PROJECT ID: 1204-05-76
WITH: 1204-05-73

COUNTY: IOWA & DANE

ORDER OF SHEETS

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

TOTAL SHEETS =

DESIGN DESIGNATION

A.A.D.T.	2020	=	19,280 TO 23,500
A.A.D.T.	2040	=	22,280 TO 30,860
D.H.V.		=	2,400
D.D.		=	50/50
T.		=	15.5%
DESIGN SPEED		=	70 MPH
ESALS		=	11,000,000

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 (300'EB')
- 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

STATE PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
1204-05-76		

DODGEVILLE - MOUNT HOREB

CTH BB TO CTH JG

USH 18

IOWA & DANE COUNTY

Trans 220: Approved for Utility Relocation Design

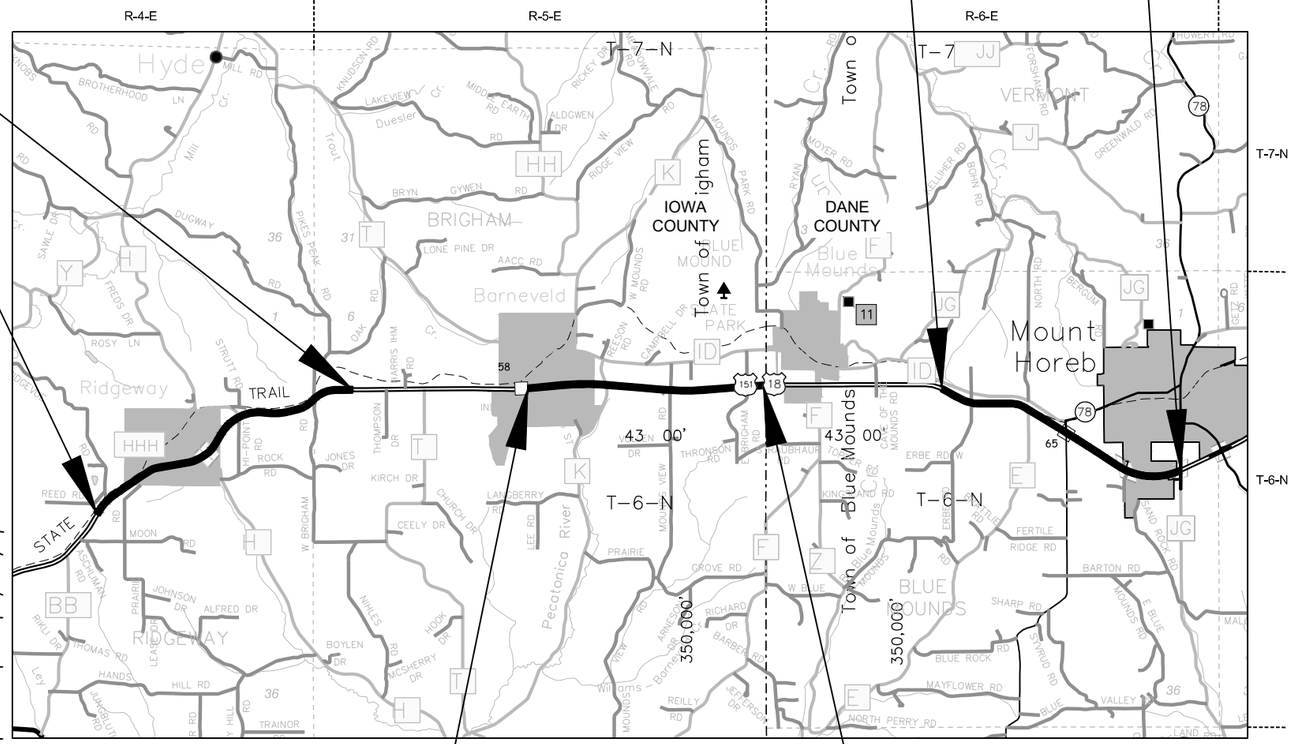
STATE PROJECT NUMBER
1204-05-76

END WEST SEGMENT
STA 1339+00'WB'

BEGIN PROJECT
STA 1127+75'WB'
X=410,440.74
Y=162,454.07

BEGIN EAST SEGMENT
STA 1762+20'WB'

END PROJECT
STA 1935+50'WB'



BEGIN MIDDLE SEGMENT
STA 1499+50'WB'

END MIDDLE SEGMENT
STA 1616+50'WB'

LAYOUT
SCALE 0 2 MI

TOTAL NET LENGTH OF CENTERLINE = 9.499 MI.

HORIZONTAL POSITIONS SHOWN ON THIS PLAN ARE WISCONSIN COORDINATE REFERENCE SYSTEM (WISCRS), IOWA & DANE COUNTY, NAD83 (2011), IN U.S. SURVEY FEET. POSITIONS SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES ARE THE SAME AS GROUND DISTANCES. ELEVATIONS ARE REFERENCED TO NAVD 88 (2012). GPS DERIVED ELEVATIONS ARE BASED ON GEOID 12A.

ORIGINAL PLANS PREPARED BY

OES
An Oneida ESC Group Company

DATE: _____ _____
(Professional Engineer Signature)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PREPARED BY

Surveyor	ONEIDA ENGINEERING SOLUTIONS
Designer	ONEIDA ENGINEERING SOLUTIONS
Project Manager	MARK VESPERMAN
Regional Examiner	SW REGION
Regional Supervisor	SCOTT SCHOENMANN

APPROVED FOR THE DEPARTMENT

DATE: _____ _____
(Signature)

FILE NAME : P:\2018 PROJECTS\5018041 - WISDOT SWR US 18_151\CIVIL3D\SHEETSPLAN\1204-05-76\010101-TI.DWG PLOT DATE : 12/9/2019 2:46 PM PLOT BY : BRETT PETERSON PLOT NAME :

2

GENERAL NOTES

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

CONTRACTOR WILL BE RESPONSIBLE FOR RESHAPING AND SEEDING ANY PREVIOUSLY GRASSED AREAS WHICH ARE DISTURBED BY HIS OPERATION OUTSIDE OF THE NORMAL CONSTRUCTION LIMITS.

DISTURBED AREAS WITHIN THE RIGHT OF WAY ARE TO BE TOPSOILED, FERTILIZED, SEEDED, AND MULCHED OR SODDED AS DIRECTED BY THE ENGINEER.

EROSION CONTROL FEATURES AS SHOWN ON THE PLANS ARE AT SUGGESTED LOCATIONS. THE EXACT LOCATION WILL BE DETERMINED BY THE ENGINEER IN THE FIELD.

THE QUANTITY OF THE ITEMS FOR EROSION PROTECTION INCLUDES AN UNDISTRIBUTED AMOUNT FOR PROTECTION, CONTROL, AND ABATEMENT OF WATER POLLUTION RESULTING FROM SOIL EROSION. THE DISTRIBUTION AND LOCATION OF THESE MATERIALS ARE TO BE DETERMINED BY THE ENGINEER.

NUMBER, LOCATION, AND SPACING OF SIGNS AND DEVICES, AS SHOWN IN THE PLANS, SHALL BE ADJUSTED TO FIT FIELD CONDITIONS.

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

PRIOR TO PLACEMENT OF CABLE BARRIER THE SHOULDERS SHALL BE IN PLACE, SHAPED, AND COMPACTED.

STANDARD ABBREVIATIONS

AGG	AGGREGATE
ASPH.	ASPHALTIC
BM	BENCH MARK
C/L	CENTER LINE
CMCP	CORRUGATED METAL CULVERT PIPE
CMP	CORRUGATED METAL PIPE
CO.	COUNTY
CTH	COUNTRY TRUCK HIGHWAY
CONC	CONCRETE
CPRC	CULVERT PIPE REINFORCED CONCRETE
CY	CUBIC-YARD
C&G	CURB AND GUTTER
DIA.	DIAMETER
EB	EASTBOUND
EL	ELEVATION
EXIST	EXISTING
F.E.	FIELD ENTRANCE
HMA	HOT MIX ASPHALT
INV	INVERT
LT	LEFT
M/L	MATCHLINE
NB	NORTHBOUND
PAV'T	PAVEMENT
P.C.	POINT OF CURVATURE
P.I.	POINT OF INTERSECTION
P.T.	POINT OF TANGENCY
R	RADIUS OF CURVE
R/L	REFERENCE LINE
REQ'D	REQUIRED
RT	RIGHT
R/W	RIGHT OF WAY
SHLD.	SHOULDER(S)
STA.	STATION
SY	SQUARE YARD
TYP	TYPICAL
V.C.L.	VERTICAL CURVE LENGTH
V.P.C.	VERTICAL POINT OF CURVATURE
V.P.I .	VERTICAL POINT OF INTERSECTION
V.P.T.	VERTICAL POINT OF TANGENCY
WB	WESTBOUND

ORDER OF SECTION 2 SHEETS

GENERAL NOTES
PROJECT OVERVIEW
TYPICAL SECTIONS
CONSTRUCTION DETAILS
PLAN DETAILS
EROSION CONTROL PLAN
TRAFFIC CONTROL

DNR LIAISON

ERIC HEGGELUND
ENVIRONMENTAL ANALYSIS & REVIEW SPECIALIST
WISCONSIN DEPT. OF NATURAL RESOURCES
SOUTH CENTRAL REGION
3911 FISH HATCHERY ROAD
FITCHBURG, WI 53711
(608) 275-3301
ERIC.HEGGELUND@WISCONSIN.GOV

DESIGN CONTACTS

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PROJECT MANAGER
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BRETT PETERSON
PROJECT DESIGNER
ONEIDA ENGINEERING SOLUTIONS
5100 EASTPARK BLVD. SUITE 300
MADISON, WI 53718
(608) 241-6710
BPETERSON@OESLLC.COM

UTILITY CONTACTS

ATC - ELECTRICITY TRANSMISSION
MIKE OLSEN
801 O'KEEFE ROAD
P.O. BOX 6113
DE PERE, WI 54115-6113
(920) 338-6582
MOLSEN@ATCLLC.COM

ALLIANT ENERGY - ELECTRICITY
MICHAEL BROLIN
4902 NORTH BILTMORE LANE
MADISON, WI 53713
(608) 458-4871
MICHAELBROLIN@ALLIANTENERGY.COM

CHARTER COMMUNICATIONS - COMM
BRANDON STORM
2701 DANIELS STREET
MADISON, WI 53718
(608) 274-3822
BRANDON.STORM@CHARTER.COM

FRONTIER COMMUNICATIONS - COMM
RUSS RYAN
107 PLEASANT VIEW DRIVE
PLYMOUTH, WI 53073
(920) 583-3275
RUSSEL.W.RYAN@FTR.COM

MOUNT HOREB TELEPHONE COMPANY
KEVIN MAYNE
200 EAST MAIN STREET
MOUNT HOREB, WI 53572
(608) 437-6770
KEVIN.MAYNE@MHTCINC.COM

MG&E COMPANY - GAS/PETROLEUM
JANE ROSSING
P.O. BOX 1231
MADISON, WI 53701-1231
(608) 252-7099
GROSSING@MGE.COM

PACKERLAND BROADBAND - COMM
ANDREW HEIGL
105 KENT STREET
P.O. BOX 190
IRON MOUNTAIN, MI 49801
(906)221-7536
ANDY.HEIGL@PACKERLANDBROADBAND.COM

UNIVERSITY OF WISCONSIN - COMM
PATRICK CHRISTIAN
1210 WEST DAYTON STREET
MADISON, WI 53705
(608) 265-9699
PATRICK.CHRISTIAN@WISC.EDU

WISDOT RWIS PROGRAM - COMM
MIKE ADAMS
ROOM 501
P.O. BOX 7986
MADISON, WI 53707-7986
(608) 266-5004
MICHAEL.ADAMS@DOT.WI.GOV

RIDGEWAY VILLAGE - WATER
JEFF BRINDLEY - DPW
P.O. BOX 128
113 DOUGHERTY COURT
RIDGEWAY, WI 53582-0028
(608) 924-1520
RIDGEWAY.PWD@MHTC.NET

VILLAGE OF BARNEVELD - SEWER
JOE JORDEE
403 EAST COUNTY HWY ID
BARNEVELD, WI 53507
(608) 924-6861
BARNEVELD@MHTC.NET

VILLAGE OF BARNEVELD - WATER
JOE JORDEE
403 EAST COUNTY HWY ID
BARNEVELD, WI 53507
(608) 924-6861
BARNEVELD@MHTC.NET

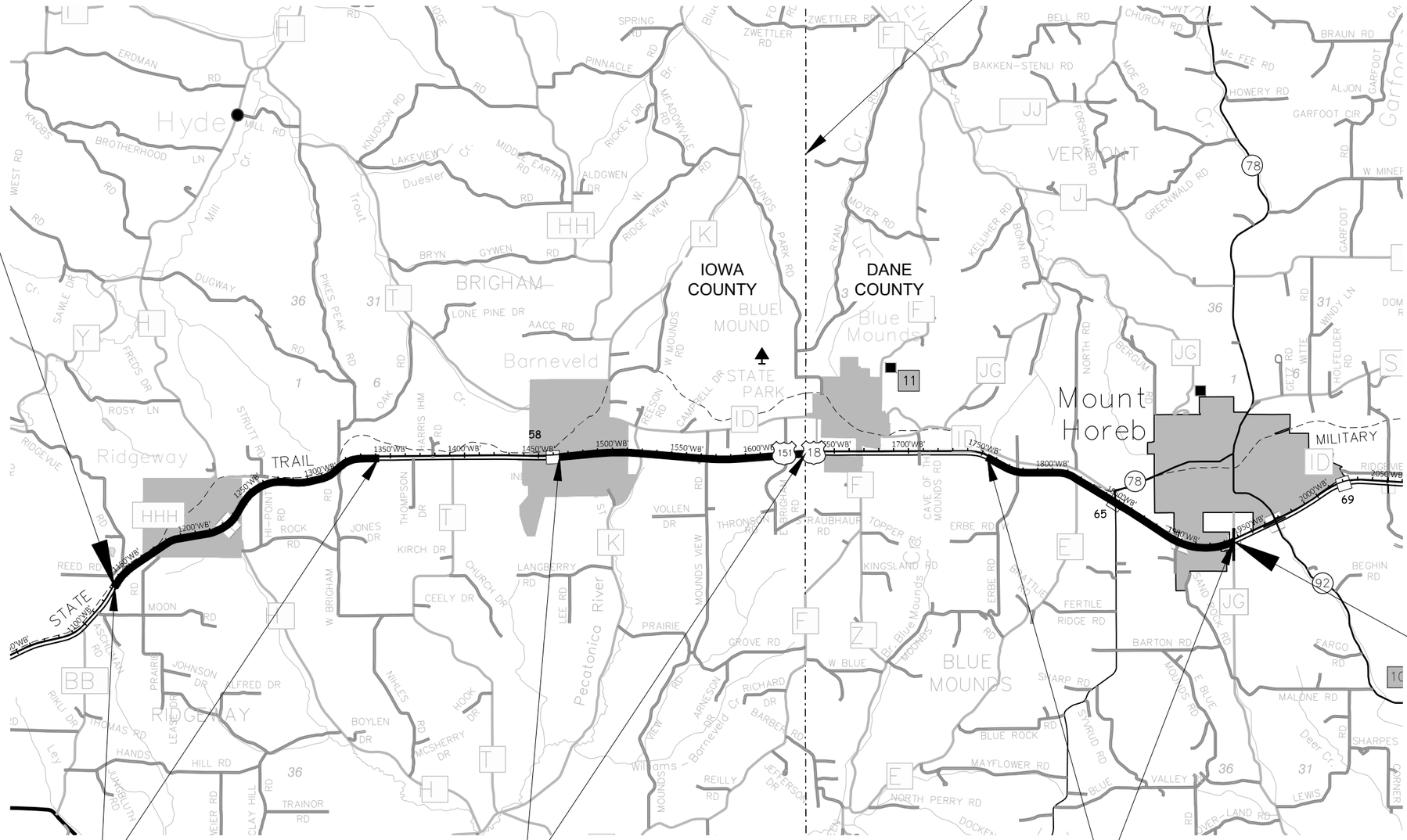
DIGGERS HOTLINE
Dial 811 or (800)242-8511
www.DiggersHotline.com

2

N

COUNTY LINE

BEGIN PROJECT
STA 1127+75'WB'



END PROJECT
STA 1935+50'WB'

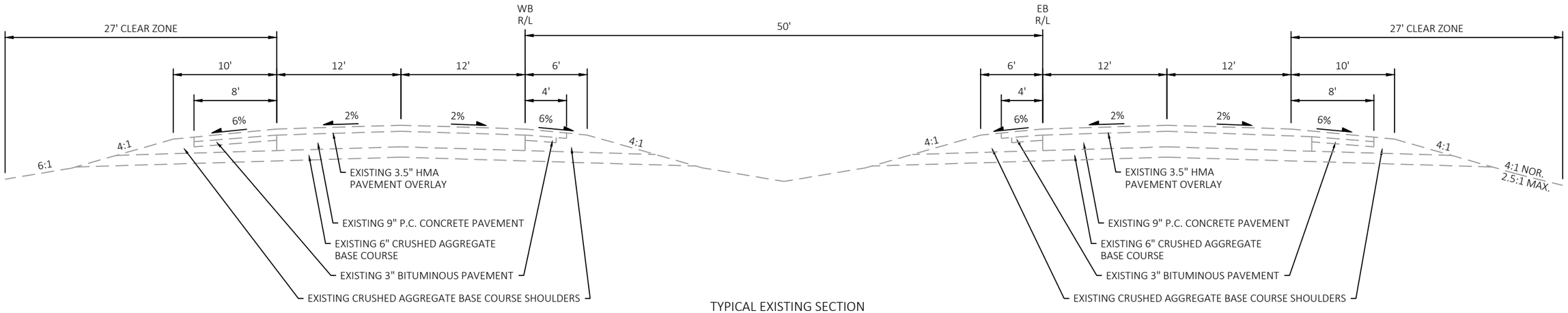
CABLE BARRIER INSTALLATION AND MEDIAN GRADING FROM STA. 1127+75'WB' TO STA. 1339+00'WB'.

CABLE BARRIER INSTALLATION AND MEDIAN GRADING FROM STA. 1499+50'WB' TO STA. 1616+50'WB'.

CABLE BARRIER INSTALLATION AND MEDIAN GRADING FROM STA. 1762+20'WB' TO STA. 1935+50'WB'

PROJECT NO: 1204-05-76	HWY: USH 18	COUNTY: IOWA & DANE	PROJECT OVERVIEW	SHEET 3	E

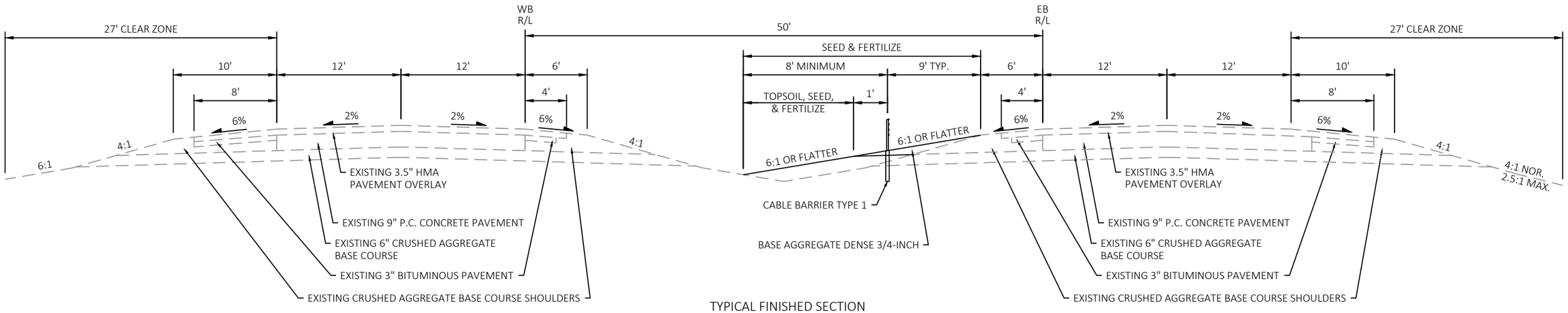
FILE NAME : P:\2018 PROJECTS\5018041 - WISDOT SWR US 18_151\CIVIL3D\SHEETSPLAN\1204-05-76\020201-PO.DWG
LAYOUT NAME - 020201-po
PLOT DATE : 12/9/2019 2:47 PM
PLOT BY : BRETT PETERSON
PLOT NAME :
PLOT SCALE : 1 IN:8000 FT
WISDOT/CADDS SHEET 42



TYPICAL EXISTING SECTION

USH 18

STA. 1127+75'WB' TO STA. 1180+25'WB'	STA. 1315+00'EB' TO STA. 1323+00'EB'
STA. 1181+75'WB' TO STA. 1219+25'WB'	STA. 1323+50'WB' TO STA. 1339+00'WB'
STA. 1225+10'WB' TO STA. 1232+85'WB'	STA. 1499+50'WB' TO STA. 1518+00'WB'
STA. 1233+50'WB' TO STA. 1257+00'WB'	STA. 1519+50'EB' TO STA. 1525+00'EB'
STA. 1258+75'EB' TO STA. 1283+75'EB'	STA. 1526+00'WB' TO STA. 1558+75'WB'
STA. 1284+75'EB' TO STA. 1288+25'EB'	STA. 1559+50'WB' TO STA. 1563+00'WB'
STA. 1289+00'EB' TO STA. 1292+75'EB'	STA. 1564+50'EB' TO STA. 1581+00'EB'
STA. 1293+50'WB' TO STA. 1313+00'WB'	STA. 1581+50'WB' TO STA. 1616+50'WB'



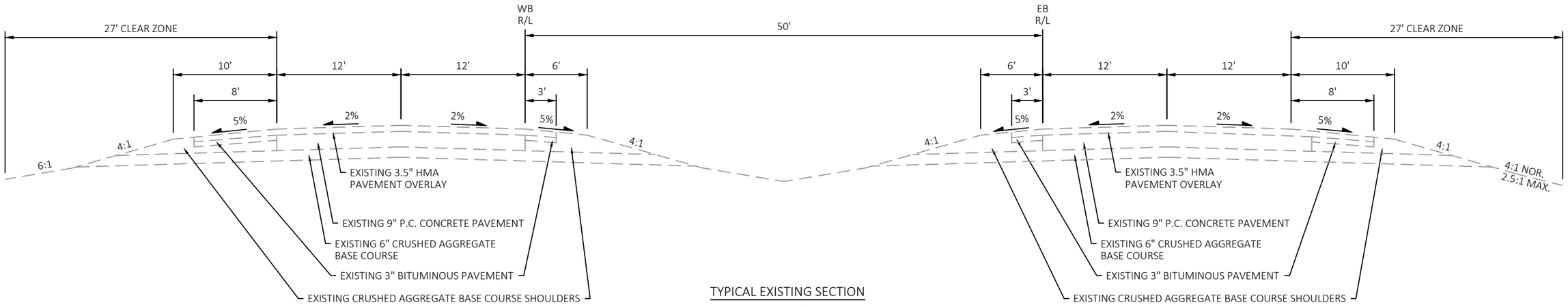
TYPICAL FINISHED SECTION

USH 18

(MIRRORED FOR CABLE GUARD ON WB SIDE OF MEDIAN DITCH)

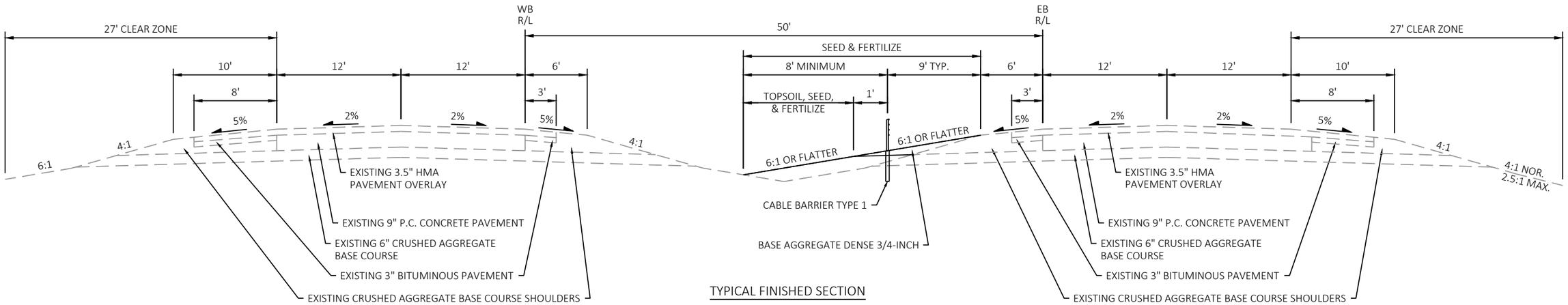
STA. 1127+75'WB' TO STA. 1180+25'WB'	STA. 1315+00'EB' TO STA. 1323+00'EB'
STA. 1181+75'WB' TO STA. 1219+25'WB'	STA. 1323+50'WB' TO STA. 1339+00'WB'
STA. 1225+10'WB' TO STA. 1232+85'WB'	STA. 1499+50'WB' TO STA. 1518+00'WB'
STA. 1233+50'WB' TO STA. 1257+00'WB'	STA. 1519+50'EB' TO STA. 1525+00'EB'
STA. 1258+75'EB' TO STA. 1283+75'EB'	STA. 1526+00'WB' TO STA. 1558+75'WB'
STA. 1284+75'EB' TO STA. 1288+25'EB'	STA. 1559+50'WB' TO STA. 1563+00'WB'
STA. 1289+00'EB' TO STA. 1292+75'EB'	STA. 1564+50'EB' TO STA. 1581+00'EB'
STA. 1293+50'WB' TO STA. 1313+00'WB'	STA. 1581+50'WB' TO STA. 1616+50'WB'

PROJECT NO: 1204-05-76	HWY: USH 18	COUNTY: IOWA & DANE	TYPICAL SECTIONS - IOWA COUNTY	SHEET 4	E



TYPICAL EXISTING SECTION

USH 18
STA. 1762+20'WB' TO STA. 1775+75'WB'
STA. 1777+50'EB' TO STA. 1796+25'EB'
STA. 1797+25'EB' TO STA. 1810+75'EB'
STA. 1811+50'EB' TO STA. 1846+75'EB'
STA. 1848+50'EB' TO STA. 1880+10'EB'
STA. 1881+10'WB' TO STA. 1894+75'WB'
STA. 1898+00'WB' TO STA. 1912+00'WB'
STA. 1912+75'WB' TO STA. 1935+50'WB'



TYPICAL FINISHED SECTION

USH 18
(MIRRORED FOR CABLE GUARD ON WB SIDE OF MEDIAN DITCH)
STA. 1762+20'WB' TO STA. 1775+75'WB'
STA. 1777+50'EB' TO STA. 1796+25'EB'
STA. 1797+25'EB' TO STA. 1810+75'EB'
STA. 1811+50'EB' TO STA. 1846+75'EB'
STA. 1848+50'EB' TO STA. 1880+10'EB'
STA. 1881+10'WB' TO STA. 1894+75'WB'
STA. 1898+00'WB' TO STA. 1912+00'WB'
STA. 1912+75'WB' TO STA. 1935+50'WB'

2

ALL UTILITIES ARE APPROXIMATE. ACTUAL LOCATIONS MUST BE FIELD VERIFIED.
ADJUST CABLE BARRIER POST SPACING AS NEEDED TO ACCOMMODATE EXISTING UTILITY, STORM SEWER, AND DRAINAGE PIPE CROSSINGS. MINIMUM POST SPACING IS 7'.
MAXIMUM POST SPACING IS 15'.

PI STA = 1119+34.60'WB'
Y = 161724.374
X = 410015.470
DELTA = 11°49'29"
D = 1°00'32"
T = 588.16'
L = 1172.14'
R = 5679.58'
PC STA = 1113+46.44'WB'
PT STA = 1125+18.58'WB'

PT: 1125+18.58'WB'

BEGIN CABLE BARRIER
STA. 1127+75'WB'
15' RT.

PACKERLAND BROADBAND

PC: 1135+16.22'WB'

1124'WB' 1126'WB' 1128'WB' 1130'WB' N30° 14' 01"E 1132'WB' 1134'WB' 1136'WB' 1138'WB'

USH 18/151

1124'EB' 1126'EB' 1128'EB' 1130'EB' N30° 14' 01"E 1132'EB' 1134'EB' 1136'EB' 1138'EB'

USH 18/151

SIGN

MATCHLINE STA. 1138+75.00'EB'

PT: 1125+74.90'EB'

SLOPE INTERCEPT
(TYP.)

PC: 1135+72.54'EB'

PI STA = 1119+85.78'EB'
Y = 161694.724
X = 410056.061
DELTA = 11°49'29"
D = 1°00'00"
T = 593.34'
L = 1182.46'
R = 5729.58'
PC STA = 1113+92.44'EB'
PT STA = 1125+74.90'EB'

MEDIAN SPECIAL DITCH				
STATION	ELEVATION	STATION	ELEVATION	SLOPE
1128+50.00'WB'	1207.14	1133+87.00'WB'	1205.51	0.30%
1137+50.00'WB'	1204.90	1140+00.00'WB'	1204.02	0.35%
1144+00.00'WB'	1203.54	1146+00.00'WB'	1204.60	0.53%
1149+00.00'WB'	1201.60	1157+03.00'WB'	1199.10	0.31%

STA. 1133+89'WB'
EXISTING INLET
MEDIAN 1 GRATE
TO REMAIN

MOUNT HOREB TELEPHONE COMPANY

PI STA = 1140+09.81'WB'
Y = 163857.872
X = 411258.876
DELTA = 25°37'34"
D = 1°28'29"
T = 883.59'
L = 1737.61'
R = 3885.00'
PC STA = 1135+16.22'WB'
PT STA = 1152+53.84'WB'

ALLIANT ENERGY

PACKERLAND BROADBAND

MOUNT HOREB TELEPHONE COMPANY

CANOPY

PT: 1152+53.84'WB'

1140'WB' 1142'WB' 1144'WB' 1146'WB' 1148'WB' 1150'WB' 1152'WB'

USH 18/151

1140'EB' 1142'EB' 1144'EB' 1146'EB' 1148'EB' 1150'EB' 1152'EB'

USH 18/151

MATCHLINE STA. 1138+75.00'EB'

MATCHLINE STA. 1153+50.00'EB'

PT: 1152+87.79'EB'

STA. 1143+12'WB'
RECONSTRUCT
EXISTING INLET
MEDIAN 2 GRATE

SLOPE INTERCEPT
(TYP.)

PI STA = 1144+44.76'EB'
Y = 163822.871
X = 411296.349
DELTA = 25°37'34"
D = 1°29'38"
T = 872.21'
L = 1715.25'
R = 3835.00'
PC STA = 1135+72.54'EB'
PT STA = 1152+87.79'EB'

STA. 1127+75'WB' TO STA. 1219+25'WB'
CABLE BARRIER TYPE I AND CABLE
BARRIER END TERMINAL TYPE I
NET LENGTH = 9150 LF

PROJECT NO: 1204-05-76	HWY: USH 18	COUNTY: IOWA & DANE	PLAN DETAILS - CABLE BARRIER LAYOUT - IOWA COUNTY	SHEET 6	E

ALL UTILITIES ARE APPROXIMATE. ACTUAL LOCATIONS MUST BE FIELD VERIFIED. ADJUST CABLE BARRIER POST SPACING AS NEEDED TO ACCOMMODATE EXISTING UTILITY, STORM SEWER, AND DRAINAGE PIPE CROSSINGS. MINIMUM POST SPACING IS 7'. MAXIMUM POST SPACING IS 15'.

2

2

MATCHLINE STA.1153+50.00'EB'

MATCHLINE STA. 1168+25.00'EB'

BIKE PATH

BIKE PATH

ALLIANT ENERGY

PACKERLAND BROADBAND

MOUNT HOREB TELEPHONE COMPANY

SIGN

1154'WB' 1156'WB' 1158'WB' 1160'WB' USH 18/151 1162'WB' N55° 51' 36"E 1164'WB' 1166'WB' 11

1154'EB' 1156'EB' 1158'EB' 1160'EB' N55° 51' 36"E 1162'EB' 1164'EB' 1166'EB' 1168'EB'

USH 18/151

STA. 1157+03'WB'
EXISTING 18-INCH CULVERT AND ENDWALLS TO REMAIN. MATCH GRADING AROUND ENDWALLS.

PRAIRIE RD

SLOPE INTERCEPT
(TYP.)

SEPTIC

MEDIAN SPECIAL DITCH				
STATION	ELEVATION	STATION	ELEVATION	SLOPE
1149+00.00'WB'	1201.60	1157+03.00'WB'	1199.10	0.31%
1157+03.00'WB'	1199.10	1160+00.00'WB'	1199.99	0.30%
1174+72.00'WB'	1197.73	1175+00.00'WB'	1197.85	0.43%
1175+00.00'WB'	1197.85	1175+50.00'WB'	1197.15	1.40%
1175+50.00'WB'	1197.15	1176+00.00'WB'	1196.30	1.70%
1176+00.00'WB'	1196.30	1176+50.00'WB'	1194.96	2.68%

CABLE BARRIER SHALL IN INSTALLED 5' FROM EXISTING BEAM GUARD. A 30:1 OF FLATTER TAPER TO BE USED IF CABLE BARRIER OFFSET IS TO BE ADJUSTED TO MAINTAIN 5' MINIMUM.

ALLIANT ENERGY

MOUNT HOREB TELEPHONE COMPANY

PACKERLAND BROADBAND

PC: 1179+79.94'WB'

MAIN ST

N

SIGN

SIGN

MATCHLINE STA.1168+25.00'EB'

MATCHLINE STA. 1183+00.00'EB'

58'WB' 1170'WB' 1172'WB' 1174'WB' USH 18/151 1176'WB' 1178'WB' 1180'WB' 1182'WB'

1170'EB' 1172'EB' 1174'EB' INL 1176'EB' 1178'EB' 1180'EB' 1182'EB'

USH 18/151

STA. 1174+72'WB'
EXISTING 18-INCH CULVERT AND ENDWALL TO REMAIN. MATCH GRADING AROUND ENDWALL.

SLOPE INTERCEPT
(TYP.)

PRAIRIE RD

W

SIGN

SIGN

SIGN

SIGN

PC: 1180+13.90'EB'

MAIN ST

PROJECT NO: 1204-05-76	HWY: USH 18	COUNTY: IOWA & DANE	PLAN DETAILS - CABLE BARRIER LAYOUT - IOWA COUNTY	SHEET 7	E

FILE NAME : P:\2018 PROJECTS\5018041 - WISDOT SWR US 18_151\CIVIL3D\SHEETSPLAN\1204-05-76\021201-PD TO 021213-PD (IOWA COUNTY).DWG
LAYOUT NAME - 021202-pd
PLOT DATE : 12/9/2019 3:52 PM PLOT BY : BRETT PETERSON PLOT NAME : PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 44

ALL UTILITIES ARE APPROXIMATE. ACTUAL LOCATIONS MUST BE FIELD VERIFIED.
ADJUST CABLE BARRIER POST SPACING AS NEEDED TO ACCOMMODATE EXISTING UTILITY, STORM SEWER, AND DRAINAGE PIPE CROSSINGS. MINIMUM POST SPACING IS 7'. MAXIMUM POST SPACING IS 15'.

PI STA = 1184+01.66'WB'
Y = 166120.371
X = 414595.545
DELTA = 24°17'14"
D = 2°55'24"
T = 421.72'
L = 830.77'
R = 1959.86'
PC STA = 1179+79.94'WB'
PT STA = 1188+10.71'WB'

PI STA = 1184+24.86'EB'
Y = 166072.950
X = 414614.701
DELTA = 24°17'14"
D = 3°00'00"
T = 410.96'
L = 809.58'
R = 1909.86'
PC STA = 1180+13.90'EB'
PT STA = 1188+23.47'EB'

MATCHLINE STA. 1183+00.00'EB'

1184'WB' 1186'WB' 1188'WB' 1190'WB' 1192'WB' 1194'WB' 1196'WB'

1184'EB' 1186'EB' 1188'EB' 1190'EB' 1192'EB' 1194'EB' 1196'EB'

PT: 1188+10.71'WB'

PT: 1188+23.47'EB'

INL

USH 18/151

USH 18/151

STA. 1187+22'WB'
EXISTING INLET
MEDIAN 1 GRATE
TO REMAIN

SLOPE INTERCEPT
(TYP.)

PACKERLAND BROADBAND

SIGN

SIGN

SIGN

MATCHLINE STA. 1197+75.00'EB'

FO E OH

STA. 1198+76'WB'
RECONSTRUCT
EXISTING INLET
MEDIAN 1 GRATE

ALLIANT ENERGY

PACKERLAND BROADBAND

PC: 1208+33.02'WB'

STA. 1209+75'WB'
RECONSTRUCT
EXISTING INLET
MEDIAN 1 GRATE

MATCHLINE STA.1197+75.00'EB'

1198'WB' 1200'WB' N80° 08' 50"E 1202'WB' 1204'WB' 1206'WB' 1208'WB' 1210'WB' 1212'WB'

1198'EB' 1200'EB' N80° 08' 50"E 1202'EB' 1204'EB' 1206'EB' 1208'EB' 1210'EB' 1212'EB'

USH 18/151

USH 18/151

INL

STA. 1125+75'WB' TO STA. 1219+25'WB'
CABLE BARRIER TYPE I AND CABLE
BARRIER END TERMINAL TYPE I
NET LENGTH = 9150 LF

SLOPE INTERCEPT
(TYP.)

PC: 1208+45.78'EB'

RUINS

RUINS

SIGN

MATCHLINE STA. 1212+50.00'EB'

PROJECT NO: 1204-05-76	HWY: USH 18	COUNTY: IOWA & DANE	PLAN DETAILS - CABLE BARRIER LAYOUT - IOWA COUNTY	SHEET 8	E

FILE NAME : P:\2018 PROJECTS\5018041 - WISDOT SWR US 18_151\CIVIL3D\SHEETSPLAN\1204-05-76\021201-PD TO 021213-PD (IOWA COUNTY).DWG
LAYOUT NAME - 021203-pd
PLOT DATE : 12/9/2019 3:55 PM PLOT BY : BRETT PETERSON PLOT NAME : PLOT SCALE : 1 IN:100 FT

ALL UTILITIES ARE APPROXIMATE. ACTUAL LOCATIONS MUST BE FIELD VERIFIED.
ADJUST CABLE BARRIER POST SPACING AS NEEDED TO ACCOMMODATE EXISTING UTILITY, STORM SEWER, AND DRAINAGE PIPE CROSSINGS. MINIMUM POST SPACING IS 7'.
MAXIMUM POST SPACING IS 15'.

MOUNT HOREB TELEPHONE COMPANY

PACKERLAND BROADBAND

ALLIANT ENERGY

BEGIN CABLE BARRIER
STA. 1225+10'WB'
15' RT.

PI STA = 1220+90.30'WB'
Y = 166753.730
X = 418242.260
DELTA = 48°05'14"
D = 2°01'59"
T = 1257.28'
L = 2365.19'
R = 2818.12'
PC STA = 1208+33.02'WB'
PT STA = 1231+98.21'WB'

END CABLE BARRIER
STA. 1219+25'WB'
15' RT.

STA. 1220+55'WB'
EXISTING INLET
MEDIAN 2 GRATE
TO REMAIN

MATCHLINE STA. 1212+50.00'EB'

MATCHLINE STA. 1227+25.00'EB'

1214'WB' 1216'WB' 1218'WB' 1220'WB' 1222'WB' 1224'WB' 1226'WB'

1214'EB' 1216'EB' 1218'EB' 1220'EB' 1222'EB' 1224'EB' 1226'EB'

USH 18/151

USH 18/151

CTH H

CTH H

INL

INL

INL

FO

OH

MH

PI STA = 1221+25.37'EB'
Y = 166708.285
X = 418272.794
DELTA = 48°05'14"
D = 1°59'52"
T = 1279.59'
L = 2407.16'
R = 2868.12'
PC STA = 1208+45.78'EB'
PT STA = 1232+52.94'EB'

SLOPE INTERCEPT
(TYP.)

STA. 1218+96'EB'
EXISTING 18-INCH CULVERT AND
ENDWALL TO REMAIN. MATCH
GRADING AROUND ENDWALL

STA. 1224+06'WB'
EXISTING INLET
MEDIAN 2 GRATE
TO REMAIN

ALLIANT ENERGY

END CABLE BARRIER
STA. 1232+85'WB'
15' RT.

BEGIN CABLE BARRIER
STA. 1233+50'WB'
15' RT.

PT: 1231+98.21'WB'

PACKERLAND BROADBAND

MATCHLINE STA. 1227+25.00'EB'

MATCHLINE STA. 1242+00.00'EB'

1228'WB' 1230'WB' 1232'WB' 1234'WB' 1236'WB' 1238'WB' 1240'WB'

1228'EB' 1230'EB' 1232'EB' 1234'EB' 1236'EB' 1238'EB' 1240'EB'

USH 18/151

USH 18/151

N32° 03' 36"E

N32° 03' 36"E

STA. 1233+38'WB'
EXISTING INLET
MEDIAN 1 GRATE
TO REMAIN

SLOPE INTERCEPT
(TYP.)

PT: 1232+52.94'EB'

STA. 1225+10'WB' TO STA. 1232+85'WB'
CABLE BARRIER TYPE I AND CABLE
BARRIER END TERMINAL TYPE I
NET LENGTH = 775 LF

PROJECT NO: 1204-05-76	HWY: USH 18	COUNTY: IOWA & DANE	PLAN DETAILS - CABLE BARRIER LAYOUT - IOWA COUNTY	SHEET 9	E

FILE NAME : P:\2018 PROJECTS\5018041 - WISDOT SWR US 18_151\CIVIL3D\SHEETSPLAN\1204-05-76\021201-PD TO 021213-PD (IOWA COUNTY).DWG
LAYOUT NAME - 021204-pd

PLOT DATE : 12/9/2019 3:57 PM PLOT BY : BRETT PETERSON PLOT NAME : PLOT SCALE : 1 IN:100 FT

ALL UTILITIES ARE APPROXIMATE. ACTUAL LOCATIONS MUST BE FIELD VERIFIED.
ADJUST CABLE BARRIER POST SPACING AS NEEDED TO ACCOMMODATE EXISTING UTILITY, STORM SEWER, AND DRAINAGE PIPE CROSSINGS. MINIMUM POST SPACING IS 7'. MAXIMUM POST SPACING IS 15'.

PI STA = 1260+04.00'WB'
Y = 170197.151
X = 420398.964
DELTA = 62°40'24"
D = 1°57'45"
T = 1777.60'
L = 3193.43'
R = 2919.43'
PC STA = 1242+26.40'WB'
PT STA = 1274+19.84'WB'

PACKERLAND BROADBAND

USH 18/151

PC: 1242+26.40'WB'

MATCHLINE STA. 1242+00.00'EB'

PC: 1242+81.13'EB'

STA. 1246+18'WB'
EXISTING INLET
MEDIAN 1 GRATE
TO REMAIN

STA. 1233+50'WB' TO STA. 1257+00'WB'
CABLE BARRIER TYPE I AND CABLE
BARRIER END TERMINAL TYPE I
NET LENGTH = 2350 LF

SLOPE INTERCEPT
(TYP.)

PI STA = 1260+28.28'EB'
Y = 170144.810
X = 420425.179
DELTA = 62°40'24"
D = 1°59'48"
T = 1747.16'
L = 3138.74'
R = 2869.43'
PC STA = 1242+81.13'EB'
PT STA = 1274+19.87'EB'

MATCHLINE STA. 1256+75.00'EB'

HI-POINT RD

END CABLE BARRIER
STA. 1257+00'WB'
15' RT.

SLOPE INTERCEPT
(TYP.)

STA. 1266+93'EB'
RECONSTRUCT
EXISTING INLET
MEDIAN 1 GRATE

ALLIANT ENERGY

PACKERLAND BROADBAND

USH 18/151

MATCHLINE STA. 1256+75.00'EB'

STA. 1258+65'EB'
EXISTING INLET
MEDIAN 1 GRATE
TO REMAIN

BEGIN CABLE BARRIER
STA. 1258+75'EB'
15' LT.

STA. 1258+75'EB' TO STA. 1283+75'EB'
CABLE BARRIER TYPE I AND CABLE
BARRIER END TERMINAL TYPE I
NET LENGTH = 2500 LF

MATCHLINE STA. 1271+50.00'EB'

HI-POINT RD

PROJECT NO: 1204-05-76	HWY: USH 18	COUNTY: IOWA & DANE	PLAN DETAILS - CABLE BARRIER LAYOUT - IOWA COUNTY	SHEET 10	E

FILE NAME : P:\2018 PROJECTS\5018041 - WISDOT SWR US 18_151\CIVIL3D\SHEETSPLAN\1204-05-76\021201-PD TO 021213-PD (IOWA COUNTY).DWG
LAYOUT NAME - 021205-pd
PLOT DATE : 12/9/2019 3:59 PM PLOT BY : BRETT PETERSON PLOT NAME : PLOT SCALE : 1 IN:100 FT

ALL UTILITIES ARE APPROXIMATE. ACTUAL LOCATIONS MUST BE FIELD VERIFIED.
ADJUST CABLE BARRIER POST SPACING AS NEEDED TO ACCOMMODATE EXISTING UTILITY, STORM SEWER, AND DRAINAGE PIPE CROSSINGS. MINIMUM POST SPACING IS 7'.
MAXIMUM POST SPACING IS 15'.

MOUNT HOREB TELEPHONE COMPANY
ALLIANT ENERGY
PACKERLAND BROADBAND
SLOPE INTERCEPT (TYP.)
USH 18/151
S85° 16' 00"E
MATCHLINE STA.1271+50.00'EB'
MATCHLINE STA. 1286+25.00'EB'
PT: 1274+19.84'WB'
PC: 1280+24.53'WB'
PT: 1274+19.87'EB'
PC: 1280+24.56'EB'
1272'WB' 1274'WB' 1276'WB' 1278'WB' 1280'WB' 1282'WB' 1284'WB' 1286'WB'
1272'EB' 1274'EB' 1276'EB' 1278'EB' 1280'EB' 1282'EB' 1284'EB' 1286'EB'
INL

STA. 1272+91'EB'
EXISTING 18-INCH CULVERT AND ENDWALL TO REMAIN. MATCH GRADING AROUND ENDWALL.

MEDIAN SPECIAL DITCH

STATION	ELEVATION	STATION	ELEVATION	SLOPE
1281+00.00'EB'	1179.04	1283+88.00'EB'	1177.70	0.46%

END CABLE BARRIER
STA. 1283+75'EB'
15' LT.

BEGIN CABLE BARRIER
STA. 1284+75'EB'
15' LT.

STA. 1283+88'EB'
EXISTING 18-INCH CULVERT AND ENDWALL TO REMAIN. MATCH GRADING AROUND ENDWALL.

PI STA = 1286+41.30'WB'
Y = 169949.673
X = 423387.802
DELTA = 18°35'03"
D = 1°31'12"
T = 616.78'
L = 1222.72'
R = 3769.72'
PC STA = 1280+24.53'WB'
PT STA = 1292+47.25'WB'

STA. 1287+90'EB'
EXISTING 18-INCH CULVERT AND ENDWALL TO REMAIN. MATCH GRADING AROUND ENDWALL.

STA. 1292+67'EB'
EXISTING 18-INCH CULVERT AND ENDWALL TO REMAIN. MATCH GRADING AROUND ENDWALL.

MOUNT HOREB TELEPHONE COMPANY
ALLIANT ENERGY
PACKERLAND BROADBAND
BIKE PATH
USH 18/151
N76° 08' 57"E
MATCHLINE STA.1286+25.00'EB'
MATCHLINE STA. 1301+00.00'EB'
PT: 1292+47.25'WB'
PC: 1299+46.84'WB'
PT: 1292+63.50'EB'
PC: 1299+63.09'EB'
1288'WB' 1290'WB' 1292'WB' 1294'WB' 1296'WB' 1298'WB' 1300'WB'
1288'EB' 1290'EB' 1292'EB' 1294'EB' 1296'EB' 1298'EB' 1300'EB'
INL

BEGIN CABLE BARRIER
STA. 1293+50'WB'
15' RT.

STA. 1284+75'EB' TO STA. 1288+25'EB'
CABLE BARRIER TYPE I AND CABLE BARRIER END TERMINAL TYPE I
NET LENGTH = 350 LF

BEGIN CABLE BARRIER
STA. 1289+00'EB'
15' LT.

END CABLE BARRIER
STA. 1288+25'EB'
15' LT.

STA. 1289+00'EB' TO STA. 1292+75'EB'
CABLE BARRIER TYPE I AND CABLE BARRIER END TERMINAL TYPE I
NET LENGTH = 375 LF

END CABLE BARRIER
STA. 1292+75'EB'
15' LT.

SLOPE INTERCEPT (TYP.)

STA. 1298+73'WB'
EXISTING 18-INCH CULVERT AND ENDWALL TO REMAIN. MATCH GRADING AROUND ENDWALL.

PI STA = 1286+49.52'EB'
Y = 169899.169
X = 423391.829
DELTA = 18°35'03"
D = 1°30'00"
T = 624.96'
L = 1238.94'
R = 3819.72'
PC STA = 1280+24.56'EB'
PT STA = 1292+63.50'EB'

SEPTIC

PROJECT NO: 1204-05-76	HWY: USH 18	COUNTY: IOWA & DANE	PLAN DETAILS - CABLE BARRIER LAYOUT - IOWA COUNTY	SHEET 11	E

FILE NAME : P:\2018 PROJECTS\5018041 - WISDOT SWR US 18_151\CIVIL3D\SHEETSPLAN\1204-05-76\021201-PD TO 021213-PD (IOWA COUNTY).DWG
LAYOUT NAME - 021206-pd
PLOT DATE : 12/9/2019 4:01 PM
PLOT BY : BRETT PETERSON
PLOT NAME :
PLOT SCALE : 1 IN:100 FT

ALL UTILITIES ARE APPROXIMATE. ACTUAL LOCATIONS MUST BE FIELD VERIFIED.
ADJUST CABLE BARRIER POST SPACING AS NEEDED TO ACCOMMODATE EXISTING UTILITY, STORM SEWER, AND DRAINAGE PIPE CROSSINGS. MINIMUM POST SPACING IS 7'.
MAXIMUM POST SPACING IS 15'.

PI STA = 1304+63.35'WB'
Y = 170388.454
X = 425167.391
DELTA = 28°26'06"
D = 2°48'38"
T = 516.51'
L = 1011.74'
R = 2038.62'
PC STA = 1299+46.84'WB'
PT STA = 1309+58.58'WB'

MOUNT HOREB TELEPHONE COMPANY
ALLIANT ENERGY
PACKERLAND BROADBAND
END CABLE BARRIER
STA. 1313+00'WB'
15' RT.
PIKES PEAK RD
PC: 1314+52.21'WB'
PT: 1309+58.58'WB'
MATCHLINE STA. 1301+00.00'EB'
MATCHLINE STA. 1315+75.00'EB'
1302'WB'
1304'WB'
1306'WB'
1308'WB'
1310'WB'
1312'WB'
1314'WB'
N47° 42' 51"E
1302'EB'
1304'EB'
1306'EB'
1308'EB'
1310'EB'
1312'EB'
N47° 42' 51"E
USH 18/151
USH 18/151
INL
SIGN
SIGN
SIGN
SLOPE INTERCEPT
(TYP.)
STA. 1313+15'WB'
EXISTING INLET
MEDIAN 1 GRATE
TO REMAIN
BEGIN CABLE BARRIER
STA. 1315+00'EB'
15' LT.
PT: 1309+99.64'EB'
PC: 1314+93.28'EB'
W BRIGHAM RD

PI STA = 1304+92.27'EB'
Y = 170342.941
X = 425191.660
DELTA = 28°26'06"
D = 2°44'36"
T = 529.18'
L = 1036.55'
R = 2088.62'
PC STA = 1299+63.09'EB'
PT STA = 1309+99.64'EB'

STA. 1293+50'WB' TO STA. 1313+00'WB'
CABLE BARRIER TYPE I AND CABLE
BARRIER END TERMINAL TYPE I
NET LENGTH = 1950 LF

PI STA = 1322+66.47'WB'
Y = 171615.970
X = 426517.087
DELTA = 41°38'11"
D = 2°40'32"
T = 814.26'
L = 1556.22'
R = 2141.52'
PC STA = 1314+52.21'WB'
PT STA = 1330+08.43'WB'

PACKERLAND BROADBAND
ALLIANT ENERGY
MG&E
MOUNT HOREB TELEPHONE COMPANY
BEGIN CABLE BARRIER
STA. 1323+50'WB'
15' RT.
SLOPE INTERCEPT
(TYP.)
SIGN
USH 18/151
USH 18/151
1316'WB'
1318'WB'
1320'WB'
1322'WB'
1324'WB'
1326'WB'
1328'WB'
1330'WB'
1316'EB'
1318'EB'
1320'EB'
1322'EB'
1324'EB'
1326'EB'
1328'EB'
1330'EB'
INL
SIGN
INL
END CABLE BARRIER
STA. 1323+00'EB'
15' LT.
STA. 1323+49'WB'
EXISTING INLET
MEDIAN 1 GRATE
TO REMAIN
PT: 1330+08.43'WB'
MATCHLINE STA. 1315+75.00'EB'
MATCHLINE STA. 1330+50.00'EB'
PT: 1330+13.16'EB'
MH

STA. 1317+95'EB'
RECONSTRUCT
EXISTING INLET
MEDIAN 2 GRATE

STA. 1315+00'EB' TO STA. 1323+00'EB'
CABLE BARRIER TYPE I AND CABLE
BARRIER END TERMINAL TYPE I
NET LENGTH = 800 LF

PI STA = 1322+88.53'EB'
Y = 171566.188
X = 426536.664
DELTA = 41°38'11"
D = 2°44'22"
T = 795.25'
L = 1519.89'
R = 2091.52'
PC STA = 1314+93.28'EB'
PT STA = 1330+13.16'EB'

PROJECT NO: 1204-05-76	HWY: USH 18	COUNTY: IOWA & DANE	PLAN DETAILS - CABLE BARRIER LAYOUT - IOWA COUNTY	SHEET 12	E

FILE NAME : P:\2018 PROJECTS\5018041 - WISDOT SWR US 18_151\CIVIL3D\SHEETSPLAN\1204-05-76\021201-PD TO 021213-PD (IOWA COUNTY).DWG
LAYOUT NAME - 021207-pd
PLOT DATE : 12/9/2019 4:04 PM
PLOT BY : BRETT PETERSON
PLOT NAME :
PLOT SCALE : 1 IN:100 FT

2

ALL UTILITIES ARE APPROXIMATE. ACTUAL LOCATIONS MUST BE FIELD VERIFIED. ADJUST CABLE BARRIER POST SPACING AS NEEDED TO ACCOMMODATE EXISTING UTILITY, STORM SEWER, AND DRAINAGE PIPE CROSSINGS. MINIMUM POST SPACING IS 7'. MAXIMUM POST SPACING IS 15'.

MG&E

ENERGY

PACKERLAND BROADBAND

MOUNT HOREB TELEPHONE COMPANY

END CABLE BARRIER
STA. 1339+00'WB'
15' RT.

N

MATCHLINE STA.1330+50.00'EB'

1332'WB' 1334'WB' 1336'WB' N89° 21' 02"E 1338'WB' USH 18/151 1340'WB' 1342'WB' 1344'WB'

1332'EB' 1334'EB' 1336'EB' N89° 21' 02"E 1338'EB' 1340'EB' 1342'EB' 1344'EB'

USH 18/151

SIGN
W

STA. 1323+50'WB' TO STA. 1339+00'WB'
CABLE BARRIER TYPE I AND CABLE
BARRIER END TERMINAL TYPE I
NET LENGTH = 1550 LF

SLOPE INTERCEPT
(TYP.)

STA. 1338+64'WB'
RECONSTRUCT
EXISTING INLET
MEDIAN 1 GRATE

MH

2

PROJECT NO: 1204-05-76	HWY: USH 18	COUNTY: IOWA & DANE	PLAN DETAILS - CABLE BARRIER LAYOUT - IOWA COUNTY	SHEET 13	E

FILE NAME : P:\2018 PROJECTS\5018041 - WISDOT SWR US 18_151\CIVIL3D\SHEETSPLAN\1204-05-76\021201-PD TO 021213-PD (IOWA COUNTY).DWG
LAYOUT NAME - 021208-pd

PLOT DATE : 12/9/2019 4:05 PM PLOT BY : BRETT PETERSON PLOT NAME : PLOT SCALE : 1 IN:100 FT

ALL UTILITIES ARE APPROXIMATE. ACTUAL LOCATIONS MUST BE FIELD VERIFIED. ADJUST CABLE BARRIER POST SPACING AS NEEDED TO ACCOMMODATE EXISTING UTILITY, STORM SEWER, AND DRAINAGE PIPE CROSSINGS. MINIMUM POST SPACING IS 7'. MAXIMUM POST SPACING IS 15'.

PI STA = 1503+31.45'WB'
Y = 172127.167
X = 444633.604
DELTA = 9°50'16"
D = 0°19'56"
T = 1484.61'
L = 2961.92'
R = 17250.36'
PC STA = 1488+46.84'WB'
PT STA = 1518+08.76'WB'

BEGIN CABLE BARRIER
STA. 1499+50'WB'
15' RT.

PACKERLAND BROADBAND

1498'WB' 1500'WB' 1502'WB' 1504'WB' USH 18/151 1506'WB' 1508'WB' 1510'WB'

1498'EB' 1500'EB' 1502'EB' 1504'EB' 1506'EB' 1508'EB' 1510'EB'

USH 18/151

MATCHLINE STA. 1511+75.00'EB'

SLOPE INTERCEPT
(TYP.)

PI STA = 1503+35.96'EB'
Y = 172076.984
X = 444633.964
DELTA = 9°50'16"
D = 0°19'59"
T = 1480.31'
L = 2953.34'
R = 17200.36'
PC STA = 1488+55.65'EB'
PT STA = 1518+08.99'EB'

STA. 1499+50'WB' TO STA. 1518+00'WB'
CABLE BARRIER TYPE I AND CABLE
BARRIER END TERMINAL TYPE I
NET LENGTH = 1850 LF

END CABLE BARRIER
STA. 1518+00'WB'
15' RT.

CTH K

PT: 1518+08.76'WB'

PACKERLAND BROADBAND

STA. 1525+16'EB'
EXISTING 18-INCH
CULVERT AND
ENDWALL TO
REMAIN.

STA. 1525+73'WB'
EXISTING 18-INCH
CULVERT AND
ENDWALL TO
REMAIN

STA. 1524+70'EB'
RECONSTRUCT
EXISTING INLET
MEDIAN 1 GRATE

MATCHLINE STA.1511+75.00'EB'

1512'WB' 1514'WB' 1516'WB' 1518'WB' 1520'WB' USH 18/151 1522'WB' 1524'WB' 1526'WB'

1512'EB' 1514'EB' 1516'EB' 1518'EB' 1520'EB' 1522'EB' 1524'EB' 1526'EB'

USH 18/151

MATCHLINE STA. 1526+50.00'EB'

SLOPE INTERCEPT
(TYP.)

STA. 1517+29'WB'
EXISTING INLET
MEDIAN 1 GRATE
TO REMAIN

PT: 1518+08.99'EB'

CTH K

BEGIN CABLE BARRIER
STA. 1519+50'EB'
15' LT.

STA. 1519+50'EB' TO STA. 1525+00'WB'
CABLE BARRIER TYPE I AND CABLE
BARRIER END TERMINAL TYPE I
NET LENGTH = 550 LF

END CABLE BARRIER
STA. 1525+00'EB'
15' LT.

BEGIN CABLE BARRIER
STA. 1526+00'WB'
15' RT.

PROJECT NO: 1204-05-76	HWY: USH 18	COUNTY: IOWA & DANE	PLAN DETAILS - CABLE BARRIER LAYOUT - IOWA COUNTY	SHEET 14	E

FILE NAME : P:\2018 PROJECTS\5018041 - WISDOT SWR US 18_151\CIVIL3D\SHEETSPLAN\1204-05-76\021201-PD TO 021213-PD (IOWA COUNTY).DWG
LAYOUT NAME - 021209-pd
PLOT DATE : 12/9/2019 4:07 PM PLOT BY : BRETT PETERSON PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

ALL UTILITIES ARE APPROXIMATE. ACTUAL LOCATIONS MUST BE FIELD VERIFIED.
ADJUST CABLE BARRIER POST SPACING AS NEEDED TO ACCOMMODATE EXISTING UTILITY, STORM SEWER, AND DRAINAGE PIPE CROSSINGS. MINIMUM POST SPACING IS 7'.
MAXIMUM POST SPACING IS 15'.

PACKERLAND BROADBAND

STA. 1537+44'WB'
RECONSTRUCT
EXISTING INLET
MEDIAN 1 GRATE

N

MATCHLINE STA.1526+50.00'EB'

1528'WB' 1530'WB' 1532'WB' 1534'WB' USH 18/151 1536'WB' S85° 29' 32"E 1538'WB' 1540'WB'

1528'EB' 1530'EB' 1532'EB' 1534'EB' 1536'EB' S85° 29' 32"E 1538'EB' 1540'EB'

USH 18/151

MATCHLINE STA. 1541+25.00'EB'

SLOPE INTERCEPT
(TYP.)

STA. 1526+00'WB' TO STA. 1558+75'WB'
CABLE BARRIER TYPE I AND CABLE
BARRIER END TERMINAL TYPE I
NET LENGTH = 3275 LF

N

PACKERLAND BROADBAND

STA. 1547+27'WB'
RECONSTRUCT
EXISTING INLET
MEDIAN 1 GRATE

MATCHLINE STA.1541+25.00'EB'

1542'WB' 1544'WB' 1546'WB' 1548'WB' USH 18/151 1550'WB' 1552'WB' 1554'WB'

1542'EB' 1544'EB' 1546'EB' 1548'EB' 1550'EB' 1552'EB' 1554'EB'

USH 18/151

MATCHLINE STA. 1556+00.00'EB'

SLOPE INTERCEPT
(TYP.)

PROJECT NO: 1204-05-76	HWY: USH 18	COUNTY: IOWA & DANE	PLAN DETAILS - CABLE BARRIER LAYOUT - IOWA COUNTY	SHEET 15	E

FILE NAME : P:\2018 PROJECTS\5018041 - WISDOT SWR US 18_151\CIVIL3D\SHEETSPLAN\1204-05-76\021201-PD TO 021213-PD (IOWA COUNTY).DWG
LAYOUT NAME - 021210-pd
PLOT DATE : 12/9/2019 4:09 PM PLOT BY : BRETT PETERSON PLOT NAME : PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 44

2

ALL UTILITIES ARE APPROXIMATE. ACTUAL LOCATIONS MUST BE FIELD VERIFIED.
ADJUST CABLE BARRIER POST SPACING AS NEEDED TO ACCOMMODATE EXISTING UTILITY, STORM SEWER, AND DRAINAGE PIPE CROSSINGS. MINIMUM POST SPACING IS 7'.
MAXIMUM POST SPACING IS 15'.

MATCHLINE STA. 1556+00.00'EB'

MATCHLINE STA. 1570+75.00'EB'

END CABLE BARRIER
STA. 1563+00'WB'
15' RT.

BEGIN CABLE BARRIER
STA. 1559+50'WB'
15' RT.

PC: 1560+72.64'WB'

MOUNDS VIEW RD

STA. 1564+88'EB'
RECONSTRUCT
EXISTING INLET
MEDIAN 1 GRATE

SLOPE INTERCEPT
(TYP.)

USH 18/151

'WB' 1558'WB' 1560'WB' 1562'WB' 1564'WB' 1566'WB' 1568'WB' 1570'WB'

5'EB' 1558'EB' 1560'EB' 1562'EB' 1564'EB' 1566'EB' 1568'EB' 1570'EB'

USH 18/151

ALLIANT ENERGY

END CABLE BARRIER
STA. 1558+75'WB'
15' RT.

STA. 1559+41'WB'
EXISTING INLET
MEDIAN 1 GRATE
TO REMAIN

PC: 1560+72.87'EB'

STA. 1559+50'WB' TO STA. 1563+00'WB'
CABLE BARRIER TYPE I AND CABLE
BARRIER END TERMINAL TYPE I
NET LENGTH = 350 LF

MOUNDS VIEW RD

BEGIN CABLE BARRIER
STA. 1564+50'EB'
15' LT.

N

PI STA = 1574+32.97'WB'
Y = 171568.456
X = 451720.438
DELTA = 9°05'56"
D = 0°20'07"
T = 1360.33'
L = 2714.95'
R = 17096.03'
PC STA = 1560+72.64'WB'
PT STA = 1587+87.59'WB'

PACKERLAND BROADBAND

SLOPE INTERCEPT
(TYP.)

BEGIN CABLE BARRIER
STA. 1581+50'WB'
15' RT.

MATCHLINE STA. 1570+75.00'EB'

MATCHLINE STA. 1585+50.00'EB'

'WB' 1572'WB' 1574'WB' 1576'WB' 1578'WB' 1580'WB' 1582'WB' 1584'WB'

'EB' 1572'EB' 1574'EB' 1576'EB' 1578'EB' 1580'EB' 1582'EB' 1584'EB'

USH 18/151

USH 18/151

STA. 1573+29'EB'
RECONSTRUCT
EXISTING INLET
MEDIAN 1 GRATE

STA. 1564+50'EB' TO STA. 1581+00'EB'
CABLE BARRIER TYPE I AND CABLE
BARRIER END TERMINAL TYPE I
NET LENGTH = 1650 LF

END CABLE BARRIER
STA. 1581+00'EB'
15' LT.

STA. 1581+44'WB'
EXISTING INLET
MEDIAN 1 GRATE
TO REMAIN

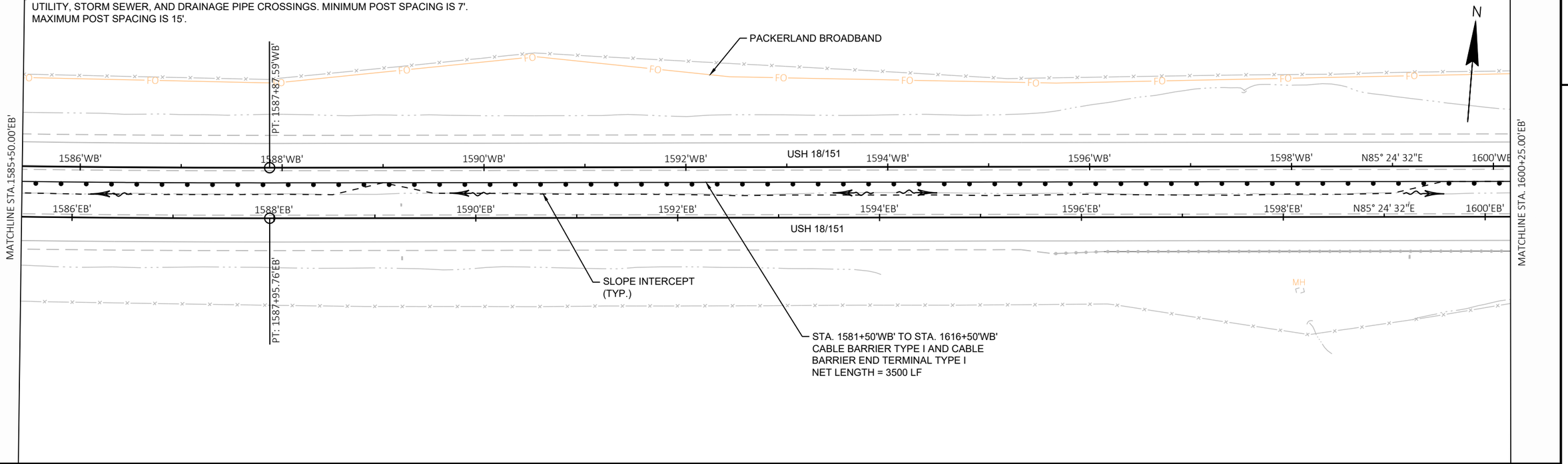
PI STA = 1574+37.18'EB'
Y = 171518.298
X = 451720.474
DELTA = 9°05'56"
D = 0°20'03"
T = 1364.31'
L = 2722.89'
R = 17146.03'
PC STA = 1560+72.87'EB'
PT STA = 1587+95.76'EB'

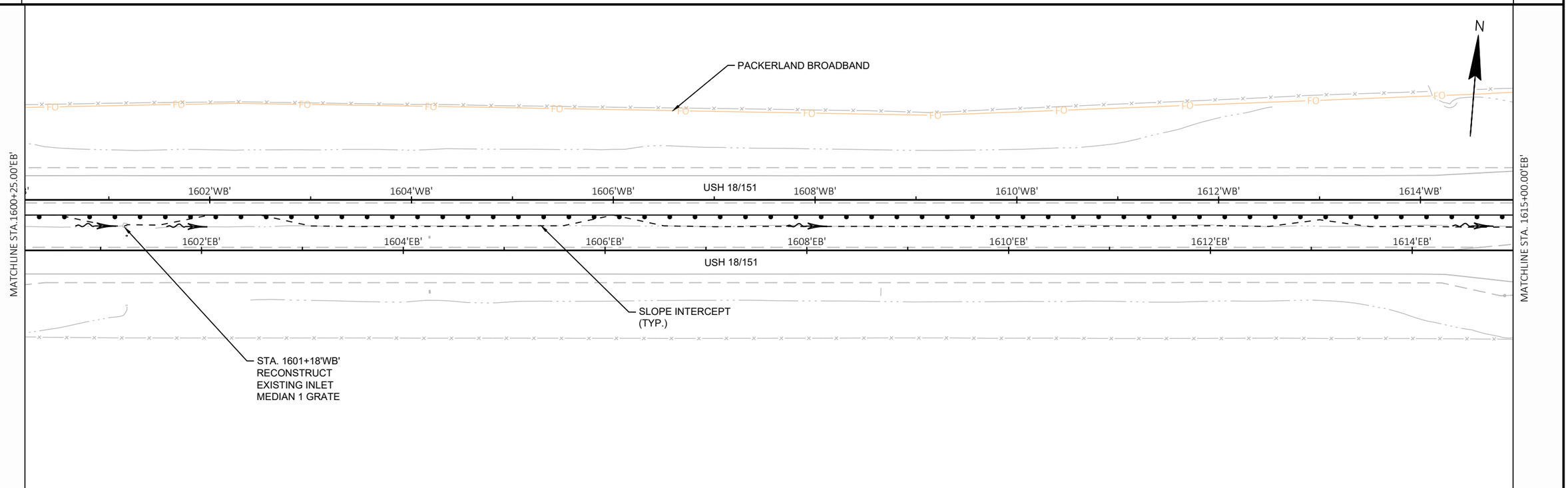
N

2

PROJECT NO: 1204-05-76	HWY: USH 18	COUNTY: IOWA & DANE	PLAN DETAILS - CABLE BARRIER LAYOUT - IOWA COUNTY	SHEET 16	E

ALL UTILITIES ARE APPROXIMATE. ACTUAL LOCATIONS MUST BE FIELD VERIFIED.
ADJUST CABLE BARRIER POST SPACING AS NEEDED TO ACCOMMODATE EXISTING UTILITY, STORM SEWER, AND DRAINAGE PIPE CROSSINGS. MINIMUM POST SPACING IS 7'.
MAXIMUM POST SPACING IS 15'.





PROJECT NO: 1204-05-76	HWY: USH 18	COUNTY: IOWA & DANE	PLAN DETAILS - CABLE BARRIER LAYOUT - IOWA COUNTY	SHEET 17	E

FILE NAME : P:\2018 PROJECTS\5018041 - WISDOT SWR US 18_151\CIVIL3D\SHEETSPLAN\1204-05-76\021201-PD TO 021213-PD (IOWA COUNTY).DWG
LAYOUT NAME - 021212-pd
PLOT DATE : 12/9/2019 4:14 PM PLOT BY : BRETT PETERSON PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

ALL UTILITIES ARE APPROXIMATE. ACTUAL LOCATIONS MUST BE FIELD VERIFIED.
ADJUST CABLE BARRIER POST SPACING AS NEEDED TO ACCOMMODATE EXISTING UTILITY, STORM SEWER, AND DRAINAGE PIPE CROSSINGS. MINIMUM POST SPACING IS 7'.
MAXIMUM POST SPACING IS 15'.

MATCHLINE STA.1615+00.00'EB'

E BRIGHAM RD

PACKERLAND BROADBAND

END CABLE BARRIER
STA. 1616+50'WB'
15' RT.

USH 18/151

1616'WB' 1618'WB' 1620'WB' 1622'WB' 1624'WB' 1626'WB' 1628'WB' 1630

1616'EB' 1618'EB' 1620'EB' 1622'EB' 1624'EB' 1626'EB' 1628'EB' 1630'E

USH 18/151

SLOPE INTERCEPT
(TYP.)

STA. 1616+21'WB'
EXISTING INLET
MEDIAN 1 GRATE
TO REMAIN

E BRIGHAM RD

ALLIANT ENERGY

MOUNT HOREB TELEPHONE COMPANY

PC: 1623+25.08'WB'

PC: 1623+33.25'EB'

PI STA = 1630+60.30'WB'
Y = 172019.353
X = 457335.411
DELTA = 3°39'23"
D = 0°14'55"
T = 735.22'
L = 1469.94'
R = 23034.44'
PC STA = 1623+25.08'WB'
PT STA = 1637+95.02'WB'

N

PI STA = 1630+66.87'EB'
Y = 171969.386
X = 457337.823
DELTA = 3°39'23"
D = 0°14'57"
T = 733.62'
L = 1466.75'
R = 22984.44'
PC STA = 1623+33.25'EB'
PT STA = 1638+00.00'EB'

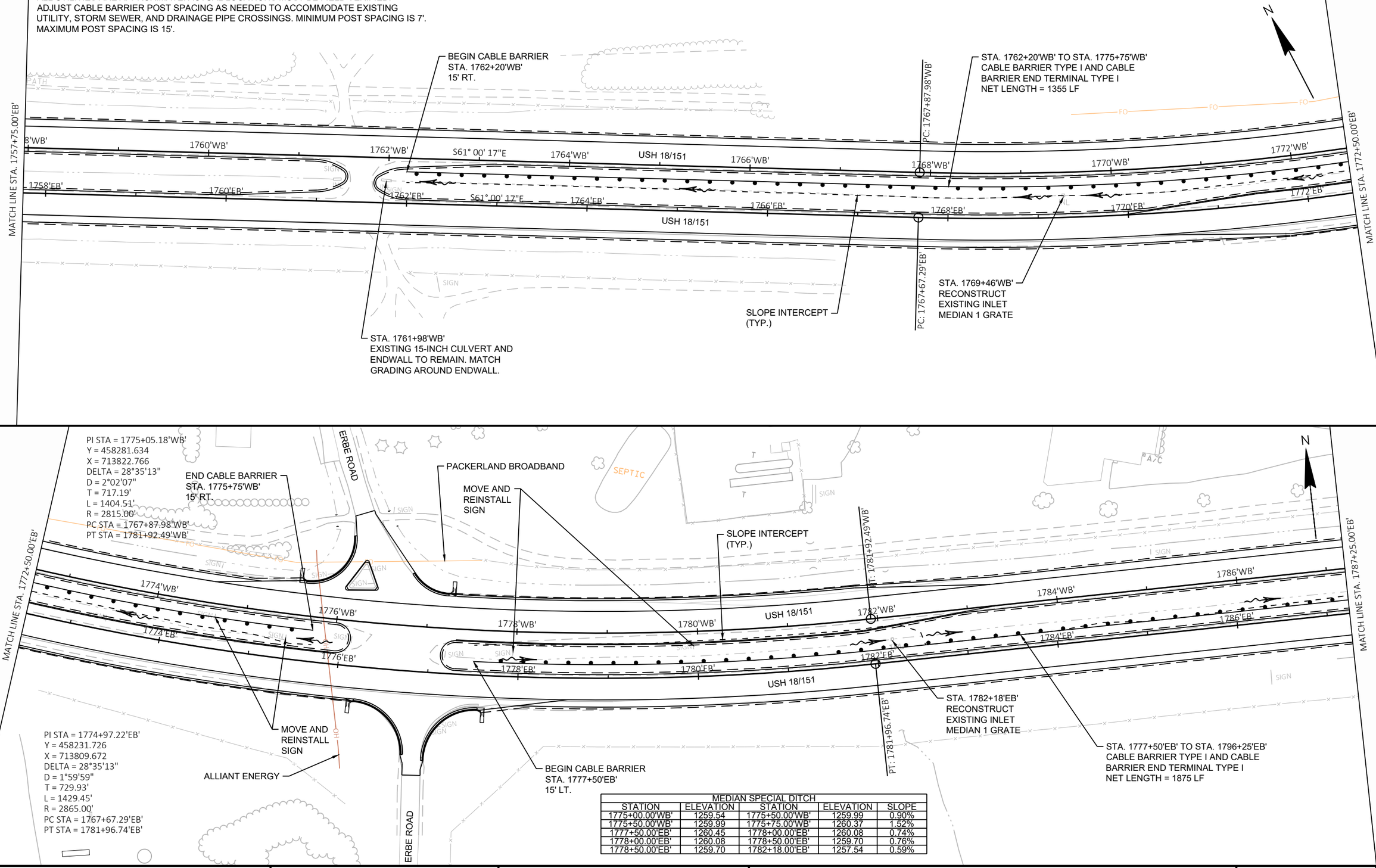
2

PROJECT NO: 1204-05-76	HWY: USH 18	COUNTY: IOWA & DANE	PLAN DETAILS - CABLE BARRIER LAYOUT - IOWA COUNTY	SHEET 18	E

FILE NAME : P:\2018 PROJECTS\5018041 - WISDOT SWR US 18_151\CIVIL3D\SHEETSPLAN\1204-05-76\021201-PD TO 021213-PD (IOWA COUNTY).DWG
LAYOUT NAME - 021213-pd

PLOT DATE : 12/9/2019 4:15 PM PLOT BY : BRETT PETERSON PLOT NAME : PLOT SCALE : 1 IN:100 FT

ALL UTILITIES ARE APPROXIMATE. ACTUAL LOCATIONS MUST BE FIELD VERIFIED.
ADJUST CABLE BARRIER POST SPACING AS NEEDED TO ACCOMMODATE EXISTING UTILITY, STORM SEWER, AND DRAINAGE PIPE CROSSINGS. MINIMUM POST SPACING IS 7'.
MAXIMUM POST SPACING IS 15'.

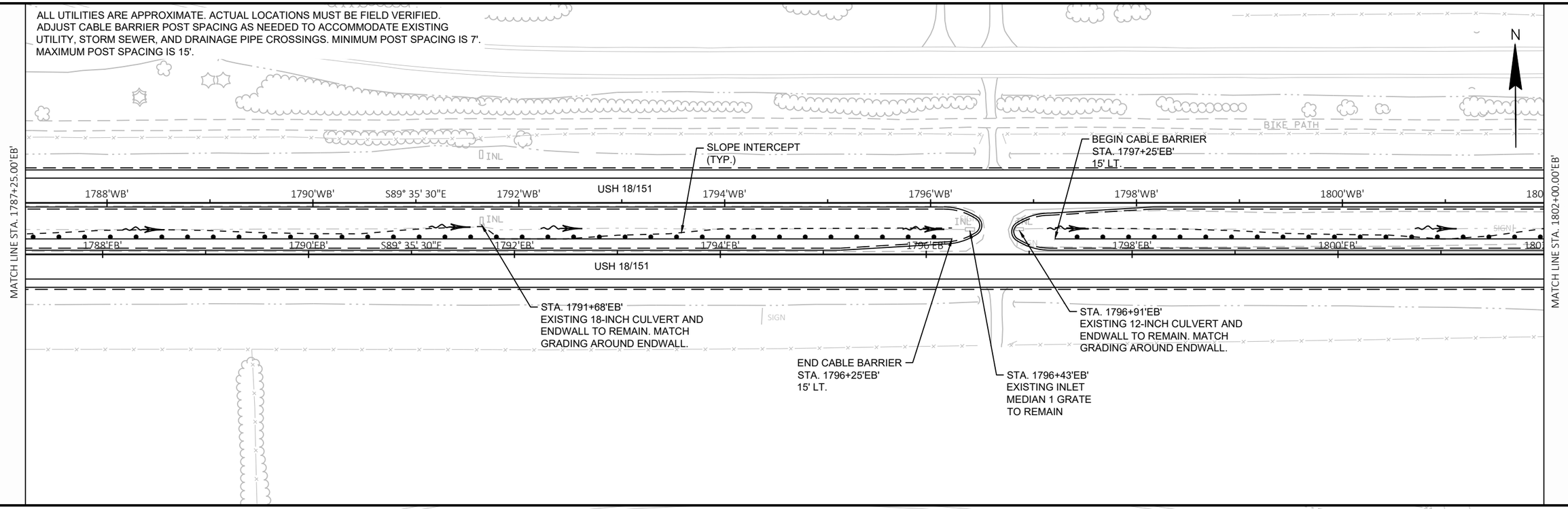


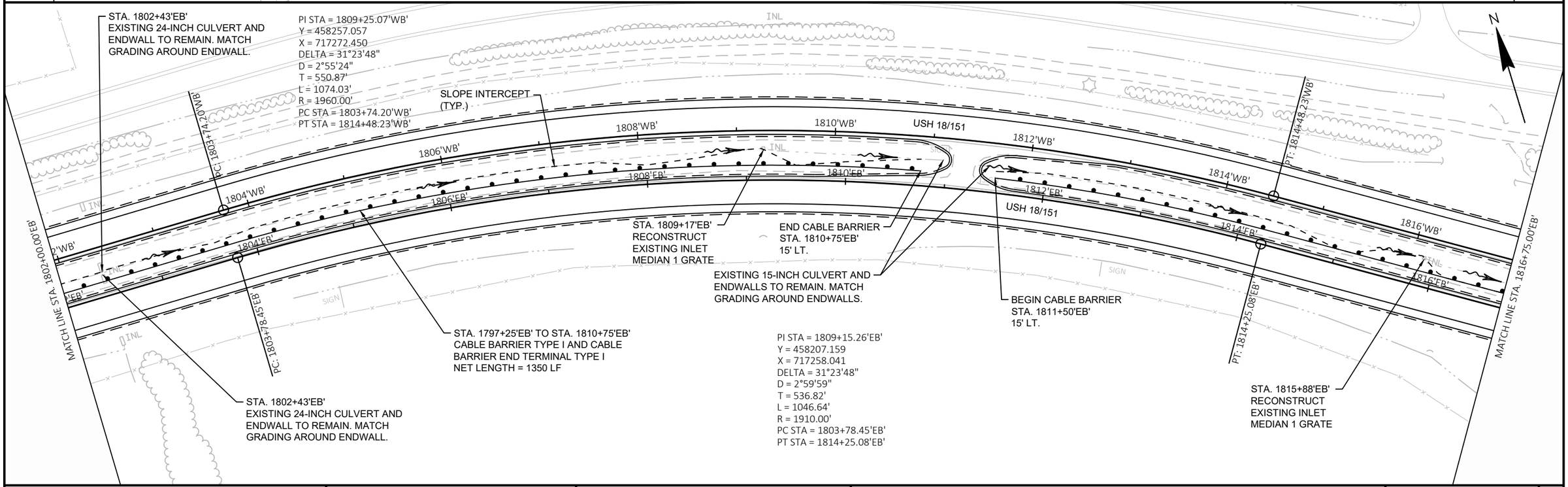
MEDIAN SPECIAL DITCH

STATION	ELEVATION	STATION	ELEVATION	SLOPE
1775+00.00'WB'	1259.54	1775+50.00'WB'	1259.99	0.90%
1775+50.00'WB'	1259.99	1775+75.00'WB'	1260.37	1.52%
1777+50.00'EB'	1260.45	1778+00.00'EB'	1260.08	0.74%
1778+00.00'EB'	1260.08	1778+50.00'EB'	1259.70	0.76%
1778+50.00'EB'	1259.70	1782+18.00'EB'	1257.54	0.59%

2

ALL UTILITIES ARE APPROXIMATE. ACTUAL LOCATIONS MUST BE FIELD VERIFIED. ADJUST CABLE BARRIER POST SPACING AS NEEDED TO ACCOMMODATE EXISTING UTILITY, STORM SEWER, AND DRAINAGE PIPE CROSSINGS. MINIMUM POST SPACING IS 7'. MAXIMUM POST SPACING IS 15'.





PROJECT NO: 1204-05-76	HWY: USH 18	COUNTY: IOWA & IOWA & DANE	PLAN DETAILS - CABLE BARRIER LAYOUT - DANE COUNTY	SHEET 20	E

FILE NAME : P:\2018 PROJECTS\5018041 - WISDOT SWR US 18_151\CIVIL3D\SHEETSPLAN\1204-05-76\021214-PD TO 021220-PD (DANE COUNTY).DWG
LAYOUT NAME - 021215-pd
PLOT DATE : 12/9/2019 4:34 PM
PLOT BY : BRETT PETERSON
PLOT NAME :
PLOT SCALE : ##########
WISDOT/CADDS SHEET 44

ALL UTILITIES ARE APPROXIMATE. ACTUAL LOCATIONS MUST BE FIELD VERIFIED.
ADJUST CABLE BARRIER POST SPACING AS NEEDED TO ACCOMMODATE EXISTING UTILITY, STORM SEWER, AND DRAINAGE PIPE CROSSINGS. MINIMUM POST SPACING IS 7'.
MAXIMUM POST SPACING IS 15'.

2

MATCH LINE STA. 1816+75.00'EB'

SLOPE INTERCEPT
(TYP.)

1818'WB' 1820'WB' 1822'WB' USH 18/151 1824'WB' S58° 11' 42"E 1826'WB' 1828'WB' 1830'WB'

1818'EB' 1820'EB' 1822'EB' 1824'EB' 1826'EB' S58° 11' 42"E 1828'EB' 1830'EB'

USH 18/151

MGS GUARDRAIL
PART OF 1204-05-73 PROJECT

STA. 1828+20'EB'
RECONSTRUCT
EXISTING INLET
MEDIAN 1 GRATE

STA. 1811+50'EB' TO STA. 1880+10'EB'
CABLE BARRIER TYPE I AND CABLE
BARRIER END TERMINAL TYPE I
NET LENGTH = 6860 LF

MATCH LINE STA. 1831+50.00'EB'

2

STA. 1836+15'EB'
RECONSTRUCT
EXISTING INLET
MEDIAN 1 GRATE

MATCH LINE STA. 1831+50.00'EB'

SLOPE INTERCEPT
(TYP.)

1832'WB' 1834'WB' 1836'WB' 1838'WB' USH 18/151 1840'WB' 1842'WB' 1844'WB' 1846'WB'

1832'EB' 1834'EB' 1836'EB' 1838'EB' 1840'EB' 1842'EB' 1844'EB' 1846'EB'

USH 18/151

MATCH LINE STA. 1846+25.00'EB'

PROJECT NO: 1204-05-76	HWY: USH 18	COUNTY: IOWA & DANE	PLAN DETAILS - CABLE BARRIER LAYOUT - DANE COUNTY	SHEET 21	E

FILE NAME : P:\2018 PROJECTS\5018041 - WISDOT SWR US 18_151\CIVIL3D\SHEETSPLAN\1204-05-76\021214-PD TO 021220-PD (DANE COUNTY).DWG
LAYOUT NAME - 021216-pd

PLOT DATE : 12/9/2019 4:36 PM PLOT BY : BRETT PETERSON PLOT NAME : PLOT SCALE : ##########

ALL UTILITIES ARE APPROXIMATE. ACTUAL LOCATIONS MUST BE FIELD VERIFIED. ADJUST CABLE BARRIER POST SPACING AS NEEDED TO ACCOMMODATE EXISTING UTILITY, STORM SEWER, AND DRAINAGE PIPE CROSSINGS. MINIMUM POST SPACING IS 7'. MAXIMUM POST SPACING IS 15'.

MATCH LINE STA. 1846+25.00'EB'

MATCH LINE STA. 1861+00.00'EB'

SLOPE INTERCEPT (TYP.)

MOVE AND REINSTALL SIGN

PC: 1855+68.41'WB'

PC: 1855+45.26'EB'

USH 18/151

STH 78

1848'WB' 1850'WB' 1852'WB' 1854'WB' 1856'WB' 1858'WB' 1860'WB'

1848'EB' 1850'EB' 1852'EB' 1854'EB' 1856'EB' 1858'EB' 1860'EB'

CABLE BARRIER SHALL IN INSTALLED 5' FROM EXISTING BEAM GUARD. A 30:1 OF FLATTER TAPER TO BE USED IF CABLE BARRIER OFFSET IS TO BE ADJUSTED TO MAINTAIN 5' MINIMUM.

STA. 1860+22'EB'
EXISTING CULVERT AND ENDWALL TO REMAIN. MATCH GRADING AROUND ENDWALL

PI STA = 1864+96.12'WB'
Y = 455306.345
X = 722030.541
DELTA = 2°07'49"
D = 0°06'53"
T = 927.71'
L = 1855.20'
R = 49900.00'
PC STA = 1855+68.41'WB'
PT STA = 1874+23.62'WB'

MATCH LINE STA. 1861+00.00'EB'

MATCH LINE STA. 1875+75.00'EB'

SLOPE INTERCEPT (TYP.)

PT: 1874+23.62'WB'

PT: 1873+98.61'EB'

USH 18/151

1862'WB' 1864'WB' 1866'WB' 1868'WB' 1870'WB' 1872'WB' 1874'WB'

1862'EB' 1864'EB' 1866'EB' 1868'EB' 1870'EB' 1872'EB' 1874'EB'

STA. 1863+65'EB'
RECONSTRUCT EXISTING INLET MEDIAN 1 GRATE

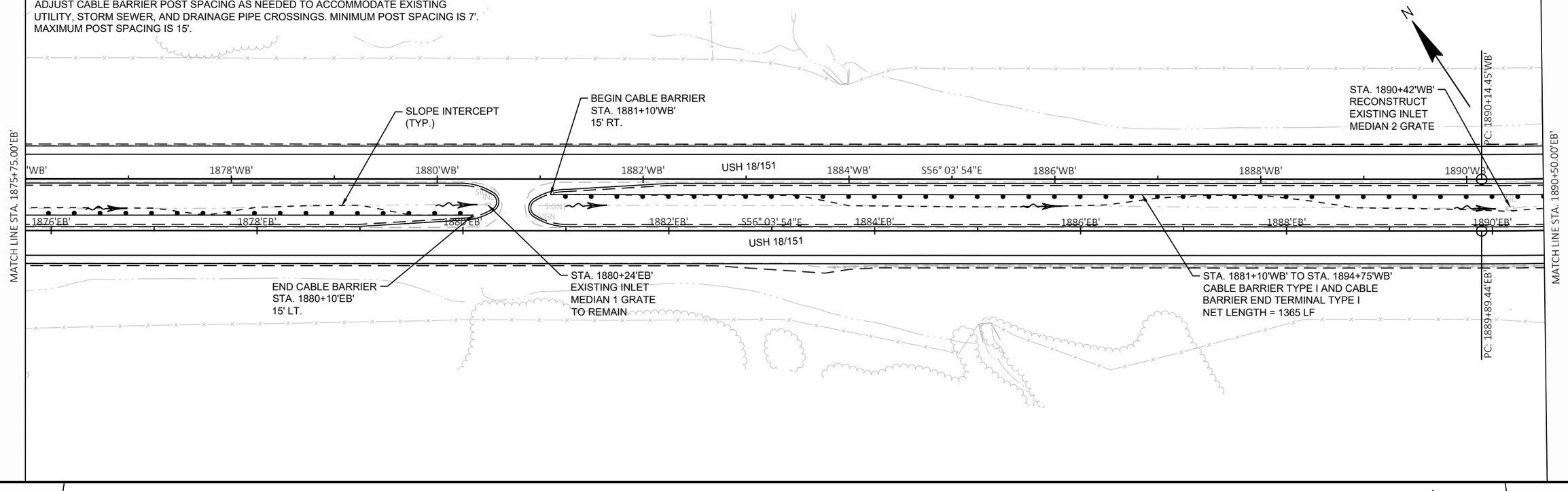
STA. 1870+20'EB'
RECONSTRUCT EXISTING INLET MEDIAN 1 GRATE

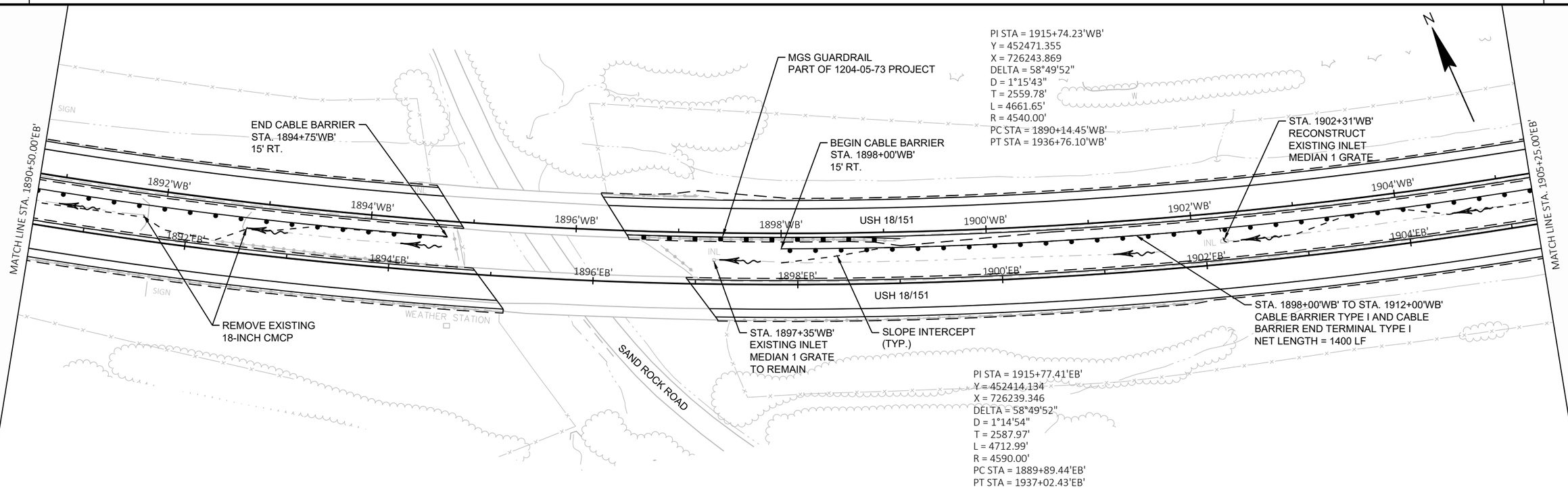
PI STA = 1864+72.04'EB'
Y = 455264.343
X = 722003.400
DELTA = 2°07'49"
D = 0°06'54"
T = 926.78'
L = 1853.35'
R = 49850.00'
PC STA = 1855+45.26'EB'
PT STA = 1873+98.61'EB'

STA. 1811+50'EB' TO STA. 1880+10'EB'
CABLE BARRIER TYPE I AND CABLE BARRIER END TERMINAL TYPE I
NET LENGTH = 6860 LF

PROJECT NO: 1204-05-76	HWY: USH 18	COUNTY: IOWA & DANE	PLAN DETAILS - CABLE BARRIER LAYOUT - DANE COUNTY	SHEET 22	E

ALL UTILITIES ARE APPROXIMATE. ACTUAL LOCATIONS MUST BE FIELD VERIFIED.
ADJUST CABLE BARRIER POST SPACING AS NEEDED TO ACCOMMODATE EXISTING UTILITY, STORM SEWER, AND DRAINAGE PIPE CROSSINGS. MINIMUM POST SPACING IS 7'.
MAXIMUM POST SPACING IS 15'.

