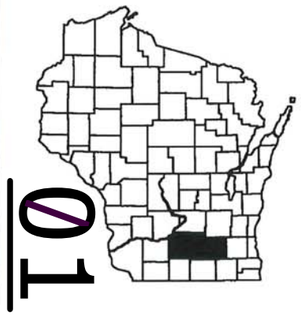
MAD JAN 2017

PROJECT ID: 3671-00-71

COUNTY: DANE & JEFFERSON

ORDER OF SHEETS

TOTAL SHEETS = 228



N

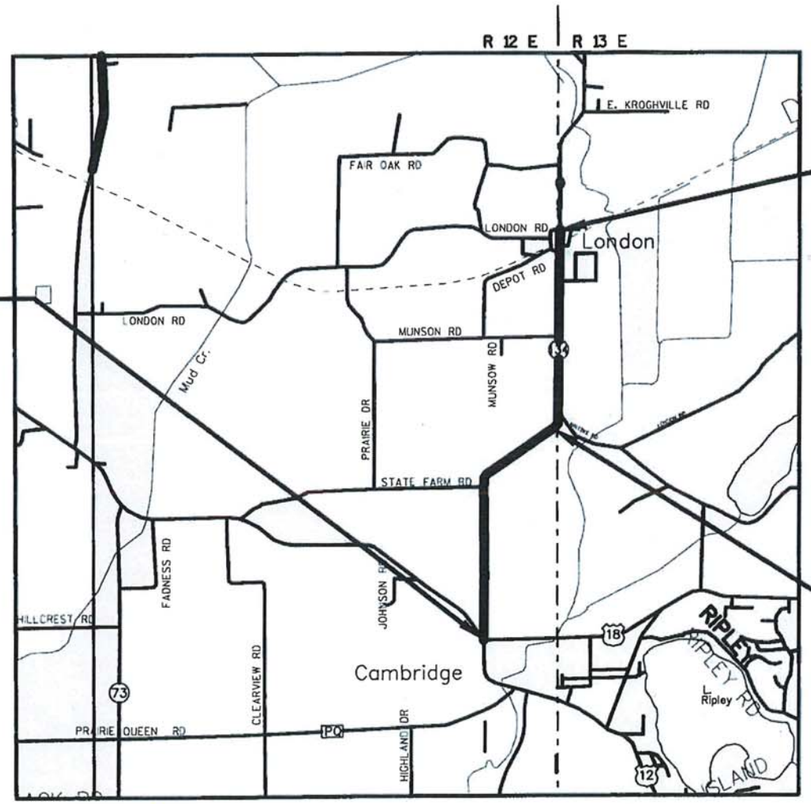
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED IMPROVEMENT

CAMBRIDGE - LONDON
USH 12 TO CTH O
STH 134
DANE & JEFFERSON COUNTY

STATE PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
3671-00-71	WISC 2017001	1

STATE PROJECT NUMBER
3671-00-71



DESIGN DESIGNATION

A.A.D.T.(2016)	=	900
A.A.D.T.(2036)	=	1100
D.H.V.	=	5.8%
D.D.	=	60/40
T.	=	6.9%
DESIGN SPEED	=	60 MPH
ESALS	=	160,600

BEGIN PROJECT 3671-00-71
STA 101+00
Y = 917,681.58
X = 459,596.79

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

LAYOUT
SCALE 0 0.5 MI

TOTAL NET LENGTH OF CENTERLINE = 2.803 MI

HORIZONTAL POSITIONS SHOWN ON THIS PLAN ARE WISCONSIN COUNTY COORDINATES, DANE COUNTY, NAD83 (1991), IN U.S. SURVEY FEET. VALUES ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

ORIGINAL PLANS PREPARED BY

WISCONSIN TIMOTHY J. MOYER E-39623 SHEBOYGAN WI PROFESSIONAL ENGINEER

7/11/2016 (Date) (Signature)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PREPARED BY

Surveyor	JSD PROFESSIONAL SERVICES INC.
Designer	DONOHUE & ASSOCIATES, INC
Project Manager	LALITHA BALACHANDRAN
Regional Examiner	
Regional Supervisor	WILLIAM STROBEL

APPROVED FOR THE DEPARTMENT

DATE: 7/12/2016 William Strobel (Signature)

E

FILE NAME : L:\PROJECTS\12516\DWG\36710001\SHEETSPLAN\010101_TI.DWG

PLOT DATE : 11/17/2015 9:51 AM

PLOT BY : MOYER, TIM

PLOT NAME :

WISDOT/CADDS SHEET 10

UTILITY CONTACTS

MIKE OLSEN
ATC MANAGEMENT, INC.
(ELECTRICITY)
801 O'KEEFE RD
P.O. BOX 6113
DE PERE, WI 54115–6113
(920) 338–6582
MOLSEN@ATCLLC.COM

JASON HOGAN
ALLIANT ENERGY
(GAS/PETROLEUM)
SUITE 1000
4902 N BILTMORE LANE
MADISON, WI 53718
(608) 458–4871
JASONHOGAN@ALLIANTENERGY.COM

JASON HOGAN
ALLIANT ENERGY
(ELECTRICITY)
SUITE 1000
4902 N BILTMORE LANE
MADISON, WI 53718
(608) 458–4871
JASONHOGAN@ALLIANTENERGY.COM

BRANDON STORM
CHARTER COMMUNICATIONS
(COMMUNICATION LINE)
2701 DANIELS ST.
MADISON, WI 53718
(608) 274–3822
BRANDON.STORM@CHARTERCOM.COM

ROBERT CHURCH
FRONTIER COMMUNICATIONS OF WI LLC
(COMMUNICATION LINE)
100 COMMUNICATIONS DRIVE
SUN PRAIRIE, WI 53590
(608) 837–1881
ROBERT.CHURCH@FTR.COM

STEVE STRUSS
VILLAGE OF CAMBRIDGE
(WATER)
200 SPRING ST
P.O. BOX 99
CAMBRIDGE, WI 53523–0099
(608) 423–3712
STRUSS@FRONTIER.COM

LA TROY BRUMFIELD
WE ENERGIES
(ELECTRICITY)
A299 – 333 W EVERETT ST
MILWAUKEE, WI 53203
(414) 221–5617
LATROY.BRUMFIELD@WE–ENERGIES.COM

LA TROY BRUMFIELD
WE ENERGIES
(GAS/PETROLEUM)
A299 – 333 W EVERETT ST
MILWAUKEE, WI 53203
(414) 221–5617
LATROY.BRUMFIELD@WE–ENERGIES.COM

ANDREW MICHELS
THOMPSON CORRECTIONAL CENTER
(SANITARY & WATER)
3099 E WASHINGTON AVE.
PO BOX 7991
MADISON, WI 53707
(608) 240–5364
ANDREW.MICHELS@WISCONSIN.GOV

CONVENTIONAL SYMBOLS AND ABBREVIATIONS

STATE, COUNTY, or TOWN IINE	
SECTION LINE	
QUARTER LINE	
SIXTEENTH LINE	
PROPOSED REFERENCE LINE	
PROPOSED R/W LINE	
EXISTING H.E. LINE	
PROPERTY LINE	
EASEMENT LINE	
CORPORATE LIMITS	
EXISTING CENTERLINE	
LOT & TIE LINES	
UTILITIES (TELEPHONE,GAS,ELECTRIC,CABLE TV,FIBER OPTIC)	FO (TYPE)
NO ACCESS (BY PREVIOUS ACQUISITION/CONTROL)	
NO ACCESS (BY ACQUISTION)	
NO ACCESS (BY STATUTORY AUTHORITY)	
FEE (HATCH VARIES)	
TEMPORARY LIMITED EASEMENT	
PERMANENT LIMITED EASEMENT	
PARCEL NUMBER	102
UTILITY PARCEL NUMBER	92
SIGN NUMBER (OFF PREMISE)	21–1
BUILDING	
FOUND IRON PIPE/PIN	I.P. (1" UNLESS NOTED)
R/W MONUMENT	●(SET)
R/W STANDARD	▲(SET)
SIGN	ISIGN
SECTION CORNER SYMBOL	

ACCESS POINT/ DRIVEWAY CONNECTION	AP
ACCESS RIGHTS	AR
ACRES	AC.
AND OTHERS	ET.AL.
CENTERLINE	C/L
CERTIFIED SURVEY MAP	CSM
DOCUMENT	DOC.
HIGHWAY EASEMENT	H.E.
LAND CONTRACT	LC
MONUMENT	MON.
PAGE	P.
PERMANENT LIMITED EASEMENT	PLE
PROPERTY LINE	PL
RECORDED AS	(100')
REFERENCE LINE	R/L
REMAINING	REM.
RIGHT–OF–WAY	R/W
SECTION	SEC.
SQUARE FEET	SQ.FT.
STATION	STA.
TEMPORARY LIMITED EASEMENT	TLE
VOLUME	V.

CURVE DATA

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

	NON COMPENSABLE	COMPENSABLE
POWER POLE		
TELEPHONE POLE		
TELEPHONE PEDESTAL		

GENERAL NOTES:

CROSS DRAIN PIPE ELEVATIONS, LENGTHS AND LOCATIONS AS SHOWN ON THE PLANS MAY BE ADJUSTED TO FIT EXISTING FIELD CONDITIONS AS DIRECTED BY THE ENGINEER.

ALL DISTURBED AREAS WITHIN THE SLOPE INTERCEPTS SHALL BE RESTORED WITH TOPSOIL, SEED, FERTILIZER AND MULCH AS SHOWN ON THE PLANS AND AS DIRECTED BY THE ENGINEER. ANY OTHER DISTURBED AREAS ARE TO BE SEEDED, FERTILIZED AND MULCHED AT THE CONTRACTORS EXPENSE.

THE EXACT LOCATION AND WIDTHS OF PRIVATE AND COMMERCIAL DRIVEWAYS ARE TO BE DETERMINED BY THE ENGINEER IN THE FIELD AND SHALL BE REPLACED IN KIND.

ALL DISTANCES ARE GROUND DISTANCES. TIES ARE HORIZONTAL UNLESS SHOWN OTHERWISE.

THE LOCATIONS OF EXISTING UTILITY FACILITIES AS SHOWN ON THE PLANS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY FACILITIES WITHIN THE PROJECT AREA THAT ARE NOT SHOWN. NOT ALL UTILITIES ARE MEMBERS OF DIGGERS HOTLINE.

ALL PRIVATE EXISTING UTILITIES ARE TO BE ADJUSTED BY THE UTILITIES CONCERNED.

TREES DESIGNATED FOR REMOVAL ARE SHOWN ON THE PLANS. NO TREES OR SHRUBS ARE TO BE REMOVED WITHOUT APPROVAL OF THE ENGINEER.

THE CONTROL SURVEY CONDUCTED FOR THIS PROJECT MET THIRD ORDER CONTROL SURVEY SPECIFICATIONS.

EXCAVATION BELOW SUBGRADE (EBS) LOCATIONS ARE NOT SHOWN ON THE CROSS SECTIONS. IF EBS IS DETERMINED NECESSARY BY THE ENGINEER IN THE FIELD IT SHALL BE MEASURED AND PAID FOR AS EXCAVATION COMMON. BACKFILL EBS AREAS WITH SELECT CRUSHED MATERIAL. LATERAL TRANSITIONS OUT OF EBS AREAS SHALL BE AT A 5:1 SLOPE.

EROSION CONTROL BMP'S ARE SHOWN ON THE EROSION CONTROL SHEETS AND IN THE SUMMARY OF MISCELLANEOUS QUANTITIES. BMP'S ARE AT SUGGESTED LOCATIONS. THE ACTUAL LOCATIONS WILL BE DETERMINED BY THE CONTRACTORS ECIP AND BY THE ENGINEER IN THE FIELD. EROSION CONTROL BMP'S SHALL BE MAINTAINED UNTIL PERMANENT VEGETATION IS ESTABLISHED OR UNTIL THE ENGINEER DETERMINES THAT THE BMP IS NO LONGER REQUIRED.

KEEP ALL EQUIPMENT AND MATERIALS OUT OF ADJACENT WETLANDS AND WATERWAYS. STORAGE OF ANY MATERIAL IN WETLANDS WILL NOT BE PERMITTED.

ALL CURB AND GUTTER RADII SHOWN ON THE PLANS ARE MEASURED TO THE FLANGE UNLESS OTHERWISE NOTED.

HMA PAVEMENT: THE UPPER LAYER SHALL BE 1.75–INCH FOR THE ENTIRE PROJECT AREA. THE LOWER LAYER SHALL BE 1.75–INCH FOR THE MILL AND OVERLAY AREAS AND 2.25–INCH FOR THE RECONSTRUCTION AREA.

HMA WEIGHT CALCULATIONS ARE BASED ON 112 LBS/SY/IN.

THE CONTRACTOR'S PAVING OPERATIONS SHALL BE CONSISTENT WITH THE PLAN TYPICAL SECTIONS AND CONSTRUCTED TO PREVENT HMA LONGITUDINAL JOINTS FROM BEING LOCATED WITHIN A DRIVING, TURNING, PASSING OR PARKING LANE.

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

ORDER OF DETAIL SHEETS

WISDOT PROJECT MANAGER CONTACT

LALITHA BALACHANDRAN, PE
WISDOT SW REGION
2101 WRIGHT STREET
MADISON, WI 53704
(608) 243–3382
LALITHA.BALACHANDRAN@DOT.WI.GOV

DNR CONTACT

ERIC HEGGELUND
3911 FISH HATCHERY ROAD
FITCHBURG, WI 53711
608–275–3301
ERIC.HEGGELUND@WISCONSIN.GOV

DESIGNER CONTACT

TIMOTHY MOYER, PE
DONOHUE & ASSOCIATES, INC
3311 WEEDEN CREEK ROAD
SHEBOYGAN, WI 53081
(920) 803–7380
TMOYER@DONOHUE–ASSOCIATES.COM

GPS MONUMENTS

NUMBER	N	E	ELEV	DESCRIPTION
1	493651.78	902044.64	923.06	DEERFIELD N GPS
2	485692.91	922165.56	929.83	LAKE MILLS W GPS
3	478195.08	886204.50	884.26	COTTAGE GROVE E GPS
4	470467.40	903265.46	876.92	DEERFIELD S GPS
5	471226.09	936211.63	855.32	LAKE MILLS S GPS
6	453510.28	910071.36	926.49	CAMBRIDGE GPS
7	458790.80	950207.09	895.06	OAKLAND E GPS
8	453911.04	930607.68	887.38	OAKLAND W GPS
9	438898.42	928372.64	864.60	OAKLAND S GPS
Watertown	519796.68	993852.43	822.03	

CONTROL SET WITH PROJECT

NUMBER	N	E	ELEV	DESCRIPTION
50	466786.11	921011.23	849.30	CP1
51	465879.45	921900.94	837.90	CP2
52	468057.66	920660.51	880.48	CP3
53	469100.88	920731.43	867.06	CP4
54	466465.38	920384.89	847.72	CP5
55	466159.03	919995.97	847.36	CP6
56	464436.06	917562.80	868.43	CP7
57	464394.70	916918.68	883.85	CP8
58	463587.63	917956.26	870.47	CP9
59	462794.29	917982.79	875.50	CP10
60	466392.79	920283.19	847.61	CP11

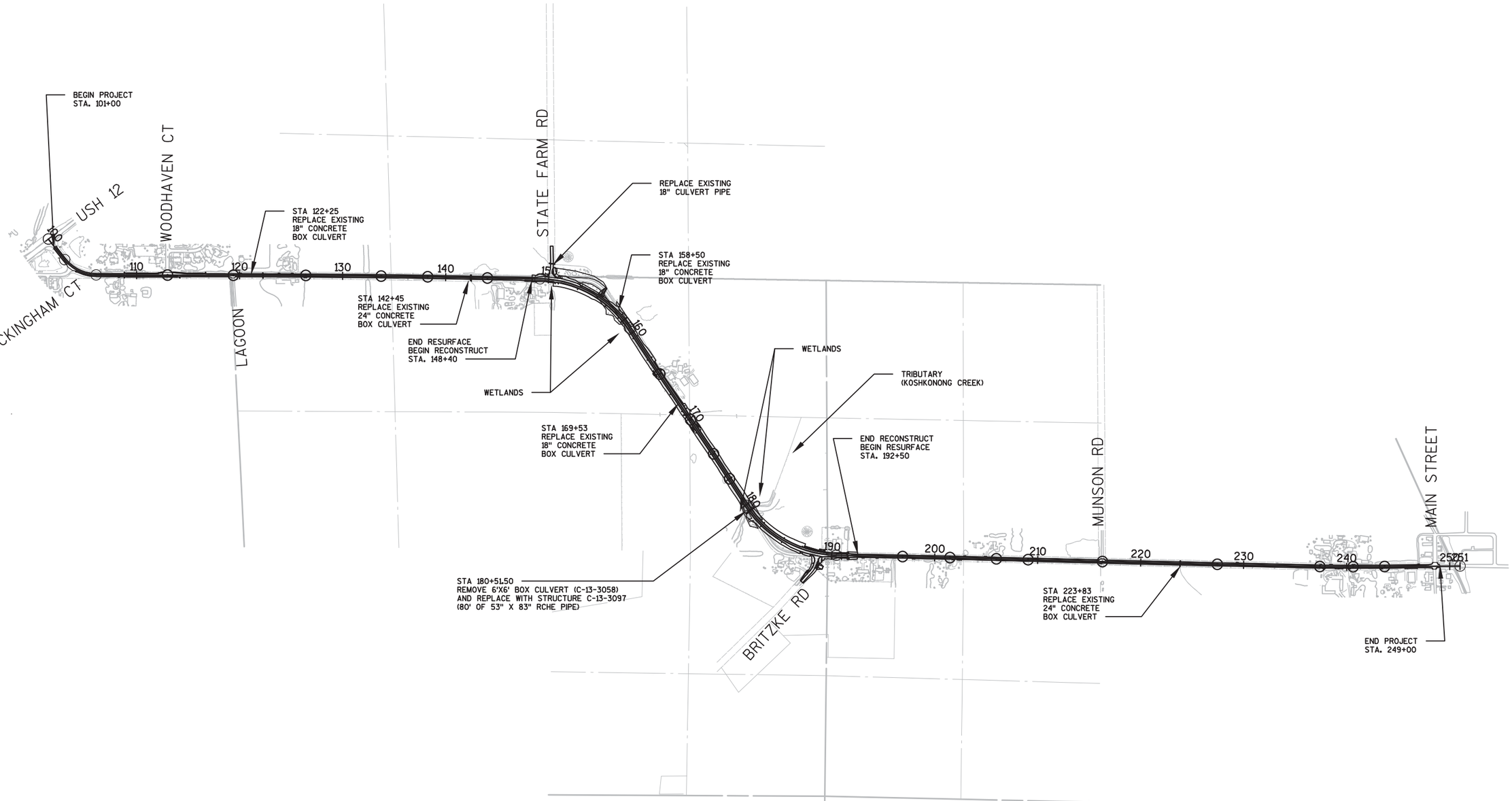
FOUND MONUMENTATION

NUMBER	N	E	ELEV	DESCRIPTION
4048	461435.52	920585.50	829.88	LIMESTONE MON 1
4049	461435.53	920585.47	829.86	LIMESTONE MON 1
4050	461436.02	920585.36	829.85	IPI2
4051	461485.65	920585.36	830.36	RBR.75
4055	461315.20	917916.61	887.09	IPI2
4056	461306.81	917952.99	888.92	RRS 2
4057	461179.52	915315.24	878.54	IPI1 W CAP 3
4058	461213.62	915315.04	878.00	IPI1
4061	461129.88	915287.59	878.60	IPI1 W CAP
4062	464399.92	915315.54	894.44	ALUM MON 4
4063	464378.58	915314.61	894.25	RBR.75 BENT
4064	464378.01	915257.30	894.69	IPI1 BENT
4065	464429.89	915249.92	893.66	IPI1 BENT
4066	464407.69	917924.70	865.89	IPI1 BENT
4067	464418.16	917959.83	867.31	ALUM MON BENT 5
4068	464420.84	918017.41	867.23	IPI1 BENT
4069	464436.81	920604.02	840.24	LIMESTONE MON 6
4070	464436.78	920603.97	840.46	LIMESTONE MON 6
4071	464436.73	920603.18	840.86	LIMESTONE MON 6
4072	467097.72	920667.86	864.48	BROKE OFF ALUM 7
4073	467076.43	920667.40	863.98	BROKE OFF ALUM
4075	469747.23	918045.74	870.58	BRASS MON 9
4076	469741.06	918078.90	869.23	RBR1.25
4077	469723.18	918021.00	870.89	RBR1.25
4078	469761.73	920726.70	864.87	BRASS MON 10
4079	469730.41	920760.12	864.01	IPI1
4080	469729.71	920695.59	863.57	IPI1
6310	459110.74	920522.30	836.19	MON BRASS CAP 2J01
6311	459049.28	920510.52	836.96	MON ALUM CAP

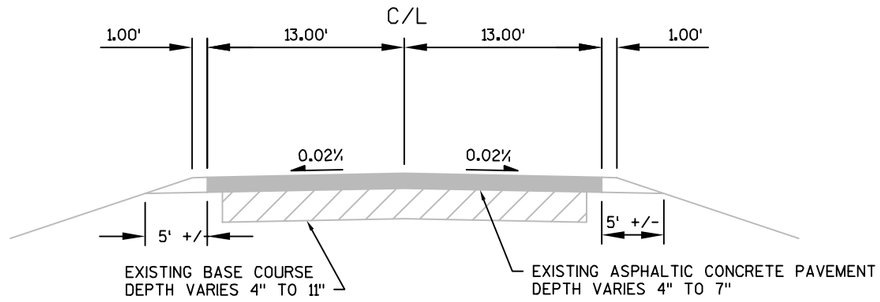
DIGGERS HOTLINE
Dial 811 or (800)242-8511
www.DiggersHotline.com

2

N

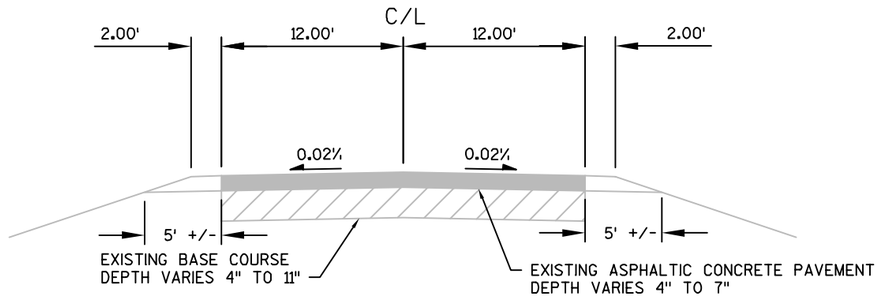


PROJECT NO: 3671-00-71	HWY: STH 134	COUNTY: DANE AND JEFFERSON	PROJECT OVERVIEW	SHEET 3	E



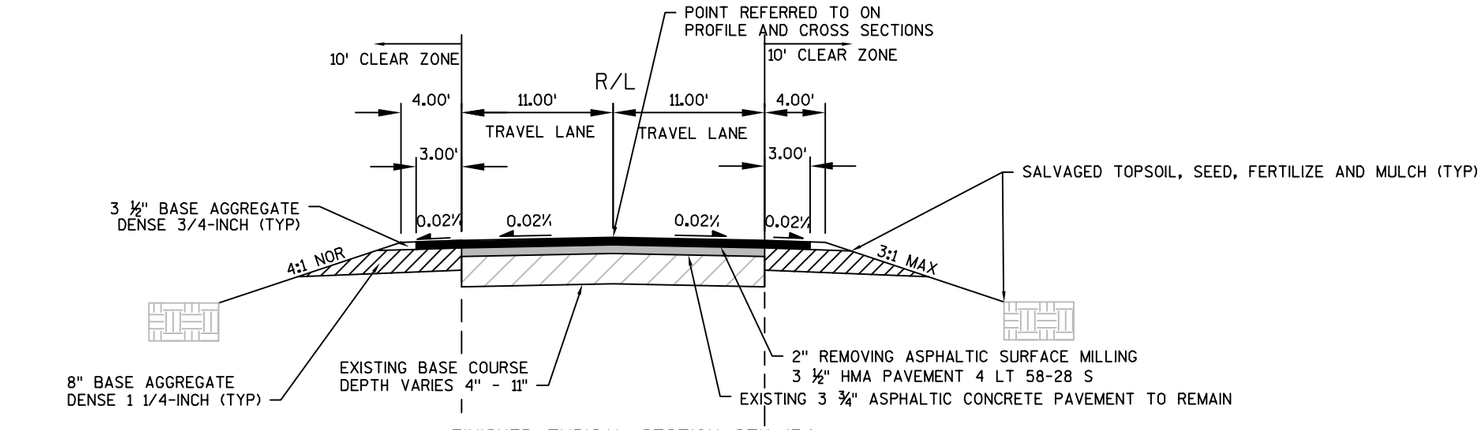
EXISTING TYPICAL SECTION STH 134

STA 100+50 TO STA 250+00



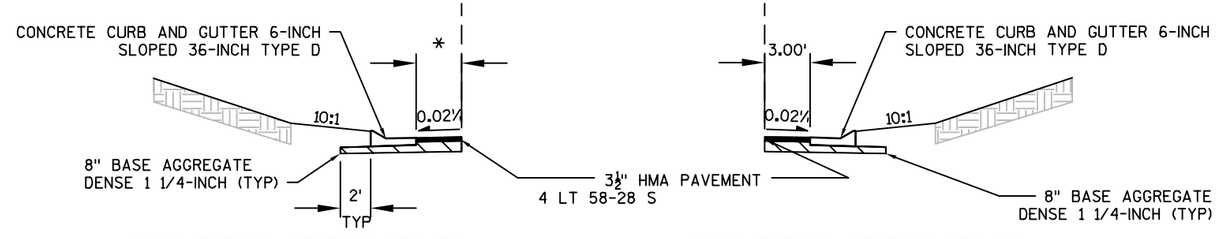
EXISTING TYPICAL SECTION SIDEROADS

STATE FARM ROAD
BRITZKE ROAD



FINISHED TYPICAL SECTION STH 134

STA 101+50 TO STA 148+40
STA 192+50 TO STA 249+00



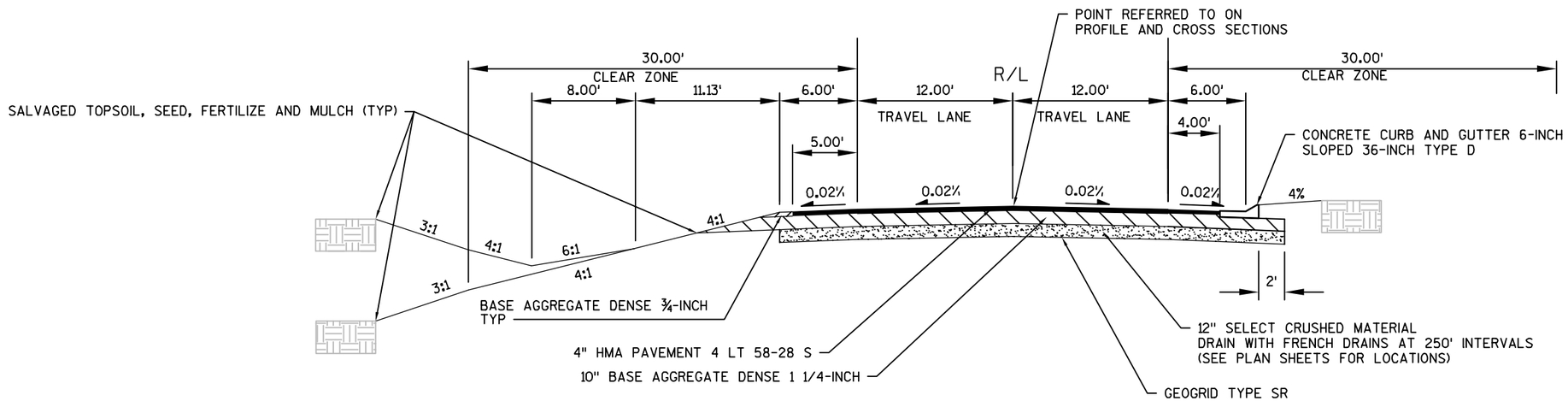
HALF TYPICAL SECTION STH 134

STA 109+00 - STA 116+50, LT

* VARIES 3' - 14' FROM
STA 112+00 - STA 116+50

HALF TYPICAL SECTION STH 134

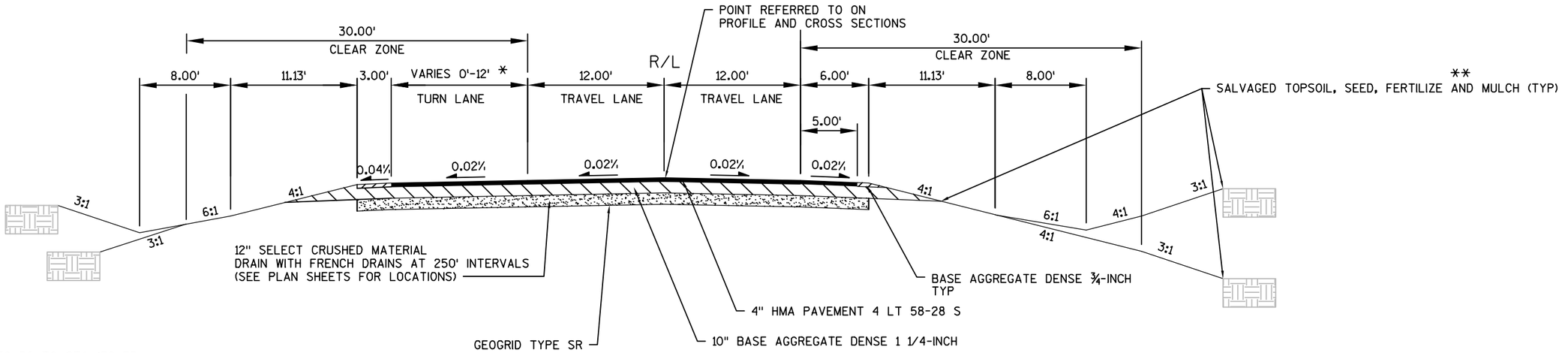
STA 109+00 - STA 114+00, RT
STA 147+65 - STA 148+40, RT



FINISHED TYPICAL SECTION STH 134

STA 148+40 TO STA 150+50

PROJECT NO:3671-00-71	HWY: STH 134	COUNTY:DANE & JEFFERSON	PLAN: TYPICAL SECTIONS	SHEET 5	E

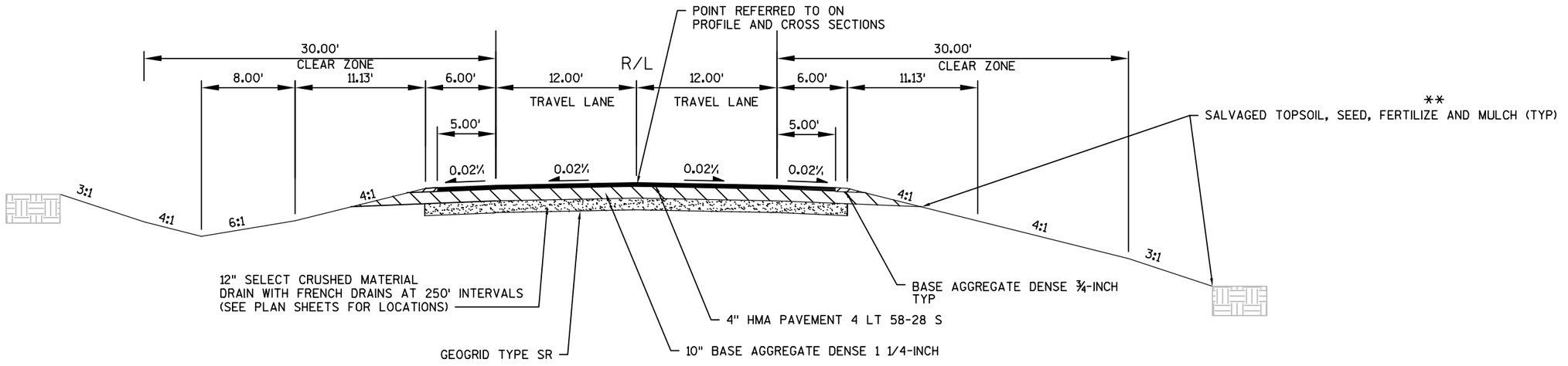


* TURN LANE
12' FROM STA 150+50 TO STA 152+75
TAPERS FROM 12' TO 0' FROM STA 152+75 TO STA 154+25

** MULCH
SEE EROSION CONTROL DETAILS FOR LOCATIONS FOR EMAT PLACEMENT INSTEAD OF MULCH.

FINISHED TYPICAL SECTION STH 134

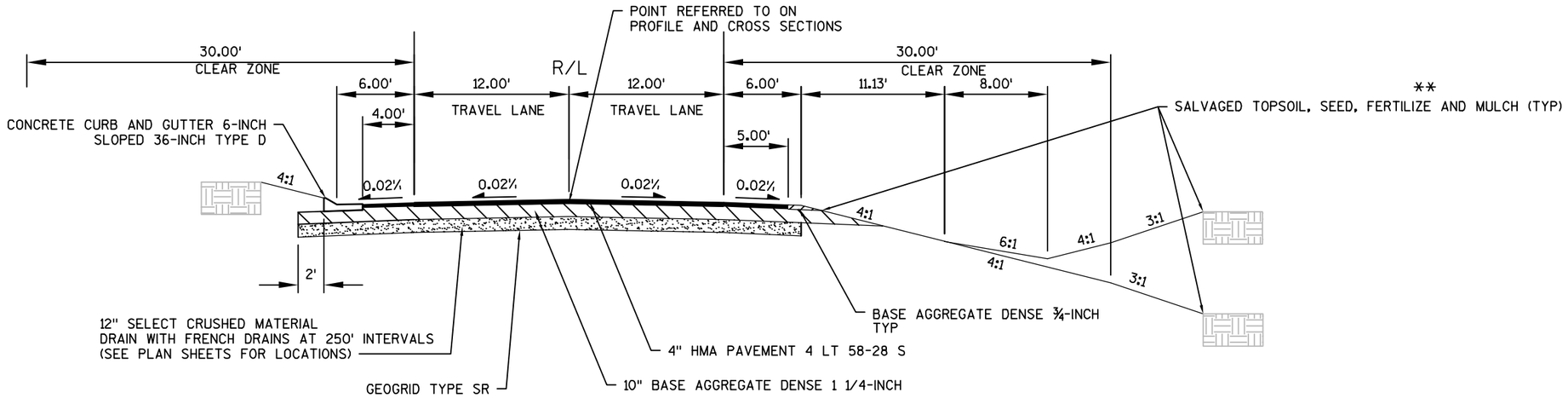
STA 150+50 TO STA 154+25



FINISHED TYPICAL SECTION STH 134

STA 154+25 TO STA 163+50
STA 168+50 TO STA 184+50
STA 191+50 TO STA 192+50

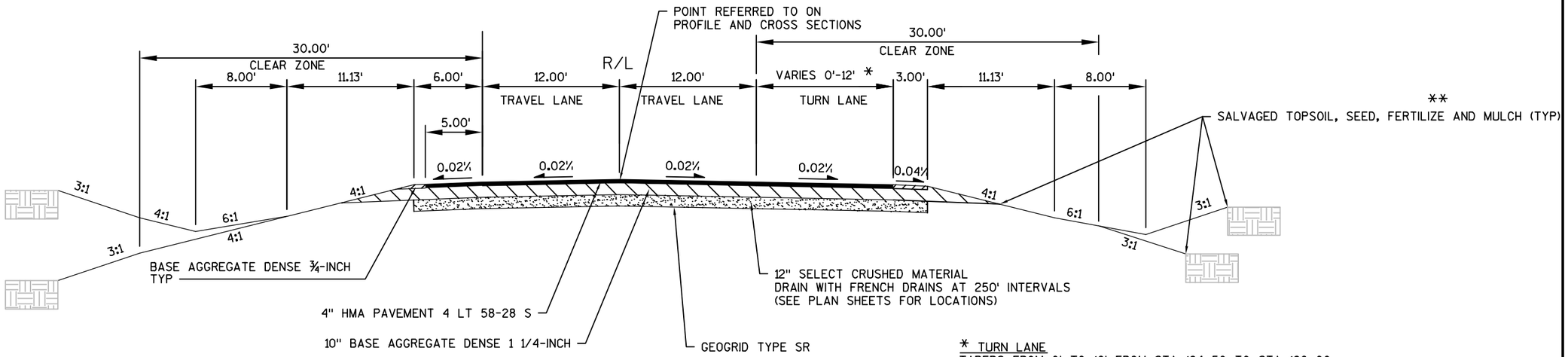
PROJECT NO:3671-00-71	HWY: STH 134	COUNTY:DANE & JEFFERSON	PLAN: TYPICAL SECTIONS	SHEET 6	E



FINISHED TYPICAL SECTION STH 134

STA 163+50 TO STA 168+50

** MULCH
SEE EROSION CONTROL DETAILS FOR LOCATIONS FOR EMAT PLACEMENT INSTEAD OF MULCH.

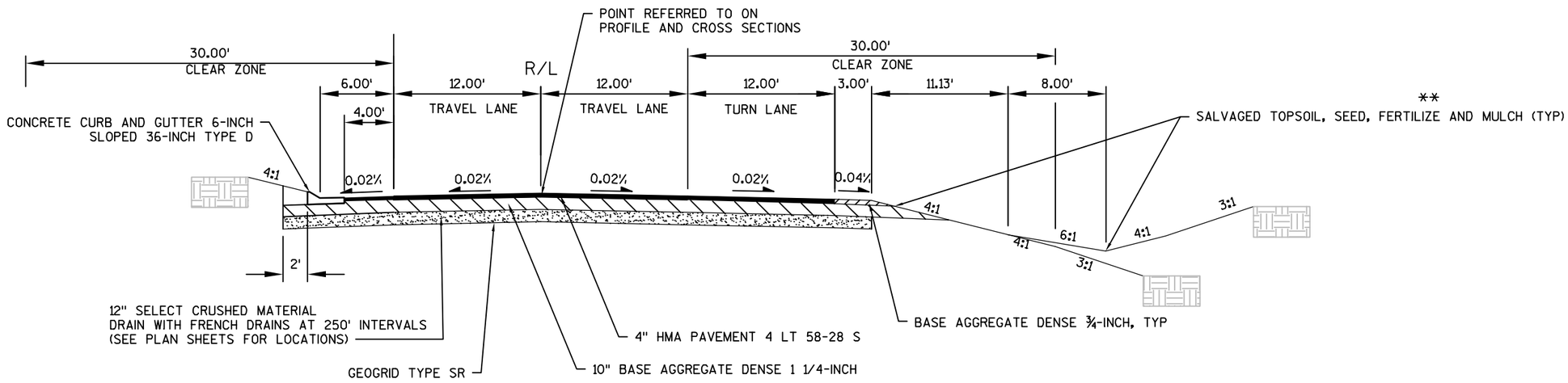


FINISHED TYPICAL SECTION STH 134

STA 184+50 TO STA 187+50

* TURN LANE
TAPERS FROM 0' TO 12' FROM STA 184+50 TO STA 186+00
12' FROM STA 186+00 TO 187+50

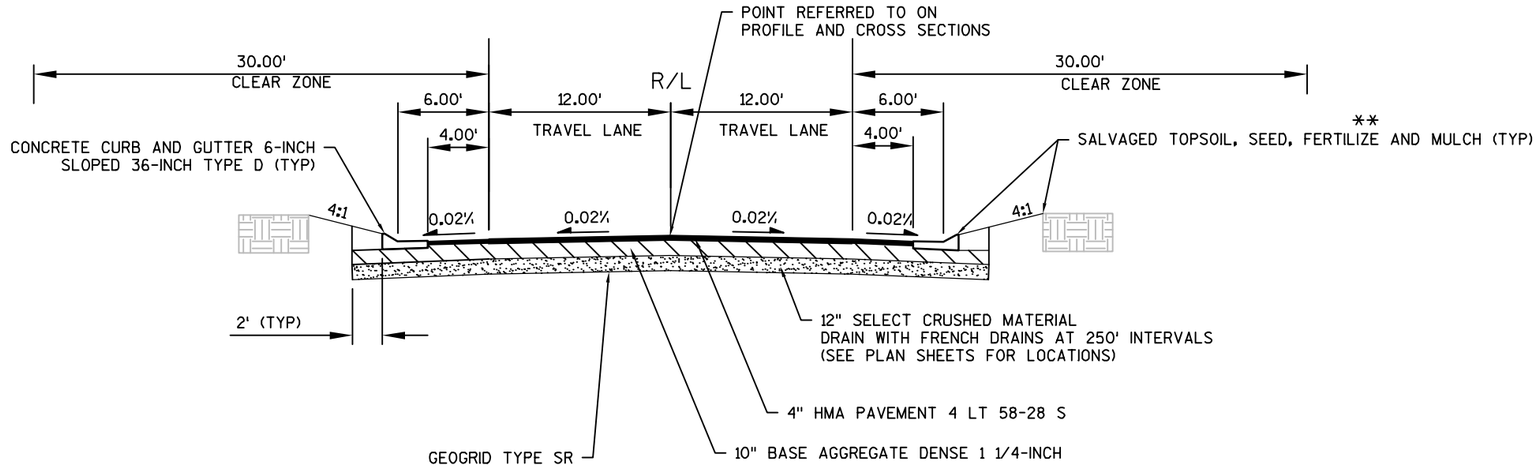
PROJECT NO: 3671-00-71	HWY: STH 134	COUNTY: DANE AND JEFFERSON	PLAN: TYPICAL SECTIONS	SHEET 7	E



FINISHED TYPICAL SECTION STH 134

STA 187+50 TO STA 189+75

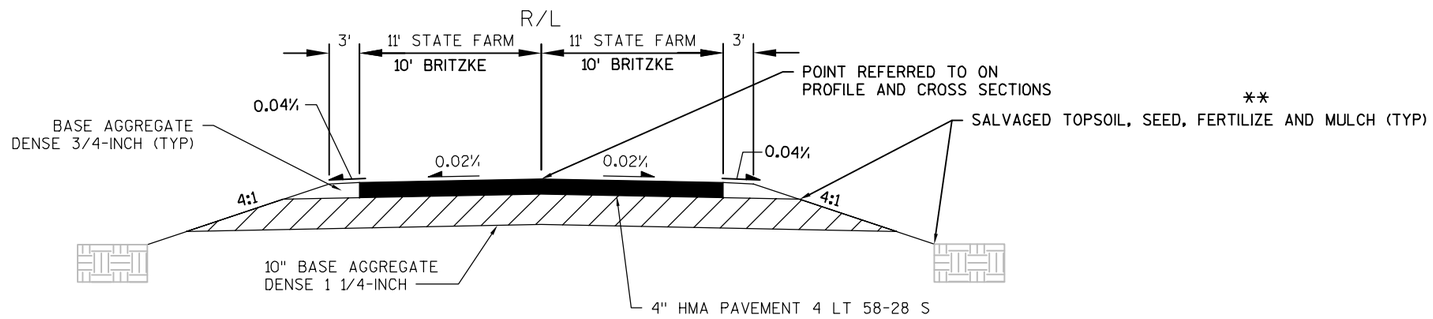
** MULCH
SEE EROSION CONTROL DETAILS FOR LOCATIONS FOR EMAT PLACEMENT INSTEAD OF MULCH.



FINISHED TYPICAL SECTION STH 134

STA 189+75 TO STA 191+50

PROJECT NO: 3671-00-71	HWY: STH 134	COUNTY: DANE AND JEFFERSON	PLAN: TYPICAL SECTIONS	SHEET 8	E

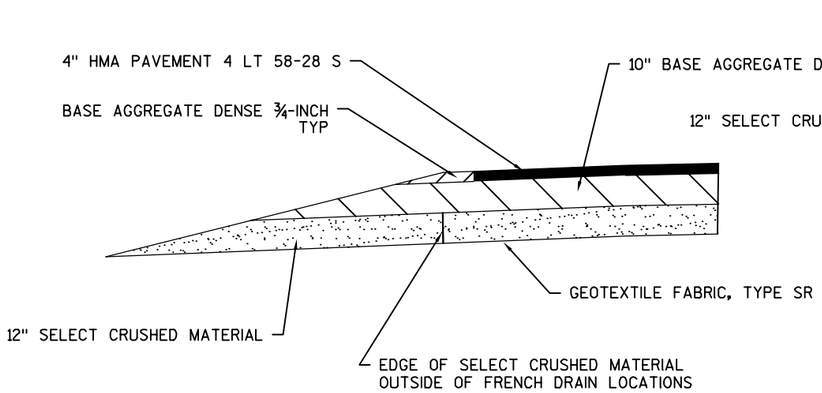


FINISHED TYPICAL SECTION SIDEROADS

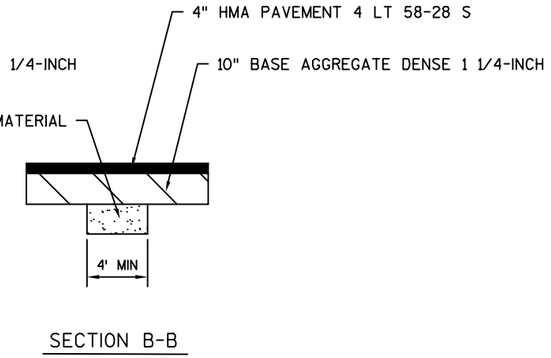
STATE FARM ROAD
BRITZKE ROAD

** MULCH
SEE EROSION CONTROL DETAILS FOR LOCATIONS FOR EMAT PLACEMENT INSTEAD OF MULCH.

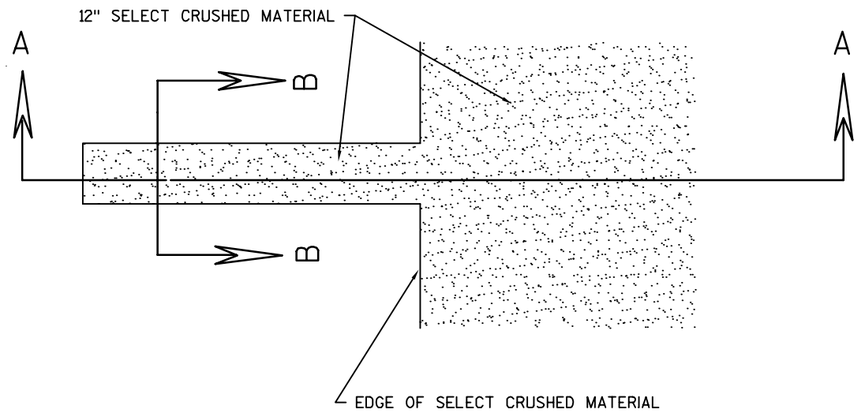
PROJECT NO:3671-00-71	HWY:STH 134	COUNTY:DANE AND JEFFERSON	PLAN: TYPICAL SECTIONS	SHEET 9	E



SECTION A-A



SECTION B-B

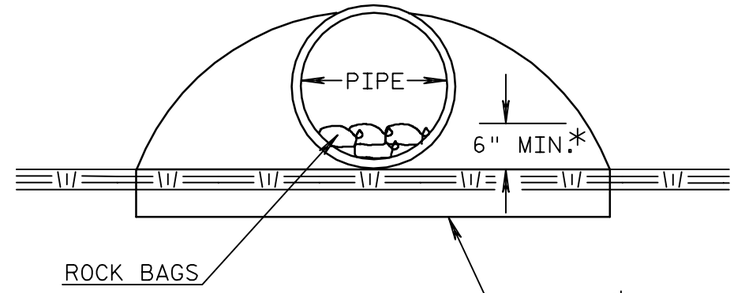


DETAIL FOR FRENCH DRAINS

DRAINS ARE TO BE CONSTRUCTED AT APPROXIMATELY 250' INTERVALS AND AT EACH SAG VERTICAL CURVE IN THE PROFILE.

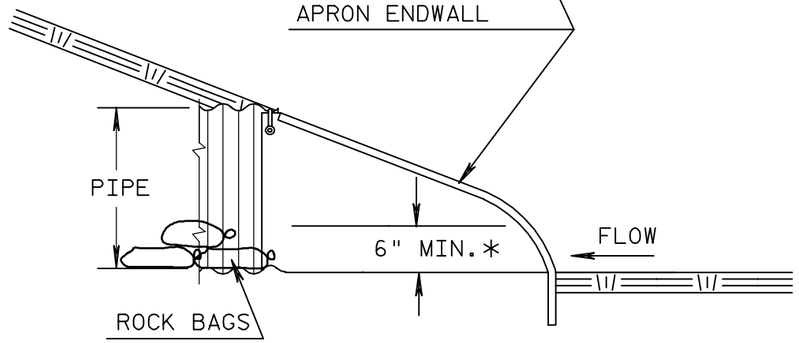
APPROXIMATE LOCATIONS ARE SHOWN ON THE PLAN AND PROFILE. EXACT LOCATIONS TO BE DETERMINED BY THE ENGINEER IN THE FIELD.

EXCAVATION REQUIRED TO CONSTRUCT FRENCH DRAINS SHALL BE CONSIDERED INCIDENTAL TO THE ITEM COMMON EXCAVATION.



END VIEW

* OR AS DIRECTED BY THE ENGINEER

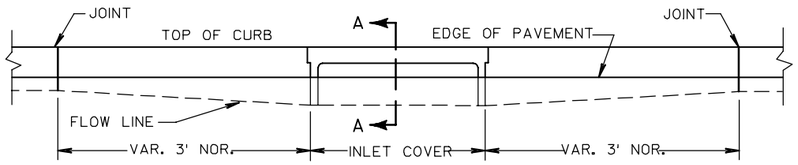


SIDE VIEW

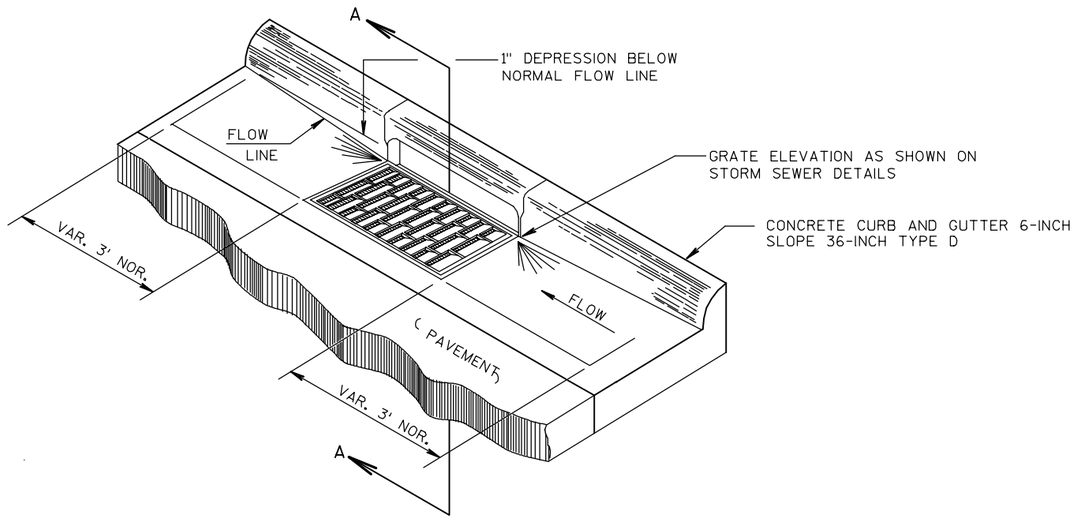
CULVERT PIPE CHECK

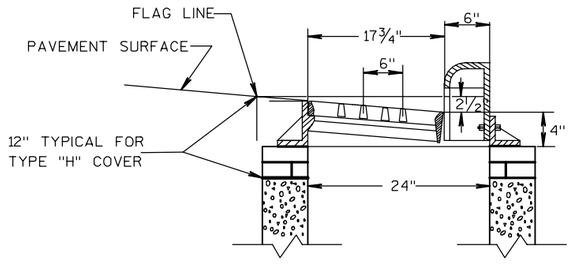
ESTIMATED BAG SIZE = 18" X 12" X 6"

PIPE SIZE	# ROCK BAGS
12"	1
15"	2
18"	2
21"	3
14"X23"	3
24"	3
27"	4
30"	5
19"X30"	5
36"	7
24"X38"	8
42"	8
29"X45"	10
48"	10
34'X53"	10
38'X60"	13
60"	13
66"	15
53"X83"	19



ELEVATION

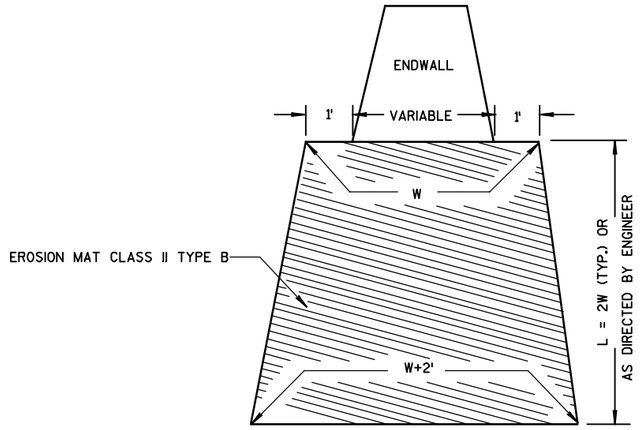




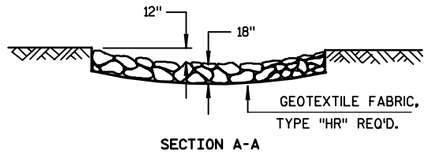
SECTION A-A

DETAIL OF CURB AND GUTTER AT INLETS

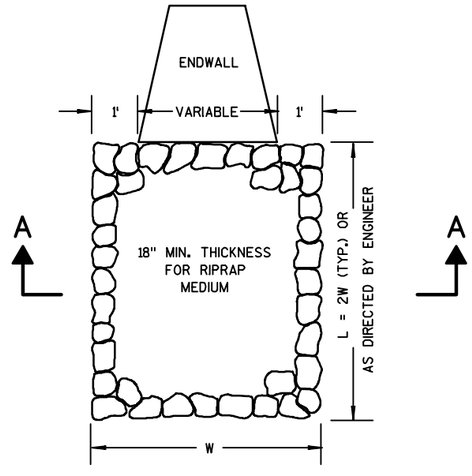
(TYPE 3-H INLET SHOWN)



EROSION MAT TREATMENT AT CULVERTS

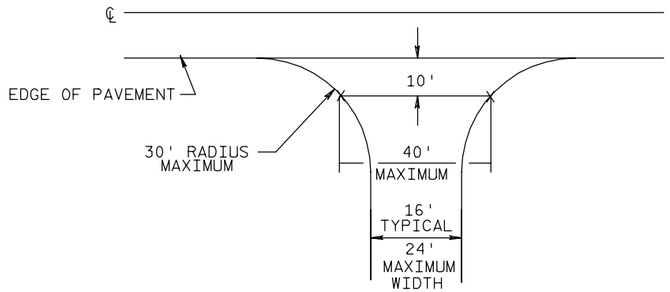


SECTION A-A



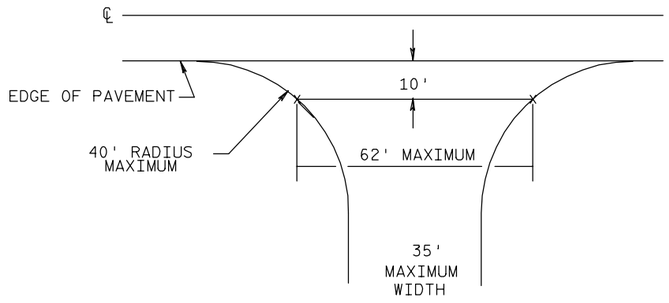
RIPRAP MEDIUM TREATMENT AT CULVERTS

PROJECT NO:3671-00-71	HWY: STH 134	COUNTY:DANE & JEFFERSON	CONSTRUCTION DETAILS	SHEET 11	E



TYPICAL DRIVEWAY DETAIL

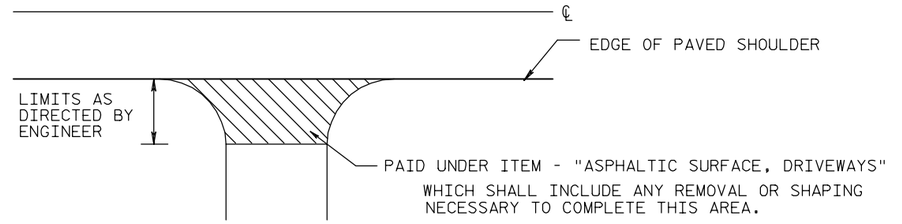
(NON-COMMERCIAL RURAL)



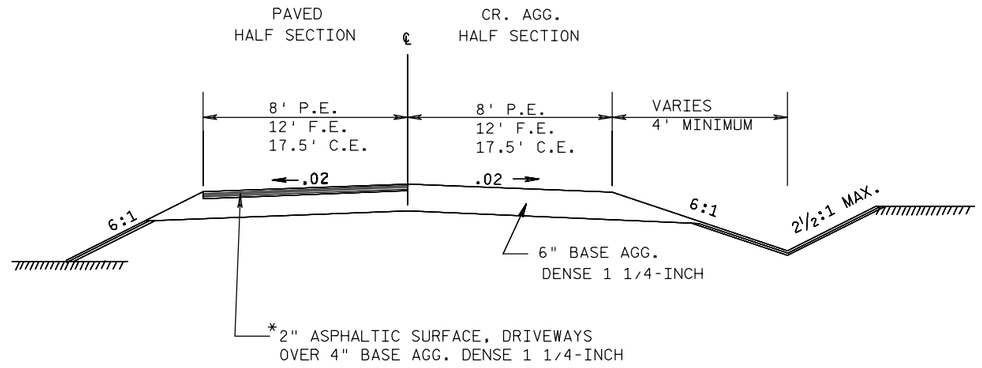
TYPICAL DRIVEWAY DETAIL

(COMMERCIAL RURAL)

RURAL DRIVEWAY DETAIL - ASPHALT



ANY ADDITIONAL BASE AGG. DENSE REQ'D. SHALL BE PAID
UNDER ITEM - "BASE AGGREGATE DENSE 1 1/4-INCH



*OR MATCH EXIST.
ASPH. DEPTH

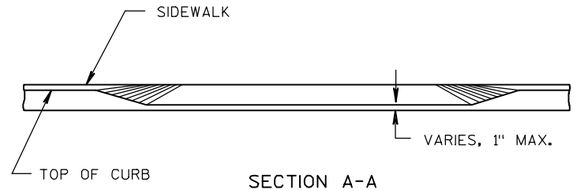
TYPICAL SECTION
FOR PRIVATE ENTRANCES

LOCATIONS

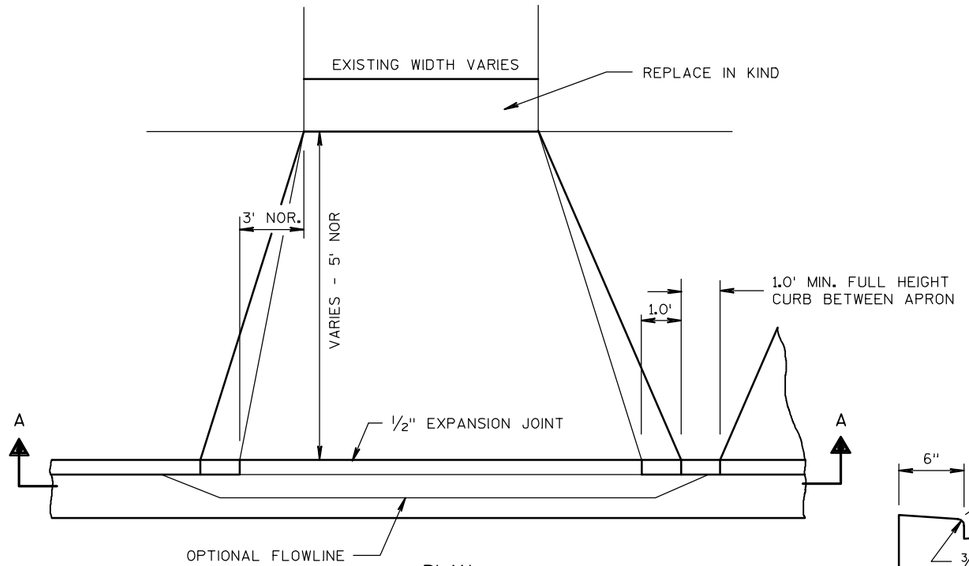
PAVED	CRUSHED AGGREGATE
189+20, LT	155+13, LT
191+85, LT	164+60, LT
71+00, LT	188+80, LT
72+14, RT	

NOTE:

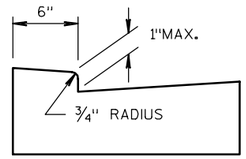
PAVE DRIVEWAYS WITH GRADES STEEPER THAN 8%.
PLACE LOW POINT OF DRIVEWAY PROFILE OVER DITCH FLOW LINE.



SECTION A-A

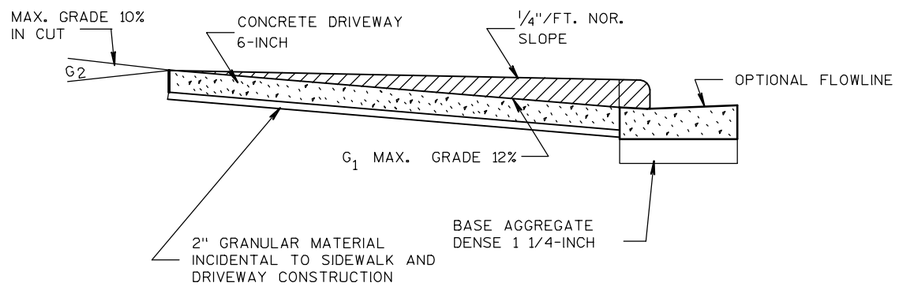


PLAN



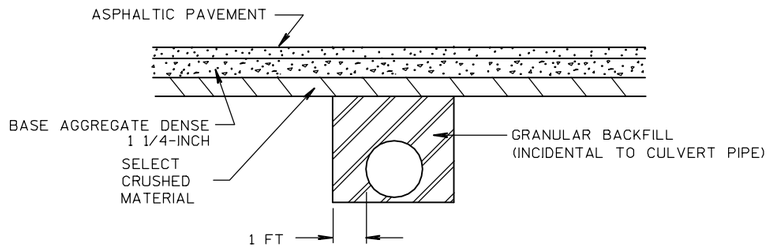
OPTIONAL METHOD
FOR
CONCRETE GUTTER

NOTE: ALGEBRAIC DIFFERENCE BETWEEN TANGENT GRADES G_1 & G_2 EXTENDED IN FILLS, MAX. 15%



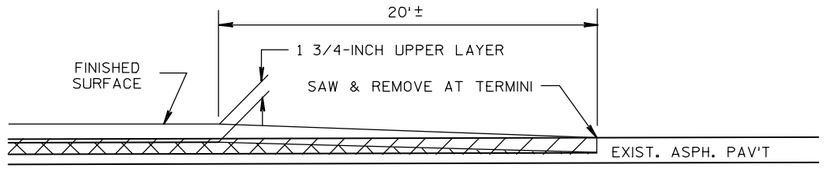
PROFILE

URBAN DRIVEWAY DETAIL



DETAIL FOR CULVERT PIPE INSTALLATION

STA. 122+25
STA. 142+45
STA. 158+50
STA. 223+83
STA. 64+21



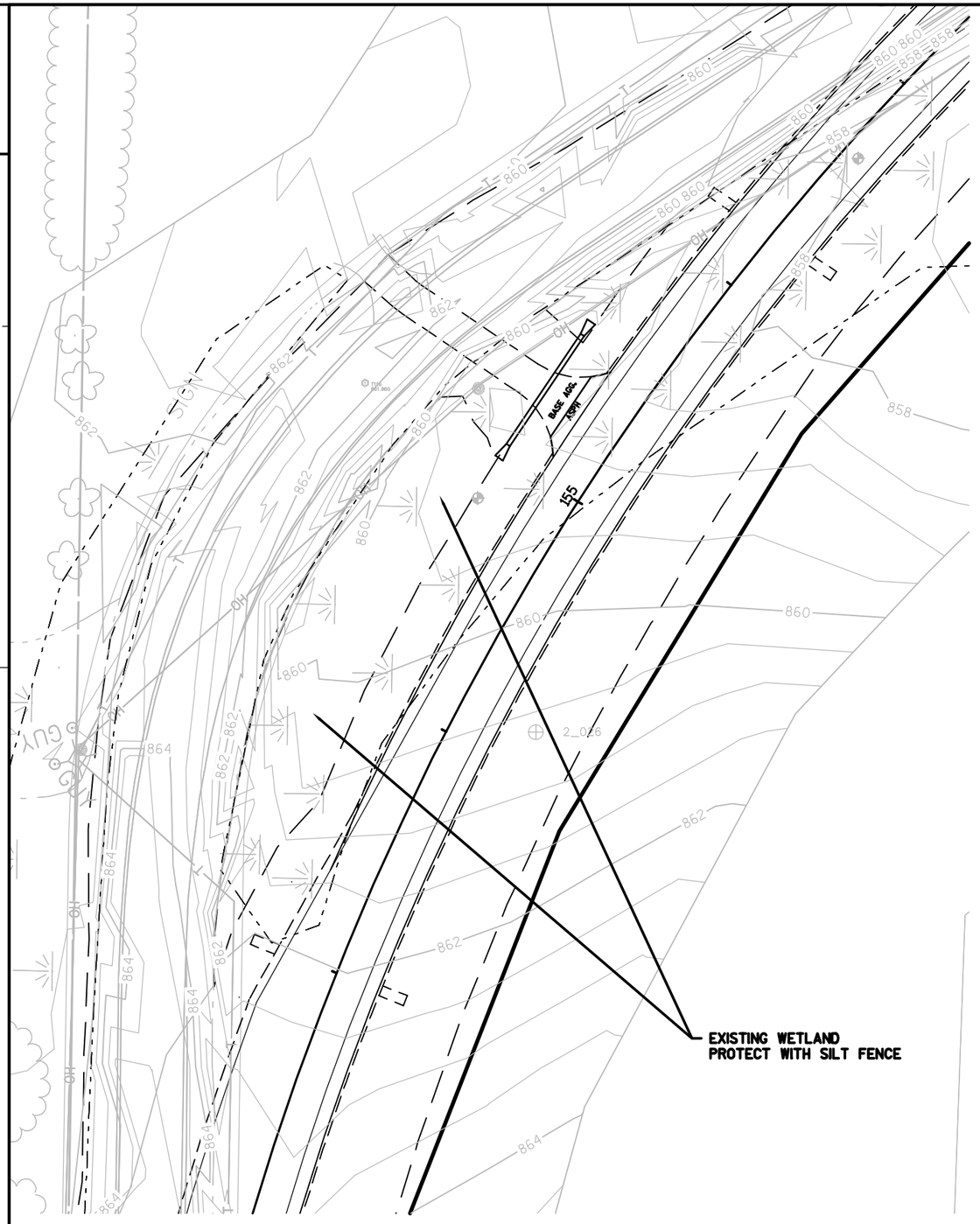
REMOVING ASPHALTIC SURFACE MILLING, 2-INCH

ASPHALTIC SURFACE LOWER LAYER, 1 3/4-INCH
(TAPER TO 0" AT BUTT JOINT)

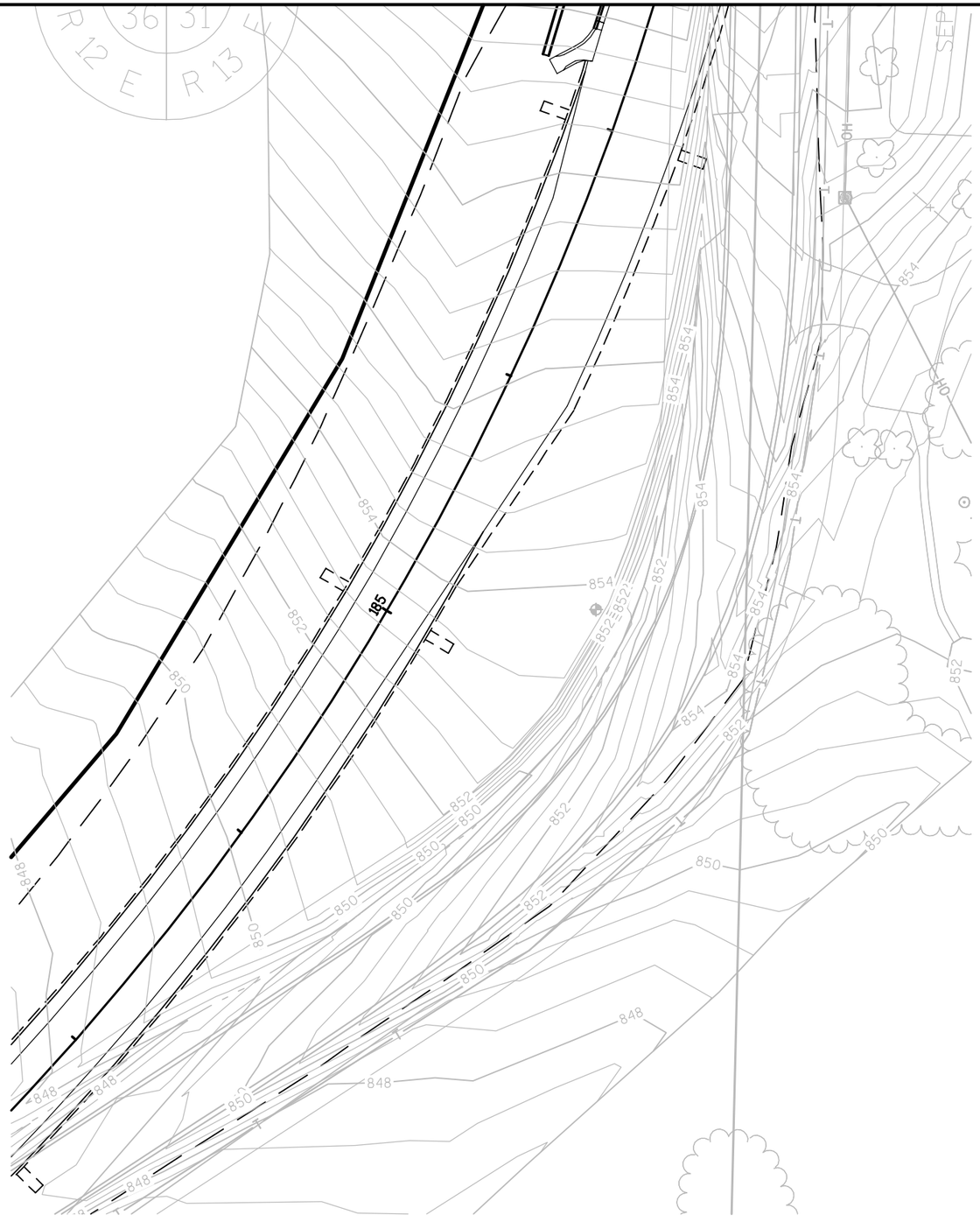
BUTT JOINT DETAIL

MAINLINE AND SIDEROADS

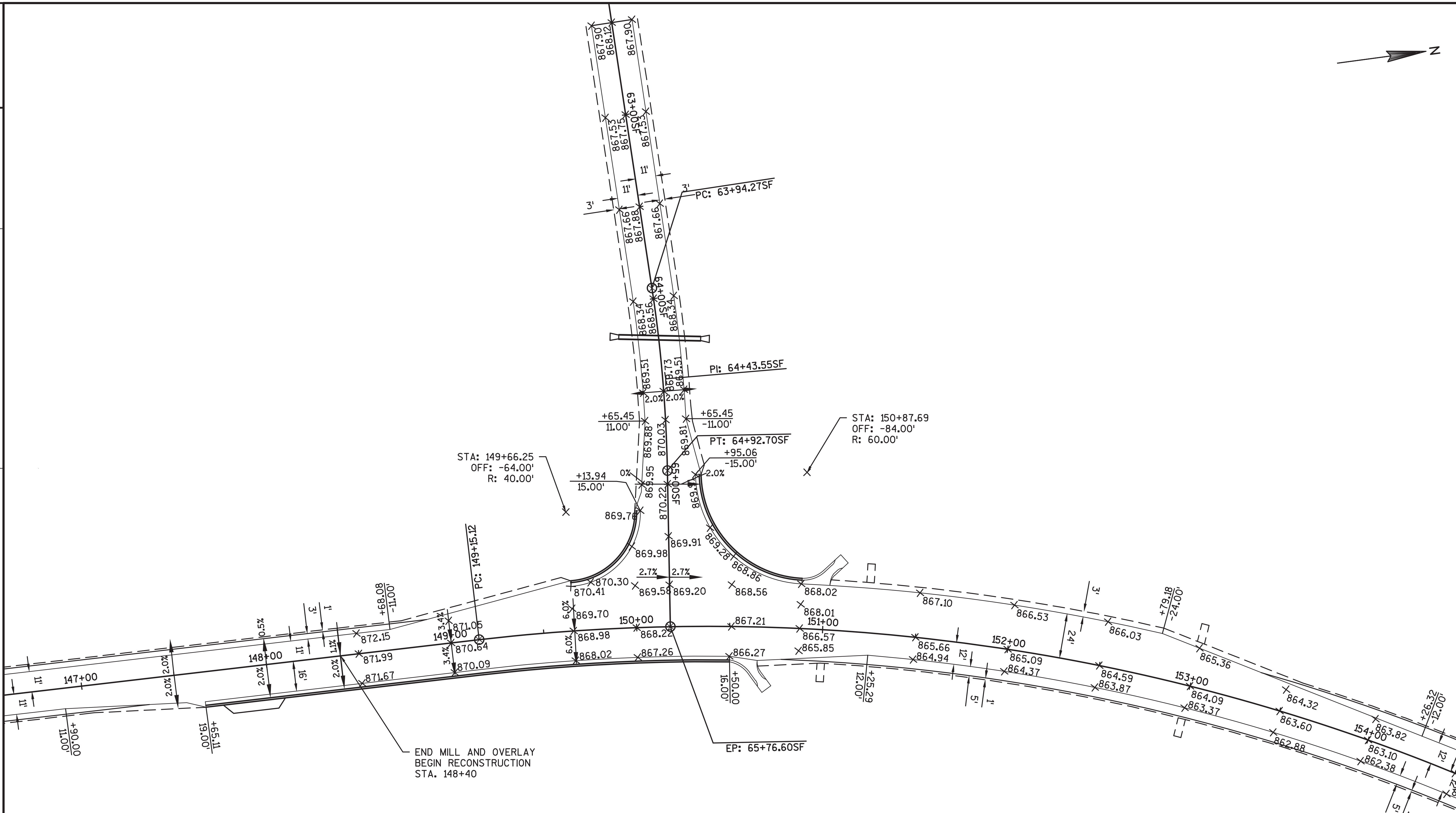
2



SOUTH CURVE ROADWAY OBLITERATION

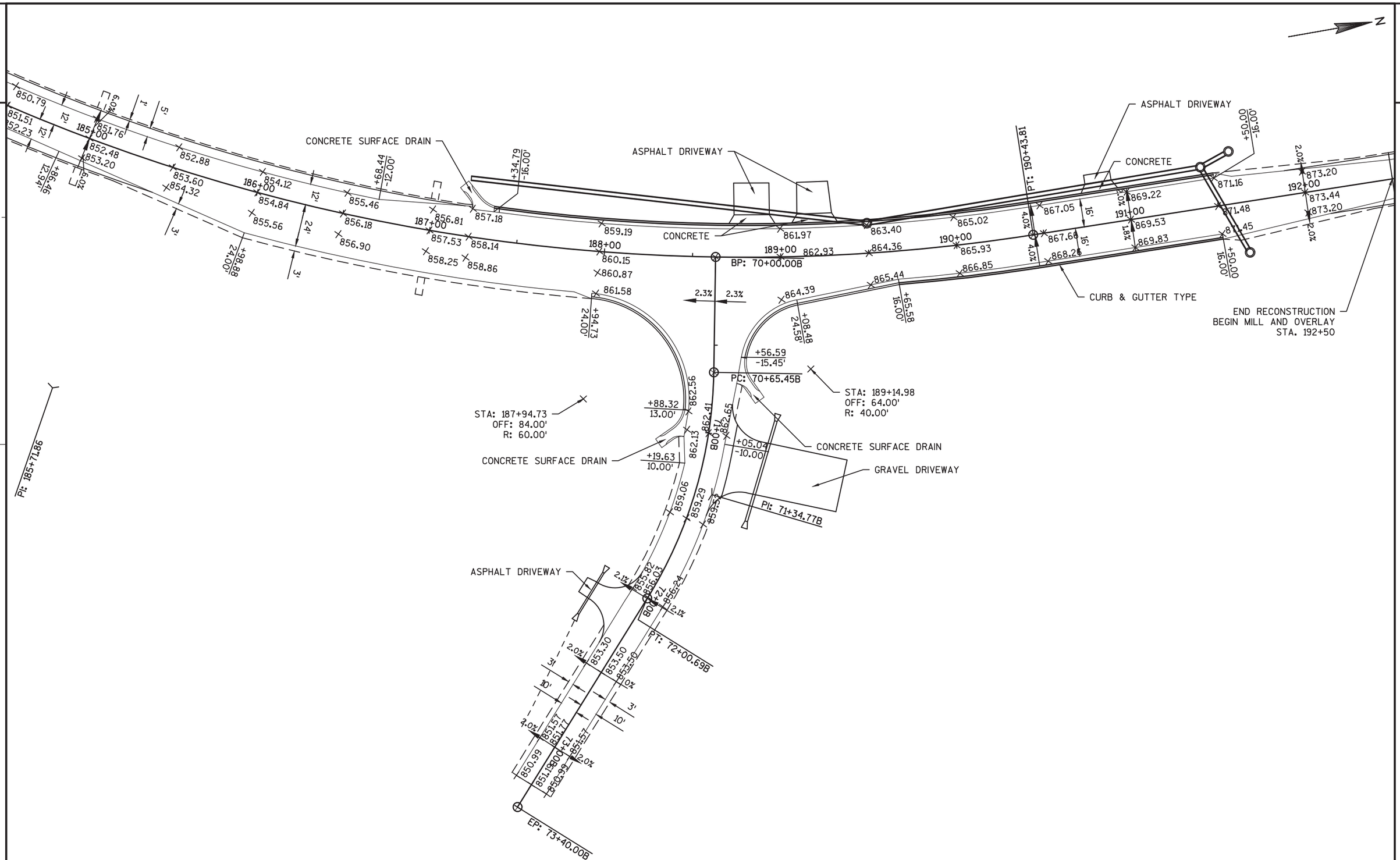


NORTH CURVE ROADWAY OBLITERATION



PROJECT NO:3671-00-71	HWY:STH 134	COUNTY:DANE AND JEFFERSON	INTERSECTION DETAIL - STATE FARM ROAD	SHEET 16	E

FILE NAME : L:\PROJECTS\12516\DWG\36710001\SHEETSPLAN\021201_PD.DWG PLOT DATE : 12/17/2015 1:19 PM PLOT BY : MOYER, TIM PLOT NAME : PLOT SCALE : 1" = 50'_XREF WISDOT/CADDS SHEET 42



PROJECT NO: 3671-00-71	HWY: STH 134	COUNTY: DANE AND JEFFERSON	INTERSECTION DETAIL - BRITZKE ROAD	SHEET 17	E

2

PROJECT NO:3617-00-71	HWY:STH 134	COUNTY:DANE & JEFFERSON	EROSION CONTROL	SHEET	E

FILE NAME : L:\PROJECTS\12516\DWG\36710001\SHEETSPLAN\022201_EC.DWG PLOT DATE : 10/31/2016 2:01 PM PLOT BY : MOYER, TIM PLOT NAME : PLOT SCALE : 1:100_XREF

WISDOT/CADDS SHEET 42

2

2

N

WATER TOWER

POOL

SEPTIC

W

T

116 118 120 122 124 126 128 130

STH 134

STH 134

STH 134

SIGN

LAGOON RD

RUINS

042

LEGEND

EROSION MAT CLASS II, TYPE B

SILT FENCE

EROSION BALE, BARRIER

RIP RAP

SLOPE INTERCEPT

INLET PROTECTION

TEMPORARY DITCH CHECK

CULVERT PIPE CHECK

SURFACE WATER FLOW

PROJECT NO:3617-00-71	HWY:STH 134	COUNTY:DANE & JEFFERSON	EROSION CONTROL	SHEET	E

FILE NAME : L:\PROJECTS\12516\DWG\36710001\SHEETSPLAN\022201_EC.DWG PLOT DATE : 10/31/2016 2:01 PM PLOT BY : MOYER, TIM PLOT NAME : PLOT SCALE : 1:100_XREF

WISDOT/CADDS SHEET 42

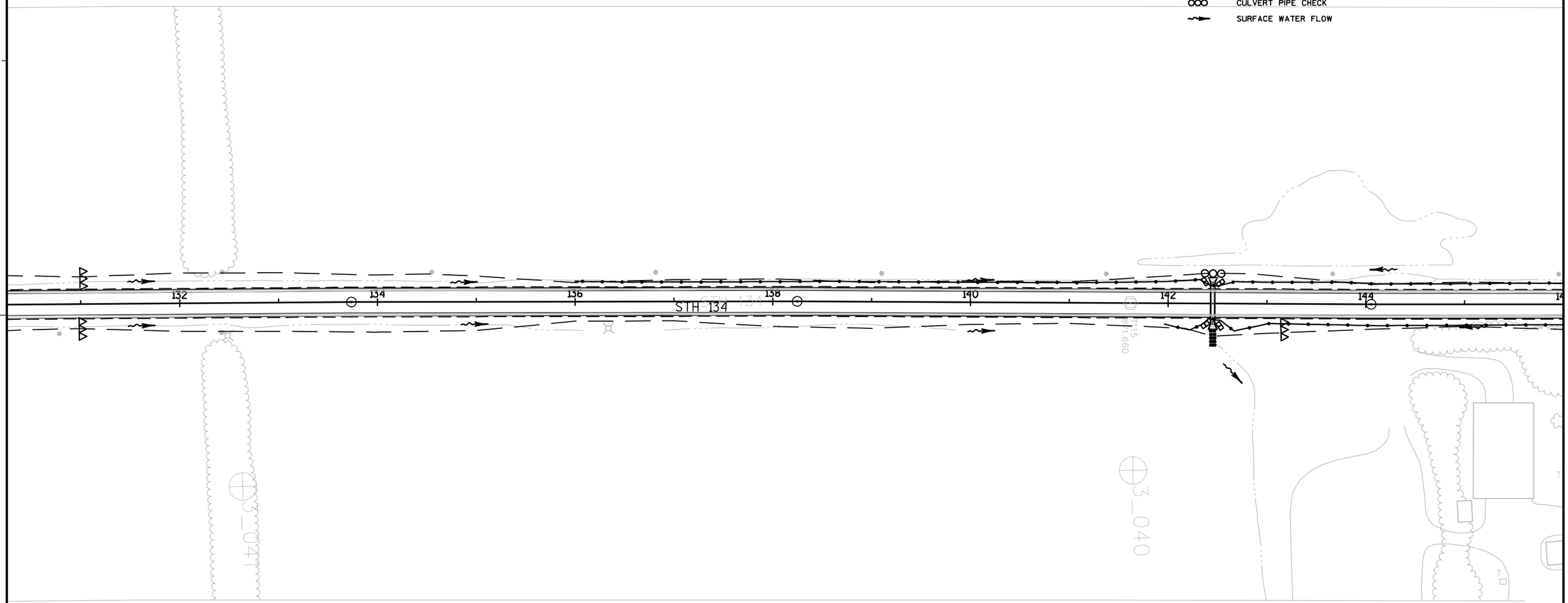
2

2

LEGEND

- EROSION MAT CLASS II, TYPE B
- SILT FENCE
- EROSION BALE, BARRIER
- RIP RAP
- SLOPE INTERCEPT
- INLET PROTECTION
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- SURFACE WATER FLOW

N



PROJECT NO:3617-00-71	HWY:STH 134	COUNTY:DANE & JEFFERSON	EROSION CONTROL	SHEET	E

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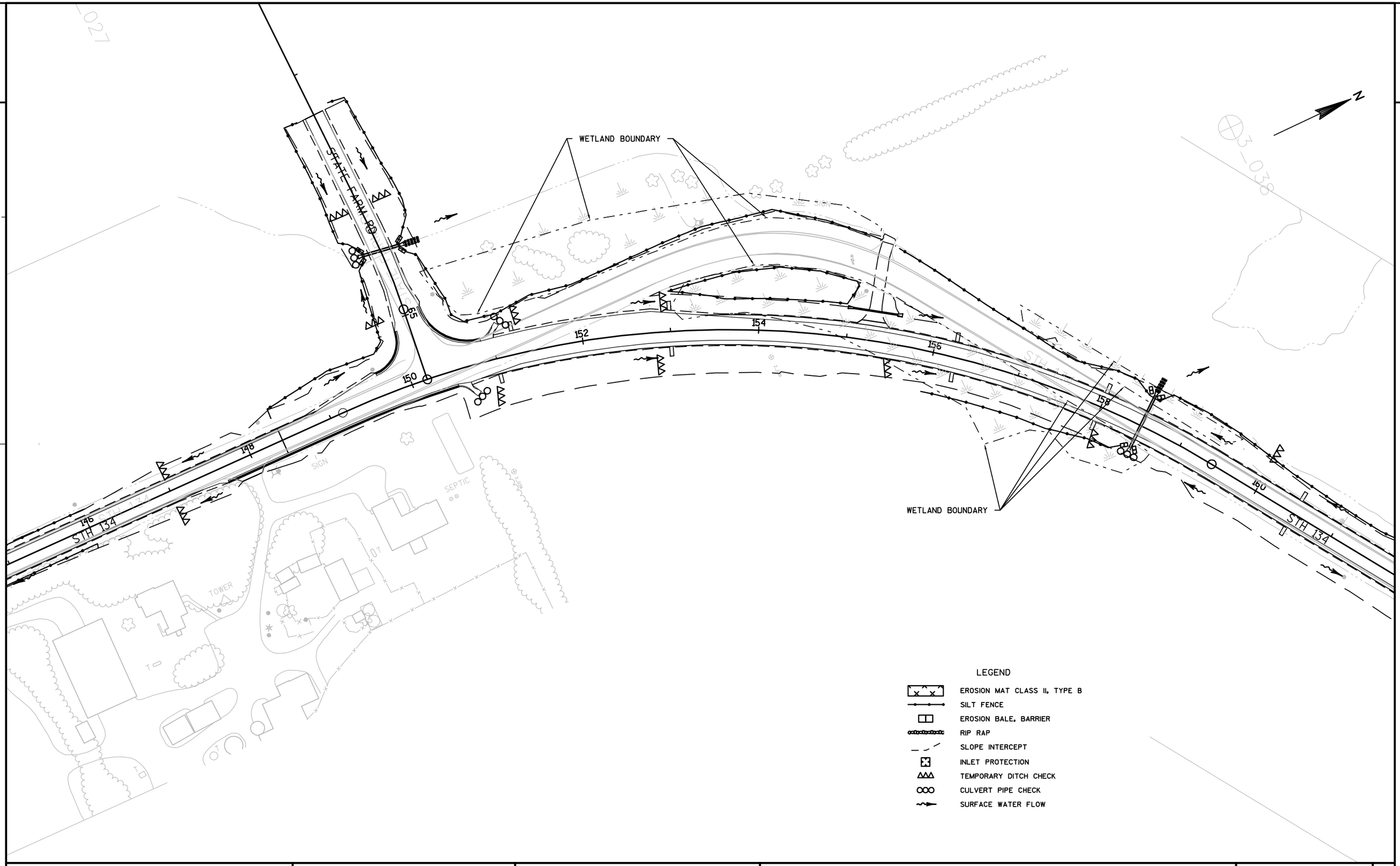
WISDOT/CADDS SHEET 42

2



LEGEND

- EROSION MAT CLASS II, TYPE B
- SILT FENCE
- EROSION BALE, BARRIER
- RIP RAP
- SLOPE INTERCEPT
- INLET PROTECTION
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- SURFACE WATER FLOW

PROJECT NO: 3617-00-71	HWY: STH 134	COUNTY: DANE & JEFFERSON	EROSION CONTROL	SHEET 21	E

FILE NAME : L:\PROJECTS\12516\DWG\36710001\SHEETSPLAN\022201_EC.DWG PLOT DATE : 10/31/2016 2:01 PM PLOT BY : MOYER, TIM PLOT NAME : PLOT SCALE : 1:100_XREF

2

2

N

162 164 STH 134 166 168 STH 134 170 172 174 176

SEPTIC SEPV SEPV

LEGEND

- EROSION MAT CLASS II, TYPE B
- SILT FENCE
- EROSION BALE, BARRIER
- RIP RAP
- SLOPE INTERCEPT
- INLET PROTECTION
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- SURFACE WATER FLOW

PROJECT NO:3617-00-71	HWY:STH 134	COUNTY:DANE & JEFFERSON	EROSION CONTROL	SHEET 22	E

FILE NAME : L:\PROJECTS\12516\DWG\36710001\SHEETSPLAN\022201_EC.DWG PLOT DATE : 10/31/2016 2:01 PM PLOT BY : MOYER, TIM PLOT NAME : PLOT SCALE : 1:100_XREF

2

2

LEGEND

- EROSION MAT CLASS II, TYPE B
- SILT FENCE
- EROSION BALE, BARRIER
- RIP RAP
- SLOPE INTERCEPT
- INLET PROTECTION
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- SURFACE WATER FLOW

WETLAND BOUNDARY

PROTECT EXISTING CULVERT CROSSING WITH SILT FENCE DURING INSTALLATION OF NEW CULVERT.

TYPE A

TYPE A & C

STH 134

BRITZKE RD

SEPTIC

176 178 180 182 184 186 188 190 192

PROJECT NO:3617-00-71	HWY:STH 134	COUNTY:DANE & JEFFERSON	EROSION CONTROL	SHEET 23	E

2

N

192 194 196 198 200 202 204 206

STH 134

STH 134

STH 134

RUINS

SEPTIC

SEPTIC

SEPTIC

SEPTIC

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TO

TO

017

RUINS

LEGEND

- EROSION MAT CLASS II, TYPE B
- SILT FENCE
- EROSION BALE, BARRIER
- RIP RAP
- SLOPE INTERCEPT
- INLET PROTECTION
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- SURFACE WATER FLOW

PROJECT NO:3617-00-71	HWY:STH 134	COUNTY:DANE & JEFFERSON	EROSION CONTROL	SHEET	E

FILE NAME : L:\PROJECTS\12516\DWG\36710001\SHEETSPLAN\022201_EC.DWG PLOT DATE : 10/31/2016 2:01 PM PLOT BY : MOYER, TIM PLOT NAME : PLOT SCALE : 1:100_XREF

2

2

N

MUNSON RD

208 210 212 STH 134 214 216 218 220 222

STH 134

SIGN

1_016

1_015

LEGEND

- EROSION MAT CLASS II, TYPE B
- SILT FENCE
- EROSION BALE, BARRIER
- RIP RAP
- SLOPE INTERCEPT
- INLET PROTECTION
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- SURFACE WATER FLOW

PROJECT NO:3617-00-71	HWY:STH 134	COUNTY:DANE & JEFFERSON	EROSION CONTROL	SHEET 25	E

FILE NAME : L:\PROJECTS\12516\DWG\36710001\SHEETSPLAN\022201_EC.DWG PLOT DATE : 10/31/2016 2:02 PM PLOT BY : MOYER, TIM PLOT NAME : PLOT SCALE : 1:100_XREF

LEGEND

☒	EROSION MAT CLASS II, TYPE B
•—•—•	SILT FENCE
◫	EROSION BALE, BARRIER
∞∞∞	RIP RAP
_ _ /	SLOPE INTERCEPT
⊠	INLET PROTECTION
ΔΔΔ	TEMPORARY DITCH CHECK
○○○	CULVERT PIPE CHECK
~→	SURFACE WATER FLOW

237+25.00

PROJECT NO:3617-00-71	HWY:STH 134	COUNTY:DANE & JEFFERSON	EROSION CONTROL	SHEET 26	E

FILE NAME : L:\PROJECTS\12516\DWG\36710001\SHEETSPLAN\022201_EC.DWG PLOT DATE : 10/31/2016 2:02 PM PLOT BY : MOYER, TIM PLOT NAME : PLOT SCALE : 1:100_XREF

WISDOT/CADDS SHEET 42

2

2

N

MAIN ST

STH 134

238 240 242 244 246 248 250

ANT ANT ANT SEPC SEPC SEPC SEPC SEPC SEPC SEPC SEPC SEPTIC SEPTIC RUINS W T T

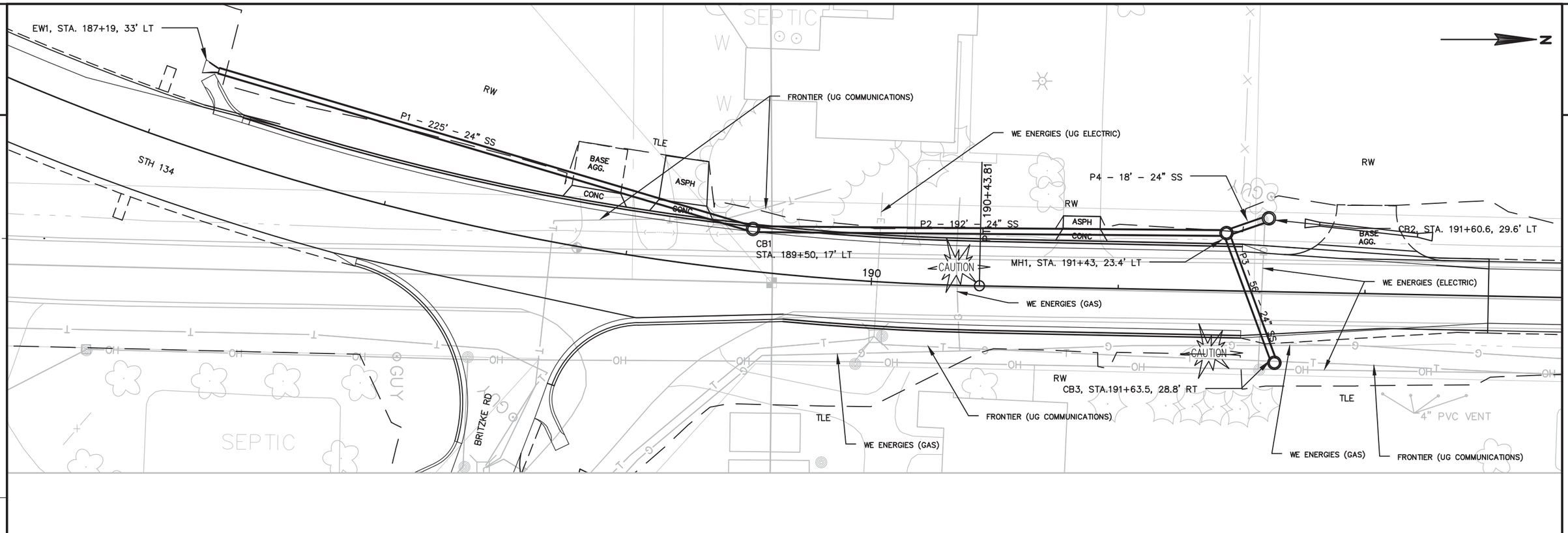
237+25.00

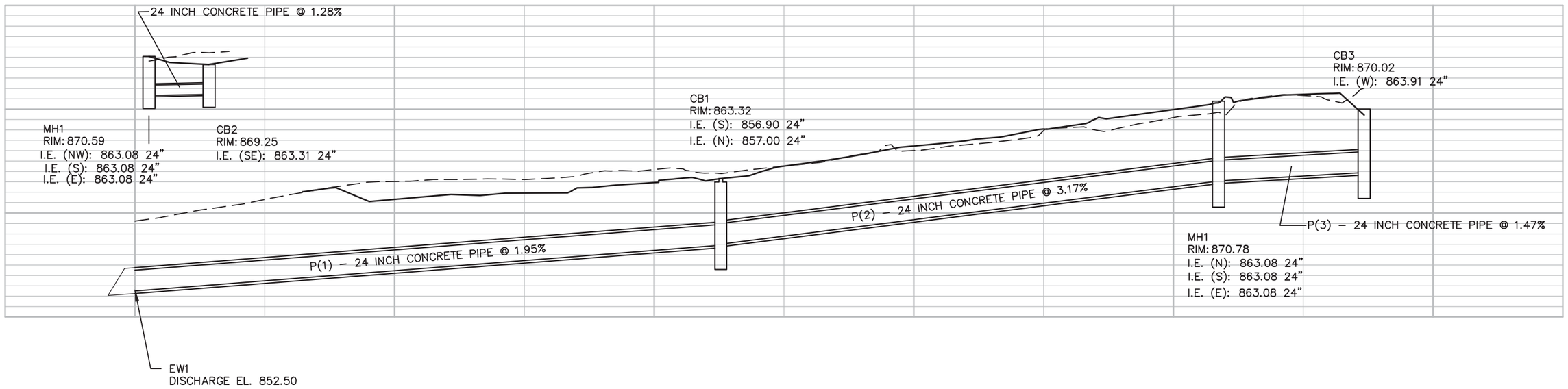
LEGEND

- EROSION MAT CLASS II, TYPE B
- SILT FENCE
- EROSION BALE, BARRIER
- RIP RAP
- SLOPE INTERCEPT
- INLET PROTECTION
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- SURFACE WATER FLOW

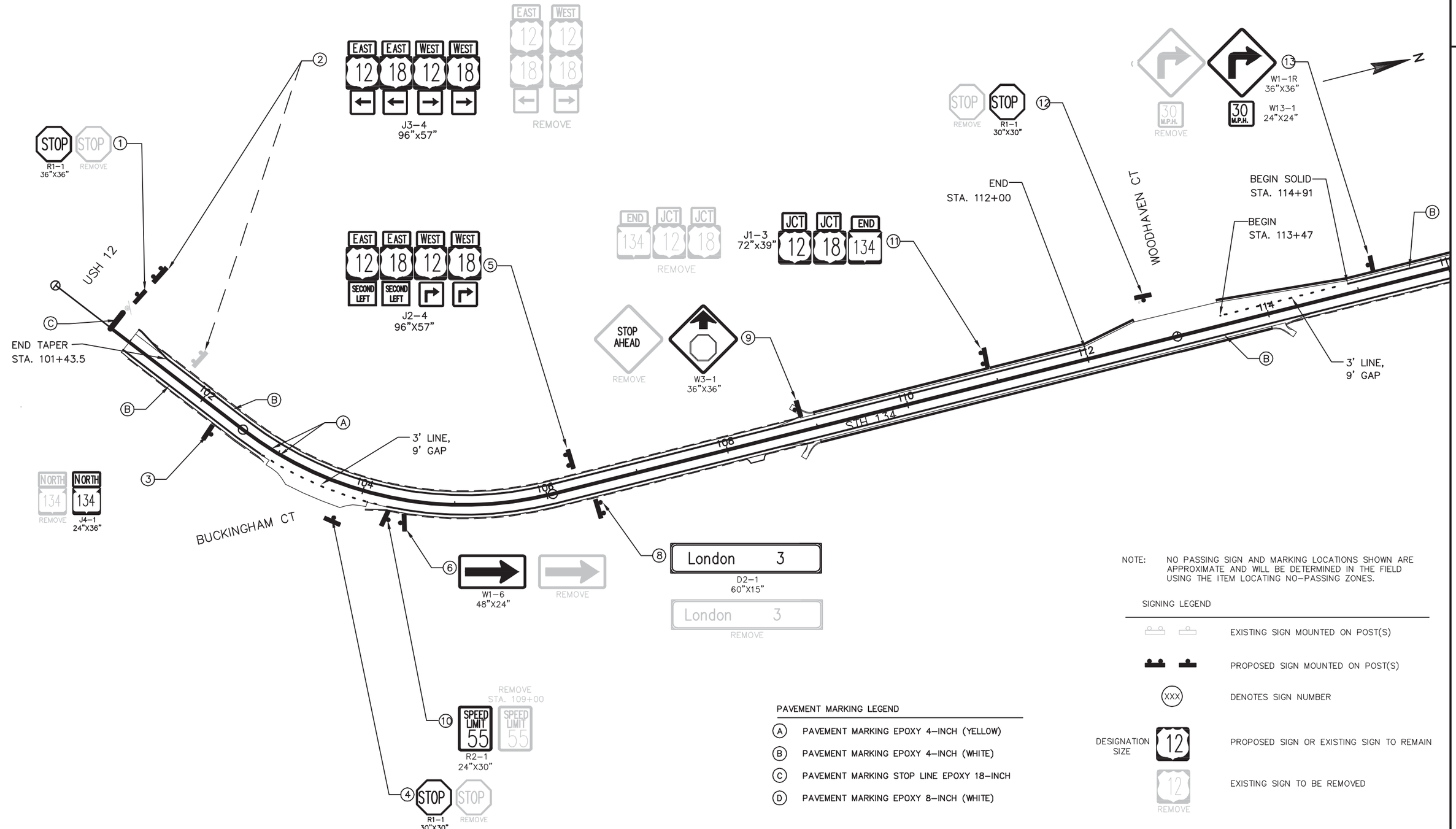
PROJECT NO:3617-00-71	HWY: STH 134	COUNTY: DANE & JEFFERSON	EROSION CONTROL	SHEET 27	E

FILE NAME : L:\PROJECTS\12516\DWG\36710001\SHEETSPLAN\022201_EC.DWG PLOT DATE : 10/31/2016 2:02 PM PLOT BY : MOYER, TIM PLOT NAME : PLOT SCALE : 1:100_XREF





PROJECT NO: 3671–00–71	HWY: STH 134	COUNTY: DANE AND JEFFERSON	STORMSEWER PROFILES	SHEET 28	E



NOTE: NO PASSING SIGN AND MARKING LOCATIONS SHOWN ARE APPROXIMATE AND WILL BE DETERMINED IN THE FIELD USING THE ITEM LOCATING NO-PASSING ZONES.

PAVEMENT MARKING LEGEND

- (A) PAVEMENT MARKING EPOXY 4-INCH (YELLOW)
- (B) PAVEMENT MARKING EPOXY 4-INCH (WHITE)
- (C) PAVEMENT MARKING STOP LINE EPOXY 18-INCH
- (D) PAVEMENT MARKING EPOXY 8-INCH (WHITE)

SIGNING LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON POST(S)
- (XXX) DENOTES SIGN NUMBER
- DESIGNATION SIZE 12 — PROPOSED SIGN OR EXISTING SIGN TO REMAIN
- 12 REMOVE — EXISTING SIGN TO BE REMOVED

PROJECT NO: 3671-00-71	HWY: STH 134	COUNTY: DANE & JEFFERSON	PERMANMENT SIGNING & PAVEMENT MARKING	SHEET 29	E

2

N

STA. 116+95

Ⓑ

Ⓐ

116 118 120 122 124 126 128 130

STH 134

Ⓑ

LAGOON RD

END NO PASSING ZONE
STA. 123+50

⑭ STOP
R1-1
30"X30"

STOP
REMOVE

PAVEMENT MARKING LEGEND

Ⓐ	PAVEMENT MARKING EPOXY 4-INCH (YELLOW)
Ⓑ	PAVEMENT MARKING EPOXY 4-INCH (WHITE)
Ⓒ	PAVEMENT MARKING STOP LINE 18-INCH
Ⓓ	PAVEMENT MARKING EPOXY 8-INCH (WHITE)

NOTE: NO PASSING SIGN AND MARKING LOCATIONS SHOWN ARE APPROXIMATE AND WILL BE DETERMINED IN THE FIELD USING THE ITEM LOCATING NO-PASSING ZONES.

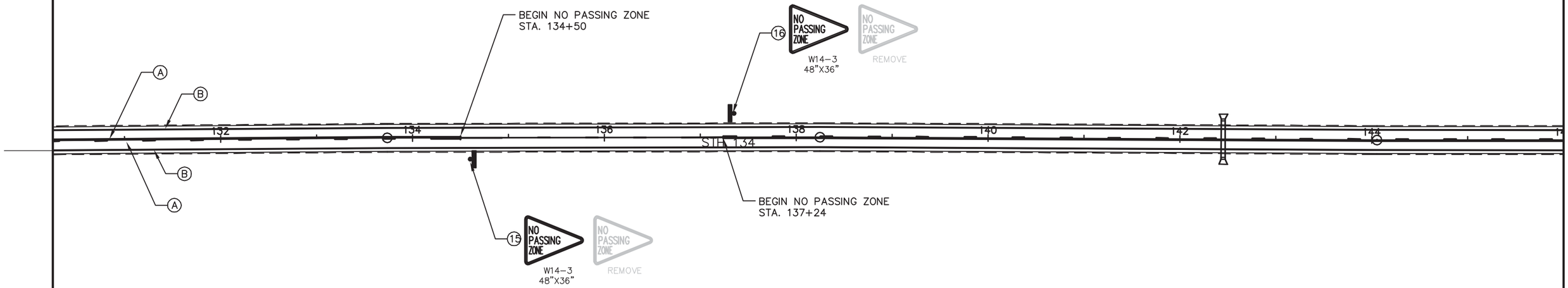
SIGNING LEGEND

	EXISTING SIGN MOUNTED ON POST(S)
	PROPOSED SIGN MOUNTED ON POST(S)
XXX	DENOTES SIGN NUMBER
DESIGNATION SIZE 12	PROPOSED SIGN OR EXISTING SIGN TO REMAIN
12 REMOVE	EXISTING SIGN TO BE REMOVED

PROJECT NO:3671-00-71	HWY:STH 134	COUNTY:DANE & JEFFERSON	PERMANMENT SIGNING & PAVEMENT MARKING	SHEET 30	E

2

N



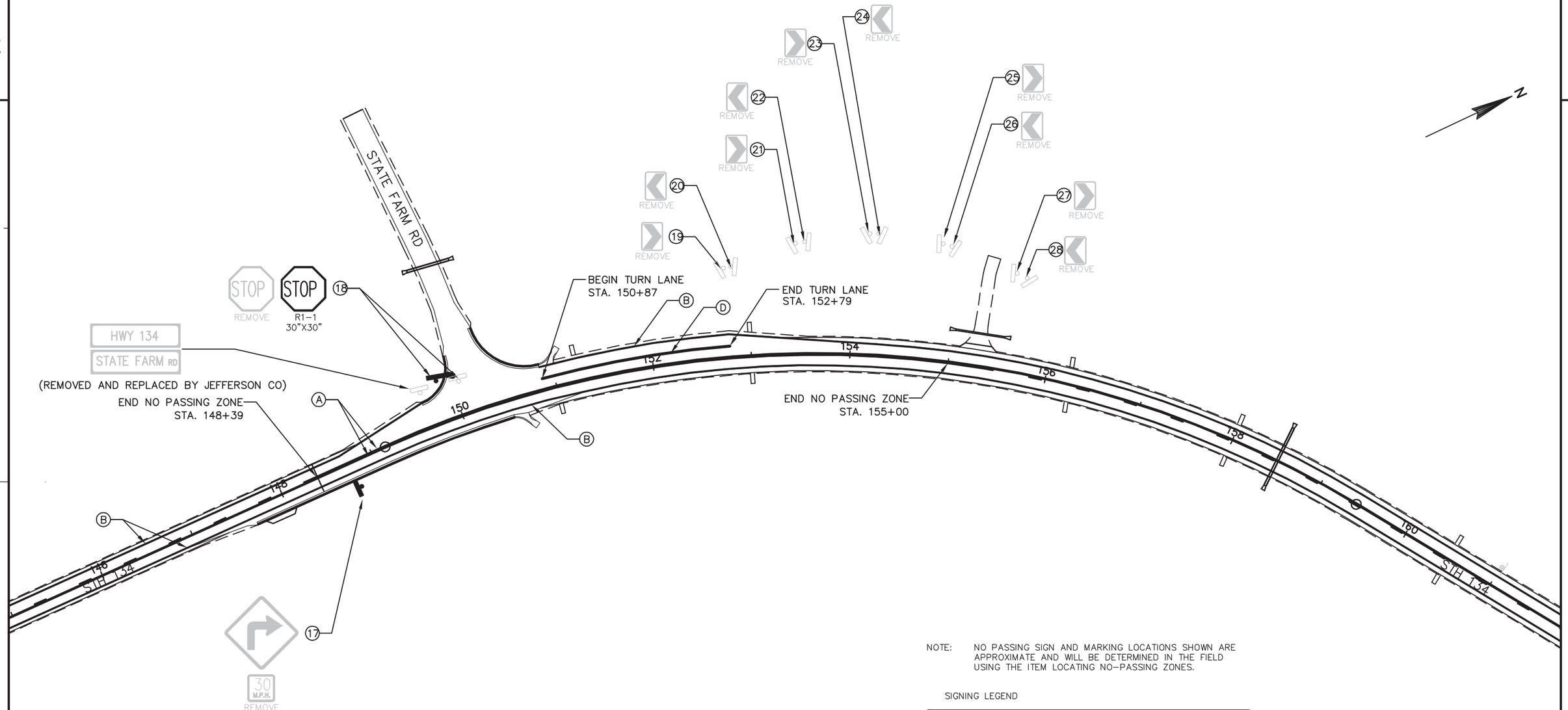
PAVEMENT MARKING LEGEND

(A)	PAVEMENT MARKING EPOXY 4-INCH (YELLOW)
(B)	PAVEMENT MARKING EPOXY 4-INCH (WHITE)
(C)	PAVEMENT MARKING STOP LINE 18-INCH
(D)	PAVEMENT MARKING EPOXY 8-INCH (WHITE)

NOTE: NO PASSING SIGN AND MARKING LOCATIONS SHOWN ARE APPROXIMATE AND WILL BE DETERMINED IN THE FIELD USING THE ITEM LOCATING NO-PASSING ZONES.

SIGNING LEGEND

	EXISTING SIGN MOUNTED ON POST(S)
	PROPOSED SIGN MOUNTED ON POST(S)
(XXX)	DENOTES SIGN NUMBER
DESIGNATION SIZE 12	PROPOSED SIGN OR EXISTING SIGN TO REMAIN
12 REMOVE	EXISTING SIGN TO BE REMOVED



PAVEMENT MARKING LEGEND

(A)	PAVEMENT MARKING EPOXY 4-INCH (YELLOW)
(B)	PAVEMENT MARKING EPOXY 4-INCH (WHITE)
(C)	PAVEMENT MARKING STOP LINE 18-INCH
(D)	PAVEMENT MARKING EPOXY 8-INCH (WHITE)

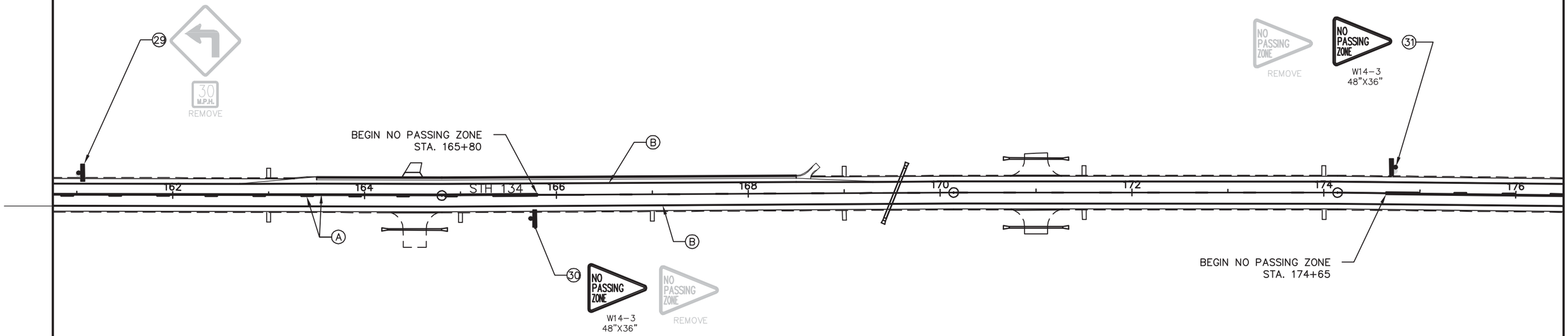
NOTE: NO PASSING SIGN AND MARKING LOCATIONS SHOWN ARE APPROXIMATE AND WILL BE DETERMINED IN THE FIELD USING THE ITEM LOCATING NO-PASSING ZONES.

SIGNING LEGEND

	EXISTING SIGN MOUNTED ON POST(S)
	PROPOSED SIGN MOUNTED ON POST(S)
(XXX)	DENOTES SIGN NUMBER
DESIGNATION / SIZE — 12	PROPOSED SIGN OR EXISTING SIGN TO REMAIN
12 REMOVE	EXISTING SIGN TO BE REMOVED

PROJECT NO:3671-00-71	HWY:STH 134	COUNTY:DANE & JEFFERSON	PERMANMENT SIGNING & PAVEMENT MARKING	SHEET 32	E

2



NOTE: NO PASSING SIGN AND MARKING LOCATIONS SHOWN ARE APPROXIMATE AND WILL BE DETERMINED IN THE FIELD USING THE ITEM LOCATING NO-PASSING ZONES.

PAVEMENT MARKING LEGEND

(A)	PAVEMENT MARKING EPOXY 4-INCH (YELLOW)
(B)	PAVEMENT MARKING EPOXY 4-INCH (WHITE)
(C)	PAVEMENT MARKING STOP LINE 18-INCH
(D)	PAVEMENT MARKING EPOXY 8-INCH (WHITE)

SIGNING LEGEND

	EXISTING SIGN MOUNTED ON POST(S)
	PROPOSED SIGN MOUNTED ON POST(S)
(XXX)	DENOTES SIGN NUMBER
DESIGNATION SIZE 12	PROPOSED SIGN OR EXISTING SIGN TO REMAIN
12 REMOVE	EXISTING SIGN TO BE REMOVED

PROJECT NO: 3671-00-71	HWY: STH 134	COUNTY: DANE & JEFFERSON	PERMANMENT SIGNING & PAVEMENT MARKING	SHEET 33	E

2

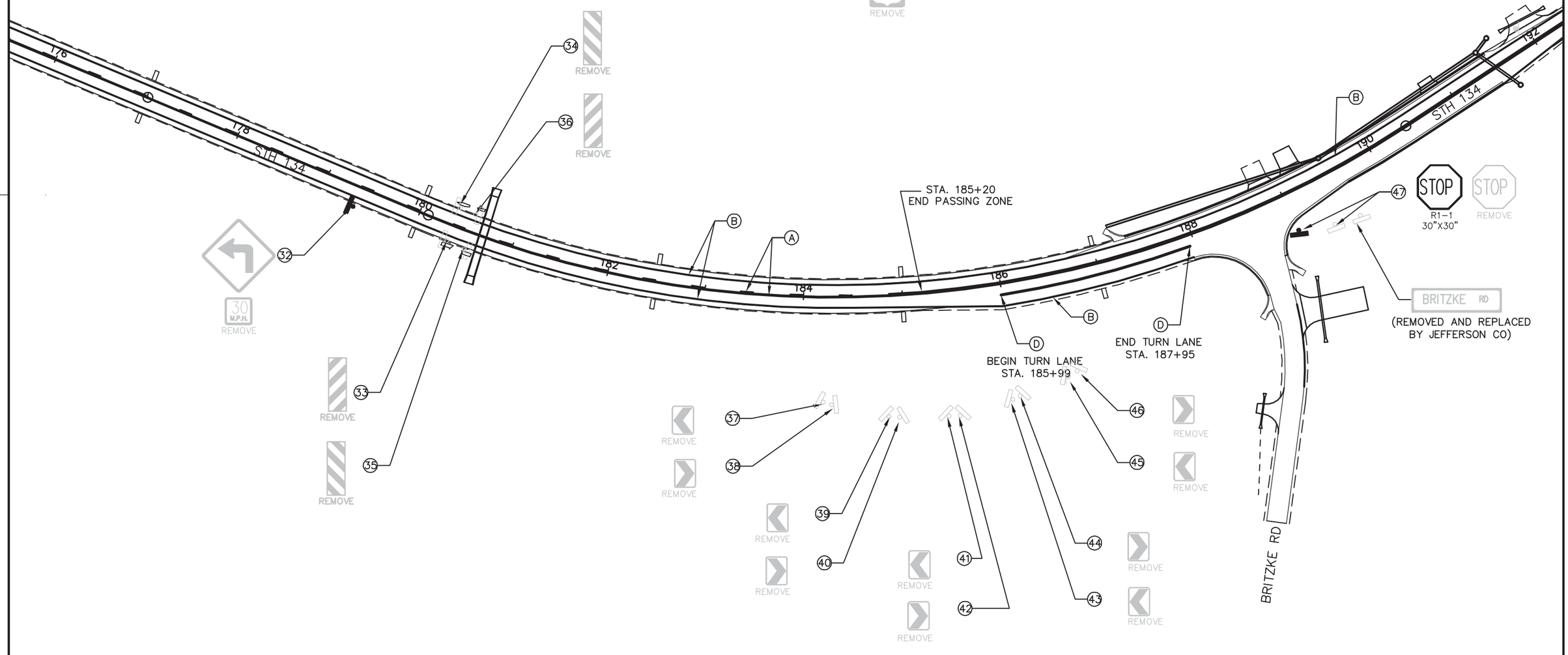
PAVEMENT MARKING LEGEND

- (A) PAVEMENT MARKING EPOXY 4–INCH (YELLOW)
- (B) PAVEMENT MARKING EPOXY 4–INCH (WHITE)
- (C) PAVEMENT MARKING STOP LINE 18–INCH
- (D) PAVEMENT MARKING EPOXY 8–INCH (WHITE)

NOTE: NO PASSING SIGN AND MARKING LOCATIONS SHOWN ARE APPROXIMATE AND WILL BE DETERMINED IN THE FIELD USING THE ITEM LOCATING NO–PASSING ZONES.

SIGNING LEGEND

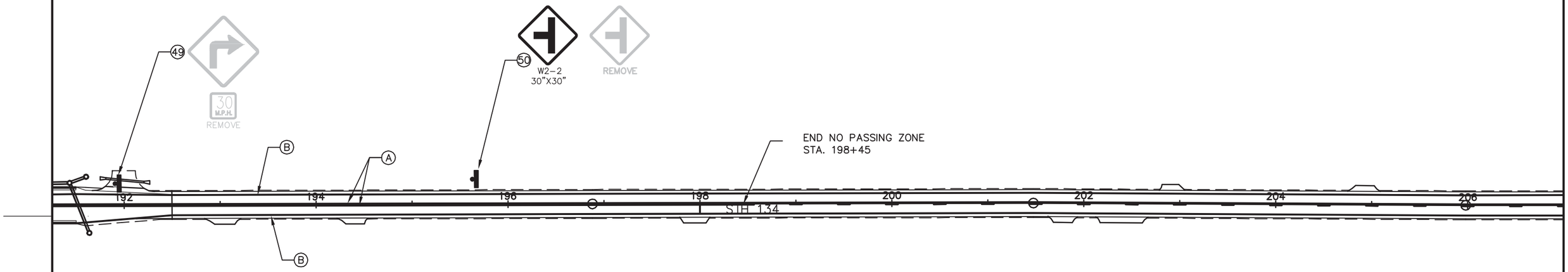
- EXISTING SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON POST(S)
- (XXX) DENOTES SIGN NUMBER
- DESIGNATION SIZE 12 — PROPOSED SIGN OR EXISTING SIGN TO REMAIN
- 12 REMOVE — EXISTING SIGN TO BE REMOVED



PROJECT NO:3671–00–71	HWY:STH 134	COUNTY:DANE & JEFFERSON	PERMANMENT SIGNING & PAVEMENT MARKING	SHEET 34	E

2

N



PAVEMENT MARKING LEGEND

(A)	PAVEMENT MARKING EPOXY 4–INCH (YELLOW)
(B)	PAVEMENT MARKING EPOXY 4–INCH (WHITE)
(C)	PAVEMENT MARKING STOP LINE 18–INCH
(D)	PAVEMENT MARKING EPOXY 8–INCH (WHITE)

NOTE: NO PASSING SIGN AND MARKING LOCATIONS SHOWN ARE APPROXIMATE AND WILL BE DETERMINED IN THE FIELD USING THE ITEM LOCATING NO–PASSING ZONES.

SIGNING LEGEND

	EXISTING SIGN MOUNTED ON POST(S)
	PROPOSED SIGN MOUNTED ON POST(S)
(XXX)	DENOTES SIGN NUMBER
DESIGNATION SIZE 12	PROPOSED SIGN OR EXISTING SIGN TO REMAIN
12 REMOVE	EXISTING SIGN TO BE REMOVED

PROJECT NO: 3671–00–71	HWY: STH 134	COUNTY: DANE & JEFFERSON	PERMANMENT SIGNING & PAVEMENT MARKING	SHEET 35	E

2

STOP
REMOVE

STOP
R1–1
30"X30"
55

N

REMAINS IN PLACE
MUNSON RD

Dane Co
REMOVE

Dane Co
I2–2
48"X15"
54

MUNSON RD

BEGIN NO PASSING ZONE
STA. 209+55

A
B

208 210 212 STH 134 214 216 218 220 222

B

51
NO PASSING ZONE
W14–3
48"X36"

NO PASSING ZONE
REMOVE

53
Jefferson Co
I2–2
72"X15"

Jefferson Co
REMOVE

NOTE: NO PASSING SIGN AND MARKING LOCATIONS SHOWN ARE APPROXIMATE AND WILL BE DETERMINED IN THE FIELD USING THE ITEM LOCATING NO–PASSING ZONES.

PAVEMENT MARKING LEGEND

A	PAVEMENT MARKING EPOXY 4–INCH (YELLOW)
B	PAVEMENT MARKING EPOXY 4–INCH (WHITE)
C	PAVEMENT MARKING STOP LINE 18–INCH
D	PAVEMENT MARKING EPOXY 8–INCH (WHITE)

SIGNING LEGEND

	EXISTING SIGN MOUNTED ON POST(S)
	PROPOSED SIGN MOUNTED ON POST(S)
XXX	DENOTES SIGN NUMBER
DESIGNATION SIZE 12	PROPOSED SIGN OR EXISTING SIGN TO REMAIN
12 REMOVE	EXISTING SIGN TO BE REMOVED

PROJECT NO:3671–00–71	HWY:STH 134	COUNTY:DANE & JEFFERSON	PERMANMENT SIGNING & PAVEMENT MARKING	SHEET 36	E

2

N

NEXT 3 MILES
REMOVE

58

NO PASSING ZONE
W14–3
48"X36"

NO PASSING ZONE
REMOVE

59

Cambridge 3
D2–1
78"X15"

60

Cambridge 3
REMOVE

SPEED LIMIT 55
REMOVE

SPEED LIMIT 55
R2–1
24"X30"

61

222 224 226 228 230 232 234 236

STH 134

(B) (B) (A)

BEGIN NO PASSING ZONE
STA. 229+60

57

SPEED LIMIT 35
W3–5
36"X36"

SPEED LIMIT 35
REMOVE

SPEED LIMIT 35
REMOVE

SPEED LIMIT 35
R2–1
24"X30"

62

NOTE: NO PASSING SIGN AND MARKING LOCATIONS SHOWN ARE APPROXIMATE AND WILL BE DETERMINED IN THE FIELD USING THE ITEM LOCATING NO–PASSING ZONES.

