LAX NOV 2016

PROJECT ID: 1016-02-60
WITH: 1016-00-62

COUNTY: JUNEAU/SAUK/COLUMBIA

ORDER OF SHEETS

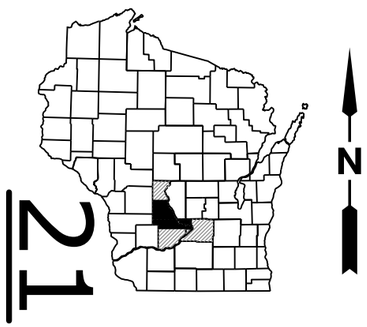
Section No.	1	Title
Section No.	2	Typical Sections and Details
Section No.	3	Estimate of Quantities
Section No.	3	Miscellaneous Quantities
~~Section No.~~	~~4~~	~~Right of Way Plat~~
Section No.	5	Plan and Profile
Section No.	6	Standard Detail Drawings
~~Section No.~~	~~7~~	~~Sign Plates~~
~~Section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

TOTAL SHEETS = 292

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
PLAN OF PROPOSED IMPROVEMENT
CAMP DOUGLAS - PORTAGE
CTH H TO STH 33; MEDIAN CABLE GUARD
IH 90
JUNEAU/SAUK/COLUMBIA COUNTIES

STATE PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
1016-02-60	WISC 2016409	1

STATE PROJECT NUMBER
1016-02-60



BEGIN PROJECT
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X=409878.49

END CONSTRUCTION
STATION 177+59
Y=201314.48
X=415161.47

BEGIN CONSTRUCTION
STATION 325+28
Y=166693.28
X=460793.63

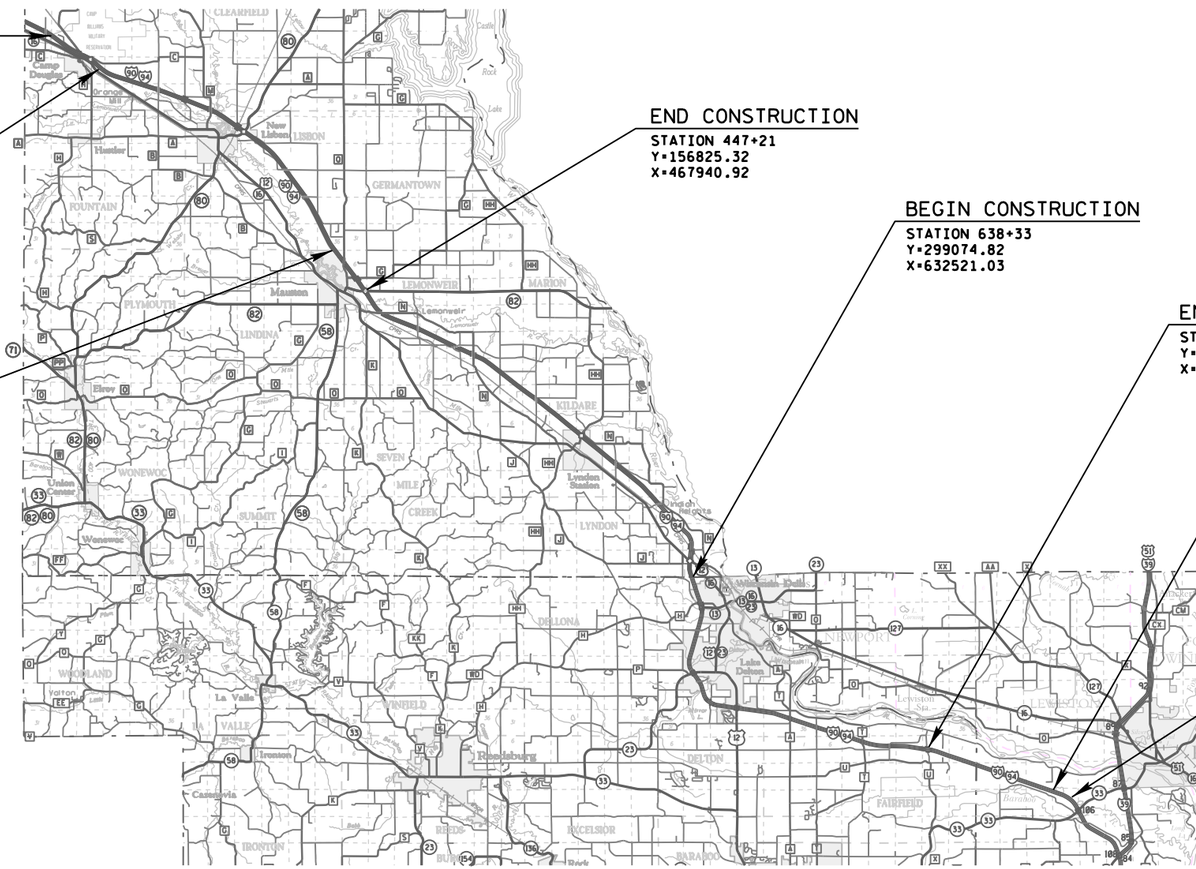
END CONSTRUCTION
STATION 447+21
Y=156825.32
X=467940.92

BEGIN CONSTRUCTION
STATION 638+33
Y=299074.82
X=632521.03

END CONSTRUCTION
STATION 1343+88
Y=265227.14
X=678791.24

BEGIN CONSTRUCTION
STATION 1461+20
Y=390182.34
X=510505.75

END PROJECT
STATION 1553+05
Y=386812.29
X=519017.87



LAYOUT
SCALE 0 4 MI.

TOTAL NET LENGTH OF CENTERLINE = 0.000 MI.

HORIZONTAL POSITIONS SHOWN ARE WISCONSIN COUNTY COORDINATES, JUNEAU/SAUK/COLUMBIA COUNTIES, NAD83 2007/2012/2011. U.S. SURVEY FEET. VALUES ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

DESIGN DESIGNATION

A.A.D.T.	2017	=	38100
A.A.D.T.	2037	=	45900
D.H.V.		=	20.4
D.D.		=	51/49
T.		=	34%
DESIGN SPEED		=	70 MPH
ESALS		=	N/A

CONVENTIONAL SYMBOLS

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

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

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

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PREPARED BY

Surveyor	
Designer	BRANDYN MECUM
Project Manager	BRIAN MEYER
Regional Examiner	MICHAEL RUD
Regional Supervisor	JIM SAVOLDELLI
C.O. Examiner	

APPROVED FOR THE DEPARTMENT
DATE: 7-29-2016 (Signature)

E

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GENERAL NOTES

- THERE ARE UTILITY FACILITIES WITHIN THE PROJECT AREA THAT ARE NOT SHOWN ON THE PLANS. THE CONTRACTOR SHALL COORDINATE HIS CONSTRUCTION ACTIVITIES WITH A CALL TO DIGGERS HOTLINE AND/OR A DIRECT CALL TO THE UTILITIES THAT HAVE FACILITIES IN THE AREA. NOT ALL UTILITIES ARE MEMBERS OF DIGGERS HOTLINE.
- THE ENGINEER SHALL ADJUST THE LOCATIONS OF ITEMS UNDER THIS CONTRACT TO AVOID CONFLICT WITH THE EXISTING UTILITY FACILITIES.
- ALL RADII ARE MEASURED TO EDGE OF PAVEMENT UNLESS OTHERWISE SHOWN OR NOTED ON THE PLAN.
- PRIOR TO THE PLACEMENT OF STEEL PLATE BEAM GUARD OR MGS GUARDRAIL, THE SHOULDERS SHALL BE IN PLACE, SHAPED AND COMPACTED UNLESS SHOWN OTHERWISE.
- HMA PAVEMENT WEIGHT CALCULATIONS ARE BASED ON 112 LB/SY/IN.
- 3.5 INCH ASPHALTIC SURFACE, SHALL BE CONSTRUCTED WITH ONE LAYER.
- CONTRACTOR WILL BE RESPONSIBLE FOR RESHAPING AND SEEDING ANY PREVIOUSLY GRASSED AREAS WHICH ARE DISTURBED BY HIS OPERATION OUTSIDE OF THE NORMAL CONSTRUCTION LIMITS.
- 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.
- DISTURBED AREAS WITHIN THE RIGHT OF WAY ARE TO BE TOPSOILED (SALVAGED), FERTILIZED, SEEDED, AND EROSION MATED AS DIRECTED BY THE ENGINEER.
- (SALVAGED) TOPSOIL AND MULCH HAS BEEN COMPUTED BY DIRECT MEASUREMENTS ON THE CROSS SECTIONS PLUS 5 FT BEYOND THE TOE OF SLOPE. SEEDING AND FERTILIZER HAS BEEN COMPUTED BY DIRECT MEASUREMENTS ON THE CROSS SECTIONS PLUS 5 FT.

ORDER OF SECTION 2 SHEETS

GENERAL NOTES
PROJECT OVERVIEW
TYPICAL SECTIONS
CONSTRUCTION DETAILS
EROSION CONTROL
SOIL BORINGS SUMMARY

STANDARD ABBREVIATIONS

AC	ACRE	LC.	LONG CHORD
AGG	AGGREGATE	LS	LUMP SUM
<	ANGLE	M.P.	MARKER POST
AE, AEW	APRON ENDWALL	MGAL	1000 GALLONS
ASPH.	ASPHALTIC	N.C.	NORMAL CROWN
A.D.T.	AVERAGE DAILY TRAFFIC	N	NORTH
A.A.D.T.	ANNUAL AVERAGE DAILY TRAFFIC	NB	NORTHBOUND
B.F.	BACK FACE	NOR	NORMAL
BM	BENCHMARK	NO.	NUMBER
BTWN	BETWEEN	PAV'T	PAVEMENT
CTR.	CENTER	P.L.E.	PERMANENT LIMITED EASEMENT
C/L	CENTER LINE	P.C.	POINT OF CURVATURE
Δ	CENTRAL ANGLE OR DELTA	P.I.	POINT OF INTERSECTION
C.E.	COMMERCIAL ENTRANCE	P.T.	POINT OF TANGENCY
CONST.	CONSTRUCTION	PCC	PORTLAND CEMENT CONCRETE
CMCP	CORRUGATED METAL CULVERT PIPE	P.E.	PRIVATE ENTRANCE
CMP	CORRUGATED METAL PIPE	PGL	PROFILE GRADE LINE
CO.	COUNTY	P.L.	PROPERTY LINE
CTH	COUNTY TRUNK HIGHWAY	R	RADIUS OR RANGE
CR.	CREEK	R/L	REFERENCE LINE
CABC	CRUSHED AGGREGATE BASE COURSE	R.C.C.P.	REINFORCED CONCRETE CULVERT PIPE
CY	CUBIC YARD	REQ'D	REQUIRED
CP	CONTROL POINT OR CULVERT PIPE	RT	RIGHT
C&G	CURB AND GUTTER	R.H.F.	RIGHT HAND FORWARD
D	DEGREE OF CURVE	R/W	RIGHT OF WAY
D.H.V.	DESIGN HOURLY VOLUME	RD.	ROAD
DIA.	DIAMETER	SHLD.	SHOULDER(S)
D.D.	DIRECTIONAL DISTRIBUTION	SHR.	SHRINKAGE
DISCH.	DISCHARGE	S	SOUTH
DMS	DYNAMIC MESSAGE SIGN	SB	SOUTHBOUND
EA	EACH	S.F.	SQUARE FOOT (FEET)
E	EAST	SDD	STANDARD DETAIL DRAWING(S)
EB	EASTBOUND	STH	STATE TRUNK HIGHWAY
ELEC.	ELECTRIC(AL), ELEC. CABLE	STA.	STATION
EL., ELEV.	ELEVATION	S.E.	SUPERELEVATION
ESALS	EQUIVALENT SINGLE AXLE LOADS	S/L	SURVEY LINE
EXC.	EXCAVATION	SYM	SYMMETRICAL
EXIST	EXISTING	T.	PERCENT TRUCKS
F.F.	FACE TO FACE	TEL.	TELEPHONE
FERT.	FERTILIZER	TEMP.	TEMPORARY
F.E.	FIELD ENTRANCE	T.L.E.	TEMPORARY LIMITED EASEMENT
F/L, F.L.	FLOW LINE	T.O.C.	TOP OF CURB
GALV.	GALVANIZE	TYP	TYPICAL
H.S.	HIGH STRENGTH	UNCL.	UNCLASSIFIED
CWT	HUNDRED WEIGHT	U.G.	UNDERGROUND (CABLE)
INL	INLET	VAR	VARIABLE
INTER.	INTERSECTION	V.C.	VERTICAL CURVE
IH	INTERSTATE HIGHWAY	V.P.C.	VERTICAL POINT OF CURVATURE
JT.	JOINT	V.P.I.	VERTICAL POINT OF INTERSECTION
LT	LEFT	V.P.T.	VERTICAL POINT OF TANGENCY
L.H.F.	LEFT HAND FORWARD	Wt.	WEIGHT
L.	LENGTH OF CURVE	W	WEST
L.F.	LINEAR FOOT(FEET)	WB	WESTBOUND

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UTILITY CONTACTS

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DNR LIAISON

MARC HERSHFIELD
ENVIRONMENTAL ANALYSIS & REVIEW SPECIALIST
WISCONSIN DEPT. OF NATURAL RESOURCES
WEST CENTRAL REGION
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WISCONSIN RAPIDS, WI 54494
715-421-7867

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

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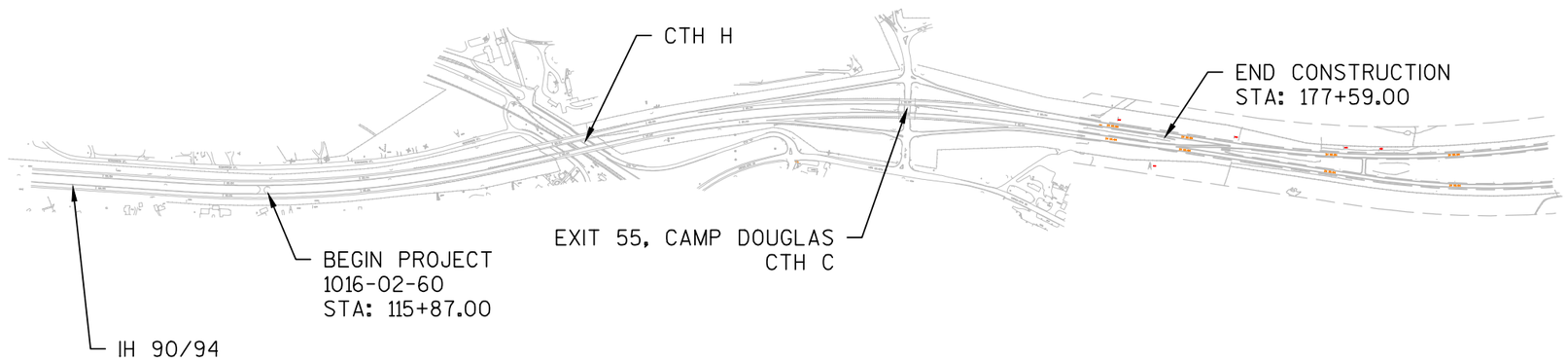

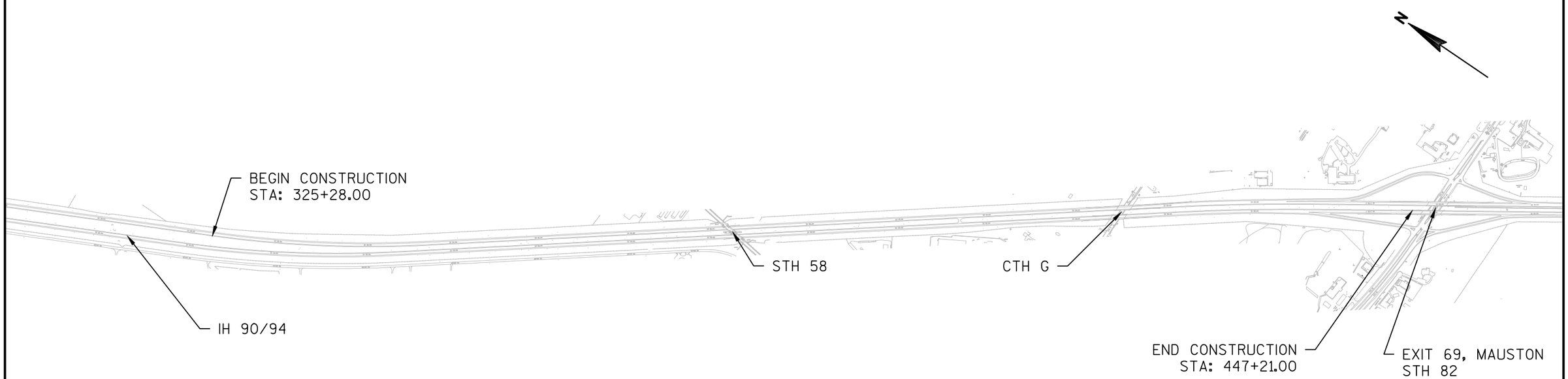

PROJECT NO:1016-02-60	HWY:IH 90/94	COUNTY:JUNEAU	PROJECT OVERVIEW	SHEET 4	E

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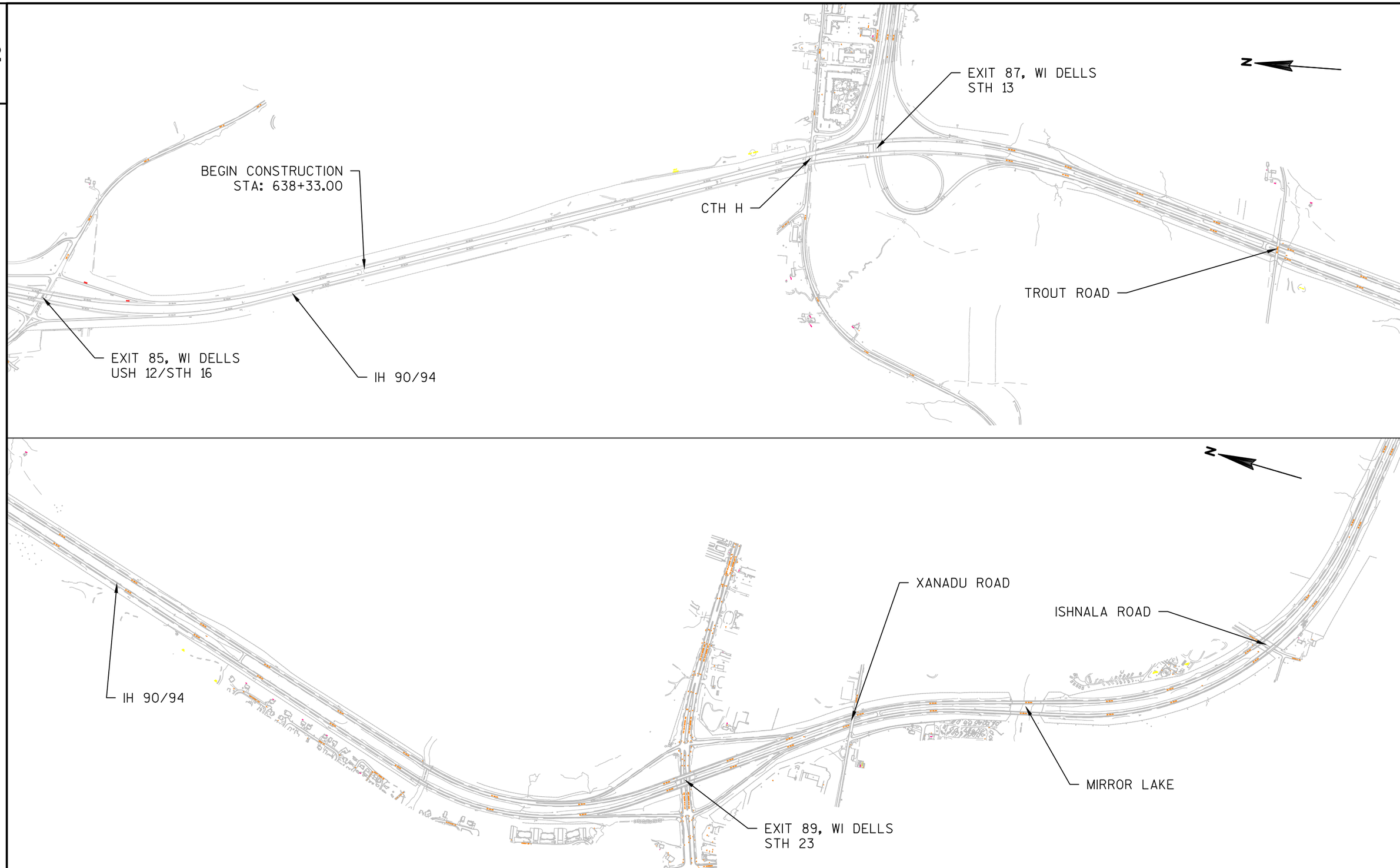

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PROJECT NO:1016-02-60	HWY:IH 90/94	COUNTY:SAUK	PROJECT OVERVIEW	SHEET 5	E

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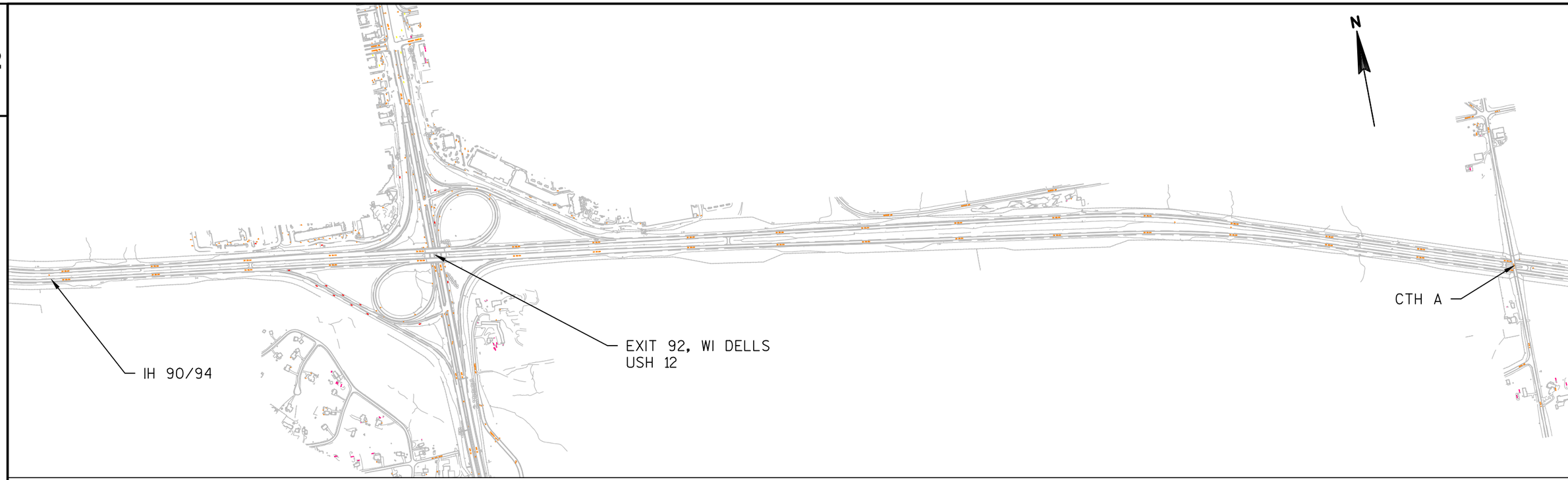

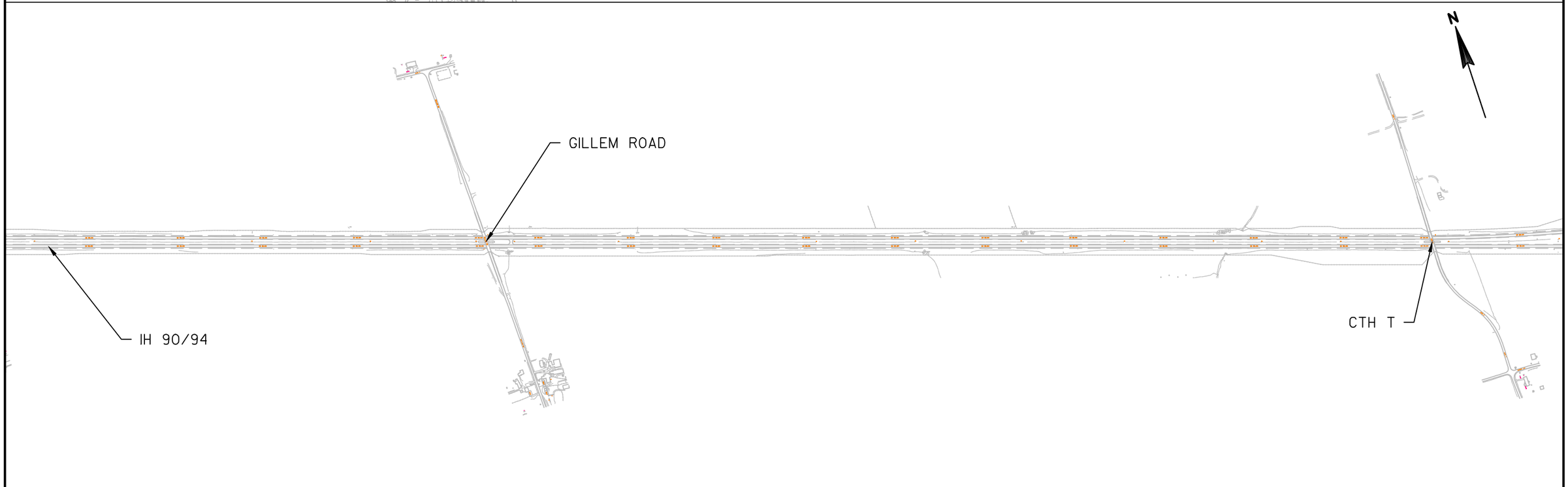

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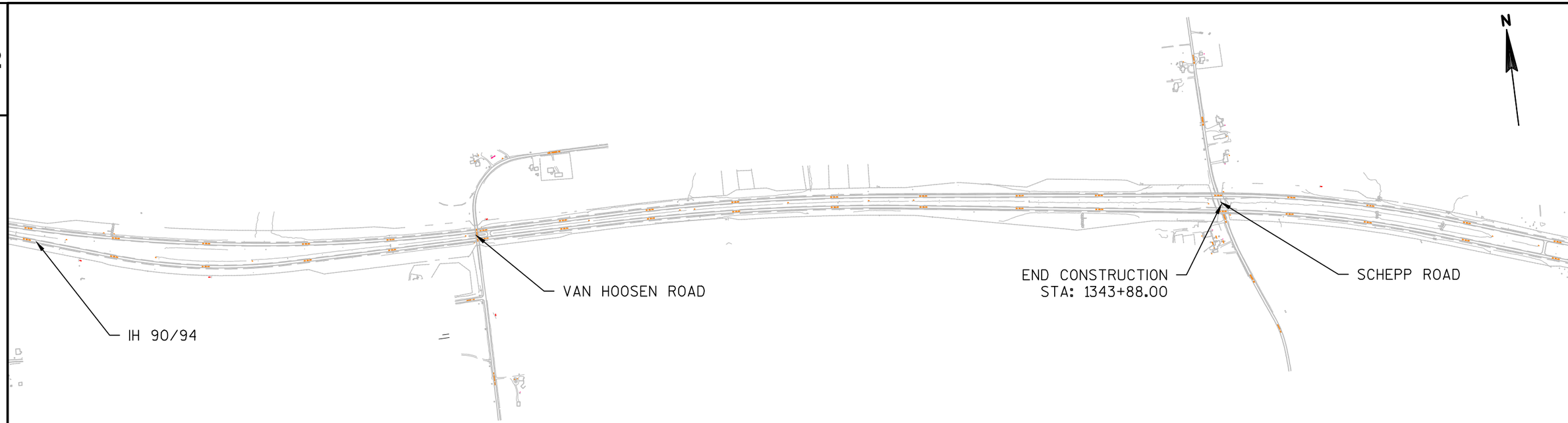

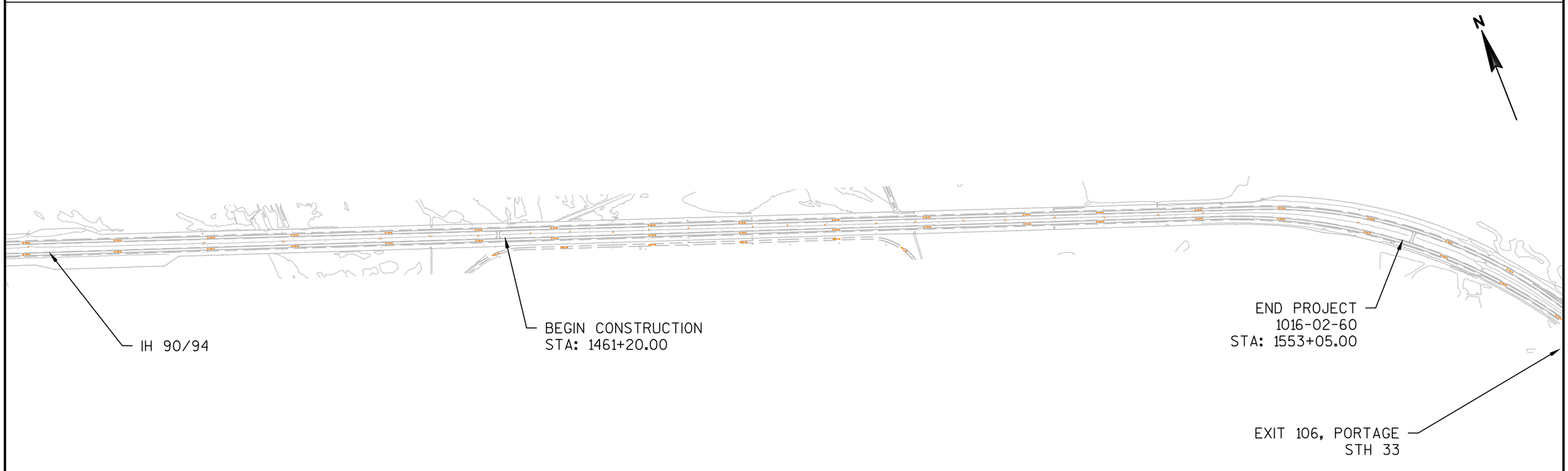

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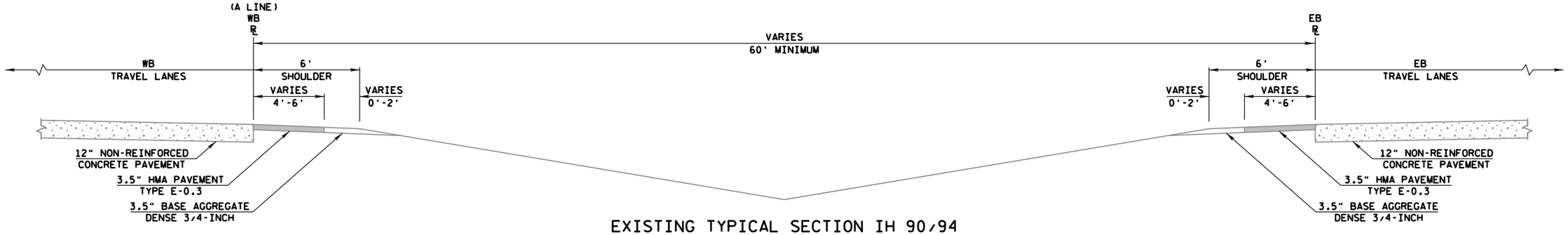
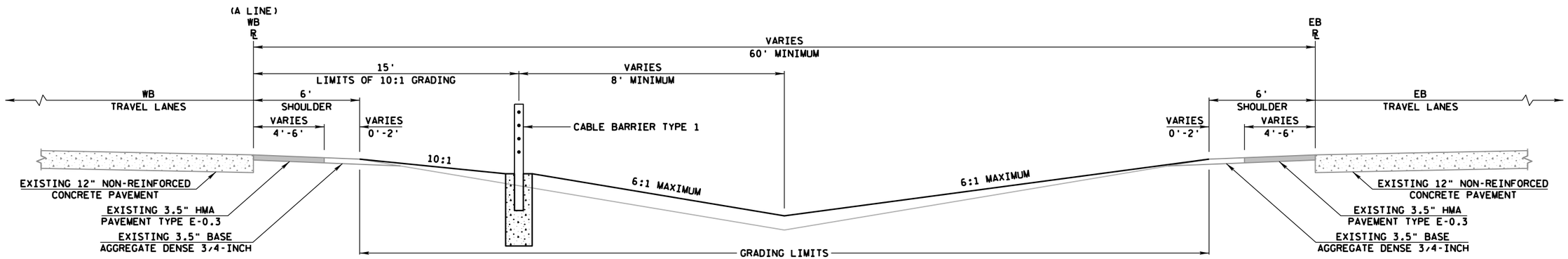
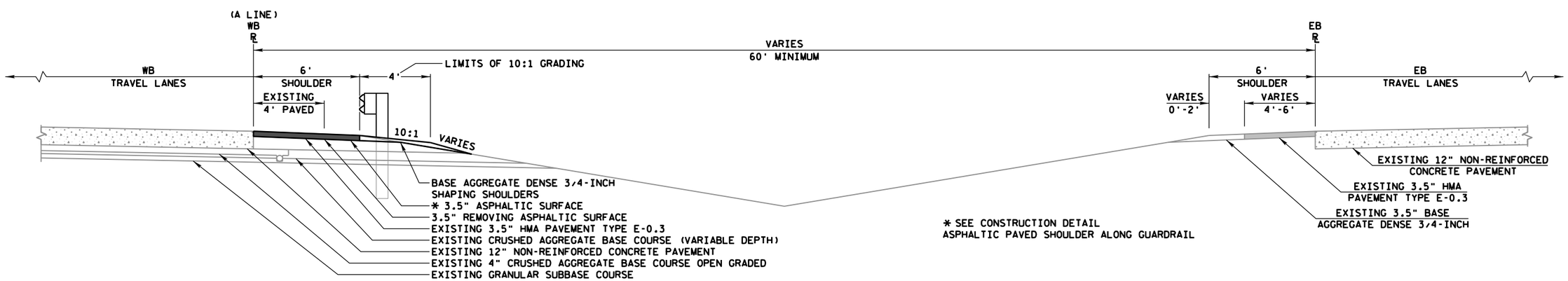


EXISTING TYPICAL SECTION IH 90/94



FINISHED TYPICAL SECTION IH 90/94 (WB SYMETRICAL TO EB)

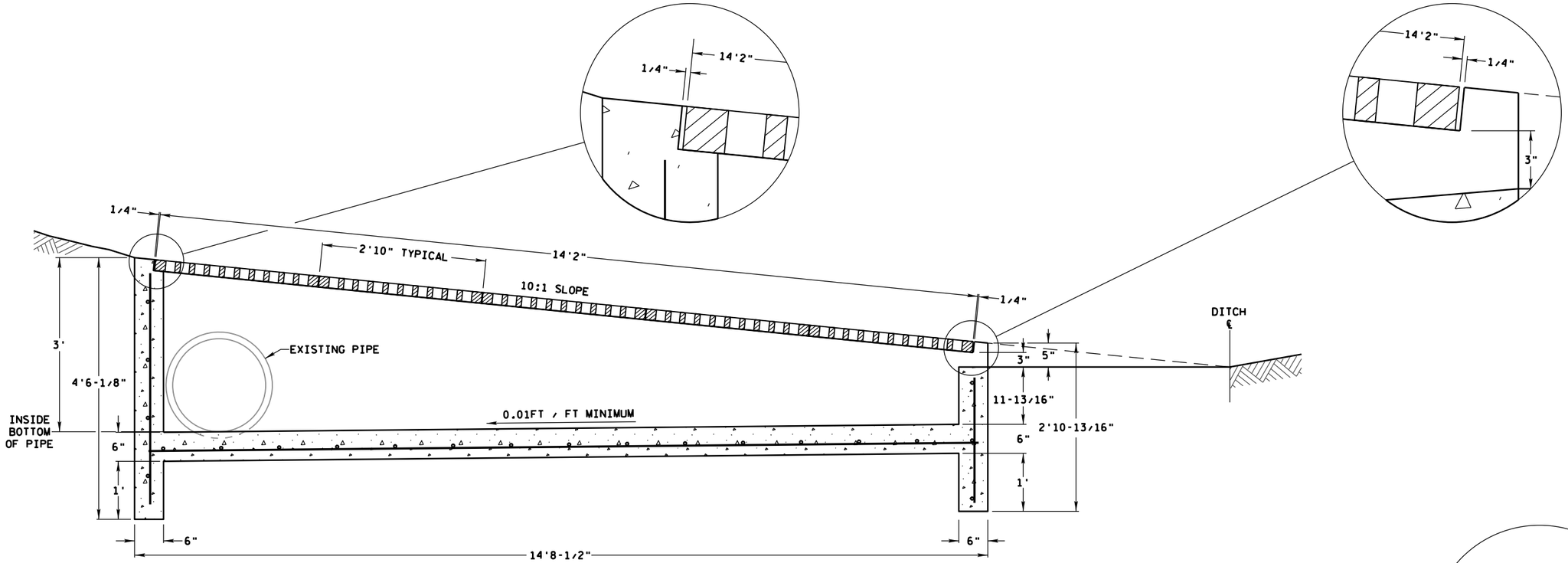
STATIONS	STATIONS	STATIONS	STATIONS	STATIONS	STATIONS
115+94 - 133+14	401+76 - 415+60	714+57A - 742+10A	856+32A - 869+30A	984+52A - 1007+41A	1121+50A - 1213+14A
144+30A - 155+47A	419+48 - 446+92	745+60A - 778+18A	903+97 - 937+54	1026+19 - 1048+72	1255+55A - 1267+06A
163+78A - 177+57A	638+40 - 678+71	818+15A - 831+07A	938+40 - 953+43	1049+50 - 1063+78	1271+79 - 1343+81
325+80A - 400+73A	679+34A - 688+07A	835+61 - 856+19	958+69 - 985+48	1065+15A - 1120+63A	1461+24A - 1553+36A



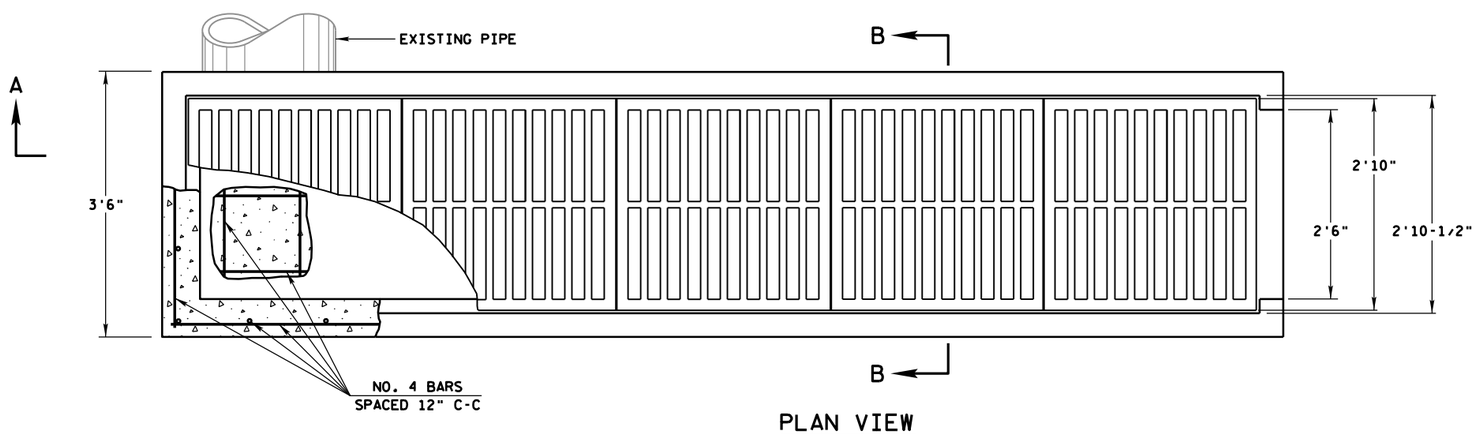
FINISHED TYPICAL SECTION IH 90/94

STATIONS	STATIONS	STATIONS	STATIONS
692+35A - 695+95A	701+32A - 715+61A	878+22A - 890+04A	895+56A - 899+85A

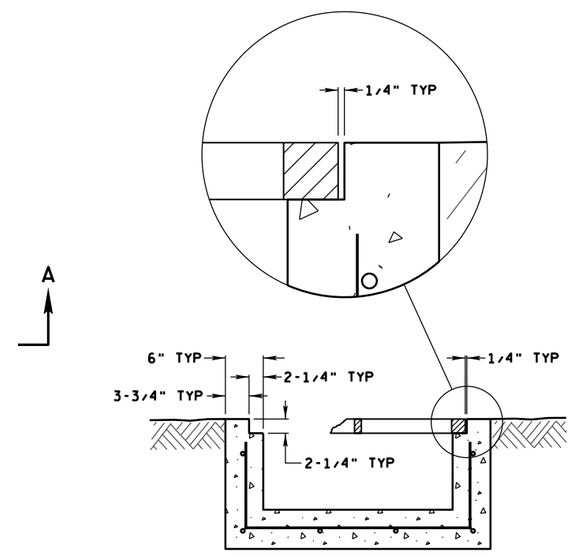
PROJECT NO: 1016-02-60	HWY: IH 90/94	COUNTY: JUNEAU/SAUK/COLUMBIA	TYPICAL SECTIONS	SHEET	E



SECTION A-A



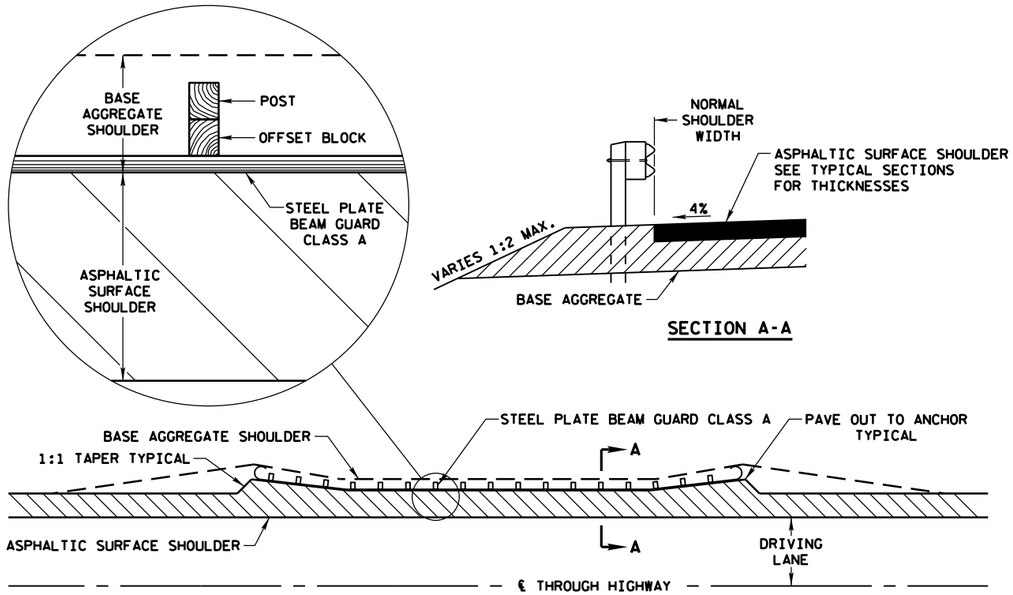
PLAN VIEW



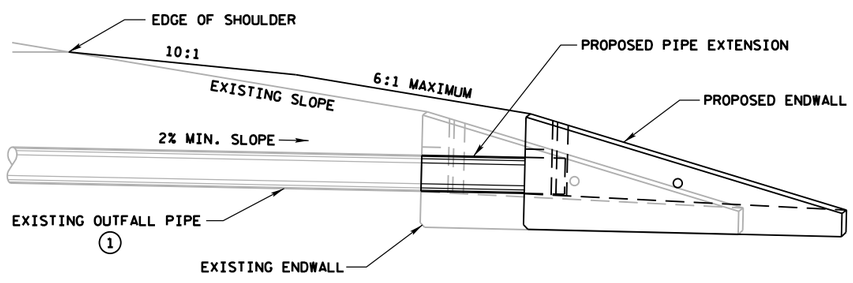
SECTION B-B

INLETS MEDIAN 5 GRATE

PROJECT NO: 1016-02-60	HWY: IH 90	COUNTY: JUNEAU	CONSTRUCTION DETAILS	SHEET	E

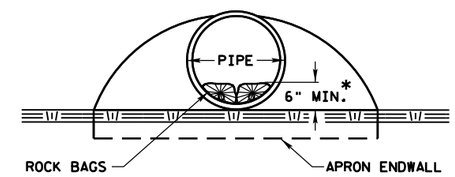


ASPHALTIC PAVED SHOULDER ALONG BEAM GUARD



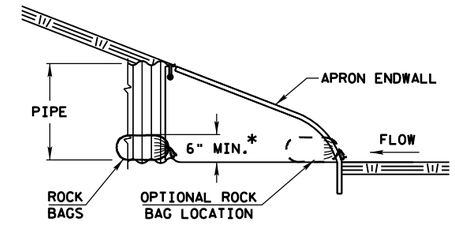
SEE THE STANDARD DETAIL DRAWING FOR MORE INFORMATION.
THE ENDWALL WILL BE SALVAGED OR REPLACED AS DIRECTED BY THE ENGINEER IN THE FIELD.

PIPE UNDERDRAIN EXTENSION



END VIEW

* OR AS DIRECTED BY THE ENGINEER



SIDE VIEW

ESTIMATED BAG SIZE 18"x 12"x 6"	
PIPE SIZE INCHES	ESTIMATED BAGS
12	1
15	2
18	2
21	3
14x23	3
24	3
27	4
30	5
19x30	5
36	7
24x38	8
42	8
29x45	10
48	10
34x53	10
54	10
38x60	13
60	13
66	15
53x83	19

CULVERT PIPE CHECKS

2

LEGEND
TEMPORARY DITCH CHECK
CULVERT PIPE CHECK
SURFACE WATER FLOW
CABLE BARRIER TYPE 1

WISCONSIN ST.

115A 120A 125A 130A
115 120 125 130

SLOPE INTERCEPT

I 90/94

SALVAGED TOPSOIL, SEEDING # 30,
FERT TYPE B AND EROSION MAT CLASS 1, TYPE B
UNLESS OTHERWISE NOTED ALL DISTURBED AREAS

SIGN

PT: 131+70.36A
PC: 139+95.14A
PT: 131+95.75
PC: 140+09.18

135A 140A 145A
135 140 145

MM55

CTH "H"

MH

SLOPE INTERCEPT

2

PROJECT NO:1016-02-60	HWY:IH 90/94	COUNTY:JUNEAU	EROSION CONTROL	SHEET 11	E

FILE NAME : N:\PDS\C3D\10160230\SHEETSPLAN\022001_EC.DWG
LAYOUT NAME - JN - (1)
PLOT DATE : 6/30/2016 3:43 PM PLOT BY : MECUM, BRANDYN W PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

LEGEND
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- SURFACE WATER FLOW
- CABLE BARRIER TYPE 1

SALVAGED TOPSOIL, SEEDING # 30,
FERT TYPE B AND EROSION MAT CLASS 1, TYPE B
UNLESS OTHERWISE NOTED ALL DISTURBED AREAS

150A 150 155A 155 160A 160

SLOPE INTERCEPT

I 90/94

CTH "H"

EXIT 55, CAMP DOUGLAS

PT: 168+46.38A

SALVAGED TOPSOIL, SEEDING # 30,
FERT TYPE B AND EROSION MAT CLASS 1, TYPE B
UNLESS OTHERWISE NOTED ALL DISTURBED AREAS

165A 165 170A 170 175A 175

U/C IH 90/94

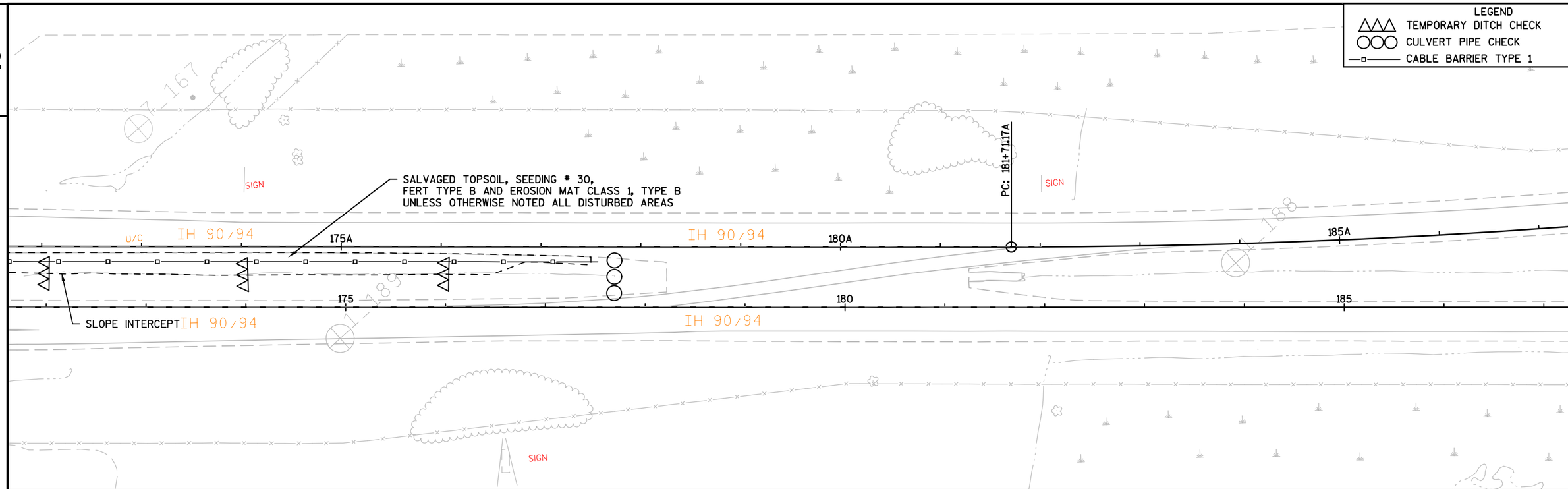
SIGN

SLOPE INTERCEPT

PT: 168+38.22

PROJECT NO:1016-02-60	HWY:IH 90/94	COUNTY:JUNEAU	EROSION CONTROL	SHEET 12	E

FILE NAME : N:\PDS\C3D\10160230\SHEETSPLAN\022001_EC.DWG
LAYOUT NAME - JN - (3)
PLOT DATE : 6/30/2016 3:43 PM PLOT BY : MECUM, BRANDYN W PLOT NAME : PLOT SCALE : 1 IN:100 FT



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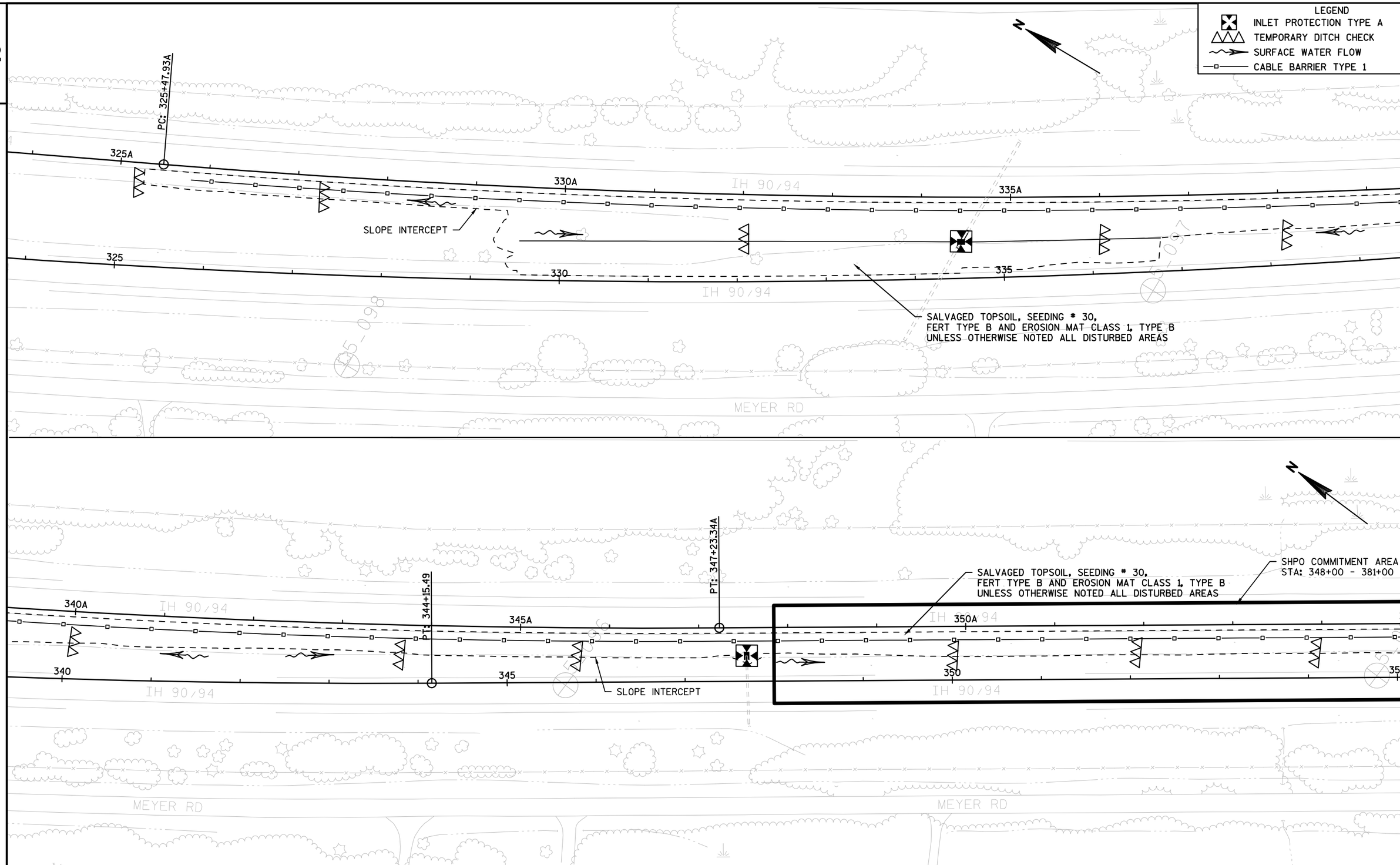
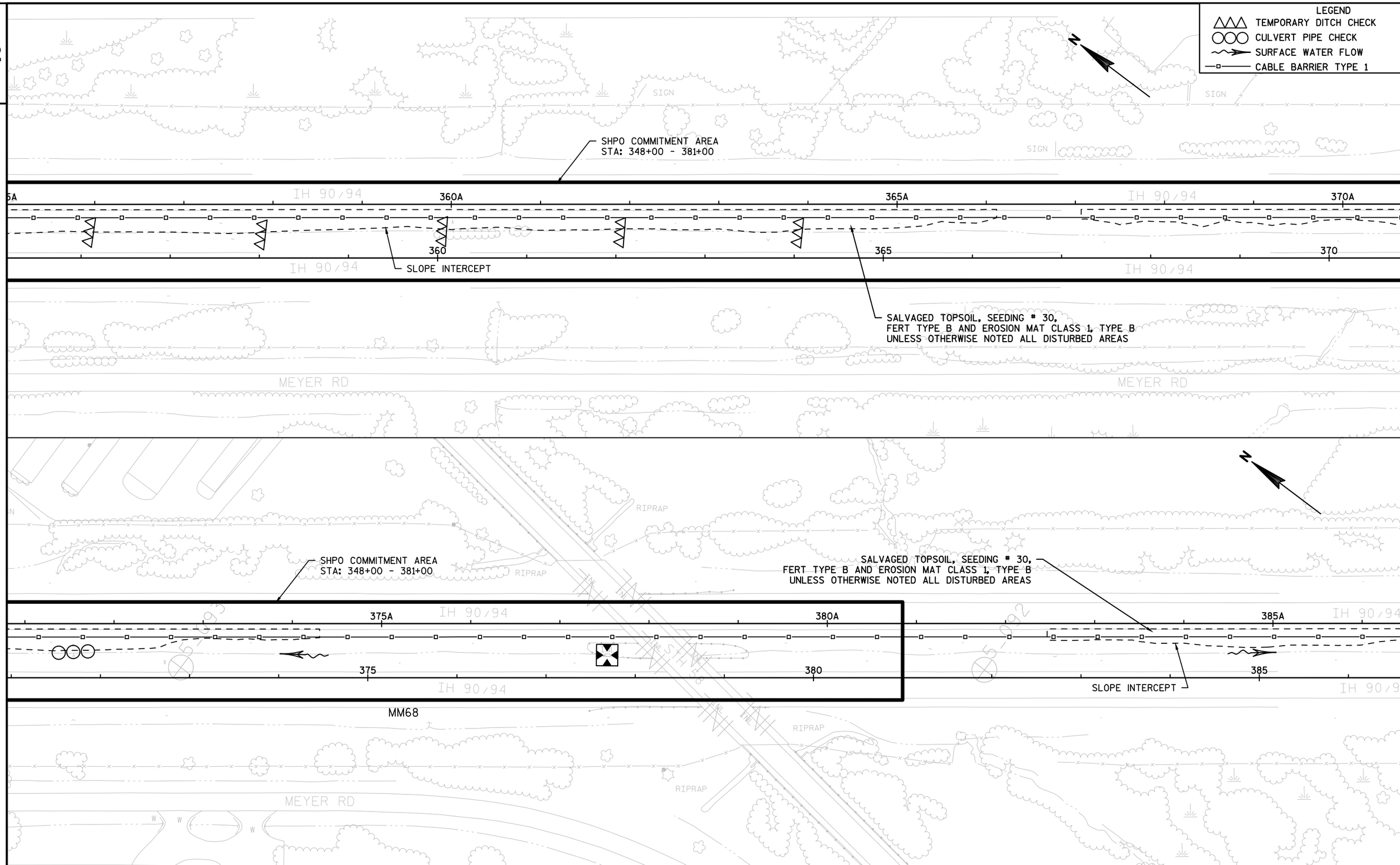
PROJECT NO:1016-02-60	HWY:IH 90/94	COUNTY:JUNEAU	EROSION CONTROL	SHEET 13	E



PROJECT NO:1016-02-60	HWY:IH 90/94	COUNTY:JUNEAU	EROSION CONTROL	SHEET 14	E

FILE NAME : N:\PDS\C3D\10160230\SHEETSPLAN\022001_EC.DWG
LAYOUT NAME - JS - (1)
PLOT DATE : 6/30/2016 3:44 PM PLOT BY : MECUM, BRANDYN W PLOT NAME : PLOT SCALE : 1 IN:100 FT



PROJECT NO:1016-02-60	HWY:IH 90/94	COUNTY:JUNEAU	EROSION CONTROL	SHEET 15	E

FILE NAME : N:\PDS\C3D\10160230\SHEETSPLAN\022001_EC.DWG
LAYOUT NAME - JS - (3)
PLOT DATE : 6/30/2016 3:44 PM PLOT BY : MECUM, BRANDYN W PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

LEGEND
TEMPORARY DITCH CHECK
CULVERT PIPE CHECK
SURFACE WATER FLOW
CABLE BARRIER TYPE 1

390A 395A 400A
390 395 400
IH 90/94
SLOPE INTERCEPT
SALVAGED TOPSOIL, SEEDING # 30,
FERT TYPE B AND EROSION MAT CLASS 1, TYPE B
UNLESS OTHERWISE NOTED ALL DISTURBED AREAS

SIGN
SLOPE INTERCEPT
405A 410A 415A
405 410 415
IH 90/94
SALVAGED TOPSOIL, SEEDING # 30,
FERT TYPE B AND EROSION MAT CLASS 1, TYPE B
UNLESS OTHERWISE NOTED ALL DISTURBED AREAS
CTH G
INL
MH
RIPRAP

2

PROJECT NO:1016-02-60	HWY:IH 90/94	COUNTY:JUNEAU	EROSION CONTROL	SHEET 16	E

LEGEND
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- SURFACE WATER FLOW
- CABLE BARRIER TYPE 1

PC: 422+78.82A

PC: 423+39.56

SLOPE INTERCEPT

420A 425A 430A

420 425 430

IH 90/94

SALVAGED TOPSOIL, SEEDING # 30,
FERT TYPE B AND EROSION MAT CLASS 1, TYPE B
UNLESS OTHERWISE NOTED ALL DISTURBED AREAS

PT: 437+34.15A

SLOPE INTERCEPT

435A 440A 445A

435 440 445

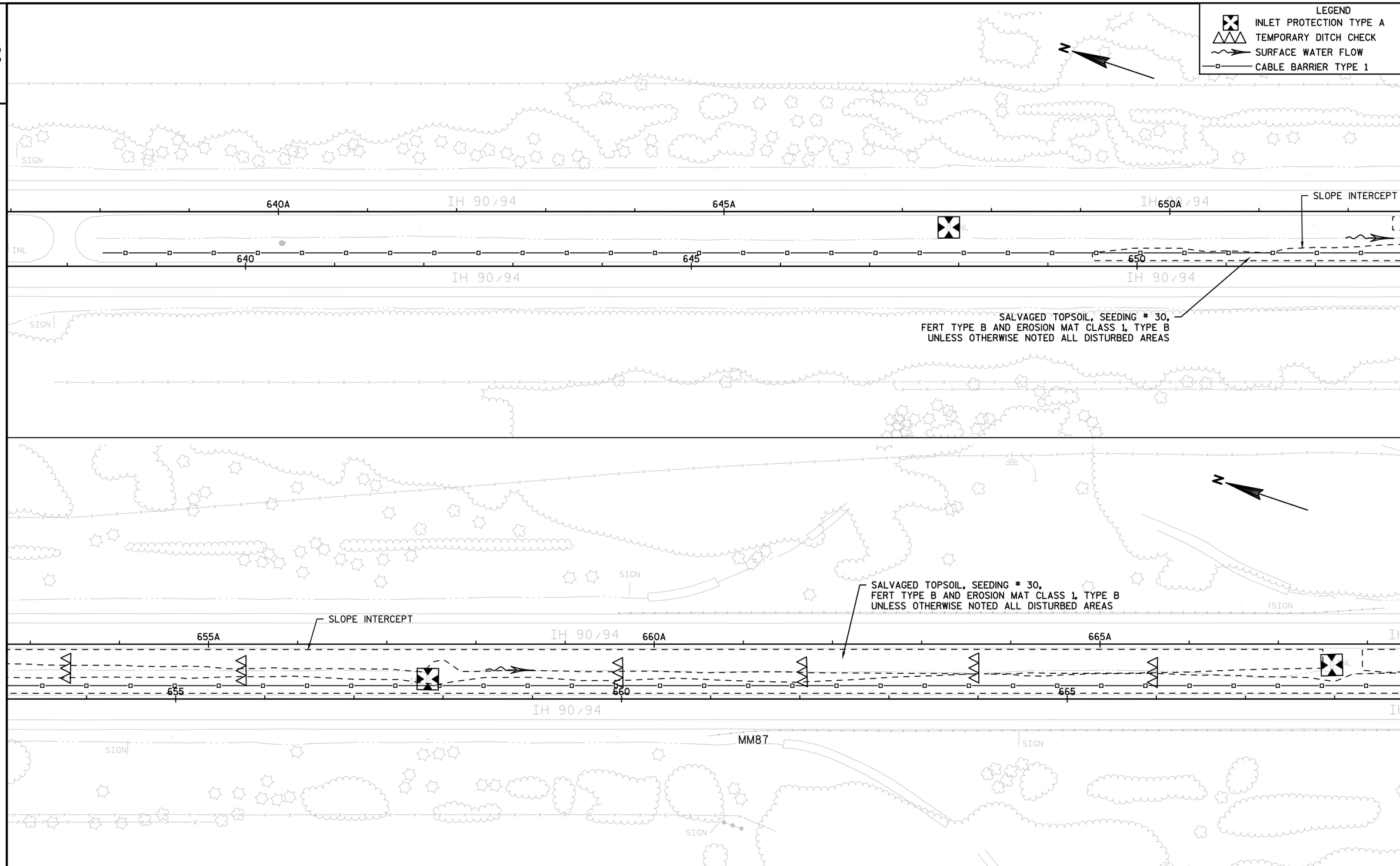
I 90/I 94

SALVAGED TOPSOIL, SEEDING # 30,
FERT TYPE B AND EROSION MAT CLASS 1, TYPE B
UNLESS OTHERWISE NOTED ALL DISTURBED AREAS

PT: 437+40.44

EXIT 69, MAUSTON

PROJECT NO:1016-02-60	HWY:IH 90/94	COUNTY:JUNEAU	EROSION CONTROL	SHEET 17	E



PROJECT NO:1016-02-60	HWY:IH 90/94	COUNTY:SAUK	EROSION CONTROL	SHEET 18	E

2

LEGEND
- INLET PROTECTION TYPE A
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- SURFACE WATER FLOW
- CABLE BARRIER TYPE 1
- STEEL PLATE BEAM GUARD CLASS A
- RIPRAP LIGHT

GOLF COURSE

SLOPE INTERCEPT

90/94 670A 675A IH 90/94 680A

670 675 680

90/94 IH 90/94

SIGN

SALVAGED TOPSOIL, SEEDING # 30,
FERT TYPE B AND EROSION MAT CLASS 1, TYPE B
UNLESS OTHERWISE NOTED ALL DISTURBED AREAS

SALVAGED TOPSOIL, SEEDING # 30,
FERT TYPE B AND EROSION MAT CLASS 1, TYPE B
UNLESS OTHERWISE NOTED ALL DISTURBED AREAS

PC: 687+26.53

PC: 690+58.68A

685A IH 90/94 690A 695A 90/94

685 690 695 700

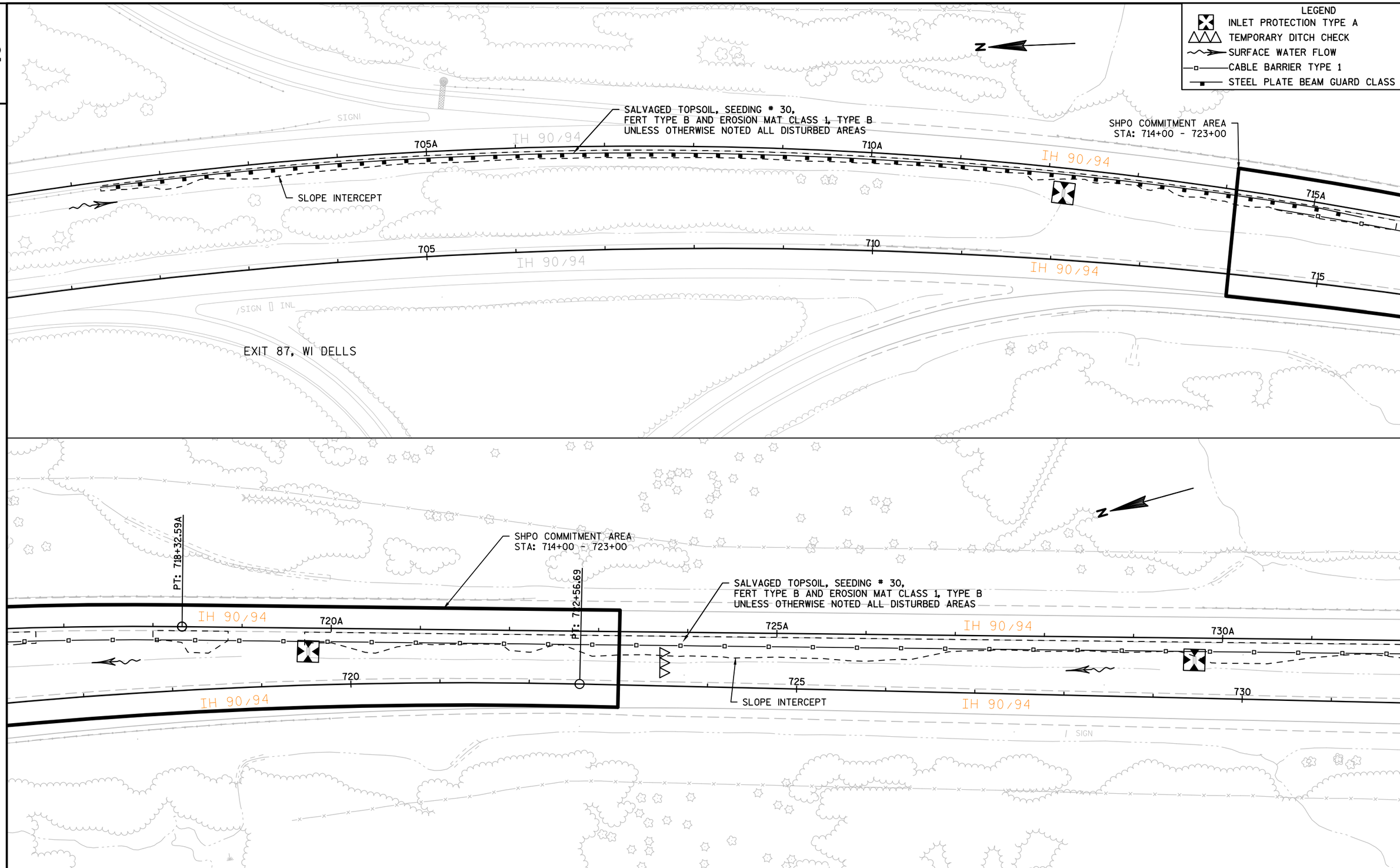
IH 90/94 IH 90/94

SLOPE INTERCEPT

CTH H

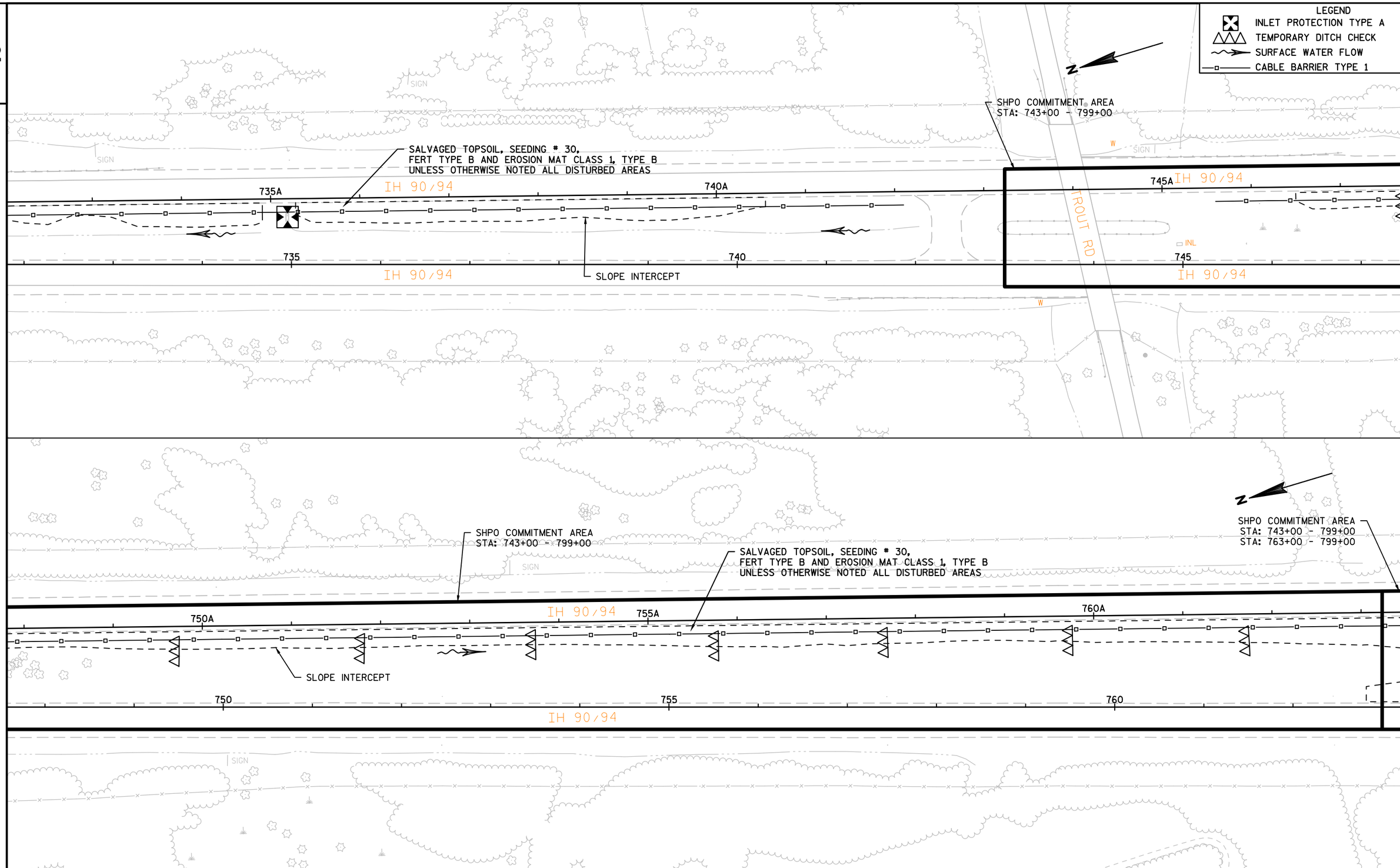
PROJECT NO:1016-02-60	HWY:IH 90/94	COUNTY:SAUK	EROSION CONTROL	SHEET 19	E

FILE NAME : N:\PDS\C3D\10160230\SHEETSPLAN\022002_EC.DWG
LAYOUT NAME - SAUK - (3)
PLOT DATE : 7/7/2016 8:14 AM PLOT BY : MECUM, BRANDYN W PLOT NAME : PLOT SCALE : 1 IN:100 FT



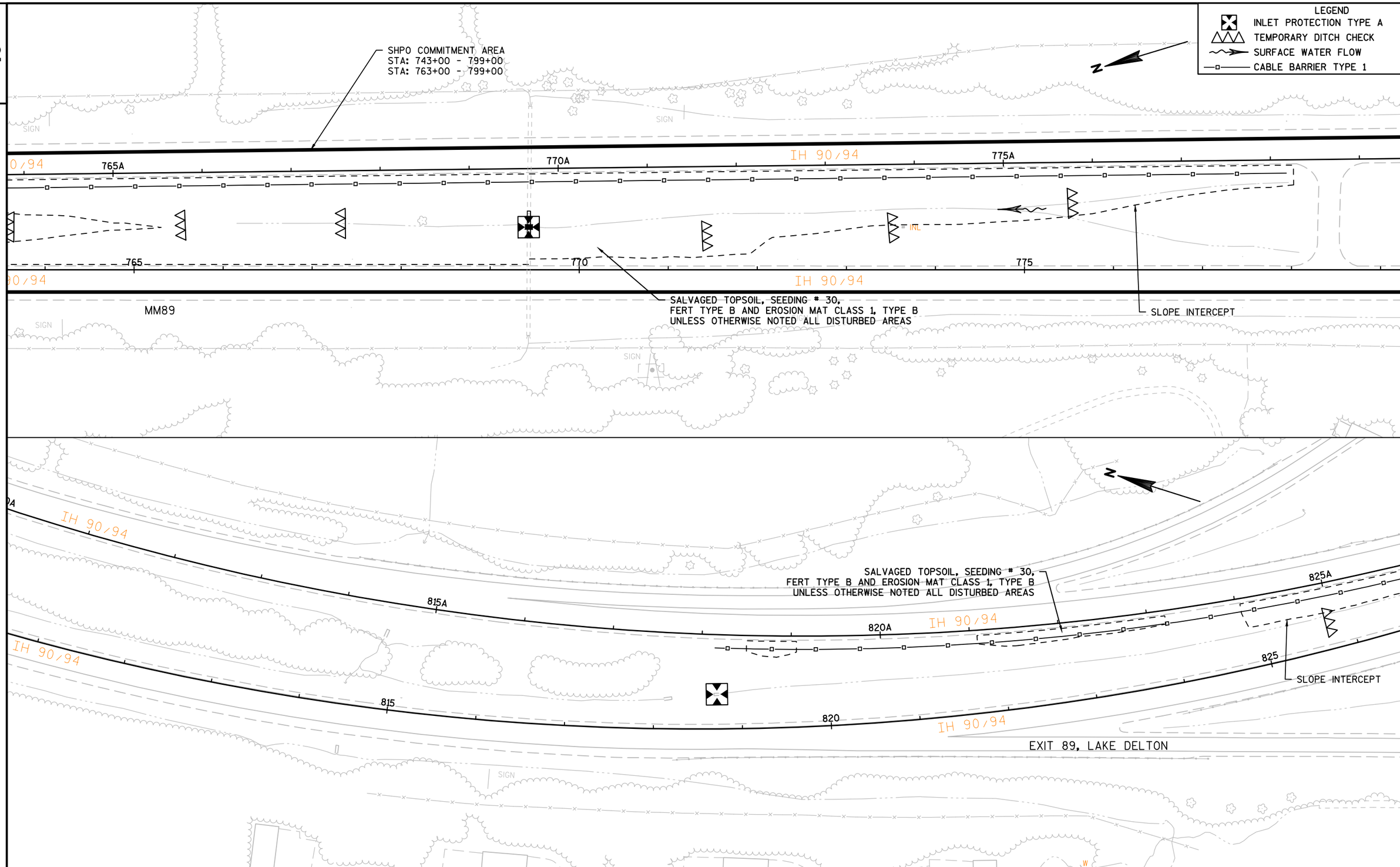
PROJECT NO:1016-02-60	HWY:IH 90/94	COUNTY:SAUK	EROSION CONTROL	SHEET 20	E

FILE NAME : N:\PDS\C3D\10160230\SHEETSPLAN\022002_EC.DWG
LAYOUT NAME - SAUK - (5)
PLOT DATE : 7/7/2016 8:14 AM PLOT BY : MECUM, BRANDYN W PLOT NAME : PLOT SCALE : 1 IN:100 FT



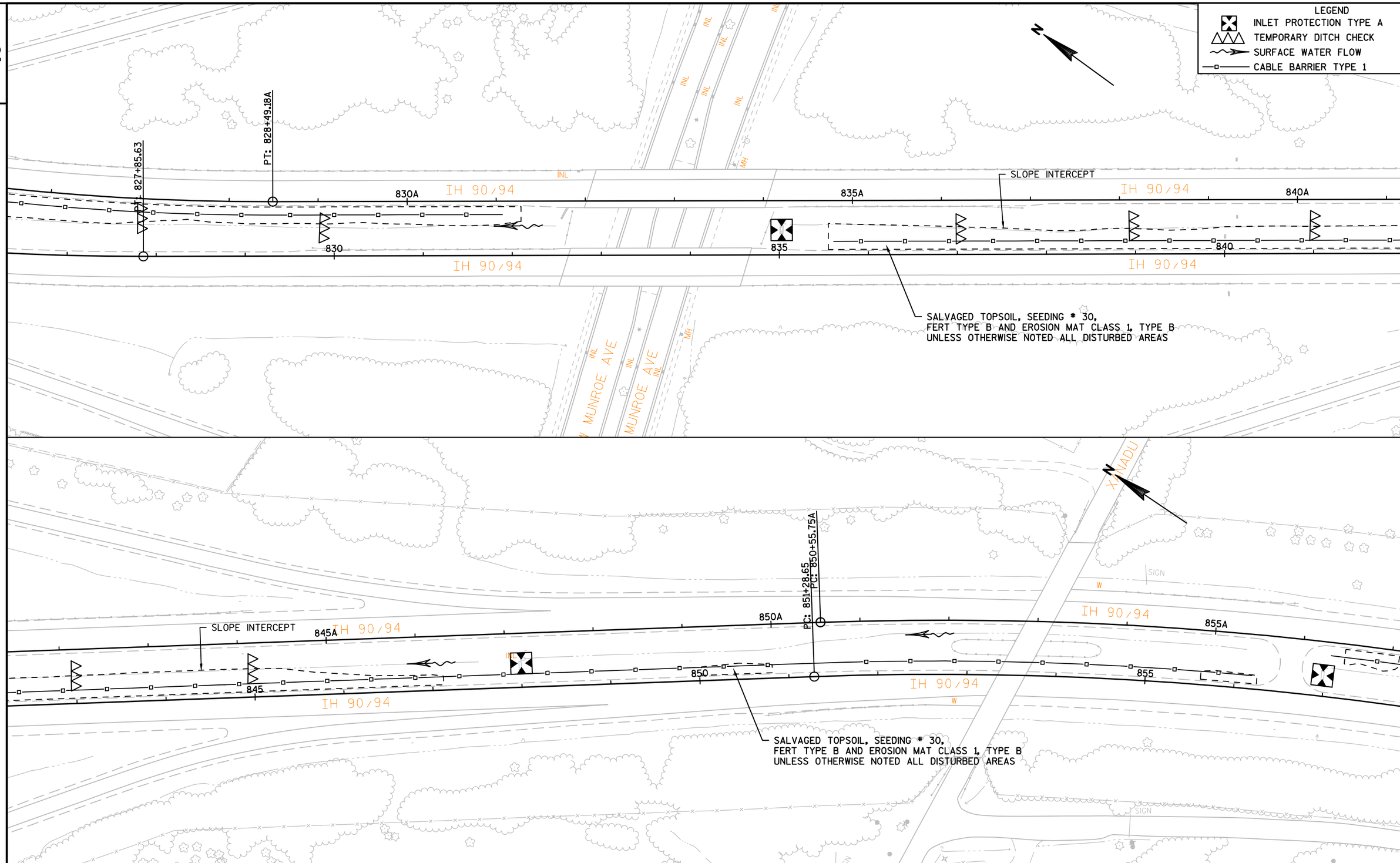
PROJECT NO:1016-02-60	HWY:IH 90/94	COUNTY:SAUK	EROSION CONTROL	SHEET 21	E

FILE NAME : N:\PDS\C3D\10160230\SHEETSPLAN\022002_EC.DWG
LAYOUT NAME - SAUK - (7)
PLOT DATE : 7/7/2016 8:15 AM PLOT BY : MECUM, BRANDYN W PLOT NAME : PLOT SCALE : 1 IN:100 FT



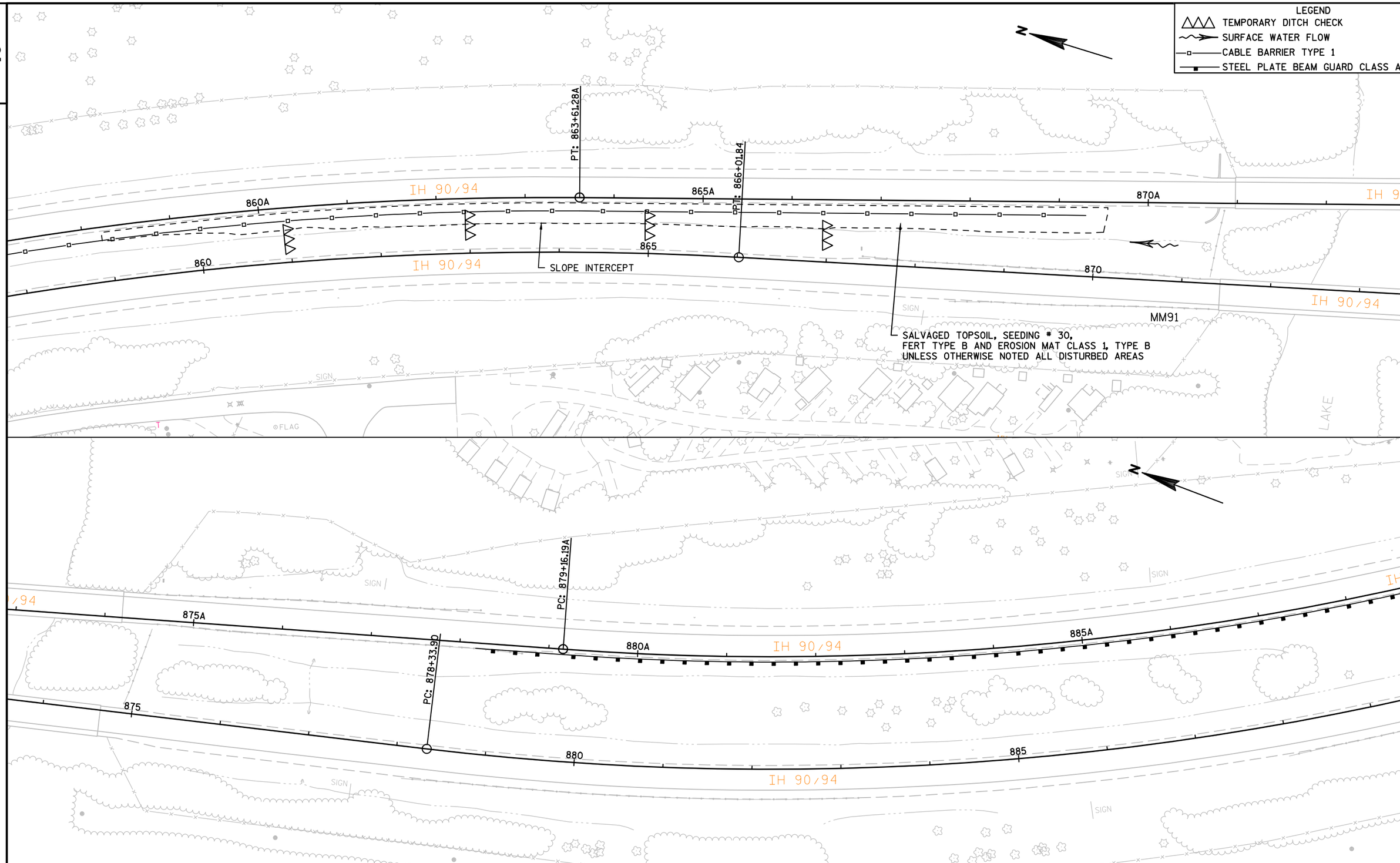
PROJECT NO:1016-02-60	HWY:IH 90/94	COUNTY:SAUK	EROSION CONTROL	SHEET 22	E

FILE NAME : N:\PDS\C3D\10160230\SHEETSPLAN\022002_EC.DWG
LAYOUT NAME - SAUK - (9)
PLOT DATE : 7/7/2016 8:16 AM PLOT BY : MECUM, BRANDYN W PLOT NAME : PLOT SCALE : 1 IN:100 FT



PROJECT NO:1016-02-60	HWY:IH 90/94	COUNTY:SAUK	EROSION CONTROL	SHEET 23	E

FILE NAME : N:\PDS\C3D\10160230\SHEETSPLAN\022002_EC.DWG
LAYOUT NAME - SAUK - (11)
PLOT DATE : 7/7/2016 8:16 AM PLOT BY : MECUM, BRANDYN W PLOT NAME : PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 42



PROJECT NO:1016-02-60	HWY:IH 90/94	COUNTY:SAUK	EROSION CONTROL	SHEET 24	E

FILE NAME : N:\PDS\C3D\10160230\SHEETSPLAN\022002_EC.DWG
LAYOUT NAME - SAUK - (13)
PLOT DATE : 7/7/2016 8:17 AM PLOT BY : MECUM, BRANDYN W PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

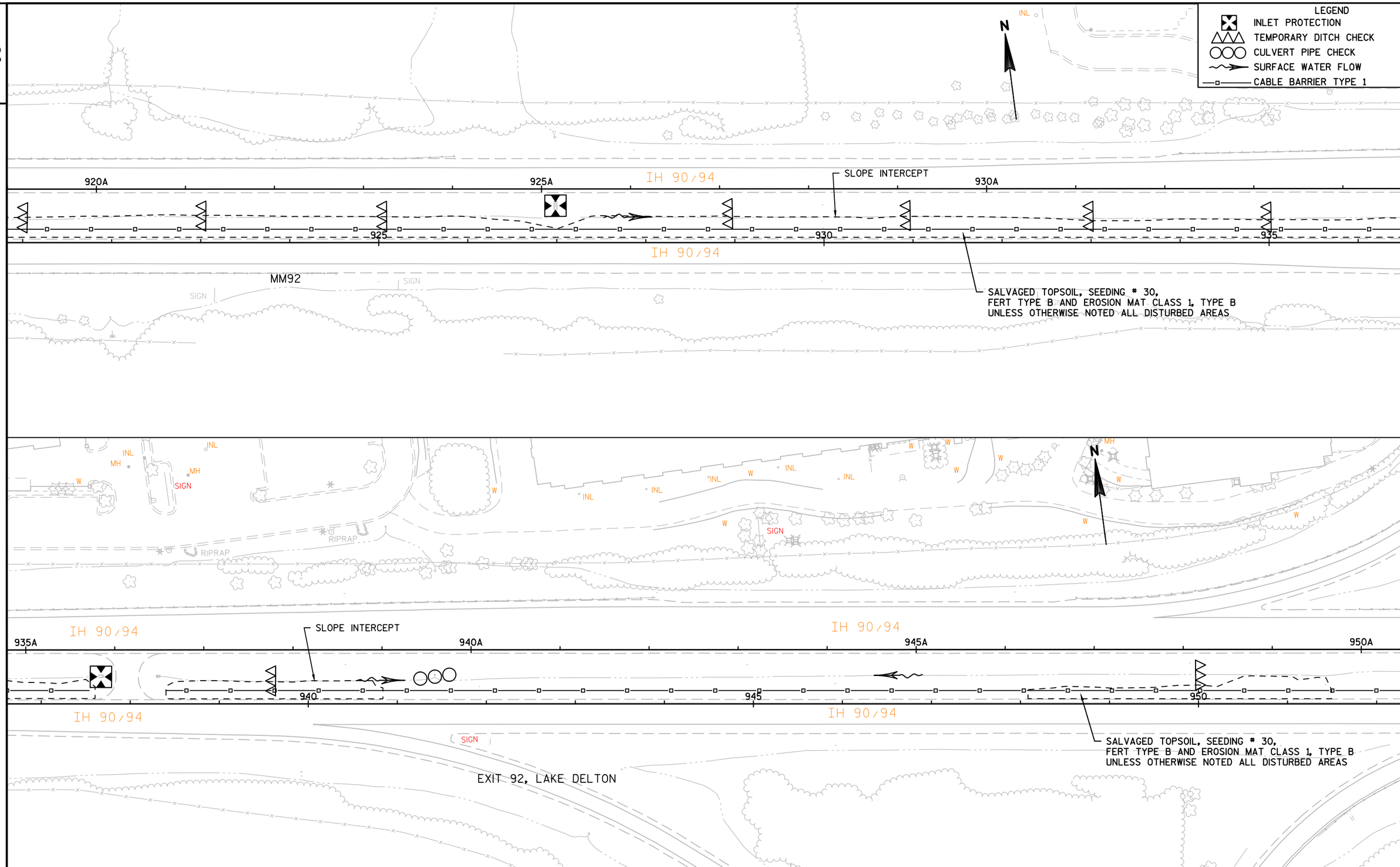
LEGEND
TEMPORARY DITCH CHECK
CULVERT PIPE CHECK
SURFACE WATER FLOW
CABLE BARRIER TYPE 1
STEEL PLATE BEAM GUARD CLASS A

ATHLETIC FIELD
SIGN
IH 90/94
JOHNALA RD
INL
890A
895A
900A
890
895
900
905
SLOPE INTERCEPT
SALVAGED TOPSOIL, SEEDING # 30,
FERT TYPE B AND EROSION MAT CLASS 1, TYPE B
UNLESS OTHERWISE NOTED ALL DISTURBED AREAS

905A
910A
915A
910
915
920
PT: 917+59.20
PT: 916+87.32A
RIPRAP

2

PROJECT NO:1016-02-60	HWY:IH 90/94	COUNTY:SAUK	EROSION CONTROL	SHEET 25	E



PROJECT NO:1016-02-60	HWY:IH 90/94	COUNTY:SAUK	EROSION CONTROL	SHEET 26	E

FILE NAME : N:\PDS\C3D\10160230\SHEETSPLAN\022002_EC.DWG
LAYOUT NAME - SAUK - (17)
PLOT DATE : 7/7/2016 8:18 AM PLOT BY : MECUM, BRANDYN W PLOT NAME : PLOT SCALE : 1 IN:100 FT

LEGEND
- INLET PROTECTION TYPE A
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- SURFACE WATER FLOW
- CABLE BARRIER TYPE 1

N

RIPRAP

IH 90/94

955A 960A 965A

955 960 965

SLOPE INTERCEPT

SALVAGED TOPSOIL, SEEDING # 30,
FERT TYPE B AND EROSION MAT CLASS 1, TYPE B
UNLESS OTHERWISE NOTED ALL DISTURBED AREAS

USH 12

SIGN

PC: 972+96.48

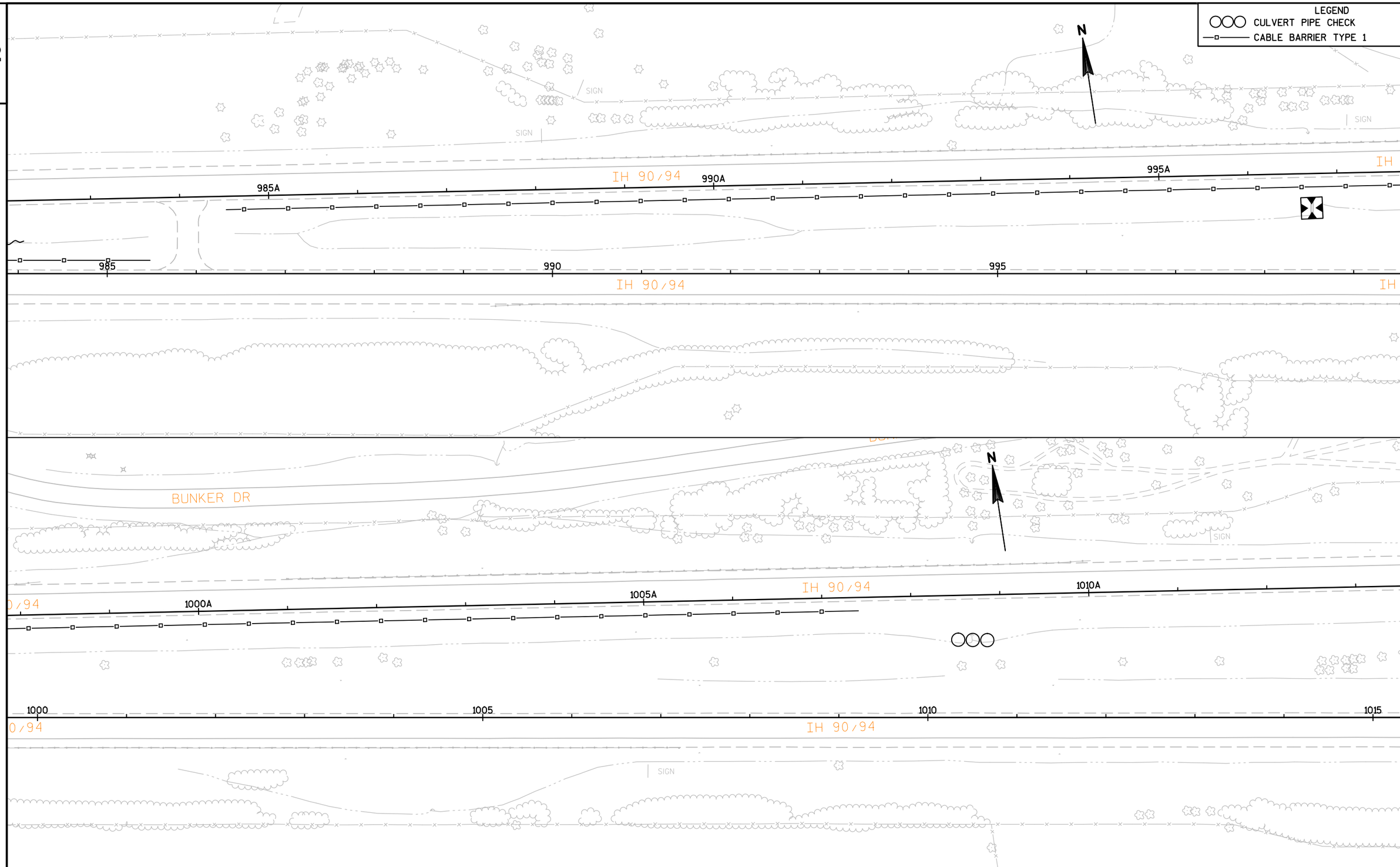
PT: 976+33.59

970A 975A 980A

970 975 980

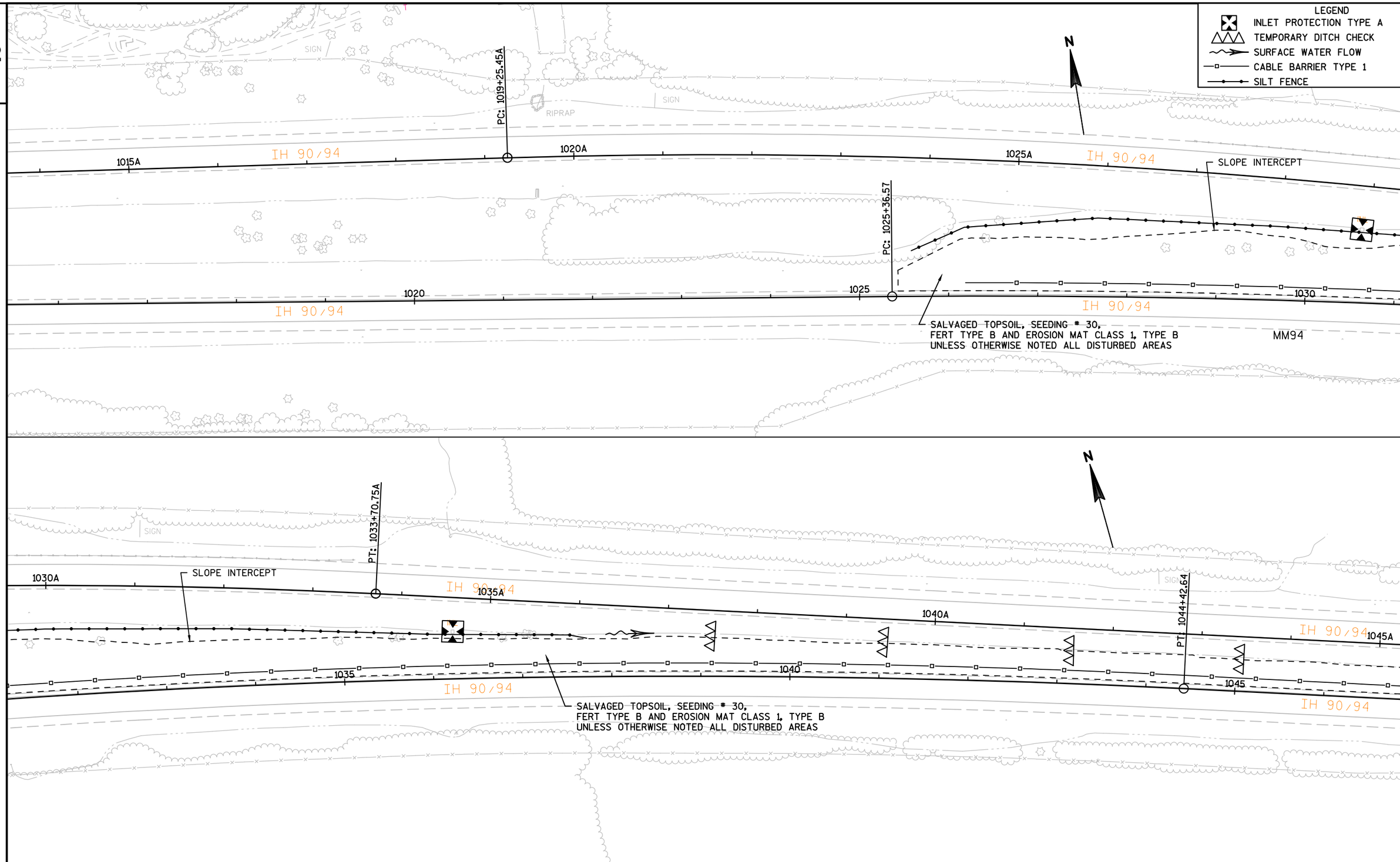
MM93

PROJECT NO:1016-02-60	HWY:IH 90/94	COUNTY:SAUK	EROSION CONTROL	SHEET 27	E



PROJECT NO:1016-02-60	HWY:IH 90/94	COUNTY:SAUK	EROSION CONTROL	SHEET 28	E

FILE NAME : N:\PDS\C3D\10160230\SHEETSPLAN\022002_EC.DWG
LAYOUT NAME - SAUK - (21)
PLOT DATE : 7/7/2016 8:20 AM PLOT BY : MECUM, BRANDYN W PLOT NAME : PLOT SCALE : 1 IN:100 FT



PROJECT NO:1016-02-60	HWY:IH 90/94	COUNTY:SAUK	EROSION CONTROL	SHEET 29	E

FILE NAME : N:\PDS\C3D\10160230\SHEETSPLAN\022002_EC.DWG
LAYOUT NAME - SAUK - (23)
PLOT DATE : 7/7/2016 8:20 AM PLOT BY : MECUM, BRANDYN W PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

LEGEND
INLET PROTECTION TYPE A
TEMPORARY DITCH CHECK
CABLE BARRIER TYPE 1

N

RIPRAP

SIGN

SLOPE INTERCEPT

1050A

IH 90/94

1055A

1060A

1050

1055

1060

IH 90/94

SALVAGED TOPSOIL, SEEDING # 30,
FERT TYPE B AND EROSION MAT CLASS 1, TYPE B
UNLESS OTHERWISE NOTED ALL DISTURBED AREAS

N

SIGN

SIGN

W

IH 90/94

1065A

IH 90/94

1070A

1075A

CTH A

1065

1070

1075

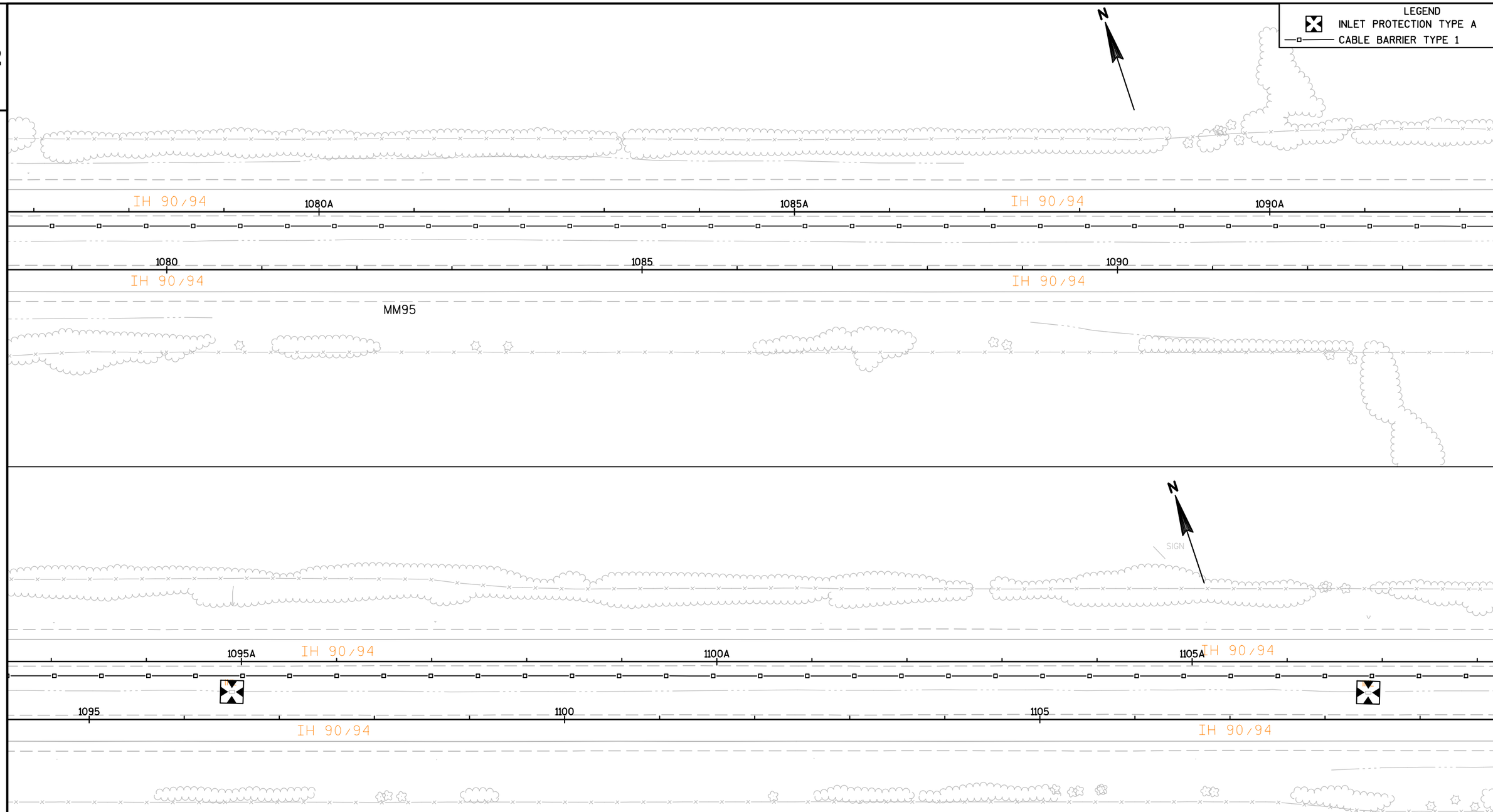
IH 90/94

IH 90/94

W

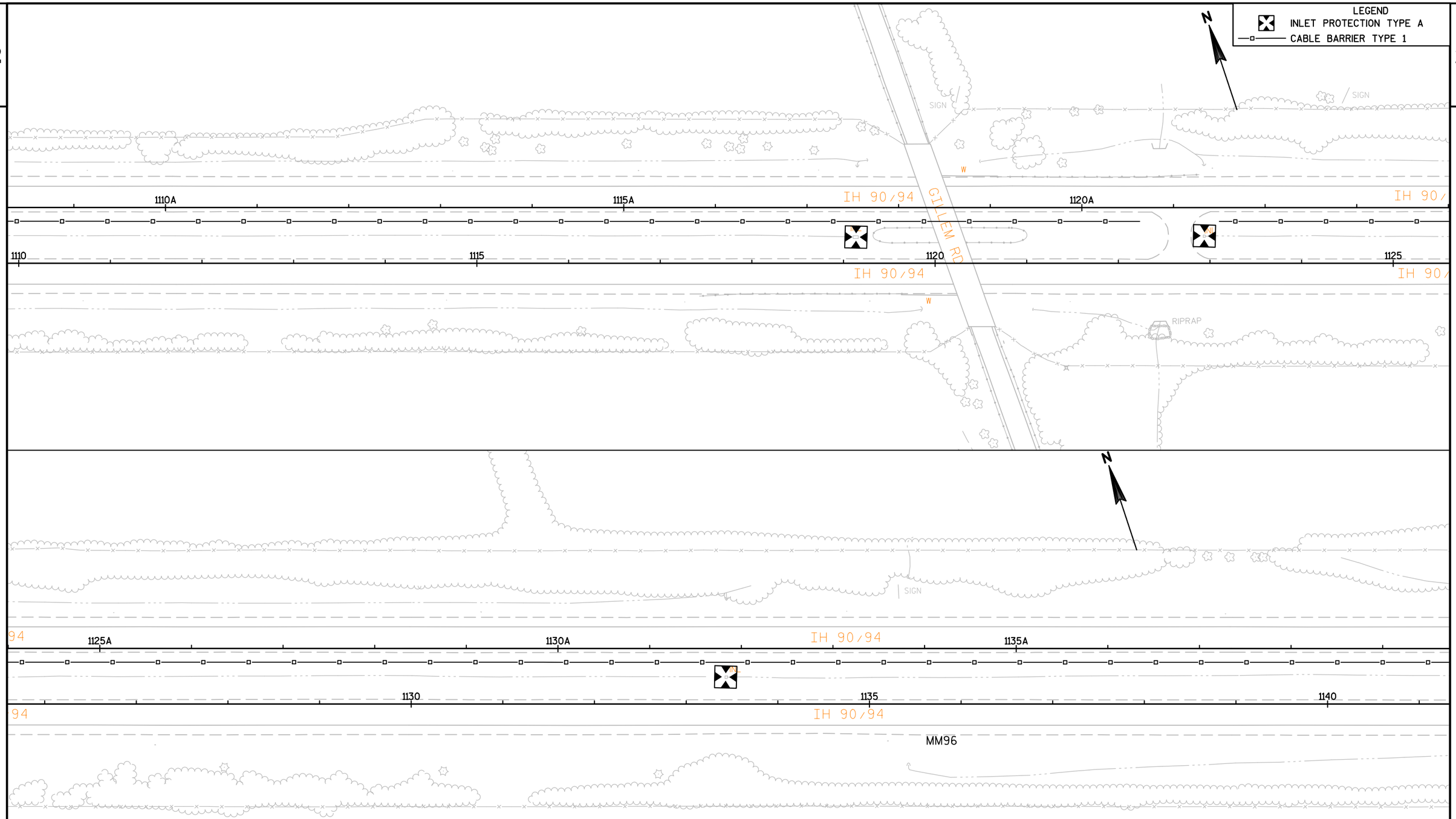
2

PROJECT NO:1016-02-60	HWY:IH 90/94	COUNTY:SAUK	EROSION CONTROL	SHEET 30	E



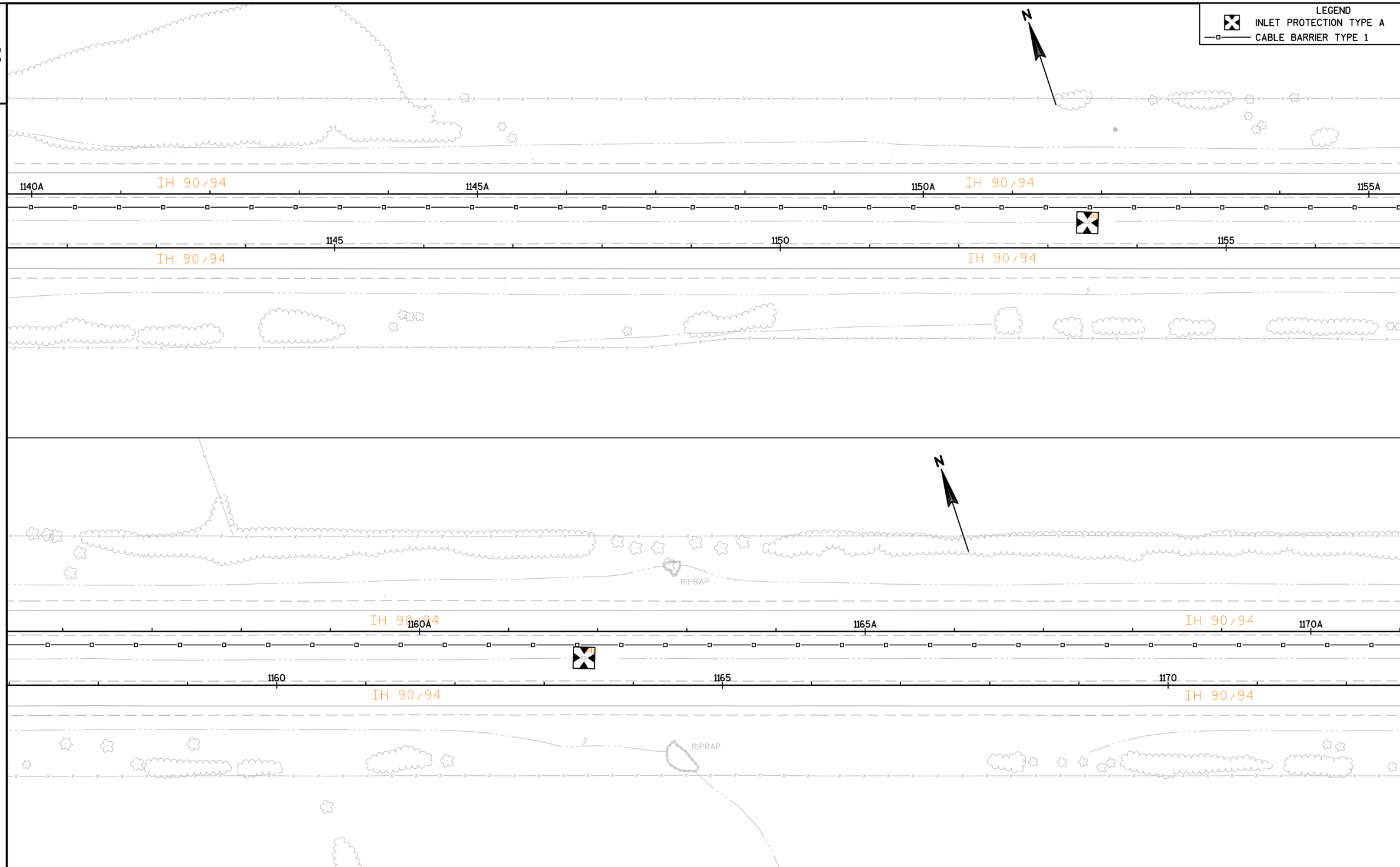
PROJECT NO:1016-02-60	HWY:IH 90/94	COUNTY:SAUK	EROSION CONTROL	SHEET 31	E

FILE NAME : N:\PDS\C3D\10160230\SHEETSPLAN\022002_EC.DWG
LAYOUT NAME - SAUK - (27)
PLOT DATE : 7/7/2016 8:22 AM PLOT BY : MECUM, BRANDYN W PLOT NAME : PLOT SCALE : 1 IN:100 FT



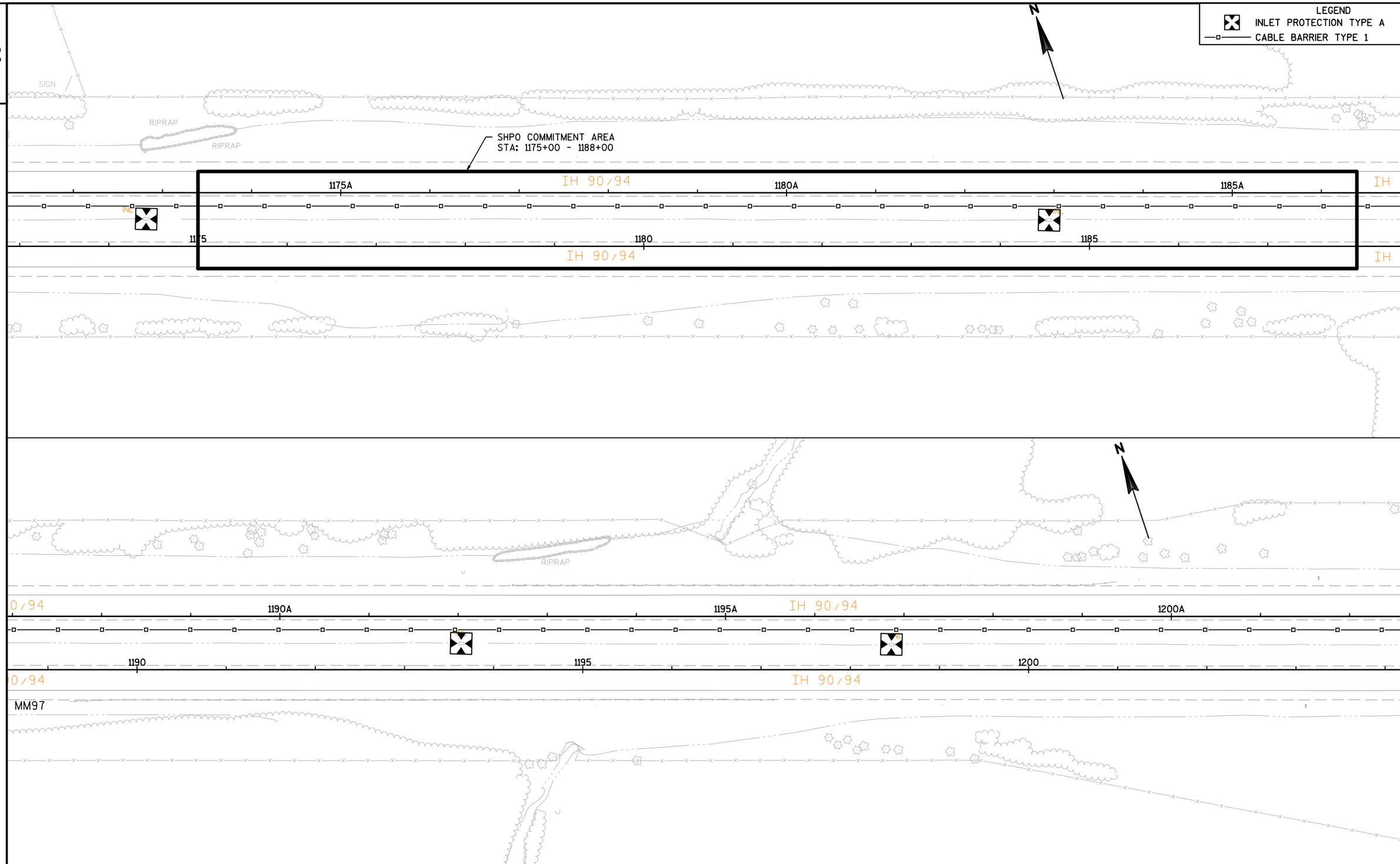
PROJECT NO:1016-02-60	HWY:IH 90/94	COUNTY:SAUK	EROSION CONTROL	SHEET 32	E

FILE NAME : N:\PDS\C3D\10160230\SHEETSPLAN\022002_EC.DWG
LAYOUT NAME - SAUK - (29)
PLOT DATE : 7/7/2016 8:22 AM PLOT BY : MECUM, BRANDYN W PLOT NAME : PLOT SCALE : 1 IN:100 FT



PROJECT NO:1016-02-60	HWY:IH 90/94	COUNTY:SAUK	EROSION CONTROL	SHEET 33	E

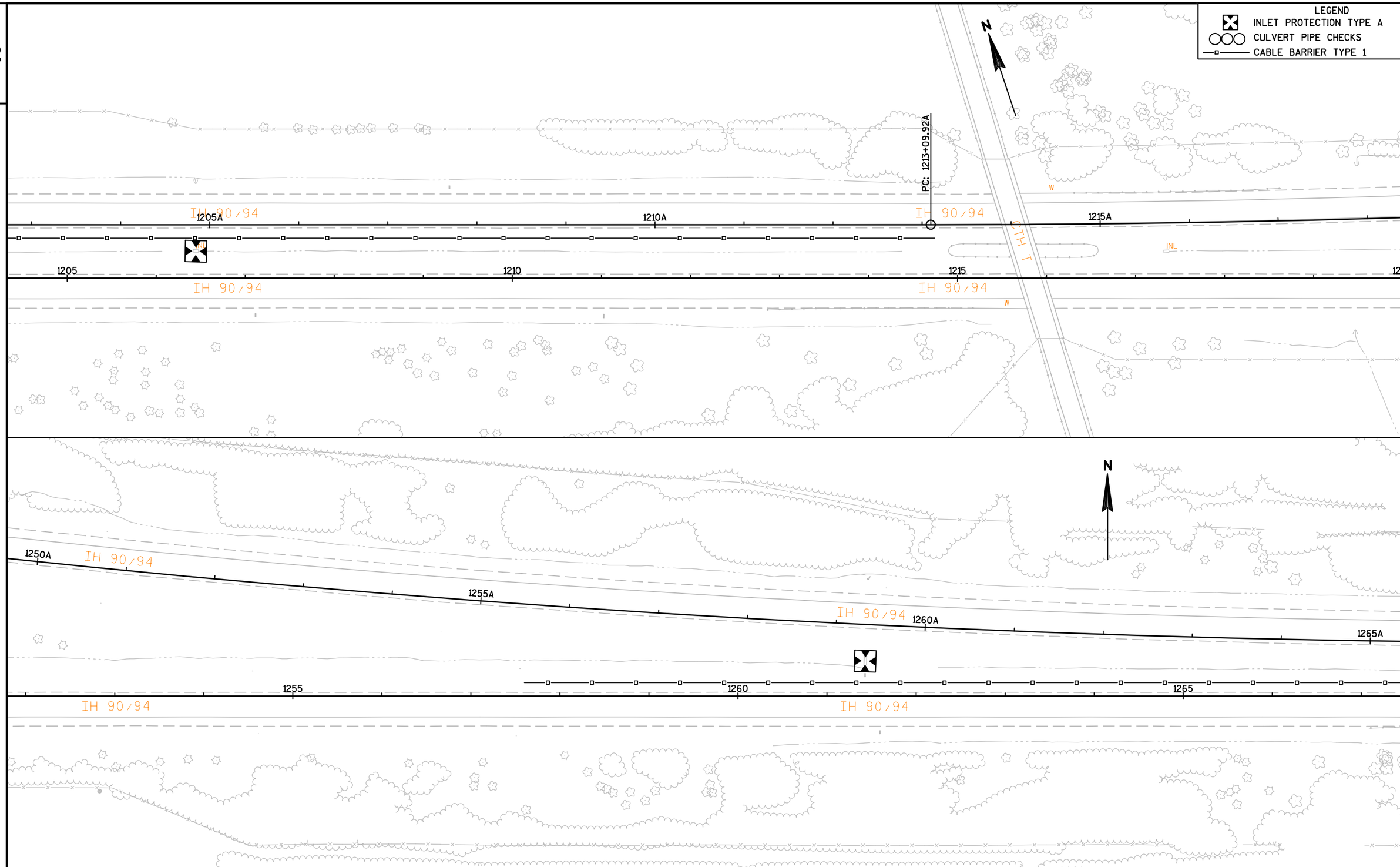
FILE NAME : N:\PDS\C3D\10160230\SHEETSPLAN\022002_EC.DWG
LAYOUT NAME - SAUK - (31)
PLOT DATE : 7/7/2016 8:23 AM PLOT BY : MECUM, BRANDYN W PLOT NAME : PLOT SCALE : 1 IN:100 FT



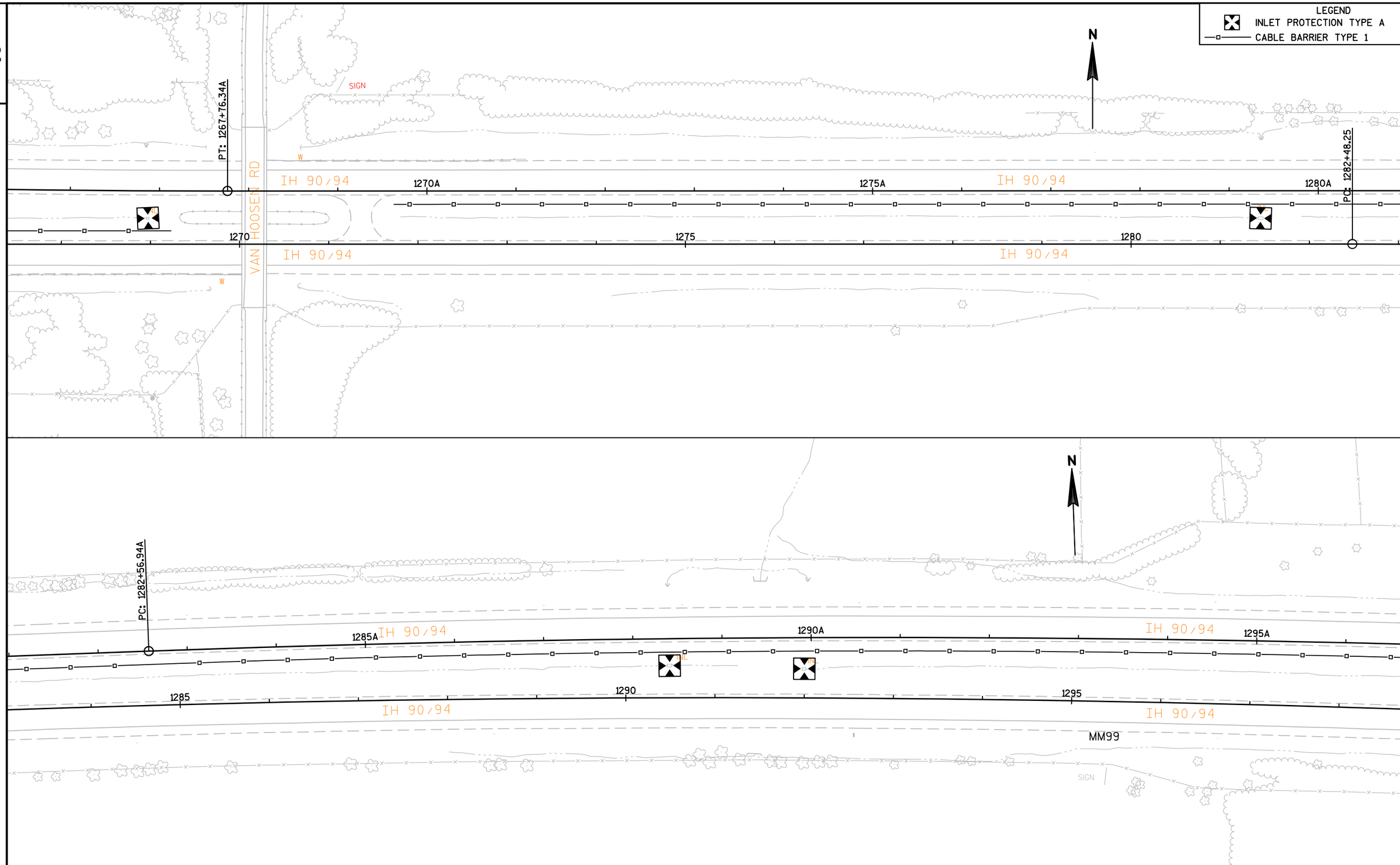
PROJECT NO:1016-02-60	HWY:IH 90/94	COUNTY:SAUK	EROSION CONTROL	SHEET 34	E

FILE NAME : N:\PDS\C3D\10160230\SHEETSPLAN\022002_EC.DWG
LAYOUT NAME - SAUK - (33)
PLOT DATE : 7/7/2016 8:24 AM PLOT BY : MECUM, BRANDYN W PLOT NAME : PLOT SCALE : 1 IN:100 FT

LEGEND
INLET PROTECTION TYPE A
CULVERT PIPE CHECKS
CABLE BARRIER TYPE 1



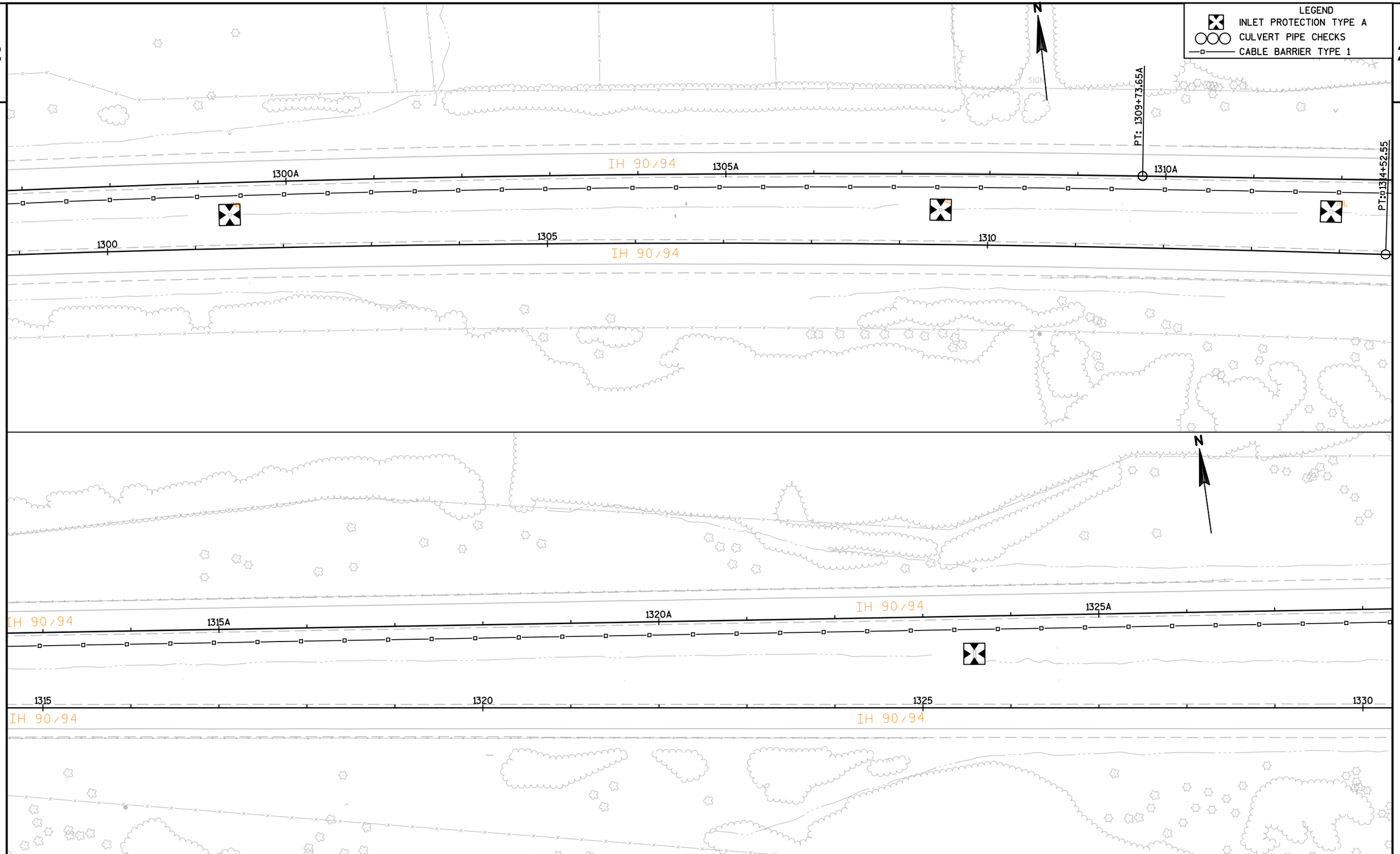
PROJECT NO:1016-02-60	HWY:IH 90/94	COUNTY:SAUK	EROSION CONTROL	SHEET 35	E



PROJECT NO:1016-02-60	HWY:IH 90/94	COUNTY:SAUK	EROSION CONTROL	SHEET 36	E

FILE NAME : N:\PDS\C3D\10160230\SHEETSPLAN\022002_EC.DWG
LAYOUT NAME - SAUK - (37)
PLOT DATE : 7/7/2016 8:25 AM PLOT BY : MECUM, BRANDYN W PLOT NAME : PLOT SCALE : 1 IN:100 FT

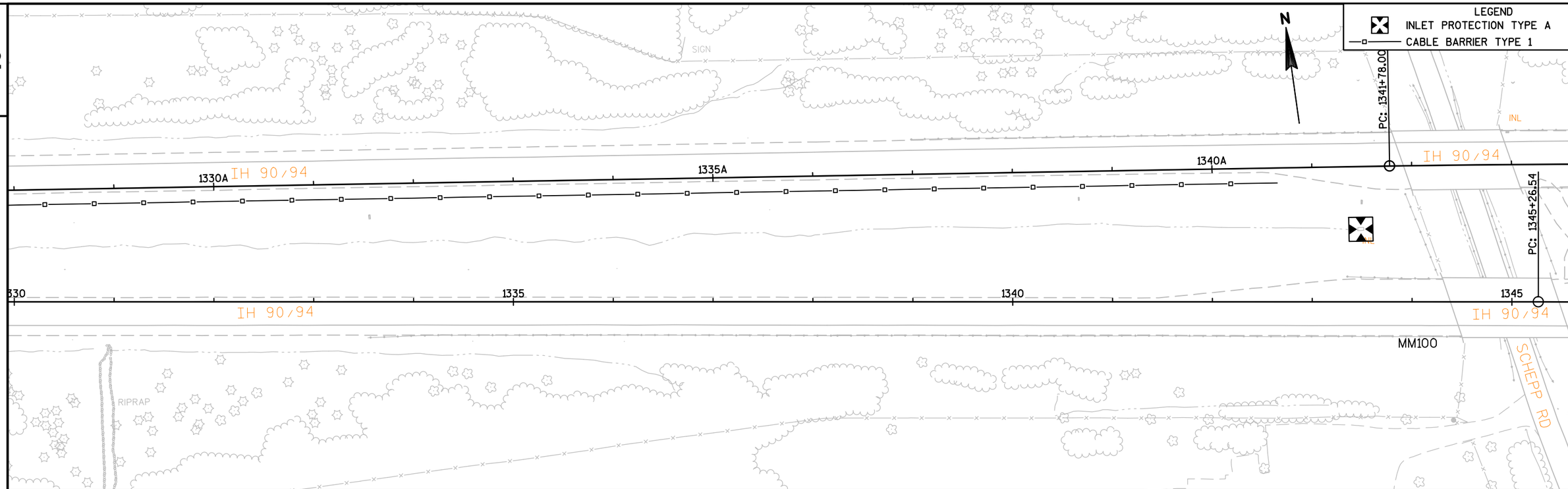
WISDOT/CADDS SHEET 42



PROJECT NO:1016-02-60	HWY:IH 90/94	COUNTY:SAUK	EROSION CONTROL	SHEET 37	E

FILE NAME : N:\PDS\C3D\10160230\SHEETSPLAN\022002_EC.DWG
LAYOUT NAME - SAUK - (39)
PLOT DATE : 7/7/2016 8:26 AM PLOT BY : MECUM, BRANDYN W PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42



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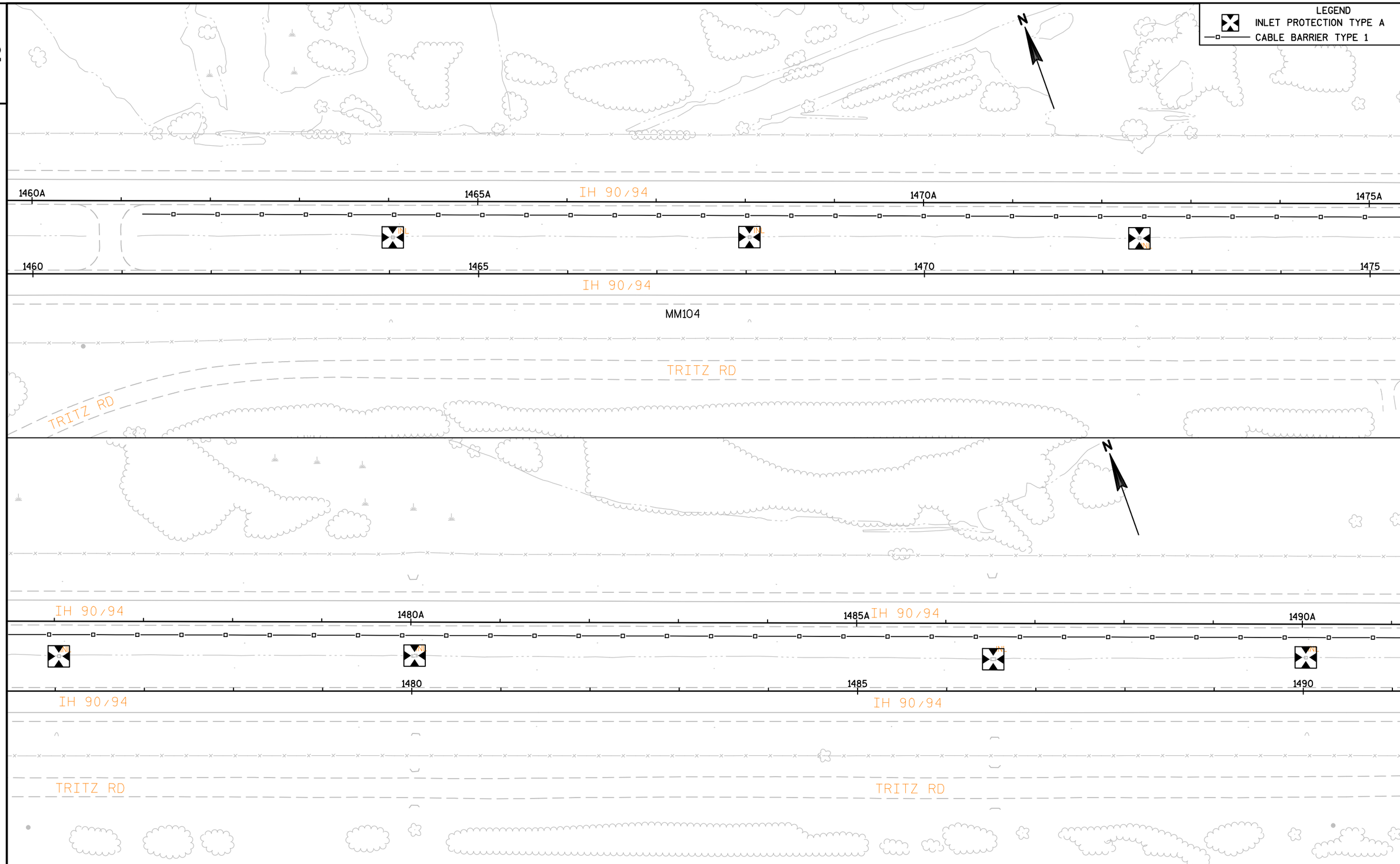
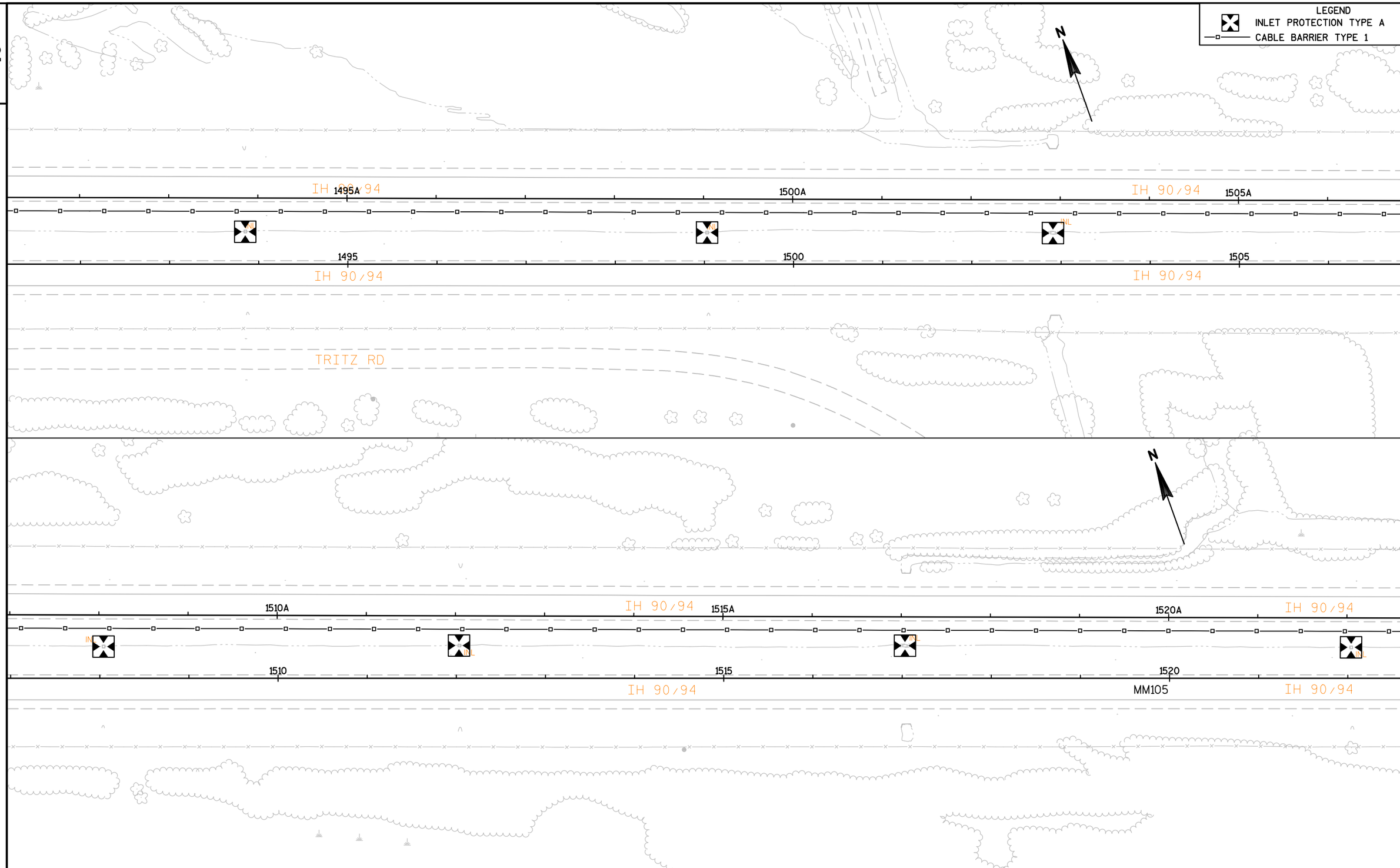
PROJECT NO:1016-02-60	HWY:IH 90/94	COUNTY:SAUK	EROSION CONTROL	SHEET 38	E



PROJECT NO:1016-02-60	HWY:IH 90/94	COUNTY:COLUMBIA	EROSION CONTROL	SHEET 39	E

FILE NAME : N:\PDS\C3D\10160230\SHEETSPLAN\022003_EC.DWG
LAYOUT NAME - COLUMBIA - (1)
PLOT DATE : 7/1/2016 8:05 AM PLOT BY : MECUM, BRANDYN W PLOT NAME : PLOT SCALE : 1 IN:100 FT



PROJECT NO:1016-02-60	HWY:IH 90/94	COUNTY:COLUMBIA	EROSION CONTROL	SHEET 40	E

FILE NAME : N:\PDS\C3D\10160230\SHEETSPLAN\022003_EC.DWG
LAYOUT NAME - COLUMBIA - (3)
PLOT DATE : 7/1/2016 8:05 AM PLOT BY : MECUM, BRANDYN W PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

LEGEND
INLET PROTECTION TYPE A
TEMPORARY DITCH CHECK
SURFACE WATER FLOW
CABLE BARRIER TYPE 1

N

PC: 1533+90.68

PC: 1537+38.61A

SLOPE INTERCEPT

1525A 1530A 1535A

IH 90/94

1525 1530 1535

IH 90/94

SIGN

SALVAGED TOPSOIL, SEEDING # 30,
FERT TYPE B AND EROSION MAT CLASS 1, TYPE B
UNLESS OTHERWISE NOTED ALL DISTURBED AREAS

N

SALVAGED TOPSOIL, SEEDING # 30,
FERT TYPE B AND EROSION MAT CLASS 1, TYPE B
UNLESS OTHERWISE NOTED ALL DISTURBED AREAS

1545A

IH 90/94 1550A

IH 90/94 1540A

1545 1550

1540

IH 90/94

SLOPE INTERCEPT

IH 90/94

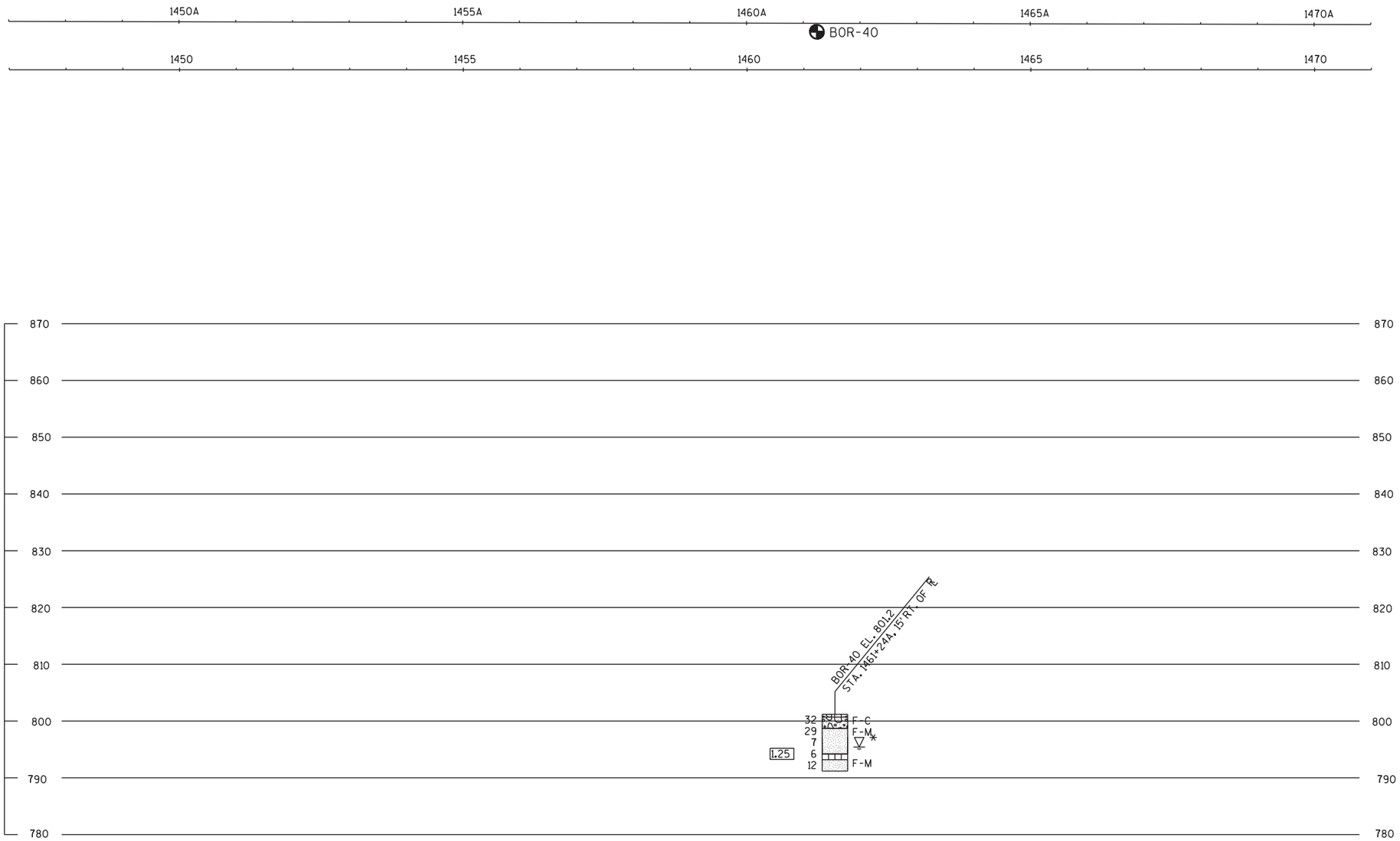
SIGN

2

PROJECT NO:1016-02-60	HWY:IH 90/94	COUNTY:COUNTY:COLUMBIA	EROSION CONTROL	SHEET 41	E

BORING #	DATE COMPLETED	NORTHING (Y)	EASTING (X)
40	4/18/2016	390244.31	510531.01

BORINGS COMPLETED BY: WISDOT
REPORT COMPLETED BY: WISDOT
ALL COORDINATES REFERENCED TO WCCS NAD 83(91) COLUMBIA COUNTY



* THE GROUND WATER ELEVATION WAS DETERMINED FROM WHERE THE SOIL SAMPLE WAS DESCRIBED AS WET.

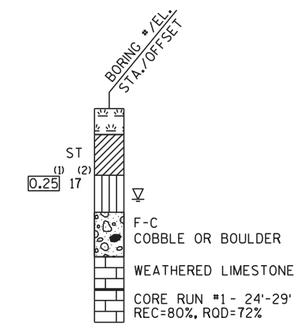
STATE PROJECT NUMBER

1016-02-60

MATERIAL SYMBOLS

ASPHALT, TOPSOIL, PEAT, CONCRETE, FILL, GRAVEL, SAND, CLAY, SILT, BOULDERS OR COBBLES, LIMESTONE, BEDROCK (UNKNOWN), SHALE, SANDSTONE, IGNEOUS/META

LEGEND OF BORING



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(2) UNLESS OTHERWISE, SPECIFIED THE SPT 'N' VALUE IS BASED ON AASHTO T-206, STANDARD PENETRATION TEST. THE SPT 'N' VALUE PRESENTED HAS NOT BEEN CORRECTED FOR OVERBURDEN PRESSURE OR HAMMER EFFICIENCY.

GROUND WATER ELEVATION

- AT TIME OF DRILLING
- END OF DRILLING
- AFTER DRILLING

ABBREVIATIONS

F-FINE M-MEDIUM C-COARSE ST-SHELBY TUBE

SUBSURFACE EXPLORATION FOR FOUNDATION DESIGN AND BIDDERS INFORMATION

BORINGS WERE COMPLETED AT POINTS APPROXIMATELY AS INDICATED ON THIS DRAWING TO OBTAIN INFORMATION CONCERNING THE CHARACTER OF SUBSURFACE MATERIALS FOUND AT THE SITE. BECAUSE THE INVESTIGATED DEPTHS ARE LIMITED AND THE AREA OF THE BORINGS IS VERY SMALL IN RELATION TO THE ENTIRE SITE, THE WISCONSIN DEPARTMENT OF TRANSPORTATION DOES NOT WARRANT SIMILAR SUBSURFACE CONDITIONS BELOW, BETWEEN, OR BEYOND THESE BORINGS. VARIATIONS IN SOIL CONDITIONS SHOULD BE EXPECTED AND FLUCTUATIONS IN GROUNDWATER LEVELS MAY OCCUR.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE CABLE GUARD

DRAWN BY TLP | PLANS CK'D.

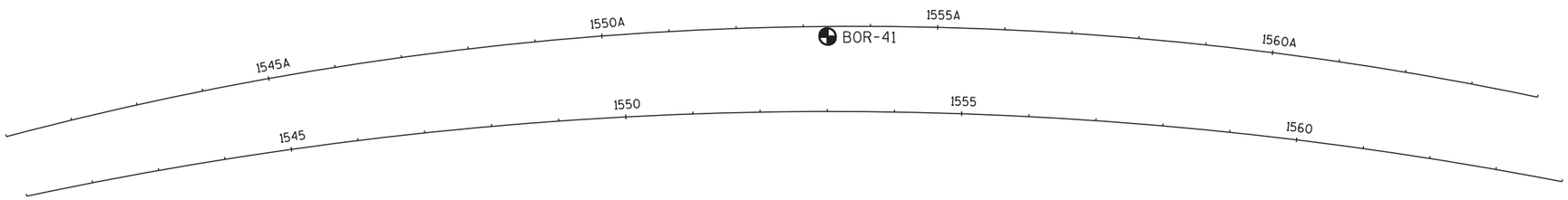
SUBSURFACE EXPLORATION

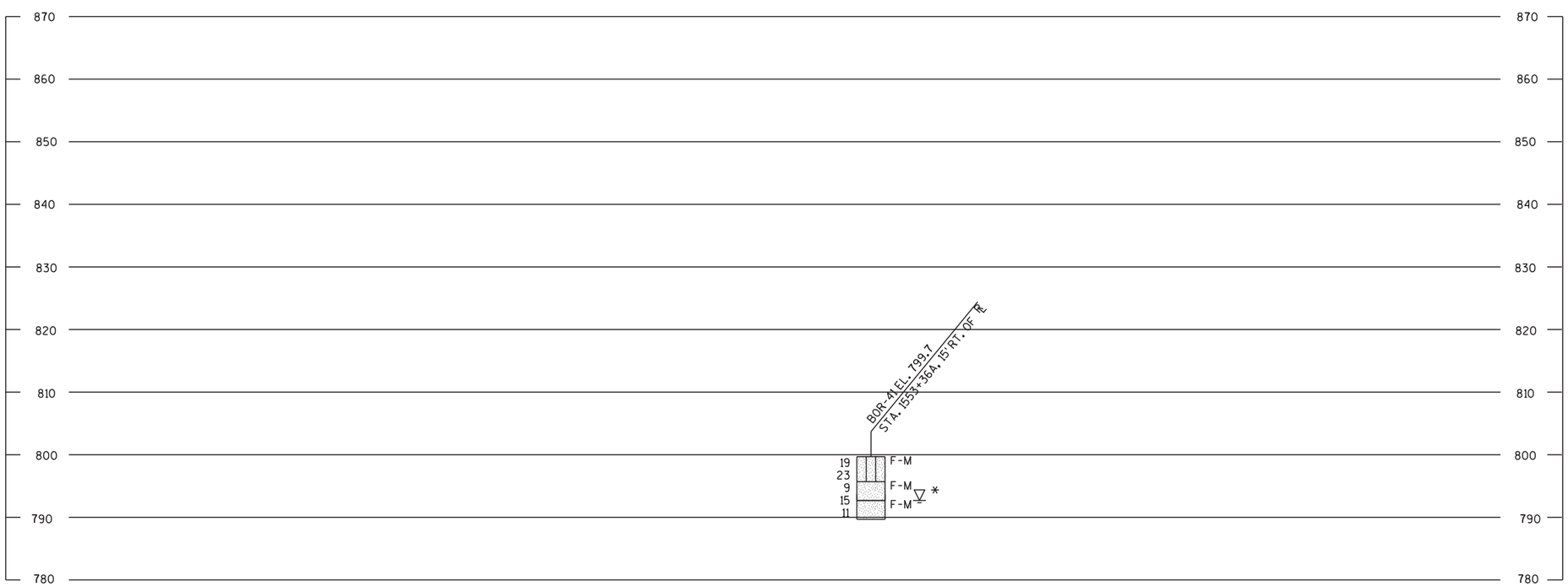
SHEET 1 OF 26

PROJECT NO:1060-02-60	HWY:I-90/94	COUNTY:COLUMBIA	CABLE GUARD BORINGS	SHEET 1	E

BORING #	DATE COMPLETED	NORTHING (Y)	EASTING (X)
41	4/18/2016	386902.32	519084.31

BORINGS COMPLETED BY: WISDOT
REPORT COMPLETED BY: WISDOT
ALL COORDINATES REFERENCED TO WCCS NAD 83(91) COLUMBIA COUNTY





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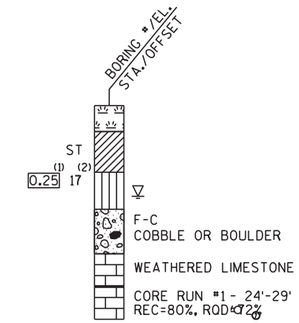
STATE PROJECT NUMBER

1016-02-60

MATERIAL SYMBOLS

ASPHALT, TOPSOIL, PEAT, CONCRETE, FILL, GRAVEL, SAND, CLAY, SILT, BOULDERS OR COBBLES, LIMESTONE, BEDROCK (UNKNOWN), SHALE, SANDSTONE, IGNEOUS/META

LEGEND OF BORING



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NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE CABLE GUARD

DRAWN BY TLP | PLANS CK'D.

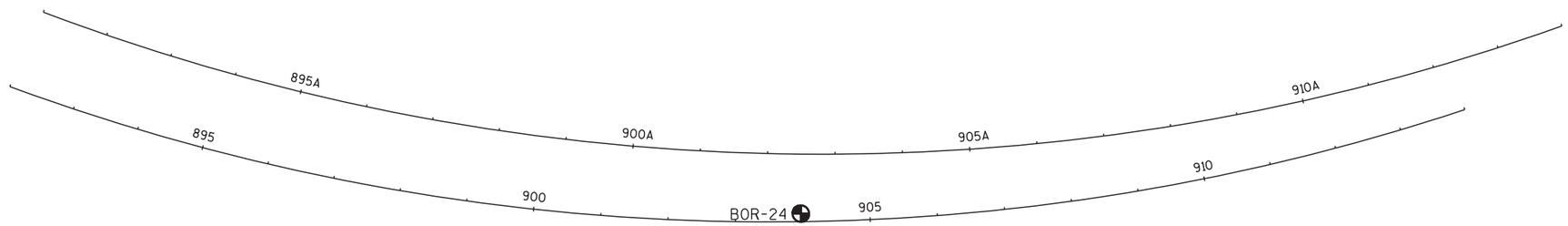
SUBSURFACE EXPLORATION

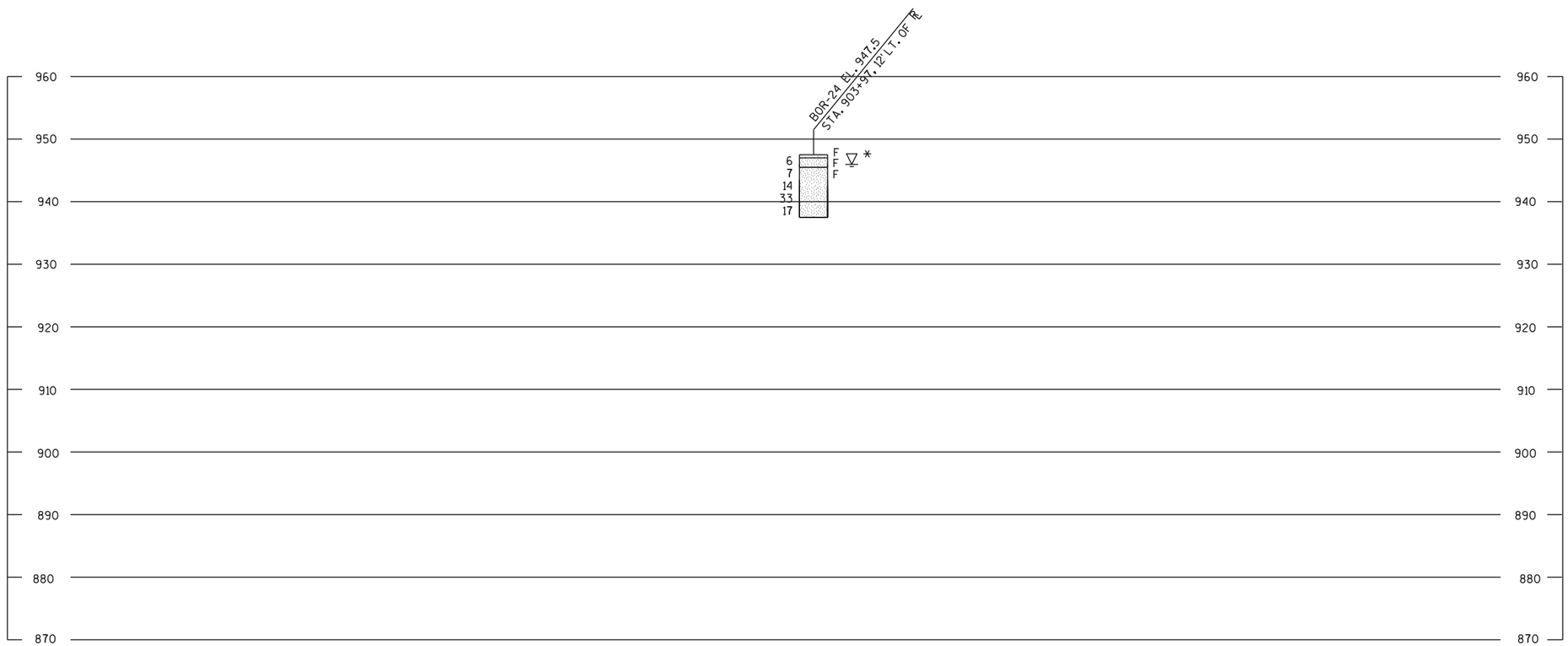
SHEET 2 OF 26

PROJECT NO:1060-02-60	HWY:I-90/94	COUNTY:COLUMBIA	CABLE GUARD BORINGS	SHEET 2	E

BORING #	DATE COMPLETED	NORTHING (Y)	EASTING (X)
24	4/20/2016	274477.32	636074.64

BORINGS COMPLETED BY: WISDOT
REPORT COMPLETED BY: WISDOT
ALL COORDINATES REFERENCED TO WCCS NAD 83(91) SAUK COUNTY





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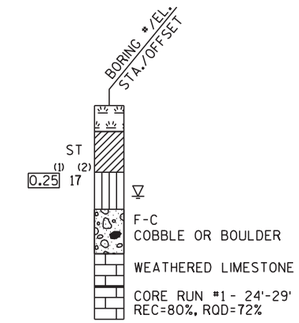
STATE PROJECT NUMBER

1016-02-60

MATERIAL SYMBOLS

ASPHALT, TOPSOIL, PEAT, CONCRETE, FILL, GRAVEL, SAND, CLAY, SILT, BOULDERS OR COBBLES, LIMESTONE, BEDROCK (UNKNOWN), SHALE, SANDSTONE, IGNEOUS/META

LEGEND OF BORING



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NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE CABLE GUARD

DRAWN BY TLP | PLANS CK'D.

SUBSURFACE EXPLORATION

SHEET 12 OF 26

PROJECT NO:1016-02-60 | HWY:I-90/94 | COUNTY:SAUK | CABLE GUARD BORINGS | SHEET 12 | E

BORING #	DATE COMPLETED	NORTHING (Y)	EASTING (X)
25	4/20/2016	273775.28	639324.17
26	4/20/2016	273571.37	640899.80
27	4/20/2016	273491.72	641470.40

BORINGS COMPLETED BY: WISDOT
REPORT COMPLETED BY: WISDOT
ALL COORDINATES REFERENCED TO WCCS NAD 83(91) SAUK COUNTY

* THE GROUND WATER ELEVATION WAS DETERMINED FROM WHERE THE SOIL SAMPLE WAS DESCRIBED AS WET.

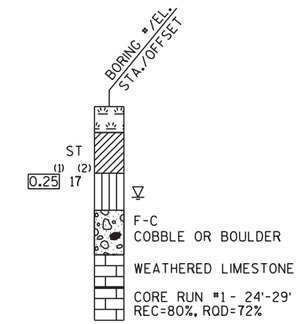
STATE PROJECT NUMBER

1016-02-60

MATERIAL SYMBOLS

ASPHALT, TOPSOIL, PEAT, CONCRETE, FILL, GRAVEL, SAND, CLAY, SILT, BOULDERS OR COBBLES, LIMESTONE, BEDROCK (UNKNOWN), SHALE, SANDSTONE, IGNEOUS/META

LEGEND OF BORING



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GROUND WATER ELEVATION

- AT TIME OF DRILLING
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ABBREVIATIONS

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SUBSURFACE EXPLORATION FOR FOUNDATION DESIGN AND BIDDERS INFORMATION

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NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE CABLE GUARD

DRAWN BY TLP | PLANS CK'D.