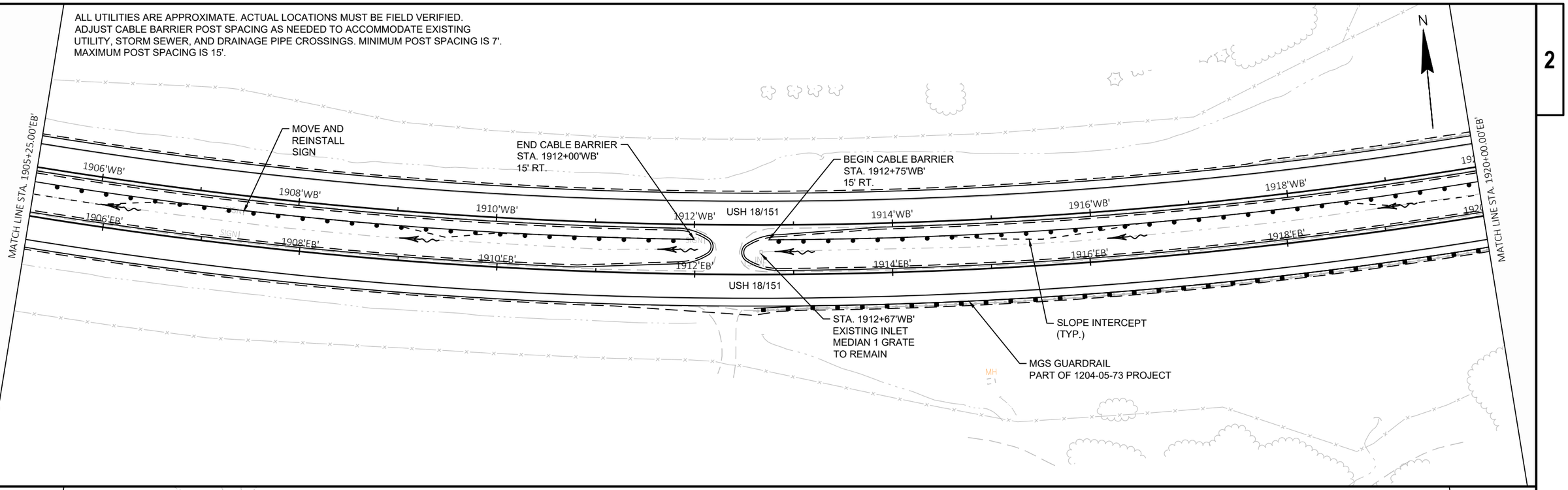


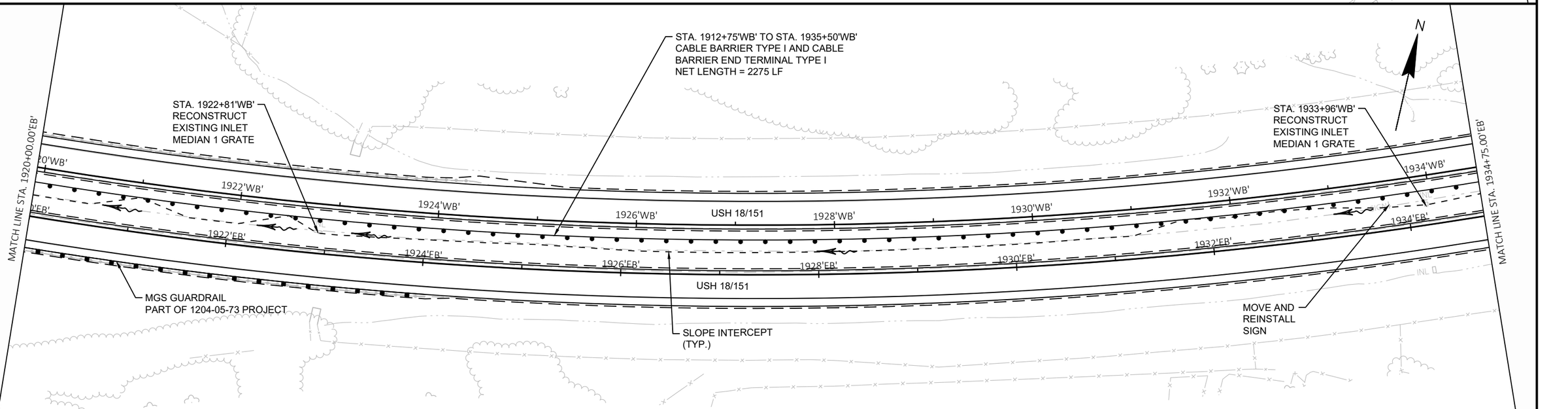


PROJECT NO: 1204-05-76	HWY: USH 18	COUNTY: IOWA & DANE	PLAN DETAILS - CABLE BARRIER LAYOUT - DANE COUNTY	SHEET 23	E

FILE NAME : P:\2018 PROJECTS\5018041 - WISDOT SWR US 18_151\CIVIL3D\SHEETSPLAN\1204-05-76\021214-PD TO 021220-PD (DANE COUNTY).DWG
LAYOUT NAME - 021218-pd
PLOT DATE : 12/9/2019 4:38 PM PLOT BY : BRETT PETERSON PLOT NAME : PLOT SCALE : ##########
WISDOT/CADDS SHEET 44

ALL UTILITIES ARE APPROXIMATE. ACTUAL LOCATIONS MUST BE FIELD VERIFIED.
ADJUST CABLE BARRIER POST SPACING AS NEEDED TO ACCOMMODATE EXISTING UTILITY, STORM SEWER, AND DRAINAGE PIPE CROSSINGS. MINIMUM POST SPACING IS 7'.
MAXIMUM POST SPACING IS 15'.



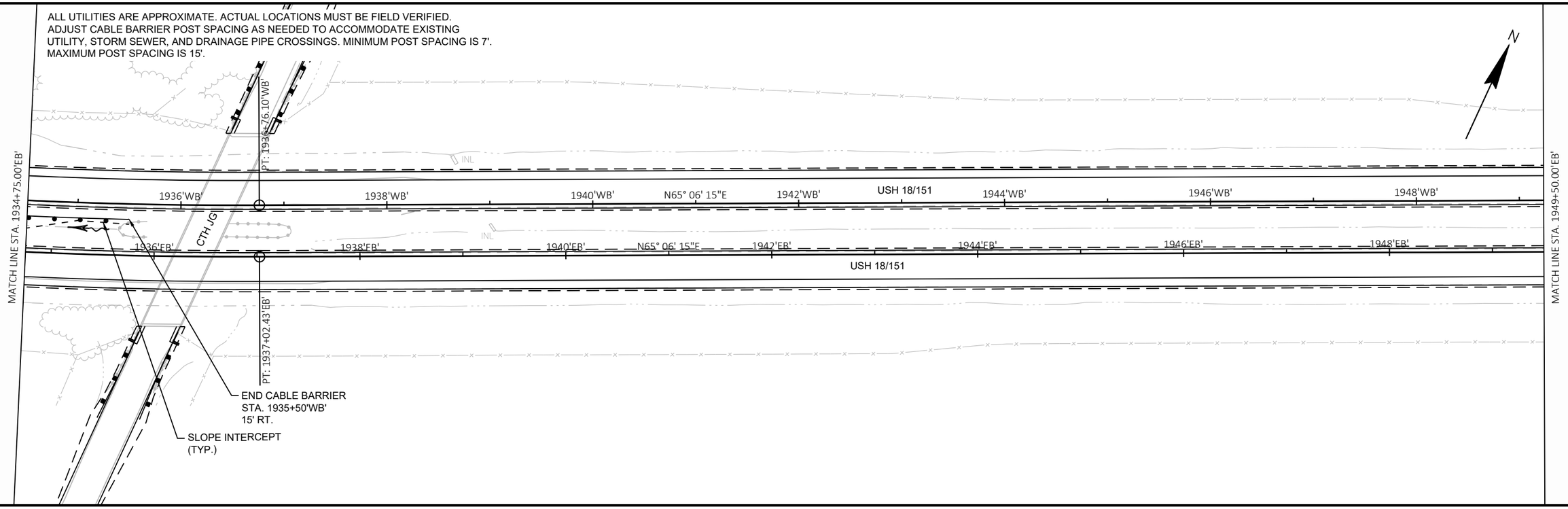


PROJECT NO: 1204-05-76	HWY: USH 18	COUNTY: IOWA & DANE	PLAN DETAILS - CABLE BARRIER LAYOUT - DANE COUNTY	SHEET 24	E

FILE NAME : P:\2018 PROJECTS\5018041 - WISDOT SWR US 18_151\CIVIL3D\SHEETSPLAN\1204-05-76\021214-PD TO 021220-PD (DANE COUNTY).DWG
LAYOUT NAME - 021219-pd
PLOT DATE : 12/9/2019 4:39 PM PLOT BY : BRETT PETERSON PLOT NAME : PLOT SCALE : ############
WISDOT/CADDS SHEET 44

2

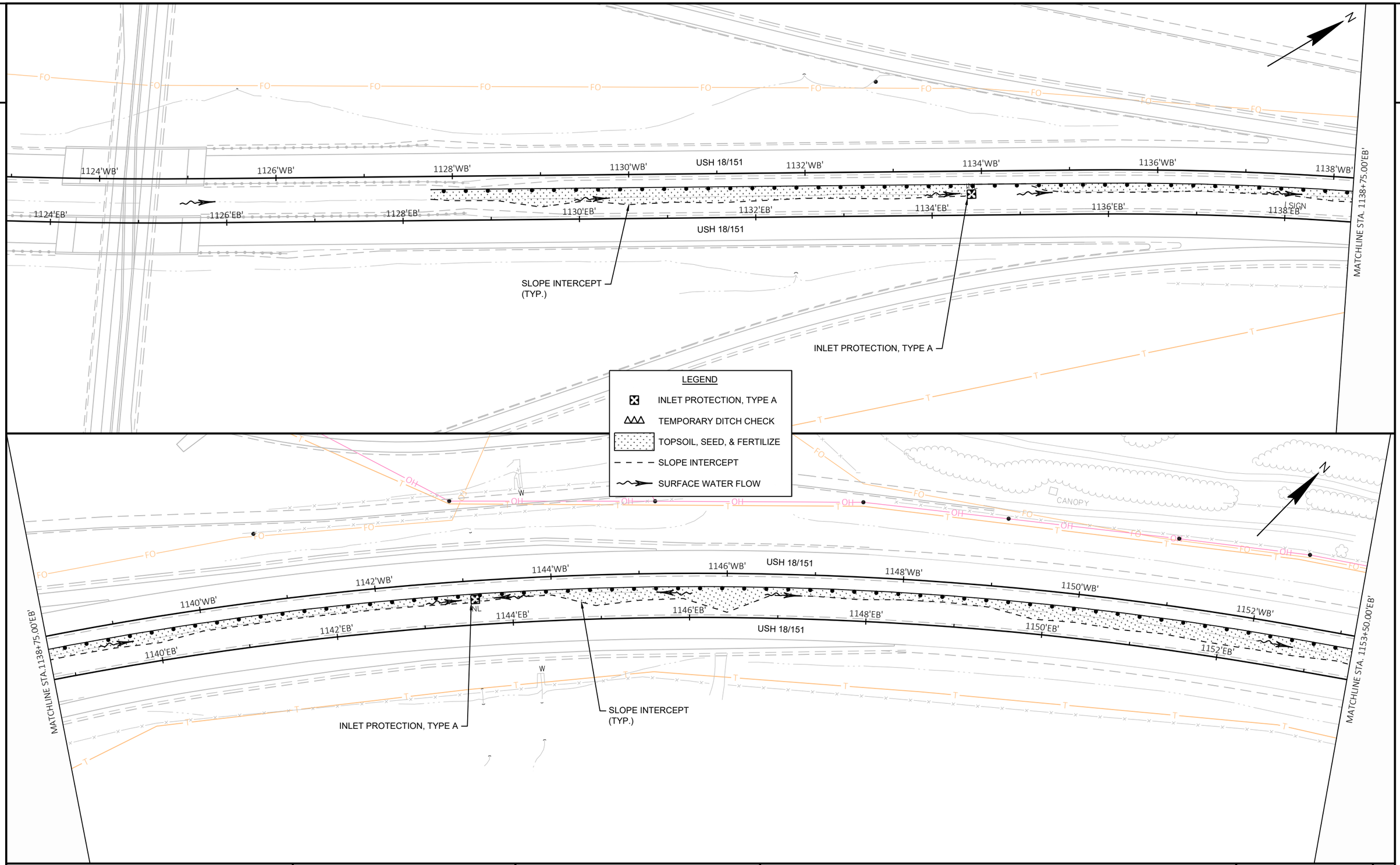
ALL UTILITIES ARE APPROXIMATE. ACTUAL LOCATIONS MUST BE FIELD VERIFIED.
ADJUST CABLE BARRIER POST SPACING AS NEEDED TO ACCOMMODATE EXISTING
UTILITY, STORM SEWER, AND DRAINAGE PIPE CROSSINGS. MINIMUM POST SPACING IS 7'.
MAXIMUM POST SPACING IS 15'.



2

PROJECT NO: 1204-05-76	HWY: USH 18	COUNTY: IOWA & DANE	PLAN DETAILS - CABLE BARRIER LAYOUT - DANE COUNTY	SHEET 25	E

FILE NAME : P:\2018 PROJECTS\5018041 - WISDOT SWR US 18_151\CIVIL3D\SHEETSPLAN\1204-05-76\021214-PD TO 021220-PD (DANE COUNTY).DWG
LAYOUT NAME - 021220-pd
PLOT DATE : 12/9/2019 4:40 PM PLOT BY : BRETT PETERSON PLOT NAME : PLOT SCALE : ##########



PROJECT NO: 1204-05-76	HWY: USH 18	COUNTY: IOWA & DANE	EROSION CONTROL - IOWA COUNTY	SHEET 26	E

FILE NAME : P:\2018 PROJECTS\5018041 - WISDOT SWR US 18_151\CIVIL3D\SHEETSPLAN\1204-05-76\022001-EC TO 022013-EC (IOWA COUNTY).DWG
LAYOUT NAME - 022001-ec
PLOT DATE : 12/9/2019 4:56 PM PLOT BY : BRETT PETERSON PLOT NAME : PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 44

2

MATCHLINE STA.1153+50.00'EB'

RUINS

BIKE PATH

BIKE PATH

SIGN

1154'WB' 1156'WB' 1158'WB' 1160'WB' USH 18/151 1162'WB' 1164'WB' 1166'WB'

1154'EB' 1156'EB' 1158'EB' 1160'EB' 1162'EB' 1164'EB' 1166'EB' 1168'EB'

USH 18/151

CULVERT PIPE CHECK

PRAIRIE RD

SLOPE INTERCEPT
(TYP.)

LEGEND

- INLET PROTECTION, TYPE A
- TEMPORARY DITCH CHECK
- TOPSOIL, SEED, & FERTILIZE
- SLOPE INTERCEPT
- SURFACE WATER FLOW

SEPTIC

MAIN ST

MATCHLINE STA. 1168+25.00'EB'

2

MATCHLINE STA.1168+25.00'EB'

SIGN

1168'WB' 1170'WB' 1172'WB' 1174'WB' USH 18/151 1176'WB' 1178'WB' 1180'WB' 1182'WB'

1170'EB' 1172'EB' 1174'EB' 1176'EB' 1178'EB' 1180'EB' 1182'EB'

USH 18/151

SIGN

PRAIRIE RD

CULVERT PIPE CHECK

SLOPE INTERCEPT
(TYP.)

SIGN

SIGN

SIGN

MAIN ST

MAIN ST

MATCHLINE STA. 1183+00.00'EB'

PROJECT NO: 1204-05-76	HWY: USH 18	COUNTY: IOWA & DANE	EROSION CONTROL - IOWA COUNTY	SHEET 27	E

FILE NAME : P:\2018 PROJECTS\5018041 - WISDOT SWR US 18_151\CIVIL3D\SHEETSPLAN\1204-05-76\022001-EC TO 022013-EC (IOWA COUNTY).DWG
LAYOUT NAME - 022002-ec

PLOT DATE : 12/9/2019 4:58 PM PLOT BY : BRETT PETERSON PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

2

2

MATCHLINE STA.1183+00.00'EB'

MATCHLINE STA. 1197+75.00'EB'

1184'WB' 1186'WB' 1188'WB' 1190'WB' 1192'WB' 1194'WB' 1196'WB'

1184'EB' 1186'EB' 1188'EB' 1190'EB' 1192'EB' 1194'EB' 1196'EB'

USH 18/151

USH 18/151

INLET PROTECTION, TYPE A

SLOPE INTERCEPT
(TYP.)

SIGN

SIGN

SIGN

N

LEGEND

- INLET PROTECTION, TYPE A
- TEMPORARY DITCH CHECK
- TOPSOIL, SEED, & FERTILIZE
- SLOPE INTERCEPT
- SURFACE WATER FLOW

MATCHLINE STA.1197+75.00'EB'

MATCHLINE STA. 1212+50.00'EB'

1198'WB' 1200'WB' 1202'WB' 1204'WB' 1206'WB' 1208'WB' 1210'WB' 1212'WB'

1198'EB' 1200'EB' 1202'EB' 1204'EB' 1206'EB' 1208'EB' 1210'EB' 1212'EB'

USH 18/151

USH 18/151

INLET PROTECTION, TYPE A

INLET PROTECTION, TYPE A

SLOPE INTERCEPT
(TYP.)

RUINS

RUINS

SIGN

N

PROJECT NO: 1204-05-76	HWY: USH 18	COUNTY: IOWA & DANE	EROSION CONTROL - IOWA COUNTY	SHEET 28	E

FILE NAME : P:\2018 PROJECTS\5018041 - WISDOT SWR US 18_151\CIVIL3D\SHEETSPLAN\1204-05-76\022001-EC TO 022013-EC (IOWA COUNTY).DWG
LAYOUT NAME - 022003-ec

PLOT DATE : 12/9/2019 5:00 PM PLOT BY : BRETT PETERSON PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

2

2

MATCHLINE STA.1212+50.00'EB'

MATCHLINE STA. 1227+25.00'EB'

1214'WB'

1216'WB'

1218'WB'

USH 18/151

1220'WB'

1222'WB'

1224'WB'

1226'WB'

1214'EB'

1216'EB'

1218'EB'

1220'EB'

1222'EB'

1224'EB'

1226'EB'

USH 18/151

INL

CTH H

FO

OH

MH

SLOPE INTERCEPT
(TYP.)

CULVERT PIPE CHECK

INLET PROTECTION, TYPE A

INLET PROTECTION, TYPE A

INLET PROTECTION, TYPE A

LEGEND

- INLET PROTECTION, TYPE A
- TEMPORARY DITCH CHECK
- TOPSOIL, SEED, & FERTILIZE
- SLOPE INTERCEPT
- SURFACE WATER FLOW

MATCHLINE STA.1227+25.00'EB'

MATCHLINE STA. 1242+00.00'EB'

1228'WB'

1230'WB'

1232'WB'

1234'WB'

USH 18/151

1236'WB'

1238'WB'

1240'WB'

1228'EB'

1230'EB'

1232'EB'

1234'EB'

1236'EB'

1238'EB'

1240'EB'

USH 18/151

INLET PROTECTION, TYPE A

SLOPE INTERCEPT
(TYP.)

PROJECT NO: 1204-05-76	HWY: USH 18	COUNTY: IOWA & DANE	EROSION CONTROL - IOWA COUNTY	SHEET 29	E

FILE NAME : P:\2018 PROJECTS\5018041 - WISDOT SWR US 18_151\CIVIL3D\SHEETSPLAN\1204-05-76\022001-EC TO 022013-EC (IOWA COUNTY).DWG
LAYOUT NAME - 022004-ec

PLOT DATE : 12/9/2019 5:03 PM PLOT BY : BRETT PETERSON PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

2

MATCHLINE STA. 1242+00.00'EB'

MATCHLINE STA. 1256+75.00'EB'

USH 18/151

1242'WB'
1244'WB'
1246'WB'
1248'WB'
1250'WB'
1252'WB'
1254'WB'
1256'WB'

1244'EB'
1246'EB'
1248'EB'
1250'EB'
1252'EB'
1254'EB'
1256'EB'

INLET PROTECTION, TYPE A

SLOPE INTERCEPT
(TYP.)

SIGN

FO

OH

HI-POINT RD

LEGEND

- INLET PROTECTION, TYPE A
- TEMPORARY DITCH CHECK
- TOPSOIL, SEED, & FERTILIZE
- SLOPE INTERCEPT
- SURFACE WATER FLOW

SLOPE INTERCEPT
(TYP.)

INLET PROTECTION, TYPE A

MATCHLINE STA. 1256+75.00'EB'

MATCHLINE STA. 1271+50.00'EB'

USH 18/151

1258'WB'
1260'WB'
1262'WB'
1264'WB'
1266'WB'
1268'WB'
1270'WB'

1258'EB'
1260'EB'
1262'EB'
1264'EB'
1266'EB'
1268'EB'
1270'EB'

INLET PROTECTION, TYPE A

SIGN

MH

HI-POINT RD

N

PROJECT NO: 1204-05-76	HWY: USH 18	COUNTY: IOWA & DANE	EROSION CONTROL - IOWA COUNTY	SHEET 30	E

FILE NAME : P:\2018 PROJECTS\5018041 - WISDOT SWR US 18_151\CIVIL3D\SHEETSPLAN\1204-05-76\022001-EC TO 022013-EC (IOWA COUNTY).DWG
LAYOUT NAME - 022005-ec

PLOT DATE : 12/9/2019 5:05 PM PLOT BY : BRETT PETERSON PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

2

MATCHLINE STA.1271+50.00'EB'

MATCHLINE STA. 1286+25.00'EB'

SLOPE INTERCEPT (TYP.)

1272'WB' 1274'WB' 1276'WB' 1278'WB' USH 18/151 1280'WB' 1282'WB' 1284'WB' 1286'WB'

1272'EB' 1274'EB' 1276'EB' 1278'EB' 1280'EB' 1282'EB' 1284'EB' 1286'EB'

USH 18/151

INL

CULVERT PIPE CHECK

CULVERT PIPE CHECK

N

LEGEND

- INLET PROTECTION, TYPE A
- TEMPORARY DITCH CHECK
- TOPSOIL, SEED, & FERTILIZE
- SLOPE INTERCEPT
- SURFACE WATER FLOW

W

CULVERT PIPE CHECK

BIKE PATH

CULVERT PIPE CHECK

MATCHLINE STA. 1286+25.00'EB'

MATCHLINE STA. 1301+00.00'EB'

1288'WB' 1290'WB' 1292'WB' USH 18/151 1294'WB' 1296'WB' 1298'WB' 1300'WB'

1288'EB' 1290'EB' 1292'EB' 1294'EB' 1296'EB' 1298'EB' 1300'EB'

USH 18/151

IN

INL

SLOPE INTERCEPT (TYP.)

CULVERT PIPE CHECK

MH

SEPTIC

SEPTIC

PROJECT NO: 1204-05-76	HWY: USH 18	COUNTY: IOWA & DANE	EROSION CONTROL - IOWA COUNTY	SHEET 31	E

FILE NAME : P:\2018 PROJECTS\5018041 - WISDOT SWR US 18_151\CIVIL3D\SHEETSPLAN\1204-05-76\022001-EC TO 022013-EC (IOWA COUNTY).DWG
LAYOUT NAME - 022006-ec

PLOT DATE : 12/9/2019 5:08 PM PLOT BY : BRETT PETERSON PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

2

2

MATCHLINE STA.1301+00.00'EB'

MATCHLINE STA. 1315+75.00'EB'

1302'WB'

1304'WB'

1306'WB'

1308'WB'

1310'WB'

1312'WB'

1314'WB'

1302'EB'

1304'EB'

1306'EB'

1308'EB'

1310'EB'

1312'EB'

1314'EB'

USH 18/151

USH 18/151

SIGN

SIGN

SIGN

SLOPE INTERCEPT
(TYP.)

INLET PROTECTION, TYPE A

INL

PIKES PEAK RD

W BRIGHAM RD

N

LEGEND

INLET PROTECTION, TYPE A

TEMPORARY DITCH CHECK

TOPSOIL, SEED, & FERTILIZE

SLOPE INTERCEPT

SURFACE WATER FLOW

INLET PROTECTION, TYPE A

SLOPE INTERCEPT
(TYP.)

SIGN

1316'WB'

1318'WB'

1320'WB'

1322'WB'

USH 18/151

1324'WB'

1326'WB'

1328'WB'

1330'WB'

1316'EB'

1318'EB'

1320'EB'

1322'EB'

USH 18/151

1324'EB'

1326'EB'

1328'EB'

1330'EB'

INL

INLET PROTECTION, TYPE A

MATCHLINE STA.1315+75.00'EB'

MATCHLINE STA. 1330+50.00'EB'

MH

N

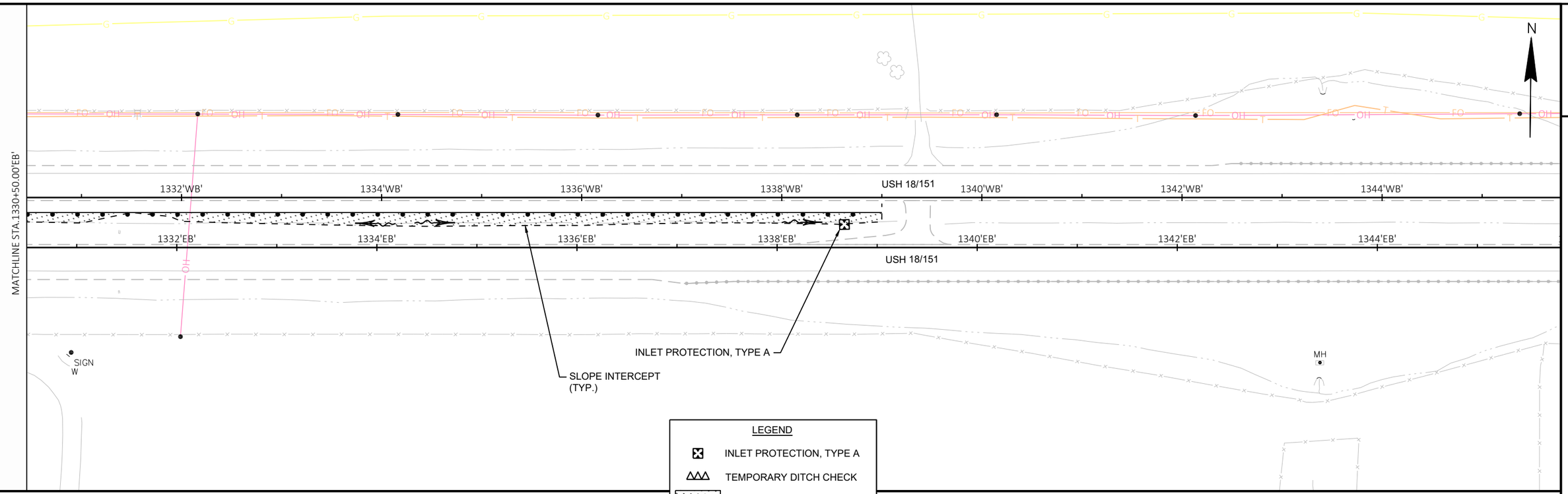
PROJECT NO: 1204-05-76	HWY: USH 18	COUNTY: IOWA & DANE	EROSION CONTROL - IOWA COUNTY	SHEET 32	E

FILE NAME : P:\2018 PROJECTS\5018041 - WISDOT SWR US 18_151\CIVIL3D\SHEETSPLAN\1204-05-76\022001-EC TO 022013-EC (IOWA COUNTY).DWG
LAYOUT NAME - 022007-ec

PLOT DATE : 12/9/2019 5:10 PM PLOT BY : BRETT PETERSON PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

2



PROJECT NO: 1204-05-76	HWY: USH 18	COUNTY: IOWA & DANE	EROSION CONTROL - IOWA COUNTY	SHEET 33	E

FILE NAME : P:\2018 PROJECTS\5018041 - WISDOT SWR US 18_151\CIVIL3D\SHEETSPLAN\1204-05-76\022001-EC TO 022013-EC (IOWA COUNTY).DWG
LAYOUT NAME - 022008-ec

PLOT DATE : 12/9/2019 5:11 PM PLOT BY : BRETT PETERSON PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

2

N

1498'WB' 1500'WB' 1502'WB' 1504'WB' USH 18/151 1506'WB' 1508'WB' 1510'WB'

1498'EB' 1500'EB' 1502'EB' 1504'EB' 1506'EB' 1508'EB' 1510'EB'

USH 18/151

SLOPE INTERCEPT
(TYP.)

MATCHLINE STA. 1511+75.00'EB'

LEGEND

- INLET PROTECTION, TYPE A
- TEMPORARY DITCH CHECK
- TOPSOIL, SEED, & FERTILIZE
- SLOPE INTERCEPT
- SURFACE WATER FLOW

CTH K

N

CULVERT PIPE CHECK

INLET PROTECTION, TYPE A

MATCHLINE STA.1511+75.00'EB'

1512'WB' 1514'WB' 1516'WB' 1518'WB' USH 18/151 1520'WB' 1522'WB' 1524'WB' 1526'WB'

1512'EB' 1514'EB' 1516'EB' 1518'EB' 1520'EB' 1522'EB' 1524'EB' 1526'EB'

USH 18/151

SLOPE INTERCEPT
(TYP.)

INLET PROTECTION, TYPE A

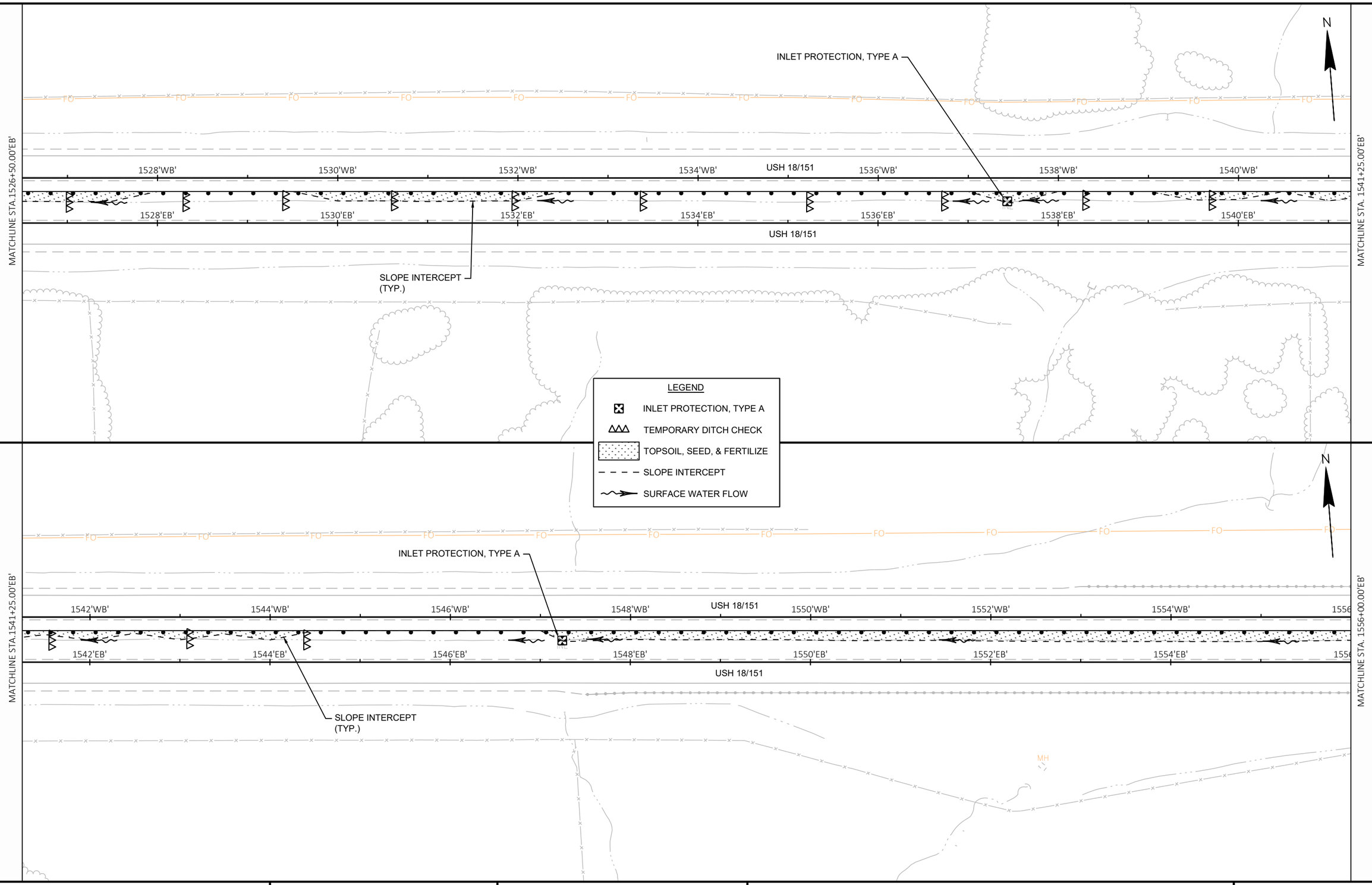
CTH K

MATCHLINE STA. 1526+50.00'EB'

PROJECT NO: 1204-05-76	HWY: USH 18	COUNTY: IOWA & DANE	EROSION CONTROL - IOWA COUNTY	SHEET 34	E

FILE NAME : P:\2018 PROJECTS\5018041 - WISDOT SWR US 18_151\CIVIL3D\SHEETSPLAN\1204-05-76\022001-EC TO 022013-EC (IOWA COUNTY).DWG
LAYOUT NAME - 022009-ec

PLOT DATE : 12/9/2019 5:14 PM PLOT BY : BRETT PETERSON PLOT NAME : PLOT SCALE : 1 IN:100 FT



PROJECT NO: 1204-05-76	HWY: USH 18	COUNTY: IOWA & DANE	EROSION CONTROL - IOWA COUNTY	SHEET 35	E

FILE NAME : P:\2018 PROJECTS\5018041 - WISDOT SWR US 18_151\CIVIL3D\SHEETSPLAN\1204-05-76\022001-EC TO 022013-EC (IOWA COUNTY).DWG
LAYOUT NAME - 022010-ec
PLOT DATE : 12/9/2019 5:16 PM
PLOT BY : BRETT PETERSON
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 44

2

2

MATCHLINE STA.1556+00.00'EB'

MATCHLINE STA. 1570+75.00'EB'

MOUNDS VIEW RD

MOUNDS VIEW RD

USH 18/151

USH 18/151

INLET PROTECTION, TYPE A

INLET PROTECTION, TYPE A

SLOPE INTERCEPT (TYP.)

'WB' 1558'WB' 1560'WB' 1562'WB' 1564'WB' 1566'WB' 1568'WB' 1570'WB'

5'EB' 1558'EB' 1560'EB' 1562'EB' 1564'EB' 1566'EB' 1568'EB' 1570'EB'

LEGEND

- INLET PROTECTION, TYPE A
- TEMPORARY DITCH CHECK
- TOPSOIL, SEED, & FERTILIZE
- SLOPE INTERCEPT
- SURFACE WATER FLOW

MATCHLINE STA.1570+75.00'EB'

MATCHLINE STA. 1585+50.00'EB'

USH 18/151

USH 18/151

SLOPE INTERCEPT (TYP.)

INLET PROTECTION, TYPE A

INLET PROTECTION, TYPE A

1572'WB' 1574'WB' 1576'WB' 1578'WB' 1580'WB' 1582'WB' 1584'WB'

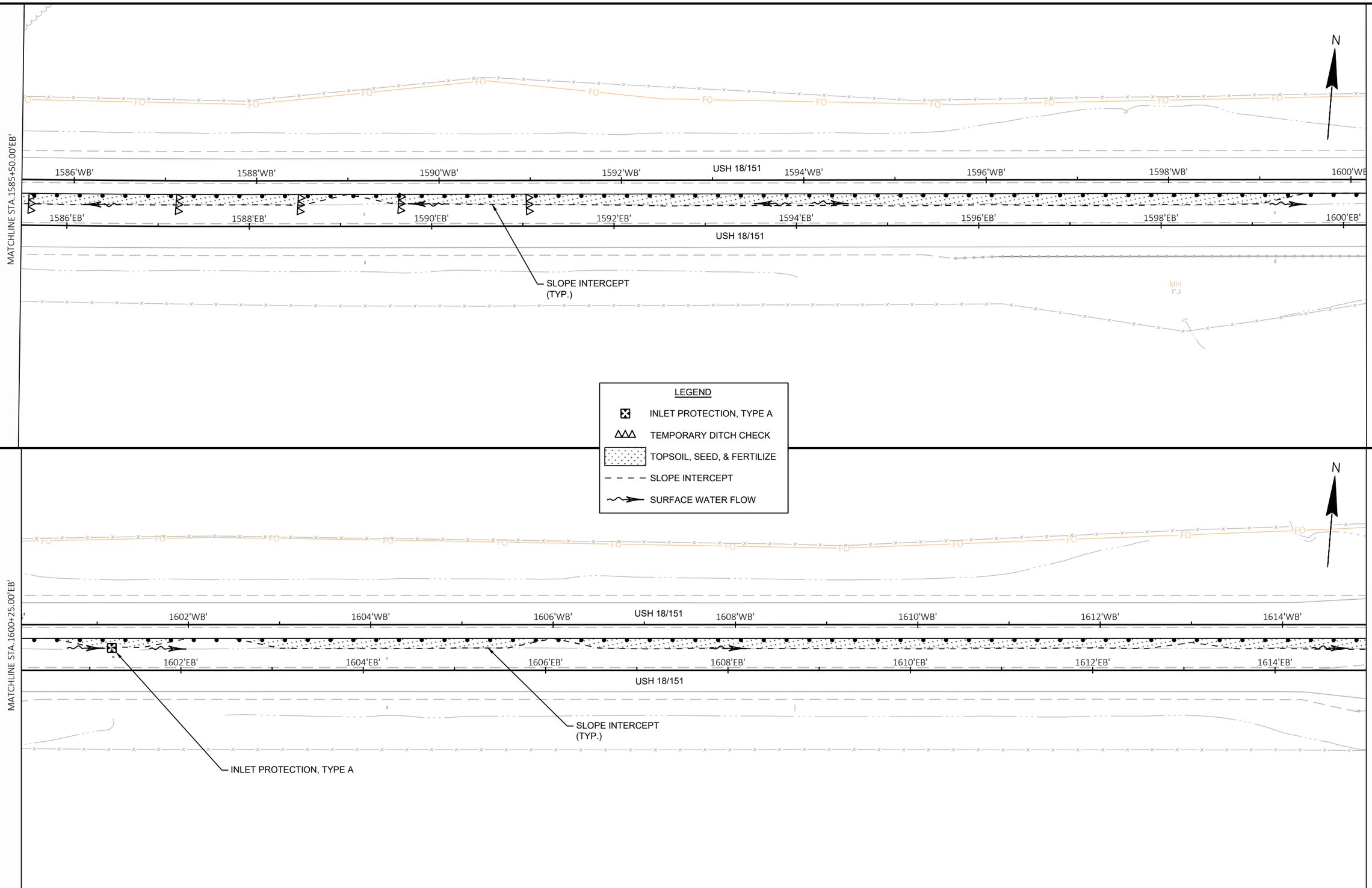
1572'EB' 1574'EB' 1576'EB' 1578'EB' 1580'EB' 1582'EB' 1584'EB'

PROJECT NO: 1204-05-76	HWY: USH 18	COUNTY: IOWA & DANE	EROSION CONTROL - IOWA COUNTY	SHEET 36	E

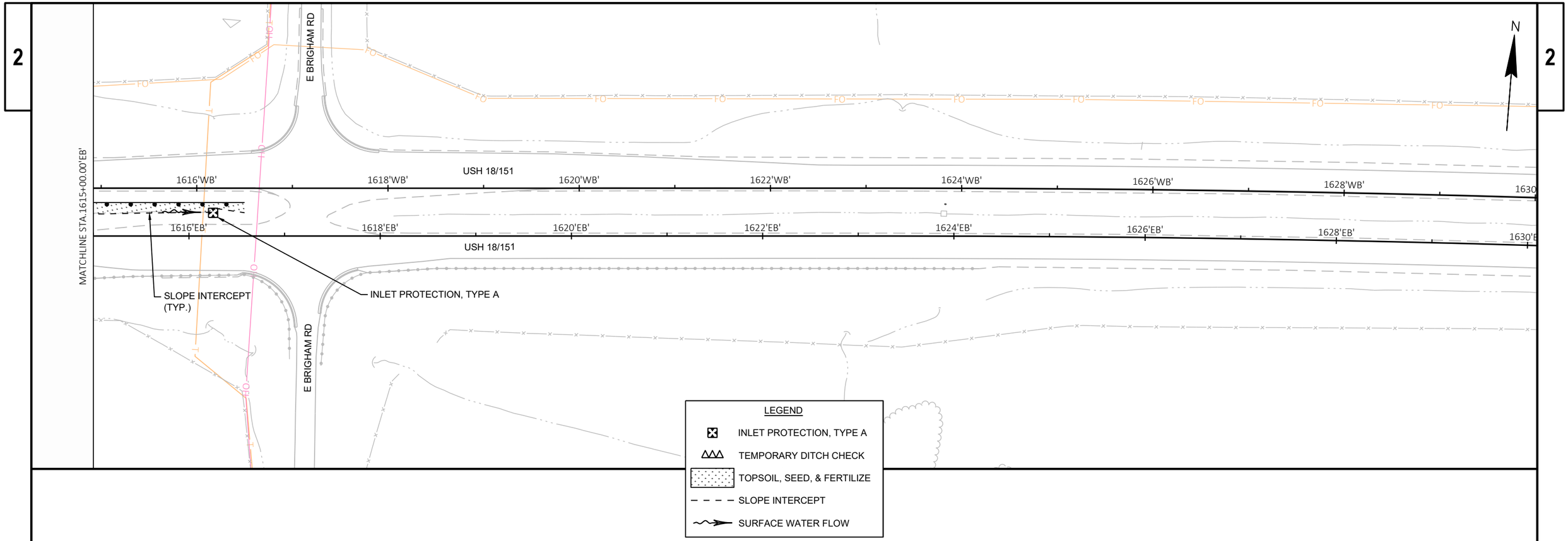
FILE NAME : P:\2018 PROJECTS\5018041 - WISDOT SWR US 18_151\CIVIL3D\SHEETSPLAN\1204-05-76\022001-EC TO 022013-EC (IOWA COUNTY).DWG
LAYOUT NAME - 022011-ec

PLOT DATE : 12/9/2019 5:19 PM PLOT BY : BRETT PETERSON PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44



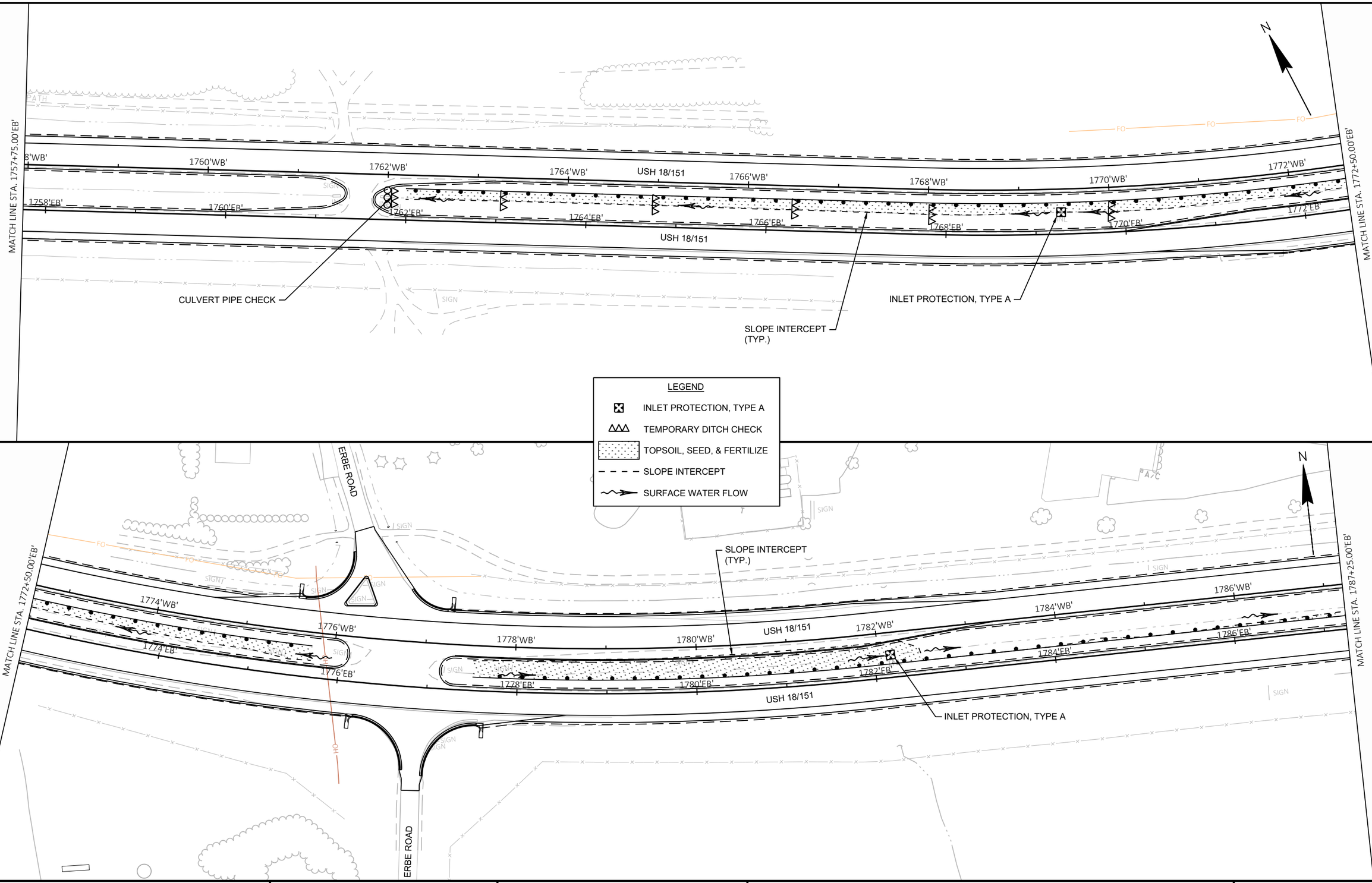
PROJECT NO: 1204-05-76	HWY: USH 18	COUNTY: IOWA & DANE	EROSION CONTROL - IOWA COUNTY	SHEET 37	E



PROJECT NO: 1204-05-76	HWY: USH 18	COUNTY: IOWA & DANE	EROSION CONTROL - IOWA COUNTY	SHEET 38	E

FILE NAME : P:\2018 PROJECTS\5018041 - WISDOT SWR US 18_151\CIVIL3D\SHEETSPLAN\1204-05-76\022001-EC TO 022013-EC (IOWA COUNTY).DWG
LAYOUT NAME - 022013-ec
PLOT DATE : 12/9/2019 5:22 PM
PLOT BY : BRETT PETERSON
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 44

2



LEGEND

- INLET PROTECTION, TYPE A
- TEMPORARY DITCH CHECK
- TOPSOIL, SEED, & FERTILIZE
- SLOPE INTERCEPT
- SURFACE WATER FLOW

PROJECT NO: 1204-05-76	HWY: USH 18	COUNTY: IOWA & IOWA & DANE	EROSION CONTROL - DANE COUNTY	SHEET 39	E

FILE NAME : P:\2018 PROJECTS\5018041 - WISDOT SWR US 18_151\CIVIL3D\SHEETSPLAN\1204-05-76\022014-EC TO 022020-EC (DANE COUNTY).DWG
LAYOUT NAME - 022014-ec

PLOT DATE : 12/9/2019 5:29 PM PLOT BY : BRETT PETERSON PLOT NAME : PLOT SCALE : ##########

ALL UTILITIES ARE APPROXIMATE. ACTUAL LOCATIONS MUST BE FIELD VERIFIED.
ADJUST CABLE BARRIER POST SPACING AS NEEDED TO ACCOMMODATE EXISTING UTILITY, STORM SEWER, AND DRAINAGE PIPE CROSSINGS. MINIMUM POST SPACING IS 7'.
MAXIMUM POST SPACING IS 15'.

2

2

N

MATCH LINE STA. 1787+25.00'EB'

MATCH LINE STA. 1802+00.00'EB'

BIKE PATH

SLOPE INTERCEPT (TYP.)

CULVERT PIPE CHECK

USH 18/151

1788'WB' 1790'WB' 1792'WB' 1794'WB' 1796'WB' 1798'WB' 1800'WB'

1788'EB' 1790'EB' 1792'EB' 1794'EB' 1796'EB' 1798'EB' 1800'EB'

USH 18/151

CULVERT PIPE CHECK

INLET PROTECTION, TYPE A

INL

SIGN

LEGEND

- INLET PROTECTION, TYPE A
- TEMPORARY DITCH CHECK
- TOPSOIL, SEED, & FERTILIZE
- SLOPE INTERCEPT
- SURFACE WATER FLOW

N

SLOPE INTERCEPT (TYP.)

1804'WB' 1806'WB' 1808'WB' 1810'WB' 1812'WB' 1814'WB' 1816'WB'

1804'EB' 1806'EB' 1808'EB' 1810'EB' 1812'EB' 1814'EB' 1816'EB'

USH 18/151

USH 18/151

INLET PROTECTION, TYPE A

CULVERT PIPE CHECK

CULVERT PIPE CHECK

INLET PROTECTION, TYPE A

MATCH LINE STA. 1802+00.00'EB'

MATCH LINE STA. 1816+75.00'EB'

INL

SIGN

PROJECT NO: 1204-05-76	HWY: USH 18	COUNTY: IOWA & IOWA & DANE	EROSION CONTROL - DANE COUNTY	SHEET 40	E

FILE NAME : P:\2018 PROJECTS\5018041 - WISDOT SWR US 18_151\CIVIL3D\SHEETSPLAN\1204-05-76\022014-EC TO 022020-EC (DANE COUNTY).DWG
LAYOUT NAME - 022015-ec

PLOT DATE : 12/9/2019 5:30 PM PLOT BY : BRETT PETERSON PLOT NAME : PLOT SCALE : ##########

2

ALL UTILITIES ARE APPROXIMATE. ACTUAL LOCATIONS MUST BE FIELD VERIFIED.
ADJUST CABLE BARRIER POST SPACING AS NEEDED TO ACCOMMODATE EXISTING UTILITY, STORM SEWER, AND DRAINAGE PIPE CROSSINGS. MINIMUM POST SPACING IS 7'.
MAXIMUM POST SPACING IS 15'.

MATCH LINE STA. 1816+75.00'EB'

SLOPE INTERCEPT (TYP.)

1818'WB' 1820'WB' 1822'WB' USH 18/151 1824'WB' 1826'WB' 1828'WB' 1830'WB'

1818'EB' 1820'EB' 1822'EB' 1824'EB' 1826'EB' 1828'EB' 1830'EB'

USH 18/151

INLET PROTECTION, TYPE A

MATCH LINE STA. 1831+50.00'EB'

LEGEND

- INLET PROTECTION, TYPE A
- TEMPORARY DITCH CHECK
- TOPSOIL, SEED, & FERTILIZE
- SLOPE INTERCEPT
- SURFACE WATER FLOW

MATCH LINE STA. 1831+50.00'EB'

SLOPE INTERCEPT (TYP.)

INLET PROTECTION, TYPE A

1832'WB' 1834'WB' 1836'WB' 1838'WB' USH 18/151 1840'WB' 1842'WB' 1844'WB' 1846'WB'

1832'EB' 1834'EB' 1836'EB' 1838'EB' 1840'EB' 1842'EB' 1844'EB' 1846'EB'

USH 18/151

MATCH LINE STA. 1846+25.00'EB'

2

PROJECT NO: 1204-05-76	HWY: USH 18	COUNTY: IOWA & DANE	EROSION CONTROL - DANE COUNTY	SHEET 41	E

FILE NAME : P:\2018 PROJECTS\5018041 - WISDOT SWR US 18_151\CIVIL3D\SHEETSPLAN\1204-05-76\022014-EC TO 022020-EC (DANE COUNTY).DWG
LAYOUT NAME - 022016-ec

PLOT DATE : 12/9/2019 5:31 PM PLOT BY : BRETT PETERSON PLOT NAME : PLOT SCALE : ##########

ALL UTILITIES ARE APPROXIMATE. ACTUAL LOCATIONS MUST BE FIELD VERIFIED.
ADJUST CABLE BARRIER POST SPACING AS NEEDED TO ACCOMMODATE EXISTING UTILITY, STORM SEWER, AND DRAINAGE PIPE CROSSINGS. MINIMUM POST SPACING IS 7'.
MAXIMUM POST SPACING IS 15'.

2

2

MATCH LINE STA. 1846+25.00'EB'

MATCH LINE STA. 1861+00.00'EB'

SLOPE INTERCEPT (TYP.)

USH 18/151

STH 78

1848'WB' 1850'WB' 1852'WB' 1854'WB' 1856'WB' 1858'WB' 1860'WB'

1848'EB' 1850'EB' 1852'EB' 1854'EB' 1856'EB' 1858'EB' 1860'EB'

USH 18/151

CULVERT PIPE CHECK

SIGN

INL

UH

LEGEND

- INLET PROTECTION, TYPE A
- TEMPORARY DITCH CHECK
- TOPSOIL, SEED, & FERTILIZE
- SLOPE INTERCEPT
- SURFACE WATER FLOW

MATCH LINE STA. 1861+00.00'EB'

MATCH LINE STA. 1875+75.00'EB'

SLOPE INTERCEPT (TYP.)

USH 18/151

1862'WB' 1864'WB' 1866'WB' 1868'WB' 1870'WB' 1872'WB' 1874'WB' 1876

1862'EB' 1864'EB' 1866'EB' 1868'EB' 1870'EB' 1872'EB' 1874'EB'

USH 18/151

INLET PROTECTION, TYPE A

INLET PROTECTION, TYPE A

PROJECT NO: 1204-05-76	HWY: USH 18	COUNTY: IOWA & DANE	EROSION CONTROL - DANE COUNTY	SHEET 42	E

FILE NAME : P:\2018 PROJECTS\5018041 - WISDOT SWR US 18_151\CIVIL3D\SHEETSPLAN\1204-05-76\022014-EC TO 022020-EC (DANE COUNTY).DWG
LAYOUT NAME - 022017-ec

PLOT DATE : 12/9/2019 5:33 PM PLOT BY : BRETT PETERSON PLOT NAME : PLOT SCALE : ##########

WISDOT/CADDS SHEET 44

ALL UTILITIES ARE APPROXIMATE. ACTUAL LOCATIONS MUST BE FIELD VERIFIED.
ADJUST CABLE BARRIER POST SPACING AS NEEDED TO ACCOMMODATE EXISTING UTILITY, STORM SEWER, AND DRAINAGE PIPE CROSSINGS. MINIMUM POST SPACING IS 7'. MAXIMUM POST SPACING IS 15'.

2

2

MATCH LINE STA. 1875+75.00'EB'

MATCH LINE STA. 1890+50.00'EB'

SLOPE INTERCEPT (TYP.)

INLET PROTECTION, TYPE A

'WB' 1878'WB' 1880'WB' 1882'WB' 1884'WB' 1886'WB' 1888'WB' 1890'WB'

1876'EB' 1878'EB' 1880'EB' 1882'EB' 1884'EB' 1886'EB' 1888'EB' 1890'EB'

USH 18/151

USH 18/151

INLET PROTECTION, TYPE A

N

LEGEND

- INLET PROTECTION, TYPE A
- TEMPORARY DITCH CHECK
- TOPSOIL, SEED, & FERTILIZE
- SLOPE INTERCEPT
- SURFACE WATER FLOW

MATCH LINE STA. 1890+50.00'EB'

MATCH LINE STA. 1905+25.00'EB'

SIGN

1892'WB' 1894'WB' 1896'WB' 1898'WB' 1900'WB' 1902'WB' 1904'WB'

1892'EB' 1894'EB' 1896'EB' 1898'EB' 1900'EB' 1902'EB' 1904'EB'

USH 18/151

USH 18/151

INLET PROTECTION, TYPE A

INLET PROTECTION, TYPE A

SLOPE INTERCEPT (TYP.)

WEATHER STATION

SAND ROCK ROAD

N

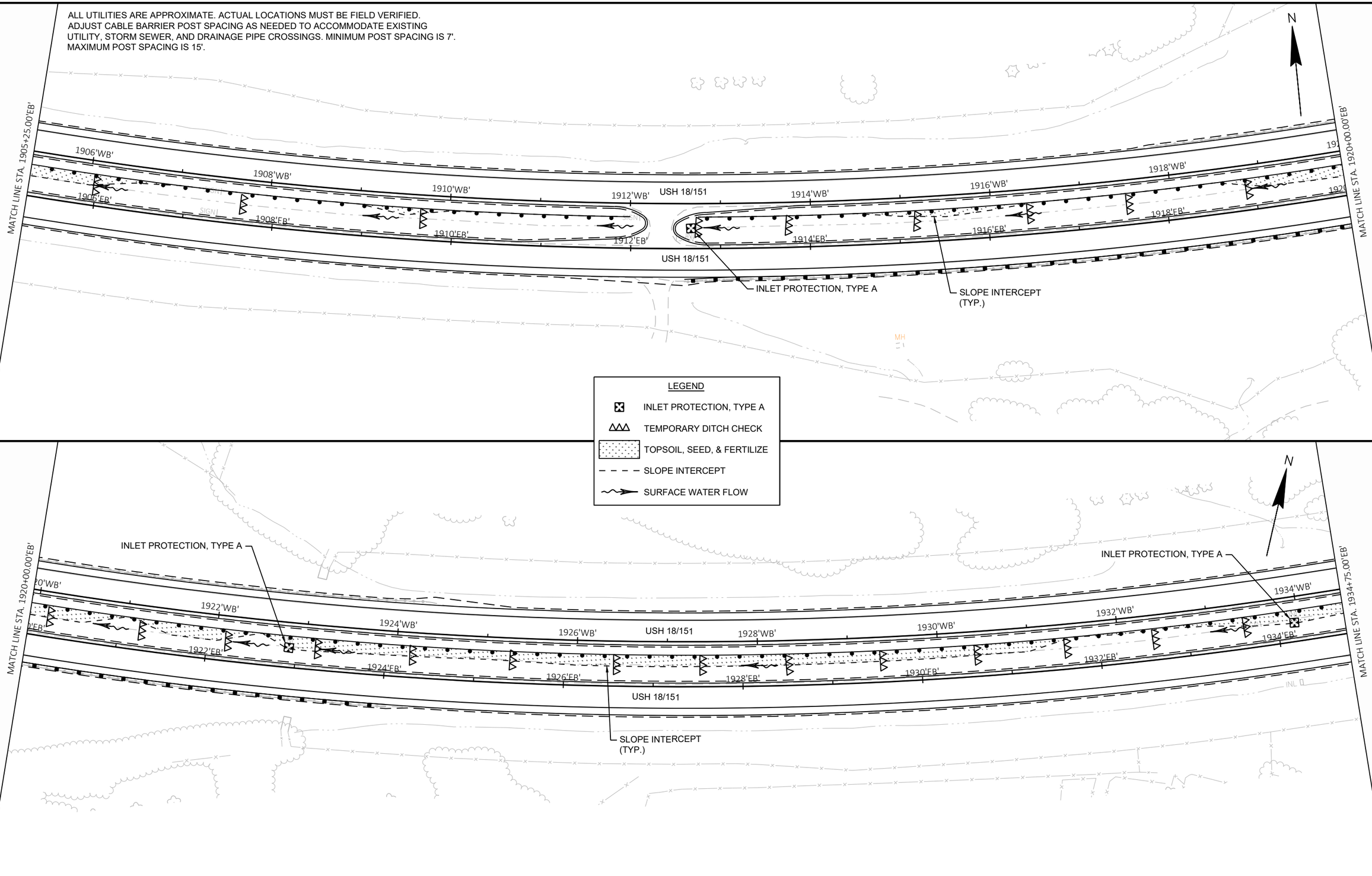
PROJECT NO: 1204-05-76	HWY: USH 18	COUNTY: IOWA & DANE	EROSION CONTROL - DANE COUNTY	SHEET 43	E

FILE NAME : P:\2018 PROJECTS\5018041 - WISDOT SWR US 18_151\CIVIL3D\SHEETSPLAN\1204-05-76\022014-EC TO 022020-EC (DANE COUNTY).DWG
LAYOUT NAME - 022018-ec

PLOT DATE : 12/9/2019 5:34 PM PLOT BY : BRETT PETERSON PLOT NAME : PLOT SCALE : ##########

WISDOT/CADDS SHEET 44

ALL UTILITIES ARE APPROXIMATE. ACTUAL LOCATIONS MUST BE FIELD VERIFIED.
ADJUST CABLE BARRIER POST SPACING AS NEEDED TO ACCOMMODATE EXISTING UTILITY, STORM SEWER, AND DRAINAGE PIPE CROSSINGS. MINIMUM POST SPACING IS 7'.
MAXIMUM POST SPACING IS 15'.

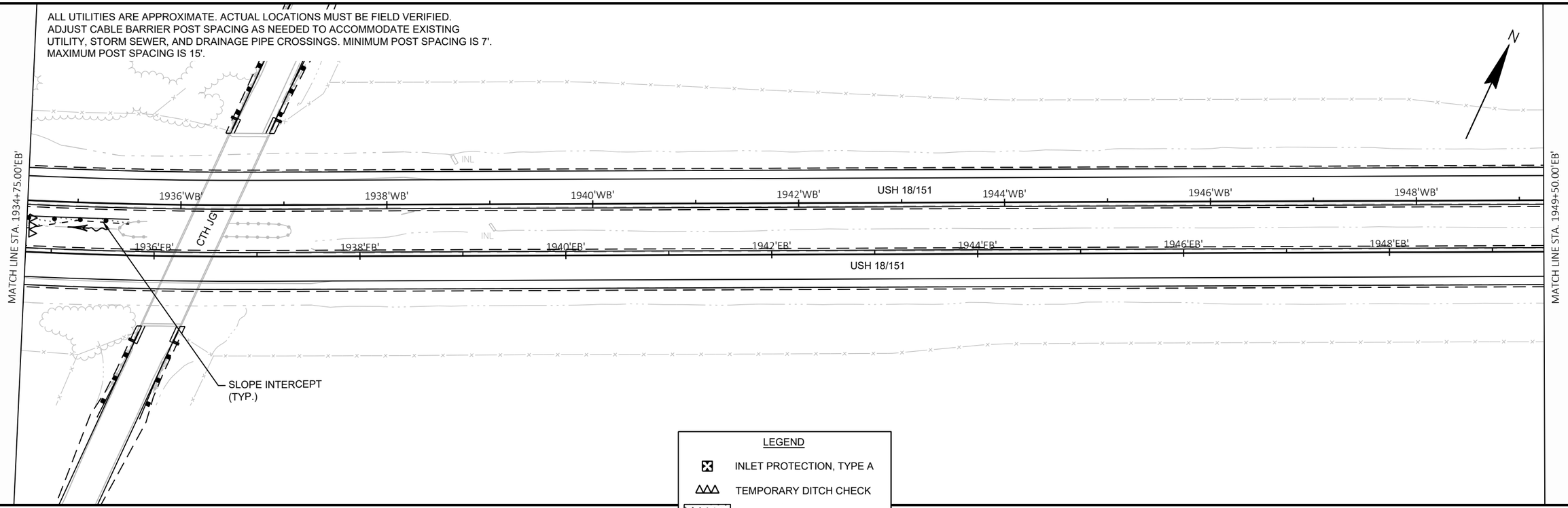


PROJECT NO: 1204-05-76	HWY: USH 18	COUNTY: IOWA & DANE	EROSION CONTROL - DANE COUNTY	SHEET 44	E

FILE NAME : P:\2018 PROJECTS\5018041 - WISDOT SWR US 18_151\CIVIL3D\SHEETSPLAN\1204-05-76\022014-EC TO 022020-EC (DANE COUNTY).DWG
LAYOUT NAME - 022019-ec
PLOT DATE : 12/9/2019 5:35 PM PLOT BY : BRETT PETERSON PLOT NAME : PLOT SCALE : ##########

2

ALL UTILITIES ARE APPROXIMATE. ACTUAL LOCATIONS MUST BE FIELD VERIFIED.
ADJUST CABLE BARRIER POST SPACING AS NEEDED TO ACCOMMODATE EXISTING
UTILITY, STORM SEWER, AND DRAINAGE PIPE CROSSINGS. MINIMUM POST SPACING IS 7'.
MAXIMUM POST SPACING IS 15'.



LEGEND

- INLET PROTECTION, TYPE A
- TEMPORARY DITCH CHECK
- TOPSOIL, SEED, & FERTILIZE
- SLOPE INTERCEPT
- SURFACE WATER FLOW

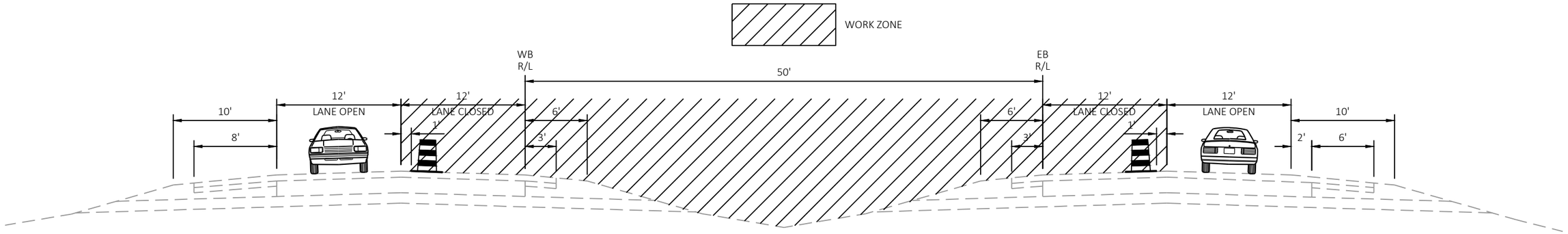
2

PROJECT NO: 1204-05-76	HWY: USH 18	COUNTY: IOWA & DANE	EROSION CONTROL - DANE COUNTY	SHEET 45	E

FILE NAME : P:\2018 PROJECTS\5018041 - WISDOT SWR US 18_151\CIVIL3D\SHEETSPLAN\1204-05-76\022014-EC TO 022020-EC (DANE COUNTY).DWG
LAYOUT NAME - 022020-ec

PLOT DATE : 12/9/2019 5:36 PM PLOT BY : BRETT PETERSON PLOT NAME : PLOT SCALE : ##########

2



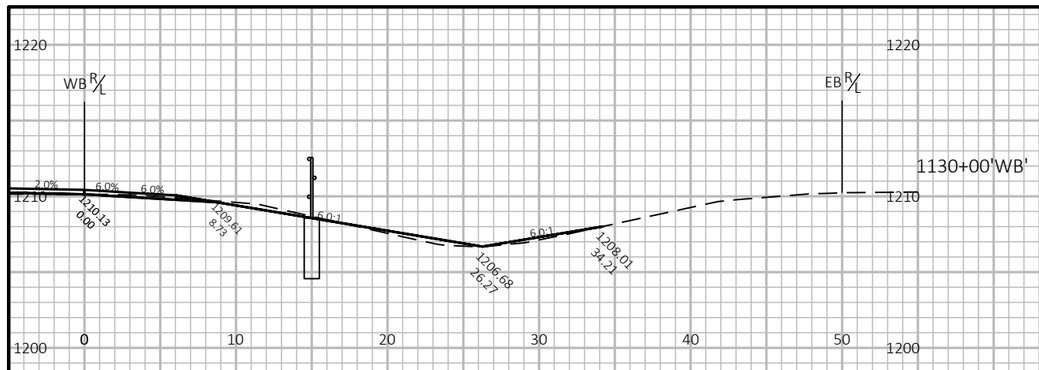
TRAFFIC CONTROL TYPICAL SECTION

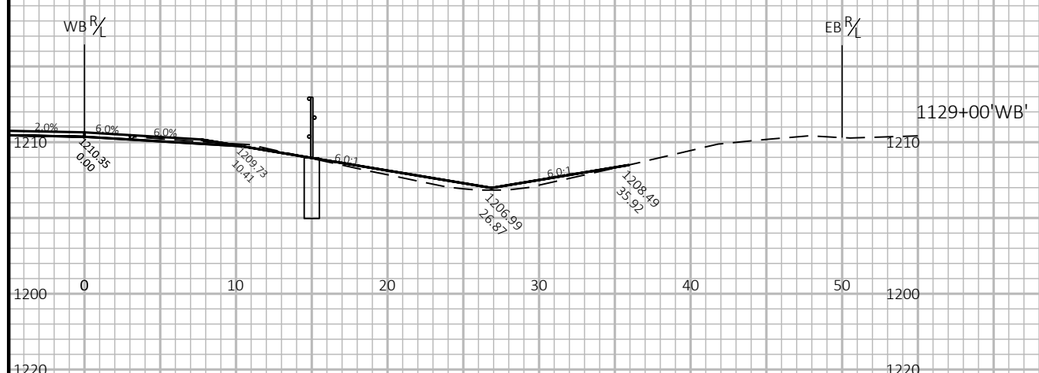
MEDIAN LANES AND SHOULDERS CLOSED
CABLE BARRIER INSTALLATION AND MEDIAN GRADING

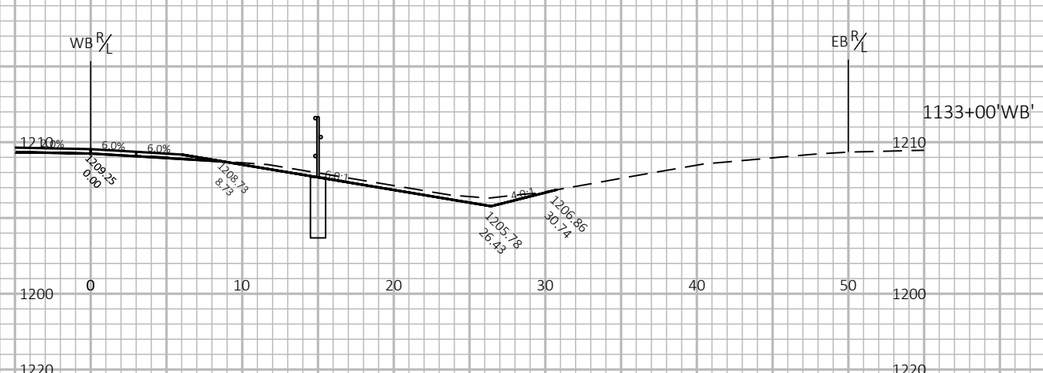
PROJECT NO: 1204-05-76	HWY: USH 18	COUNTY: IOWA & DANE	TRAFFIC CONTROL - STAGING	SHEET 46	E

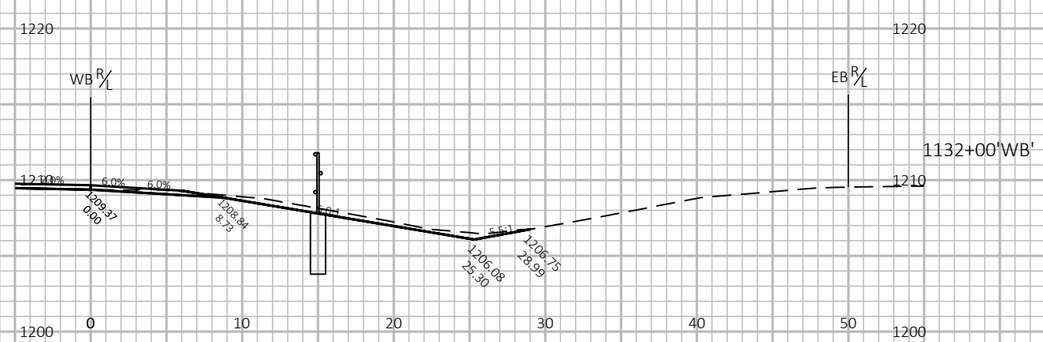
FILE NAME : P:\2018 PROJECTS\5018041 - WISDOT SWR US 18_151\CIVIL3D\SHEETSPLAN\1204-05-76\025001-TC.DWG
LAYOUT NAME - 025001-tc

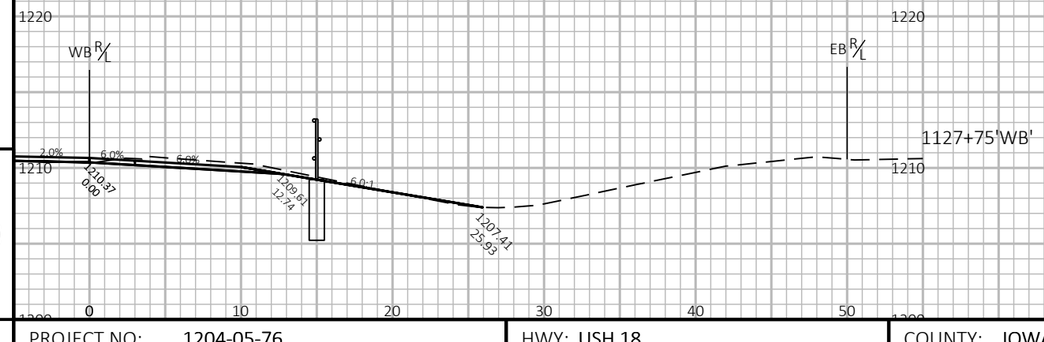
PLOT DATE : 12/9/2019 5:41 PM PLOT BY : BRETT PETERSON PLOT NAME : PLOT SCALE : 1 IN:10 FT

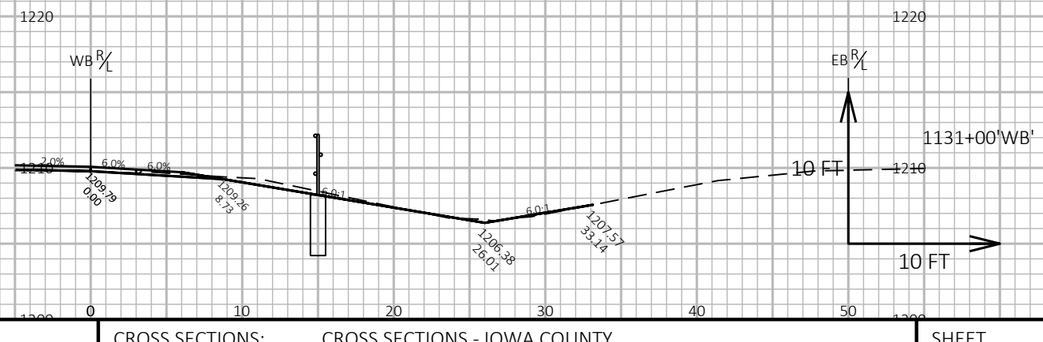












9

9

PROJECT NO: 1204-05-76	HWY: USH 18	COUNTY: IOWA & DANE	CROSS SECTIONS: CROSS SECTIONS - IOWA COUNTY	SHEET 47	E

FILE NAME : P:\2018 PROJECTS\5018041 - WISDOT SWR US 18_151\CIVIL3D\SHEETSPLAN\1204-05-76\090201-XS (IOWA COUNTY).DWG
LAYOUT NAME - 1

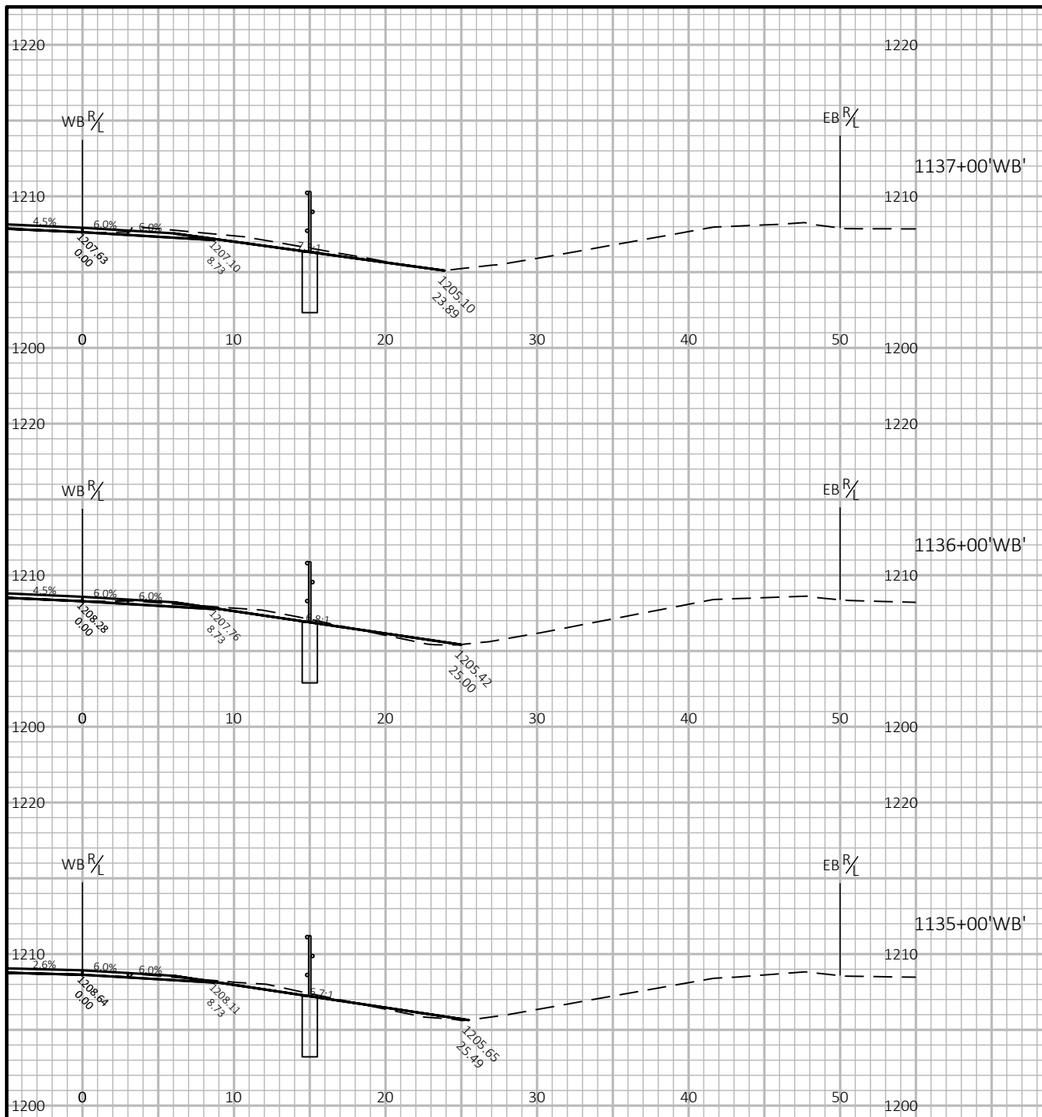
PLOT DATE : 12/9/2019 5:49 PM

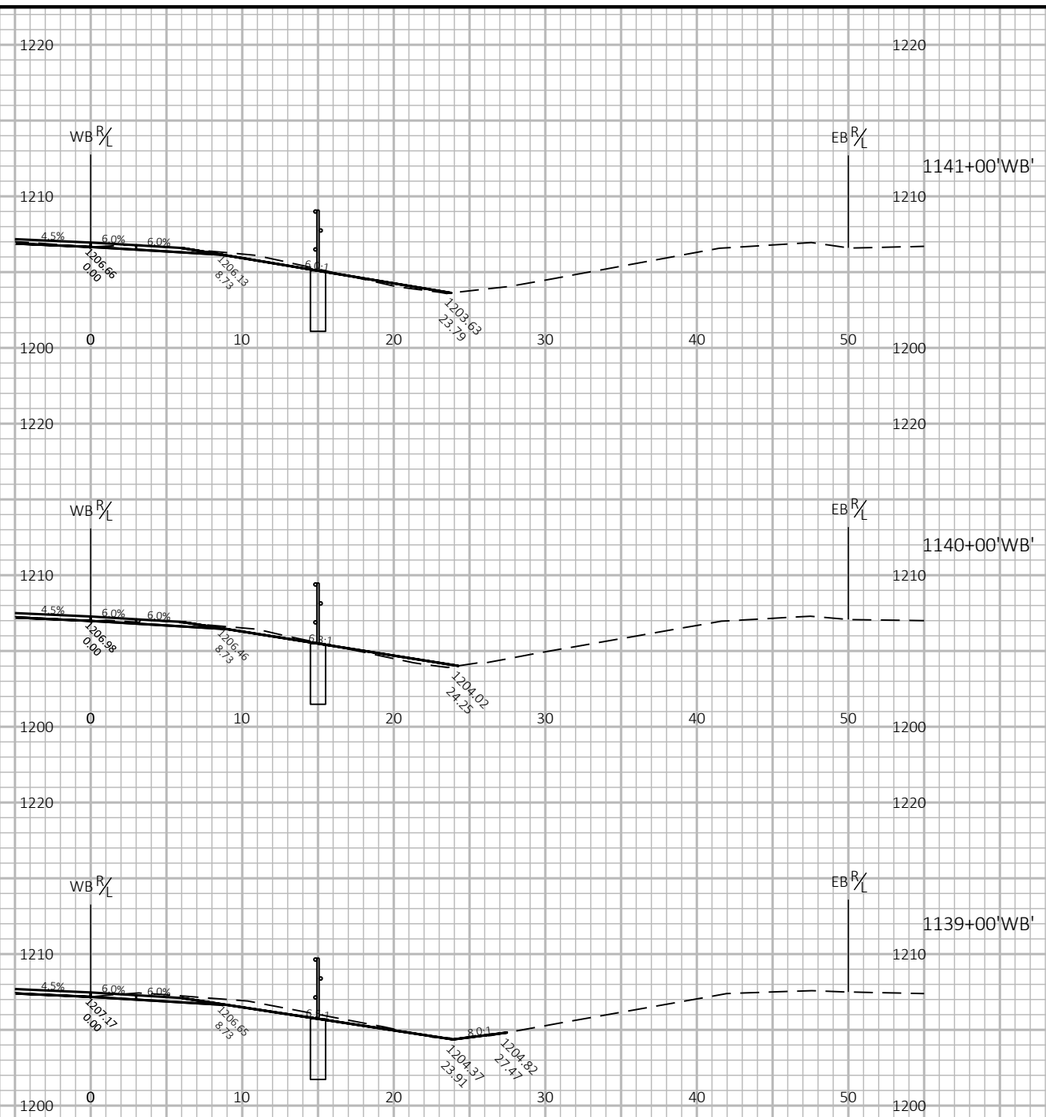
PLOT BY : BRETT PETERSON

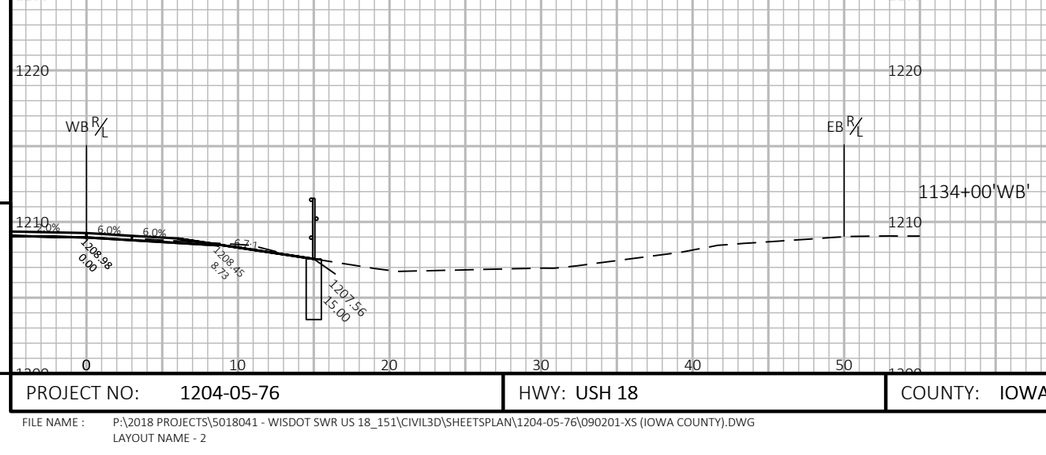
PLOT NAME :

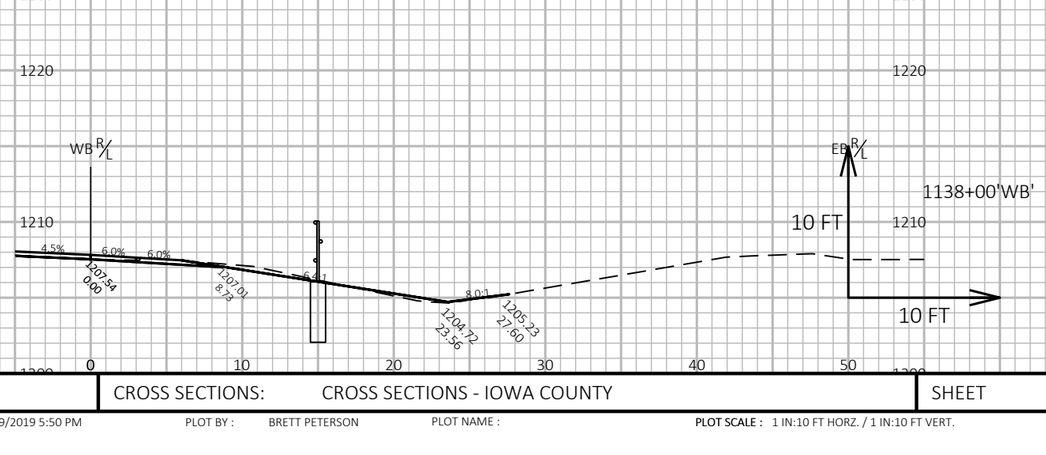
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49









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PROJECT NO: 1204-05-76	HWY: USH 18	COUNTY: IOWA & DANE	CROSS SECTIONS: CROSS SECTIONS - IOWA COUNTY	SHEET 48	E

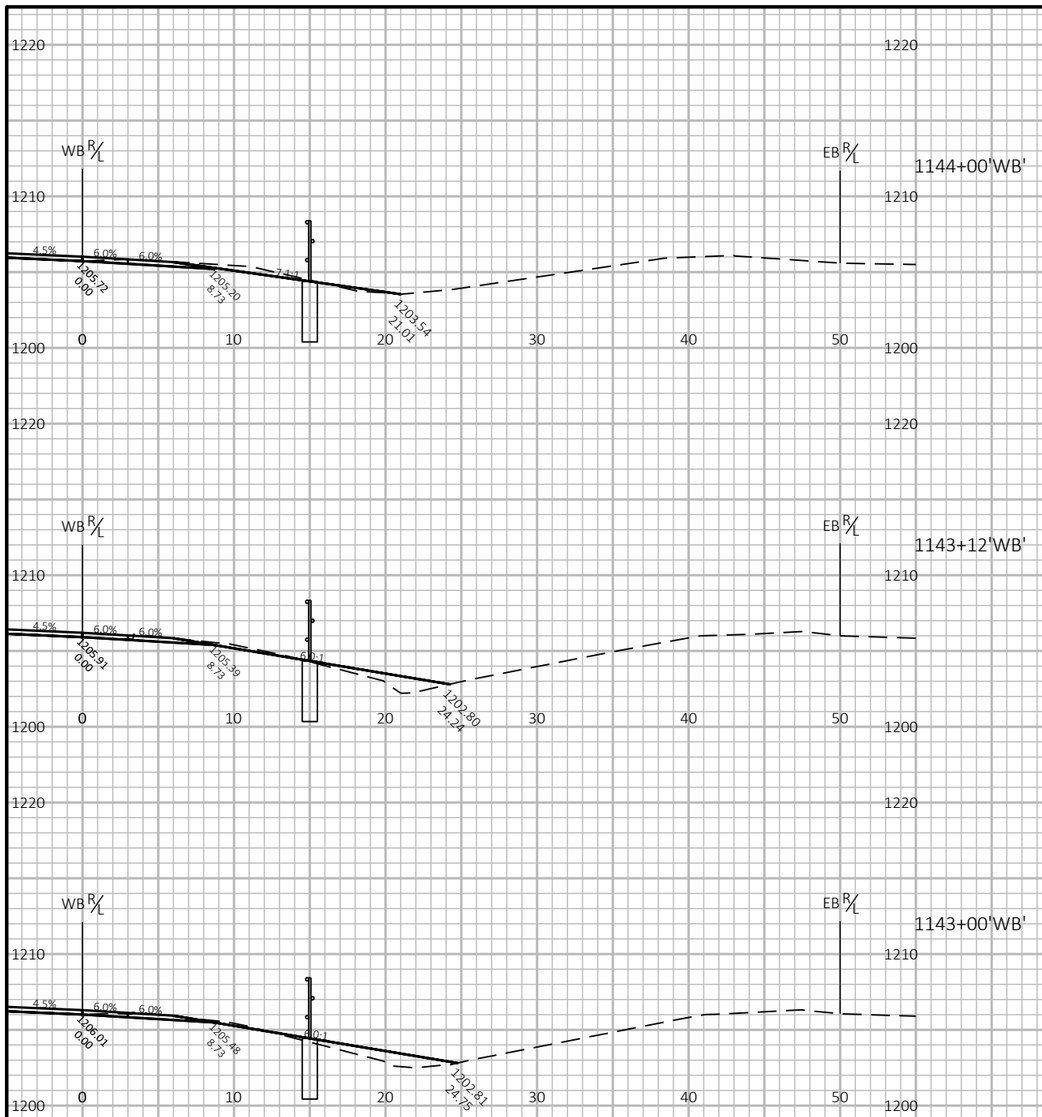
FILE NAME : P:\2018 PROJECTS\5018041 - WISDOT SWR US 18_151\CIVIL3D\SHEETSPLAN\1204-05-76\090201-XS (IOWA COUNTY).DWG
LAYOUT NAME - 2

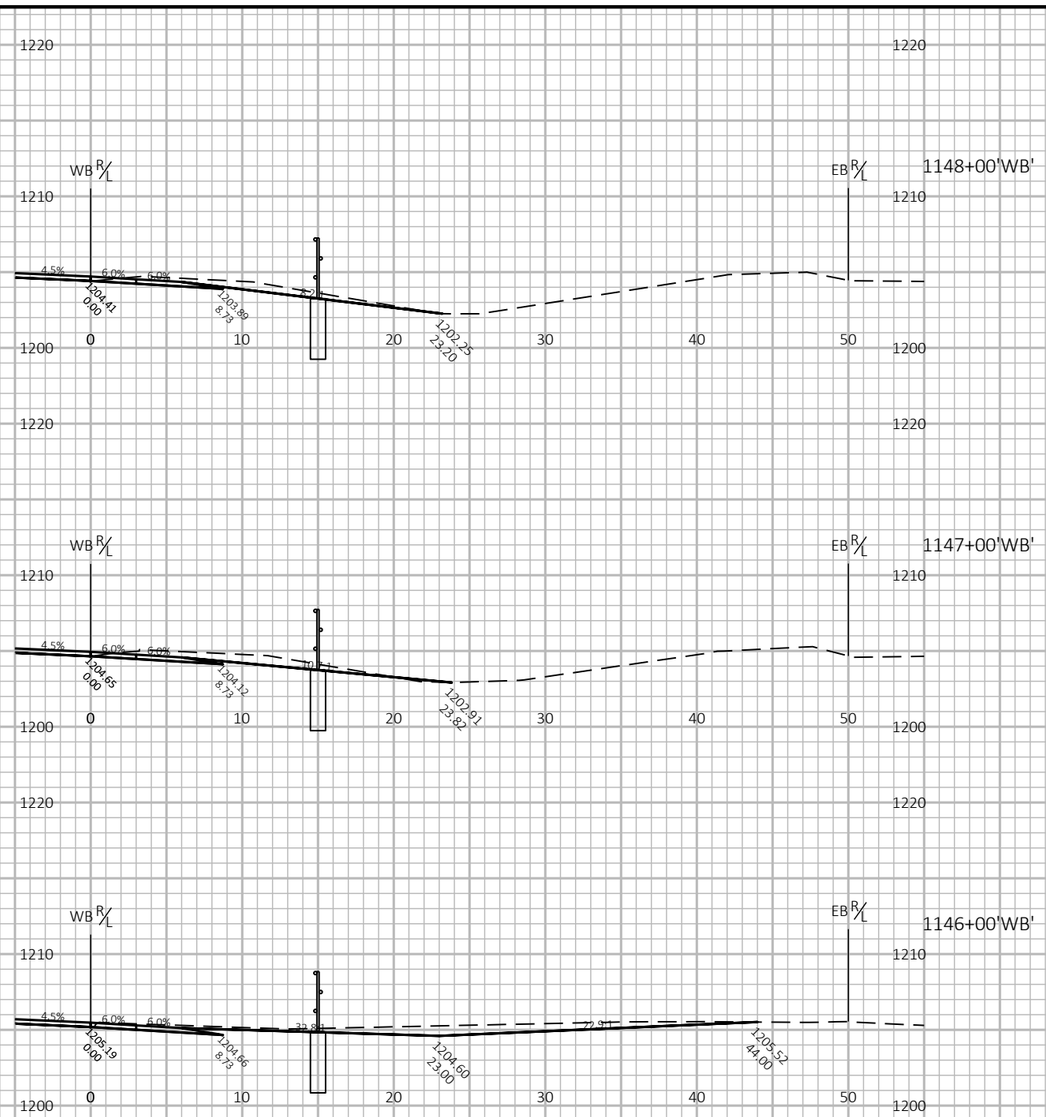
PLOT DATE : 12/9/2019 5:50 PM

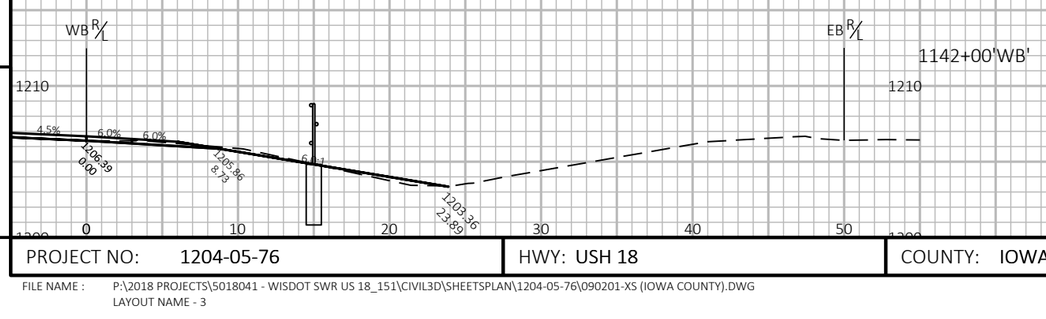
PLOT BY : BRETT PETERSON

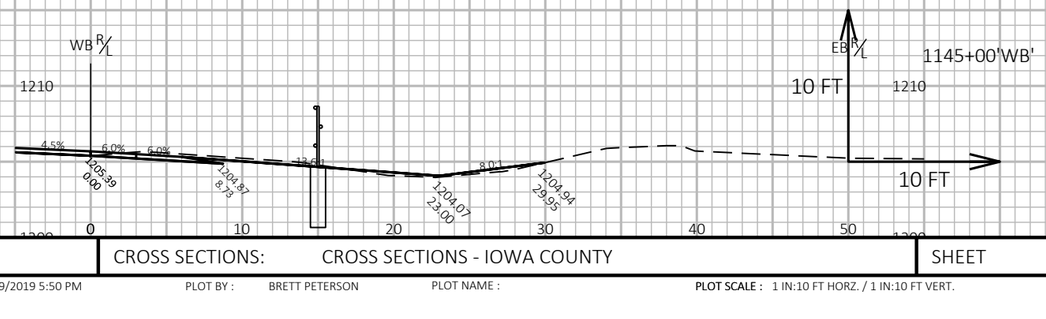
PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.