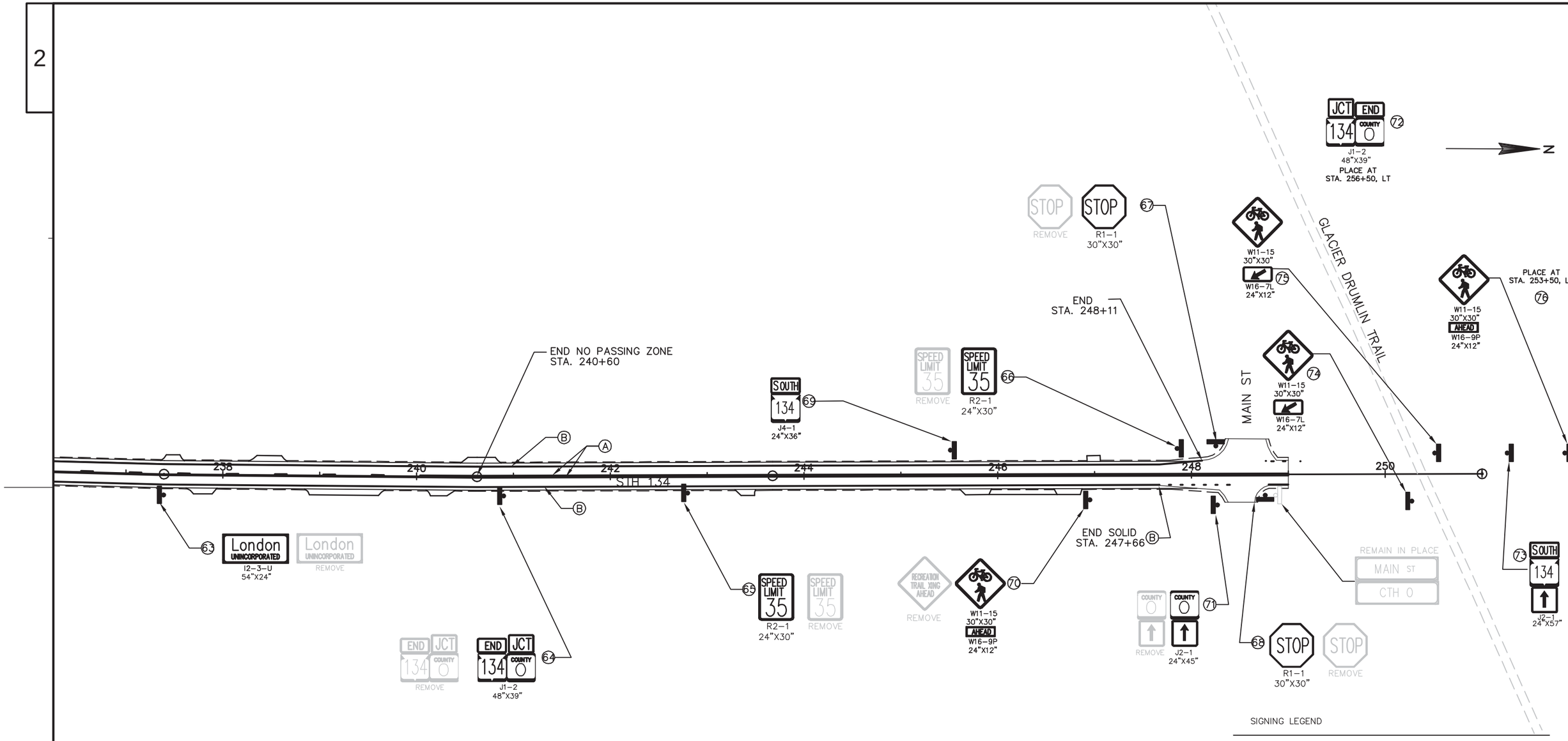
PAVEMENT MARKING LEGEND

(A)	PAVEMENT MARKING EPOXY 4–INCH (YELLOW)
(B)	PAVEMENT MARKING EPOXY 4–INCH (WHITE)
(C)	PAVEMENT MARKING STOP LINE 18–INCH
(D)	PAVEMENT MARKING EPOXY 8–INCH (WHITE)

SIGNING LEGEND

	EXISTING SIGN MOUNTED ON POST(S)
	PROPOSED SIGN MOUNTED ON POST(S)
XXX	DENOTES SIGN NUMBER
DESIGNATION SIZE 12	PROPOSED SIGN OR EXISTING SIGN TO REMAIN
12 REMOVE	EXISTING SIGN TO BE REMOVED

2



NOTE: NO PASSING SIGN AND MARKING LOCATIONS SHOWN ARE APPROXIMATE AND WILL BE DETERMINED IN THE FIELD USING THE ITEM LOCATING NO-PASSING ZONES.

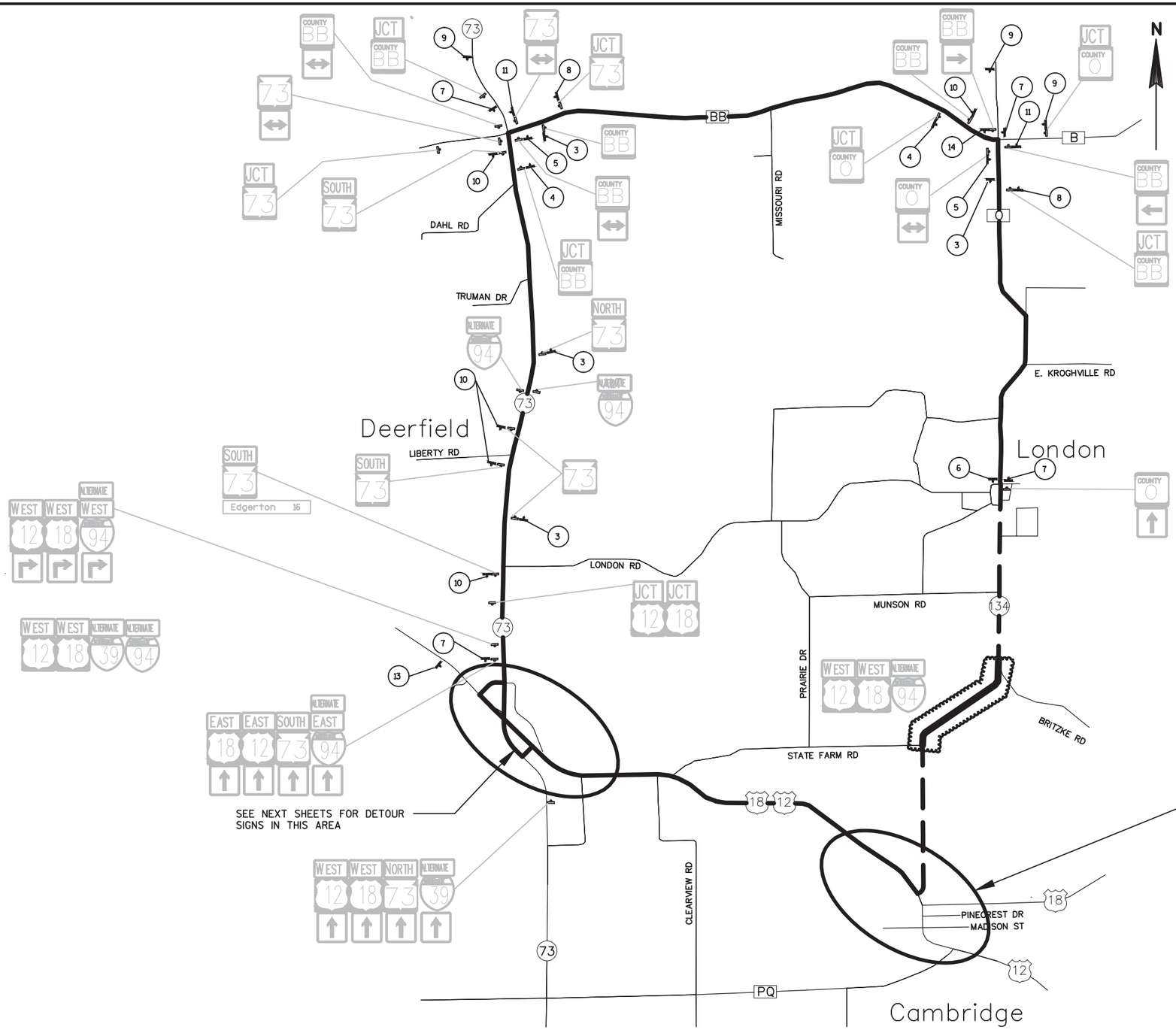
PAVEMENT MARKING LEGEND

(A)	PAVEMENT MARKING EPOXY 4-INCH (YELLOW)
(B)	PAVEMENT MARKING EPOXY 4-INCH (WHITE)
(C)	PAVEMENT MARKING STOP LINE 18-INCH
(D)	PAVEMENT MARKING EPOXY 8-INCH (WHITE)

SIGNING LEGEND

	EXISTING SIGN MOUNTED ON POST(S)
	PROPOSED SIGN MOUNTED ON POST(S)
(XXX)	DENOTES SIGN NUMBER
DESIGNATION SIZE 12	PROPOSED SIGN OR EXISTING SIGN TO REMAIN
12 REMOVE	EXISTING SIGN TO BE REMOVED

PROJECT NO: 3671-00-71	HWY: STH 134	COUNTY: DANE & JEFFERSON	PERMANMENT SIGNING & PAVEMENT MARKING	SHEET 38	E

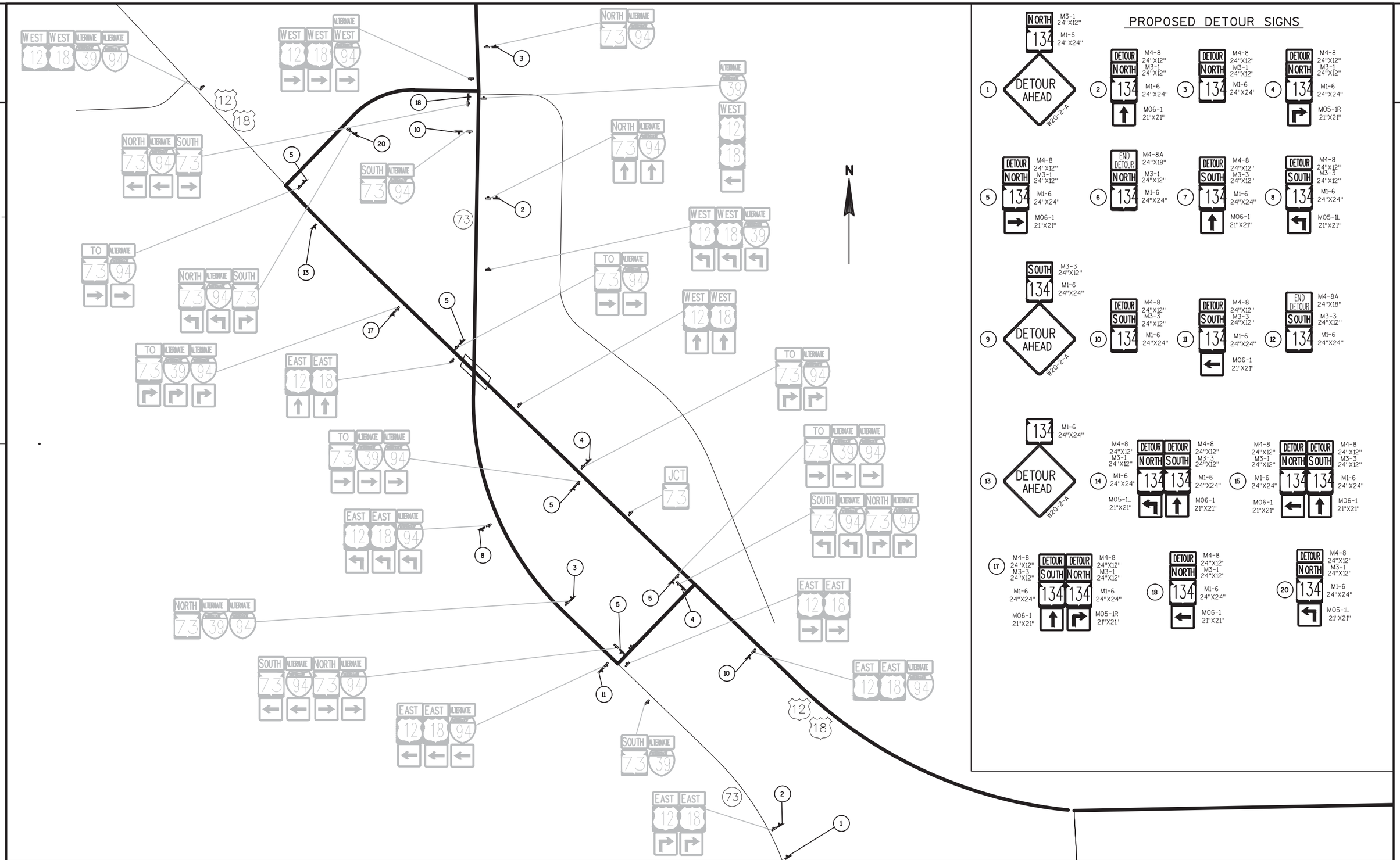


PROPOSED DETOUR SIGNS

1. DETOUR AHEAD (W20-2-A) — M3-1 24"X12", M1-6 24"X24"
2. NORTH 134 — M3-1 24"X12", M1-6 24"X24"; DETOUR AHEAD (W20-2-A) — M4-8 24"X12", M3-1 24"X12", M1-6 24"X24", M06-1 21"X21"
3. DETOUR NORTH 134 — M4-8 24"X12", M3-1 24"X12", M1-6 24"X24"
4. DETOUR NORTH 134 — M4-8 24"X12", M3-1 24"X12", M1-6 24"X24", M05-1R 21"X21"
5. DETOUR NORTH 134 — M4-8 24"X12", M3-1 24"X12", M1-6 24"X24", M06-1 21"X21"
6. END DETOUR NORTH 134 — M4-8A 24"X18", M3-1 24"X12", M1-6 24"X24"
7. DETOUR SOUTH 134 — M4-8 24"X12", M3-3 24"X12", M1-6 24"X24", M06-1 21"X21"
8. DETOUR SOUTH 134 — M4-8 24"X12", M3-3 24"X12", M1-6 24"X24", M05-1L 21"X21"
9. SOUTH 134 — M3-3 24"X12", M1-6 24"X24"; DETOUR AHEAD (W20-2-A)
10. DETOUR SOUTH 134 — M4-8 24"X12", M3-3 24"X12", M1-6 24"X24"
11. DETOUR SOUTH 134 — M4-8 24"X12", M3-3 24"X12", M1-6 24"X24", M06-1 21"X21"
12. END DETOUR SOUTH 134 — M4-8A 24"X18", M3-3 24"X12", M1-6 24"X24"
13. 134 — M1-6 24"X24"; DETOUR AHEAD (W20-2-A)
14. DETOUR SOUTH 134 — M4-8 24"X12", M3-3 24"X12", M1-6 24"X24", M06-1 21"X21"

2

PROJECT NO: 3671-00-71	HWY: STH 134	COUNTY: DANE & JEFFERSON	DETOUR PLAN	SHEET 39	E

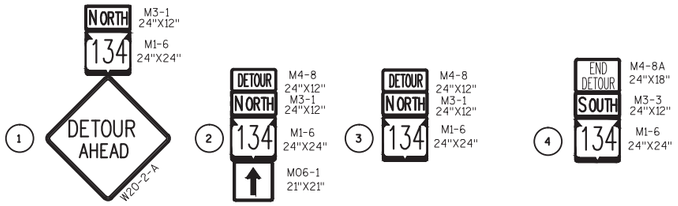


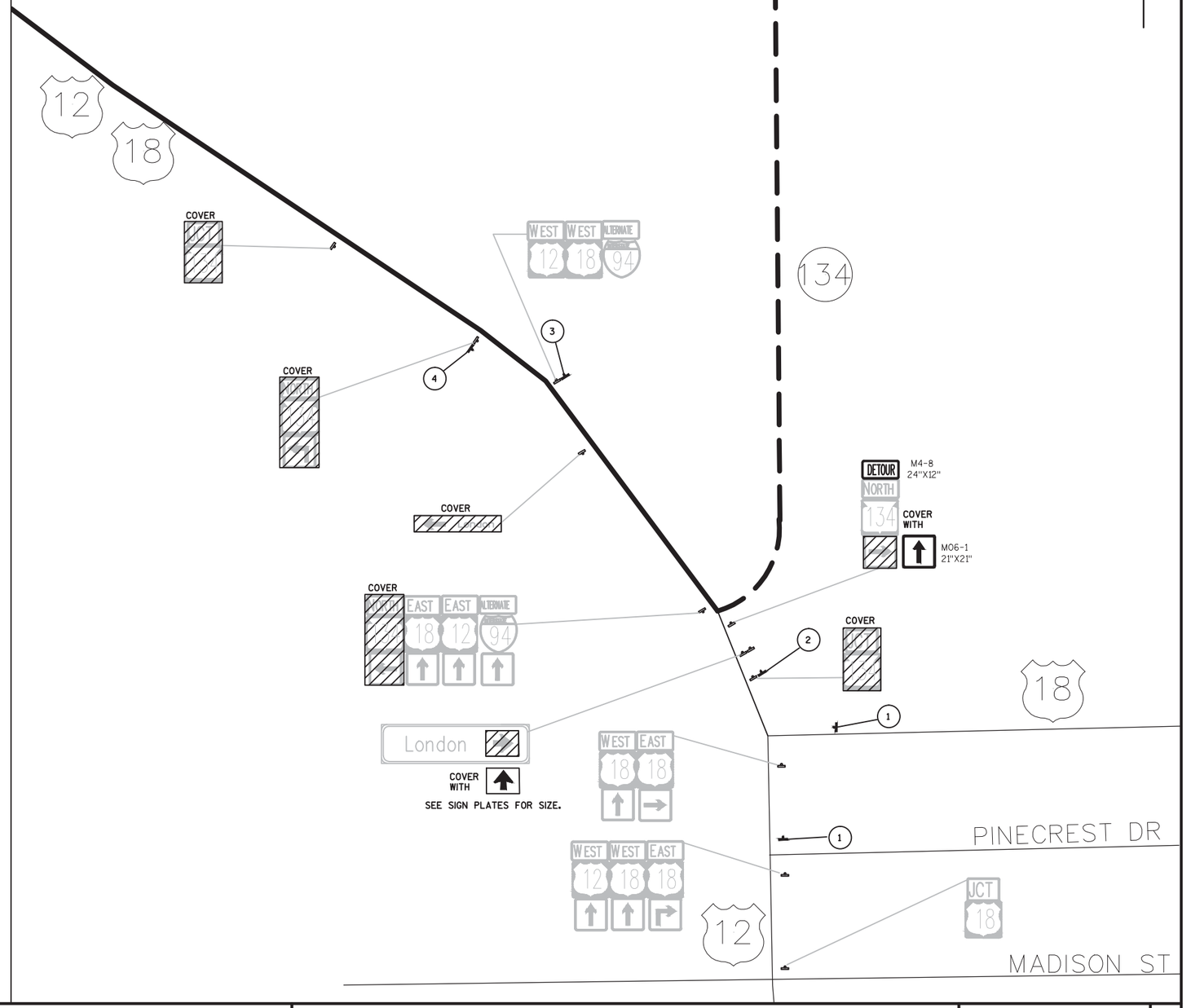
PROPOSED DETOUR SIGNS

2

PROJECT NO: 3671-00-71	HWY: STH 134	COUNTY: DANE & JEFFERSON	DETOUR PLAN - STH 73 INTERCHANGE DETAIL	SHEET 40	E

PROPOSED DETOUR SIGNS





PROJECT NO: 3671-00-71	HWY: STH 134	COUNTY: DANE & JEFFERSON	DETOUR PLAN - STH 134 & USH 12/18 INTERSECTION DETAIL	SHEET 41	E

2

STATE FARM ROAD

POINT	NORTHING	EASTING	BEARING AHEAD	DISTANCE AHEAD
POB STA 60+00	464415.397	917419.132	N 88° 59' 33.37 E"	394.265'
PC STA 63+43.55	464422.329	917813.336		
PT STA 64+92.70	464417.605	917911.588	S 83° 29' 14.93 E"	83.896'
POE STA65+76.60	464408.09	917994.942		

CURVE 4	
PI STA	64+43.55
NORTHING	464423.195
EASTING	917862.617
DELTA	7° 31' 11.71""
DEGREE	7° 38' 21.97""
TANGENT	49.289'
LENGTH	98.435'
RADIUS	750.000'
BEARING BACK	N 88° 59' 33.37 E""
BEARING AHEAD	S 83° 29' 14.93 E""
L CHORD DISTANCE	98.365'
EXTERNAL DISTANCE	1.618'
MIDDLE ORDINATE	1.614'
SUPERELEVATION	NC

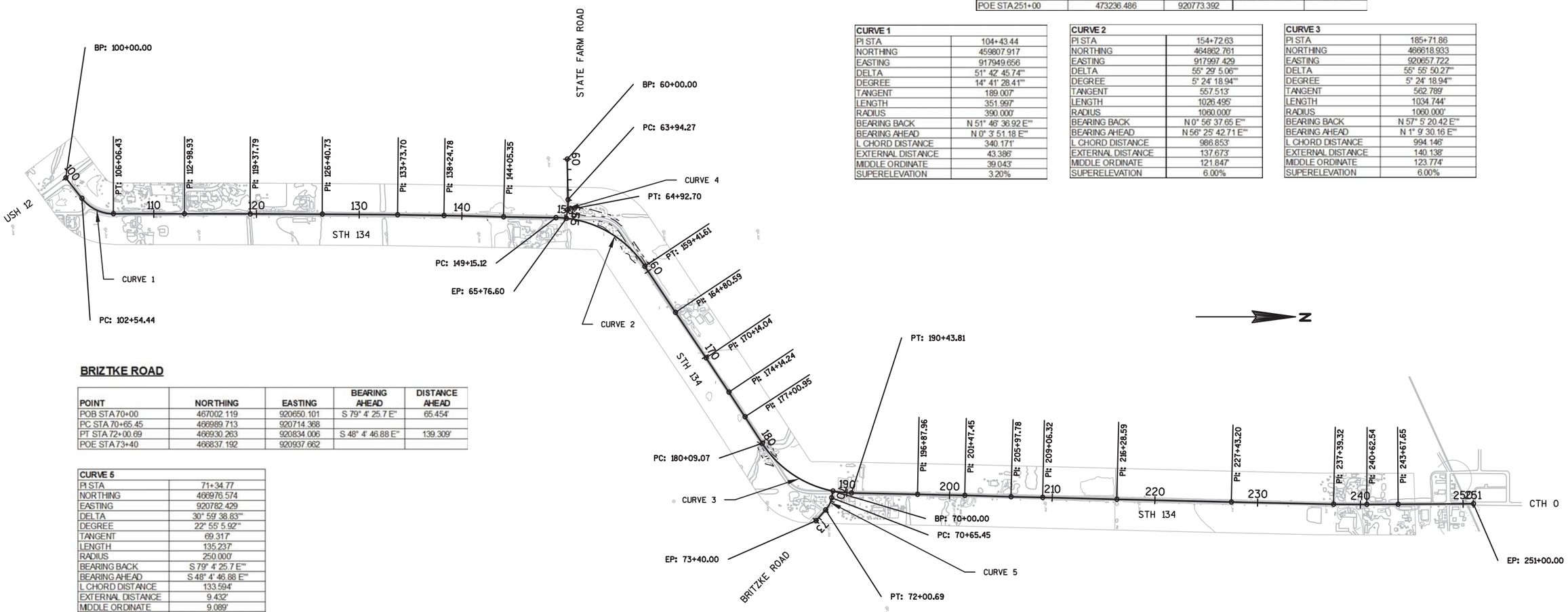
STH 134

POINT	NORTHING	EASTING	BEARING AHEAD	DISTANCE AHEAD
PI STA 100+00	459533.547	917601.283	N 51° 46' 36.92 E"	254.438'
PC STA 102+54.44	459690.973	917801.171		
PT STA 106+06.43	459807.917	917949.656	N 0° 3' 51.18 E"	692.499'
PI STA 112+98.93	460689.422	917950.644	N 0° 10' 25.39 E"	638.859'
PI STA 119+37.79	461328.278	917952.581	N 0° 8' 43.19 E"	702.941'
PI STA 126+40.73	462031.217	917954.364	N 0° 30' 58.73 E"	732.971'
PI STA 133+73.70	462764.158	917960.969	N 0° 49' 44.74 E"	451.074'
PI STA 138+24.78	463215.185	917967.496	N 1° 13' 9.13 E"	580.566'
PI STA 144+05.35	463795.620	917979.849	N 0° 56' 37.65 E"	509.773'
PC STA 149+15.12	464305.324	917988.246		
PT STA 159+41.61	465171.053	918461.947	N 56° 25' 42.71 E"	538.973'
PI STA 164+80.59	465469.092	918911.017	N 55° 59' 40.52 E"	533.459'
PI STA 170+14.04	465767.44	919353.246	N 56° 19' 29.65 E"	400.195'
PI STA 174+14.24	465989.341	919686.286	N 56° 56' 30.66 E"	286.709'
PI STA 177+00.95	466145.738	919926.582	N 57° 5' 20.42 E"	308.118'
PC STA 180+09.07	466313.15	920185.252		
PT STA 190+43.81	467181.607	920669.1	N 1° 9' 30.16 E"	644.148'
PI STA 196+87.96	467825.623	920682.122	N 1° 12' 28.84 E"	459.487'
PI STA 201+47.45	468285.008	920691.809	N 1° 36' 51.7 E"	450.338'
PI STA 205+97.78	468735.167	920704.496	N 1° 18' 41.57 E"	308.535'
PI STA 209+06.32	469043.621	920711.558	N 1° 27' 16.09 E"	722.268'
PI STA 216+28.59	469765.656	920729.891	N 1° 22' 3.31 E"	1114.611'
PI STA 227+43.20	470879.95	920756.493	N 1° 15' 46.55 E"	996.120'
PI STA 237+39.32	471875.828	920778.448	N 0° 16' 38.06 E"	323.227'
PI STA 240+62.54	472199.051	920780.012	N 0° 21' 56.27 W"	305.105'
PI STA 243+67.65	472504.15	920778.065	N 0° 21' 56.27 W"	732.351'
POE STA 251+00	473236.486	920773.392		

CURVE 1	
PI STA	104+43.44
NORTHING	459807.917
EASTING	917949.656
DELTA	51° 42' 45.74""
DEGREE	14° 41' 28.41""
TANGENT	189.007'
LENGTH	351.997'
RADIUS	390.000'
BEARING BACK	N 51° 46' 36.92 E""
BEARING AHEAD	N 0° 3' 51.18 E""
L CHORD DISTANCE	340.171'
EXTERNAL DISTANCE	43.386'
MIDDLE ORDINATE	39.043'
SUPERELEVATION	3.20%

CURVE 2	
PI STA	154+72.63
NORTHING	464862.761
EASTING	917997.429
DELTA	55° 29' 5.06""
DEGREE	5° 24' 18.94""
TANGENT	557.513'
LENGTH	1026.495'
RADIUS	1060.000'
BEARING BACK	N 0° 56' 37.65 E""
BEARING AHEAD	N 56° 25' 42.71 E""
L CHORD DISTANCE	986.853'
EXTERNAL DISTANCE	137.673'
MIDDLE ORDINATE	121.847'
SUPERELEVATION	6.00%

CURVE 3	
PI STA	185+71.86
NORTHING	466618.933
EASTING	920657.722
DELTA	55° 55' 50.27""
DEGREE	5° 24' 18.94""
TANGENT	562.789'
LENGTH	1034.744'
RADIUS	1060.000'
BEARING BACK	N 57° 5' 20.42 E""
BEARING AHEAD	N 1° 9' 30.16 E""
L CHORD DISTANCE	994.146'
EXTERNAL DISTANCE	140.138'
MIDDLE ORDINATE	123.774'
SUPERELEVATION	6.00%



BRIZTKE ROAD

POINT	NORTHING	EASTING	BEARING AHEAD	DISTANCE AHEAD
POB STA 70+00	467002.119	920650.101	S 79° 4' 25.7 E"	65.454'
PC STA 70+65.45	466989.713	920714.368		
PT STA 72+00.69	466930.263	920834.006	S 48° 4' 46.88 E"	139.309'
POE STA 73+40	466837.192	920937.662		

CURVE 5	
PI STA	71+34.77
NORTHING	466976.574
EASTING	920782.429
DELTA	30° 59' 38.83""
DEGREE	22° 55' 5.92""
TANGENT	69.317'
LENGTH	135.237'
RADIUS	250.000'
BEARING BACK	S 79° 4' 25.7 E""
BEARING AHEAD	S 48° 4' 46.88 E""
L CHORD DISTANCE	133.594'
EXTERNAL DISTANCE	9.432'
MIDDLE ORDINATE	9.089'
SUPERELEVATION	2.30%

PROJECT NO: 3671-00-71	HWY: STH 134	COUNTY: DANE & JEFFERSON	ALIGNMENT DIAGRAM	SHEET 42	E

3671-00-71

Line	Item	Item Description	Unit	Total	Qty
0010	201.0105	Clearing	STA	3.000	3.000
0020	201.0120	Clearing	ID	38.000	38.000
0030	201.0205	Grubbing	STA	3.000	3.000
0040	201.0220	Grubbing	ID	38.000	38.000
0050	203.0100	Removing Small Pipe Culverts	EACH	4.000	4.000
0060	203.0200	Removing Old Structure (station) 01. STA 122+25	LS	1.000	1.000
0070	203.0200	Removing Old Structure (station) 02. STA 142+45	LS	1.000	1.000
0080	203.0200	Removing Old Structure (station) 03. STA 158+50	LS	1.000	1.000
0090	203.0200	Removing Old Structure (station) 04. STA 169+53	LS	1.000	1.000
0100	203.0200	Removing Old Structure (station) 05. STA 180+50	LS	1.000	1.000
0110	203.0200	Removing Old Structure (station) 06. STA 223+83	LS	1.000	1.000
0120	204.0115	Removing Asphaltic Surface Butt Joints	SY	180.000	180.000
0130	204.0120	Removing Asphaltic Surface Milling	SY	27,725.000	27,725.000
0140	204.0165	Removing Guardrail	LF	104.000	104.000
0150	205.0100	Excavation Common	CY	24,065.000	24,065.000
0160	211.0100	Prepare Foundation for Asphaltic Paving (project) 01. 3671-00-71	LS	1.000	1.000
0170	213.0100	Finishing Roadway (project) 01. 3671-00-71	EACH	1.000	1.000
0180	214.0100	Obliterating Old Road	STA	12.000	12.000
0190	305.0110	Base Aggregate Dense 3/4-Inch	TON	1,200.000	1,200.000
0200	305.0120	Base Aggregate Dense 1 1/4-Inch	TON	20,700.000	20,700.000
0210	312.0110	Select Crushed Material	TON	13,200.000	13,200.000
0220	416.0160	Concrete Driveway 6-Inch	SY	63.000	63.000
0230	416.1010	Concrete Surface Drains	CY	18.000	18.000
0240	440.4410	Incentive IRI Ride	DOL	11,400.000	11,400.000
0250	455.0605	Tack Coat	GAL	1,750.000	1,750.000
0260	460.2000	Incentive Density HMA Pavement	DOL	6,710.000	6,710.000
0270	460.4110.S	Reheating HMA Pavement Longitudinal Joints	LF	30,800.000	30,800.000
0280	460.5224	HMA Pavement 4 LT 58-28 S	TON	10,480.000	10,480.000
0290	465.0120	Asphaltic Surface Driveways and Field Entrances	TON	63.000	63.000
0300	520.1012	Apron Endwalls for Culvert Pipe 12-Inch	EACH	2.000	2.000
0310	520.1018	Apron Endwalls for Culvert Pipe 18-Inch	EACH	2.000	2.000
0320	520.3312	Culvert Pipe Class III-A 12-Inch	LF	28.000	28.000
0330	520.3318	Culvert Pipe Class III-A 18-Inch	LF	270.000	270.000
0340	521.1518	Apron Endwalls for Culvert Pipe Sloped Side Drains Steel 18-Inch 6 to 1	EACH	8.000	8.000
0350	522.0324	Culvert Pipe Reinforced Concrete Class IV 24-Inch	LF	193.000	193.000
0360	522.1024	Apron Endwalls for Culvert Pipe Reinforced Concrete 24-Inch	EACH	9.000	9.000
0370	523.0119	Culvert Pipe Reinforced Concrete Horizontal Elliptical Class HE-III 19x30-Inch	LF	56.000	56.000

Line	Item	Item Description	Unit	Total	Qty
0380	523.0153	Culvert Pipe Reinforced Concrete Horizontal Elliptical Class HE-III 53x83-Inch	LF	80.000	80.000
0390	523.0429	Culvert Pipe Reinforced Concrete Horizontal Elliptical Class HE-IV 29x45-Inch	LF	42.000	42.000
0400	523.0519	Apron Endwalls for Culvert Pipe Reinforced Concrete Horizontal Elliptical 19x30-Inch	EACH	2.000	2.000
0410	523.0529	Apron Endwalls for Culvert Pipe Reinforced Concrete Horizontal Elliptical 29x45-Inch	EACH	2.000	2.000
0420	523.0553	Apron Endwalls for Culvert Pipe Reinforced Concrete Horizontal Elliptical 53x83-Inch	EACH	2.000	2.000
0430	601.0557	Concrete Curb & Gutter 6-Inch Sloped 36-Inch Type D	LF	2,719.000	2,719.000
0440	606.0200	Riprap Medium	CY	9.000	9.000
0450	608.0324	Storm Sewer Pipe Reinforced Concrete Class III 24-Inch	LF	491.000	491.000
0460	611.0530	Manhole Covers Type J	EACH	1.000	1.000
0470	611.0612	Inlet Covers Type C	EACH	2.000	2.000
0480	611.0627	Inlet Covers Type HM	EACH	1.000	1.000
0490	611.1004	Catch Basins 4-FT Diameter	EACH	3.000	3.000
0500	611.2004	Manholes 4-FT Diameter	EACH	1.000	1.000
0510	618.0100	Maintenance And Repair of Haul Roads (project) 01. 3671-00-71	EACH	1.000	1.000
0520	619.1000	Mobilization	EACH	1.000	1.000
0530	621.0100	Landmark Reference Monuments	EACH	15.000	15.000
0540	625.0500	Salvaged Topsoil	SY	54,800.000	54,800.000
0550	627.0200	Mulching	SY	46,100.000	46,100.000
0560	628.1104	Erosion Bales	EACH	140.000	140.000
0570	628.1504	Silt Fence	LF	9,780.000	9,780.000
0580	628.1520	Silt Fence Maintenance	LF	9,780.000	9,780.000
0590	628.1905	Mobilizations Erosion Control	EACH	2.000	2.000
0600	628.1910	Mobilizations Emergency Erosion Control	EACH	2.000	2.000
0610	628.2023	Erosion Mat Class II Type B	SY	8,700.000	8,700.000
0620	628.7005	Inlet Protection Type A	EACH	3.000	3.000
0630	628.7015	Inlet Protection Type C	EACH	3.000	3.000
0640	628.7504	Temporary Ditch Checks	LF	630.000	630.000
0650	628.7555	Culvert Pipe Checks	EACH	75.000	75.000
0660	629.0210	Fertilizer Type B	CWT	34.500	34.500
0670	630.0120	Seeding Mixture No. 20	LB	830.000	830.000
0680	633.5200	Markers Culvert End	EACH	15.000	15.000
0690	634.0614	Posts Wood 4x6-Inch X 14-FT	EACH	31.000	31.000
0700	634.0616	Posts Wood 4x6-Inch X 16-FT	EACH	15.000	15.000
0710	634.0620	Posts Wood 4x6-Inch X 20-FT	EACH	5.000	5.000

3671-00-71

Line	Item	Item Description	Unit	Total	Qty
0720	637.2210	Signs Type II Reflective H	SF	259.180	259.180
0730	637.2230	Signs Type II Reflective F	SF	114.250	114.250
0740	638.2602	Removing Signs Type II	EACH	56.000	56.000
0750	638.3000	Removing Small Sign Supports	EACH	59.000	59.000
0760	642.5401	Field Office Type D	EACH	1.000	1.000
0770	643.0200.S	Traffic Control Surveillance and Maintenance (project) 01. 3671-00-71	DAY	86.000	86.000
0780	643.0300	Traffic Control Drums	DAY	20,200.000	20,200.000
0790	643.0420	Traffic Control Barricades Type III	DAY	2,500.000	2,500.000
0800	643.0705	Traffic Control Warning Lights Type A	DAY	4,216.000	4,216.000
0810	643.0715	Traffic Control Warning Lights Type C	DAY	3,500.000	3,500.000
0820	643.0900	Traffic Control Signs	DAY	8,000.000	8,000.000
0830	643.0920	Traffic Control Covering Signs Type II	EACH	12.000	12.000
0840	643.1050	Traffic Control Signs PCMS	DAY	20.000	20.000
0850	643.2000	Traffic Control Detour (project) 01. 3671-00-71	EACH	1.000	1.000
0860	643.3000	Traffic Control Detour Signs	DAY	17,300.000	17,300.000
0870	645.0120	Geotextile Type HR	SY	32.000	32.000
0880	645.0220	Geogrid Type SR	SY	19,362.000	19,362.000
0890	646.0106	Pavement Marking Epoxy 4-Inch	LF	47,752.000	47,752.000
0900	646.0126	Pavement Marking Epoxy 8-Inch	LF	392.000	392.000
0910	647.0566	Pavement Marking Stop Line Epoxy 18-Inch	LF	40.000	40.000
0920	648.0100	Locating No-Passing Zones	MI	2.803	2.803
0930	649.0402	Temporary Pavement Marking Paint 4-Inch	LF	1,850.000	1,850.000
0940	650.4000	Construction Staking Storm Sewer	EACH	5.000	5.000
0950	650.4500	Construction Staking Subgrade	LF	5,014.000	5,014.000
0960	650.5000	Construction Staking Base	LF	4,410.000	4,410.000
0970	650.5500	Construction Staking Curb Gutter and Curb & Gutter	LF	2,544.000	2,544.000
0980	650.6000	Construction Staking Pipe Culverts	EACH	9.000	9.000
0990	650.8000	Construction Staking Resurfacing Reference	LF	10,390.000	10,390.000
1000	650.9910	Construction Staking Supplemental Control (project) 01. 3671-00-71	LS	1.000	1.000
1010	650.9920	Construction Staking Slope Stakes	LF	5,014.000	5,014.000
1020	690.0150	Sawing Asphalt	LF	346.000	346.000
1030	ASP.1T0A	On-the-Job Training Apprentice at $5.00/HR	HRS	700.000	700.000
1040	ASP.1T0G	On-the-Job Training Graduate at $5.00/HR	HRS	400.000	400.000

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CLEARING AND GRUBBING

STATION	LOCATION	201.1050 CLEARING STA	201.0120 CLEARING ID	201.0205 GRUBBING STA	201.0220 GRUBBING ID
164+00 - 165+00	LT	1	---	1	---
180+00 - 181+00	LT AND RT	1	---	1	---
181+00 - 182+00	LT	1	---	1	---
70+65B	RT	---	14	---	14
71+25B	RT	---	8	---	8
71+40B	LT	---	4	---	4
51+50B	RT	---	12	---	12
TOTALS		**3**	**38**	**3**	**38**

REMOVING CULVERT SUMMARY

MAINLINE STATION	LOCATION	203.0100 REMOVING SMALL PIPE CULVERTS EACH	REMARKS
188+90	LT	1	DRIVEWAY - 15" CMP
189+30	LT	1	DRIVEWAY - 12" CMP
190+90	LT	1	DRIVEWAY - 12" CMP
64+21.2	CL	1	18" CMP CROSS CULVERT
TOTALS		**4**	

REMOVING OLD STRUCTURE SUMMARY

	REMARKS
REMOVING OLD STRUCTURE 203.0200.1 (122+25)	18" BOX CULVERT
REMOVING OLD STRUCTURE 203.0200.2 (142+45)	24" BOX CULVERT
REMOVING OLD STRUCTURE 203.0200.3 (158+50)	18" BOX CULVERT
REMOVING OLD STRUCTURE 203.0200.4 (169+53)	18" BOX CULVERT
REMOVING OLD STRUCTURE 203.0200.5 (180+50)	C-13-3058 (6' X 6' BOX CULVERT)
REMOVING OLD STRUCTURE 203.0200.6 (223+83)	18" BOX CULVERT

REMOVING ASPHALTIC SURFACE SUMMARY

MAINLINE STATION	TO	STATION	204.0115 REMOVING ASPHALTIC SURFACE BUTT JOINTS SY	204.0120 REMOVING ASPHALTIC SURFACE MILLING SY	REMARKS
101+00			50	-	USH 12/18
101+00	-	103+53	-	770	
103+53	-	112+99	-	2745	
112+99	-	119+38	-	2040	
119+38	-	148+40	-	7530	
192+50	-	216+29	-	6155	
216+29	-	249+00	-	8485	
249+00			50	-	
SIDE ROADS					
STATION		**LOCATION**			
103+53		RT	21	-	BUCKINGHAM CT
112+99		LT	11	-	WOODHAVEN CT
119+38		RT	10	-	LAGOON RD
216+28		LT	12	-	MUNSON RD
248+51		RT	11	-	MAIN ST
248+57		LT	15	-	MAIN ST
TOTALS			**180**	**27725**	

REMOVING GUARDRAIL SUMMARY

MAINLINE STATION	TO	STATION	LOCATION	204.0165 REMOVING GUARDRAIL LF	REMARKS
179+98	-	181+02	RT	104	
TOTALS				**104**	

OBLITERATING OLD ROADWAY

MAINLINE STATION	TO	STATION	LOCATION	214.0100 OBLITERATING OLD ROADWAY STA	REMARKS
152+00	-	158+00	LT	6	
182+00	-	188+00	RT	6	
TOTALS				**12**	

ALL QUANTITIES ARE CATEGORY 0010.

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EARTHWORK SUMMARY TABLE

Division	From/To Station	Location	Common Excavation (1) (item # 205.0100)		Salvaged/Unusable Pavement Material (4)	Available Material (5)	Unexpanded Fill	Expanded Fill (6)	Mass Ordinate +/- (7)	Waste	Borrow	Comment:
			Cut (2)	EBS Excavation (3)				Factor 1.25		(item #208.0100)		
1	101+00 - 148+40	Shoulders	3160	0	0	3160	321	401	2759	2759	0	730 CY SUBTRACTED FOR MILLING VOLUME
Division 1 Subtotal			3160	0	0	3160	321	401	2759	2759	0	
2	148+40 - 192+50	STH 134	17628	0	1770	15858	4415	5519	10339	12109	0	Haul out 1102 CY to State Farm and Britzke
Reconstruct	62+50 - 65+52	State Farm	148	0	73	75	271	339	-264	-191	0	Haul in 191 CY from from STH 134
	70+25 - 73+25	Briztke Road	55	0	73	-18	773	966	-984	-911	0	Haul in 911 CY from STH 134
Division 2 Subtotal			17831	0	1916	15915	5459	6824	9091	11007	0	
3	192+50 - 249+00	Shoulders	3074	0		3074	115	144	2930	2930	0	815 CY SUBTRACTED FOR MILLING VOLUME
Division 3 Subtotal			3074	0	0	3074	115	144	2930	2930	0	
Grand Total			24065	0	1916	22149	5895	7369	14780	16696	0	
		Total Common Exc	24065									

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 in reconstruction area.
3) EBS Excavation to be backfilled with Select Borrow material. Note: this is designers choice, can be backfilled with Borrow, or Cut as well.
4) Salvaged/Unusable Pavement Material
5) Available Material = Cut - Salvaged/Unusuable Pavement Material
6) 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

7) 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.

ALL QUANTITIES ARE CATEGORY 0010.

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BASE AGGREGATE ITEMS AND GEOGRID

MAINLINE STATION	TO	STATION	LOCATION	305.0110 BASE AGGREGATE DENSE 3/4-INCH TONS	305.0120 BASE AGGREGATE DENSE 1 1/4-INCH TONS	312.0110 SELECT CRUSHED MATERIAL TON	645.0220 GEOGRID TYPE SR SY
101+00	-	109+00	LT	29	267	-	-
101+00	-	109+00	RT	25	226	-	-
109+00	-	113+00	LT	0	139	-	-
109+00	-	113+00	RT	0	139	-	-
113+00	-	114+00	LT	0	35	-	-
113+00	-	114+00	RT	0	35	-	-
114+00	-	116+50	LT	0	87	-	-
114+00	-	116+50	RT	9	87	-	-
116+50	-	147+65	LT	116	1085	-	-
116+50	-	147+65	RT	116	1085	-	-
147+65	-	148+40	LT	3	26	-	-
147+65	-	148+40	RT	0	26	-	-
148+40	-	149+66	LT	6	173	176	308
148+40	-	149+66	RT	0	172	206	308
149+66	-	150+50	LT	0	131	157	224
149+66	-	150+50	RT	0	137	137	224
150+50	-	152+80	LT	18	444	483	716
150+50	-	152+80	RT	9	310	322	486
152+80	-	154+25	LT	11	224	235	336
152+80	-	154+25	RT	6	200	203	306
154+25	-	163+50	LT	41	1225	1245	1877
154+25	-	163+50	RT	40	1275	1295	1953
163+50	-	168+50	LT	---	685	700	1056
163+50	-	168+50	RT	22	685	700	1056
168+50	-	184+50	LT	70	2205	2240	3378
168+50	-	184+50	RT	71	2205	2240	3378
184+50	-	186+00	LT	7	207	210	317
184+50	-	186+00	RT	12	249	245	400
186+00	-	187+22	LT	5	168	171	258
186+00	-	187+22	RT	9	236	256	380
187+22	-	187+95	LT	0	99	119	178
187+22	-	187+95	RT	6	141	153	227
187+95	-	191+50	LT	-	483	525	789
187+95	-	191+50	RT	-	483	525	789
191+50	-	192+50	LT	4	138	140	211
191+50	-	192+50	RT	4	138	140	211
192+50	-	249+00	LT	210	1968	-	-
192+50	-	249+00	RT	210	1968	-	-
62+50	-	65+53	LT	24	279	-	-
62+50	-	65+53	RT	26	301	-	-
70+24	-	73+25	LT	26	238	-	-
70+24	-	73+25	RT	21	221	-	-
	UNDISTRIBUTED			43	77	378	-
TOTALS				**1200**	**20700**	**13200**	**19362**

CONCRETE DRIVEWAY 6-INCH

STATION	LOCATION	416.0160 CONCRETE DRIVEWAY 6-INCH SY
148+00	RT	16
164+50	LT	11
188+90	LT	13
189+08	LT	13
190+90	LT	10
TOTALS		**63**

CONCRETE SURFACE DRAINS

STATION	LOCATION	416.1010 CONCRETE SURFACE DRAINS CY
109+00	LT	1.8
109+00	RT	1.8
114+00	RT	1.8
116+50	LT	1.8
150+50	RT	1.8
150+90	LT	1.8
168+50	LT	1.8
187+25	LT	1.8
70+60	LT	1.8
71+90	RT	1.8
TOTALS		**18.0**

ASPHALT ITEMS

MAINLINE STATION	TO	STATION	455.0605 TACK COAT GAL	460.4110.S REHEATING HMA PAVEMENT LONGITUDINAL JOINTS LF	460.5224 HMA PAVEMENT 4 LT 58-28 S TONS	465.0120 ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES TONS	REMARKS
101+00	-	148+40	516	9480	2925	-	
123+82	-	123+82	-	-	-	2	
125+10	-	125+10	-	-	-	3	
148+40	-	192+50	619	10020	4137	-	INCLUDES STATE FARM AND BRITZKE
155+30	-	155+30	-	-	-	26	
189+12	-	189+12	-	-	-	15	
190+86	-	190+86	-	-	-	3	
192+50	-	249+00	615	11300	3418	-	
194+42	-	194+42	-	-	-	3	
197+95	-	197+95	-	-	-	3	
216+29	-	216+29	-	-	-	9	
240+68	-	240+68	-	-	-	4	
TOTALS			**1750**	**30800**	**10480**	**63**	

ALL QUANTITIES ARE CATEGORY 0010.

CULVERT ITEMS

MAINLINE STATION	LOCATION	520.3312 CULVERT PIPE CLASS III-A 12-INCH LF	520.3318 CULVERT PIPE CLASS III-A 18-INCH LF	522.0324 CULVERT PIPE REINFORCED CONCRETE CLASS IV 24-INCH LF	520.1012 APRON ENDWALLS FOR CULVERT PIPE 12-INCH EACH	520.1018 APRON ENDWALLS FOR CULVERT PIPE 18-INCH EACH	521.1518 APRON ENDWALLS FOR CULVERT PIPE SLOPED SIDE DRAINS STEEL 18-INCH 6 TO 1 EACH	522.1024 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 24-INCH EACH	523.0119 CULVERT PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL CLASS HE-III 19X30-INCH LF	523.0429 CULVERT PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL CLASS HE-IV 29X45-INCH LF	523.0153 CULVERT PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL CLASS HE-III 53X83-INCH LF	523.0519 APRON ENDWALLS FOR CULVERT PIPE HORIZONTAL ELLIPTICAL 19X30-INCH EACH	523.0529 APRON ENDWALLS FOR CULVERT PIPE HORIZONTAL ELLIPTICAL 29X45-INCH EACH	523.0553 APRON ENDWALLS FOR CULVERT PIPE HORIZONTAL ELLIPTICAL 53X83-INCH EACH	633.5200 MARKERS CULVERT END EACH
MINIMUM WALL THICKNESS															
	STEEL	0.064	0.064												
	ALUMINUM	0.060	0.060												
122+25	MAINLINE	-	-	42	-	-	-	2	-	-	-	-	-	-	**2**
142+45	MAINLINE	-	-	-	-	-	-	-	-	42	-	-	2	-	2
158+50	MAINLINE	-	-	64	-	-	-	2	-	-	-	-	-	-	2
155+28, LT	DRIVEWAY	-	50	-	-	-	2	-	-	-	-	-	-	-	-
169+53	MAINLINE	-	-	-	-	-	-	-	56	-	-	2	-	-	2
180+51.50	MAINLINE	-	-	-	-	-	-	-	-	-	80	-	-	2	2
223+83	MAINLINE	-	-	39	-	-	-	2	-	-	-	-	-	-	2
164+53, RT	DRIVEWAY	-	56	-	-	-	2	-	-	-	-	-	-	-	-
171+50, RT	DRIVEWAY	-	52	-	-	-	2	-	-	-	-	-	-	-	-
171+50, LT	DRIVEWAY	-	52	-	-	-	2	-	-	-	-	-	-	-	-
64+21.2	STATE FARM	-	-	48	-	-	-	2	-	-	-	-	-	-	2
71+10B	BRITZKE DRIVEWAY	-	60	-	-	2	-	-	-	-	-	-	-	-	-
72+10B	BRITZKE DRIVEWAY	28	-	-	2	-	-	-	-	-	-	-	-	-	-
TOTALS		**28**	**270**	**193**	**2**	**2**	**8**	**8 ***	**56**	**42**	**80**	**2**	**2**	**2**	**14***

* ADDITIONAL QUANTITIES SHOWN IN DRAINAGE STRUCUTRES TABLE

CONCRETE CURB AND GUTTER ITEMS

LOCATION / DESCRIPITON STATION	TO	STATION	LOCATION	601.0557 CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE D LF
109+00	-	114+00	RT	500
109+00	-	112+57.6	LT	360
113+49	-	116+50	LT	226
147+65	-	150+50	RT	285
STATE FARM - SOUTHWEST QUADRANT				61
STATE FARM - NORTHWEST QUADRANT				90
163+50	-	168+50	LT	500
187+35	-	191+50	LT	415
BRITZKE ROAD - SOUTHEAST QUADRANT				96
188+77	-	191+50	RT	186
TOTALS				**2719**

STORM SEWER PIPE REINFORCED CONCRETE CLASS III SUMMARY

PIPE NUMBER	FROM	TO	ITEM NO. 608.0324 24-INCH L.F.	INVERT ELEVATION	DISCHARGE ELEVATION	PIPE SLOPE %	COMMENTS
P1	CB1	EW1	225	856.90	852.50	1.95%	
P2	MH1	CB1	192	863.08	857.00	3.17%	
P3	CB3	MH1	56	863.91	863.08	1.48%	
P4	CB2	MH1	18	863.31	863.08	1.28%	
TOTALS			**491**				

RIPRAP MEDIUM AND GEOTEXTILE FABRIC TYPE HR

STATION	LOCATION	ITEM NO. 606.0100 RIPRAP MEDIUM C.Y.	ITEM NO. 645.0120 GEOTEXTILE FABRIC TYPE HR S.Y.
187+00	LT	9	32
TOTALS		**9**	**32**

ALL QUANTITIES ARE CATEGORY 0010.

DRAINAGE STRUCTURES

STRUCTURE NUMBER	STATION	OFFSET	STRUCTURE	TYPE	COVER TYPE	RIM OR RIM/FLANGE ELEVATION	STRUCTURE INVERT ELEVATION	DEPTH	REMARKS
EW1	187+19	33' LT	ENDWALL	24-INCH	---	---	---		
CB1	189+50	17' LT	CB	4' DIA	HM	863.32	854.90	9.25	MODIFY FLAT TOP SLAB TO ACCOMMODATE HM CASTING
CB2	191+60.6	29.6' LT	CB	4' DIA	C	869.25	863.31	6.47	MODIFY FLAT TOP SLAB TO ACCOMMODATE C CASTING
CB3	191+63.5	28.8' RT	CB	4' DIA	C	869.45	863.91	6.07	MODIFY FLAT TOP SLAB TO ACCOMMODATE C CASTING
MH1	191+43	23.4' LT	MH	4' DIA	J	870.60	863.08	8.13	---

DEPTH OF STRUCTURE IS GUTTER FLANGE OR RIM ELEVATION MINUS THE DEPTH OF FRAME AND RINGS MINUS THE FLOWLINE PLUS 2' SUMP. ELEVATION.

DEPTH FOR FRAME AND RINGS FOR:
TYPE J = 1.39' (INCLUDES 0.64' FOR ADJUSTING RINGS.)
TYPE HM = 1.17' (INCLUDES 0.64' FOR ADJUSTING RINGS.)
TYPE C = 1.47' (INCLUDES 0.64' FOR ADJUSTING RINGS.)

DRAINAGE STRUCTURE SUMMARY TABLE

ITEM NO.	DESCRIPTION	EACH
522.1024 *	APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 24-INCH *	1 *
611.0530	MANHOLE COVERS TYPE J	1
611.0627	INLET COVERS TYPE HM	1
611.0612	INLET COVERS TYPE C	2
611.2004	MANHOLES 4-FT DIAMETER	1
611.1104	CATCH BASINS 4-FT DIAMETER	3
633.5200 *	MARKERS CULVERT END *	1 *

* ADDITIONAL QUANTITIES SHOWN IN CULVERT PIPE TABLE

SALVAGED TOPSOIL, SEED, FERTILZER, E-MAT AND MULCH

LIMITS FROM	LIMITS TO	LOCATION	ITEM NO. 625.0500 SAVLAGED TOPSOIL S.Y.	ITEM NO. 627.0200 MULCHING S.Y.	ITEM NO. 628.2023 EROSION MAT CLASS II TYPE B S.Y.	ITEM NO. 629.0210 FERTILIZER TYPE B CWT	ITEM NO. 630.0120 SEEDING MIXTURE NO. 20 LB
SOUTH PROJECT LIMIT	BUCKINGHAM CT	STH 134, LT	287	287	---	0.2	5
BUCKINGHAM CT	WOODHAVEN CT	STH 134, LT	1406	1406	---	0.9	25
WOODHAVEN CT	STATE FARM	STH 134, LT	2483	2483	---	1.6	45
STATE FARM	STRUCTURE	STH 134, LT	9620	9620	---	6.1	173
STRUCTURE	BRIZTKE RD	STH 134, LT	2744	817	1927	1.7	15
BRITZKE RD	MUNSON RD	STH 134, LT	1686	1363	323	1.1	25
MUNSON RD	MAIN ST	STH 134, LT	2376	2376	---	1.5	43
SOUTH PROJECT LIMIT	BUCKINGHAM CT	STH 134, RT	162	162	---	0.1	3
BUCKINGHAM CT	WOODHAVEN CT	STH 134, RT	353	353	---	0.2	6
WOODHAVEN CT	STATE FARM	STH 134, RT	2458	2458	---	1.5	44
STATE FARM	STRUCTURE	STH 134, RT	8585	8585	---	5.4	155
STRUCTURE	BRIZTKE RD	STH 134, RT	5205	699	4506	3.3	13
BRITZKE RD	MUNSON RD	STH 134, RT	1843	1654	189	1.2	30
MUNSON RD	MAIN ST	STH 134, RT	2072	2072	---	1.3	37
PROJECT LIMIT	STH 134	STATE FARM RD	1351	1351	---	0.9	24
STH 134	PROJECT LIMIT	BRITZKE RD	1212	1212	---	0.8	22
UNDISTRIBUTED	25%		10957	9202	1754	6.9	166
TOTALS			**54800**	**46100**	**8700**	**34.5**	**830**

ALL QUANTITIES ARE CATEGORY 0010.

TEMPORARY EROSION CONTROL

LOCATION			ITEM NO. 628.1104 EROSION BALES EACH	ITEM NO. 628.1504 SILT FENCE L.F.	ITEM NO. 628.1520 SILT FENCE MAINTENANCE L.F.	ITEM NO. 628.7005 INLET PROTECTION TYPE A EACH	ITEM NO. 628.7015 INLET PROTECTION TYPE C EACH	ITEM NO. 628.7504 TEMPORARY DITCH CHECKS LF	ITEM NO. 628.7555 CULVERT PIPE CHECKS EACH
SOUTH PROJECT LIMIT	BUCKINGHAM CT	STH 134, LT	---	150	150	---	---	---	---
BUCKINGHAM CT	WOODHAVEN CT	STH 134, LT	---	200	200	---	---	8	---
WOODHAVEN CT	STATE FARM	STH 134, LT	16	1600	1600	---	---	32	15
STATE FARM	STRUCTURE	STH 134, LT	16	3000	3000	---	---	96	2
STRUCTURE	BRIZTKE RD	STH 134, LT	8	65	65	---	---	32	---
BRITZKE RD	MUNSON RD	STH 134, LT	---	175	175	2	2	32	6
MUNSON RD	MAIN ST	STH 134, LT	---	300	300	---	---	24	9
SOUTH PROJECT LIMIT	BUCKINGHAM CT	STH 134, RT	---	---	---	---	---	---	---
BUCKINGHAM CT	WOODHAVEN CT	STH 134, RT	---	---	---	---	---	8	---
WOODHAVEN CT	STATE FARM	STH 134, RT	16	600	600	---	---	32	---
STATE FARM	STRUCTURE	STH 134, RT	16	275	275	---	---	112	10
STRUCTURE	BRIZTKE RD	STH 134, RT	8	65	65	---	---	48	---
BRITZKE RD	MUNSON RD	STH 134, RT	---	---	---	1	1	32	4
MUNSON RD	MAIN ST	STH 134, RT	16	700	700	---	---	16	4
PROJECT LIMIT	STH 134	STATE FARM RD	16	---	---	---	---	24	3
STH 134	PROJECT LIMIT	BRITZKE RD	---	700	700	---	---	8	4
UNDISTRIBUTED	25%		28	1950	1950	---	---	126	18
TOTALS			**140**	**9780**	**9780**	**3**	**3**	**630**	**75**

TRAFFIC CONTROL DETOUR ITEMS

LOCATION	DAYS IN SERVICE	ITEM NO. 643.0300 TRAFFIC CONTROL DRUMS * NO.	ITEM NO. 643.0300 TRAFFIC CONTROL DRUMS * DAYS	ITEM NO. 643.0920 TRAFFIC CONTROL COVERING SIGNS TYPE II EACH	ITEM NO. 643.1050 TRAFFIC CONTROL SIGNS PCMS NO.	ITEM NO. 643.1050 TRAFFIC CONTROL SIGNS PCMS DAYS	ITEM NO. 643.3000 TRAFFIC CONTROL DETOUR SIGNS NO.	ITEM NO. 643.3000 TRAFFIC CONTROL DETOUR SIGNS EACH
DETOUR ROUTE	86	8	160	12	2	20	200	17,200
UNDISTRIBUTED	---	---	40	---	---	0	---	100
PROJECT TOTALS			**200**	**12**		**20**		**17,300**

* = ADDITIONAL QUANTITIES SHOWN IN TRAFFIC CONTROL TABLE.

TRAFFIC CONTROL ITEMS

LOCATION	DAYS IN SERVICE	ITEM 643.0200.S TRAFFIC CONTROL SURVEILLANCE AND MAINTENANCE NO.	ITEM NO. 643.0300 TRAFFIC CONTROL DRUMS * NO.	ITEM NO. 643.0300 TRAFFIC CONTROL DRUMS * DAYS	ITEM NO. 643.0420 TRAFFIC CONTROL BARRICADES TYPE III NO.	ITEM NO. 643.0420 TRAFFIC CONTROL BARRICADES TYPE III DAYS	ITEM NO. 643.0900 TRAFFIC CONTROL SIGNS NO.	ITEM NO. 643.0900 TRAFFIC CONTROL SIGNS DAYS	ITEM NO. 643.0705 TRAFFIC CONTROL WARNING LIGHTS TYPE A NO.	ITEM NO. 643.0705 TRAFFIC CONTROL WARNING LIGHTS TYPE A DAYS	ITEM NO. 643.0715 TRAFFIC CONTROL WARNING LIGHTS TYPE C NO.	ITEM NO. 643.0715 TRAFFIC CONTROL WARNING LIGHTS TYPE C DAYS
ADVANCED WARNING - MAINLINE	86	---	0	0	0	0	10	860	0	0	0	0
ADVANCED WARNING - SIDEROADS	86	---	0	0	0	0	64	5,504	0	0	0	0
SOUTH RESURFACE	86	---	80	6,880	4	344	8	688	8	688	10	860
RECONSTRUCTION	86	---	70	6,020	20	1,720	0	0	30	2,580	20	1,720
NORTH RESURFACE	86	---	80	6,880	4	344	8	688	8	688	10	860
UNDISTRIBUTED	86	86	---	220	---	92	---	260	---	260	---	60
PROJECT TOTALS		**86**		**20,000**		**2,500**		**8,000**		**4,216**		**3,500**

* = ADDITIONAL QUANTITIES SHOWN IN TRAFFIC CONTROL DETOUR TABLE.

ALL QUANTITIES ARE CATEGORY 0010.

3

3

ERECTION & REMOVAL OF PERMANENT SIGNING, TYPE II

SIGN NO.	LOCATION	SIGN CODE	W X H	637.2210 SIGNS TYPE II REFLECTIVE H S.F.	637.2230 SIGNS TYPE II REFLECTIVE F S.F.	634.0614 POSTS WOOD 4x6x14 EACH	634.0616 POSTS WOOD 4x6x16 EACH	634.0620 POSTS WOOD 4x6x20 EACH	638.2602 REMOVING SIGNS TYPE II EACH	638.3000 REMOVING SMALL SIGN SUPPORTS EACH	REMARKS
1	100+77, LT	R1-1	36" X 36"	7.46	--	1	---	---	1	1	
2	100+77, LT	JV3-2	96" X 57"	38.00	---	---	---	2	1	2	EXISTING SIGN AT STA. 101+70
3	102+25, RT	J4-1	24" X 36"	6.00	---	1	---	---	1	1	
4	103+92, RT	R1-1	30" X 30"	5.18	---	1	---	---	1	1	
5	108+25, LT	J2-4	96" X 57"	38.00	---	---	---	2	---	---	
6	104+25, RT	W1-6	48" X 24"	---	8.00	1	---	---	1	1	
7	BLANK										
8	106+50, RT	D2-1	60" X 15"	6.25	---	---	2	---	1	1	LONDON 3
9	109+00, LT	W3-1	36" X 36"	---	9.00	---	1	---	1	1	
10	104+20, RT	F2-1	24" X 30"	5.00	---	1	---	---	1	1	
11	111+00, LT	J1-3	72" X 39"	19.50	---	---	2	---	1	2	
12	112+80, LT	R1-1	30" X 30"	5.18	---	1	---	---	1	1	
13	114+15, LT	W1-1R	36" X 36"	---	9.00	---	1	---	1	1	
	114+15, LT	W13-1	24" X 24"	---	4.00	---	---	---	---	---	MOUNT UNDER SIGN W1-1R
14	119+55, RT	R1-1	30" 30"	5.18	---	1	---	---	1	1	
15	134+50, RT	W14-3	48" X 36"	---	6.00	1	---	---	1	1	
16	137+25. LT	W14-3	48" X 36"	---	6.00	1	---	---	1	1	
17	148+70, RT	---	--- X ---	---	---	---	---	---	1	1	
18	149+95, LT	R1-1	30" X 30"	5.18	---	1	---	---	1	1	
19	152+90, LT	---	--- X ---	---	---	---	---	---	1	1	
20	152+90, LT	---	--- X ---	---	---	---	---	---	---	---	ON SAME POST AS SIGN 19
21	153+50, LT	---	--- X ---	---	---	---	---	---	1	1	
22	153+50, LT	---	--- X ---	---	---	---	---	---	---	---	ON SAME POST AS SIGN 21
23	154+10, LT	---	--- x ---	---	---	---	---	---	1	1	
24	154+10, LT	---	--- X ---	---	---	---	---	---	---	---	ON SAME POST AS SIGN 23
25	154+90, LT	---	--- X ---	---	---	---	---	---	1	1	
26	154+90, LT	---	--- X ---	---	---	---	---	---	---	---	ON SAME POST AS SIGN 25
27	155+80, LT	---	--- X ---	---	---	---	---	---	1	1	
28	155+80, LT	---	--- x ---	---	---	---	---	---	---	---	ON SAME POST AS SIGN 27
29	161+05, LT	---	--- X ---	---	---	---	---	---	1	1	
30	165+80, RT	W14-3	48" X 36"	---	6.00	1	---	---	1	1	
31	174+65, LT	W14-3	48" X 36"	---	6.00	1	---	---	1	1	
32	179+20, RT	---	--- X ---	---	---	---	---	---	1	1	
33	180+40, RT	---	--- x ---	---	---	---	---	---	1	1	
34	180+40, LT	---	--- X ---	---	---	---	---	---	1	1	
35	180+55, RT	---	--- X ---	---	---	---	---	---	1	1	
36	180+55, RT	---	--- X ---	---	---	---	---	---	1	1	
37	184+10, RT	---	--- X ---	---	---	---	---	---	1	1	ON SAME POST AS SIGN 37
38	184+10, RT	---	--- x ---	---	---	---	---	---	---	---	
39	184+90, RT	---	--- X ---	---	---	---	---	---	1	1	ON SAME POST AS SIGN 39
40	184+90, RT	---	--- X ---	---	---	---	---	---	---	---	
	PAGE SUBTOTALS			140.93	54.00	12	6	4	31	33	

CONTINUED ON NEXT PAGE

ALL QUANTITIES ARE CATEGORY 0010.

ERECTION & REMOVAL OF PERMANENT SIGNING, TYPE II, CONTINUED FROM PREVIOUS PAGE

SIGN NO.	LOCATION	SIGN CODE	W X H	637.2210 SIGNS TYPE II REFLECTIVE H S.F.	637.2230 SIGNS TYPE II REFLECTIVE F S.F.	634.0614 POSTS WOOD 4x6x14 EACH	634.0616 POSTS WOOD 4x6x16 EACH	634.0620 POSTS WOOD 4x6x20 EACH	638.2602 REMOVING SIGNS TYPE II EACH	638.3000 REMOVING SMALL SIGN SUPPORTS EACH	REMARKS
41	185+10, RT	---	--- X ---	---	---	---	---	---	1	1	
42	185+10, RT	---	--- X ---	---	---	---	---	---	---	---	ON SAME POST AS SIGN 41
43	185+90, RT	---	--- X ---	---	---	---	---	---	1	1	
44	185+90, RT	---	--- x ---	---	---	---	---	---	---	---	ON SAME POST AS SIGN 43
45	186+15, RT	---	--- X ---	---	---	---	---	---	1	1	
46	186+15, RT	---	--- X ---	---	---	---	---	---	---	---	ON SAME POST AS SIGN 45
47	189+00, RT	R1-1	30" X 30"	5.18	---	1	---	---	1	1	
49	191+95, LT	---	--- X ---	---	---	---	---	---	1	1	
50	197+85, RT	W2-2	30" X 30"	---	6.25	1	---	---	1	1	
51	209+55, RT	W14-3	48" X 36"	---	6.00	1	---	---	1	1	
52	BLANK		X								
53	215+30, RT	I2-2	72" X 15"	7.50	---	---	2	---	1	1	
54	215+30, LT	I2-2	48" X 15"	5.00	---	---	2	---	1	1	
55	216+10, LT	R1-1	30" X 30"	5.18	---	1	---	---	1	1	
56	BLANK		X								
57	230+00, RT	W3-5	36" X 36"	---	9.00	---	1	---	1	1	EXISTING SIGN AT Sta. 224+30
58	229+10, LT	---	--- X ---	---	---	---	---	---	1	1	
59	229+60, LT	W14-3	48" X 36"	---	6.00	1	---	---	1	1	
60	233+10, LT	D2-1	78" X 15"	8.13	---	---	2	---	1	2	
61	235+50, LT	R2-1	24" X 30"	5.00	---	1	---	---	1	1	
62	235+50, RT	R2-1	24" X 30"	5.00	---	1	---	---	1	1	
63	237+30, RT	I2-3U	54" X 24"	9.00	---	---	2	---	1	1	
64	240+85, RT	J1-2	48" X 39"	13.00	---	1	---	---	1	1	
65	242+80, RT	R2-1	24" X 30"	5.00	---	1	---	---	1	1	
66	248+00, LT	R2-1	24" X 30"	5.00	---	1	---	---	1	1	EXISTING SIGN AT STA. 245+80
67	248+25, LT	R1-1	30" X 30"	5.18	---	1	---	---	1	1	
68	248+80. RT	R1-1	30" X 30"	5.18	---	1	---	---	1	1	
69	245+70, LT	J4-1	24" X 36"	6.00	---	1	---	---	1	1	
70	246+90, RT	W11-15	30" X 30"	---	6.25	1	---	---	1	1	
	246+90, RT	W16-9P	24" X 12"	---	2.00	---	---	---	---	---	MOUNT UNDER W11-15
71	248+10, RT	J2-1	24" X 39"	6.50	---	1	---	---	1	1	
72	256+50, LT	J1-2	48" X 39"	13.00	---	1	---	---	---	---	
73	252+00, LT	J4-1	24" x 57"	9.50	---	---	---	1	---	---	
74	250+20, RT	W11-15	30" x 30"	---	6.25	1	---	---	---	---	
	250+20, RT	W16-7L	24" x 12"	---	2.00	---	---	---	---	---	MOUNT UNDER W11-15
75	250+60, LT	W11-15	30" x 30"	---	6.25	1	---	---	---	---	
	250+60, LT	W16-7L	24" X 12"	---	2.00	---	---	---	---	---	MOUNT UNDER W11-15
76	253+50, LT	W11-15	30" X 30"	---	6.25	1	---	---	---	---	
	253+50, LT	W16-9P	24" X 12"	---	2.00	---	---	---	---	---	MOUNT UNDER W11-15
	PAGE SUBTOTALS			**118.35**	**60.25**	**19.00**	**9.00**	**1.00**	**25**	**26**	
	PROJECT TOTALS			**259.28**	**114.25**	**31**	**15**	**5**	**56**	**59**	

ALL QUANTITIES ARE CATEGORY 0010.

3

PAVEMENT MARKING ITEMS

START STATION	END STATION	646.0106 PAVEMENT MARKING EPOXY 4-INCH YELLOW LF	646.0106 PAVEMENT MARKING EPOXY 4-INCH WHITE LF	646.0126 PAVEMENT MARKING EPOXY 8-INCH WHITE LF	647.0566 PAVEMENT MARKING STOP LINE EPOXY 18-INCH LF	REMARKS
101+00	123+50	4500	4057	---	20	
123+50	134+50	1375	2200	---	---	
134+50	137+24	69	548	---	---	
137+24	148+39	1394	2230	---	---	
148+39	155+00	1322	1196	194	20	
155+00	165+80	1350	2160	---	---	
165+80	174+65	222	1770	---	---	
174+65	185+20	1319	2111	---	---	
185+20	198+45	2650	2495	198	---	
198+45	209+55	1389	2224	---	---	
209+55	229+60	502	3914	---	---	
229+60	240+60	1375	2200	---	---	
240+60	251+00	1682	1498	---	---	
TOTALS		**19149**	**28603**	**392**	**40**	
		47752				

SAWING ASPHALT - 690.0150

STATION	LF	REMARKS
101+00.00	31	START OF PROJECT
103+53.00	64	BUCKINGHAM CT
112+99.00	32	WOODHAVEN CT
119+38.00	31	LAGOON RD
149+99.00	22	STATE FARM RD
187+86.00	20	BRITZKE RD
216+28.00	35	MUNSON RD
248+51.00	34	MAIN ST
248+57.00	45	MAIN ST
249+00.00	32	END OF PROJECT
TOTAL	**346**	

LANDMARK REFERENCE MONUMENTS, ITEM NO. 621.0100

LOCATION Y	LOCATION X	DESCRIPTION	EACH
464,418.16	917,959.83	T7N R12E, SECTION 36/1	5
467,097.72	920,667.86	T7N R12E, SECTION 36/31	5
469,761.73	920,726.70	T7N R12E, SECTION 25-30/36-31	5
TOTAL			**15**

TEMPORARY PAVEMENT MARKING PAINT 4-INCH

START STATION	END STATION		649.0402 TEMPORARY PAVEMENT MARKING PAINT 4-INCH LF
101+00	249+00	CENTERLINE SKIPS	1850
TOTAL			1850

CONSTRUCTION STAKING

LOCATION	650.4000 STORM SEWER EACH	650.4500 SUBGRADE LF	650.5000 BASE LF	650.5500 CURB GUTTER AND CURB & GUTTER LF	650.6000 PIPE CULVERTS EACH	650.8000 RESURFACING REFERENCE LF	650.9910 SUPPLEMENTAL CONTROL PROJECT 3671-00-71 LS	650.9920 SLOPE STAKES LF
	CONSTRUCTION STAKING							
PROJECT	5	5014	4410	2544	9	10390	1	5014

ALL QUANTITIES ARE CATEGORY 0010.

TRANSPORTATION PROJECT PLAT NO: 3671-00-21 - 4.01

PART OF LOT 1, CERTIFIED SURVEY MAP NUMBER 12591, AS RECORDED IN VOLUME 79, PAGE 99, AS DOCUMENT NUMBER 4485144, BEING A PART OF THE NORTHWEST QUARTER OF THE NORTHEAST QUARTER AND PART OF THE NORTHEAST QUARTER OF THE NORTHWEST QUARTER OF SECTION 1, TOWNSHIP 06 NORTH, RANGE 12 EAST, TOWN OF CHRISTIANA, ALSO THAT PART OF THE SOUTHWEST QUARTER OF THE SOUTHEAST QUARTER, AND PART OF THE SOUTHEAST QUARTER OF THE SOUTHWEST QUARTER OF SECTION 36, TOWNSHIP 07 NORTH, RANGE 12 EAST, TOWN OF DEERFIELD, DANE COUNTY, WISCONSIN.

RELOCATION ORDER STH 134 CAMBRIDGE - LONDON (USH 12 TO CTH O)

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND AQUIRE CERTAIN LANDS AND INTEREST OR RIGHTS IN LANDS FOR THE ABOVE NAMED PROJECT.
TO EFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3), 84.09 AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:

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

CONVENTIONAL ABBREVIATIONS

ACCESS RIGHTS	AR	POINT OF COMPOUND CURVE	PCC
ACRES	AC	POINT OF INTERSECTION	PI
AHEAD	AH	PROPERTY LINE	PL
ALUMINUM	ALUM	RECORDED AS	(100')
AND OTHERS	ET AL	REFERENCE LINE	R/L
BACK	BK	REMAINING	REM
BLOCK	BLK	RIGHT	RT
CENTERLINE	C/L	RIGHT OF WAY	R/W
CERTIFIED SURVEY MAP	CSM	SECTION	SEC
CONCRETE	CONC	SEPTIC VENT	SEPV
COUNTY	CO	SQUARE FEET	SF
COUNTY TRUNK HIGHWAY	CTH	STATE TRUNK HIGHWAY	STH
DISTANCE	DIST	STATION	STA
CORNER	COR	SUBDIVISION	SUBD
DOCUMENT NUMBER	DOC	TANGENT	TAN
EASEMENT	EASE	TELEPHONE PEDESTAL	TP
EXISTING	EX	TEMPORARY LIMITED EASEMENT	TLE
GAS VALVE	GV	TRANSPORTATION PROJECT PLAT	TPP
GRID NORTH	GN	UNITED STATES HIGHWAY	USH
HIGHWAY EASEMENT	HE	VOLUME	V
IDENTIFICATION	ID		
LAND CONTRACT	LC		
LEFT	LT		
MONUMENT	MON		
NATIONAL GEODETIC SURVEY NUMBER	NGS NO		
OUTLOT	OL		
PAGE	P		
POINT OF TANGENCY	PT		
PERMANENT LIMITED EASEMENT	PLE		
POINT OF BEGINNING	POB		
POINT OF CURVATURE	PC		

CURVE DATA

CHORD LENGTH	LC
LONG CHORD BEARING	LCB
RADIUS	R
DEGREE OF CURVE	D
CENTRAL ANGLE OR DELTA	Δ
LENGTH OF CURVE	L
TANGENT	T
DIRECTION AHEAD	DA
DIRECTION BACK	DB

CONVENTIONAL SYMBOLS

SECTION LINE
QUARTER LINE
SIXTEENTH LINE
NEW REFERENCE LINE
NEW R/W LINE
EXISTING R/W LINE
PROPERTY LINE
LOT, TIE & OTHER MINOR LINES
CORPORATE LIMITS
UNDERGROUND FACILITY (COMMUNICATIONS, ELECTRIC, ETC)
FEE ACQUISITION AREA (HATCHING VARIES BY OWNER)
TEMPORARY LIMITED EASEMENT AREA
EASEMENT AREA (HIGHWAY, PERMANENT LIMITED, OR RESTRICTED DEVELOPMENT)
TRANSMISSION STRUCTURES
BUILDING
NATIONAL GEODETIC SURVEY MONUMENT
SIXTEENTH CORNER MONUMENT
SECTION CORNER
NOTATION FOR COMBUSTABLE FLUIDS
NOTATION FOR HIGH VOLTAGE TRANSMISSION LINES
ELECTRIC POLE
TELEPHONE POLE
PEDESTAL (LABEL TYPE) (TV, TEL, ELEC, ETC.)
BRIDGE
R/W MONUMENT
NON-MONUMENTED R/W POINT
FOUND IRON PIN
VALVE (GAS, WATER, ETC.)
SIGN
OFF-PREMISE SIGN
ACCESS RESTRICTED BY ACQUISITION
NO ACCESS (BY STATUTORY AUTHORITY)
ACCESS RESTRICTED (BY PREVIOUS PROJECT OR CONTROL)
PARCEL NUMBER
UTILITY NUMBER

SCHEDULE OF LANDS & INTERESTS REQUIRED

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

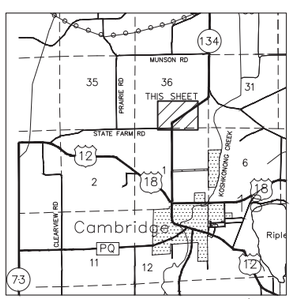
PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	R/W ACRES REQUIRED NEW	EXISTING	TOTAL	TLE ACRES
1	DALE STENJEM	FEE	0.129	0.257	0.386	--
2	CORY AND BROOK STENJEM	FEE	0.003	--	0.003	--
3	JON E. HOLTZMAN REVOCABLE LIVING TRUST	FEE	2.374	2.770	5.144	--
4	JOHN RAYMOND	FEE	0.161	0.255	0.416	--

ALL AREAS SHOWN IN ACRES UNLESS OTHERWISE NOTED

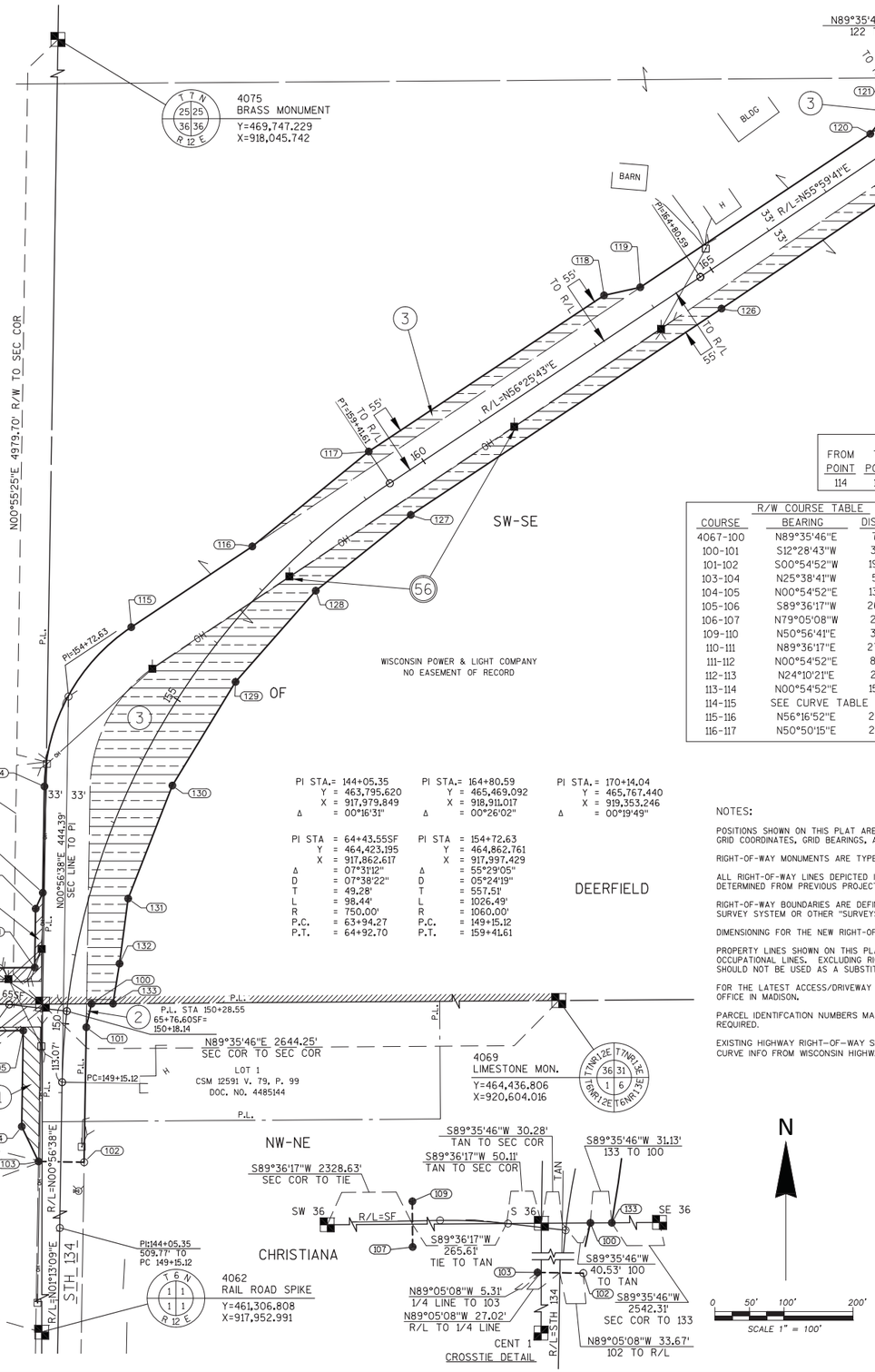
UTILITY SCHEDULE & INTERESTS REQUIRED

UTILITY NUMBER	UTILITY OWNER(S)	INTEREST REQUIRED
56	ALLIANT ENERGY CORP.	RELEASE OF RIGHTS

R-12-E R-13-E



VICINITY MAP NOT TO SCALE



PI STA.= 144+05.35	PI STA.= 164+80.59	PI STA.= 170+14.04
Y = 463,795.620	Y = 465,469.092	Y = 465,767.440
X = 917,979.849	X = 918,911.017	X = 919,353.246
Δ = 00°16'31"	Δ = 00°26'02"	Δ = 00°19'49"

PI STA = 64+43.55SF	PI STA = 154+72.63
Y = 464,423.195	Y = 464,862.761
X = 917,862.617	X = 917,997.429
Δ = 07°31'12"	Δ = 55°29'05"
D = 07°38'22"	D = 05°24'19"
T = 49.28'	T = 557.51'
L = 98.44'	L = 1026.49'
R = 750.00'	R = 1060.00'
P.C. = 63+94.27	P.C. = 149+15.12
P.T. = 64+92.70	P.T. = 159+41.61

R/W CURVE TABLE

FROM POINT	TO POINT	RADIUS	ARC LENGTH	CHORD BEARING	CHORD LENGTH
114	115	282.10'	272.61'	N28°35'52"E	262.12'

R/W COURSE TABLE

COURSE	BEARING	DISTANCE
4067-100	N89°35'46"E	70.81'
100-101	S12°28'43"W	34.76'
101-102	S00°54'52"W	195.05'
103-104	N25°38'41"W	55.91'
104-105	N00°54'52"E	138.83'
105-106	S89°36'17"W	262.66'
106-107	N79°05'08"W	25.50'
109-110	N50°56'41"E	32.02'
110-111	N89°36'17"E	279.75'
111-112	N00°54'52"E	85.00'
112-113	N24°10'21"E	25.32'
113-114	N00°54'52"E	153.62'
114-115	SEE CURVE TABLE	
115-116	N56°16'52"E	210.32'
116-117	N50°50'15"E	217.27'

R/W COURSE TABLE

COURSE	BEARING	DISTANCE
117-118	N56°25'43"E	408.39'
118-119	N77°40'02"E	53.64'
119-120	N56°16'52"E	399.73'
120-121	N38°26'04"E	52.44'
121-122	N55°59'41"E	72.13'
124-125	S56°19'30"W	66.86'
125-126	S55°59'41"W	533.51'
126-127	S56°25'43"W	539.18'
127-128	S51°24'46"W	175.74'
128-129	S41°23'16"W	175.50'
129-130	S31°22'11"W	175.50'
130-131	S21°21'05"W	175.50'
131-132	S07°35'36"W	94.83'
132-133	S09°15'07"W	58.53'
133-100	S89°35'46"W	31.13'

R/W POINT STATION & OFFSET TABLE

POINT#	STATION	OFFSET
100	150+33.18	34.16'
101	149+97.53	30.46'
102	148+00.03	33.67'
103	148+00.00	32.33'
104	148+50.00	57.36'
105	65+17.29SF	35.07'
106	62+49.56SF	41.63'
107	62+24.61SF	36.37'
109	62+25.32SF	29.63'
110	62+50.53SF	49.36'
111	150+72.67	54.77'
112	151+51.56	70.53'
113	151+75.00	66.21'
114	153+10.01	113.07'
115	155+47.31	113.55'
116	157+34.74	55.00'
117	159+41.61	55.00'
118	163+50.00	55.00'
119	164+00.00	35.57'
120	168+00.00	34.18'
121	168+50.00	50.00'
122	169+22.13	50.00'
124	170+81.06	55.00'
125	170+13.89	55.00'
126	164+80.38 (BK)	55.00'
127	159+41.61	55.00'
128	157+56.02	55.00'
129	155+70.68	55.00'
130	153+85.34	55.00'
131	152+00.00	55.00'
132	151+00.00	65.00'
133	150+37.64	65.00'

0 50' 100' 200'
SCALE 1" = 100'

NOTES:

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COUNTY COORDINATES, DANE COUNTY, NAD 83(1991) IN U.S. SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

RIGHT-OF-WAY MONUMENTS ARE TYPE 2 AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

ALL RIGHT-OF-WAY LINES DEPICTED IN THE NON-ACQUISITION AREAS ARE INTENDED TO RE-ESTABLISH EXISTING RIGHT-OF-WAY LINES AS DETERMINED FROM PREVIOUS PROJECTS, OTHER RECORDED DOCUMENTS, OR FROM CENTERLINE OF EXISTING PAVEMENTS.

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

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

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

FOR THE LATEST ACCESS/DRIVEWAY INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION REGIONAL OFFICE IN MADISON.

PARCEL IDENTIFCATION NUMBERS MAY NOT POINT TO ALL AREAS OF ACQUISITION, AS NOTED ON THE SCHEDULE OF LANDS & INTERESTS REQUIRED.

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE: EXISTING CENTERLINE OF PAVEMENT, CURVE INFO FROM WISCONSIN HIGHWAY COMMISSION PLAN #10543 DATED 3/19/1923 AND CSM# 12591.

JSD Professional Services, Inc.
• Engineers • Surveyors • Planners

I, MICHAEL J. PIERING REGISTERED LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE DEPARTMENT, I HAVE SURVEYED AND MAPPED TRANSPORTATION PROJECT PLAT 3671-00-21 – 4.01 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

(SIGNATURE) Michael D Piering DATE 1/29/15
(PRINTED NAME) Michael J. Piering
(REGISTRATION NUMBER) S-2521
THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION
(SIGNATURE) David R Miller DATE 2/4/15
(PRINTED NAME) David R. Mi

WISCONSIN MICHAEL J. PIERING S-2521 MILWAUKEE WIS. LAND SURVEYOR

KRISTI CHLEBOWSKI
DANE COUNTY
REGISTER OF DEEDS
DOCUMENT #5127716
02/06/2015 09:05 AM
TRANS. FEE:
EXEMPT #:
REC. FEE: 25.00
PAGES: 1
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RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 3671-00-21-4.01
AMENDMENT NO:___

TRANSPORTATION PROJECT PLAT NO: 3671-00-21 - 4.02 AMENDMENT NO: 1

AMENDS PARCEL NO: 7 AND ADDS PARCEL NO: 5, CHANGES PARCEL NO: 6 TO PARCEL NO: 11 OF TRANSPORTATION PROJECT PLAT 3671-00-21-4.02 RECORDED AS DOCUMENT NO: 5127718

PART OF LOT 1, CERTIFIED SURVEY MAP NUMBER 5436, AS RECORDED IN VOLUME 24, PAGES 392-393, AS DOCUMENT NUMBER 2059511, ALSO THAT PART OF THE SOUTHEAST QUARTER OF THE NORTHEAST QUARTER, PART OF THE NORTHEAST QUARTER OF THE SOUTHEAST QUARTER, PART OF THE NORTHWEST QUARTER OF THE SOUTHEAST QUARTER OF SECTION 36, TOWNSHIP 07 NORTH, RANGE 12 EAST, TOWN OF DEERFIELD, DANE COUNTY, WISCONSIN.

RELOCATION ORDER STH 134 CAMBRIDGE - LONDON (USH 12 TO CTH O)

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND AQUIRE CERTAIN LANDS AND INTEREST OR RIGHTS IN LANDS FOR THE ABOVE NAMED PROJECT.
TO EFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3), 84.09 AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:

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

CONVENTIONAL ABBREVIATIONS

ACCESS RIGHTS	AR	POINT OF COMPOUND CURVE	PCC
ACRES	AC	POINT OF INTERSECTION	PI
AHEAD	AH	PROPERTY LINE	PL
ALUMINUM	ALUM	RECORDED AS	(100')
AND OTHERS	ET AL	REFERENCE LINE	R/L
BACK	BK	REMAINING	REM
BLOCK	BLK	RIGHT	RT
CENTERLINE	C/L	RIGHT OF WAY	R/W
CERTIFIED SURVEY MAP	CSM	SECTION	SEC
CONCRETE	CONC	SEPTIC VENT	SEPV
COUNTY	CO	SQUARE FEET	SF
COUNTY TRUNK HIGHWAY	CTH	STATE TRUNK HIGHWAY	STH
DISTANCE	DIST	STATION	STA
CORNER	COR	SUBDIVISION	SUBD
DOCUMENT NUMBER	DOC	TANGENT	TAN
EASEMENT	EASE	TELEPHONE PEDESTAL	TP
EXISTING	EX	TEMPORARY LIMITED EASEMENT	TLE
GAS VALVE	GV	TRANSPORTATION PROJECT PLAT	TPP
GRID NORTH	GN	UNITED STATES HIGHWAY	USH
HIGHWAY EASEMENT	HE	VOLUME	V
IDENTIFICATION	ID		
LAND CONTRACT	LC		
LEFT	LT		
MONUMENT	MON		
NATIONAL GEODETIC SURVEY NUMBER	NGS NO		
OUTLOT	OL		
PAGE	P		
POINT OF TANGENCY	PT		
PERMANENT LIMITED EASEMENT	PLE		
POINT OF BEGINNING	POB		
POINT OF CURVATURE	PC		

CURVE DATA

CHORD LENGTH	LC
LONG CHORD BEARING	LCB
RADIUS	R
DEGREE OF CURVE	D
CENTRAL ANGLE OR DELTA	Δ
LENGTH OF CURVE	L
TANGENT	T
DIRECTION AHEAD	DA
DIRECTION BACK	DB

CONVENTIONAL SYMBOLS

SECTION CORNER
NOTATION FOR COMBUSTABLE FLUIDS
NOTATION FOR HIGH VOLTAGE TRANSMISSION LINES
ELECTRIC POLE
TELEPHONE POLE
PEDESTAL (LABEL TYPE)
(TV, TEL, ELEC, ETC.)
BRIDGE
BUILDING
NATIONAL GEODETIC SURVEY MONUMENT
SIXTEENTH CORNER MONUMENT
SECTION LINE
QUARTER LINE
SIXTEENTH LINE
NEW REFERENCE LINE
NEW R/W LINE
EXISTING R/W LINE
PROPERTY LINE
LOT, TIE & OTHER MINOR LINES
CORPORATE LIMITS
UNDERGROUND FACILITY (COMMUNICATIONS, ELECTRIC, ETC)
FEE ACQUISITION AREA (HATCHING VARIES BY OWNER)
TEMPORARY LIMITED EASEMENT AREA
EASEMENT AREA (HIGHWAY, PERMANENT LIMITED, OR RESTRICTED DEVELOPMENT)
TRANSMISSION STRUCTURES
R/W MONUMENT
NON-MONUMENTED R/W POINT
FOUND IRON PIN
VALVE (GAS, WATER, ETC.)
SIGN
OFF-PREMISE SIGN
COMPENSABLE
NON-COMPENSABLE
ACCESS RESTRICTED BY ACQUISITION
NO ACCESS (BY STATUTORY AUTHORITY)
ACCESS RESTRICTED (BY PREVIOUS PROJECT OR CONTROL)
PARCEL NUMBER
UTILITY NUMBER

R/W COURSE TABLE

COURSE	BEARING	DISTANCE
200-201	SEE CURVE TABLE	
201-202	S56°57'32"W	159.16'
202-203	S49°02'17"W	272.75'
203-204	S65°04'37"W	110.14'
204-205	S57°05'20"W	198.98'
205-206	S56°56'31"W	286.34'
206-234	S56°19'30"W	332.88'
235-207	N55°59'41"E	92.06'
207-208	N56°19'30"E	400.61'
208-209	N56°56'31"E	287.04'
209-210	N51°19'40"E	99.62'
210-211	N57°05'20"E	209.07'
211-212	N51°11'16"E	205.63'

R/W COURSE TABLE

COURSE	BEARING	DISTANCE
212-213	N40°33'16"E	165.00'
213-214	N31°05'24"E	165.00'
214-215	N21°41'17"E	162.82'
215-217	N20°58'26"E	193.20'
217-218	N01°22'28"E	7.73'
218-219	N01°15'56"E	174.78'
219-220	N25°14'00"W	40.00'
220-221	N01°09'30"E	79.38'
221-222	N21°03'12"E	53.17'
223-224	S01°15'56"W	346.29'
224-225	S47°39'12"E	170.06'
226-227	N87°59'18"W	85.14'
227-200	S01°22'28"W	180.22'

R/W POINT STATION & OFFSET TABLE

POINT#	STATION	OFFSET
235	170+81.06	50.00'
234	169+22.13	55.00'
200	186+45.63	114.01'
201	184+06.13	113.09'
202	182+66.03	65.00'
203	180+09.07	70.30'
204	179+00.00	55.00'
205	177+01.02	55.00'
206	174+13.94	55.00'
207	170+13.90 (BK)	50.00'
208	174+13.97 (BK)	50.00'
209	177+00.89 (BK)	50.00'
210	178+00.00	60.00'
211	180+09.07	60.00'
212	182+27.42	60.00'

R/W POINT STATION & OFFSET TABLE

POINT#	STATION	OFFSET
213	184+02.51	60.00'
214	185+77.61	60.00'
215	187+20.39	60.00'
217	189+49.62	28.51'
218	189+57.55	29.14'
219	191+34.79	32.22'
220	191+70.62	50.00'
221	192+50.00	50.00'
222	193+00.00	31.91'
223	193+00.00	34.09'
224	189+56.66	37.15'
225	71+68.27BR	31.53'
226	71+57.84BR	33.66'
227	188+04.97	61.17'

R/W CURVE TABLE

FROM POINT	TO POINT	RADIUS	ARC LENGTH	CHORD BEARING	CHORD LENGTH
200	201	282.00'	275.40'	S29°21'07"W	264.59'

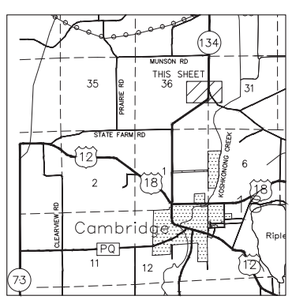
TLE POINT STATION & OFFSET TABLE

POINT#	STATION	OFFSET
T230	188+78.44	44.13'
T231	189+31.63	45.36'
T232	189+35.22	32.08'
T242	180+11.65	90.11'
T243	181+50.29	79.19'
T244	181+50.15	59.19'

R-12-E R-13-E

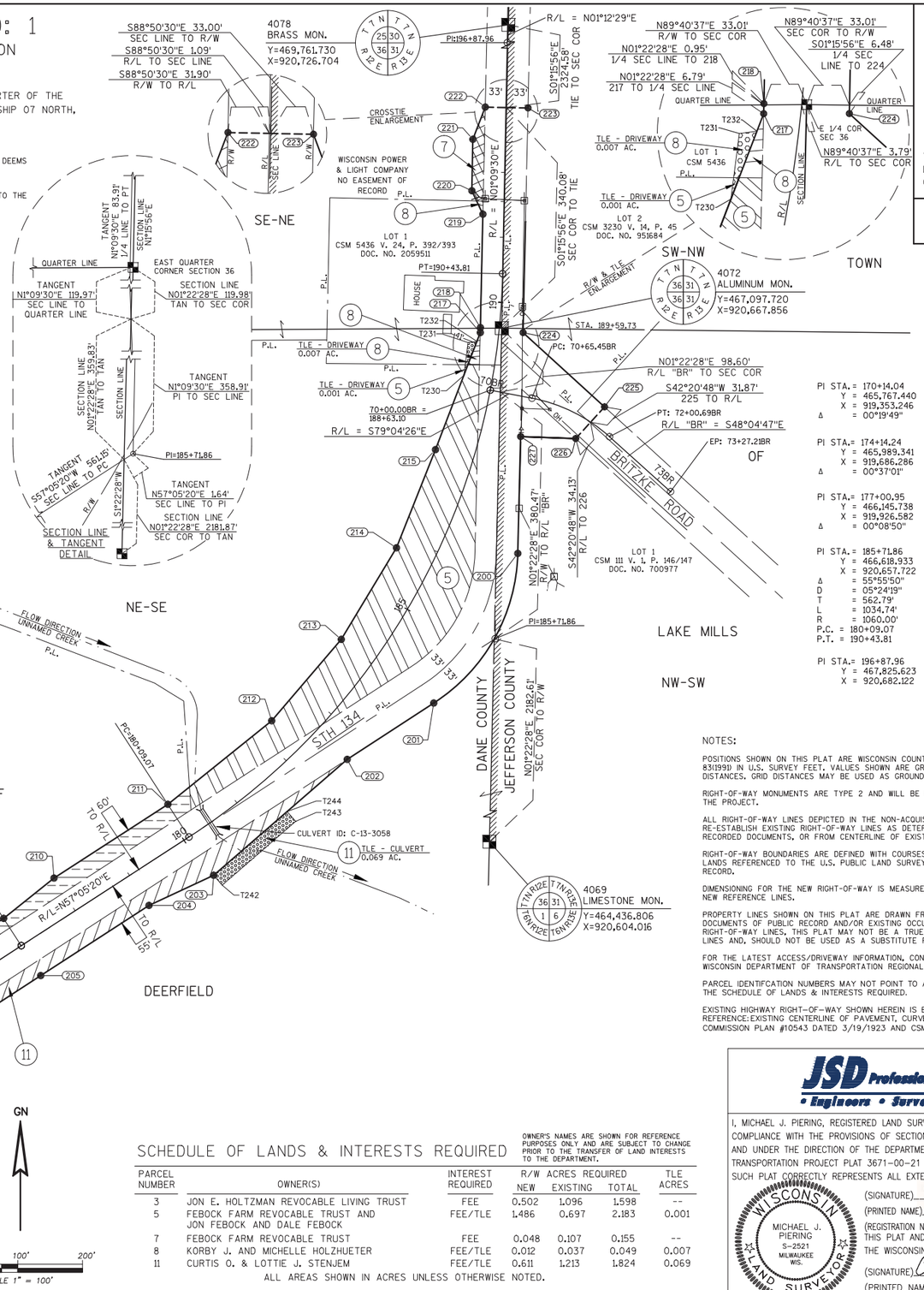
T-7-N

T-6-N



VICINITY MAP
NOT TO SCALE

north



PI STA.= 170+14.04
Y = 465,767.440
X = 919,353.246
Δ = 00°19'49"

PI STA.= 174+14.24
Y = 465,989.341
X = 919,686.286
Δ = 00°37'01"

PI STA.= 177+00.95
Y = 466,145.738
X = 919,926.582
Δ = 00°08'50"

PI STA.= 185+71.86
Y = 466,618.933
X = 920,657.722
Δ = 55°55'50"
D = 05°24'19"
T = 562.79'
L = 1034.74'
R = 1060.00'
P.C. = 180+09.07
P.T. = 190+43.81

PI STA.= 196+87.96
Y = 467,825.623
X = 920,682.122

BP STA.= 70+00.00BR
Y = 467,002.119
X = 920,650.110

PI STA.= 71+34.77BR
Y = 466,976.574
X = 920,782.429
Δ = 30°59'39"
D = 22°55'04"
T = 69.32'
L = 135.24'
R = 250.00'
P.C. = 70+65.45BR
P.T. = 72+00.69BR

EP STA.= 73+27.21BR
Y = 466,930.26
X = 920,834.01

NOTES:

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COUNTY COORDINATES, DANE COUNTY, NAD 83(1999) IN U.S. SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

RIGHT-OF-WAY MONUMENTS ARE TYPE 2 AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

ALL RIGHT-OF-WAY LINES DEPICTED IN THE NON-ACQUISITION AREAS ARE INTENDED TO RE-ESTABLISH EXISTING RIGHT-OF-WAY LINES AS DETERMINED FROM PREVIOUS PROJECTS, OTHER RECORDED DOCUMENTS, OR FROM CENTERLINE OF EXISTING PAVEMENTS.

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

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

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

FOR THE LATEST ACCESS/DRIVEWAY INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION REGIONAL OFFICE IN MADISON.

PARCEL IDENTIFCATION NUMBERS MAY NOT POINT TO ALL AREAS OF ACQUISITION, AS NOTED ON THE SCHEDULE OF LANDS & INTERESTS REQUIRED.

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE:EXISTING CENTERLINE OF PAVEMENT, CURVE INFO FROM WISCONSIN HIGHWAY COMMISSION PLAN #10543 DATED 3/19/1923 AND CSM# 12591.

SCHEDULE OF LANDS & INTERESTS REQUIRED

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

PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	R/W ACRES REQUIRED NEW	EXISTING	TOTAL	TLE ACRES
3	JON E. HOLTZMAN REVOCABLE LIVING TRUST	FEE	0.502	1.096	1.598	--
5	FEBOCK FARM REVOCABLE TRUST AND JON FEBOCK AND DALE FEBOCK	FEE/TLE	1.486	0.697	2.183	0.001
7	FEBOCK FARM REVOCABLE TRUST	FEE	0.048	0.107	0.155	--
8	KORBY J. AND MICHELLE HOLZHUETER	FEE/TLE	0.012	0.037	0.049	0.007
11	CURTIS O. & LOTTIE J. STENJEM	FEE/TLE	0.611	1.213	1.824	0.069

ALL AREAS SHOWN IN ACRES UNLESS OTHERWISE NOTED.

KRISTI CHLEBOWSKI
DANE COUNTY
REGISTER OF DEEDS
DOCUMENT #5156613
06/04/2015 10:10 AM
TRANS. FEE:
EXEMPT #:
REC. FEE: 25.00
PAGES: 1
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RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 3671-00-21-4.02
AMENDMENT NO: 1

JSD Professional Services, Inc.
• Engineers • Surveyors • Planners

I, MICHAEL J. PIERING, REGISTERED LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE DEPARTMENT, I HAVE SURVEYED AND MAPPED TRANSPORTATION PROJECT PLAT 3671-00-21 - 4.02 AMENDMENT NO. 1 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

WISCONSIN MICHAEL J. PIERING S-2521 MILWAUKEE WIS. LAND SURVEYOR

(SIGNATURE) Michael Piering DATE 05/19/15
(PRINTED NAME) Michael J. Piering
(REGISTRATION NUMBER) S-2521
THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION
(SIGNATURE) Cory Schlagel DATE 6/01/2015
(PRINTED NAME) Cory Schlagel

FILE NAME : \\MAD31ZP1\W3DTDD1\PDS\SUPPORT\CADDS\PROJECTS\D1_36710021\3671-00-21_4.02_STH 134 AMD1.DWG
PLOT DATE : 6/9/2015 4:08 PM PLOT BY : CLARK, CLYDE J PLOT NAME : PLOT SCALE : ==========
APPRAISAL PLAT DATE : ----------

TRANSPORTATION PROJECT PLAT NO: 3671-00-21 - 4.03 AMENDMENT NO: 1

AMENDS PARCEL NO: 12 OF TRANSPORTATION PROJECT PLAT 3671-00-21-4.03 RECORDED AS DOCUMENT NO: 1350905

PART OF LOT 1, CERTIFIED SURVEY MAP NUMBER 111, AS RECORDED IN VOLUME 1, PAGE 146 & 147, AS DOCUMENT NUMBER 700977, ALSO THAT PART OF LOT 2, CERTIFIED SURVEY MAP NUMBER 3230, AS RECORDED IN VOLUME 14, PAGE 45, AS DOCUMENT NUMBER 951684, SECTION 31, TOWNSHIP 07 NORTH, RANGE 13 EAST, TOWN OF LAKE MILLS, JEFFERSON COUNTY, WISCONSIN.

RELOCATION ORDER STH 134 CAMBRIDGE - LONDON (USH 12 TO CTH O)

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND AQUIRE CERTAIN LANDS AND INTEREST OR RIGHTS IN LANDS FOR THE ABOVE NAMED PROJECT.
TO EFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3), 84.09 AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:

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

ACCEPTED FOR RECORDING AND FILING IN THE OFFICE OF THE REGISTER OF DEEDS IN JEFFERSON COUNTY, WISCONSIN AT 9:50 A.M ON JUNE 8, 2015, AS DOCUMENT # 1355322 AND FILED IN TPP- T-3 Page 63

STACI M. HOFFMAN
SIGNATURE OF REGISTER OF DEEDS

THIS IS A COPY, ORIGINAL DOCUMENT IS FILED AT THE COUNTY REGISTER OF DEEDS

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 3671-00-21-4.03
AMENDMENT NO: 1

4

CONVENTIONAL ABBREVIATIONS

ACCESS RIGHTS	AR	POINT OF COMPOUND CURVE	PCC
ACRES	AC	POINT OF INTERSECTION	PI
AHEAD	AH	PROPERTY LINE	PL
ALUMINUM	ALUM	RECORDED AS	(100')
AND OTHERS	ET AL	REFERENCE LINE	R/L
BACK	BK	REMAINING	REM
BLOCK	BLK	RIGHT	RT
CENTERLINE	C/L	RIGHT OF WAY	R/W
CERTIFIED SURVEY MAP	CSM	SECTION	SEC
CONCRETE	CONC	SEPTIC VENT	SEPV
COUNTY	CO	SQUARE FEET	SF
COUNTY TRUNK HIGHWAY	CTH	STATE TRUNK HIGHWAY	STH
DISTANCE	DIST	STATION	STA
CORNER	COR	SUBDIVISION	SUBD
DOCUMENT NUMBER	DOC	TANGENT	TAN
EASEMENT	EASE	TELEPHONE PEDESTAL	TP
EXISTING	EX	TEMPORARY LIMITED EASEMENT	TLE
GAS VALVE	GV	TRANSPORTATION PROJECT PLAT	TPP
GRID NORTH	GN	UNITED STATES HIGHWAY	USH
HIGHWAY EASEMENT	HE	VOLUME	V
IDENTIFICATION	ID		
LAND CONTRACT	LC		
LEFT	LT		
MONUMENT	MON		
NATIONAL GEODETIC SURVEY	NGS		
NUMBER	NO		
OUTLOT	OL		
PAGE	P		
POINT OF TANGENCY	PT		
PERMANENT LIMITED EASEMENT	PLE		
POINT OF BEGINNING	POB		
POINT OF CURVATURE	PC		

CURVE DATA

CHORD LENGTH	LC
LONG CHORD BEARING	LCB
RADIUS	R
DEGREE OF CURVE	D
CENTRAL ANGLE OR DELTA	Δ
LENGTH OF CURVE	L
TANGENT	T
DIRECTION AHEAD	DA
DIRECTION BACK	DB

CONVENTIONAL SYMBOLS

SECTION LINE
QUARTER LINE
SIXTEENTH LINE
NEW REFERENCE LINE
NEW R/W LINE
EXISTING R/W LINE
PROPERTY LINE
LOT, TIE & OTHER MINOR LINES
CORPORATE LIMITS
UNDERGROUND FACILITY (COMMUNICATIONS, ELECTRIC, ETC) (TYPE)
FEE ACQUISITION AREA (HATCHING VARIES BY OWNER)
TEMPORARY LIMITED EASEMENT AREA
EASEMENT AREA (HIGHWAY, PERMANENT LIMITED, OR RESTRICTED DEVELOPMENT)
TRANSMISSION STRUCTURES
BUILDING
NATIONAL GEODETIC SURVEY MONUMENT
SIXTEENTH CORNER MONUMENT
SECTION CORNER
NOTATION FOR COMBUSTABLE FLUIDS (CAUTION)
NOTATION FOR HIGH VOLTAGE TRANSMISSION LINES (CAUTION)
ELECTRIC POLE
TELEPHONE POLE
PEDESTAL (LABEL TYPE) (TV, TEL, ELEC, ETC.)
ACCESS RESTRICTED BY ACQUISITION
NO ACCESS (BY STATUTORY AUTHORITY)
ACCESS RESTRICTED (BY PREVIOUS PROJECT OR CONTROL)
BRIDGE
R/W MONUMENT
NON-MONUMENTED R/W POINT
FOUND IRON PIN (IP)
VALVE (GAS, WATER, ETC.) (TYPE)
SIGN (SIGN)
OFF-PREMISE SIGN (SIGN)
COMPENSABLE / NON-COMPENSABLE
PARCEL NUMBER (25)
UTILITY NUMBER (40)

R/W COURSE TABLE		
COURSE	BEARING	DISTANCE
301-302	S01°15'56"W	346.29'
302-303	S47°39'12"E	170.06'
304-305	N87°59'18"W	85.14'
305-306	S01°22'28"W	180.22'
306-307	SEE CURVE TABLE	
307-308	S56°57'32"W	159.16'
308-309	S49°02'17"W	272.75'
310-311	N51°11'16"E	205.63'
311-312	N40°33'16"E	165.00'

R/W COURSE TABLE		
COURSE	BEARING	DISTANCE
312-313	N31°05'24"E	165.00'
313-314	N21°41'17"E	162.82'
314-315	N20°58'26"E	193.20'
315-316	N01°22'28"E	7.73'
316-317	N01°15'56"E	174.78'
317-318	N25°14'00"W	40.00'
318-319	N01°09'30"E	79.38'
319-320	N21°03'12"E	53.17'

R/W POINT STATION & OFFSET TABLE		
POINT#	STATION	OFFSET
306	186+45.63	114.01'
307	184+06.13	113.09'
308	182+66.03	65.00'
309	180+09.07	70.30'
310	180+09.07	60.00'
311	182+27.42	60.00'
312	184+02.51	60.00'
313	185+77.61	60.00'
314	187+20.39	60.00'
315	189+49.62	28.51'
316	189+57.55	29.14'
317	191+34.79	32.22'

R/W POINT STATION & OFFSET TABLE		
POINT#	STATION	OFFSET
318	191+70.62	50.00'
319	192+50.00	50.00'
320	193+00.00	31.91'
301	193+00.00	34.09'
302	189+56.66	37.15'
303	71+68.27BR	31.53'
304	71+57.84BR	33.66'
305	188+04.97	61.17'

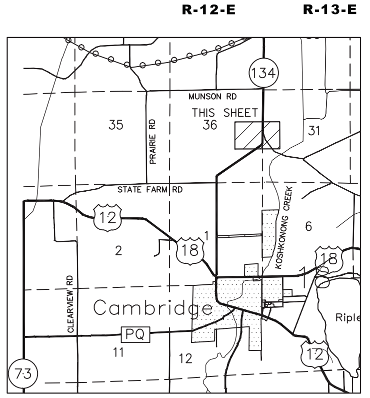
TLE POINT STATION & OFFSET TABLE		
POINT#	STATION	OFFSET
T340	190+33.15	33.64'
T341	190+02.49	52.37'
T342	189+43.18	56.44'
T343	70+87.36BR	61.36'
T344	70+90.31BR	86.20'
T345	71+54.57BR	89.65'
T346	71+45.49BR	36.31'
T347	72+33.88BR	37.41'
T348	72+33.88BR	52.41'
T349	71+92.09BR	51.98'
T350	71+92.69BR	36.99'

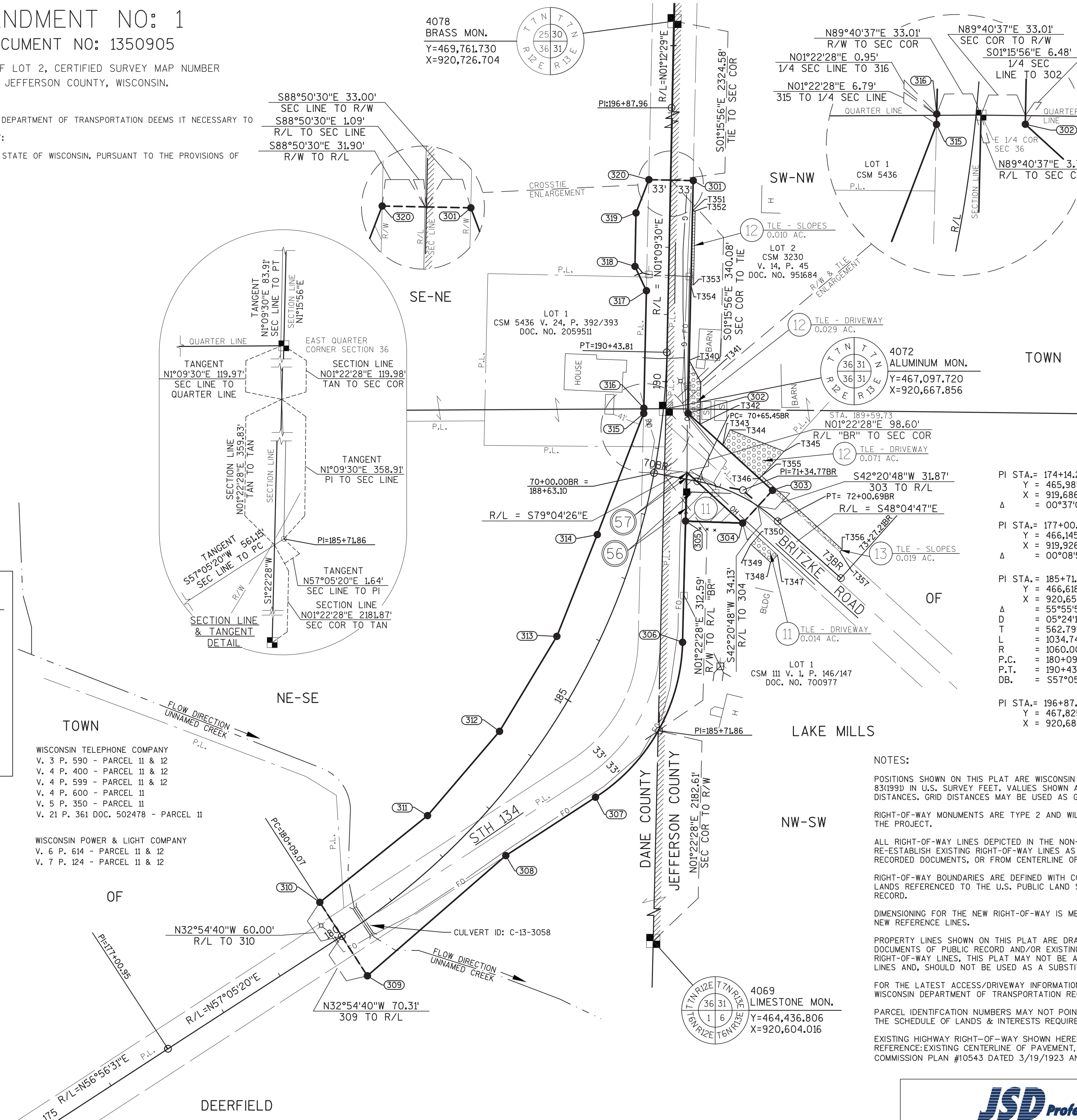
TLE POINT STATION & OFFSET TABLE		
POINT#	STATION	OFFSET
T351	192+54.90	34.00'
T352	192+54.89	38.00'
T353	191+44.96	37.80'
T354	191+44.97	33.80'
T355	71+46.47BR	41.19'
T356	73+00.00BR	33.16'
T357	73+00.00BR	28.16'

R/W CURVE TABLE					
FROM POINT	TO POINT	RADIUS	ARC LENGTH	CHORD BEARING	CHORD LENGTH
306	307	282.00'	275.40'	S29°21'07"W	264.59'

GN

0 50' 100' 200'
SCALE 1" = 100'





WISCONSIN TELEPHONE COMPANY
V. 3 P. 590 - PARCEL 11 & 12
V. 4 P. 400 - PARCEL 11 & 12
V. 4 P. 599 - PARCEL 11 & 12
V. 4 P. 600 - PARCEL 11
V. 5 P. 350 - PARCEL 11
V. 21 P. 361 DOC. 502478 - PARCEL 11

WISCONSIN POWER & LIGHT COMPANY
V. 6 P. 614 - PARCEL 11 & 12
V. 7 P. 124 - PARCEL 11 & 12

PI STA.= 174+14.24
Y = 465,989.341
X = 919,686.286
Δ = 00°37'01"

PI STA.= 177+00.95
Y = 466,145.738
X = 919,926.582
Δ = 00°08'50"

PI STA.= 185+71.86
Y = 466,618.933
X = 920,657.722
Δ = 55°55'50"
D = 05°24'19"
T = 562.79'
L = 1034.74'
R = 1060.00'
P.C. = 180+09.07
P.T. = 190+43.81
DB. = S57°05'20"W

PI STA.= 196+87.96
Y = 467,825.623
X = 920,682.122

BP STA.= 70+00.00BR
Y = 467,002.119
X = 920,650.110

PI STA.= 71+34.77BR
Y = 466,976.574
X = 920,782.429
Δ = 30°59'39"
D = 22°55'04"
T = 69.32'
L = 135.24'
R = 250.00'
P.C. = 70+65.45BR
P.T. = 72+00.69BR

EP STA.= 73+27.21BR
Y = 466,930.26
X = 920,834.01

NOTES:

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COUNTY COORDINATES, DANE COUNTY, NAD 83(1991) IN U.S. SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

RIGHT-OF-WAY MONUMENTS ARE TYPE 2 AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

ALL RIGHT-OF-WAY LINES DEPICTED IN THE NON-ACQUISITION AREAS ARE INTENDED TO RE-ESTABLISH EXISTING RIGHT-OF-WAY LINES AS DETERMINED FROM PREVIOUS PROJECTS, OTHER RECORDED DOCUMENTS, OR FROM CENTERLINE OF EXISTING PAVEMENTS.

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

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

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

FOR THE LATEST ACCESS/DRIVEWAY INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION REGIONAL OFFICE IN MADISON.

PARCEL IDENTIFCATION NUMBERS MAY NOT POINT TO ALL AREAS OF ACQUISITION, AS NOTED ON THE SCHEDULE OF LANDS & INTERESTS REQUIRED.

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE: EXISTING CENTERLINE OF PAVEMENT, CURVE INFO FROM WISCONSIN HIGHWAY COMMISSION PLAN #10543 DATED 3/19/1923 AND CSM# 12591.

SCHEDULE OF LANDS & INTERESTS REQUIRED

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

PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	R/W ACRES REQUIRED NEW	EXISTING	TOTAL	TLE ACRES
11	CURTIS O. & LOTTIE J. STENJEM	FEE/TLE	0.071	0.196	0.267	0.014
12	BRUCE E. & CYNTHIA K. PETTERS	TLE	--	--	--	0.110
13	DAVID A. HUGHES	TLE	--	--	--	0.019

ALL AREAS SHOWN IN ACRES UNLESS OTHERWISE NOTED.