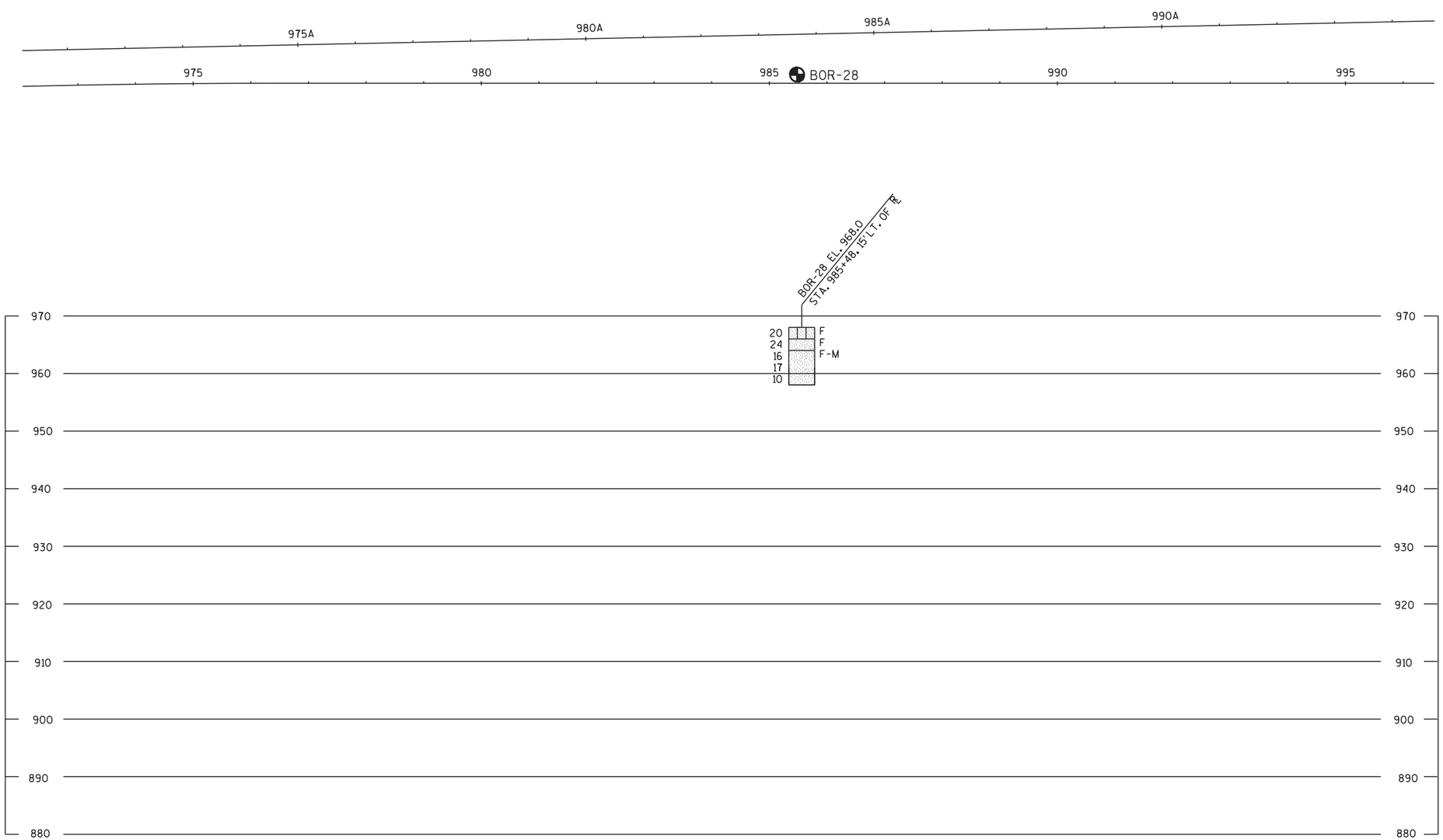
SUBSURFACE EXPLORATION

SHEET 13 OF 26

PROJECT NO:1016-02-60 | **HWY:I-90/94** | **COUNTY:SAUK** | **CABLE GUARD BORINGS** | **SHEET 13** | E

BORING #	DATE COMPLETED	NORTHING (Y)	EASTING (X)
28	4/20/2016	273131.88	644074.93

BORINGS COMPLETED BY: WISDOT
REPORT COMPLETED BY: WISDOT
ALL COORDINATES REFERENCED TO WCCS NAD 83(91) SAUK COUNTY



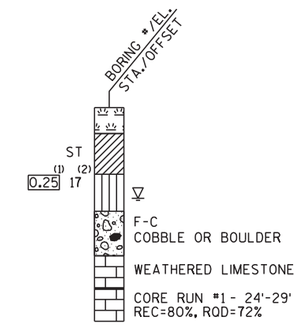
STATE PROJECT NUMBER

1016-02-60

MATERIAL SYMBOLS

ASPHALT, TOPSOIL, PEAT, CONCRETE, FILL, GRAVEL, SAND, CLAY, SILT, BOULDERS OR COBBLES, LIMESTONE, BEDROCK (UNKNOWN), SHALE, SANDSTONE, IGNEOUS/META

LEGEND OF BORING



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GROUND WATER ELEVATION

- AT TIME OF DRILLING
- END OF DRILLING
- AFTER DRILLING

ABBREVIATIONS

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SUBSURFACE EXPLORATION FOR FOUNDATION DESIGN AND BIDDERS INFORMATION

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NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE CABLE GUARD

DRAWN BY TLP | PLANS CK'D.

SUBSURFACE EXPLORATION

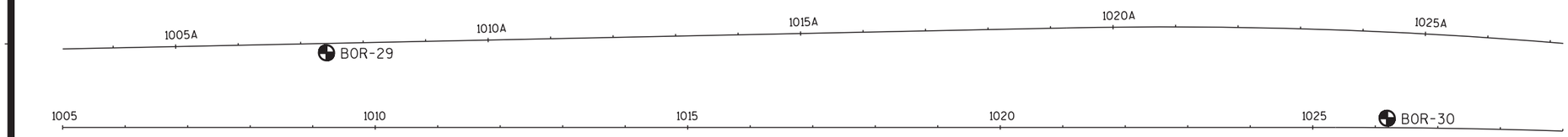
SHEET 14 OF 26

PROJECT NO:1016-02-60	HWY:I-90/94	COUNTY:SAUK	CABLE GUARD BORINGS	SHEET 14	E

2

BORING #	DATE COMPLETED	NORTHING (Y)	EASTING (X)
29	4/19/2016	272879.50	646437.78
30	4/20/2016	272521.04	658099.79

BORINGS COMPLETED BY: WISDOT
REPORT COMPLETED BY: WISDOT
ALL COORDINATES REFERENCED TO WCCS NAD 83(91) SAUK COUNTY



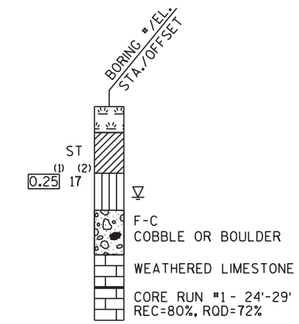
STATE PROJECT NUMBER

1016-02-60

MATERIAL SYMBOLS

ASPHALT, TOPSOIL, PEAT, CONCRETE, FILL, GRAVEL, SAND, CLAY, SILT, BOULDERS OR COBBLES, LIMESTONE, BEDROCK (UNKNOWN), SHALE, SANDSTONE, IGNEOUS/META

LEGEND OF BORING



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SUBSURFACE EXPLORATION FOR FOUNDATION DESIGN AND BIDDERS INFORMATION

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NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE CABLE GUARD

DRAWN BY TLP | PLANS CK'D.

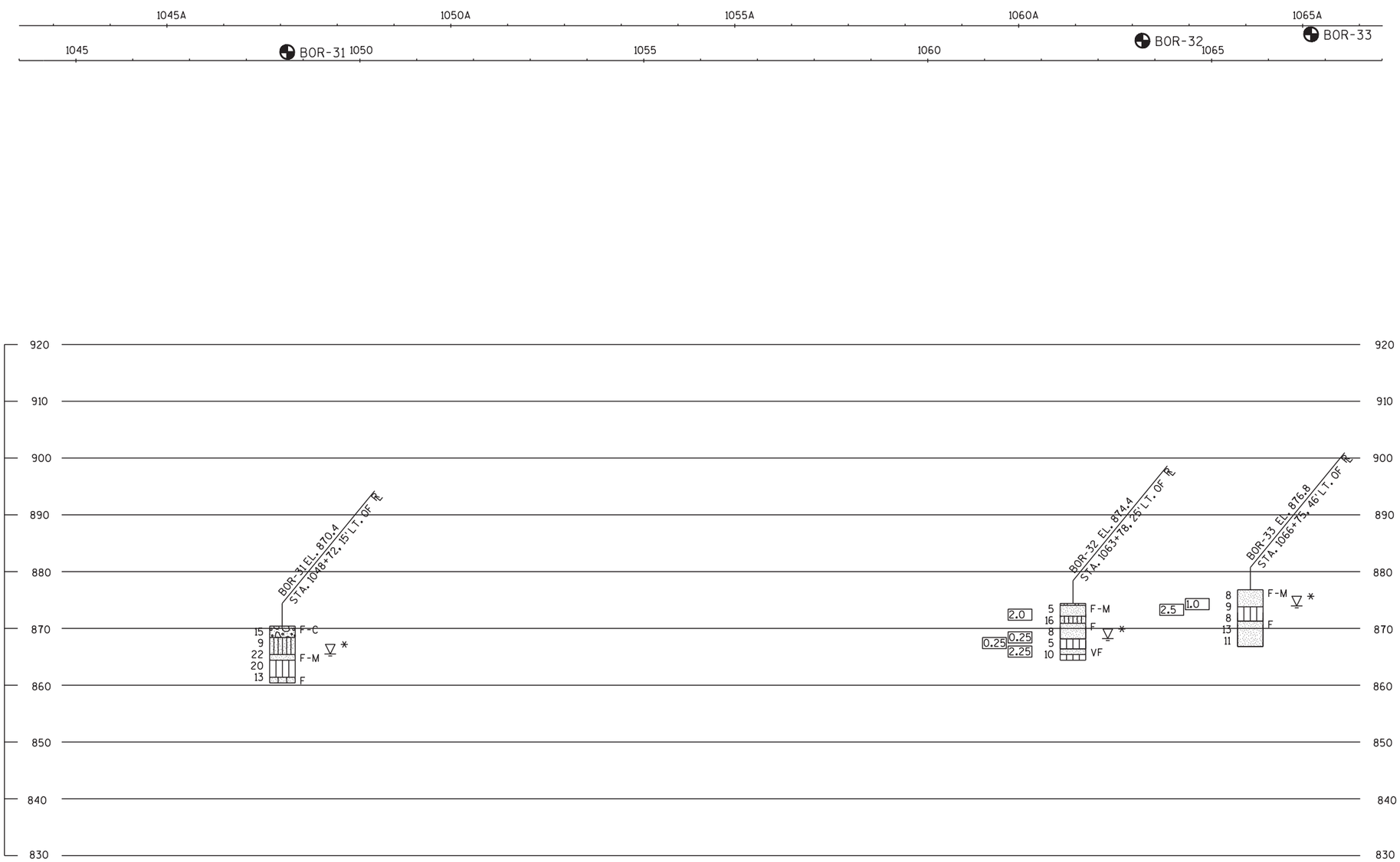
SUBSURFACE EXPLORATION

SHEET 15 OF 26

PROJECT NO:1016-02-60	HWY:I-90/94	COUNTY:SAUK	CABLE GUARD BORINGS	SHEET 15	E

BORING #	DATE COMPLETED	NORTHING (Y)	EASTING (X)
31	4/20/2016	271955.70	650280.08
32	4/19/2016	271502.48	651716.45
33	4/19/2016	271420.04	652001.99

BORINGS COMPLETED BY: WISDOT
REPORT COMPLETED BY: WISDOT
ALL COORDINATES REFERENCED TO WCCS NAD 83(91) SAUK COUNTY



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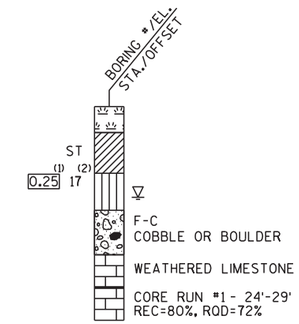
STATE PROJECT NUMBER

1016-02-60

MATERIAL SYMBOLS

ASPHALT, TOPSOIL, PEAT, CONCRETE, FILL, GRAVEL, SAND, CLAY, SILT, BOULDERS OR COBBLES, LIMESTONE, BEDROCK (UNKNOWN), SHALE, SANDSTONE, IGNEOUS/META

LEGEND OF BORING



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NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE CABLE GUARD

DRAWN BY TLP | PLANS CK'D.

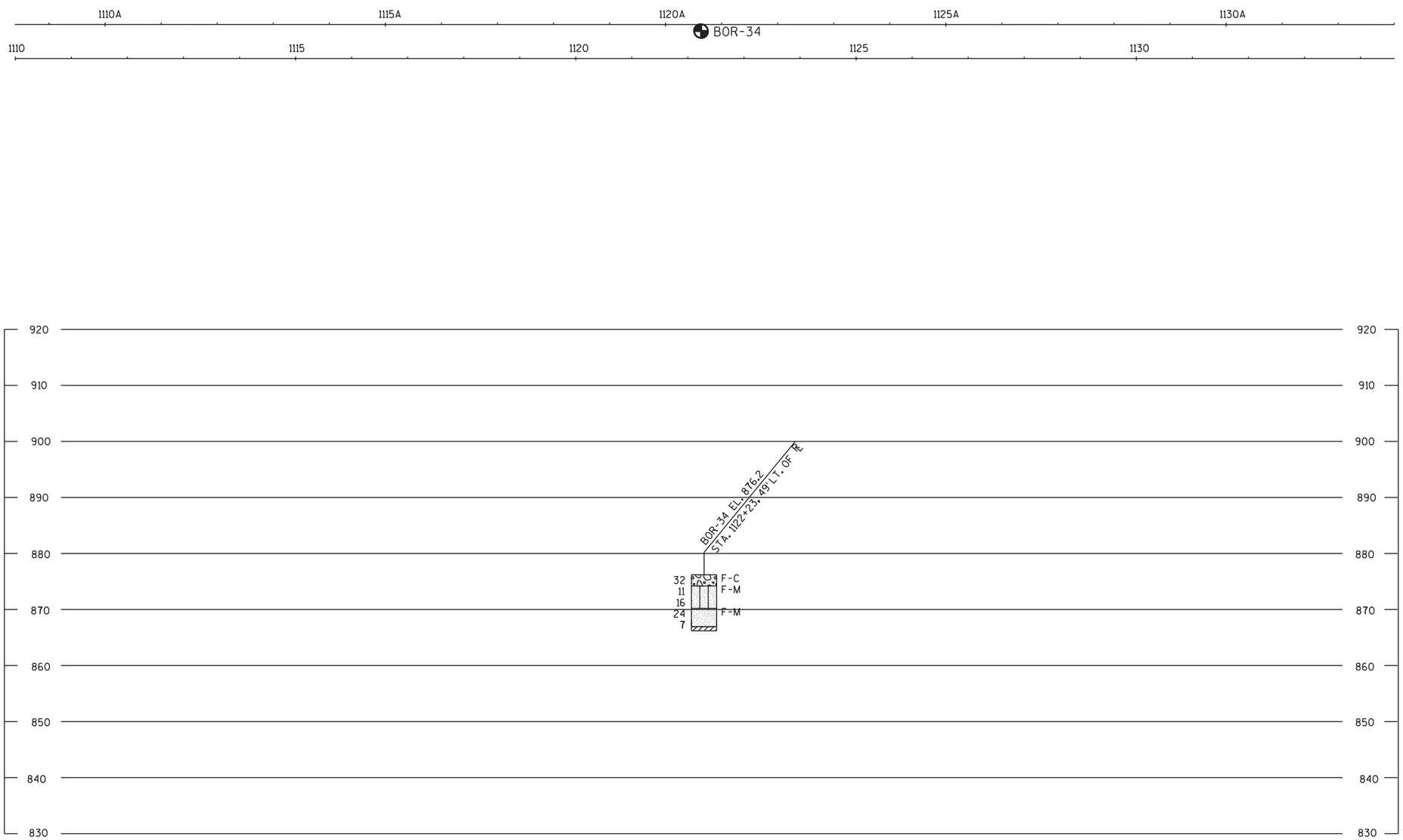
SUBSURFACE EXPLORATION

SHEET 16 OF 26

PROJECT NO:1016-02-60 | **HWY:I-90/94** | **COUNTY:SAUK** | **CABLE GUARD BORINGS** | **SHEET 16** | E

BORING #	DATE COMPLETED	NORTHING (Y)	EASTING (X)
34	4/19/2016	269683.00	657271.41

BORINGS COMPLETED BY: WISDOT
REPORT COMPLETED BY: WISDOT
ALL COORDINATES REFERENCED TO WCCS NAD 83(91) SAUK COUNTY



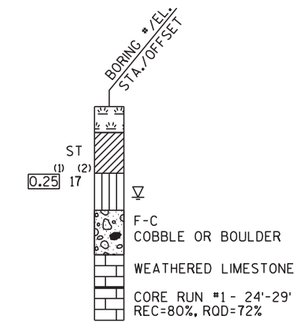
STATE PROJECT NUMBER

1016-02-60

MATERIAL SYMBOLS

ASPHALT, TOPSOIL, PEAT, CONCRETE, FILL, GRAVEL, SAND, CLAY, SILT, BOULDERS OR COBBLES, LIMESTONE, BEDROCK (UNKNOWN), SHALE, SANDSTONE, IGNEOUS/META

LEGEND OF BORING



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GROUND WATER ELEVATION

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ABBREVIATIONS

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NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE CABLE GUARD

DRAWN BY TLP | PLANS CK'D.

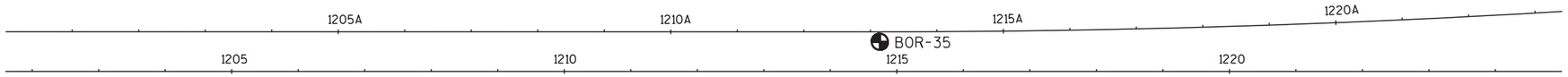
SUBSURFACE EXPLORATION

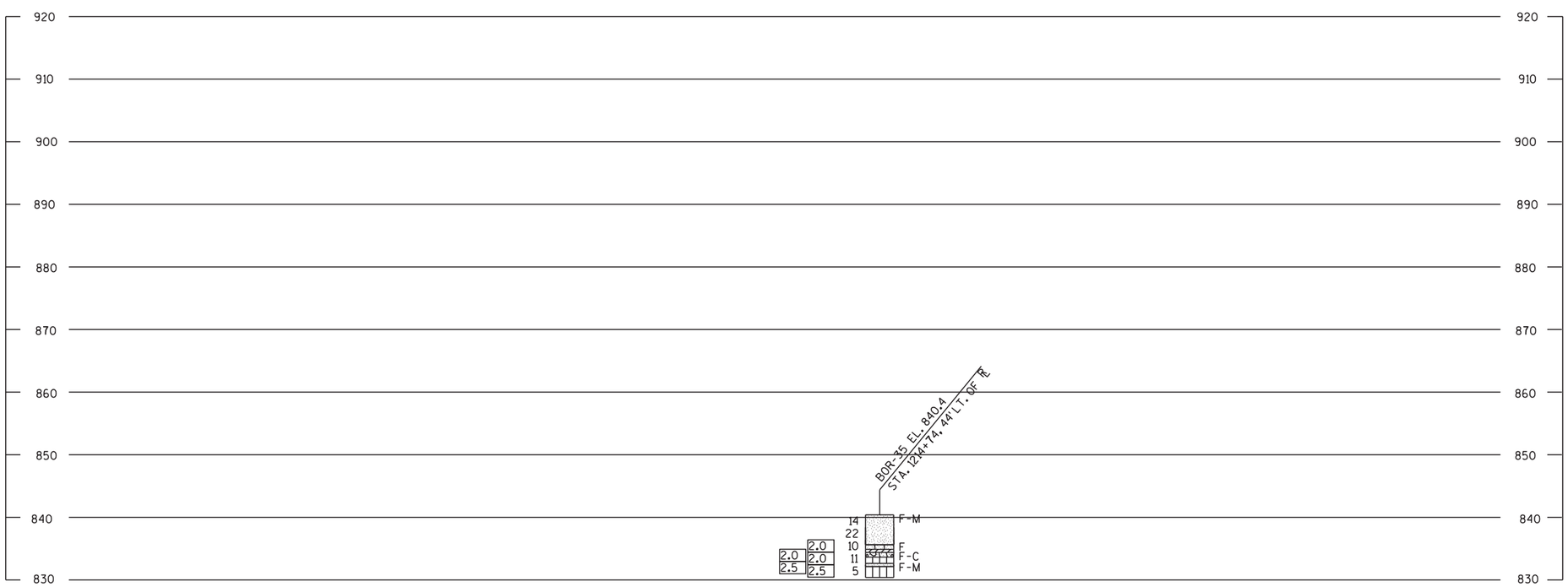
SHEET 17 OF 26

PROJECT NO:1016-02-60 | **HWY:I-90/94** | **COUNTY:SAUK** | **CABLE GUARD BORINGS** | **SHEET 17** | E

BORING #	DATE COMPLETED	NORTHING (Y)	EASTING (X)
35	4/19/2016	266778.34	666054.53

BORINGS COMPLETED BY: WISDOT
REPORT COMPLETED BY: WISDOT
ALL COORDINATES REFERENCED TO WCCS NAD 83(91) SAUK COUNTY





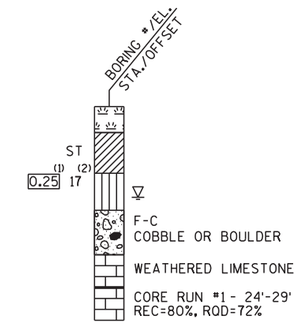
STATE PROJECT NUMBER

1016-02-60

MATERIAL SYMBOLS

ASPHALT, TOPSOIL, PEAT, CONCRETE, FILL, GRAVEL, SAND, CLAY, SILT, BOULDERS OR COBBLES, LIMESTONE, BEDROCK (UNKNOWN), SHALE, SANDSTONE, IGNEOUS/META

LEGEND OF BORING



(1) UNCONFINED STRENGTH, AS DETERMINED BY A POCKET PENETROMETER (TSF)

(2) UNLESS OTHERWISE, SPECIFIED THE SPT 'N' VALUE IS BASED ON AASHTO T-206, STANDARD PENETRATION TEST. THE SPT 'N' VALUE PRESENTED HAS NOT BEEN CORRECTED FOR OVERBURDEN PRESSURE OR HAMMER EFFICIENCY.

GROUND WATER ELEVATION

- AT TIME OF DRILLING
- END OF DRILLING
- AFTER DRILLING

ABBREVIATIONS

F-FINE M-MEDIUM C-COARSE ST-SHELBY TUBE

SUBSURFACE EXPLORATION FOR FOUNDATION DESIGN AND BIDDERS INFORMATION

BORINGS WERE COMPLETED AT POINTS APPROXIMATELY AS INDICATED ON THIS DRAWING TO OBTAIN INFORMATION CONCERNING THE CHARACTER OF SUBSURFACE MATERIALS FOUND AT THE SITE. BECAUSE THE INVESTIGATED DEPTHS ARE LIMITED AND THE AREA OF THE BORINGS IS VERY SMALL IN RELATION TO THE ENTIRE SITE, THE WISCONSIN DEPARTMENT OF TRANSPORTATION DOES NOT WARRANT SIMILAR SUBSURFACE CONDITIONS BELOW, BETWEEN, OR BEYOND THESE BORINGS. VARIATIONS IN SOIL CONDITIONS SHOULD BE EXPECTED AND FLUCTUATIONS IN GROUNDWATER LEVELS MAY OCCUR.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE CABLE GUARD

DRAWN BY TLP | PLANS CK'D.

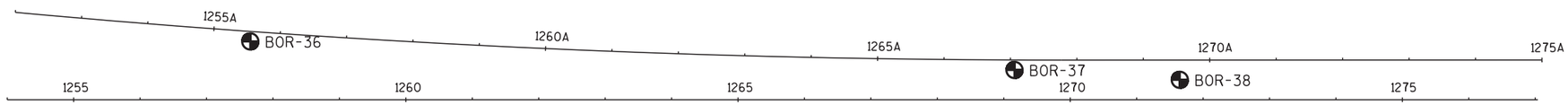
SUBSURFACE EXPLORATION

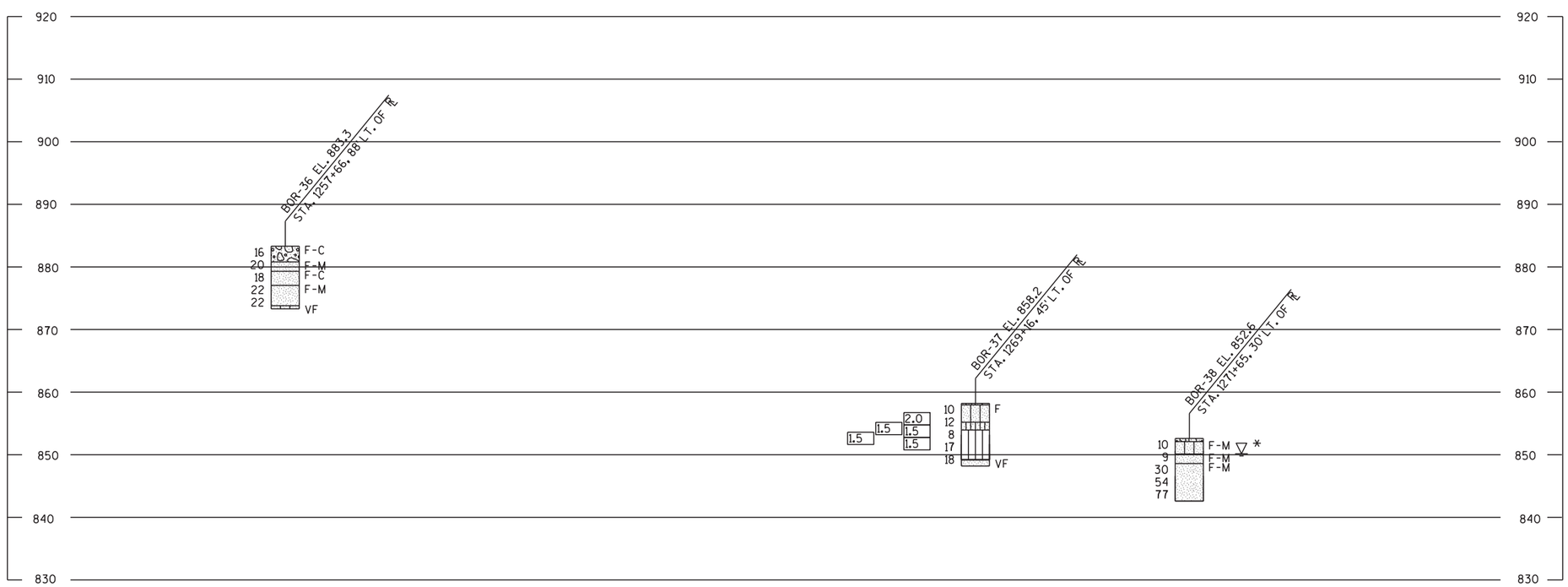
SHEET 18 OF 26

PROJECT NO:1016-02-60	HWY:	COUNTY:SAUK	CABLE GUARD BORINGS	SHEET 18	E

BORING #	DATE COMPLETED	NORTHING (Y)	EASTING (X)
36	4/18/2016	265954.62	670208.30
37	4/18/2016	265909.28	671358.49
38	4/18/2016	265893.93	671607.26

BORINGS COMPLETED BY: WISDOT
REPORT COMPLETED BY: WISDOT
ALL COORDINATES REFERENCED TO WCCS NAD 83(91) SAUK COUNTY





* THE GROUND WATER ELEVATION WAS DETERMINED FROM WHERE THE SOIL SAMPLE WAS DESCRIBED AS WET.

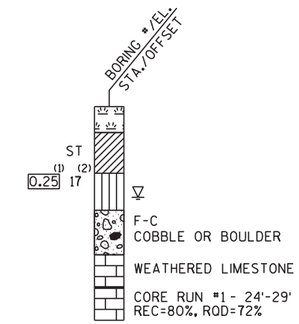
STATE PROJECT NUMBER

1016-02-60

MATERIAL SYMBOLS

ASPHALT, TOPSOIL, PEAT, CONCRETE, FILL, GRAVEL, SAND, CLAY, SILT, BOULDERS OR COBBLES, LIMESTONE, BEDROCK (UNKNOWN), SHALE, SANDSTONE, IGNEOUS/META

LEGEND OF BORING



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STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE CABLE GUARD

DRAWN BY TLP | PLANS CK'D.

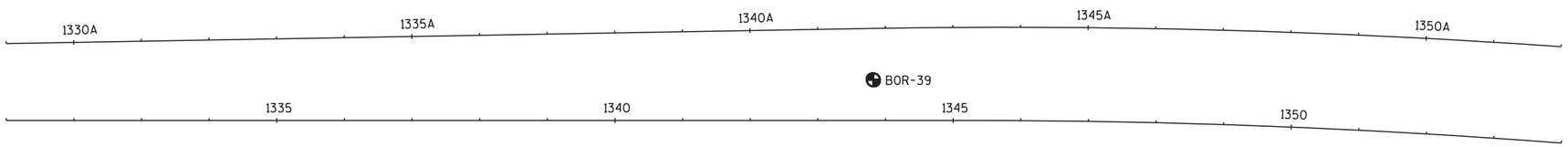
SUBSURFACE EXPLORATION

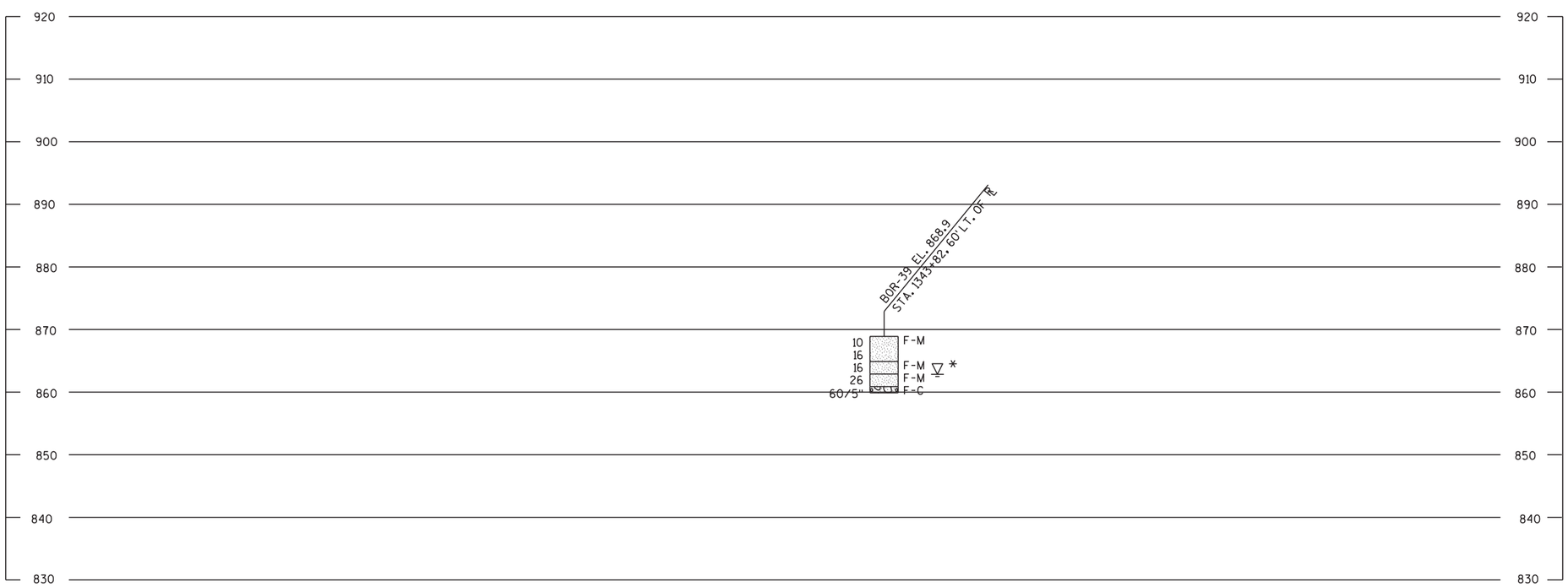
SHEET 19 OF 26

PROJECT NO:1016-02-60	HWY:I-90/94	COUNTY:SAUK	CABLE GUARD BORINGS	SHEET 19	E

BORING #	DATE COMPLETED	NORTHING (Y)	EASTING (X)
39	4/18/2016	264287.41	678793.51

BORINGS COMPLETED BY: WISDOT
REPORT COMPLETED BY: WISDOT
ALL COORDINATES REFERENCED TO WCCS NAD 83(91) SAUK COUNTY





* THE GROUND WATER ELEVATION WAS DETERMINED FROM WHERE THE SOIL SAMPLE WAS DESCRIBED AS WET.

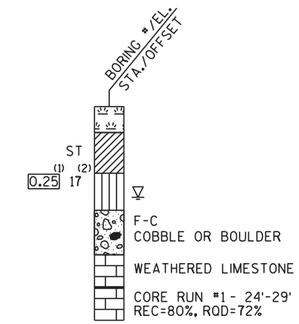
STATE PROJECT NUMBER

1016-02-60

MATERIAL SYMBOLS

ASPHALT, TOPSOIL, PEAT, CONCRETE, FILL, GRAVEL, SAND, CLAY, SILT, BOULDERS OR COBBLES, LIMESTONE, BEDROCK (UNKNOWN), SHALE, SANDSTONE, IGNEOUS/META

LEGEND OF BORING



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- END OF DRILLING
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NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE CABLE GUARD

DRAWN BY TLP | PLANS CK'D.

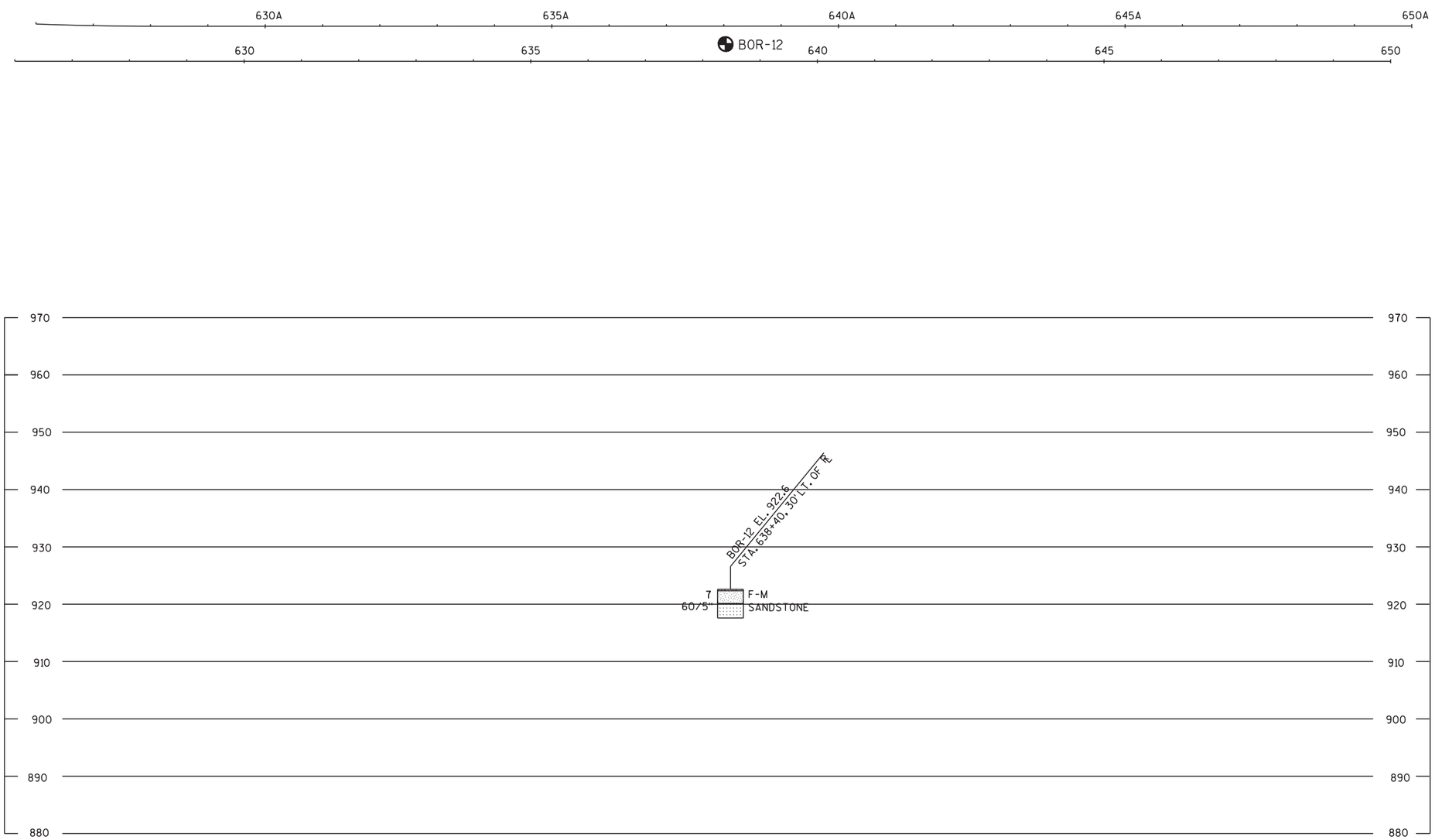
SUBSURFACE EXPLORATION

SHEET 20 OF 26

PROJECT NO:1016-02-60 | HWY:I-90/94 | COUNTY:SAUK | CABLE GUARD BORINGS | SHEET 20 | E

BORING #	DATE COMPLETED	NORTHING (Y)	EASTING (X)
12	4/19/2016	299077.79	632551.68

BORINGS COMPLETED BY: WISDOT
REPORT COMPLETED BY: WISDOT
ALL COORDINATES REFERENCED TO WCCS NAD 83(91) SAUK COUNTY



STATE PROJECT NUMBER

1016-02-60

MATERIAL SYMBOLS

ASPHALT, TOPSOIL, PEAT, CONCRETE, FILL, GRAVEL, SAND, CLAY, SILT, BOULDERS OR COBBLES, LIMESTONE, BEDROCK (UNKNOWN), SHALE, SANDSTONE, IGNEOUS/META

LEGEND OF BORING

BORING #/EL.
STA./OFFSET
ST
0.25 (1) 17 (2)
F-C
COBBLE OR BOULDER
WEATHERED LIMESTONE
CORE RUN #1 - 24'-29'
REC=80%, RQD=72%

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GROUND WATER ELEVATION

AT TIME OF DRILLING
END OF DRILLING
AFTER DRILLING

ABBREVIATIONS

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NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE CABLE GUARD

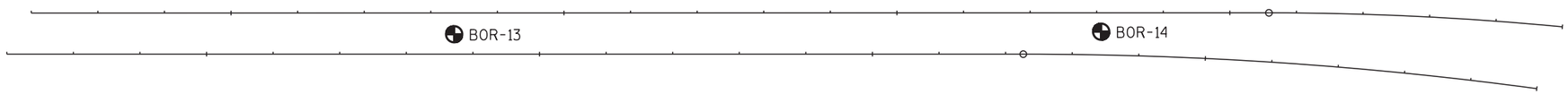
DRAWN BY TLP | PLANS CK'D.

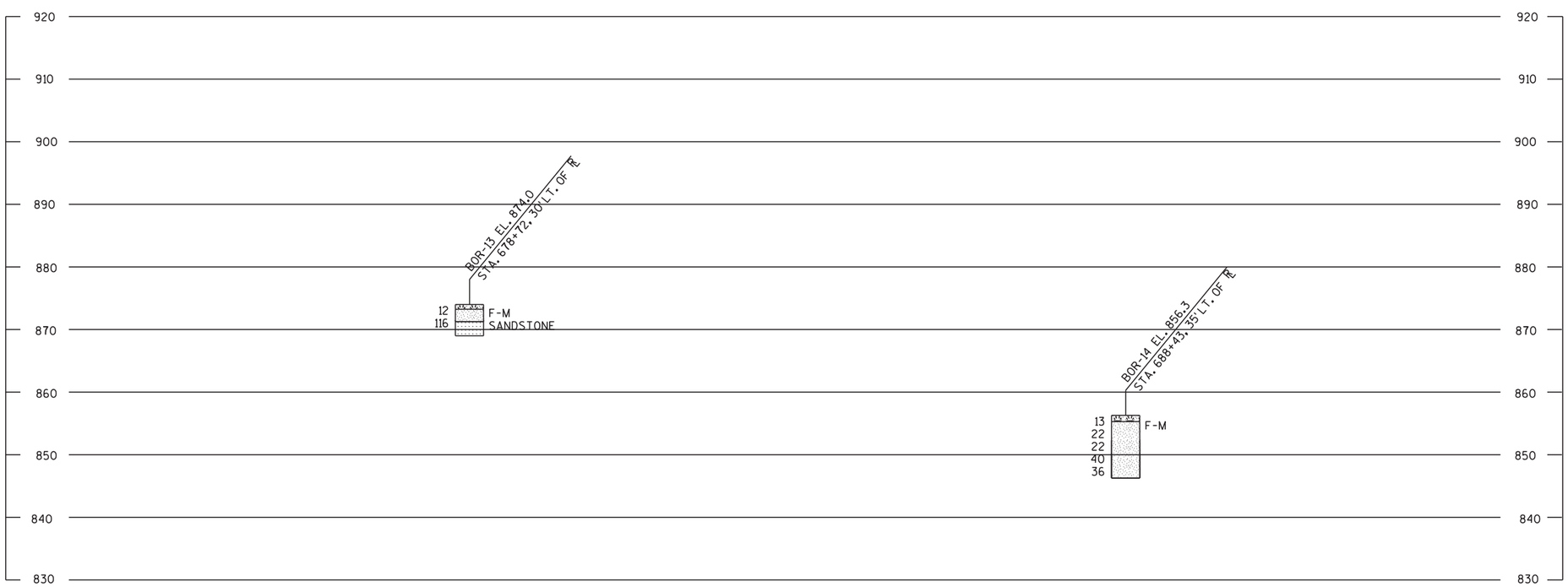
SUBSURFACE EXPLORATION

SHEET 3 OF 26

PROJECT NO:1060-02-60 | HWY:I-90/94 | COUNTY:SAUK | CABLE GUARD BORINGS | SHEET 3 | E

BORING #	DATE COMPLETED	NORTHING (Y)	EASTING (X)
1			
BORINGS COMPLETED BY:			
REPORT COMPLETED BY:			
ALL COORDINATES REFERENCED TO WCCS NAD 83(91)			COUNTY





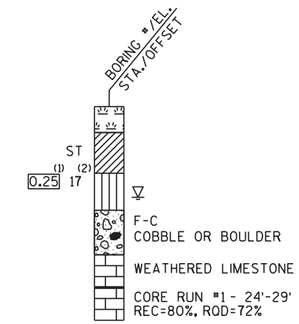
STATE PROJECT NUMBER

1016-02-60

MATERIAL SYMBOLS

ASPHALT	TOPSOIL	PEAT
CONCRETE	FILL	GRAVEL
SAND	CLAY	SILT
BOULDERS OR COBBLES	LIMESTONE	BEDROCK (UNKNOWN)
SHALE	SANDSTONE	IGNEOUS/ META

LEGEND OF BORING



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STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE CABLE GUARD

DRAWN BY TLP | PLANS CK'D.

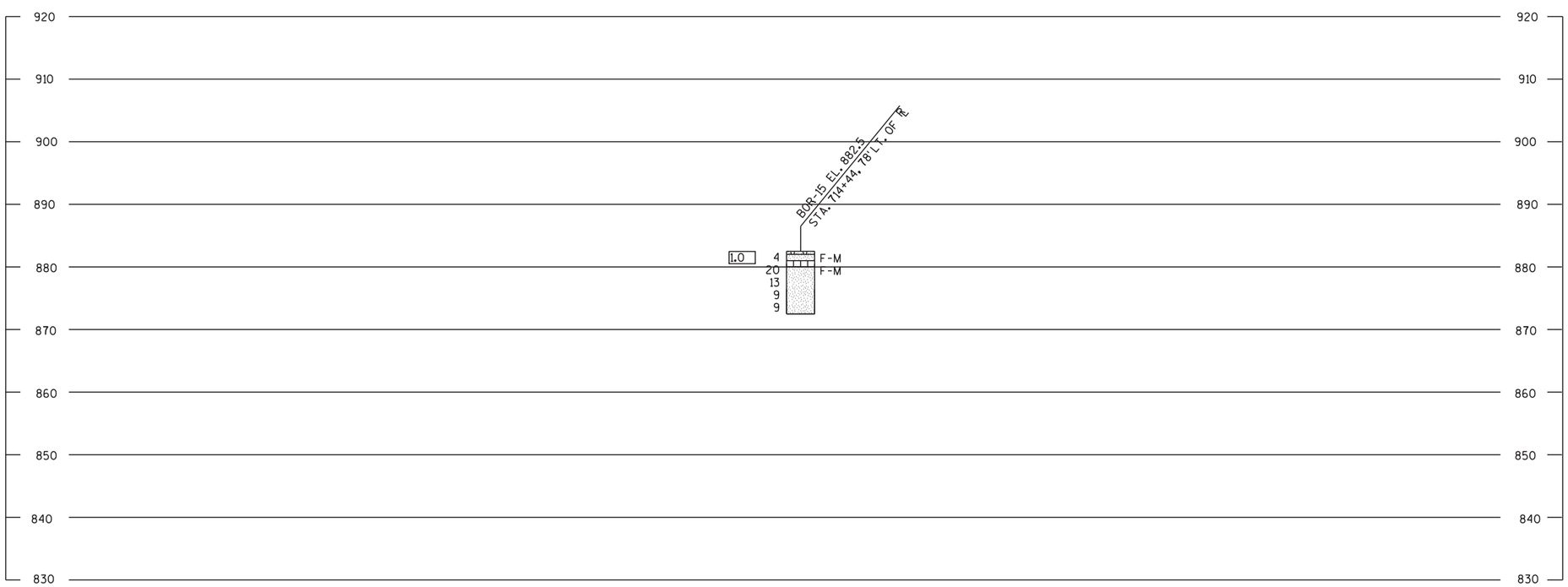
SUBSURFACE EXPLORATION

SHEET 4 OF 26

PROJECT NO:1016-02-60	HWY:I-90/94	COUNTY:SAUK	CABLE GUARD BORINGS	SHEET 4	E

BORING #	DATE COMPLETED	NORTHING (Y)	EASTING (X)
15	4/19/2016	291740.70	634383.60

BORINGS COMPLETED BY: WISDOT
REPORT COMPLETED BY: WISDOT
ALL COORDINATES REFERENCED TO WCCS NAD 83(91) SAUK COUNTY



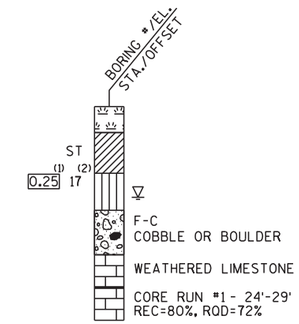
STATE PROJECT NUMBER

1016-02-60

MATERIAL SYMBOLS

ASPHALT, TOPSOIL, PEAT, CONCRETE, FILL, GRAVEL, SAND, CLAY, SILT, BOULDERS OR COBBLES, LIMESTONE, BEDROCK (UNKNOWN), SHALE, SANDSTONE, IGNEOUS/META

LEGEND OF BORING



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STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE CABLE GUARD

DRAWN BY TLP | PLANS CK'D.

SUBSURFACE EXPLORATION

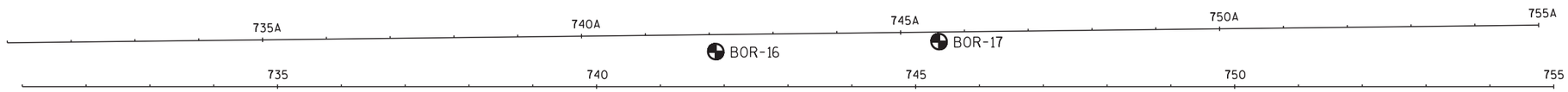
SHEET 5 OF 26

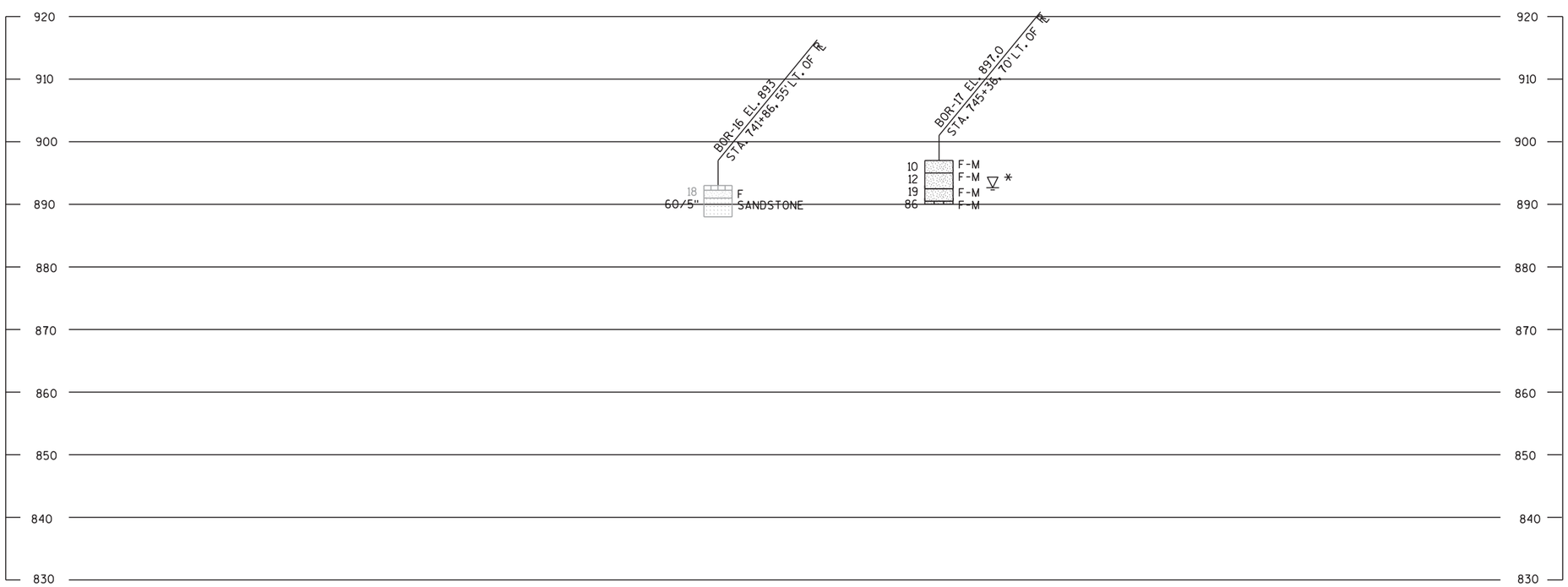
55

PROJECT NO:1016-02-60	HWY:I-90/94	COUNTY:SAUK	CABLE GUARD BORINGS	SHEET 5	E

BORING #	DATE COMPLETED	NORTHING (Y)	EASTING (X)
16	4/19/2016	289095.79	633625.90
17	4/19/2016	288756.12	633540.27

BORINGS COMPLETED BY: WISDOT
REPORT COMPLETED BY: WISDOT
ALL COORDINATES REFERENCED TO WCCS NAD 83(91) SAUK COUNTY





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STATE PROJECT NUMBER

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MATERIAL SYMBOLS

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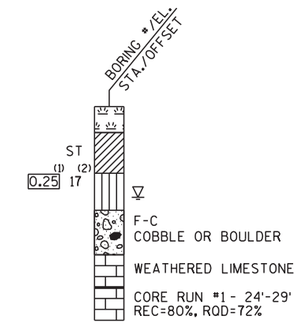
LEGEND OF BORING



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STRUCTURES DESIGN SECTION

STRUCTURE CABLE GUARD

DRAWN BY TLP | PLANS CK'D.

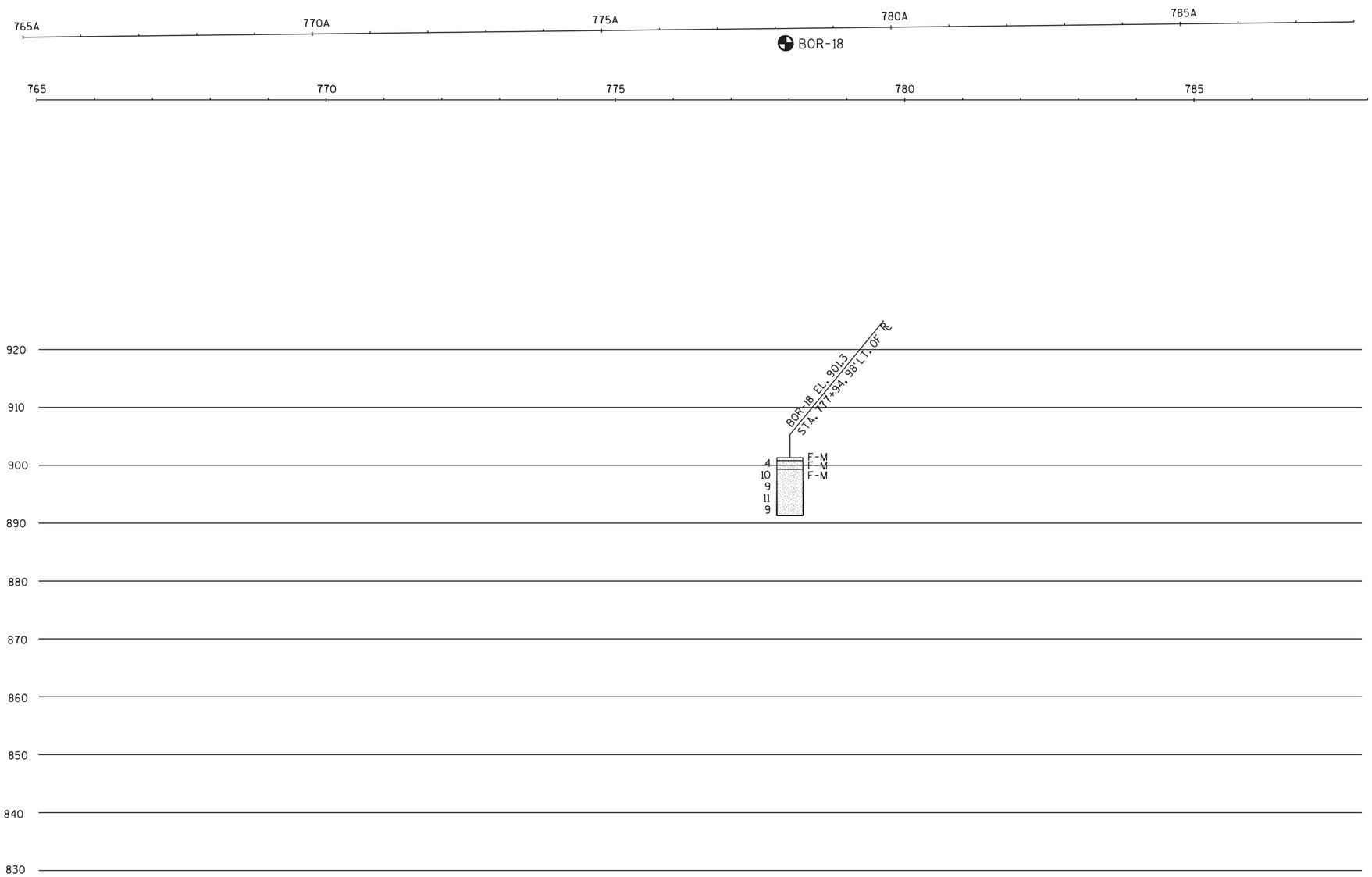
SUBSURFACE EXPLORATION

SHEET 6 OF 26

PROJECT NO:1016-02-60	HWY:I-90/94	COUNTY:SAUK	CABLE GUARD BORINGS	SHEET 6	E

BORING #	DATE COMPLETED	NORTHING (Y)	EASTING (X)
18	4/19/2016	285628.54	632629.01

BORINGS COMPLETED BY: WISDOT
REPORT COMPLETED BY: WISDOT
ALL COORDINATES REFERENCED TO WCCS NAD 83(91) SAUK COUNTY



STATE PROJECT NUMBER

1016-02-60

MATERIAL SYMBOLS

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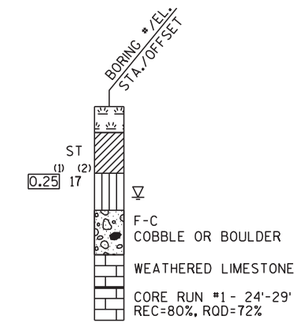

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(2) UNLESS OTHERWISE, SPECIFIED THE SPT 'N' VALUE IS BASED ON AASHTO T-206, STANDARD PENETRATION TEST. THE SPT 'N' VALUE PRESENTED HAS NOT BEEN CORRECTED FOR OVERBURDEN PRESSURE OR HAMMER EFFICIENCY.

GROUND WATER ELEVATION

- AT TIME OF DRILLING
- END OF DRILLING
- AFTER DRILLING

ABBREVIATIONS

F-FINE M-MEDIUM C-COARSE ST-SHELBY TUBE

SUBSURFACE EXPLORATION FOR FOUNDATION DESIGN AND BIDDERS INFORMATION

BORINGS WERE COMPLETED AT POINTS APPROXIMATELY AS INDICATED ON THIS DRAWING TO OBTAIN INFORMATION CONCERNING THE CHARACTER OF SUBSURFACE MATERIALS FOUND AT THE SITE. BECAUSE THE INVESTIGATED DEPTHS ARE LIMITED AND THE AREA OF THE BORINGS IS VERY SMALL IN RELATION TO THE ENTIRE SITE, THE WISCONSIN DEPARTMENT OF TRANSPORTATION DOES NOT WARRANT SIMILAR SUBSURFACE CONDITIONS BELOW, BETWEEN, OR BEYOND THESE BORINGS. VARIATIONS IN SOIL CONDITIONS SHOULD BE EXPECTED AND FLUCTUATIONS IN GROUNDWATER LEVELS MAY OCCUR.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE CABLE GUARD

DRAWN BY TLP | PLANS CK'D.

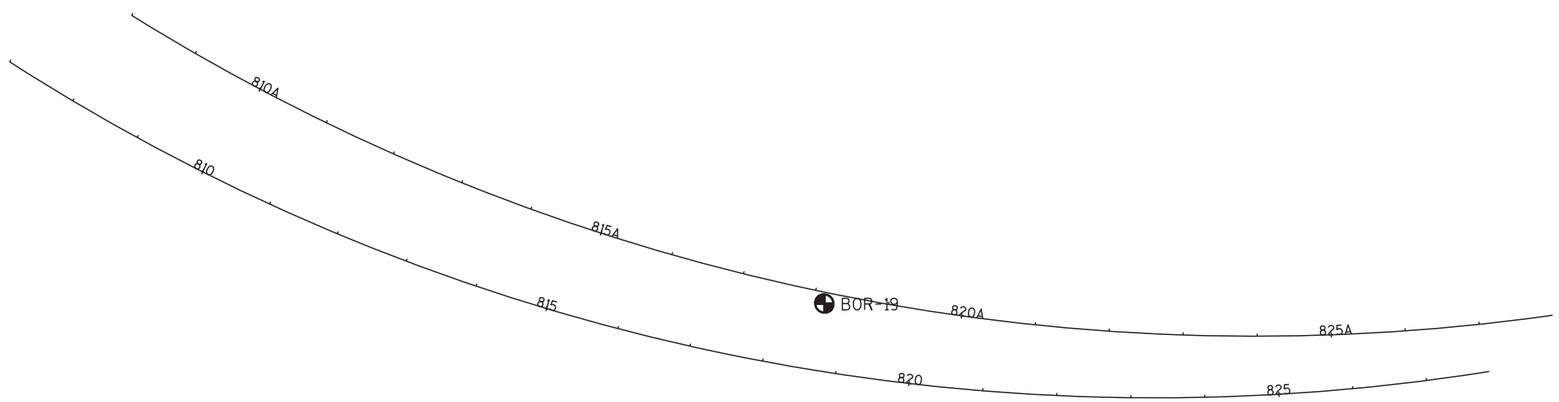
SUBSURFACE EXPLORATION

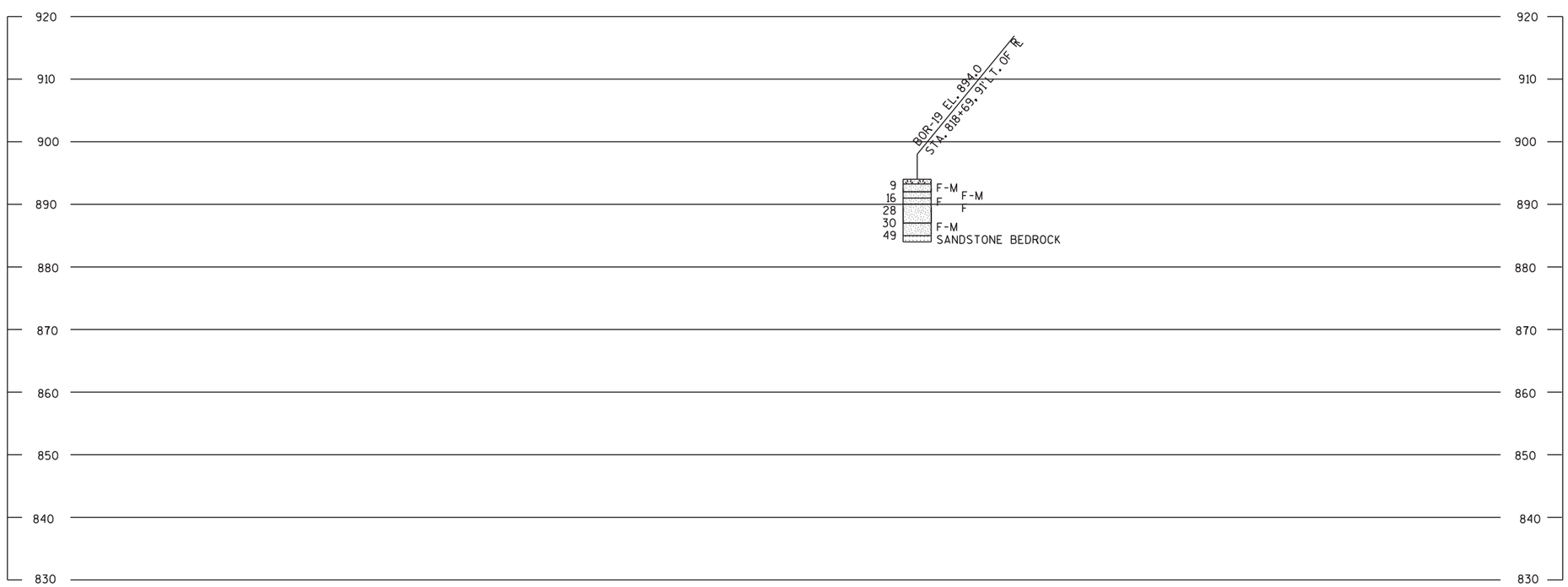
SHEET 7 OF 26

PROJECT NO:1016-02-60 | **HWY:I-90/94** | **COUNTY:SAUK** | **CABLE GUARD BORINGS** | **SHEET 7** | E

BORING #	DATE COMPLETED	NORTHING (Y)	EASTING (X)
19	4/19/2016	281734.52	631962.86

BORINGS COMPLETED BY: WISDOT
REPORT COMPLETED BY: WISDOT
ALL COORDINATES REFERENCED TO WCCS NAD 83(91) SAUK COUNTY





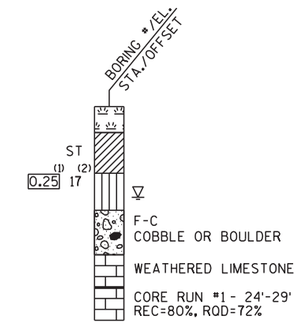
STATE PROJECT NUMBER

1016-02-60

MATERIAL SYMBOLS

ASPHALT, TOPSOIL, PEAT, CONCRETE, FILL, GRAVEL, SAND, CLAY, SILT, BOULDERS OR COBBLES, LIMESTONE, BEDROCK (UNKNOWN), SHALE, SANDSTONE, IGNEOUS/ META

LEGEND OF BORING



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- END OF DRILLING
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ABBREVIATIONS

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SUBSURFACE EXPLORATION FOR FOUNDATION DESIGN AND BIDDERS INFORMATION

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NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE CABLE GUARD

DRAWN BY TLP | PLANS CK'D.

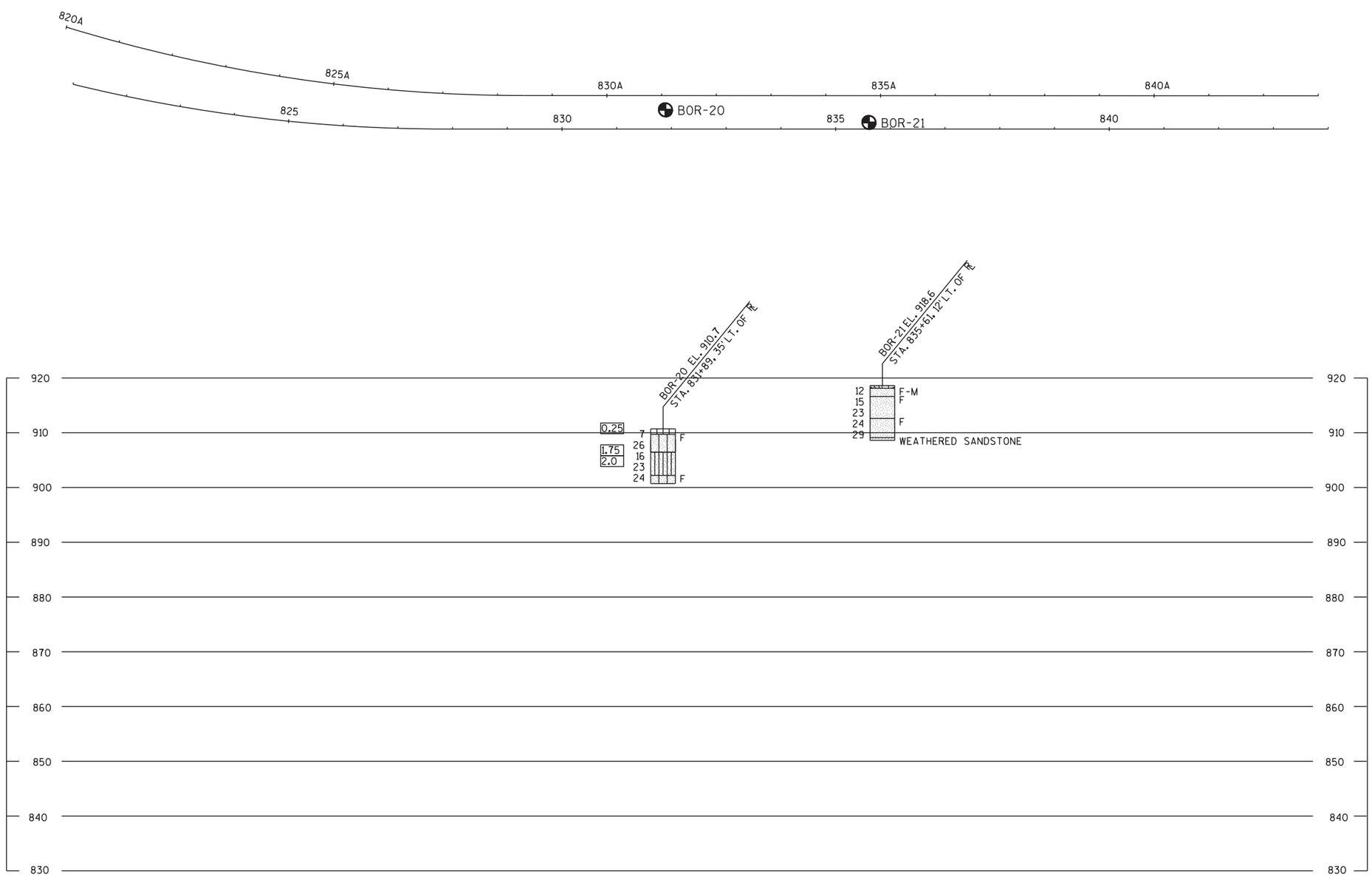
SUBSURFACE EXPLORATION

SHEET 8 OF 26

PROJECT NO:1016-02-60 | **HWY:I-90/94** | **COUNTY:SAUK** | **CABLE GUARD BORINGS** | **SHEET 8** | E

BORING #	DATE COMPLETED	NORTHING (Y)	EASTING (X)
20	4/19/2016	2280589.00	632556.49
21	4/20/2016	280275.19	632757.34

BORINGS COMPLETED BY: WISDOT
REPORT COMPLETED BY: WISDOT
ALL COORDINATES REFERENCED TO WCCS NAD 83(91) SAUK COUNTY



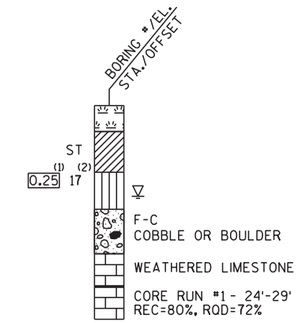
STATE PROJECT NUMBER

1016-02-60

MATERIAL SYMBOLS

ASPHALT, TOPSOIL, PEAT, CONCRETE, FILL, GRAVEL, SAND, CLAY, SILT, BOULDERS OR COBBLES, LIMESTONE, BEDROCK (UNKNOWN), SHALE, SANDSTONE, IGNEOUS/META

LEGEND OF BORING



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GROUND WATER ELEVATION

- AT TIME OF DRILLING
- END OF DRILLING
- AFTER DRILLING

ABBREVIATIONS

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SUBSURFACE EXPLORATION FOR FOUNDATION DESIGN AND BIDDERS INFORMATION

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NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE CABLE GUARD

DRAWN BY TLP | PLANS CK'D.

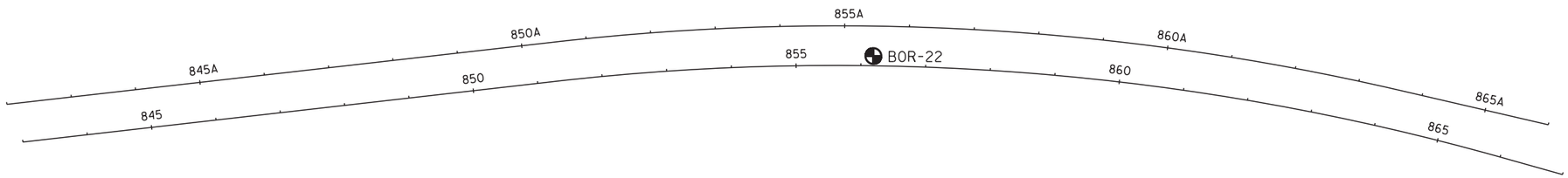
SUBSURFACE EXPLORATION

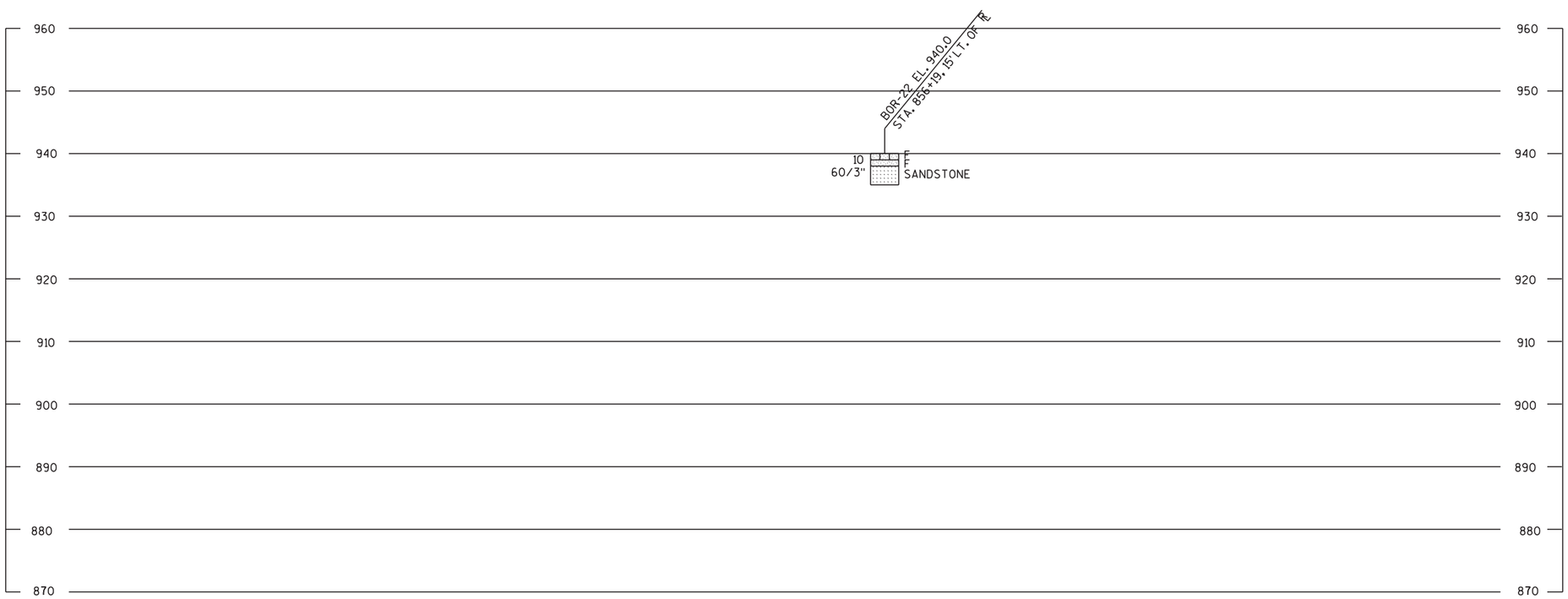
SHEET 9 OF 26

PROJECT NO:1016-02-60	HWY:I-90/94	COUNTY:SAUK	CABLE GUARD BORINGS	SHEET 9	E

BORING #	DATE COMPLETED	NORTHING (Y)	EASTING (X)
22	4/20/2016	278595.98	633948.85

BORINGS COMPLETED BY: WISDOT
REPORT COMPLETED BY: WISDOT
ALL COORDINATES REFERENCED TO WCCS NAD 83(91) SAUK COUNTY





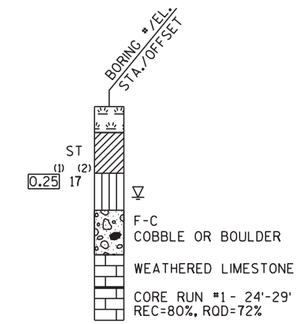
STATE PROJECT NUMBER

1016-02-60

MATERIAL SYMBOLS

ASPHALT, TOPSOIL, PEAT, CONCRETE, FILL, GRAVEL, SAND, CLAY, SILT, BOULDERS OR COBBLES, LIMESTONE, BEDROCK (UNKNOWN), SHALE, SANDSTONE, IGNEOUS/META

LEGEND OF BORING



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GROUND WATER ELEVATION

- AT TIME OF DRILLING
- END OF DRILLING
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ABBREVIATIONS

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NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE CABLE GUARD

DRAWN BY TLP | PLANS CK'D.

SUBSURFACE EXPLORATION

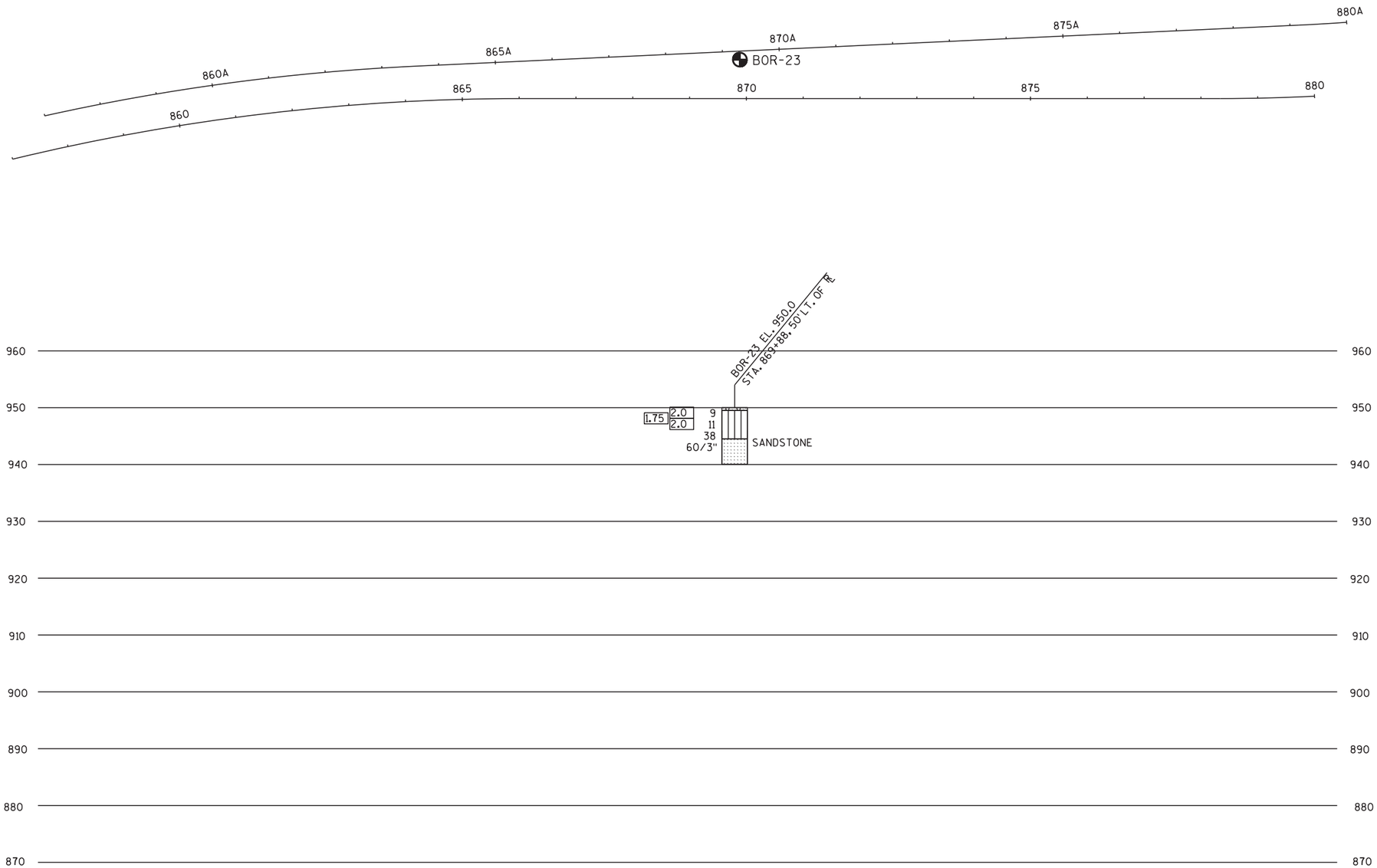
SHEET 10 OF 26

60

PROJECT NO:1016-02-60 | **HWY:I-90/94** | **COUNTY:SAUK** | **CABLE GUARD BORINGS** | **SHEET 10** | E

BORING #	DATE COMPLETED	NORTHING (Y)	EASTING (X)
23	4/19/2016	277317.12	634451.62

BORINGS COMPLETED BY: WISDOT
REPORT COMPLETED BY: WISDOT
ALL COORDINATES REFERENCED TO WCCS NAD 83(91) SAUK COUNTY



STATE PROJECT NUMBER

1016-02-60

MATERIAL SYMBOLS

ASPHALT, TOPSOIL, PEAT, CONCRETE, FILL, GRAVEL, SAND, CLAY, SILT, BOULDERS OR COBBLES, LIMESTONE, BEDROCK (UNKNOWN), SHALE, SANDSTONE, IGNEOUS/META

LEGEND OF BORING

BORING #/EL.
STA./OFFSET
ST
0.25 (1) 17 (2)
F-C
COBBLE OR BOULDER
WEATHERED LIMESTONE
CORE RUN #1 - 24'-29'
REC=80%, RQD=72%

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GROUND WATER ELEVATION

AT TIME OF DRILLING
END OF DRILLING
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ABBREVIATIONS

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SUBSURFACE EXPLORATION FOR FOUNDATION DESIGN AND BIDDERS INFORMATION

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STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE CABLE GUARD

DRAWN BY TLP | PLANS CK'D.

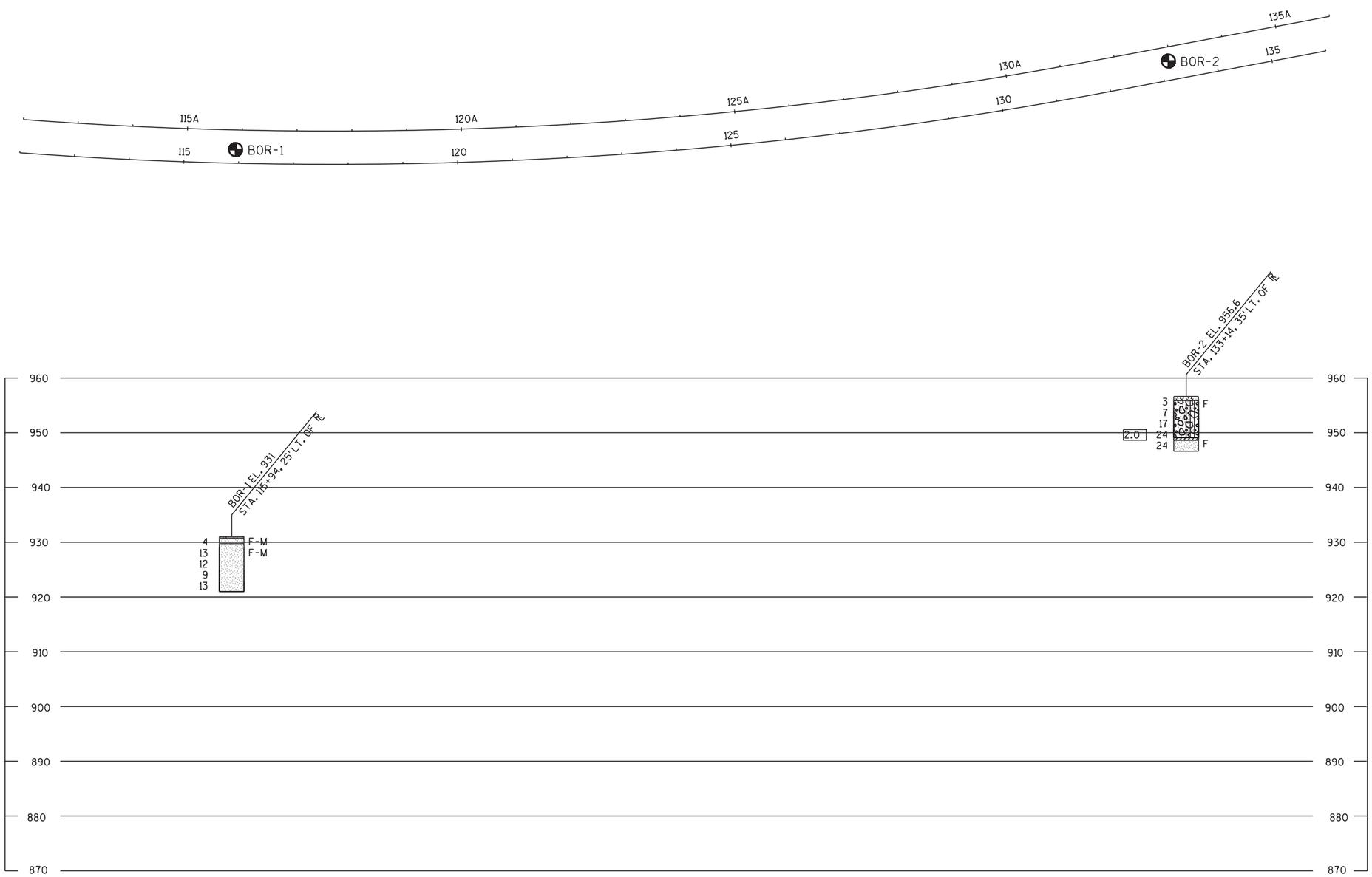
SUBSURFACE EXPLORATION

SHEET 11 OF 26

PROJECT NO:1016-02-60	HWY:I-90/94	COUNTY:SAUK	CABLE GUARD BORINGS	SHEET 11	E

BORING #	DATE COMPLETED	NORTHING (Y)	EASTING (X)
1	4/20/2016	204418.80	409897.84
2	4/20/2016	203670.85	411436.17

BORINGS COMPLETED BY: WISDOT
REPORT COMPLETED BY: WISDOT
ALL COORDINATES REFERENCED TO WCCS NAD 83(91) JUNEAU COUNTY



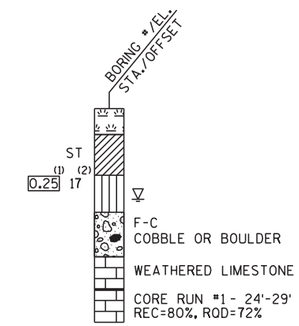
STATE PROJECT NUMBER

1016-02-60

MATERIAL SYMBOLS

ASPHALT, TOPSOIL, PEAT, CONCRETE, FILL, GRAVEL, SAND, CLAY, SILT, BOULDERS OR COBBLES, LIMESTONE, BEDROCK (UNKNOWN), SHALE, SANDSTONE, IGNEOUS/META

LEGEND OF BORING



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GROUND WATER ELEVATION

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SUBSURFACE EXPLORATION FOR FOUNDATION DESIGN AND BIDDERS INFORMATION

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NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE CABLE GUARD

DRAWN BY TLP | PLANS CK'D.

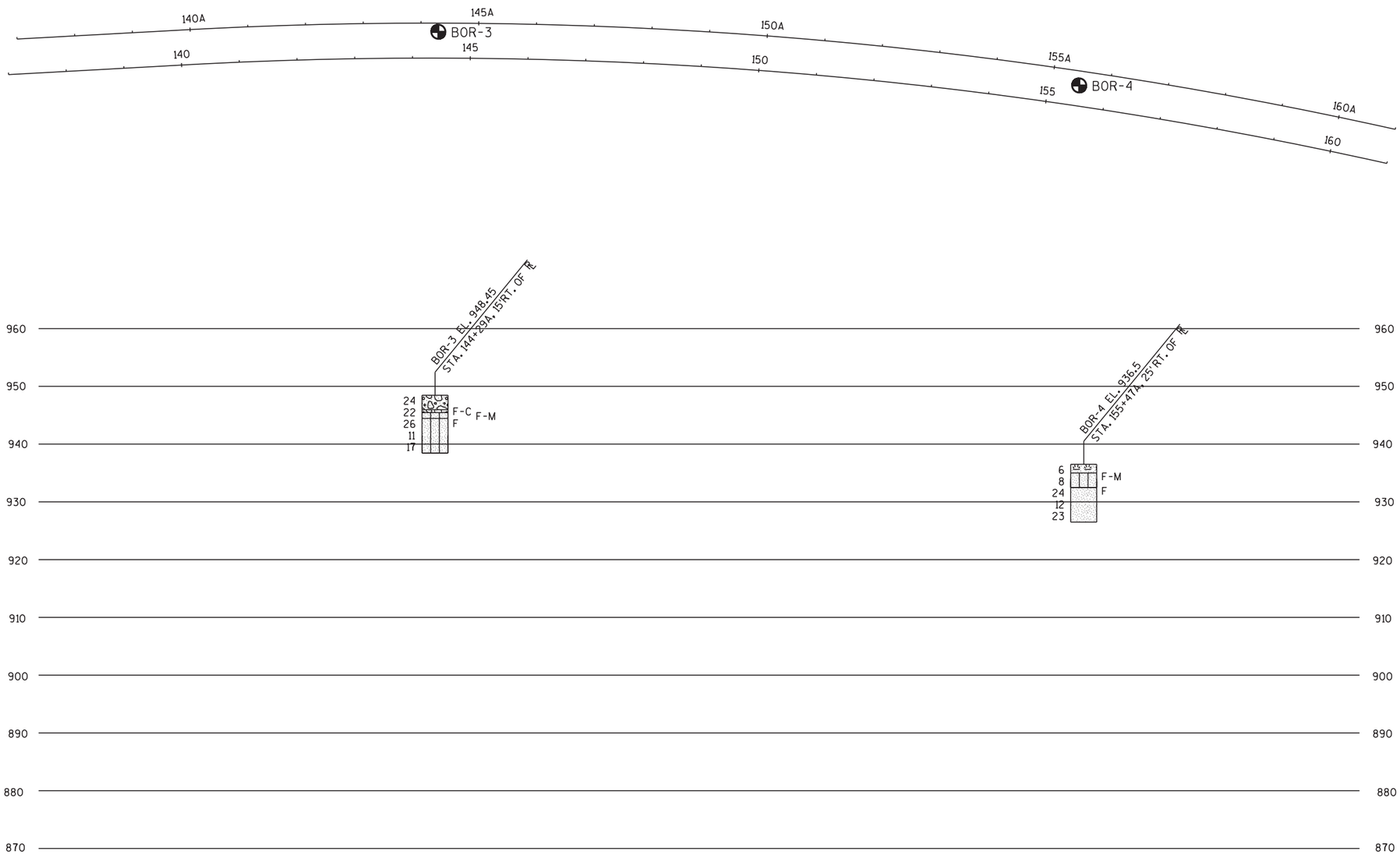
SUBSURFACE EXPLORATION

SHEET 21 OF 26

PROJECT NO:1016-02-60	HWY:I-90/94	COUNTY:JUNEAU	CABLE GUARD BORINGS	SHEET 21	E

BORING #	DATE COMPLETED	NORTHING (Y)	EASTING (X)
3	4/20/2016	203268.81	412495.21
4	4/20/2016	202735.25	413472.27

BORINGS COMPLETED BY: WISDOT
REPORT COMPLETED BY: WISDOT
ALL COORDINATES REFERENCED TO WCCS NAD 83(91) JUNEAU COUNTY



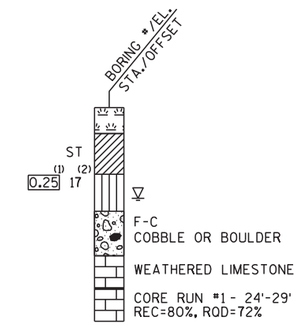
STATE PROJECT NUMBER

1016-02-60

MATERIAL SYMBOLS

ASPHALT, TOPSOIL, PEAT, CONCRETE, FILL, GRAVEL, SAND, CLAY, SILT, BOULDERS OR COBBLES, LIMESTONE, BEDROCK (UNKNOWN), SHALE, SANDSTONE, IGNEOUS/META

LEGEND OF BORING



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NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE CABLE GUARD

DRAWN BY TLP | PLANS CK'D.

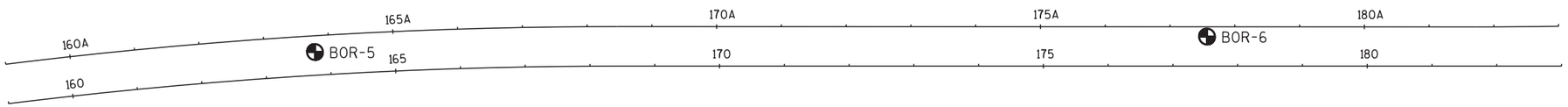
SUBSURFACE EXPLORATION

SHEET 22 OF 26

PROJECT NO:1016-02-60	HWY:I-90/94	COUNTY:JUNEAU	CABLE GUARD BORINGS	SHEET 22	E

BORING #	DATE COMPLETED	NORTHING (Y)	EASTING (X)
5	4/20/2016	202255.82	414147.13
6	4/20/2016	201352.54	415187.13

BORINGS COMPLETED BY: WISDOT
REPORT COMPLETED BY: WISDOT
ALL COORDINATES REFERENCED TO WCCS NAD 83(91) JUNEAU COUNTY



* THE GROUND WATER ELEVATION WAS DETERMINED FROM WHERE THE SOIL SAMPLE WAS DESCRIBED AS WET.

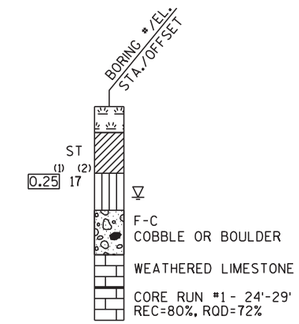
STATE PROJECT NUMBER

1016-02-60

MATERIAL SYMBOLS

ASPHALT, TOPSOIL, PEAT, CONCRETE, FILL, GRAVEL, SAND, CLAY, SILT, BOULDERS OR COBBLES, LIMESTONE, BEDROCK (UNKNOWN), SHALE, SANDSTONE, IGNEOUS/META

LEGEND OF BORING



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NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE CABLE GUARD

DRAWN BY TLP | PLANS CK'D.

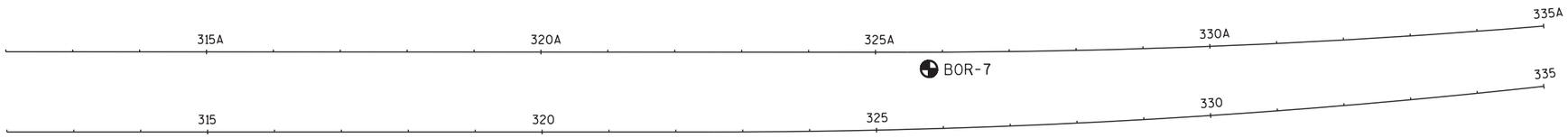
SUBSURFACE EXPLORATION

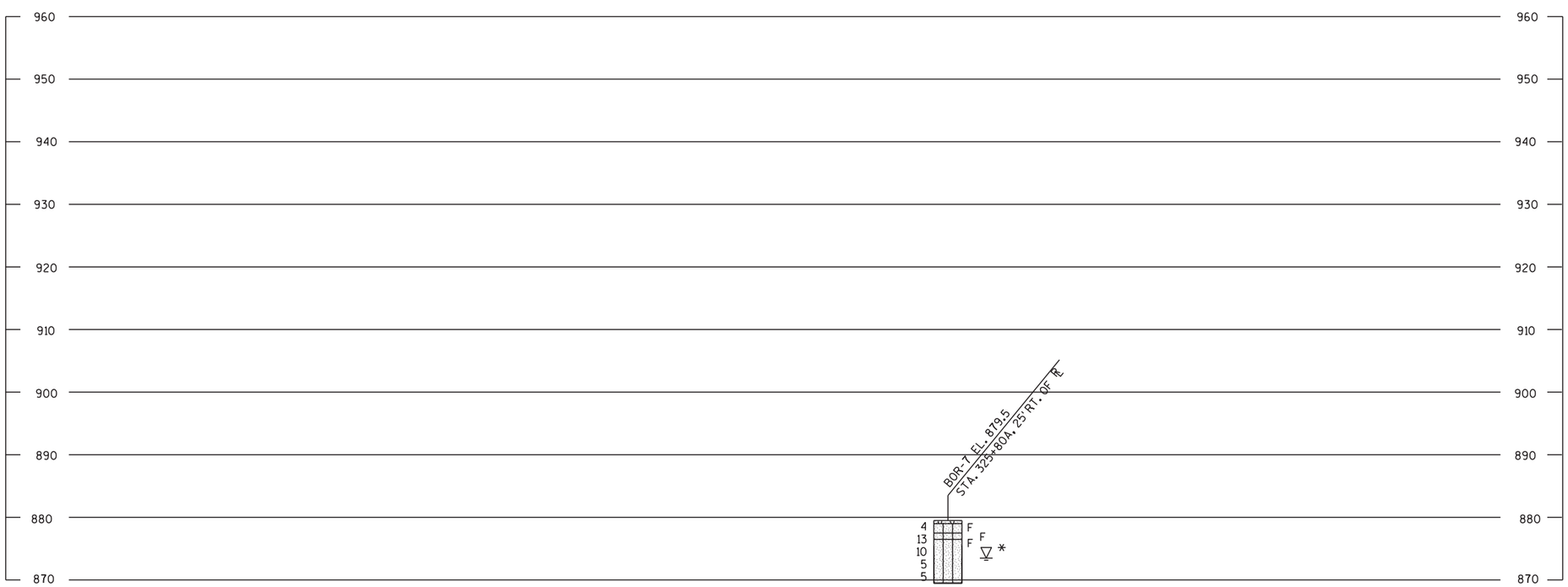
SHEET 23 OF 26

PROJECT NO:1016-02-60	HWY:I-90/94	COUNTY:JUNEAU	CABLE GUARD BORINGS	SHEET 23	E

BORING #	DATE COMPLETED	NORTHING (Y)	EASTING (X)
7	4/20/2016	166688.35	460897.56

BORINGS COMPLETED BY: WISDOT
REPORT COMPLETED BY: WISDOT
ALL COORDINATES REFERENCED TO WCCS NAD 83(91) JUNEAU COUNTY





* THE GROUND WATER ELEVATION WAS DETERMINED FROM WHERE THE SOIL SAMPLE WAS DESCRIBED AS WET.

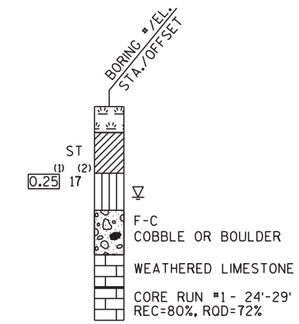
STATE PROJECT NUMBER

1016-02-60

MATERIAL SYMBOLS

ASPHALT, TOPSOIL, PEAT, CONCRETE, FILL, GRAVEL, SAND, CLAY, SILT, BOULDERS OR COBBLES, LIMESTONE, BEDROCK (UNKNOWN), SHALE, SANDSTONE, IGNEOUS/META

LEGEND OF BORING



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(2) UNLESS OTHERWISE, SPECIFIED THE SPT 'N' VALUE IS BASED ON AASHTO T-206, STANDARD PENETRATION TEST. THE SPT 'N' VALUE PRESENTED HAS NOT BEEN CORRECTED FOR OVERBURDEN PRESSURE OR HAMMER EFFICIENCY.

GROUND WATER ELEVATION

- AT TIME OF DRILLING
- END OF DRILLING
- AFTER DRILLING

ABBREVIATIONS

F-FINE M-MEDIUM C-COARSE ST-SHELBY TUBE

SUBSURFACE EXPLORATION FOR FOUNDATION DESIGN AND BIDDERS INFORMATION

BORINGS WERE COMPLETED AT POINTS APPROXIMATELY AS INDICATED ON THIS DRAWING TO OBTAIN INFORMATION CONCERNING THE CHARACTER OF SUBSURFACE MATERIALS FOUND AT THE SITE. BECAUSE THE INVESTIGATED DEPTHS ARE LIMITED AND THE AREA OF THE BORINGS IS VERY SMALL IN RELATION TO THE ENTIRE SITE, THE WISCONSIN DEPARTMENT OF TRANSPORTATION DOES NOT WARRANT SIMILAR SUBSURFACE CONDITIONS BELOW, BETWEEN, OR BEYOND THESE BORINGS. VARIATIONS IN SOIL CONDITIONS SHOULD BE EXPECTED AND FLUCTUATIONS IN GROUNDWATER LEVELS MAY OCCUR.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE CABLE GUARD

DRAWN BY TLP | PLANS CK'D.

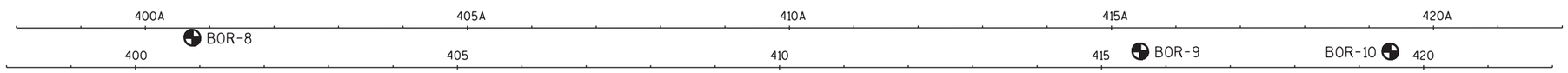
SUBSURFACE EXPLORATION

SHEET 24 OF 26

PROJECT NO:1016-02-60	HWY:I-90/94	COUNTY:JUNEAU	CABLE GUARD BORINGS	SHEET 24	E

BORING #	DATE COMPLETED	NORTHING (Y)	EASTING (X)
8	4/20/2016	160607.11	465266.05
9	4/20/2016	159421.24	466137.50
10	4/20/2016	159111.59	466371.74

BORINGS COMPLETED BY: WISDOT
REPORT COMPLETED BY: WISDOT
ALL COORDINATES REFERENCED TO WCCS NAD 83(91) JUNEAU COUNTY



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STATE PROJECT NUMBER

1016-02-60

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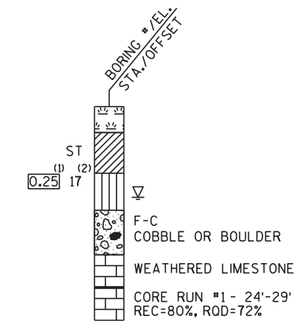

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NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE CABLE GUARD

DRAWN BY TLP | PLANS CK'D.

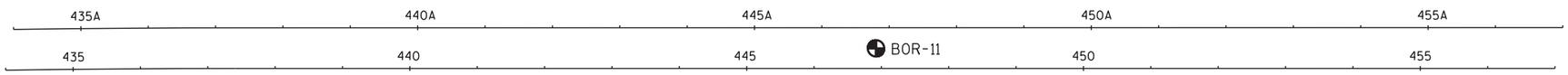
SUBSURFACE EXPLORATION

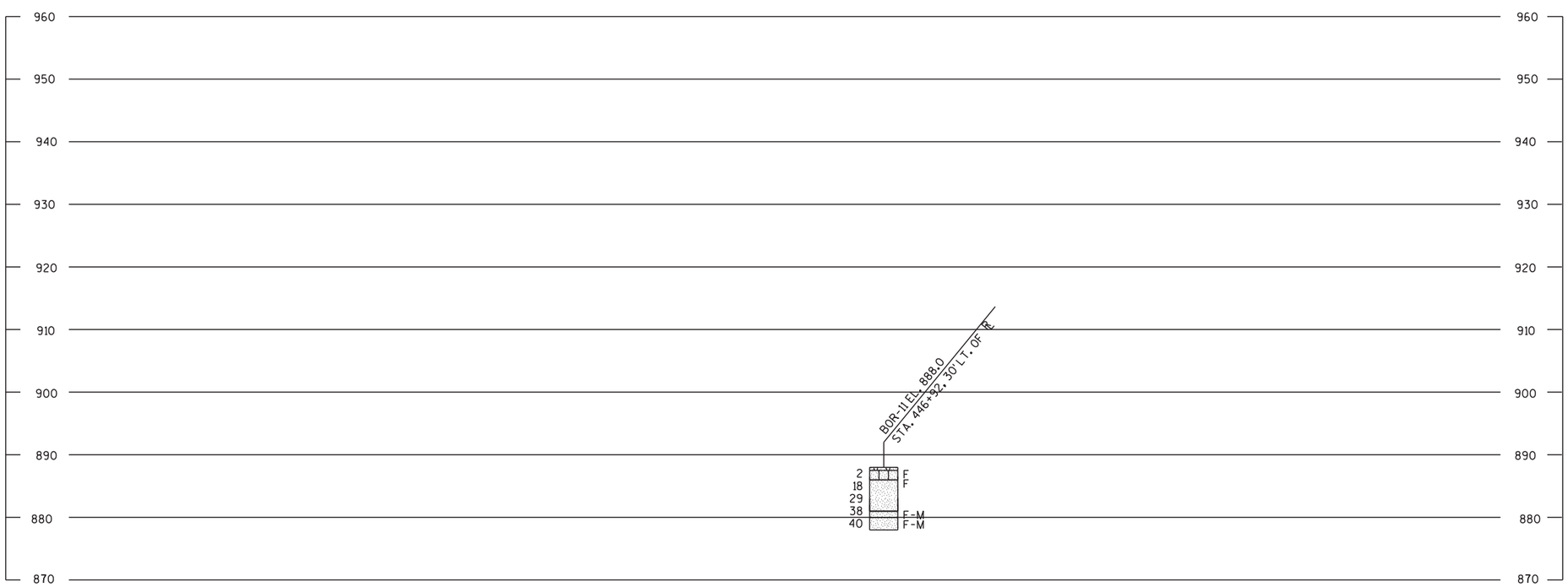
SHEET 25 OF 26

PROJECT NO:1016-02-60	HWY:I-90/94	COUNTY:JUNEAU	CABLE GUARD BORINGS	SHEET 25	E

BORING #	DATE COMPLETED	NORTHING (Y)	EASTING (X)
11	4/20/2016	156866.07	467949.88

BORINGS COMPLETED BY: WISDOT
REPORT COMPLETED BY: WISDOT
ALL COORDINATES REFERENCED TO WCCS NAD 83(91) JUNEAU COUNTY





STATE PROJECT NUMBER

1016-02-60

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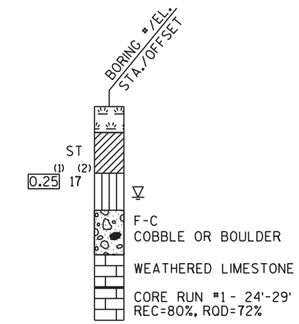

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STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE CABLE GUARD

DRAWN BY TLP | PLANS CK'D.

SUBSURFACE EXPLORATION

SHEET 26 OF 26

PROJECT NO:1016-02-60	HWY:I-90/94	COUNTY:JUNEAU	CABLE GUARD BORINGS	SHEET 26	E

3

DATE 26AUG16 E S T I M A T E O F Q U A N T I T I E S

LINE NUMBER	ITEM	ITEM DESCRIPTION	UNIT	TOTAL	1016-02-60 QUANTITY
0020	204.0110	Removing Asphaltic Surface	SY	1,623.000	1,623.000
0030	204.0190	Removing Surface Drains	EACH	1.000	1.000
0040	204.0245	Removing Storm Sewer (size) 01. 18-Inch	LF	12.000	12.000
0050	204.0245	Removing Storm Sewer (size) 02. 30-Inch	LF	12.000	12.000
0060	204.0245	Removing Storm Sewer (size) 03. 36-Inch	LF	16.000	16.000
0070	205.0100	Excavation Common	CY	5,557.000	5,557.000
0080	208.0100	Borrow	CY	20,163.600	20,163.600
0100	213.0100	Finishing Roadway (project) 02. 1016-02-60	EACH	1.000	1.000
0110	305.0110	Base Aggregate Dense 3/4-Inch	TON	274.000	274.000
0120	305.0500	Shaping Shoulders	STA	37.000	37.000
0130	416.0610	Drilled Tie Bars	EACH	6.000	6.000
0150	416.1010	Concrete Surface Drains	CY	5.000	5.000
0160	465.0105	Asphaltic Surface	TON	460.000	460.000
0170	465.0400	Asphaltic Shoulder Rumble Strips	LF	3,400.000	3,400.000
0180	520.8000	Concrete Collars for Pipe	EACH	6.000	6.000
0210	522.0118	Culvert Pipe Reinforced Concrete Class III 18-Inch	LF	6.000	6.000
0220	522.0130	Culvert Pipe Reinforced Concrete Class III 30-Inch	LF	23.000	23.000
0230	522.0136	Culvert Pipe Reinforced Concrete Class III 36-Inch	LF	30.000	30.000
0240	522.1018	Apron Endwalls for Culvert Pipe Reinforced Concrete 18-Inch	EACH	1.000	1.000
0320	606.0100	Riprap Light	CY	1.000	1.000
0340	611.0642	Inlet Covers Type MS	EACH	9.000	9.000
0350	611.3902	Inlets Median 2 Grate	EACH	2.000	2.000
0360	612.0206	Pipe Underdrain Unperforated 6-Inch	LF	148.000	148.000
0370	612.0806	Apron Endwalls for Underdrain Reinforced Concrete 6-Inch	EACH	55.000	55.000
0380	613.1100.S	Cable Barrier Type 1	LF	75,256.000	75,256.000
0390	613.1200.S	Cable Barrier End Terminal Type 1	EACH	48.000	48.000
0400	614.0200	Steel Thrie Beam Structure Approach	LF	41.200	41.200
0410	614.0305	Steel Plate Beam Guard Class A	LF	3,350.000	3,350.000
0420	614.0370	Steel Plate Beam Guard Energy Absorbing Terminal	EACH	1.000	1.000
0430	614.0925	Salvaged Guardrail End Treatments	EACH	5.000	5.000
0450	618.0100	Maintenance And Repair of Haul Roads (project) 01. 1016-02-60	EACH	1.000	1.000
0460	619.1000	Mobilization	EACH	0.200	0.200
0470	625.0500	Salvaged Topsoil	SY	112,504.000	112,504.000
0480	627.0200	Mulching	SY	19,361.000	19,361.000
0490	628.1504	Silt Fence	LF	2,621.000	2,621.000
0500	628.1520	Silt Fence Maintenance	LF	2,621.000	2,621.000
0510	628.1905	Mobilizations Erosion Control	EACH	10.000	10.000
0520	628.1910	Mobilizations Emergency Erosion Control	EACH	6.000	6.000
0530	628.2004	Erosion Mat Class I Type B	SY	112,509.000	112,509.000
0540	628.7005	Inlet Protection Type A	EACH	67.000	67.000
0550	628.7504	Temporary Ditch Checks	LF	1,635.000	1,635.000
0560	628.7555	Culvert Pipe Checks	EACH	38.000	38.000
0570	629.0210	Fertilizer Type B	CWT	96.200	96.200
0580	630.0130	Seeding Mixture No. 30	LB	2,998.800	2,998.800
0590	630.0200	Seeding Temporary	LB	900.000	900.000
0600	630.0300	Seeding Borrow Pit	LB	261.400	261.400
0620	638.2102	Moving Signs Type II	EACH	23.000	23.000

3

DATE 26AUG16 E S T I M A T E O F Q U A N T I T I E S

LINE NUMBER	ITEM	ITEM DESCRIPTION	UNIT	TOTAL	1016-02-60 QUANTITY
0640	643.0100	Traffic Control (project) 01. 1016-02-60	EACH	1.000	1.000
0660	643.0300	Traffic Control Drums	DAY	8,564.000	8,564.000
0670	643.0420	Traffic Control Barricades Type III	DAY	394.000	394.000
0680	643.0705	Traffic Control Warning Lights Type A	DAY	788.000	788.000
0690	643.0715	Traffic Control Warning Lights Type C	DAY	1,264.000	1,264.000
0700	643.0800	Traffic Control Arrow Boards	DAY	187.000	187.000
0710	643.0900	Traffic Control Signs	DAY	1,416.000	1,416.000
0720	643.1000	Traffic Control Signs Fixed Message	SF	93.500	93.500
0750	645.0130	Geotextile Type R	SY	5.300	5.300
0780	650.6000	Construction Staking Pipe Culverts	EACH	3.000	3.000
0790	650.9910	Construction Staking Supplemental Control (project) 01. 1016-02-60	LS	1.000	1.000
0800	650.9920	Construction Staking Slope Stakes	LF	36,597.000	36,597.000
0810	690.0150	Sawing Asphalt	LF	35.500	35.500
0820	690.0250	Sawing Concrete	LF	25.000	25.000
0830	ASP.1T0A	On-the-Job Training Apprentice at $5.00/HR	HRS	1,200.000	1,200.000
0840	ASP.1T0G	On-the-Job Training Graduate at $5.00/HR	HRS	1,600.000	1,600.000
0860	SPV.0060	Special 01. Inlet Median 5 Grate 10:1	EACH	1.000	1.000
0870	SPV.0060	Special 02. Salvage Apron Endwall For Underdrain Reinforced Concrete 6-Inch	EACH	19.000	19.000

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ASPHALT SHOULDER SUMMARY

CAT.	STATION	TO	STATION	LOCATION	204.0110 REMOVING ASPHALTIC SURFACE SY	305.0500 SHAPING SHOULDERS STA	465.0105 ASPHALTIC SURFACE TON	465.0400 ASPHALTIC SHOULDER RUMBLE STRIPS LF	REMARKS
0010	692+35A	-	695+95A	IH 90/94 WB	190	4	59	360	
0010	701+32A	-	715+61A	IH 90/94 WB	658	15	188	1429	
0010	878+22A	-	890+04A	IH 90/94 WB	552	13	155	1182	
0010	895+56A	-	899+85A	IH 90/94 WB	223	5	58	429	
				TOTAL 0010	1623	37	460	3400	

3

SURFACE DRAIN SUMMARY

CAT.	STATION	TO	STATION	LOCATION	204.0190 REMOVING SURFACE DRAINS EACH	416.0610 DRILLED TIE BARS EACH	416.1010 CONCRETE SURFACE DRAINS CY	606.0100 RIPRAP LIGHT CY	645.0130 GEOTEXTILE FABRIC TYPE R SY	REMARKS
0010	695+94A	-	696+12A	IH 90/94 WB	1	6	5	1	5.3	
				TOTAL 0010	1	6	5	1	5.3	

CULVERT SUMMARY

CAT.	STATION	LOCATION	204.0245.01 REMOVING STORM SEWER (18-INCH) LF	204.0245.02 REMOVING STORM SEWER (30-INCH) LF	204.0245.03 REMOVING STORM SEWER (36-INCH) LF	520.8000 CONCRETE COLLARS FOR PIPE EACH	522.0118 CULVERT PIPE REINFORCED CONCRETE CLASS III 18-INCH LF	522.0130 CULVERT PIPE REINFORCED CONCRETE CLASS III 30-INCH LF	522.0136 CULVERT PIPE REINFORCED CONCRETE CLASS III 36-INCH LF	522.1018 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 18-INCH EACH	611.0642 INLET COVERS TYPE MS EACH	611.3902 INLETS MEDIAN 2 GRATE EACH	SPV.0060.01 INLET MEDIAN 5 GRATE 10:1 EACH	REMARKS
0010	334+45A	IH 90/94 WB	-	12	-	2	-	23	-	-	2	1	-	NO SLOPE
0010	347+68A	IH 90/94 WB	6	-	-	1	4	-	-	-	5	-	1	-
0010	410+69	IH 90/94 EB	6	-	-	1	2	-	-	1	-	-	-	-
0010	769+66A	IH 90/94 WB	-	-	16	2	-	-	30	-	2	1	-	NO SLOPE
		TOTAL 0010	12	12	16	6	6	23	30	1	9	2	1	

3

EARTHWORK SUMMARY

Division	From/To Station	Location	Common Excavation (1) Cut (2)	(item # 205.0100) EBS Excavation (3)	Salvaged/Unusable Pavement Material (4)	Available Material (5)	Unexpanded Fill	Expanded Fill (13) Factor 1.25	Mass Ordinate +/- (14)	Waste	Borrow (item #208.0100)	Comment:
Division 1												
	115+88 - 133+14	IH 90/94 EB	5	0	0	5	290	363	-358			
	144+24A - 155+53A	IH 90/94 WB	5	0	0	5	747	934	-929			
	161+88A - 177+63A	IH 90/94 WB	14	0	0	14	992	1,240	-1,226			
	325+27A - 400+85A	IH 90/94 WB	837	0	0	837	3,710	4,638	-3,801			
	401+59 - 415+59	IH 90/94 EB	8	0	0	8	407	509	-501			
	419+37 - 447+22	IH 90/94 EB	15	0	0	15	340	425	-410			
	638+34 - 678+79	IH 90/94 EB	12	0	0	12	982	1,228	-1,216			
	679+28A - 688+26A	IH 90/94 WB	0	0	0	0	388	485	-485			
	692+30A - 696+13A	IH 90/94 WB	1	0	0	1	0	0	1			
	701+32A - 742+16A	IH 90/94 WB	23	0	0	23	244	305	-282			
	745+60A - 778+25A	IH 90/94 WB	35	0	0	35	7,385	9,231	-9,196			
	818+09A - 831+28A	IH 90/94 WB	20	0	0	20	119	149	-129			
	835+55 - 856+25	IH 90/94 EB	1	0	0	1	337	421	-420			
	856+26A - 869+55A	IH 90/94 WB	1	0	0	1	308	385	-384			
	878+22A - 890+22A	IH 90/94 WB	1	0	0	1	0	0	1			
	903+20 - 937+61	IH 90/94 EB	7	0	0	7	2,657	3,321	-3,314			
	938+34 - 953+49	IH 90/94 EB	1	0	0	1	55	69	-68			
	958+63 - 985+54	IH 90/94 EB	13	0	0	13	133	166	-153			
	1025+43 - 1048+78	IH 90/94 EB	3,901	0	0	3,901	0	0	3,901			
	1461+24A - 1553+36A	IH 90/94 WB	657	0	0	657	16	20	637			
Division 1 Subtotal			5,557	0	0	5,557	19,110	23,888	-18,331			
Undistributed											-1,833	
Grand Total			5,557.0	0.0	0.0	5,557.0	19,110.0	23,887.5	-18,330.5	0.0	20,163.6	
		Total Common Exc		5,557.0								

1) Common Excavation is the sum of the Cut and EBS Excavation columns. Item number 205.0100
2) Salvaged/Unsuable Pavement Material is included in Cut.
3) EBS Excavation to be backfilled with Select Borrow material.
4) Salvaged/Unusable Pavement Material
5) Available Material = Cut - Salvaged/Unusuable Pavement Material
13) Expanded Fill. Factor = 1.25

Depending on selections: **Expanded Fill = (Unexpanded Fill - Rock* Rock Factor - Reduced Marsh - Reduced EBS) * Fill Factor**

Or Expanded Fill = (Unexpanded Fill - Rock* Rock Factor - Reduced EBS) * Fill Factor

Or Expanded Fill = (Unexpanded Fill - Rock* Rock Factor - Reduced Marsh) * Fill Factor

Or Expanded Fill = (Unexpanded Fill - Rock* Rock Factor) * Fill Factor

14) The Mass Ordinate + or - Qty calculated for the Division. Plus quantity indicates an excess of material within the Division. Minus indicates a shortage of material within the Division.

3

BASE AGGREGATE DENSE 3/4-INCH

CAT.	STATION	TO	STATION	LOCATION	305.0110 BASE AGGREGATE DENSE 3/4-INCH TON	REMARKS
0010	694+14A	-	696+13A	IH 90/94 WB	20	
0010	702+00A	-	715+57A	IH 90/94 WB	204	
0010	889+48A	-	890+22A	IH 90/94 WB	50	
				TOTAL 0010	274	

PIPE UNDERDRAIN

CAT.	STATION	TO	STATION	LOCATION	612.0206 PIPE UNDERDRAIN UNPERFORATED 6-INCH LF	612.0806 APRON ENDWALLS FOR UNDERDRAIN REINFORCED CONCRETE 6-INCH EACH	SPV.0060.02 SALVAGE APRON ENDWALL FOR UNDERDRAIN REINFORCED CONCRETE 6-INCH EACH	REMARKS
0010	325+00	-	415+00	Median	60	22	8	
0010	649+00	-	982+00	Median	88	33	11	
				TOTAL 0010	148	55	19	

3

CABLE BARRIER SUMMARY

CAT.	STATION	TO	STATION	LOCATION	613.1100.S CABLE BARRIER TYPE 1 LF	613.1200.S CABLE BARRIER END TERMINAL TYPE 1 EACH	REMARKS
0010	115+94	-	133+14	IH 90/94 EB	1647	2	
0010	144+30A	-	155+47A	IH 90/94 WB	1044	2	
0010	163+78A	-	177+57A	IH 90/94 WB	1306	2	
0010	325+80A	-	400+73A	IH 90/94 WB	7420	2	
0010	401+76	-	415+60	IH 90/94 WB	1311	2	
0010	419+48	-	446+92	IH 90/94 EB	2671	2	
0010	638+40	-	678+71	IH 90/94 EB	3953	2	
0010	679+34A	-	688+07A	IH 90/94 WB	795	2	
0010	714+57A	-	742+10A	IH 90/94 WB	2675	2	
0010	745+60A	-	778+18A	IH 90/94 WB	3180	2	
0010	818+15A	-	831+07A	IH 90/94 WB	1214	2	
0010	835+61	-	856+19	IH 90/94 EB	1980	2	
0010	856+32A	-	869+30A	IH 90/94 WB	1220	2	
0010	903+97	-	937+54	IH 90/94 EB	3279	2	
0010	938+40	-	953+43	IH 90/94 EB	1425	2	
0010	958+69	-	985+48	IH 90/94 EB	2601	2	
0010	984+52A	-	1007+41A	IH 90/94 WB	2211	2	
0010	1026+19	-	1048+72	IH 90/94 EB	2175	2	
0010	1049+50	-	1063+78	IH 90/94 EB	1350	2	
0010	1065+15A	-	1120+63A	IH 90/94 WB	5470	2	
0010	1121+50A	-	1213+14A	IH 90/94 WB	9086	2	
0010	1257+60	-	1269+23	IH 90/94 EB	1085	2	
0010	1269+63A	-	1340+65A	IH 90/94 WB	7024	2	
0010	1461+24A	-	1553+36A	IH 90/94 WB	9134	2	
				TOTAL 0010	75256	48	

BEAM GUARD SUMMARY

CAT.	STATION	TO	STATION	LOCATION	614.0200 STEEL THRIE BEAM STRUCTURE APPROACH LF	614.0305 STEEL PLATE BEAM GUARD CLASS A LF	614.0370 STEEL PLATE BEAM GUARD ENERGY ABSORBING TERMINAL EACH	614.0925 SALVAGED GUARDRAIL END TREATMENTS EACH	REMARKS
0010	692+30A	-	695+93A	IH 90/94 WB	-	362.5	-	1	
0010	695+93A	-	696+13A	IH 90/94 WB	20.6	-	-	-	
0010	701+32A	-	715+07A	IH 90/94 WB	-	1375	-	1	
0010	715+07A	-	715+57A	IH 90/94 WB	-	-	1	-	
0010	878+21A	-	890+21A	IH 90/94 WB	-	1200	-	2	
0010	895+54A	-	899+66A	IH 90/94 WB	-	412.5	-	1	
0010	899+66A	-	899+87A	IH 90/94 WB	20.6	-	-	-	
				TOTAL 0010	41.2	3350.0	1	5	

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LANDSCAPING SUMMARY

CAT.	STATION	TO	STATION	LOCATION	625.0500 SALVAGED TOPSOIL SY	627.0200 MULCHING SY	628.2004 EROSION MAT CLASS I TYPE B SY	629.0210 FERTILIZER TYPE B CWT	630.0130 SEEDING MIXTURE NO. 30 LB	630.0200 SEEDING TEMPORARY LB	630.0300 SEEDING BORROW PIT LB	REMARKS
0010	115+88	-	130+00	IH 90/94 EB	3052	-	3052	2.4	69.1	-	-	
0010	144+24A	-	155+53A	IH 90/94 WB	3265	-	3265	2.5	70.1	-	-	
0010	161+88A	-	177+50A	IH 90/94 WB	5049	-	5050	3.7	106.5	-	-	
0010	325+27A	-	400+85A	IH 90/94 WB	19225	-	19225	14.3	409.5	-	-	
0010	401+59	-	415+59	IH 90/94 EB	3495	-	3496	2.7	76.9	-	-	
0010	419+37	-	447+22	IH 90/94 EB	4638	-	4639	3.9	109.9	-	-	
0010	650+00	-	678+79	IH 90/94 EB	11566	-	11566	8.3	237.0	-	-	
0010	680+68A	-	688+26A	IH 90/94 WB	2393	-	2394	1.8	50.7	-	-	
0010	701+32A	-	740+55A	IH 90/94 WB	4818	-	4818	3.9	110.0	-	-	
0010	746+50A	-	778+25A	IH 90/94 WB	16626	-	16626	11.6	331.0	-	-	
0010	818+50A	-	831+28A	IH 90/94 WB	2094	-	2094	1.7	48.5	-	-	
0010	835+55	-	856+25	IH 90/94 EB	3176	-	3176	2.4	67.7	-	-	
0010	856+48A	-	869+55A	IH 90/94 WB	2989	-	2989	2.3	66.4	-	-	
0010	903+20	-	937+61	IH 90/94 EB	11748	-	11748	8.6	245.9	-	-	
0010	938+40	-	951+49	IH 90/94 EB	1149	-	1149	0.9	26.5	-	-	
0010	959+04	-	981+50	IH 90/94 EB	2305	-	2305	1.9	53.1	-	-	
0010	1025+43	-	1048+78	IH 90/94 EB	11079	-	11079	7.7	221.3	-	-	
0010	1535+00A	-	1550+00A	IH 90/94 WB	3838	-	3838	3.5	99.1	-	-	
0010	UNDISTRIBUTED			IH 90/94	-	-	-	-	599.7	900.0	-	
0010	BORROW PIT			IH 90/94	-	19361	-	12.2	-	-	261.4	
				TOTAL 0010	112504	19361	112509	96.2	2998.8	900.0	261.4	

EROSION CONTROL MOBILIZATION

CAT.	STATION	LOCATION	628.1905 MOBILIZATIONS EROSION CONTROL EACH	628.1910 MOBILIZATIONS EMERGENCY EROSION CONTROL EACH	REMARKS
0010	PROJECT	IH 90/94	10	6	
		TOTAL 0010	10	6	

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EROSION CONTROL

CAT.	STATION	TO	STATION	LOCATION	628.1504 SILT FENCE LF	628.1520 SILT FENCE MAINTENANCE LF	628.7005 INLET PROTECTION TYPE A EACH	628.7504 TEMPORARY DITCH CHECKS LF	628.7555 CULVERT PIPE CHECKS EACH	REMARKS
0010	115+94	-	-	IH 90/94 LT	-	-	-	-	2	
0010	124+24	-	-	IH 90/94 LT	-	-	-	-	2	
0010	126+27	-	-	IH 90/94 LT	-	-	-	15	-	
0010	128+30	-	-	IH 90/94 LT	-	-	-	15	-	
0010	145+19	-	-	IH 90/94 LT	-	-	-	15	-	
0010	147+09	-	-	IH 90/94 LT	-	-	-	-	2	
0010	149+14	-	-	IH 90/94 LT	-	-	-	15	-	
0010	151+07	-	-	IH 90/94 LT	-	-	-	15	-	
0010	153+13	-	-	IH 90/94 LT	-	-	-	15	-	
0010	155+22	-	-	IH 90/94 LT	-	-	-	15	-	
0010	156+27	-	-	IH 90/94 LT	-	-	-	-	4	
0010	164+06	-	-	IH 90/94 LT	-	-	-	15	-	
0010	166+06	-	-	IH 90/94 LT	-	-	-	15	-	
0010	168+01	-	-	IH 90/94 LT	-	-	-	15	-	
0010	170+03	-	-	IH 90/94 LT	-	-	-	15	-	
0010	172+02	-	-	IH 90/94 LT	-	-	-	15	-	
0010	174+01	-	-	IH 90/94 LT	-	-	-	15	-	
0010	176+03	-	-	IH 90/94 LT	-	-	-	15	-	
0010	177+69	-	-	IH 90/94 LT	-	-	-	-	1	
0010	325+17	-	-	IH 90/94 LT	-	-	-	15	-	
0010	327+29	-	-	IH 90/94 LT	-	-	-	15	-	
0010	332+12	-	-	IH 90/94 LT	-	-	-	15	-	
0010	334+52	-	-	IH 90/94 LT	-	-	1	-	-	
0010	336+09	-	-	IH 90/94 LT	-	-	-	15	-	
0010	338+13	-	-	IH 90/94 LT	-	-	-	15	-	
0010	340+06	-	-	IH 90/94 LT	-	-	-	15	-	
0010	343+85	-	-	IH 90/94 LT	-	-	-	15	-	
0010	345+85	-	-	IH 90/94 LT	-	-	-	15	-	
0010	347+70	-	-	IH 90/94 LT	-	-	1	-	-	
0010	350+05	-	-	IH 90/94 LT	-	-	-	15	-	
0010	352+12	-	-	IH 90/94 LT	-	-	-	15	-	
0010	354+13	-	-	IH 90/94 LT	-	-	-	15	-	
0010	356+13	-	-	IH 90/94 LT	-	-	-	15	-	
0010	358+07	-	-	IH 90/94 LT	-	-	-	15	-	
0010	360+10	-	-	IH 90/94 LT	-	-	-	15	-	
0010	362+09	-	-	IH 90/94 LT	-	-	-	15	-	
0010	364+09	-	-	IH 90/94 LT	-	-	-	15	-	
0010	371+69	-	-	IH 90/94 LT	-	-	-	-	2	
0010	377+68	-	-	IH 90/94 LT	-	-	1	-	-	
0010	390+68	-	-	IH 90/94 LT	-	-	-	-	2	
				SUBTOTAL	0	0	3	450	15	

EROSION CONTROL CONTINUED

CAT.	STATION	TO	STATION	LOCATION	628.1504 SILT FENCE LF	628.1504 SILT FENCE MAINTENANCE LF	628.7005 INLET PROTECTION TYPE A EACH	628.7504 TEMPORARY DITCH CHECKS LF	628.7555 CULVERT PIPE CHECKS EACH	REMARKS
0010	393+91	-	399+75	IH 90/94 LT	584	584	-	-	-	
0010	403+67	-	-	IH 90/94 LT	-	-	-	-	2	
0010	406+01	-	-	IH 90/94 LT	-	-	-	15	-	
0010	407+98	-	-	IH 90/94 LT	-	-	-	15	-	
0010	410+67	-	-	IH 90/94 LT	-	-	-	-	2	
0010	411+48	-	-	IH 90/94 LT	-	-	-	15	-	
0010	413+45	-	-	IH 90/94 LT	-	-	-	15	-	
0010	418+68	-	-	IH 90/94 LT	-	-	-	-	2	
0010	420+78	-	-	IH 90/94 LT	-	-	-	15	-	
0010	422+82	-	-	IH 90/94 LT	-	-	-	15	-	
0010	428+67	-	-	IH 90/94 LT	-	-	-	-	2	
0010	438+09	-	-	IH 90/94 LT	-	-	-	15	-	
0010	438+70	-	-	IH 90/94 LT	-	-	-	-	2	
0010	446+12	-	-	IH 90/94 LT	-	-	-	15	-	
0010	448+15	-	-	IH 90/94 LT	-	-	-	-	2	
0010	647+88	-	-	IH 90/94 LT	-	-	1	-	-	
0010	653+81	-	-	IH 90/94 LT	-	-	-	15	-	
0010	655+78	-	-	IH 90/94 LT	-	-	-	15	-	
0010	657+84	-	-	IH 90/94 LT	-	-	1	-	-	
0010	660+01	-	-	IH 90/94 LT	-	-	-	15	-	
0010	662+07	-	-	IH 90/94 LT	-	-	-	15	-	
0010	664+01	-	-	IH 90/94 LT	-	-	-	15	-	
0010	666+01	-	-	IH 90/94 LT	-	-	-	15	-	
0010	667+98	-	-	IH 90/94 LT	-	-	1	-	-	
0010	669+01	-	-	IH 90/94 LT	-	-	-	15	-	
0010	671+04	-	-	IH 90/94 LT	-	-	-	15	-	
0010	673+01	-	-	IH 90/94 LT	-	-	-	15	-	
0010	675+08	-	-	IH 90/94 LT	-	-	-	15	-	
0010	677+01	-	-	IH 90/94 LT	-	-	-	15	-	
0010	678+94	-	-	IH 90/94 LT	-	-	1	-	-	
0010	682+41	-	-	IH 90/94 LT	-	-	-	15	-	
0010	684+43	-	-	IH 90/94 LT	-	-	-	15	-	
0010	686+37	-	-	IH 90/94 LT	-	-	-	15	-	
0010	688+92	-	-	IH 90/94 LT	-	-	1	-	-	
0010	692+94	-	-	IH 90/94 LT	-	-	-	-	2	
0010	712+09	-	-	IH 90/94 LT	-	-	1	-	-	
0010	719+53	-	-	IH 90/94 LT	-	-	1	-	-	
0010	723+50	-	-	IH 90/94 LT	-	-	-	15	-	
0010	729+45	-	-	IH 90/94 LT	-	-	1	-	-	
0010	734+96	-	-	IH 90/94 LT	-	-	1	-	-	
				SUBTOTAL	584	584	9	345	14	

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EROSION CONTROL CONTINUED

CAT.	STATION	TO	STATION	LOCATION	628.1504 SILT FENCE LF	628.1504 SILT FENCE MAINTENANCE LF	628.7005 INLET PROTECTION TYPE A EACH	628.7504 TEMPORARY DITCH CHECKS LF	628.7555 CULVERT PIPE CHECKS EACH	REMARKS
0010	747+49	-	-	IH 90/94 LT	-	-	-	15	-	
0010	749+48	-	-	IH 90/94 LT	-	-	-	15	-	
0010	751+58	-	-	IH 90/94 LT	-	-	-	15	-	
0010	753+50	-	-	IH 90/94 LT	-	-	-	15	-	
0010	755+55	-	-	IH 90/94 LT	-	-	-	15	-	
0010	757+45	-	-	IH 90/94 LT	-	-	-	15	-	
0010	759+52	-	-	IH 90/94 LT	-	-	-	15	-	
0010	761+50	-	-	IH 90/94 LT	-	-	-	15	-	
0010	763+64	-	-	IH 90/94 LT	-	-	-	15	-	
0010	765+56	-	-	IH 90/94 LT	-	-	-	15	-	
0010	767+36	-	-	IH 90/94 LT	-	-	-	15	-	
0010	769+43	-	-	IH 90/94 LT	-	-	1	-	-	
0010	771+39	-	-	IH 90/94 LT	-	-	-	15	-	
0010	773+47	-	-	IH 90/94 LT	-	-	-	15	-	
0010	775+48	-	-	IH 90/94 LT	-	-	-	15	-	
0010	818+71	-	-	IH 90/94 LT	-	-	1	-	-	
0010	825+71	-	-	IH 90/94 LT	-	-	-	15	-	
0010	827+79	-	-	IH 90/94 LT	-	-	-	15	-	
0010	829+83	-	-	IH 90/94 LT	-	-	-	15	-	
0010	835+02	-	-	IH 90/94 LT	-	-	1	-	-	
0010	836+99	-	-	IH 90/94 LT	-	-	-	15	-	
0010	838+93	-	-	IH 90/94 LT	-	-	-	15	-	
0010	840+96	-	-	IH 90/94 LT	-	-	-	15	-	
0010	842+95	-	-	IH 90/94 LT	-	-	-	15	-	
0010	844+93	-	-	IH 90/94 LT	-	-	-	15	-	
0010	848+02	-	-	IH 90/94 LT	-	-	1	-	-	
0010	856+99	-	-	IH 90/94 LT	-	-	1	-	-	
0010	860+93	-	-	IH 90/94 LT	-	-	-	15	-	
0010	862+95	-	-	IH 90/94 LT	-	-	-	15	-	
0010	864+95	-	-	IH 90/94 LT	-	-	-	15	-	
0010	866+94	-	-	IH 90/94 LT	-	-	-	15	-	
0010	903+08	-	-	IH 90/94 LT	-	-	-	-	1	
0010	905+06	-	-	IH 90/94 LT	-	-	-	15	-	
0010	906+97	-	-	IH 90/94 LT	-	-	-	15	-	
0010	909+00	-	-	IH 90/94 LT	-	-	-	15	-	
0010	910+98	-	-	IH 90/94 LT	-	-	-	15	-	
0010	912+95	-	-	IH 90/94 LT	-	-	-	15	-	
0010	916+97	-	-	IH 90/94 LT	-	-	-	15	-	
0010	919+02	-	-	IH 90/94 LT	-	-	-	15	-	
0010	921+04	-	-	IH 90/94 LT	-	-	-	15	-	
				SUBTOTAL	0	0	5	510	1	

EROSION CONTROL CONTINUED

CAT.	STATION	TO	STATION	LOCATION	628.1504 SILT FENCE LF	628.1504 SILT FENCE MAINTENANCE LF	628.7005 INLET PROTECTION TYPE A EACH	628.7504 TEMPORARY DITCH CHECKS LF	628.7555 CULVERT PIPE CHECKS EACH	REMARKS
0010	923+05	-	-	IH 90/94 LT	-	-	-	15	-	
0010	925+08	-	-	IH 90/94 LT	-	-	-	15	-	
0010	926+98	-	-	IH 90/94 LT	-	-	1	-	-	
0010	928+97	-	-	IH 90/94 LT	-	-	-	15	-	
0010	930+96	-	-	IH 90/94 LT	-	-	-	15	-	
0010	933+02	-	-	IH 90/94 LT	-	-	-	15	-	
0010	935+02	-	-	IH 90/94 LT	-	-	-	15	-	
0010	937+69	-	-	IH 90/94 LT	-	-	1	-	-	
0010	939+62	-	-	IH 90/94 LT	-	-	-	15	-	
0010	941+41	-	-	IH 90/94 LT	-	-	-	-	3	
0010	949+97	-	-	IH 90/94 LT	-	-	-	15	-	
0010	957+93	-	-	IH 90/94 LT	-	-	1	-	-	
0010	959+93	-	-	IH 90/94 LT	-	-	-	15	-	
0010	962+00	-	-	IH 90/94 LT	-	-	-	15	-	
0010	963+91	-	-	IH 90/94 LT	-	-	-	15	-	
0010	965+88	-	-	IH 90/94 LT	-	-	-	15	-	
0010	967+41	-	-	IH 90/94 LT	-	-	-	-	2	
0010	977+44	-	-	IH 90/94 LT	-	-	1	-	-	
0010	977+75	-	981+60	IH 90/94 LT	385	385	-	-	-	
0010	998+53	-	-	IH 90/94 LT	-	-	1	-	-	
0010	1010+50	-	-	IH 90/94 LT	-	-	-	-	3	
0010	1025+58	-	1037+73	IH 90/94 LT	1215	1215				
0010	1030+63	-	-	IH 90/94 LT	-	-	1	-	-	
0010	1036+23	-	-	IH 90/94 LT	-	-	1	-	-	
0010	1039+14	-	-	IH 90/94 LT	-	-	-	15	-	
0010	1041+08	-	-	IH 90/94 LT	-	-	-	15	-	
0010	1043+17	-	-	IH 90/94 LT	-	-	-	15	-	
0010	1045+07	-	-	IH 90/94 LT	-	-	-	15	-	
0010	1047+01	-	-	IH 90/94 LT	-	-	-	15	-	
0010	1049+06	-	-	IH 90/94 LT	-	-	1	-	-	
0010	1052+41	-	-	IH 90/94 LT	-	-	1	-	-	
0010	1066+66	-	-	IH 90/94 LT	-	-	1	-	-	
0010	1074+44	-	-	IH 90/94 LT	-	-	1	-	-	
0010	1096+50	-	-	IH 90/94 LT	-	-	1	-	-	
0010	1108+45	-	-	IH 90/94 LT	-	-	1	-	-	
0010	1119+14	-	-	IH 90/94 LT	-	-	1	-	-	
0010	1122+94	-	-	IH 90/94 LT	-	-	1	-	-	
0010	1133+43	-	-	IH 90/94 LT	-	-	1	-	-	
0010	1153+44	-	-	IH 90/94 LT	-	-	1	-	-	
0010	1163+45	-	-	IH 90/94 LT	-	-	1	-	-	
				SUBTOTAL	1600	1600	18	255	8	

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EROSION CONTROL CONTINUED

CAT.	STATION	TO	STATION	LOCATION	628.1504 SILT FENCE LF	628.1504 SILT FENCE MAINTENANCE LF	628.7005 INLET PROTECTION TYPE A EACH	628.7504 TEMPORARY DITCH CHECKS LF	628.7555 CULVERT PIPE CHECKS EACH	REMARKS
0010	1174+42	-	-	IH 90/94 LT	-	-	1	-	-	
0010	1184+55	-	-	IH 90/94 LT	-	-	1	-	-	
0010	1193+64	-	-	IH 90/94 LT	-	-	1	-	-	
0010	1198+46	-	-	IH 90/94 LT	-	-	1	-	-	
0010	1206+45	-	-	IH 90/94 LT	-	-	1	-	-	
0010	1261+43	-	-	IH 90/94 LT	-	-	1	-	-	
0010	1268+97	-	-	IH 90/94 LT	-	-	1	-	-	
0010	1281+45	-	-	IH 90/94 LT	-	-	1	-	-	
0010	1290+49	-	-	IH 90/94 LT	-	-	1	-	-	
0010	1292+00	-	-	IH 90/94 LT	-	-	1	-	-	
0010	1301+40	-	-	IH 90/94 LT	-	-	1	-	-	
0010	1309+47	-	-	IH 90/94 LT	-	-	1	-	-	
0010	1313+89	-	-	IH 90/94 LT	-	-	1	-	-	
0010	1325+59	-	-	IH 90/94 LT	-	-	1	-	-	
0010	1343+48	-	-	IH 90/94 LT	-	-	1	-	-	
0010	1464+04	-	-	IH 90/94 LT	-	-	1	-	-	
0010	1468+04	-	-	IH 90/94 LT	-	-	1	-	-	
0010	1472+41	-	-	IH 90/94 LT	-	-	1	-	-	
0010	1476+04	-	-	IH 90/94 LT	-	-	1	-	-	
0010	1480+03	-	-	IH 90/94 LT	-	-	1	-	-	
0010	1486+52	-	-	IH 90/94 LT	-	-	1	-	-	
0010	1490+03	-	-	IH 90/94 LT	-	-	1	-	-	
0010	1493+85	-	-	IH 90/94 LT	-	-	1	-	-	
0010	1499+03	-	-	IH 90/94 LT	-	-	1	-	-	
0010	1502+91	-	-	IH 90/94 LT	-	-	1	-	-	
0010	1508+04	-	-	IH 90/94 LT	-	-	1	-	-	
0010	1512+03	-	-	IH 90/94 LT	-	-	1	-	-	
0010	1517+03	-	-	IH 90/94 LT	-	-	1	-	-	
0010	1522+04	-	-	IH 90/94 LT	-	-	1	-	-	
0010	1527+49	-	-	IH 90/94 LT	-	-	1	-	-	
0010	1532+05	-	-	IH 90/94 LT	-	-	1	-	-	
0010	1537+86	-	-	IH 90/94 LT	-	-	-	15	-	
0010	1539+88	-	-	IH 90/94 LT	-	-	-	15	-	
0010	1541+84	-	-	IH 90/94 LT	-	-	-	15	-	
0010	1543+73	-	-	IH 90/94 LT	-	-	-	15	-	
0010	1545+76	-	-	IH 90/94 LT	-	-	-	15	-	
0010	1547+67	-	-	IH 90/94 LT	-	-	1	-	-	
0010	Undistributed			IH 90/94 LT	437	437	-	-	-	
				SUBTOTAL	437	437	32	75	0	
				TOTAL 0010	2621	2621	67	1635	38	

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TRAFFIC CONTROL

CAT.	STATION	TO	STATION	LOCATION	DAYS	TRAFFIC CONTROL DRUMS EACH	643.0300 TRAFFIC CONTROL DRUMS DAY	TRAFFIC CONTROL BARRICADES TYPE III EACH	643.0420 TRAFFIC CONTROL BARRICADES TYPE III DAY	TRAFFIC CONTROL WARNING LIGHTS TYPE A EACH	643.0705 TRAFFIC CONTROL WARNING LIGHTS TYPE A DAY	TRAFFIC CONTROL WARNING LIGHTS TYPE C EACH	643.0715 TRAFFIC CONTROL WARNING LIGHTS TYPE C DAY	TRAFFIC CONTROL ARROW BOARDS EACH	643.0800 TRAFFIC CONTROL ARROW BOARDS DAY	TRAFFIC CONTROL SIGNS EACH	643.0900 TRAFFIC CONTROL SIGNS DAY	643.1000 TRAFFIC CONTROL SIGNS FIXED MESSAGE SF	REMARKS
				JUNEAU NORTH															
0010	BEGINNING OF EB CONSTRUCTION				-	-	-	-	-	-	-	-	-	-	-	-	-	46.75	"WORK ZONES NO HANDHELD PHONES WHILE DRIVING"
0010	47+20	-	139+00	IH 90/94 EB	3	58	174	2	6	4	12	16	48	2	6	12	36	-	EB LANE CLOSURE
0010	123+00	-	175+00	IH 90/94 EB	3	18	54	-	-	-	-	-	-	1	3	8	24	-	EB SHOULDER CLOSURE
0010	139+00A	-	245+80A	IH 90/94 WB	5	73	365	3	15	6	30	16	80	2	10	13	65	-	WB LANE CLOSURE
				JUNEAU SOUTH															
0010	320+00A	-	468+80A	IH 90/94 WB	9	115	1035	6	54	12	108	16	144	2	18	16	144	-	WB LANE CLOSURE
0010	291+00	-	343+00	IH 90/94 EB	9	18	162	-	-	-	-	-	-	1	9	8	72	-	EB SHOULDER CLOSURE
0010	333+20	-	453+00	IH 90/94 EB	5	86	430	4	20	8	40	16	80	2	10	14	70	-	EB LANE CLOSURE
				SAUK															
0010	570+20	-	684+00	IH 90/94 EB	5	80	400	3	15	6	30	16	80	2	10	13	65	-	EB LANE CLOSURE
0010	647+00A	-	715+00A	IH 90/94 WB	5	34	170	-	-	-	-	-	-	1	5	8	40	-	WB SHOULDER CLOSURE
0010	674+00A	-	846+80A	IH 90/94 WB	7	139	973	8	56	16	112	16	112	2	14	18	126	-	WB LANE CLOSURE
0010	646+00	-	693+00	IH 90/94 EB	3	13	39	-	-	-	-	-	-	1	3	8	24	-	EB SHOULDER CLOSURE
0010	724+00	-	781+00	IH 90/94 EB	4	23	92	-	-	-	-	-	-	1	4	8	32	-	EB SHOULDER CLOSURE
0010	813+00A	-	899+80A	IH 90/94 WB	3	53	159	1	3	2	6	16	48	2	6	11	33	-	WB LANE CLOSURE
0010	767+20	-	862+00	IH 90/94 EB	3	61	183	2	6	4	12	16	48	2	6	12	36	-	EB LANE CLOSURE
0010	851+00A	-	967+80A	IH 90/94 WB	4	83	332	4	16	8	32	16	64	2	8	14	56	-	WB LANE CLOSURE
0010	835+20	-	991+00	IH 90/94 EB	6	122	732	7	42	14	84	16	96	2	12	17	102	-	EB LANE CLOSURE
0010	896+00A	-	945+00A	IH 90/94 WB	2	15	30	-	-	-	-	-	-	1	2	8	16	-	WB SHOULDER CLOSURE
0010	979+00A	-	1075+80A	IH 90/94 WB	1	63	63	2	2	4	4	16	16	2	2	12	12	-	WB LANE CLOSURE
0010	957+20	-	1069+00	IH 90/94 EB	5	78	390	3	15	6	30	16	80	2	10	13	65	-	EB LANE CLOSURE
0010	1060+00A	-	1188+80A	IH 90/94 WB	3	95	285	5	15	10	30	16	48	2	6	15	45	-	WB LANE CLOSURE
0010	1116+00A	-	1281+80A	IH 90/94 WB	5	132	660	7	35	14	70	16	80	2	10	17	85	-	WB LANE CLOSURE
0010	1189+20	-	1275+00	IH 90/94 WB	1	52	52	1	1	2	2	16	16	2	2	11	11	-	EB LANE CLOSURE
0010	1264+00A	-	1409+80A	IH 90/94 EB	5	112	560	6	30	12	60	16	80	2	10	16	80	-	WB LANE CLOSURE
				COLUMBIA															
0010	1456+00A	-	1621+80A	IH 90/94 WB	9	132	1188	7	63	14	126	16	144	2	18	17	153	-	WB LANE CLOSURE
0010	1497+00	-	1555+00	IH 90/94 EB	3	12	36	-	-	-	-	-	-	1	3	8	24	-	EB SHOULDER CLOSURE
0010	BEGINNING OF WB CONSTRUCTION				-	-	-	-	-	-	-	-	-	-	-	-	-	46.75	"WORK ZONES NO HANDHELD PHONES WHILE DRIVING"
				TOTAL 0010			8564		394		788		1264		187		1416	93.5	

3

3

CAT.	STATION	TO	STATION	LOCATION	650.6000 CONSTRUCTION STAKING PIPE CULVERTS EACH	650.9920 CONSTRUCTION STAKING SLOPE STAKES LF	REMARKS
0010	115+87	-	130+19	IH 90/94 EB	-	1432	
0010	144+24A	-	155+53A	IH 90/94 WB	-	1129	
0010	161+87A	-	177+50A	IH 90/94 WB	-	1563	
0010	325+27A	-	366+12A	IH 90/94 WB	-	4085	
0010	334+44A		-	IH 90/94 WB	1	-	
0010	347+54A		-	IH 90/94 WB	1	-	
0010	367+06A	-	374+31A	IH 90/94 WB	-	725	
0010	382+46A	-	386+95A	IH 90/94 WB	-	449	
0010	390+09A	-	390+76A	IH 90/94 WB	-	67	
0010	393+82A	-	397+32A	IH 90/94 WB	-	350	
0010	398+28A	-	399+64A	IH 90/94 WB	-	136	
0010	400+57A	-	400+86A	IH 90/94 WB	-	29	
0010	401+58	-	415+60	IH 90/94 EB	-	1402	
0010	419+36	-	432+33	IH 90/94 EB	-	1297	
0010	435+86	-	438+15	IH 90/94 EB	-	229	
0010	438+55	-	439+47	IH 90/94 EB	-	92	
0010	441+75	-	445+74	IH 90/94 EB	-	399	
0010	446+35	-	447+22	IH 90/94 EB	-	87	
0010	649+50	-	678+80	IH 90/94 EB	-	2930	
0010	680+67A	-	688+26A	IH 90/94 WB	-	759	
0010	694+13A	-	695+92A	IH 90/94 WB	-	179	
0010	701+31A	-	715+95A	IH 90/94 WB	-	1464	
0010	716+26A	-	716+69A	IH 90/94 WB	-	43	
0010	718+00A	-	718+85A	IH 90/94 WB	-	85	
0010	719+70A	-	734+91A	IH 90/94 WB	-	1521	
0010	735+28A	-	740+55A	IH 90/94 WB	-	527	
0010	746+50A	-	778+26A	IH 90/94 WB	-	3176	
0010	769+66A		-	IH 90/94 WB	1	-	
0010	818+50A	-	819+06A	IH 90/94 WB	-	56	
0010	821+08A	-	823+20A	IH 90/94 WB	-	212	
0010	824+05A	-	831+28A	IH 90/94 WB	-	723	
0010	835+55	-	847+13	IH 90/94 EB	-	1158	
0010	850+02	-	850+82	IH 90/94 EB	-	80	
0010	855+62	-	856+25	IH 90/94 EB	-	63	
0010	856+47A	-	857+09A	IH 90/94 WB	-	62	
0010	858+21A	-	869+55A	IH 90/94 WB	-	1134	
0010	889+47A	-	890+22A	IH 90/94 WB	-	75	
0010	903+20	-	937+61	IH 90/94 EB	-	3441	
0010	938+40	-	940+84	IH 90/94 EB	-	244	
0010	948+08	-	951+50	IH 90/94 EB	-	342	
0010	959+03	-	966+93	IH 90/94 EB	-	790	
0010	977+81	-	981+50	IH 90/94 EB	-	369	
0010	1025+43	-	1048+79	IH 90/94 EB	-	2336	
0010	1535+58	-	1549+15	IH 90/94 EB	-	1357	
				TOTAL 0010	3	36597	

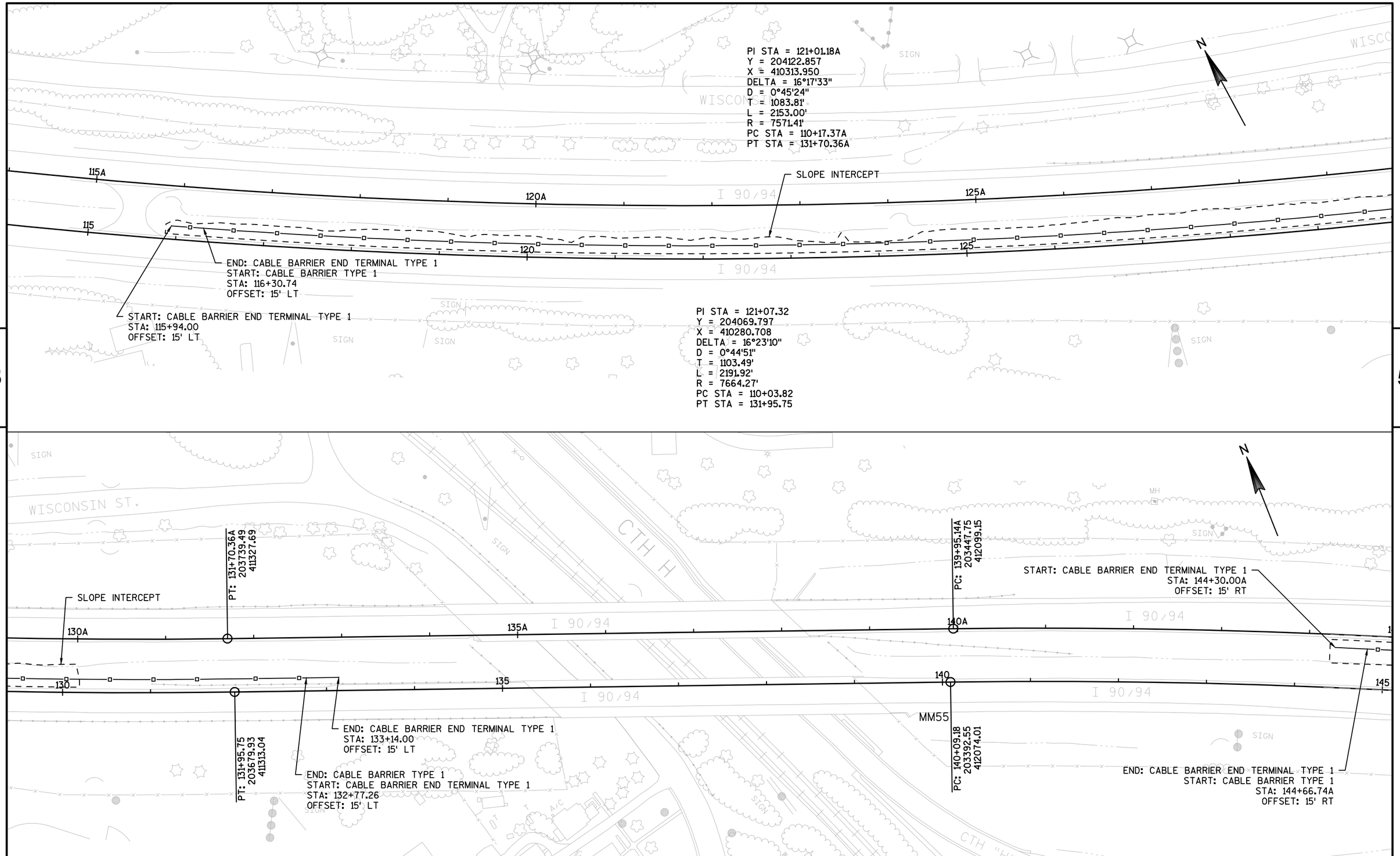
MOVING SIGNS TYPE II

CAT.	STATION	TO	STATION	LOCATION	638.2102 MOVING SIGNS TYPE II EACH	REMARKS
0010	649+50	-	678+79	IH 90/94 EB LT	2	
0010	652+50A	-	676+39A	IH 90/94 WB RT	2	
0010	680+68A	-	688+25A	IH 90/94 WB RT	1	
0010	701+32A	-	740+55A	IH 90/94 WB RT	4	
0010	746+50A	-	778+25A	IH 90/94 WB RT	3	
0010	762+82	-	771+93	IH 90/94 EB LT	1	
0010	818+50A	-	831+27A	IH 90/94 WB RT	1	
0010	835+55	-	856+24	IH 90/94 EB LT	1	
0010	856+47A	-	869+50A	IH 90/94 WB RT	1	
0010	903+20	-	937+60	IH 90/94 EB LT	3	
0010	959+03	-	981+50	IH 90/94 EB LT	2	
0010	1025+43	-	1048+78	IH 90/94 EB LT	2	
				TOTAL 0010	23	

3

SAWING SUMMARY

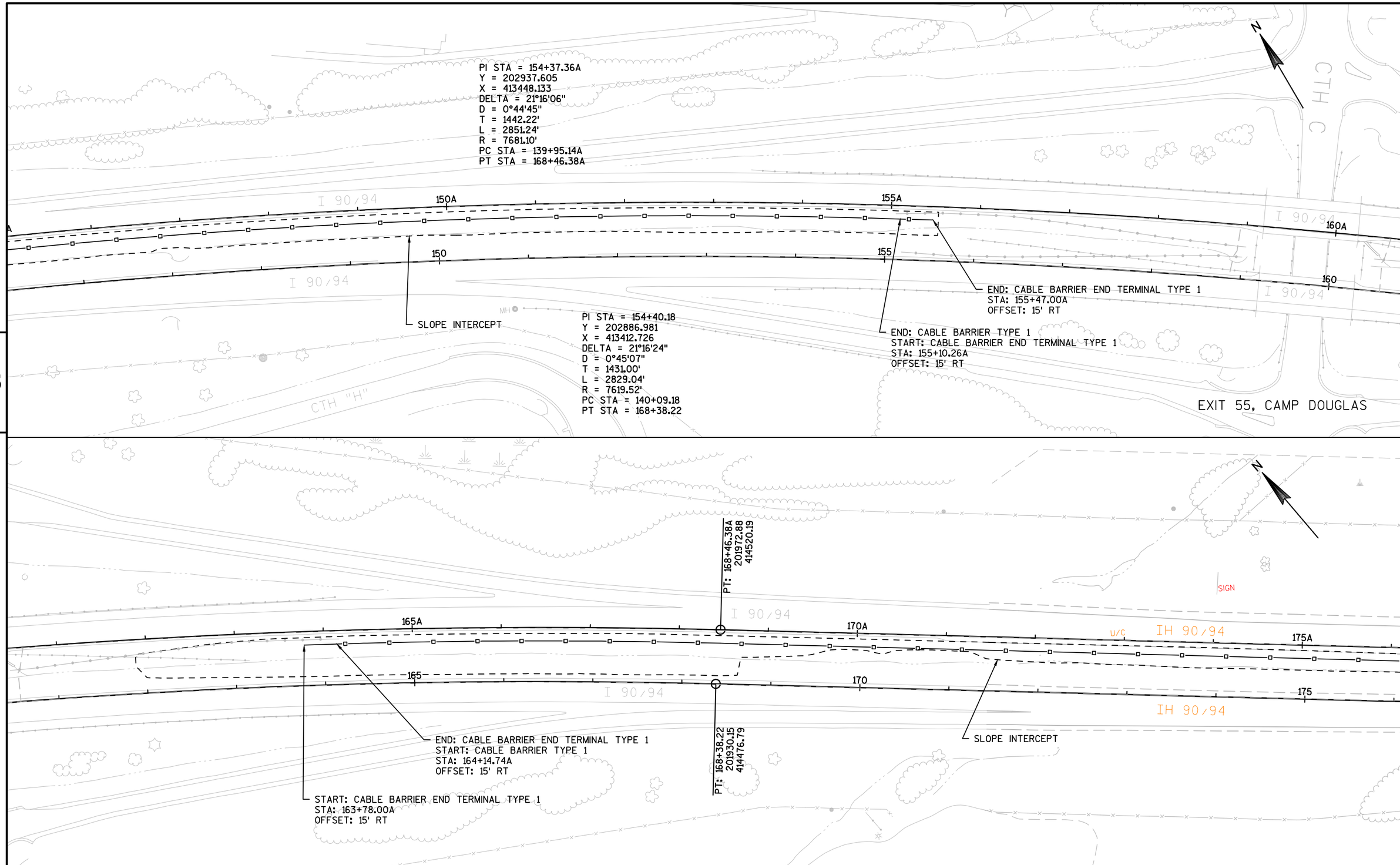
CAT.	STATION	TO	STATION	LOCATION	690.0150 SAWING ASPHALT LF	690.0250 SAWING CONCRETE LF	REMARKS
0010	692+35A		-	IH 90/94 WB	7.5	-	
0010	695+94A	-	696+12A	IH 90/94 WB	-	25	
0010	701+32A		-	IH 90/94 WB	6	-	
0010	715+61A		-	IH 90/94 WB	4	-	
0010	878+22A		-	IH 90/94 WB	6	-	
0010	890+04A		-	IH 90/94 WB	6	-	
0010	895+56		-	IH 90/94 WB	6	-	
				TOTAL 0010	35.5	25	



PROJECT NO:1016-02-60	HWY:IH 90/94	COUNTY:JUNEAU	PLAN	SHEET 79	E

FILE NAME : N:\PDS\C3D\10160230\SHEETSPLAN\050201_PN.DWG
LAYOUT NAME - (1)
PLOT DATE : 6/6/2016 7:20 AM PLOT BY : MECUM, BRANDYN W PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44



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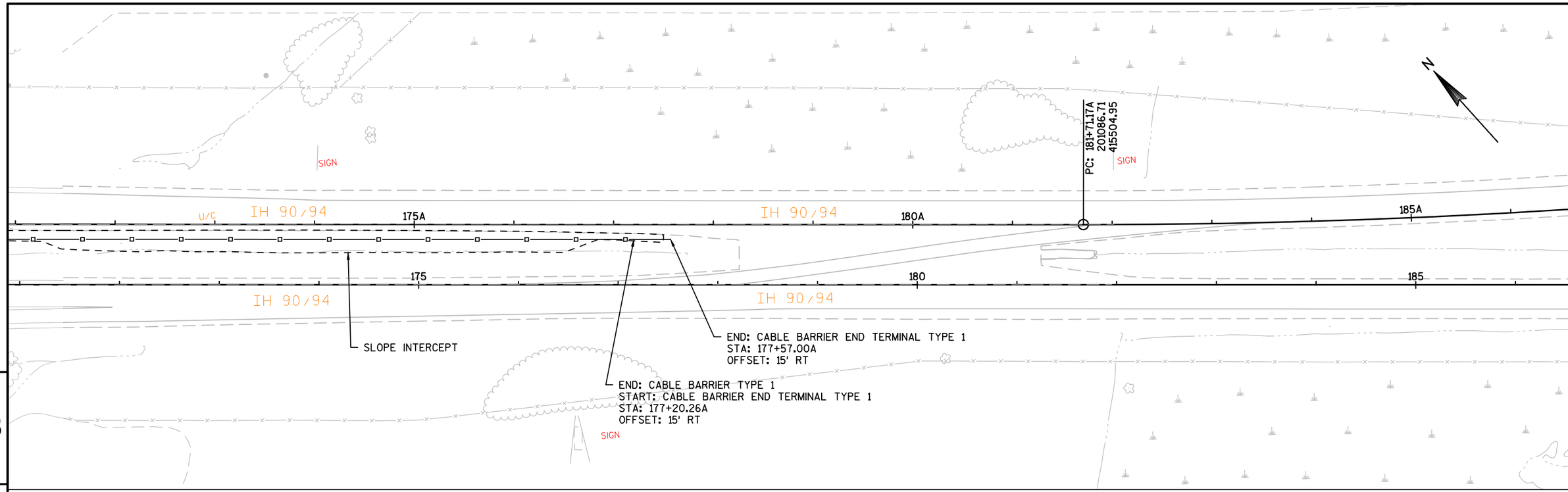
PROJECT NO:1016-02-60	HWY:IH 90/94	COUNTY:JUNEAU	PLAN	SHEET 80	E

FILE NAME : N:\PDS\C3D\10160230\SHEETSPLAN\050201_PN.DWG
LAYOUT NAME - (3)
PLOT DATE : 6/6/2016 7:20 AM PLOT BY : MECUM, BRANDYN W PLOT NAME : PLOT SCALE : 1 IN:100 FT