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PROJECT NO: 1204-05-76	HWY: USH 18	COUNTY: IOWA & DANE	CROSS SECTIONS: CROSS SECTIONS - IOWA COUNTY	SHEET 49	E

FILE NAME : P:\2018 PROJECTS\5018041 - WISDOT SWR US 18_151\CIVIL3D\SHEETSPLAN\1204-05-76\090201-XS (IOWA COUNTY).DWG
LAYOUT NAME - 3

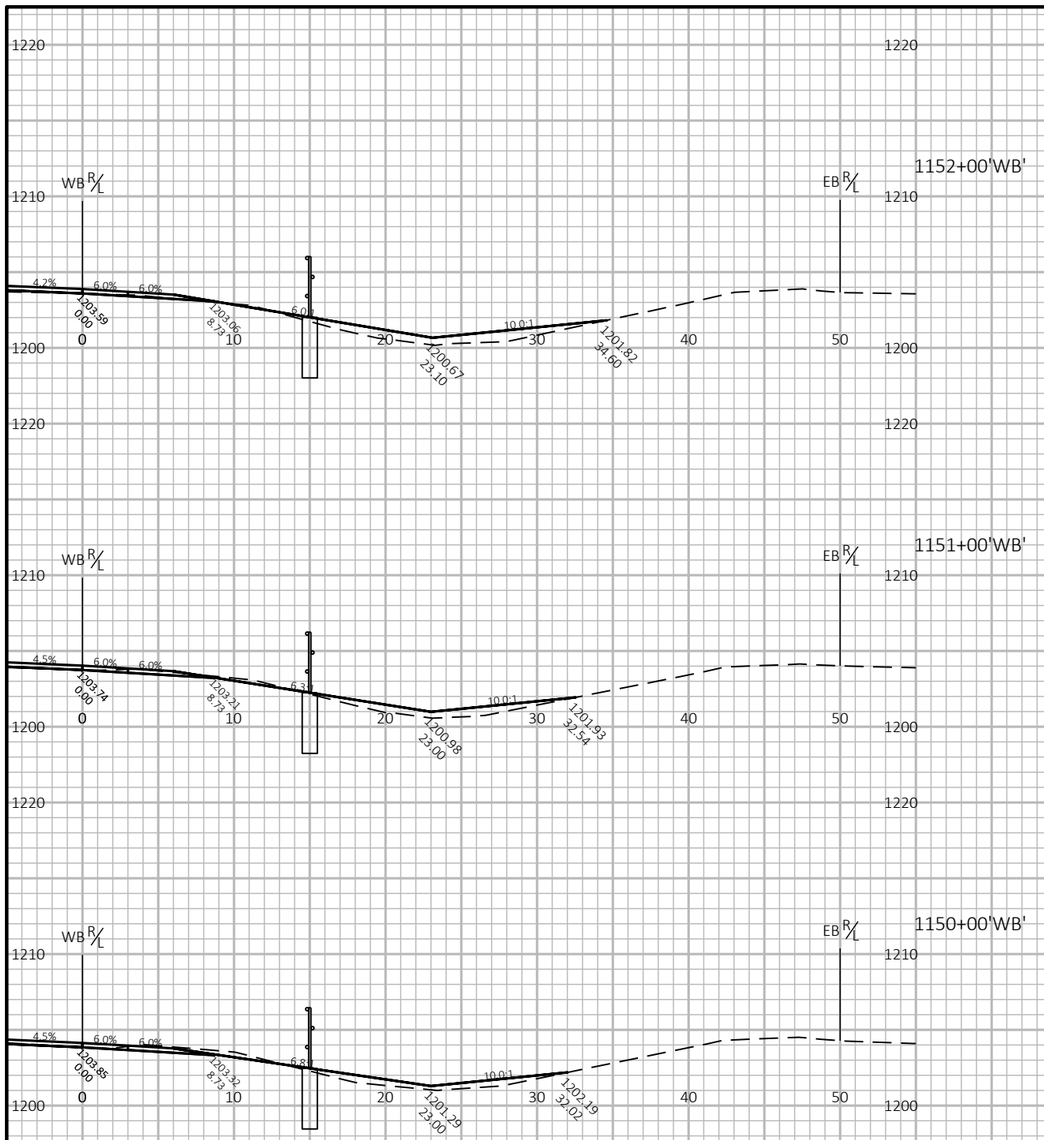
PLOT DATE : 12/9/2019 5:50 PM

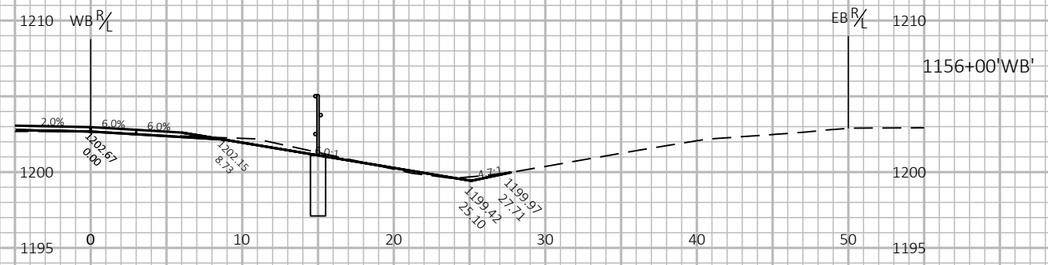
PLOT BY : BRETT PETERSON

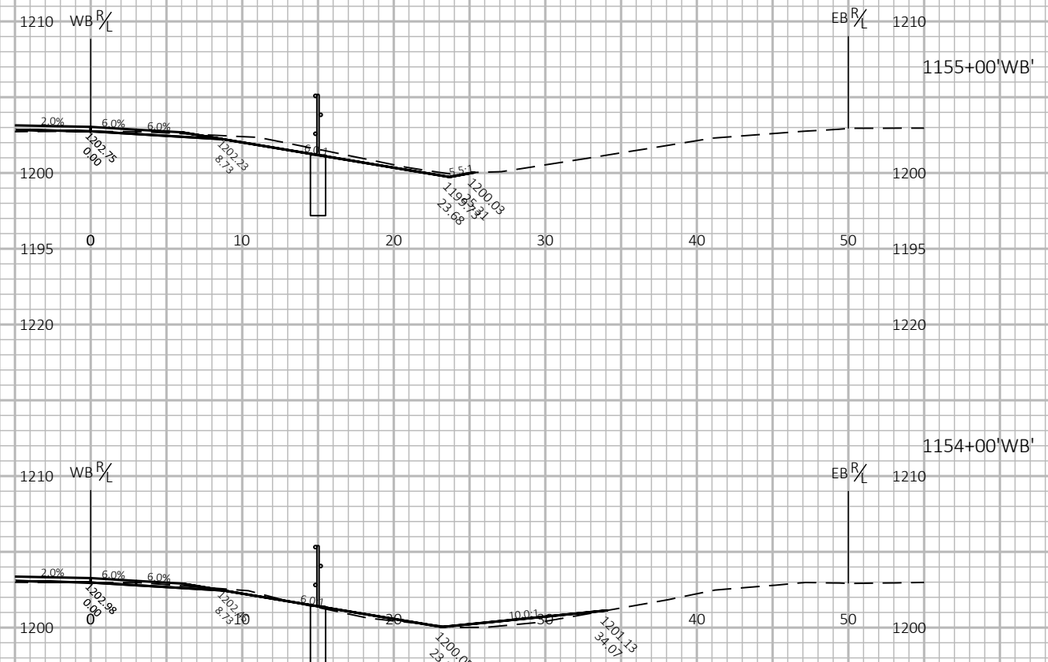
PLOT NAME :

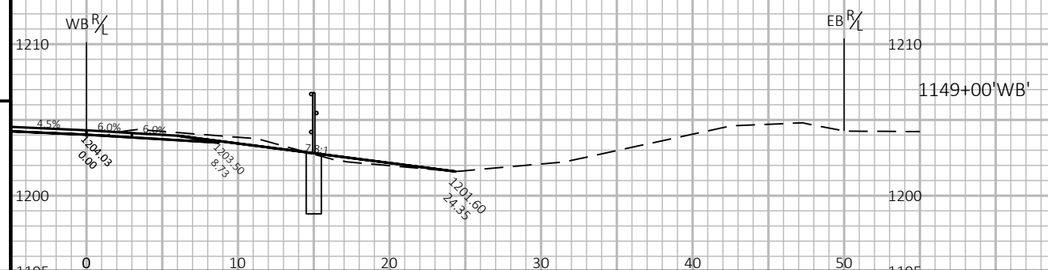
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

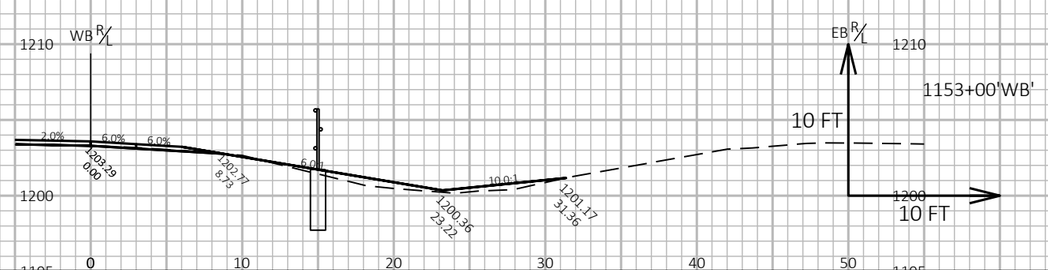
WISDOT/CADDS SHEET 49











9

9

PROJECT NO: 1204-05-76	HWY: USH 18	COUNTY: IOWA & DANE	CROSS SECTIONS: CROSS SECTIONS - IOWA COUNTY	SHEET 50	E

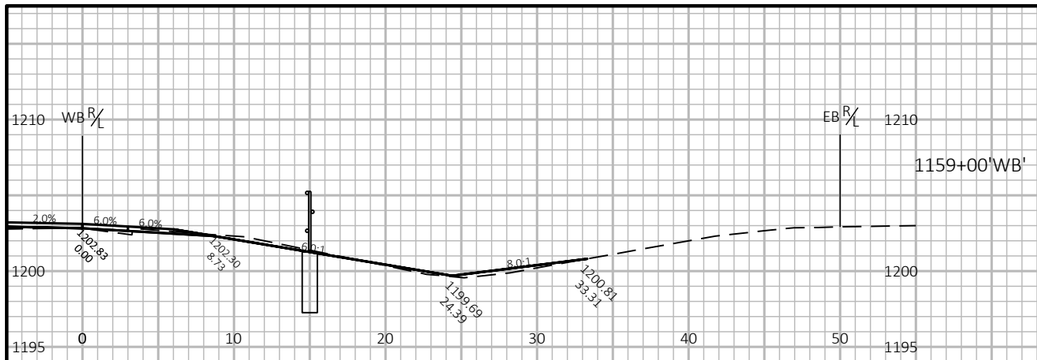
FILE NAME : P:\2018 PROJECTS\5018041 - WISDOT SWR US 18_151\CIVIL3D\SHEETSPLAN\1204-05-76\090201-XS (IOWA COUNTY).DWG
LAYOUT NAME - 4

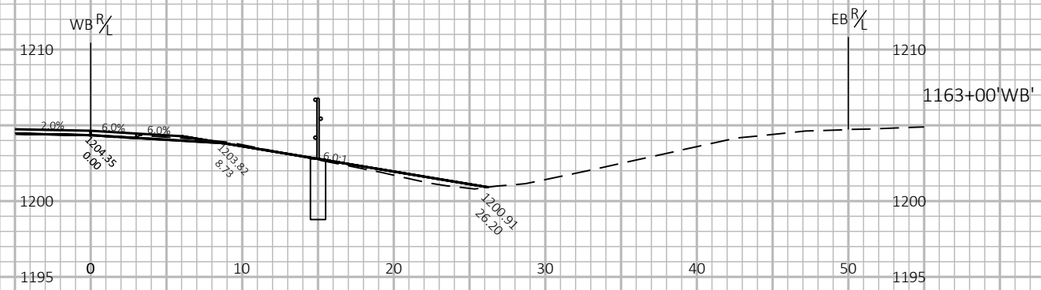
PLOT DATE : 12/9/2019 5:50 PM

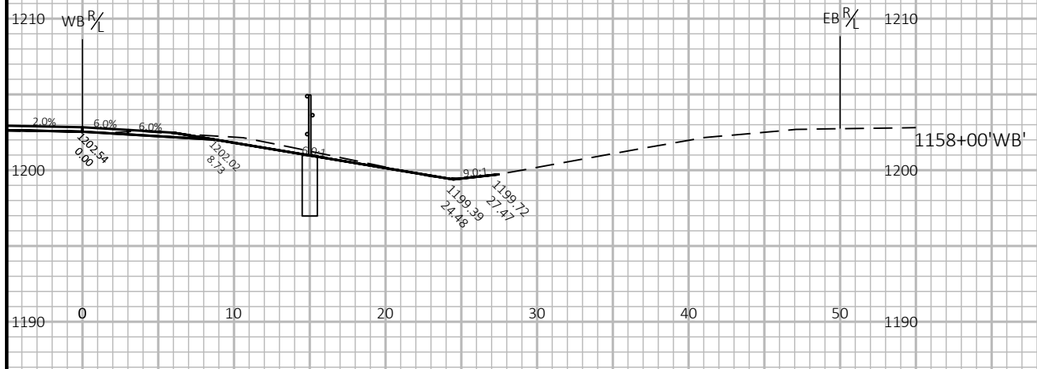
PLOT BY : BRETT PETERSON

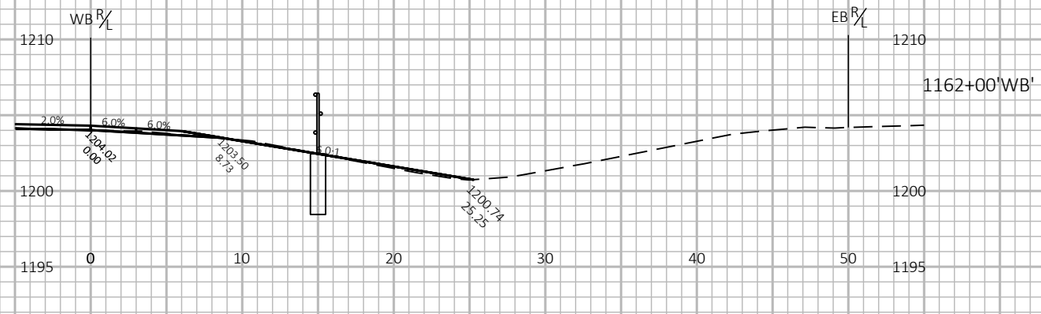
PLOT NAME :

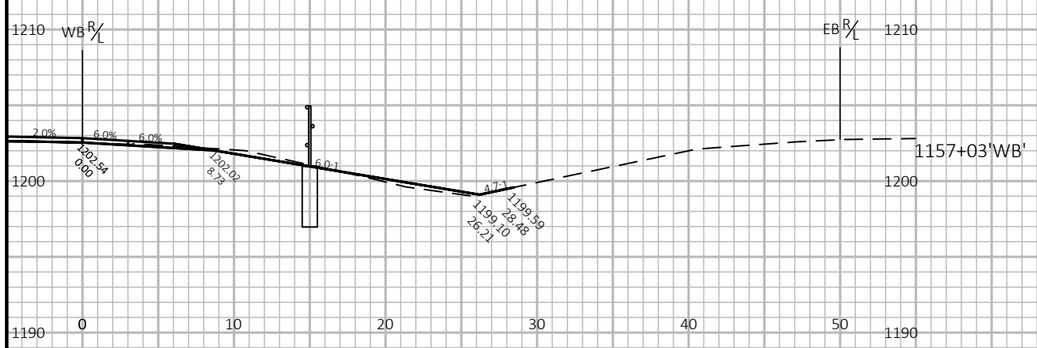
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

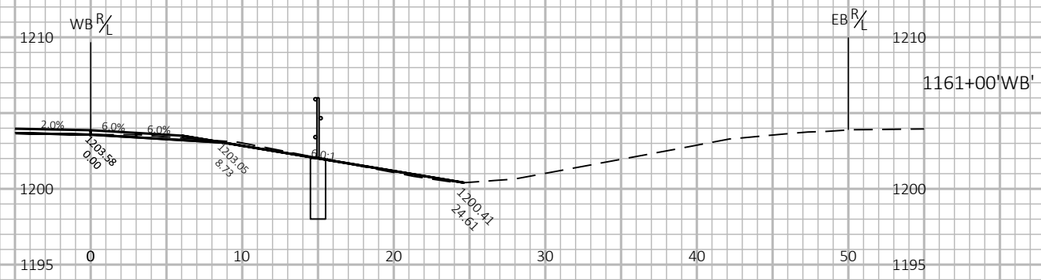


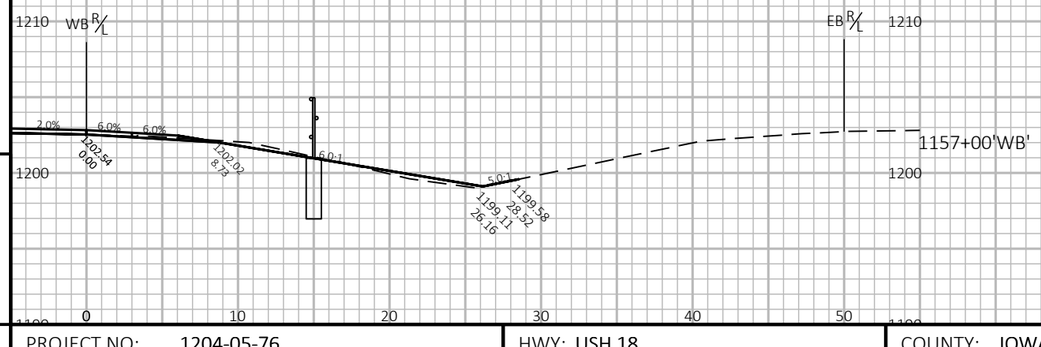


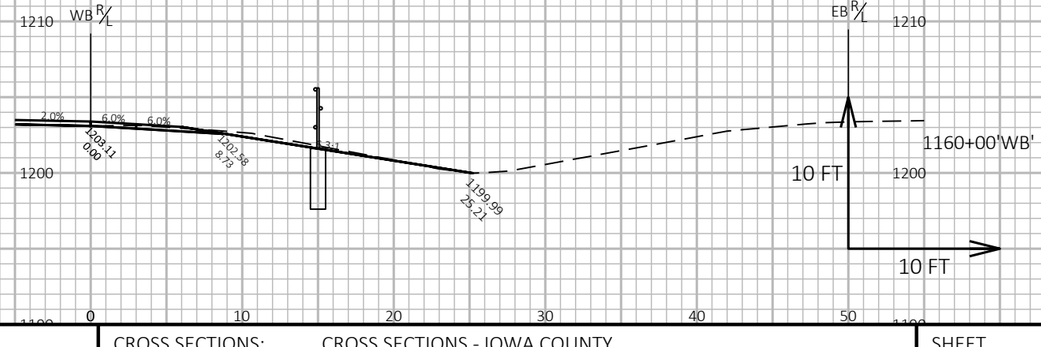












9

9

PROJECT NO: 1204-05-76	HWY: USH 18	COUNTY: IOWA & DANE	CROSS SECTIONS: CROSS SECTIONS - IOWA COUNTY	SHEET 51	E

FILE NAME : P:\2018 PROJECTS\5018041 - WISDOT SWR US 18_151\CIVIL3D\SHEETSPLAN\1204-05-76\090201-XS (IOWA COUNTY).DWG
LAYOUT NAME - 5

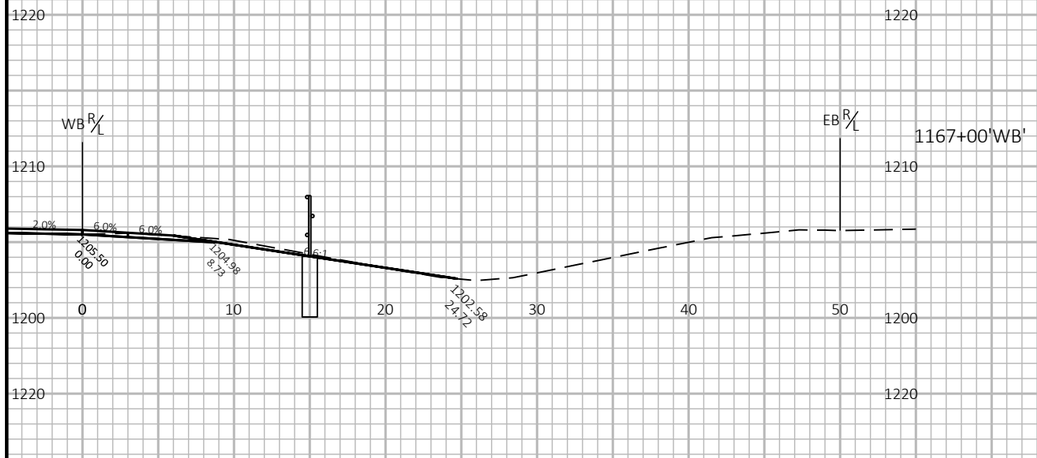
PLOT DATE : 12/9/2019 5:51 PM

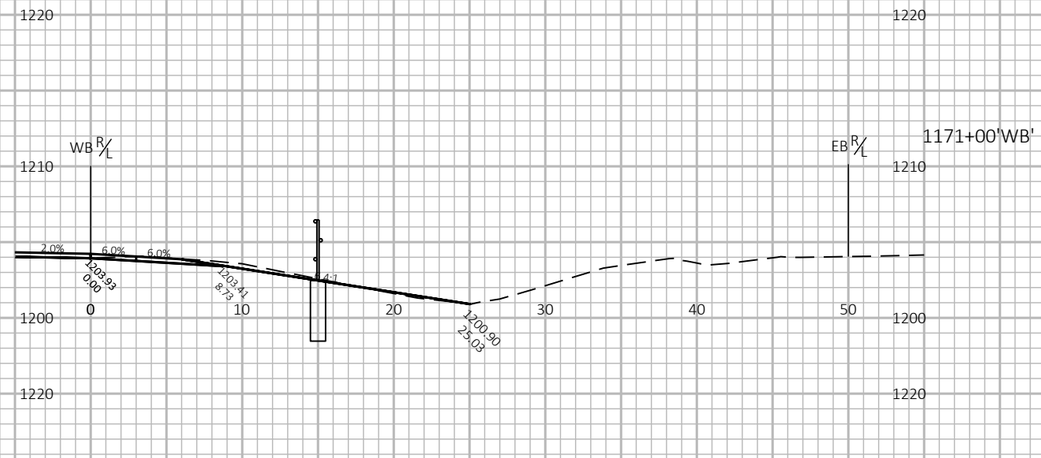
PLOT BY : BRETT PETERSON

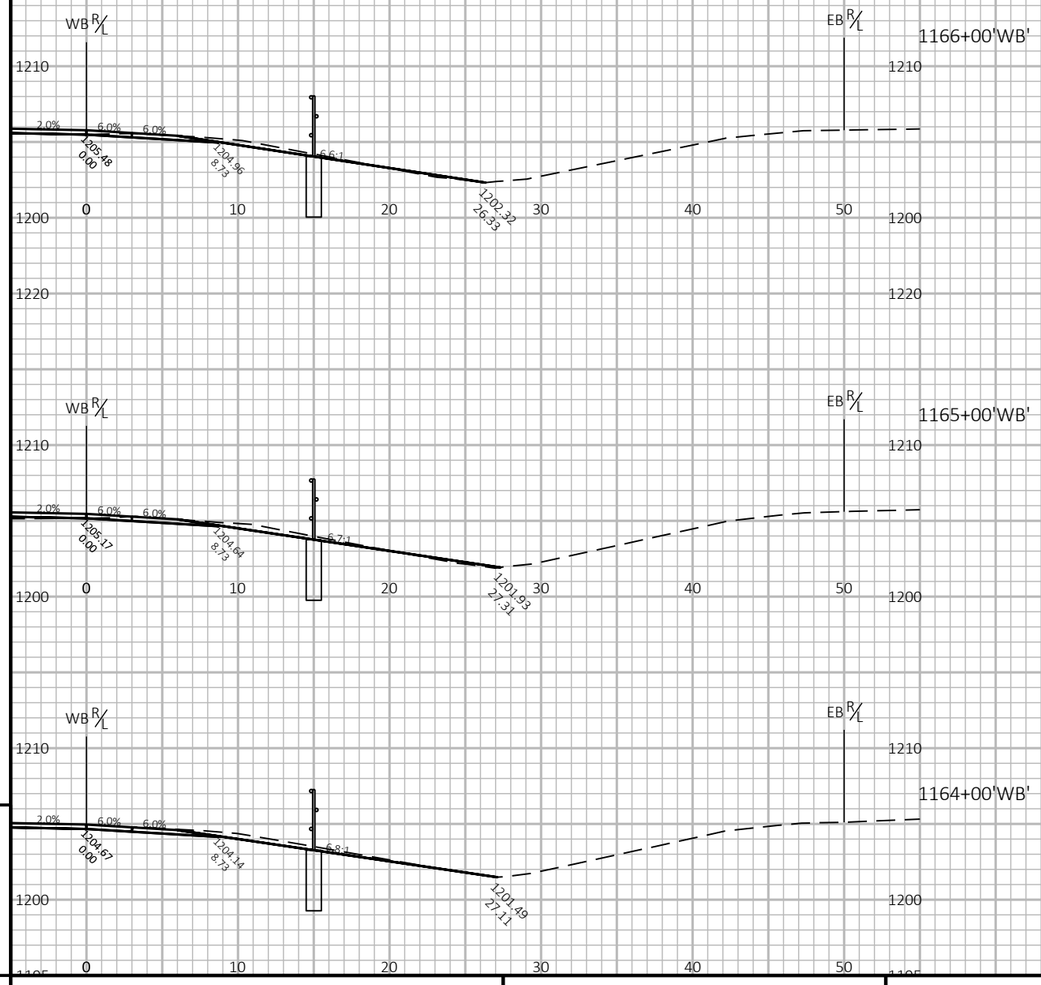
PLOT NAME :

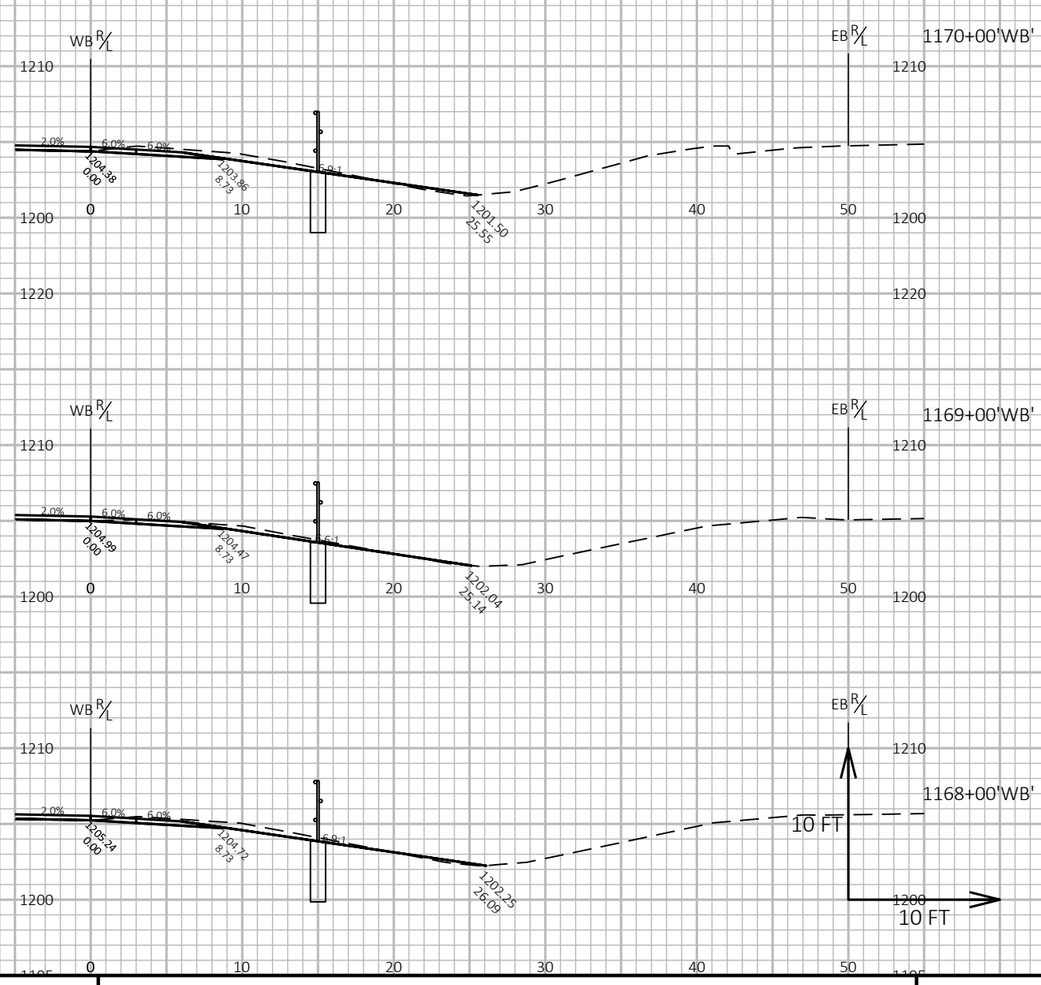
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49









9

9

PROJECT NO: 1204-05-76	HWY: USH 18	COUNTY: IOWA & DANE	CROSS SECTIONS: CROSS SECTIONS - IOWA COUNTY	SHEET 52	E

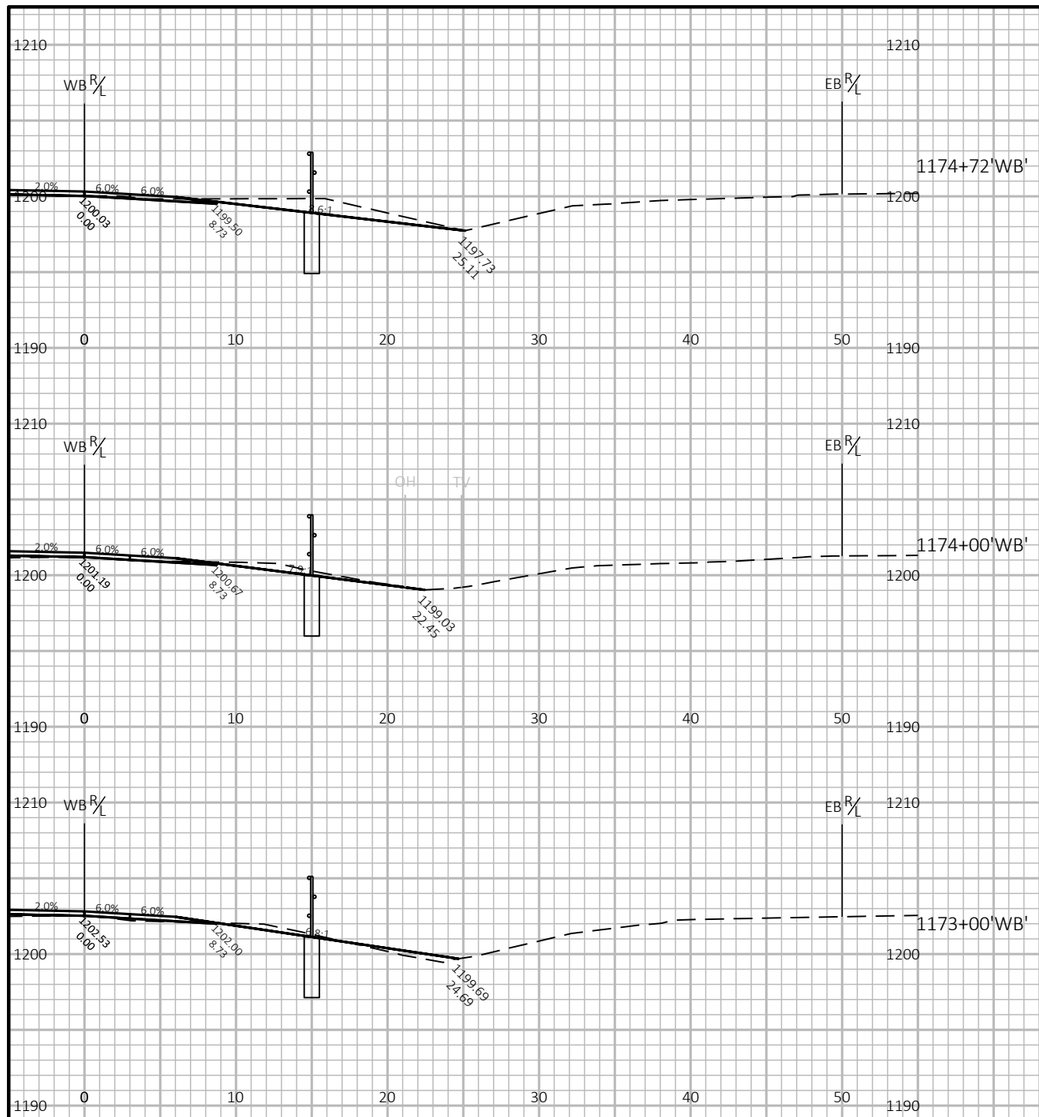
FILE NAME : P:\2018 PROJECTS\5018041 - WISDOT SWR US 18_151\CIVIL3D\SHEETSPLAN\1204-05-76\090201-XS (IOWA COUNTY).DWG
LAYOUT NAME - 6

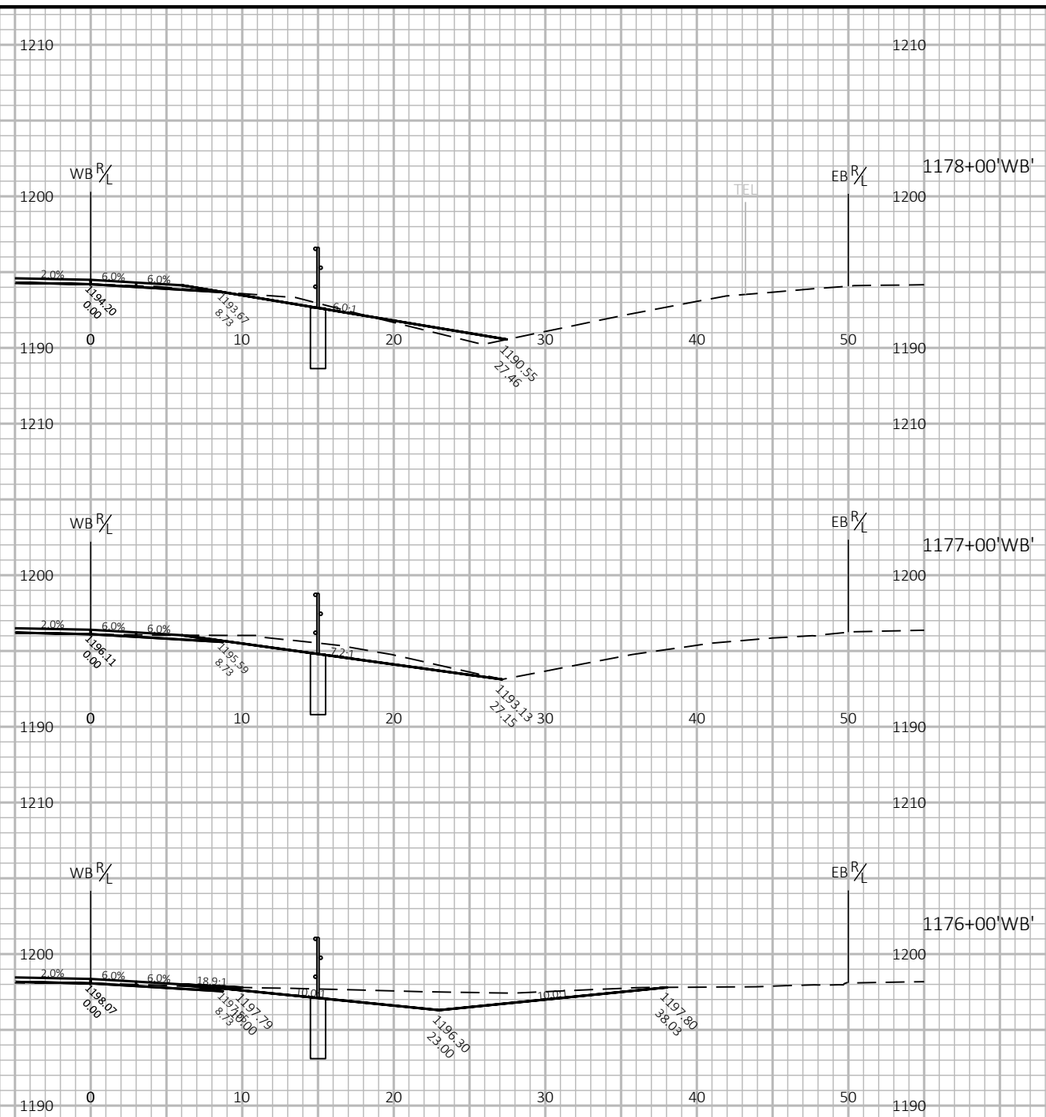
PLOT DATE : 12/9/2019 5:51 PM

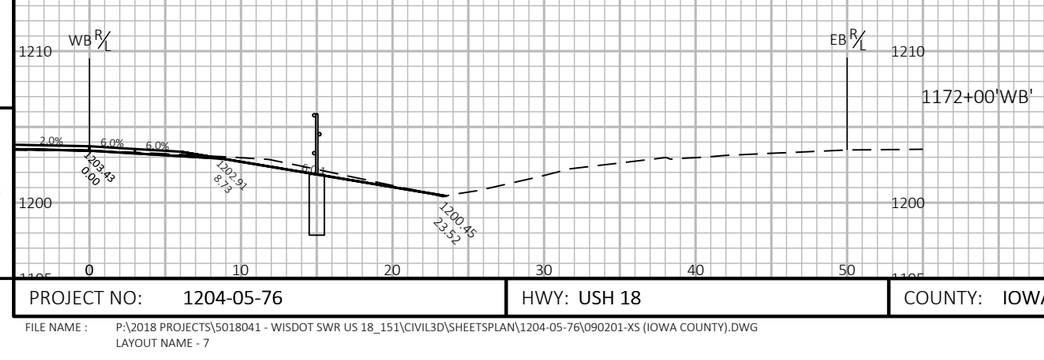
PLOT BY : BRETT PETERSON

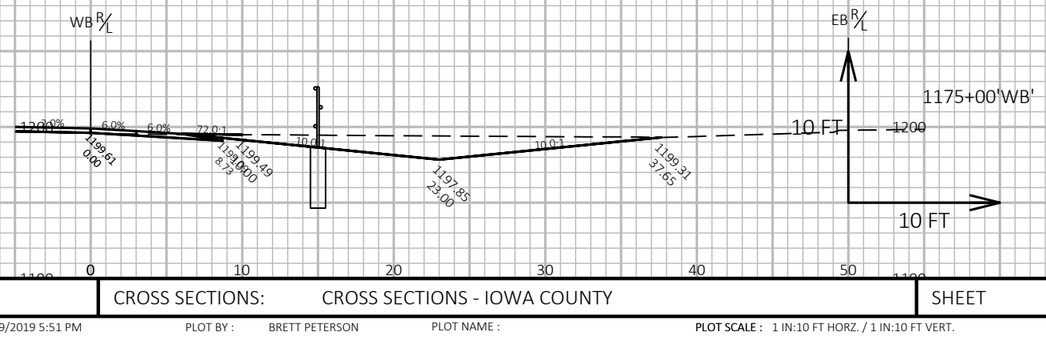
PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.









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9

PROJECT NO: 1204-05-76	HWY: USH 18	COUNTY: IOWA & DANE	CROSS SECTIONS: CROSS SECTIONS - IOWA COUNTY	SHEET 53	E

FILE NAME : P:\2018 PROJECTS\5018041 - WISDOT SWR US 18_151\CIVIL3D\SHEETSPLAN\1204-05-76\090201-XS (IOWA COUNTY).DWG
LAYOUT NAME - 7

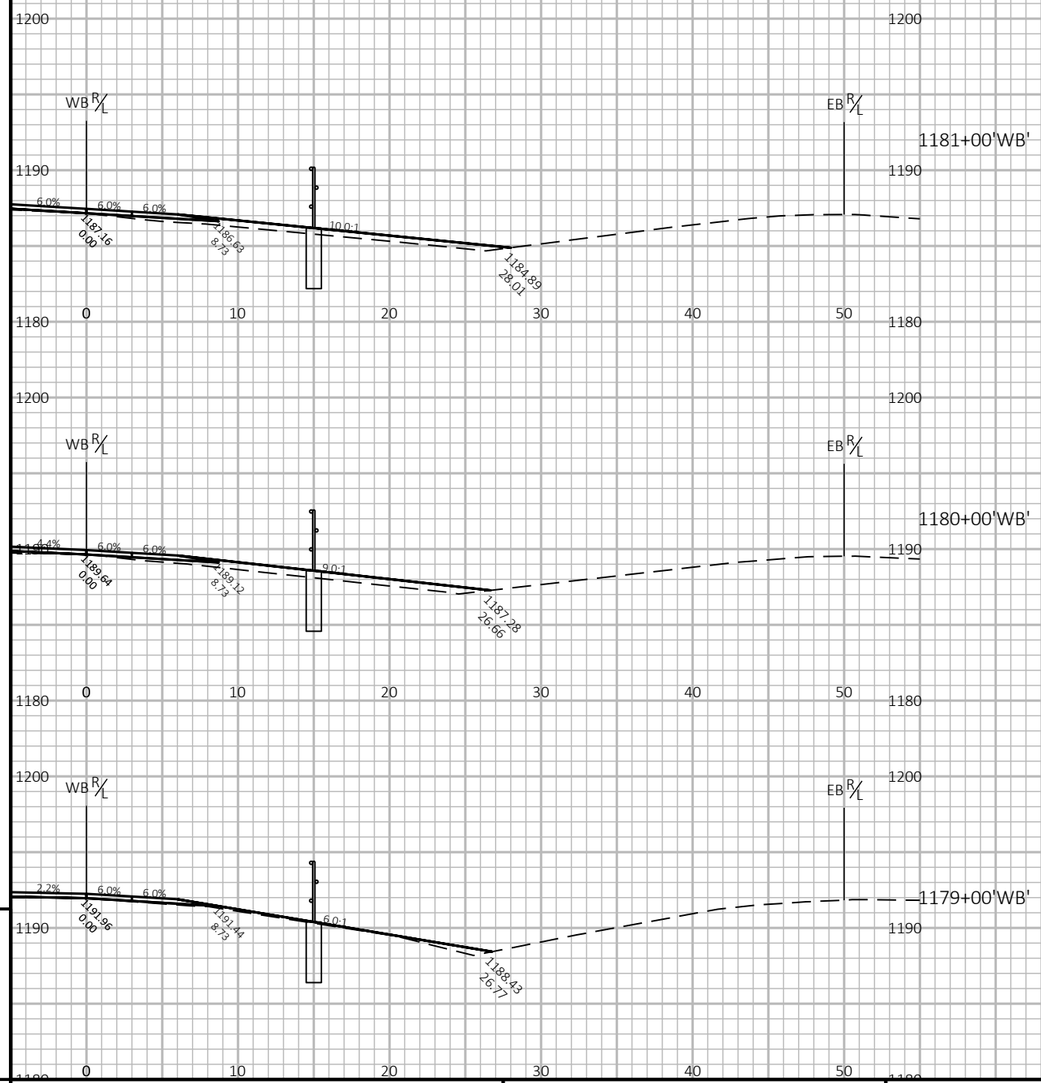
PLOT DATE : 12/9/2019 5:51 PM

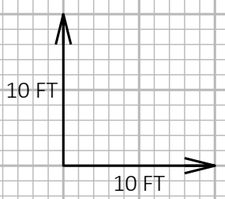
PLOT BY : BRETT PETERSON

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49





9

9

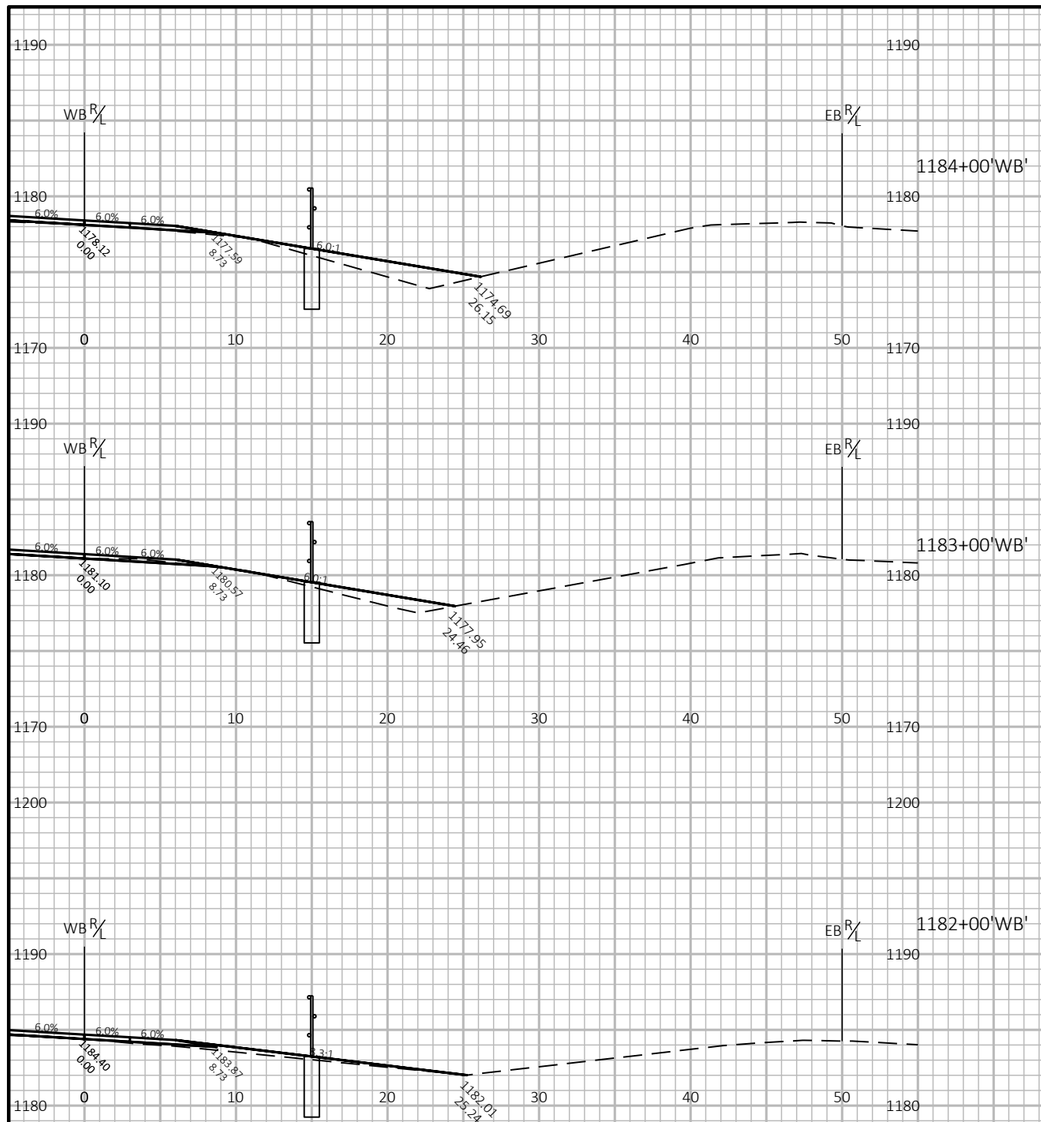
PROJECT NO: 1204-05-76	HWY: USH 18	COUNTY: IOWA & DANE	CROSS SECTIONS: CROSS SECTIONS - IOWA COUNTY	SHEET 54	E

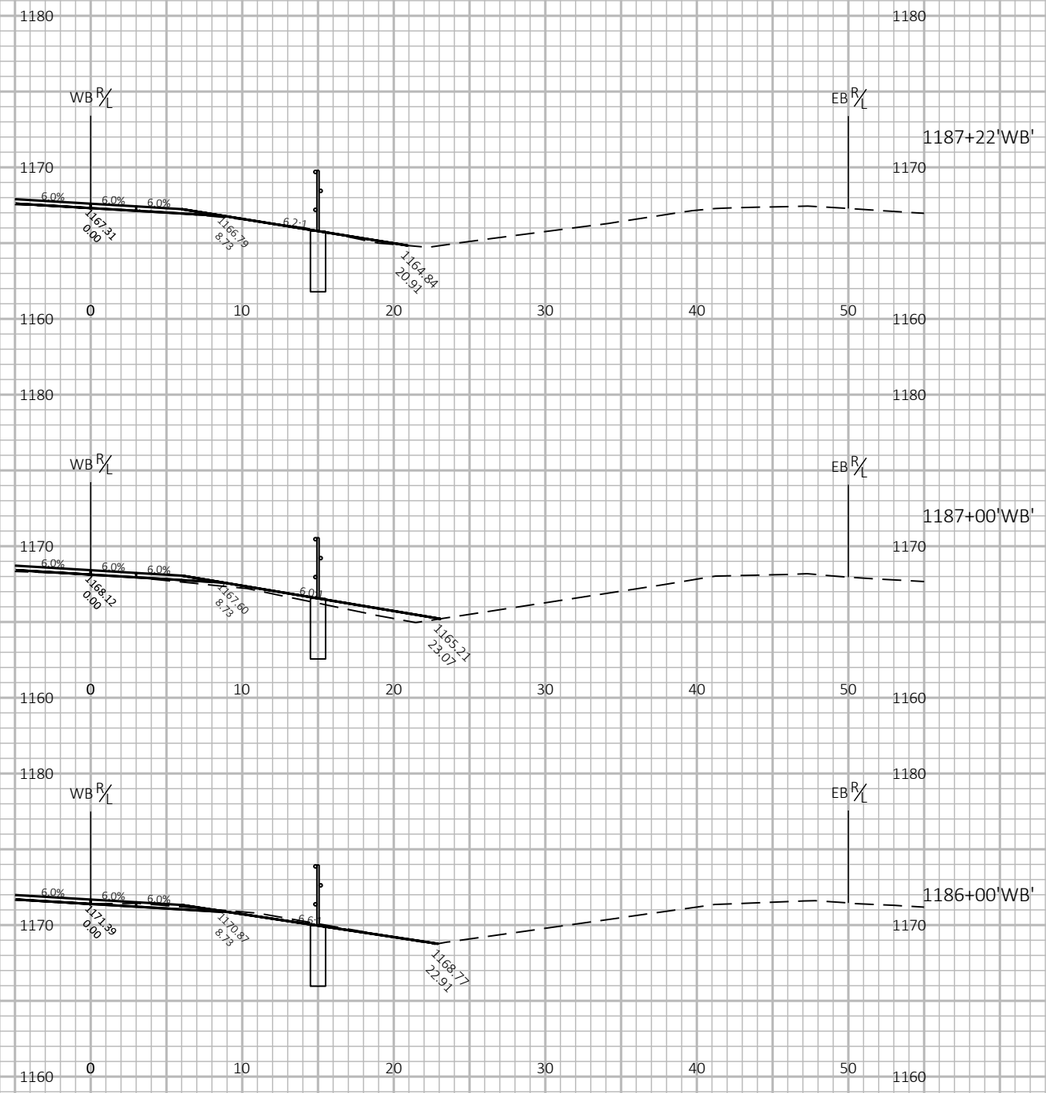
FILE NAME : P:\2018 PROJECTS\5018041 - WISDOT SWR US 18_151\CIVIL3D\SHEETSPLAN\1204-05-76\090201-XS (IOWA COUNTY).DWG
LAYOUT NAME - 8

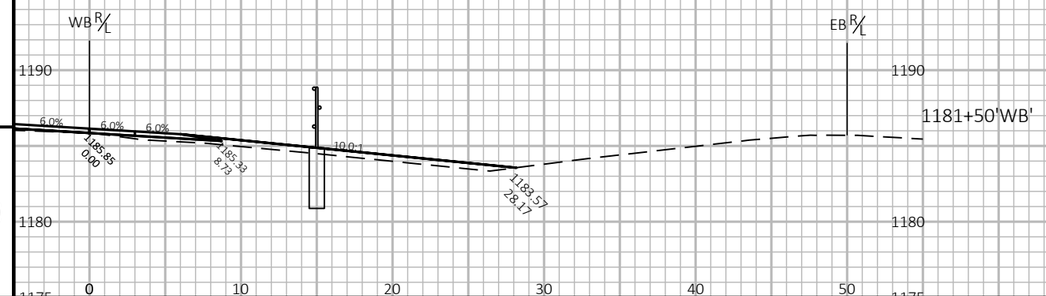
PLOT DATE : 12/9/2019 5:52 PM PLOT BY : BRETT PETERSON PLOT NAME :

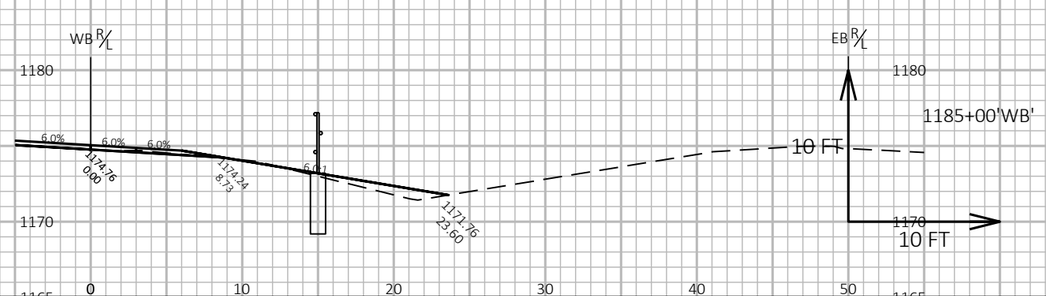
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49









9

9

PROJECT NO: 1204-05-76	HWY: USH 18	COUNTY: IOWA & DANE	CROSS SECTIONS: CROSS SECTIONS - IOWA COUNTY	SHEET 55	E

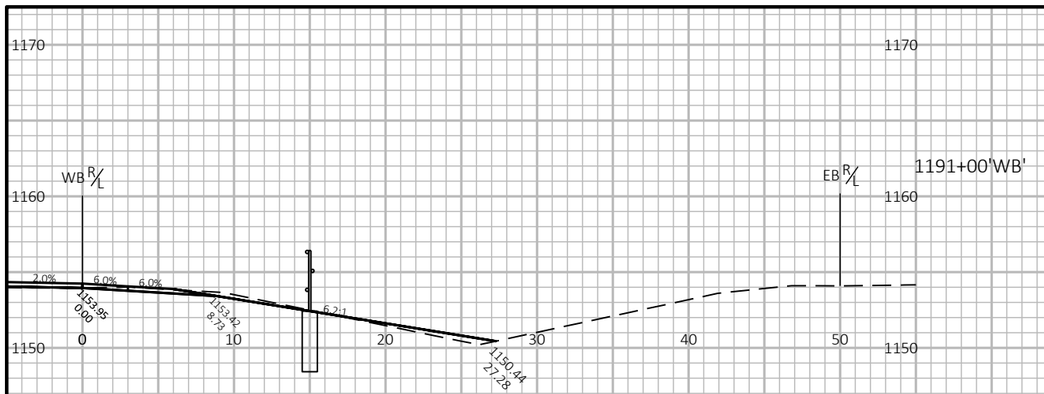
FILE NAME : P:\2018 PROJECTS\5018041 - WISDOT SWR US 18_151\CIVIL3D\SHEETSPLAN\1204-05-76\090201-XS (IOWA COUNTY).DWG
LAYOUT NAME - 9

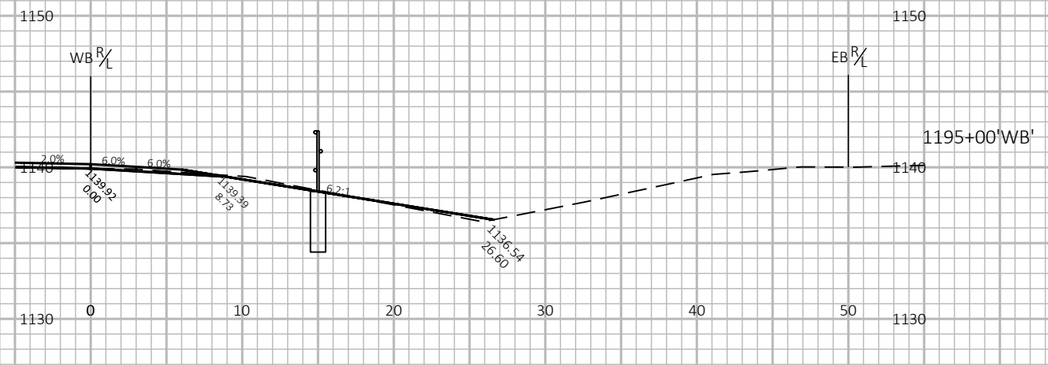
PLOT DATE : 12/9/2019 5:52 PM

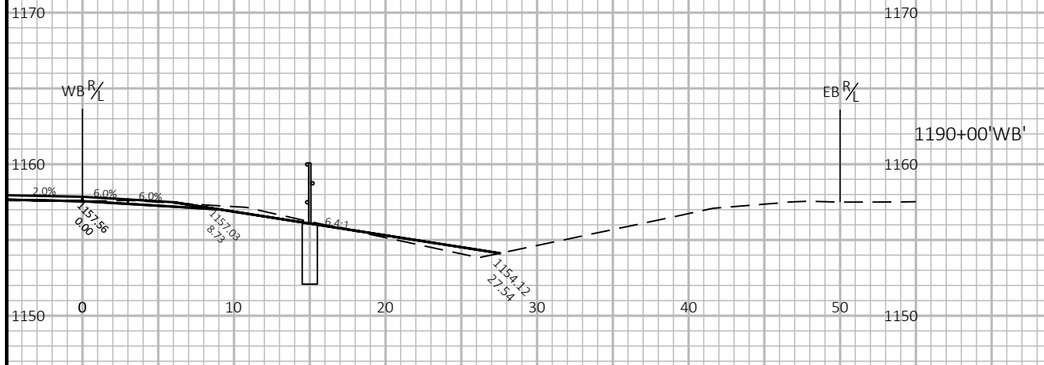
PLOT BY : BRETT PETERSON

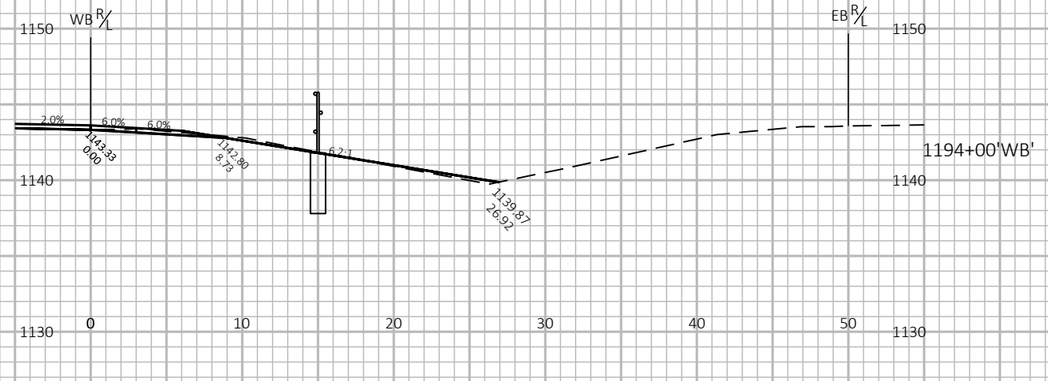
PLOT NAME :

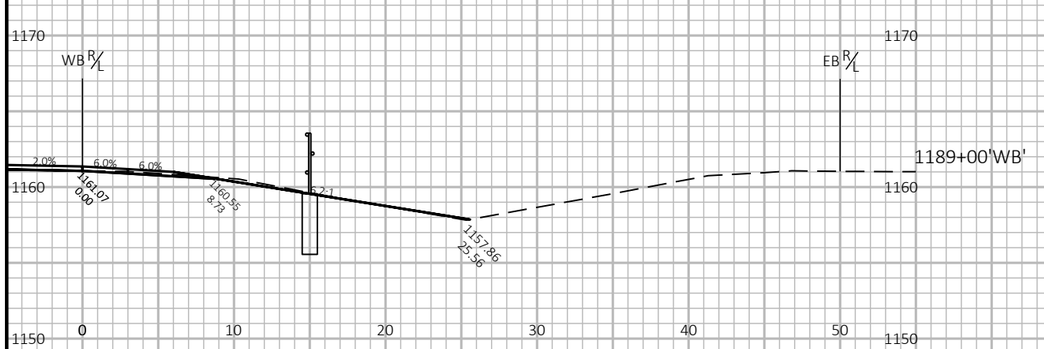
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

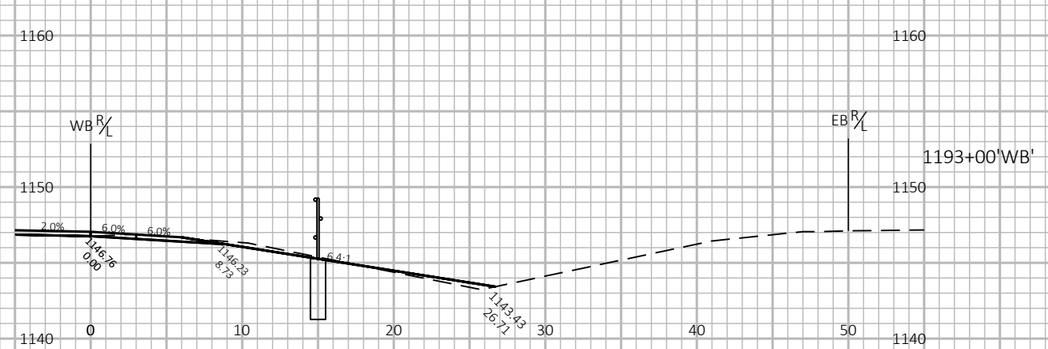


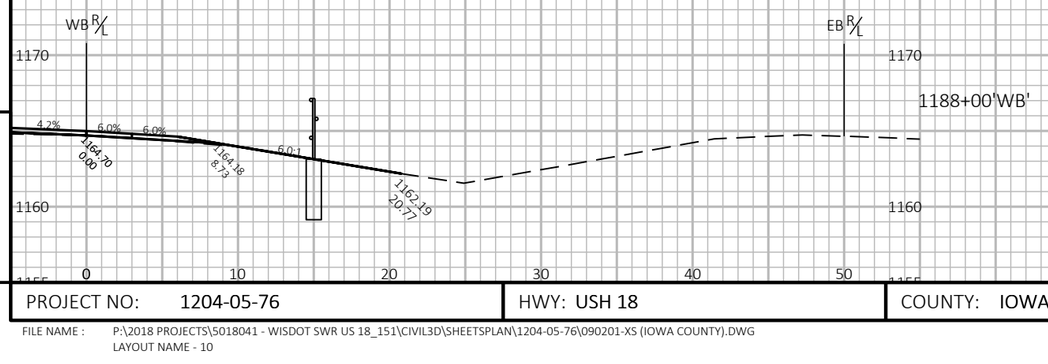


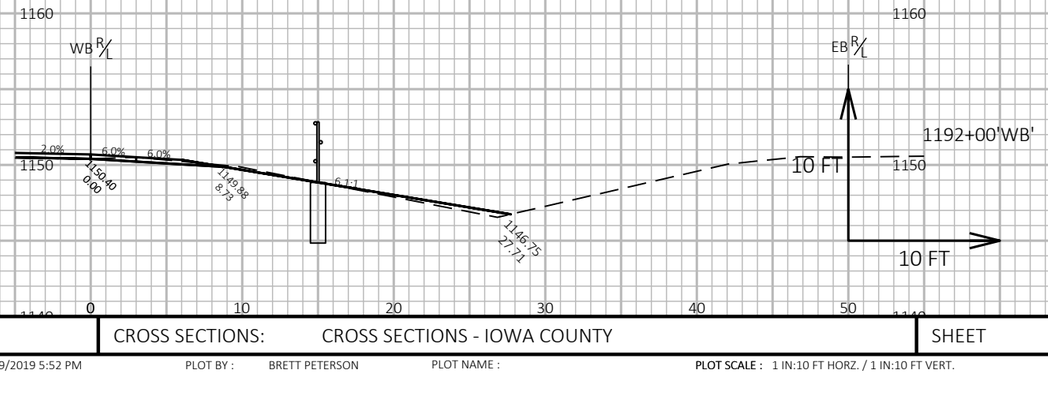












9

9

PROJECT NO: 1204-05-76	HWY: USH 18	COUNTY: IOWA & DANE	CROSS SECTIONS: CROSS SECTIONS - IOWA COUNTY	SHEET 56	E

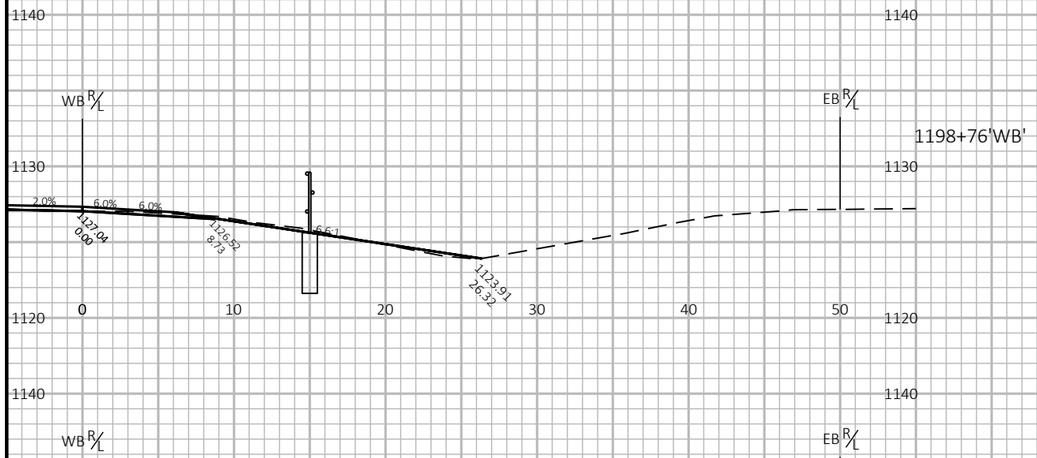
FILE NAME : P:\2018 PROJECTS\5018041 - WISDOT SWR US 18_151\CIVIL3D\SHEETSPLAN\1204-05-76\090201-XS (IOWA COUNTY).DWG
LAYOUT NAME - 10

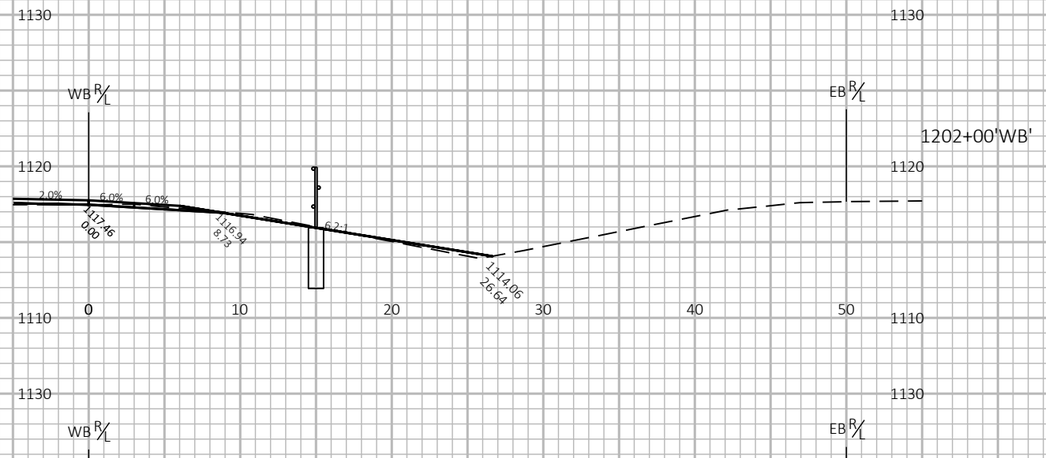
PLOT DATE : 12/9/2019 5:52 PM

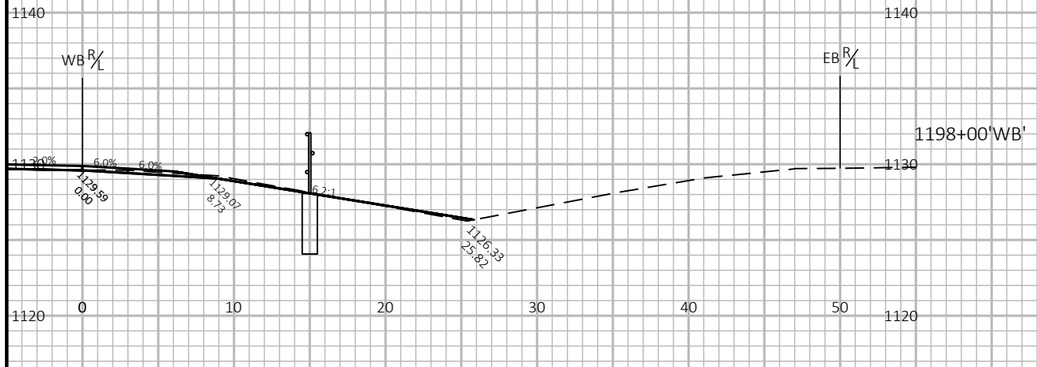
PLOT BY : BRETT PETERSON

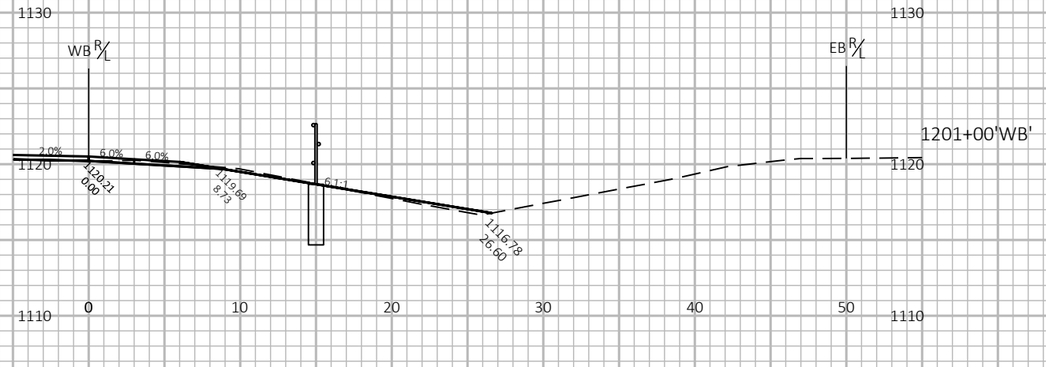
PLOT NAME :

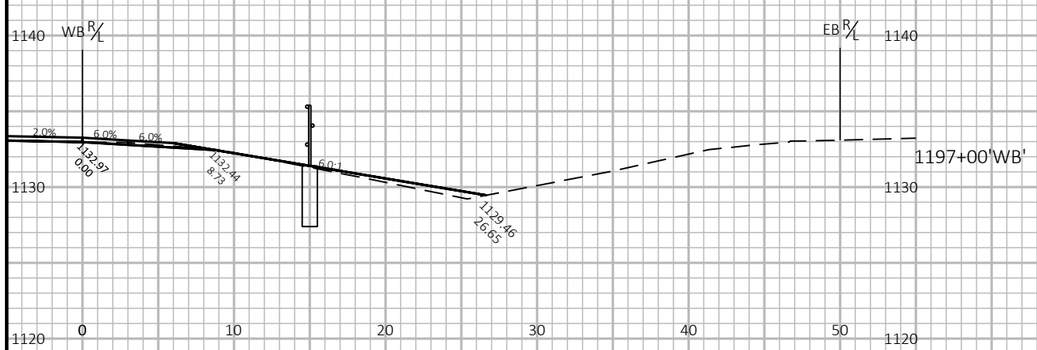
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

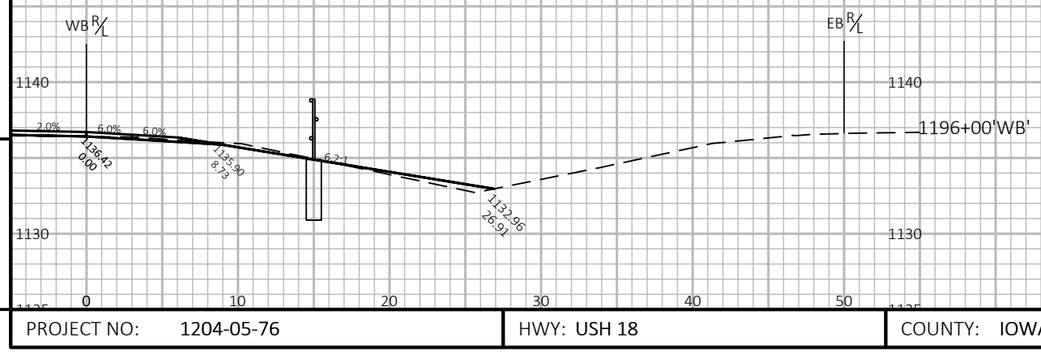


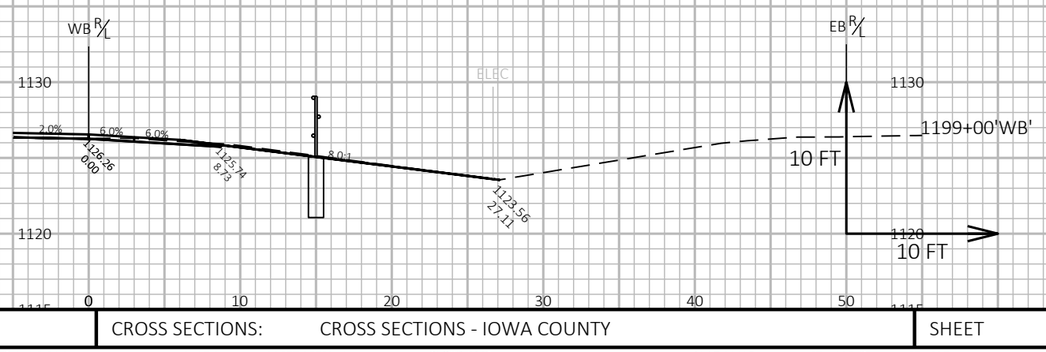












9

9

PROJECT NO: 1204-05-76	HWY: USH 18	COUNTY: IOWA & DANE	CROSS SECTIONS: CROSS SECTIONS - IOWA COUNTY	SHEET 57	E

FILE NAME : P:\2018 PROJECTS\5018041 - WISDOT SWR US 18_151\CIVIL3D\SHEETSPLAN\1204-05-76\090201-XS (IOWA COUNTY).DWG
LAYOUT NAME - 11

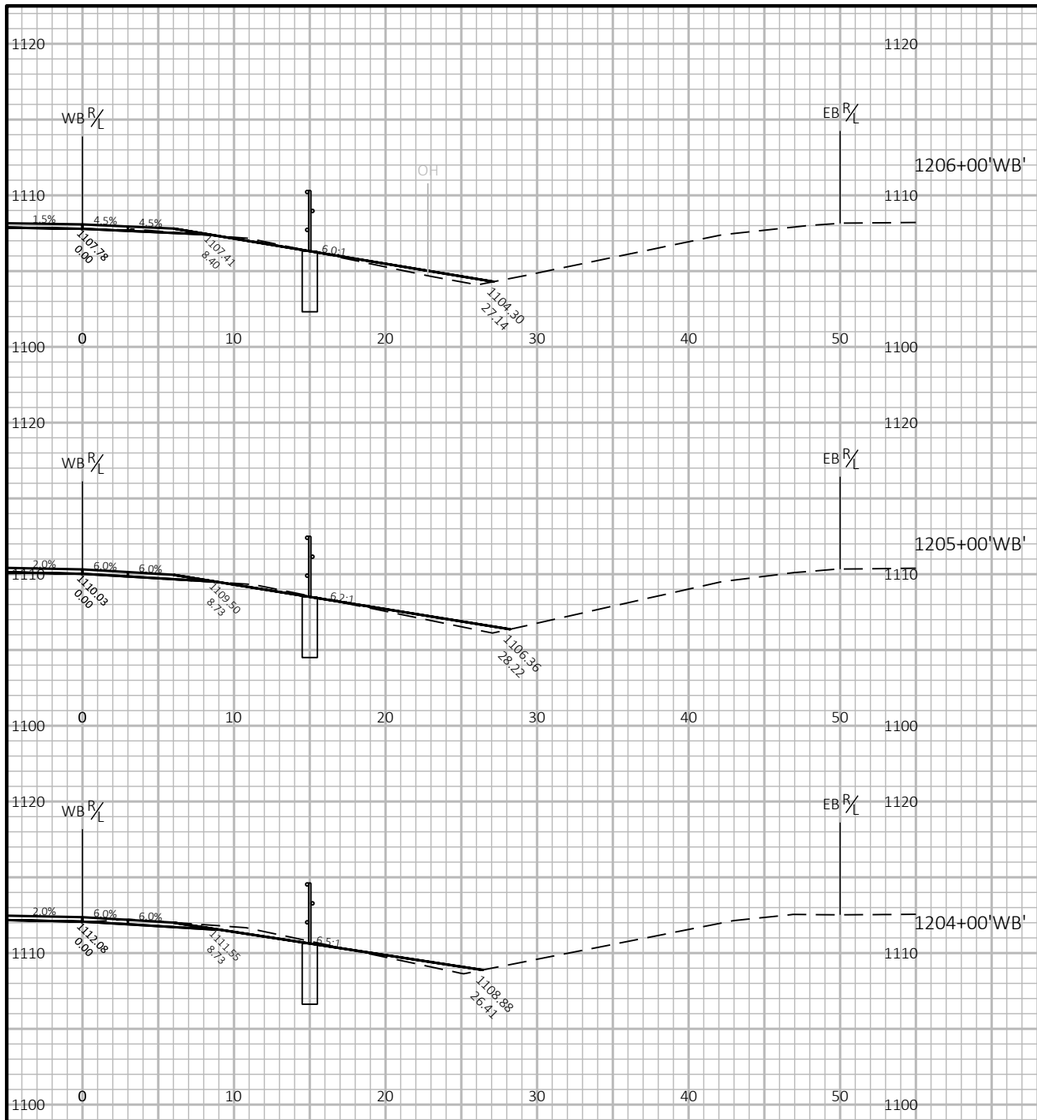
PLOT DATE : 12/9/2019 5:53 PM

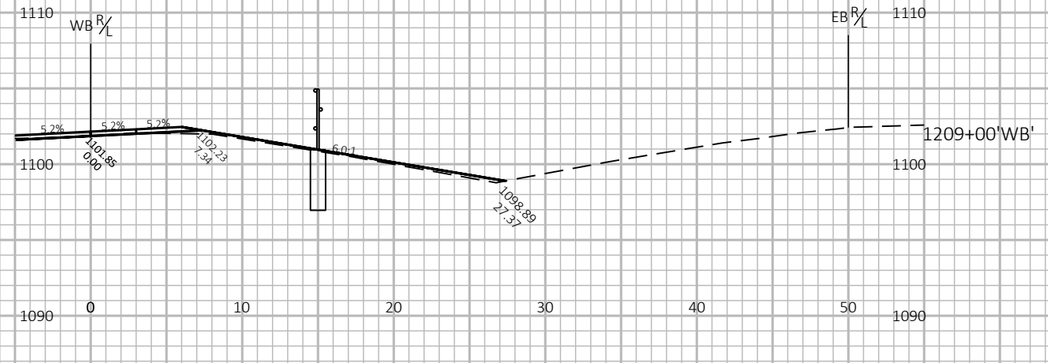
PLOT BY : BRETT PETERSON

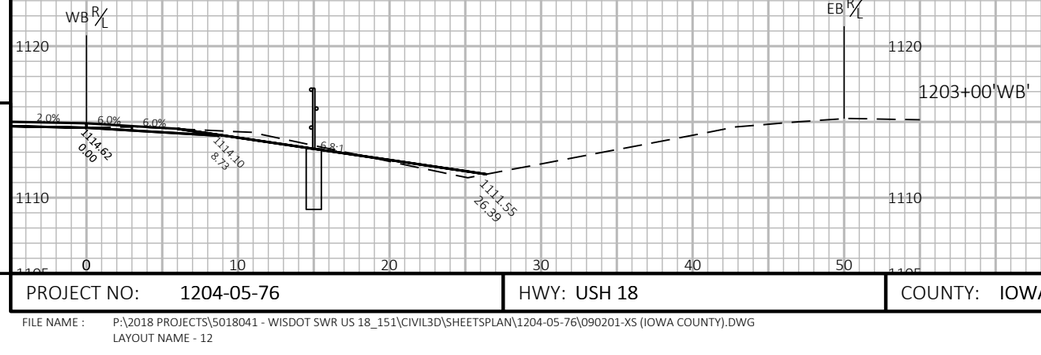
PLOT NAME :

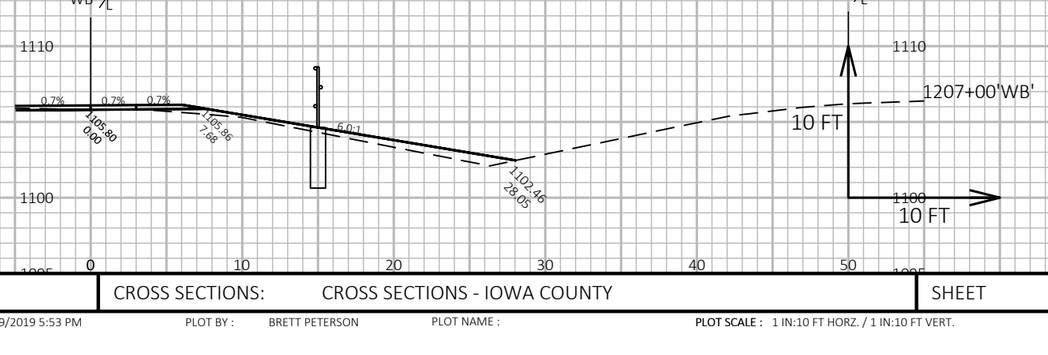
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49









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9

PROJECT NO: 1204-05-76	HWY: USH 18	COUNTY: IOWA & DANE	CROSS SECTIONS: CROSS SECTIONS - IOWA COUNTY	SHEET 58	E

FILE NAME : P:\2018 PROJECTS\5018041 - WISDOT SWR US 18_151\CIVIL3D\SHEETSPLAN\1204-05-76\090201-XS (IOWA COUNTY).DWG
LAYOUT NAME - 12

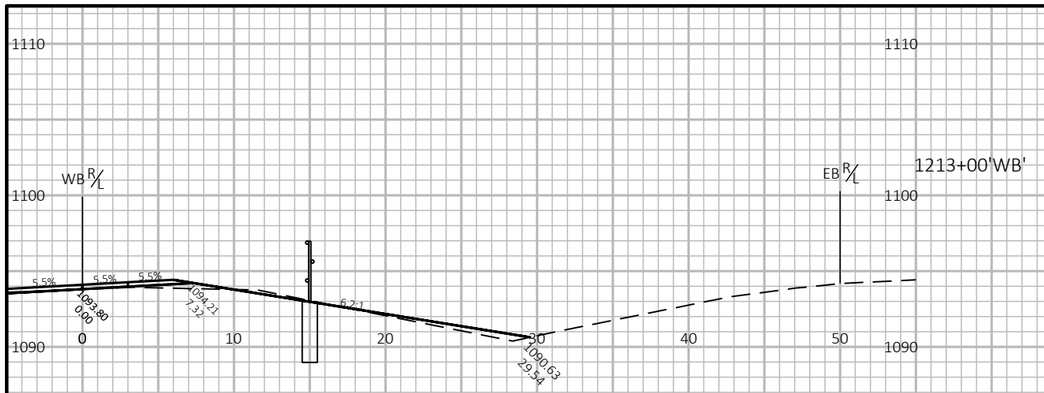
PLOT DATE : 12/9/2019 5:53 PM

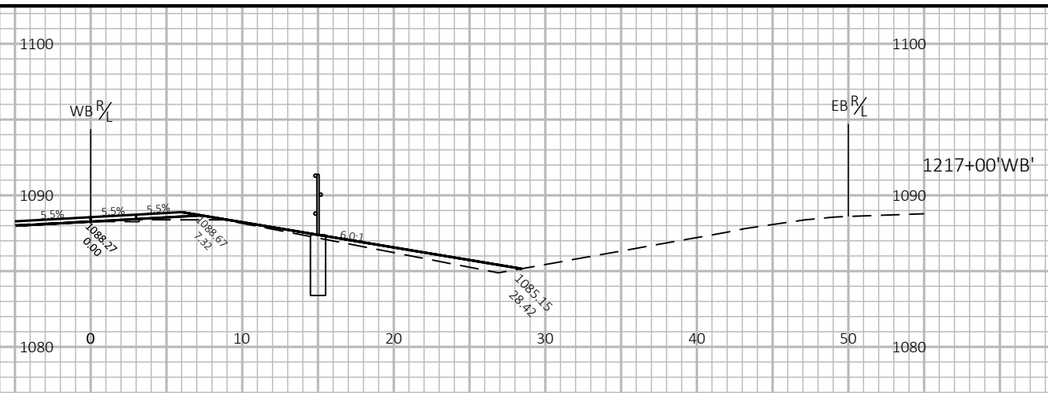
PLOT BY : BRETT PETERSON

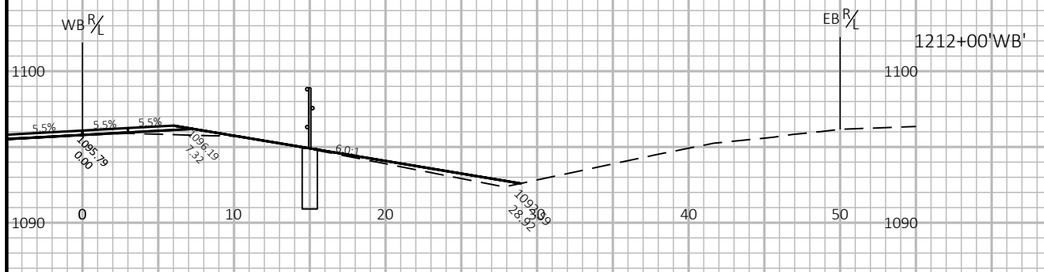
PLOT NAME :

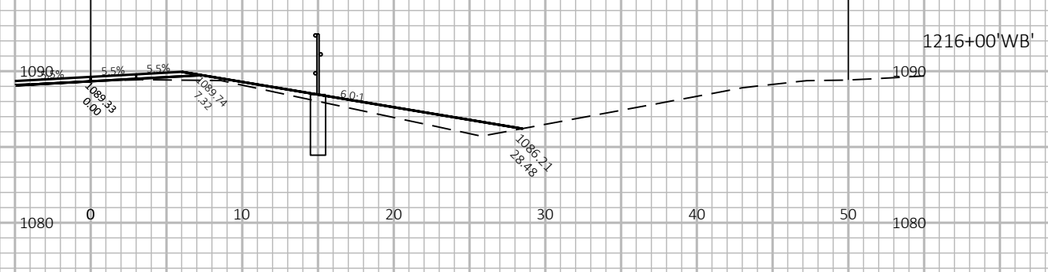
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

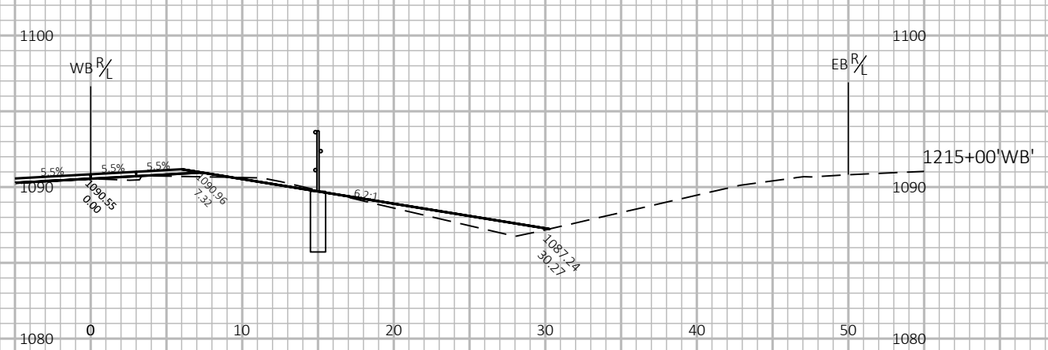
WISDOT/CADDS SHEET 49

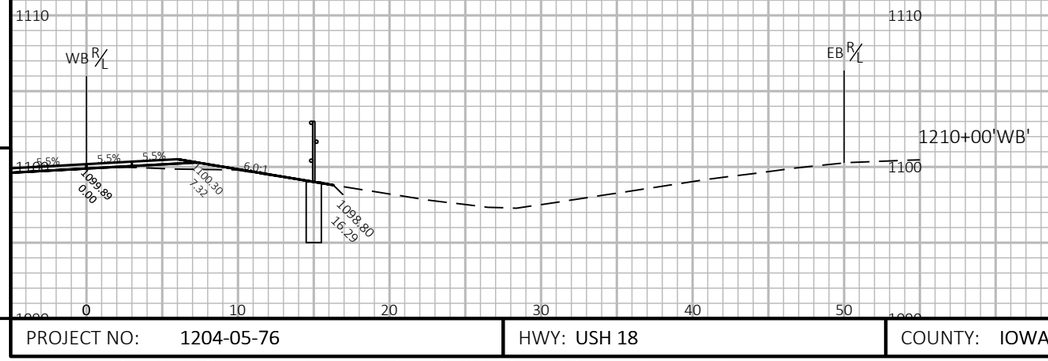


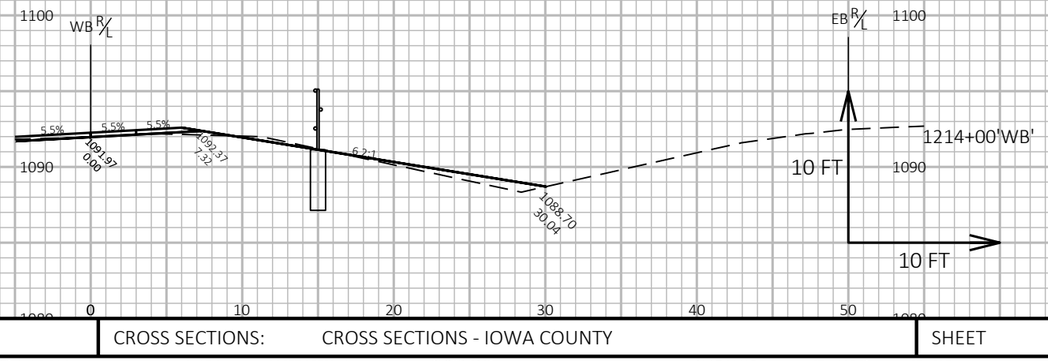












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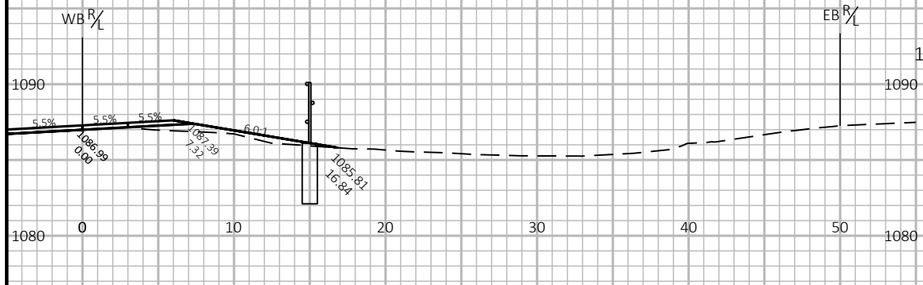
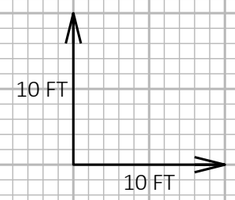
PROJECT NO: 1204-05-76	HWY: USH 18	COUNTY: IOWA & DANE	CROSS SECTIONS: CROSS SECTIONS - IOWA COUNTY	SHEET 59	E

FILE NAME : P:\2018 PROJECTS\5018041 - WISDOT SWR US 18_151\CIVIL3D\SHEETSPLAN\1204-05-76\090201-XS (IOWA COUNTY).DWG
LAYOUT NAME - 13

PLOT DATE : 12/9/2019 5:53 PM PLOT BY : BRETT PETERSON PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.





