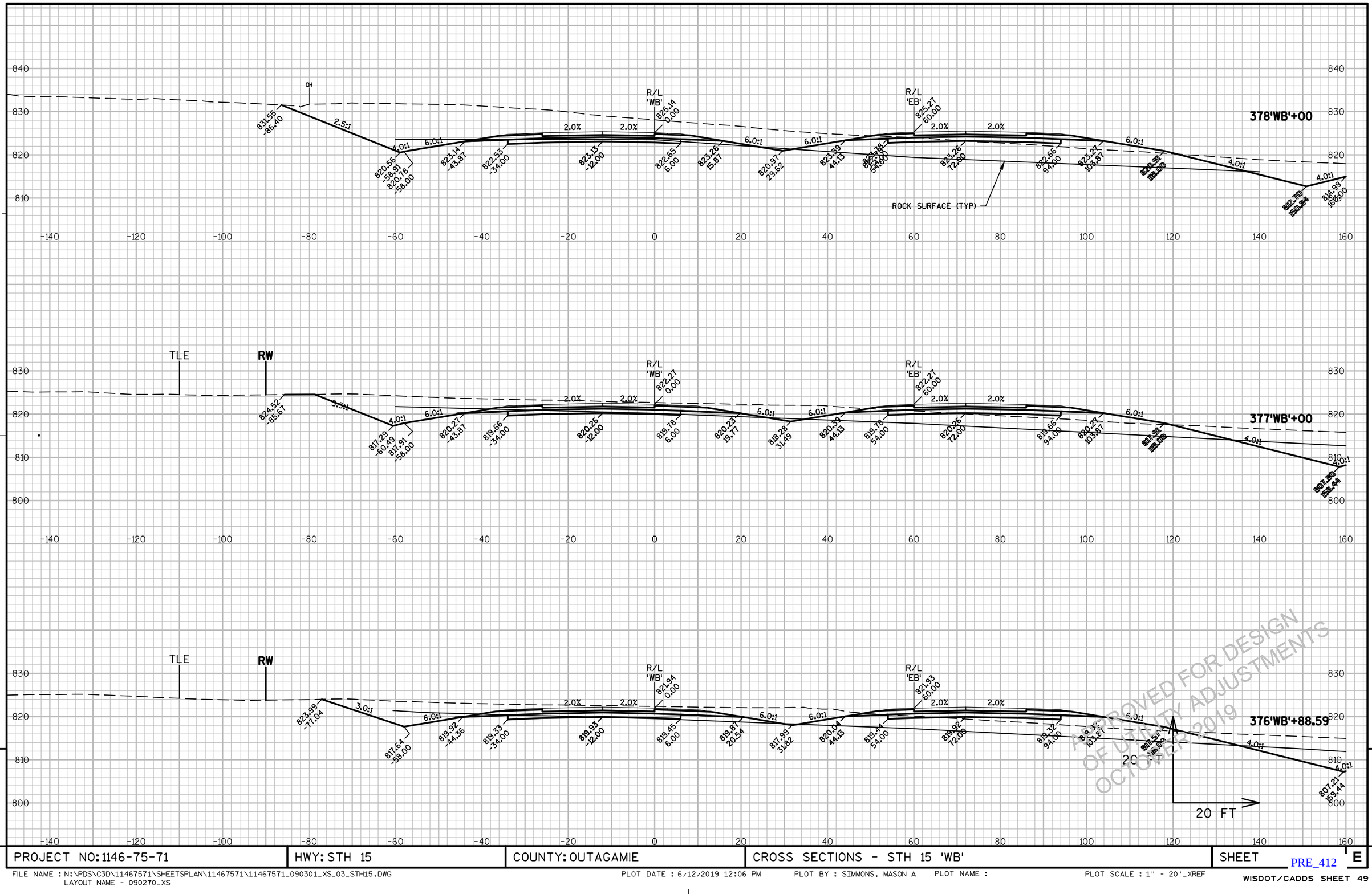


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OCTOBER 2019

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PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS - STH 15 'WB'	SHEET E



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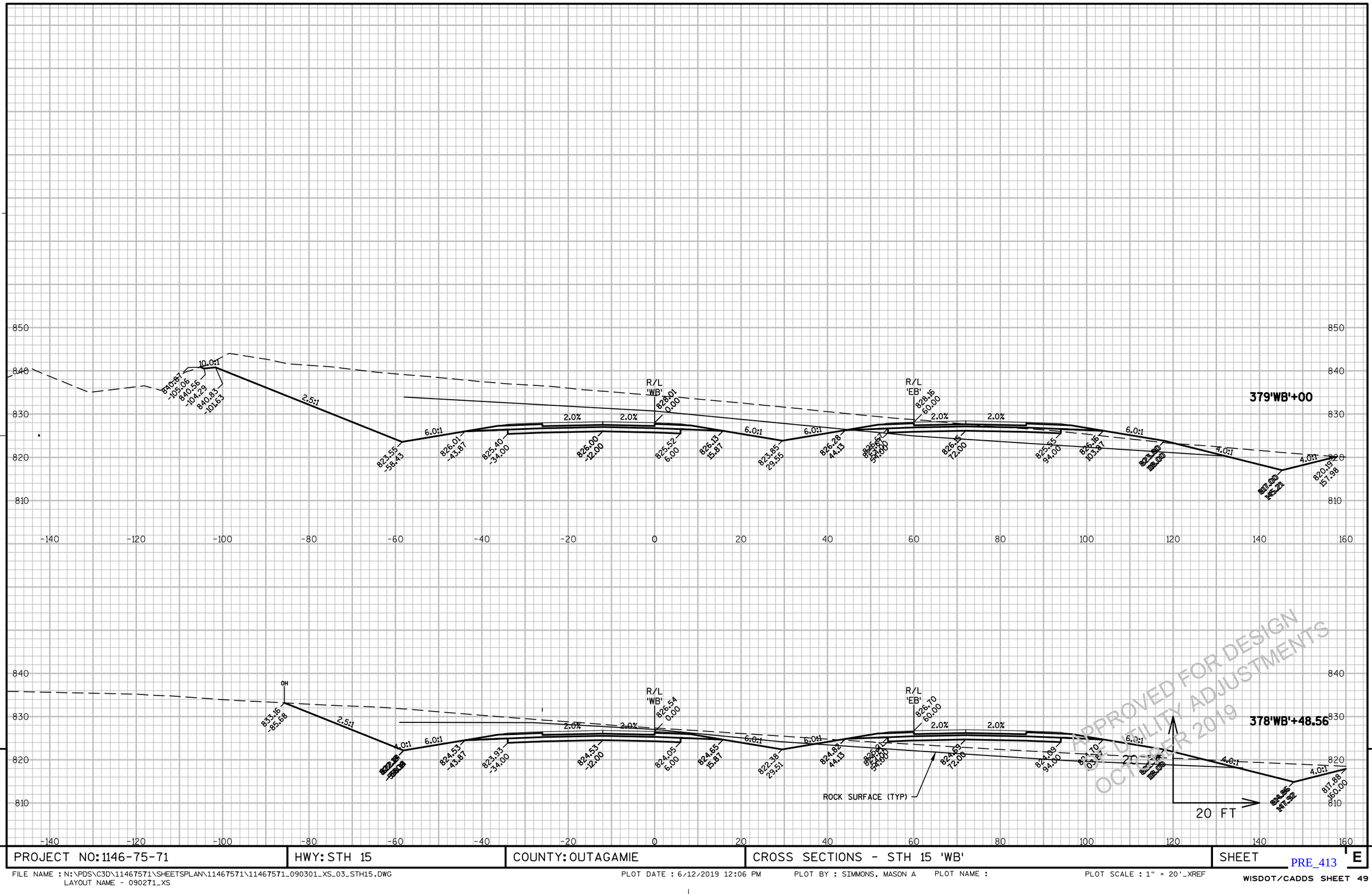
PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS - STH 15 'WB'	SHEET E

PRE_412

FILE NAME : N:\PDS\C3D\11467571\SHEETSPLAN\11467571\11467571_090301_XS_03_STH15.DWG
LAYOUT NAME - 090270_XS

PLOT DATE : 6/12/2019 12:06 PM PLOT BY : SIMMONS, MASON A PLOT NAME : PLOT SCALE : 1" = 20'_XREF

WISDOT/CADDS SHEET 49



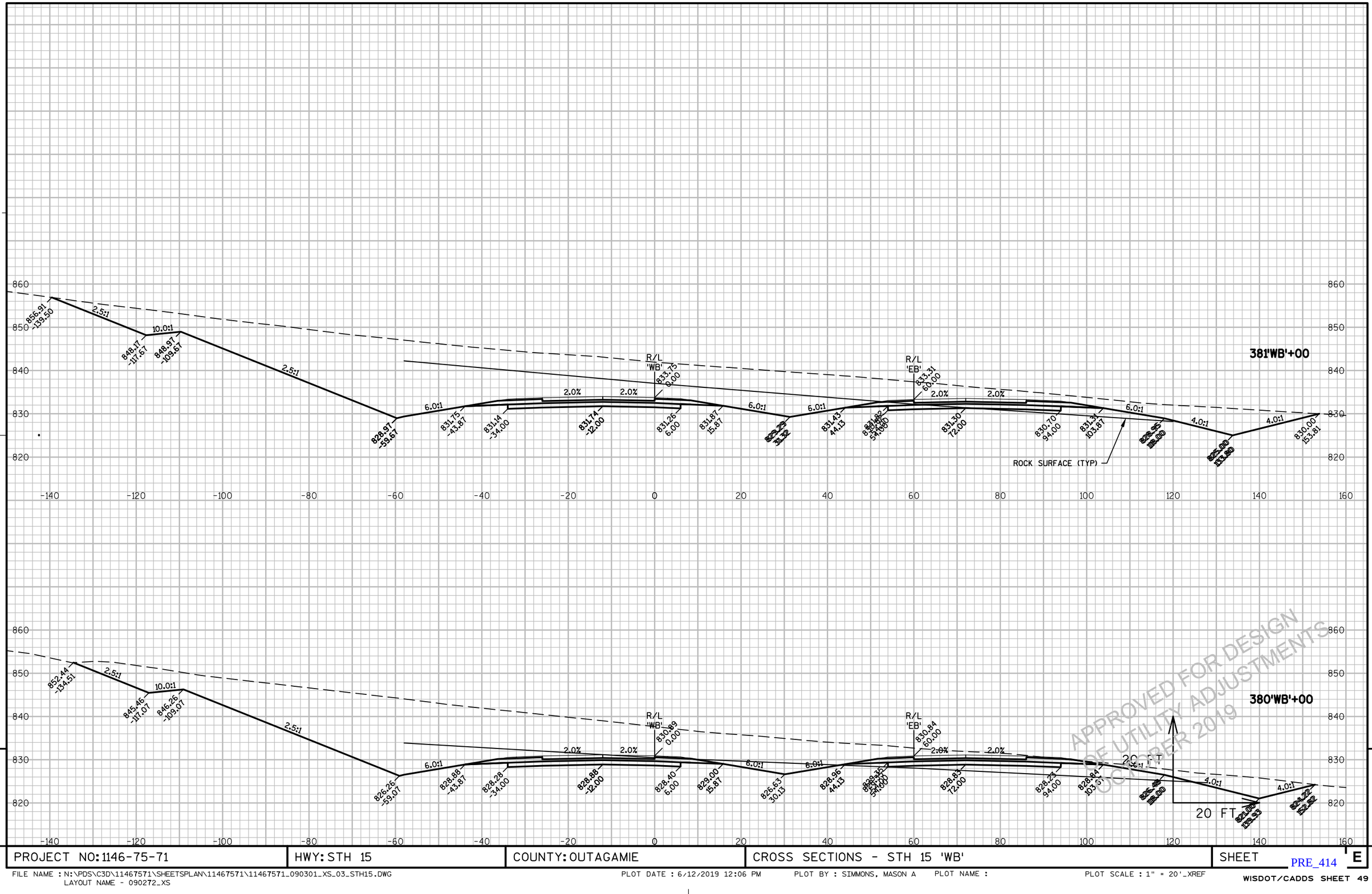
PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS - STH 15 'WB'	SHEET E

PRE_413

FILE NAME : N:\PDS\C3D\11467571\SHEETSPLAN\11467571\11467571_090301_XS_03_STH15.DWG
LAYOUT NAME - 090271_XS

PLOT DATE : 6/12/2019 12:06 PM PLOT BY : SIMMONS, MASON A PLOT NAME : PLOT SCALE : 1" = 20'_XREF

WISDOT/CADDS SHEET 49



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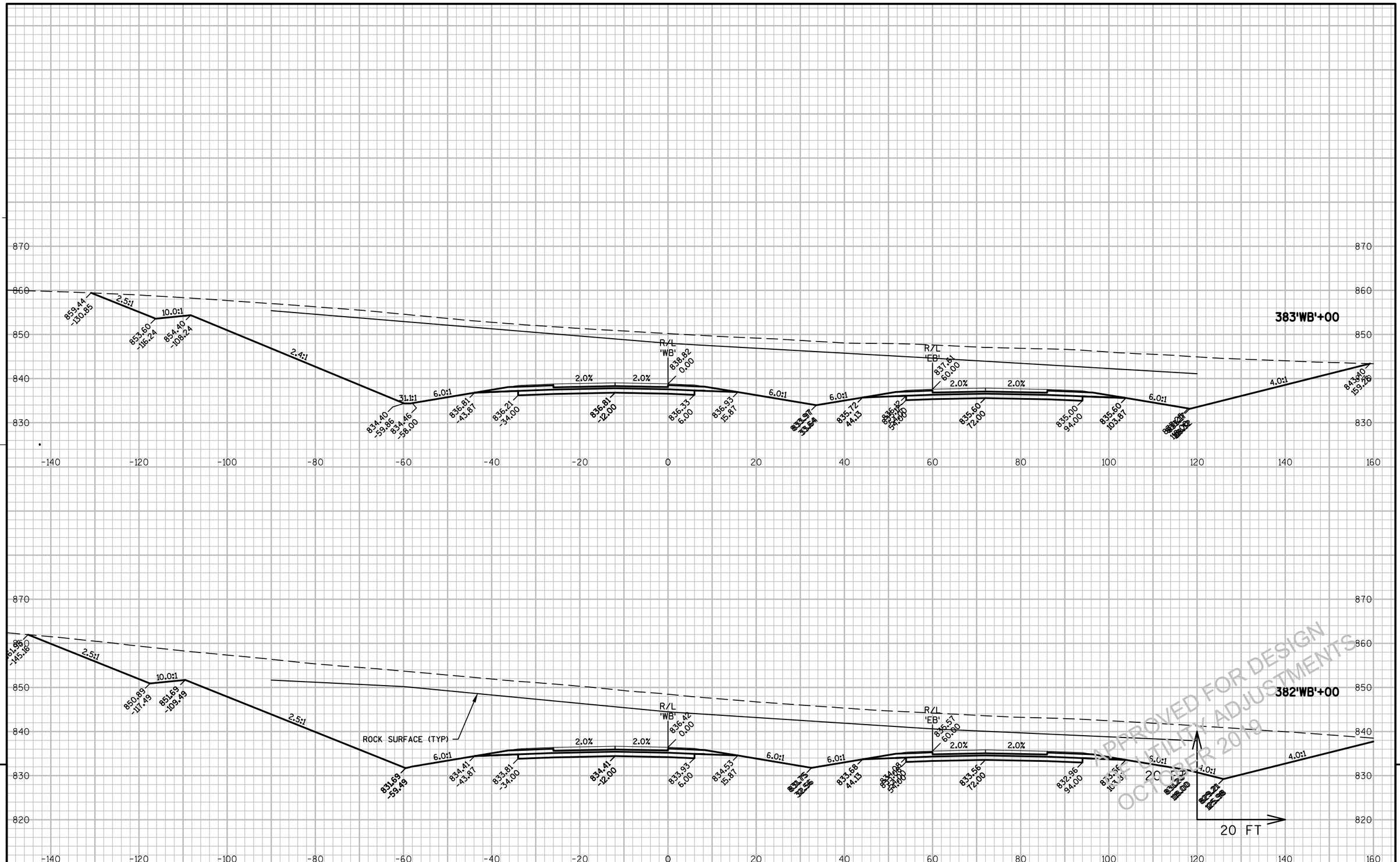
PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS - STH 15 'WB'	SHEET E

PRE_414

FILE NAME : N:\PDS\C3D\11467571\SHEETSPLAN\11467571\11467571_090301_XS_03_STH15.DWG
LAYOUT NAME - 090272_XS

PLOT DATE : 6/12/2019 12:06 PM PLOT BY : SIMMONS, MASON A PLOT NAME : PLOT SCALE : 1" = 20'_XREF

WISDOT/CADDS SHEET 49



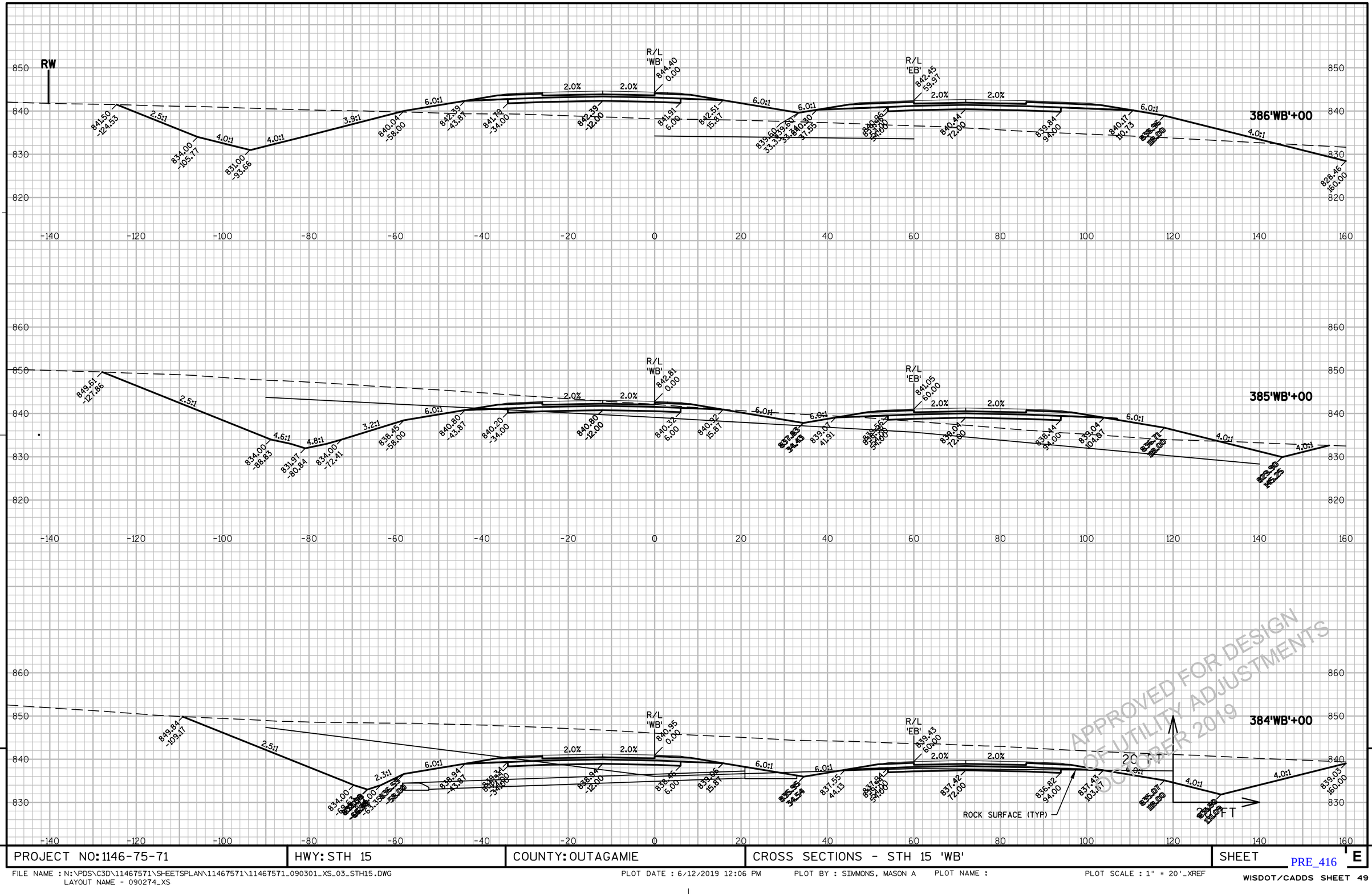
PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS - STH 15 'WB'	SHEET E

PRE_415

FILE NAME : N:\PDS\C3D\11467571\SHEETSPLAN\11467571\11467571_090301_XS_03_STH15.DWG
LAYOUT NAME - 090273_XS

PLOT DATE : 6/12/2019 12:06 PM PLOT BY : SIMMONS, MASON A PLOT NAME : PLOT SCALE : 1" = 20'_XREF

WISDOT/CADDS SHEET 49

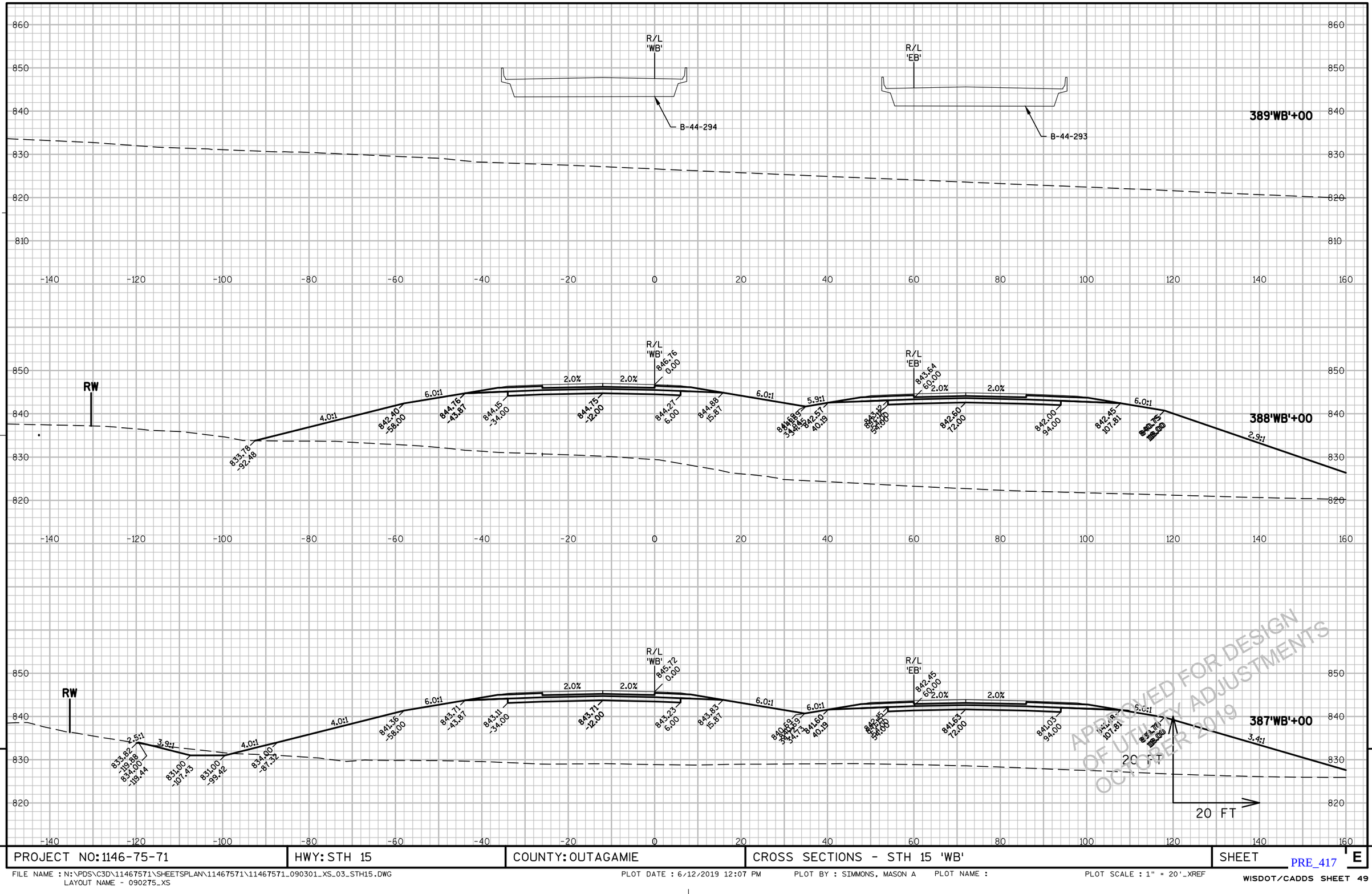


PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS - STH 15 'WB'	SHEET E

PRE_416

FILE NAME : N:\PDS\C3D\11467571\SHEETSPLAN\11467571\11467571_090301_XS_03_STH15.DWG
LAYOUT NAME - 090274_XS

PLOT DATE : 6/12/2019 12:06 PM PLOT BY : SIMMONS, MASON A PLOT NAME : PLOT SCALE : 1" = 20'_XREF



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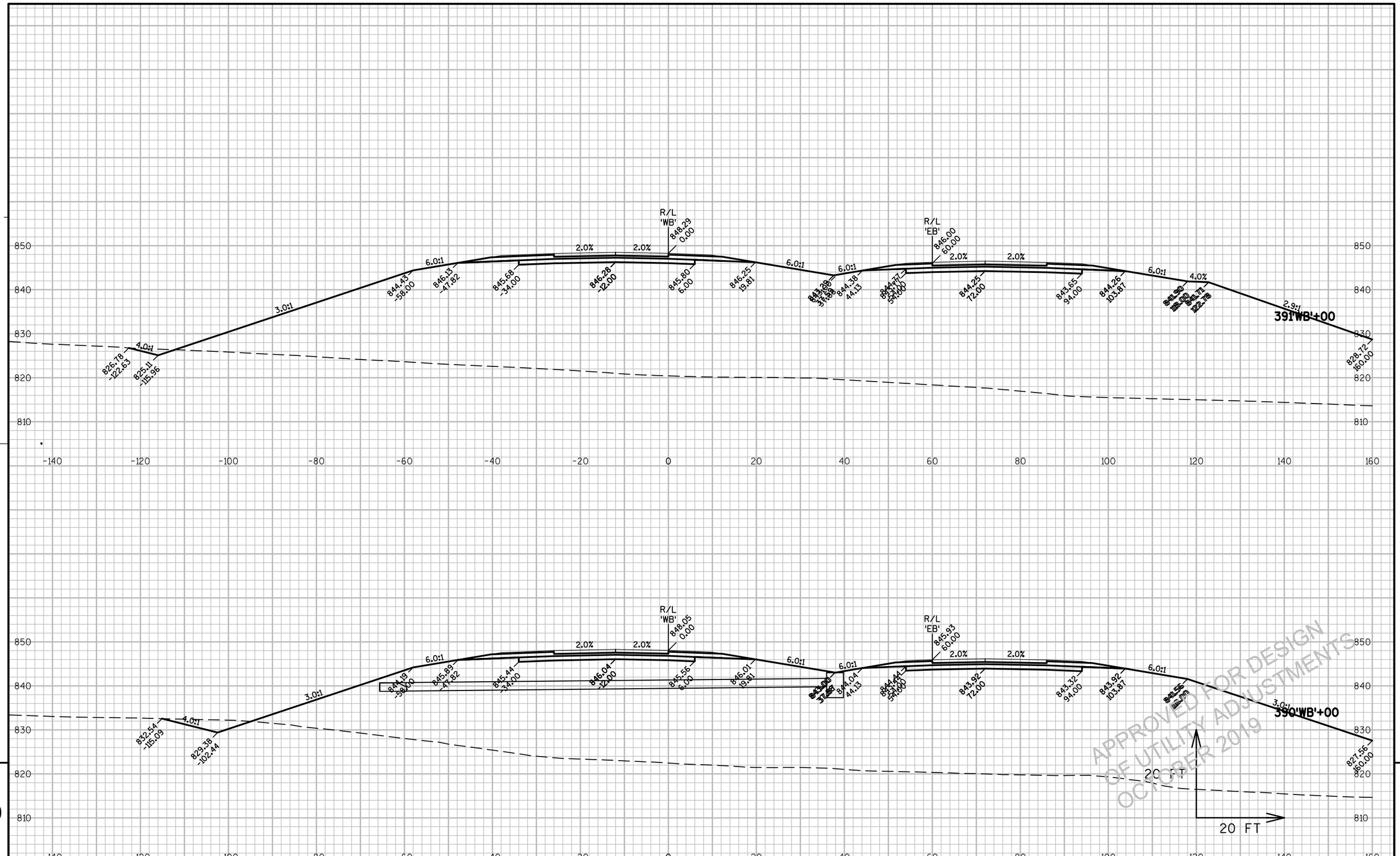
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PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS - STH 15 'WB'	SHEET E

FILE NAME : N:\PDS\C3D\11467571\SHEETSPLAN\11467571\11467571_090301_XS_03_STH15.DWG
LAYOUT NAME - 090275_XS

PLOT DATE : 6/12/2019 12:07 PM PLOT BY : SIMMONS, MASON A PLOT NAME : PLOT SCALE : 1" = 20'_XREF



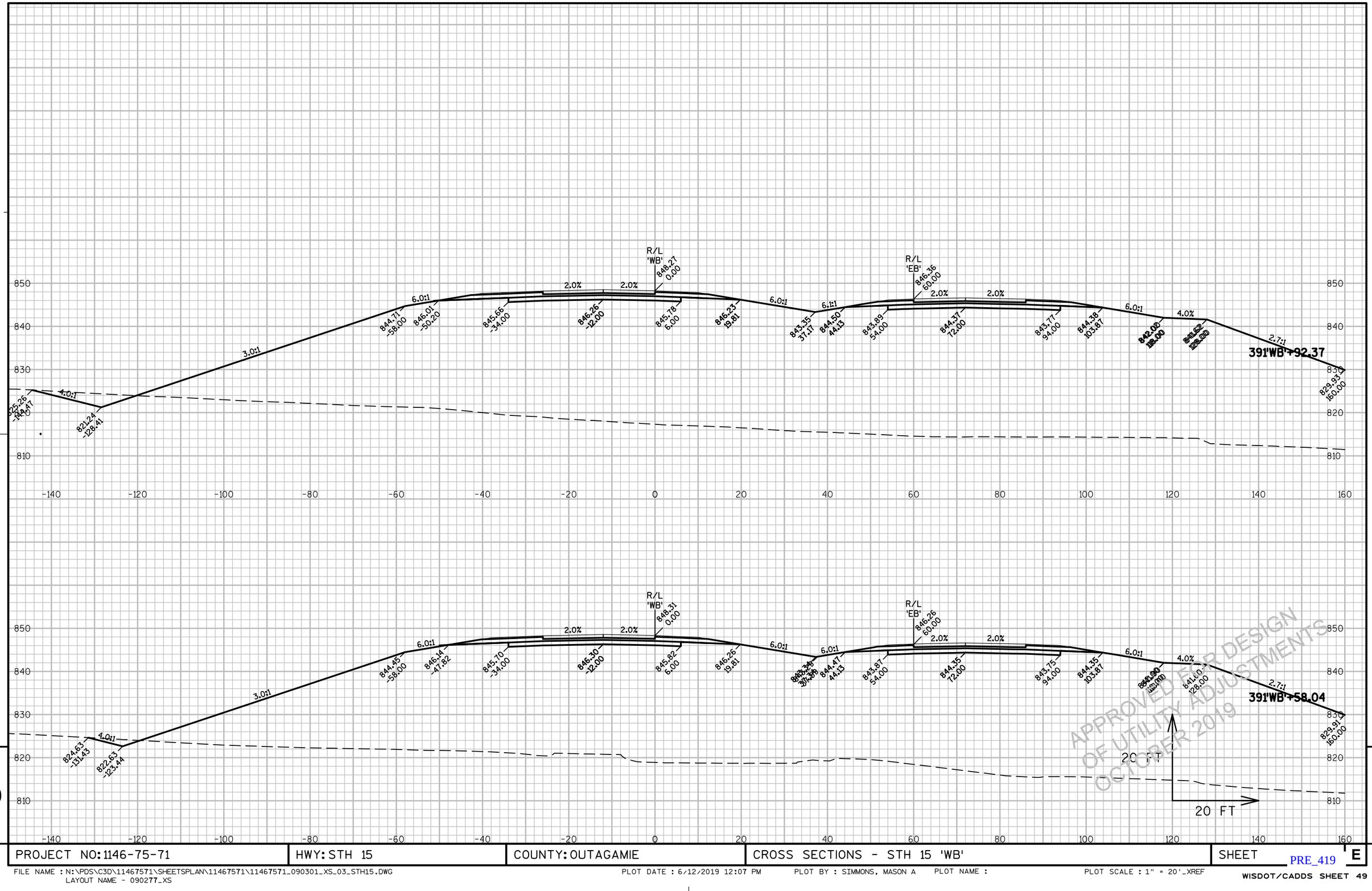
PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS - STH 15 'WB'	SHEET E

PRE_418

FILE NAME : N:\PDS\C3D\11467571\SHEETSPLAN\11467571\11467571_090301_XS_03_STH15.DWG
LAYOUT NAME - 090276_XS

PLOT DATE : 6/12/2019 12:07 PM PLOT BY : SIMMONS, MASON A PLOT NAME : PLOT SCALE : 1" = 20'_XREF

WISDOT/CADDS SHEET 49



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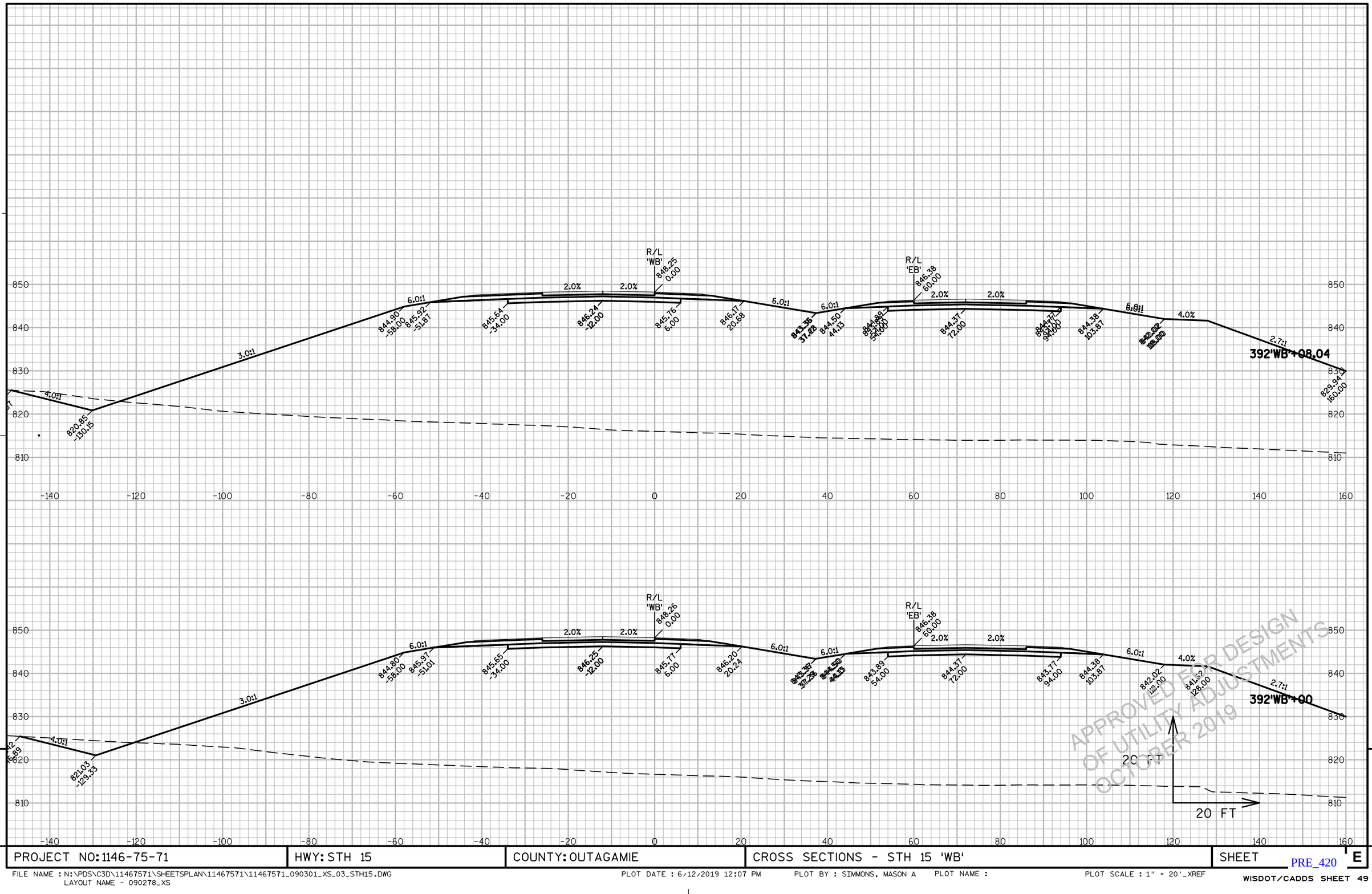
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PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS - STH 15 'WB'	SHEET E

PRE_419

FILE NAME : N:\PDS\C3D\11467571\SHEETSPLAN\11467571\11467571_090301_XS_03_STH15.DWG
LAYOUT NAME - 090277_XS

PLOT DATE : 6/12/2019 12:07 PM PLOT BY : SIMMONS, MASON A PLOT NAME : PLOT SCALE : 1" = 20'_XREF

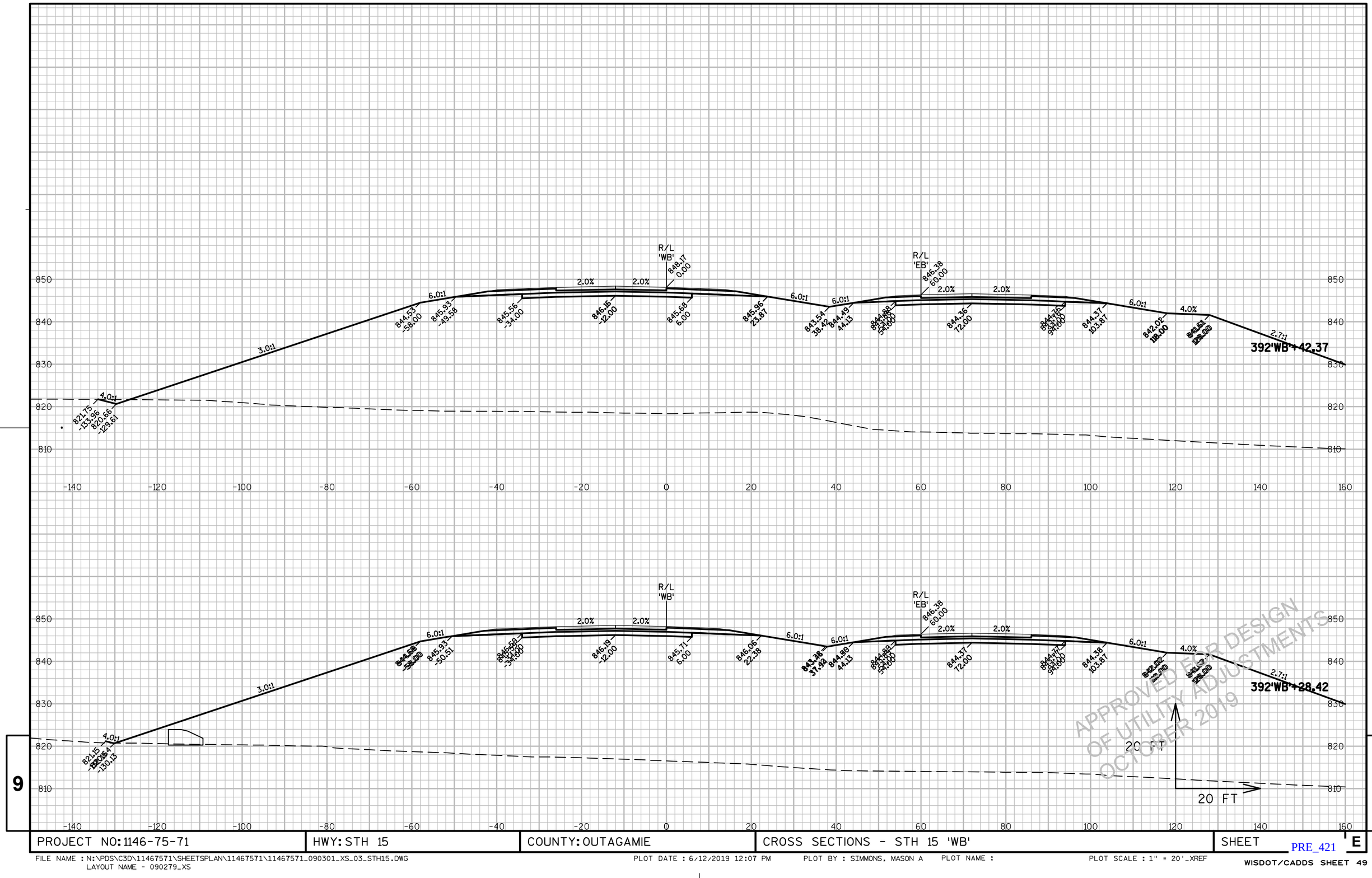


PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS - STH 15 'WB'	SHEET E

PRE_420

FILE NAME : N:\PDS\C3D\11467571\SHEETSPLAN\11467571\11467571_090301_XS_03_STH15.DWG
LAYOUT NAME - 090278_XS

PLOT DATE : 6/12/2019 12:07 PM PLOT BY : SIMMONS, MASON A PLOT NAME : PLOT SCALE : 1" = 20'_XREF



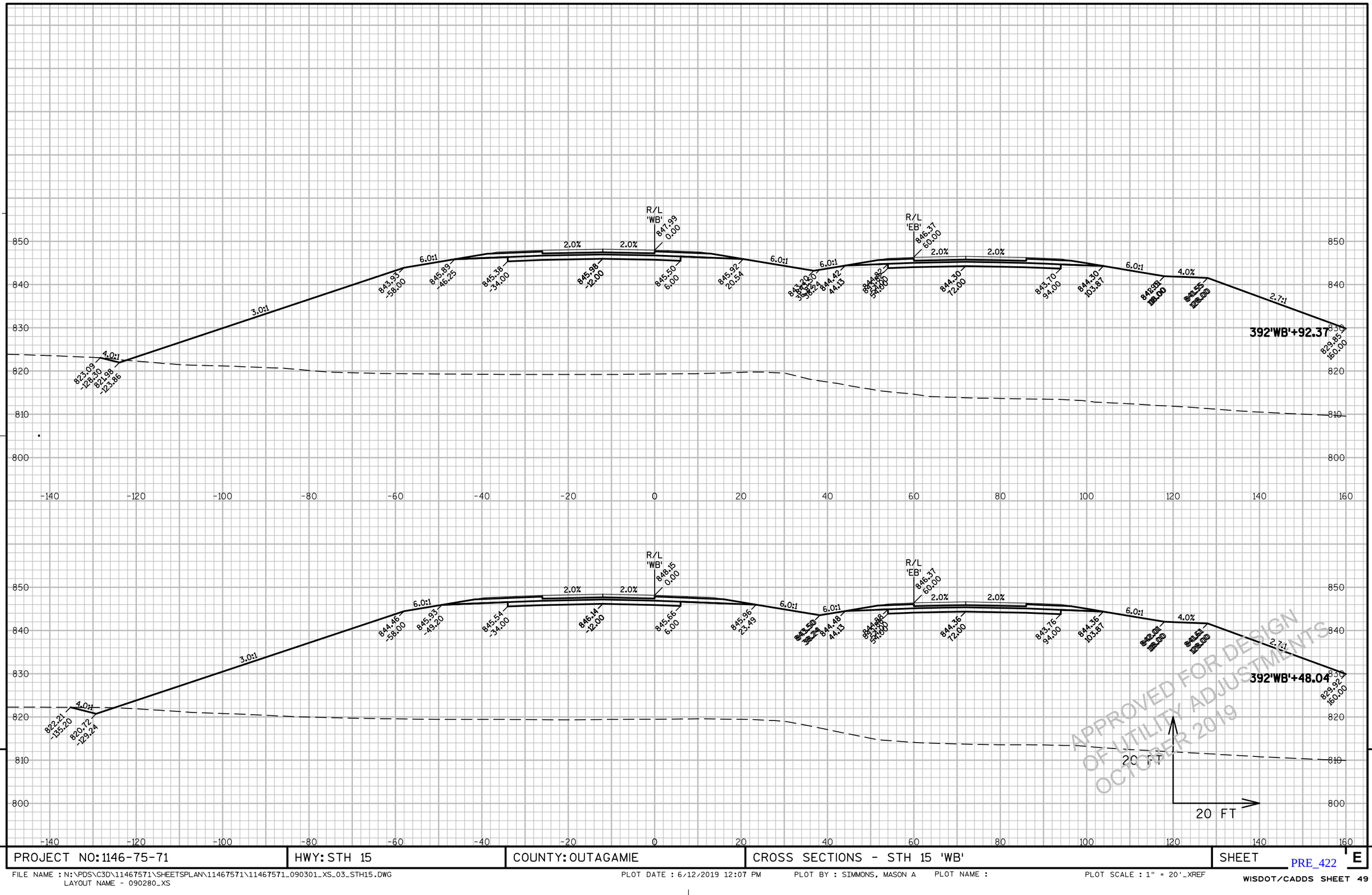
PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS - STH 15 'WB'	SHEET E