UTILITY SCHEDULE & INTERESTS REQUIRED

UTILITY NUMBER	UTILITY OWNER(S)	INTEREST REQUIRED
56	ALLIANT ENERGY CORP.	RELEASE OF RIGHTS
57	FRONTIER COMMUNICATIONS	RELEASE OF RIGHTS

JSD Professional Services, Inc.
• Engineers • Surveyors • Planners

I, MICHAEL J. PIERING, REGISTERED LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE DEPARTMENT, I HAVE SURVEYED AND MAPPED TRANSPORTATION PROJECT PLAT 3671-00-21 - 4.03 AMENDMENT NO. 1 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

(SIGNATURE) Michael J. Piering DATE 5/15/15
(PRINTED NAME) Michael J. Piering
(REGISTRATION NUMBER) S-2521

WISCONSIN MICHAEL J. PIERING S-2521 MILWAUKEE WIS. LAND SURVEYOR

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

(SIGNATURE) Cory Schlagel DATE 6/1/2015
(PRINTED NAME) Cory Schlage

DATE:	REVISION DATE

TRANSPORTATION PROJECT PLAT NO: 3671-00-21 - 4.04

RELOCATION ORDER STH 134 CAMBRIDGE - LONDON (USH 12 TO CTH O)

R/W MONUMENT POINT NUMBER AND COORDINATE TABLE

4

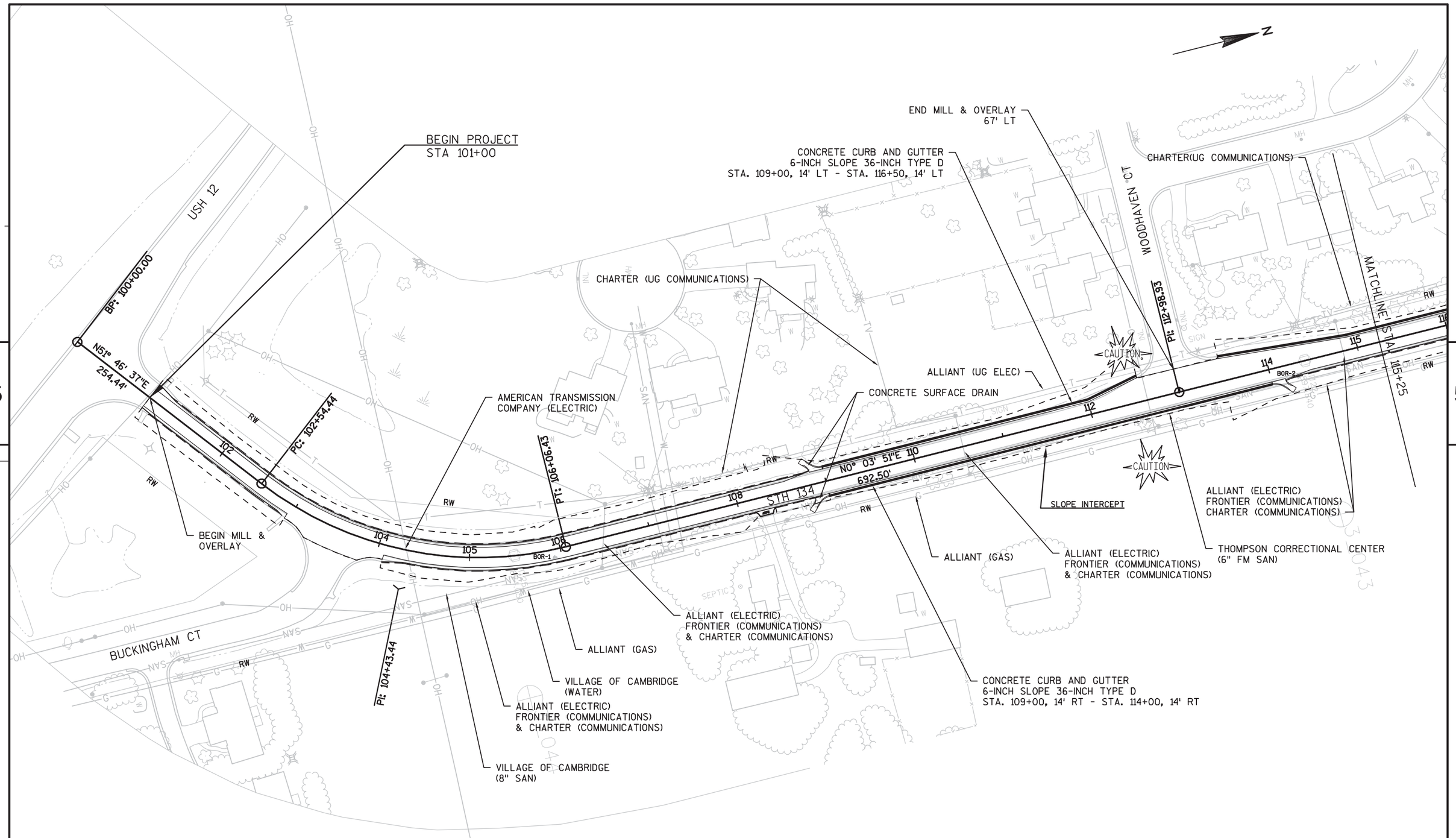
R/W MONUMENT POINT NUMBER AND COORDINATE TABLE		
POINT	Y	X
100	464,418.663	918,030.636
101	464,384.727	918,023.126
102	464,285.921	917,987.926
103	464,190.754	917,954.022
104	464,241.159	917,929.823
105	464,379.971	917,932.039
106	464,378.159	917,669.381
107	464,382.986	917,644.347
108	464,419.353	917,644.096
109	464,448.984	917,643.891
110	464,469.156	917,668.753
111	464,471.087	917,948.495
112	464,556.077	917,949.851
113	464,579.181	917,960.221
114	464,732.778	917,962.673
115	464,962.919	918,088.138
116	465,079.67	918,263.075
117	465,216.878	918,431.533
118	465,442.707	918,771.799
119	465,454.164	918,824.205
120	465,676.063	919,156.692
121	465,717.144	919,189.292
122	465,757.485	919,249.089
123	465,758.122	919,339.435
124	465,758.828	919,439.512
125	465,721.757	919,383.874
126	465,423.381	918,941.604
127	465,125.227	918,492.360
128	465,015.618	918,354.994
129	464,883.949	918,238.962
130	464,734.102	918,147.604
131	464,570.648	918,083.707
132	464,476.647	918,071.175
133	464,418.883	918,061.766

R/W MONUMENT POINT NUMBER AND COORDINATE TABLE		
POINT	Y	X
200	466,750.329	920,692.532
201	466,519.706	920,562.837
202	466,432.925	920,429.416
203	466,254.122	920,223.451
204	466,207.709	920,123.567
205	466,099.596	919,956.521
206	465,943.406	919,716.536
207	465,808.974	919,325.406
208	466,031.105	919,658.792
209	466,187.682	919,899.365
210	466,249.931	919,977.142
211	466,363.527	920,152.659
212	466,492.403	920,312.879
213	466,617.768	920,420.157
214	466,759.067	920,505.361
215	466,910.361	920,565.532
217	467,090.760	920,634.686
218	467,098.488	920,634.871
219	467,273.225	920,638.735
220	467,309.407	920,621.680
221	467,388.770	920,623.285
222	467,438.391	920,642.385
223	467,437.057	920,708.362
224	467,090.843	920,700.712
225	466,976.288	920,826.401
226	466,927.509	920,781.942
227	466,930.497	920,696.854
234	465,758.830	919,439.515
235	465,757.488	919,249.089

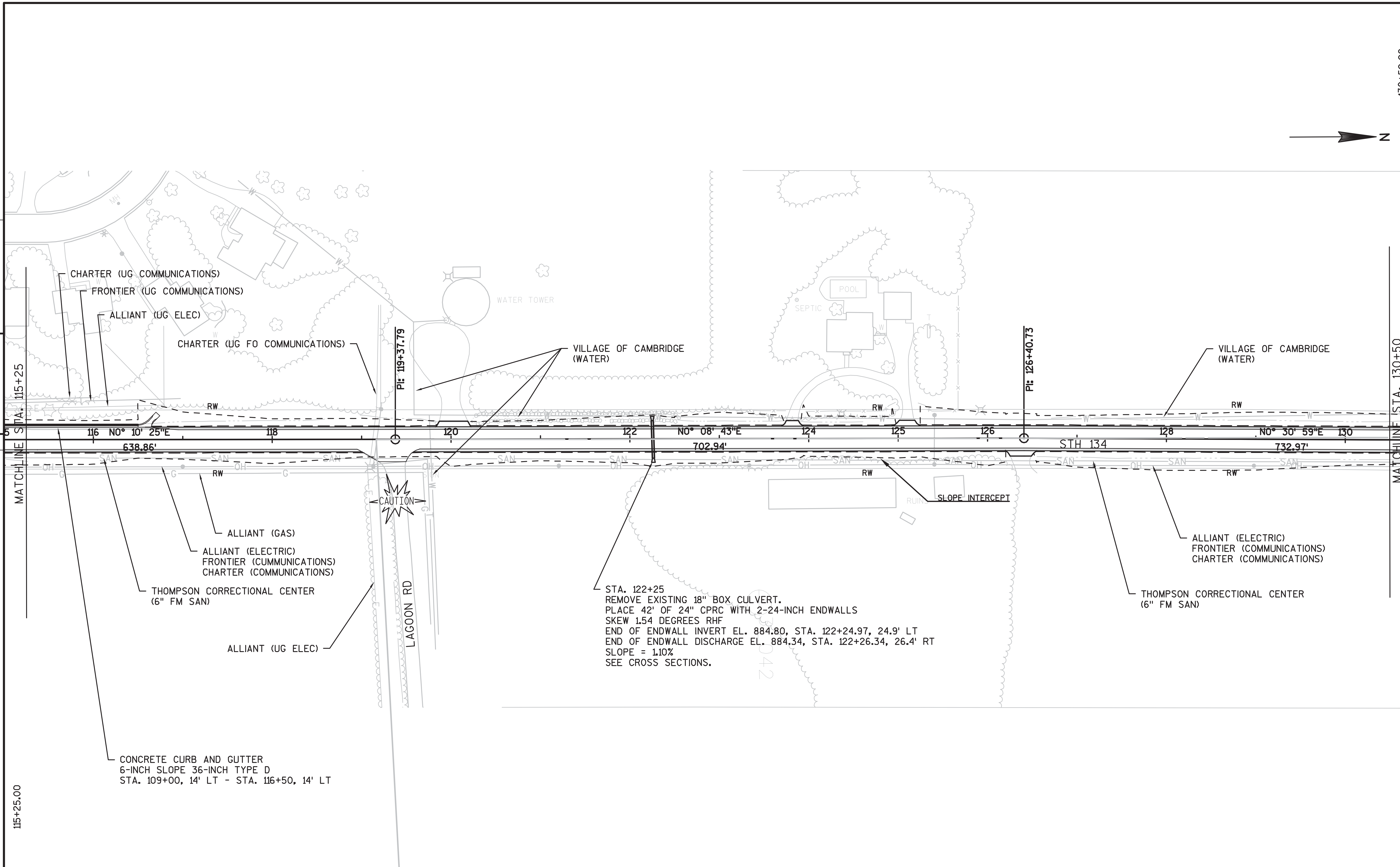
R/W MONUMENT POINT NUMBER AND COORDINATE TABLE		
POINT	Y	X
301	467,437.057	920,708.362
302	467,090.843	920,700.712
303	466,976.288	920,826.401
304	466,927.509	920,781.942
305	466,930.497	920,696.854
306	466,750.329	920,692.532
307	466,519.706	920,562.837
308	466,432.925	920,429.416
309	466,254.122	920,223.450
310	466,363.527	920,152.659
311	466,492.403	920,312.879
312	466,617.768	920,420.158
313	466,759.067	920,505.361
314	466,910.361	920,565.532
315	467,090.760	920,634.686
316	467,098.488	920,634.871
317	467,273.225	920,638.735
318	467,309.407	920,621.680
319	467,388.771	920,623.285
320	467,438.391	920,642.386

4

FILE NAME : \\MAD31ZP1\W3DTDD1\PDS\SUPPORT\CADDS\PROJECTS\D1_36710021\3671-00-21-4.04-STH 134 RW.DWG PLOTTING DATE : 6/10/2015 7:43 AM PLOT BY : CLARK, CLYDE J PLOT NAME : PLOT SCALE : **********
APPRAISAL PLAT DATE : ----------
3671-00-21 - 4.04



PROJECT NO:3617-00-71	HWY:STH 134	COUNTY:DANE & JEFFERSON	PLAN	SHEET 59	E



PROJECT NO:3617-00-71	HWY:STH 134	COUNTY:DANE & JEFFERSON	PLAN	SHEET 60	E

FILE NAME : L:\PROJECTS\12516\DWG\36710001\SHEETSPLAN\050101_PP.DWG PLOT DATE : 1/4/2016 3:41 PM PLOT BY : MOYER, TIM PLOT NAME : PLOT SCALE : 1" = 100'_XREF WISDOT/CADDS SHEET 42

5

MATCHLINE STA. 130+50

130+50.00

145+75.00

MATCHLINE STA. 145+75

5

N

Pi: 133+73.70

Pi: 138+24.78

Pi: 144+05.35

132 134 135 136 140 142 145

N0° 49' 45"E

451.07'

N1° 13' 09"E

580.57'

STH 134

RW

ALLIANT (ELECTRIC)
CHARTER (COMMUNICATIONS)

THOMPSON CORRECTIONAL CENTER
(6" FM SAN)

ALLIANT (ELECTRIC)
CHARTER (COMMUNICATIONS)

SLOPE INTERCEPT

FRONTIER (UG COMMUNICATIONS)

ALLIANT (ELECTRIC)
FRONTIER (COMMUNICATIONS)
CHARTER (COMMUNICATIONS)

THOMPSON CORRECTIONAL CENTER
(6" FM SAN)

VILLAGE OF CAMBRIDGE
(WATER)

STA. 142+45
REMOVE EXISTING 24" BOX CULVERT.
PLACE 42' OF 29"X45" CPRCHE WITH 2-29X45-INCH ENDWALLS.
END OF ENDWALL INVERT EL. 867.50, 25.2' LT
END OF ENDWALL DISCHARGE EL. 866.70, 28.8' RT
SLOPE = 1.9%
SEE CROSS SECTIONS.

PROJECT NO:3617-00-71	HWY:STH 134	COUNTY:DANE & JEFFERSON	PLAN	SHEET 61	E

ALLIANT (ELECTRIC)
CHARTER (COMMUNICATIONS)

THOMPSON CORRECTIONAL FACILITY
(6" FM SAN)

SLOPE INTERCEPT

4067
ALUMINUM MON.
Y=464,418.164
X=917,959.830

RW

PC: 149+15.12

146

N0° 56' 38"E
509.77'

STH 134

148

150

PT: 64+92.70SF

65+00SF

STATE FARM RD

CHARTER (COMM)

THOMPSON CORRECTIONAL FACILITY
(WATER)

EP: 65+76.60SF

ALLIANT (ELEC)
CHARTER (COMM)

CONCRETE SURFACE DRAIN

FRENCH DRAIN (TYP)

STA 150+18.14 STH 134 =
STA 65+76.60 STATE FARM RD

FRONTIER (UG COMMUNICATIONS)

THOMPSON CORRECTIONAL FACILITY
(WATER)

FRONTIER (UG COMMUNICATIONS)

END MILL & OVERLAY
BEGIN RECONSTRUCTION
STA 148+40

CONCRETE CURB AND GUTTER
6-INCH SLOPE 36-INCH TYPE D
STA. 147+65 – STA. 150+50, 16' RT

STA 148+40.00
EL 872.26

VCL = 300.00
K = 176.42

-2.70%

VPC STA 149+00.00
VPC EL 870.64

VPI STA 150+50.00
VPI EL 866.59

870

860

873.12
871.89 871.99
870.52 870.64
869.30 869.36
868.37 868.22
867.31 867.23
866.06 866.37
864.67 865.66
863.92 865.36

145 146 147 148 149 150 151 151

PROJECT NO: 3671-00-71	HWY: STH 134	COUNTY: DANE & JEFFERSON	PLAN AND PROFILE	SHEET E

FILE NAME : L:\PROJECTS\12516\DWG\36710001\SHEETSPLAN\050102_PP.DWG PLOT DATE : 7/20/2016 8:18 AM PLOT BY : MOYER, TIM PLOT NAME : PLOT SCALE : 1:40_XREF
WISDOT/CADDS SHEET 44

ALLIANT (ELEC)
CHARTER (COMM)

RW

WETLAND BOUNDARY

ALLIANT (ELECTRIC)

50' – 18" CP W/ 2 APRON ENDWALLS.
33.5' LT, INVERT AND DISCHARGE
ELEVATION 859.00

FRONTIER (UG COMMUNICATIONS)

WETLAND BOUNDARY

STH 134

152

154

155

156

FRONTIER (UG COMMUNICATIONS)

FRENCH DRAIN (TYP)

SPECIAL DITCH

RW

WETLAND BOUNDARY

SLOPE INTERCEPT

RW

ALLIANT (ELECTRIC)

NOTE:
OBLITERATE OLD ROADWAY FROM
STA. 152+00 TO STA. 158+00, LT

5

5

151+15.00

−1.00%

VCL = 250.00
K = 148.68

0.68%

VPT STA 152+00.00
VPT EL 865.09

STA 154+00.00
EL 857.83

VPC STA 154+75.00
VPC EL 862.35

VPI STA 156+00.00
VPI EL 861.10

LOW POINT STA 156+23.41
LOW POINT EL 861.61

VPT STA 157+25.00
VPT EL 861.95

VPC STA 157+50.00
VPC EL 862.12

−0.23%

SPECIAL DITCH

VCL = 300.00
K = 250.20

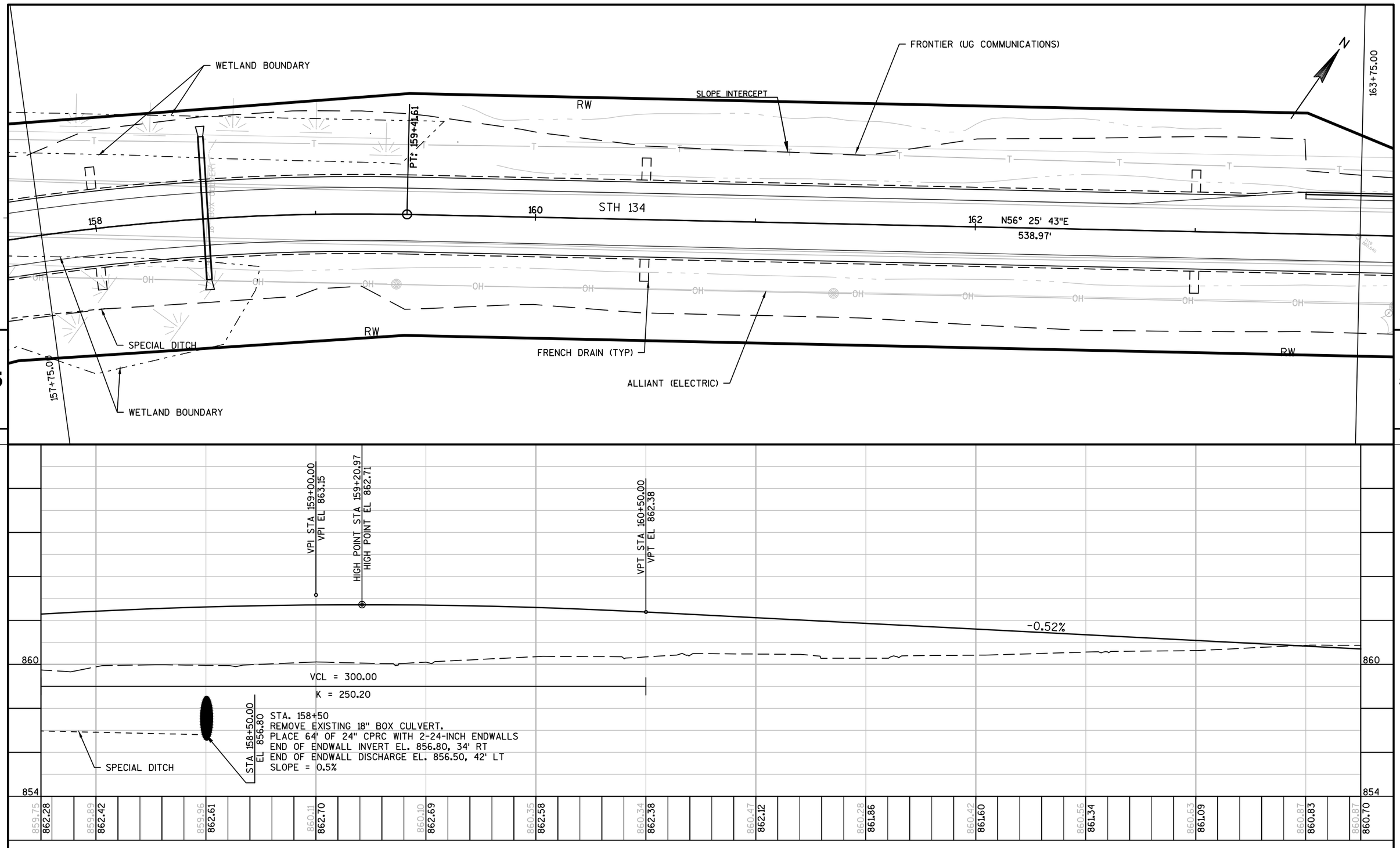
860

854

863.92	863.19	862.95	862.03	861.17	860.45	859.94	859.27	858.51	858.22	858.10	857.61	859.18	859.75
865.36	865.09	864.59	864.09	863.60	863.10	862.60	862.12	861.79	861.63	861.63	861.80	862.12	862.28

151 152 153 154 155 156 157 157

PROJECT NO: 3671–00–71	HWY: STH 134	COUNTY: DANE & JEFFERSON	PLAN AND PROFILE	SHEET 63 E



PROJECT NO: 3671-00-71	HWY: STH 134	COUNTY: DANE & JEFFERSON	PLAN AND PROFILE	SHEET 64	E

CLEAR AND GRUB
(REMOVE WILLOW TREE)

CONCRETE CURB AND GUTTER
6–INCH SLOPE 36–INCH TYPE D
STA. 163+50 – STA. 168+50, 16' LT

CONCRETE SURFACE DRAIN

FRONTIER (UG COMMUNICATIONS)

SLOPE INTERCEPT

RW

PI: 164+80.59

164 | 165 | STH 134 | 166 | N55° 59' 41"E 533.46' | 168

169+75.00

163+75.00

ALLIANT (ELECTRIC)

FRENCH DRAIN (TYP)

56' – 18" CP W/ 2 APRON ENDWALLS.
34.5' RT
INVERT EL. 856.41
DISCHARGE EL. 856.11

FRONTIER (UG COMMUNICATIONS)

5

5

860

850

848

-0.52%

STA. 169+53
REMOVE EXISTING 18" BOX CULVERT.
PLACE 56' OF 30" X 19" CPRCHE WITH 2–30X19–INCH ENDWALLS.
SKEW 23 DEGREES LHF.
END OF ENDWALL INVERT EL. 853.20, STA. 169+40, 31.7' RT
END OF ENDWALL DISCHARGE EL. 852.97, STA. 169+66, 31.2' LT
SLOPE = 0.4%

860.87	860.70	860.86	860.57	860.62	860.31	860.35	860.06	859.94	859.80	859.79	859.54	859.45	859.28	859.25	859.02	859.02	858.77	858.57	858.51	858.13	858.25	857.74	857.99	857.45	857.74	857.31	857.61
163		164				165				166				167				168				169				169	

PROJECT NO: 3671–00–71	HWY: STH 134	COUNTY: DANE & JEFFERSON	PLAN AND PROFILE	SHEET 65 E

52' – 18" CP W/ 2 APRON ENDWALLS.
34.5' LT
INVERT EL. 853.07
DISCHARGE EL. 852.76

FRONTIER (UG COMMUNICATIONS)

RW

SLOPE INTERCEPT

FRONTIER (UG COMMUNICATIONS)

RW

175+75.00

PI: 170+14.04

PI: 174+14.24

STH 134

170

172

N56° 19' 30"E
400.19'

174

175

N56° 56' 31"E
286.71'

RW

RW

5

169+75.00

FRENCH DRAIN (TYP)

52' – 18" CP W/ 2 APRON ENDWALLS.
34.5' RT
INVERT EL. 853.07
DISCHARGE EL. 852.76

5

860

850

848

VPC STA 172+00.00
VPC EL 856.45

VPI STA 173+00.00
VPI EL 855.93

VPT STA 174+00.00
VPT EL 854.33

−0.52%

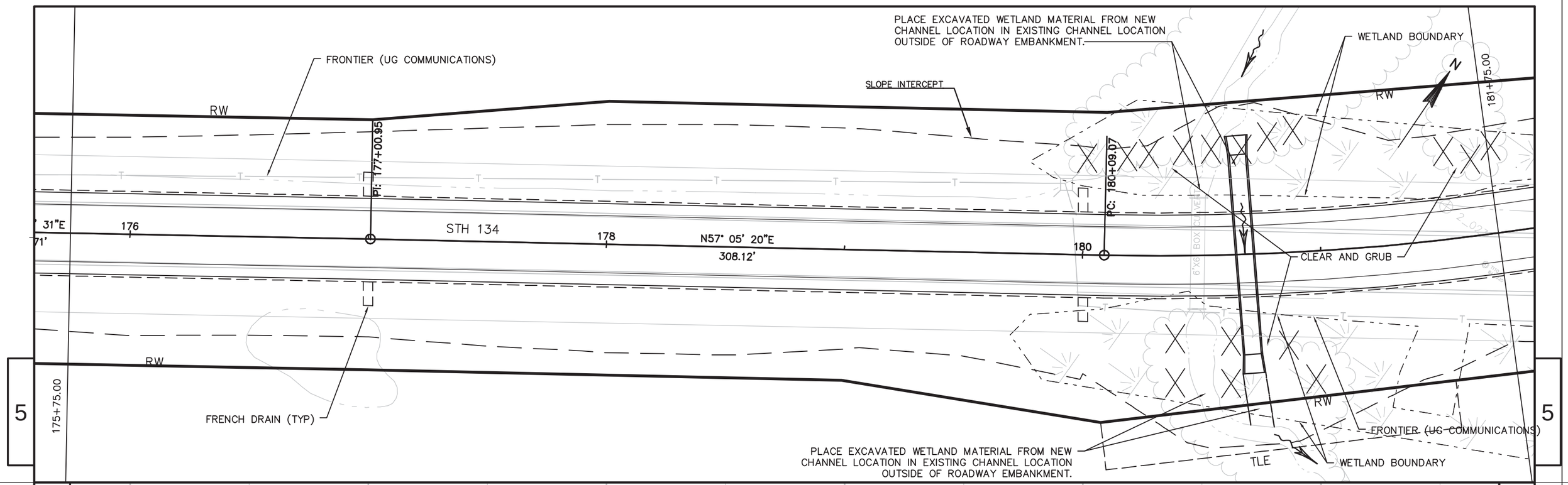
−1.60%

VCL = 200.00
K = 184.45

857.31 857.61 | 857.19 857.48 | 857.04 857.22 | 856.79 856.96 | 856.41 856.70 | 856.08 856.45 | 855.73 856.12 | 855.28 855.66 | 854.73 855.06 | 854.06 854.33 | 853.20 853.53 | 852.26 852.73 | 851.23 851.93 | 850.88 851.53

169 170 171 172 173 174 175 175

PROJECT NO: 3671–00–71	HWY: STH 134	COUNTY: DANE & JEFFERSON	PLAN AND PROFILE	SHEET 66 E



PROJECT NO: 3671-00-71	HWY: STH 134	COUNTY: DANE & JEFFERSON	PLAN AND PROFILE	SHEET 67 E

PROJECT NO:3671-00-71	HWY:STH 134	COUNTY:DANE & JEFFERSON	PLAN AND PROFILE	SHEET :68	E

FILE NAME : L:\PROJECTS\12516\DWG\36710001\SHEETSPLAN\050102_PP.DWG PLOT DATE : 7/20/2016 8:18 AM PLOT BY : MOYER, TIM PLOT NAME : PLOT SCALE : 1:40_XREF

PROJECT NO:3671-00-71	HWY:STH 134	COUNTY:DANE & JEFFERSON	PLAN AND PROFILE	SHEET :69	E

5

5

N

SLOPE INTERCEPT

SLOPE INTERCEPT

PI: 196+87.96

PI: 201+47.45

PI: 205+97.78

RW

RW

RW

RW

RW

RW

RW

RW

2

N1° 09' 30"E 194

195

196

198

N1° 12' 29"E

200

202

N1° 36' 52"E 204

205

206

N1° 18' 42

644.15'

459.49'

STH 134

450.34'

308.53'

G

OH

CAUTION

RUINS

SEPTIC

W

T

WE ENERGIES (GAS)

ALLIANT (ELECTRIC) &
FRONTIER (COMMUNICATIONS)

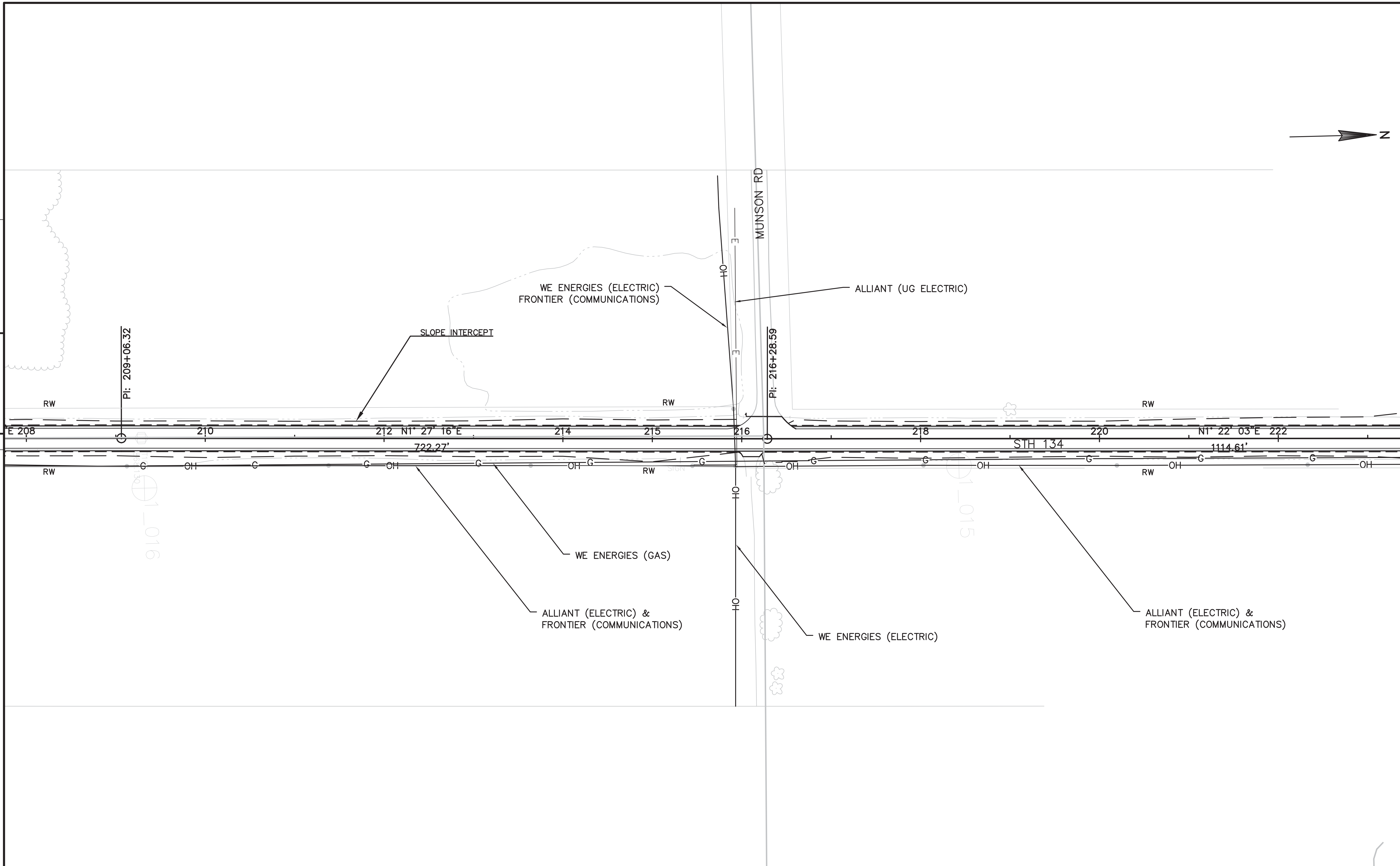
SW—NE

NW—

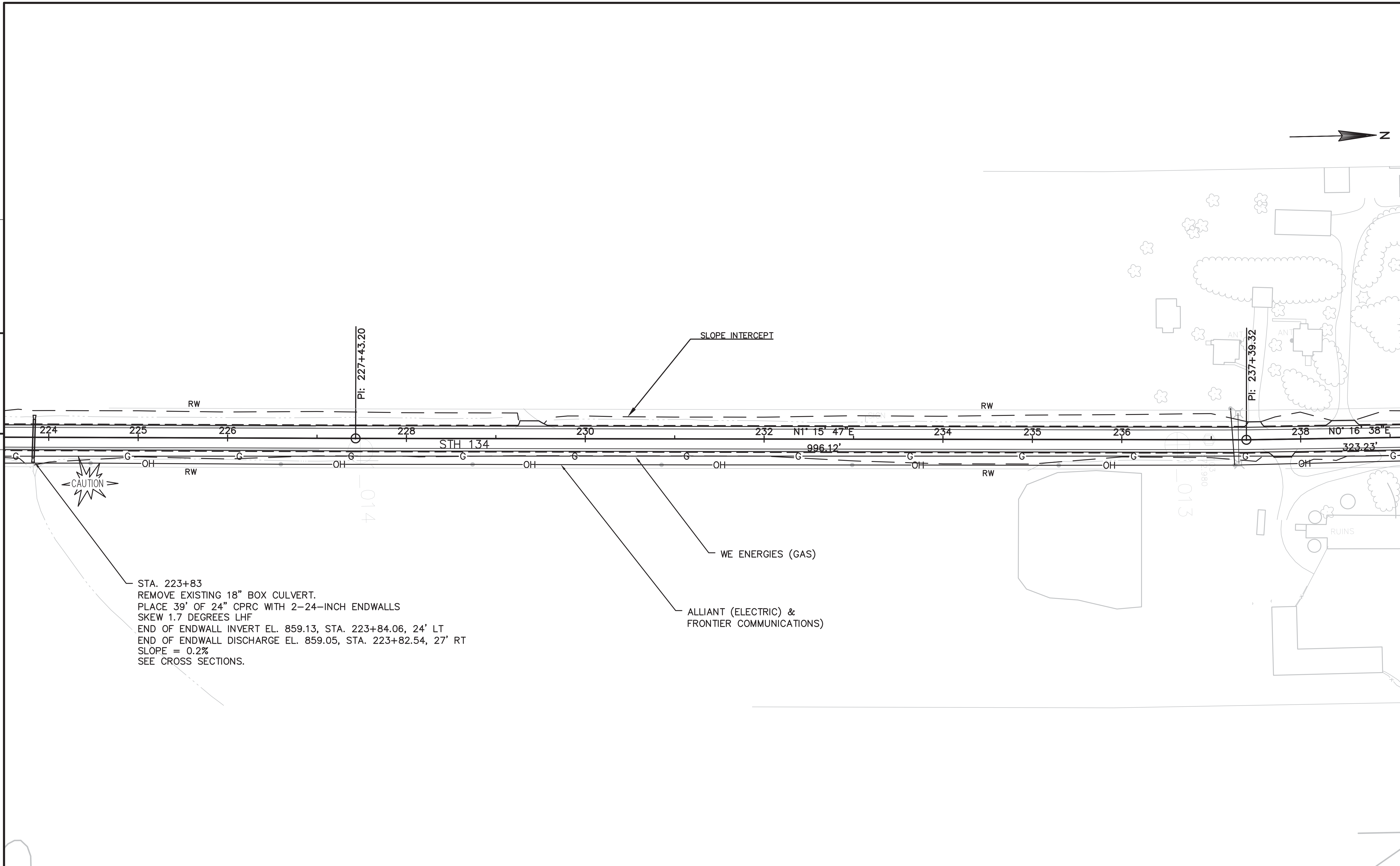
PROJECT NO: 3671-00-71	HWY: STH 134	COUNTY: DANE & JEFFERSON	PLAN	SHEET 70	E

FILE NAME : L:\PROJECTS\12516\DWG\36710001\SHEETSPLAN\050103_PP.DWG PLOT DATE : 7/22/2016 9:09 AM PLOT BY : MOYER, TIM PLOT NAME : PLOT SCALE : 1:100_XREF

WISDOT/CADDS SHEET 42



PROJECT NO:3671-00-71	HWY:STH 134	COUNTY:DANE & JEFFERSON	PLAN	SHEET 71	E



5
PI: 227+43.20
PI: 237+39.32
SLOPE INTERCEPT
RW
224
225
226
228
230
232
N1° 15' 47"E
234
235
236
238
N0° 16' 38"E
STH 134
996.12'
323.23'
G
OH
CAUTION
WE ENERGIES (GAS)
ALLIANT (ELECTRIC) &
FRONTIER COMMUNICATIONS)
STA. 223+83
REMOVE EXISTING 18" BOX CULVERT.
PLACE 39' OF 24" CPRC WITH 2-24-INCH ENDWALLS
SKEW 1.7 DEGREES LHF
END OF ENDWALL INVERT EL. 859.13, STA. 223+84.06, 24' LT
END OF ENDWALL DISCHARGE EL. 859.05, STA. 223+82.54, 27' RT
SLOPE = 0.2%
SEE CROSS SECTIONS.
RUINS
N
5

PROJECT NO:3671-00-71	HWY:STH 134	COUNTY:DANE & JEFFERSON	PLAN	SHEET 72	E

N

MAIN ST

PI: 237+39.32

PI: 240+62.54

PI: 243+67.65

EP: 251+00.00

5

5

238 N0° 16' 38"E 240 242 N0° 21' 56"W 244 245 246 N0° 21' 56"W 248 250

323.23' 305.11' 732.35'

STH 134

RW RW RW RW RW

FO FO HO HO

OH G

FRONTIER (UG COMMUNICATIONS)

ALLIANT (ELECTRIC)

SLOPE INTERCEPT

END MILL & OVERLAY
37' LT

RUINS

ANT

SEPC

SEPTIC

WE ENERGIES (GAS)

REMOVE EXISTING DRIVEWAY OPENING.
REPLACE WITH TOPSOIL, SEED, FERTILIZER AND MULCH.

ALLIANT (ELECTRIC) &
FRONTIER (COMMUNICATIONS)

END MILL & OVERLAY
29' RT

PROVIDE 1 24-FT OPENING AT EACH END
OF PROPERTY. REMOVE EXISTING DRIVEWAY
AREA BETWEEN NEW OPENINGS AND REPLACE
WITH TOPSOIL, SEED, FERTILIZER AND MULCH.

END MILL & OVERLAY

END PROJECT
STA 249+00

PROJECT NO: 3671-00-71	HWY: STH 134	COUNTY: DANE & JEFFERSON	PLAN	SHEET 73	E

N

THOMPSON CORRECTIONAL FACILITY (WATER)

SLOPE INTERCEPT

FRONTIER (UG COMMUNICATIONS)

CHARTER (COMM)

ALLIANT (ELECTRIC) & CHARTER (COMM)

RW

BP: 60+00.00

PC: 63+94.20

PT: 64+92.70

EP: 65+76.60

151+00

150+00

61+00

62+00

63+00

64+00

65+00

STATE FARM ROAD

THOMPSON CORRECTIONAL FACILITY (6" FM SAN)

4067
ALUMINUM MON.
Y=464,418.164
X=917,959.830

ALLIANT (ELECTRIC) & CHARTER (COMM)

STH 134

5

5

VCL = 160.00

K = 45.72

STA. 64+21.20 – REMOVE EXISTING 24" CP
PLACE 48' OF 24" CPRC WITH 2–24–INCH ENDWALLS
SKEW 7.8–DEGREES LHF
END OF ENDWALL INVERT EL. 864.10, STA 64+18, 29.2' RT
END OF ENDWALL DISCHARGE EL. 864.00, STA 64+25, 27' LT
SLOPE = 0.2%

VPC STA 64+45.89
VPC EL 869.63

VPI STA 64+95.89
VPI EL 870.91

STA 62+50.00
EL 868.12

-0.94%

2.56%

2.67%

-6.00%

VPC STA 62+70.00
VPC EL 867.93

LOW POINT STA 63+12.92
LOW POINT EL 867.73

VPI STA 63+50.00
VPI EL 867.18

VPT STA 64+30.00
VPT EL 869.23

HIGH POINT STA 64+93.04
HIGH POINT EL 870.24

VPT STA 65+45.89
VPT EL 869.48

STA 65+52.61
EL 869.29

STA 65+76.60
EL 867.85

VCL = 100.00

K = 18.41

870

860

872.08 | 871.04 | 870.06 | 869.29 | 868.62 | 868.12 868.12 | 867.64 867.75 | 867.35 867.88 | 867.13 868.56 | 867.00 869.73 | 867.03 870.22 | 867.63 869.36

59 60 61 62 63 64 65 65

PROJECT NO: 3671–00–71	HWY: STH 134	COUNTY: DANE & JEFFERSON	PLAN AND PROFILE: STATE FARM ROAD	SHEET 74 E

ALLIANT (ELECTRIC)

TLE

P.E.
2" ASPHALTIC SURFACE OVER 4" BASE AGGREGATE DENSE 3/4-INCH

24'

CLEAR AND GRUB

60' - 18" CP W/ 2 APRON ENDWALLS.
INVERT EL. 857.40, 37' LT
DISCHARGE EL. 853.65, 31.7' LT

CAUTION

P.C. 70+65.45B

BP: 70+00.00B

189+00

188+00

PI: 72+00.69B

TLE

RW

WE ENERGIES (GAS)

CONCRETE SURFACE DRAIN

71+00B

72+00B

73+00B

EP: 73+40.00B

BRITZKE RD

4072
ALUMINUM MON.
Y=467,097.720
X=920,667.856

FRONTIER
(UG COMMUNICATIONS)

RW

STH 134

SLOPE INTERCEPT

CLEAR AND GRUB

ALLIANT (ELECTRIC)

28' - 12" CP W/ 2 APRON ENDWALLS.
29.75' RT
INVERT EL. 852.80
DISCHARGE EL. 849.75

P.E. 2" ASPHALTIC SURFACE OVER
4" BASE AGGREGATE DENSE 3/4-INCH

FRONTIER
(UG COMMUNICATIONS)

SPECIAL DITCH

ALLIANT (ELECTRIC)

N

5

5

2.07%

6.02%

-6.80%

-2.05%

-1.22%

-0.14%

-0.71%

STA 70+00.00
EL 861.93

STA 70+22.95
EL 863.31

VPC STA 70+25.00
VPC EL 863.35

HIGH POINT STA 70+48.37
HIGH POINT EL 863.60

VPT STA 71+25.00
VPT EL 860.99

VPC STA 71+70.00
VPC EL 857.93

VPI STA 72+45.00
VPI EL 852.83

STA 72+49.36
EL 849.50

STA 72+28.90
EL 849.75

VPT STA 73+20.00
VPT EL 851.29

STA 73+25.00
EL 851.19

STA 72+85.86
EL 849.45

STA 73+00.00
EL 849.35

VCL = 100.00
K = 11.27

VCL = 150.00
K = 31.58

SPECIAL DITCH

860
850
848

861.93
863.59
862.41
859.29
856.03
853.50
851.77

68 69 70 71 72 73 74 74

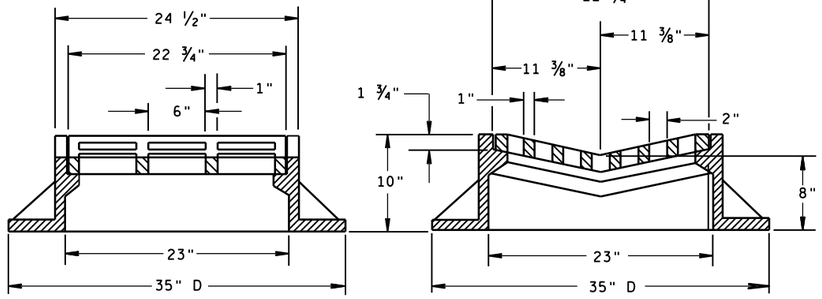
PROJECT NO: 3671-00-71	HWY: STH 134	COUNTY: DANE & JEFFERSON	PLAN AND PROFILE: BRIZKE RD	SHEET	E

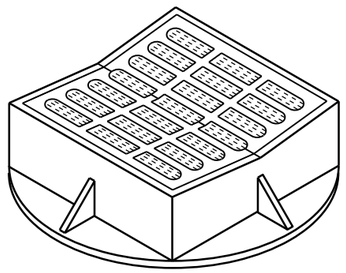
FILE NAME : L:\PROJECTS\12516\DWG\36710001\SHEETSPLAN\050105_PP.DWG PLOT DATE : 10/31/2016 2:12 PM PLOT BY : MOYER, TIM PLOT NAME : PLOT SCALE : 1" = 40'_XREF
WISDOT/CADDS SHEET 44

Standard Detail Drawing List

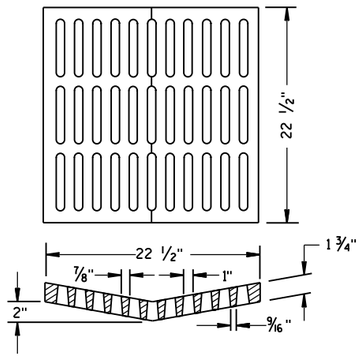
08A05-19B	INLET COVERS TYPE B, B-A, C, MS, MS-A, & WM
08A05-19C	INLET COVERS TYPE F, HM, HM-S, S, T, V, HM-GJ, & HM-GJ-S
08A05-19D	INLET COVER TYPE BW, MANHOLE COVERS, TYPE K, J, J-S, L & M
08A08-01	CATCH BASINS 3-FT, 4-FT, 5-FT AND 6-FT DIAMETER
08A09-01	CATCH BASINS 2X3-FT AND 2.5X3-FT
08B09-01	MANHOLES 3-FT, 4-FT, 5-FT, 6-FT, 7-FT AND 8-FT DIAMETER
08D01-18	CONCRETE CURB, CONCRETE CURB AND GUTTER AND TIES
08D03-06	CONCRETE SURFACE DRAINS DROP INLET TYPE AT STRUCTURES
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
08F02-01	APRON ENDWALLS FOR PIPE ARCH AND ELLIPTICAL PIPE
08F07-05	STEEL APRON ENDWALLS FOR CULVERT PIPE AND PIPE ARCH SLOPED SIDE FRAINS
09A01-13A	AT-GRADE SIDE ROAD INTERSECTION, TYPES "B1", "B2", "C" AND D AND TEE INTERSECTION BYPASS LANE
15A03-02A	FLEXIBLE MARKER POST FOR CULVERT END
15A03-02B	FLEXIBLE MARKER POST FOR CULVERT END
15C02-06A	BARRICADES AND SIGNS FOR MAINLINE CLOSURES
15C02-06B	BARRICADES AND SIGNS FOR MAINLINE CLOSURES
15C02-06C	DETOUR SIGNING FOR MAINLINE CLOSURES
15C03-03	BARRICADES AND SIGNS FOR SIDEROAD CLOSURES
15C04-03	TRAFFIC CONTROL, ADVANCE WARNING SIGNS 45 M.P.H. OR GREATER TWO-WAY UNDIVIDED ROAD OPEN TO TRAFFIC
15C08-16A	PAVEMENT MARKING (MAINLINE)
15C08-16B	PAVEMENT MARKING (INTERSECTIONS)
15C12-04	TRAFFIC CONTROL FOR LANE CLOSURE (SUITABLE FOR MOVING OPERATIONS)
15C19-03A	MOVING PAVEMENT MARKING OPERATION TWO-LANE TWO-WAY ROADWAY
15C33-01	STOP LINE AND CROSSWALK PAVEMENT MARKING
15D28-03	TRAFFIC CONTROL, WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY
16A01-06	LANDMARK REFERENCE MONUMENTS AND COVERS

6



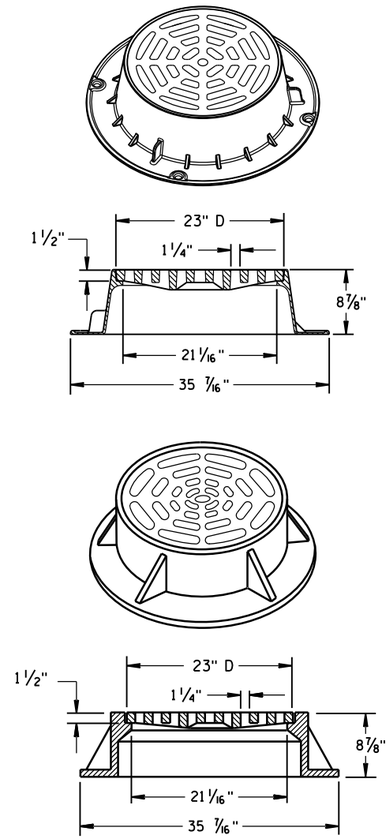


TYPE "B"



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"

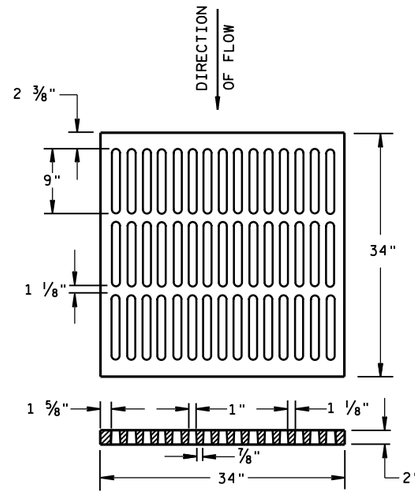
NOTE: EITHER CASTING IS ACCEPTABLE

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.

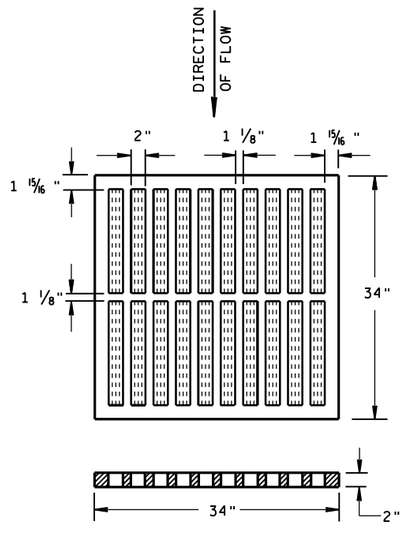
DETAIL DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR CATCH BASIN, MANHOLE AND INLET COVERS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

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



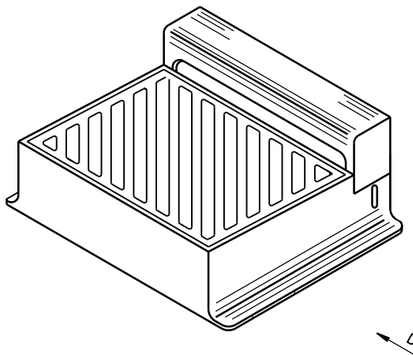
ALTERNATIVE TYPE "MS"

USE WHERE PEDESTRIAN OR BICYCLE TRAFFIC IS PERMITTED
NOTED AS TYPE MS-A ON THE DRAINAGE TABLE

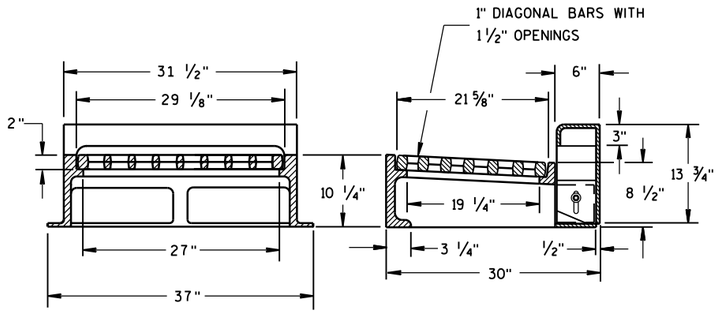


TYPE "MS"

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"

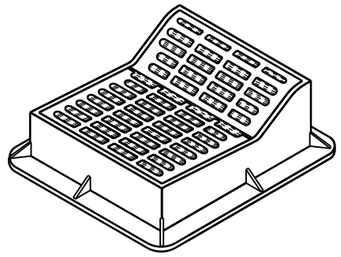
INLET COVERS
TYPE B, B-A, C, MS, MS-A, & WM

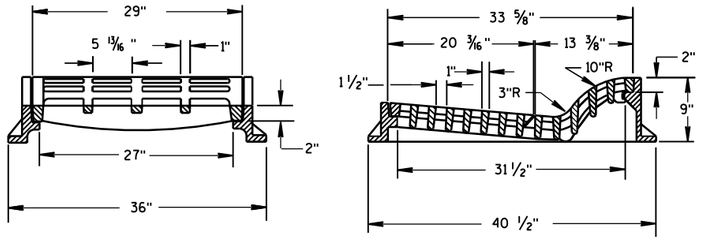
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
11/27/2013 — DATE
/S/ Jerry H. Zogg — ROADWAY STANDARDS ENGINEER
FHWA

6

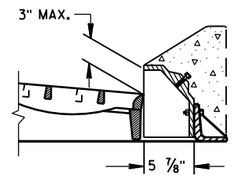
S.D.D. 8 A 5-19b





TYPE "F"

USE WITH TYPES A & D CONCRETE CURB & GUTTER, 36 INCH.



ALTERNATIVE CURB BOX FOR TYPE "HM" COVER

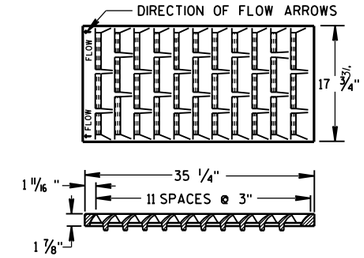
USE WITH TYPES G & J CONCRETE CURB & GUTTER, 30 INCH
NOTED AS TYPE HM-GJ ON DRAINAGE TABLE

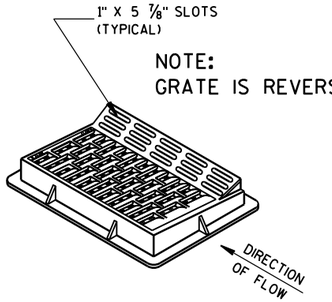
NOTE:
SPECIAL GRATE FOR THE
TYPE "H" COVER MAY ALSO BE
USED FOR THE TYPE "HM-GJ" COVER
NOTED AS TYPE HM-GJ-S ON DRAINAGE TABLE

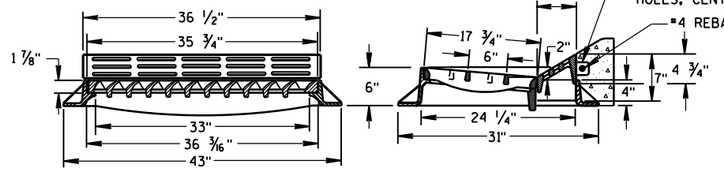
GENERAL NOTES

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 INLET COVERS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.



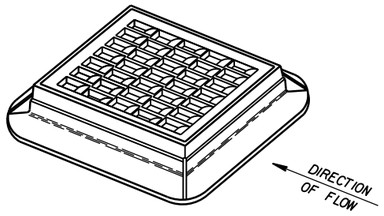


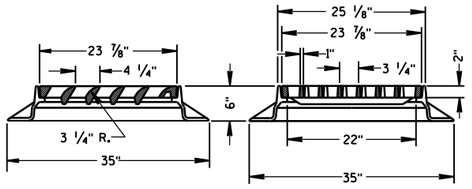


TYPE "HM"

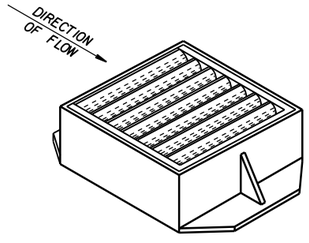
USE WITH TYPES A & D CONCRETE CURB & GUTTER, 36 INCH.

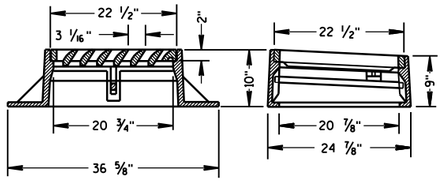
NOTE:
SPECIAL GRATE FOR THE
TYPE "H" COVER MAY ALSO BE
USED FOR THE TYPE "HM" COVER
NOTED AS TYPE HM-S ON DRAINAGE TABLE



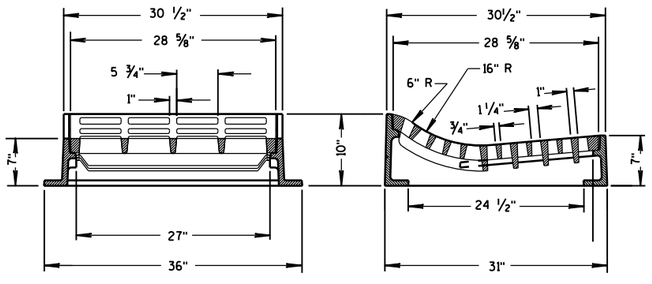


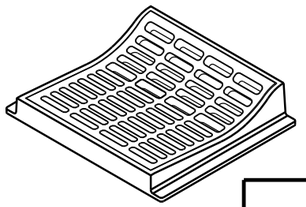
TYPE "S"





TYPE "V"





TYPE "T"

USE WITH TYPES R & T CONCRETE CURB & GUTTER, 36 INCH.

INLET COVERS
TYPE F, HM, HM-S, S, T, V, HM-GJ, & HM-GJ-S

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

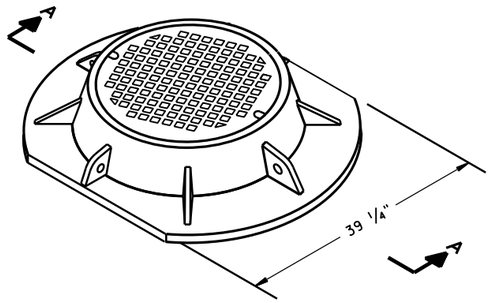
APPROVED
11/27/2013
DATE

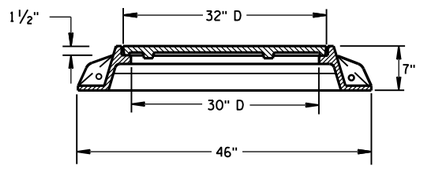
/S/ Jerry H. Zogg
ROADWAY STANDARDS ENGINEER

FHWA

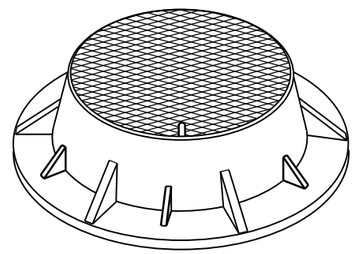
6

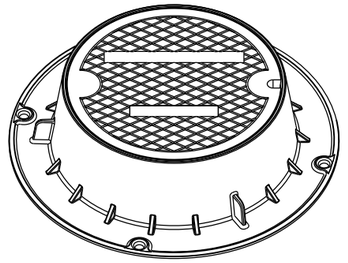
S.D.D. 8 A 5-19c

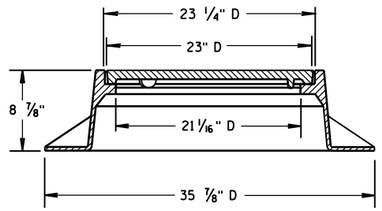


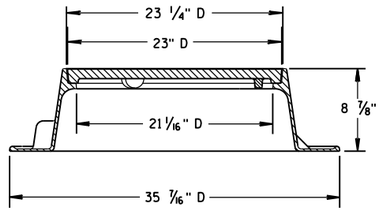


SECTION A-A
TYPE "K"









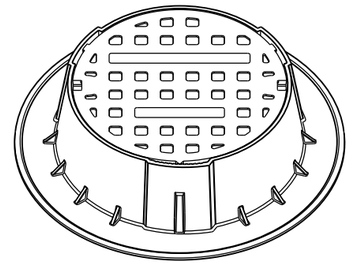
TYPE "J"
NOTE: EITHER CASTING IS ACCEPTABLE

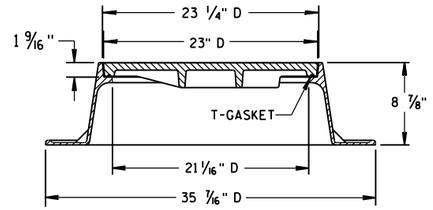
GENERAL NOTES

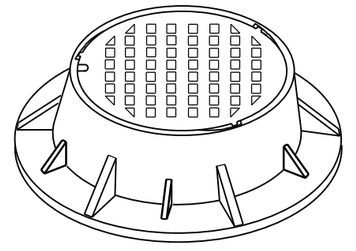
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

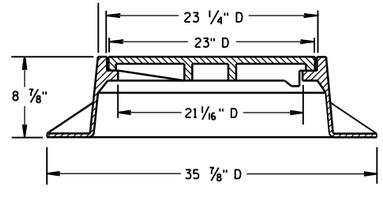
DETAIL DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR MANHOLE COVERS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

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

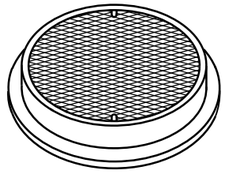


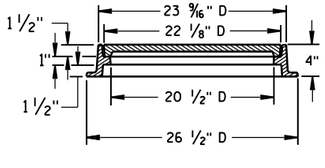




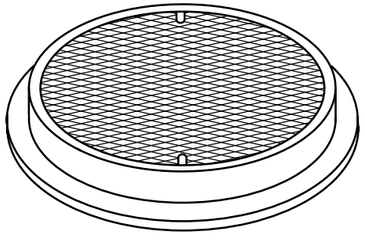


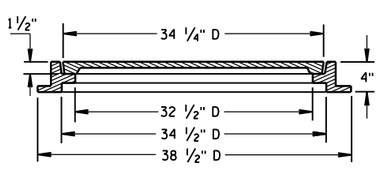
TYPE "J" SPECIAL
TYPE "B" NON-ROCKING SELF-SEAL LID
(NOTED AS TYPE J-S ON THE DRAINAGE TABLE)
NOTE: EITHER CASTING IS ACCEPTABLE



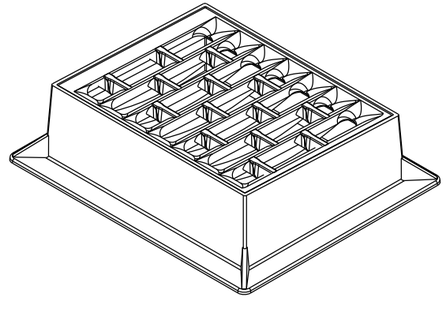


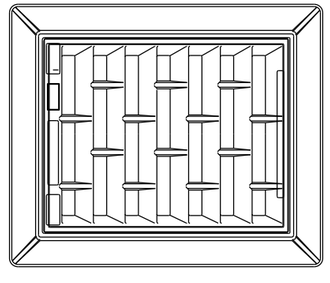
TYPE "L"

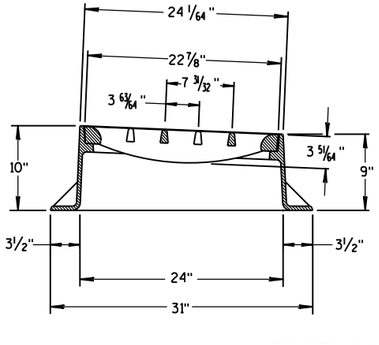


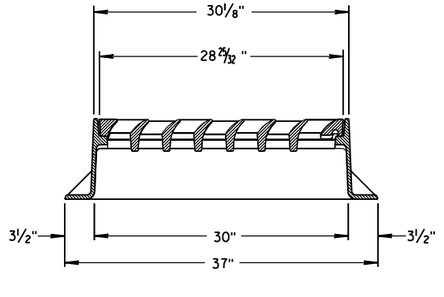


TYPE "M"









INLET COVER TYPE "BW"

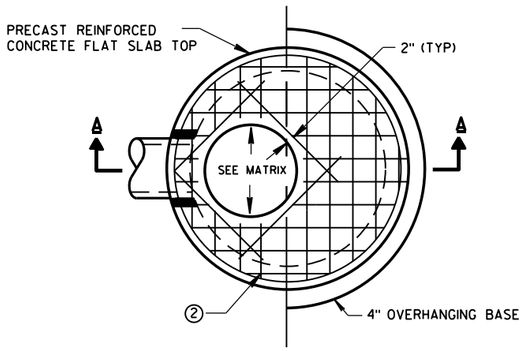
INLET COVER TYPE BW
MANHOLE COVERS, TYPE K, J, J-S, L & M

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

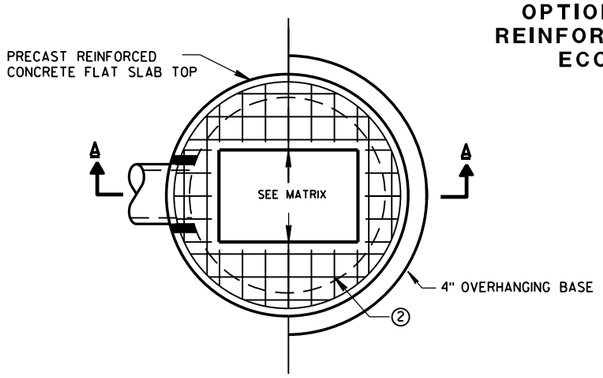
APPROVED
11/27/2013
DATE
/S/ Jerry H. Zogg
ROADWAY STANDARDS DEVELOPMENT ENGINEER
FHWA

6

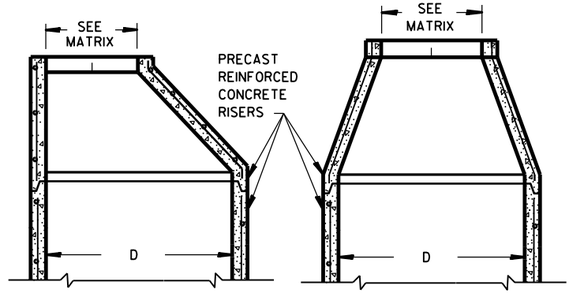
S.D.D. 8 A 5-19d



PLAN VIEW CIRCULAR OPENING

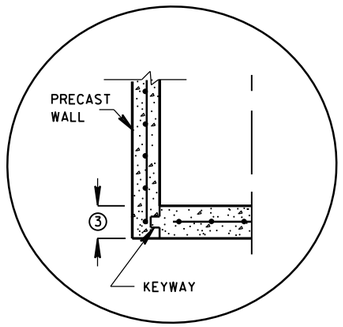


PLAN VIEW RECTANGULAR OPENING



OPTIONAL PRECAST REINFORCED CONCRETE ECCENTRIC TOP

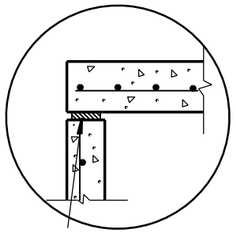
OPTIONAL PRECAST REINFORCED CONCRETE CONCENTRIC TOP



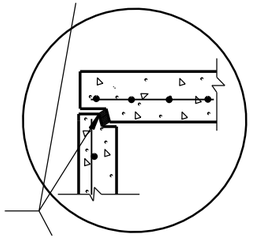
PRECAST REINFORCED CONCRETE WITH INTEGRAL BASE OPTION

SEPARATE PRECAST REINFORCED CONCRETE BASE OPTION

DETAIL "A"

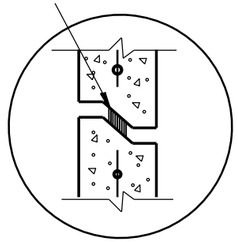


TOP WITH PLAIN END JOINT



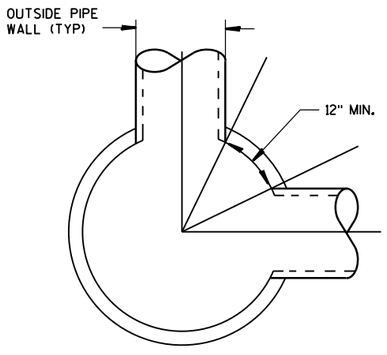
JOINTS TO BE SEALED WITH A BUTYL RUBBER SEAL PER SEALANT MANUFACTURERS RECOMMENDATIONS CONFORMING TO ASTM C 990 (TYP)

TOP WITH TONGUE AND GROOVE JOINT

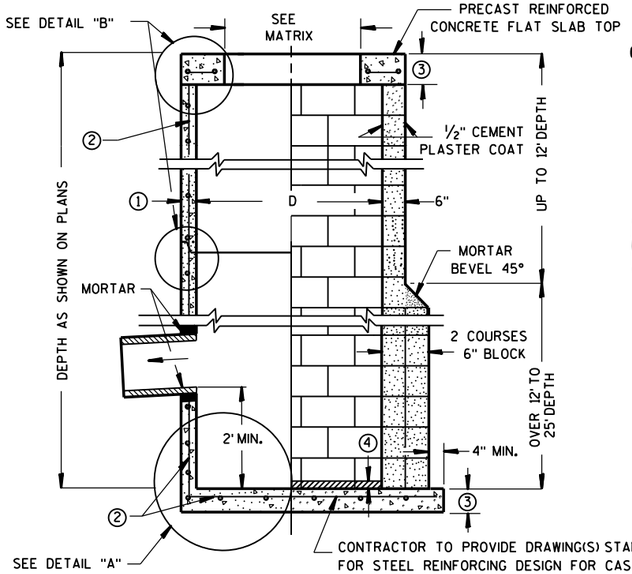


RISER WITH TONGUE AND GROOVE JOINT

DETAIL "B"



DETAIL "C"



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

SECTION A-A

PRECAST REINFORCED CONCRETE WITH MONOLITHIC BASE

CONCRETE BLOCK WITH CAST-IN-PLACE OR PRECAST REINFORCED CONCRETE BASE ②

GENERAL NOTES

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

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

DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR UNDERGROUND DRAINAGE STRUCTURES SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ALL DRAINAGE STRUCTURES ARE DESIGNATED ON THE PLANS AS "MANHOLES 3X3-L", "CATCH BASINS 4-B", "INLETS 2X3-H", ETC. THE FIRST NUMBERS DESIGNATE THE SIZE OF THE STRUCTURE, AND THE FOLLOWING LETTER DESIGNATES THE TYPE OF COVER TO BE USED TO COMPRISE THE COMPLETE UNIT.

BASES SHALL BE PLACED ON A BED OF MATERIAL AT LEAST 6 INCHES IN DEPTH, WHICH MEETS THE REQUIREMENTS OF GRANULAR BACKFILL. THIS BEDDING SHALL BE COMPACTED AND PROVIDE UNIFORM SUPPORT FOR THE ENTIRE AREA OF THE BASE.

PRECAST REINFORCED CONCRETE CONE TOPS (ECCENTRIC OR CONCENTRIC) OR PRECAST REINFORCED CONCRETE FLAT SLAB TOPS MAY BE USED ON CONCRETE BLOCK STRUCTURES. THE TOPS SHALL BE INSTALLED ON A BED OF MORTAR.

ECCENTRIC CONE TOPS MAY BE USED ON ALL STRUCTURES, AND CONCENTRIC CONE TOPS SHALL BE USED ONLY ON STRUCTURES 5 FEET OR LESS IN DEPTH, UNLESS OTHERWISE DIRECTED BY THE ENGINEER.

STEPS MEETING AASHTO M199 AND THE FOLLOWING REQUIREMENTS SHALL BE INSTALLED IN ALL STRUCTURES OVER 5 FEET IN DEPTH: 16 INCH C-C MAXIMUM SPACING; PROJECT A MINIMUM CLEAR DISTANCE OF 4 INCHES FROM THE WALL AT THE POINT OF EMBEDMENT; MINIMUM LENGTH OF 10 INCHES; MINIMUM WALL EMBEDMENT OF 3 INCHES. FERROUS METAL STEPS NOT PAINTED OR TREATED TO RESIST CORROSION SHALL HAVE A MINIMUM CROSS SECTIONAL DIMENSION OF 1 INCH.

STEPS OF APPROVED POLYPROPYLENE PLASTIC COATED REINFORCEMENT BAR ARE ACCEPTABLE. REINFORCING BAR MUST BE A MINIMUM OF 1/2 INCH AND MEET THE REQUIREMENTS OF ASTM A615.

CERTIFICATION SHALL BE PROVIDED THAT INSTALLED STEPS WHEN TESTED IN ACCORDANCE WITH SECTION 10 OF AASHTO T280 CAN WITHSTAND A VERTICAL LOAD OF 800 LBS. AND A HORIZONTAL LOAD OF 400 LBS.

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 AASHTO DESIGNATION M199.

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

CONCRETE BLOCK WILL NOT BE PERMITED FOR STRUCTURES GREATER THAN 4 FEET IN DIAMETER.

4" OVERHANGING BASES ARE REQUIRED FOR ALL CONCRETE BLOCK INSTALLATIONS. 4" OVERHANG IS REQUIRED WHEN SEPARATE PRECAST BASE IS PROVIDED. OVERHANG IS NOT REQUIRED ON PRECAST STRUCTURES WITH AN INTEGRAL OR MONOLITHIC BASE.

FOR ADDITIONAL CONFIGURATIONS, MAINTAIN A MINIMUM OF 12 INCHES AS MEASURED FROM THE INSIDE OF THE STRUCTURE WALL BETWEEN THE OUTSIDE PIPE WALLS OF ADJACENT PIPES. SEE DETAIL "C".

① MINIMUM WALL THICKNESS SHALL BE 4 INCHES FOR 3-FT, 5 INCHES FOR 4-FT, 6 INCHES FOR 5-FT AND 7 INCHES FOR 6-FT DIAMETER PRECAST CATCH BASINS.

② FOR PRECAST CATCH BASINS PROVIDE REINFORCING STEEL IN ACCORDANCE TO AASHTO M199.

③ PRECAST FLAT SLAB TOPS AND BASES WITH A DIAMETER OF 48" AND LESS SHALL HAVE A MINIMUM THICKNESS OF 6". PRECAST FLAT SLAB TOPS AND BASES WITH A DIAMETER LARGER THAN 48" SHALL HAVE A MINIMUM THICKNESS OF 8".

④ 1" CONCRETE KEY POURED AFTER INSTALLATION. 2' SUMP MEASURED FROM TOP OF KEY.

CATCH BASIN COVER OPENING MATRIX

CATCH BASIN SIZE	INLET COVER TYPE	ALL A'S	ALL B'S	BW	C	F	ALL H'S	S	T	V	WM	Z
	OPENING SIZE (FT)											
3-FT	2X2	X	X					X		X		
	2 DIA.				X							X
4-FT-6-FT	2X2	X	X					X		X		
	2X2.5			X				X	X	X	X	
	2 DIA.				X							X
	2X3						X					
	2.5X3					X						

PIPE MATRIX

CATCH BASIN SIZE	MAXIMUM INSIDE PIPE DIAMETER FOR TWO PIPES	
	180° SEPARATION (IN)	90° SEPARATION (IN)
3-FT	15	12
4-FT	24	18
5-FT	36	24
6-FT	42	30

CATCH BASINS 3-FT, 4-FT, 5-FT AND 6-FT DIAMETER

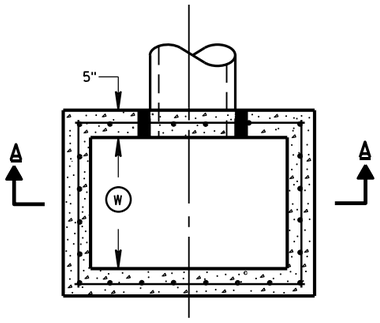
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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

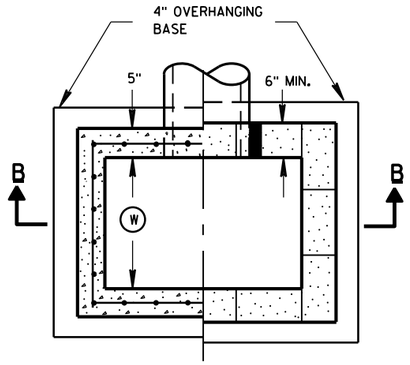
CATCH BASINS 3-FT, 4-FT, 5-FT AND 6-FT DIAMETER

6

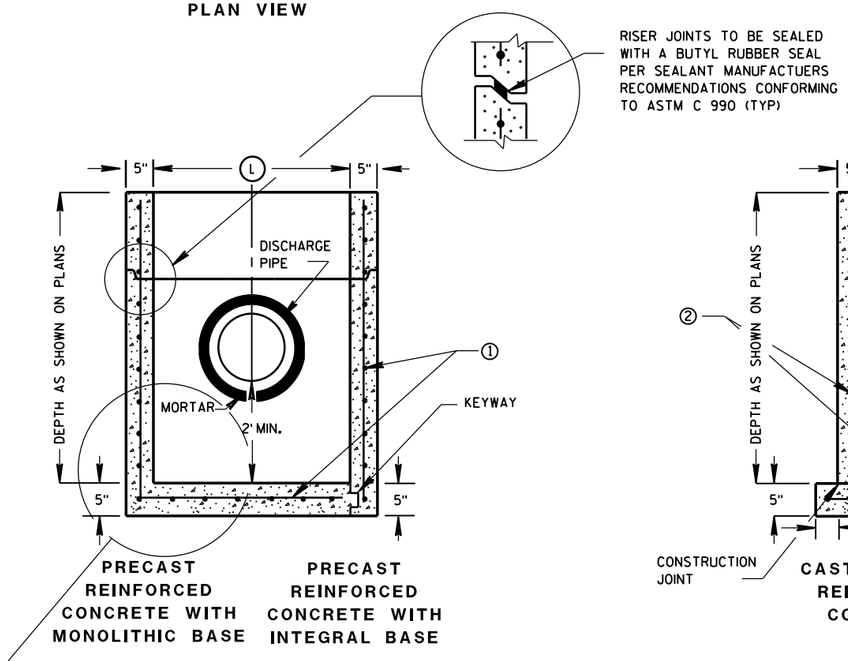
S.D.D. 8 A 8-1



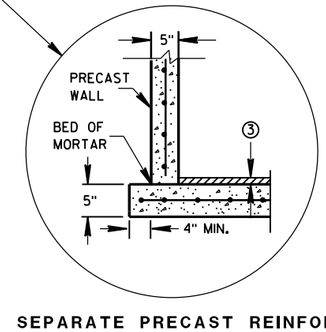
PLAN VIEW



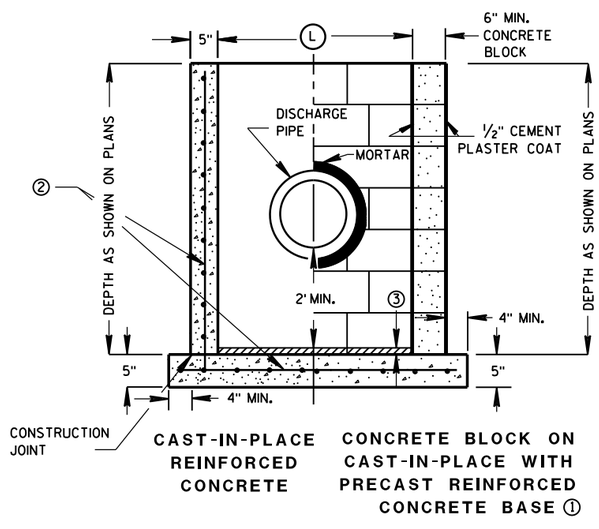
PLAN VIEW



SECTION A-A



SEPARATE PRECAST REINFORCED CONCRETE BASE OPTION



SECTION B-B

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 CATCH BASIN UNITS REQUIRED FOR THE PROJECT UNTIL A LIST OF SIZES IS FURNISHED BY THE ENGINEER.

DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR UNDERGROUND DRAINAGE STRUCTURES SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

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

ALL DRAINAGE STRUCTURES ARE DESIGNATED ON THE PLANS AS "MANHOLES 3X3-L", "CATCH BASINS 4-B", "INLETS 2X3-H", ETC. THE FIRST NUMBERS DESIGNATES THE SIZE OF THE STRUCTURE, AND THE FOLLOWING LETTER DESIGNATES THE TYPE OF COVER TO BE USED TO COMPRISE THE COMPLETE UNIT.

BASES SHALL BE PLACED ON A BED OF MATERIAL AT LEAST 6 INCHES IN DEPTH, WHICH MEETS THE REQUIREMENTS OF GRANULAR BACKFILL. THIS BEDDING SHALL BE COMPACTED AND PROVIDE UNIFORM SUPPORT FOR THE ENTIRE AREA OF THE BASE.

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.

4" OVERHANGING BASES ARE REQUIRED FOR CAST-IN-PLACE REINFORCED CONCRETE AND CONCRETE BLOCK INSTALLATIONS.
4" OVERHANG IS REQUIRED WHEN SEPARATE PRECAST BASE IS PROVIDED.
OVERHANG IS NOT REQUIRED ON PRECAST STRUCTURES WITH AN INTEGRAL OR MONOLITHIC BASE.

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 CATCH BASINS 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.

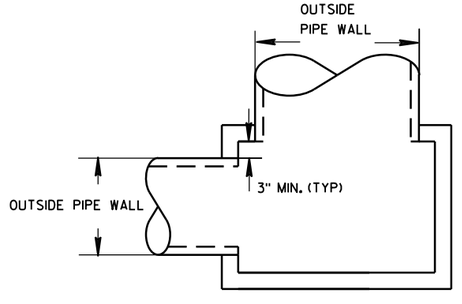
③ 1" CONCRETE KEY POURED AFTER INSTALLATION. 2' SUMP MEASURED FROM TOP OF KEY.

CATCH BASIN COVER MATRIX

CATCH BASIN SIZE		INLET COVER TYPE	F	ALL H'S
	WIDTH (W) (FT)	LENGTH (L) (FT)		
2X3-FT	2	3		X
2.5X3-FT	2.5	3	X	

PIPE MATRIX

CATCH BASIN SIZE	MAXIMUM INSIDE PIPE DIAMETER FOR TWO PIPES	
	WIDTH (IN)	LENGTH (IN)
2X3-FT	12	24
2.5X3-FT	18	24



DETAIL "A"

CATCH BASINS 2X3-FT AND 2.5X3-FT

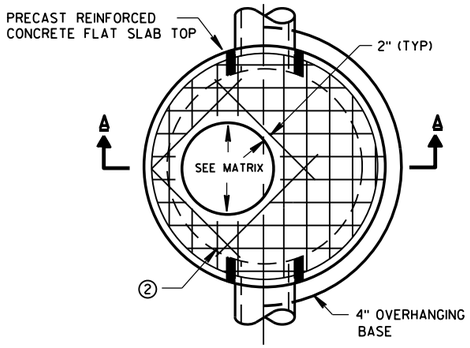
CATCH BASINS 2X3-FT AND 2.5X3-FT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

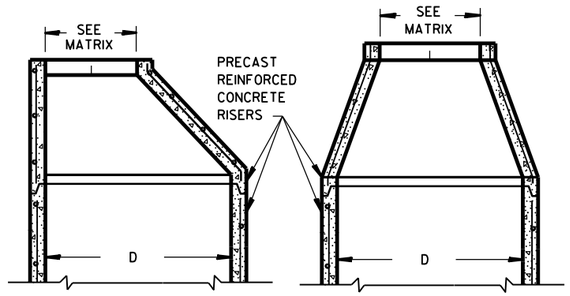
APPROVED
6/5/2012 — DATE
/S/ Jerry H. Zogg — ROADWAY STANDARDS ENGINEER
FHWA
NT

6

S.D.D. 8 A 9-1

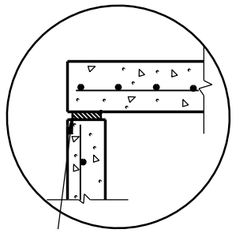


PLAN VIEW CIRCULAR OPENING

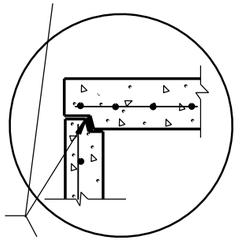


OPTIONAL PRECAST REINFORCED CONCRETE ECCENTRIC TOP

OPTIONAL PRECAST REINFORCED CONCRETE CONCENTRIC TOP

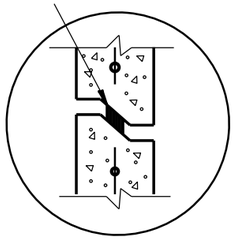


TOP WITH PLAIN END JOINT



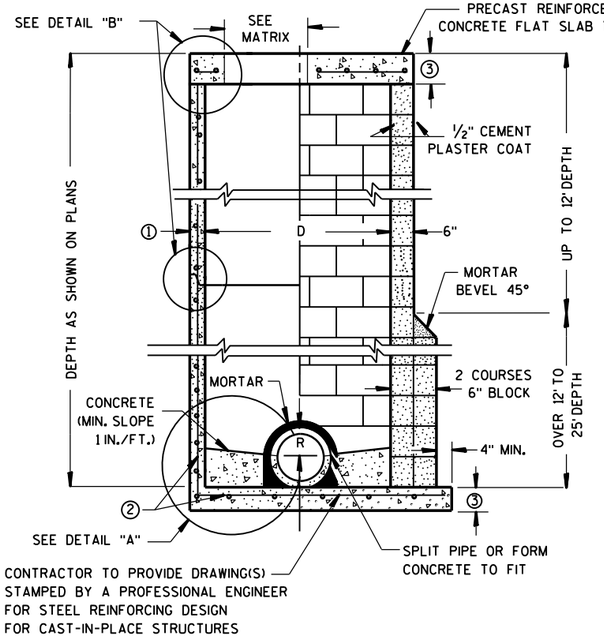
JOINTS TO BE SEALED WITH A BUTYL RUBBER SEAL PER SEALANT MANUFACTURERS RECOMMENDATIONS CONFORMING TO ASTM C990 (TYP)

TOP WITH TONGUE AND GROOVE JOINT



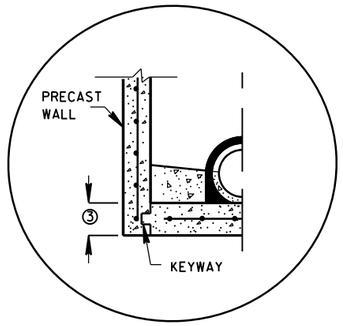
RISER WITH TONGUE AND GROOVE JOINT

DETAIL "B"

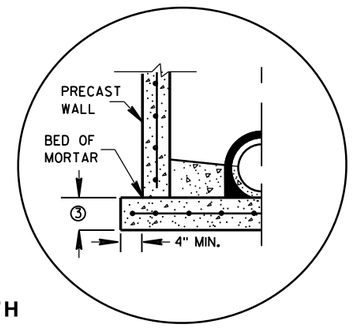


PRECAST REINFORCED CONCRETE WITH MONOLITHIC BASE

CONCRETE BLOCK WITH CAST-IN-PLACE OR PRECAST REINFORCED CONCRETE BASE ②

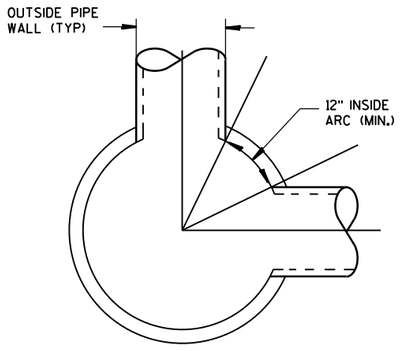


PRECAST REINFORCED CONCRETE WITH INTEGRAL BASE OPTION



SEPARATE PRECAST REINFORCED CONCRETE BASE OPTION

DETAIL "A"



DETAIL "C"

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 MANHOLE UNITS REQUIRED FOR THE PROJECT UNTIL A LIST OF SIZES IS FURNISHED BY THE ENGINEER.

DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR UNDERGROUND DRAINAGE STRUCTURES SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ALL DRAINAGE STRUCTURES ARE DESIGNATED ON THE PLANS AS "MANHOLES 3X3-L", "CATCH BASINS 4-B", "INLETS 2X3-H", ETC. THE FIRST NUMBERS DESIGNATE THE SIZE OF THE STRUCTURE, AND THE FOLLOWING LETTER DESIGNATES THE TYPE OF COVER TO BE USED TO COMPRISE THE COMPLETE UNIT.

BASES SHALL BE PLACED ON A BED OF MATERIAL AT LEAST 6 INCHES IN DEPTH, WHICH MEETS THE REQUIREMENTS OF GRANULAR BACKFILL. THIS BEDDING SHALL BE COMPACTED AND PROVIDE UNIFORM SUPPORT FOR THE ENTIRE AREA OF THE BASE.

PRECAST REINFORCED CONE TOPS (ECCENTRIC OR CONCENTRIC) OR PRECAST REINFORCED FLAT SLAB TOPS MAY BE USED ON CONCRETE BLOCK STRUCTURES. THE CONE TOPS SHALL BE INSTALLED ON A BED OF MORTAR.

ECCENTRIC CONE TOPS MAY BE USED ON ALL STRUCTURES, AND CONCENTRIC CONE TOPS SHALL BE USED ONLY ON STRUCTURES 5 FEET OR LESS IN DEPTH, UNLESS OTHERWISE DIRECTED BY THE ENGINEER.

STEPS MEETING AASHTO M199 AND THE FOLLOWING REQUIREMENTS SHALL BE INSTALLED IN ALL STRUCTURES OVER 5 FEET IN DEPTH: 16 INCH C-C MAXIMUM SPACING; PROJECT A MINIMUM CLEAR DISTANCE OF 4 INCHES FROM THE WALL AT THE POINT OF EMBEDMENT; MINIMUM LENGTH OF 10 INCHES; MINIMUM WALL EMBEDMENT OF 3 INCHES. FERROUS METAL STEPS NOT PAINTED OR TREATED TO RESIST CORROSION SHALL HAVE A MINIMUM CROSS SECTIONAL DIMENSION OF 1 INCH.

STEPS OF APPROVED POLYPROPYLENE PLASTIC COATED REINFORCEMENT BAR ARE ACCEPTABLE. REINFORCING BAR MUST BE A MINIMUM OF ½" AND MEET THE REQUIREMENTS OF ASTM A615.

CERTIFICATION SHALL BE PROVIDED THAT INSTALLED STEPS WHEN TESTED IN ACCORDANCE WITH SECTION 10 OF AASHTO T280 CAN WITHSTAND A VERTICAL LOAD OF 800 LBS. AND A HORIZONTAL LOAD OF 400 LBS.

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

CONCRETE BLOCK WILL NOT BE PERMITED FOR STRUCTURES GREATER THAN 4 FEET IN DIAMETER.

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

ALL PRECAST MANHOLE UNITS SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF AASHTO DESIGNATION M 199.

4" OVERHANGING BASES ARE REQUIRED FOR ALL CONCRETE BLOCK INSTALLATIONS. 4" OVERHANG IS REQUIRED WHEN SEPARATE PRECAST BASE IS PROVIDED. OVERHANG IS NOT REQUIRED ON PRECAST STRUCTURES WITH AN INTEGRAL OR MONOLITHIC BASE.

FOR ADDITIONAL CONFIGURATIONS, MAINTAIN A MINIMUM OF 12 INCHES AS MEASURED FROM THE INSIDE OF THE STRUCTURE WALL BETWEEN THE OUTSIDE PIPE WALLS OF ADJACENT PIPES. SEE DETAIL "C".

① MINIMUM WALL THICKNESS SHALL BE 4 INCHES FOR 3-FT, 5 INCHES FOR 4-FT, 6 INCHES FOR 5-FT, 7 INCHES FOR 6-FT, 8 INCHES FOR 7-FT AND 9 INCHES FOR 8-FT DIAMETER PRECAST MANHOLES.

② FOR PRECAST MANHOLES PROVIDE REINFORCING STEEL IN ACCORDANCE TO AASHTO M199.

③ PRECAST FLAT SLAB TOPS AND BASES WITH A DIAMETER OF 48" AND LESS SHALL HAVE A MINIMUM THICKNESS OF 6". PRECAST FLAT SLAB TOPS AND BASES WITH A DIAMETER LARGER THAN 48" SHALL HAVE A MINIMUM THICKNESS OF 8".

MANHOLE COVER OPENING MATRIX

MANHOLE COVER TYPE	C	ALL J'S	K	L	M
OPENING SIZE (FT)					
2 DIA.	X	X		X	
3 DIA.			X		X

PIPE MATRIX

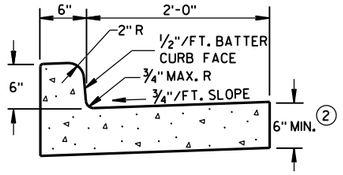
MANHOLE SIZE	MAXIMUM INSIDE PIPE DIAMETER FOR TWO PIPES	
	180° SEPARATION (IN)	90° SEPARATION (IN)
3-FT	15	12
4-FT	24	18
5-FT	36	24
6-FT	42	36
7-FT	48	36
8-FT	60	42

MANHOLES 3-FT, 4-FT, 5-FT, 6-FT, 7-FT AND 8-FT DIAMETER

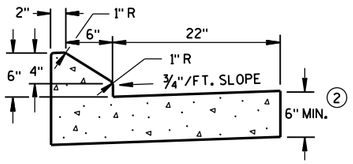
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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

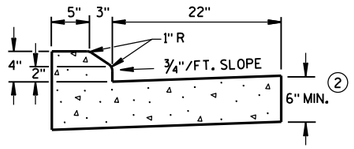
6
S.D.D. 8 B 9-1



TYPES A & D ①

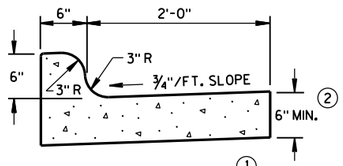


6" SLOPED CURB TYPES G & J ①

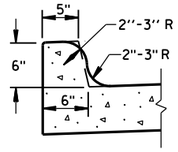


4" SLOPED CURB TYPES G & J ①

CONCRETE CURB & GUTTER 30"

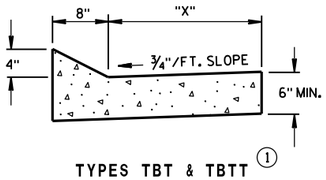


TYPES K & L ①



OPTIONAL CURB SHAPE FOR TYPES K & L ①

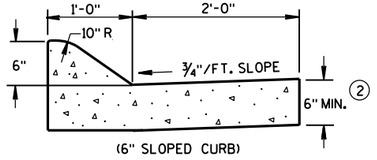
CONCRETE CURB & GUTTER 30"



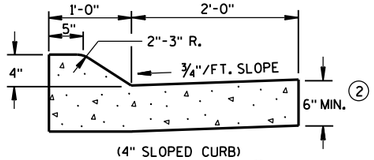
TYPES TBT & TBTT ①

CONCRETE CURB & GUTTER

TBT & TBTT	"X"
30"	22"
36"	28"

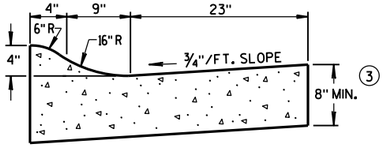


(6" SLOPED CURB)



(4" SLOPED CURB)

TYPES A & D ①



4" SLOPED CURB TYPES R & T ① ④

CONCRETE CURB & GUTTER 36"

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

PAVEMENT TIES AND TIE BARS SHALL BE EPOXY COATED IN CONFORMANCE WITH SUBSECTION 505.2.6.2 OF THE STANDARD SPECIFICATIONS.

INTEGRAL CURB & GUTTER SHALL CONFORM TO THE DETAILS SHOWN FOR CONCRETE CURB & GUTTER INCLUDING THE TRANSVERSE GUTTER SLOPE. A LONGITUDINAL CONSTRUCTION JOINT IS NOT REQUIRED WITH INTEGRAL CURB AND GUTTER.

WHERE THE TRANSVERSE JOINTS IN THE PAVEMENT ARE REQUIRED TO BE SEALED, THE JOINTS IN THE INTEGRAL CURB AND GUTTER SHALL BE SEALED TO THE FACE OF CURB WITH THE SAME TYPE OF SEALANT. THE COST OF FURNISHING AND INSTALLING THIS SEALANT SHALL BE INCIDENTAL TO THE ITEM CONCRETE CURB AND GUTTER.

UNLESS OTHERWISE SHOWN ON THE TYPICAL CROSS SECTIONS, THE BASE AGGREGATE AND COMMON EXCAVATION LIMITS ARE 2'-0" BEHIND THE BACK OF CURBS.

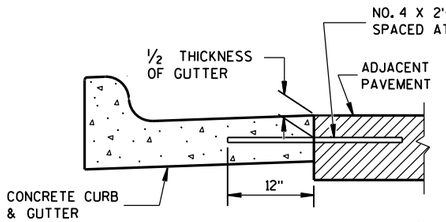
① TIE BARS ARE REQUIRED FOR CURB AND GUTTER TYPES A, G, K, R AND TBTT.

② THE BOTTOM OF CURB AND GUTTER MAY BE CONSTRUCTED EITHER LEVEL OR PARALLEL TO THE SLOPE OF THE SUBGRADE OR BASE AGGREGATE PROVIDED A 6" MINIMUM GUTTER THICKNESS IS MAINTAINED.

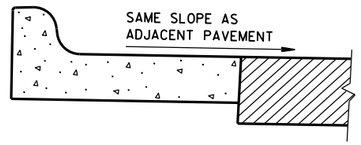
③ THE BOTTOM OF CURB AND GUTTER MAY BE CONSTRUCTED EITHER LEVEL OR PARALLEL TO THE SLOPE OF THE SUBGRADE OR BASE AGGREGATE PROVIDED A 8" MINIMUM GUTTER THICKNESS IS MAINTAINED.

④ THE FACE OF CURB IS 6" FROM THE BACK OF CURB.

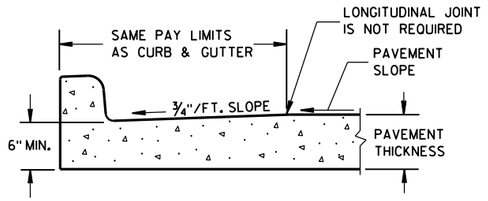
⑤ WHEN REVERSE SLOPE GUTTER IS REQUIRED, THE LOCATION(S) WILL BE SHOWN ELSEWHERE IN THE PLAN.



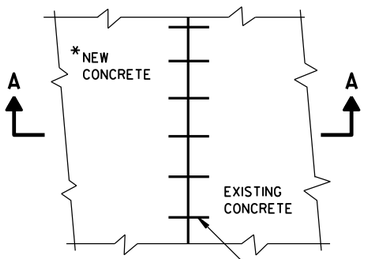
TYPICAL TIE BAR LOCATION ①



REVERSE SLOPE GUTTER ⑤
(TYPICAL FOR ALL CURB & GUTTER TYPES)

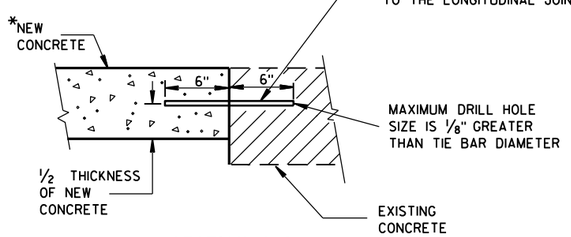


PARTIAL SECTION OF PAVEMENT WITH INTEGRAL CURB & GUTTER



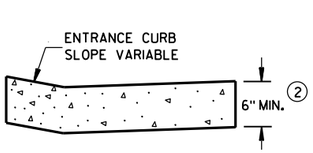
PLAN VIEW

*NEW CURB & GUTTER, SURFACE DRAINS, CONCRETE PAVEMENT OR OTHER NEW CONCRETE.

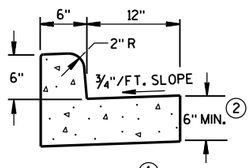


SECTION A-A

TIE BARS DRILLED INTO EXISTING PAVEMENT

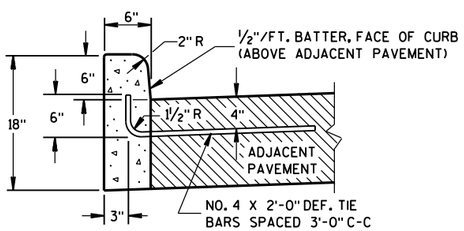


DRIVEWAY ENTRANCE CURB
(WHEN DIRECTED BY THE ENGINEER)

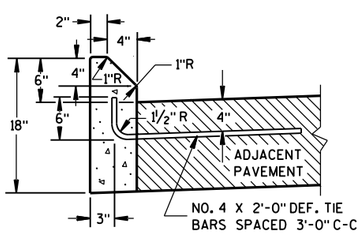


① TYPES A & D

CONCRETE CURB & GUTTER 18"

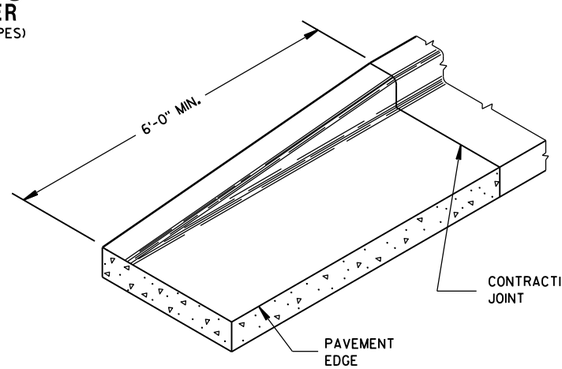


① TYPES A & D



① TYPES G & J

CONCRETE CURB



END SECTION CURB & GUTTER

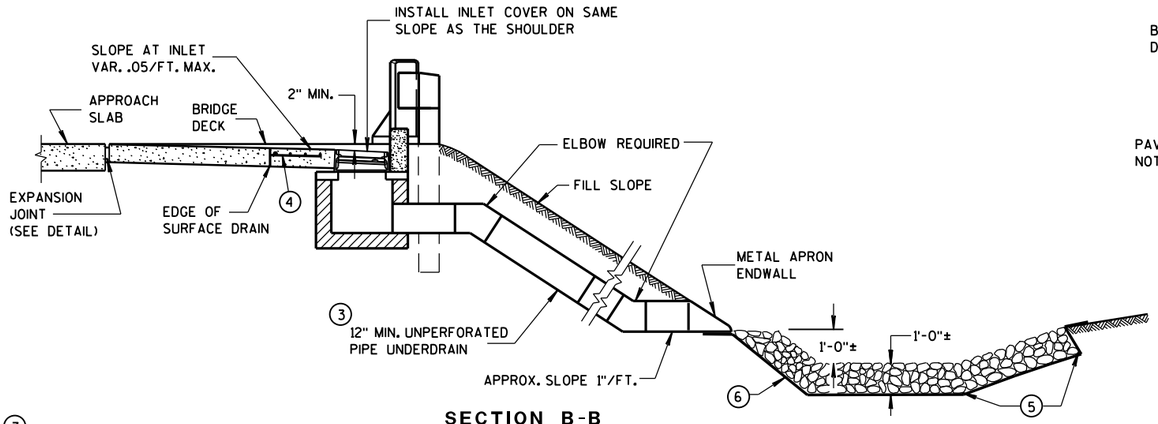
CONCRETE CURB, CONCRETE CURB & GUTTER AND TIES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

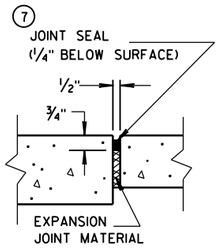
APPROVED
June, 2015 — DATE
/S/ Jerry H. Zogg — ROADWAY STANDARDS ENGINEER
FHWA

6

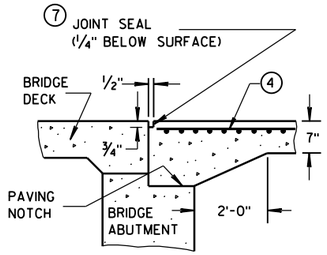
S.D.D. 8 D 1-18



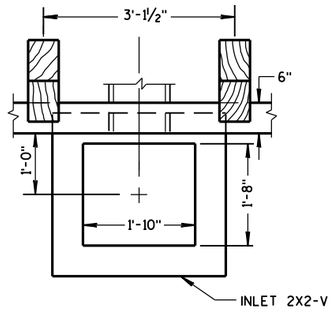
SECTION B-B



EXPANSION JOINT DETAIL



SECTION D-D



PLAN VIEW

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) THE PIPE UNDERDRAIN MAY BE ANY ONE OF THE SIX MATERIALS LISTED IN THE STANDARD SPECIFICATIONS SECTION 612.2 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.

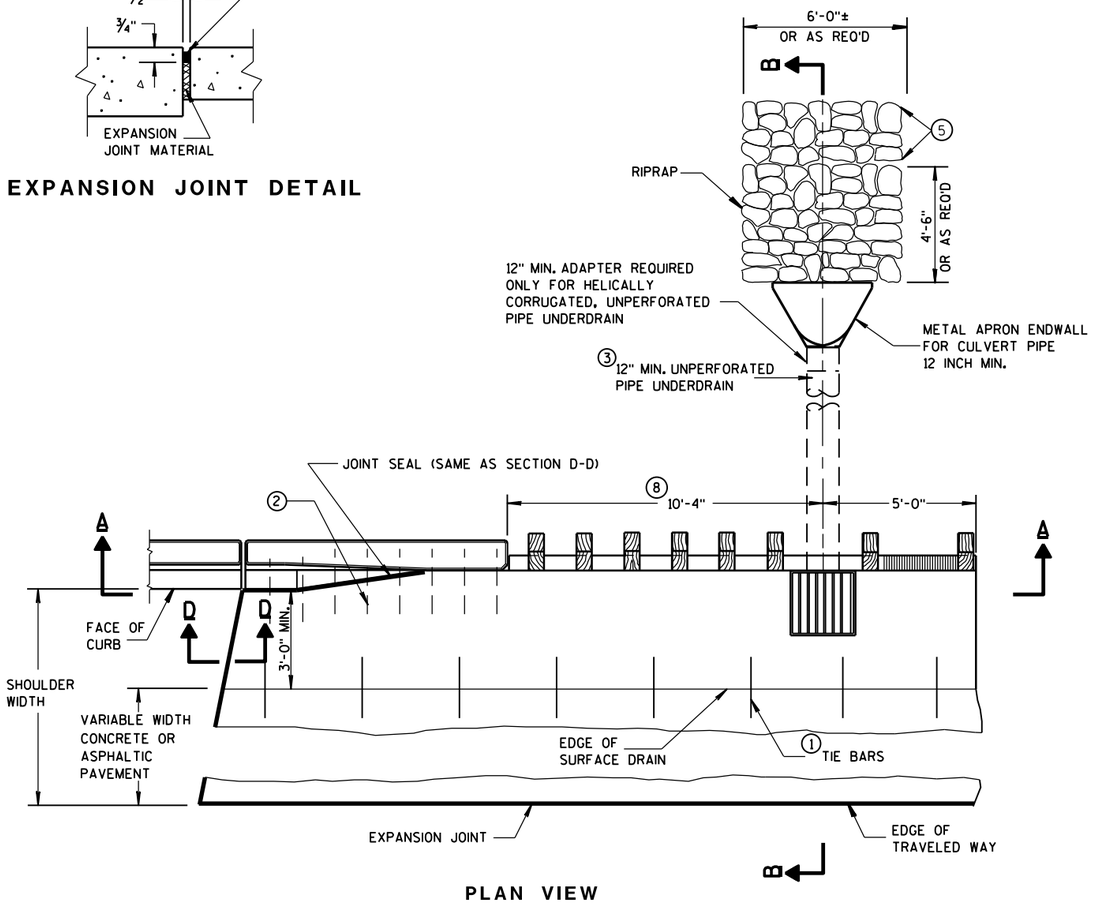
(5) LIMITS OF ADDITIONAL RIPRAP WHEN SPECIAL DITCH IS REQUIRED.

(6) GEOTEXTILE FABRIC, TYPE 'R"

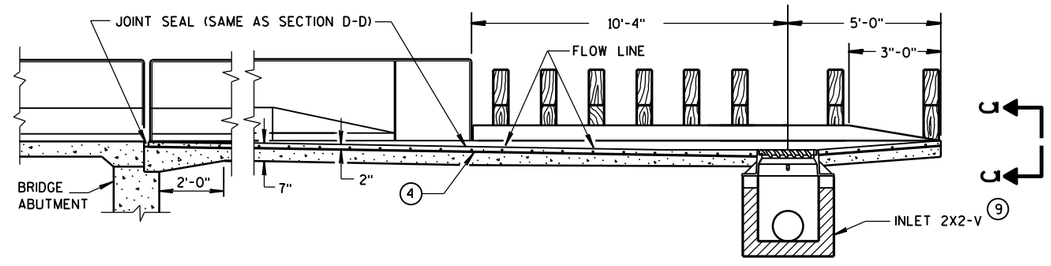
(7) HOT POURED SEALANT UNLESS OTHERWISE SPECIFIED.

(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".

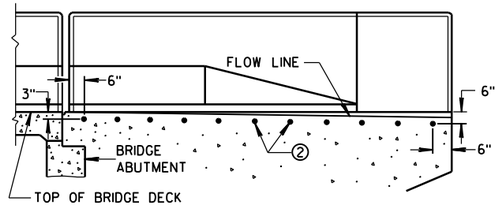
(9) SEE CURRENT STANDARD DETAIL DRAWINGS 8A5 AND 8C7 FOR DETAILS.



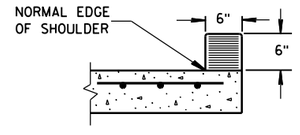
PLAN VIEW



SECTION A-A



LOCATION OF TIE BARS IN WINGWALL



SECTION C-C

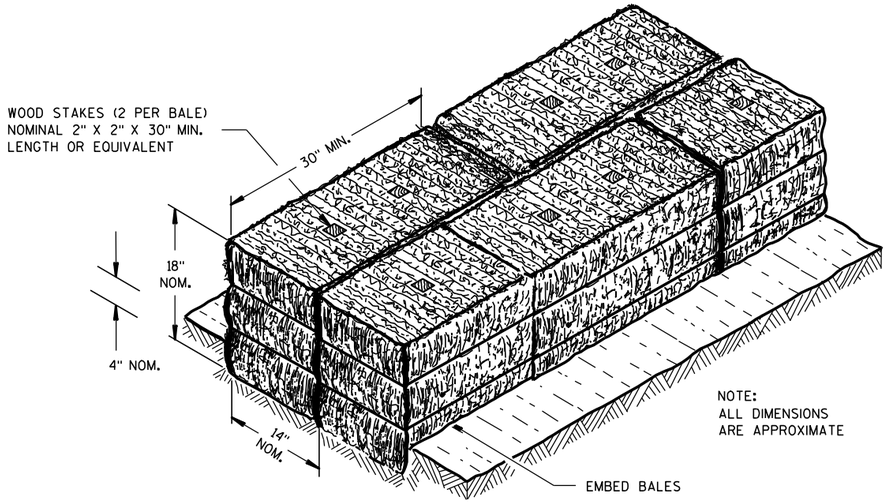
CONCRETE SURFACE DRAINS
DROP INLET TYPE
AT STRUCTURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

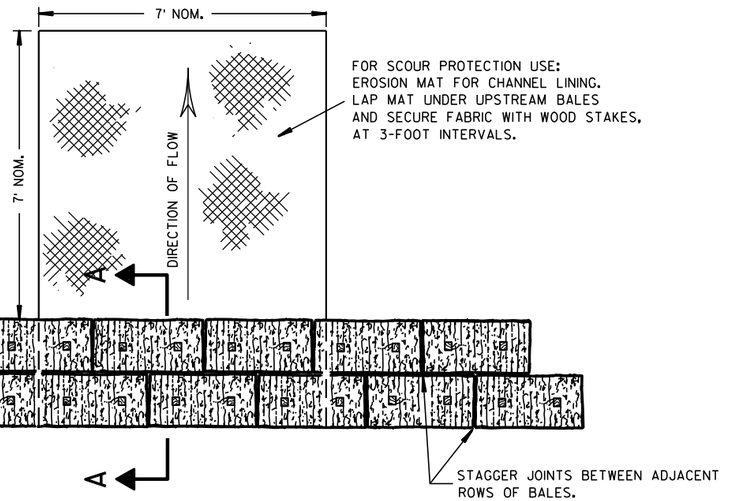
APPROVED
9/4/08 — DATE
/S/ Jerry H. Zogg — ROADWAY STANDARDS ENGINEER
FHWA

6

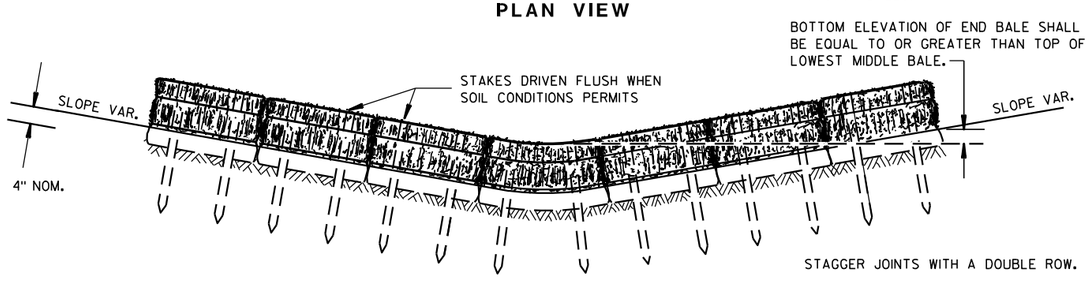
S.D.D. 8 D 3-6



SECTION A-A



PLAN VIEW



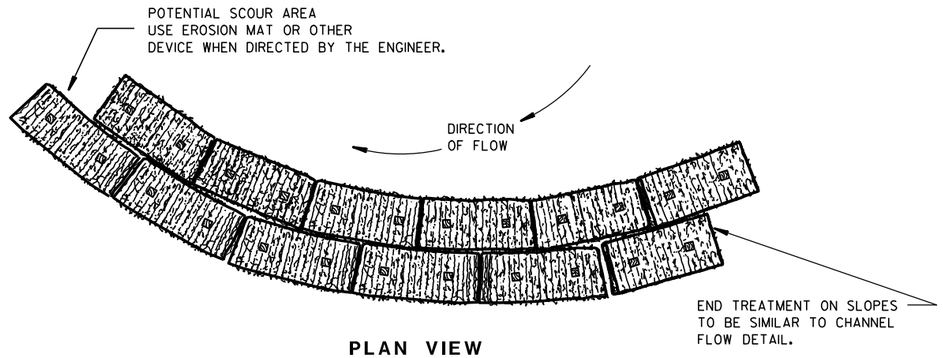
FRONT ELEVATION

TEMPORARY DITCH CHECK USING EROSION BALES (1)

GENERAL NOTES

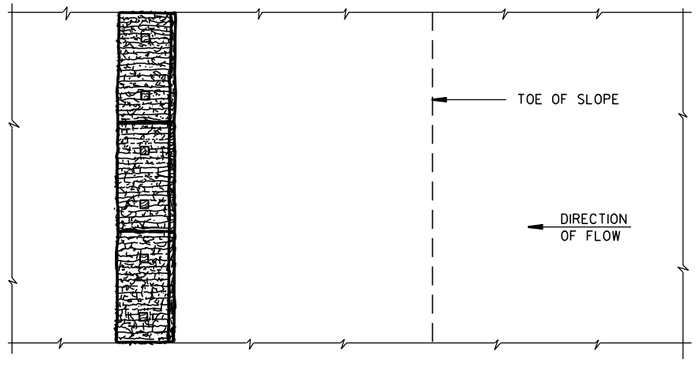
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

(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.

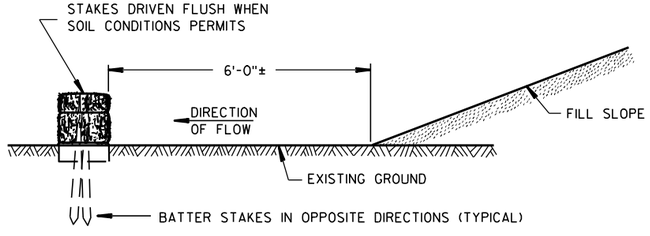


PLAN VIEW

WHEN ALTERING THE DIRECTION OF FLOW



PLAN VIEW



FRONT ELEVATION

WHEN EXISTING GROUND SLOPES AWAY FROM FILL SLOPE

EROSION BALES FOR SHEET FLOW

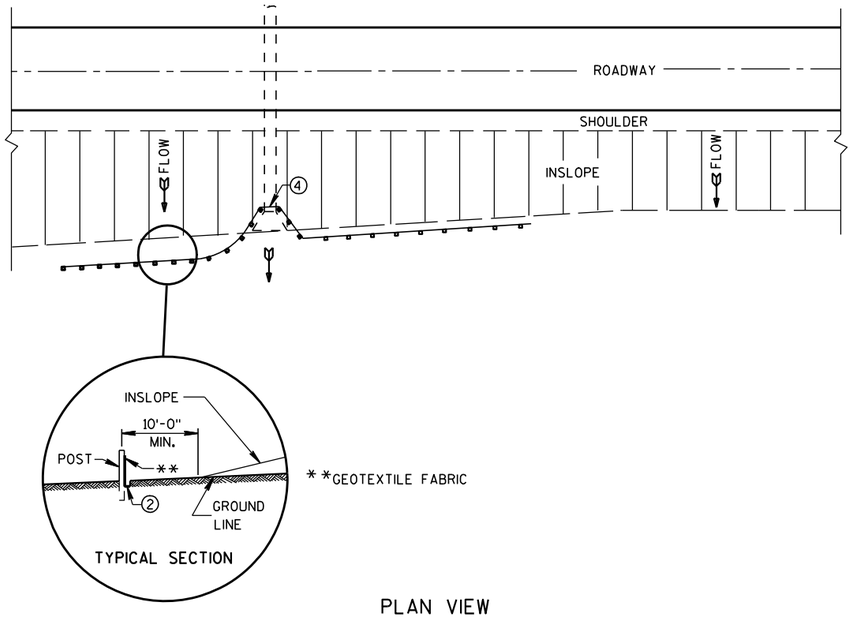
TYPICAL INSTALLATIONS OF EROSION BALES / TEMPORARY DITCH CHECKS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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

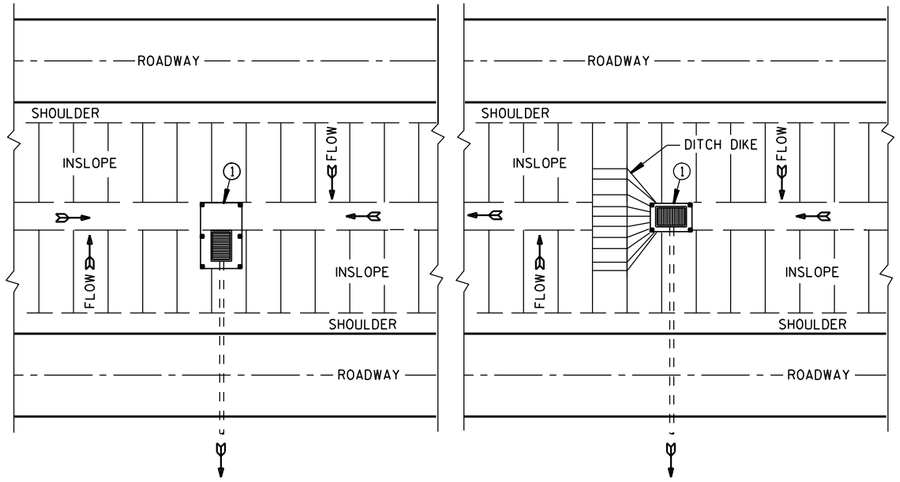
6

S.D.D. 8 E 8-3



PLAN VIEW

TYPICAL APPLICATION OF SILT FENCE



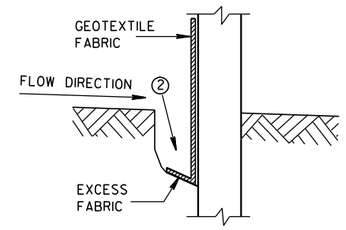
PLAN VIEW

SILT FENCE AT MEDIAN SURFACE DRAINS

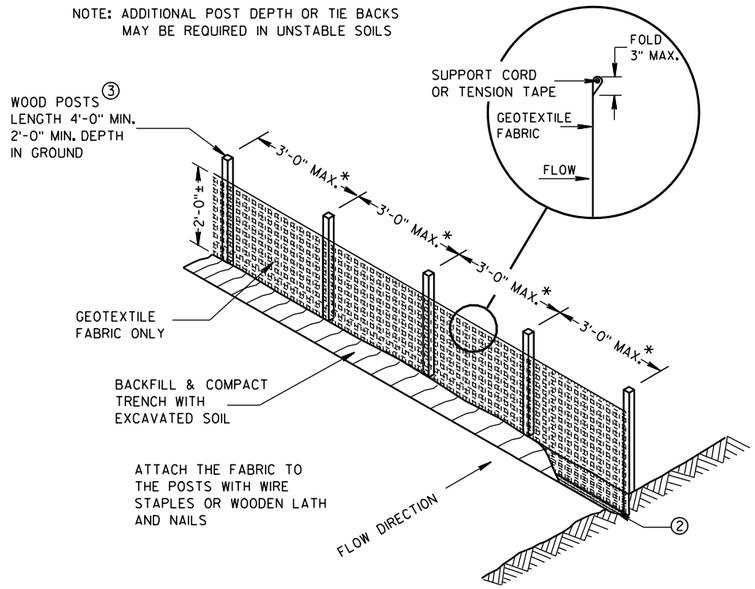
GENERAL NOTES

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

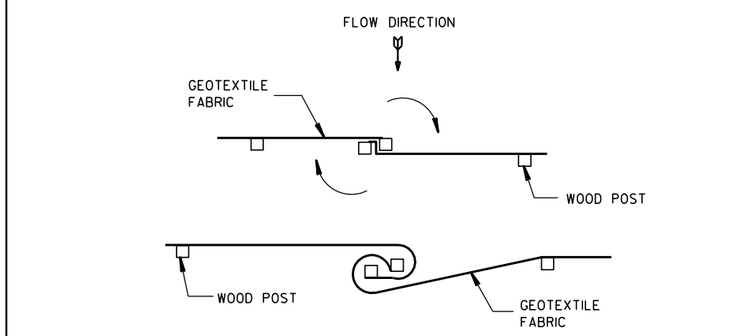
1. HORIZONTAL BRACE REQUIRED WITH 2" X 4" WOODEN FRAME OR EQUIVALENT AT TOP OF POSTS.
2. FOR MANUAL INSTALLATIONS THE TRENCH SHALL BE A MINIMUM OF 4" WIDE & 6" DEEP TO BURY AND ANCHOR THE GEOTEXTILE FABRIC. FOLD MATERIAL TO FIT TRENCH AND BACKFILL & COMPACT TRENCH WITH EXCAVATED SOIL.
3. WOOD POSTS SHALL 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.