9

9

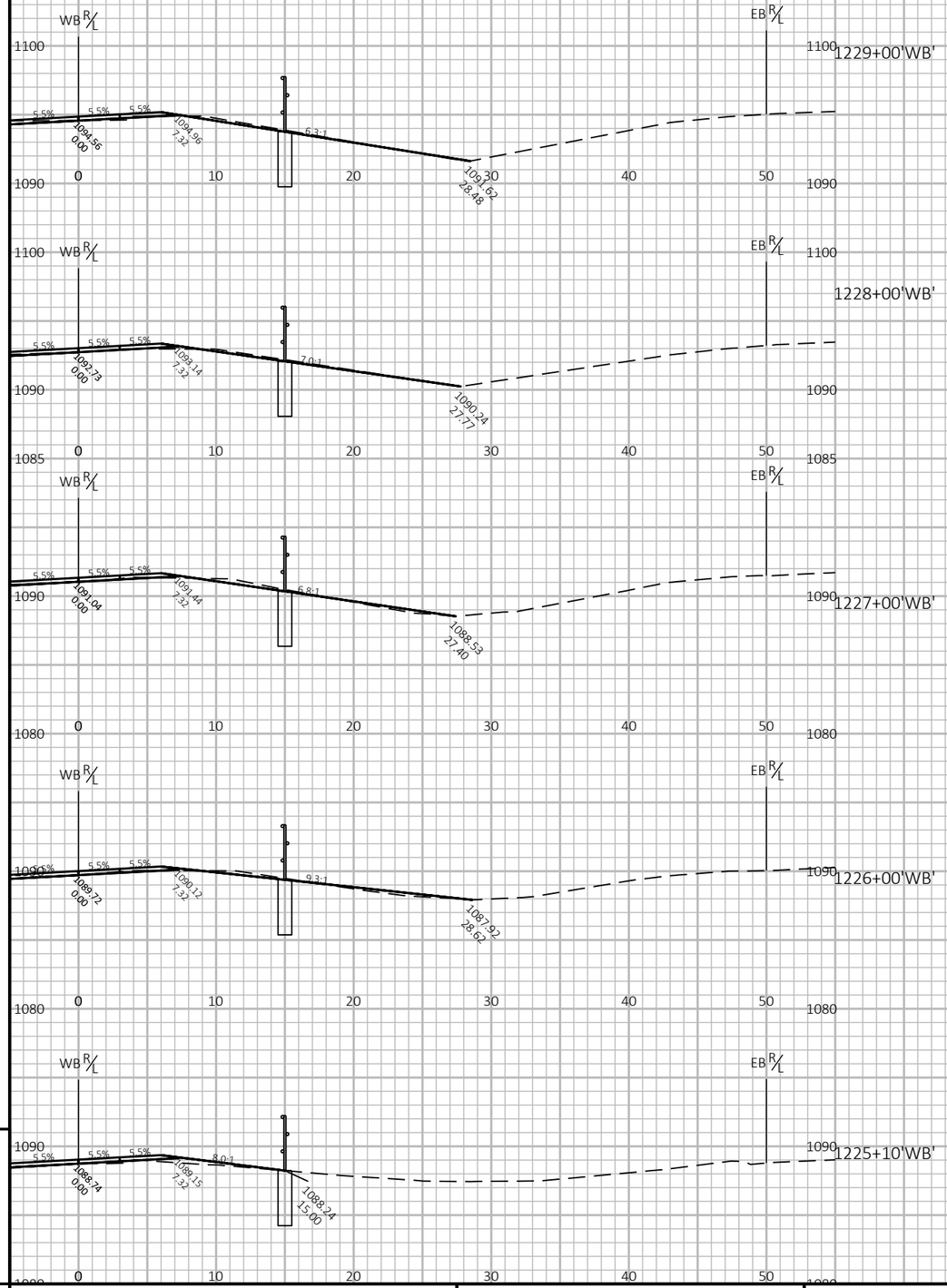
PROJECT NO: 1204-05-76	HWY: USH 18	COUNTY: IOWA & DANE	CROSS SECTIONS: CROSS SECTIONS - IOWA COUNTY	SHEET 60	E

FILE NAME : P:\2018 PROJECTS\5018041 - WISDOT SWR US 18_151\CIVIL3D\SHEETSPLAN\1204-05-76\090201-XS (IOWA COUNTY).DWG
LAYOUT NAME - 14

PLOT DATE : 12/9/2019 5:54 PM PLOT BY : BRETT PETERSON PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 1204-05-76	HWY: USH 18	COUNTY: IOWA & DANE	CROSS SECTIONS: CROSS SECTIONS - IOWA COUNTY	SHEET 61	E

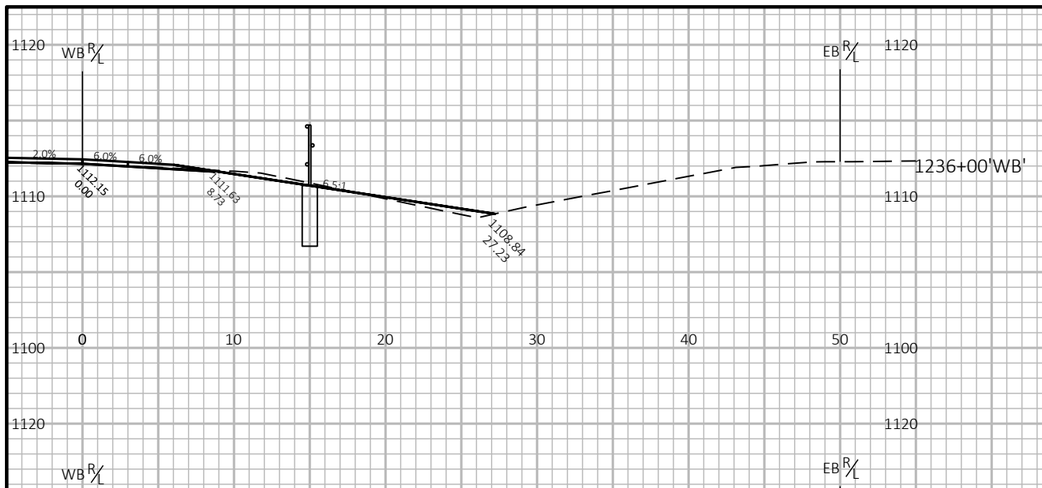
FILE NAME : P:\2018 PROJECTS\5018041 - WISDOT SWR US 18_151\CIVIL3D\SHEETSPLAN\1204-05-76\090201-XS (IOWA COUNTY).DWG
LAYOUT NAME - 15

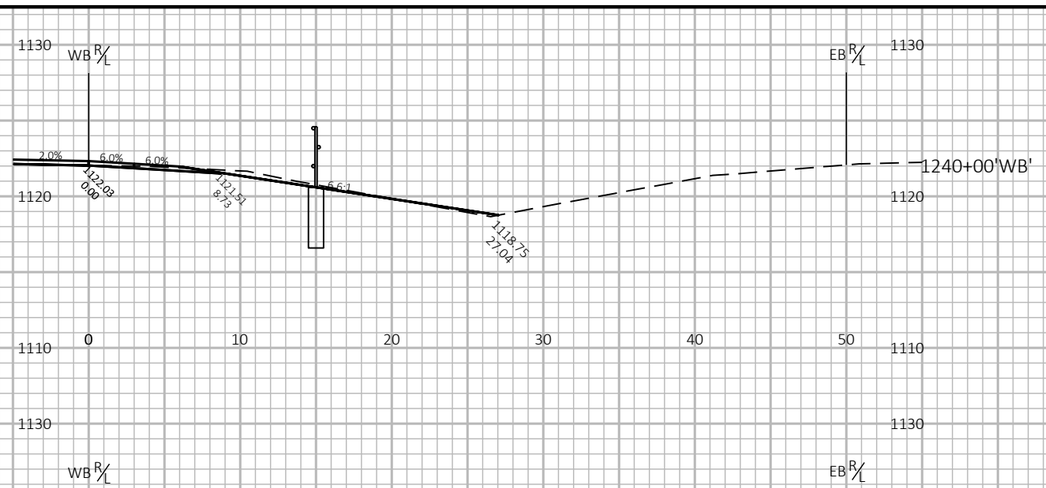
PLOT DATE : 12/9/2019 5:54 PM

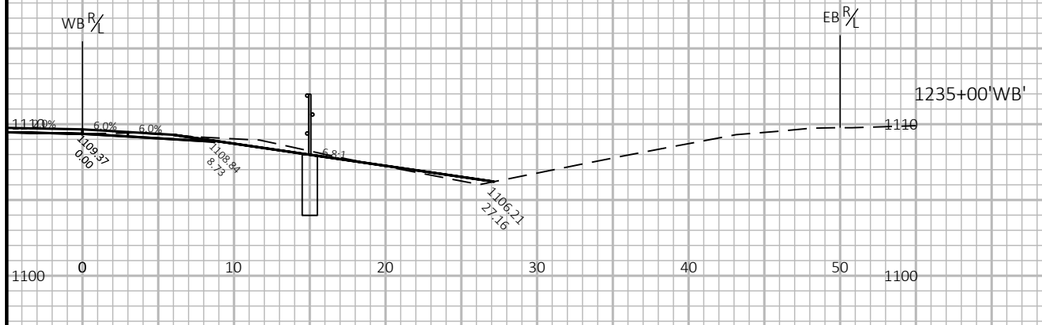
PLOT BY : BRETT PETERSON

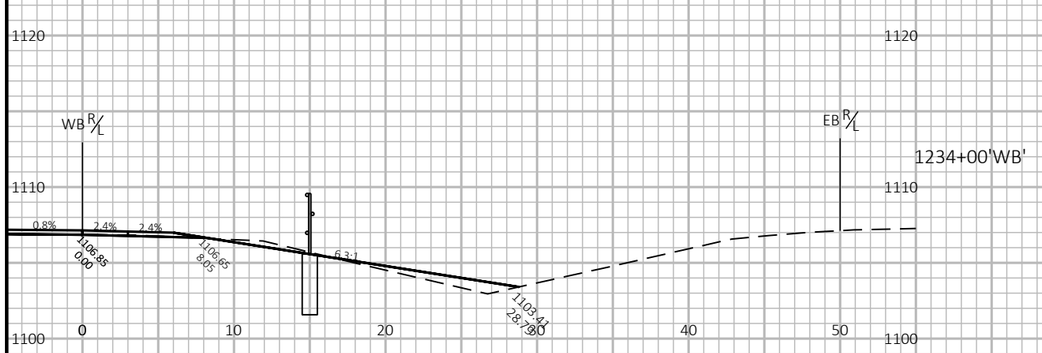
PLOT NAME :

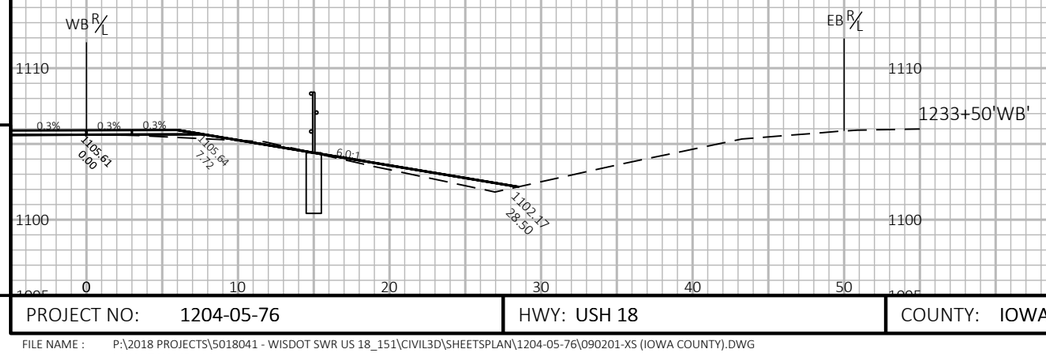
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

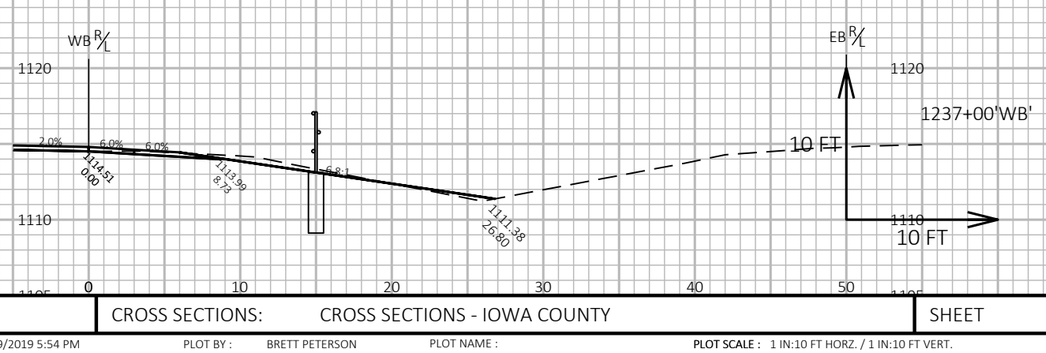












9

9

PROJECT NO: 1204-05-76	HWY: USH 18	COUNTY: IOWA & DANE	CROSS SECTIONS: CROSS SECTIONS - IOWA COUNTY	SHEET 62	E

FILE NAME : P:\2018 PROJECTS\5018041 - WISDOT SWR US 18_151\CIVIL3D\SHEETSPLAN\1204-05-76\090201-XS (IOWA COUNTY).DWG
LAYOUT NAME - 16

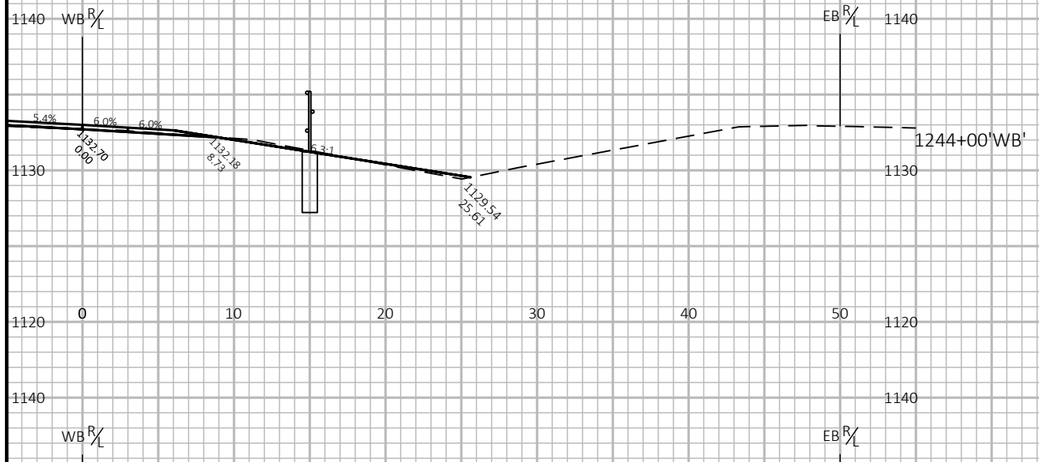
PLOT DATE : 12/9/2019 5:54 PM

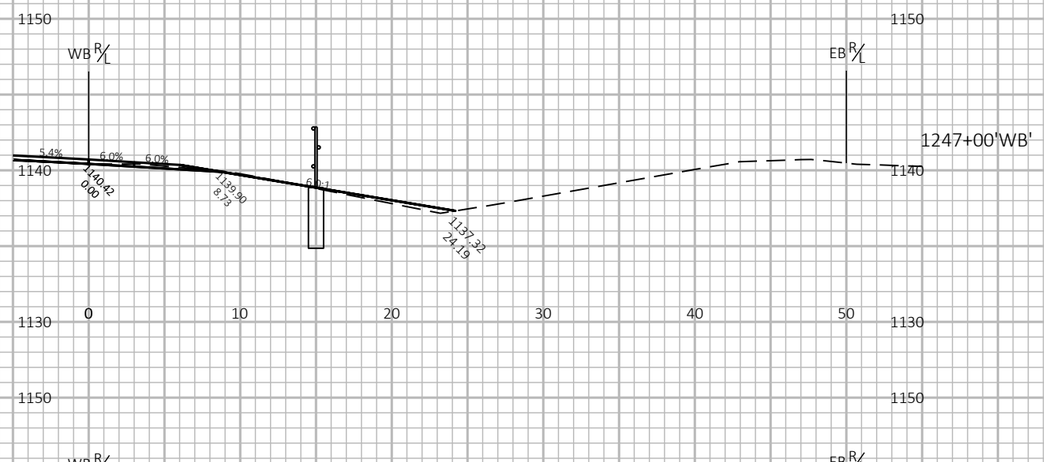
PLOT BY : BRETT PETERSON

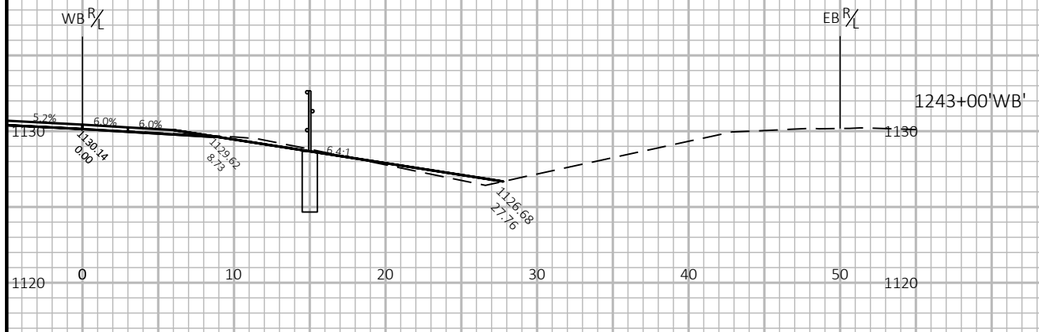
PLOT NAME :

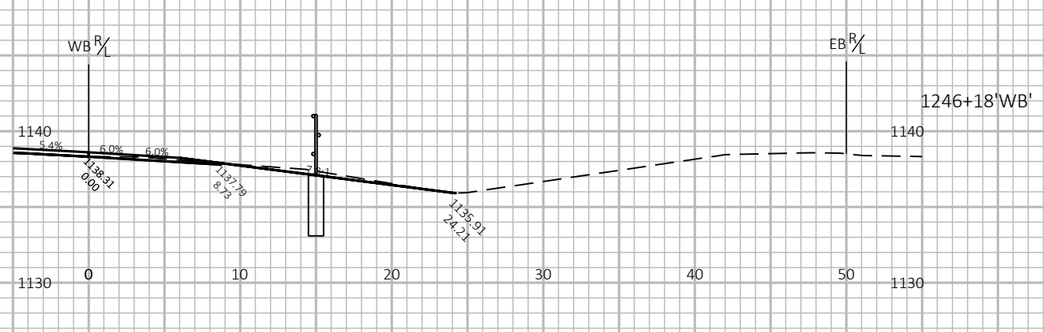
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

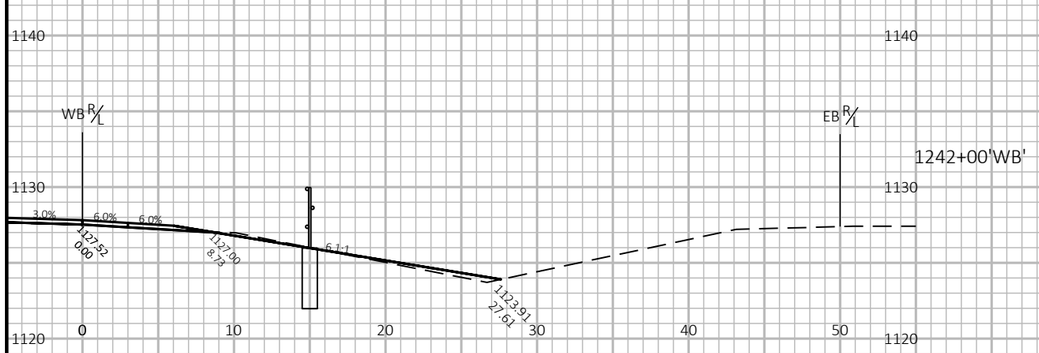
WISDOT/CADDS SHEET 49

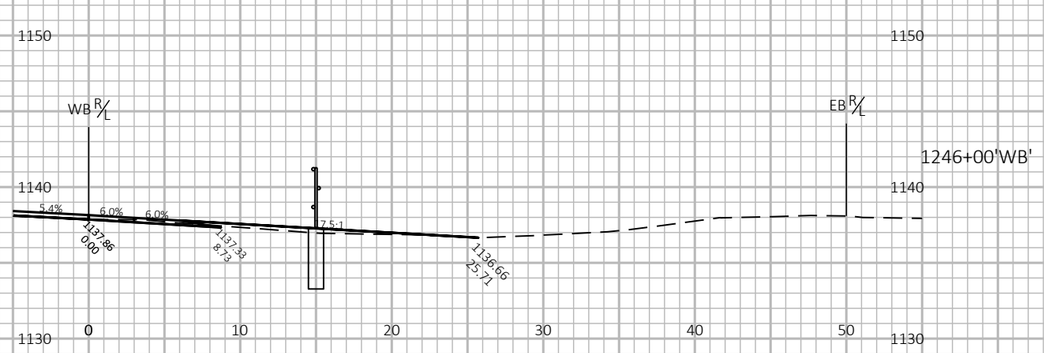












9

9

PROJECT NO: 1204-05-76	HWY: USH 18	COUNTY: IOWA & DANE	CROSS SECTIONS: CROSS SECTIONS - IOWA COUNTY	SHEET 63	E

FILE NAME : P:\2018 PROJECTS\5018041 - WISDOT SWR US 18_151\CIVIL3D\SHEETSPLAN\1204-05-76\090201-XS (IOWA COUNTY).DWG
LAYOUT NAME - 17

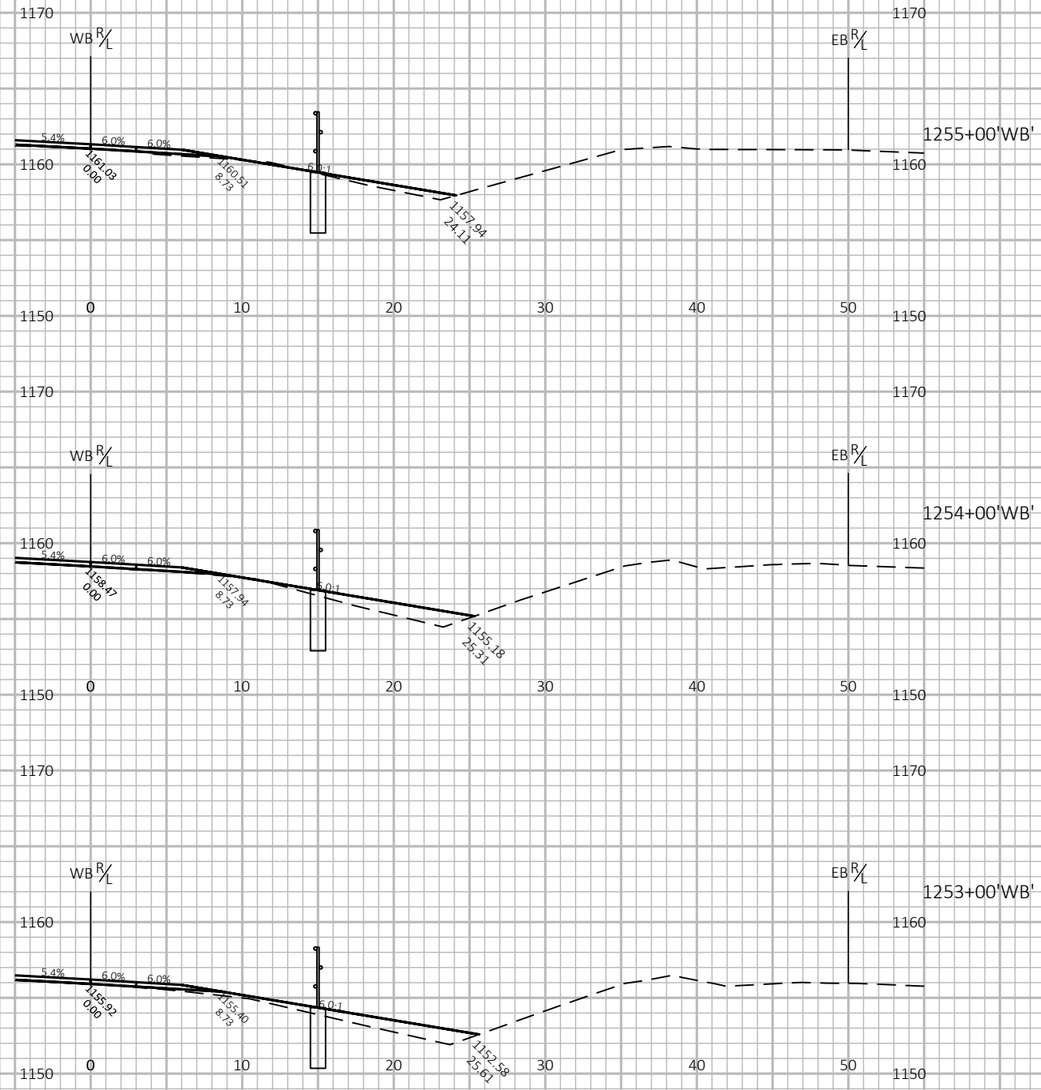
PLOT DATE : 12/9/2019 5:55 PM

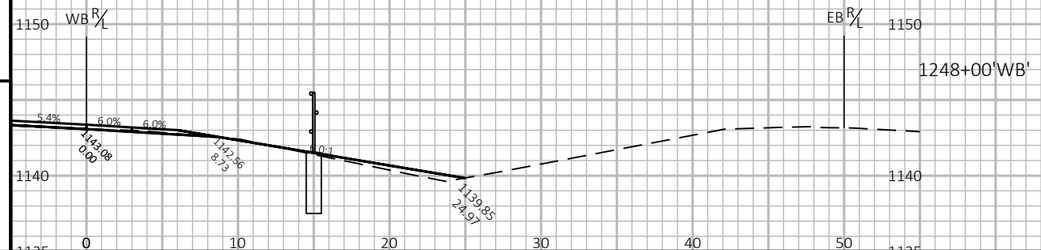
PLOT BY : BRETT PETERSON

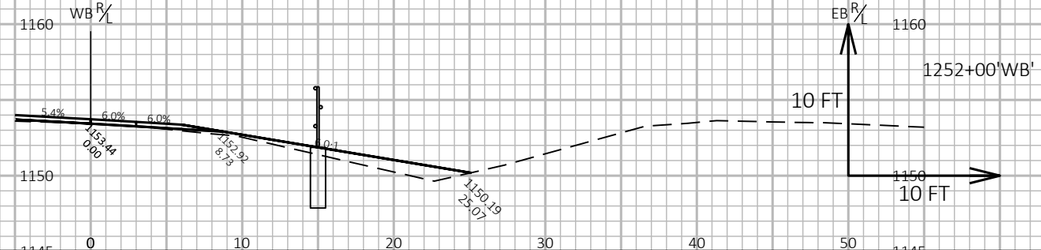
PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49







9

9

PROJECT NO: 1204-05-76	HWY: USH 18	COUNTY: IOWA & DANE	CROSS SECTIONS: CROSS SECTIONS - IOWA COUNTY	SHEET 64	E

FILE NAME : P:\2018 PROJECTS\5018041 - WISDOT SWR US 18_151\CIVIL3D\SHEETSPLAN\1204-05-76\090201-XS (IOWA COUNTY).DWG
LAYOUT NAME - 18

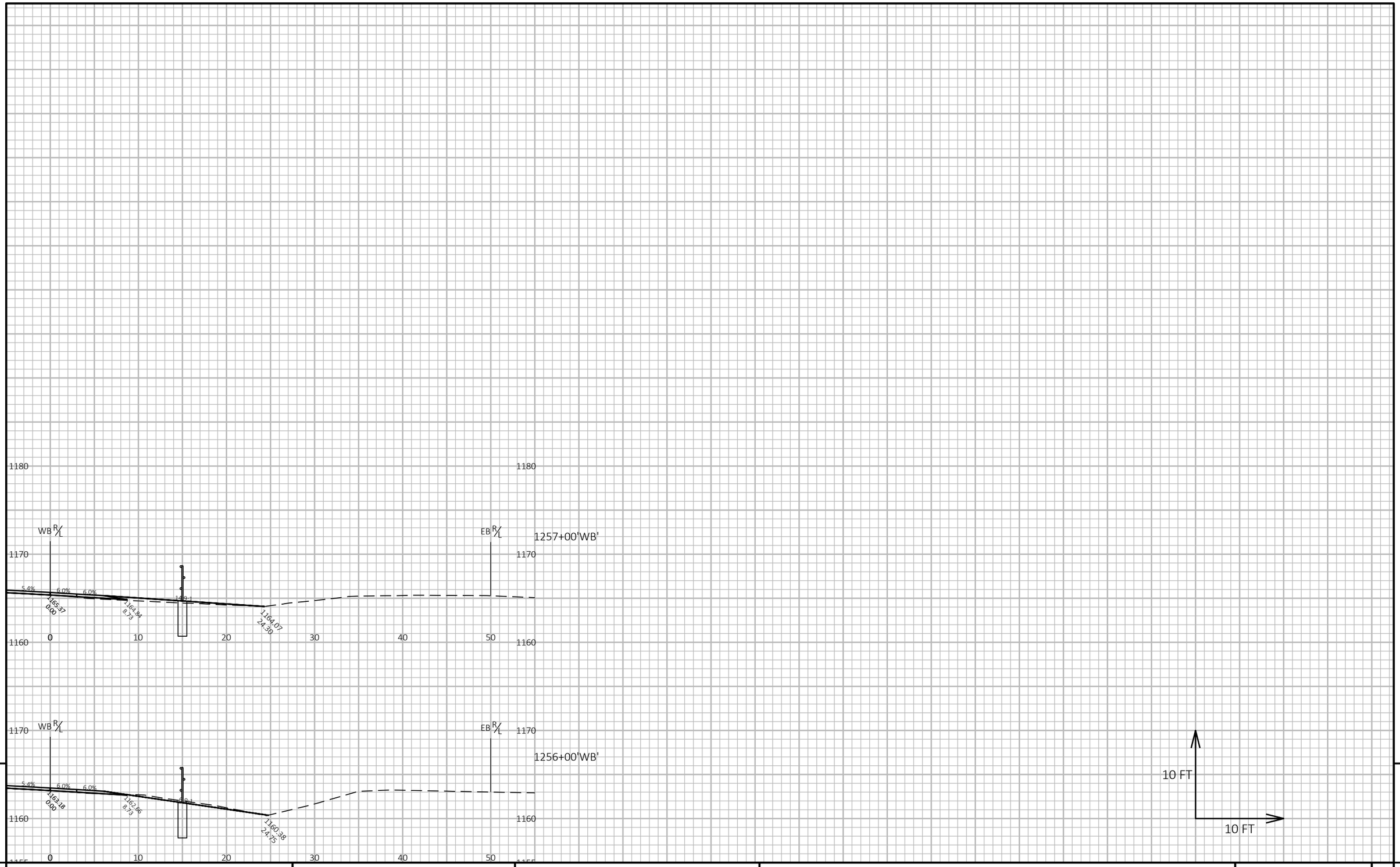
PLOT DATE : 12/9/2019 5:55 PM

PLOT BY : BRETT PETERSON

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

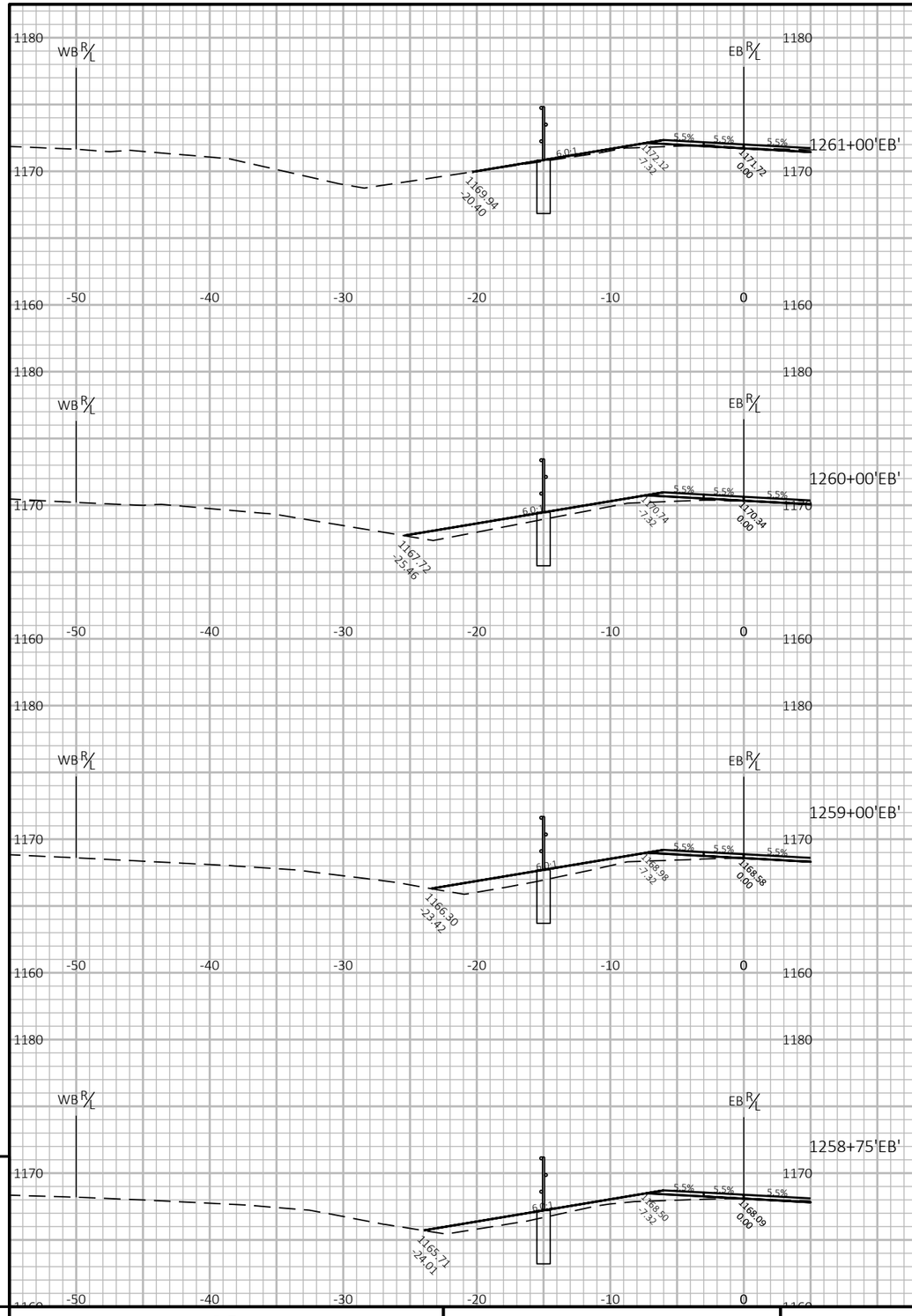
9

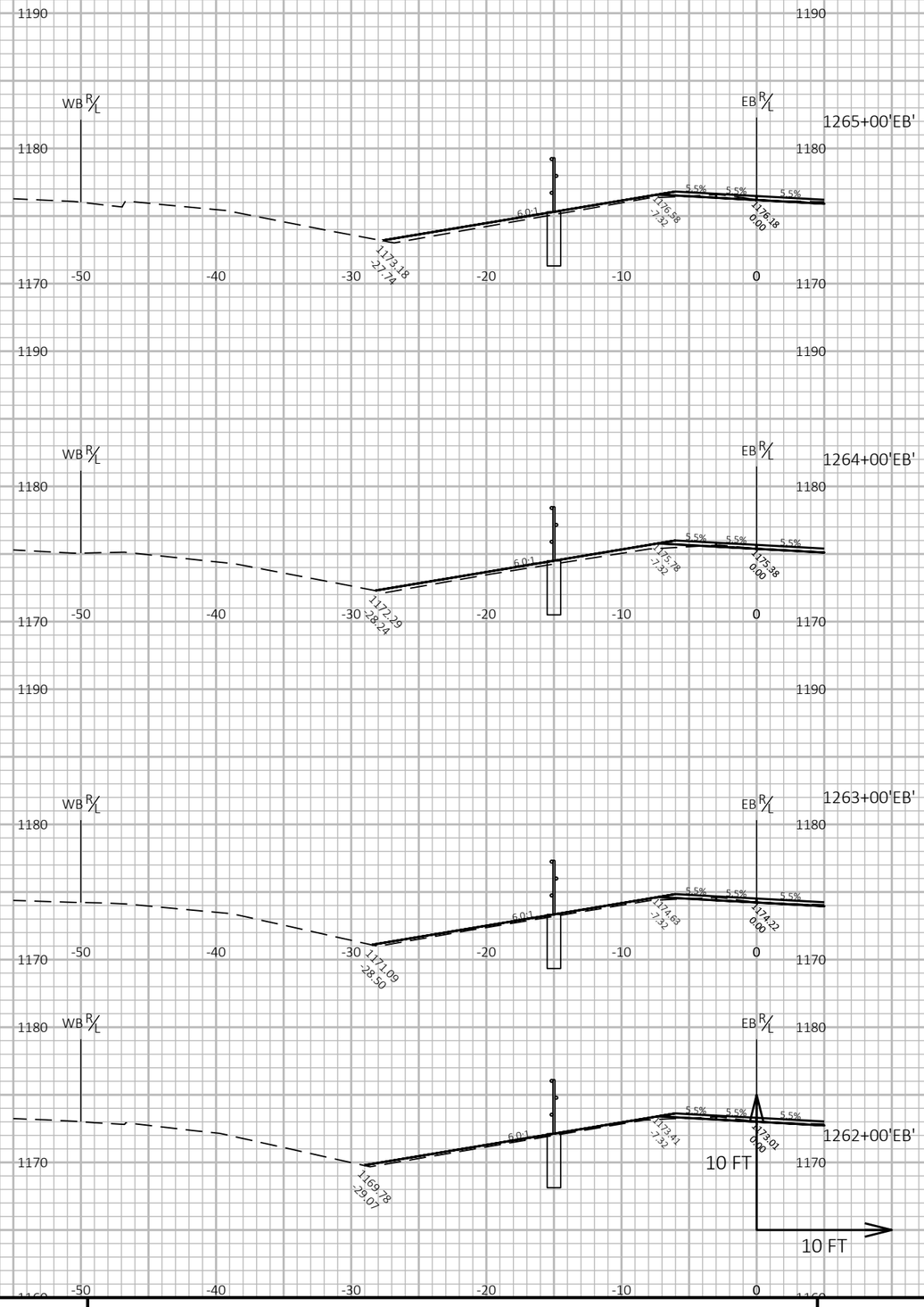
PROJECT NO: 1204-05-76	HWY: USH 18	COUNTY: IOWA & DANE	CROSS SECTIONS: CROSS SECTIONS - IOWA COUNTY	SHEET 65	E

FILE NAME : P:\2018 PROJECTS\5018041 - WISDOT SWR US 18_151\CIVIL3D\SHEETSPLAN\1204-05-76\090201-XS (IOWA COUNTY).DWG
LAYOUT NAME - 19

PLOT DATE : 12/9/2019 5:55 PM PLOT BY : BRETT PETERSON PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49





9

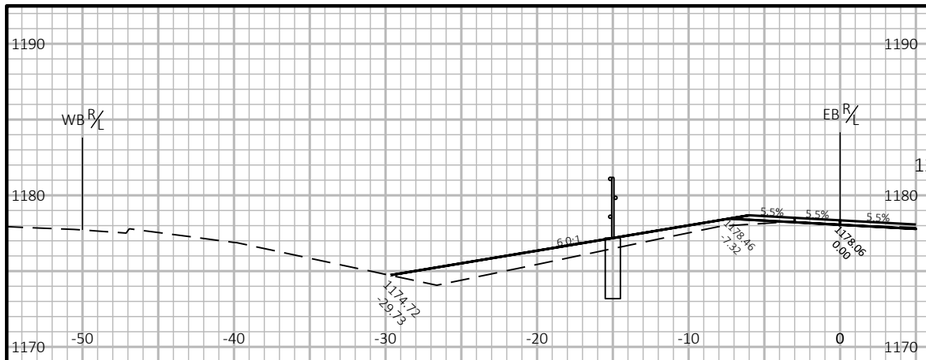
9

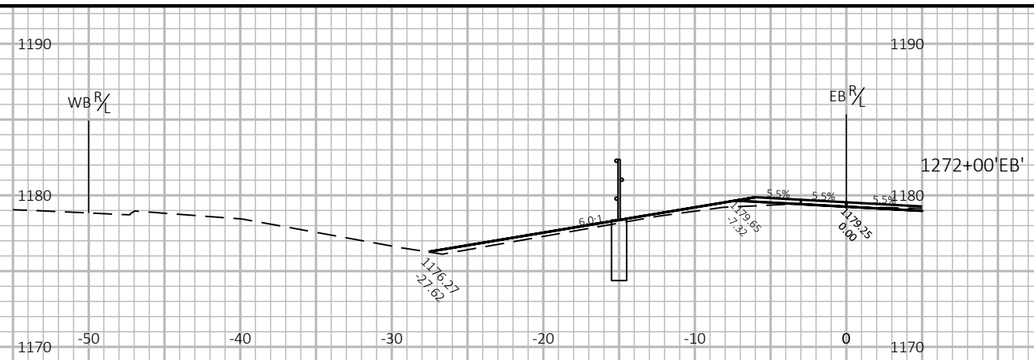
PROJECT NO: 1204-05-76	HWY: USH 18	COUNTY: IOWA & DANE	CROSS SECTIONS: CROSS SECTIONS - IOWA COUNTY	SHEET 66	E

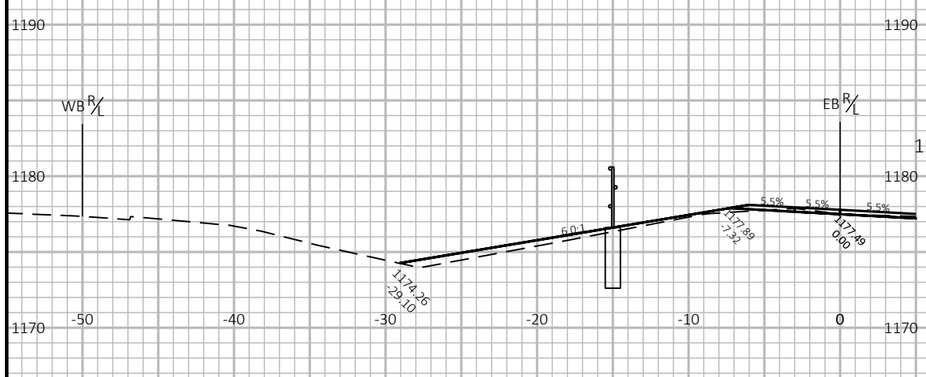
FILE NAME : P:\2018 PROJECTS\5018041 - WISDOT SWR US 18_151\CIVIL3D\SHEETSPLAN\1204-05-76\090201-XS (IOWA COUNTY).DWG
LAYOUT NAME - 20

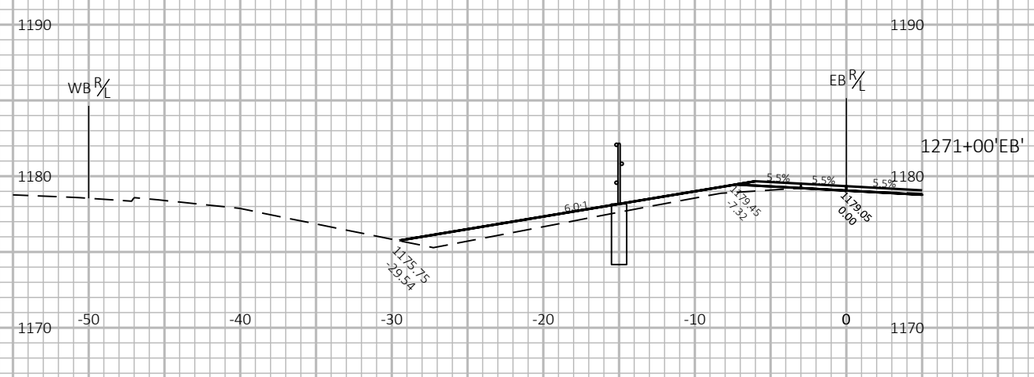
PLOT DATE : 12/9/2019 5:56 PM PLOT BY : BRETT PETERSON PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

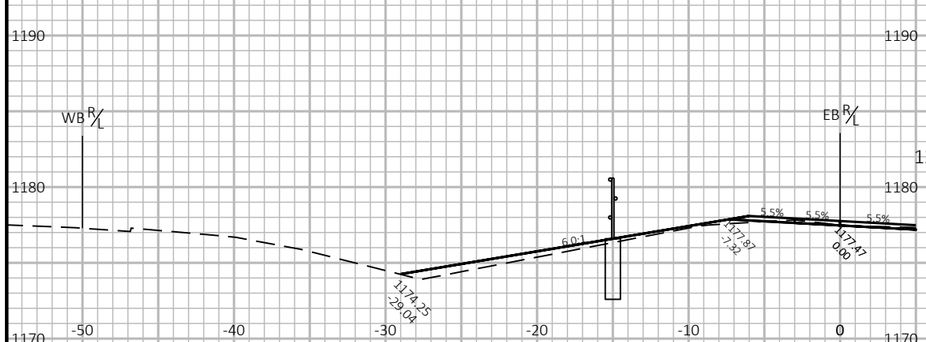
WISDOT/CADDS SHEET 49

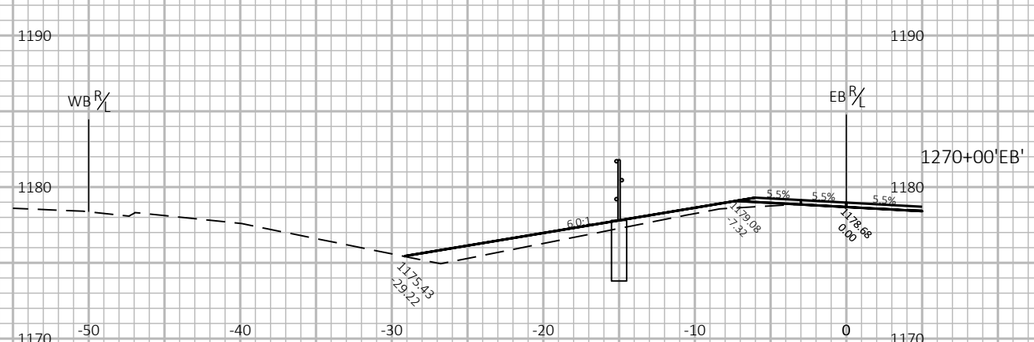


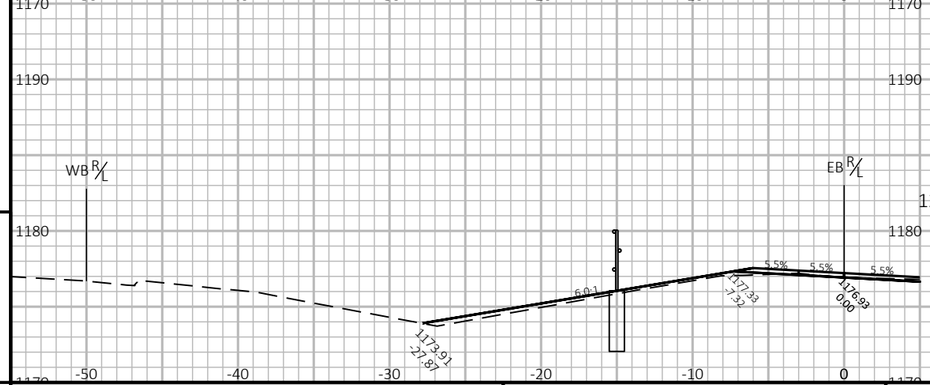


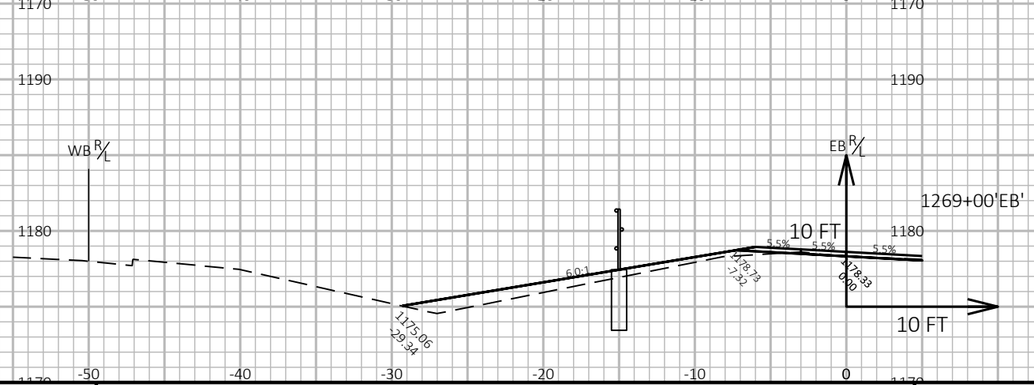












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PROJECT NO: 1204-05-76	HWY: USH 18	COUNTY: IOWA & DANE	CROSS SECTIONS: CROSS SECTIONS - IOWA COUNTY	SHEET 67	E

FILE NAME : P:\2018 PROJECTS\5018041 - WISDOT SWR US 18_151\CIVIL3D\SHEETSPLAN\1204-05-76\090201-XS (IOWA COUNTY).DWG
LAYOUT NAME - 21

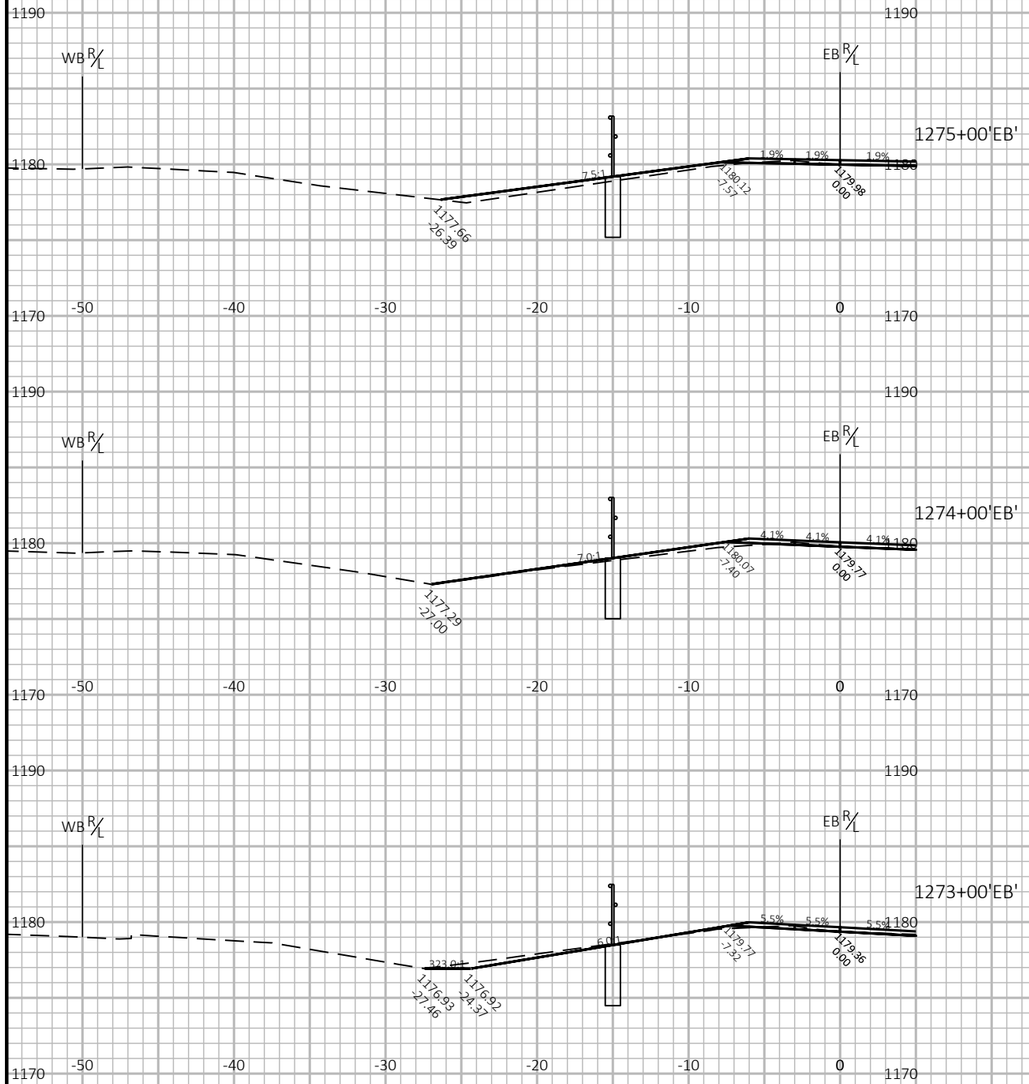
PLOT DATE : 12/9/2019 5:56 PM

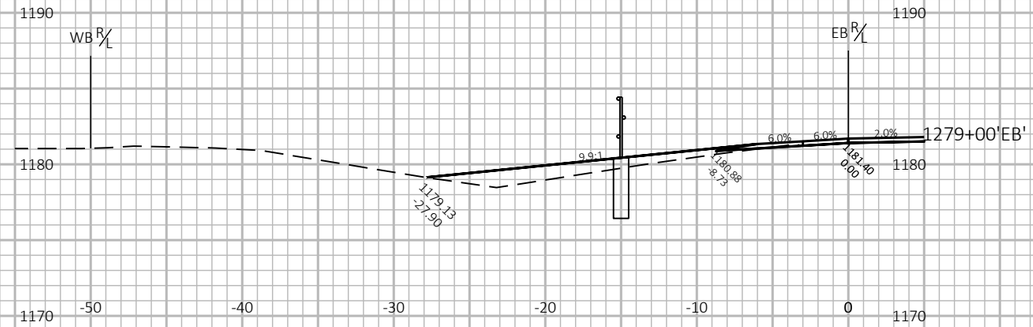
PLOT BY : BRETT PETERSON

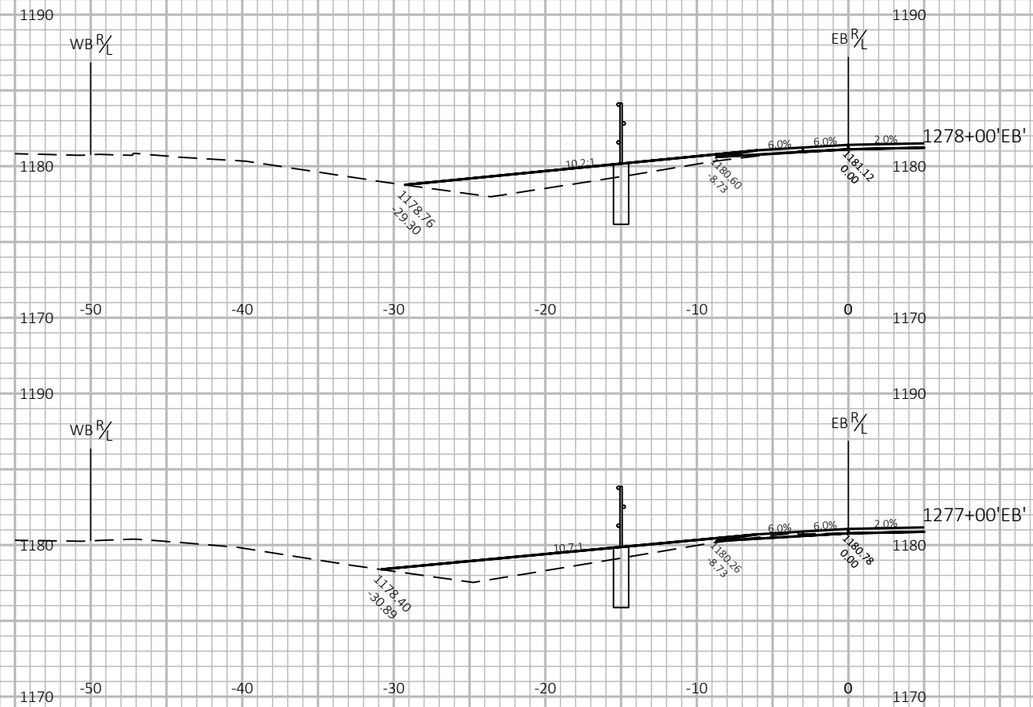
PLOT NAME :

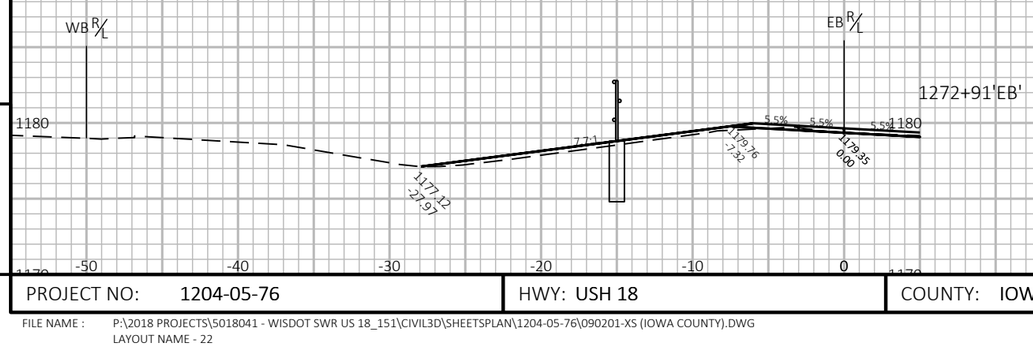
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

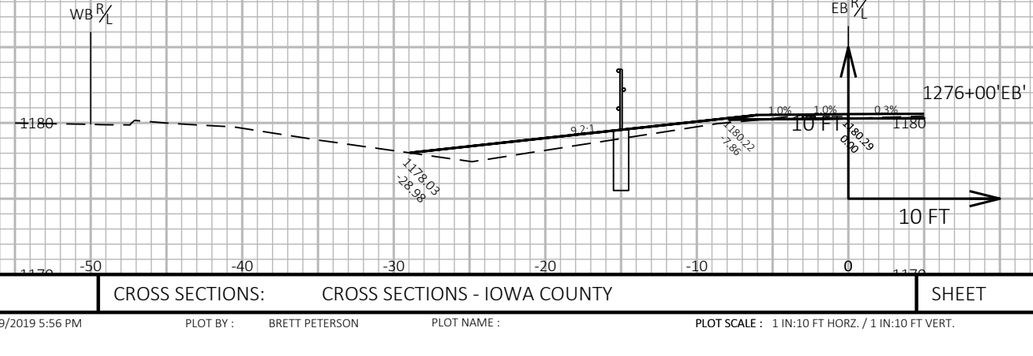
WISDOT/CADDS SHEET 49











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PROJECT NO: 1204-05-76	HWY: USH 18	COUNTY: IOWA & DANE	CROSS SECTIONS: CROSS SECTIONS - IOWA COUNTY	SHEET 68	E

FILE NAME : P:\2018 PROJECTS\5018041 - WISDOT SWR US 18_151\CIVIL3D\SHEETSPLAN\1204-05-76\090201-XS (IOWA COUNTY).DWG
LAYOUT NAME - 22

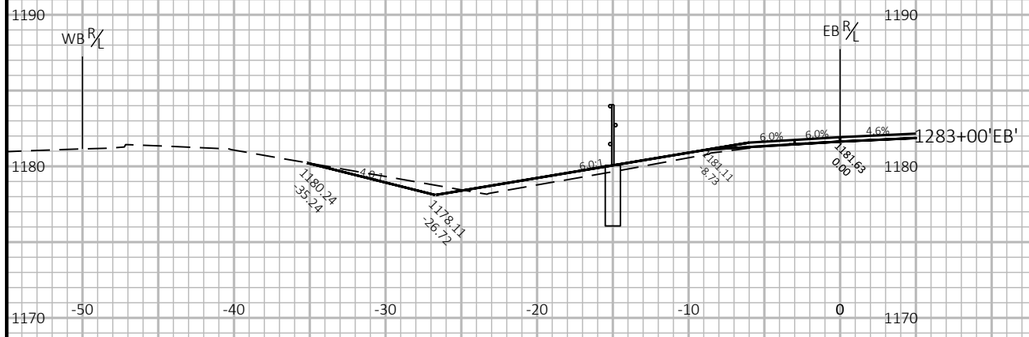
PLOT DATE : 12/9/2019 5:56 PM

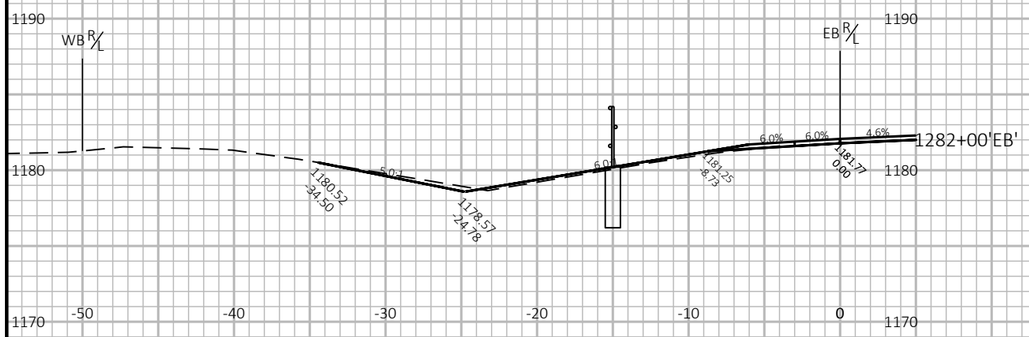
PLOT BY : BRETT PETERSON

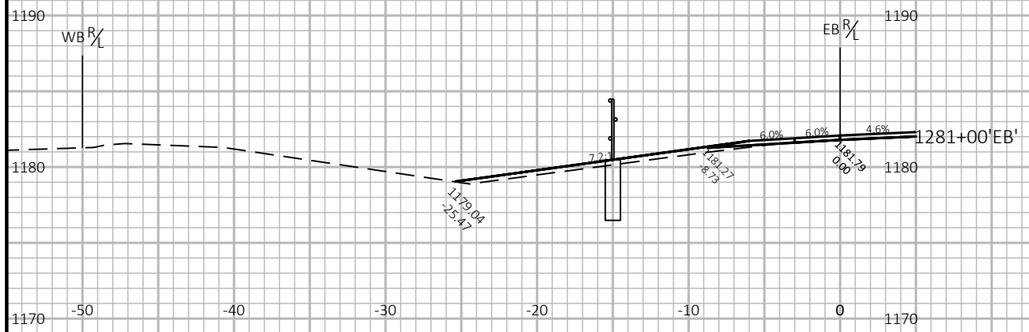
PLOT NAME :

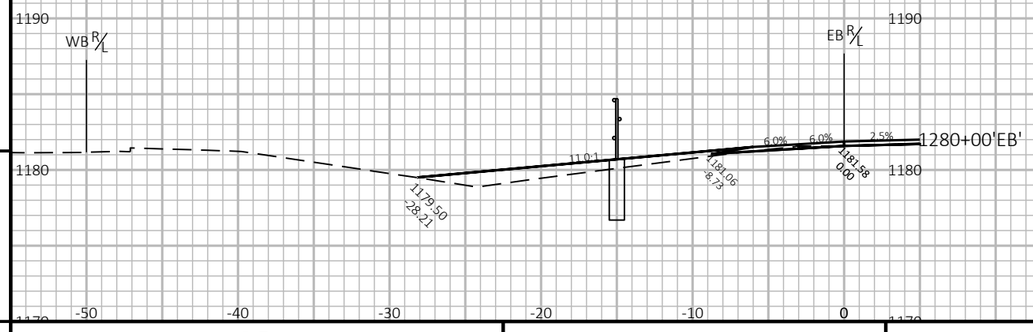
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

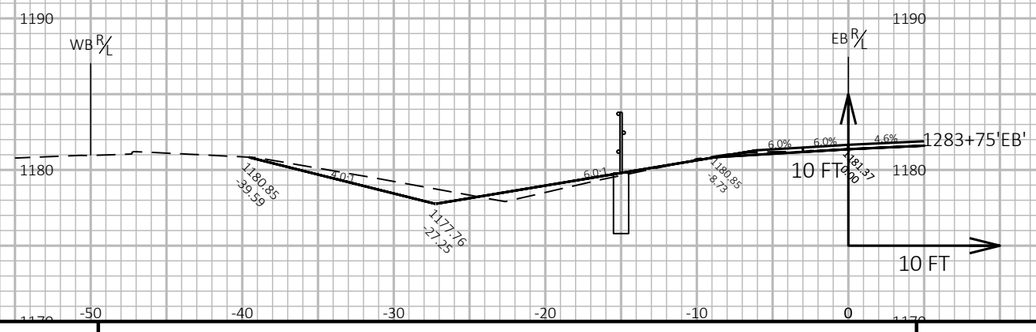
WISDOT/CADDS SHEET 49











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PROJECT NO: 1204-05-76	HWY: USH 18	COUNTY: IOWA & DANE	CROSS SECTIONS: CROSS SECTIONS - IOWA COUNTY	SHEET 69	E

FILE NAME : P:\2018 PROJECTS\5018041 - WISDOT SWR US 18_151\CIVIL3D\SHEETSPLAN\1204-05-76\090201-XS (IOWA COUNTY).DWG
LAYOUT NAME - 23

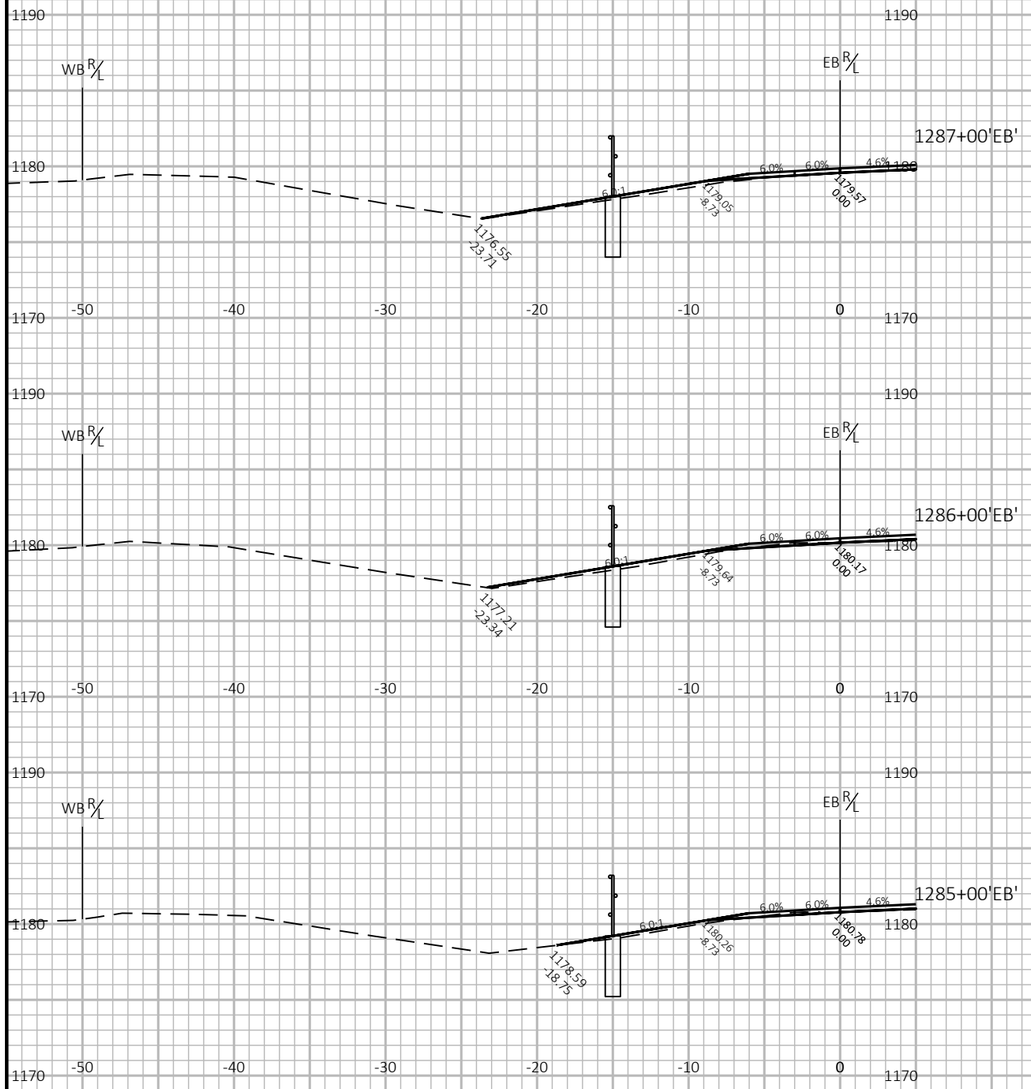
PLOT DATE : 12/9/2019 5:57 PM

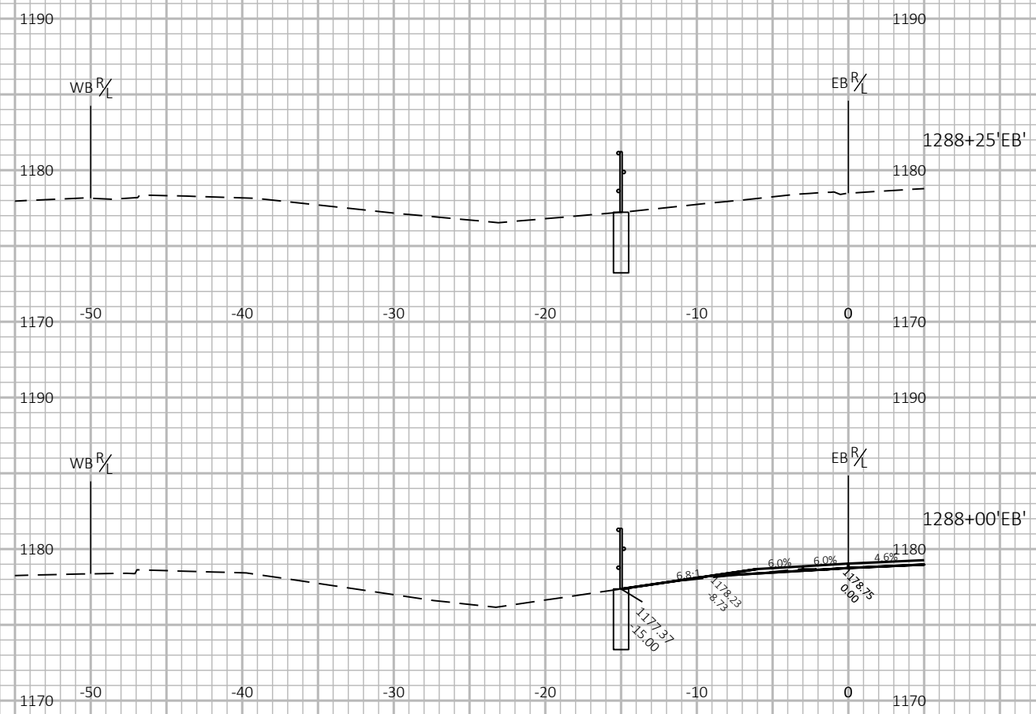
PLOT BY : BRETT PETERSON

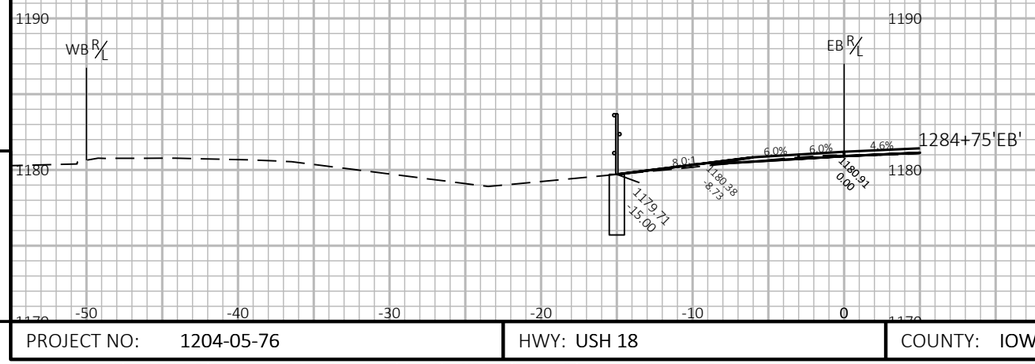
PLOT NAME :

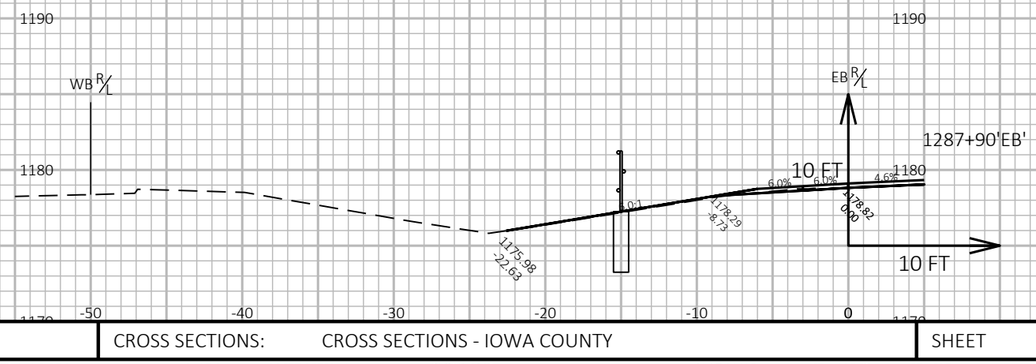
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49









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PROJECT NO: 1204-05-76	HWY: USH 18	COUNTY: IOWA & DANE	CROSS SECTIONS: CROSS SECTIONS - IOWA COUNTY	SHEET 70	E

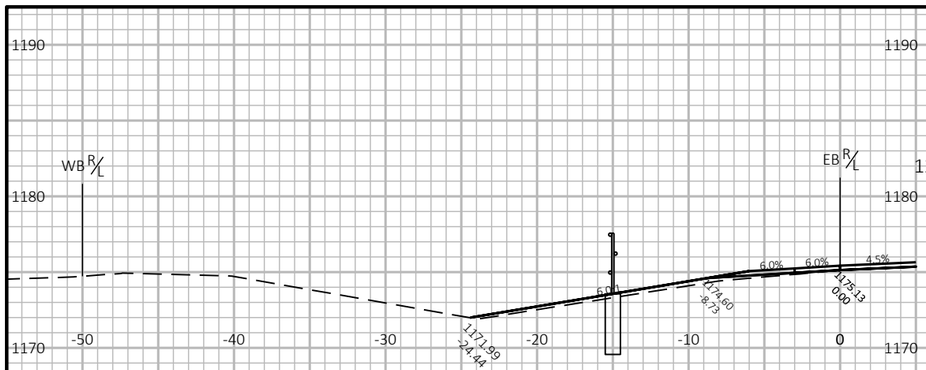
FILE NAME : P:\2018 PROJECTS\5018041 - WISDOT SWR US 18_151\CIVIL3D\SHEETSPLAN\1204-05-76\090201-XS (IOWA COUNTY).DWG
LAYOUT NAME - 24

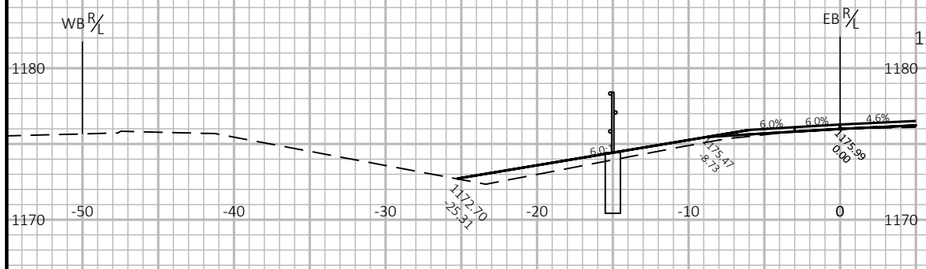
PLOT DATE : 12/9/2019 5:57 PM

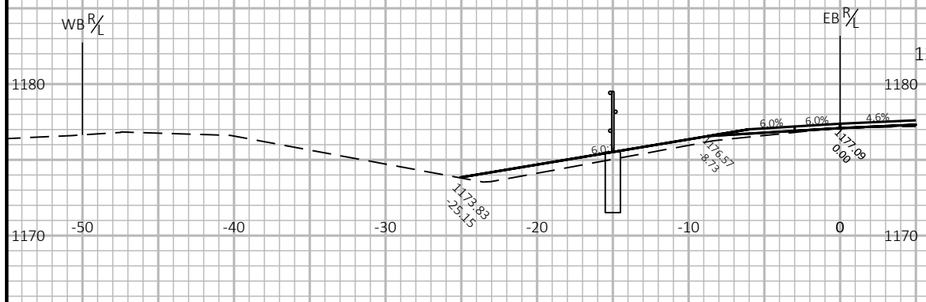
PLOT BY : BRETT PETERSON

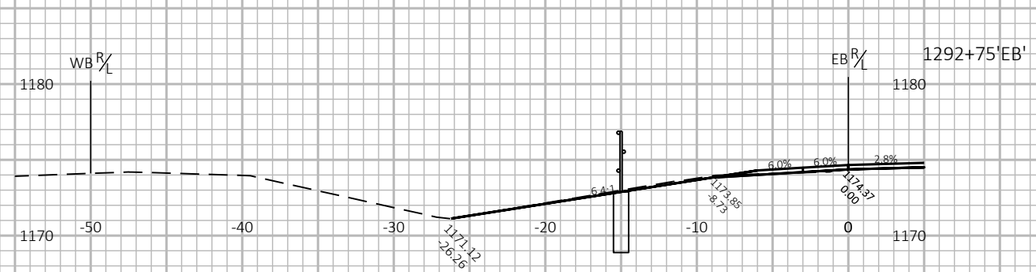
PLOT NAME :

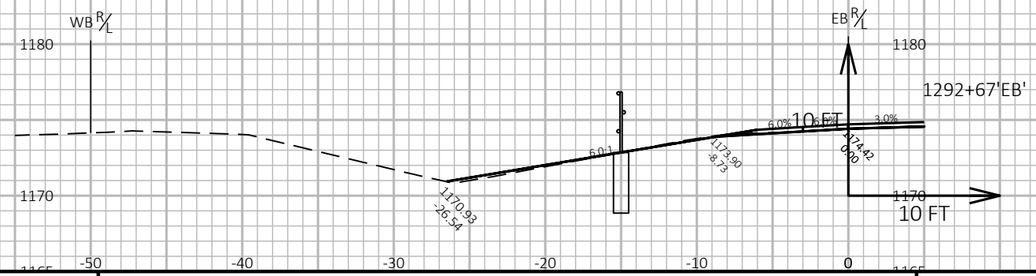
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.











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PROJECT NO: 1204-05-76	HWY: USH 18	COUNTY: IOWA & DANE	CROSS SECTIONS: CROSS SECTIONS - IOWA COUNTY	SHEET 71	E

FILE NAME : P:\2018 PROJECTS\5018041 - WISDOT SWR US 18_151\CIVIL3D\SHEETSPLAN\1204-05-76\090201-XS (IOWA COUNTY).DWG
LAYOUT NAME - 25

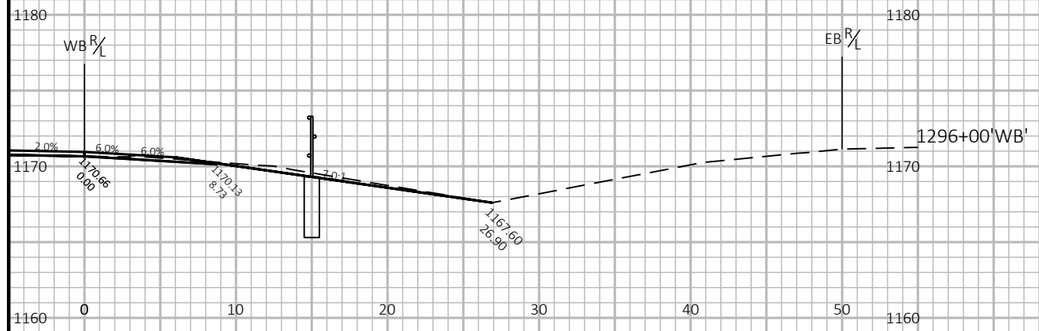
PLOT DATE : 12/9/2019 5:58 PM

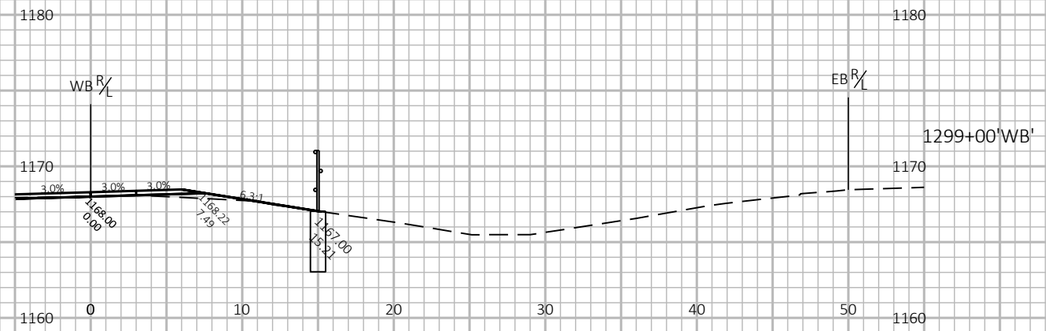
PLOT BY : BRETT PETERSON

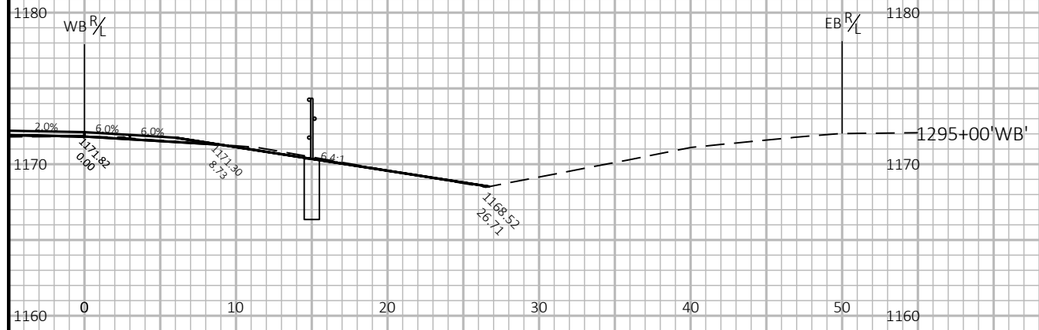
PLOT NAME :

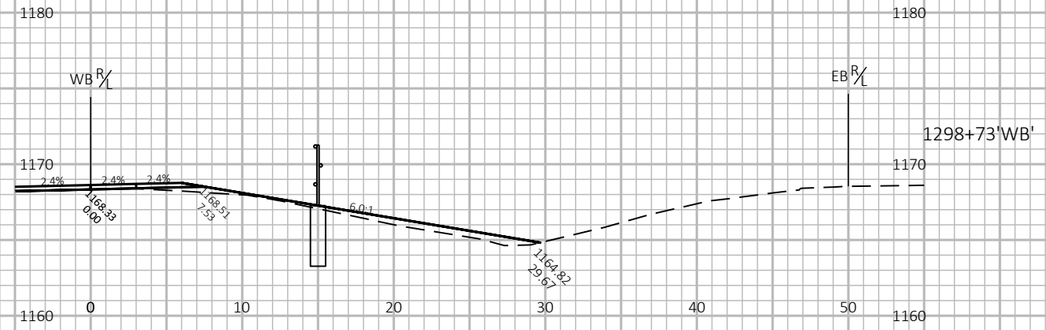
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

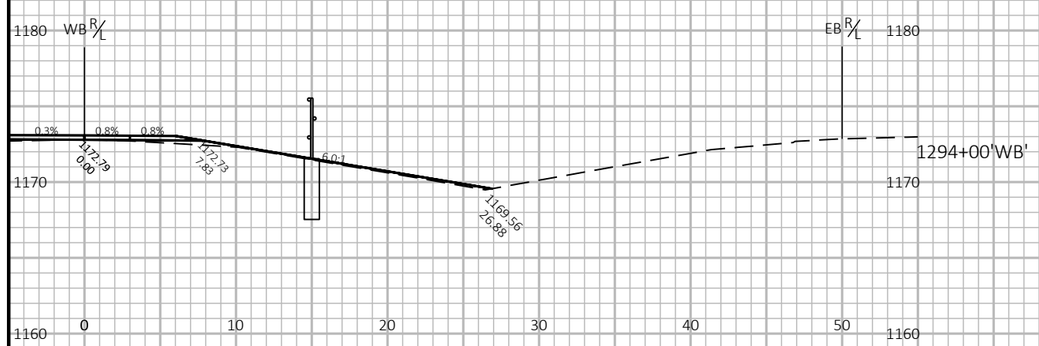
WISDOT/CADDS SHEET 49

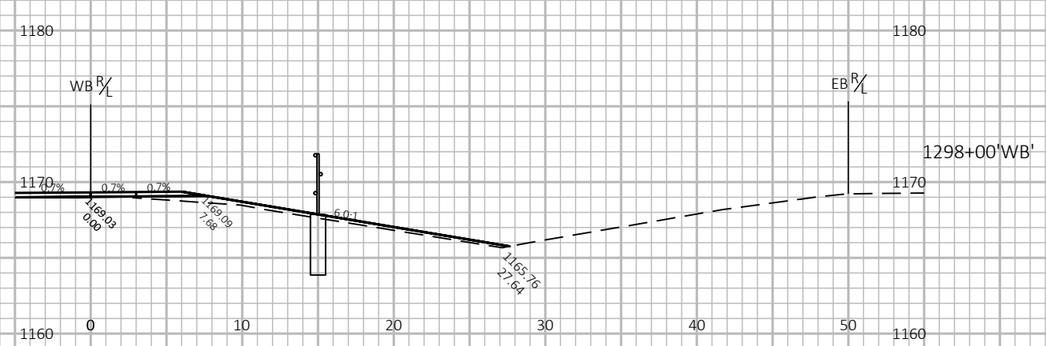


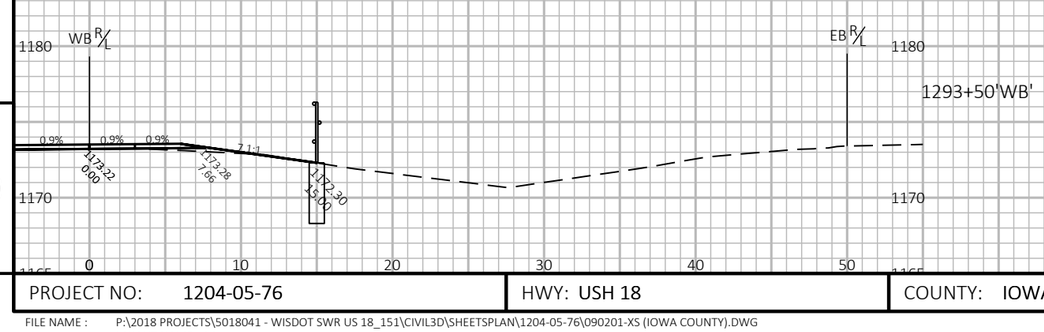


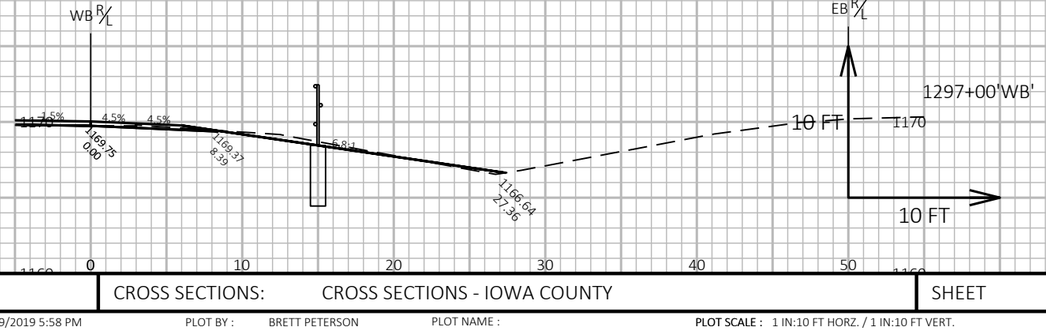












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9

PROJECT NO: 1204-05-76	HWY: USH 18	COUNTY: IOWA & DANE	CROSS SECTIONS: CROSS SECTIONS - IOWA COUNTY	SHEET 72	E

FILE NAME : P:\2018 PROJECTS\5018041 - WISDOT SWR US 18_151\CIVIL3D\SHEETSPLAN\1204-05-76\090201-XS (IOWA COUNTY).DWG
LAYOUT NAME - 26

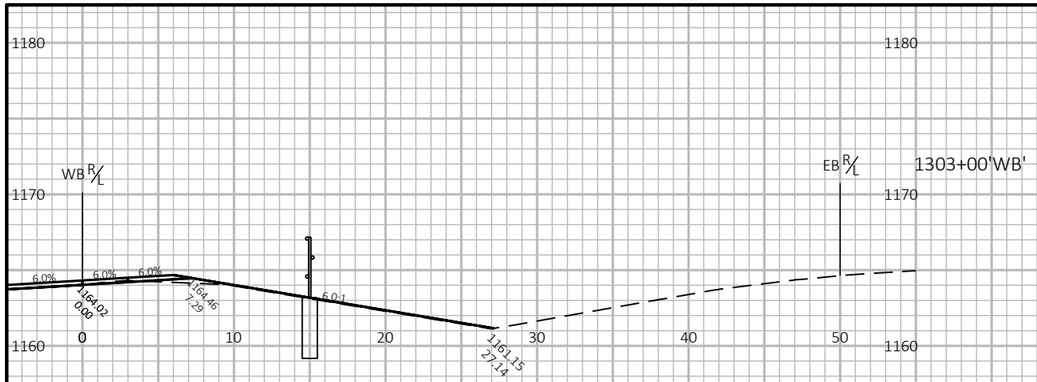
PLOT DATE : 12/9/2019 5:58 PM

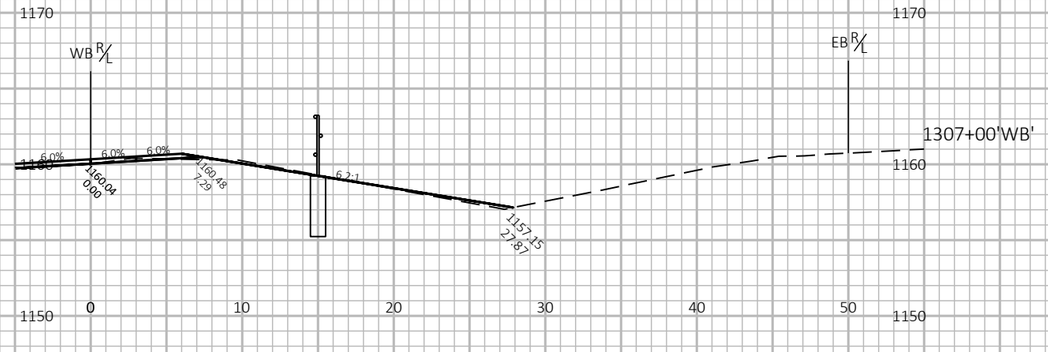
PLOT BY : BRETT PETERSON

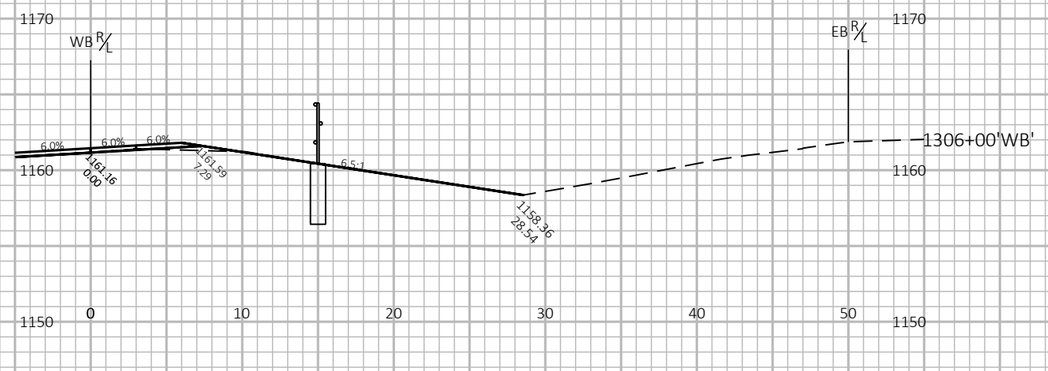
PLOT NAME :

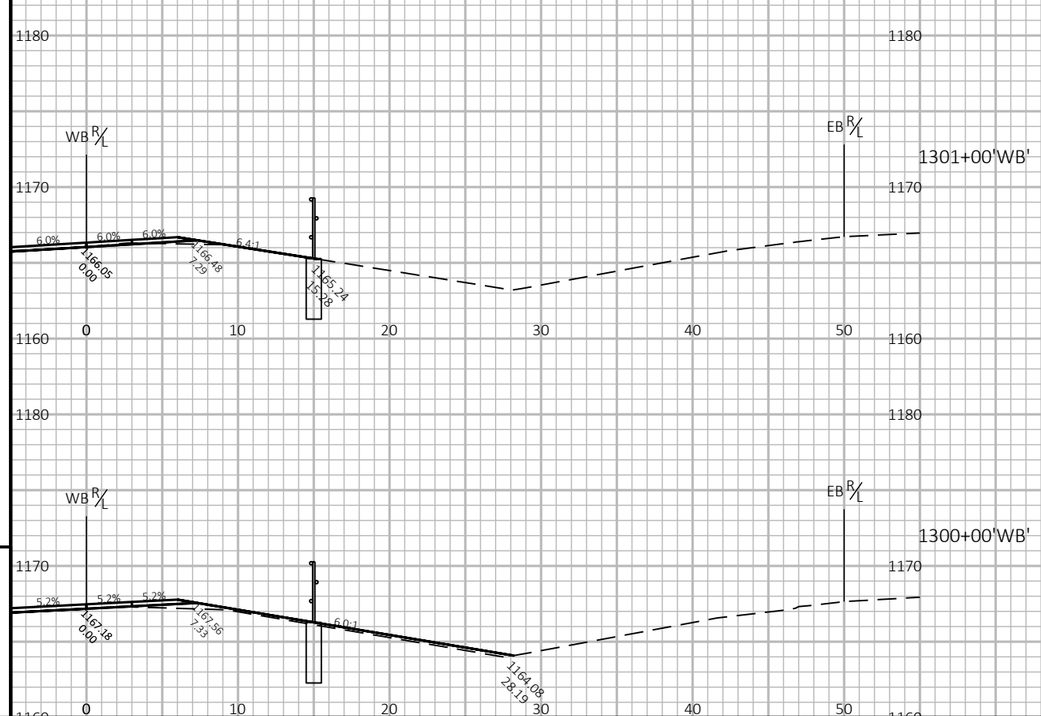
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

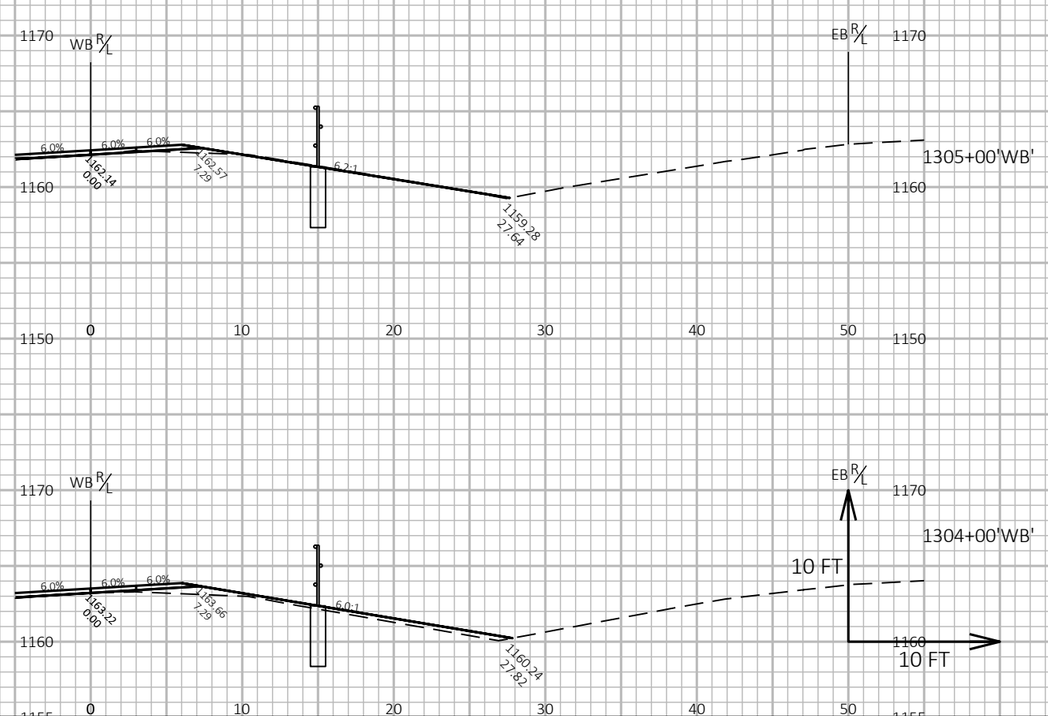
WISDOT/CADDS SHEET 49











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PROJECT NO: 1204-05-76	HWY: USH 18	COUNTY: IOWA & DANE	CROSS SECTIONS: CROSS SECTIONS - IOWA COUNTY	SHEET 73	E

FILE NAME : P:\2018 PROJECTS\5018041 - WISDOT SWR US 18_151\CIVIL3D\SHEETSPLAN\1204-05-76\090201-XS (IOWA COUNTY).DWG
LAYOUT NAME - 27

PLOT DATE : 12/9/2019 5:58 PM

PLOT BY : BRETT PETERSON

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

9

9

PROJECT NO: 1204-05-76	HWY: USH 18	COUNTY: IOWA & DANE	CROSS SECTIONS: CROSS SECTIONS - IOWA COUNTY	SHEET 74	E

FILE NAME : P:\2018 PROJECTS\5018041 - WISDOT SWR US 18_151\CIVIL3D\SHEETSPLAN\1204-05-76\090201-XS (IOWA COUNTY).DWG
LAYOUT NAME - 28

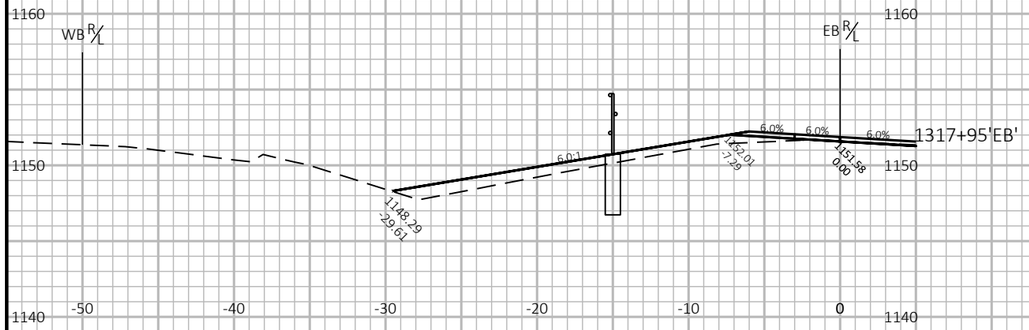
PLOT DATE : 12/9/2019 5:59 PM

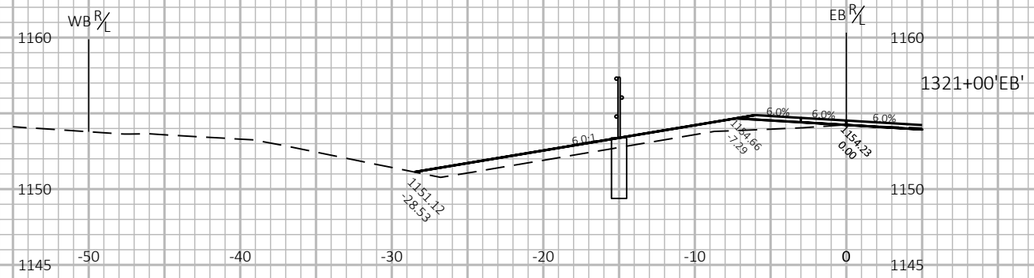
PLOT BY : BRETT PETERSON

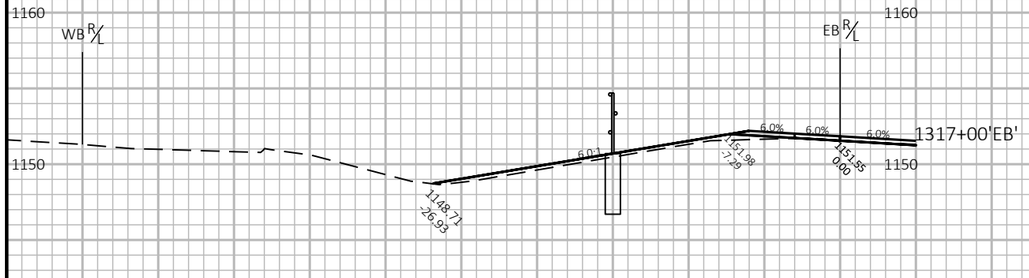
PLOT NAME :

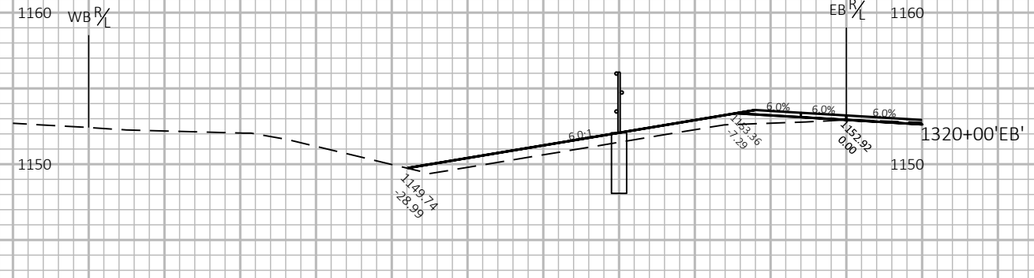
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