PRE_421

FILE NAME : N:\PDS\C3D\11467571\SHEETSPLAN\11467571\11467571_090301_XS_03_STH15.DWG
LAYOUT NAME - 090279_XS

PLOT DATE : 6/12/2019 12:07 PM PLOT BY : SIMMONS, MASON A PLOT NAME : PLOT SCALE : 1" = 20'_XREF

WISDOT/CADDS SHEET 49



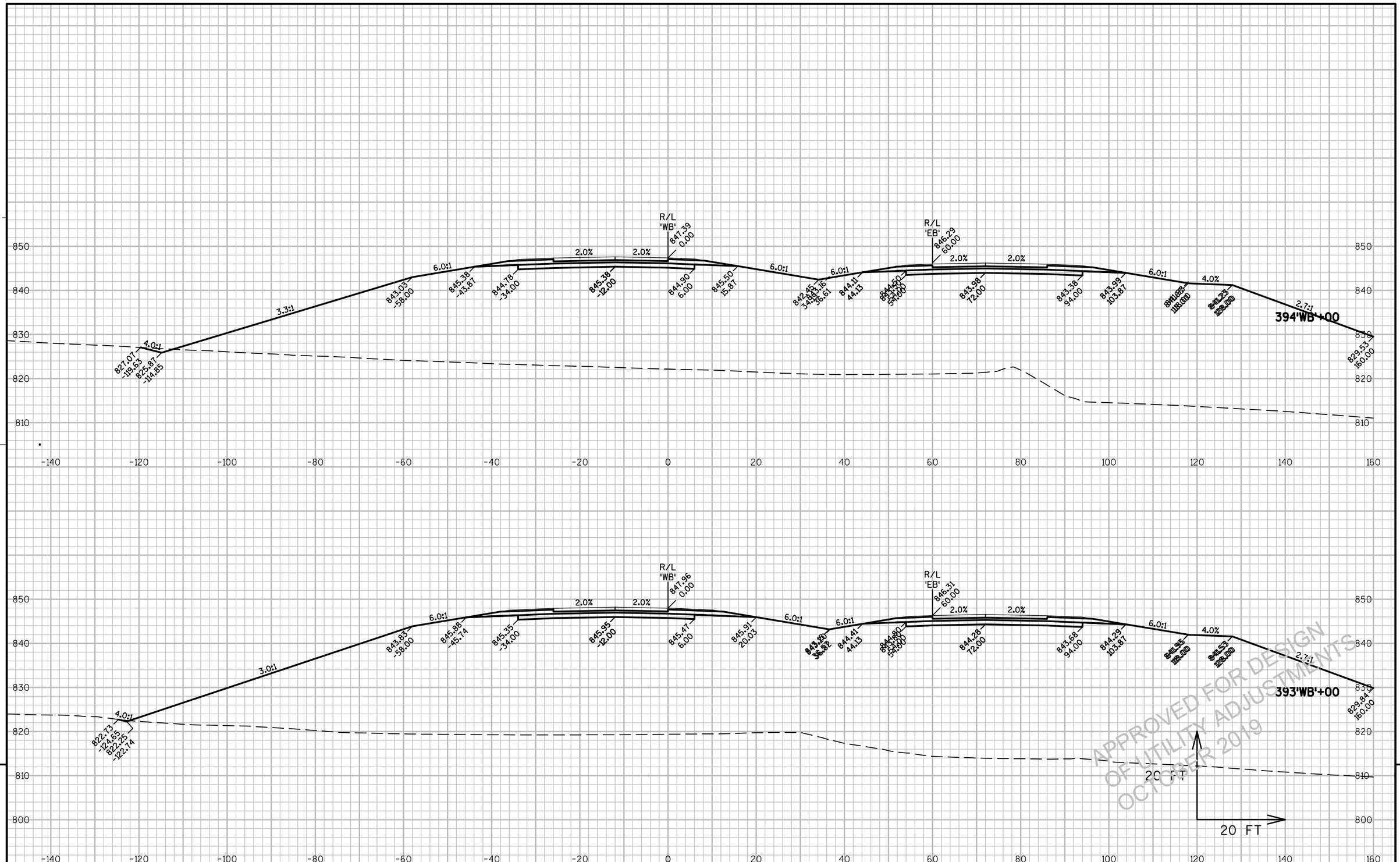
PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS - STH 15 'WB'	SHEET E

PRE_422

FILE NAME : N:\PDS\C3D\11467571\SHEETSPLAN\11467571\11467571_090301_XS_03_STH15.DWG
LAYOUT NAME - 090280_XS

PLOT DATE : 6/12/2019 12:07 PM PLOT BY : SIMMONS, MASON A PLOT NAME : PLOT SCALE : 1" = 20'_XREF

WISDOT/CADDS SHEET 49



9

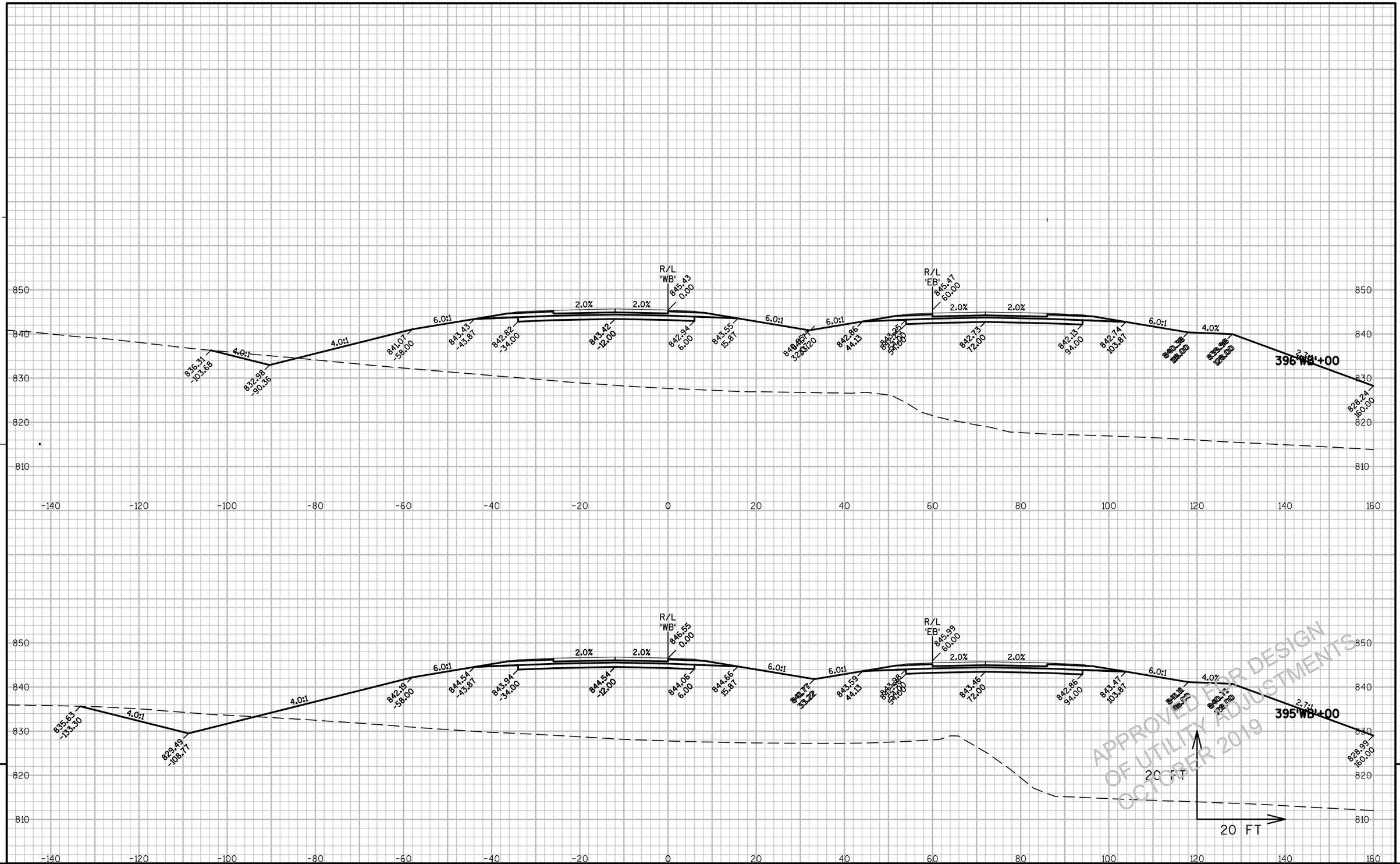
PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS - STH 15 'WB'	SHEET E

PRE_423

FILE NAME : N:\PDS\C3D\11467571\SHEETSPLAN\11467571\11467571_090301_XS_03_STH15.DWG
LAYOUT NAME - 090281_XS

PLOT DATE : 6/12/2019 12:07 PM PLOT BY : SIMMONS, MASON A PLOT NAME : PLOT SCALE : 1" = 20'_XREF

WISDOT/CADDS SHEET 49



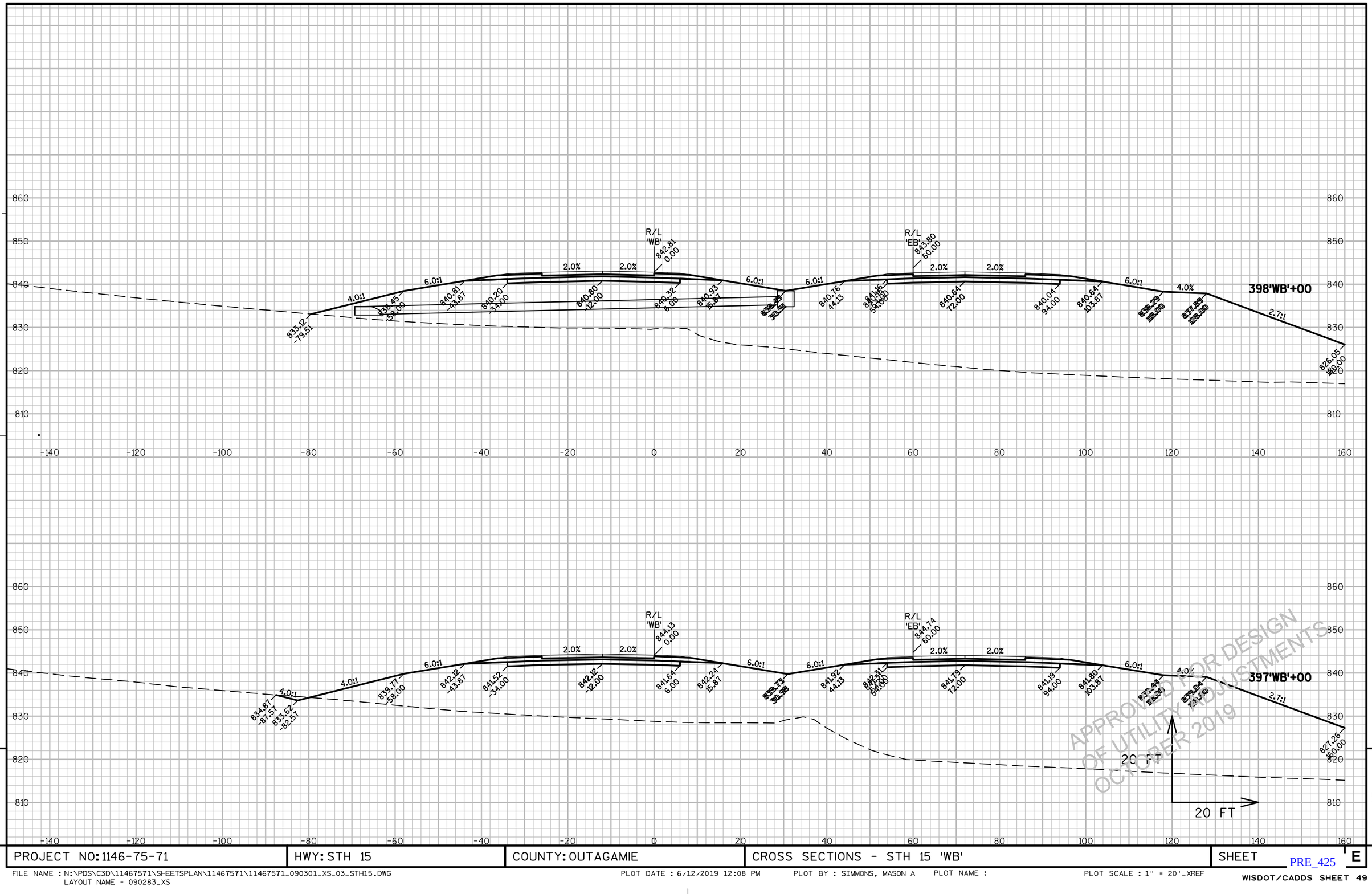
PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS - STH 15 'WB'	SHEET E

PRE_424

FILE NAME : N:\PDS\C3D\11467571\SHEETSPLAN\11467571\11467571_090301_XS_03_STH15.DWG
LAYOUT NAME - 090282_XS

PLOT DATE : 6/12/2019 12:07 PM PLOT BY : SIMMONS, MASON A PLOT NAME : PLOT SCALE : 1" = 20'_XREF

WISDOT/CADDS SHEET 49



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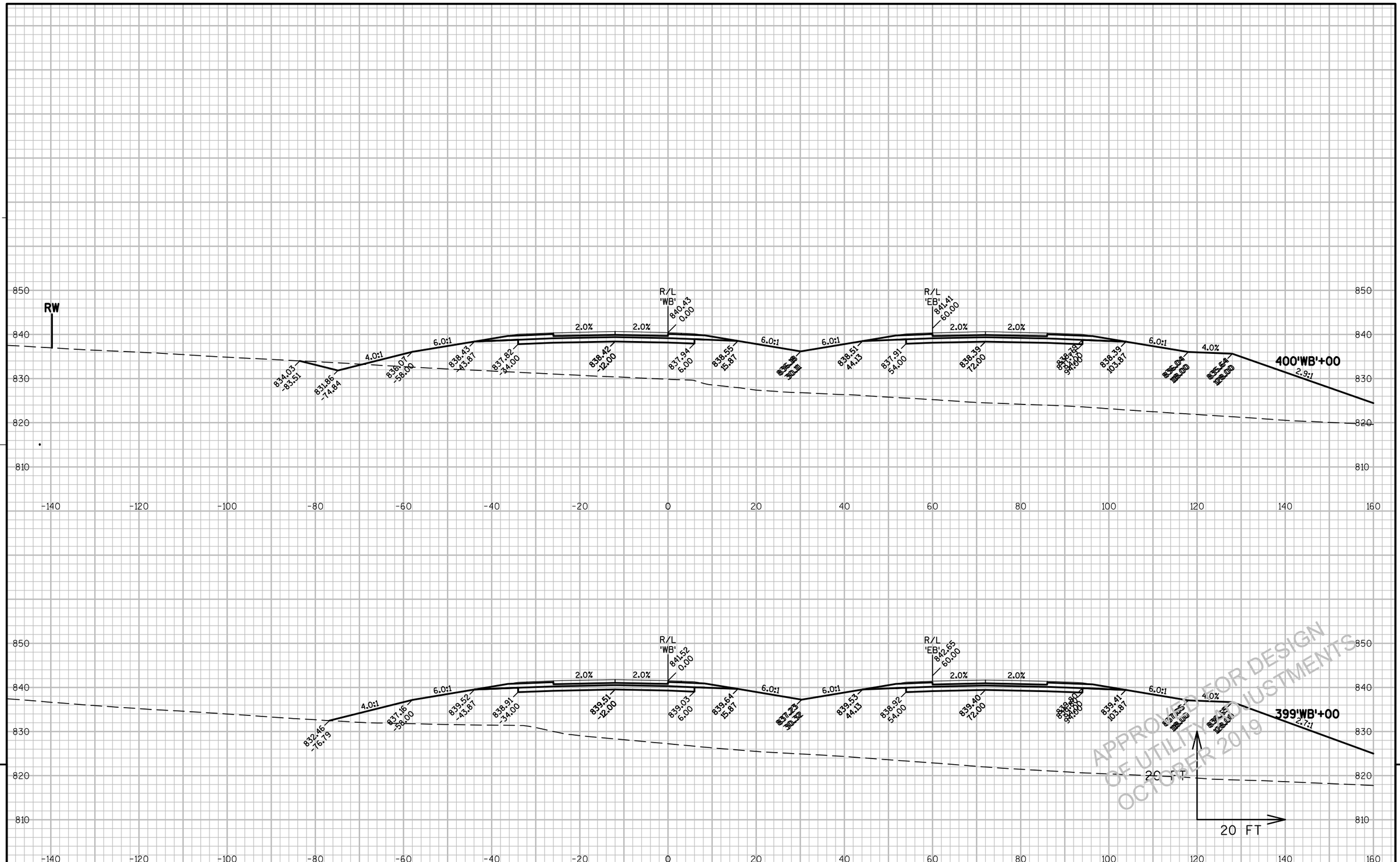
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PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS - STH 15 'WB'	SHEET E

PRE_425

FILE NAME : N:\PDS\C3D\11467571\SHEETSPLAN\11467571\11467571_090301_XS_03_STH15.DWG
LAYOUT NAME - 090283_XS

PLOT DATE : 6/12/2019 12:08 PM PLOT BY : SIMMONS, MASON A PLOT NAME : PLOT SCALE : 1" = 20'_XREF



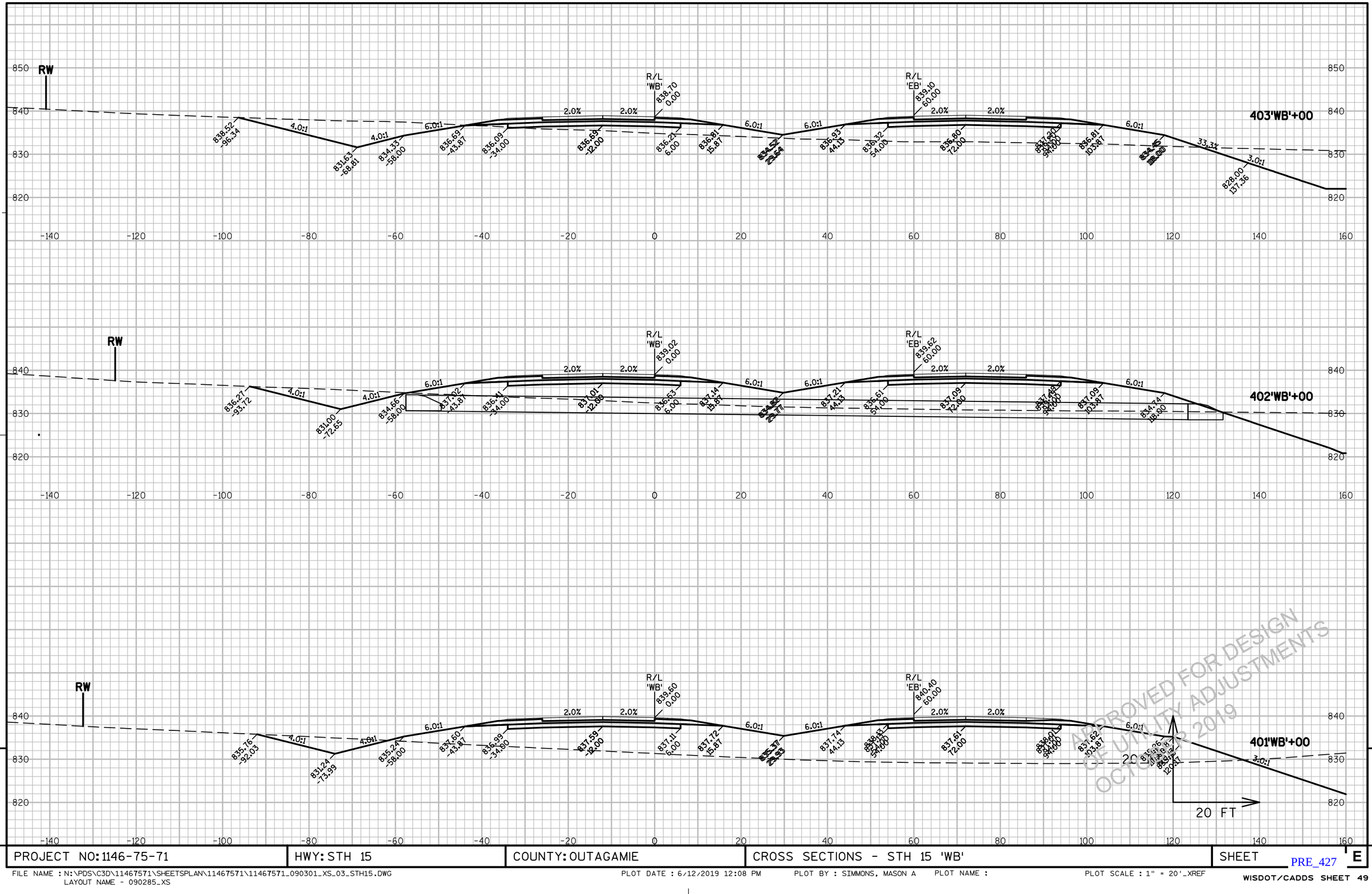
PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS - STH 15 'WB'	SHEET E

PRE_426

FILE NAME : N:\PDS\C3D\11467571\SHEETSPLAN\11467571\11467571_090301_XS_03_STH15.DWG
LAYOUT NAME - 090284_XS

PLOT DATE : 6/12/2019 12:08 PM PLOT BY : SIMMONS, MASON A PLOT NAME : PLOT SCALE : 1" = 20'_XREF

WISDOT/CADDS SHEET 49



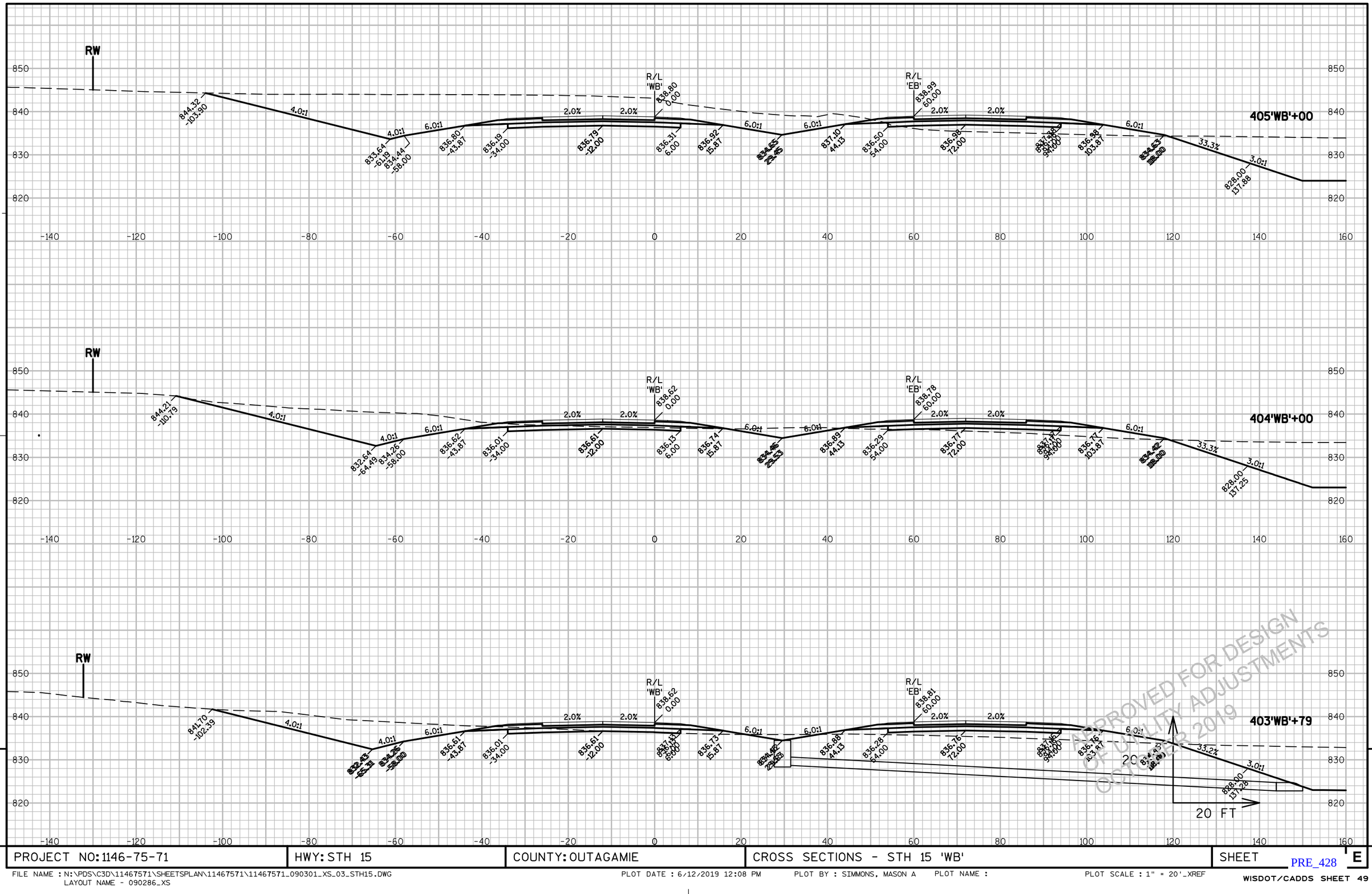
APPROVED FOR DESIGN OF UTILITY ADJUSTMENTS OCTOBER 2019

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PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS - STH 15 'WB'	SHEET E

FILE NAME : N:\PDS\C3D\11467571\SHEETSPLAN\11467571\11467571_090301_XS_03_STH15.DWG
LAYOUT NAME - 090285_XS

PLOT DATE : 6/12/2019 12:08 PM PLOT BY : SIMMONS, MASON A PLOT NAME : PLOT SCALE : 1" = 20'_XREF



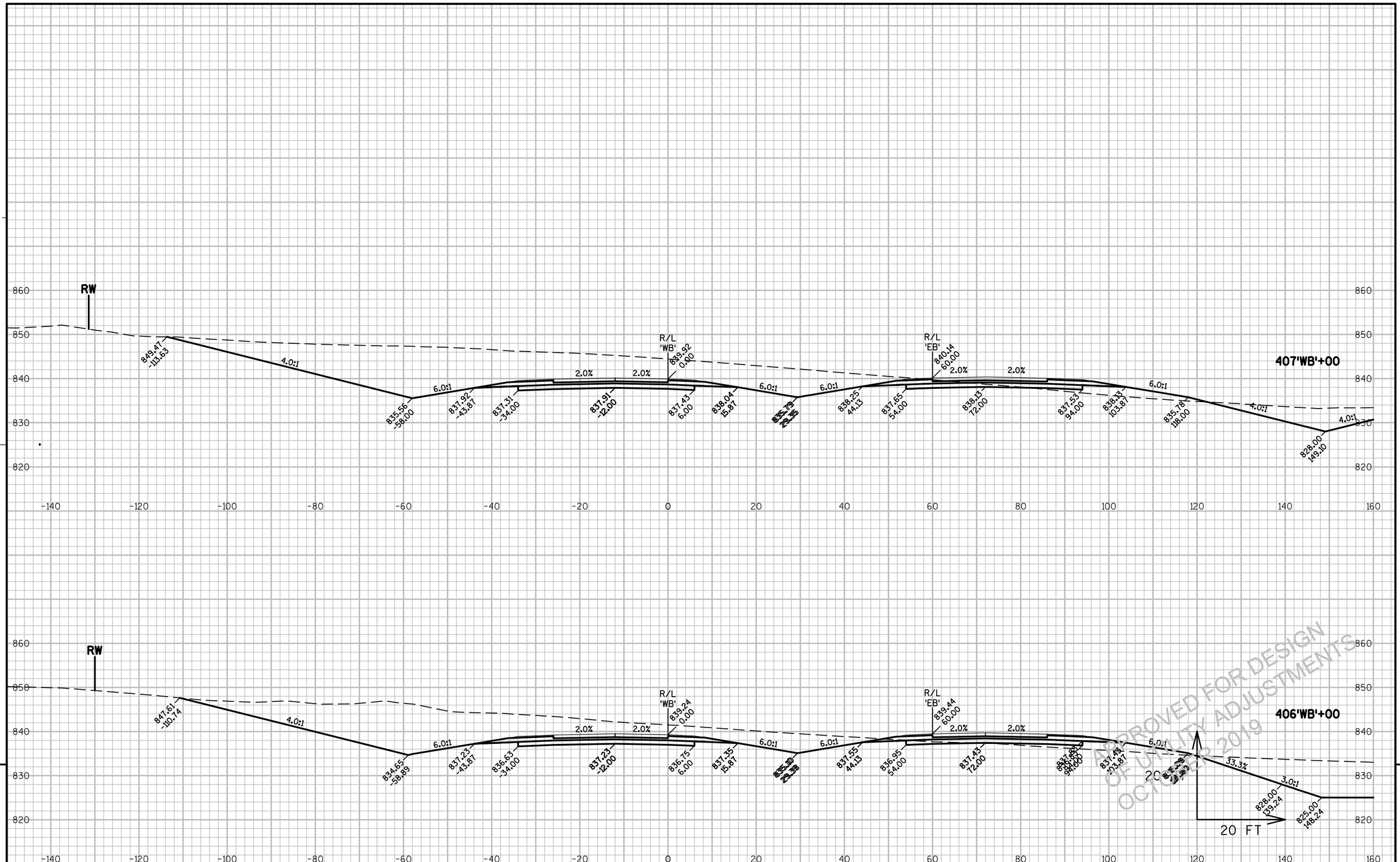
PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS - STH 15 'WB'	SHEET E

PRE_428

FILE NAME : N:\PDS\C3D\11467571\SHEETSPLAN\11467571\11467571_090301_XS_03_STH15.DWG
LAYOUT NAME - 090286_XS

PLOT DATE : 6/12/2019 12:08 PM PLOT BY : SIMMONS, MASON A PLOT NAME : PLOT SCALE : 1" = 20'_XREF

WISDOT/CADDS SHEET 49



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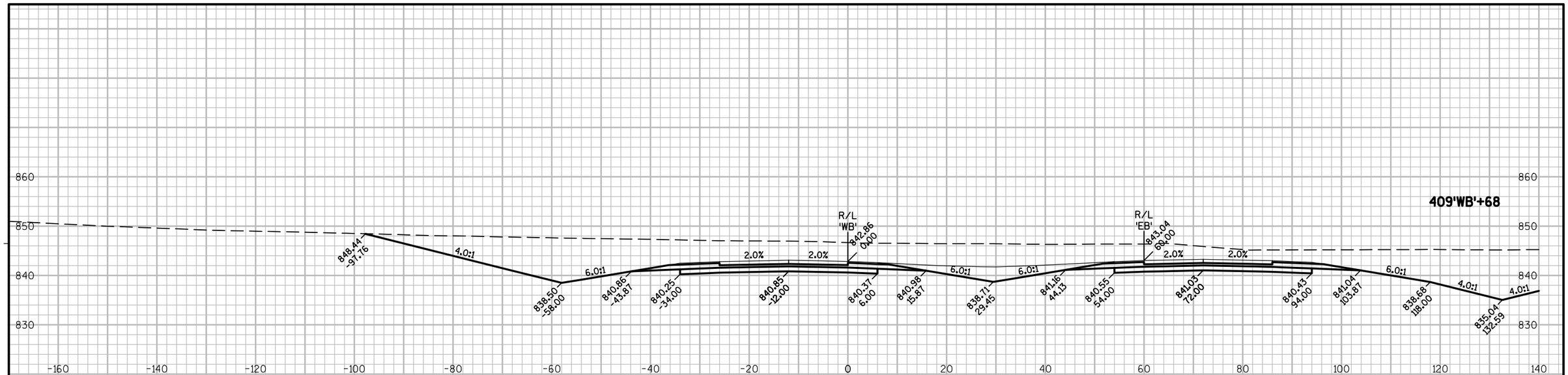
PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS - STH 15 'WB'	SHEET E

PRE_429

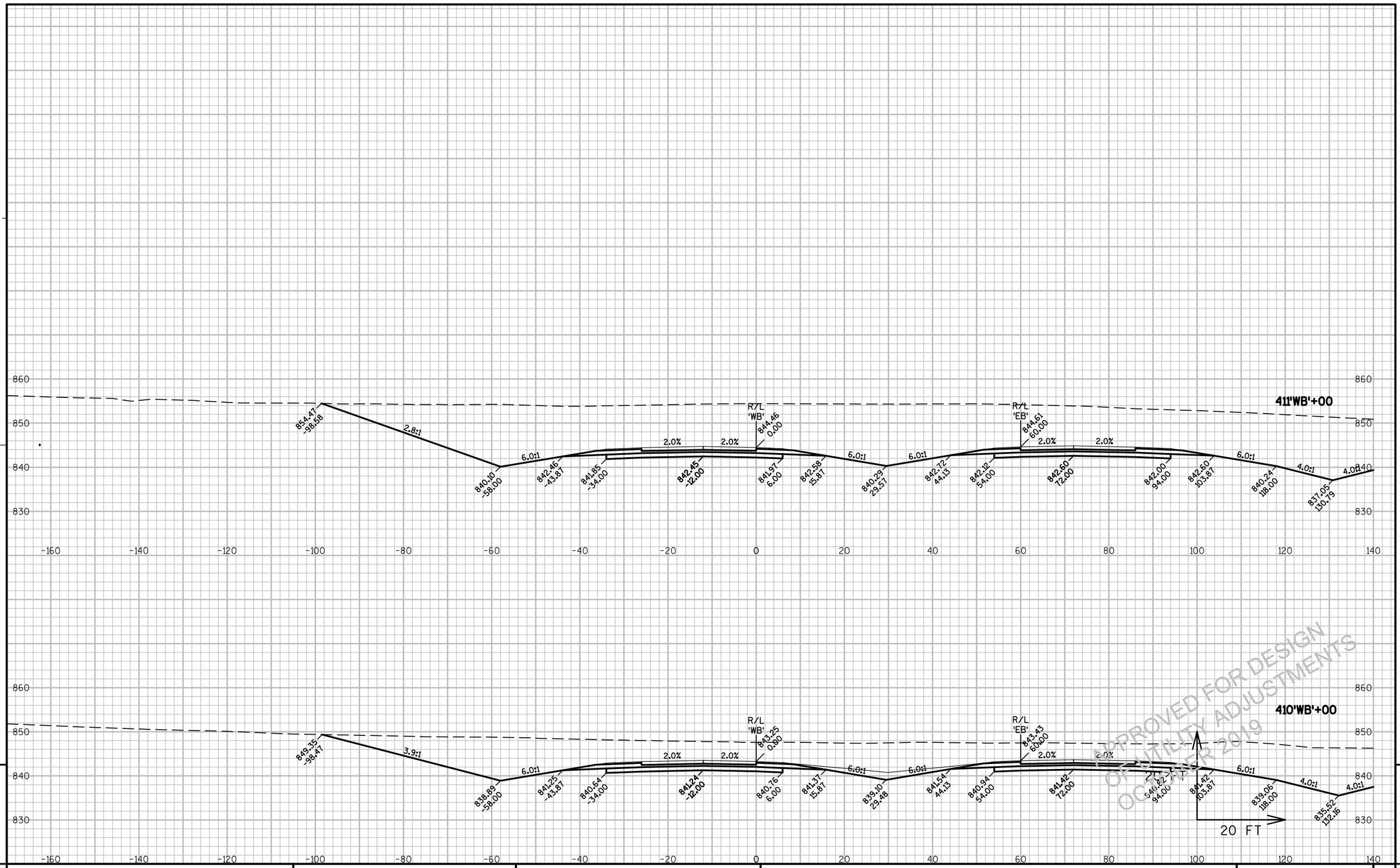
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LAYOUT NAME - 090287_XS

PLOT DATE : 6/12/2019 12:08 PM PLOT BY : SIMMONS, MASON A PLOT NAME : PLOT SCALE : 1" = 20'_XREF

WISDOT/CADDS SHEET 49



PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS - STH 15 'WB'	SHEET E



APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS
OCTOBER 2019

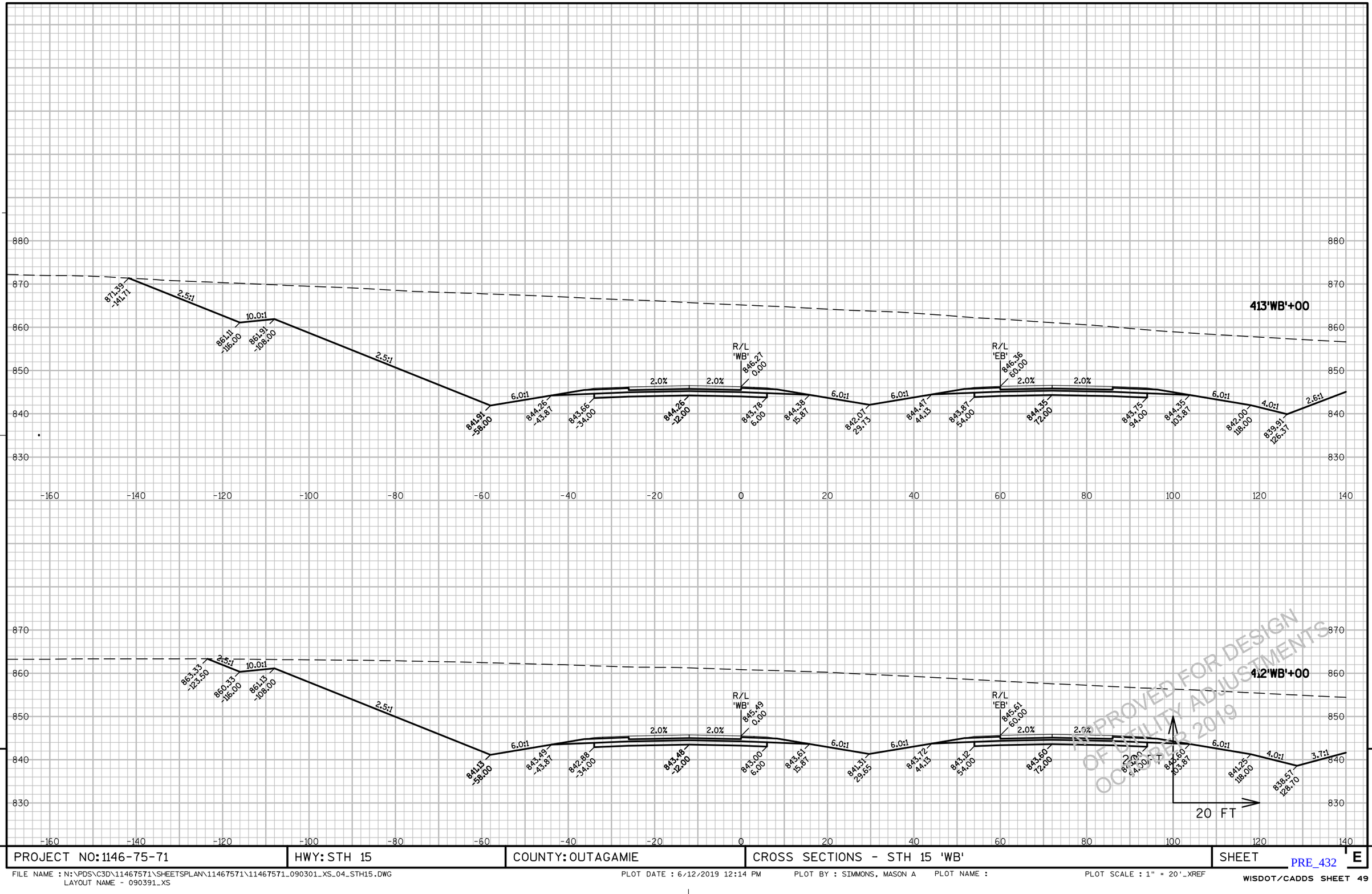
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PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS - STH 15 'WB'	SHEET E

PRE_431

FILE NAME : N:\PDS\C3D\11467571\SHEETSPLAN\11467571\11467571_090301_XS_04_STH15.DWG
LAYOUT NAME - 090390_XS

PLOT DATE : 6/12/2019 12:14 PM PLOT BY : SIMMONS, MASON A PLOT NAME : PLOT SCALE : 1" = 20'_XREF



IMPROVED FOR DESIGN OF UTILITY ADJUSTMENTS OCTOBER 2019

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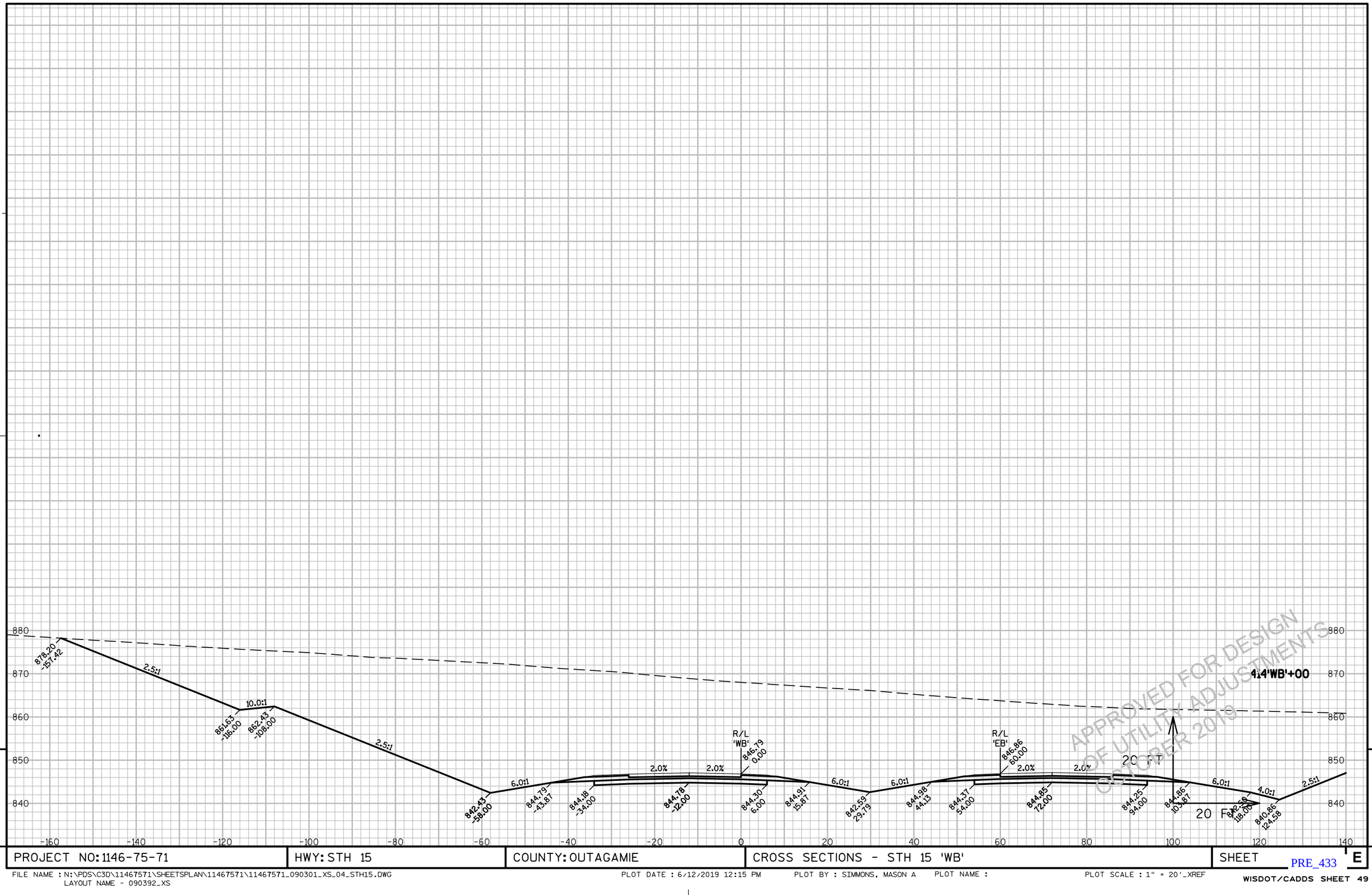
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PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS - STH 15 'WB'	SHEET E