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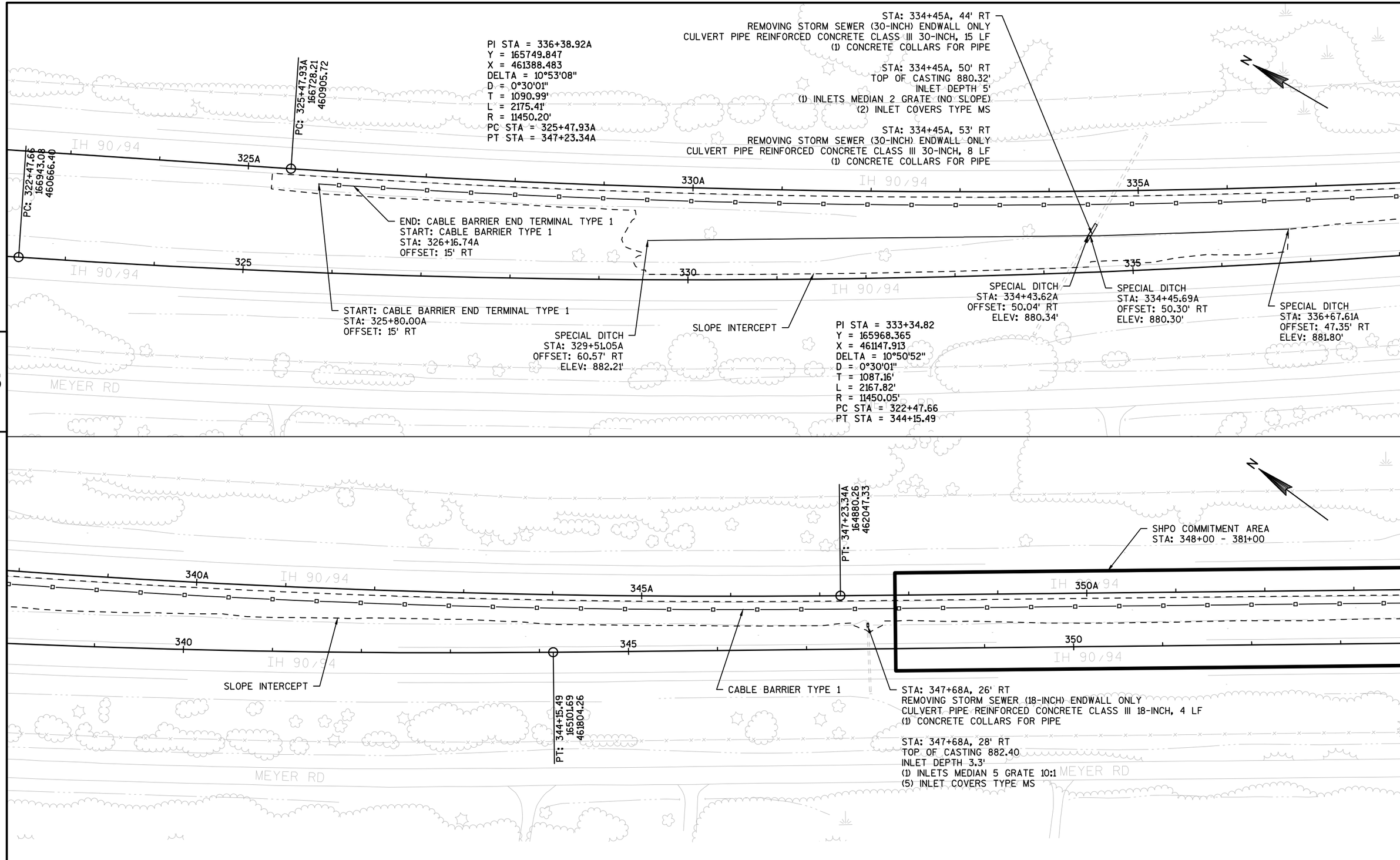
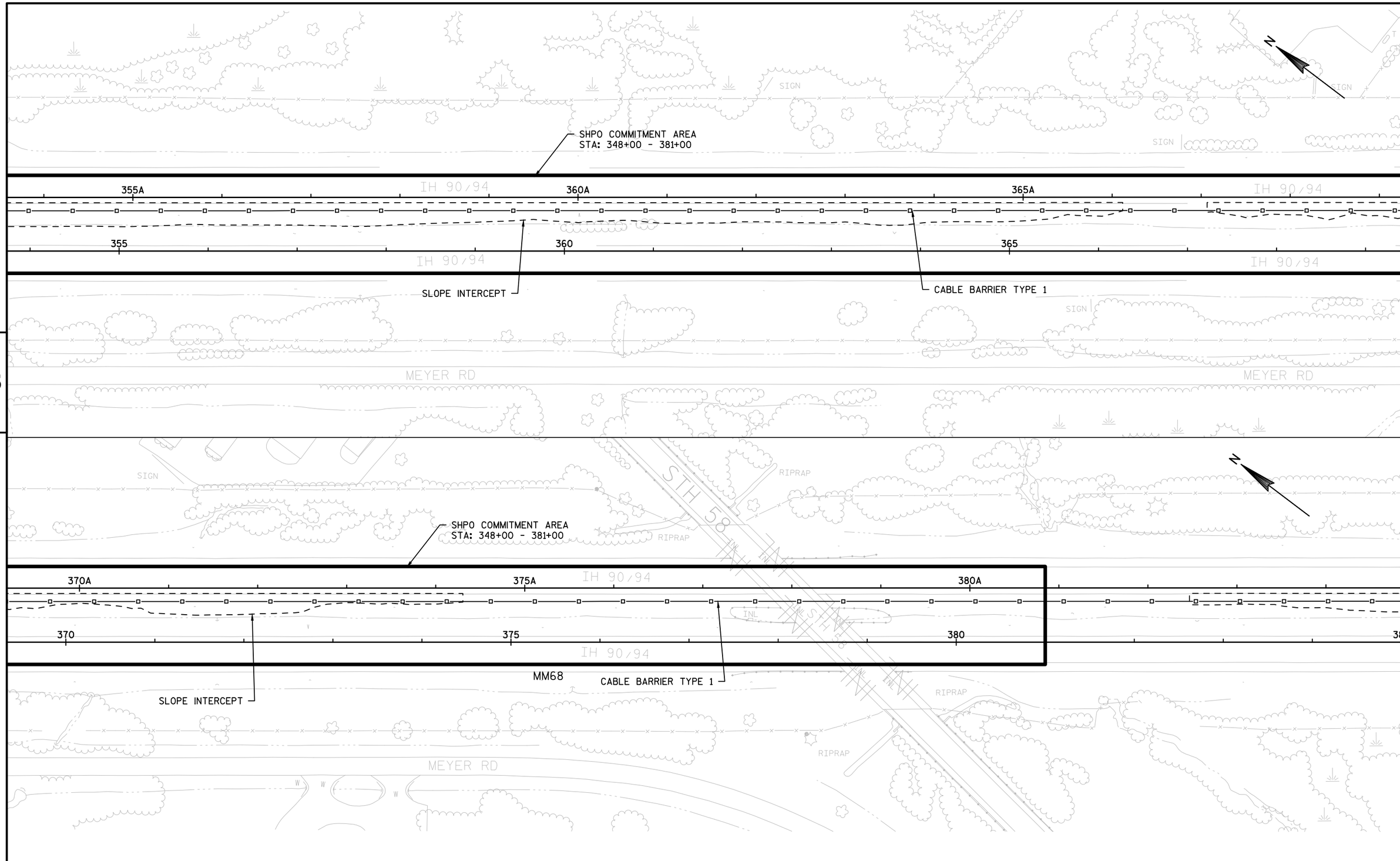
PROJECT NO:1016-02-60	HWY:IH 90/94	COUNTY:JUNEAU	PLAN	SHEET 81	E

FILE NAME : N:\PDS\C3D\10160230\SHEETSPLAN\050201_PN.DWG
LAYOUT NAME - (5)
PLOT DATE : 6/6/2016 7:20 AM PLOT BY : MECUM, BRANDYN W PLOT NAME : PLOT SCALE : 1 IN:100 FT



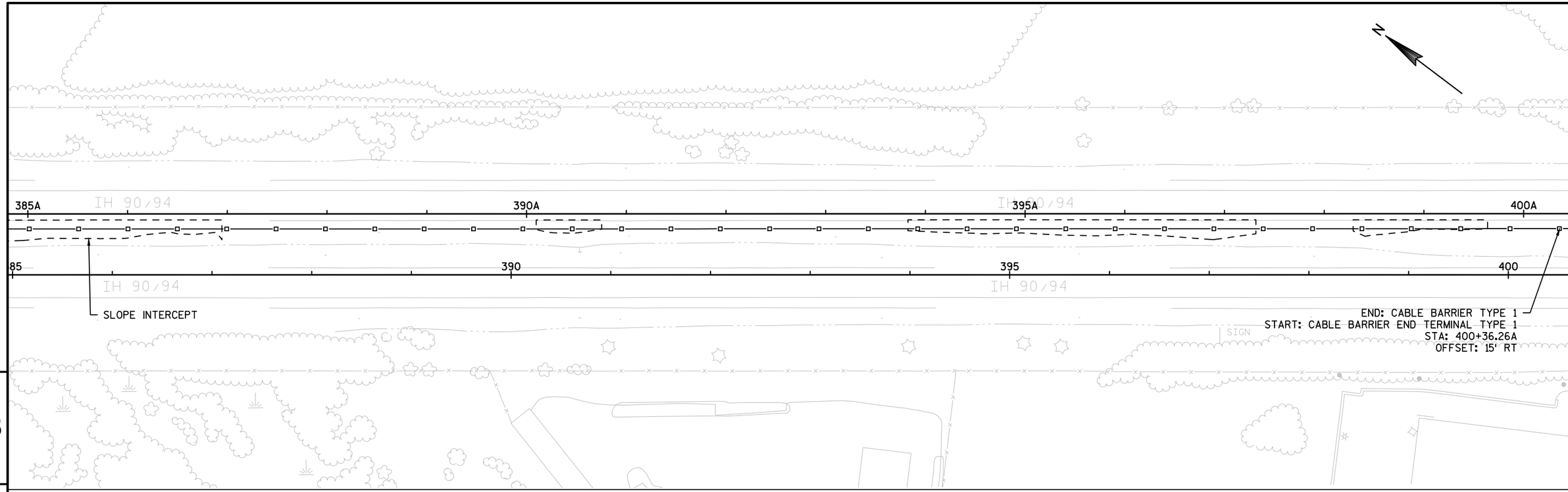
PROJECT NO:1016-02-60	HWY:IH 90/94	COUNTY:JUNEAU	PLAN	SHEET 82	E

FILE NAME : N:\PDS\C3D\10160230\SHEETSPLAN\050201_PN.DWG
LAYOUT NAME - JS(1)
PLOT DATE : 6/6/2016 7:21 AM PLOT BY : MECUM, BRANDYN W PLOT NAME : PLOT SCALE : 1 IN:100 FT



PROJECT NO:1016-02-60	HWY:IH 90/94	COUNTY:JUNEAU	PLAN	SHEET 83	E

FILE NAME : N:\PDS\C3D\10160230\SHEETSPLAN\050201_PN.DWG
LAYOUT NAME - JS(3)
PLOT DATE : 6/6/2016 7:21 AM PLOT BY : MECUM, BRANDYN W PLOT NAME : PLOT SCALE : 1 IN:100 FT



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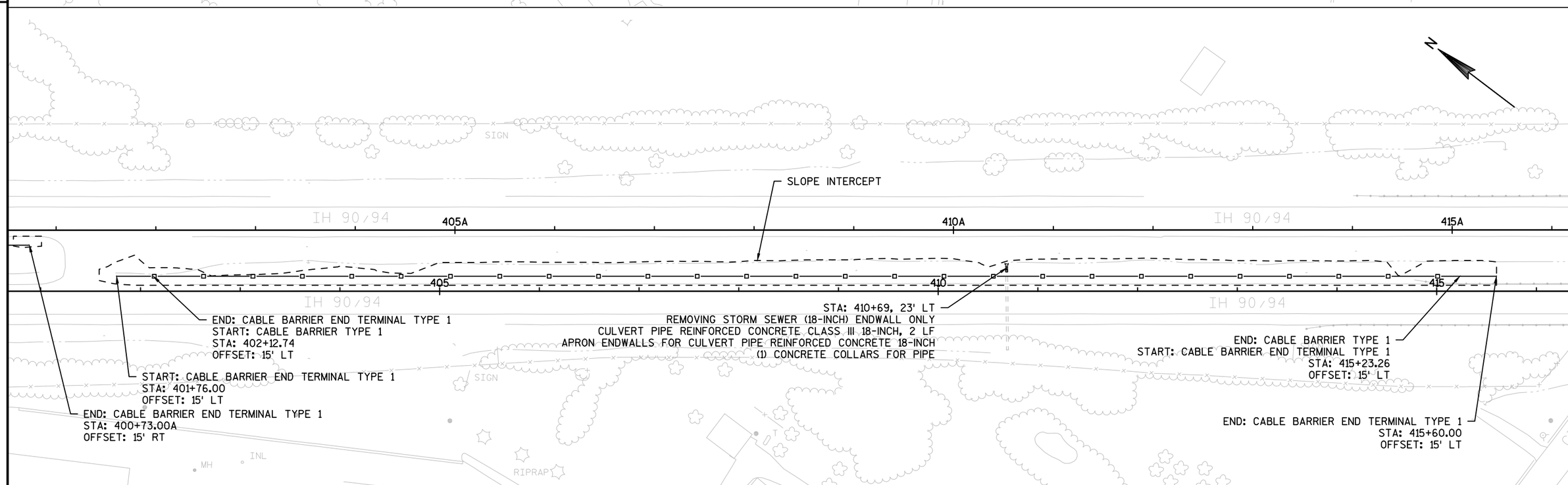
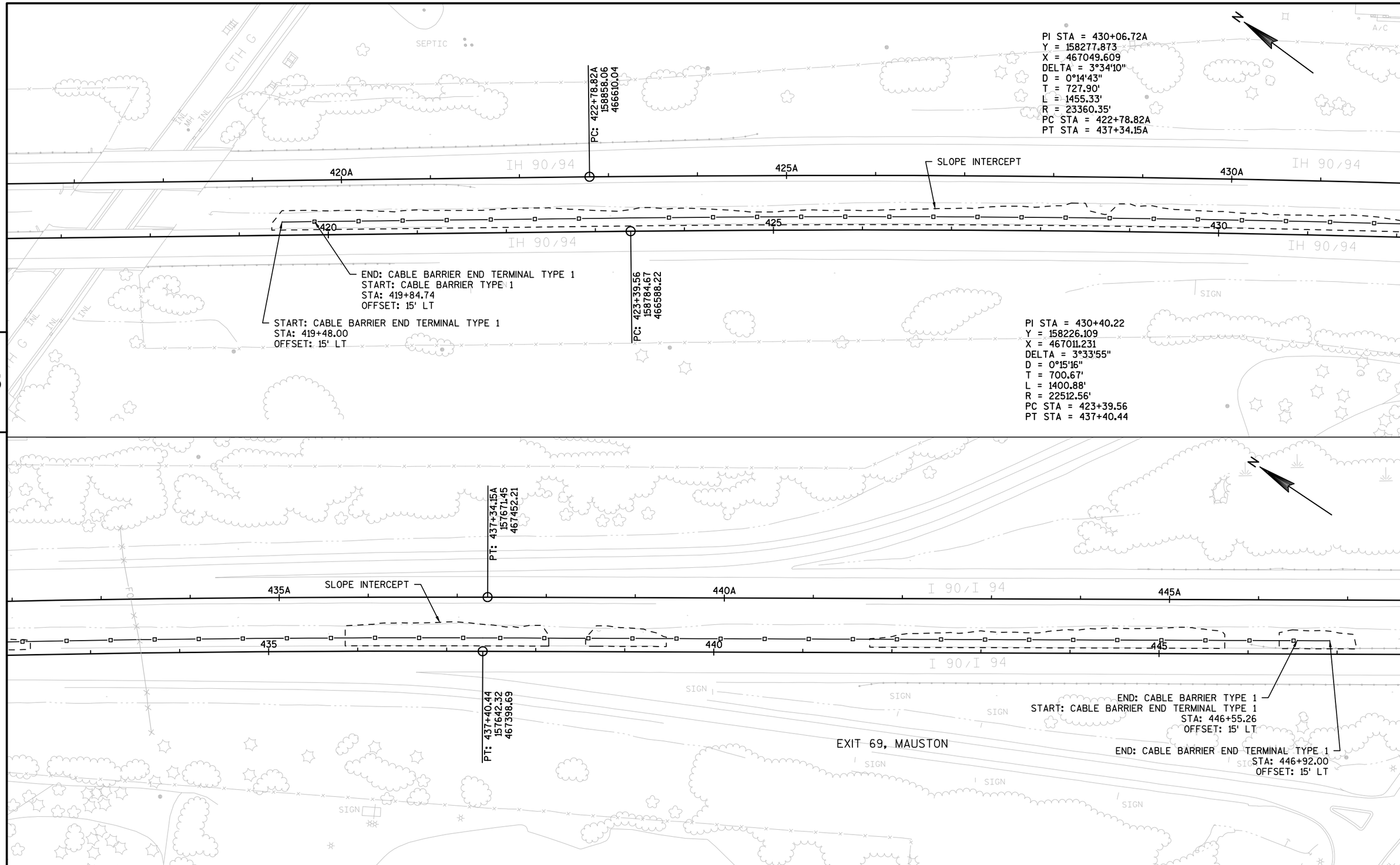


PROJECT NO:1016-02-60	HWY:IH 90/94	COUNTY:JUNEAU	PLAN	SHEET 84	E



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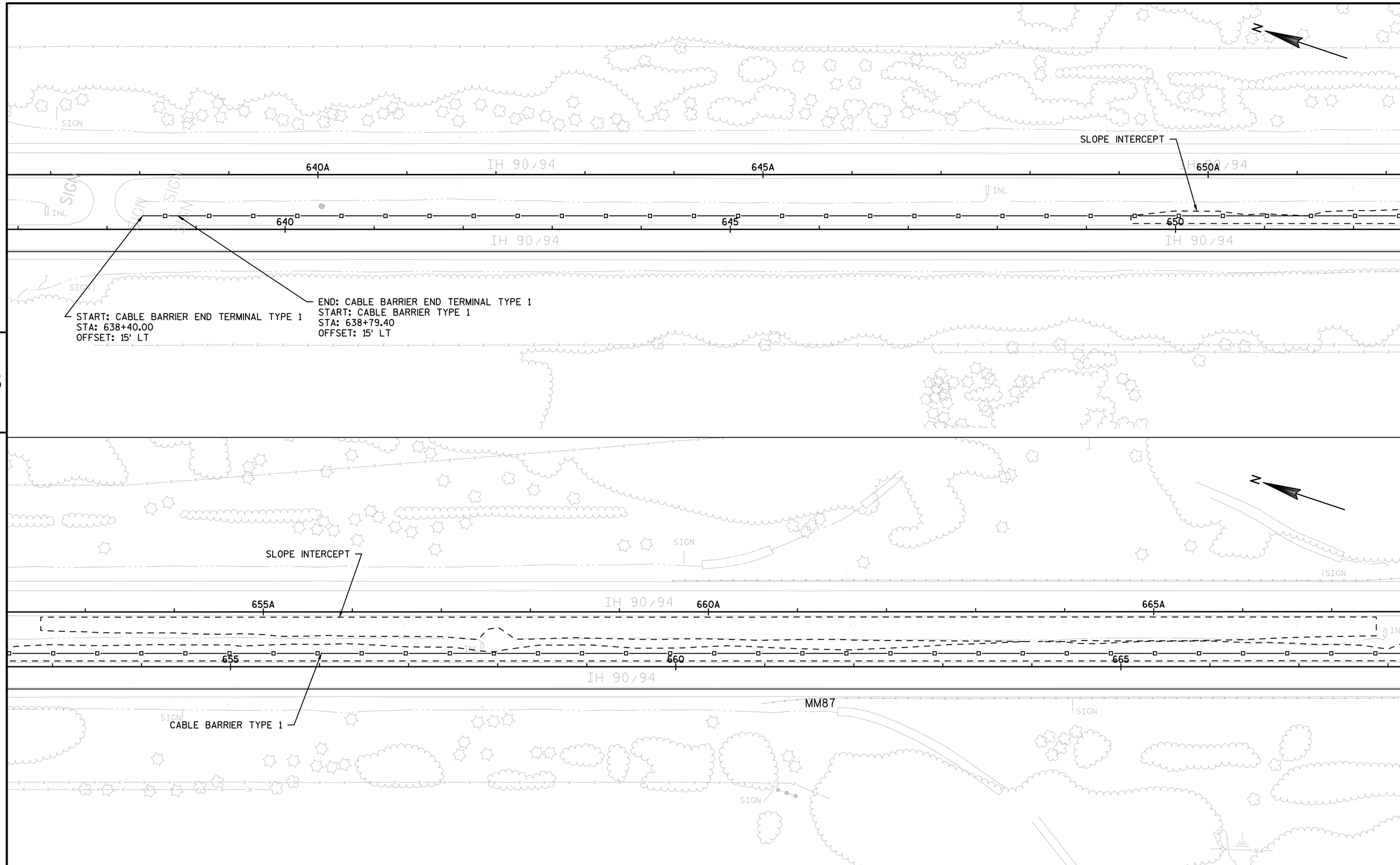
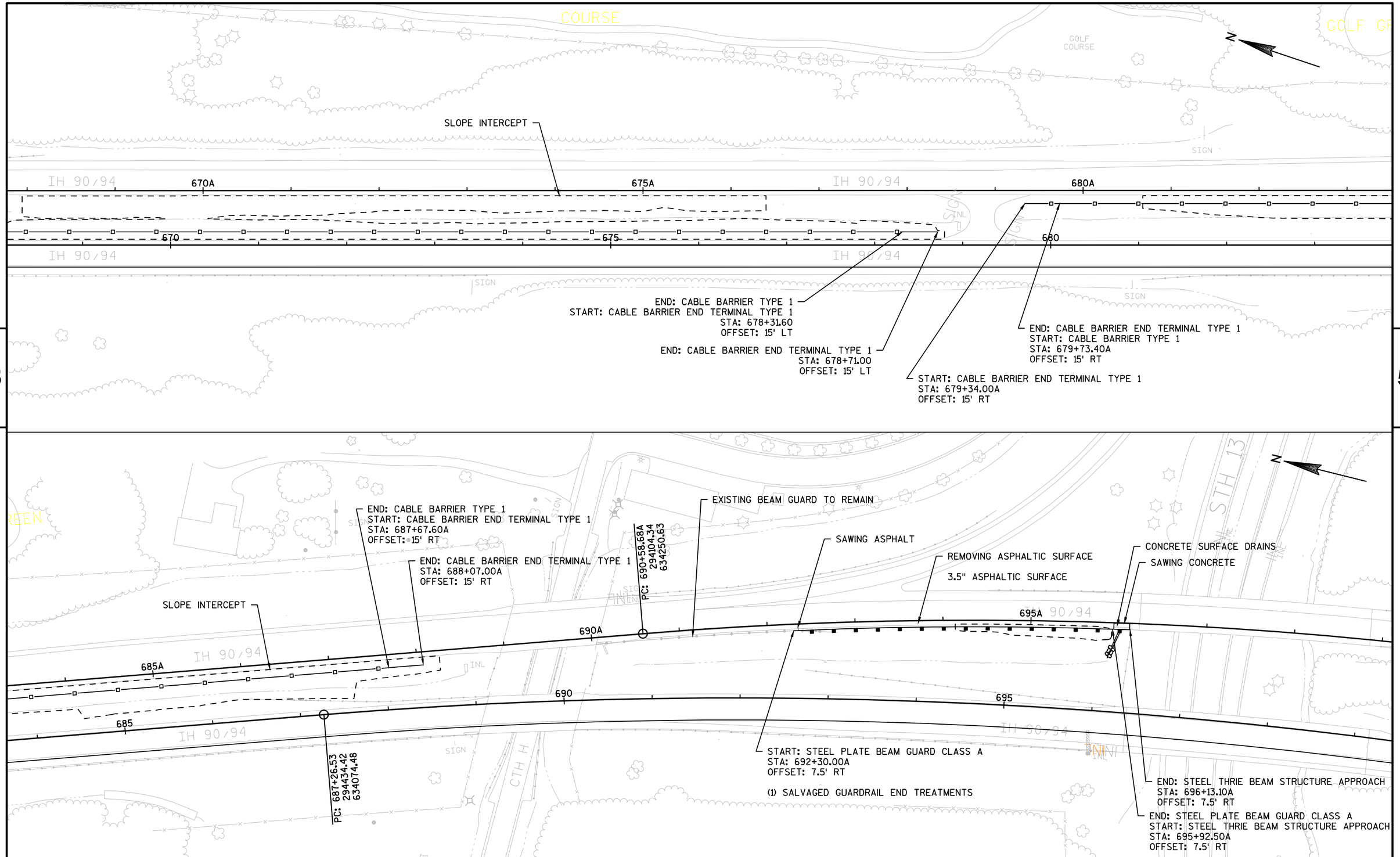
PROJECT NO:1016-02-60	HWY:IH 90/94	COUNTY:JUNEAU	PLAN	SHEET 85	E

FILE NAME : N:\PDS\C3D\10160230\SHEETSPLAN\050201_PN.DWG
LAYOUT NAME - JS(7)
PLOT DATE : 6/6/2016 7:21 AM PLOT BY : MECUM, BRANDYN W PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44



PROJECT NO:1016-02-60	HWY:IH 90/94	COUNTY:SAUK	PLAN	SHEET 86	E



PROJECT NO:1016-02-60	HWY:IH 90/94	COUNTY:SAUK	PLAN	SHEET 87	E

PI STA = 704+89.33A
Y = 292747.778
X = 634705.052
DELTA = 34°34'51"
D = 1°14'48"
T = 1430.65'
L = 2773.91'
R = 4595.98'
PC STA = 690+58.68A
PT STA = 718+32.59A

EXISTING BEAM GUARD TO REMAIN

SAWING ASPHALT

REMOVING ASPHALTIC SURFACE

3.5" ASPHALTIC SURFACE

SHPO COMMITMENT AREA
STA: 714+00 - 723+00

SLOPE INTERCEPT

700A 705A 710A

IH 90/94

700 705 710

EXIT 87, WI DELLS

PI STA = 705+49.41
Y = 292705.817
X = 634653.157
DELTA = 35°13'57"
D = 0°59'53"
T = 1822.89'
L = 3530.16'
R = 5740.83'
PC STA = 687+26.53
PT STA = 722+56.69

START: STEEL PLATE BEAM GUARD CLASS A
STA: 701+32.00A
OFFSET: 6' RT

(1) SALVAGED GUARDRAIL END TREATMENTS

START: CABLE BARRIER END TERMINAL TYPE 1
STA: 714+57.00A
OFFSET: 15' RT

5

END:STEEL PLATE BEAM GUARD CLASS A
START: STEEL PLATE BEAM GUARD ENERGY ABSORBING TERMINAL
STA: 715+07.00A
OFFSET: 6' RT

REMOVING ASPHALTIC SURFACE

3.5" ASPHALTIC SURFACE

PT: 718+32.59A
291372.97
634309.25

SHPO COMMITMENT AREA
STA: 714+00 - 723+00

SAWING ASPHALT

715A 720A 725A 730A

IH 90/94

715 720 725 730

SLOPE INTERCEPT

END: STEEL PLATE BEAM GUARD ENERGY ABSORBING TERMINAL
STA: 715+57.00A
OFFSET: 8' RT

PT: 722+56.69
290960.03
634128.61

END: CABLE BARRIER END TERMINAL TYPE 1
START: CABLE BARRIER TYPE 1
STA: 714+96.40A
OFFSET: 15' RT

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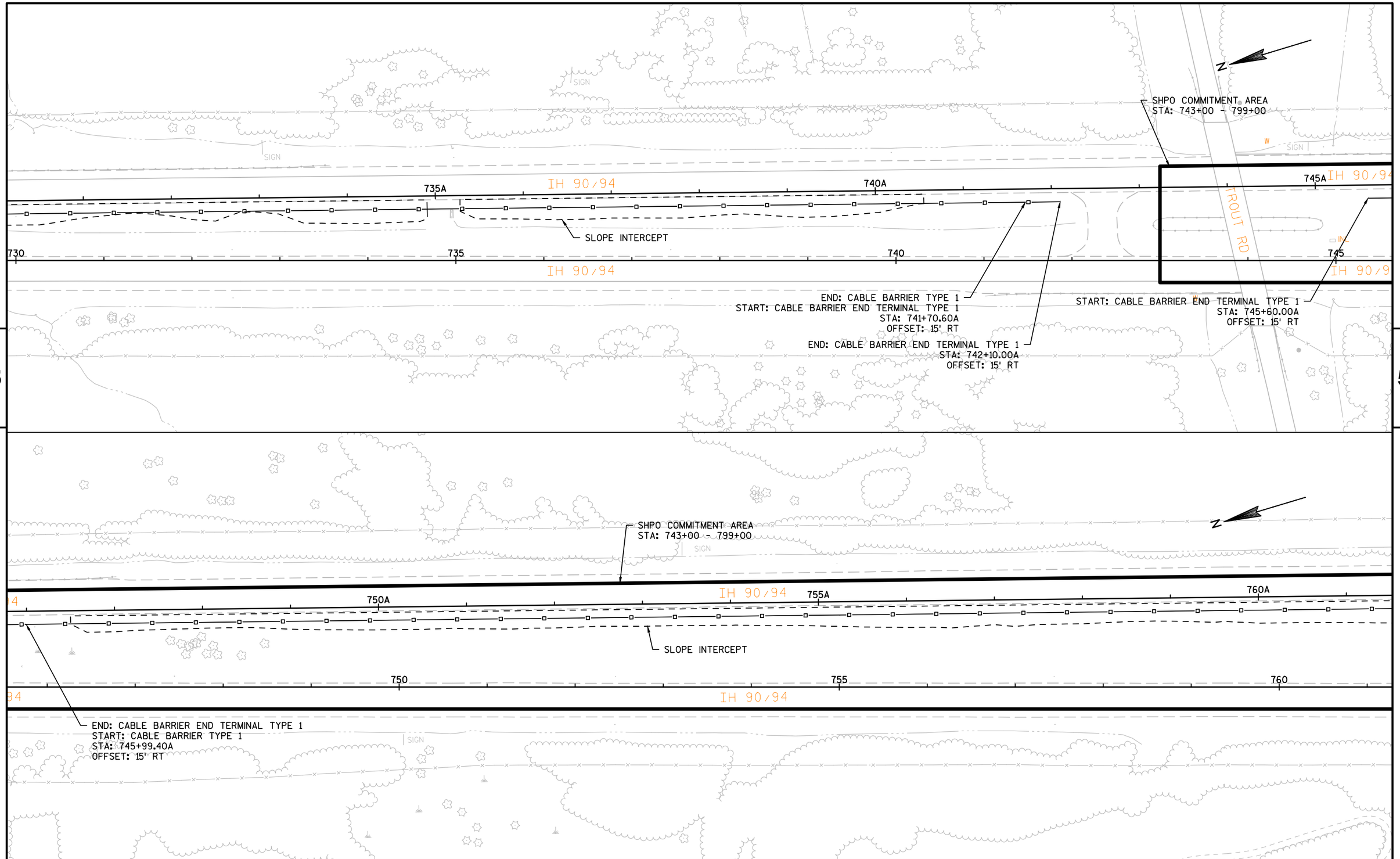
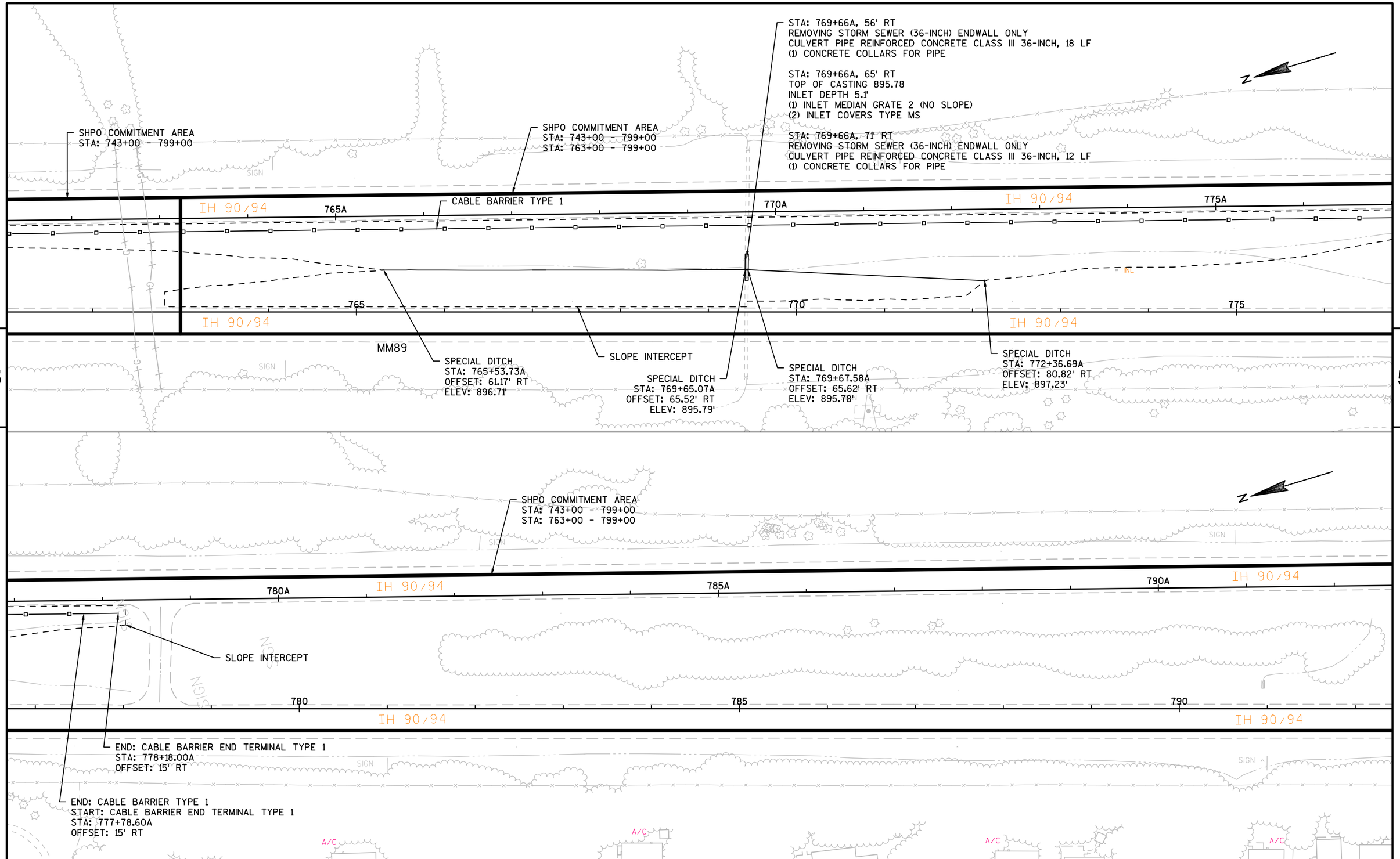
PROJECT NO:1016-02-60	HWY:IH 90/94	COUNTY:SAUK	PLAN	SHEET 88	E

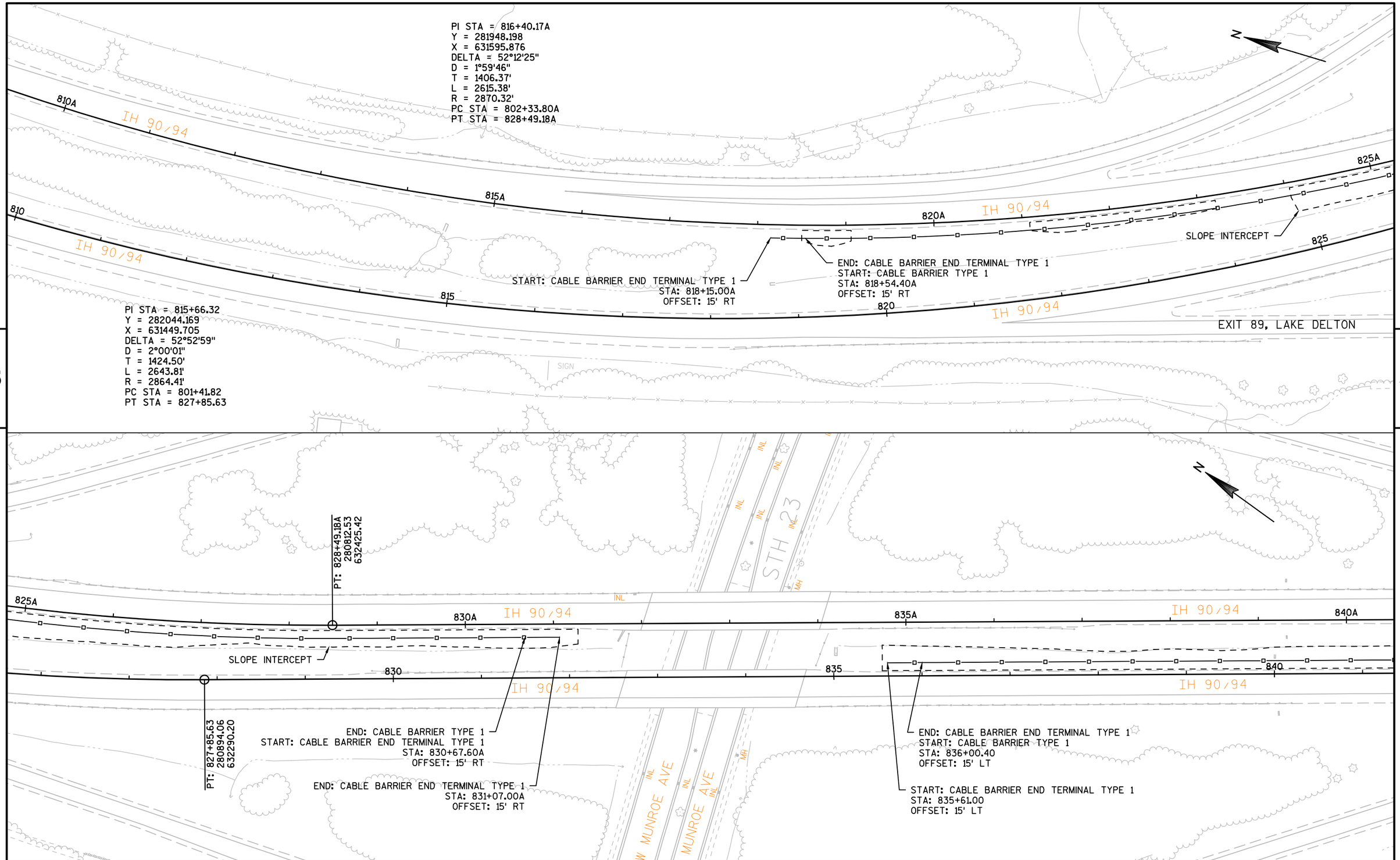


PROJECT NO:1016-02-60	HWY:IH 90/94	COUNTY:SAUK	PLAN	SHEET 89	E



PROJECT NO:1016-02-60	HWY:IH 90/94	COUNTY:SAUK	PLAN	SHEET 90	E

FILE NAME : N:\PDS\C3D\10160230\SHEETSPLAN\050202_PN.DWG
LAYOUT NAME - (9)
PLOT DATE : 6/6/2016 9:55 AM PLOT BY : MECUM, BRANDYN W PLOT NAME : PLOT SCALE : 1 IN:100 FT



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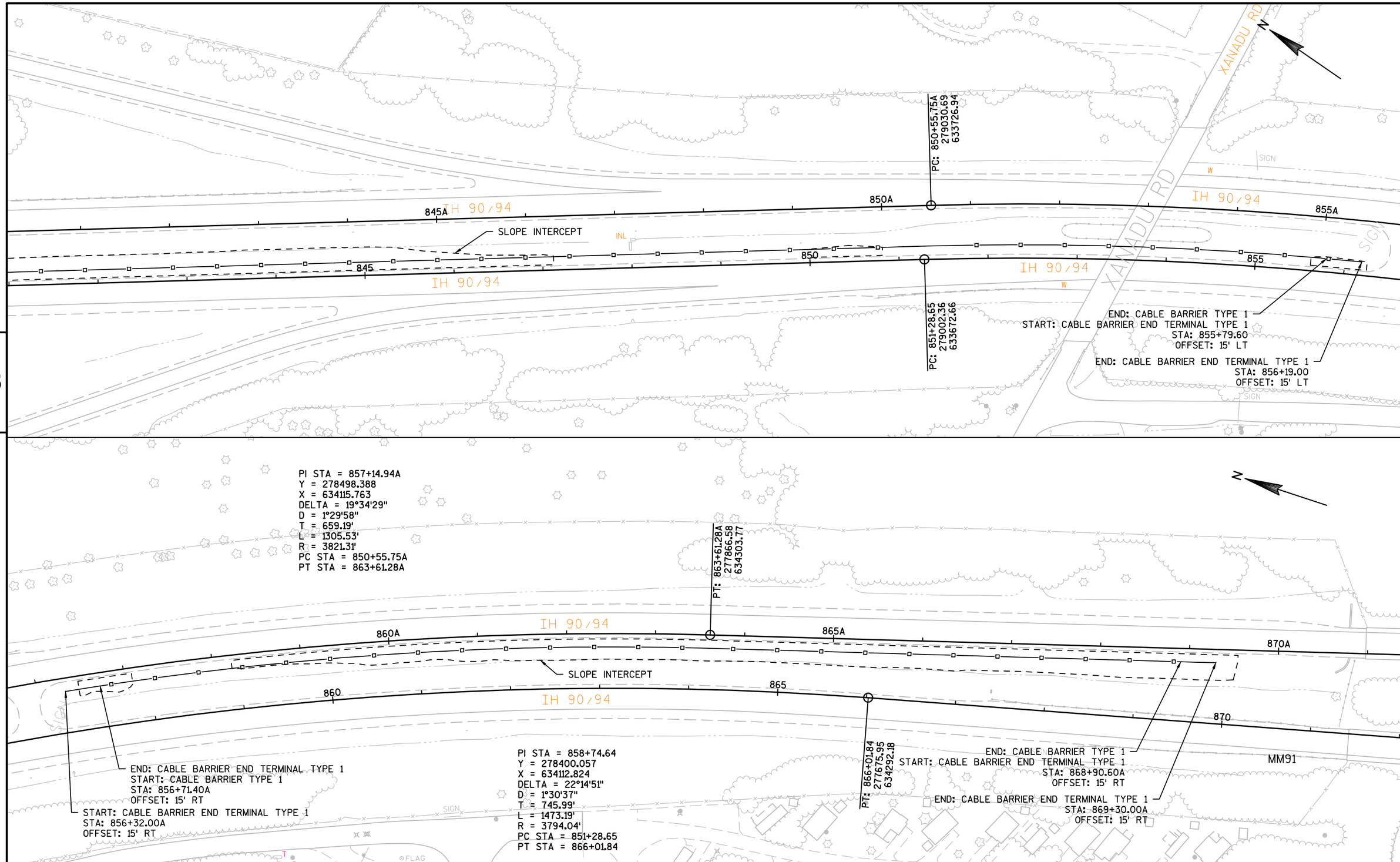
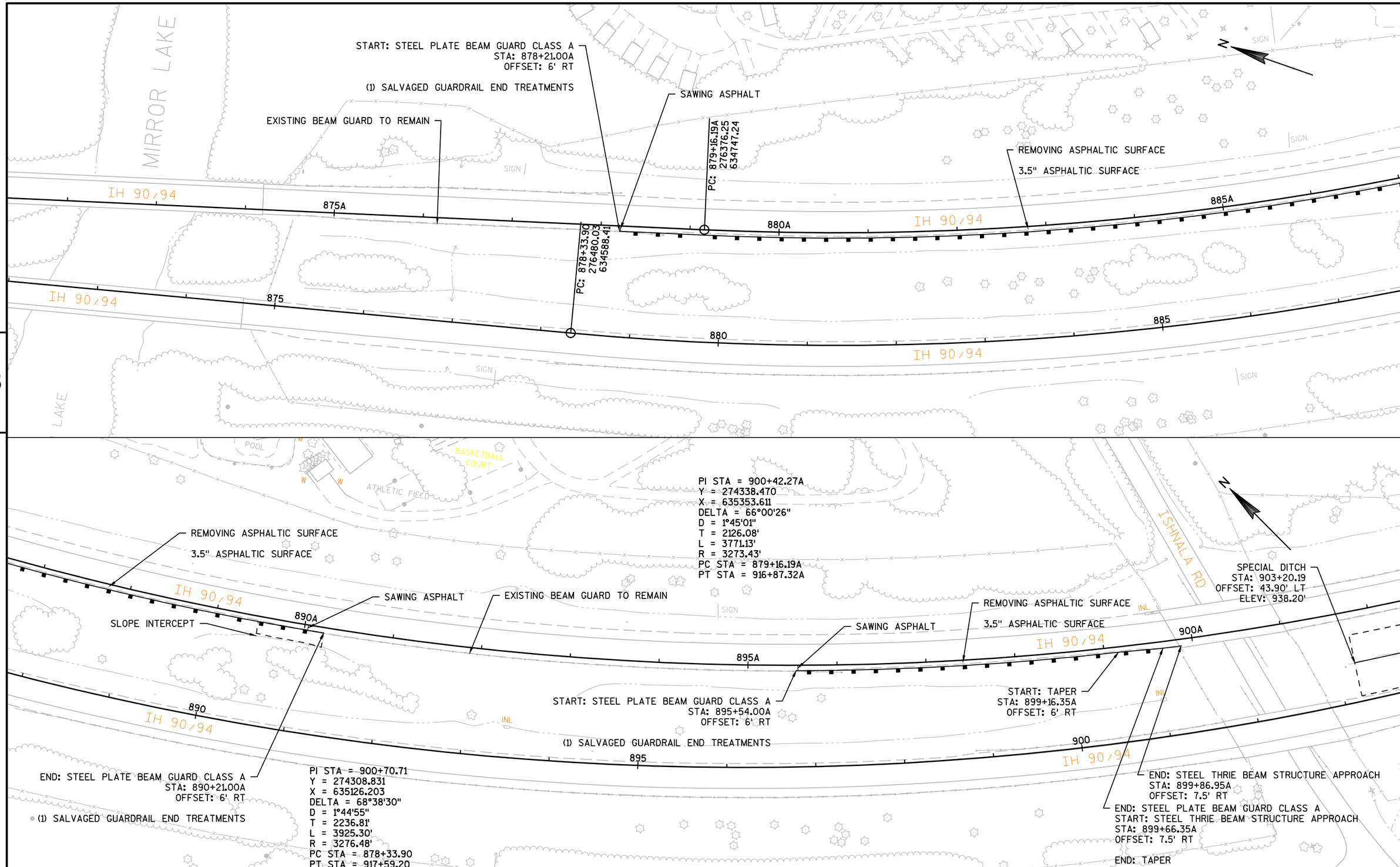
PROJECT NO:1016-02-60	HWY:IH 90/94	COUNTY:SAUK	PLAN	SHEET 91	E

FILE NAME : N:\PDS\C3D\10160230\SHEETSPLAN\050202_PN.DWG
LAYOUT NAME - (11)
PLOT DATE : 6/6/2016 9:56 AM PLOT BY : MECUM, BRANDYN W PLOT NAME : PLOT SCALE : 1 IN:100 FT



PROJECT NO:1016-02-60	HWY:IH 90/94	COUNTY:SAUK	PLAN	SHEET 92	E

FILE NAME : N:\PDS\C3D\10160230\SHEETSPLAN\050202_PN.DWG
LAYOUT NAME - (13)
PLOT DATE : 6/6/2016 9:56 AM PLOT BY : MECUM, BRANDYN W PLOT NAME : PLOT SCALE : 1 IN:100 FT



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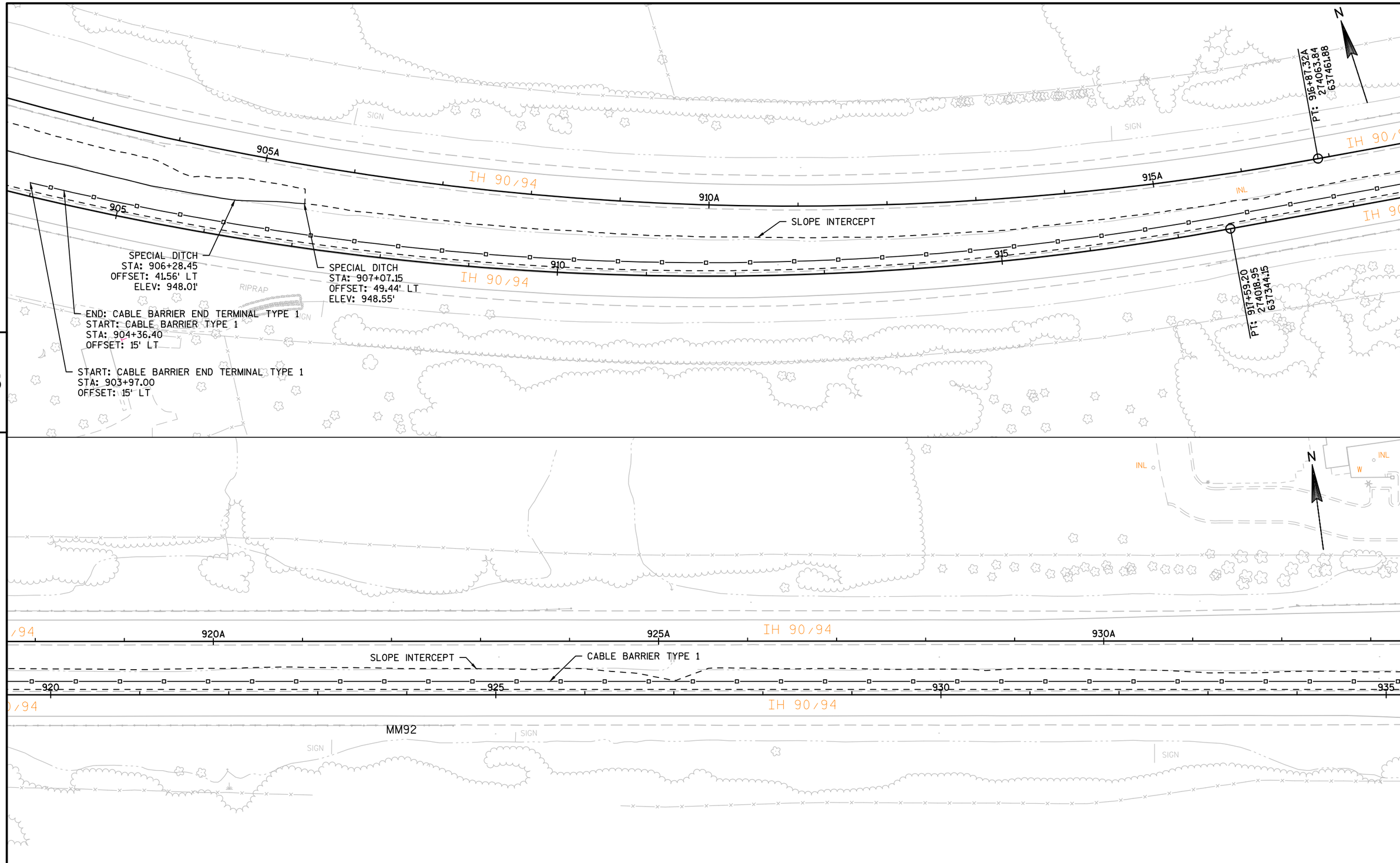
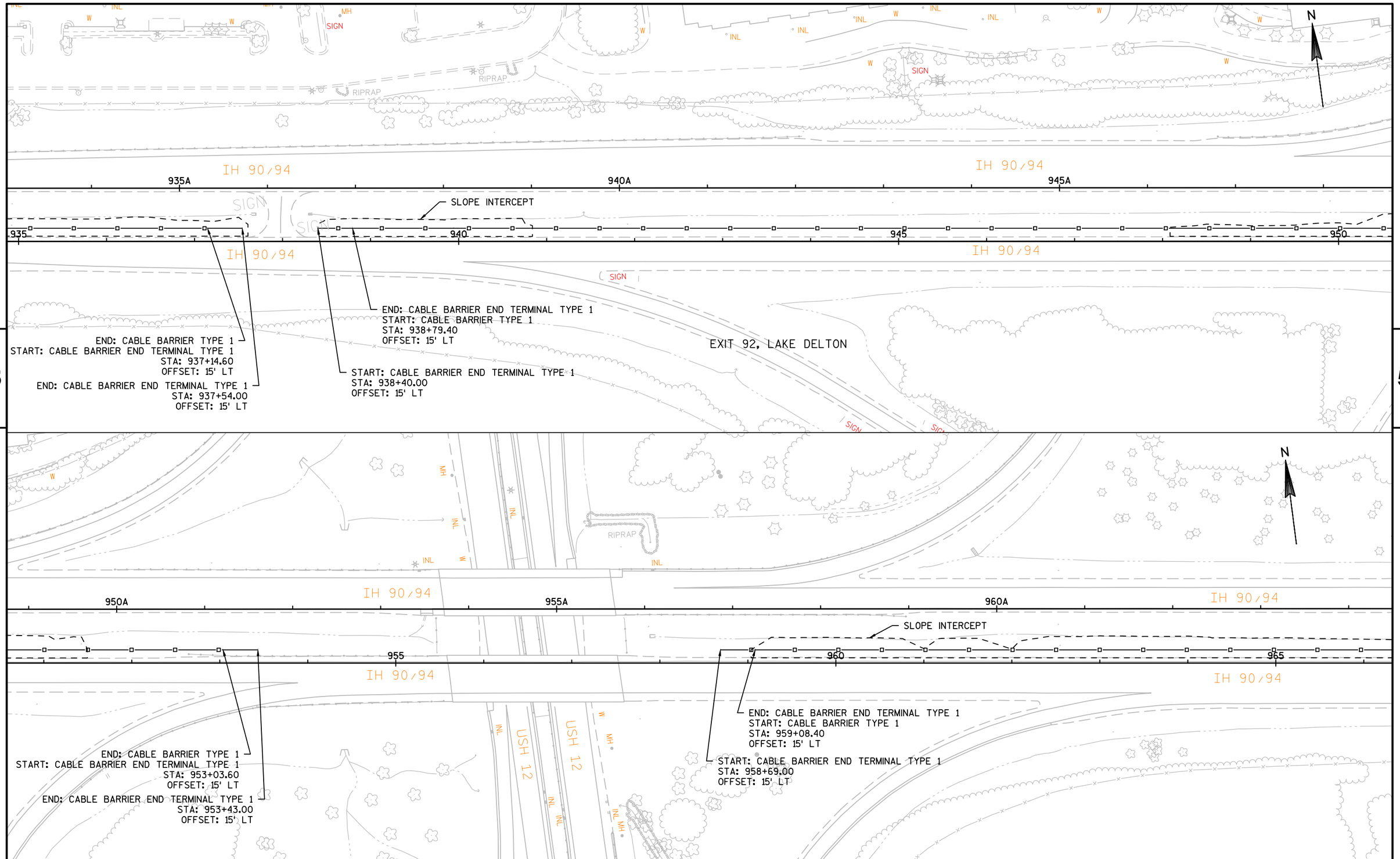
PROJECT NO:1016-02-60	HWY:IH 90/94	COUNTY:SAUK	PLAN	SHEET 93	E

FILE NAME : N:\PDS\C3D\10160230\SHEETSPLAN\050202_PN.DWG
LAYOUT NAME - (15)
PLOT DATE : 6/6/2016 9:57 AM PLOT BY : MECUM, BRANDYN W PLOT NAME : PLOT SCALE : 1 IN:100 FT



PROJECT NO:1016-02-60	HWY:IH 90/94	COUNTY:SAUK	PLAN	SHEET 94	E

FILE NAME : N:\PDS\C3D\10160230\SHEETSPLAN\050202_PN.DWG
LAYOUT NAME - (17)
PLOT DATE : 6/6/2016 9:58 AM PLOT BY : MECUM, BRANDYN W PLOT NAME : PLOT SCALE : 1 IN:100 FT



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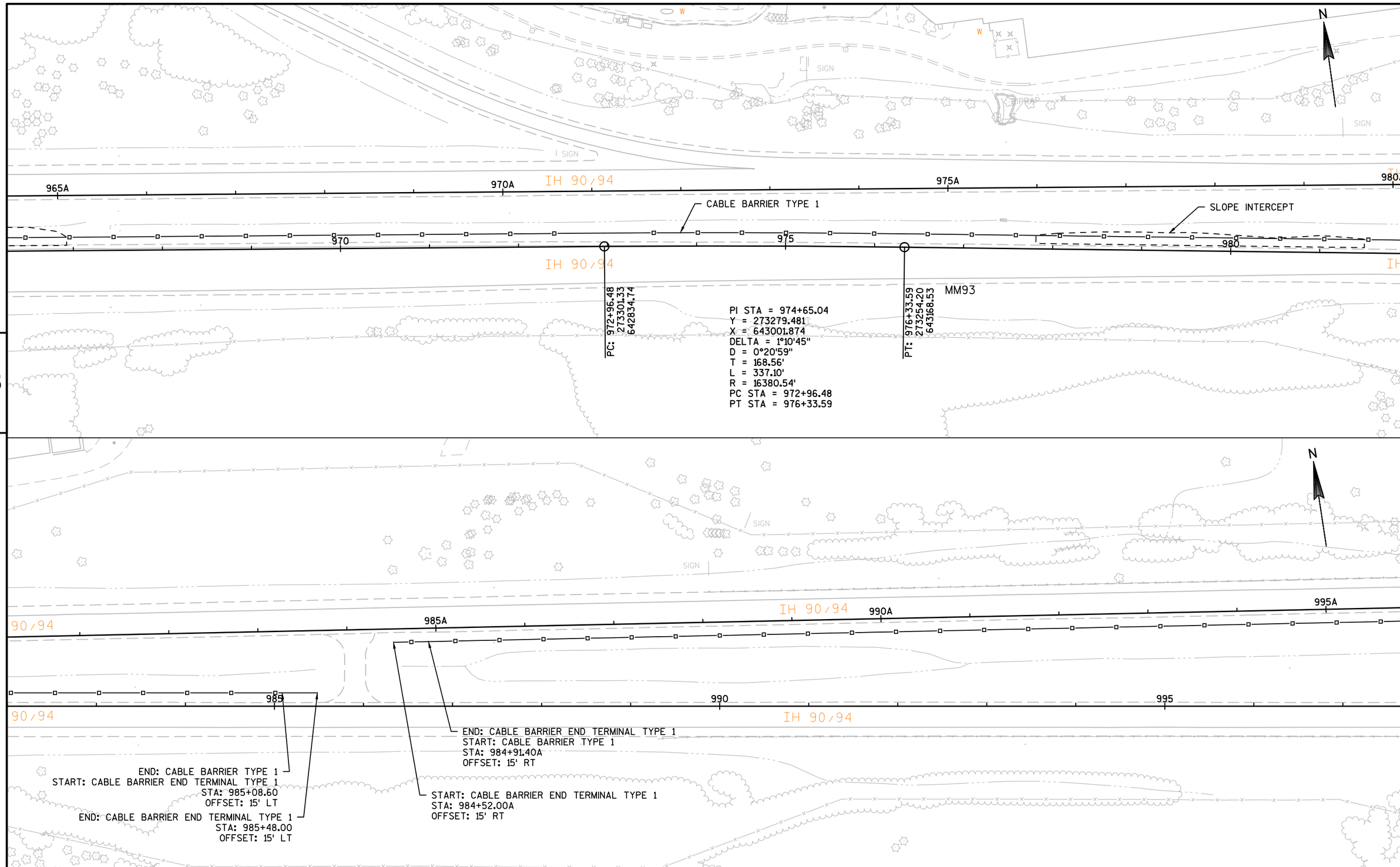
PROJECT NO:1016-02-60	HWY:IH 90/94	COUNTY:SAUK	PLAN	SHEET 95	E

FILE NAME : N:\PDS\C3D\10160230\SHEETSPLAN\050202_PN.DWG
LAYOUT NAME - (19)
PLOT DATE : 6/6/2016 9:58 AM PLOT BY : MECUM, BRANDYN W PLOT NAME : PLOT SCALE : 1 IN:100 FT



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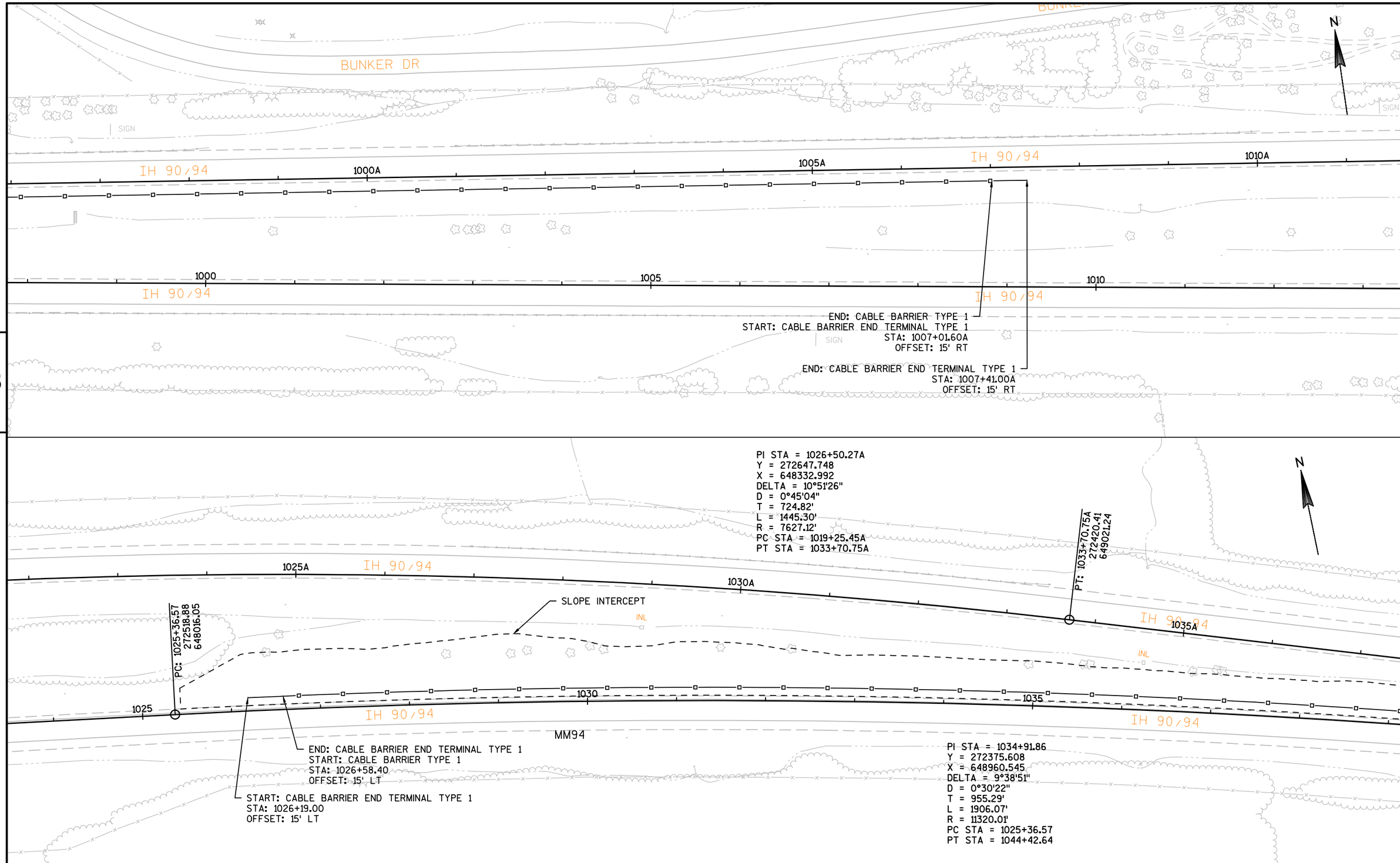
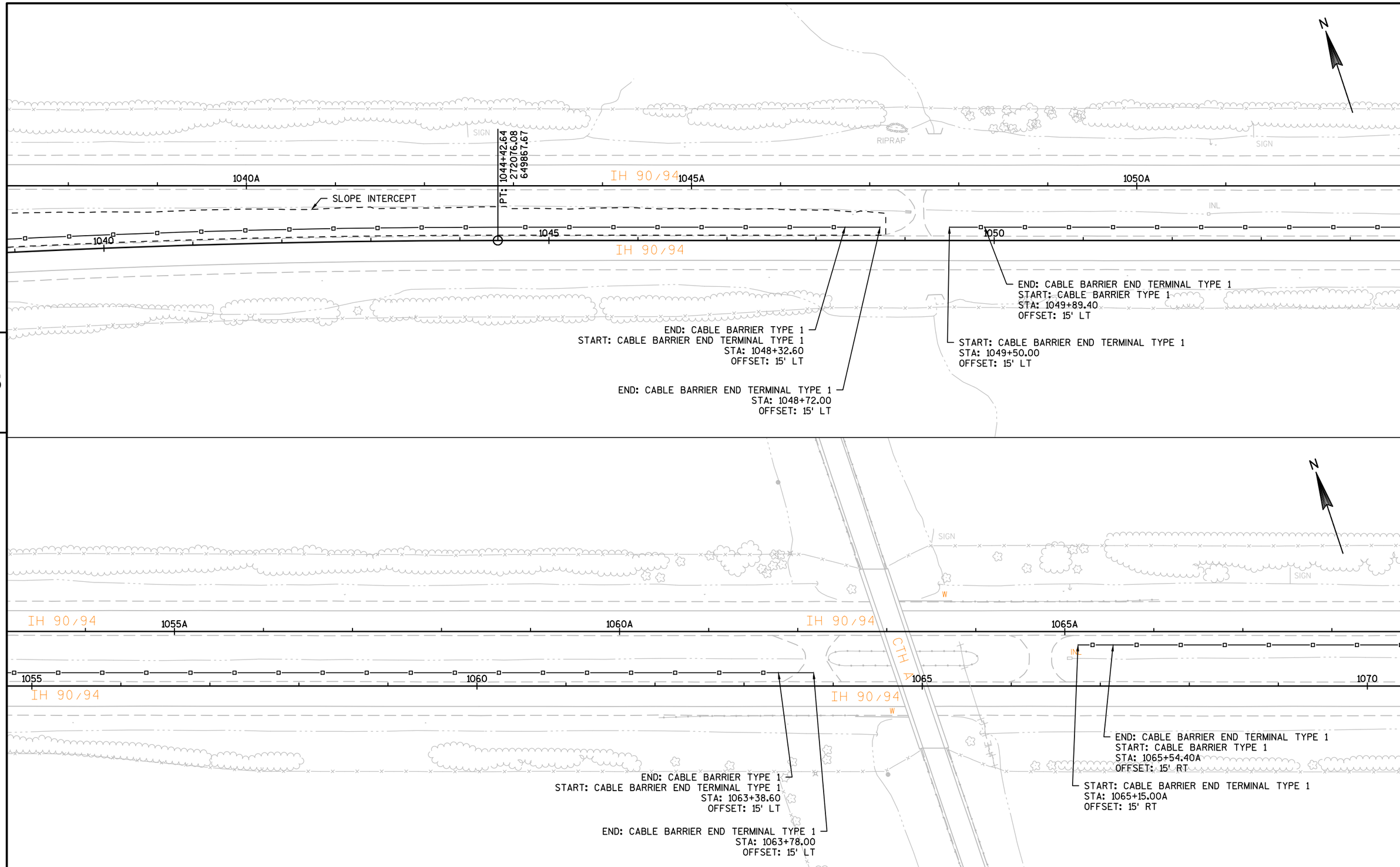
PROJECT NO:1016-02-60	HWY:IH 90/94	COUNTY:SAUK	PLAN	SHEET 96	E

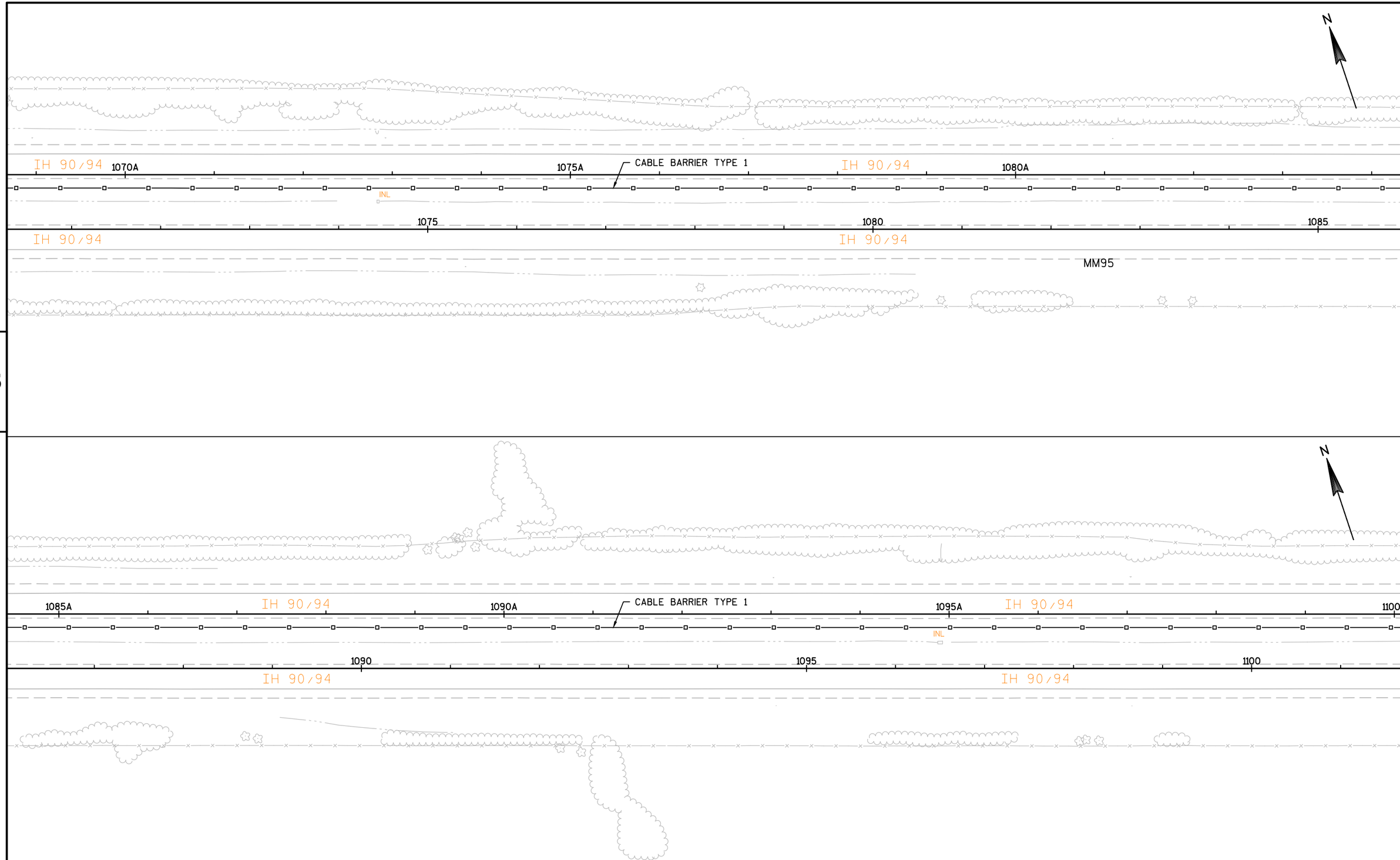


PROJECT NO:1016-02-60	HWY:IH 90/94	COUNTY:SAUK	PLAN	SHEET 97	E

FILE NAME : N:\PDS\C3D\10160230\SHEETSPLAN\050202_PN.DWG
LAYOUT NAME - (23)
PLOT DATE : 6/6/2016 10:00 AM PLOT BY : MECUM, BRANDYN W PLOT NAME : PLOT SCALE : 1 IN:100 FT

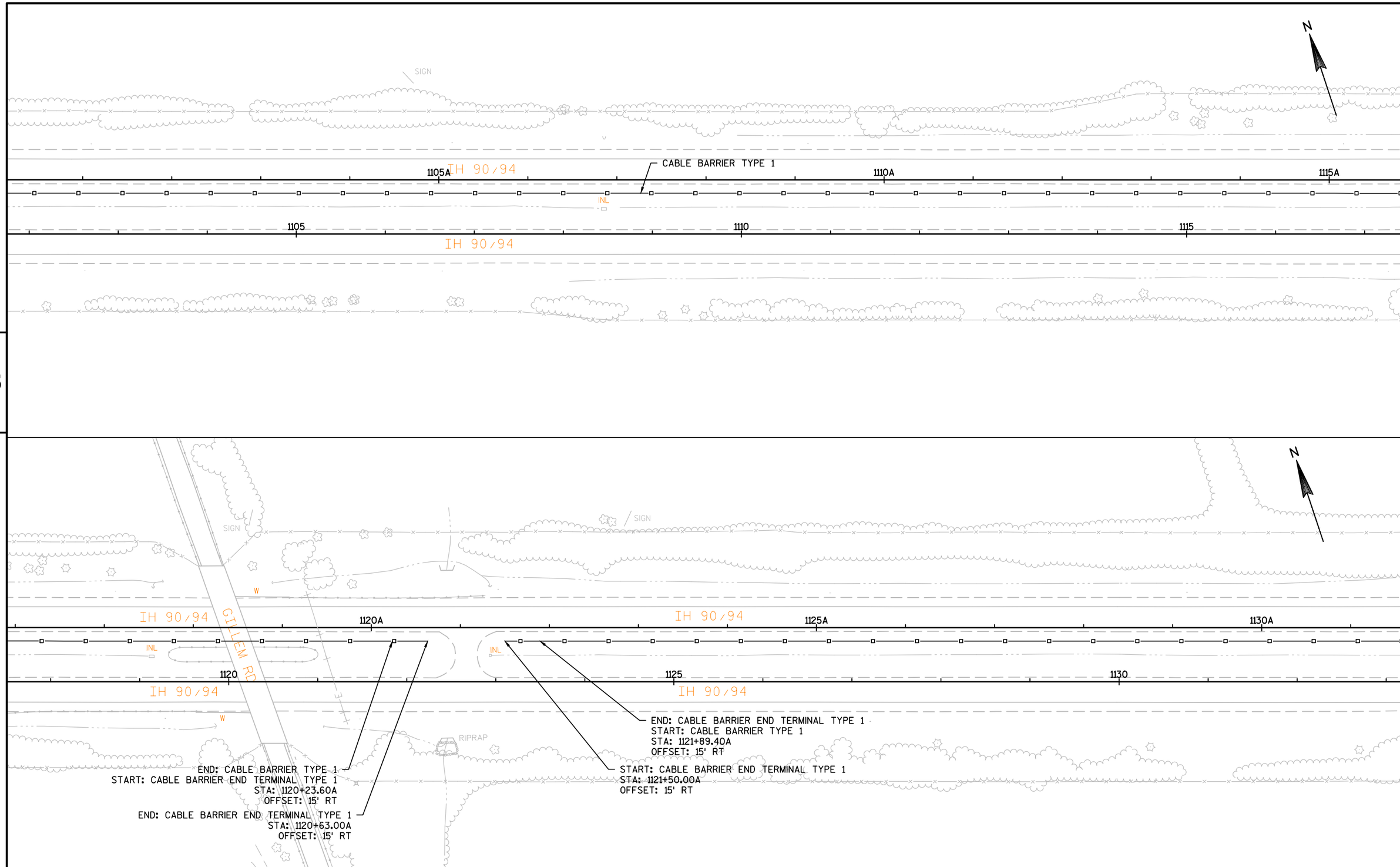


PROJECT NO:1016-02-60	HWY:IH 90/94	COUNTY:SAUK	PLAN	SHEET 98	E

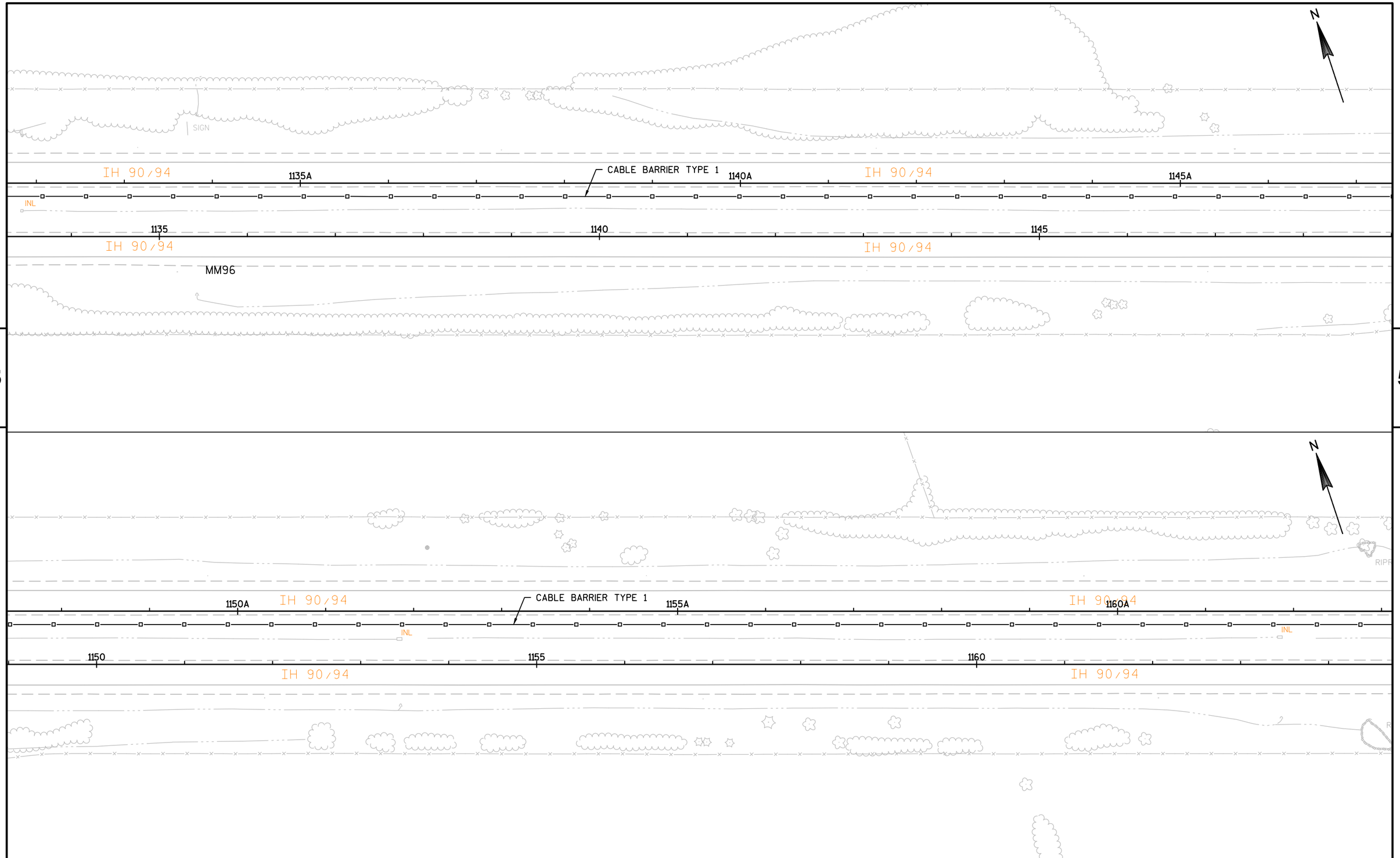


PROJECT NO:1016-02-60	HWY:IH 90/94	COUNTY:SAUK	PLAN	SHEET 99	E

FILE NAME : N:\PDS\C3D\10160230\SHEETSPLAN\050202_PN.DWG
LAYOUT NAME - (27)
PLOT DATE : 6/6/2016 10:01 AM PLOT BY : MECUM, BRANDYN W PLOT NAME : PLOT SCALE : 1 IN:100 FT



PROJECT NO:1016-02-60	HWY:IH 90/94	COUNTY:SAUK	PLAN	SHEET 100	E

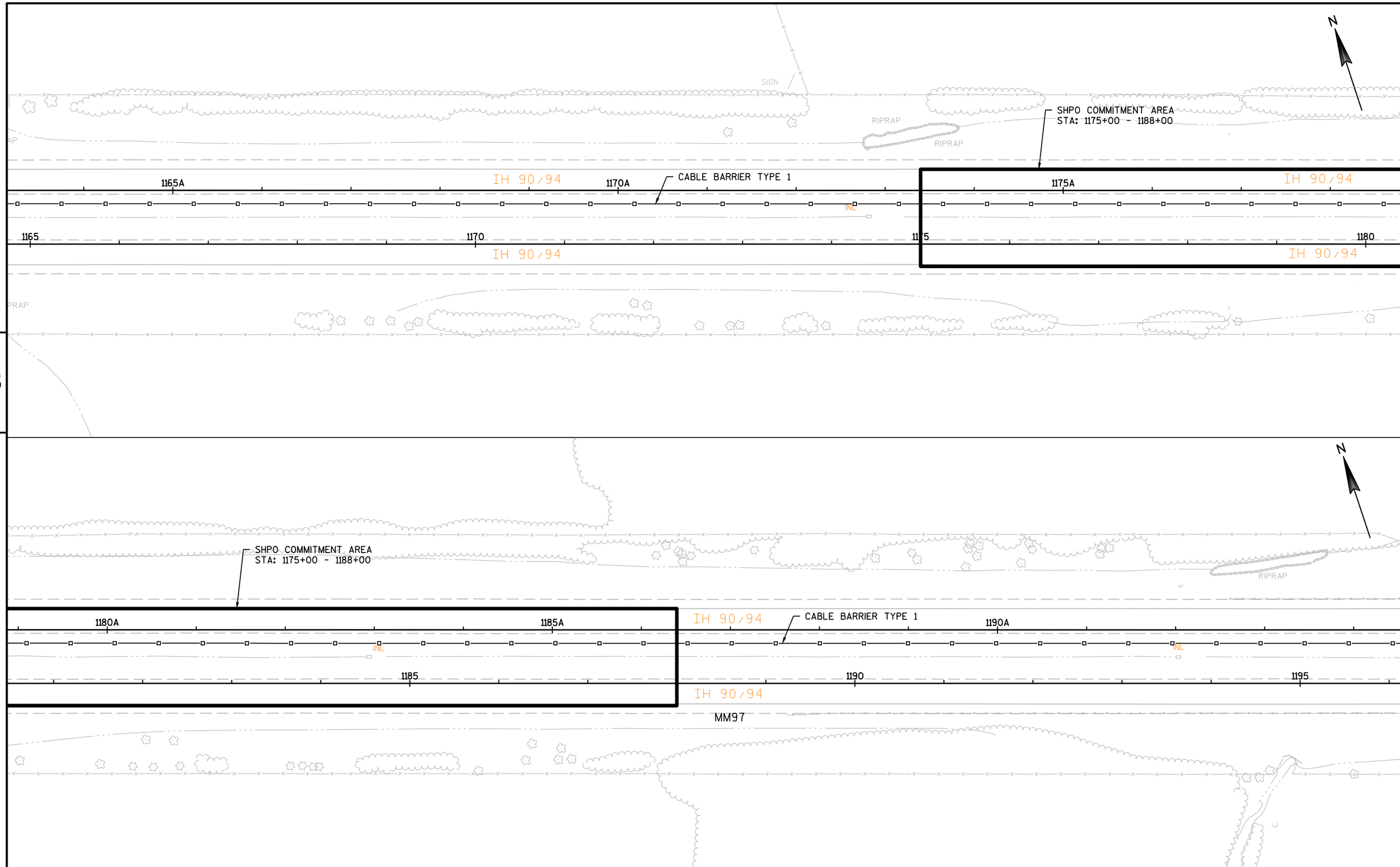


PROJECT NO:1016-02-60	HWY:IH 90/94	COUNTY:SAUK	PLAN	SHEET 101	E

FILE NAME : N:\PDS\C3D\10160230\SHEETSPLAN\050202_PN.DWG
LAYOUT NAME - (31)

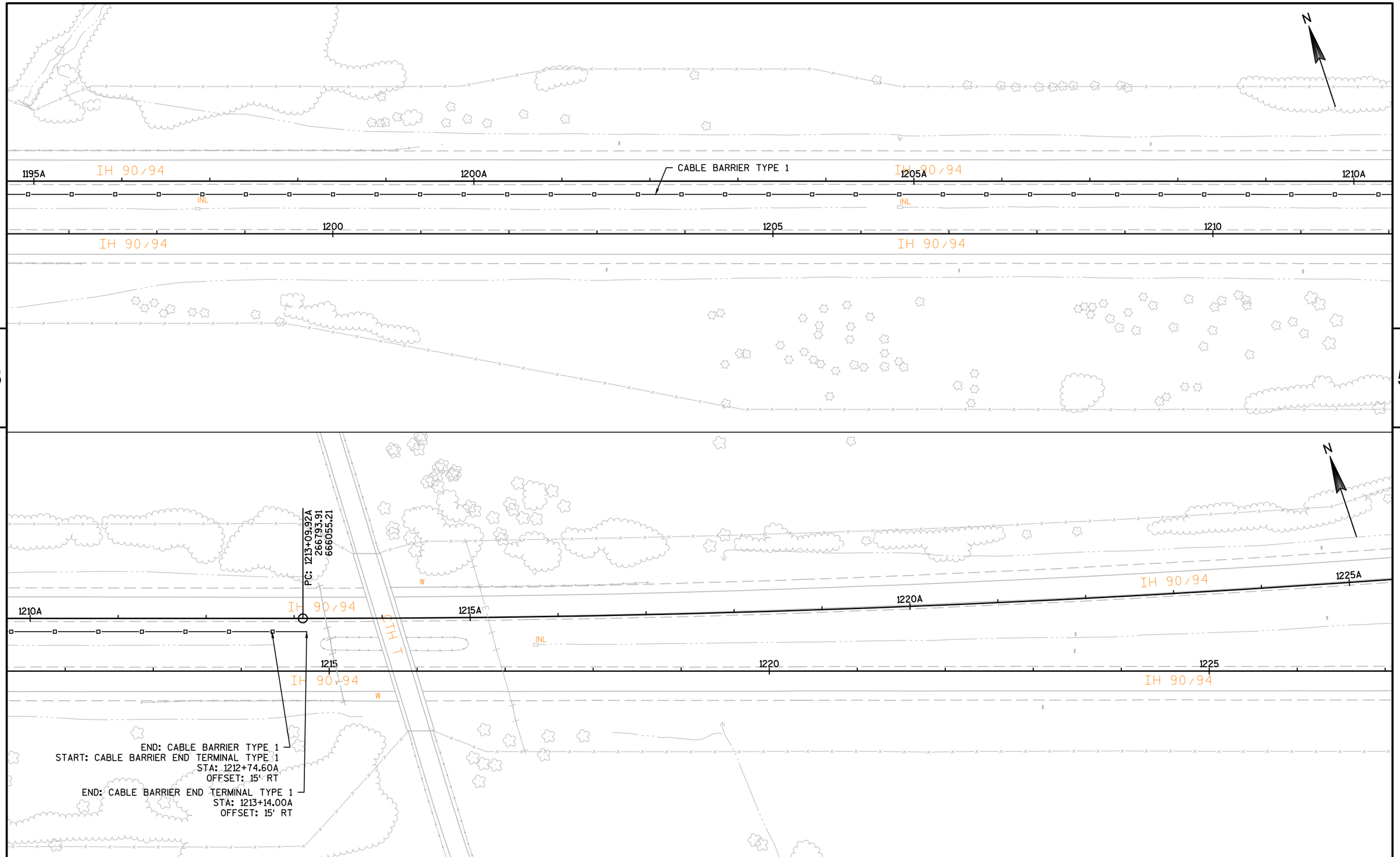
PLOT DATE : 6/6/2016 10:02 AM PLOT BY : MECUM, BRANDYN W PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44



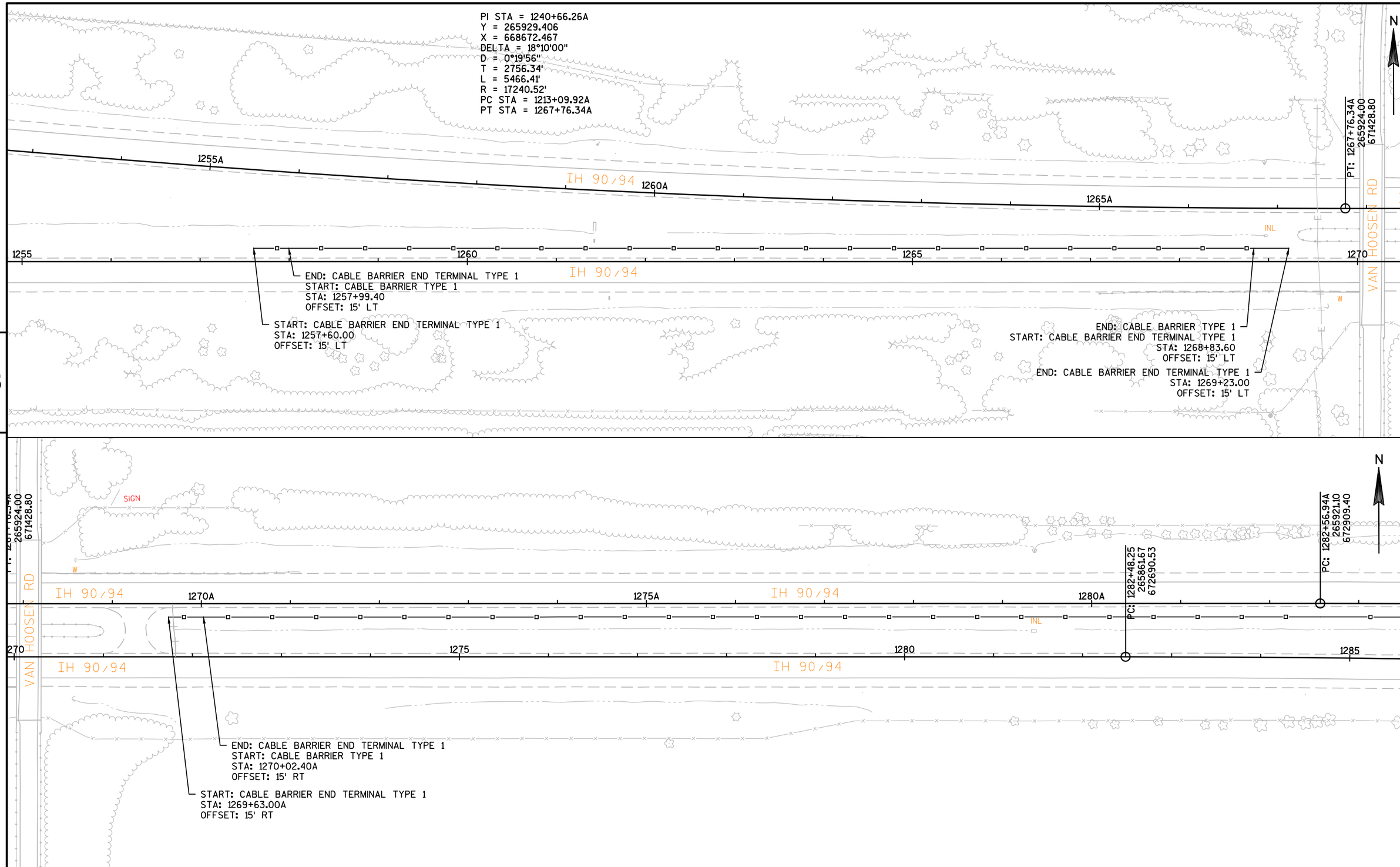
PROJECT NO:1016-02-60	HWY:IH 90/94	COUNTY:SAUK	PLAN	SHEET 102	E

FILE NAME : N:\PDS\C3D\10160230\SHEETSPLAN\050202_PN.DWG
LAYOUT NAME - (33)
PLOT DATE : 6/6/2016 10:03 AM PLOT BY : MECUM, BRANDYN W PLOT NAME : PLOT SCALE : 1 IN:100 FT



PROJECT NO:1016-02-60	HWY:IH 90/94	COUNTY:SAUK	PLAN	SHEET 103	E

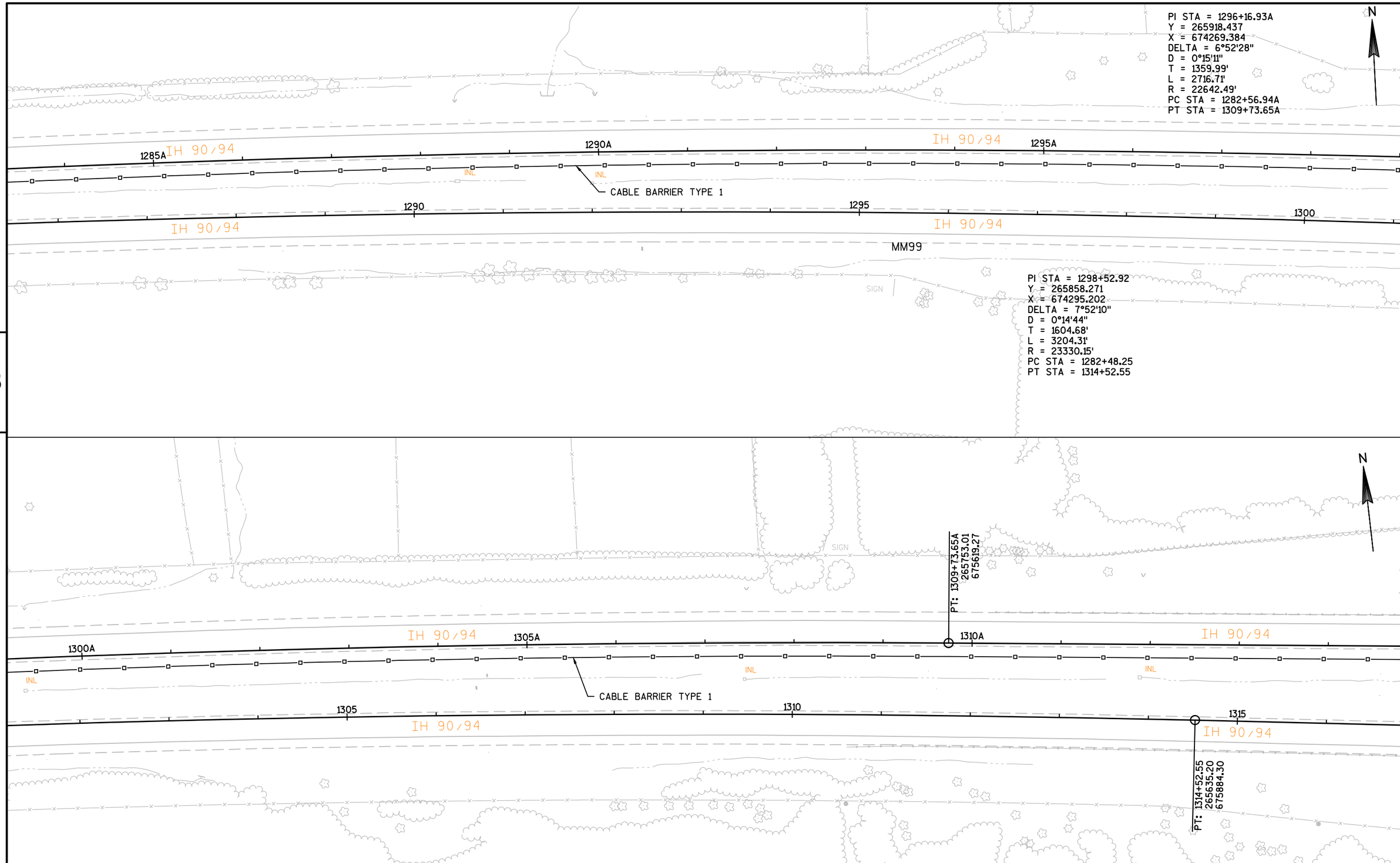
FILE NAME : N:\PDS\C3D\10160230\SHEETSPLAN\050202_PN.DWG
LAYOUT NAME - (35)
PLOT DATE : 6/6/2016 10:04 AM PLOT BY : MECUM, BRANDYN W PLOT NAME : PLOT SCALE : 1 IN:100 FT



END: CABLE BARRIER END TERMINAL TYPE 1
START: CABLE BARRIER TYPE 1
STA: 1270+02.40A
OFFSET: 15' RT

START: CABLE BARRIER END TERMINAL TYPE 1
STA: 1269+63.00A
OFFSET: 15' RT

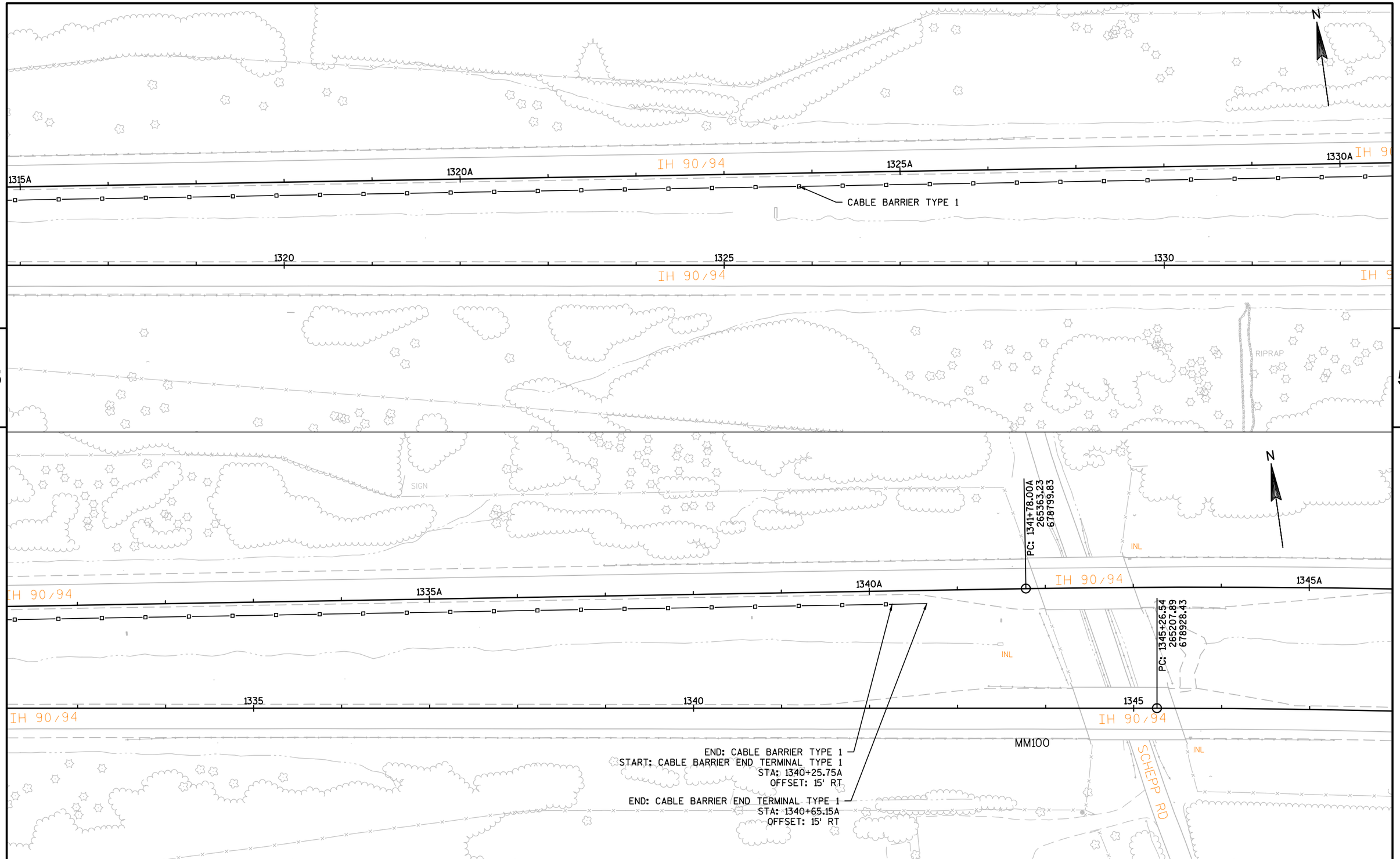
PROJECT NO:1016-02-60	HWY:IH 90/94	COUNTY:SAUK	PLAN	SHEET 104	E



PROJECT NO:1016-02-60	HWY:IH 90/94	COUNTY:SAUK	PLAN	SHEET 105	E

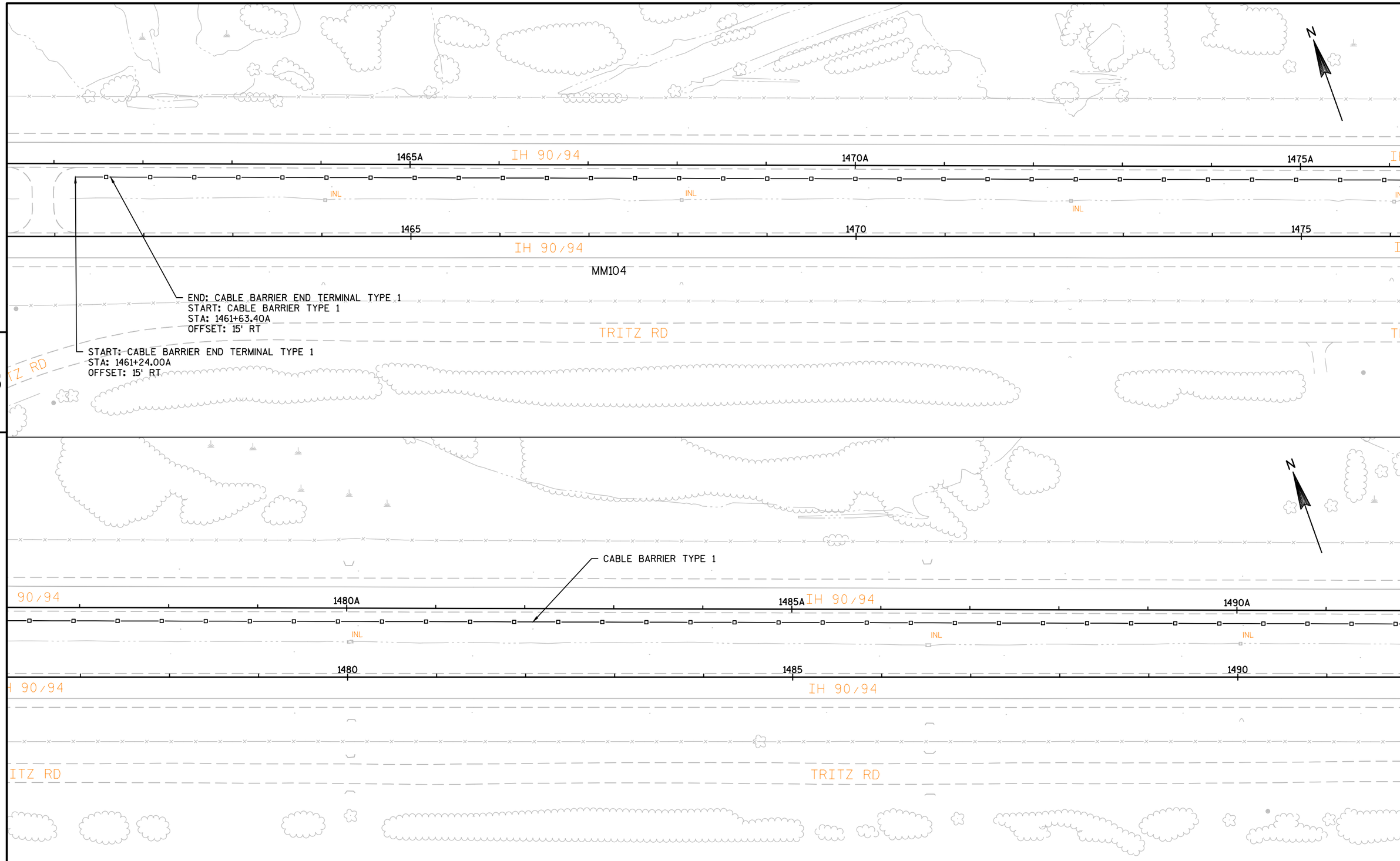
FILE NAME : N:\PDS\C3D\10160230\SHEETSPLAN\050202_PN.DWG
LAYOUT NAME - (39)
PLOT DATE : 6/6/2016 10:05 AM PLOT BY : MECUM, BRANDYN W PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44



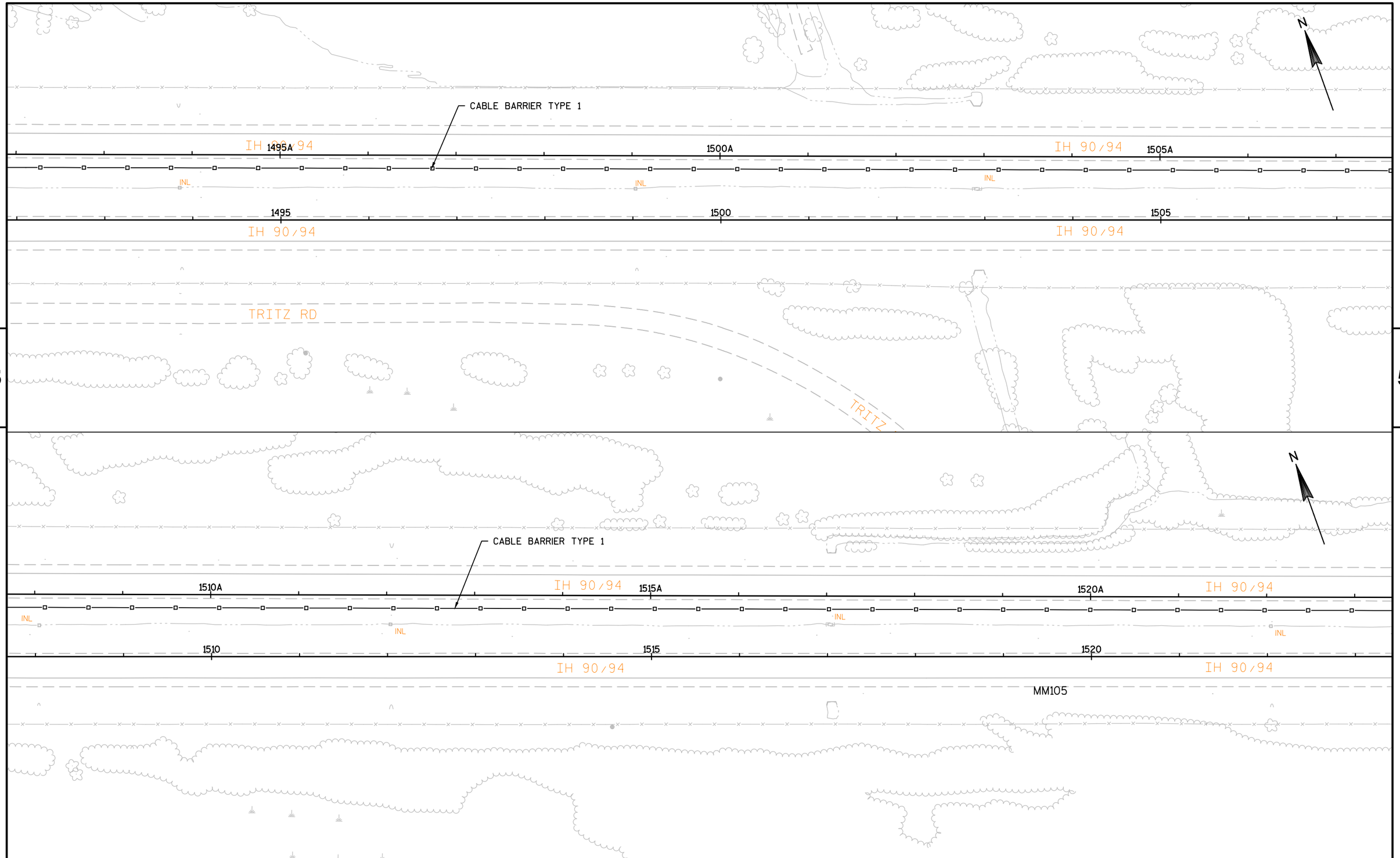
PROJECT NO:1016-02-60	HWY:IH 90/94	COUNTY:SAUK	PLAN	SHEET 106	E

FILE NAME : N:\PDS\C3D\10160230\SHEETSPLAN\050202_PN.DWG
LAYOUT NAME - (41)
PLOT DATE : 7/7/2016 8:30 AM PLOT BY : MECUM, BRANDYN W PLOT NAME : PLOT SCALE : 1 IN:100 FT



PROJECT NO:1016-02-60	HWY:IH 90/94	COUNTY:COLUMBIA	PLAN	SHEET 107	E

FILE NAME : N:\PDS\C3D\10160230\SHEETSPLAN\050203_PN.DWG
LAYOUT NAME - (1)
PLOT DATE : 5/31/2016 8:33 AM PLOT BY : MECUM, BRANDYN W PLOT NAME : PLOT SCALE : 1 IN:100 FT

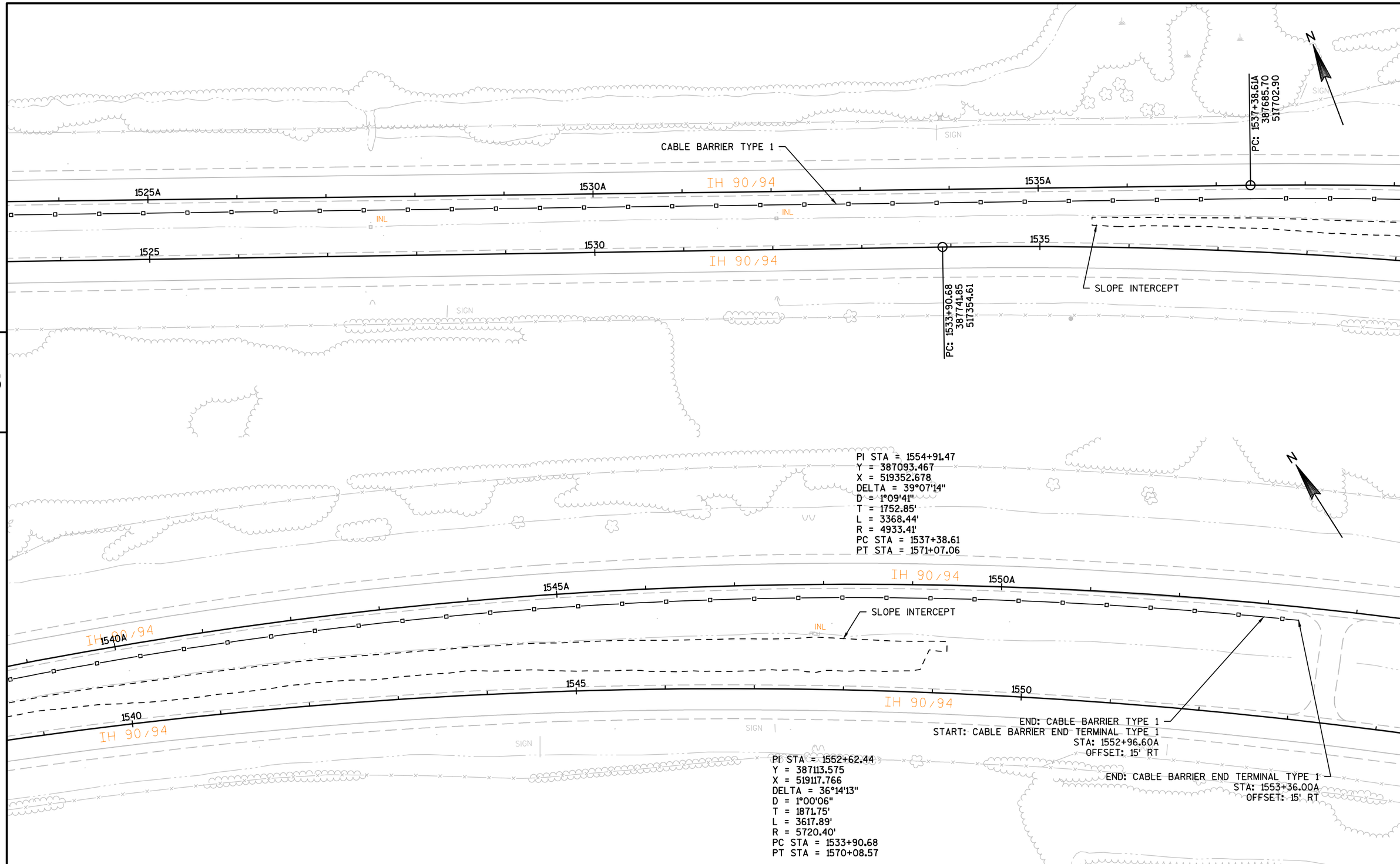


5

5

PROJECT NO:1016-02-60	HWY:IH 90/94	COUNTY:COLUMBIA	PLAN	SHEET 108	E

FILE NAME : N:\PDS\C3D\10160230\SHEETSPLAN\050203_PN.DWG
LAYOUT NAME - (3)
PLOT DATE : 5/31/2016 8:34 AM PLOT BY : MECUM, BRANDYN W PLOT NAME : PLOT SCALE : 1 IN:100 FT



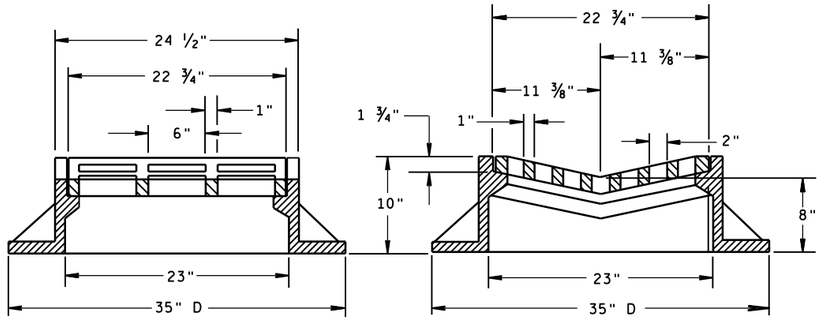
PROJECT NO:1016-02-60	HWY:IH 90/94	COUNTY:COUNTY:COLUMBIA	PLAN	SHEET 109	E

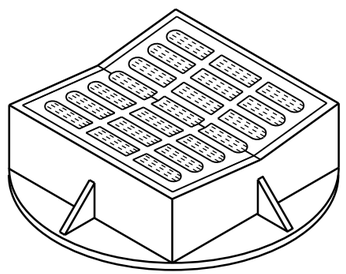
FILE NAME : N:\PDS\C3D\10160230\SHEETSPLAN\050203_PN.DWG
LAYOUT NAME - (5)
PLOT DATE : 5/31/2016 8:34 AM PLOT BY : MECUM, BRANDYN W PLOT NAME : PLOT SCALE : 1 IN:100 FT

Standard Detail Drawing List

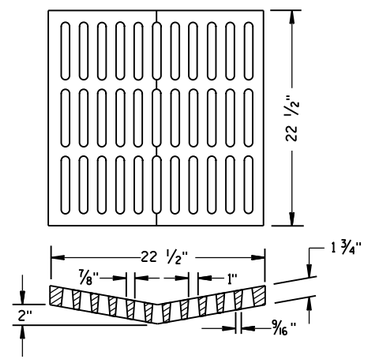
08A05-19B	INLET COVERS TYPE B, B-A, C, MS, MS-A, & WM
08C08-01	INLETS MEDIAN 1 AND 2 GRATE
08C09-01	INLETS MEDIAN 3 AND 4 GRATE
08D02-06	CONCRETE SURFACE DRAINS FLUME TYPE AT STRUCTURES
08D15-05A	EDGEDRAIN OUTLET AND OUTFALL MARKERS
08E08-03	TYPICAL INSTALLATIONS OF EROSION BALES / TEMPORARY DITCH CHECKS
08E09-06	SILT FENCE
08E10-02	INLET PROTECTION TYPE A, B, C AND D
08F01-11	APRON ENDWALLS FOR CULVERT PIPE
08F06-04	REINFORCED CONCRETE APRON ENDWALL FOR PIPE UNDERDRAIN
13A05-05A	SHOULDER RUMBLE STRIP, MILLING
14B15-08A	STEEL PLATE BEAM GUARD, CLASS "A" INSTALLATION & ELEMENTS
14B15-08B	STEEL PLATE BEAM GUARD, CLASS "A" INSTALLATION & ELEMENTS
14B15-08C	STEEL PLATE BEAM GUARD, CLASS "A", INSTALLATION & ELEMENTS
14B18-06A	STEEL PLATE BEAM GUARD, CLASS "A" (AT BRIDGES, OBSTACLES AND SIDEROADS/DRIVEWAYS)
14B20-11A	STEEL THRIE BEAM STRUCTURE APPROACH
14B20-11D	STEEL THRIE BEAM STRUCTURE APPROACH, CONNECTION TO SLOPED END PARAPETS
14B24-08A	STEEL PLATE BEAM GUARD ENERGY ABSORBING TERMINAL
14B24-08B	STEEL PLATE BEAM GUARD ENERGY ABSORBING TERMINAL
14B24-08C	STEEL PLATE BEAM GUARD ENERGY ABSORBING TERMINAL
14B52-01A	CABLE BARRIER TYPE 1 LAYOUT
14B52-01B	CABLE BARRIER TYPE 1 LAYOUT
15D12-06A	TRAFFIC CONTROL, LANE CLOSURE
15D12-06B	TRAFFIC CONTROL, LANE CLOSURE, SPEED REDUCTION
15D27-03	TRAFFIC CONTROL, SHOULDER CLOSURE ON DIVIDED ROADWAY, SPEEDS GREATER THAN 40 MPH
15D38-01A	TEMPORARY TRAFFIC CONTROL FIXED MESSAGE SIGNS
15D38-01B	ATTACHMENT OF SIGNS TO POSTS

6





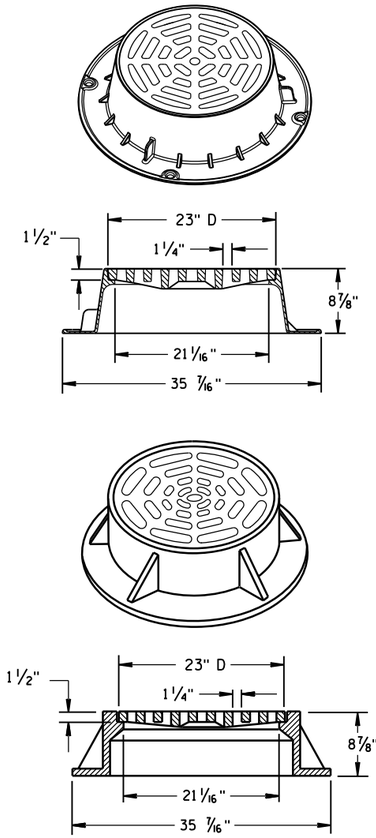
TYPE "B"



ALTERNATIVE GRATE FOR TYPE "B" COVER

USE WHERE PEDESTRIAN OR BICYCLE TRAFFIC IS POSSIBLE.

NOTED AS TYPE B-A ON THE DRAINAGE TABLE



TYPE "C"

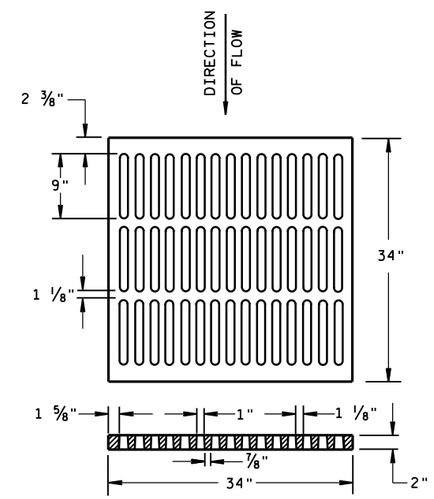
NOTE: EITHER CASTING IS ACCEPTABLE

GENERAL NOTES

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

DETAIL DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR CATCH BASIN, MANHOLE AND INLET COVERS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

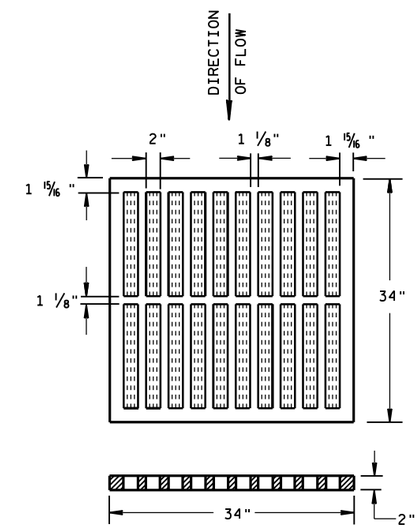
ROUND FRAMES AND COVERS SHALL HAVE CONTINUOUSLY MACHINED BEARING SURFACES TO PREVENT ROCKING AND RATTLING.



ALTERNATIVE TYPE "MS"

USE WHERE PEDESTRIAN OR BICYCLE TRAFFIC IS PERMITTED

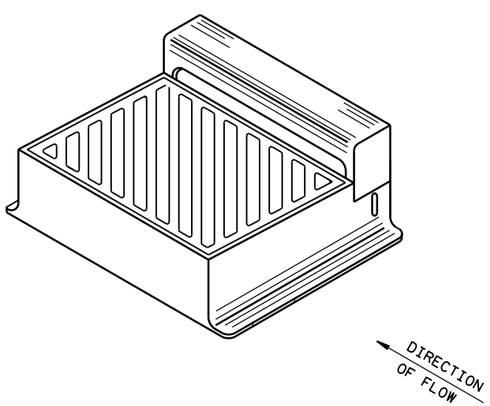
NOTED AS TYPE MS-A ON THE DRAINAGE TABLE



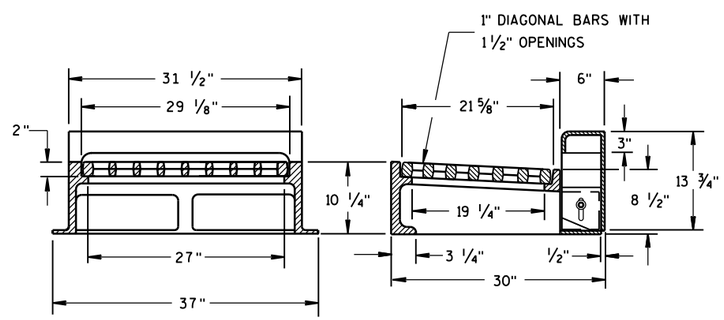
TYPE "MS"

USE ON FREEWAYS AND EXPRESSWAYS

NOTED AS TYPE MS ON DRAINAGE TABLE



DIAGONAL SLOTS, SHALL BE ORIENTED TO THE DIRECTION OF FLOW AS ILLUSTRATED. GRATES ARE MANUFACTURED TO BE REVERSIBLE.



NOTE: CURB BOX HEIGHT ADJUSTABLE 6" TO 9"

TYPE "WM"

6

6

S.D.D. 8 A 5-19b

S.D.D. 8 A 5-19b

INLET COVERS
TYPE B, B-A, C, MS, MS-A, & WM

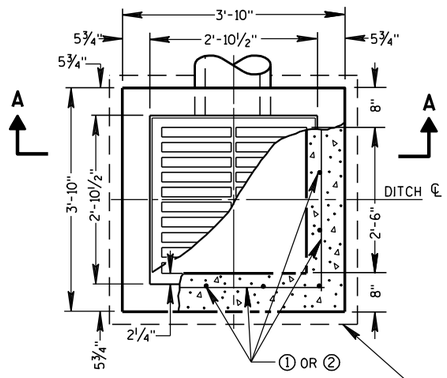
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

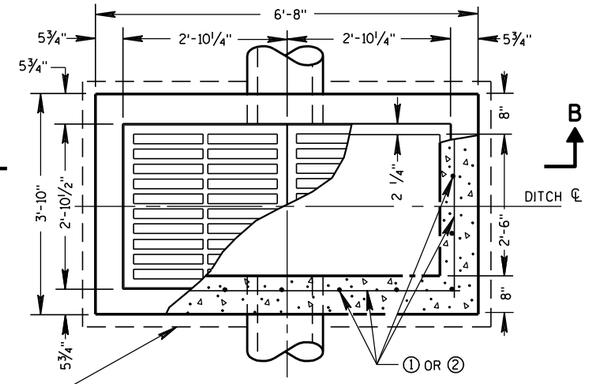
11/27/2013 — DATE

/S/ Jerry H. Zogg — ROADWAY STANDARDS DEVELOPMENT ENGINEER

FHWA

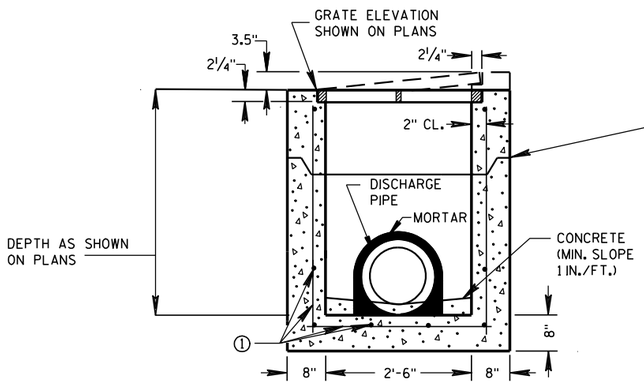


PLAN VIEW

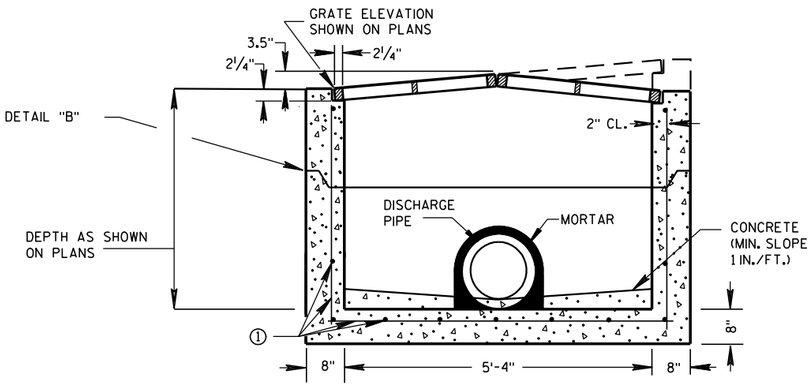


PLAN VIEW

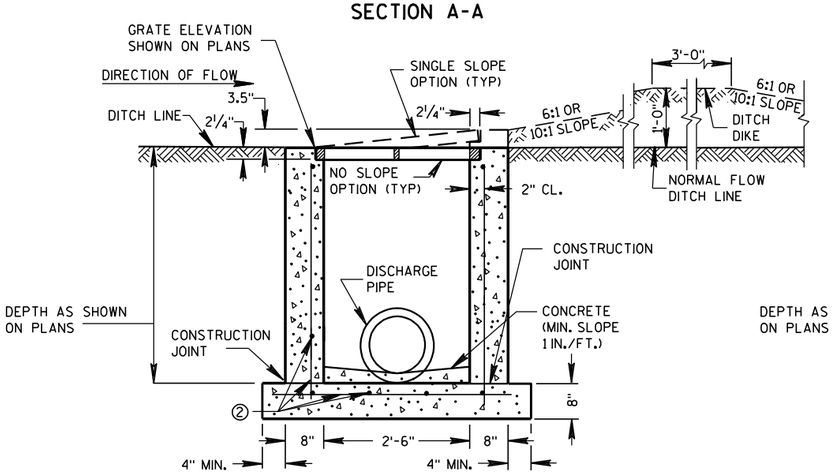
4" OVERHANGING BASE ON REINFORCED CAST-IN-PLACE CONCRETE INLETS



PRECAST REINFORCED CONCRETE SECTION A-A

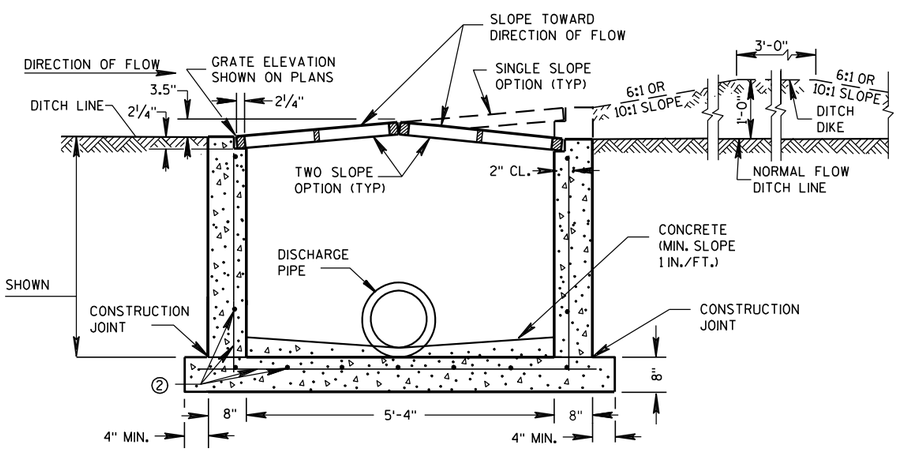


PRECAST REINFORCED CONCRETE SECTION B-B



REINFORCED CAST-IN-PLACE CONCRETE SECTION A-A

INLETS MEDIAN 1 GRATE



REINFORCED CAST-IN-PLACE CONCRETE SECTION B-B

INLETS MEDIAN 2 GRATE

GENERAL NOTES

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

UNLESS OTHERWISE AUTHORIZED IN WRITING BY THE ENGINEER, THE CONTRACTOR SHALL NOT ORDER AND DELIVER PRECAST INLET UNITS REQUIRED FOR THE PROJECT UNTIL A LIST OF SIZES IS FURNISHED BY THE ENGINEER.

DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR INLETS WHICH MAY INCLUDE PRECAST REINFORCED CONCRETE INLETS, SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ALL MEDIAN INLETS ARE DESIGNATED ON THE PLANS AS "INLETS, 1G-MS", ETC. THE FIRST NUMBER AND LETTER DESIGNATE THE TYPE OF STRUCTURE, AND THE FOLLOWING LETTERS DESIGNATE THE TYPE OF COVER TO BE USED TO COMPRISE THE COMPLETE UNIT.

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

PRECAST REINFORCED RISERS SHALL HAVE A TONGUE AND GROOVE JOINT WITH TONGUE UP OR DOWN.

ALL PRECAST INLET UNITS SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF ASTM C 913.

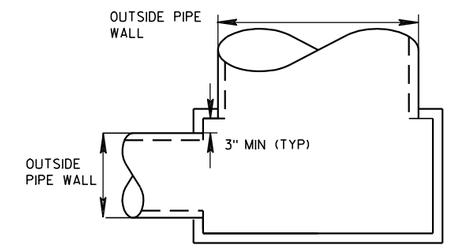
MAXIMUM INSIDE PIPE DIAMETER DETERMINED BY 3" CLEARANCE ON EACH SIDE OF THE OUTSIDE WALL OF THE PIPE. SEE DETAIL "A". ASSUMES PIPE ENTERS PERPENDICULAR TO THE STRUCTURE.

① FOR PRECAST INLETS PROVIDE REINFORCING STEEL IN ACCORDANCE TO ASTM C 913.

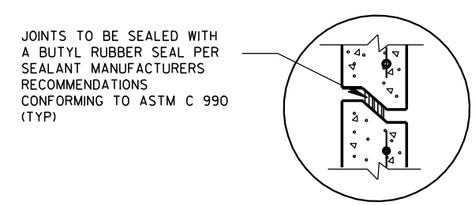
② CONTRACTOR TO PROVIDE DRAWING(S) STAMPED BY A PROFESSIONAL ENGINEER FOR STEEL REINFORCING DESIGN FOR CAST-IN-PLACE STRUCTURES.

PIPE MATRIX

	MAXIMUM INSIDE PIPE DIAMETER	
INLET SIZE	WIDTH (IN)	LENGTH (IN)
1 GRATE	18	18
2 GRATE	18	42



DETAIL "A"



DETAIL "B"

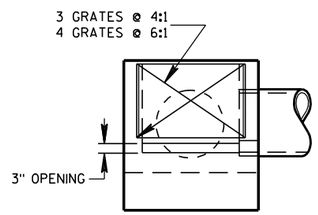
INLETS MEDIAN 1 AND 2 GRATE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

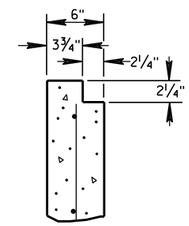
APPROVED
6/5/2012 — DATE
/S/ Jerry H. Zogg — ROADWAY STANDARDS DEVELOPMENT ENGINEER
FHWA

6

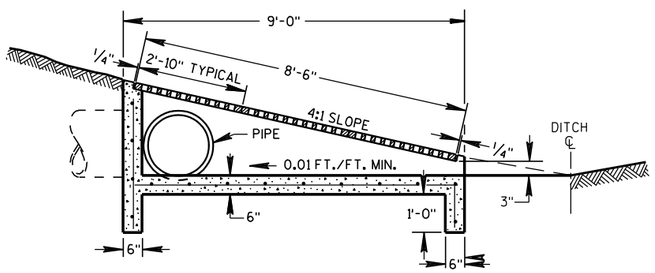
S.D.D. 8 C 8-1



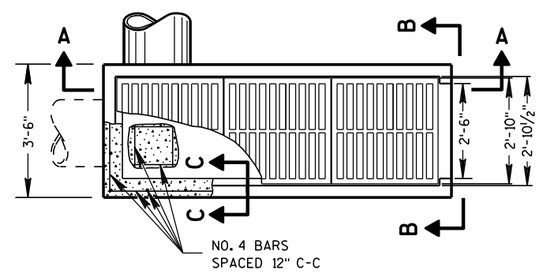
SECTION B-B



SECTION C-C

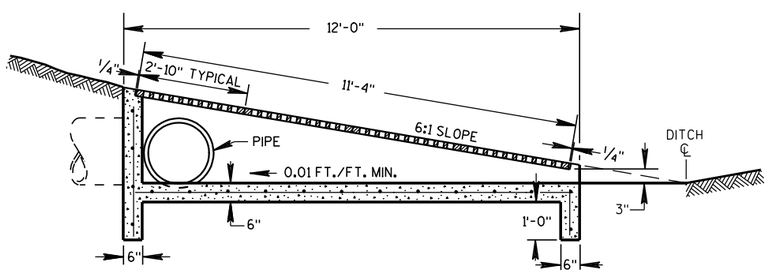


SECTION A-A

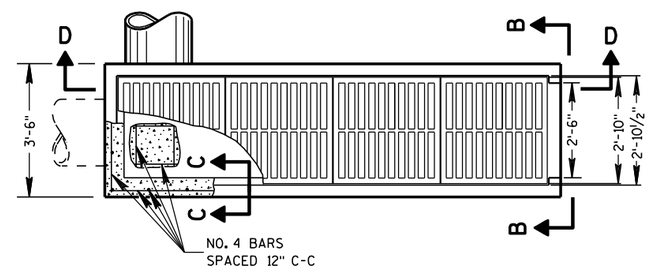


PLAN VIEW

INLETS MEDIAN 3 GRATE



SECTION D-D



PLAN VIEW

INLETS MEDIAN 4 GRATE

GENERAL NOTES

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

UNLESS OTHERWISE AUTHORIZED IN WRITING BY THE ENGINEER, THE CONTRACTOR SHALL NOT ORDER AND DELIVER PRECAST INLET UNITS REQUIRED FOR THE PROJECT UNTIL A LIST OF SIZES IS FURNISHED BY THE ENGINEER.

DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR INLETS WHICH MAY INCLUDE PRECAST REINFORCED CONCRETE INLETS, SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ALL MEDIAN INLETS ARE DESIGNATED ON THE PLANS AS "INLETS, 3G-MS", ETC. THE FIRST NUMBER AND LETTER DESIGNATE THE TYPE OF STRUCTURE, AND THE FOLLOWING LETTERS DESIGNATE THE TYPE OF COVER TO BE USED TO COMPRISE THE COMPLETE UNIT.

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

ALL PRECAST INLET UNITS SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF ASTM C 913.

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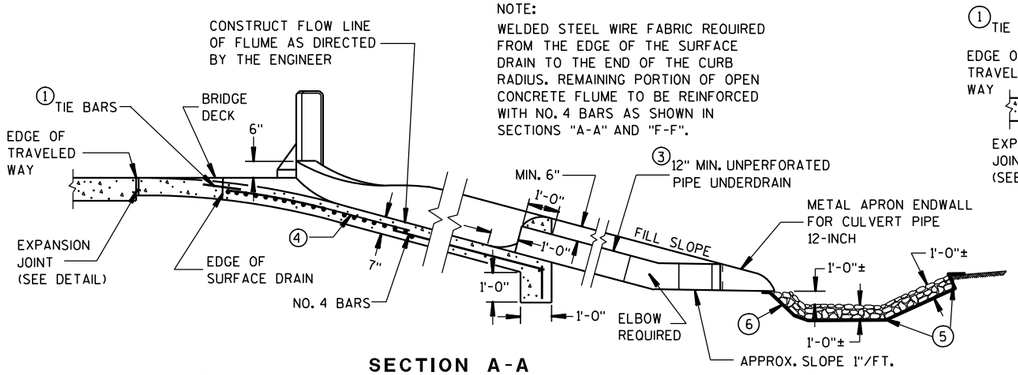
S.D.D. 8 C 9-1

S.D.D. 8 C 9-1

INLETS MEDIAN 3 AND 4 GRATE

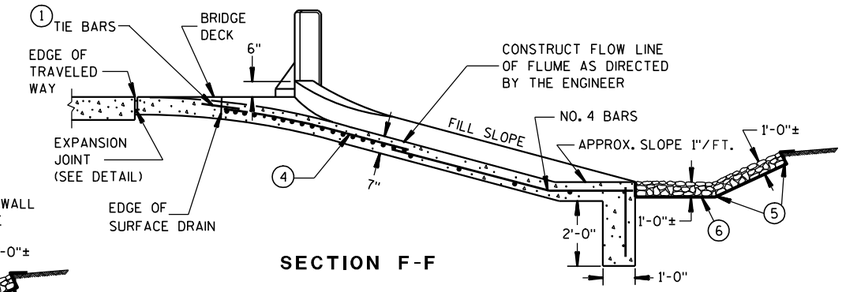
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
6/5/2012 — DATE
/S/ Jerry H. Zogg — ROADWAY STANDARDS DEV ENGINEER
FHWA



NOTE:
WELDED STEEL WIRE FABRIC REQUIRED FROM THE EDGE OF THE SURFACE DRAIN TO THE END OF THE CURB RADIUS. REMAINING PORTION OF OPEN CONCRETE FLUME TO BE REINFORCED WITH NO. 4 BARS AS SHOWN IN SECTIONS "A-A" AND "F-F".

SECTION A-A



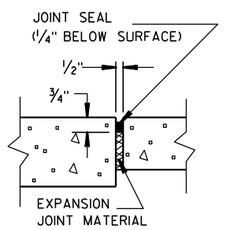
SECTION F-F

GENERAL NOTES

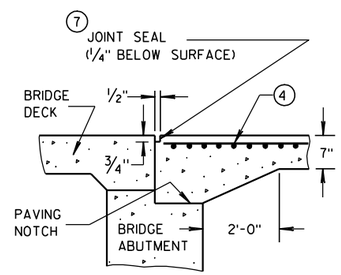
DETAILS OF CONSTRUCTION, MATERIALS, AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

ALL STEEL REINFORCEMENT SHALL BE EMBEDDED 2 INCHES CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

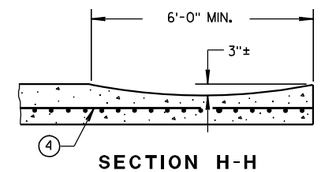
1. NO. 4 X 2'-0" TIE BARS SPACED AT 3'-0" CENTERS TO BE USED ONLY WHEN ADJACENT TO P.C. CONCRETE.
2. NO. 4 X 2'-0" TIE BARS SPACED AT 12" CENTERS TO BE PLACED BY BRIDGE CONTRACTOR, OR DRILLED TIE BARS PLACED AS DIRECTED BY THE ENGINEER.
3. PIPE UNDERDRAIN MAY BE ANY OF THE MATERIALS LISTED IN SECTION 612.2 OF THE STANDARD SPECIFICATIONS EXCEPT DRAIN TILE.
4. MINIMUM REINFORCEMENT SHALL BE 6" X 6" - W4.0 X W4.0 OR NO. 3 BARS LONGITUDINAL AND TRANSVERSE SPACING 12" C-C.
5. LIMITS OF ADDITIONAL RIPRAP WHEN SPECIAL DITCH IS REQUIRED.
6. GEOTEXTILE FABRIC, TYPE 'R'
7. HOT POURED SEALANT UNLESS OTHERWISE SPECIFIED.
8. THIS DIMENSION MAY VARY DEPENDING ON THE SPACING OF POSTS FOR THE STEEL PLATE BEAM GUARD. THE TYPICAL LOCATION FOR THE SURFACE DRAIN IS WHERE THE POST SPACING WIDENS TO 3'-1½".



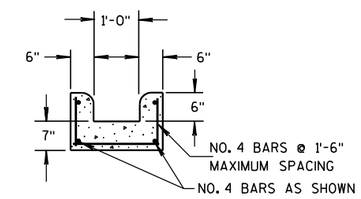
EXPANSION JOINT DETAIL



SECTION D-D

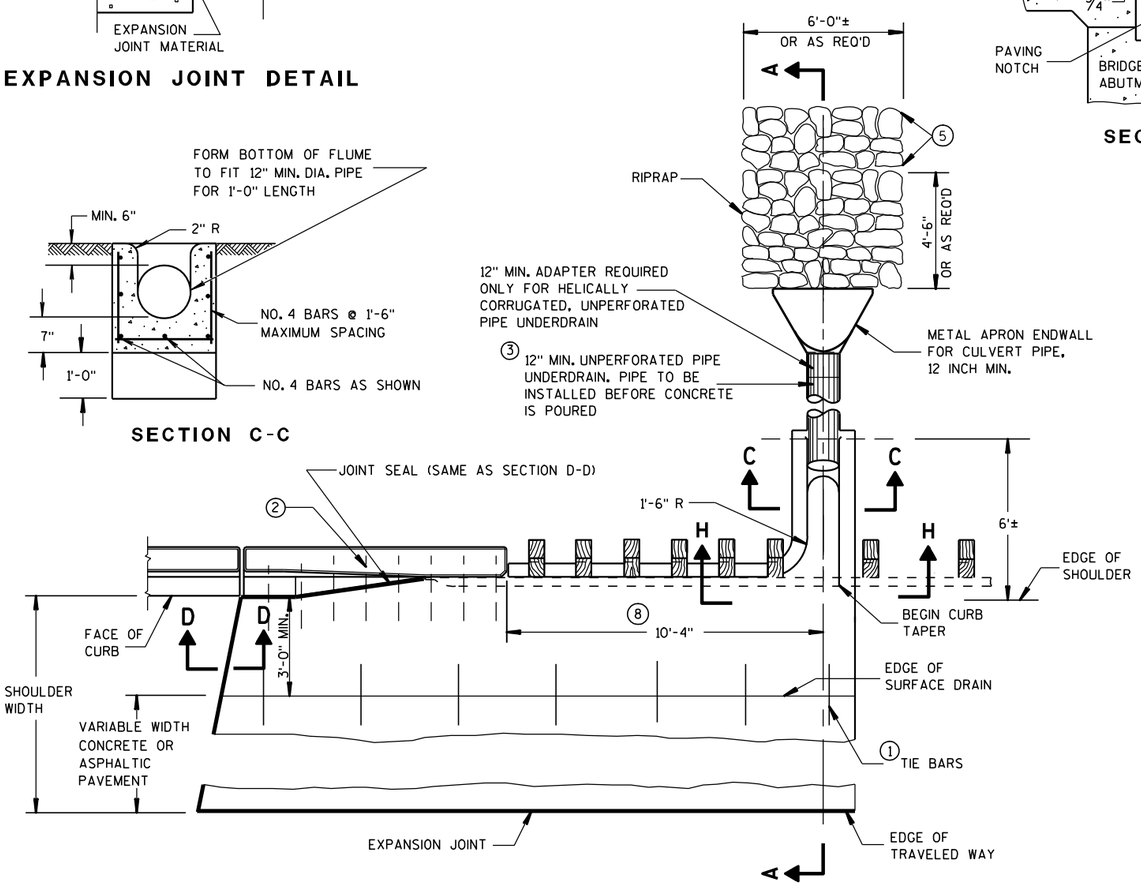


SECTION H-H

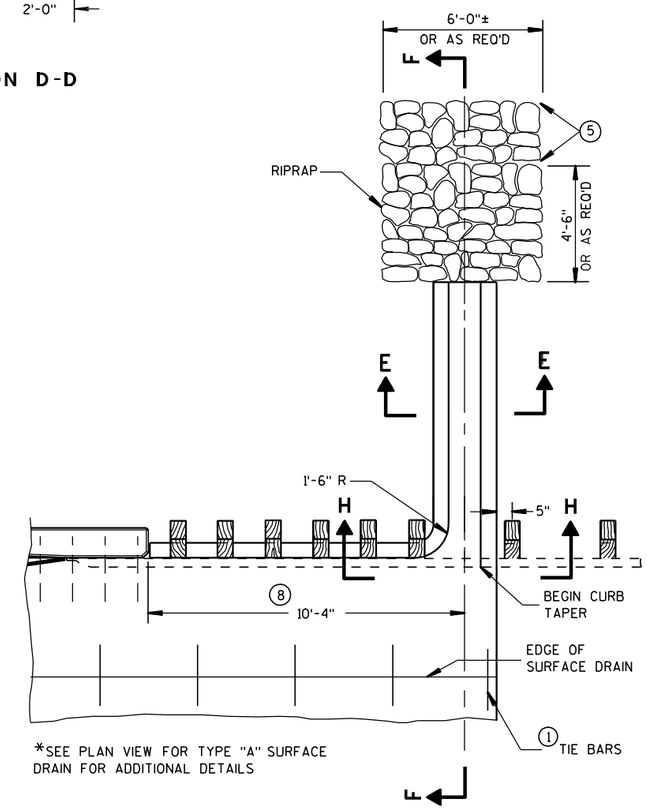


SECTION E-E

SECTION C-C

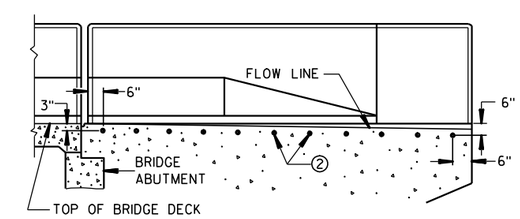


PLAN VIEW
SURFACE DRAIN WITH PIPE
TYPE "A"



*SEE PLAN VIEW FOR TYPE "A" SURFACE DRAIN FOR ADDITIONAL DETAILS

*PARTIAL PLAN VIEW
SURFACE DRAIN WITHOUT PIPE
TYPE "B"



LOCATION OF
TIE BARS IN WINGWALL

CONCRETE SURFACE DRAINS FLUME TYPE AT STRUCTURES	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED 9/4/08 DATE	/S/ Jerry H. Zogg ROADWAY STANDARDS ENGINEER
FHWA	

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S.D.D. 8 D 2-6

S.D.D. 8 D 2-6

GENERAL NOTES

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

(1) UNPERFORATED PIPE UNDERDRAIN AND FITTINGS FURNISHED FOR OUTFALL PIPE SHALL MEET THE REQUIREMENTS OF ONE OF THE FOLLOWING SPECIFICATIONS:

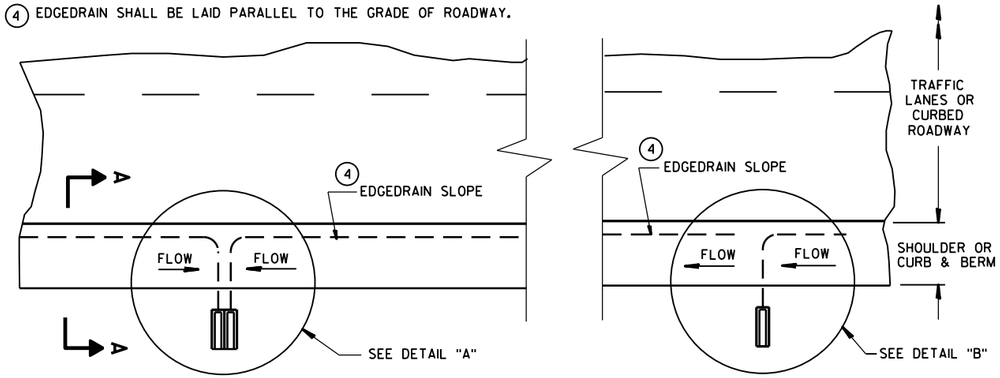
POLYVINYL CHLORIDE (PVC) PLASTIC DRAIN, WASTE, AND VENT PIPE AND FITTINGS, ASTM D 2665, SCHEDULE 40 PVC.

TYPE PSM POLYVINYL CHLORIDE (PVC) SEWER PIPE AND FITTINGS, ASTM D 3034, SDR 23.5 PVC SEWER PIPE.

(2) MAXIMUM SPACING OF EDGEDRAIN OUTLETS SHALL BE 250 FEET UNLESS OTHERWISE SPECIFIED IN THE CONTRACT OR DIRECTED BY THE ENGINEER.

(3) EDGEDRAIN SHALL BE CONNECTED TO INLETS REGARDLESS OF FLOW DIRECTION FOR DRAINAGE AND MAINTENANCE ACCESS.

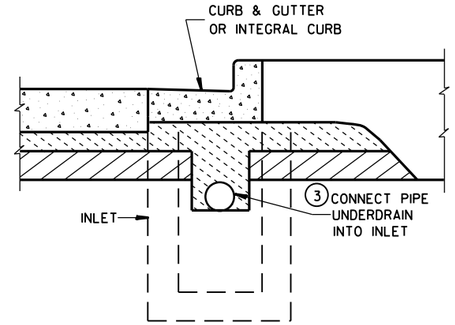
(4) EDGEDRAIN SHALL BE LAID PARALLEL TO THE GRADE OF ROADWAY.



PLAN VIEW

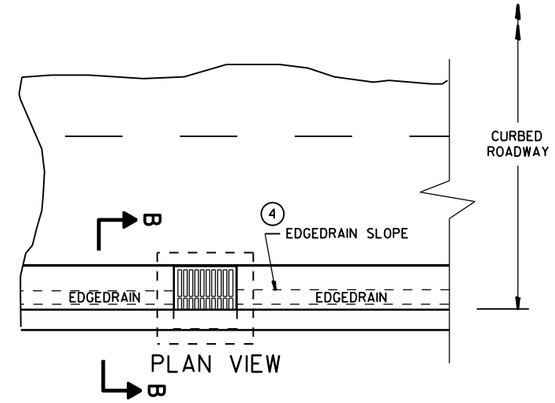
ROADWAY WITH SHOULDERS OR CURBS

(EDGEDRAIN OUTLETS TO ROADSIDE)(2)



SECTION B-B

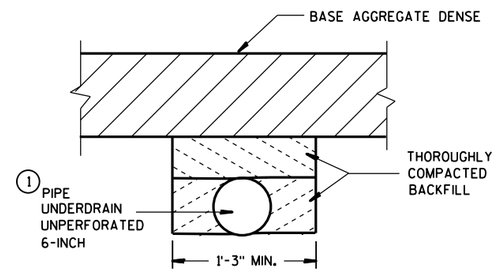
URBAN CROSS SECTION



PLAN VIEW

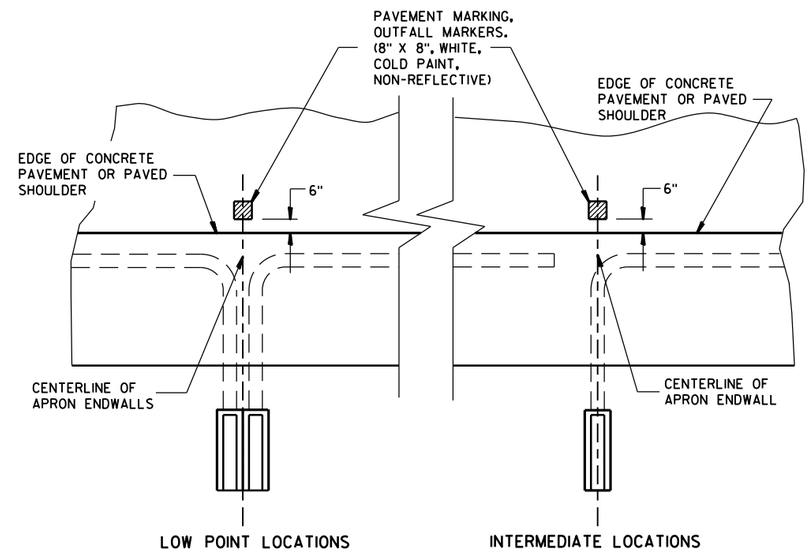
ROADWAY WITH CURBS

(EDGEDRAIN CONNECTS INTO INLET STRUCTURE)



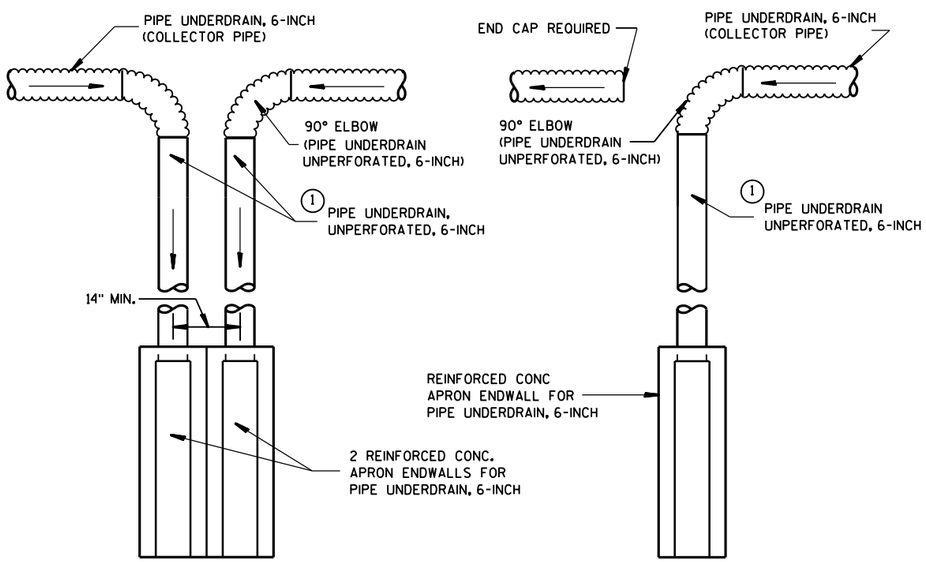
SECTION C-C

(TRENCH FOR OUTFALL PIPE)



PLAN VIEW

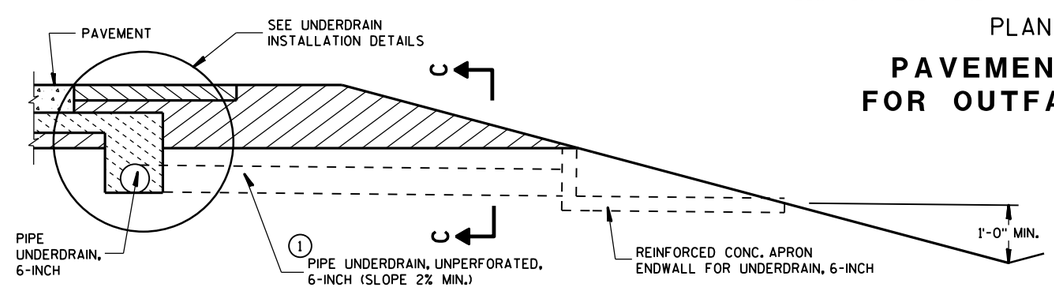
PAVEMENT MARKING FOR OUTFALL MARKERS



DETAIL "A"
TO BE USED AT LOW POINT LOCATIONS

DETAIL "B"
TO BE USED AT INTERMEDIATE LOCATIONS

TYPICAL DRAIN OUT DETAILS



SECTION A-A

RURAL CROSS SECTION

EDGEDRAIN OUTLET AND OUTFALL MARKERS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR

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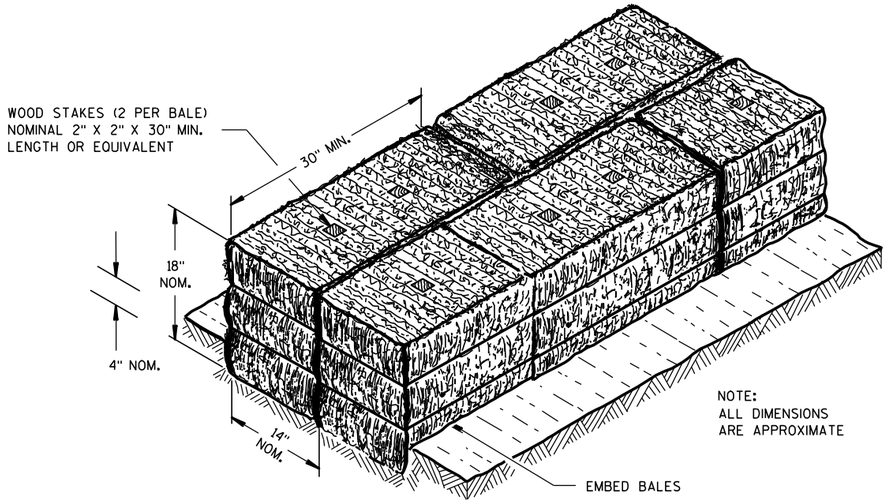
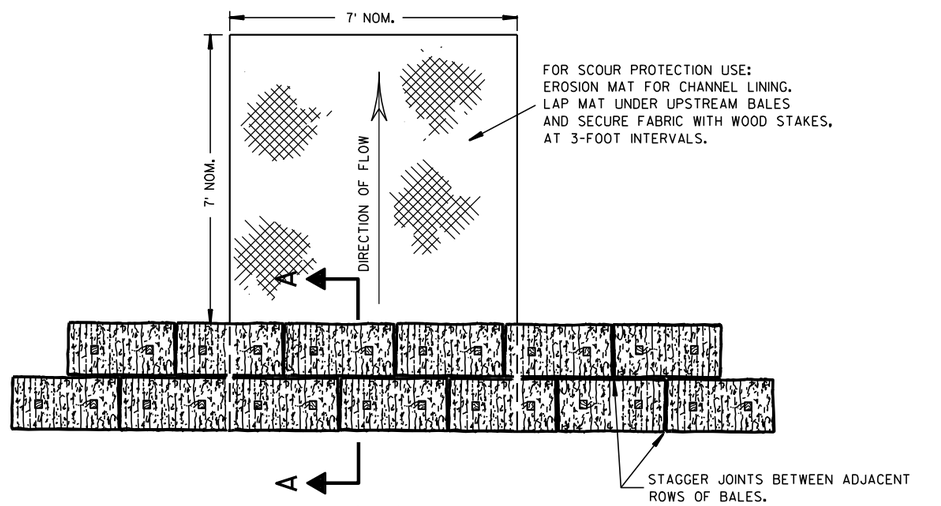
S.D.D. 8 D 15-5a

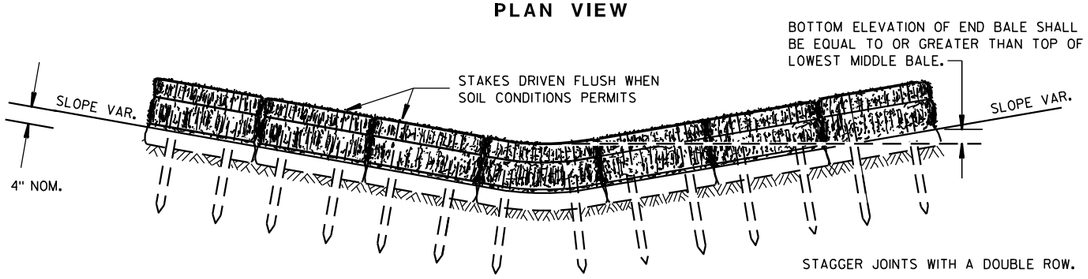
S.D.D. 8 D 15-5a



SECTION A-A



PLAN VIEW



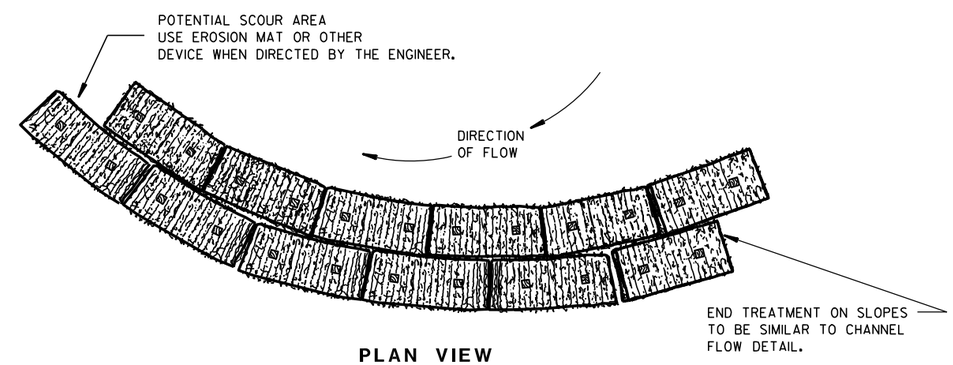
FRONT ELEVATION

TEMPORARY DITCH CHECK USING EROSION BALES ①

GENERAL NOTES

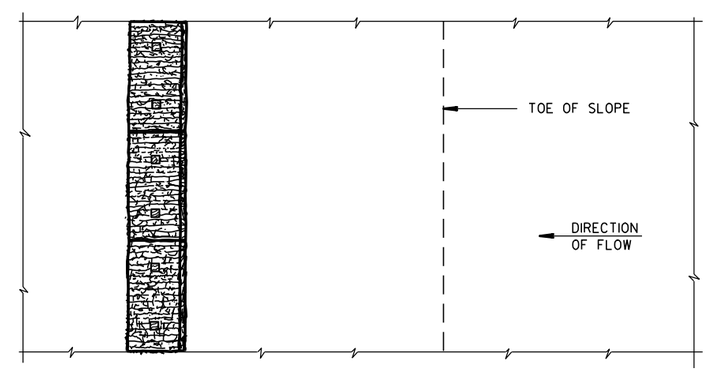
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

① TEMPORARY DITCH CHECKS EITHER EROSION BALES OR MANUFACTURED SHALL BE PAID FOR UNDER THE BID ITEM OF TEMPORARY DITCH CHECK. THE DEPARTMENT WILL NOT PAY FOR TEMPORARY DITCH CHECKS CONSTRUCTED OF A SINGLE ROW OF EROSION BALES.

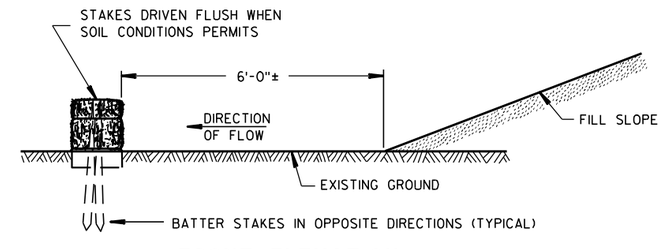


PLAN VIEW

WHEN ALTERING THE DIRECTION OF FLOW



PLAN VIEW



FRONT ELEVATION

WHEN EXISTING GROUND SLOPES AWAY FROM FILL SLOPE

EROSION BALES FOR SHEET FLOW

TYPICAL INSTALLATIONS OF EROSION BALES / TEMPORARY DITCH CHECKS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
6/04/02 — DATE
/S/ Beth Cann — CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

6

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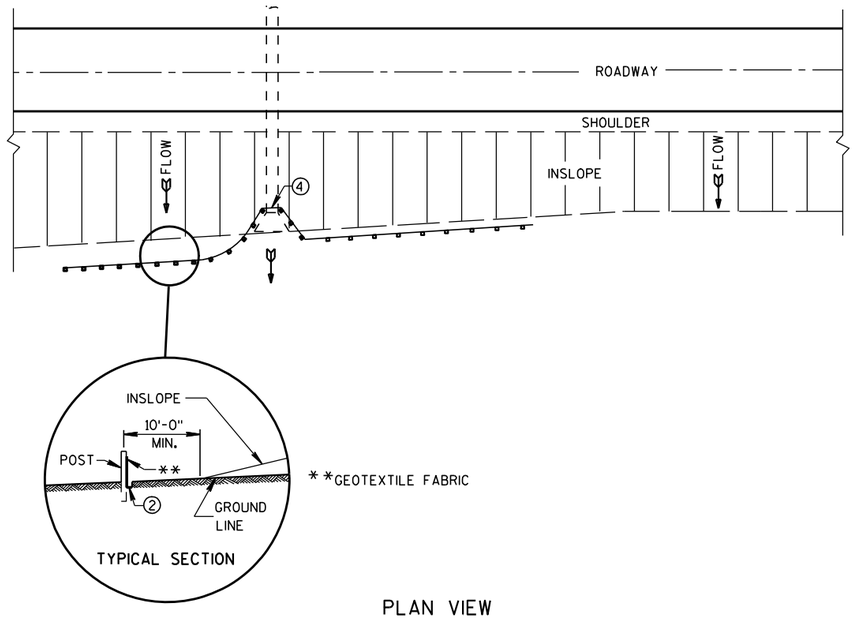
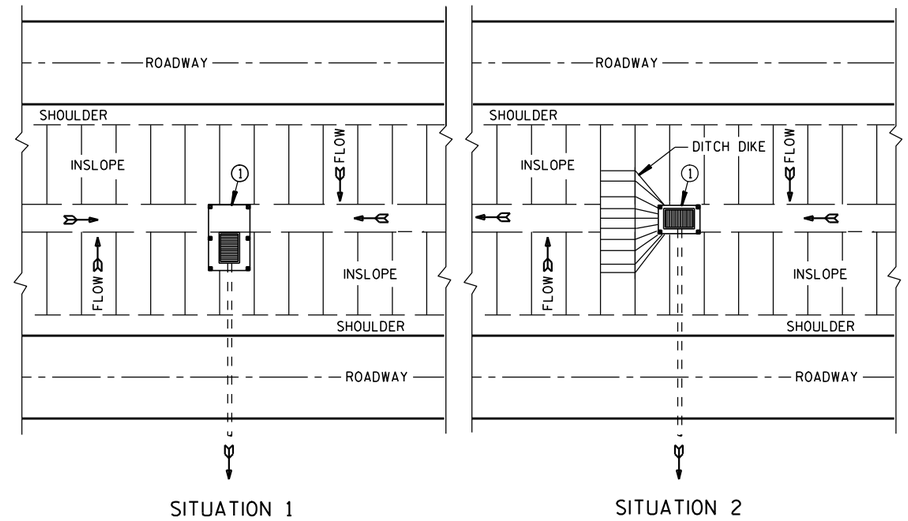
S.D.D. 8 E 8-3

S.D.D. 8 E 8-3



PLAN VIEW

TYPICAL APPLICATION OF SILT FENCE



PLAN VIEW

SILT FENCE AT MEDIAN SURFACE DRAINS

GENERAL NOTES

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

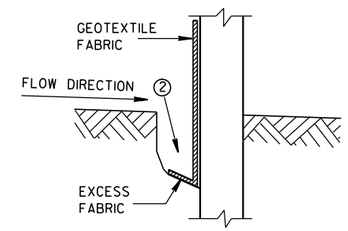
① HORIZONTAL BRACE REQUIRED WITH 2" X 4" WOODEN FRAME OR EQUIVALENT AT TOP OF POSTS.