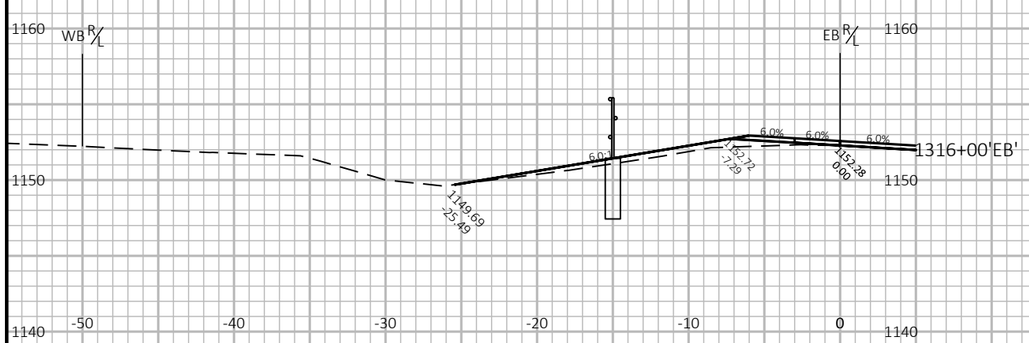
WISDOT/CADDS SHEET 49

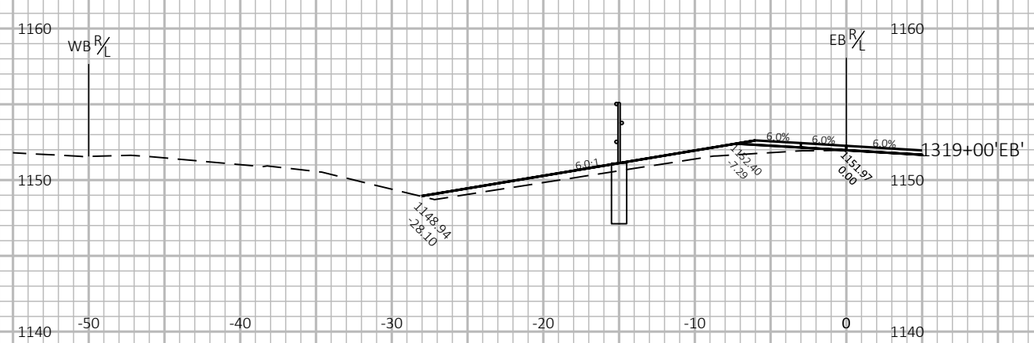


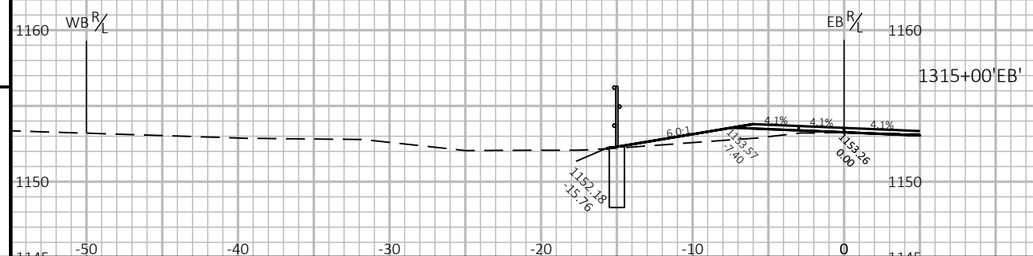


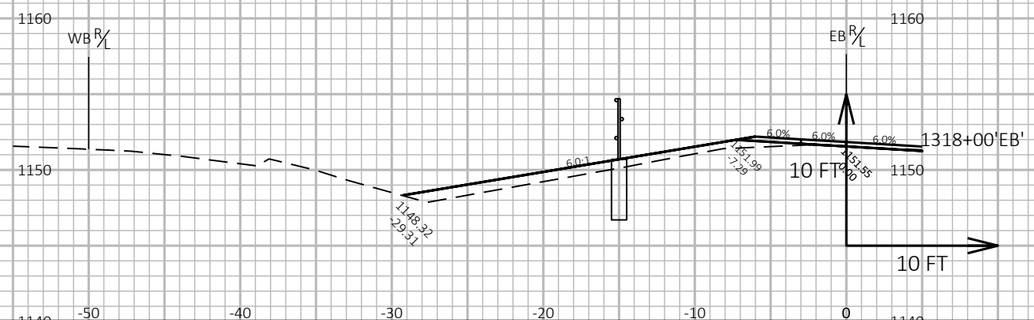












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9

PROJECT NO: 1204-05-76	HWY: USH 18	COUNTY: IOWA & DANE	CROSS SECTIONS: CROSS SECTIONS - IOWA COUNTY	SHEET 75	E

FILE NAME : P:\2018 PROJECTS\5018041 - WISDOT SWR US 18_151\CIVIL3D\SHEETSPLAN\1204-05-76\090201-XS (IOWA COUNTY).DWG
LAYOUT NAME - 29

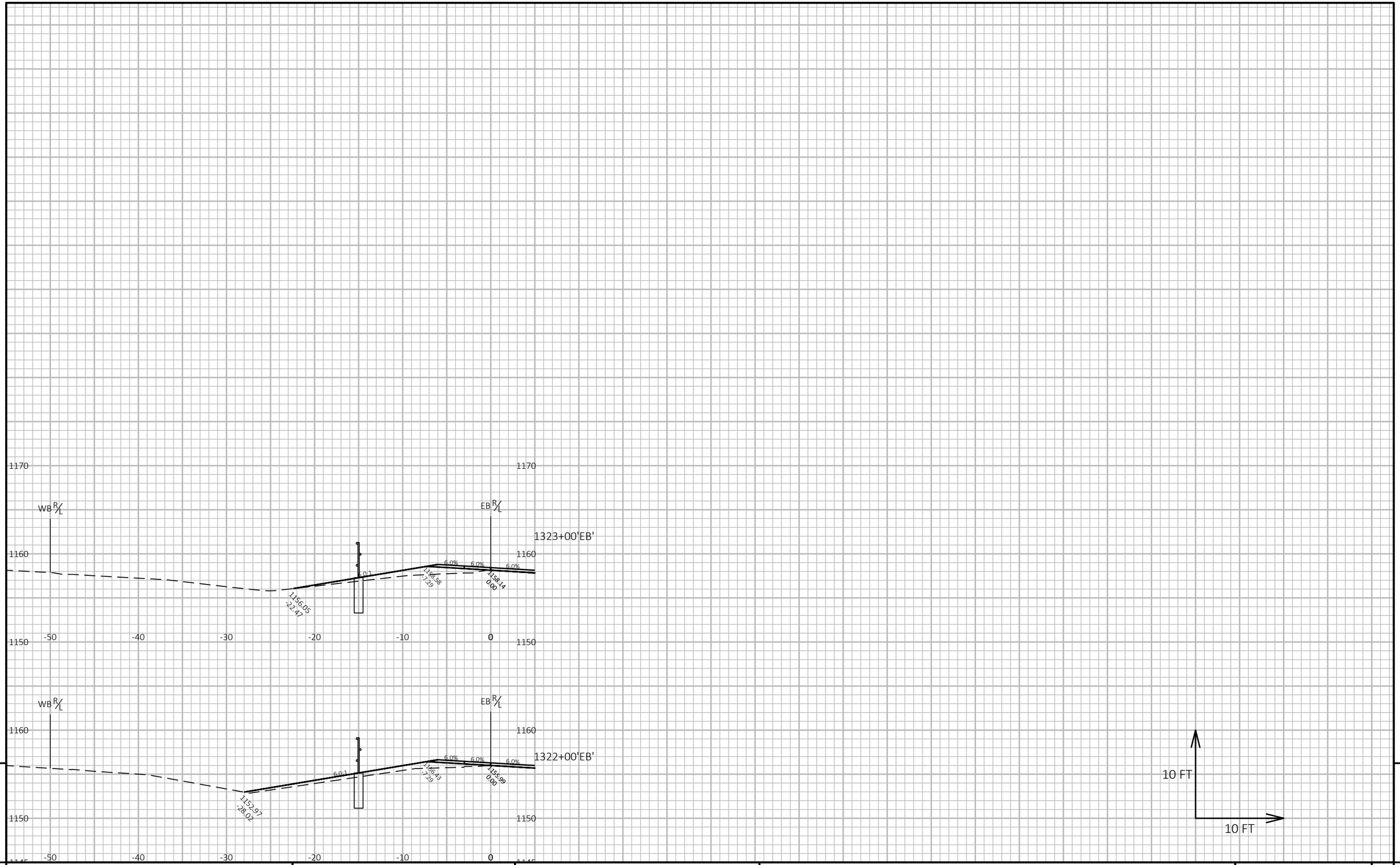
PLOT DATE : 12/9/2019 5:59 PM

PLOT BY : BRETT PETERSON

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

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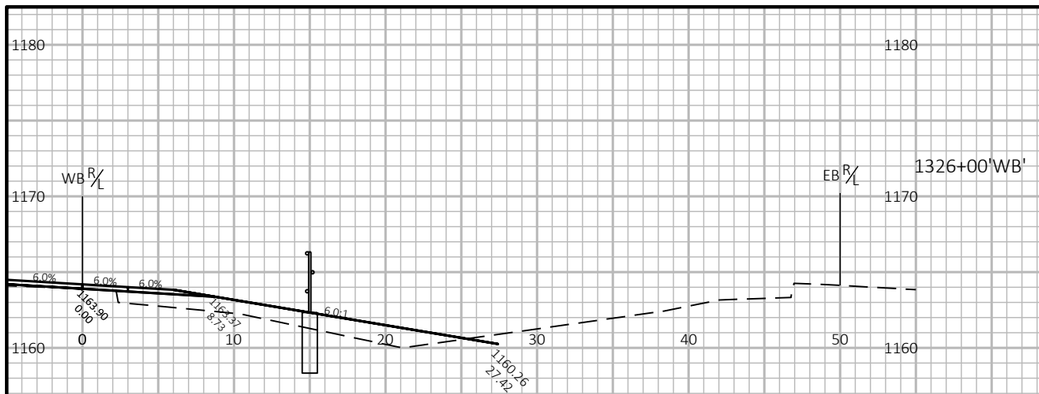
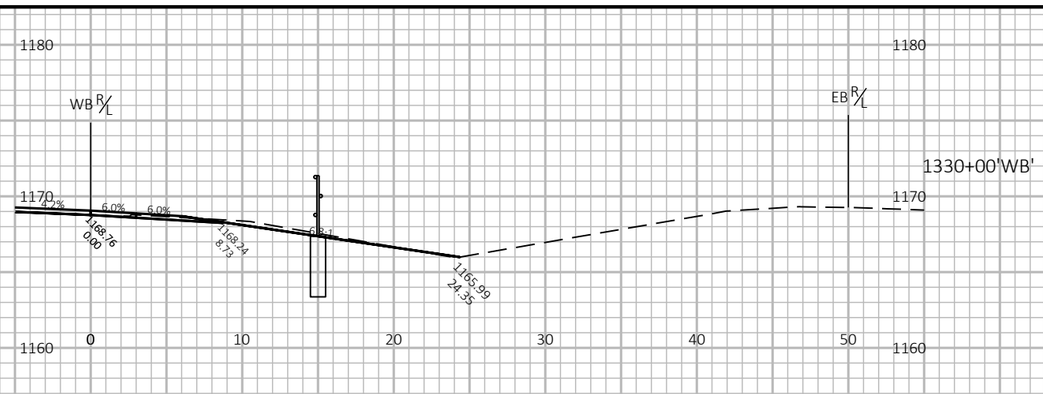
PROJECT NO: 1204-05-76	HWY: USH 18	COUNTY: IOWA & DANE	CROSS SECTIONS: CROSS SECTIONS - IOWA COUNTY	SHEET 76	E

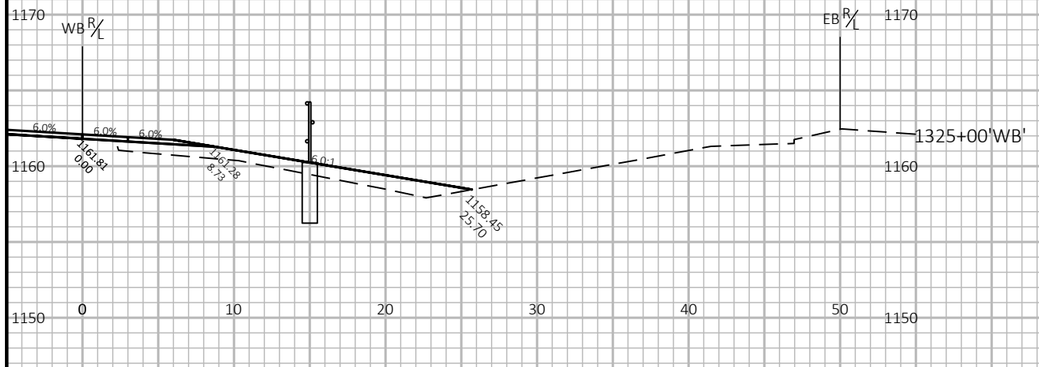
FILE NAME : P:\2018 PROJECTS\5018041 - WISDOT SWR US 18_151\CIVIL3D\SHEETSPLAN\1204-05-76\090201-XS (IOWA COUNTY).DWG
LAYOUT NAME - 30

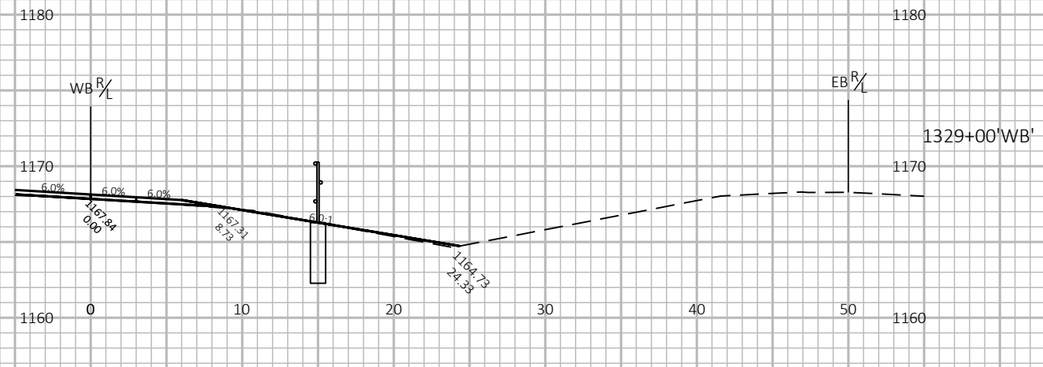
PLOT DATE : 12/9/2019 5:59 PM PLOT BY : BRETT PETERSON PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

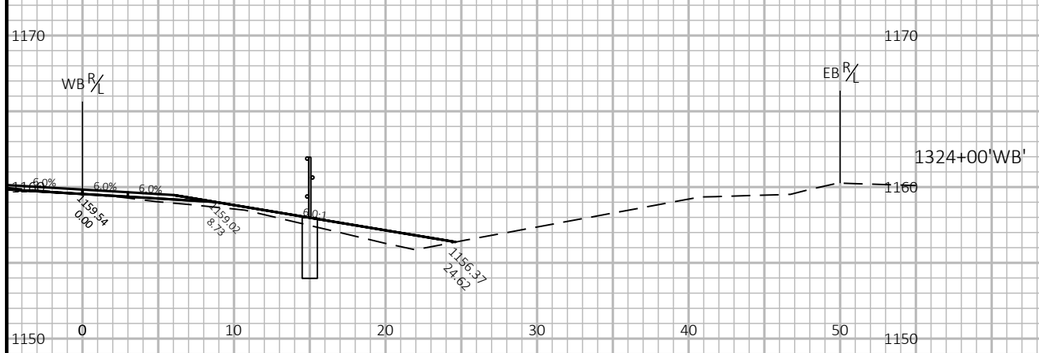
WISDOT/CADDS SHEET 49

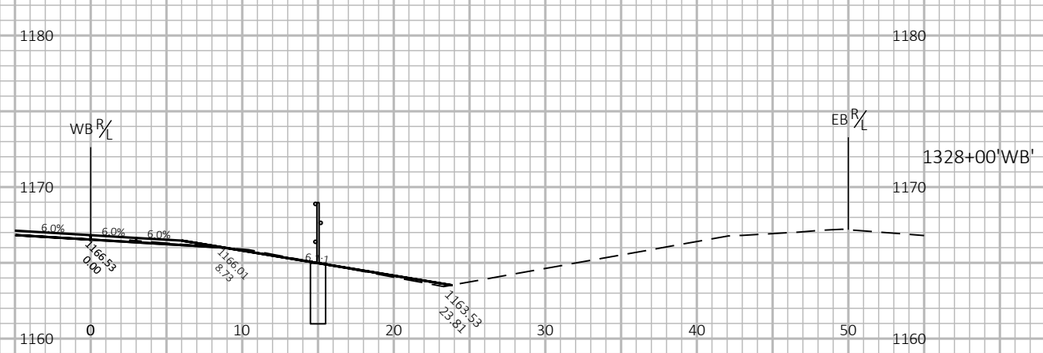


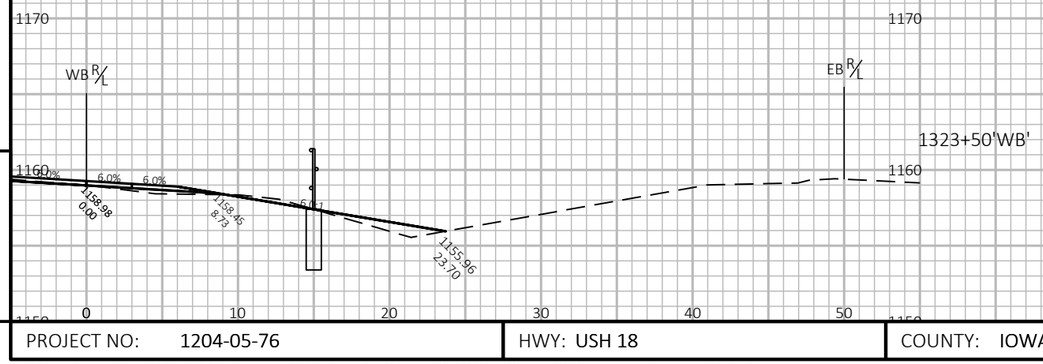


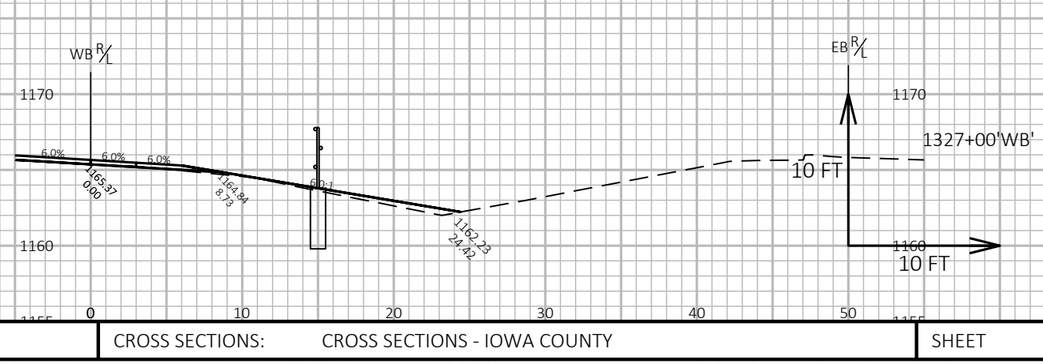












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PROJECT NO: 1204-05-76	HWY: USH 18	COUNTY: IOWA & DANE	CROSS SECTIONS: CROSS SECTIONS - IOWA COUNTY	SHEET 77	E

FILE NAME : P:\2018 PROJECTS\5018041 - WISDOT SWR US 18_151\CIVIL3D\SHEETSPLAN\1204-05-76\090201-XS (IOWA COUNTY).DWG
LAYOUT NAME - 31

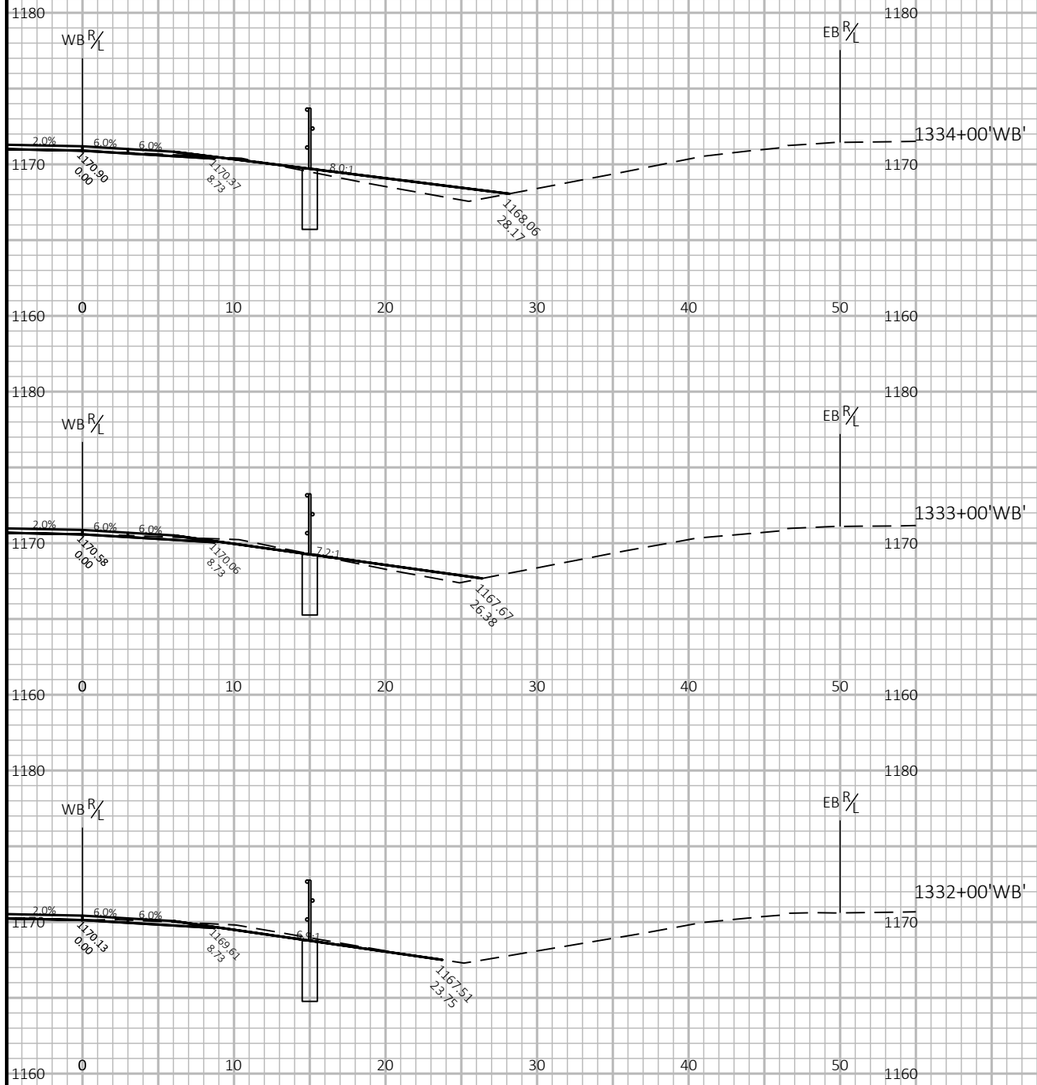
PLOT DATE : 12/9/2019 6:00 PM

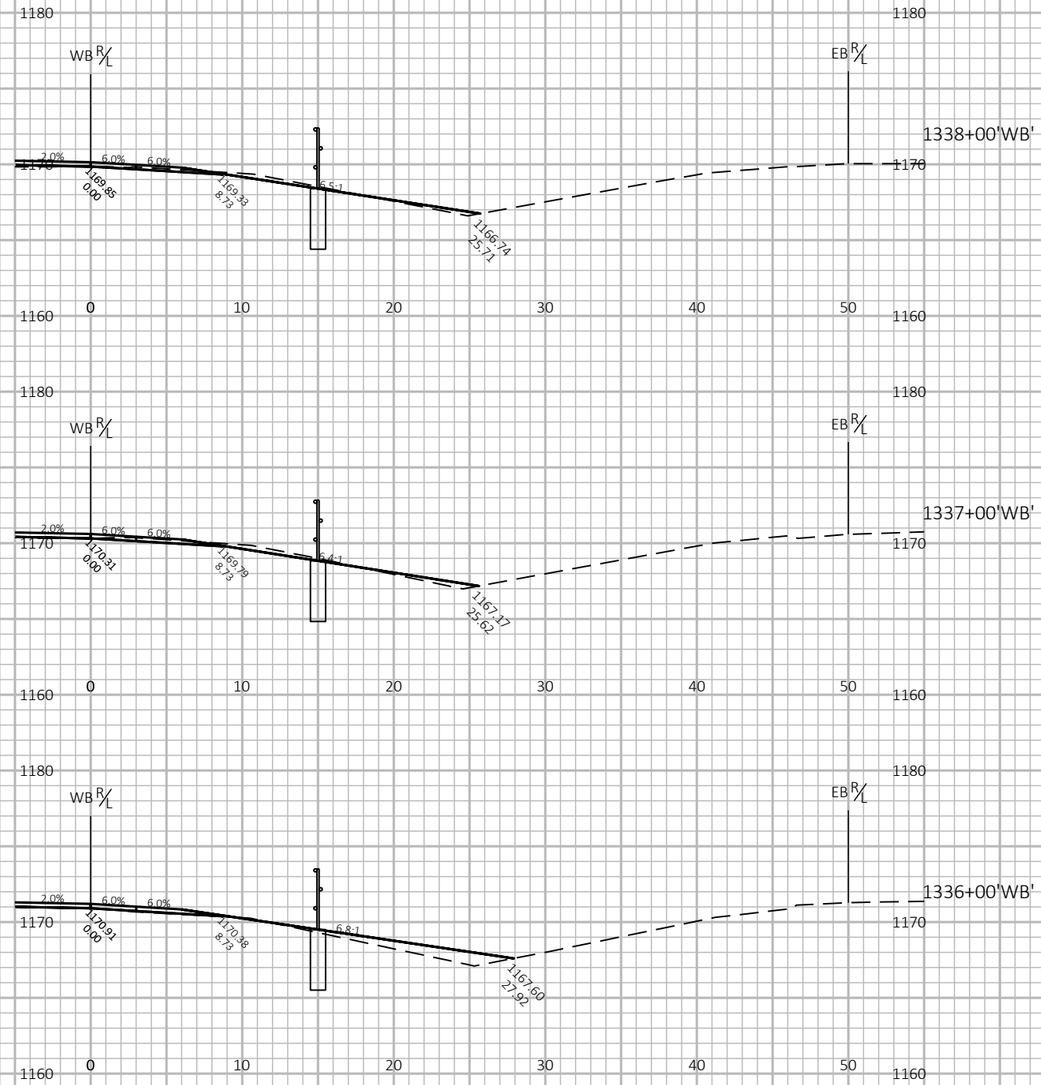
PLOT BY : BRETT PETERSON

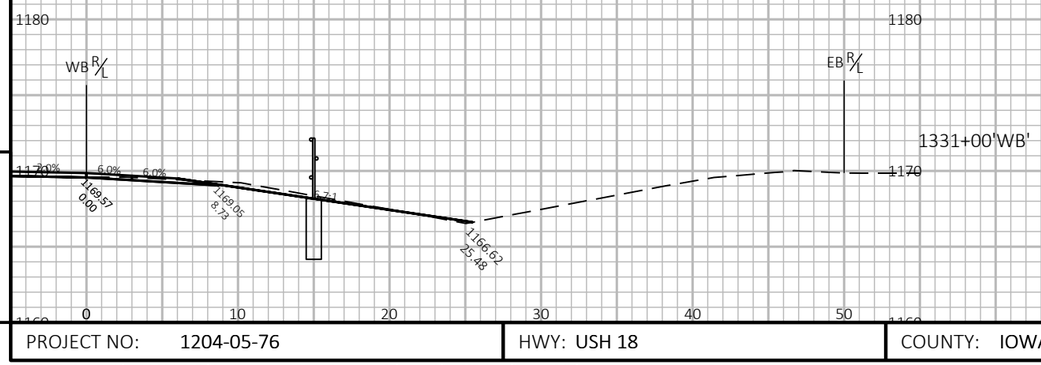
PLOT NAME :

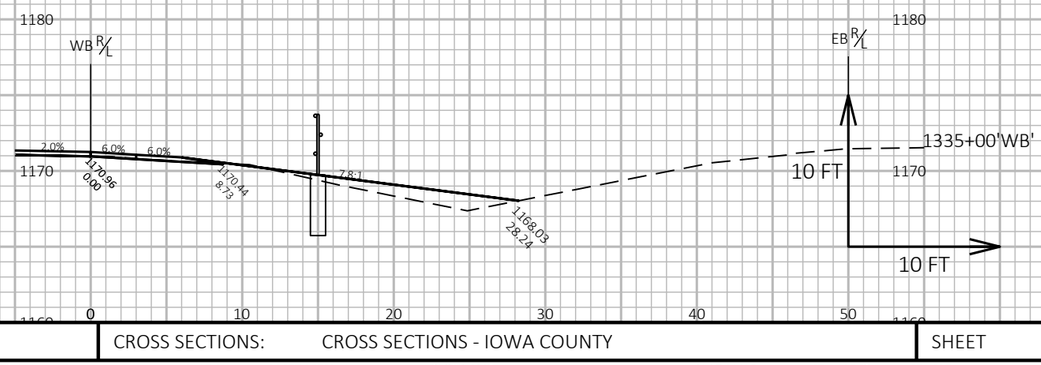
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49









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PROJECT NO: 1204-05-76	HWY: USH 18	COUNTY: IOWA & DANE	CROSS SECTIONS: CROSS SECTIONS - IOWA COUNTY	SHEET 78	E

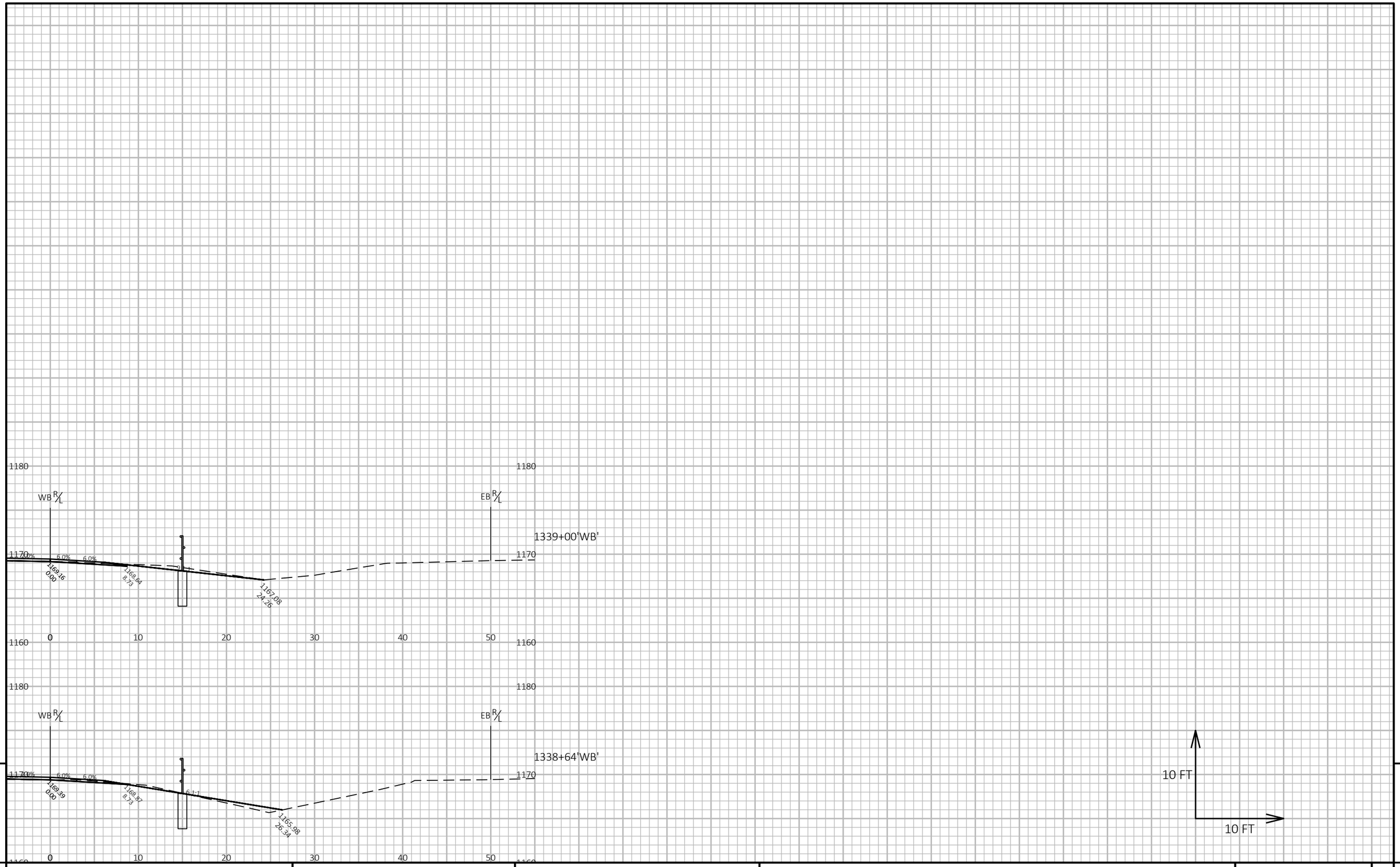
FILE NAME : P:\2018 PROJECTS\5018041 - WISDOT SWR US 18_151\CIVIL3D\SHEETSPLAN\1204-05-76\090201-XS (IOWA COUNTY).DWG
LAYOUT NAME - 32

PLOT DATE : 12/9/2019 6:00 PM

PLOT BY : BRETT PETERSON

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



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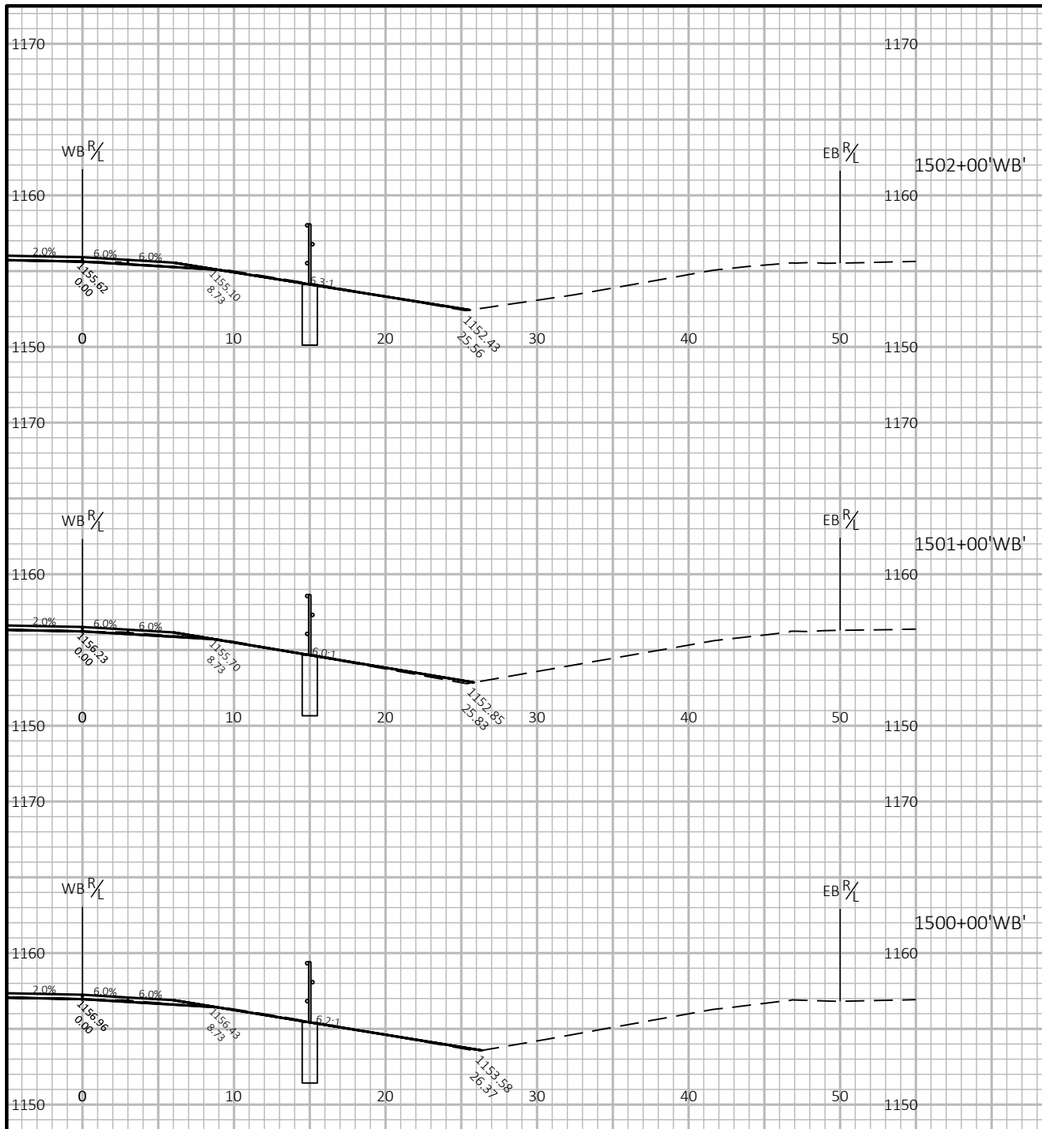
PROJECT NO: 1204-05-76	HWY: USH 18	COUNTY: IOWA & DANE	CROSS SECTIONS: CROSS SECTIONS - IOWA COUNTY	SHEET 79	E

FILE NAME : P:\2018 PROJECTS\5018041 - WISDOT SWR US 18_151\CIVIL3D\SHEETSPLAN\1204-05-76\090201-XS (IOWA COUNTY).DWG
LAYOUT NAME - 33

PLOT DATE : 12/9/2019 6:00 PM PLOT BY : BRETT PETERSON PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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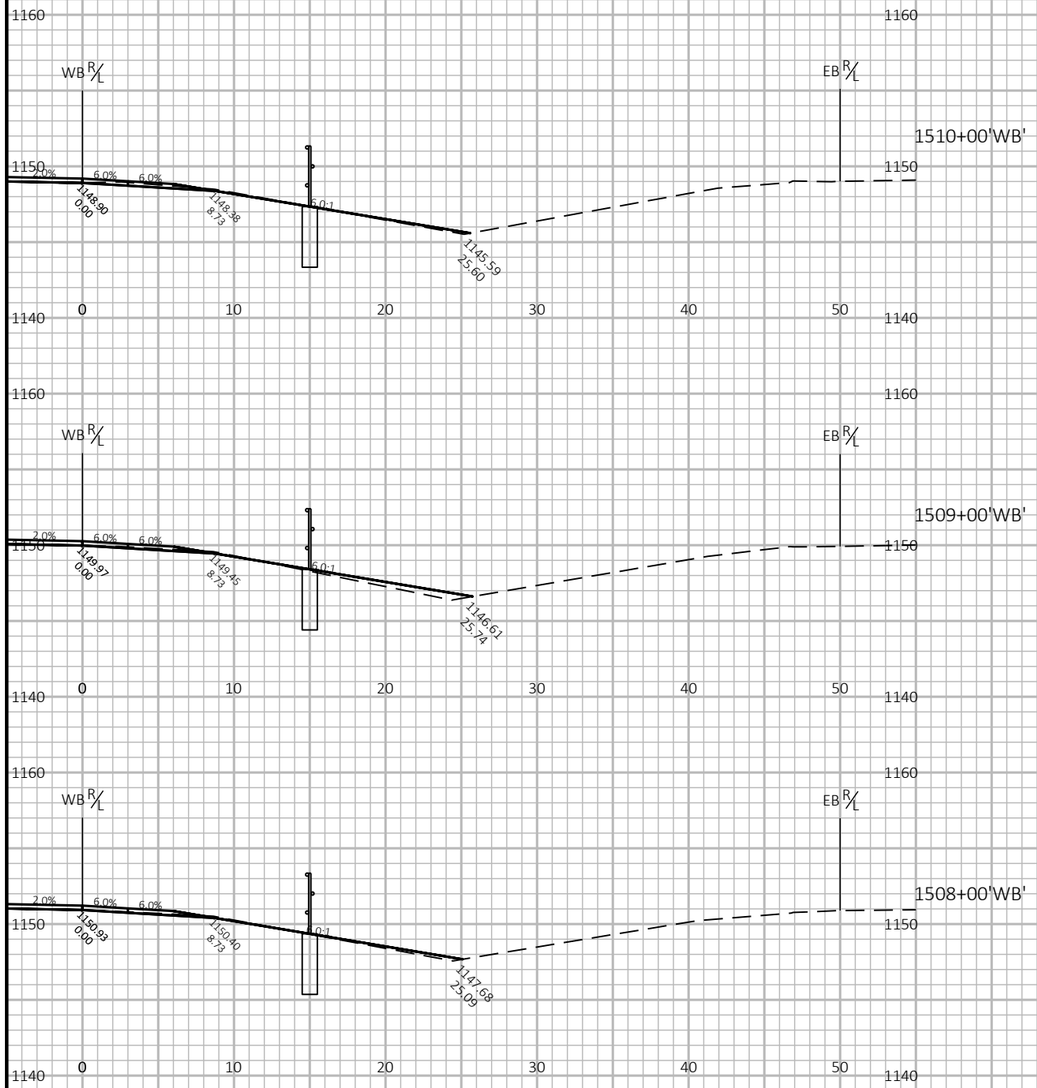
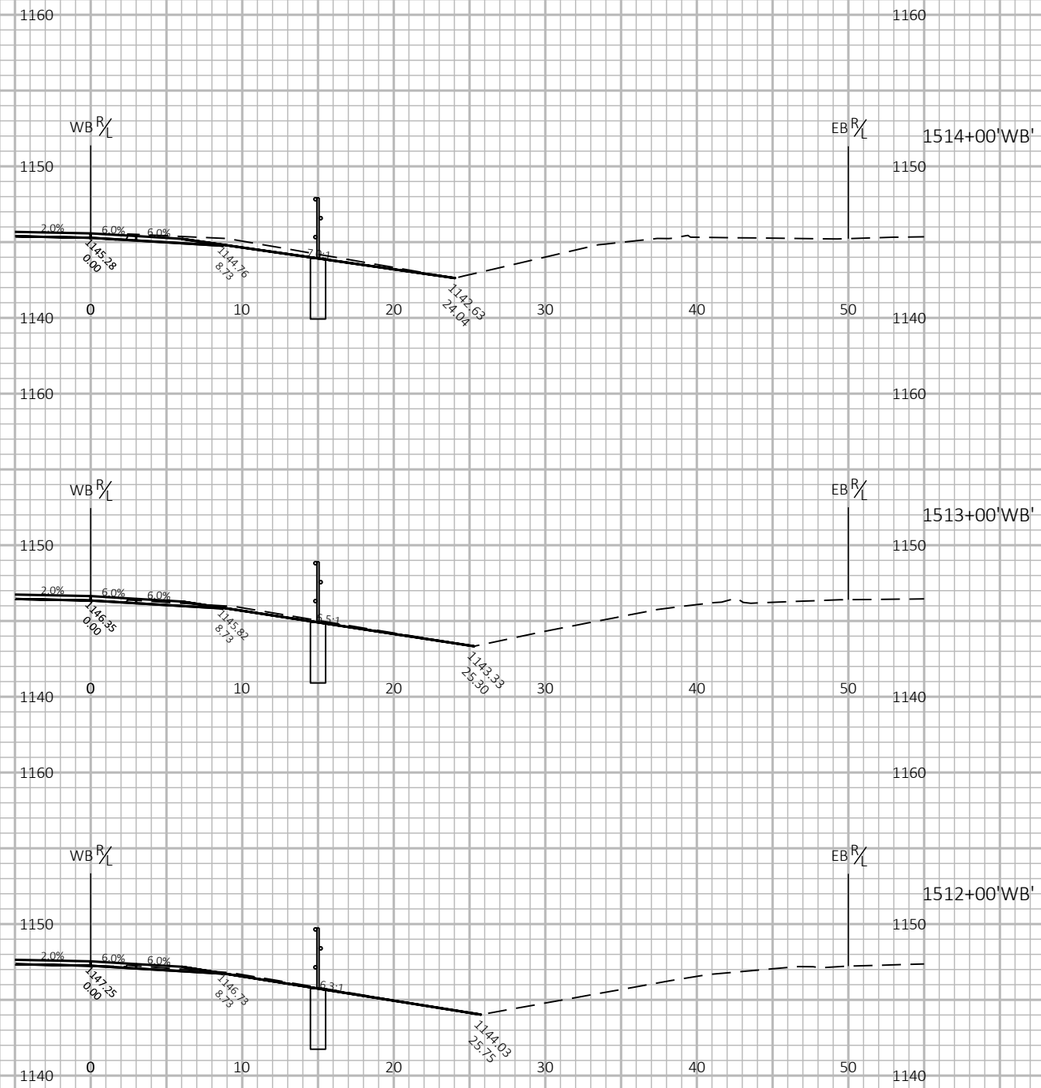
PROJECT NO: 1204-05-76	HWY: USH 18	COUNTY: IOWA & DANE	CROSS SECTIONS: CROSS SECTIONS - IOWA COUNTY	SHEET 80	E

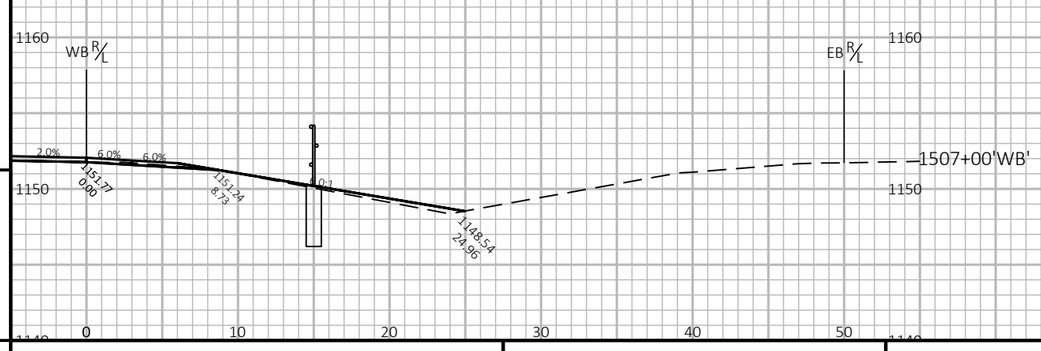
FILE NAME : P:\2018 PROJECTS\5018041 - WISDOT SWR US 18_151\CIVIL3D\SHEETSPLAN\1204-05-76\090201-XS (IOWA COUNTY).DWG
LAYOUT NAME - 34

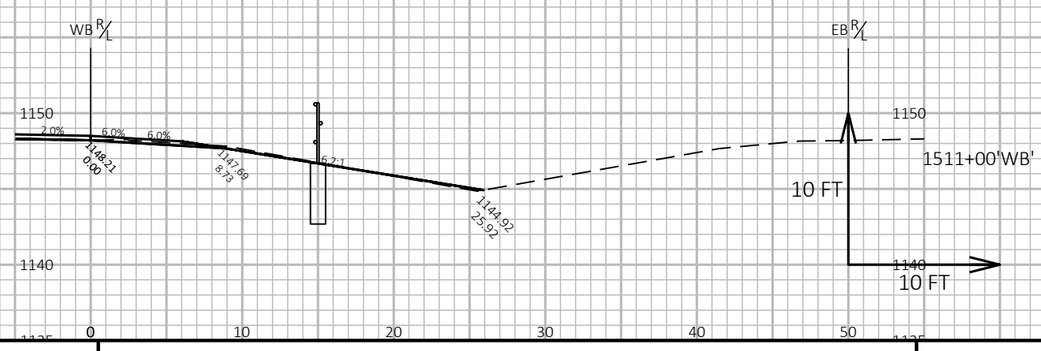
PLOT DATE : 12/9/2019 6:01 PM PLOT BY : BRETT PETERSON PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49









9

9

PROJECT NO: 1204-05-76	HWY: USH 18	COUNTY: IOWA & DANE	CROSS SECTIONS: CROSS SECTIONS - IOWA COUNTY	SHEET 81	E

FILE NAME : P:\2018 PROJECTS\5018041 - WISDOT SWR US 18_151\CIVIL3D\SHEETSPLAN\1204-05-76\090201-XS (IOWA COUNTY).DWG
LAYOUT NAME - 35

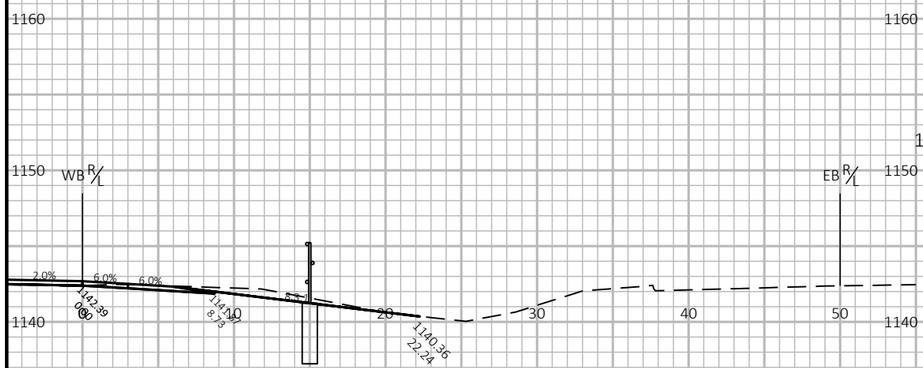
PLOT DATE : 12/9/2019 6:01 PM

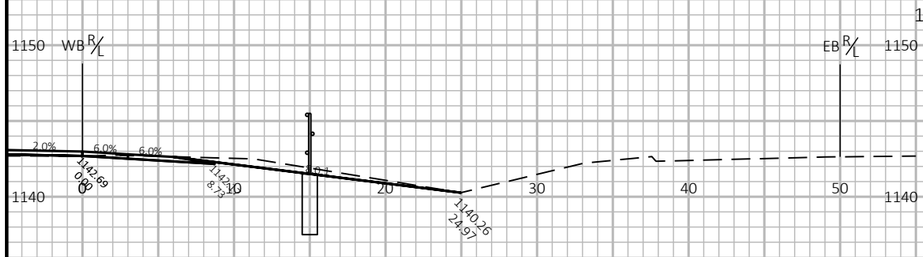
PLOT BY : BRETT PETERSON

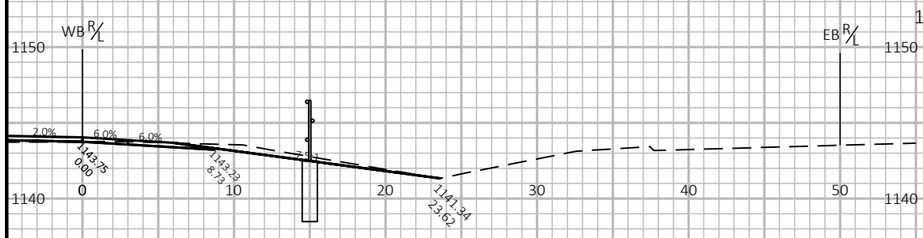
PLOT NAME :

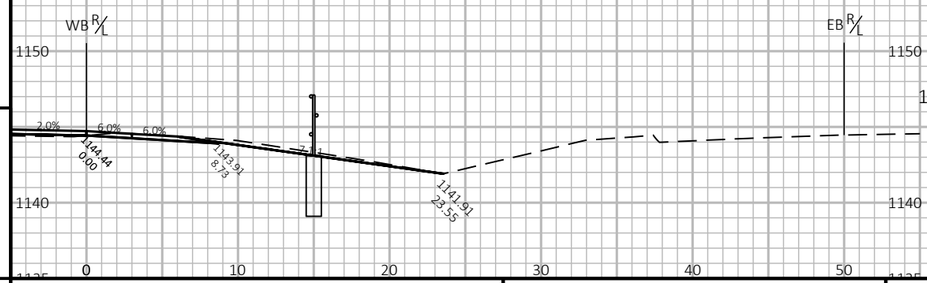
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49









9

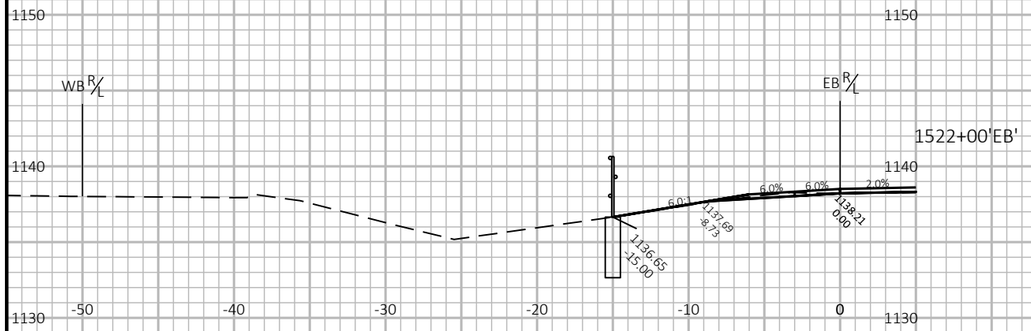
9

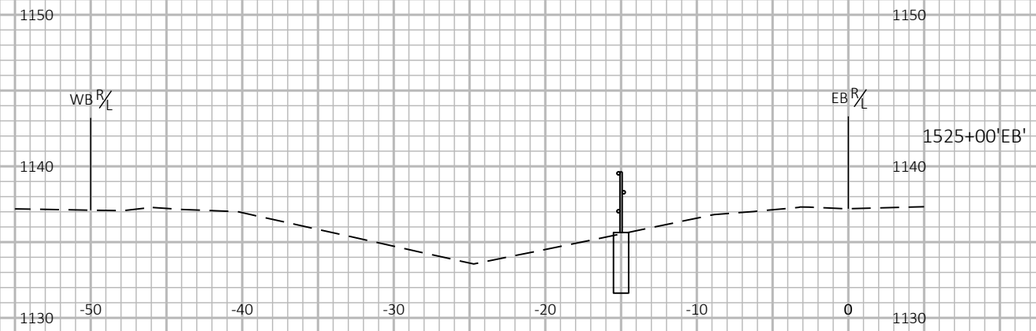
PROJECT NO: 1204-05-76	HWY: USH 18	COUNTY: IOWA & DANE	CROSS SECTIONS: CROSS SECTIONS - IOWA COUNTY	SHEET 82	E

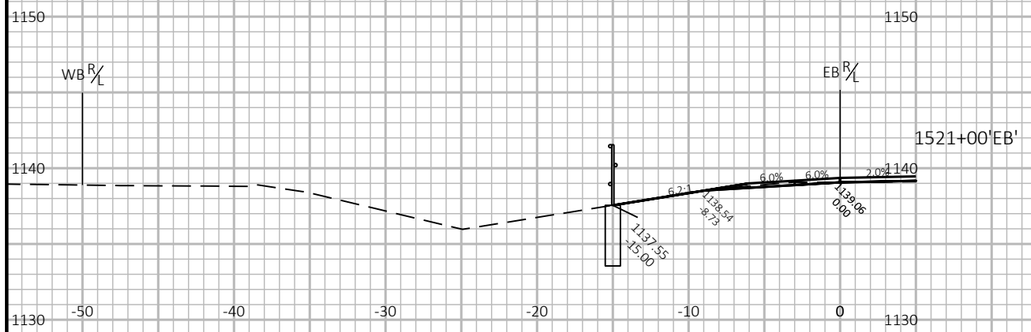
FILE NAME : P:\2018 PROJECTS\5018041 - WISDOT SWR US 18_151\CIVIL3D\SHEETSPLAN\1204-05-76\090201-XS (IOWA COUNTY).DWG
LAYOUT NAME - 36

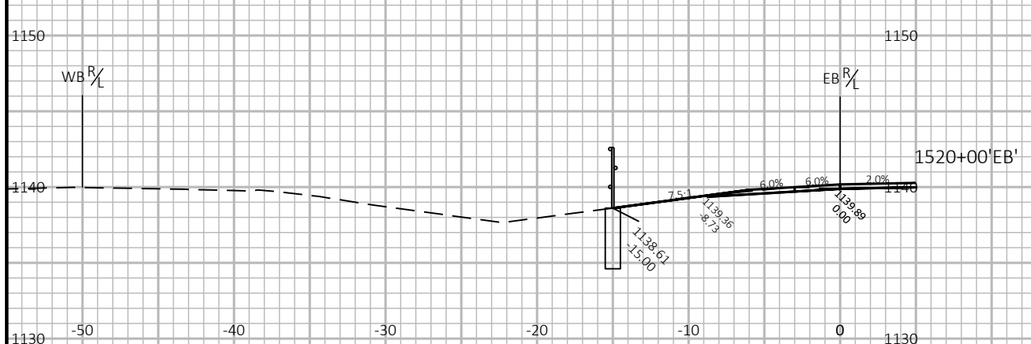
PLOT DATE : 12/9/2019 6:01 PM PLOT BY : BRETT PETERSON PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

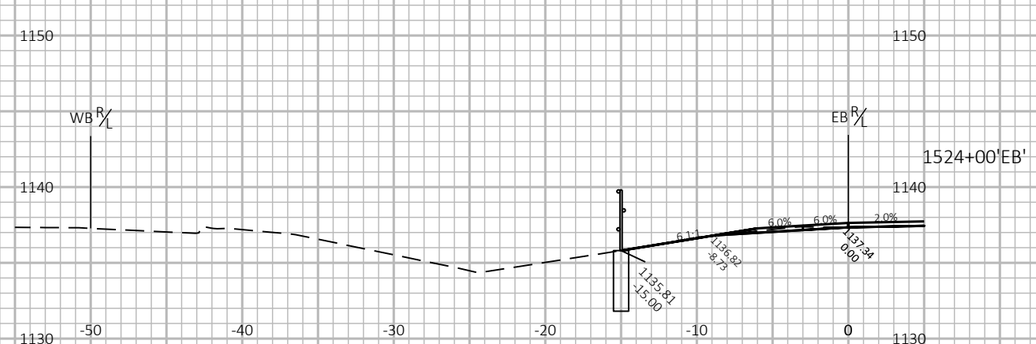
WISDOT/CADDS SHEET 49

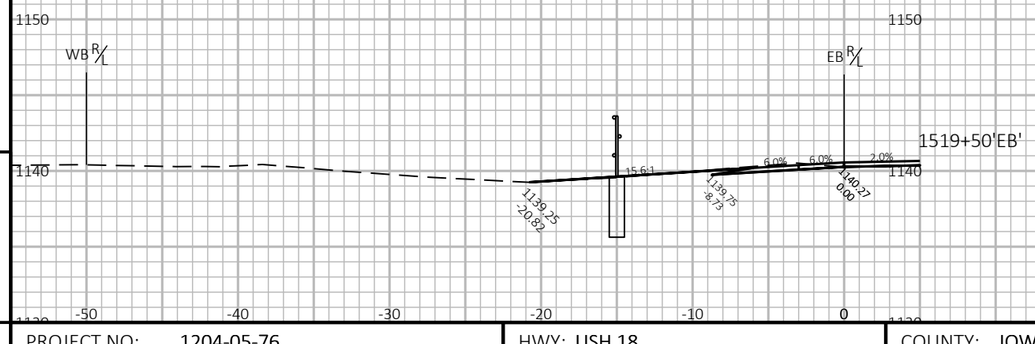


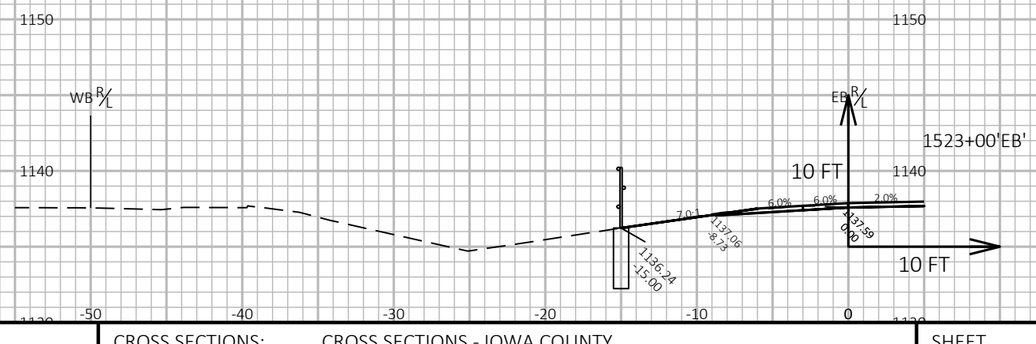












9

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PROJECT NO: 1204-05-76	HWY: USH 18	COUNTY: IOWA & DANE	CROSS SECTIONS: CROSS SECTIONS - IOWA COUNTY	SHEET 83	E

FILE NAME : P:\2018 PROJECTS\5018041 - WISDOT SWR US 18_151\CIVIL3D\SHEETSPLAN\1204-05-76\090201-XS (IOWA COUNTY).DWG
LAYOUT NAME - 37

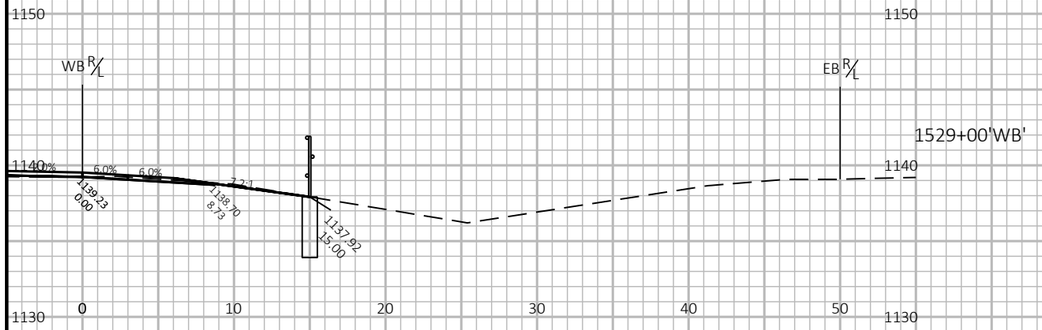
PLOT DATE : 12/9/2019 6:02 PM

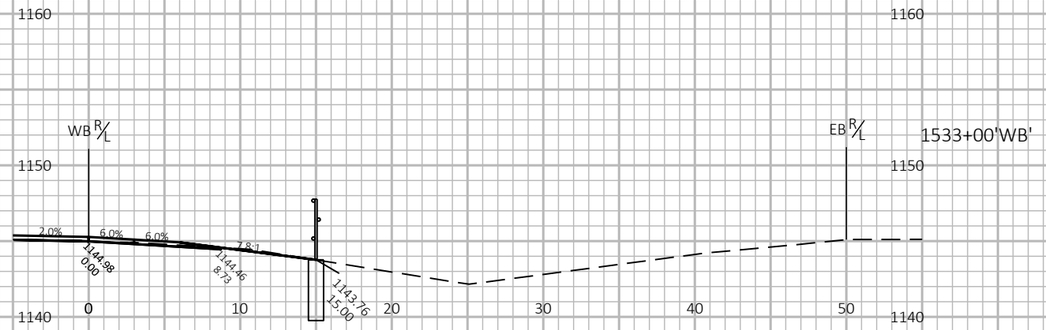
PLOT BY : BRETT PETERSON

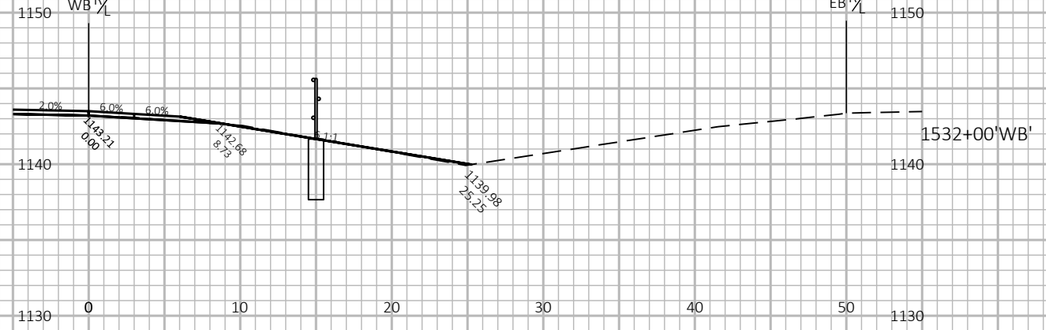
PLOT NAME :

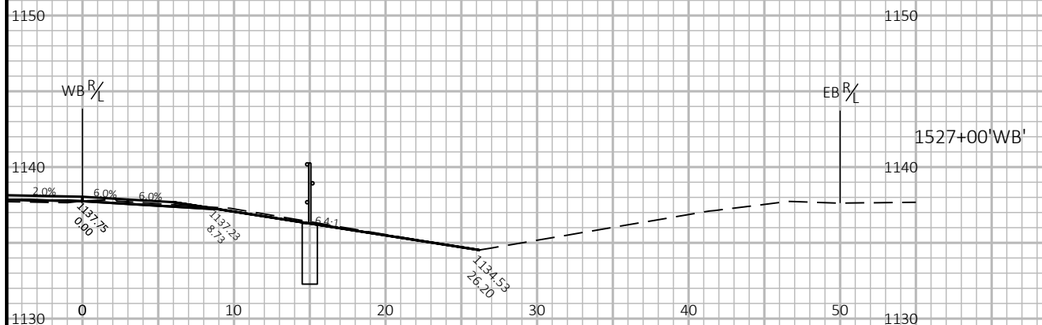
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

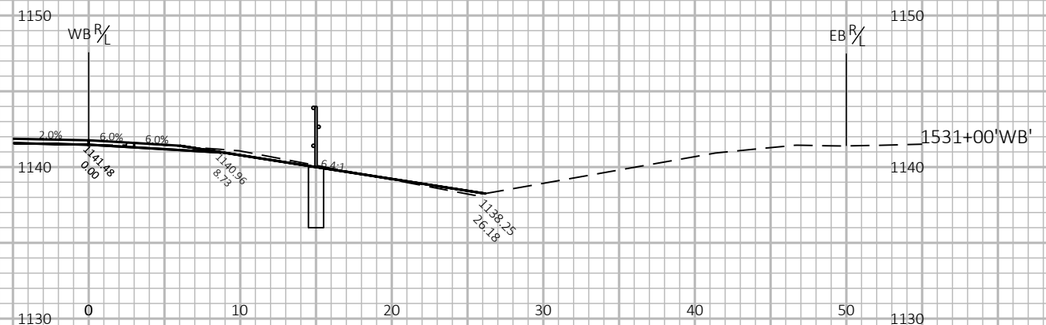
WISDOT/CADDS SHEET 49

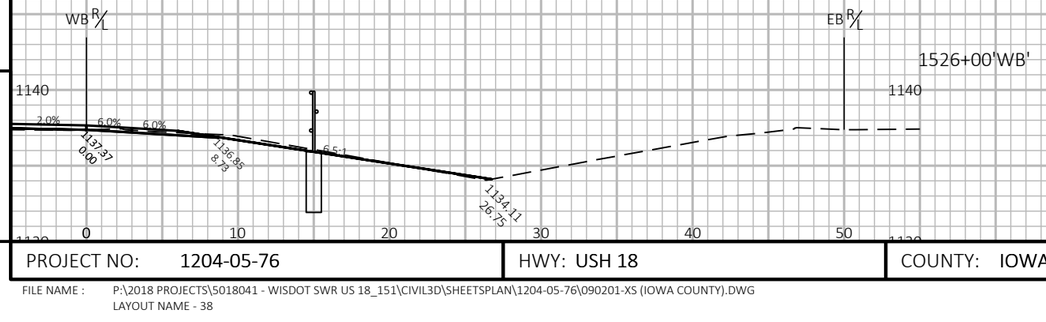


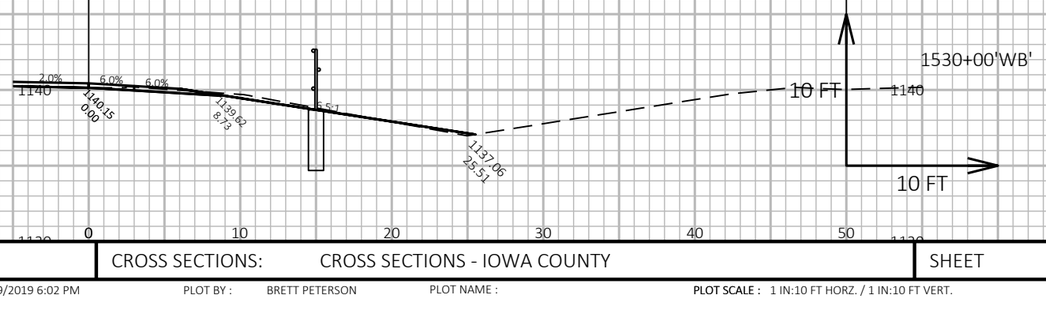












9

9

PROJECT NO: 1204-05-76	HWY: USH 18	COUNTY: IOWA & DANE	CROSS SECTIONS: CROSS SECTIONS - IOWA COUNTY	SHEET 84	E

FILE NAME : P:\2018 PROJECTS\5018041 - WISDOT SWR US 18_151\CIVIL3D\SHEETSPLAN\1204-05-76\090201-XS (IOWA COUNTY).DWG
LAYOUT NAME - 38

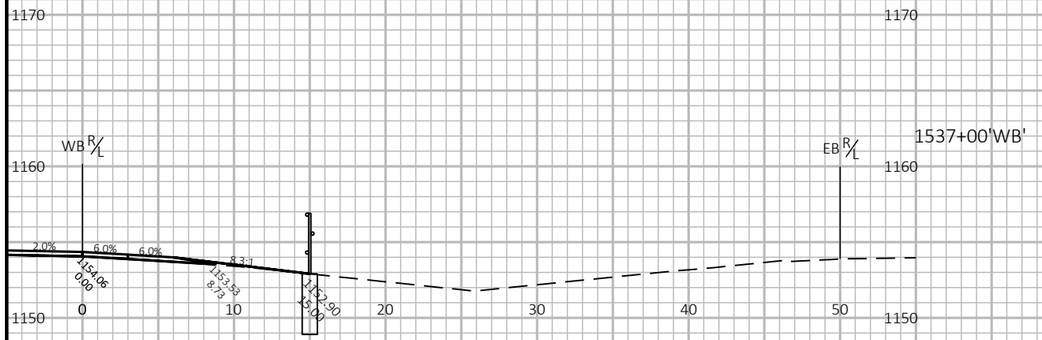
PLOT DATE : 12/9/2019 6:02 PM

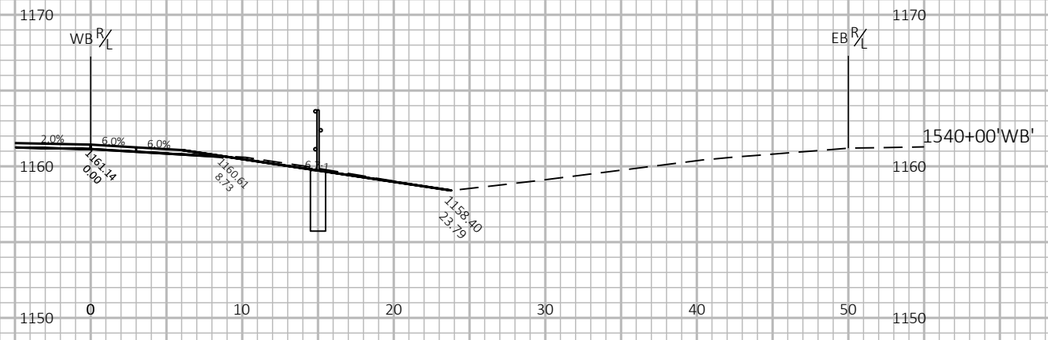
PLOT BY : BRETT PETERSON

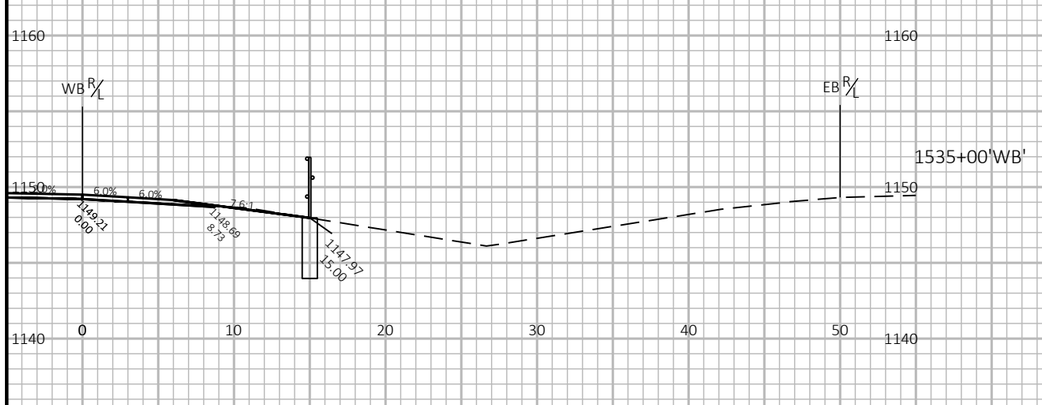
PLOT NAME :

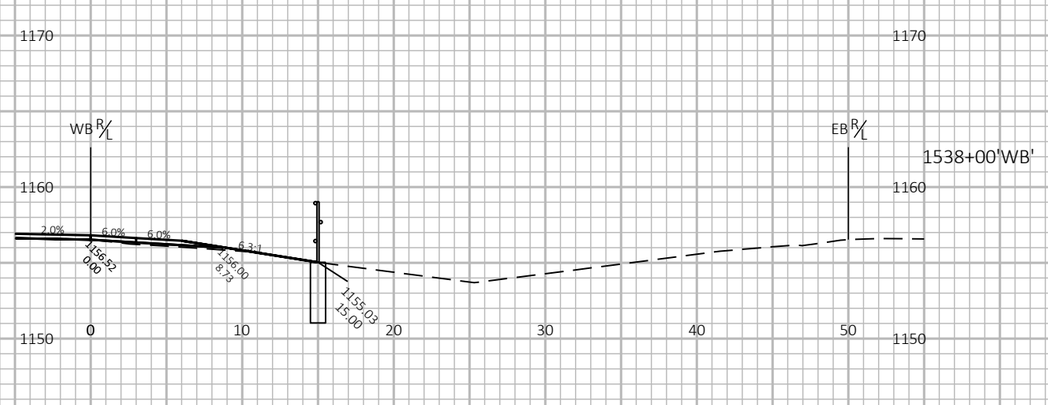
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

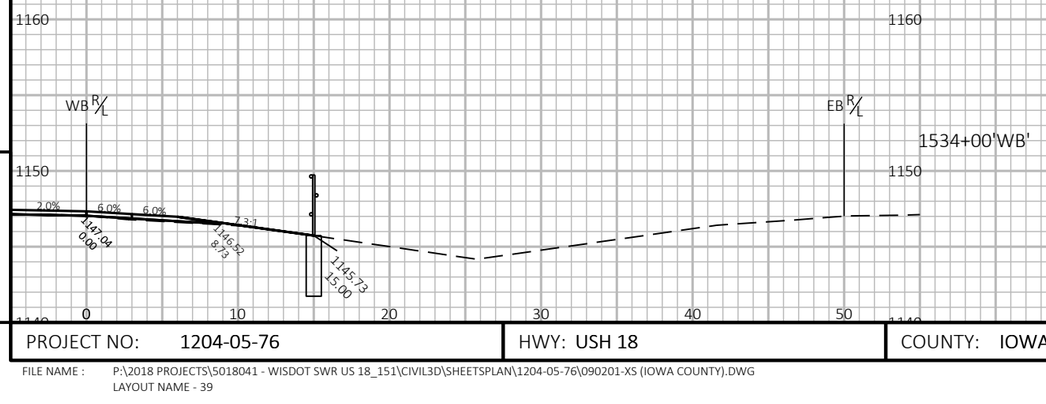
WISDOT/CADDS SHEET 49

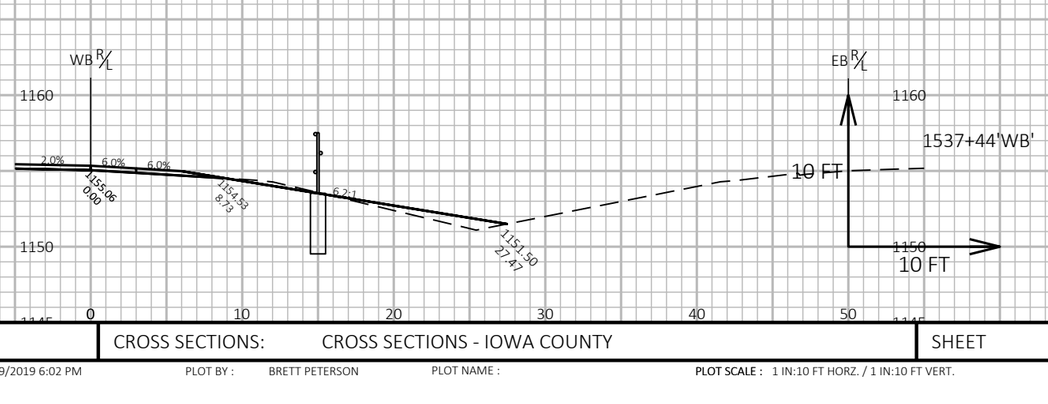












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PROJECT NO: 1204-05-76	HWY: USH 18	COUNTY: IOWA & DANE	CROSS SECTIONS: CROSS SECTIONS - IOWA COUNTY	SHEET 85	E

FILE NAME : P:\2018 PROJECTS\5018041 - WISDOT SWR US 18_151\CIVIL3D\SHEETSPLAN\1204-05-76\090201-XS (IOWA COUNTY).DWG
LAYOUT NAME - 39

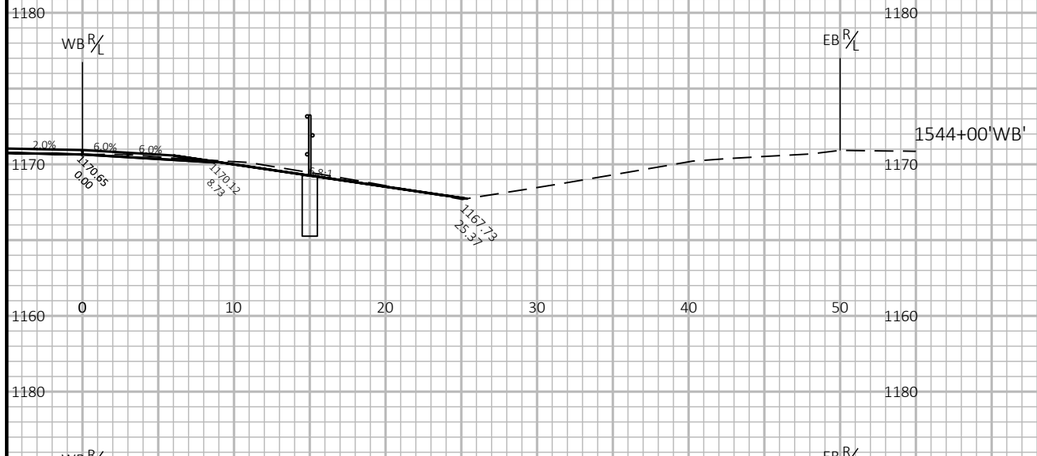
PLOT DATE : 12/9/2019 6:02 PM

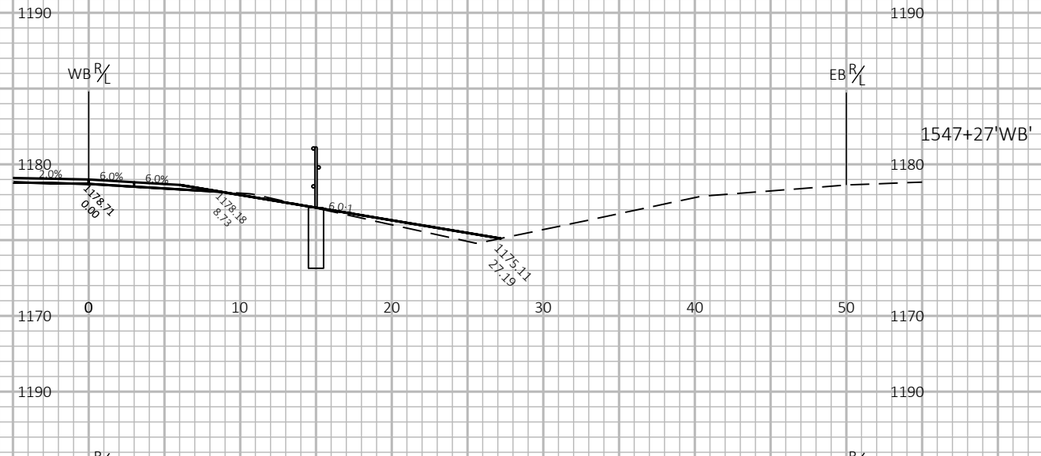
PLOT BY : BRETT PETERSON

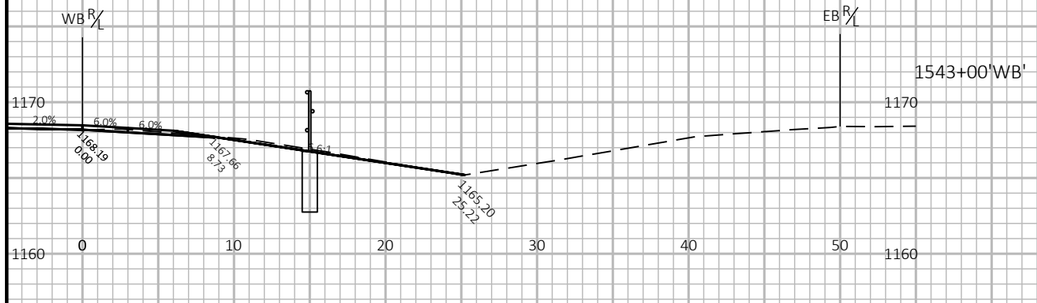
PLOT NAME :

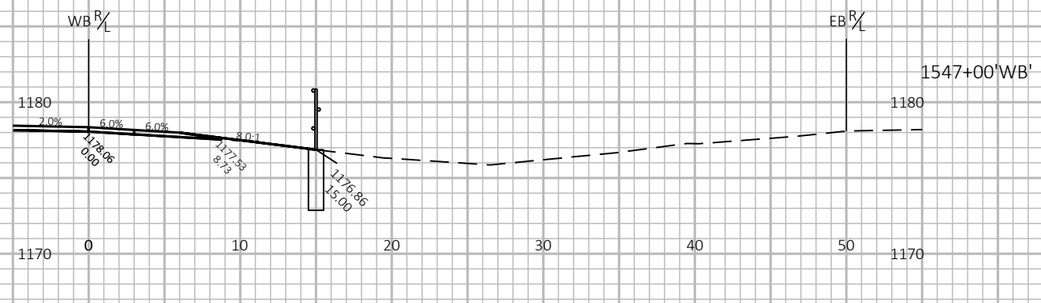
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

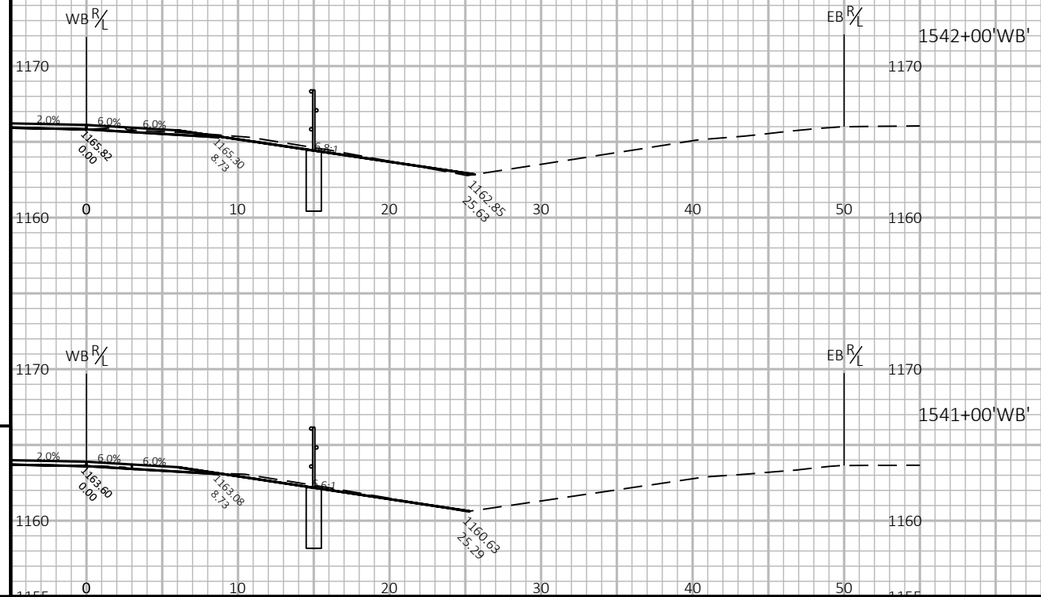
WISDOT/CADDS SHEET 49

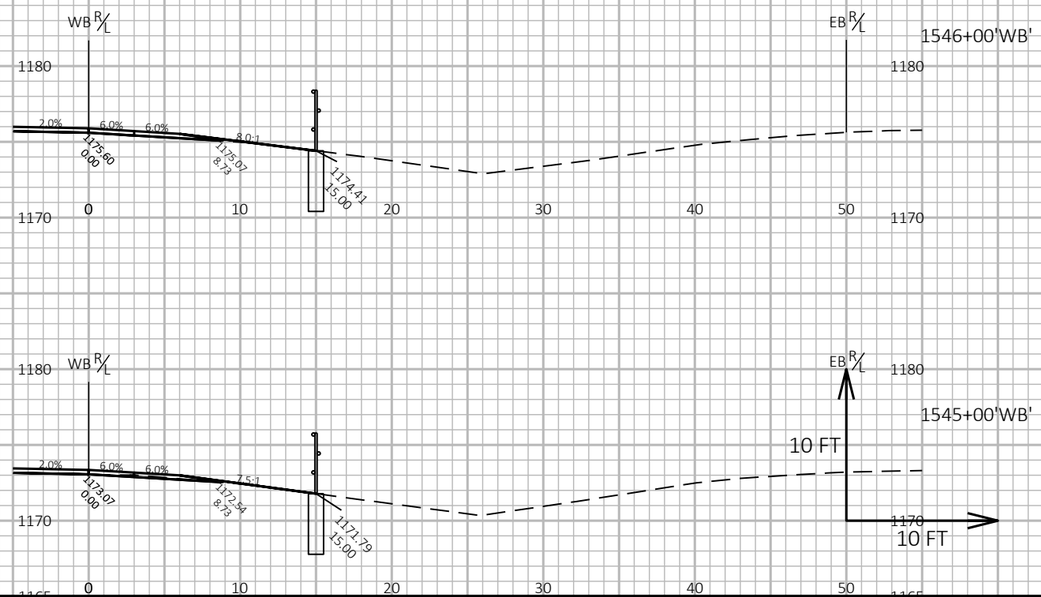












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PROJECT NO: 1204-05-76	HWY: USH 18	COUNTY: IOWA & DANE	CROSS SECTIONS: CROSS SECTIONS - IOWA COUNTY	SHEET 86	E

FILE NAME : P:\2018 PROJECTS\5018041 - WISDOT SWR US 18_151\CIVIL3D\SHEETSPLAN\1204-05-76\090201-XS (IOWA COUNTY).DWG
LAYOUT NAME - 40

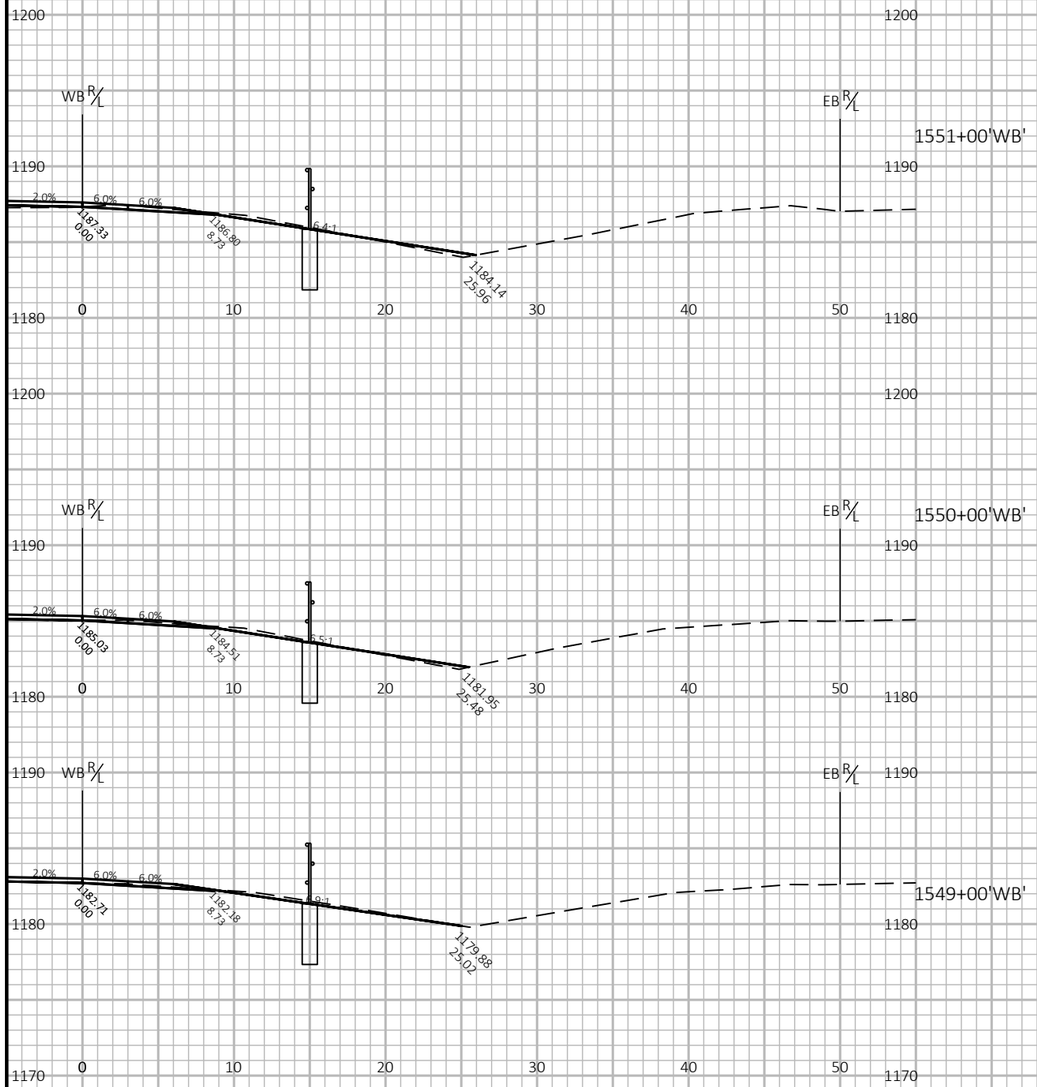
PLOT DATE : 12/9/2019 6:03 PM

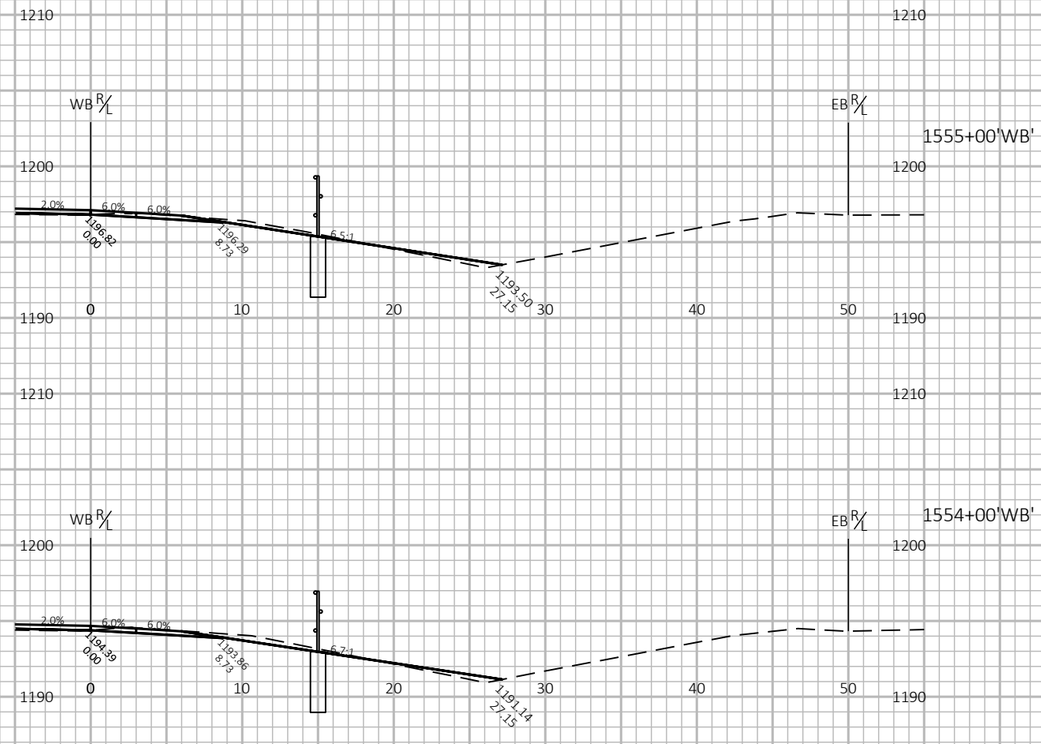
PLOT BY : BRETT PETERSON

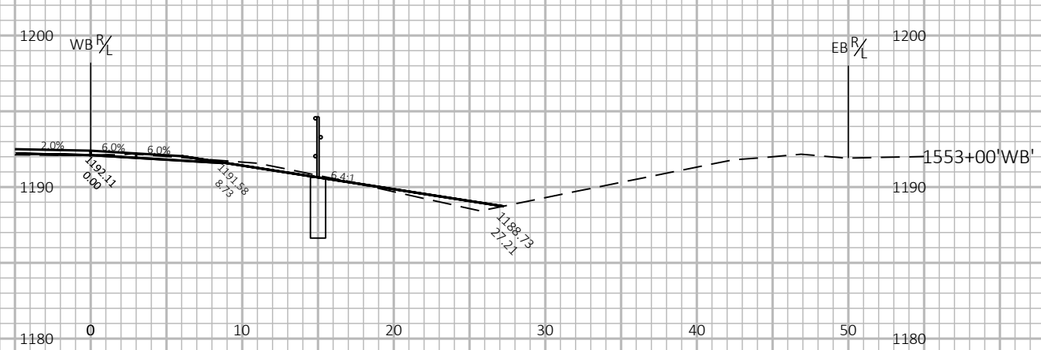
PLOT NAME :

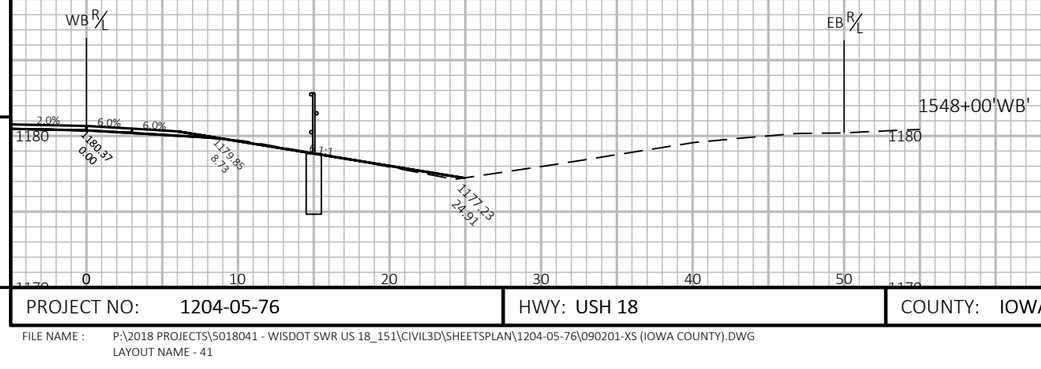
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

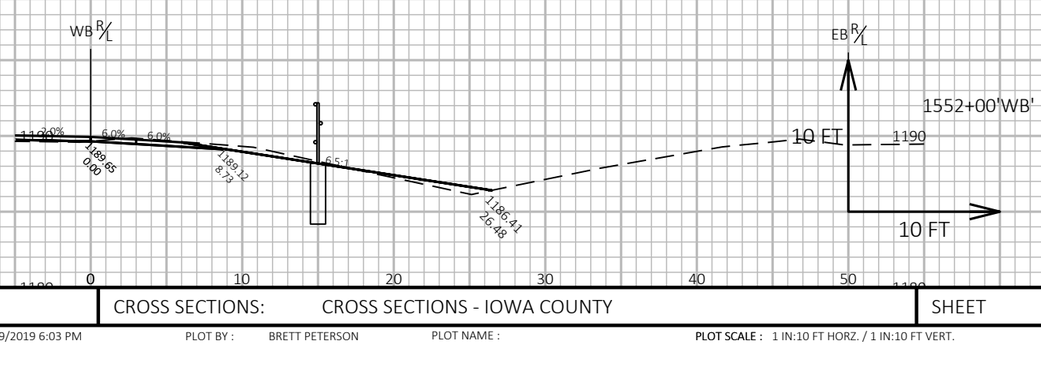
WISDOT/CADDS SHEET 49











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PROJECT NO: 1204-05-76	HWY: USH 18	COUNTY: IOWA & DANE	CROSS SECTIONS: CROSS SECTIONS - IOWA COUNTY	SHEET 87	E