PRE_432

FILE NAME : N:\PDS\C3D\11467571\SHEETSPLAN\11467571\11467571_090301_XS_04_STH15.DWG
LAYOUT NAME - 090391_XS

PLOT DATE : 6/12/2019 12:14 PM PLOT BY : SIMMONS, MASON A PLOT NAME : PLOT SCALE : 1" = 20'_XREF

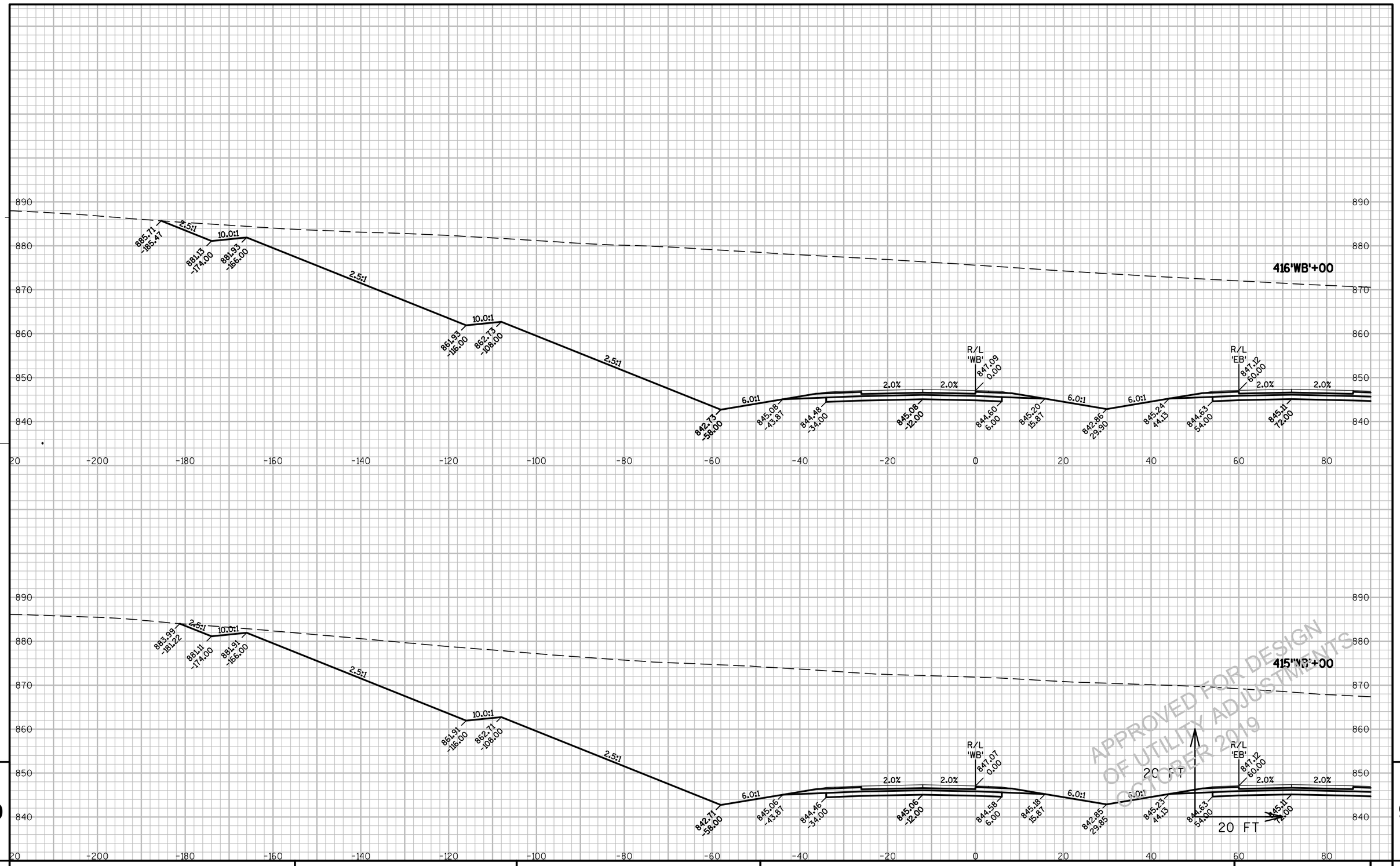


APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS
OCTOBER 2019

PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS - STH 15 'WB'	SHEET E

FILE NAME : N:\PDS\C3D\11467571\SHEETSPLAN\11467571\11467571_090301_XS_04_STH15.DWG
LAYOUT NAME - 090392_XS

PLOT DATE : 6/12/2019 12:15 PM PLOT BY : SIMMONS, MASON A PLOT NAME : PLOT SCALE : 1" = 20'_XREF



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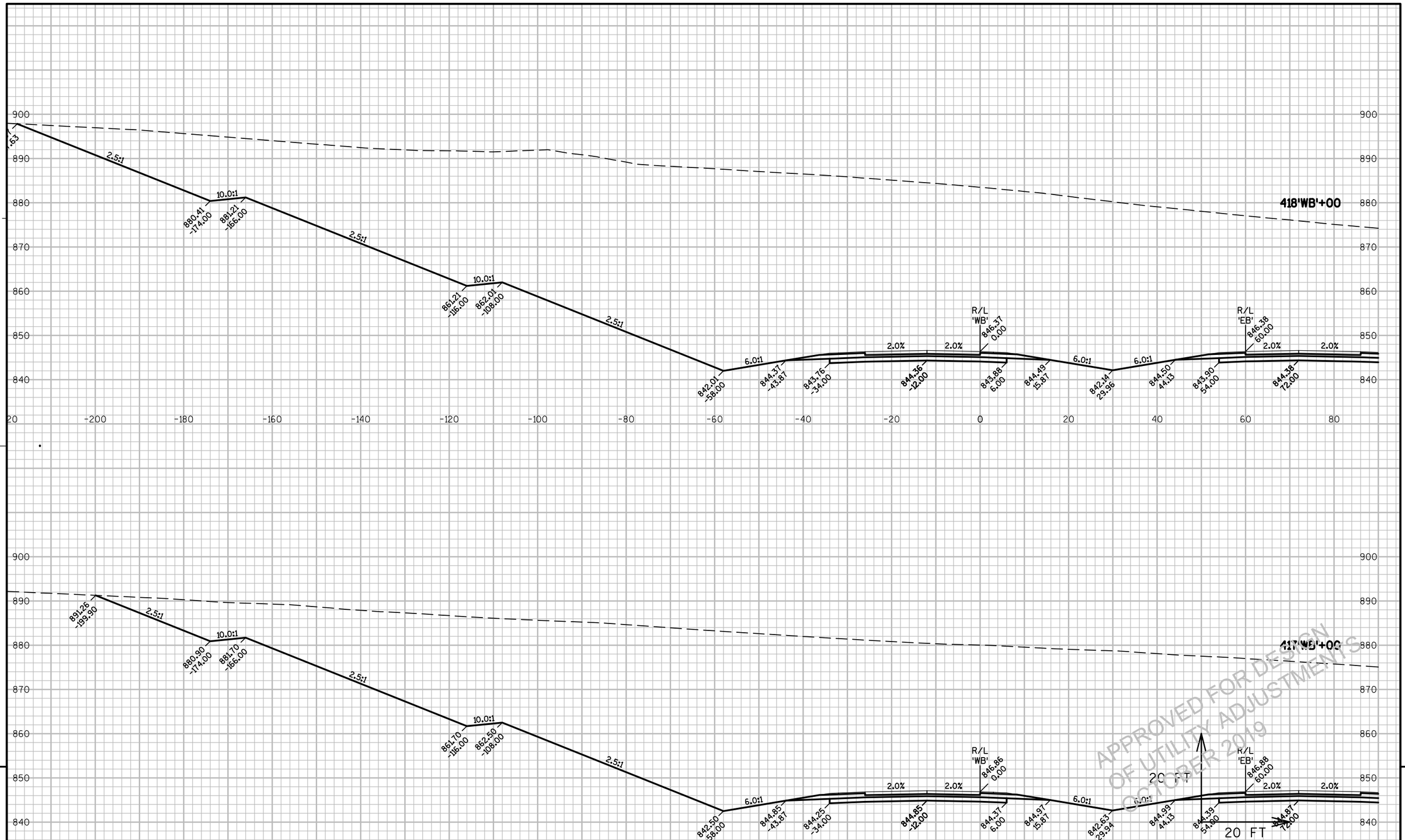
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PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS - STH 15 'WB'	SHEET E

PRE_434

FILE NAME : N:\PDS\C3D\11467571\SHEETSPLAN\11467571\11467571_090301_XS_04_STH15.DWG
LAYOUT NAME - 090393_XS

PLOT DATE : 6/12/2019 12:15 PM PLOT BY : SIMMONS, MASON A PLOT NAME : PLOT SCALE : 1" = 20'_XREF



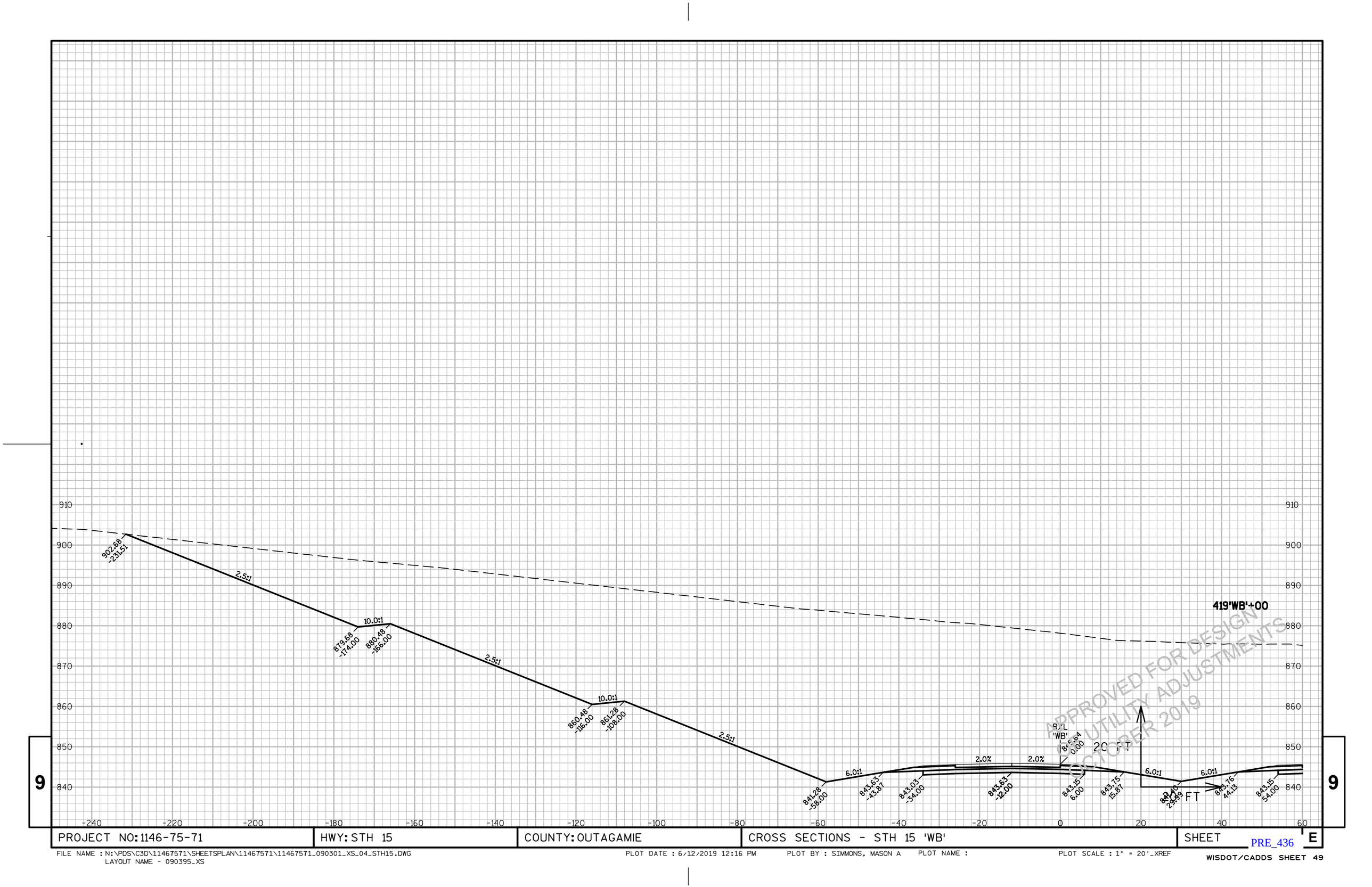
PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS - STH 15 'WB'	SHEET E

FILE NAME : N:\PDS\C3D\11467571\SHEETSPLAN\11467571\11467571_090301_XS_04_STH15.DWG
LAYOUT NAME - 090394_XS

PLOT DATE : 6/12/2019 12:16 PM PLOT BY : SIMMONS, MASON A PLOT NAME : PLOT SCALE : 1" = 20'_XREF

PRE_435

WISDOT/CADDS SHEET 49

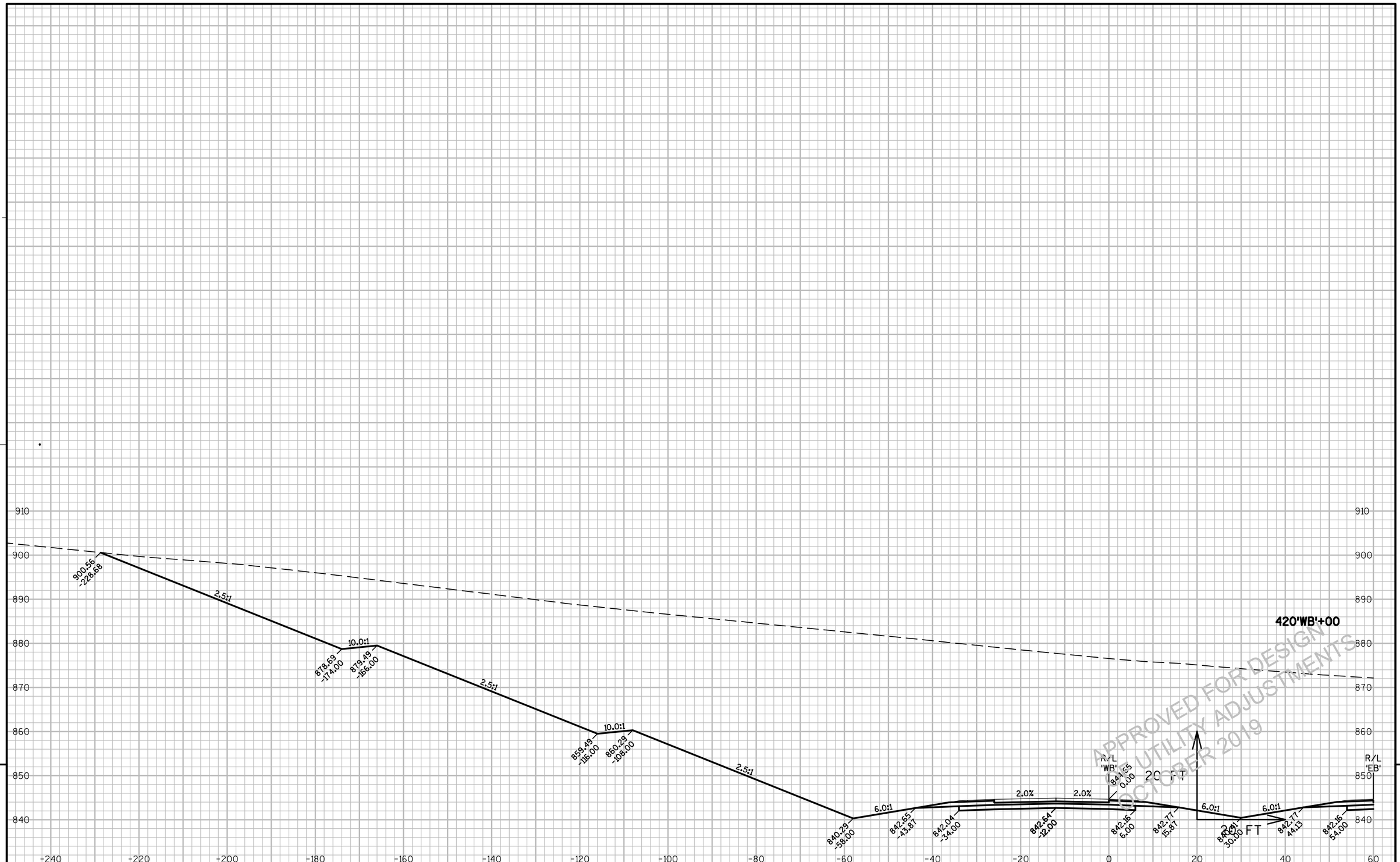


PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS - STH 15 'WB'	SHEET E

PRE_436

FILE NAME : N:\PDS\C3D\11467571\SHEETSPLAN\11467571\11467571_090301_XS_04_STH15.DWG
LAYOUT NAME - 090395_XS

PLOT DATE : 6/12/2019 12:16 PM PLOT BY : SIMMONS, MASON A PLOT NAME : PLOT SCALE : 1" = 20'_XREF



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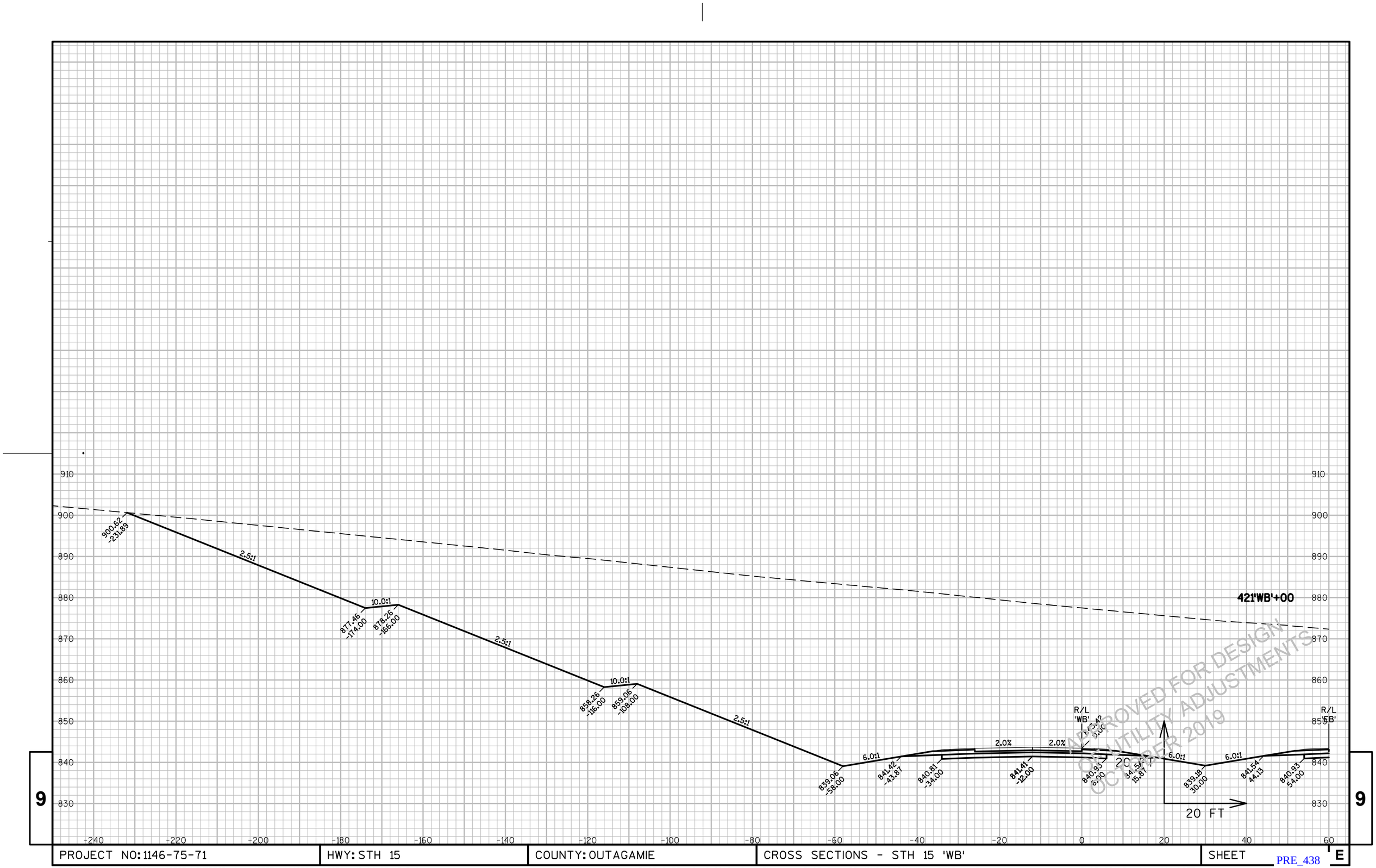
PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS - STH 15 'WB'	SHEET E

PRE_437

FILE NAME : N:\PDS\C3D\11467571\SHEETSPLAN\11467571\11467571_090301_XS_04_STH15.DWG
LAYOUT NAME - 090396_XS

PLOT DATE : 6/12/2019 12:16 PM PLOT BY : SIMMONS, MASON A PLOT NAME : PLOT SCALE : 1" = 20'_XREF

WISDOT/CADDS SHEET 49



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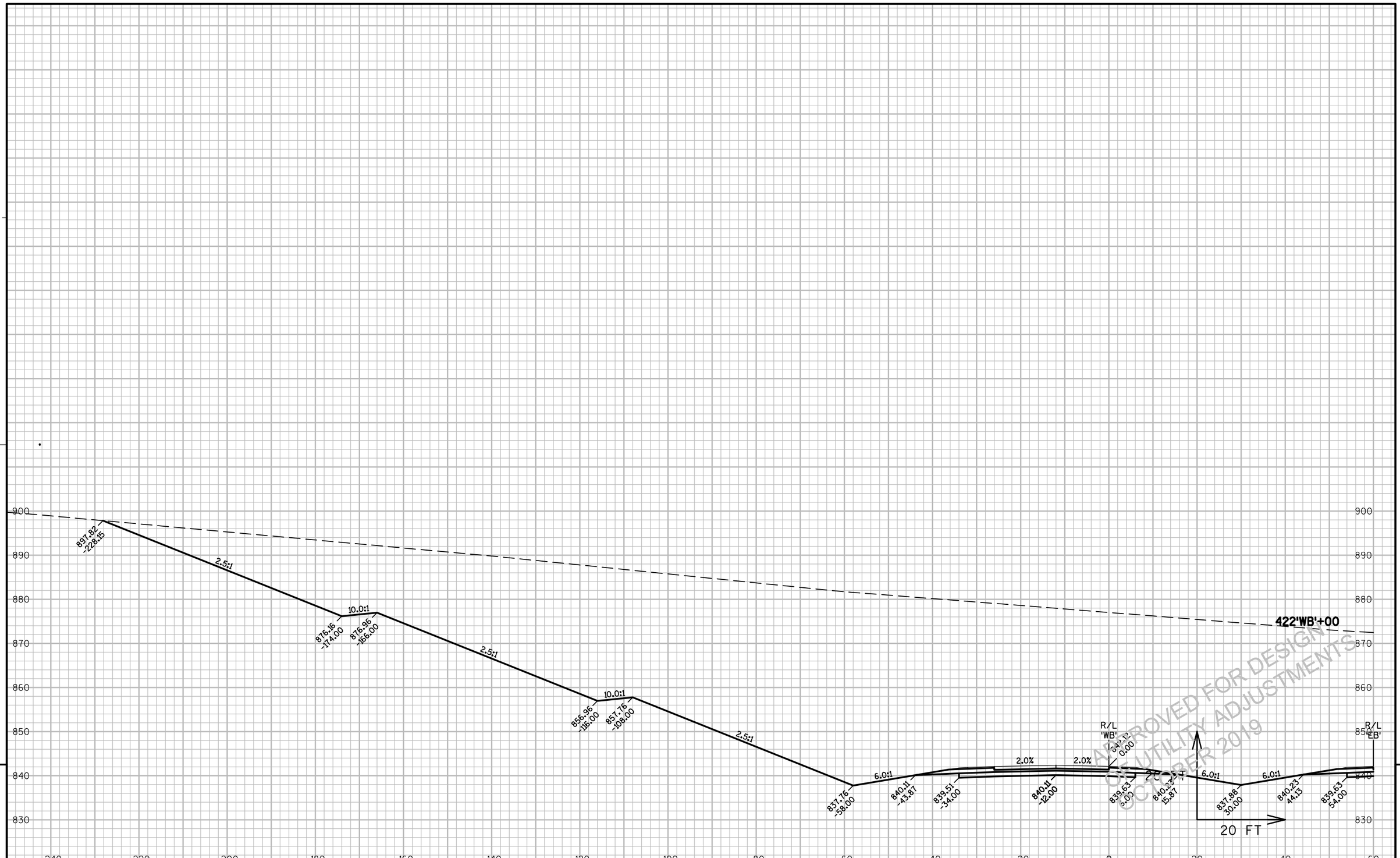
PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS - STH 15 'WB'	SHEET E

PRE_438

FILE NAME : N:\PDS\C3D\11467571\SHEETSPLAN\11467571\11467571_090301_XS_04_STH15.DWG
LAYOUT NAME - 090397_XS

PLOT DATE : 6/12/2019 12:17 PM PLOT BY : SIMMONS, MASON A PLOT NAME : PLOT SCALE : 1" = 20'_XREF

WISDOT/CADDS SHEET 49

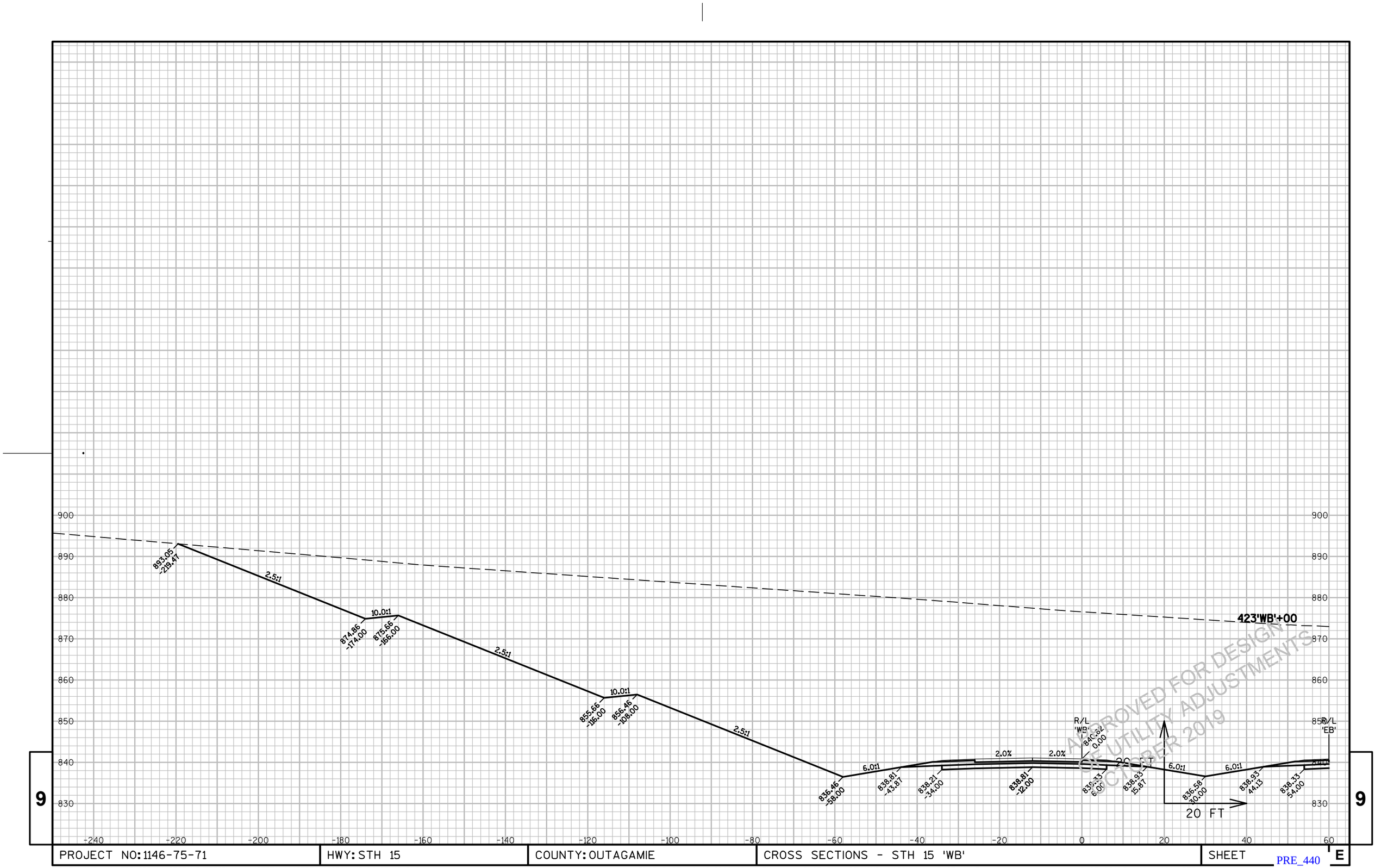


APPROVED FOR DESIGN
OR UTILITY ADJUSTMENTS
OCTOBER 2019

PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS - STH 15 'WB'	SHEET E

FILE NAME : N:\PDS\C3D\11467571\SHEETSPLAN\11467571\11467571_090301_XS_04_STH15.DWG
LAYOUT NAME - 090398_XS

PLOT DATE : 6/12/2019 12:17 PM PLOT BY : SIMMONS, MASON A PLOT NAME : PLOT SCALE : 1" = 20'_XREF



APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS
OCTOBER 2019

9

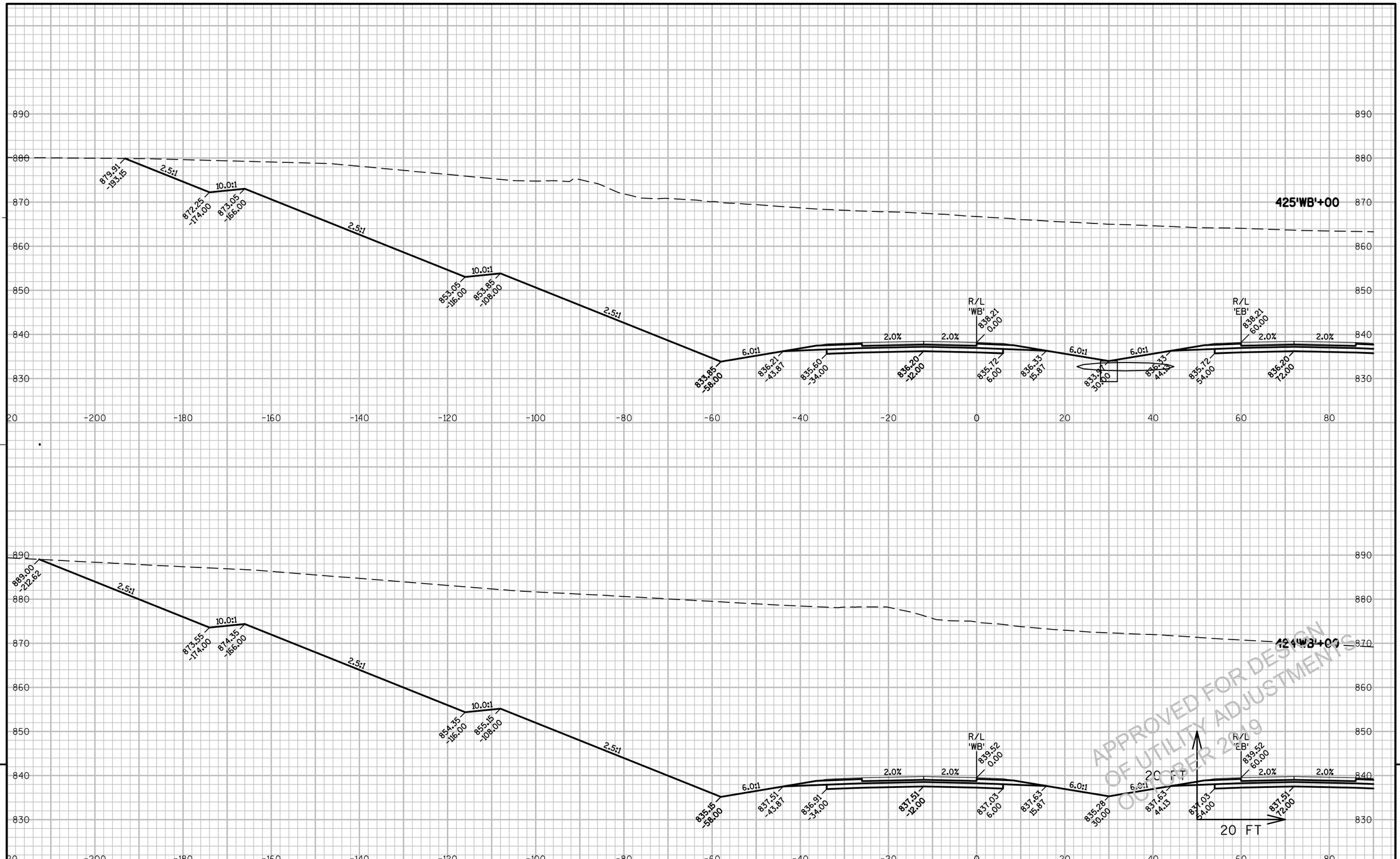
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PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS - STH 15 'WB'	SHEET E

PRE_440

FILE NAME : N:\PDS\C3D\11467571\SHEETSPLAN\11467571\11467571_090301_XS_04_STH15.DWG
LAYOUT NAME - 090399_XS

PLOT DATE : 6/12/2019 12:18 PM PLOT BY : SIMMONS, MASON A PLOT NAME : PLOT SCALE : 1" = 20'_XREF



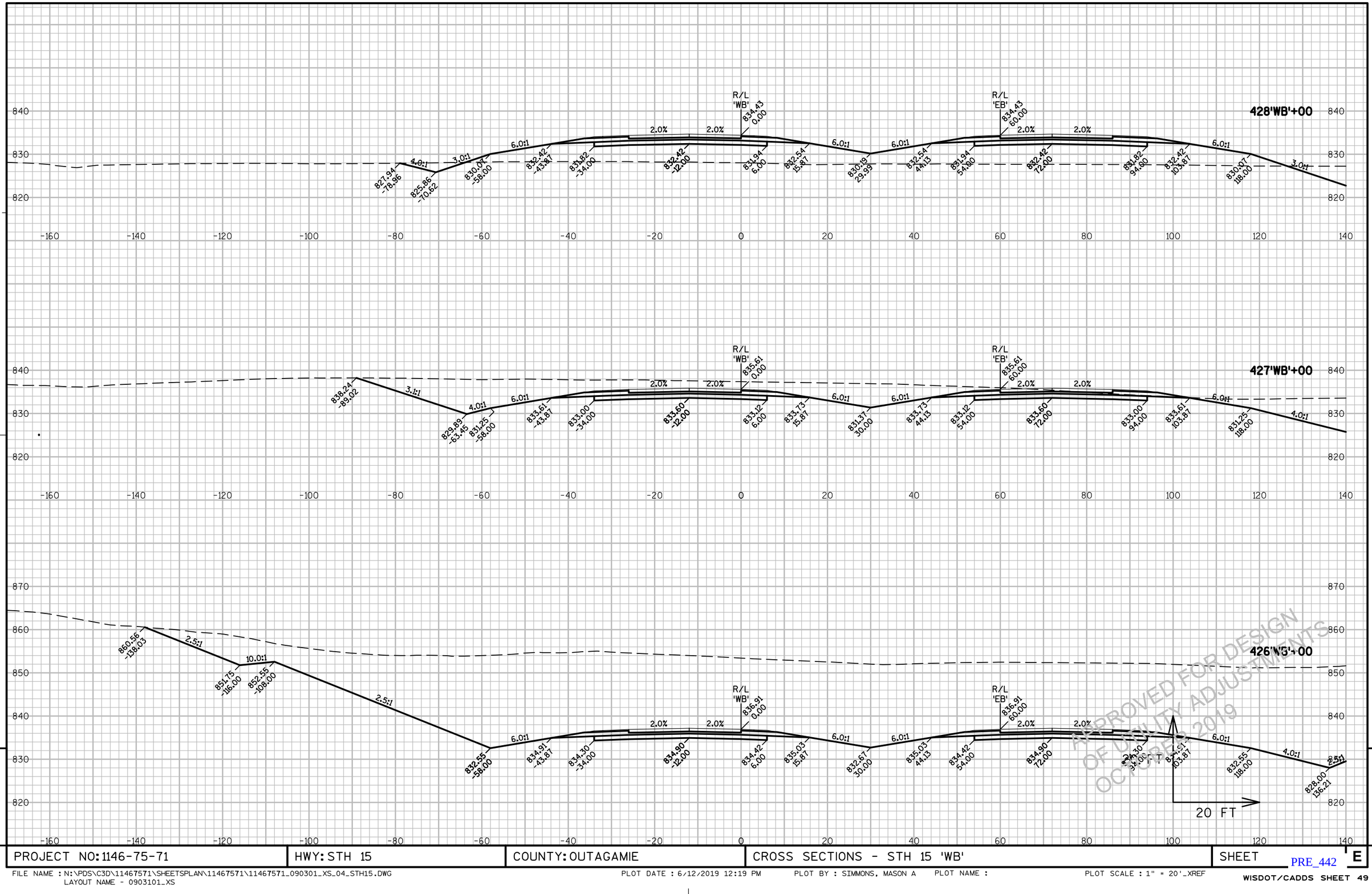
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PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS - STH 15 'WB'	SHEET E

PRE_441

FILE NAME : N:\PDS\C3D\11467571\SHEETSPLAN\11467571\11467571_090301_XS_04_STH15.DWG
LAYOUT NAME - 0903100_XS

PLOT DATE : 6/12/2019 12:18 PM PLOT BY : SIMMONS, MASON A PLOT NAME : PLOT SCALE : 1" = 20'_XREF



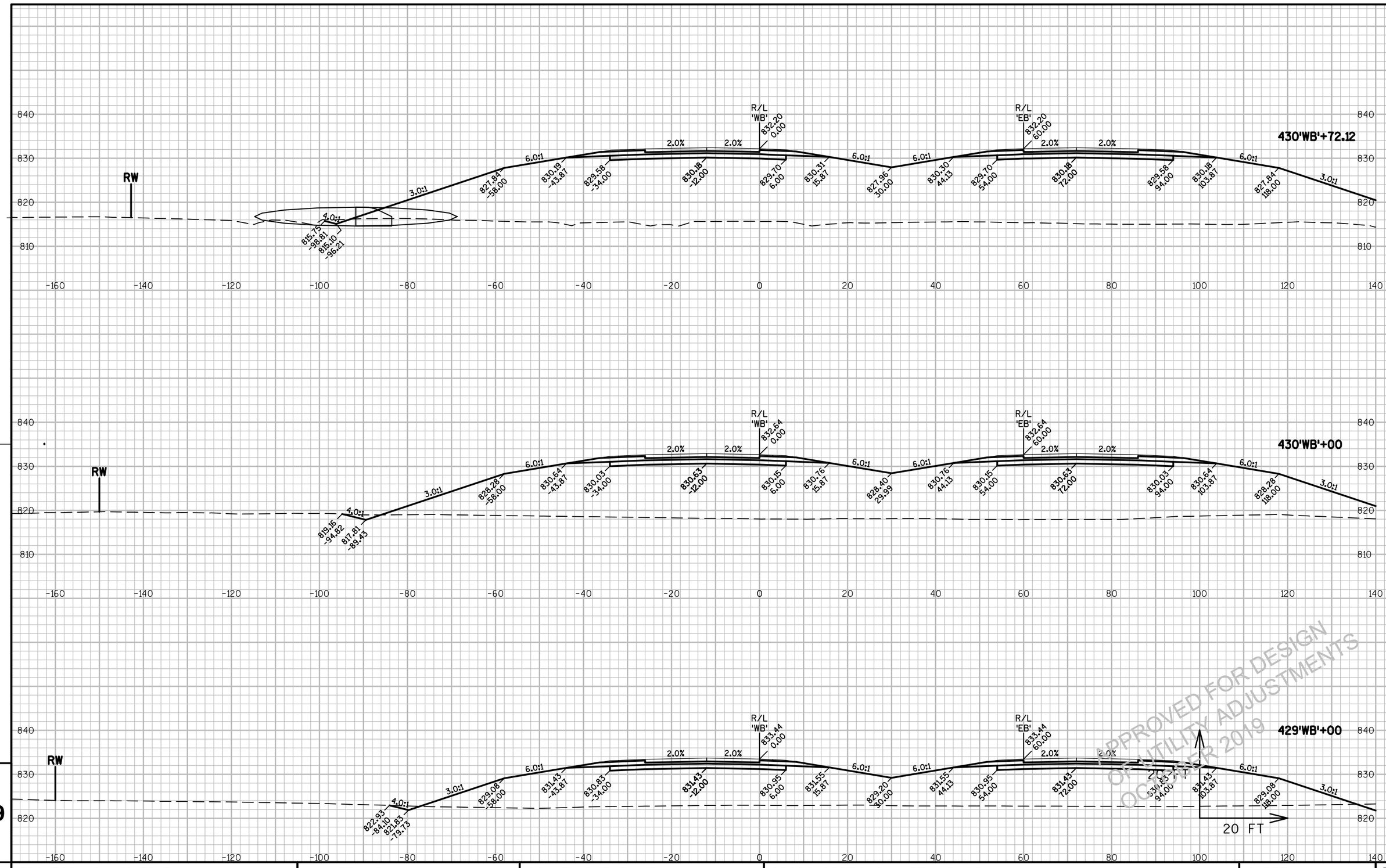
PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS - STH 15 'WB'	SHEET E

PRE_442

FILE NAME : N:\PDS\C3D\11467571\SHEETSPLAN\11467571\11467571_090301_XS_04_STH15.DWG
LAYOUT NAME - 0903101_XS

PLOT DATE : 6/12/2019 12:19 PM PLOT BY : SIMMONS, MASON A PLOT NAME : PLOT SCALE : 1" = 20'_XREF

WISDOT/CADDS SHEET 49



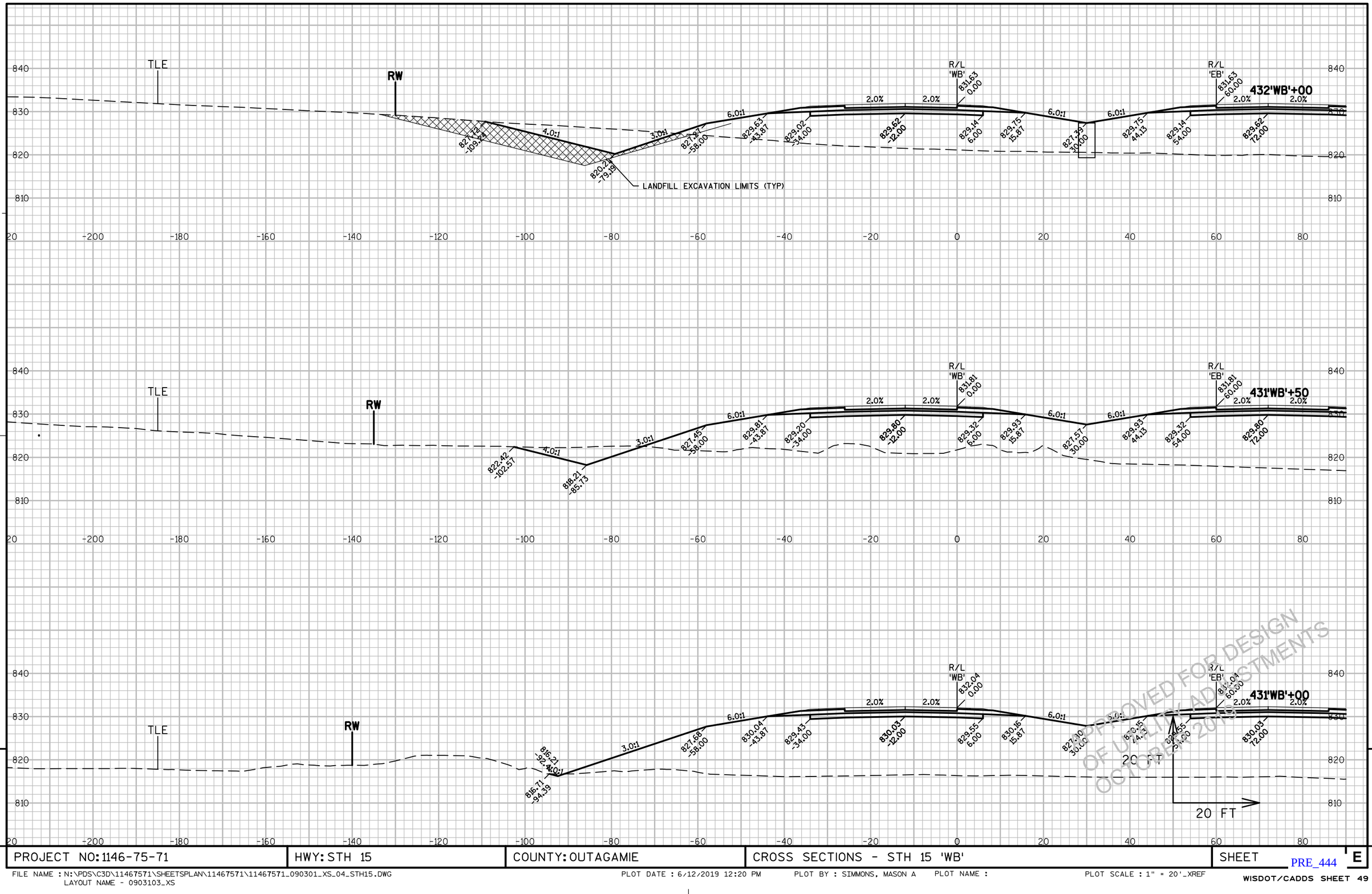
APPROVED FOR DESIGN OPPORTUNITY ADJUSTMENTS OCTOBER 2019