② FOR MANUAL INSTALLATIONS THE TRENCH SHALL BE A MINIMUM OF 4" WIDE & 6" DEEP TO BURY AND ANCHOR THE GEOTEXTILE FABRIC. FOLD MATERIAL TO FIT TRENCH AND BACKFILL & COMPACT TRENCH WITH EXCAVATED SOIL.

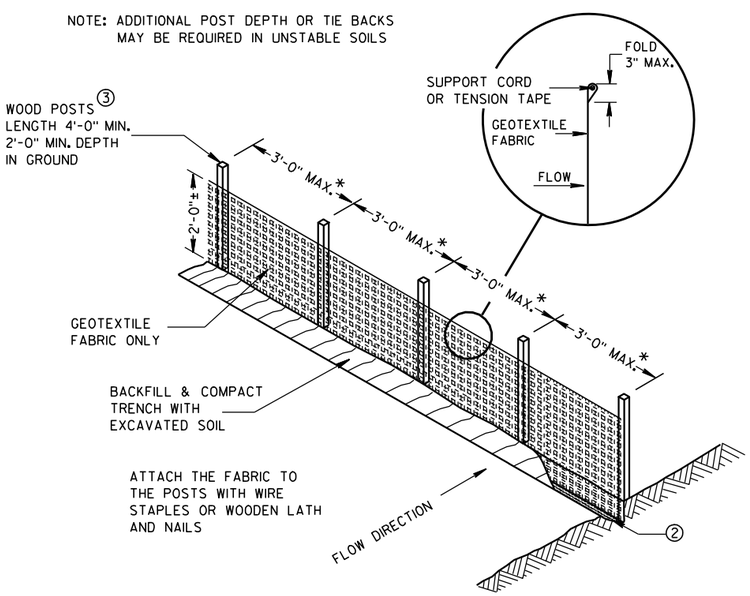
③ WOOD POSTS SHALL BE A MINIMUM SIZE OF 1⅛" X 1⅛" OF OAK OR HICKORY.

④ SILT FENCE TO EXTEND ACROSS THE TOP OF THE PIPE.

⑤ CONSTRUCT SILT FENCE FROM A CONTINUOUS ROLL IF POSSIBLE BY CUTTING LENGTHS TO AVOID JOINTS. IF A JOINT IS NECESSARY USE ONE OF THE FOLLOWING TWO METHODS; A) OVERLAP THE END POSTS AND TWIST, OR ROTATE, AT LEAST 180 DEGREES. B) HOOK THE END OF EACH SILT FENCE LENGTH.

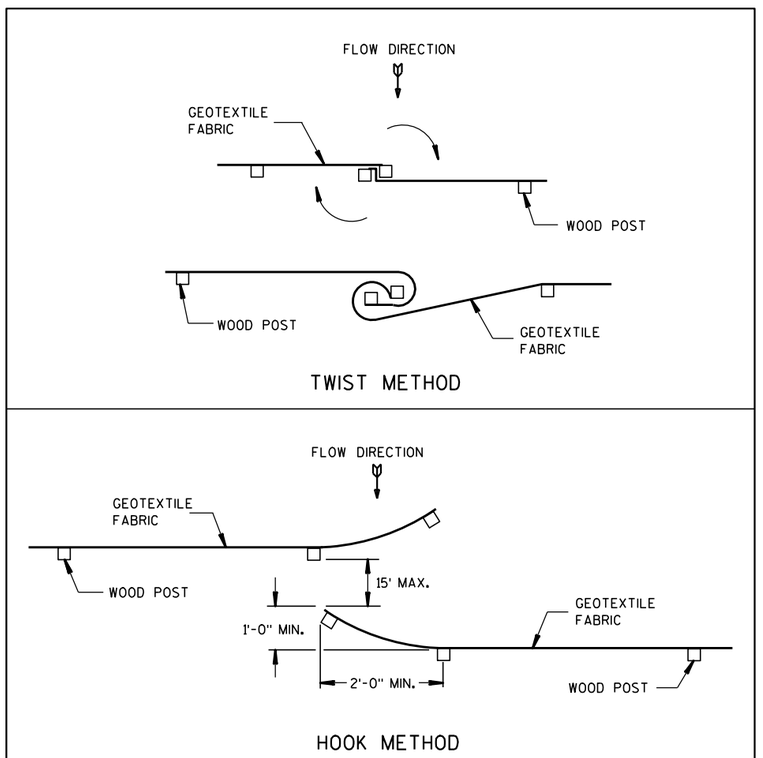


TRENCH DETAIL

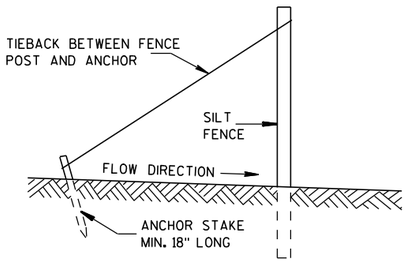


*NOTE: 8'-0" POST SPACING ALLOWED IF A WOVEN GEOTEXTILE FABRIC IS USED.

SILT FENCE



JOINING TWO LENGTHS OF SILT FENCE ⑤



SILT FENCE TIE BACK

(WHEN REQUIRED BY THE ENGINEER)

SILT FENCE	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED 4-29-05 DATE	/S/ Beth Cann-- CHIEF ROADWAY DEVELOP ENGINEER
FHWA	

6

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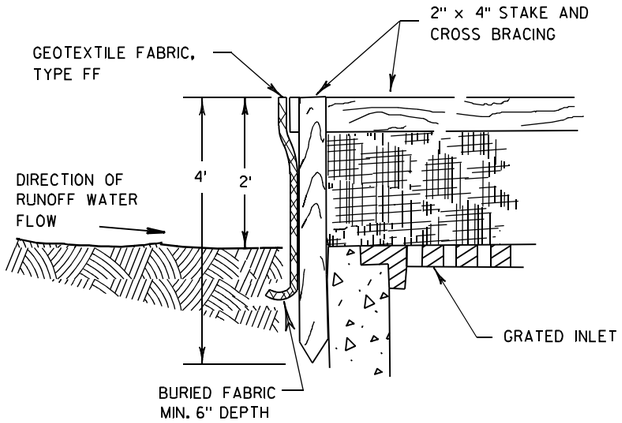
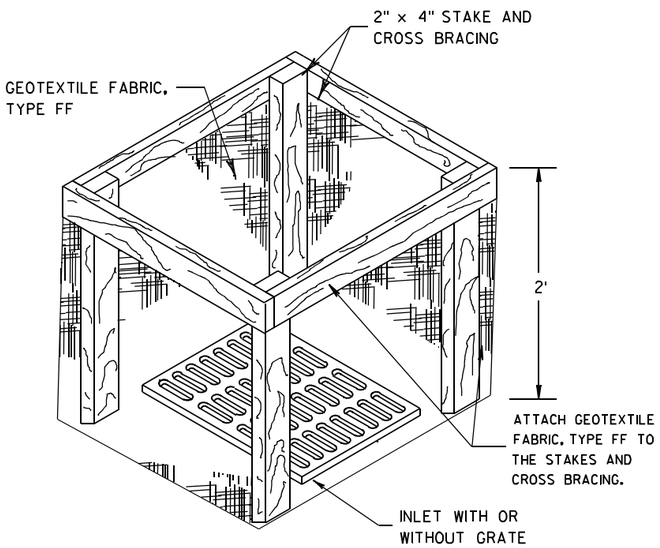
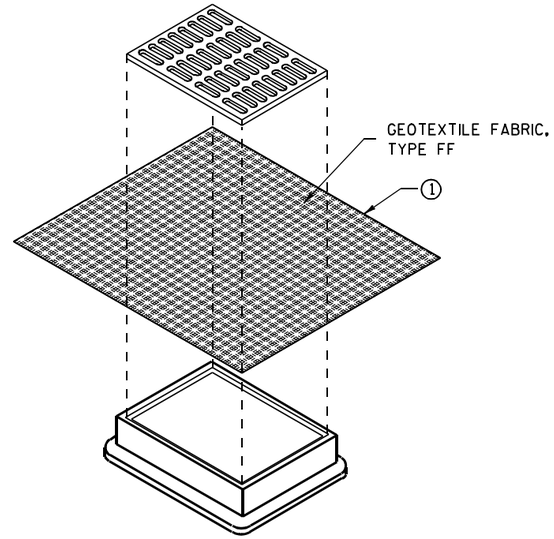
S.D.D. 8 E 9-6

S.D.D. 8 E 9-6



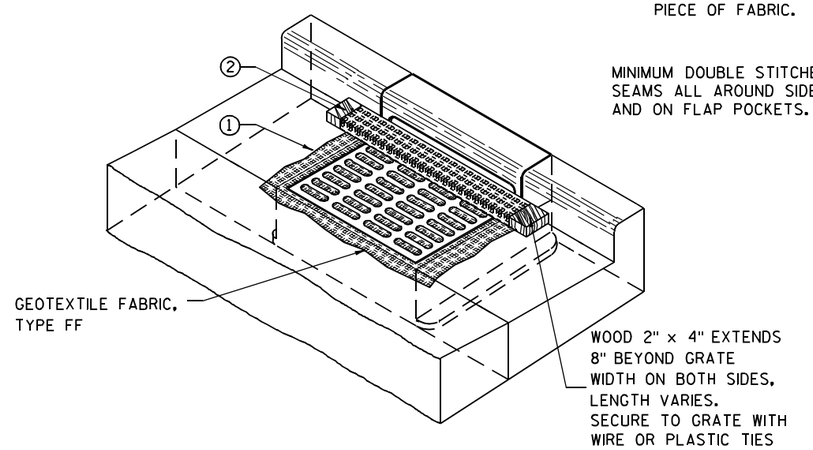


INLET PROTECTION, TYPE A

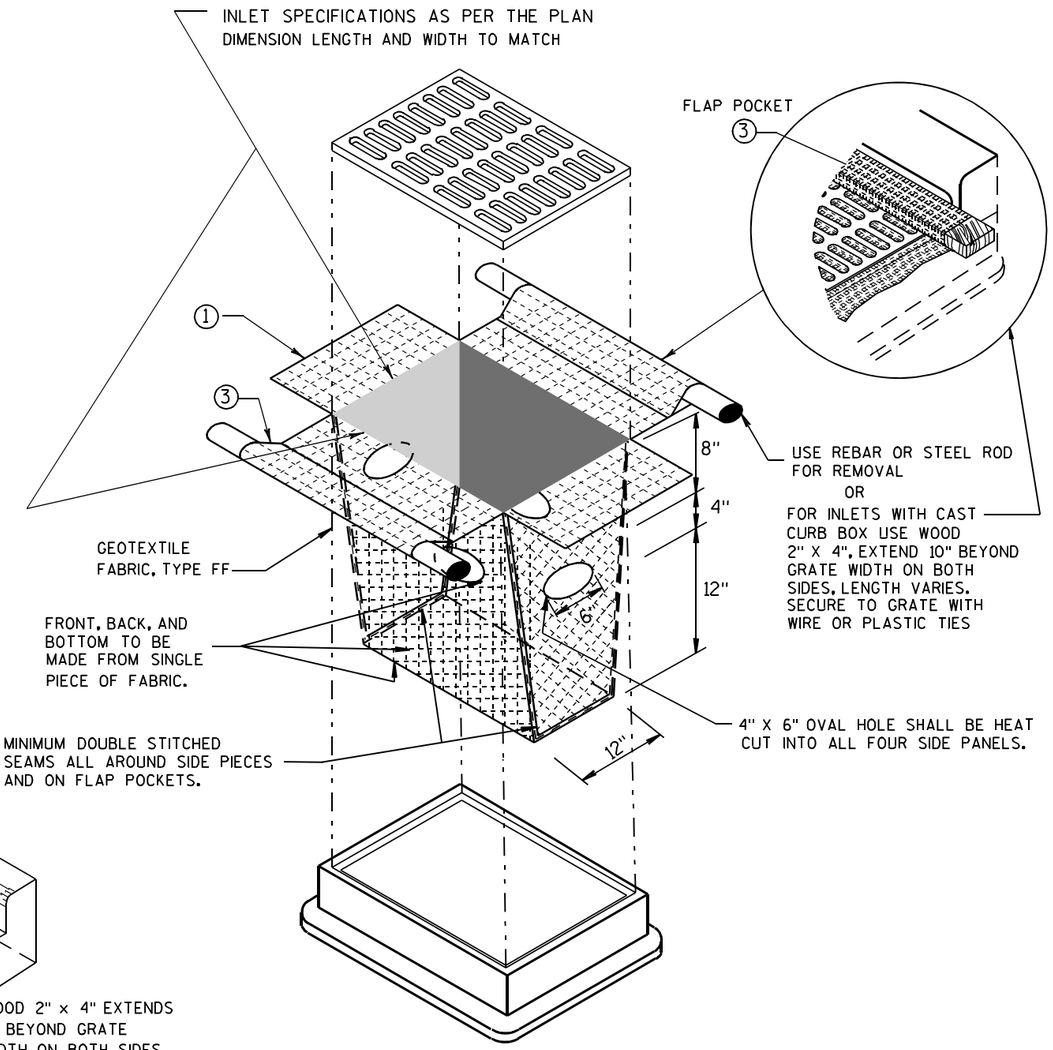


INLET PROTECTION, TYPE B (WITHOUT CURB BOX)

(CAN BE INSTALLED IN ANY INLET WITHOUT A CURB BOX)



INLET PROTECTION, TYPE C (WITH CURB BOX)



INLET PROTECTION, TYPE D

(CAN BE INSTALLED IN ANY INLET TYPE WITH OR WITHOUT A CURB BOX AS PER NOTE ②)

GENERAL NOTES

INLET PROTECTION DEVICES SHALL BE MAINTAINED OR REPLACED AT THE DIRECTION OF THE ENGINEER.

MANUFACTURED ALTERNATIVES APPROVED AND LISTED ON THE DEPARTMENT'S EROSION CONTROL PRODUCT ACCEPTABILITY LIST MAY BE SUBSTITUTED.

WHEN REMOVING OR MAINTAINING INLET PROTECTION, CARE SHALL BE TAKEN SO THAT THE SEDIMENT TRAPPED ON THE GEOTEXTILE FABRIC DOES NOT FALL INTO THE INLET. ANY MATERIAL FALLING INTO THE INLET SHALL BE REMOVED IMMEDIATELY.

① FINISHED SIZE, INCLUDING FLAP POCKETS WHERE REQUIRED, SHALL EXTEND A MINIMUM OF 10" AROUND THE PERIMETER TO FACILITATE MAINTENANCE OR REMOVAL.

② FOR INLET PROTECTION, TYPE C (WITH CURB BOX), AN ADDITIONAL 18" OF FABRIC IS WRAPPED AROUND THE WOOD AND SECURED WITH STAPLES. THE WOOD SHALL NOT BLOCK THE ENTIRE HEIGHT OF THE CURB BOX OPENING.

③ FLAP POCKETS SHALL BE LARGE ENOUGH TO ACCEPT WOOD 2X4.

INSTALLATION NOTES

TYPE B & C

TRIM EXCESS FABRIC IN THE FLOW LINE TO WITHIN 3" OF THE GRATE.

THE CONTRACTOR SHALL DEMONSTRATE A METHOD OF MAINTENANCE, USING A SEWN FLAP, HAND HOLDS OR OTHER METHOD TO PREVENT ACCUMULATED SEDIMENT FROM ENTERING THE INLET.

TYPE D

DO NOT INSTALL INLET PROTECTION TYPE D IN INLETS SHALLOWER THAN 30", MEASURED FROM THE BOTTOM OF THE INLET TO THE TOP OF THE GRATE.

TRIM EXCESS FABRIC IN THE FLOW LINE TO WITHIN 3" OF THE GRATE.

THE INSTALLED BAG SHALL HAVE A MINIMUM SIDE CLEARANCE, BETWEEN THE INLET WALLS AND THE BAG, MEASURED AT THE BOTTOM OF THE OVERFLOW HOLES, OF 3". WHERE NECESSARY THE CONTRACTOR SHALL CINCH THE BAG, USING PLASTIC ZIP TIES, TO ACHIEVE THE 3" CLEARANCE. THE TIES SHALL BE PLACED AT A MAXIMUM OF 4" FROM THE BOTTOM OF THE BAG.

INLET PROTECTION
TYPE A, B, C, AND D

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
10/16/02 — DATE
/S/ Beth Cannatine
CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

6

S.D.D. 8 E 10-2

METAL APRON ENDWALLS

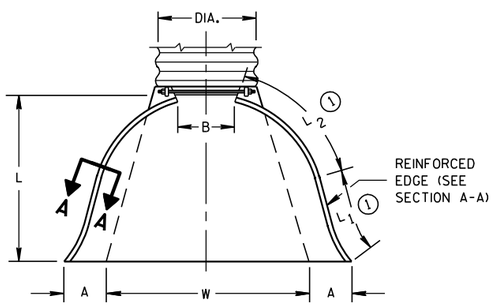
PIPE DIA. (IN.)	MIN. THICK. (Inches) STEEL	MIN. THICK. (Inches) ALUM.	DIMENSIONS (Inches) A (±1")	B (MAX.)	H (±1")	L (±1 1/2")	L1 ①	L2 ①	W (±2")	APPROX. SLOPE	BODY
12	.064	.060	6	6	6	21	12	17 1/2	24	2 1/2 to 1	1 Pc.
15	.064	.060	7	8	6	26	14	21 3/4	30	2 1/2 to 1	1 Pc.
18	.064	.060	8	10	6	31	15	28 1/4	36	2 1/2 to 1	1 Pc.
21	.064	.060	9	12	6	36	18	29 5/8	42	2 1/2 to 1	1 Pc.
24	.064	.075	10	13	6	41	18	37 1/4	48	2 1/2 to 1	1 Pc.
30	.079	.075	12	16	8	51	18	52 1/4	60	2 1/2 to 1	1 Pc.
36	.079	.105	14	19	9	60	24	59 3/4	72	2 1/2 to 1	2 Pc.
42	.109	.105	16	22	11	69	24	75 5/8	84	2 1/2 to 1	2 Pc.
48	.109	.105	18	27	12	78	24	81	90	2 1/4 to 1	3 Pc.
54	.109	.105	18	30	12	84	30	85 1/2	102	2 1/4 to 1	3 Pc.
60	.109×	.105×	18	33	12	87	—	—	114	2 to 1	3 Pc.
66	.109×	.105×	18	36	12	87	—	—	120	2 to 1	3 Pc.
72	.109×	.105×	18	39	12	87	—	—	126	2 to 1	3 Pc.
78	.109×	.105×	18	42	12	87	—	—	132	1 1/2 to 1	3 Pc.
84	.109×	.105×	18	45	12	87	—	—	138	1 1/2 to 1	3 Pc.
90	.109×	.105×	18	37	12	87	—	—	144	1 1/2 to 1	3 Pc.
96	.109×	.105×	18	35	12	87	—	—	150	1 1/2 to 1	3 Pc.

× EXCEPT CENTER PANEL
SEE GENERAL NOTES

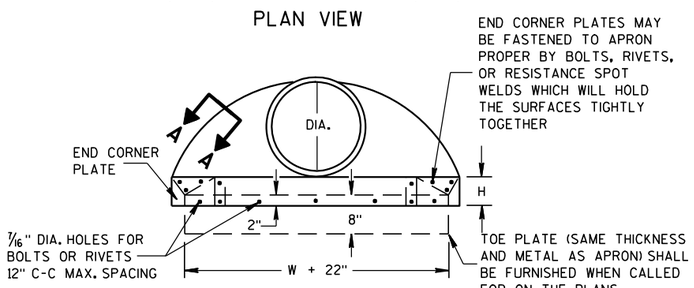
REINFORCED CONCRETE APRON ENDWALLS

PIPE DIA. (IN.)	DIMENSIONS (Inches) T	A	B	C	D	E	G	APPROX. SLOPE
12	2	4	24	48 7/8	72 7/8	24	2	3 to 1
15	2 1/4	6	27	46	73	30	2 1/4	3 to 1
18	2 1/2	9	27	46	73	36	2 1/2	3 to 1
21	2 3/4	9	36	37 1/2	73 1/2	42	2 3/4	3 to 1
24	3	9 1/2	43 1/2	30	73 1/2	48	3	3 to 1
27	3 1/4	10 1/2	49 1/2	24	73 1/2	54	3 1/4	3 to 1
30	3 1/2	12	54	19 3/4	73 1/2	60	3 1/2	3 to 1
36	4	15	63	34 3/4	97 3/4	72	4	3 to 1
42	4 1/2	21	63	35	98	78	4 1/2	3 to 1
48	5	24	72	26	98	84	5	3 to 1
54	5 1/2	27	65	*33 1/4-**35	*98 1/4-**100	90	5 1/2	2 2/5 to 1
60	6	*30-**35	60	39	99	96	5	2 to 1
66	6 1/2	*24-**30	*72-**78	*21-**27	99	102	5 1/2	2 to 1
72	7	*24-**36	78	21	99	108	6	2 to 1
78	7 1/2	*24-**36	78	21	99	114	6 1/2	2 to 1
84	8	36	90 1/2	21	111 1/2	120	6 1/2	1 1/2 to 1
90	8 1/2	41	87 1/2	24	111 1/2	132	6 1/2	1 1/2 to 1

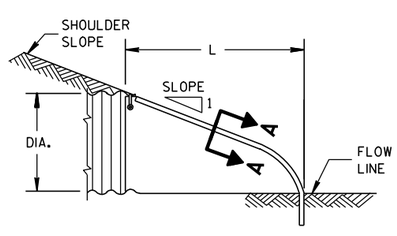
*MINIMUM
**MAXIMUM



PLAN VIEW

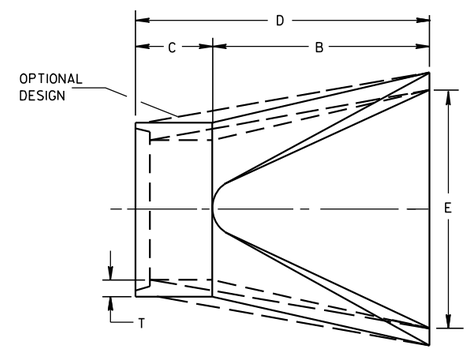


END VIEW

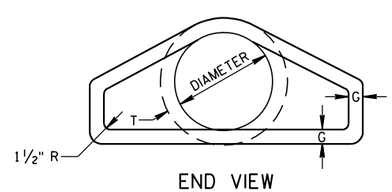


SIDE ELEVATION

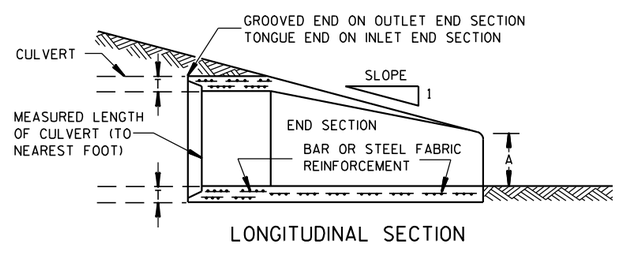
METAL ENDWALLS



PLAN

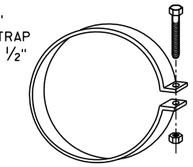


END VIEW



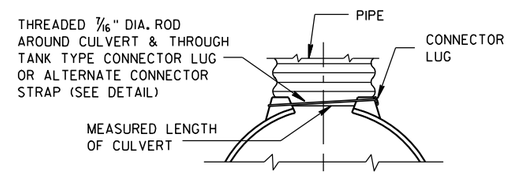
LONGITUDINAL SECTION

CONCRETE ENDWALLS

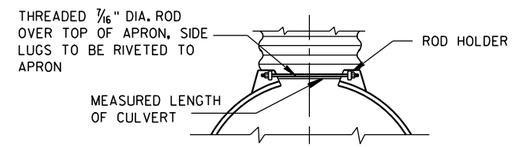


ALTERNATE FOR TYPE 1 CONNECTION

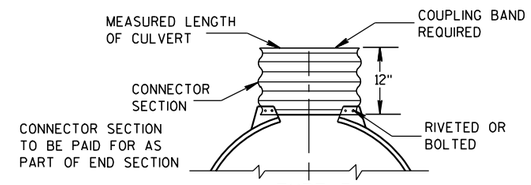
END SECTION CONNECTOR STRAP



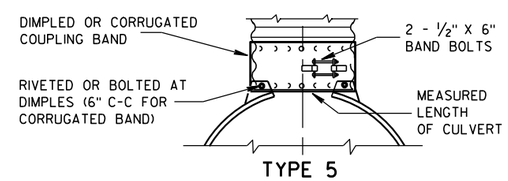
TYPE 1
FOR 12" THRU 24" CORR. PIPE



TYPE 2
FOR 30" THRU 96" CORR. PIPE



TYPE 3
FOR 42" THRU 96" CORR. PIPE



TYPE 5
ALTERNATE FOR:
ALL SIZES CORRUGATED CIRCULAR PIPE

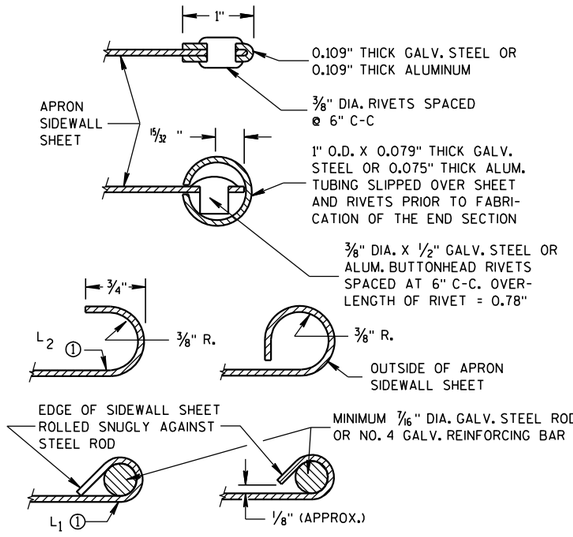
NOTE: DIMPLED BAND FITS OVER OUTSIDE OF ENDWALL, AND CORRUGATED BAND FITS INSIDE ENDWALL. DIMPLED BAND MAY BE USED WITH HELICALLY CORRUGATED PIPE.

FOR CIRCUMFERENTIALLY CORRUGATED PIPE USE ENDWALL CONNECTION DETAILS 1, 2, 3 OR 5 AS APPLICABLE.

FOR HELICALLY CORRUGATED PIPE USE ENDWALL CONNECTION DETAILS 1, 2 OR 5.

FOR HELICALLY CORRUGATED PIPES WITH TWO CIRCUMFERENTIAL CORRUGATIONS AT EACH END USE ENDWALL CONNECTION DETAILS 1, 2 OR 3.

CONNECTION DETAILS



SECTION A-A

GENERAL NOTES

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

CONCRETE CULVERT ENDWALLS MAY NOT BE USED WITH GALVANIZED STEEL OR ALUMINUM CULVERT PIPE OR VISE VERSA. GALVANIZED STEEL OR ALUMINUM ENDWALLS SHALL NORMALLY BE INSTALLED ON CULVERT PIPE OF THE SAME METAL.

ALL THREE PIECE STEEL APRON ENDWALLS FOR 60" DIAMETER PIPE AND LARGER SHALL HAVE 0.109" SIDES AND 0.138" CENTER PANELS. ALL THREE PIECE ALUMINUM APRON ENDWALLS FOR 60" DIAMETER PIPE AND LARGER SHALL HAVE 0.105" SIDES AND 0.134" CENTER PANELS. THE WIDTH OF CENTER PANELS SHALL BE GREATER THAN 20 PERCENT OF THE PIPE PERIMETER.

LAP SEAMS SHALL BE TIGHTLY JOINED BY GALVANIZED RIVETS OR BOLTS FOR STEEL UNITS AND ALUMINUM RIVETS AND BOLTS FOR ALUMINUM UNITS. FOR THE 60" THROUGH 96" DIAMETER APRON ENDWALL SIZES, THE REINFORCED EDGES AND CENTER PANEL SEAMS SHALL BE FURTHER REINFORCED WITH GALVANIZED STEEL OR ALUMINUM STIFFENER ANGLES. THE ANGLES SHALL BE ATTACHED BY GALVANIZED NUTS AND BOLTS FOR STEEL UNITS AND ALUMINUM NUTS AND BOLTS FOR ALUMINUM UNITS.

WHERE TWO OR MORE PIPES WITH APRON ENDWALLS ARE LAID ADJACENT TO EACH OTHER, THEY SHALL BE SEPARATED BY A DISTANCE SUFFICIENT TO PROVIDE A MINIMUM CLEARANCE OF 6 INCHES BETWEEN APRON ENDWALLS.

① FOR PIPE SIZES UP TO 60" DIAMETER, A 180° ROLLED EDGE MAY BE USED INSTEAD OF STEEL ROD REINFORCEMENT. SEE SECTION A-A.

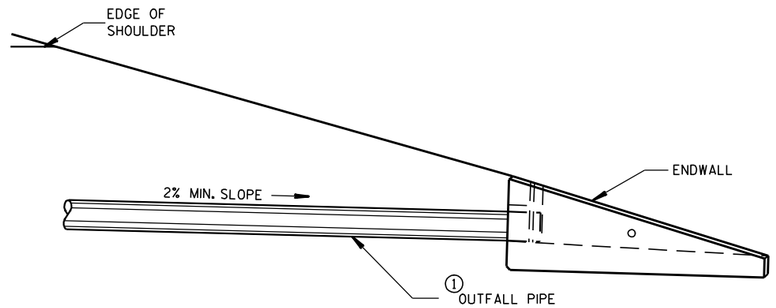
APRON ENDWALLS FOR CULVERT PIPE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
11/30/94 — DATE
/S/ Rory L. Rhinesmith — CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

DIMENSIONS IN INCHES											
PIPE DIA.	A	B	C	D	E	F	G	H	J	L	Z
**4	6	12	5¼	9	8	32	36	11	2⅜	6½	4
6	8	14	7¼	11	10	42	44	13	3⅝	8½	6

**APRON ENDWALL FOR 6 INCH DIAMETER PIPE MAY BE SUBSTITUTED FOR THIS SIZE PROVIDED THE HOLE IN THE HEADWALL IS SIZED AND LOCATED TO CONFORM TO THE 4 INCH DIAMETER PIPE DIMENSIONS (C & J)



INSTALLATION DETAIL

GENERAL NOTES

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

ALTERNATIVE DESIGNS WHICH PROVIDE EQUIVALENT CAPACITY AND STRENGTH MAY BE USED WHEN APPROVED BY THE ENGINEER. ENDWALL MAY BE EITHER PRECAST OR CAST-IN-PLACE CONCRETE.

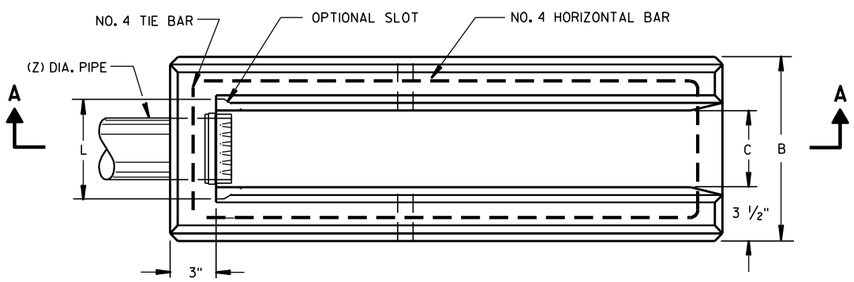
THE UNDERDRAIN PIPE SHALL BE FULLY INSERTED AND SEALED INTO THE ENDWALL WITH CEMENT MORTAR PRIOR TO BACKFILLING AROUND THE STRUCTURE.

THE UPPERMOST POINT OF THE ENDWALL SHALL BE PLACED FLUSH WITH THE ROADWAY SLOPE. ADJACENT EMBANKMENT SLOPES SHALL BE SHAPED TO FIT THE SIDES AND TOE OF THE ENDWALL. EXACT PLACEMENT OF THE OUTFALL PIPE AND ENDWALL SHALL BE DETERMINED BY THE ENGINEER TO MATCH THE ELEVATIONS AND FLOW DIRECTION OF THE ROADSIDE DITCH.

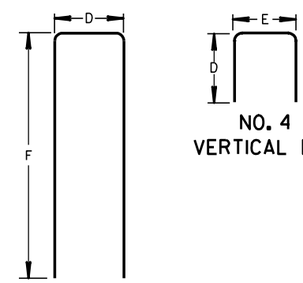
① THE OUTFALL PIPE UNDERDRAIN AND FITTINGS SHALL CONFORM TO THE REQUIREMENTS OF THE SPECIFICATION FOR POLY (VINYL CHORIDE) (PVC) PLASTIC DRAIN, WASTE AND VENT PIPE AND FITTINGS, ASTM DESIGNATION: D 2665, SCHEDULE 40 PVC OR THE STANDARD SPECIFICATION FOR TYPE PSM POLY (VINYL CHORIDE) (PVC) SEWER PIPE AND FITTINGS, ASTM DESIGNATION: D 3034, TYPE PSM SDR 23.5 PVC SEWER PIPE, ALL JOINTS SHALL BE SOLVENT WELDED.

THE OUTFALL PIPE INCLUDING ALL FITTINGS AND THE RODENT SHIELD SHALL BE MEASURED AND PAID FOR AS PIPE UNDERDRAIN UNPERFORATED.

② THE RODENT SHIELD SHALL BE A PVC GRATE SIMILAR TO THIS DETAIL. THE GRATE IS COMMERCIALLY AVAILABLE AS A FLOOR STRAINER. A PIPE COUPLING IS REQUIRED FOR THE ATTACHMENT OF THIS SHIELD TO THE OUTFALL PIPE. THE SHIELD SHALL BE FASTENED TO THE PIPE COUPLING WITH TWO OR MORE NO. 10 X 1-INCH STAINLESS STEEL SHEET METAL SCREWS.



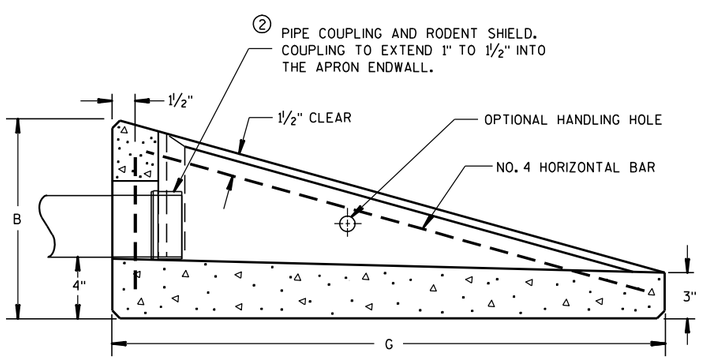
PLAN VIEW



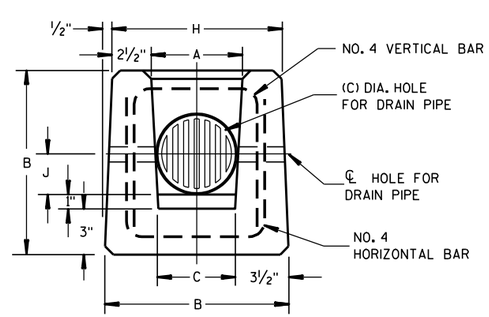
NO. 4
HORIZONTAL BAR

NO. 4
VERTICAL BAR

BAR STEEL REINFORCEMENT DETAILS

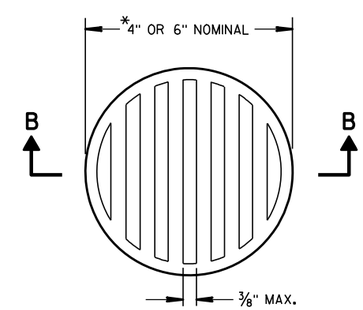


SECTION A-A



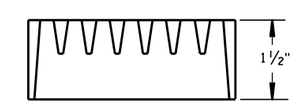
END VIEW

CONCRETE APRON ENDWALL FOR UNDERDRAIN



② RODENT SHIELD

NOTE: ORIENT SHIELD SO SLOTS ARE VERTICAL.



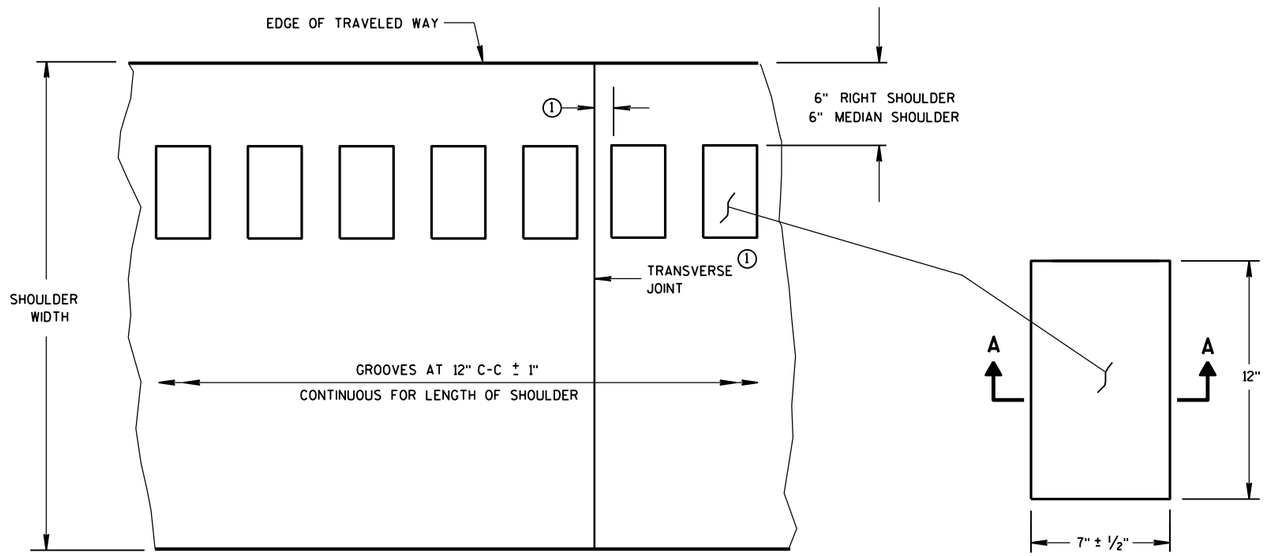
SECTION B-B

*NOTE: DIMENSIONS ARE APPROXIMATE. THE GRATE IS SIZED TO FIT INTO A PIPE COUPLING.

REINFORCED CONCRETE APRON ENDWALL FOR PIPE UNDERDRAIN

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
3/10/98 — DATE
/S/ Rory L. Rhinesmith — CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA



PLAN VIEW
SHOULDER WITH GROOVES

PLAN VIEW
(SINGLE GROOVE)

PLACEMENT DETAIL FOR MILLED RUMBLE STRIP

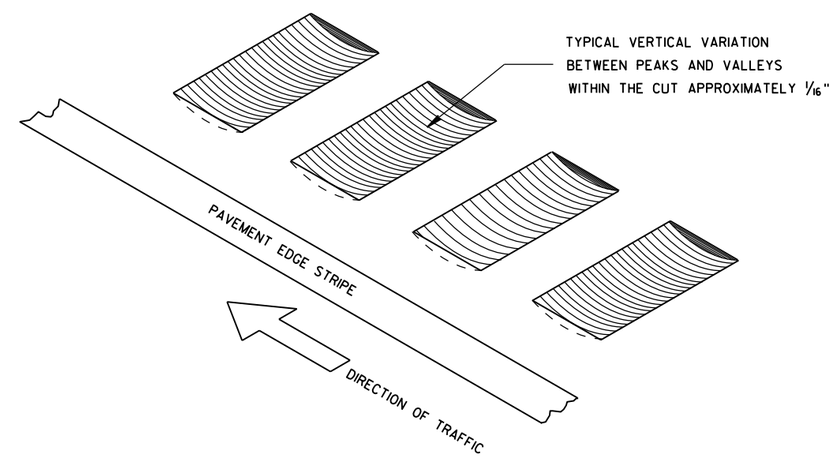
GENERAL NOTES

DETAILS OF CONSTRUCTION SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.

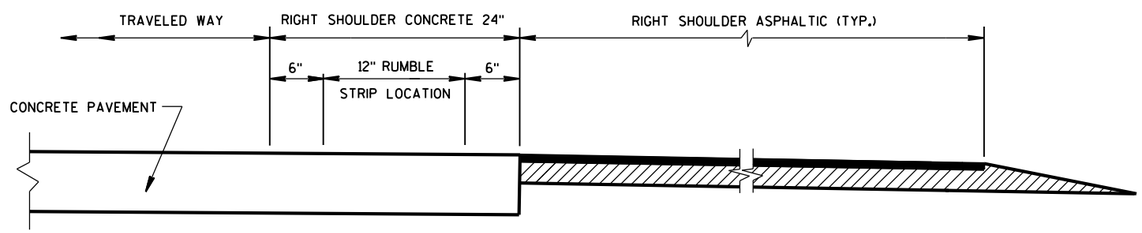
RUMBLE STRIPS ON EXPRESSWAYS

DO NOT INSTALL RUMBLE STRIPS ACROSS SIDE ROAD INTERSECTIONS, COMMERCIAL DRIVEWAYS, PRIVATE DRIVEWAYS OR ADJACENT TO RIGHT TURN LANES, LEFT TURN LANES, TURN LANE TAPERS, BRIDGE DECKS, BRIDGE APPROACHES, OR 100 FEET IN ADVANCE OF RAILROAD CROSSING. THE ATTACHED STANDARD DETAIL DRAWING SHOWS THE LOCATION OF THE RUMBLE STRIPS AT INTERCHANGE AREAS.

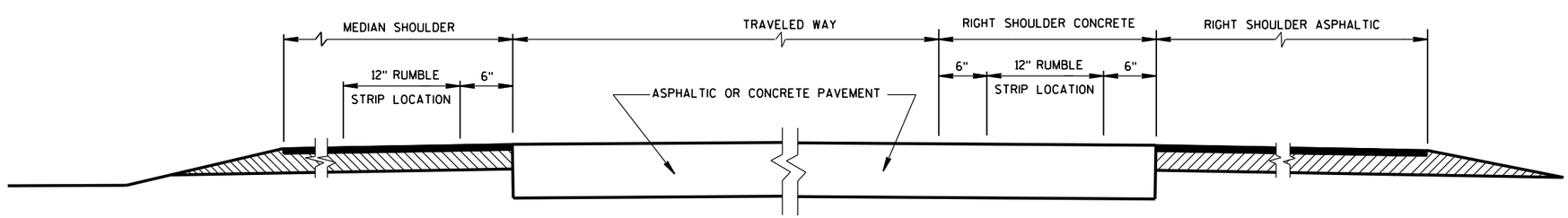
(1) CONCRETE PAVEMENT - RUMBLE STRIPS SHALL BE A MINIMUM OF 6" AWAY FROM TRANSVERSE JOINTS.



ISOMETRIC



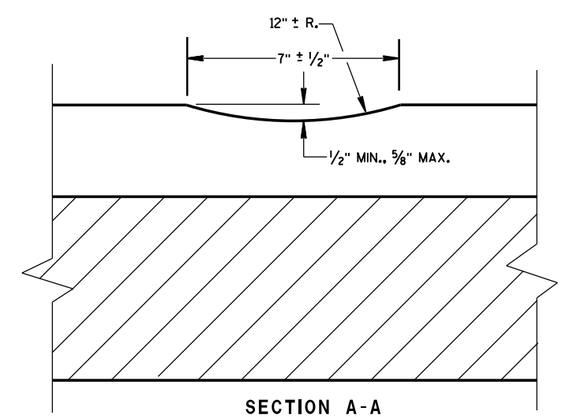
SECTION VIEW
CONCRETE PAVEMENT EXTENDS INTO RIGHT SHOULDER)



SECTION VIEW

TYPICAL LOCATIONS OF SHOULDER RUMBLE STRIPS
IN RURAL DIVIDED HIGHWAYS

(ONE ROADWAY IS SHOWN)



SECTION A-A

SHOULDER RUMBLE STRIP, MILLING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR

6

S.D.D. 13 A 5-5a

6

S.D.D. 13 A 5-5a

GENERAL NOTES

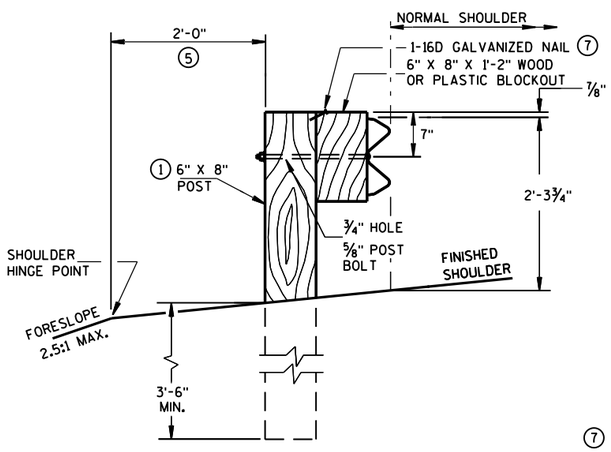
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS, AND THE APPLICABLE SPECIAL PROVISIONS.

1. W6 X 9 OR W6 X 8.5 STEEL POSTS AND NOTCHED PLASTIC BLOCKOUTS ARE ACCEPTABLE ALTERNATIVES FOR 6" X 8" WOOD POSTS WITH WOOD OR PLASTIC BLOCKOUTS. USE APPROVED NOTCHED PLASTIC BLOCKOUTS WITH STEEL POSTS. APPROVED PLASTIC BLOCKOUT DESIGNS MAY VARY FROM THIS TYPICAL DETAIL WHEN USED IN CONJUNCTION WITH STEEL POSTS.

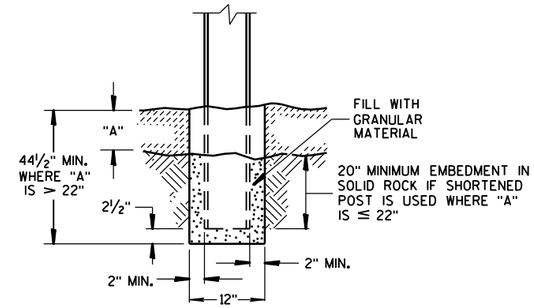
   DO NOT MIX STEEL POSTS AND WOOD POSTS IN A SINGLE INSTALLATION.
2. USE STRUCTURAL STEEL POSTS CONFORMING TO ASTM A 36. GALVANIZED POSTS ACCORDING TO AASHTO M 111. EITHER SET THE POSTS IN DRILLED HOLES OR DRIVE TO GRADE. REMOVE MUSHROOMING CAUSED BY DRIVING AND REPAIR DAMAGED SPELTER COATING ON GALVANIZED POSTS.
3. INSTALL STEEL POSTS WITH HOLES ON APPROACHING TRAFFIC SIDE.
4. USE EITHER WOOD OR APPROVED PLASTIC BLOCKOUTS ON WOOD POSTS.
5. IF THE DISTANCE FROM BACK OF POST TO SHOULDER HINGE POINT IS LESS THAN 2 FEET INSTALL LONGER POST AT HALF POST SPACING, W BEAM (LHW).
6. IF ROCK IS ENCOUNTERED DURING EXCAVATION, THE ENGINEER MAY APPROVE USING A 12 INCH DIAMETER POST HOLE EXTENDING 20 INCHES DEEP INTO THE ROCK. PLACE GRANULAR MATERIAL IN THE BOTTOM OF THE HOLE APPROXIMATELY 2½ INCHES DEEP. CUT THE POSTS TO LENGTH AND PLACE IN YHE HOLE. BACKFILL WITH MATERIAL EXCAVATED FROM THE HOLE AND COMPACT ADEQUATEY.
7. WHEN USING STEEL POSTS AND WOOD BLOCKOUTS INSTALL FOUR 16D GALVANIZED NAILS. INSTALL NAILS AT THE BACK CORNERS OF THE BLOCK AND BEND THE NAILS OVER THE FLANGE OF THE STEEL POST.

INSTALL BEAM GUARD SECTIONS AND ALL NECESSARY HARDWARE ACCORDING TO THE APPLICABLE PLAN AND CURRENT STANDARD AND SUPPLEMENTAL SPECIFICATIONS.

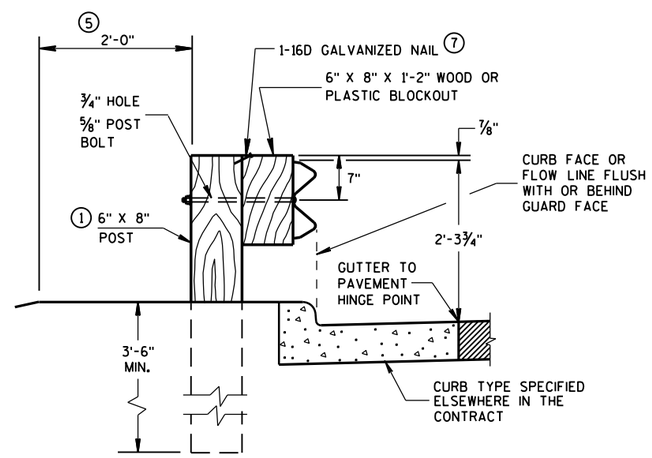
ALL DIMENSIONS ARE SUBJECT TO MANUFACTURER'S TOLERANCES EXCEPT WHERE ALLOWABLE TOLERANCES ARE SHOWN.



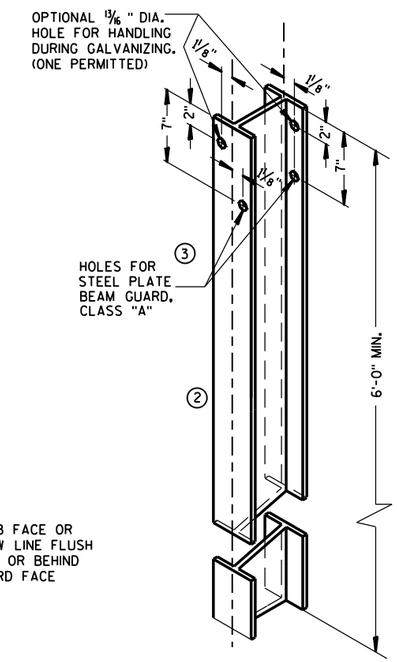
END VIEW
LOCATED ALONG A ROADWAY SHOULDER
STANDARD INSTALLATION



END VIEW
SETTING STEEL OR WOOD POST IN ROCK 6

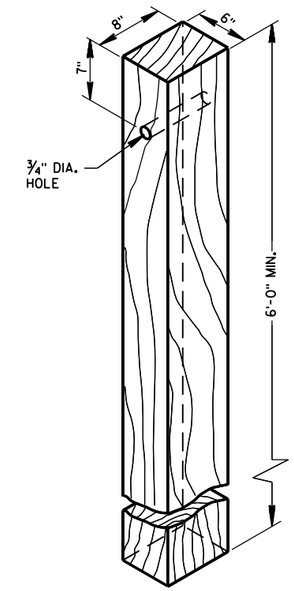


END VIEW
LOCATED ALONG A CURBED ROADWAY

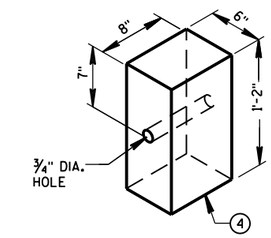


STEEL POST &
HOLE PUNCHING DETAIL
(W6 X 9) 1

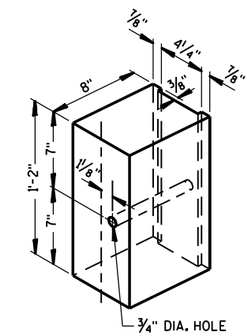
ALL HOLES 13/16" DIAMETER EXCEPT AS NOTED



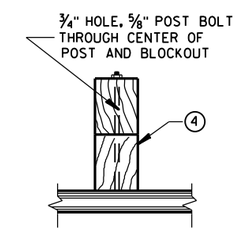
WOOD POST
(6"X8") NOMINAL



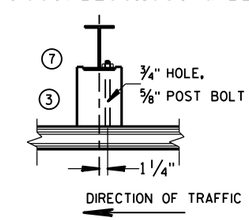
WOOD OR PLASTIC
BLOCKOUT FOR
WOOD POSTS



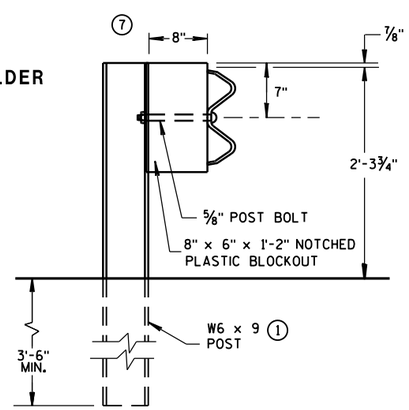
TYPICAL NOTCHED 1
PLASTIC BLOCKOUT
FOR STEEL POSTS



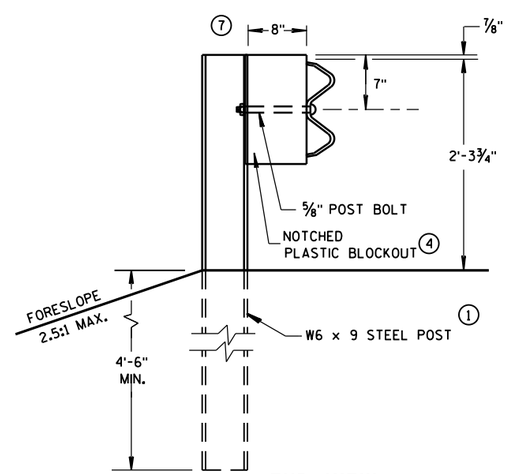
PLAN VIEW
WOOD POST, BLOCKOUT & BEAM



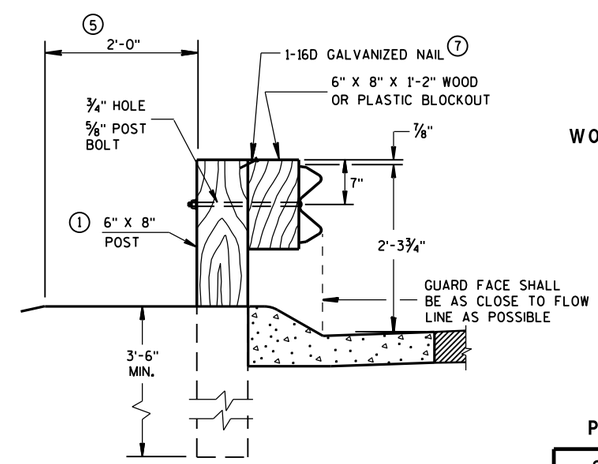
PLAN VIEW
STEEL POST, NOTCHED
PLASTIC BLOCKOUT & BEAM



END VIEW
STEEL POST & NOTCHED
PLASTIC BLOCKOUT ALTERNATIVE
STANDARD INSTALLATION



END VIEW
LONGER POST AT HALF
POST SPACING W BEAM
(LHW)



END VIEW
LOCATED ALONG A
MOUNTABLE CURBED ROADWAY

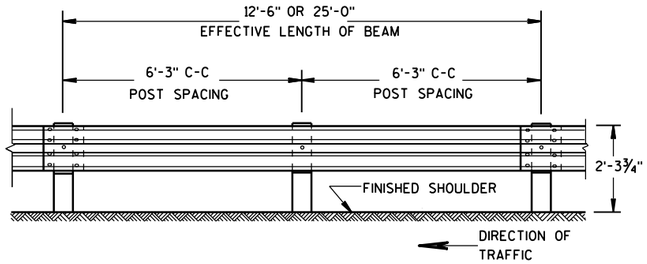
TYPICAL INSTALLATION OF STEEL PLATE BEAM GUARD

STEEL PLATE BEAM GUARD,
CLASS "A"
INSTALLATION & ELEMENTS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPO

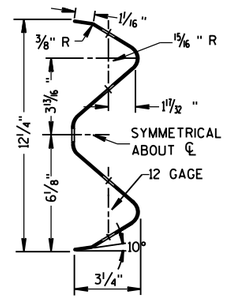
6

S.D.D. 14 B 15-8a

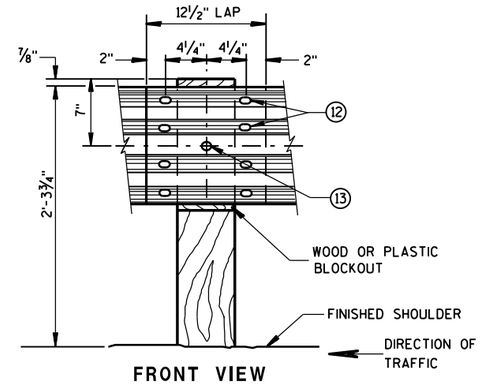


FRONT VIEW

POST SPACING STANDARD INSTALLATION



SECTION THRU W BEAM



FRONT VIEW

BEAM SPLICE AT WOOD POST AND POST MOUNTING DETAIL

GENERAL NOTES

(8) PROVIDE SILVER REFLECTIVE SHEETING ON ALL REFLECTORS EXCEPT THOSE LOCATED ALONG THE LEFT EDGE OF ONE-WAY ROADWAYS, WHICH SHALL BE PROVIDED WITH YELLOW REFLECTIVE SHEETING. SHEETING IS TYPE H. SEE STANDARD SPECIFICATION 637.

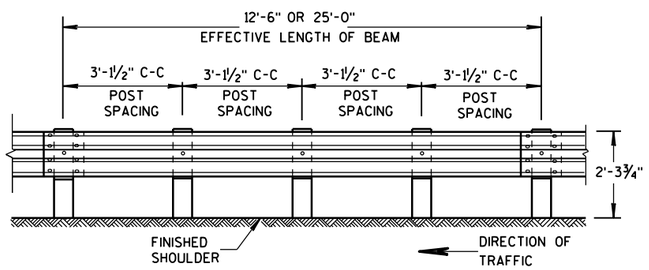
(9) DO NOT INSTALL REFLECTORS ON THE FIRST 50 FEET OF THE APPROACH END OF THE ENERGY ABSORBING TERMINAL.

(10) REVERSE EVERY OTHER REFLECTOR FOR 2-WAY VISIBILITY. THE CONTRACTOR MAY FURNISH TWO-SIDED REFLECTORS IN LIEU OF ONE-SIDED REFLECTORS.

(11) PROVIDE AN ANGLE OF BEND OF 90° ± 1° FOR TWO-SIDED REFLECTORS.

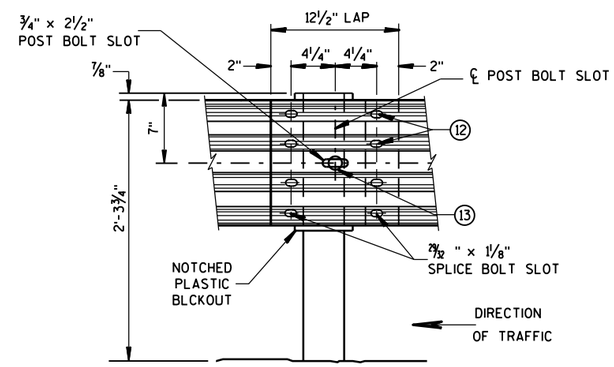
(12) 8 -⅝" ϕ X 2" BUTTON HEAD BOLTS WITH OVAL SHOULDERS & RECESS NUTS.

(13) ⅝" DIA. BUTTON HEAD BOLT AND RECESS NUT WITH ⅝" DIA. F844 FLAT WASHER UNDER NUT.



FRONT VIEW

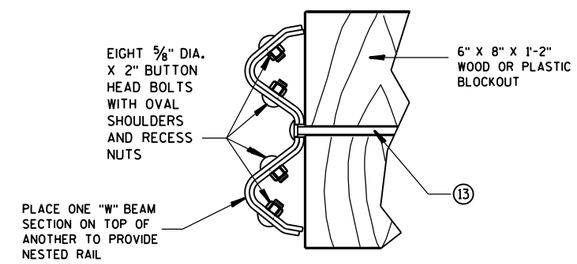
POST SPACING FOR LONGER POST AT HALF POST SPACING W BEAM (LHW)



FRONT VIEW

BEAM SPLICE AT STEEL POST

TYPICAL SPLICING DETAILS OF STEEL PLATE BEAM GUARD

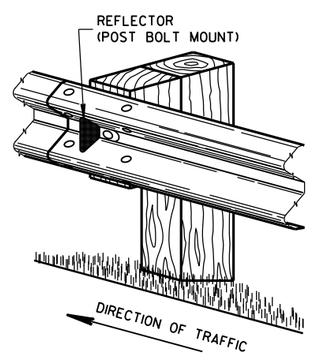


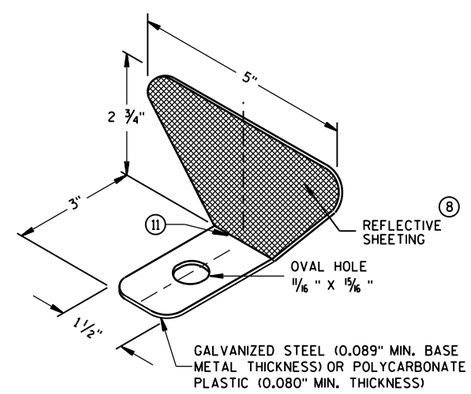
NESTED W BEAM (NW)

USE ALL OTHER STANDARD BEAM GUARD DETAILS FOR CONSTRUCTING NESTED W BEAM (NW)

REFLECTOR SPACING (9)

	BEAM GUARD LENGTH	REFLECTOR SPACING	NO. SURFACES REFLECTORIZED	MIN. NO. REFLECTORS
ONE WAY TRAFFIC	< 200' > 200'	50' C-C 100' C-C	1 1	3
TWO WAY TRAFFIC	< 200' > 200'	25' C-C 50' C-C	1 (10) 1	6
TWO WAY TRAFFIC	< 200' > 200'	50' C-C 100' C-C	2 (11) 2	3

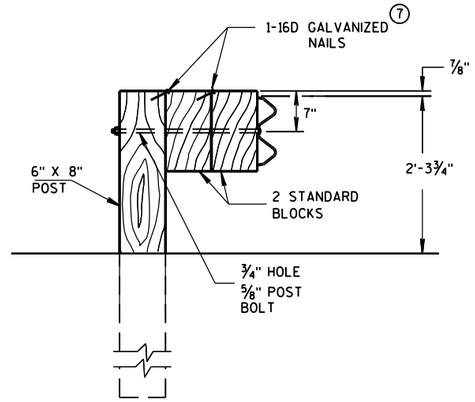




ONE SIDED REFLECTOR DETAIL AND TYPICAL INSTALLATION (8)

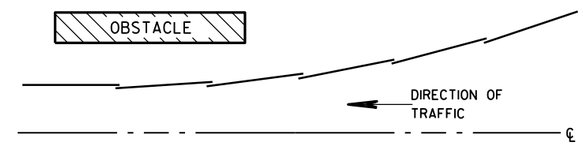
STEEL PLATE BEAM GUARD, CLASS "A", INSTALLATION & ELEMENTS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR

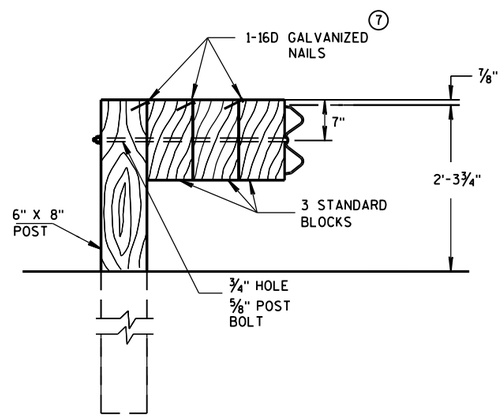


DETAIL FOR DOUBLE BLOCKS

THE NUMBER OF DOUBLE BLOCK POSTS WITHIN A BARRIER RUN IS UNLIMITED

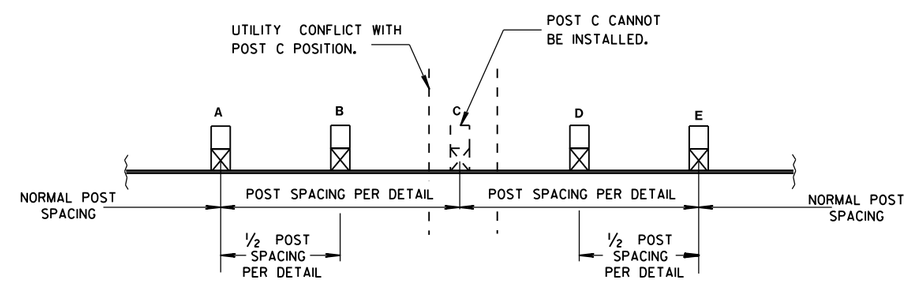


PLAN VIEW
BEAM LAPPING DETAIL



DETAIL FOR TRIPLE BLOCKS

TRIPLE BLOCK DETAIL IS LIMITED TO ONE LOCATION WITHIN A BEAM GUARD RUN.



POST DRIVING FOR CONTINUOUS UNDERGROUND OBSTRUCTION

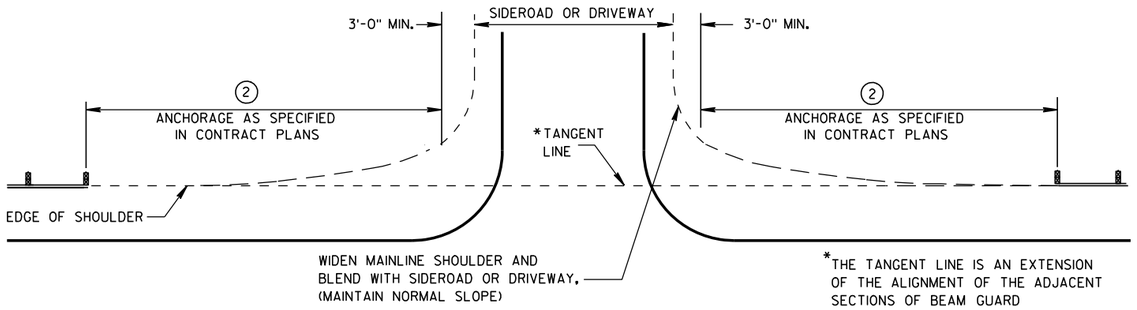
NOTES: USE DOUBLE OR TRIPLE BLOCKS WHEN UNDERGROUND OBSTACLES PREVENT THE POST FROM BEING INSTALLED.

DO NOT USE EXTRA BLOCKOUTS IF IT CAUSES THE POST TO BE DRIVEN BEYOND SHOULDER HINGE POINT OR CAUSES A FIXED OBJECT TO BE WITHIN THE DEFLECTION DISTANCE OF THE BARRIER.

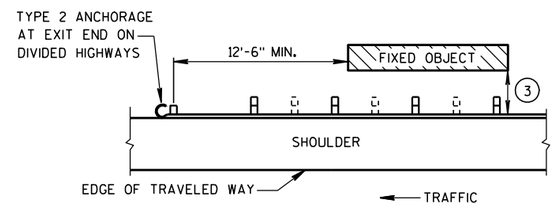
STEEL PLATE BEAM GUARD, CLASS "A", INSTALLATION & ELEMENTS	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED June 2014 DATE	/S/ Jerry H. Zogg ROADWAY STANDARDS DEVELOPMENT ENGINEER
FHWA	

6

S.D.D. 14 B 15-8c



BEAM GUARD AT SIDEROADS OR DRIVEWAYS



BEAM GUARD AT OBSTACLES EXIT END - ONE WAY TRAFFIC

GENERAL NOTES

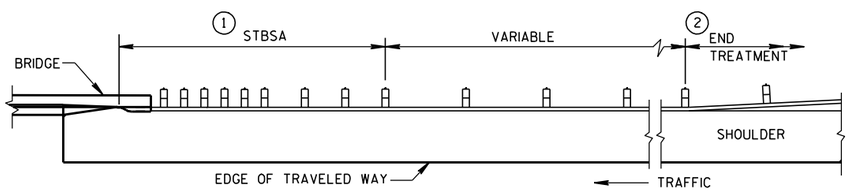
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP SHALL CONFORM TO THE PERTINENT STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

W6 X 9 OR W6 X 8.5 STEEL POSTS WITH NOTCHED PLASTIC BLOCKOUTS ARE ACCEPTABLE ALTERNATIVES FOR 6" X 8" WOOD POSTS WITH WOOD OR PLASTIC BLOCKOUTS. USE APPROVED NOTCHED PLASTIC BLOCKOUTS WITH STEEL POSTS.

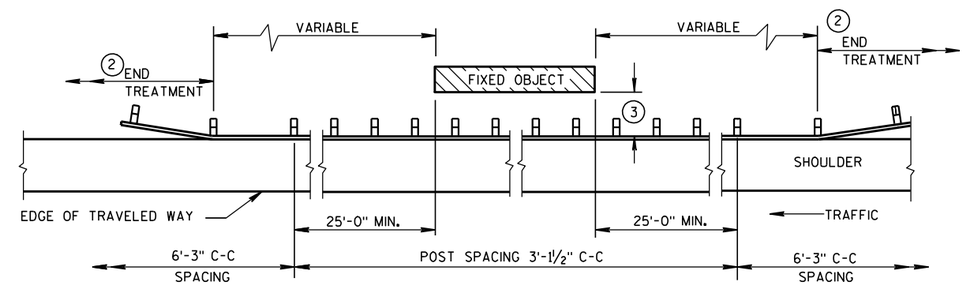
THE LOCATIONS AND LENGTHS OF BEAM GUARD ARE SHOWN ELSEWHERE IN THE PLAN.

1. STEEL THRIE BEAM STRUCTURAL APPROACH (STBSA) - SEE CURRENT SDD 14B20.
2. USE AN APPROVED END TREATMENT FOR THE TRAFFIC APPROACH SIDE OF BRIDGE/OBSTACLES. USE TYPE 2 ANCHORAGE ONLY AT THE DOWNSTREAM ENDS OF BEAM GUARD LOCATED ALONG ROADWAYS WITH ONE WAY TRAFFIC.
3.

MINIMUM LATERAL DISTANCE FROM FACE OF BEAM GUARD TO FIXED OBJECT	POST SPACING
3'-6"	3' - 1½"
4'-6"	6' - 3"

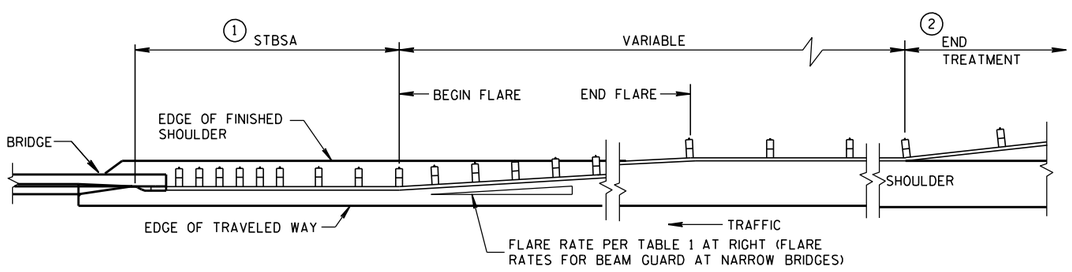


BEAM GUARD AT FULL WIDTH BRIDGES



BEAM GUARD AT OBSTACLES - TWO WAY TRAFFIC

(RAIL TO OBSTACLE CLEARANCE 3'-6" TO 4'-6")



BEAM GUARD AT NARROW BRIDGES

(FLARED TO SHOULDER EDGE, THEN PARALLEL TO ROADWAY)

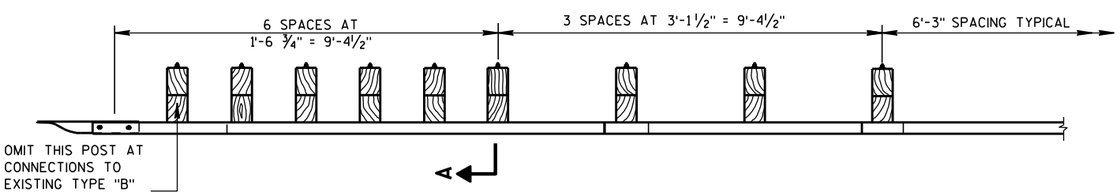
TABLE 1
FLARE RATES FOR BEAM GUARD AT NARROW BRIDGES

POSTED SPEED (MPH)	FLARE RATE
25	13:1
30	15:1
35	16:1
40	18:1
45	21:1
50	24:1
55	26:1
65	30:1

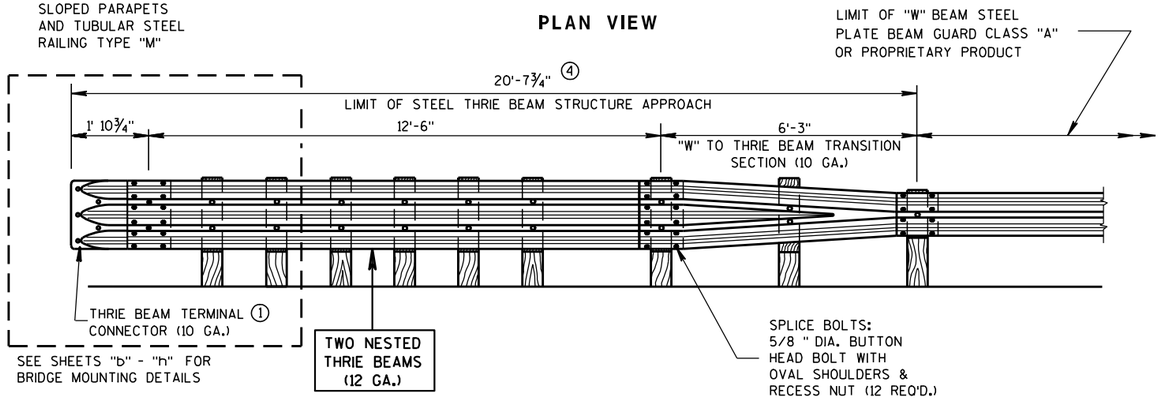
STEEL PLATE BEAM GUARD CLASS "A" AT BRIDGES, OBSTACLES AND SIDEROADS/DRIVEWAYS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
8-21-07 — DATE
/S/ Jerry H. Zogg — ROADWAY STANDARDS DEVELOPMENT ENGINEER
FHWA



PLAN VIEW



FRONT VIEW

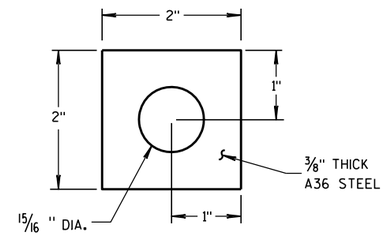


PLATE WASHER DETAIL

GENERAL NOTES

BOLT THE THRIE BEAM TO ALL POSTS AND BLOCKOUTS. DRILL OR PUNCH BOLT HOLES IN THE BEAM IF THE POST SPACING IS LESS THAN 6'-3".

DO NOT USE STEEL POSTS AND NOTCHED PLASTIC BLOCKOUTS IN THE STEEL THRIE BEAM STRUCTURAL APPROACH AND THE TRANSITION SECTION OF STEEL PLATE BEAM GUARD, CLASS "A" INSTALLATIONS.

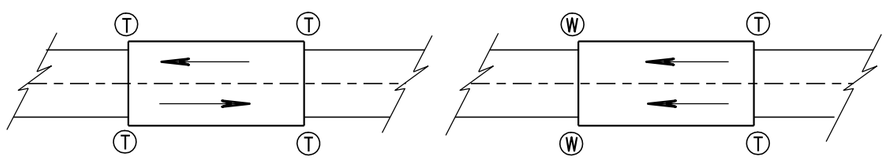
IF ROCK IS ENCOUNTERED, REMOVE ROCK TO FULL DEPTH OF POST PLUS 2 1/2", AND 12" DIAMETER AROUND POST. SEE 14B15 FOR MORE DETAILS.

① BRIDGE RAILING TYPE "W" DOES NOT REQUIRE A TERMINAL CONNECTOR.

② MINIMUM EMBEDMENT SHALL BE 4'-0". WHERE EXISTING CONDITIONS DO NOT PERMIT THE APPROPRIATE EARTHWORK SHOWN ON THE PLAN TYPICAL SECTIONS OR DETAILS, THE ENGINEER MAY ALLOW THE REDUCTION OR ELIMINATION OF THE 2 FOOT DISTANCE TO THE HINGE POINT. OTHERWISE BUILD AS THE PLAN SHOWS OR AS THE ENGINEER DIRECTS. IF THE 2 FOOT DISTANCE TO THE HINGE POINT IS REDUCED OR ELIMINATED, INCREASE THE POST EMBEDMENT DEPTH TO 4'-6" OR MORE.

③ POST BOLTS ARE 5/8" DIAMETER ASTM A307 BUTTON HEAD BOLT. A POST BOLT REQUIRES A 5/8" DIAMETER A563A DOUBLE RECESSED (DR) HEAVY HEX AND A 5/8" DIAMETER F844 FLAT WASHER. LENGTH OF POST BOLT MAY VARY.

④ ALL WOOD POSTS MUST BE 6" X 8" AND AT LEAST 7'-0" LONG.



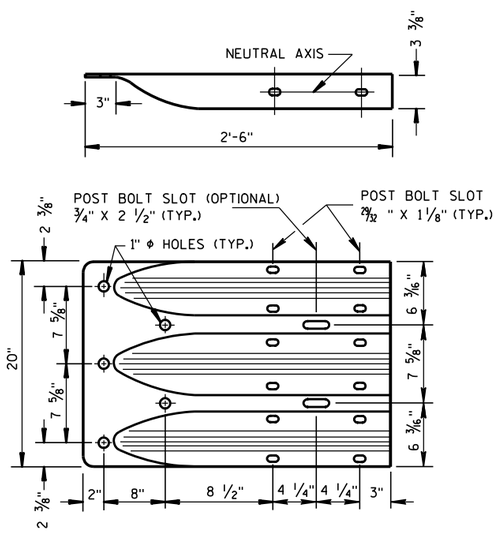
TWO WAY TRAFFIC

ONE WAY TRAFFIC

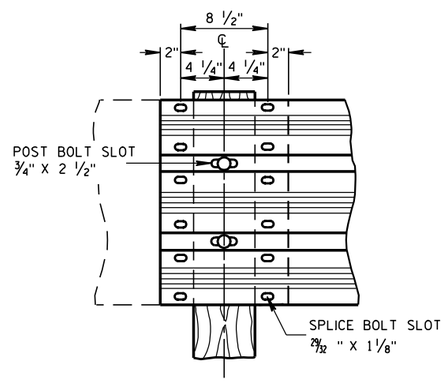
Ⓣ THRIE BEAM CONNECTION

Ⓦ W-BEAM CONNECTION WHEN REQUIRED

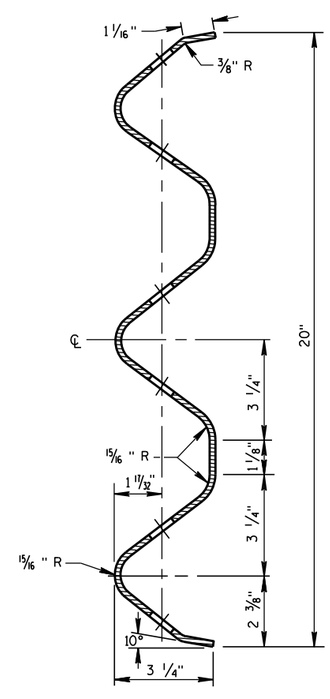
TYPICAL LOCATIONS OF THRIE BEAM AND W-BEAM CONNECTIONS TO BRIDGE



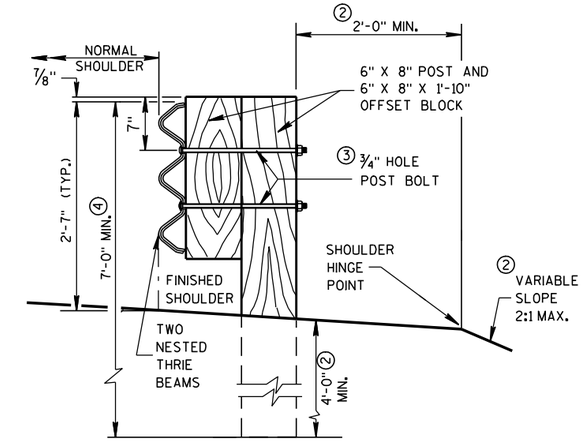
THRIE BEAM TERMINAL CONNECTOR



THRIE BEAM SPLICE



SECTION THRU THRIE BEAM RAIL ELEMENT



SECTION A-A

STEEL THRIE BEAM STRUCTURE APPROACH

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

8/31/2012 — DATE

/S/ Jerry H. Zogg — ROADWAY STANDARDS DEVELOPMENT ENGINEER

FHWA

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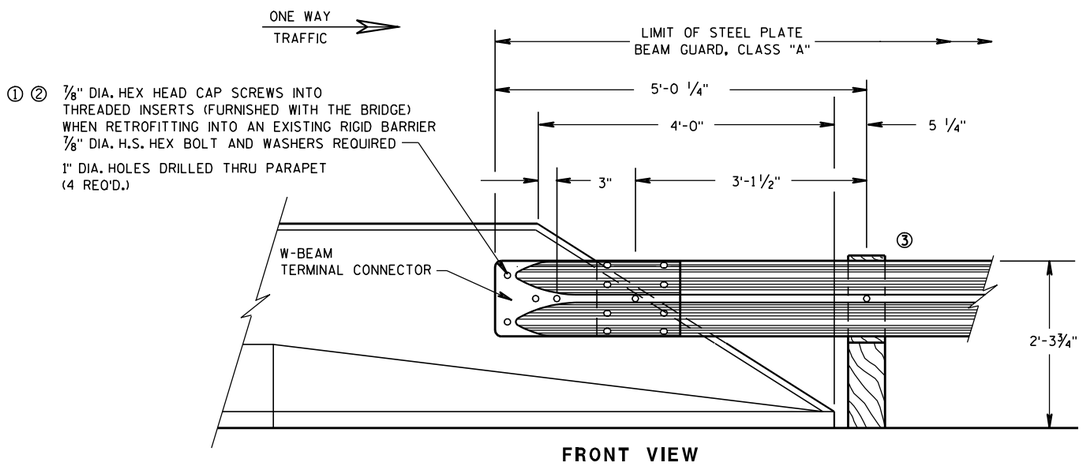
S.D.D. 14 B 20-11a



FRONT VIEW

W BEAM CONNECTION TO PARAPETS WITH SLOPED ENDS

(USE ONLY AT TRAFFIC EXIT END OF ONE WAY BRIDGE)

GENERAL NOTES

THESE ARE TYPICAL CONNECTION DETAILS. ADJUST THE POSTION OF CONNECTIONS TO EXISTING BRIDGES TO FIT THE ACTUAL BRIDGE AND SITE DIMENSIONS.

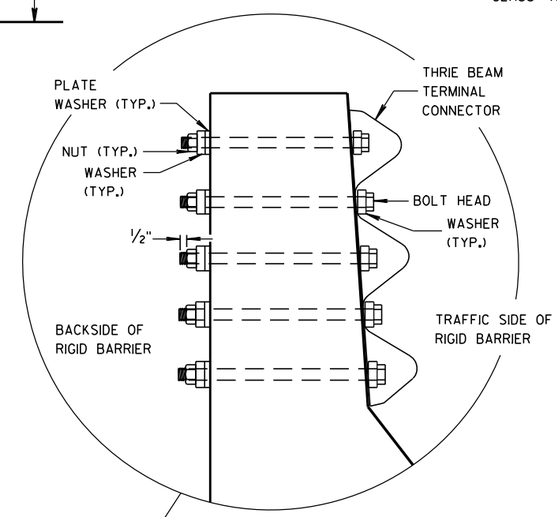
BOLTS, NUTS AND WASHERS SHALL CONFORM TO ASTM A325, A449 AND GALVANIZED PER STANDARD SPECIFICATIONS 614.

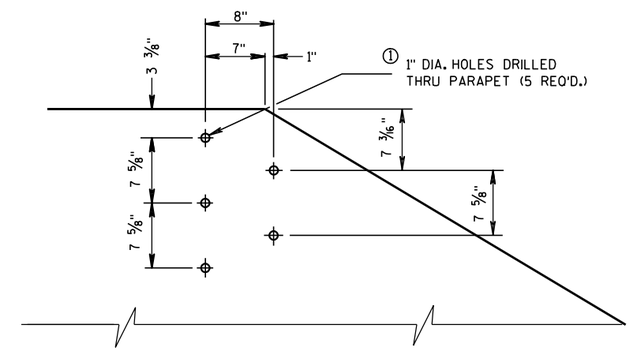
① DRILLING BOLT HOLES THROUGH THE PARAPET, BOLTS, NUTS, WASHERS AND REPAIRING DAMAGED CONCRETE ARE INCIDENTAL TO THE CONTRACT.

② BOLTS MAY BE A325 BOLTS OR A449 BOLTS. BOLT LENGTH AND THREADING LENGTH ARE TO ALLOW FOR A TIGHT CONNECTION BETWEEN RIGID BARRIER AND THRIE BEAM CONNECTION PLATE. CONTRACTOR IS TO FIELD VERIFY BOLT LENGTH AND THREAD LENGTH. ONE ROUND WASHER REQUIRED BETWEEN BOLT HEAD AND THRIE BEAM TERMINAL CONNECTOR. BOLTS THAT EXTEND THROUGH THE PARAPET AND OUT THE BACK FACE REQUIRE A HARDENED ROUND STEEL WASHER THAT IS 2" O.D. X ⅝" THICK AND ONE PLATE WASHER. REPAIR ANY DAMAGED CONCRETE FROM BOLT INSTALLATION.

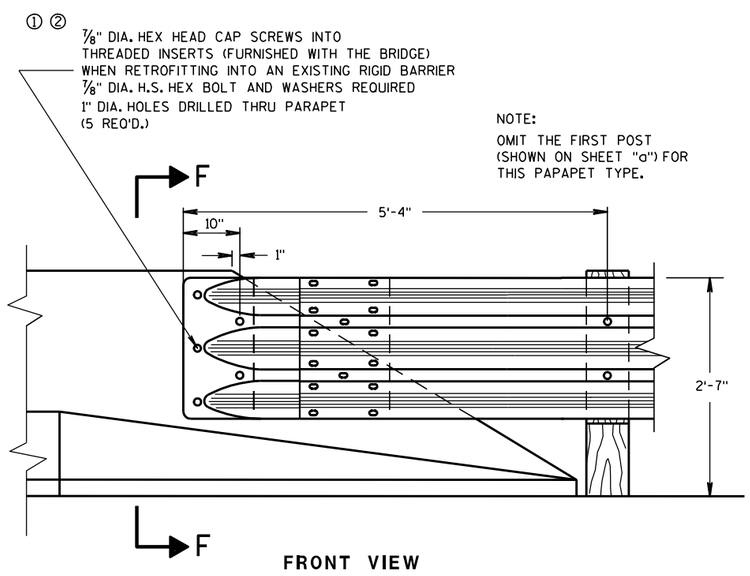
③ W6 X 9 OR W6 X 8.5 STEEL POSTS AND NOTCHED PLASTIC BLOCKOUTS ARE ACCEPTABLE ALTERNATIVES FOR 6" X 8" WOOD POST WITH WOOD OR PLASTIC BLOCKOUTS. USE APPROVED NOTCHED PLASTIC BLOCKOUTS WITH STEEL POSTS.

DO NOT USE STEEL POSTS AND NOTCHED PLASTIC BLOCKOUTS IN THE STEEL THRIE BEAM STRUCTURAL APPROACH AND THE TRANSITION SECTION OF STEEL PLATE BEAM GUARD, CLASS "A" INSTALLATIONS.

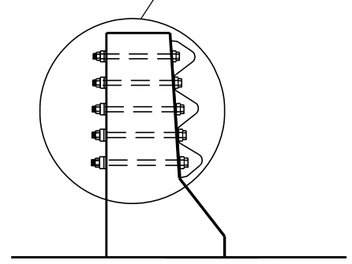




DRILL HOLE LOCATION AND PATTERN FOR THRIE BEAM CONNECTION



FRONT VIEW



SECTION F-F

THRIE BEAM CONNECTION TO BRIDGE PARAPETS WITH SLOPED ENDS

STEEL THRIE BEAM STRUCTURE APPROACH, CONNECTION TO SLOPED END PARAPETS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
8/31/2012 — DATE
/S/ Jerry H. [illegible] — ROADWAY STANDARDS DEVELOPMENT ENGINEER
FHWA

BILL OF MATERIALS

NOTE NO.	QTY.	DESCRIPTION
1	4	WOOD BREAKAWAY TERMINAL POST: 5½" X 7½" X 3'-9"
2	**	STEEL TUBE: OPTION 1 - QUANITY OF 4 TS 8" X 6" X 0.188", 4'-6" LONG OR OPTION 2 - QUANITY OF 2 TS 8" X 6" X 0.188", 6'-0" AND 2 TS 8" X 6" X 0.188", 4'-6" LONG
3	2	SOIL PLATE: 2'-0" X 1'-6" X ¼" **
4	4	WOOD BREAKAWAY CRT POST: 6" X 8" X 6'-0"
5	6	WOOD OFFSET BLOCKS: 6" X 8" X 1'-2"
6	1	PIPE SLEEVE: 2" X 5 ½" STANDARD PIPE
7	1	BEARING PLATE
8	1	BCT CABLE ASSEMBLY
9	1	CABLE ANCHOR BOX
10	1	STRUT & YOKE
11	1	STEEL PLATE BEAM, END PANEL 12 GA. 13'-6½" LONG FOR SKT-350, ET-2000 AND ET-2000 PLUS
12	3	STEEL PLATE BEAM: 12 GA. 13'-6½"
13	1	ET-2000/ET-2000 PLUS GUARDRAIL EXTRUDER OR SKT-350 IMPACT HEAD: AS FURNISHED BY MANUFACTURER
14	1	0.040" ALUMINUM SHEET WITH REFLECTIVE SHEETING TYPE F PER SECTION 637 OF THE STANDARD SPECIFICATIONS
15	1	E.A.T. MARKER POST

GENERAL NOTES

FOLLOW MANUFACTURE'S BOLTING RECOMMENDATIONS. IF NONE ARE AVAILABLE, INSTALL ⅝" ø X 1'-6" BUTTON HEAD BOLTS AT ALL POSTS EXCEPT FOR POST 1.

(A) THE SLOPE IN THE AREA BOUNDED BY THE GRADELINE, THE HINGE POINT LINE (HPL), AND THE CLEAR ZONE LIMITS (CZL) SHALL BE 4:1 OR FLATTER.

(B) AFTER FINAL ASSEMBLY, RECHECK CABLE TO BE SURE IT IS TAUT AND HAS NOT RELAXED.

(C) THE 13 SLOT FIRST RAIL PANEL MAY BE USED IN LIEU OF THE 3 SLOT RAIL PANEL ON SKT-350 ONLY.

(D) THE TOP OF THE STEEL TUBE ON POSTS 1 THROUGH 4 SHALL NOT BE MORE THAN 3" ABOVE THE FINISH GROUND ELEVATION.

(E) THE CENTER OF THE UPPER 3½" DIAMETER HOLE ON POST 5 THROUGH 8 SHALL BE ¾" ABOVE THE FINISHED GROUND LINE.

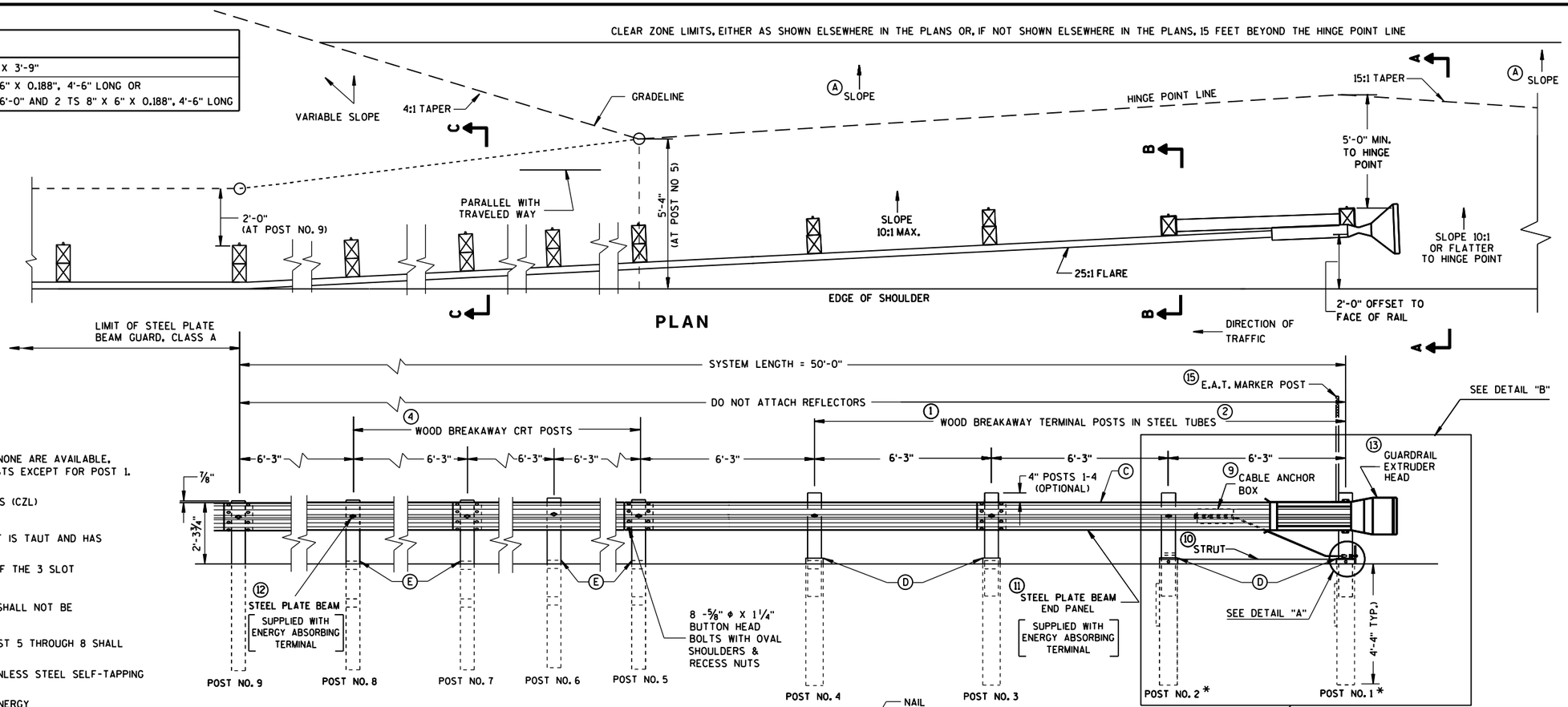
(F) ATTACH ALUMINUM SHEET TO E.A.T. HEAD USING 4 STAINLESS STEEL SELF-TAPPING SCREWS. ONE SCREW PER CORNER.

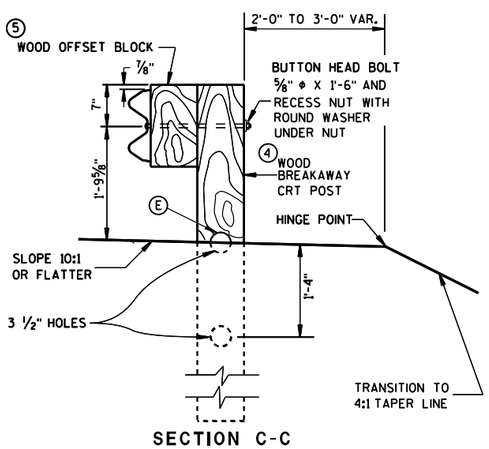
STEEL POSTS SHALL NOT BE ALLOWED FOR USE WITH ENERGY ABSORBING TERMINALS.

DO NOT INSTALL REFLECTORS ON THE FIRST 50 FEET OF THE APPROACH END OF THE ENERGY ABSORBING TERMINAL.

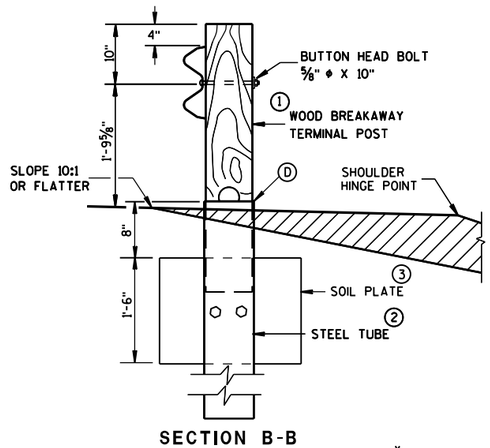
* DO NOT ATTACH BLOCKOUTS TO POSTS 1 AND 2.

** SDD SHOWS 4 - 54 INCH STEEL TUBES WITH SOIL PLATES INSTALLED ON POST 1 AND POST 2. POST 3 AND 4 DO NOT NEED SOIL PLATES. AN ALTERNATIVE INSTALLATION WOULD CONSIST OF 2 - 72 INCH STEEL TUBES ON POST 1 AND POST 2 AND 54 INCH SOIL TUBES ON POSTS 3 AND 4. THE ALTERNATIVE INSTALLATION DOES NOT REQUIRE SOIL PLATES.

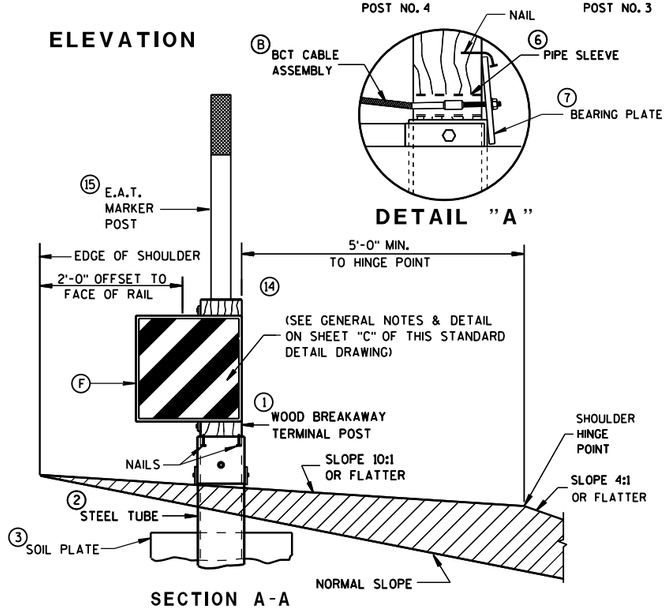




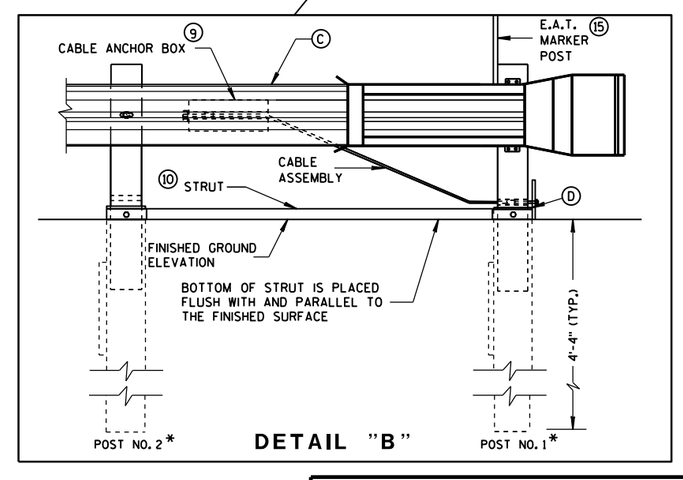
SECTION C-C
TYPICAL AT POST NOS. 6, 8



SECTION B-B
TYPICAL AT POST NO. 2*



SECTION A-A
TYPICAL AT POST NO. 1*

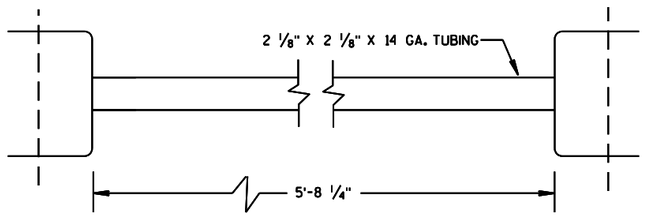


STEEL PLATE BEAM GUARD
ENERGY ABSORBING TERMINAL

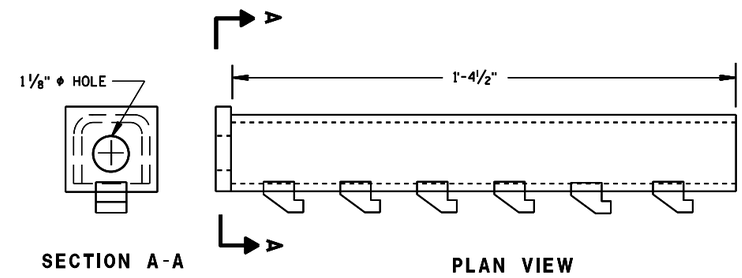
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

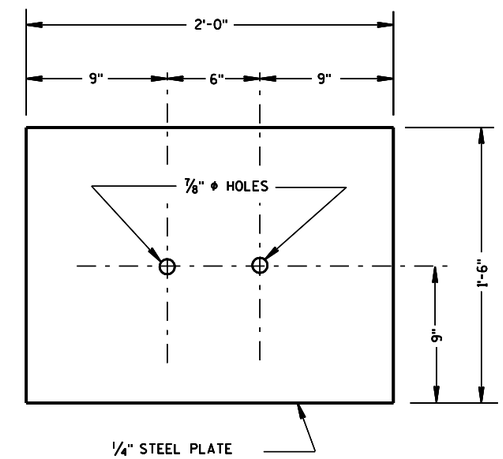
S.D.D. 14 B 24-8a



⑩ STRUT DETAIL (SKT-350)

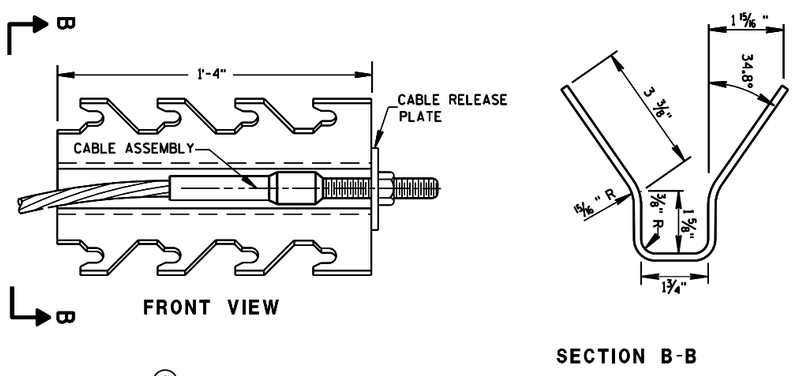


⑨ CABLE ANCHOR BOX (ET-2000/ET-2000 PLUS)



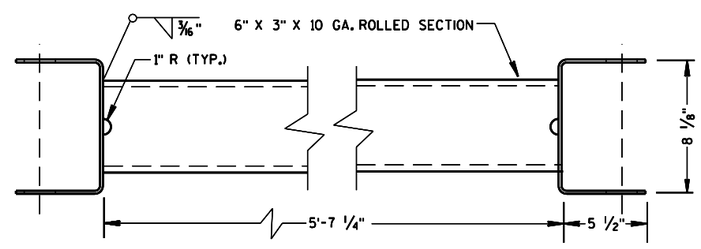
③ SOIL PLATE

(SKT-350, ET-2000/ET-2000 PLUS)



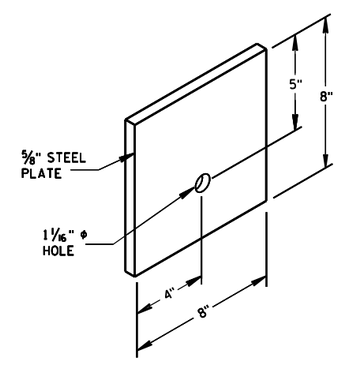
⑨ CABLE ANCHOR BOX (SKT-350)

(SKT-350)



⑩ STRUT DETAIL (ET-2000/ET-2000 PLUS)

(ET-2000/ET-2000 PLUS)



⑦ STEEL BEARING PLATE

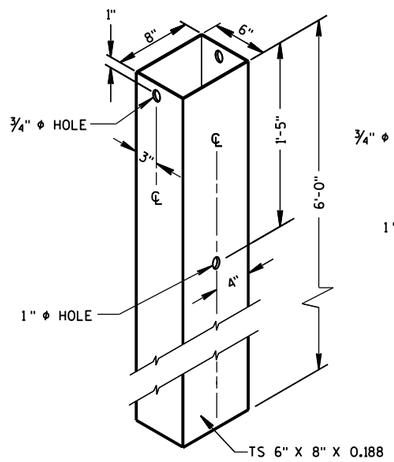
(SKT-350, ET-2000/ET-2000 PLUS)

STEEL PLATE BEAM GUARD
ENERGY ABSORBING TERMINAL

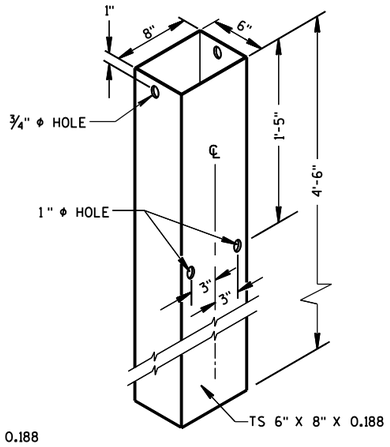
STATE OF WISCONSIN
DEPARTMENT OF TRANSPO

6

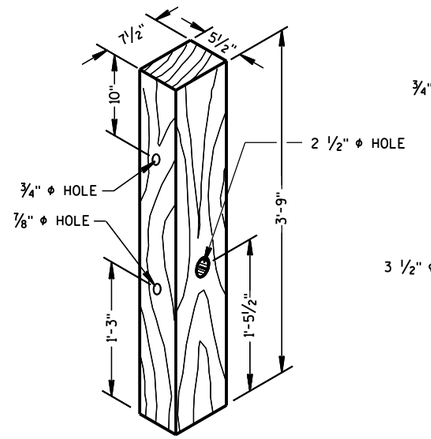
S.D.D. 14 B 24-8b



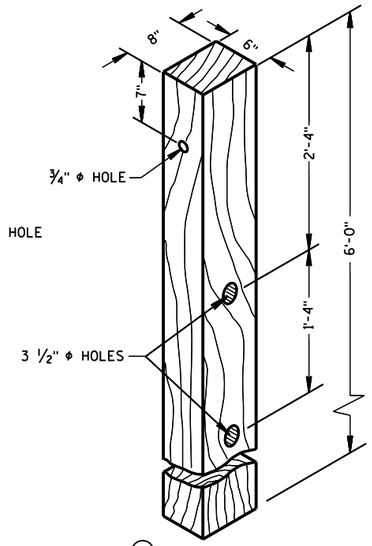
② 72" STEEL TUBE
(POSTS NO. 1-4



② 54" STEEL TUBE
(POSTS NO. 1-4



① TERMINAL POST
(POSTS NO. 1-4



④ CRT POST
(POSTS NO'S 5-8

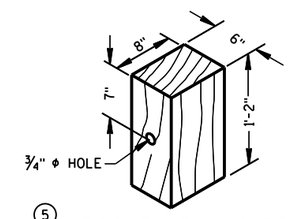
WOOD BREAKAWAY POSTS

GENERAL NOTES

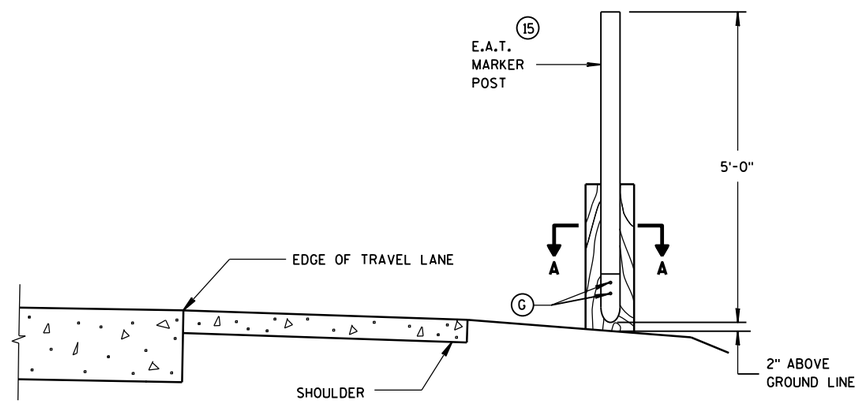
WHEN ROCK IS ENCOUNTERED DURING EXCAVATION, A 12 INCH DIA. POST HOLE EXTENDING 20 INCHES DEEP INTO THE ROCK MAY BE USED IF APPROVED BY THE ENGINEER. GRANULAR MATERIAL SHALL BE PLACED IN THE BOTTOM OF THE HOLE APPROXIMATELY 2 ½" INCHES DEEP TO PROVIDE DRAINAGE. THE SOIL TUBES SHALL BE FIELD CUT TO LENGTH, PLACED IN THE HOLE AND BACKFILLED WITH ADEQUATELY COMPACTED MATERIAL EXCAVATED FROM THE HOLE.

SEE APPROVED PRODUCTS LIST FOR ACCEPTABLE E. A. T. MARKER POST.

(G) ½" DIA. X 3" LAG BOLT WITH WASHER.

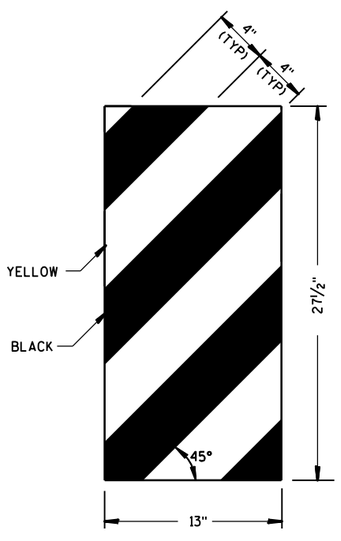


⑤ WOOD OFFSET BLOCK
REQ'D. AT ALL POSTS EXCEPT POST NO'S 1 & 2

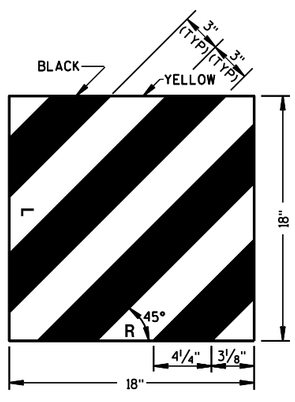


TYPICAL INSTALLATION OF E.A.T. MARKER POST BACKSIDE OF POST NO. 1

(E.A.T. AND RAIL REMOVED FOR CLARITY)

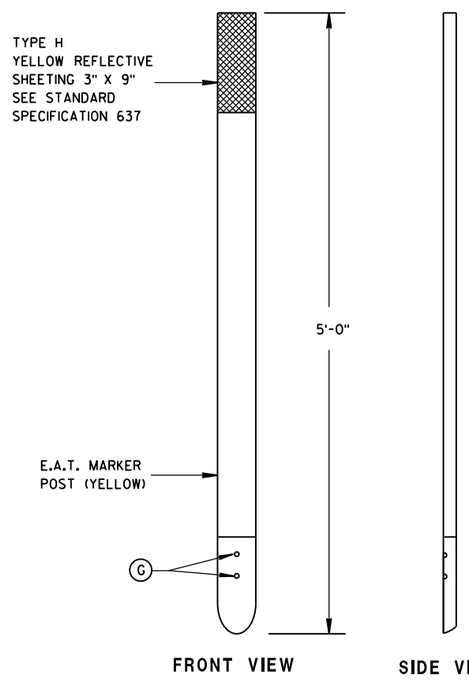


ET-2000 PLUS ONLY

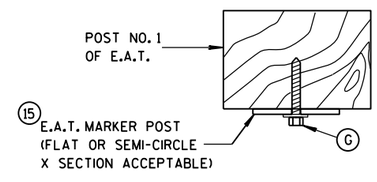


ET-2000 AND SKT-350

⑭ REFLECTIVE SHEETING DETAILS



⑮ E.A.T. MARKER POST



SECTION A-A

STEEL PLATE BEAM GUARD
ENERGY ABSORBING TERMINAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June 2014 — DATE
/S/ Jerry H. Zogg — ROADWAY STANDARDS DEVELOPMENT ENGINEER
FHWA

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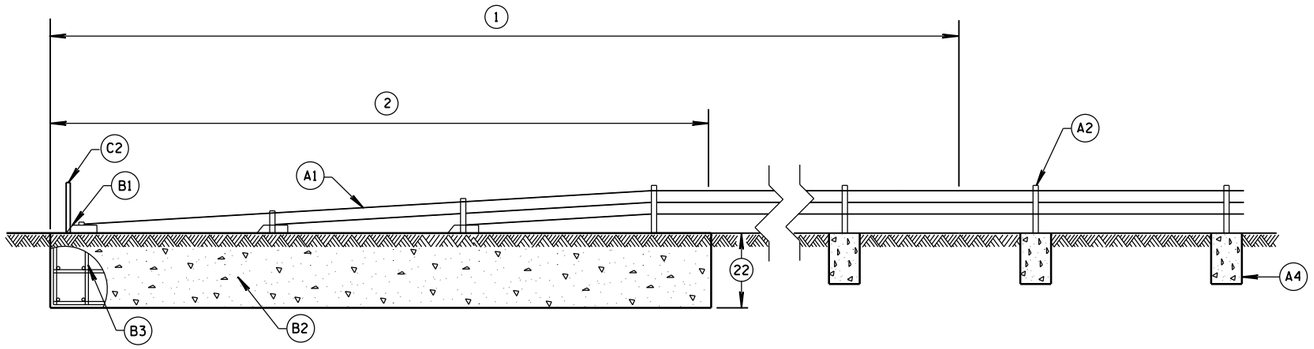
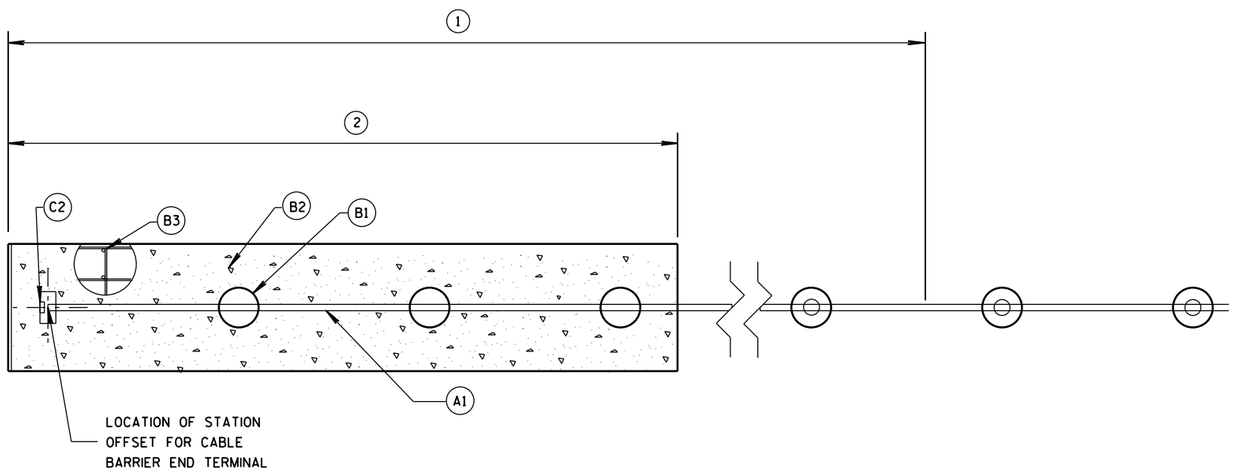
S.D.D. 14 B 24-8c

S.D.D. 14 B 24-8c

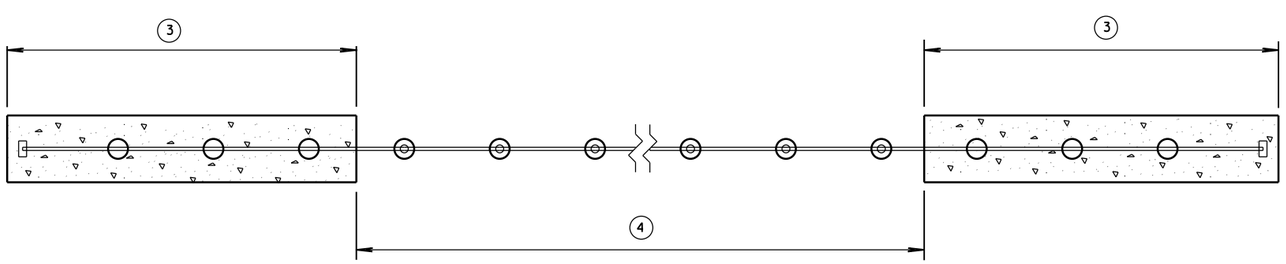


PROFILE VIEW



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	¾" 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.

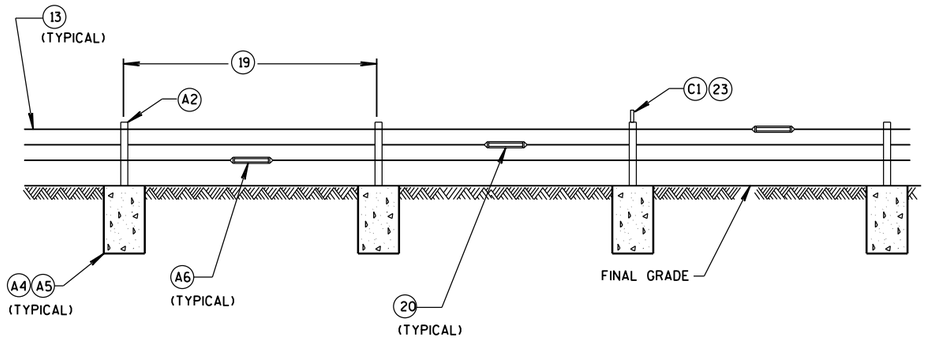
1. LOCATION OF LENGTH OF NEED POINT FOR CABLE BARRIER END TERMINAL VARIES. (SEE MANUFACTURER'S INFORMATION)
2. PAY LIMIT FOR CABLE BARRIER END TERMINAL. LENGTH OF CABLE BARRIER END TERMINAL VARIES. (SEE MANUFACTURER'S INFORMATION)
3. CABLE BARRIER END TERMINAL
4. CABLE BARRIER AND LINE POSTS

CABLE BARRIER TYPE 1 LAYOUT

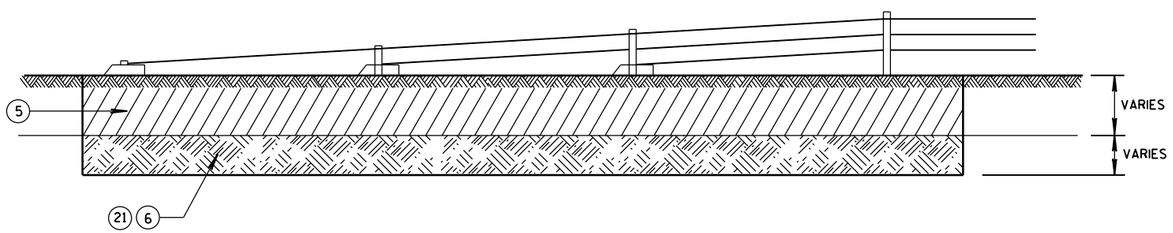
STATE OF WISCONSIN
DEPARTMENT OF TRANSPO

6

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

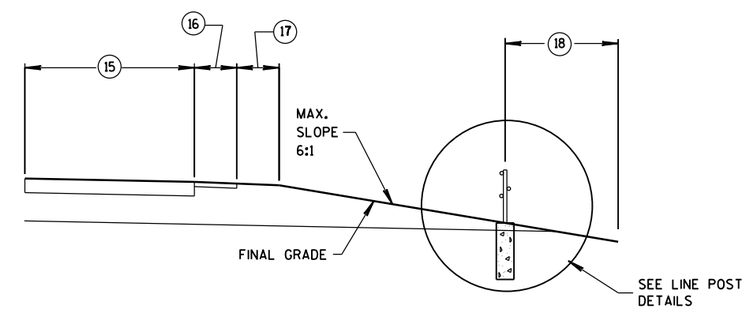


PROFILE VIEW
LINE POST INSTALLATION

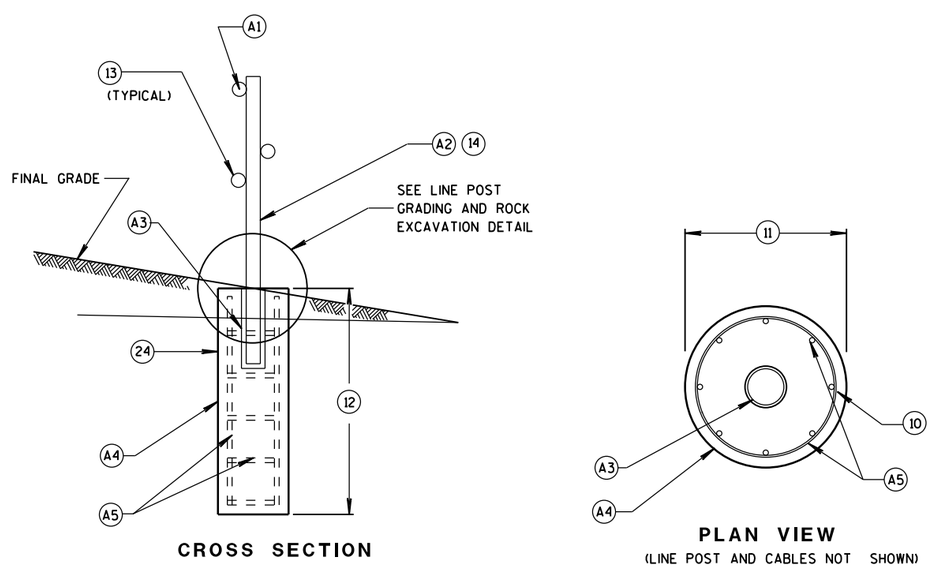


CABLE BARRIER END TERMINAL ROCK EXCAVATION DETAIL

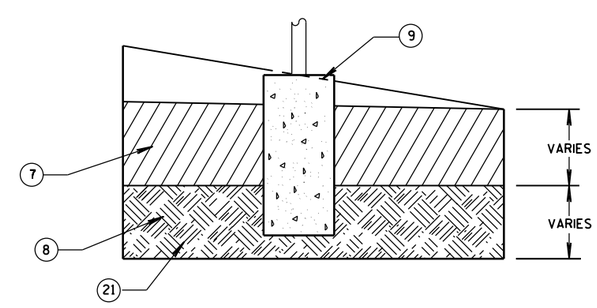
5. SOIL TO BE EXCAVATED FOR CABLE BARRIER END TERMINAL (VARIES).
6. ROCK TO BE EXCAVATED FOR CABLE BARRIER END TERMINAL (VARIES).
7. SOIL TO BE EXCAVATED FOR LINE POST (VARIES).
8. ROCK TO BE EXCAVATED FOR LINE POST (VARIES).
9. EXCAVATE AND GRADE LINE FOR LINE POST FOOTINGS. INSTALL LINE POST FOOTING 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.



CABLE BARRIER OFFSET FROM DITCH LINE



LINE POST DETAILS



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

LEGEND

- TYPE III BARRICADE WITH ATTACHED SIGN
- SIGN ON PERMENENT SUPPORT
- TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT
- TRAFFIC CONTROL DRUM
- FLASHING ARROW BOARD
- TYPE "A" WARNING LIGHT (FLASHING)
- REMOVING PAVEMENT MARKING
- DIRECTION OF TRAFFIC
- WORK AREA

GENERAL NOTES

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

THE SPACING BETWEEN SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND TO PROVIDE A MINIMUM OF 200 FEET, (500 FEET DESIREABLE) DISTANCE TO EXISTING SIGNS.

THIS LANE CLOSURE IS TYPICAL FOR CLOSING RIGHT LANE - REVERSE FOR CLOSING LEFT LANE.

ALL SIGNS ARE 48"×48" UNLESS OTHERWISE NOTED.

"WO" IS THE SAME AS "W" EXCEPT THE BACKGROUND IS ORANGE.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER. NO WARNING LIGHTS SHALL BE WORKING ON "COVERED" OR "DOWNED" SIGNS.

CONSIDER GEOMETRICS WHEN LOCATING SIGNS AND ARROW BOARD SO THE DRIVER HAS A CLEAR VIEW OF THE ARROW BOARD AND LANE CLOSURE DRUMS FOR A MINIMUM 1500 FEET IN FRONT OF DRUMS.

FOR A LANE CLOSURE THAT IS IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS, THE ADVANCED WARNING SIGNS MAY BE MOUNTED ON PORTABLE SUPPORTS.

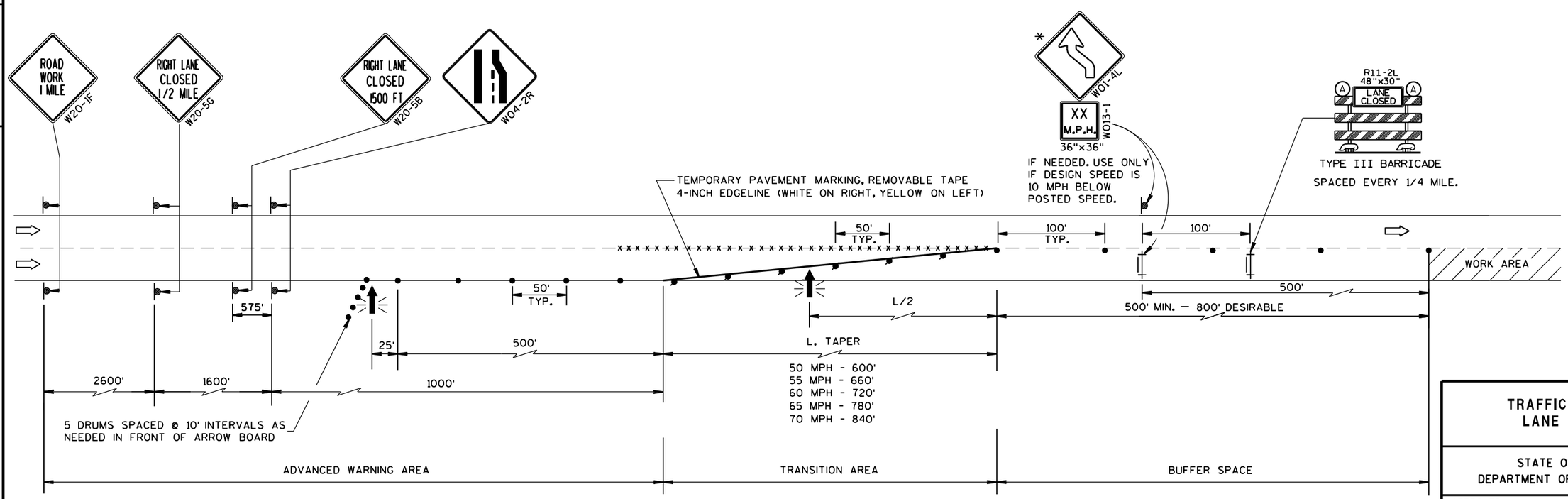
REMOVE PAVEMENT MARKINGS IF LANE CLOSURE IS TO BE IN PLACE FOR LONGER THAN 4 OR MORE DAYS AND NIGHTS.

WARNING LIGHTS ARE NOT REQUIRED IF THE LANE CLOSURE IS A DAYTIME ONLY OPERATION.

IF THE HORIZONTAL ALIGNMENT IS SUCH THAT A CURVE MAY REQUIRE ADDITIONAL DELINEATION, THE DEVICE SPACING MAY BE DECREASED TO 50 FEET.

ADJUSTMENTS IN BUFFER SPACE NEED TO BE INCORPORATED WHEN THE LANE CLOSURE OCCURS NEAR AN INTERCHANGE EXIT OR ENTRANCE RAMP. THE LANE CLOSURE MUST MUST TAKE PLACE FAR ENOUGH IN ADVANCE OF AN EXIT OR ENTRANCE RAMP TO STILL ALLOW FOR ADEQUATE BUFFER SPACE. THE MINIMUM LENGTH OF THE BUFFER SPACE BEFORE AN EXIT RAMP SHOULD BE 1/2 THE LENGTH OF THE TRANSITION AREA. THE ENTRANCE RAMP SHOULD BE FOLLOWED BY THE ORIGINAL BUFFER SPACE LENGTH OF 800 FEET DESIRABLE PRIOR TO ANOTHER TRAFFIC CONTROL CHANGE SUCH AS A CROSSOVER MANEUVER.

* THE LEFT REVERSE CURVE SIGN (WO1-4L) IS ONLY REQUIRED WHEN THIS DETAIL IS USED IN COMBINATION WITH "SINGLE LANE CROSSOVER" DETAIL.



TRAFFIC CONTROL, LANE CLOSURE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
March 2016 — /S/ Peter Amakobe Atepe
DATE — STATEWIDE WORK ZONE TRAFFIC SAFETY ENGINEER
FHWA

6

S.D.D. 15 D 12-6a

LEGEND

- TYPE III BARRICADE WITH ATTACHED SIGN
- SIGN ON PERMENENT SUPPORT
- TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT
- TRAFFIC CONTROL DRUM
- FLASHING ARROW BOARD
- TYPE "A" WARNING LIGHT (FLASHING)
- REMOVING PAVEMENT MARKING
- DIRECTION OF TRAFFIC
- WORK AREA

GENERAL NOTES

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

THE SPACING BETWEEN SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND TO PROVIDE A MINIMUM OF 200 FEET, (500 FEET DESIREABLE) DISTANCE TO EXISTING SIGNS.

THIS LANE CLOSURE IS TYPICAL FOR CLOSING RIGHT LANE - REVERSE FOR CLOSING LEFT LANE.

ALL SIGNS ARE 48"×48" UNLESS OTHERWISE NOTED.

"WO" IS THE SAME AS "W" EXCEPT THE BACKGROUND IS ORANGE.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER. NO WARNING LIGHTS SHALL BE WORKING ON "COVERED" OR "DOWNED" SIGNS.

CONSIDER GEOMETRICS WHEN LOCATING SIGNS AND ARROW BOARD SO THE DRIVER HAS A CLEAR VIEW OF THE ARROW BOARD AND LANE CLOSURE DRUMS FOR A MINIMUM 1500 FEET IN FRONT OF DRUMS.

FOR A LANE CLOSURE THAT IS IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS, THE ADVANCED WARNING SIGNS MAY BE MOUNTED ON PORTABLE SUPPORTS.

REMOVE PAVEMENT MARKINGS IF LANE CLOSURE IS TO BE IN PLACE FOR LONGER THAN 4 OR MORE DAYS AND NIGHTS.

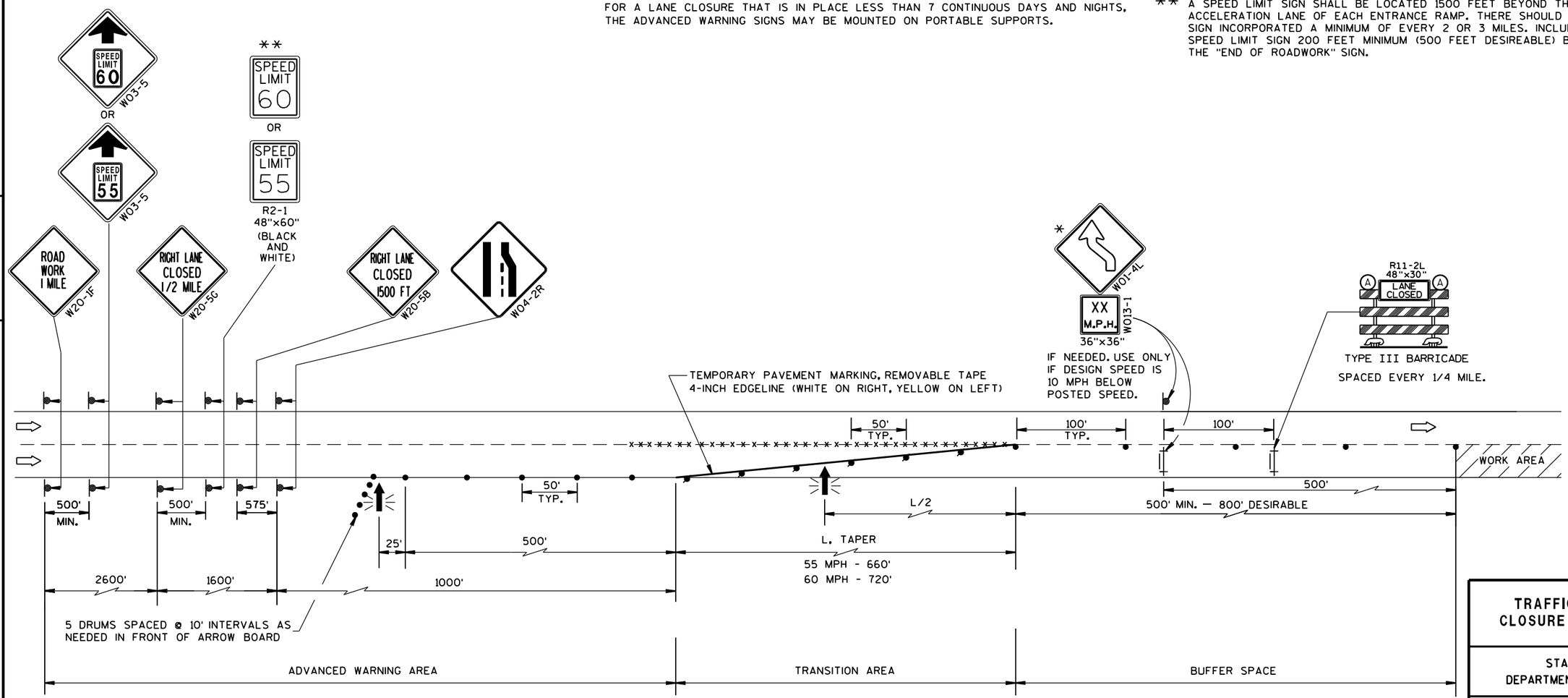
WARNING LIGHTS ARE NOT REQUIRED IF THE LANE CLOSURE IS A DAYTIME ONLY OPERATION.

IF THE HORIZONTAL ALIGNMENT IS SUCH THAT A CURVE MAY REQUIRE ADDITIONAL DELINEATION, THE DEVICE SPACING MAY BE DECREASED TO 50 FEET.

ADJUSTMENTS IN BUFFER SPACE NEED TO BE INCORPORATED WHEN THE LANE CLOSURE OCCURS NEAR AN INTERCHANGE EXIT OR ENTRANCE RAMP. THE LANE CLOSURE MUST MUST TAKE PLACE FAR ENOUGH IN ADVANCE OF AN EXIT OR ENTRANCE RAMP TO STILL ALLOW FOR ADEQUATE BUFFER SPACE. THE MINIMUM LENGTH OF THE BUFFER SPACE BEFORE AN EXIT RAMP SHOULD BE 1/2 THE LENGTH OF THE TRANSITION AREA. THE ENTRANCE RAMP SHOULD BE FOLLOWED BY THE ORIGINAL BUFFER SPACE LENGTH OF 800 FEET DESIRABLE PRIOR TO ANOTHER TRAFFIC CONTROL CHANGE SUCH AS A CROSSOVER MANEUVER.

* THE LEFT REVERSE CURVE SIGN (W01-4L) IS ONLY REQUIRED WHEN THIS DETAIL IS USED IN COMBINATION WITH "SINGLE LANE CROSSOVER" DETAIL.

** A SPEED LIMIT SIGN SHALL BE LOCATED 1500 FEET BEYOND THE END OF THE ACCELERATION LANE OF EACH ENTRANCE RAMP. THERE SHOULD BE A SPEED LIMIT SIGN INCORPORATED A MINIMUM OF EVERY 2 OR 3 MILES. INCLUDE A RESUME SPEED LIMIT SIGN 200 FEET MINIMUM (500 FEET DESIREABLE) BEYOND THE "END OF ROADWORK" SIGN.



TRAFFIC CONTROL, LANE CLOSURE, SPEED REDUCTION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
March 2016 — DATE
/S/ Peter Amakobe Atepe
STATEWIDE WORK ZONE SAFETY ENGINEER
FHWA

LEGEND

- TRAFFIC CONTROL DRUM
- SIGN ON PERMANENT SUPPORT
- DIRECTION OF TRAFFIC
- FLASHING ARROW BOARD
- WORK AREA

GENERAL NOTES

THIS DETAIL IS TYPICAL FOR CLOSING THE RIGHT SHOULDER. FOR CLOSING THE LEFT SHOULDER, REVERSE THE TRAFFIC CONTROL.

THIS DETAIL MAY BE USED FOR DIVIDED ROADWAYS WITH ANY NUMBER OF TRAVEL LANES.

THE EXACT NUMBER, LOCATION AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED.

SIGN LAYOUTS SHALL BE IN ACCORDANCE WITH THE FHWA'S MANUAL OF STANDARD HIGHWAY SIGNS OR THE WISCONSIN STANDARD SIGN PLATES.

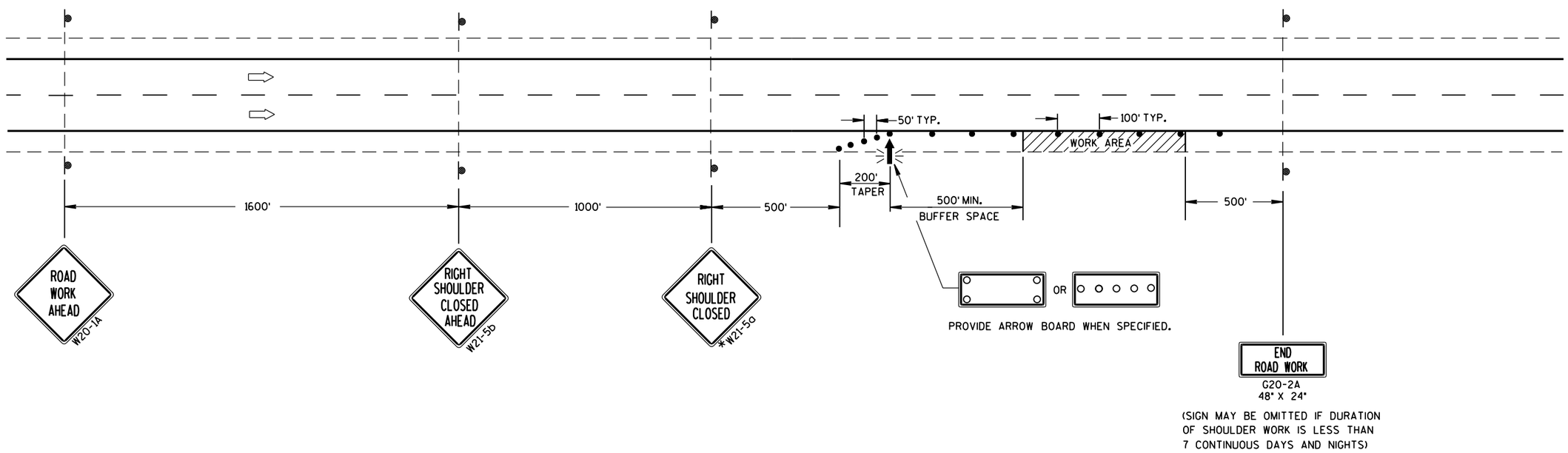
SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

CHANNELIZING DEVICES PLACED ADJACENT TO THE WORK AREA SHALL BE PULLED BACK FROM THE TRAVEL LANE WHEN WORK IS NOT IN PROGRESS.

WHEN A RAMP INTERSECTS THE FACILITY ON WHICH THE WORK IS BEING PERFORMED, ADDITIONAL TRAFFIC CONTROLS SHALL BE PROVIDED AS SPECIFIED IN THE PLANS AND/OR THE SPECIAL PROVISIONS OR AS APPROVED BY THE ENGINEER.

*FOR SHORT DURATION SHOULDER WORK OF LESS THAN ONE HOUR, THE W21-5a SIGN MAY BE OMITTED.



TRAFFIC CONTROL SHOULDER CLOSURE ON DIVIDED ROADWAY, SPEEDS GREATER THAN 40 MPH

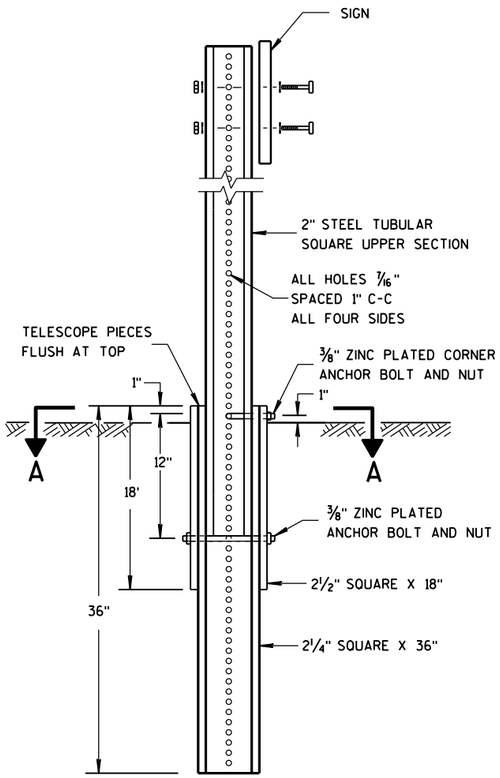
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

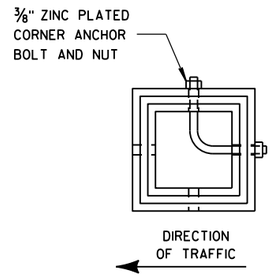
June 2016 — DATE

/S/ Peter Amakobe Atepe — STATEWIDE WORK ZONE TRAFFIC SAFETY ENGINEER

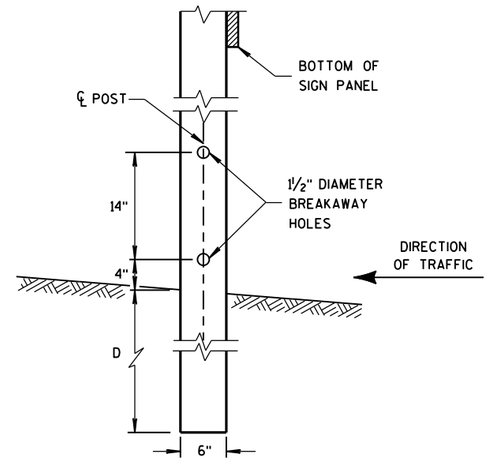
FHWA



DETAIL OF TUBULAR STEEL SIGN POST



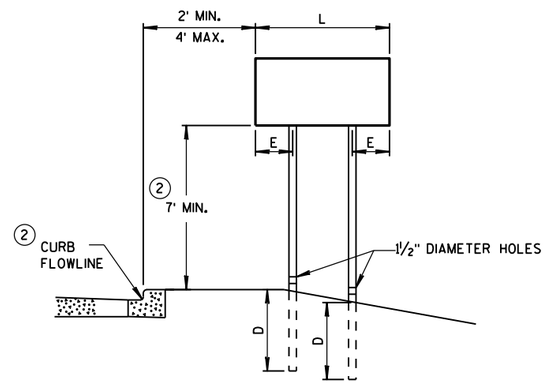
SECTION A-A



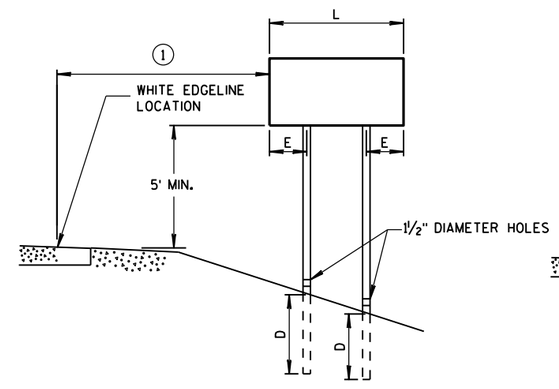
4"x6" WOOD POST MODIFICATION

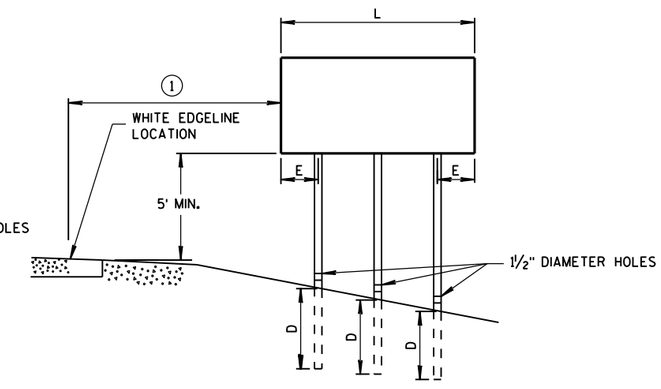
GENERAL NOTES

1. 6 FEET FROM THE EDGE OF PAVEMENT (EDGE LINE LOCATION) UNLESS OTHERWISE DIRECTED BY THE PROJECT ENGINEER. LATERAL OFFSET SHOULD BE ADJUSTED TO AVOID THE DITCH FLOWLINE.
2. THE EXISTENCE OF CURB AND GUTTER DOES NOT IN ITSELF MANDATE THE VERTICAL CLEARANCE ILLUSTRATED. THAT HEIGHT IS TYPICALLY MEASURED WHERE THERE IS SIDEWALK ADJACENT TO THE ROADWAY OR PARKING IS PERMITTED. IN THE ABSENCE OF SIDEWALK, VERTICAL CLEARANCE IS MEASURED FROM THE TOP OF THE CURB. IF NO SIDEWALK AND NO PARKING, VERTICAL CLEARANCE MAY BE REDUCED TO 5 FOOT MINIMUM. OFFSET OF SIGNS IS MEASURED FROM THE CURB FLOWLINE.
3. FOR SIGNS REQUIRING 4 POSTS, SPACE INTERMEDIATE POSTS EVENLY.



URBAN AREA





RURAL AREA

POST MOUNTING DETAIL FOR TEMPORARY TRAFFIC CONTROL FIXED MESSAGE SIGNS

TUBULAR STEEL POSTS

AREA OF SIGN INSTALLATION (SQ. FT.)	NUMBER OF REQUIRED TUBULAR STEEL POSTS
9 OR LESS	1
GREATER THAN 9 LESS THAN OR EQUAL TO 18	2
GREATER THAN 18 LESS THAN OR EQUAL TO 27	3

SIGNS WIDER THAN 3 FEET OR LARGER THAN 9 SQ. FT. SHALL BE MOUNTED ON MULTIPLE POSTS (SEE ABOVE TABLE).

SIGNS LARGER THAN 27 SQ. FT. SHALL NOT BE MOUNTED ON TUBULAR STEEL POSTS.

WOOD POST EMBEDMENT DEPTH

AREA OF SIGN INSTALLATION (SQ. FT.)	D (MIN)
20 OR LESS	4'
GREATER THAN 20	5'

4" X 6" WOOD POST

POST SPACING REQUIREMENTS		NUMBER OF WOOD POSTS REQUIRED
L	E	
48" OR LESS AND LESS THAN 20 SQ. FT.	-	1
LESS THAN 60"	12"	2
60" TO 120"	L/5	2
GREATER THAN 120" LESS THAN 168"	12"	3
168" AND GREATER	12"	4

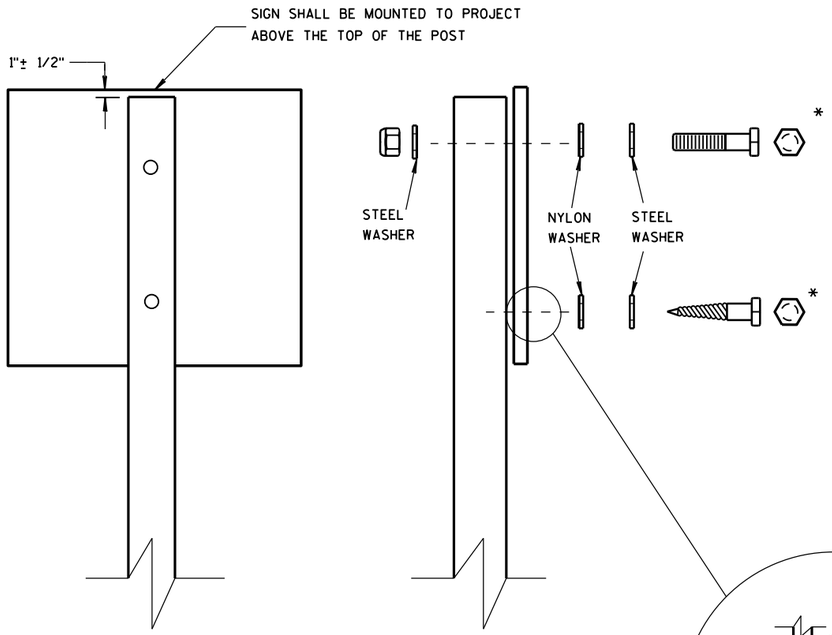
SEE NOTE 3

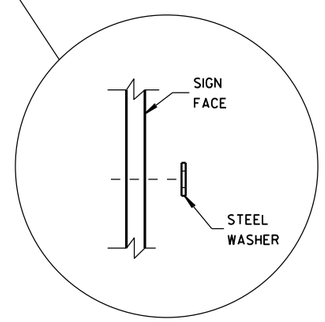
TEMPORARY TRAFFIC CONTROL FIXED MESSAGE SIGNS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPO

6

S.D.D. 15 D 38-1a





WASHER PLACEMENT WHEN SIGN HAS OTHER THAN TYPE H OR TYPE F FACE

NUTS, BOLTS AND LAGS USED FOR MOUNTING SIGNS SHALL HAVE HEXAGONAL HEADS AND SHALL BE EITHER:

A. HOT DIP GALVANIZED IN ACCORDANCE WITH ASTM DESIGNATION: A 153, CLASS D, OR SC 3

B. ELECTRO-GALVANIZED IN ACCORDANCE WITH ASTM DESIGNATION: B 633, TYPE III, SC 3

THREADS ON BOLTS AND NUTS SHALL BE MANUFACTURED WITH SUFFICIENT ALLOWANCE FOR THE CADMIUM PLATE OR GALVANIZED COATING TO PERMIT THE NUTS TO RUN FREELY ON THE BOLTS.

WOOD POSTS (4" x 4" or 4" x 6")

LAG SCREWS - 3/8" X 3"

MACHINE BOLTS - 5/16" X 6-1/2" OR 7" LENGTH W/ NUTS

SQUARE STEEL POSTS (2" x 2")

MACHINE BOLTS - 3/8" X 3-1/4" LENGTH W/ NUTS

RIVETS - 9/32" (6605-9-6) BULB-TITE, TRI-FOLD, ALUMINUM BODY/MANDREL O.D. FLANGE .720-.765 INCH, GRIP RANGE .042-.375 INCH

WASHERS (ALL POSTS) -

1-1/4" O.D. X 3/8" I.D. X 1/16" STEEL

1-1/4" O.D. X 3/8" I.D. X .080 NYLON FOR ALL TYPE H SIGNS

* TWO DIFFERENT FASTENING SYSTEMS ARE SHOWN FOR ILLUSTRATION PURPOSES. ON ANY INDIVIDUAL SIGN, EITHER ONE OR THE OTHER SYSTEM SHALL BE USED. ACTUAL NUMBER OF FASTENERS PER SIGN VARIES WITH THE SIGN AREA. FOR A SINGLE POST INSTALLATION, ALL SIGNS GREATER THAN 9 SQ. FT. REQUIRE THE USE OF 3 FASTENERS.