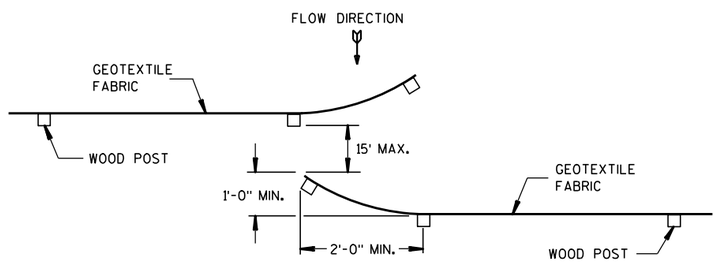
TRENCH DETAIL



SILT FENCE

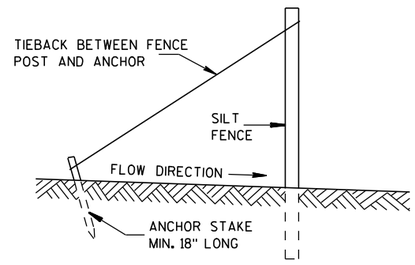


TWIST METHOD



HOOK METHOD

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 Cannestra
CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

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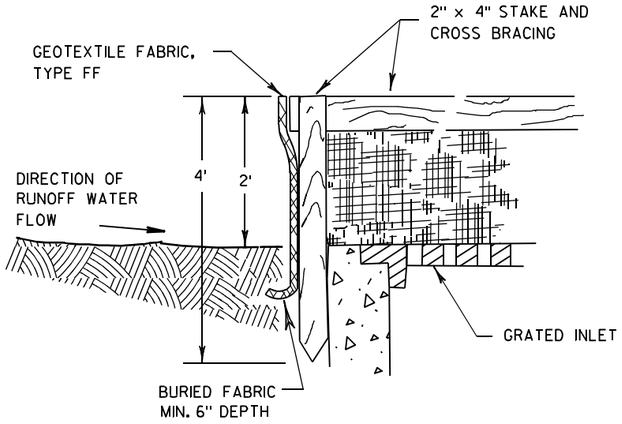
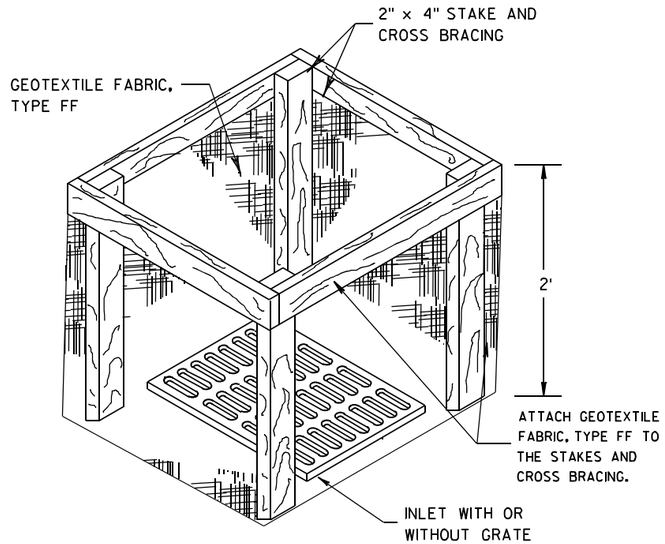
S.D.D. 8 E 9-6

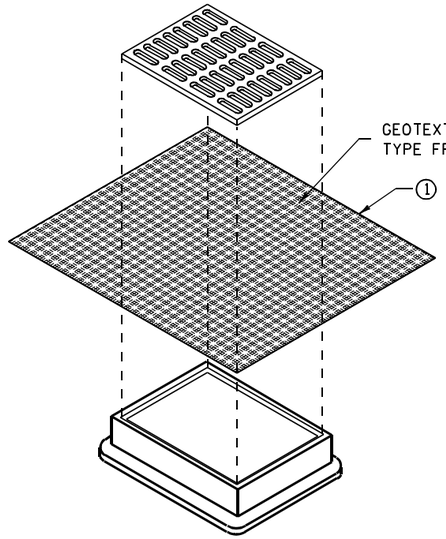
6

S.D.D. 8 E 9-6



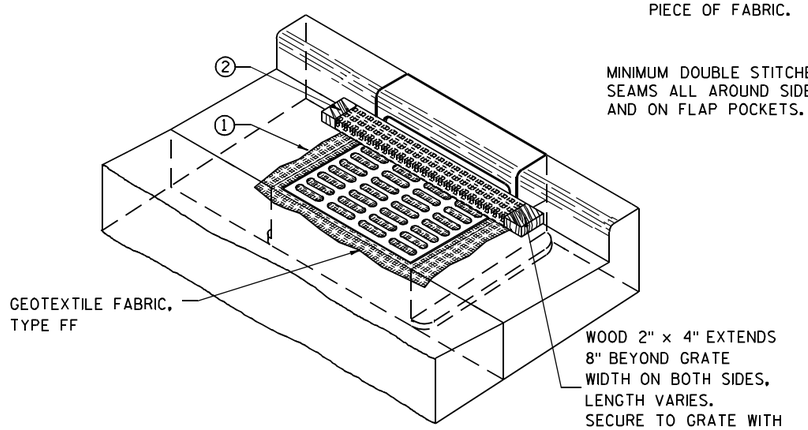


INLET PROTECTION, TYPE A

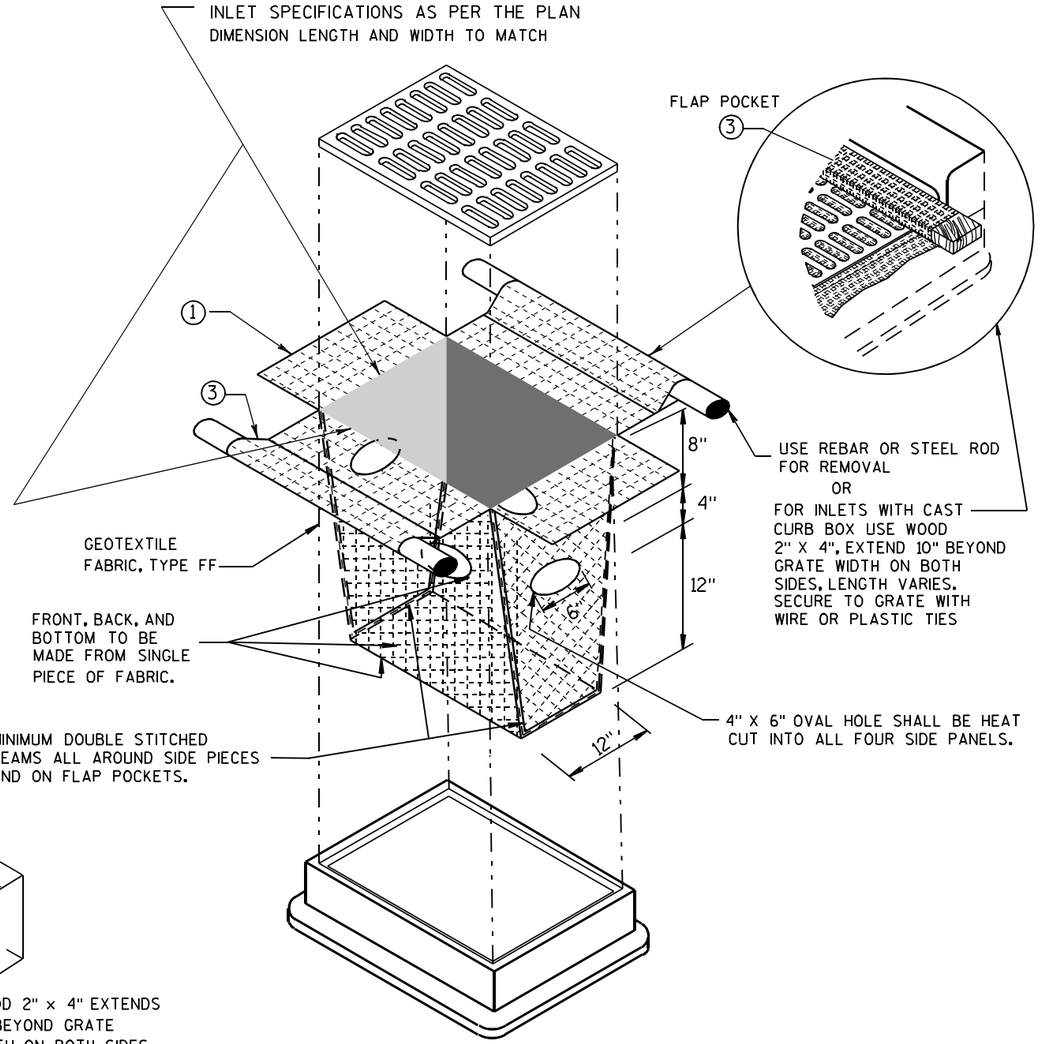


INLET PROTECTION, TYPE B
(WITHOUT CURB BOX)

(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 Cannestra
CHIEF ROADWAY DEVELOPMENT ENGINEER

FHWA

6

S.D.D. 8 E 10-2

METAL APRON ENDWALLS

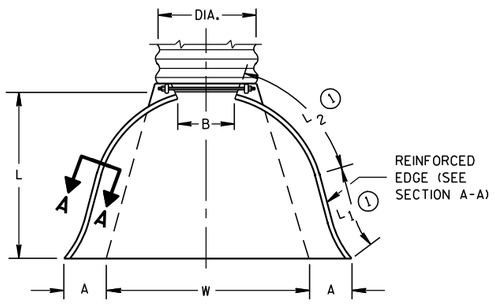
PIPE DIA. (IN.)	MIN. THICK. (Inches) STEEL	MIN. THICK. (Inches) ALUM.	DIMENSIONS (Inches) A (±1")	B (MAX.)	H (±1")	L (±1 1/2")	L1 ①	L2 ①	W (±2")	APPROX. SLOPE	BODY
12	.064	.060	6	6	6	21	12	17 1/2	24	2 1/2 to 1	1 Pc.
15	.064	.060	7	8	6	26	14	21 3/4	30	2 1/2 to 1	1 Pc.
18	.064	.060	8	10	6	31	15	28 1/4	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

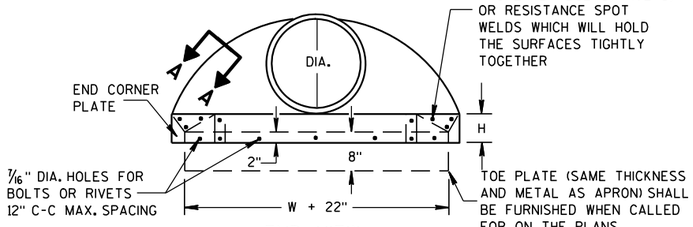
REINFORCED CONCRETE APRON ENDWALLS

PIPE DIA. (IN.)	DIMENSIONS (Inches) T	A	B	C	D	E	G	APPROX. SLOPE
12	2	4	24	48 7/8	72 1/8	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

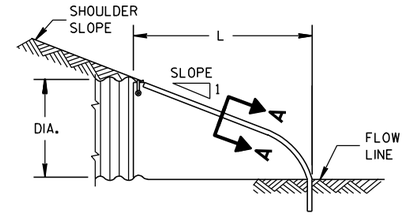
*MINIMUM
**MAXIMUM



PLAN VIEW

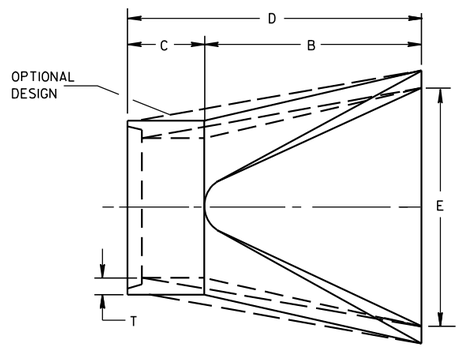


END VIEW

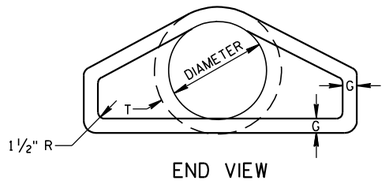


SIDE ELEVATION

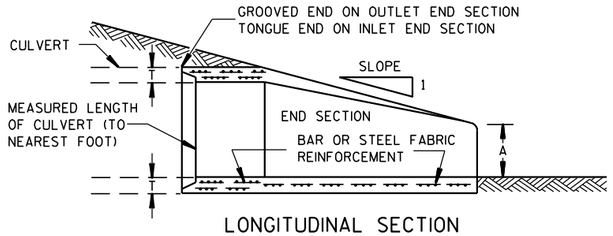
METAL ENDWALLS



PLAN

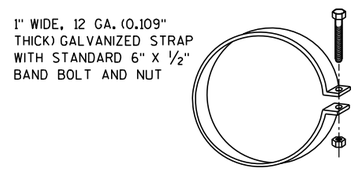


END VIEW



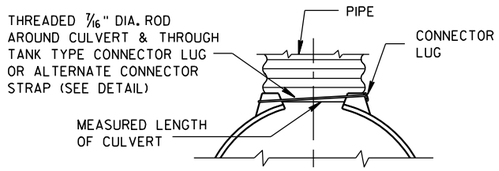
LONGITUDINAL SECTION

CONCRETE ENDWALLS

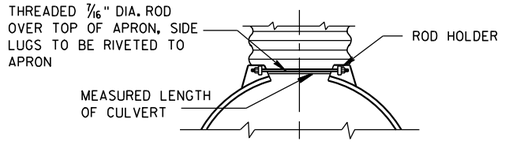


ALTERNATE FOR TYPE 1 CONNECTION

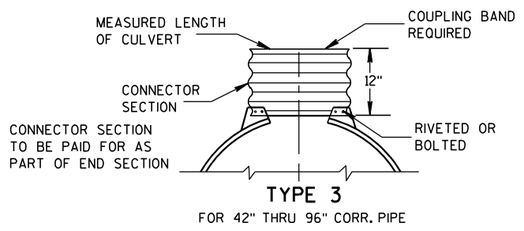
END SECTION CONNECTOR STRAP



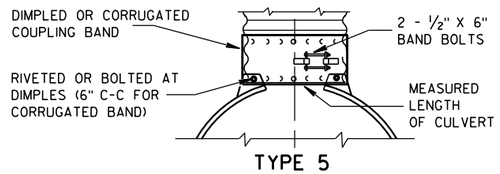
TYPE 1
FOR 12" THRU 24" CORR. PIPE



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

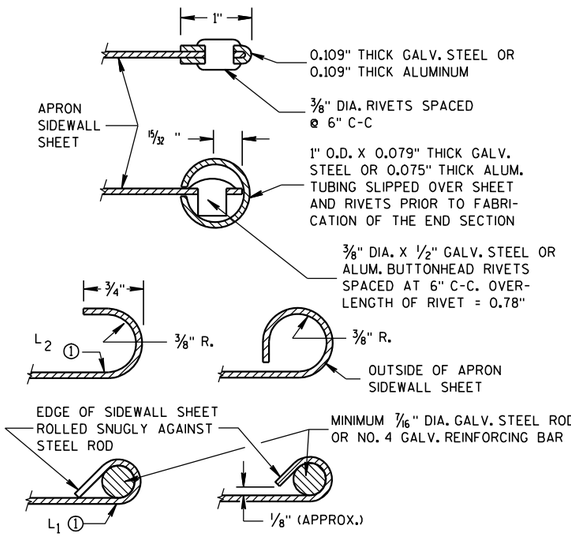
NOTE: DIMPLED BAND FITS OVER OUTSIDE OF ENDWALL. AND CORRUGATED BAND FITS INSIDE ENDWALL. DIMPLED BAND MAY BE USED WITH HELICALLY CORRUGATED PIPE.

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.

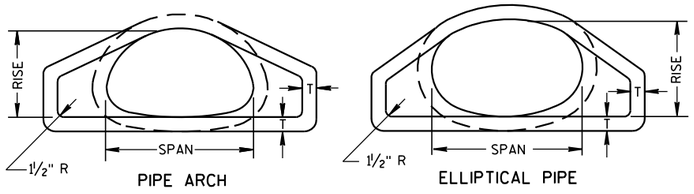
① FOR PIPE SIZES UP TO 60" DIAMETER, A 180° ROLLED EDGE MAY BE USED INSTEAD OF STEEL ROD REINFORCEMENT. SEE SECTION A-A.

APRON ENDWALLS FOR CULVERT PIPE

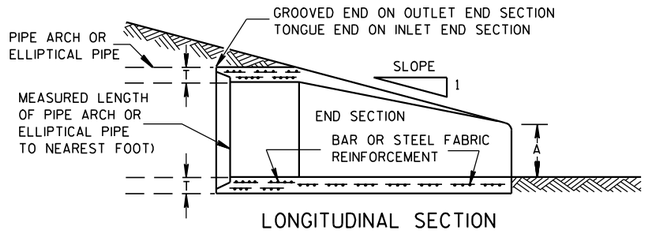
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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

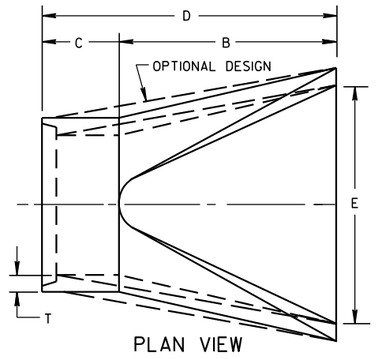
6
S.D.D. 8 F 1-11



END VIEW

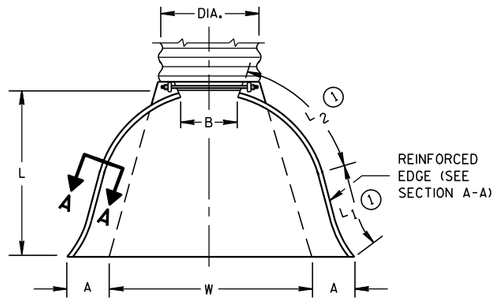


LONGITUDINAL SECTION

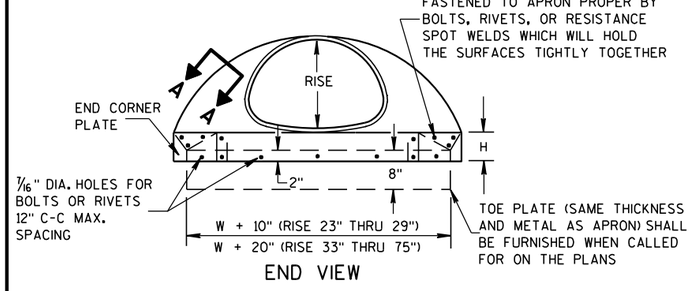


PLAN VIEW

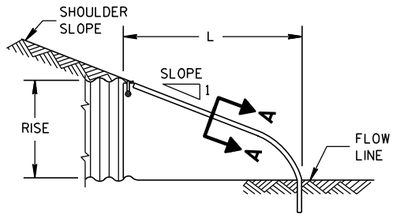
CONCRETE ENDWALLS



PLAN VIEW

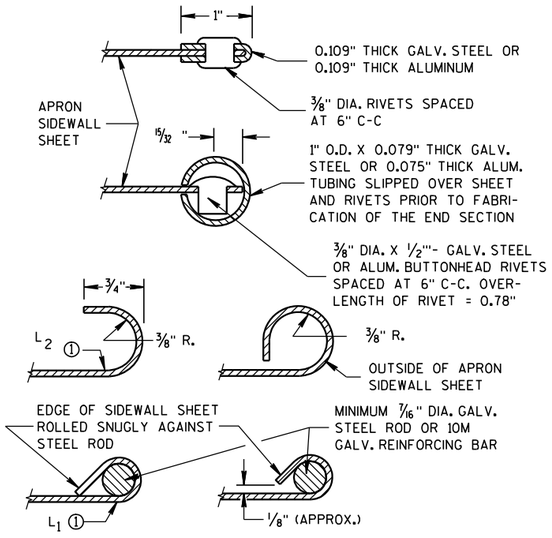


END VIEW



SIDE ELEVATION

METAL ENDWALLS



SECTION A-A

2- 2/3" X 1/2" CORRUGATIONS

EQUIV. DIA. (Inches)	(Inches) SPAN	(Inches) RISE	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
15	17	13	.064	.060	7	9	6	19	14	16	30	2½ to 1	1 Pc.
18	21	15	.064	.060	7	10	6	23	14	19⅜	36	2½ to 1	1 Pc.
21	24	18	.064	.060	8	12	6	28	18	21¾	42	2½ to 1	1 Pc.
24	28	20	.064	.060	9	14	6	32	18	27½	48	2½ to 1	1 Pc.
30	35	24	.079	.075	10	16	6	39	18	37⅝	60	2½ to 1	1 Pc.
36	42	29	.079	.075	12	18	8	46	24	45⅜	75	2½ to 1	1 Pc.
42	49	33	.109	.105	13	21	9	53	24	54¾	85	2½ to 1	2 Pc.
48	57	38	.109	.105	18	26	12	63	24	68	90	2½ to 1	3 Pc.
54	64	43	.109	.105	18	30	12	70	24	72¾	102	2¼ to 1	3 Pc.
60	71	47	.109*	.105*	18	33	12	77	30	82¼	114	2¼ to 1	3 Pc.
66	77	52	.109*	.105*	18	36	12	77	—	—	126	2 to 1	3 Pc.
72	83	57	.109*	.105*	18	39	12	77	—	—	138	2 to 1	3 Pc.

3" X 1" CORRUGATIONS

EQUIV. DIA. (Inches)	(Inches) SPAN	(Inches) RISE	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
48	53	41	.109	.105	18	26	12	63	24	72¾	90	2½ to 1	2 Pc.
54	60	46	.109	.105	18	30	12	70	30	82¼	102	2 to 1	2 Pc.
60	66	51	.109*	.105*	18	33	12	77	—	—	114	1½ to 1	3 Pc.
66	73	55	.109*	.105*	18	36	12	77	—	—	126	1½ to 1	3 Pc.
72	81	59	.109*	.105*	18	39	12	77	—	—	138	2 to 1	3 Pc.
78	87	63	.109*	.105*	22	38	12	77	—	—	148	1½ to 1	3 Pc.
84	95	67	.109*	.105*	22	34	12	77	—	—	162	1½ to 1	3 Pc.
90	103	71	.109*	.105*	22	38	12	77	—	—	174	1½ to 1	3 Pc.
96	112	75	.109*	.105*	24	40	12	77	—	—	174	1½ to 1	3 Pc.

NOTE: ALL SPLICES TO BE LAP RIVETED OR BOLTED.

* EXCEPT CENTER PANEL SEE GENERAL NOTES

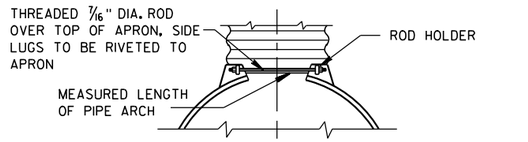
REINFORCED CONCRETE PIPE ARCH

EQUIV. DIA. (Inches)	DIMENSIONS (Inches) ** SPAN	** RISE	T	A	B	C	D	E	APPROX. SLOPE
24	29	18	3	8½	39	33	72	48	3 to 1
30	36	22	3½	9½	50	46	96	60	3 to 1
36	44	27	4	11⅛	60	36	96	72	3 to 1
42	51	31	4½	15 13/16	60	36	96	78	3 to 1
48	58	36	5	21	60	36	96	84	3 to 1
54	65	40	5½	25½	60	36	96	90	3 to 1
60	73	45	6	31	60	36	96	96	3 to 1
72	88	54	7	31	60	39	99	120	2 to 1
84	102	62	8	28½	83	19	102	144	2 to 1

REINFORCED CONCRETE ELLIPTICAL PIPE

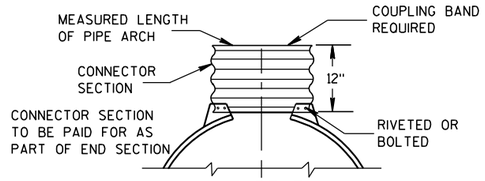
EQUIV. DIA. (Inches)	DIMENSIONS (Inches) ** SPAN	** RISE	T	A	B	C	D	E	APPROX. SLOPE
24	30	19	3¼	8½	39	33	72	48	3 to 1
30	38	24	3¾	9½	54	18	72	60	3 to 1
36	45	29	4½	11⅛	60	24	84	72	2½ to 1
42	53	34	5	15¾	60	36	96	78	2½ to 1
48	60	38	5½	21	60	36	96	84	2½ to 1
54	68	43	6	25½	60	36	96	90	2½ to 1
60	76	48	6½	30	60	36	96	96	2½ to 1

**NOMINAL SIZE



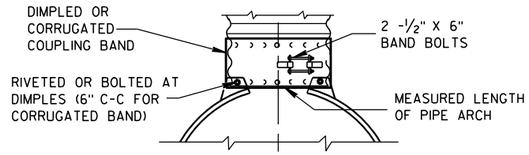
TYPE 2

FOR 17" X 13" THRU 112" X 75" PIPE ARCH



TYPE 3

FOR 64" X 43" THRU 112" X 75" PIPE ARCH



TYPE 5

ALTERNATE FOR:

ALL SIZES CORRUGATED PIPE ARCHES

NOTE: DIMPLED BAND FITS OVER OUTSIDE OF ENDWALL, AND CORRUGATED BAND FITS INSIDE ENDWALL.

CONNECTION DETAILS

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

ALL THREE PIECE STEEL APRON ENDWALLS FOR 66" X 51" PIPE ARCH AND LARGER SHALL HAVE 0.109" SIDES AND 0.138" CENTER PANELS. ALL THREE PIECE ALUMINUM APRON ENDWALLS FOR 66" X 51" PIPE ARCH 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 ARCH 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 77" X 52" THROUGH 112" X 75" 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 ARCH SIZES UP TO 73" X 55" A 180° ROLLED EDGE MAY BE USED INSTEAD OF STEEL ROD REINFORCEMENT. SEE SECTION A-A.

APRON ENDWALLS FOR PIPE ARCH AND ELLIPTICAL PIPE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

11/30/94 — DATE

/S/ Rory L. Rhinesmith — CHIEF ROADWAY DEVELOPMENT ENGINEER

FHWA

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S.D.D. 8 F 2-1

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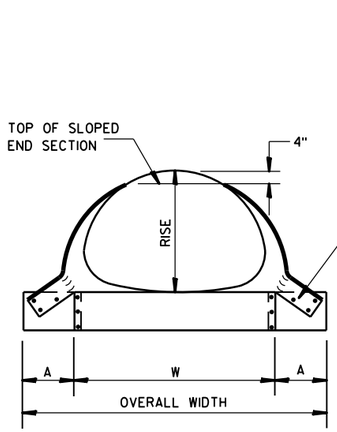
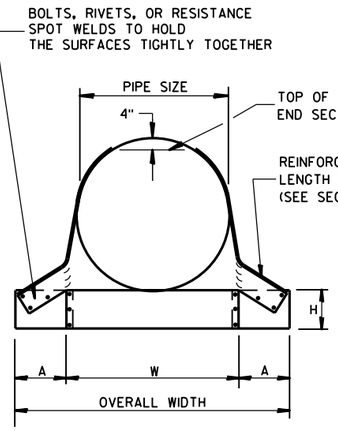
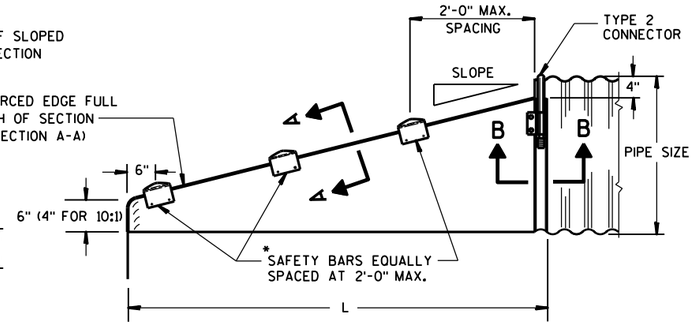
S.D.D. 8 F 2-1



FRONT VIEW



FRONT VIEW



SIDE VIEW

GENERAL NOTES

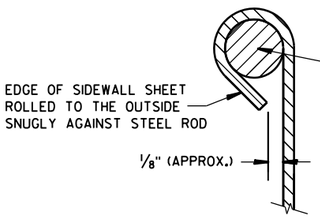
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

SLOPED END SECTIONS SHALL CONFORM TO THE REQUIREMENTS OF THE STANDARD SPECIFICATIONS, SECTION 521 FOR STEEL APRON ENDWALLS.

SAFETY BARS SHALL BE FABRICATED FROM GALVANIZED STEEL PIPE MEETING THE REQUIREMENTS OF ASTM A-53, GRADE B, SCHEDULE 40 OR APPROVED EQUAL.

STEEL APRON ENDWALLS FOR CULVERT PIPE
SLOPED SIDE DRAINS

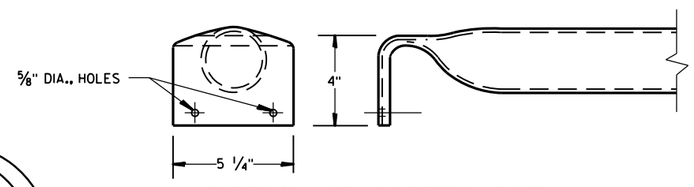
PIPE DIA. (IN.)	MIN. THICK. (Inches)	DIMENSIONS (Inches)				L DIMENSIONS					
		A	H	W	OVERALL WIDTH	SLOPE	LENGTH INCHES	SLOPE	LENGTH INCHES	SLOPE	LENGTH INCHES
15	.064	8	6	21	37	4:1	20	6:1	30	10:1	70
18	.064	8	6	24	40	4:1	32	6:1	48	10:1	100
21	.064	8	6	27	43	4:1	44	6:1	66	10:1	130
24	.064	8	6	30	46	4:1	56	6:1	84	10:1	160
30	.109	12	9	36	60	4:1	80	6:1	120	10:1	220
36	.109	12	9	42	66	4:1	104	6:1	156	10:1	280
42	.109	16	12	48	80	4:1	128	6:1	192	——	——
48	.109	16	12	54	86	4:1	152	6:1	228	——	——
54	.109	16	12	60	92	4:1	176	6:1	264	——	——
60	.109	16	12	66	98	4:1	200	6:1	300	——	——



SECTION A-A

*NOTE:
THREE SAFETY BARS ARE SHOWN. ACTUAL NUMBER OF BARS REQUIRED AT A 2'-0" C-C MAX. SPACING WILL VARY DEPENDING ON THE LENGTH OF THE END SECTION.

3" GALVANIZED PIPE. FLATTEN ENDS, THEN BEND OUTSIDE 4" TO MATCH END SECTION SIDES.

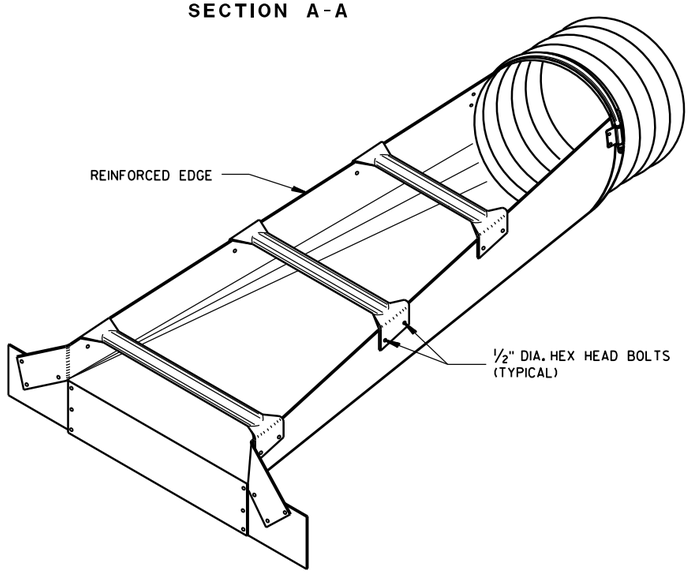


DETAIL OF SAFETY BAR

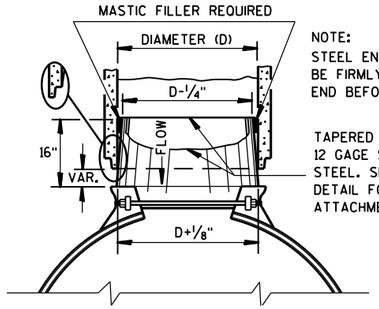
STEEL APRON ENDWALLS FOR PIPE ARCH
SLOPED SIDE DRAINS

EQUIV. DIA. (Inches)	(Inches) SPAN	(Inches) RISE	MIN. THICK. (Inches) ①	DIMENSIONS (Inches) A	H	W	OVERALL WIDTH	L DIMENSIONS SLOPE	LENGTH INCHES	SLOPE	LENGTH INCHES	SLOPE	LENGTH INCHES
15	17	13	.064 *	7	6	30	44	4:1	19	6:1	30	10:1 ②	70
18	21	15	.064 *	8	6	27	43	4:1	20	6:1	30	10:1	70
21	24	18	.064 *	8	6	30	46	4:1	32	6:1	48	10:1	100
24	28	20	.064 *	8	6	34	50	4:1	40	6:1	60	10:1	120
30	35	24	.079 *	12	9	41	65	4:1	56	6:1	84	10:1	160
36	42	29	.109 *	12	9	48	72	4:1	76	6:1	114	10:1	210
42	49	33	.109	16	12	55	87	4:1	92	6:1	138	——	——
48	57	38	.109	16	12	63	95	4:1	112	6:1	168	——	——
54	64	43	.109	16	12	70	102	4:1	132	6:1	198	——	——

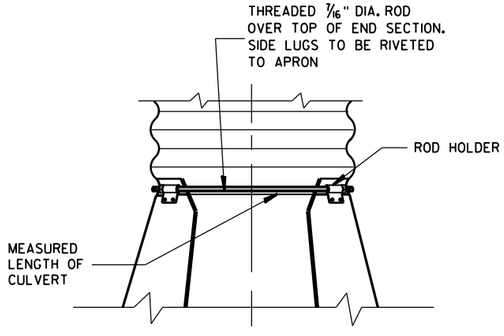
① * MINIMUM THICKNESS OF ALL 10:1 SLOPED SIDE DRAINS IS 0.109".
② ACTUAL SLOPE GREATER THAN 10:1.



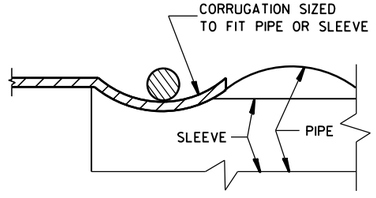
ISOMETRIC VIEW



STEEL ADAPTER SLEEVE FOR CONCRETE PIPE



TYPE 2
CONNECTION DETAIL



SECTION B-B

STEEL APRON ENDWALLS FOR CULVERT PIPE AND PIPE ARCH SLOPED SIDE DRAINS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
9/14/2012 — DATE
/S/ Jerry H. Zoda — ROADWAY STANDARDS DEVELOPMENT ENGINEER
FHWA

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S.D.D. 8 F 7-5

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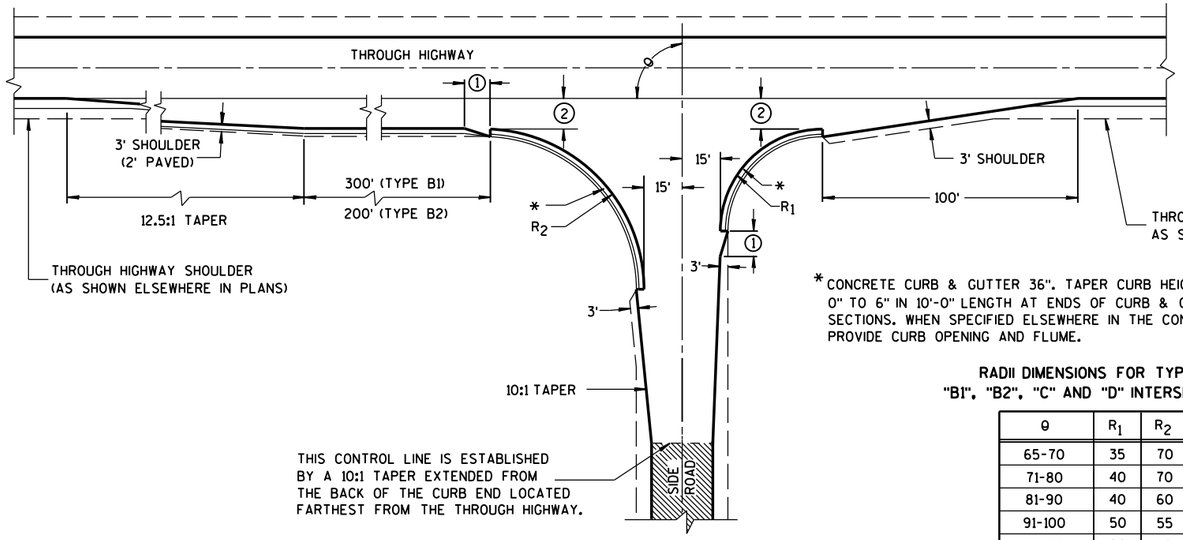
S.D.D. 8 F 7-5

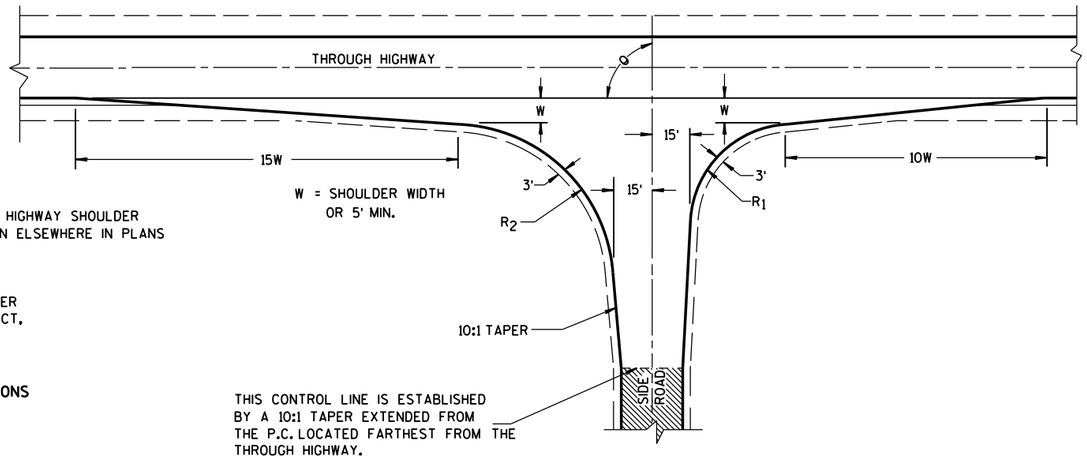


TYPE "B1" AND "B2"

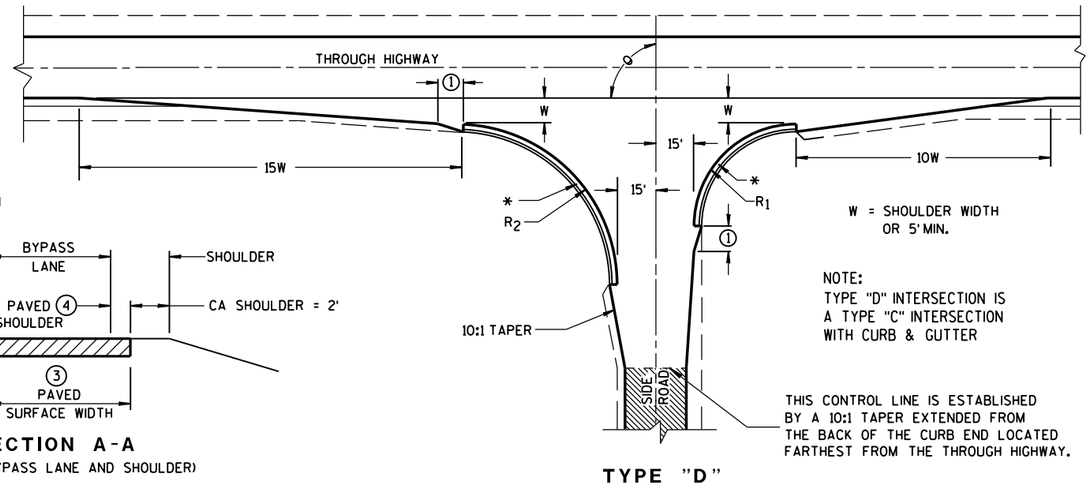
*CONCRETE CURB & GUTTER 36". TAPER CURB HEIGHT 0" TO 6" IN 10'-0" LENGTH AT ENDS OF CURB & GUTTER SECTIONS. WHEN SPECIFIED ELSEWHERE IN THE CONTRACT, PROVIDE CURB OPENING AND FLUME.

RADII DIMENSIONS FOR TYPES "B1", "B2", "C" AND "D" INTERSECTIONS

θ	R_1	R_2
65-70	35	70
71-80	40	70
81-90	40	60
91-100	50	55
101-110	60	45



TYPE "C"



TYPE "D"

GENERAL NOTES

DESIGNS MAY BE USED INTERCHANGEABLY IN COMBINATION OR SEPARATELY FOR ANY ONE COMPLETE INTERSECTION DEPENDING UPON INTERSECTION ANGLE AND SURFACING OF EACH APPROACH ROADWAY.

SIDE ROAD SURFACING NOTE

WHEN THE SIDE ROAD IS NOT PRESENTLY PAVED, PAVEMENT SHALL BE PLACED TO THE LIMITS SHOWN UNLESS OTHERWISE PROVIDED IN THE CONTRACT. WHERE THE CONSTRUCTION LIMITS ARE BEYOND THE PAVING LIMITS, CRUSHED AGGREGATE SURFACING SHALL BE PLACED BETWEEN THE PAVING LIMITS AND CONSTRUCTION LIMITS.

WHEN THE SIDE ROAD IS PRESENTLY PAVED, NEW PAVEMENT SHALL BE PLACED TO THE LIMITS OF DESIGN AS SHOWN AND BEYOND, IF NECESSARY, TO MEET EXISTING PAVEMENT.

WHEN THE SIDE ROAD IS THE CONSTRUCTION PROJECT, THE INTERSECTION SURFACING SHALL BE THE SAME AS FOR THE PROJECT.

EXISTING PAVED SURFACE

BYPASS LANE

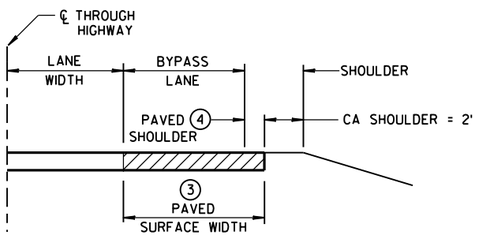
(1) 10-FT TYPICAL.

(2) 12-FT** PLUS ADDITIONAL WIDTH FOR BIKE LANE IF SHOWN ELSEWHERE IN THE PLAN.

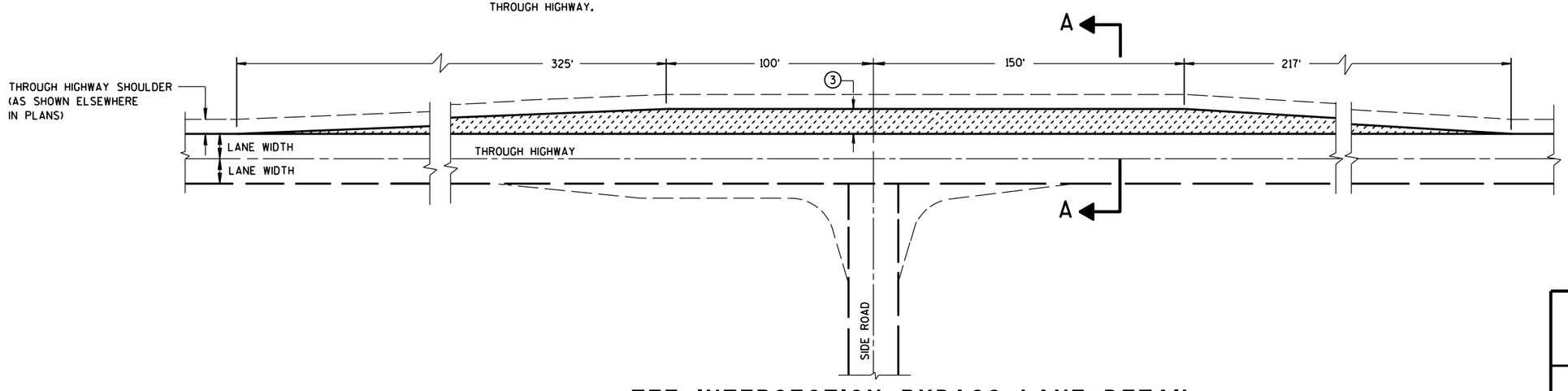
**10-FT MAY BE USED ON TYPE B2 ON RESURFACING PROJECTS IF SPECIFIED IN THE CONTRACT.

(3) BYPASS LANE PAVED SURFACE WIDTH OUTSIDE OF TRAVEL LANE
-ASPHALT = 12-FT PLUS PAVED SHOULDER WIDTH.
-PC CPNCRETE = 13-FT PLUS PAVED SHOULDER WIDTH.

(4) BYPASS LANE PAVED SHOULDER WIDTH = THE GREATER OF 1-FT OR THE PAVED SHOULDER WIDTH OF THE THROUGH HIGHWAY.



SECTION A-A
(SHOWING BYPASS LANE AND SHOULDER)



TEE INTERSECTION BYPASS LANE DETAIL

AT-GRADE SIDE ROAD INTERSECTION, TYPES "B1", "B2", "C" AND "D" AND TEE INTERSECTION BYPASS LANE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPO

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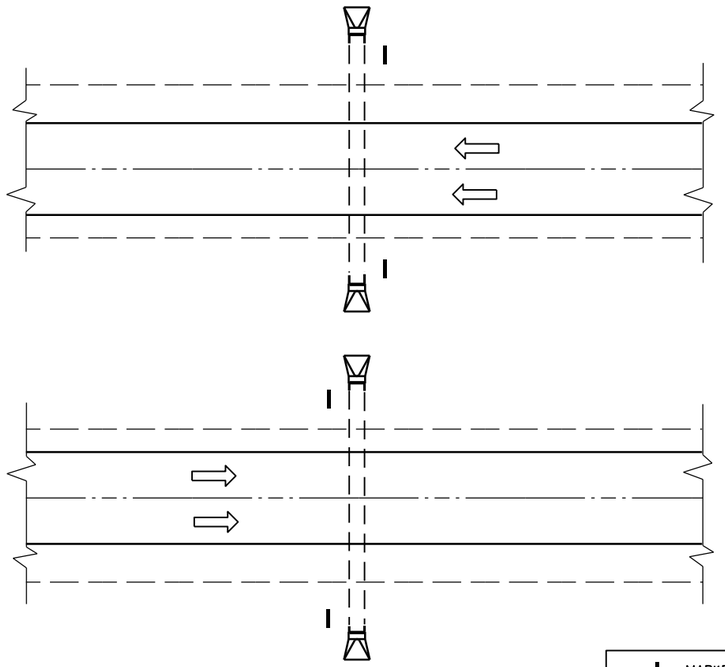
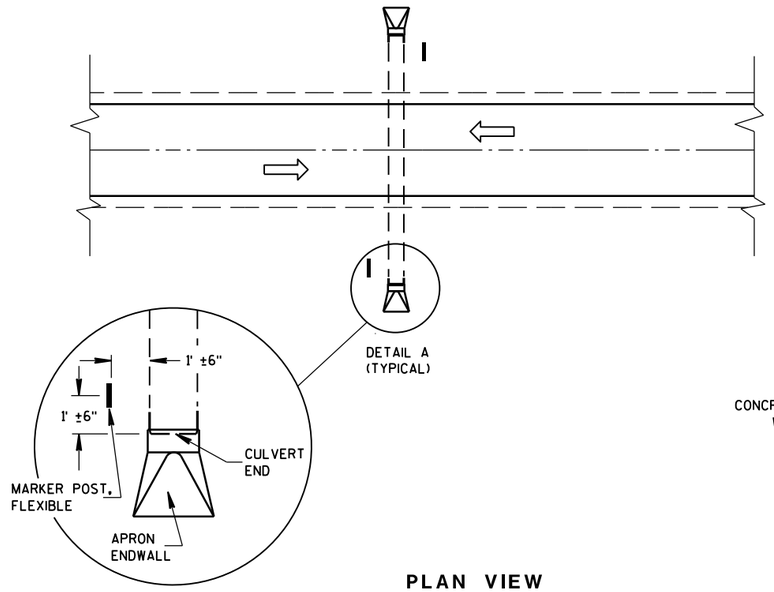
S.D.D. 9 A 1-13a



PLAN VIEW

DIVIDED HIGHWAY



DETAIL A
(TYPICAL)

PLAN VIEW

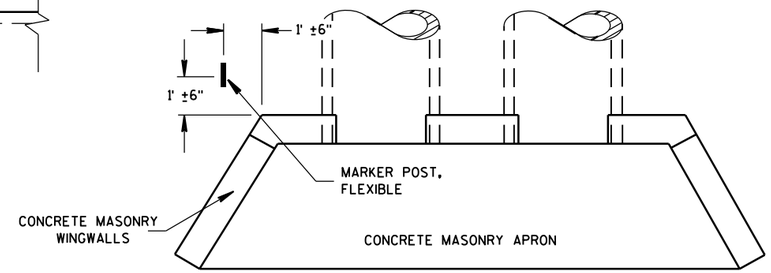
UNDIVIDED HIGHWAY

MARKER POST, FLEXIBLE

DIRECTION OF TRAFFIC FLOW

GENERAL NOTES

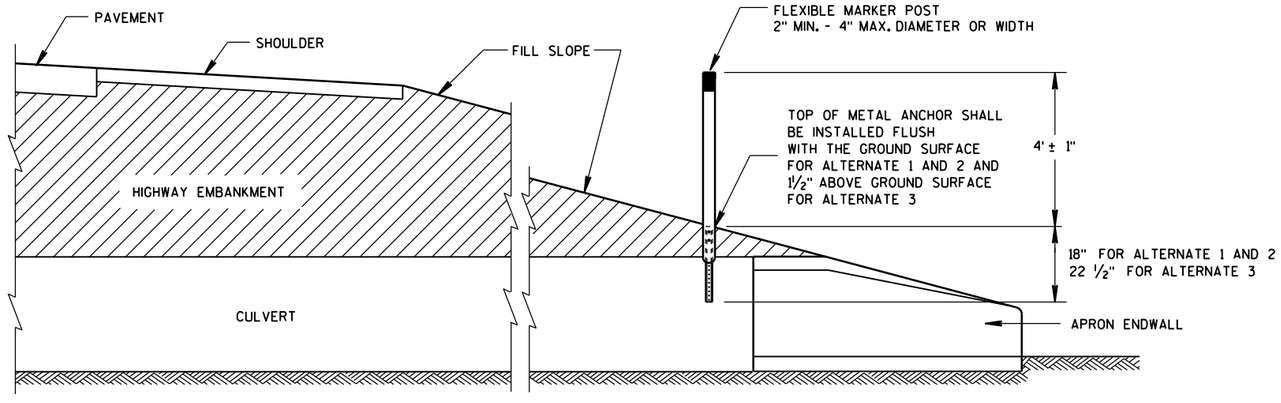
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.



PLAN VIEW

CONCRETE MASONRY ENDWALLS FOR CULVERT PIPE AND PIPE ARCH

FLEXIBLE MARKER POST LOCATION



CROSS SECTION

FLEXIBLE MARKER POST

FLEXIBLE MARKER POST FOR CULVERT END

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR

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S.D.D. 15 A 3-2a

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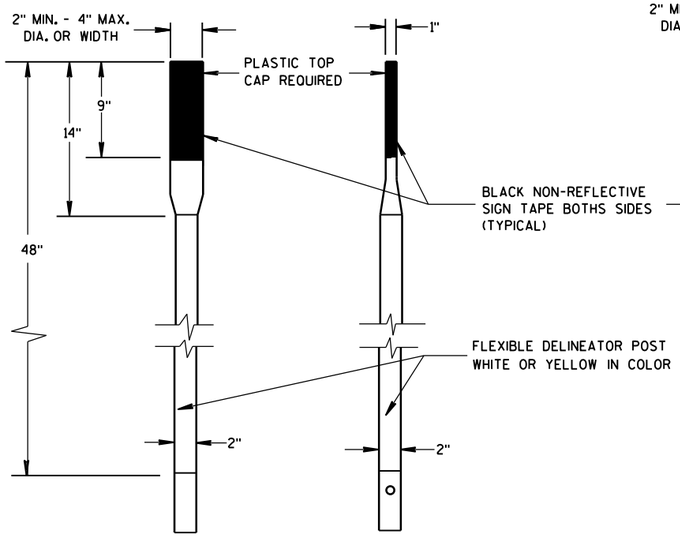
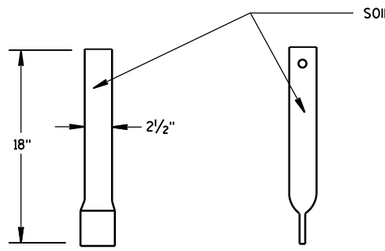
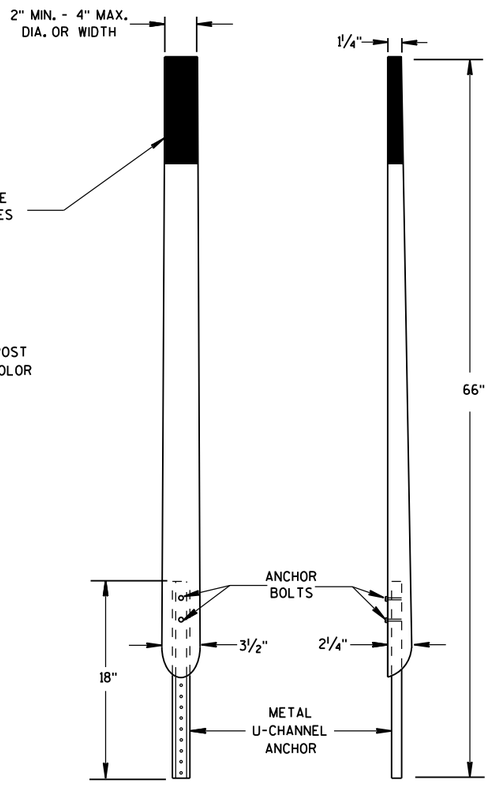
S.D.D. 15 A 3-2a





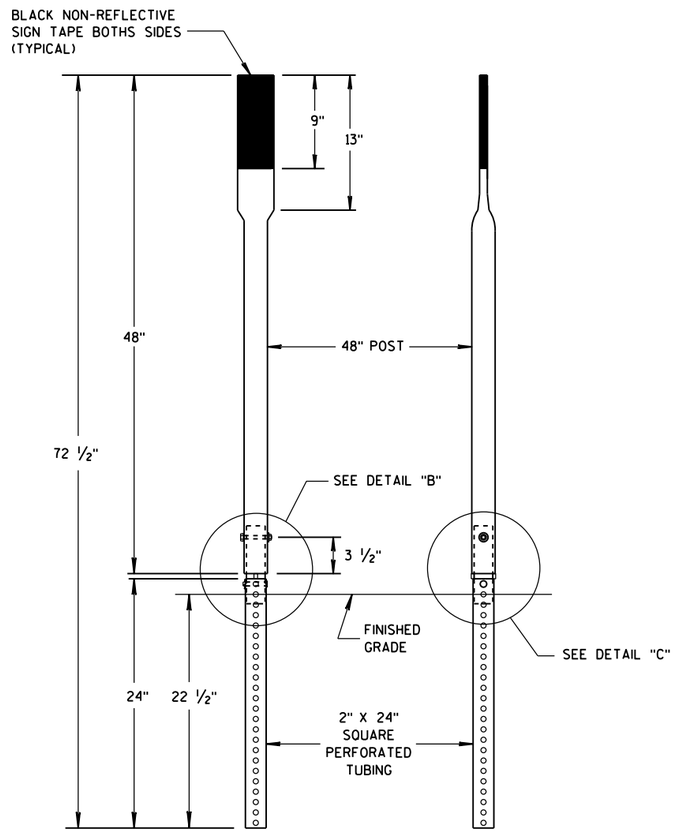
FRONT VIEW SIDE VIEW

ALTERNATE 1



FRONT VIEW SIDE VIEW

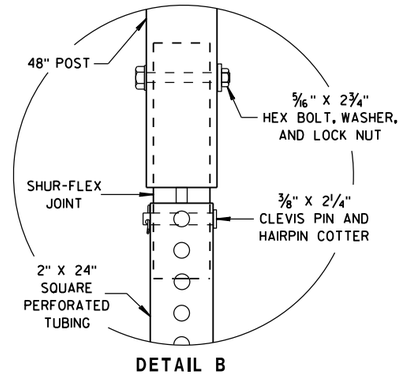
ALTERNATE 2



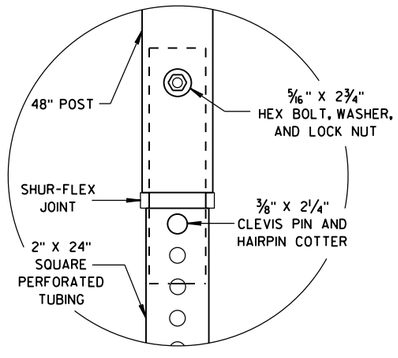
FRONT VIEW SIDE VIEW

ALTERNATE 3

FLEXIBLE MARKER POSTS



DETAIL B



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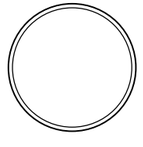
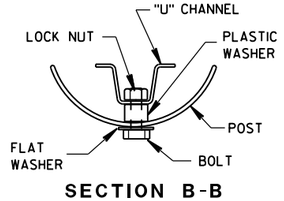


SECTION A-A



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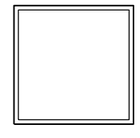

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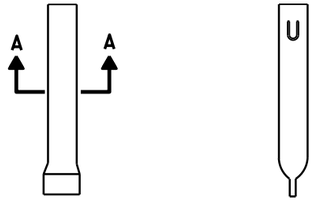
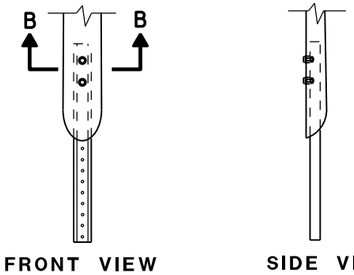


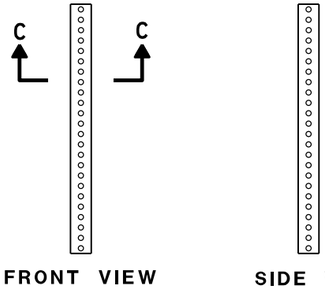
FRONT VIEW SIDE VIEW

ALTERNATE 1



FRONT VIEW SIDE VIEW

ALTERNATE 2



FRONT VIEW SIDE VIEW

ALTERNATE 3

FLEXIBLE MARKER POST ANCHORS

FLEXIBLE MARKER POST
FOR CULVERT END

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
10/1/2012 — DATE
/S/ Travis Feltes — STATE TRAFFIC ENGINEER
FHWA

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S.D.D. 15 A 3-2b

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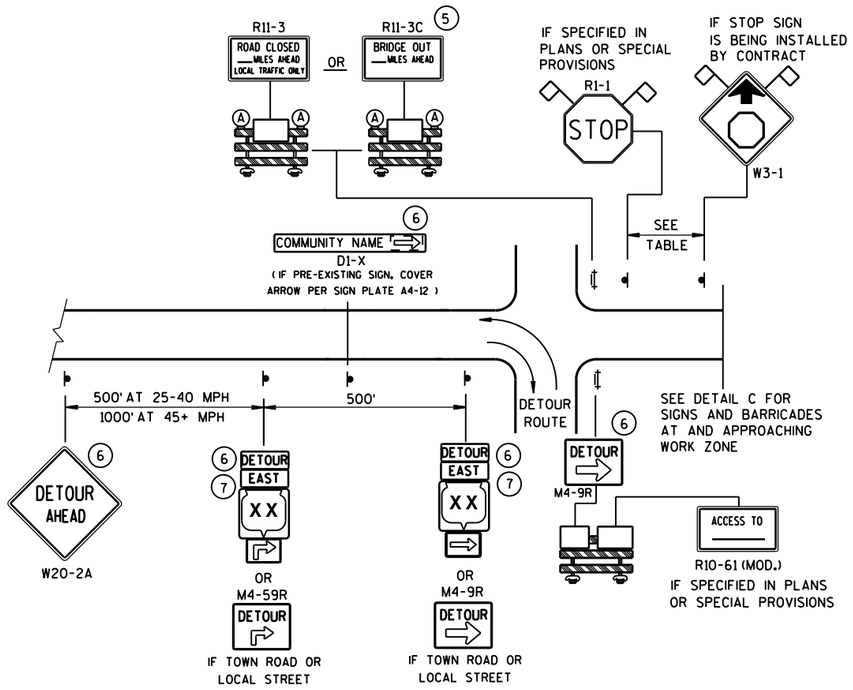
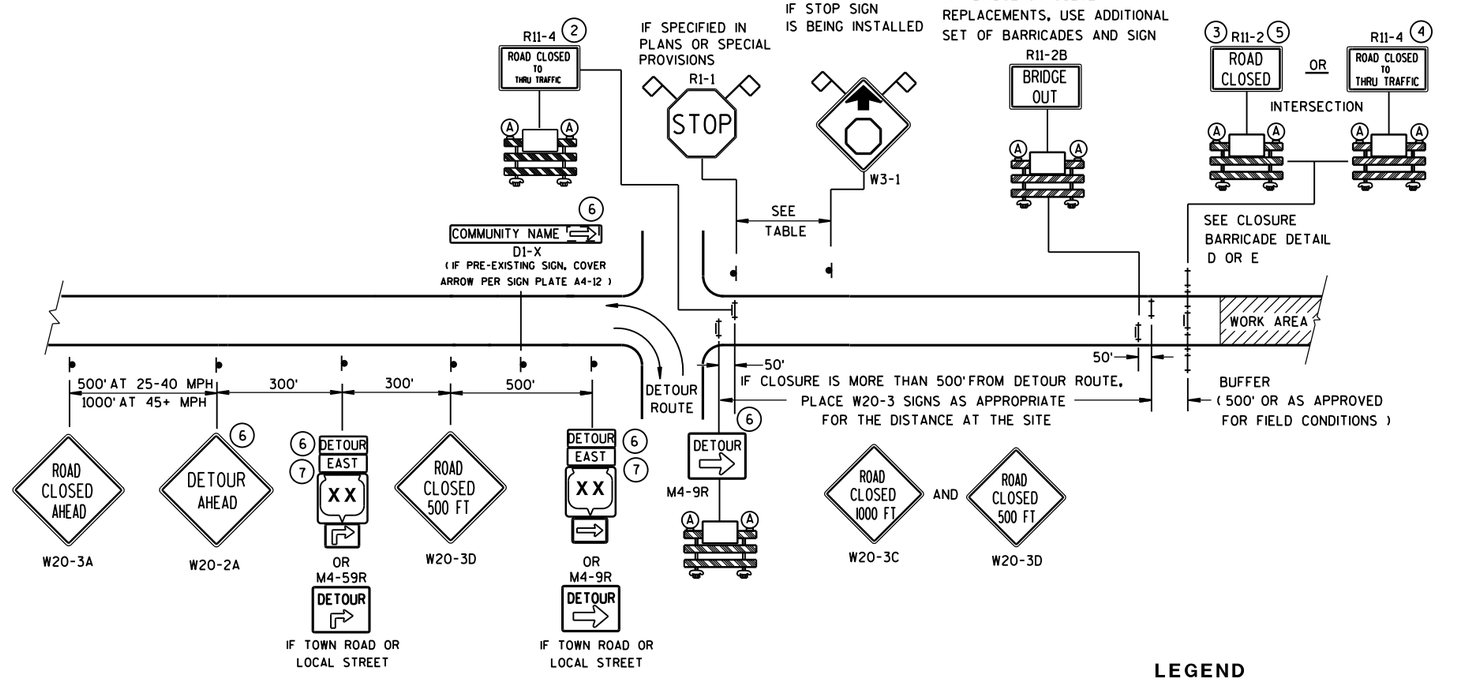
S.D.D. 15 A 3-2b



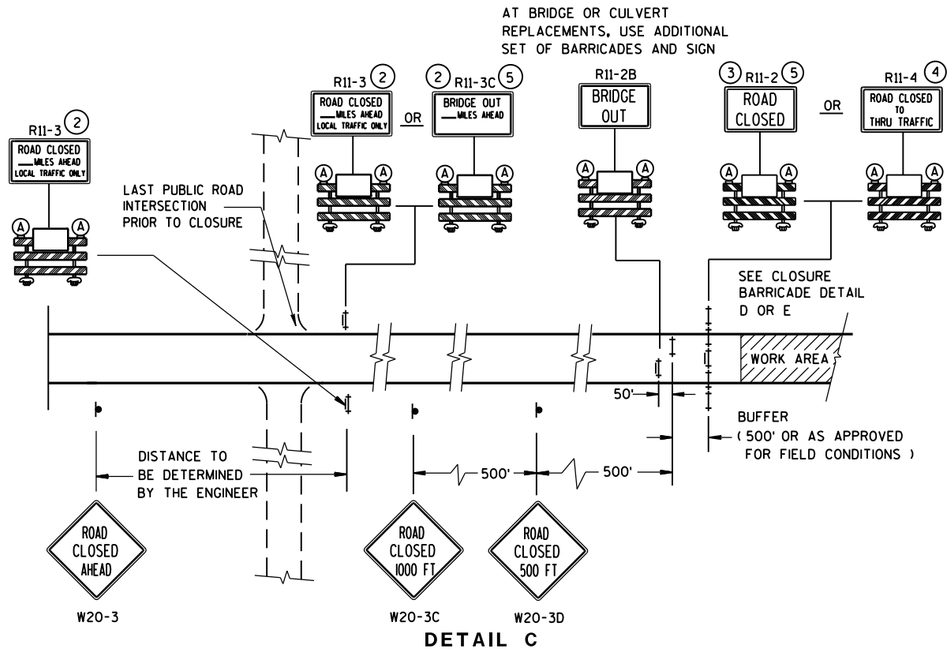
DETAIL A
MAINLINE CLOSURE WITH POSTED DETOUR

WORK ZONE GREATER THAN ½ MILE FROM DETOUR ROUTE (1000 FEET IF URBAN)



DETAIL B
MAINLINE CLOSURE WITH POSTED DETOUR

WORK ZONE LESS THAN ½ MILE FROM DETOUR ROUTE (1000 FEET IF URBAN)



DETAIL C
MAINLINE CLOSURE, NO POSTED DETOUR

SPEED LIMIT (MPH)	"STOP AHEAD" ADVANCE WARNING DISTANCE (FT)
25	200
30	200
35	350
40	350
45	500
50	550
55	750

SEE SDD 15C2-SHEET "**b**" FOR GENERAL NOTES AND FOOTNOTES (1) THROUGH (7)

LEGEND

- SIGN ON PERMANENT SUPPORT
- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- (A) TYPE "A" WARNING LIGHT (FLASHING)
- WORK AREA
- DETOUR / EAST — M4-8 / M3-X
- XX — M1-4; COUNTY XX — M1-5A; XX — M1-6
- M05-1 OR M06-1
- FLAGS, 16" X 16" MIN., (ORANGE)

BARRICADES AND SIGNS FOR MAINLINE CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

Sept. 2015 — DATE
/S/ Peter Amakobe Atepe
STATEWIDE WORK ZONE TRAFFIC SAFETY ENGINEER
FHWA

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S.D.D. 15 C 2-6a

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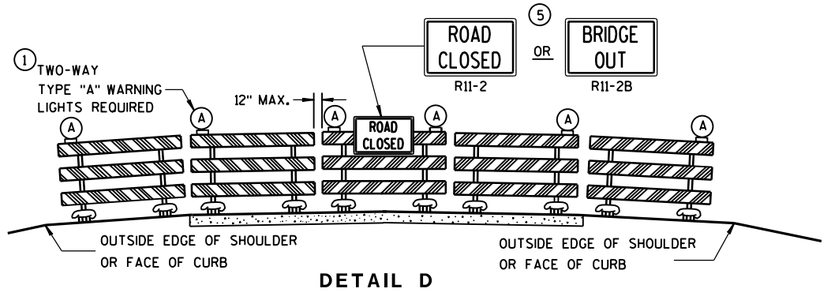
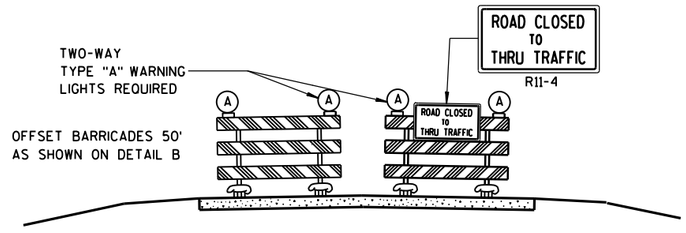
S.D.D. 15 C 2-6a



DETAIL D

ROAD CLOSURE BARRICADE DETAIL

APPROACH VIEW



DETAIL E

LANE CLOSURE BARRICADE DETAIL

APPROACH VIEW

SEE SDD 15C2-SHEET "**a**" FOR LEGEND

GENERAL NOTES

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

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.

THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND SHOULD PROVIDE A DESIRABLE MINIMUM OF 200 FEET CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

BARRICADES THAT MUST BE MOVED FOR A WORK OPERATION SHALL BE IMMEDIATELY RE-ESTABLISHED UPON COMPLETION OF THE OPERATION OR, FOR CONTINUING OPERATIONS, AT THE END OF EACH WORKING DAY.

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

ALL TYPE III BARRICADES SHALL HAVE RAILS REFLECTORIZED ON BOTH FACES. STRIPES SHALL BE PROPERLY SLOPED DOWN TOWARD THE TRAFFIC SIDE OR AS SHOWN IN THE ROAD CLOSURE BARRICADE DETAIL D FOR FULL ROAD CLOSURES.

TYPE "A" LOW-INTENSITY FLASHING WARNING LIGHTS SHALL BE VISIBLE ON BOTH SIDES OF THE BARRICADE.

THE R11-2, R11-3, M4-9, R11-4 AND R10-61 SIGNS PLACED ON BARRICADES SHALL COVER NO MORE THAN THE TOP RAIL. THE SIGNS SHALL NOT COVER ANY PORTION OF THE MIDDLE OR BOTTOM RAILS.

"WO AND "MO" SIGNS ARE THE SAME AS "W" AND "M" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

ALL SIGNS SHALL BE 48" X 48" UNLESS OTHERWISE NOTED BELOW:
- R11-2 SHALL BE 48" X 30".
- R11-3, R11-4 AND R10-61 SHALL BE 60" X 30".
- M4-9 SHALL BE 30" X 24".
- M3-X SHALL BE 24" X 12". (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS.)
- M4-8 SHALL BE 24" X 12". (30" X 15" IF NEEDED TO MATCH EXISTING SIGNS.)
- M1-4, M1-5A, AND M1-6 SHALL BE 24" X 24". (36" X 36" IF NEEDED TO MATCH EXISTING SIGNS.)
- M05-1 AND M06-1 SHALL BE 21" X 21". (30" X 30" IF NEEDED TO MATCH EXISTING SIGNS.)
- D1-X SHALL BE AS SHOWN ON SPECIFIC PROJECT SIGNING DETAIL SHEETS.
- R1-1 SHALL BE 36" X 36".

(1) TWO WARNING LIGHTS SHALL BE PROVIDED ON THE CENTER BARRICADE AND A MINIMUM OF ONE WARNING LIGHT SHALL BE PROVIDED ON EACH OF THE OTHER BARRICADES WITHIN THE ROADWAY LIMITS. SPACING OF THE WARNING LIGHTS SHALL BE UNIFORM TO THE EDGE OF ROADWAY AS SHOWN (APPROX. 8-FOOT LIGHT SPACING).

(2) THESE SIGNS AND BARRICADES ARE NOT REQUIRED IF ROAD CLOSURE BEGINS AT INTERSECTION.

(3) FOR ROAD CLOSURE WITHOUT LOCAL ACCESS TO PROJECT, SEE ROAD CLOSURE BARRICADE DETAIL D.

(4) FOR ROAD CLOSURE WITH LOCAL ACCESS TO PROJECT, SEE LANE CLOSURE BARRICADE DETAIL E.

(5) FOR BRIDGE OR CULVERT REPLACEMENTS, SUBSTITUTE "BRIDGE OUT" INSTEAD OF "ROAD CLOSED" ON R11-2 AND R11-3 SIGNS.

(6) INSTALL DETOUR AND COMMUNITY GUIDE SIGNS AND ARROWS ONLY IF SPECIFIED IN THE CONTRACT. IF THERE ARE EXISTING ROUTE MARKER ASSEMBLIES THAT WILL REMAIN IN PLACE, ADJUST THE LOCATION OF THE DETOUR ROUTE SIGNS TO CORRESPOND WITH THE EXISTING ASSEMBLIES. MODIFY EXISTING SIGNS WHERE POSSIBLE. SEE SPECIFIC PROJECT DETOUR SIGNING DETAIL SHEETS. IF DETOUR SIGNS ARE BEING INSTALLED BY OTHERS, PLACE THE CONTRACTED TRAFFIC CONTROL SIGNS TO ALLOW FOR PLACEMENT OF ALL WARNING, DETOUR AND GUIDE SIGNS AS SHOWN.

(7) "EAST" CARDINAL DIRECTION MARKERS AND RIGHT TURN ARROWS ARE SHOWN. USE OTHER CARDINAL DIRECTIONS AND ARROWS AS APPROPRIATE.

BARRICADES AND SIGNS FOR MAINLINE CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

Sept. 2015 — DATE

/S/ Peter Amakobe Atepe
STATEWIDE WORK ZO SAFETY ENGI

FHWA

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S.D.D. 15 C 2-6b

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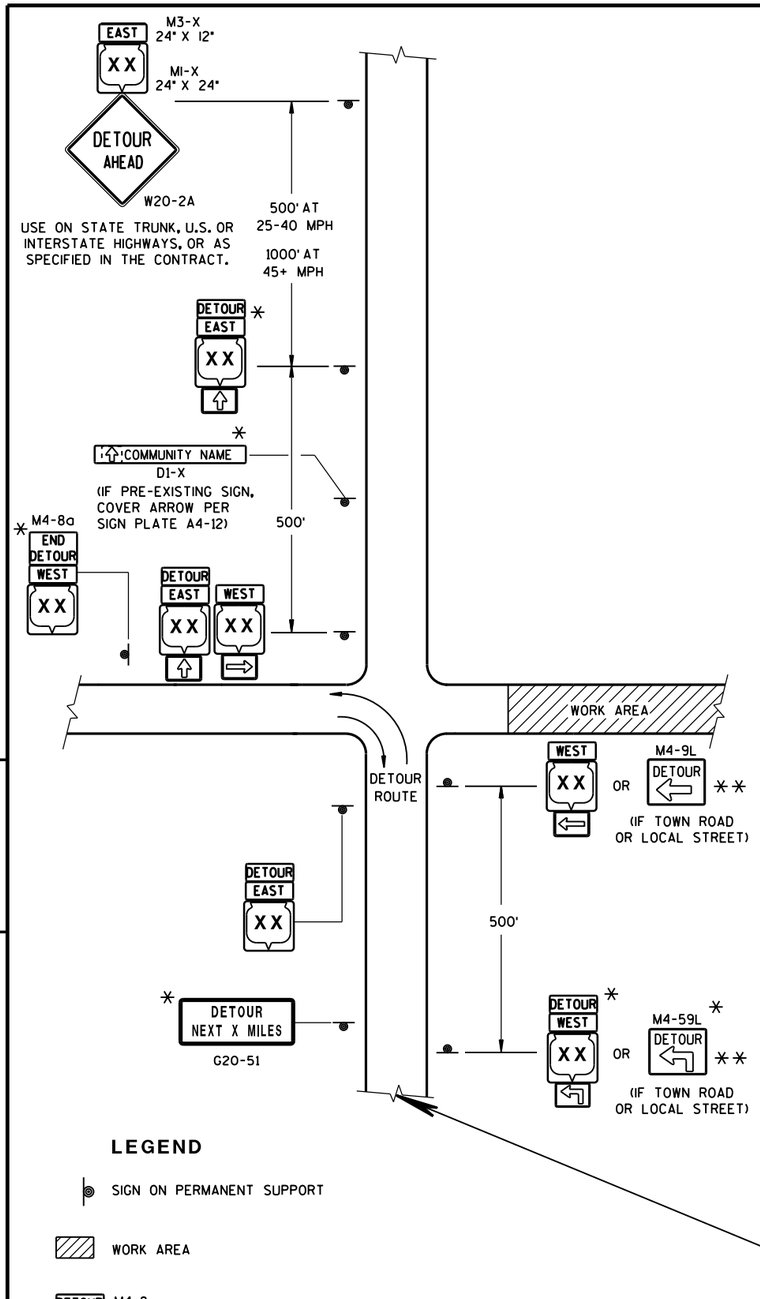
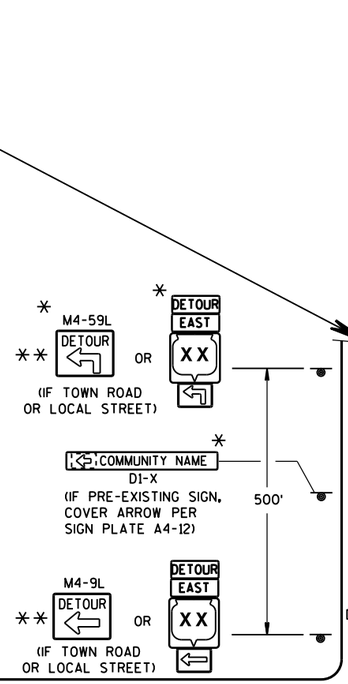
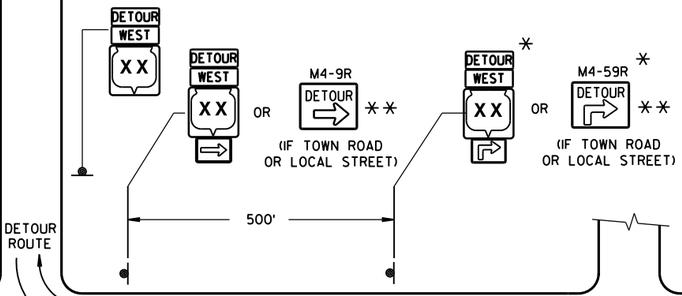
S.D.D. 15 C 2-6b

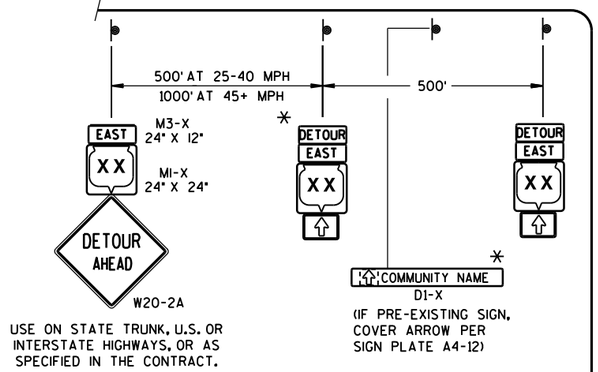
THIS DRAWING PROVIDES GENERAL GUIDANCE ON TYPICAL DETOUR SIGN LAYOUT AND SPACING. SEE PROJECT DETOUR SIGNING SHEETS FOR SPECIFIC DETAILS FOR EACH PROJECT.

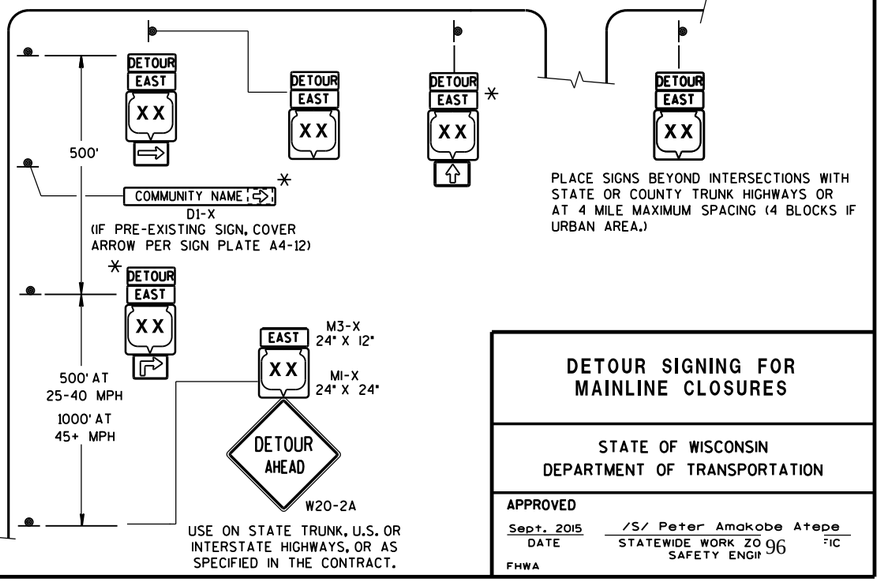


MATCH POINT









GENERAL NOTES

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

IF THERE ARE EXISTING ROUTE MARKER ASSEMBLIES THAT WILL REMAIN IN PLACE, ADJUST THE LOCATION OF THE DETOUR ROUTE SIGNS TO CORRESPOND WITH THE EXISTING ASSEMBLIES. SEE SPECIFIC PROJECT DETOUR SIGNING DETAIL SHEETS. MODIFY EXISTING SIGNS WHERE POSSIBLE.

THE SPACING BETWEEN TRAFFIC CONTROL AND DETOUR SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND TO PROVIDE A DESIRABLE MINIMUM OF 200 FEET CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

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.

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

"MO" SIGNS ARE THE SAME AS "M" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

SIGN SIZES SHALL BE AS FOLLOWS:

- M3-X SHALL BE 24" X 12". (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS.)
- M4-8 SHALL BE 24" X 12". (30" X 15" IF NEEDED TO MATCH EXISTING SIGNS.)
- M1-4, M1-5A, AND M1-6 SHALL BE 24" X 24". (36" X 36" IF NEEDED TO MATCH EXISTING SIGNS.)
- MO5-1 AND MO6-1 SHALL BE 21" X 21". (30" X 30" IF NEEDED TO MATCH EXISTING SIGNS.)
- M4-9 SHALL BE 30" X 24".
- M4-8a SHALL BE 24" X 18".
- G20-51 SHALL BE 60" X 24".
- W20-2 SHALL BE 48" X 48".
- D1-X SHALL BE AS SHOWN ON SPECIFIC PROJECT SIGNING DETAIL SHEETS.

* OPTIONAL SIGNS. SEE SPECIFIC PROJECT DETOUR SIGNING DETAIL SHEETS.

** FOR A TOWN ROAD OR LOCAL STREET DETOURED ONTO A STATE TRUNK HIGHWAY, PLACE A ROAD NAME PLAQUE ABOVE THE M4-9 SIGN AS SPECIFIED IN THE CONTRACT.

LEGEND

- SIGN ON PERMANENT SUPPORT
- WORK AREA
- DETOUR EAST M4-8 / M3-X
- XX OR COUNTY XX OR XX — M1-4 / M1-5A / M1-6
- MO5-1 / MO6-1 / MO6-1

SEE SPECIFIC PROJECT DETOUR SIGNING DETAIL SHEETS AND DETAIL A OR B ON SDD 15C2-SHEET "a"

DETAIL F

DETOUR SIGNING

DETOUR SIGNING FOR MAINLINE CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

Sept. 2015 — DATE

/S/ Peter Amakobe Atepe — STATEWIDE WORK ZO[illegible] SAFETY ENGI[illegible] FIC

FHWA

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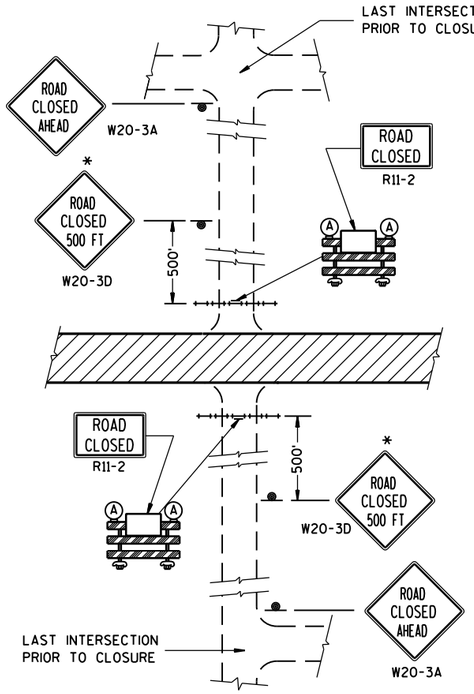
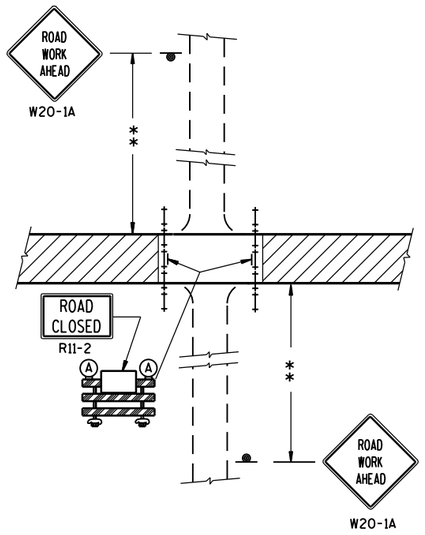
S.D.D. 15 C 2-6c



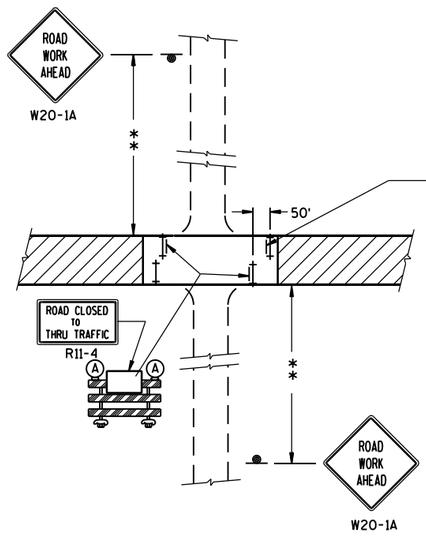
DETAIL 1

(NO ACCESS TO PROJECT)



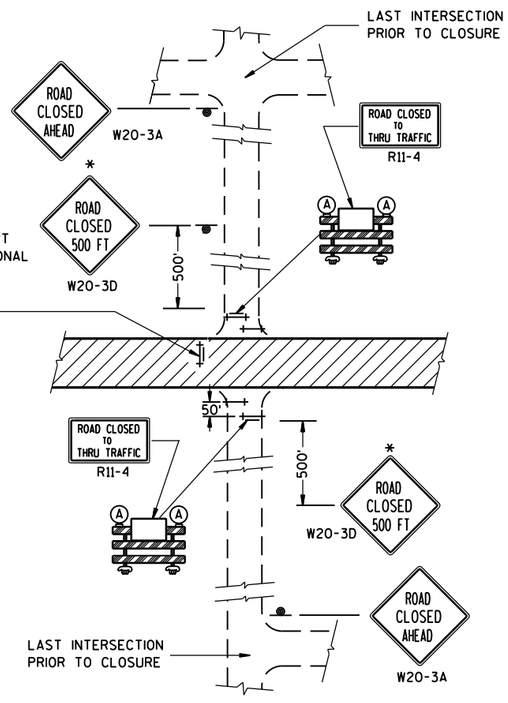
DETAIL 2

(PUBLIC CROSS-TRAFFIC MAINTAINED. NO ACCESS TO PROJECT).



DETAIL 3

(PUBLIC CROSS-TRAFFIC MAINTAINED. CONTRACTOR, LOCAL BUSINESS AND RESIDENT ACCESS).



DETAIL 4

(CONTRACTOR, LOCAL BUSINESS AND RESIDENT ACCESS TO PROJECT)

GENERAL NOTES

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

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.

THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND SHOULD PROVIDE A DESIRABLE MINIMUM OF 200 FEET CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

IF A "STOP" SIGN MUST BE REMOVED FOR A WORK OPERATION, A TEMPORARY "STOP" SIGN SHALL BE PLACED PRIOR TO THE SIGN REMOVAL, OR A FLAGGER SHALL BE PROVIDED UNTIL THE SIGN IS RE-ESTABLISHED.

BARRICADES THAT MUST BE MOVED FOR A WORK OPERATION SHALL BE IMMEDIATELY RE-ESTABLISHED UPON COMPLETION OF THE OPERATION OR, FOR CONTINUING OPERATIONS, AT THE END OF EACH WORKING DAY.

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

ALL TYPE III BARRICADES SHALL HAVE RAILS REFLECTORIZED ON BOTH FACES. STRIPES SHALL BE PROPERLY SLOPED DOWN TOWARD THE TRAFFIC SIDE OR AS SHOWN IN THE ROAD CLOSURE BARRICADE DETAIL D FOR FULL ROAD CLOSURES.

TYPE "A" LOW-INTENSITY FLASHING WARNING LIGHTS SHALL BE VISIBLE ON BOTH SIDES OF THE BARRICADE.

THE R11-2, R11-3 AND R11-4 SIGNS PLACED ON BARRICADES SHALL COVER NO MORE THAN THE TOP RAIL. THE SIGNS SHALL NOT COVER ANY PORTION OF THE MIDDLE OR BOTTOM RAILS.

ALL SIGNS SHALL BE 48" X 48" UNLESS OTHERWISE NOTED BELOW:
R11-2 SHALL BE 48" X 30".
R11-4 AND R11-3 SHALL BE 60" X 30".

*OMIT THE "ROAD CLOSED 500 FT." SIGN IF THE LAST INTERSECTION IS 500 FT. OR LESS FROM THE WORK ZONE.

**500' MAX. OR AT LAST INTERSECTION WHICHEVER IS CLOSER.

LEGEND

- SIGN ON PERMANENT SUPPORT
- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- (A) TYPE "A" WARNING LIGHT (FLASHING)
- WORK AREA

BARRICADES AND SIGNS FOR SIDEROAD CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept. 2015 — DATE
/S/ Peter Amakobe Atepe
STATEWIDE WORK ZO... SAFETY ENGI... — FHWA

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S.D.D. 15 C 3-3

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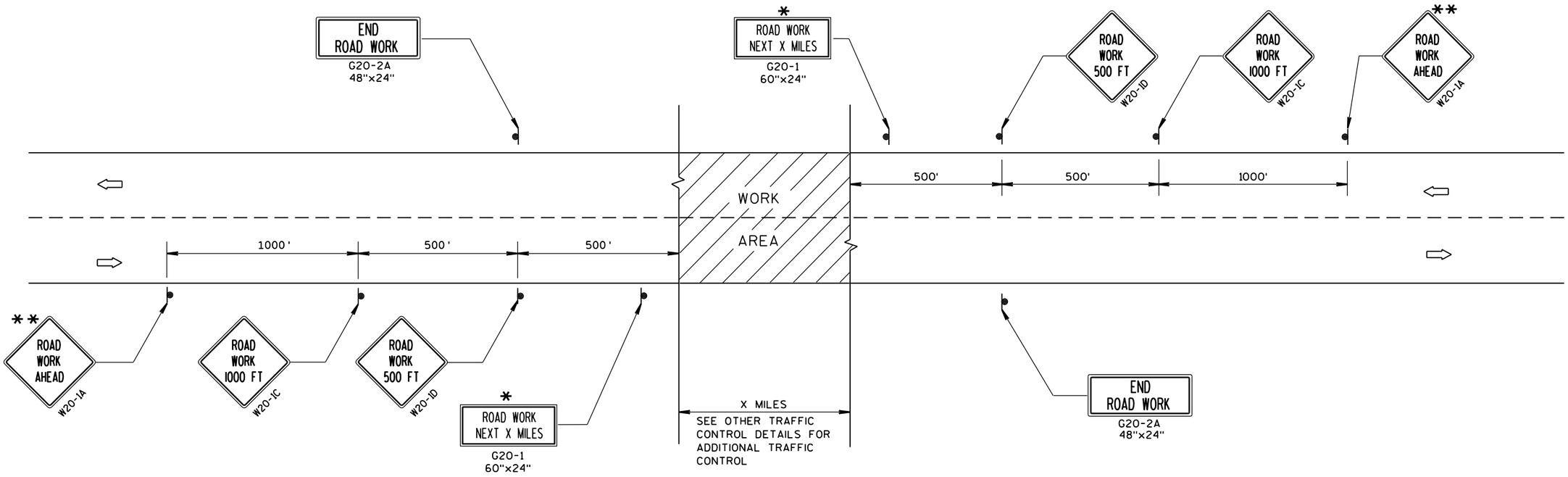
S.D.D. 15 C 3-3



TYPICAL SIDEROAD APPROACH WARNING SIGN DETAIL

GENERAL NOTES

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

THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND SHOULD PROVIDE A MINIMUM OF 200 FEET (500 FEET DESIRABLE) CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

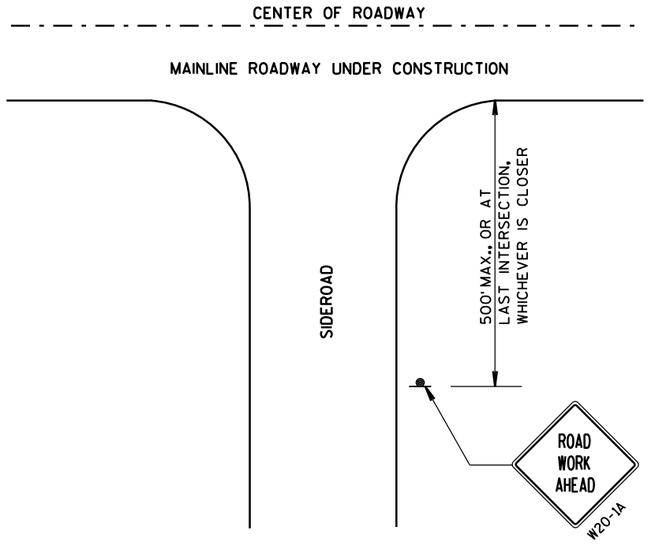
ALL SIGNS ARE 48"×48" UNLESS OTHERWISE NOTED.

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

IF A "STOP" SIGN MUST BE REMOVED FOR A WORK OPERATION, A TEMPORARY "STOP" SIGN SHALL BE PLACED PRIOR TO THE SIGN REMOVAL, OR A FLAGGER SHALL BE PROVIDED UNTIL THE SIGN IS RE-ESTABLISHED.

* OMIT G20-1 SIGNS IF LENGTH OF WORK AREA IS 2 MILES OR LESS.

** PLACE ADDITIONAL W20-1A "ROAD WORK AHEAD" SIGN IF WORK AREA WITHIN THE PROJECT IS SEPARATED BY MORE THAN 2 MILES FROM PREVIOUS WORK AREA.



LEGEND

- SIGN ON PERMANENT SUPPORT
- DIRECTION OF TRAFFIC
- WORK AREA

TRAFFIC CONTROL, ADVANCE WARNING SIGNS 45 M.P.H. OR GREATER TWO-WAY UNDIVIDED ROAD OPEN TO TRAFFIC

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept. 2015 — DATE
/S/ Peter Amakobe Atepe
STATEWIDE WORK ZONE SAFETY ENGINEER
FHWA

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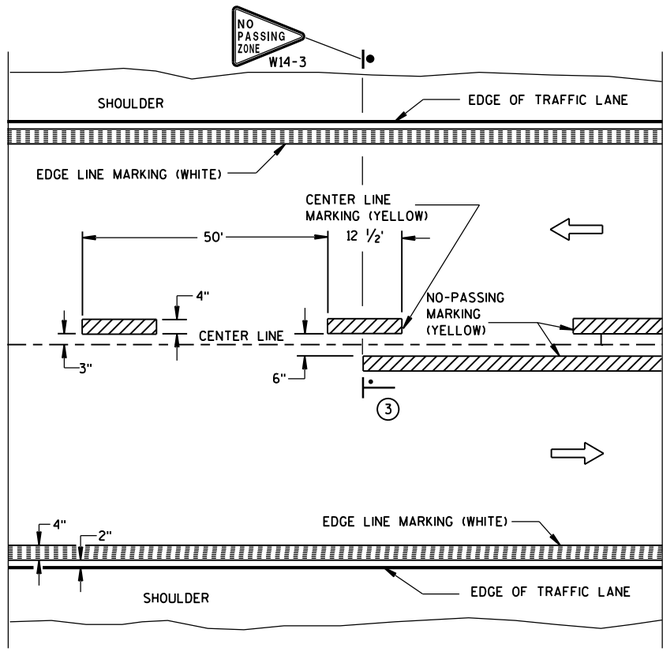
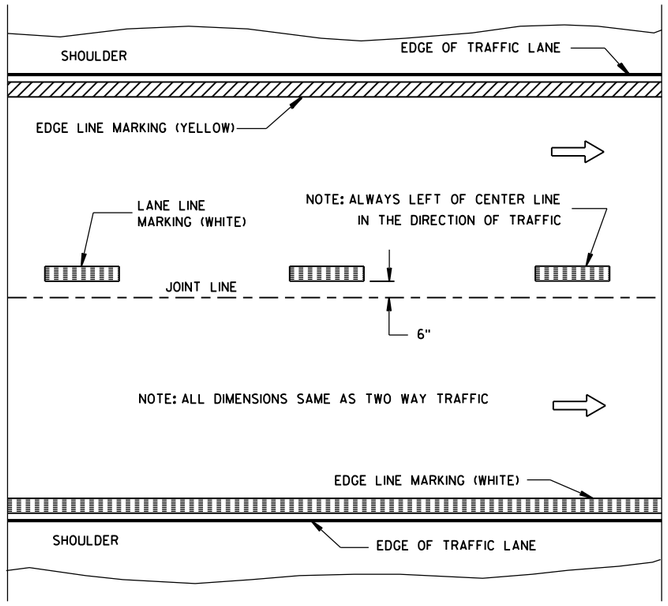
S.D.D. 15 C 4-3

S.D.D. 15 C 4-3

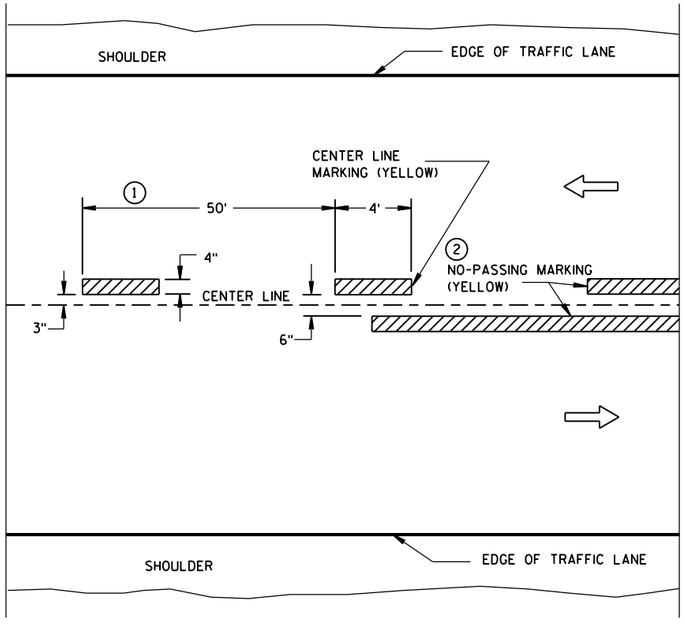


TWO WAY TRAFFIC

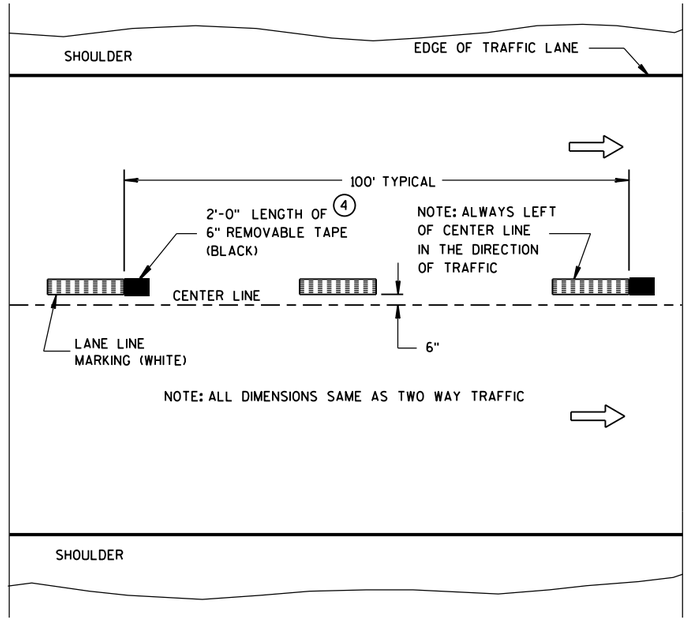


ONE WAY TRAFFIC

PERMANENT PAVEMENT MARKING



TWO WAY TRAFFIC



ONE WAY TRAFFIC

TEMPORARY (INTERMEDIATE) PAVEMENT MARKING

(SHOWS CYCLE FOR TEMPORARY CENTER LINE OR TEMPORARY LANE LINE MARKING)

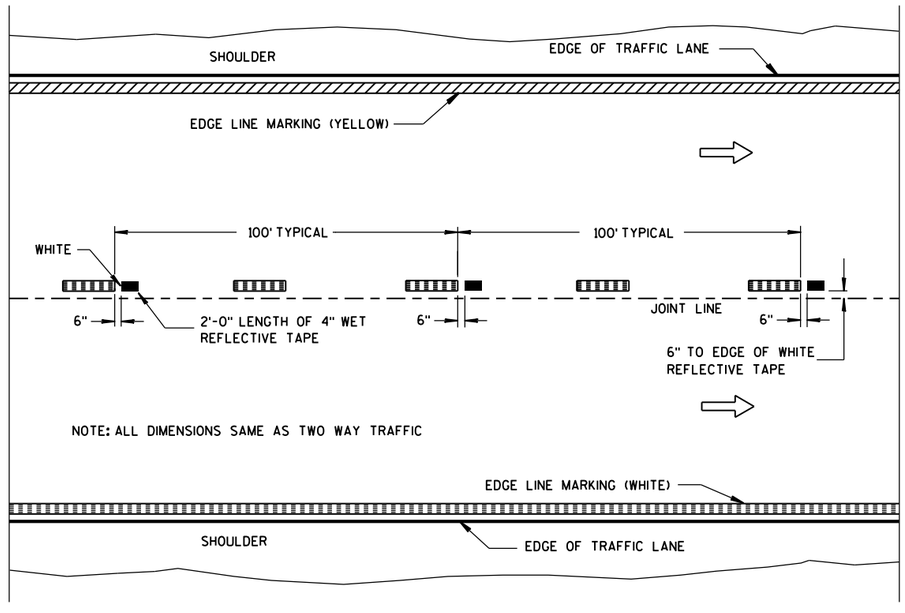
GENERAL NOTES

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

1. HALF CYCLE LENGTHS (25'±) WITH 2' MINIMUM STRIPE LENGTHS SHALL BE PROVIDED ON ROADWAYS (INCLUDING TEMPORARY TRAVELED WAYS) WITH REVERSE CURVATURE, CURVATURE OF OVER 5 DEGREES OR WHEN DIRECTED BY THE ENGINEER TO MARK UNUSUAL ALIGNMENT OF THE TRAVELED WAY.
2. NO PASSING ZONE TEMPORARY PAVEMENT MARKING IS REQUIRED TO BE PLACED, WHERE APPROPRIATE, ALONG WITH CENTERLINE TEMPORARY PAVEMENT MARKING WHEN A SAME DAY PERMANENT PAVEMENT MARKING ITEM IS INCLUDED IN THE CONTRACT.
3. NO PASSING ZONE MARKINGS ARE PLACED ACCORDING TO "T" MARKINGS. IF EXISTING NO PASSING ZONE W14-3 SIGNS ARE BEYOND 50 FEET IN EITHER DIRECTION, THE SIGNS SHALL BE MOVED TO THE "T" MARKINGS.
4. CONCRETE ONLY.

NOTE

ARROW SYMBOL (⇨) SHOWS DIRECTION OF TRAVEL



WET REFLECTIVE TAPE SUPPLEMENT TO
SPRAYED OR NON WET REFLECTIVE TAPE LANE LINE

LEGEND

"T" MARKING

POST MOUNTED SIGN

PAVEMENT MARKING (MAINLINE)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

5-13-2013
DATE

/S/ Travis Feltes
STATE TRAFFIC ENGINEER

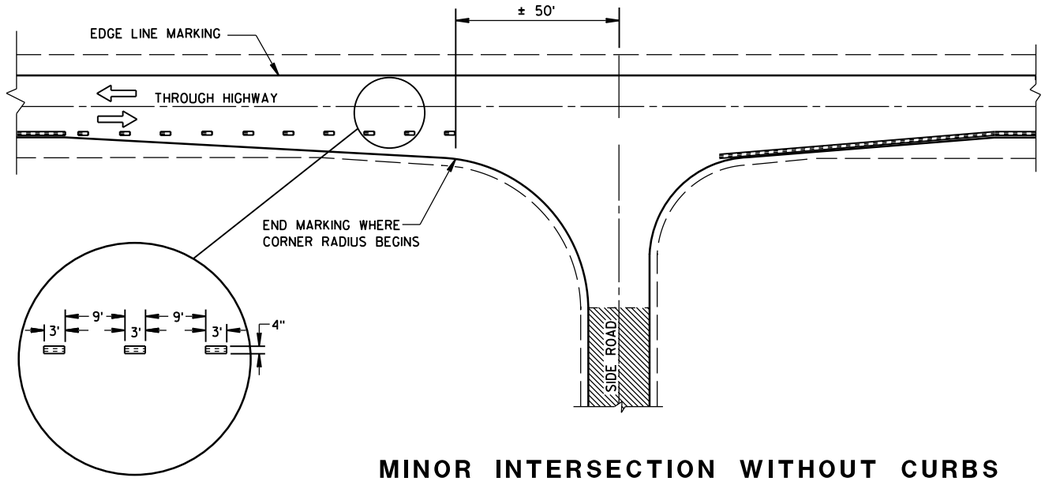
FHWA

6

S.D.D. 15 C 8-16a

6

S.D.D. 15 C 8-16a



MINOR INTERSECTION WITHOUT CURBS

GENERAL NOTES

EDGE LINES SHALL BE OMITTED THROUGH INTERSECTIONS. EDGE LINES SHALL BE CONTINUED THROUGH DRIVEWAYS.

(1) WHEN DISTANCE "A" IS LESS THAN 250 FEET, OMIT LANE LINE.

(2) WHEN DISTANCE "B" IS LESS THAN 100 FEET, OMIT CHANNELIZING LANE LINE.

(3) ALTERNATIVE MARKING SHALL BE PROVIDED WHEN SPECIFIED IN THE CONTRACT. TYPICAL SITUATIONS WHERE THIS MARKING MAY BE REQUIRED ARE WHERE THE INTERSECTION IS ON A SHARP HORIZONTAL CURVE OR CREST VERTICAL CURVE IN AN UNLIGHTED AREA SUCH THAT THE EDGE LINE MAY BE MISLEADING TO THE MOTORIST OR DISAPPEAR FROM SIGHT.

(4) THE EDGE LINE IN THE TAPER AREAS OF THE BYPASS LANE AND THE BYPASS LANE SHALL BE LOCATED 1-FOOT FROM EDGE OF PAVEMENT TO THE OUTSIDE EDGE OF EDGE LINE.

(5) BARRIER LINE ENDS AT SIDE ROAD PAVEMENT/SURFACE EDGE EXTENSION.

(6) BARRIER LINE STARTS 500 FEET PRIOR TO THE BYPASS TAPER.

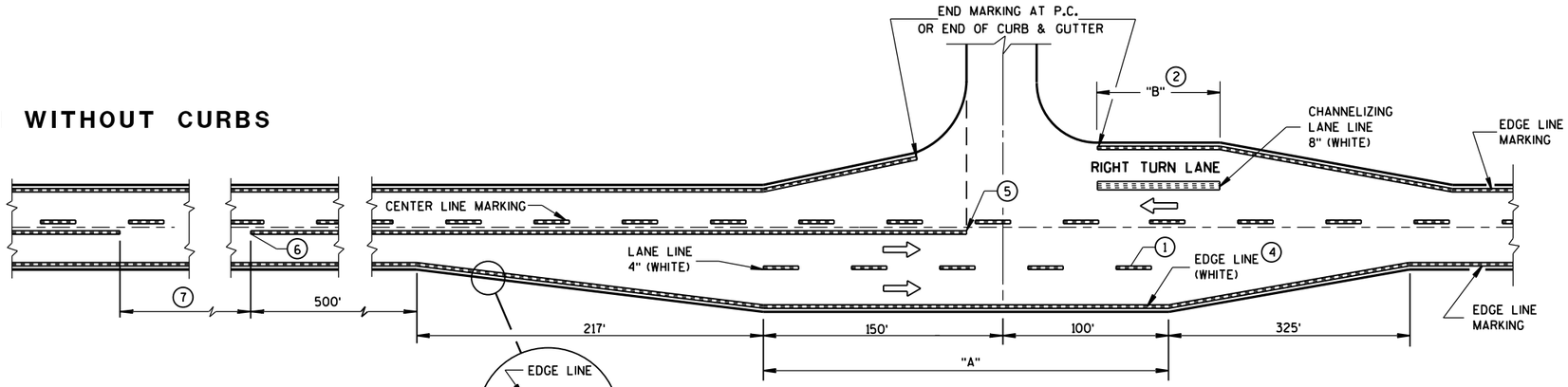
(7) IF THE DISTANCE BETWEEN 2 SUCCESSIVE NO-PASSING ZONES IS LESS THAN THE MINIMUM DISTANCE BETWEEN ZONES, CONNECT THE 2 ZONES.

(8) 3' LINE 9' GAP, EXCEPT RETRACE THE EXISTING LINE - GAP PATTERN WHERE EXISTING MARKINGS ARE IN PLACE.

ARROW SYMBOL (⇨) SHOWS DIRECTION OF TRAVEL

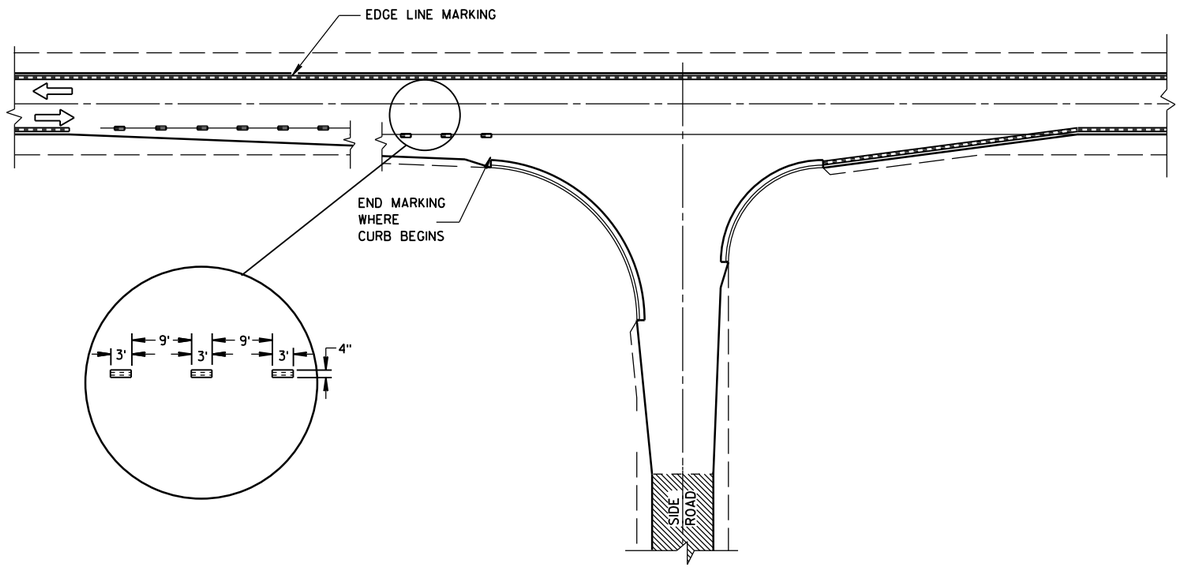
(7)

POSTED SPEED (MPH)	MINIMUM DISTANCE BETWEEN ZONES (FEET)
25 - 30	528
35 - 40	528
45 - 50	686
55	792



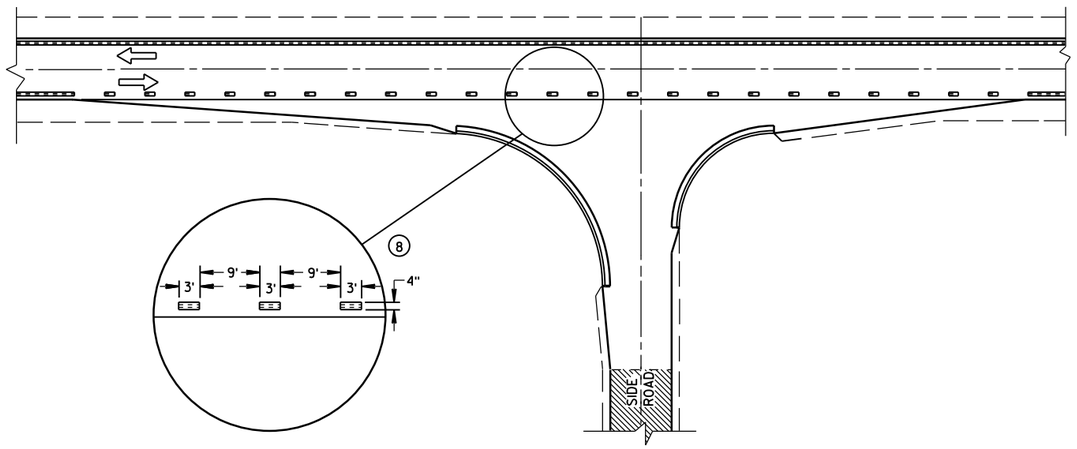
MAJOR INTERSECTIONS

(INTERSECTION WITH FULL RIGHT TURN LANE OR BYPASS LANES)



MINOR INTERSECTION WITH CURBS

(TYPICAL MARKING)



MINOR INTERSECTION WITH CURBS

(3) (FOR SPECIAL CONDITIONS AS SPECIFIED)

PAVEMENT MARKING
(INTERSECTIONS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR

6

S.D.D. 15 C 8-16b

6

S.D.D. 15 C 8-16b

LEGEND

SIGN ON PORTABLE OR PERMANENT SUPPORT

DIRECTION OF TRAFFIC

WORK AREA

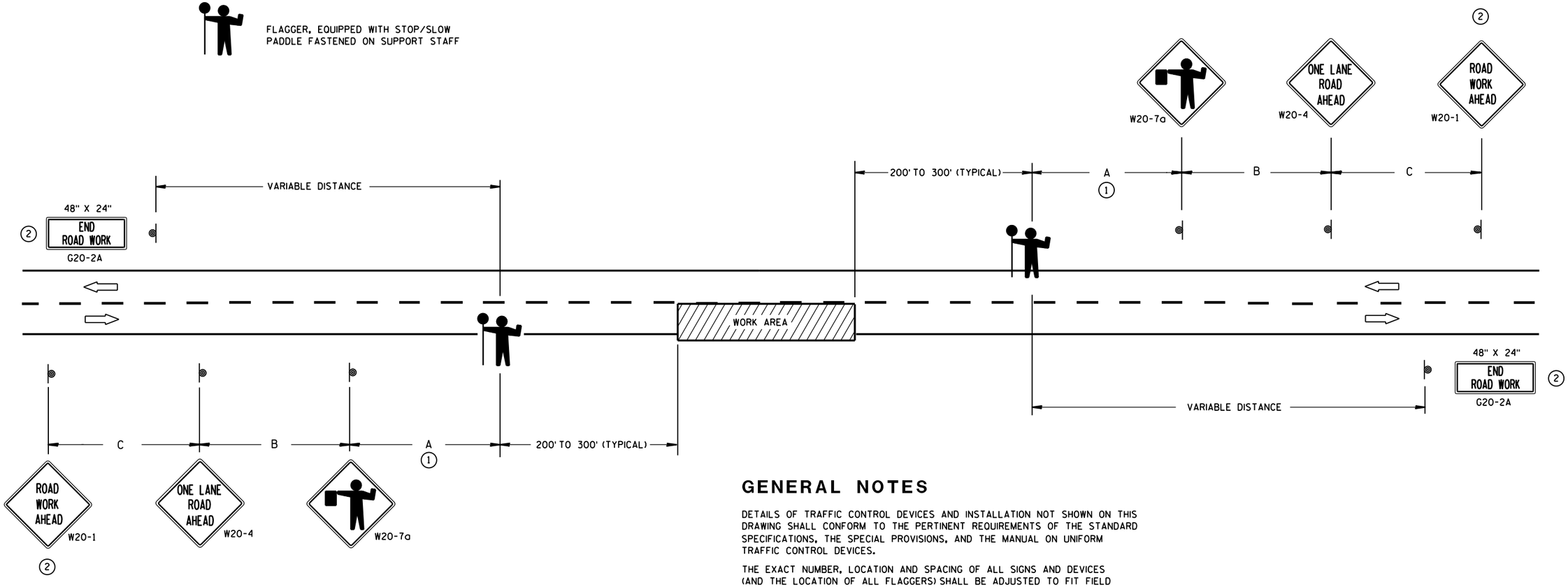
FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF

SIGN SPACING TABLE

SPEED LIMIT	SIGN SPACING A,B,C
25-35 MPH	200'
35-40 MPH	350'
45-55 MPH	500'

W3-4

USE OF THE "BE PREPARED TO STOP" SIGN IS OPTIONAL. WHEN USED, THIS SIGN SHALL BE LOCATED BETWEEN THE W20-7a AND W20-4 SIGNS. A 500' TYPICAL SPACING SHALL BE PROVIDED BETWEEN THE SIGNS.



(1) FOR A MOVING WORK OPERATION,
SIGNING FOR BOTH DIRECTIONS SHALL BE REESTABLISHED (AS SIMULTANEOUSLY AS PRACTICAL) AT APPROXIMATELY 3500 FOOT INTERVALS IN THE MOVING WORK OPERATION OR AS APPROVED BY THE ENGINEER.

(2) SIGN NOT REQUIRED IF FLAGGING OPERATION OCCURS WITHIN A SIGNED ROAD WORK ZONE AREA.

GENERAL NOTES

DETAILS OF TRAFFIC CONTROL DEVICES AND INSTALLATION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS, THE SPECIAL PROVISIONS, AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.

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

THE FIRST ADVANCE WARNING SIGN SHOULD TYPICALLY BE LOCATED IN ADVANCE OF THE ANTICIPATED TRAFFIC BACKUP OR QUEUE.

WHEN A SIDE ROAD OR 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.

FLAGGERS SHALL BE IN SIGHT OF EACH OTHER OR IN DIRECT COMMUNICATION AT ALL TIMES. THEY SHALL BE EQUIPPED WITH STOP/SLOW PADDLES FASTENED ON SUPPORT STAFFS. WHEN THE FLAGGING OPERATION IS NOT IN EFFECT, COVER OR REMOVE ALL TEMPORARY TRAFFIC CONTROL SIGNS.

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

TRAFFIC CONTROL FOR LANE CLOSURE (SUITABLE FOR MOVING OPERATIONS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

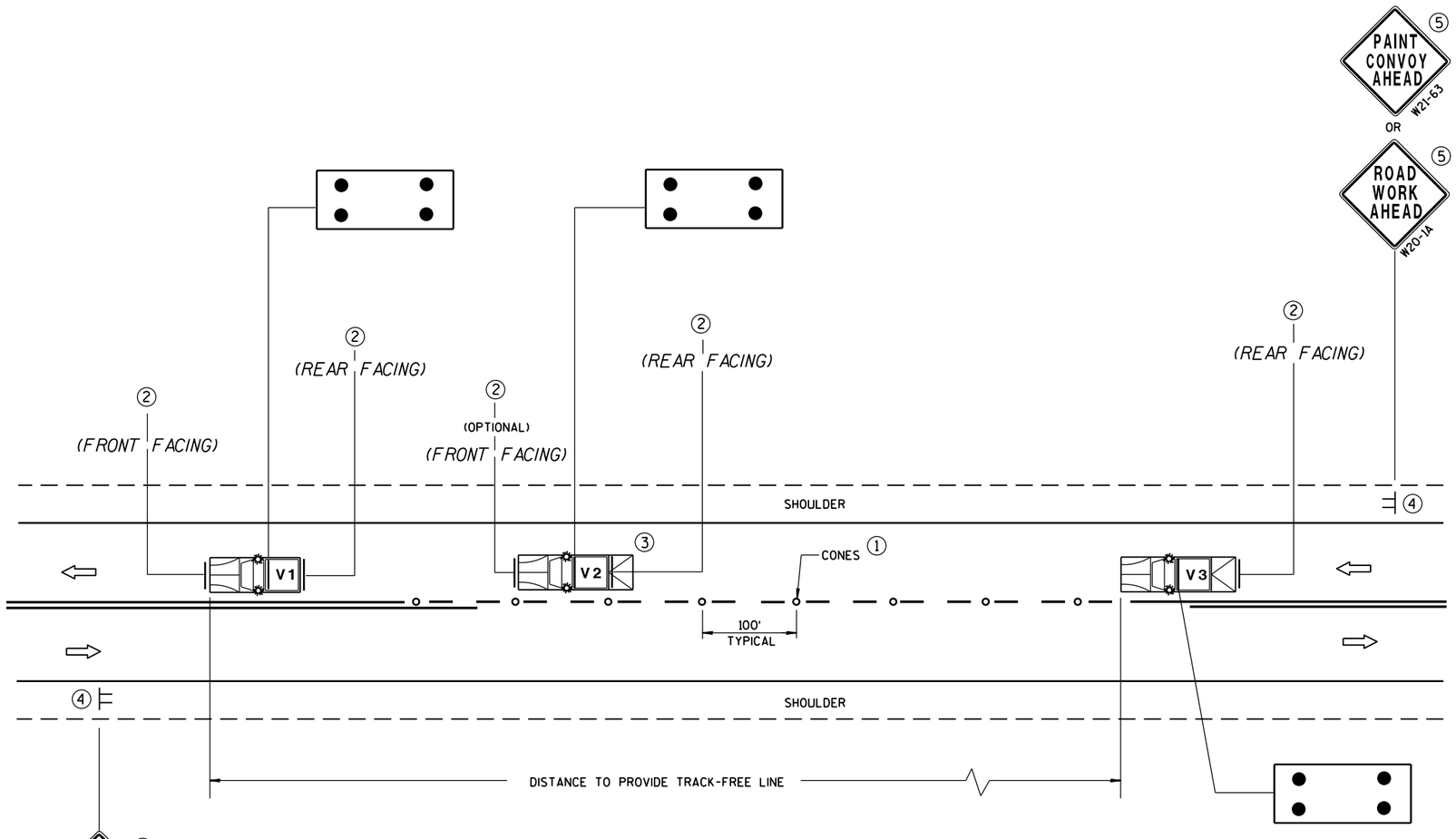
APPROVED
8/2013 — DATE
/S/ Travis Feltes — STATE TRAFFIC ENGINEER
FHWA

6

S.D.D. 15 C 12-4

6

S.D.D. 15 C 12-4



MOVING PAVEMENT MARKING OPERATIONS
TWO-LANE TWO-WAY ROADWAY

GENERAL NOTES

ALL VEHICLES SHALL BE EQUIPPED WITH TWO 360 DEGREE HIGH INTENSITY YELLOW FLASHING LIGHTS OR STROBE LIGHTS AND OPERATED WITH HEADLIGHTS TURNED ON.

VEHICLES SHALL BE EQUIPPED WITH REAR FACING TYPE B OR C FLASHING ARROW PANEL OPERATING IN CAUTION MODE. SIGNS PLACED ON VEHICLES MUST NOT OBSCURE THE ARROW PANEL.

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

IF SPEED LIMIT IS 40 MPH OR LESS STATIONARY SIGNS MAY BE OMITTED IF CONES ARE USED.

ALTERNATE SIGN MESSAGES, SUCH AS "PAINT CREW AHEAD" OR "ROAD PAINTING AHEAD" MAY BE USED.

DISTANCE BETWEEN VEHICLES MAY VARY ACCORDING TO TERRAIN, SIGHT DISTANCE, PAINT DRYING TIME, AND OTHER FACTORS. WHENEVER ADEQUATE STOPPING SIGHT DISTANCE EXISTS TO THE REAR, SHADOW VEHICLES SHOULD MAINTAIN THE MINIMUM DISTANCE FROM THE WORK VEHICLE AND PROCEED AT THE SAME SPEED AS THE WORK VEHICLE. SHADOW VEHICLES SHOULD SLOW DOWN IN ADVANCE OF VERTICAL OR HORIZONTAL CURVES THAT RESTRICT SIGHT DISTANCE.

THE WORK AND SHADOW VEHICLES SHOULD PULL OVER PERIODICALLY TO ALLOW TRAFFIC TO PASS.

THIS DRAWING SHALL BE USED FOR CENTERLINE OR EDGELINE MARKING.

WHEN NO WORK ACTIVITY IS TAKING PLACE, REMOVE OR TURN THE STATIONARY WARNING SIGNS AWAY FROM TRAFFIC.

(1) CONES MAY BE OMITTED ON PAINTED LINE IF APPROVED BY THE ENGINEER. CONSIDER PAVEMENT MARKING DRY OR CURE TIMES AND TRAFFIC VOLUME.

(2) USE STANDARD SIGN W21-64 WITH APPROPRIATE ARROW.

WET PAINT W21-64 OR WET PAINT W21-64

(3) OPTIONAL TRUCK-MOUNTED ATTENUATOR.

(4) SIGNS SHALL BE REPEATED APPROXIMATELY EVERY THREE MILES.

(5) IF CONSTRUCTION WORK ZONE SIGNS ARE IN PLACE, W20-1 OR W21-63 ARE NOT REQUIRED.

LEGEND

- **V1** LEAD VEHICLE
- **V2** SHADOW VEHICLE
- **V3** TRAIL VEHICLE WITH TMA
- **TMA** TRUCK-MOUNTED ATTENUATOR
- SIGN ON TEMPORARY SUPPORT
- DIRECTION OF TRAFFIC
- CONES
- FLASHING ARROW PANEL (CAUTION)

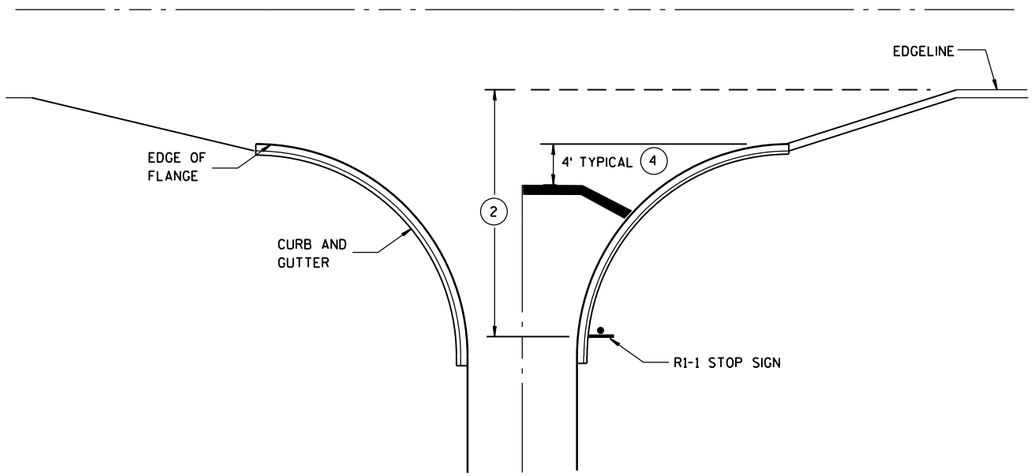
MOVING PAVEMENT MARKING OPERATION TWO-LANE TWO-WAY ROADWAY	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED	/S/ Peter Amakobe Atepe
DATE	STATEWIDE WORK ZONE SAFETY ENGINEER
FHWA	

6

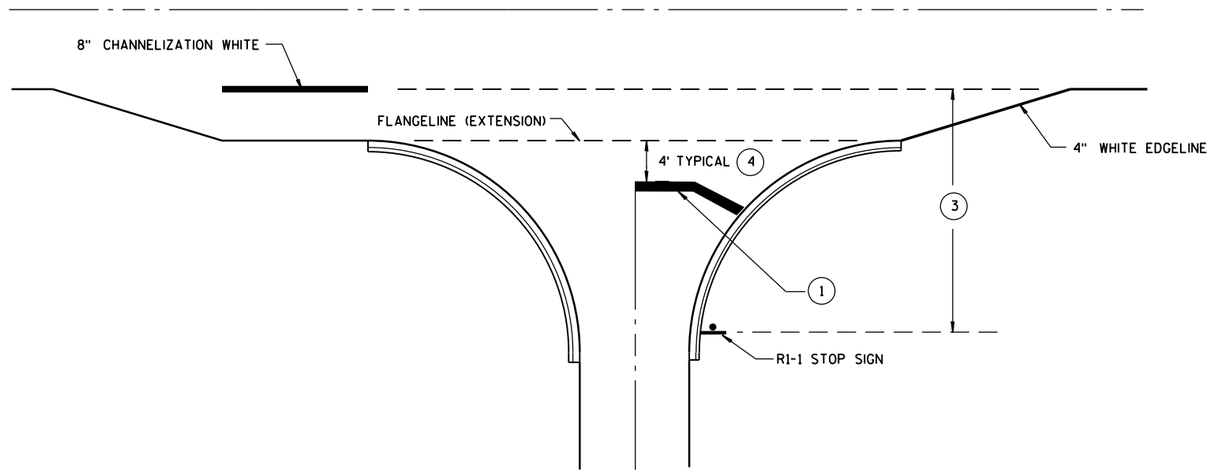
S.D.D. 15 C 19-3a

6

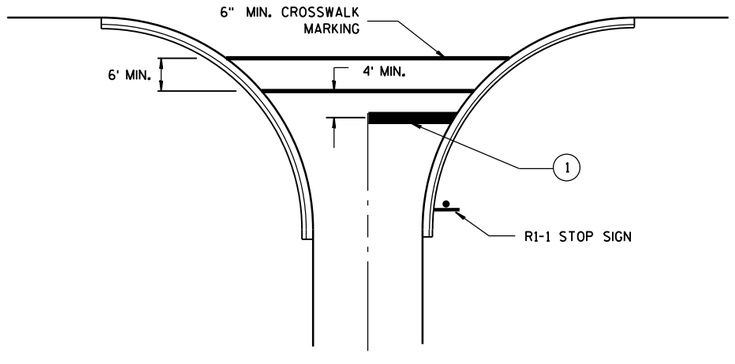
S.D.D. 15 C 19-3a



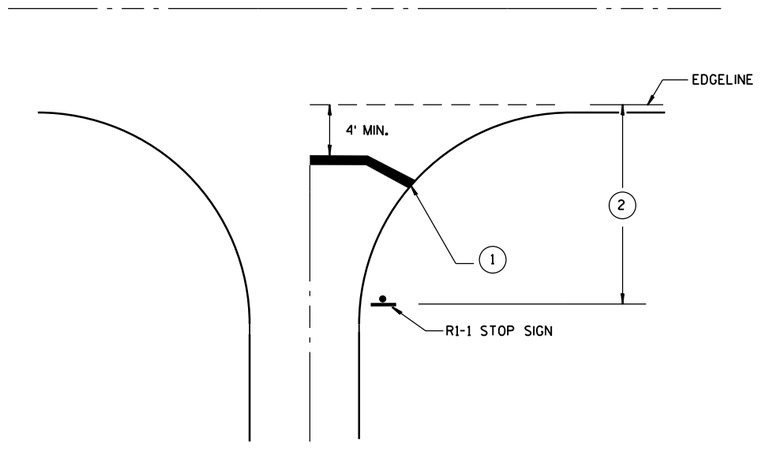
TYPICAL STOP LINE PAVEMENT MARKING WITH CURB AND GUTTER



TYPICAL STOP LINE PAVEMENT MARKING FOR SIDEROADS WITH RIGHT TURN LANE



TYPICAL STOP LINE PAVEMENT MARKING FOR SIDEROADS WITH CROSSWALK MARKING



TYPICAL STOP LINE PAVEMENT MARKING WITHOUT CURB AND GUTTER

GENERAL NOTES

1. 18-INCH STOP LINES MAY BE DELETED OR ADDED BY THE PROJECT ENGINEER BASED ON VISIBILITY AND SIGHT LINES.
2. IF STOP SIGN IS LESS THAN OR EQUAL TO 40 FEET FROM THE EDGELINE THAN NO STOP LINE IS REQUIRED.
3. IF STOP SIGN IS LESS THAN OR EQUAL TO 30 FEET FROM THE FLANGELINE EXTENSION THAN NO STOP LINE IS REQUIRED.
4. MOVE CLOSER TO EDGE OF TRAVEL LANE AS NEEDED FOR VISIBILITY AND SIGHT LINES.