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PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS - STH 15 'WB'	SHEET E

FILE NAME : N:\PDS\C3D\11467571\SHEETSPLAN\11467571\11467571_090301_XS_04_STH15.DWG
LAYOUT NAME - 0903102_XS

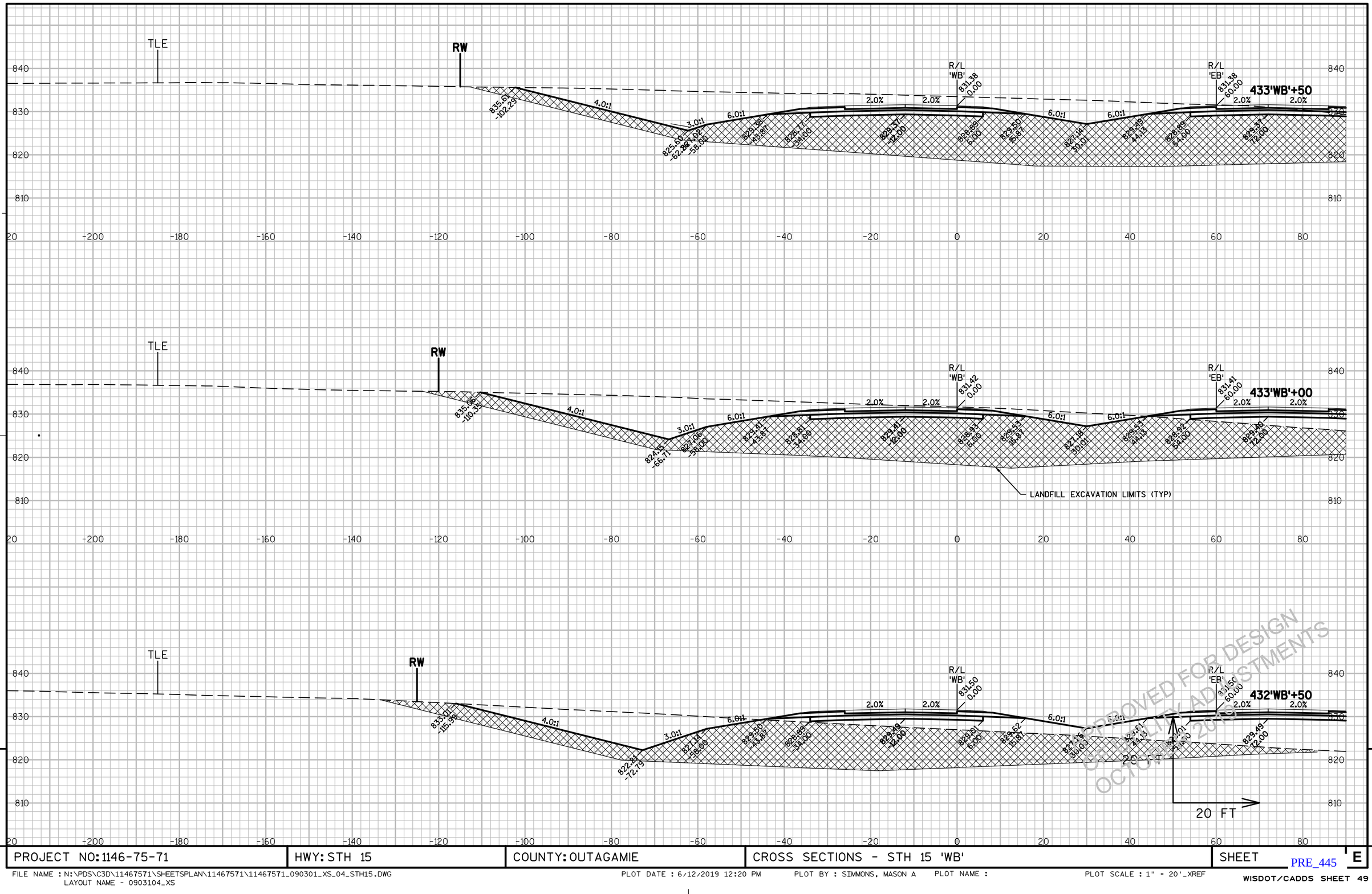
PLOT DATE : 6/12/2019 12:19 PM PLOT BY : SIMMONS, MASON A PLOT NAME : PLOT SCALE : 1" = 20'_XREF



APPROVED FOR DESIGN
OF UTILITY ADJUSTMENTS
OCTOBER 2019

PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS - STH 15 'WB'	SHEET E

FILE NAME : N:\PDS\C3D\11467571\SHEETSPLAN\11467571\11467571_090301_XS_04_STH15.DWG
LAYOUT NAME - 0903103_XS
PLOT DATE : 6/12/2019 12:20 PM PLOT BY : SIMMONS, MASON A PLOT NAME : PLOT SCALE : 1" = 20'_XREF
WISDOT/CADDS SHEET 49



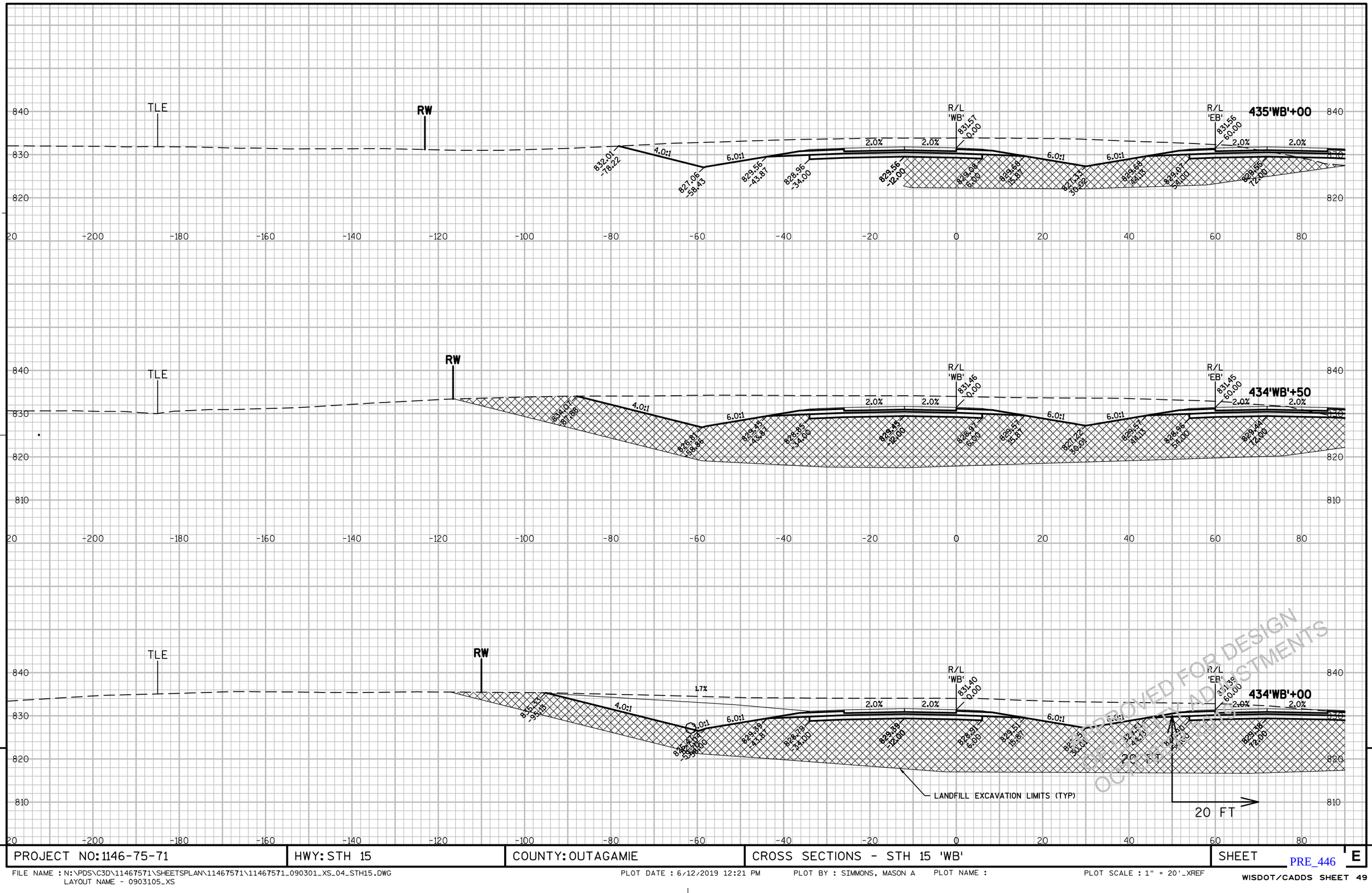
APPROVED FOR DESIGN
OCTOBER 2019

9

PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS - STH 15 'WB'	SHEET E

FILE NAME : N:\PDS\C3D\11467571\SHEETSPLAN\11467571\11467571_090301_XS_04_STH15.DWG
LAYOUT NAME - 0903104_XS

PLOT DATE : 6/12/2019 12:20 PM PLOT BY : SIMMONS, MASON A PLOT NAME : PLOT SCALE : 1" = 20'_XREF



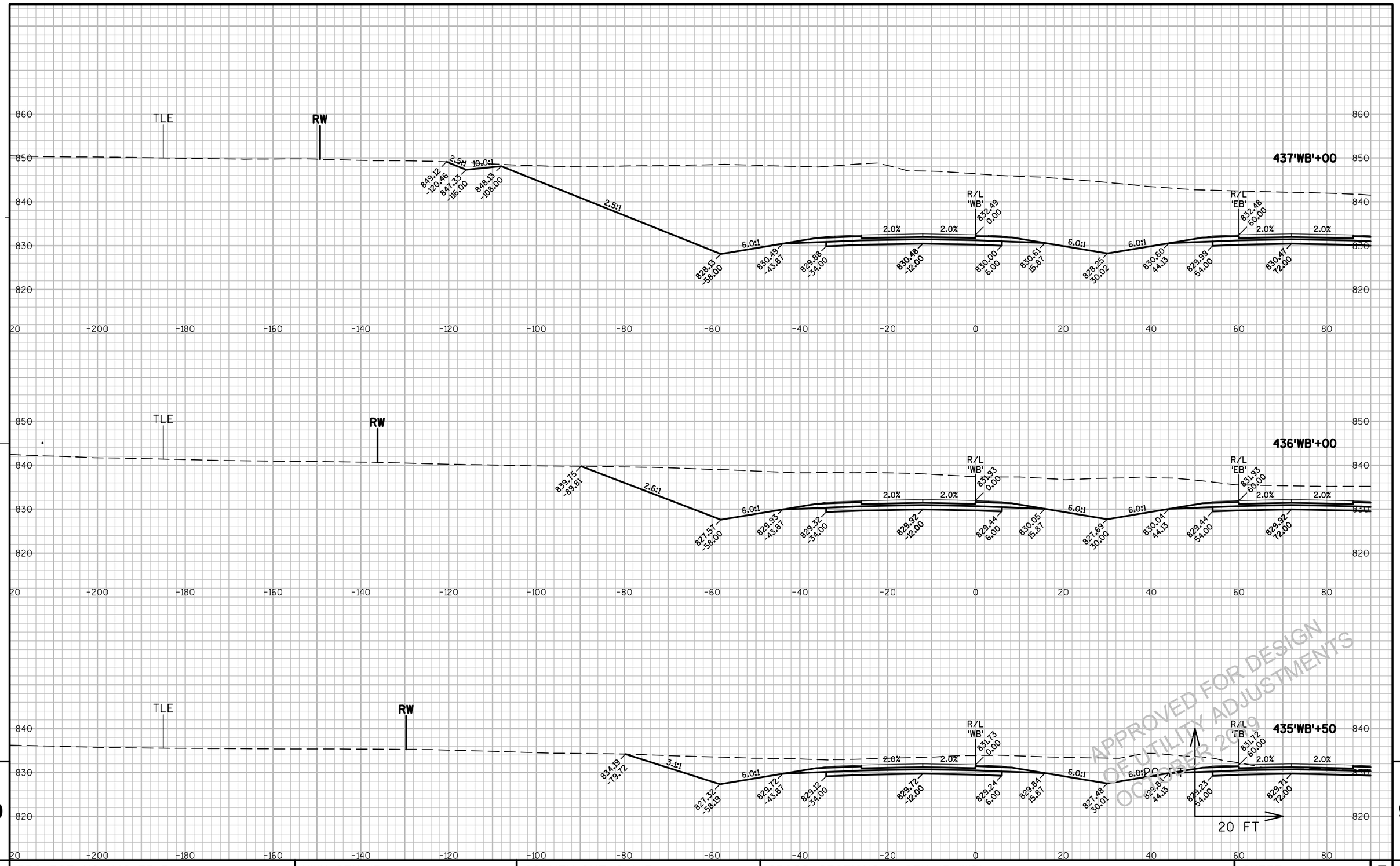
NOT FOLLOWED FOR DESIGN
OCTOBER 2019 ADJUSTMENTS

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PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS - STH 15 'WB'	SHEET E

FILE NAME : N:\PDS\C3D\11467571\SHEETSPLAN\11467571\11467571_090301_XS_04_STH15.DWG
LAYOUT NAME - 0903105_XS

PLOT DATE : 6/12/2019 12:21 PM PLOT BY : SIMMONS, MASON A PLOT NAME : PLOT SCALE : 1" = 20'_XREF



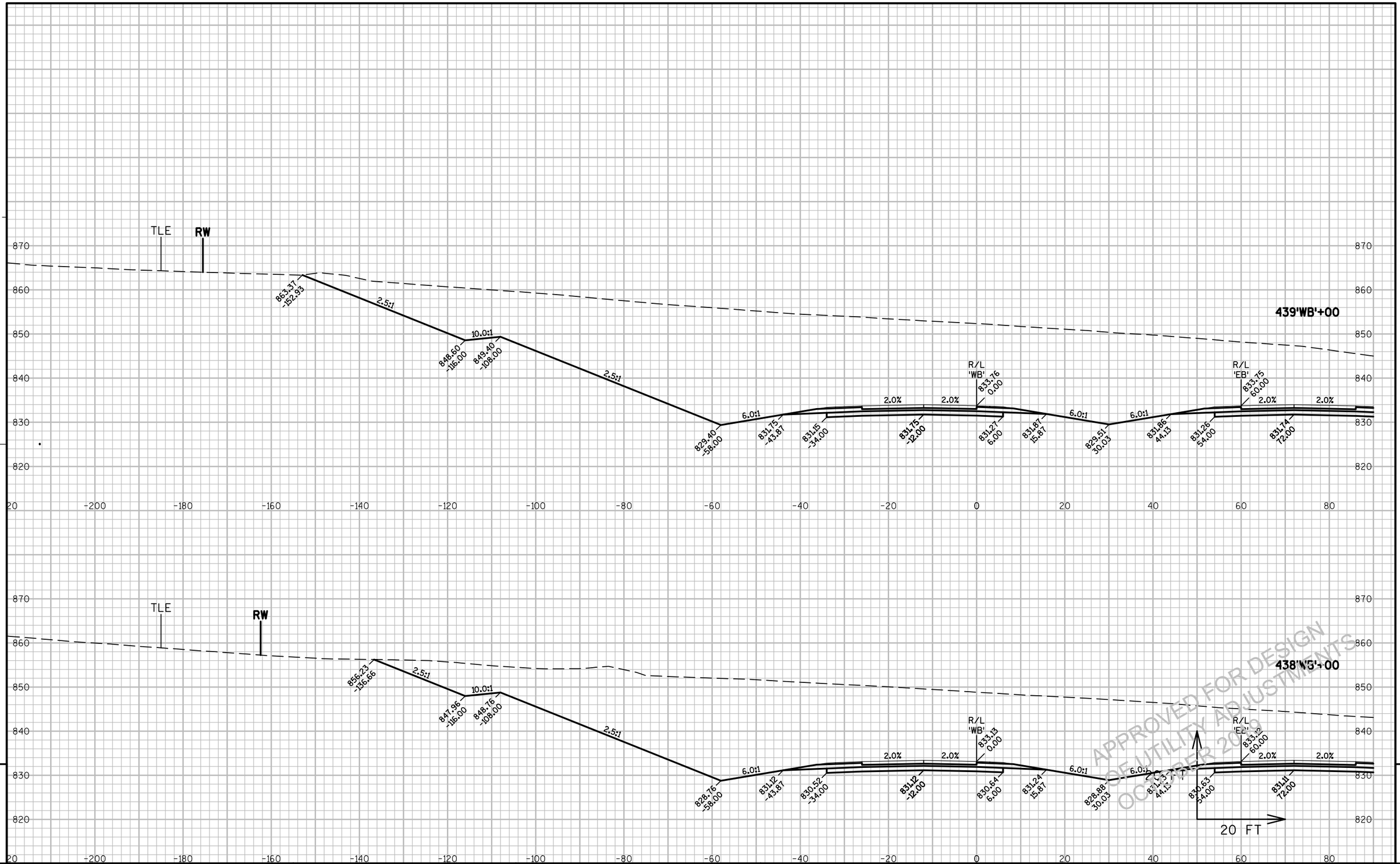
APPROVED FOR DESIGN OF UTILITY ADJUSTMENTS OCTOBER 2019

9

PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS - STH 15 'WB'	SHEET E

FILE NAME : N:\PDS\C3D\11467571\SHEETSPLAN\11467571\11467571_090301_XS_04_STH15.DWG
LAYOUT NAME - 0903106_XS

PLOT DATE : 6/12/2019 12:21 PM PLOT BY : SIMMONS, MASON A PLOT NAME : PLOT SCALE : 1" = 20'_XREF



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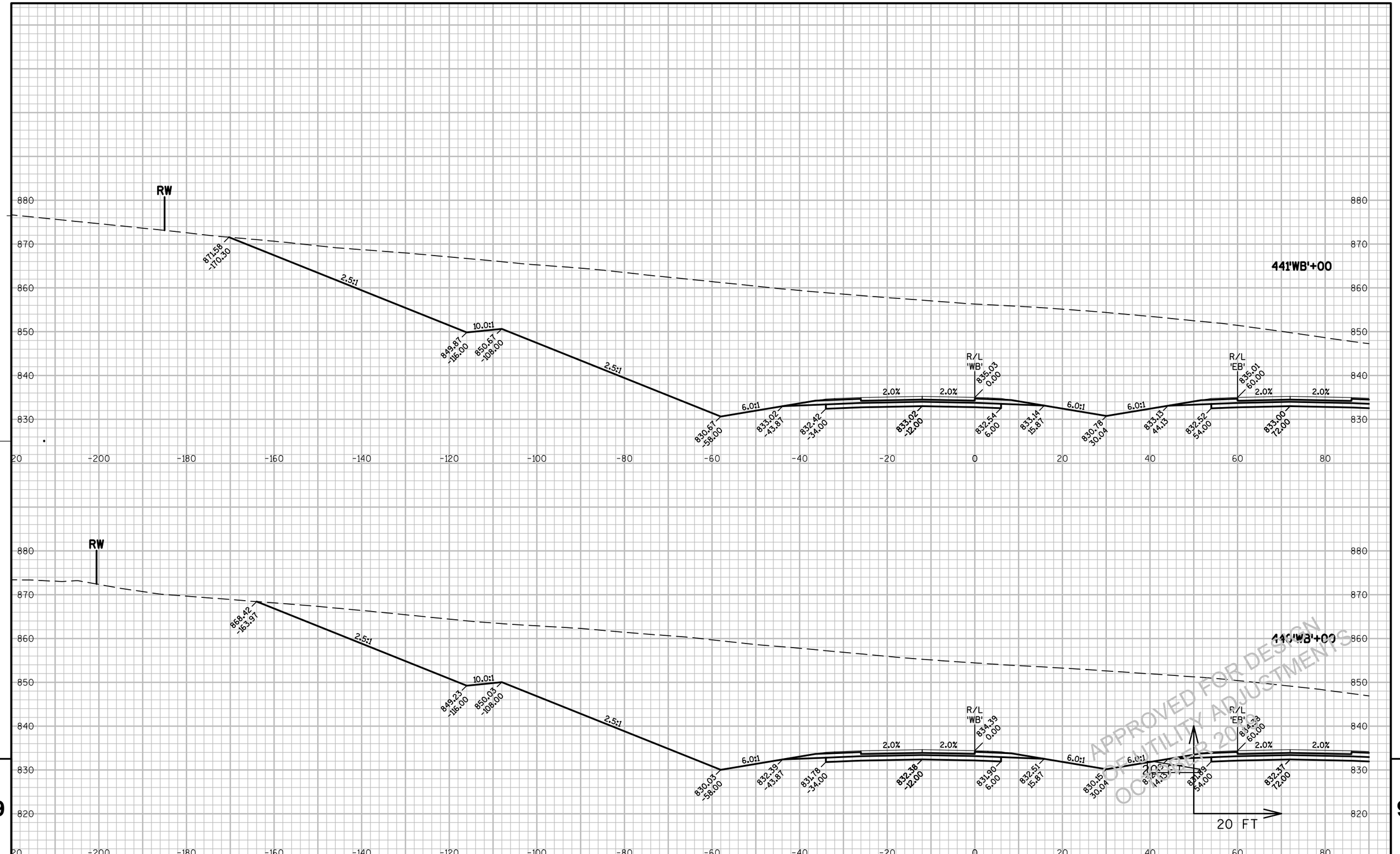
PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS - STH 15 'WB'	SHEET E

PRE_448

FILE NAME : N:\PDS\C3D\11467571\SHEETSPLAN\11467571\11467571_090301_XS_04_STH15.DWG
LAYOUT NAME - 0903107_XS

PLOT DATE : 6/12/2019 12:22 PM PLOT BY : SIMMONS, MASON A PLOT NAME : PLOT SCALE : 1" = 20'_XREF

WISDOT/CADDS SHEET 49



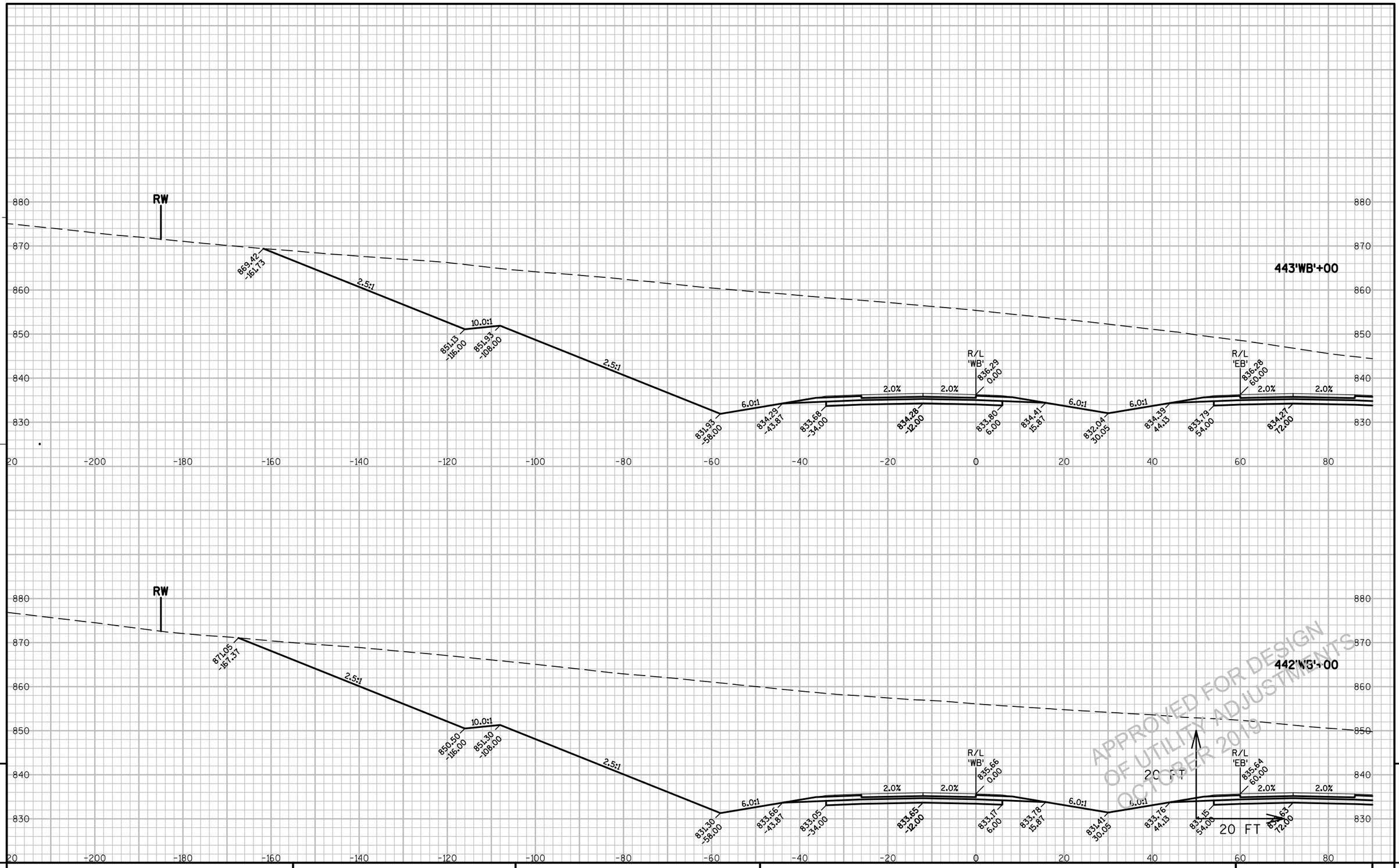
PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS - STH 15 'WB'	SHEET E

PRE_449

FILE NAME : N:\PDS\C3D\11467571\SHEETSPLAN\11467571\11467571_090301_XS_04_STH15.DWG
LAYOUT NAME - 0903108_XS

PLOT DATE : 6/12/2019 12:22 PM PLOT BY : SIMMONS, MASON A PLOT NAME : PLOT SCALE : 1" = 20'_XREF

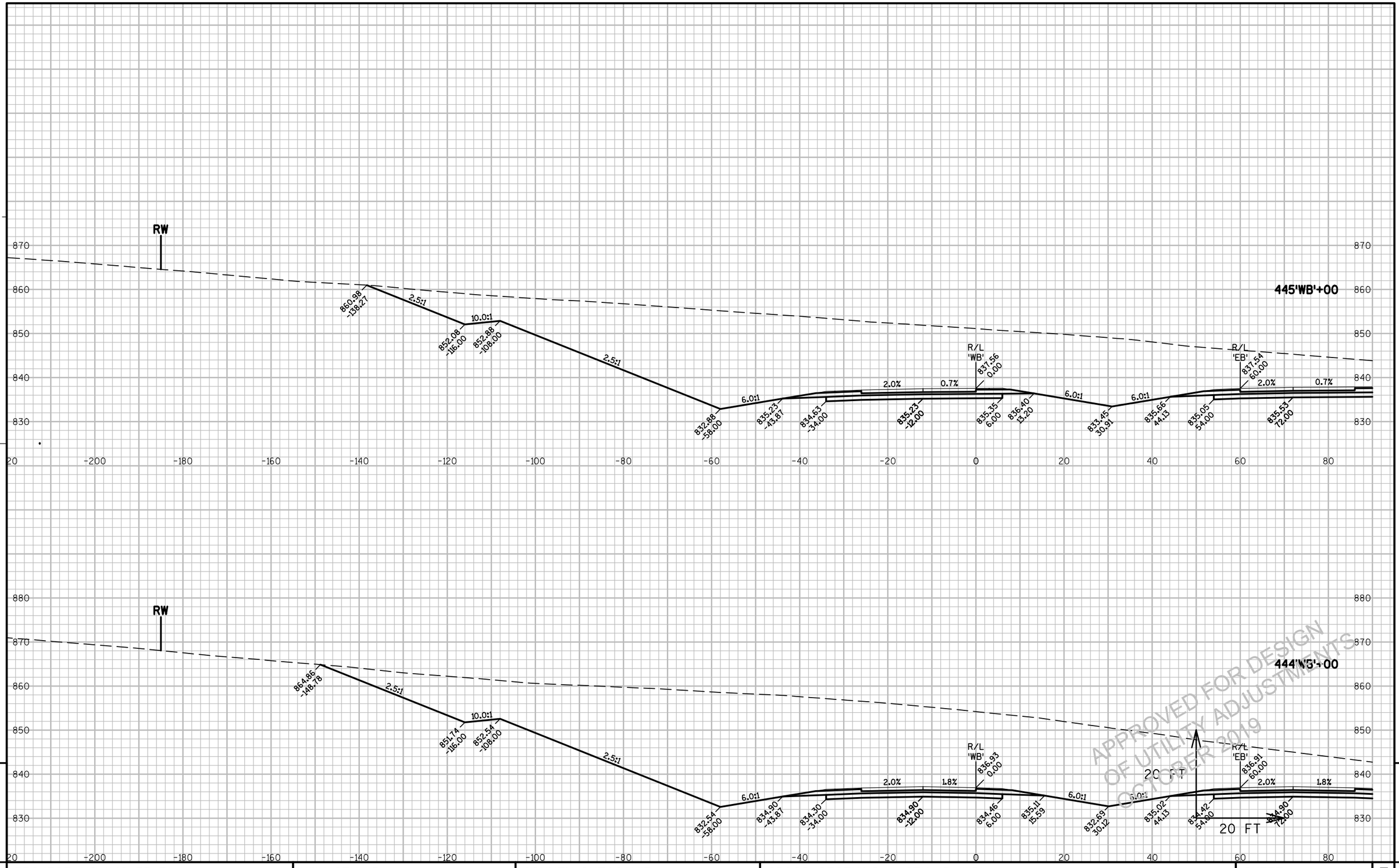
WISDOT/CADDS SHEET 49



PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS - STH 15 'WB'	SHEET E

PRE_450

FILE NAME : N:\PDS\C3D\11467571\SHEETSPLAN\11467571\11467571_090301_XS_04_STH15.DWG
LAYOUT NAME - 0903109_XS
PLOT DATE : 6/12/2019 12:23 PM PLOT BY : SIMMONS, MASON A PLOT NAME : PLOT SCALE : 1" = 20'_XREF



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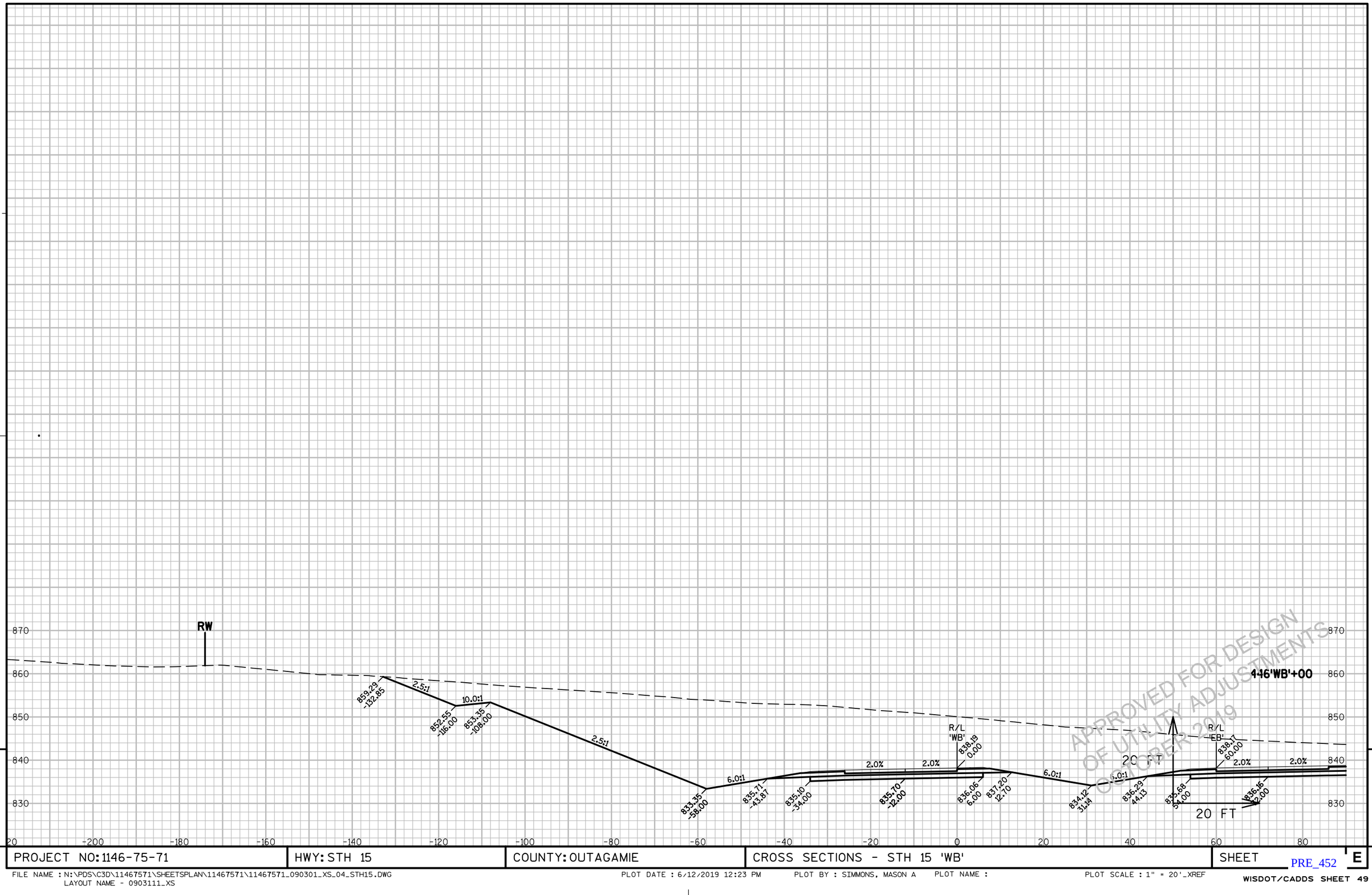
PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS - STH 15 'WB'	SHEET E

PRE_451

FILE NAME : N:\PDS\C3D\11467571\SHEETSPLAN\11467571\11467571_090301_XS_04_STH15.DWG
LAYOUT NAME - 0903110_XS

PLOT DATE : 6/12/2019 12:23 PM PLOT BY : SIMMONS, MASON A PLOT NAME : PLOT SCALE : 1" = 20'_XREF

WISDOT/CADDS SHEET 49

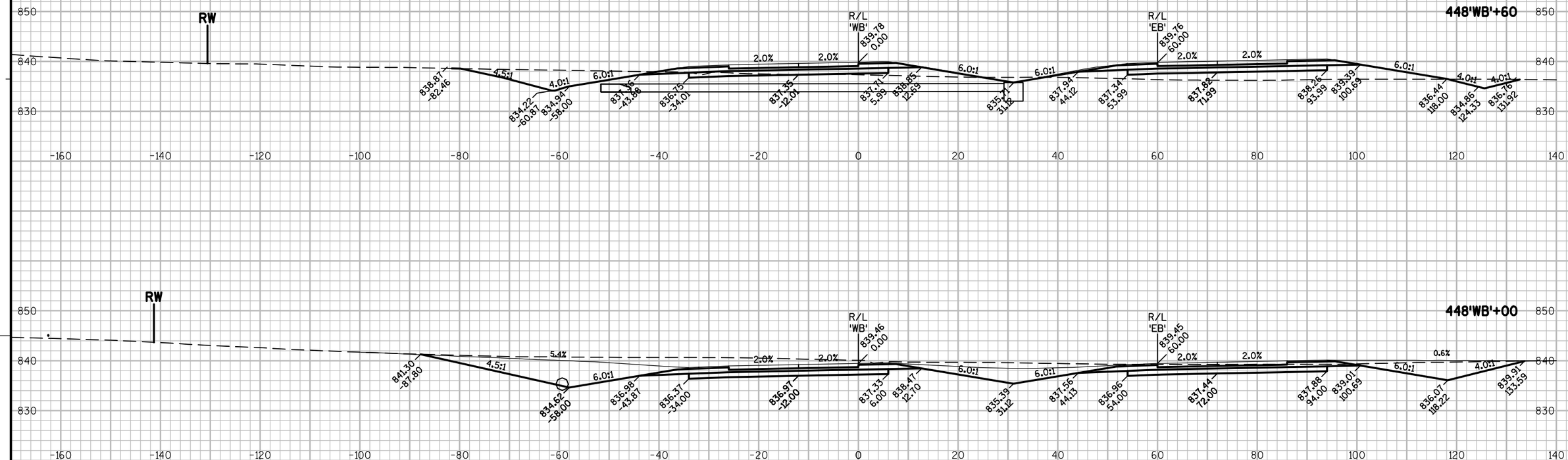


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OCTOBER 2019

PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS - STH 15 'WB'	SHEET E

FILE NAME : N:\PDS\C3D\11467571\SHEETSPLAN\11467571\11467571_090301_XS_04_STH15.DWG
LAYOUT NAME - 0903111_XS

PLOT DATE : 6/12/2019 12:23 PM PLOT BY : SIMMONS, MASON A PLOT NAME : PLOT SCALE : 1" = 20'_XREF



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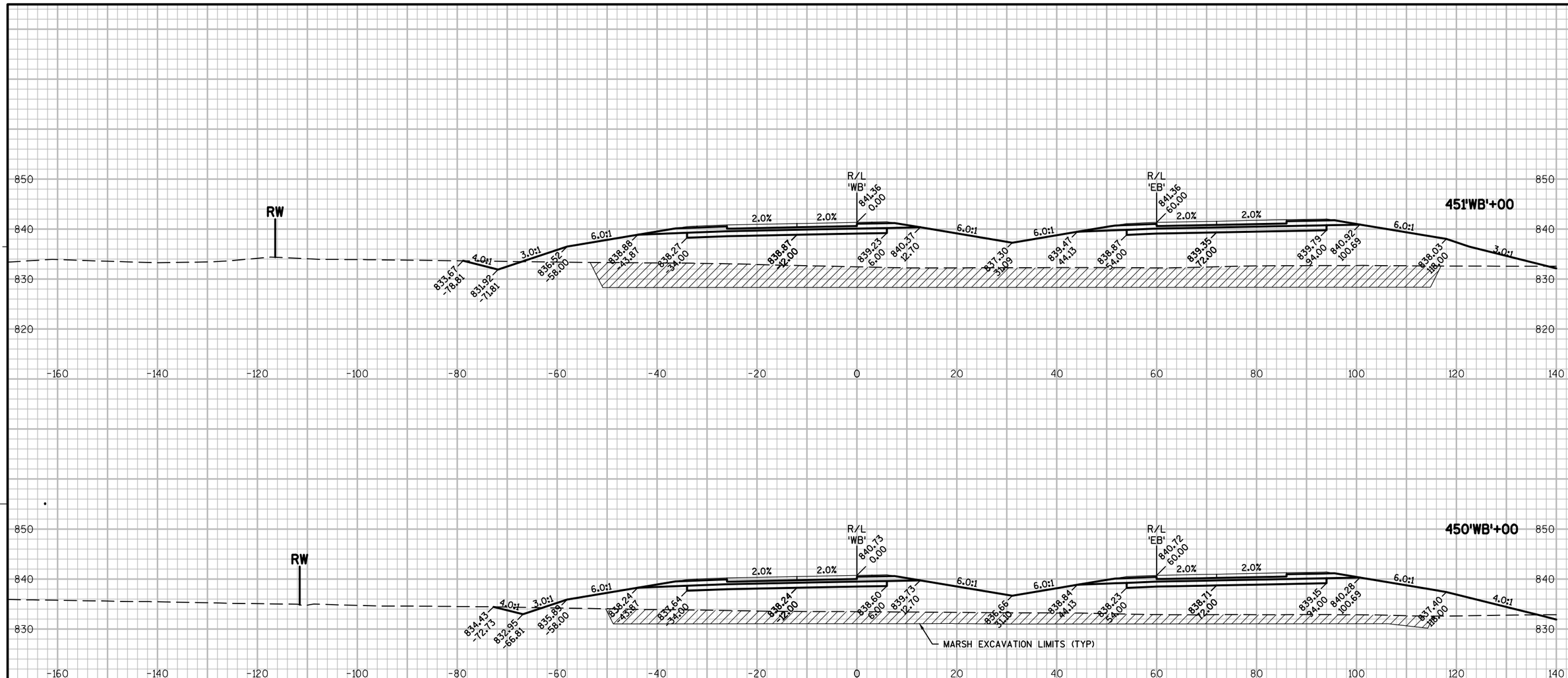
PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS - STH 15 'WB'	SHEET E

9

PRE_453

FILE NAME : N:\PDS\C3D\11467571\SHEETSPLAN\11467571\11467571_090301_XS_04_STH15.DWG
LAYOUT NAME - 0903112_XS

PLOT DATE : 6/12/2019 12:24 PM PLOT BY : SIMMONS, MASON A PLOT NAME : PLOT SCALE : 1" = 20'_XREF



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OF UTILITY ADJUSTMENTS
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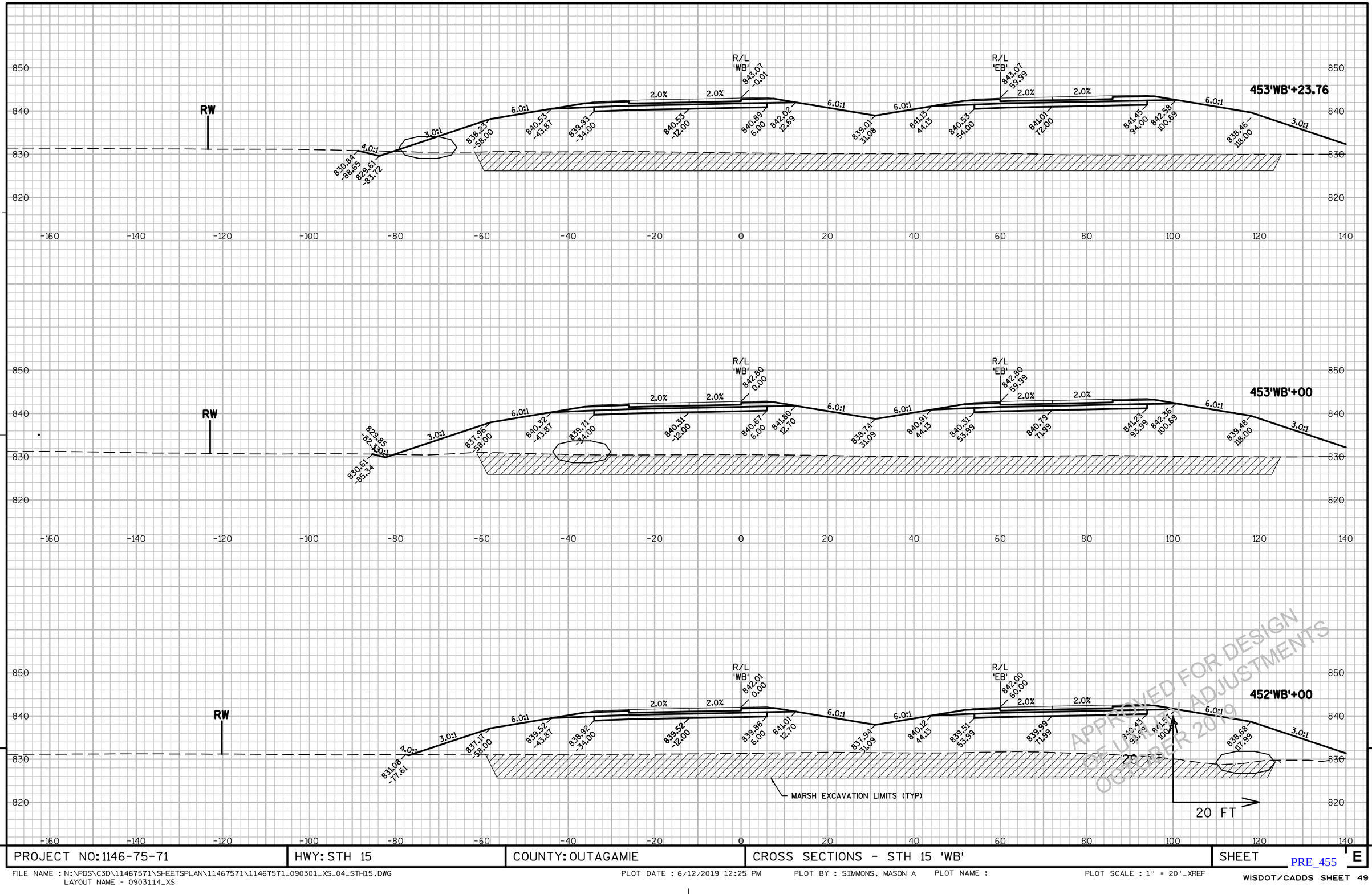
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PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS - STH 15 'WB'	SHEET E