6

6

S.D.D. 15 D 38-1b

S.D.D. 15 D 38-1b

ATTACHMENT OF SIGNS TO POSTS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

Feb. 2015	/S/ Travis Feltes	
DATE	STATE TRAFFIC ENGINEER	SIGN

FHWA

JUNEAU NORTH SEC 1

STATION	Distance	AREA (SF) Cut	Salvaged/Unusable Pavement Material	Fill	Marsh Exc	Rock Exc	EBS	Incremental Vol (CY) (Unadjusted) Cut Note 1	Salvaged/Unusable Pavement Material Note 2	Fill Note 3	Cumulative Vol (CY) Cut 1.00 Note 1	Expanded Fill 1.25	Mass Ordinate Note 8
115+88	0.00	0.66	0.00	0.13	0.00	0.00	0.00	0.0	0	0	0	0	0.00
116+00	12.26	0.30	0.00	2.52	0.00	0.00	0.00	0.2	0	1	0	1	-0.54
116+50	50.00	0.02	0.00	3.06	0.00	0.00	0.00	0.3	0	5	1	7	-6.70
117+00	50.00	0.02	0.00	4.16	0.00	0.00	0.00	0.0	0	7	1	16	-15.03
117+50	50.00	0.00	0.00	2.83	0.00	0.00	0.00	0.0	0	6	1	24	-23.10
118+00	50.00	0.01	0.00	5.57	0.00	0.00	0.00	0.0	0	8	1	33	-32.83
118+50	50.00	0.06	0.00	5.32	0.00	0.00	0.00	0.1	0	10	1	46	-45.38
119+00	50.00	0.00	0.00	6.01	0.00	0.00	0.00	0.1	0	10	1	59	-58.44
119+50	50.00	0.03	0.00	2.66	0.00	0.00	0.00	0.0	0	8	1	69	-68.45
120+00	50.00	0.00	0.00	3.52	0.00	0.00	0.00	0.0	0	6	1	76	-75.58
120+50	50.00	0.00	0.00	0.71	0.00	0.00	0.00	0.0	0	4	1	81	-80.48
121+00	50.00	0.03	0.00	3.37	0.00	0.00	0.00	0.0	0	4	1	86	-85.19
121+50	50.00	0.08	0.00	4.47	0.00	0.00	0.00	0.1	0	7	1	95	-94.17
122+00	50.00	0.27	0.00	3.49	0.00	0.00	0.00	0.3	0	7	1	104	-103.07
122+50	50.00	0.05	0.00	2.72	0.00	0.00	0.00	0.3	0	6	1	111	-109.95
123+00	50.00	0.63	0.00	1.09	0.00	0.00	0.00	0.6	0	4	2	116	-113.73
123+50	50.00	0.15	0.00	1.21	0.00	0.00	0.00	0.7	0	2	3	118	-115.67
124+00	50.00	0.05	0.00	1.75	0.00	0.00	0.00	0.2	0	3	3	122	-118.90
124+50	50.00	0.00	0.00	6.26	0.00	0.00	0.00	0.0	0	7	3	131	-128.13
125+00	50.00	0.01	0.00	7.69	0.00	0.00	0.00	0.0	0	13	3	147	-144.27
125+50	50.00	0.16	0.00	7.22	0.00	0.00	0.00	0.1	0	14	3	165	-161.38
126+00	50.00	0.08	0.00	7.04	0.00	0.00	0.00	0.2	0	13	3	181	-177.67
126+50	50.00	0.02	0.00	7.14	0.00	0.00	0.00	0.1	0	13	4	197	-193.98
127+00	50.00	0.33	0.00	7.87	0.00	0.00	0.00	0.3	0	14	4	215	-211.02
127+50	50.00	0.00	0.00	9.55	0.00	0.00	0.00	0.3	0	16	4	235	-230.87
128+00	50.00	0.00	0.00	11.01	0.00	0.00	0.00	0.0	0	19	4	259	-254.66
128+50	50.00	0.01	0.00	11.03	0.00	0.00	0.00	0.0	0	20	4	284	-280.16
129+00	50.00	0.24	0.00	6.45	0.00	0.00	0.00	0.2	0	16	4	305	-300.17
129+50	50.00	0.00	0.00	12.77	0.00	0.00	0.00	0.2	0	18	5	327	-322.20
130+00	50.00	0.00	0.00	8.93	0.00	0.00	0.00	0.0	0	20	5	352	-347.31
130+50	50.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0	0	8	5	362	-357.65
								5	0	290			

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PROJECT NO: 1016-02-60 | **HWY:** IH 90/94 | **COUNTY:** JUNEAU | **EARTHWORK SUMMARY** | **SHEET NO:** 138 | E

FILE NAME : _____ PLOT DATE : _____ PLOT BY : _____ PLOT NAME : _____ ORG DATE : _____ ORIGINATOR : DIST _ PLOT SCALE : 1:1

JUNEAU NORTH SEC 2

STATION	Distance	AREA (SF) Cut	Salvaged/Unusable Pavement Material	Fill	Marsh Exc	Rock Exc	EBS	Incremental Vol (CY) (Unadjusted) Cut Note 1	Salvaged/Unusable Pavement Material Note 2	Fill Note 3	Cumulative Vol (CY) Cut 1.00 Note 1	Expanded Fill 1.25	Mass Ordinate Note 8
144+24	0.00	0.31	0.00	10.34	0.00	0.00	0.00	0.0	0	0	0	0	0.00
144+50	26.00	0.32	0.00	10.37	0.00	0.00	0.00	0.3	0	10	0	12	-12.16
145+00	50.00	0.38	0.00	9.43	0.00	0.00	0.00	0.7	0	18	1	35	-34.42
145+50	50.00	0.32	0.00	12.50	0.00	0.00	0.00	0.6	0	20	2	61	-59.15
146+00	50.00	0.15	0.00	11.79	0.00	0.00	0.00	0.4	0	22	2	89	-86.83
146+50	50.00	0.09	0.00	13.05	0.00	0.00	0.00	0.2	0	23	2	118	-115.37
147+00	50.00	0.07	0.00	14.09	0.00	0.00	0.00	0.1	0	25	2	149	-146.63
147+50	50.00	0.04	0.00	15.06	0.00	0.00	0.00	0.1	0	27	2	183	-180.26
148+00	50.00	0.02	0.00	15.06	0.00	0.00	0.00	0.1	0	28	3	218	-215.07
148+50	50.00	0.01	0.00	15.32	0.00	0.00	0.00	0.0	0	28	3	253	-250.20
149+00	50.00	0.01	0.00	22.55	0.00	0.00	0.00	0.0	0	35	3	297	-294.00
149+50	50.00	0.02	0.00	26.40	0.00	0.00	0.00	0.0	0	45	3	353	-350.63
150+00	50.00	0.03	0.00	24.16	0.00	0.00	0.00	0.0	0	47	3	412	-409.09
150+50	50.00	0.02	0.00	20.23	0.00	0.00	0.00	0.0	0	41	3	463	-460.42
151+00	50.00	0.01	0.00	17.68	0.00	0.00	0.00	0.0	0	35	3	507	-504.27
151+50	50.00	0.01	0.00	18.47	0.00	0.00	0.00	0.0	0	33	3	549	-546.09
152+00	50.00	0.02	0.00	22.16	0.00	0.00	0.00	0.0	0	38	3	596	-593.09
152+50	50.00	0.01	0.00	25.21	0.00	0.00	0.00	0.0	0	44	3	651	-647.88
153+00	50.00	0.01	0.00	25.87	0.00	0.00	0.00	0.0	0	47	3	710	-706.99
153+50	50.00	0.02	0.00	26.70	0.00	0.00	0.00	0.0	0	49	3	771	-767.81
154+00	50.00	0.05	0.00	20.94	0.00	0.00	0.00	0.1	0	44	3	826	-822.88
154+21	20.76	0.07	0.00	18.02	0.00	0.00	0.00	0.0	0	15	3	845	-841.56
154+50	29.24	0.06	0.00	14.09	0.00	0.00	0.00	0.1	0	17	3	866	-863.23
155+00	50.00	0.71	0.00	13.01	0.00	0.00	0.00	0.7	0	25	4	898	-893.88
155+50	50.00	0.94	0.00	16.06	0.00	0.00	0.00	1.5	0	27	5	931	-926.00
155+53	2.96	0.93	0.00	16.40	0.00	0.00	0.00	0.1	0	2	5	934	-928.12
								5	0	747			

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PROJECT NO: 1016-02-60 | **HWY:** IH 90/94 | **COUNTY:** JUNEAU | **EARTHWORK SUMMARY** | **SHEET NO:** E

FILE NAME : _____ PLOT DATE : _____ PLOT BY : _____ PLOT NAME : _____ ORG DATE : _____ ORIGINATOR : DIST _ PLOT SCALE : 1:1

JUNEAU NORTH SEC 3

STATION	Distance	AREA (SF) Cut	Salvaged/Unusable Pavement Material	Fill	Marsh Exc	Rock Exc	EBS	Incremental Vol (CY) (Unadjusted) Cut Note 1	Salvaged/Unusable Pavement Material Note 2	Fill Note 3	Cumulative Vol (CY) Cut 1.00 Note 1	Expanded Fill 1.25	Mass Ordinate Note 8
161+88	0.00	0.18	0.00	0.87	0.00	0.00	0.00	0.0	0	0	0	0	0.00
162+00	12.17	0.20	0.00	8.50	0.00	0.00	0.00	0.1	0	2	0	3	-2.56
162+50	50.00	0.16	0.00	20.95	0.00	0.00	0.00	0.3	0	27	0	37	-36.32
163+00	50.00	0.31	0.00	27.55	0.00	0.00	0.00	0.4	0	45	1	93	-92.02
163+39	39.00	0.86	0.00	27.12	0.00	0.00	0.00	0.8	0	39	2	142	-140.52
163+50	11.00	0.03	0.00	29.32	0.00	0.00	0.00	0.2	0	11	2	157	-154.71
163+78	28.00	0.03	0.00	36.57	0.00	0.00	0.00	0.0	0	34	2	199	-197.39
164+00	22.00	0.14	0.00	35.89	0.00	0.00	0.00	0.1	0	30	2	236	-234.22
164+50	50.00	0.00	0.00	37.74	0.00	0.00	0.00	0.1	0	68	2	321	-319.30
165+00	50.00	0.00	0.00	43.42	0.00	0.00	0.00	0.0	0	75	2	415	-413.24
165+50	50.00	0.00	0.00	47.53	0.00	0.00	0.00	0.0	0	84	2	521	-518.51
166+00	50.00	0.00	0.00	41.80	0.00	0.00	0.00	0.0	0	83	2	624	-621.89
166+50	50.00	0.00	0.00	41.40	0.00	0.00	0.00	0.0	0	77	2	720	-718.18
167+00	50.00	0.00	0.00	42.91	0.00	0.00	0.00	0.0	0	78	2	818	-815.76
167+50	50.00	0.00	0.00	37.49	0.00	0.00	0.00	0.0	0	74	2	911	-908.82
168+00	50.00	0.00	0.00	28.69	0.00	0.00	0.00	0.0	0	61	2	988	-985.42
168+46	46.38	0.00	0.00	21.07	0.00	0.00	0.00	0.0	0	43	2	1,041	-1,038.85
168+50	3.62	0.00	0.00	20.64	0.00	0.00	0.00	0.0	0	3	2	1,044	-1,042.34
169+00	50.00	0.00	0.00	9.22	0.00	0.00	0.00	0.0	0	28	2	1,079	-1,076.91
169+50	50.00	0.00	0.00	2.85	0.00	0.00	0.00	0.0	0	11	2	1,093	-1,090.88
170+00	50.00	0.00	0.00	0.72	0.00	0.00	0.00	0.0	0	3	2	1,097	-1,095.01
170+50	50.00	0.00	0.00	0.48	0.00	0.00	0.00	0.0	0	1	2	1,099	-1,096.40
171+00	50.00	0.00	0.00	0.32	0.00	0.00	0.00	0.0	0	1	2	1,099	-1,097.32
171+50	50.00	0.00	0.00	3.77	0.00	0.00	0.00	0.0	0	4	2	1,104	-1,102.06
172+00	50.00	0.00	0.00	5.79	0.00	0.00	0.00	0.0	0	9	2	1,115	-1,113.13
172+50	50.00	0.00	0.00	5.91	0.00	0.00	0.00	0.0	0	11	2	1,129	-1,126.68
173+00	50.00	0.00	0.00	4.06	0.00	0.00	0.00	0.0	0	9	2	1,140	-1,138.22
173+50	50.00	0.00	0.00	6.58	0.00	0.00	0.00	0.0	0	10	2	1,153	-1,150.53
174+00	50.00	0.00	0.00	7.75	0.00	0.00	0.00	0.0	0	13	2	1,169	-1,167.11
174+50	50.00	1.19	0.00	6.46	0.00	0.00	0.00	1.1	0	13	3	1,186	-1,182.45
175+00	50.00	1.24	0.00	5.55	0.00	0.00	0.00	2.2	0	11	5	1,200	-1,194.10
175+50	50.00	0.79	0.00	5.27	0.00	0.00	0.00	1.9	0	10	7	1,212	-1,204.75
176+00	50.00	0.91	0.00	5.03	0.00	0.00	0.00	1.6	0	10	9	1,224	-1,215.11
176+50	50.00	0.64	0.00	4.46	0.00	0.00	0.00	1.4	0	9	10	1,235	-1,224.66
177+00	50.00	0.64	0.00	0.00	0.00	0.00	0.00	1.2	0	4	12	1,240	-1,228.64
177+50	50.00	1.42	0.00	0.00	0.00	0.00	0.00	1.9	0	0	13	1,240	-1,226.74
177+63	13.00	0.00	0.00	0.00	0.00	0.00	0.00	0.3	0	0	14	1,240	-1,226.39
								14	0	992			

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PROJECT NO: 1016-02-60 | **HWY:** IH 90/94 | **COUNTY:** JUNEAU | **EARTHWORK SUMMARY** | **SHEET NO:** 140 | E

FILE NAME : _____ PLOT DATE : _____ PLOT BY : _____ PLOT NAME : _____ ORG DATE : _____ ORIGINATOR : DIST _ PLOT SCALE : 1:1

JUNEAU SOUTH SEC 1

STATION	Distance	AREA (SF) Cut	Salvaged/Unusable Pavement Material	Fill	Marsh Exc	Rock Exc	EBS	Incremental Vol (CY) (Unadjusted) Cut Note 1	Salvaged/Unusable Pavement Material Note 2	Fill Note 3	Cumulative Vol (CY) Cut 1.00 Note 1	Expanded Fill 1.25	Mass Ordinate Note 8
325+27	0.00	0.00	0.00	6.59	0.00	0.00	0.00	0	0	0	0	0	0.00
325+80	52.63	0.00	0.00	17.48	0.00	0.00	0.00	0	0	23	0	29	-29.32
326+00	20.04	0.00	0.00	16.48	0.00	0.00	0.00	0	0	13	0	45	-45.07
327+00	100.00	0.00	0.00	13.73	0.00	0.00	0.00	0	0	56	0	115	-114.99
328+00	100.00	0.03	0.00	11.45	0.00	0.00	0.00	0	0	47	0	173	-173.21
329+00	100.00	0.00	0.00	13.74	0.00	0.00	0.00	0	0	47	0	232	-231.47
329+26	26.41	3.11	0.00	15.83	0.00	0.00	0.00	2	0	14	2	250	-248.03
329+42	16.06	64.91	0.00	24.35	0.00	0.00	0.00	20	0	12	22	265	-242.73
329+51	8.26	104.78	0.00	47.31	0.00	0.00	0.00	26	0	11	48	278	-230.48
330+00	49.27	120.99	0.00	38.82	0.00	0.00	0.00	206	0	79	254	377	-122.71
331+00	100.00	87.21	0.00	36.94	0.00	0.00	0.00	386	0	140	639	552	87.49
332+00	100.00	4.20	0.00	68.83	0.00	0.00	0.00	169	0	196	809	797	11.92
333+00	100.00	0.17	0.00	113.22	0.00	0.00	0.00	8	0	337	817	1,218	-401.40
334+00	100.00	0.05	0.00	106.25	0.00	0.00	0.00	0	0	406	817	1,726	-909.03
334+47	46.99	0.00	0.00	113.48	0.00	0.00	0.00	0	0	191	817	1,965	-1,147.99
335+00	53.01	0.01	0.00	83.92	0.00	0.00	0.00	0	0	194	817	2,207	-1,390.19
336+00	100.00	0.05	0.00	49.31	0.00	0.00	0.00	0	0	247	817	2,516	-1,698.49
336+65	65.41	0.09	0.00	41.16	0.00	0.00	0.00	0	0	110	817	2,653	-1,835.31
337+00	34.59	0.05	0.00	28.67	0.00	0.00	0.00	0	0	45	818	2,709	-1,891.13
338+00	100.00	0.03	0.00	19.25	0.00	0.00	0.00	0	0	89	818	2,820	-2,001.92
339+00	100.00	0.02	0.00	23.08	0.00	0.00	0.00	0	0	78	818	2,918	-2,099.83
340+00	100.00	0.04	0.00	15.79	0.00	0.00	0.00	0	0	72	818	3,008	-2,189.70
341+00	100.00	0.09	0.00	15.40	0.00	0.00	0.00	0	0	58	818	3,080	-2,261.66
342+00	100.00	0.14	0.00	9.09	0.00	0.00	0.00	0	0	45	819	3,136	-2,317.94
343+00	100.00	0.08	0.00	6.52	0.00	0.00	0.00	0	0	29	819	3,173	-2,353.67
344+00	100.00	0.34	0.00	10.38	0.00	0.00	0.00	1	0	31	820	3,212	-2,392.00
345+00	100.00	0.09	0.00	16.72	0.00	0.00	0.00	1	0	50	821	3,274	-2,453.95
346+00	100.00	0.10	0.00	19.48	0.00	0.00	0.00	0	0	67	821	3,358	-2,537.41
347+00	100.00	0.11	0.00	17.15	0.00	0.00	0.00	0	0	68	821	3,443	-2,621.81
347+42	42.31	0.45	0.00	12.71	0.00	0.00	0.00	0	0	23	822	3,472	-2,650.62
347+54	11.76	0.24	0.00	39.48	0.00	0.00	0.00	0	0	11	822	3,487	-2,664.67
347+64	9.82	0.05	0.00	13.64	0.00	0.00	0.00	0	0	10	822	3,499	-2,676.70
348+00	36.11	0.13	0.00	9.62	0.00	0.00	0.00	0	0	16	822	3,518	-2,696.02
349+00	100.00	0.09	0.00	14.95	0.00	0.00	0.00	0	0	46	822	3,575	-2,752.49
350+00	100.00	0.06	0.00	22.36	0.00	0.00	0.00	0	0	69	823	3,661	-2,838.59
351+00	100.00	0.02	0.00	17.88	0.00	0.00	0.00	0	0	75	823	3,754	-2,931.59
352+00	100.00	0.02	0.00	19.13	0.00	0.00	0.00	0	0	69	823	3,840	-3,017.16
353+00	100.00	0.03	0.00	19.13	0.00	0.00	0.00	0	0	71	823	3,929	-3,105.62
354+00	100.00	0.05	0.00	18.09	0.00	0.00	0.00	0	0	69	823	4,015	-3,191.63
355+00	100.00	0.02	0.00	18.83	0.00	0.00	0.00	0	0	68	823	4,100	-3,276.97
356+00	100.00	0.02	0.00	11.60	0.00	0.00	0.00	0	0	56	823	4,171	-3,347.33
357+00	100.00	0.02	0.00	14.86	0.00	0.00	0.00	0	0	49	823	4,232	-3,408.49
358+00	100.00	0.01	0.00	10.76	0.00	0.00	0.00	0	0	47	824	4,291	-3,467.74
359+00	100.00	0.01	0.00	6.93	0.00	0.00	0.00	0	0	33	824	4,332	-3,508.65
360+00	100.00	0.02	0.00	5.81	0.00	0.00	0.00	0	0	24	824	4,362	-3,538.07
361+00	100.00	0.03	0.00	8.04	0.00	0.00	0.00	0	0	26	824	4,394	-3,570.04
362+00	100.00	0.04	0.00	6.67	0.00	0.00	0.00	0	0	27	824	4,428	-3,603.96

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PROJECT NO: 1016-02-60 | **HWY:** IH 90/94 | **COUNTY:** JUNEAU | **EARTHWORK SUMMARY** | **SHEET NO:** E

FILE NAME : _____ PLOT DATE : _____ PLOT BY : _____ PLOT NAME : _____ ORG DATE : _____ ORIGINATOR : DIST _ PLOT SCALE : 1:1

JUNEAU SOUTH SEC 1 CONTINUED

STATION	Distance	AREA (SF) Cut	Salvaged/Unusable Pavement Material	Fill	Marsh Exc	Rock Exc	EBS	Incremental Vol (CY) (Unadjusted) Cut Note 1	Salvaged/Unusable Pavement Material Note 2	Fill Note 3	Cumulative Vol (CY) Cut 1.00 Note 1	Expanded Fill 1.25	Mass Ordinate Note 8
363+00	100.00	0.35	0.00	2.44	0.00	0.00	0.00	1	0	17	825	4,449	-3,624.34
364+00	100.00	0.08	0.00	4.35	0.00	0.00	0.00	1	0	13	825	4,465	-3,639.27
365+00	100.00	0.05	0.00	5.75	0.00	0.00	0.00	0	0	19	826	4,488	-3,662.41
366+00	100.00	0.12	0.00	0.54	0.00	0.00	0.00	0	0	12	826	4,503	-3,676.68
366+12	11.69	0.44	0.00	0.00	0.00	0.00	0.00	0	0	0	826	4,503	-3,676.70
367+00	88.31	0.00	0.00	0.00	0.00	0.00	0.00	1	0	0	827	4,503	-3,675.99
367+07	6.59	0.36	0.00	0.13	0.00	0.00	0.00	0	0	0	827	4,503	-3,675.96
368+00	93.41	0.11	0.00	0.62	0.00	0.00	0.00	1	0	1	828	4,504	-3,676.78
369+00	100.00	0.09	0.00	0.80	0.00	0.00	0.00	0	0	3	828	4,508	-3,679.70
370+00	100.00	0.16	0.00	0.19	0.00	0.00	0.00	0	0	2	828	4,510	-3,681.53
371+00	100.00	0.03	0.00	4.22	0.00	0.00	0.00	0	0	8	829	4,520	-3,691.38
372+00	100.00	0.02	0.00	5.28	0.00	0.00	0.00	0	0	18	829	4,542	-3,713.29
373+00	100.00	0.09	0.00	0.27	0.00	0.00	0.00	0	0	10	829	4,555	-3,725.93
374+00	100.00	0.03	0.00	1.35	0.00	0.00	0.00	0	0	3	829	4,559	-3,729.47
374+31	30.55	0.05	0.00	0.40	0.00	0.00	0.00	0	0	1	829	4,560	-3,730.66
375+00	69.45	0.00	0.00	0.00	0.00	0.00	0.00	0	0	1	829	4,561	-3,731.23
382+00	700.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	829	4,561	-3,731.23
382+47	46.63	0.47	0.00	0.12	0.00	0.00	0.00	0	0	0	830	4,561	-3,730.95
383+00	53.37	0.00	0.00	0.49	0.00	0.00	0.00	0	0	1	830	4,562	-3,731.24
384+00	100.00	0.04	0.00	2.16	0.00	0.00	0.00	0	0	5	830	4,568	-3,737.32
385+00	100.00	0.02	0.00	3.96	0.00	0.00	0.00	0	0	11	830	4,582	-3,751.40
386+00	100.00	0.01	0.00	3.67	0.00	0.00	0.00	0	0	14	831	4,600	-3,769.03
386+95	94.57	0.46	0.00	0.42	0.00	0.00	0.00	1	0	7	831	4,609	-3,777.18
387+00	5.43	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	831	4,609	-3,777.19
390+00	300.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	831	4,609	-3,777.19
390+10	9.74	0.31	0.00	0.01	0.00	0.00	0.00	0	0	0	831	4,609	-3,777.14
390+43	33.23	0.09	0.00	0.94	0.00	0.00	0.00	0	0	1	832	4,609	-3,777.63
390+75	32.40	0.06	0.00	0.25	0.00	0.00	0.00	0	0	1	832	4,610	-3,778.42
391+00	24.63	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	832	4,610	-3,778.54
393+00	200.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	832	4,610	-3,778.54
393+83	82.56	0.04	0.00	0.30	0.00	0.00	0.00	0	0	0	832	4,611	-3,779.05
394+00	17.44	0.03	0.00	0.90	0.00	0.00	0.00	0	0	0	832	4,611	-3,779.51
395+00	100.00	0.09	0.00	0.82	0.00	0.00	0.00	0	0	3	832	4,615	-3,783.26
396+00	100.00	0.94	0.00	0.94	0.00	0.00	0.00	2	0	3	834	4,619	-3,785.43
397+00	100.00	0.14	0.00	3.38	0.00	0.00	0.00	2	0	8	836	4,629	-3,793.42
397+31	31.44	0.26	0.00	0.38	0.00	0.00	0.00	0	0	2	836	4,632	-3,795.92
398+00	68.56	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	837	4,633	-3,796.19
398+29	28.91	0.02	0.00	0.50	0.00	0.00	0.00	0	0	0	837	4,633	-3,796.51
399+00	71.09	0.02	0.00	0.66	0.00	0.00	0.00	0	0	2	837	4,635	-3,798.36
399+64	63.73	0.01	0.00	0.41	0.00	0.00	0.00	0	0	1	837	4,637	-3,799.90
400+00	36.27	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	837	4,637	-3,800.23
400+57	57.16	0.01	0.00	0.32	0.00	0.00	0.00	0	0	0	837	4,637	-3,800.65
400+85	28.25	0.01	0.00	0.73	0.00	0.00	0.00	0	0	1	837	4,638	-3,801.33
								837	0	3,710			

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PROJECT NO: 1016-02-60 | **HWY:** IH 90/94 | **COUNTY:** JUNEAU | **EARTHWORK SUMMARY** | **SHEET NO:** E

FILE NAME : _____ PLOT DATE : _____ PLOT BY : _____ PLOT NAME : _____ ORG DATE : _____ ORIGINATOR : DIST _ PLOT SCALE : 1:1

JUNEAU SOUTH SEC 2

STATION	Distance	AREA (SF) Cut	Salvaged/Unusable Pavement Material	Fill	Marsh Exc	Rock Exc	EBS	Incremental Vol (CY) (Unadjusted) Cut Note 1	Salvaged/Unusable Pavement Material Note 2	Fill Note 3	Cumulative Vol (CY) Cut 1.00 Note 1	Expanded Fill 1.25	Mass Ordinate Note 8
401+59	0.00	0.00	0.00	0.38	0.00	0.00	0.00	0.0	0	0	0	0	0.00
402+00	41.47	0.27	0.00	3.02	0.00	0.00	0.00	0.2	0	3	0	3	-3.05
402+50	50.00	0.00	0.00	2.81	0.00	0.00	0.00	0.2	0	5	0	10	-9.54
403+00	50.00	0.22	0.00	0.21	0.00	0.00	0.00	0.2	0	3	1	13	-12.83
403+50	50.00	0.33	0.00	0.89	0.00	0.00	0.00	0.5	0	1	1	15	-13.59
404+00	50.00	0.05	0.00	3.27	0.00	0.00	0.00	0.4	0	4	2	20	-18.05
404+50	50.00	0.54	0.00	0.26	0.00	0.00	0.00	0.5	0	3	2	24	-21.58
405+00	50.00	0.07	0.00	3.86	0.00	0.00	0.00	0.6	0	4	3	28	-25.79
405+50	50.00	0.13	0.00	6.09	0.00	0.00	0.00	0.2	0	9	3	40	-37.12
406+00	50.00	0.62	0.00	3.07	0.00	0.00	0.00	0.7	0	8	4	51	-47.03
406+50	50.00	0.05	0.00	3.66	0.00	0.00	0.00	0.6	0	6	4	58	-54.20
407+00	50.00	0.06	0.00	10.25	0.00	0.00	0.00	0.1	0	13	4	74	-70.20
407+50	50.00	0.01	0.00	7.64	0.00	0.00	0.00	0.1	0	17	4	95	-90.84
408+00	50.00	0.03	0.00	9.62	0.00	0.00	0.00	0.0	0	16	4	115	-110.77
408+50	50.00	0.02	0.00	13.89	0.00	0.00	0.00	0.0	0	22	4	142	-137.94
409+00	50.00	0.16	0.00	11.02	0.00	0.00	0.00	0.2	0	23	5	171	-166.61
409+50	50.00	0.15	0.00	14.26	0.00	0.00	0.00	0.3	0	23	5	200	-195.58
410+00	50.00	0.09	0.00	16.49	0.00	0.00	0.00	0.2	0	28	5	236	-230.95
410+50	50.00	0.08	0.00	6.49	0.00	0.00	0.00	0.2	0	21	5	263	-257.40
410+69	19.00	0.07	0.00	9.12	0.00	0.00	0.00	0.1	0	5	5	269	-264.21
411+00	31.00	0.05	0.00	14.06	0.00	0.00	0.00	0.1	0	13	5	286	-280.77
411+50	50.00	0.05	0.00	18.83	0.00	0.00	0.00	0.1	0	30	5	324	-318.75
412+00	50.00	0.07	0.00	13.76	0.00	0.00	0.00	0.1	0	30	6	362	-356.35
412+50	50.00	0.07	0.00	12.61	0.00	0.00	0.00	0.1	0	24	6	392	-386.73
413+00	50.00	0.03	0.00	11.72	0.00	0.00	0.00	0.1	0	23	6	421	-414.79
413+50	50.00	0.06	0.00	13.76	0.00	0.00	0.00	0.1	0	24	6	450	-444.20
414+00	50.00	0.11	0.00	11.06	0.00	0.00	0.00	0.2	0	23	6	479	-472.78
414+50	50.00	0.53	0.00	3.17	0.00	0.00	0.00	0.6	0	13	7	495	-488.67
415+00	50.00	0.39	0.00	1.35	0.00	0.00	0.00	0.9	0	4	7	501	-493.05
415+50	50.00	0.07	0.00	3.99	0.00	0.00	0.00	0.4	0	5	8	507	-498.79
415+59	9.40	0.07	0.00	3.36	0.00	0.00	0.00	0.0	0	1	8	508	-500.37
								8	0	407			

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PROJECT NO: 1016-02-60 | **HWY:** IH 90/94 | **COUNTY:** JUNEAU | **EARTHWORK SUMMARY** | **SHEET NO:** E

FILE NAME : _____ PLOT DATE : _____ PLOT BY : _____ PLOT NAME : _____ ORG DATE : _____ ORIGINATOR : DIST _ PLOT SCALE : 1:1

JUNEAU SOUTH SEC 3

STATION	Distance	AREA (SF) Cut	Salvaged/Unusable Pavement Material	Fill	Marsh Exc	Rock Exc	EBS	Incremental Vol (CY) (Unadjusted) Cut Note 1	Salvaged/Unusable Pavement Material Note 2	Fill Note 3	Cumulative Vol (CY) Cut 1.00 Note 1	Expanded Fill 1.25	Mass Ordinate Note 8
419+37	0.00	1.11	0.00	0.00	0.00	0.00	0.00	0.0	0	0	0	0	0.00
419+50	13.46	1.09	0.00	7.53	0.00	0.00	0.00	0.5	0	2	1	2	-1.80
420+00	50.00	0.54	0.00	5.01	0.00	0.00	0.00	1.5	0	12	2	17	-14.80
420+50	50.00	0.72	0.00	4.57	0.00	0.00	0.00	1.2	0	9	3	28	-24.73
421+00	50.00	0.98	0.00	3.52	0.00	0.00	0.00	1.6	0	7	5	37	-32.53
421+50	50.00	0.28	0.00	4.21	0.00	0.00	0.00	1.2	0	7	6	46	-40.31
422+00	50.00	0.15	0.00	4.39	0.00	0.00	0.00	0.4	0	8	6	56	-49.87
422+50	50.00	0.11	0.00	8.30	0.00	0.00	0.00	0.2	0	12	7	71	-64.32
423+00	50.00	0.08	0.00	4.30	0.00	0.00	0.00	0.2	0	12	7	86	-78.73
423+40	39.56	0.09	0.00	3.38	0.00	0.00	0.00	0.1	0	6	7	93	-85.65
423+50	10.44	0.02	0.00	4.52	0.00	0.00	0.00	0.0	0	2	7	94	-87.53
424+00	50.00	0.06	0.00	4.97	0.00	0.00	0.00	0.1	0	9	7	105	-98.45
424+50	50.00	0.12	0.00	3.40	0.00	0.00	0.00	0.2	0	8	7	115	-107.98
425+00	50.00	0.08	0.00	1.45	0.00	0.00	0.00	0.2	0	4	7	121	-113.41
425+50	50.00	0.18	0.00	3.21	0.00	0.00	0.00	0.2	0	4	8	126	-118.57
426+00	50.00	0.01	0.00	2.54	0.00	0.00	0.00	0.2	0	5	8	133	-125.05
426+50	50.00	0.05	0.00	3.45	0.00	0.00	0.00	0.1	0	6	8	140	-131.93
427+00	50.00	0.11	0.00	4.35	0.00	0.00	0.00	0.1	0	7	8	149	-140.81
427+50	50.00	0.08	0.00	6.11	0.00	0.00	0.00	0.2	0	10	8	161	-152.75
428+00	50.00	0.27	0.00	4.08	0.00	0.00	0.00	0.3	0	9	8	173	-164.23
428+50	50.00	0.10	0.00	4.43	0.00	0.00	0.00	0.3	0	8	9	183	-173.75
429+00	50.00	0.09	0.00	2.78	0.00	0.00	0.00	0.2	0	7	9	191	-181.92
429+50	50.00	0.02	0.00	4.44	0.00	0.00	0.00	0.1	0	7	9	199	-190.18
430+00	50.00	0.03	0.00	4.33	0.00	0.00	0.00	0.1	0	8	9	209	-200.28
430+40	40.00	0.01	0.00	2.53	0.00	0.00	0.00	0.0	0	5	9	216	-206.60
430+50	10.00	0.01	0.00	2.08	0.00	0.00	0.00	0.0	0	1	9	217	-207.66
431+00	50.00	0.02	0.00	2.90	0.00	0.00	0.00	0.0	0	5	9	223	-213.40
431+50	50.00	0.02	0.00	4.02	0.00	0.00	0.00	0.0	0	6	9	231	-221.37
432+00	50.00	0.11	0.00	0.87	0.00	0.00	0.00	0.1	0	5	9	236	-226.91
432+33	32.51	0.30	0.00	0.04	0.00	0.00	0.00	0.2	0	1	10	237	-227.35
432+50	17.49	0.00	0.00	0.00	0.00	0.00	0.00	0.1	0	0	10	237	-227.27
435+50	300.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0	0	0	10	237	-227.27
435+86	36.00	0.47	0.00	2.39	0.00	0.00	0.00	0.3	0	2	10	239	-228.96
436+00	14.00	0.38	0.00	4.08	0.00	0.00	0.00	0.2	0	2	10	241	-230.84
436+50	50.00	0.01	0.00	9.35	0.00	0.00	0.00	0.4	0	12	11	257	-246.01
437+00	50.00	0.00	0.00	9.80	0.00	0.00	0.00	0.0	0	18	11	279	-268.16
437+40	40.44	0.17	0.00	2.95	0.00	0.00	0.00	0.1	0	10	11	291	-279.97
437+50	9.56	0.15	0.00	2.43	0.00	0.00	0.00	0.1	0	1	11	292	-281.10
438+00	50.00	0.05	0.00	1.87	0.00	0.00	0.00	0.2	0	4	11	297	-285.90
438+15	14.62	0.78	0.00	0.03	0.00	0.00	0.00	0.2	0	1	11	297	-286.32
438+50	35.38	0.00	0.00	0.00	0.00	0.00	0.00	0.5	0	0	12	298	-285.83
438+56	5.92	1.47	0.00	0.00	0.00	0.00	0.00	0.2	0	0	12	298	-285.67
439+00	44.08	0.04	0.00	3.46	0.00	0.00	0.00	1.2	0	3	13	301	-287.96
439+47	46.66	0.53	0.00	0.04	0.00	0.00	0.00	0.5	0	3	14	305	-291.24
439+50	3.34	0.00	0.00	0.00	0.00	0.00	0.00	0.0	0	0	14	305	-291.21
441+50	200.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0	0	0	14	305	-291.21
441+75	25.00	0.02	0.00	0.23	0.00	0.00	0.00	0.0	0	0	14	305	-291.34
442+00	25.00	0.02	0.00	1.02	0.00	0.00	0.00	0.0	0	1	14	306	-292.05
442+50	50.00	0.01	0.00	3.50	0.00	0.00	0.00	0.0	0	4	14	311	-297.24
443+00	50.00	0.05	0.00	5.42	0.00	0.00	0.00	0.1	0	8	14	321	-307.51
443+50	50.00	0.01	0.00	3.42	0.00	0.00	0.00	0.1	0	8	14	331	-317.67
444+00	50.00	0.01	0.00	8.92	0.00	0.00	0.00	0.0	0	11	14	346	-331.93
444+50	50.00	0.01	0.00	8.99	0.00	0.00	0.00	0.0	0	17	14	366	-352.63
445+00	50.00	0.00	0.00	9.24	0.00	0.00	0.00	0.0	0	17	14	388	-373.71
445+50	50.00	0.01	0.00	5.92	0.00	0.00	0.00	0.0	0	14	14	405	-391.24
445+74	23.81	0.42	0.00	0.15	0.00	0.00	0.00	0.2	0	3	14	408	-394.39
446+00	26.19	0.00	0.00	0.00	0.00	0.00	0.00	0.2	0	0	14	409	-394.28
446+35	35.00	0.73	0.00	1.23	0.00	0.00	0.00	0.5	0	1	15	410	-394.80
446+50	15.00	0.01	0.00	6.02	0.00	0.00	0.00	0.2	0	2	15	412	-397.11
447+00	50.00	0.29	0.00	3.54	0.00	0.00	0.00	0.3	0	9	15	423	-407.89
447+22	21.60	0.01	0.00	0.02	0.00	0.00	0.00	0.1	0	1	15	425	-409.55
								15	0	340			

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PROJECT NO: 1016-02-60 | **HWY:** IH 90/94 | **COUNTY:** JUNEAU | **EARTHWORK SUMMARY** | **SHEET NO:** 144 | E

FILE NAME : _____ PLOT DATE : _____ PLOT BY : _____ PLOT NAME : _____ ORG DATE : _____ ORIGINATOR : DIST _ PLOT SCALE : 1:1

SAUK NORTH SEC 1

STATION	Distance	AREA (SF) Cut	Salvaged/Unusable Pavement Material	Fill	Marsh Exc	Rock Exc	EBS	Incremental Vol (CY) (Unadjusted) Cut Note 1	Salvaged/Unusable Pavement Material Note 2	Fill Note 3	Cumulative Vol (CY) Cut 1.00 Note 1	Expanded Fill 1.25	Mass Ordinate Note 8
649+50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0	0	0	0	0	0.00
650+00	50.00	0.00	0.00	2.33	0.00	0.00	0.00	0.0	0	2	0	3	-2.69
650+50	50.00	0.00	0.00	0.92	0.00	0.00	0.00	0.0	0	3	0	6	-6.46
651+00	50.00	0.28	0.00	0.10	0.00	0.00	0.00	0.3	0	1	0	8	-7.39
651+50	50.00	0.63	0.00	0.00	0.00	0.00	0.00	0.8	0	0	1	8	-6.67
652+00	50.00	0.00	0.00	1.34	0.00	0.00	0.00	0.6	0	1	2	9	-7.64
652+50	50.00	0.00	0.00	1.73	0.00	0.00	0.00	0.0	0	3	2	13	-11.20
652+87	36.77	0.00	0.00	3.20	0.00	0.00	0.00	0.0	0	3	2	17	-15.40
653+00	13.23	0.00	0.00	5.94	0.00	0.00	0.00	0.0	0	2	2	20	-18.20
653+50	50.00	0.00	0.00	4.96	0.00	0.00	0.00	0.0	0	10	2	32	-30.81
654+00	50.00	0.01	0.00	6.20	0.00	0.00	0.00	0.0	0	10	2	45	-43.71
654+50	50.00	0.00	0.00	6.86	0.00	0.00	0.00	0.0	0	12	2	61	-58.81
655+00	50.00	0.00	0.00	8.30	0.00	0.00	0.00	0.0	0	14	2	78	-76.36
655+50	50.00	0.00	0.00	7.41	0.00	0.00	0.00	0.0	0	15	2	96	-94.54
656+00	50.00	0.00	0.00	8.30	0.00	0.00	0.00	0.0	0	15	2	114	-112.73
656+50	50.00	0.00	0.00	9.27	0.00	0.00	0.00	0.0	0	16	2	135	-133.06
657+00	50.00	0.00	0.00	9.27	0.00	0.00	0.00	0.0	0	17	2	156	-154.52
657+50	50.00	0.03	0.00	9.75	0.00	0.00	0.00	0.0	0	18	2	178	-176.51
658+00	50.00	0.05	0.00	2.14	0.00	0.00	0.00	0.1	0	11	2	192	-190.20
658+50	50.00	0.00	0.00	12.79	0.00	0.00	0.00	0.0	0	14	2	209	-207.42
659+00	50.00	0.00	0.00	12.61	0.00	0.00	0.00	0.0	0	24	2	239	-236.82
659+50	50.00	0.00	0.00	12.42	0.00	0.00	0.00	0.0	0	23	2	268	-265.79
660+00	50.00	0.00	0.00	11.66	0.00	0.00	0.00	0.0	0	22	2	296	-293.66
660+50	50.00	0.01	0.00	11.55	0.00	0.00	0.00	0.0	0	21	2	322	-320.51
661+00	50.00	0.00	0.00	9.18	0.00	0.00	0.00	0.0	0	19	2	346	-344.49
661+50	50.00	0.00	0.00	10.44	0.00	0.00	0.00	0.0	0	18	2	369	-367.20
662+00	50.00	0.00	0.00	11.72	0.00	0.00	0.00	0.0	0	21	2	395	-392.85
662+50	50.00	0.00	0.00	13.88	0.00	0.00	0.00	0.0	0	24	2	424	-422.46
663+00	50.00	0.00	0.00	16.18	0.00	0.00	0.00	0.0	0	28	2	459	-457.24
663+50	50.00	0.00	0.00	17.79	0.00	0.00	0.00	0.0	0	31	2	498	-496.56
664+00	50.00	0.00	0.00	19.32	0.00	0.00	0.00	0.0	0	34	2	541	-539.52
664+50	50.00	0.18	0.00	15.65	0.00	0.00	0.00	0.2	0	32	2	582	-579.83
665+00	50.00	0.00	0.00	21.47	0.00	0.00	0.00	0.2	0	34	2	625	-622.61
665+50	50.00	0.00	0.00	18.90	0.00	0.00	0.00	0.0	0	37	2	672	-669.33
666+00	50.00	0.00	0.00	19.14	0.00	0.00	0.00	0.0	0	35	2	716	-713.36
666+50	50.00	0.00	0.00	14.05	0.00	0.00	0.00	0.0	0	31	2	754	-751.76
667+00	50.00	0.46	0.00	14.58	0.00	0.00	0.00	0.4	0	27	3	787	-784.46
667+50	50.00	0.00	0.00	13.71	0.00	0.00	0.00	0.4	0	26	3	820	-816.77
667+87	36.77	0.00	0.00	5.69	0.00	0.00	0.00	0.0	0	13	3	836	-833.29
668+00	13.23	0.00	0.00	2.24	0.00	0.00	0.00	0.0	0	2	3	839	-835.72
668+31	31.07	0.04	0.00	7.40	0.00	0.00	0.00	0.0	0	6	3	846	-842.63
668+50	18.93	0.00	0.00	13.23	0.00	0.00	0.00	0.0	0	7	3	855	-851.66
669+00	50.00	0.01	0.00	14.40	0.00	0.00	0.00	0.0	0	26	3	887	-883.62
669+50	50.00	0.00	0.00	14.72	0.00	0.00	0.00	0.0	0	27	3	920	-917.32
670+00	50.00	0.00	0.00	15.43	0.00	0.00	0.00	0.0	0	28	3	955	-952.21
670+50	50.00	0.39	0.00	12.51	0.00	0.00	0.00	0.4	0	26	4	988	-984.18
671+00	50.00	0.19	0.00	8.37	0.00	0.00	0.00	0.5	0	19	4	1,012	-1,007.80
671+50	50.00	0.00	0.00	10.17	0.00	0.00	0.00	0.2	0	17	4	1,033	-1,029.09
672+00	50.00	0.02	0.00	8.77	0.00	0.00	0.00	0.0	0	18	4	1,055	-1,050.99
672+50	50.00	0.13	0.00	3.52	0.00	0.00	0.00	0.1	0	11	4	1,069	-1,065.08
673+00	50.00	0.00	0.00	3.94	0.00	0.00	0.00	0.1	0	7	5	1,078	-1,073.59
673+50	50.00	0.35	0.00	3.77	0.00	0.00	0.00	0.3	0	7	5	1,087	-1,082.19
674+00	50.00	0.61	0.00	5.94	0.00	0.00	0.00	0.9	0	9	6	1,098	-1,092.54
674+50	50.00	0.48	0.00	8.13	0.00	0.00	0.00	1.0	0	13	7	1,115	-1,107.80
675+00	50.00	0.41	0.00	7.75	0.00	0.00	0.00	0.8	0	15	8	1,133	-1,125.36
675+50	50.00	0.86	0.00	6.08	0.00	0.00	0.00	1.2	0	13	9	1,149	-1,140.20
676+00	50.00	0.33	0.00	8.30	0.00	0.00	0.00	1.1	0	13	10	1,166	-1,155.74
676+50	50.00	0.10	0.00	9.80	0.00	0.00	0.00	0.4	0	17	10	1,187	-1,176.29
676+77	26.52	0.00	0.00	6.13	0.00	0.00	0.00	0.0	0	8	10	1,196	-1,186.03
677+00	23.48	0.00	0.00	3.70	0.00	0.00	0.00	0.0	0	4	10	1,202	-1,191.37
677+50	50.00	0.00	0.00	4.50	0.00	0.00	0.00	0.0	0	8	10	1,211	-1,200.87
678+00	50.00	0.57	0.00	3.50	0.00	0.00	0.00	0.5	0	7	11	1,220	-1,209.59
678+50	50.00	0.31	0.00	1.64	0.00	0.00	0.00	0.8	0	5	12	1,226	-1,214.73
678+79	29.27	0.00	0.00	0.37	0.00	0.00	0.00	0.2	0	1	12	1,228	-1,215.92
								12	0	982			

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PROJECT NO: 1016-02-60 | **HWY:** IH 90/94 | **COUNTY:** SAUK | **EARTHWORK SUMMARY** | **SHEET NO:** 145 | E

FILE NAME : _____ PLOT DATE : _____ PLOT BY : _____ PLOT NAME : _____ ORG DATE : _____ ORIGINATOR : DIST _ PLOT SCALE : 1:1

SAUK NORTH SEC 2

STATION	Distance	AREA (SF) Cut	Salvaged/Unusable Pavement Material	Fill	Marsh Exc	Rock Exc	EBS	Incremental Vol (CY) (Unadjusted) Cut Note 1	Salvaged/Unusable Pavement Material Note 2	Fill Note 3	Cumulative Vol (CY) Cut 1.00 Note 1	Expanded Fill 1.25	Mass Ordinate Note 8
680+50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0.00
680+68	17.92	0.42	0.00	0.42	0.00	0.00	0.00	0	0	0	0	0	-0.03
681+00	32.08	0.06	0.00	1.95	0.00	0.00	0.00	0	0	1	0	2	-1.50
681+50	50.00	0.00	0.00	4.96	0.00	0.00	0.00	0	0	6	0	10	-9.44
682+00	50.00	0.00	0.00	7.48	0.00	0.00	0.00	0	0	12	0	24	-23.84
682+50	50.00	0.00	0.00	13.87	0.00	0.00	0.00	0	0	20	0	49	-48.55
683+00	50.00	0.00	0.00	15.03	0.00	0.00	0.00	0	0	27	0	82	-81.99
683+50	50.00	0.00	0.00	15.66	0.00	0.00	0.00	0	0	28	0	118	-117.51
684+00	50.00	0.00	0.00	18.95	0.00	0.00	0.00	0	0	32	0	158	-157.56
684+18	18.23	0.00	0.00	20.86	0.00	0.00	0.00	0	0	13	0	175	-174.36
684+50	31.77	0.00	0.00	18.71	0.00	0.00	0.00	0	0	23	0	204	-203.46
685+00	50.00	0.00	0.00	16.87	0.00	0.00	0.00	0	0	33	0	245	-244.63
685+50	50.00	0.00	0.00	18.35	0.00	0.00	0.00	0	0	33	0	286	-285.40
686+00	50.00	0.00	0.00	14.58	0.00	0.00	0.00	0	0	30	0	324	-323.52
686+50	50.00	0.00	0.00	20.54	0.00	0.00	0.00	0	0	33	0	365	-364.17
687+00	50.00	0.00	0.00	25.97	0.00	0.00	0.00	0	0	43	0	418	-418.00
687+25	25.25	0.00	0.00	22.72	0.00	0.00	0.00	0	0	23	0	447	-446.47
687+50	24.75	0.00	0.00	8.14	0.00	0.00	0.00	0	0	14	0	465	-464.15
688+00	50.00	0.00	0.00	5.27	0.00	0.00	0.00	0	0	12	0	480	-479.68
688+26	25.89	0.00	0.00	3.74	0.00	0.00	0.00	0	0	4	0	486	-485.08
								0	0	388			

SAUK NORTH SEC 3

STATION	Distance	AREA (SF) Cut	Salvaged/Unusable Pavement Material	Fill	Marsh Exc	Rock Exc	EBS	Incremental Vol (CY) (Unadjusted) Cut Note 1	Salvaged/Unusable Pavement Material Note 2	Fill Note 3	Cumulative Vol (CY) Cut 1.00 Note 1	Expanded Fill 1.25	Mass Ordinate Note 8
692+30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0	0	0	0	0	0.00
692+50	20.15	0.00	0.00	0.00	0.00	0.00	0.00	0.0	0	0	0	0	0.00
693+00	50.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0	0	0	0	0	0.00
693+50	50.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0	0	0	0	0	0.00
694+00	50.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0	0	0	0	0	0.00
694+14	13.95	0.36	0.00	0.00	0.00	0.00	0.00	0.1	0	0	0	0	0.09
694+50	36.05	0.04	0.00	0.00	0.00	0.00	0.00	0.3	0	0	0	0	0.36
695+00	50.00	0.01	0.00	0.00	0.00	0.00	0.00	0.1	0	0	0	0	0.41
695+50	50.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0	0	0	0	0	0.42
695+92	42.00	0.15	0.00	0.00	0.00	0.00	0.00	0.1	0	0	1	0	0.54
696+00	8.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0	0	0	1	0	0.56
696+13	13.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0	0	0	1	0	0.56
								1	0	0			

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PROJECT NO: 1016-02-60 | **HWY:** IH 90/94 | **COUNTY:** SAUK | **EARTHWORK SUMMARY** | **SHEET NO:** E

FILE NAME : _____ PLOT DATE : _____ PLOT BY : _____ PLOT NAME : _____ ORG DATE : _____ ORIGINATOR : DIST _ PLOT SCALE : 1:1

SAUK NORTH SEC 4

STATION	Distance	AREA (SF) Cut	Salvaged/Unusable Pavement Material	Fill	Marsh Exc	Rock Exc	EBS	Incremental Vol (CY) (Unadjusted) Cut Note 1	Salvaged/Unusable Pavement Material Note 2	Fill Note 3	Cumulative Vol (CY) Cut 1.00 Note 1	Expanded Fill 1.25	Mass Ordinate Note 8
701+32	0.00	0.14	0.00	0.00	0.00	0.00	0.00	0.0	0	0	0	0	0.00
701+50	18.00	0.30	0.00	0.00	0.00	0.00	0.00	0.1	0	0	0	0	0.15
702+00	50.00	0.92	0.00	0.00	0.00	0.00	0.00	1.1	0	0	1	0	1.27
702+50	50.00	0.00	0.00	0.00	0.00	0.00	0.00	0.8	0	0	2	0	2.12
711+50	900.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0	0	0	2	0	2.12
712+00	50.00	0.53	0.00	0.00	0.00	0.00	0.00	0.5	0	0	3	0	2.61
712+50	50.00	0.05	0.00	0.00	0.00	0.00	0.00	0.5	0	0	3	0	3.15
713+00	50.00	0.00	0.00	0.00	0.00	0.00	0.00	0.1	0	0	3	0	3.20
713+50	50.00	1.19	0.00	0.00	0.00	0.00	0.00	1.1	0	0	4	0	4.31
714+00	50.00	0.14	0.00	0.00	0.00	0.00	0.00	1.2	0	0	6	0	5.54
714+50	50.00	0.07	0.00	0.00	0.00	0.00	0.00	0.2	0	0	6	0	5.74
714+53	2.75	0.00	0.00	0.00	0.00	0.00	0.00	0.0	0	0	6	0	5.74
714+78	24.79	0.00	0.00	0.00	0.00	0.00	0.00	0.0	0	0	6	0	5.75
714+90	12.46	0.06	0.00	0.00	0.00	0.00	0.00	0.0	0	0	6	0	5.76
715+00	10.00	0.05	0.00	0.00	0.00	0.00	0.00	0.0	0	0	6	0	5.78
715+07	7.00	0.04	0.00	0.00	0.00	0.00	0.00	0.0	0	0	6	0	5.79
715+29	21.78	0.01	0.00	0.00	0.00	0.00	0.00	0.0	0	0	6	0	5.81
715+50	21.22	0.00	0.00	0.00	0.00	0.00	0.00	0.0	0	0	6	0	5.81
715+57	7.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0	0	0	6	0	5.81
715+95	38.04	0.00	0.00	0.47	0.00	0.00	0.00	0.0	0	0	6	0	5.40
716+00	4.96	0.00	0.00	0.00	0.00	0.00	0.00	0.0	0	0	6	0	5.34
716+27	26.68	0.00	0.00	0.20	0.00	0.00	0.00	0.0	0	0	6	1	5.22
716+50	23.32	0.00	0.00	0.90	0.00	0.00	0.00	0.0	0	0	6	1	4.62
716+68	18.44	0.05	0.00	0.17	0.00	0.00	0.00	0.0	0	0	6	2	4.18
717+00	31.56	0.00	0.00	0.00	0.00	0.00	0.00	0.0	0	0	6	2	4.09
717+50	50.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0	0	0	6	2	4.09
718+00	50.00	0.23	0.00	0.01	0.00	0.00	0.00	0.2	0	0	6	2	4.30
718+33	32.59	0.07	0.00	0.09	0.00	0.00	0.00	0.2	0	0	6	2	4.40
718+50	17.41	0.01	0.00	1.53	0.00	0.00	0.00	0.0	0	1	6	3	3.77
718+84	34.35	0.16	0.00	0.28	0.00	0.00	0.00	0.1	0	1	6	4	2.43
719+00	15.65	0.00	0.00	0.00	0.00	0.00	0.00	0.0	0	0	6	4	2.37
719+50	50.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0	0	0	6	4	2.37
719+70	20.28	2.82	0.00	0.00	0.00	0.00	0.00	1.1	0	0	7	4	3.43
720+00	29.72	1.37	0.00	0.00	0.00	0.00	0.00	2.3	0	0	10	4	5.73
720+50	50.00	0.00	0.00	3.06	0.00	0.00	0.00	1.3	0	3	11	8	3.46
721+00	50.00	0.43	0.00	0.00	0.00	0.00	0.00	0.4	0	3	11	11	0.33
721+50	50.00	0.00	0.00	0.26	0.00	0.00	0.00	0.4	0	0	12	11	0.42
722+00	50.00	0.63	0.00	0.19	0.00	0.00	0.00	0.6	0	0	12	12	0.48
722+50	50.00	0.37	0.00	0.01	0.00	0.00	0.00	0.9	0	0	13	12	1.16
723+00	50.00	0.00	0.00	4.19	0.00	0.00	0.00	0.3	0	4	14	17	-3.37
723+50	50.00	0.00	0.00	4.04	0.00	0.00	0.00	0.0	0	8	14	27	-12.90
724+00	50.00	0.00	0.00	7.73	0.00	0.00	0.00	0.0	0	11	14	40	-26.52
724+50	50.00	0.01	0.00	8.57	0.00	0.00	0.00	0.0	0	15	14	59	-45.37
725+00	50.00	0.00	0.00	5.41	0.00	0.00	0.00	0.0	0	13	14	75	-61.55
725+50	50.00	0.00	0.00	5.57	0.00	0.00	0.00	0.0	0	10	14	88	-74.25
726+00	50.00	0.00	0.00	8.04	0.00	0.00	0.00	0.0	0	13	14	104	-90.01
726+50	50.00	0.00	0.00	6.79	0.00	0.00	0.00	0.0	0	14	14	121	-107.17
727+00	50.00	0.00	0.00	1.15	0.00	0.00	0.00	0.0	0	7	14	130	-116.36

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PROJECT NO: 1016-02-60 | **HWY:** IH 90/94 | **COUNTY:** SAUK | **EARTHWORK SUMMARY** | **SHEET NO:** E

FILE NAME : _____ PLOT DATE : _____ PLOT BY : _____ PLOT NAME : _____ ORG DATE : _____ ORIGINATOR : DIST _ PLOT SCALE : 1:1

SAUK NORTH SEC 4 CONTINUED

STATION	Distance	AREA (SF) Cut	Salvaged/Unusable Pavement Material	Fill	Marsh Exc	Rock Exc	EBS	Incremental Vol (CY) (Unadjusted) Cut Note 1	Salvaged/Unusable Pavement Material Note 2	Fill Note 3	Cumulative Vol (CY) Cut 1.00 Note 1	Expanded Fill 1.25	Mass Ordinate Note 8
727+50	50.00	0.16	0.00	0.03	0.00	0.00	0.00	0.2	0	1	14	131	-117.57
728+00	50.00	0.50	0.00	0.00	0.00	0.00	0.00	0.6	0	0	14	131	-116.99
728+50	50.00	0.58	0.00	0.00	0.00	0.00	0.00	1.0	0	0	15	131	-115.99
729+00	50.00	0.05	0.00	0.14	0.00	0.00	0.00	0.6	0	0	16	132	-115.57
729+50	50.00	0.00	0.00	0.48	0.00	0.00	0.00	0.1	0	1	16	132	-116.22
730+00	50.00	0.00	0.00	7.20	0.00	0.00	0.00	0.0	0	7	16	141	-125.11
730+50	50.00	0.00	0.00	4.85	0.00	0.00	0.00	0.0	0	11	16	155	-139.06
731+00	50.00	0.75	0.00	0.51	0.00	0.00	0.00	0.7	0	5	17	161	-144.58
731+50	50.00	1.68	0.00	0.00	0.00	0.00	0.00	2.2	0	0	19	162	-142.92
732+00	50.00	0.11	0.00	0.39	0.00	0.00	0.00	1.7	0	0	21	162	-141.71
732+50	50.00	0.42	0.00	0.58	0.00	0.00	0.00	0.5	0	1	21	164	-142.34
733+00	50.00	0.13	0.00	0.19	0.00	0.00	0.00	0.5	0	1	22	164	-142.72
733+50	50.00	0.00	0.00	5.19	0.00	0.00	0.00	0.1	0	5	22	171	-148.83
734+00	50.00	0.00	0.00	9.14	0.00	0.00	0.00	0.0	0	13	22	187	-165.41
734+50	50.00	0.00	0.00	7.02	0.00	0.00	0.00	0.0	0	15	22	206	-184.12
734+91	40.58	0.27	0.00	1.68	0.00	0.00	0.00	0.2	0	7	22	214	-192.08
735+00	9.42	0.00	0.00	0.00	0.00	0.00	0.00	0.0	0	0	22	215	-192.40
735+28	28.00	0.75	0.00	0.05	0.00	0.00	0.00	0.4	0	0	23	215	-192.05
735+50	22.00	0.01	0.00	2.82	0.00	0.00	0.00	0.3	0	1	23	216	-193.20
736+00	50.00	0.01	0.00	6.84	0.00	0.00	0.00	0.0	0	9	23	227	-204.37
736+50	50.00	0.00	0.00	7.88	0.00	0.00	0.00	0.0	0	14	23	244	-221.40
737+00	50.00	0.00	0.00	6.10	0.00	0.00	0.00	0.0	0	13	23	260	-237.58
737+50	50.00	0.00	0.00	3.23	0.00	0.00	0.00	0.0	0	9	23	271	-248.38
738+00	50.00	0.00	0.00	2.25	0.00	0.00	0.00	0.0	0	5	23	278	-254.71
738+50	50.00	0.00	0.00	2.21	0.00	0.00	0.00	0.0	0	4	23	283	-259.87
739+00	50.00	0.00	0.00	3.95	0.00	0.00	0.00	0.0	0	6	23	290	-267.00
739+50	50.00	0.00	0.00	3.03	0.00	0.00	0.00	0.0	0	6	23	298	-275.07
740+00	50.00	0.09	0.00	0.86	0.00	0.00	0.00	0.1	0	4	23	302	-279.48
740+50	50.00	0.00	0.00	0.54	0.00	0.00	0.00	0.1	0	1	23	304	-281.01
740+55	5.05	0.00	0.00	0.42	0.00	0.00	0.00	0.0	0	0	23	304	-281.12
741+00	44.95	0.00	0.00	0.00	0.00	0.00	0.00	0.0	0	0	23	305	-281.56
								23	0	244			

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PROJECT NO: 1016-02-60	HWY: IH 90/94	COUNTY: SAUK	EARTHWORK SUMMARY	SHEET NO:	E

FILE NAME : _____ PLOT DATE : _____ PLOT BY : _____ PLOT NAME : _____ ORG DATE : _____ ORIGINATOR : DIST _ PLOT SCALE : 1:1

SAUK NORTH SEC 5

STATION	Distance	AREA (SF) Cut	Salvaged/Unusable Pavement Material	Fill	Marsh Exc	Rock Exc	EBS	Incremental Vol (CY) (Unadjusted) Cut Note 1	Salvaged/Unusable Pavement Material Note 2	Fill Note 3	Cumulative Vol (CY) Cut 1.00 Note 1	Expanded Fill 1.25	Mass Ordinate Note 8
745+60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0	0	0	0	0	0.00
746+00	40.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0	0	0	0	0	0.00
746+50	50.00	0.22	0.00	0.01	0.00	0.00	0.00	0.2	0	0	0	0	0.19
747+00	50.00	0.14	0.00	4.70	0.00	0.00	0.00	0.3	0	4	1	5	-4.93
747+50	50.00	0.15	0.00	2.85	0.00	0.00	0.00	0.3	0	7	1	14	-13.40
748+00	50.00	0.04	0.00	2.29	0.00	0.00	0.00	0.2	0	5	1	20	-19.17
748+50	50.00	0.02	0.00	3.33	0.00	0.00	0.00	0.1	0	5	1	27	-25.62
749+00	50.00	0.00	0.00	5.65	0.00	0.00	0.00	0.0	0	8	1	37	-36.00
749+50	50.00	0.00	0.00	8.50	0.00	0.00	0.00	0.0	0	13	1	53	-52.37
750+00	50.00	0.00	0.00	7.54	0.00	0.00	0.00	0.0	0	15	1	72	-70.92
750+50	50.00	0.00	0.00	6.26	0.00	0.00	0.00	0.0	0	13	1	88	-86.89
751+00	50.00	0.00	0.00	12.49	0.00	0.00	0.00	0.0	0	17	1	110	-108.58
751+50	50.00	0.00	0.00	11.44	0.00	0.00	0.00	0.0	0	22	1	137	-136.27
752+00	50.00	0.00	0.00	10.80	0.00	0.00	0.00	0.0	0	21	1	163	-162.00
752+50	50.00	0.00	0.00	8.85	0.00	0.00	0.00	0.0	0	18	1	186	-184.74
753+00	50.00	0.00	0.00	7.61	0.00	0.00	0.00	0.0	0	15	1	205	-203.80
753+50	50.00	0.00	0.00	7.52	0.00	0.00	0.00	0.0	0	14	1	222	-221.31
754+00	50.00	0.00	0.00	8.60	0.00	0.00	0.00	0.0	0	15	1	241	-239.96
754+50	50.00	0.00	0.00	10.96	0.00	0.00	0.00	0.0	0	18	1	264	-262.60
755+00	50.00	0.00	0.00	14.14	0.00	0.00	0.00	0.0	0	23	1	293	-291.65
755+50	50.00	0.00	0.00	17.81	0.00	0.00	0.00	0.0	0	30	1	330	-328.63
756+00	50.00	0.00	0.00	17.94	0.00	0.00	0.00	0.0	0	33	1	371	-370.02
756+50	50.00	0.00	0.00	17.48	0.00	0.00	0.00	0.0	0	33	1	412	-411.01
757+00	50.00	0.00	0.00	10.01	0.00	0.00	0.00	0.0	0	25	1	444	-442.83
757+50	50.00	0.00	0.00	13.59	0.00	0.00	0.00	0.0	0	22	1	471	-470.15
758+00	50.00	0.00	0.00	14.12	0.00	0.00	0.00	0.0	0	26	1	503	-502.21
758+50	50.00	0.00	0.00	10.32	0.00	0.00	0.00	0.0	0	23	1	532	-530.50
759+00	50.00	0.00	0.00	7.50	0.00	0.00	0.00	0.0	0	17	1	552	-551.13
759+50	50.00	0.08	0.00	8.75	0.00	0.00	0.00	0.1	0	15	1	571	-569.86
760+00	50.00	0.09	0.00	17.57	0.00	0.00	0.00	0.2	0	24	1	601	-600.16
760+50	50.00	0.00	0.00	17.64	0.00	0.00	0.00	0.1	0	33	1	642	-640.83
761+00	50.00	0.00	0.00	21.09	0.00	0.00	0.00	0.0	0	36	1	687	-685.65
761+50	50.00	0.00	0.00	23.07	0.00	0.00	0.00	0.0	0	41	1	738	-736.76
762+00	50.00	0.00	0.00	22.62	0.00	0.00	0.00	0.0	0	42	1	791	-789.64
762+50	50.00	0.00	0.00	24.10	0.00	0.00	0.00	0.0	0	43	1	845	-843.70
763+00	50.00	0.00	0.00	26.44	0.00	0.00	0.00	0.0	0	47	1	904	-902.19
763+05	4.83	0.04	0.00	31.16	0.00	0.00	0.00	0.0	0	5	1	910	-908.62
763+50	45.17	0.01	0.00	43.57	0.00	0.00	0.00	0.0	0	63	1	988	-986.72
764+00	50.00	0.03	0.00	59.55	0.00	0.00	0.00	0.0	0	95	1	1,107	-1,106.03
764+50	50.00	0.09	0.00	84.75	0.00	0.00	0.00	0.1	0	134	2	1,275	-1,272.95
765+00	50.00	0.13	0.00	113.33	0.00	0.00	0.00	0.2	0	183	2	1,504	-1,502.02
765+50	50.00	0.11	0.00	152.75	0.00	0.00	0.00	0.2	0	246	2	1,812	-1,809.76
766+00	50.00	0.22	0.00	175.77	0.00	0.00	0.00	0.3	0	304	2	2,192	-2,189.69
766+50	50.00	0.12	0.00	182.73	0.00	0.00	0.00	0.3	0	332	3	2,607	-2,604.31
767+00	50.00	0.00	0.00	183.10	0.00	0.00	0.00	0.1	0	339	3	3,030	-3,027.62
767+50	50.00	0.00	0.00	196.91	0.00	0.00	0.00	0.0	0	352	3	3,470	-3,467.44
768+00	50.00	0.00	0.00	220.82	0.00	0.00	0.00	0.0	0	387	3	3,954	-3,950.92
768+50	50.00	0.18	0.00	231.03	0.00	0.00	0.00	0.2	0	418	3	4,477	-4,473.73

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PROJECT NO: 1016-02-60 | **HWY:** IH 90/94 | **COUNTY:** SAUK | **EARTHWORK SUMMARY** | **SHEET NO:** E

FILE NAME : _____ PLOT DATE : _____ PLOT BY : _____ PLOT NAME : _____ ORG DATE : _____ ORIGINATOR : DIST _ PLOT SCALE : 1:1

SAUK NORTH SEC 5 CONTINUED

STATION	Distance	AREA (SF) Cut	Salvaged/Unusable Pavement Material	Fill	Marsh Exc	Rock Exc	EBS	Incremental Vol (CY) (Unadjusted) Cut Note 1	Salvaged/Unusable Pavement Material Note 2	Fill Note 3	Cumulative Vol (CY) Cut 1.00 Note 1	Expanded Fill 1.25	Mass Ordinate Note 8
769+00	50.00	0.26	0.00	219.17	0.00	0.00	0.00	0.4	0	417	3	4,998	-4,994.39
769+50	50.00	0.00	0.00	197.80	0.00	0.00	0.00	0.2	0	386	4	5,480	-5,476.76
769+66	15.65	0.00	0.00	221.09	0.00	0.00	0.00	0.0	0	121	4	5,632	-5,628.48
770+00	34.35	0.33	0.00	171.90	0.00	0.00	0.00	0.2	0	250	4	5,945	-5,940.77
770+50	50.00	0.00	0.00	172.89	0.00	0.00	0.00	0.3	0	319	4	6,344	-6,339.52
771+00	50.00	0.20	0.00	175.43	0.00	0.00	0.00	0.2	0	323	4	6,747	-6,742.49
771+50	50.00	0.42	0.00	178.15	0.00	0.00	0.00	0.6	0	327	5	7,156	-7,151.16
772+00	50.00	0.04	0.00	167.80	0.00	0.00	0.00	0.4	0	320	5	7,556	-7,551.15
772+50	50.00	0.18	0.00	148.45	0.00	0.00	0.00	0.2	0	293	5	7,922	-7,916.97
773+00	50.00	0.58	0.00	110.32	0.00	0.00	0.00	0.7	0	240	6	8,222	-8,215.77
773+50	50.00	0.88	0.00	75.07	0.00	0.00	0.00	1.3	0	172	7	8,436	-8,428.99
774+00	50.00	1.01	0.00	66.57	0.00	0.00	0.00	1.7	0	131	9	8,600	-8,591.18
774+50	50.00	1.71	0.00	64.63	0.00	0.00	0.00	2.5	0	121	12	8,752	-8,740.52
775+00	50.00	1.66	0.00	55.70	0.00	0.00	0.00	3.1	0	111	15	8,892	-8,876.68
775+50	50.00	1.66	0.00	42.03	0.00	0.00	0.00	3.1	0	90	18	9,005	-8,986.71
776+00	50.00	1.50	0.00	31.65	0.00	0.00	0.00	2.9	0	68	21	9,090	-9,069.06
776+50	50.00	2.31	0.00	19.86	0.00	0.00	0.00	3.5	0	48	24	9,150	-9,125.15
777+00	50.00	3.20	0.00	10.72	0.00	0.00	0.00	5.1	0	28	29	9,185	-9,155.44
777+50	50.00	1.25	0.00	8.15	0.00	0.00	0.00	4.1	0	17	34	9,207	-9,173.15
778+00	50.00	0.00	0.00	7.83	0.00	0.00	0.00	1.2	0	15	35	9,225	-9,190.50
778+25	25.00	0.07	0.00	2.17	0.00	0.00	0.00	0.0	0	5	35	9,231	-9,196.25
								35	0	7,385			

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SAUK CENTRAL SEC 1

STATION	Distance	AREA (SF) Cut	Salvaged/Unusable Pavement Material	Fill	Marsh Exc	Rock Exc	EBS	Incremental Vol (CY) (Unadjusted) Cut Note 1	Salvaged/Unusable Pavement Material Note 2	Fill Note 3	Cumulative Vol (CY) Cut 1.00 Note 1	Expanded Fill 1.25	Mass Ordinate Note 8
818+09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0	0	0	0	0	0.00
818+50	41.00	0.60	0.00	0.09	0.00	0.00	0.00	0.5	0	0	0	0	0.38
819+00	50.00	0.09	0.00	0.34	0.00	0.00	0.00	0.6	0	0	1	1	0.52
819+06	5.94	0.23	0.00	0.13	0.00	0.00	0.00	0.0	0	0	1	1	0.49
819+50	44.06	0.00	0.00	0.00	0.00	0.00	0.00	0.2	0	0	1	1	0.54
821+00	150.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0	0	0	1	1	0.54
821+08	8.41	0.46	0.00	0.00	0.00	0.00	0.00	0.1	0	0	1	1	0.61
821+50	41.59	0.00	0.00	0.72	0.00	0.00	0.00	0.4	0	1	2	1	0.27
822+00	50.00	0.00	0.00	0.86	0.00	0.00	0.00	0.0	0	1	2	3	-1.56
822+50	50.00	0.00	0.00	0.89	0.00	0.00	0.00	0.0	0	2	2	5	-3.59
823+00	50.00	0.00	0.00	0.67	0.00	0.00	0.00	0.0	0	1	2	7	-5.39
823+20	20.06	0.05	0.00	0.06	0.00	0.00	0.00	0.0	0	0	2	7	-5.71
823+50	29.94	0.00	0.00	0.00	0.00	0.00	0.00	0.0	0	0	2	8	-5.73
824+00	50.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0	0	0	2	8	-5.73
824+05	5.38	0.79	0.00	0.04	0.00	0.00	0.00	0.1	0	0	2	8	-5.65
824+50	44.62	1.02	0.00	1.68	0.00	0.00	0.00	1.5	0	1	3	9	-5.94
825+00	50.00	0.42	0.00	8.55	0.00	0.00	0.00	1.3	0	9	5	21	-16.46
825+50	50.00	0.49	0.00	7.67	0.00	0.00	0.00	0.8	0	15	6	40	-34.38
826+00	50.00	1.01	0.00	7.80	0.00	0.00	0.00	1.4	0	14	7	58	-50.89
826+50	50.00	0.86	0.00	6.76	0.00	0.00	0.00	1.7	0	13	9	75	-66.00
827+00	50.00	0.76	0.00	3.32	0.00	0.00	0.00	1.5	0	9	10	86	-76.16
827+50	50.00	1.43	0.00	0.66	0.00	0.00	0.00	2.0	0	4	12	91	-78.73
828+00	50.00	1.38	0.00	2.49	0.00	0.00	0.00	2.6	0	3	15	95	-79.78
828+49	49.18	1.23	0.00	2.17	0.00	0.00	0.00	2.4	0	4	17	100	-82.71
828+50	0.82	1.23	0.00	2.21	0.00	0.00	0.00	0.0	0	0	17	100	-82.75
829+00	50.00	0.64	0.00	3.15	0.00	0.00	0.00	1.7	0	5	19	106	-87.22
829+50	50.00	0.30	0.00	2.31	0.00	0.00	0.00	0.9	0	5	20	112	-92.67
830+00	50.00	0.00	0.00	5.62	0.00	0.00	0.00	0.3	0	7	20	122	-101.58
830+50	50.00	0.01	0.00	4.02	0.00	0.00	0.00	0.0	0	9	20	133	-112.73
831+00	50.00	0.00	0.00	5.27	0.00	0.00	0.00	0.0	0	9	20	144	-123.47
831+07	7.00	0.00	0.00	5.14	0.00	0.00	0.00	0.0	0	1	20	145	-125.16
831+28	20.85	0.00	0.00	1.58	0.00	0.00	0.00	0.0	0	3	20	149	-128.40
								20	0	119			

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PROJECT NO: 1016-02-60 | **HWY:** IH 90/94 | **COUNTY:** SAUK | **EARTHWORK SUMMARY** | **SHEET NO:** 151 | E

FILE NAME : _____ PLOT DATE : _____ PLOT BY : _____ PLOT NAME : _____ ORG DATE : _____ ORIGINATOR : DIST _ PLOT SCALE : 1:1

SAUK CENTRAL SEC 2

STATION	Distance	AREA (SF) Cut	Salvaged/Unusable Pavement Material	Fill	Marsh Exc	Rock Exc	EBS	Incremental Vol (CY) (Unadjusted) Cut Note 1	Salvaged/Unusable Pavement Material Note 2	Fill Note 3	Cumulative Vol (CY) Cut 1.00 Note 1	Expanded Fill 1.25	Mass Ordinate Note 8
835+55	0.00	0.00	0.00	19.95	0.00	0.00	0.00	0.0	0	0	0	0	0.00
836+00	44.98	0.00	0.00	17.52	0.00	0.00	0.00	0.0	0	31	0	39	-39.02
836+50	50.00	0.00	0.00	17.75	0.00	0.00	0.00	0.0	0	33	0	80	-79.83
837+00	50.00	0.00	0.00	15.54	0.00	0.00	0.00	0.0	0	31	0	118	-118.35
837+50	50.00	0.00	0.00	14.64	0.00	0.00	0.00	0.0	0	28	0	153	-153.28
838+00	50.00	0.00	0.00	9.57	0.00	0.00	0.00	0.0	0	22	0	181	-181.32
838+50	50.00	0.00	0.00	6.17	0.00	0.00	0.00	0.0	0	15	0	200	-199.54
839+00	50.00	0.00	0.00	5.36	0.00	0.00	0.00	0.0	0	11	0	213	-212.88
839+50	50.00	0.01	0.00	4.72	0.00	0.00	0.00	0.0	0	9	0	225	-224.53
840+00	50.00	0.00	0.00	5.41	0.00	0.00	0.00	0.0	0	9	0	236	-236.25
840+50	50.00	0.00	0.00	7.31	0.00	0.00	0.00	0.0	0	12	0	251	-250.98
841+00	50.00	0.00	0.00	7.07	0.00	0.00	0.00	0.0	0	13	0	268	-267.63
841+50	50.00	0.00	0.00	9.25	0.00	0.00	0.00	0.0	0	15	0	287	-286.52
842+00	50.00	0.00	0.00	9.63	0.00	0.00	0.00	0.0	0	17	0	308	-308.36
842+50	50.00	0.00	0.00	7.12	0.00	0.00	0.00	0.0	0	16	0	328	-327.75
843+00	50.00	0.00	0.00	4.93	0.00	0.00	0.00	0.0	0	11	0	342	-341.70
843+50	50.00	0.20	0.00	5.18	0.00	0.00	0.00	0.2	0	9	0	353	-353.21
844+00	50.00	0.00	0.00	7.92	0.00	0.00	0.00	0.2	0	12	0	369	-368.19
844+50	50.00	0.00	0.00	8.51	0.00	0.00	0.00	0.0	0	15	0	388	-387.20
845+00	50.00	0.34	0.00	4.62	0.00	0.00	0.00	0.3	0	12	1	403	-402.08
845+50	50.00	0.00	0.00	2.08	0.00	0.00	0.00	0.3	0	6	1	411	-409.52
846+00	50.00	0.01	0.00	0.97	0.00	0.00	0.00	0.0	0	3	1	414	-413.03
846+50	50.00	0.01	0.00	0.41	0.00	0.00	0.00	0.0	0	1	1	416	-414.61
847+00	50.00	0.00	0.00	0.87	0.00	0.00	0.00	0.0	0	1	1	417	-416.08
847+12	12.28	0.00	0.00	0.31	0.00	0.00	0.00	0.0	0	0	1	417	-416.41
847+50	37.72	0.00	0.00	0.00	0.00	0.00	0.00	0.0	0	0	1	418	-416.68
850+00	250.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0	0	0	1	418	-416.68
850+02	2.44	0.00	0.00	0.02	0.00	0.00	0.00	0.0	0	0	1	418	-416.68
850+50	47.56	0.00	0.00	0.73	0.00	0.00	0.00	0.0	0	1	1	419	-417.51
850+82	31.69	0.00	0.00	0.13	0.00	0.00	0.00	0.0	0	1	1	419	-418.15
851+00	18.31	0.00	0.00	0.00	0.00	0.00	0.00	0.0	0	0	1	419	-418.20
855+50	450.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0	0	0	1	419	-418.20
855+62	12.00	0.13	0.00	0.16	0.00	0.00	0.00	0.0	0	0	1	419	-418.22
856+00	38.00	0.00	0.00	0.95	0.00	0.00	0.00	0.1	0	1	1	420	-419.10
856+25	25.00	0.00	0.00	0.91	0.00	0.00	0.00	0.0	0	1	1	421	-420.17
								1	0	337			

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PROJECT NO: 1016-02-60 | **HWY:** IH 90/94 | **COUNTY:** SAUK | **EARTHWORK SUMMARY** | **SHEET NO:** 152 | E

FILE NAME : _____ PLOT DATE : _____ PLOT BY : _____ PLOT NAME : _____ ORG DATE : _____ ORIGINATOR : DIST _ PLOT SCALE : 1:1

SAUK CENTRAL SEC 3

STATION	Distance	AREA (SF) Cut	Salvaged/Unusable Pavement Material	Fill	Marsh Exc	Rock Exc	EBS	Incremental Vol (CY) (Unadjusted) Cut Note 1	Salvaged/Unusable Pavement Material Note 2	Fill Note 3	Cumulative Vol (CY) Cut 1.00 Note 1	Expanded Fill 1.25	Mass Ordinate Note 8
856+26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0	0	0	0	0	0.00
856+48	21.59	0.14	0.00	0.59	0.00	0.00	0.00	0.1	0	0	0	0	-0.24
856+50	2.41	0.14	0.00	1.59	0.00	0.00	0.00	0.0	0	0	0	0	-0.34
857+00	50.00	0.00	0.00	2.06	0.00	0.00	0.00	0.1	0	3	0	5	-4.43
857+09	8.51	0.10	0.00	0.43	0.00	0.00	0.00	0.0	0	0	0	5	-4.90
857+50	41.49	0.00	0.00	0.00	0.00	0.00	0.00	0.1	0	0	0	6	-5.24
858+00	50.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0	0	0	0	6	-5.24
858+22	21.66	0.02	0.00	0.11	0.00	0.00	0.00	0.0	0	0	0	6	-5.29
858+50	28.34	0.00	0.00	0.52	0.00	0.00	0.00	0.0	0	0	0	6	-5.70
859+00	50.00	0.00	0.00	0.84	0.00	0.00	0.00	0.0	0	1	0	8	-7.27
859+50	50.00	0.00	0.00	1.66	0.00	0.00	0.00	0.0	0	2	0	10	-10.17
860+00	50.00	0.00	0.00	3.73	0.00	0.00	0.00	0.0	0	5	0	17	-16.41
860+50	50.00	0.00	0.00	4.09	0.00	0.00	0.00	0.0	0	7	0	26	-25.47
861+00	50.00	0.00	0.00	5.63	0.00	0.00	0.00	0.0	0	9	0	37	-36.72
861+50	50.00	0.00	0.00	7.60	0.00	0.00	0.00	0.0	0	12	0	52	-52.03
862+00	50.00	0.00	0.00	8.24	0.00	0.00	0.00	0.0	0	15	0	71	-70.36
862+50	50.00	0.00	0.00	8.83	0.00	0.00	0.00	0.0	0	16	0	90	-90.12
863+00	50.00	0.00	0.00	7.96	0.00	0.00	0.00	0.0	0	16	0	110	-109.56
863+50	50.00	0.00	0.00	11.89	0.00	0.00	0.00	0.0	0	18	0	133	-132.53
863+61	11.28	0.00	0.00	11.81	0.00	0.00	0.00	0.0	0	5	0	139	-138.72
864+00	38.72	0.00	0.00	8.19	0.00	0.00	0.00	0.0	0	14	0	157	-156.65
864+50	50.00	0.00	0.00	10.38	0.00	0.00	0.00	0.0	0	17	0	178	-178.15
865+00	50.00	0.00	0.00	11.62	0.00	0.00	0.00	0.0	0	20	0	204	-203.61
865+50	50.00	0.00	0.00	8.88	0.00	0.00	0.00	0.0	0	19	0	228	-227.34
866+00	50.00	0.00	0.00	7.82	0.00	0.00	0.00	0.0	0	15	0	247	-246.67
866+50	50.00	0.00	0.00	7.31	0.00	0.00	0.00	0.0	0	14	0	265	-264.19
867+00	50.00	0.00	0.00	7.35	0.00	0.00	0.00	0.0	0	14	0	281	-281.16
867+50	50.00	0.00	0.00	7.26	0.00	0.00	0.00	0.0	0	14	0	298	-298.07
868+00	50.00	0.16	0.00	8.91	0.00	0.00	0.00	0.1	0	15	0	317	-316.63
868+50	50.00	0.00	0.00	11.82	0.00	0.00	0.00	0.1	0	19	1	341	-340.47
869+00	50.00	0.00	0.00	8.69	0.00	0.00	0.00	0.0	0	19	1	365	-364.21
869+36	36.00	0.17	0.00	8.79	0.00	0.00	0.00	0.1	0	12	1	379	-378.66
869+50	14.00	0.25	0.00	6.14	0.00	0.00	0.00	0.1	0	4	1	384	-383.39
869+55	4.65	0.12	0.00	0.00	0.00	0.00	0.00	0.0	0	1	1	385	-384.02
								1	0	308			

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SAUK CENTRAL SEC 4

STATION	Distance	AREA (SF) Cut	Salvaged/Unusable Pavement Material	Fill	Marsh Exc	Rock Exc	EBS	Incremental Vol (CY) (Unadjusted) Cut Note 1	Salvaged/Unusable Pavement Material Note 2	Fill Note 3	Cumulative Vol (CY) Cut 1.00 Note 1	Expanded Fill 1.25	Mass Ordinate Note 8
878+22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0	0	0	0	0	0.00
879+00	78.37	0.00	0.00	0.00	0.00	0.00	0.00	0.0	0	0	0	0	0.00
879+16	16.19	0.00	0.00	0.00	0.00	0.00	0.00	0.0	0	0	0	0	0.00
880+00	83.81	0.00	0.00	0.00	0.00	0.00	0.00	0.0	0	0	0	0	0.00
881+00	100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0	0	0	0	0	0.00
882+00	100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0	0	0	0	0	0.00
883+00	100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0	0	0	0	0	0.00
884+00	100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0	0	0	0	0	0.00
885+00	100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0	0	0	0	0	0.00
885+12	12.48	0.00	0.00	0.00	0.00	0.00	0.00	0.0	0	0	0	0	0.00
885+25	12.97	0.01	0.00	0.00	0.00	0.00	0.00	0.0	0	0	0	0	0.00
886+00	74.55	0.00	0.00	0.00	0.00	0.00	0.00	0.0	0	0	0	0	0.02
887+00	100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0	0	0	0	0	0.02
888+00	100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0	0	0	0	0	0.02
889+00	100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0	0	0	0	0	0.02
889+48	47.61	0.20	0.00	0.00	0.00	0.00	0.00	0.2	0	0	0	0	0.19
889+50	2.39	0.19	0.00	0.00	0.00	0.00	0.00	0.0	0	0	0	0	0.21
890+00	50.00	0.46	0.00	0.00	0.00	0.00	0.00	0.6	0	0	1	0	0.81
890+22	21.63	0.41	0.00	0.00	0.00	0.00	0.00	0.3	0	0	1	0	1.16
								1	0	0			

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PROJECT NO: 1016-02-60	HWY: IH 90/94	COUNTY: SAUK	EARTHWORK SUMMARY	SHEET NO: 154	E

FILE NAME : _____ PLOT DATE : _____ PLOT BY : _____ PLOT NAME : _____ ORG DATE : _____ ORIGINATOR : DIST _ PLOT SCALE : 1:1

SAUK SOUTH SEC 1

STATION	Distance	AREA (SF) Cut	Salvaged/Unusable Pavement Material	Fill	Marsh Exc	Rock Exc	EBS	Incremental Vol (CY) (Unadjusted) Cut Note 1	Salvaged/Unusable Pavement Material Note 2	Fill Note 3	Cumulative Vol (CY) Cut 1.00 Note 1	Expanded Fill 1.25	Mass Ordinate Note 8
903+20	0.00	6.05	0.00	12.56	0.00	0.00	0.00	0.0	0	0	0	0	0.00
903+50	30.00	2.31	0.00	39.46	0.00	0.00	0.00	4.6	0	29	5	36	-31.47
903+90	40.00	0.00	0.00	93.63	0.00	0.00	0.00	1.7	0	99	6	159	-152.99
904+00	10.00	0.00	0.00	92.69	0.00	0.00	0.00	0.0	0	35	6	202	-196.11
904+50	50.00	0.00	0.00	74.53	0.00	0.00	0.00	0.0	0	155	6	396	-389.65
905+00	50.00	0.00	0.00	75.83	0.00	0.00	0.00	0.0	0	139	6	570	-563.69
905+50	50.00	0.00	0.00	62.92	0.00	0.00	0.00	0.0	0	128	6	731	-724.27
906+00	50.00	0.02	0.00	67.23	0.00	0.00	0.00	0.0	0	121	6	881	-874.88
906+50	50.00	0.00	0.00	79.28	0.00	0.00	0.00	0.0	0	136	6	1,051	-1,044.43
907+00	50.00	0.00	0.00	55.72	0.00	0.00	0.00	0.0	0	125	6	1,207	-1,200.67
907+06	6.00	0.00	0.00	53.17	0.00	0.00	0.00	0.0	0	12	6	1,222	-1,215.80
907+50	44.00	0.00	0.00	47.45	0.00	0.00	0.00	0.0	0	82	6	1,325	-1,318.27
908+00	50.00	0.00	0.00	41.18	0.00	0.00	0.00	0.0	0	82	6	1,427	-1,420.85
908+50	50.00	0.00	0.00	37.94	0.00	0.00	0.00	0.0	0	73	6	1,519	-1,512.43
909+00	50.00	0.00	0.00	32.13	0.00	0.00	0.00	0.0	0	65	6	1,600	-1,593.53
909+50	50.00	0.00	0.00	30.21	0.00	0.00	0.00	0.0	0	58	6	1,672	-1,665.69
910+00	50.00	0.30	0.00	30.29	0.00	0.00	0.00	0.3	0	56	7	1,742	-1,735.43
910+50	50.00	0.00	0.00	33.75	0.00	0.00	0.00	0.3	0	59	7	1,816	-1,809.27
911+00	50.00	0.00	0.00	33.35	0.00	0.00	0.00	0.0	0	62	7	1,894	-1,886.92
911+50	50.00	0.00	0.00	34.30	0.00	0.00	0.00	0.0	0	63	7	1,972	-1,965.22
912+00	50.00	0.00	0.00	38.00	0.00	0.00	0.00	0.0	0	67	7	2,056	-2,048.89
912+50	50.00	0.00	0.00	30.15	0.00	0.00	0.00	0.0	0	63	7	2,135	-2,127.77
913+00	50.00	0.00	0.00	31.84	0.00	0.00	0.00	0.0	0	57	7	2,206	-2,199.52
913+50	50.00	0.00	0.00	26.60	0.00	0.00	0.00	0.0	0	54	7	2,274	-2,267.15
914+00	50.00	0.00	0.00	24.32	0.00	0.00	0.00	0.0	0	47	7	2,333	-2,326.08
914+50	50.00	0.00	0.00	24.83	0.00	0.00	0.00	0.0	0	46	7	2,390	-2,382.97
915+00	50.00	0.00	0.00	18.03	0.00	0.00	0.00	0.0	0	40	7	2,440	-2,432.57
915+50	50.00	0.00	0.00	20.40	0.00	0.00	0.00	0.0	0	36	7	2,484	-2,477.05
916+00	50.00	0.00	0.00	17.81	0.00	0.00	0.00	0.0	0	35	7	2,528	-2,521.28
916+50	50.00	0.00	0.00	13.19	0.00	0.00	0.00	0.0	0	29	7	2,564	-2,557.15
917+00	50.00	0.00	0.00	11.99	0.00	0.00	0.00	0.0	0	23	7	2,593	-2,586.30
917+50	50.00	0.00	0.00	6.13	0.00	0.00	0.00	0.0	0	17	7	2,614	-2,607.26
917+59	9.20	0.00	0.00	6.42	0.00	0.00	0.00	0.0	0	2	7	2,617	-2,609.93
918+00	40.80	0.00	0.00	4.32	0.00	0.00	0.00	0.0	0	8	7	2,627	-2,620.08
918+50	50.00	0.00	0.00	7.57	0.00	0.00	0.00	0.0	0	11	7	2,641	-2,633.85
919+00	50.00	0.00	0.00	10.81	0.00	0.00	0.00	0.0	0	17	7	2,662	-2,655.12
919+50	50.00	0.00	0.00	9.69	0.00	0.00	0.00	0.0	0	19	7	2,686	-2,678.84
920+00	50.00	0.10	0.00	11.35	0.00	0.00	0.00	0.1	0	19	7	2,710	-2,703.09
920+50	50.00	0.00	0.00	9.42	0.00	0.00	0.00	0.1	0	19	7	2,734	-2,727.04
921+00	50.00	0.00	0.00	9.33	0.00	0.00	0.00	0.0	0	17	7	2,756	-2,748.74
921+50	50.00	0.00	0.00	11.58	0.00	0.00	0.00	0.0	0	19	7	2,780	-2,772.94
922+00	50.00	0.00	0.00	9.88	0.00	0.00	0.00	0.0	0	20	7	2,805	-2,797.77
922+50	50.00	0.00	0.00	13.51	0.00	0.00	0.00	0.0	0	22	7	2,832	-2,824.84
923+00	50.00	0.00	0.00	14.07	0.00	0.00	0.00	0.0	0	26	7	2,864	-2,856.77
923+50	50.00	0.00	0.00	13.48	0.00	0.00	0.00	0.0	0	26	7	2,896	-2,888.66
924+00	50.00	0.00	0.00	11.41	0.00	0.00	0.00	0.0	0	23	7	2,925	-2,917.47
924+50	50.00	0.00	0.00	9.51	0.00	0.00	0.00	0.0	0	19	7	2,949	-2,941.68
925+00	50.00	0.00	0.00	9.60	0.00	0.00	0.00	0.0	0	18	7	2,971	-2,963.78

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PROJECT NO: 1016-02-60 | **HWY:** IH 90/94 | **COUNTY:** SAUK | **EARTHWORK SUMMARY** | **SHEET NO:** E

FILE NAME : _____ PLOT DATE : _____ PLOT BY : _____ PLOT NAME : _____ ORG DATE : _____ ORIGINATOR : DIST _ PLOT SCALE : 1:1

SAUK SOUTH SEC 1 CONTINUED

STATION	Distance	AREA (SF) Cut	Salvaged/Unusable Pavement Material	Fill	Marsh Exc	Rock Exc	EBS	Incremental Vol (CY) (Unadjusted) Cut Note 1	Salvaged/Unusable Pavement Material Note 2	Fill Note 3	Cumulative Vol (CY) Cut 1.00 Note 1	Expanded Fill 1.25	Mass Ordinate Note 8
925+50	50.00	0.00	0.00	6.65	0.00	0.00	0.00	0.0	0	15	7	2,990	-2,982.59
926+00	50.00	0.00	0.00	7.04	0.00	0.00	0.00	0.0	0	13	7	3,006	-2,998.43
926+50	50.00	0.00	0.00	4.83	0.00	0.00	0.00	0.0	0	11	7	3,019	-3,012.17
927+00	50.00	0.00	0.00	0.96	0.00	0.00	0.00	0.0	0	5	7	3,026	-3,018.87
927+50	50.00	0.00	0.00	11.37	0.00	0.00	0.00	0.0	0	11	7	3,040	-3,033.14
928+00	50.00	0.00	0.00	11.64	0.00	0.00	0.00	0.0	0	21	7	3,067	-3,059.76
928+50	50.00	0.00	0.00	9.20	0.00	0.00	0.00	0.0	0	19	7	3,091	-3,083.88
929+00	50.00	0.00	0.00	7.38	0.00	0.00	0.00	0.0	0	15	7	3,110	-3,103.07
929+50	50.00	0.00	0.00	6.03	0.00	0.00	0.00	0.0	0	12	7	3,126	-3,118.60
930+00	50.00	0.00	0.00	5.82	0.00	0.00	0.00	0.0	0	11	7	3,139	-3,132.30
930+50	50.00	0.00	0.00	4.31	0.00	0.00	0.00	0.0	0	9	7	3,151	-3,144.03
931+00	50.00	0.00	0.00	7.57	0.00	0.00	0.00	0.0	0	11	7	3,165	-3,157.78
931+50	50.00	0.00	0.00	9.23	0.00	0.00	0.00	0.0	0	16	7	3,184	-3,177.22
932+00	50.00	0.00	0.00	7.60	0.00	0.00	0.00	0.0	0	16	7	3,204	-3,196.69
932+50	50.00	0.00	0.00	4.67	0.00	0.00	0.00	0.0	0	11	7	3,218	-3,210.89
933+00	50.00	0.00	0.00	2.43	0.00	0.00	0.00	0.0	0	7	7	3,226	-3,219.10
933+50	50.00	0.00	0.00	5.52	0.00	0.00	0.00	0.0	0	7	7	3,235	-3,228.30
934+00	50.00	0.00	0.00	5.92	0.00	0.00	0.00	0.0	0	11	7	3,249	-3,241.55
934+50	50.00	0.00	0.00	5.71	0.00	0.00	0.00	0.0	0	11	7	3,262	-3,255.01
935+00	50.00	0.00	0.00	5.42	0.00	0.00	0.00	0.0	0	10	7	3,275	-3,267.90
935+50	50.00	0.00	0.00	4.67	0.00	0.00	0.00	0.0	0	9	7	3,287	-3,279.58
936+00	50.00	0.00	0.00	4.07	0.00	0.00	0.00	0.0	0	8	7	3,297	-3,289.69
936+50	50.00	0.00	0.00	4.14	0.00	0.00	0.00	0.0	0	8	7	3,306	-3,299.20
937+00	50.00	0.00	0.00	2.05	0.00	0.00	0.00	0.0	0	6	7	3,313	-3,306.35
937+50	50.00	0.00	0.00	3.68	0.00	0.00	0.00	0.0	0	5	7	3,320	-3,312.97
937+60	10.00	0.00	0.00	1.50	0.00	0.00	0.00	0.0	0	1	7	3,321	-3,314.17
937+61	0.58	0.00	0.00	1.10	0.00	0.00	0.00	0.0	0	0	7	3,321	-3,314.21
								7	0	2,657			

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PROJECT NO: 1016-02-60 | **HWY:** IH 90/94 | **COUNTY:** SAUK | **EARTHWORK SUMMARY** | **SHEET NO:** E

FILE NAME : _____ PLOT DATE : _____ PLOT BY : _____ PLOT NAME : _____ ORG DATE : _____ ORIGINATOR : DIST _ PLOT SCALE : 1:1

SAUK SOUTH SEC 2

STATION	Distance	AREA (SF) Cut	Salvaged/Unusable Pavement Material	Fill	Marsh Exc	Rock Exc	EBS	Incremental Vol (CY) (Unadjusted) Cut Note 1	Salvaged/Unusable Pavement Material Note 2	Fill Note 3	Cumulative Vol (CY) Cut 1.00 Note 1	Expanded Fill 1.25	Mass Ordinate Note 8
938+34	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0	0	0	0	0	0.00
938+40	6.29	0.21	0.00	0.25	0.00	0.00	0.00	0.0	0	0	0	0	-0.01
938+50	9.71	0.00	0.00	2.12	0.00	0.00	0.00	0.0	0	0	0	1	-0.51
939+00	50.00	0.00	0.00	4.82	0.00	0.00	0.00	0.0	0	6	0	9	-8.55
939+50	50.00	0.00	0.00	5.38	0.00	0.00	0.00	0.0	0	9	0	20	-20.35
940+00	50.00	0.00	0.00	4.79	0.00	0.00	0.00	0.0	0	9	0	32	-32.12
940+50	50.00	0.22	0.00	1.40	0.00	0.00	0.00	0.2	0	6	0	39	-39.08
940+84	33.84	0.75	0.00	0.03	0.00	0.00	0.00	0.6	0	1	1	40	-39.59
941+00	16.16	0.00	0.00	0.00	0.00	0.00	0.00	0.2	0	0	1	40	-39.37
948+00	700.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0	0	0	1	40	-39.37
948+08	8.45	0.00	0.00	0.40	0.00	0.00	0.00	0.0	0	0	1	41	-39.45
948+50	41.55	0.00	0.00	2.55	0.00	0.00	0.00	0.0	0	2	1	43	-42.29
949+00	50.00	0.00	0.00	1.16	0.00	0.00	0.00	0.0	0	3	1	48	-46.58
949+50	50.00	0.00	0.00	1.15	0.00	0.00	0.00	0.0	0	2	1	50	-49.25
950+00	50.00	0.00	0.00	1.69	0.00	0.00	0.00	0.0	0	3	1	54	-52.54
950+50	50.00	0.00	0.00	3.13	0.00	0.00	0.00	0.0	0	4	1	59	-58.11
951+00	50.00	0.00	0.00	2.52	0.00	0.00	0.00	0.0	0	5	1	66	-64.65
951+49	49.42	0.00	0.00	0.37	0.00	0.00	0.00	0.0	0	3	1	69	-67.95
951+50	0.58	0.00	0.00	0.00	0.00	0.00	0.00	0.0	0	0	1	69	-67.95
								1	0	55			

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PROJECT NO: 1016-02-60	HWY: IH 90/94	COUNTY: SAUK	EARTHWORK SUMMARY	SHEET NO: 157	E

FILE NAME : _____ PLOT DATE : _____ PLOT BY : _____ PLOT NAME : _____ ORG DATE : _____ ORIGINATOR : DIST _ PLOT SCALE : 1:1

SAUK SOUTH SEC 3

STATION	Distance	AREA (SF) Cut	Salvaged/Unusable Pavement Material	Fill	Marsh Exc	Rock Exc	EBS	Incremental Vol (CY) (Unadjusted) Cut Note 1	Salvaged/Unusable Pavement Material Note 2	Fill Note 3	Cumulative Vol (CY) Cut 1.00 Note 1	Expanded Fill 1.25	Mass Ordinate Note 8
959+04	0.00	0.30	0.00	0.00	0.00	0.00	0.00	0.0	0	0	0	0	0.00
959+50	46.27	0.01	0.00	4.80	0.00	0.00	0.00	0.3	0	4	0	5	-4.88
960+00	50.00	0.01	0.00	7.99	0.00	0.00	0.00	0.0	0	12	0	20	-19.67
960+50	50.00	0.03	0.00	8.31	0.00	0.00	0.00	0.0	0	15	0	39	-38.51
961+00	50.00	1.97	0.00	0.00	0.00	0.00	0.00	1.9	0	8	2	48	-46.26
961+50	50.00	0.29	0.00	1.26	0.00	0.00	0.00	2.1	0	1	4	50	-45.63
962+00	50.00	0.40	0.00	0.01	0.00	0.00	0.00	0.6	0	1	5	51	-46.46
962+50	50.00	0.47	0.00	4.36	0.00	0.00	0.00	0.8	0	4	6	56	-50.72
963+00	50.00	0.24	0.00	4.05	0.00	0.00	0.00	0.7	0	8	6	66	-59.79
963+50	50.00	0.00	0.00	2.30	0.00	0.00	0.00	0.2	0	6	7	73	-66.92
964+00	50.00	0.12	0.00	6.75	0.00	0.00	0.00	0.1	0	8	7	84	-77.28
964+50	50.00	1.04	0.00	2.59	0.00	0.00	0.00	1.1	0	9	8	95	-87.01
965+00	50.00	0.13	0.00	6.34	0.00	0.00	0.00	1.1	0	8	9	105	-96.24
965+50	50.00	0.78	0.00	5.10	0.00	0.00	0.00	0.8	0	11	10	118	-108.63
966+00	50.00	0.28	0.00	4.59	0.00	0.00	0.00	1.0	0	9	11	130	-118.86
966+50	50.00	0.00	0.00	3.96	0.00	0.00	0.00	0.3	0	8	11	139	-128.49
966+93	42.54	1.13	0.00	0.00	0.00	0.00	0.00	0.9	0	3	12	143	-131.51
967+00	7.46	0.00	0.00	0.00	0.00	0.00	0.00	0.2	0	0	12	143	-131.35
977+50	1050.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0	0	0	12	143	-131.35
977+81	31.12	0.00	0.00	0.23	0.00	0.00	0.00	0.0	0	0	12	144	-131.52
978+00	18.88	0.00	0.00	0.79	0.00	0.00	0.00	0.0	0	0	12	144	-131.96
978+50	50.00	0.00	0.00	1.57	0.00	0.00	0.00	0.0	0	2	12	147	-134.69
979+00	50.00	0.00	0.00	2.98	0.00	0.00	0.00	0.0	0	4	12	152	-139.95
979+50	50.00	0.00	0.00	2.25	0.00	0.00	0.00	0.0	0	5	12	158	-146.00
980+00	50.00	0.00	0.00	0.82	0.00	0.00	0.00	0.0	0	3	12	162	-149.55
980+50	50.00	0.52	0.00	0.00	0.00	0.00	0.00	0.5	0	1	12	162	-150.02
981+00	50.00	0.00	0.00	1.19	0.00	0.00	0.00	0.5	0	1	13	164	-150.92
981+50	50.00	0.00	0.00	0.30	0.00	0.00	0.00	0.0	0	1	13	166	-152.64
982+00	50.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0	0	0	13	166	-152.99
								13	0	133			

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PROJECT NO: 1016-02-60 | **HWY:** IH 90/94 | **COUNTY:** SAUK | **EARTHWORK SUMMARY** | **SHEET NO:** E

FILE NAME : _____ PLOT DATE : _____ PLOT BY : _____ PLOT NAME : _____ ORG DATE : _____ ORIGINATOR : DIST _ PLOT SCALE : 1:1

SAUK SOUTH SEC 5

STATION	Distance	AREA (SF) Cut	Salvaged/Unusable Pavement Material	Fill	Marsh Exc	Rock Exc	EBS	Incremental Vol (CY) (Unadjusted) Cut Note 1	Salvaged/Unusable Pavement Material Note 2	Fill Note 3	Cumulative Vol (CY) Cut 1.00 Note 1	Expanded Fill 1.25	Mass Ordinate Note 8
1025+43	0.00	2.24	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0.00
1025+50	6.71	6.59	0.00	0.00	0.00	0.00	0.00	1	0	0	1	0	1.10
1026+00	50.00	55.64	0.00	0.06	0.00	0.00	0.00	58	0	0	59	0	58.64
1026+13	13.00	73.82	0.00	0.00	0.00	0.00	0.00	31	0	0	90	0	89.79
1026+50	37.00	72.00	0.00	0.00	0.00	0.00	0.00	100	0	0	190	0	189.70
1027+00	50.00	74.03	0.00	0.00	0.00	0.00	0.00	135	0	0	325	0	324.91
1027+50	50.00	62.12	0.00	0.00	0.00	0.00	0.00	126	0	0	451	0	450.97
1028+00	50.00	79.09	0.00	0.00	0.00	0.00	0.00	131	0	0	582	0	581.73
1028+50	50.00	87.90	0.00	0.00	0.00	0.00	0.00	155	0	0	736	0	736.35
1029+00	50.00	94.88	0.00	0.00	0.00	0.00	0.00	169	0	0	906	0	905.60
1029+50	50.00	84.33	0.00	0.00	0.00	0.00	0.00	166	0	0	1,072	0	1,071.54
1030+00	50.00	78.20	0.00	0.00	0.00	0.00	0.00	150	0	0	1,222	0	1,222.03
1030+50	50.00	62.61	0.00	0.00	0.00	0.00	0.00	130	0	0	1,353	0	1,352.42
1031+00	50.00	66.59	0.00	0.00	0.00	0.00	0.00	120	0	0	1,472	0	1,472.05
1031+50	50.00	63.08	0.00	0.00	0.00	0.00	0.00	120	0	0	1,592	0	1,592.12
1032+00	50.00	61.70	0.00	0.00	0.00	0.00	0.00	116	0	0	1,708	0	1,707.66
1032+50	50.00	57.50	0.00	0.00	0.00	0.00	0.00	110	0	0	1,818	0	1,818.04
1033+00	50.00	51.54	0.00	0.00	0.00	0.00	0.00	101	0	0	1,919	0	1,919.00
1033+50	50.00	57.35	0.00	0.00	0.00	0.00	0.00	101	0	0	2,020	0	2,019.82
1034+00	50.00	60.45	0.00	0.00	0.00	0.00	0.00	109	0	0	2,129	0	2,128.90
1034+50	50.00	58.07	0.00	0.00	0.00	0.00	0.00	110	0	0	2,239	0	2,238.64
1034+90	39.61	61.18	0.00	0.00	0.00	0.00	0.00	87	0	0	2,326	0	2,326.10
1035+00	10.39	59.29	0.00	0.00	0.00	0.00	0.00	23	0	0	2,349	0	2,349.29
1035+50	50.00	46.89	0.00	0.00	0.00	0.00	0.00	98	0	0	2,448	0	2,447.60
1036+00	50.00	51.87	0.00	0.00	0.00	0.00	0.00	91	0	0	2,539	0	2,539.04
1036+50	50.00	44.62	0.00	0.00	0.00	0.00	0.00	89	0	0	2,628	0	2,628.38
1037+00	50.00	44.69	0.00	0.00	0.00	0.00	0.00	83	0	0	2,711	0	2,711.08
1037+50	50.00	40.07	0.00	0.00	0.00	0.00	0.00	78	0	0	2,790	0	2,789.56
1038+00	50.00	39.66	0.00	0.00	0.00	0.00	0.00	74	0	0	2,863	0	2,863.38
1038+50	50.00	39.95	0.00	0.00	0.00	0.00	0.00	74	0	0	2,937	0	2,937.09
1039+00	50.00	42.46	0.00	0.00	0.00	0.00	0.00	76	0	0	3,013	0	3,013.39
1039+50	50.00	37.63	0.00	0.00	0.00	0.00	0.00	74	0	0	3,088	0	3,087.54
1040+00	50.00	35.65	0.00	0.00	0.00	0.00	0.00	68	0	0	3,155	0	3,155.39
1040+50	50.00	30.95	0.00	0.00	0.00	0.00	0.00	62	0	0	3,217	0	3,217.06
1041+00	50.00	32.97	0.00	0.00	0.00	0.00	0.00	59	0	0	3,276	0	3,276.24
1041+50	50.00	27.69	0.00	0.00	0.00	0.00	0.00	56	0	0	3,332	0	3,332.40
1042+00	50.00	29.73	0.00	0.00	0.00	0.00	0.00	53	0	0	3,386	0	3,385.57
1042+50	50.00	28.31	0.00	0.00	0.00	0.00	0.00	54	0	0	3,439	0	3,439.32
1043+00	50.00	34.75	0.00	0.00	0.00	0.00	0.00	58	0	0	3,498	0	3,497.70
1043+50	50.00	28.12	0.00	0.00	0.00	0.00	0.00	58	0	0	3,556	0	3,555.91
1044+00	50.00	25.54	0.00	0.00	0.00	0.00	0.00	50	0	0	3,606	0	3,605.60
1044+43	42.64	26.84	0.00	0.00	0.00	0.00	0.00	41	0	0	3,647	0	3,646.96
1044+50	7.36	27.60	0.00	0.00	0.00	0.00	0.00	7	0	0	3,654	0	3,654.38
1045+00	50.00	18.72	0.00	0.00	0.00	0.00	0.00	43	0	0	3,697	0	3,697.27
1045+50	50.00	18.54	0.00	0.00	0.00	0.00	0.00	35	0	0	3,732	0	3,731.77
1046+00	50.00	18.03	0.00	0.00	0.00	0.00	0.00	34	0	0	3,766	0	3,765.63
1046+50	50.00	15.24	0.00	0.00	0.00	0.00	0.00	31	0	0	3,797	0	3,796.43
1047+00	50.00	17.19	0.00	0.00	0.00	0.00	0.00	30	0	0	3,827	0	3,826.46
1047+50	50.00	13.81	0.00	0.00	0.00	0.00	0.00	29	0	0	3,855	0	3,855.16
1048+00	50.00	9.67	0.00	0.00	0.00	0.00	0.00	22	0	0	3,877	0	3,876.91
1048+50	50.00	8.05	0.00	0.00	0.00	0.00	0.00	16	0	0	3,893	0	3,893.31
1048+78	28.22	5.85	0.00	0.00	0.00	0.00	0.00	7	0	0	3,901	0	3,900.57
								3,901	0	0			

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PROJECT NO: 1016-02-60 | **HWY:** IH 90/94 | **COUNTY:** SAUK | **EARTHWORK SUMMARY** | **SHEET NO:** | E

FILE NAME : _____ PLOT DATE : _____ PLOT BY : _____ PLOT NAME : _____ ORG DATE : _____ ORIGINATOR : DIST _ PLOT SCALE : 1:1

Columbia Sec

STATION	Distance	AREA (SF) Cut	Salvaged/Unusable Pavement Material	Fill	Marsh Exc	Rock Exc	EBS	Incremental Vol (CY) (Unadjusted) Cut Note 1	Salvaged/Unusable Pavement Material Note 2	Fill Note 3	Cumulative Vol (CY) Cut 1.00 Note 1	Expanded Fill 1.25	Mass Ordinate Note 8
1535+00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0.0	0	0	0.00
1535+60	60.00	1.72	0.00	0.00	0.00	0.00	0.00	2	0	0.0	2	0	1.91
1536+00	40.00	2.27	0.00	0.00	0.00	0.00	0.00	3	0	0.0	5	0	4.87
1536+50	50.00	2.07	0.00	0.00	0.00	0.00	0.00	4	0	0.0	9	0	8.88
1537+00	50.00	1.56	0.00	0.06	0.00	0.00	0.00	3	0	0.1	12	0	12.17
1537+39	38.61	1.90	0.00	0.04	0.00	0.00	0.00	2	0	0.1	15	0	14.56
1537+50	11.39	1.78	0.00	0.05	0.00	0.00	0.00	1	0	0.0	15	0	15.31
1538+00	50.00	3.70	0.00	0.01	0.00	0.00	0.00	5	0	0.0	21	0	20.33
1538+50	50.00	3.68	0.00	0.06	0.00	0.00	0.00	7	0	0.1	27	0	27.08
1539+00	50.00	2.01	0.00	0.32	0.00	0.00	0.00	5	0	0.4	33	1	31.91
1539+50	50.00	4.49	0.00	0.03	0.00	0.00	0.00	6	0	0.3	39	1	37.53
1540+00	50.00	8.13	0.00	0.04	0.00	0.00	0.00	12	0	0.1	50	1	49.13
1540+50	50.00	12.74	0.00	0.11	0.00	0.00	0.00	19	0	0.1	70	1	68.29
1541+00	50.00	10.66	0.00	0.17	0.00	0.00	0.00	22	0	0.3	91	2	89.64
1541+50	50.00	14.62	0.00	0.12	0.00	0.00	0.00	23	0	0.3	115	2	112.70
1542+00	50.00	9.64	0.00	0.14	0.00	0.00	0.00	22	0	0.2	137	2	134.86
1542+50	50.00	10.18	0.00	0.05	0.00	0.00	0.00	18	0	0.2	156	3	152.99
1543+00	50.00	12.54	0.00	0.43	0.00	0.00	0.00	21	0	0.4	177	3	173.47
1543+50	50.00	12.26	0.00	0.41	0.00	0.00	0.00	23	0	0.8	200	4	195.46
1544+00	50.00	9.17	0.00	0.53	0.00	0.00	0.00	20	0	0.9	219	5	214.23
1544+50	50.00	13.73	0.00	0.25	0.00	0.00	0.00	21	0	0.7	241	6	234.54
1545+00	50.00	20.98	0.00	0.11	0.00	0.00	0.00	32	0	0.3	273	7	266.26
1545+50	50.00	25.64	0.00	0.90	0.00	0.00	0.00	43	0	0.9	316	8	308.25
1546+00	50.00	30.01	0.00	0.30	0.00	0.00	0.00	52	0	1.1	367	9	358.39
1546+50	50.00	26.71	0.00	1.06	0.00	0.00	0.00	53	0	1.3	420	11	409.32
1547+00	50.00	26.48	0.00	1.38	0.00	0.00	0.00	49	0	2.3	469	13	455.75
1547+50	50.00	26.87	0.00	0.02	0.00	0.00	0.00	49	0	1.3	519	15	503.54
1548+00	50.00	22.67	0.00	0.09	0.00	0.00	0.00	46	0	0.1	564	15	549.29
1548+50	50.00	20.92	0.00	0.74	0.00	0.00	0.00	40	0	0.8	605	16	588.69
1549+00	50.00	19.58	0.00	0.02	0.00	0.00	0.00	37	0	0.7	642	17	625.31
1549+40	40.00	0.00	0.00	1.30	0.00	0.00	0.00	15	0	1.0	657	18	638.58
1550+00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	1.4	657	20	636.77
								657	0	16			

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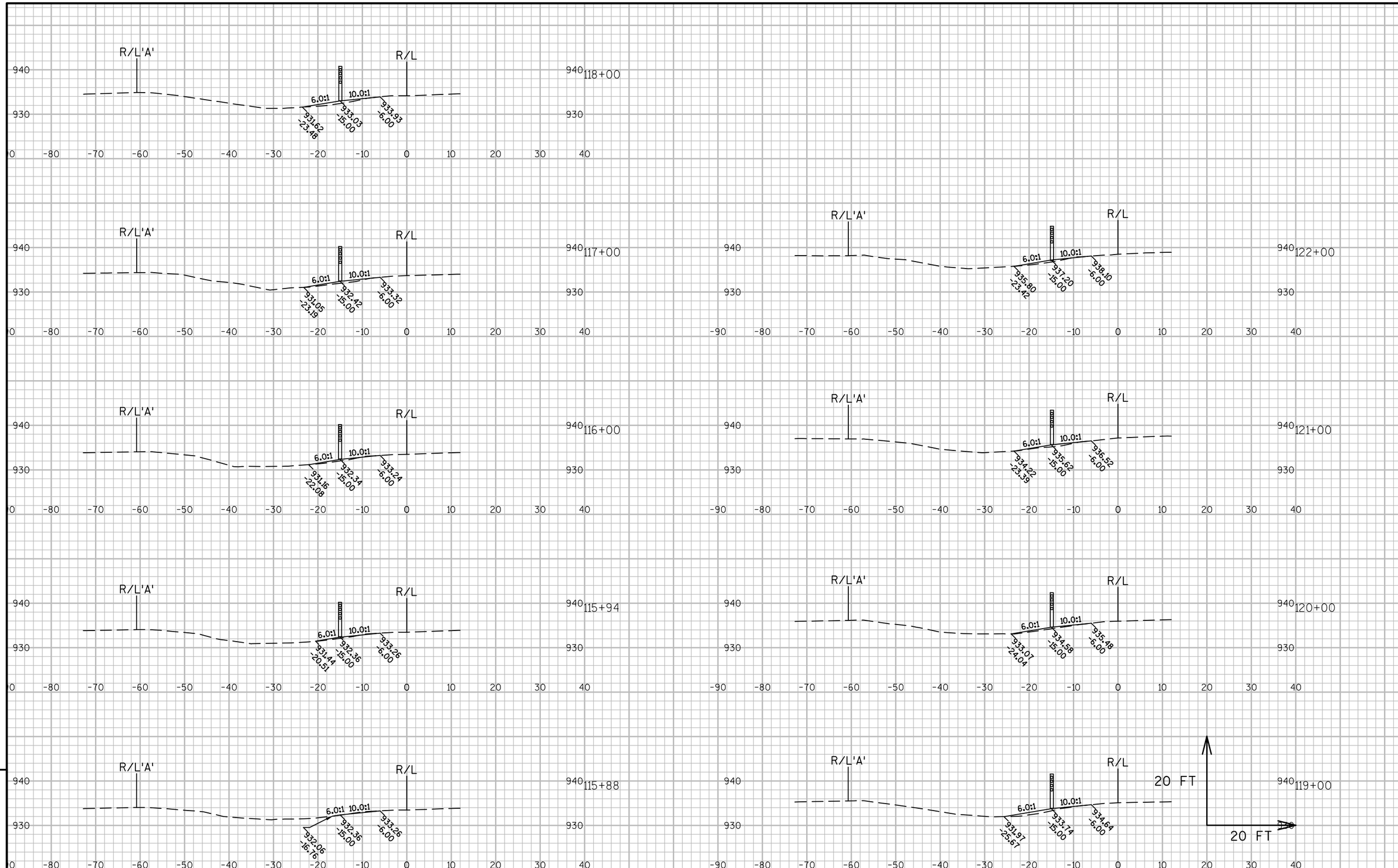
PROJECT NO: 1016-02-60 | **HWY:** IH 90/94 | **COUNTY:** COLUMBIA | **EARTHWORK SUMMARY** | **SHEET NO:** E

FILE NAME : _____ PLOT DATE : _____ PLOT BY : _____ PLOT NAME : _____ ORG DATE : _____ ORIGINATOR : DIST _ PLOT SCALE : 1:1



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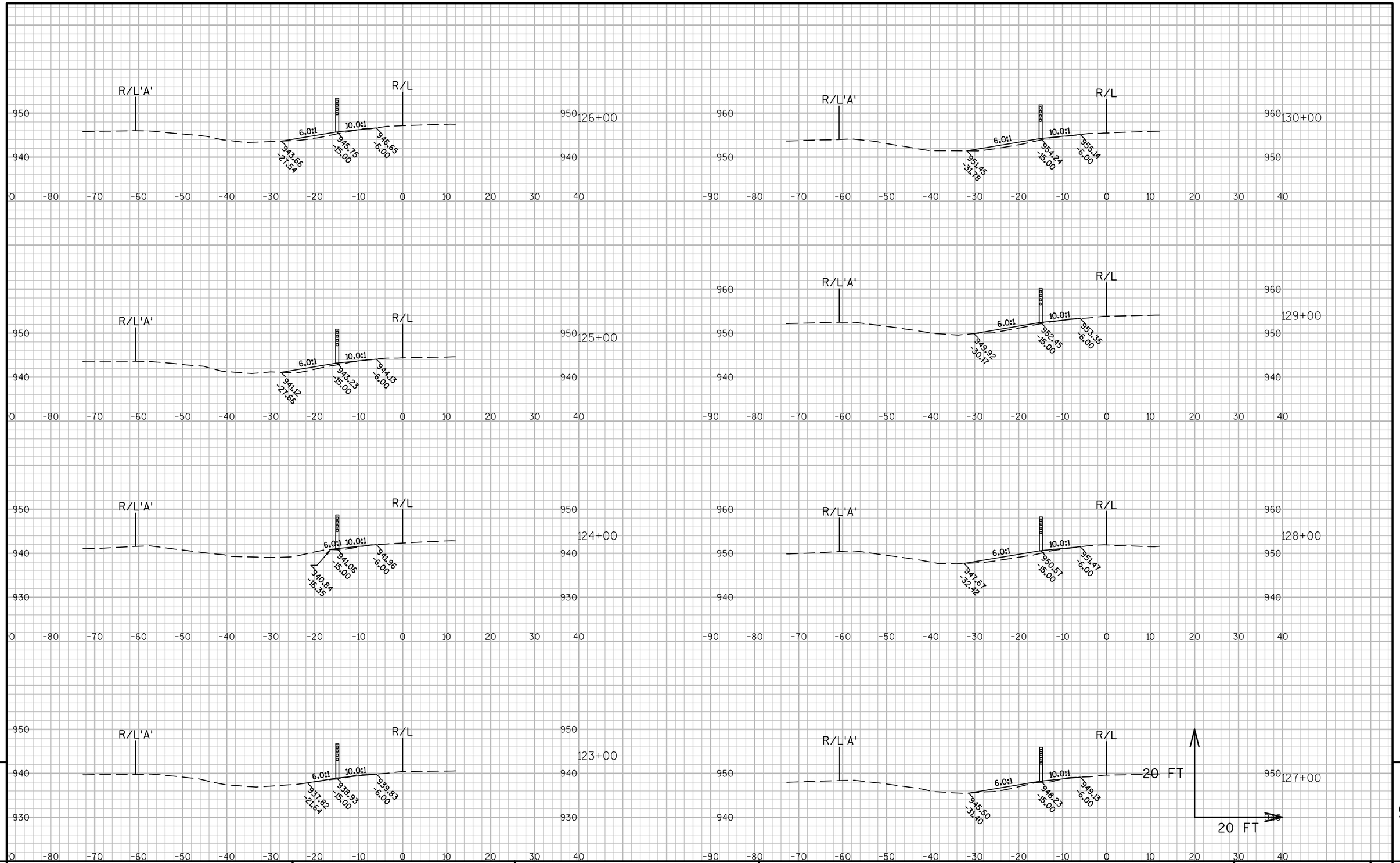
PROJECT NO:1016-02-60	HWY:IH 90/94	COUNTY:JUNEAU	CROSS SECTIONS: JUNEAU NORTH	SHEET	E

FILE NAME : N:\PDS\C3D\10160230\SHEETSPLAN\CROSS SECTIONS\090101_XS.DWG
LAYOUT NAME - SECTION SHEET - (1)

PLOT DATE : 3/17/2016 11:14 AM PLOT BY : MECUM, BRANDYN W PLOT NAME : PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 49



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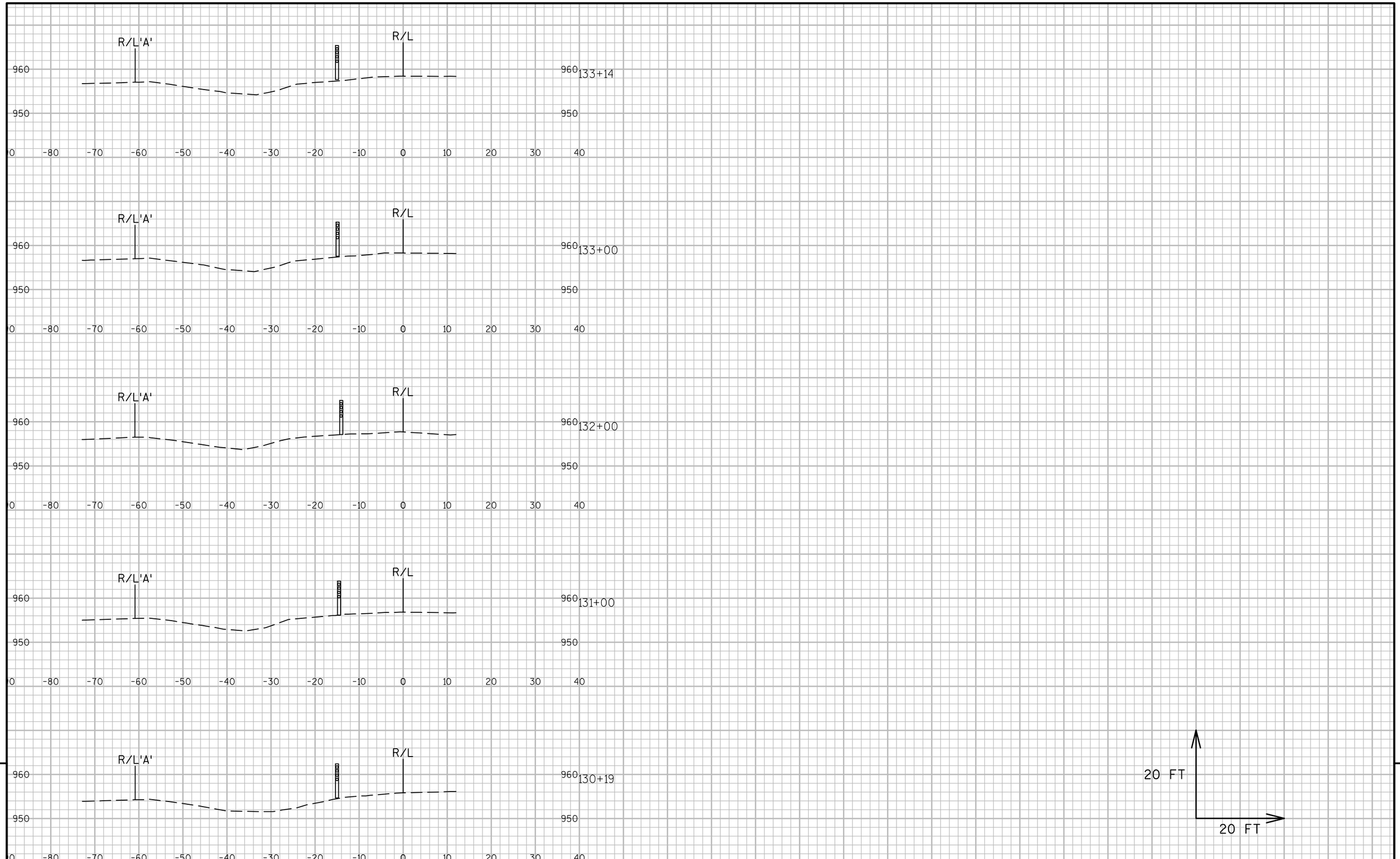
PROJECT NO:1016-02-60	HWY:IH 90/94	COUNTY:JUNEAU	CROSS SECTIONS:JUNEAU NORTH	SHEET 162	E

FILE NAME : N:\PDS\C3D\10160230\SHEETSPLAN\CROSS SECTIONS\090101_XS.DWG
LAYOUT NAME - SECTION SHEET - (2)

PLOT DATE : 3/17/2016 11:14 AM PLOT BY : MECUM, BRANDYN W PLOT NAME : PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 49



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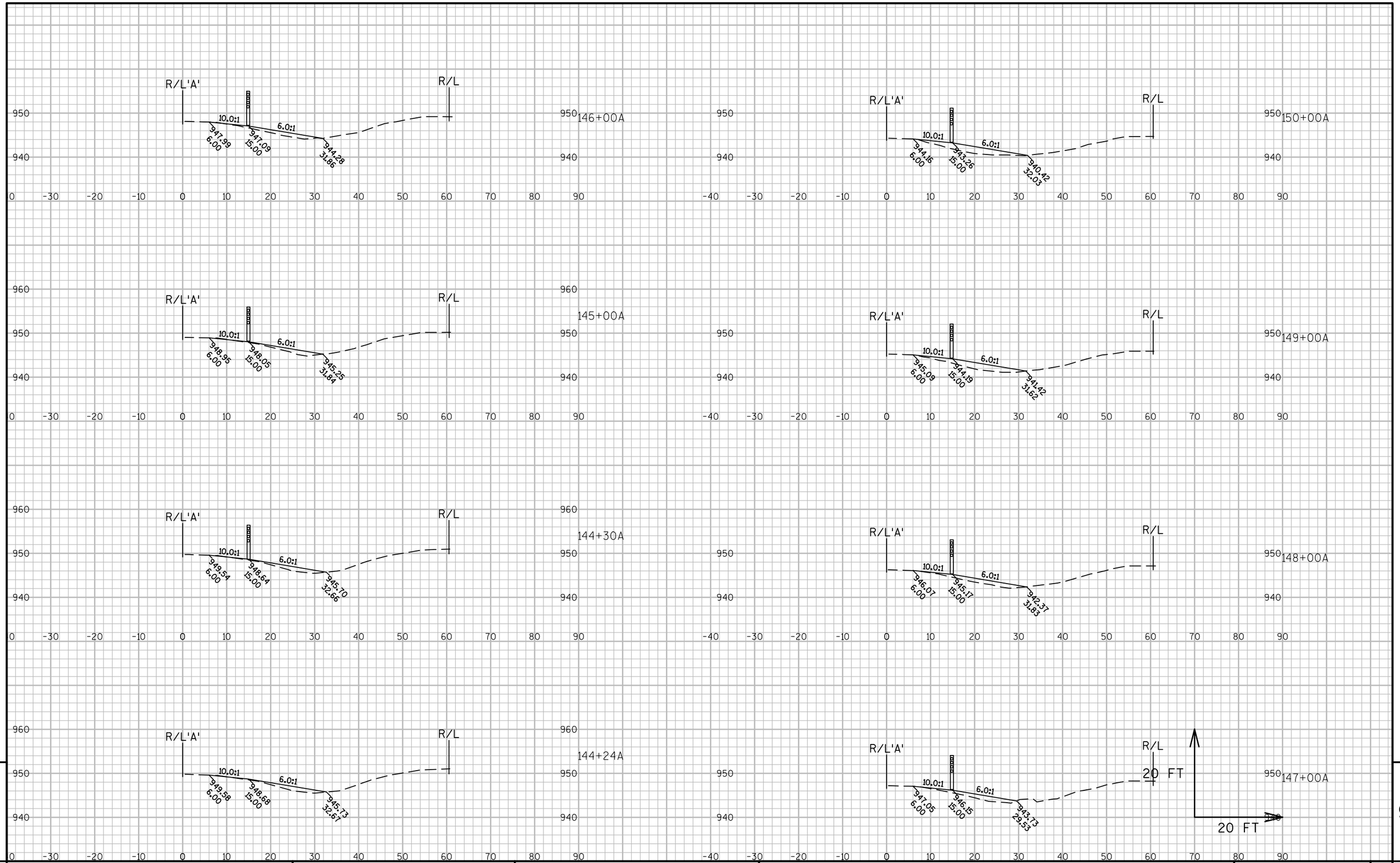
PROJECT NO:1016-02-60	HWY:IH 90/94	COUNTY:JUNEAU	CROSS SECTIONS:JUNEAU NORTH	SHEET 163	E

FILE NAME : N:\PDS\C3D\10160230\SHEETSPLAN\CROSS SECTIONS\090101_XS.DWG
LAYOUT NAME - SECTION SHEET - (3)
PLOT DATE : 3/17/2016 11:14 AM PLOT BY : MECUM, BRANDYN W PLOT NAME : PLOT SCALE : 1 IN:20 FT



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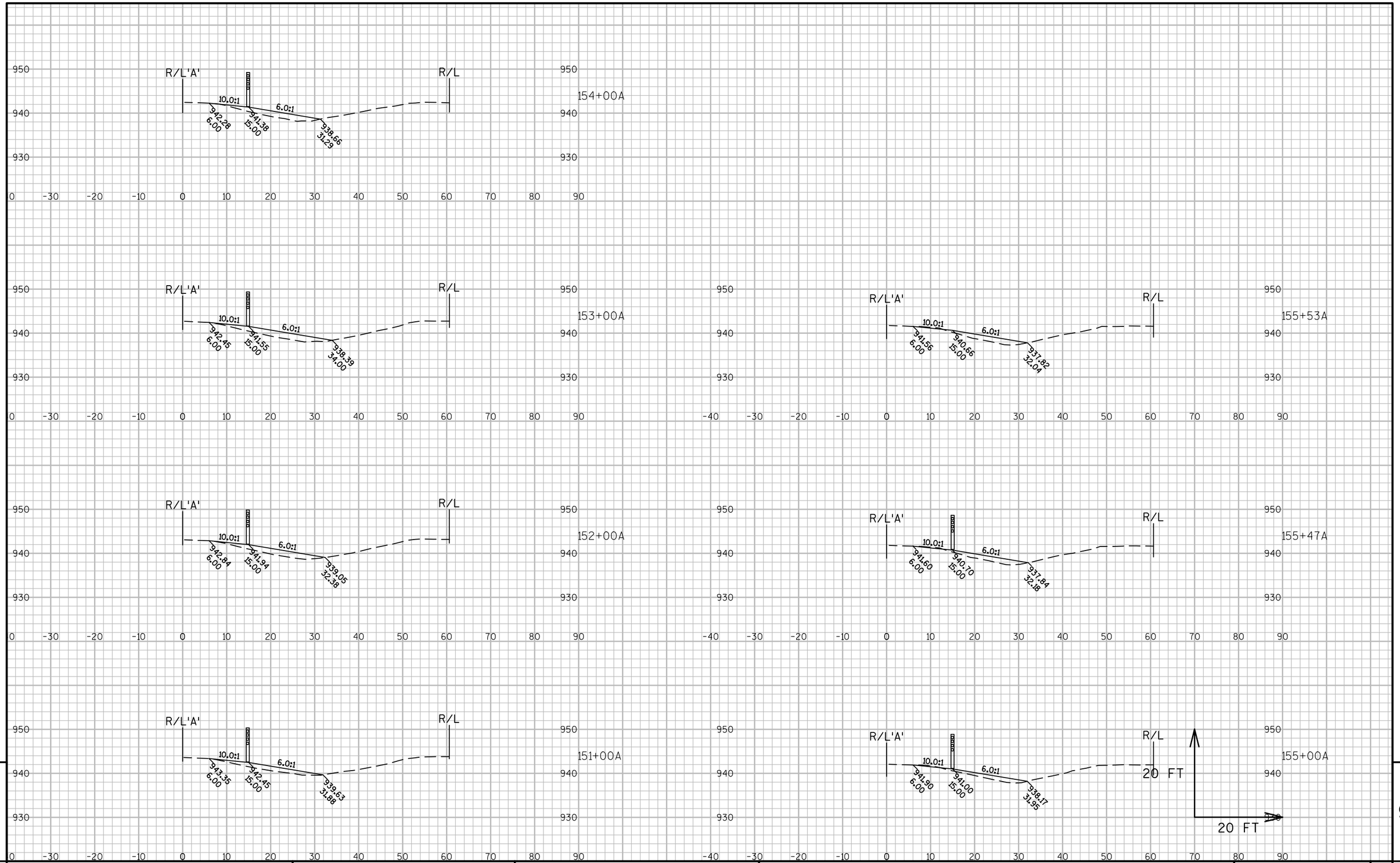
PROJECT NO:1016-02-60	HWY:IH 90/94	COUNTY:JUNEAU	CROSS SECTIONS:JUNEAU NORTH	SHEET 164	E

FILE NAME : N:\PDS\C3D\10160230\SHEETSPLAN\CROSS SECTIONS\090101_XS.DWG
LAYOUT NAME - (1)
PLOT DATE : 3/17/2016 11:15 AM PLOT BY : MECUM, BRANDYN W PLOT NAME : PLOT SCALE : 1 IN:20 FT



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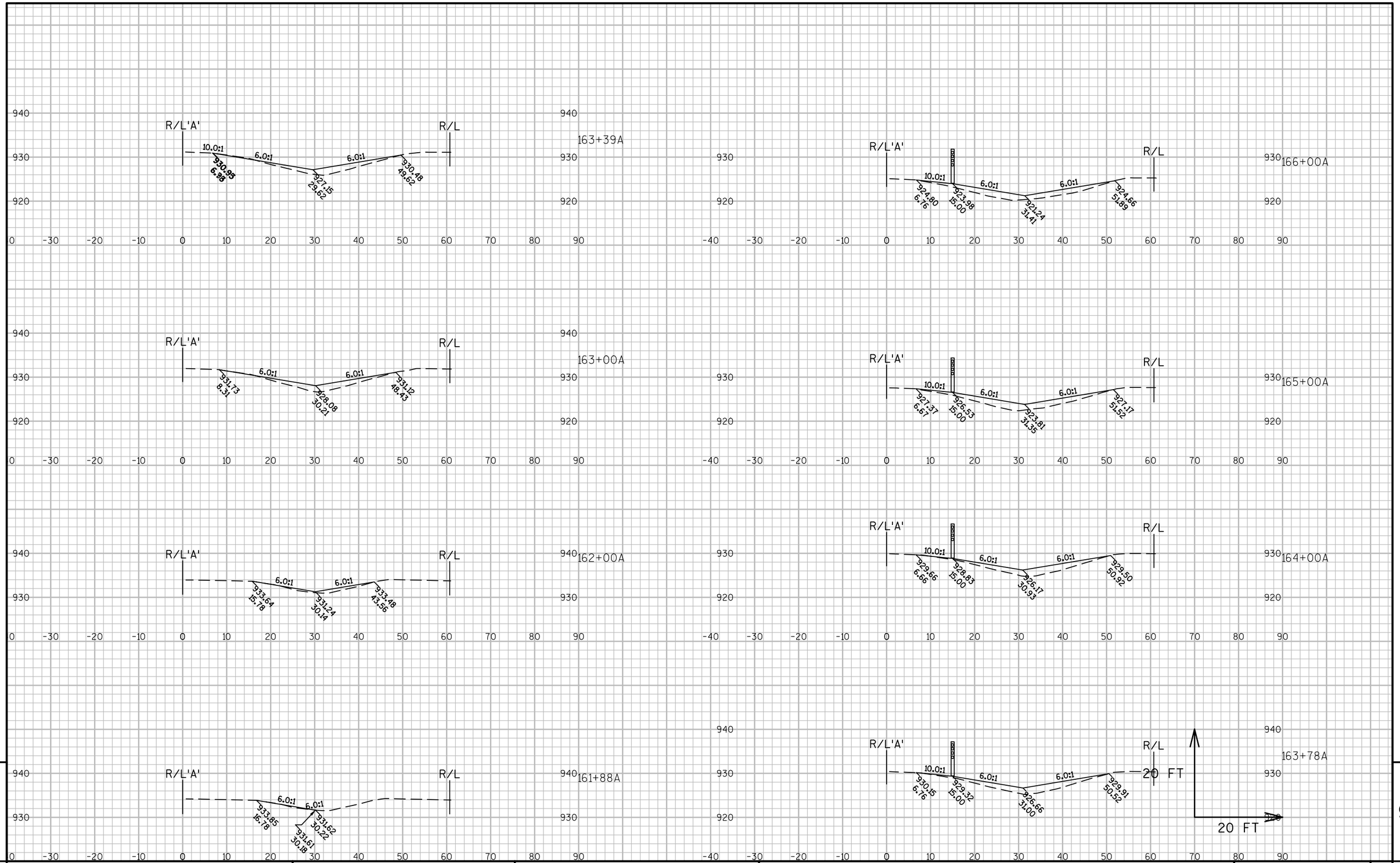
9

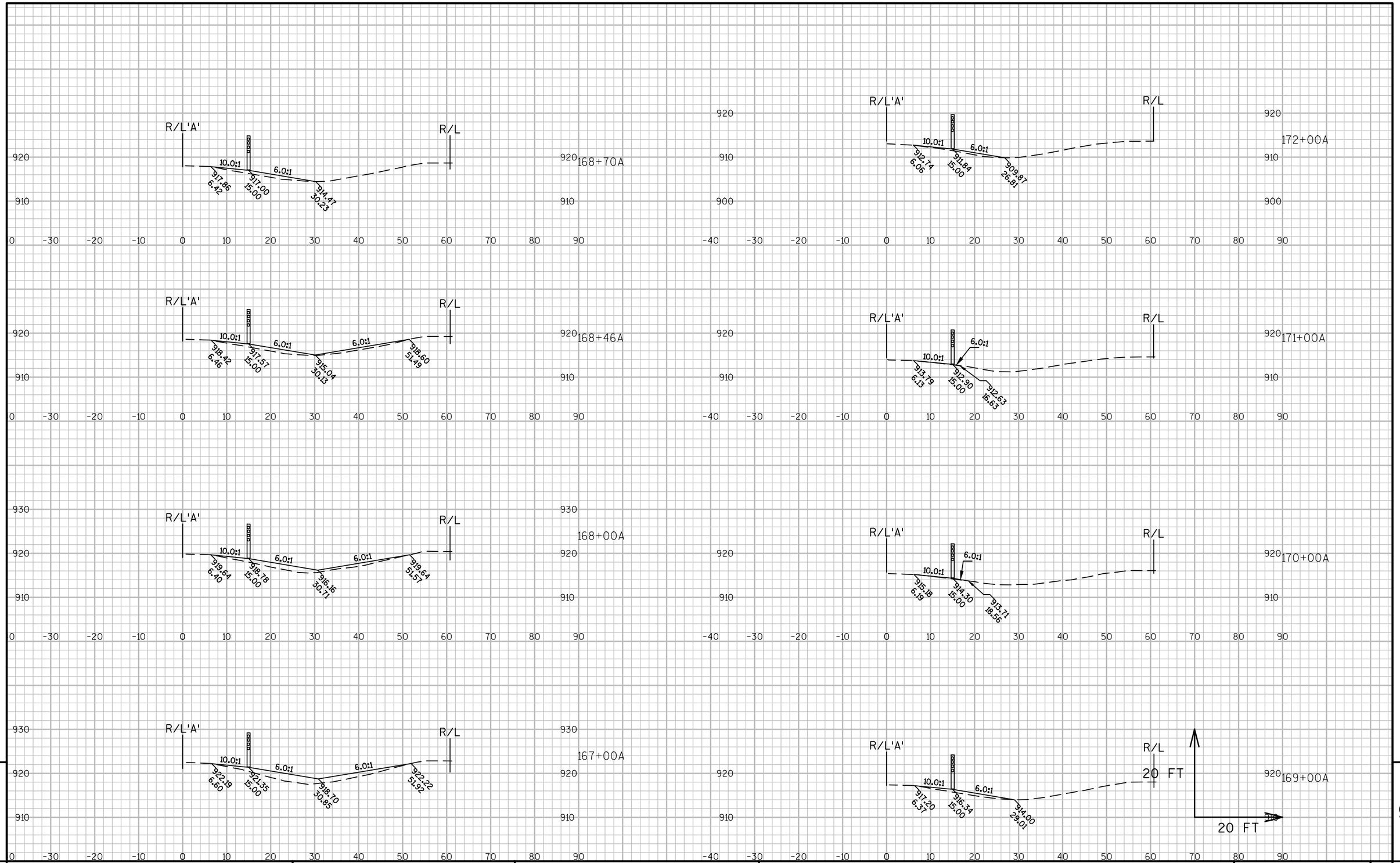
PROJECT NO:1016-02-60	HWY:IH 90/94	COUNTY:JUNEAU	CROSS SECTIONS: JUNEAU NORTH	SHEET 165	E

FILE NAME : N:\PDS\C3D\10160230\SHEETSPLAN\CROSS SECTIONS\090101_XS.DWG
LAYOUT NAME - (2)
PLOT DATE : 3/17/2016 11:15 AM PLOT BY : MECUM, BRANDYN W PLOT NAME : PLOT SCALE : 1 IN:20 FT



PROJECT NO:1016-02-60	HWY:IH 90/94	COUNTY:JUNEAU	CROSS SECTIONS:JUNEAU NORTH	SHEET 166	E

FILE NAME : N:\PDS\C3D\10160230\SHEETSPLAN\CROSS SECTIONS\090101_XS.DWG
LAYOUT NAME - 6
PLOT DATE : 3/17/2016 11:15 AM PLOT BY : MECUM, BRANDYN W PLOT NAME : PLOT SCALE : 1 IN:20 FT



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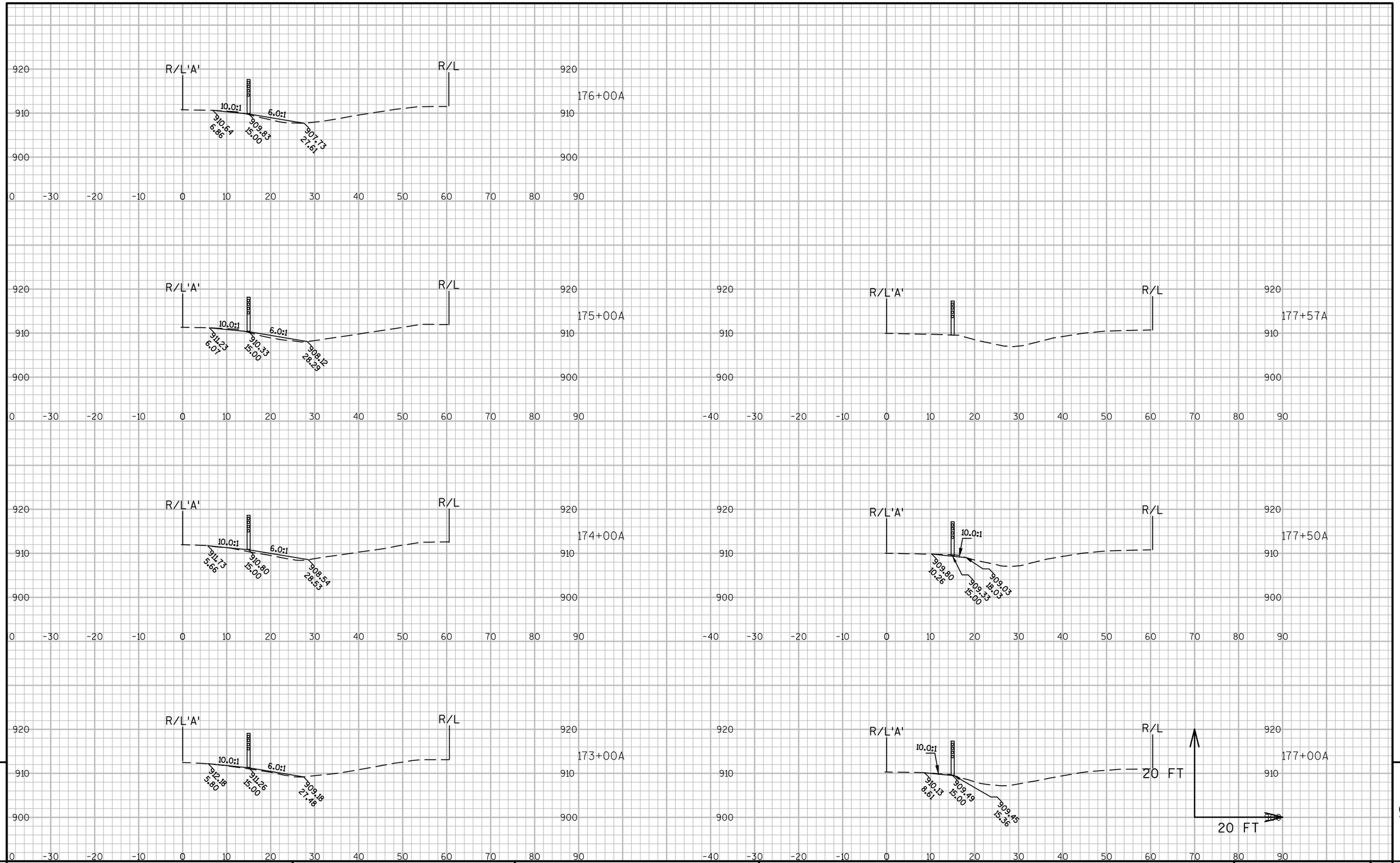
PROJECT NO:1016-02-60	HWY:IH 90/94	COUNTY:JUNEAU	CROSS SECTIONS:JUNEAU NORTH	SHEET 167	E

FILE NAME : N:\PDS\C3D\10160230\SHEETSPLAN\CROSS SECTIONS\090101_XS.DWG
LAYOUT NAME - 7

PLOT DATE : 3/17/2016 11:15 AM PLOT BY : MECUM, BRANDYN W PLOT NAME : PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 49



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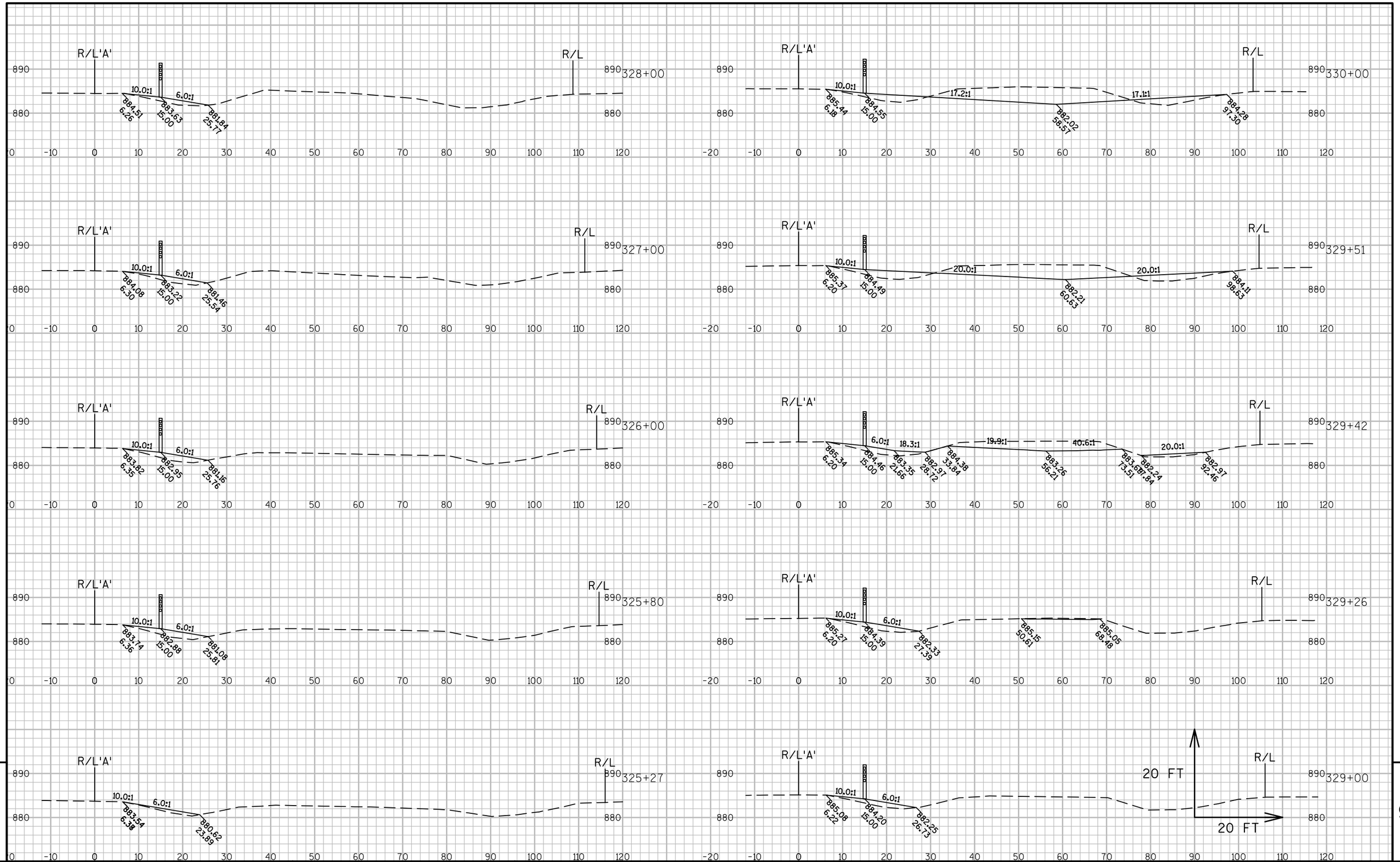
PROJECT NO:1016-02-60	HWY:IH 90/94	COUNTY:JUNEAU	CROSS SECTIONS: JUNEAU NORTH	SHEET 168	E

FILE NAME : N:\PDS\C3D\10160230\SHEETSPLAN\CROSS SECTIONS\090101_XS.DWG
LAYOUT NAME - 8

PLOT DATE : 3/17/2016 11:16 AM PLOT BY : MECUM, BRANDYN W PLOT NAME : PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 49



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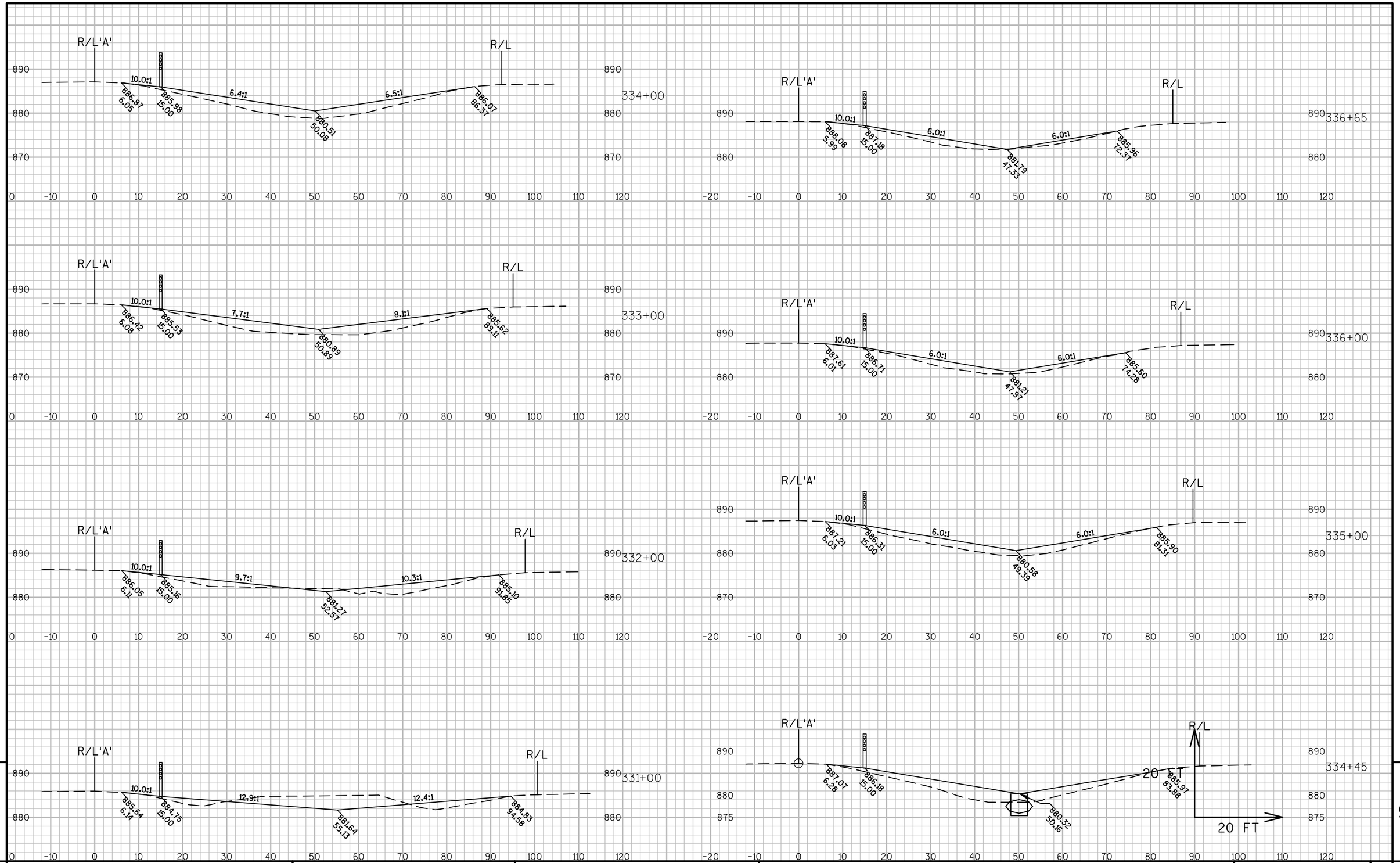
PROJECT NO:1016-02-60	HWY:IH 90/94	COUNTY:JUNEAU	CROSS SECTIONS:JUNEAU SOUTH	SHEET 169	E

FILE NAME : N:\PDS\C3D\10160230\SHEETSPLAN\CROSS SECTIONS\090102_XS.DWG
LAYOUT NAME - (1)

PLOT DATE : 3/17/2016 12:56 PM PLOT BY : MECUM, BRANDYN W PLOT NAME : PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 49



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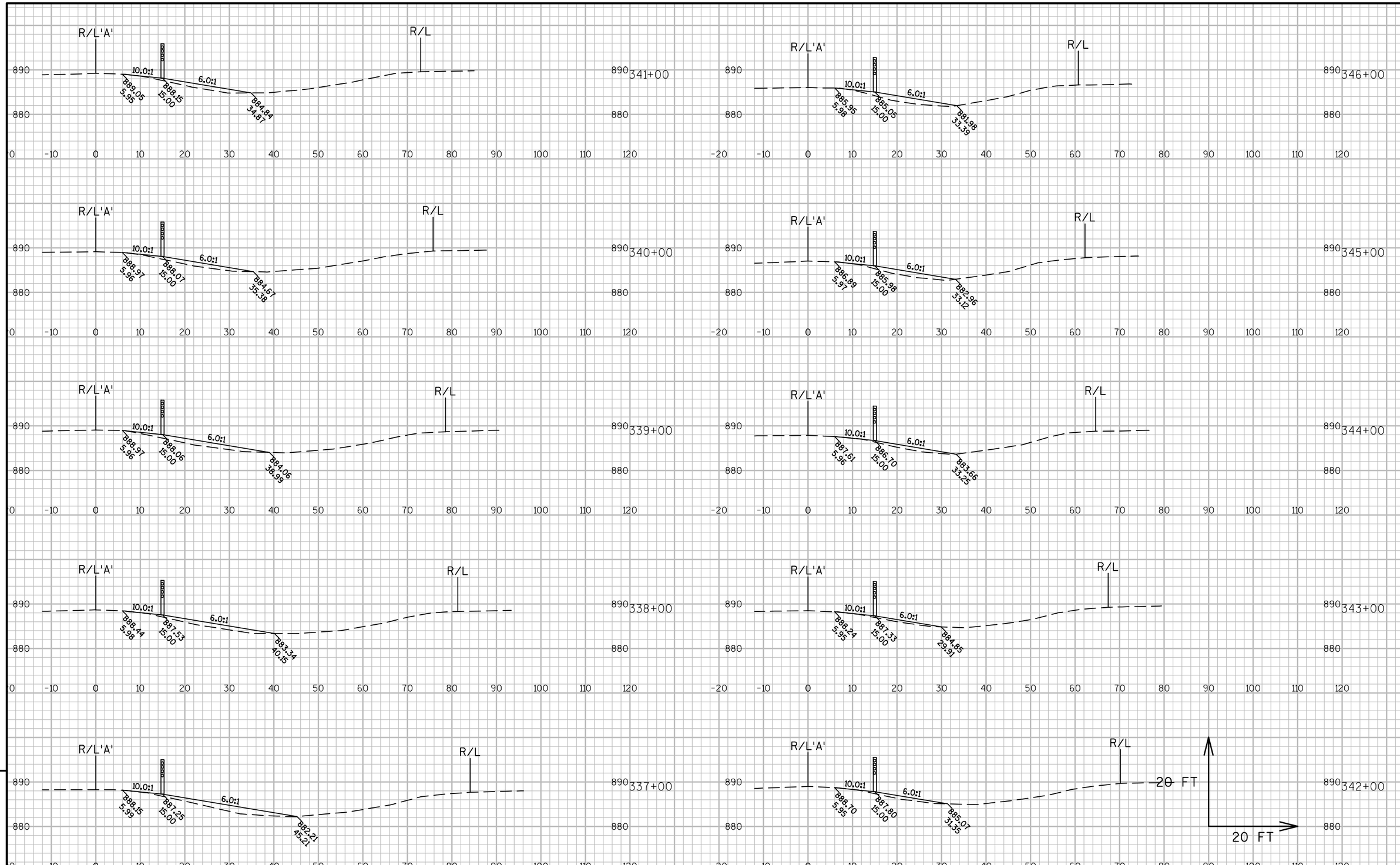
PROJECT NO:1016-02-60	HWY:IH 90/94	COUNTY:JUNEAU	CROSS SECTIONS:JUNEAU SOUTH	SHEET 170	E

FILE NAME : N:\PDS\C3D\10160230\SHEETSPLAN\CROSS SECTIONS\090102_XS.DWG
LAYOUT NAME - (2)
PLOT DATE : 3/17/2016 12:57 PM PLOT BY : MECUM, BRANDYN W PLOT NAME : PLOT SCALE : 1 IN:20 FT



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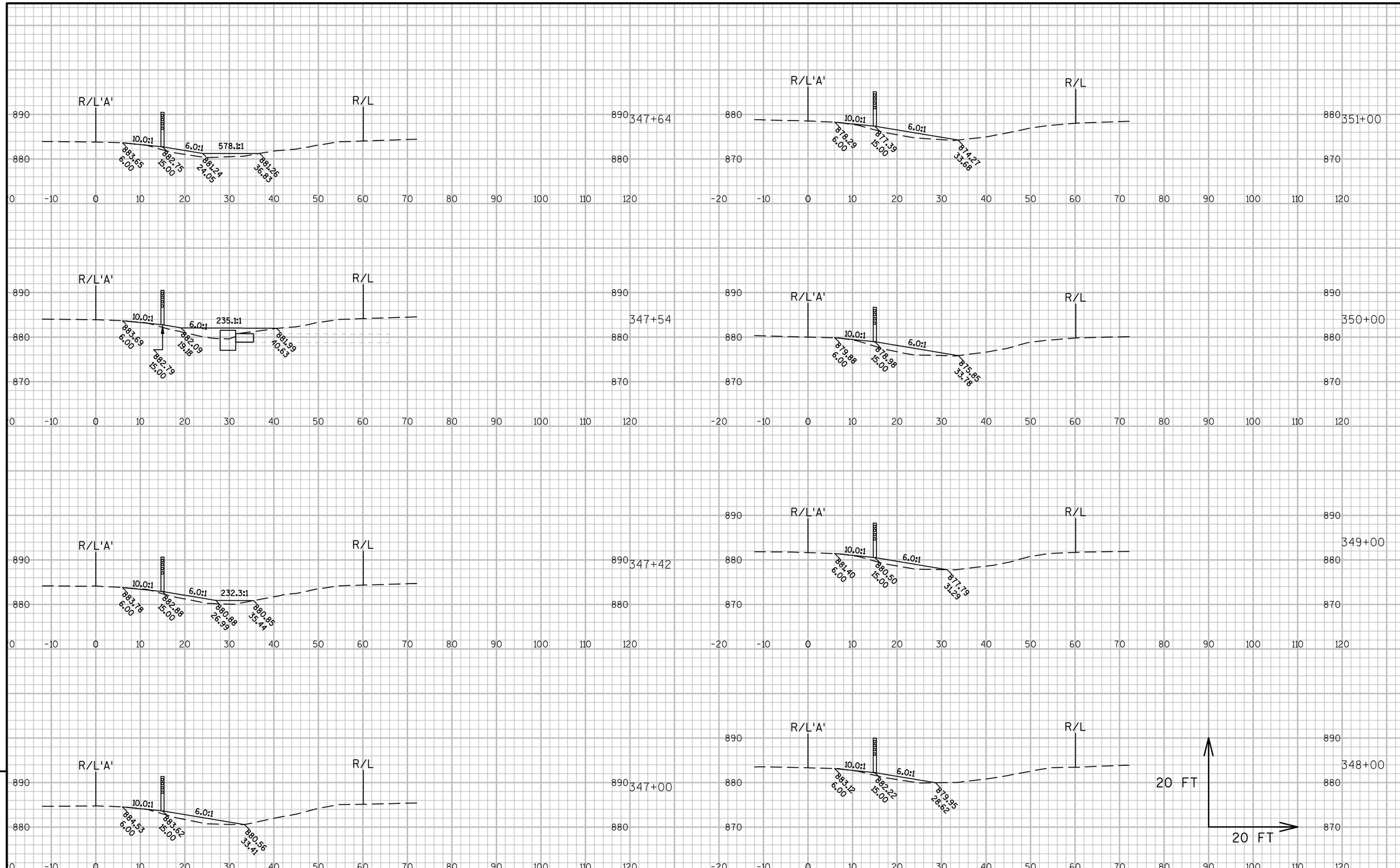
PROJECT NO:1016-02-60	HWY:IH 90/94	COUNTY:JUNEAU	CROSS SECTIONS: JUNEAU SOUTH	SHEET 171	E

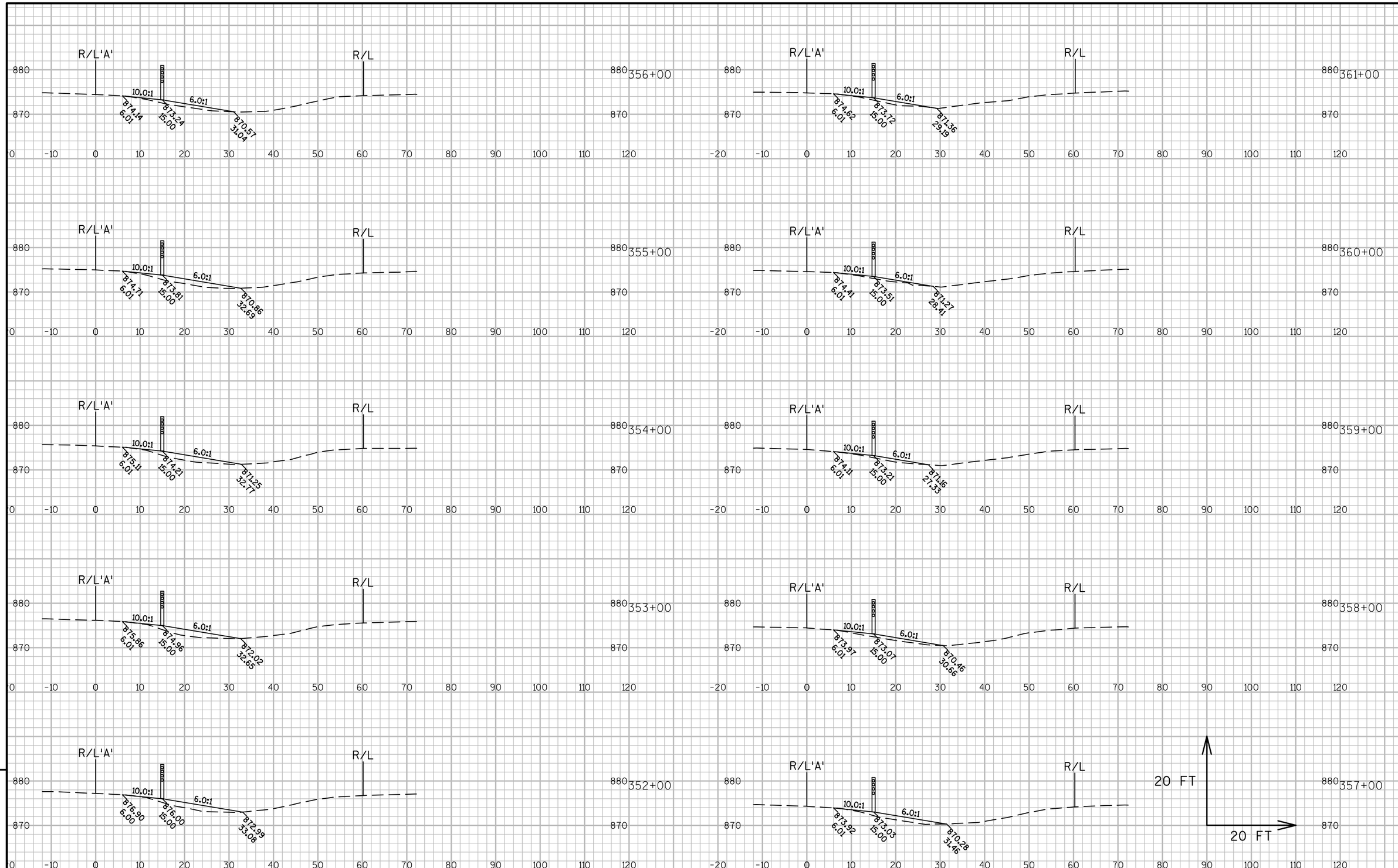
FILE NAME : N:\PDS\C3D\10160230\SHEETSPLAN\CROSS SECTIONS\090102_XS.DWG
LAYOUT NAME - (3)
PLOT DATE : 3/17/2016 12:58 PM PLOT BY : MECUM, BRANDYN W PLOT NAME : PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 49



PROJECT NO:1016-02-60	HWY:IH 90/94	COUNTY:JUNEAU	CROSS SECTIONS:JUNEAU SOUTH	SHEET 172	E

FILE NAME : N:\PDS\C3D\10160230\SHEETSPLAN\CROSS SECTIONS\090102_XS.DWG
LAYOUT NAME - (4)
PLOT DATE : 3/17/2016 12:58 PM PLOT BY : MECUM, BRANDYN W PLOT NAME : PLOT SCALE : 1 IN:20 FT



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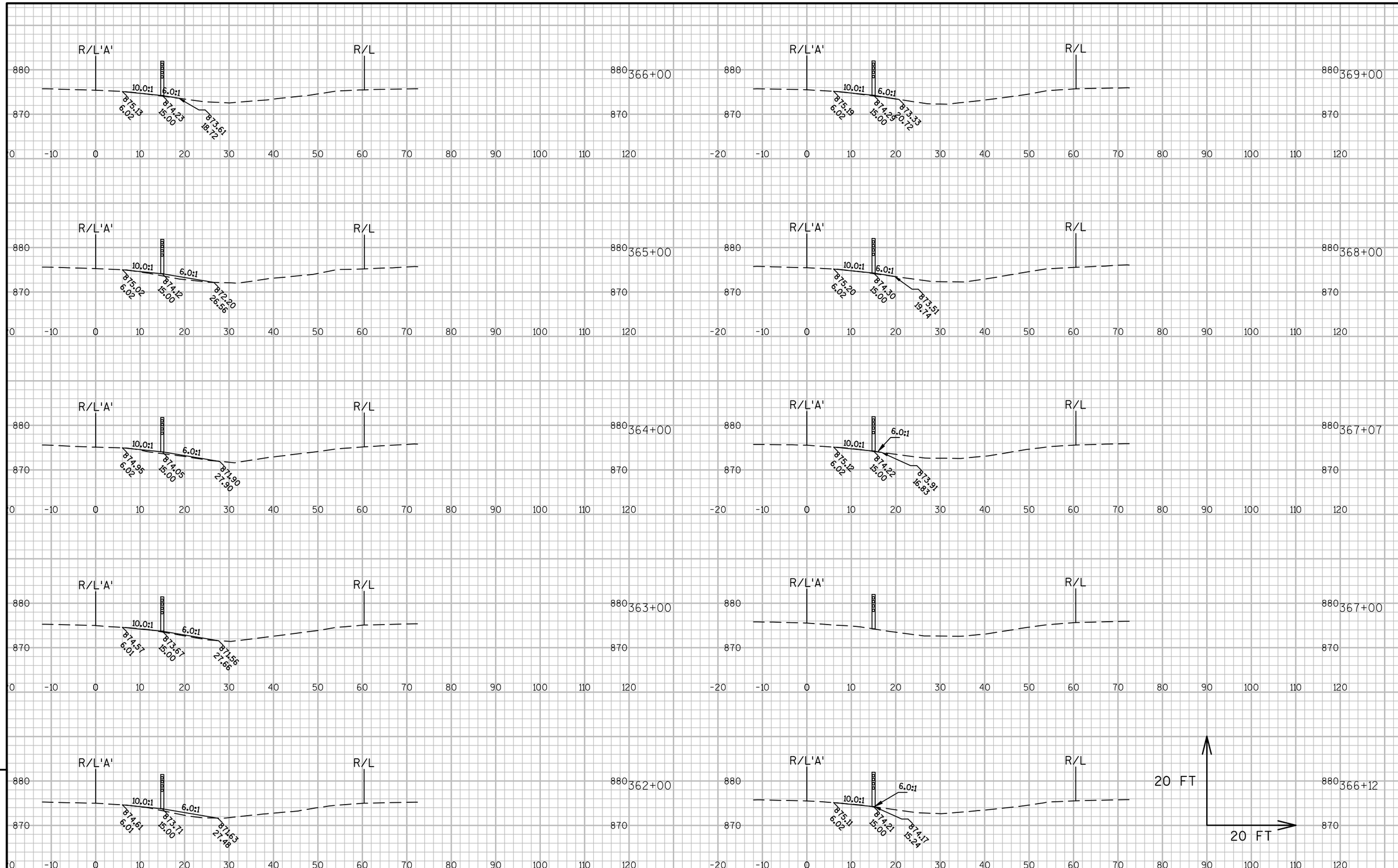
PROJECT NO:1016-02-60	HWY:IH 90/94	COUNTY:JUNEAU	CROSS SECTIONS: JUNEAU SOUTH	SHEET 173	E

FILE NAME : N:\PDS\C3D\10160230\SHEETSPLAN\CROSS SECTIONS\090102_XS.DWG
LAYOUT NAME - (5)
PLOT DATE : 3/17/2016 12:59 PM PLOT BY : MECUM, BRANDYN W PLOT NAME : PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 49