STOP LINE AND CROSSWALK PAVEMENT MARKING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

4/30/2013
DATE

/S/ Travis Feltes
STATE TRAFFIC E

FHWA

6

S.D.D. 15 C 33-1

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.

ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED. IF NECESSARY DUE TO SPACE CONSTRAINTS IN URBAN AREAS, 36" X 36" SIGNS MAY BE USED IF APPROVED BY DISTRICT TRAFFIC UNIT.

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

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.

W20-1A AND G20-2A SIGNS ARE NOT REQUIRED IF THE WORK AREA IS WITHIN A LARGER WORK ZONE WHERE THESE SIGNS ARE ALREADY PRESENT. G20-2A SIGNS MAY ALSO BE OMITTED IF DURATION OF WORK IS LESS THAN 7 CONTINUOUS DAYS AND NIGHTS.

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

TABLE A

S \ W	SHOULDER TAPER LENGTH (FEET) 4	6	8	10	BUFFER SPACE (FEET)
30	20	30	40	50	200
35	30	45	55	70	250
40	40	55	75	90	305
45	60	90	120	150	360
50	70	100	135	170	425
55	75	110	150	185	495

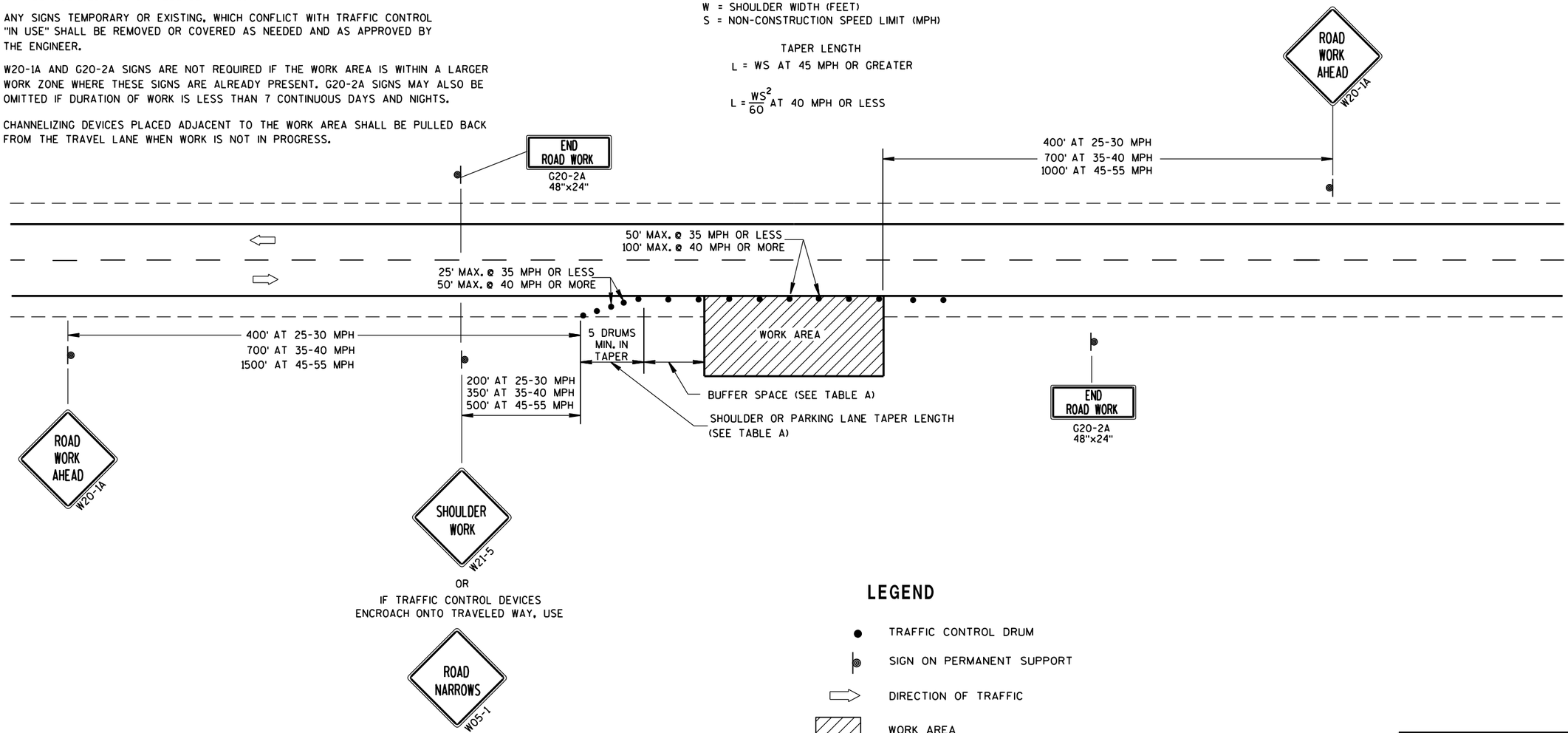
W = SHOULDER WIDTH (FEET)
S = NON-CONSTRUCTION SPEED LIMIT (MPH)

TAPER LENGTH

L = WS AT 45 MPH OR GREATER

$L = \frac{WS^2}{60}$ AT 40 MPH OR LESS

SHOULDER TAPER LENGTH = $\frac{1}{3}L$



LEGEND

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

TRAFFIC CONTROL, WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

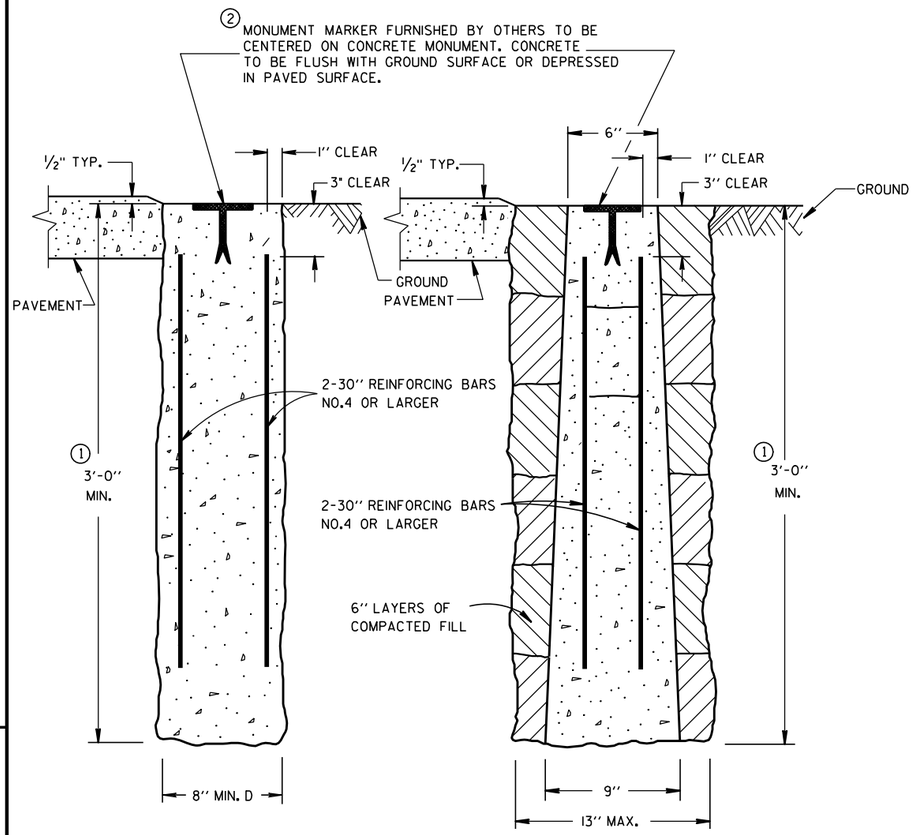
July 14, 2015 — DATE

/S/ Peter Amakobe Atepe — STATEWIDE WORK ZO SAFETY ENGI FIC

FHWA

6

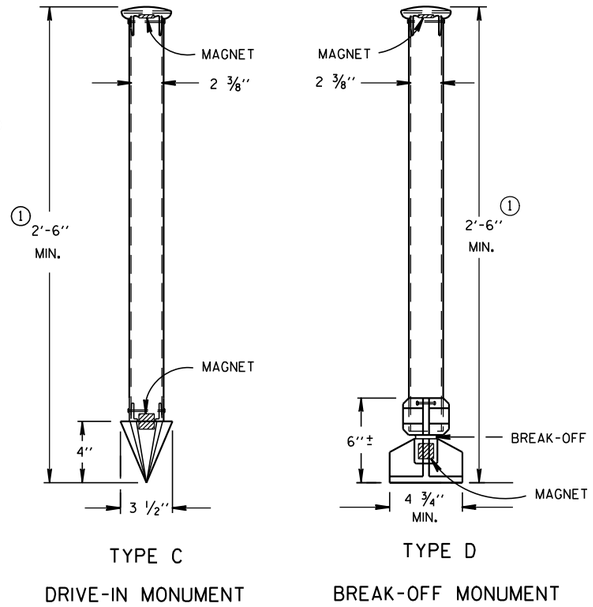
S.D.D. 15 D 28-3



CAST-IN-PLACE PRECAST

CONCRETE MONUMENTS

TYPE A



TYPE C DRIVE-IN MONUMENT

TYPE D BREAK-OFF MONUMENT

ALUMINUM MONUMENTS

(INCLUDES MARKER)

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.

DETAILED DRAWINGS OF PROPOSED ALTERNATE DESIGNS FOR METAL MONUMENTS OR MONUMENT COVERS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL.

INSTALLED METAL MONUMENTS MUST BE EASILY DETECTED WITH A DIP NEEDLE. INSERT PERMANENT MAGNETS SHALL BE ATTACHED NEAR THE TOP AND BOTTOM OF THOSE MONUMENTS CONSTRUCTED OF A METAL ALLOY WHICH IS NOT ATTRACTIVE TO A DIP NEEDLE.

THE CAST IRON MONUMENT COVER SHALL BE A "NON-ROCKING" TYPE. ADJUSTMENT OF THE COVER TO GRADE MAY BE ACCOMPLISHED BY THE USE OF MORTAR AND BRICK, OR BY EITHER PRECAST OR CAST-IN-PLACE REINFORCED CONCRETE GRADE RINGS.

MONUMENTS SHALL BE LOCATED AND PLACED AT THE DIRECTION OF THE ENGINEER.

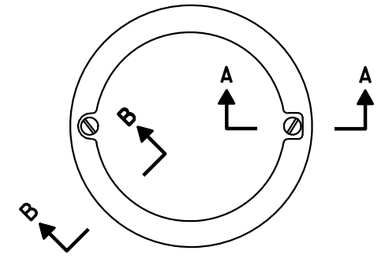
ALUMINUM MONUMENTS AND MONUMENT COVERS SHALL BE MADE FROM AN ALUMINUM AND MAGNESIUM ALLOY AS DETERMINED BY THE MANUFACTURER.

THE MONUMENT COVERS DETAILED ON THIS DRAWING ARE NOT EQUAL ALTERNATES. MONUMENT COVERS SHALL BE CAST IRON UNLESS ALUMINUM IS SPECIFIED ELSEWHERE IN THE CONTRACT.

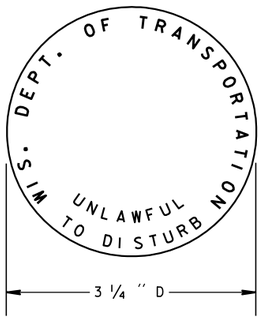
MONUMENT SHALL BE CAST-IN-PLACE CONCRETE UNLESS PRECAST CONCRETE OR ALUMINUM MONUMENTS ARE SPECIFIED IN THE CONTRACT OR PERMITTED BY THE ENGINEER.

① MINIMUM LENGTH SHALL BE 4'-0" FOR MONUMENTS INSTALLED IN PAVED AREAS.

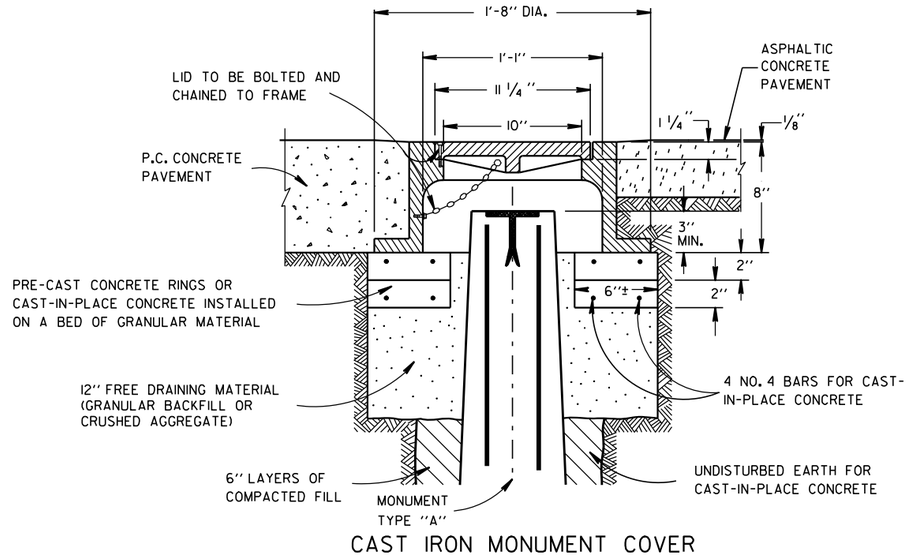
② AN OFFICIAL COUNTY MONUMENT MARKER SUPPLIED BY A COUNTY MAY BE REQUIRED FOR SOME SECTION CORNERS AND WITNESS MONUMENTS INSTEAD OF THIS WIS DOT MARKER.



TOP VIEW

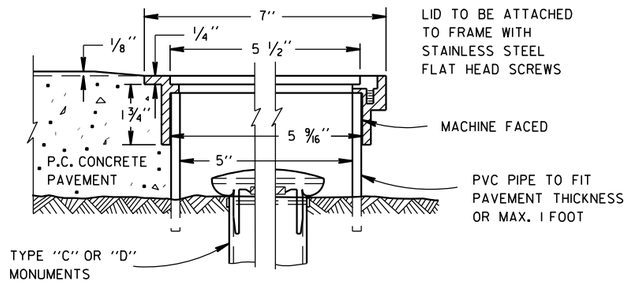


② WIS DOT MONUMENT MARKER LOGO FOR TYPES "A", "C" & "D"



CAST IRON MONUMENT COVER

(APPROXIMATE WEIGHT - 95 LBS.)



SECTION B-B SECTION A-A

ALUMINUM MONUMENT COVER

(APPROXIMATE WEIGHT 2 LBS)

(FOR CONCRETE PAVEMENT ONLY)

LANDMARK REFERENCE MOUNMENTS AND COVERS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
9/22/1999 DATE
/S/ Rory L. Rhinesmith
CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

6

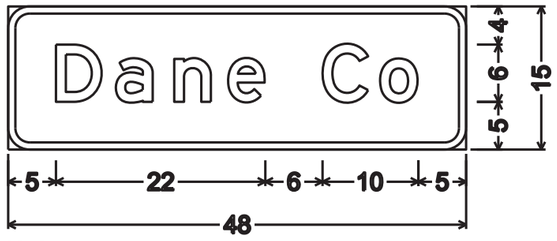
S.D.D. 16 A 1-6

6

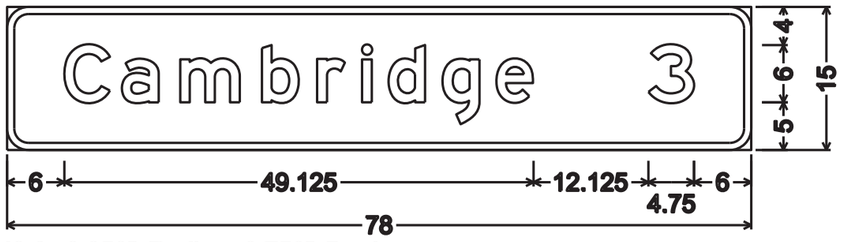
S.D.D. 16 A 1-6

NOTES

1. All Signs Type II - Type H Reflective
2. Color:
   Background - Green
   Message - White
3. Message Series - E except as noted



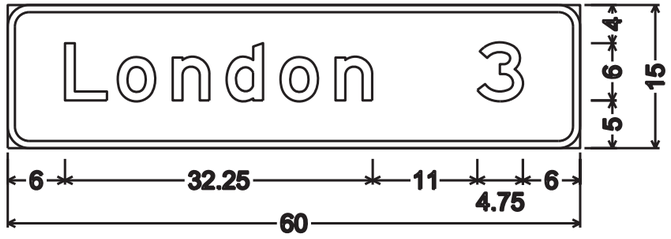
I2-2;
2.250" Radius, 0.750" Border



I2-3; 2.250" Radius, 0.750" Border

I2-2; 2.250" Radius, 0.750" Border

I2-3U;
3.000" Radius, 1.000" Border
"London" D; "UNINCORPORATED" C



I2-3;
2.250" Radius, 0.750" Border

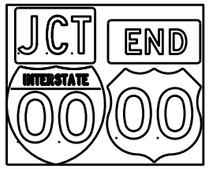
7

7

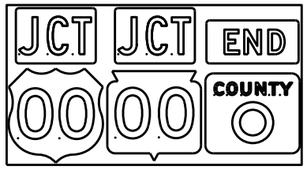
PROJECT NO: 3671-00-71	HWY: STH 134	COUNTY: JEFFERSON	PERMANENT SIGNING	SHEET NO. 106	E

TYPICAL ASSEMBLIES

J1-1

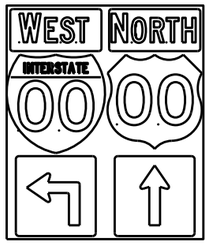


J1-2

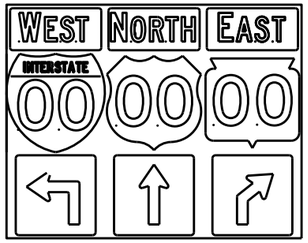


J1-3

J2-1



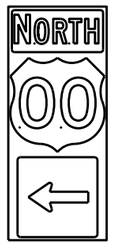
J2-2



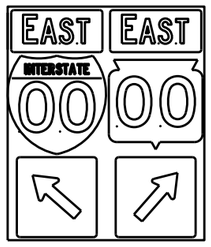
J2-3

JV

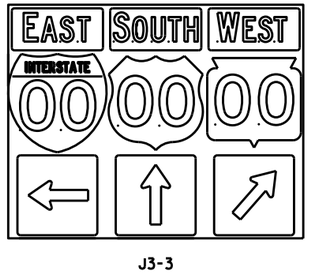
(Typical Vertical J-Assembly
See Note 10 and 11)



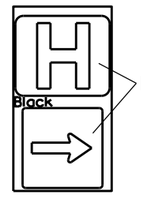
J3-1



J3-2



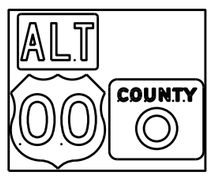
J3-3



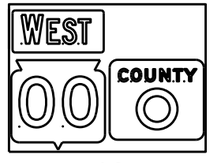
Blue Background

JH-1

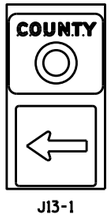
J4-1



J4-2



J4-2



J13-1

J12-1

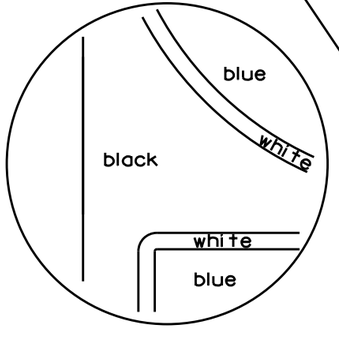
J32-1

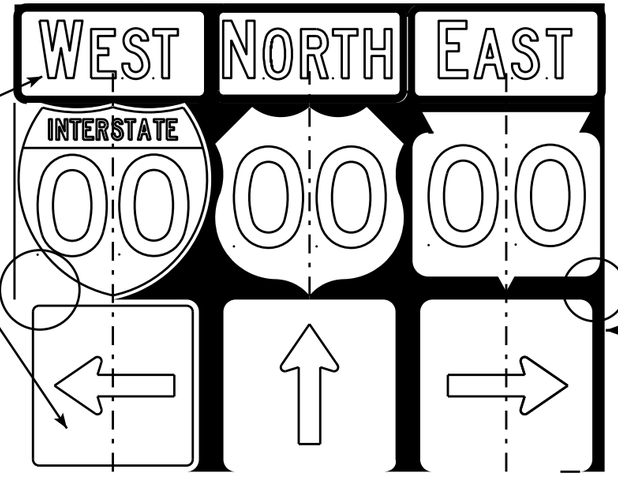
J33-1

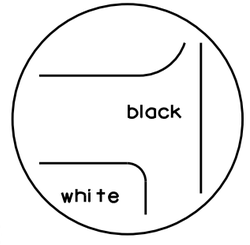
J23-1

J22-1

[blue background with interstate]







[black background]

NOTES

1. Signs are Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Black Non-reflective
   Message - see Note 5
3. Message Series - See Note 5
4. Corners shall be square or rounded if base material is plywood. If base material is metal the corners shall be rounded.
5. The colors and message spacing on each marker shall be according to the applicable route marker panel specifications.
6. Certain marker heads require the component pieces to be the same color. As an example, all the components used with an M1-1 Interstate marker shall be blue.
7. Single panel j-assemblies shall only be used with route marker shields that are same size. If the route marker shields are different size use multiple piece component.
8. Route assemblies that have 24 inch route shields and have dimensions greater than 48 inches (both vertical and horizontal) shall have one horizontal splice between the arrows and route shields. Vertical splices shall not be used on route assemblies with a horizontal dimension of 144 inches or less. The contractor shall not use more than one vertical joint per sign and the joint shall be between route shields.
9. Route assemblies that have 36 inch shields and have dimensions greater than 48 inchs (both vertical and horizontal) shall have two horizontal splices. One horizontal splice shall be between the cardinal direction and route shields and the other horizontal splice shall be between the arrows and route shields. Vertical splices shall not be used on route assemblies with a horizontal dimension of 144 or less. The contractor shall not use more than one vertical joint per sign and the joint shall be between route shields.
10. All Vertical J Assemblies are given a Sign Code of JV
11. For JV Assemblies that have a mixture of Interstate and non Interstate shields, arrows and cardinals shall be white on blue.

ROUTE MARKERS & COMPONENTS
IN TYPICAL ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

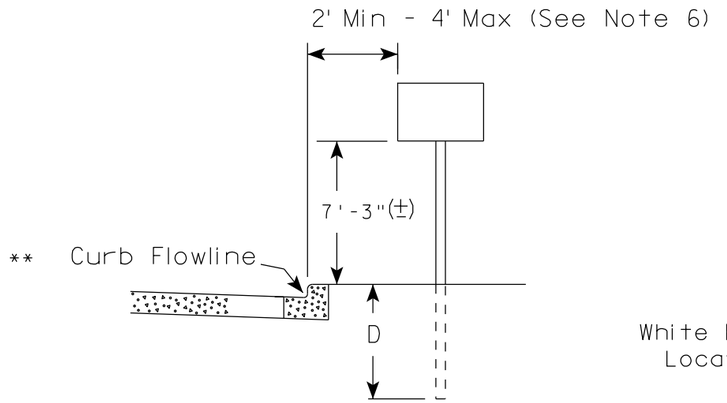
DATE 2/06/14 PL... A2-1S.8

PROJECT NO: | SHEET NO: E

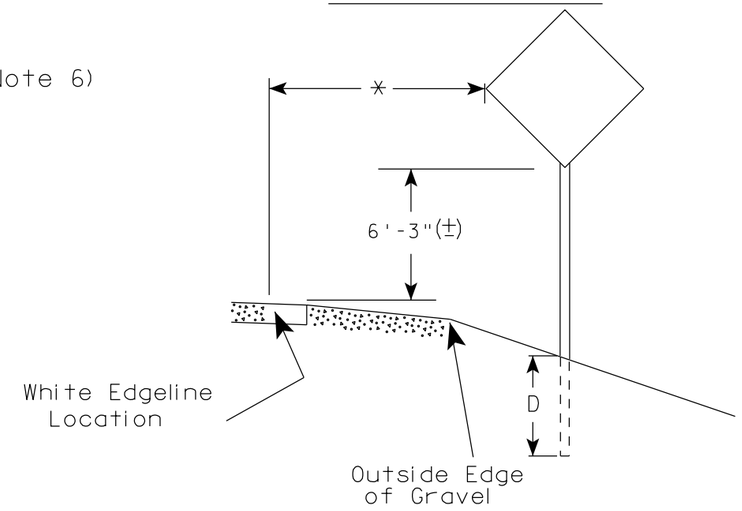
FILE NAME : C:\CAEFiles\Projects\tr_stdplate\A21S.DGN PLOT DATE : 06-FEB-2014 14:10 PLOT BY : mscsja PLOT NAME :

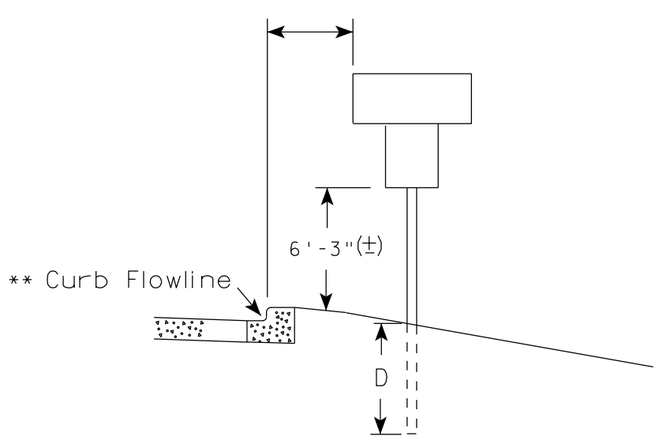
WISDOT/CADDS SHEET 42

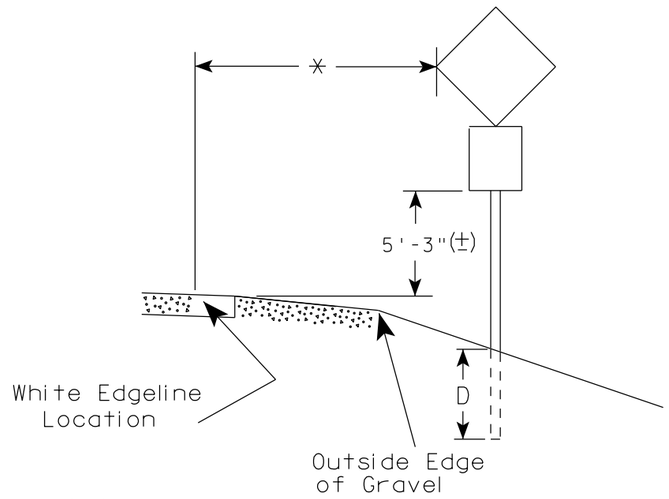
URBAN AREA



RURAL AREA (See Note 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. Offset of signs is measured from the flow line.

* 6 feet from edge of a paved shoulder or 12 feet from the edge of pavement (edge line location) or 2 feet from outside edge of gravel, whichever is greater unless directed by project engineer.

POST EMBEDMENT DEPTH

Area of Sign Installation (Sq.Ft.)	D (Min)
20 or Less	4'
Greater than 20	5'

GENERAL NOTES

1. Signs wider than 4 feet or 20 sq.ft or larger, shall be mounted on multiple posts. Refer to plate A4-4.
2. If signs are mounted on barrier wall, see A4-10 sign plate.
3. For expressways and freeways, mounting height is 7'- 3" (±) or 6'-3" (±) depending upon existence of a sub-sign.
4. Minimum mounting height for J assemblies (A2-1S) is 7'-3" (±) or 6'-3" (±) per urban or rural detail respectively.
5. Minimum mounting height for signs mounted on traffic signal poles is 5'- 3" (±).
6. Offset distance shall be consistent with existing signs or consistent throughout length of project.
7. The (±) tolerance for mounting height is 3 inches.
8. Folding signs shall be mounted at a height of 5'-3" (±) or as directd by the Engineer.
9. The Double Arrow sign (W12-1) shall be mounted at a height of 2'-3" (±). The Chevron sign (W1-8), Roundabout Chevron panel (R6-4B), Enhanced Reference Markers, Clearance Markers (W5-52), Mile Markers (D10 series), In Road Object Markers (W5-54) & End of Road Markers (W5-56) shall be mounted at a height of 4'-3" (±).

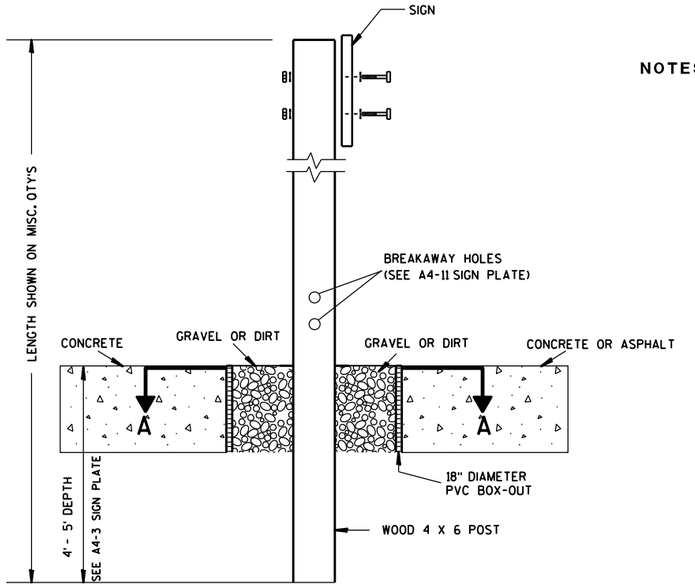
TYPICAL INSTALLATION OF PERMANENT TYPE II SIGNS ON SINGLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 7/23/15 PLATE NO. A4-3.20

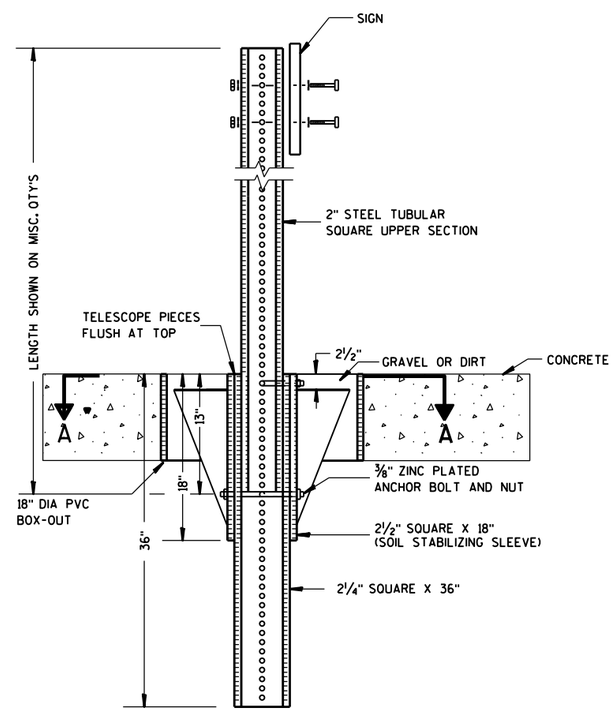
PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E



ELEVATION VIEW

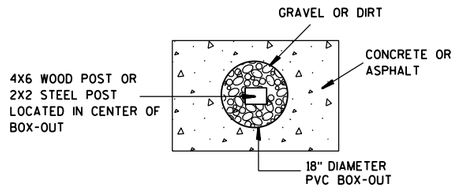
DETAIL OF WOOD 4 X 6 SIGN POST IN BOX-OUT

NOTES:
1. ALL MATERIAL TO BE APPROVED BY ENGINEER PRIOR TO INSTALLATION
2. SEE SIGN PLATE A4-8 FOR SIGN HARDWARE REQUIREMENTS
3. 18 INCH X 18 INCH SQUARE BOX-OUTS MAY BE USED FOR INSTALLATIONS IN EXISTING CONCRETE OR ASPHALT LOCATIONS.



ELEVATION VIEW

DETAIL OF STEEL 2 X 2 SIGN POST IN BOX-OUT



PLAN VIEW

FOR NEW CONCRETE/ASPHALT INSTALLATIONS

SIGN POST BOX-OUTS A4-3B

WISCONSIN DEPT OF TRANSPORTATION

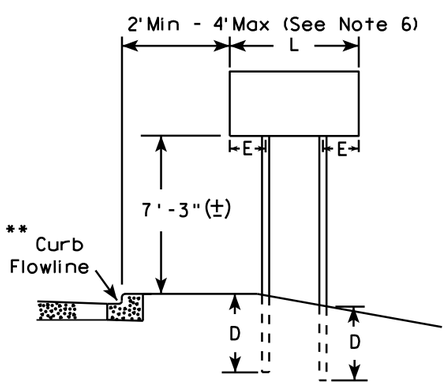
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 1/27/14 PLATE NO. A4-3B.1

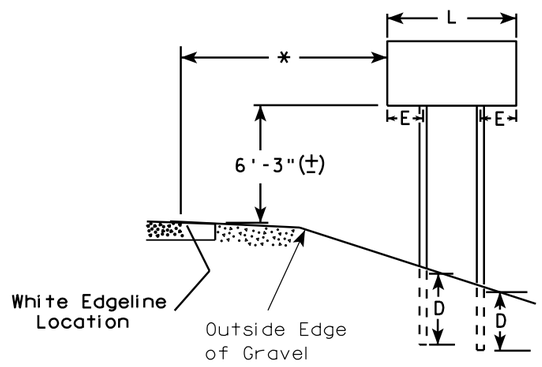
PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

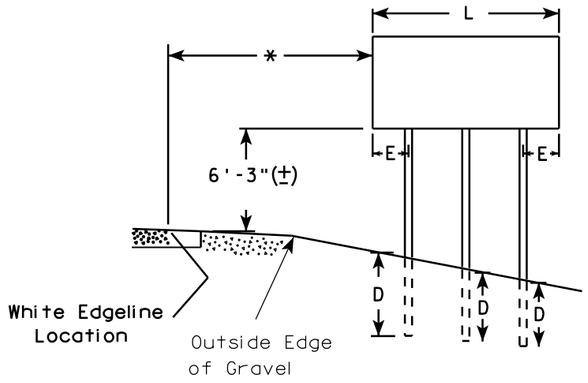
FILE NAME : C:\CAEFiles\Projects\tr_stdplate\A43B.DGN PLOT DATE : 27-JAN-2014 09:48 PLOT BY : mscsja PLOT NAME : PLOT SCALE : 13.659812:1.000000 WISDOT/CADDS SHEET 42

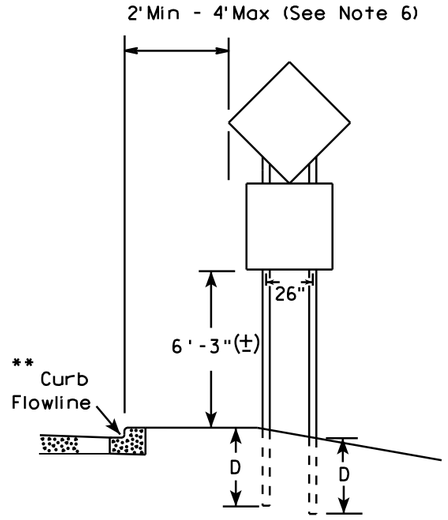
URBAN AREA



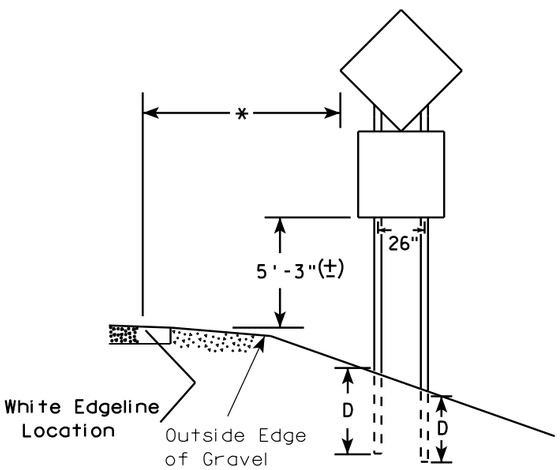
RURAL AREA (See Note 3)







48" DIAMOND WARNING SIGN



48" DIAMOND WARNING SIGN

***	SIGN SHAPE OTHER THAN DIAMOND (TWO POSTS REQUIRED)	
	L	E
	Greater than 48" Less than 60"	12"
	60" to 120"	L/5

SIGN SHAPE OTHER THAN DIAMOND (THREE POSTS REQUIRED)	
L	E
Greater than 120" less than 168"	12"

SIGN SHAPE OTHER THAN DIAMOND (FOUR POSTS REQUIRED)	
L	E
168" and greater	12"

GENERAL NOTES

1. For 3 or 4 post installations, individual post spacing shall be greater than 3'-6".
2. See tables below for required number of posts.
3. For expressways and freeways, mounting height is 7'-3" (±) or 6'-3" (±) depending upon existence of sub-sign.
4. The (±) tolerance for mounting height is 3 inches.
5. Minimum mounting height for J assemblies (A2-1S) is 7'-3" (±) or 6'-3" (±) per urban or rural detail respectively.
6. Offset distance shall be consistent with existing signs or consistent throughout length of project.
7. Folding signs shall be mounted at a height of 5'-3" (±) or as directed by the engineer.
8. The Double Arrow sign (W12-1) shall be mounted at a height of 2'-3" (±). The Chevron sign (W1-8), Roundabout Chevron panel (R6-4B), Clearance Markers (W5-52), Mile Markers (D10 series), In Road Object Markers (W5-54) & End of Road Markers (W5-56) shall be mounted at a height of 4"-3" (±).

* 6 feet from edge of a paved shoulder or 12 feet from the edge of pavement (edge line location) or 2 feet from outside edge of gravel, whichever is greater unless directed by project engineer.

** 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. Offset of signs is measured from the flow line.

*** See A4-3 sign plate for signs 4' or less in width and less than 20 S.F. in area.

POST EMBEDMENT DEPTH

Area of Sign Installation (Sq. Ft.)	D (Min)
20 or Less	4'
Greater than 20	5'

TYPICAL INSTALLATION OF TYPE II SIGNS ON MULTIPLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

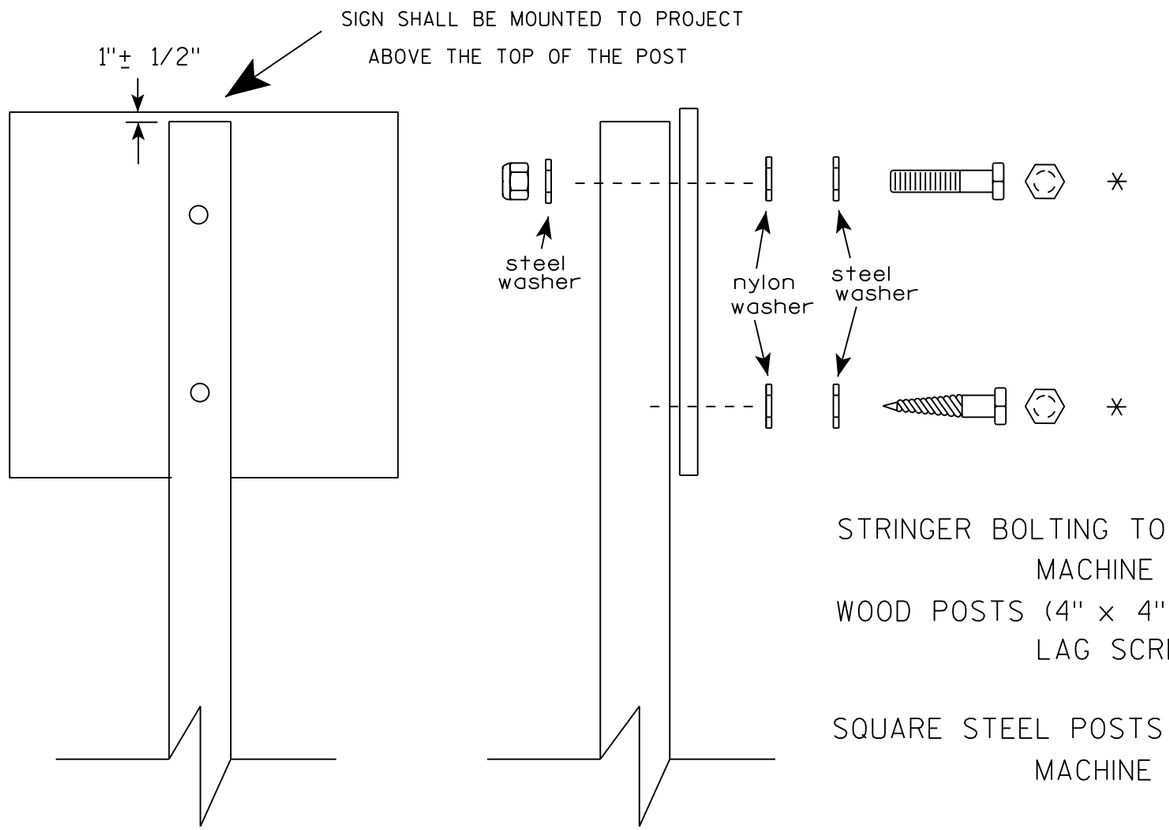
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 7/23/15 PLATE NO. A4-4 110 14

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\A44.DGN PLOT DATE : 23-JUL-2015 15:23 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 107.021305:1.000000

WISDOT/CADDS SHEET 42



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.

STRINGER BOLTING TO ALUMINUM SIGNS (SEE SIGN PLATE A4-18)
MACHINE BOLTS - 5/16" X 1-3/4" Length w/ lock nuts
WOOD POSTS (4" x 4" or 4" x 6")
LAG SCREWS - 3/8" X 3" (NO STRINGERS ON BACK OF SIGN)
3/8" X 4" (STRINGERS ON BACK OF SIGN)
SQUARE STEEL POSTS (2" x 2")
MACHINE BOLTS - 3/8" X 3-1/4" Length w/ nuts (NO STRINGER ON BACK OF SIGN)
3/8" X 5" Length w/ nuts (STRINGERS ON BACK OF SIGN)
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

* 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, but normally there are two. For a single post installation, all signs greater than 9 sq. ft. require the use of 3 fasteners.

ATTACHMENT OF SIGNS TO POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
For State Traffic Engineer

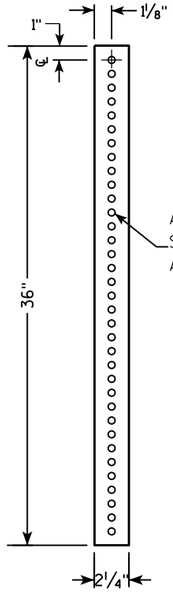
DATE 8/11/16 PLATE NO. A4-8.8

PROJECT NO: SHEET NO: E

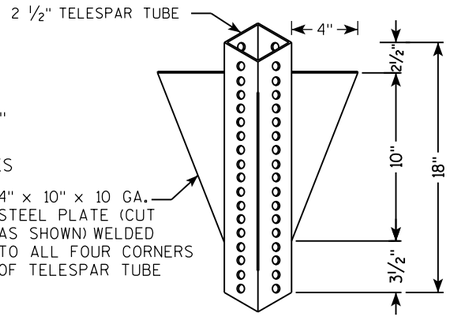
FILE NAME : C:\CADfiles\Projects\tr_stdplate\A48.DGN PLOT DATE : 11-AUG-2016 11:35 PLOT BY : $$ plotuser $$

TELESCOPIC TUBING ANCHORS
TWO PIECE SYSTEM

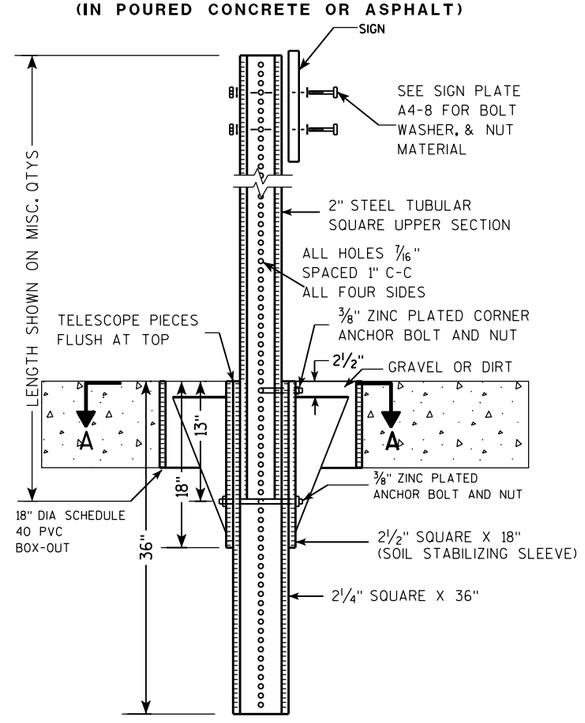
2 1/4 " SQUARE
12 GAUGE
PERFORATED
GALVANIZED FINISH



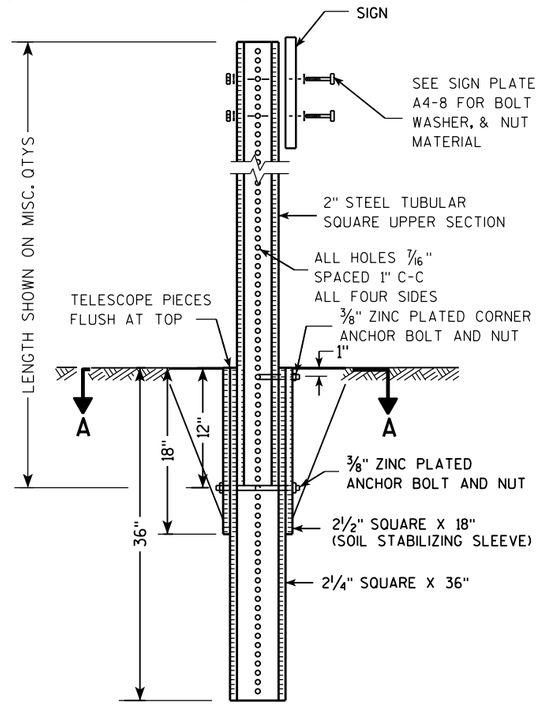
2 1/2 " SQUARE
12 GAUGE
OMNI-DIRECTIONAL
PERFORATED
SOIL STABILIZING SLEEVE
GALVANIZED FINISH

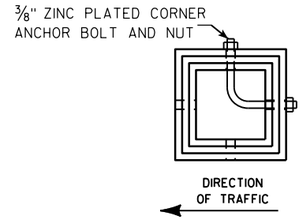


DETAIL OF TUBULAR STEEL SIGN POST
(IN POURED CONCRETE OR ASPHALT)



DETAIL OF TUBULAR STEEL SIGN POST
(IN LOCATIONS OTHER THAN POURED CONCRETE OR ASPHALT)





SECTION A-A

Area of Sign Installation (Sq. Ft.)	Number of Required 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).

TUBULAR STEEL
SIGN POST
A4-9

WISCONSIN DEPT OF TRANSPORTATION

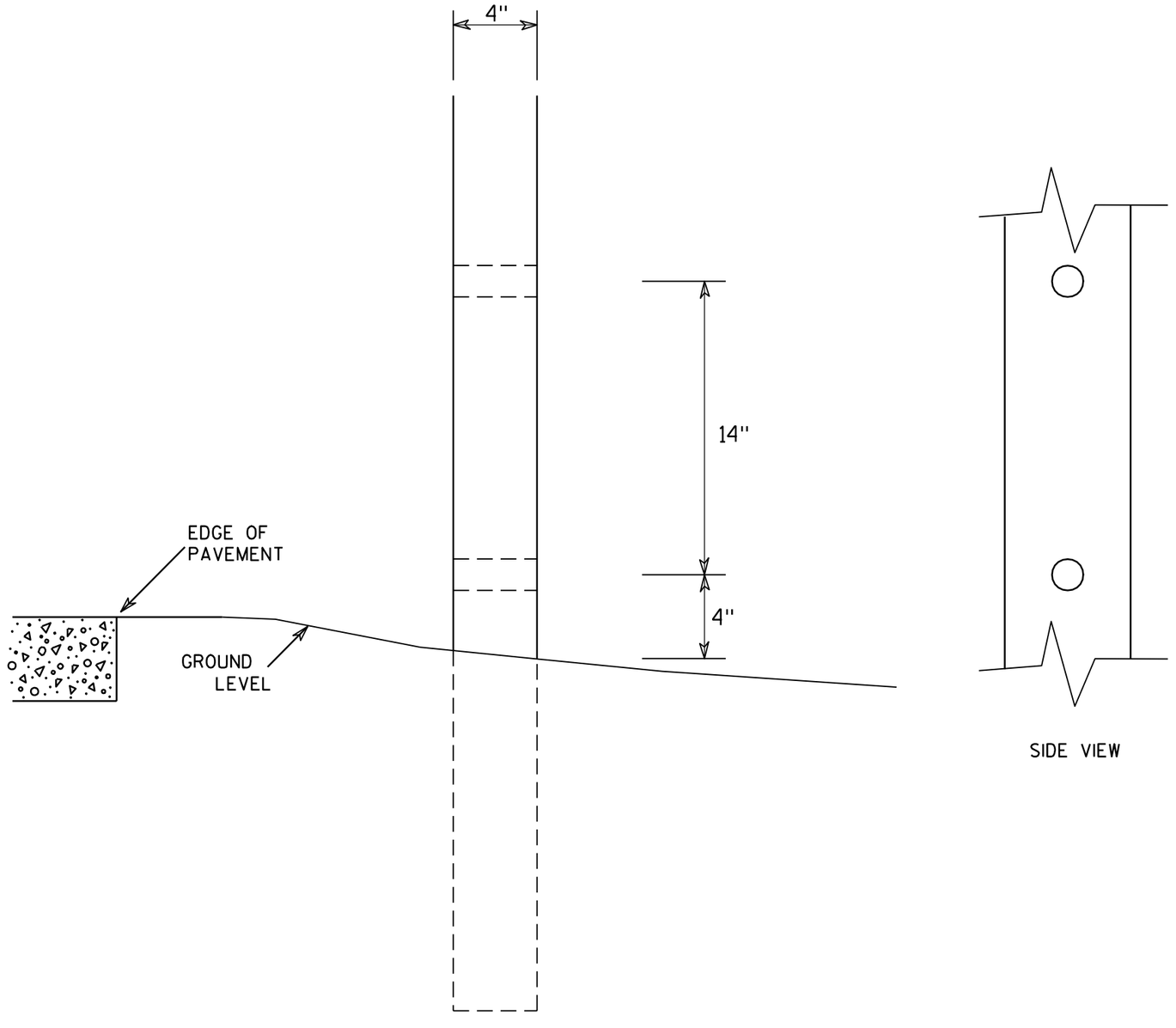
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/05/15 PLATE 112 A4-9.9

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\A49.DGN PLOT DATE : 05-FEB-2015 17:09 PLOT BY : mscsja PLOT NAME : PLOT SCALE : 13.659812:1.000000

WISDOT/CADDS SHEET 42



SIDE VIEW

GENERAL NOTES

1. All 4 x 6 Wood Posts shall be modified by having two 1½" diameter holes drilled perpendicular to the roadway centerline.

7

7

4 X 6 WOOD POST MODIFICATIONS

WISCONSIN DEPT OF TRANSPORTATION

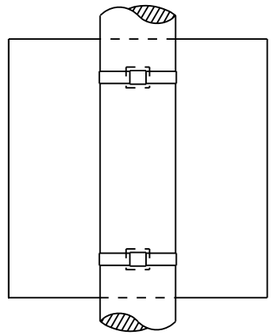
APPROVED Chester J Spang
for State Traffic Engineer

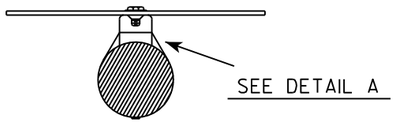
DATE 3/27/97 PLATE NO. A4-11.2

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 113	E

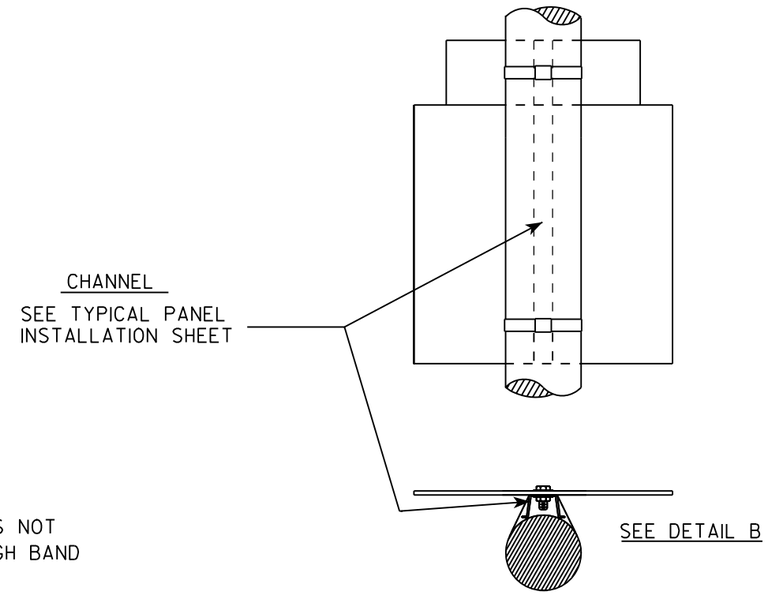
BANDING

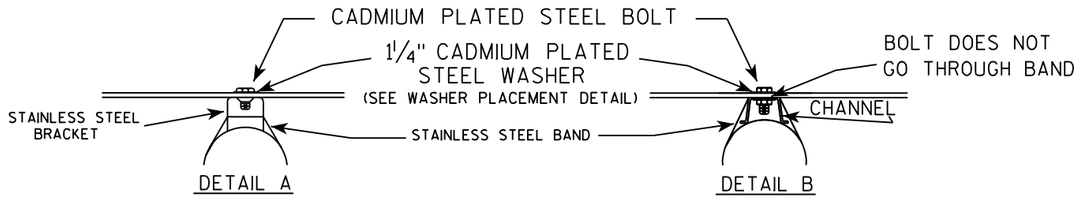
SINGLE SIGN



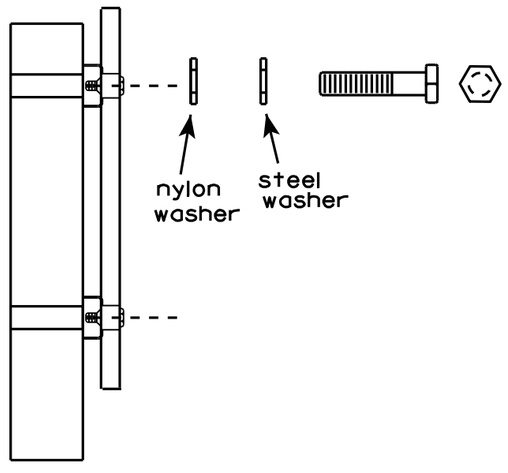


"J" ASSEMBLY





WASHER PLACEMENT



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

GENERAL NOTES

1. Any sign over 3 feet in width shall use the V-Block banding method. See A5-10 standard plate.
2. Signs 3 feet or greater in height shall have three bracket bands installed. Signs less than 3 feet in height shall have two bracket bands installed.
3. Banding and assembly bracket shall be stainless steel. All bands shall be ¾" in width and 0.025" thickness.

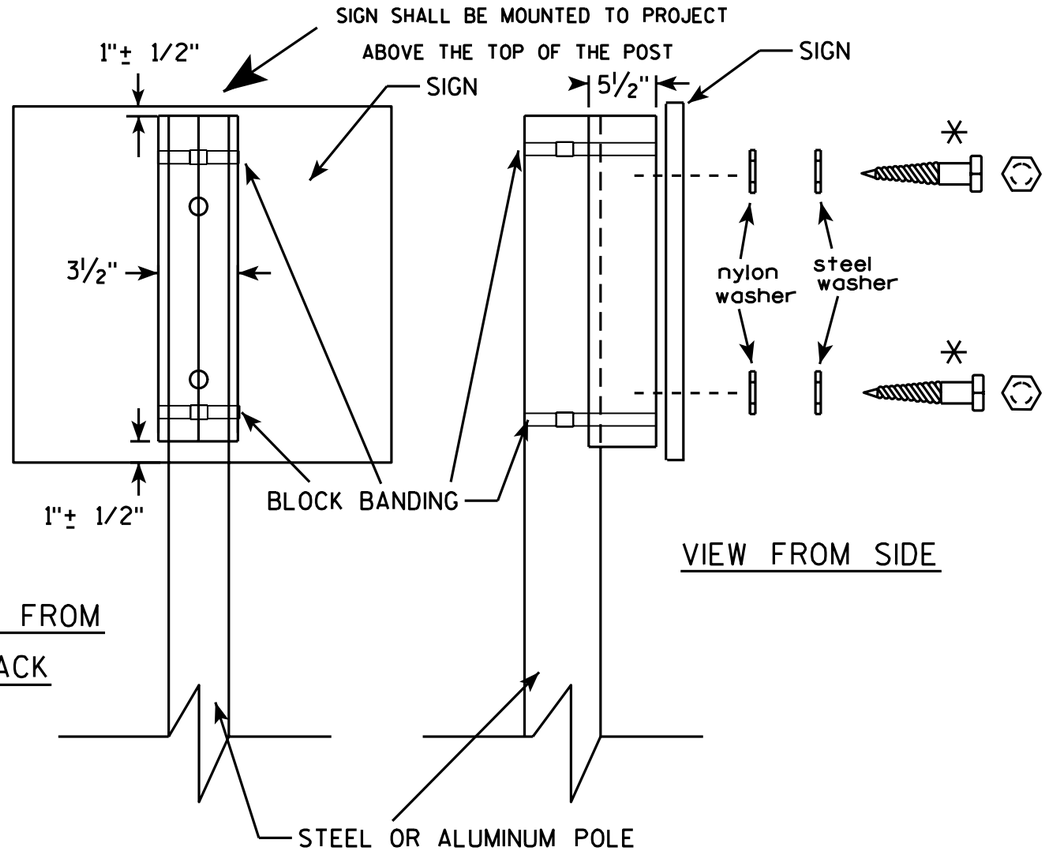
STANDARD SIGN
SIGN BANDING DETAILS

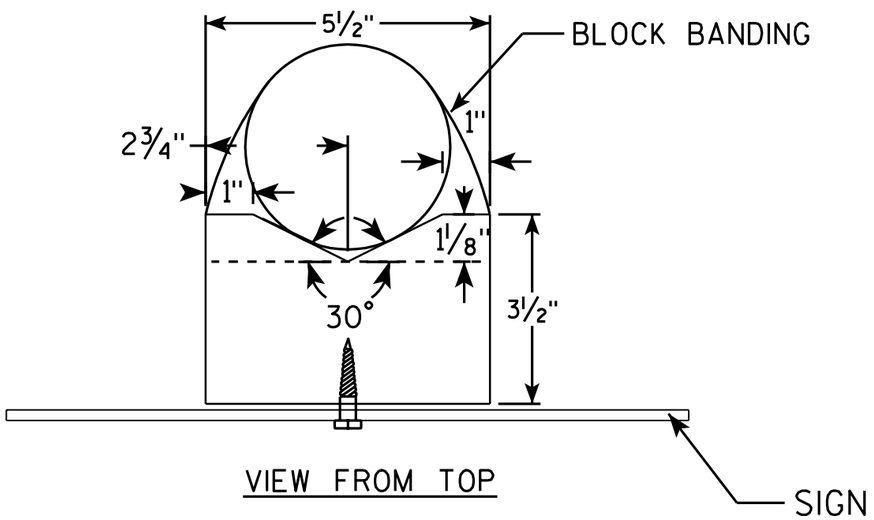
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 8/16/13 PLATE NO. A5-9.3

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 114	E





GENERAL NOTES

1. WOOD 4"X6" POST MATERIAL SHALL CONFORM TO 507.2.2 OF THE WisDOT STANDARD SPECIFICATIONS
2. BLOCK BANDING AND CLIPS SHALL BE STAINLESS STEEL, ¾" WIDTH AND 0.025" THICKNESS
3. SIGNS 3' OR GREATER IN HEIGHT SHALL UTILIZE 3 BLOCK BANDS. SIGNS UNDER 3' IN HEIGHT SHALL UTILIZE 2 BLOCK BANDS
4. ACTUAL NUMBER OF FASTENERS PER SIGN VARIES WITH THE SIGN AREA, BUT NORNALLY THERE ARE TWO. FOR SIGNS GREATER THAN 9 S.F. 3 FASTENERS SHALL BE USED.
5. ALL SIGN MOUNTING BOLTS AND WASHERS SHALL BE EITHER:
   a. Hot dip or mechanically galvanized in accordance with ASTM Designation: A 153, Class D, or
   b. Cadmium plated in accordance with ASTM Designation : B 766 TYPE 3, Class 12, or
   c. Electro-galvanized in accordance with ASTM Designation : B 633, TYPE III, SC 3.
6. ALL BOLTS SHALL HAVE HEXAGONAL HEADS.
7. STEEL WASHERS SHALL BE 1¼" O.D. X ⅜" I.D. X 1/16"
8. NYLON WASHERS SHALL BE 1¼" O.D. X ⅜" I.D. X .080 FOR TYPE H OR TYPE F FACE SIGN

✳ LAG BOLTS SHALL BE ⅜" X 2½"

BLOCK BANDING DETAIL (V-BLOCK OPTION)

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

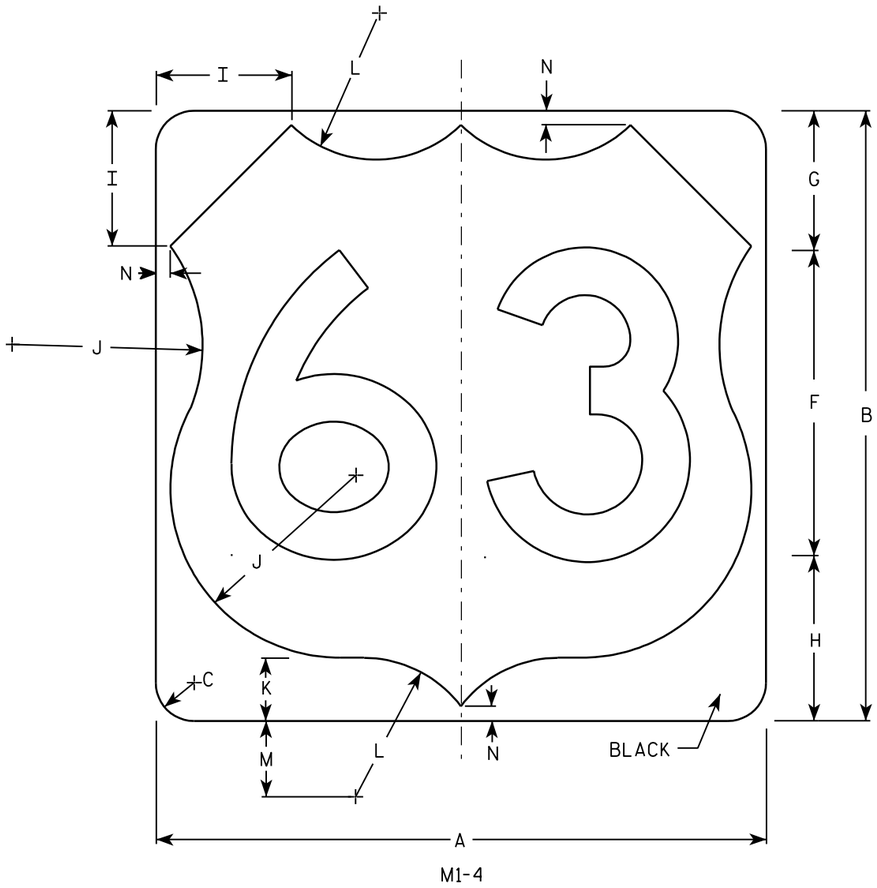
DATE 7/12/07 PLATE NO. A5-10.1

PROJECT NO:

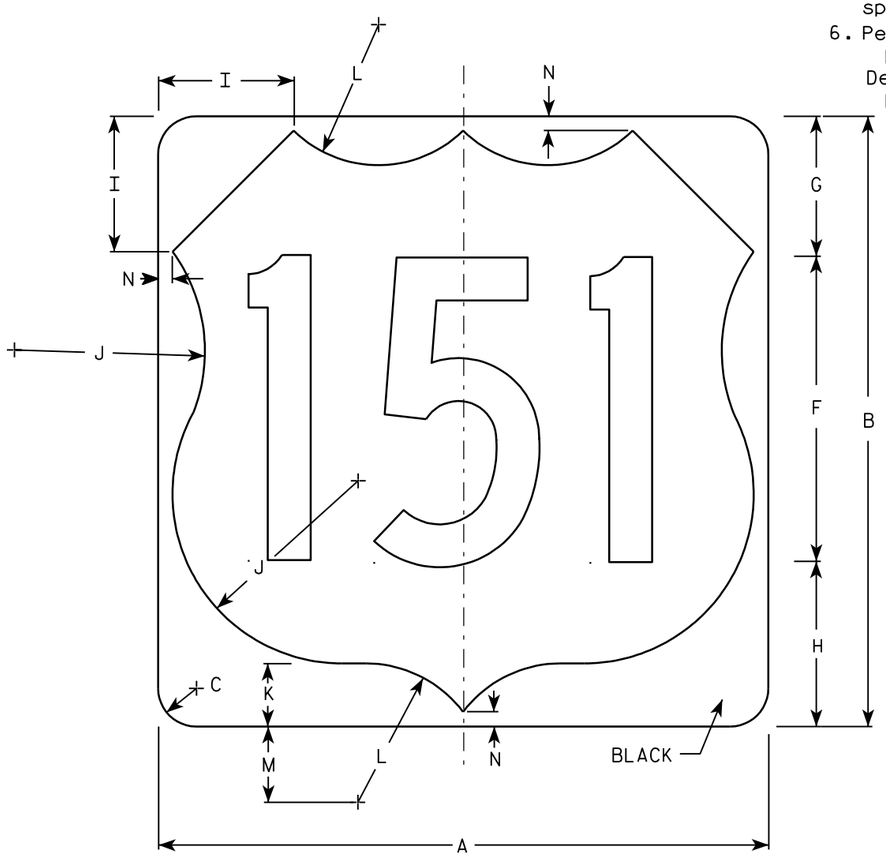
SHEET NO: 115 E

NOTES

1. Sign is Type II - See Note 6 - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White & Black - See Note 6
   Message - Black
3. Message Series - See note 5
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Substitute appropriate numerals and adjust spacing as per Plate A10-1.
6. Permanent Signs
   Background - Type H Reflective
   Detour or other temporary signs
   Background - Reflective



M1-4



M1-4

Metric equivalent for this sign is:

SIZE	
1	
2	600 mm X 600 mm
3	900 mm X 900 mm
4	900 mm X 900 mm
5	900 mm X 900 mm

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Areq sq. ft.	Area m2
1																												
2	24	24	1 1/2			12	5 1/2	6 1/2	5	7 1/2	2 1/2	5 1/2	3	1/2													4.0	.36
3	36	36	2 1/4			18	8 1/4	9 1/4	7 1/4	11 1/4	3 3/4	8 1/4	4 1/2	3/4													9.0	.81
4	36	36	2 1/4			18	8 1/4	9 1/4	7 1/4	11 1/4	3 3/4	8 1/4	4 1/2	3/4													9.0	.81
5	36	36	2 1/4			18	8 1/4	9 1/4	7 1/4	11 1/4	3 3/4	8 1/4	4 1/2	3/4													9.0	.81

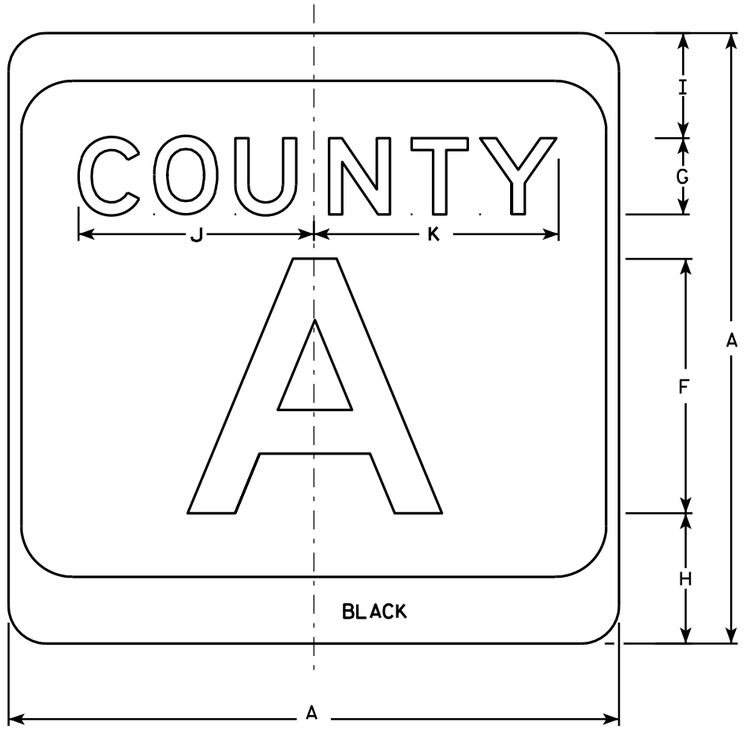
USH MARKER
M1-4 FOR ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

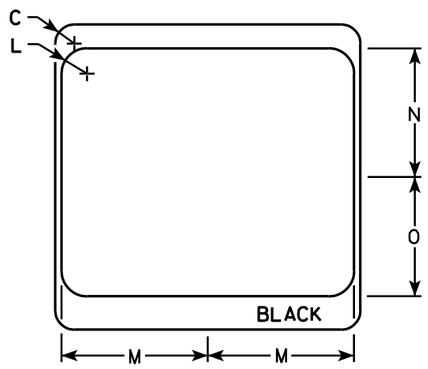
APPROVED Matthew R Rauch
for State Traffic Engineer

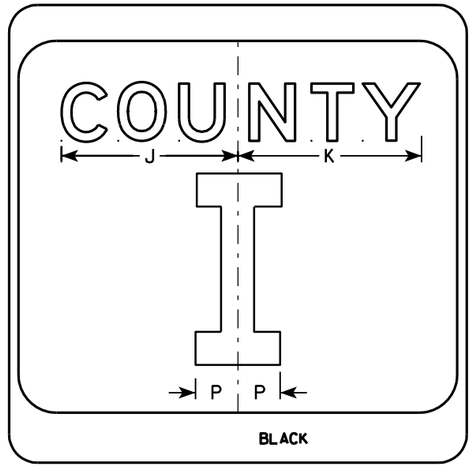
DATE 08/25/05 PLATE NO. M1-4.9

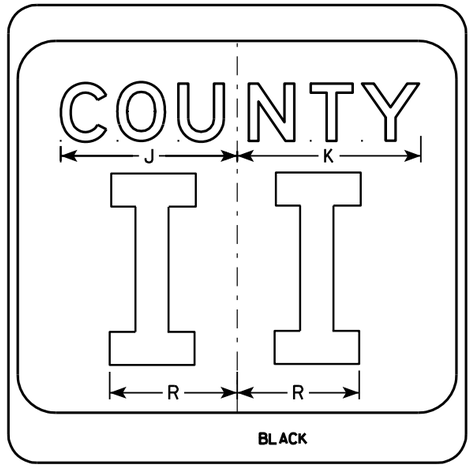
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 116 | E



M1-5A







NOTES

1. Sign is Type II - see Note 7 - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White & Black - See Note 7
   Message - Black
3. Message Series - see Note 5
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Message Series E for 1 letter.
   Message Series D for 2 letters unless message is too big then Series C.
   Message Series C for 3 letters unless message is too big then Series B.
6. Substitute appropriate letters & optically center to achieve proper balance.
7. Permanent Signs
   Background - Type H Reflective
   Detour or temporary Signs
   Background - Reflective

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	24		1 1/2			10	3	5 1/8	4 1/8	9 1/4	9 5/8	2	11 1/2	10 1/8	9 3/8	2 1/4		6 5/8									4.0
3	36		2 1/4			16	4	7 5/8	5 5/8	12 1/4	12 7/8	3	17 1/8	15 1/4	14	3 3/8		10									9.0
4	36		2 1/4			16	4	7 5/8	5 5/8	12 1/4	12 7/8	3	17 1/8	15 1/4	14	3 3/8		10									9.0
5	36		2 1/4			16	4	7 5/8	5 5/8	12 1/4	12 7/8	3	17 1/8	15 1/4	14	3 3/8		10									9.0

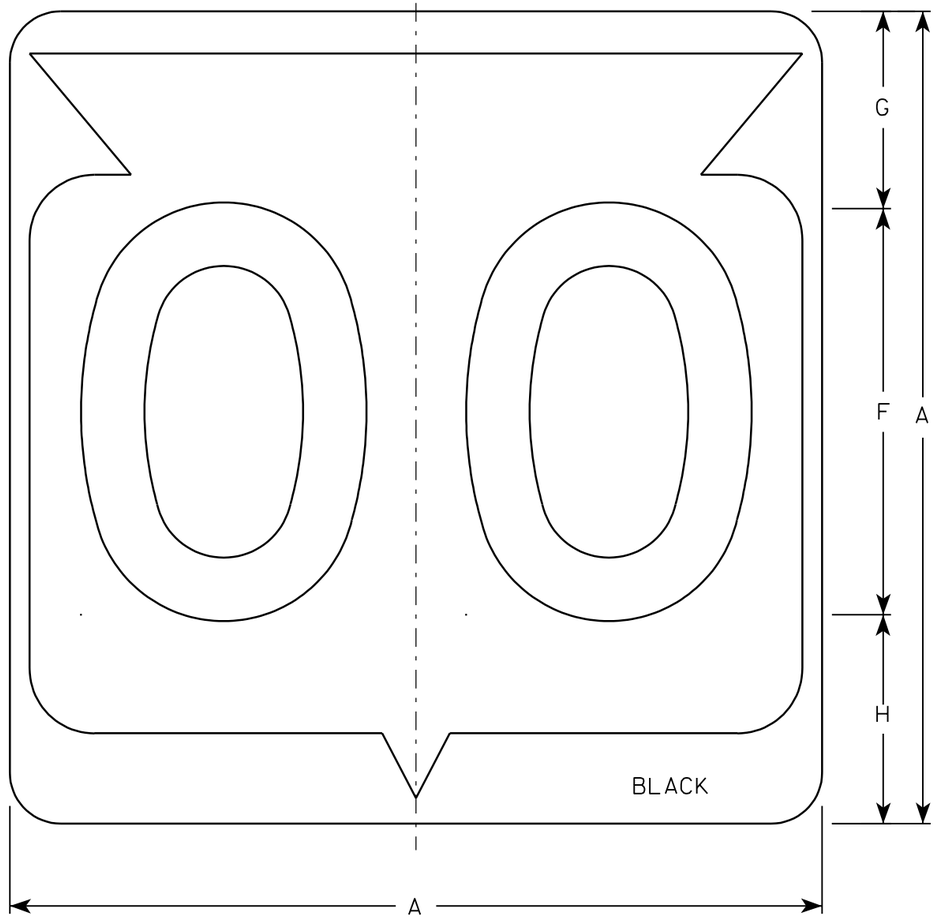
CTH MARKER
M1-5A FOR ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 9/27/11 PLATE NO. M1-5A.8

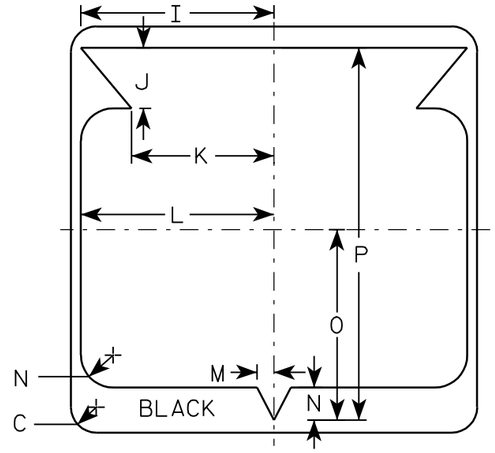
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 117	E



M1-6

NOTES

1. Sign is Type II - See Note 6 - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White & Black - See Note 6
   Message - Black
3. Message Series - See note 5
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Substitute appropriate Series numerals and adjust spacing as per plate A10-1.
6. Permanent Signs
   Background - Type H Reflective
   Detour or temporary Signs
   Background - Reflective



Metric equivalent for this sign is:

SIZE	
1	
2	600 mm X 600 mm
3	900 mm X 900 mm
4	900 mm X 900 mm
5	900 mm X 900 mm

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.	Area m2
1																												
2	24		1 1/2			12	5 1/2	6 1/2	10 1/4	2 1/2	8 7/8	11 1/2	1	1 7/8	11 1/4	21 7/8											4.0	.36
3	36		2 1/4			18	8 3/4	9 1/4	15 3/8	5 3/8	12 5/8	17 1/8	1 1/2	2 7/8	16 7/8	33											9.0	.81
4	36		2 1/4			18	8 3/4	9 1/4	15 3/8	5 3/8	12 5/8	17 1/8	1 1/2	2 7/8	16 7/8	33											9.0	.81
5	36		2 1/4			18	8 3/4	9 1/4	15 3/8	5 3/8	12 5/8	17 1/8	1 1/2	2 7/8	16 7/8	33											9.0	.81

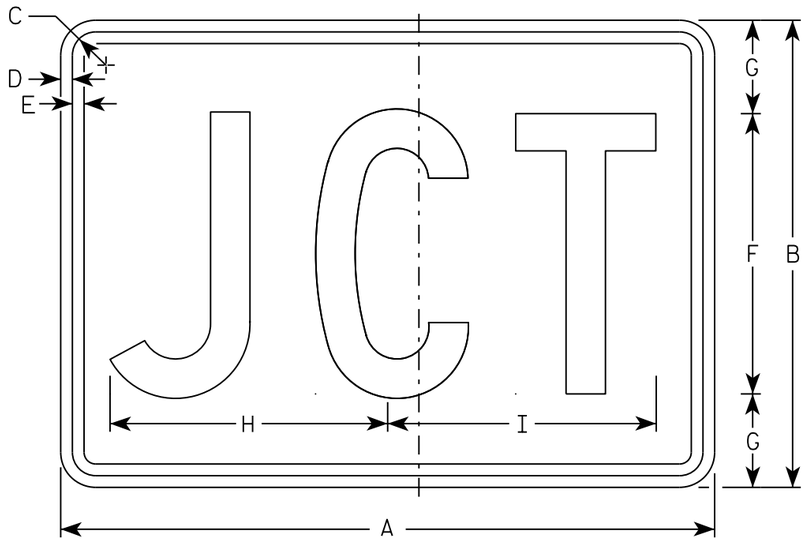
STATE ROUTE MARKER M1-6 FOR ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

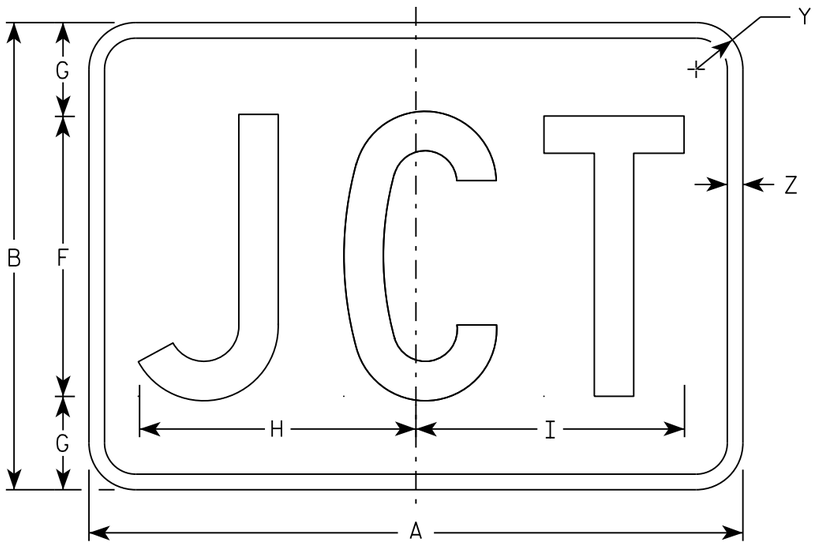
APPROVED Chester J Spang for State Traffic Engineer

DATE 3/20/02 PLATE NO. M1-6.9

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 118	E



M2-1
MM2-1
MP2-1



MB2-1
MK2-1
MN2-1
MR2-1

NOTES

1. Sign is Type II - Type H
2. Color:
   Background - See note 5
   Message - See note 5
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. M2-1 Background - White
   Message - Black
   MB2-1 Background - Blue
   Message - White
   MK2-1 Background - Green
   Message - White
   MM2-1 Background - White
   Message - Green
   MN2-1 Background - Brown
   Message - White
   MP2-1 Background - White
   Message - Blue
   MR2-1 Background - Brown
   Message - Yellow

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	21	15	1 1/8	3/8	3/8	9	3	8 7/8	8 5/8																1 1/2	1/2	2.20
3	30	21	1 1/8	3/8	3/8	13	4	12 7/8	12 3/8																1 1/2	1/2	4.40
4	30	21	1 1/8	3/8	3/8	13	4	12 7/8	12 3/8																1 1/2	1/2	4.40
5	30	21	1 1/8	3/8	3/8	13	4	12 7/8	12 3/8																1 1/2	1/2	4.40

STANDARD SIGN
M2-1

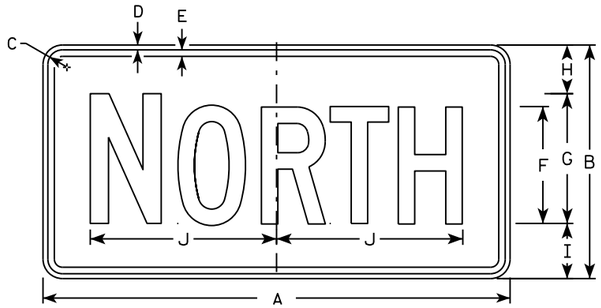
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

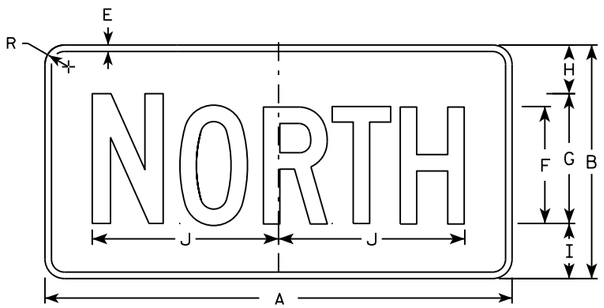
DATE 10/15/15 PLATE 119 12-1.12

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\M21.DGN PLOT DATE : 01-DEC-2015 17:54 PLOT BY : $$ plotuser $$ PLOT NAME : PLOT SCALE : 4.864603:1.000000



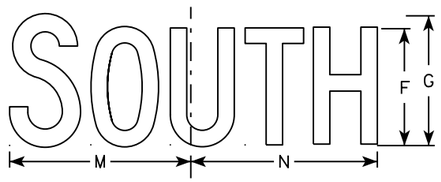
M3-1
MM3-1
MP3-1



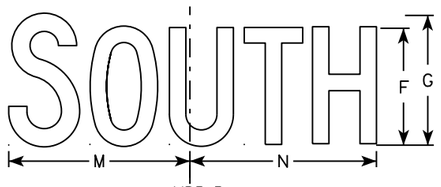
MB3-1
MK3-1
MN3-1

M3-2
MM3-2
MP3-2

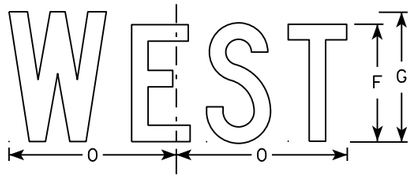
MB3-2
MK3-2
MN3-2



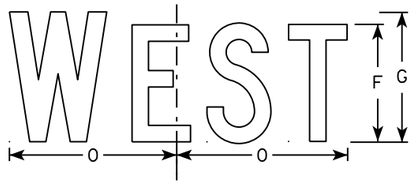
M3-3
MM3-3
MP3-3



MB3-3
MK3-3
MN3-3



M3-4
MM3-4
MP3-4



MB3-4
MK3-4
MN3-4

NOTES

1. All Signs Type II - Type H
2. Color:
   Background - See note 5
   Message - See note 5
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. M3-1 thru M3-4 Background - White
   Message - Black
   MB3-1 thru MB3-4 Background - Blue
   Message - White
   MK3-1 thru MK3-4 Background - Green
   Message - White
   MM3-1 thru MM3-4 Background - White
   Message - Green
   MN3-1 thru MN3-4 Background - Brown
   Message - White
   MP3-1 thru MP3-4 Background - White
   Message - Blue
6. Note the first letter of each direction is larger than the remainder of the message.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	24	12	1 1/8	3/8	3/8	6	7	2 1/4	2 3/4	10 1/4	7 7/8	8 3/8	10 1/4	9 3/4	8 3/4			1 1/2									2.00
3	36	18	1 1/8	3/8	1/2	9	10	3 3/4	4 1/4	14 3/8	12	12 1/8	14	14 1/8	13			1 1/2									4.5
4	36	18	1 1/8	3/8	1/2	9	10	3 3/4	4 1/4	14 3/8	12	12 1/8	14	14 1/8	13			1 1/2									4.5
5	36	18	1 1/8	3/8	1/2	9	10	3 3/4	4 1/4	14 3/8	12	12 1/8	14	14 1/8	13			1 1/2									4.5

STANDARD SIGNS
M3-1 thur M3-4
SERIES

WISCONSIN DEPT OF TRANSPORTATION

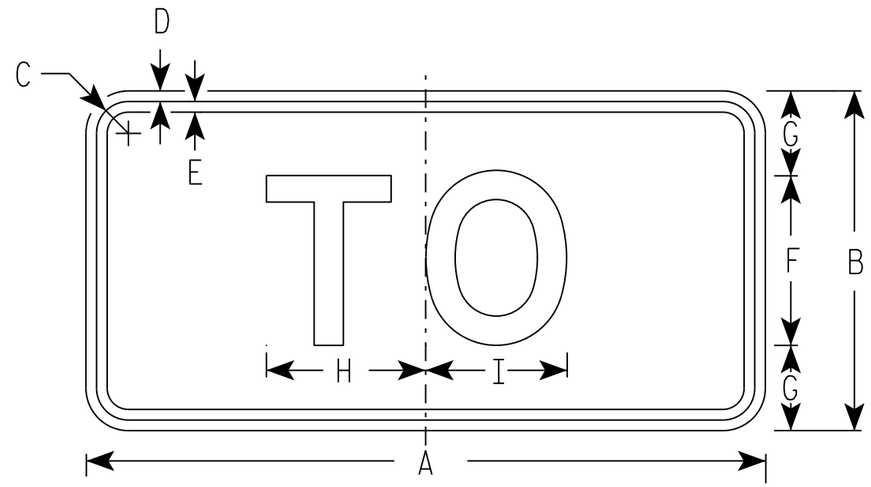
APPROVED Matthew P Rauch for State Traffic Engineer

DATE 10/15/15 PLATE NO M3-1.14

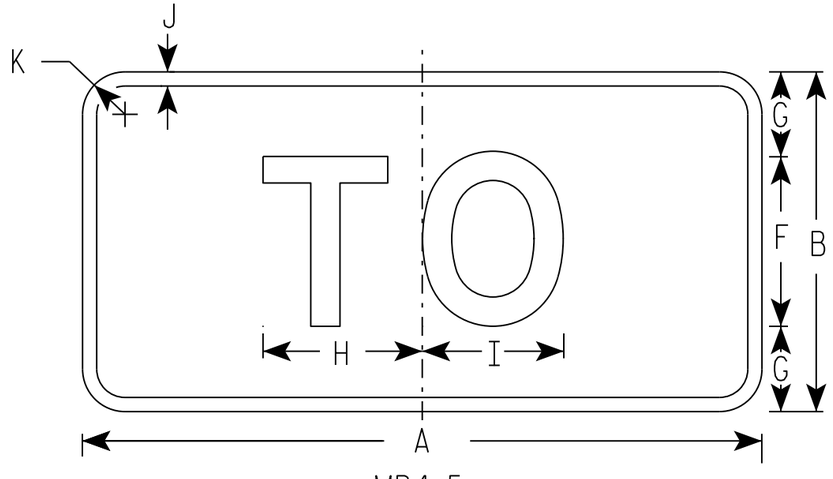
PROJECT NO: | HWY: | COUNTY: | SHEET NO: E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\M31.DGN PLOT DATE : 01-DEC-2015 17:54 PLOT BY : $$ plotuser $$ PLOT NAME : PLOT SCALE : 11.675051:1.000000

7



M4-5
MM4-5
MP4-5



MB4-5
MK4-5
MN4-5

NOTES

1. Sign is Type II - Type H
2. Color:
   Background - See note 5
   Message - See note 5
3. Message Series - E
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. M4-5 Background - White
   Message - Black

   MB4-5 Background - Blue
   Message - White

   MK4-5 Background - Green
   Message - White

   MM4-5 Background - White
   Message - Green

   MN4-5 Background - Brown
   Message - White

   MP4-5 Background - White
   Message - Blue

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	24	12	1 1/8	3/8	3/8	6	3	5 3/8	5 1/4	1/2	1 1/2																2.00
3	36	18	1 3/8	3/8	1/2	9	4 1/2	8 1/4	8 3/8	1/2	1 1/2																4.5
4	36	18	1 3/8	3/8	1/2	9	4 1/2	8 1/4	8 3/8	1/2	1 1/2																4.5
5	36	18	1 3/8	3/8	1/2	9	4 1/2	8 1/4	8 3/8	1/2	1 1/2																4.5

STANDARD SIGN
M4-5

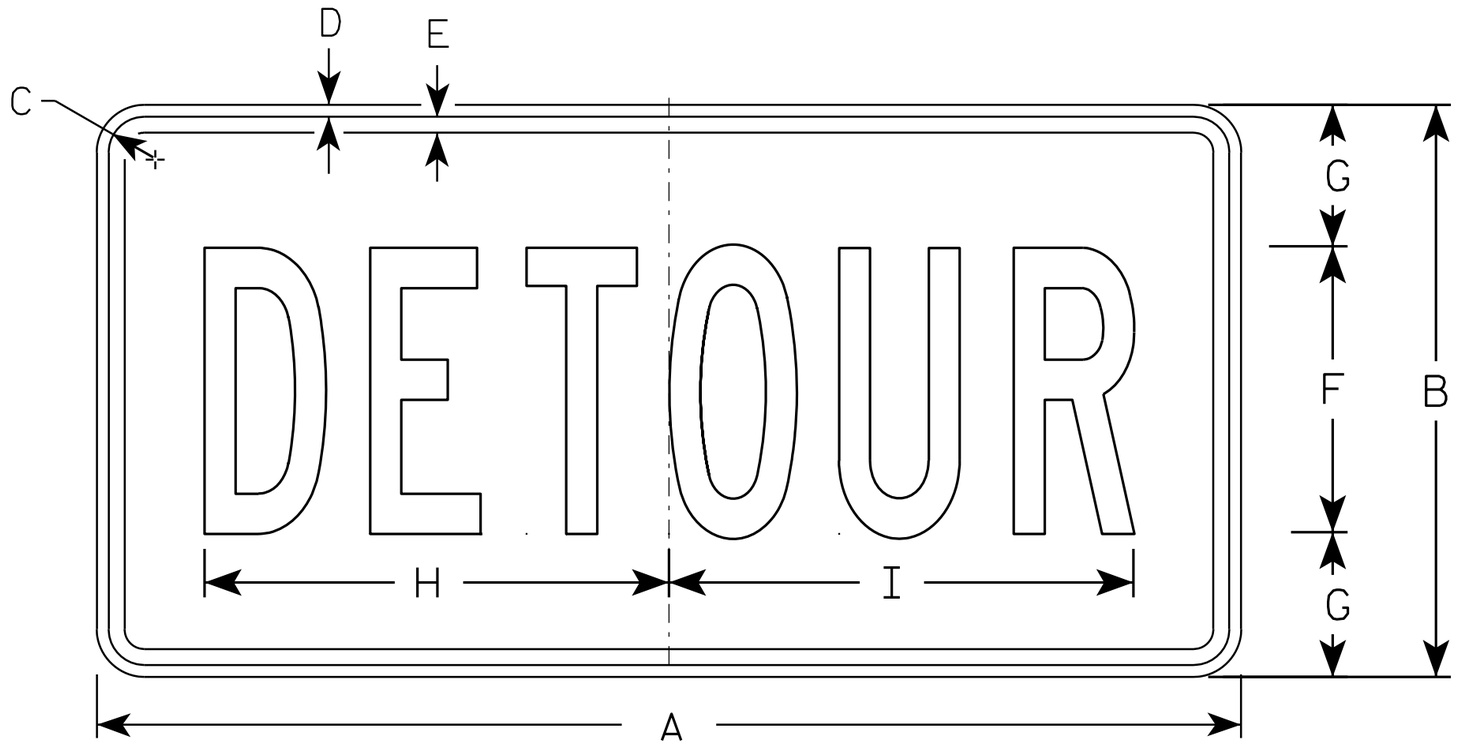
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 10/15/15 PLATE 121 M4-5.8

PROJECT NO: | HWY: | COUNTY: | SHEET NO: E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\M45.DGN PLOT DATE : 01-DEC-2015 17:55 PLOT BY : $$ plotuser $$ PLOT NAME : PLOT SCALE : 5.351066:1.000000



M4-8

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Message Series - B
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	24	12	1 1/8	3/8	3/8	6	3	10	10 1/4																		2.0
3	36	18	1 1/8	3/8	1/2	9	4 1/2	14 5/8	14 1/2																		4.5
4																											
5																											

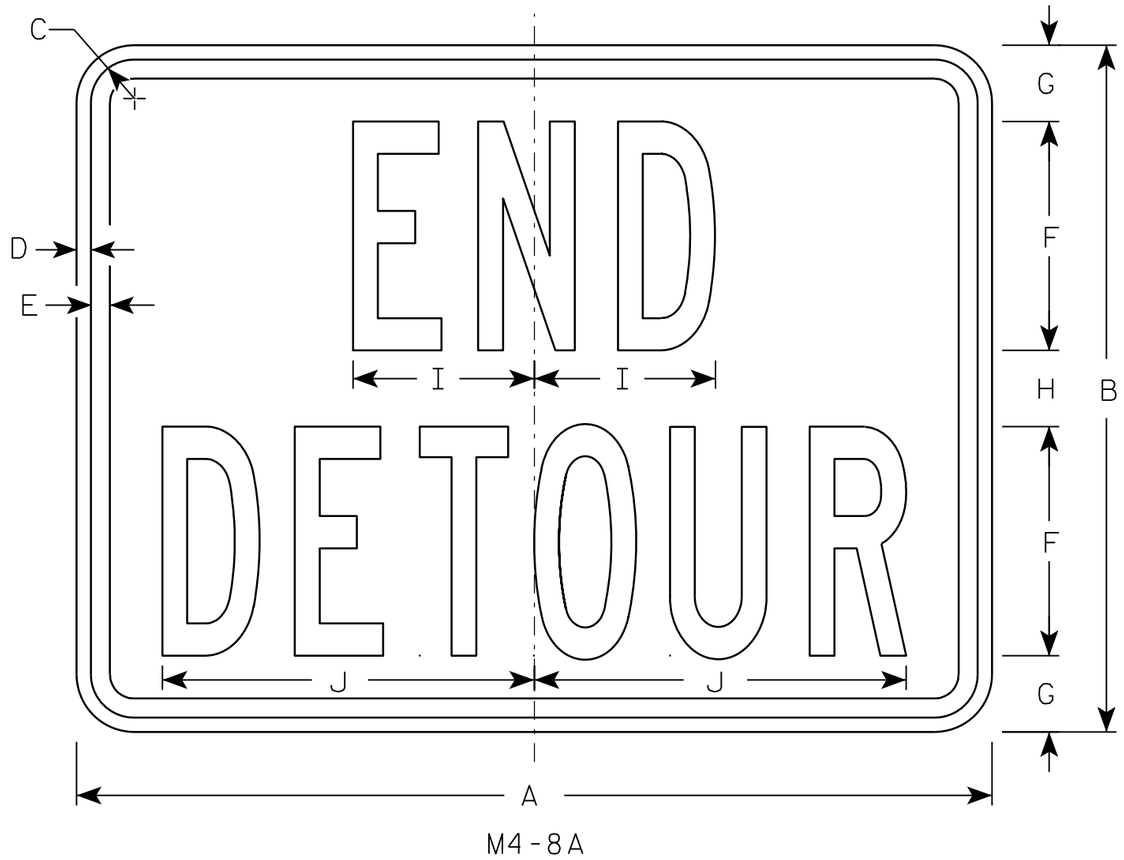
STANDARD SIGN
M4-8

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/10/10 PLATE NO. M4-8.2

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 122	E



M4-8A

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Message Series - B
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	24	18	1 1/8	3/8	1/2	6	2	2	4 3/4	9 3/4																	3.0
3	30	24	1 1/8	3/8	1/2	8	2 1/2	3	6 3/4	13																	5.0
4																											
5																											

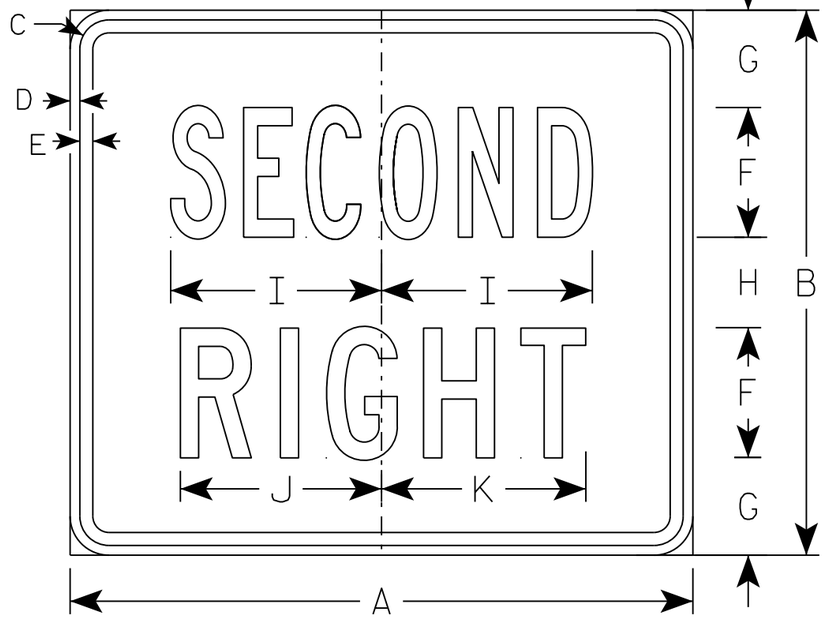
STANDARD SIGN
M4-8A

WISCONSIN DEPT OF TRANSPORTATION

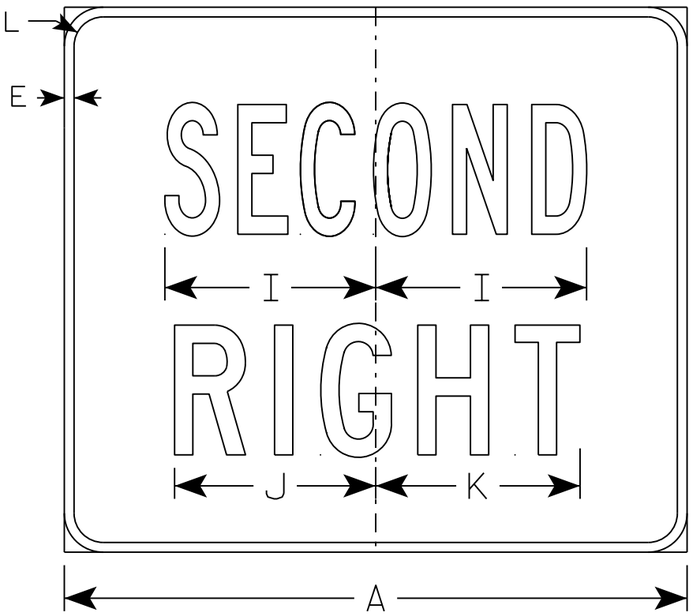
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/9/11 PLATE NO. M4-8A.2

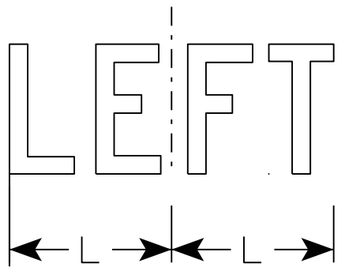
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 123	E



M4-22R
MM4-22R
M04-22R
MP4-22R



MB4-22R
MK4-22R
MN4-22R
MR4-22R



M4-22L
MB4-22L
MK4-22L
MM4-22L
MN4-22L
M04-22L
MP4-22L
MR4-22L

NOTES

1. Sign is Type II - Type H except as Shown
2. Color:
   Background - See note 5
   Message - See note 5
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. M4-22 Background - White
   Message - Black
   MB4-22 Background - Blue
   Message - White
   MK4-22 Background - Green
   Message - White
   MM4-22 Background - White
   Message - Green
   MN4-22 Background - Brown
   Message - White
   M04-22 Background - Orange - Type F Reflective
   Message - Black
   MP4-22 Background - White
   Message - Blue
   MR4-22 Background - Brown
   Message - Yellow

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	24	21	1 1/8	3/8	1/2	5	3 3/4	3 1/2	8 1/8	7 3/4	7 7/8	1 1/2															3.5
3	36	30	1 5/8	5/8	3/4	8	4 3/4	4 1/2	13 1/8	12 5/8	12 1/2	1 7/8															7.5
4																											
5																											

STANDARD SIGN
M4-22

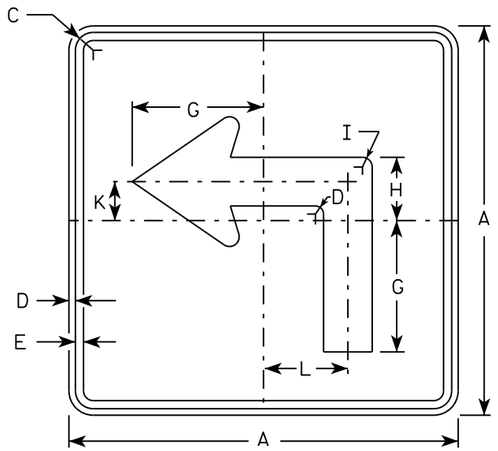
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

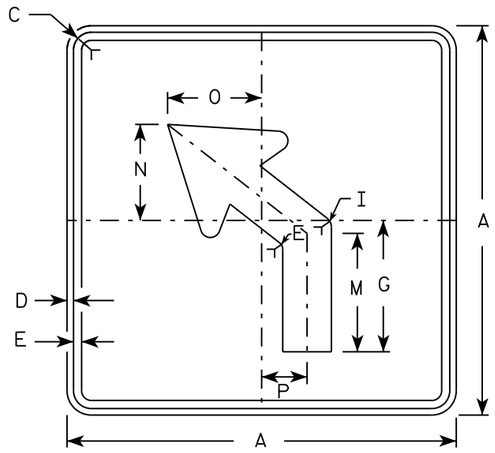
DATE 10/15/15 PLATE NO. M4-22.4

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

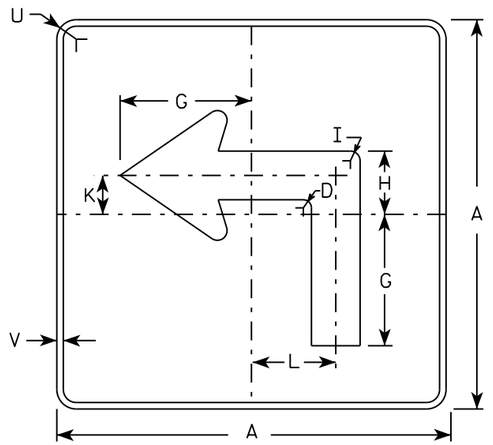
FILE NAME : C:\CAEfiles\Projects\tr_stdplate\M422.DGN PLOT DATE : 01-DEC-2015 18:04 PLOT BY : $$ plotuser $$ PLOT NAME : PLOT SCALE : 5.837526:1.000000



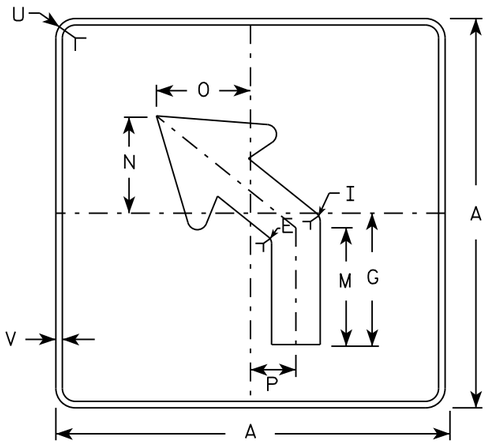
M5-1L
MM5-1L
MO5-1L
MP5-1L



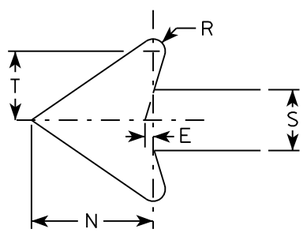
M5-2L
MM5-2L
MO5-2L
MP5-2L



MB5-1L
MK5-1L
MN5-1L
MR5-1L



MB5-2L
MK5-2L
MN5-2L
MR5-2L



NOTES

1. Signs are Type II - Type H reflective except as shown
2. Color:
   Background - See note 4
   Message - See note 4
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. M5-1 and M5-2 Background - White
   Message - Black
   MB5-1 and MB5-2 Background - Blue
   Message - White
   MK5-1 and MK5-2 Background - Green
   Message - White
   MM5-1 and MM5-2 Background - White
   Message - Green
   MN5-1 and MN5-2 Background - Brown
   Message - White
   MO5-1 and MO5-2 Background - Orange - Type F Reflective
   Message - Black
   MP5-1 and MP5-2 Background - White - Type H Reflective
   Message - Blue
   MR5-1 and MR5-2 Background - Brown
   Message - Yellow
5. M5-1R same as M5-1L except arrow points right.
6. M5-2R same as M5-2L except arrow tilts right.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	21		1 1/8	3/8	3/8		7	3 3/8	5/8		2 1/8	4 1/2	6 3/8	5 1/4	5	2 1/2		1/2	2 5/8	3	1 1/2	1/2					3.06
3	30		1 3/8	1/2	5/8		10 1/8	4 7/8	7/8		3	6 1/2	9 1/8	7 1/2	7 1/4	3 1/2		3/4	3 3/4	4 1/4	1 7/8	1/2					6.25
4	30		1 3/8	1/2	5/8		10 1/8	4 7/8	7/8		3	6 1/2	9 1/8	7 1/2	7 1/4	3 1/2		3/4	3 3/4	4 1/4	1 7/8	1/2					6.25
5	30		1 3/8	1/2	5/8		10 1/8	4 7/8	7/8		3	6 1/2	9 1/8	7 1/2	7 1/4	3 1/2		3/4	3 3/4	4 1/4	1 7/8	1/2					6.25

STANDARD SIGN
M5-1 & M5-2

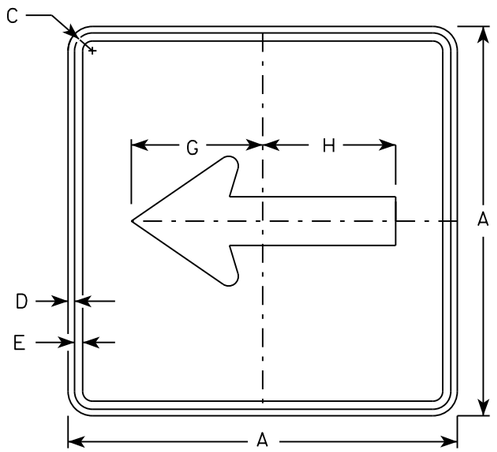
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

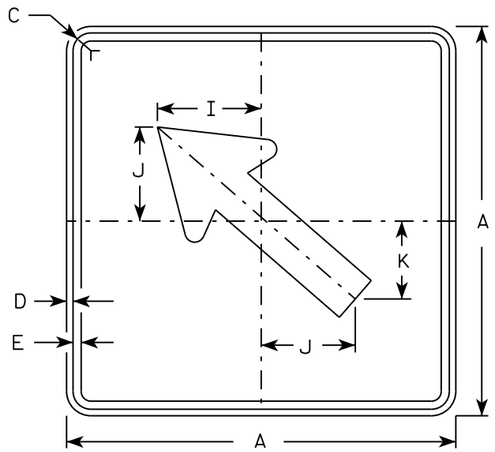
DATE 10/15/15 PLATE NO. M5-1.13

PROJECT NO: | HWY: | COUNTY: | SHEET NO: E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\M51.DGN PLOT DATE : 01-DEC-2015 18:07 PLOT BY : $$ plotuser $$ PLOT NAME : PLOT SCALE : 11.675051:1.000000



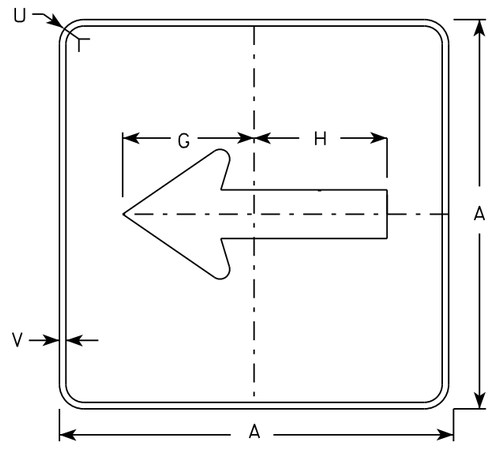
M6-1
MM6-1
MO6-1
MP6-1



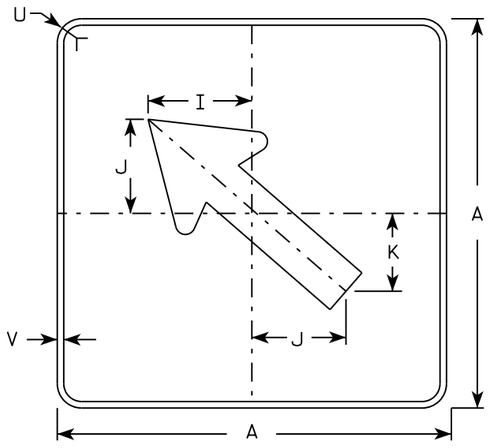
M6-2
MM6-2
MO6-2
MP6-2

NOTES

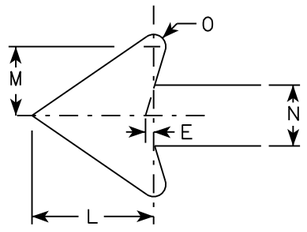
1. Signs are Type II - Type H except as Shown
2. Color:
   Background - See note 4
   Message - See note 4
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. M6-1 and M6-2 Background - White
   Message - Black
   MB6-1 and MB6-2 Background - Blue
   Message - White
   MK6-1 and MK6-2 Background - Green
   Message - White
   MM6-1 and MM6-2 Background - White
   Message - Green
   MN6-1 and MN6-2 Background - Brown
   Message - White
   MO6-1 and MO6-2 Background - Orange - Type F Reflective
   Message - Black
   MP6-1 and MP6-2 Background - White
   Message - Blue
   MR6-1 and MR6-2 Background - Brown
   Message - Yellow



MB6-1
MK6-1
MN6-1
MR6-1



MB6-2
MK6-2
MN6-2
MR6-2



SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	21		1 1/8	3/8	3/8		7 1/2	7 1/8	5 5/8	5	4 1/4	5 1/4	3	2 5/8	1/2						1 1/2	1/2						3.06
3	30		1 3/8	1/2	5/8		10 3/4	10 1/4	8	7 1/4	6	7 1/2	4 1/4	3 3/4	3/4						1 7/8	1/2						6.25
4	30		1 3/8	1/2	5/8		10 3/4	10 1/4	8	7 1/4	6	7 1/2	4 1/4	3 3/4	3/4						1 7/8	1/2						6.25
5	30		1 3/8	1/2	5/8		10 3/4	10 1/4	8	7 1/4	6	7 1/2	4 1/4	3 3/4	3/4						1 7/8	1/2						6.25

STANDARD SIGN M6-1 & M6-2 SERIES

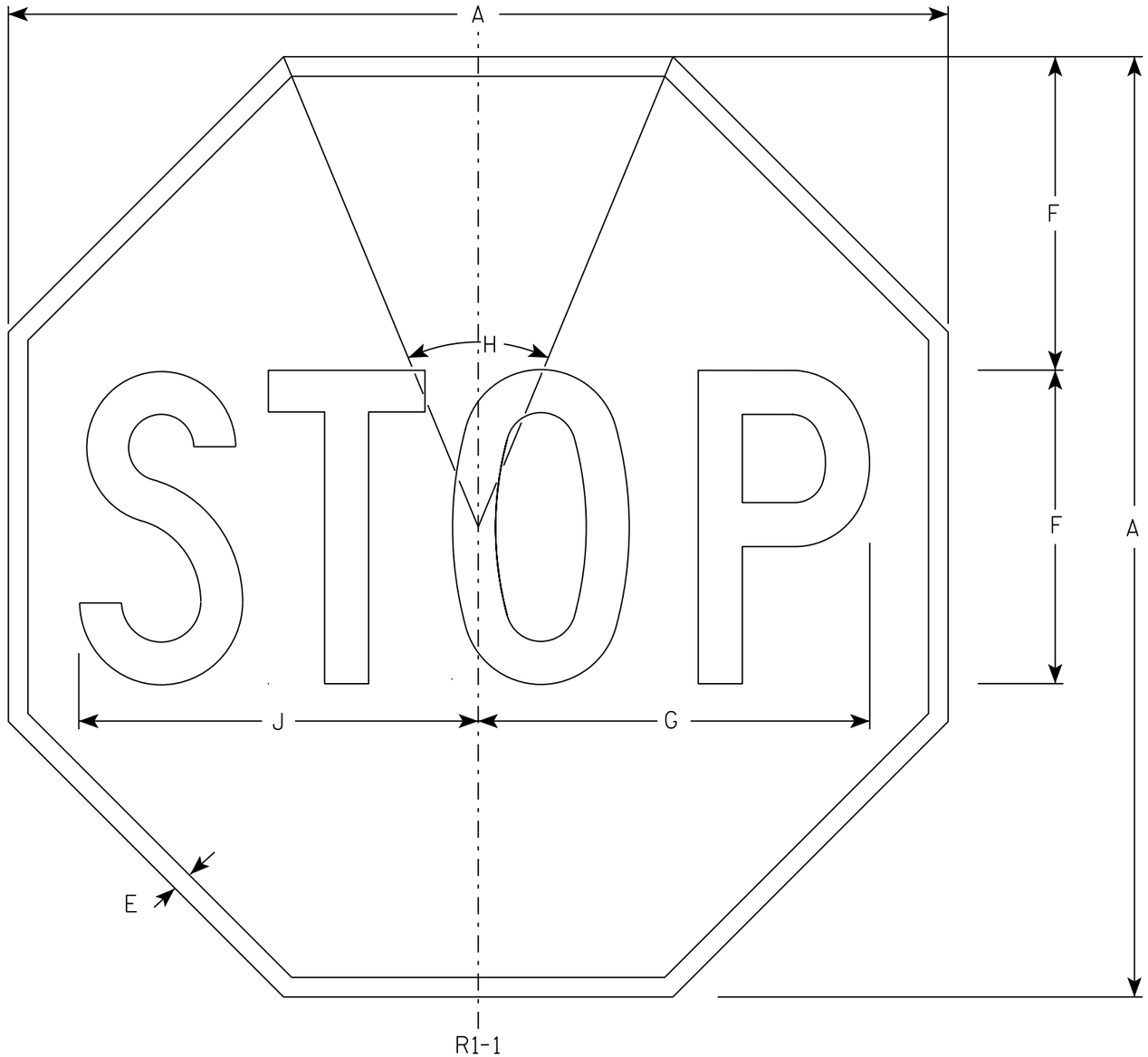
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 10/15/15 PLATE 126 M6-1.15

PROJECT NO: | HWY: | COUNTY: | SHEET NO: E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\M61.DGN PLOT DATE : 01-DEC-2015 17:57 PLOT BY : $$ plotuser $$ PLOT NAME : PLOT SCALE : 11.675051:1.000000



R1-1

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Red
   Message - White
3. Message Series - C

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	30				5/8	10	12 1/2	45°		12 3/4																	5.18
2S	30				5/8	10	12 1/2	45°		12 3/4																	5.18
2M	36				3/4	12	15	45°		15 3/8																	7.46
3	36				3/4	12	15	45°		15 3/8																	7.46
4	48				1	16	20	45°		20 1/2																	13.25
5	48				1	16	20	45°		20 1/2																	13.25
6	18				3/8	6	7 3/4	45°		7 3/4																	1.86
7	12				1/4	4	5	45°		5 1/8																	0.78

STANDARD SIGN
R1-1

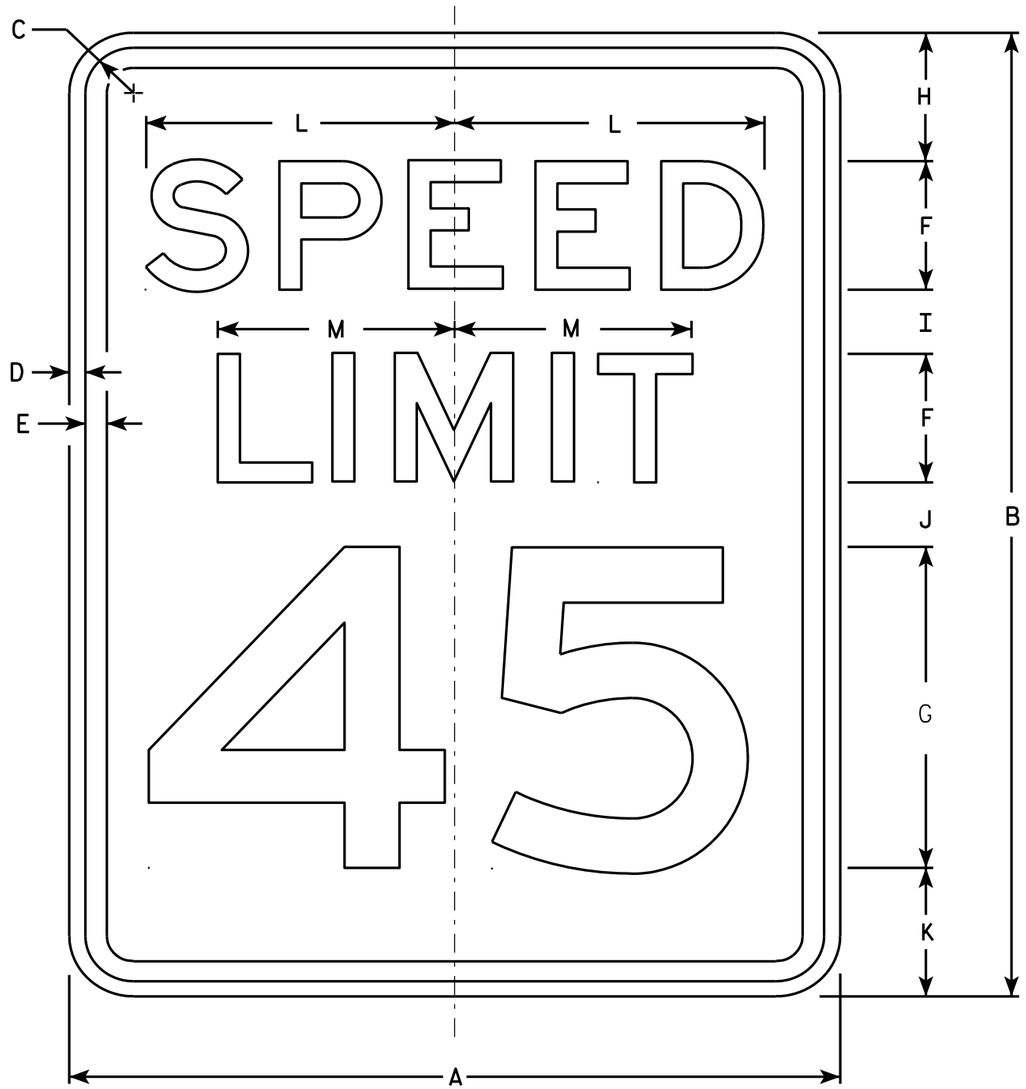
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/12/15 PLATE 127 R1-1.13

PROJECT NO:	HWY:	COUNTY:		SHEET NO: E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\R11.DGN PLOT DATE : 01-DEC-2015 18:07 PLOT BY : $$ plotuser $$ PLOT NAME : PLOT SCALE : 4.378143:1.000000



R2-1

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - E
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Substitute appropriate numerals and optically adjust spacing to achieve proper balance.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	18	24	1 1/8	3/8	1/2	3	8	3	2	2	3	7 1/4	5 1/2														3.0
2S	24	30	1 1/8	3/8	1/2	4	10	3	2 1/4	3 3/8	3 3/8	9 5/8	7 3/8														5.0
2M	30	36	1 3/8	1/2	5/8	5	12	5	2 1/2	2 1/2	4	12	9 1/4														7.5
3	36	48	1 3/8	1/2	5/8	6	14	6	5	5	6	14 3/8	11														12.0
4	36	48	1 3/8	1/2	5/8	6	14	6	5	5	6	14 3/8	11														12.0
5	48	60	2 1/4	3/4	1	8	20	6	4 1/2	6 3/4	6 3/4	19 1/4	14 5/8														20.0