PRE_454

FILE NAME : N:\PDS\C3D\11467571\SHEETSPLAN\11467571\11467571_090301_XS_04_STH15.DWG
LAYOUT NAME - 0903113_XS

PLOT DATE : 6/12/2019 12:24 PM PLOT BY : SIMMONS, MASON A PLOT NAME : PLOT SCALE : 1" = 20'_XREF

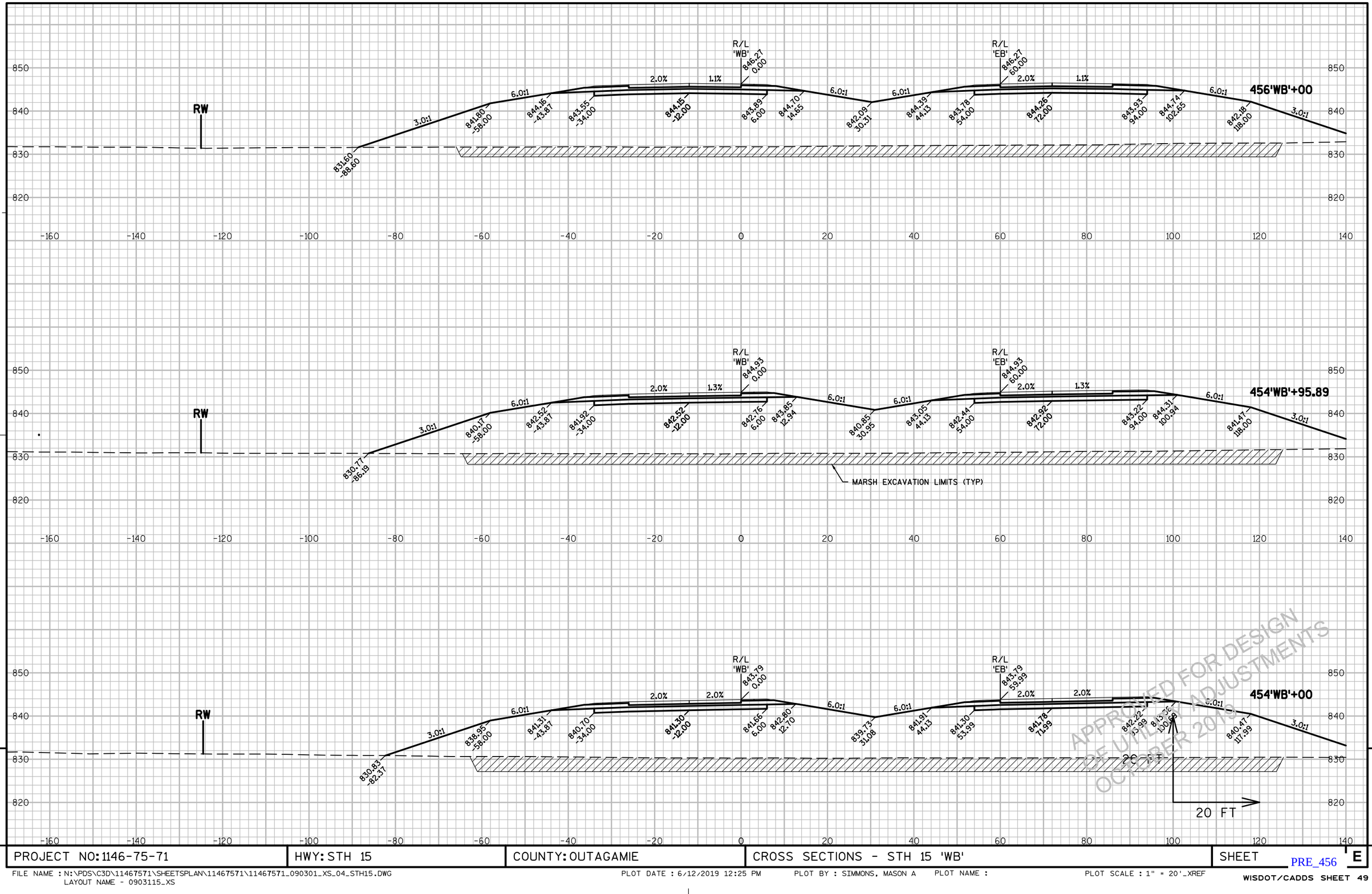


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PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS - STH 15 'WB'	SHEET E

FILE NAME : N:\PDS\C3D\11467571\SHEETSPLAN\11467571\11467571_090301_XS_04_STH15.DWG
LAYOUT NAME - 0903114_XS

PLOT DATE : 6/12/2019 12:25 PM PLOT BY : SIMMONS, MASON A PLOT NAME : PLOT SCALE : 1" = 20'_XREF



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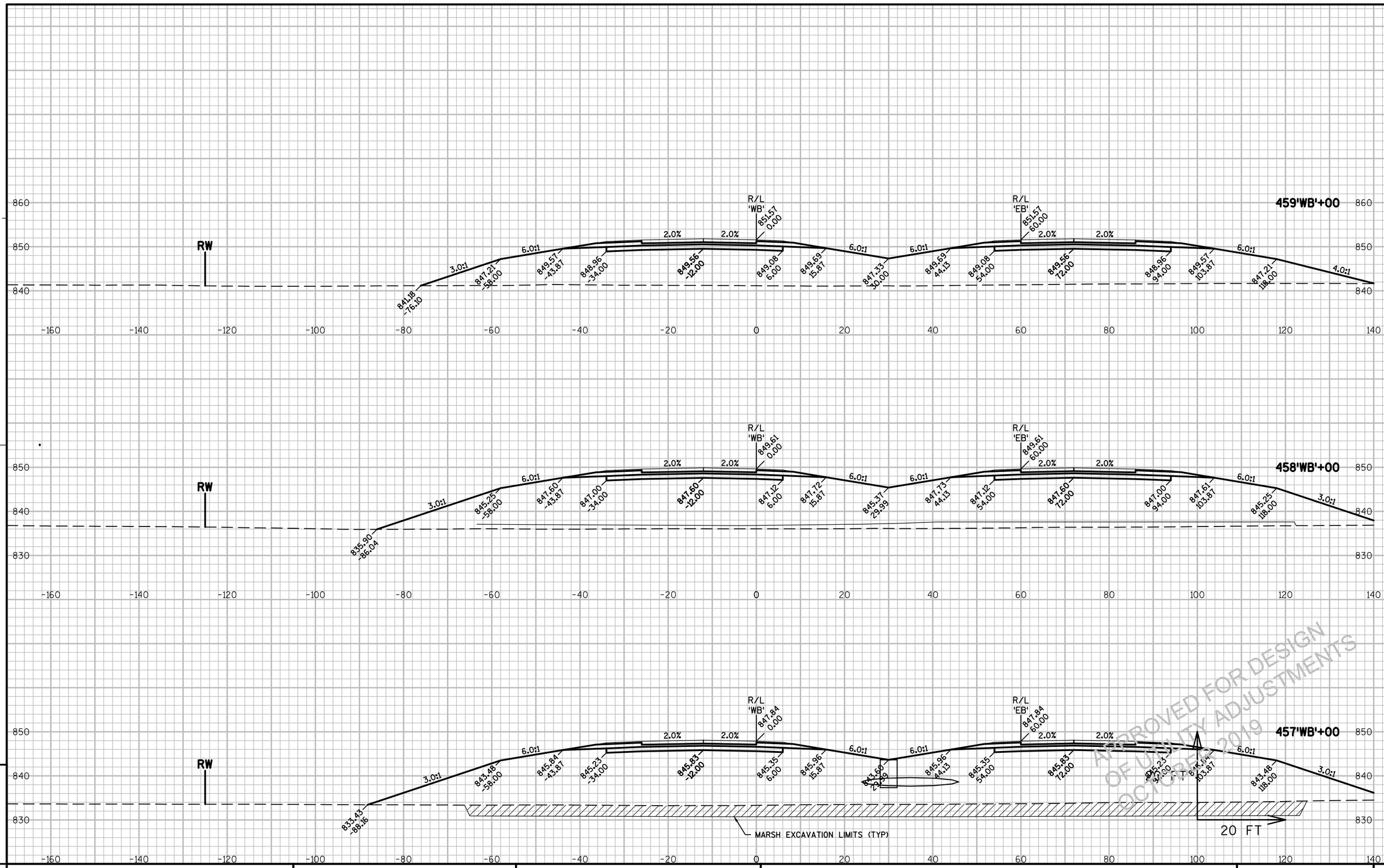
PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS - STH 15 'WB'	SHEET E

PRE_456

FILE NAME : N:\PDS\C3D\11467571\SHEETSPLAN\11467571\11467571_090301_XS_04_STH15.DWG
LAYOUT NAME - 0903115_XS

PLOT DATE : 6/12/2019 12:25 PM PLOT BY : SIMMONS, MASON A PLOT NAME : PLOT SCALE : 1" = 20'_XREF

WISDOT/CADDS SHEET 49



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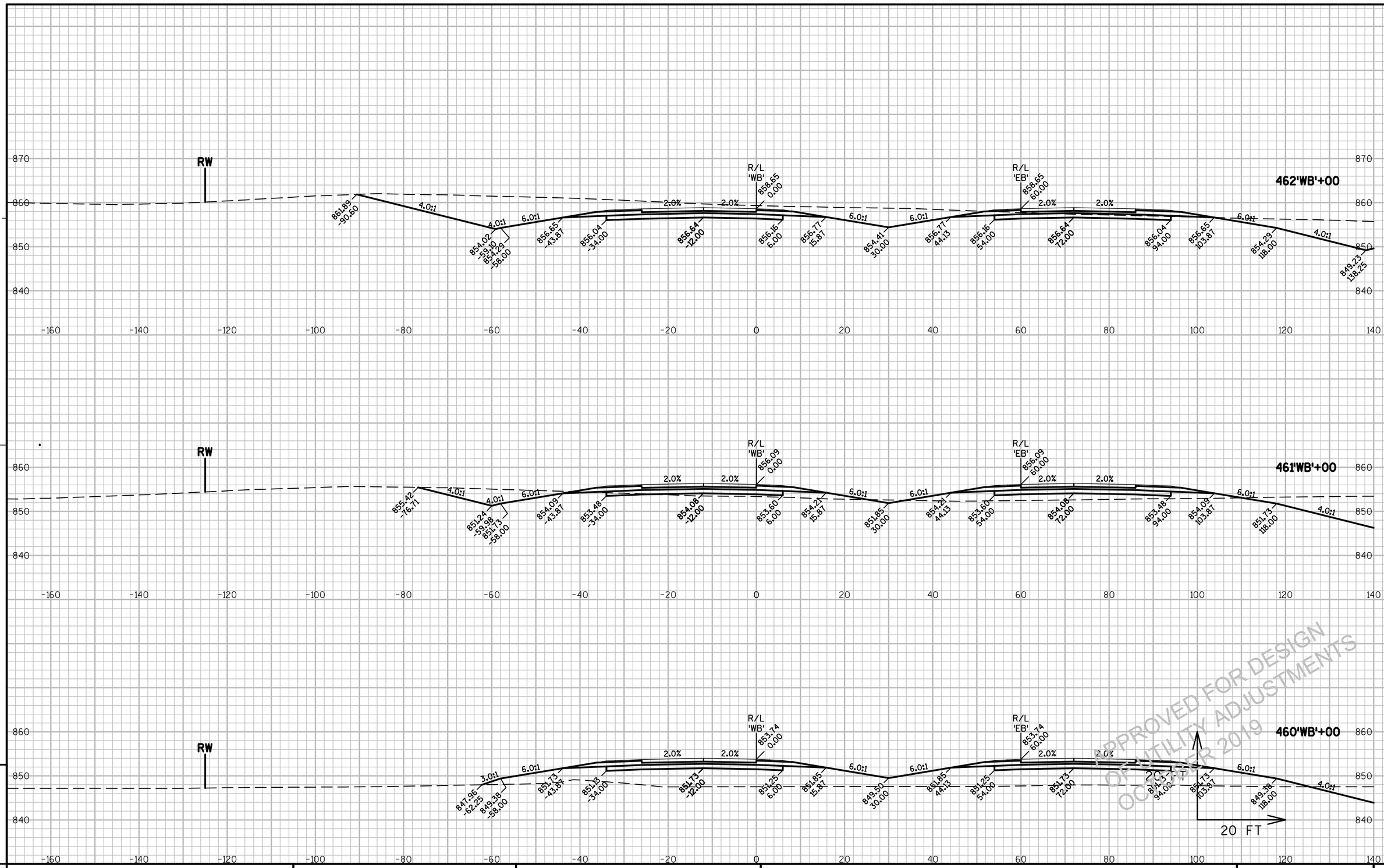
PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS - STH 15 'WB'	SHEET E

PRE_457

FILE NAME : N:\PDS\C3D\11467571\SHEETSPLAN\11467571\11467571_090301_XS_04_STH15.DWG
LAYOUT NAME - 0903116_XS

PLOT DATE : 6/12/2019 12:26 PM PLOT BY : SIMMONS, MASON A PLOT NAME : PLOT SCALE : 1" = 20'_XREF

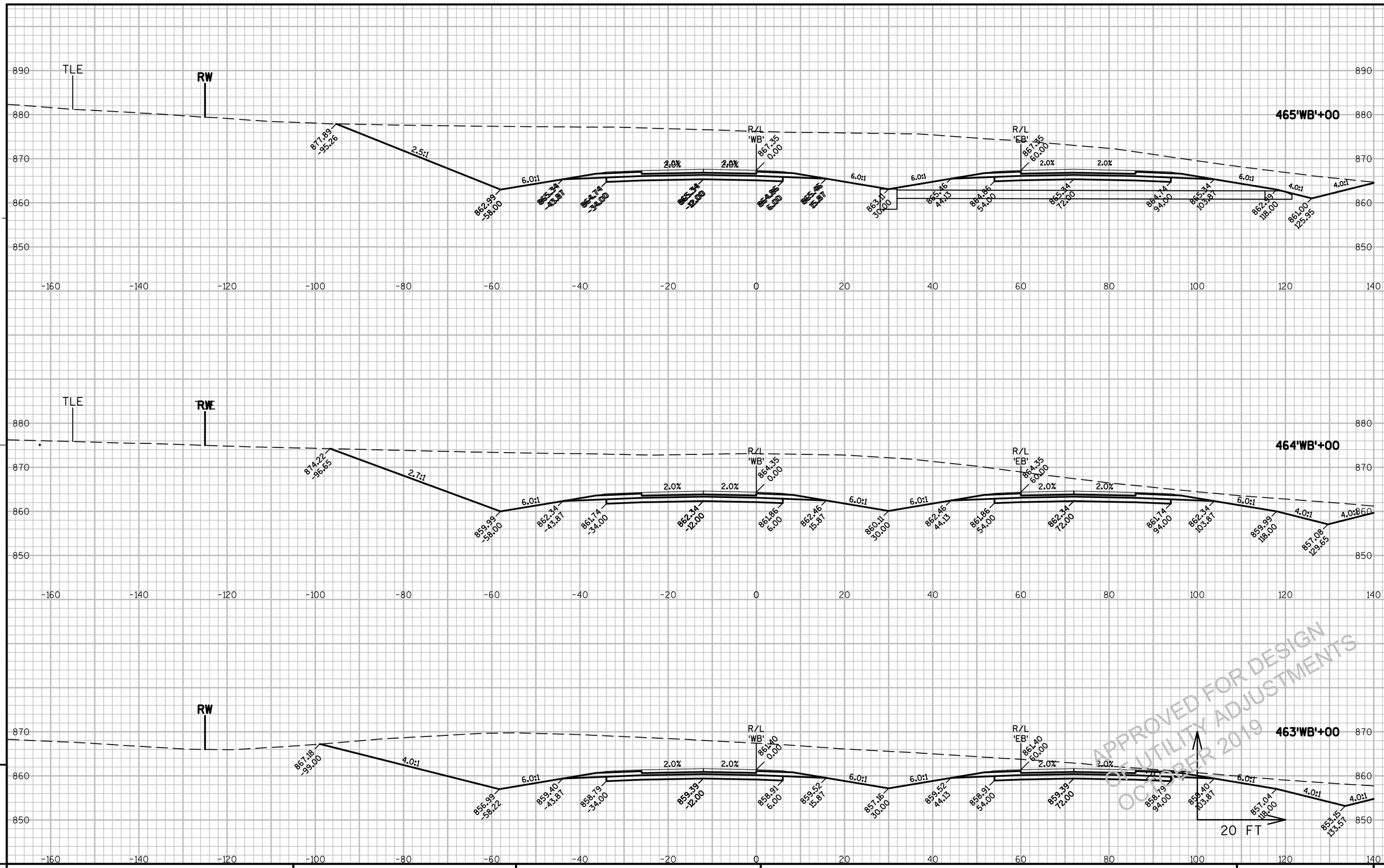
WISDOT/CADDS SHEET 49



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OF UTILITY ADJUSTMENTS
OCTOBER 2019

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PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS - STH 15 'WB'	SHEET E

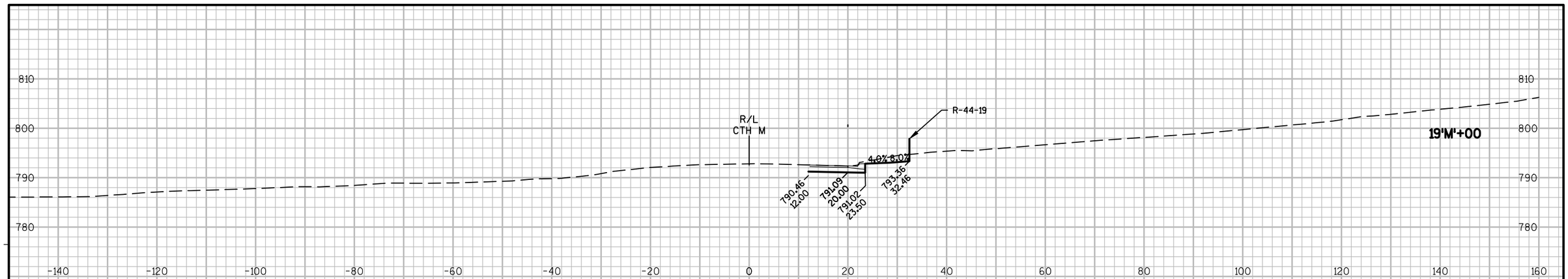


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OCTOBER 2019
UTILITY ADJUSTMENTS
OCTOBER

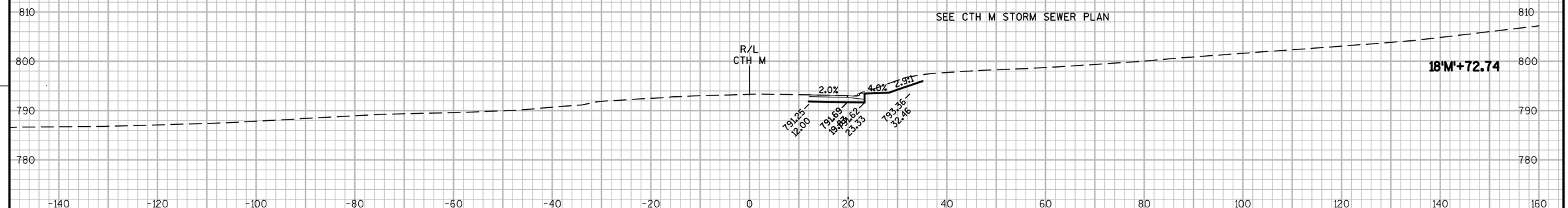
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PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS - STH 15 'WB'	SHEET E

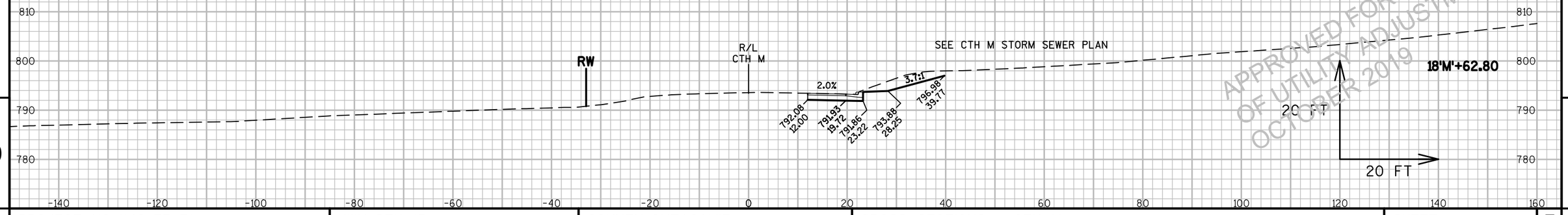
FILE NAME : N:\PDS\C3D\11467571\SHEETSPLAN\11467571\11467571_090301_XS_04_STH15.DWG
LAYOUT NAME - 0903118_XS
PLOT DATE : 6/12/2019 12:27 PM
PLOT BY : SIMMONS, MASON A
PLOT NAME :
PLOT SCALE : 1" = 20'_XREF



SEE CTH M STORM SEWER PLAN



SEE CTH M STORM SEWER PLAN



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OCTOBER 2019

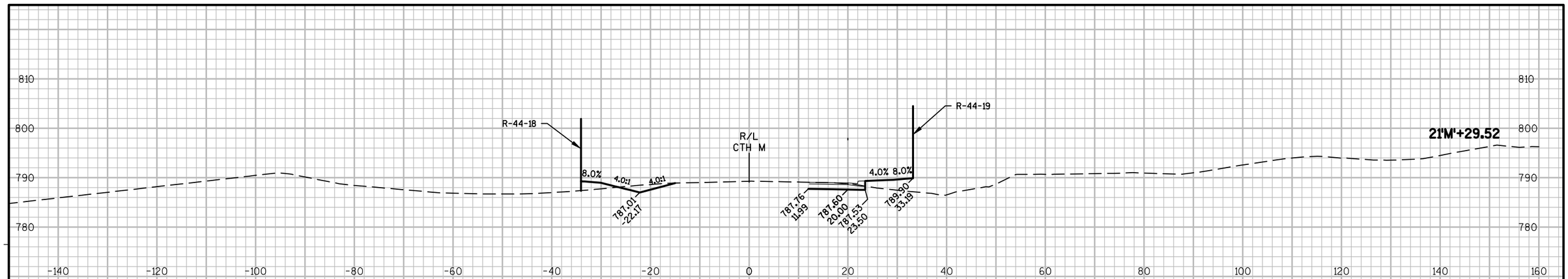
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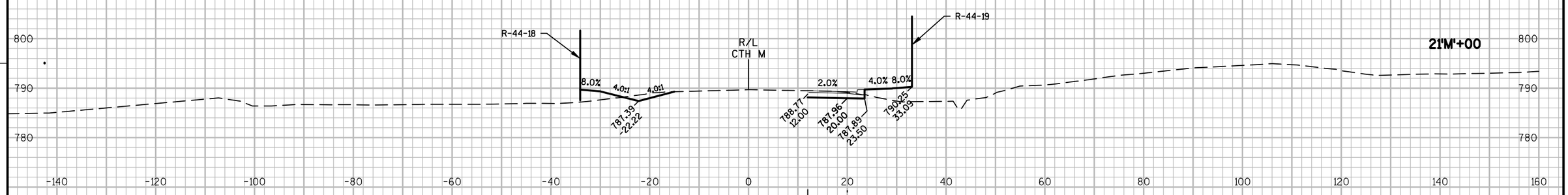
PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS - CTH M	SHEET E

FILE NAME : N:\PDS\C3D\11467571\SHEETSPLAN\11467571\11467571_090501_XS (CTH M).DWG
LAYOUT NAME - 090501_XS

PLOT DATE : 8/20/2019 9:51 AM PLOT BY : SIMMONS, MASON A PLOT NAME : PLOT SCALE : 1 IN:20 FT

PRE_460







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OF UTILITY ADJUSTMENTS
OCTOBER 2019

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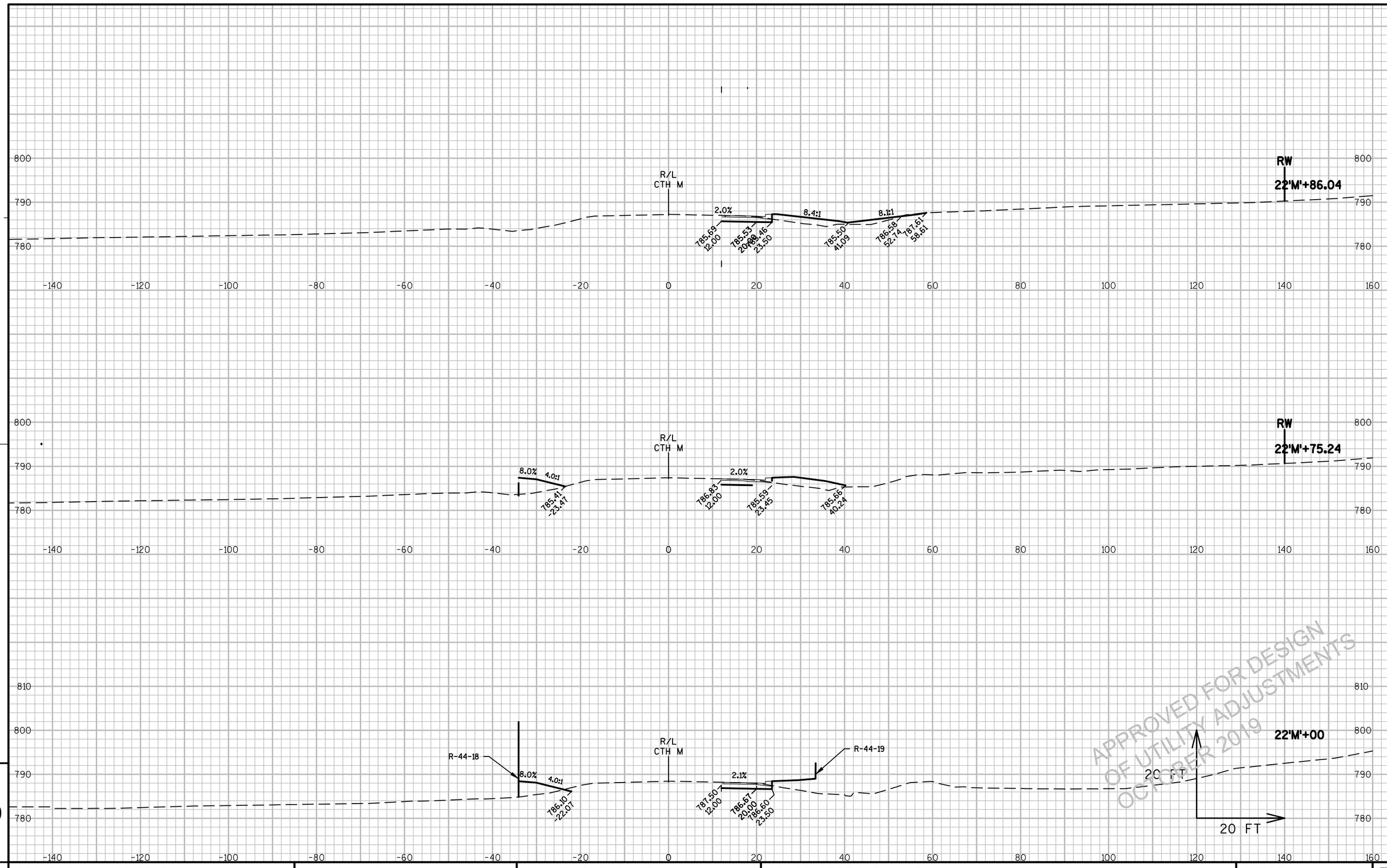
PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS - CTH M	SHEET E

FILE NAME : N:\PDS\C3D\11467571\SHEETSPLAN\11467571\11467571_090501_XS (CTH M).DWG
LAYOUT NAME - 090502_XS

PLOT DATE : 8/20/2019 9:51 AM PLOT BY : SIMMONS, MASON A PLOT NAME : PLOT SCALE : 1 IN:20 FT

PRE_461

WISDOT/CADDS SHEET 49



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OF UTILITY ADJUSTMENTS
OCTOBER 2019

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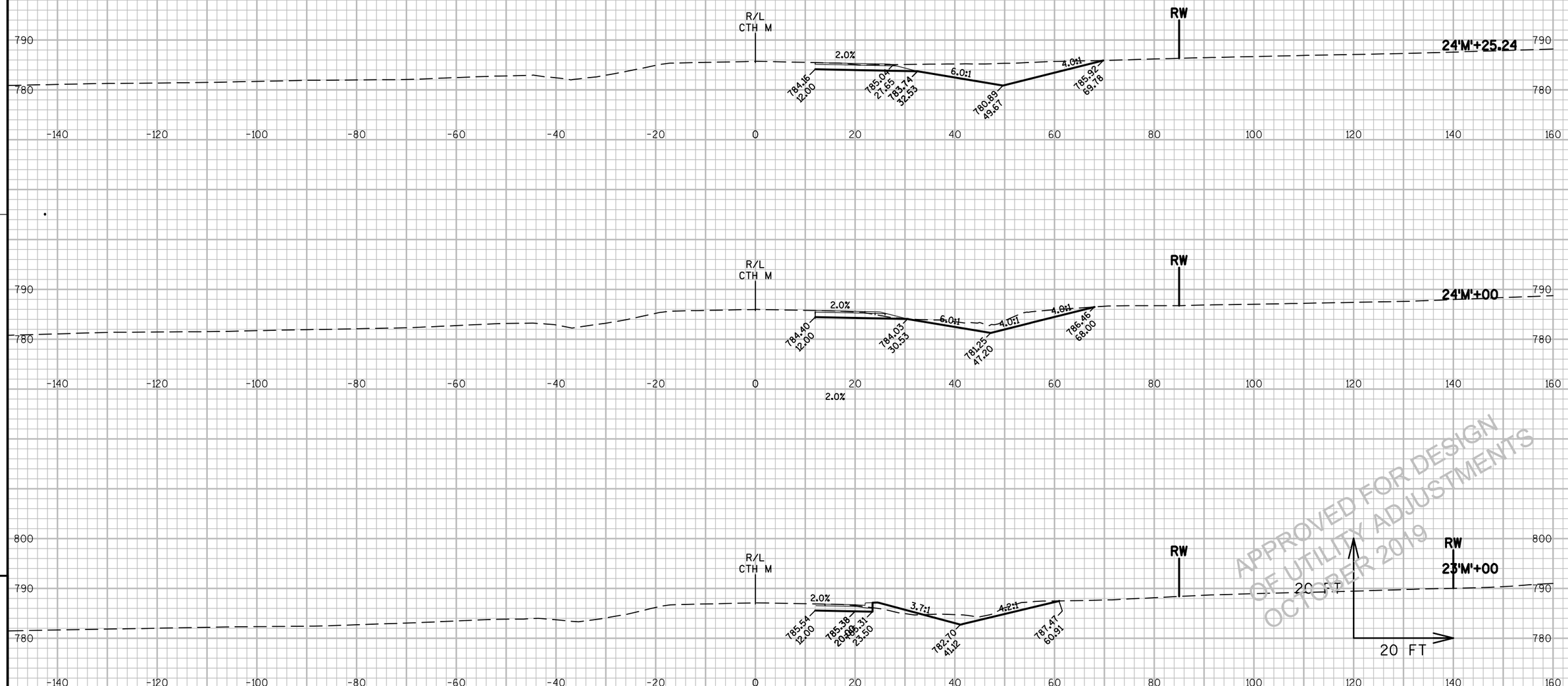
PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS - CTH M	SHEET E

FILE NAME : N:\PDS\C3D\11467571\SHEETSPLAN\11467571\11467571_090501_XS (CTH M).DWG
LAYOUT NAME - 090503_XS

PLOT DATE : 8/20/2019 9:51 AM PLOT BY : SIMMONS, MASON A PLOT NAME : PLOT SCALE : 1 IN:20 FT

PRE_462

WISDOT/CADDS SHEET 49



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OF UTILITY ADJUSTMENTS
OCTOBER 2019

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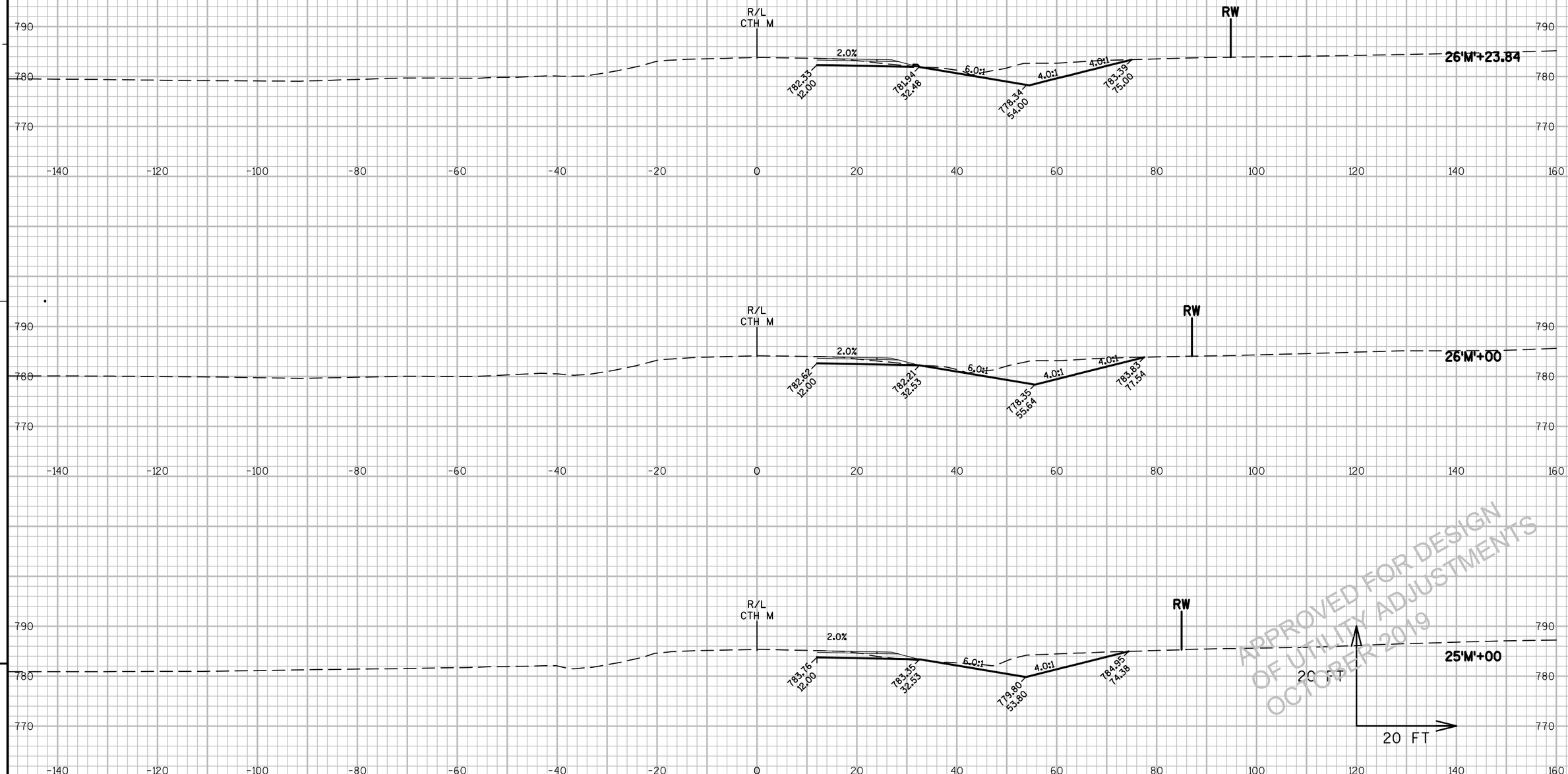
PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS - CTH M	SHEET E

PRE_463

FILE NAME : N:\PDS\C3D\11467571\SHEETSPLAN\11467571\11467571_090501_XS (CTH M).DWG
LAYOUT NAME - 090504_XS

PLOT DATE : 8/20/2019 9:51 AM PLOT BY : SIMMONS, MASON A PLOT NAME : PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 49



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OF UTILITY ADJUSTMENTS
OCTOBER 2019

20 FT

20 FT

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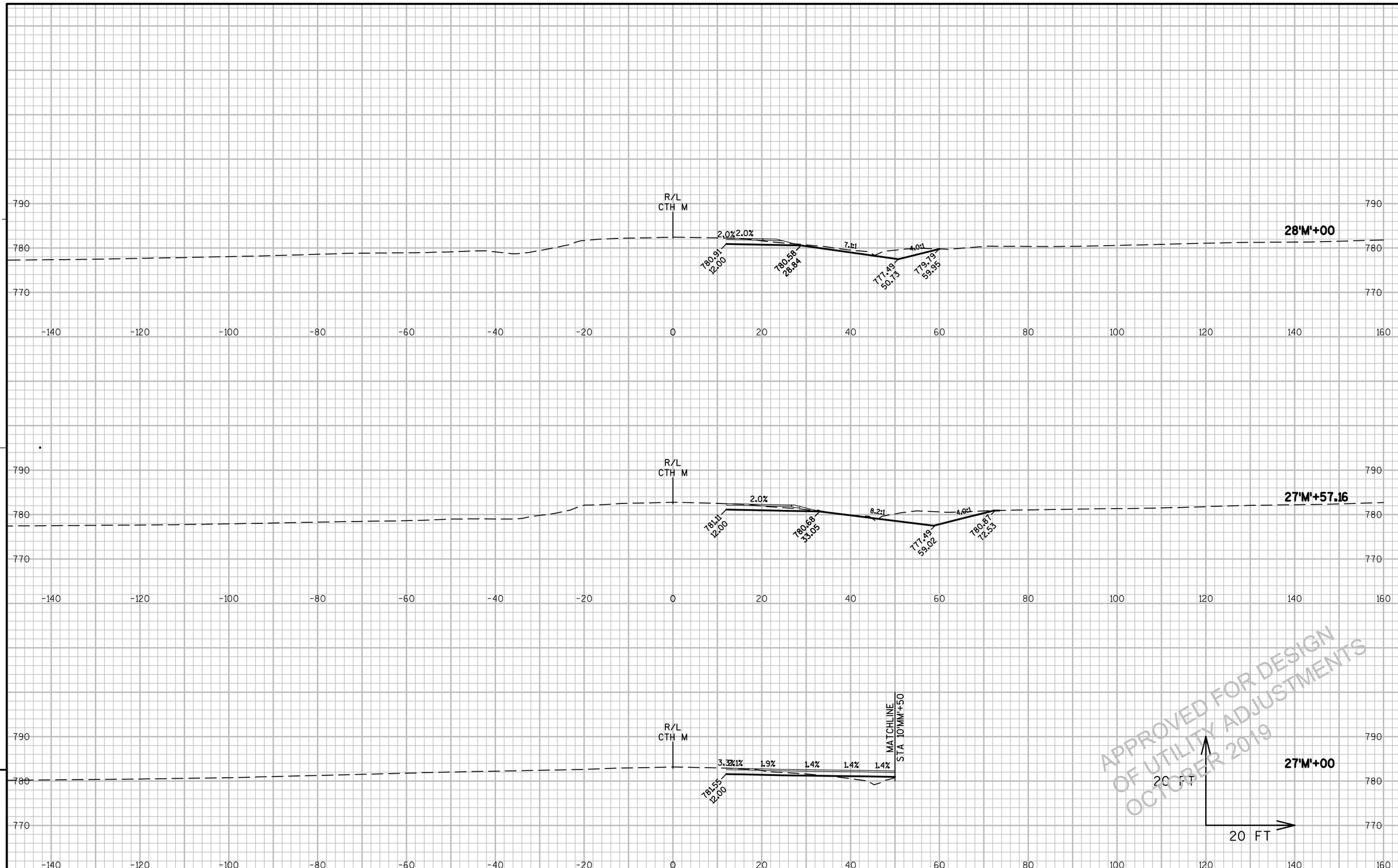
PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS - CTH M	SHEET E

PRE_464

FILE NAME : N:\PDS\C3D\11467571\SHEETSPLAN\11467571\11467571_090501_XS (CTH M).DWG
LAYOUT NAME - 090505_XS

PLOT DATE : 8/20/2019 9:51 AM PLOT BY : SIMMONS, MASON A PLOT NAME : PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 49



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OF UTILITY ADJUSTMENTS
OCTOBER 2019

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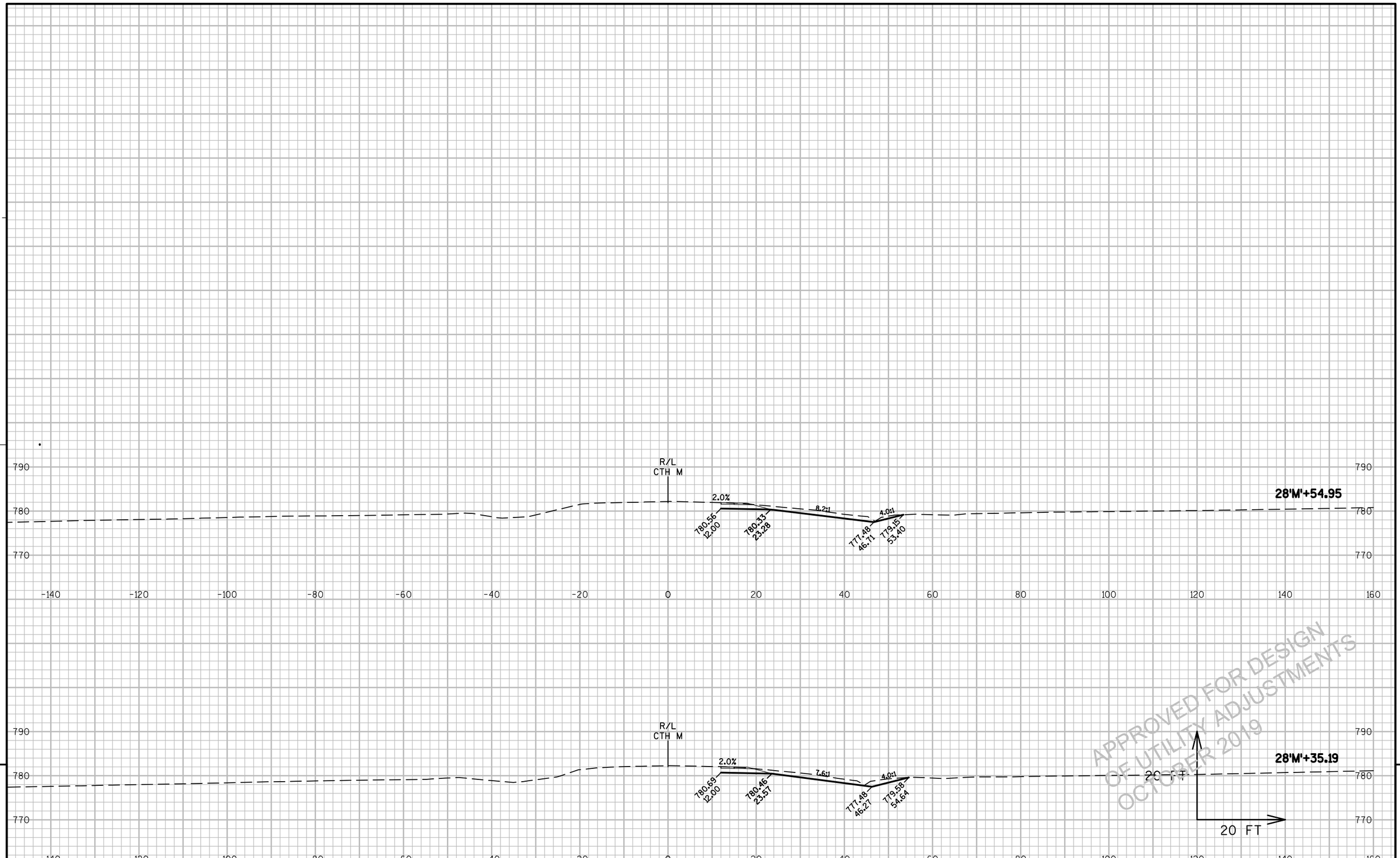
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PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS - CTH M	SHEET E