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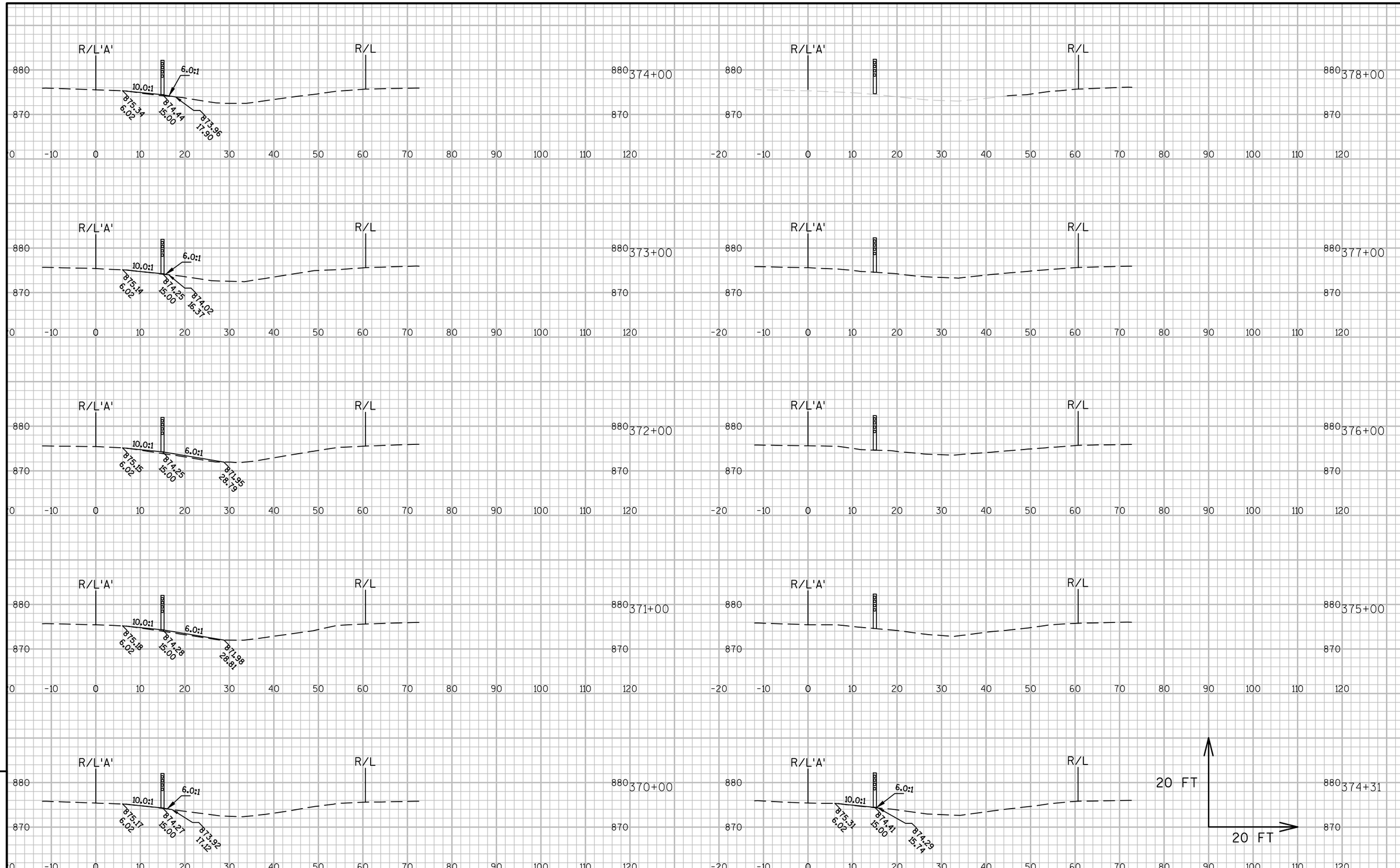
PROJECT NO:1016-02-60	HWY:IH 90/94	COUNTY:JUNEAU	CROSS SECTIONS:JUNEAU SOUTH	SHEET 174	E

FILE NAME : N:\PDS\C3D\10160230\SHEETSPLAN\CROSS SECTIONS\090102_XS.DWG
LAYOUT NAME - (6)

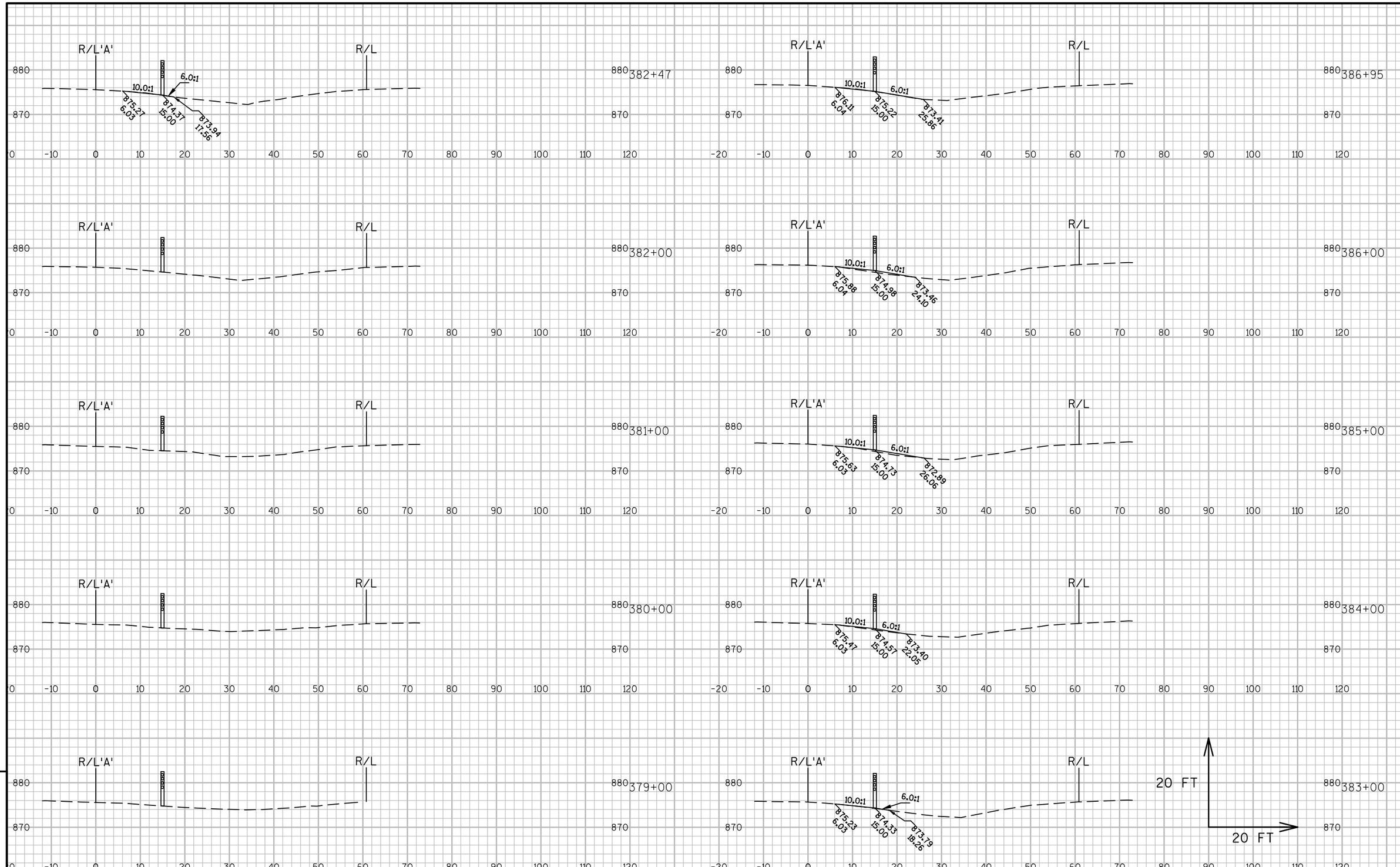
PLOT DATE : 3/17/2016 12:59 PM PLOT BY : MECUM, BRANDYN W PLOT NAME : PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 49



PROJECT NO:1016-02-60	HWY:IH 90/94	COUNTY:JUNEAU	CROSS SECTIONS:JUNEAU SOUTH	SHEET 175	E

FILE NAME : N:\PDS\C3D\10160230\SHEETSPLAN\CROSS SECTIONS\090102_XS.DWG
LAYOUT NAME - (7)
PLOT DATE : 3/17/2016 12:59 PM PLOT BY : MECUM, BRANDYN W PLOT NAME : PLOT SCALE : 1 IN:20 FT



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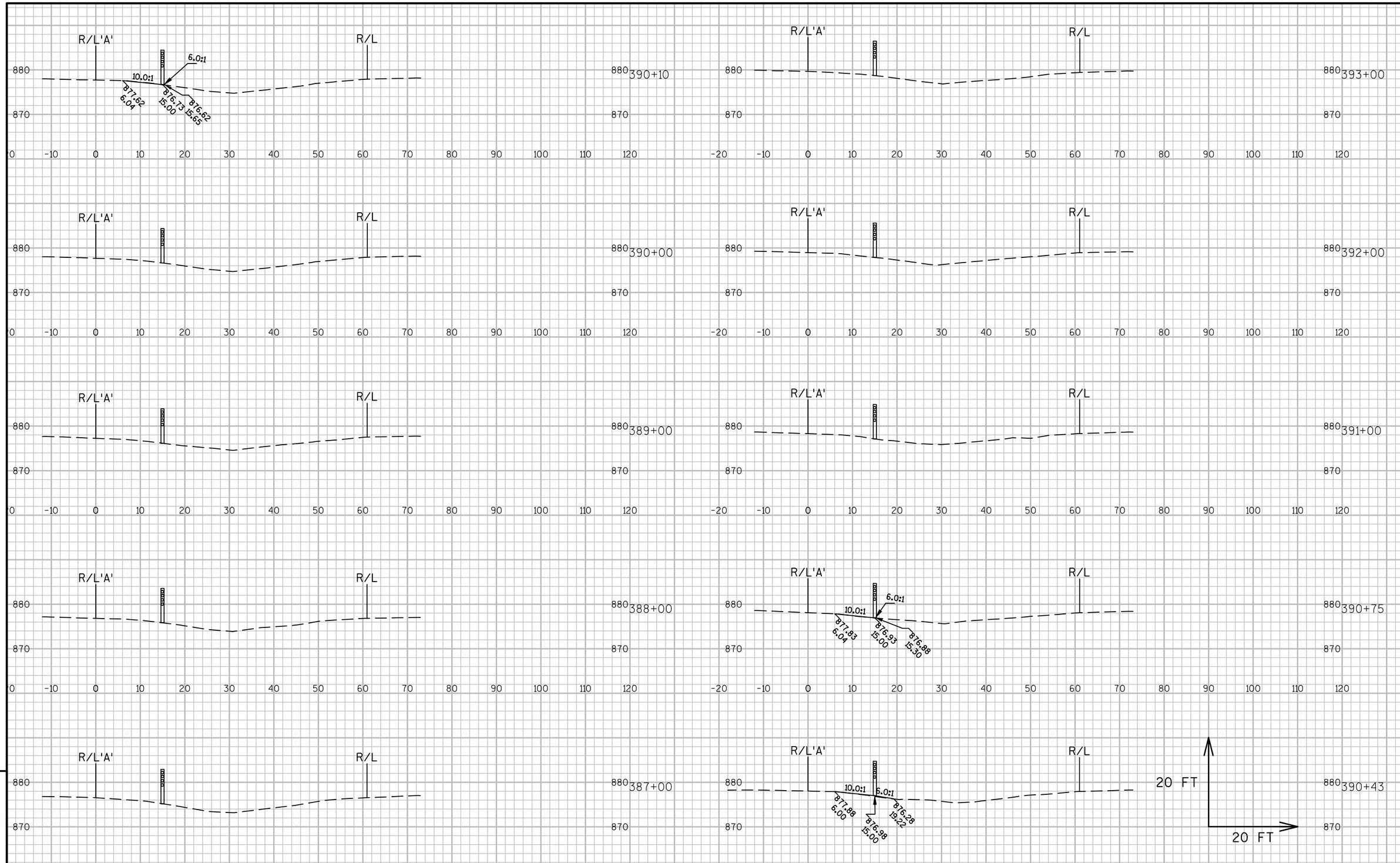
PROJECT NO:1016-02-60	HWY:IH 90/94	COUNTY:JUNEAU	CROSS SECTIONS: JUNEAU SOUTH	SHEET 176	E

FILE NAME : N:\PDS\C3D\10160230\SHEETSPLAN\CROSS SECTIONS\090102_XS.DWG
LAYOUT NAME - (8)
PLOT DATE : 3/17/2016 1:00 PM PLOT BY : MECUM, BRANDYN W PLOT NAME : PLOT SCALE : 1 IN:20 FT



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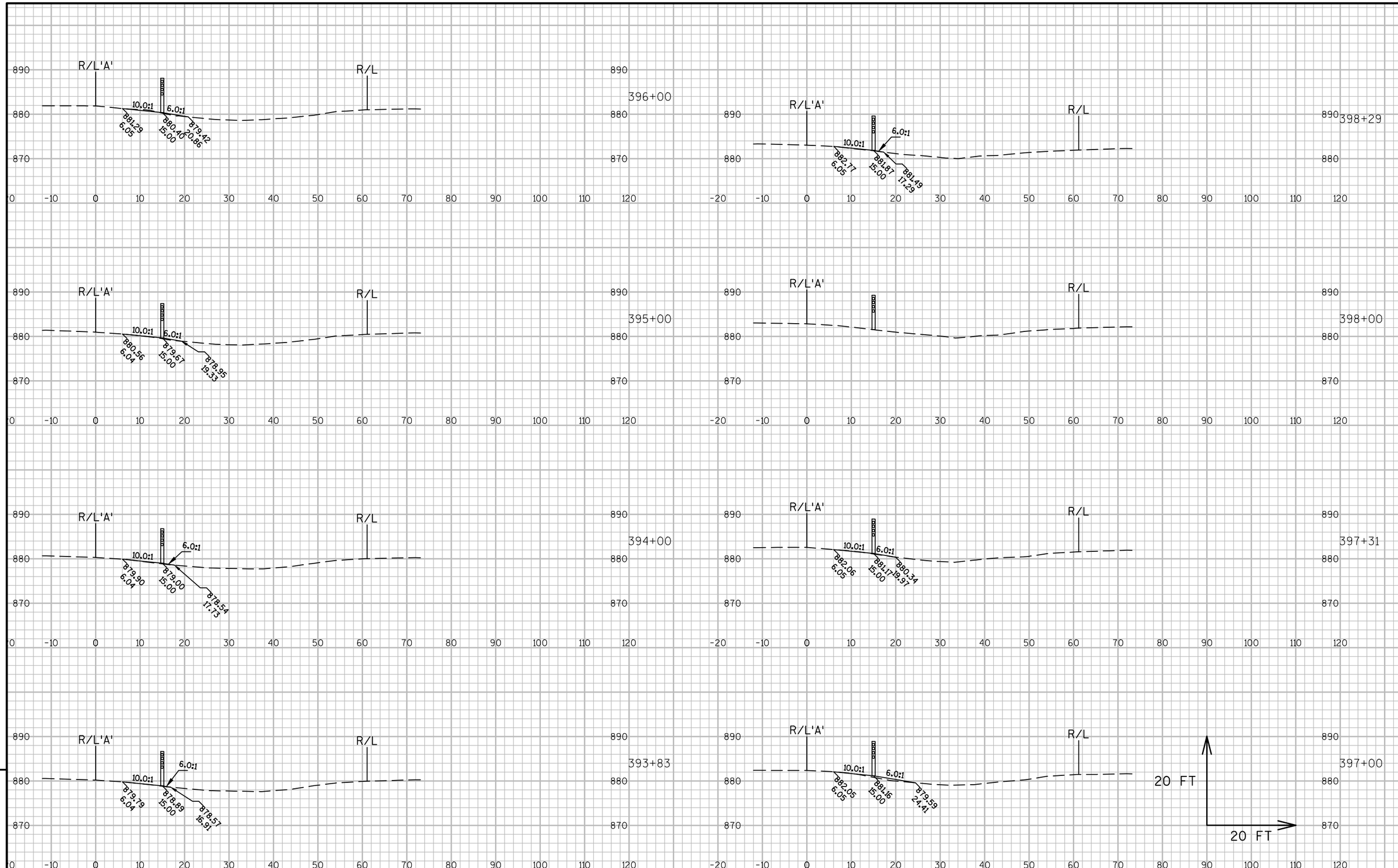
PROJECT NO:1016-02-60	HWY:IH 90/94	COUNTY:JUNEAU	CROSS SECTIONS:JUNEAU SOUTH	SHEET 177	E

FILE NAME : N:\PDS\C3D\10160230\SHEETSPLAN\CROSS SECTIONS\090102_XS.DWG
LAYOUT NAME - (9)
PLOT DATE : 3/17/2016 1:00 PM PLOT BY : MECUM, BRANDYN W PLOT NAME : PLOT SCALE : 1 IN:20 FT



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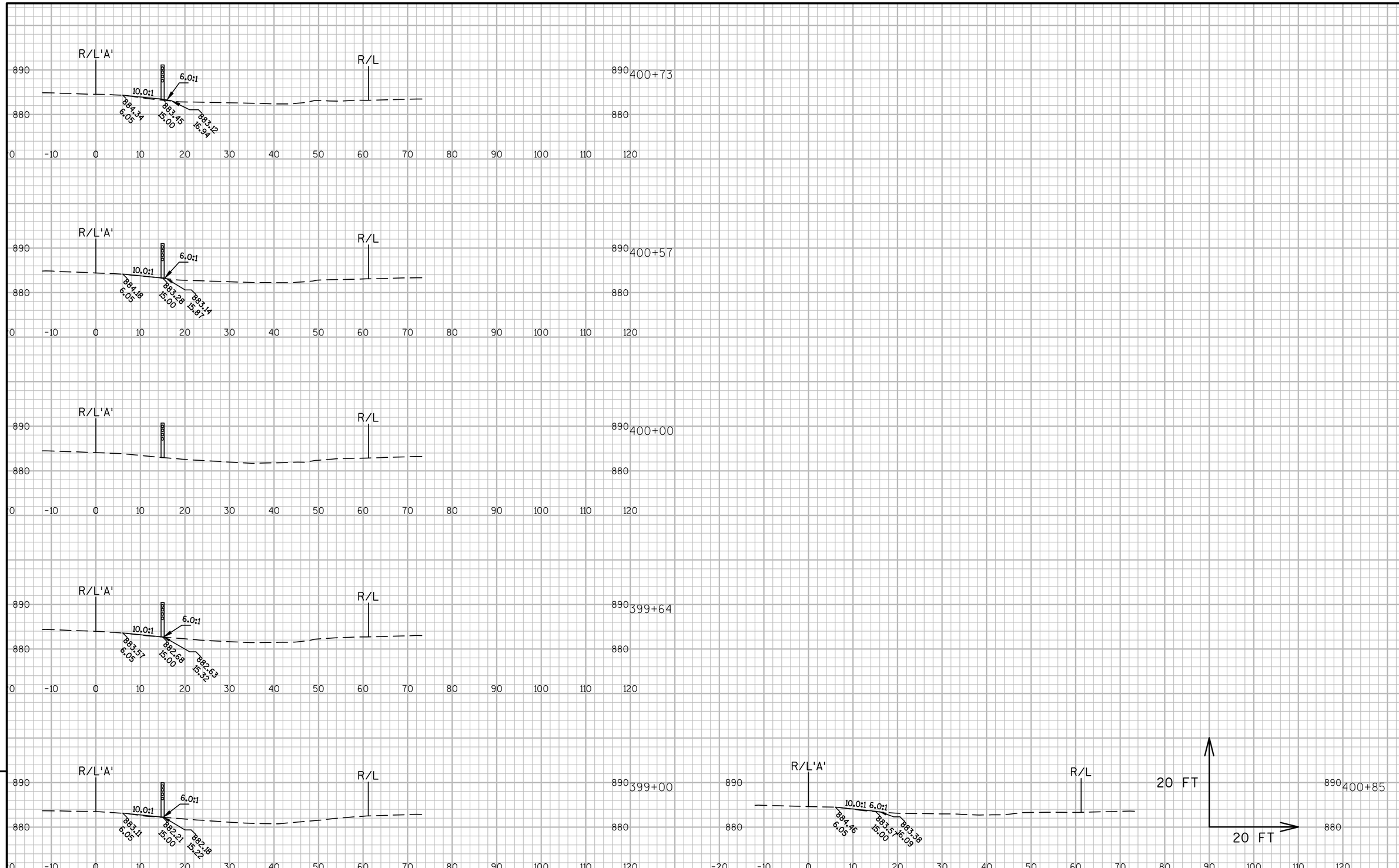
9

PROJECT NO:1016-02-60	HWY:IH 90/94	COUNTY:JUNEAU	CROSS SECTIONS: JUNEAU SOUTH	SHEET 178	E

FILE NAME : N:\PDS\C3D\10160230\SHEETSPLAN\CROSS SECTIONS\090102_XS.DWG
LAYOUT NAME - (10)

PLOT DATE : 3/17/2016 1:01 PM PLOT BY : MECUM, BRANDYN W PLOT NAME : PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 49



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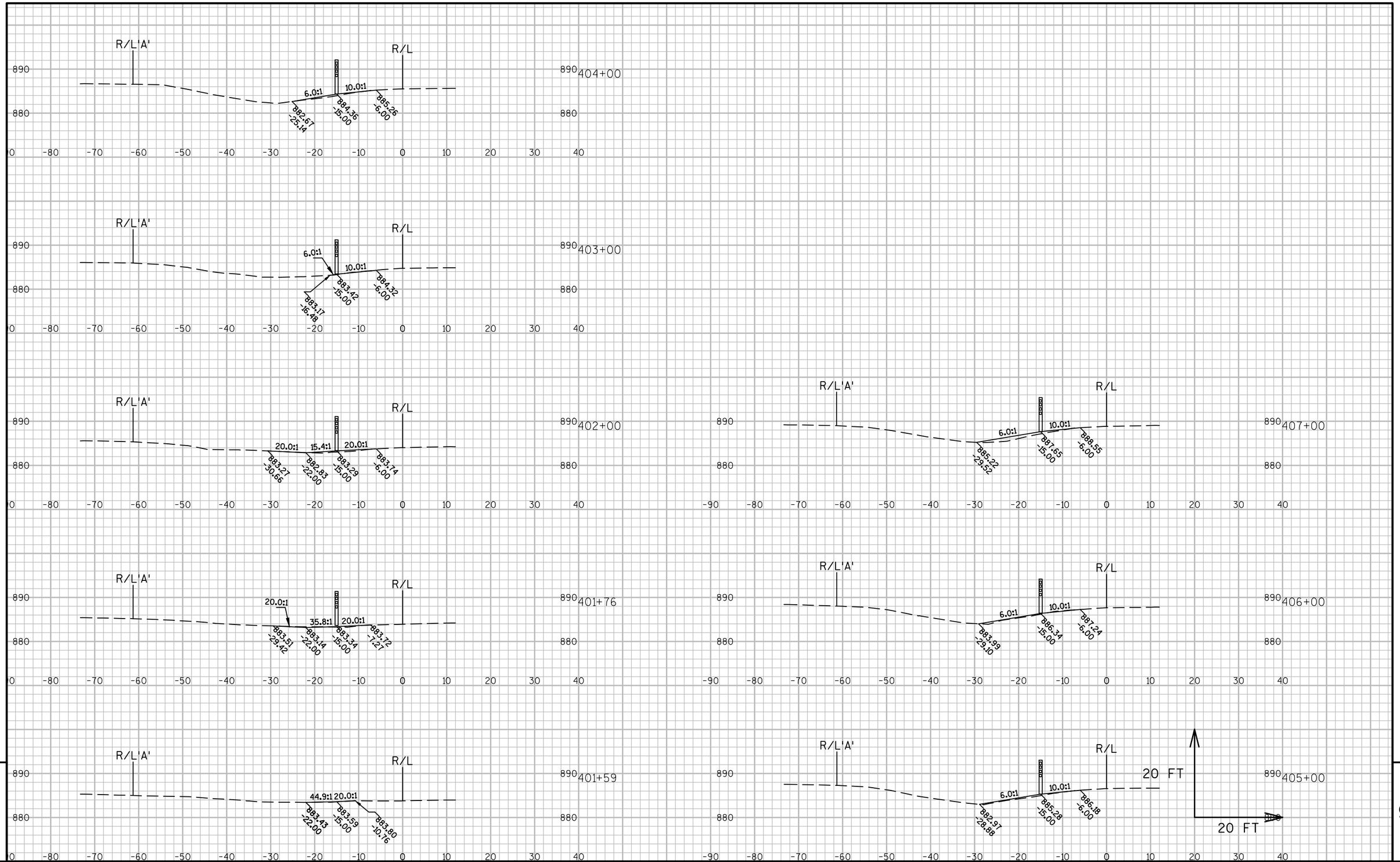
PROJECT NO:1016-02-60	HWY:IH 90/94	COUNTY:JUNEAU	CROSS SECTIONS:JUNEAU SOUTH	SHEET 179	E

FILE NAME : N:\PDS\C3D\10160230\SHEETSPLAN\CROSS SECTIONS\090102_XS.DWG
LAYOUT NAME - (11)

PLOT DATE : 3/17/2016 1:01 PM PLOT BY : MECUM, BRANDYN W PLOT NAME : PLOT SCALE : 1 IN:20 FT



9

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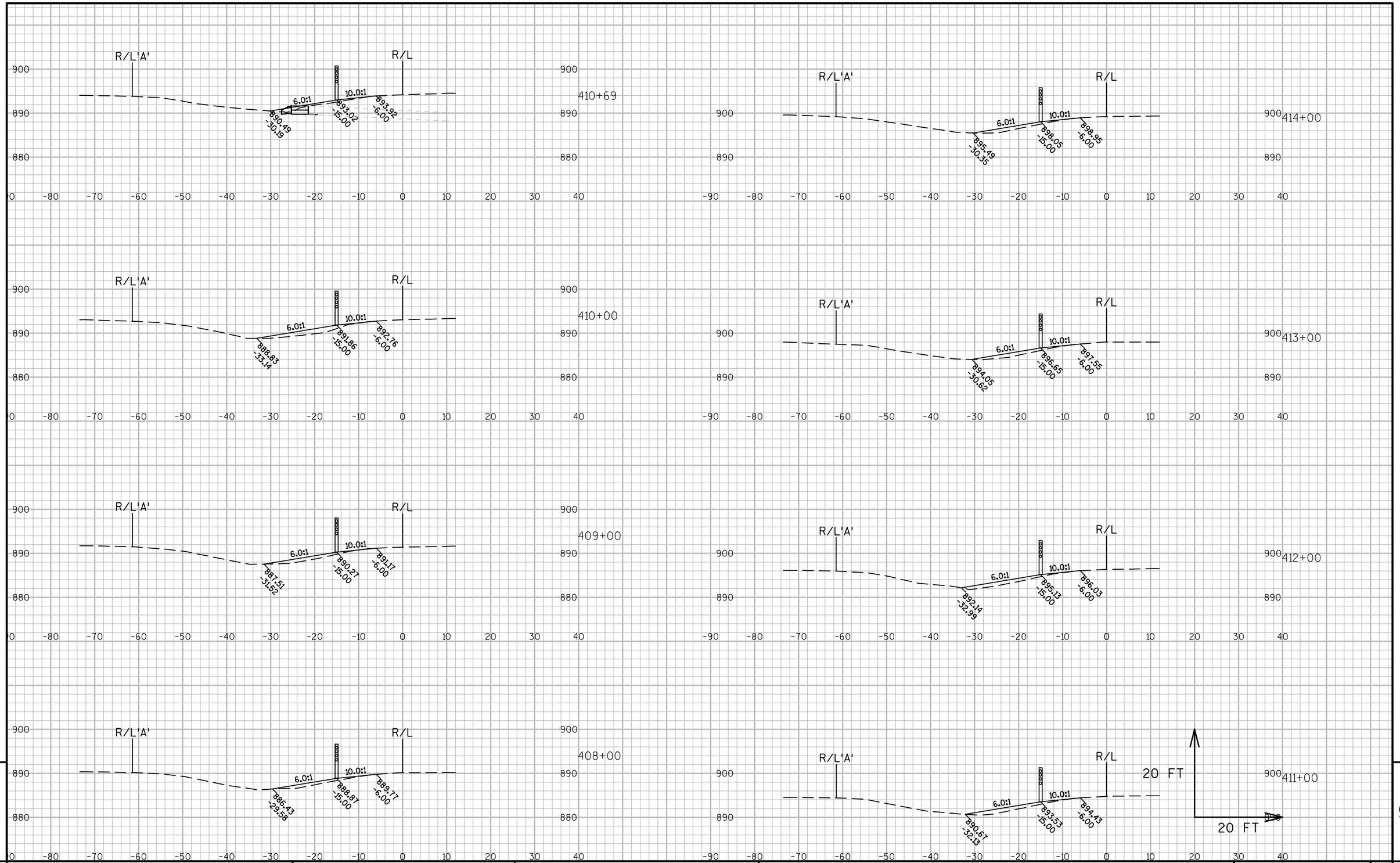
PROJECT NO:1016-02-60	HWY:IH 90/94	COUNTY:JUNEAU	CROSS SECTIONS:JUNEAU SOUTH	SHEET 180	E

FILE NAME : N:\PDS\C3D\10160230\SHEETSPLAN\CROSS SECTIONS\090103_XS.DWG
LAYOUT NAME - (1)

PLOT DATE : 3/17/2016 3:30 PM PLOT BY : MECUM, BRANDYN W PLOT NAME : PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 49



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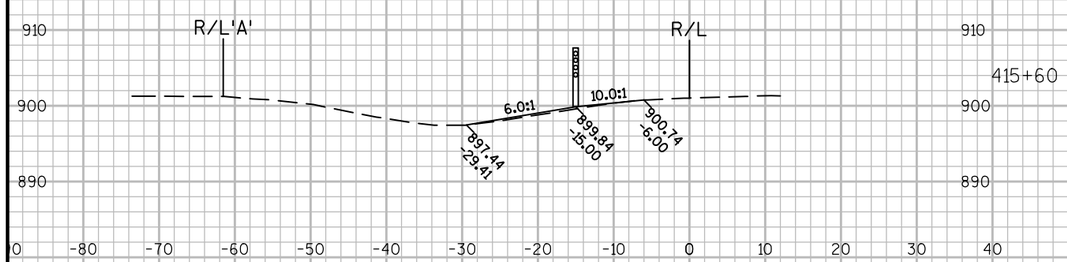
PROJECT NO:1016-02-60	HWY:IH 90/94	COUNTY:JUNEAU	CROSS SECTIONS:JUNEAU SOUTH	SHEET 181	E

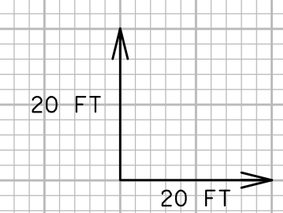
FILE NAME : N:\PDS\C3D\10160230\SHEETSPLAN\CROSS SECTIONS\090103_XS.DWG
LAYOUT NAME - (2)
PLOT DATE : 3/17/2016 3:31 PM PLOT BY : MECUM, BRANDYN W PLOT NAME : PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 49



415+60

415+00



9

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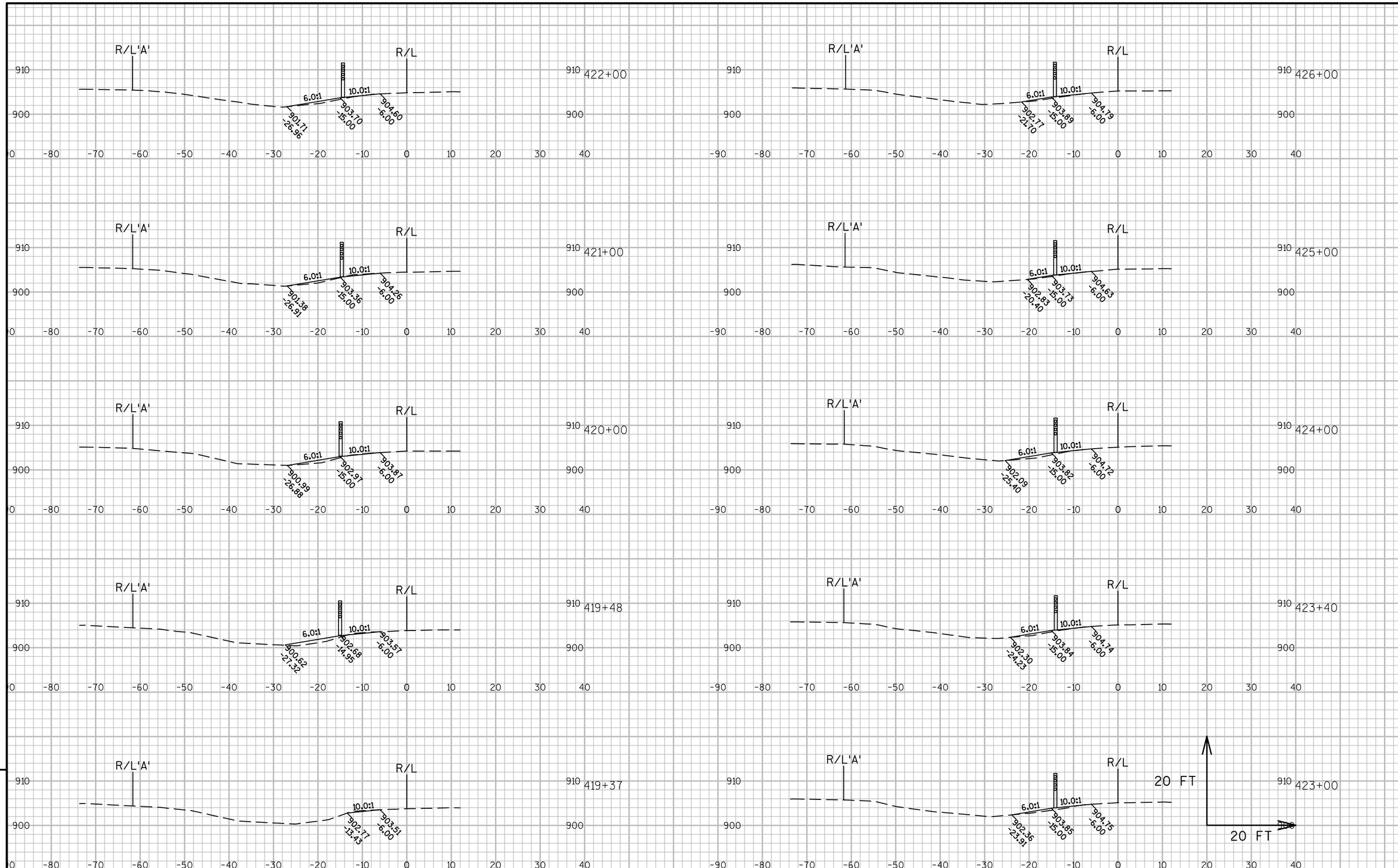
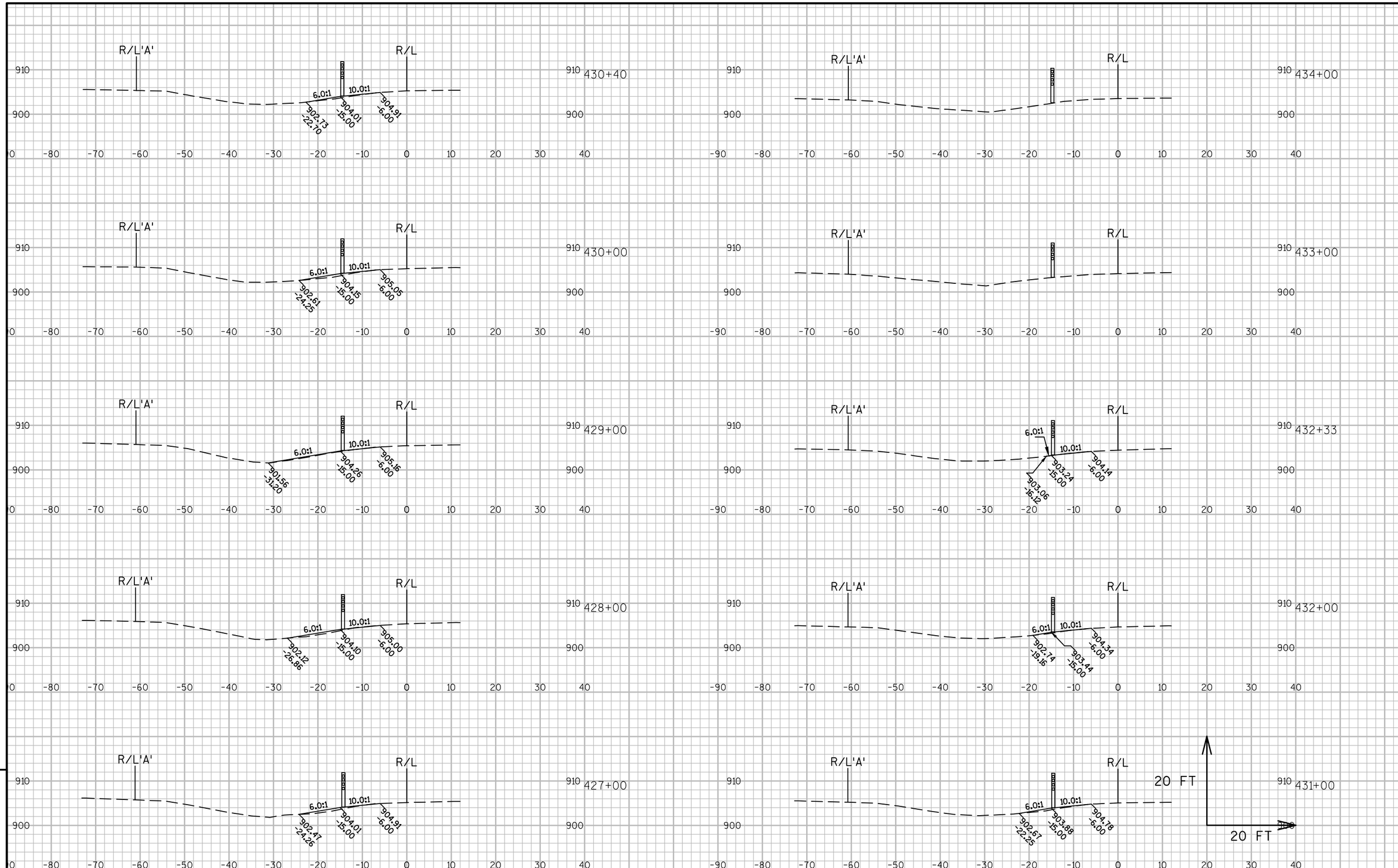
PROJECT NO:1016-02-60	HWY:IH 90/94	COUNTY:JUNEAU	CROSS SECTIONS:JUNEAU SOUTH	SHEET 182	E



PROJECT NO:1016-02-60	HWY:IH 90/94	COUNTY:JUNEAU	CROSS SECTIONS:JUNEAU SOUTH	SHEET 183	E

FILE NAME : N:\PDS\C3D\10160230\SHEETSPLAN\CROSS SECTIONS\090103_XS.DWG
LAYOUT NAME - 1
PLOT DATE : 3/17/2016 3:32 PM PLOT BY : MECUM, BRANDYN W PLOT NAME : PLOT SCALE : 1 IN:20 FT



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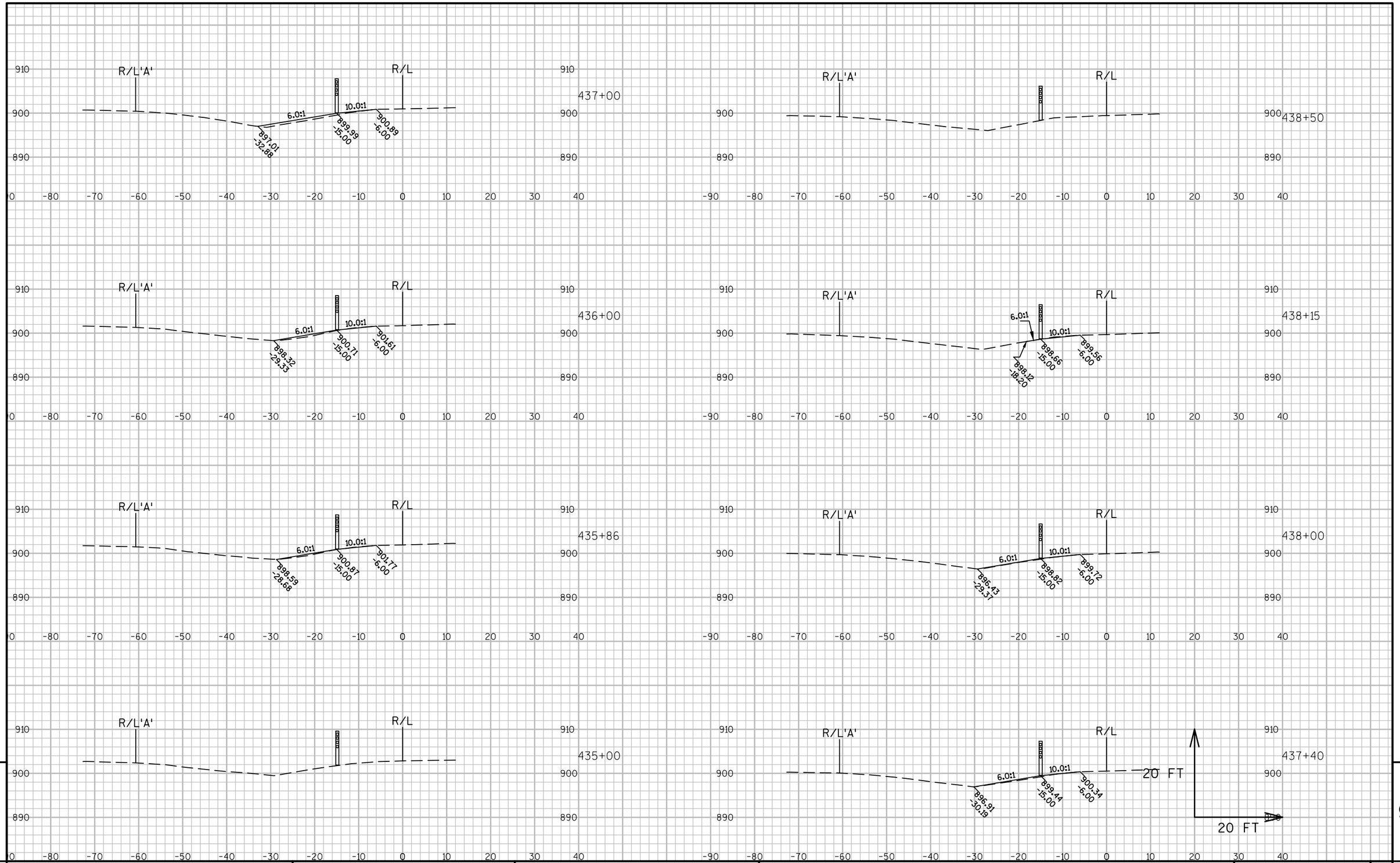
PROJECT NO:1016-02-60	HWY:IH 90/94	COUNTY:JUNEAU	CROSS SECTIONS: JUNEAU SOUTH	SHEET 184	E

FILE NAME : N:\PDS\C3D\10160230\SHEETSPLAN\CROSS SECTIONS\090103_XS.DWG
LAYOUT NAME - 2

PLOT DATE : 3/17/2016 3:32 PM PLOT BY : MECUM, BRANDYN W PLOT NAME : PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 49



9

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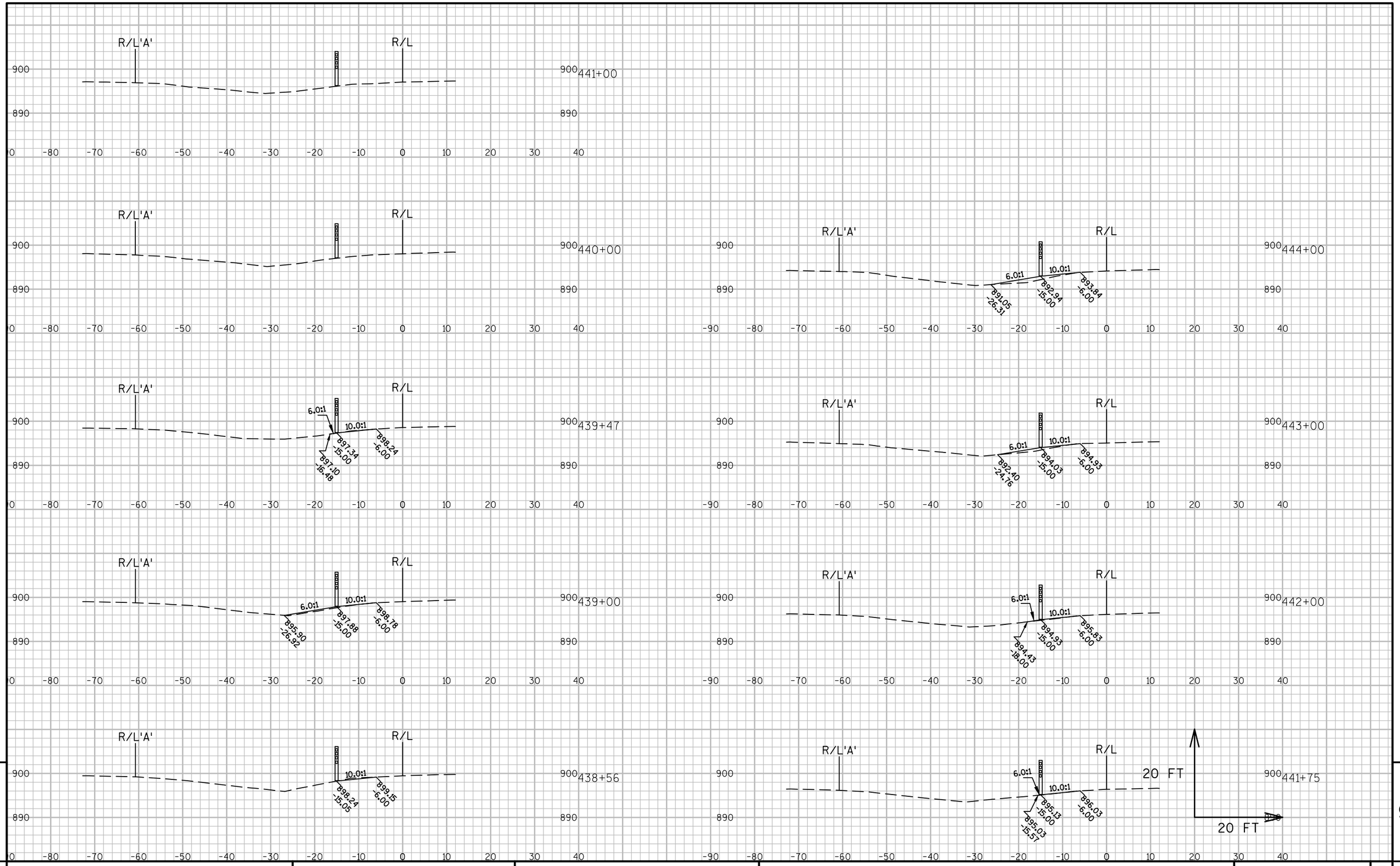
PROJECT NO:1016-02-60	HWY:IH 90/94	COUNTY:JUNEAU	CROSS SECTIONS:JUNEAU SOUTH	SHEET 185	E

FILE NAME : N:\PDS\C3D\10160230\SHEETSPLAN\CROSS SECTIONS\090103_XS.DWG
LAYOUT NAME - 3

PLOT DATE : 3/17/2016 3:32 PM PLOT BY : MECUM, BRANDYN W PLOT NAME : PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 49



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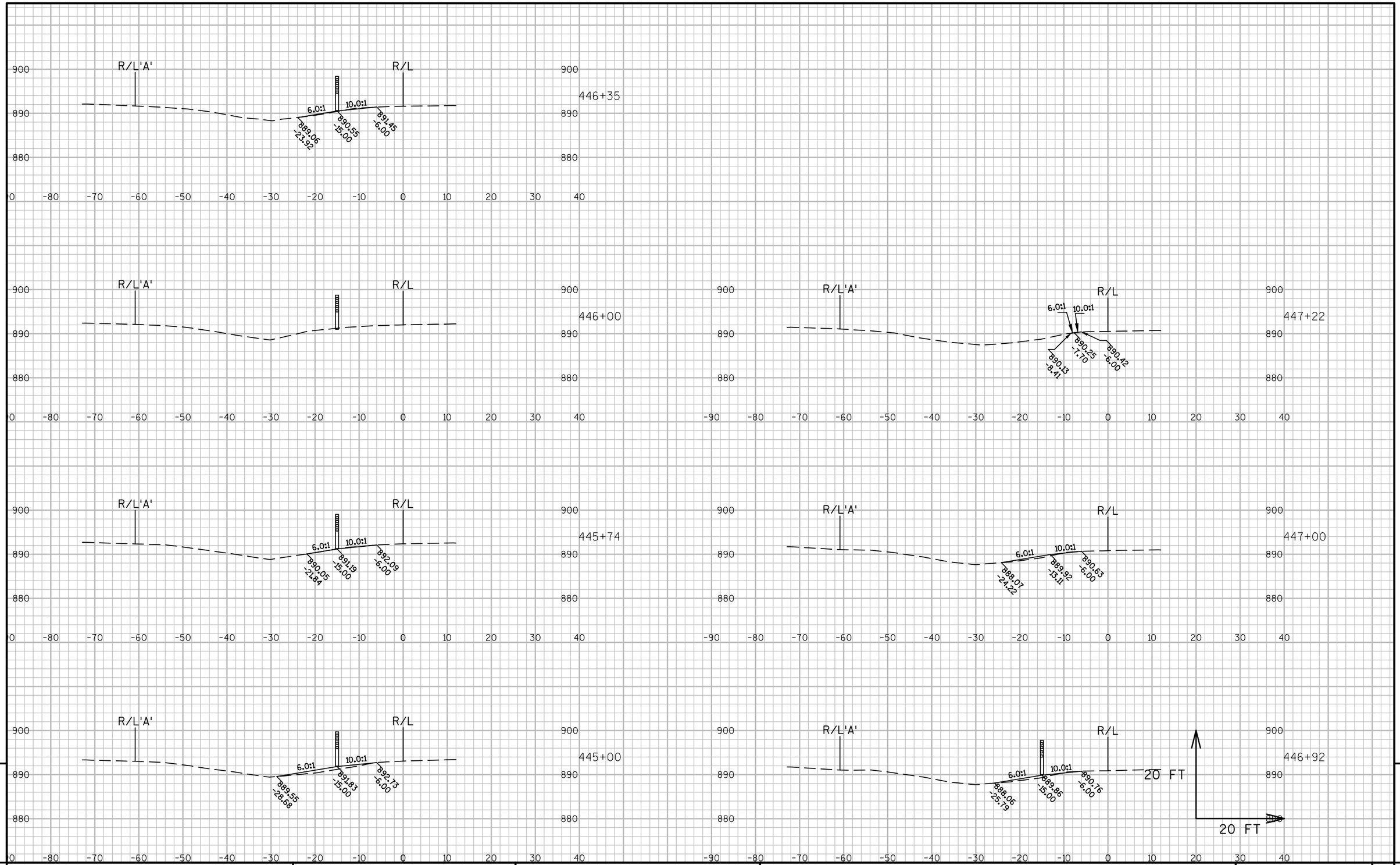
PROJECT NO:1016-02-60	HWY:IH 90/94	COUNTY:JUNEAU	CROSS SECTIONS: JUNEAU SOUTH	SHEET 186	E

FILE NAME : N:\PDS\C3D\10160230\SHEETSPLAN\CROSS SECTIONS\090103_XS.DWG
LAYOUT NAME - 4

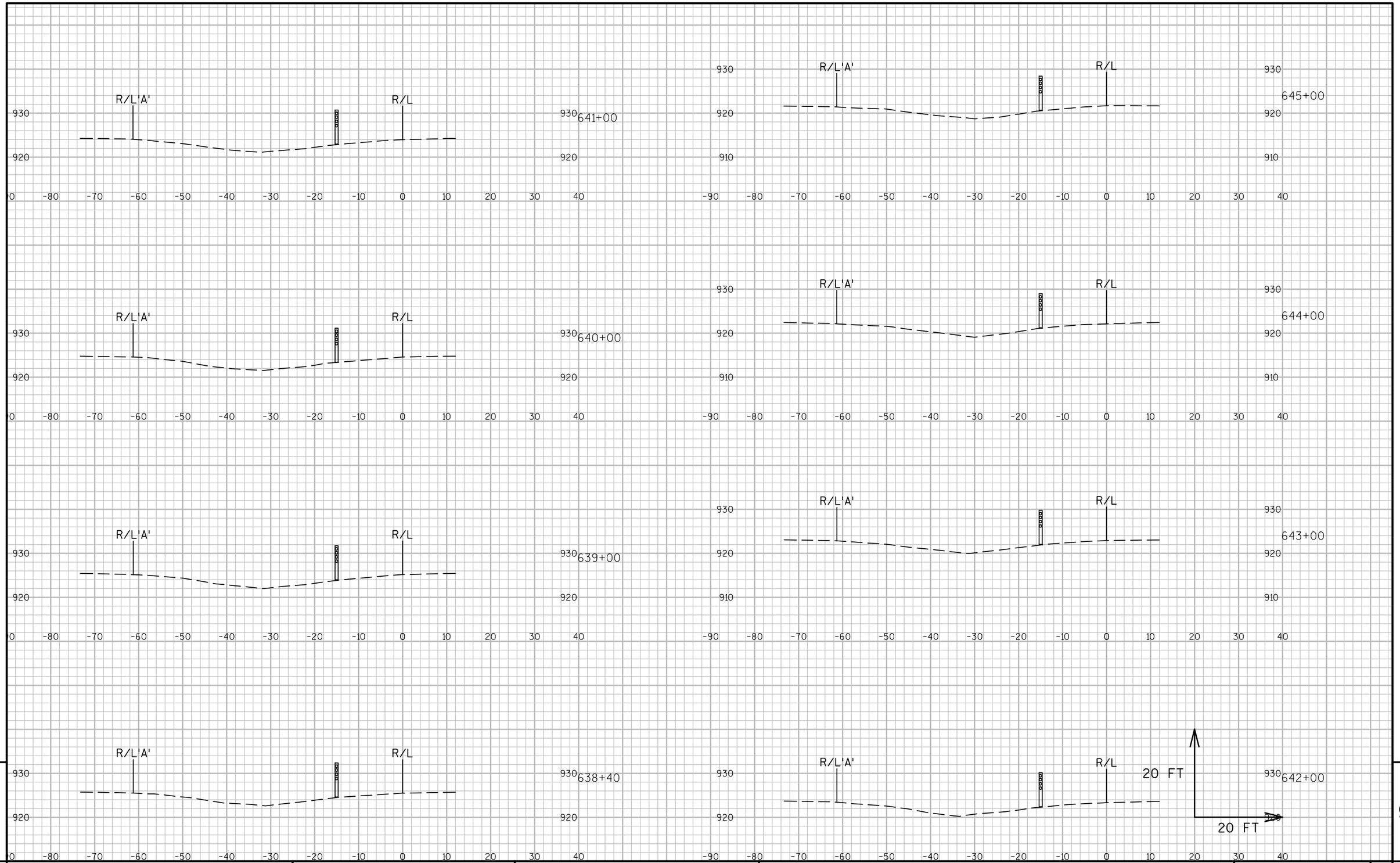
PLOT DATE : 3/17/2016 3:33 PM PLOT BY : MECUM, BRANDYN W PLOT NAME : PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 49



PROJECT NO:1016-02-60	HWY:IH 90/94	COUNTY:JUNEAU	CROSS SECTIONS:JUNEAU SOUTH	SHEET 187	E

FILE NAME : N:\PDS\C3D\10160230\SHEETSPLAN\CROSS SECTIONS\090103_XS.DWG
LAYOUT NAME - 5
PLOT DATE : 3/17/2016 3:33 PM PLOT BY : MECUM, BRANDYN W PLOT NAME : PLOT SCALE : 1 IN:20 FT



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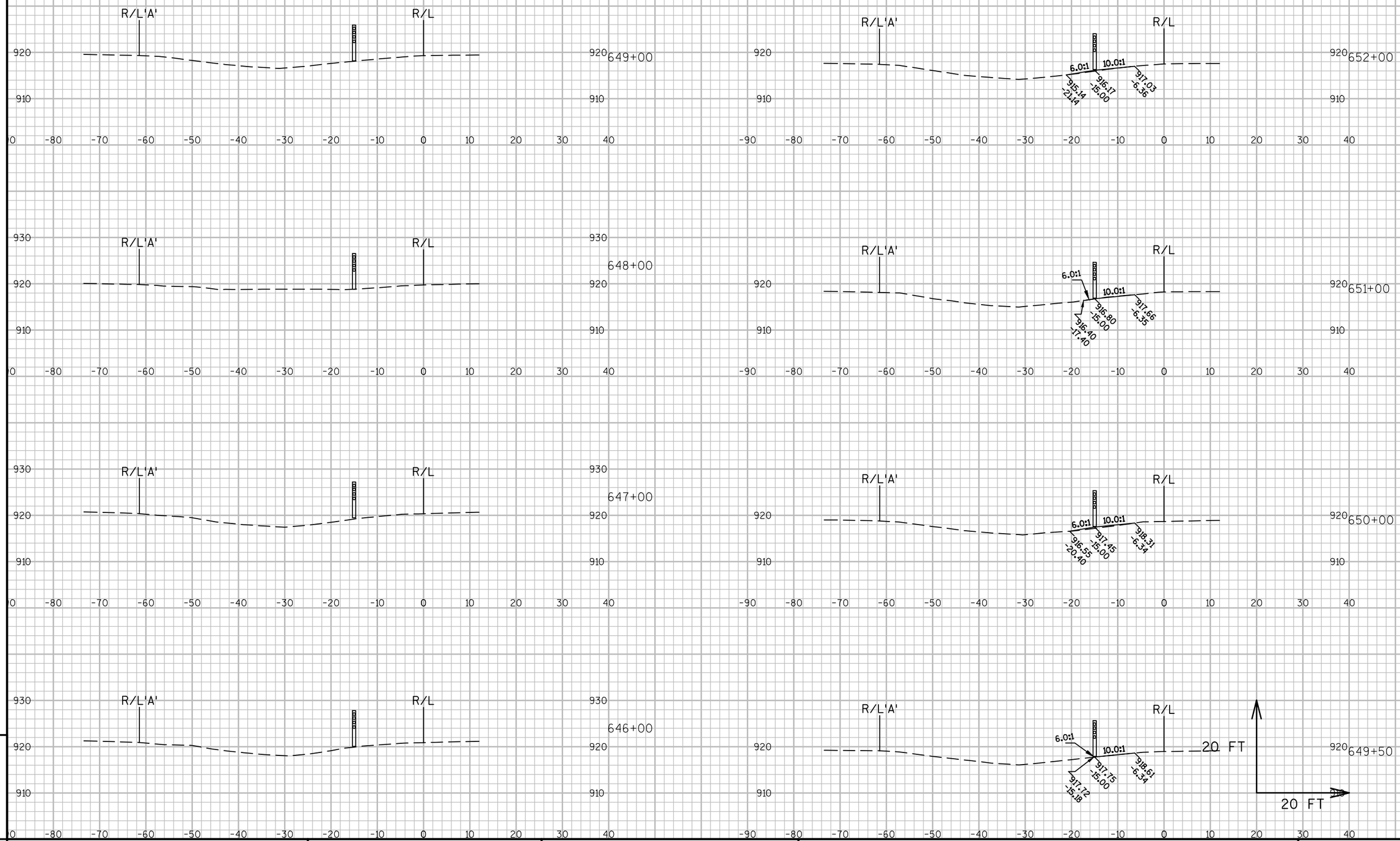
9

PROJECT NO:1016-02-60	HWY:IH 90/94	COUNTY:SAUK	CROSS SECTIONS:SAUK NORTH	SHEET 188	E

FILE NAME : N:\PDS\C3D\10160230\SHEETSPLAN\CROSS SECTIONS\090104_XS.DWG
LAYOUT NAME - (1)
PLOT DATE : 3/18/2016 7:38 AM PLOT BY : MECUM, BRANDYN W PLOT NAME : PLOT SCALE : 1 IN:20 FT



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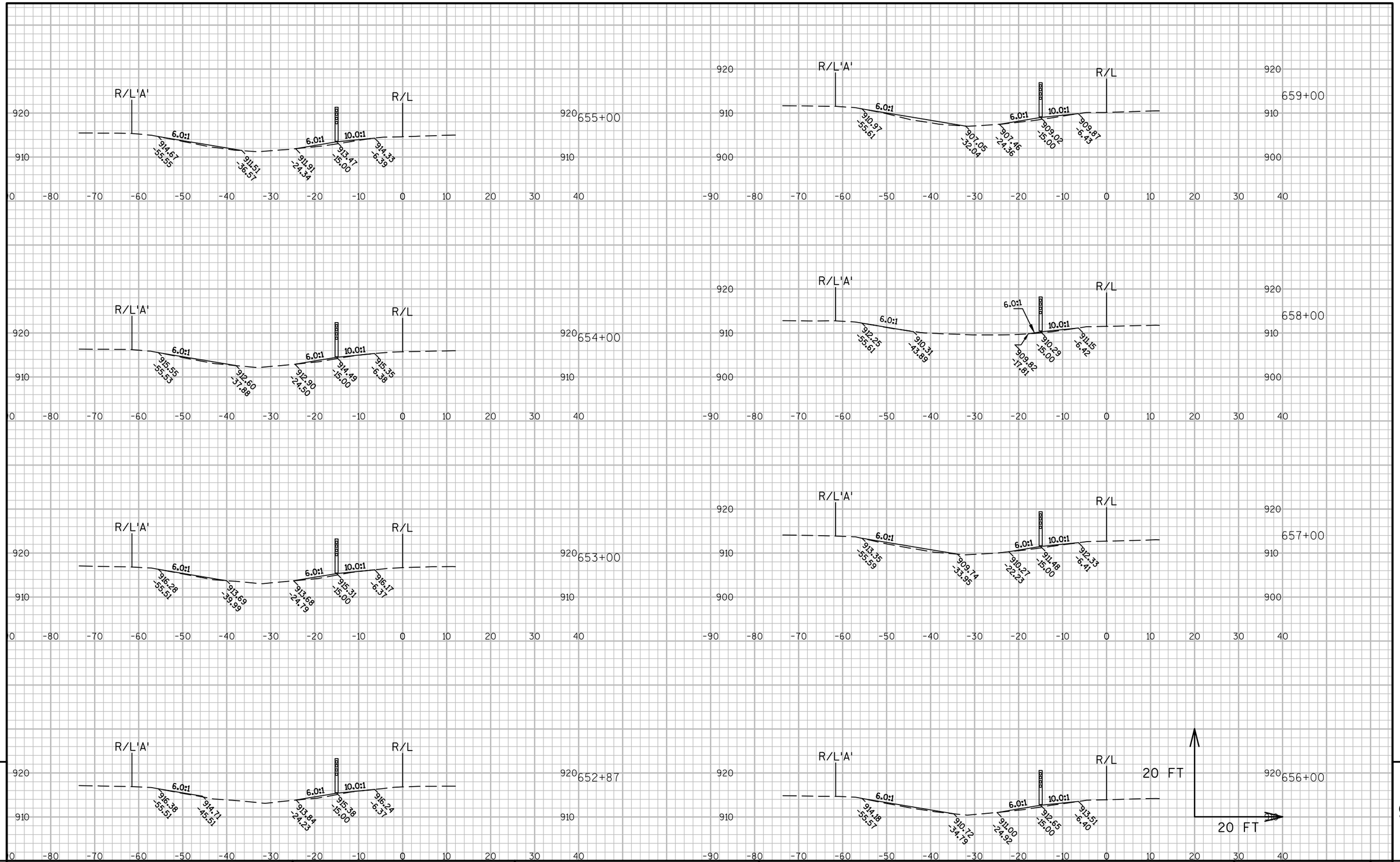
9

PROJECT NO:1016-02-60	HWY:IH 90/94	COUNTY:SAUK	CROSS SECTIONS:SAUK NORTH	SHEET 189	E

FILE NAME : N:\PDS\C3D\10160230\SHEETSPLAN\CROSS SECTIONS\090104_XS.DWG
LAYOUT NAME - (2)
PLOT DATE : 3/18/2016 7:38 AM PLOT BY : MECUM, BRANDYN W PLOT NAME : PLOT SCALE : 1 IN:20 FT



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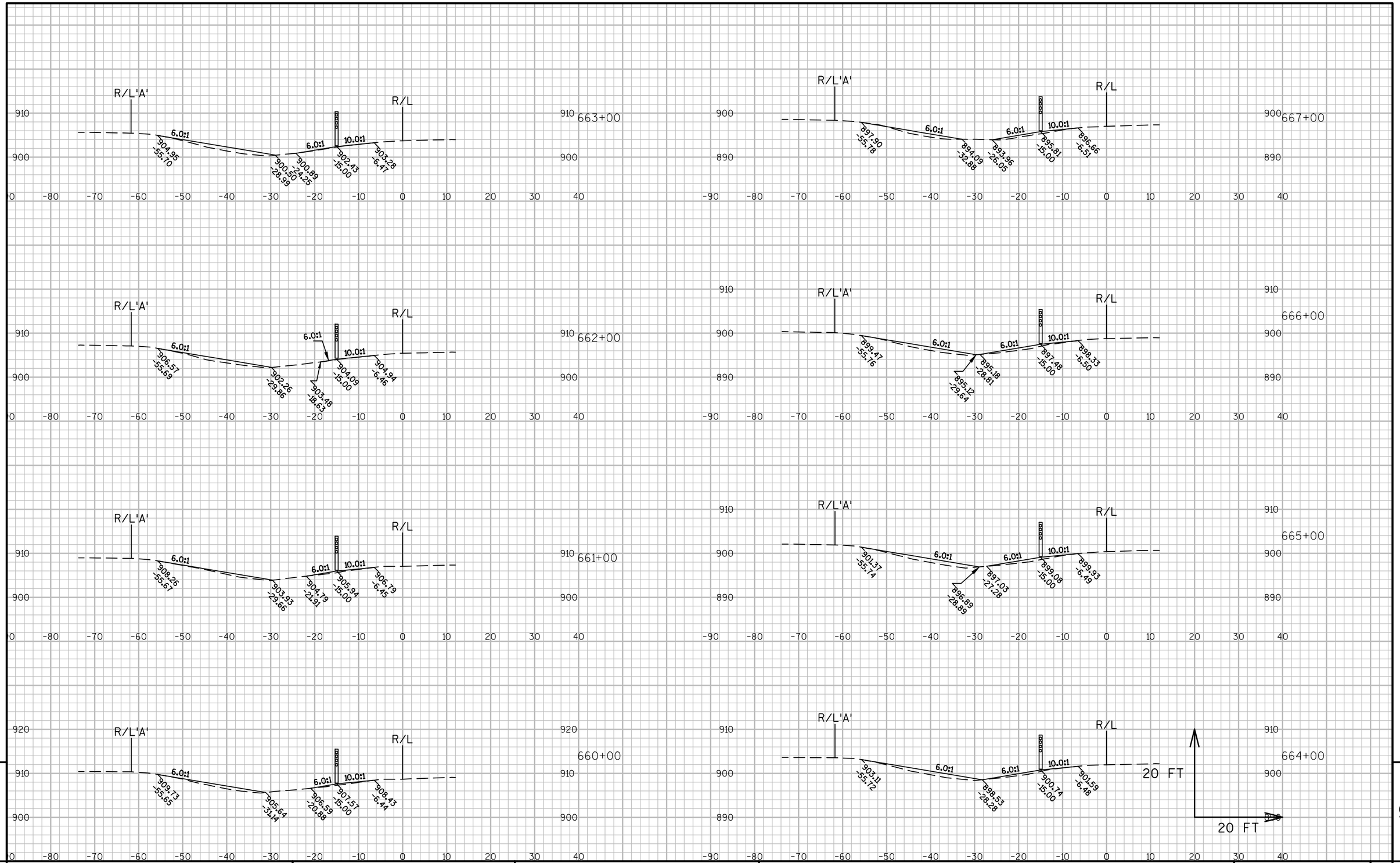
9

PROJECT NO:1016-02-60	HWY:IH 90/94	COUNTY:SAUK	CROSS SECTIONS:SAUK NORTH	SHEET 190	E

FILE NAME : N:\PDS\C3D\10160230\SHEETSPLAN\CROSS SECTIONS\090104_XS.DWG
LAYOUT NAME - (3)
PLOT DATE : 3/18/2016 7:39 AM PLOT BY : MECUM, BRANDYN W PLOT NAME : PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 49



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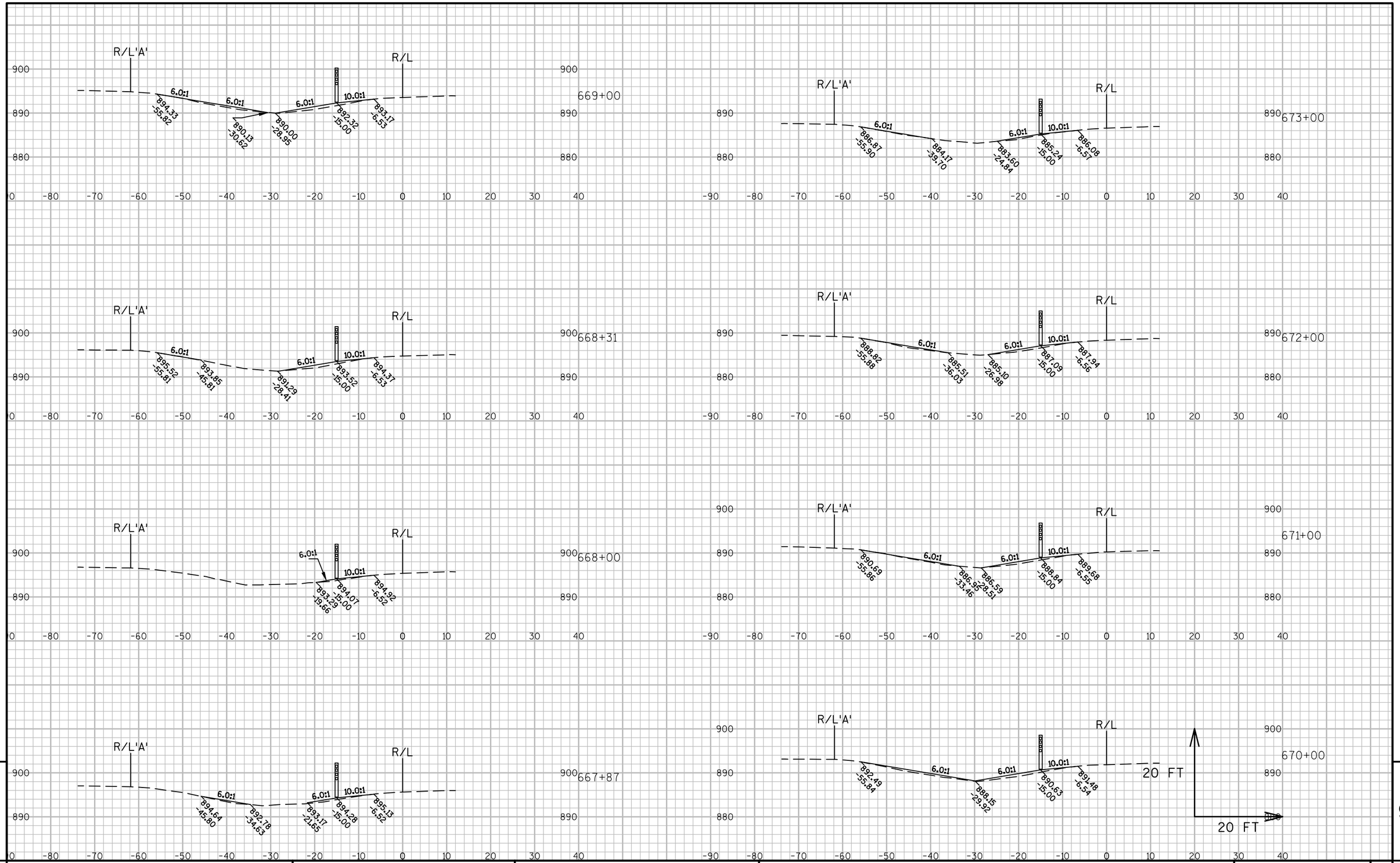
9

PROJECT NO:1016-02-60	HWY:IH 90/94	COUNTY:SAUK	CROSS SECTIONS:SAUK NORTH	SHEET 191	E

FILE NAME : N:\PDS\C3D\10160230\SHEETSPLAN\CROSS SECTIONS\090104_XS.DWG
LAYOUT NAME - (4)
PLOT DATE : 3/18/2016 7:39 AM PLOT BY : MECUM, BRANDYN W PLOT NAME : PLOT SCALE : 1 IN:20 FT



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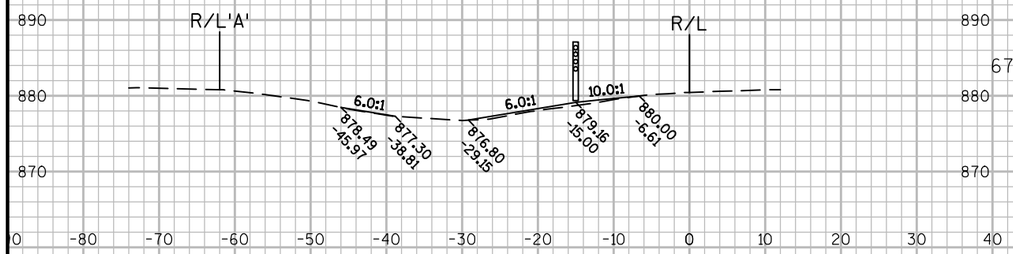
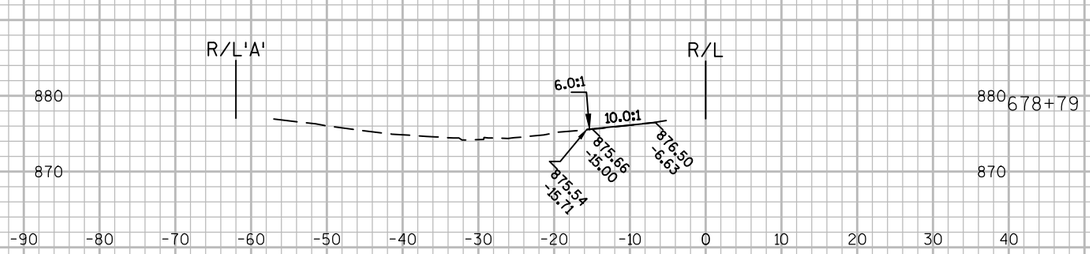
PROJECT NO:1016-02-60	HWY:IH 90/94	COUNTY:SAUK	CROSS SECTIONS:SAUK NORTH	SHEET 192	E

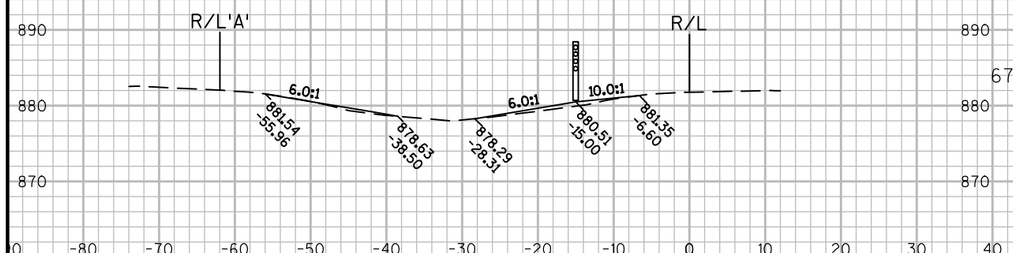
FILE NAME : N:\PDS\C3D\10160230\SHEETSPLAN\CROSS SECTIONS\090104_XS.DWG
LAYOUT NAME - (5)
PLOT DATE : 3/18/2016 7:39 AM PLOT BY : MECUM, BRANDYN W PLOT NAME : PLOT SCALE : 1 IN:20 FT



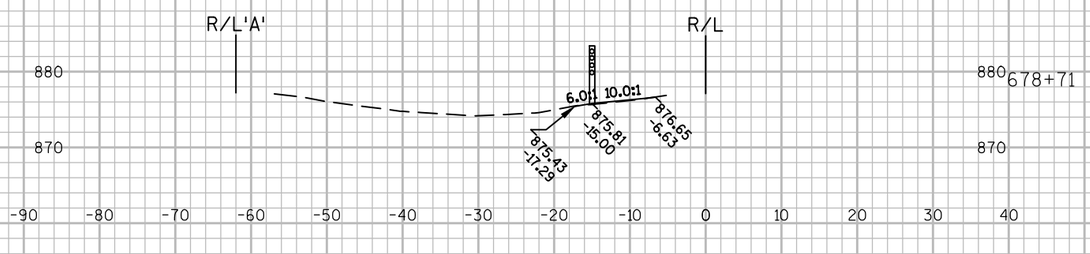
676+77



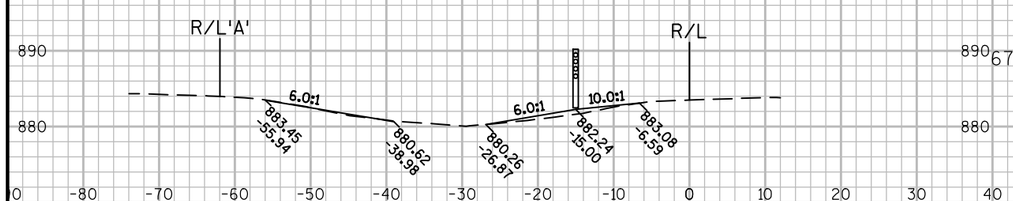
678+79



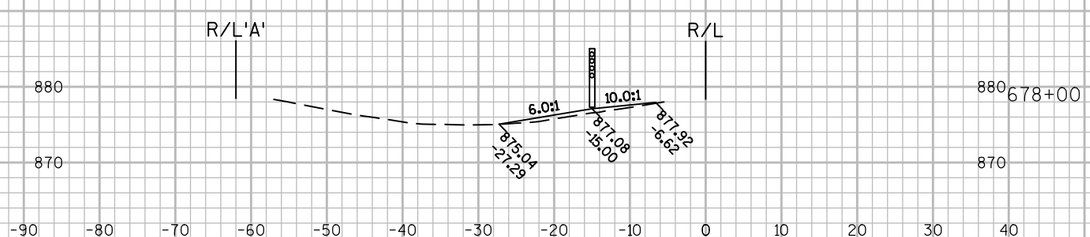
676+00



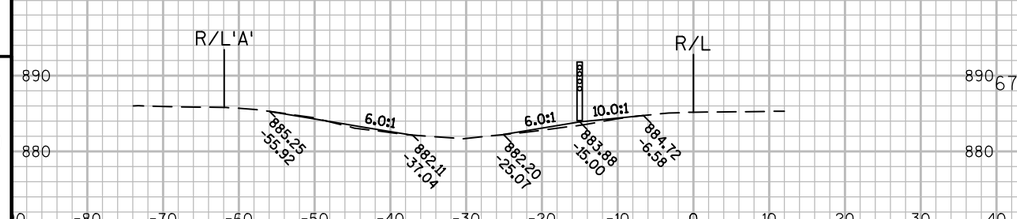
678+71



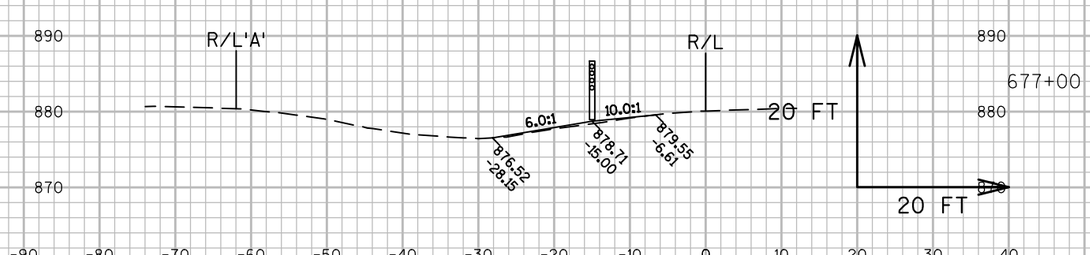
675+00



678+00



674+00



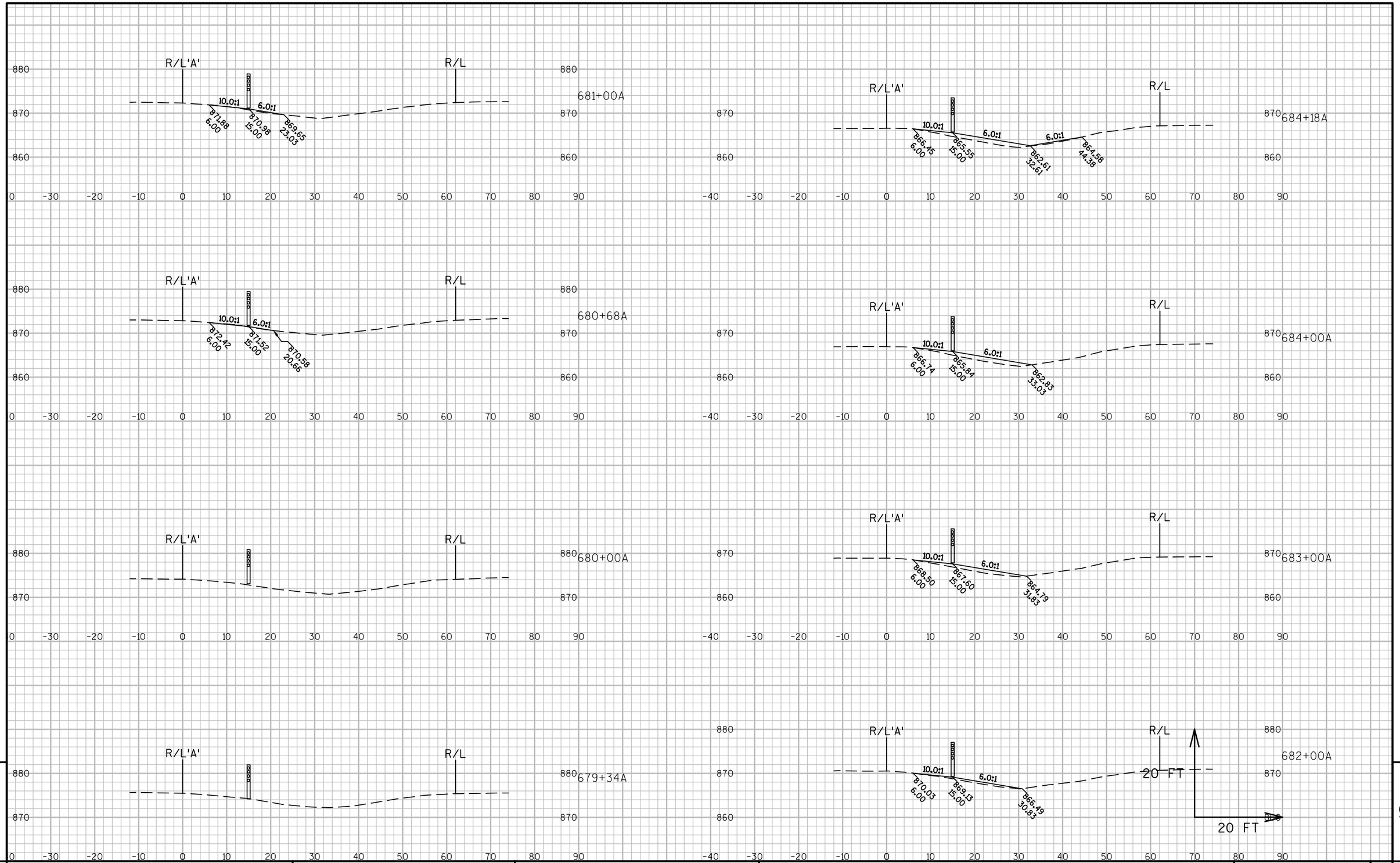
677+00

9

9

PROJECT NO:1016-02-60	HWY:IH 90/94	COUNTY:SAUK	CROSS SECTIONS:SAUK NORTH	SHEET 193	E

FILE NAME : N:\PDS\C3D\10160230\SHEETSPLAN\CROSS SECTIONS\090104_XS.DWG
LAYOUT NAME - (6)
PLOT DATE : 3/18/2016 7:39 AM PLOT BY : MECUM, BRANDYN W PLOT NAME : PLOT SCALE : 1 IN:20 FT



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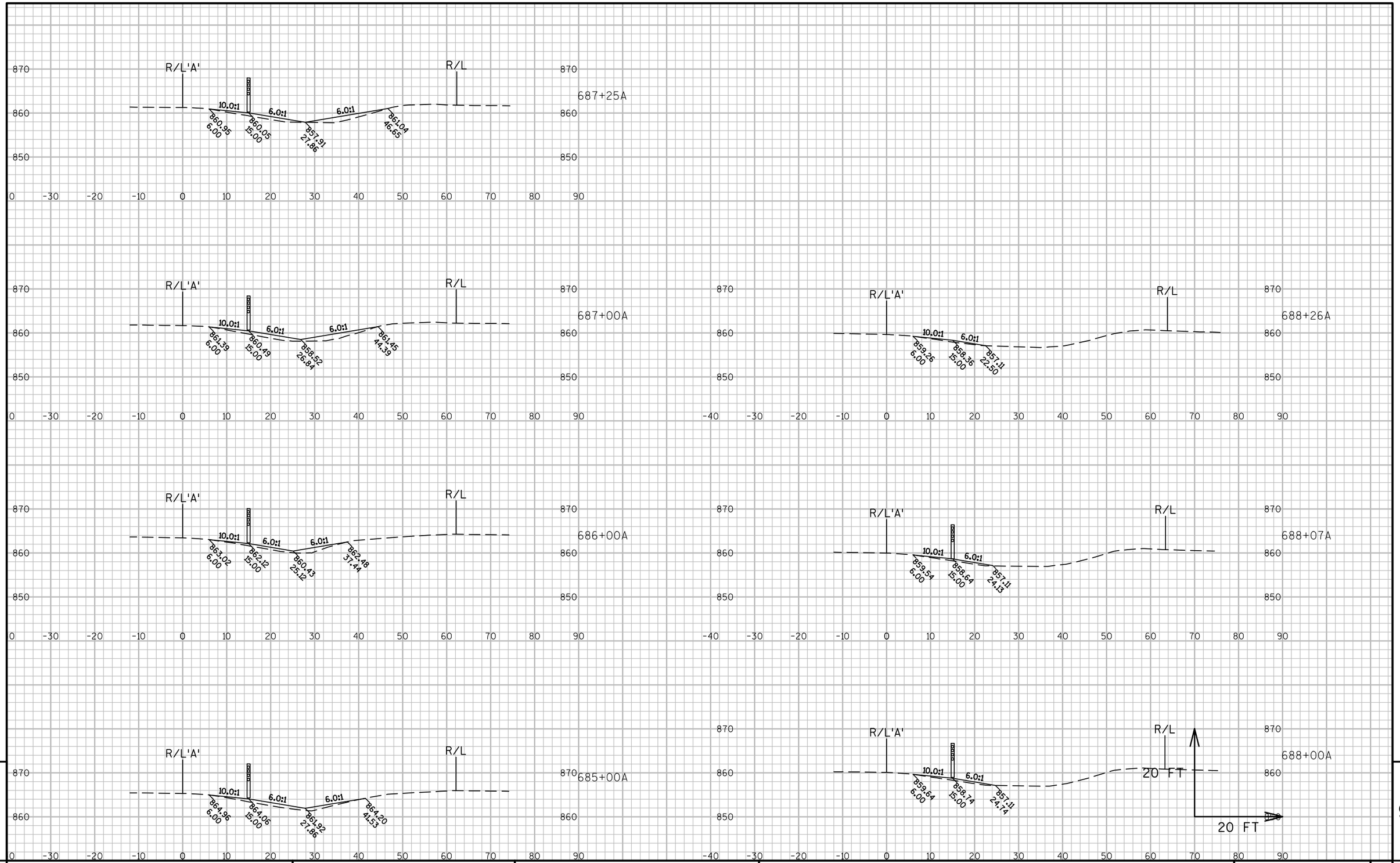
PROJECT NO:1016-02-60	HWY:IH 90/94	COUNTY:SAUK	CROSS SECTIONS:SAUK NORTH	SHEET 194	E

FILE NAME : N:\PDS\C3D\10160230\SHEETSPLAN\CROSS SECTIONS\090104_XS.DWG
LAYOUT NAME - 1

PLOT DATE : 3/18/2016 7:40 AM PLOT BY : MECUM, BRANDYN W PLOT NAME : PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 49



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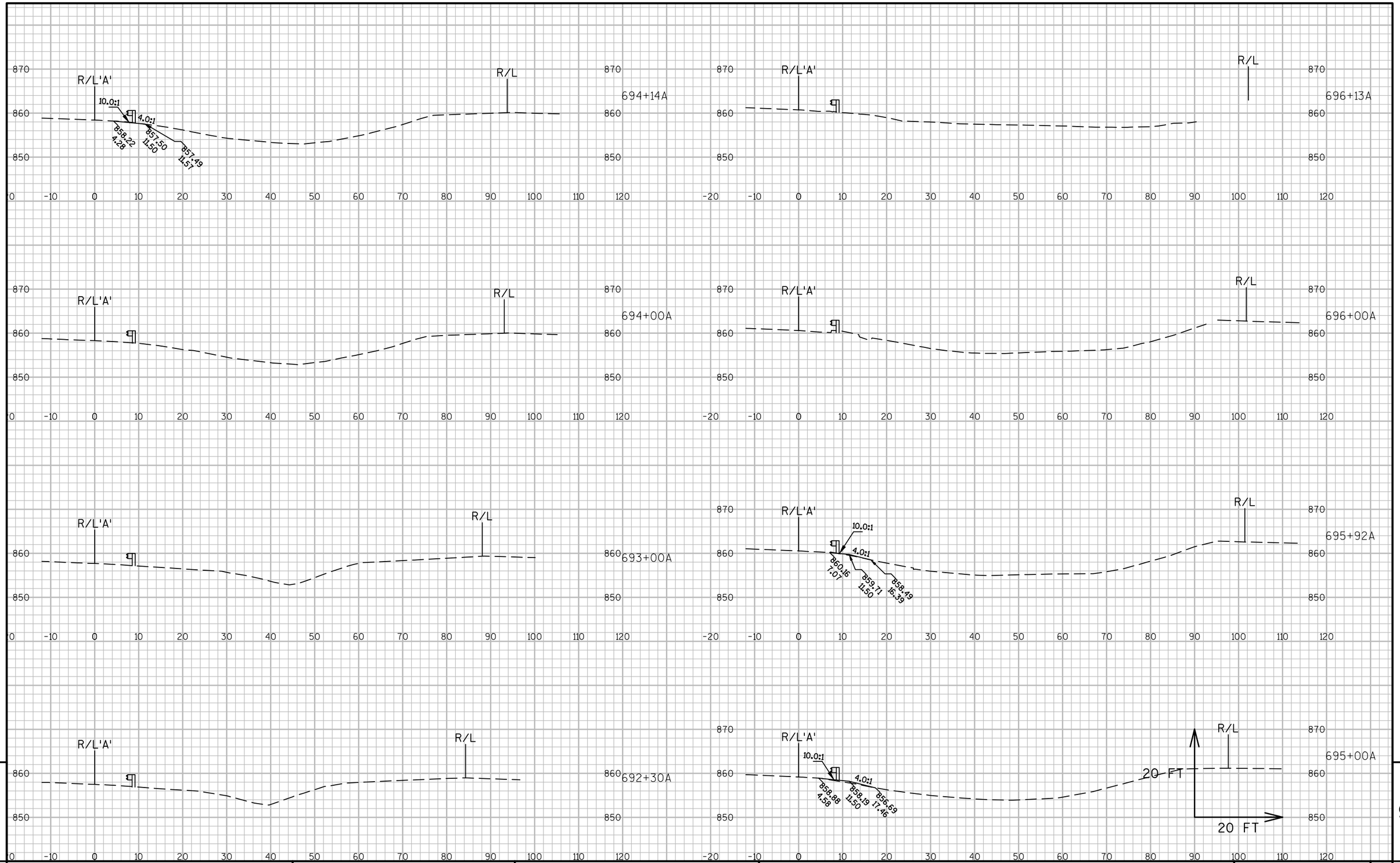
PROJECT NO:1016-02-60	HWY:IH 90/94	COUNTY:SAUK	CROSS SECTIONS:SAUK NORTH	SHEET 195	E

FILE NAME : N:\PDS\C3D\10160230\SHEETSPLAN\CROSS SECTIONS\090104_XS.DWG
LAYOUT NAME - 2

PLOT DATE : 3/18/2016 7:40 AM PLOT BY : MECUM, BRANDYN W PLOT NAME : PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 49



9

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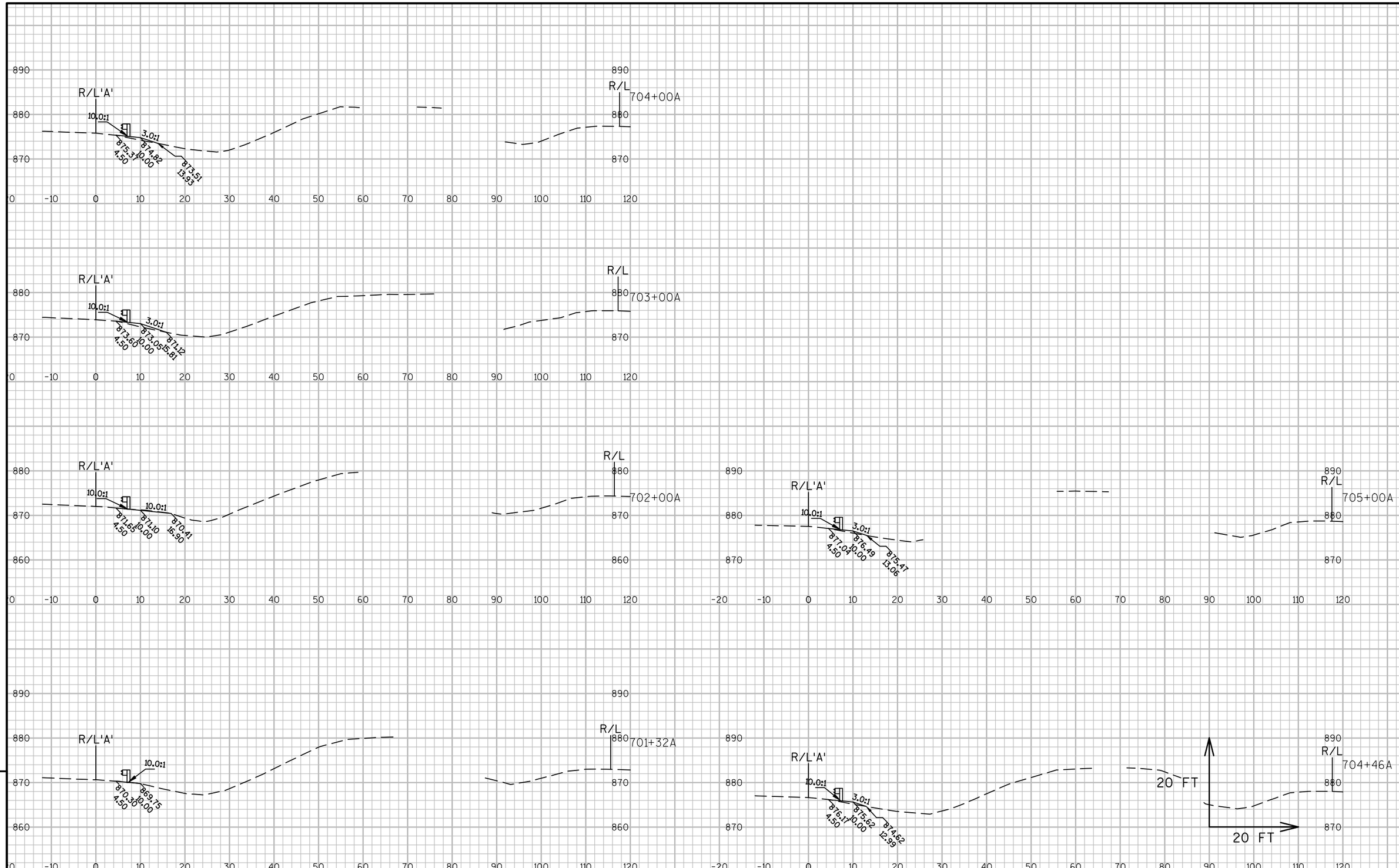
PROJECT NO:1016-02-60	HWY:IH 90/94	COUNTY:SAUK	CROSS SECTIONS:SAUK NORTH	SHEET 196	E

FILE NAME : N:\PDS\C3D\10160230\SHEETSPLAN\CROSS SECTIONS\090105_XS.DWG
LAYOUT NAME - (1)
PLOT DATE : 3/18/2016 8:24 AM PLOT BY : MECUM, BRANDYN W PLOT NAME : PLOT SCALE : 1 IN:20 FT



9

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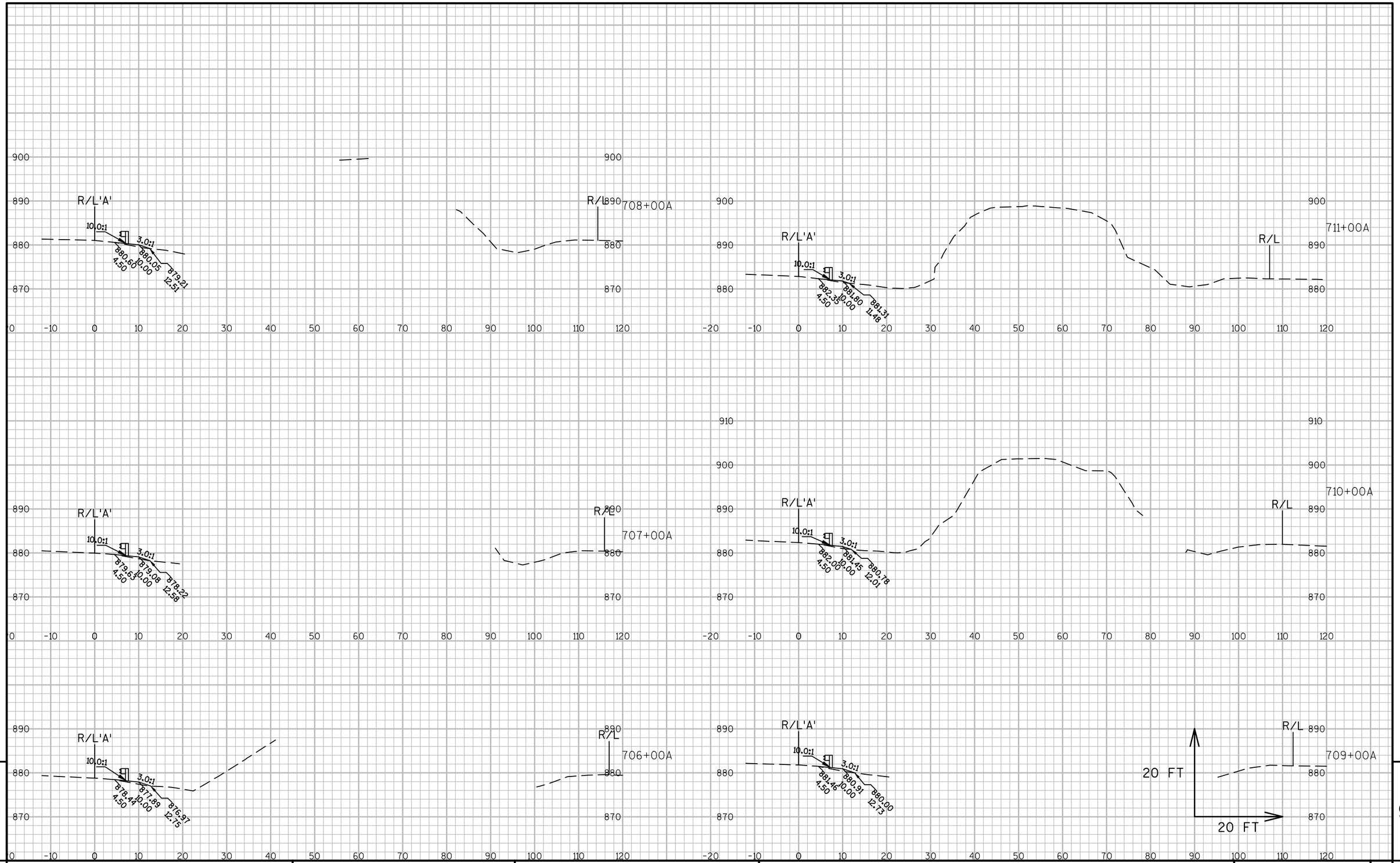
PROJECT NO:1016-02-60	HWY:IH 90/94	COUNTY:SAUK	CROSS SECTIONS:SAUK NORTH	SHEET 197	E

FILE NAME : N:\PDS\C3D\10160230\SHEETSPLAN\CROSS SECTIONS\090105_XS.DWG
LAYOUT NAME - 1

PLOT DATE : 3/18/2016 8:24 AM PLOT BY : MECUM, BRANDYN W PLOT NAME : PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 49



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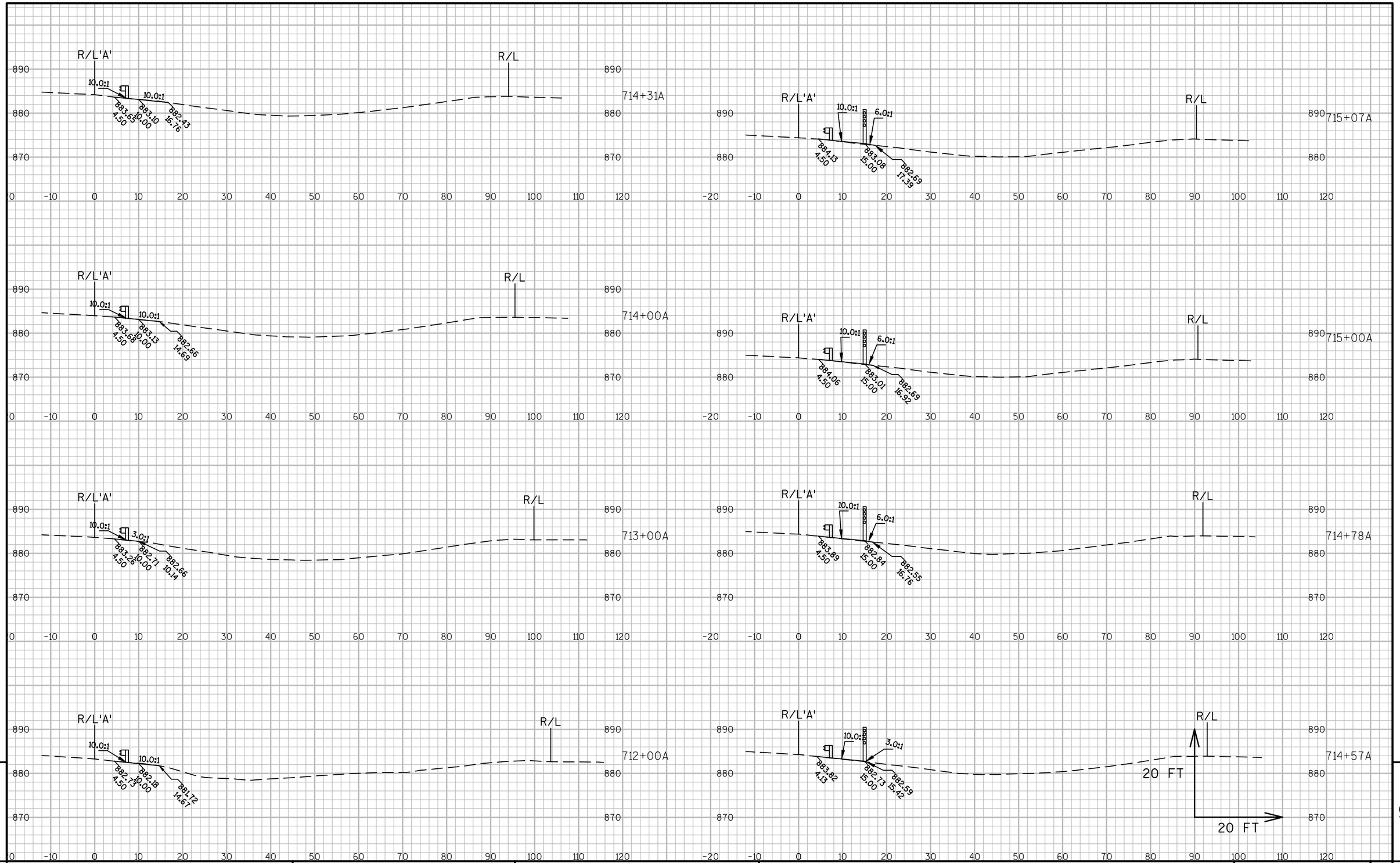
PROJECT NO:1016-02-60	HWY:IH 90/94	COUNTY:SAUK	CROSS SECTIONS:SAUK NORTH	SHEET 198	E

FILE NAME : N:\PDS\C3D\10160230\SHEETSPLAN\CROSS SECTIONS\090105_XS.DWG
LAYOUT NAME - 2

PLOT DATE : 3/18/2016 8:24 AM PLOT BY : MECUM, BRANDYN W PLOT NAME : PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 49



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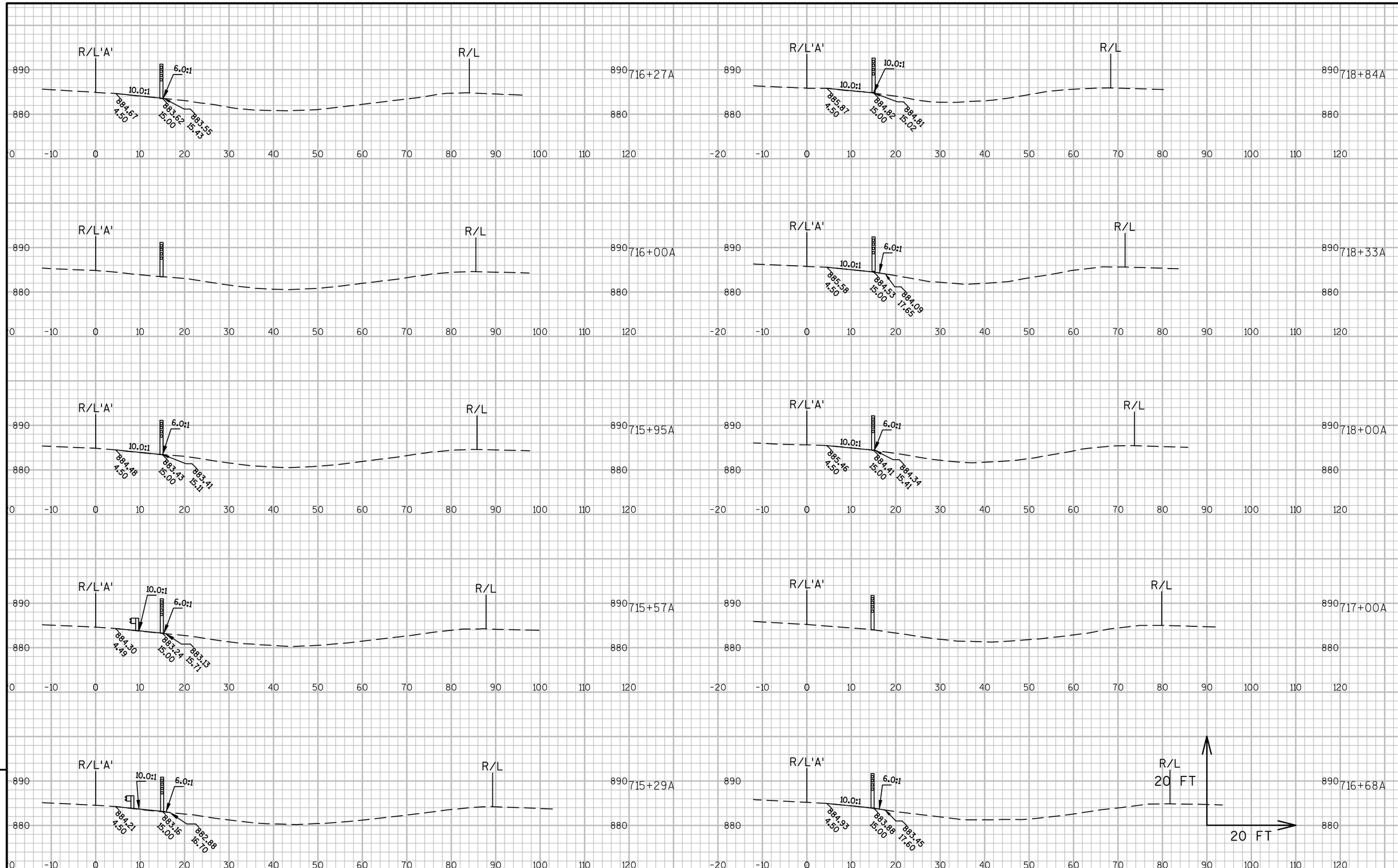
PROJECT NO:1016-02-60	HWY:IH 90/94	COUNTY:SAUK	CROSS SECTIONS:SAUK NORTH	SHEET 199	E

FILE NAME : N:\PDS\C3D\10160230\SHEETSPLAN\CROSS SECTIONS\090105_XS.DWG
LAYOUT NAME - 3

PLOT DATE : 3/18/2016 8:25 AM PLOT BY : MECUM, BRANDYN W PLOT NAME : PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 49



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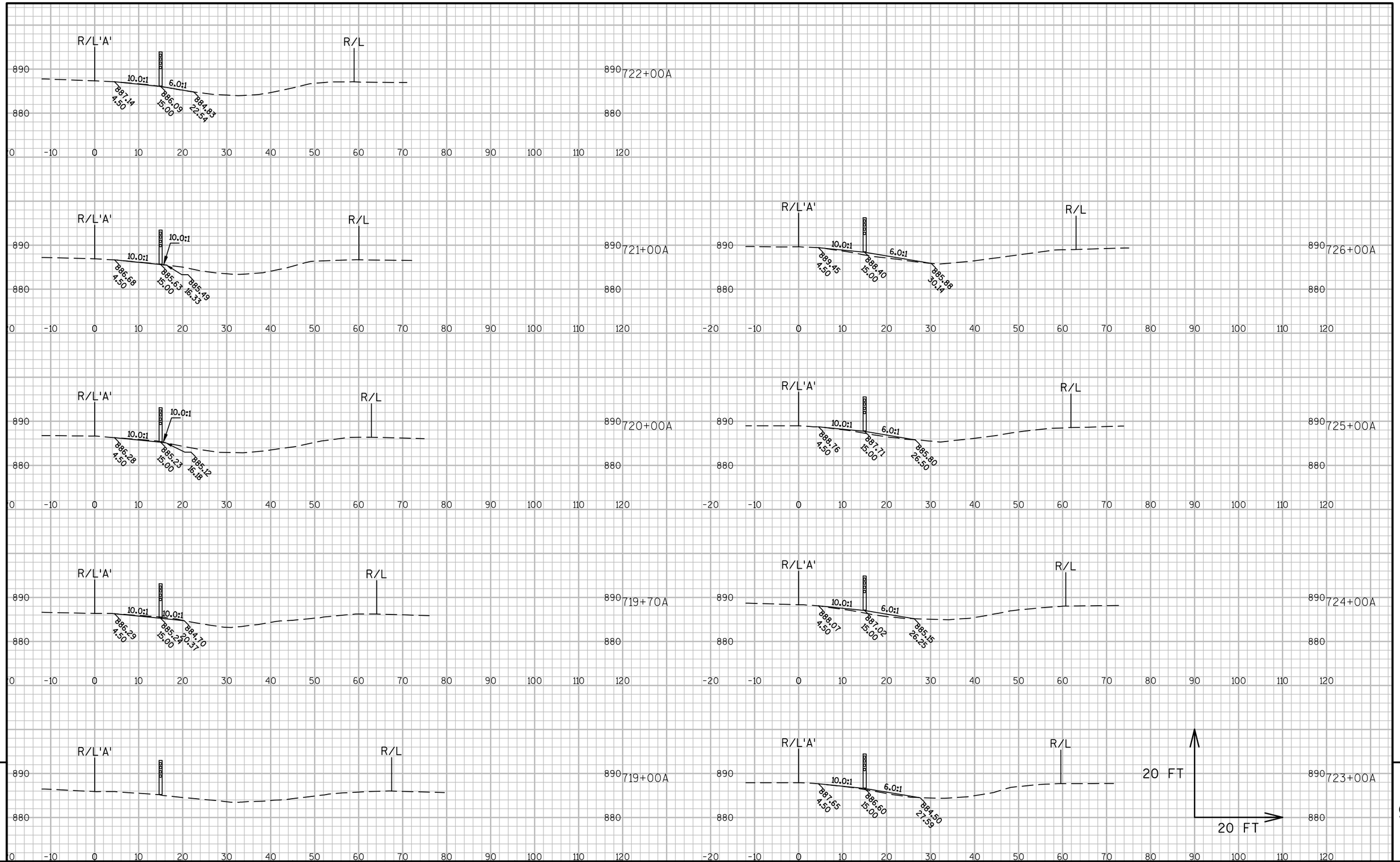
PROJECT NO:1016-02-60	HWY:IH 90/94	COUNTY:SAUK	CROSS SECTIONS:SAUK NORTH	SHEET 200	E

FILE NAME : N:\PDS\C3D\10160230\SHEETSPLAN\CROSS SECTIONS\090105_XS.DWG
LAYOUT NAME - 4

PLOT DATE : 3/18/2016 8:25 AM PLOT BY : MECUM, BRANDYN W PLOT NAME : PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 49



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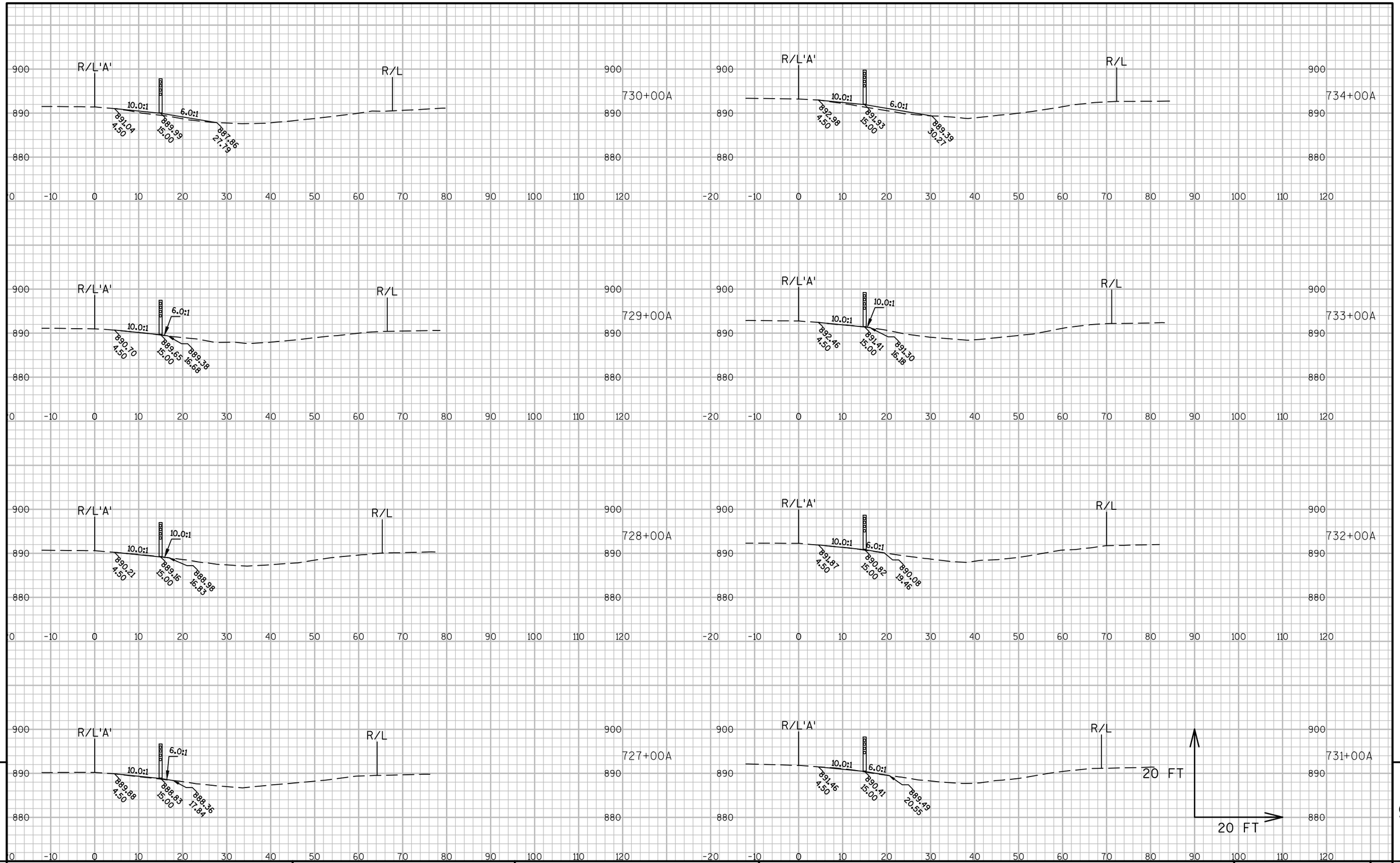
PROJECT NO:1016-02-60	HWY:IH 90/94	COUNTY:SAUK	CROSS SECTIONS:SAUK NORTH	SHEET 201	E

FILE NAME : N:\PDS\C3D\10160230\SHEETSPLAN\CROSS SECTIONS\090105_XS.DWG
LAYOUT NAME - 5

PLOT DATE : 3/18/2016 8:25 AM PLOT BY : MECUM, BRANDYN W PLOT NAME : PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 49



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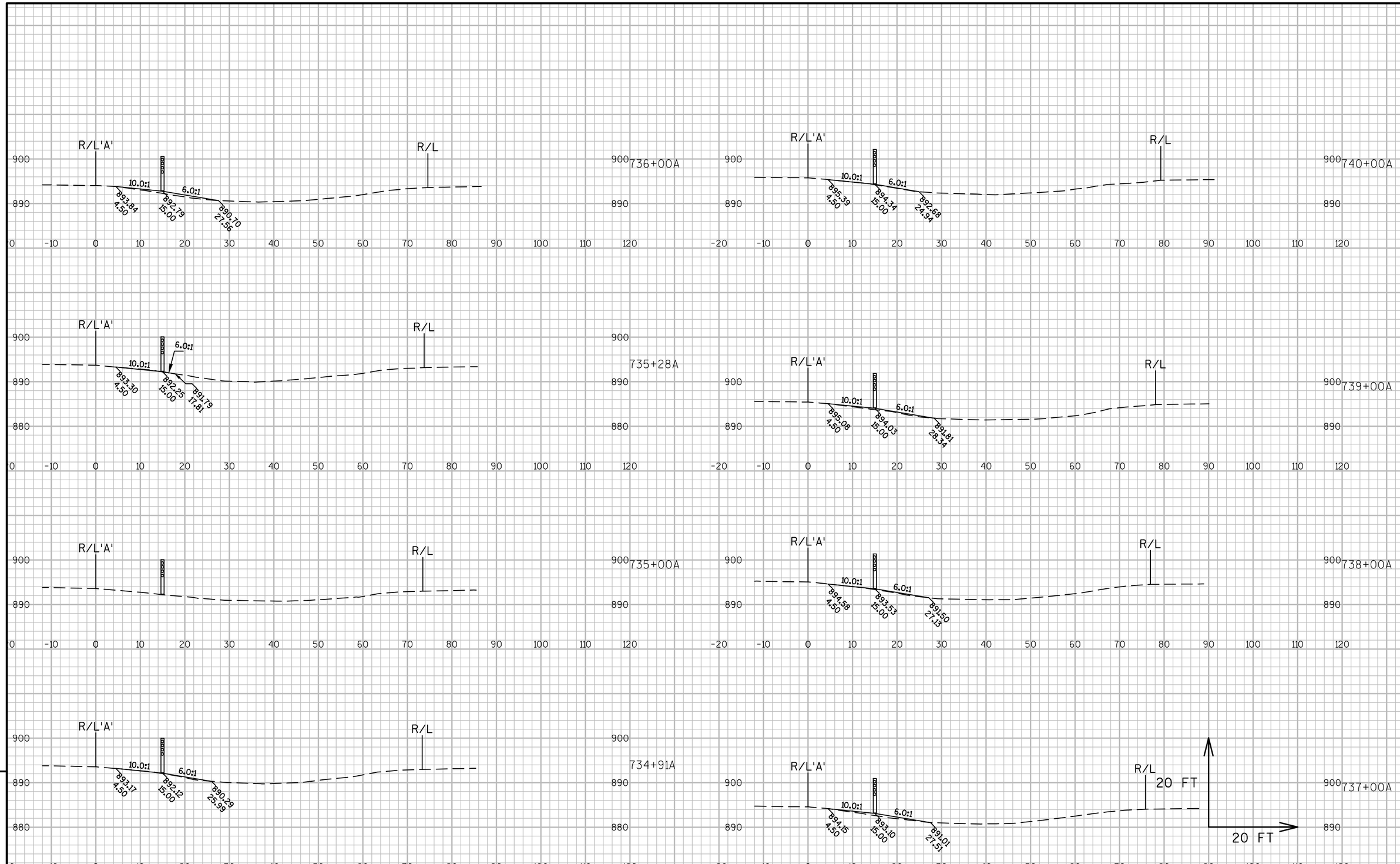
PROJECT NO:1016-02-60	HWY:IH 90/94	COUNTY:SAUK	CROSS SECTIONS:SAUK NORTH	SHEET 202	E

FILE NAME : N:\PDS\C3D\10160230\SHEETSPLAN\CROSS SECTIONS\090105_XS.DWG
LAYOUT NAME - 6

PLOT DATE : 3/18/2016 8:25 AM PLOT BY : MECUM, BRANDYN W PLOT NAME : PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 49



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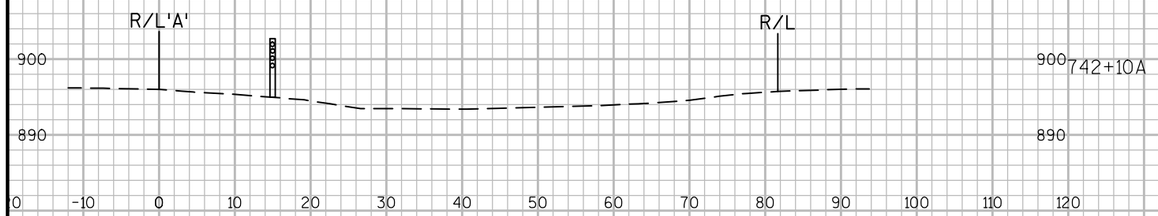
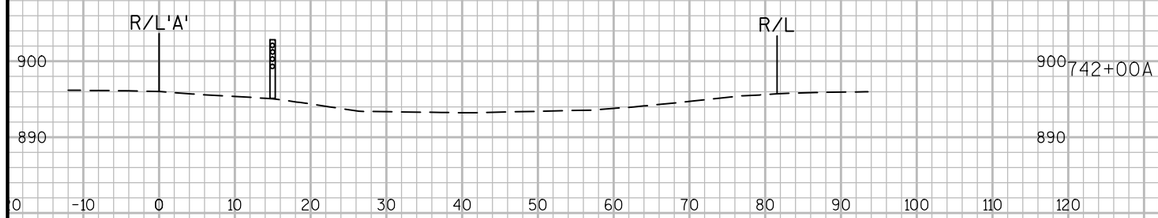
PROJECT NO:1016-02-60	HWY:IH 90/94	COUNTY:SAUK	CROSS SECTIONS:SAUK NORTH	SHEET 203	E

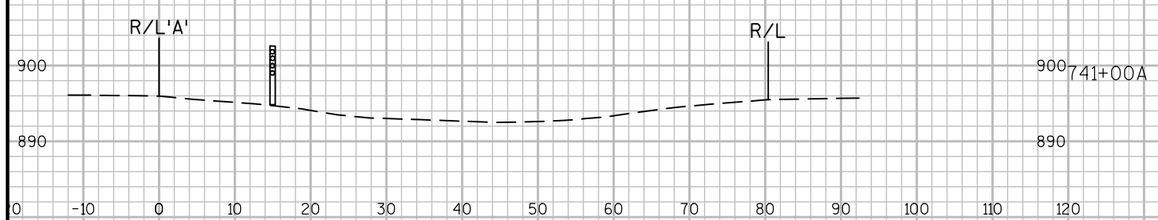
FILE NAME : N:\PDS\C3D\10160230\SHEETSPLAN\CROSS SECTIONS\090105_XS.DWG
LAYOUT NAME - 7

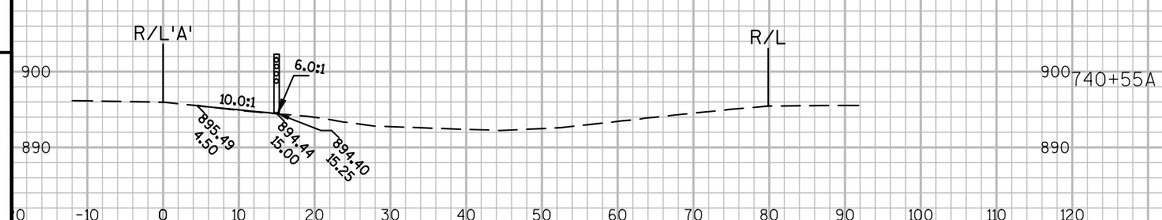
PLOT DATE : 3/18/2016 8:26 AM PLOT BY : MECUM, BRANDYN W PLOT NAME : PLOT SCALE : 1 IN:20 FT

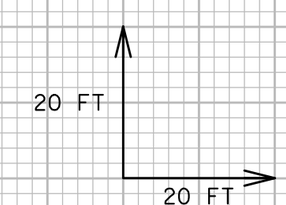
WISDOT/CADDS SHEET 49











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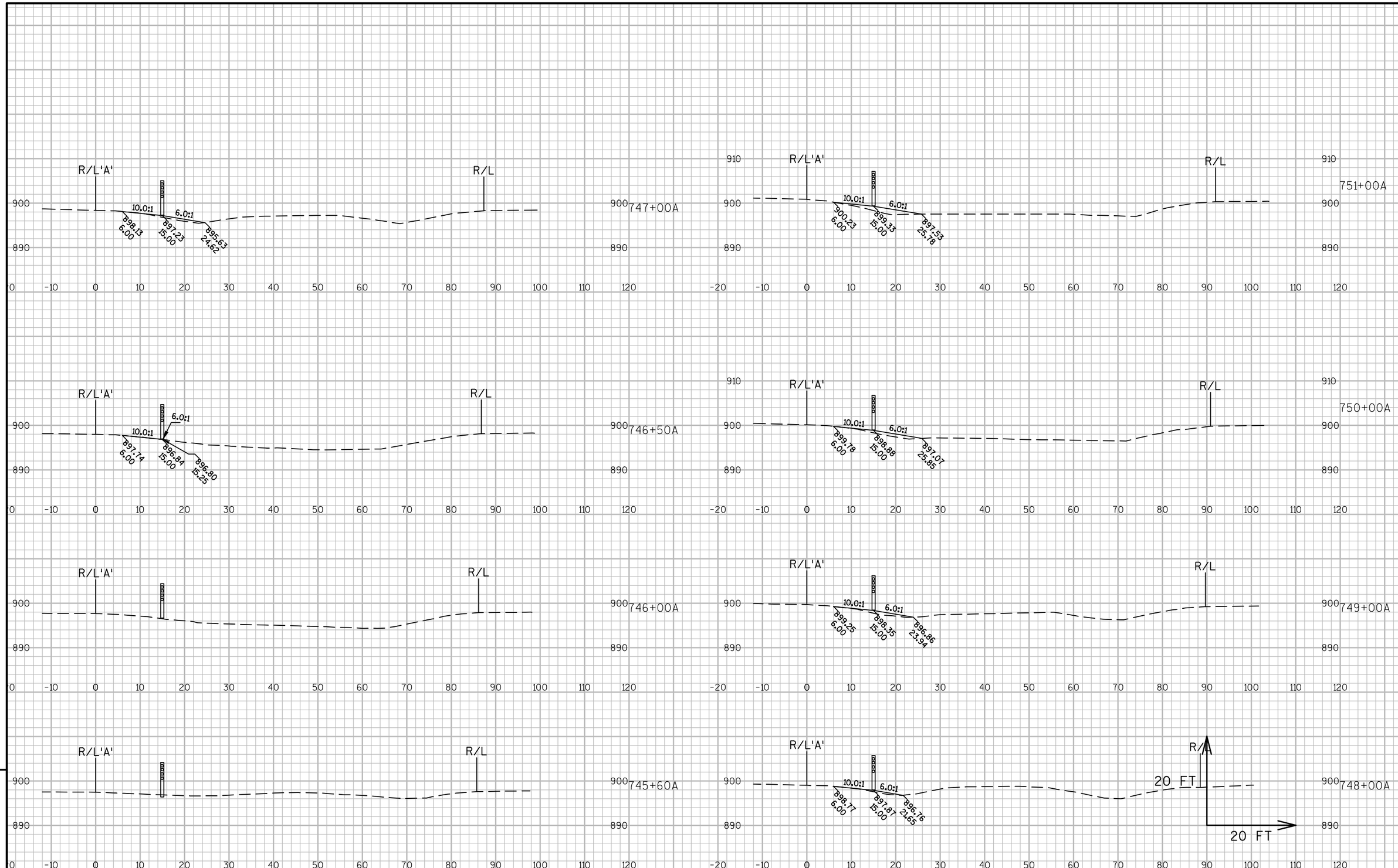
PROJECT NO:1016-02-60	HWY:IH 90/94	COUNTY:SAUK	CROSS SECTIONS:SAUK NORTH	SHEET 204	E

FILE NAME : N:\PDS\C3D\10160230\SHEETSPLAN\CROSS SECTIONS\090105_XS.DWG
LAYOUT NAME - 8
PLOT DATE : 3/18/2016 8:26 AM PLOT BY : MECUM, BRANDYN W PLOT NAME : PLOT SCALE : 1 IN:20 FT

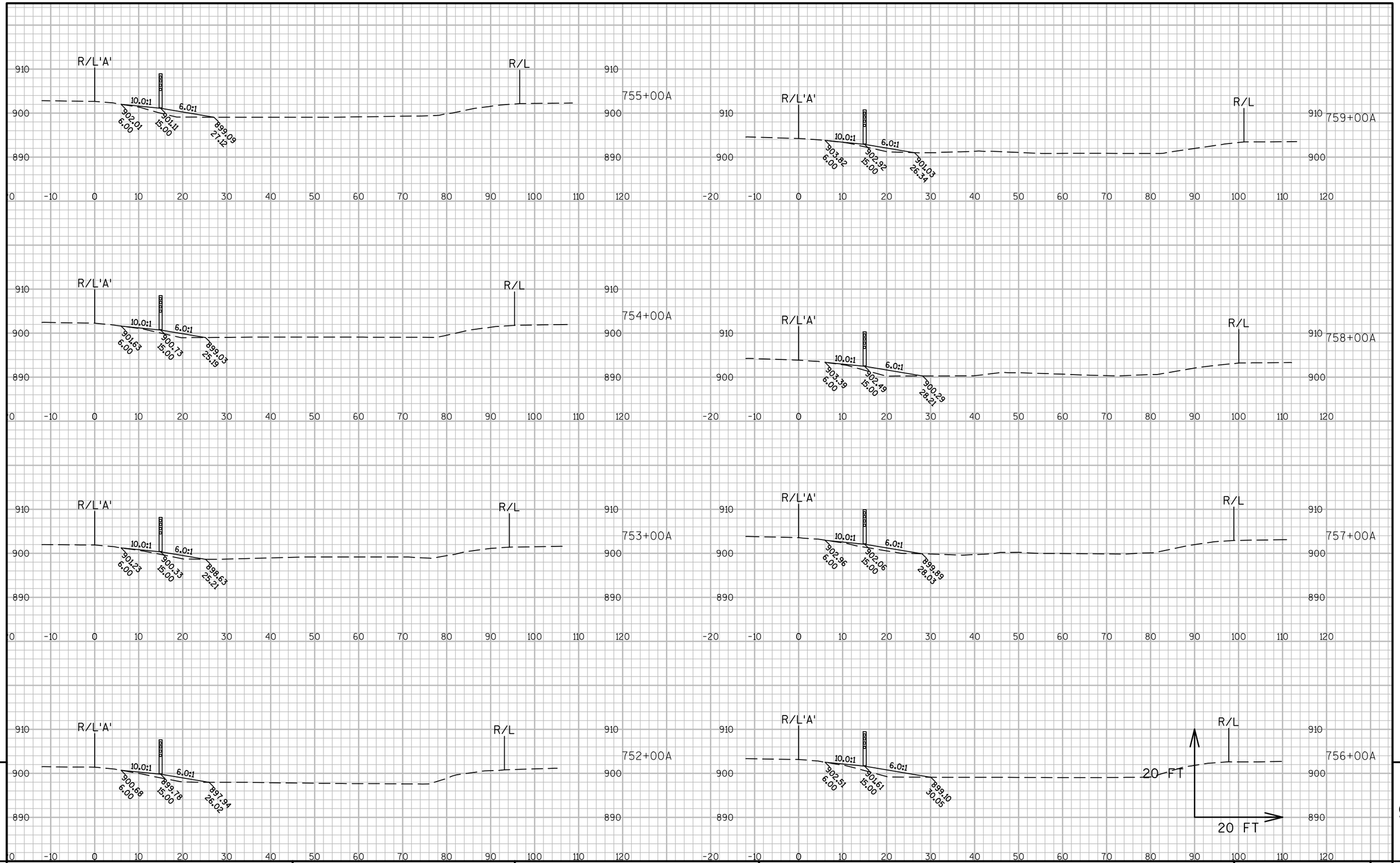
WISDOT/CADDS SHEET 49



PROJECT NO:1016-02-60	HWY:IH 90/94	COUNTY:SAUK	CROSS SECTIONS:SAUK NORTH	SHEET 205	E

FILE NAME : N:\PDS\C3D\10160230\SHEETSPLAN\CROSS SECTIONS\090106_XS.DWG
LAYOUT NAME - (1)
PLOT DATE : 3/18/2016 8:56 AM PLOT BY : MECUM, BRANDYN W PLOT NAME : PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 49



9

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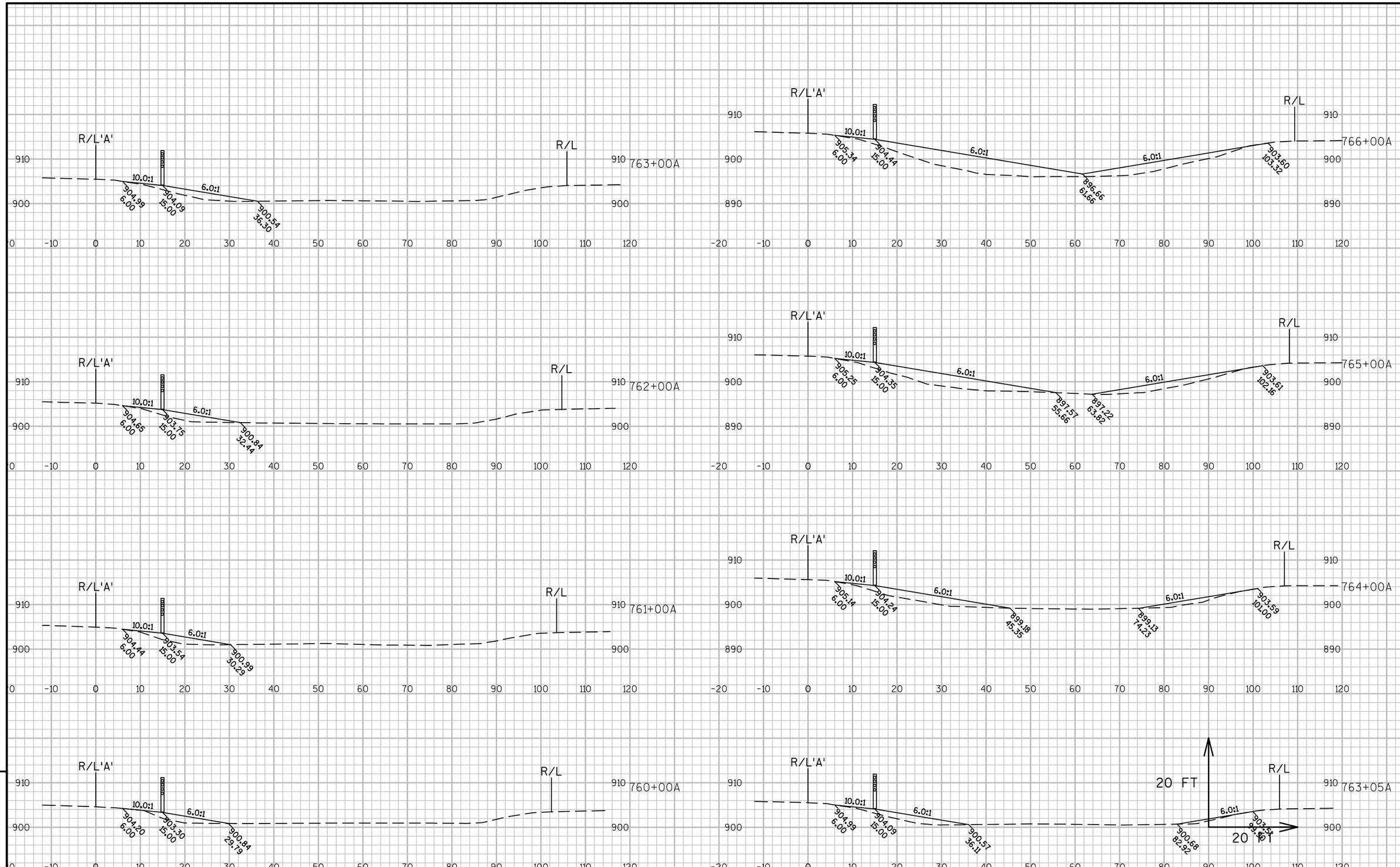
PROJECT NO:1016-02-60	HWY:IH 90/94	COUNTY:SAUK	CROSS SECTIONS:SAUK NORTH	SHEET 206	E

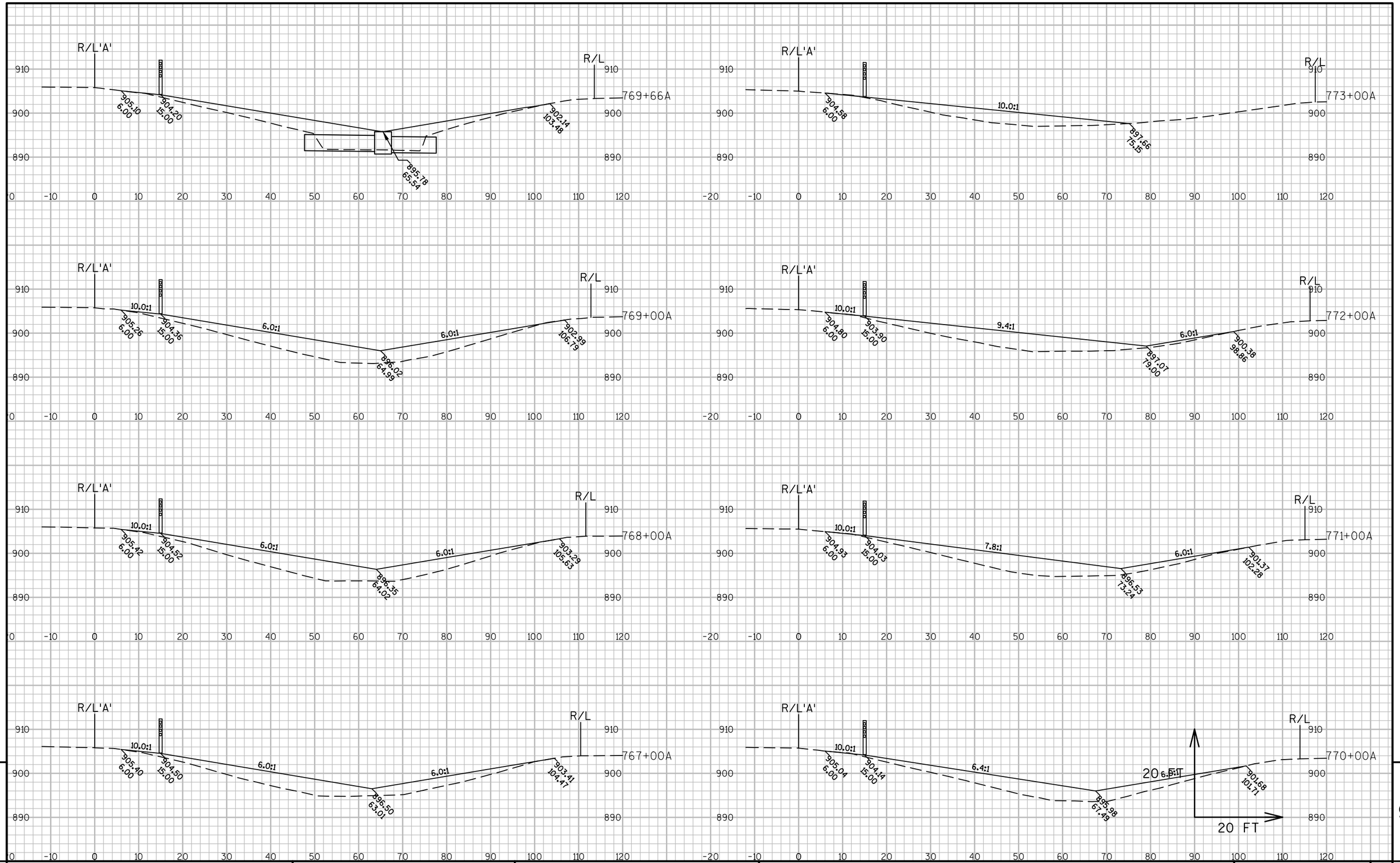
FILE NAME : N:\PDS\C3D\10160230\SHEETSPLAN\CROSS SECTIONS\090106_XS.DWG
LAYOUT NAME - (2)
PLOT DATE : 3/18/2016 8:56 AM PLOT BY : MECUM, BRANDYN W PLOT NAME : PLOT SCALE : 1 IN:20 FT



PROJECT NO:1016-02-60	HWY:IH 90/94	COUNTY:SAUK	CROSS SECTIONS:SAUK NORTH	SHEET 207	E

FILE NAME : N:\PDS\C3D\10160230\SHEETSPLAN\CROSS SECTIONS\090106_XS.DWG
LAYOUT NAME - (3)
PLOT DATE : 3/18/2016 8:56 AM PLOT BY : MECUM, BRANDYN W PLOT NAME : PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 49



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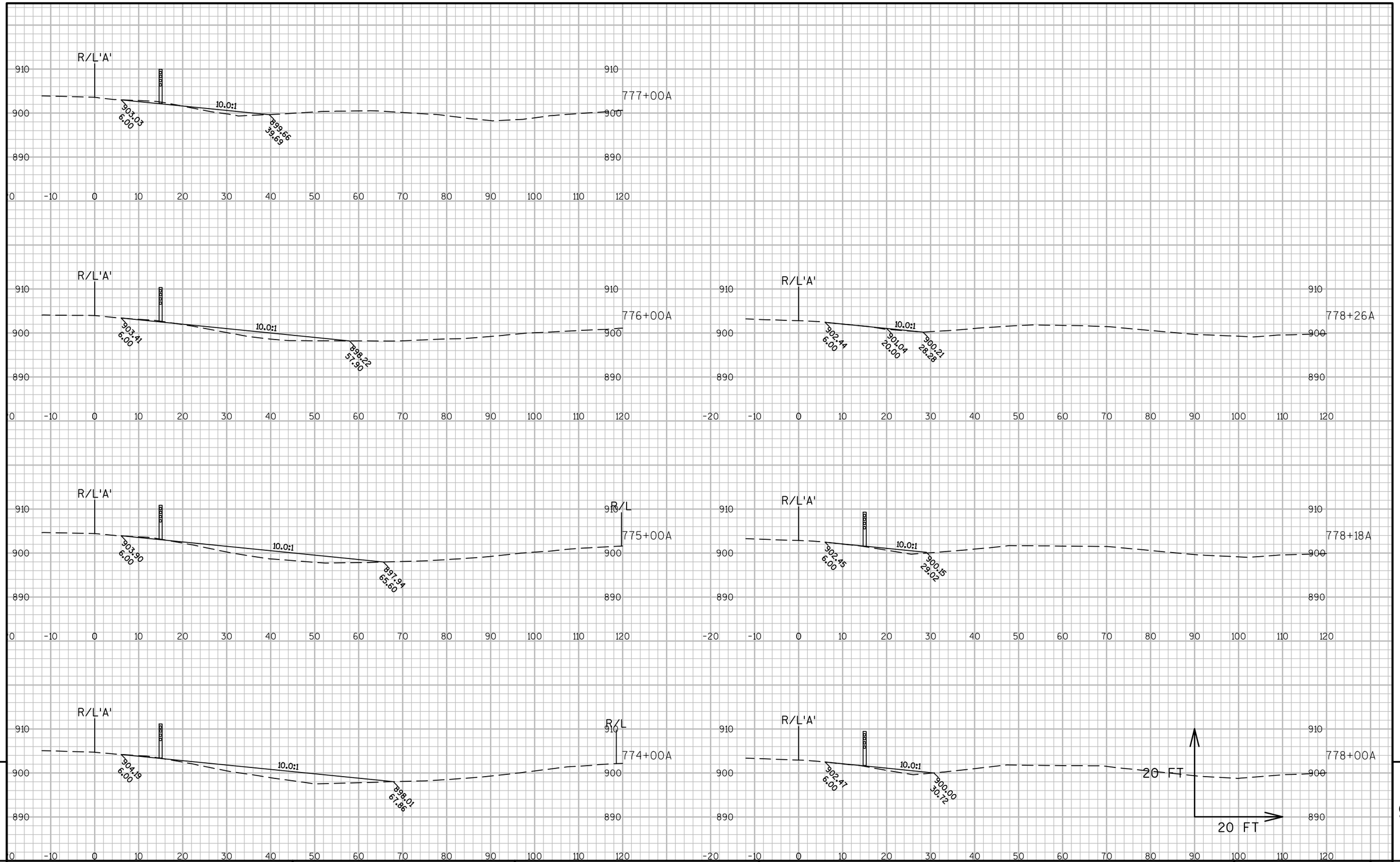
PROJECT NO:1016-02-60	HWY:IH 90/94	COUNTY:SAUK	CROSS SECTIONS:SAUK NORTH	SHEET 208	E

FILE NAME : N:\PDS\C3D\10160230\SHEETSPLAN\CROSS SECTIONS\090106_XS.DWG
LAYOUT NAME - (4)
PLOT DATE : 3/18/2016 8:57 AM PLOT BY : MECUM, BRANDYN W PLOT NAME : PLOT SCALE : 1 IN:20 FT



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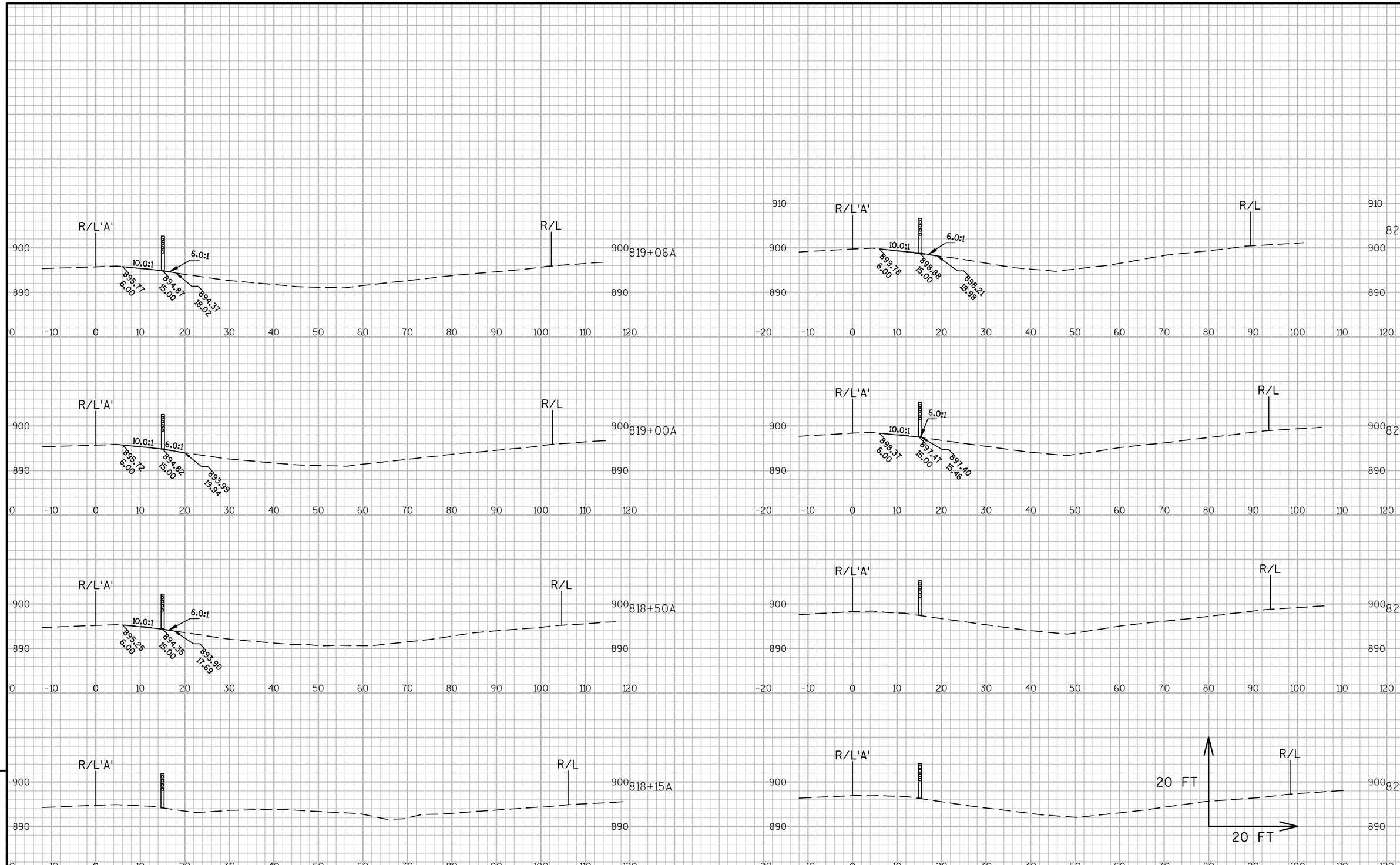
PROJECT NO:1016-02-60	HWY:IH 90/94	COUNTY:SAUK	CROSS SECTIONS:SAUK NORTH	SHEET 209	E

FILE NAME : N:\PDS\C3D\10160230\SHEETSPLAN\CROSS SECTIONS\090106_XS.DWG
LAYOUT NAME - (5)

PLOT DATE : 3/18/2016 8:57 AM PLOT BY : MECUM, BRANDYN W PLOT NAME : PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 49



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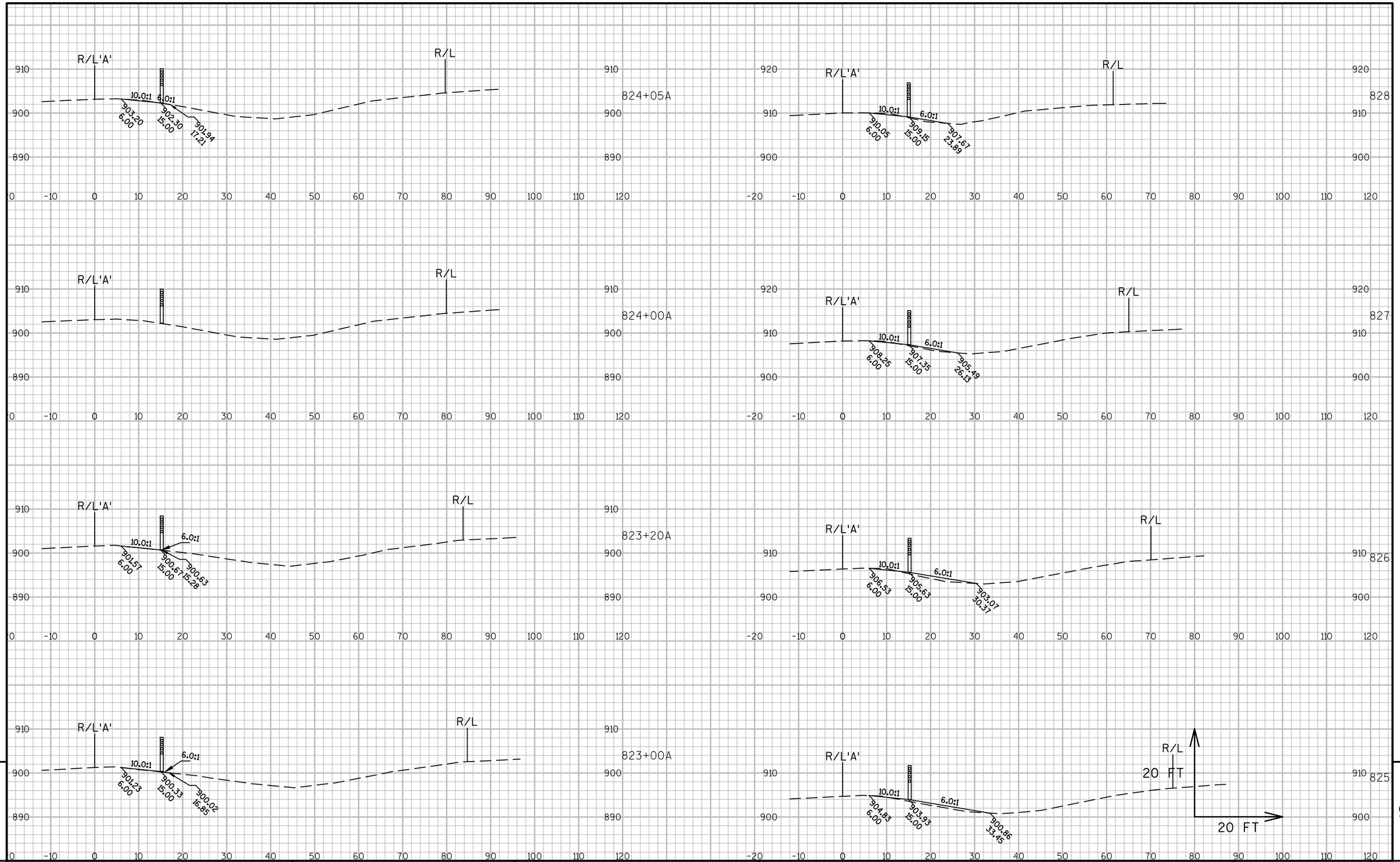
PROJECT NO:1016-02-60	HWY:IH 90/94	COUNTY:SAUK	CROSS SECTIONS: SAUK CENTRAL	SHEET 210	E

FILE NAME : N:\PDS\C3D\10160230\SHEETSPLAN\CROSS SECTIONS\090107_XS.DWG
LAYOUT NAME - (1)
PLOT DATE : 3/18/2016 9:55 AM PLOT BY : MECUM, BRANDYN W PLOT NAME : PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 49



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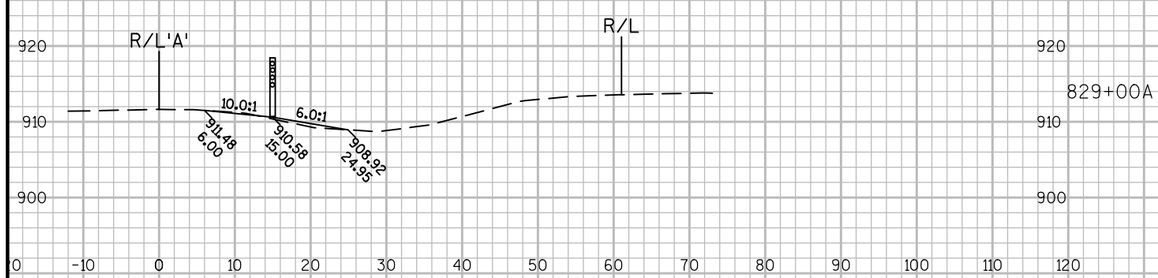
9

PROJECT NO:1016-02-60	HWY:IH 90/94	COUNTY:SAUK	CROSS SECTIONS:SAUK CENTRAL	SHEET 211	E

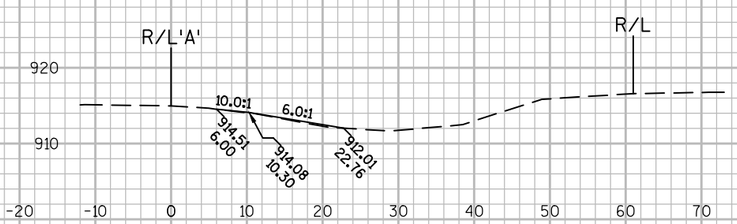
FILE NAME : N:\PDS\C3D\10160230\SHEETSPLAN\CROSS SECTIONS\090107_XS.DWG
LAYOUT NAME - (2)
PLOT DATE : 3/18/2016 9:56 AM PLOT BY : MECUM, BRANDYN W PLOT NAME : PLOT SCALE : 1 IN:20 FT

831+00A

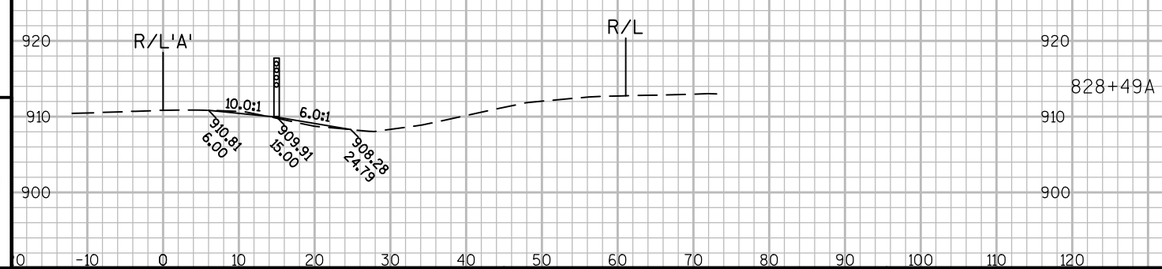
830+00A



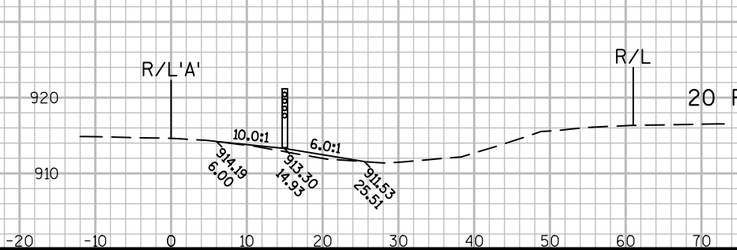
829+00A



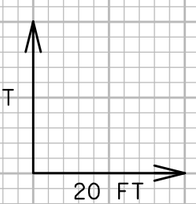
831+



828+49A



831+



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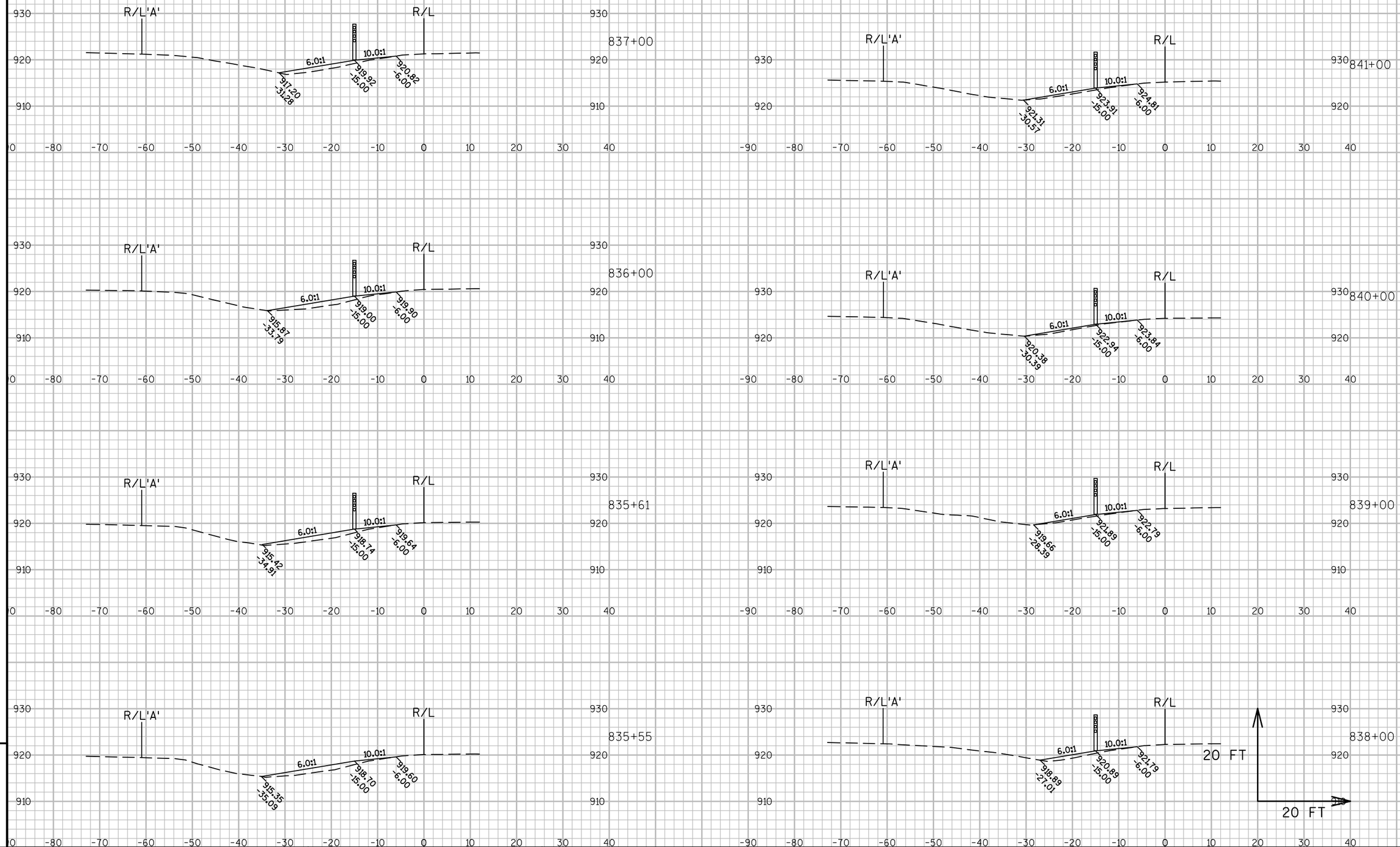
PROJECT NO:1016-02-60	HWY:IH 90/94	COUNTY:SAUK	CROSS SECTIONS:SAUK CENTRAL	SHEET 212	E

FILE NAME : N:\PDS\C3D\10160230\SHEETSPLAN\CROSS SECTIONS\090107_XS.DWG
LAYOUT NAME - (3)
PLOT DATE : 3/18/2016 9:56 AM PLOT BY : MECUM, BRANDYN W PLOT NAME : PLOT SCALE : 1 IN:20 FT