STANDARD SIGN
R2-1

WISCONSIN DEPT OF TRANSPORTATION

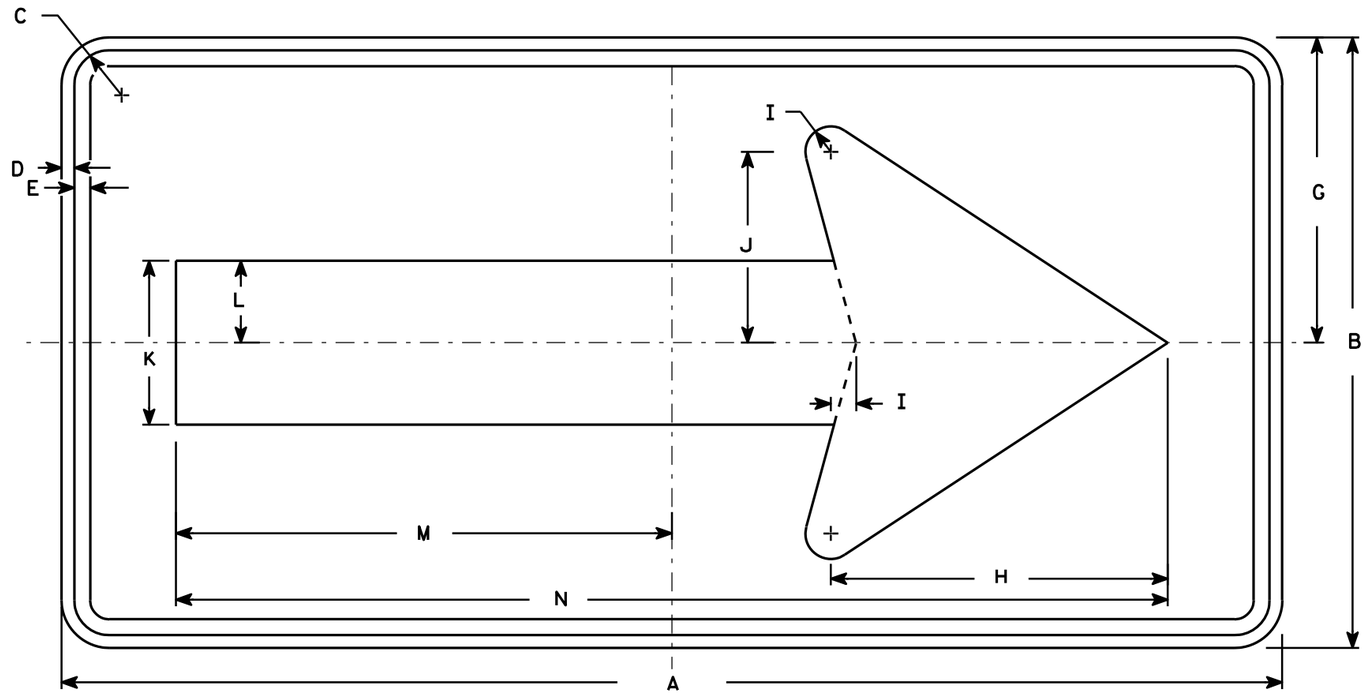
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/26/10 PLATE NO. R2-1.13

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 128 | E

FILE NAME : C:\Users\PROJECTS\tr_stdplate\R21.DGN PLOT DATE : 28-MAY-2010 08:32 PLOT BY : ditjph PLOT NAME : PLOT SCALE : 4.717577:1.000000

WISDOT/CADDS SHEET 42



W1-6

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Yellow
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36	18	1 1/8	3/8	3/8		9	10	3/4	5 5/8	4 3/4	2 3/8	14 5/8	29 1/4													4.5
2S	48	24	1 3/8	1/2	5/8		12	13 1/4	1	7 1/2	6 1/2	3 1/4	19 1/2	39													8.0
2M	48	24	1 3/8	1/2	5/8		12	13 1/4	1	7 1/2	6 1/2	3 1/4	19 1/2	39													8.0
3	60	30	1 3/8	1/2	5/8		15	16 1/4	1 1/4	9 1/4	8	4	24 3/8	48 3/4													12.5
4	60	30	1 3/8	1/2	5/8		15	16 1/4	1 1/4	9 1/4	8	4	24 3/8	48 3/4													12.5
5	96	48	2 1/4	3/4	1		24	26 1/2	2	15	13	6 1/2	39	78													32.0

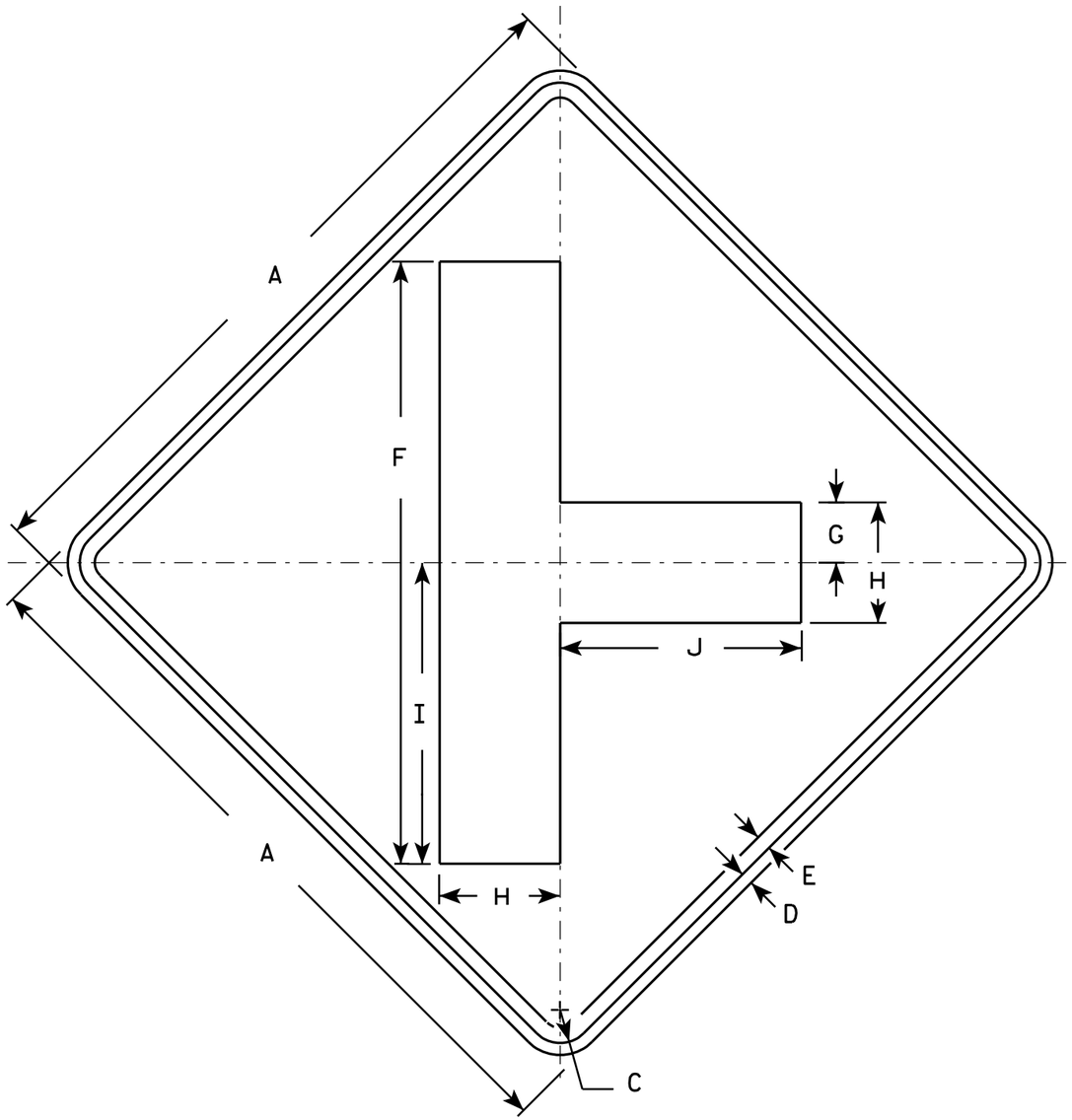
STANDARD SIGN
W1-6

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 6/7/10 PLATE NO. W1-6.8

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 129



W2-2

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Yellow
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	24		1 1/8	3/8	1/2	20	2	4	10	8																	4.0
2S	30		1 3/8	1/2	5/8	25	2 1/2	5	12 1/2	10																	6.25
2M	30		1 3/8	1/2	5/8	25	2 1/2	5	12 1/2	10																	6.25
3	36		1 5/8	5/8	3/4	30	3	6	15	12																	9.0
4	48		2 1/4	3/4	1	40	4	8	20	16																	16.0
5																											

STANDARD SIGN
W2-2

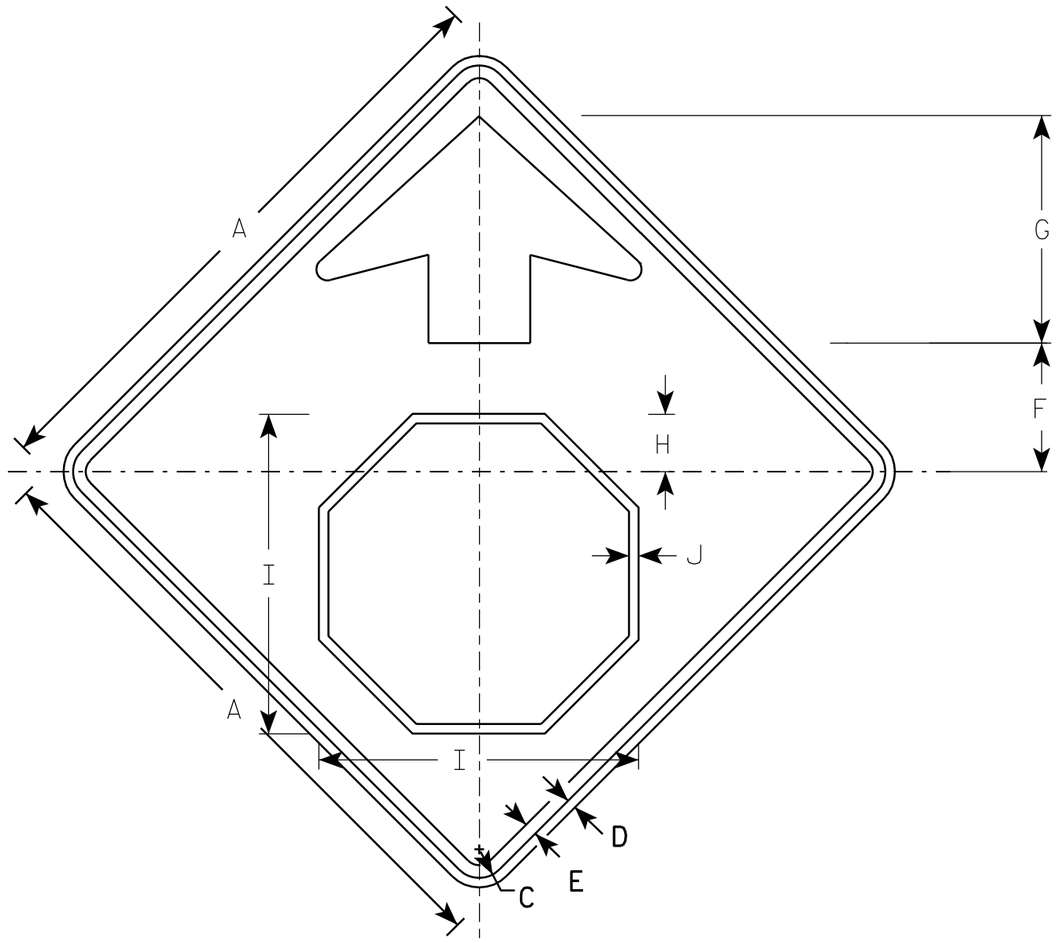
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 5/29/12 PLATE NO. W2-2.6

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 130 | E

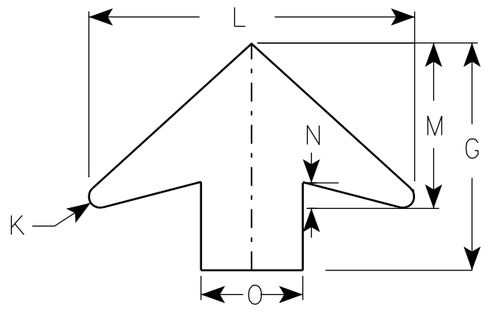
FILE NAME : C:\CAEFiles\Projects\tr_stdplate\W22.DGN PLOT DATE : 29-MAY-2012 10:18 PLOT BY : mscsja PLOT NAME : PLOT SCALE : 6.202372:1.000000
WISDOT/CADDS SHEET 42



W3-1

NOTES

1. All Signs Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - YELLOW
   Arrow & Border - BLACK
   Stop Symbol - WHITE BORDER ON RED BACKGROUND



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	30		1 3/8	1/2	5/8	6 1/4	11 1/4	2 7/8	15 3/4	1/2	1/2	16	8	1 1/4	5												6.25
2S	36		1 5/8	5/8	3/4	7 1/2	13 1/2	3 1/2	19	5/8	5/8	19 1/4	9 3/4	1 5/8	6												9.0
2M	36		1 5/8	5/8	3/4	7 1/2	13 1/2	3 1/2	19	5/8	5/8	19 1/4	9 3/4	1 5/8	6												9.0
3	36		1 5/8	5/8	3/4	7 1/2	13 1/2	3 1/2	19	5/8	5/8	19 1/4	9 3/4	1 5/8	6												9.0
4	48		2 1/4	3/4	1	10	17 7/8	4 1/2	25 1/8	3/4	7/8	25 5/8	13	2	8												16.0
5	48		2 1/4	3/4	1	10	17 7/8	4 1/2	25 1/8	3/4	7/8	25 5/8	13	2	8												16.0

STANDARD SIGN
W3-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 6/7/10 PLATE NO. W3-1.12

PROJECT NO:

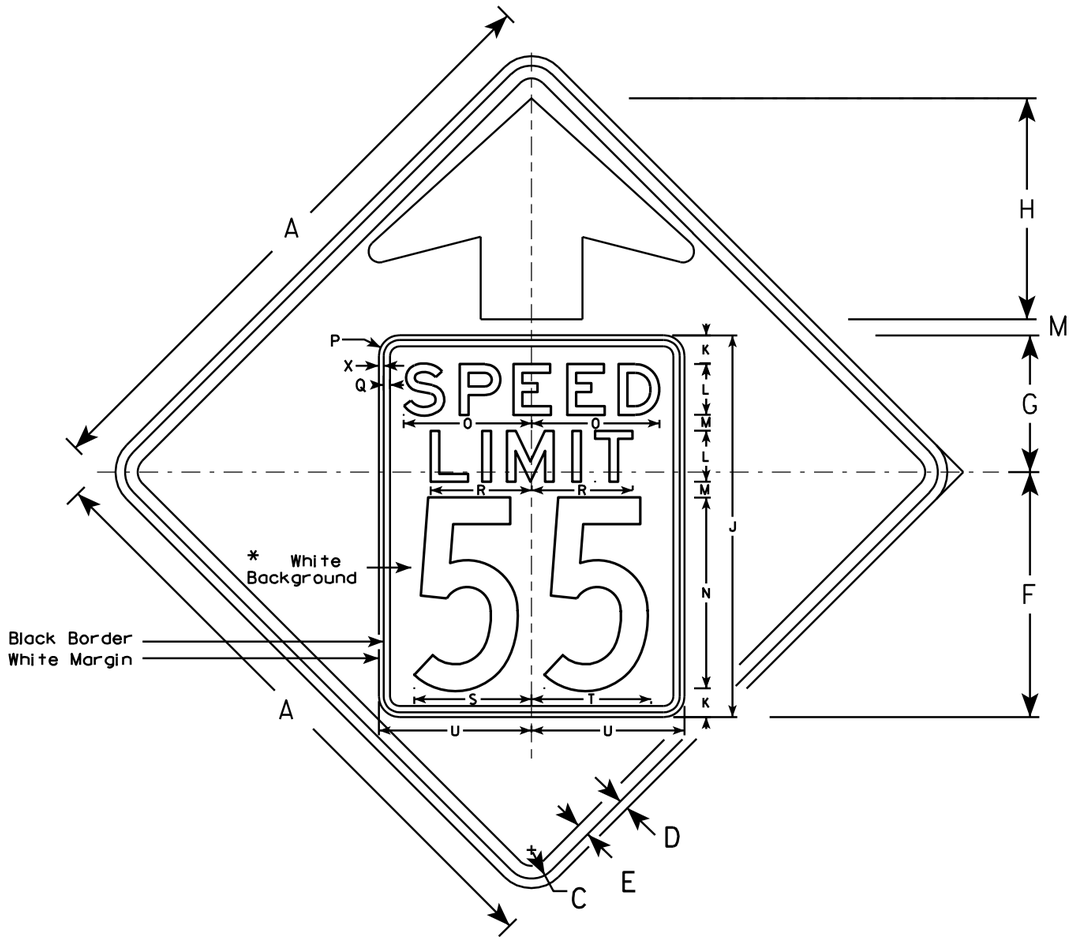
SHEET NO: 131 E

FILE NAME : C:\Users\PROJECTS\tr_stdplate\W31.DGN PLOT DATE : 07-JUN-2010 12:59 PLOT BY : ditjph

WISDOT/CADDS SHEET 42

7

7

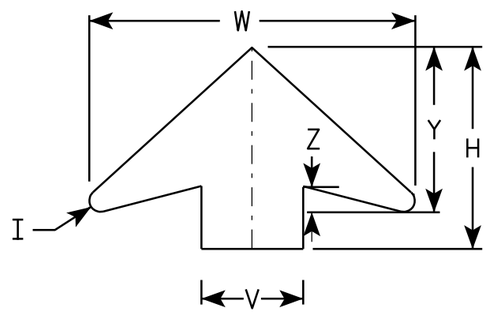


W3-5

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color: *
   Background - YELLOW*
   Message - BLACK
3. Message Series - C for numbers Series E for wording
4. Substitute appropriate numerals and optically adjust spacing to achieve proper balance

*Speed Limit Sign shall have a White Background



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	36		1 5/8	5/8	3/4	14 1/2	9 1/2	11 1/2	5/8	24	2	3	1	12	7 1/8	1 1/2	3/8	5 3/4	7 1/4	7 1/8	9	6	19 1/4	3/8	9 3/4	1 5/8	9.0
2M	36		1 5/8	5/8	3/4	14 1/2	9 1/2	11 1/2	5/8	24	2	3	1	12	7 1/8	1 1/2	3/8	5 3/4	7 1/4	7 1/8	9	6	19 1/4	3/8	9 3/4	1 5/8	9.0
3	36		1 5/8	5/8	3/4	14 1/2	9 1/2	11 1/2	5/8	24	2	3	1	12	7 1/8	1 1/2	3/8	5 3/4	7 1/4	7 1/8	9	6	19 1/4	3/8	9 3/4	1 5/8	9.0
4	48		2 1/4	3/4	1	19 1/4	10 3/4	17 3/8	7/8	30	2 1/4	4	1 1/4	15	10	1 5/8	1/2	8	9 1/4	9 3/8	12	8	25 5/8	3/8	13	2	16.0
5	48		2 1/4	3/4	1	19 1/4	10 3/4	17 3/8	7/8	30	2 1/4	4	1 1/4	15	10	1 5/8	1/2	8	9 1/4	9 3/8	12	8	25 5/8	3/8	13	2	16.0

STANDARD SIGN
W3-5

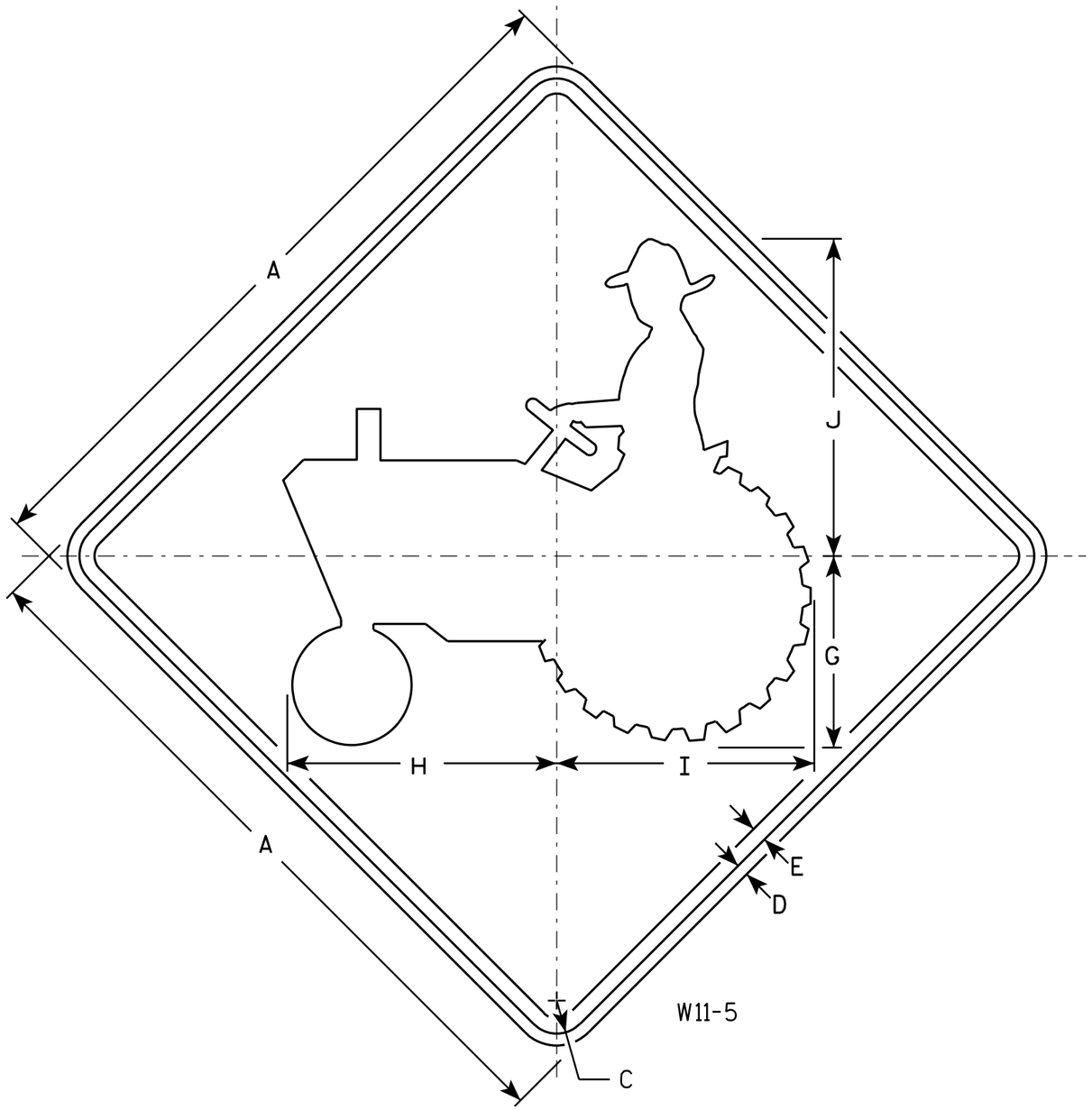
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/29/12 PLATE NO. W3-5.5

PROJECT NO:

SHEET NO: 132 E



NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Yellow
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	24		1 1/8	3/8	1/2		6 3/8	9	8 5/8	10 5/8																	4.0
2S	30		1 3/8	1/2	5/8		8	11 1/4	10 3/4	13 1/4																	6.25
2M	30		1 3/8	1/2	5/8		8	11 1/4	10 3/4	13 1/4																	6.25
3																											
4	36		1 5/8	5/8	3/4		9 5/8	13 1/2	12 7/8	16																	9.0
5	48		2 1/4	3/4	1		12 3/4	18	17 1/4	21 1/8																	16.0

STANDARD SIGN
W11-5

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch for State Traffic Engineer

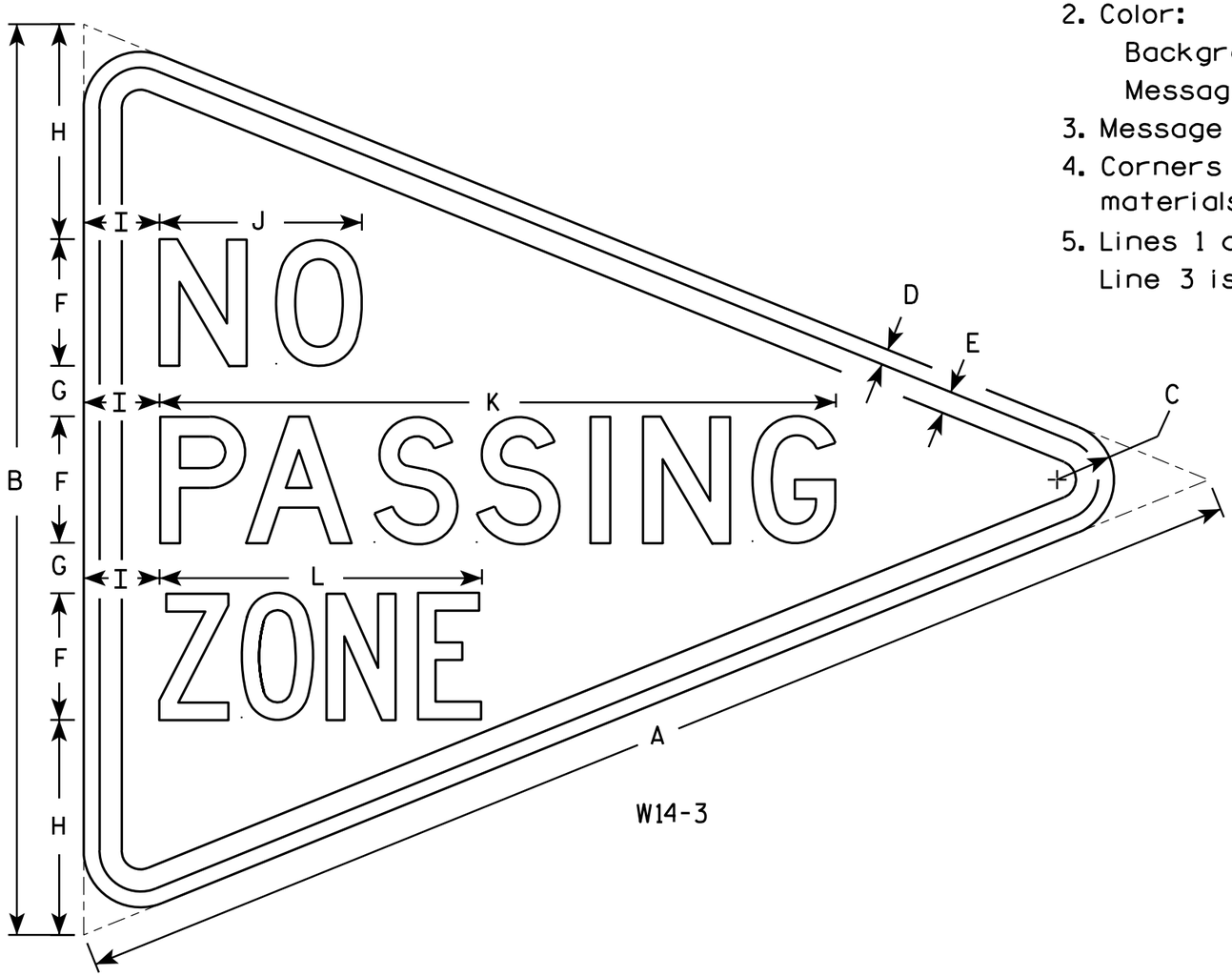
DATE 3/13/13 PLATE NO. W11-5.6

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 133 | E

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\W115.DGN PLOT DATE : 13-MAR-2013 12:53 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 5.706180:1.000000
WISDOT/CADDS SHEET 42

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Yellow
   Message - Black
3. Message Series - See note 5
4. Corners and borders shall be rounded on all base materials for this sign.
5. Lines 1 and 2 are Series D.
   Line 3 is series C.



W14-3

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	48	36	2 1/4	5/8	7/8	5	2	8 1/2	3	8	26 3/4	12 3/4															6.0
2M	48	36	2 1/4	5/8	7/8	5	2	8 1/2	3	8	26 3/4	12 3/4															6.0
3	64	48	3	3/4	1 1/4	6	3	12	4	10 3/4	33 5/8	16 1/2															10.7
4																											
5																											

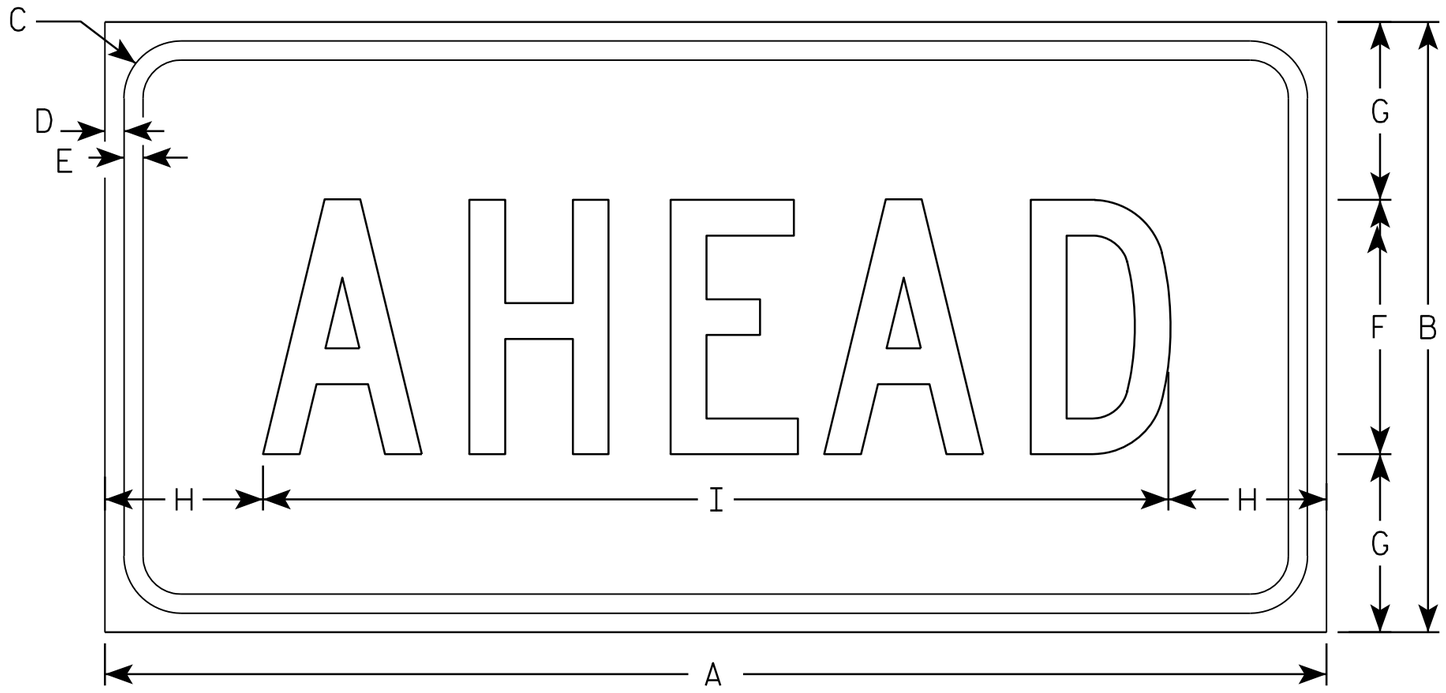
STANDARD SIGN
W14-3

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 6/7/10 PLATE NO. W14-3.9

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 134	E



W16-9P

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Yellow
   Message - Black
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24	12	1 1/8	3/8	3/8	5	3 1/2	3 1/8	17 3/4																		2.0
2M	30	18	1 1/8	3/8	1/2	7	5 1/2	2 3/4	24 1/2																		3.75
3	30	18	1 1/8	3/8	1/2	7	3 1/2	2 3/4	24 1/2																		3.75
4	48	24	1 3/8	1/2	5/8	10	7	6 1/8	35 3/4																		8.0
5																											

STANDARD SIGN
W16-9P

WISCONSIN DEPT OF TRANSPORTATION

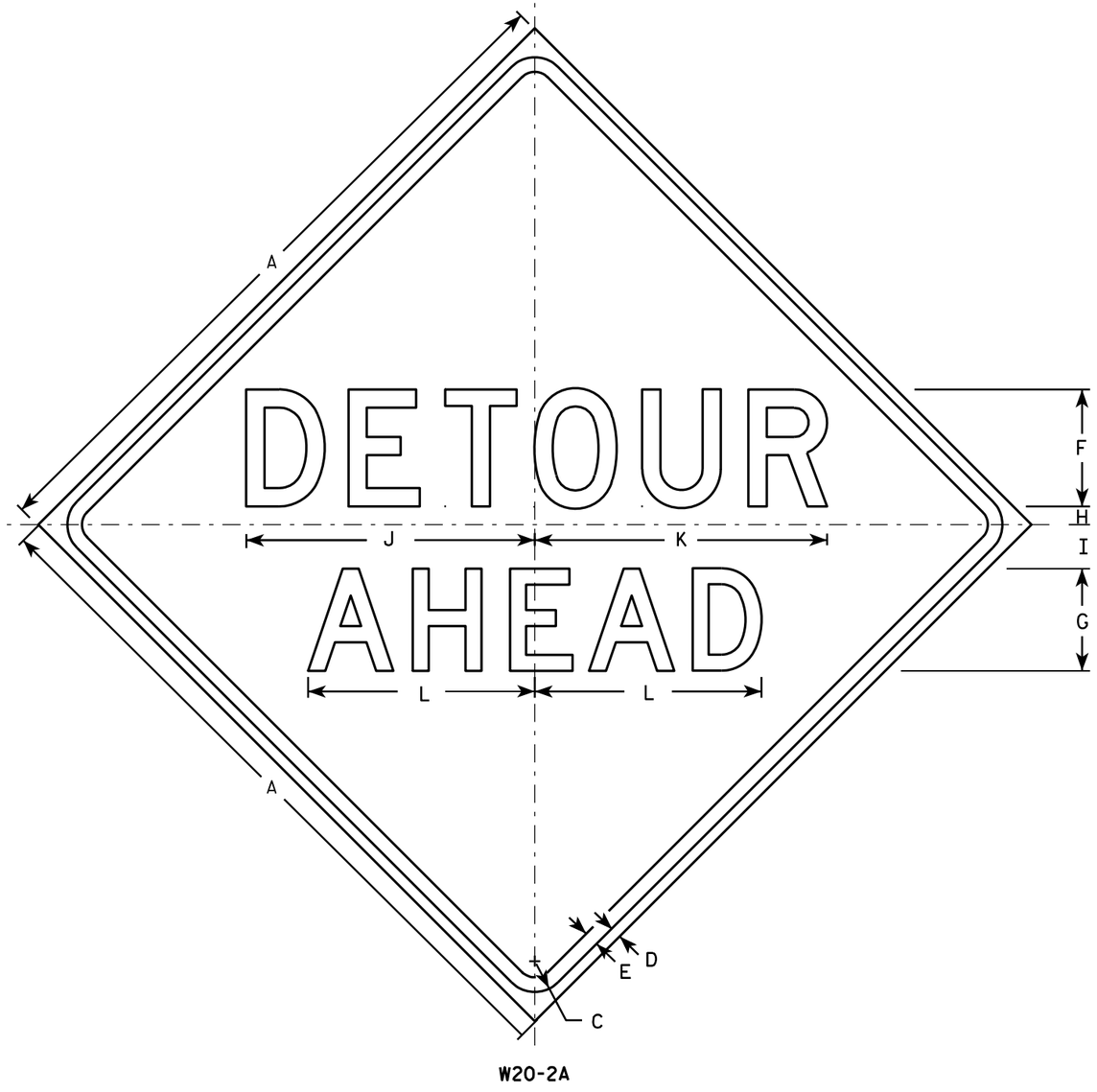
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/28/10 PLATE NO. W16-9P.6

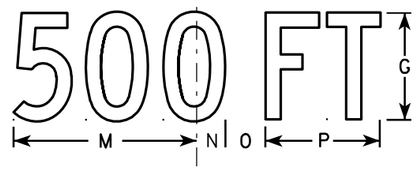
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 135 | E

7

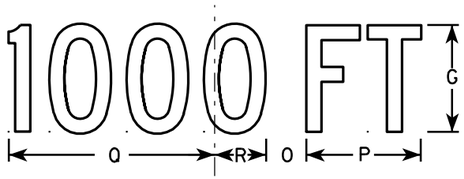
FILE NAME : C:\Users\PROJECTS\tr_stdplate\W169P.DGN PLOT DATE : 28-DEC-2010 13:39 PLOT BY : dotsja PLOT NAME : PLOT SCALE : 2.979524:1.000000
WISDOT/CADDS SHEET 42



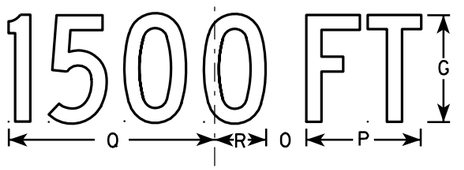
W20-2A



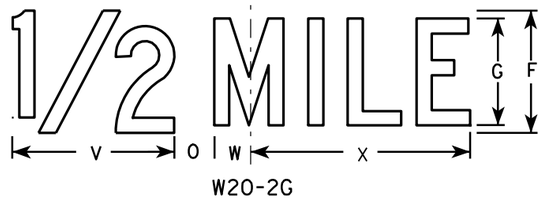
W20-2D



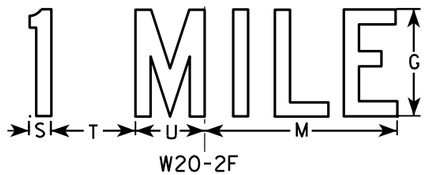
W20-2C



W20-2B



W20-2G



W20-2F

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Message Series - See note 5
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Line 1 is Series D.
   Line 2 is Series D for AHEAD and Series C for all other distances.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	O	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		1 5/8	5/8	3/4	6	5	1	2 1/4	14 3/4	15	11 5/8	9	1 3/8	1 7/8	5 5/8	10 1/8	2 1/2	1 1/8	4 1/2	3 1/2	8	1 3/4	10 3/4			9.0
2S	48		2 1/4	3/4	1	8	7	1 1/4	3	19 3/4	20	15 1/2	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	10 5/8	2 3/8	14 3/8			16.0
2M	48		2 1/4	3/4	1	8	7	1 1/4	3	19 3/4	20	15 1/2	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	10 5/8	2 3/8	14 3/8			16.0
3	48		2 1/4	3/4	1	8	7	1 1/4	3	19 3/4	20	15 1/2	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	10 5/8	2 3/8	14 3/8			16.0
4	48		2 1/4	3/4	1	8	7	1 1/4	3	19 3/4	20	15 1/2	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	10 5/8	2 3/8	14 3/8			16.0
5	48		2 1/4	3/4	1	8	7	1 1/4	3	19 3/4	20	15 1/2	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	10 5/8	2 3/8	14 3/8			16.0

STANDARD SIGN
W20-2A,B,C,D,F & G

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/18/11 PLATE NO. W20-2.6

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 136	E

STH 134 SOUTH RESURFACING

STA. 101+00 - STA. 148+40

STATION	CUT AREA SF	CUT VOLUME CY	REUSABLE VOLUME CY	FILL AREA SF	FILL VOLUME CY	CUMMULATIVE CUT VOLUME CY	CUMMULATIVE REUSABLE VOLUME CY	CUMMULATIVE FILL VOLUME CY	CUMMULATIVE NET VOLUME CY
101+00.000	24.75	0.00	0.00	0.36	0.00	0.00	0.00	0.00	0.00
102+00.000	25.26	92.62	92.62	0.00	0.67	92.62	92.62	0.67	91.95
103+00.000	14.89	74.30	74.30	0.02	0.04	166.92	166.92	0.71	166.21
104+00.000	15.49	54.92	54.92	0.00	0.04	221.84	221.84	0.75	221.10
105+00.000	23.18	70.61	70.61	0.00	0.00	292.45	292.45	0.75	291.71
106+00.000	20.29	78.69	78.69	1.96	3.74	371.14	371.14	4.49	366.65
107+00.000	29.25	91.75	91.75	0.19	3.99	462.89	462.89	8.48	454.41
108+00.000	29.65	109.07	109.07	0.00	0.36	571.96	571.96	8.83	563.13
108+30.000	23.27	29.40	29.40	0.92	0.51	601.36	601.36	9.35	592.02
109+00.000	13.86	48.12	48.12	0.74	2.15	649.49	649.49	11.50	637.99
110+00.000	12.58	48.95	48.95	4.87	10.39	698.44	698.44	21.88	676.56
111+00.000	14.77	50.65	50.65	3.61	15.71	749.09	749.09	37.59	711.50
112+00.000	17.43	59.63	59.63	9.15	23.62	808.72	808.72	61.22	747.50
113+00.000	17.67	65.00	65.00	0.09	17.10	873.71	873.71	78.32	795.39
114+00.000	28.37	85.25	85.25	16.87	31.42	958.97	958.97	109.74	849.23
115+00.000	23.26	95.61	95.61	1.01	33.12	1054.58	1054.58	142.86	911.72
116+00.000	20.74	81.49	81.49	0.78	3.32	1136.07	1136.07	146.18	989.90
117+00.000	21.11	77.51	77.51	0.33	2.06	1213.58	1213.58	148.24	1065.34
118+00.000	11.39	60.19	60.19	4.87	9.64	1273.78	1273.78	157.88	1115.90
119+00.000	12.57	44.38	44.38	2.31	13.30	1318.16	1318.16	171.18	1146.98
120+00.000	14.05	49.30	49.30	3.49	10.75	1367.46	1367.46	181.93	1185.53
121+00.000	14.38	52.65	52.65	0.78	7.92	1420.11	1420.11	189.84	1230.26
122+00.000	10.55	46.17	46.17	7.78	15.86	1466.27	1466.27	205.70	1260.57
122+26.000	11.72	10.72	10.72	13.61	10.30	1476.99	1476.99	216.00	1260.99
123+00.000	19.46	42.72	42.72	4.93	25.40	1519.71	1519.71	241.40	1278.31
123+90.000	14.06	55.86	55.86	0.22	8.57	1575.57	1575.57	249.97	1325.60
124+00.000	20.40	6.38	6.38	0.00	0.04	1581.95	1581.95	250.01	1331.94
125+00.000	13.93	63.58	63.58	0.00	0.00	1645.53	1645.53	250.01	1395.52
125+10.000	13.70	5.12	5.12	0.16	0.03	1650.65	1650.65	250.04	1400.61
126+00.000	23.34	61.74	61.74	0.00	0.27	1712.38	1712.38	250.31	1462.07
126+40.000	16.84	29.76	29.76	0.37	0.28	1742.15	1742.15	250.59	1491.56
127+00.000	19.53	40.41	40.41	0.00	0.42	1782.56	1782.56	251.01	1531.55
128+00.000	27.30	86.72	86.72	0.00	0.01	1869.28	1869.28	251.02	1618.26
129+00.000	32.54	110.81	110.81	0.00	0.00	1980.09	1980.09	251.02	1729.07
130+00.000	20.80	98.78	98.78	0.00	0.00	2078.87	2078.87	251.02	1827.85
131+00.000	15.96	68.07	68.07	0.00	0.00	2146.94	2146.94	251.02	1895.92
132+00.000	22.67	71.54	71.54	0.00	0.00	2218.48	2218.48	251.02	1967.46
133+00.000	25.22	88.69	88.69	0.00	0.00	2307.17	2307.17	251.02	2056.14
134+00.000	20.32	84.32	84.32	0.00	0.01	2391.49	2391.49	251.04	2140.45
135+00.000	21.25	76.97	76.97	0.00	0.01	2468.46	2468.46	251.05	2217.41
136+00.000	12.14	61.84	61.84	0.00	0.01	2530.29	2530.29	251.06	2279.23
137+00.000	10.89	42.66	42.66	1.01	1.88	2572.95	2572.95	252.94	2320.01
138+00.000	14.28	46.62	46.62	1.01	3.75	2619.57	2619.57	256.69	2362.88
139+00.000	15.27	54.73	54.73	0.00	1.89	2674.30	2674.30	258.58	2415.73
140+00.000	13.15	52.64	52.64	0.42	0.79	2726.95	2726.95	259.36	2467.58
141+00.000	11.10	44.92	44.92	0.32	1.37	2771.87	2771.87	260.73	2511.14
142+00.000	15.14	48.61	48.61	0.27	1.08	2820.48	2820.48	261.81	2558.67
142+45.000	14.46	24.67	24.67	13.88	11.79	2845.14	2845.14	273.60	2571.55
143+00.000	13.18	28.15	28.15	3.58	17.78	2873.30	2873.30	291.38	2581.92
144+00.000	11.82	46.30	46.30	3.69	13.47	2919.59	2919.59	304.84	2614.75
145+00.000	12.51	45.05	45.05	1.60	9.81	2964.65	2964.65	314.65	2649.99
146+00.000	14.75	50.48	50.48	0.12	3.19	3015.13	3015.13	317.85	2697.28
147+00.000	22.57	69.11	69.11	0.00	0.23	3084.24	3084.24	318.07	2766.17
148+00.000	18.52	76.10	76.10	1.69	3.13	3160.34	3160.34	321.20	2839.14

9

9

PROJECT NO: 3671-00-71 | HWY: STH 134 | COUNTY: DANE & JEFFERSON | EARTHWORK SUMMARY | SHEET E

FILE NAME : L:\PROJECTS\12516\DWG\36710001\SHEETSPLAN\090101_EW.DWG PLOT DATE : 12/21/2015 2:05 PM PLOT BY : MOYER, TIM PLOT NAME : _____PLOT SCALE : 1" = 20'_XREF

WISDOT/CADDS SHEET 49

STH 134 RECONSTRUCT SECTION

STA. 148+40 - STA. 192+50

STATION	CUT AREA SF	CUT VOLUME CY	REUSABLE VOLUME CY	FILL AREA SF	FILL VOLUME CY	CUMMULATIVE CUT VOLUME CY	CUMMULATIVE REUSABLE VOLUME CY	CUMMULATIVE FILL VOLUME CY	CUMMULATIVE NET VOLUME CY
148+40.100	83.74	0.00	0.00	6.38	0.00	0.00	0.00	0.00	0.00
148+64.113	79.09	72.41	72.41	6.17	5.58	72.41	72.41	5.58	66.82
149+00.000	81.10	106.46	106.46	9.65	10.52	178.87	178.87	16.10	162.76
149+15.113	77.75	44.46	44.46	11.23	5.84	223.33	223.33	21.95	201.38
149+50.000	76.74	99.61	99.61	29.27	26.81	322.93	322.93	48.76	274.17
149+66.113	79.70	46.68	46.68	34.33	18.98	369.61	369.61	67.74	301.87
150+00.000	87.88	104.73	104.73	79.14	73.95	474.34	474.34	141.69	332.65
150+87.690	187.59	440.27	440.27	22.69	172.01	914.62	914.62	313.70	600.92
151+00.000	171.91	81.95	81.95	18.43	9.37	996.57	996.57	323.08	673.50
152+00.000	103.03	498.59	498.59	8.84	52.00	1495.16	1495.16	375.08	1120.08
152+50.000	98.04	182.04	182.04	29.30	36.23	1677.20	1677.20	411.31	1265.89
153+00.000	72.42	153.83	153.83	44.76	70.34	1831.03	1831.03	481.65	1349.38
154+00.000	46.35	213.28	213.28	54.11	186.89	2044.31	2044.31	668.54	1375.77
154+28.366	38.85	43.35	43.35	53.31	57.39	2087.66	2087.66	725.92	1361.73
155+00.000	19.73	75.36	75.36	58.91	151.23	2163.02	2163.02	877.15	1285.87
155+28.000	12.21	16.08	16.08	64.13	64.65	2179.10	2179.10	941.80	1237.30
156+00.000	2.80	19.42	19.42	79.49	193.23	2198.53	2198.53	1135.03	1063.49
157+00.000	5.98	16.41	16.41	74.21	285.21	2214.94	2214.94	1420.24	794.70
158+00.000	0.00	11.38	11.38	125.25	370.04	2226.32	2226.32	1790.28	436.04
158+50.000	0.00	0.00	0.00	163.02	269.04	2226.33	2226.33	2059.32	167.01
158+90.618	0.00	0.00	0.00	157.10	244.02	2226.33	2226.33	2303.34	-77.01
159+00.000	0.03	0.00	0.00	158.50	54.83	2226.34	2226.34	2358.17	-131.83
159+41.618	4.97	3.71	3.71	149.07	240.66	2230.05	2230.05	2598.83	-368.78
159+92.618	4.53	8.97	8.97	82.99	219.17	2239.01	2239.01	2817.99	-578.98
160+00.000	4.90	1.29	1.29	75.35	21.64	2240.30	2240.30	2839.64	-599.34
160+43.618	18.38	18.81	18.81	40.43	93.52	2259.11	2259.11	2933.16	-674.05
160+94.618	27.64	43.46	43.46	36.08	72.27	2302.57	2302.57	3005.43	-702.85
161+00.000	28.22	5.57	5.57	35.87	7.17	2308.14	2308.14	3012.60	-704.46
162+00.000	60.71	164.68	164.68	17.61	99.04	2472.82	2472.82	3111.63	-638.82
163+00.000	107.79	312.03	312.03	7.73	46.93	2784.84	2784.84	3158.56	-373.72
164+00.000	133.62	447.04	447.04	3.50	20.80	3231.89	3231.89	3179.36	52.52
164+50.000	138.75	252.19	252.19	0.41	3.62	3484.08	3484.08	3182.98	301.10
165+00.000	120.39	239.95	239.95	0.20	0.56	3724.03	3724.03	3183.55	540.49
166+00.000	85.08	380.51	380.51	13.88	26.06	4104.54	4104.54	3209.61	894.93
167+00.000	90.89	325.87	325.87	9.78	43.80	4430.41	4430.41	3253.41	1177.00
168+00.000	87.21	329.82	329.82	5.19	27.71	4760.23	4760.23	3281.13	1479.10
169+00.000	74.30	299.10	299.10	17.96	42.86	5059.33	5059.33	3323.98	1735.35
169+40.000	64.41	102.75	102.75	18.57	27.05	5162.08	5162.08	3351.03	1811.05
TABLE CONTINUED TO THE RIGHT									

STATION	CUT AREA SF	CUT VOLUME CY	REUSABLE VOLUME CY	FILL AREA SF	FILL VOLUME CY	CUMMULATIVE CUT VOLUME CY	CUMMULATIVE REUSABLE VOLUME CY	CUMMULATIVE FILL VOLUME CY	CUMMULATIVE NET VOLUME CY
TABLE CONTINUED FROM THE LEFT									
169+50.000	62.76	23.55	23.55	22.28	7.56	5185.63	5185.63	3358.60	1827.03
169+65.795	64.96	37.36	37.36	27.48	14.56	5222.99	5222.99	3373.15	1849.84
170+00.000	78.16	90.66	90.66	4.14	20.03	5313.65	5313.65	3393.19	1920.46
171+00.000	112.39	352.87	352.87	0.82	9.19	5666.52	5666.52	3402.38	2264.14
172+00.000	101.41	395.92	395.92	4.36	9.60	6062.44	6062.44	3411.97	2650.46
173+00.000	98.30	369.83	369.83	4.11	15.69	6432.27	6432.27	3427.66	3004.61
174+00.000	107.98	382.01	382.01	0.82	9.12	6814.28	6814.28	3436.78	3377.49
175+00.000	80.19	348.47	348.47	7.59	15.58	7162.75	7162.75	3452.36	3710.39
176+00.000	64.32	267.61	267.61	22.50	55.72	7430.36	7430.36	3508.08	3922.27
177+00.000	116.95	335.68	335.68	3.62	48.37	7766.04	7766.04	3556.45	4209.58
178+00.000	223.32	630.13	630.13	0.00	6.71	8396.17	8396.17	3563.16	4833.01
178+56.062	241.29	482.35	482.35	0.00	0.00	8878.52	8878.52	3563.16	5315.36
179+00.000	218.58	374.18	374.18	0.00	0.00	9252.70	9252.70	3563.16	5689.54
179+07.062	214.37	56.62	56.62	0.00	0.00	9309.32	9309.32	3563.16	5746.16
179+58.062	175.93	368.62	368.62	4.79	4.52	9677.94	9677.94	3567.68	6110.26
180+00.000	166.13	265.66	265.66	9.24	10.89	9943.60	9943.60	3578.57	6365.03
180+09.062	164.52	55.49	55.49	9.66	3.17	9999.08	9999.08	3581.74	6417.34
180+60.062	128.82	276.58	276.58	182.07	181.62	10275.66	10275.66	3763.36	6512.30
180+68.000	158.06	42.17	42.17	84.14	39.13	10317.83	10317.83	3802.50	6515.34
181+00.000	163.79	189.75	189.75	37.16	73.40	10507.58	10507.58	3875.90	6631.68
182+00.000	122.56	525.51	525.51	0.00	71.49	11033.09	11033.09	3947.40	7085.70
183+00.000	122.68	450.08	450.08	7.87	14.85	11483.17	11483.17	3962.25	7520.92
184+00.000	158.25	513.26	513.26	1.12	16.96	11996.43	11996.43	3979.21	8017.22
185+00.000	265.84	775.99	775.99	0.00	2.11	12772.42	12772.42	3981.32	8791.10
186+00.000	334.06	1096.22	1096.22	0.00	0.00	13868.64	13868.64	3981.32	9887.32
187+00.000	297.66	1150.43	1150.43	1.43	2.73	15019.06	15019.06	3984.05	11035.01
187+94.729	192.03	849.02	849.02	0.00	2.59	15868.08	15868.08	3986.63	11881.45
188+00.000	172.96	35.63	35.63	0.00	0.00	15903.71	15903.71	3986.63	11917.08
188+63.101	128.96	351.02	351.02	110.86	136.40	16254.73	16254.73	4123.04	12131.69
188+84.234	138.64	104.12	104.12	149.53	107.28	16358.85	16358.85	4230.32	12128.53
189+00.000	131.16	78.77	78.77	37.40	54.57	16437.62	16437.62	4284.90	12152.73
189+08.679	161.52	47.04	47.04	22.76	9.67	16484.66	16484.66	4294.56	12190.10
189+20.202	143.77	65.14	65.14	20.09	9.14	16549.81	16549.81	4303.71	12246.10
189+92.816	106.10	335.75	335.75	20.22	55.71	16885.56	16885.56	4359.42	12526.14
190+00.000	109.89	28.73	28.73	26.41	6.20	16914.29	16914.29	4365.62	12548.67
190+84.749	105.07	337.03	337.03	0.00	42.02	17251.33	17251.33	4407.63	12843.69
191+00.000	95.66	56.69	56.69	4.81	1.36	17308.02	17308.02	4408.99	12899.02
191+45.816	86.09	154.20	154.20	1.15	5.06	17462.22	17462.22	4414.05	13048.17
192+00.000	79.63	166.28	166.28	0.00	1.15	17628.50	17628.50	4415.21	13213.30

STATE FARM ROAD

STA. 62+50 - Sta. 65+52

STATION	CUT AREA SF	CUT VOLUME CY	REUSABLE VOLUME CY	FILL AREA SF	FILL VOLUME CY	CUMMULATIVE CUT VOLUME CY	CUMMULATIVE REUSABLE VOLUME CY	CUMMULATIVE FILL VOLUME CY	CUMMULATIVE NET VOLUME CY
62+50.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
63+00.000	43.63	40.40	40.40	1.23	1.14	40.40	40.40	1.14	39.26
63+50.000	32.01	70.04	70.04	0.61	1.70	110.44	110.44	2.84	107.60
64+00.000	6.06	35.25	35.25	24.85	23.57	145.69	145.69	26.41	119.28
64+18.000	0.17	1.98	1.98	53.41	26.10	147.67	147.67	52.51	95.16
64+26.466	0.00	0.03	0.03	65.51	18.64	147.70	147.70	71.15	76.55
64+50.000	0.00	0.00	0.00	99.45	71.97	147.70	147.70	143.12	4.58
65+00.000	0.00	0.00	0.00	0.00	92.20	147.70	147.70	235.32	-87.62
65+14.056	0.00	0.00	0.00	136.59	35.56	147.70	147.70	270.88	-123.18

BRIZTKE ROAD

STA. 70+25 - STA. 73+25

STATION	CUT AREA SF	CUT VOLUME CY	REUSABLE VOLUME CY	FILL AREA SF	FILL VOLUME CY	CUMMULATIVE CUT VOLUME CY	CUMMULATIVE REUSABLE VOLUME CY	CUMMULATIVE FILL VOLUME CY	CUMMULATIVE NET VOLUME CY
70+71.161	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
70+89.785	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
71+00.000	0.94	0.20	0.20	246.97	46.49	0.20	0.20	46.49	-46.29
71+13.667	0.12	0.31	0.31	237.40	122.22	0.51	0.51	168.71	-168.21
71+50.000	0.00	0.09	0.09	185.23	285.36	0.60	0.60	454.07	-453.47
71+76.360	0.21	0.12	0.12	135.10	158.15	0.72	0.72	612.23	-611.51
72+00.000	0.26	0.23	0.23	82.96	97.22	0.95	0.95	709.45	-708.50
72+12.860	0.00	0.06	0.06	0.00	19.76	1.01	1.01	729.20	-728.19
72+49.360	13.80	9.33	9.33	20.56	13.90	10.34	10.34	743.10	-732.76
72+50.000	13.80	0.33	0.33	20.19	0.48	10.67	10.67	743.58	-732.92
72+85.860	19.97	22.43	22.43	9.64	19.81	33.09	33.09	763.39	-730.30
73+00.000	22.41	11.10	11.10	9.97	5.13	44.19	44.19	768.53	-724.34
73+25.000	0.00	10.37	10.37	0.00	4.62	54.56	54.56	773.15	-718.58

STH 134 NORTH RESURFACING

STA. 192+50 - STA. 249+00

STATION	CUT AREA SF	CUT VOLUME CY	REUSABLE VOLUME CY	FILL AREA SF	FILL VOLUME CY	CUMMULATIVE CUT VOLUME CY	CUMMULATIVE REUSABLE VOLUME CY	CUMMULATIVE FILL VOLUME CY	CUMMULATIVE NET VOLUME CY
193+00.000	13.80	0.00	0.00	0.48	0.00	0.00	0.00	0.00	0.00
194+00.000	18.17	59.22	59.22	0.00	0.88	59.22	59.22	0.88	58.34
194+40.000	15.82	25.18	25.18	0.05	0.04	84.40	84.40	0.92	83.48
195+00.000	14.37	33.55	33.55	0.00	0.06	117.94	117.94	0.98	116.97
196+00.000	13.93	52.40	52.40	0.37	0.68	170.34	170.34	1.66	168.69
197+00.000	13.83	51.40	51.40	0.30	1.25	221.75	221.75	2.90	218.84
198+00.000	12.46	48.69	48.69	0.50	1.49	270.44	270.44	4.39	266.04
199+00.000	17.00	54.56	54.56	0.14	1.18	325.00	325.00	5.57	319.43
200+00.000	21.83	71.91	71.91	0.00	0.25	396.91	396.91	5.82	391.09
201+00.000	10.51	59.89	59.89	0.26	0.48	456.81	456.81	6.30	450.51
201+75.000	12.54	32.02	32.02	0.36	0.87	488.82	488.82	7.16	481.66
202+00.000	13.20	11.92	11.92	0.00	0.17	500.74	500.74	7.33	493.41
202+40.000	12.80	19.26	19.26	0.47	0.35	520.00	520.00	7.68	512.33
203+00.000	14.92	30.80	30.80	0.00	0.52	550.80	550.80	8.20	542.60
204+00.000	23.55	71.24	71.24	0.00	0.00	622.04	622.04	8.20	613.84
204+90.000	14.35	63.18	63.18	0.00	0.00	685.22	685.22	8.20	677.02
205+00.000	14.32	5.31	5.31	0.00	0.00	690.53	690.53	8.20	682.33
206+00.000	14.93	54.18	54.18	0.00	0.00	744.70	744.70	8.20	736.50
207+00.000	12.81	51.37	51.37	0.00	0.00	796.07	796.07	8.20	787.87
208+00.000	14.29	50.18	50.18	0.00	0.00	846.25	846.25	8.20	838.05
209+00.000	13.50	51.46	51.46	0.00	0.00	897.71	897.71	8.20	889.51
210+00.000	15.81	54.28	54.28	0.00	0.00	951.99	951.99	8.20	943.79
211+00.000	12.80	52.99	52.99	0.00	0.00	1004.98	1004.98	8.20	996.78
212+00.000	13.04	47.86	47.86	0.00	0.00	1052.85	1052.85	8.21	1044.64
213+00.000	12.64	47.56	47.56	0.11	0.21	1100.41	1100.41	8.42	1091.99
214+00.000	12.42	46.40	46.40	0.09	0.37	1146.81	1146.81	8.79	1138.02
215+00.000	13.69	48.35	48.35	0.04	0.25	1195.16	1195.16	9.04	1186.12
216+00.000	16.08	55.12	55.12	0.31	0.66	1250.28	1250.28	9.70	1240.59
216+15.000	14.81	8.58	8.58	0.00	0.09	1258.86	1258.86	9.78	1249.08
216+28.586	19.73	8.69	8.69	0.00	0.00	1267.55	1267.55	9.78	1257.77
217+00.000	13.93	44.51	44.51	0.00	0.00	1312.06	1312.06	9.78	1302.27
218+00.000	12.56	49.05	49.05	0.00	0.00	1361.11	1361.11	9.78	1351.32
219+00.000	12.04	45.55	45.55	0.00	0.00	1406.66	1406.66	9.78	1396.88
220+00.000	12.82	46.03	46.03	0.00	0.00	1452.70	1452.70	9.78	1442.91
221+00.000	14.51	50.60	50.60	0.00	0.00	1503.29	1503.29	9.78	1493.51
222+00.000	13.16	51.24	51.24	0.00	0.00	1554.53	1554.53	9.78	1544.75
223+00.000	12.50	47.52	47.52	0.04	0.08	1602.05	1602.05	9.86	1592.20
TABLE CONTINUED TO THE RIGHT									

STATION	CUT AREA SF	CUT VOLUME CY	REUSABLE VOLUME CY	FILL AREA SF	FILL VOLUME CY	CUMMULATIVE CUT VOLUME CY	CUMMULATIVE REUSABLE VOLUME CY	CUMMULATIVE FILL VOLUME CY	CUMMULATIVE NET VOLUME CY
TABLE CONTINUED FROM THE LEFT									
223+83.000	15.23	42.62	42.62	0.00	0.06	1644.67	1644.67	9.92	1634.75
223+83.000	0.00	0.00	0.00	0.00	0.00	1644.67	1644.67	9.92	1634.75
224+00.000	24.17	7.61	7.61	0.00	0.00	1652.28	1652.28	9.92	1642.36
225+00.000	14.51	71.61	71.61	0.00	0.00	1723.89	1723.89	9.92	1713.97
226+00.000	20.74	65.27	65.27	0.00	0.00	1789.17	1789.17	9.92	1779.24
227+00.000	20.13	75.68	75.68	0.02	0.03	1864.85	1864.85	9.95	1854.89
228+00.000	20.24	74.75	74.75	0.02	0.08	1939.59	1939.59	10.03	1929.56
229+00.000	23.01	80.08	80.08	1.16	2.20	2019.68	2019.68	12.23	2007.45
229+50.000	12.85	33.21	33.21	0.58	1.61	2052.88	2052.88	13.85	2039.04
230+00.000	12.11	23.11	23.11	1.73	2.14	2076.00	2076.00	15.98	2060.01
231+00.000	12.22	45.05	45.05	1.47	5.91	2121.05	2121.05	21.90	2099.15
232+00.000	12.14	45.11	45.11	1.21	4.95	2166.16	2166.16	26.84	2139.32
233+00.000	14.91	50.09	50.09	0.34	2.86	2216.25	2216.25	29.70	2186.55
234+00.000	16.98	59.05	59.05	0.21	1.02	2275.30	2275.30	30.72	2244.58
235+00.000	18.85	66.34	66.34	0.31	0.97	2341.65	2341.65	31.69	2309.96
236+00.000	11.50	56.20	56.20	0.06	0.69	2397.85	2397.85	32.38	2365.47
237+00.000	13.04	45.45	45.45	0.11	0.32	2443.30	2443.30	32.70	2410.60
237+45.000	23.71	30.63	30.63	0.00	0.09	2473.92	2473.92	32.79	2441.13
237+80.000	13.72	24.26	24.26	0.04	0.03	2498.19	2498.19	32.81	2465.37
238+00.000	13.60	10.12	10.12	0.08	0.05	2508.30	2508.30	32.86	2475.44
238+40.000	15.43	21.51	21.51	0.00	0.06	2529.81	2529.81	32.92	2496.89
239+00.000	13.86	32.55	32.55	0.63	0.70	2562.36	2562.36	33.63	2528.73
240+00.000	13.48	50.62	50.62	1.22	3.43	2612.98	2612.98	37.05	2575.93
240+20.000	13.55	10.01	10.01	0.60	0.67	2622.99	2622.99	37.73	2585.27
240+60.000	13.59	20.10	20.10	0.90	1.11	2643.10	2643.10	38.84	2604.26
241+00.000	11.27	18.42	18.42	1.61	1.86	2661.51	2661.51	40.70	2620.82
242+00.000	9.10	37.72	37.72	4.33	11.01	2699.23	2699.23	51.71	2647.52
243+00.000	7.70	31.10	31.10	4.92	17.14	2730.33	2730.33	68.84	2661.49
243+40.000	8.82	12.24	12.24	3.84	6.49	2742.57	2742.57	75.33	2667.24
244+00.000	9.50	20.36	20.36	4.31	9.05	2762.93	2762.93	84.38	2678.55
245+00.000	10.56	37.15	37.15	3.72	14.87	2800.09	2800.09	99.25	2700.84
245+80.000	11.68	32.95	32.95	2.52	9.24	2833.04	2833.04	108.49	2724.55
246+00.000	17.28	10.73	10.73	1.07	1.33	2843.77	2843.77	109.81	2733.95
246+70.000	18.07	45.82	45.82	0.00	1.38	2889.59	2889.59	111.20	2778.39
247+00.000	18.05	20.06	20.06	0.47	0.26	2909.65	2909.65	111.46	2798.19
248+00.000	18.41	67.52	67.52	0.80	2.34	2977.17	2977.17	113.79	2863.37
249+00.000	33.78	96.64	96.64	0.00	1.48	3073.81	3073.81	115.27	2958.54

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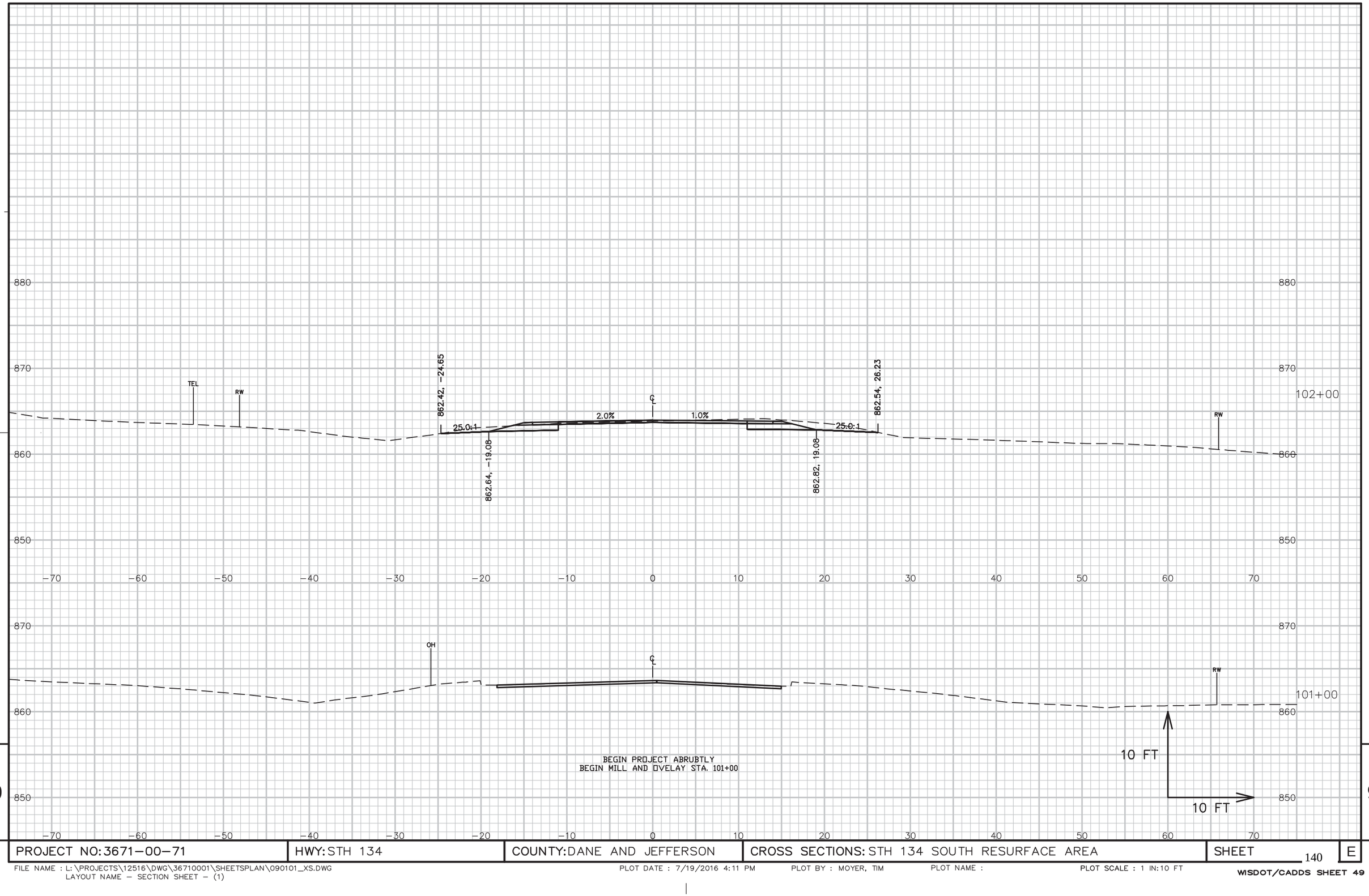
PROJECT NO: 3671-00-71	HWY: STH 134	COUNTY: DANE & JEFFERSON	EARTHWORK SUMMARY	SHEET 139 E

FILE NAME : L:\PROJECTS\12516\DWG\36710001\SHEETSPLAN\090101_EW.DWG PLOT DATE : 12/21/2015 2:05 PM PLOT BY : MOYER, TIM PLOT NAME : _____PLOT SCALE : 1" = 20'_XREF

WISDOT/CADDS SHEET 49

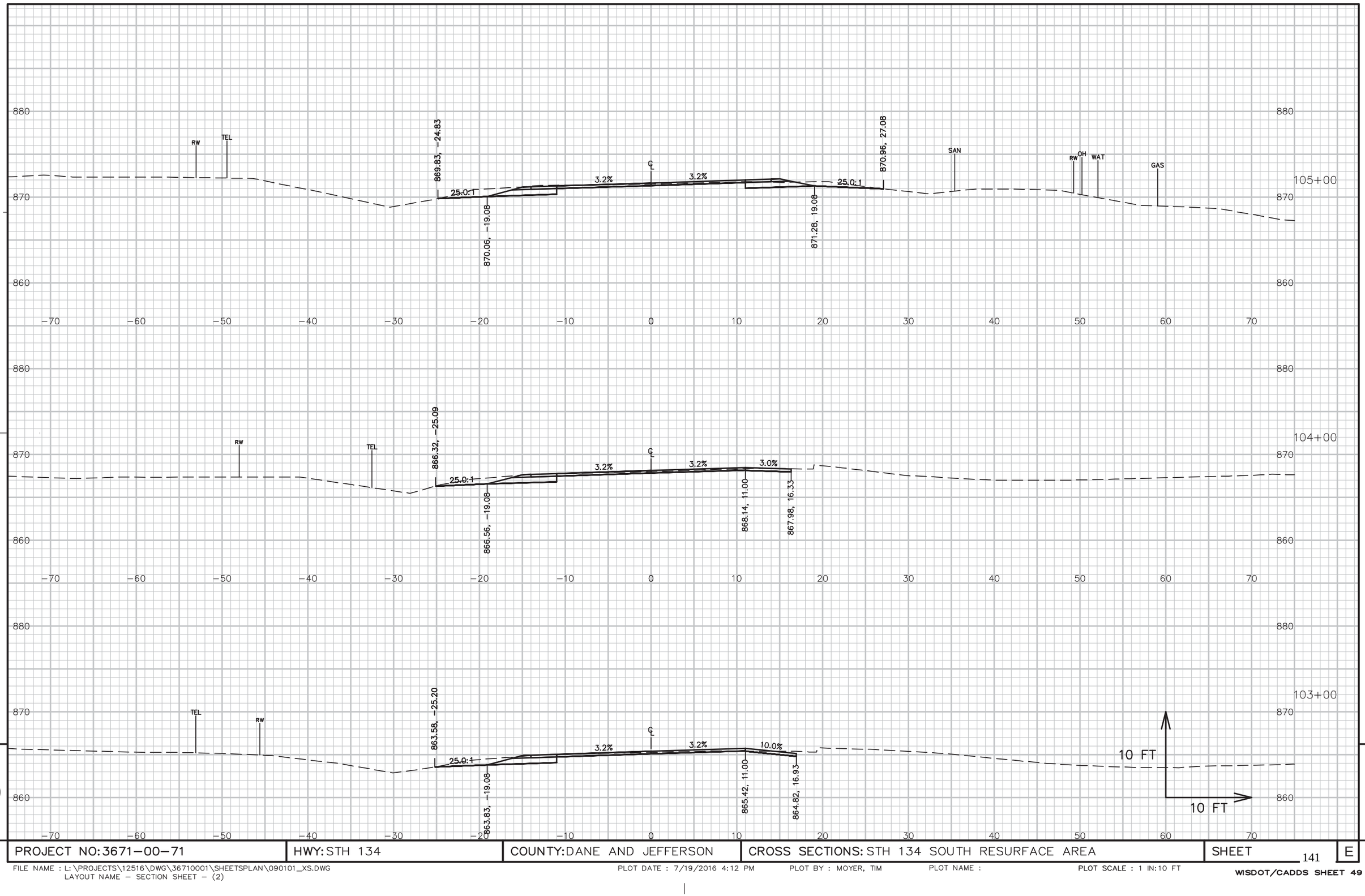


PROJECT NO: 3671−00−71	HWY: STH 134	COUNTY: DANE AND JEFFERSON	CROSS SECTIONS: STH 134 SOUTH RESURFACE AREA	SHEET 140	E

FILE NAME : L:\PROJECTS\12516\DWG\36710001\SHEETSPLAN\090101_XS.DWG
LAYOUT NAME − SECTION SHEET − (1)

PLOT DATE : 7/19/2016 4:11 PM PLOT BY : MOYER, TIM PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



9

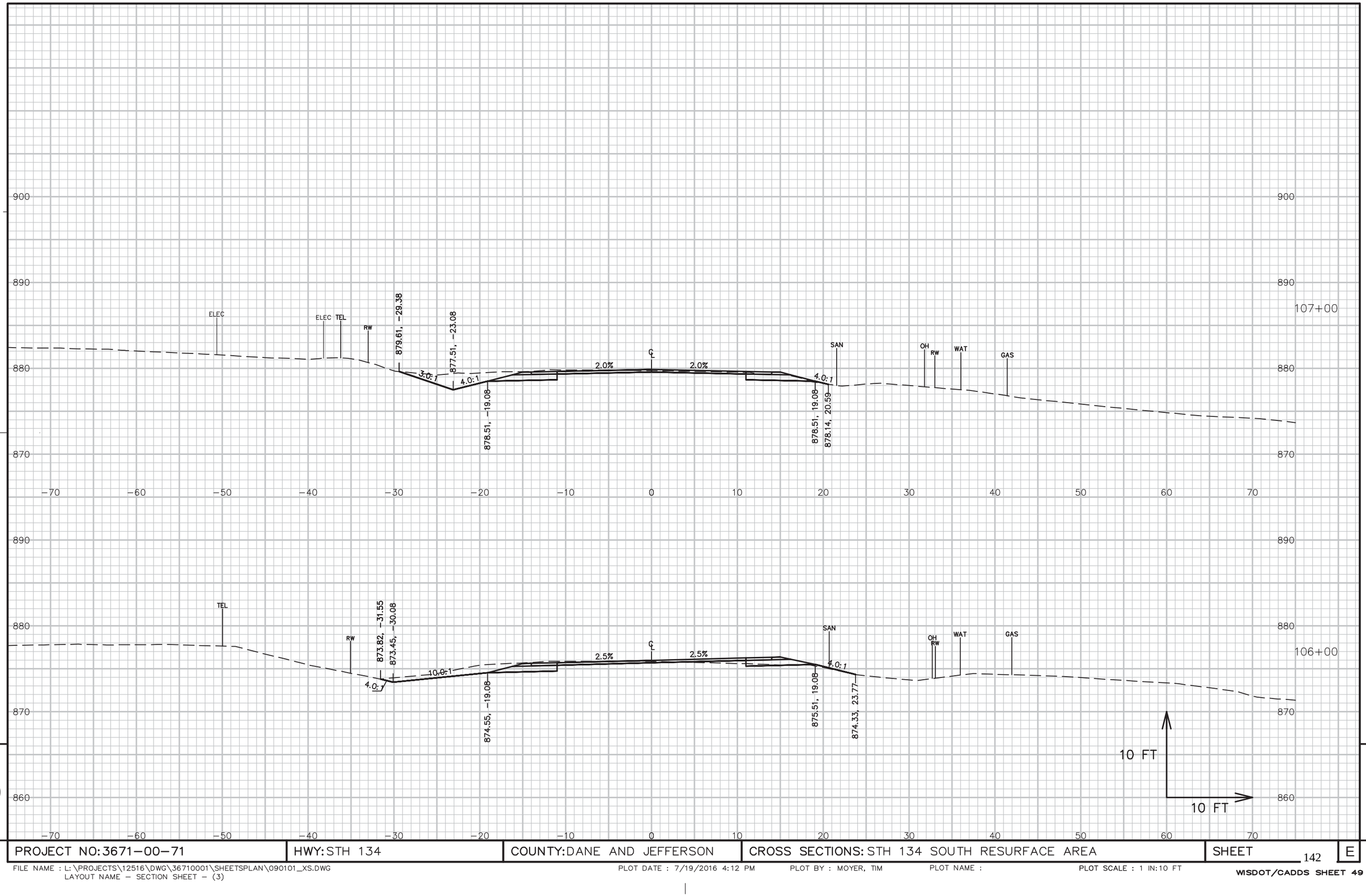
9

PROJECT NO: 3671−00−71	HWY: STH 134	COUNTY: DANE AND JEFFERSON	CROSS SECTIONS: STH 134 SOUTH RESURFACE AREA	SHEET 141	E

FILE NAME : L:\PROJECTS\12516\DWG\36710001\SHEETSPLAN\090101_XS.DWG
LAYOUT NAME − SECTION SHEET − (2)

PLOT DATE : 7/19/2016 4:12 PM PLOT BY : MOYER, TIM PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49

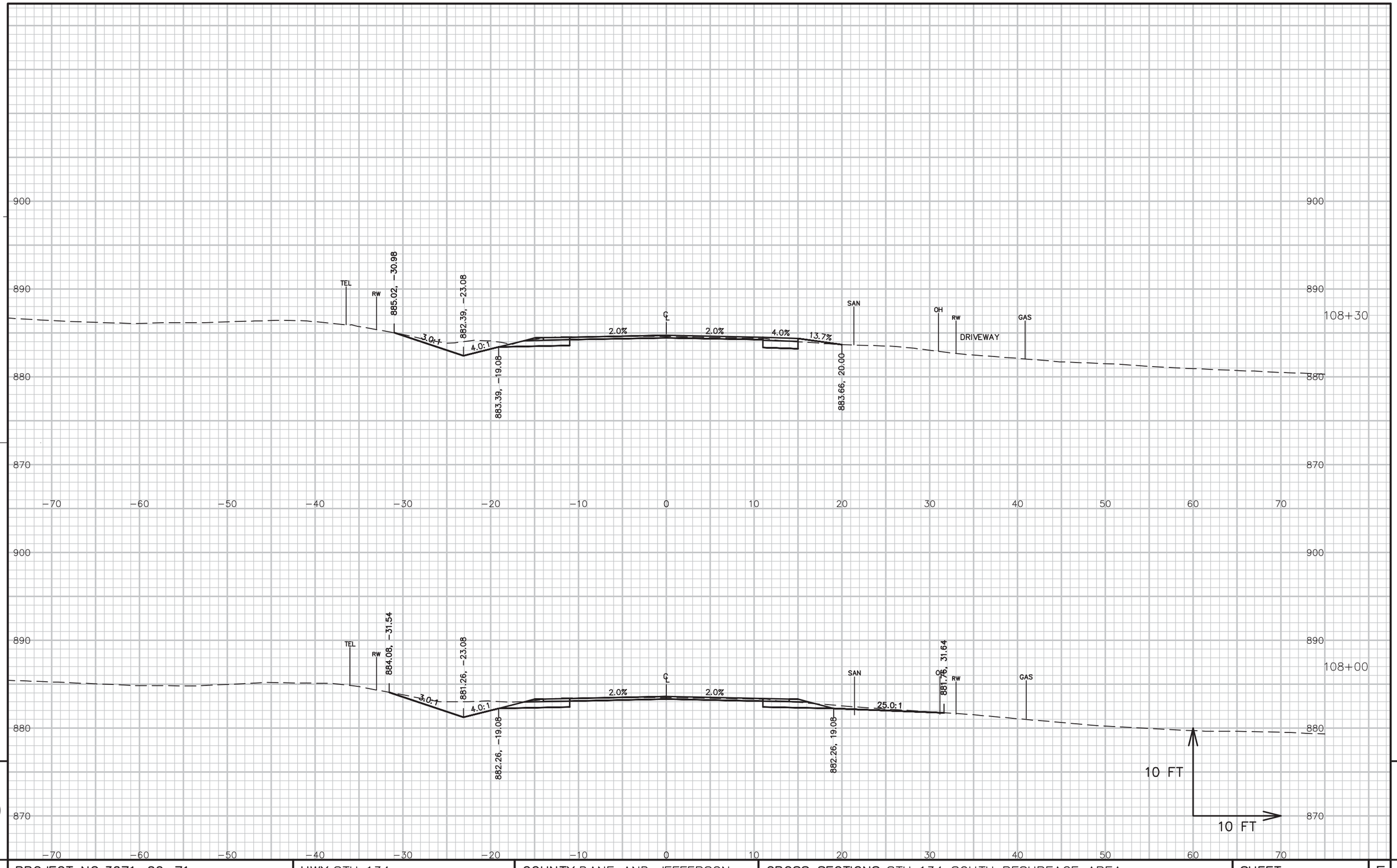


PROJECT NO: 3671-00-71	HWY: STH 134	COUNTY: DANE AND JEFFERSON	CROSS SECTIONS: STH 134 SOUTH RESURFACE AREA	SHEET 142	E

FILE NAME : L:\PROJECTS\12516\DWG\36710001\SHEETSPLAN\090101_XS.DWG
LAYOUT NAME - SECTION SHEET - (3)

PLOT DATE : 7/19/2016 4:12 PM PLOT BY : MOYER, TIM PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49

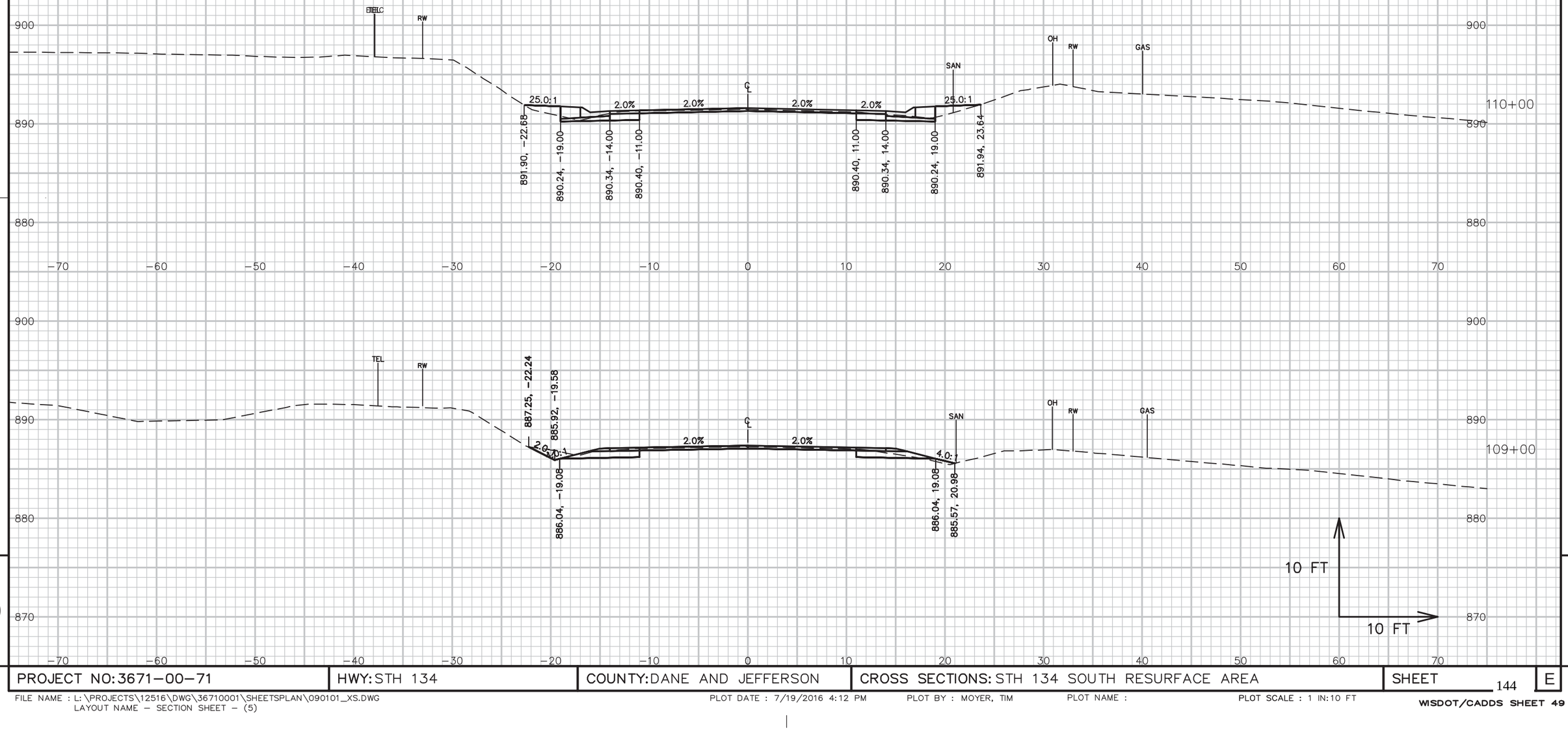


PROJECT NO: 3671−00−71	HWY: STH 134	COUNTY: DANE AND JEFFERSON	CROSS SECTIONS: STH 134 SOUTH RESURFACE AREA	SHEET 143	E

FILE NAME : L:\PROJECTS\12516\DWG\36710001\SHEETSPLAN\090101_XS.DWG
LAYOUT NAME − SECTION SHEET − (4)

PLOT DATE : 7/19/2016 4:12 PM PLOT BY : MOYER, TIM PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49

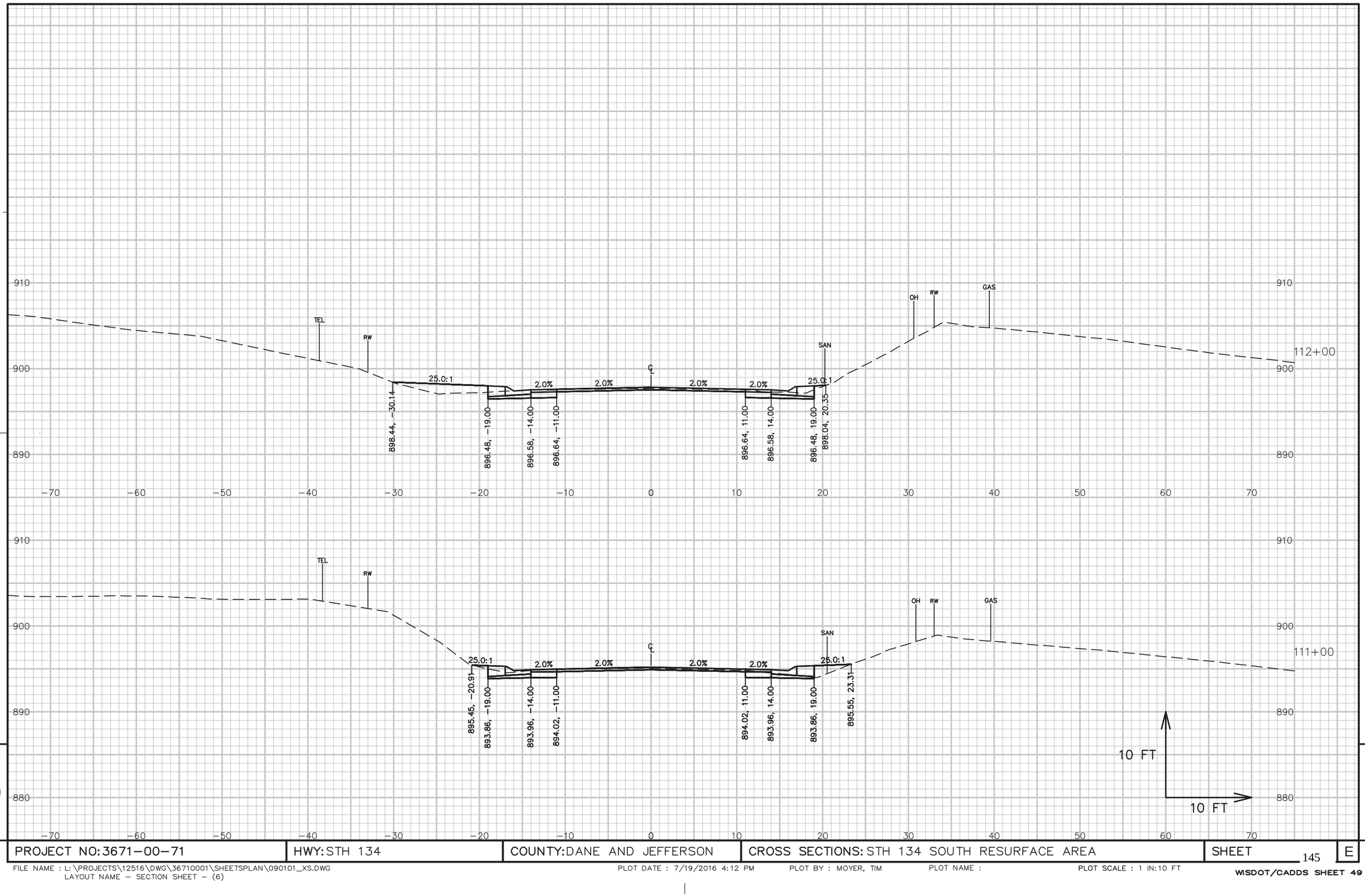


PROJECT NO: 3671-00-71	HWY: STH 134	COUNTY: DANE AND JEFFERSON	CROSS SECTIONS: STH 134 SOUTH RESURFACE AREA	SHEET 144	E

FILE NAME : L:\PROJECTS\12516\DWG\36710001\SHEETSPLAN\090101_XS.DWG
LAYOUT NAME – SECTION SHEET – (5)

PLOT DATE : 7/19/2016 4:12 PM PLOT BY : MOYER, TIM PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49

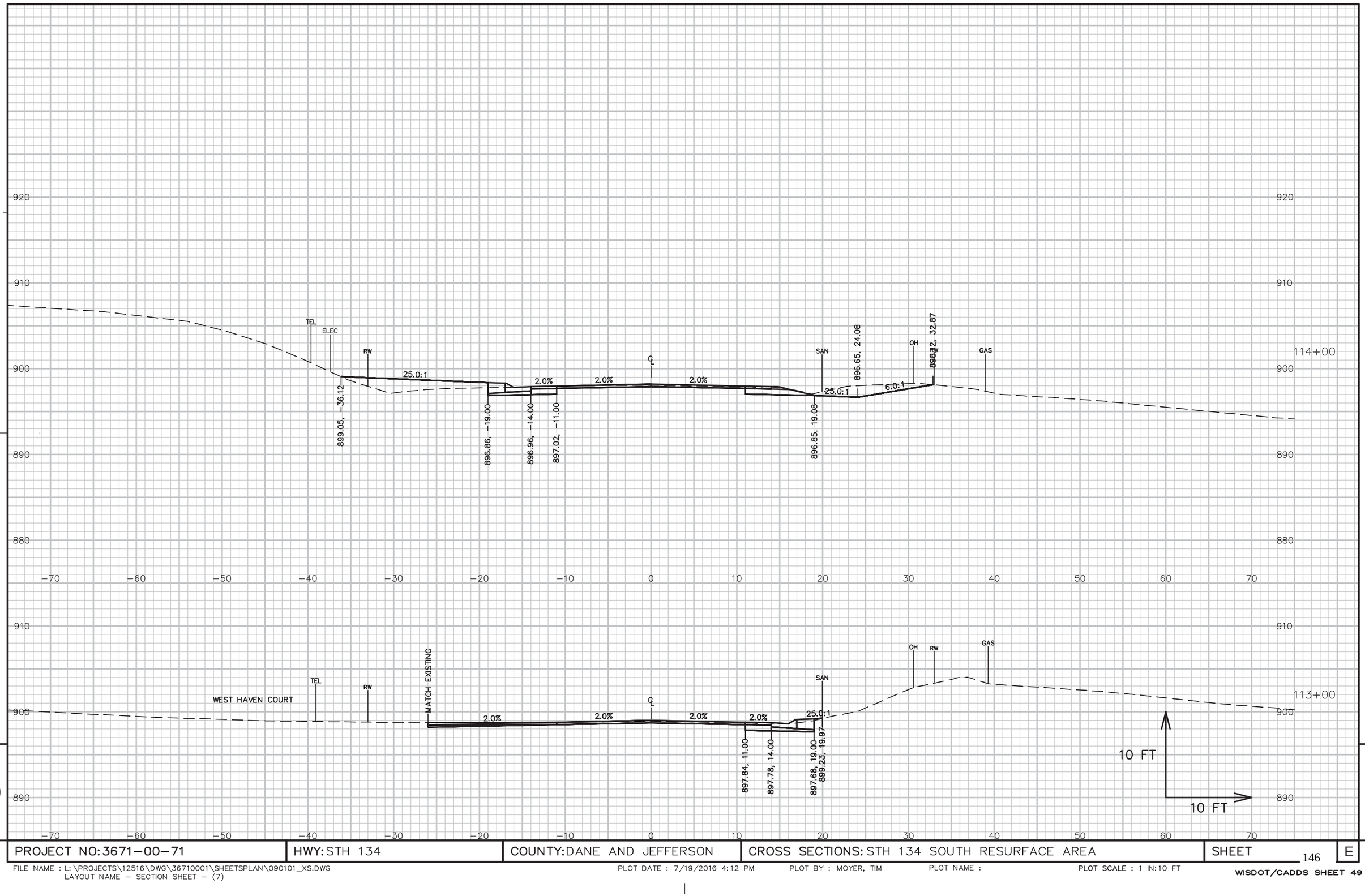


PROJECT NO: 3671-00-71	HWY: STH 134	COUNTY: DANE AND JEFFERSON	CROSS SECTIONS: STH 134 SOUTH RESURFACE AREA	SHEET 145	E

FILE NAME : L:\PROJECTS\12516\DWG\36710001\SHEETSPLAN\090101_XS.DWG
LAYOUT NAME - SECTION SHEET - (6)

PLOT DATE : 7/19/2016 4:12 PM PLOT BY : MOYER, TIM PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49

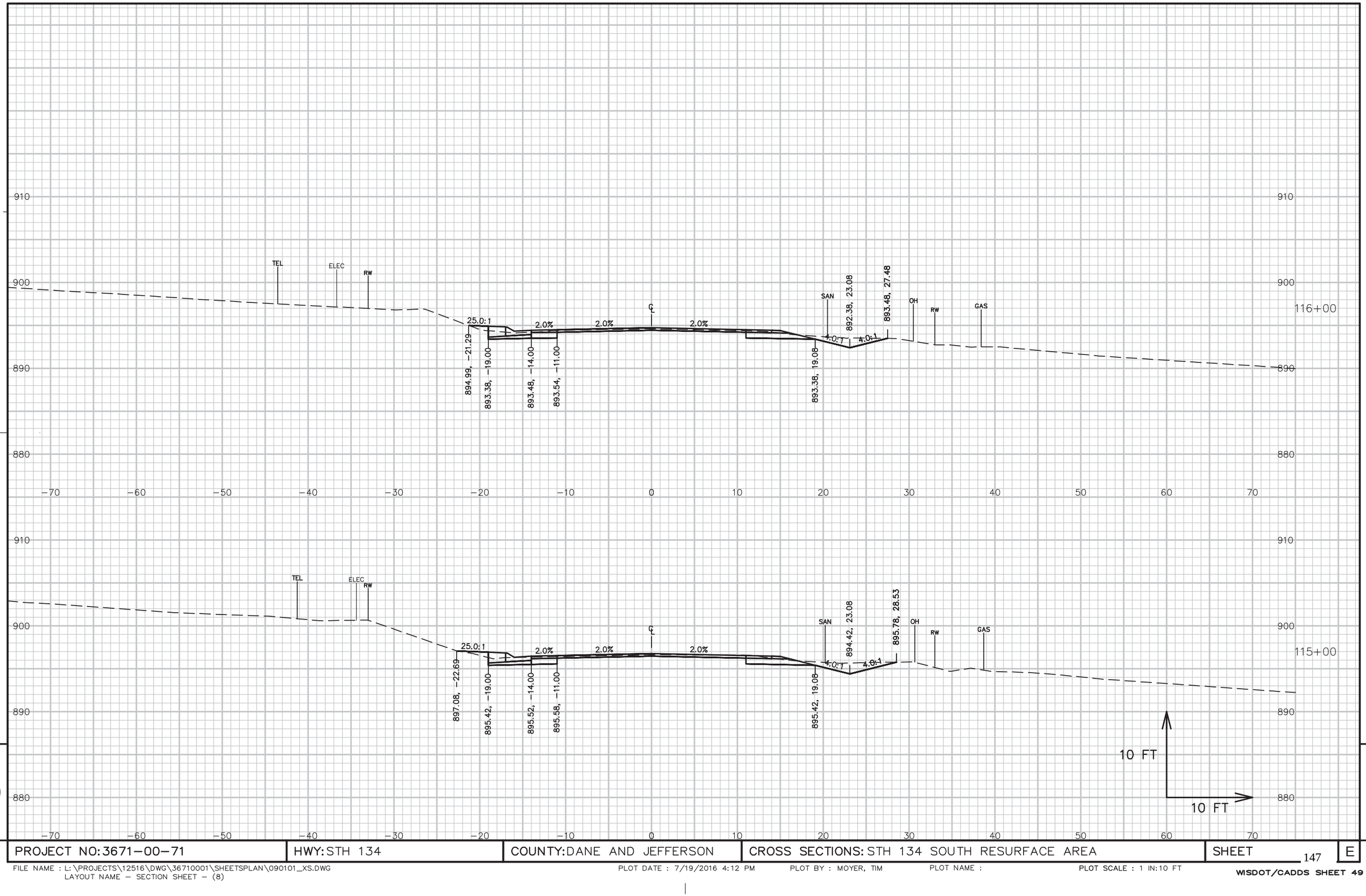


PROJECT NO: 3671−00−71	HWY: STH 134	COUNTY: DANE AND JEFFERSON	CROSS SECTIONS: STH 134 SOUTH RESURFACE AREA	SHEET 146	E

FILE NAME : L:\PROJECTS\12516\DWG\36710001\SHEETSPLAN\090101_XS.DWG
LAYOUT NAME − SECTION SHEET − (7)

PLOT DATE : 7/19/2016 4:12 PM PLOT BY : MOYER, TIM PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49

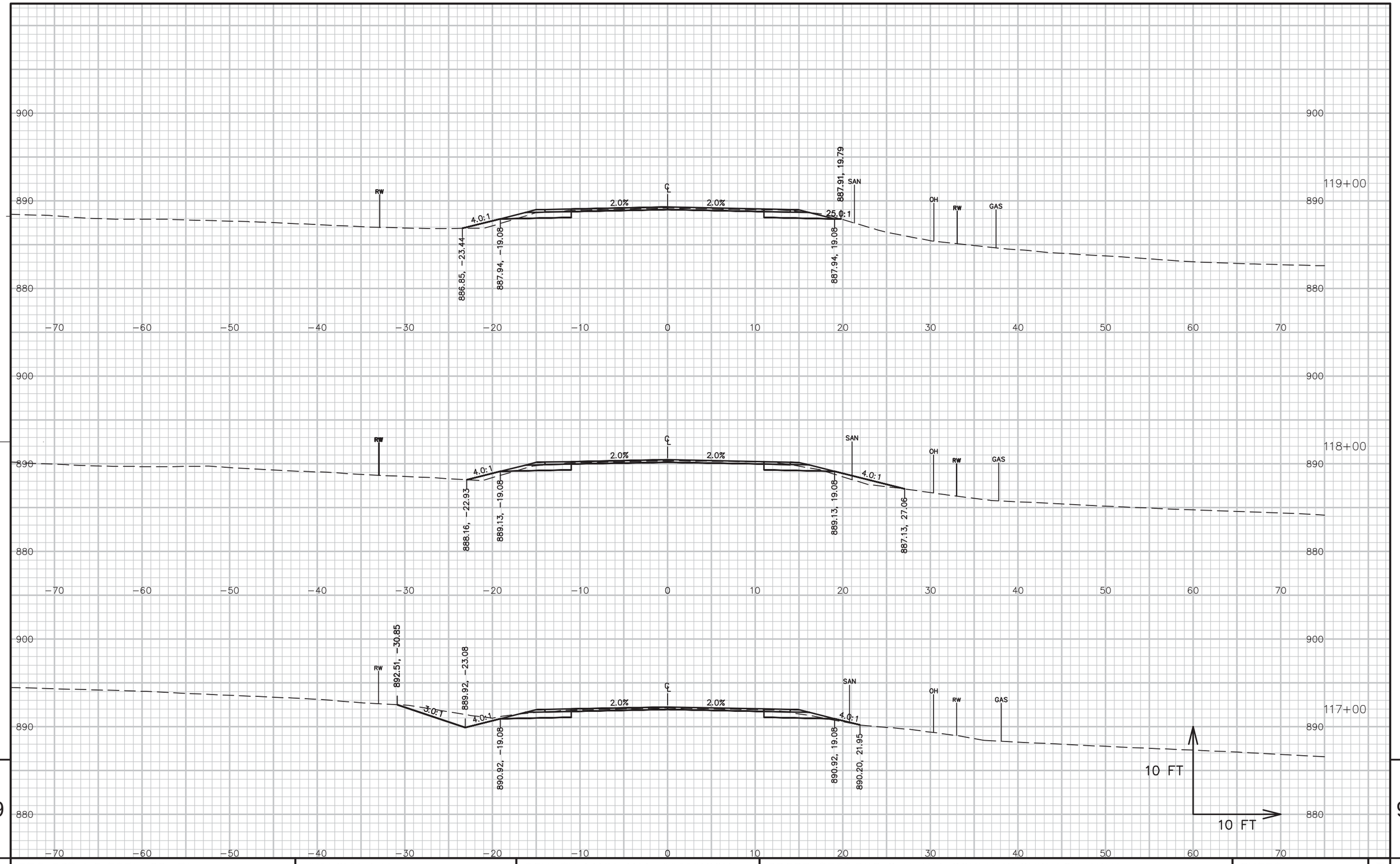


PROJECT NO: 3671−00−71	HWY: STH 134	COUNTY: DANE AND JEFFERSON	CROSS SECTIONS: STH 134 SOUTH RESURFACE AREA	SHEET 147	E

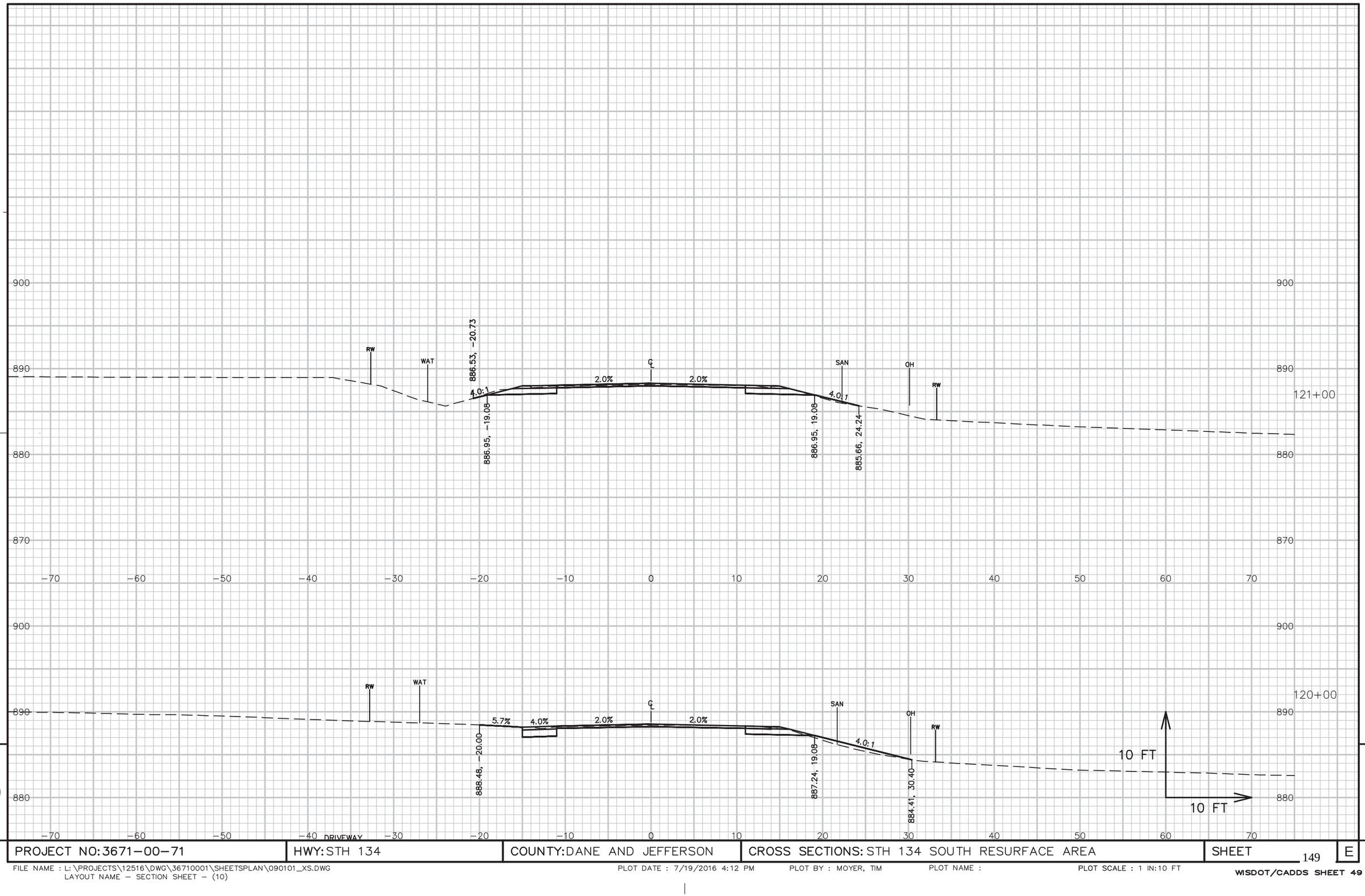
FILE NAME : L:\PROJECTS\12516\DWG\36710001\SHEETSPLAN\090101_XS.DWG
LAYOUT NAME − SECTION SHEET − (8)

PLOT DATE : 7/19/2016 4:12 PM PLOT BY : MOYER, TIM PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



PROJECT NO: 3671-00-71	HWY: STH 134	COUNTY: DANE AND JEFFERSON	CROSS SECTIONS: STH 134 SOUTH RESURFACE AREA	SHEET 148	E



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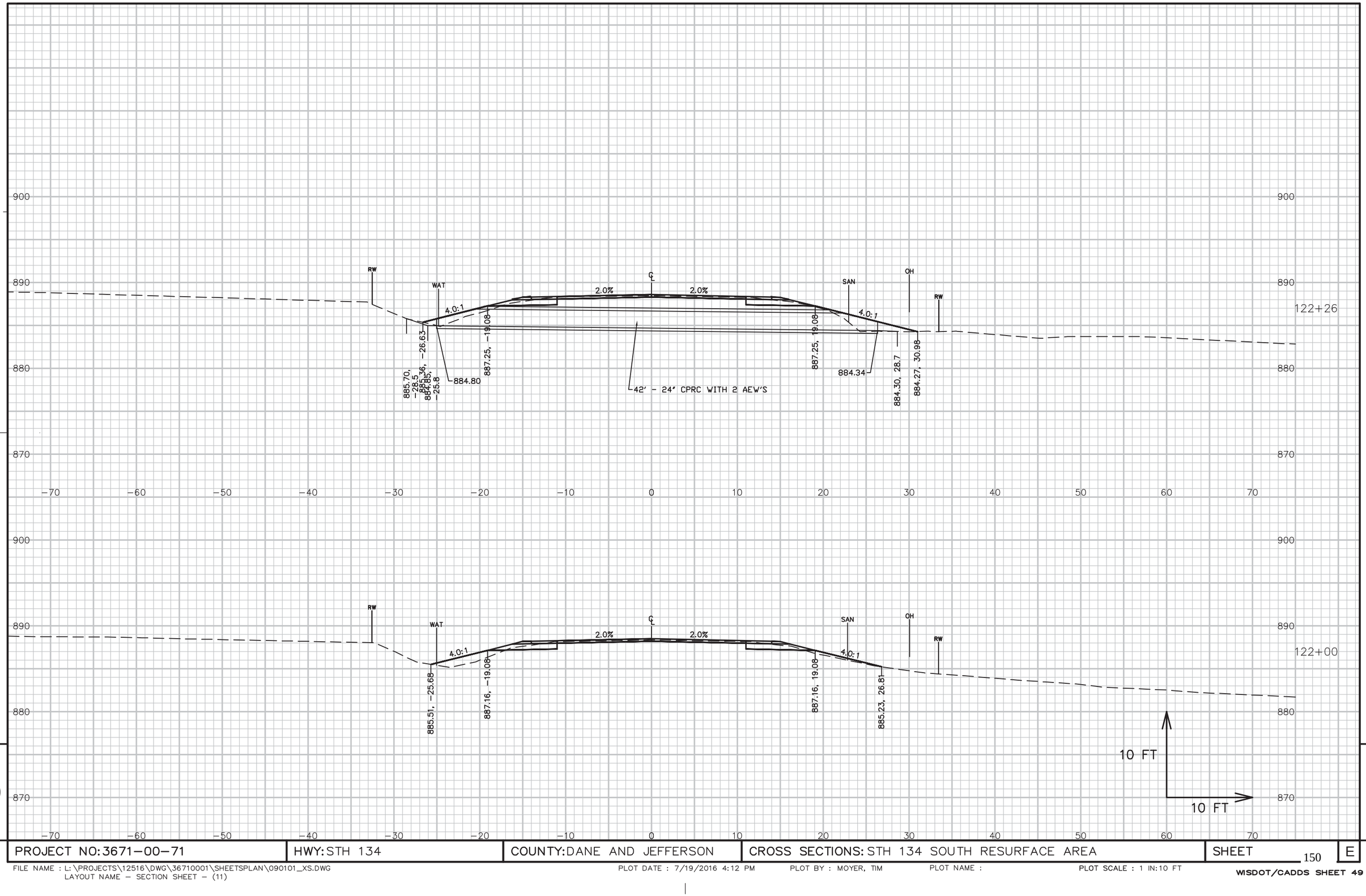
PROJECT NO: 3671−00−71	HWY: STH 134	COUNTY: DANE AND JEFFERSON	CROSS SECTIONS: STH 134 SOUTH RESURFACE AREA	SHEET 149	E

FILE NAME : L:\PROJECTS\12516\DWG\36710001\SHEETSPLAN\090101_XS.DWG
LAYOUT NAME − SECTION SHEET − (10)

PLOT DATE : 7/19/2016 4:12 PM PLOT BY : MOYER, TIM PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49

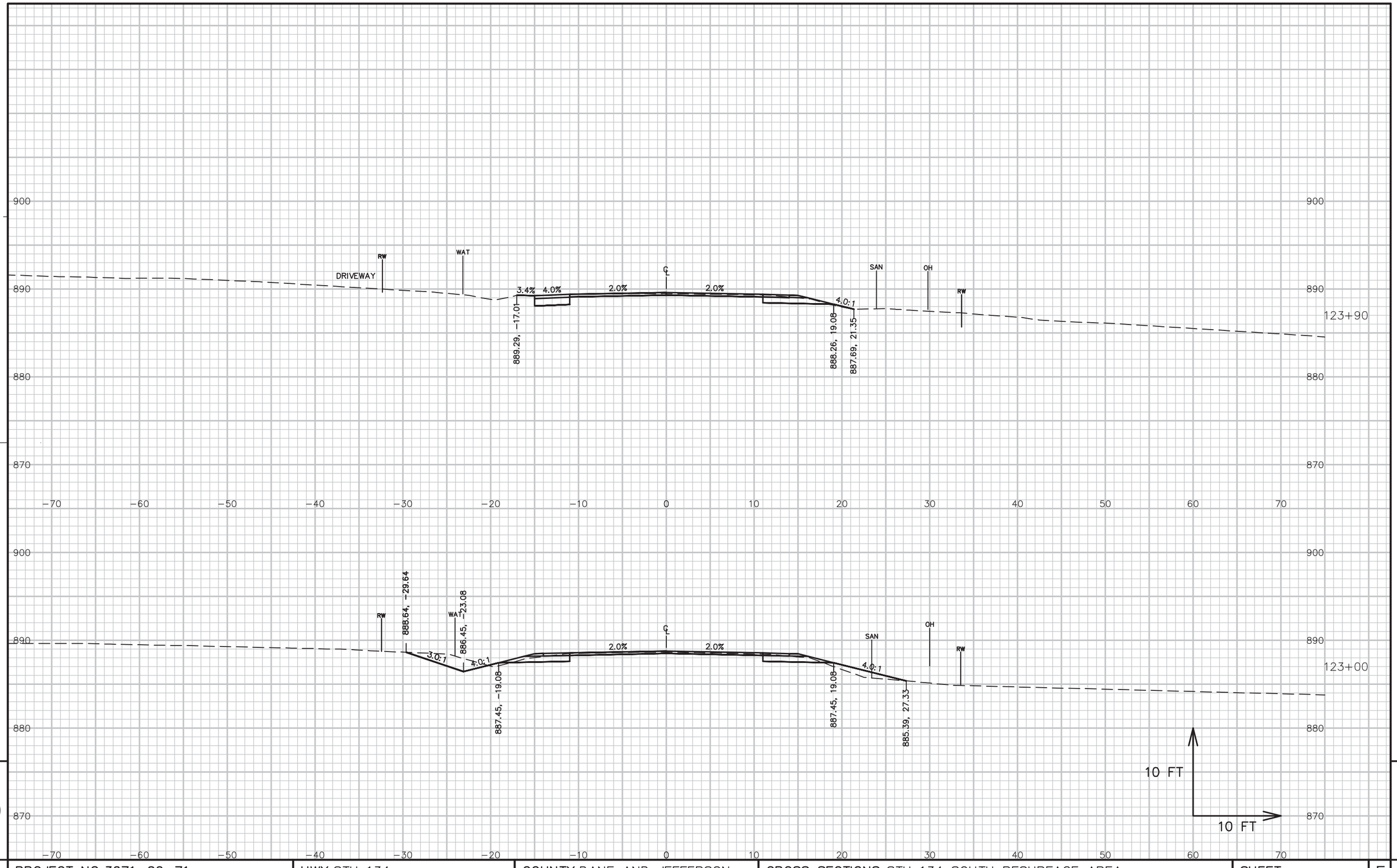


PROJECT NO: 3671−00−71	HWY: STH 134	COUNTY: DANE AND JEFFERSON	CROSS SECTIONS: STH 134 SOUTH RESURFACE AREA	SHEET 150	E

FILE NAME : L:\PROJECTS\12516\DWG\36710001\SHEETSPLAN\090101_XS.DWG
LAYOUT NAME − SECTION SHEET − (11)

PLOT DATE : 7/19/2016 4:12 PM PLOT BY : MOYER, TIM PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49

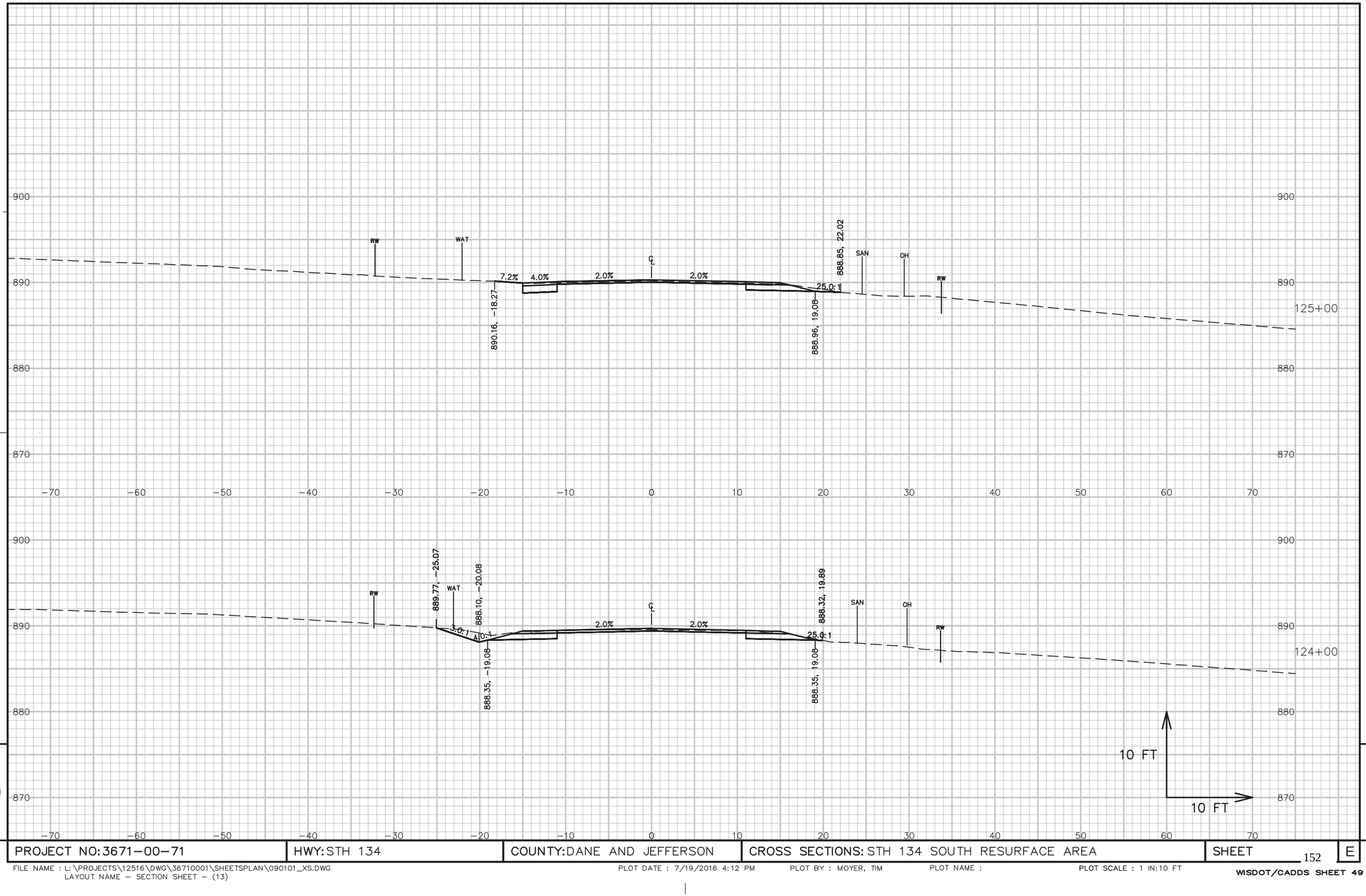


PROJECT NO: 3671-00-71	HWY: STH 134	COUNTY: DANE AND JEFFERSON	CROSS SECTIONS: STH 134 SOUTH RESURFACE AREA	SHEET 151	E

FILE NAME : L:\PROJECTS\12516\DWG\36710001\SHEETSPLAN\090101_XS.DWG
LAYOUT NAME – SECTION SHEET – (12)

PLOT DATE : 7/19/2016 4:12 PM PLOT BY : MOYER, TIM PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49

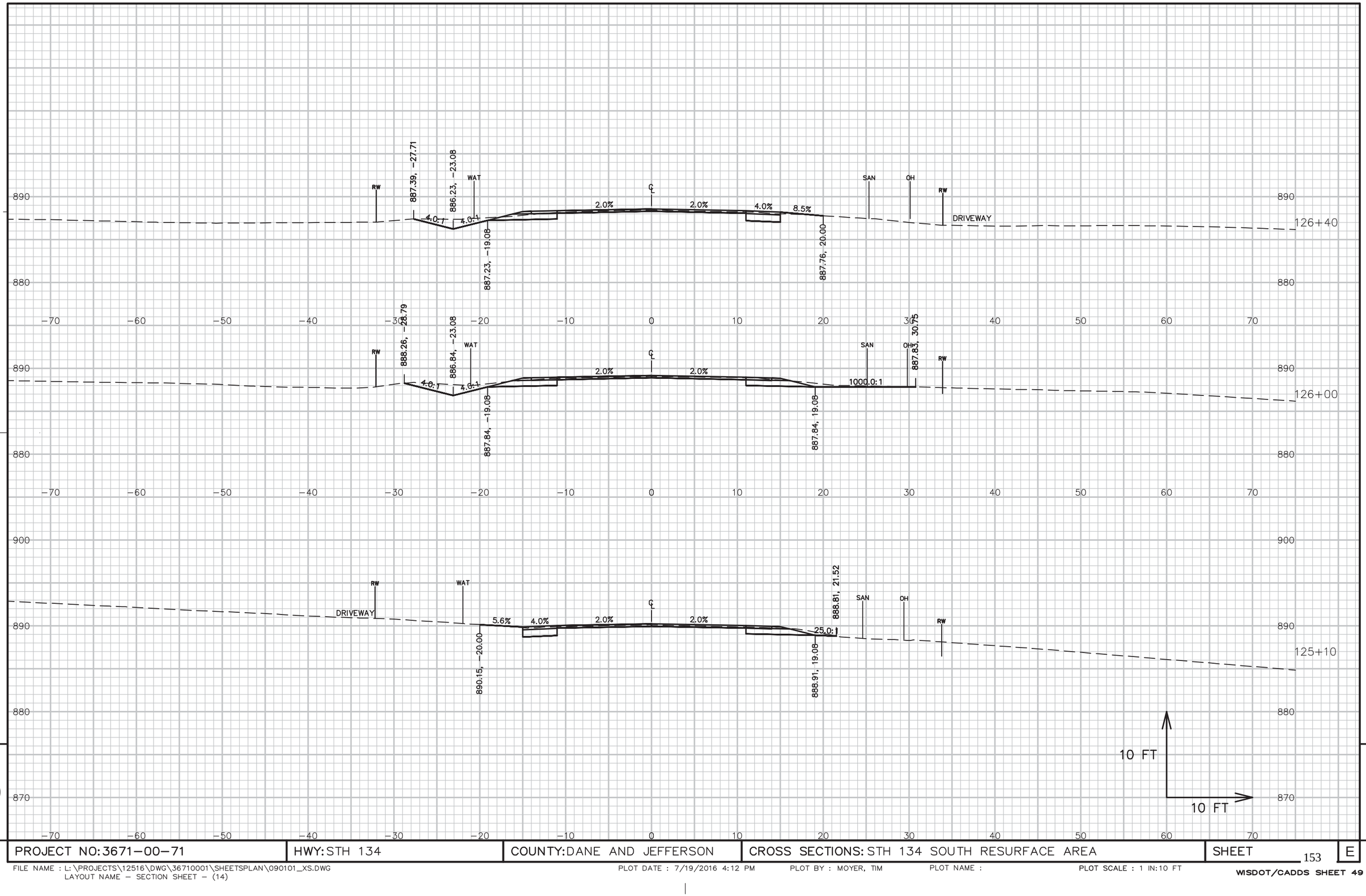


PROJECT NO: 3671−00−71	HWY: STH 134	COUNTY: DANE AND JEFFERSON	CROSS SECTIONS: STH 134 SOUTH RESURFACE AREA	SHEET 152	E

FILE NAME : L:\PROJECTS\12516\DWG\36710001\SHEETSPLAN\090101_XS.DWG
LAYOUT NAME − SECTION SHEET − (13)