PRE_465

FILE NAME : N:\PDS\C3D\11467571\SHEETSPLAN\11467571\11467571_090501_XS (CTH M).DWG
LAYOUT NAME - 090506_XS

PLOT DATE : 8/20/2019 9:51 AM PLOT BY : SIMMONS, MASON A PLOT NAME : PLOT SCALE : 1 IN:20 FT



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OCTOBER 2019

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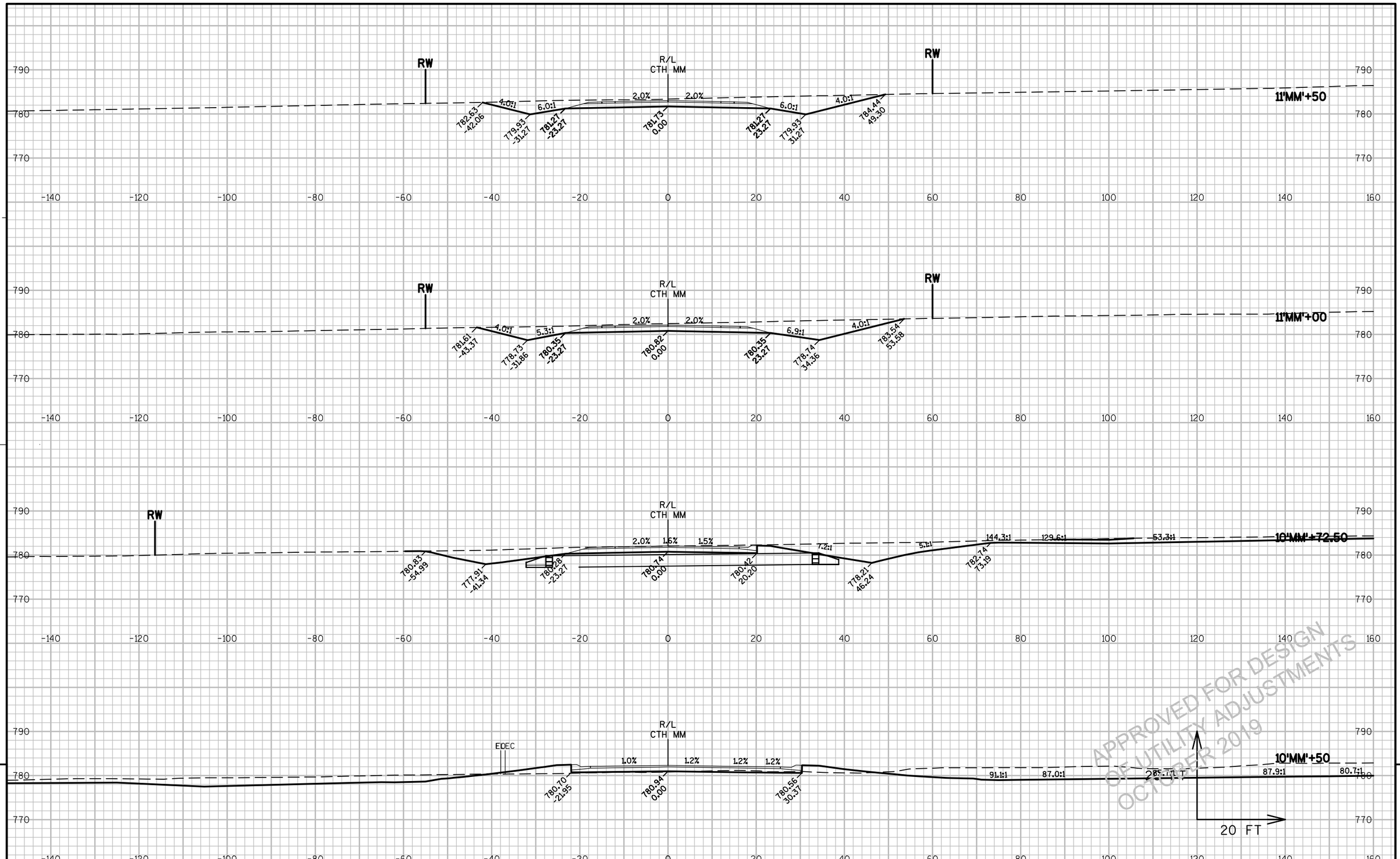
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PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS - CTH M	SHEET E

PRE_466

FILE NAME : N:\PDS\C3D\11467571\SHEETSPLAN\11467571\11467571_090501_XS (CTH M).DWG
LAYOUT NAME - 090507_XS

PLOT DATE : 8/20/2019 9:51 AM PLOT BY : SIMMONS, MASON A PLOT NAME : PLOT SCALE : 1 IN:20 FT



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OCTOBER 2019

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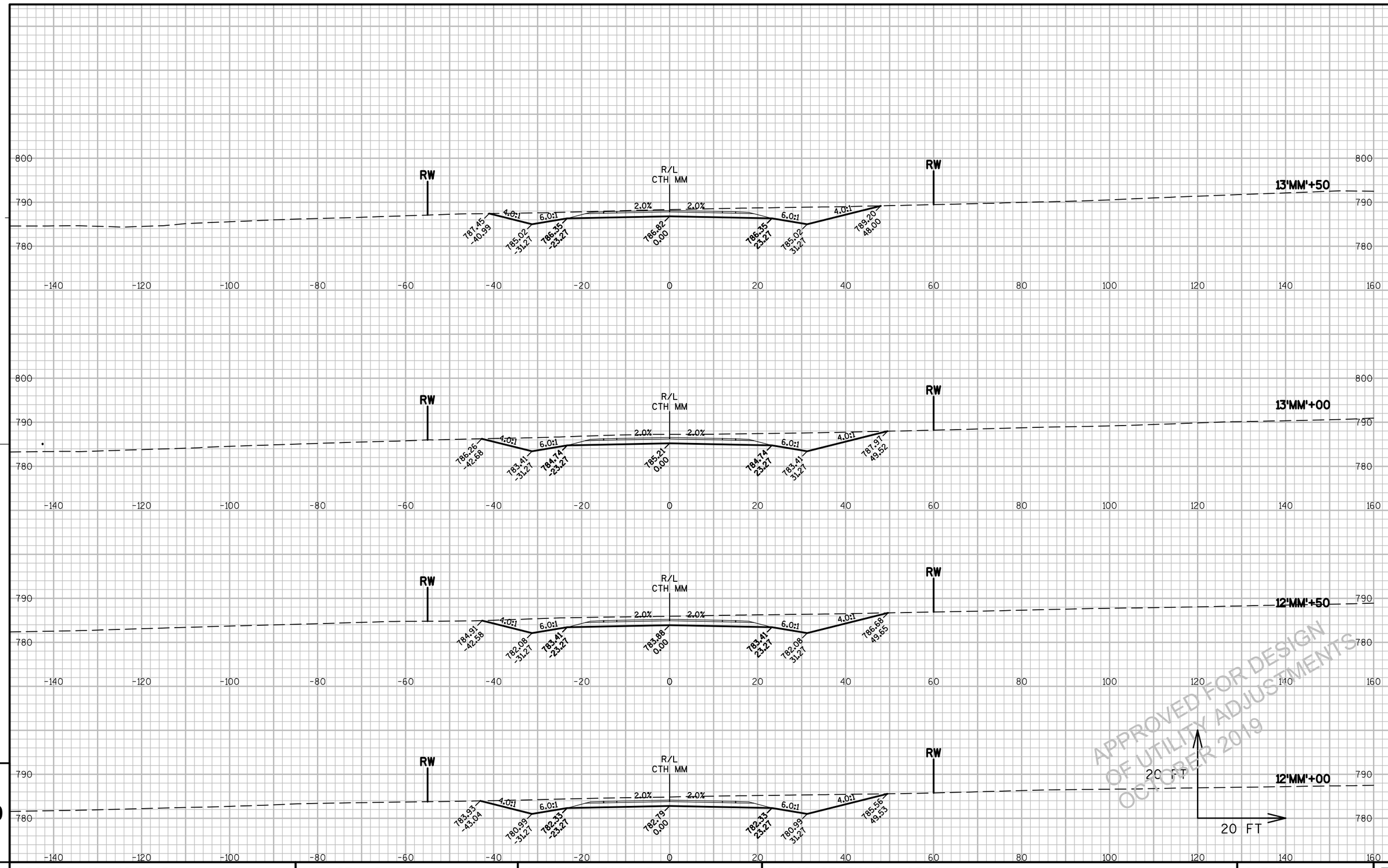
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PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS - CTH MM	SHEET E

PRE_467

FILE NAME : S:\PDS\C3D\WIS15\11467571\SHEETSPLAN\11467571_090601_XS.DWG
LAYOUT NAME - 090601-XS

PLOT DATE : 2/24/2015 9:34 AM PLOT BY : HEIM, BRENT P PLOT NAME : PLOT SCALE : 1:20_XREF



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OF UTILITY ADJUSTMENTS
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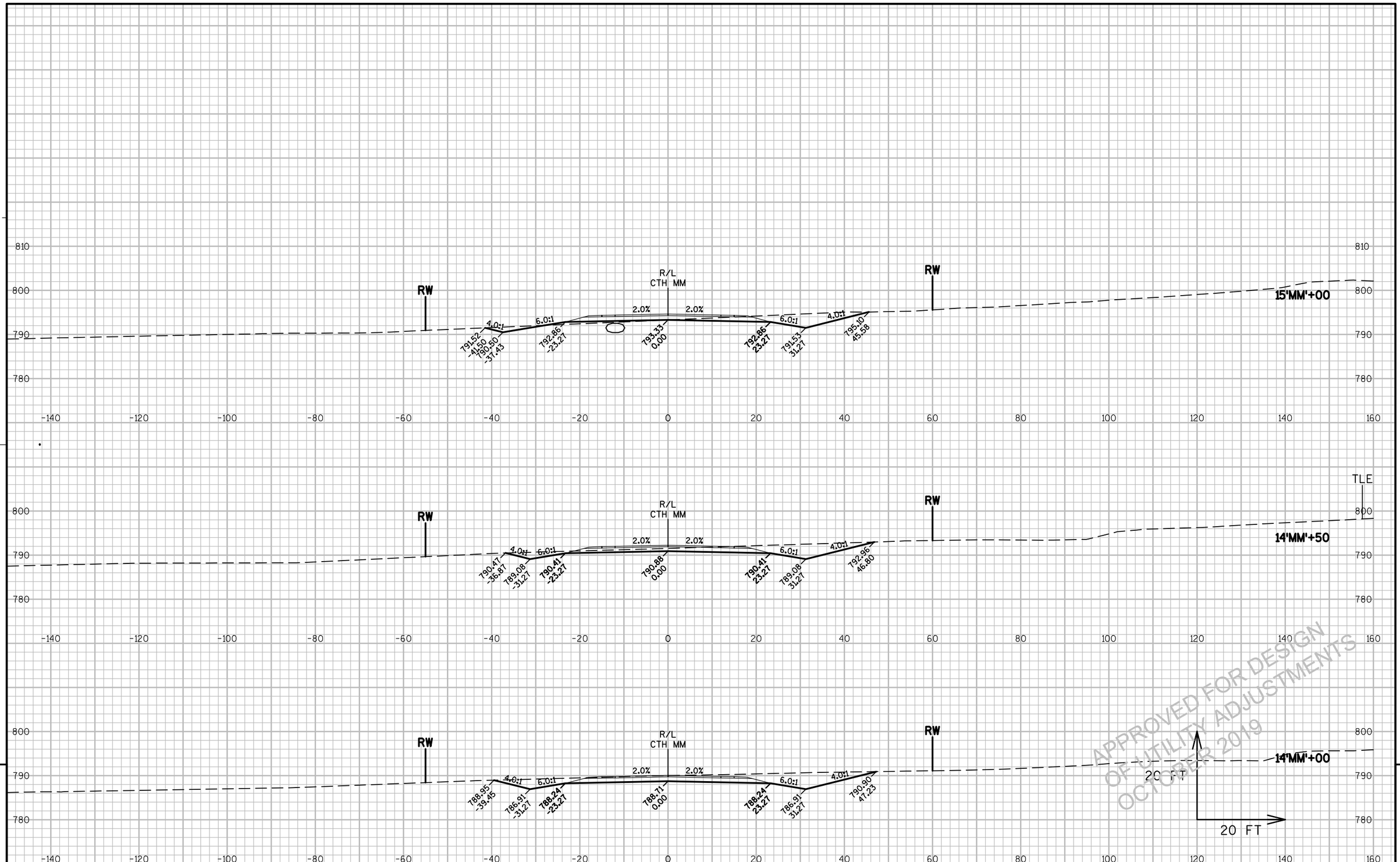
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PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS - CTH MM	SHEET E

FILE NAME : S:\PDS\C3D\WIS15\11467571\SHEETSPLAN\11467571_090601_XS.DWG
LAYOUT NAME - 090602-XS

PLOT DATE : 2/24/2015 9:34 AM PLOT BY : HEIM, BRENT P PLOT NAME : PLOT SCALE : 1:20_XREF



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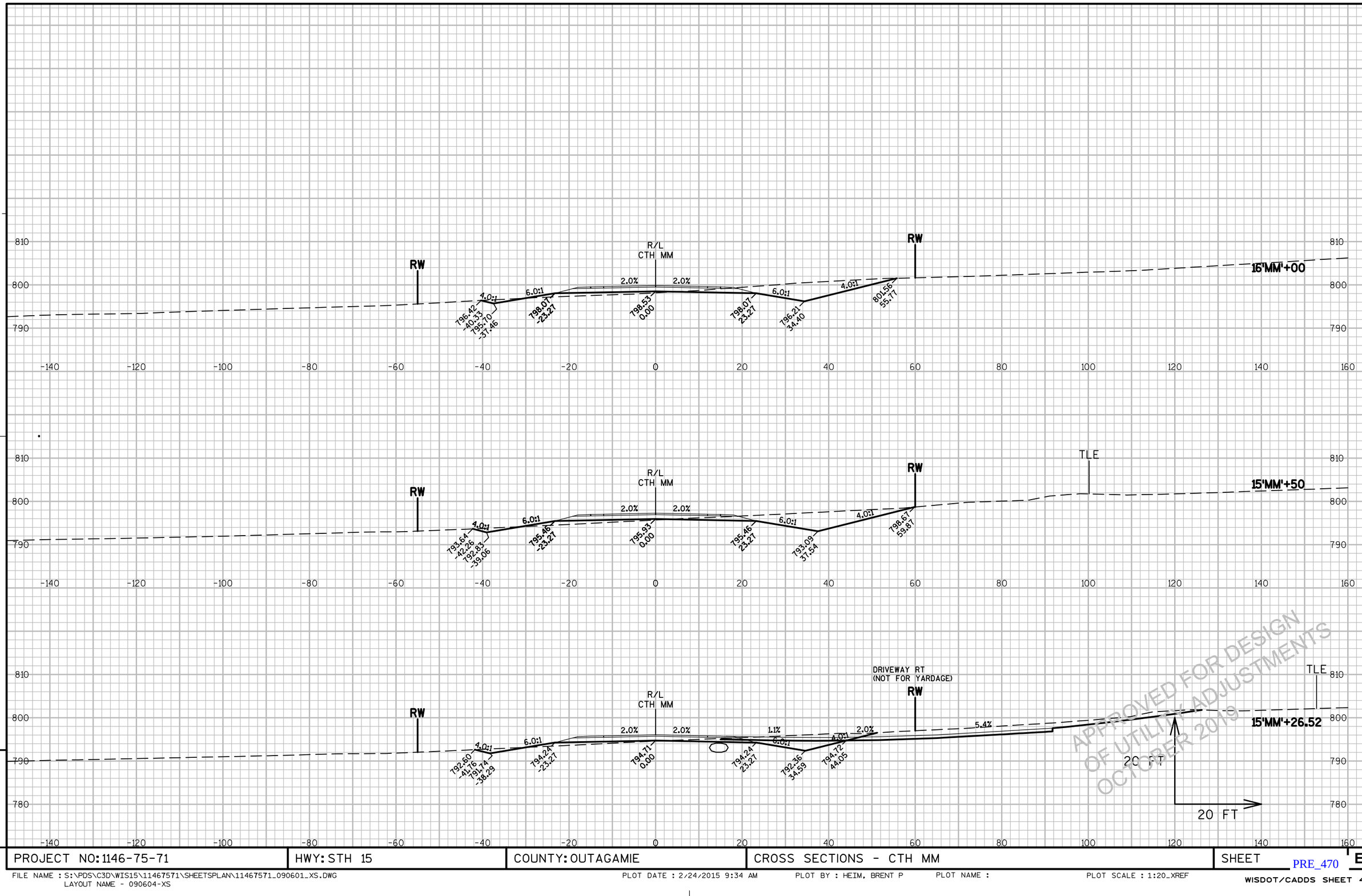
PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS - CTH MM	SHEET E

PRE_469

FILE NAME : S:\PDS\C3D\WIS15\11467571\SHEETSPLAN\11467571_090601_XS.DWG
LAYOUT NAME - 090603-XS

PLOT DATE : 2/24/2015 9:34 AM PLOT BY : HEIM, BRENT P PLOT NAME : PLOT SCALE : 1:20_XREF

WISDOT/CADDS SHEET 49



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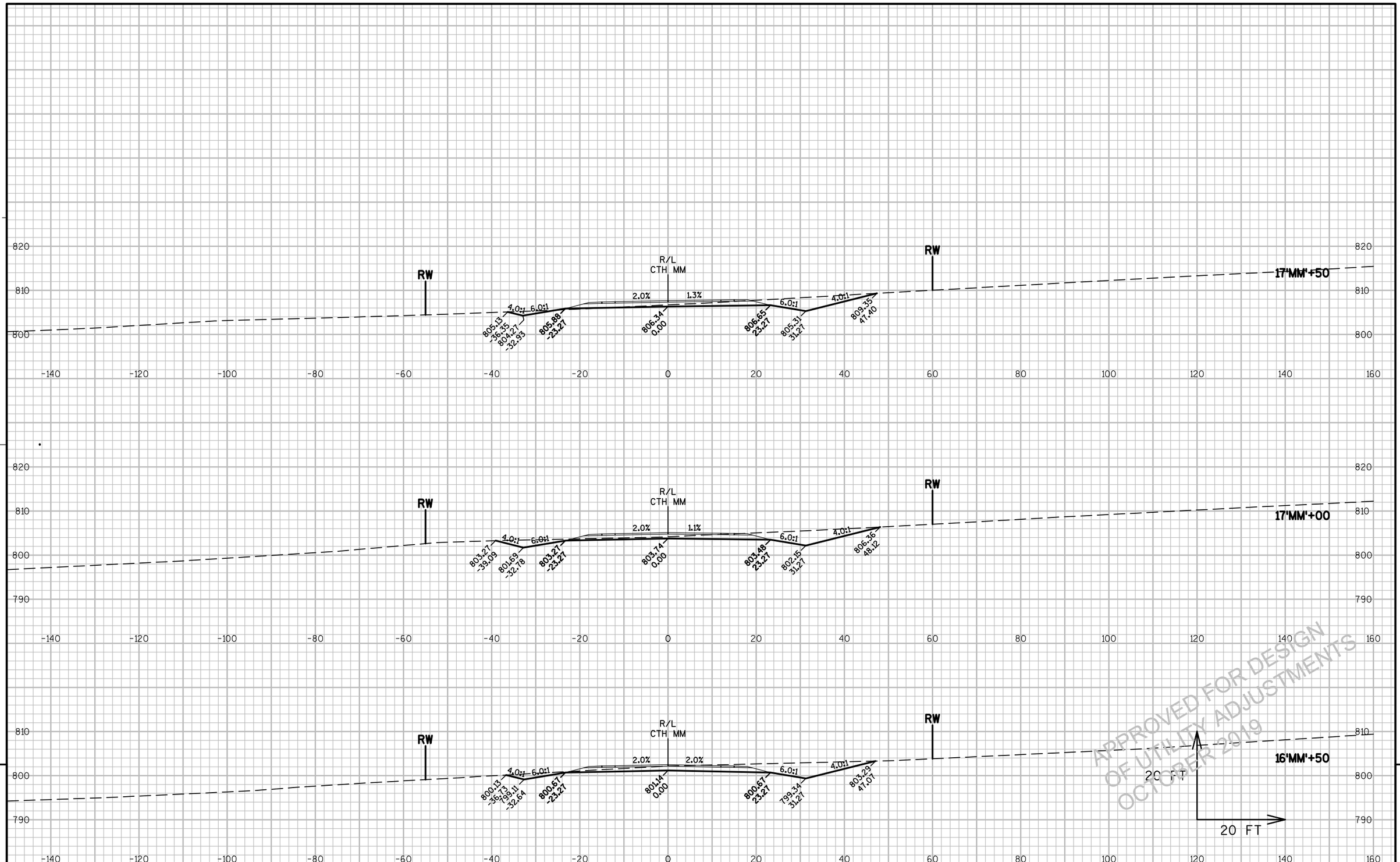
PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS - CTH MM	SHEET E

PRE_470

FILE NAME : S:\PDS\C3D\WIS15\11467571\SHEETSPLAN\11467571_090601_XS.DWG
LAYOUT NAME - 090604-XS

PLOT DATE : 2/24/2015 9:34 AM PLOT BY : HEIM, BRENT P PLOT NAME : PLOT SCALE : 1:20_XREF

WISDOT/CADDS SHEET 49



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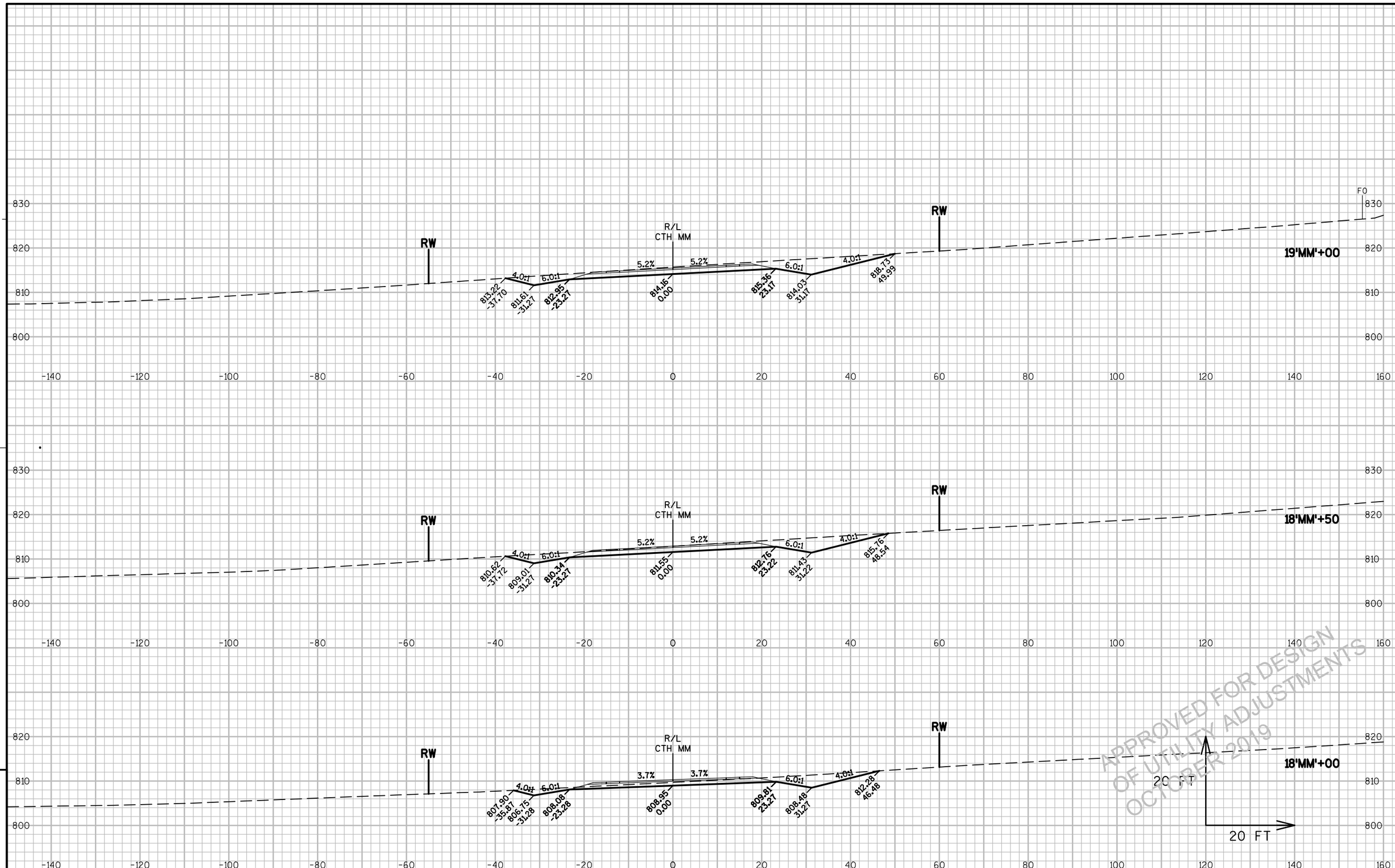
PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS - CTH MM	SHEET E

PRE_471

FILE NAME : S:\PDS\C3D\WIS15\11467571\SHEETSPLAN\11467571_090601_XS.DWG
LAYOUT NAME - 090605-XS

PLOT DATE : 2/24/2015 9:34 AM PLOT BY : HEIM, BRENT P PLOT NAME : PLOT SCALE : 1:20_XREF

WISDOT/CADDS SHEET 49



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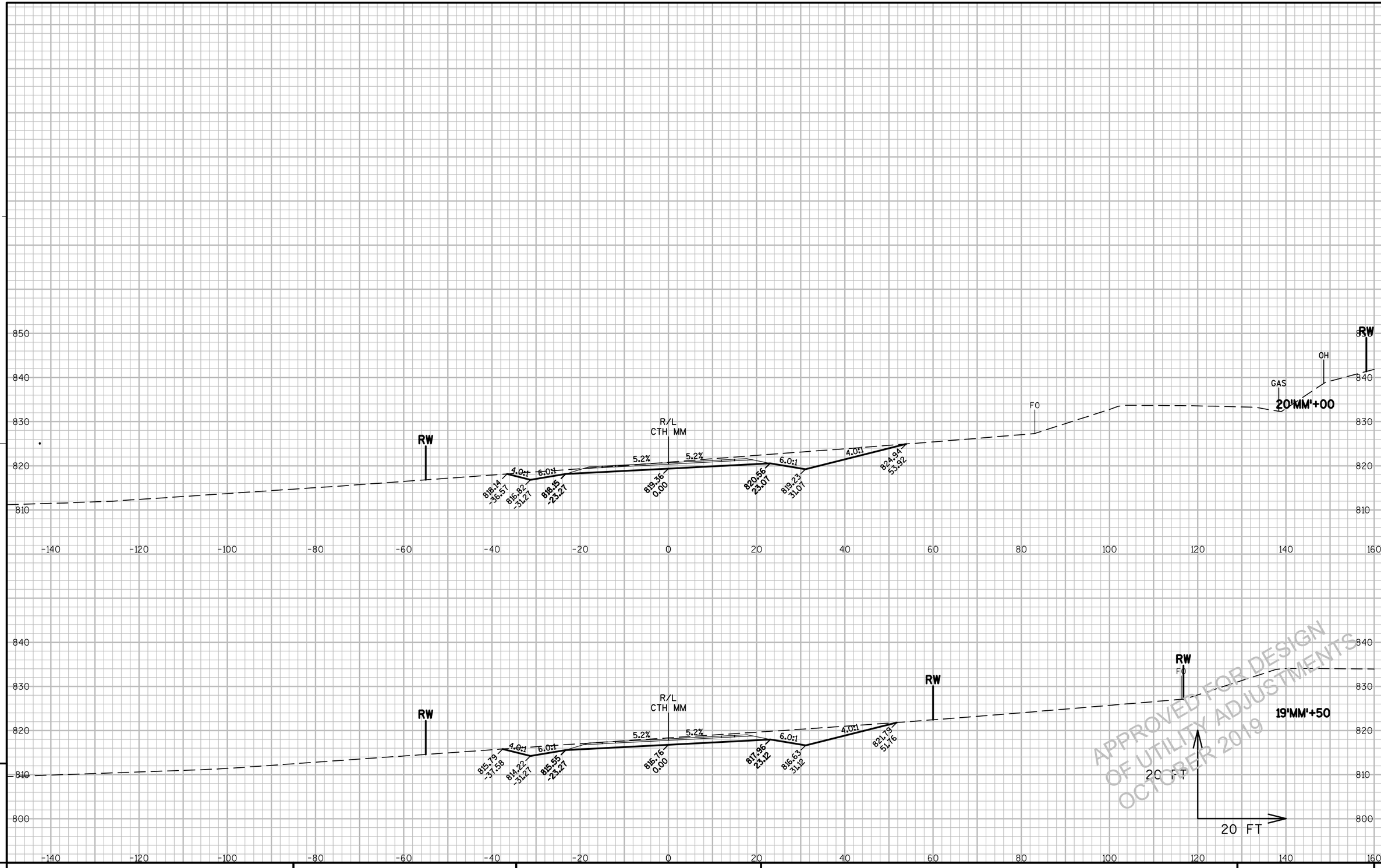
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PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS - CTH MM	SHEET E

PRE_472

FILE NAME : S:\PDS\C3D\WIS15\11467571\SHEETSPLAN\11467571_090601_XS.DWG
LAYOUT NAME - 090606-XS

PLOT DATE : 2/24/2015 9:34 AM PLOT BY : HEIM, BRENT P PLOT NAME : PLOT SCALE : 1:20_XREF



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OCTOBER 2019

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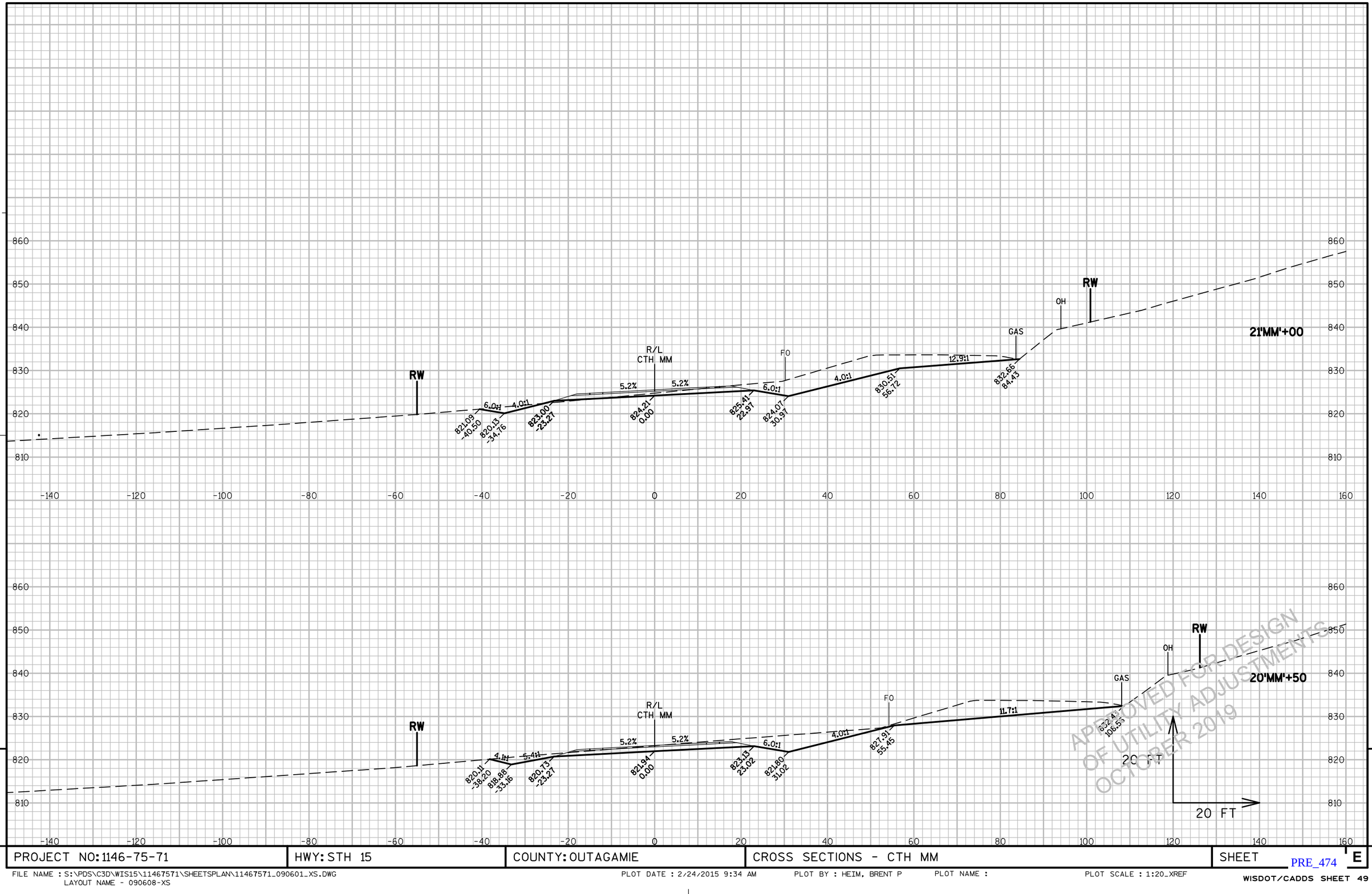
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PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS - CTH MM	SHEET E

PRE_473

FILE NAME : S:\PDS\C3D\WIS15\11467571\SHEETSPLAN\11467571_090601_XS.DWG
LAYOUT NAME - 090607-XS

PLOT DATE : 2/24/2015 9:34 AM PLOT BY : HEIM, BRENT P PLOT NAME : PLOT SCALE : 1:20_XREF



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OF UTILITY ADJUSTMENTS
OCTOBER 2019

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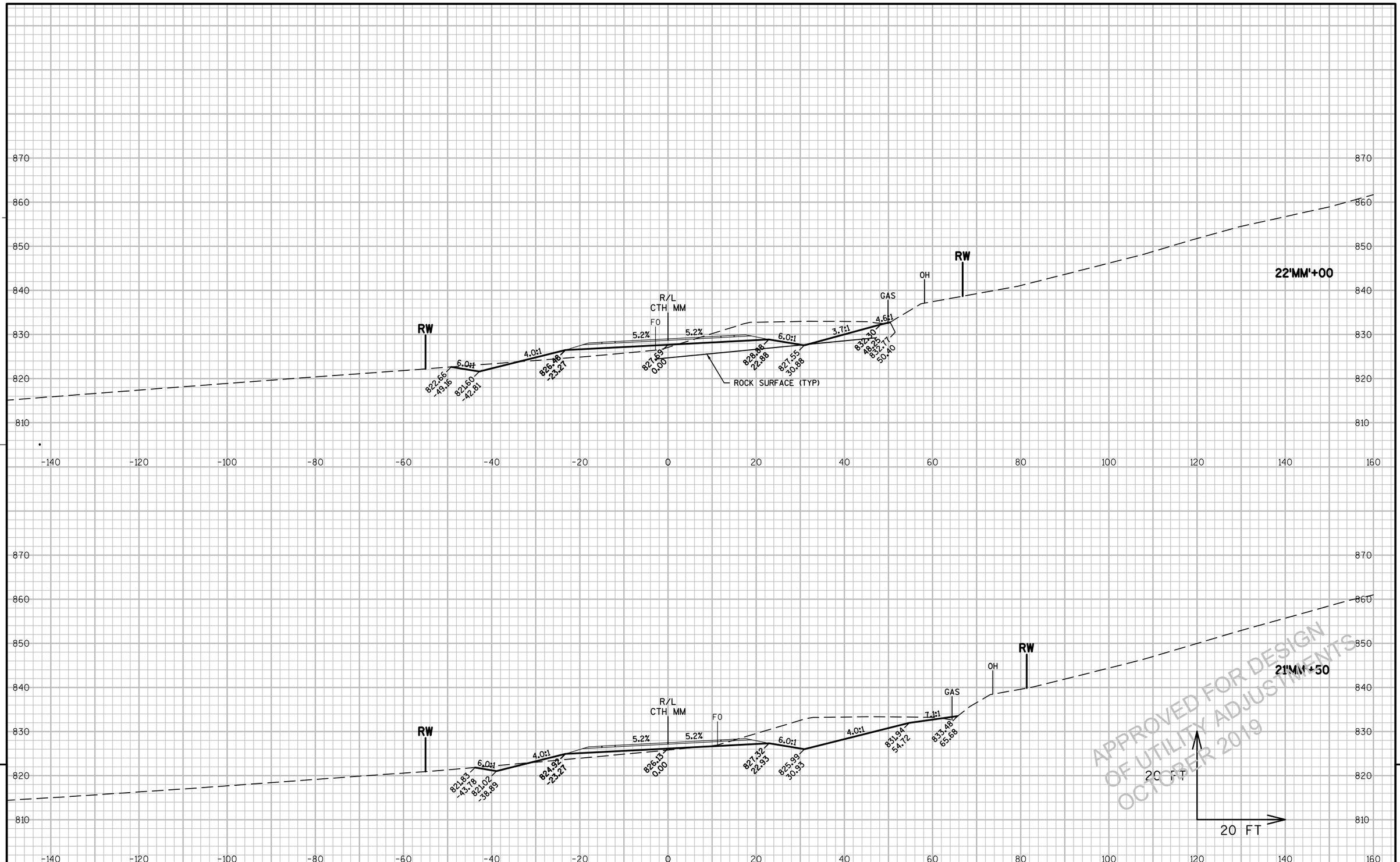
PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS - CTH MM	SHEET E

PRE_474

FILE NAME : S:\PDS\C3D\WIS15\11467571\SHEETSPLAN\11467571_090601_XS.DWG
LAYOUT NAME - 090608-XS

PLOT DATE : 2/24/2015 9:34 AM PLOT BY : HEIM, BRENT P PLOT NAME : PLOT SCALE : 1:20_XREF

WISDOT/CADDS SHEET 49



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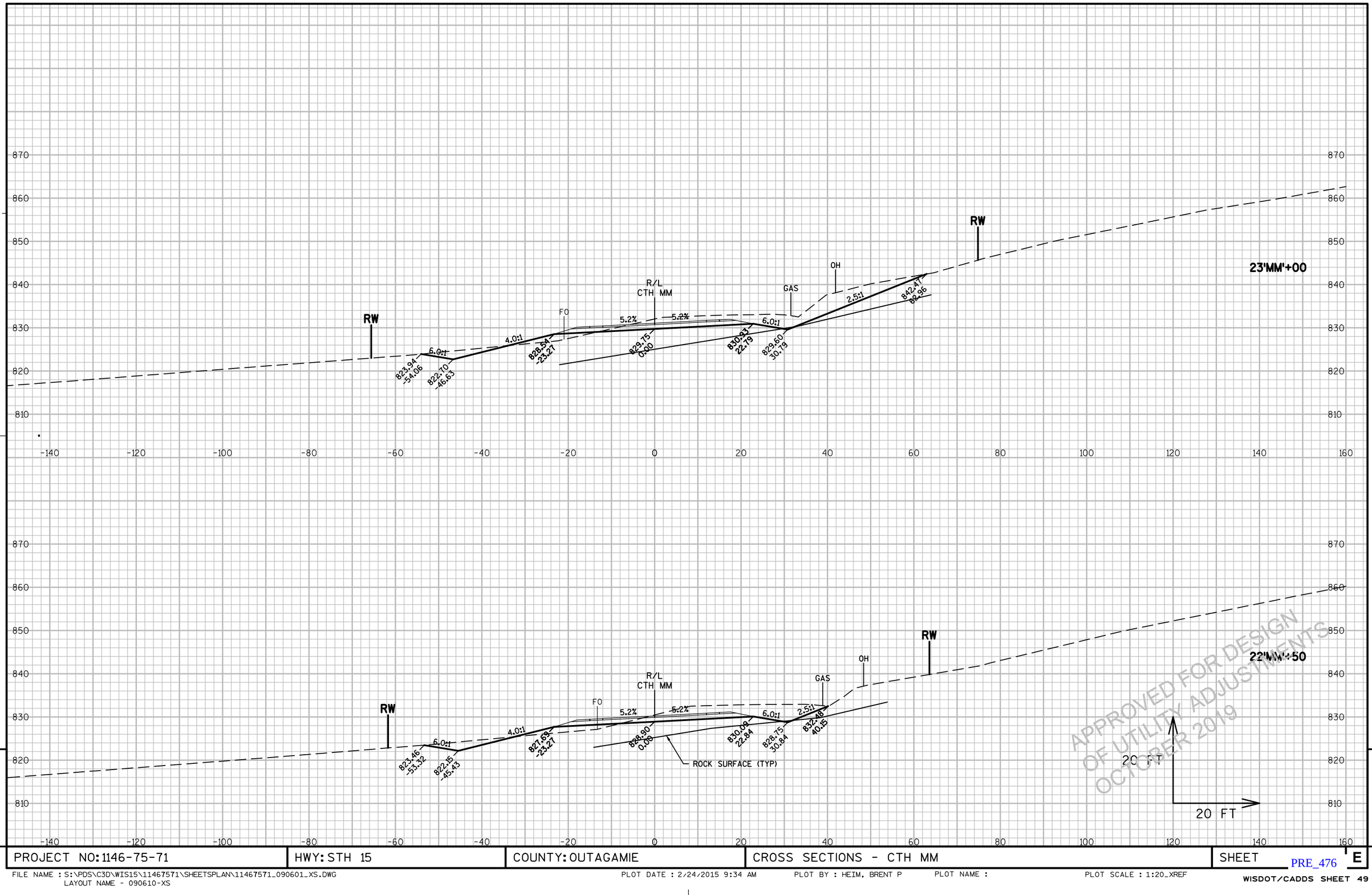
PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS - CTH MM	SHEET E

PRE_475

FILE NAME : S:\PDS\C3D\WIS15\11467571\SHEETSPLAN\11467571_090601_XS.DWG
LAYOUT NAME - 090609-XS

PLOT DATE : 2/24/2015 9:34 AM PLOT BY : HEIM, BRENT P PLOT NAME : PLOT SCALE : 1:20_XREF

WISDOT/CADDS SHEET 49



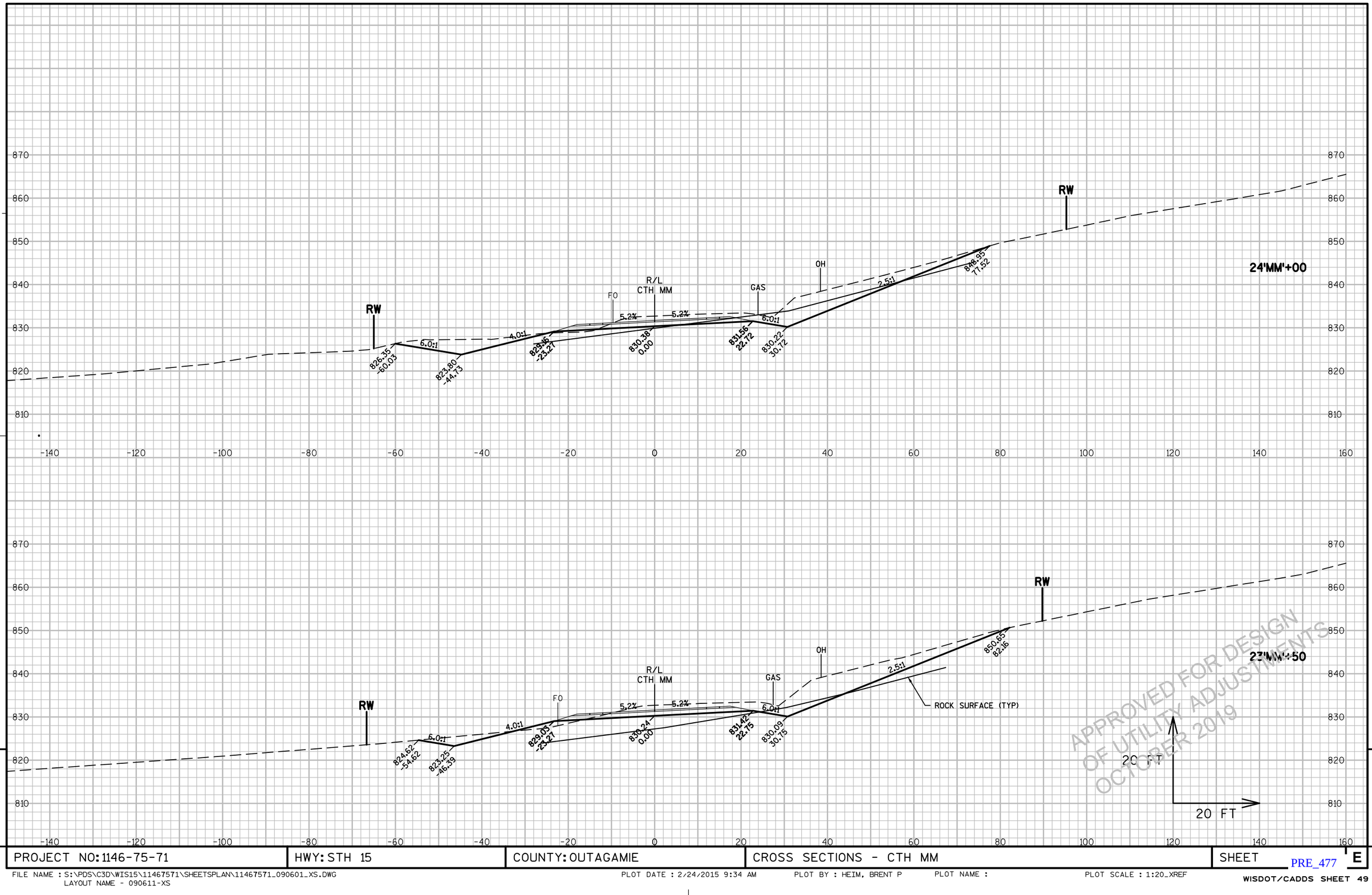
PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS - CTH MM	SHEET E