FILE NAME : P:\2018 PROJECTS\5018041 - WISDOT SWR US 18_151\CIVIL3D\SHEETSPLAN\1204-05-76\090201-XS (IOWA COUNTY).DWG
LAYOUT NAME - 41

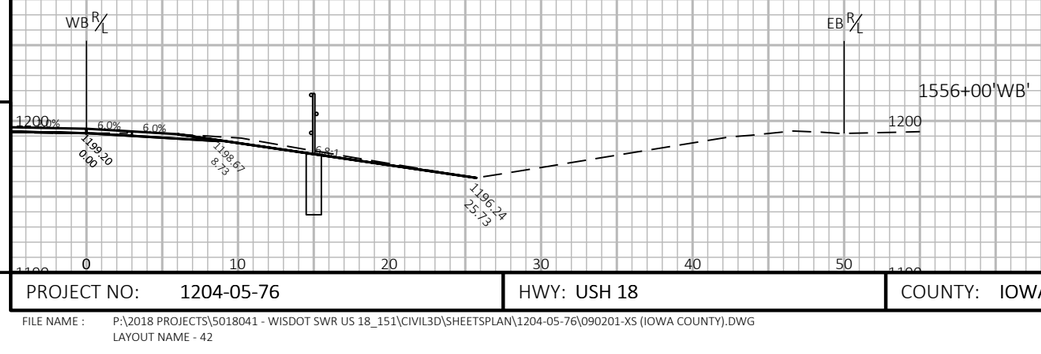
PLOT DATE : 12/9/2019 6:03 PM

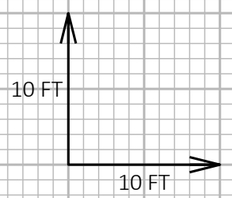
PLOT BY : BRETT PETERSON

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49





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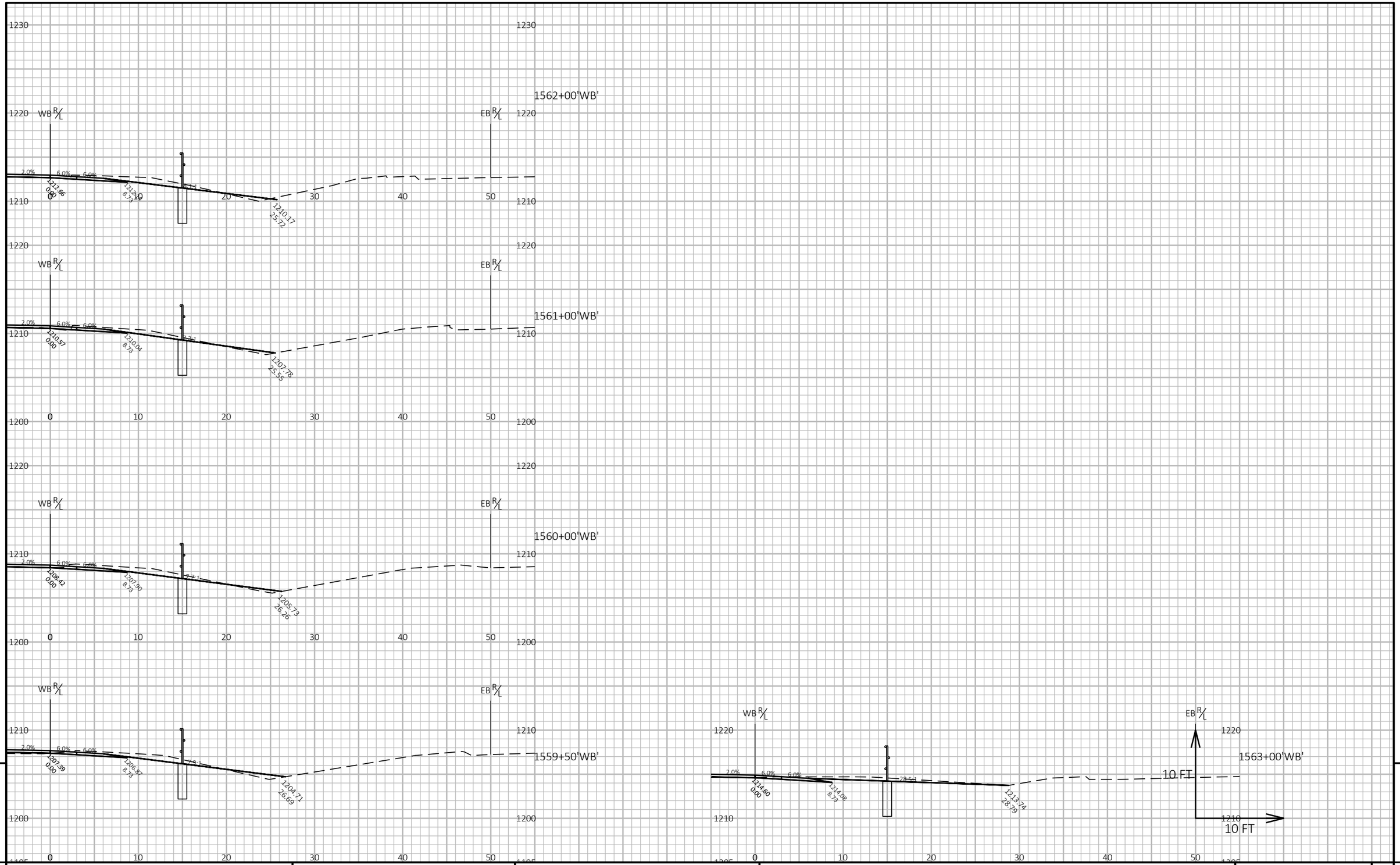
PROJECT NO: 1204-05-76	HWY: USH 18	COUNTY: IOWA & DANE	CROSS SECTIONS: CROSS SECTIONS - IOWA COUNTY	SHEET 88	E

FILE NAME : P:\2018 PROJECTS\5018041 - WISDOT SWR US 18_151\CIVIL3D\SHEETSPLAN\1204-05-76\090201-XS (IOWA COUNTY).DWG
LAYOUT NAME - 42

PLOT DATE : 12/9/2019 6:04 PM PLOT BY : BRETT PETERSON PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 1204-05-76	HWY: USH 18	COUNTY: IOWA & DANE	CROSS SECTIONS: CROSS SECTIONS - IOWA COUNTY	SHEET 89	E

FILE NAME : P:\2018 PROJECTS\5018041 - WISDOT SWR US 18_151\CIVIL3D\SHEETSPLAN\1204-05-76\090201-XS (IOWA COUNTY).DWG
LAYOUT NAME - 43

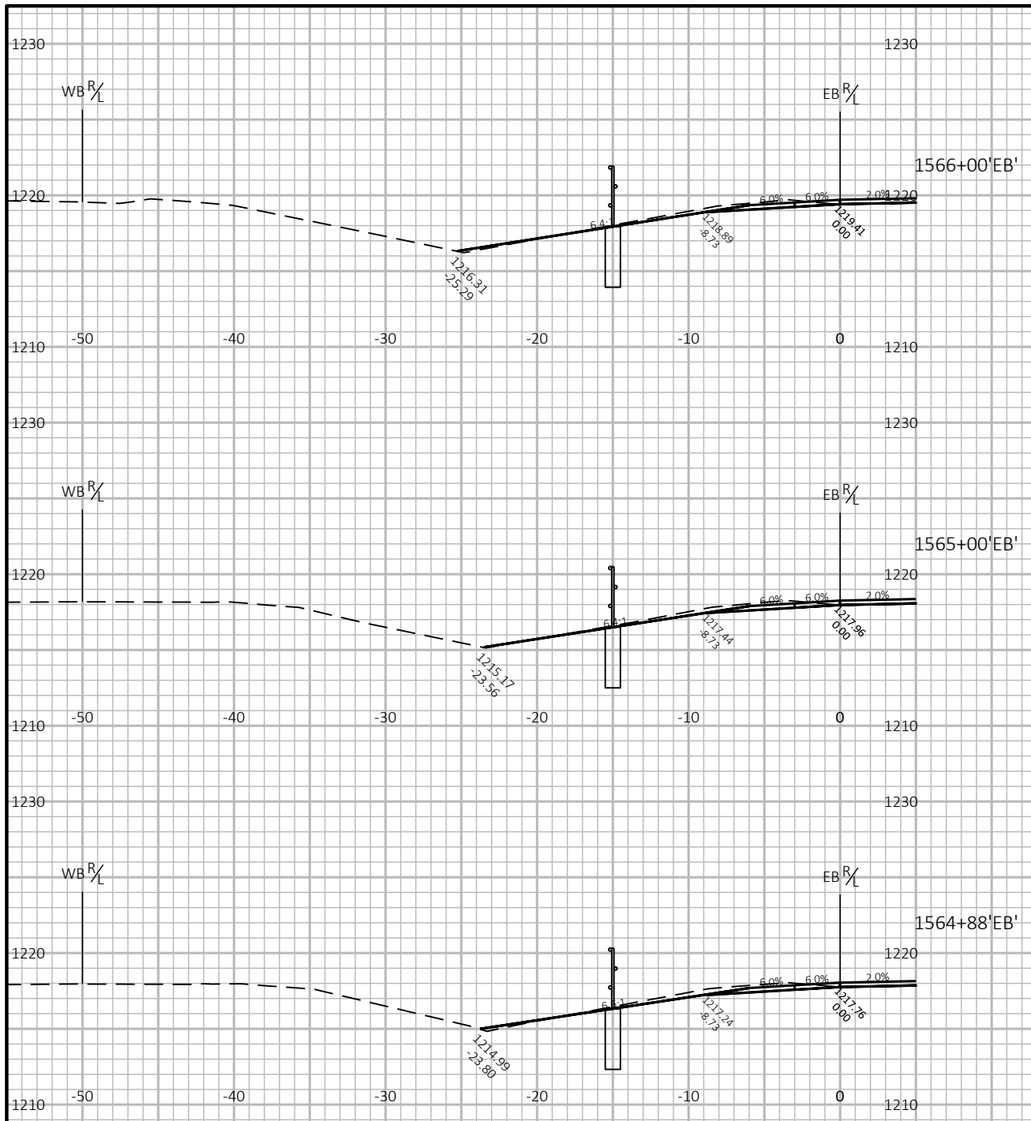
PLOT DATE : 12/9/2019 6:04 PM

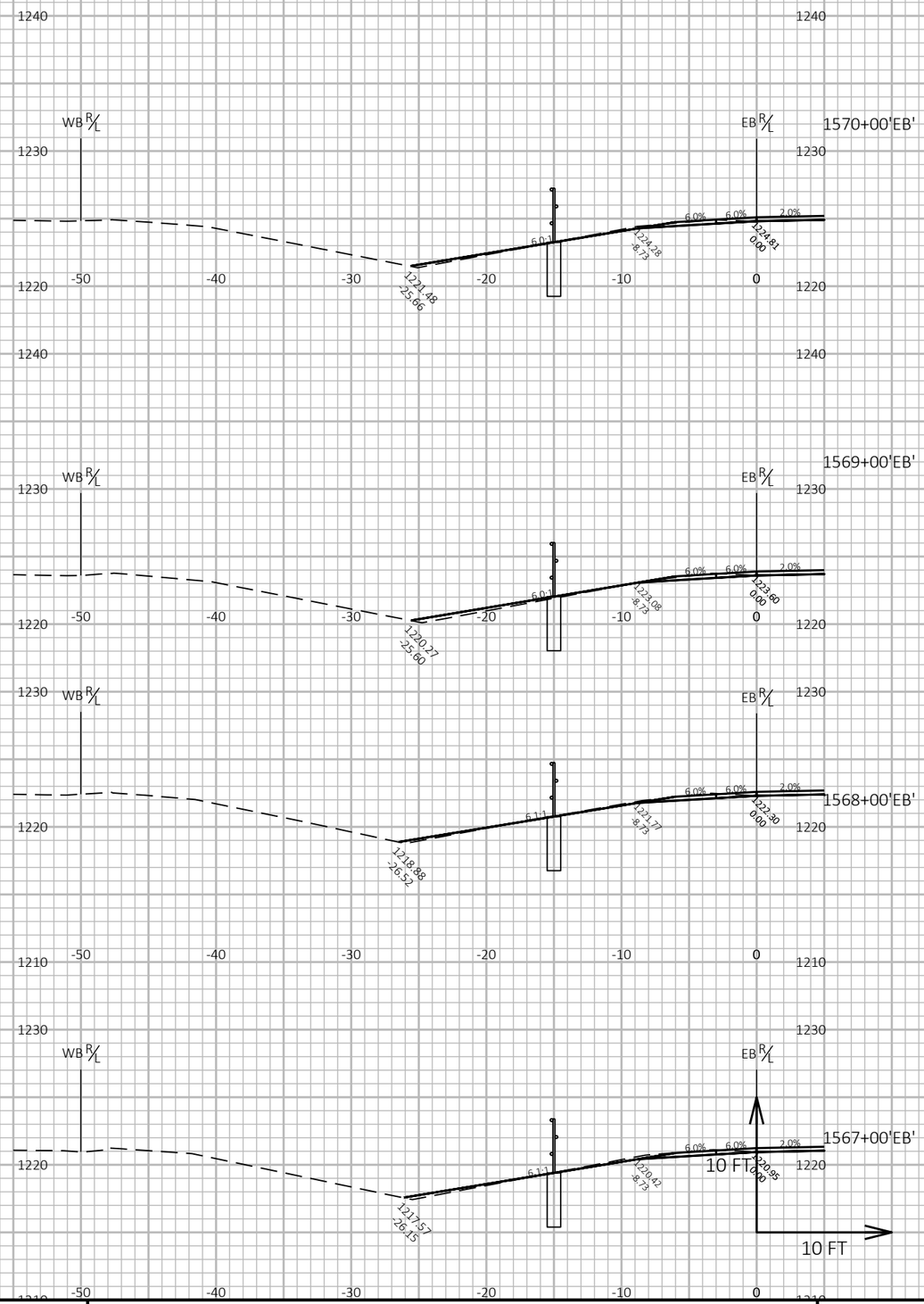
PLOT BY : BRETT PETERSON

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49





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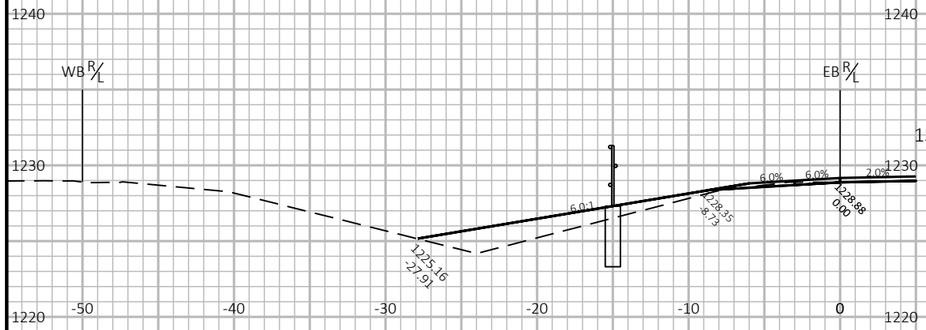
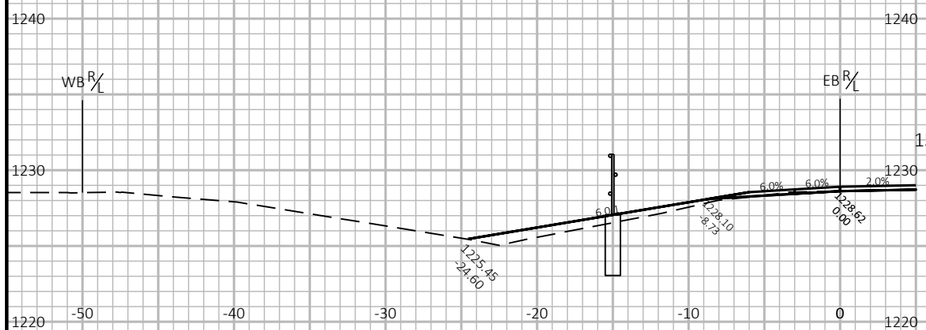
PROJECT NO: 1204-05-76	HWY: USH 18	COUNTY: IOWA & DANE	CROSS SECTIONS: CROSS SECTIONS - IOWA COUNTY	SHEET 90	E

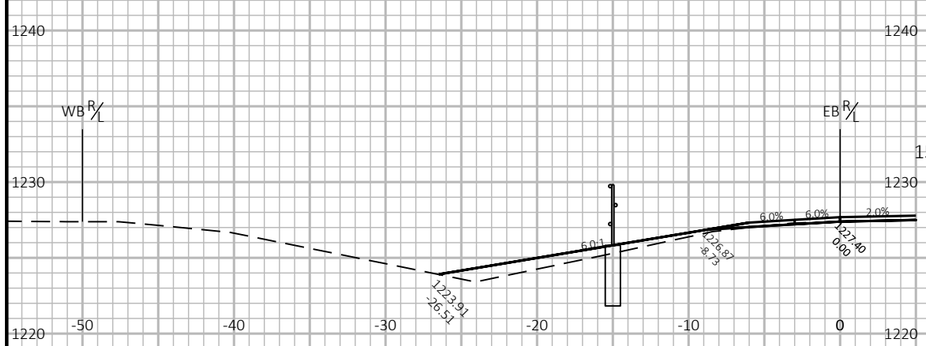
FILE NAME : P:\2018 PROJECTS\5018041 - WISDOT SWR US 18_151\CIVIL3D\SHEETSPLAN\1204-05-76\090201-XS (IOWA COUNTY).DWG
LAYOUT NAME - 44

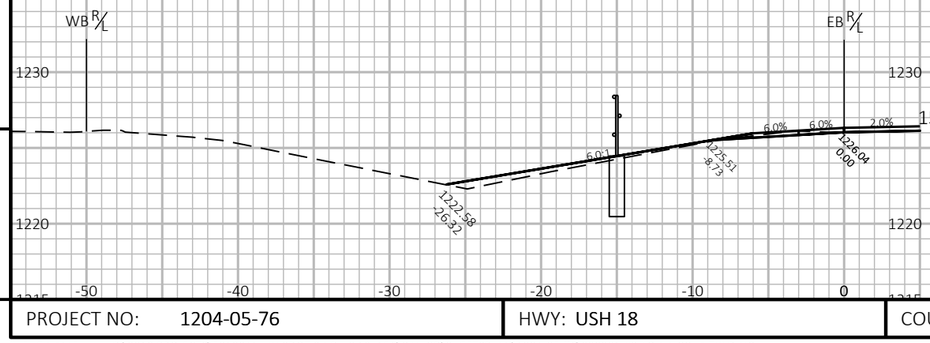
PLOT DATE : 12/9/2019 6:04 PM PLOT BY : BRETT PETERSON PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

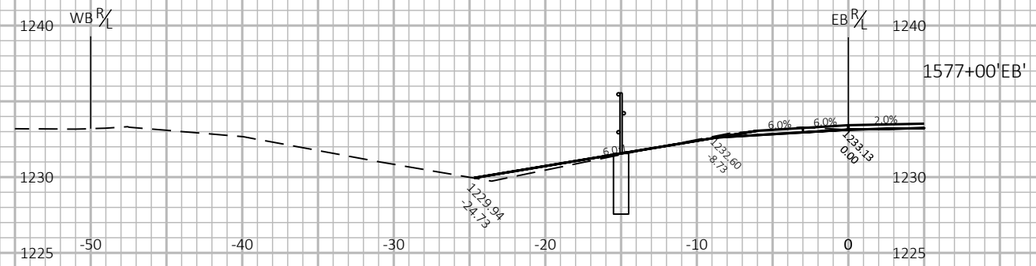
WISDOT/CADDS SHEET 49

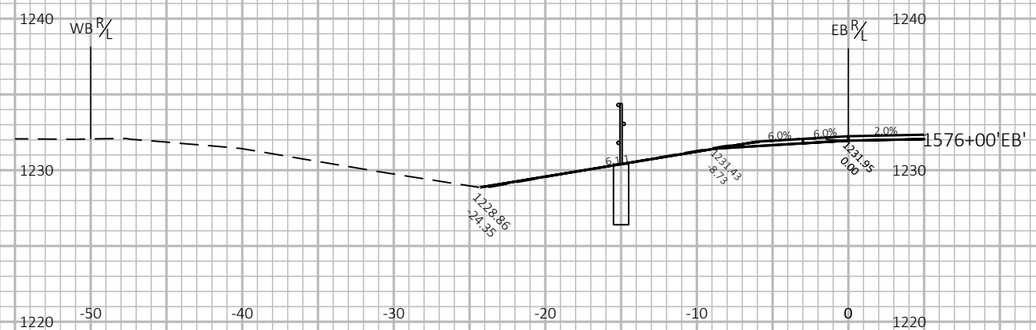


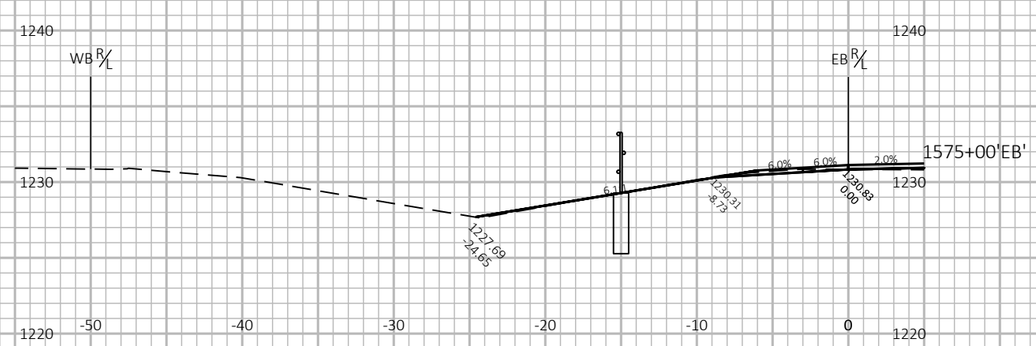


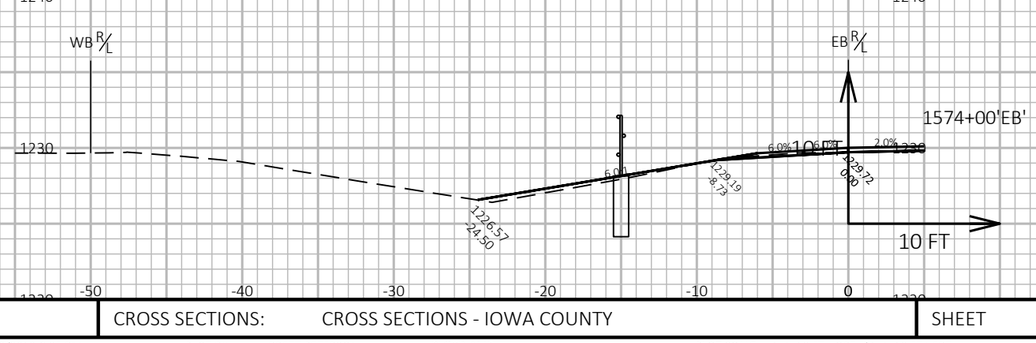












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PROJECT NO: 1204-05-76	HWY: USH 18	COUNTY: IOWA & DANE	CROSS SECTIONS: CROSS SECTIONS - IOWA COUNTY	SHEET 91	E

FILE NAME : P:\2018 PROJECTS\5018041 - WISDOT SWR US 18_151\CIVIL3D\SHEETSPLAN\1204-05-76\090201-XS (IOWA COUNTY).DWG
LAYOUT NAME - 45

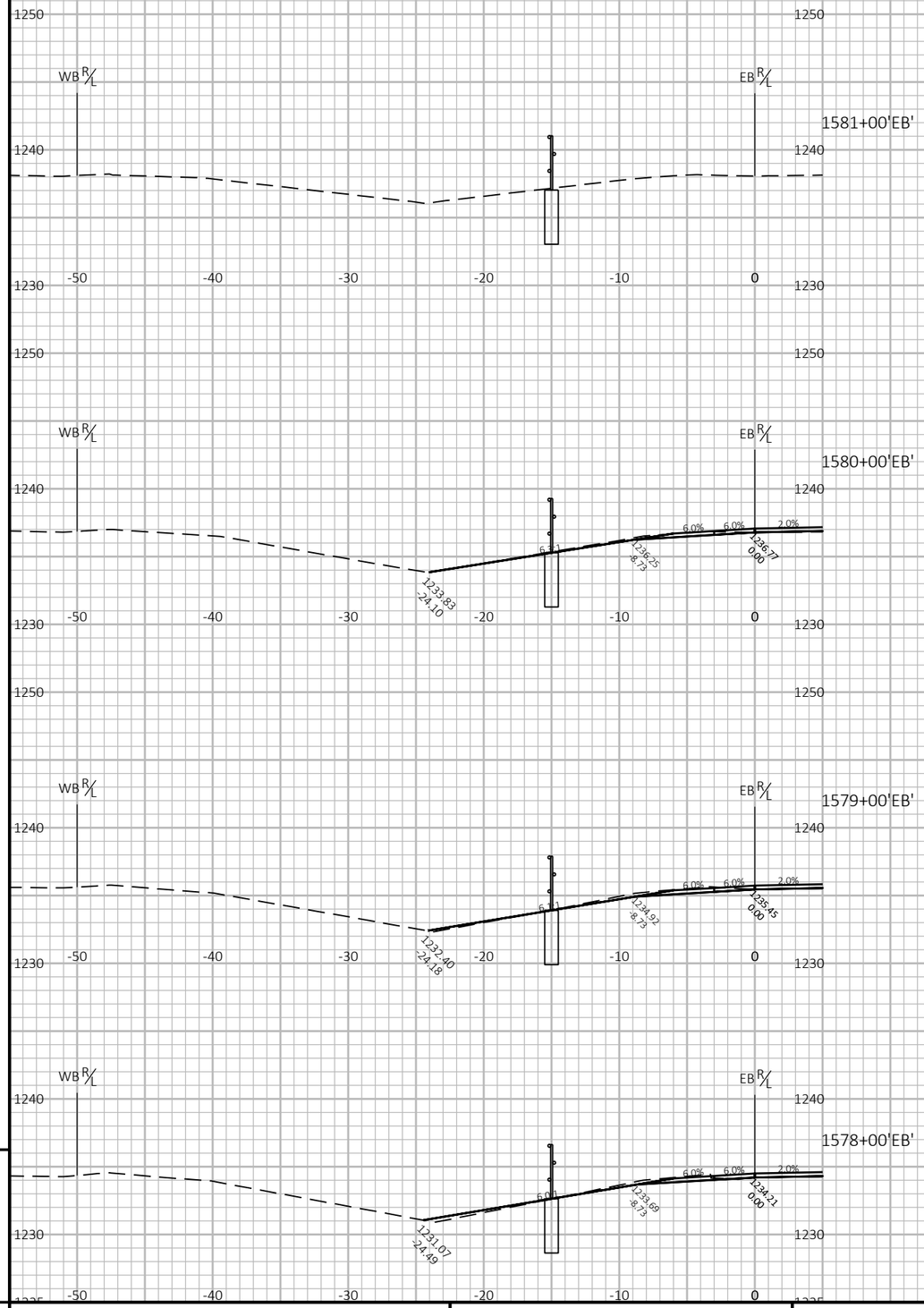
PLOT DATE : 12/9/2019 6:05 PM

PLOT BY : BRETT PETERSON

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



10 FT

10 FT

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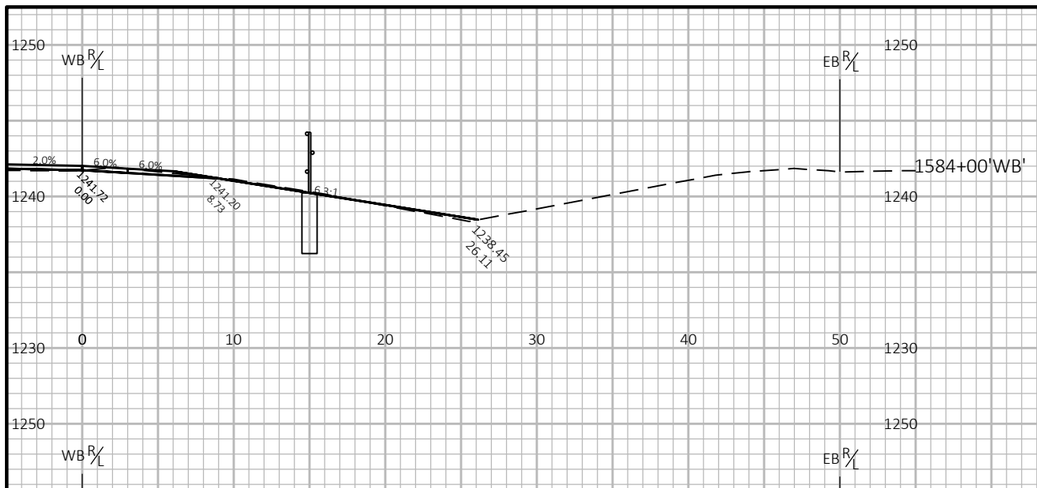
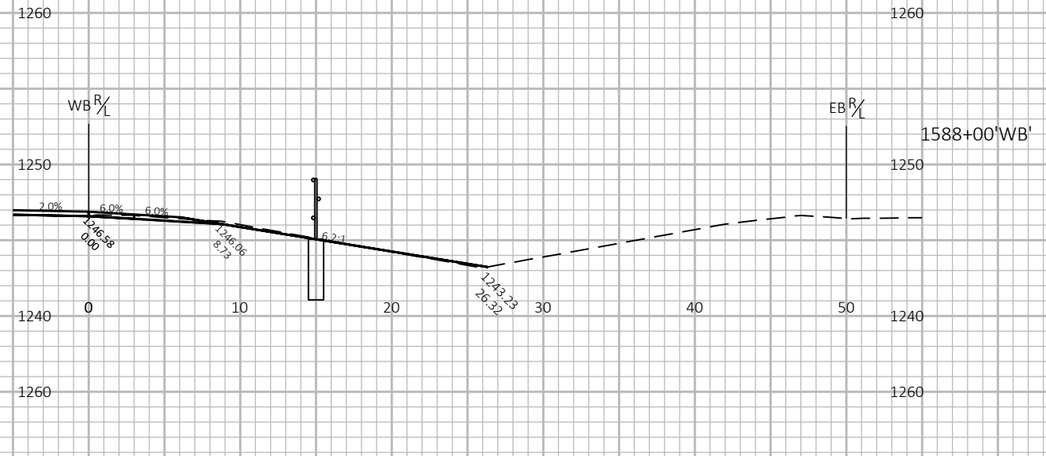
PROJECT NO: 1204-05-76	HWY: USH 18	COUNTY: IOWA & DANE	CROSS SECTIONS: CROSS SECTIONS - IOWA COUNTY	SHEET 92	E

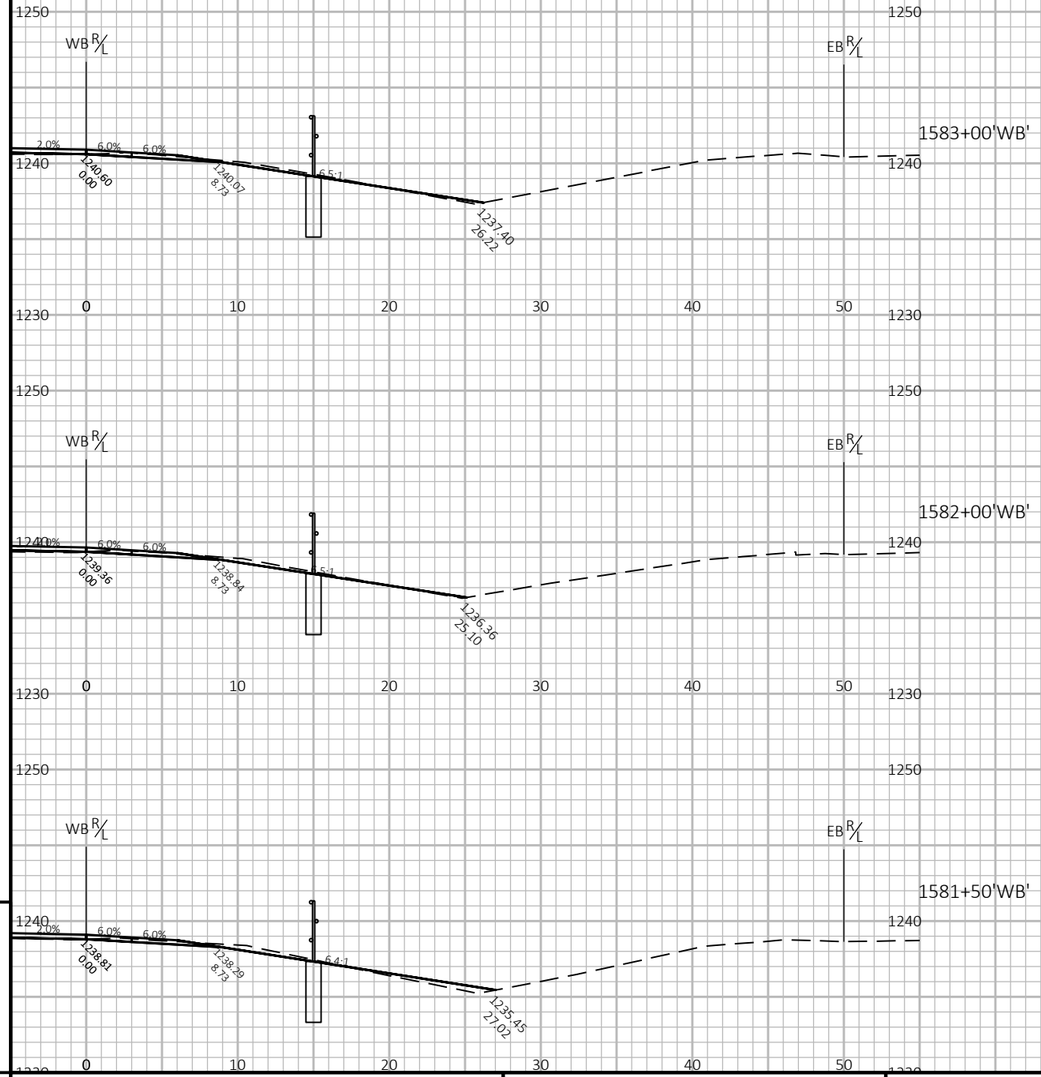
FILE NAME : P:\2018 PROJECTS\5018041 - WISDOT SWR US 18_151\CIVIL3D\SHEETSPLAN\1204-05-76\090201-XS (IOWA COUNTY).DWG
LAYOUT NAME - 46

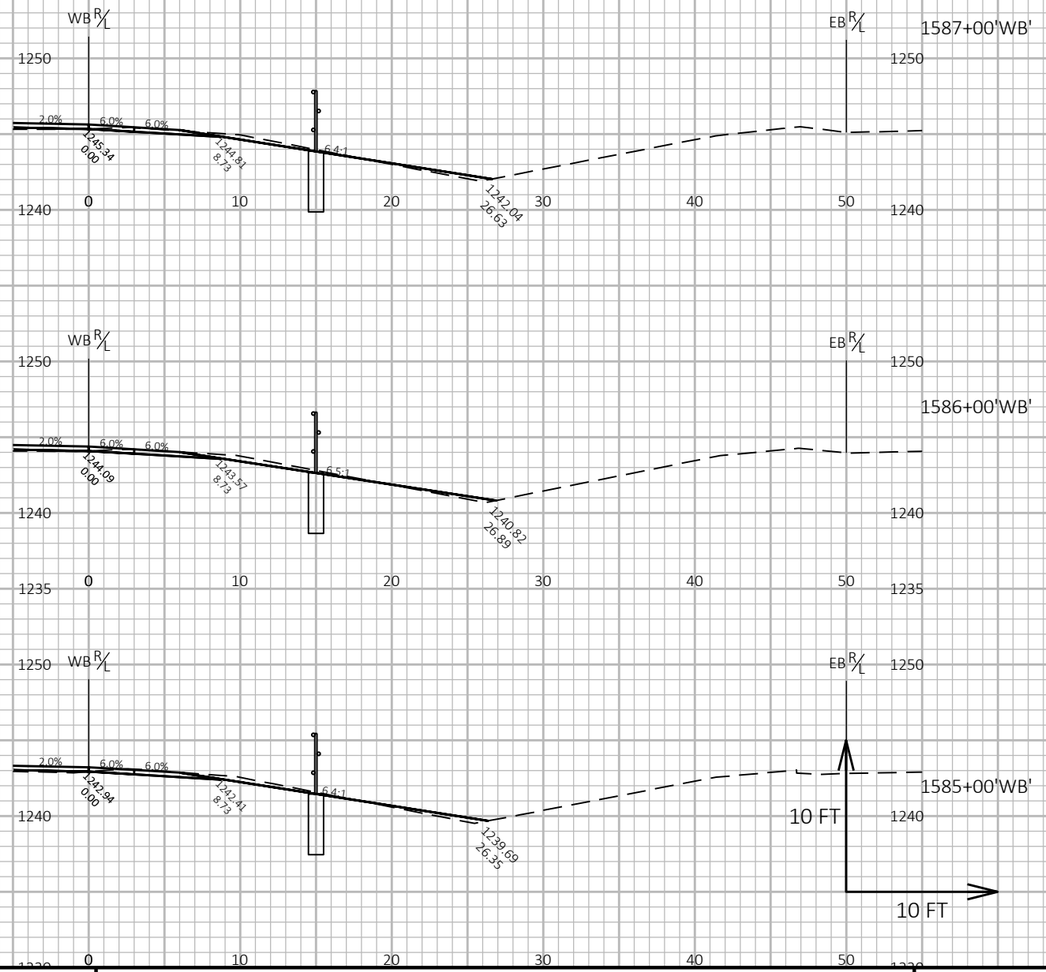
PLOT DATE : 12/9/2019 6:47 PM PLOT BY : BRETT PETERSON PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49









9

9

PROJECT NO: 1204-05-76	HWY: USH 18	COUNTY: IOWA & DANE	CROSS SECTIONS: CROSS SECTIONS - IOWA COUNTY	SHEET 93	E

FILE NAME : P:\2018 PROJECTS\5018041 - WISDOT SWR US 18_151\CIVIL3D\SHEETSPLAN\1204-05-76\090201-XS (IOWA COUNTY).DWG
LAYOUT NAME - 47

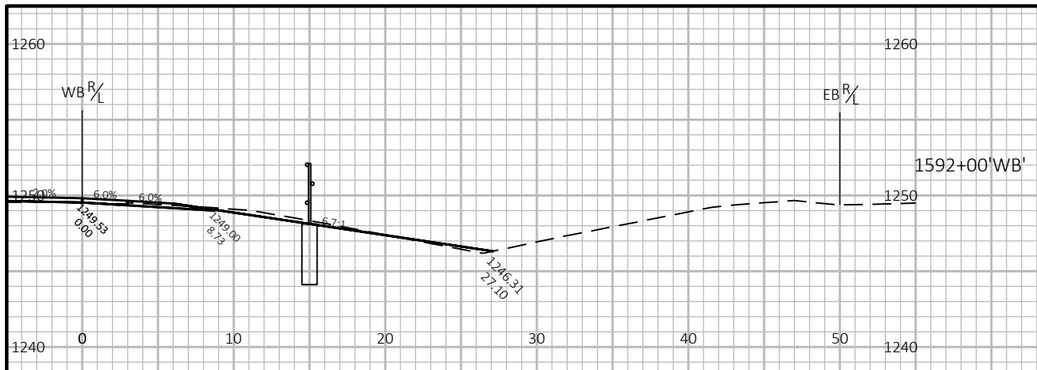
PLOT DATE : 12/9/2019 6:49 PM

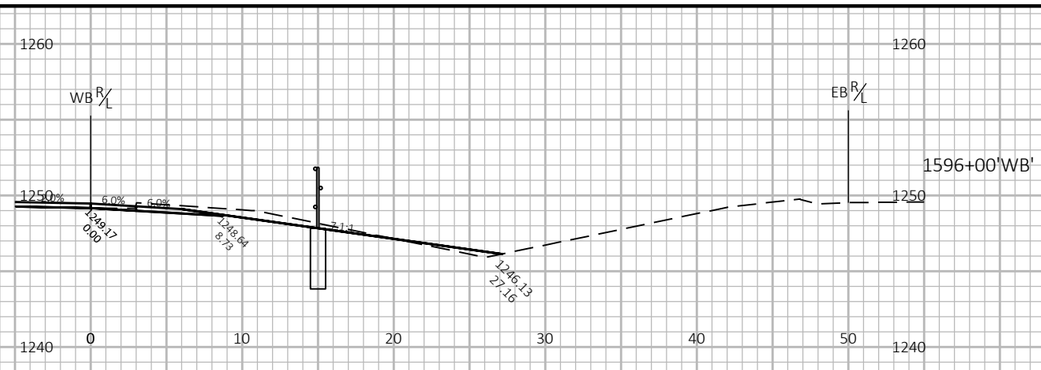
PLOT BY : BRETT PETERSON

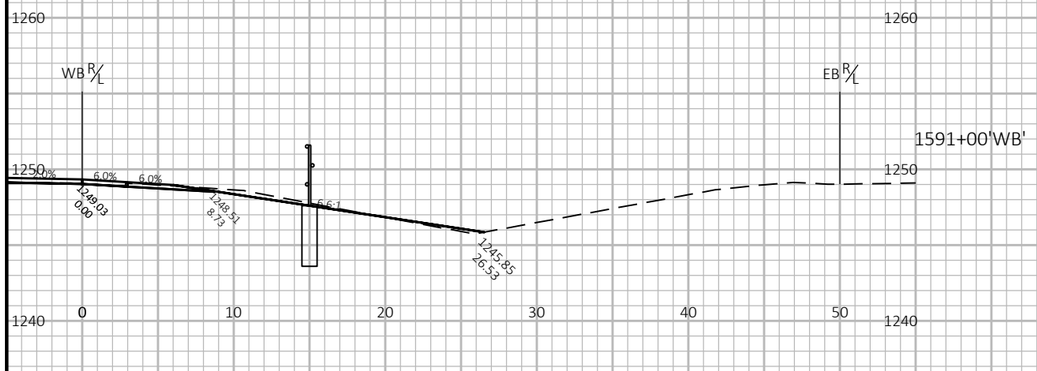
PLOT NAME :

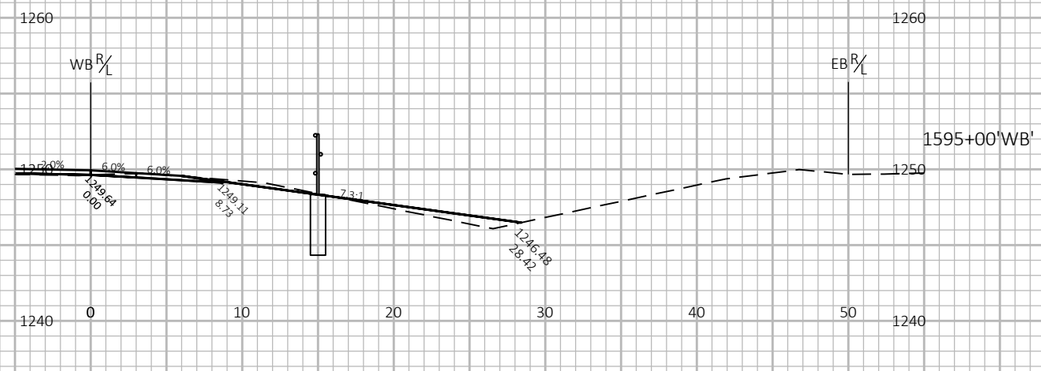
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

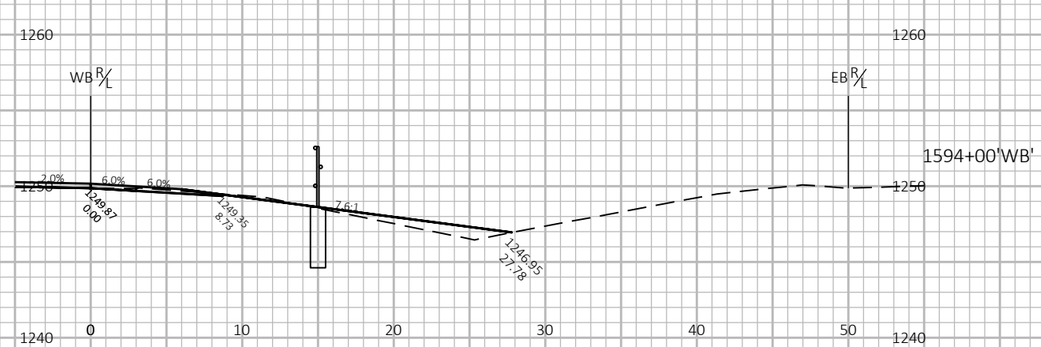
WISDOT/CADDS SHEET 49

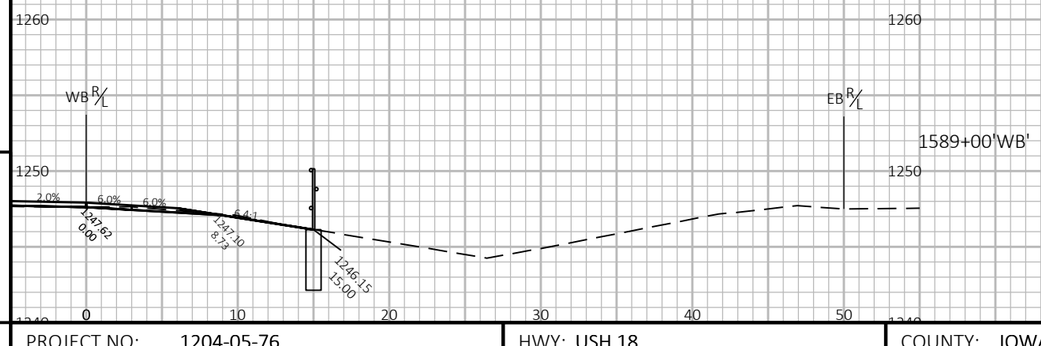


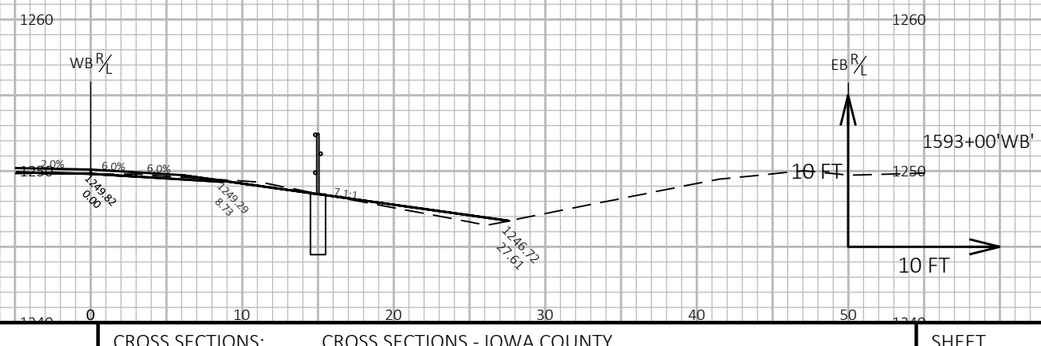












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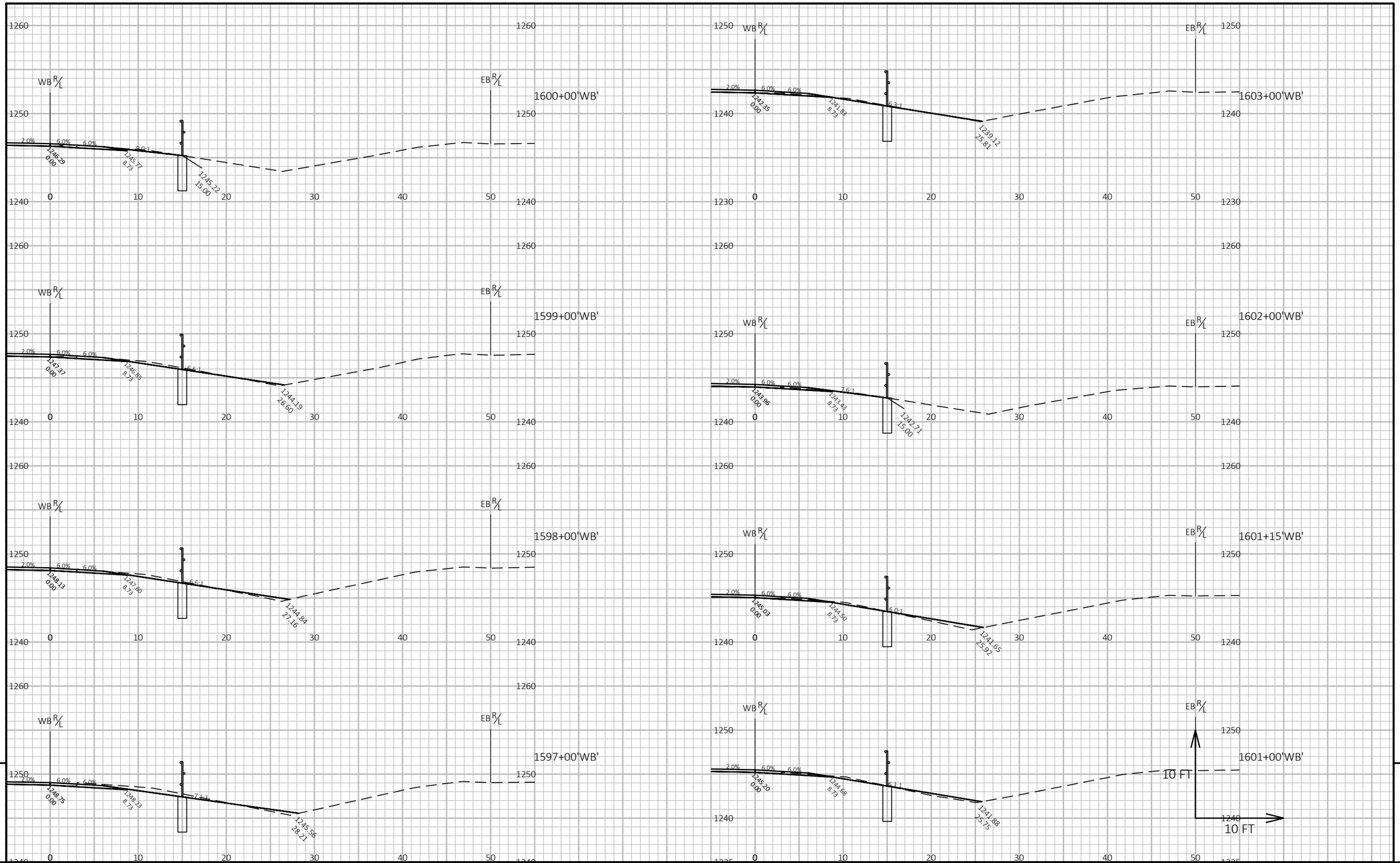
9

PROJECT NO: 1204-05-76	HWY: USH 18	COUNTY: IOWA & DANE	CROSS SECTIONS: CROSS SECTIONS - IOWA COUNTY	SHEET 94	E

FILE NAME : P:\2018 PROJECTS\5018041 - WISDOT SWR US 18_151\CIVIL3D\SHEETSPLAN\1204-05-76\090201-XS (IOWA COUNTY).DWG
LAYOUT NAME - 48

PLOT DATE : 12/9/2019 6:52 PM PLOT BY : BRETT PETERSON PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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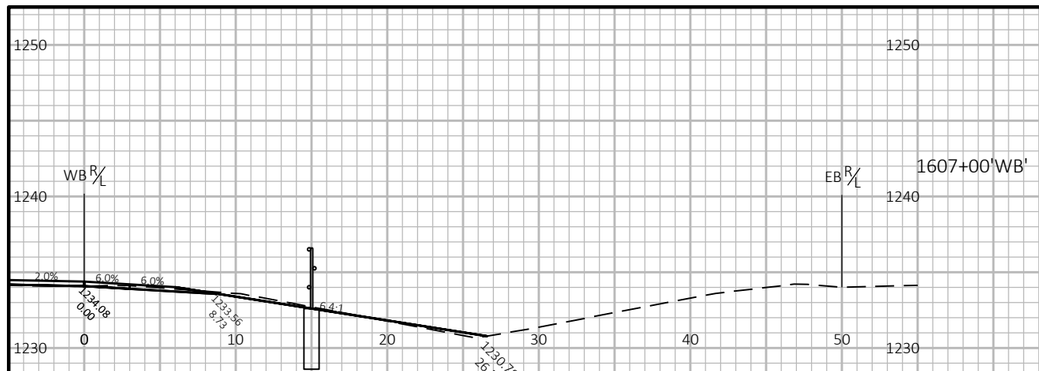
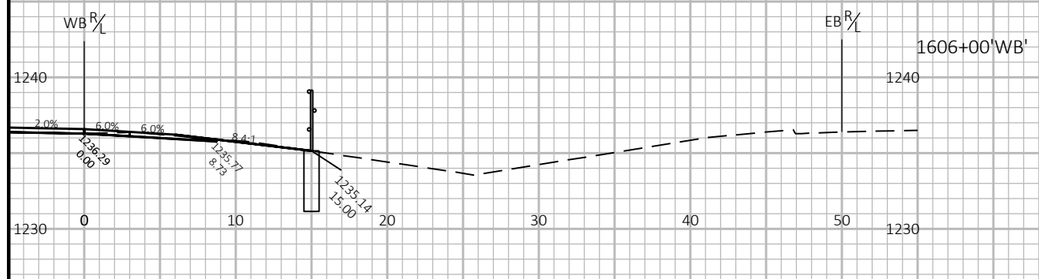
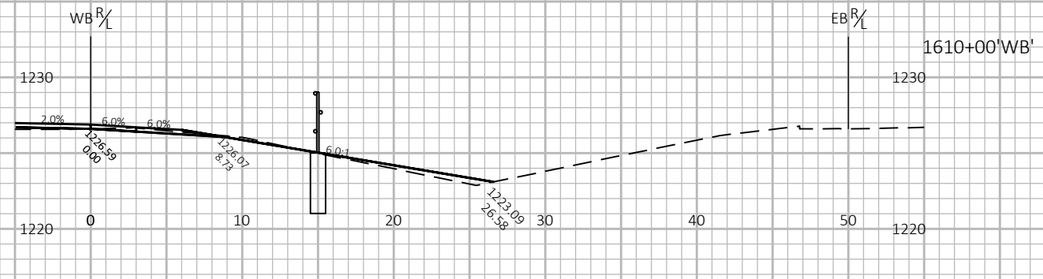
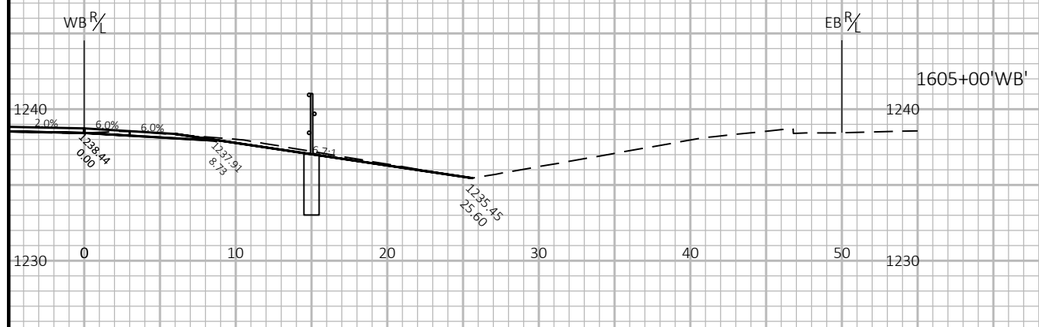
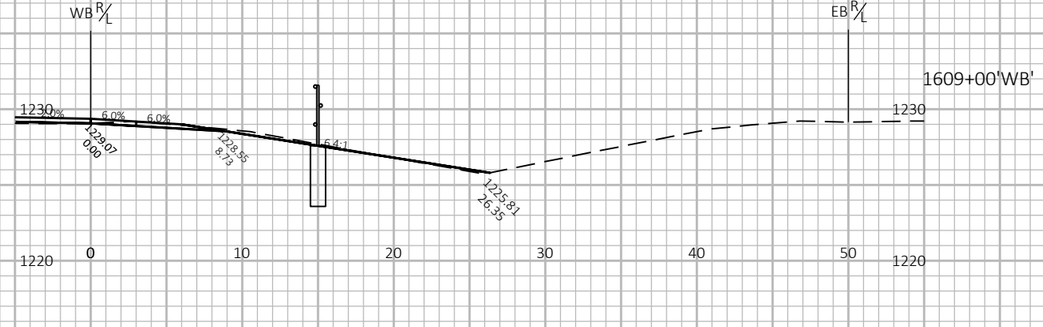
PROJECT NO: 1204-05-76	HWY: USH 18	COUNTY: IOWA & DANE	CROSS SECTIONS: CROSS SECTIONS - IOWA COUNTY	SHEET 95	E

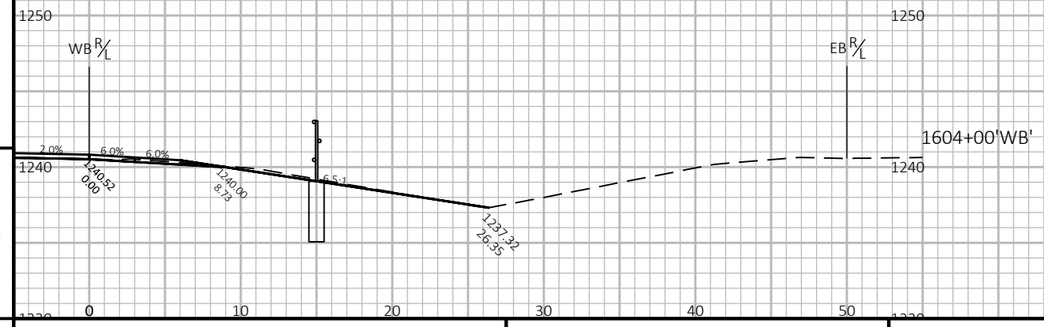


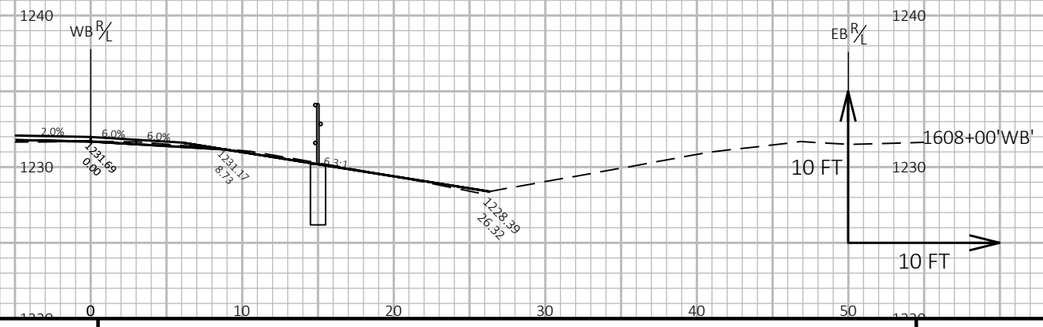












9

9

PROJECT NO: 1204-05-76	HWY: USH 18	COUNTY: IOWA & DANE	CROSS SECTIONS: CROSS SECTIONS - IOWA COUNTY	SHEET 96	E

FILE NAME : P:\2018 PROJECTS\5018041 - WISDOT SWR US 18_151\CIVIL3D\SHEETSPLAN\1204-05-76\090201-XS (IOWA COUNTY).DWG
LAYOUT NAME - 50

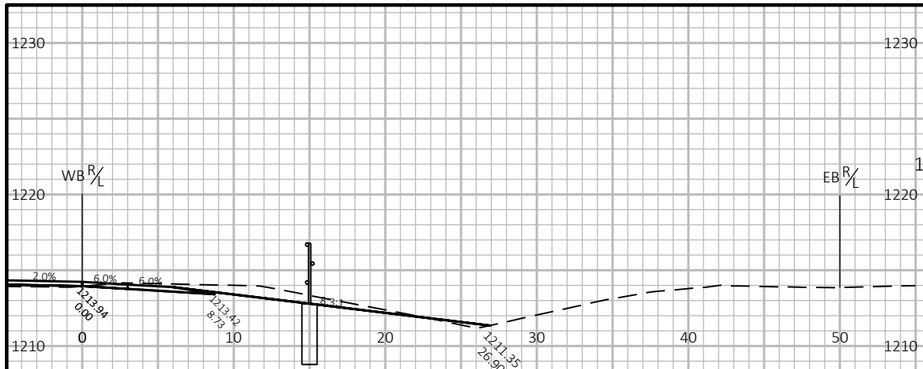
PLOT DATE : 12/9/2019 6:54 PM

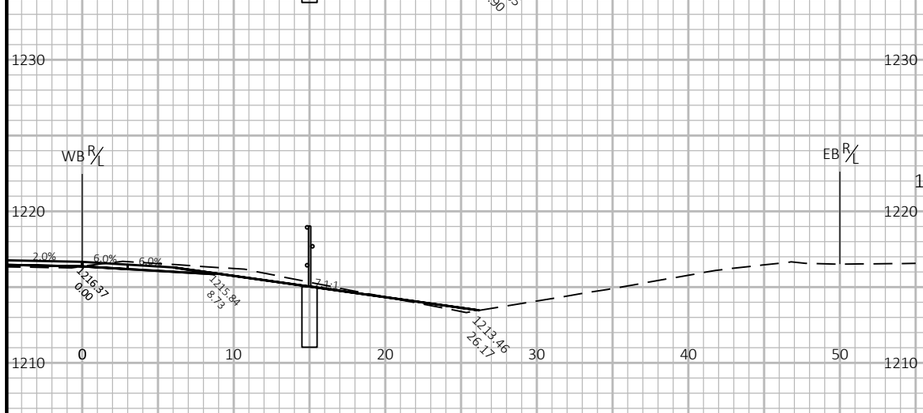
PLOT BY : BRETT PETERSON

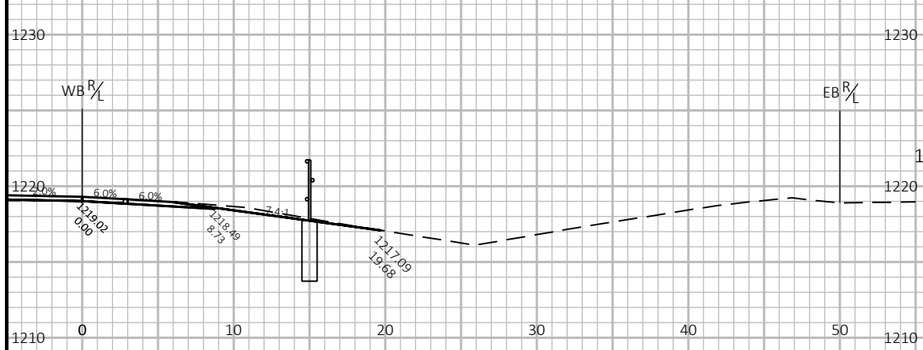
PLOT NAME :

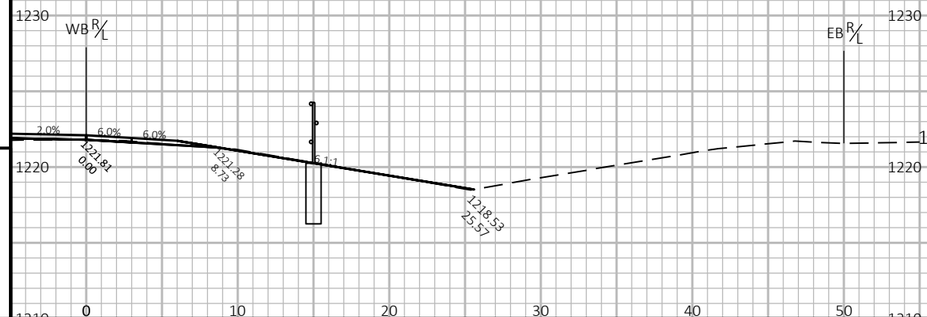
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

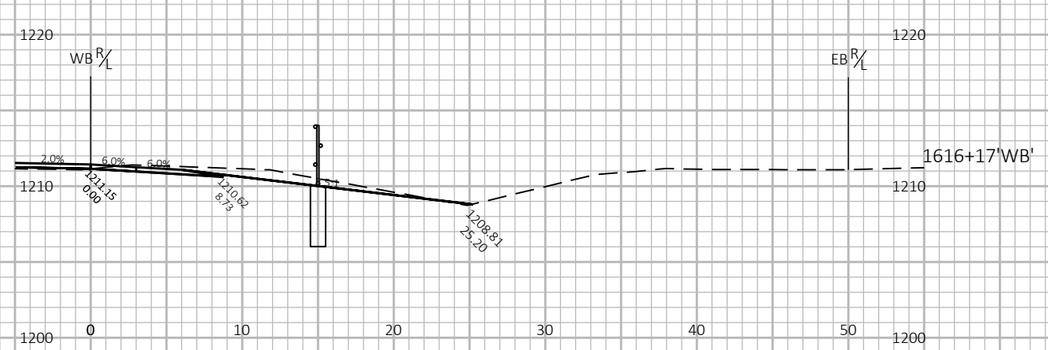
WISDOT/CADDS SHEET 49

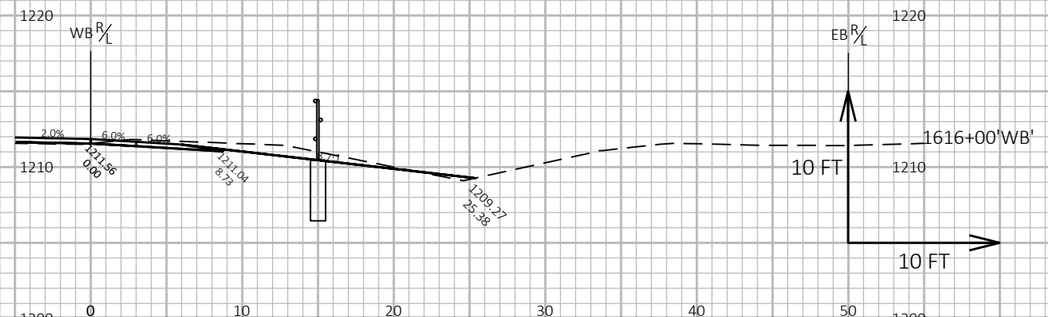












9

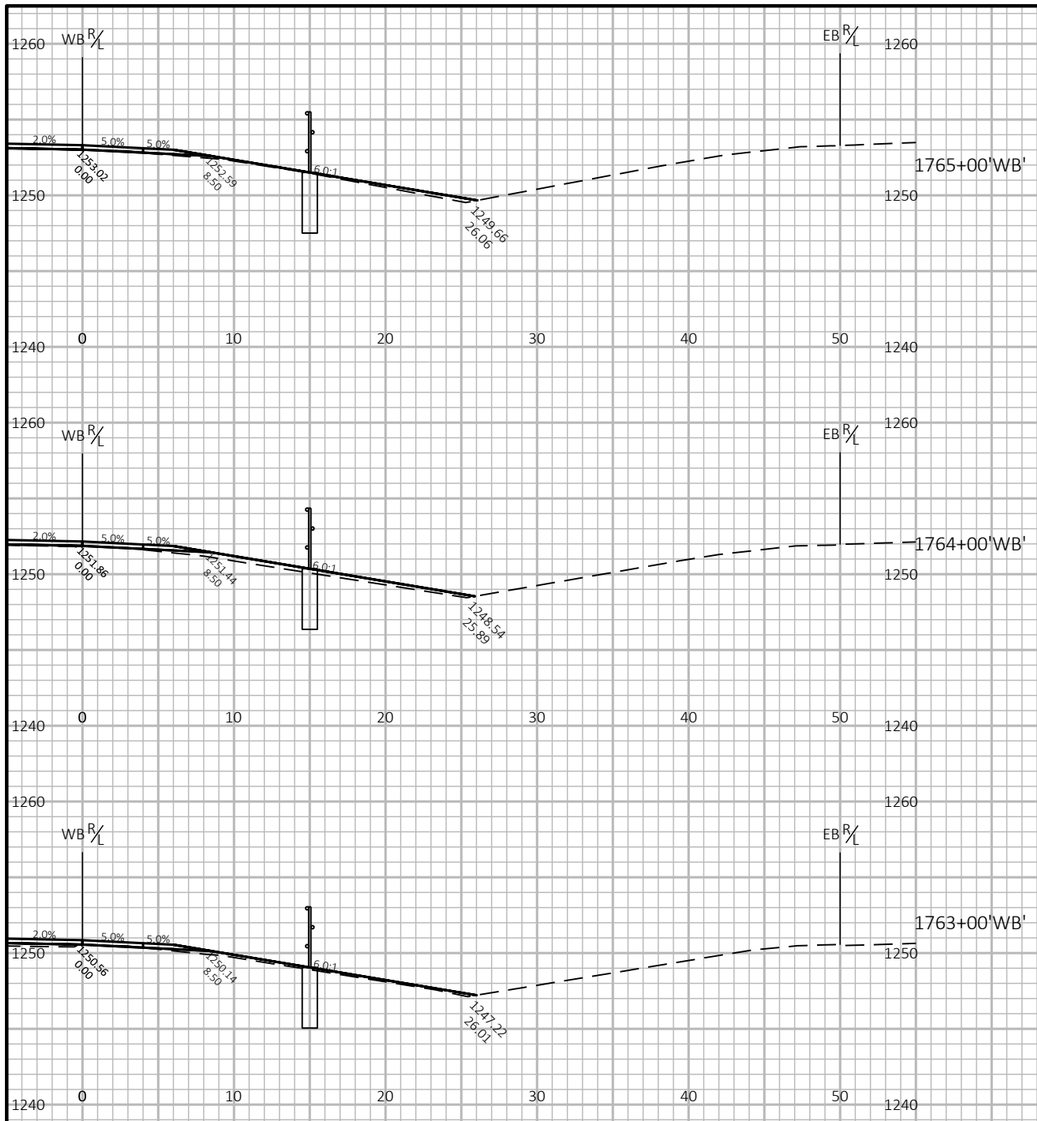
9

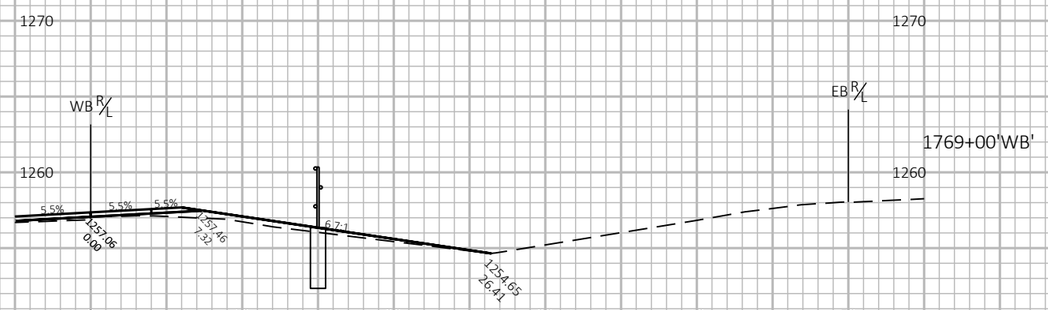
PROJECT NO: 1204-05-76	HWY: USH 18	COUNTY: IOWA & DANE	CROSS SECTIONS: CROSS SECTIONS - IOWA COUNTY	SHEET 97	E

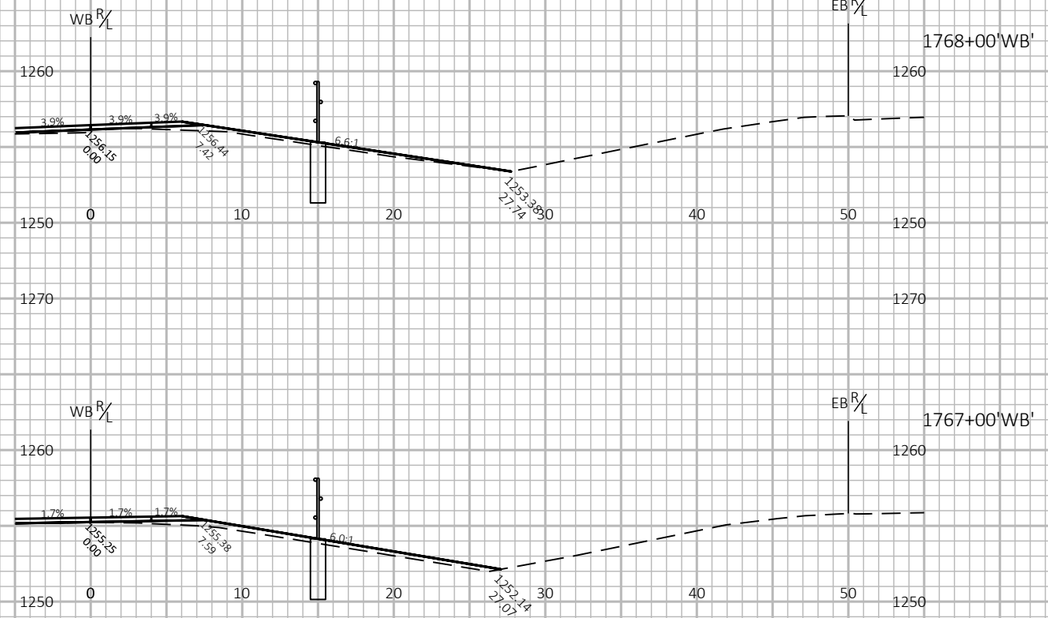
FILE NAME : P:\2018 PROJECTS\5018041 - WISDOT SWR US 18_151\CIVIL3D\SHEETSPLAN\1204-05-76\090201-XS (IOWA COUNTY).DWG
LAYOUT NAME - 51

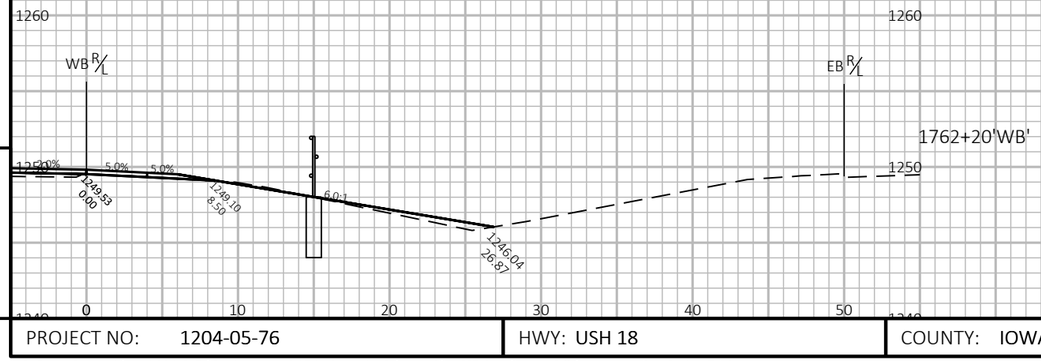
PLOT DATE : 12/9/2019 6:55 PM PLOT BY : BRETT PETERSON PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

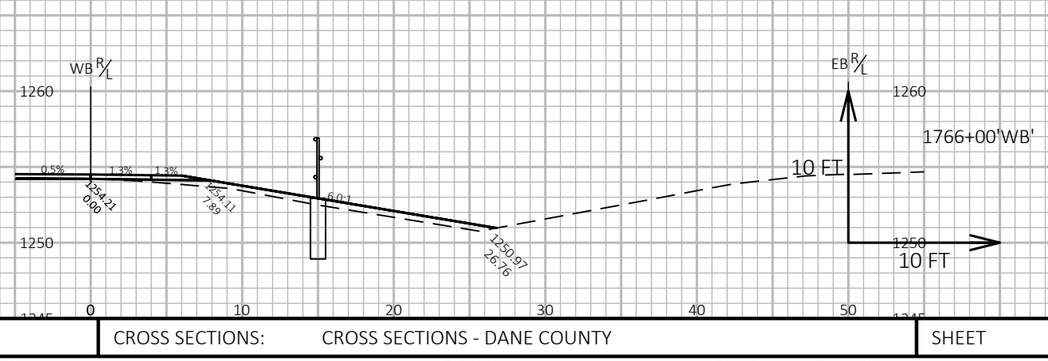
WISDOT/CADDS SHEET 49











9

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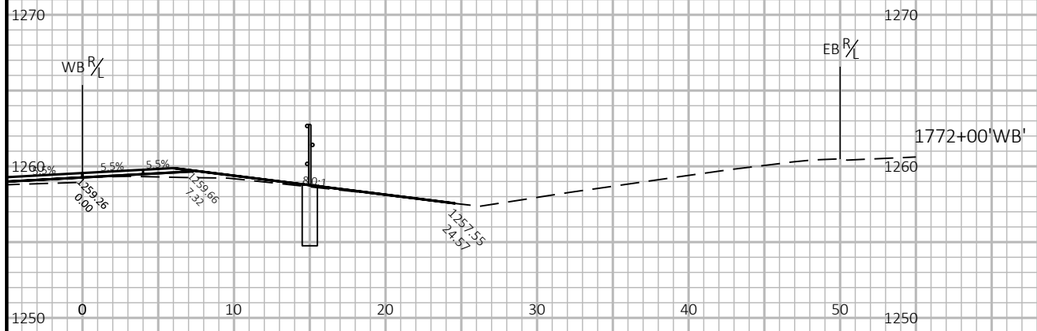
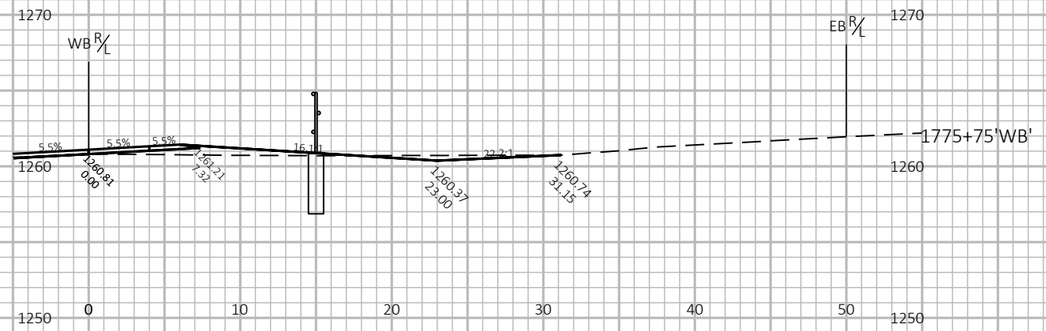
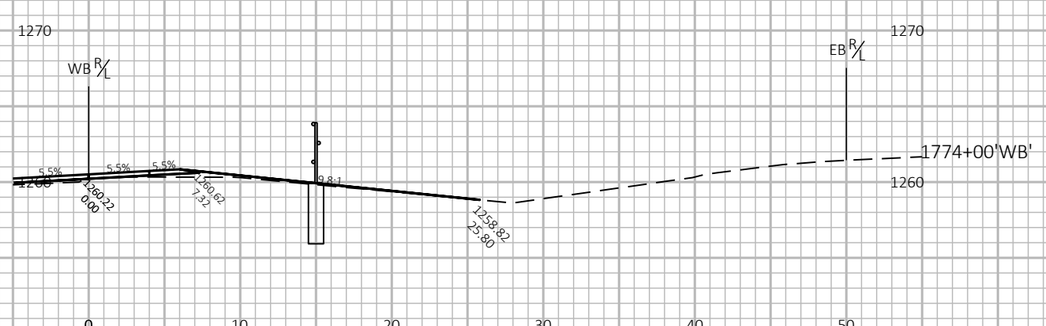
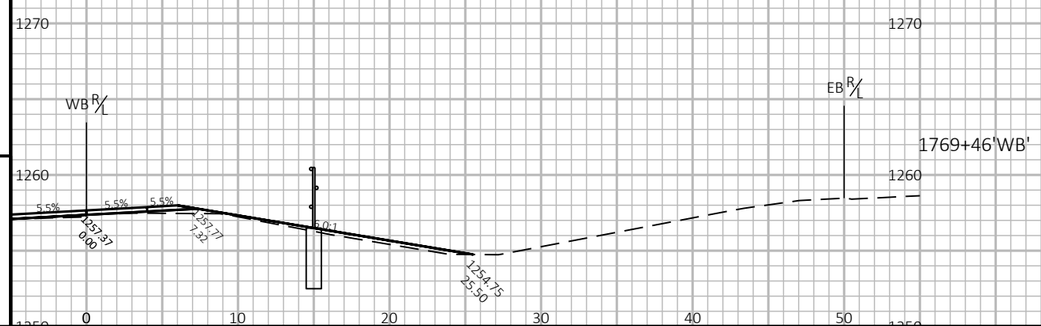
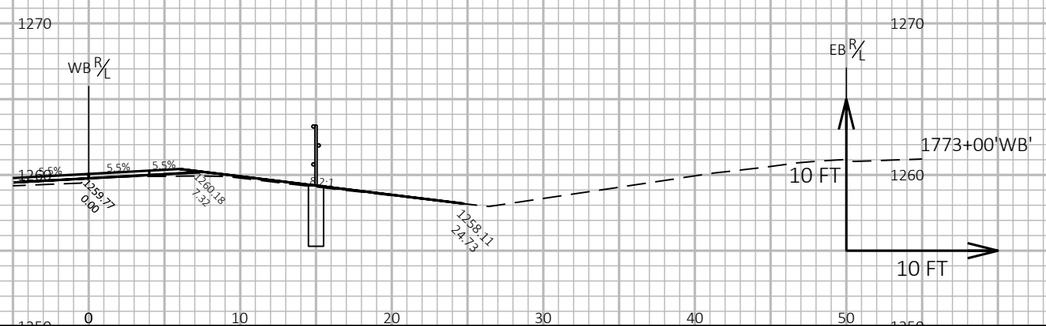
PROJECT NO: 1204-05-76	HWY: USH 18	COUNTY: IOWA & DANE	CROSS SECTIONS: CROSS SECTIONS - DANE COUNTY	SHEET 98	E











9

9

PROJECT NO: 1204-05-76	HWY: USH 18	COUNTY: IOWA & DANE	CROSS SECTIONS: CROSS SECTIONS - DANE COUNTY	SHEET 99	E

FILE NAME : P:\2018 PROJECTS\5018041 - WISDOT SWR US 18_151\CIVIL3D\SHEETSPLAN\1204-05-76\090202-XS (DANE COUNTY).DWG
LAYOUT NAME - 2

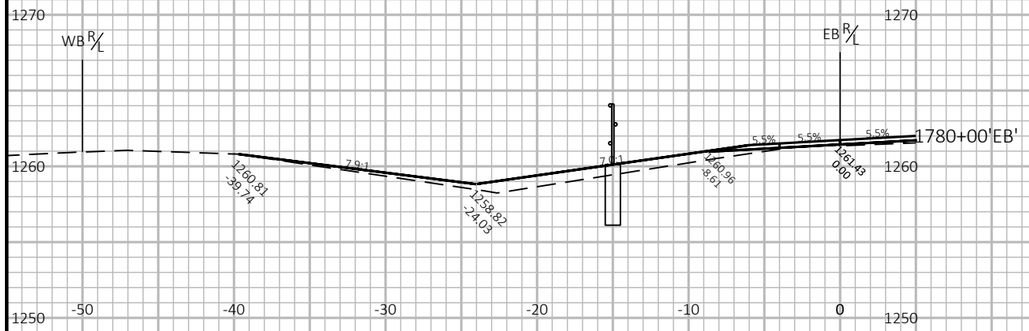
PLOT DATE : 12/9/2019 6:18 PM

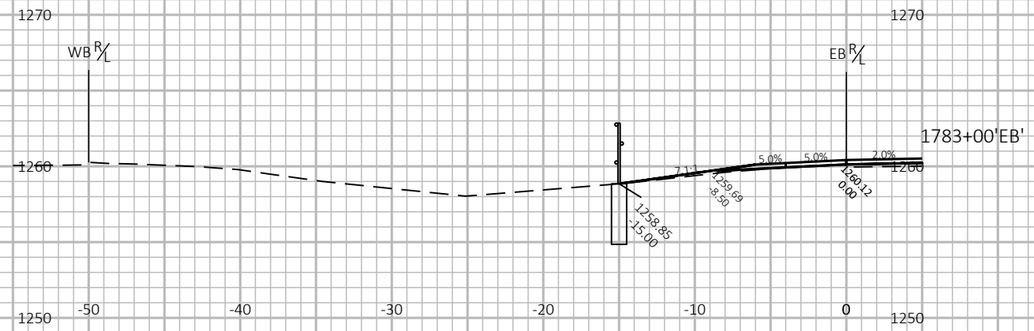
PLOT BY : BRETT PETERSON

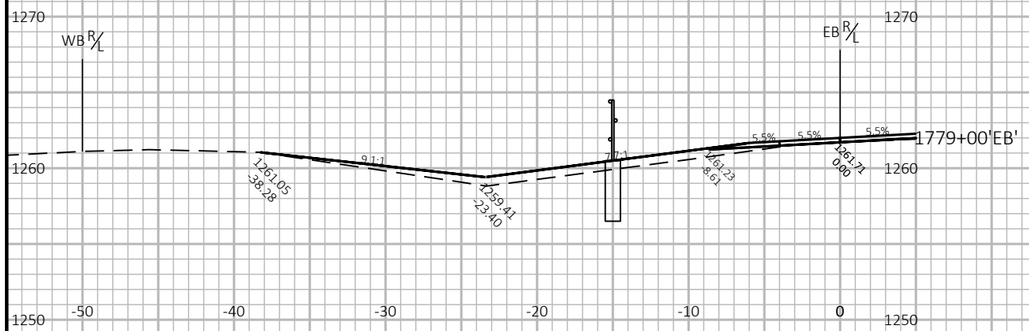
PLOT NAME :

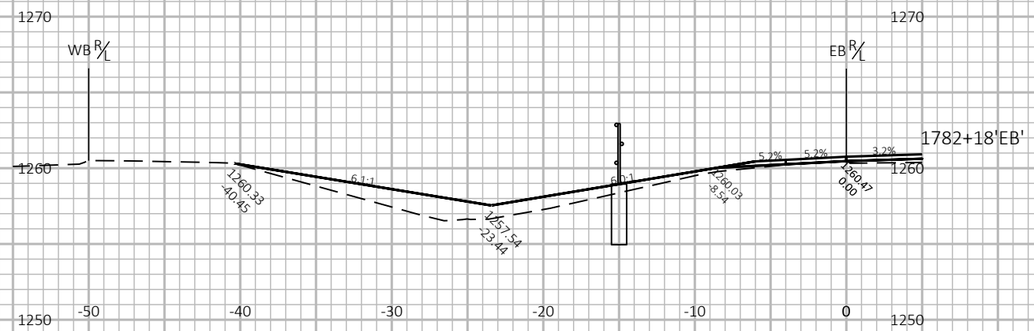
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

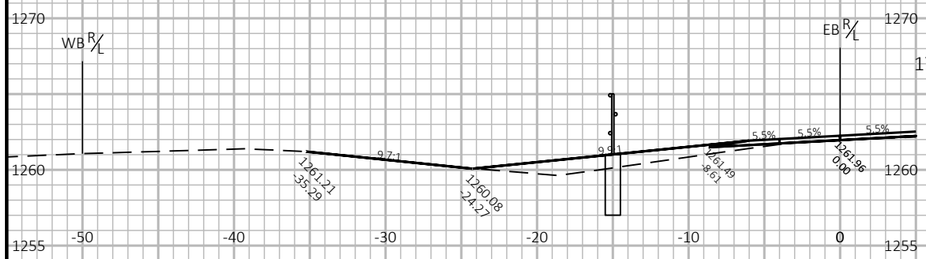
WISDOT/CADDS SHEET 49

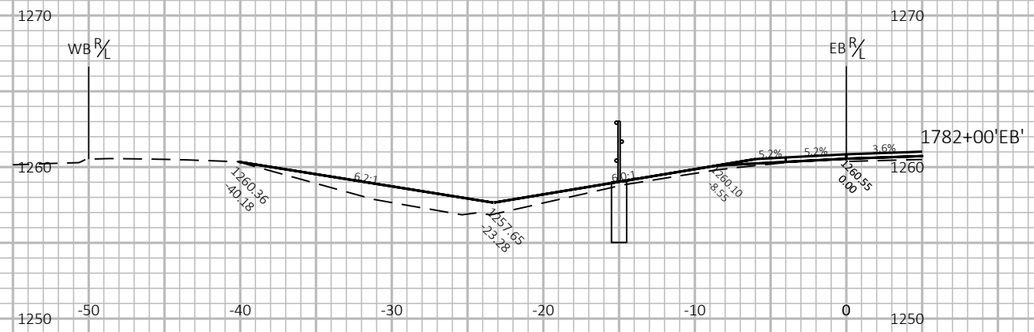


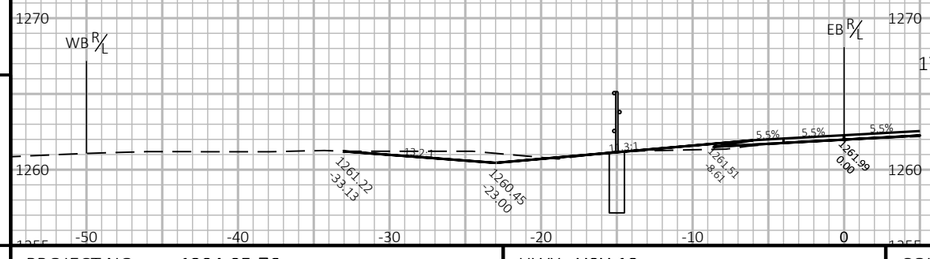


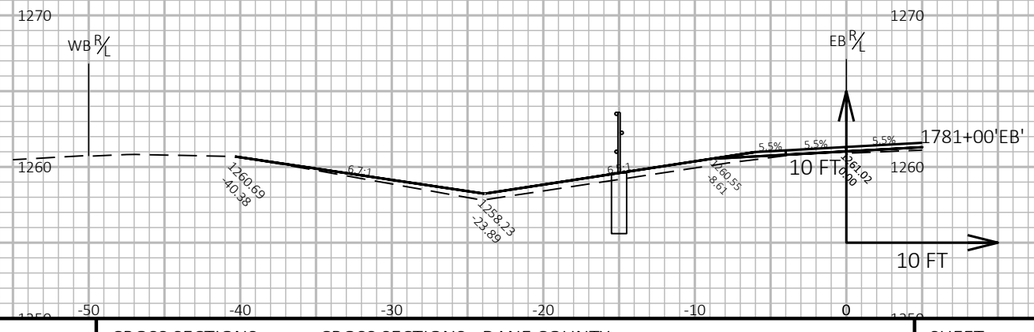












9

9

PROJECT NO: 1204-05-76	HWY: USH 18	COUNTY: IOWA & DANE	CROSS SECTIONS: CROSS SECTIONS - DANE COUNTY	SHEET 100	E

FILE NAME : P:\2018 PROJECTS\5018041 - WISDOT SWR US 18_151\CIVIL3D\SHEETSPLAN\1204-05-76\090202-XS (DANE COUNTY).DWG
LAYOUT NAME - 3

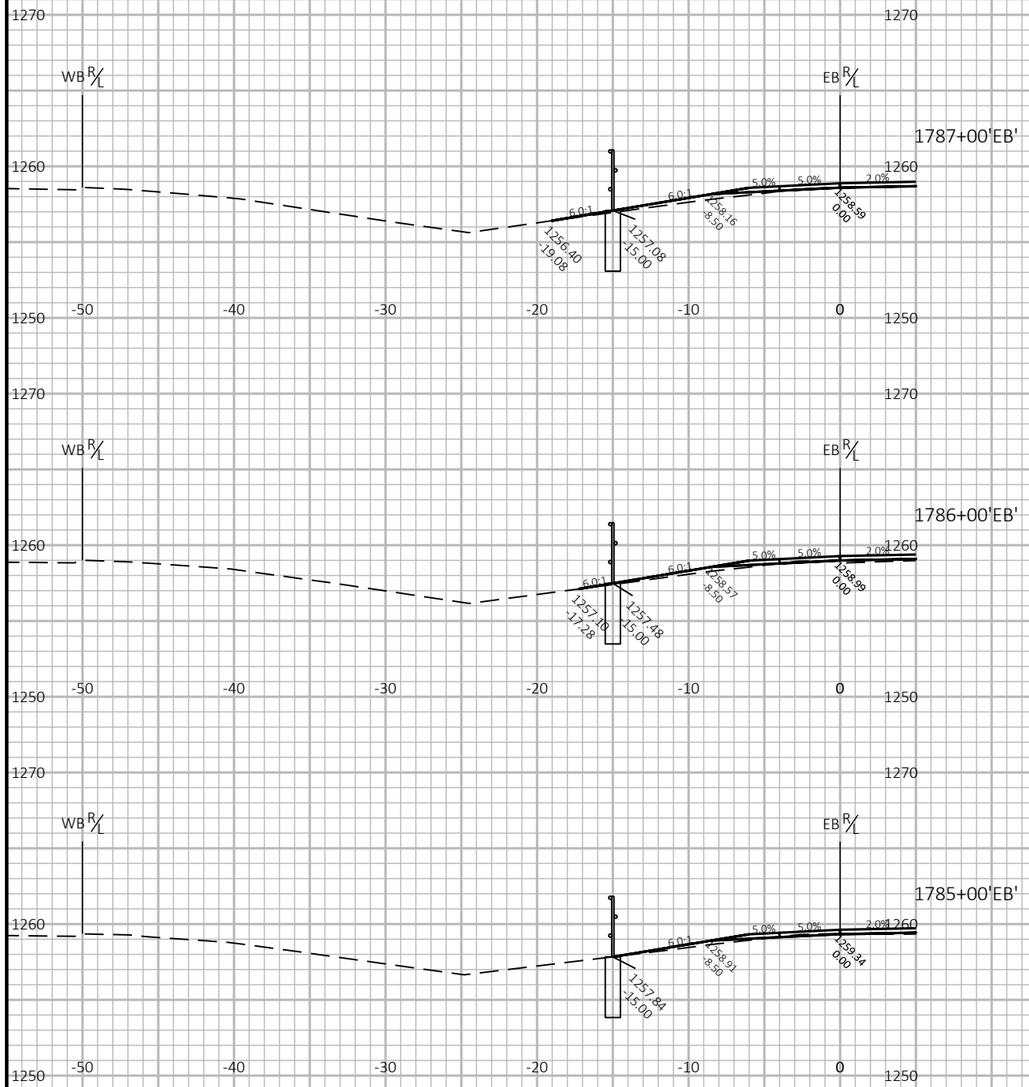
PLOT DATE : 12/9/2019 6:19 PM

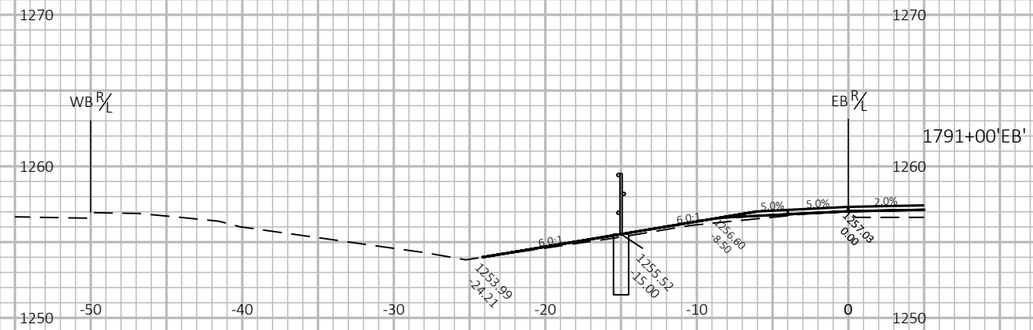
PLOT BY : BRETT PETERSON

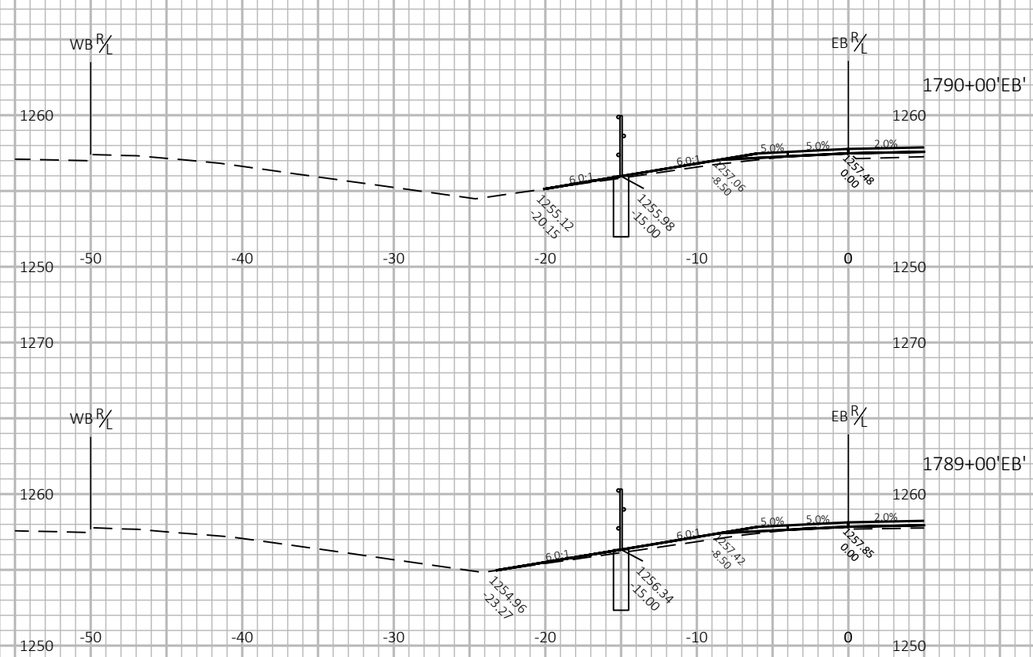
PLOT NAME :