PLOT DATE : 7/19/2016 4:12 PM PLOT BY : MOYER, TIM PLOT NAME : PLOT SCALE : 1 IN:10 FT

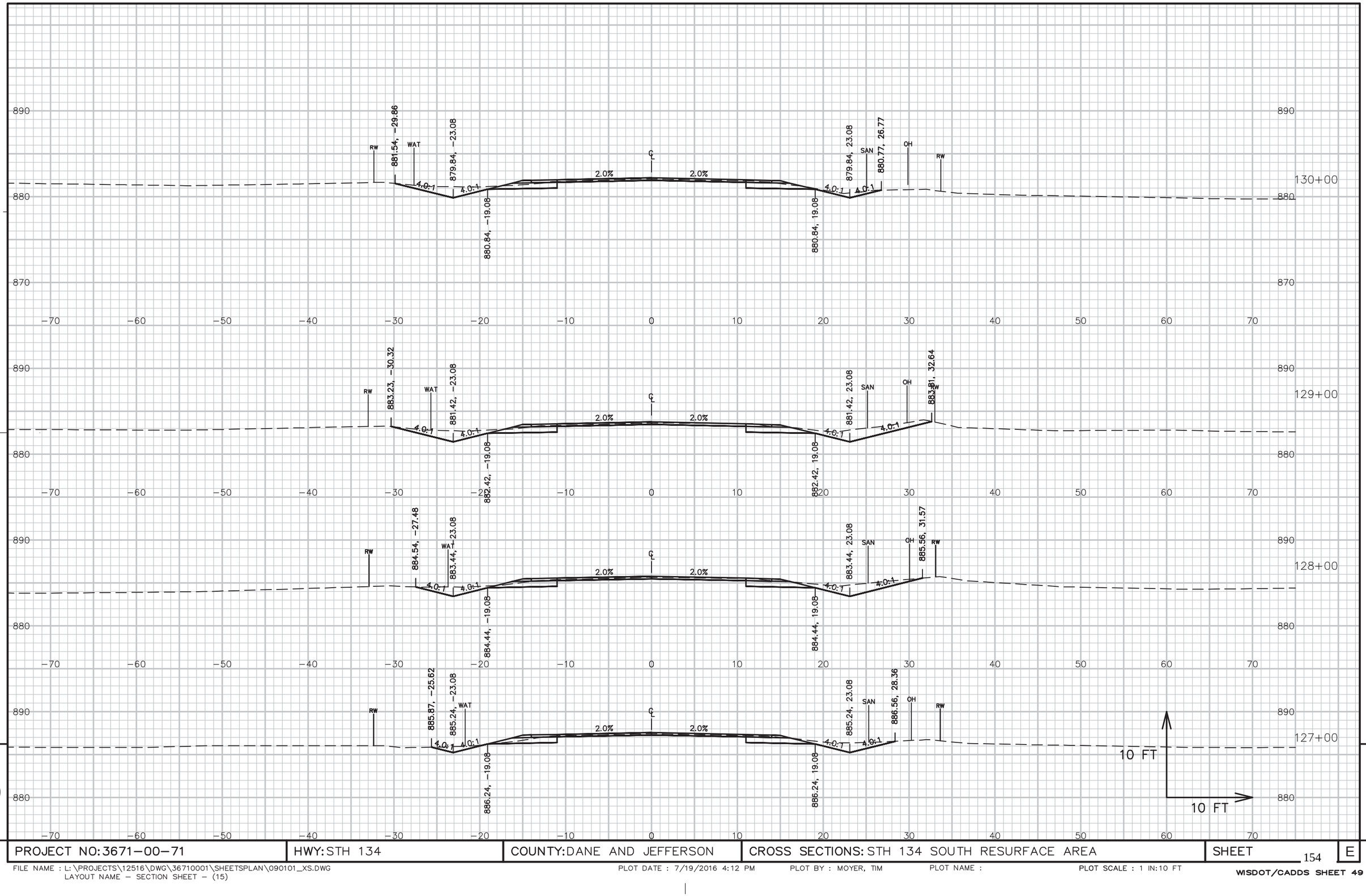
WISDOT/CADDS SHEET 49



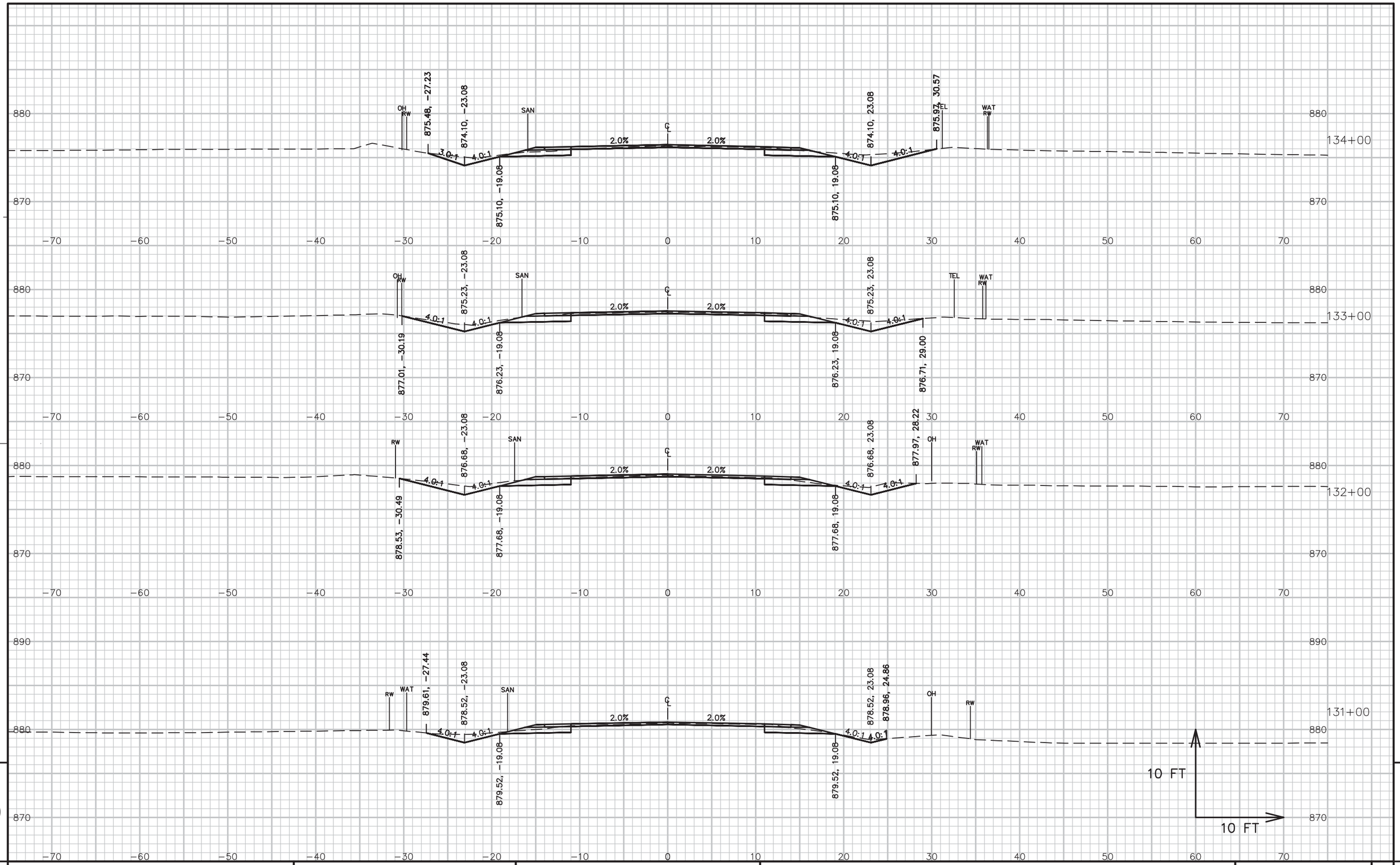
PROJECT NO: 3671-00-71	HWY: STH 134	COUNTY: DANE AND JEFFERSON	CROSS SECTIONS: STH 134 SOUTH RESURFACE AREA	SHEET 153	E

FILE NAME : L:\PROJECTS\12516\DWG\36710001\SHEETSPLAN\090101_XS.DWG
LAYOUT NAME - SECTION SHEET - (14)

PLOT DATE : 7/19/2016 4:12 PM PLOT BY : MOYER, TIM PLOT NAME : PLOT SCALE : 1 IN:10 FT



PROJECT NO: 3671-00-71	HWY: STH 134	COUNTY: DANE AND JEFFERSON	CROSS SECTIONS: STH 134 SOUTH RESURFACE AREA	SHEET 154	E



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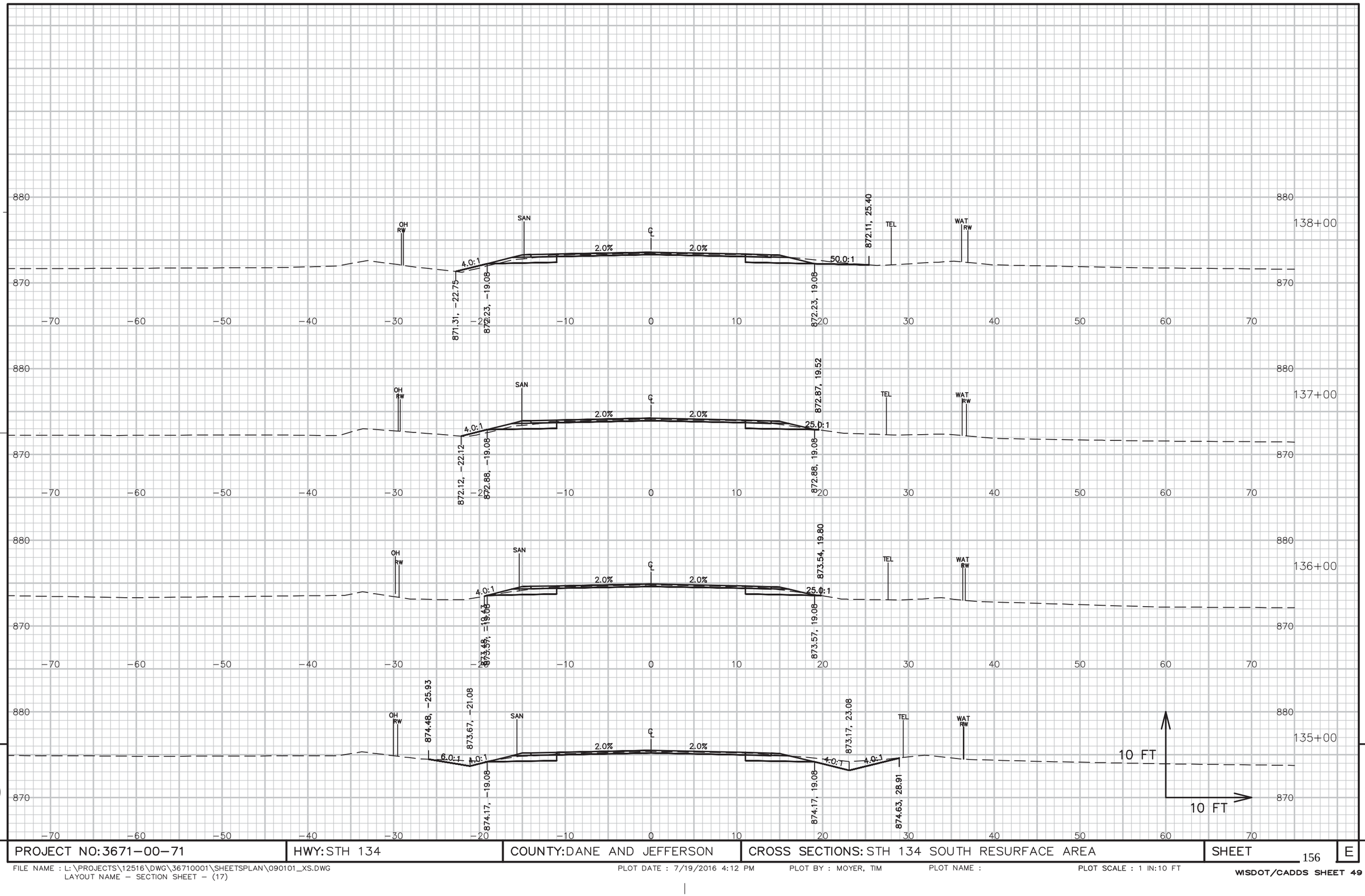
PROJECT NO: 3671-00-71	HWY: STH 134	COUNTY: DANE AND JEFFERSON	CROSS SECTIONS: STH 134 SOUTH RESURFACE AREA	SHEET 155	E

FILE NAME : L:\PROJECTS\12516\DWG\36710001\SHEETSPLAN\090101_XS.DWG
LAYOUT NAME - SECTION SHEET - (16)

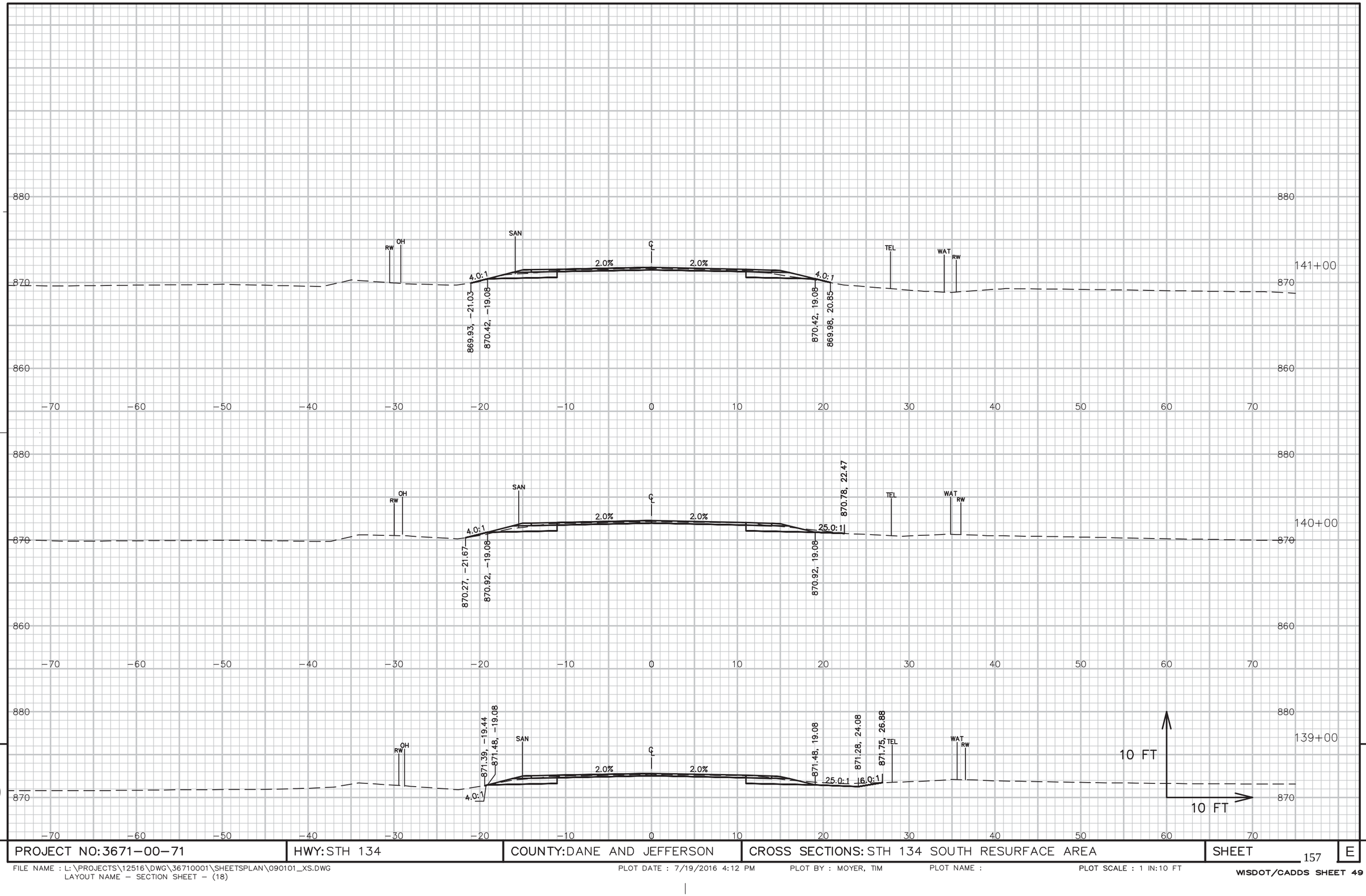
PLOT DATE : 7/19/2016 4:12 PM PLOT BY : MOYER, TIM PLOT NAME : PLOT SCALE : 1 IN:10 FT



PROJECT NO: 3671-00-71	HWY: STH 134	COUNTY: DANE AND JEFFERSON	CROSS SECTIONS: STH 134 SOUTH RESURFACE AREA	SHEET 156	E

FILE NAME : L:\PROJECTS\12516\DWG\36710001\SHEETSPLAN\090101_XS.DWG
LAYOUT NAME - SECTION SHEET - (17)

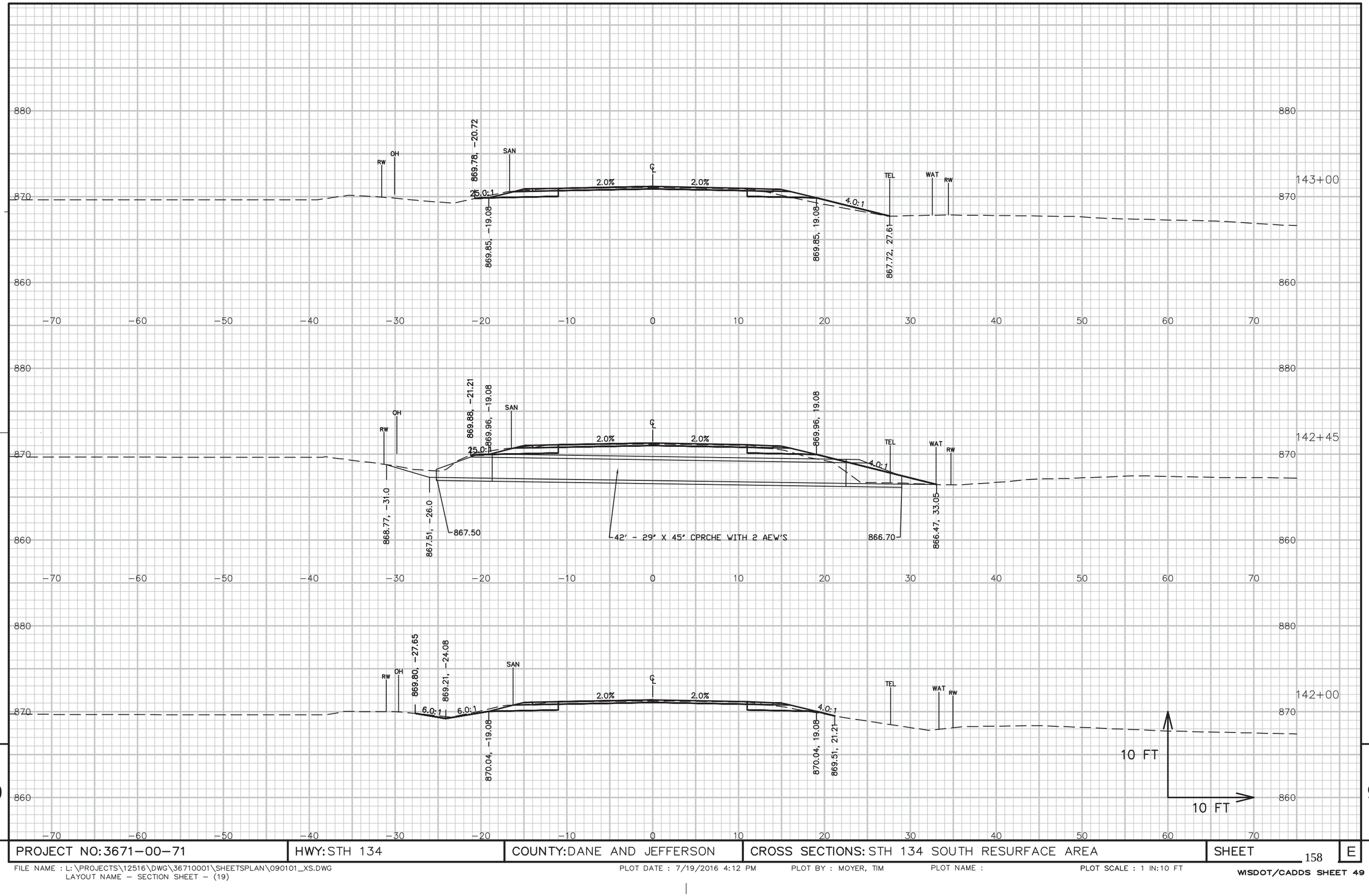
PLOT DATE : 7/19/2016 4:12 PM PLOT BY : MOYER, TIM PLOT NAME : PLOT SCALE : 1 IN:10 FT



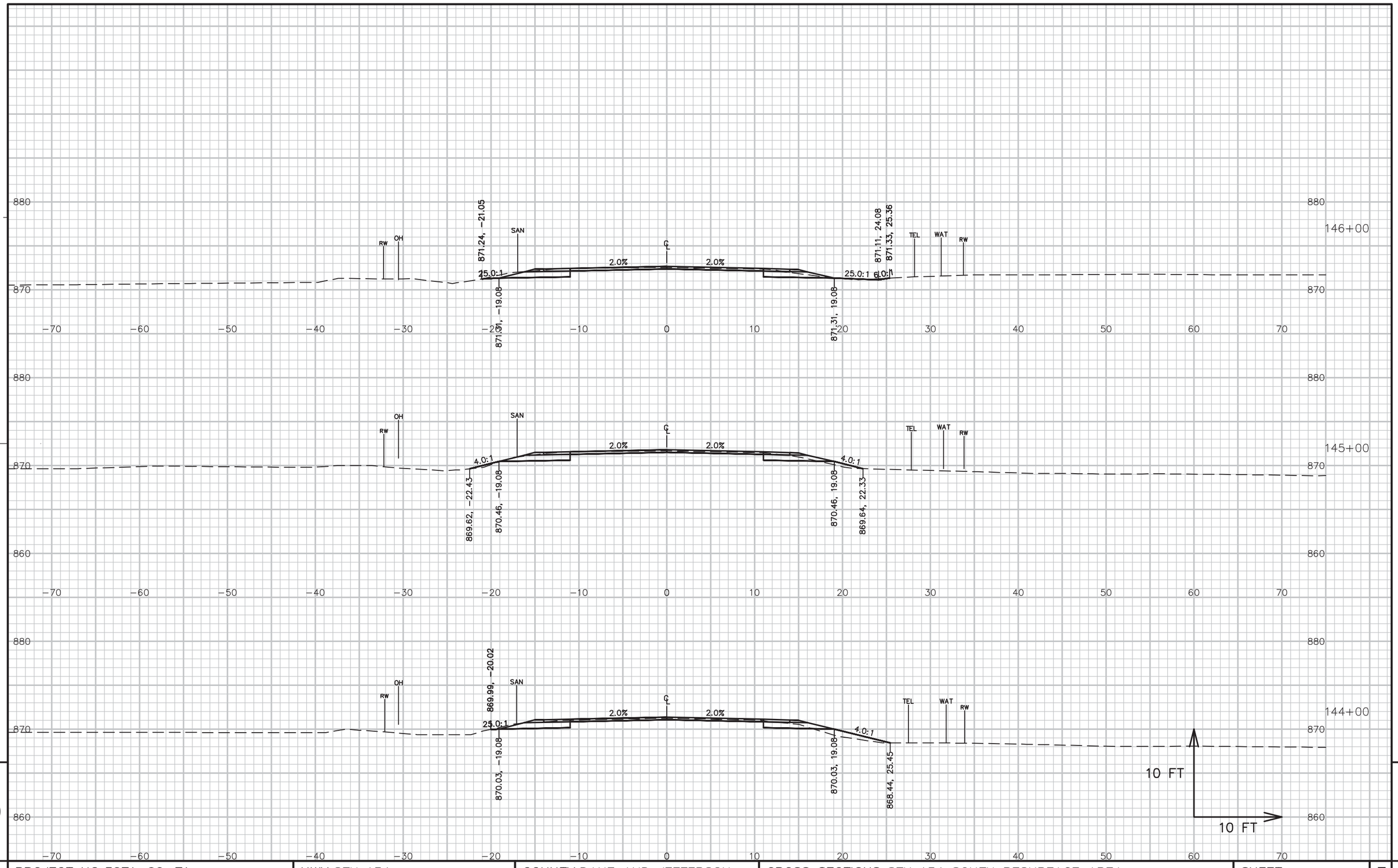
PROJECT NO: 3671-00-71	HWY: STH 134	COUNTY: DANE AND JEFFERSON	CROSS SECTIONS: STH 134 SOUTH RESURFACE AREA	SHEET 157	E

FILE NAME : L:\PROJECTS\12516\DWG\36710001\SHEETSPLAN\090101_XS.DWG
LAYOUT NAME - SECTION SHEET - (18)

PLOT DATE : 7/19/2016 4:12 PM PLOT BY : MOYER, TIM PLOT NAME : PLOT SCALE : 1 IN:10 FT



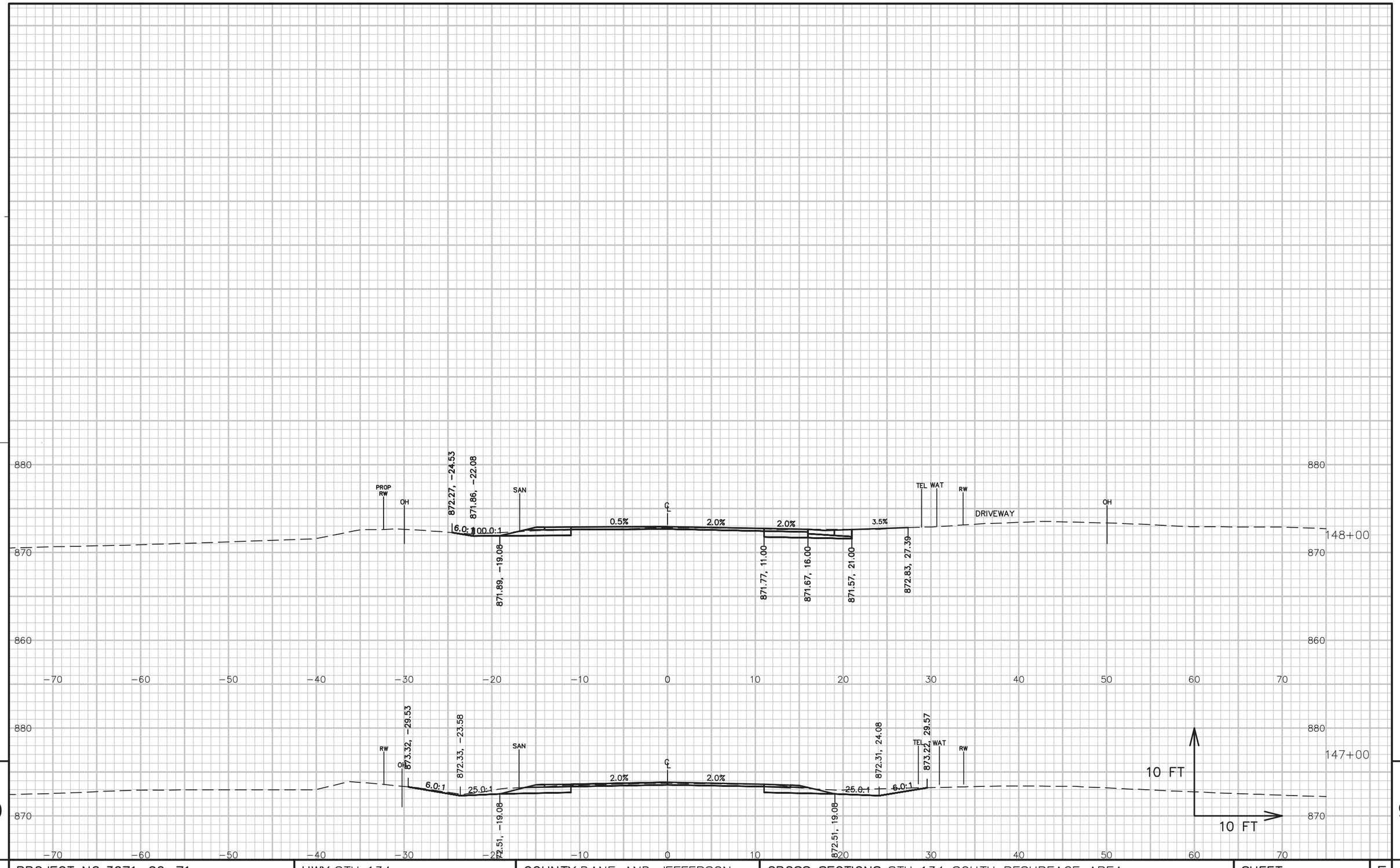
PROJECT NO: 3671-00-71	HWY: STH 134	COUNTY: DANE AND JEFFERSON	CROSS SECTIONS: STH 134 SOUTH RESURFACE AREA	SHEET 158	E



PROJECT NO: 3671-00-71	HWY: STH 134	COUNTY: DANE AND JEFFERSON	CROSS SECTIONS: STH 134 SOUTH RESURFACE AREA	SHEET 159	E

FILE NAME : L:\PROJECTS\12516\DWG\36710001\SHEETSPLAN\090101_XS.DWG
LAYOUT NAME - SECTION SHEET - (20)

PLOT DATE : 7/19/2016 4:12 PM PLOT BY : MOYER, TIM PLOT NAME : PLOT SCALE : 1 IN:10 FT

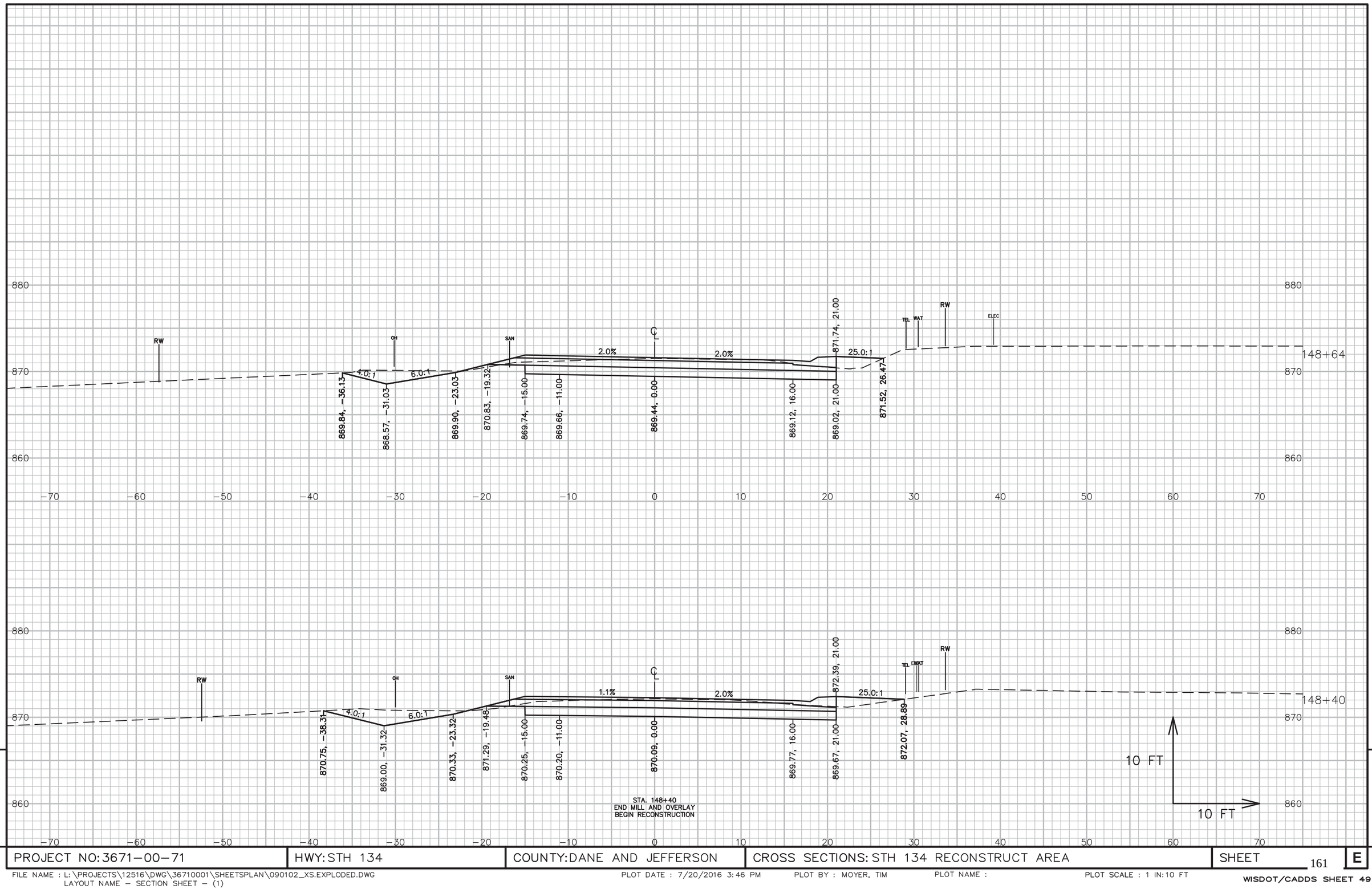


PROJECT NO: 3671−00−71	HWY: STH 134	COUNTY: DANE AND JEFFERSON	CROSS SECTIONS: STH 134 SOUTH RESURFACE AREA	SHEET 160	E

FILE NAME : L:\PROJECTS\12516\DWG\36710001\SHEETSPLAN\090101_XS.DWG
LAYOUT NAME − SECTION SHEET − (21)

PLOT DATE : 7/19/2016 4:12 PM PLOT BY : MOYER, TIM PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



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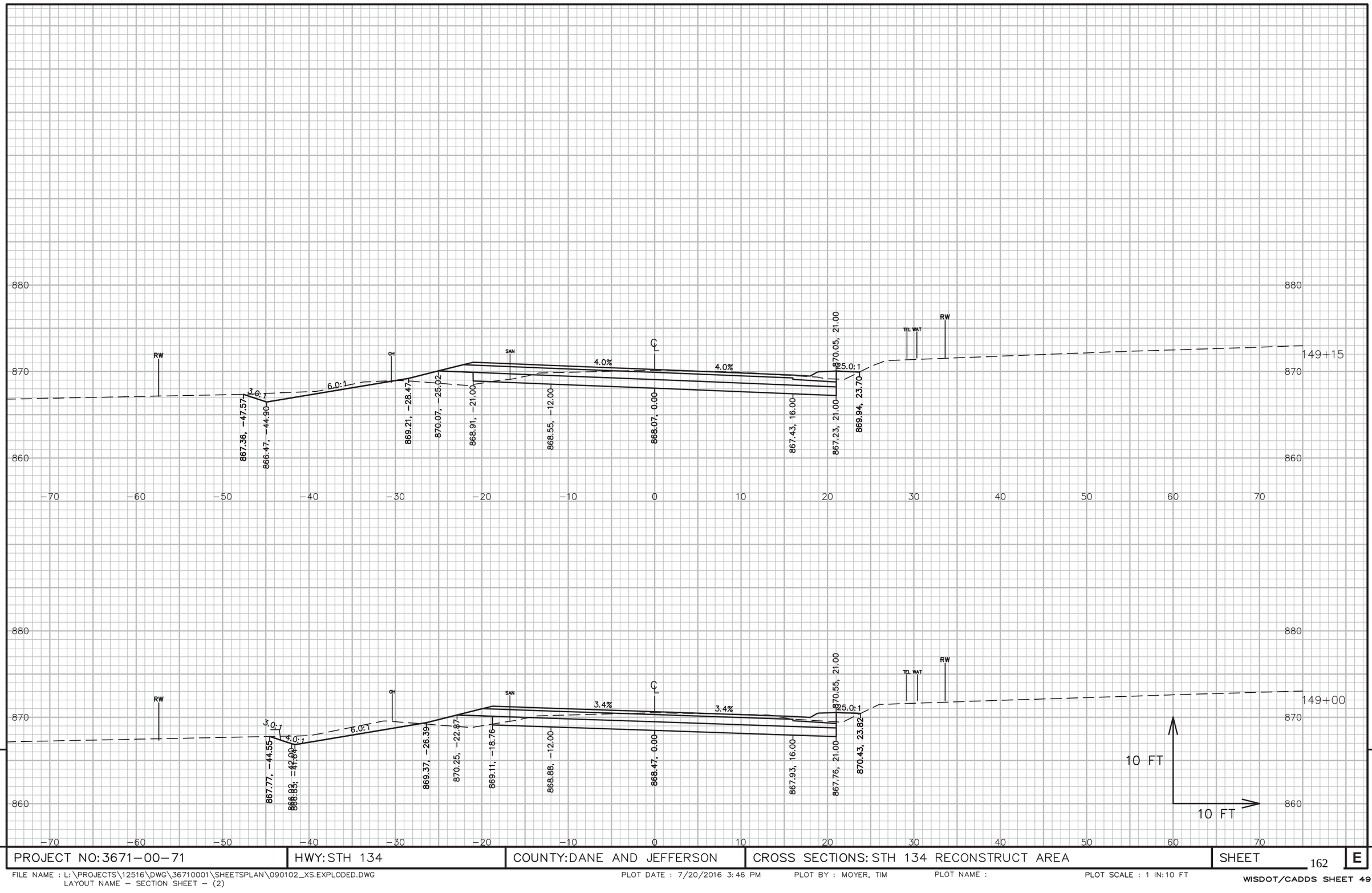
PROJECT NO: 3671-00-71	HWY: STH 134	COUNTY: DANE AND JEFFERSON	CROSS SECTIONS: STH 134 RECONSTRUCT AREA	SHEET 161	E

FILE NAME : L:\PROJECTS\12516\DWG\36710001\SHEETSPLAN\090102_XS.EXPLODED.DWG
LAYOUT NAME - SECTION SHEET - (1)

PLOT DATE : 7/20/2016 3:46 PM PLOT BY : MOYER, TIM PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49

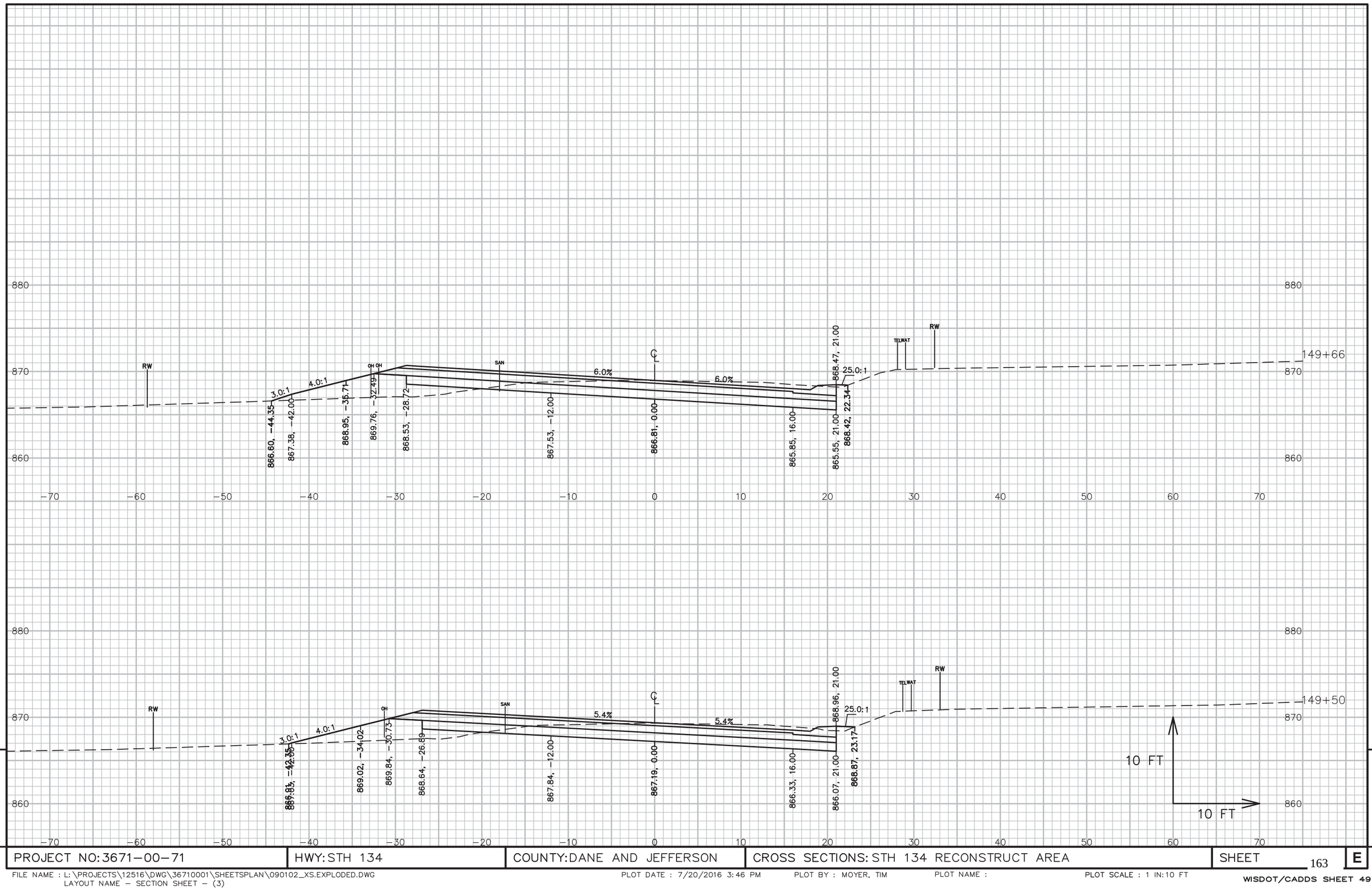


9	PROJECT NO: 3671-00-71	HWY: STH 134	COUNTY: DANE AND JEFFERSON	CROSS SECTIONS: STH 134 RECONSTRUCT AREA	SHEET 162 E

FILE NAME : L:\PROJECTS\12516\DWG\36710001\SHEETSPLAN\090102_XS.EXPLODED.DWG
LAYOUT NAME - SECTION SHEET - (2)

PLOT DATE : 7/20/2016 3:46 PM PLOT BY : MOYER, TIM PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



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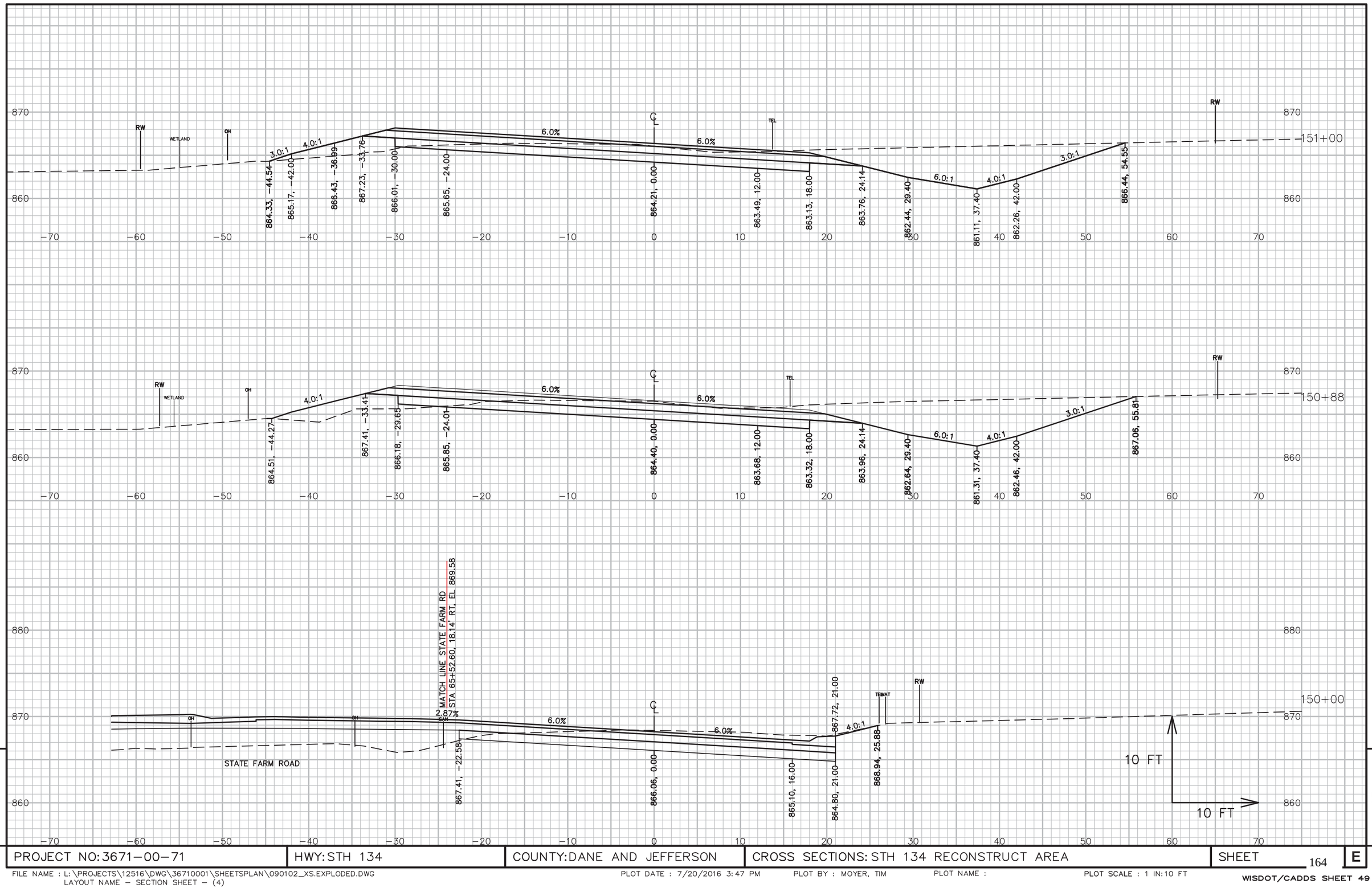
PROJECT NO: 3671-00-71	HWY: STH 134	COUNTY: DANE AND JEFFERSON	CROSS SECTIONS: STH 134 RECONSTRUCT AREA	SHEET 163	E

FILE NAME : L:\PROJECTS\12516\DWG\36710001\SHEETSPLAN\090102_XS.EXPLODED.DWG
LAYOUT NAME - SECTION SHEET - (3)

PLOT DATE : 7/20/2016 3:46 PM PLOT BY : MOYER, TIM PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



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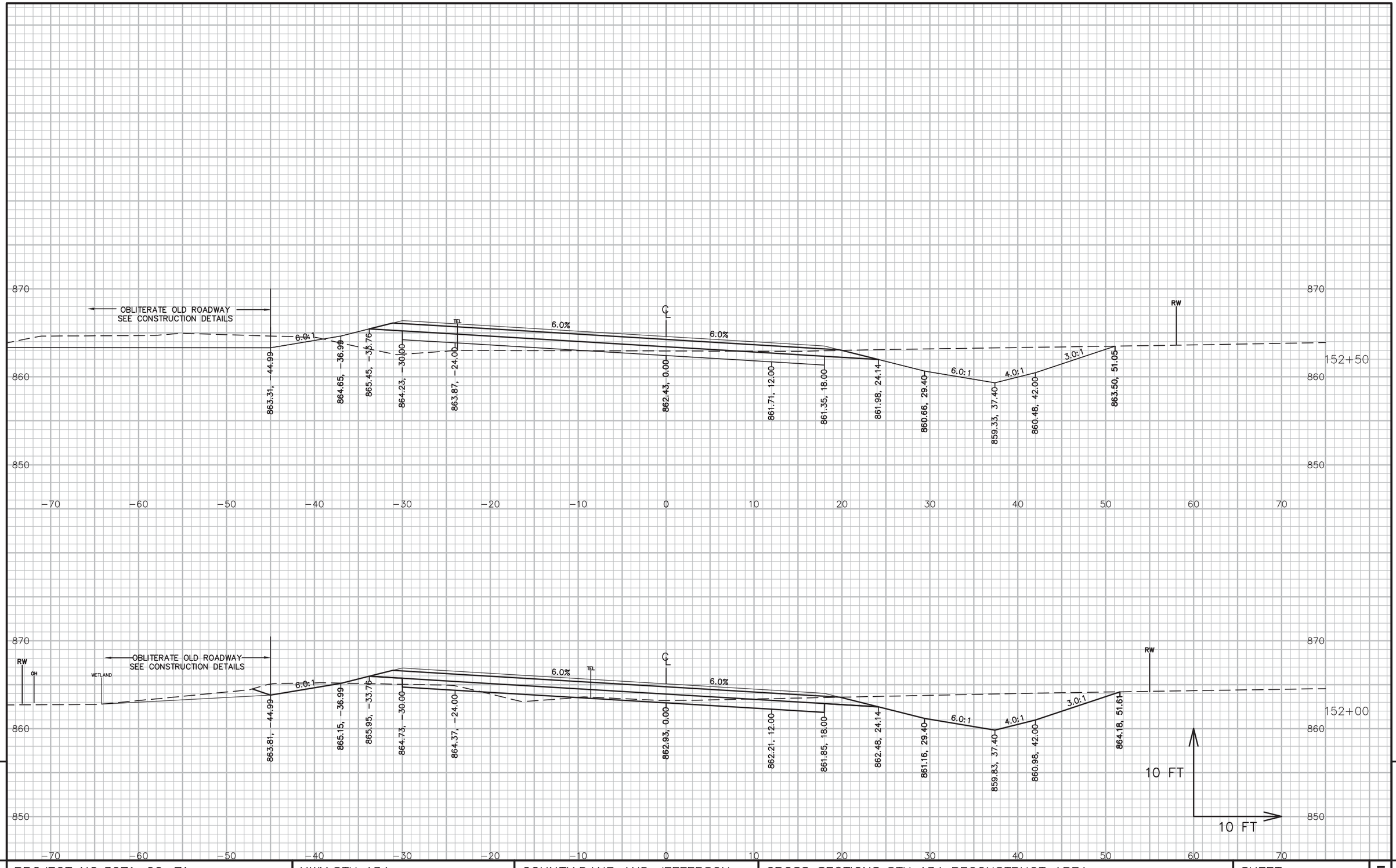
PROJECT NO: 3671-00-71	HWY: STH 134	COUNTY: DANE AND JEFFERSON	CROSS SECTIONS: STH 134 RECONSTRUCT AREA	SHEET 164	E

FILE NAME : L:\PROJECTS\12516\DWG\36710001\SHEETSPLAN\090102_XS.EXPLODED.DWG
LAYOUT NAME - SECTION SHEET - (4)

PLOT DATE : 7/20/2016 3:47 PM PLOT BY : MOYER, TIM PLOT NAME : PLOT SCALE : 1 IN:10 FT



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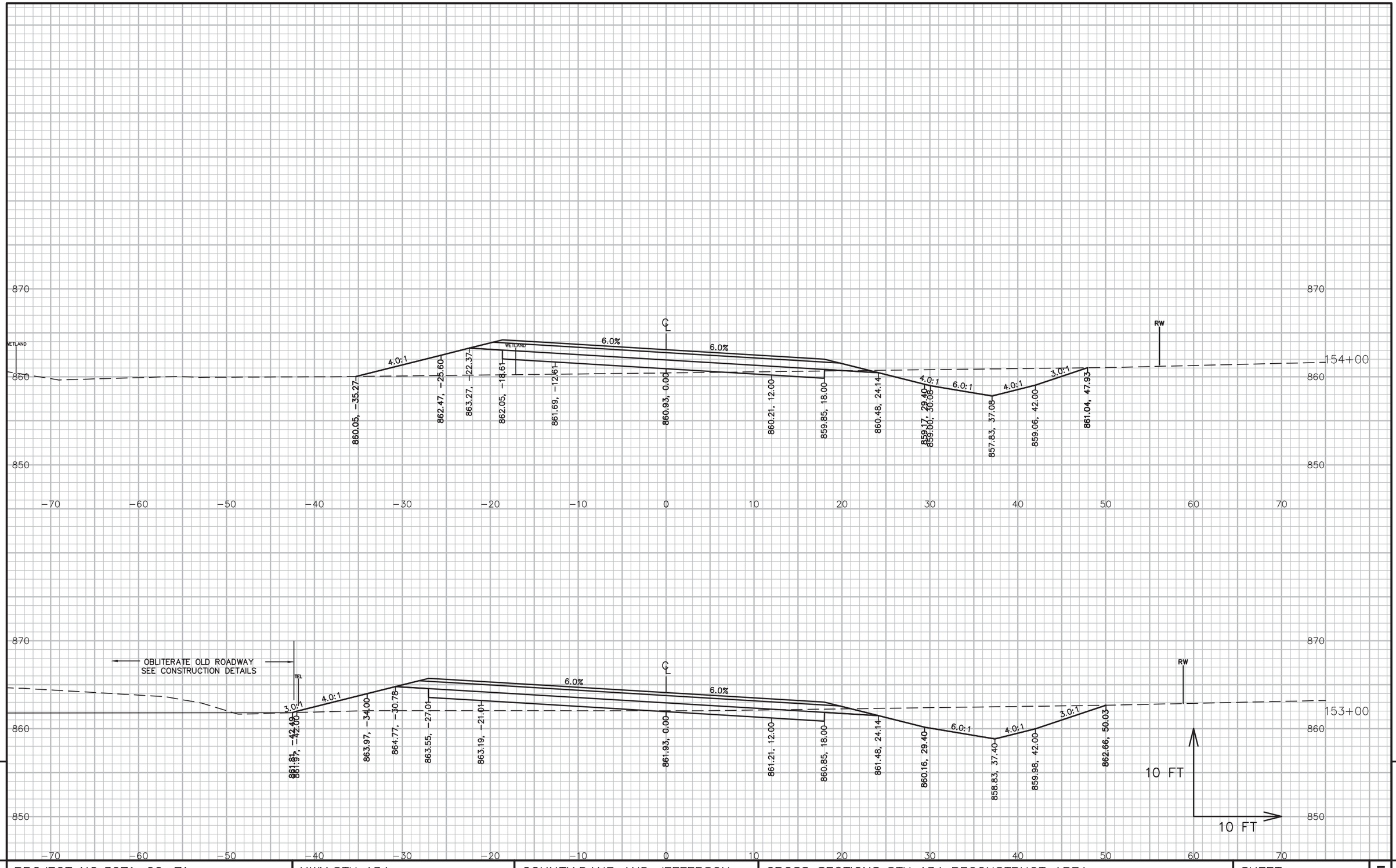
PROJECT NO: 3671-00-71	HWY: STH 134	COUNTY: DANE AND JEFFERSON	CROSS SECTIONS: STH 134 RECONSTRUCT AREA	SHEET 165	E

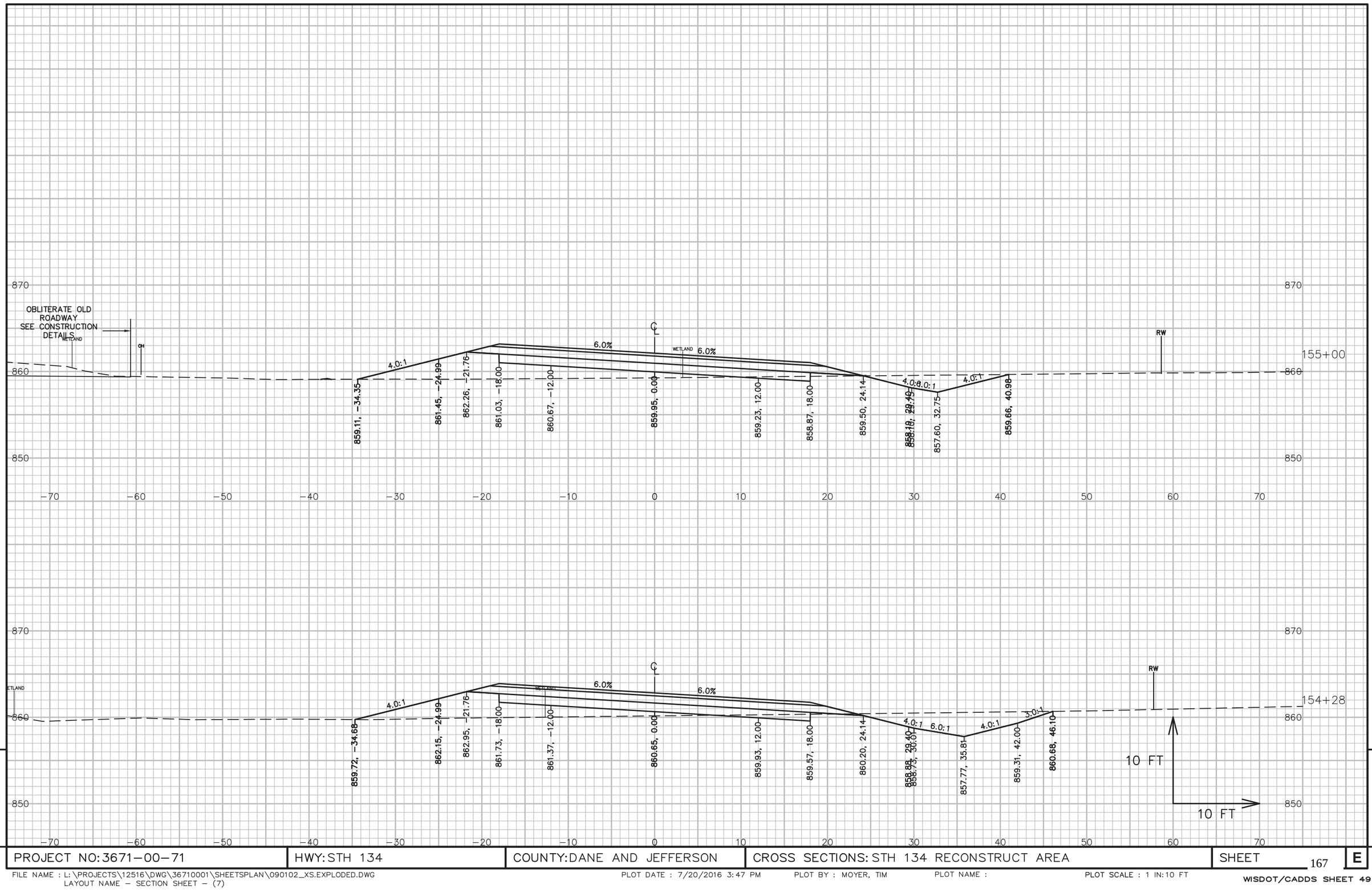
FILE NAME : L:\PROJECTS\12516\DWG\36710001\SHEETSPLAN\090102_XS.EXPLODED.DWG
LAYOUT NAME - SECTION SHEET - (5)

PLOT DATE : 7/20/2016 3:47 PM PLOT BY : MOYER, TIM PLOT NAME : PLOT SCALE : 1 IN:10 FT



9	PROJECT NO: 3671-00-71	HWY: STH 134	COUNTY: DANE AND JEFFERSON	CROSS SECTIONS: STH 134 RECONSTRUCT AREA	SHEET E

FILE NAME : L:\PROJECTS\12516\DWG\36710001\SHEETSPLAN\090102_XS.EXPLODED.DWG
LAYOUT NAME - SECTION SHEET - (6)
PLOT DATE : 7/20/2016 3:47 PM PLOT BY : MOYER, TIM PLOT NAME : PLOT SCALE : 1 IN:10 FT

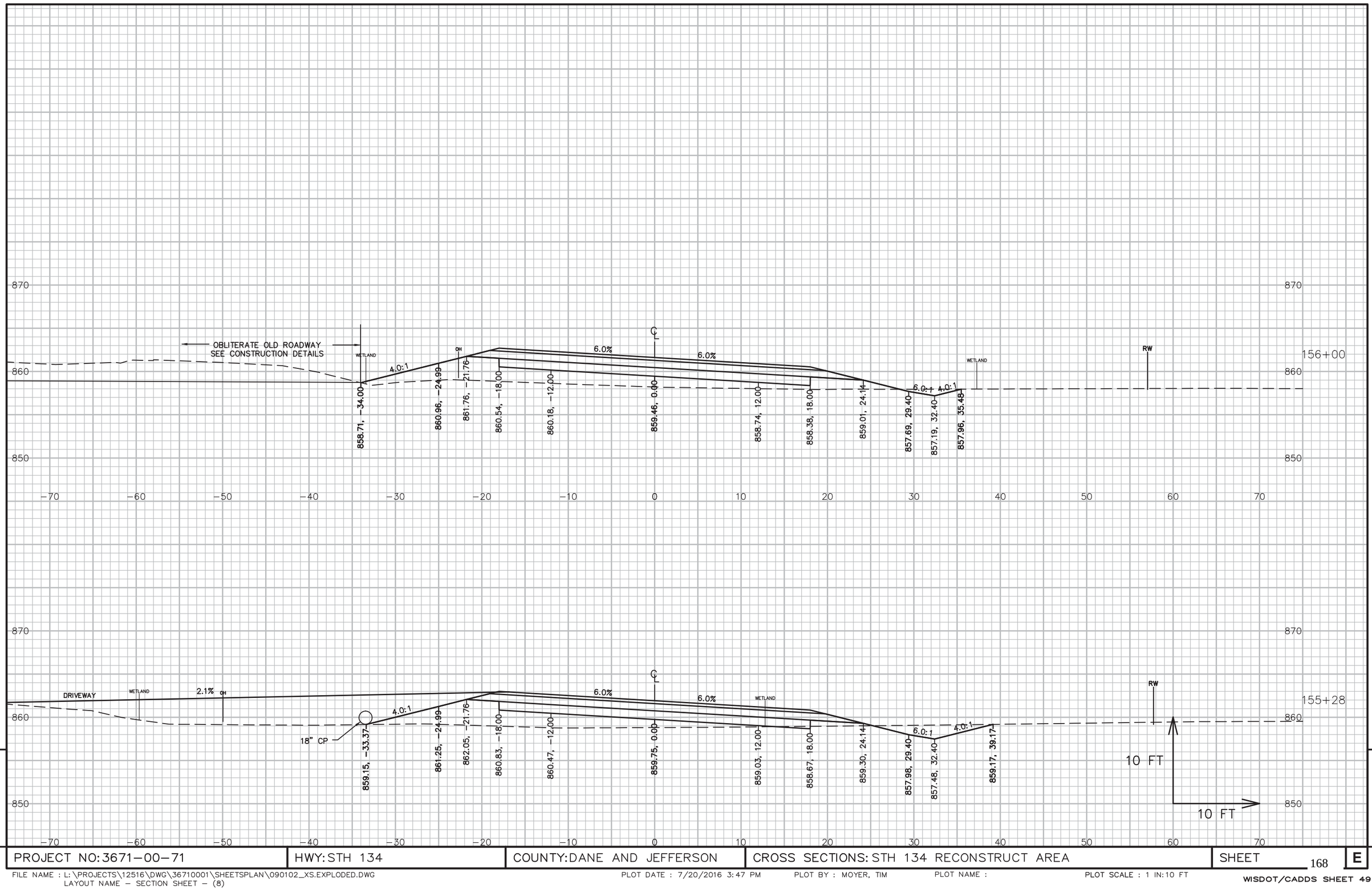


PROJECT NO: 3671-00-71	HWY: STH 134	COUNTY: DANE AND JEFFERSON	CROSS SECTIONS: STH 134 RECONSTRUCT AREA	SHEET 167	E

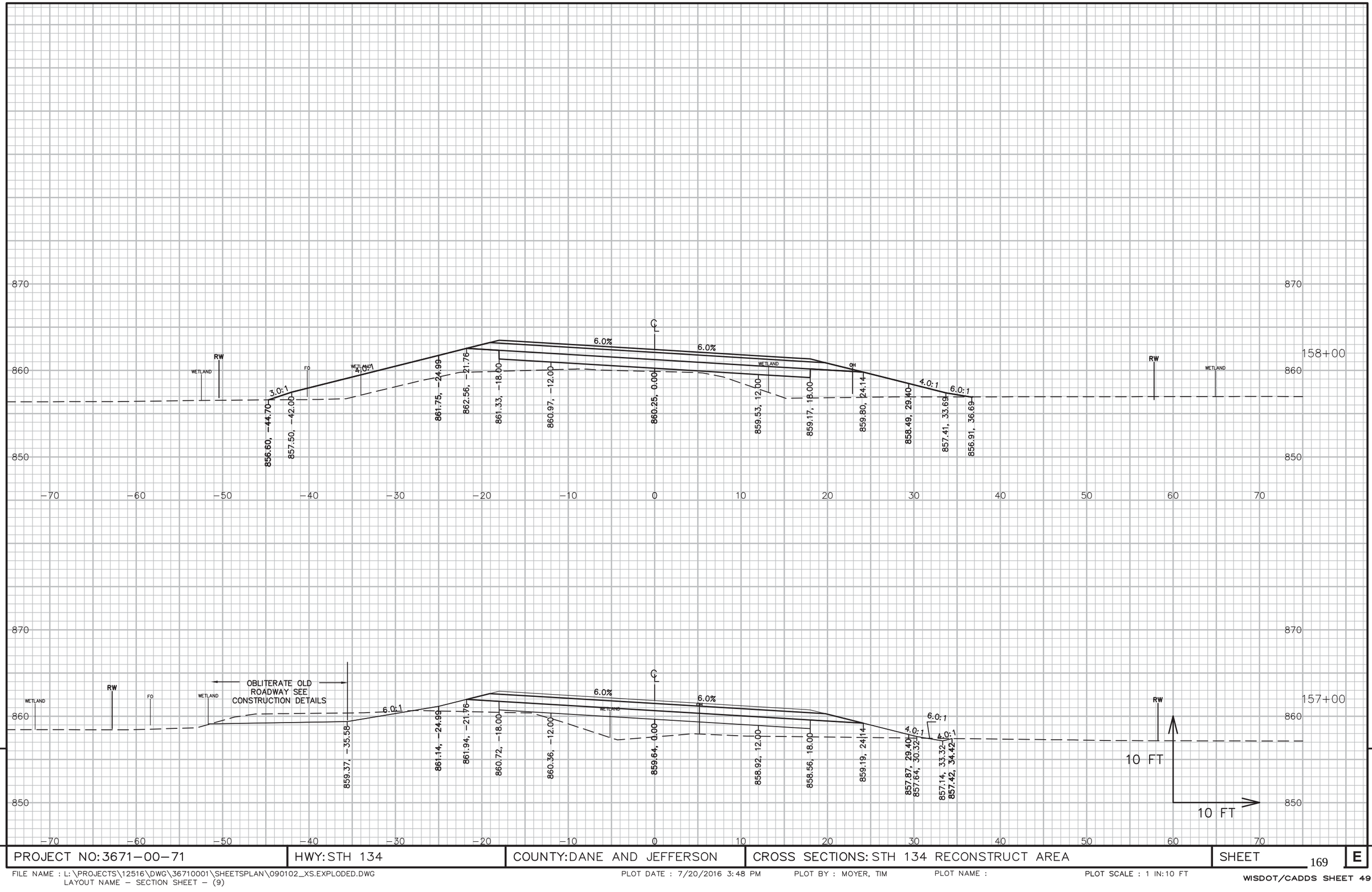
FILE NAME : L:\PROJECTS\12516\DWG\36710001\SHEETSPLAN\090102_XS.EXPLODED.DWG
LAYOUT NAME - SECTION SHEET - (7)

PLOT DATE : 7/20/2016 3:47 PM PLOT BY : MOYER, TIM PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



PROJECT NO: 3671-00-71	HWY: STH 134	COUNTY: DANE AND JEFFERSON	CROSS SECTIONS: STH 134 RECONSTRUCT AREA	SHEET 168	E



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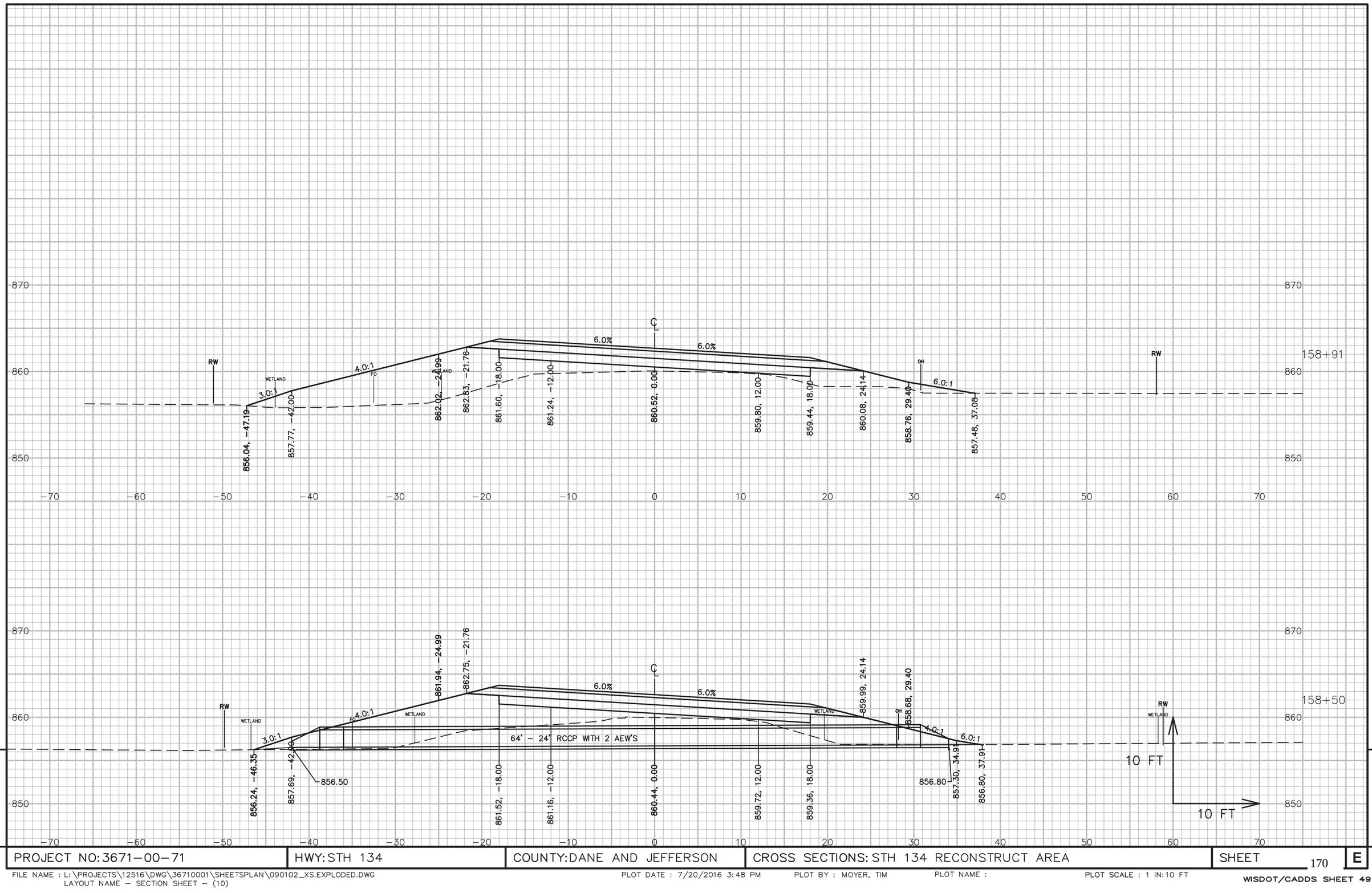
PROJECT NO: 3671-00-71	HWY: STH 134	COUNTY: DANE AND JEFFERSON	CROSS SECTIONS: STH 134 RECONSTRUCT AREA	SHEET 169	E

FILE NAME : L:\PROJECTS\12516\DWG\36710001\SHEETSPLAN\090102_XS.EXPLODED.DWG
LAYOUT NAME - SECTION SHEET - (9)

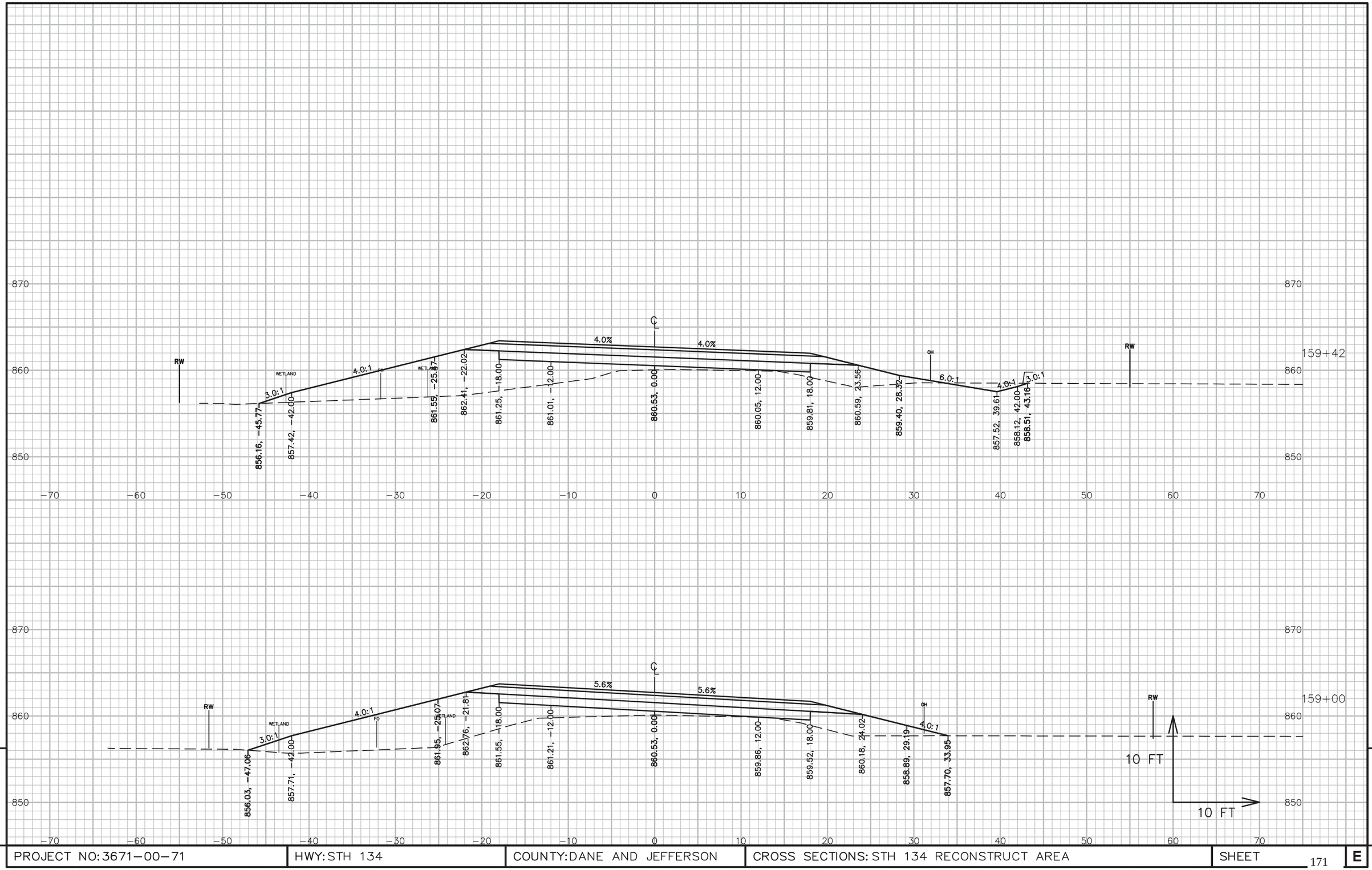
PLOT DATE : 7/20/2016 3:48 PM PLOT BY : MOYER, TIM PLOT NAME : PLOT SCALE : 1 IN:10 FT



PROJECT NO: 3671-00-71	HWY: STH 134	COUNTY: DANE AND JEFFERSON	CROSS SECTIONS: STH 134 RECONSTRUCT AREA	SHEET 170	E

FILE NAME : L:\PROJECTS\12516\DWG\36710001\SHEETSPLAN\090102_XS.EXPLODED.DWG
LAYOUT NAME - SECTION SHEET - (10)

PLOT DATE : 7/20/2016 3:48 PM PLOT BY : MOYER, TIM PLOT NAME : PLOT SCALE : 1 IN:10 FT



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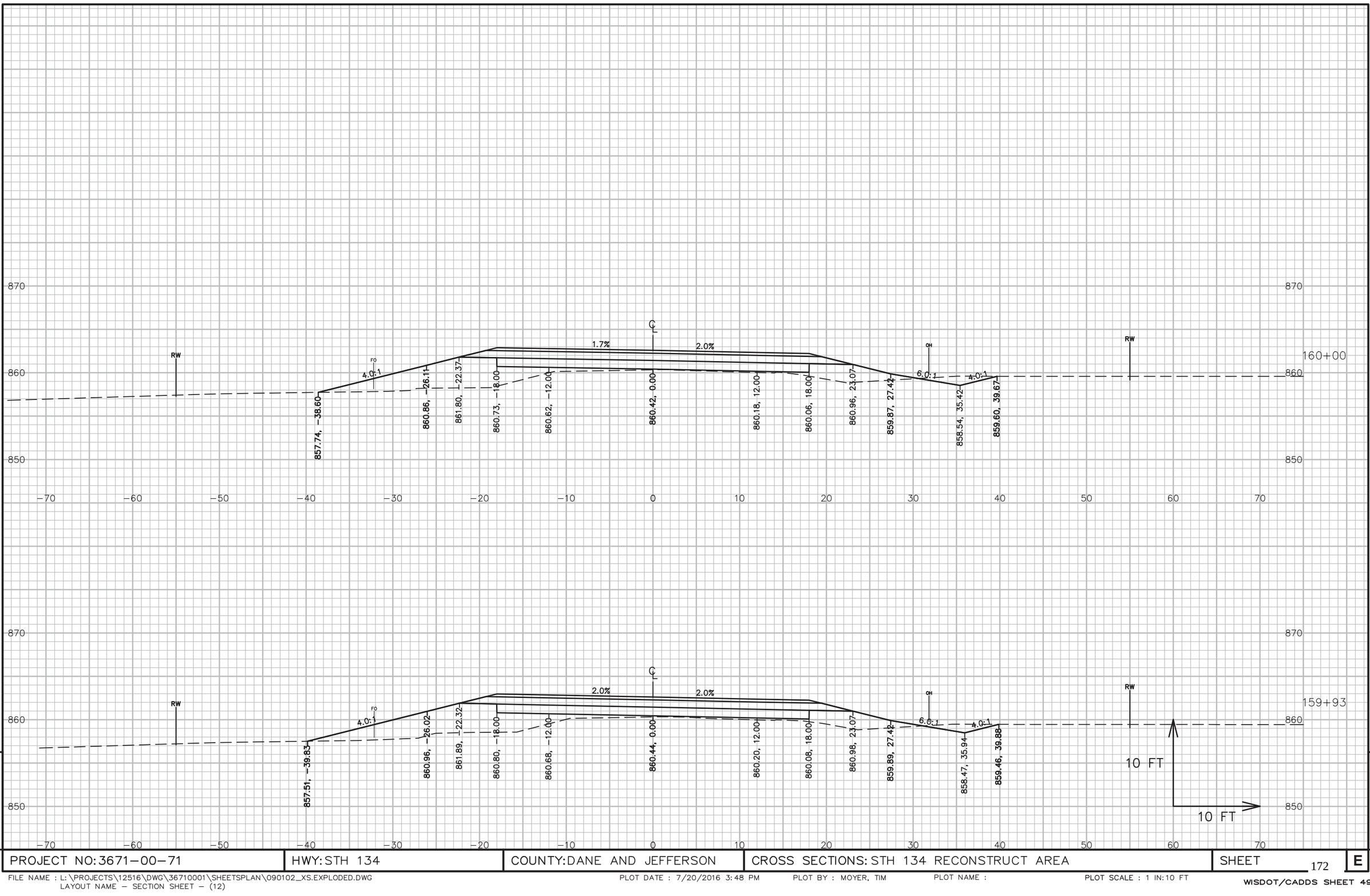
PROJECT NO: 3671−00−71	HWY: STH 134	COUNTY: DANE AND JEFFERSON	CROSS SECTIONS: STH 134 RECONSTRUCT AREA	SHEET 171	E

FILE NAME : L:\PROJECTS\12516\DWG\36710001\SHEETSPLAN\090102_XS.EXPLODED.DWG
LAYOUT NAME − SECTION SHEET − (11)

PLOT DATE : 7/20/2016 3:48 PM PLOT BY : MOYER, TIM PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



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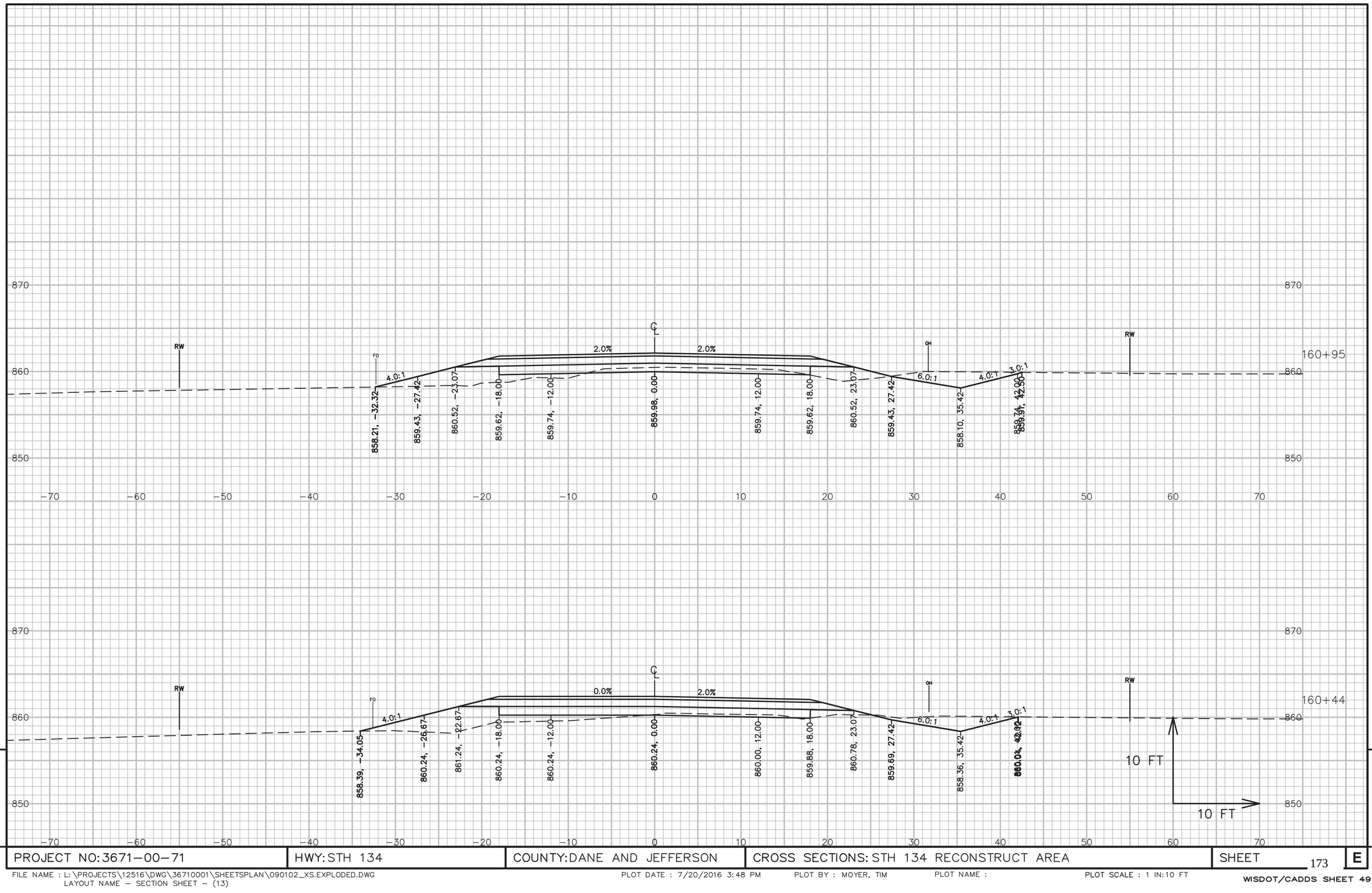
PROJECT NO: 3671-00-71	HWY: STH 134	COUNTY: DANE AND JEFFERSON	CROSS SECTIONS: STH 134 RECONSTRUCT AREA	SHEET 172	E

FILE NAME : L:\PROJECTS\12516\DWG\36710001\SHEETSPLAN\090102_XS.EXPLODED.DWG
LAYOUT NAME - SECTION SHEET - (12)

PLOT DATE : 7/20/2016 3:48 PM PLOT BY : MOYER, TIM PLOT NAME : PLOT SCALE : 1 IN:10 FT



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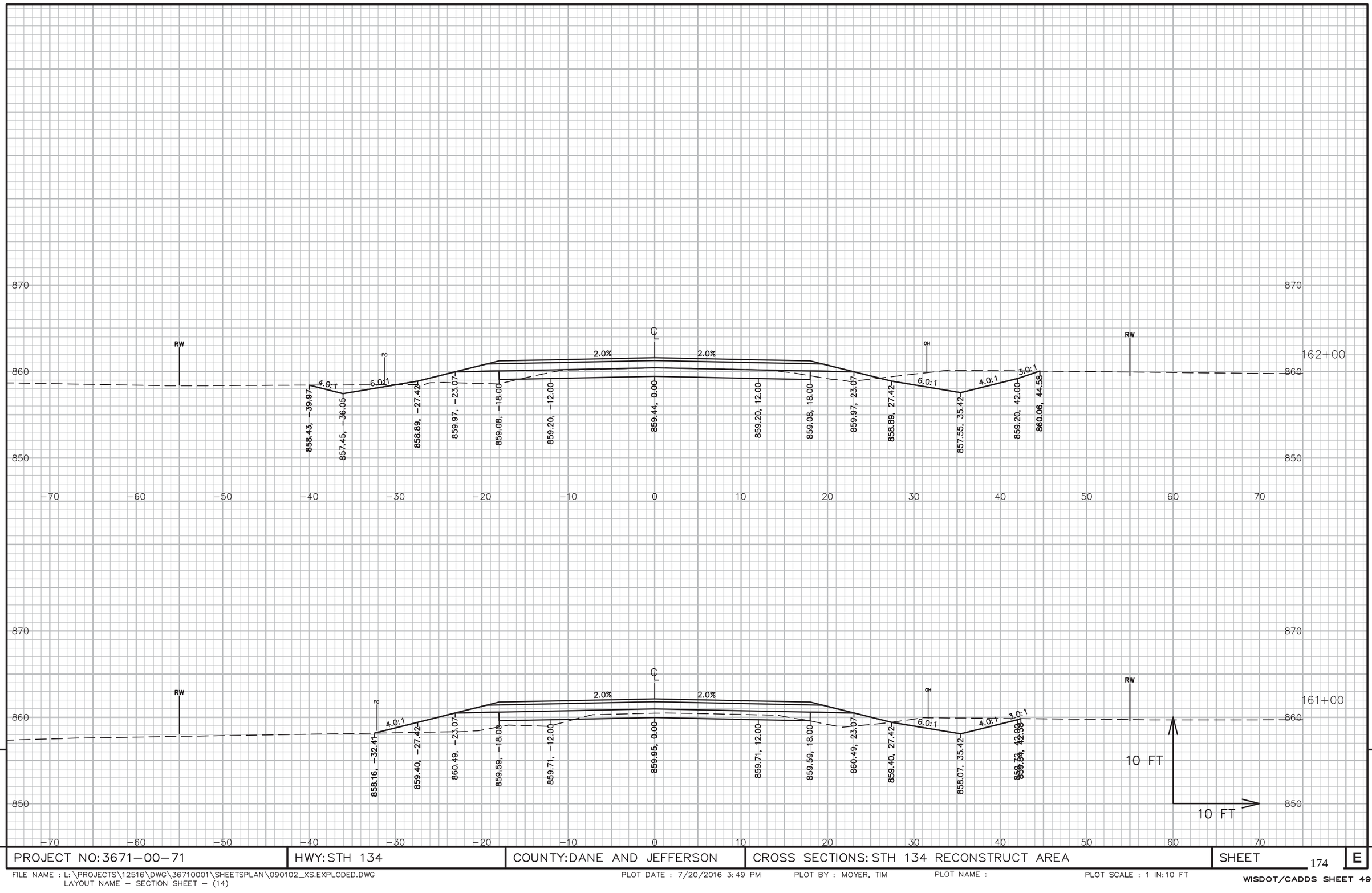
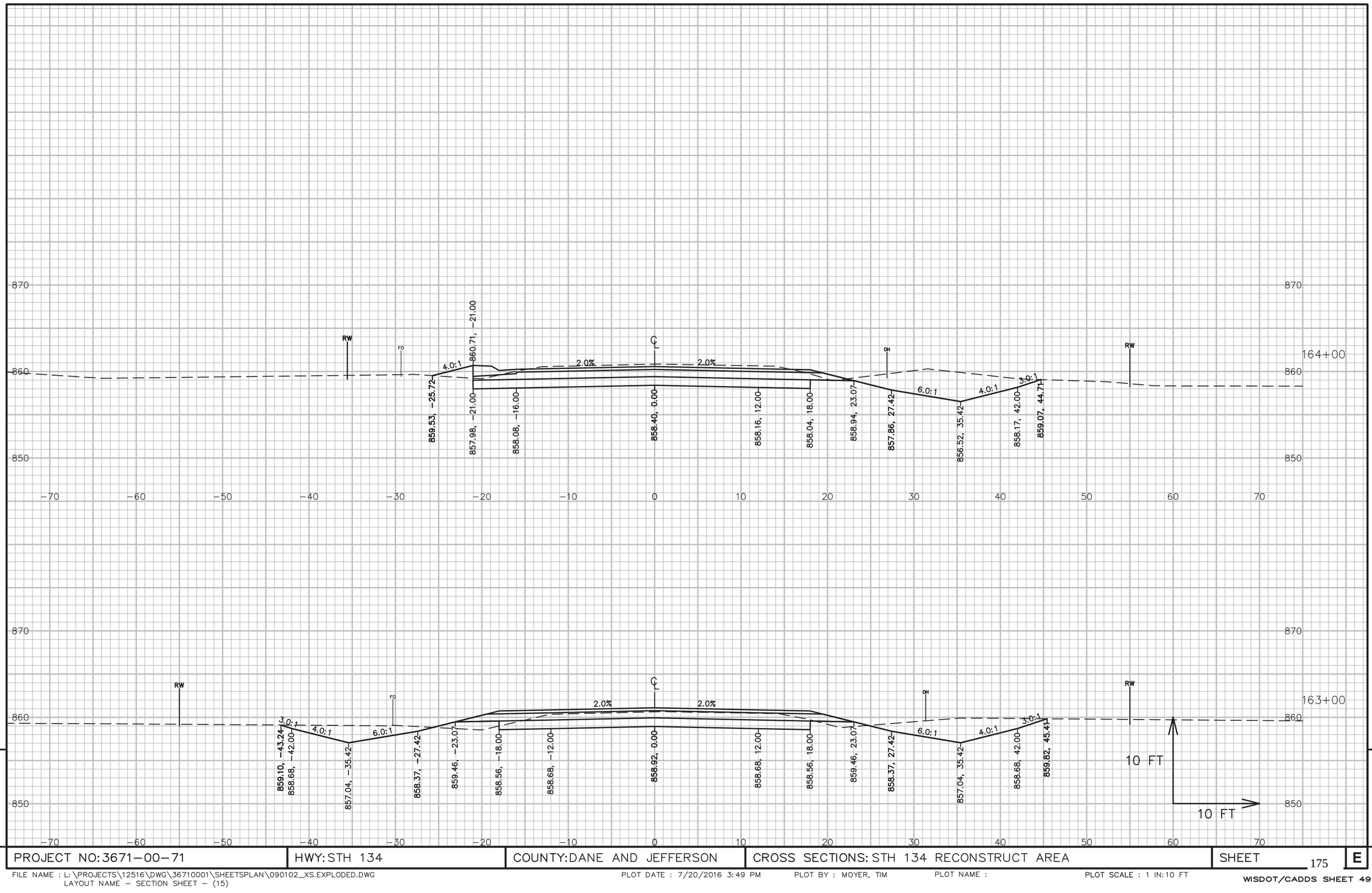
PROJECT NO: 3671-00-71	HWY: STH 134	COUNTY: DANE AND JEFFERSON	CROSS SECTIONS: STH 134 RECONSTRUCT AREA	SHEET 173	E

FILE NAME : L:\PROJECTS\12516\DWG\36710001\SHEETSPLAN\090102_XS.EXPLODED.DWG
LAYOUT NAME - SECTION SHEET - (13)

PLOT DATE : 7/20/2016 3:48 PM PLOT BY : MOYER, TIM PLOT NAME : PLOT SCALE : 1 IN:10 FT



PROJECT NO: 3671-00-71	HWY: STH 134	COUNTY: DANE AND JEFFERSON	CROSS SECTIONS: STH 134 RECONSTRUCT AREA	SHEET 174	E

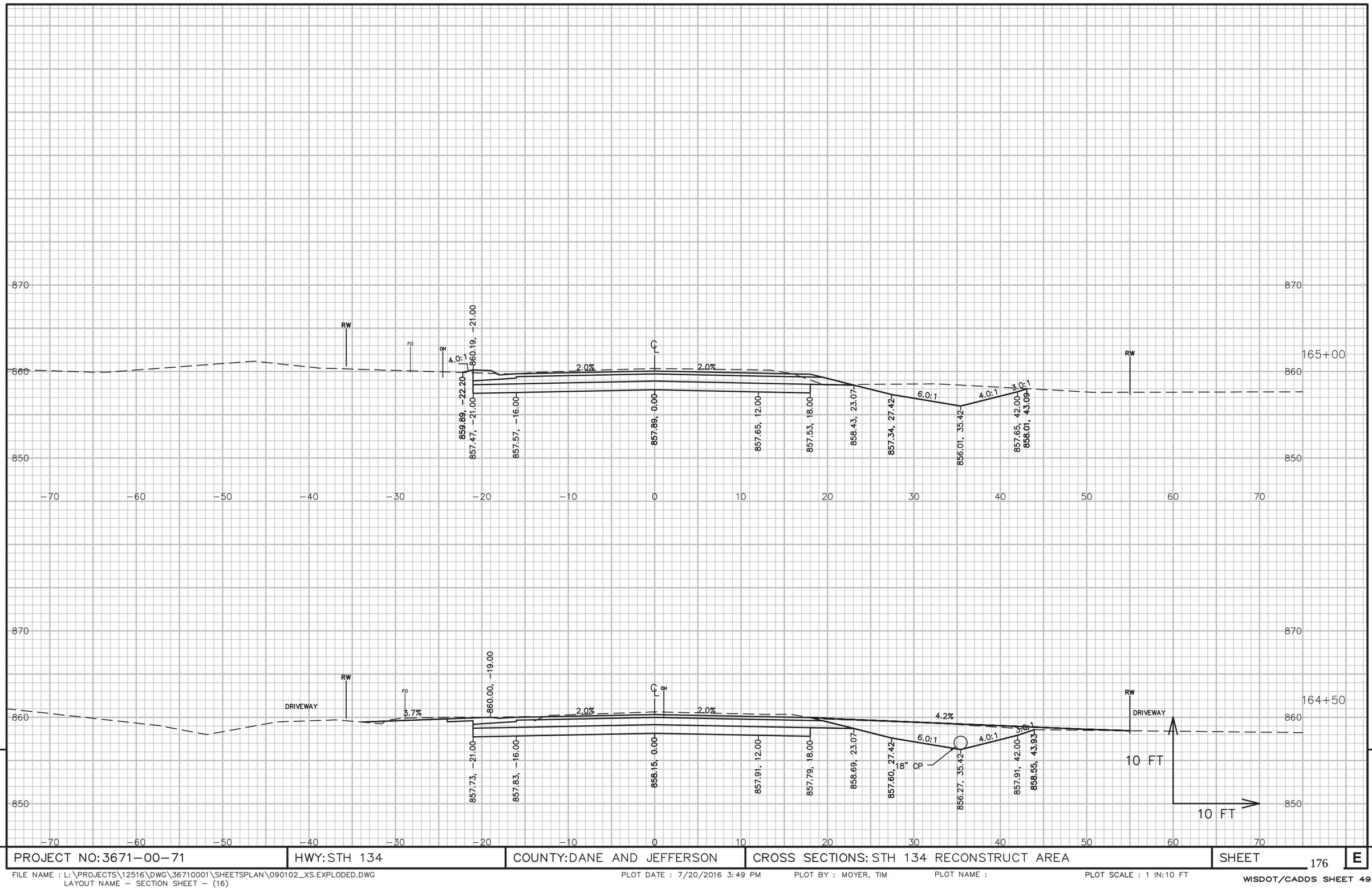


PROJECT NO: 3671−00−71	HWY: STH 134	COUNTY: DANE AND JEFFERSON	CROSS SECTIONS: STH 134 RECONSTRUCT AREA	SHEET 175	E

FILE NAME : L:\PROJECTS\12516\DWG\36710001\SHEETSPLAN\090102_XS.EXPLODED.DWG
LAYOUT NAME − SECTION SHEET − (15)

PLOT DATE : 7/20/2016 3:49 PM PLOT BY : MOYER, TIM PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



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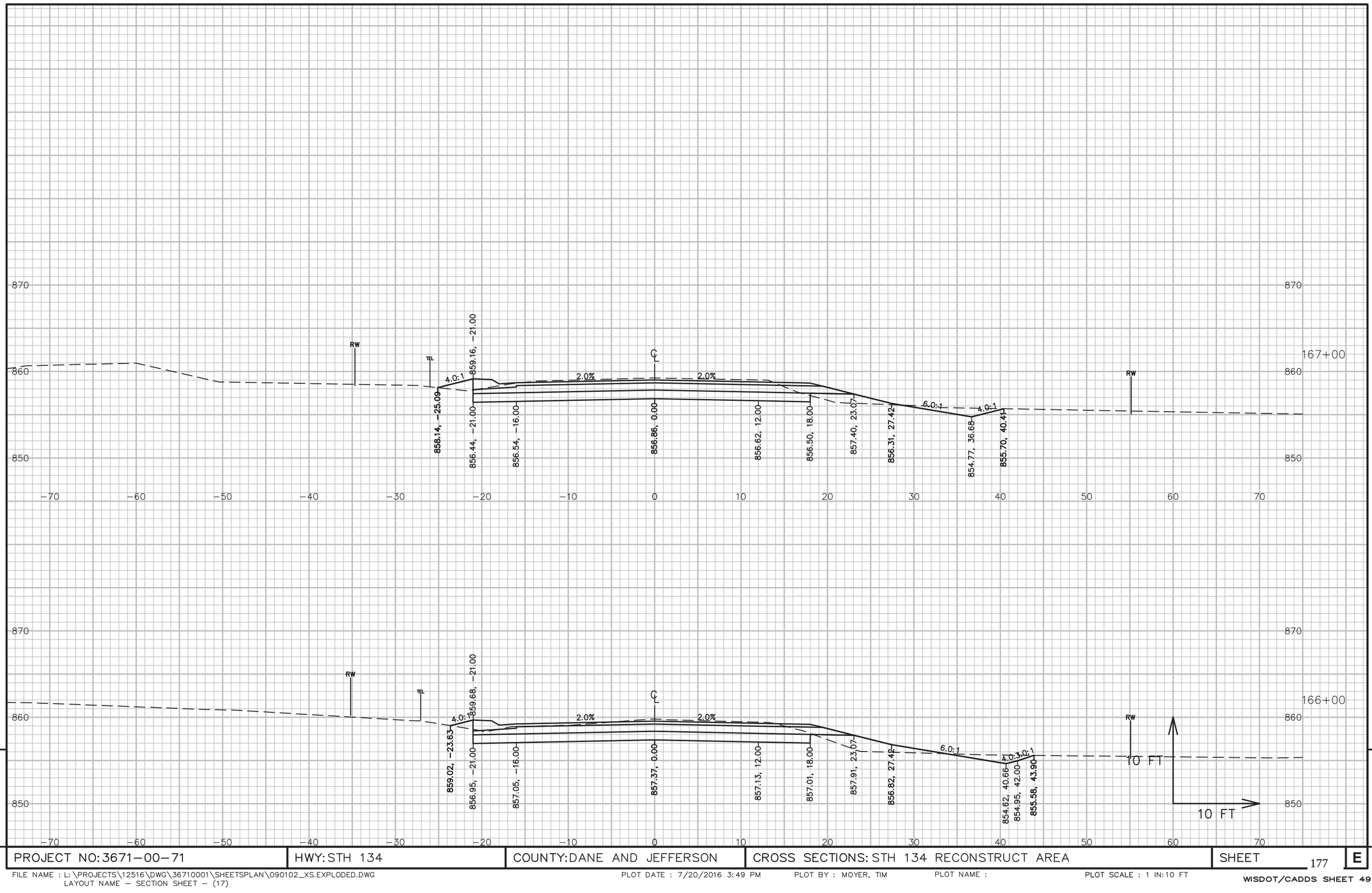
PROJECT NO: 3671−00−71	HWY: STH 134	COUNTY: DANE AND JEFFERSON	CROSS SECTIONS: STH 134 RECONSTRUCT AREA	SHEET 176	E

FILE NAME : L:\PROJECTS\12516\DWG\36710001\SHEETSPLAN\090102_XS.EXPLODED.DWG
LAYOUT NAME − SECTION SHEET − (16)

PLOT DATE : 7/20/2016 3:49 PM PLOT BY : MOYER, TIM PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49

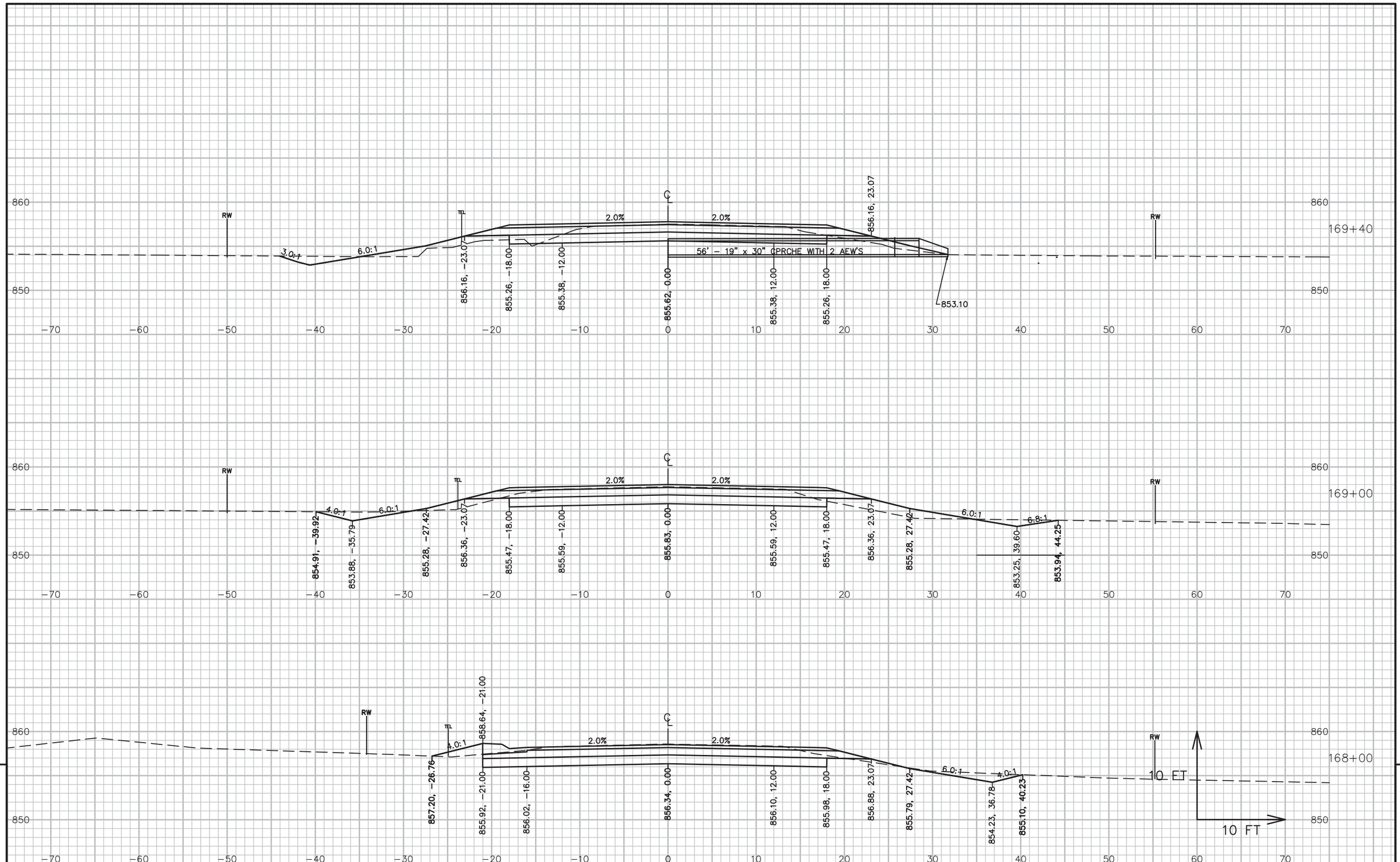


PROJECT NO: 3671-00-71	HWY: STH 134	COUNTY: DANE AND JEFFERSON	CROSS SECTIONS: STH 134 RECONSTRUCT AREA	SHEET 177	E

FILE NAME : L:\PROJECTS\12516\DWG\36710001\SHEETSPLAN\090102_XS.EXPLODED.DWG
LAYOUT NAME - SECTION SHEET - (17)

PLOT DATE : 7/20/2016 3:49 PM PLOT BY : MOYER, TIM PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



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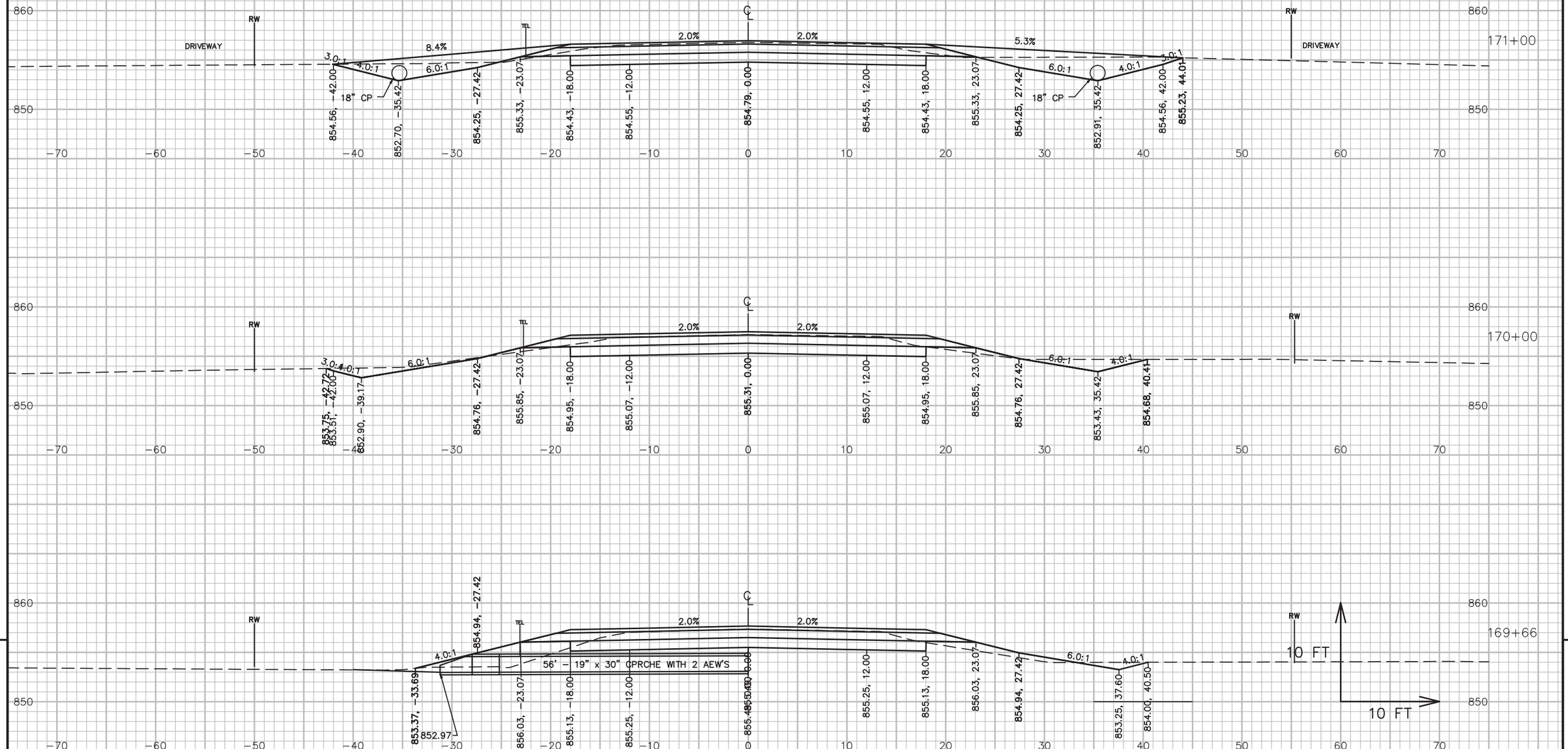
PROJECT NO: 3671-00-71	HWY: STH 134	COUNTY: DANE AND JEFFERSON	CROSS SECTIONS: STH 134 RECONSTRUCT AREA	SHEET 178	E

FILE NAME : L:\PROJECTS\12516\DWG\36710001\SHEETSPLAN\090102_XS.EXPLODED.DWG
LAYOUT NAME - SECTION SHEET - (18)

PLOT DATE : 7/20/2016 3:49 PM PLOT BY : MOYER, TIM PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49

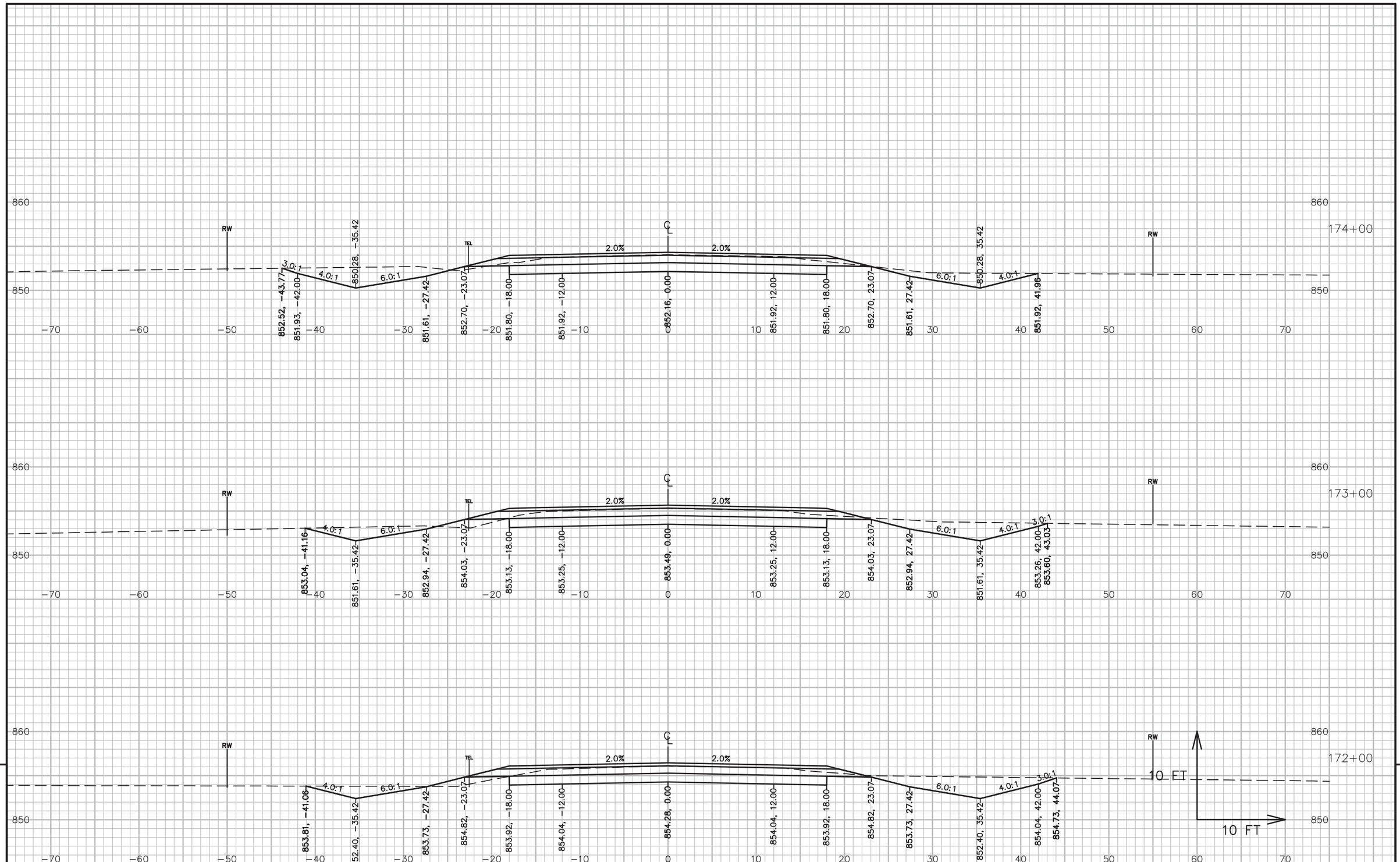


PROJECT NO: 3671-00-71	HWY: STH 134	COUNTY: DANE AND JEFFERSON	CROSS SECTIONS: STH 134 RECONSTRUCT AREA	SHEET 179	E

FILE NAME : L:\PROJECTS\12516\DWG\36710001\SHEETSPLAN\090102_XS.EXPLODED.DWG
LAYOUT NAME - SECTION SHEET - (19)

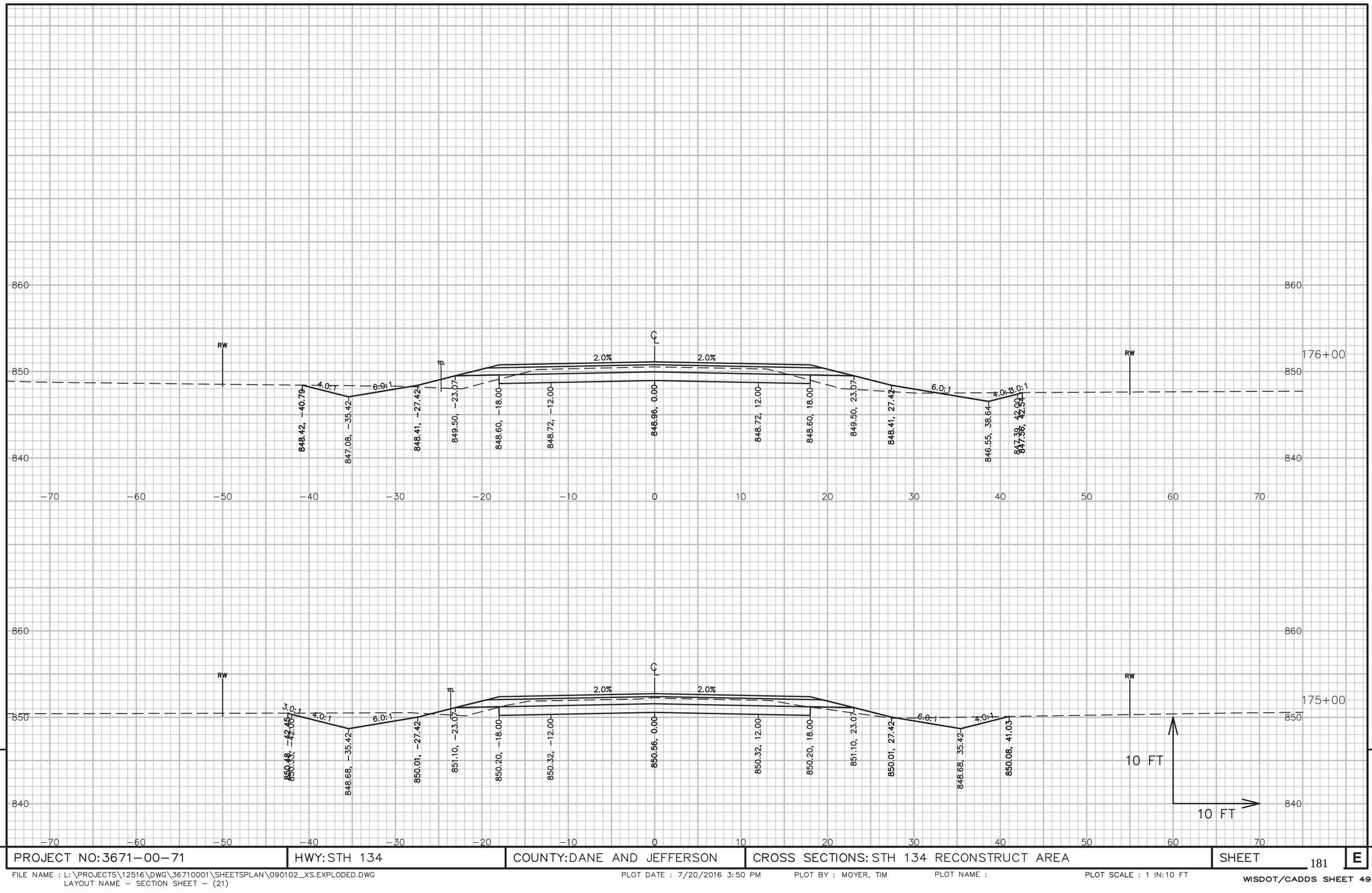
PLOT DATE : 7/20/2016 3:50 PM PLOT BY : MOYER, TIM PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



PROJECT NO: 3671-00-71	HWY: STH 134	COUNTY: DANE AND JEFFERSON	CROSS SECTIONS: STH 134 RECONSTRUCT AREA	SHEET 180	E

FILE NAME : L:\PROJECTS\12516\DWG\36710001\SHEETSPLAN\090102_XS.EXPLODED.DWG
LAYOUT NAME - SECTION SHEET - (20)
PLOT DATE : 7/20/2016 3:50 PM PLOT BY : MOYER, TIM PLOT NAME : PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 49

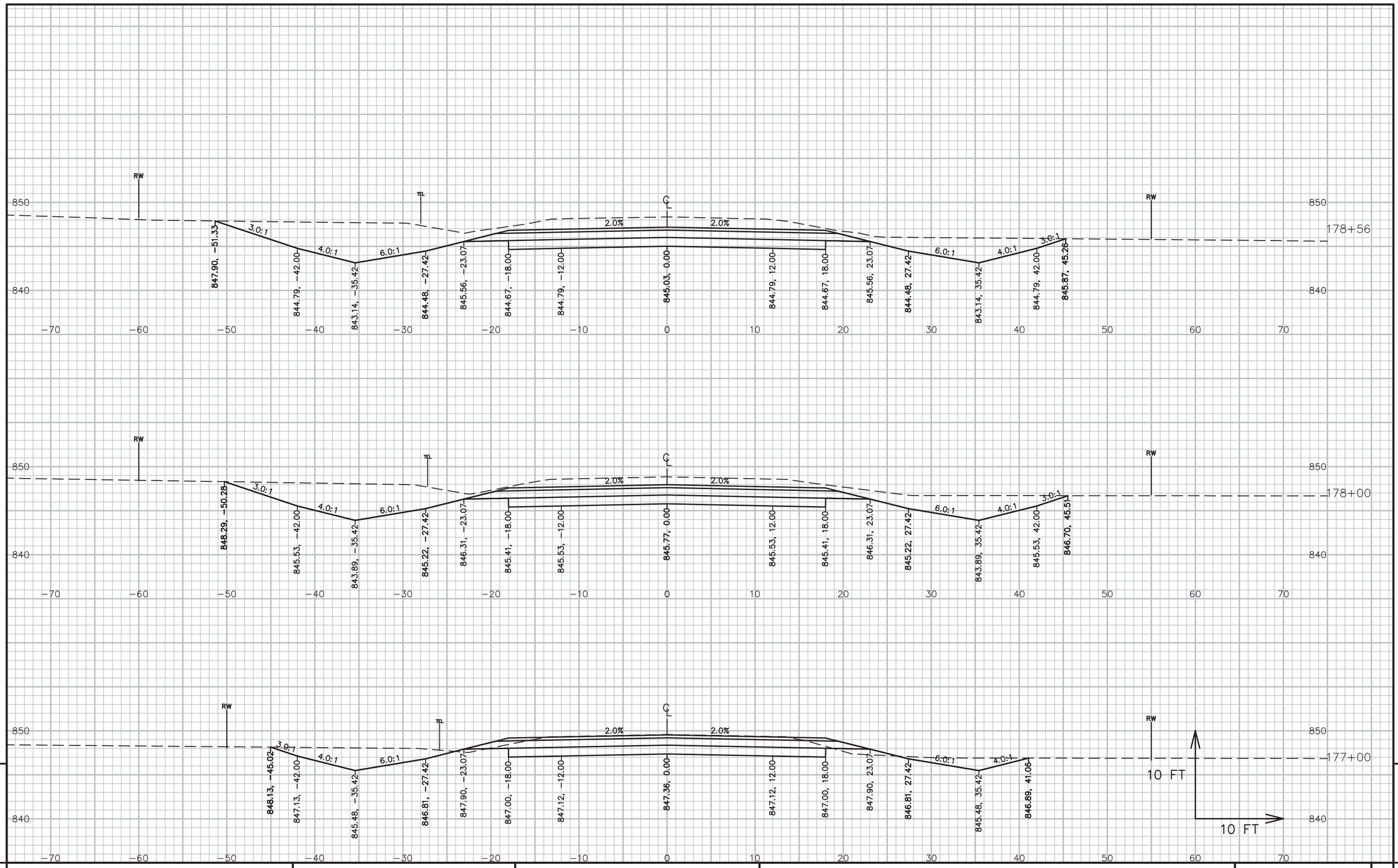


PROJECT NO: 3671−00−71	HWY: STH 134	COUNTY: DANE AND JEFFERSON	CROSS SECTIONS: STH 134 RECONSTRUCT AREA	SHEET 181	E

FILE NAME : L:\PROJECTS\12516\DWG\36710001\SHEETSPLAN\090102_XS.EXPLODED.DWG
LAYOUT NAME − SECTION SHEET − (21)

PLOT DATE : 7/20/2016 3:50 PM PLOT BY : MOYER, TIM PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