PRE_476

FILE NAME : S:\PDS\C3D\WIS15\11467571\SHEETSPLAN\11467571_090601_XS.DWG
LAYOUT NAME - 090610-XS

PLOT DATE : 2/24/2015 9:34 AM PLOT BY : HEIM, BRENT P PLOT NAME : PLOT SCALE : 1:20_XREF

WISDOT/CADDS SHEET 49



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OCTOBER 2019

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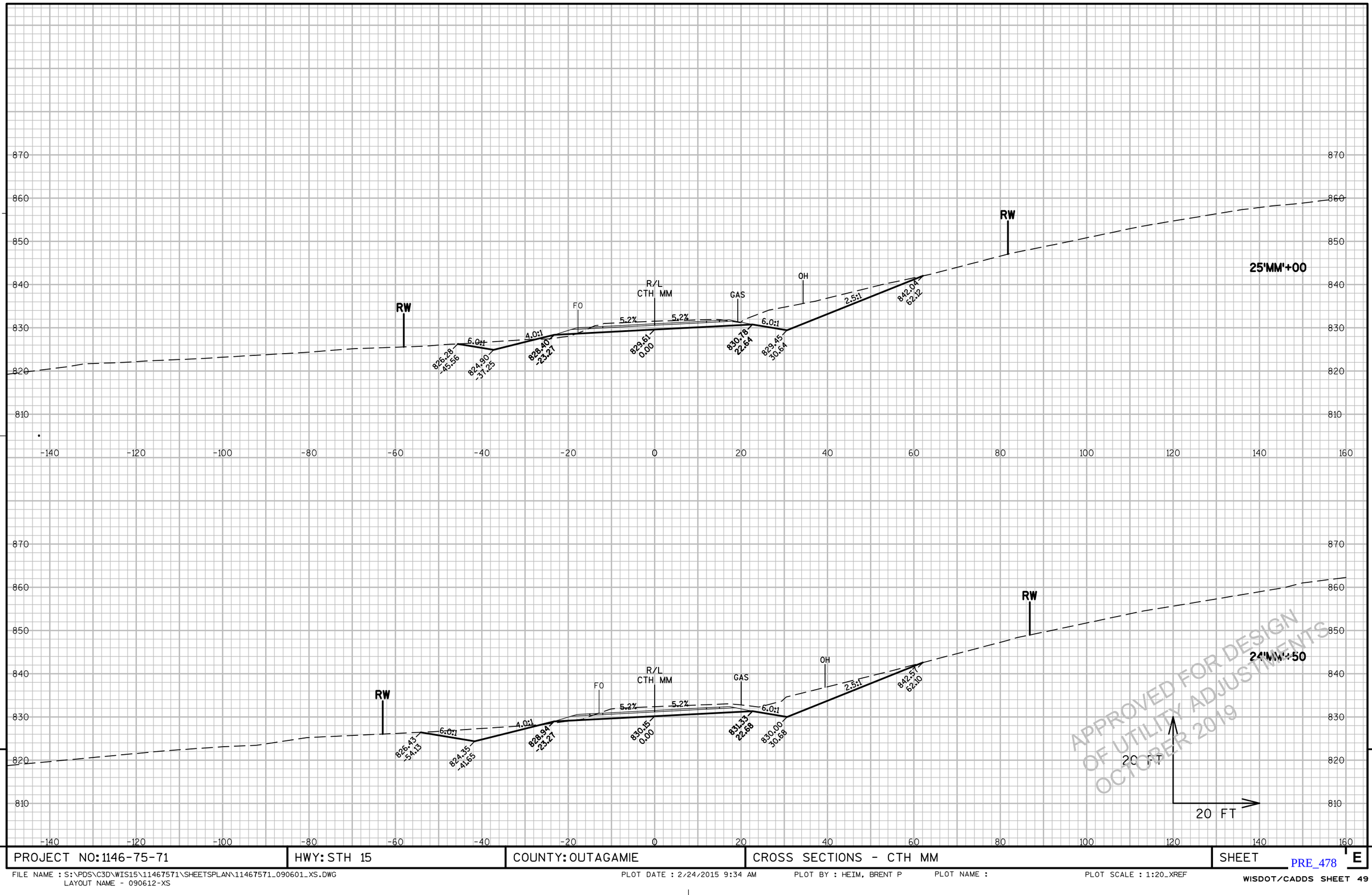
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PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS - CTH MM	SHEET E

PRE_477

FILE NAME : S:\PDS\C3D\WIS15\11467571\SHEETSPLAN\11467571_090601_XS.DWG
LAYOUT NAME - 090611-XS

PLOT DATE : 2/24/2015 9:34 AM PLOT BY : HEIM, BRENT P PLOT NAME : PLOT SCALE : 1:20_XREF



9

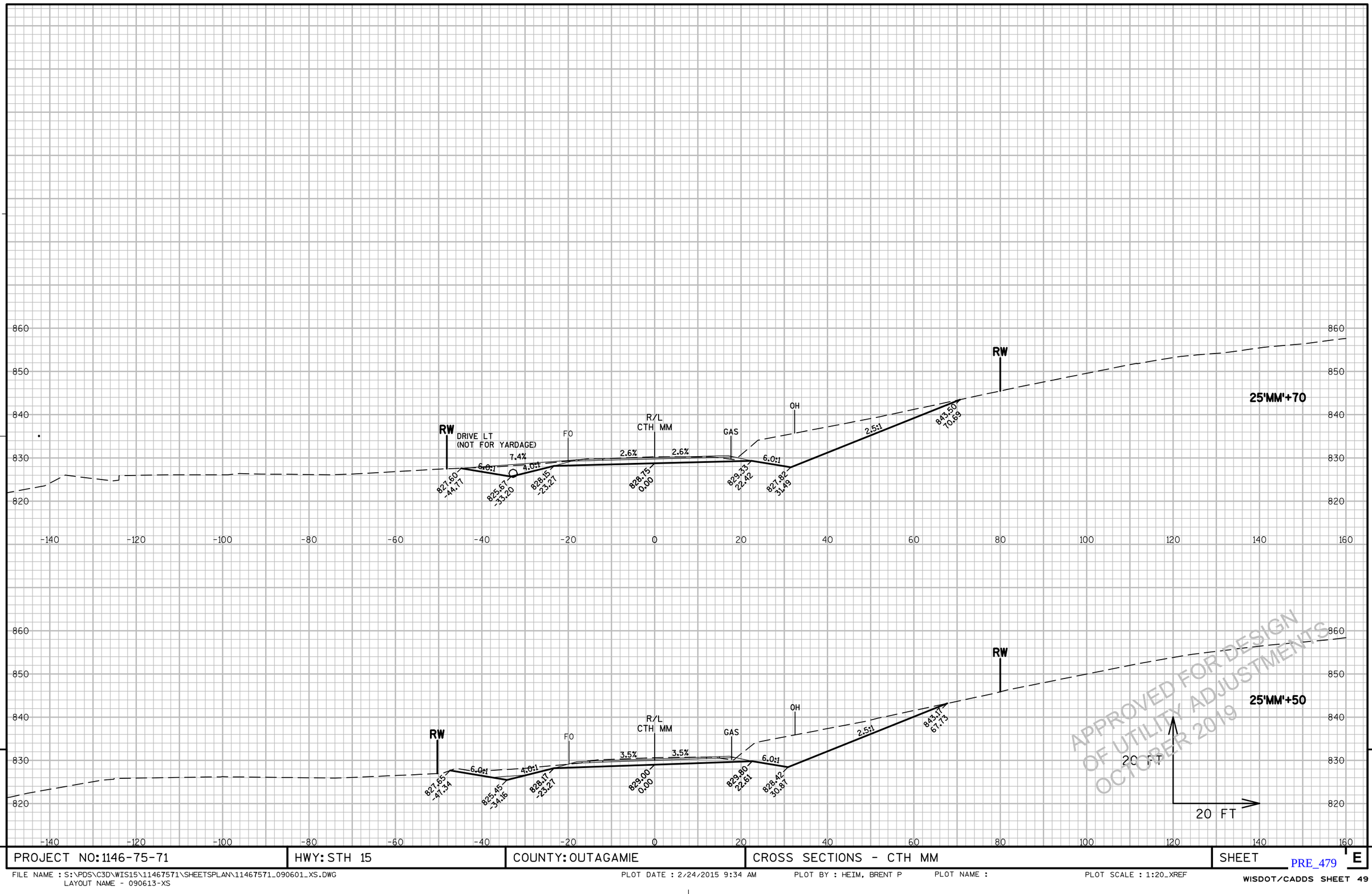
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PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS - CTH MM	SHEET E

PRE_478

FILE NAME : S:\PDS\C3D\WIS15\11467571\SHEETSPLAN\11467571_090601_XS.DWG
LAYOUT NAME - 090612-XS

PLOT DATE : 2/24/2015 9:34 AM PLOT BY : HEIM, BRENT P PLOT NAME : PLOT SCALE : 1:20_XREF



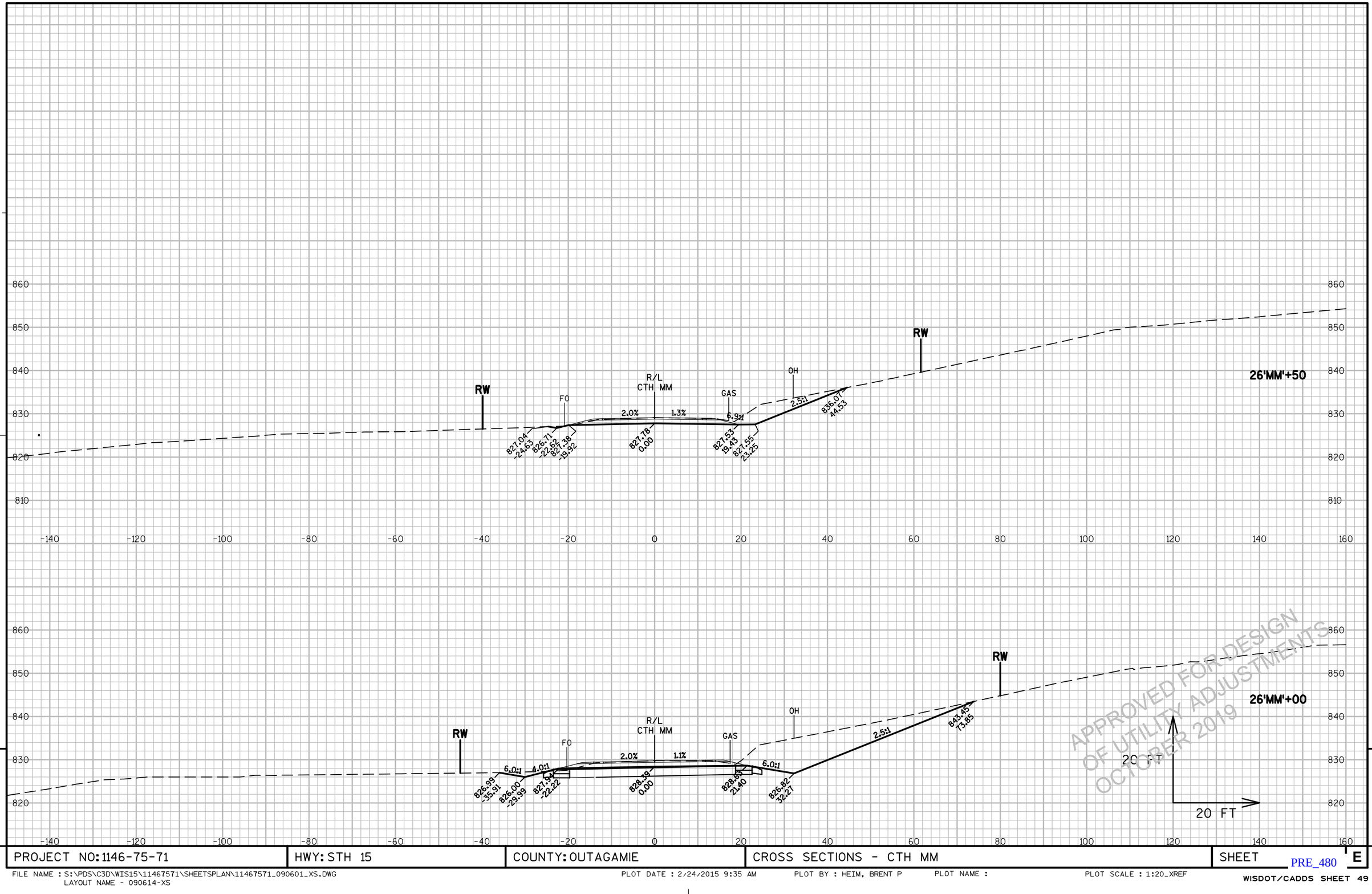
PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS - CTH MM	SHEET E

PRE_479

FILE NAME : S:\PDS\C3D\WIS15\11467571\SHEETSPLAN\11467571_090601_XS.DWG
LAYOUT NAME - 090613-XS

PLOT DATE : 2/24/2015 9:34 AM PLOT BY : HEIM, BRENT P PLOT NAME : PLOT SCALE : 1:20_XREF

WISDOT/CADDS SHEET 49

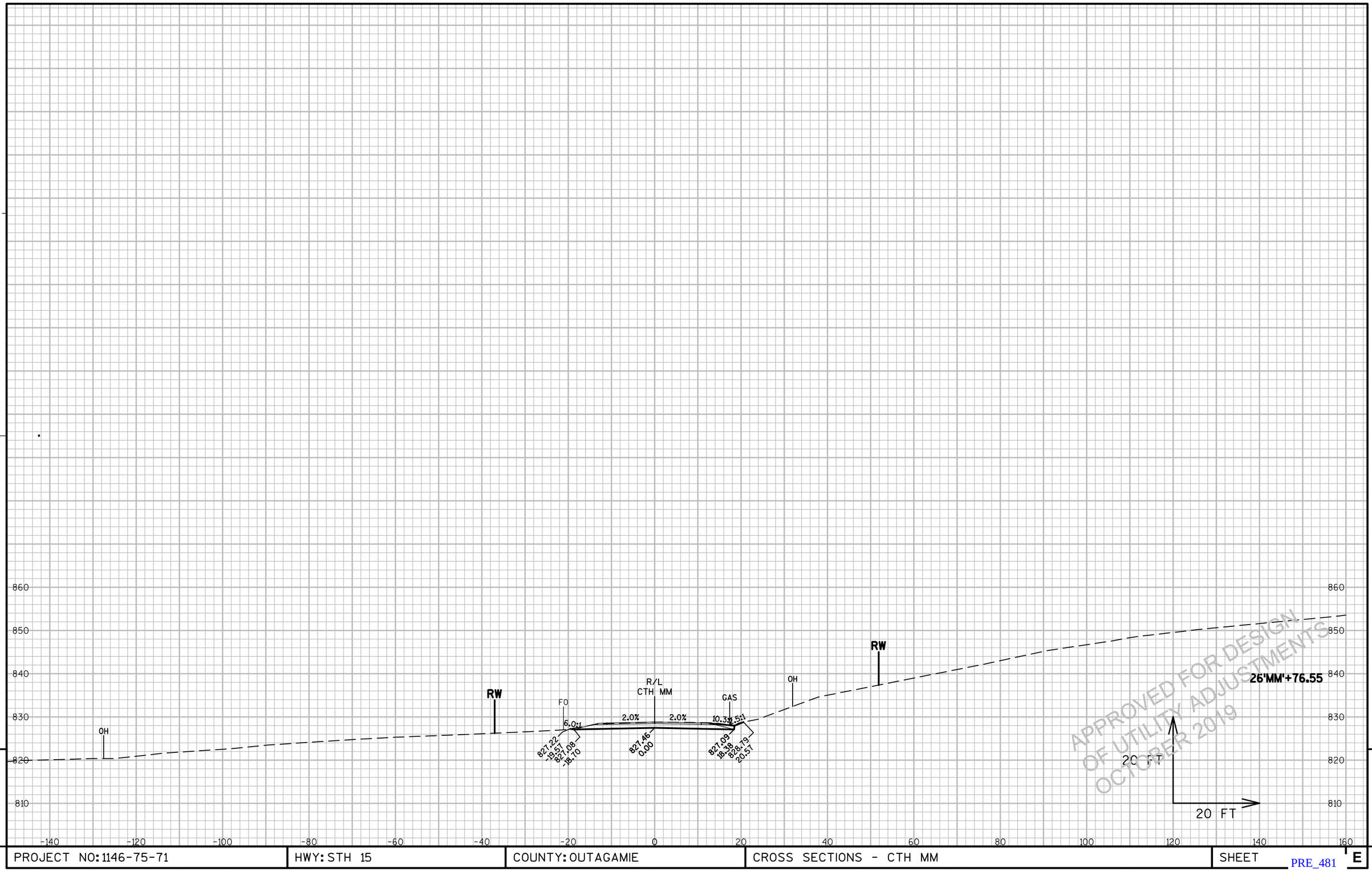


PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS - CTH MM	SHEET E

PRE_480

FILE NAME : S:\PDS\C3D\WIS15\11467571\SHEETSPLAN\11467571_090601_XS.DWG
LAYOUT NAME - 090614-XS

PLOT DATE : 2/24/2015 9:35 AM PLOT BY : HEIM, BRENT P PLOT NAME : PLOT SCALE : 1:20_XREF



9

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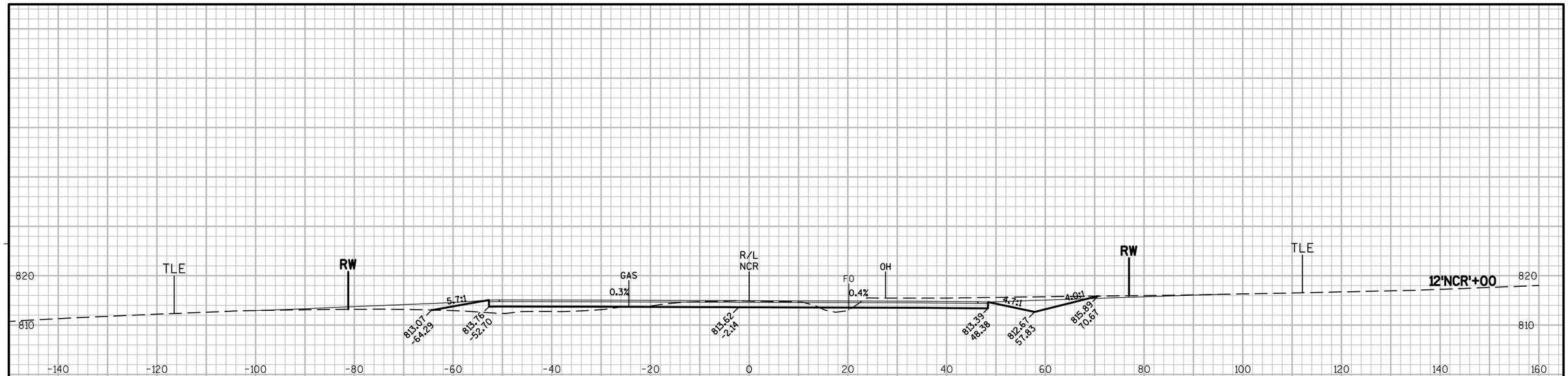
PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS - CTH MM	SHEET E

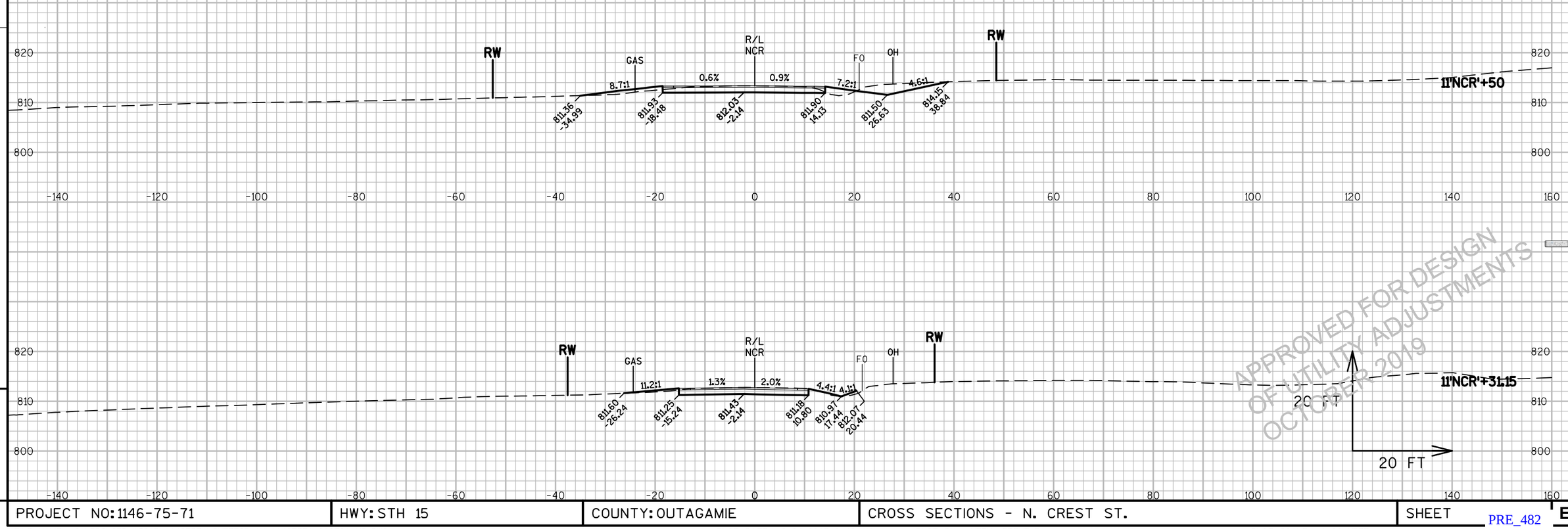
PRE_481

FILE NAME : S:\PDS\C3D\WIS15\11467571\SHEETSPLAN\11467571_090601_XS.DWG
LAYOUT NAME - 090615-XS

PLOT DATE : 2/24/2015 9:35 AM PLOT BY : HEIM, BRENT P PLOT NAME : PLOT SCALE : 1:20_XREF

WISDOT/CADDS SHEET 49





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9

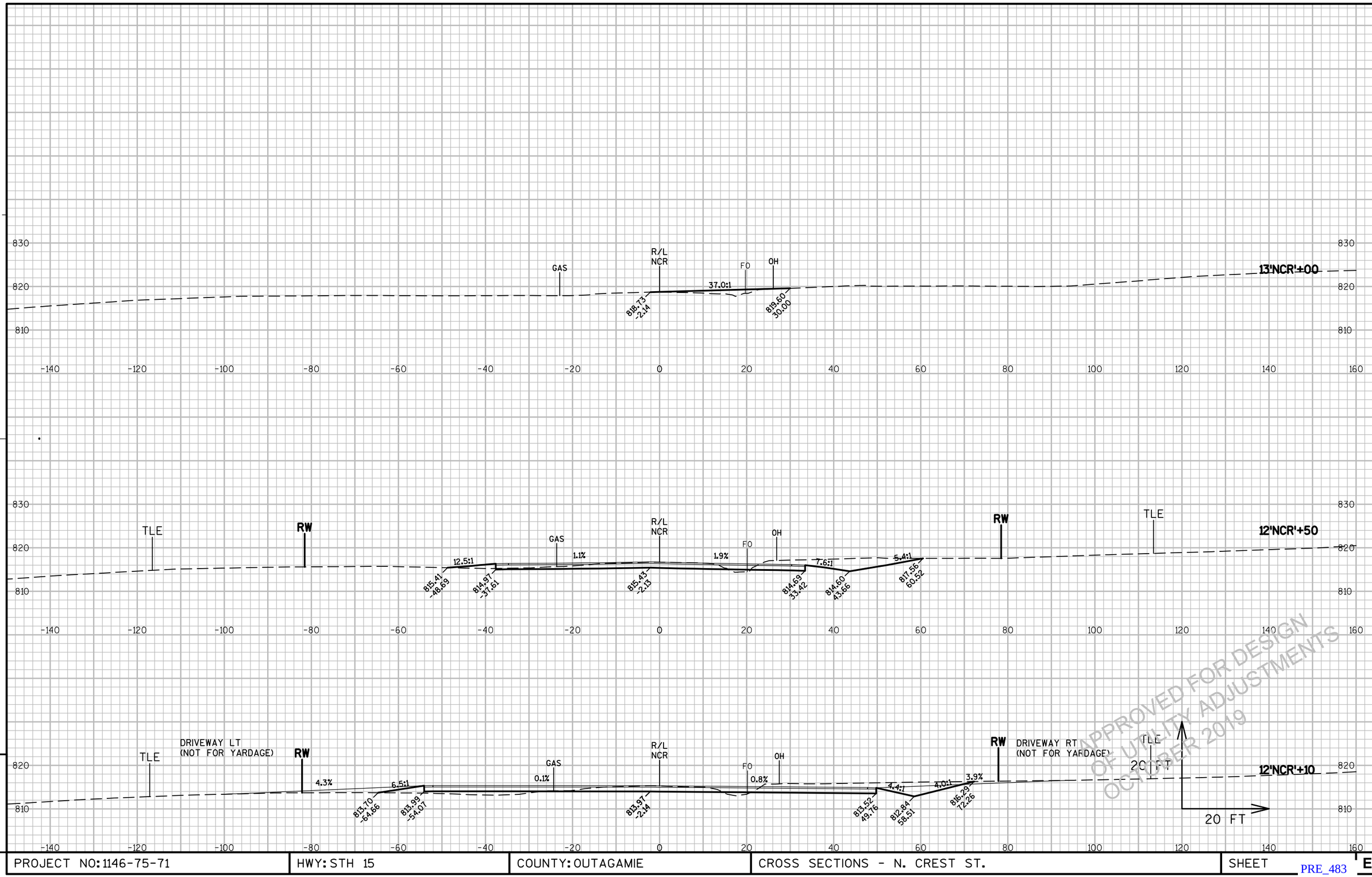
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PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS - N. CREST ST.	SHEET E

PRE_482

FILE NAME : S:\PDS\C3D\WIS15\11467571\SHEETSPLAN\11467571_090701_XS.DWG
1146-75-71 1078 PLANS - 090701-XS

PLOT DATE : 2/24/2015 9:46 AM PLOT BY : HEIM, BRENT P PLOT NAME : PLOT SCALE : 1:20_XREF



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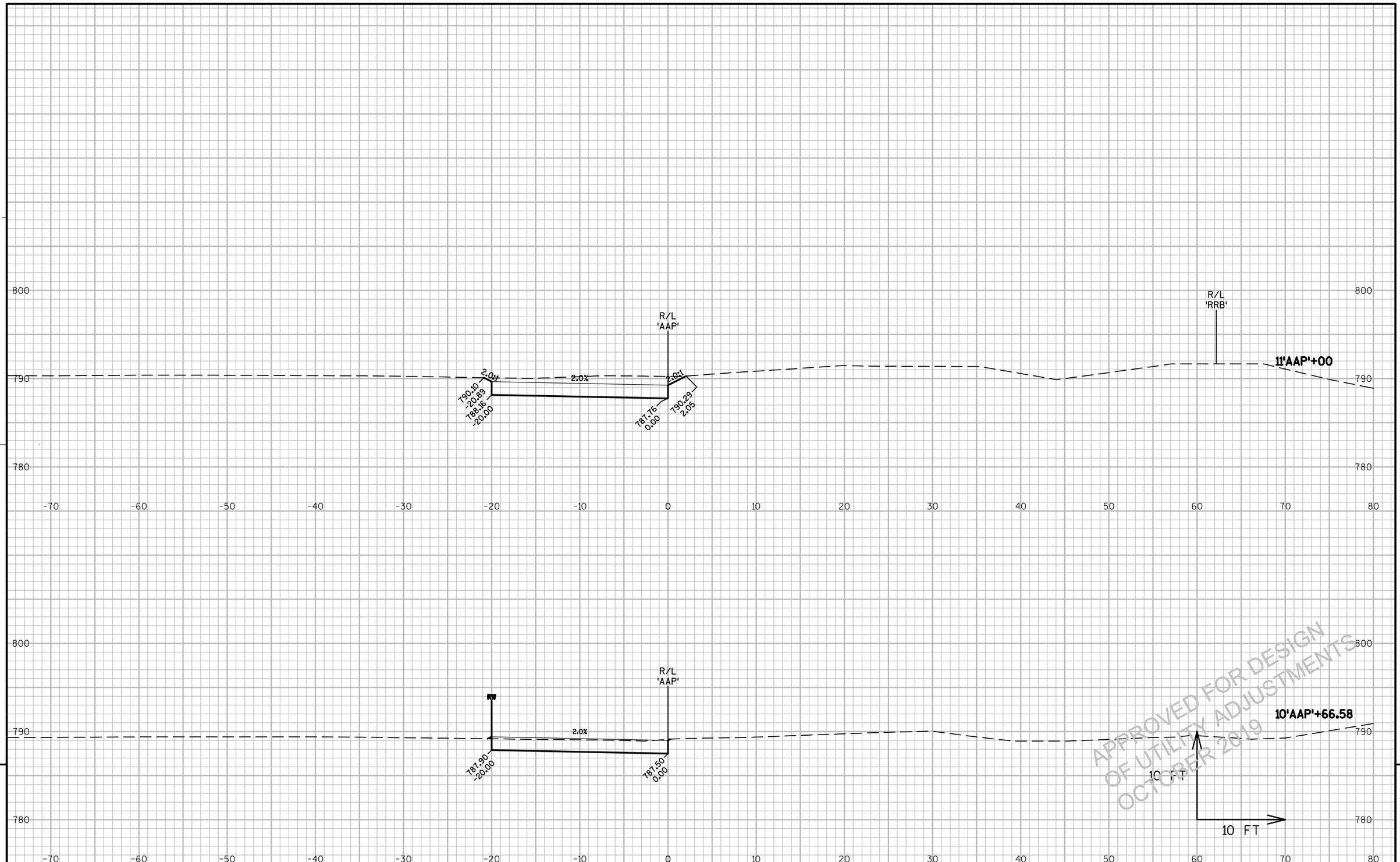
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PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS - N. CREST ST.	SHEET E

PRE_483

FILE NAME : S:\PDS\C3D\WIS15\11467571\SHEETSPLAN\11467571_090701_XS.DWG
1146-75-71 1078 PLANS - 090702-XS

PLOT DATE : 2/24/2015 9:46 AM PLOT BY : HEIM, BRENT P PLOT NAME : PLOT SCALE : 1:20_XREF



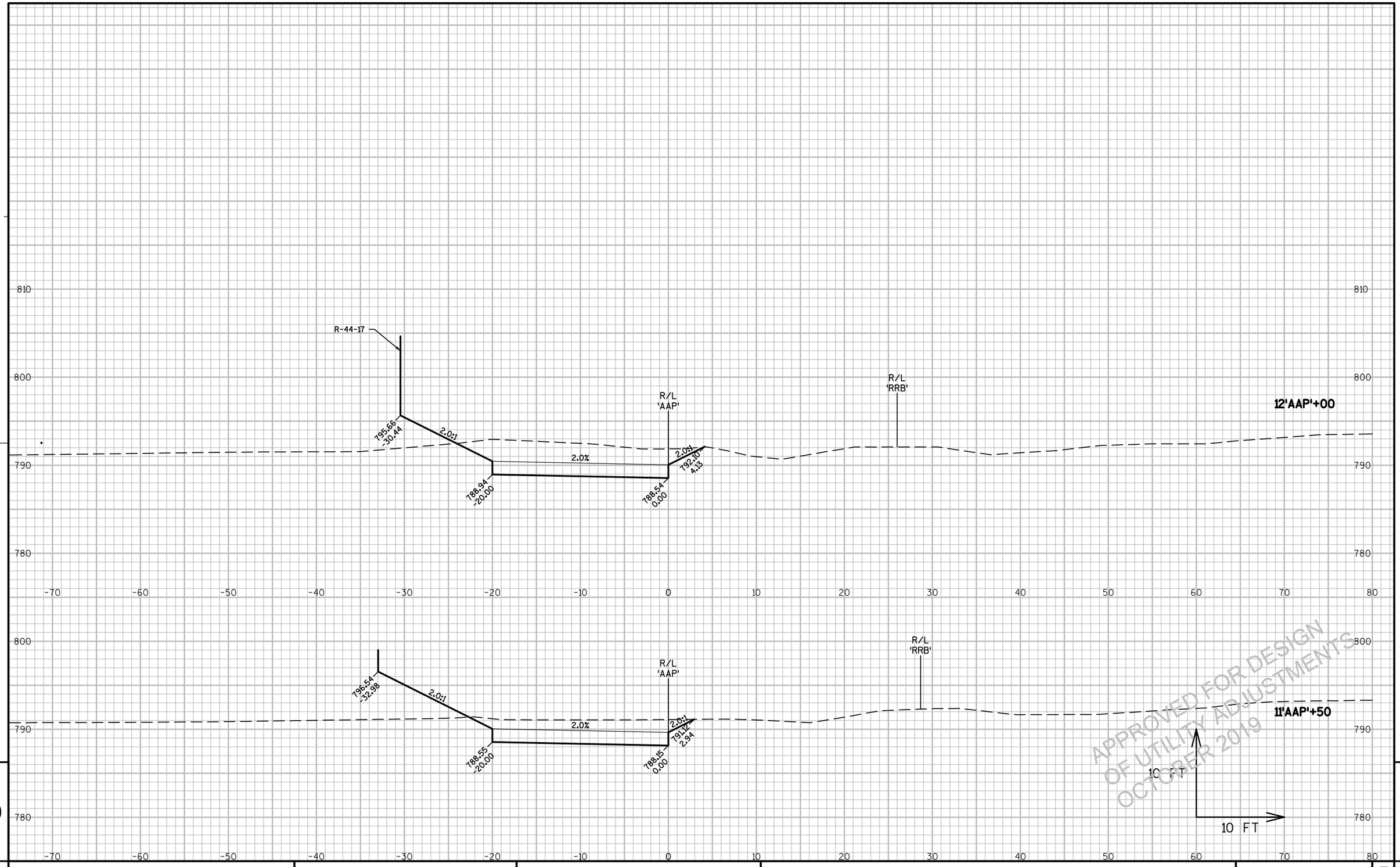
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OF UTILITY ADJUSTMENTS
OCTOBER 2019

9

PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS - AGRICULTURAL ACCESS	SHEET E

FILE NAME : N:\PDS\C3D\11467571\SHEETSPLAN\11467571\11467571_090901_XS_02_AGRICULTURE.DWG
LAYOUT NAME - 090901_XS_02_AGRICULTURE

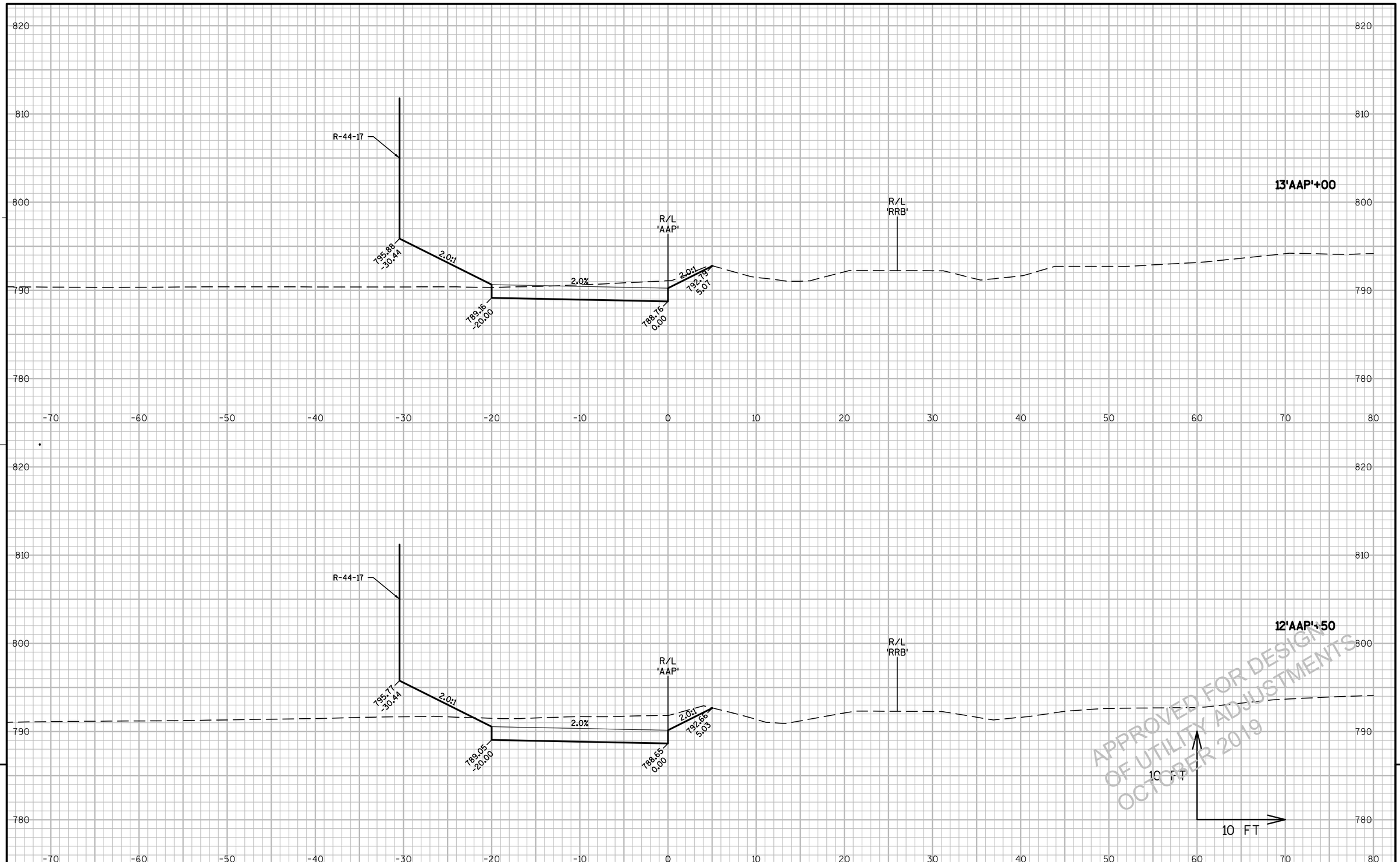
PLOT DATE : 10/25/2017 8:26 AM PLOT BY : SIMMONS, MASON A PLOT NAME : PLOT SCALE : 1:10_XREF



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OF UTILITY ADJUSTMENTS
OCTOBER 2019

9

PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS - AGRICULTURAL ACCESS	SHEET E



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OF UTILITY ADJUSTMENTS
OCTOBER 2019

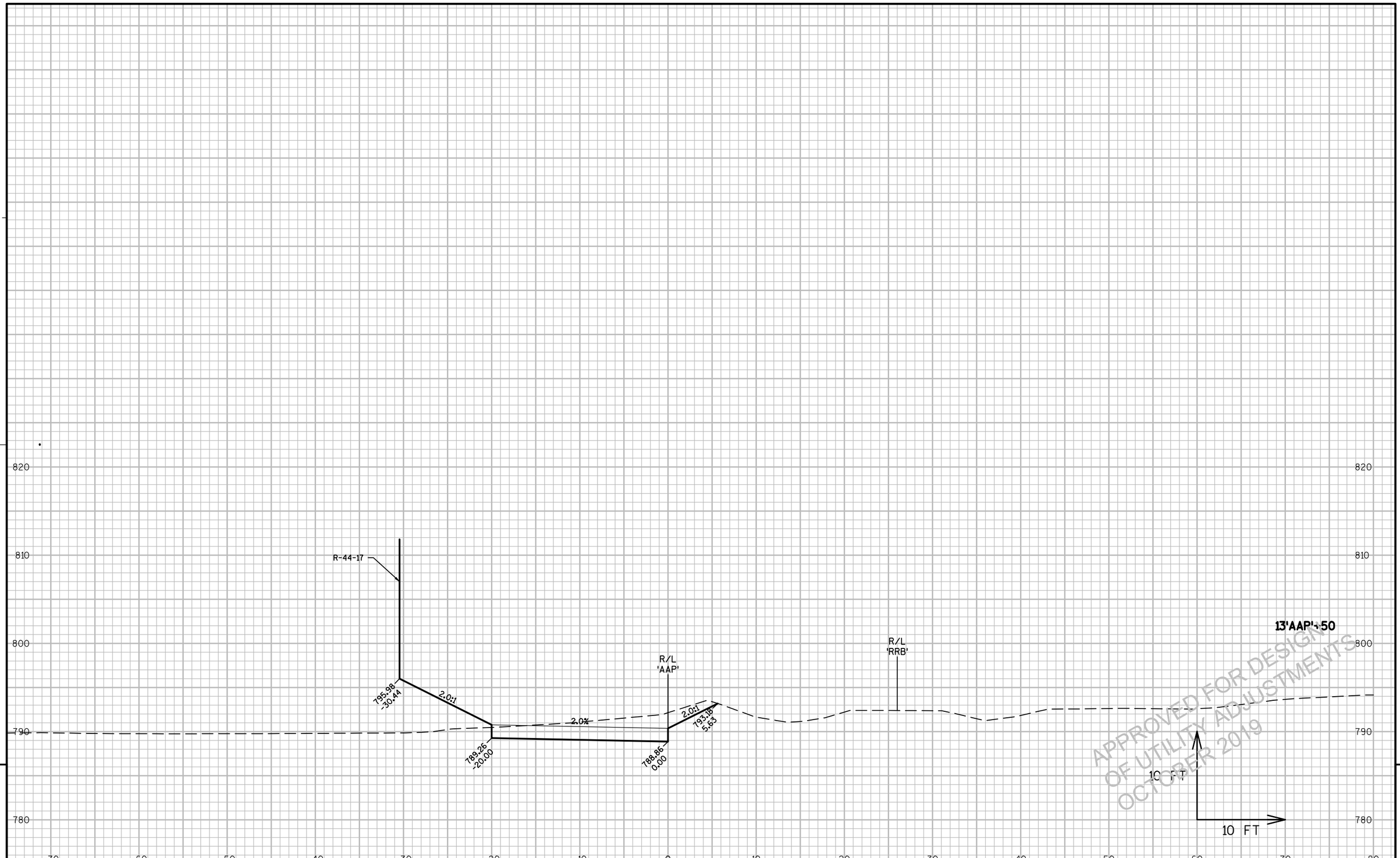
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PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS - AGRICULTURAL ACCESS	SHEET E

PRE_486

FILE NAME : N:\PDS\C3D\11467571\SHEETSPLAN\11467571\11467571_090901_XS_02_AGRICULTURE.DWG
LAYOUT NAME - 090903_XS_02_AGRICULTURE

PLOT DATE : 10/25/2017 8:26 AM PLOT BY : SIMMONS, MASON A PLOT NAME : PLOT SCALE : 1:10_XREF



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OF UTILITY ADJUSTMENTS
OCTOBER 2019