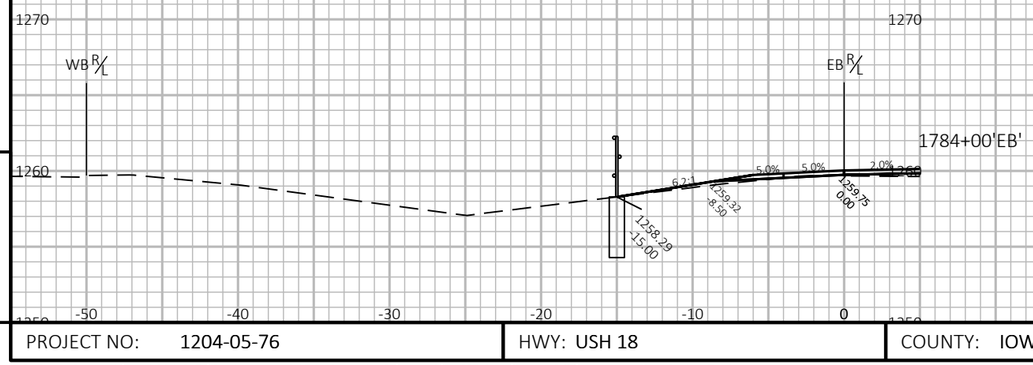
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

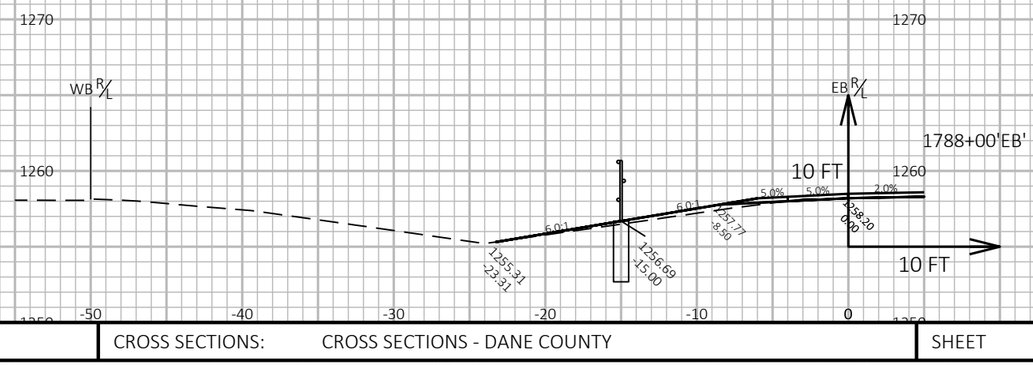
WISDOT/CADDS SHEET 49











9

9

PROJECT NO: 1204-05-76	HWY: USH 18	COUNTY: IOWA & DANE	CROSS SECTIONS: CROSS SECTIONS - DANE COUNTY	SHEET 101	E

FILE NAME : P:\2018 PROJECTS\5018041 - WISDOT SWR US 18_151\CIVIL3D\SHEETSPLAN\1204-05-76\090202-XS (DANE COUNTY).DWG
LAYOUT NAME - 4

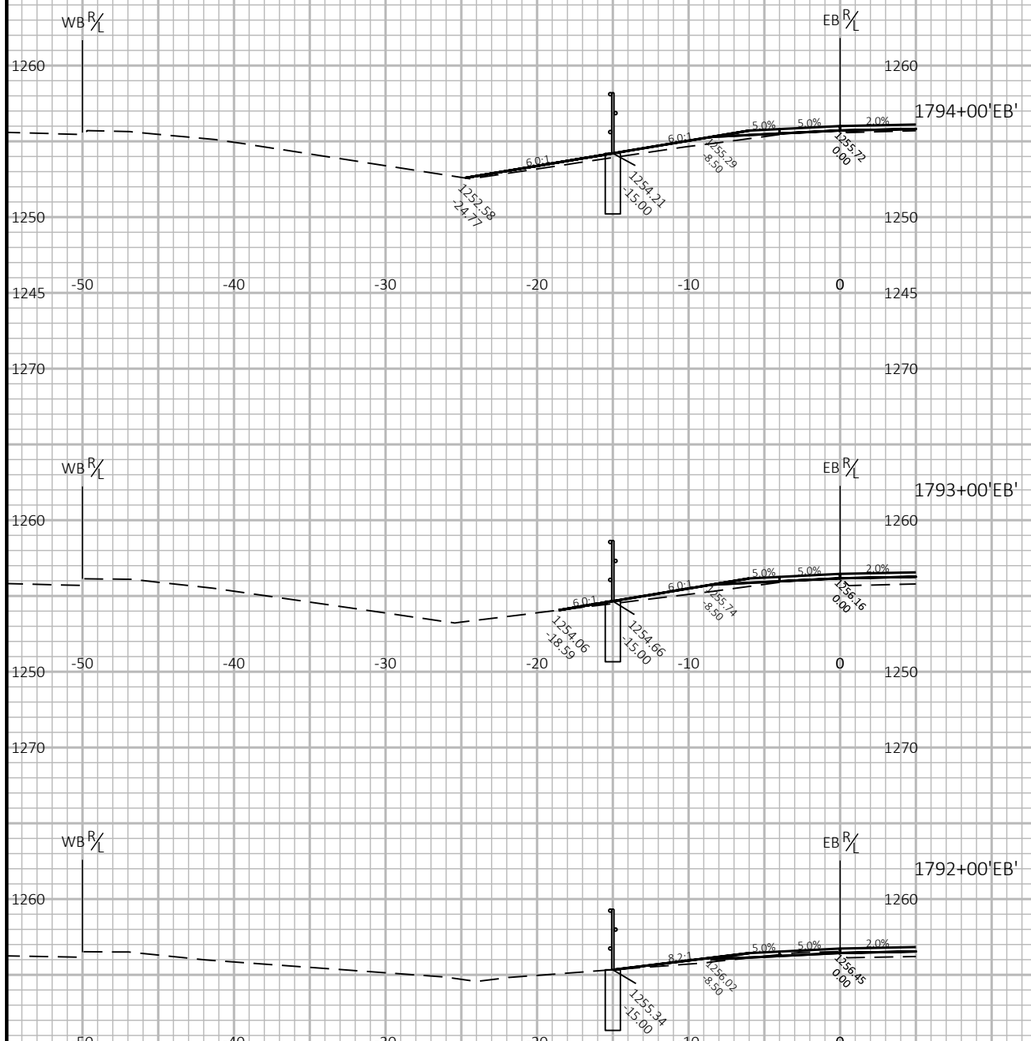
PLOT DATE : 12/9/2019 6:20 PM

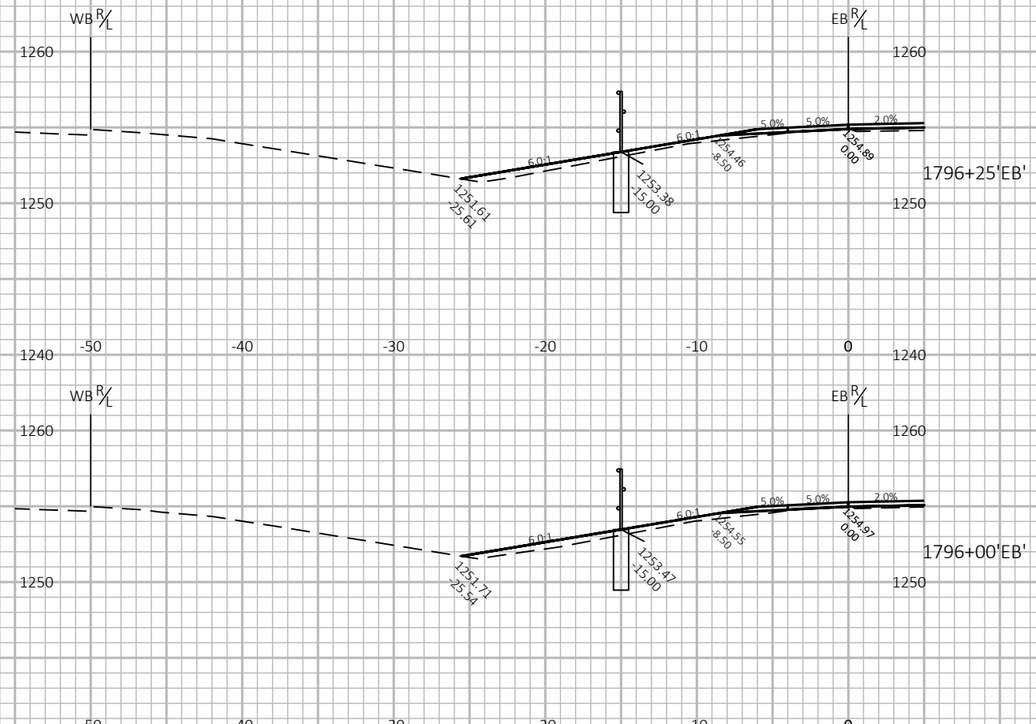
PLOT BY : BRETT PETERSON

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49





9

9

PROJECT NO: 1204-05-76	HWY: USH 18	COUNTY: IOWA & DANE	CROSS SECTIONS: CROSS SECTIONS - DANE COUNTY	SHEET 102	E

FILE NAME : P:\2018 PROJECTS\5018041 - WISDOT SWR US 18_151\CIVIL3D\SHEETSPLAN\1204-05-76\090202-XS (DANE COUNTY).DWG
LAYOUT NAME - 5

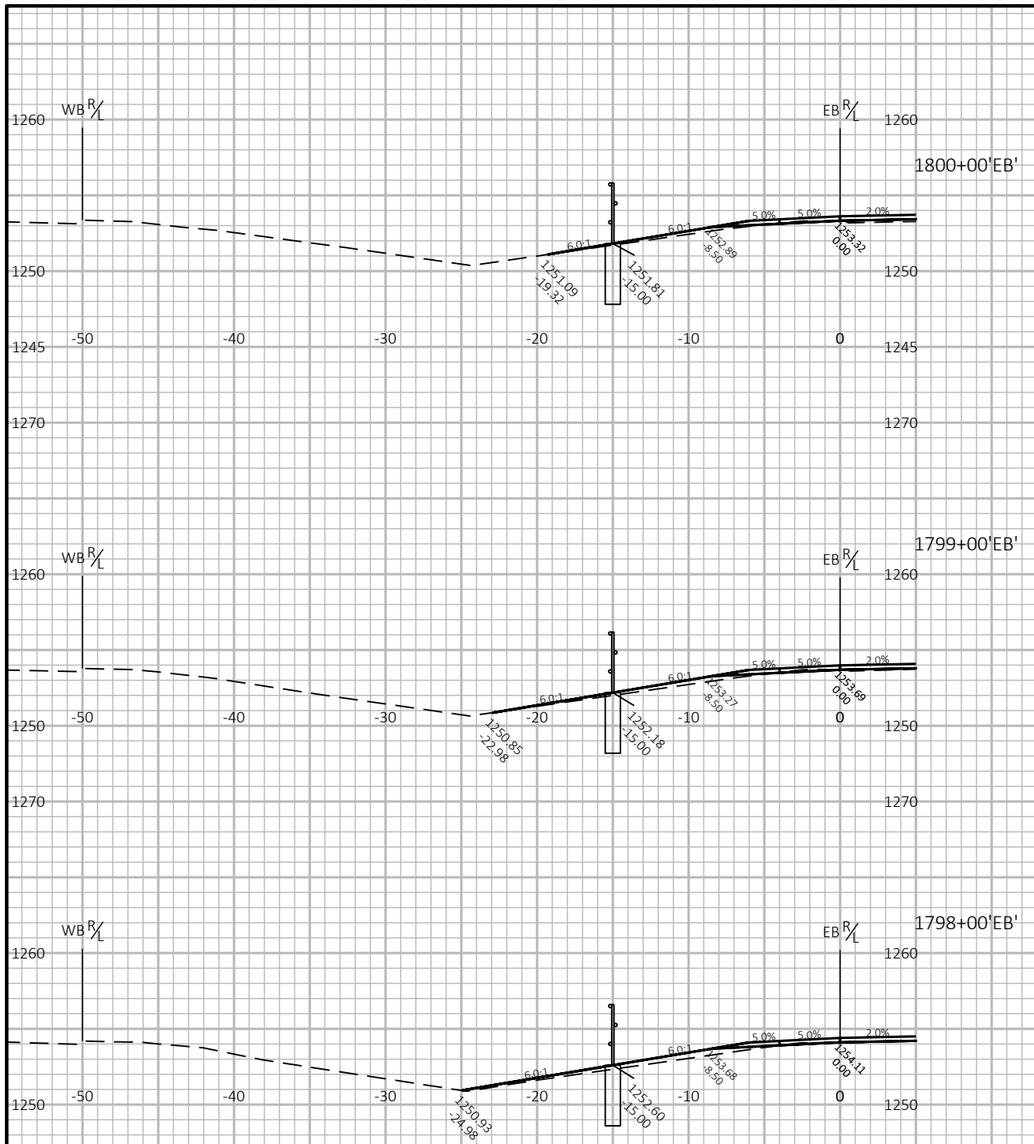
PLOT DATE : 12/9/2019 6:21 PM

PLOT BY : BRETT PETERSON

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 1204-05-76	HWY: USH 18	COUNTY: IOWA & DANE	CROSS SECTIONS: CROSS SECTIONS - DANE COUNTY	SHEET 103	E

FILE NAME : P:\2018 PROJECTS\5018041 - WISDOT SWR US 18_151\CIVIL3D\SHEETSPLAN\1204-05-76\090202-XS (DANE COUNTY).DWG
LAYOUT NAME - 6

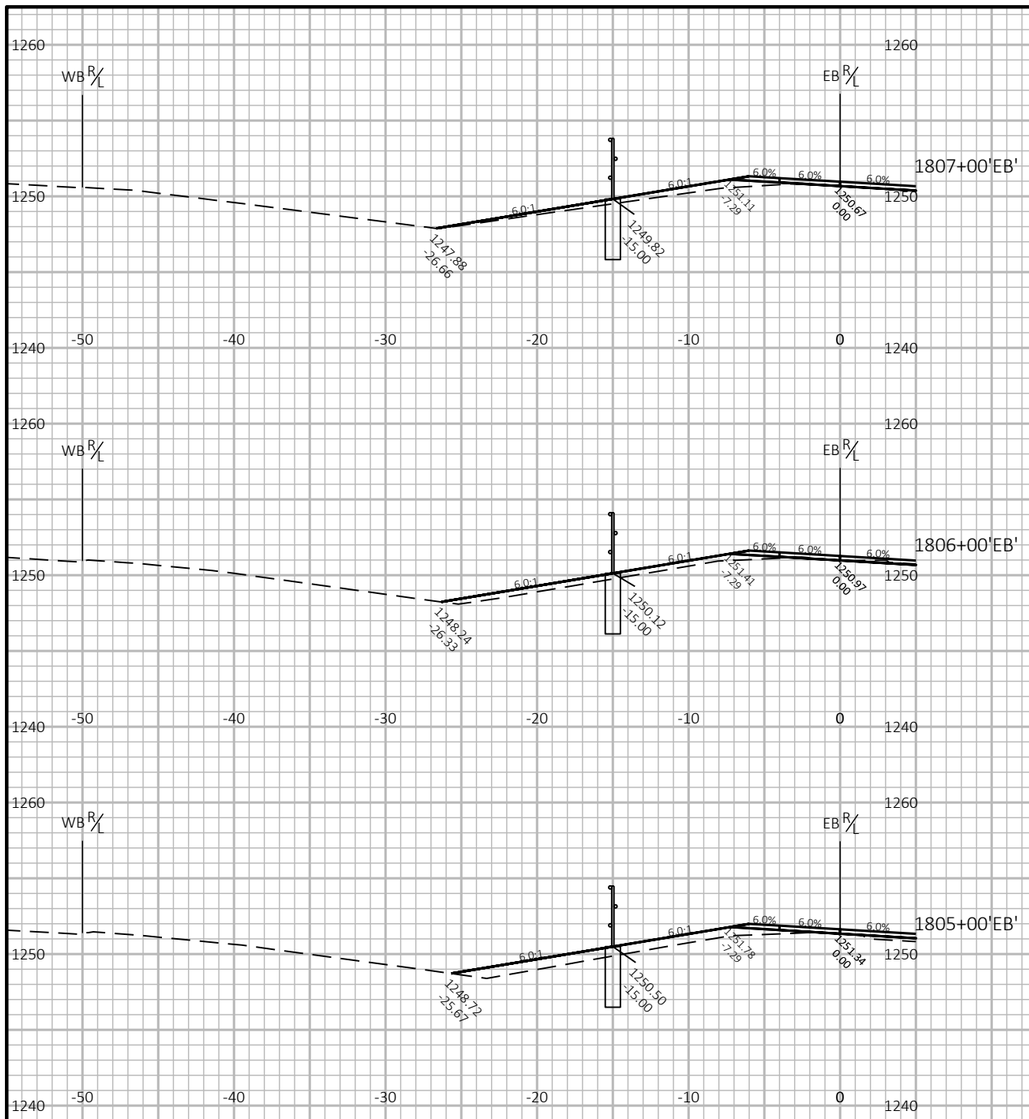
PLOT DATE : 12/9/2019 6:22 PM

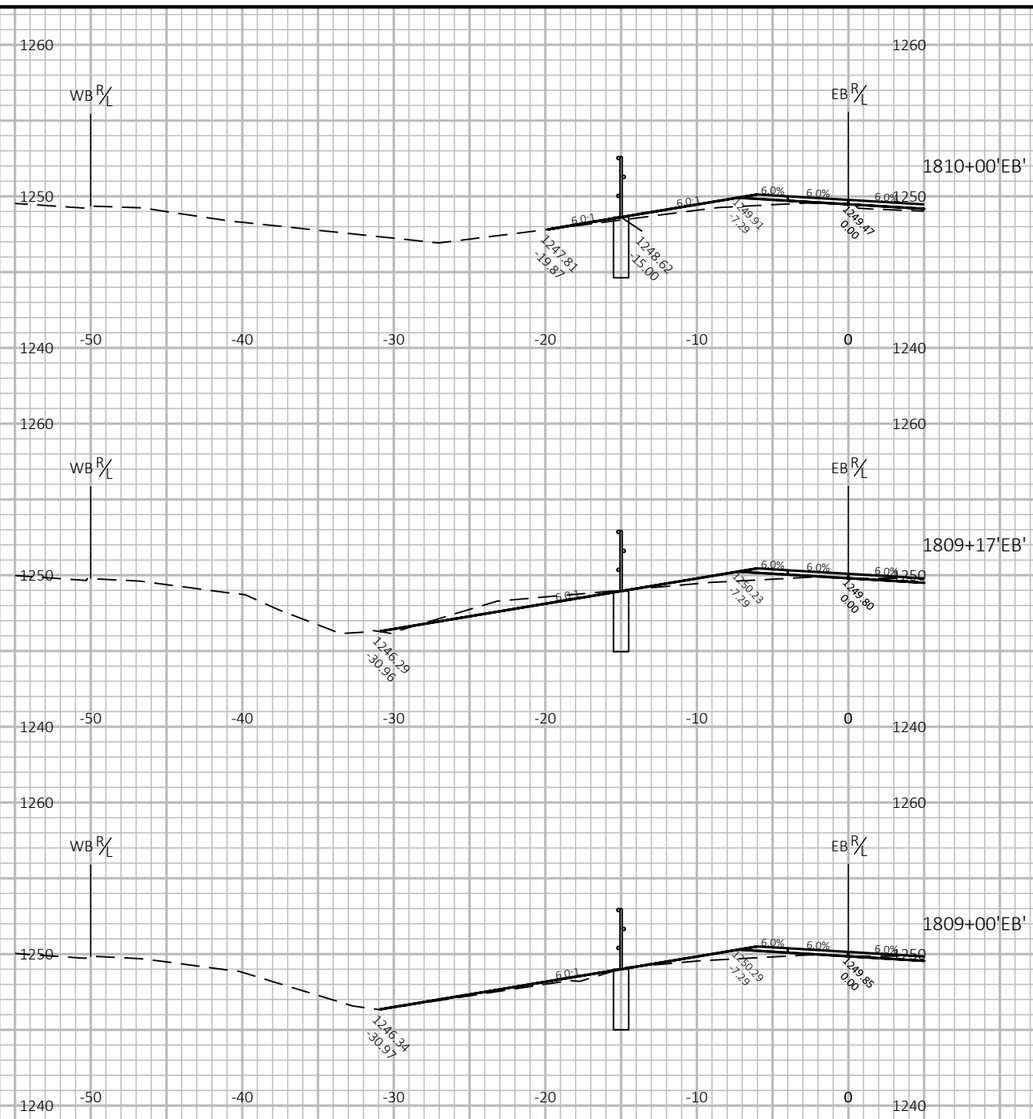
PLOT BY : BRETT PETERSON

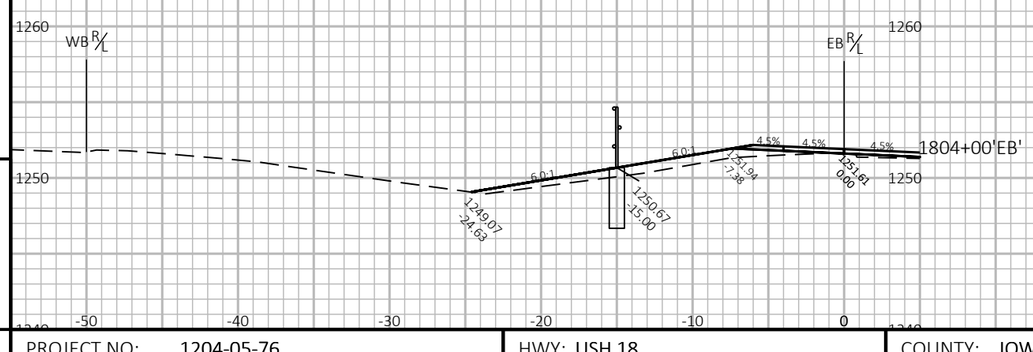
PLOT NAME :

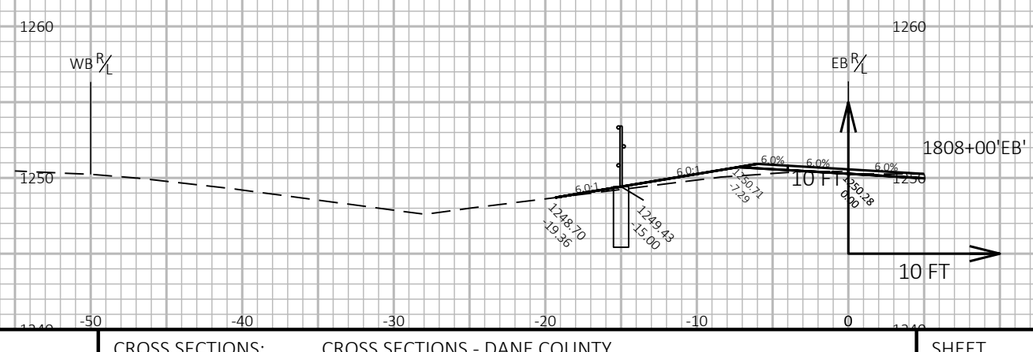
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49









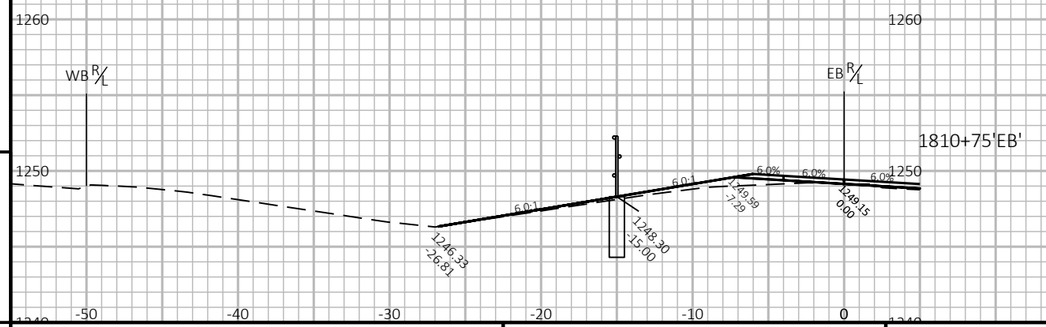
9

9

PROJECT NO: 1204-05-76	HWY: USH 18	COUNTY: IOWA & DANE	CROSS SECTIONS: CROSS SECTIONS - DANE COUNTY	SHEET 104	E

FILE NAME : P:\2018 PROJECTS\5018041 - WISDOT SWR US 18_151\CIVIL3D\SHEETSPLAN\1204-05-76\090202-XS (DANE COUNTY).DWG
LAYOUT NAME - 7

PLOT DATE : 12/9/2019 6:23 PM PLOT BY : BRETT PETERSON PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



9

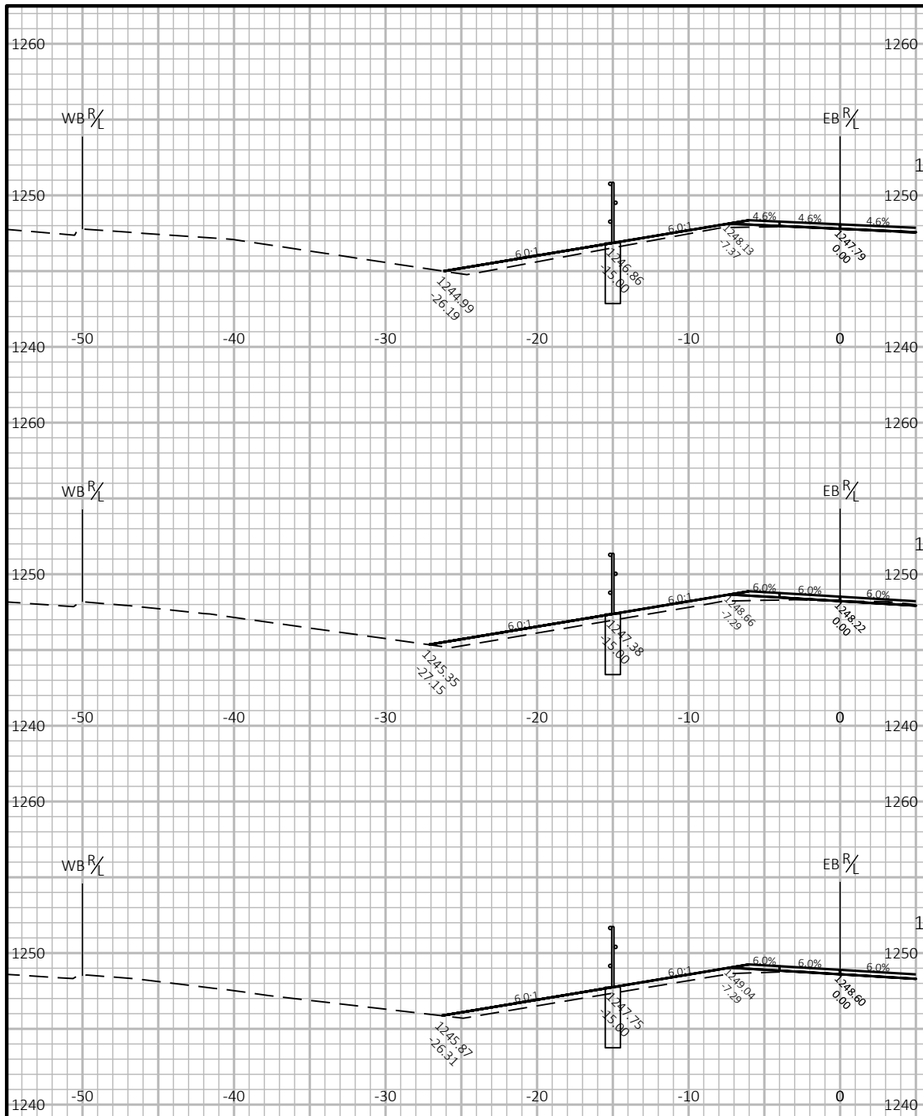
9

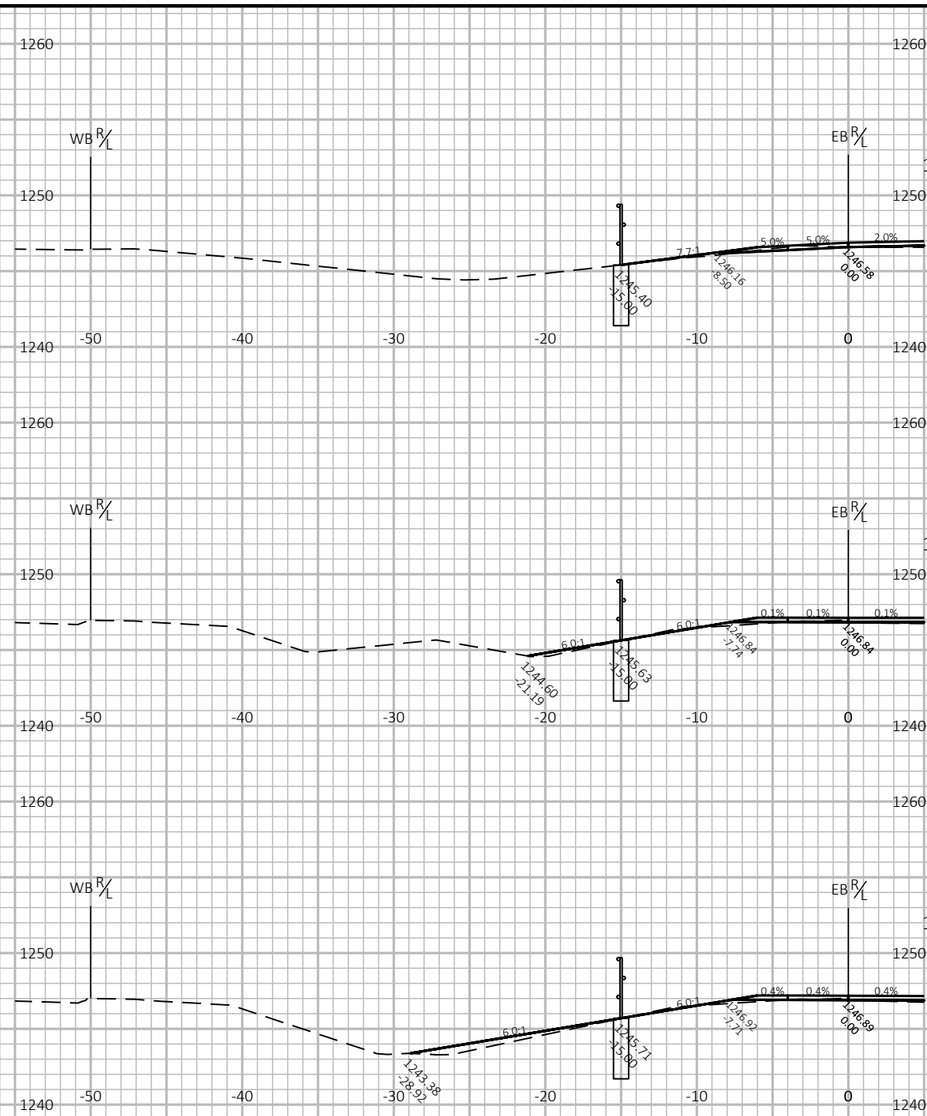
PROJECT NO: 1204-05-76	HWY: USH 18	COUNTY: IOWA & DANE	CROSS SECTIONS: CROSS SECTIONS - DANE COUNTY	SHEET 105	E

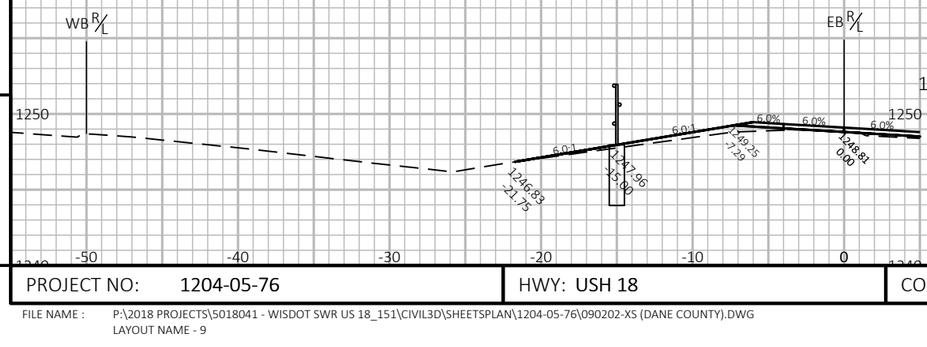
FILE NAME : P:\2018 PROJECTS\5018041 - WISDOT SWR US 18_151\CIVIL3D\SHEETSPLAN\1204-05-76\090202-XS (DANE COUNTY).DWG
LAYOUT NAME - 8

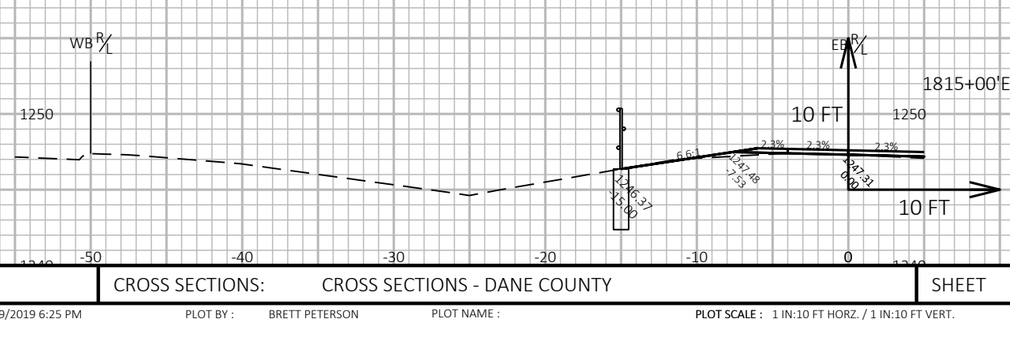
PLOT DATE : 12/9/2019 6:24 PM PLOT BY : BRETT PETERSON PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49









9

9

PROJECT NO: 1204-05-76	HWY: USH 18	COUNTY: IOWA & DANE	CROSS SECTIONS: CROSS SECTIONS - DANE COUNTY	SHEET 106	E

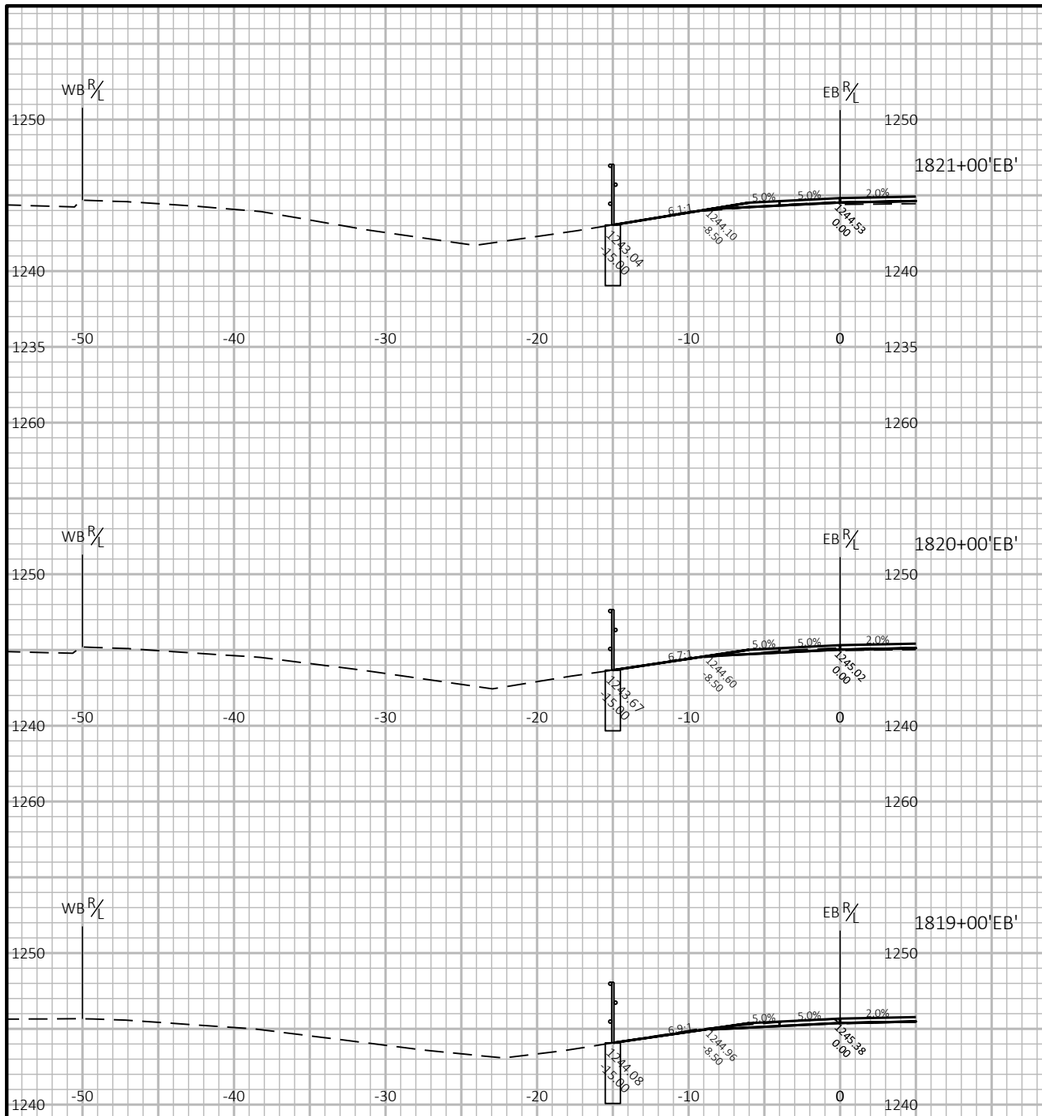
FILE NAME : P:\2018 PROJECTS\5018041 - WISDOT SWR US 18_151\CIVIL3D\SHEETSPLAN\1204-05-76\090202-XS (DANE COUNTY).DWG
LAYOUT NAME - 9

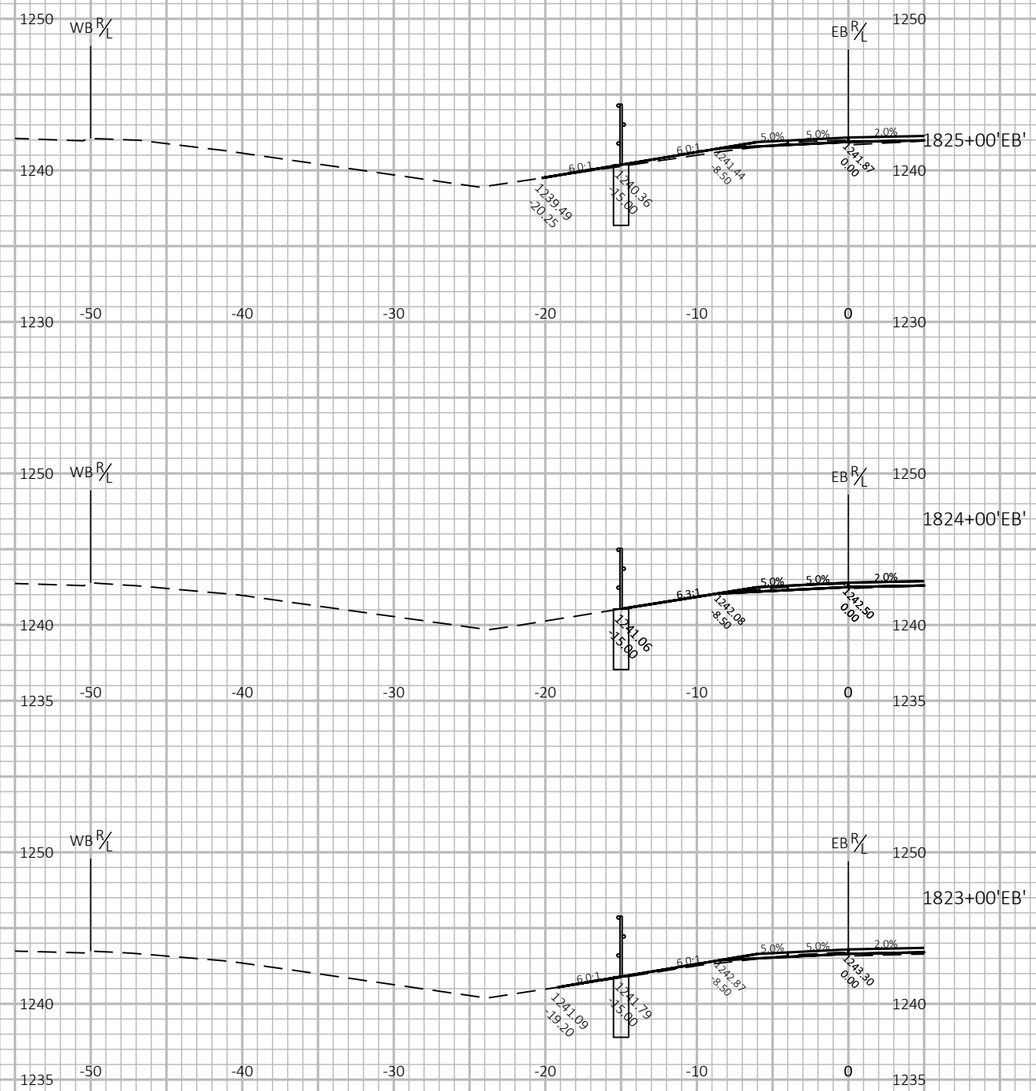
PLOT DATE : 12/9/2019 6:25 PM

PLOT BY : BRETT PETERSON

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.





9

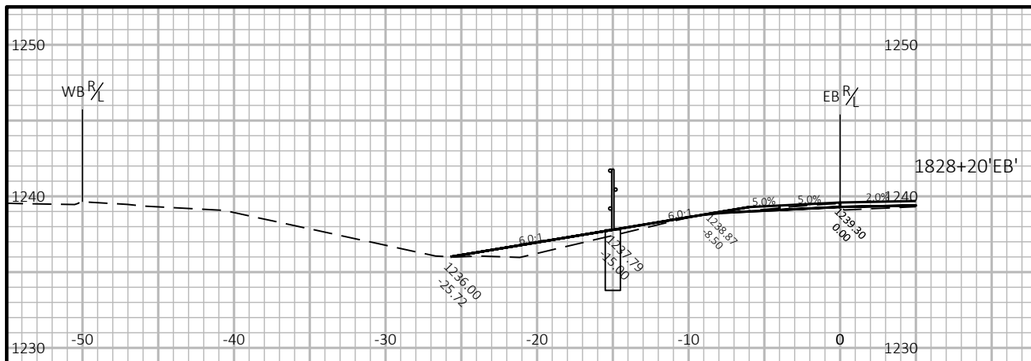
9

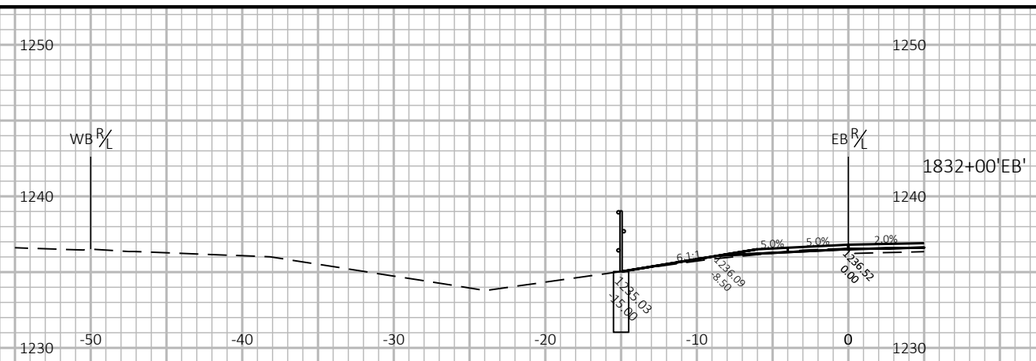
PROJECT NO: 1204-05-76	HWY: USH 18	COUNTY: IOWA & DANE	CROSS SECTIONS: CROSS SECTIONS - DANE COUNTY	SHEET 107	E

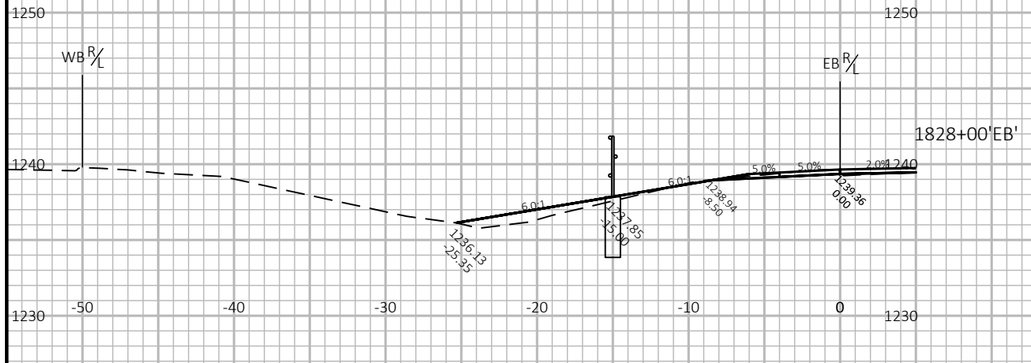
FILE NAME : P:\2018 PROJECTS\5018041 - WISDOT SWR US 18_151\CIVIL3D\SHEETSPLAN\1204-05-76\090202-XS (DANE COUNTY).DWG
LAYOUT NAME - 10

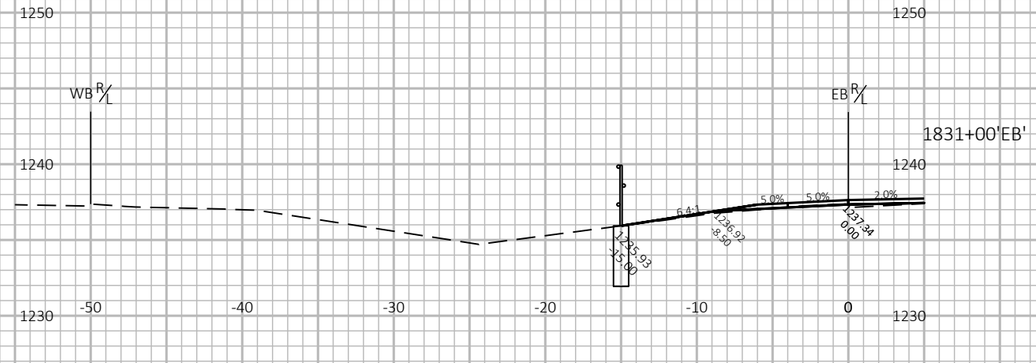
PLOT DATE : 12/9/2019 6:26 PM PLOT BY : BRETT PETERSON PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

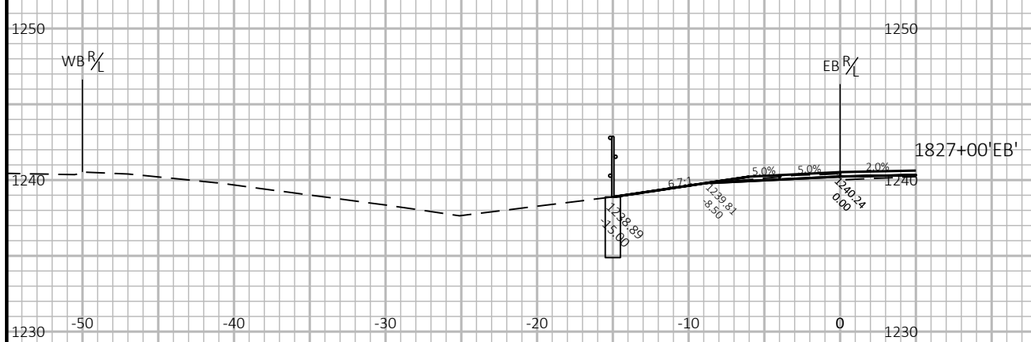
WISDOT/CADDS SHEET 49

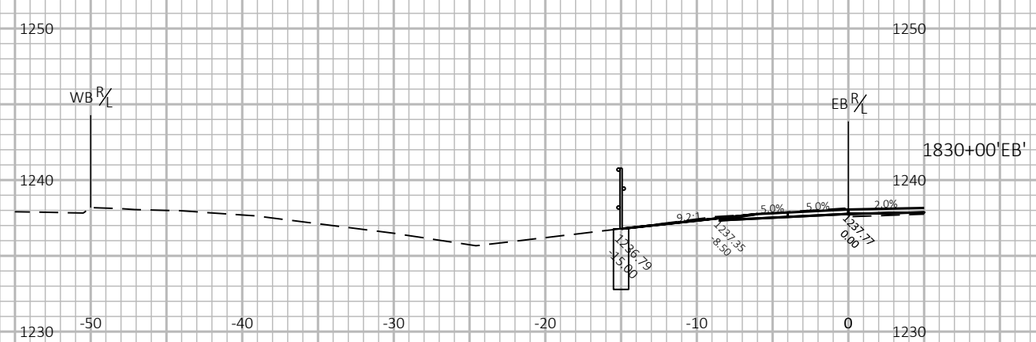


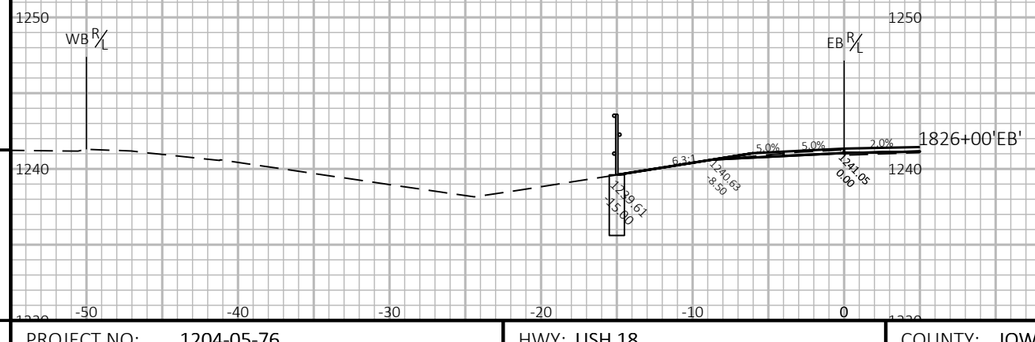


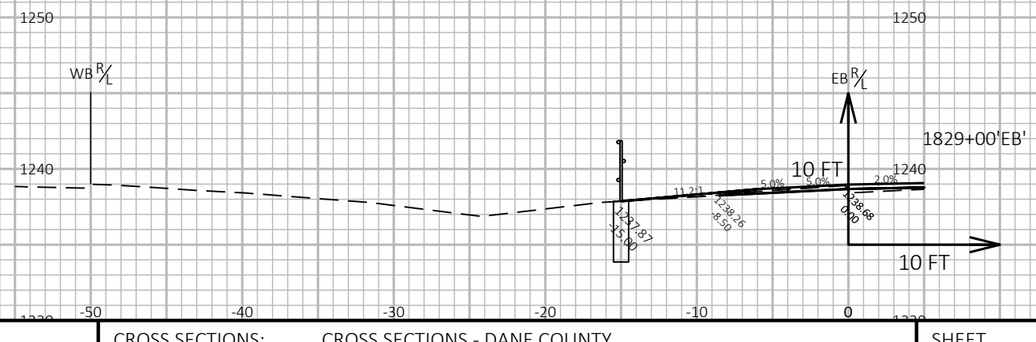












9

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PROJECT NO: 1204-05-76	HWY: USH 18	COUNTY: IOWA & DANE	CROSS SECTIONS: CROSS SECTIONS - DANE COUNTY	SHEET 108	E

FILE NAME : P:\2018 PROJECTS\5018041 - WISDOT SWR US 18_151\CIVIL3D\SHEETSPLAN\1204-05-76\090202-XS (DANE COUNTY).DWG
LAYOUT NAME - 11

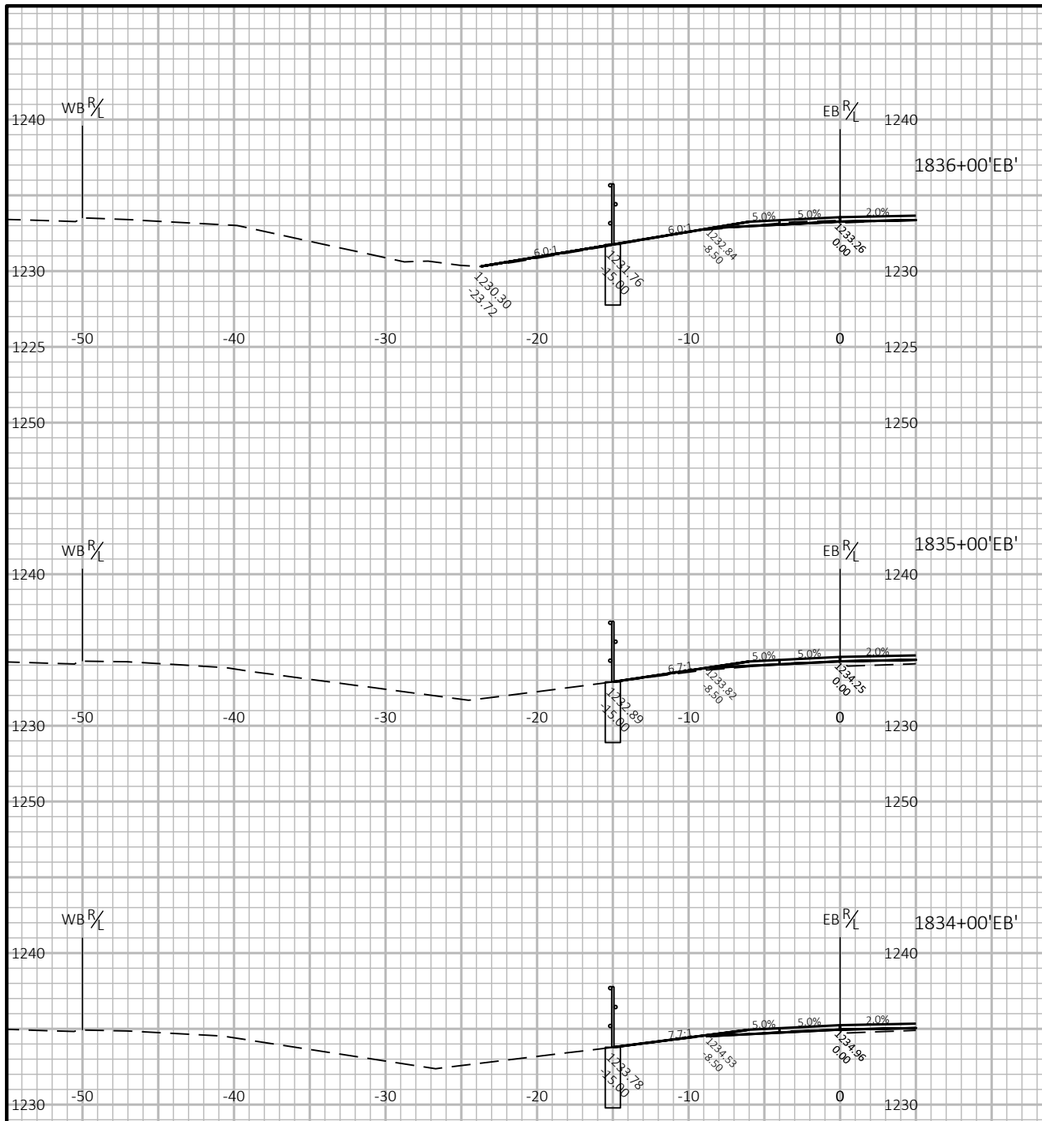
PLOT DATE : 12/9/2019 6:27 PM

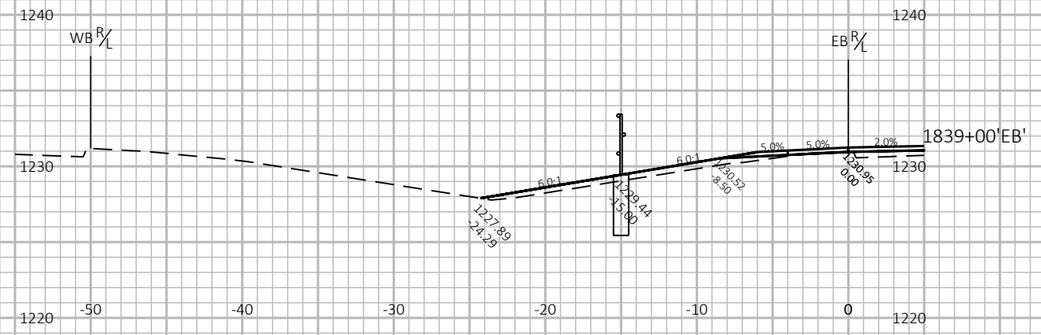
PLOT BY : BRETT PETERSON

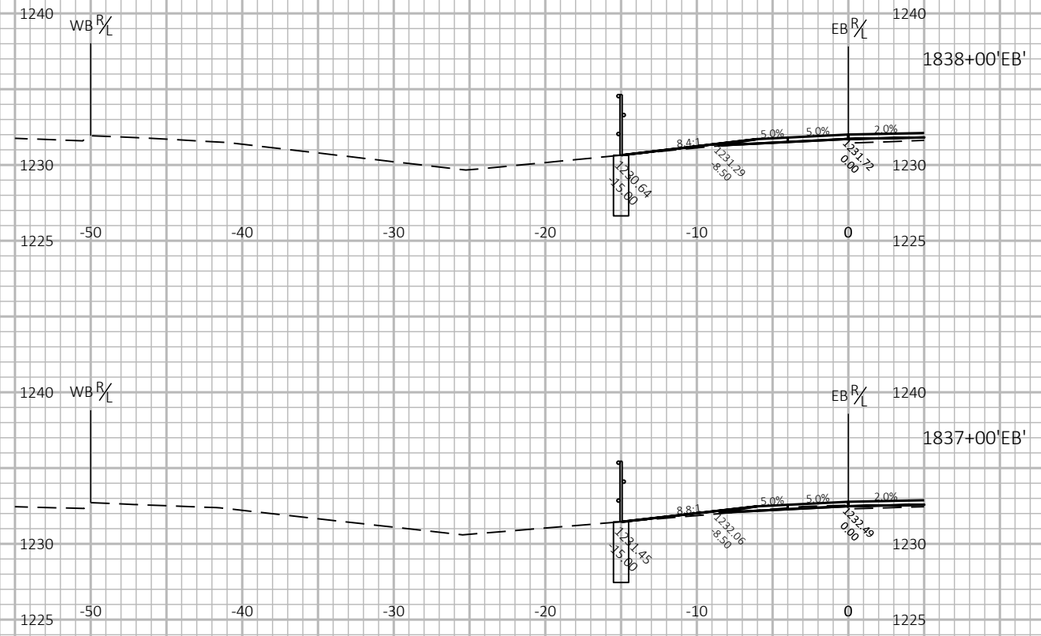
PLOT NAME :

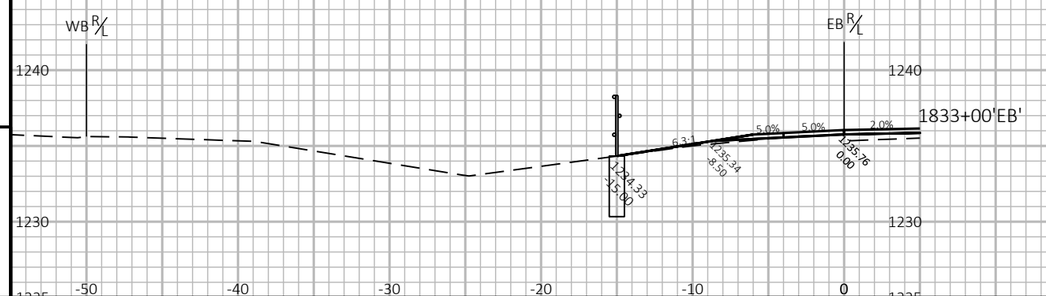
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

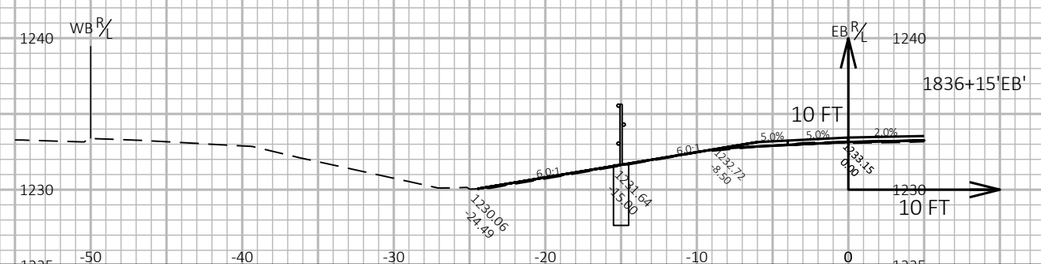
WISDOT/CADDS SHEET 49











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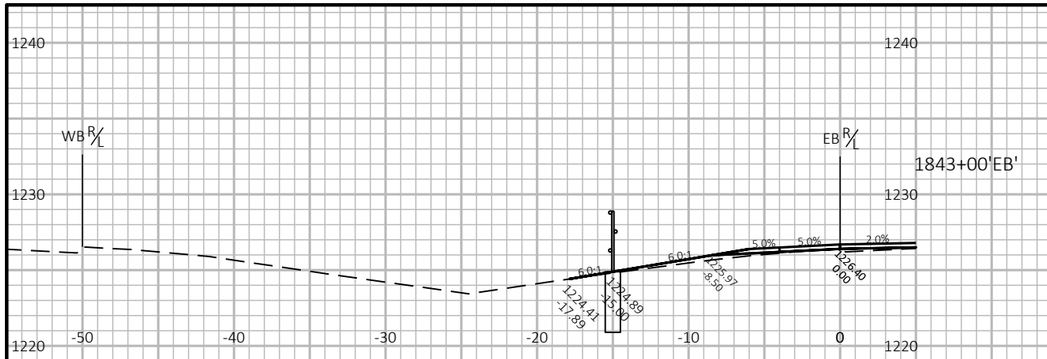
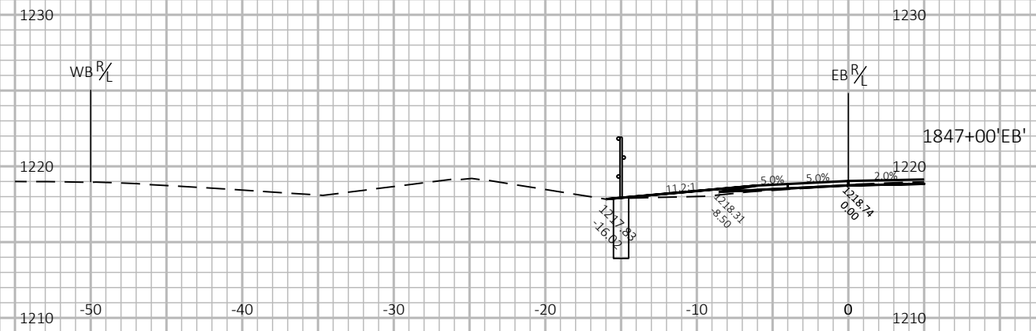
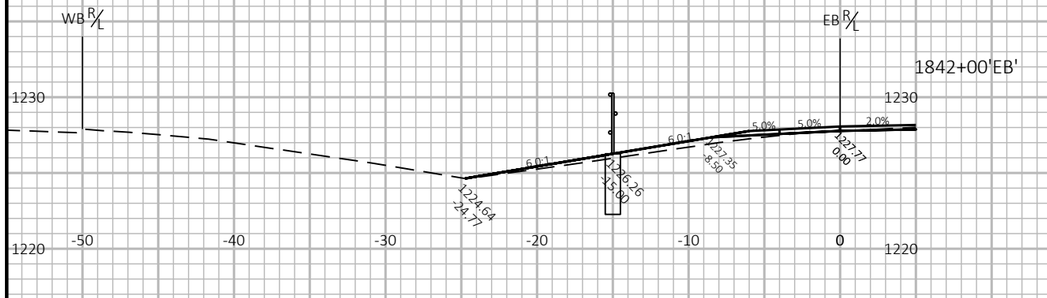
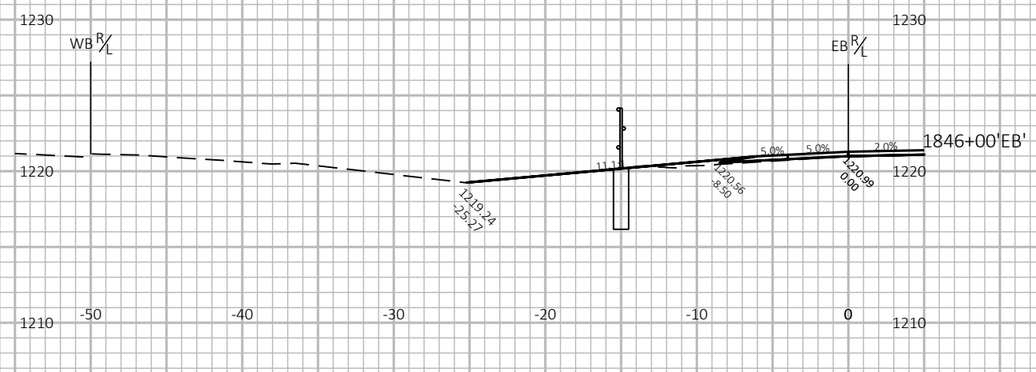
PROJECT NO: 1204-05-76	HWY: USH 18	COUNTY: IOWA & DANE	CROSS SECTIONS: CROSS SECTIONS - DANE COUNTY	SHEET 109	E

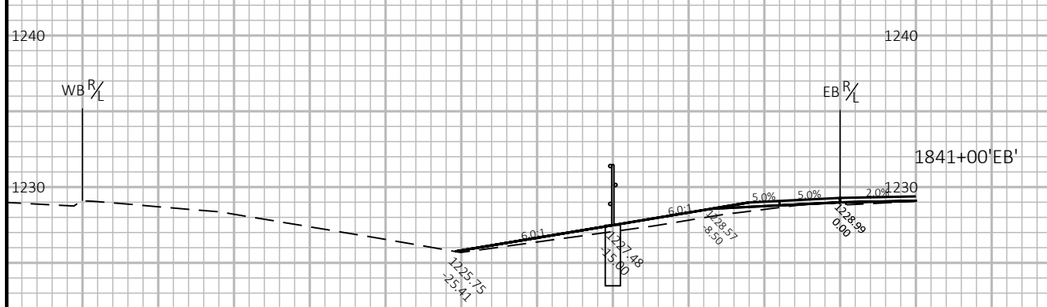
FILE NAME : P:\2018 PROJECTS\5018041 - WISDOT SWR US 18_151\CIVIL3D\SHEETSPLAN\1204-05-76\090202-XS (DANE COUNTY).DWG
LAYOUT NAME - 12
PLOT DATE : 12/9/2019 6:28 PM
PLOT BY : BRETT PETERSON
PLOT NAME :
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.
WISDOT/CADDS SHEET 49

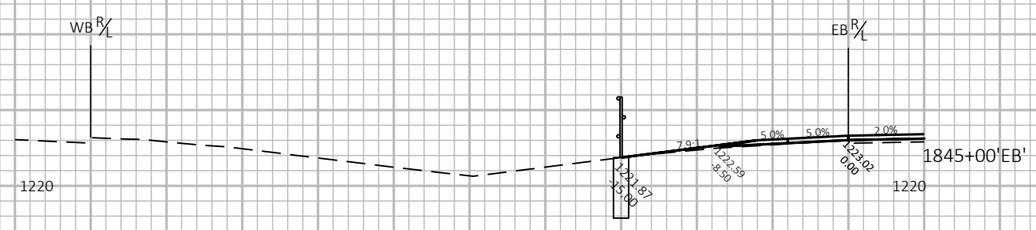


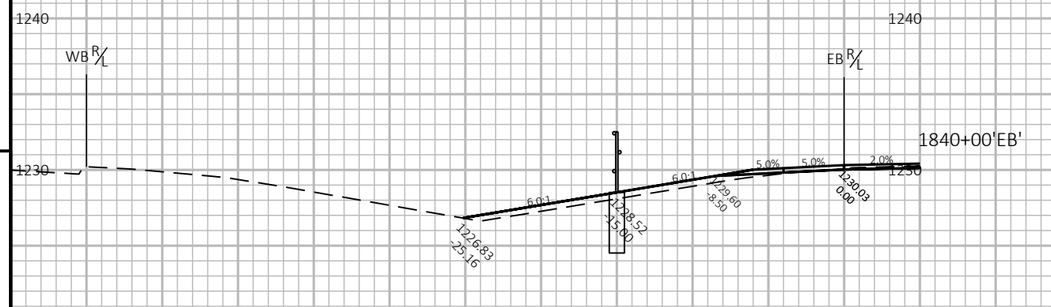


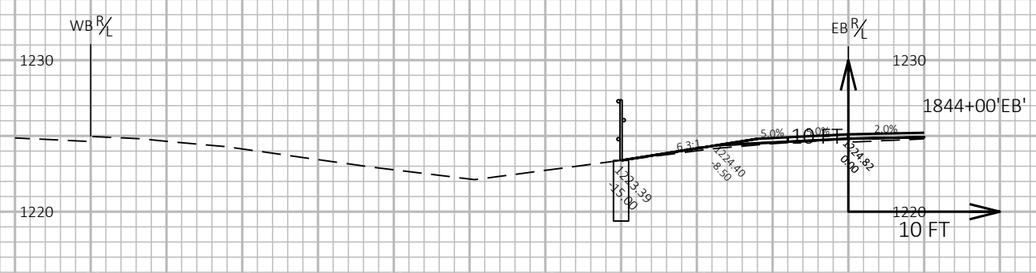












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9

PROJECT NO: 1204-05-76	HWY: USH 18	COUNTY: IOWA & DANE	CROSS SECTIONS: CROSS SECTIONS - DANE COUNTY	SHEET 110	E

FILE NAME : P:\2018 PROJECTS\5018041 - WISDOT SWR US 18_151\CIVIL3D\SHEETSPLAN\1204-05-76\090202-XS (DANE COUNTY).DWG
LAYOUT NAME - 13

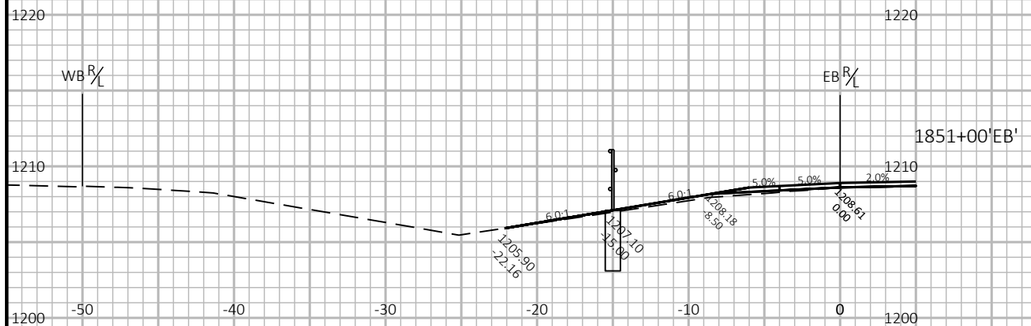
PLOT DATE : 12/9/2019 6:29 PM

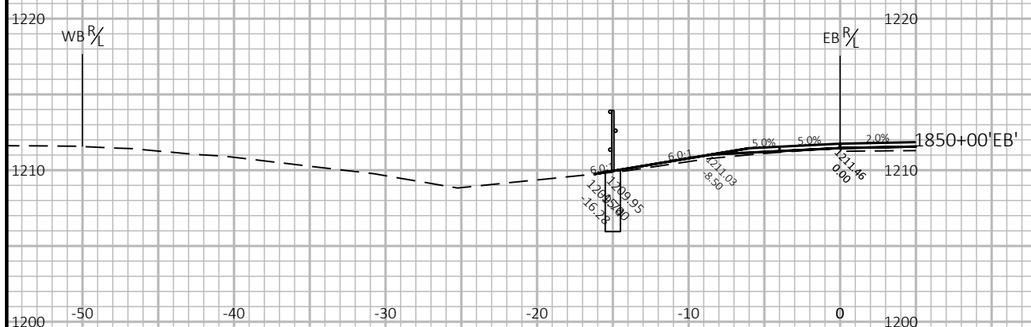
PLOT BY : BRETT PETERSON

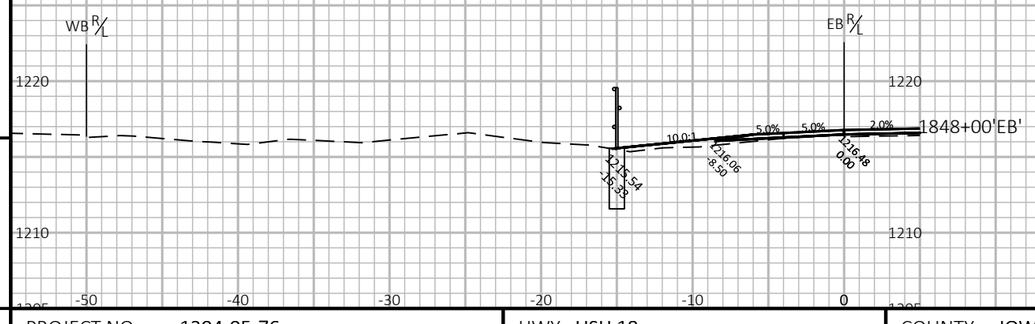
PLOT NAME :

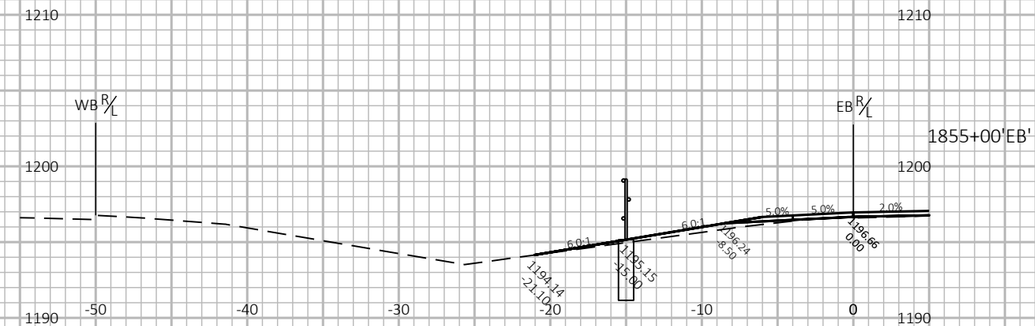
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

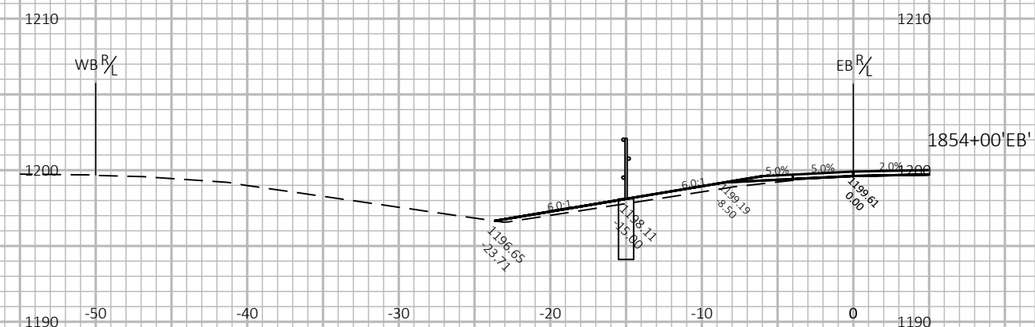
WISDOT/CADDS SHEET 49

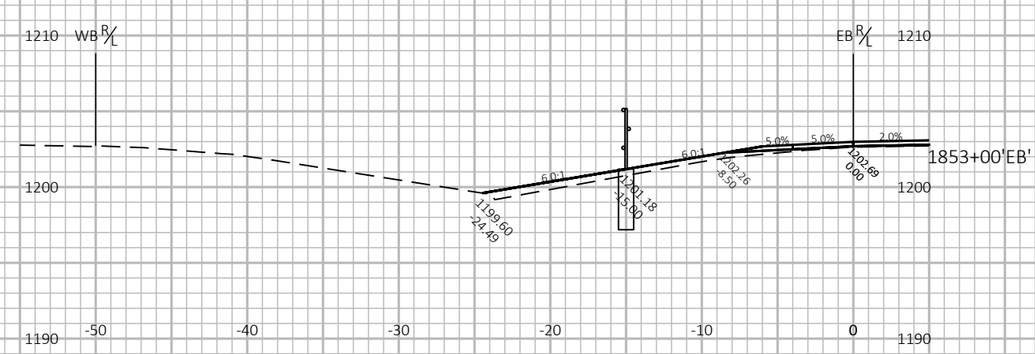


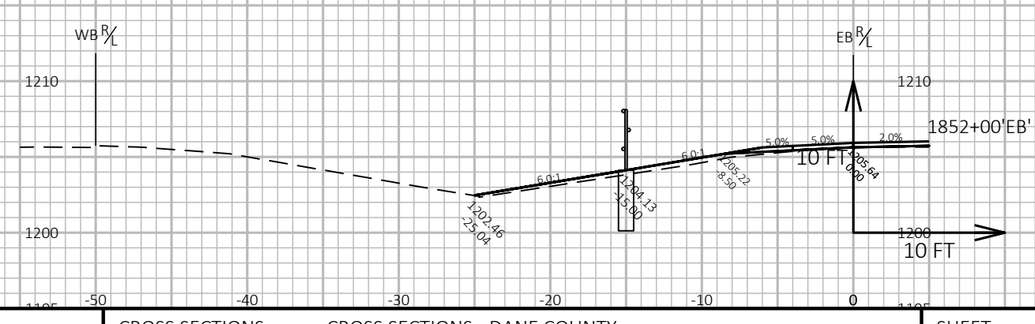












9

9

PROJECT NO: 1204-05-76	HWY: USH 18	COUNTY: IOWA & DANE	CROSS SECTIONS: CROSS SECTIONS - DANE COUNTY	SHEET 111	E

FILE NAME : P:\2018 PROJECTS\5018041 - WISDOT SWR US 18_151\CIVIL3D\SHEETSPLAN\1204-05-76\090202-XS (DANE COUNTY).DWG
LAYOUT NAME - 14

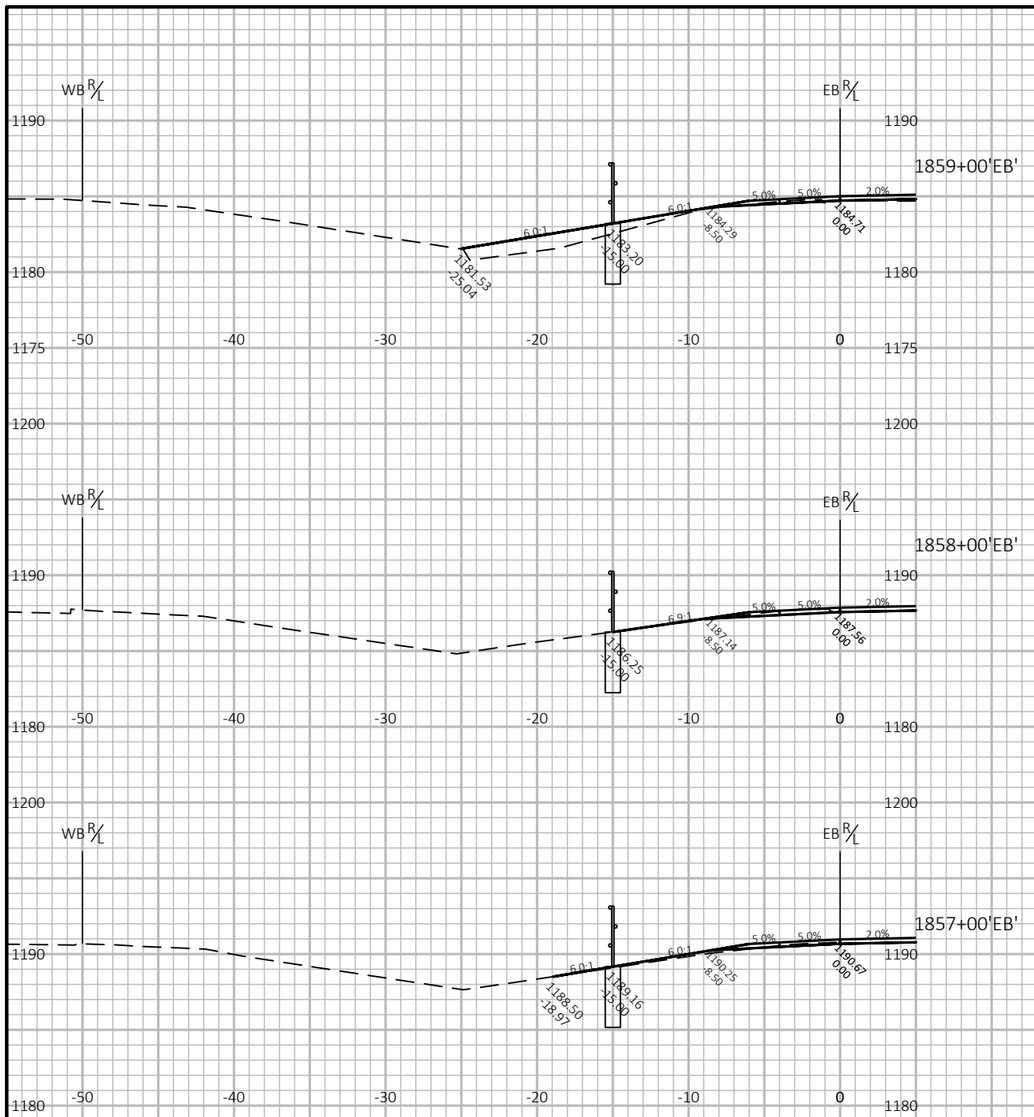
PLOT DATE : 12/9/2019 6:30 PM

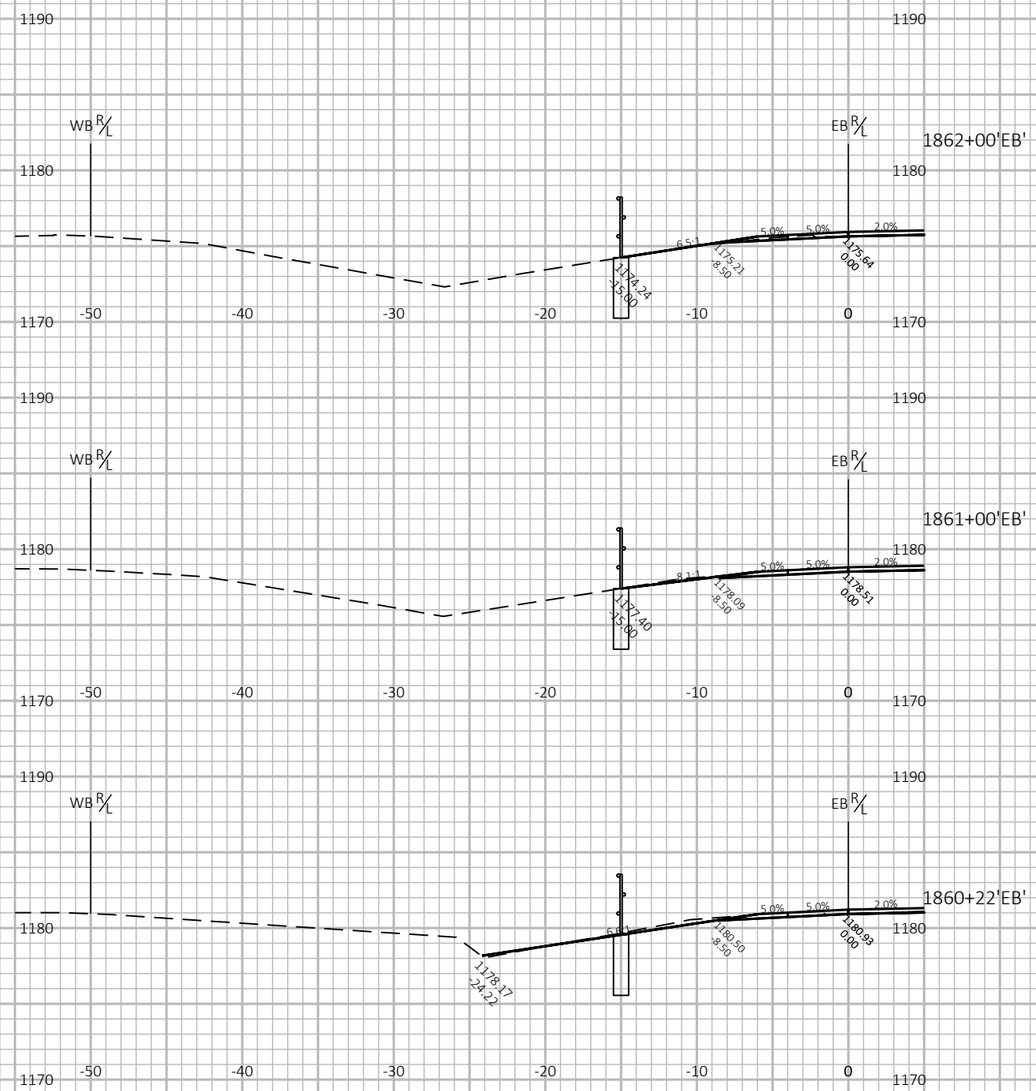
PLOT BY : BRETT PETERSON

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49





9

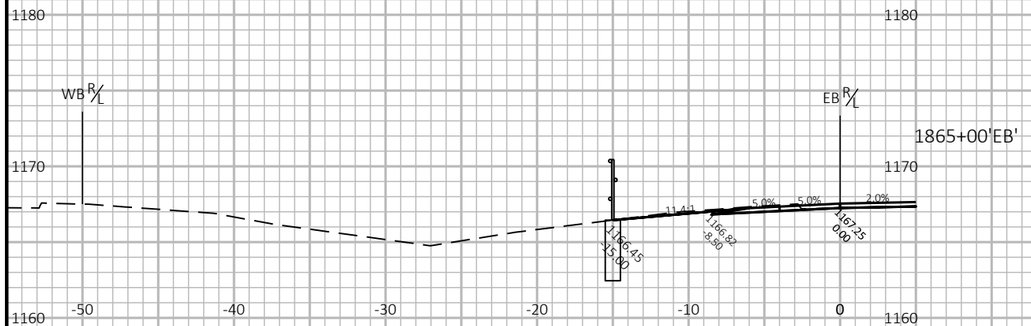
9

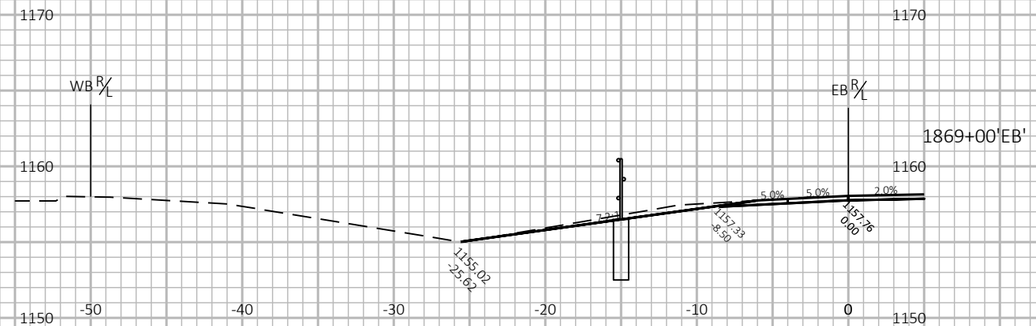
PROJECT NO: 1204-05-76	HWY: USH 18	COUNTY: IOWA & DANE	CROSS SECTIONS: CROSS SECTIONS - DANE COUNTY	SHEET 112	E

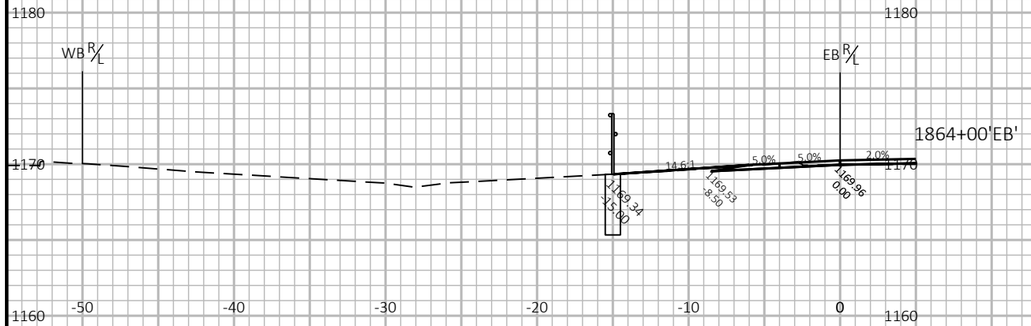
FILE NAME : P:\2018 PROJECTS\5018041 - WISDOT SWR US 18_151\CIVIL3D\SHEETSPLAN\1204-05-76\090202-XS (DANE COUNTY).DWG
LAYOUT NAME - 15

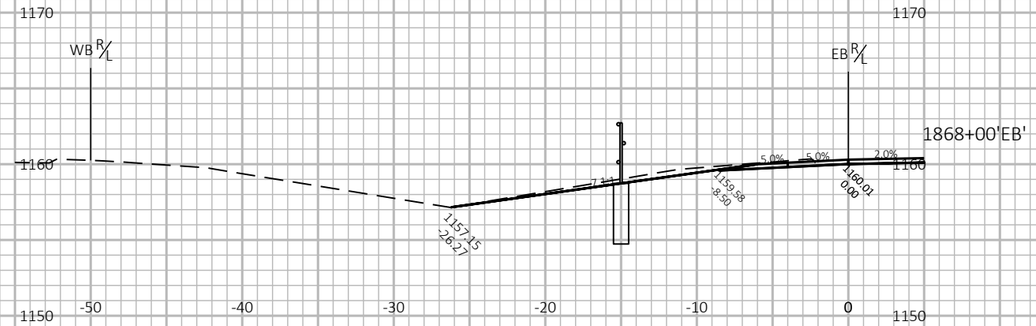
PLOT DATE : 12/9/2019 6:31 PM PLOT BY : BRETT PETERSON PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

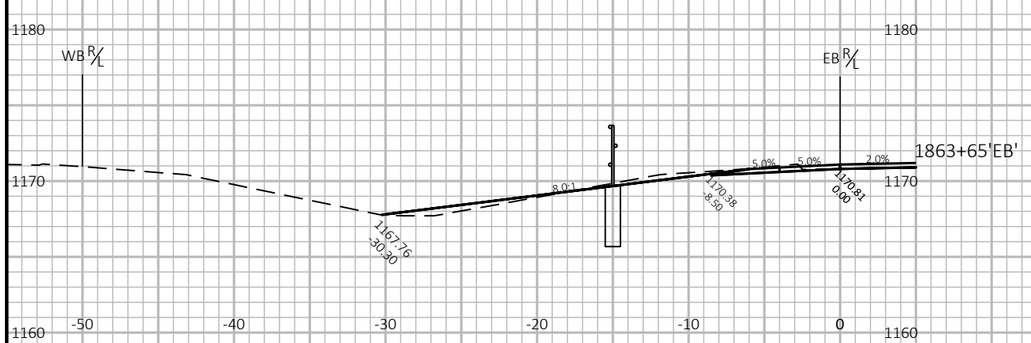
WISDOT/CADDS SHEET 49

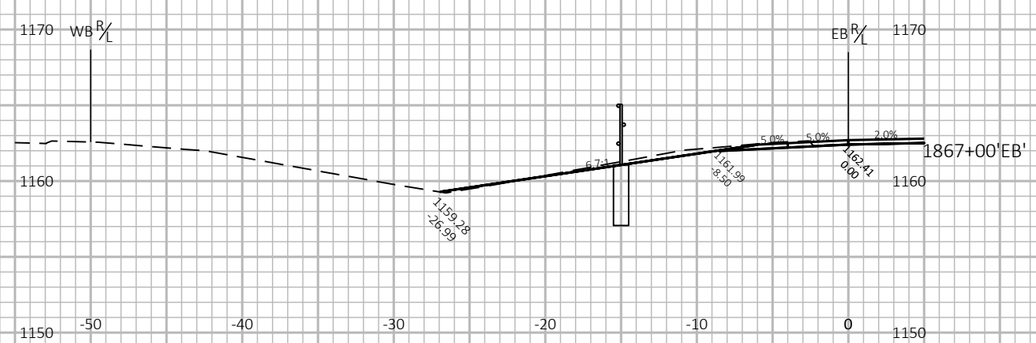


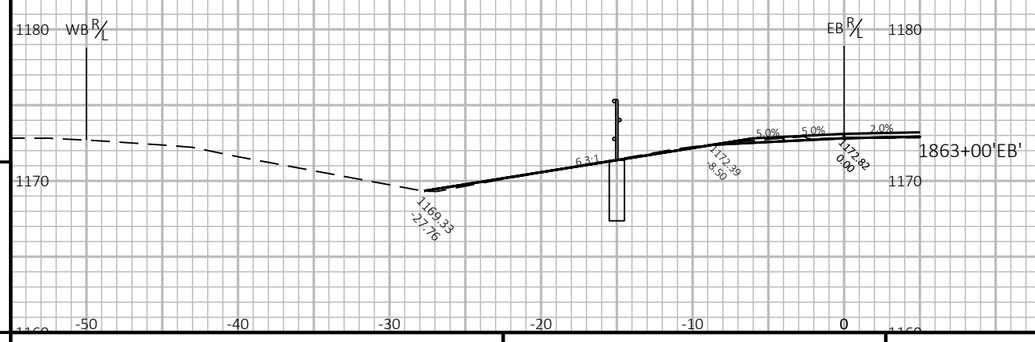


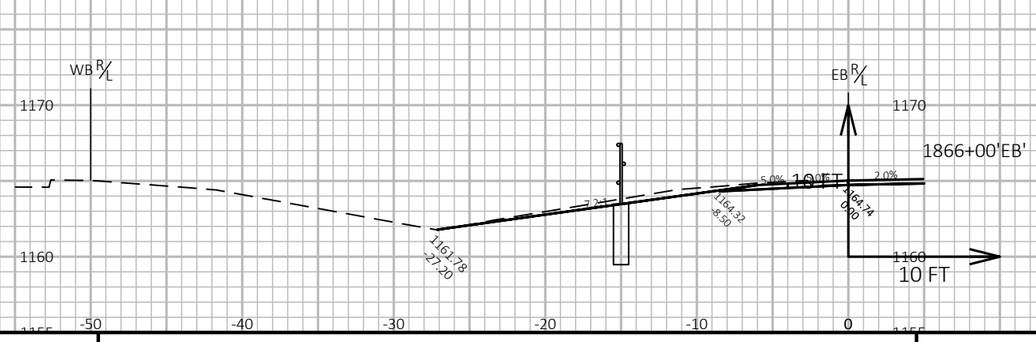












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PROJECT NO: 1204-05-76	HWY: USH 18	COUNTY: IOWA & DANE	CROSS SECTIONS: CROSS SECTIONS - DANE COUNTY	SHEET 113	E

FILE NAME : P:\2018 PROJECTS\5018041 - WISDOT SWR US 18_151\CIVIL3D\SHEETSPLAN\1204-05-76\090202-XS (DANE COUNTY).DWG
LAYOUT NAME - 16

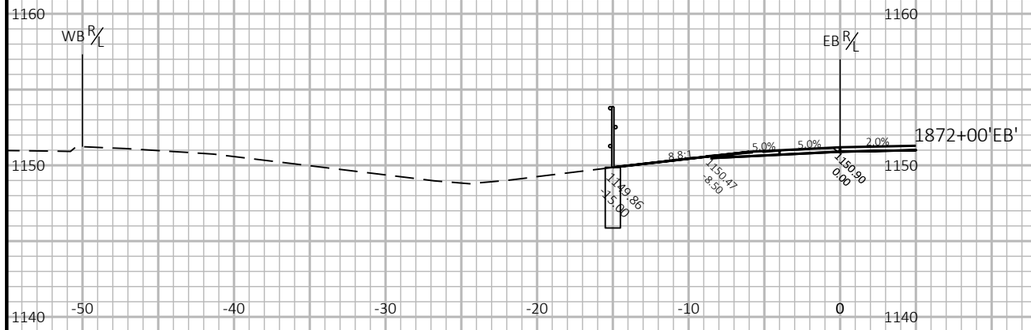
PLOT DATE : 12/9/2019 6:32 PM

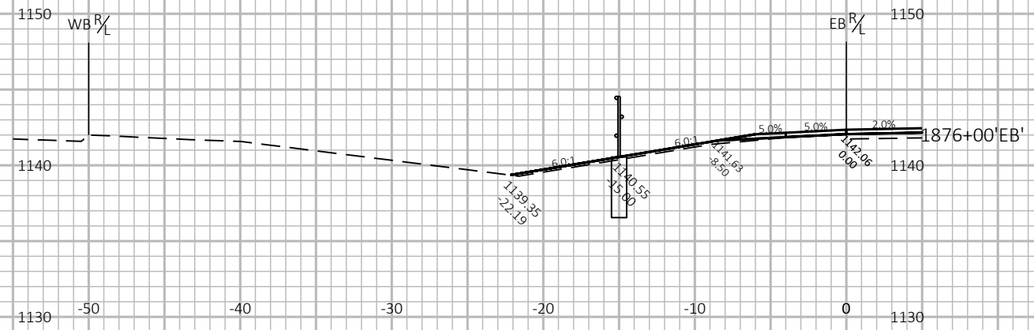
PLOT BY : BRETT PETERSON

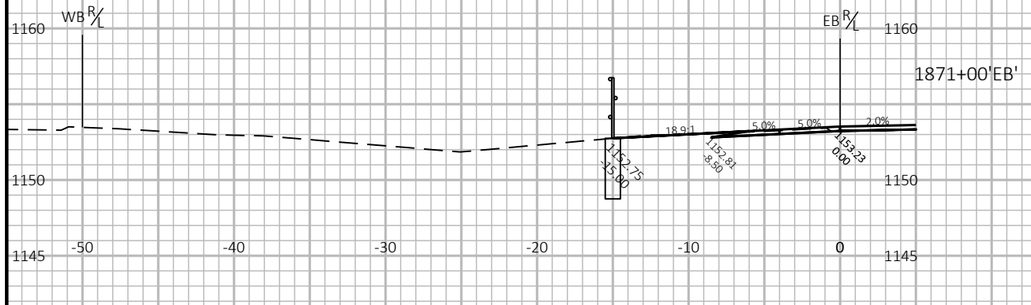
PLOT NAME :

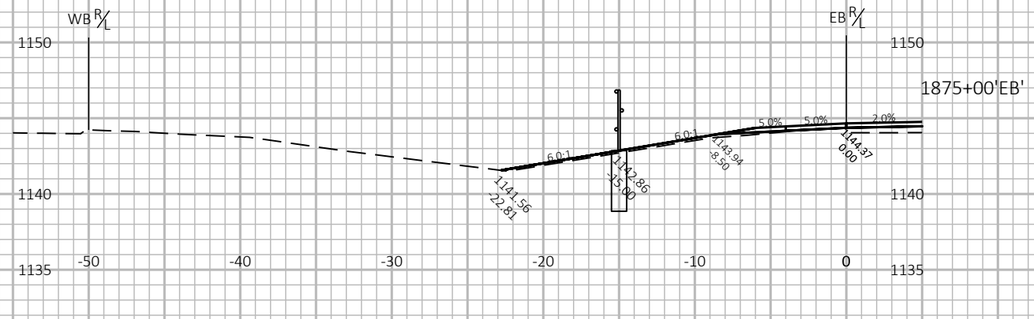
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

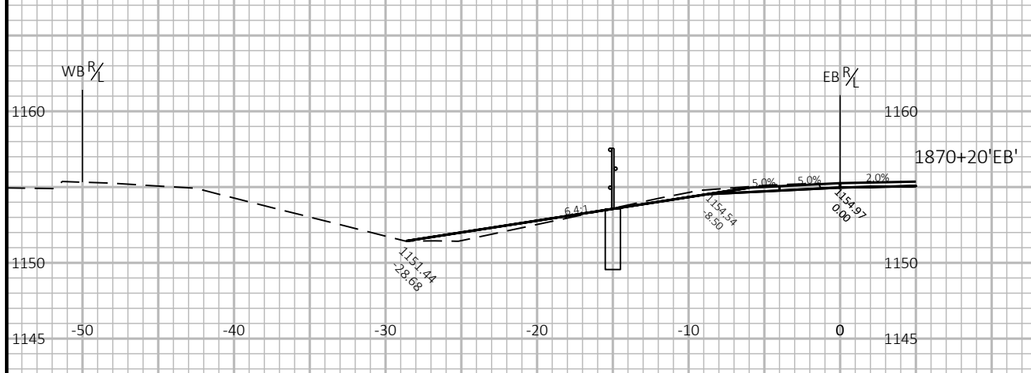
WISDOT/CADDS SHEET 49

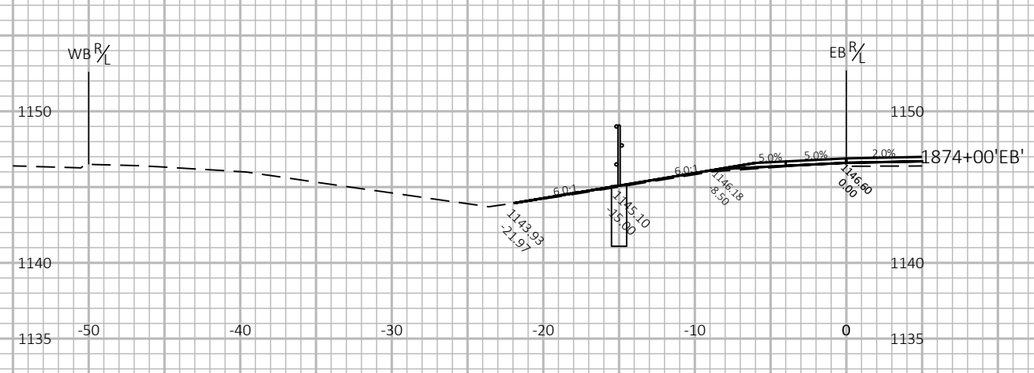


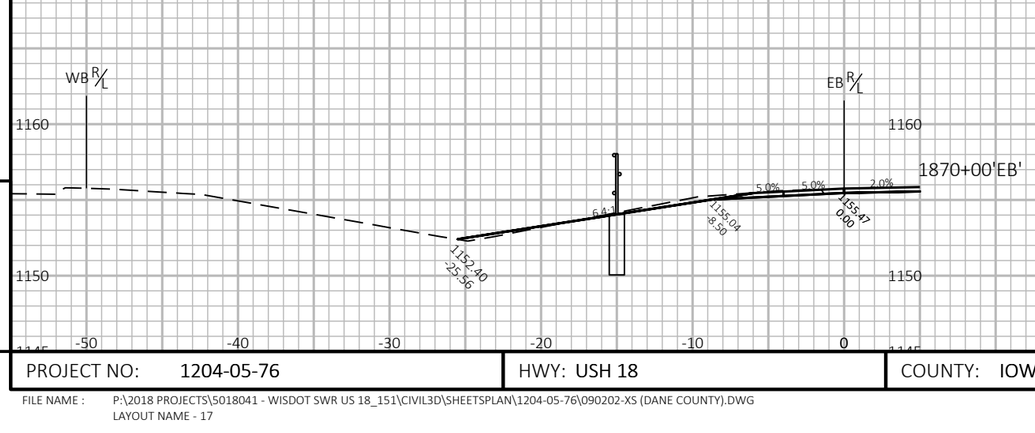


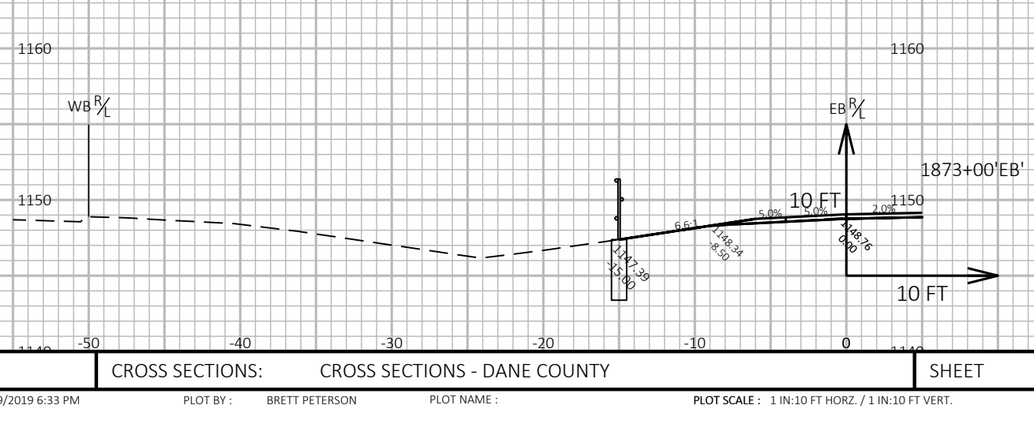












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9

PROJECT NO: 1204-05-76	HWY: USH 18	COUNTY: IOWA & DANE	CROSS SECTIONS: CROSS SECTIONS - DANE COUNTY	SHEET 114	E

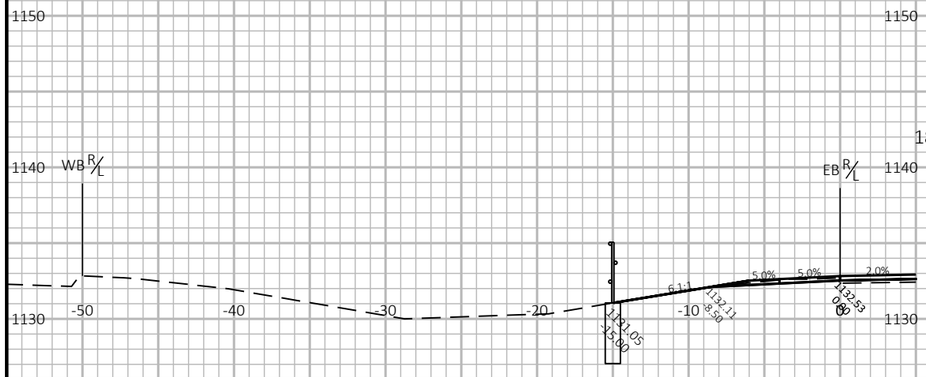
FILE NAME : P:\2018 PROJECTS\5018041 - WISDOT SWR US 18_151\CIVIL3D\SHEETSPLAN\1204-05-76\090202-XS (DANE COUNTY).DWG
LAYOUT NAME - 17

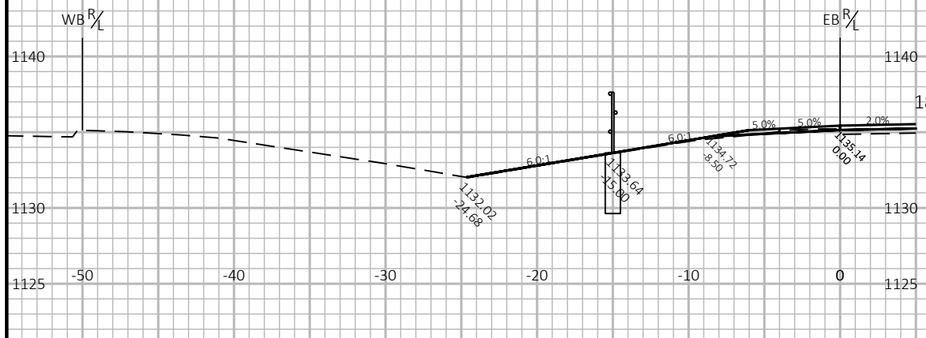
PLOT DATE : 12/9/2019 6:33 PM

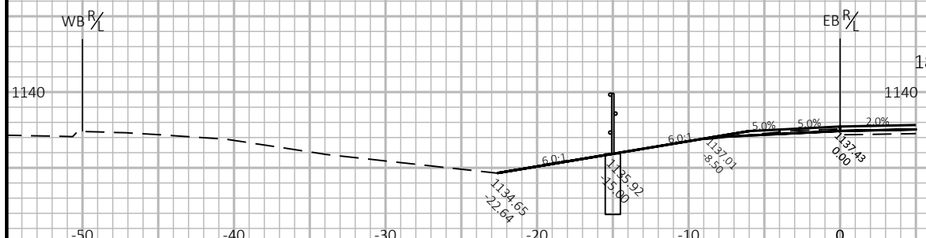
PLOT BY : BRETT PETERSON

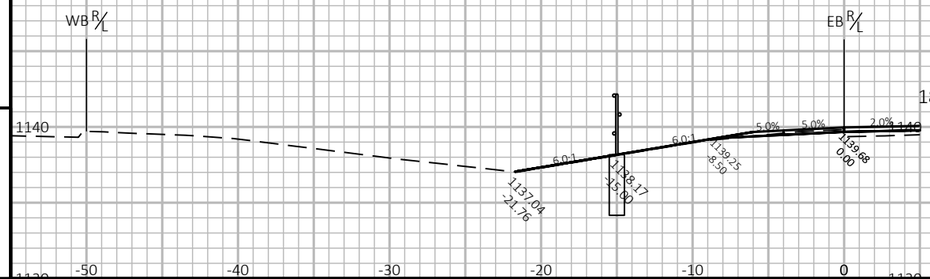
PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.