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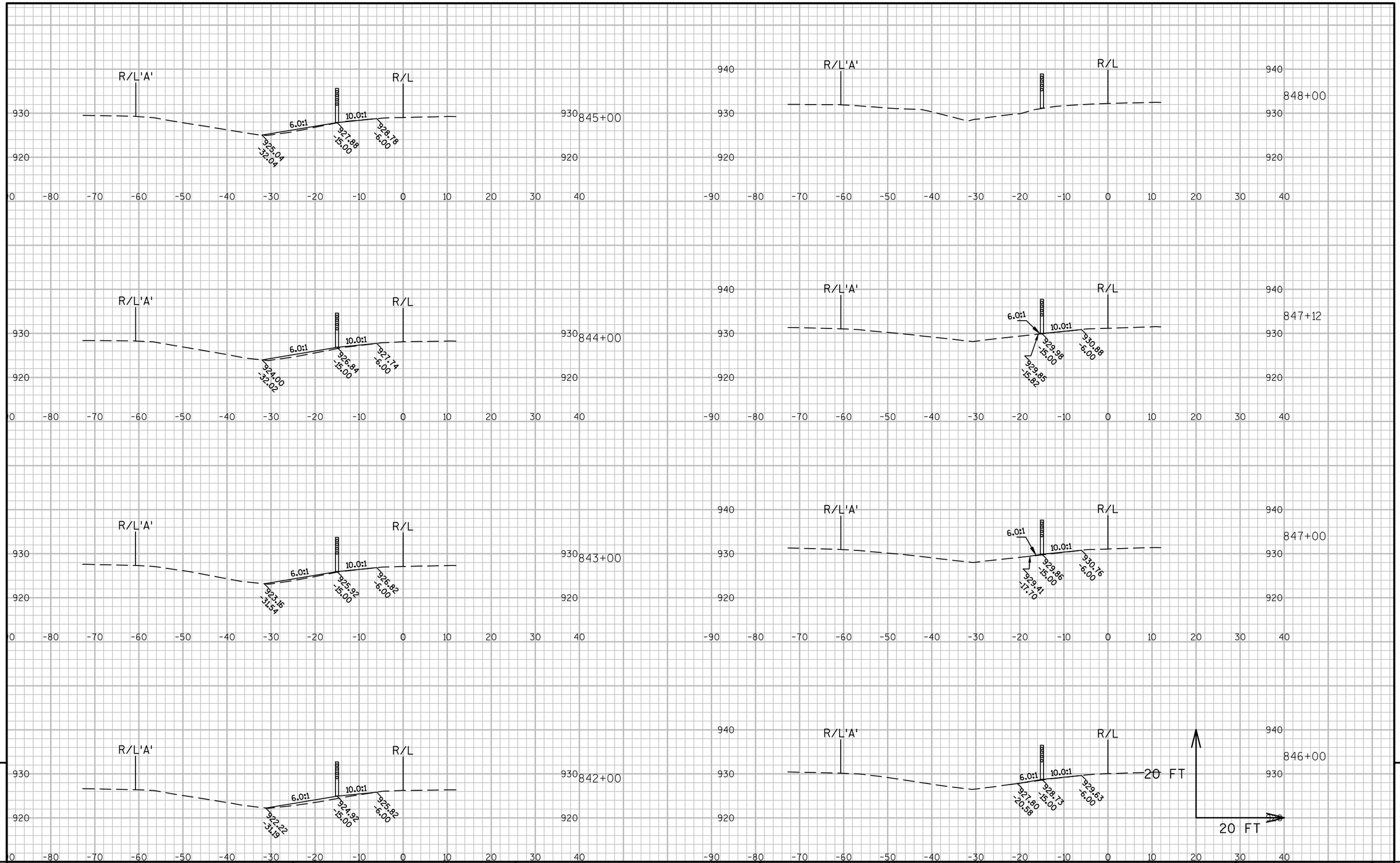
PROJECT NO:1016-02-60	HWY:IH 90/94	COUNTY:SAUK	CROSS SECTIONS:SAUK CENTRAL	SHEET 213	E

FILE NAME : N:\PDS\C3D\10160230\SHEETSPLAN\CROSS SECTIONS\090107_XS.DWG
LAYOUT NAME - 1

PLOT DATE : 3/18/2016 9:56 AM PLOT BY : MECUM, BRANDYN W PLOT NAME : PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 49



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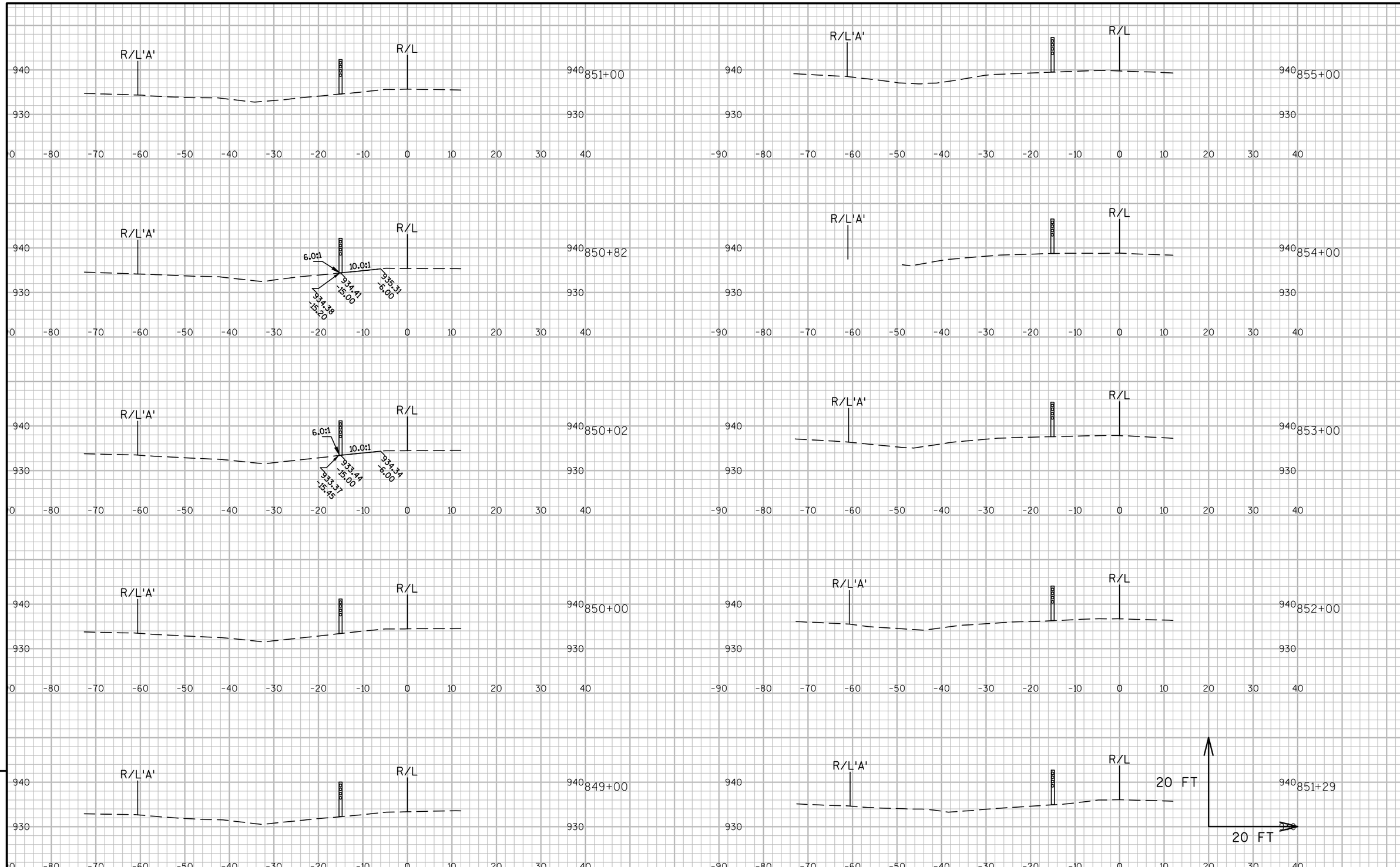
9

PROJECT NO:1016-02-60	HWY:IH 90/94	COUNTY:SAUK	CROSS SECTIONS:SAUK CENTRAL	SHEET 214	E

FILE NAME : N:\PDS\C3D\10160230\SHEETSPLAN\CROSS SECTIONS\090107_XS.DWG
LAYOUT NAME - 2

PLOT DATE : 3/18/2016 9:57 AM PLOT BY : MECUM, BRANDYN W PLOT NAME : PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 49



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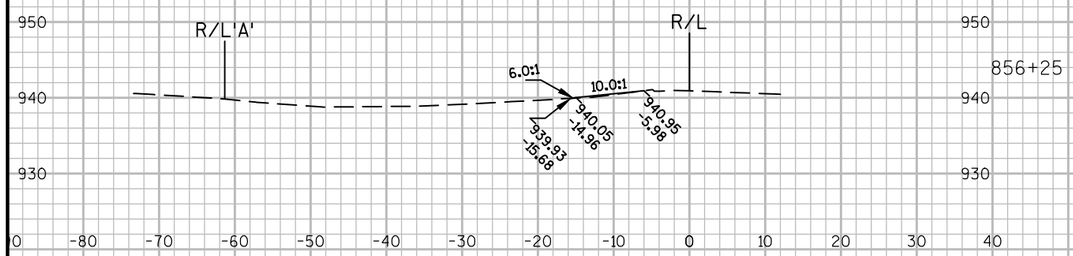
9

PROJECT NO:1016-02-60	HWY:IH 90/94	COUNTY:SAUK	CROSS SECTIONS:SAUK CENTRAL	SHEET 215	E

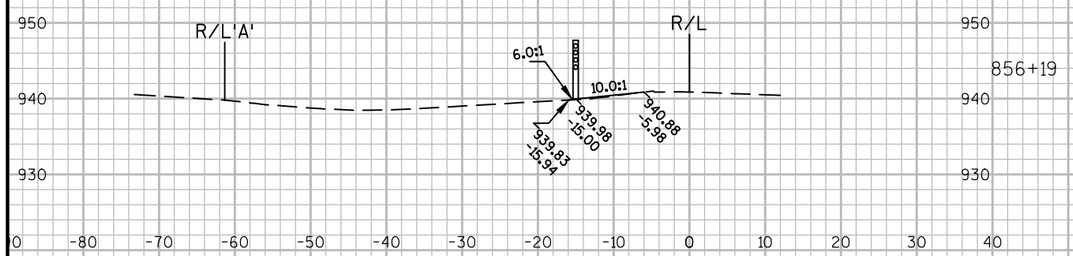
FILE NAME : N:\PDS\C3D\10160230\SHEETSPLAN\CROSS SECTIONS\090107_XS.DWG
LAYOUT NAME - 3

PLOT DATE : 3/18/2016 9:57 AM PLOT BY : MECUM, BRANDYN W PLOT NAME : PLOT SCALE : 1 IN:20 FT

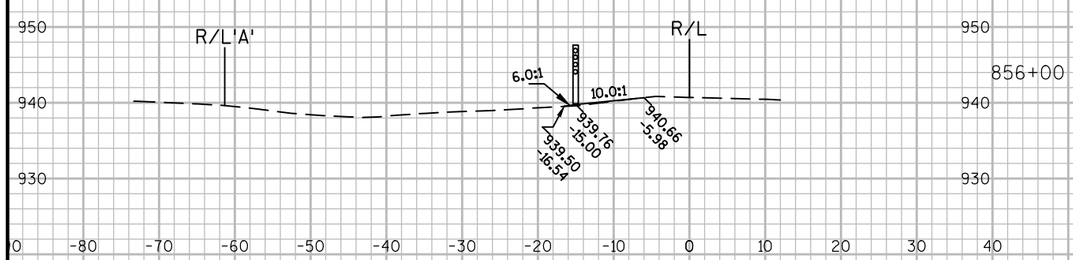
WISDOT/CADDS SHEET 49



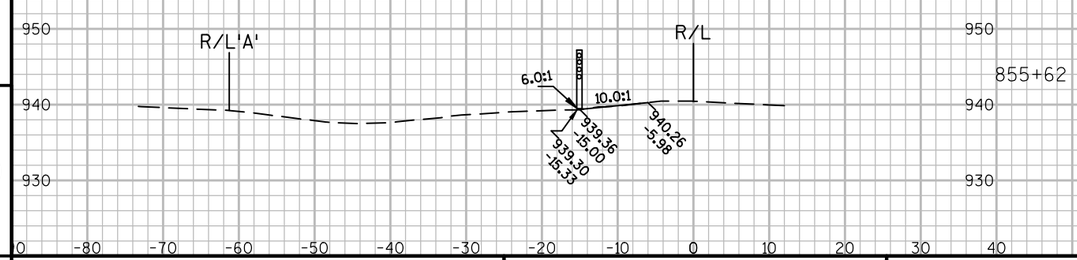
856+25



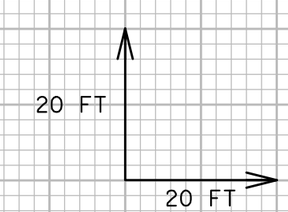
856+19



856+00



855+62



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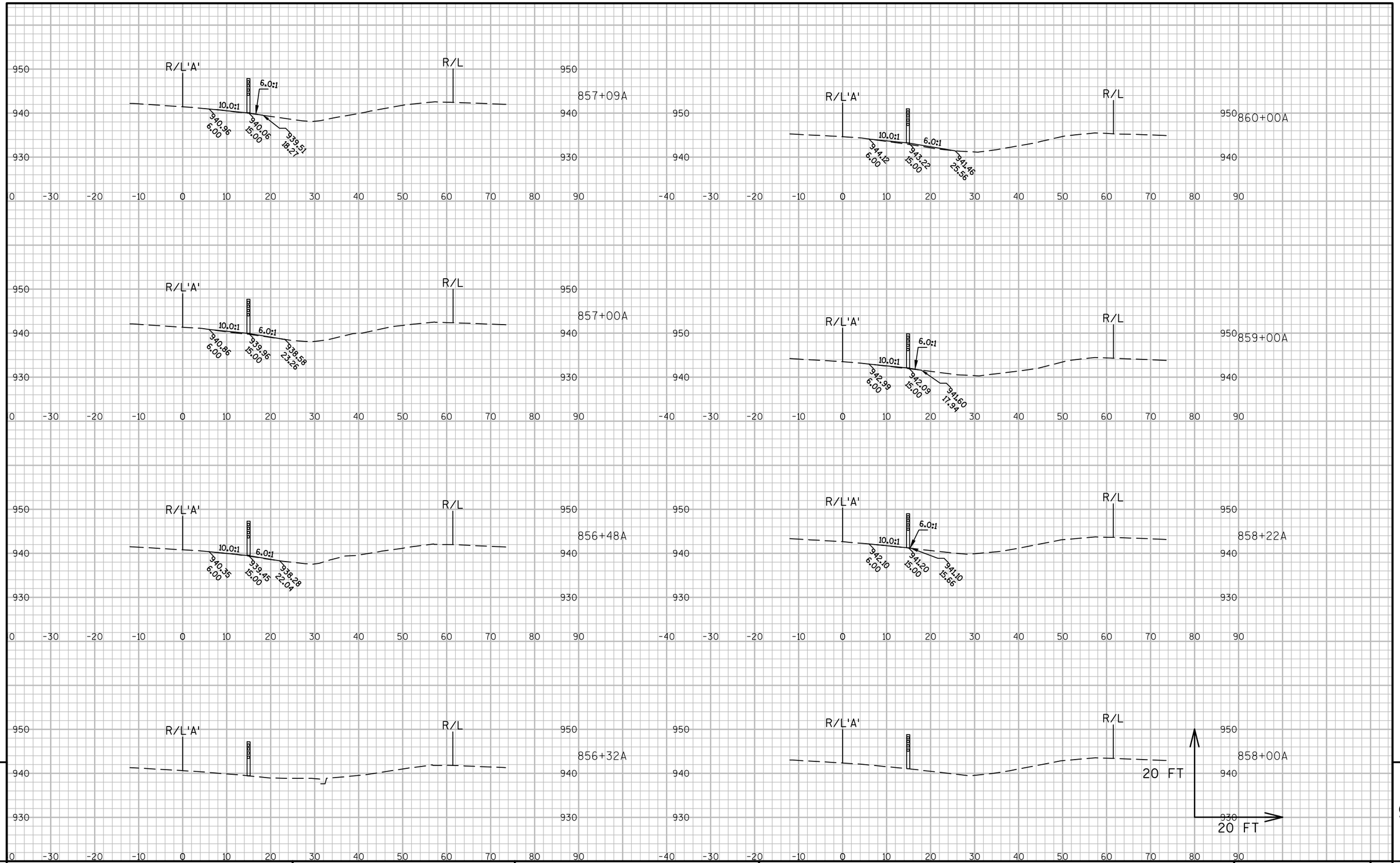
PROJECT NO:1016-02-60	HWY:IH 90/94	COUNTY:SAUK	CROSS SECTIONS:SAUK CENTRAL	SHEET 216	E



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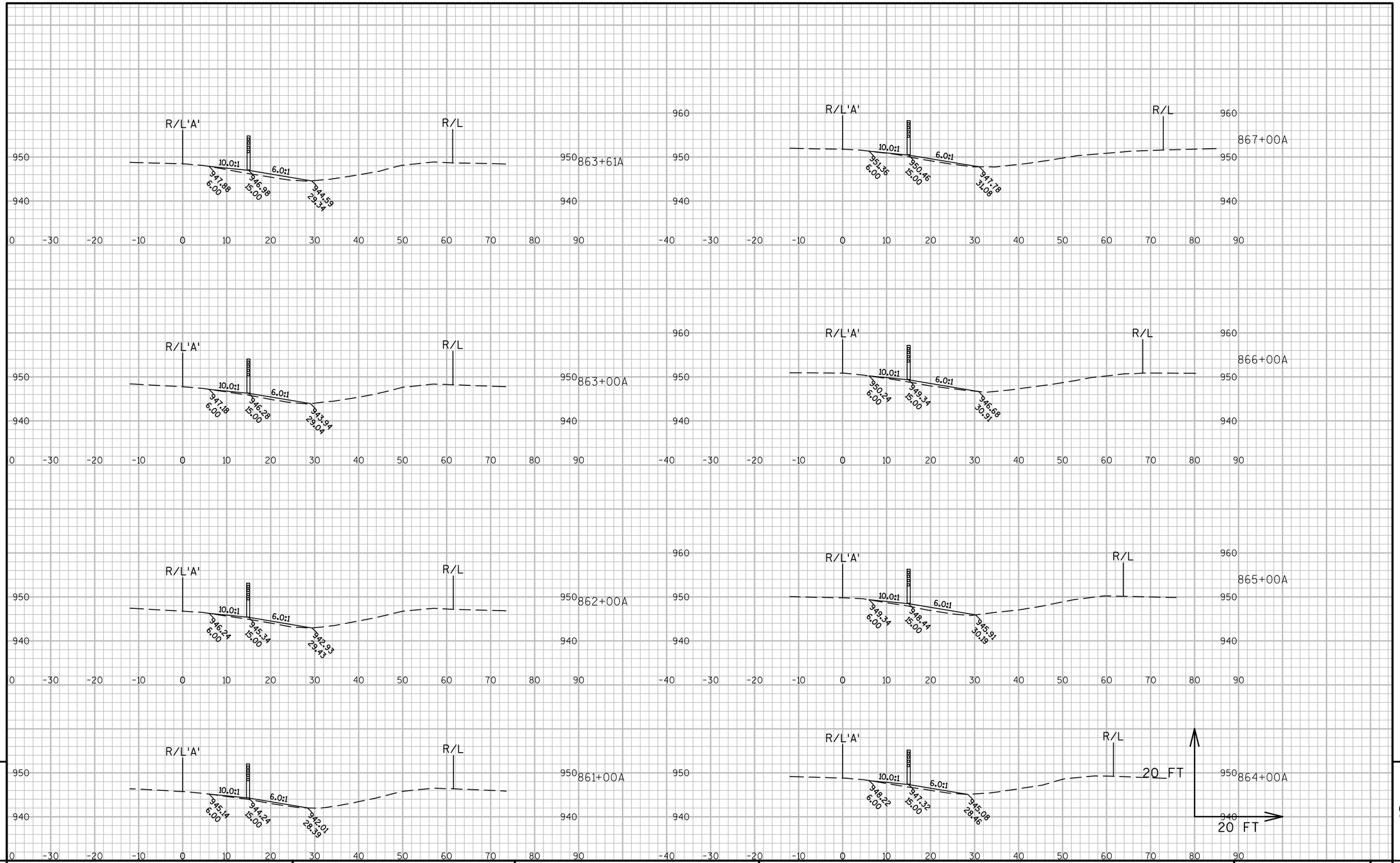
PROJECT NO:1016-02-60	HWY:IH 90/94	COUNTY:SAUK	CROSS SECTIONS:SAUK CENTRAL	SHEET 217	E

FILE NAME : N:\PDS\C3D\10160230\SHEETSPLAN\CROSS SECTIONS\090108_XS.DWG
LAYOUT NAME - ((1))
PLOT DATE : 3/21/2016 1:07 PM PLOT BY : MECUM, BRANDYN W PLOT NAME : PLOT SCALE : 1 IN:20 FT



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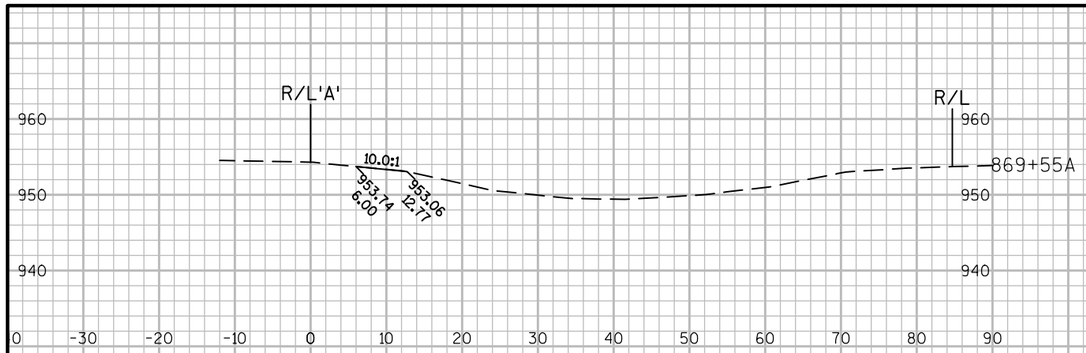
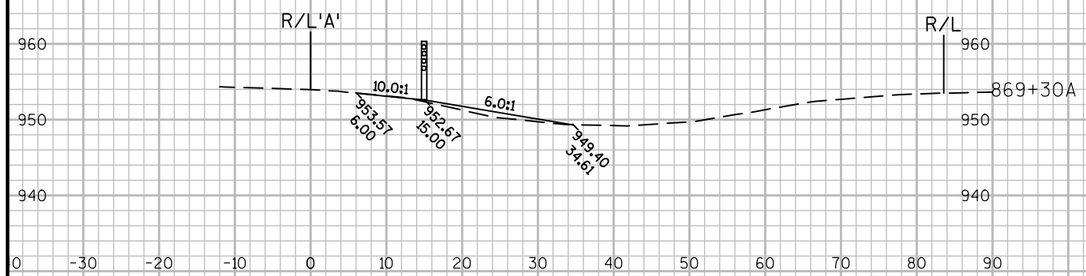
PROJECT NO:1016-02-60	HWY:IH 90/94	COUNTY:SAUK	CROSS SECTIONS:SAUK CENTRAL	SHEET 218	E

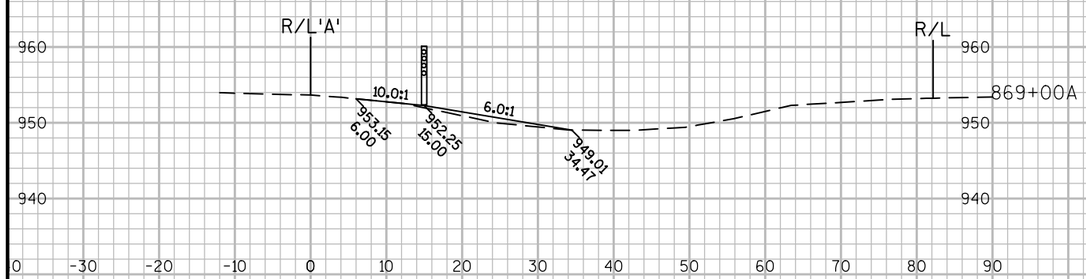
FILE NAME : N:\PDS\C3D\10160230\SHEETSPLAN\CROSS SECTIONS\090108_XS.DWG
LAYOUT NAME - ((2))

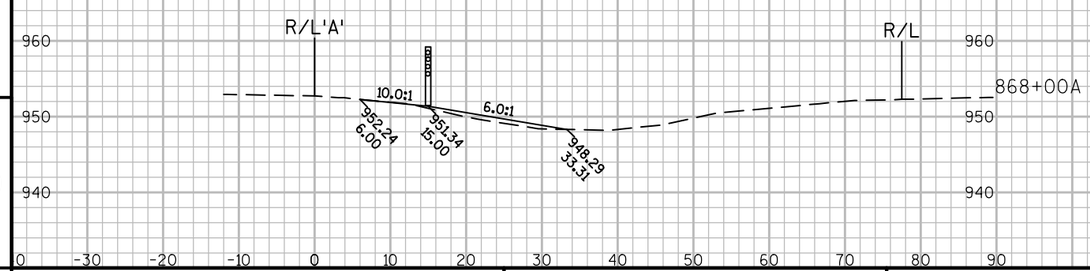
PLOT DATE : 3/21/2016 1:08 PM PLOT BY : MECUM, BRANDYN W PLOT NAME : PLOT SCALE : 1 IN:20 FT

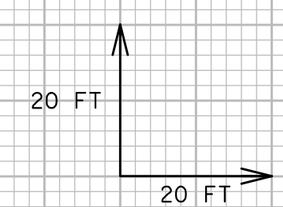
WISDOT/CADDS SHEET 49











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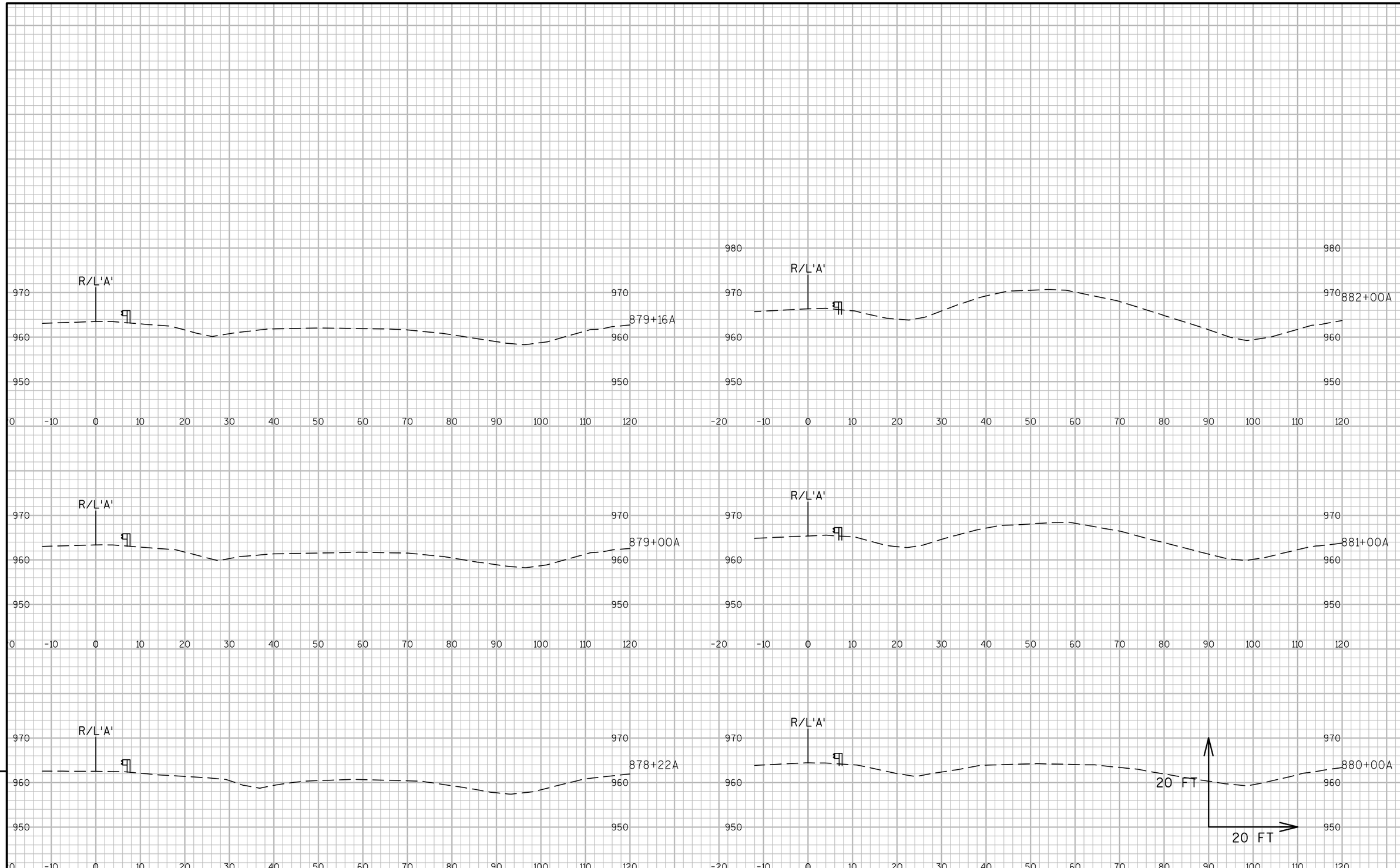
PROJECT NO:1016-02-60	HWY:IH 90/94	COUNTY:SAUK	CROSS SECTIONS:SAUK CENTRAL	SHEET 219	E



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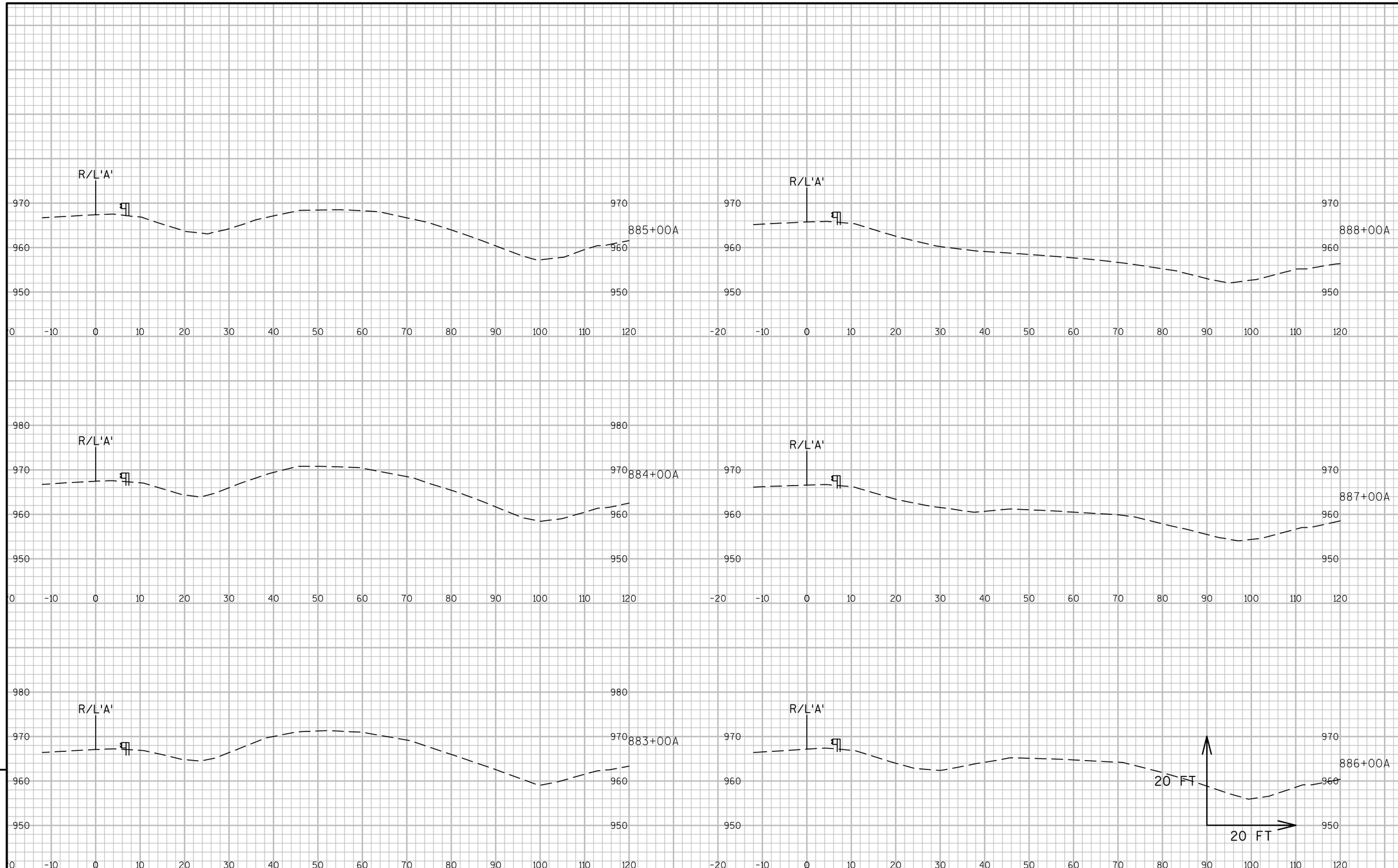
PROJECT NO:1016-02-60	HWY:IH 90/94	COUNTY:SAUK	CROSS SECTIONS:SAUK CENTRAL	SHEET 220	E

FILE NAME : N:\PDS\C3D\10160230\SHEETSPLAN\CROSS SECTIONS\090108_XS.DWG
LAYOUT NAME - (1)
PLOT DATE : 3/21/2016 1:08 PM PLOT BY : MECUM, BRANDYN W PLOT NAME : PLOT SCALE : 1 IN:20 FT



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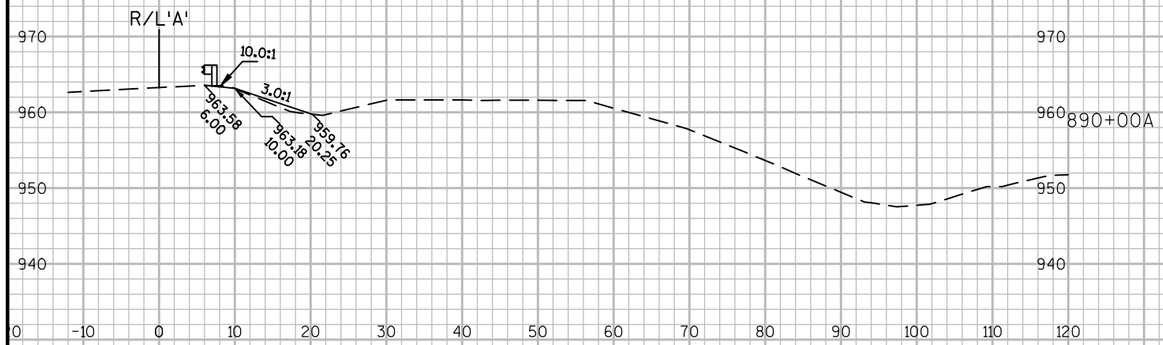
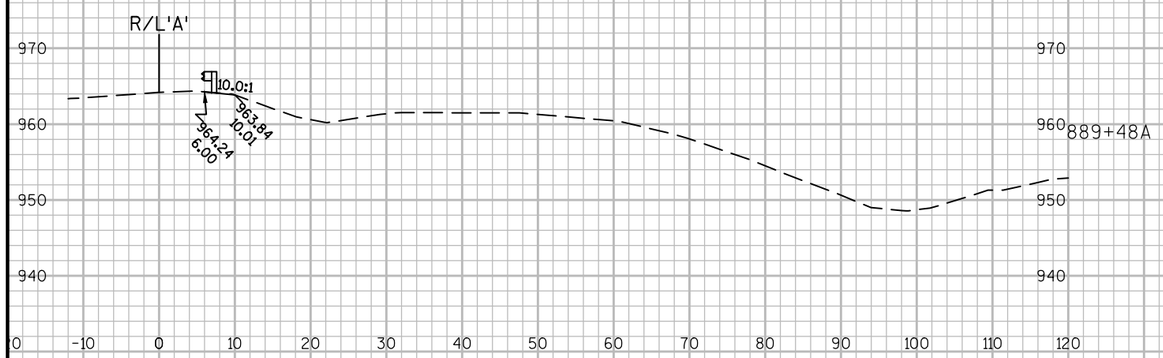
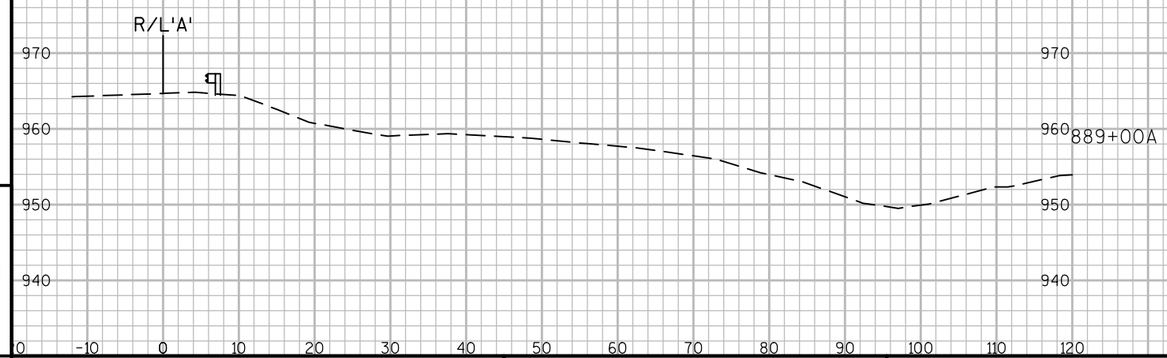
PROJECT NO:1016-02-60	HWY:IH 90/94	COUNTY:SAUK	CROSS SECTIONS:SAUK CENTRAL	SHEET 221	E

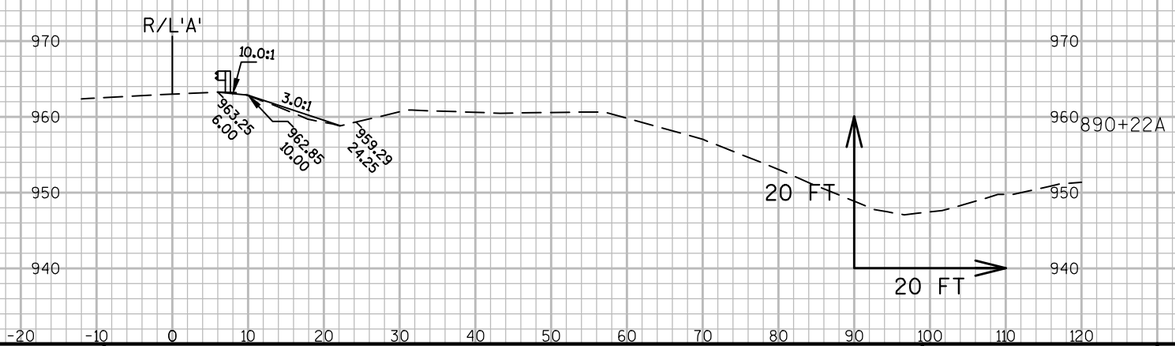
FILE NAME : N:\PDS\C3D\10160230\SHEETSPLAN\CROSS SECTIONS\090108_XS.DWG
LAYOUT NAME - (2)
PLOT DATE : 3/21/2016 1:08 PM PLOT BY : MECUM, BRANDYN W PLOT NAME : PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 49









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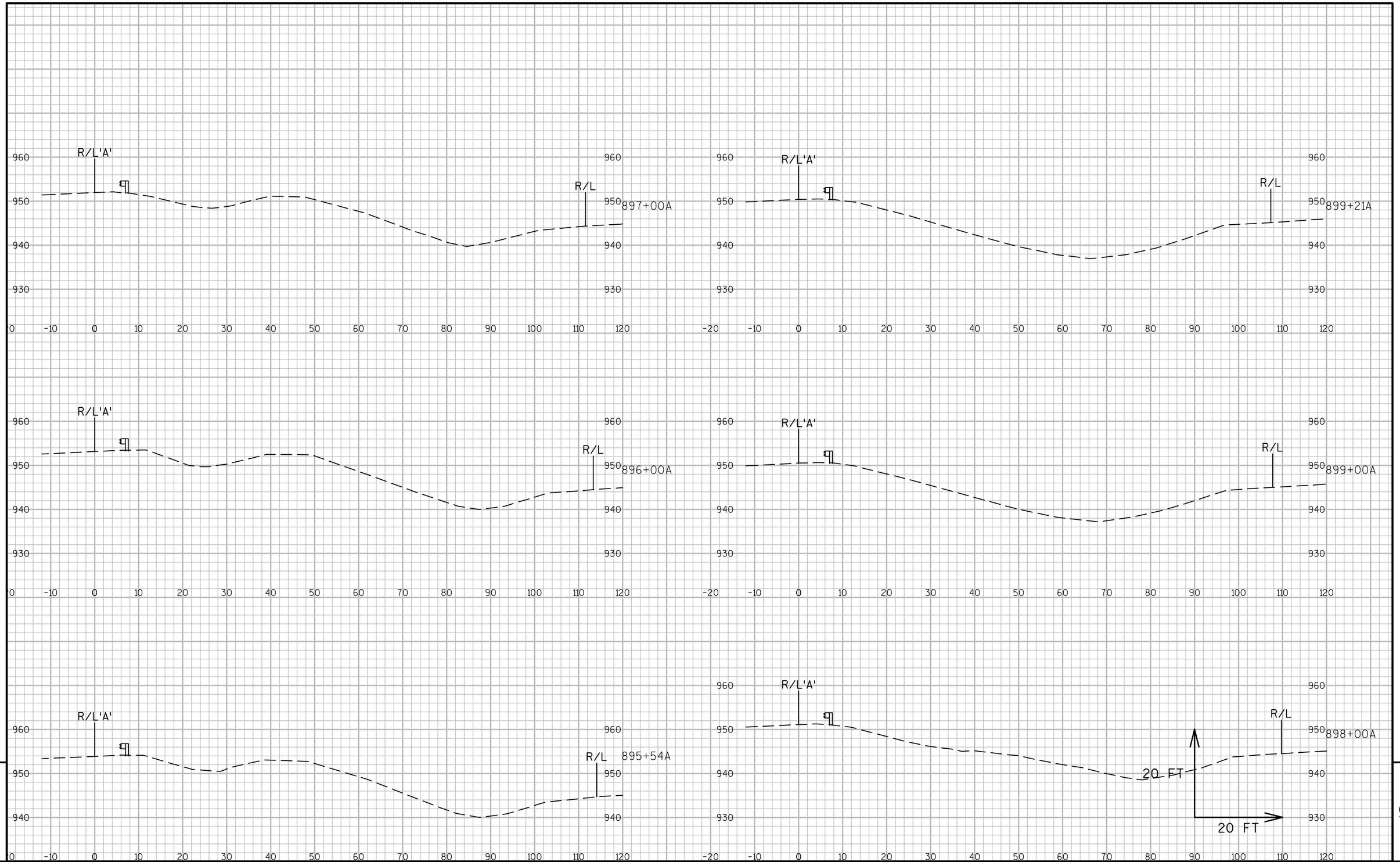
PROJECT NO:1016-02-60	HWY:IH 90/94	COUNTY:SAUK	CROSS SECTIONS:SAUK CENTRAL	SHEET 222	E

FILE NAME : N:\PDS\C3D\10160230\SHEETSPLAN\CROSS SECTIONS\090108_XS.DWG
LAYOUT NAME - (3)
PLOT DATE : 3/21/2016 1:09 PM PLOT BY : MECUM, BRANDYN W PLOT NAME : PLOT SCALE : 1 IN:20 FT



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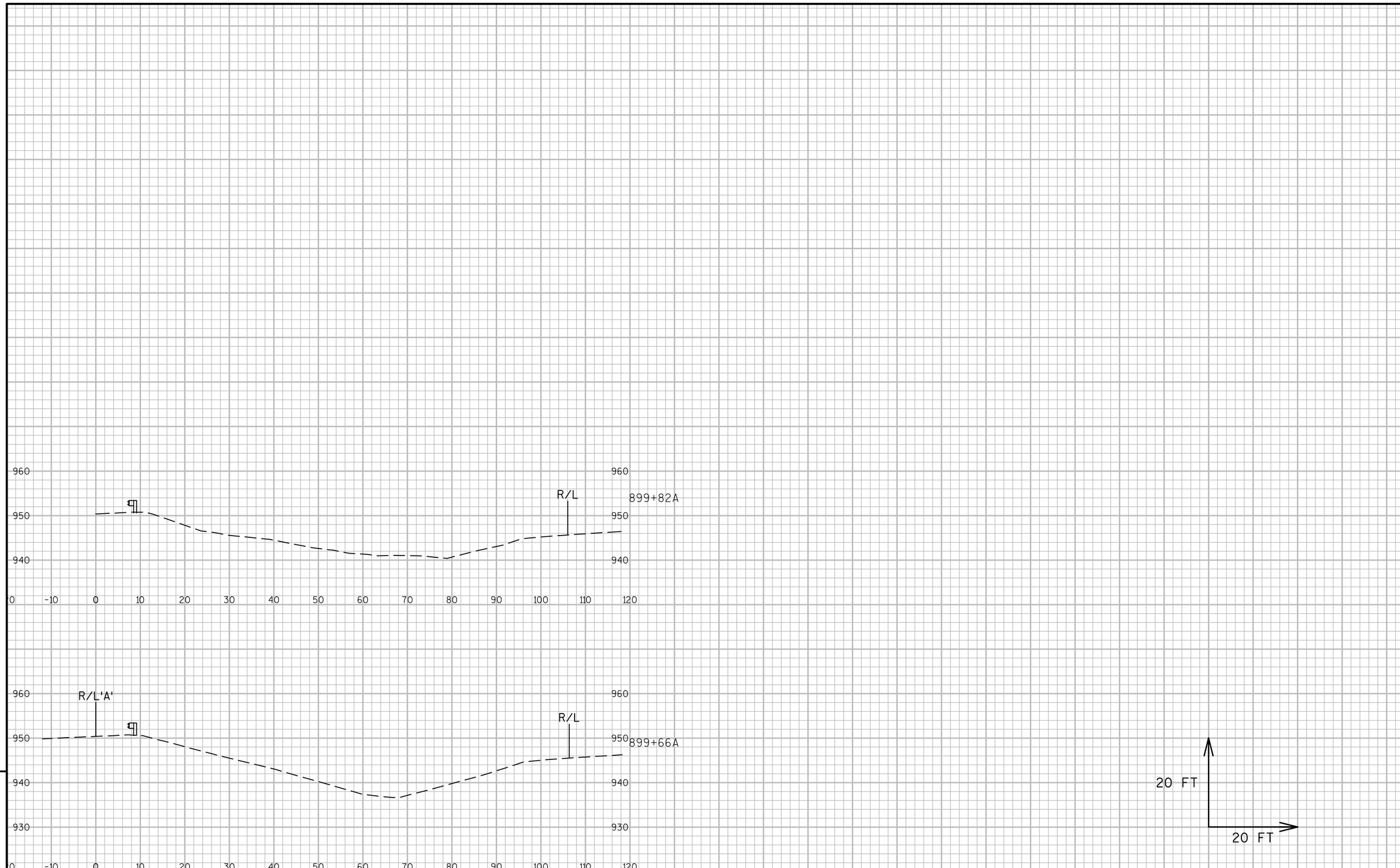
PROJECT NO:1016-02-60	HWY:IH 90/94	COUNTY:SAUK	CROSS SECTIONS:SAUK CENTRAL	SHEET 223	E

FILE NAME : N:\PDS\C3D\10160230\SHEETSPLAN\CROSS SECTIONS\090108_XS.DWG
LAYOUT NAME - 1

PLOT DATE : 3/21/2016 1:09 PM PLOT BY : MECUM, BRANDYN W PLOT NAME : PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 49



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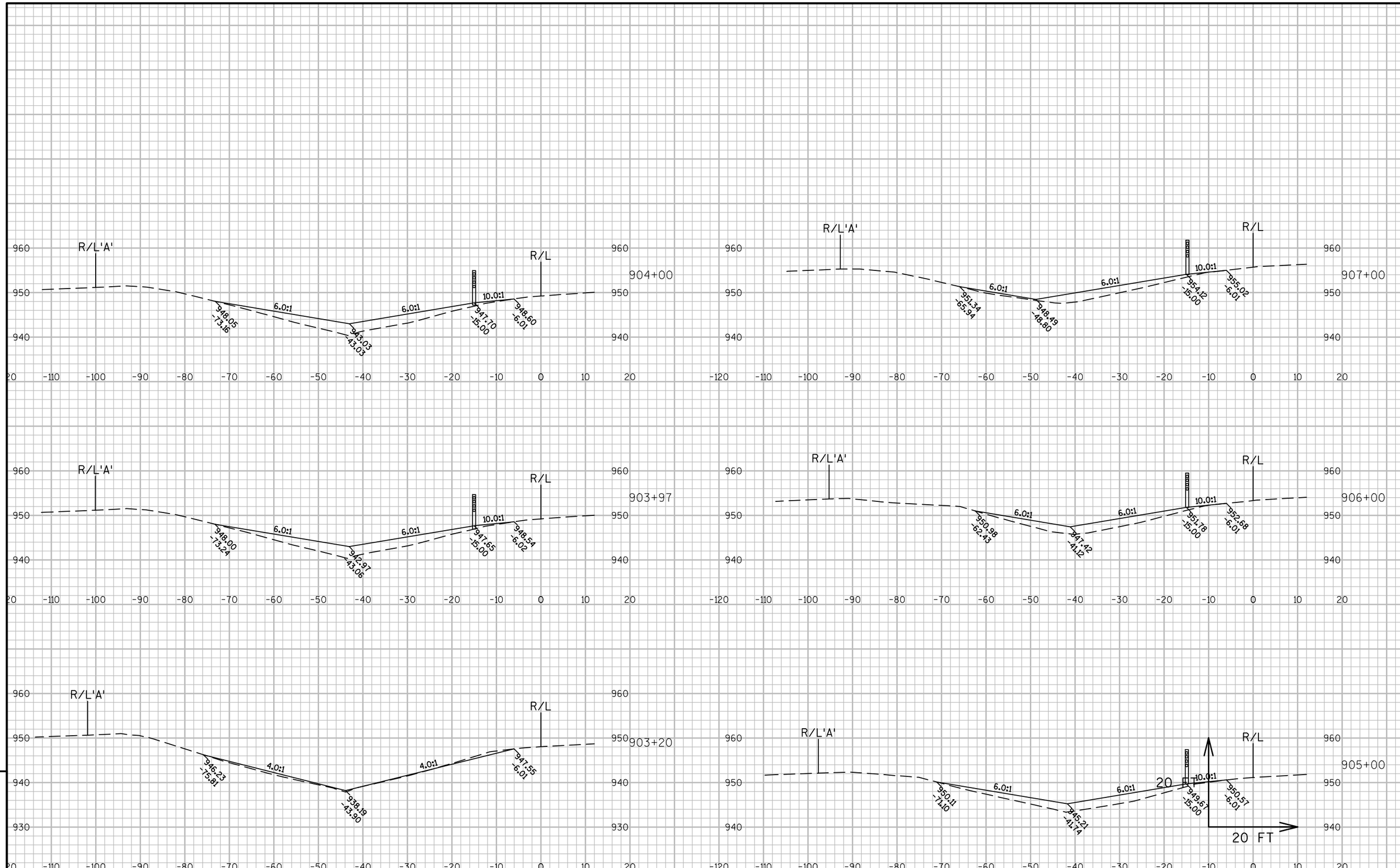
PROJECT NO:1016-02-60	HWY:IH 90/94	COUNTY:SAUK	CROSS SECTIONS:SAUK CENTRAL	SHEET 224	E

FILE NAME : N:\PDS\C3D\10160230\SHEETSPLAN\CROSS SECTIONS\090108_XS.DWG
LAYOUT NAME - 2

PLOT DATE : 3/21/2016 1:09 PM PLOT BY : MECUM, BRANDYN W PLOT NAME : PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 49



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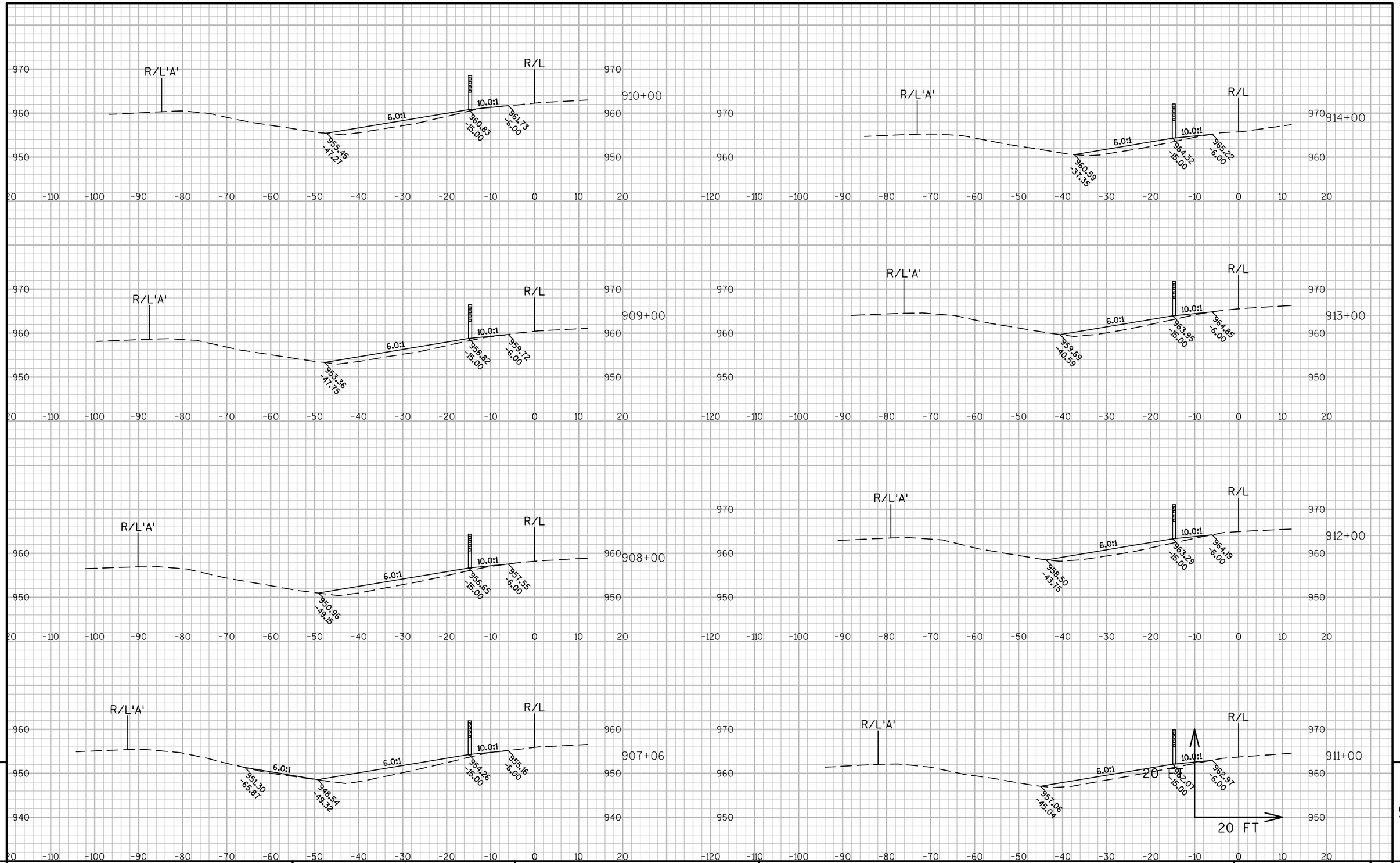
PROJECT NO:1016-02-60	HWY:IH 90/94	COUNTY:SAUK	CROSS SECTIONS:SAUK SOUTH	SHEET 225	E

FILE NAME : N:\PDS\C3D\10160230\SHEETSPLAN\CROSS SECTIONS\090109_XS.DWG
LAYOUT NAME - (1)
PLOT DATE : 3/22/2016 8:02 AM PLOT BY : MECUM, BRANDYN W PLOT NAME : PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 49



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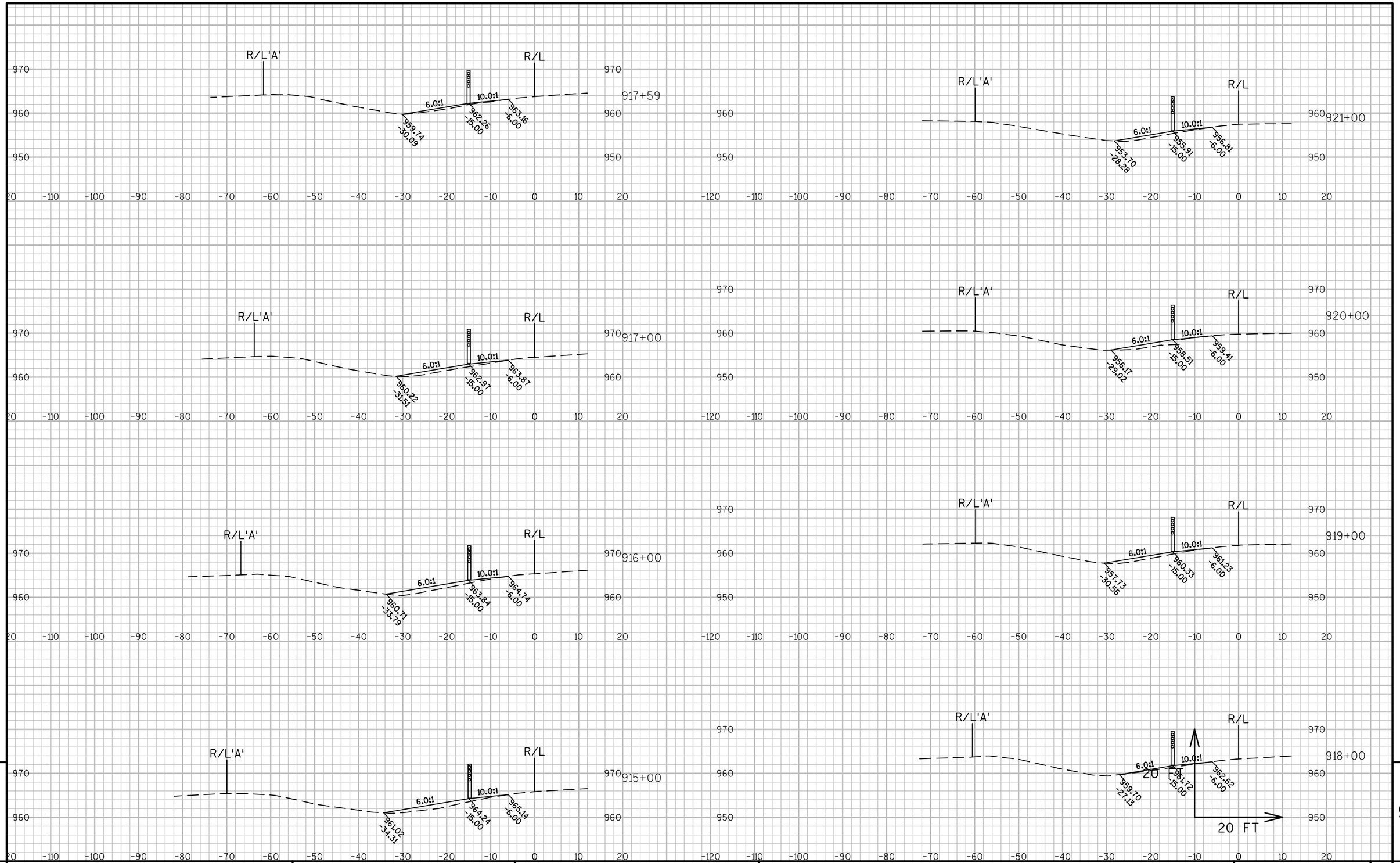
PROJECT NO:1016-02-60	HWY:IH 90/94	COUNTY:SAUK	CROSS SECTIONS:SAUK SOUTH	SHEET 226	E

FILE NAME : N:\PDS\C3D\10160230\SHEETSPLAN\CROSS SECTIONS\090109_XS.DWG
LAYOUT NAME - (2)
PLOT DATE : 3/22/2016 8:03 AM PLOT BY : MECUM, BRANDYN W PLOT NAME : PLOT SCALE : 1 IN:20 FT



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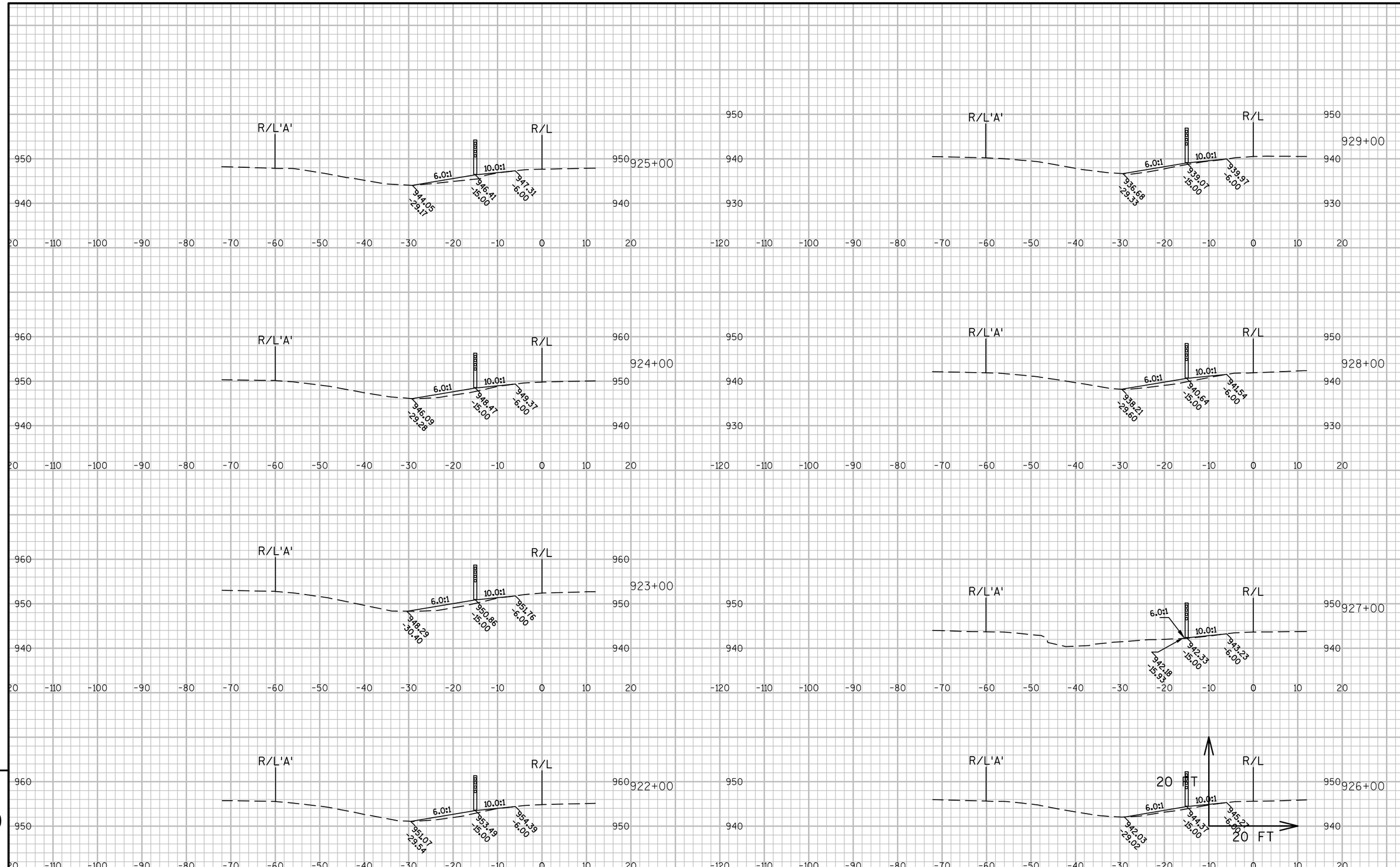
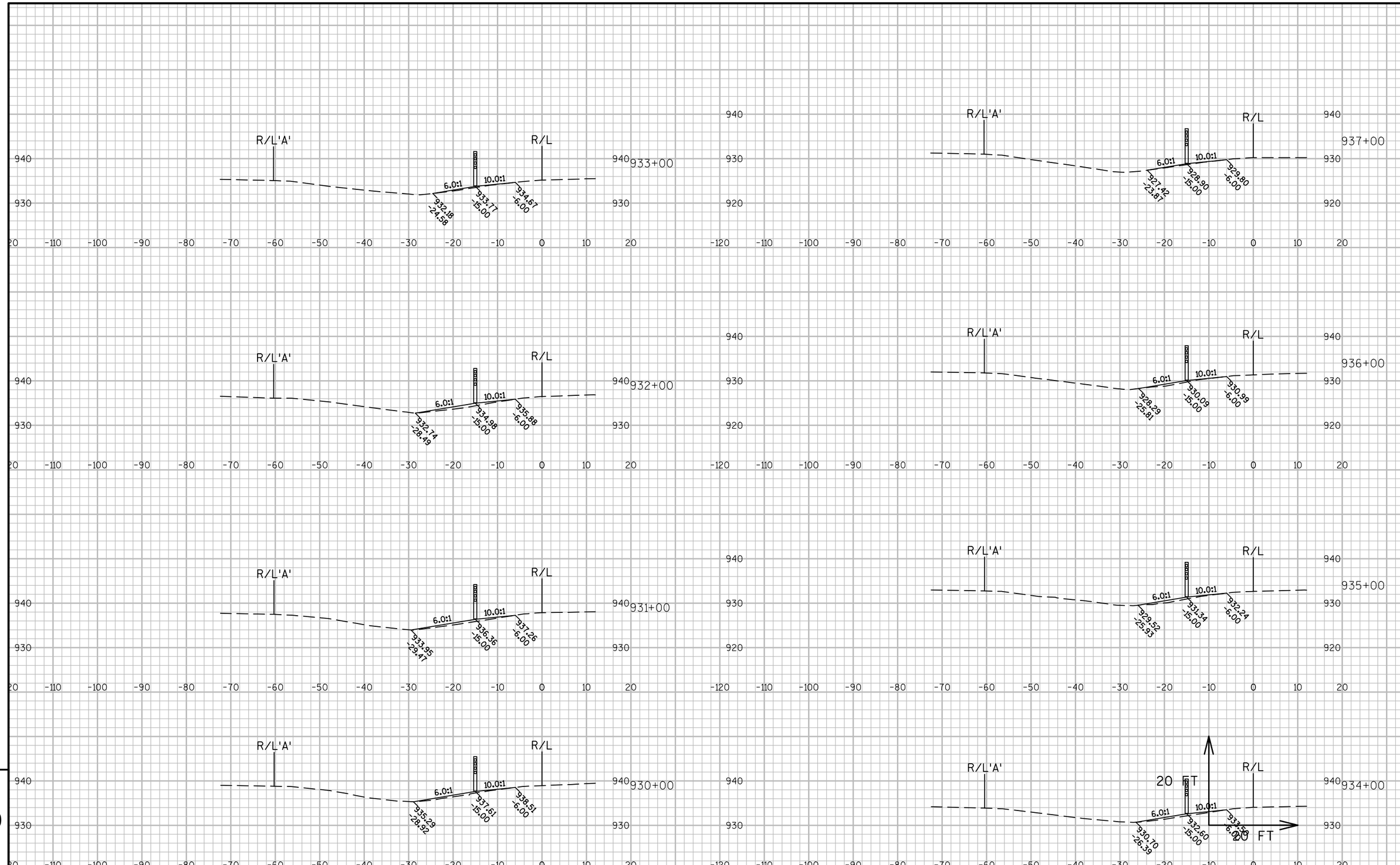
PROJECT NO:1016-02-60	HWY:IH 90/94	COUNTY:SAUK	CROSS SECTIONS:SAUK SOUTH	SHEET 227	E

FILE NAME : N:\PDS\C3D\10160230\SHEETSPLAN\CROSS SECTIONS\090109_XS.DWG
LAYOUT NAME - (3)
PLOT DATE : 3/22/2016 8:03 AM PLOT BY : MECUM, BRANDYN W PLOT NAME : PLOT SCALE : 1 IN:20 FT



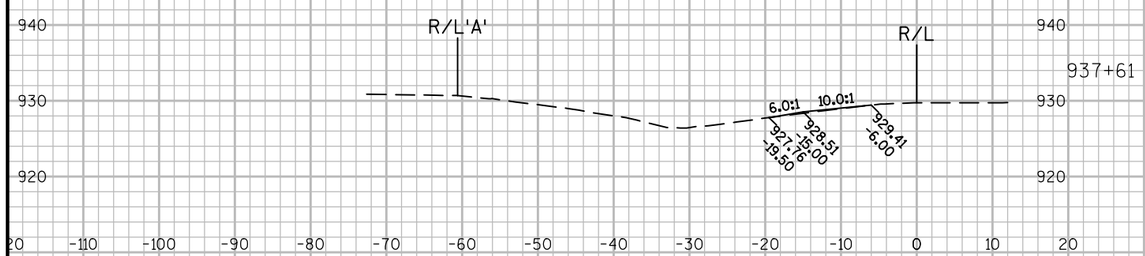
PROJECT NO:1016-02-60	HWY:IH 90/94	COUNTY:SAUK	CROSS SECTIONS:SAUK SOUTH	SHEET 228	E

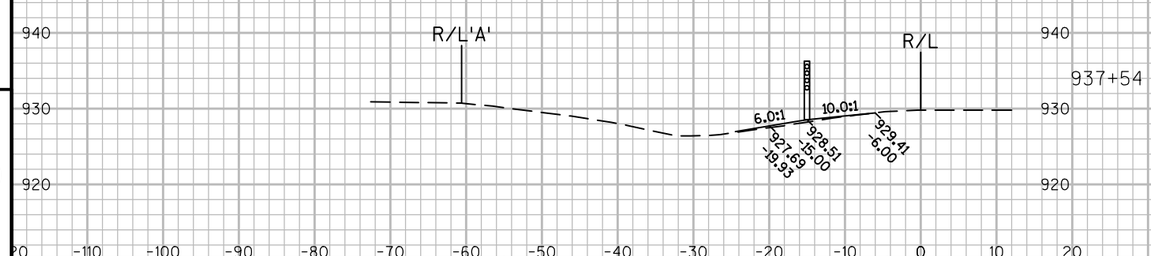
FILE NAME : N:\PDS\C3D\10160230\SHEETSPLAN\CROSS SECTIONS\090109_XS.DWG
LAYOUT NAME - (4)
PLOT DATE : 3/22/2016 8:04 AM PLOT BY : MECUM, BRANDYN W PLOT NAME : PLOT SCALE : 1 IN:20 FT

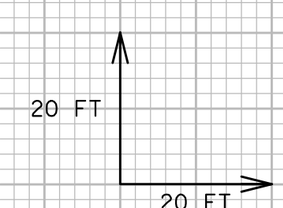


PROJECT NO:1016-02-60	HWY:IH 90/94	COUNTY:SAUK	CROSS SECTIONS:SAUK SOUTH	SHEET 229	E

FILE NAME : N:\PDS\C3D\10160230\SHEETSPLAN\CROSS SECTIONS\090109_XS.DWG
LAYOUT NAME - (5)
PLOT DATE : 3/22/2016 8:04 AM PLOT BY : MECUM, BRANDYN W PLOT NAME : PLOT SCALE : 1 IN:20 FT







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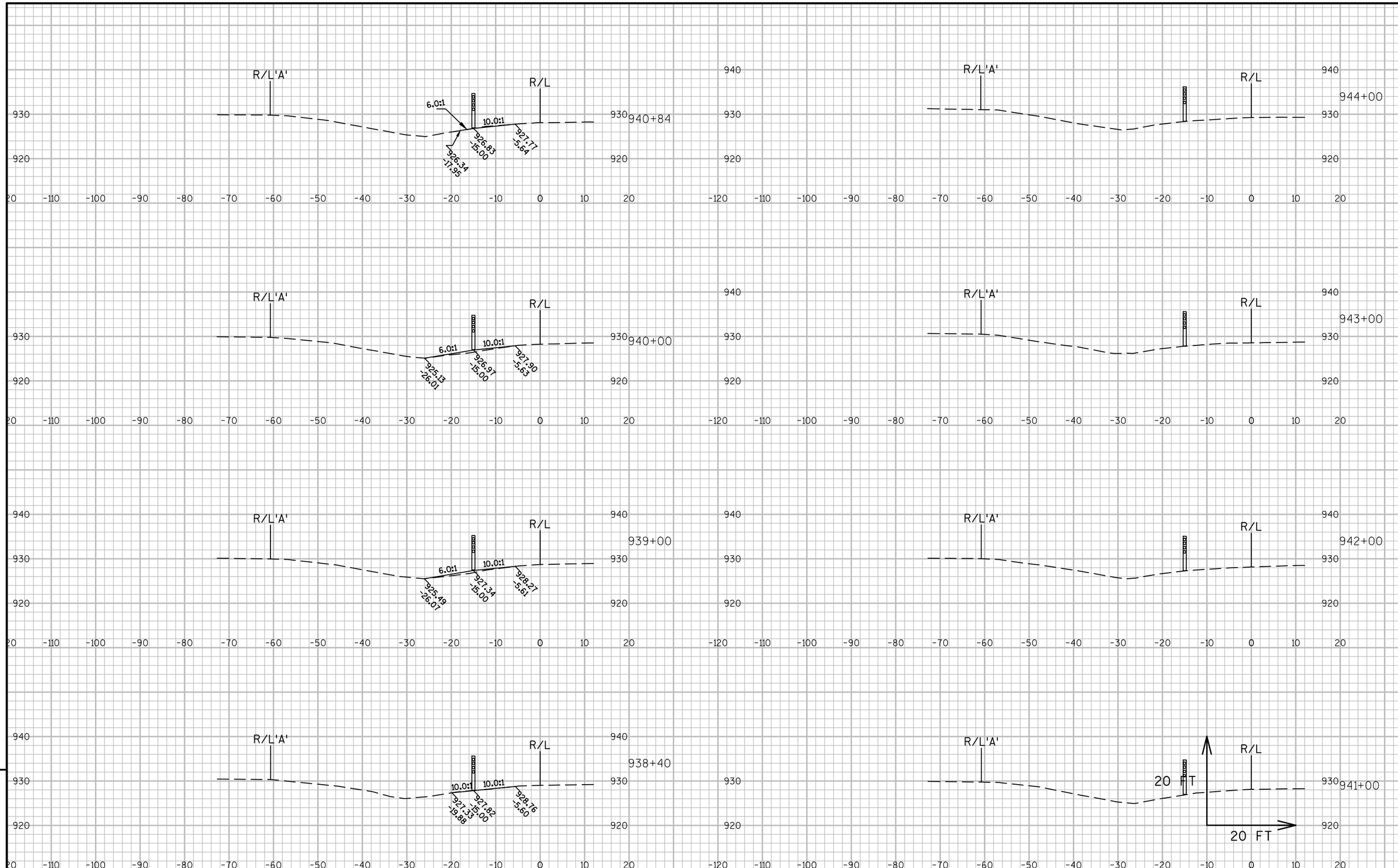
PROJECT NO:1016-02-60	HWY:IH 90/94	COUNTY:SAUK	CROSS SECTIONS:SAUK SOUTH	SHEET 230	E

FILE NAME : N:\PDS\C3D\10160230\SHEETSPLAN\CROSS SECTIONS\090109_XS.DWG
LAYOUT NAME - (6)
PLOT DATE : 3/22/2016 8:04 AM PLOT BY : MECUM, BRANDYN W PLOT NAME : PLOT SCALE : 1 IN:20 FT



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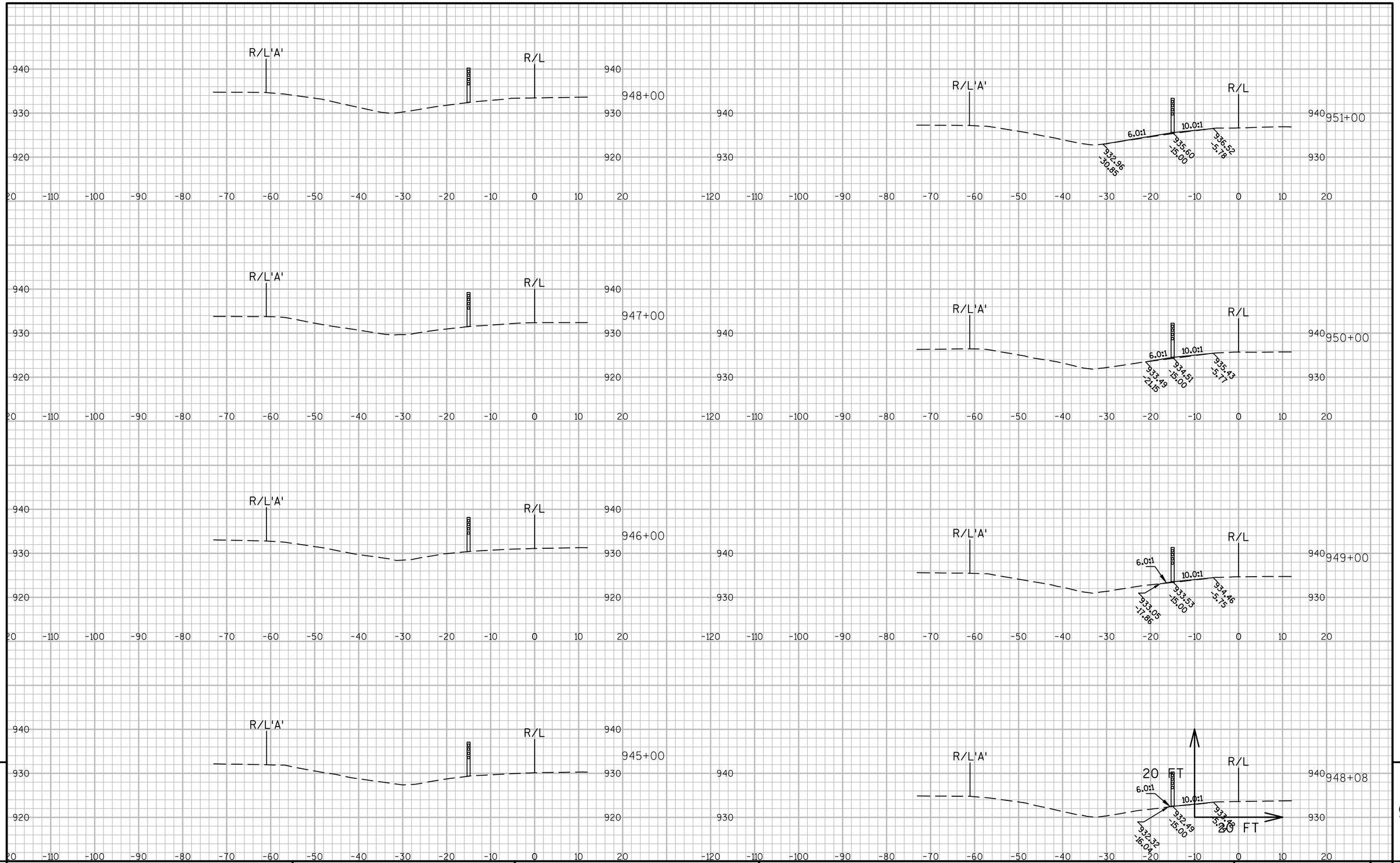
PROJECT NO:1016-02-60	HWY:IH 90/94	COUNTY:SAUK	CROSS SECTIONS:SAUK SOUTH	SHEET 231	E

FILE NAME : N:\PDS\C3D\10160230\SHEETSPLAN\CROSS SECTIONS\090109_XS.DWG
LAYOUT NAME - 1

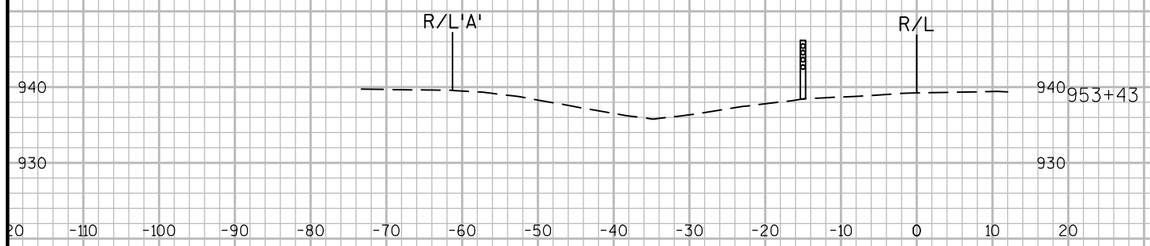
PLOT DATE : 3/22/2016 8:05 AM PLOT BY : MECUM, BRANDYN W PLOT NAME : PLOT SCALE : 1 IN:20 FT

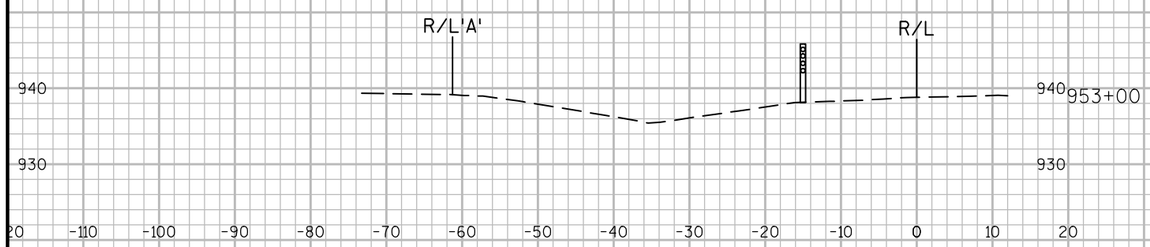
WISDOT/CADDS SHEET 49

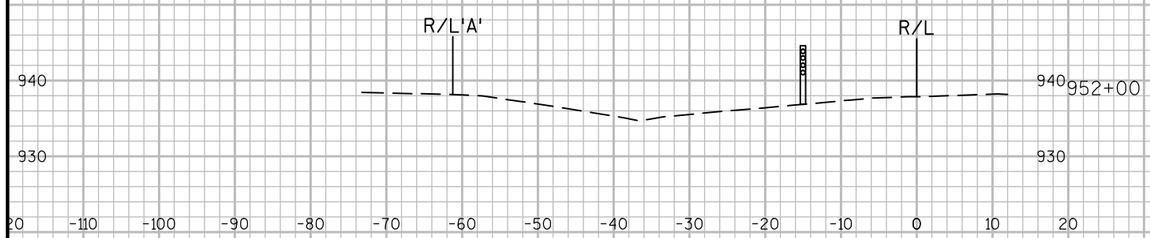


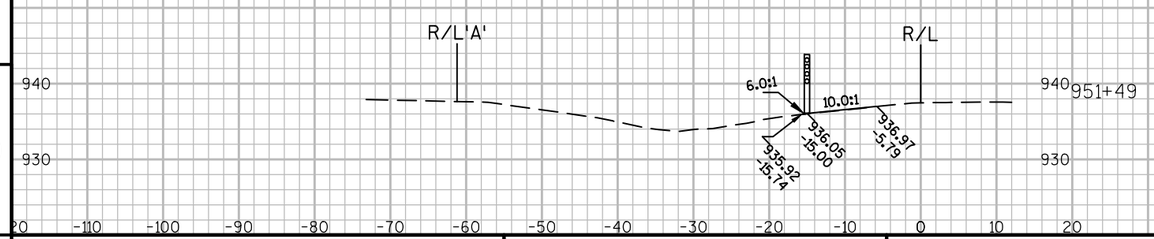
PROJECT NO:1016-02-60	HWY:IH 90/94	COUNTY:SAUK	CROSS SECTIONS:SAUK SOUTH	SHEET 232	E

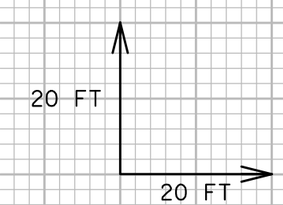
FILE NAME : N:\PDS\C3D\10160230\SHEETSPLAN\CROSS SECTIONS\090109_XS.DWG
LAYOUT NAME - 2
PLOT DATE : 3/22/2016 8:05 AM PLOT BY : MECUM, BRANDYN W PLOT NAME : PLOT SCALE : 1 IN:20 FT











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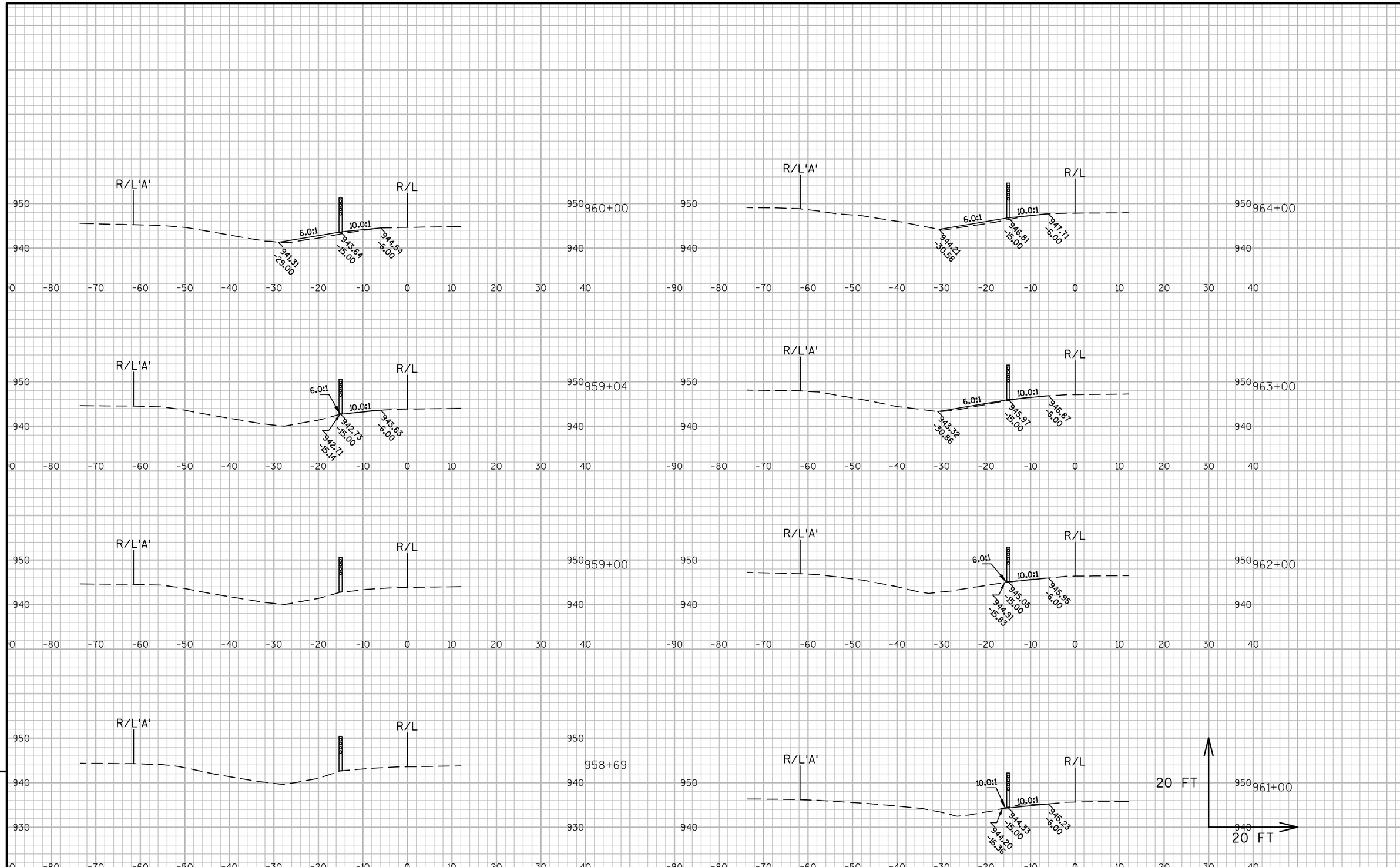
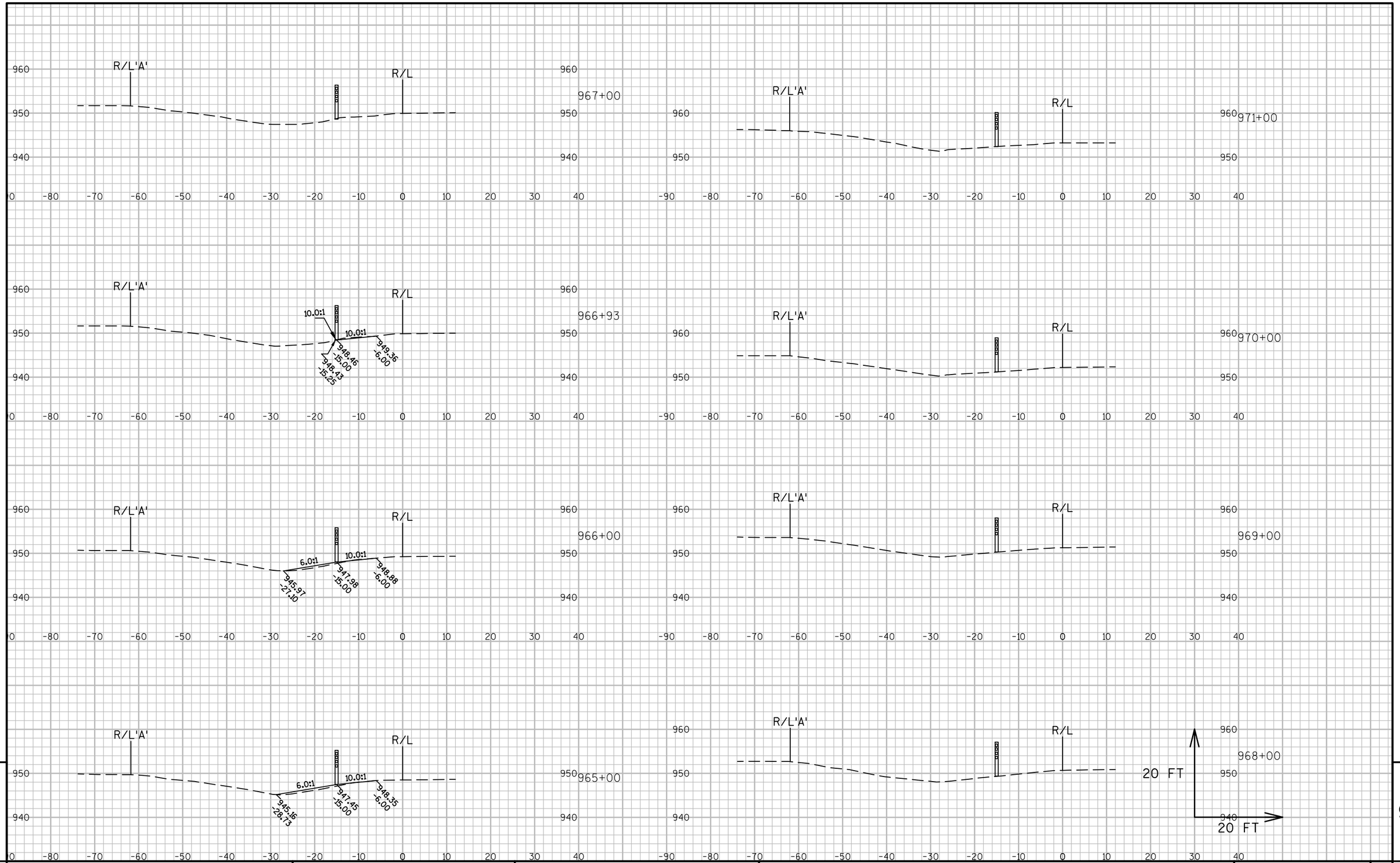
PROJECT NO:1016-02-60	HWY:IH 90/94	COUNTY:SAUK	CROSS SECTIONS:SAUK SOUTH	SHEET 233	E

FILE NAME : N:\PDS\C3D\10160230\SHEETSPLAN\CROSS SECTIONS\090109_XS.DWG
LAYOUT NAME - 3
PLOT DATE : 3/22/2016 8:05 AM PLOT BY : MECUM, BRANDYN W PLOT NAME : PLOT SCALE : 1 IN:20 FT



PROJECT NO:1016-02-60	HWY:IH 90/94	COUNTY:SAUK	CROSS SECTIONS:SAUK SOUTH	SHEET 234	E

FILE NAME : N:\PDS\C3D\10160230\SHEETSPLAN\CROSS SECTIONS\090110_XS.DWG
LAYOUT NAME - ((1))
PLOT DATE : 3/22/2016 10:12 AM PLOT BY : MECUM, BRANDYN W PLOT NAME : PLOT SCALE : 1 IN:20 FT



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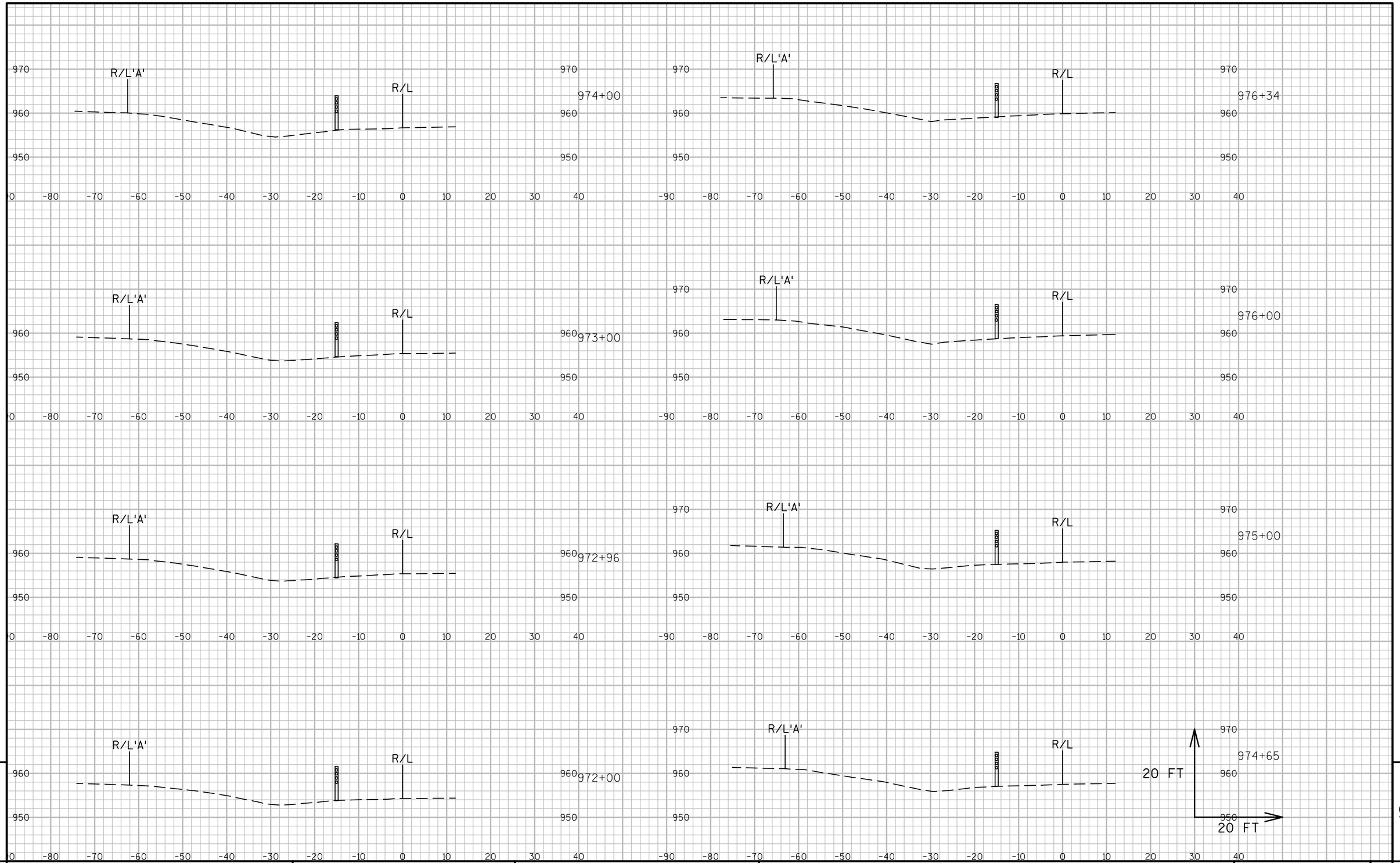
9

PROJECT NO:1016-02-60	HWY:IH 90/94	COUNTY:SAUK	CROSS SECTIONS:SAUK SOUTH	SHEET 235	E

FILE NAME : N:\PDS\C3D\10160230\SHEETSPLAN\CROSS SECTIONS\090110_XS.DWG
LAYOUT NAME - ((2))
PLOT DATE : 3/22/2016 10:13 AM PLOT BY : MECUM, BRANDYN W PLOT NAME : PLOT SCALE : 1 IN:20 FT



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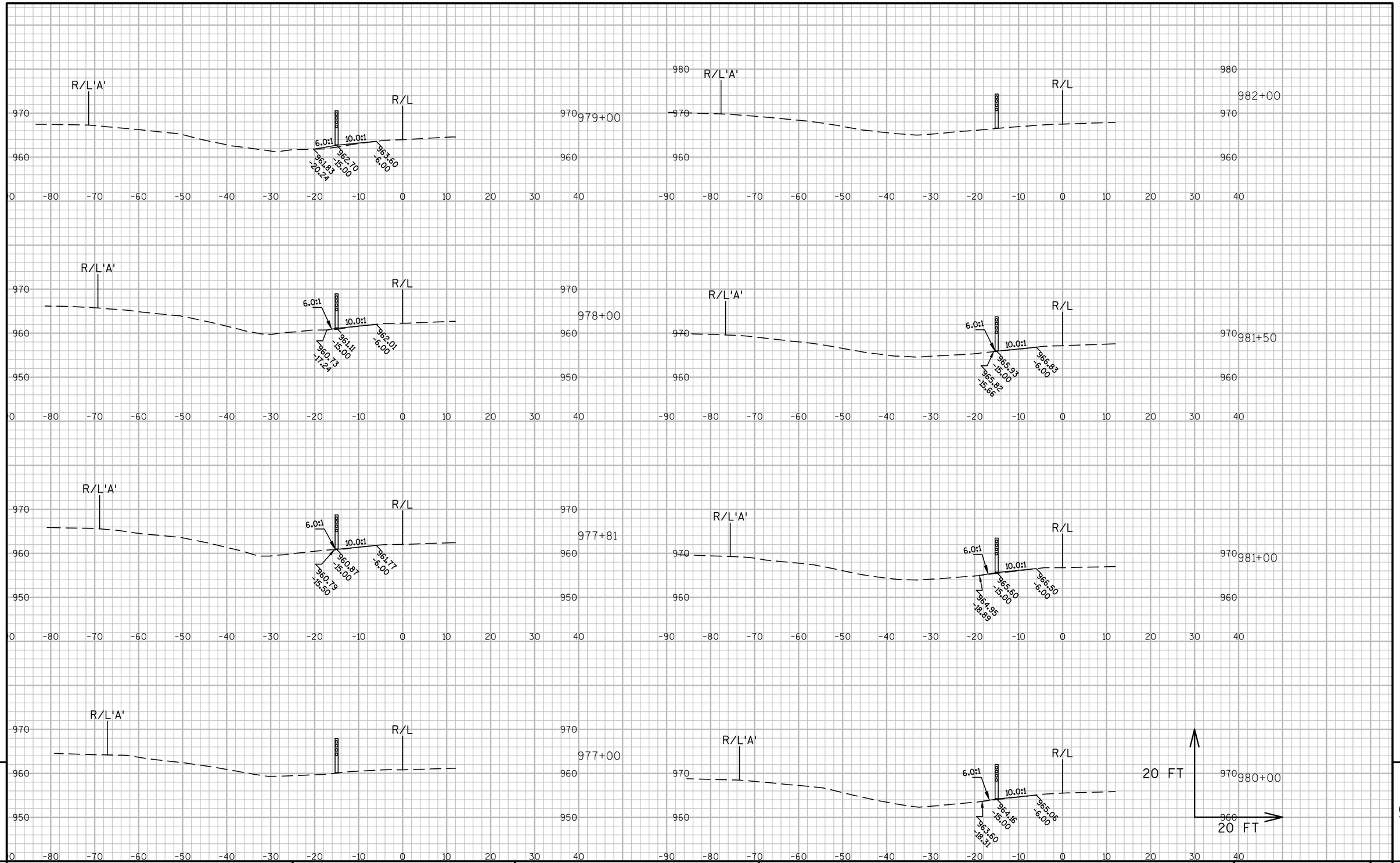
9

PROJECT NO:1016-02-60	HWY:IH 90/94	COUNTY:SAUK	CROSS SECTIONS:SAUK SOUTH	SHEET 236	E

FILE NAME : N:\PDS\C3D\10160230\SHEETSPLAN\CROSS SECTIONS\090110_XS.DWG
LAYOUT NAME - ((3))
PLOT DATE : 3/22/2016 10:13 AM PLOT BY : MECUM, BRANDYN W PLOT NAME : PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 49



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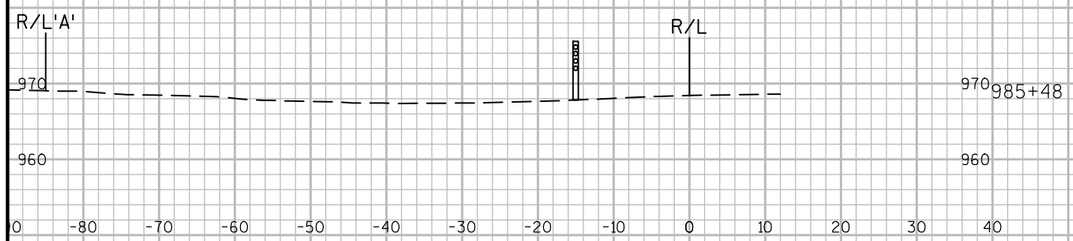
9

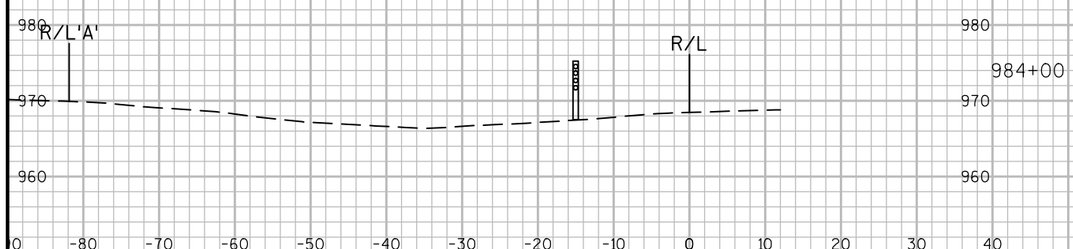
PROJECT NO:1016-02-60	HWY:IH 90/94	COUNTY:SAUK	CROSS SECTIONS:SAUK SOUTH	SHEET 237	E

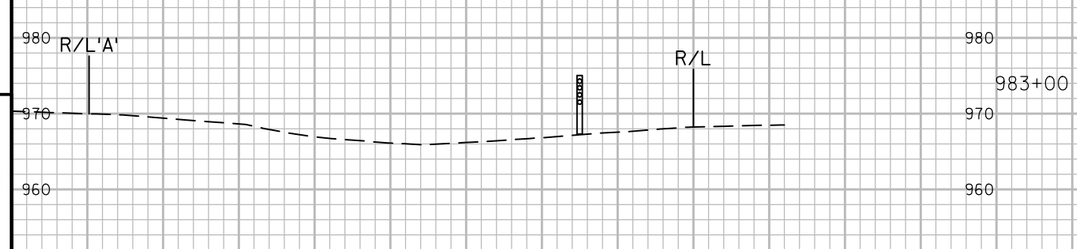
FILE NAME : N:\PDS\C3D\10160230\SHEETSPLAN\CROSS SECTIONS\090110_XS.DWG
LAYOUT NAME - ((4))

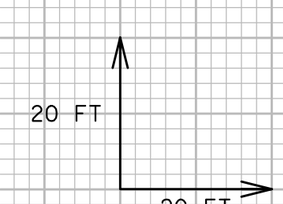
PLOT DATE : 3/22/2016 10:14 AM PLOT BY : MECUM, BRANDYN W PLOT NAME : PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 49









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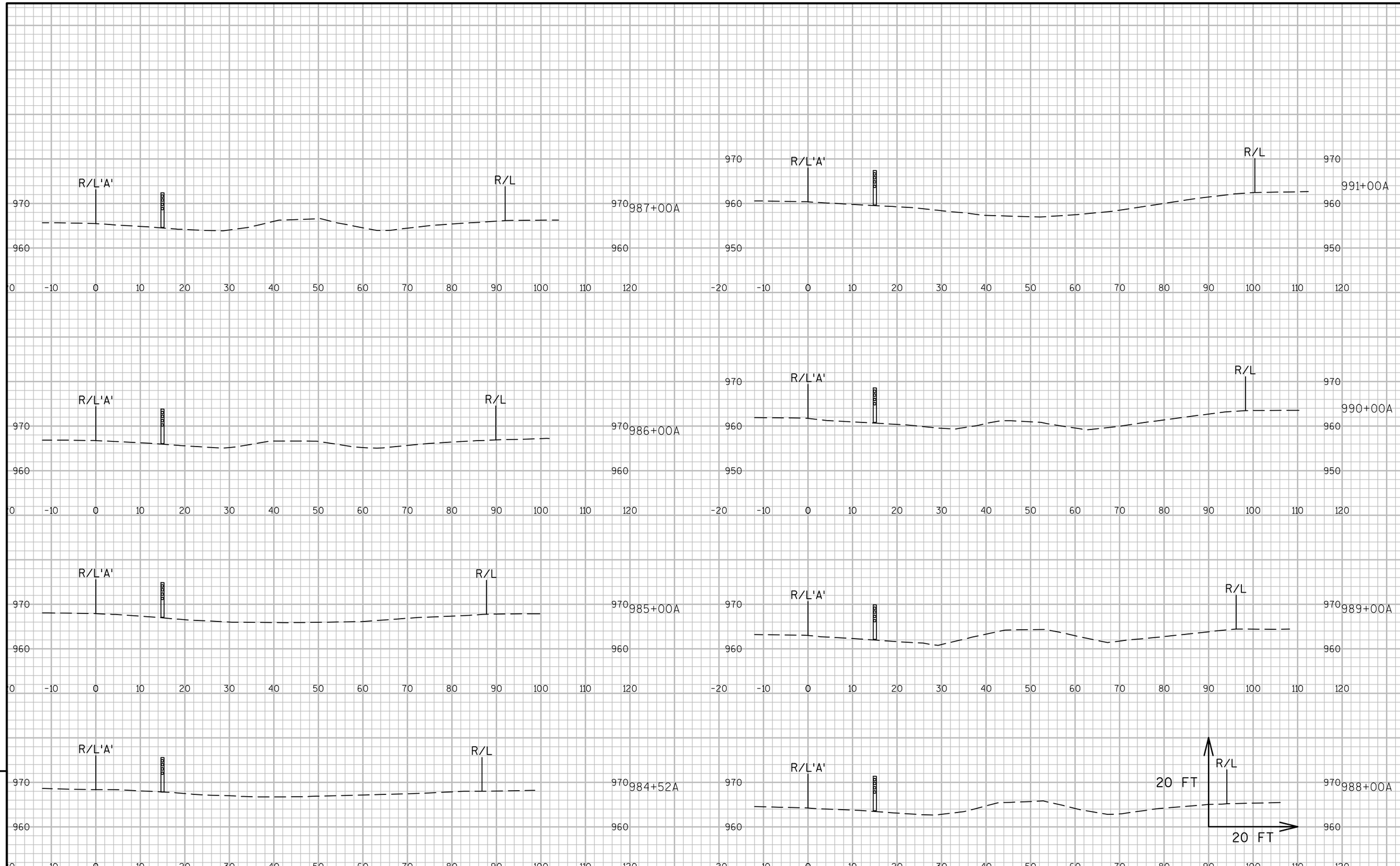
9

PROJECT NO:1016-02-60	HWY:IH 90/94	COUNTY:SAUK	CROSS SECTIONS:SAUK SOUTH	SHEET 238	E

FILE NAME : N:\PDS\C3D\10160230\SHEETSPLAN\CROSS SECTIONS\090110_XS.DWG
LAYOUT NAME - ((5))

PLOT DATE : 3/22/2016 10:14 AM PLOT BY : MECUM, BRANDYN W PLOT NAME : PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 49



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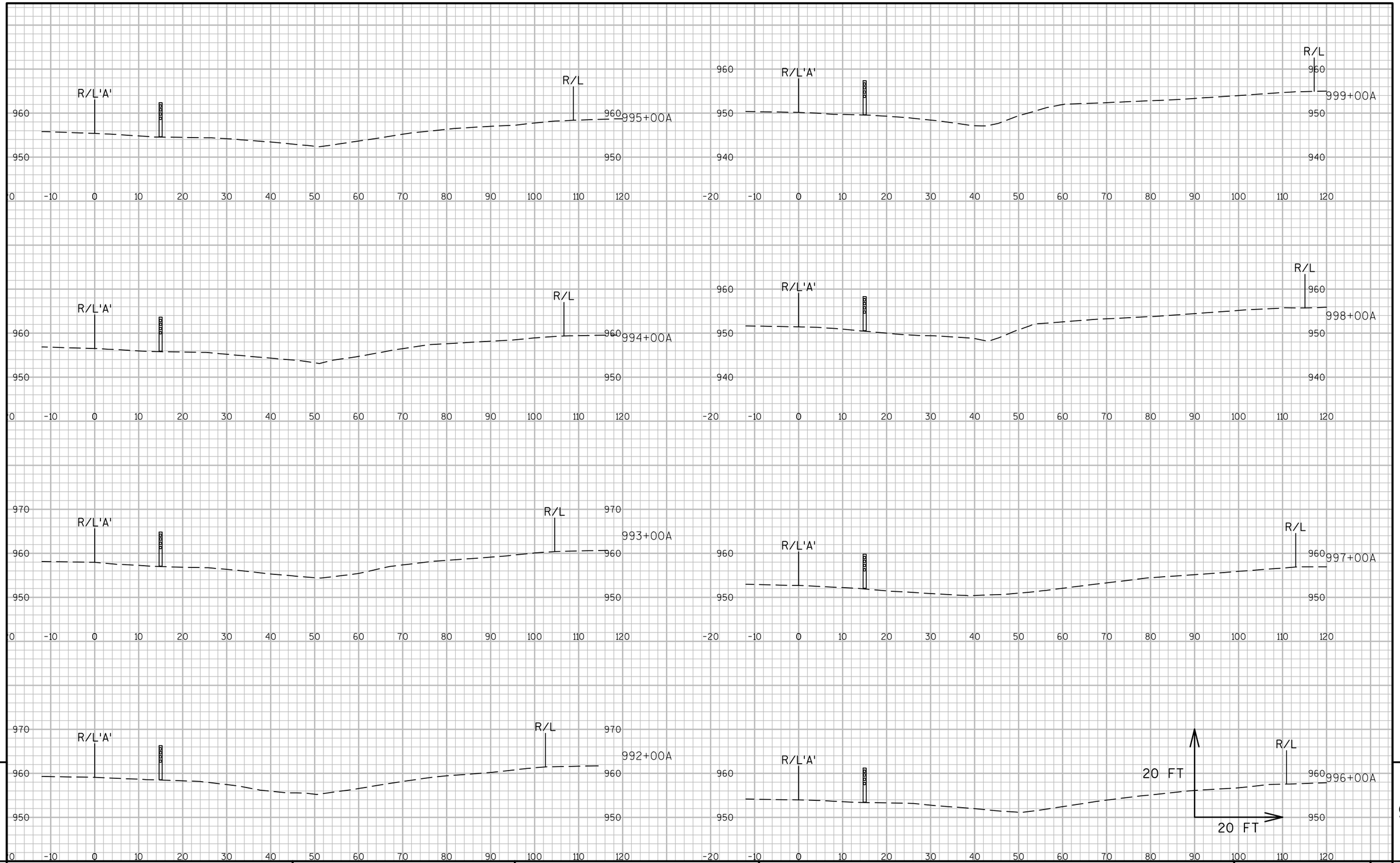
9

PROJECT NO:1016-02-60	HWY:IH 90/94	COUNTY:SAUK	CROSS SECTIONS:SAUK SOUTH	SHEET 239	E

FILE NAME : N:\PDS\C3D\10160230\SHEETSPLAN\CROSS SECTIONS\090110_XS.DWG
LAYOUT NAME - (1)
PLOT DATE : 3/22/2016 10:15 AM PLOT BY : MECUM, BRANDYN W PLOT NAME : PLOT SCALE : 1 IN:20 FT



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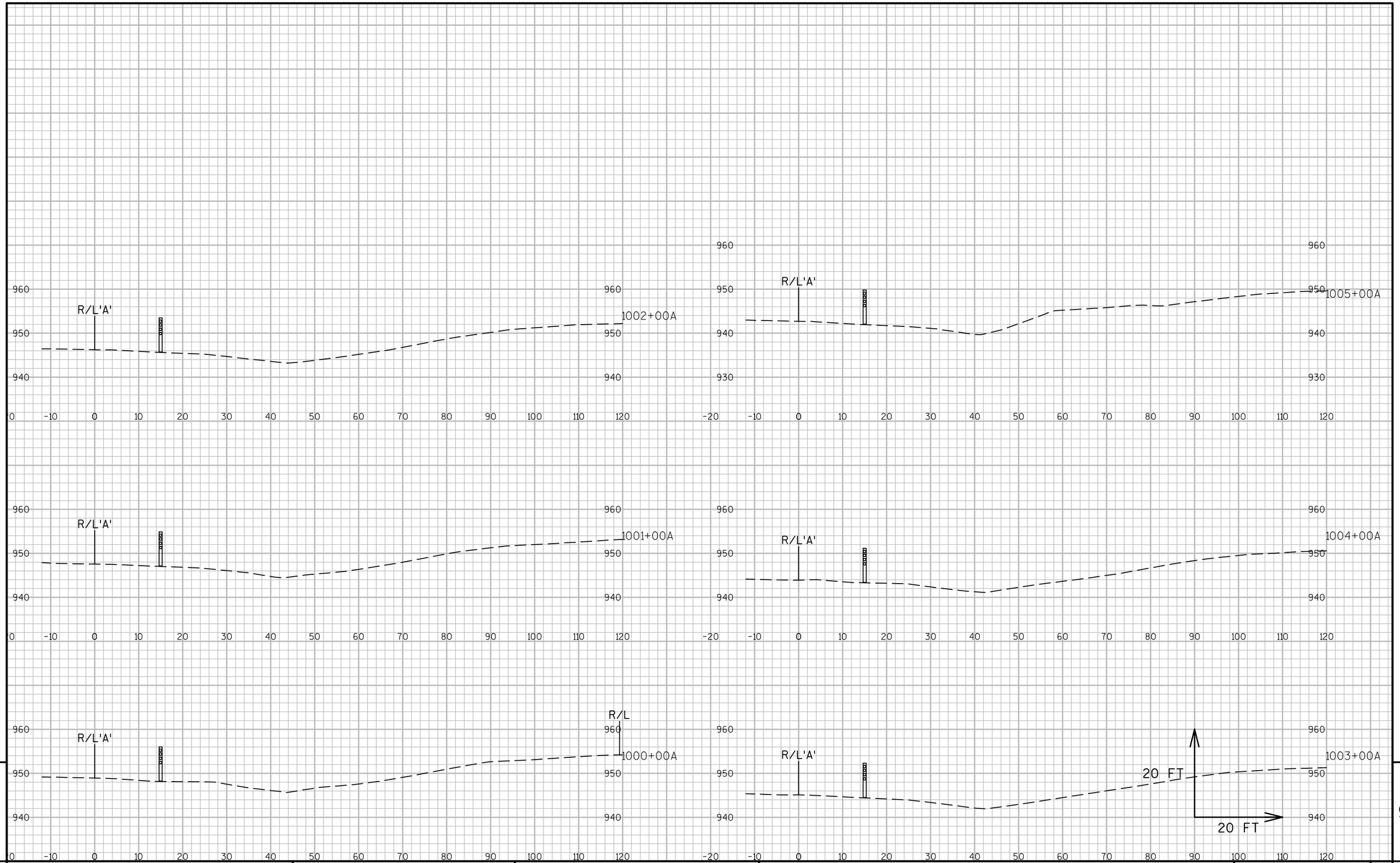
9

PROJECT NO:1016-02-60	HWY:IH 90/94	COUNTY:SAUK	CROSS SECTIONS:SAUK SOUTH	SHEET 240	E

FILE NAME : N:\PDS\C3D\10160230\SHEETSPLAN\CROSS SECTIONS\090110_XS.DWG
LAYOUT NAME - (2)
PLOT DATE : 3/22/2016 10:15 AM PLOT BY : MECUM, BRANDYN W PLOT NAME : PLOT SCALE : 1 IN:20 FT



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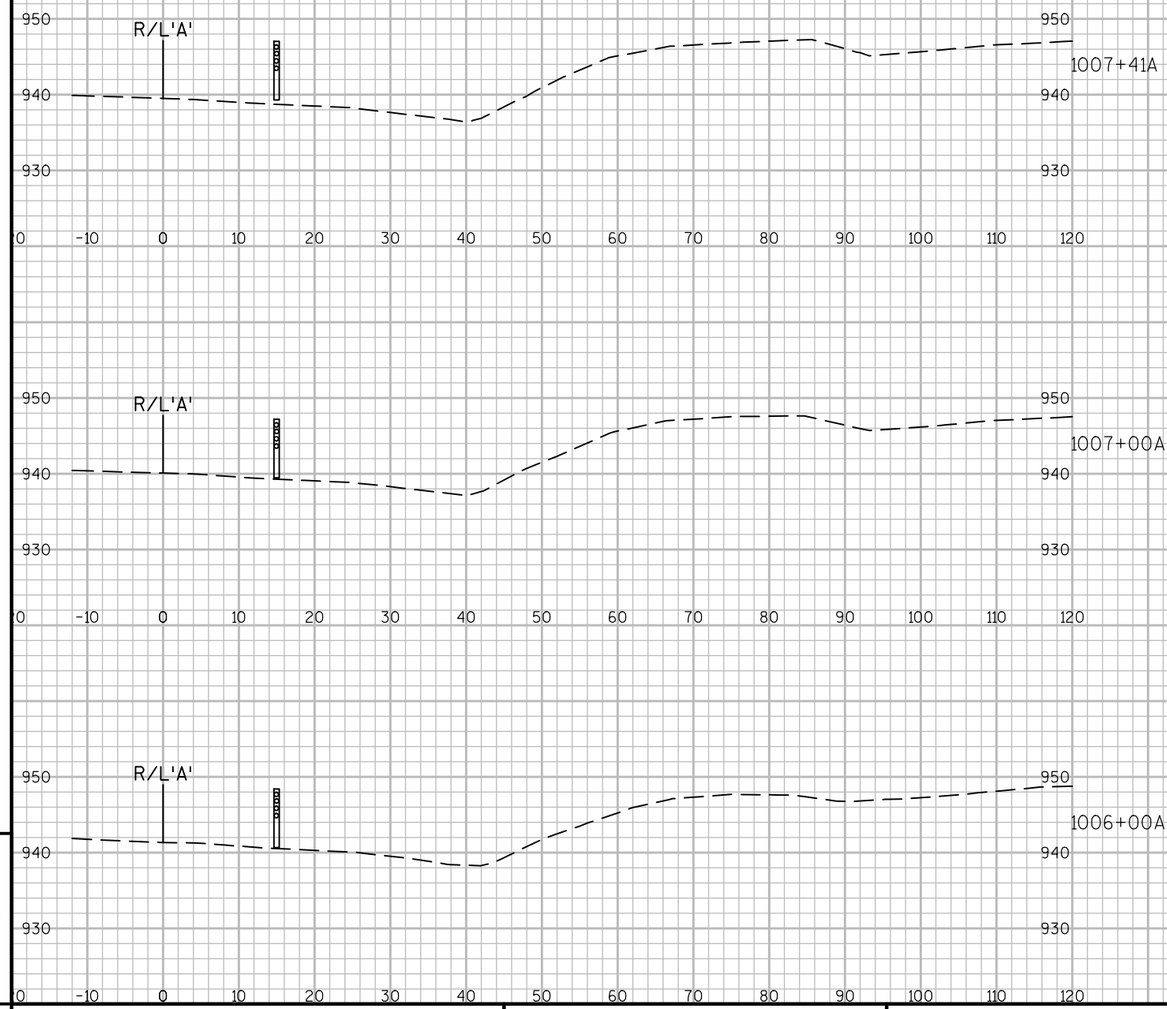
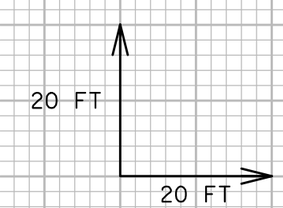
9

PROJECT NO:1016-02-60	HWY:IH 90/94	COUNTY:SAUK	CROSS SECTIONS:SAUK SOUTH	SHEET 241	E

FILE NAME : N:\PDS\C3D\10160230\SHEETSPLAN\CROSS SECTIONS\090110_XS.DWG
LAYOUT NAME - (3)
PLOT DATE : 3/22/2016 10:15 AM PLOT BY : MECUM, BRANDYN W PLOT NAME : PLOT SCALE : 1 IN:20 FT





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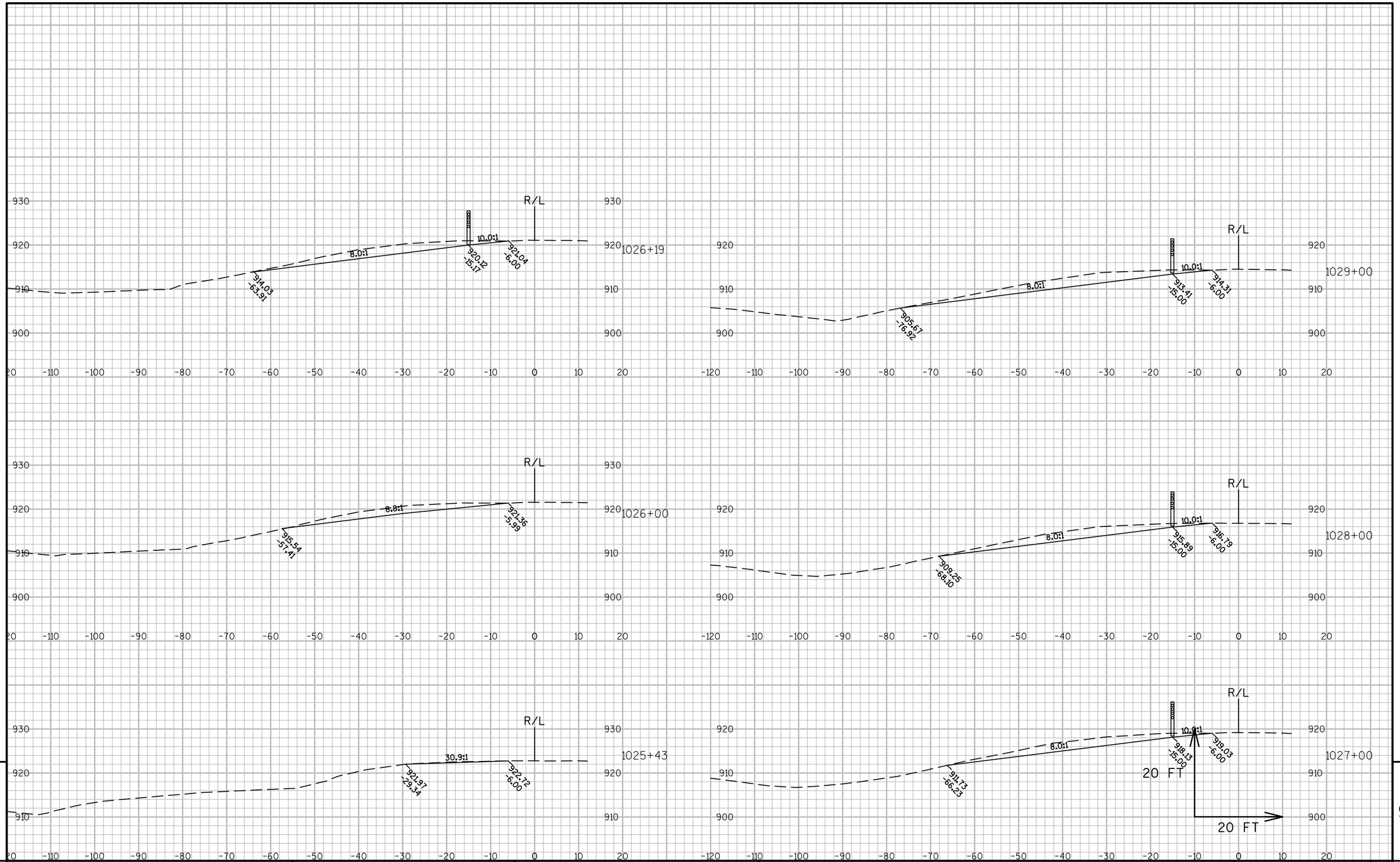
9

PROJECT NO:1016-02-60	HWY:IH 90/94	COUNTY:SAUK	CROSS SECTIONS:SAUK SOUTH	SHEET 242	E

FILE NAME : N:\PDS\C3D\10160230\SHEETSPLAN\CROSS SECTIONS\090110_XS.DWG
LAYOUT NAME - (4)
PLOT DATE : 3/22/2016 10:16 AM PLOT BY : MECUM, BRANDYN W PLOT NAME : PLOT SCALE : 1 IN:20 FT



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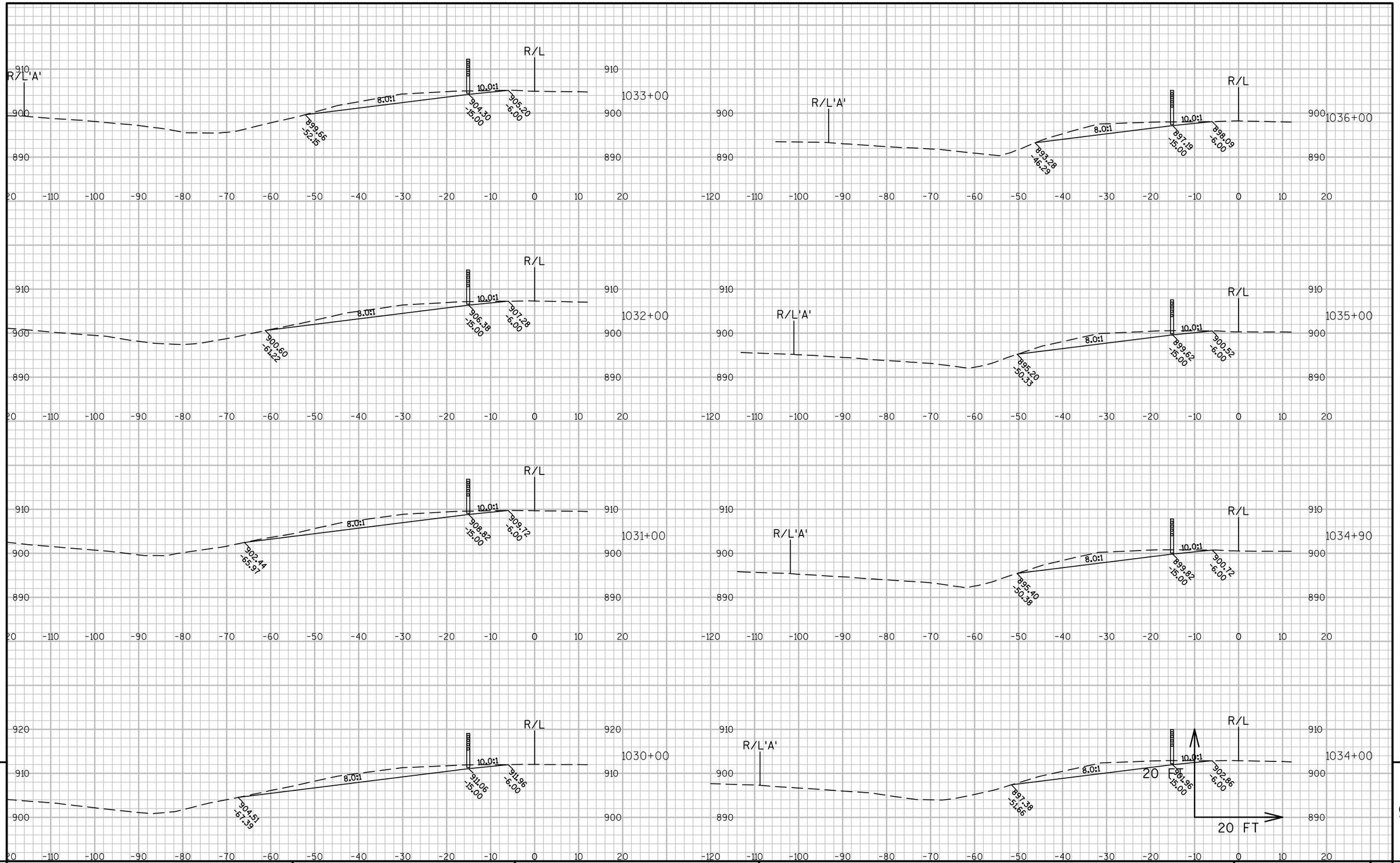
9

PROJECT NO:1016-02-60	HWY:IH 90/94	COUNTY:SAUK	CROSS SECTIONS:SAUK SOUTH	SHEET 243	E

FILE NAME : N:\PDS\C3D\10160230\SHEETSPLAN\CROSS SECTIONS\090110_XS.DWG
LAYOUT NAME - 1

PLOT DATE : 3/22/2016 10:16 AM PLOT BY : MECUM, BRANDYN W PLOT NAME : PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 49



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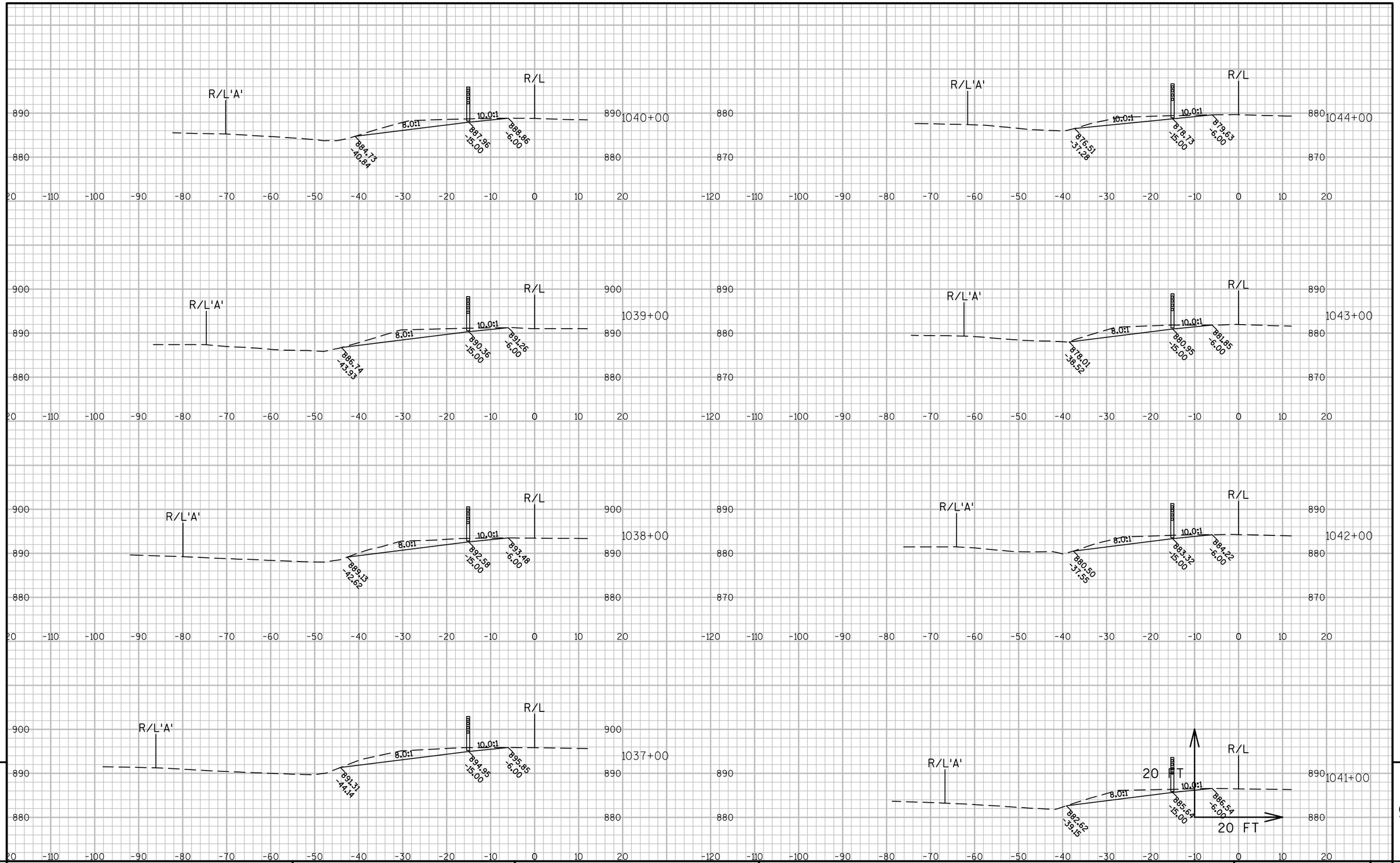
9

PROJECT NO:1016-02-60	HWY:IH 90/94	COUNTY:SAUK	CROSS SECTIONS:SAUK SOUTH	SHEET 244	E

FILE NAME : N:\PDS\C3D\10160230\SHEETSPLAN\CROSS SECTIONS\090110_XS.DWG
LAYOUT NAME - 2

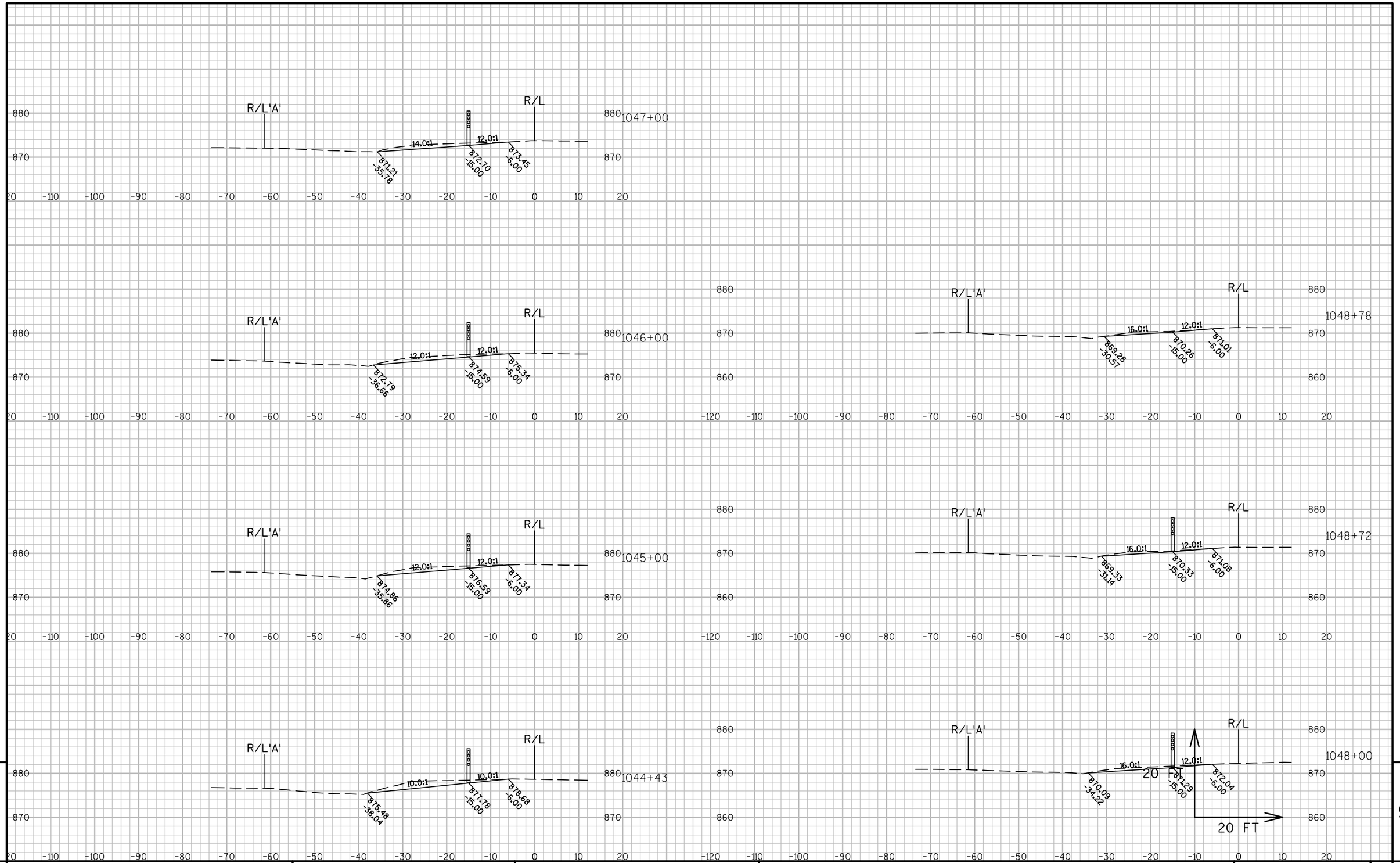
PLOT DATE : 3/22/2016 10:17 AM PLOT BY : MECUM, BRANDYN W PLOT NAME : PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 49



PROJECT NO:1016-02-60	HWY:IH 90/94	COUNTY:SAUK	CROSS SECTIONS:SAUK SOUTH	SHEET 245	E

FILE NAME : N:\PDS\C3D\10160230\SHEETSPLAN\CROSS SECTIONS\090110_XS.DWG
LAYOUT NAME - 3
PLOT DATE : 3/22/2016 10:17 AM PLOT BY : MECUM, BRANDYN W PLOT NAME : PLOT SCALE : 1 IN:20 FT



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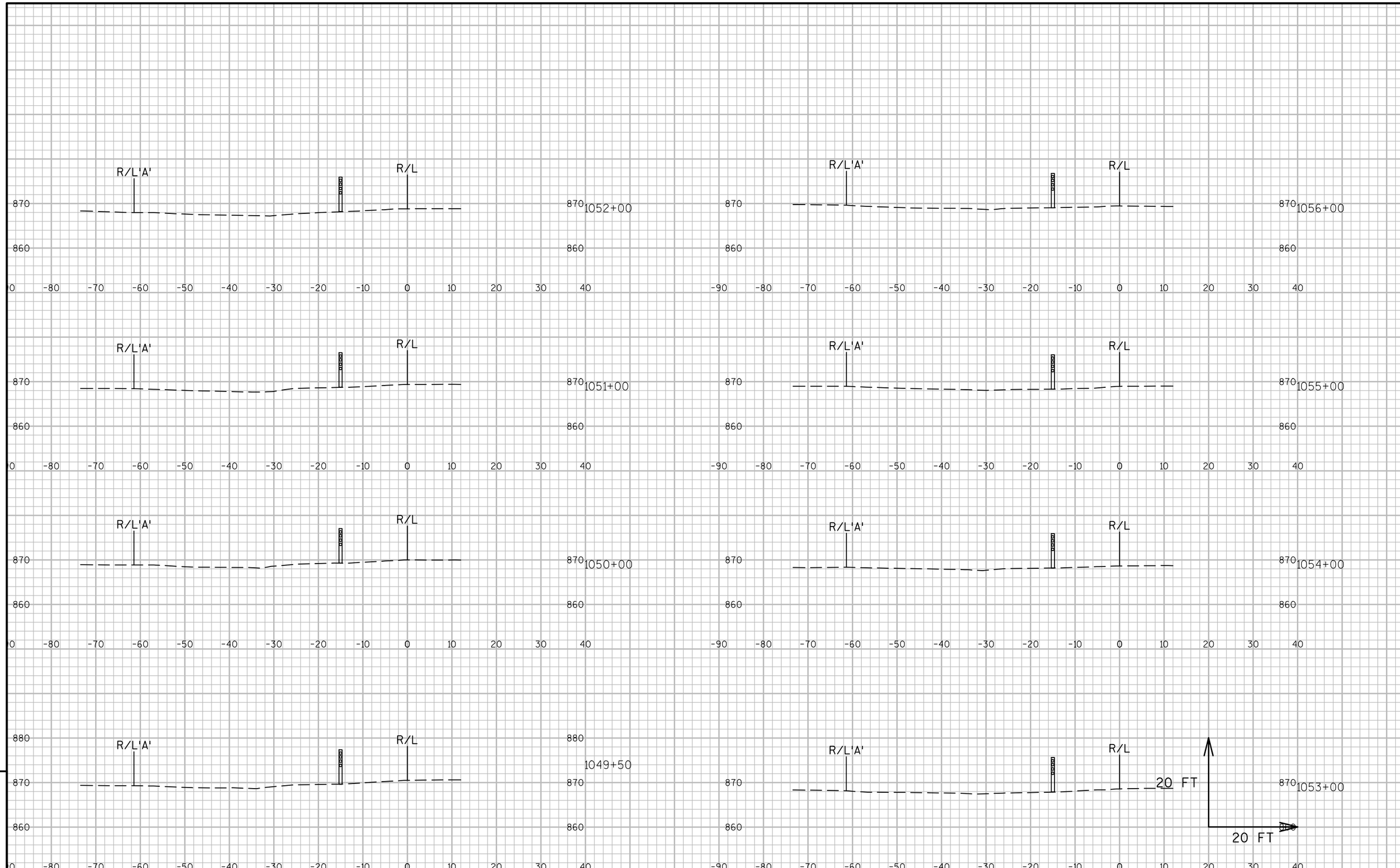
PROJECT NO:1016-02-60	HWY:IH 90/94	COUNTY:SAUK	CROSS SECTIONS:SAUK SOUTH	SHEET 246	E

FILE NAME : N:\PDS\C3D\10160230\SHEETSPLAN\CROSS SECTIONS\090110_XS.DWG
LAYOUT NAME - 4

PLOT DATE : 3/22/2016 10:18 AM PLOT BY : MECUM, BRANDYN W PLOT NAME : PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 49



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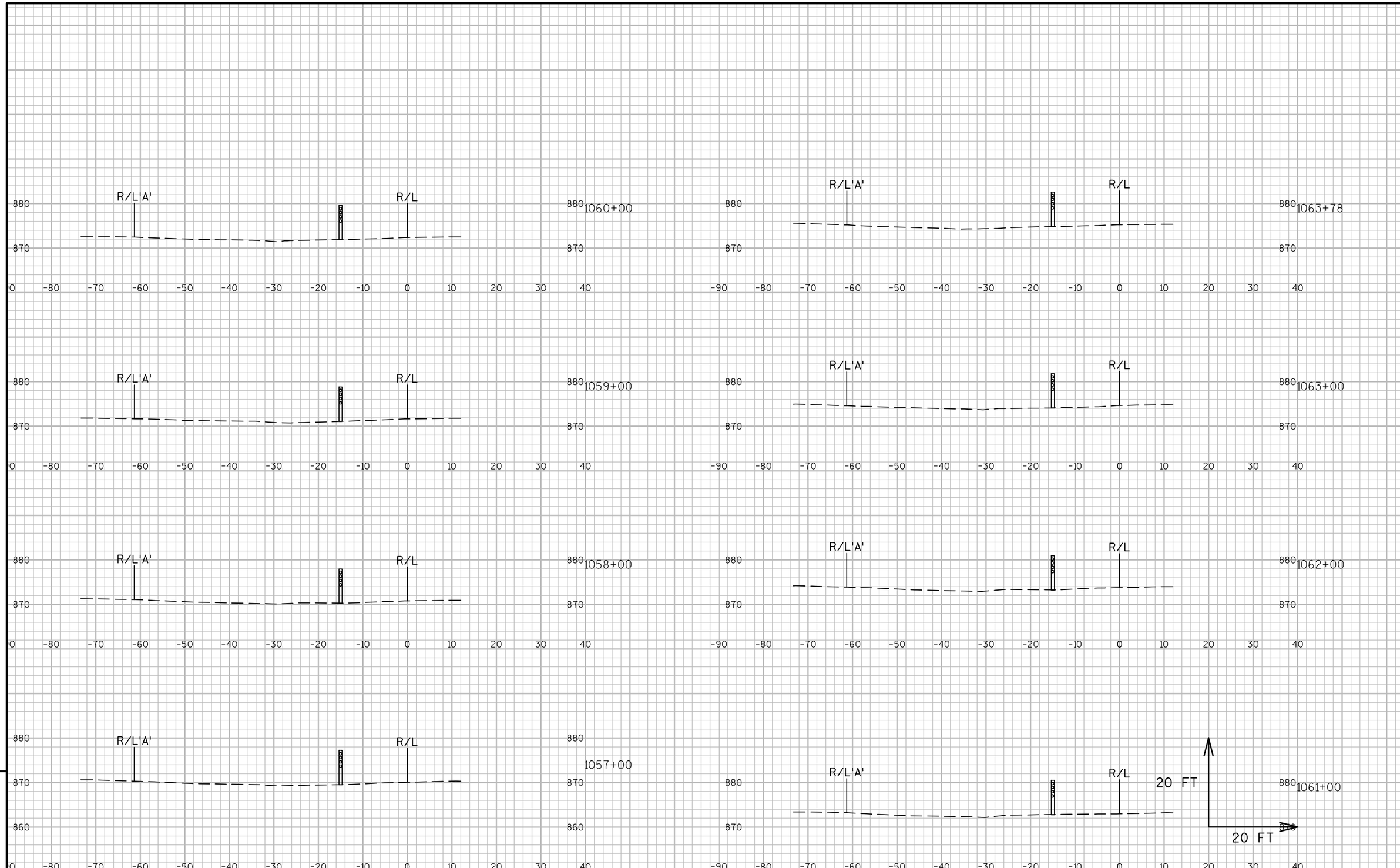
9

PROJECT NO:1016-02-60	HWY:IH 90/94	COUNTY:SAUK	CROSS SECTIONS:SAUK SOUTH	SHEET 247	E

FILE NAME : N:\PDS\C3D\10160230\SHEETSPLAN\CROSS SECTIONS\090111_XS.DWG
LAYOUT NAME - ((1))

PLOT DATE : 3/22/2016 11:31 AM PLOT BY : MECUM, BRANDYN W PLOT NAME : PLOT SCALE : 1 IN:20 FT



9

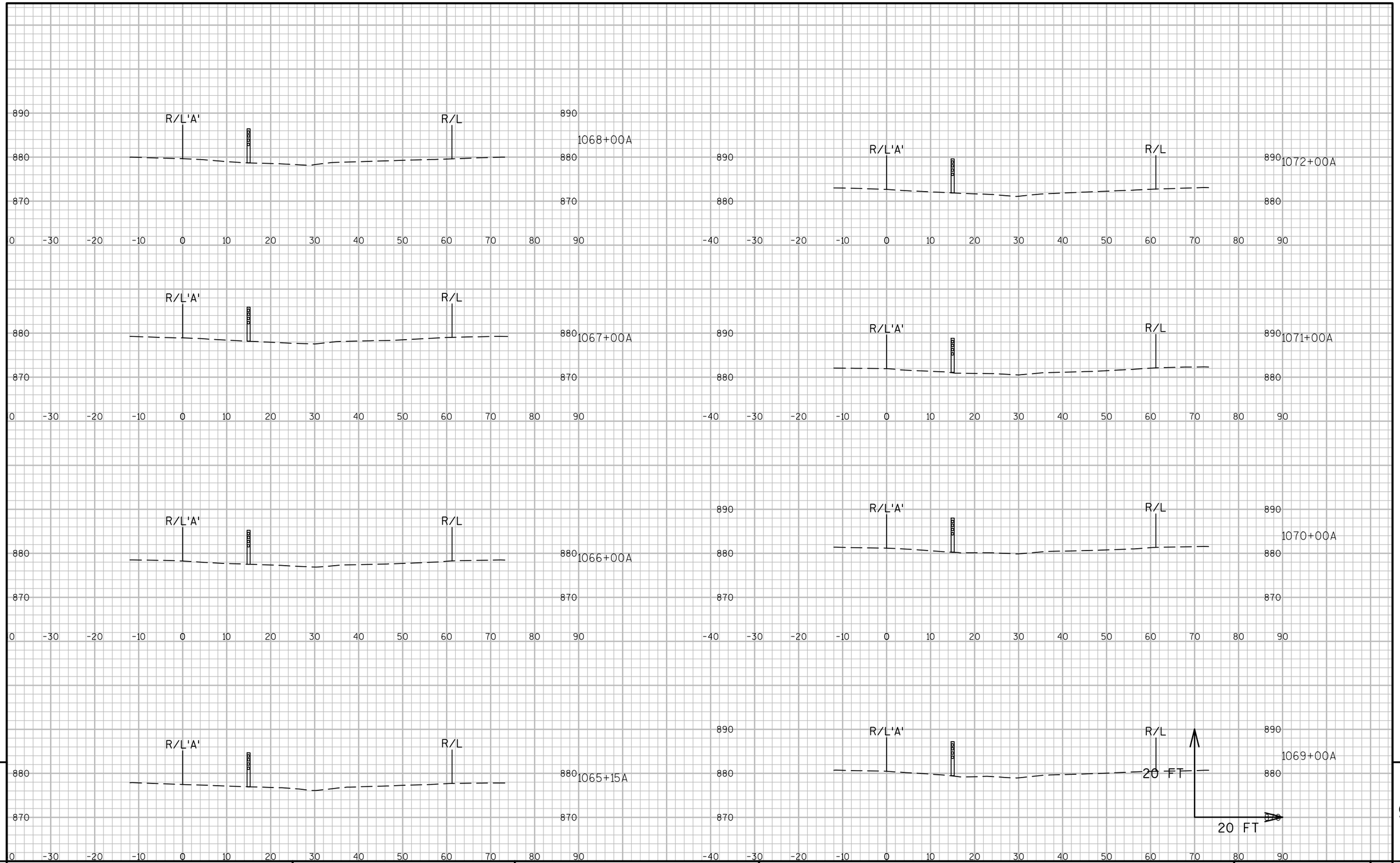
9

PROJECT NO:1016-02-60	HWY:IH 90/94	COUNTY:SAUK	CROSS SECTIONS:SAUK SOUTH	SHEET 248	E

FILE NAME : N:\PDS\C3D\10160230\SHEETSPLAN\CROSS SECTIONS\090111_XS.DWG
LAYOUT NAME - ((2))

PLOT DATE : 3/22/2016 11:33 AM PLOT BY : MECUM, BRANDYN W PLOT NAME : PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 49

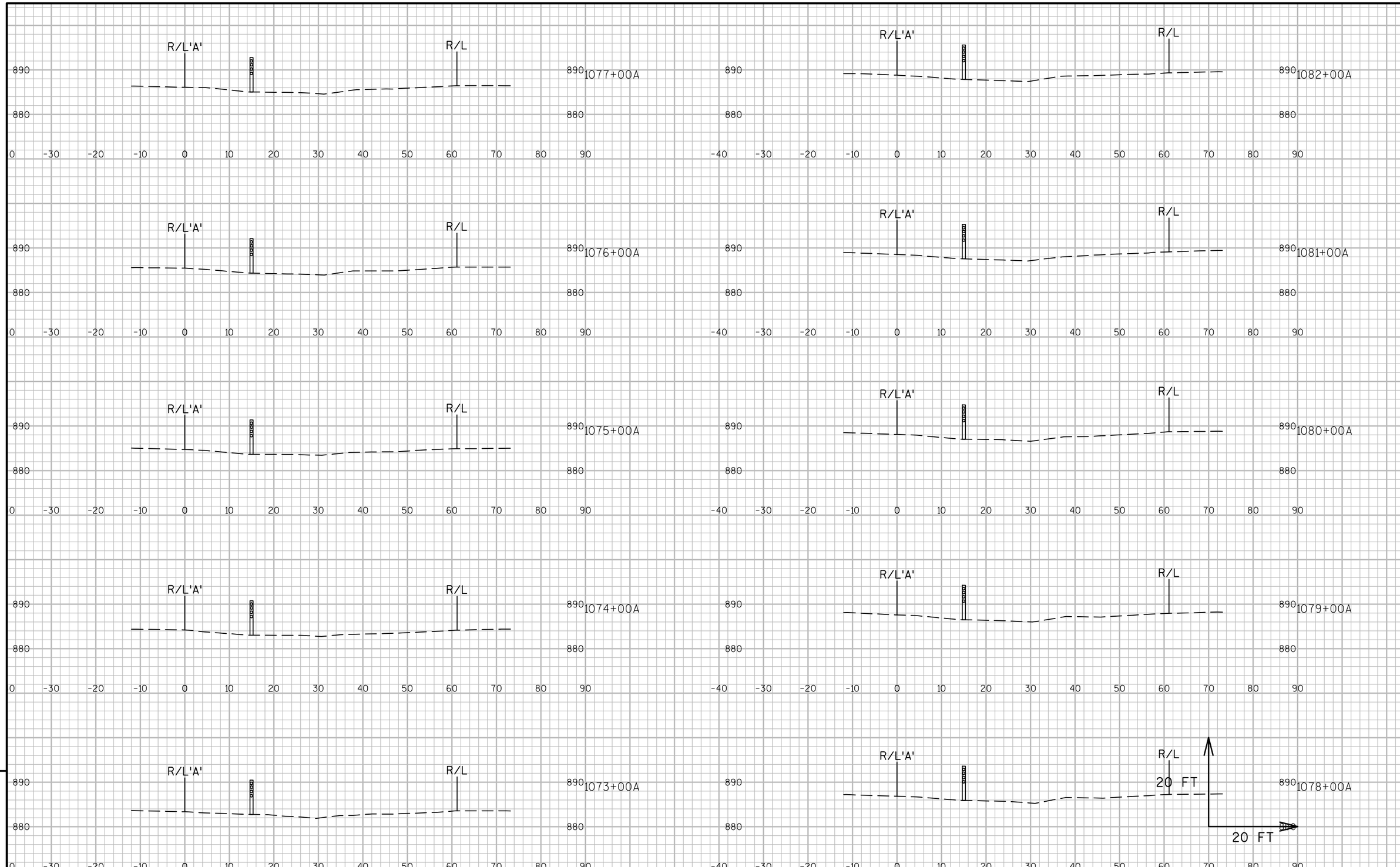


9

9

PROJECT NO:1016-02-60	HWY:IH 90/94	COUNTY:SAUK	CROSS SECTIONS:SAUK SOUTH	SHEET 249	E

FILE NAME : N:\PDS\C3D\10160230\SHEETSPLAN\CROSS SECTIONS\090111_XS.DWG
LAYOUT NAME - (1)
PLOT DATE : 3/22/2016 11:34 AM PLOT BY : MECUM, BRANDYN W PLOT NAME : PLOT SCALE : 1 IN:20 FT



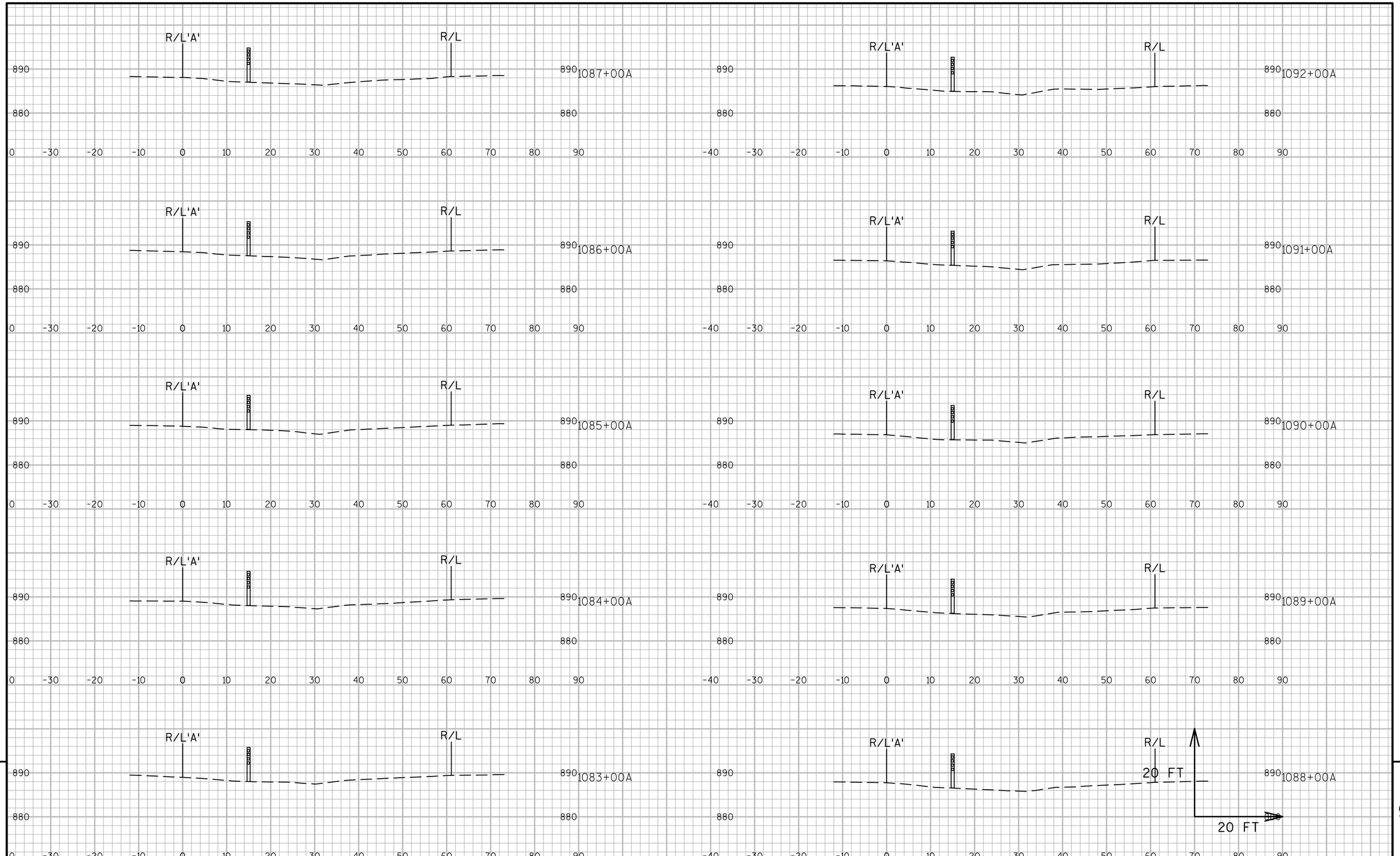
9

9

PROJECT NO:1016-02-60	HWY:IH 90/94	COUNTY:SAUK	CROSS SECTIONS:SAUK SOUTH	SHEET 250	E

FILE NAME : N:\PDS\C3D\10160230\SHEETSPLAN\CROSS SECTIONS\090111_XS.DWG
LAYOUT NAME - (2)
PLOT DATE : 3/22/2016 11:34 AM PLOT BY : MECUM, BRANDYN W PLOT NAME : PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 49

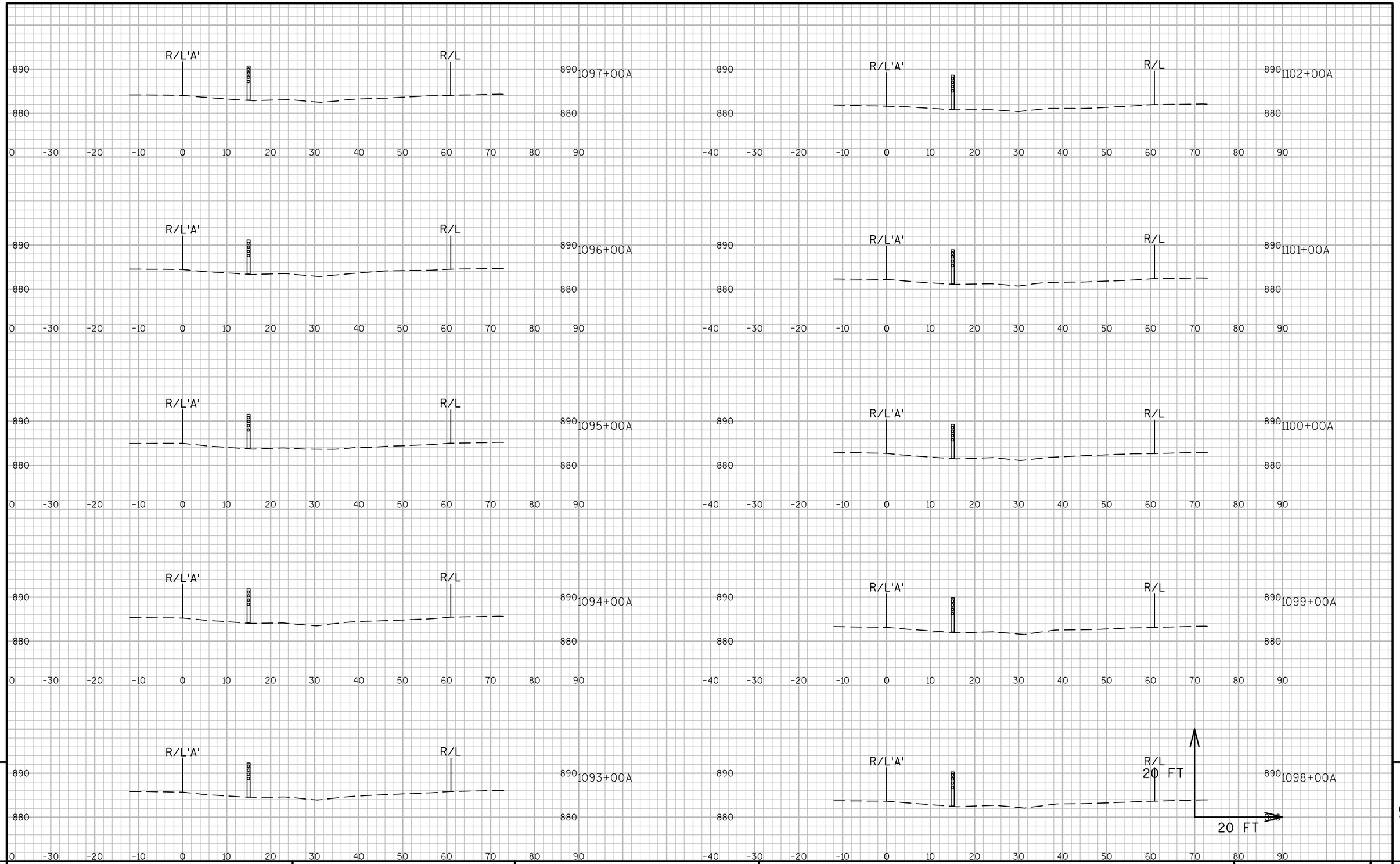


9

9

PROJECT NO:1016-02-60	HWY:IH 90/94	COUNTY:SAUK	CROSS SECTIONS:SAUK SOUTH	SHEET 251	E

FILE NAME : N:\PDS\C3D\10160230\SHEETSPLAN\CROSS SECTIONS\090111_XS.DWG
LAYOUT NAME - (3)
PLOT DATE : 3/22/2016 11:35 AM PLOT BY : MECUM, BRANDYN W PLOT NAME : PLOT SCALE : 1 IN:20 FT