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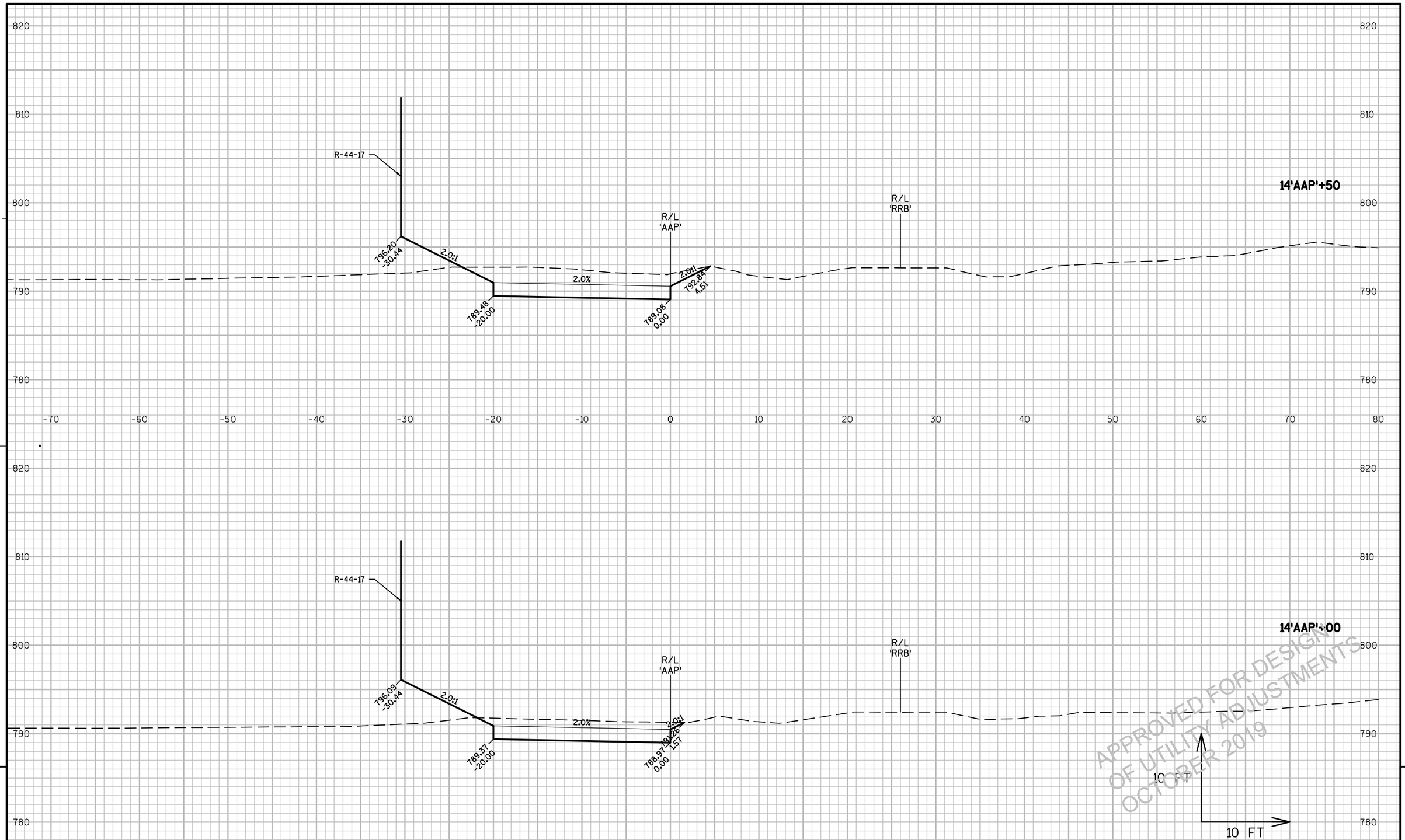
PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS - AGRICULTURAL ACCESS	SHEET E

PRE_487

FILE NAME : N:\PDS\C3D\11467571\SHEETSPLAN\11467571\11467571_090901_XS_02_AGRICULTURE.DWG
LAYOUT NAME - 090904_XS_02_AGRICULTURE

PLOT DATE : 10/25/2017 8:26 AM PLOT BY : SIMMONS, MASON A PLOT NAME : PLOT SCALE : 1:10_XREF

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OCTOBER 2019

9

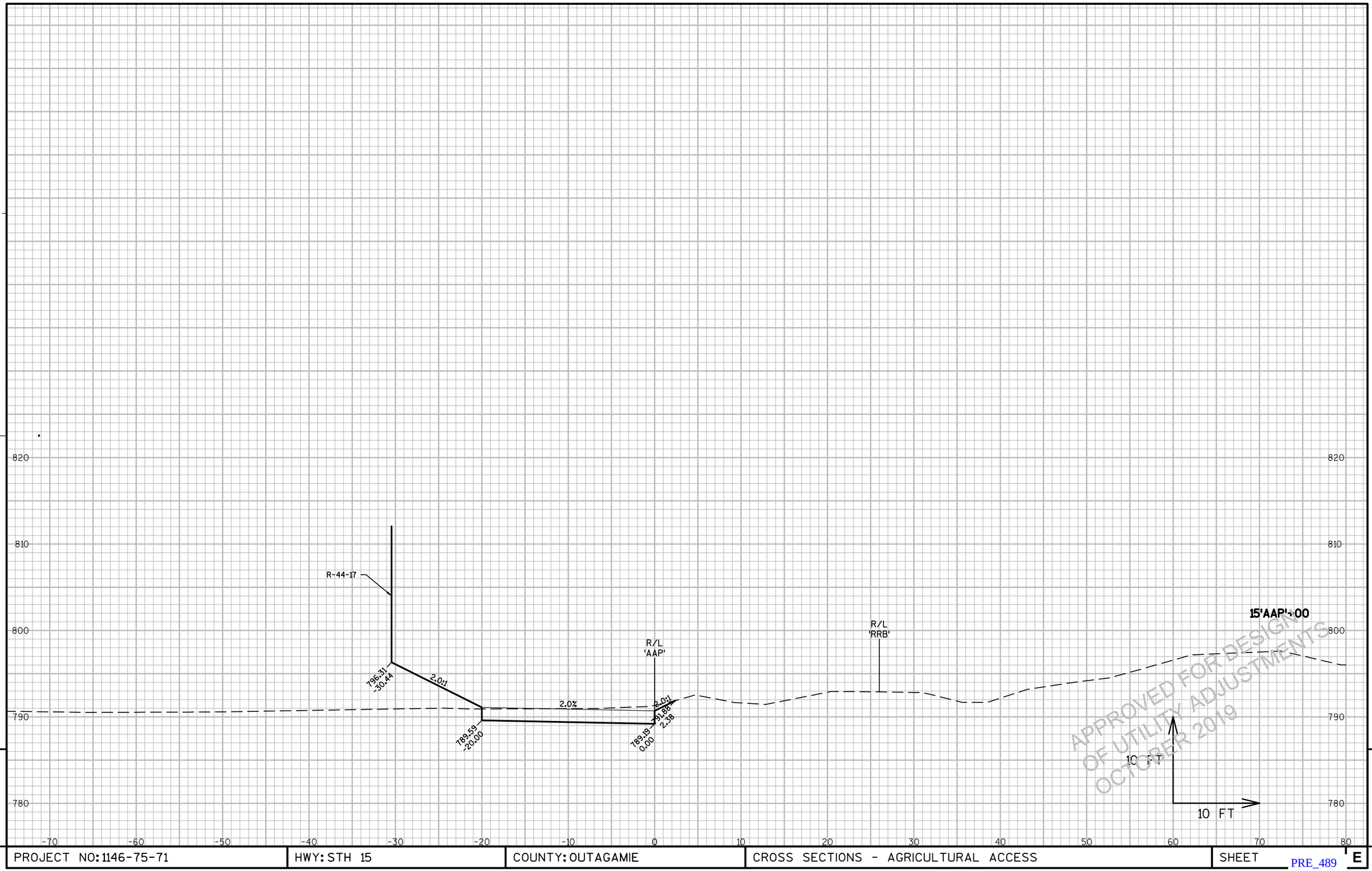
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PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS - AGRICULTURAL ACCESS	SHEET E

PRE_488

FILE NAME : N:\PDS\C3D\11467571\SHEETSPLAN\11467571\11467571_090901_XS_02_AGRICULTURE.DWG
LAYOUT NAME - 090905_XS_02_AGRICULTURE

PLOT DATE : 10/25/2017 8:26 AM PLOT BY : SIMMONS, MASON A PLOT NAME : PLOT SCALE : 1:10_XREF



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OF UTILITY ADJUSTMENTS
OCTOBER 2019

9

9

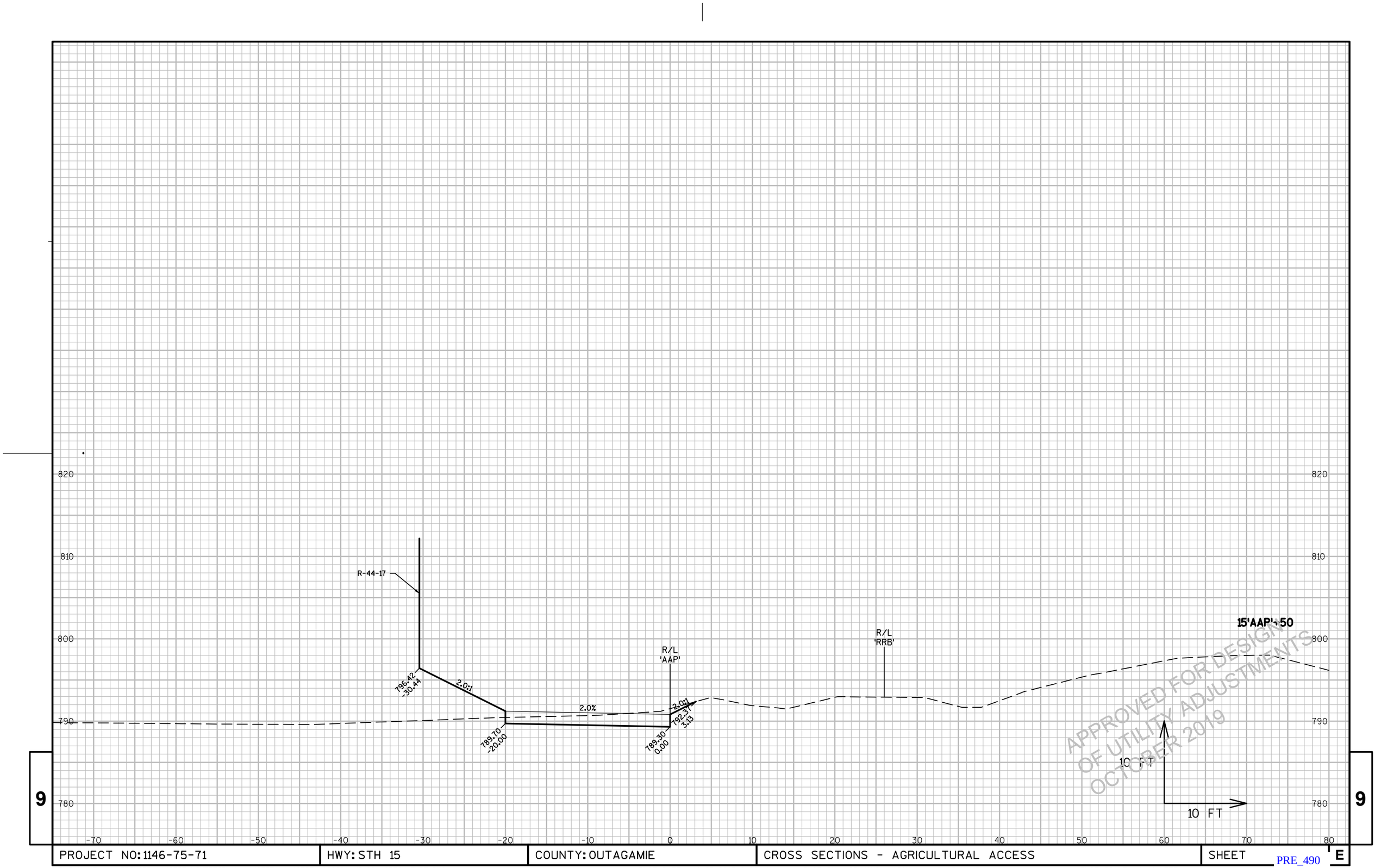
PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS - AGRICULTURAL ACCESS	SHEET E

PRE_489

FILE NAME : N:\PDS\C3D\11467571\SHEETSPLAN\11467571\11467571_090901_XS_02_AGRICULTURE.DWG
LAYOUT NAME - 090906_XS_02_AGRICULTURE

PLOT DATE : 10/25/2017 8:26 AM PLOT BY : SIMMONS, MASON A PLOT NAME : PLOT SCALE : 1:10_XREF

WISDOT/CADDS SHEET 49



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OF UTILITY ADJUSTMENTS
OCTOBER 2019

9

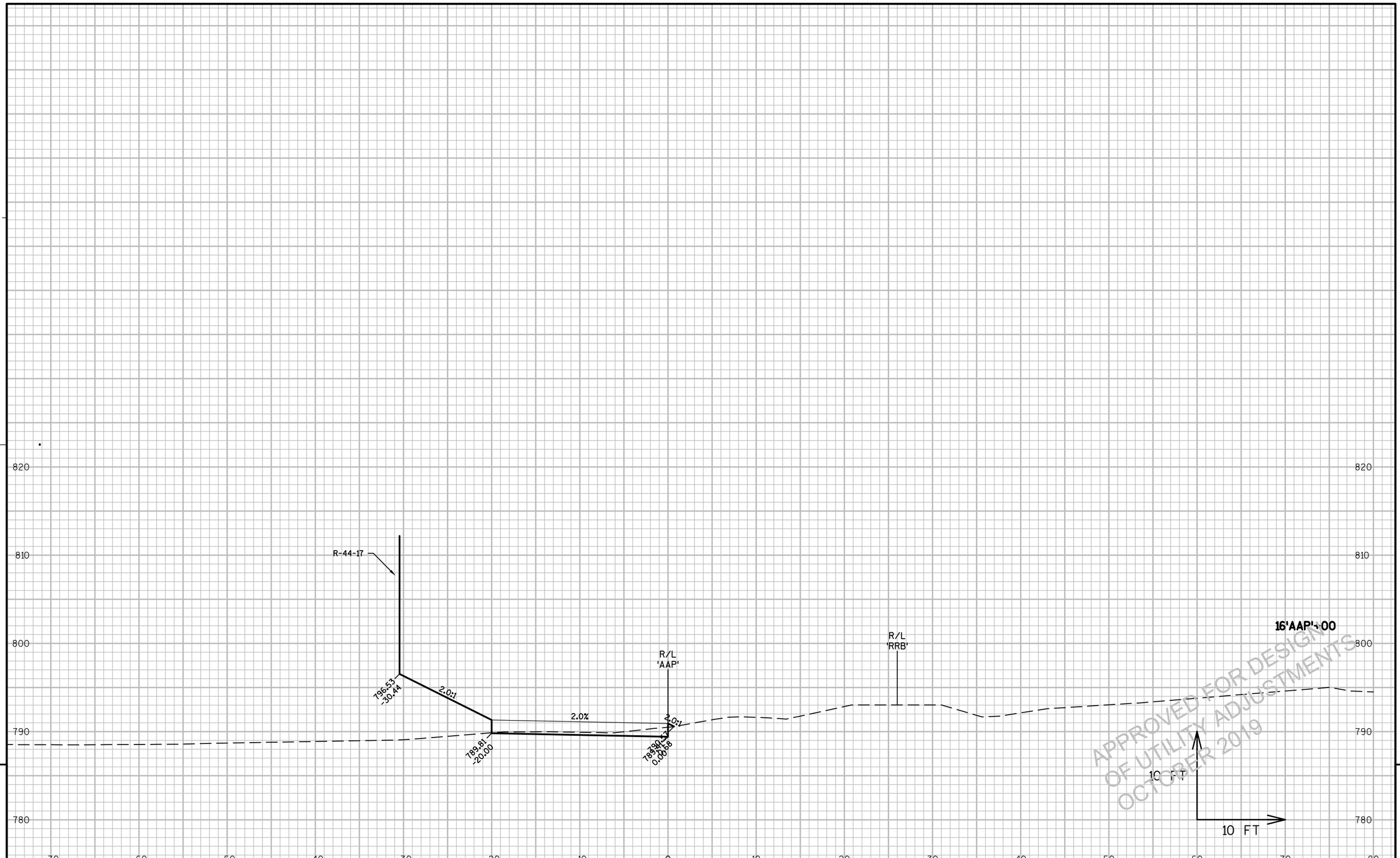
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PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS - AGRICULTURAL ACCESS	SHEET E

PRE_490

FILE NAME : N:\PDS\C3D\11467571\SHEETSPLAN\11467571\11467571_090901_XS_02_AGRICULTURE.DWG
LAYOUT NAME - 090907_XS_02_AGRICULTURE

PLOT DATE : 10/25/2017 8:26 AM PLOT BY : SIMMONS, MASON A PLOT NAME : PLOT SCALE : 1:10_XREF



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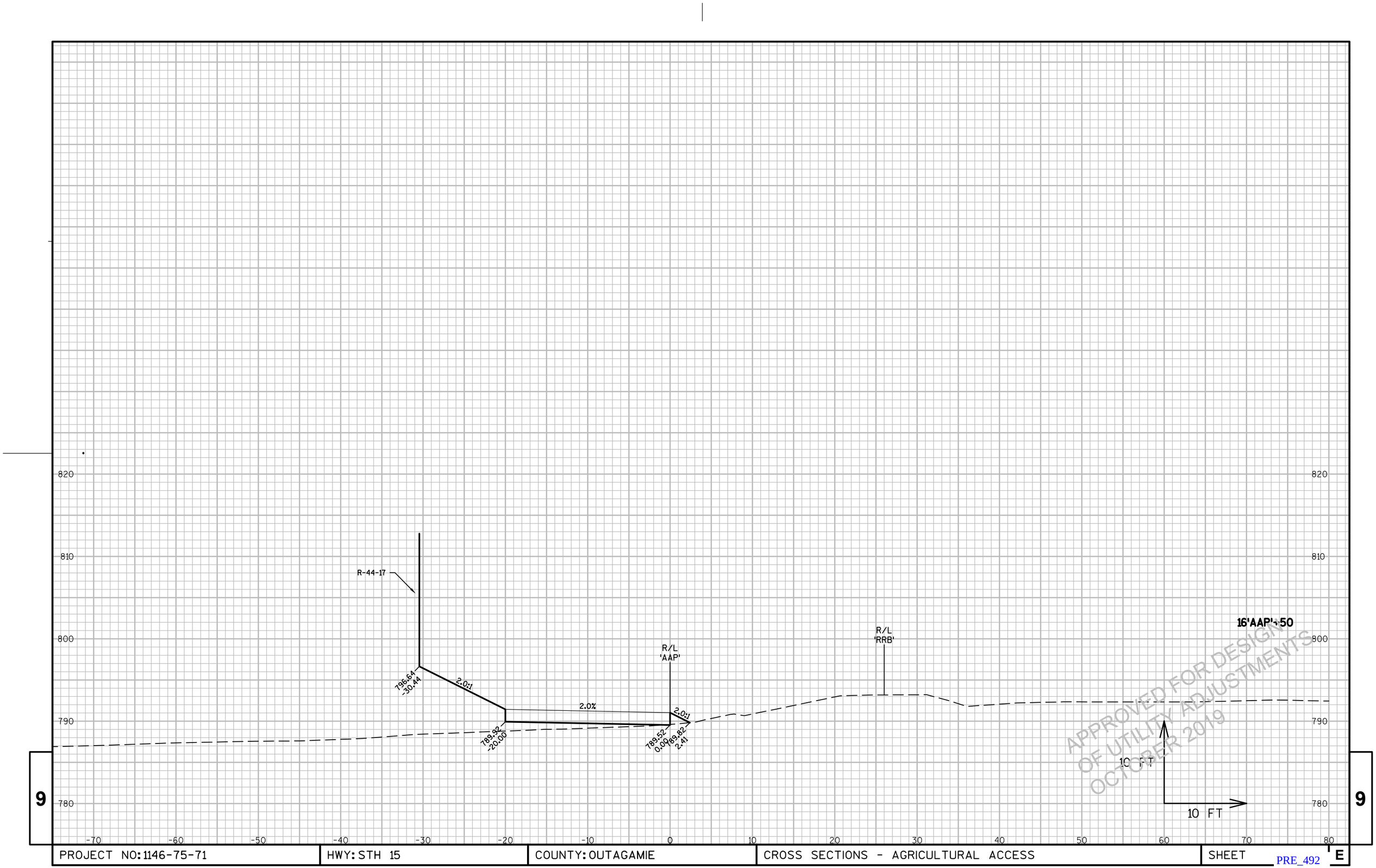
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PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS - AGRICULTURAL ACCESS	SHEET E

PRE_491

FILE NAME : N:\PDS\C3D\11467571\SHEETSPLAN\11467571\11467571_090901_XS_02_AGRICULTURE.DWG
LAYOUT NAME - 090908_XS_02_AGRICULTURE

PLOT DATE : 10/25/2017 8:26 AM PLOT BY : SIMMONS, MASON A PLOT NAME : PLOT SCALE : 1:10_XREF



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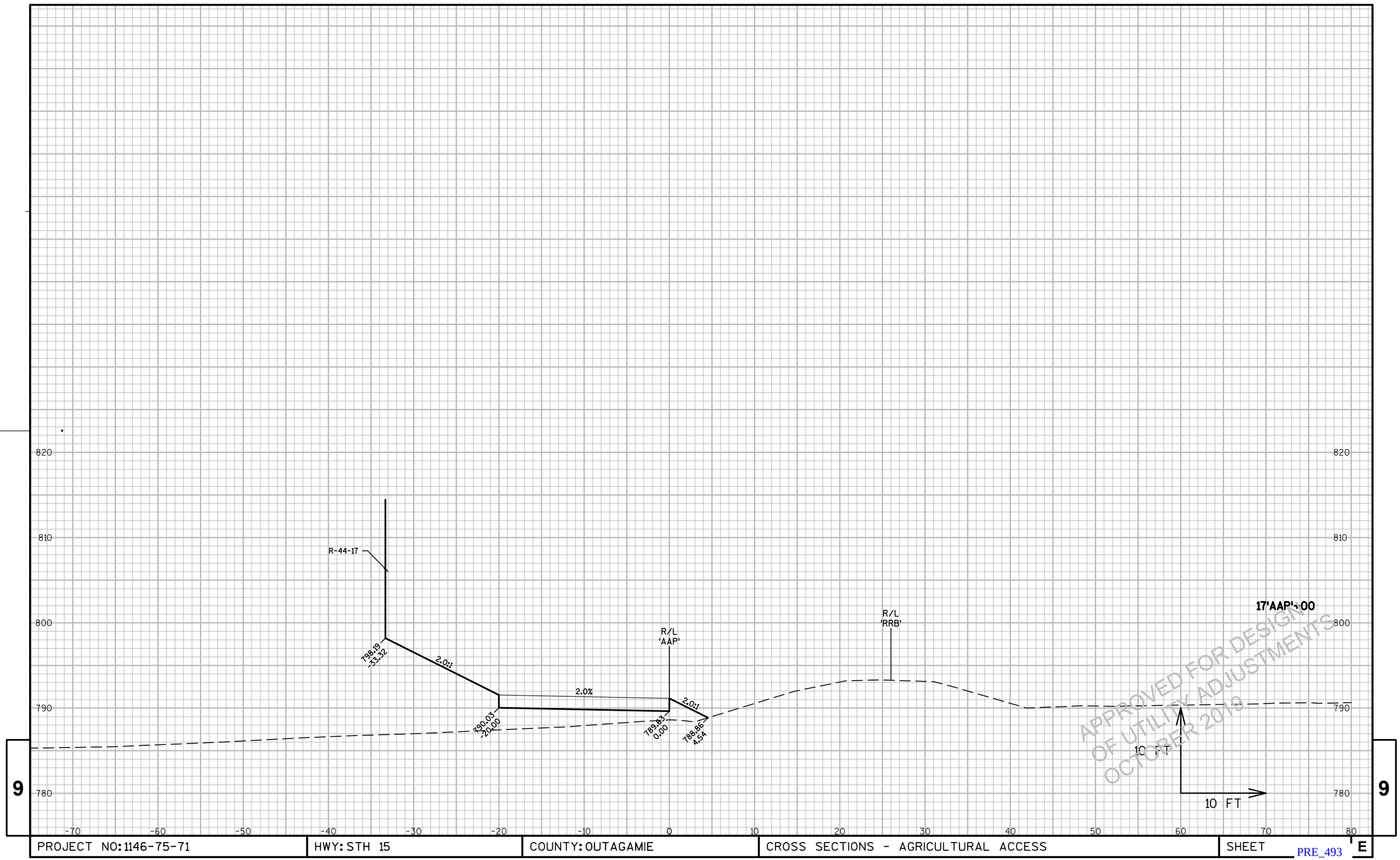
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PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS - AGRICULTURAL ACCESS	SHEET E

PRE_492

FILE NAME : N:\PDS\C3D\11467571\SHEETSPLAN\11467571\11467571_090901_XS_02_AGRICULTURE.DWG
LAYOUT NAME - 090909_XS_02_AGRICULTURE

PLOT DATE : 10/25/2017 8:26 AM PLOT BY : SIMMONS, MASON A PLOT NAME : PLOT SCALE : 1:10_XREF



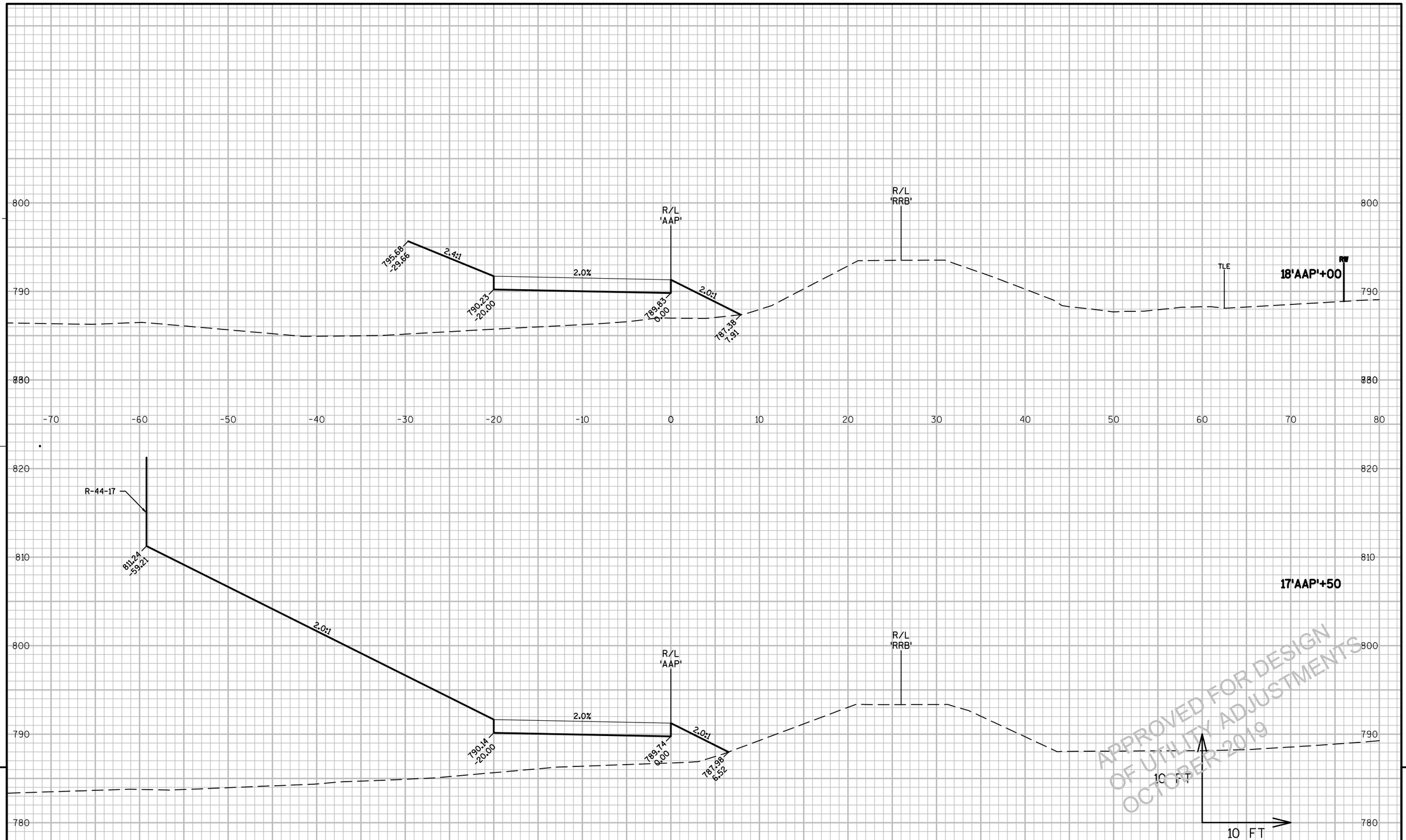
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OF UTILITY ADJUSTMENTS
OCTOBER 2019

9

PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS - AGRICULTURAL ACCESS	SHEET E

FILE NAME : N:\PDS\C3D\11467571\SHEETSPLAN\11467571\11467571_090901_XS_02_AGRICULTURE.DWG
LAYOUT NAME - 090910_XS_02_AGRICULTURE

PLOT DATE : 10/25/2017 8:26 AM PLOT BY : SIMMONS, MASON A PLOT NAME : PLOT SCALE : 1:10_XREF



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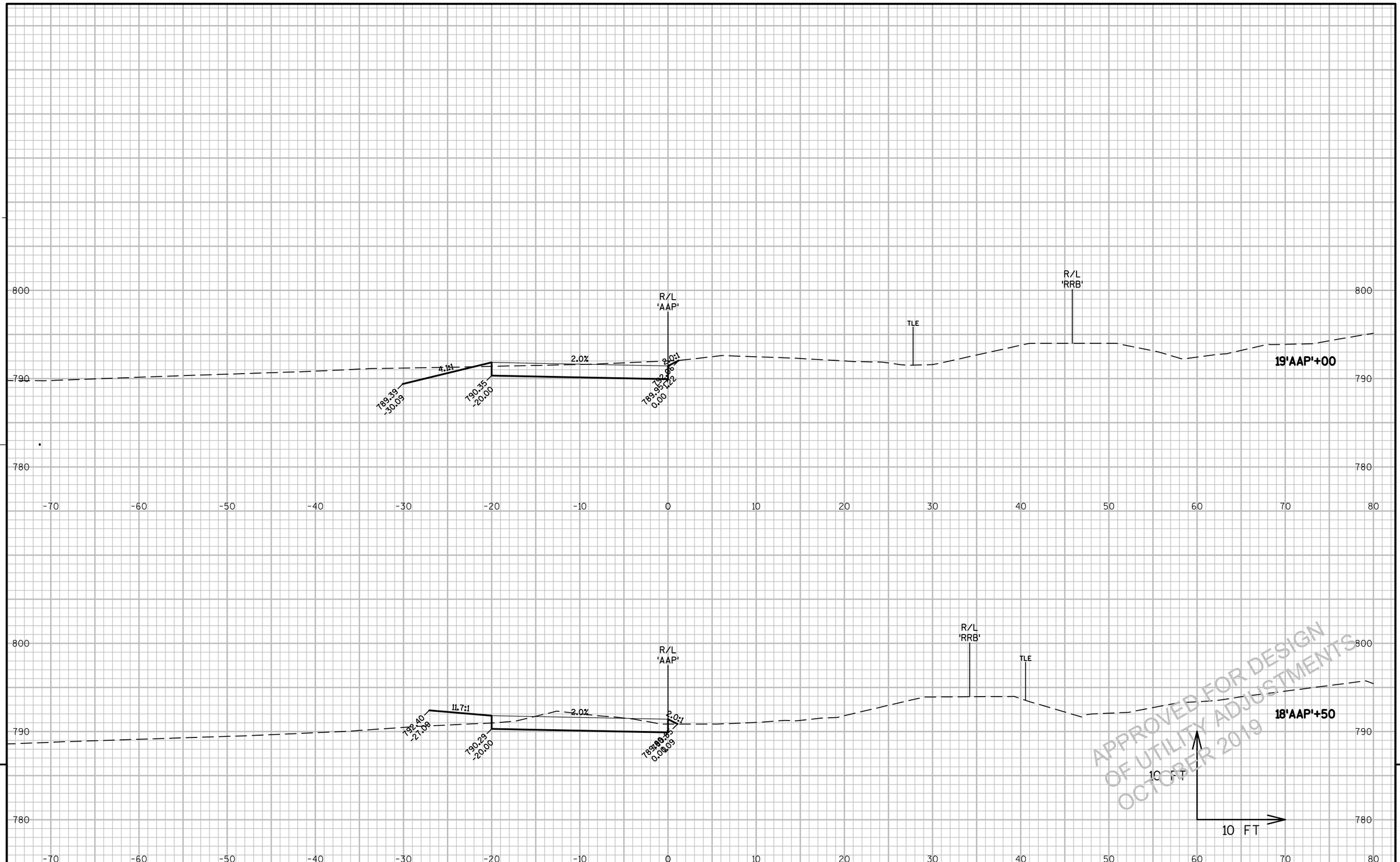
PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS - AGRICULTURAL ACCESS	SHEET E

PRE_494

FILE NAME : N:\PDS\C3D\11467571\SHEETSPLAN\11467571\11467571_090901_XS_02_AGRICULTURE.DWG
LAYOUT NAME - 090911_XS_02_AGRICULTURE

PLOT DATE : 10/25/2017 8:26 AM PLOT BY : SIMMONS, MASON A PLOT NAME : PLOT SCALE : 1:10_XREF

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OCTOBER 2019

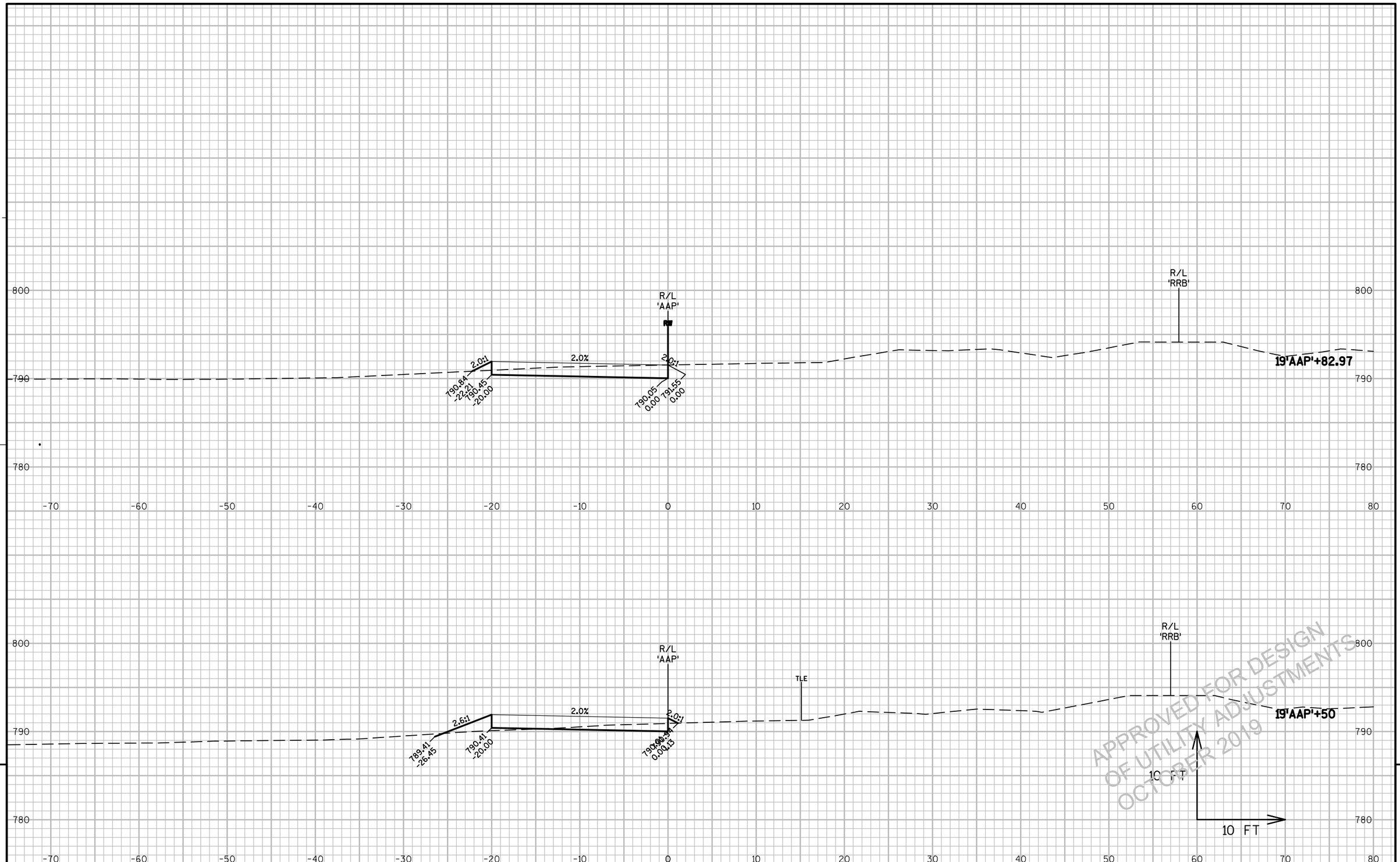
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PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS - AGRICULTURAL ACCESS	SHEET E

PRE_495

FILE NAME : N:\PDS\C3D\11467571\SHEETSPLAN\11467571\11467571_090901_XS_02_AGRICULTURE.DWG
LAYOUT NAME - 090912_XS_02_AGRICULTURE

PLOT DATE : 10/25/2017 8:26 AM PLOT BY : SIMMONS, MASON A PLOT NAME : PLOT SCALE : 1:10_XREF



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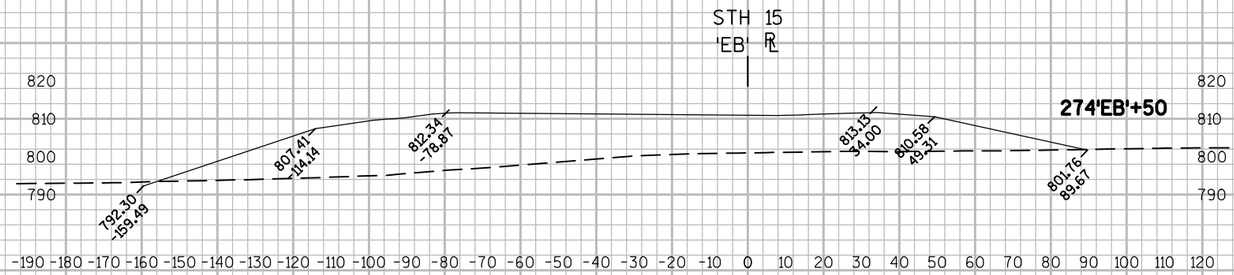
PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS - AGRICULTURAL ACCESS	SHEET E

PRE_496

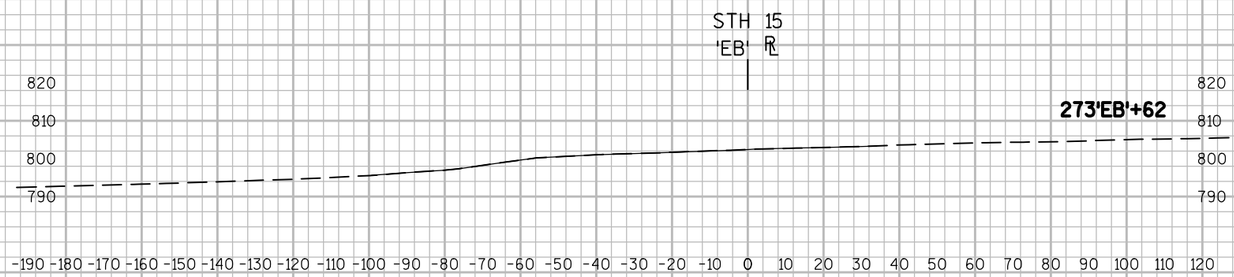
FILE NAME : N:\PDS\C3D\11467571\SHEETSPLAN\11467571\11467571_090901_XS_02_AGRICULTURE.DWG
LAYOUT NAME - 090913_XS_02_AGRICULTURE

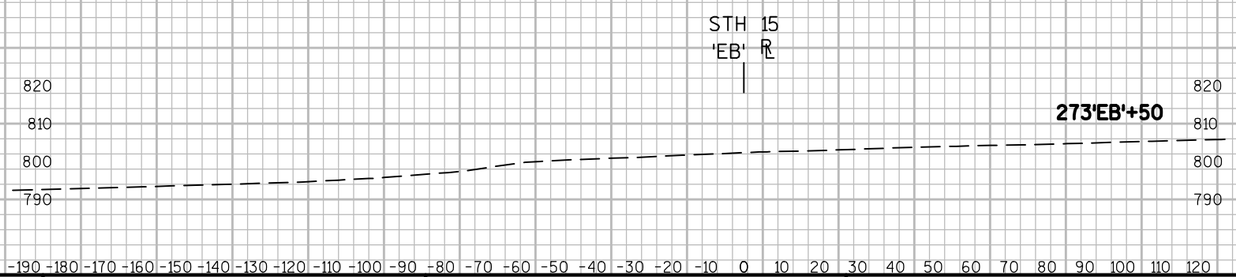
PLOT DATE : 10/25/2017 8:26 AM PLOT BY : SIMMONS, MASON A PLOT NAME : PLOT SCALE : 1:10_XREF

WISDOT/CADDS SHEET 49

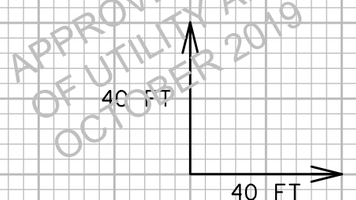








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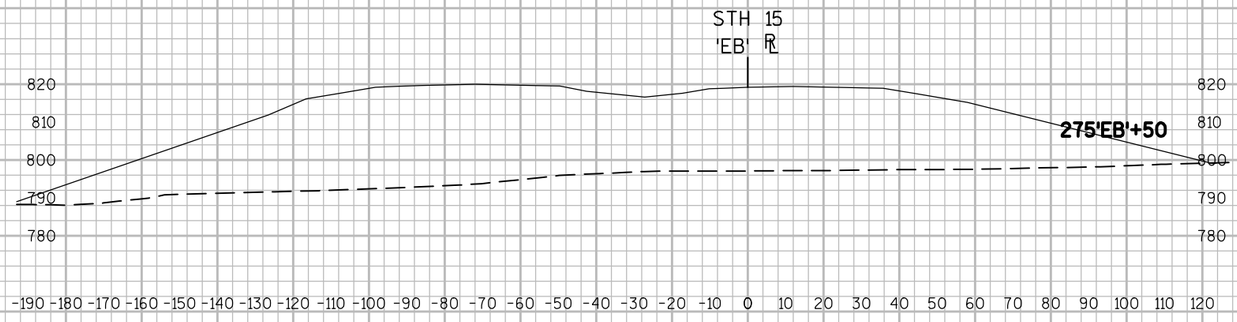
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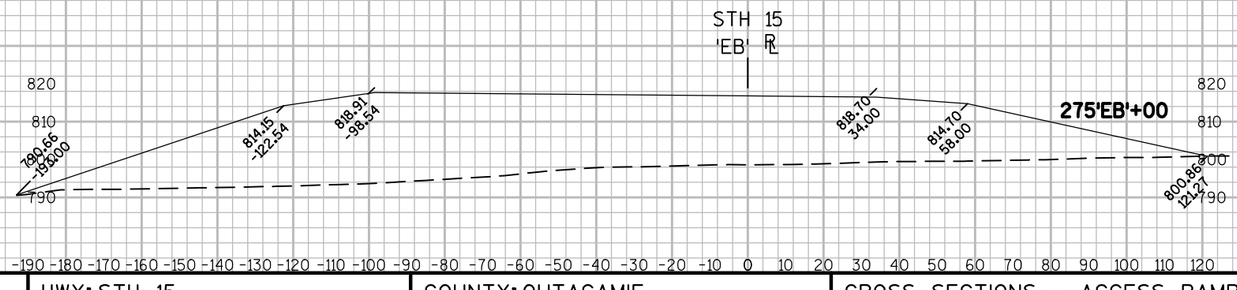
PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS - ACCESS RAMP	SHEET E

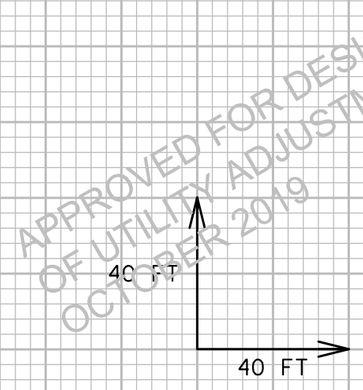
PRE_497

FILE NAME : N:\PDS\C3D\11467571\SHEETSPLAN\11467571\11467571_090910_XS_TEMPORARY RAMP.DWG
LAYOUT NAME - 090910_XS

PLOT DATE : 8/3/2016 11:27 AM PLOT BY : SIMMONS, MASON A PLOT NAME : PLOT SCALE : 1 IN:40 FT







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PROJECT NO: 1146-75-71	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS - ACCESS RAMP	SHEET E

PRE_498

FILE NAME : N:\PDS\C3D\11467571\SHEETSPLAN\11467571\11467571_090910_XS_TEMPORARY RAMP.DWG
LAYOUT NAME - 090911_XS

PLOT DATE : 8/3/2016 11:27 AM PLOT BY : SIMMONS, MASON A PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISCONSIN DEPARTMENT OF TRANSPORTATION

EPlans Preliminary Sheet Numbering Tool

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

Notes

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

TO ADD PRELIMINARY SHEET NUMBERS

1. Insert this sheet at the end of the plan

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

2. Click the Place Preliminary Sheet Numbers button

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

3. Re-Save the PDF

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

Place Preliminary Sheet Numbers

TO REMOVE PRELIMINARY SHEET NUMBERS

Remove

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