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9

PROJECT NO: 1204-05-76	HWY: USH 18	COUNTY: IOWA & DANE	CROSS SECTIONS: CROSS SECTIONS - DANE COUNTY	SHEET 115	E

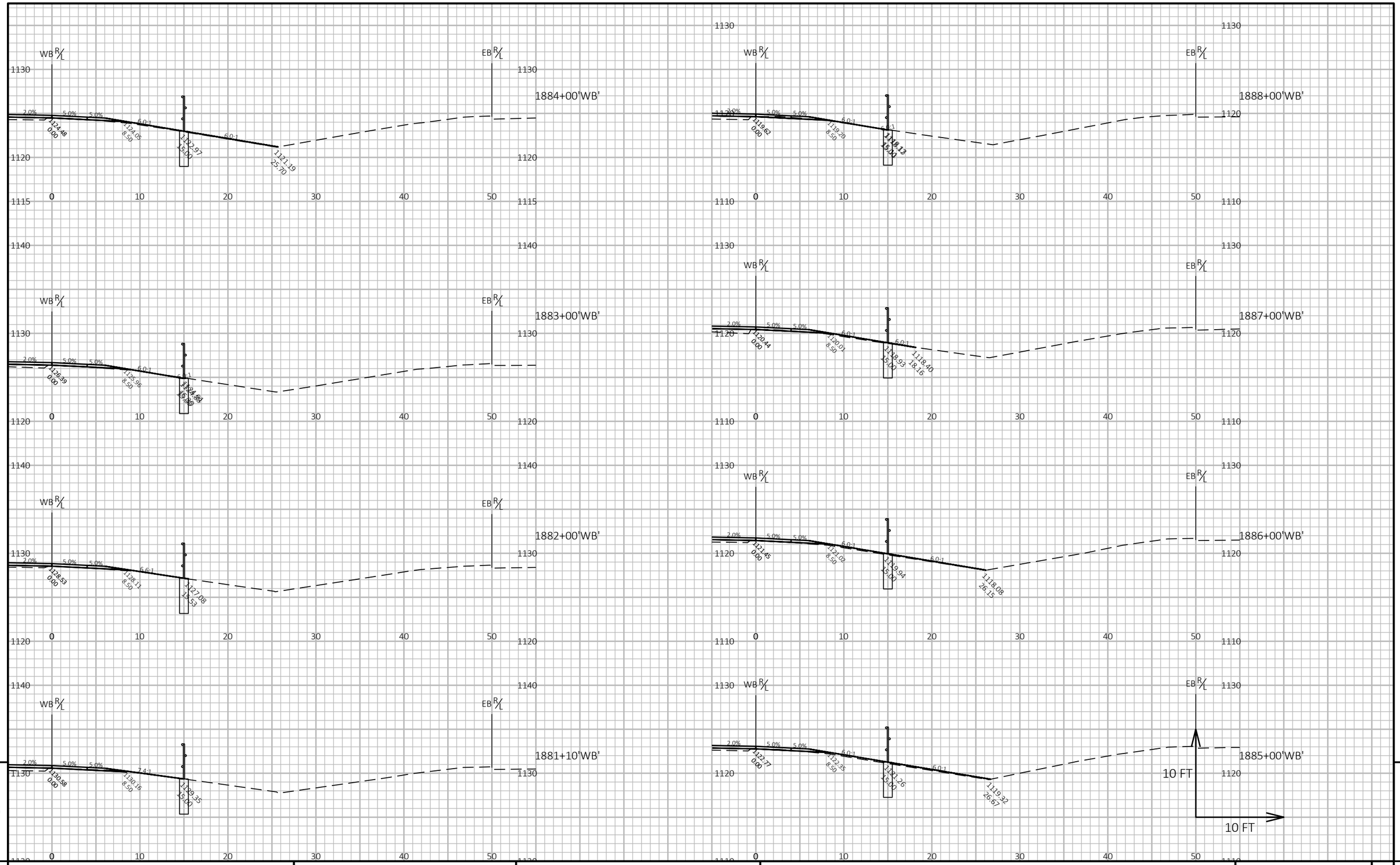
FILE NAME : P:\2018 PROJECTS\5018041 - WISDOT SWR US 18_151\CIVIL3D\SHEETSPLAN\1204-05-76\090202-XS (DANE COUNTY).DWG
LAYOUT NAME - 18

PLOT DATE : 12/9/2019 6:35 PM

PLOT BY : BRETT PETERSON

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



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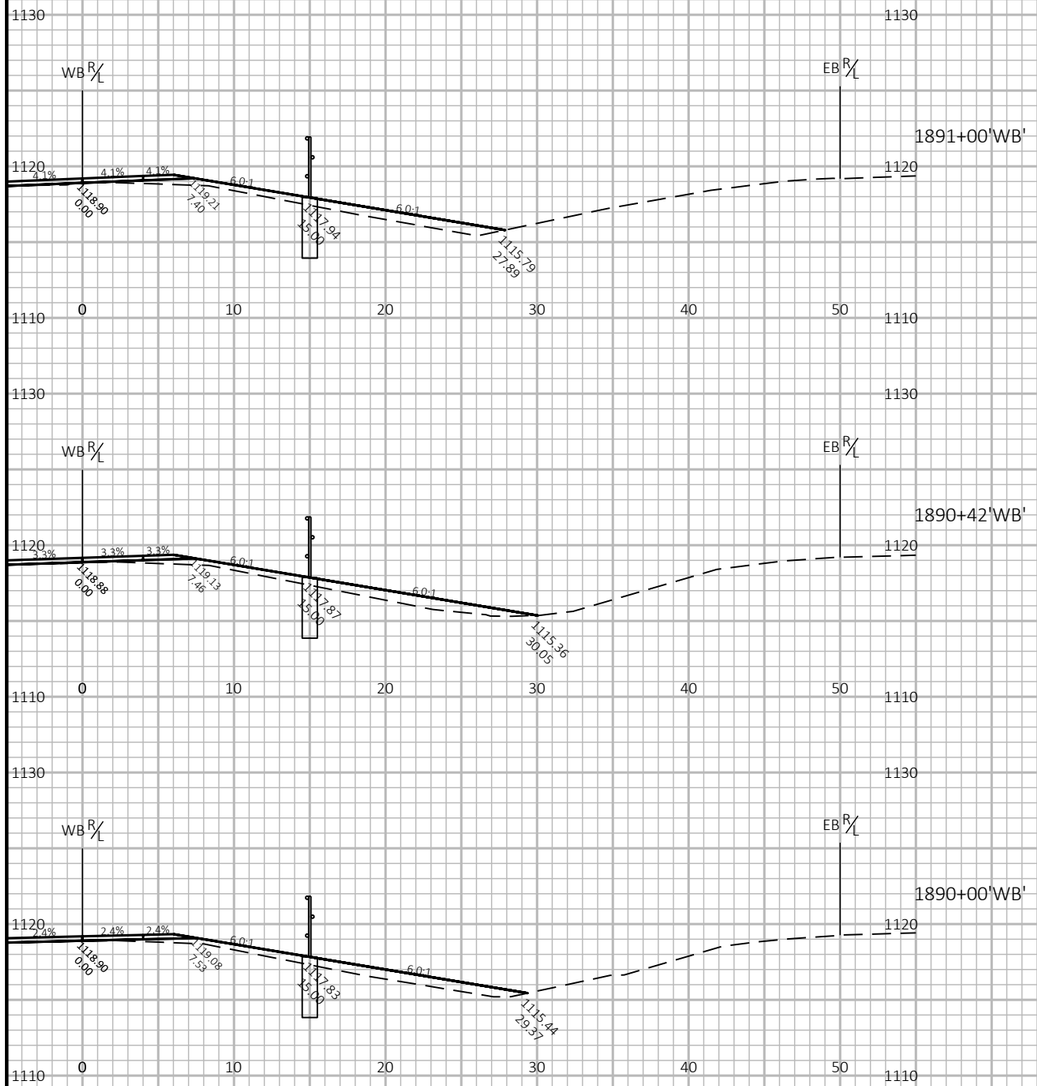
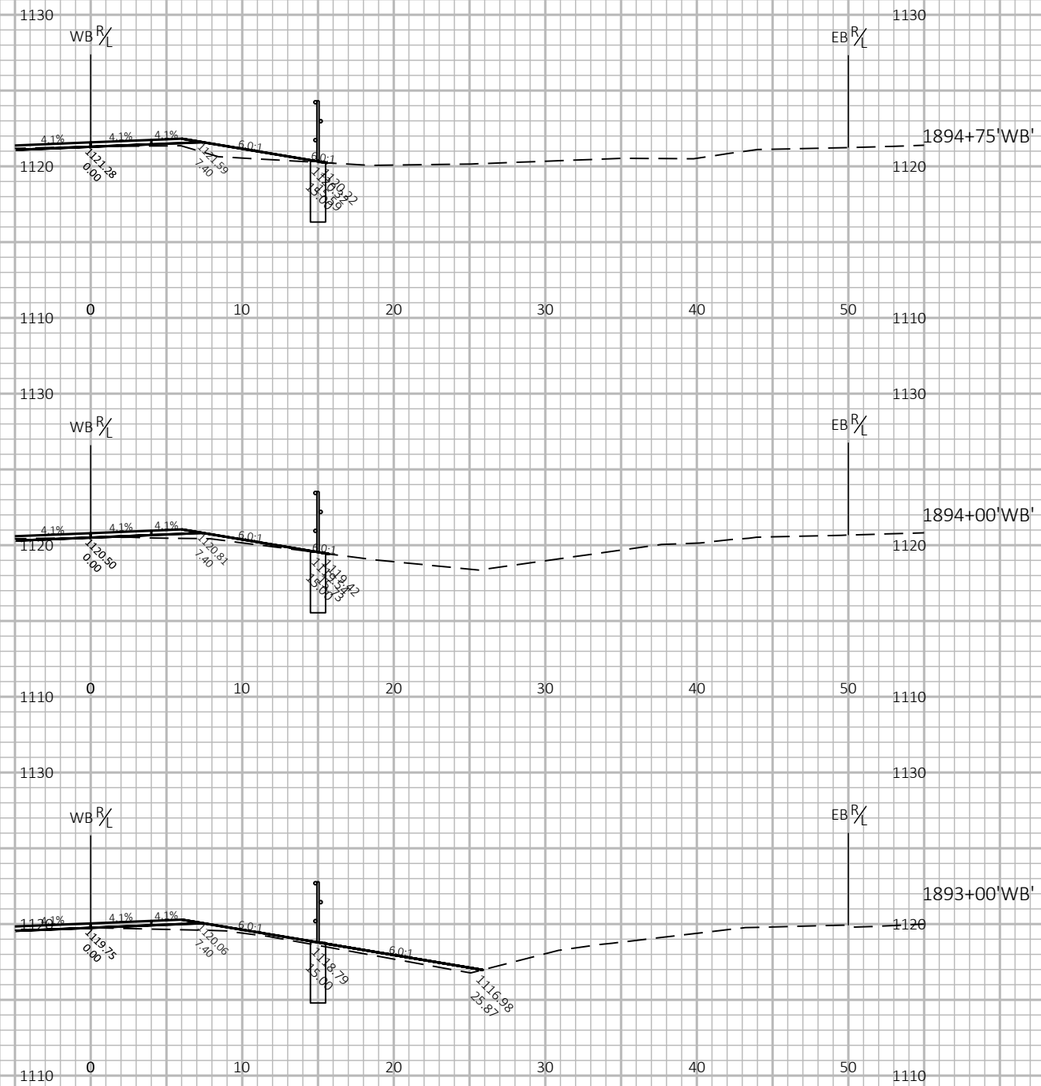
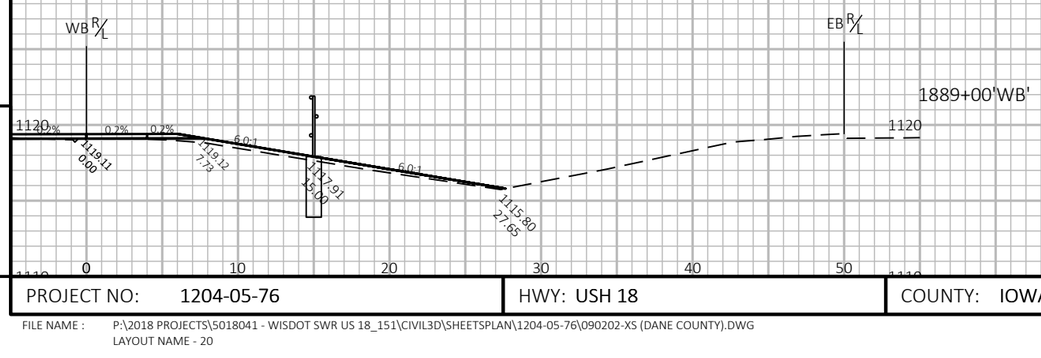
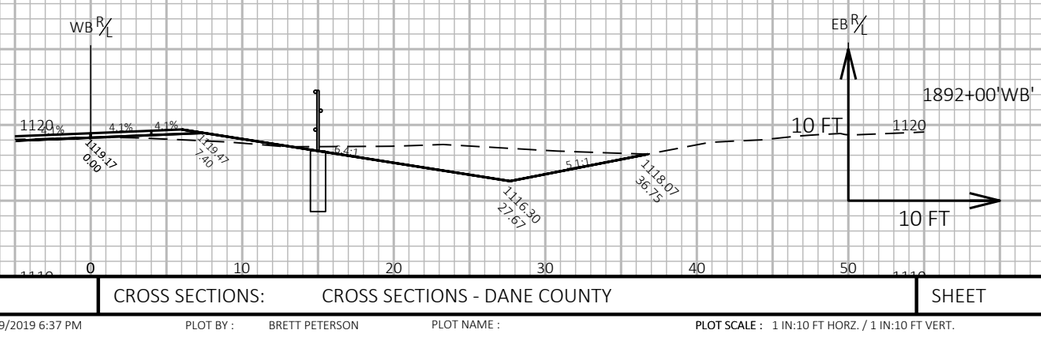
PROJECT NO: 1204-05-76	HWY: USH 18	COUNTY: IOWA & DANE	CROSS SECTIONS: CROSS SECTIONS - DANE COUNTY	SHEET 116	E

FILE NAME : P:\2018 PROJECTS\5018041 - WISDOT SWR US 18_151\CIVIL3D\SHEETSPLAN\1204-05-76\090202-XS (DANE COUNTY).DWG
LAYOUT NAME - 19
PLOT DATE : 12/9/2019 6:36 PM
PLOT BY : BRETT PETERSON
PLOT NAME :
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.
WISDOT/CADDS SHEET 49









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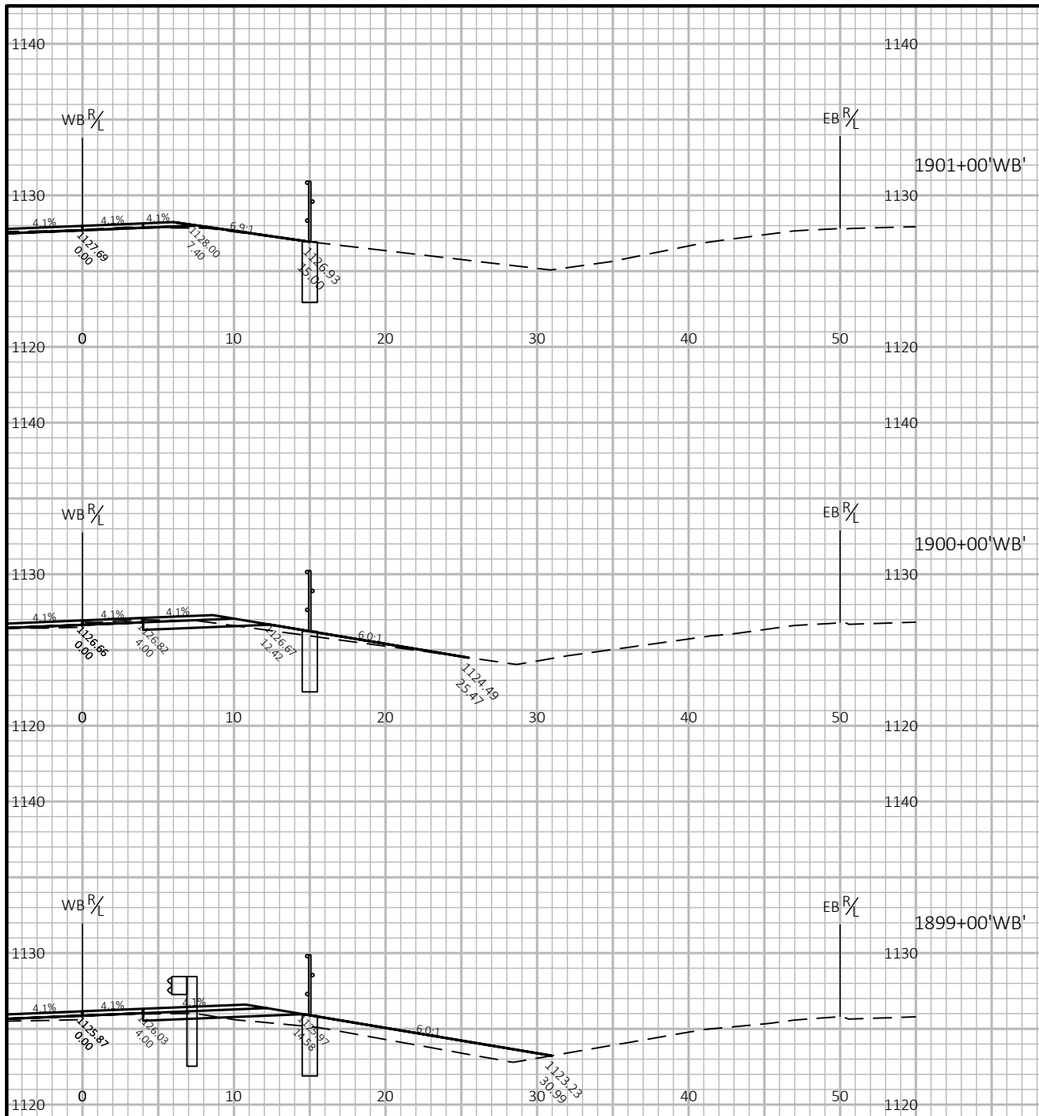
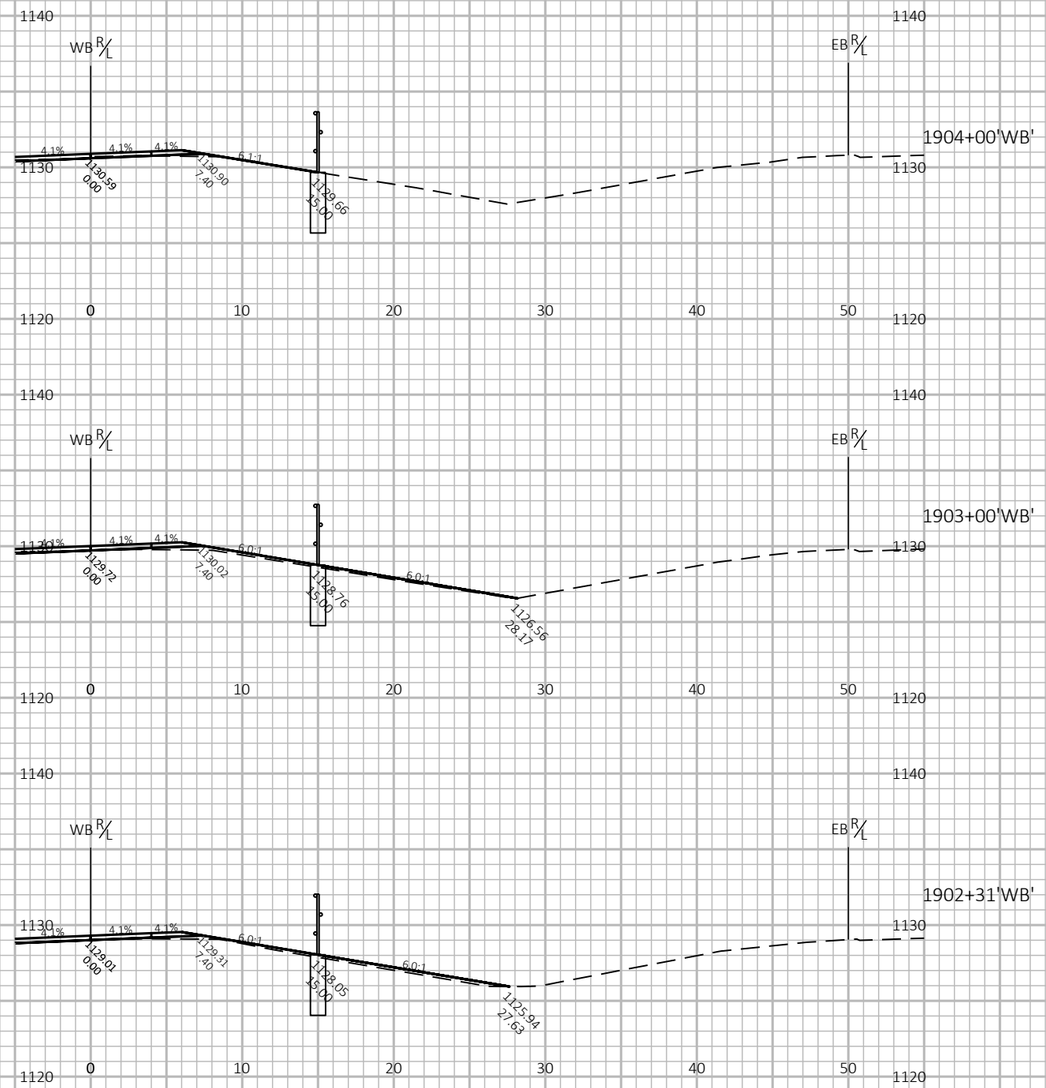
PROJECT NO: 1204-05-76	HWY: USH 18	COUNTY: IOWA & DANE	CROSS SECTIONS: CROSS SECTIONS - DANE COUNTY	SHEET 117	E

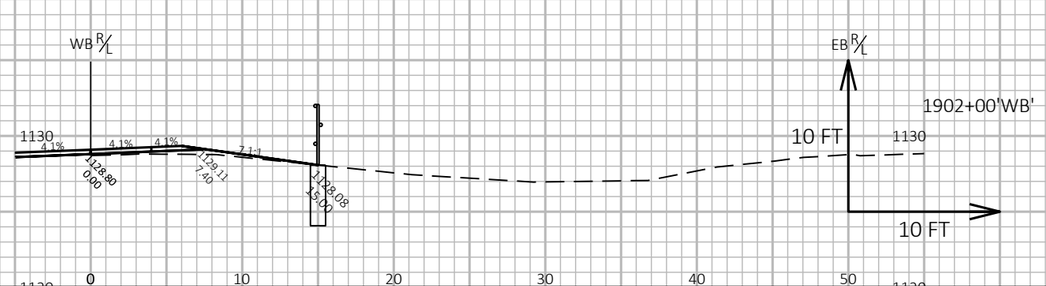
FILE NAME : P:\2018 PROJECTS\5018041 - WISDOT SWR US 18_151\CIVIL3D\SHEETSPLAN\1204-05-76\090202-XS (DANE COUNTY).DWG
LAYOUT NAME - 20

PLOT DATE : 12/9/2019 6:37 PM PLOT BY : BRETT PETERSON PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49







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PROJECT NO: 1204-05-76	HWY: USH 18	COUNTY: IOWA & DANE	CROSS SECTIONS: CROSS SECTIONS - DANE COUNTY	SHEET 118	E

FILE NAME : P:\2018 PROJECTS\5018041 - WISDOT SWR US 18_151\CIVIL3D\SHEETSPLAN\1204-05-76\090202-XS (DANE COUNTY).DWG
LAYOUT NAME - 21

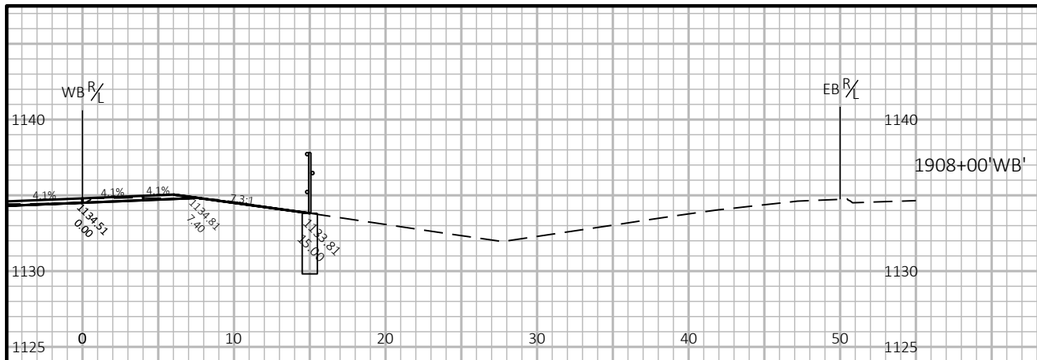
PLOT DATE : 12/9/2019 6:38 PM

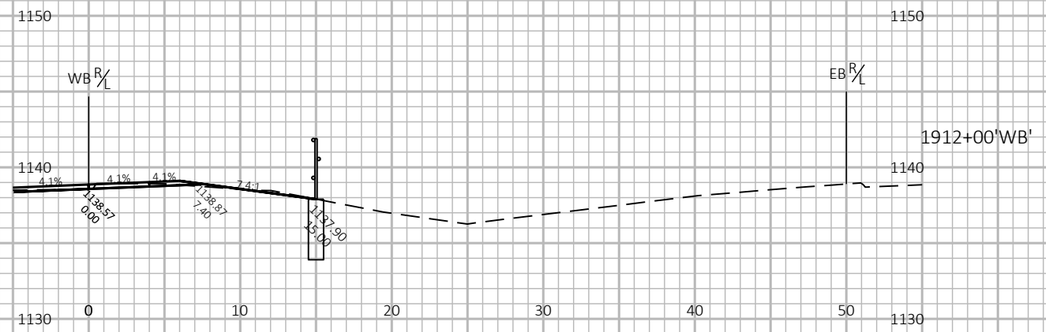
PLOT BY : BRETT PETERSON

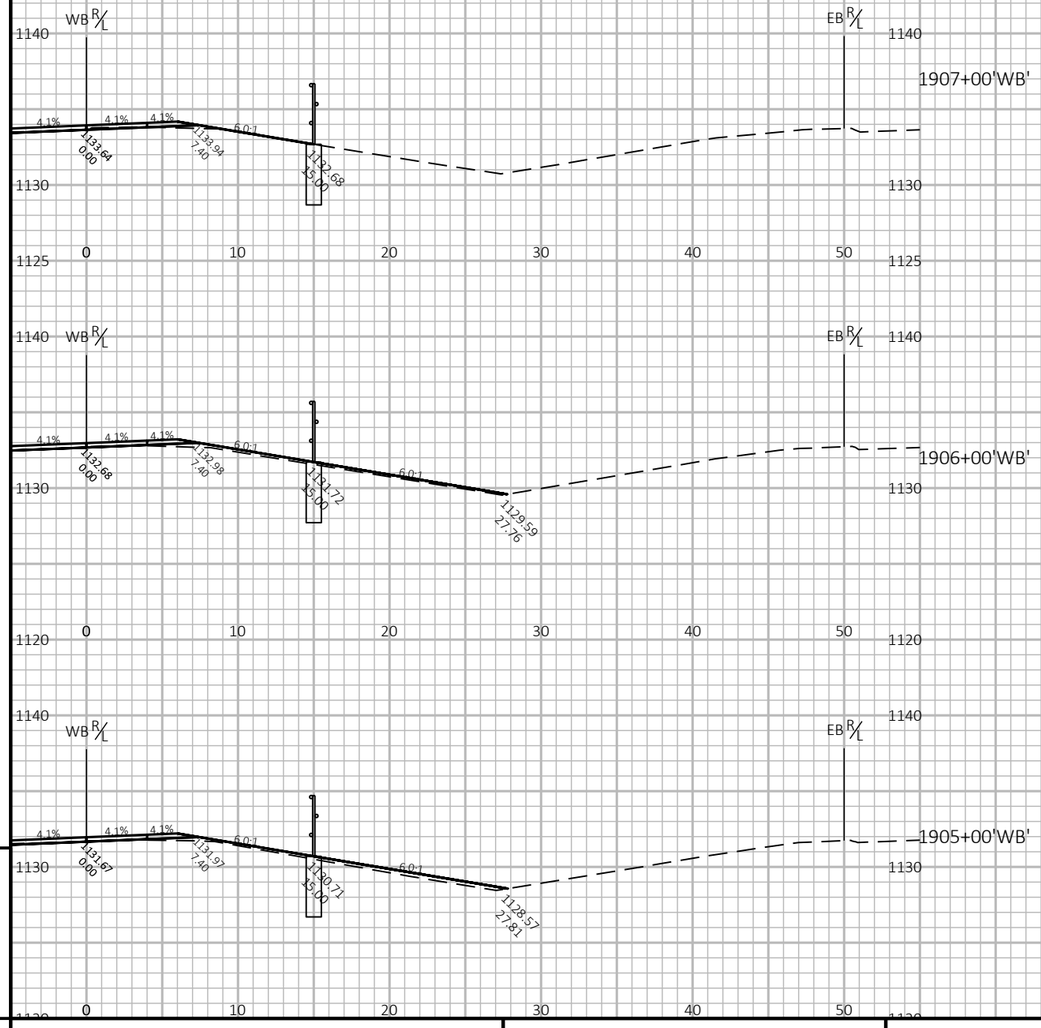
PLOT NAME :

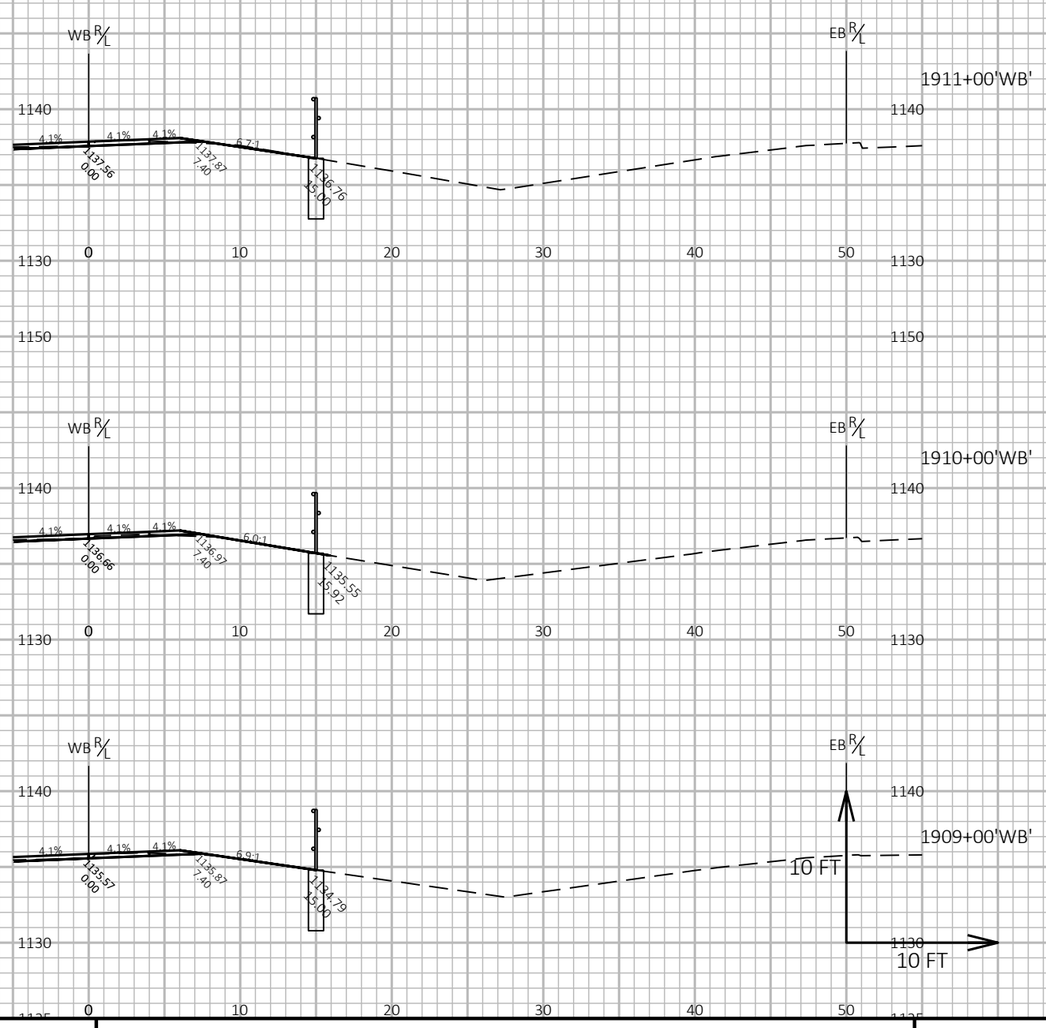
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49









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PROJECT NO: 1204-05-76	HWY: USH 18	COUNTY: IOWA & DANE	CROSS SECTIONS: CROSS SECTIONS - DANE COUNTY	SHEET 119	E

FILE NAME : P:\2018 PROJECTS\5018041 - WISDOT SWR US 18_151\CIVIL3D\SHEETSPLAN\1204-05-76\090202-XS (DANE COUNTY).DWG
LAYOUT NAME - 22

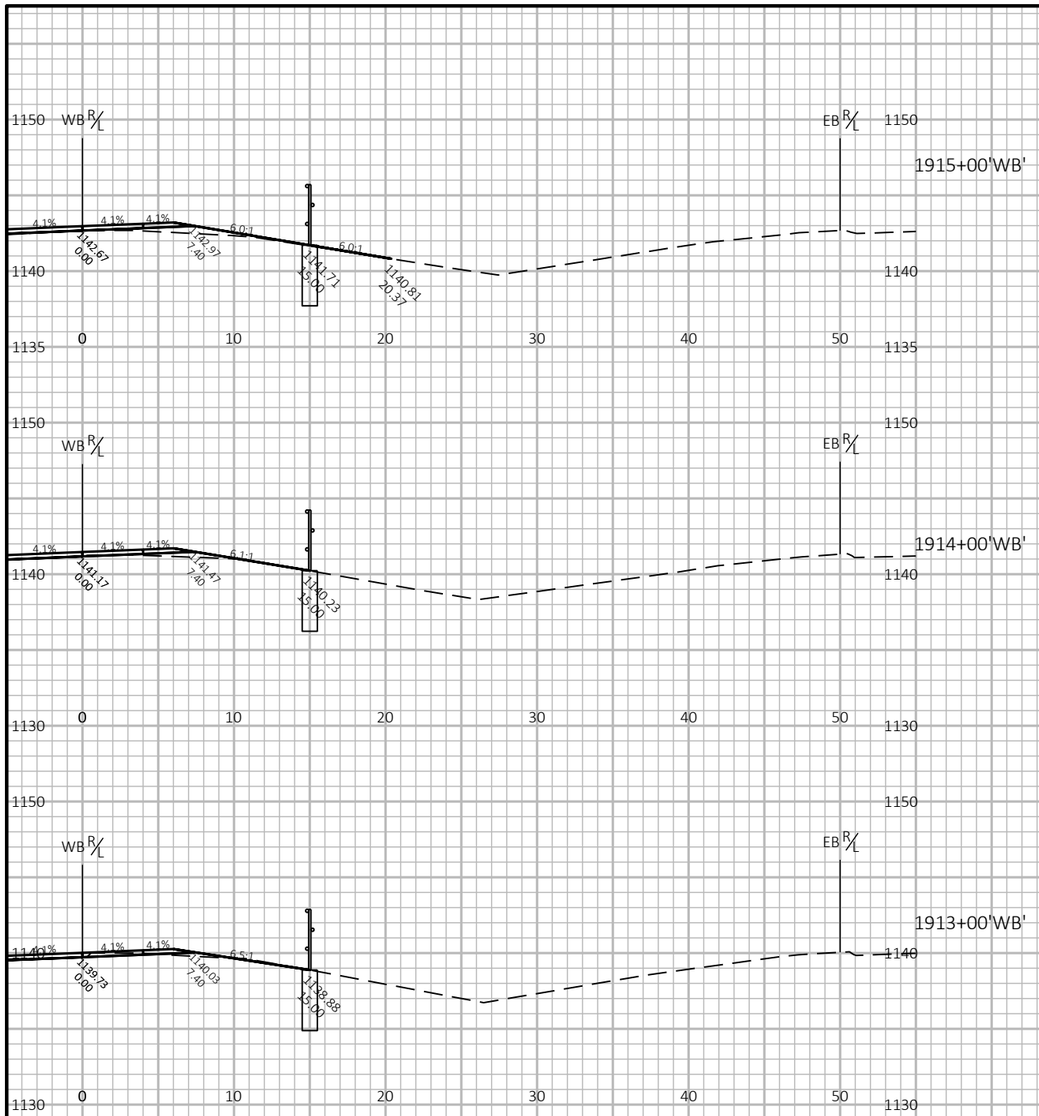
PLOT DATE : 12/9/2019 6:39 PM

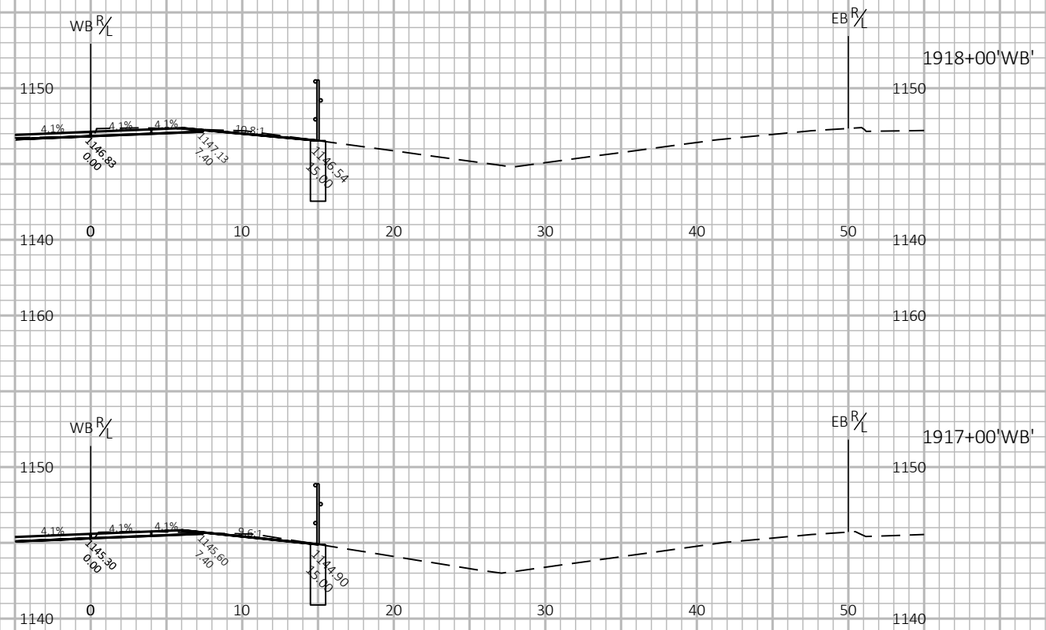
PLOT BY : BRETT PETERSON

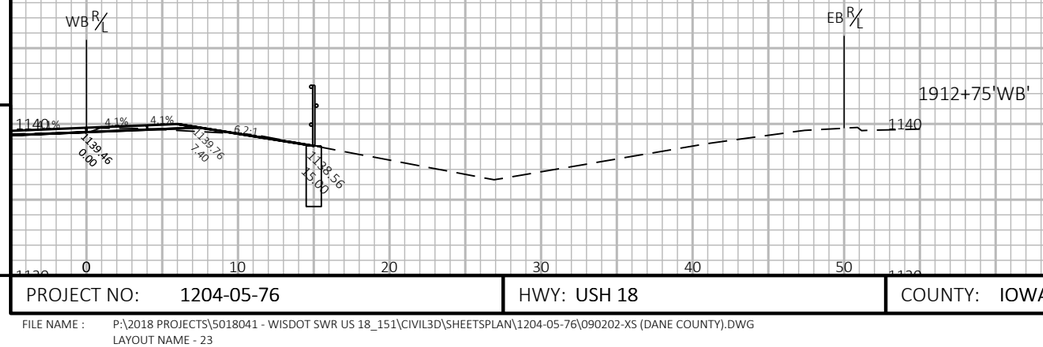
PLOT NAME :

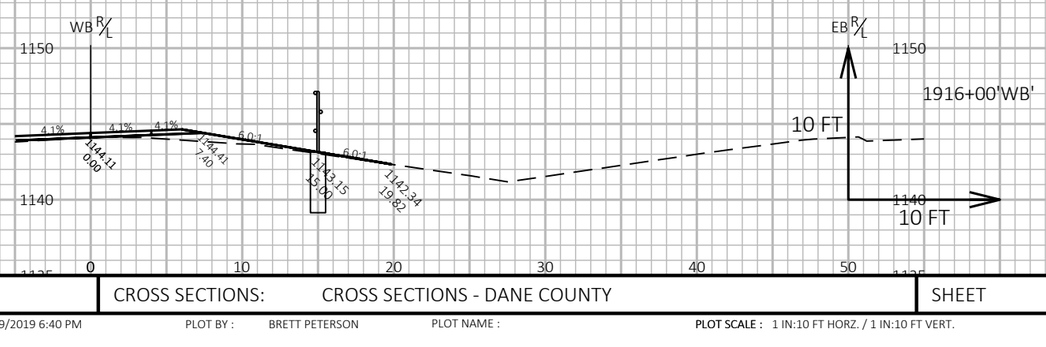
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49









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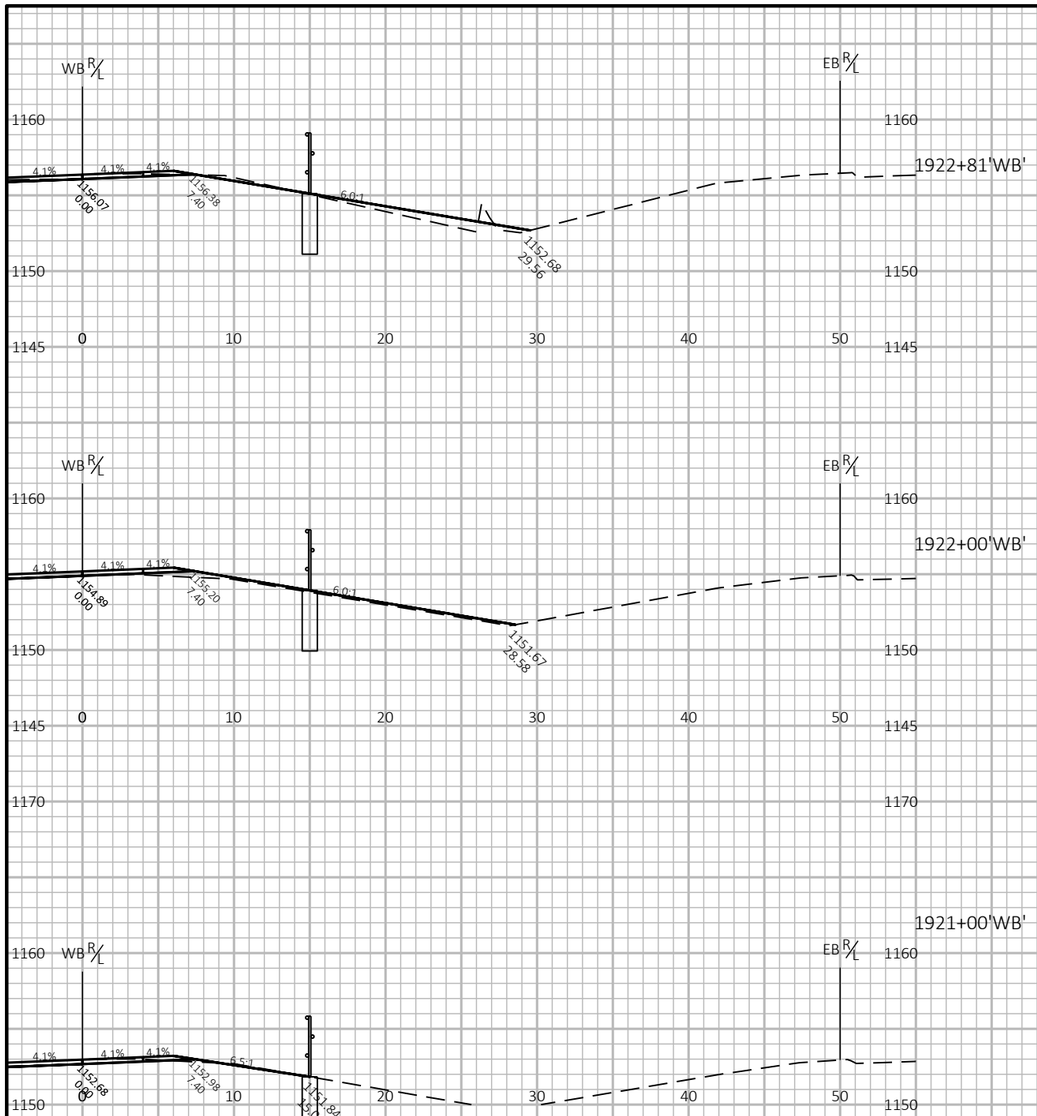
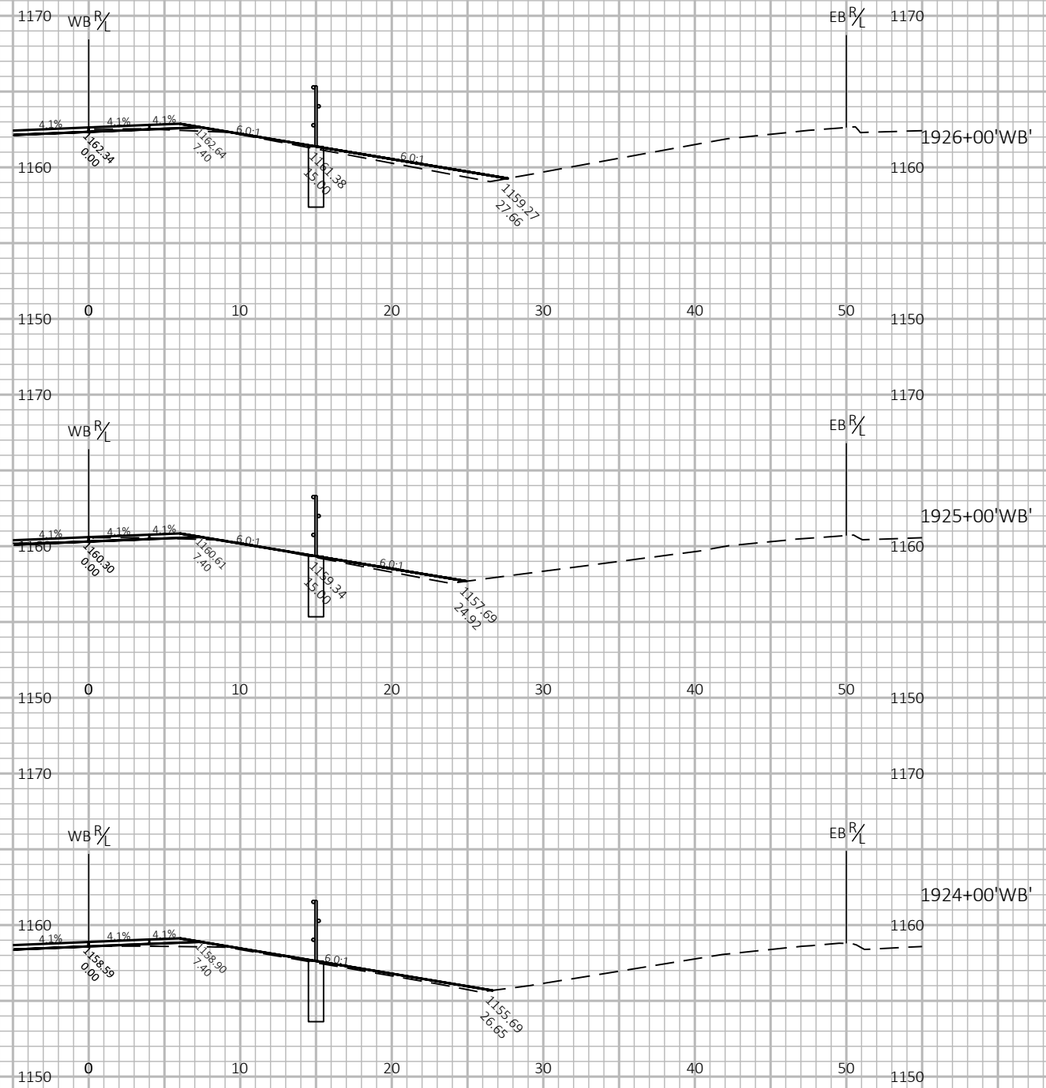
PROJECT NO: 1204-05-76	HWY: USH 18	COUNTY: IOWA & DANE	CROSS SECTIONS: CROSS SECTIONS - DANE COUNTY	SHEET 120	E

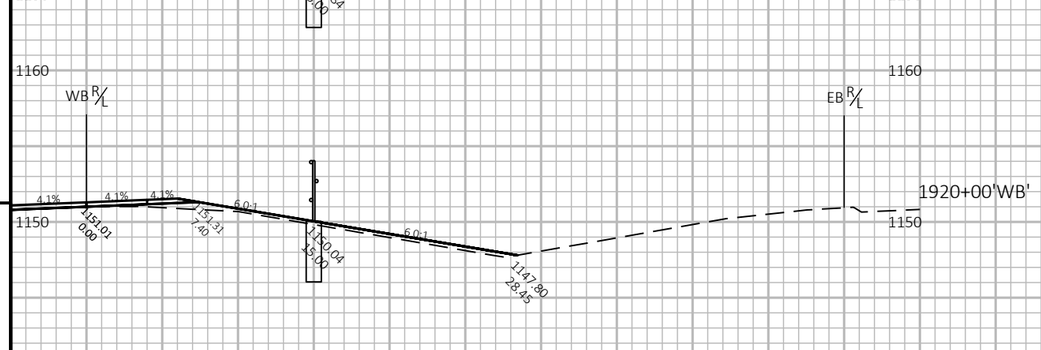
FILE NAME : P:\2018 PROJECTS\5018041 - WISDOT SWR US 18_151\CIVIL3D\SHEETSPLAN\1204-05-76\090202-XS (DANE COUNTY).DWG
LAYOUT NAME - 23

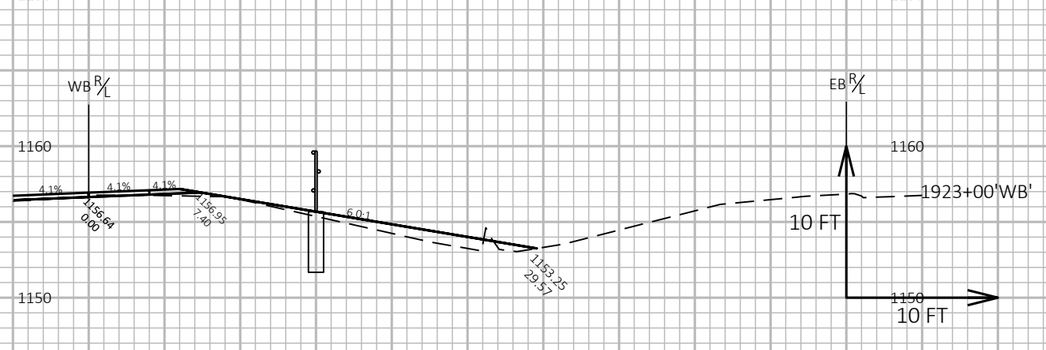
PLOT DATE : 12/9/2019 6:40 PM PLOT BY : BRETT PETERSON PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49









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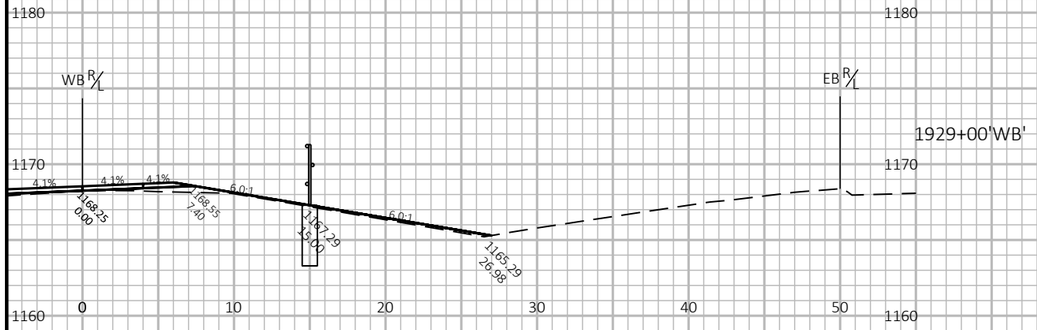
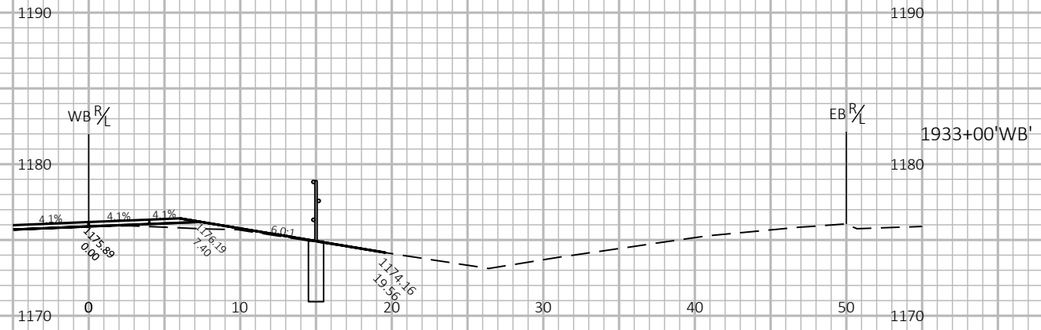
PROJECT NO: 1204-05-76	HWY: USH 18	COUNTY: IOWA & DANE	CROSS SECTIONS: USH 18 - DANE COUNTY	SHEET 121	E

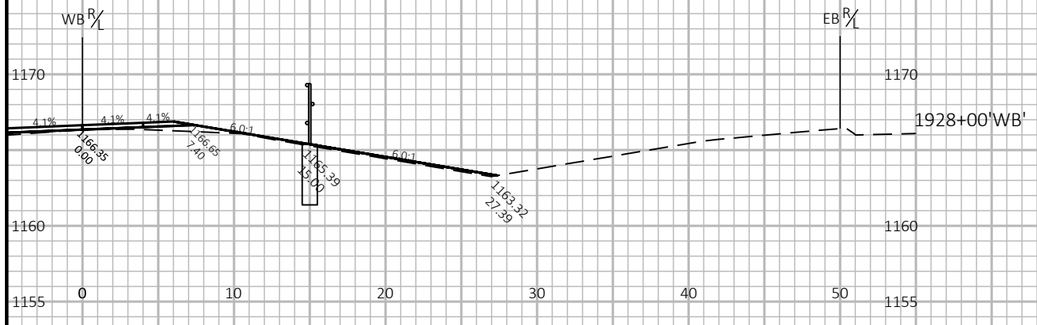
FILE NAME : P:\2018 PROJECTS\5018041 - WISDOT SWR US 18_151\CIVIL3D\SHEETSPLAN\1204-05-76\090202-XS (DANE COUNTY).DWG
LAYOUT NAME - 24

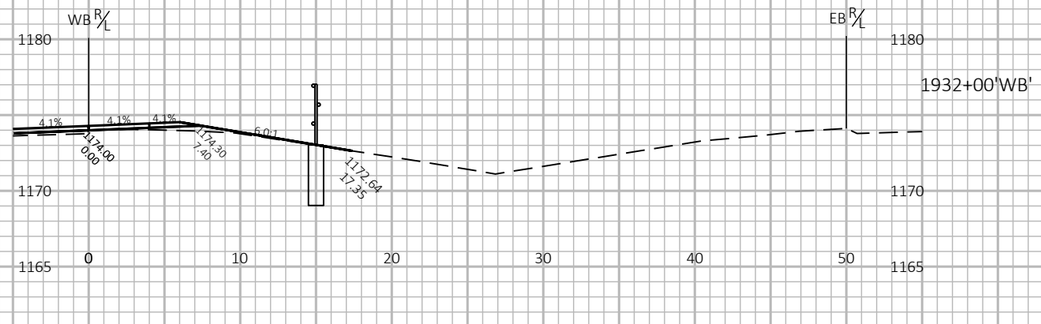
PLOT DATE : 12/9/2019 6:41 PM PLOT BY : BRETT PETERSON PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

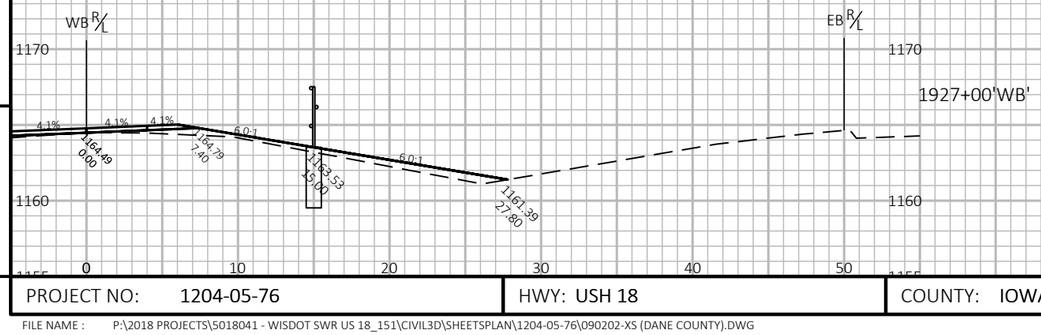
WISDOT/CADDS SHEET 49

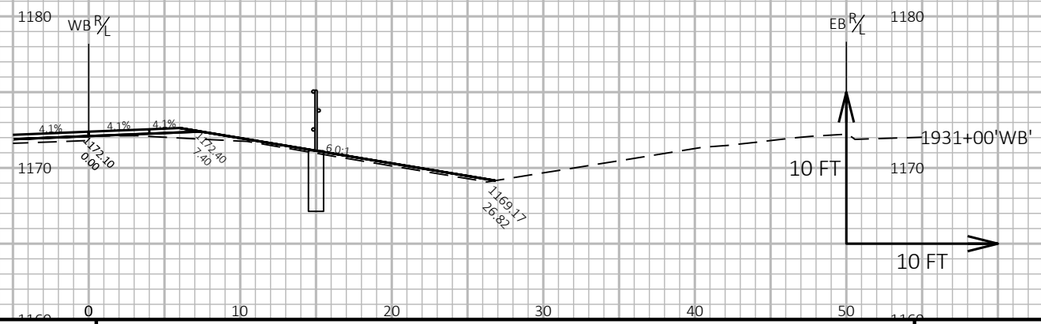












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PROJECT NO: 1204-05-76	HWY: USH 18	COUNTY: IOWA & DANE	CROSS SECTIONS: USH 18 - DANE COUNTY	SHEET 122	E

FILE NAME : P:\2018 PROJECTS\5018041 - WISDOT SWR US 18_151\CIVIL3D\SHEETSPLAN\1204-05-76\090202-XS (DANE COUNTY).DWG
LAYOUT NAME - 25

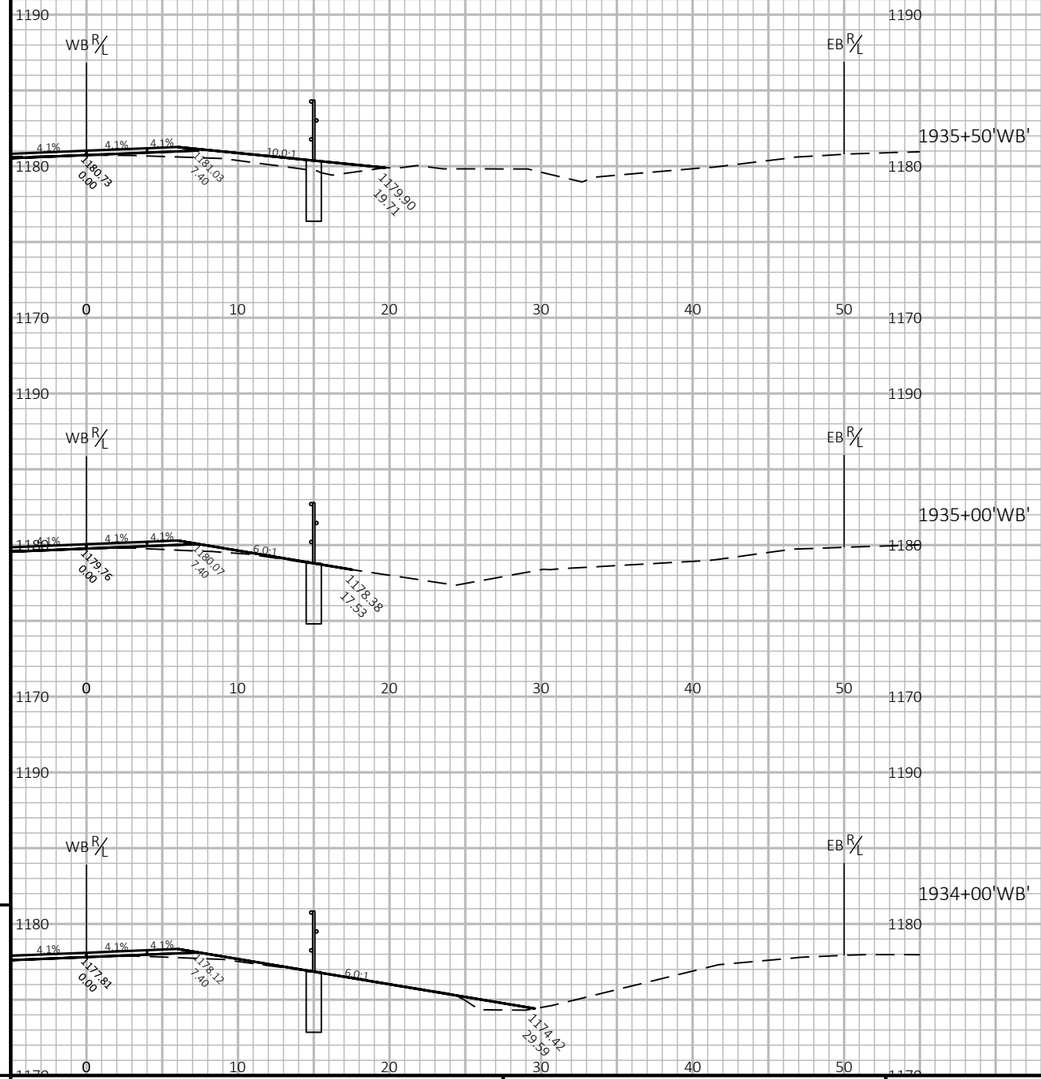
PLOT DATE : 12/9/2019 6:42 PM

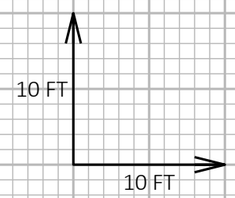
PLOT BY : BRETT PETERSON

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49





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PROJECT NO: 1204-05-76	HWY: USH 18	COUNTY: IOWA & DANE	CROSS SECTIONS: USH 18 - DANE COUNTY	SHEET 123	E

FILE NAME : P:\2018 PROJECTS\5018041 - WISDOT SWR US 18_151\CIVIL3D\SHEETSPLAN\1204-05-76\090202-XS (DANE COUNTY).DWG
LAYOUT NAME - 26

PLOT DATE : 12/9/2019 6:43 PM

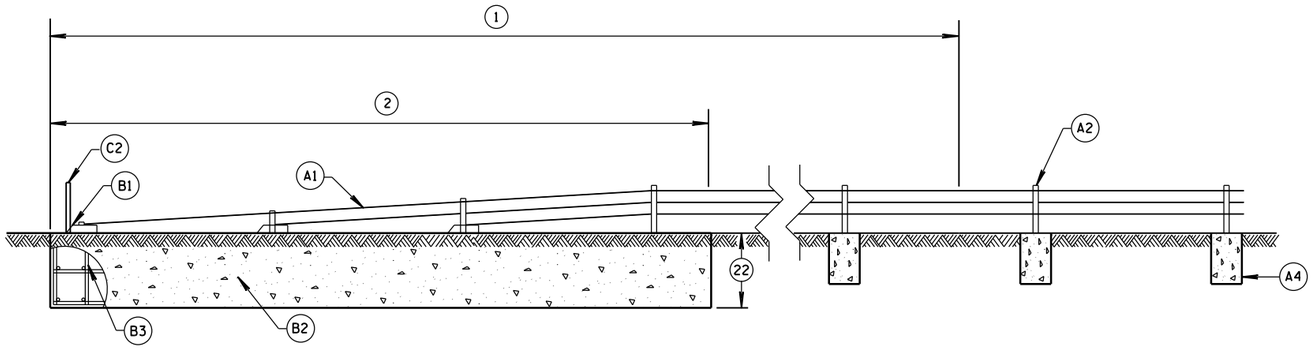
PLOT BY : BRETT PETERSON

PLOT NAME :

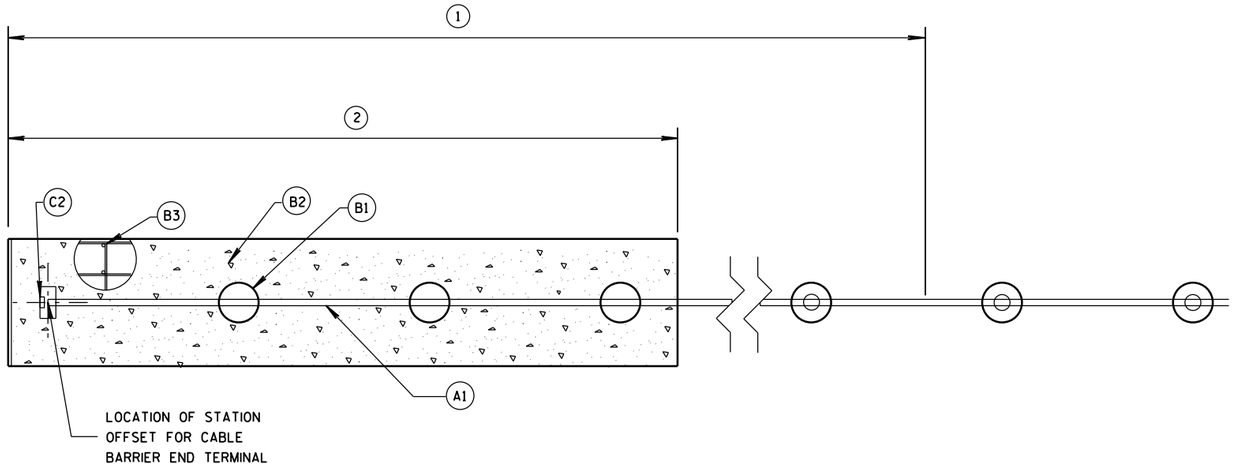
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

SDD 14b52-a Cable Barrier Type 1 - Layout, Material List

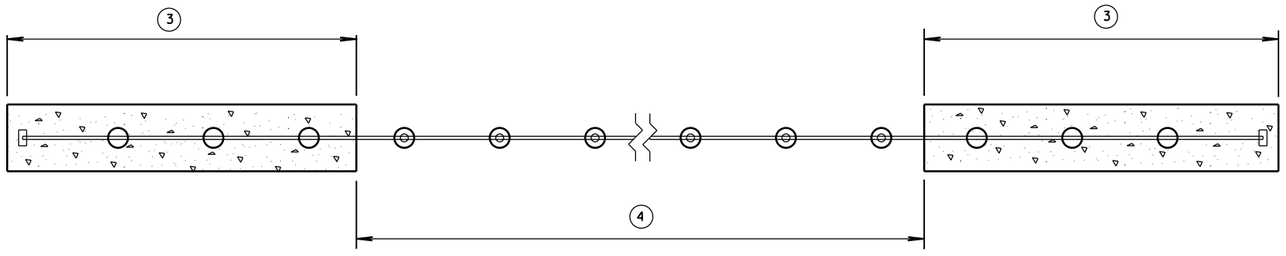


PROFILE VIEW



PLAN VIEW

TRANSITION FROM CABLE BARRIER TERMINAL TO CABLE BARRIER LINE POSTS



TYPICAL PLAN VIEW

GENERAL NOTES

DRAWINGS ARE GENERAL IN NATURE. SEE MANUFACTURER'S INFORMATION FOR MORE DETAIL.

PROVIDE 2 INCH CLEAR COVER FROM OUTER EDGE OF CONCRETE FOOTINGS TO REINFORCEMENT.

INSTALL LINE POST PLUMB. LINE POSTS ARE TO BE EASILY REMOVED BY HAND AND HOLD CABLES AT THE PROPER ELEVATION.

PROVIDE CABLE BARRIER SYSTEM FROM APPROVED PRODUCT LIST.

PROVIDE A SYSTEM TO HAVE THE WORKING WIDTH INDICTED IN PLAN.

PROVIDE DOCUMENTATION HOW POST SPACING, RADIUS OF CURVE AND ANCHOR SPACING INFLUENCES WORKING WIDTH TO CONSTRUCTION STAFF.

PROVIDE A WISCONSIN PROFESSIONAL ENGINEERS STAMPED ANALYSIS THAT THE LINE POST AND CABLE BARRIER END TERMINAL FOOTINGS ARE DESIGNED FOR THE SOIL CONDITIONS PRESENT. THE WISCONSIN P.E. STAMP ANALYSIS IS TO INCLUDE, BUT IS NOT LIMITED TO: DESIGN IMPACT LOADS, FOUNDATION DEISGN METHODOLOGY USED, FACTORS OF SAFETY, SOIL TYPE, SOIL CONDITIONS, AND TEMPERATURE RANGES.

DESIGN LINE POST FOOTINGS SO THAT LINE POST FOOTING MOVE LESS THAN 1 INCH WHEN LINE POST IS IMPACTED BY A TL-3 SMALL CAR.

BILL OF MATERIALS

PART NUMBER	QTY.	DESCRIPTION	MATERIALS SPECIFICATIONS
(A1)	3 OR 4	3/4" 3x7 PRESTRECHED GALVANIZED STEEL WIRE ROPE	ASTM A741 MIN. BREAKING STRENGTH 39,000 LBS.
			AASHTO M30 TYPE 1 CLASS A (GALVANIATION).
			MINIMUM WIRE ROPE MODULUS OF ELASTICITY OF 19,000 PSI ACCORDING TO ISO 12067-202 WIRE ROPE MODULUS OF ELASTICITY "INITIAL" (AS MANUFACTURED), WITH NO BEDDING OR PRESTRECHING OF THE ROPE PERMITTED DURING TESTING.
(A2)	1 PER LINE POST	GALVANIZED REMOVABLE STEEL LINE POST	SEE MANUFACTURER'S INFORMATION ON DIMENSIONS AND MATERIAL REQUIREMENTS.
			ASTM A123 (GALVANIZATION).
(A3)	1 PER LINE POST	GALVANIZED METAL SLEEVE	SEE MANUFACTURER'S INFORMATION ON DIMENSIONS AND MATERIAL REQUIREMENTS.
			ASTM A123 (GALVANIZATION).
(A4)	VARIES	CONCRETE FOR LINE POST FOOTING	A, A-FA.A-T, OR A-IP OF STANDARD SPECIFICATION 501.2 OR AS MANUFACTURER SPECIFIES.
			STANDARD SPECIFICATION 716 OMP FOR CLASS II ANCILLARY CONCRETE.
			SEE MANUFACTURER'S INFORMATION ON DIMENSIONS.
(A5)	VARIES	EPOXY COATED STEEL REINFORCEMENT	STANDARD SPECIFICATION 505.
(A6)	VARIES	TURNBUCKLES AND OTHER CABLE CONNECTING HARDWARE	SEE MANUFACTURER'S INFORMATION ON DIMENSIONS.
			MINIMUM BREAKING STRENGTH OF TURNBUCKLES AND CONNECTION HARDWARE IS EQUAL TO CABLE.
			TURNBUCKLES AND OTHER CABLE CONNECTION HARDWARE IS FIELD SWAGED PER MANUFACTURER'S RECOMMENDATIONS AND DETAILS.
(B1)	VARIES	CABLE CONNECTION TO CABLE BARRIER END TERMINAL	SEE MANUFACTURER'S INFORMATION ON DIMENSIONS AND MATERIAL REQUIREMENTS.
(B2)	VARIES	CONCRETE FOR CABLE BARRIER END TERMINAL	A, A-FA.A-T, OR A-IP OF STANDARD SPECIFICATION 501.2.
			STANDARD SPECIFICATION 716 OMP FOR CLASS II ANCILLARY CONCRETE.
(B3)	VARIES	EPOXY COATED STEEL REINFORCEMENT	STANDARD SPECIFICATION 505.
(C1)	VARIES	LINE POST DELINEATOR	REFLECTIVE SHEETING TYPE SH. SEE APPROVE PRODUCT LIST YELLOW.
(C2)	VARIES	CABLE BARRIER END TERMINAL DELINEATOR	REFLECTIVE SHEETING TYPE SH. SEE APPROVE PRODUCT LIST OBJECT MARKER TYPE 3 PATTERN.

(1) LOCATION OF LENGTH OF NEED POINT FOR CABLE BARRIER END TERMINAL VARIES. (SEE MANUFACTURER'S INFORMATION)

(2) PAY LIMIT FOR CABLE BARRIER END TERMINAL. LENGTH OF CABLE BARRIER END TERMINAL VARIES. (SEE MANUFACTURER'S INFORMATION)

(3) CABLE BARRIER END TERMINAL

(4) CABLE BARRIER AND LINE POSTS

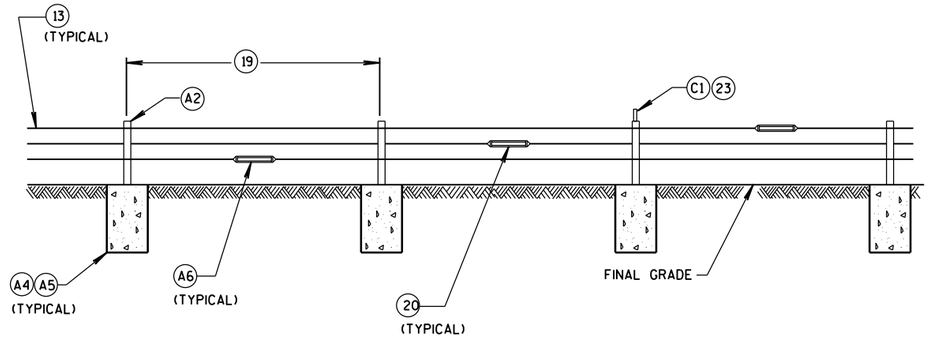
CABLE BARRIER TYPE 1 LAYOUT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

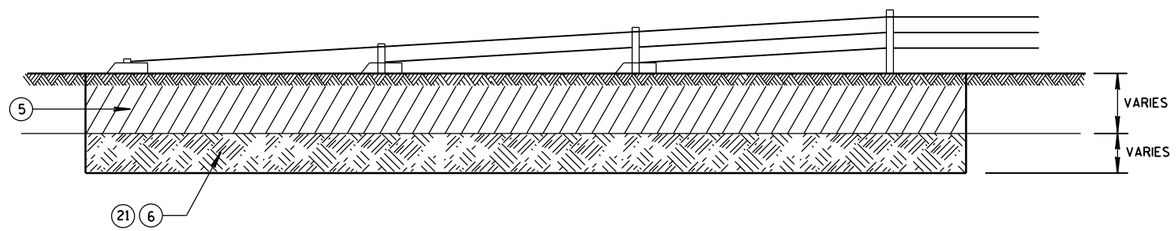
S.D.D. 14 B 52-1a

SDD 14b52-b Cable Barrier Type 1 - Rock Excavation, Cross Section, Line Post Details



PROFILE VIEW

LINE POST INSTALLATION



CABLE BARRIER END TERMINAL ROCK EXCAVATION DETAIL

(5) SOIL TO BE EXCAVATED FOR CABLE BARRIER END TERMINAL (VARIES).

(6) ROCK TO BE EXCAVATED FOR CABLE BARRIER END TERMINAL (VARIES).

(7) SOIL TO BE EXCAVATED FOR LINE POST (VARIES).

(8) ROCK TO BE EXCAVATED FOR LINE POST (VARIES).

(9) EXCAVATE AND GRADE LINE FOR LINE POST FOOTINGS. INSTALL LINE POST FOOTING TO MINIMIZE 4 INCH TALL OBJECT ON 5 FOOT CHORD.

(10) 2 INCHES OF CLEAR COVER FROM EDGE OF CONCRETE TO REINFORCEMENT.

(11) DIAMETER OF LINE POST FOOTING VARIES. SEE MANUFACTURER'S INFORMATION.

(12) MINIMUM DEPTH OF LINE POST FOOTING IS 48 INCHES IN SOIL. DEEPER FOOTINGS PER MANUFACTURER'S RECOMMENDATION ARE ACCEPTABLE.

(13) NUMBER AND LOCATION OF CABLES VARY. SEE MANUFACTURER'S INFORMATION.

(14) LINE POST DIMENSIONS AND CONNECTION HARDWARE VARY. SEE MANUFACTURER'S INFORMATION.

(15) LANE OF ROADWAY (VARIES). SEE PLAN FOR MORE INFORMATION.

(16) PAVED SHOULDER (VARIES). SEE PLAN FOR MORE INFORMATION.

(17) GRAVEL SHOULDER (VARIES). SEE PLAN FOR MORE INFORMATION.

(18) CABLE BARRIER OFFSET FROM CENTERLINE OF MEDIAN DITCH (8 FOOT MINIMUM). SEE PLAN FOR MORE INFORMATION.

(19) MAXIMUM POST SPACING IS 15 FEET.

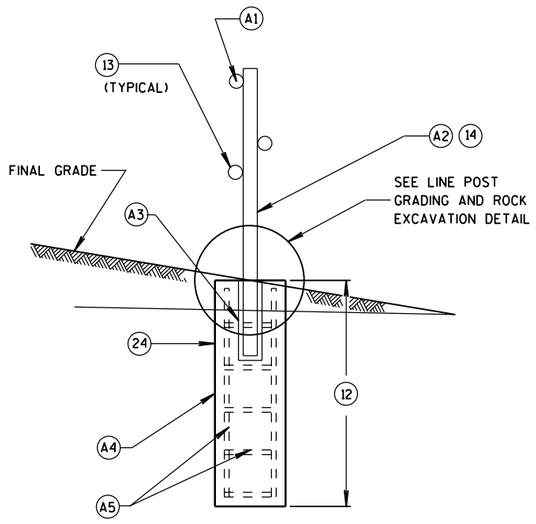
(20) STAGGER TURNBUCKLES (TYPICAL).

(21) SEE MANUFACTURER'S DESIGN WHEN ROCK IS ENCOUNTERED.

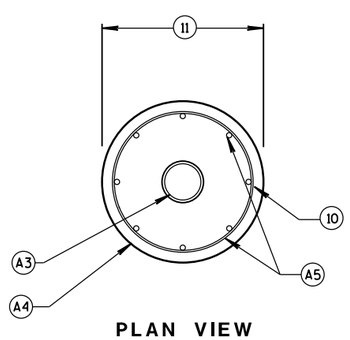
(22) IN SOIL MINIMUM DEPTH OF CABLE BARRIER END TERMINAL FOOTING IS 60 INCHES. DEEPER FOOTINGS PER MANUFACTURER'S RECOMMENATION ARE ACCEPTABLE.

(23) LINE POST DELINEATOR SPACING IS 100 FEET.

(24) LINE POST FOOTINGS ARE REQUIRED TO HAVE LESS THAN 1 INCH OF MOVEMENT WHEN LINE POST IS IMPACTED BY A NCHRP 350 SMALL CAR UNDER TL-3 TEST CONDITIONS.

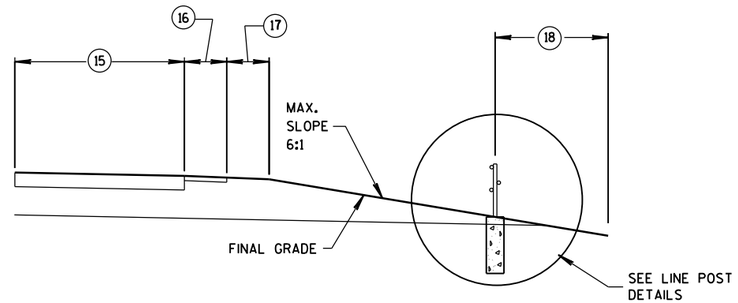


CROSS SECTION

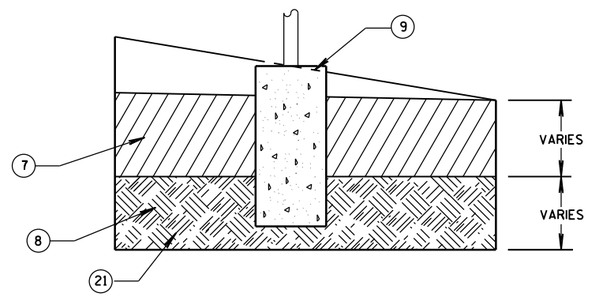


PLAN VIEW
(LINE POST AND CABLES NOT SHOWN)

LINE POST DETAILS



CABLE BARRIER OFFSET FROM DITCH LINE



LINE POST GRADING AND ROCK EXCAVATION DETAIL

CABLE BARRIER TYPE 1
LAYOUT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June. 2015
DATE
/S/ Jerry H. Zogg
ROADWAY STANDARDS DEVELOPMENT ENGINEER
FHWA

6

S.D.D. 14 B 52-1b

6

S.D.D. 14 B 52-1b

Version 1	**Standard Detail Drawing 14b52** (sheet ab)	*July 23, 2015*

Cable Barrier Type 1

References

FDM 11-45-2

Bid items associated with this drawing:

ITEM NUMBER	DESCRIPTION	UNIT
613.1100.S	Cable Barrier Type 1	LF
613.1200.S	Cable Barrier End Terminal Type 1	EACH

Standardized Special Provisions associated with this drawing:

STSP NUMBER	TITLE
613-010	Cable Barrier Type 1

Other SDDs associated with this drawing:

Design Notes:

This SDD is for proprietary cable barriers. Review approved product list for which systems are available in the county that the project is located.

If the county the project is located in is not listed in the approved product list contact Bureau of Project Services.

Contact Person:

Erik Emerson (608) 266-2842