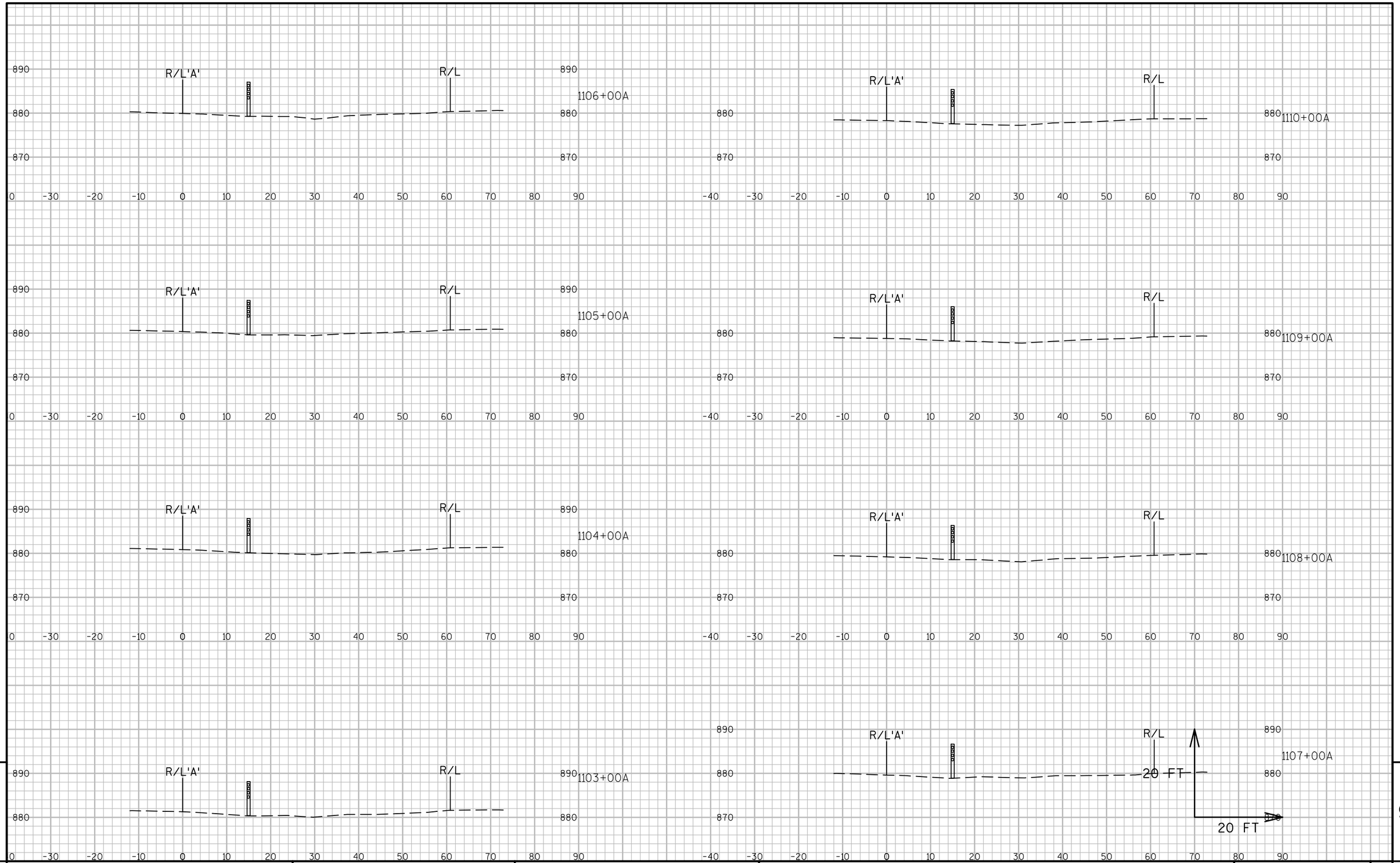
9

9

PROJECT NO:1016-02-60	HWY:IH 90/94	COUNTY:SAUK	CROSS SECTIONS:SAUK SOUTH	SHEET 252	E

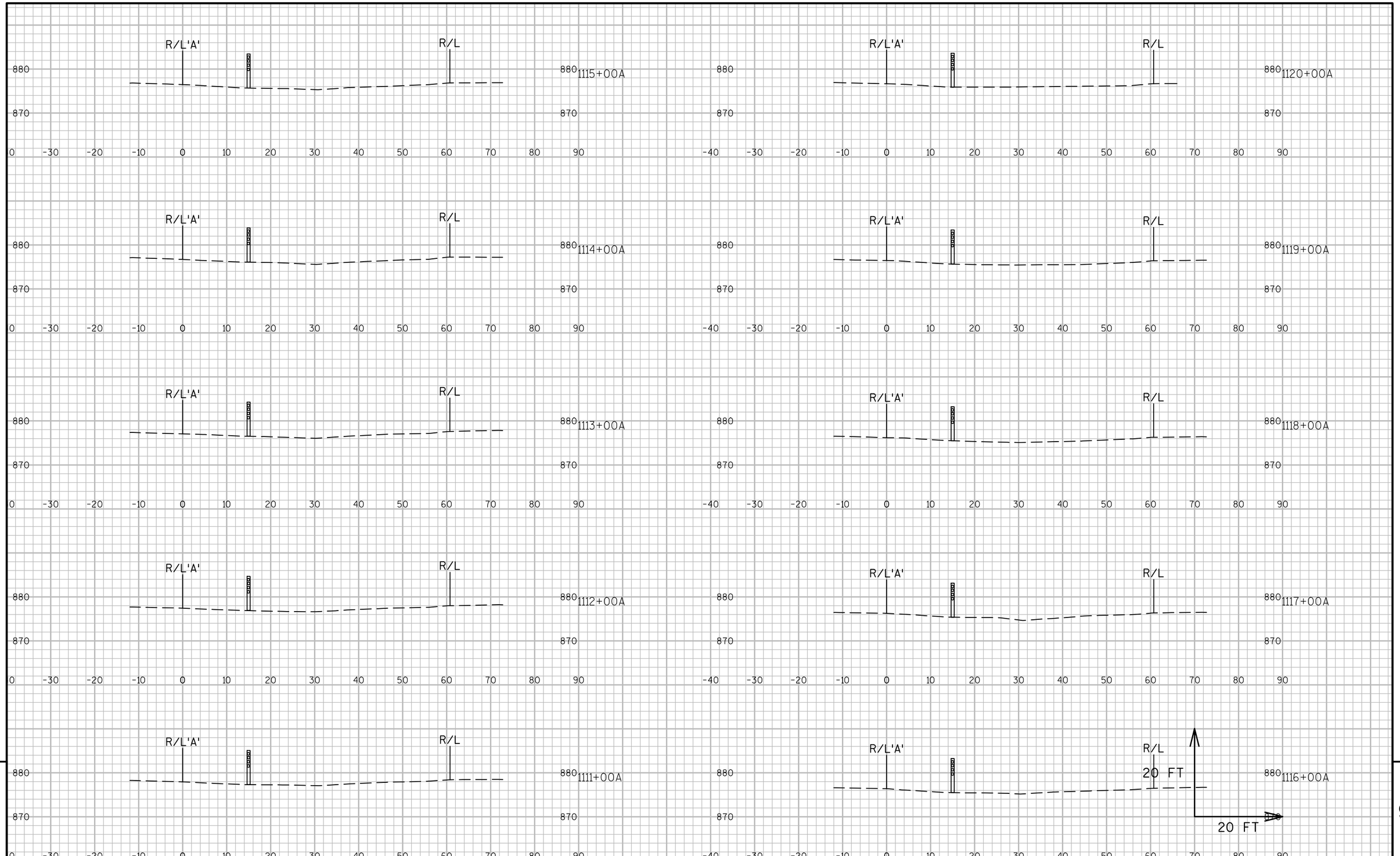
FILE NAME : N:\PDS\C3D\10160230\SHEETSPLAN\CROSS SECTIONS\090111_XS.DWG
LAYOUT NAME - (4)
PLOT DATE : 3/22/2016 11:35 AM PLOT BY : MECUM, BRANDYN W PLOT NAME : PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 49



PROJECT NO:1016-02-60	HWY:IH 90/94	COUNTY:SAUK	CROSS SECTIONS:SAUK SOUTH	SHEET 253	E

FILE NAME : N:\PDS\C3D\10160230\SHEETSPLAN\CROSS SECTIONS\090111_XS.DWG
LAYOUT NAME - (5)
PLOT DATE : 3/22/2016 11:36 AM PLOT BY : MECUM, BRANDYN W PLOT NAME : PLOT SCALE : 1 IN:20 FT



9

9

PROJECT NO:1016-02-60	HWY:IH 90/94	COUNTY:SAUK	CROSS SECTIONS:SAUK SOUTH	SHEET 254	E

FILE NAME : N:\PDS\C3D\10160230\SHEETSPLAN\CROSS SECTIONS\090111_XS.DWG
LAYOUT NAME - (6)
PLOT DATE : 3/22/2016 11:37 AM PLOT BY : MECUM, BRANDYN W PLOT NAME : PLOT SCALE : 1 IN:20 FT

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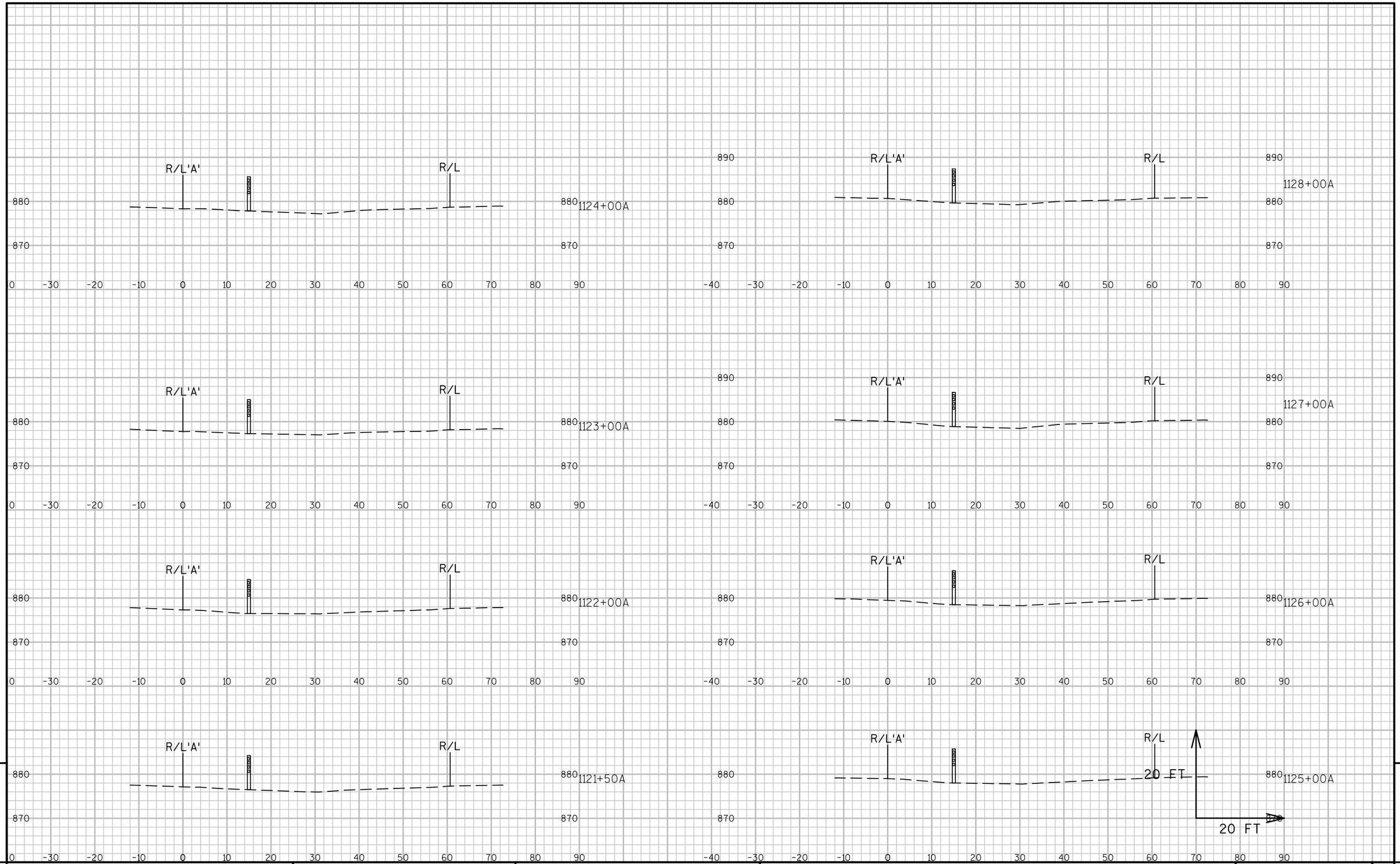
9

PROJECT NO:1016-02-60	HWY:IH 90/94	COUNTY:SAUK	CROSS SECTIONS:SAUK SOUTH	SHEET 255	E

FILE NAME : N:\PDS\C3D\10160230\SHEETSPLAN\CROSS SECTIONS\090111_XS.DWG
LAYOUT NAME - (7)

PLOT DATE : 3/22/2016 11:37 AM PLOT BY : MECUM, BRANDYN W PLOT NAME : PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 49



9

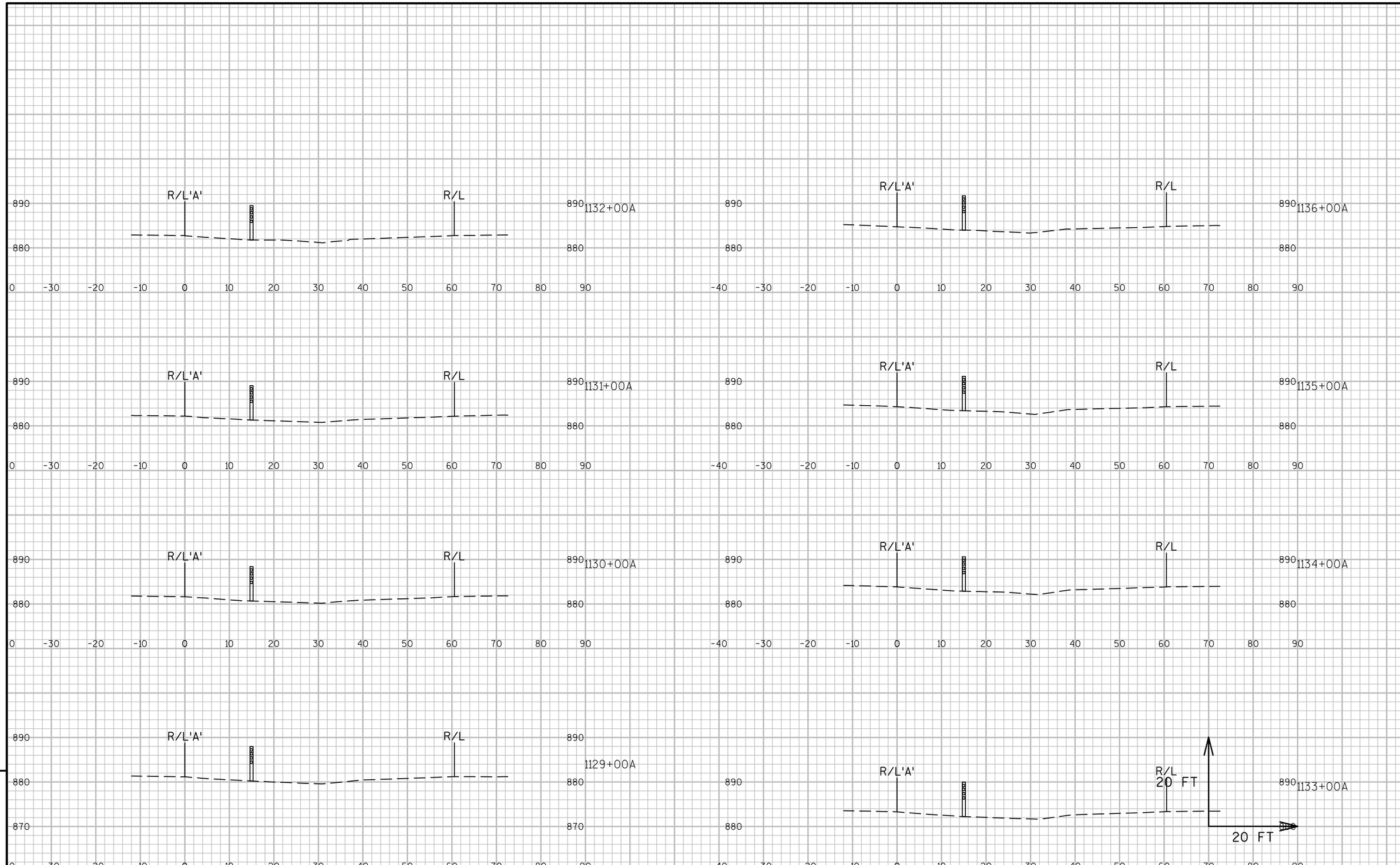
9

PROJECT NO:1016-02-60	HWY:IH 90/94	COUNTY:SAUK	CROSS SECTIONS:SAUK SOUTH	SHEET 256	E

FILE NAME : N:\PDS\C3D\10160230\SHEETSPLAN\CROSS SECTIONS\090111_XS.DWG
LAYOUT NAME - 1

PLOT DATE : 3/22/2016 11:38 AM PLOT BY : MECUM, BRANDYN W PLOT NAME : PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 49



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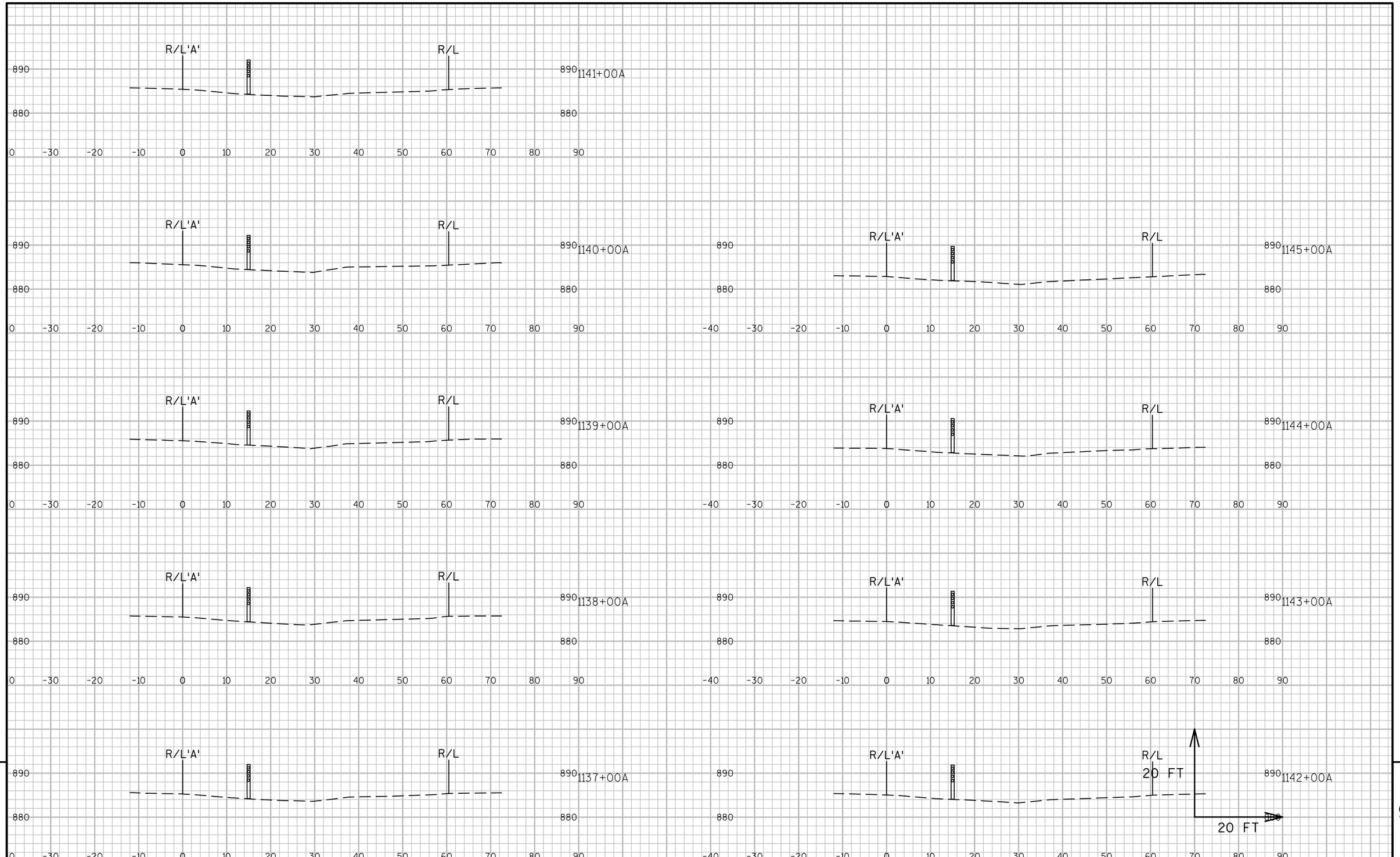
9

PROJECT NO:1016-02-60	HWY:IH 90/94	COUNTY:SAUK	CROSS SECTIONS:SAUK SOUTH	SHEET 257	E

FILE NAME : N:\PDS\C3D\10160230\SHEETSPLAN\CROSS SECTIONS\090111_XS.DWG
LAYOUT NAME - 2

PLOT DATE : 3/22/2016 11:38 AM PLOT BY : MECUM, BRANDYN W PLOT NAME : PLOT SCALE : 1 IN:20 FT



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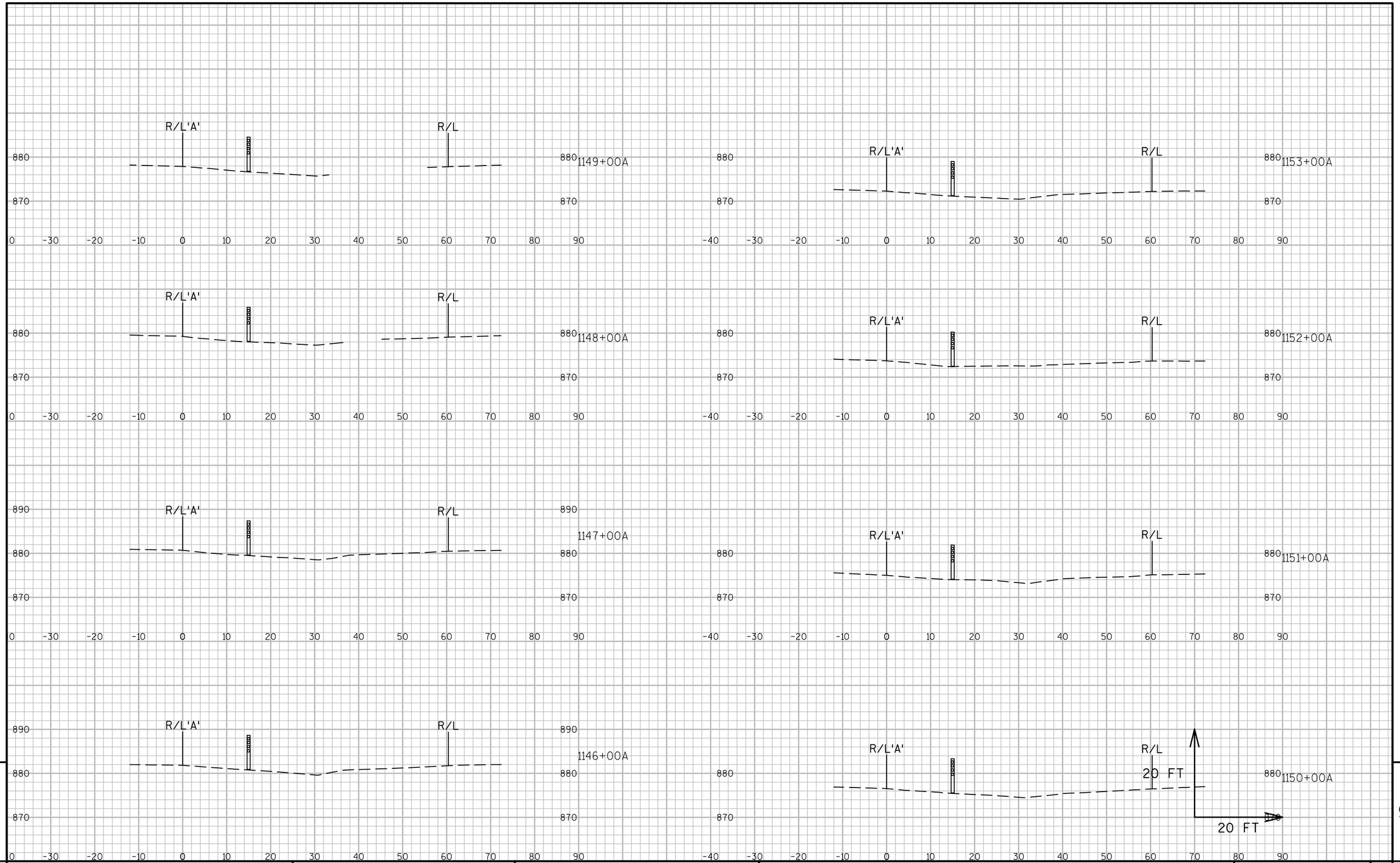
9

PROJECT NO:1016-02-60	HWY:IH 90/94	COUNTY:SAUK	CROSS SECTIONS:SAUK SOUTH	SHEET 258	E

FILE NAME : N:\PDS\C3D\10160230\SHEETSPLAN\CROSS SECTIONS\090111_XS.DWG
LAYOUT NAME - 3

PLOT DATE : 3/22/2016 11:39 AM PLOT BY : MECUM, BRANDYN W PLOT NAME : PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 49



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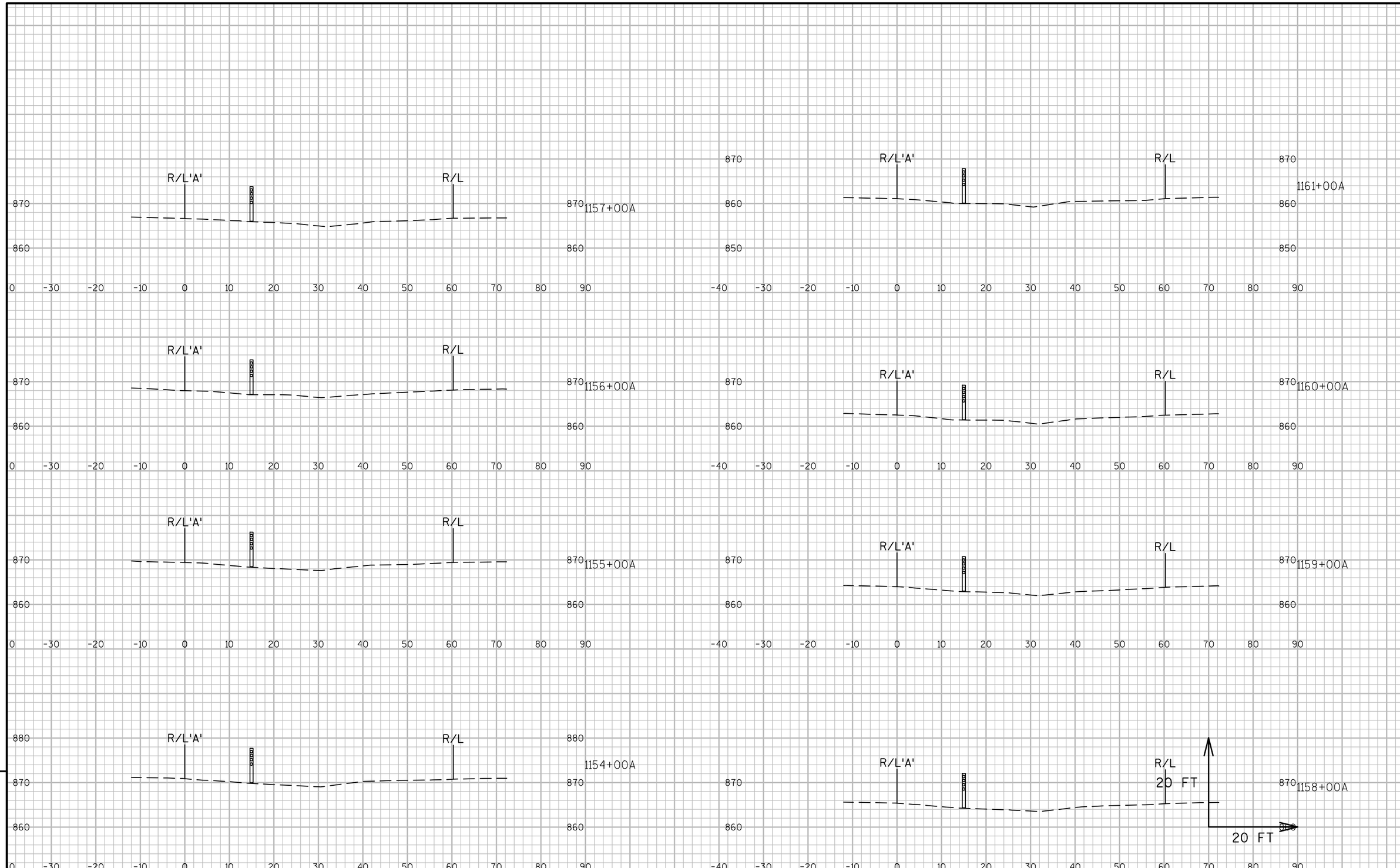
9

PROJECT NO:1016-02-60	HWY:IH 90/94	COUNTY:SAUK	CROSS SECTIONS:SAUK SOUTH	SHEET 259	E

FILE NAME : N:\PDS\C3D\10160230\SHEETSPLAN\CROSS SECTIONS\090111_XS.DWG
LAYOUT NAME - 4

PLOT DATE : 3/22/2016 11:40 AM PLOT BY : MECUM, BRANDYN W PLOT NAME : PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 49



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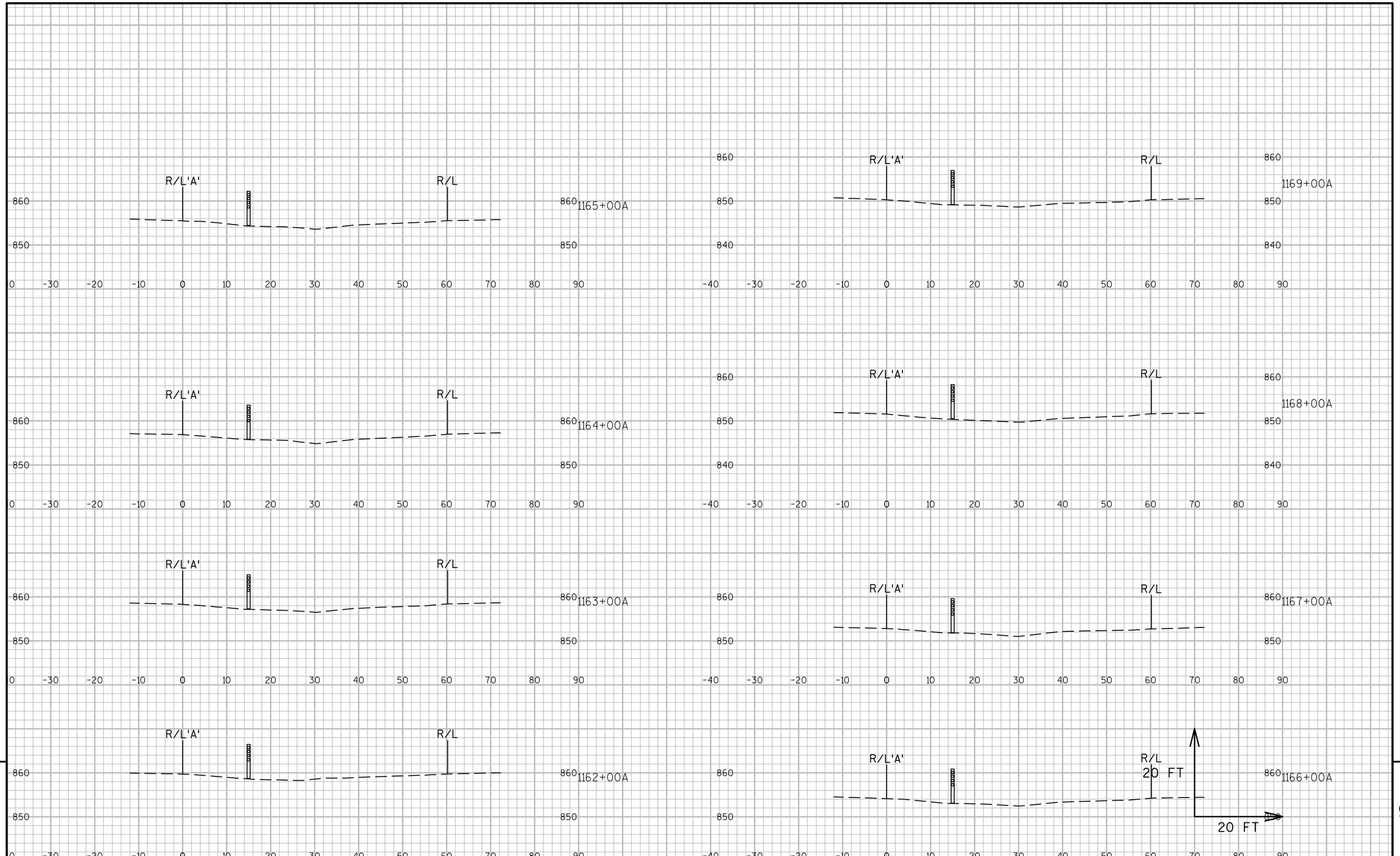
9

PROJECT NO:1016-02-60	HWY:IH 90/94	COUNTY:SAUK	CROSS SECTIONS:SAUK SOUTH	SHEET 260	E

FILE NAME : N:\PDS\C3D\10160230\SHEETSPLAN\CROSS SECTIONS\090111_XS.DWG
LAYOUT NAME - 5

PLOT DATE : 3/22/2016 11:40 AM PLOT BY : MECUM, BRANDYN W PLOT NAME : PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 49



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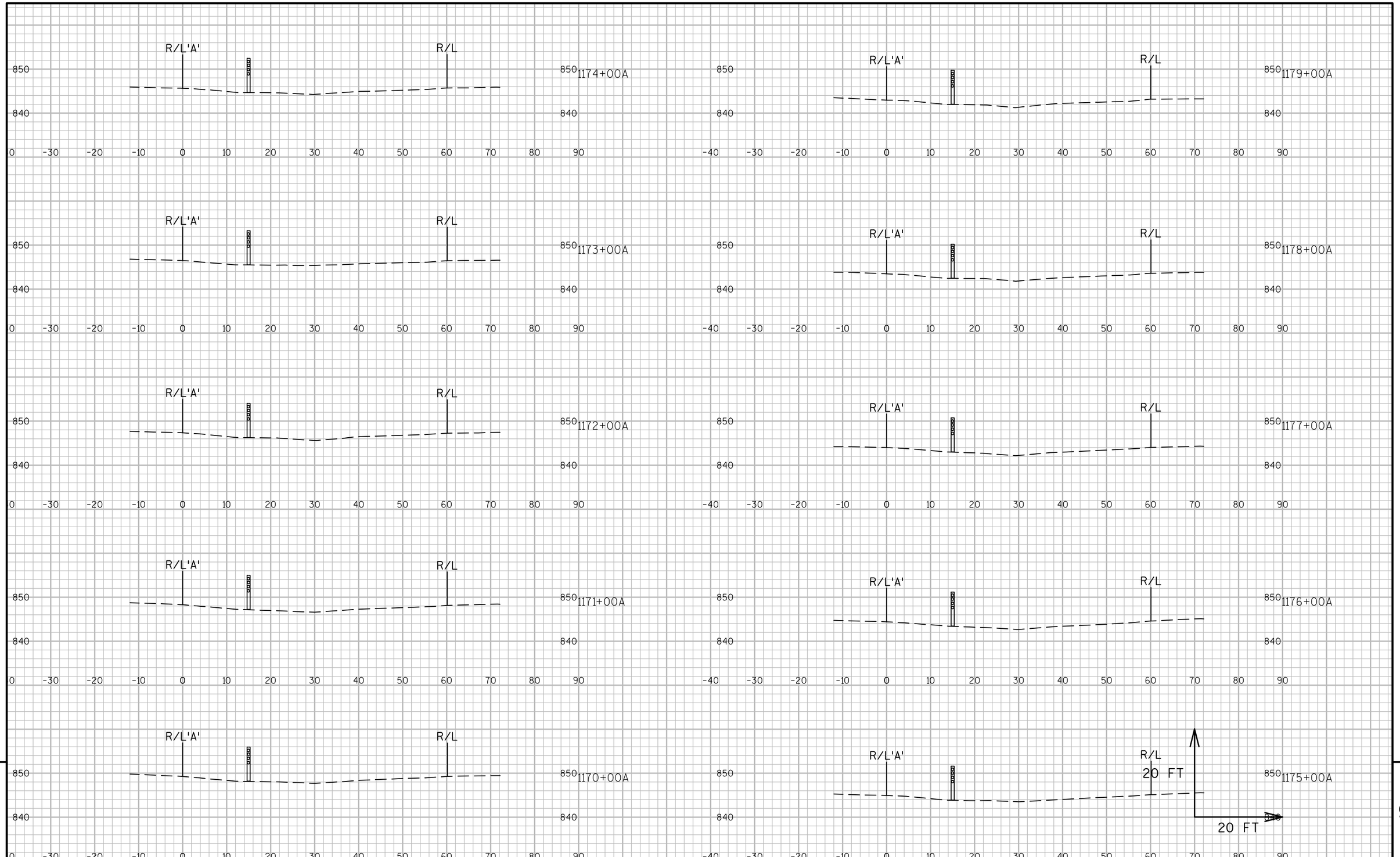
9

PROJECT NO:1016-02-60	HWY:IH 90/94	COUNTY:SAUK	CROSS SECTIONS:SAUK SOUTH	SHEET 261	E

FILE NAME : N:\PDS\C3D\10160230\SHEETSPLAN\CROSS SECTIONS\090111_XS.DWG
LAYOUT NAME - 6

PLOT DATE : 3/22/2016 11:41 AM PLOT BY : MECUM, BRANDYN W PLOT NAME : PLOT SCALE : 1 IN:20 FT



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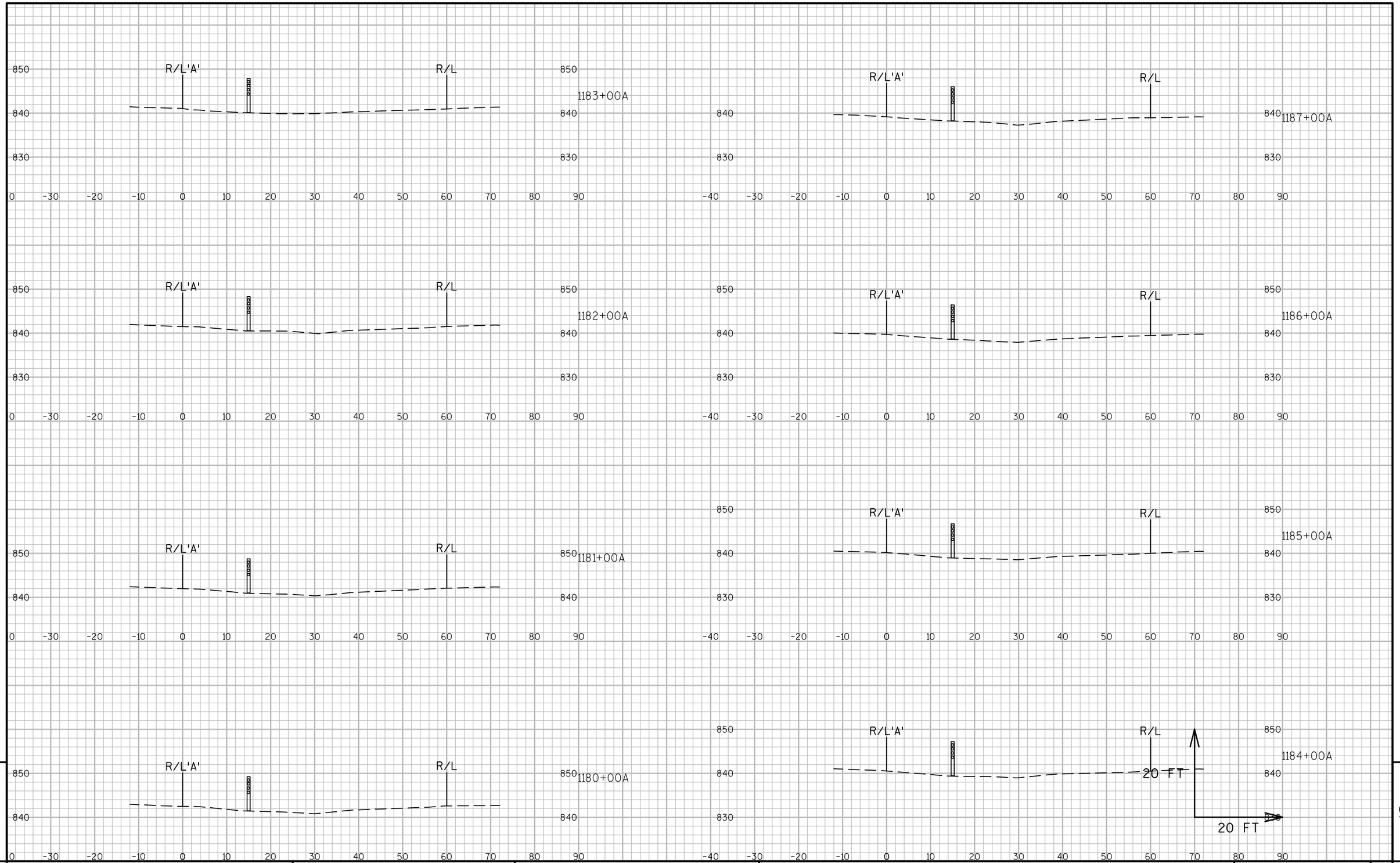
9

PROJECT NO:1016-02-60	HWY:IH 90/94	COUNTY:SAUK	CROSS SECTIONS:SAUK SOUTH	SHEET	E

FILE NAME : N:\PDS\C3D\10160230\SHEETSPLAN\CROSS SECTIONS\090111_XS.DWG
LAYOUT NAME - 7
PLOT DATE : 3/22/2016 11:41 AM PLOT BY : MECUM, BRANDYN W PLOT NAME : PLOT SCALE : 1 IN:20 FT



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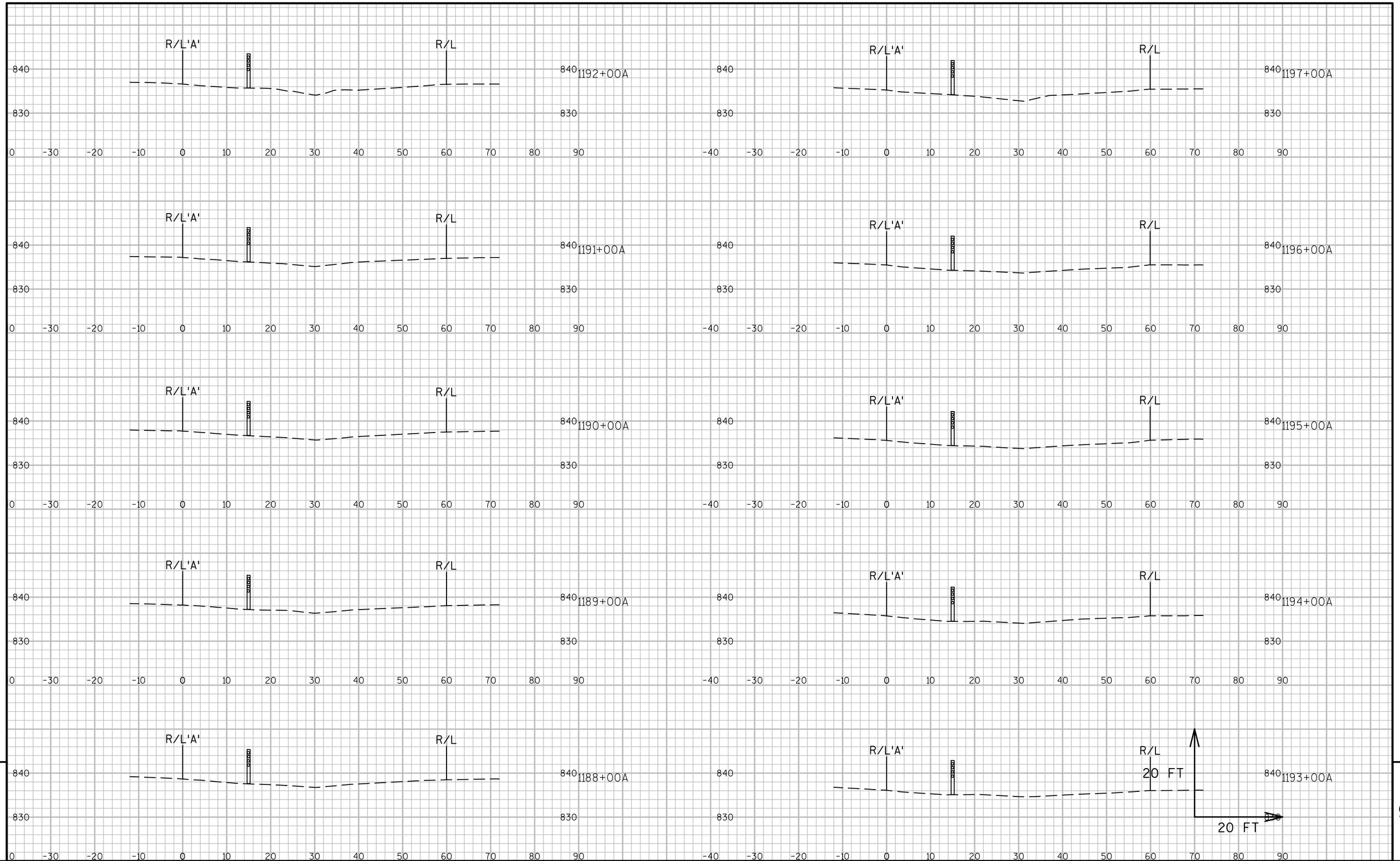
PROJECT NO:1016-02-60	HWY:IH 90/94	COUNTY:SAUK	CROSS SECTIONS:SAUK SOUTH	SHEET 263	E

FILE NAME : N:\PDS\C3D\10160230\SHEETSPLAN\CROSS SECTIONS\090111_XS.DWG
LAYOUT NAME - 8

PLOT DATE : 3/22/2016 11:42 AM PLOT BY : MECUM, BRANDYN W PLOT NAME : PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 49



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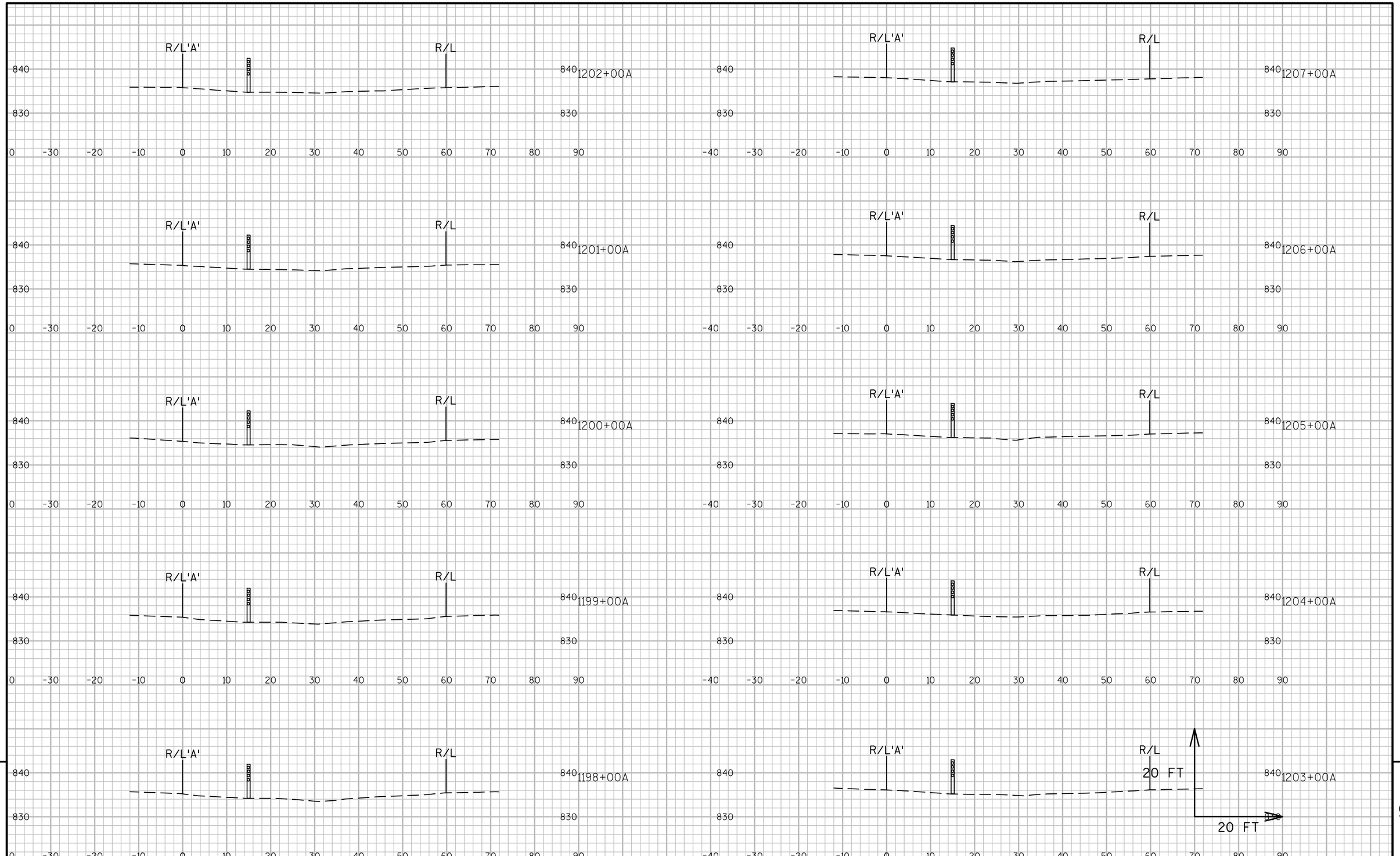
9

PROJECT NO:1016-02-60	HWY:IH 90/94	COUNTY:SAUK	CROSS SECTIONS:SAUK SOUTH	SHEET 264	E

FILE NAME : N:\PDS\C3D\10160230\SHEETSPLAN\CROSS SECTIONS\090111_XS.DWG
LAYOUT NAME - 9

PLOT DATE : 3/22/2016 11:42 AM PLOT BY : MECUM, BRANDYN W PLOT NAME : PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 49



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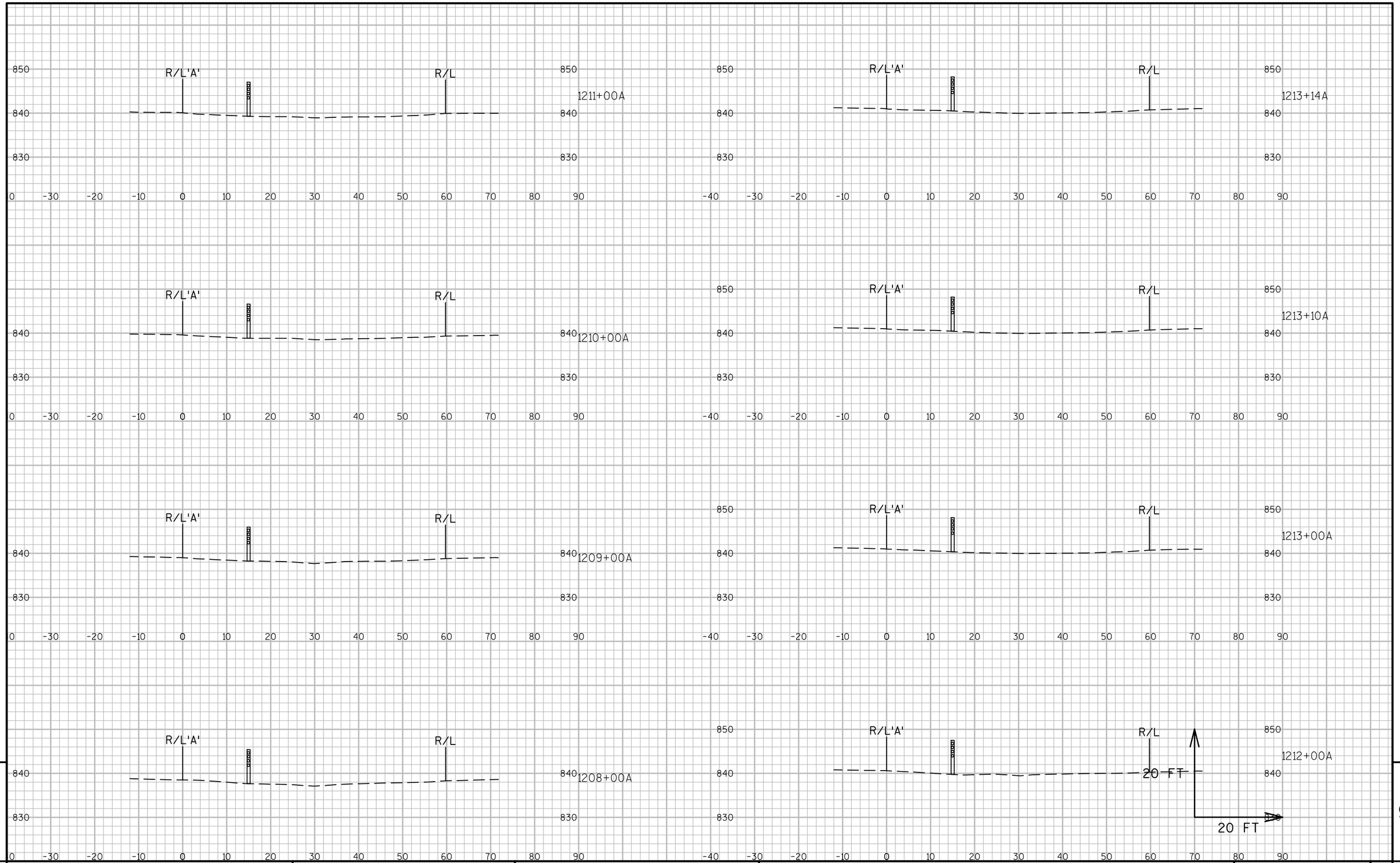
9

PROJECT NO:1016-02-60	HWY:IH 90/94	COUNTY:SAUK	CROSS SECTIONS:SAUK SOUTH	SHEET 265	E

FILE NAME : N:\PDS\C3D\10160230\SHEETSPLAN\CROSS SECTIONS\090111_XS.DWG
LAYOUT NAME - 10

PLOT DATE : 3/22/2016 11:43 AM PLOT BY : MECUM, BRANDYN W PLOT NAME : PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 49



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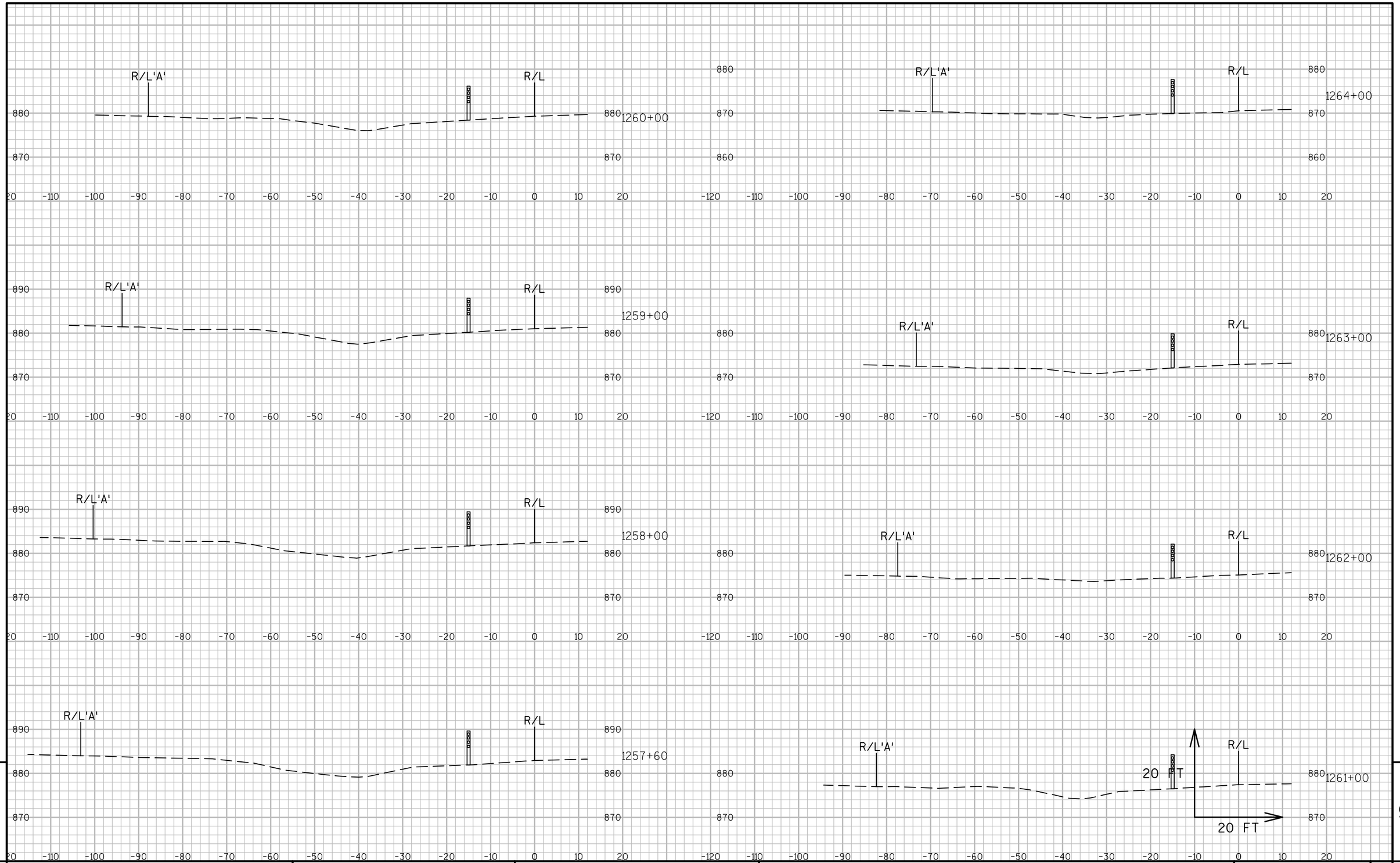
9

PROJECT NO:1016-02-60	HWY:IH 90/94	COUNTY:SAUK	CROSS SECTIONS:SAUK SOUTH	SHEET 266	E

FILE NAME : N:\PDS\C3D\10160230\SHEETSPLAN\CROSS SECTIONS\090111_XS.DWG
LAYOUT NAME - 11

PLOT DATE : 3/22/2016 11:44 AM PLOT BY : MECUM, BRANDYN W PLOT NAME : PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 49



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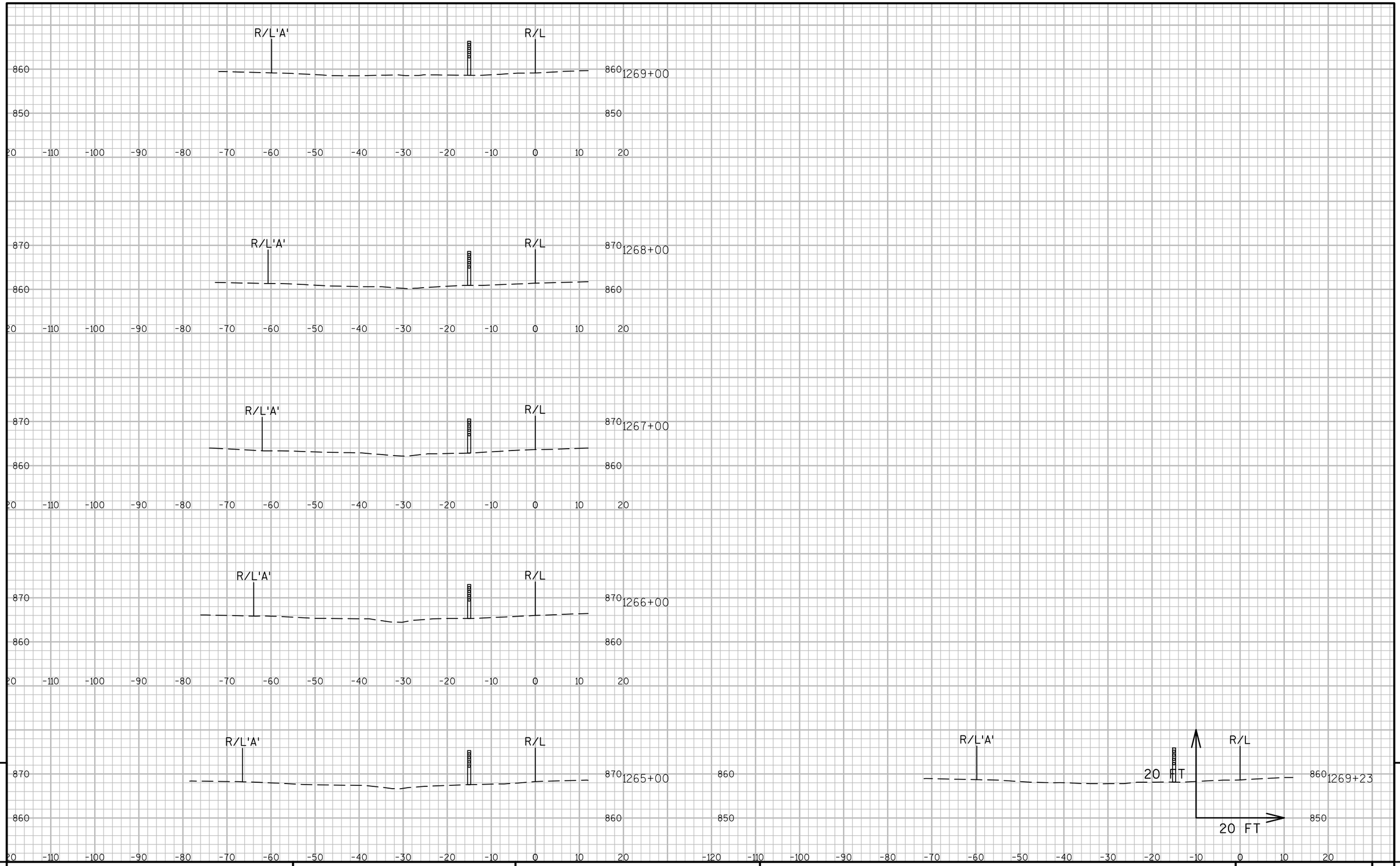
9

PROJECT NO:1016-02-60	HWY:IH 90/94	COUNTY:SAUK	CROSS SECTIONS:SAUK SOUTH	SHEET 267	E

FILE NAME : N:\PDS\C3D\10160230\SHEETSPLAN\CROSS SECTIONS\090112_XS.DWG
LAYOUT NAME - (1)
PLOT DATE : 3/23/2016 8:14 AM PLOT BY : MECUM, BRANDYN W PLOT NAME : PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 49



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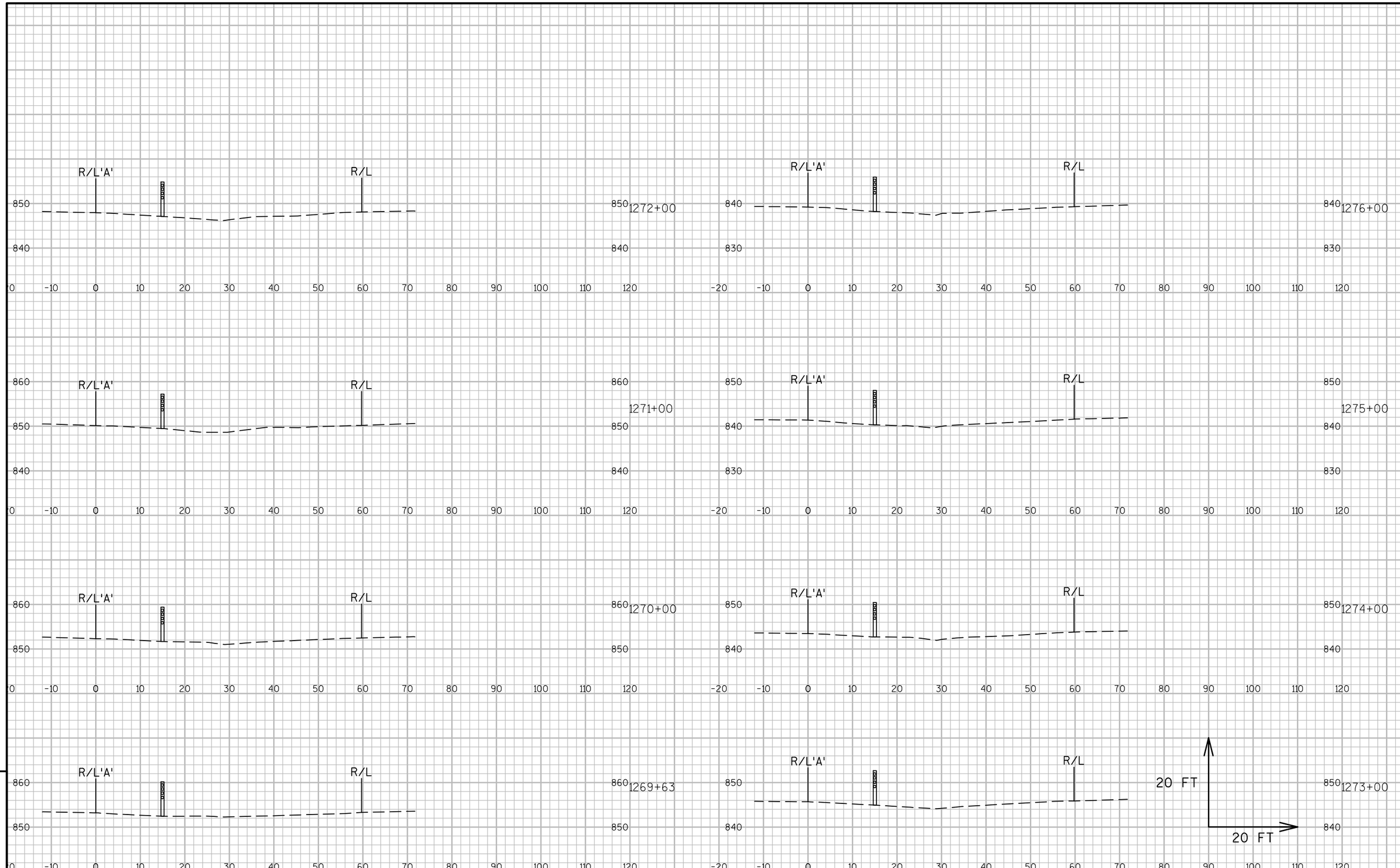
9

PROJECT NO:1016-02-60	HWY:IH 90/94	COUNTY:SAUK	CROSS SECTIONS:SAUK SOUTH	SHEET 268	E

FILE NAME : N:\PDS\C3D\10160230\SHEETSPLAN\CROSS SECTIONS\090112_XS.DWG
LAYOUT NAME - (2)

PLOT DATE : 3/23/2016 8:16 AM PLOT BY : MECUM, BRANDYN W PLOT NAME : PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 49



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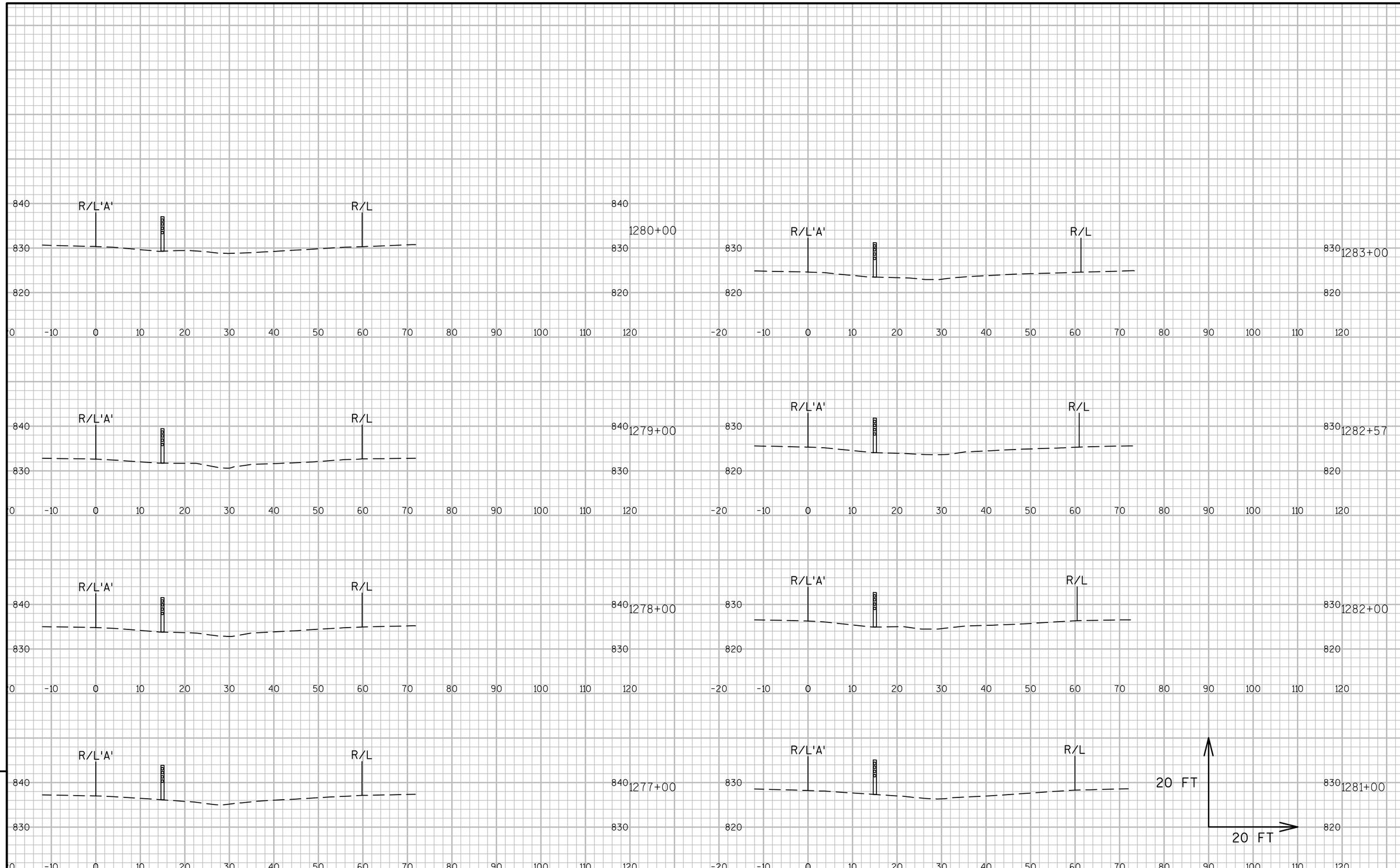
9

PROJECT NO:1016-02-60	HWY:IH 90/94	COUNTY:SAUK	CROSS SECTIONS:SAUK SOUTH	SHEET 269	E

FILE NAME : N:\PDS\C3D\10160230\SHEETSPLAN\CROSS SECTIONS\090112_XS.DWG
LAYOUT NAME - 3

PLOT DATE : 3/23/2016 8:16 AM PLOT BY : MECUM, BRANDYN W PLOT NAME : PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 49



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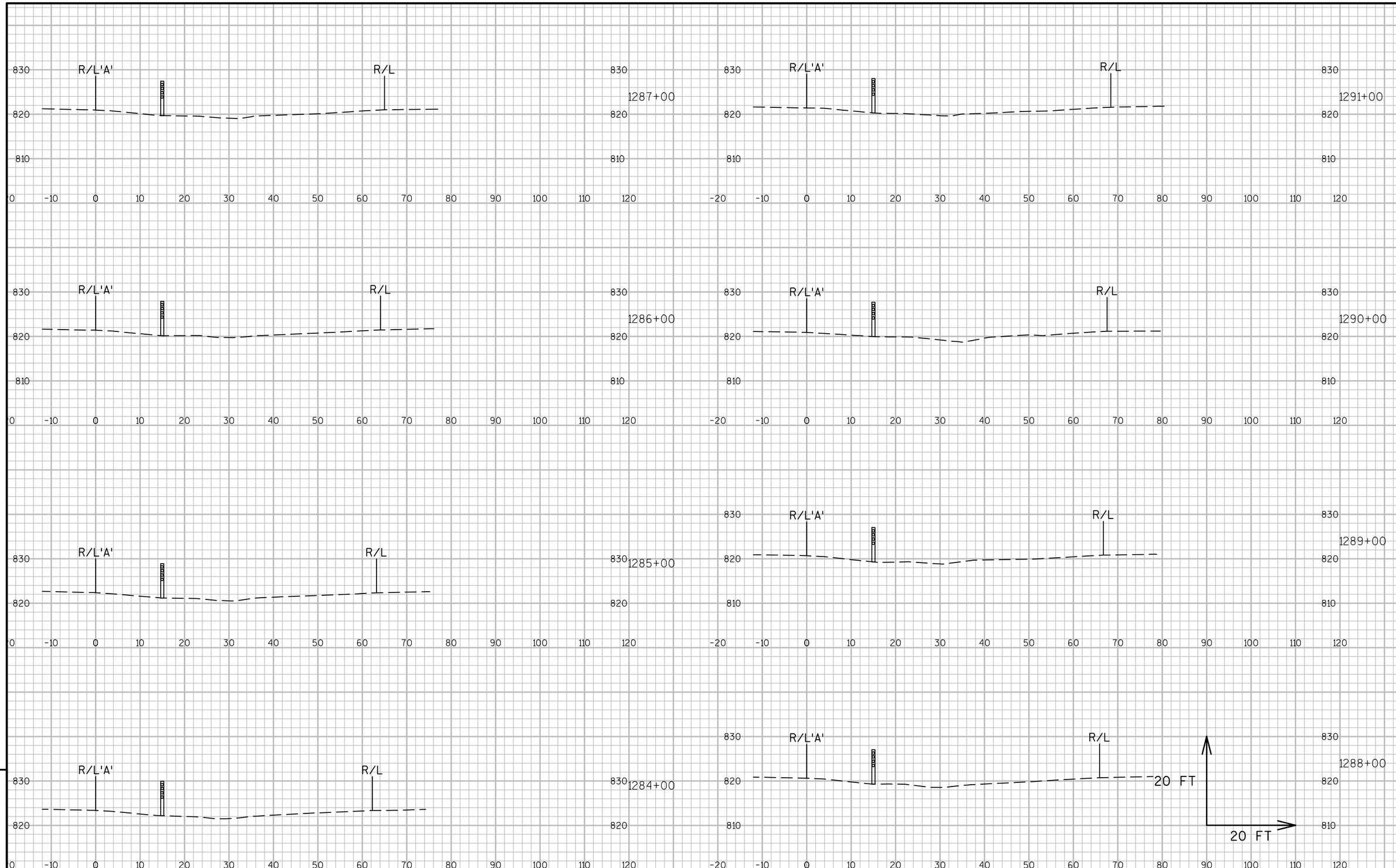
9

PROJECT NO:1016-02-60	HWY:IH 90/94	COUNTY:SAUK	CROSS SECTIONS:SAUK SOUTH	SHEET 270	E

FILE NAME : N:\PDS\C3D\10160230\SHEETSPLAN\CROSS SECTIONS\090112_XS.DWG
LAYOUT NAME - 4

PLOT DATE : 3/23/2016 8:16 AM PLOT BY : MECUM, BRANDYN W PLOT NAME : PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 49



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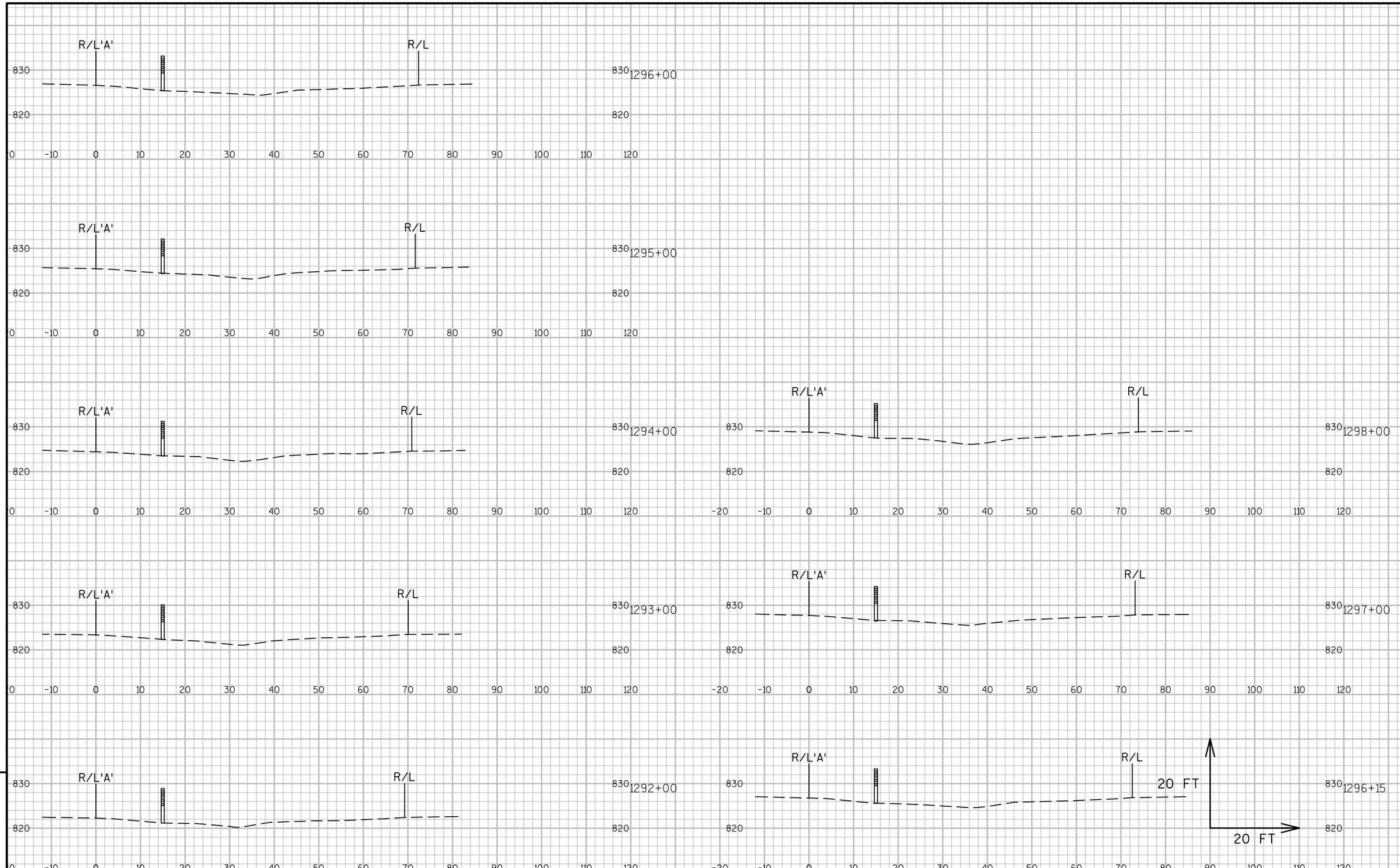
9

PROJECT NO:1016-02-60	HWY:IH 90/94	COUNTY:SAUK	CROSS SECTIONS:SAUK SOUTH	SHEET 271	E

FILE NAME : N:\PDS\C3D\10160230\SHEETSPLAN\CROSS SECTIONS\090112_XS.DWG
LAYOUT NAME - 5

PLOT DATE : 3/23/2016 8:17 AM PLOT BY : MECUM, BRANDYN W PLOT NAME : PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 49



9

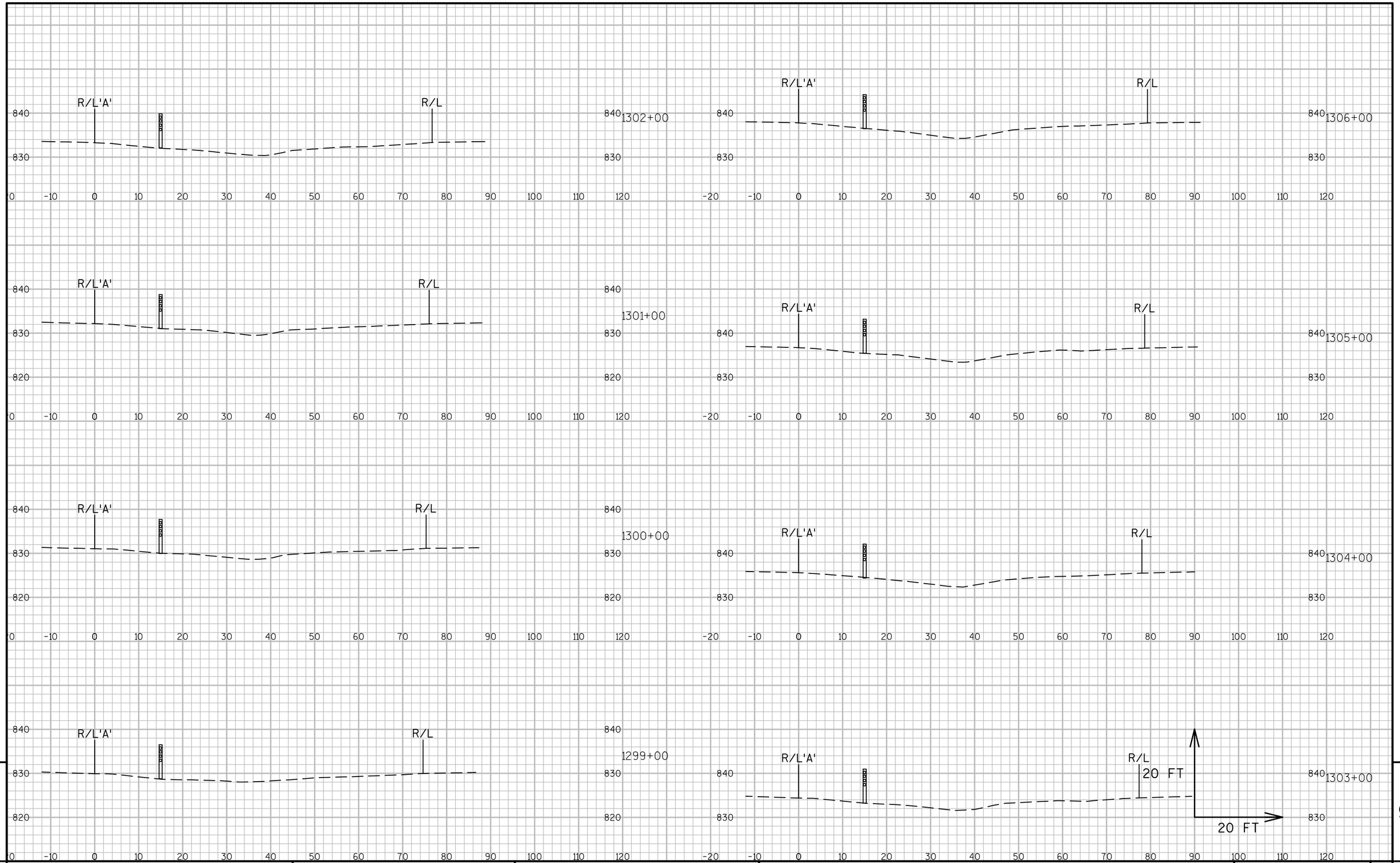
9

PROJECT NO:1016-02-60	HWY:IH 90/94	COUNTY:SAUK	CROSS SECTIONS:SAUK SOUTH	SHEET 272	E

FILE NAME : N:\PDS\C3D\10160230\SHEETSPLAN\CROSS SECTIONS\090112_XS.DWG
LAYOUT NAME - 6

PLOT DATE : 3/23/2016 8:17 AM PLOT BY : MECUM, BRANDYN W PLOT NAME : PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 49



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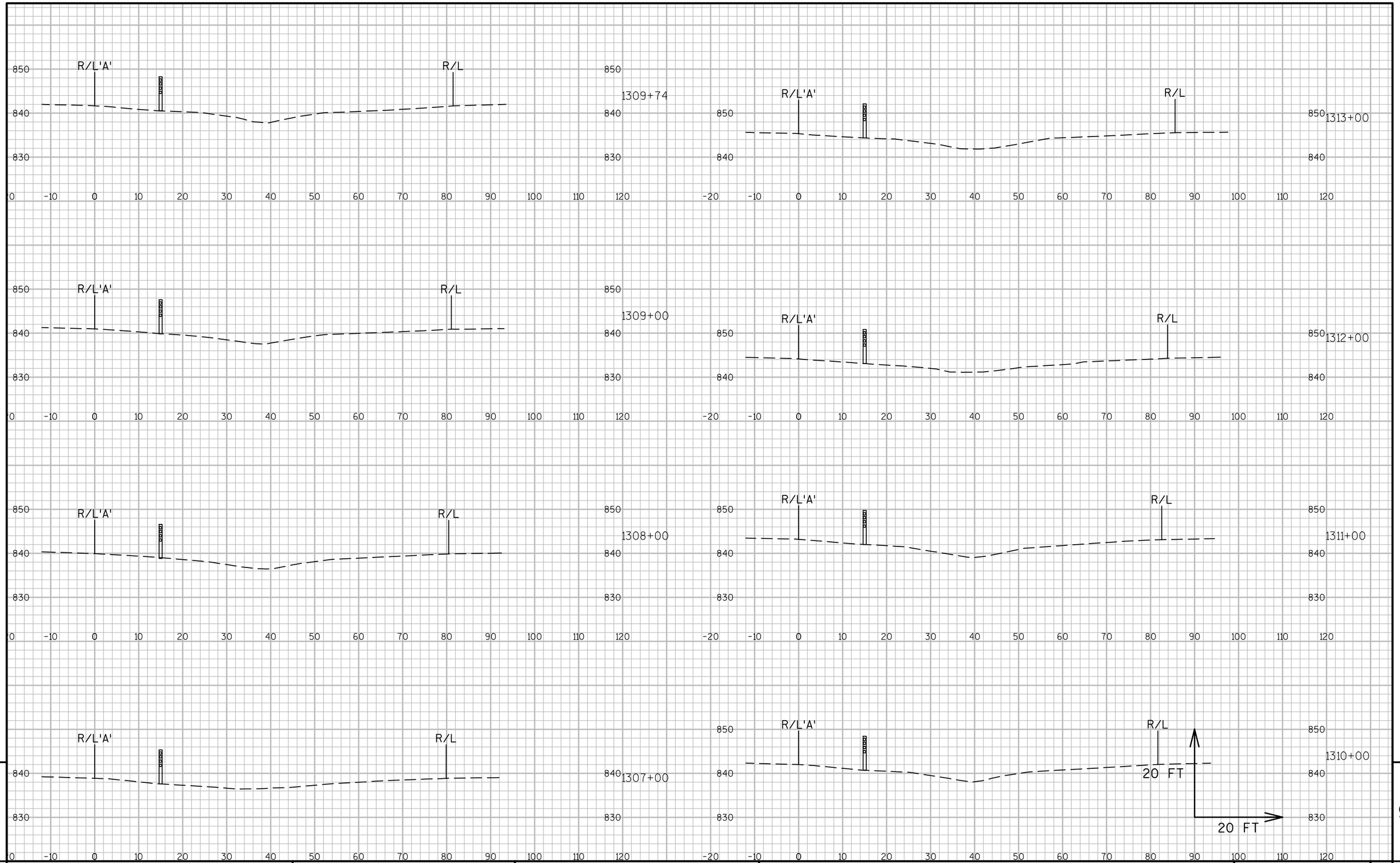
9

PROJECT NO:1016-02-60	HWY:IH 90/94	COUNTY:SAUK	CROSS SECTIONS:SAUK SOUTH	SHEET 273	E

FILE NAME : N:\PDS\C3D\10160230\SHEETSPLAN\CROSS SECTIONS\090112_XS.DWG
LAYOUT NAME - 7

PLOT DATE : 3/23/2016 8:18 AM PLOT BY : MECUM, BRANDYN W PLOT NAME : PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 49



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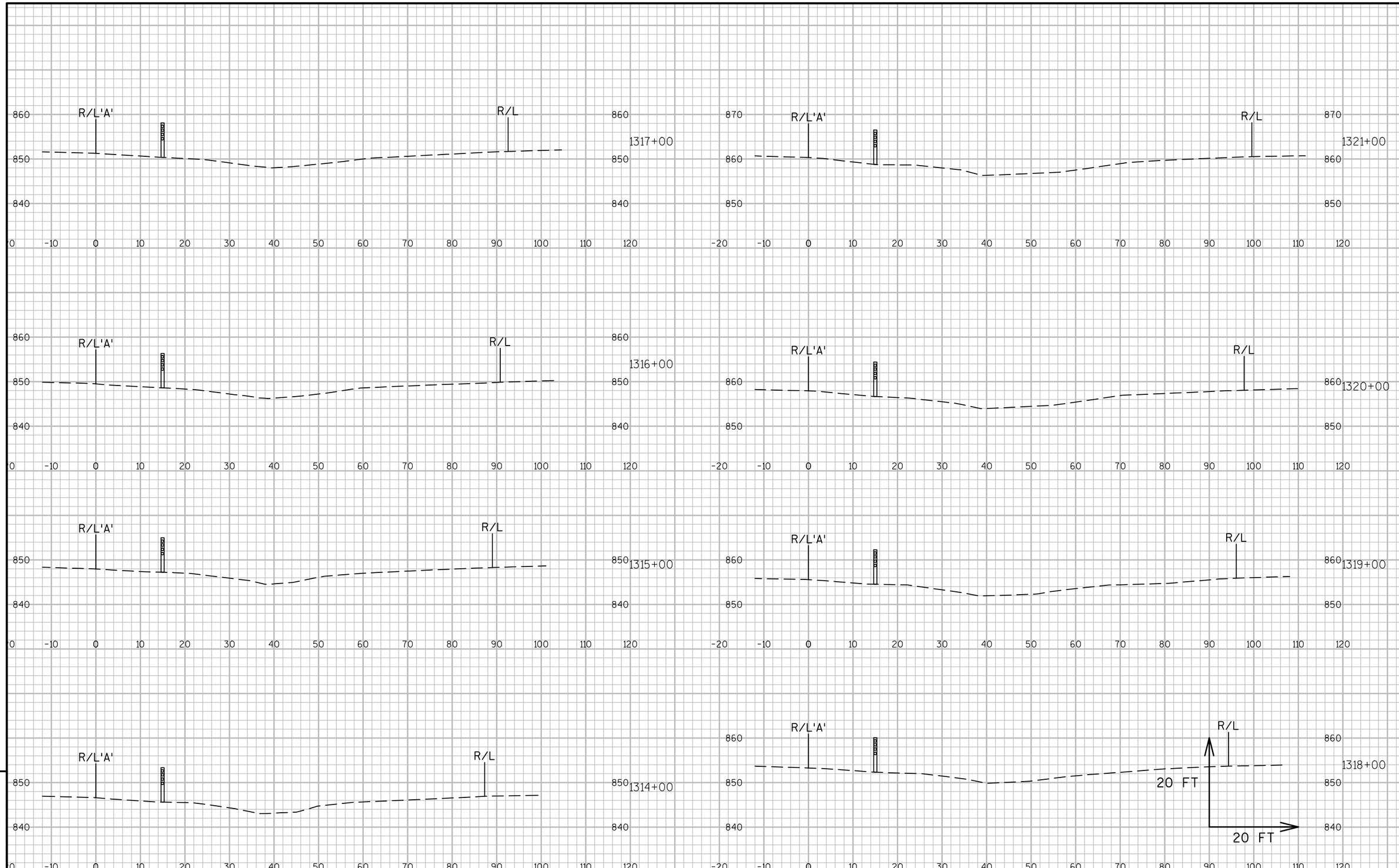
9

PROJECT NO:1016-02-60	HWY:IH 90/94	COUNTY:SAUK	CROSS SECTIONS:SAUK SOUTH	SHEET 274	E

FILE NAME : N:\PDS\C3D\10160230\SHEETSPLAN\CROSS SECTIONS\090112_XS.DWG
LAYOUT NAME - 8

PLOT DATE : 3/23/2016 8:18 AM PLOT BY : MECUM, BRANDYN W PLOT NAME : PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 49



9

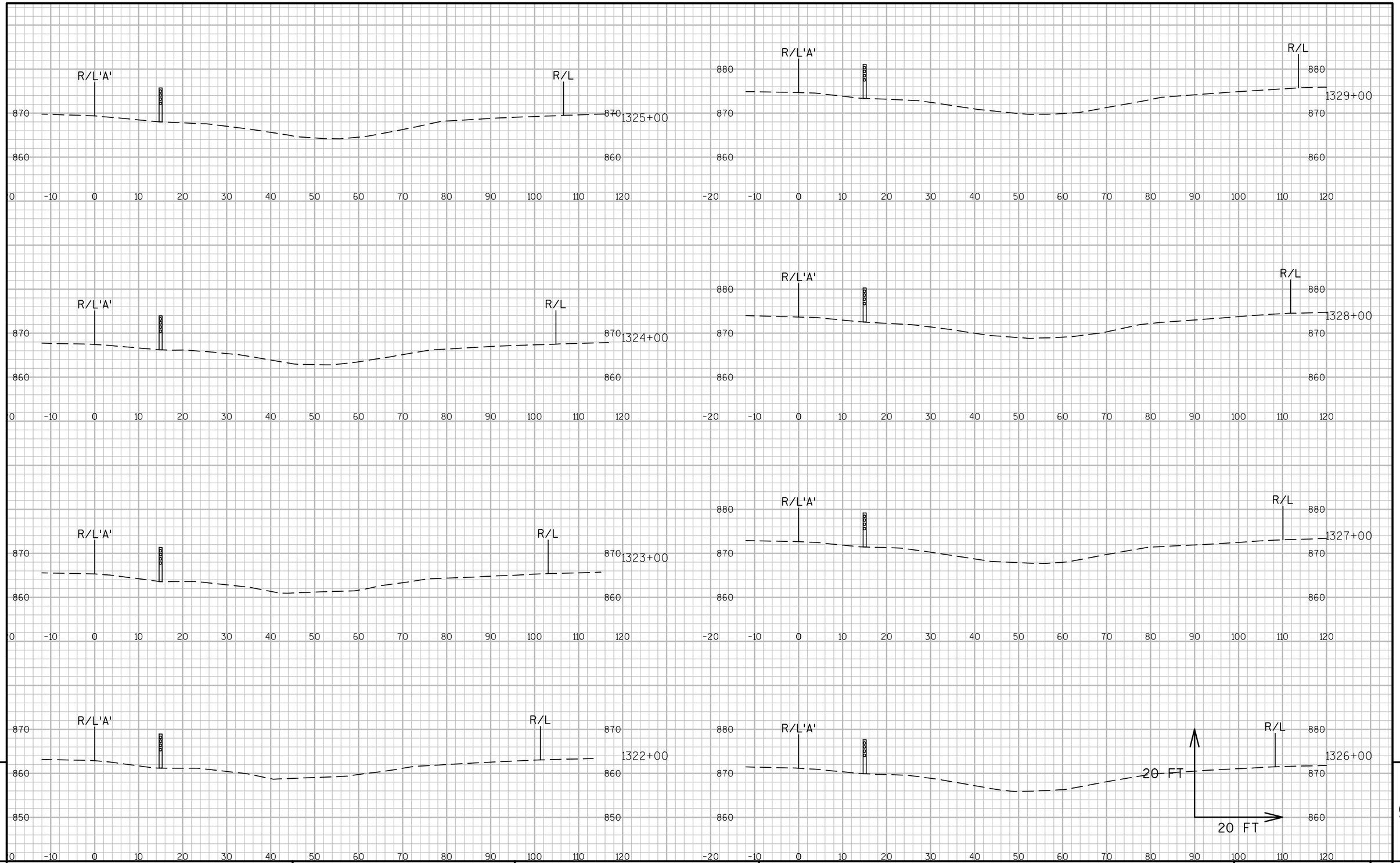
9

PROJECT NO:1016-02-60	HWY:IH 90/94	COUNTY:SAUK	CROSS SECTIONS:SAUK SOUTH	SHEET 275	E

FILE NAME : N:\PDS\C3D\10160230\SHEETSPLAN\CROSS SECTIONS\090112_XS.DWG
LAYOUT NAME - 9

PLOT DATE : 3/23/2016 8:19 AM PLOT BY : MECUM, BRANDYN W PLOT NAME : PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 49



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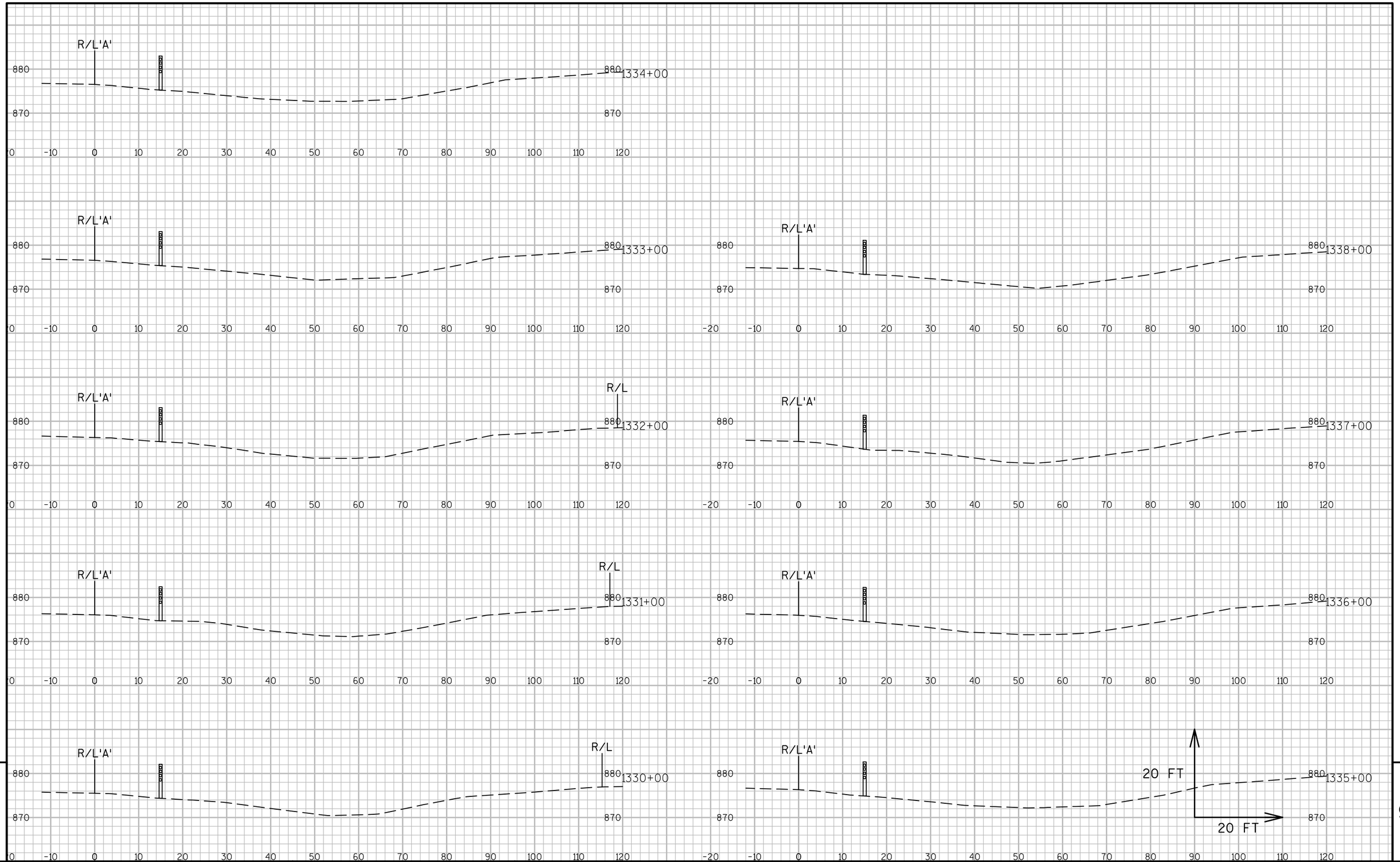
9

PROJECT NO:1016-02-60	HWY:IH 90/94	COUNTY:SAUK	CROSS SECTIONS:SAUK SOUTH	SHEET 276	E

FILE NAME : N:\PDS\C3D\10160230\SHEETSPLAN\CROSS SECTIONS\090112_XS.DWG
LAYOUT NAME - 10

PLOT DATE : 3/23/2016 8:19 AM PLOT BY : MECUM, BRANDYN W PLOT NAME : PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 49



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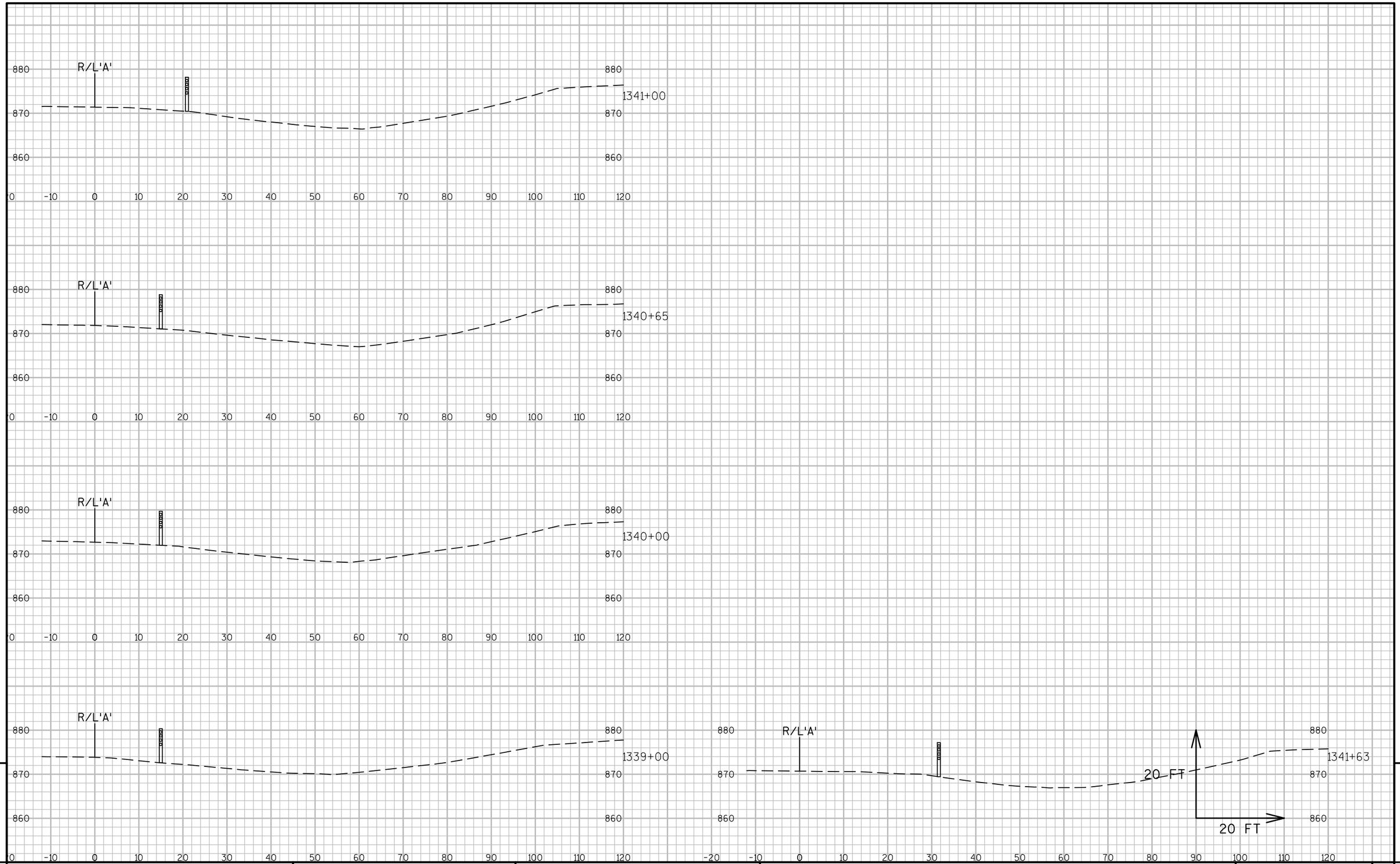
9

PROJECT NO:1016-02-60	HWY:IH 90/94	COUNTY:SAUK	CROSS SECTIONS:SAUK SOUTH	SHEET 277	E

FILE NAME : N:\PDS\C3D\10160230\SHEETSPLAN\CROSS SECTIONS\090112_XS.DWG
LAYOUT NAME - 11

PLOT DATE : 3/23/2016 8:19 AM PLOT BY : MECUM, BRANDYN W PLOT NAME : PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 49



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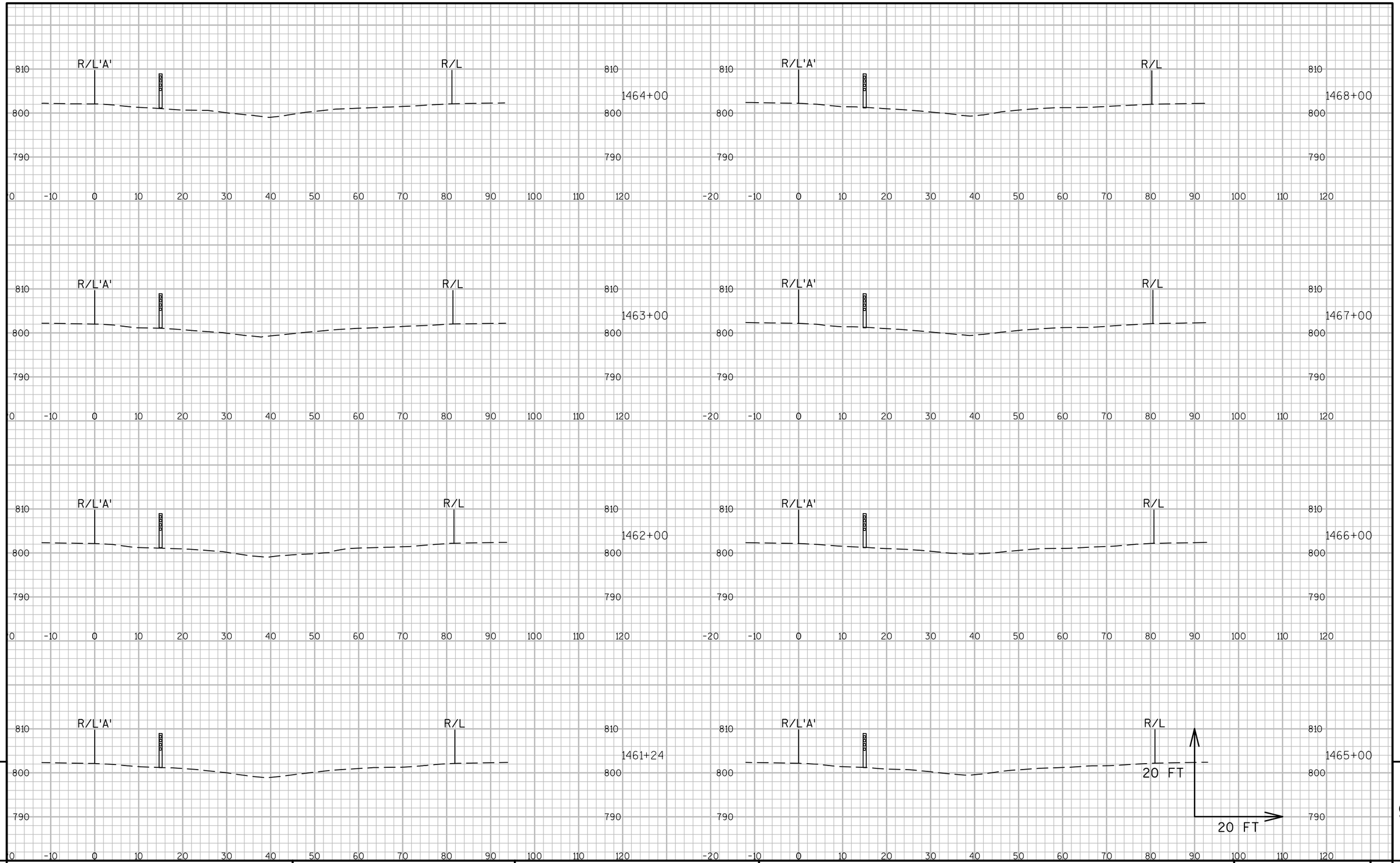
9

PROJECT NO:1016-02-60	HWY:IH 90/94	COUNTY:SAUK	CROSS SECTIONS:SAUK SOUTH	SHEET 278	E

FILE NAME : N:\PDS\C3D\10160230\SHEETSPLAN\CROSS SECTIONS\090112_XS.DWG
LAYOUT NAME - 12

PLOT DATE : 3/23/2016 8:20 AM PLOT BY : MECUM, BRANDYN W PLOT NAME : PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 49



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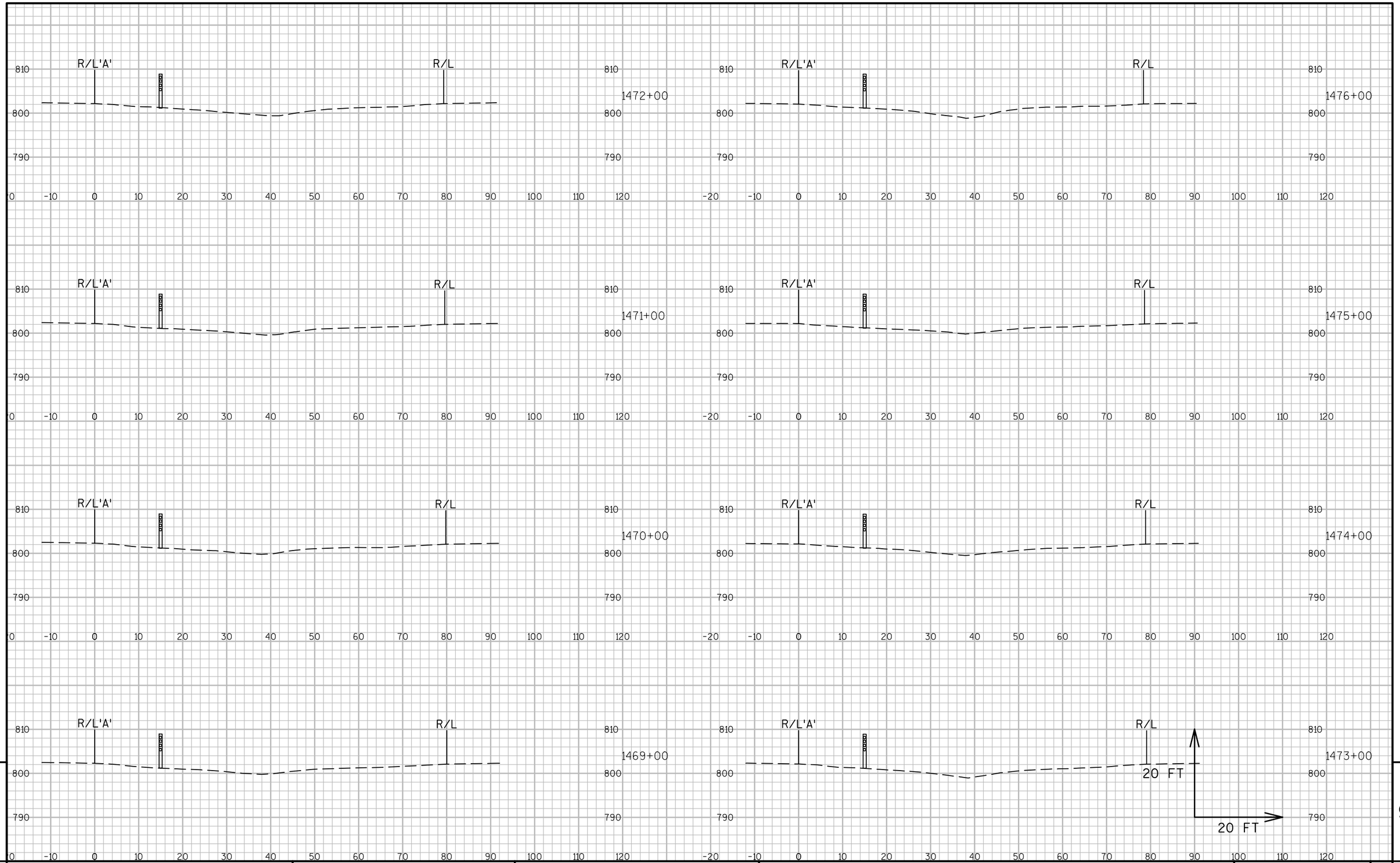
9

PROJECT NO:1016-02-60	HWY:IH 90/94	COUNTY:COLUMBIA	CROSS SECTIONS:COLUMBIA	SHEET 279	E

FILE NAME : N:\PDS\C3D\10160230\SHEETSPLAN\CROSS SECTIONS\090113_XS.DWG
LAYOUT NAME - (1)

PLOT DATE : 3/23/2016 9:57 AM PLOT BY : MECUM, BRANDYN W PLOT NAME : PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 49



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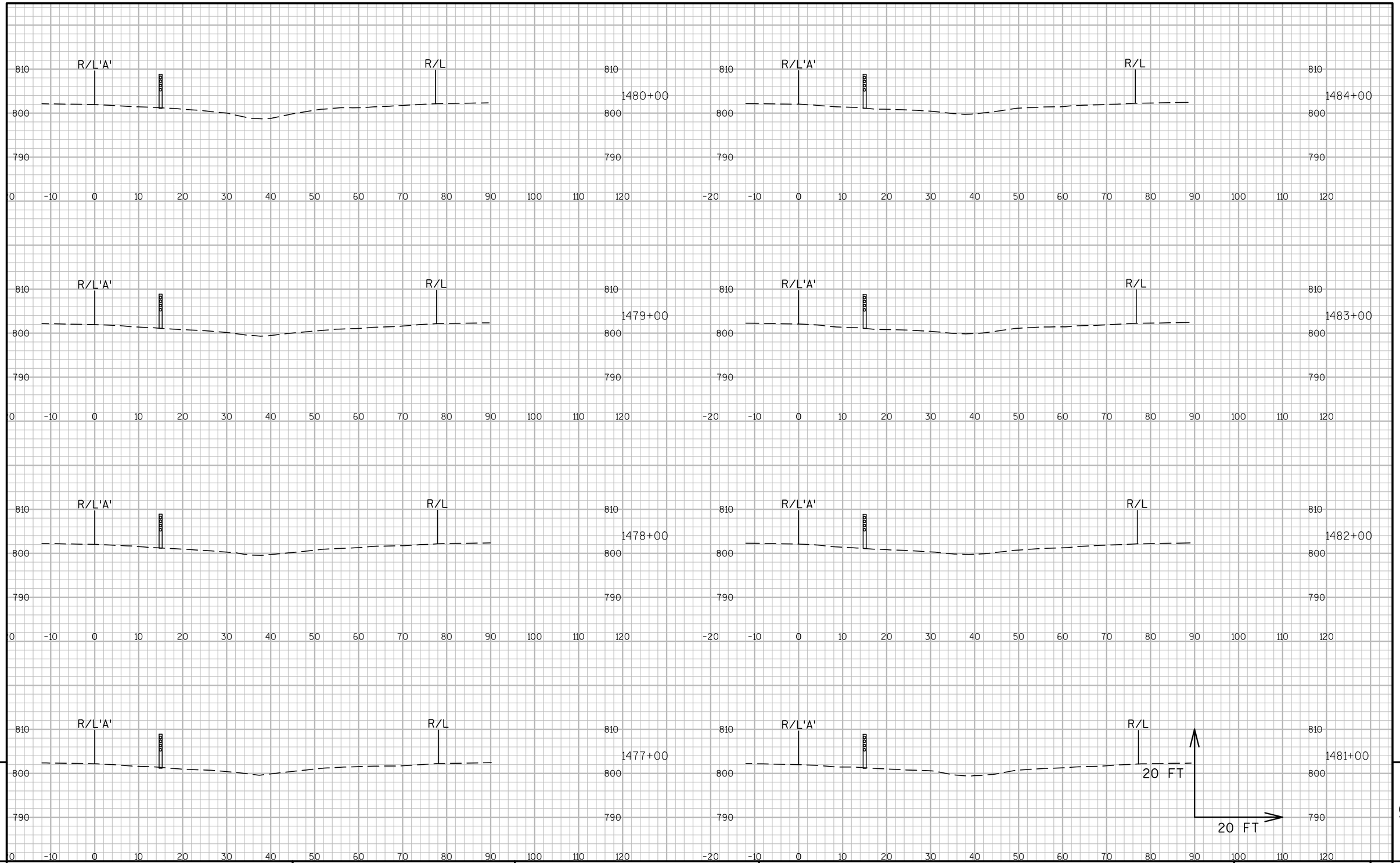
9

PROJECT NO:1016-02-60	HWY:IH 90/94	COUNTY:COLUMBIA	CROSS SECTIONS:COLUMBIA	SHEET 280	E

FILE NAME : N:\PDS\C3D\10160230\SHEETSPLAN\CROSS SECTIONS\090113_XS.DWG
LAYOUT NAME - (2)

PLOT DATE : 3/23/2016 10:02 AM PLOT BY : MECUM, BRANDYN W PLOT NAME : PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 49



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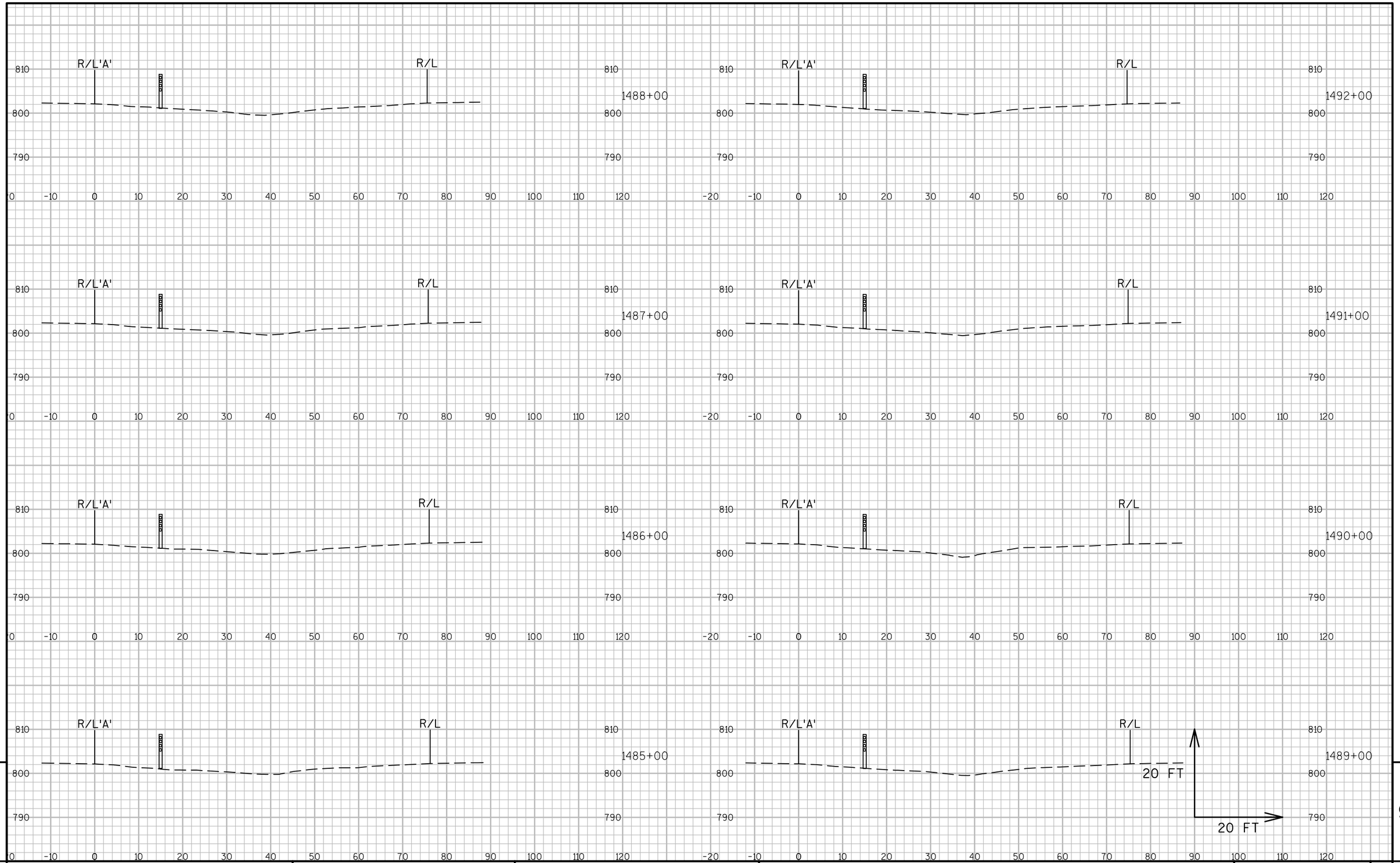
9

PROJECT NO:1016-02-60	HWY:IH 90/94	COUNTY:COLUMBIA	CROSS SECTIONS:COLUMBIA	SHEET 281	E

FILE NAME : N:\PDS\C3D\10160230\SHEETSPLAN\CROSS SECTIONS\090113_XS.DWG
LAYOUT NAME - (3)

PLOT DATE : 3/23/2016 10:03 AM PLOT BY : MECUM, BRANDYN W PLOT NAME : PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 49



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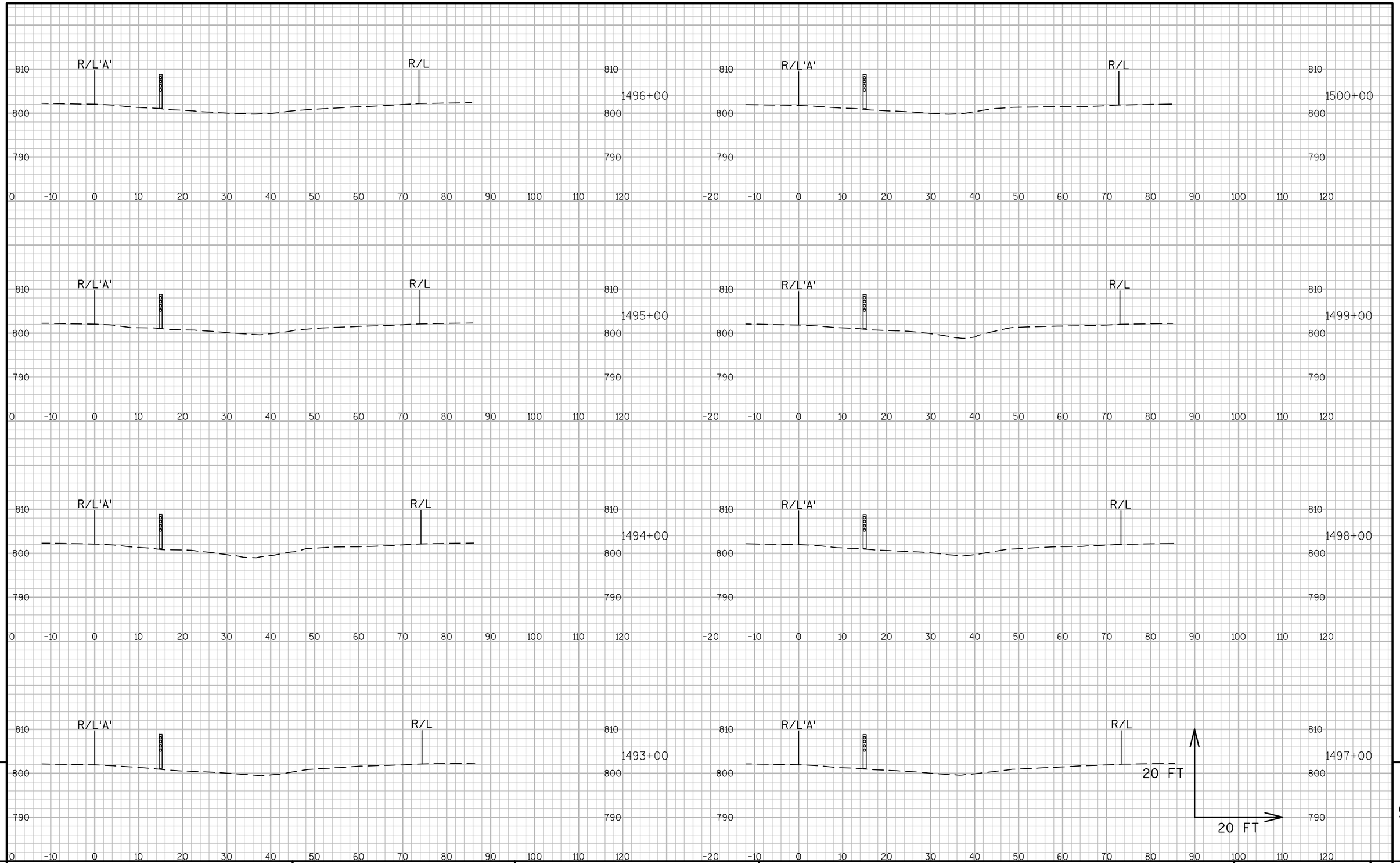
9

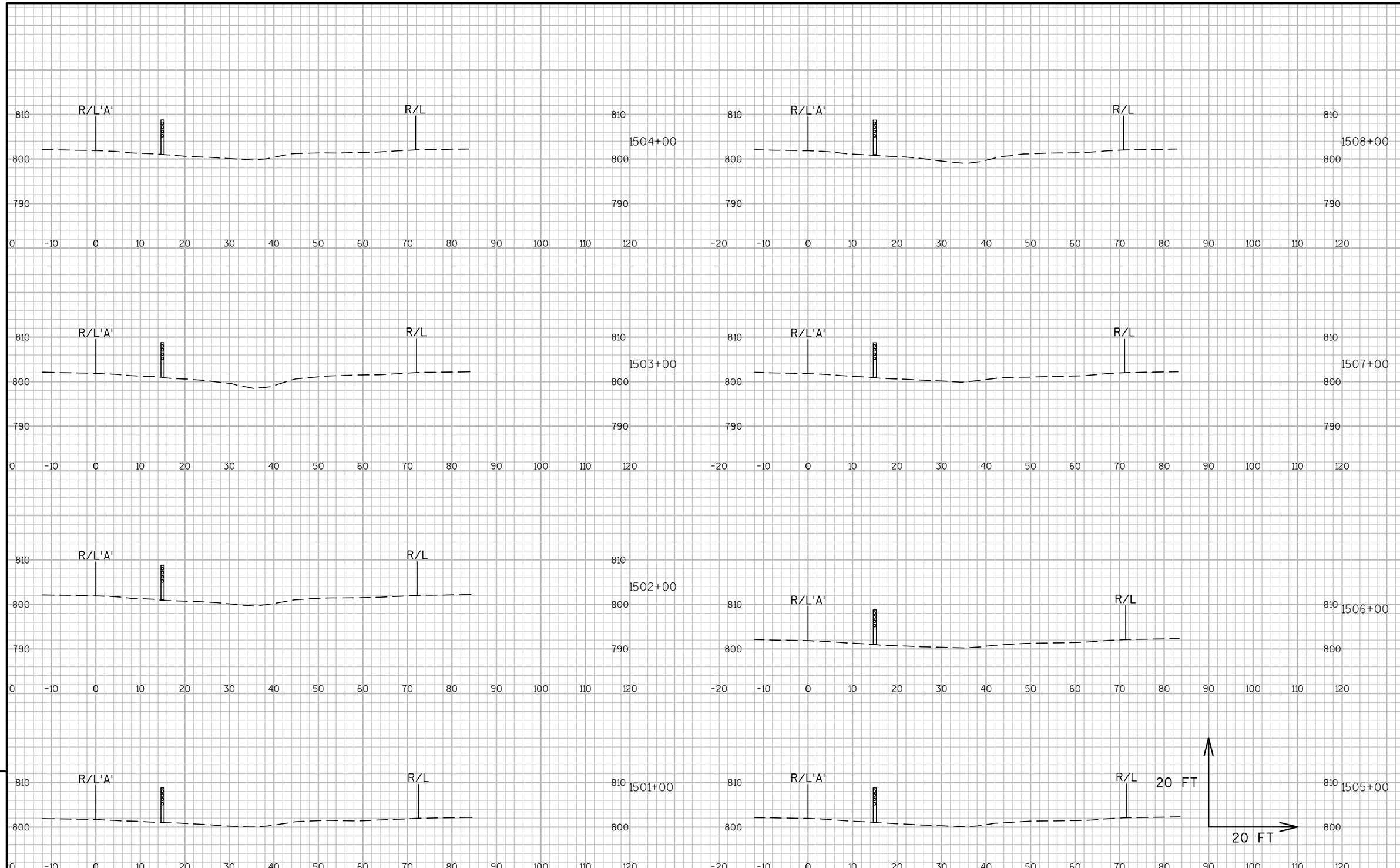
PROJECT NO:1016-02-60	HWY:IH 90/94	COUNTY:COLUMBIA	CROSS SECTIONS:COLUMBIA	SHEET 282	E

FILE NAME : N:\PDS\C3D\10160230\SHEETSPLAN\CROSS SECTIONS\090113_XS.DWG
LAYOUT NAME - (4)
PLOT DATE : 3/23/2016 10:04 AM PLOT BY : MECUM, BRANDYN W PLOT NAME : PLOT SCALE : 1 IN:20 FT



PROJECT NO:1016-02-60	HWY:IH 90/94	COUNTY:COLUMBIA	CROSS SECTIONS:COLUMBIA	SHEET 283	E

FILE NAME : N:\PDS\C3D\10160230\SHEETSPLAN\CROSS SECTIONS\090113_XS.DWG
LAYOUT NAME - (5)
PLOT DATE : 3/23/2016 10:05 AM PLOT BY : MECUM, BRANDYN W PLOT NAME : PLOT SCALE : 1 IN:20 FT

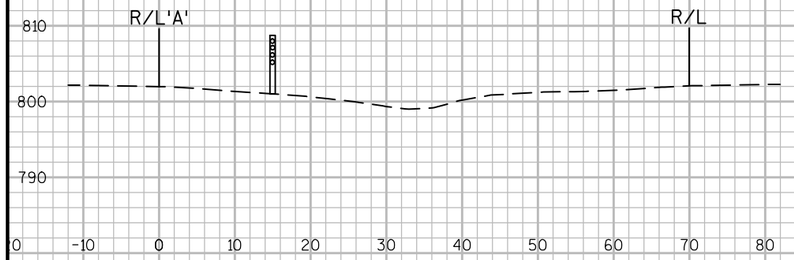


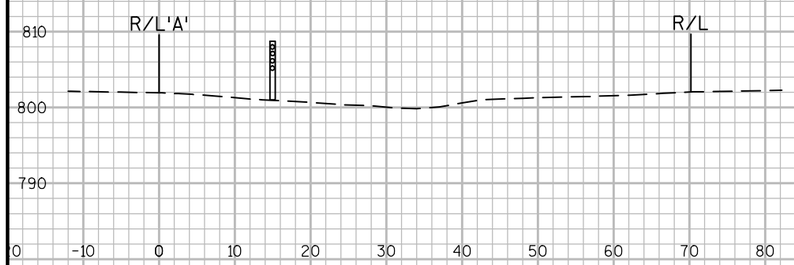
9

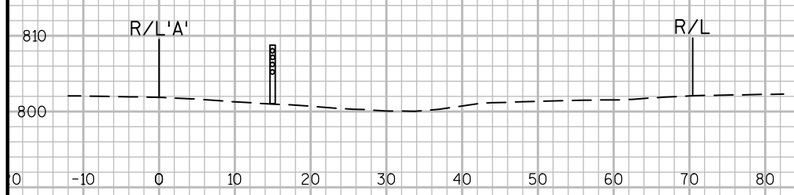
9

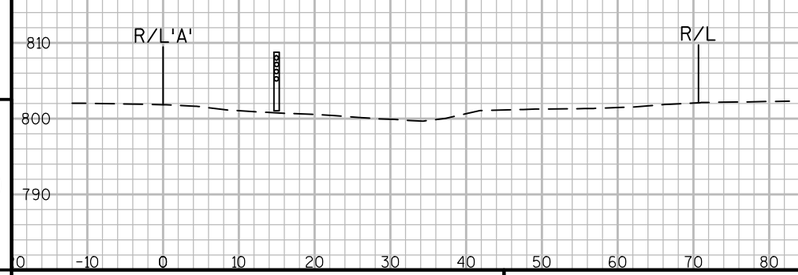
PROJECT NO:1016-02-60	HWY:IH 90/94	COUNTY:COUNTY:COLUMBIA	CROSS SECTIONS:COLUMBIA	SHEET 284	E

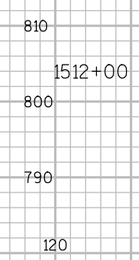
FILE NAME : N:\PDS\C3D\10160230\SHEETSPLAN\CROSS SECTIONS\090113_XS.DWG
LAYOUT NAME - (6)
PLOT DATE : 3/23/2016 10:06 AM PLOT BY : MECUM, BRANDYN W PLOT NAME : PLOT SCALE : 1 IN:20 FT

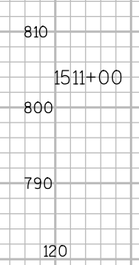


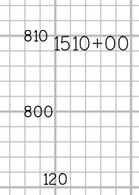


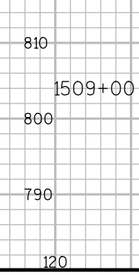


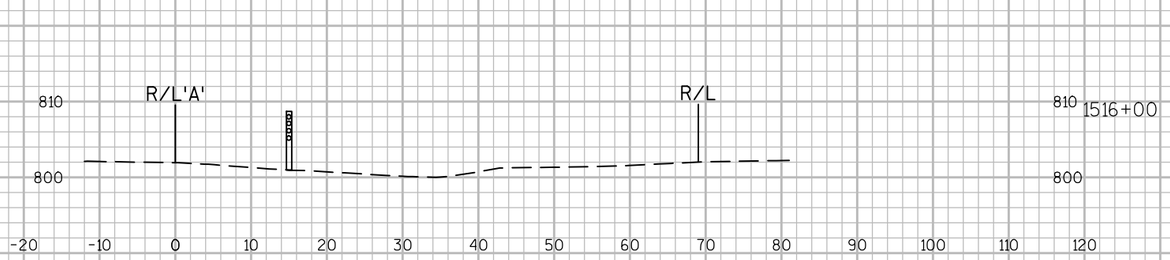


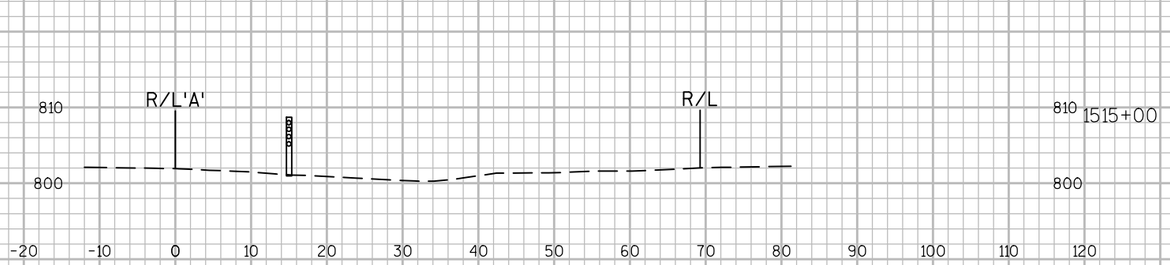


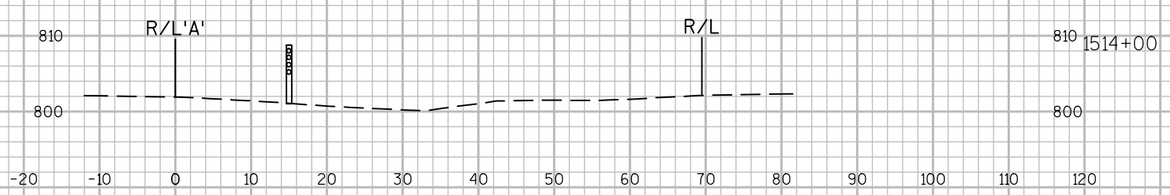


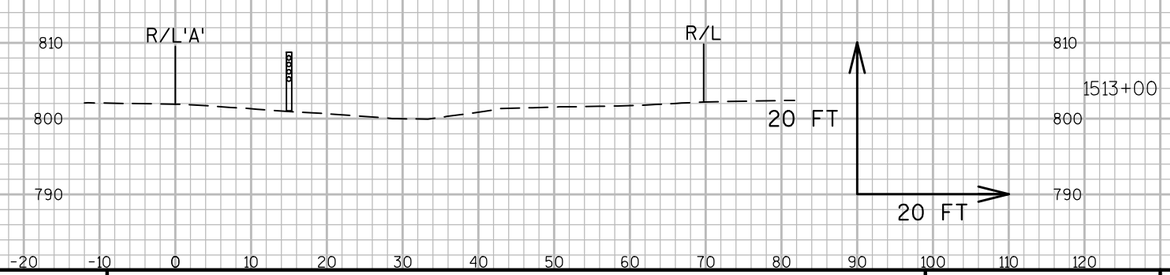












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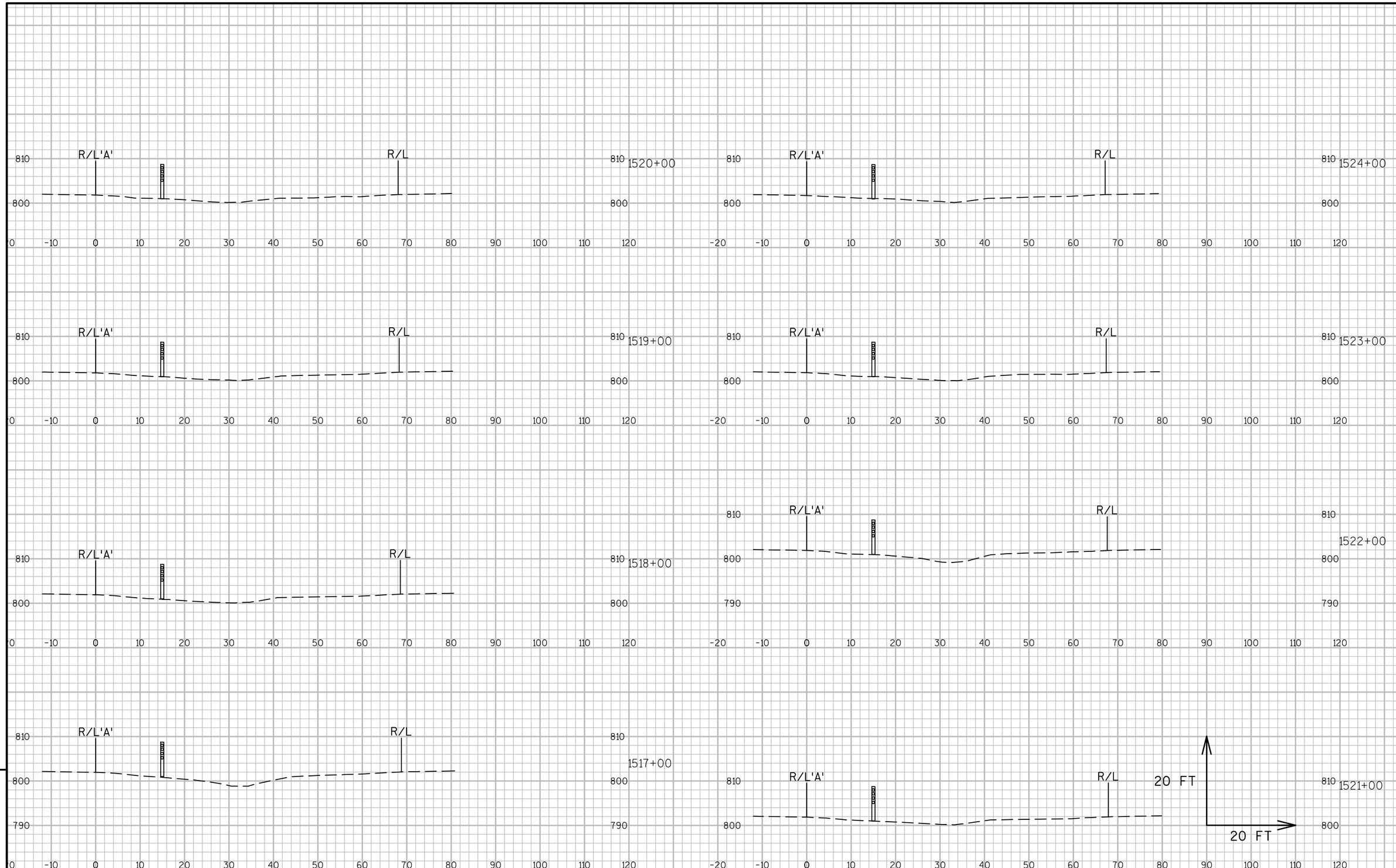
PROJECT NO:1016-02-60	HWY:IH 90/94	COUNTY:COUNTY:COLUMBIA	CROSS SECTIONS:COLUMBIA	SHEET 285	E

FILE NAME : N:\PDS\C3D\10160230\SHEETSPLAN\CROSS SECTIONS\090113_XS.DWG
LAYOUT NAME - (7)
PLOT DATE : 3/23/2016 10:07 AM PLOT BY : MECUM, BRANDYN W PLOT NAME : PLOT SCALE : 1 IN:20 FT



9

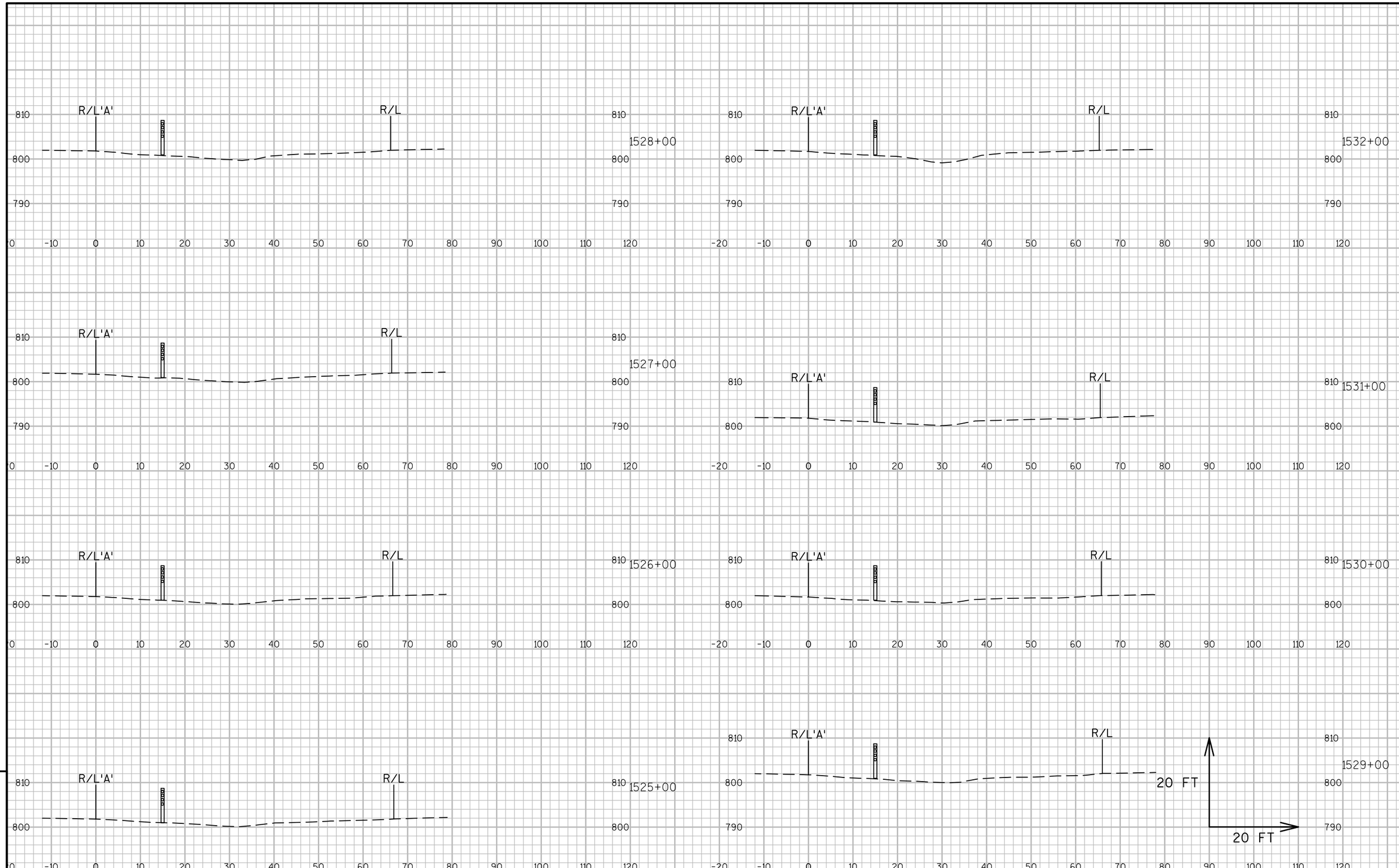
9

PROJECT NO:1016-02-60	HWY:IH 90/94	COUNTY:COLUMBIA	CROSS SECTIONS:COLUMBIA	SHEET 286	E

FILE NAME : N:\PDS\C3D\10160230\SHEETSPLAN\CROSS SECTIONS\090113_XS.DWG
LAYOUT NAME - (8)

PLOT DATE : 3/23/2016 10:08 AM PLOT BY : MECUM, BRANDYN W PLOT NAME : PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 49

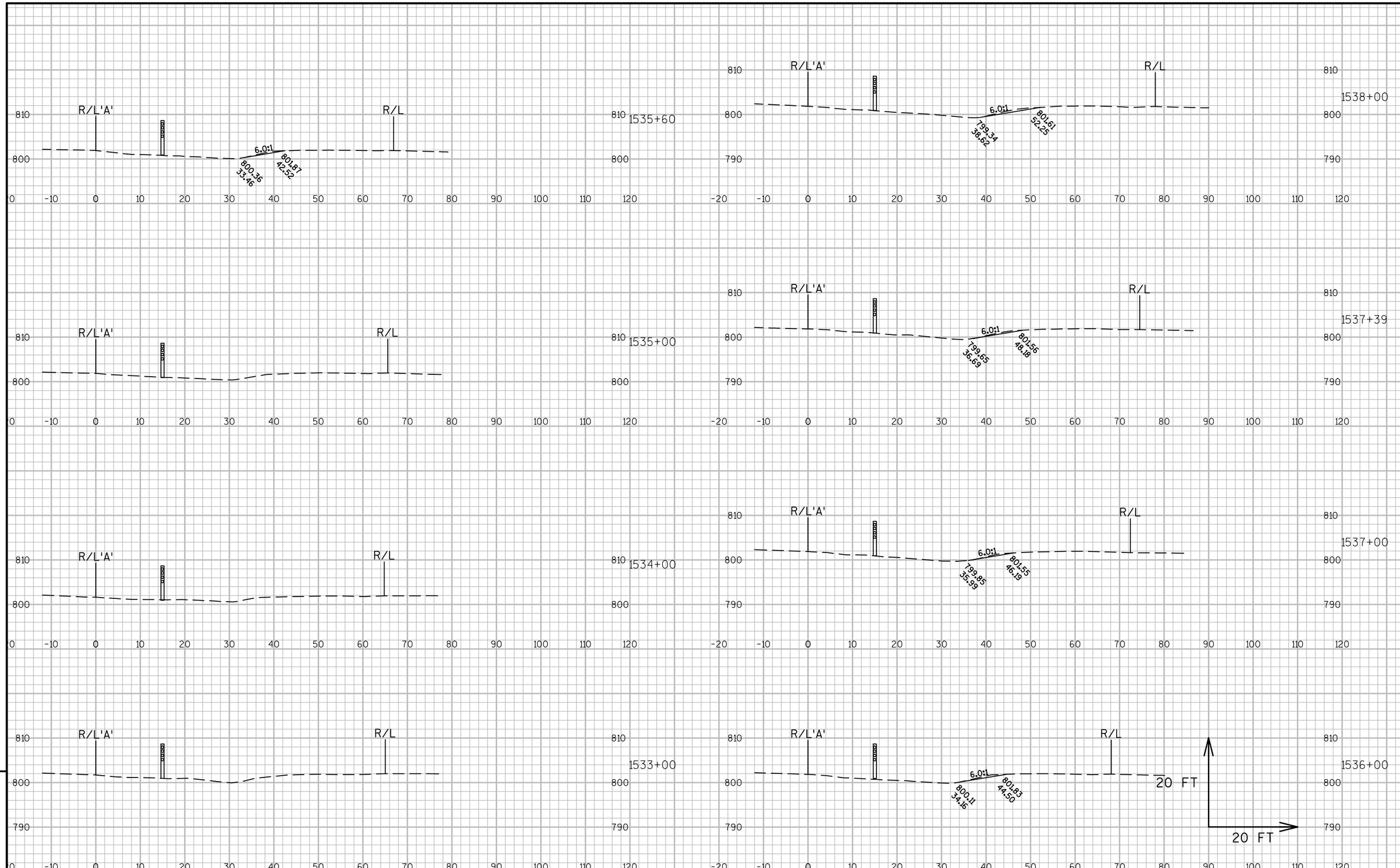


9

9

PROJECT NO:1016-02-60	HWY:IH 90/94	COUNTY:COLUMBIA	CROSS SECTIONS:COLUMBIA	SHEET 287	E

FILE NAME : N:\PDS\C3D\10160230\SHEETSPLAN\CROSS SECTIONS\090113_XS.DWG
LAYOUT NAME - (9)
PLOT DATE : 3/23/2016 10:08 AM PLOT BY : MECUM, BRANDYN W PLOT NAME : PLOT SCALE : 1 IN:20 FT



9

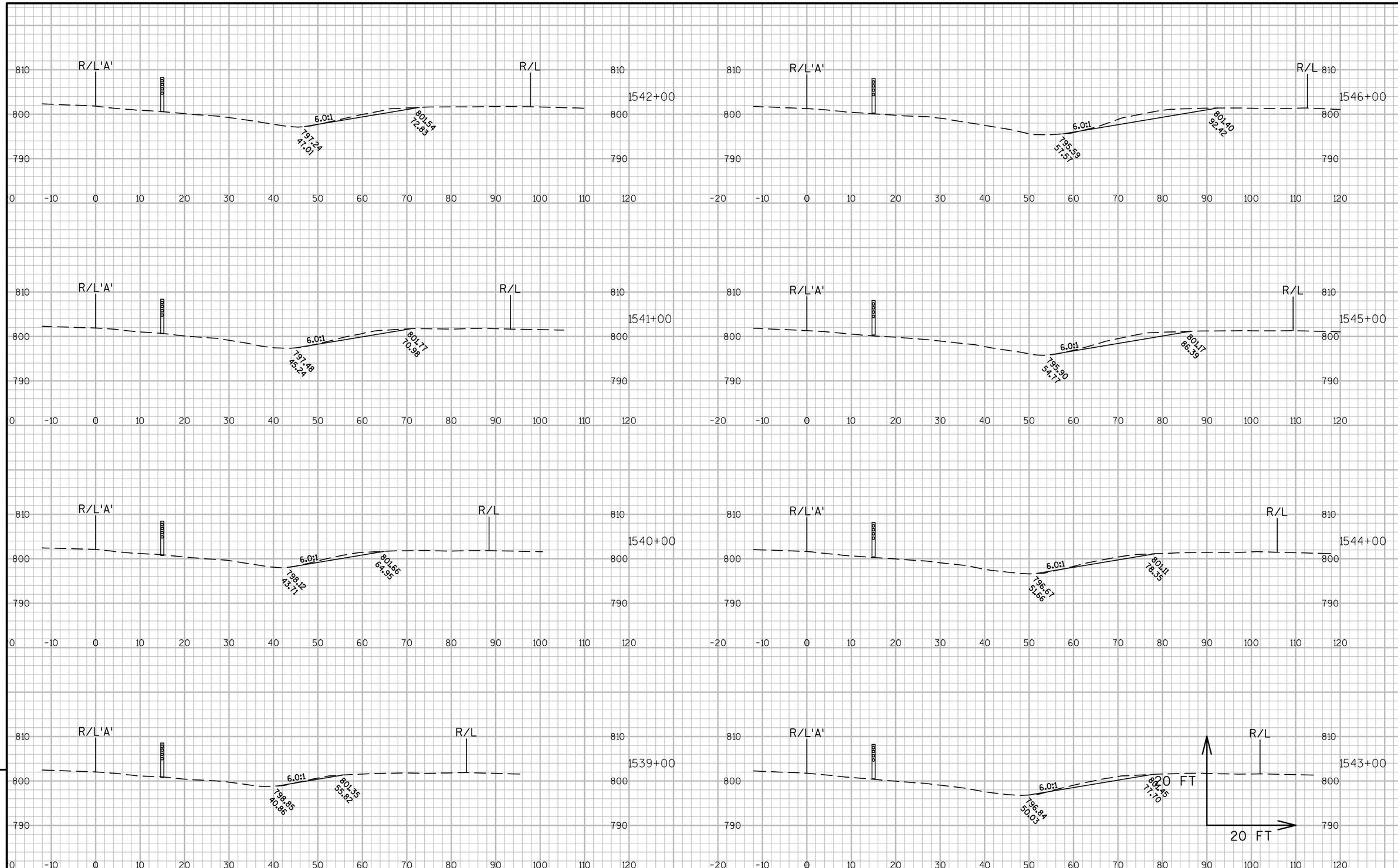
9

PROJECT NO:1016-02-60	HWY:IH 90/94	COUNTY:COLUMBIA	CROSS SECTIONS:COLUMBIA	SHEET 288	E

FILE NAME : N:\PDS\C3D\10160230\SHEETSPLAN\CROSS SECTIONS\090113_XS.DWG
LAYOUT NAME - (10)

PLOT DATE : 3/23/2016 10:09 AM PLOT BY : MECUM, BRANDYN W PLOT NAME : PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 49



9

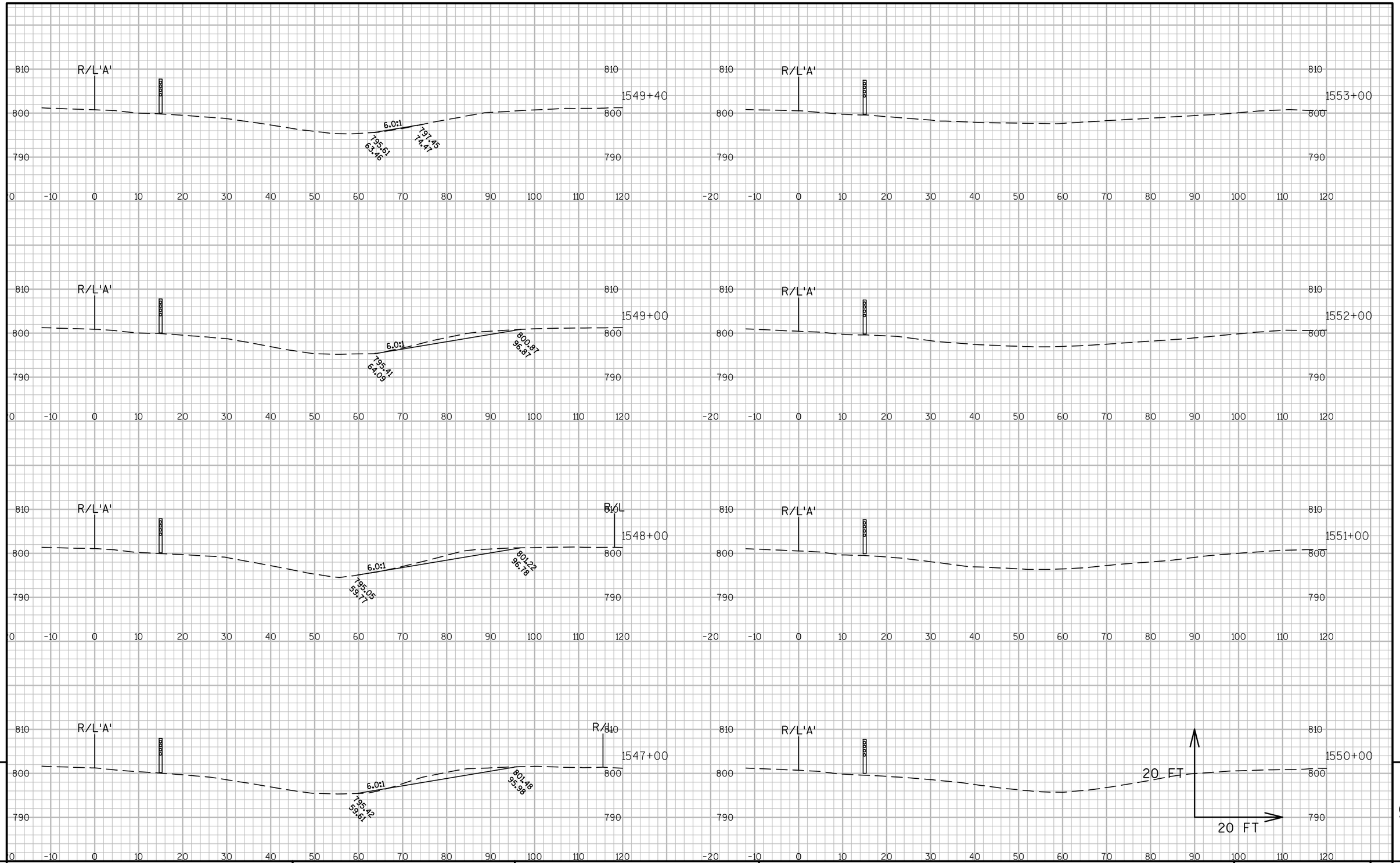
9

PROJECT NO:1016-02-60	HWY:IH 90/94	COUNTY:COLUMBIA	CROSS SECTIONS:COLUMBIA	SHEET 289	E

FILE NAME : N:\PDS\C3D\10160230\SHEETSPLAN\CROSS SECTIONS\090113_XS.DWG
LAYOUT NAME - (11)

PLOT DATE : 3/23/2016 10:10 AM PLOT BY : MECUM, BRANDYN W PLOT NAME : PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 49



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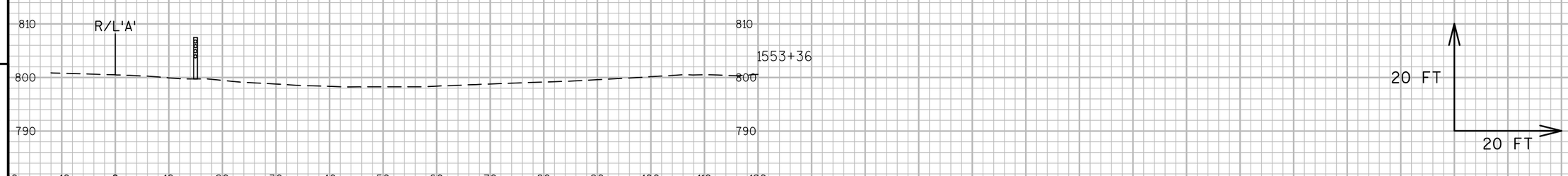
9

PROJECT NO:1016-02-60	HWY:IH 90/94	COUNTY:COLUMBIA	CROSS SECTIONS:COLUMBIA	SHEET 290	E

FILE NAME : N:\PDS\C3D\10160230\SHEETSPLAN\CROSS SECTIONS\090113_XS.DWG
LAYOUT NAME - (12)

PLOT DATE : 3/23/2016 10:11 AM PLOT BY : MECUM, BRANDYN W PLOT NAME : PLOT SCALE : 1 IN:20 FT



9

9

PROJECT NO:1016-02-60	HWY:IH 90/94	COUNTY:COLUMBIA	CROSS SECTIONS:COLUMBIA	SHEET 291	E

FILE NAME : N:\PDS\C3D\10160230\SHEETSPLAN\CROSS SECTIONS\090113_XS.DWG
LAYOUT NAME - (13)

PLOT DATE : 3/23/2016 10:12 AM PLOT BY : MECUM, BRANDYN W PLOT NAME : PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 49

Wisconsin Department of Transportation

Dedicated people creating transportation solutions through innovation and exceptional service.

http://www.dot.wisconsin.gov

Addendum No. 01
ID 1016-02-60
Revised Sheet 77
October 11, 2016

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TRAFFIC CONTROL

CAT.	STATION	TO	STATION	LOCATION	DAYS	TRAFFIC CONTROL DRUMS EACH	643.0300 TRAFFIC CONTROL DRUMS DAY	TRAFFIC CONTROL BARRICADES TYPE III EACH	643.0420 TRAFFIC CONTROL BARRICADES TYPE III DAY	TRAFFIC CONTROL WARNING LIGHTS TYPE A EACH	643.0705 TRAFFIC CONTROL WARNING LIGHTS TYPE A DAY	TRAFFIC CONTROL WARNING LIGHTS TYPE C EACH	643.0715 TRAFFIC CONTROL WARNING LIGHTS TYPE C DAY	TRAFFIC CONTROL ARROW BOARDS EACH	643.0800 TRAFFIC CONTROL ARROW BOARDS DAY	TRAFFIC CONTROL SIGNS EACH	643.0900 TRAFFIC CONTROL SIGNS DAY	REMARKS
			JUNEAU NORTH															
0010	47+20	-	139+00	IH 90/94 EB	3	58	174	2	6	4	12	16	48	2	6	12	36	EB LANE CLOSURE
0010	123+00	-	175+00	IH 90/94 EB	3	18	54	-	-	-	-	-	-	1	3	8	24	EB SHOULDER CLOSURE
0010	139+00A	-	245+80A	IH 90/94 WB	5	73	365	3	15	6	30	16	80	2	10	13	65	WB LANE CLOSURE
			JUNEAU SOUTH															
0010	320+00A	-	468+80A	IH 90/94 WB	9	115	1035	6	54	12	108	16	144	2	18	16	144	WB LANE CLOSURE
0010	291+00	-	343+00	IH 90/94 EB	9	18	162	-	-	-	-	-	-	1	9	8	72	EB SHOULDER CLOSURE
0010	333+20	-	453+00	IH 90/94 EB	5	86	430	4	20	8	40	16	80	2	10	14	70	EB LANE CLOSURE
			SAUK															
0010	570+20	-	684+00	IH 90/94 EB	5	80	400	3	15	6	30	16	80	2	10	13	65	EB LANE CLOSURE
0010	647+00A	-	715+00A	IH 90/94 WB	5	34	170	-	-	-	-	-	-	1	5	8	40	WB SHOULDER CLOSURE
0010	674+00A	-	846+80A	IH 90/94 WB	7	139	973	8	56	16	112	16	112	2	14	18	126	WB LANE CLOSURE
0010	646+00	-	693+00	IH 90/94 EB	3	13	39	-	-	-	-	-	-	1	3	8	24	EB SHOULDER CLOSURE
0010	724+00	-	781+00	IH 90/94 EB	4	23	92	-	-	-	-	-	-	1	4	8	32	EB SHOULDER CLOSURE
0010	813+00A	-	899+80A	IH 90/94 WB	3	53	159	1	3	2	6	16	48	2	6	11	33	WB LANE CLOSURE
0010	767+20	-	862+00	IH 90/94 EB	3	61	183	2	6	4	12	16	48	2	6	12	36	EB LANE CLOSURE
0010	851+00A	-	967+80A	IH 90/94 WB	4	83	332	4	16	8	32	16	64	2	8	14	56	WB LANE CLOSURE
0010	835+20	-	991+00	IH 90/94 EB	6	122	732	7	42	14	84	16	96	2	12	17	102	EB LANE CLOSURE
0010	896+00A	-	945+00A	IH 90/94 WB	2	15	30	-	-	-	-	-	-	1	2	8	16	WB SHOULDER CLOSURE
0010	979+00A	-	1075+80A	IH 90/94 WB	1	63	63	2	2	4	4	16	16	2	2	12	12	WB LANE CLOSURE
0010	957+20	-	1069+00	IH 90/94 EB	5	78	390	3	15	6	30	16	80	2	10	13	65	EB LANE CLOSURE
0010	1060+00A	-	1188+80A	IH 90/94 WB	3	95	285	5	15	10	30	16	48	2	6	15	45	WB LANE CLOSURE
0010	1116+00A	-	1281+80A	IH 90/94 WB	5	132	660	7	35	14	70	16	80	2	10	17	85	WB LANE CLOSURE
0010	1189+20	-	1275+00	IH 90/94 WB	1	52	52	1	1	2	2	16	16	2	2	11	11	EB LANE CLOSURE
0010	1264+00A	-	1409+80A	IH 90/94 EB	5	112	560	6	30	12	60	16	80	2	10	16	80	WB LANE CLOSURE
			COLUMBIA															
0010	1456+00A	-	1621+80A	IH 90/94 WB	9	132	1188	7	63	14	126	16	144	2	18	17	153	WB LANE CLOSURE
0010	1497+00	-	1555+00	IH 90/94 EB	3	12	36	-	-	-	-	-	-	1	3	8	24	EB SHOULDER CLOSURE
				TOTAL 0010			8564		394		788		1264		187		1416	

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