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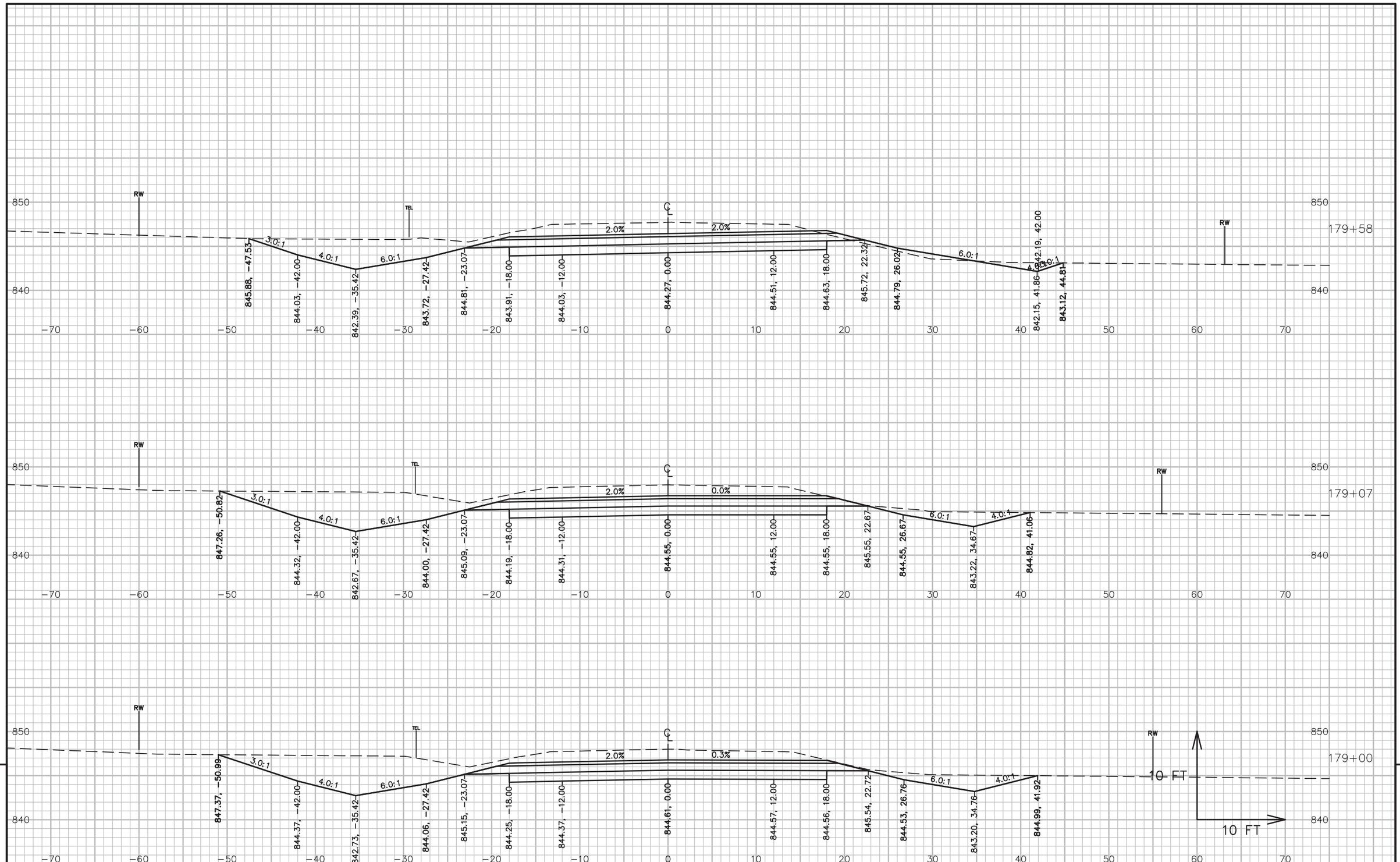
PROJECT NO: 3671-00-71	HWY: STH 134	COUNTY: DANE AND JEFFERSON	CROSS SECTIONS: STH 134 RECONSTRUCT AREA	SHEET 182	E

FILE NAME : L:\PROJECTS\12516\DWG\36710001\SHEETSPLAN\090102_XS.EXPLODED.DWG
LAYOUT NAME - SECTION SHEET - (22)

PLOT DATE : 7/20/2016 3:50 PM PLOT BY : MOYER, TIM PLOT NAME : PLOT SCALE : 1 IN:10 FT



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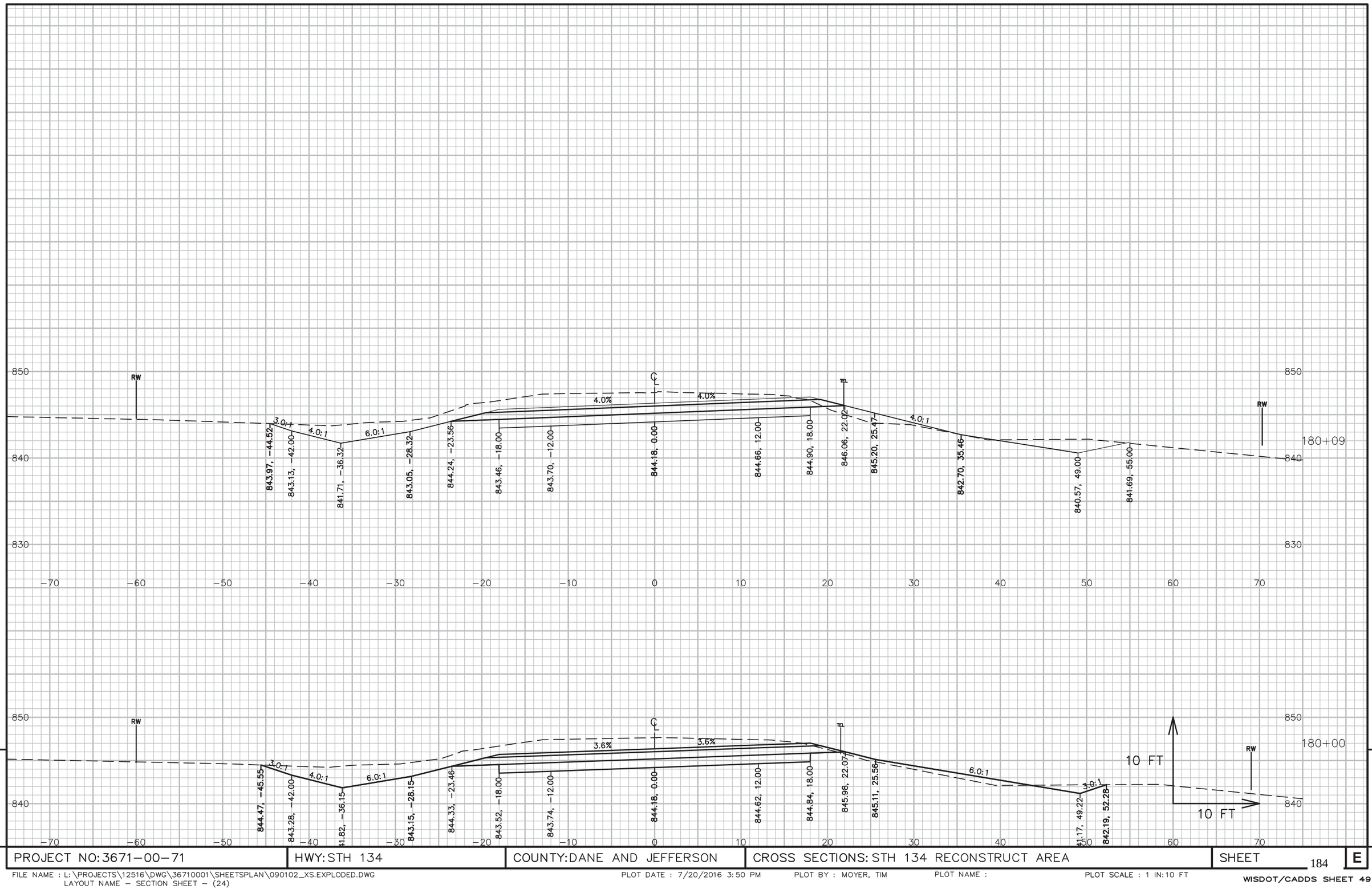
PROJECT NO: 3671−00−71	HWY: STH 134	COUNTY: DANE AND JEFFERSON	CROSS SECTIONS: STH 134 RECONSTRUCT AREA	SHEET 183	E

FILE NAME : L:\PROJECTS\12516\DWG\36710001\SHEETSPLAN\090102_XS.EXPLODED.DWG
LAYOUT NAME − SECTION SHEET − (23)
PLOT DATE : 7/20/2016 3:50 PM
PLOT BY : MOYER, TIM
PLOT NAME :
PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 49



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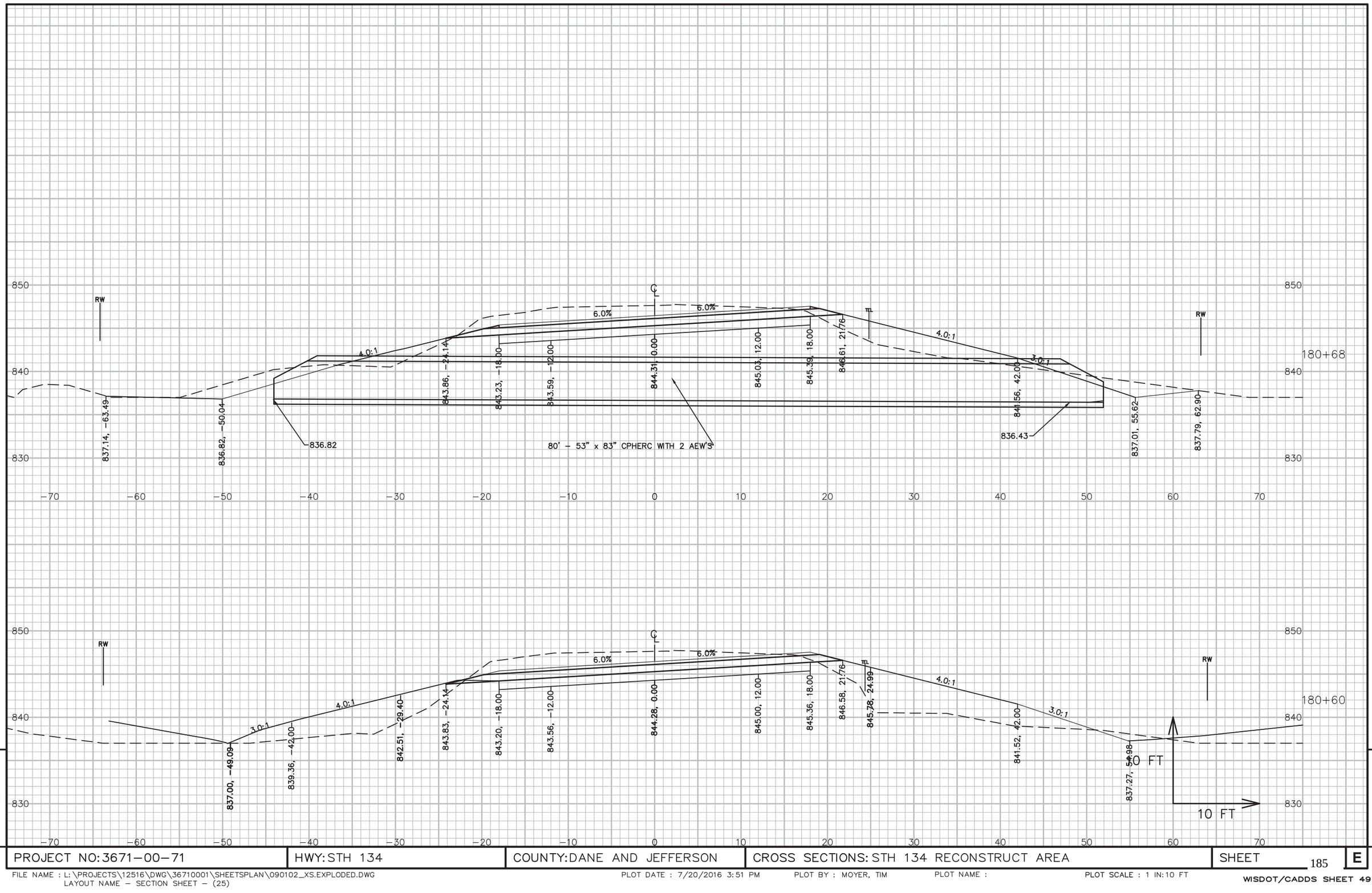
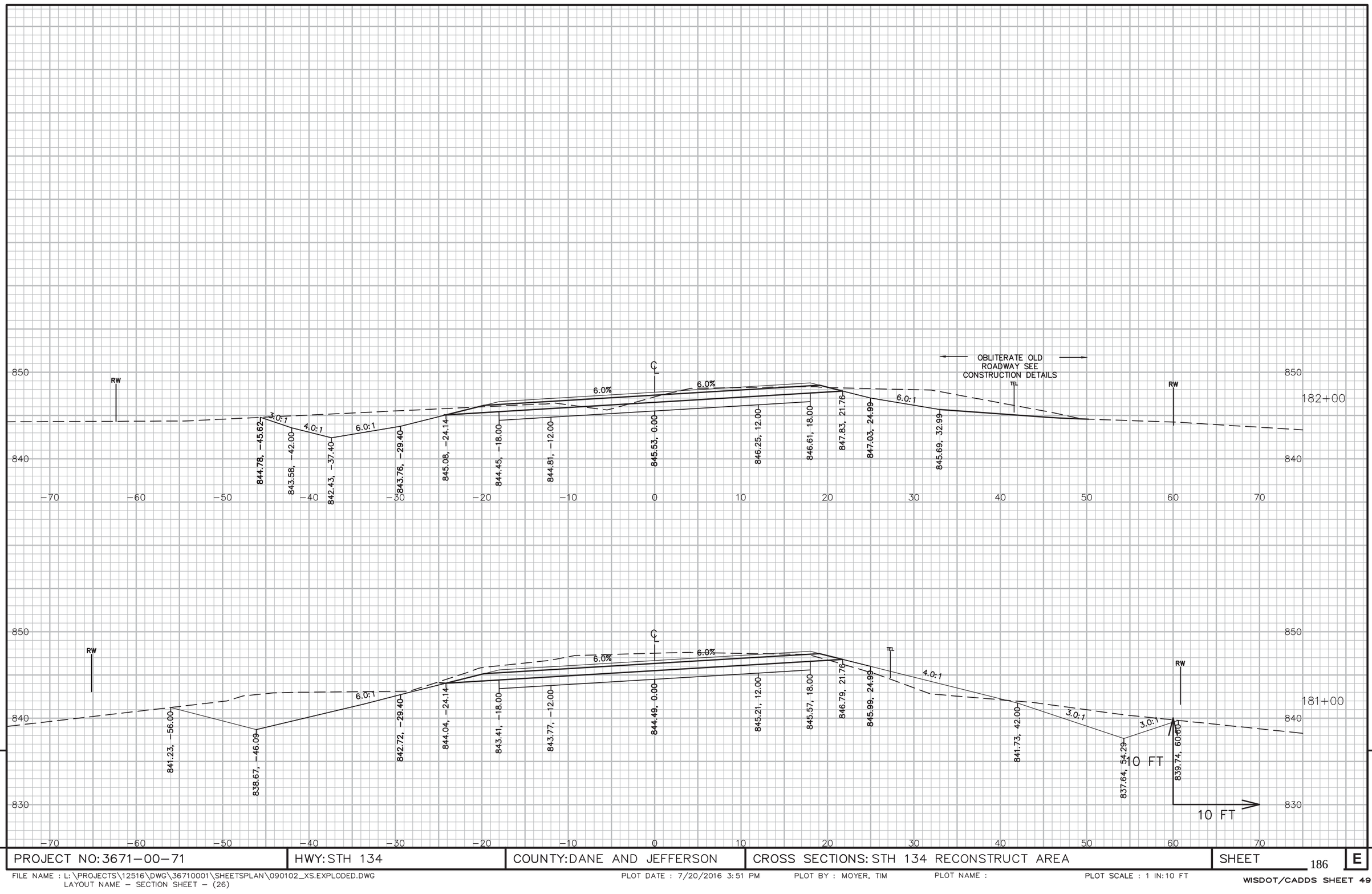
PROJECT NO: 3671-00-71	HWY: STH 134	COUNTY: DANE AND JEFFERSON	CROSS SECTIONS: STH 134 RECONSTRUCT AREA	SHEET 184	E



PROJECT NO: 3671−00−71	HWY: STH 134	COUNTY: DANE AND JEFFERSON	CROSS SECTIONS: STH 134 RECONSTRUCT AREA	SHEET 185	E

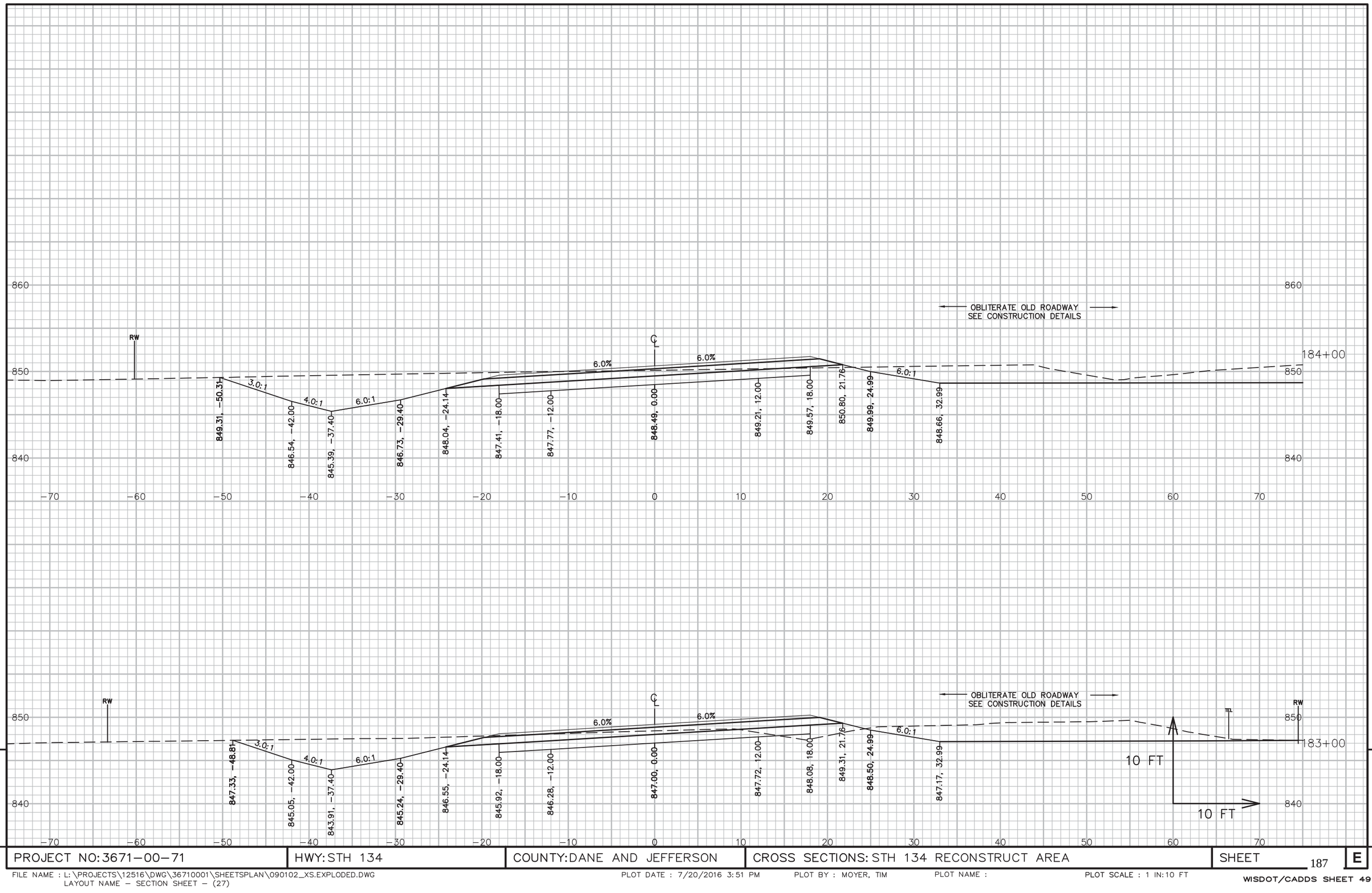


PROJECT NO: 3671-00-71	HWY: STH 134	COUNTY: DANE AND JEFFERSON	CROSS SECTIONS: STH 134 RECONSTRUCT AREA	SHEET 186	E

FILE NAME : L:\PROJECTS\12516\DWG\36710001\SHEETSPLAN\090102_XS.EXPLODED.DWG
LAYOUT NAME - SECTION SHEET - (26)

PLOT DATE : 7/20/2016 3:51 PM PLOT BY : MOYER, TIM PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



9

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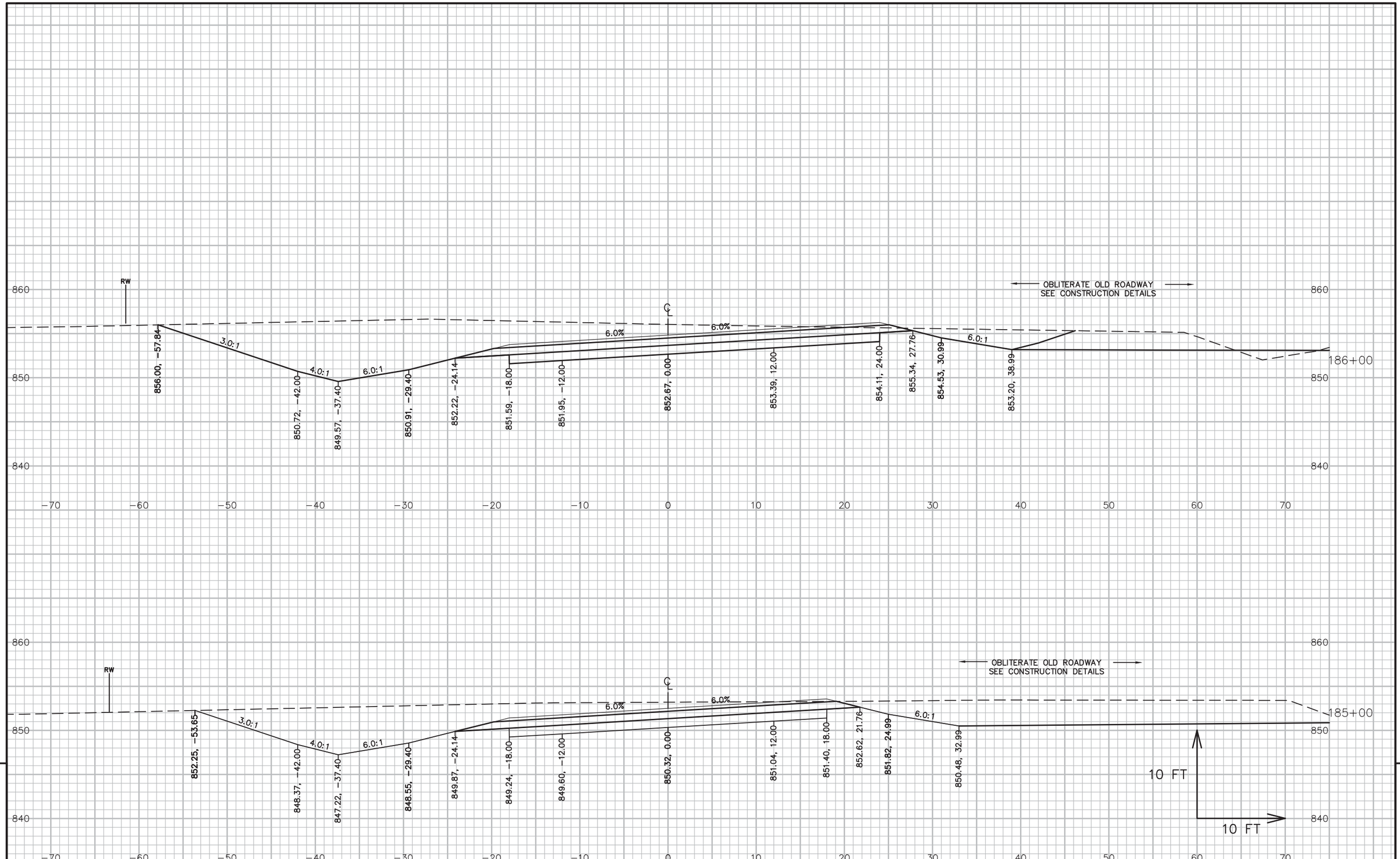
PROJECT NO: 3671-00-71	HWY: STH 134	COUNTY: DANE AND JEFFERSON	CROSS SECTIONS: STH 134 RECONSTRUCT AREA	SHEET 187	E

FILE NAME : L:\PROJECTS\12516\DWG\36710001\SHEETSPLAN\090102_XS.EXPLODED.DWG
LAYOUT NAME - SECTION SHEET - (27)

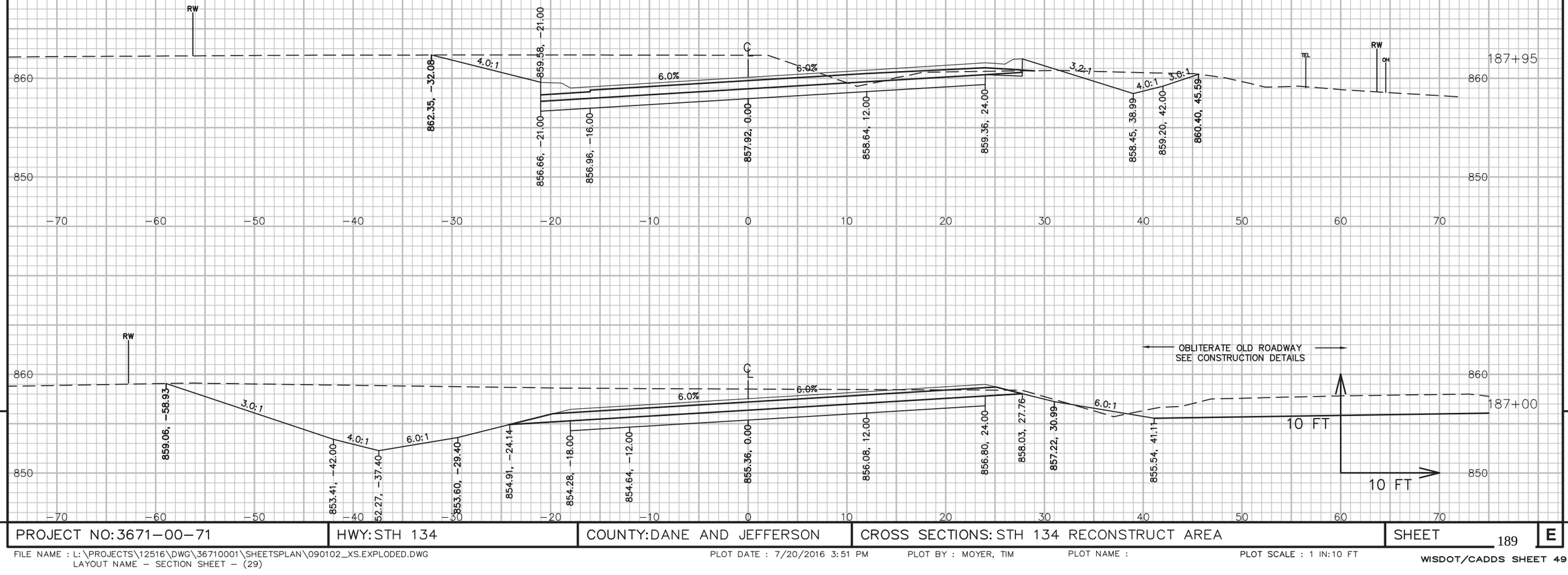
PLOT DATE : 7/20/2016 3:51 PM PLOT BY : MOYER, TIM PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



PROJECT NO: 3671-00-71	HWY: STH 134	COUNTY: DANE AND JEFFERSON	CROSS SECTIONS: STH 134 RECONSTRUCT AREA	SHEET 188	E

FILE NAME : L:\PROJECTS\12516\DWG\36710001\SHEETSPLAN\090102_XS.EXPLODED.DWG
LAYOUT NAME - SECTION SHEET - (28)
PLOT DATE : 7/20/2016 3:51 PM PLOT BY : MOYER, TIM PLOT NAME : PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 49



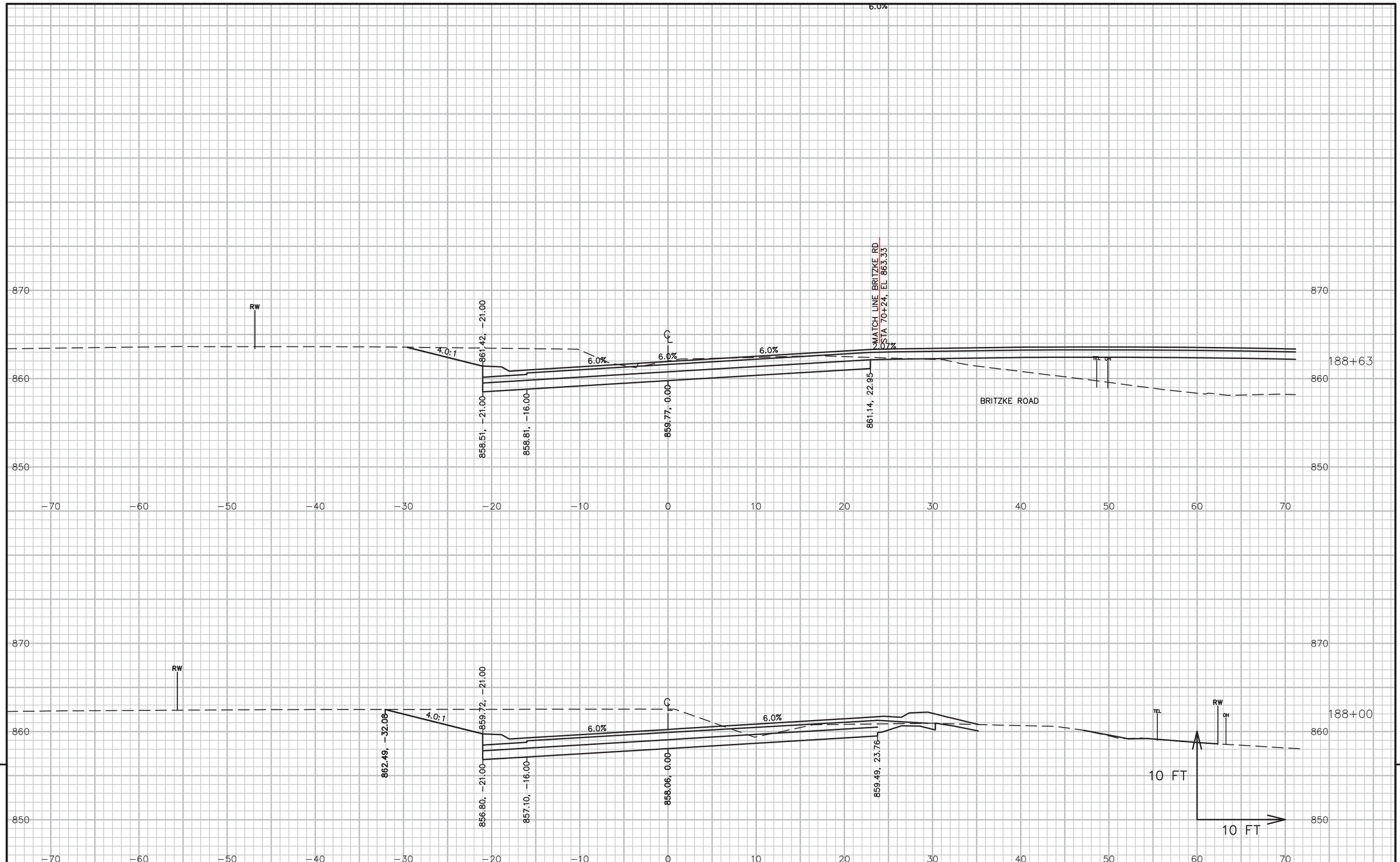
9 9

PROJECT NO: 3671-00-71	HWY: STH 134	COUNTY: DANE AND JEFFERSON	CROSS SECTIONS: STH 134 RECONSTRUCT AREA	SHEET 189	E

FILE NAME : L:\PROJECTS\12516\DWG\36710001\SHEETSPLAN\090102_XS.EXPLODED.DWG
LAYOUT NAME - SECTION SHEET - (29)

PLOT DATE : 7/20/2016 3:51 PM PLOT BY : MOYER, TIM PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



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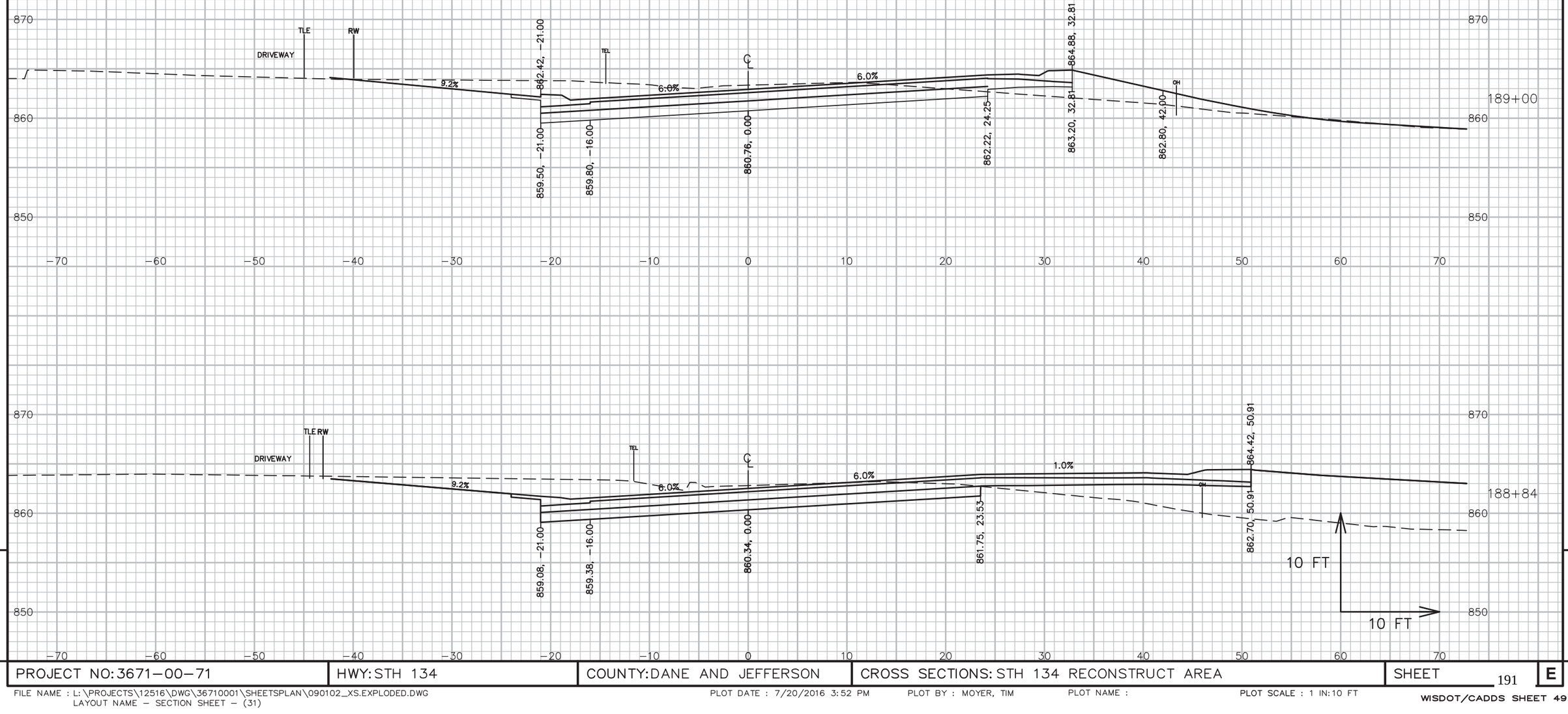
PROJECT NO: 3671-00-71	HWY: STH 134	COUNTY: DANE AND JEFFERSON	CROSS SECTIONS: STH 134 RECONSTRUCT AREA	SHEET 190 E

9

FILE NAME : L:\PROJECTS\12516\DWG\36710001\SHEETSPLAN\090102_XS.EXPLODED.DWG
LAYOUT NAME - SECTION SHEET - (30)

PLOT DATE : 7/20/2016 3:52 PM PLOT BY : MOYER, TIM PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49

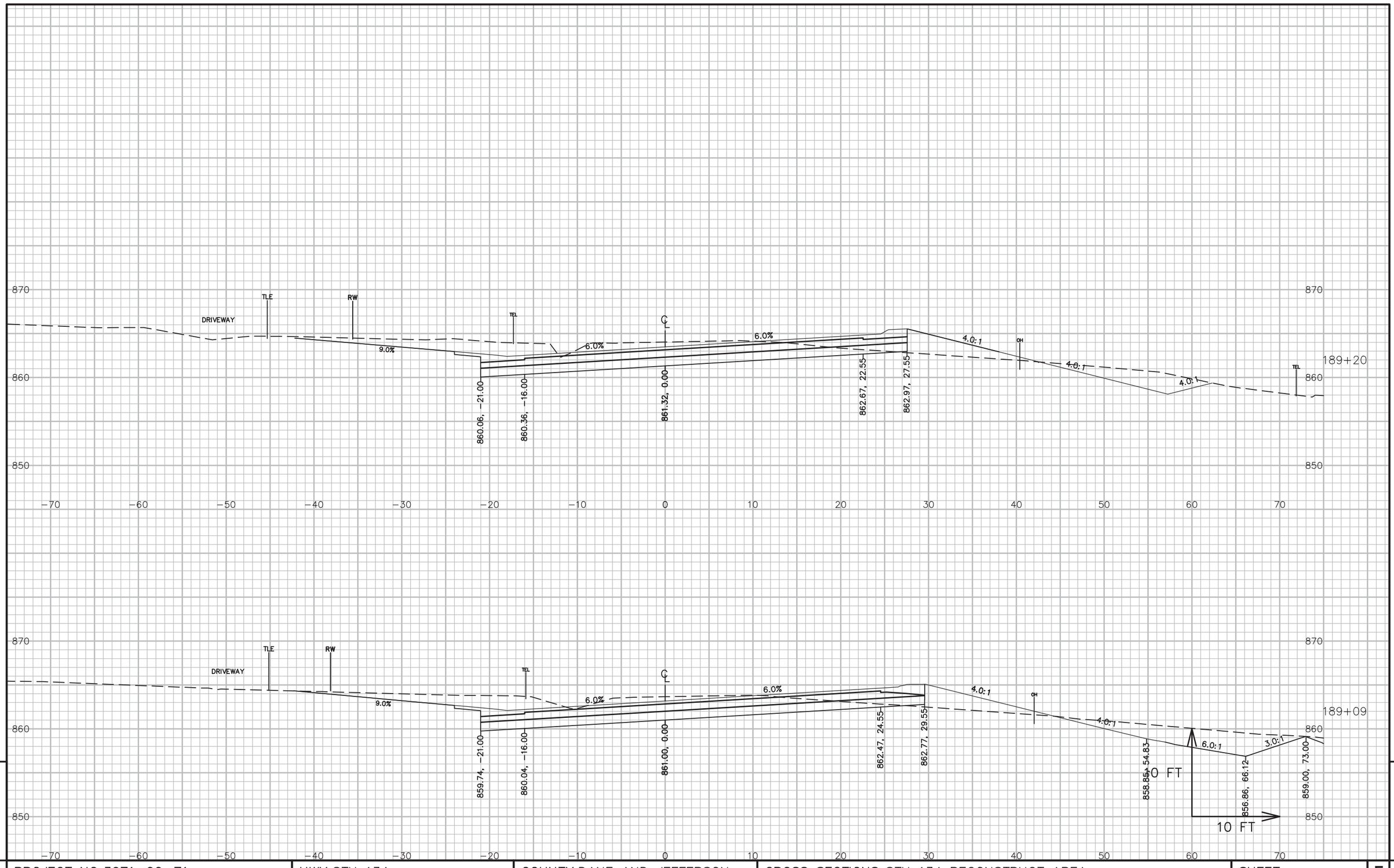


PROJECT NO: 3671-00-71	HWY: STH 134	COUNTY: DANE AND JEFFERSON	CROSS SECTIONS: STH 134 RECONSTRUCT AREA	SHEET 191	E

FILE NAME : L:\PROJECTS\12516\DWG\36710001\SHEETSPLAN\090102_XS.EXPLODED.DWG
LAYOUT NAME - SECTION SHEET - (31)

PLOT DATE : 7/20/2016 3:52 PM PLOT BY : MOYER, TIM PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49

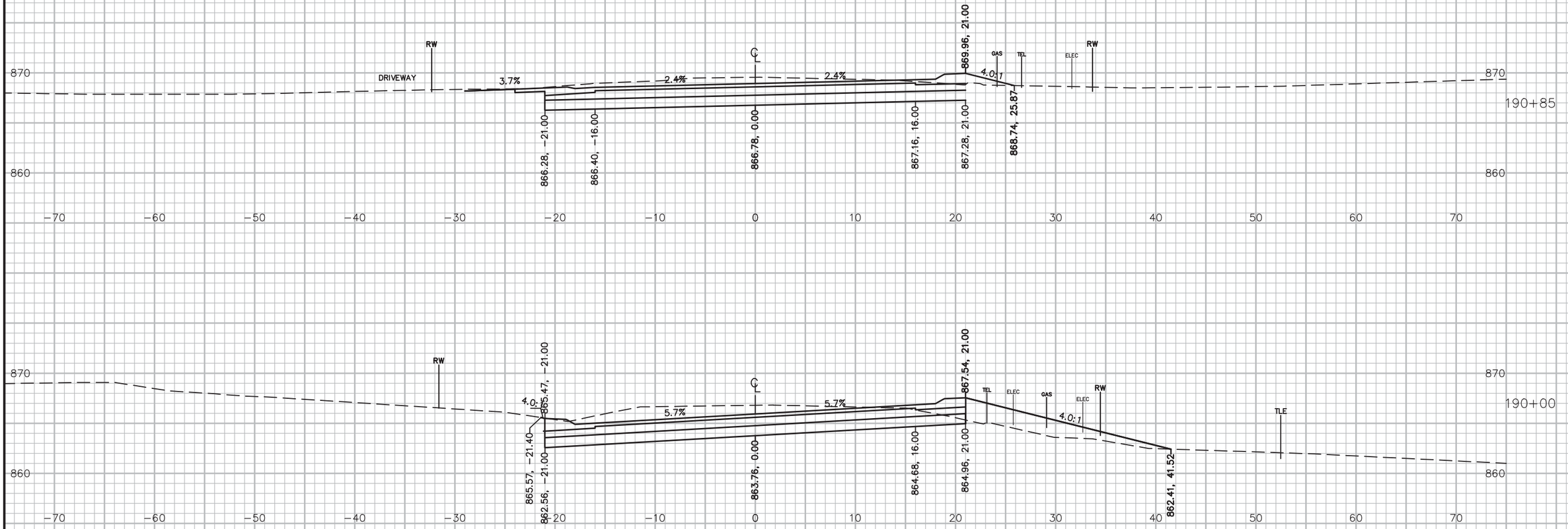


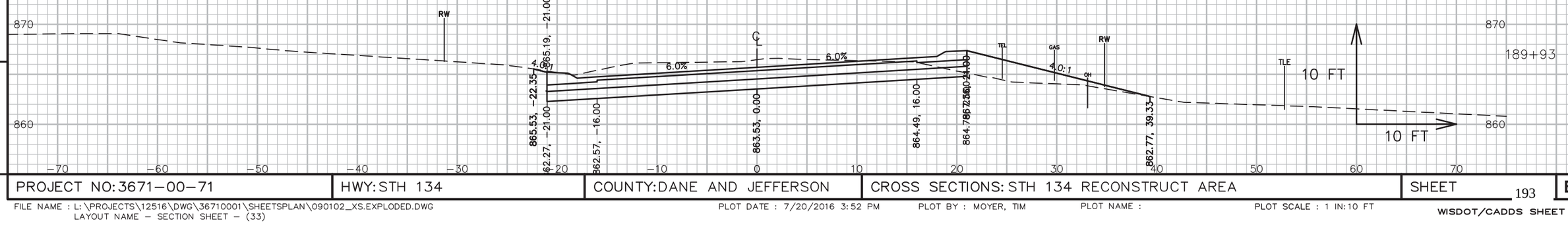
PROJECT NO: 3671-00-71	HWY: STH 134	COUNTY: DANE AND JEFFERSON	CROSS SECTIONS: STH 134 RECONSTRUCT AREA	SHEET 192	E

FILE NAME : L:\PROJECTS\12516\DWG\36710001\SHEETSPLAN\090102_XS.EXPLODED.DWG
LAYOUT NAME - SECTION SHEET - (32)

PLOT DATE : 7/20/2016 3:52 PM PLOT BY : MOYER, TIM PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49





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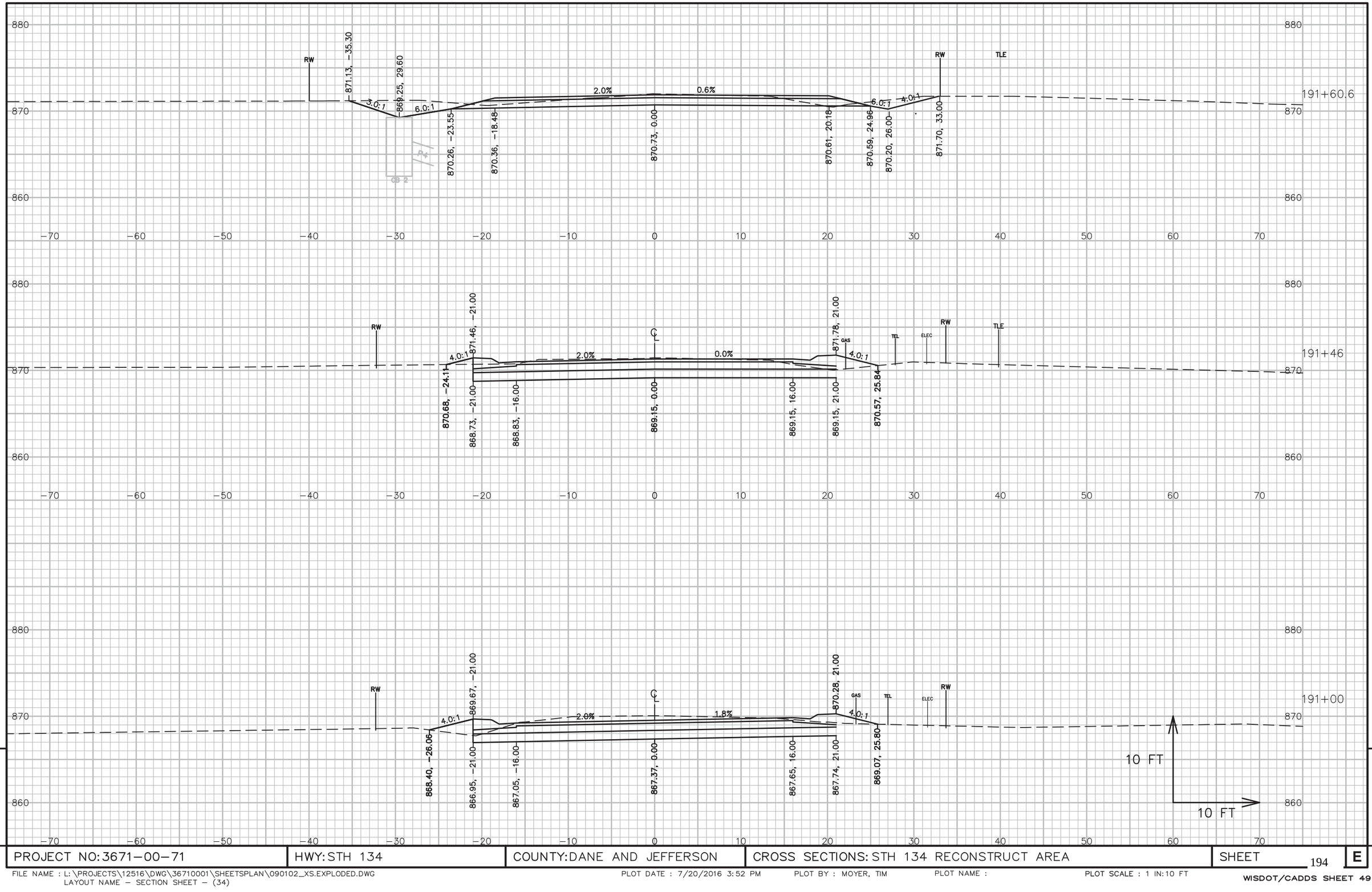
PROJECT NO: 3671-00-71	HWY: STH 134	COUNTY: DANE AND JEFFERSON	CROSS SECTIONS: STH 134 RECONSTRUCT AREA	SHEET 193	E

FILE NAME : L:\PROJECTS\12516\DWG\36710001\SHEETSPLAN\090102_XS.EXPLODED.DWG
LAYOUT NAME - SECTION SHEET - (33)
PLOT DATE : 7/20/2016 3:52 PM
PLOT BY : MOYER, TIM
PLOT NAME :
PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 49

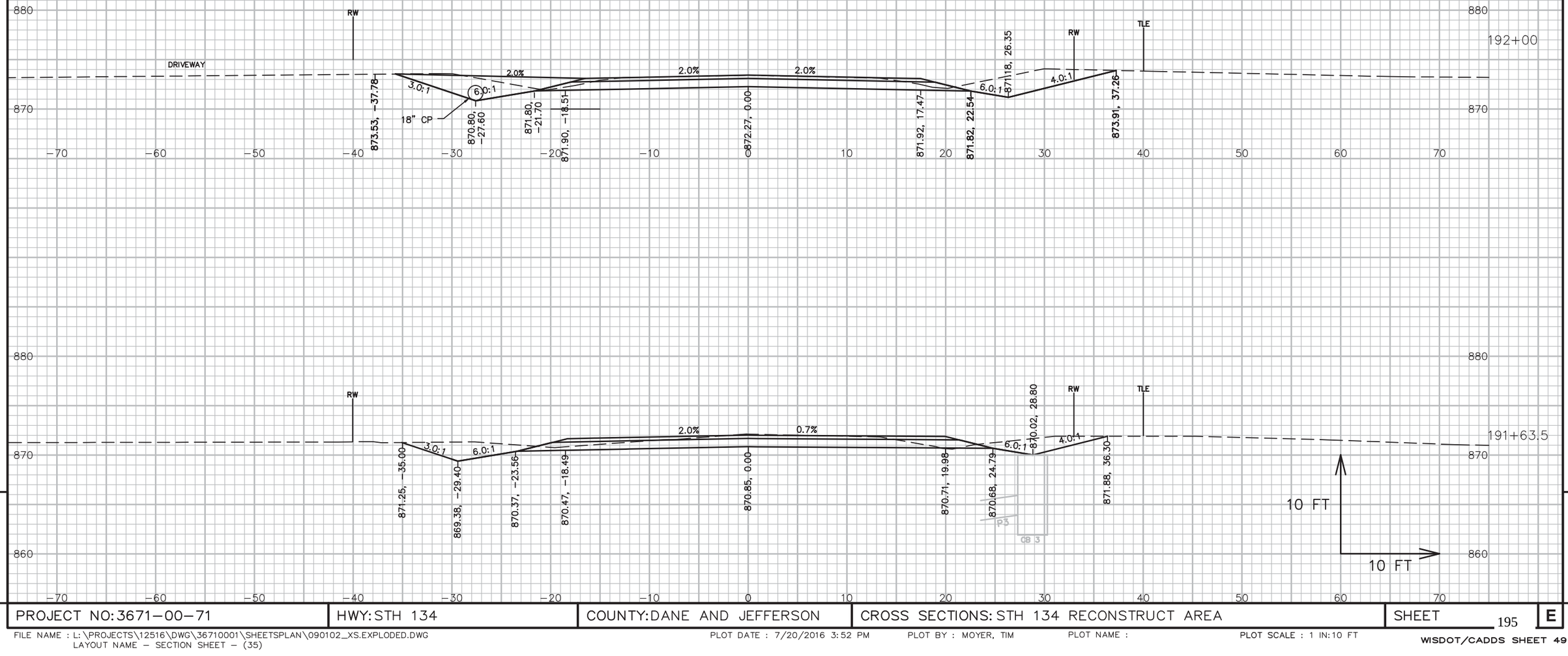


PROJECT NO: 3671−00−71	HWY: STH 134	COUNTY: DANE AND JEFFERSON	CROSS SECTIONS: STH 134 RECONSTRUCT AREA	SHEET 194	E

FILE NAME : L:\PROJECTS\12516\DWG\36710001\SHEETSPLAN\090102_XS.EXPLODED.DWG
LAYOUT NAME − SECTION SHEET − (34)

PLOT DATE : 7/20/2016 3:52 PM PLOT BY : MOYER, TIM PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



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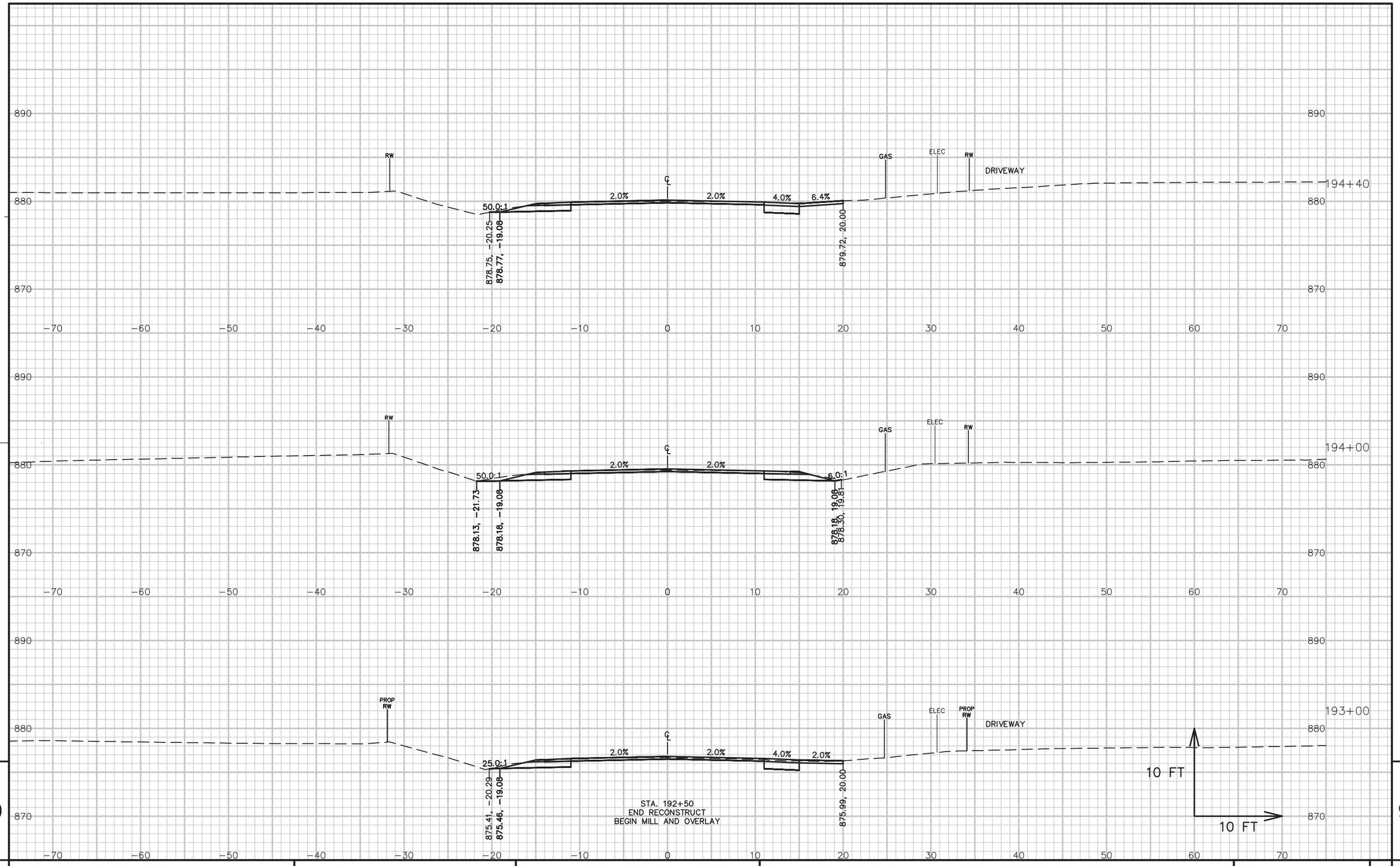
PROJECT NO: 3671-00-71	HWY: STH 134	COUNTY: DANE AND JEFFERSON	CROSS SECTIONS: STH 134 RECONSTRUCT AREA	SHEET 195	E

FILE NAME : L:\PROJECTS\12516\DWG\36710001\SHEETSPLAN\090102_XS.EXPLODED.DWG
LAYOUT NAME - SECTION SHEET - (35)

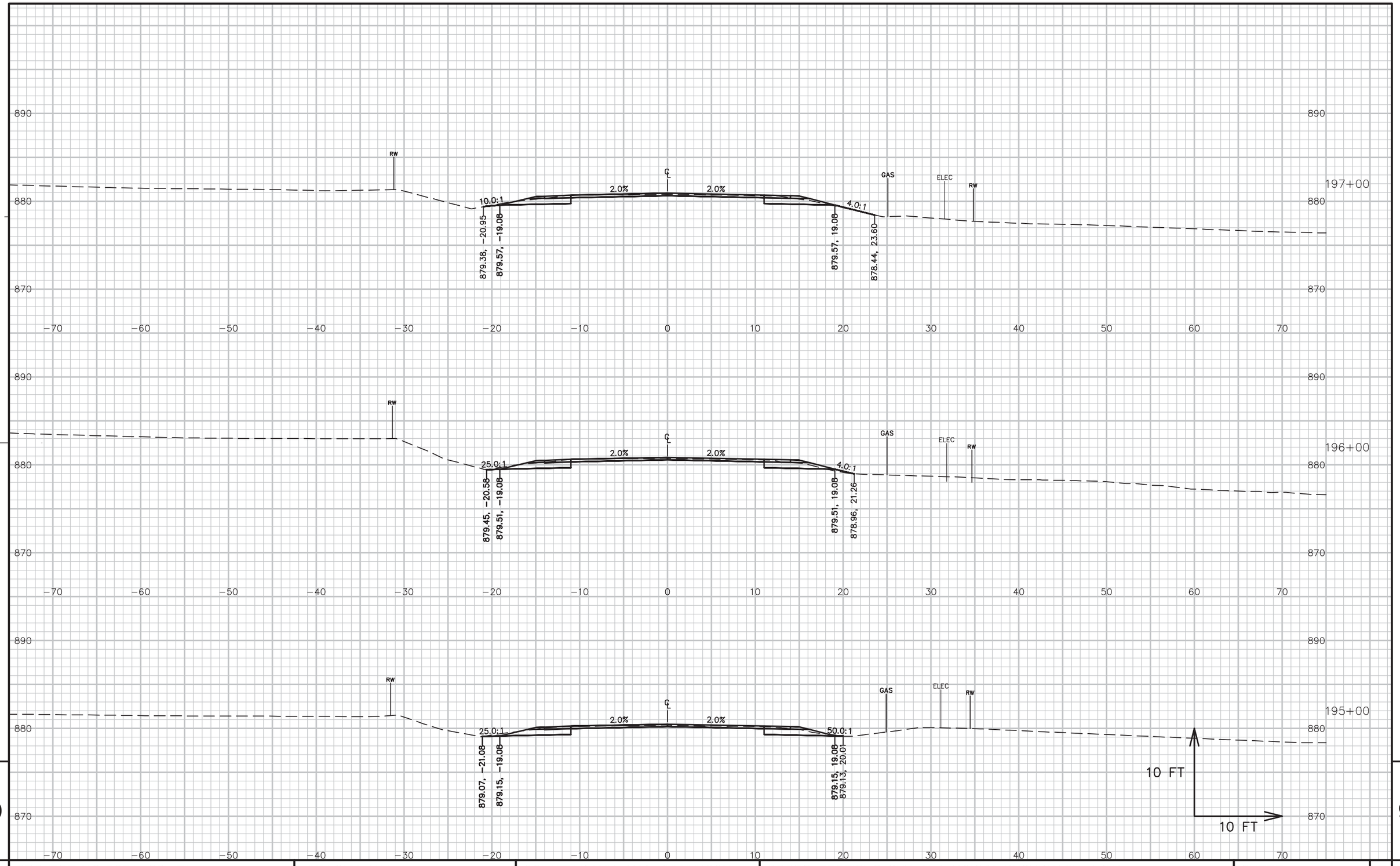
PLOT DATE : 7/20/2016 3:52 PM PLOT BY : MOYER, TIM PLOT NAME : PLOT SCALE : 1 IN:10 FT



PROJECT NO: 3671-00-71	HWY: STH 134	COUNTY: DANE AND JEFFERSON	CROSS SECTIONS: STH 134 NORTH RESURFACE AREA	SHEET 196	E

FILE NAME : L:\PROJECTS\12516\DWG\36710001\SHEETSPLAN\090103_XS.DWG
LAYOUT NAME - SECTION SHEET - (1)

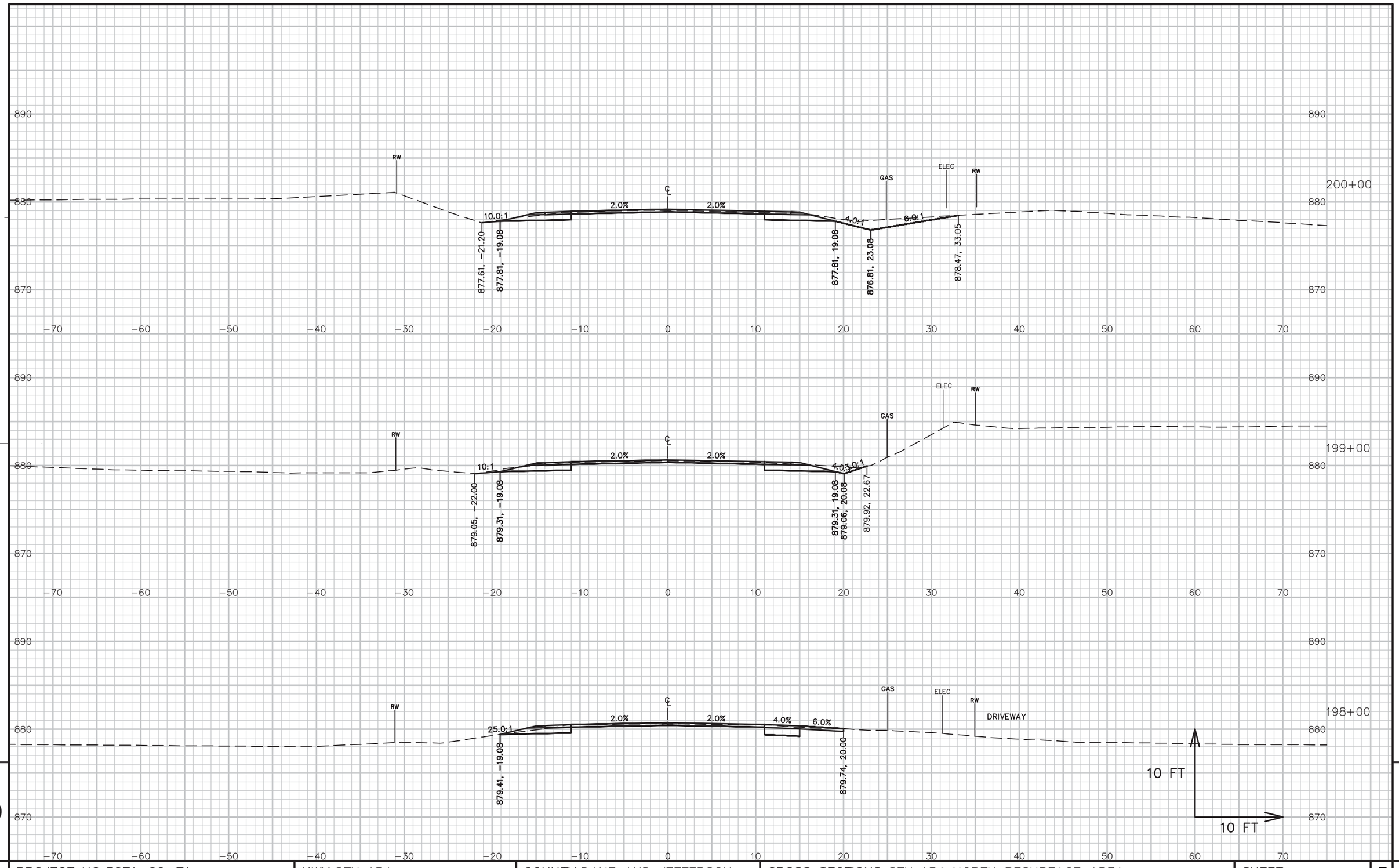
PLOT DATE : 7/22/2016 9:40 AM PLOT BY : MOYER, TIM PLOT NAME : PLOT SCALE : 1 IN:10 FT



PROJECT NO: 3671-00-71	HWY: STH 134	COUNTY: DANE AND JEFFERSON	CROSS SECTIONS: STH 134 NORTH RESURFACE AREA	SHEET 197	E

FILE NAME : L:\PROJECTS\12516\DWG\36710001\SHEETSPLAN\090103_XS.DWG
LAYOUT NAME - SECTION SHEET - (2)

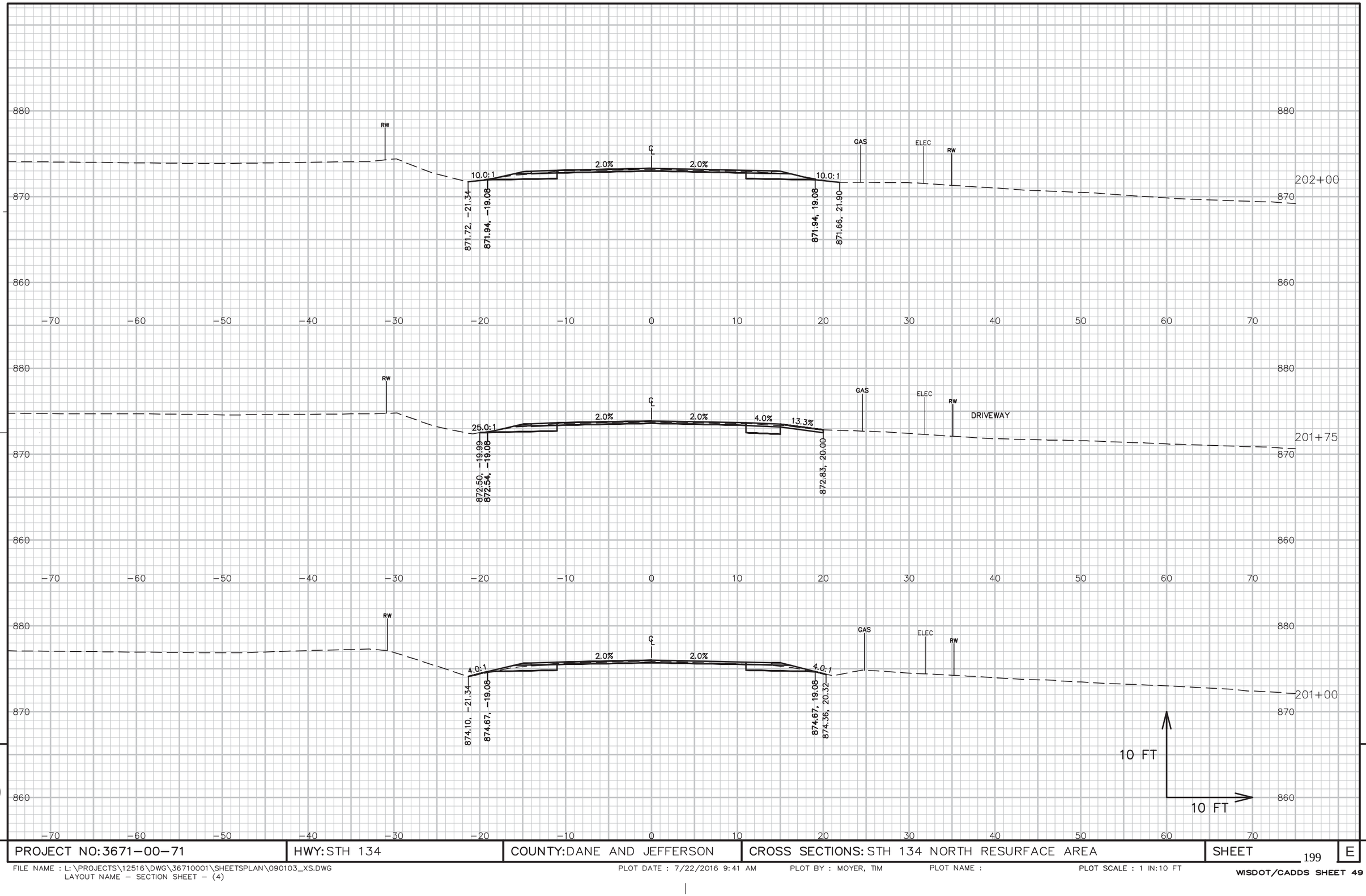
PLOT DATE : 7/22/2016 9:40 AM PLOT BY : MOYER, TIM PLOT NAME : PLOT SCALE : 1 IN:10 FT



PROJECT NO: 3671−00−71	HWY: STH 134	COUNTY: DANE AND JEFFERSON	CROSS SECTIONS: STH 134 NORTH RESURFACE AREA	SHEET 198	E

FILE NAME : L:\PROJECTS\12516\DWG\36710001\SHEETSPLAN\090103_XS.DWG
LAYOUT NAME − SECTION SHEET − (3)

PLOT DATE : 7/22/2016 9:40 AM PLOT BY : MOYER, TIM PLOT NAME : PLOT SCALE : 1 IN:10 FT

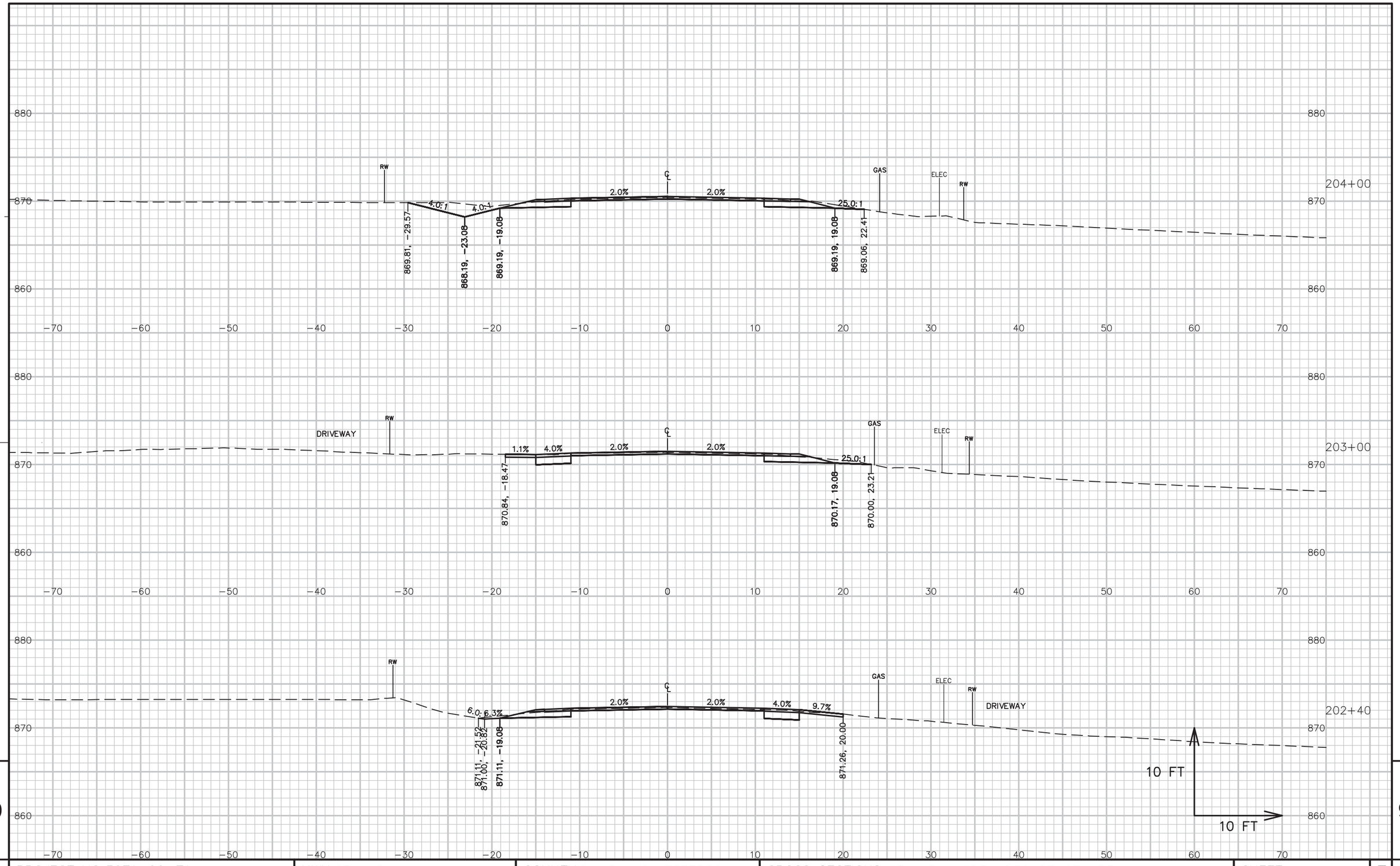


PROJECT NO: 3671−00−71	HWY: STH 134	COUNTY: DANE AND JEFFERSON	CROSS SECTIONS: STH 134 NORTH RESURFACE AREA	SHEET 199	E

FILE NAME : L:\PROJECTS\12516\DWG\36710001\SHEETSPLAN\090103_XS.DWG
LAYOUT NAME − SECTION SHEET − (4)

PLOT DATE : 7/22/2016 9:41 AM PLOT BY : MOYER, TIM PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



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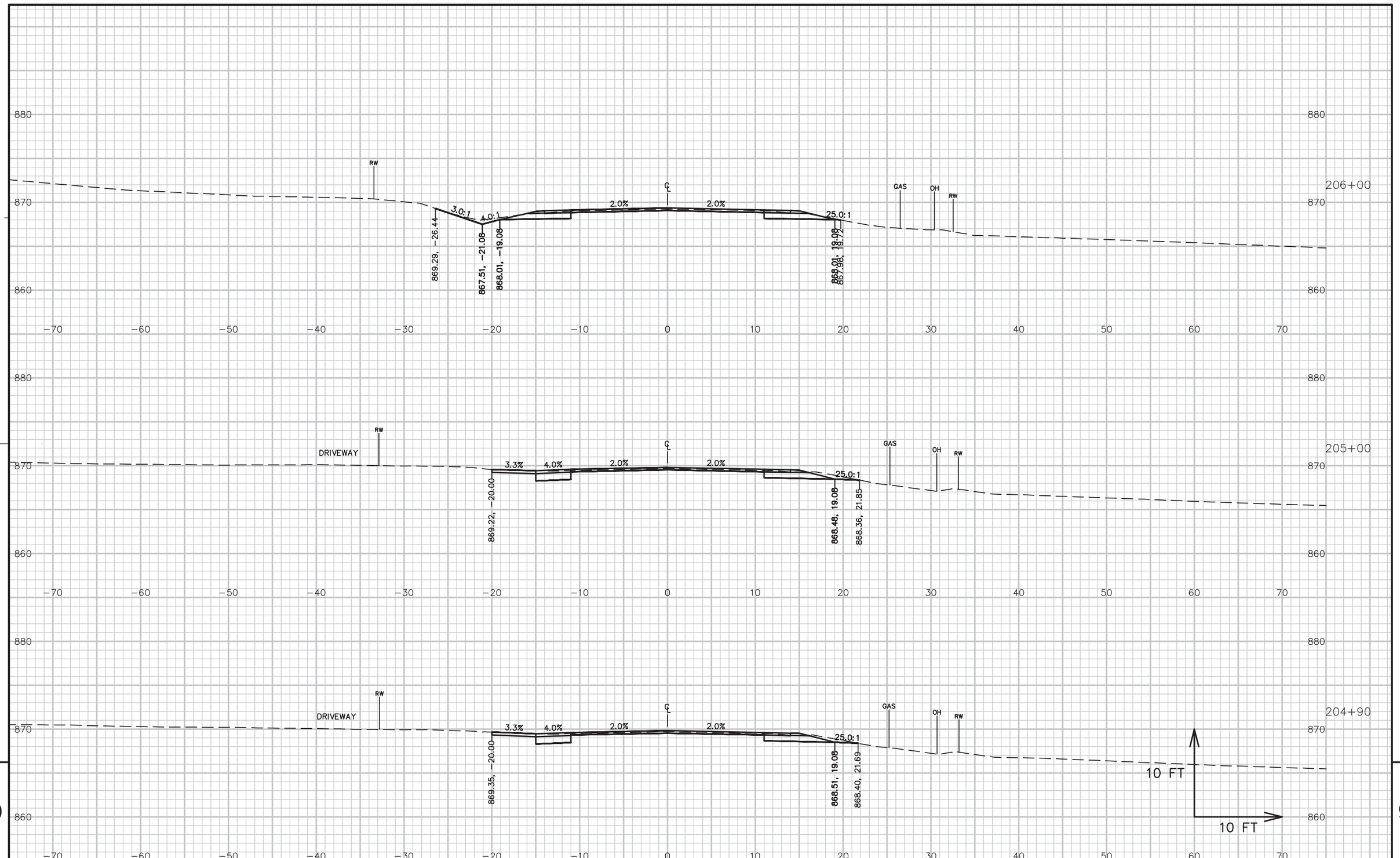
PROJECT NO: 3671−00−71	HWY: STH 134	COUNTY: DANE AND JEFFERSON	CROSS SECTIONS: STH 134 NORTH RESURFACE AREA	SHEET 200	E

FILE NAME : L:\PROJECTS\12516\DWG\36710001\SHEETSPLAN\090103_XS.DWG
LAYOUT NAME − SECTION SHEET − (5)

PLOT DATE : 7/22/2016 9:41 AM PLOT BY : MOYER, TIM PLOT NAME : PLOT SCALE : 1 IN:10 FT

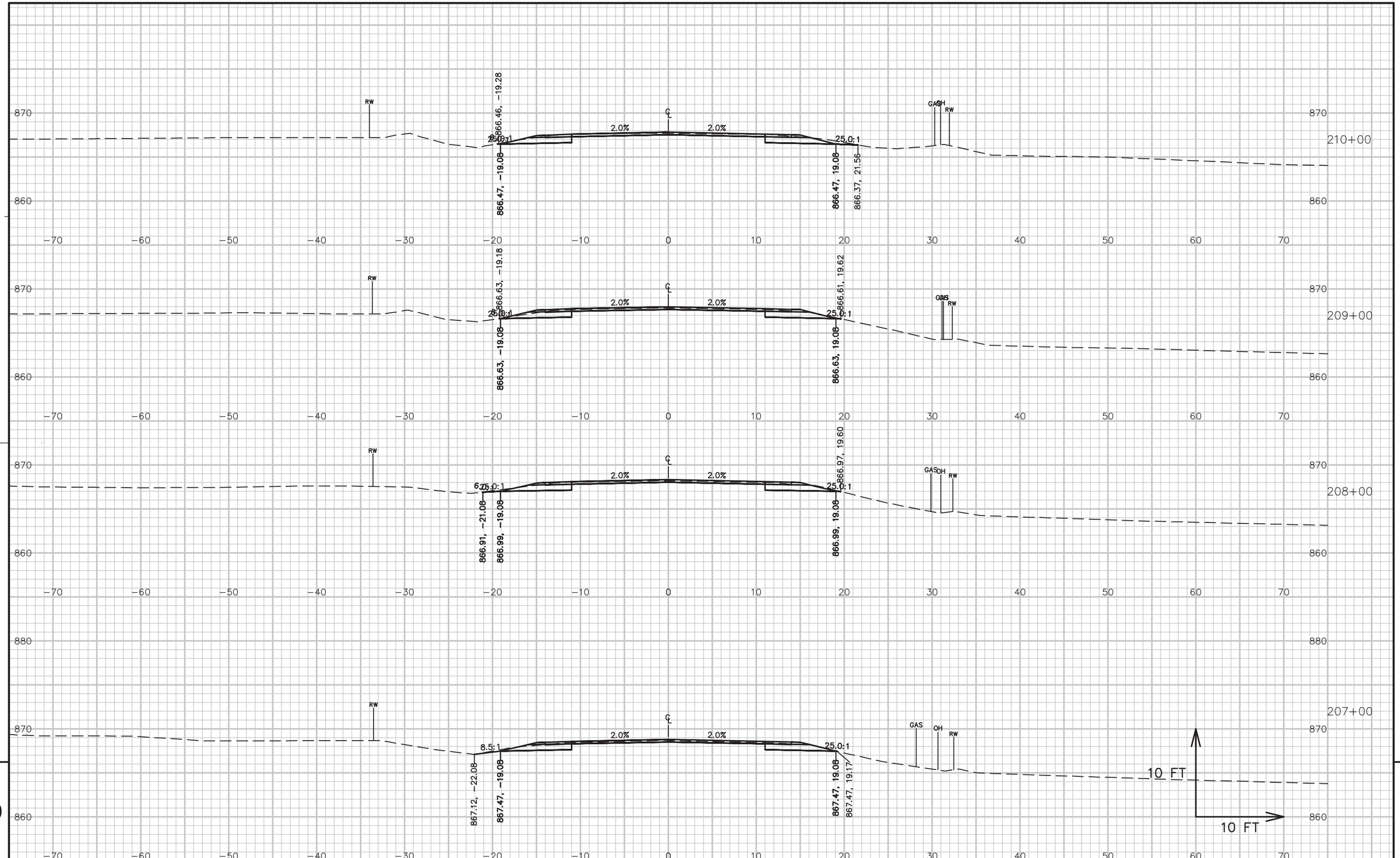


PROJECT NO: 3671-00-71	HWY: STH 134	COUNTY: DANE AND JEFFERSON	CROSS SECTIONS: STH 134 NORTH RESURFACE AREA	SHEET 201	E

FILE NAME : L:\PROJECTS\12516\DWG\36710001\SHEETSPLAN\090103_XS.DWG
LAYOUT NAME - SECTION SHEET - (6)

PLOT DATE : 7/22/2016 9:41 AM PLOT BY : MOYER, TIM PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49

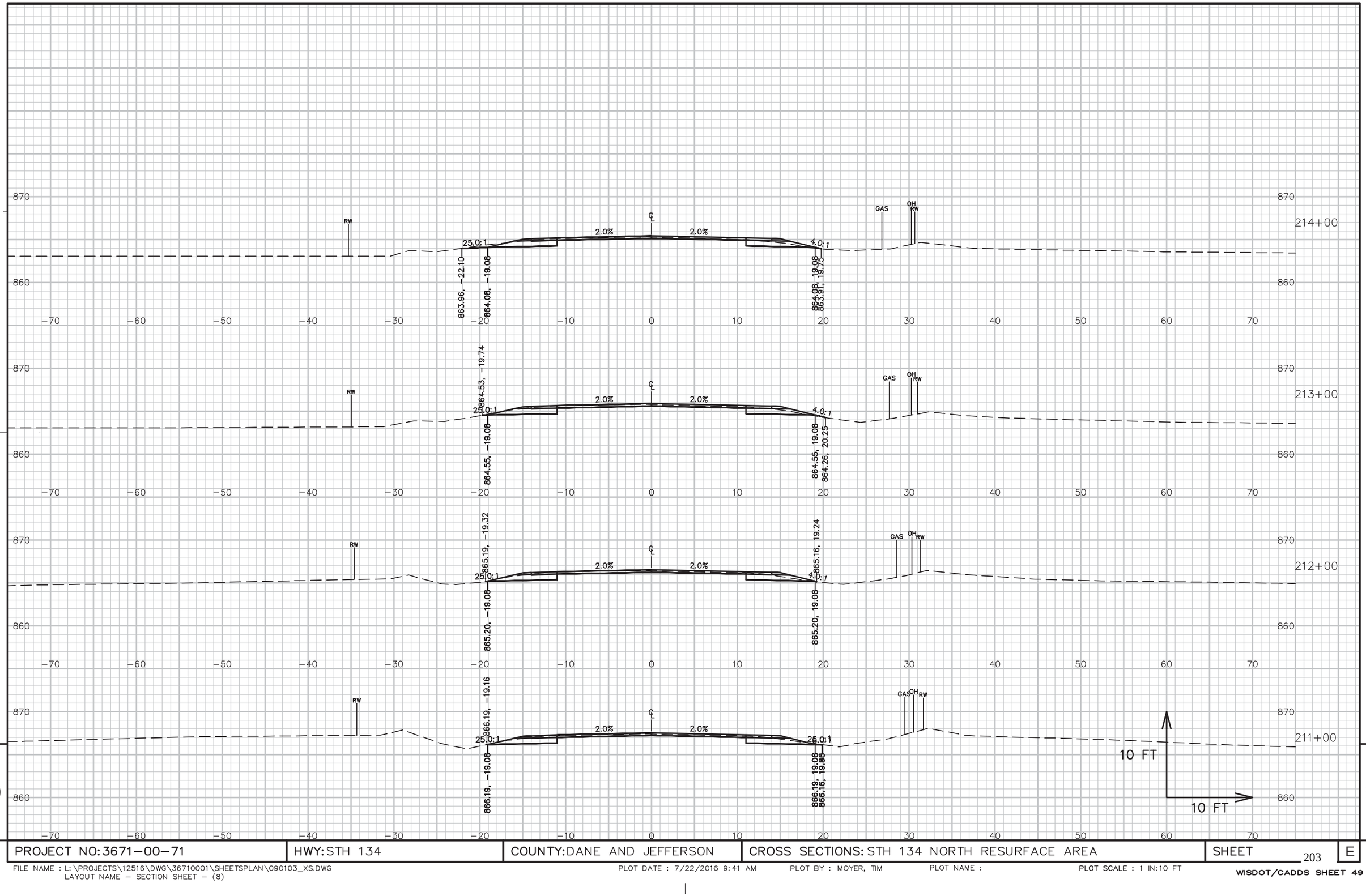


PROJECT NO: 3671-00-71	HWY: STH 134	COUNTY: DANE AND JEFFERSON	CROSS SECTIONS: STH 134 NORTH RESURFACE AREA	SHEET 202	E

FILE NAME : L:\PROJECTS\12516\DWG\36710001\SHEETSPLAN\090103_XS.DWG
LAYOUT NAME - SECTION SHEET - (7)

PLOT DATE : 7/22/2016 9:41 AM PLOT BY : MOYER, TIM PLOT NAME : PLOT SCALE : 1 IN:10 FT

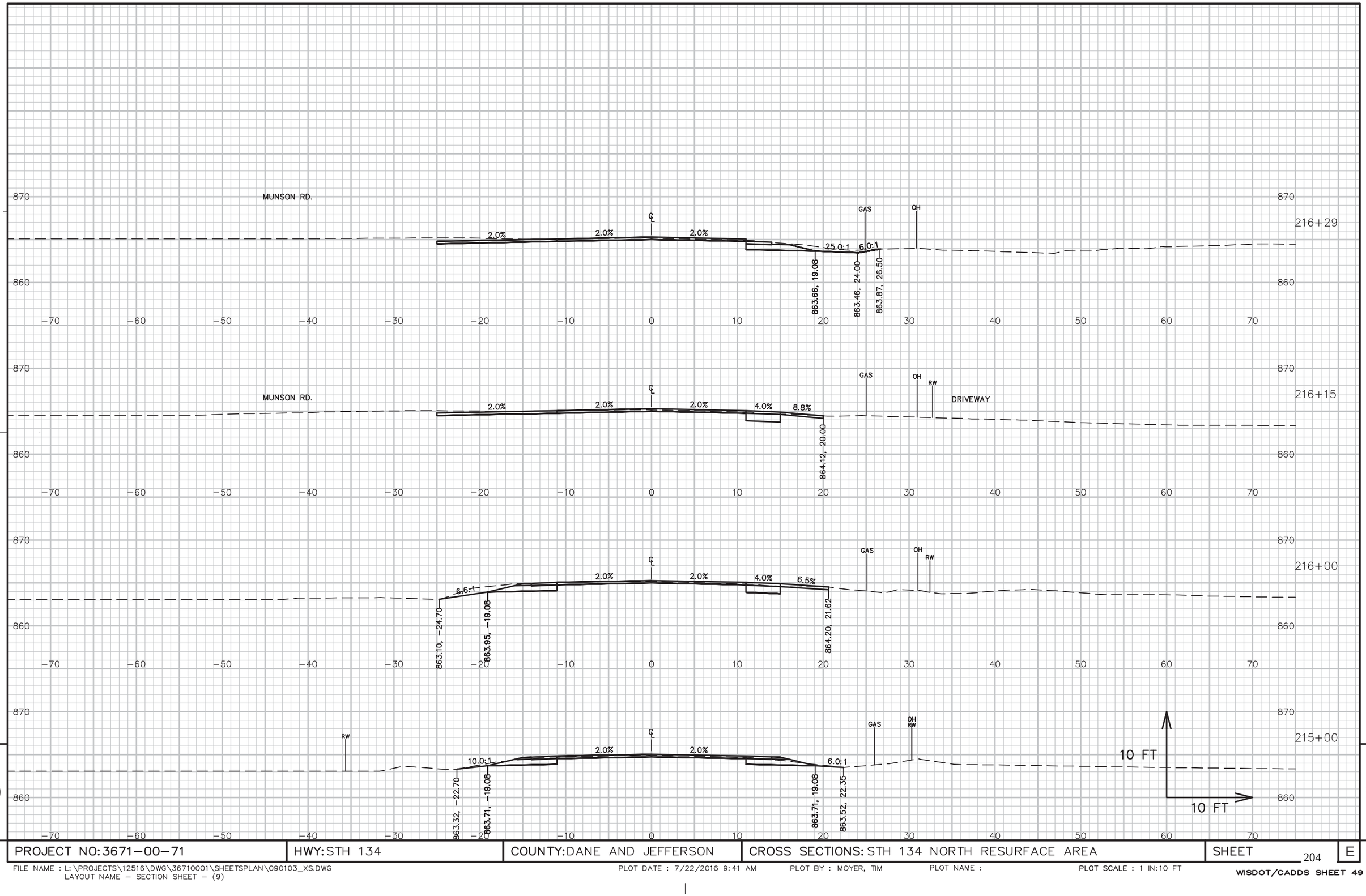
WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 3671-00-71	HWY: STH 134	COUNTY: DANE AND JEFFERSON	CROSS SECTIONS: STH 134 NORTH RESURFACE AREA	SHEET 203	E

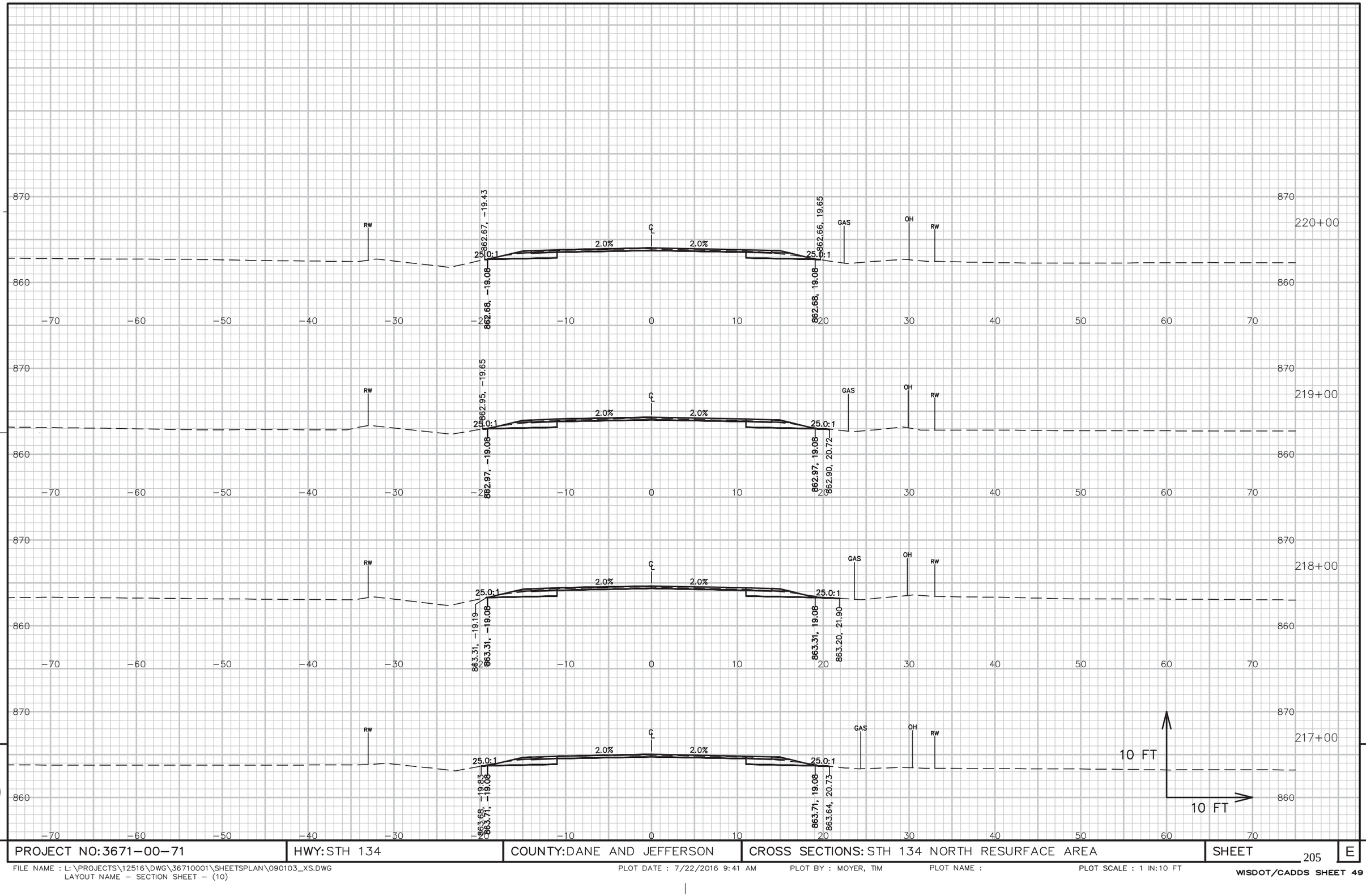


PROJECT NO: 3671-00-71	HWY: STH 134	COUNTY: DANE AND JEFFERSON	CROSS SECTIONS: STH 134 NORTH RESURFACE AREA	SHEET 204	E

FILE NAME : L:\PROJECTS\12516\DWG\36710001\SHEETSPLAN\090103_XS.DWG
LAYOUT NAME - SECTION SHEET - (9)

PLOT DATE : 7/22/2016 9:41 AM PLOT BY : MOYER, TIM PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49

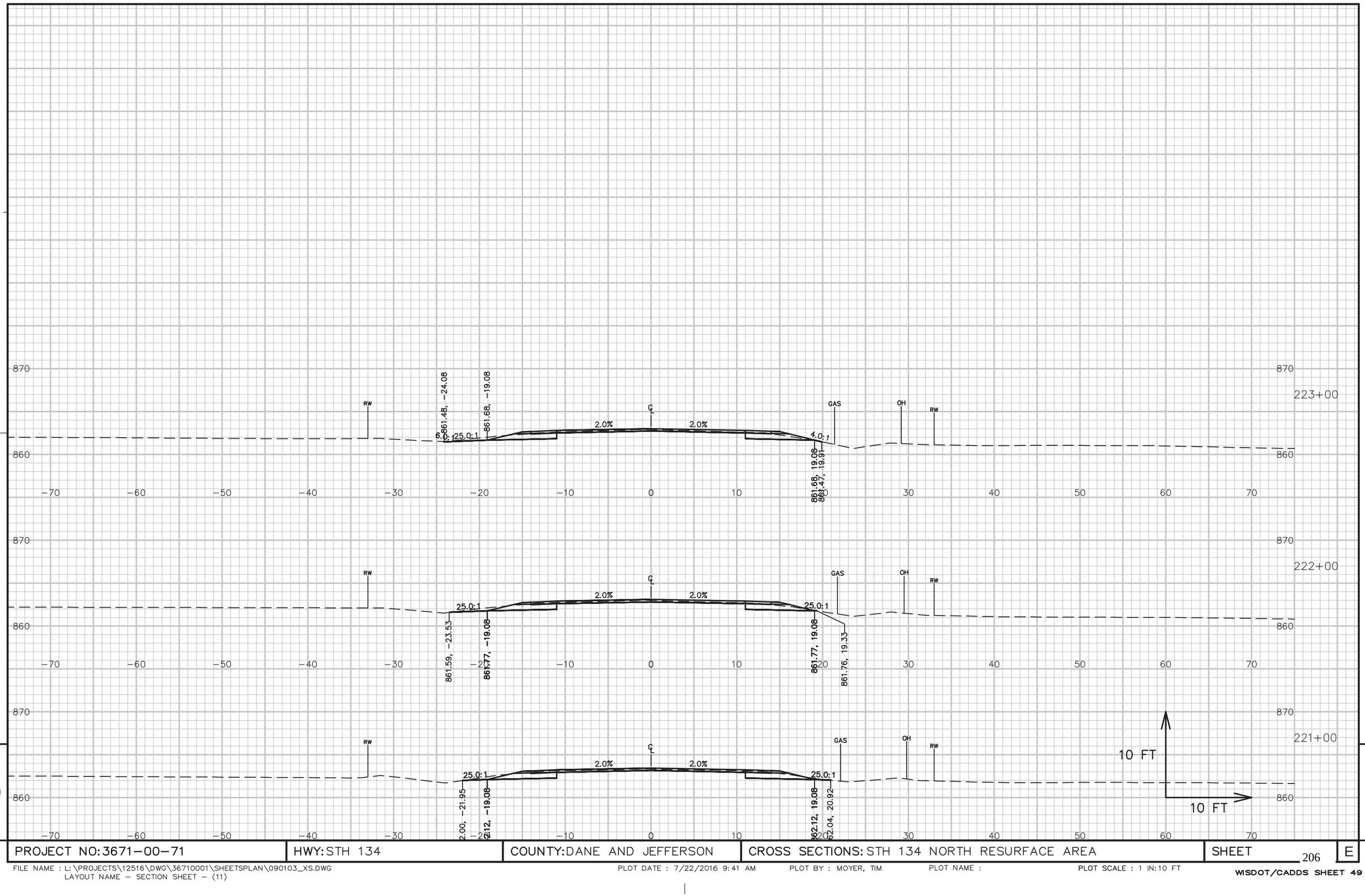


PROJECT NO: 3671-00-71	HWY: STH 134	COUNTY: DANE AND JEFFERSON	CROSS SECTIONS: STH 134 NORTH RESURFACE AREA	SHEET 205	E

FILE NAME : L:\PROJECTS\12516\DWG\36710001\SHEETSPLAN\090103_XS.DWG
LAYOUT NAME - SECTION SHEET - (10)

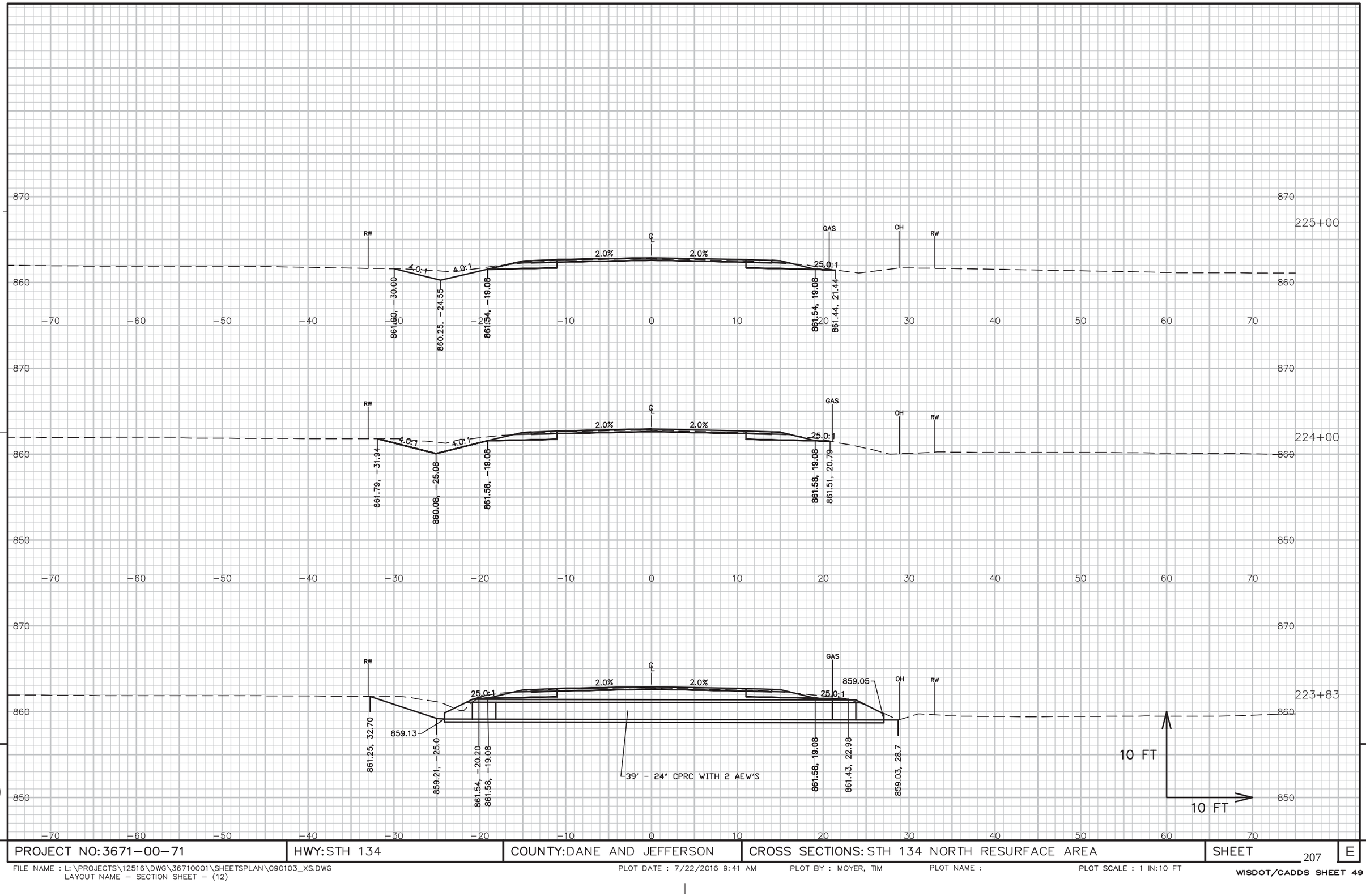
PLOT DATE : 7/22/2016 9:41 AM PLOT BY : MOYER, TIM PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



PROJECT NO: 3671−00−71	HWY: STH 134	COUNTY: DANE AND JEFFERSON	CROSS SECTIONS: STH 134 NORTH RESURFACE AREA	SHEET	E

FILE NAME : L:\PROJECTS\12516\DWG\36710001\SHEETSPLAN\090103_XS.DWG
LAYOUT NAME − SECTION SHEET − (11)
PLOT DATE : 7/22/2016 9:41 AM PLOT BY : MOYER, TIM PLOT NAME : PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 49

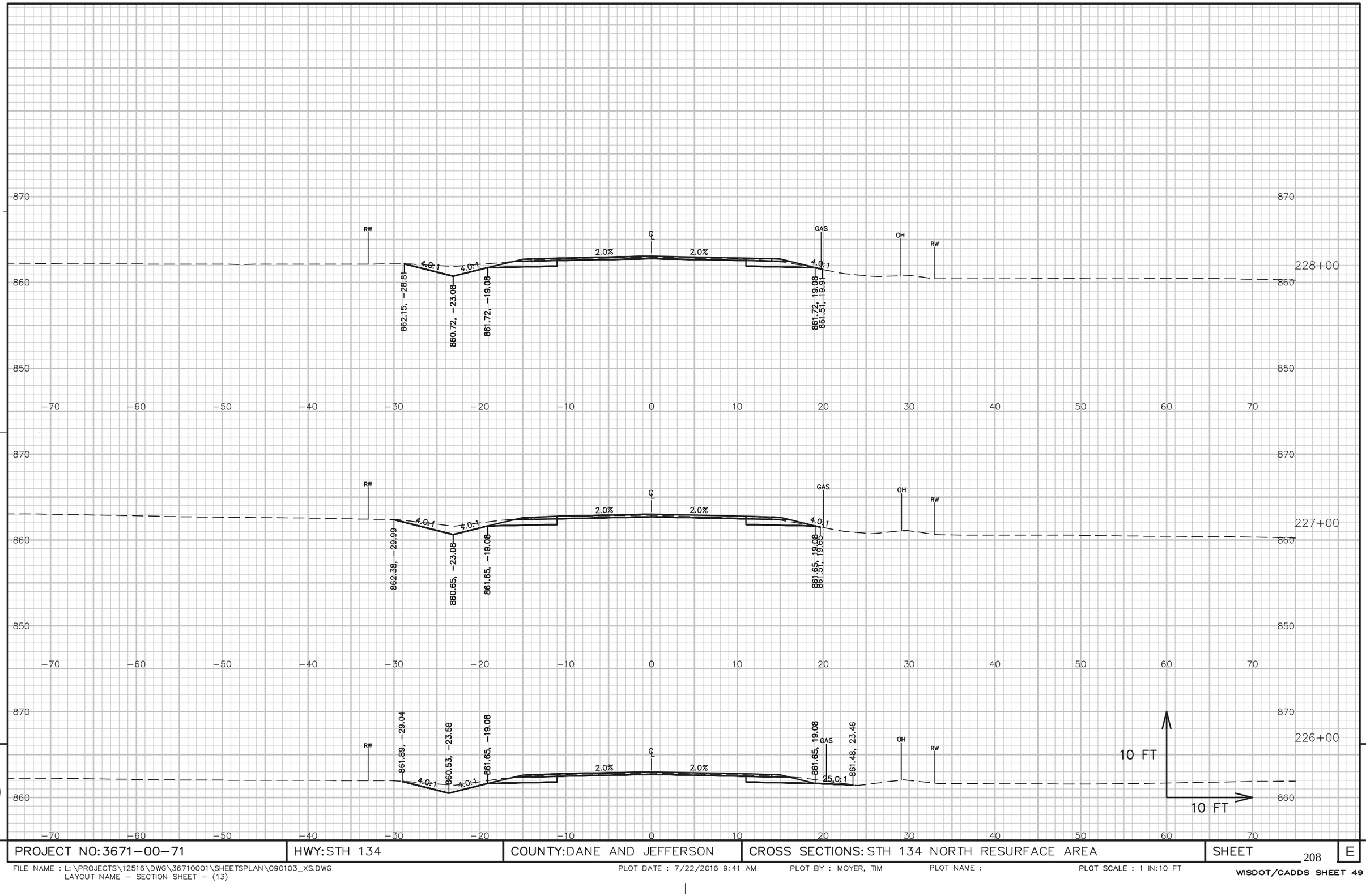


PROJECT NO: 3671-00-71	HWY: STH 134	COUNTY: DANE AND JEFFERSON	CROSS SECTIONS: STH 134 NORTH RESURFACE AREA	SHEET 207 E

FILE NAME : L:\PROJECTS\12516\DWG\36710001\SHEETSPLAN\090103_XS.DWG
LAYOUT NAME - SECTION SHEET - (12)

PLOT DATE : 7/22/2016 9:41 AM PLOT BY : MOYER, TIM PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49

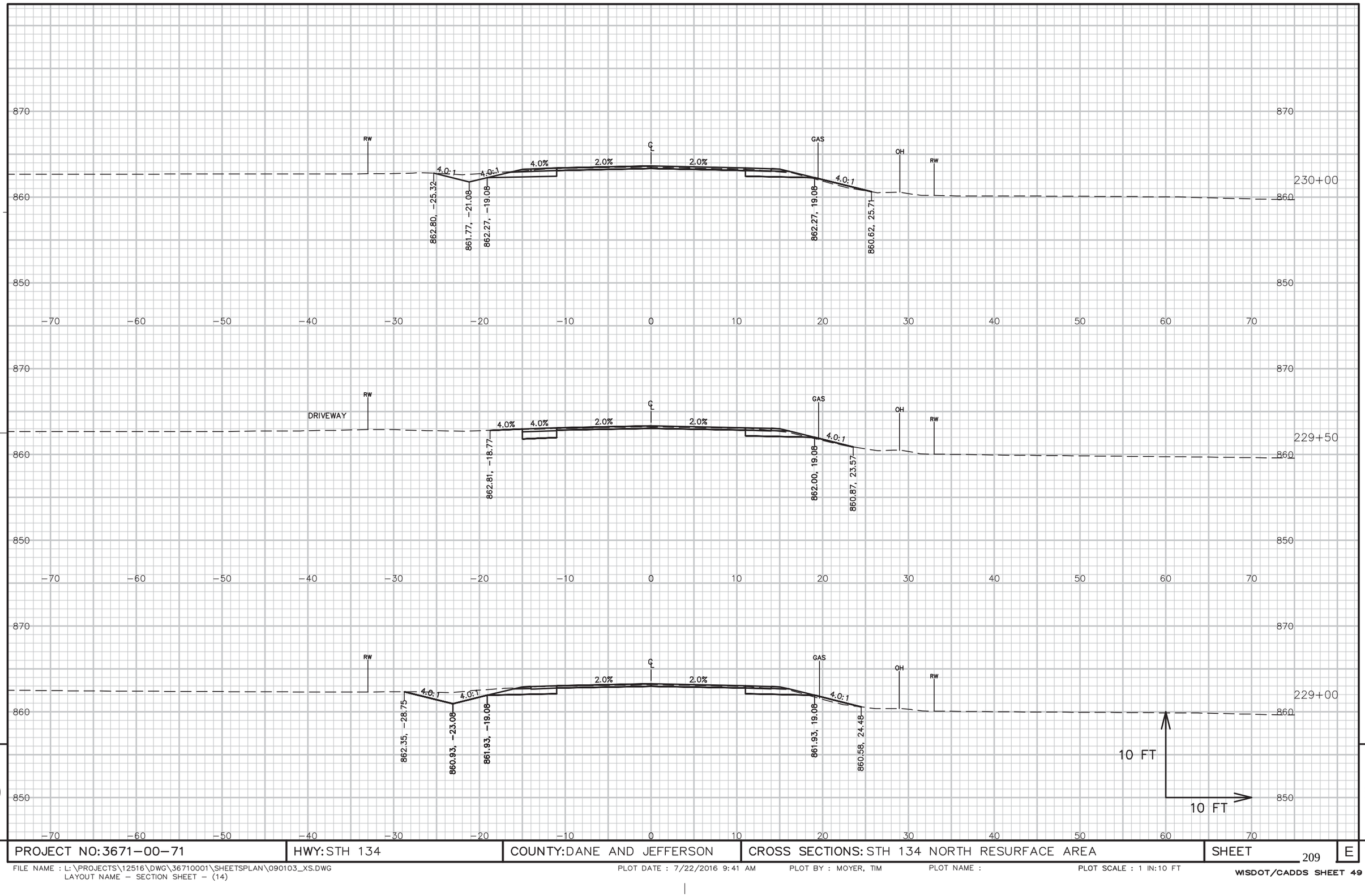


PROJECT NO: 3671−00−71	HWY: STH 134	COUNTY: DANE AND JEFFERSON	CROSS SECTIONS: STH 134 NORTH RESURFACE AREA	SHEET 208	E

FILE NAME : L:\PROJECTS\12516\DWG\36710001\SHEETSPLAN\090103_XS.DWG
LAYOUT NAME − SECTION SHEET − (13)

PLOT DATE : 7/22/2016 9:41 AM PLOT BY : MOYER, TIM PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49

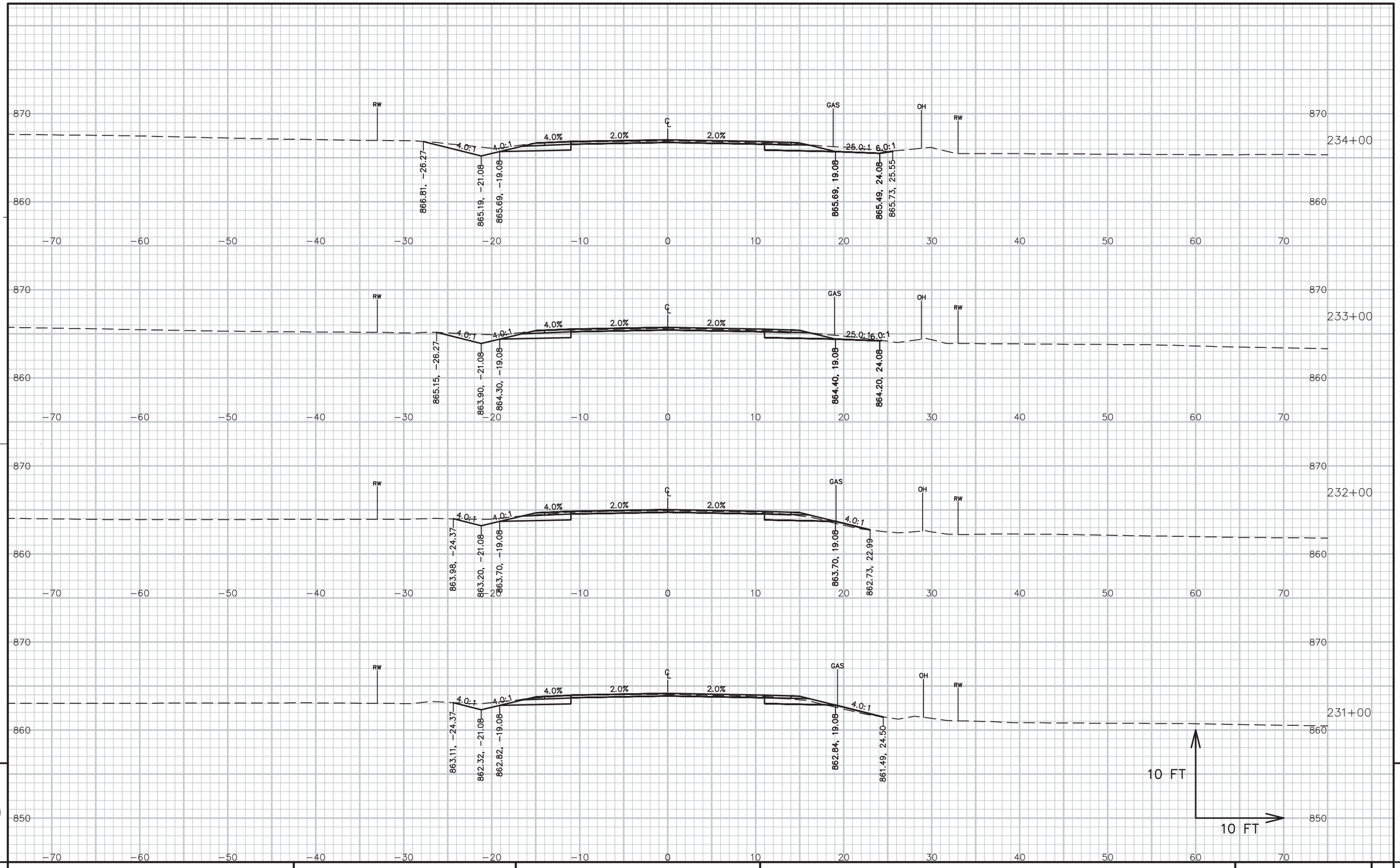


PROJECT NO: 3671-00-71	HWY: STH 134	COUNTY: DANE AND JEFFERSON	CROSS SECTIONS: STH 134 NORTH RESURFACE AREA	SHEET 209	E

FILE NAME : L:\PROJECTS\12516\DWG\36710001\SHEETSPLAN\090103_XS.DWG
LAYOUT NAME - SECTION SHEET - (14)

PLOT DATE : 7/22/2016 9:41 AM PLOT BY : MOYER, TIM PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49

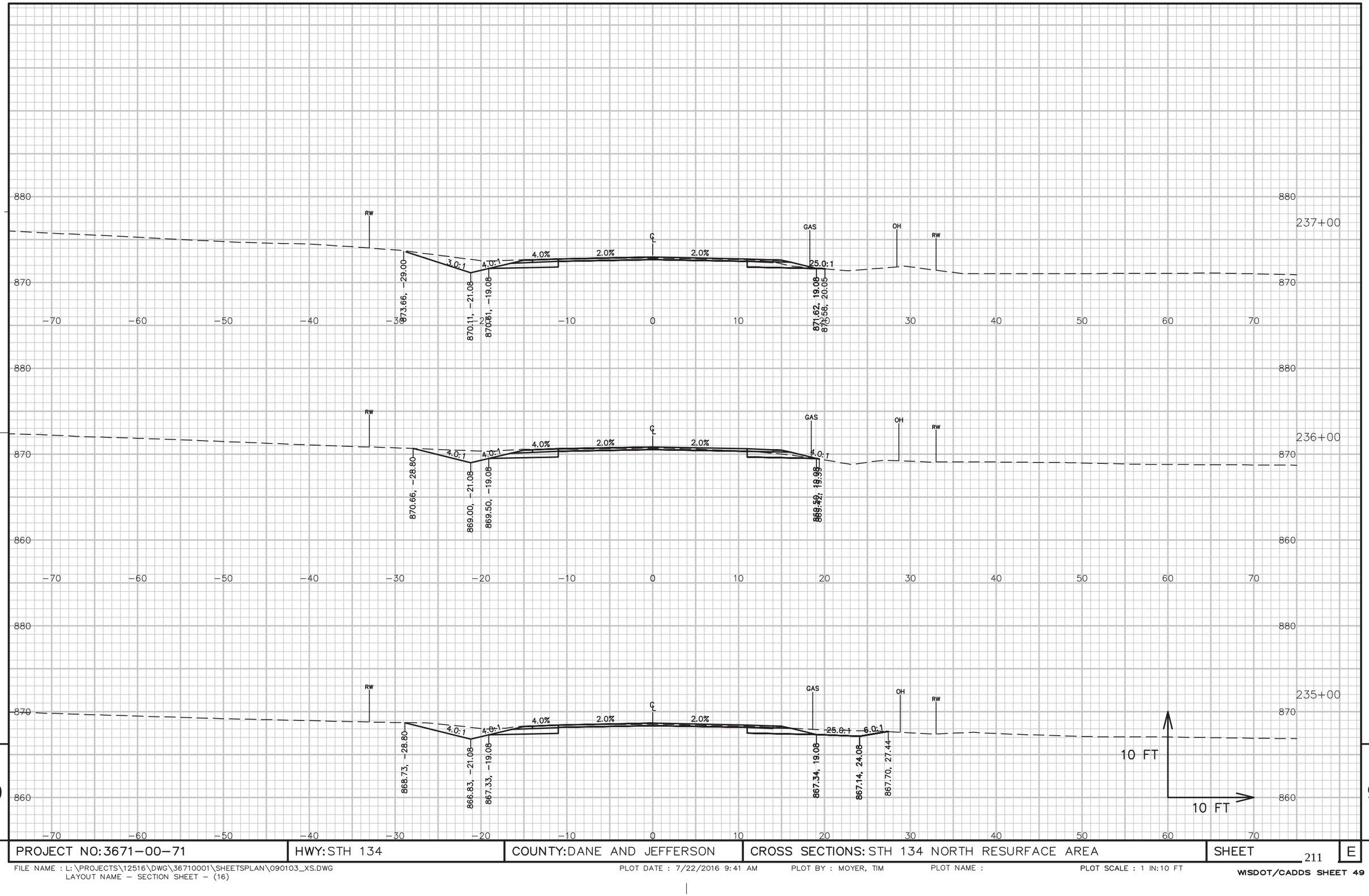


PROJECT NO: 3671-00-71	HWY: STH 134	COUNTY: DANE AND JEFFERSON	CROSS SECTIONS: STH 134 NORTH RESURFACE AREA	SHEET 210	E

FILE NAME : L:\PROJECTS\12516\DWG\36710001\SHEETSPLAN\090103_XS.DWG
LAYOUT NAME - SECTION SHEET - (15)

PLOT DATE : 7/22/2016 9:41 AM PLOT BY : MOYER, TIM PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



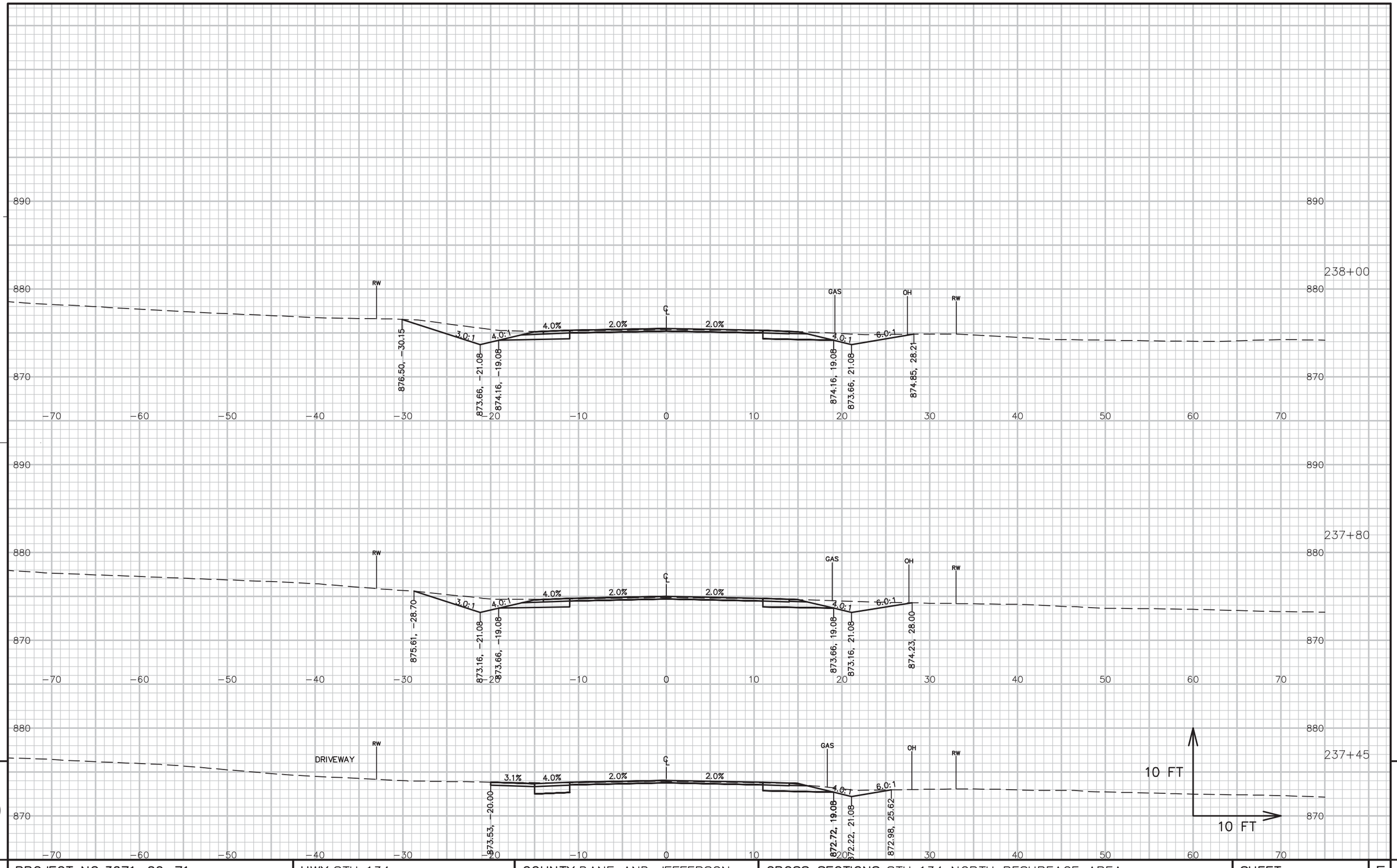
9

9

PROJECT NO: 3671-00-71	HWY: STH 134	COUNTY: DANE AND JEFFERSON	CROSS SECTIONS: STH 134 NORTH RESURFACE AREA	SHEET 211	E

FILE NAME : L:\PROJECTS\12516\DWG\36710001\SHEETSPLAN\090103_XS.DWG
LAYOUT NAME - SECTION SHEET - (16)

PLOT DATE : 7/22/2016 9:41 AM PLOT BY : MOYER, TIM PLOT NAME : PLOT SCALE : 1 IN:10 FT

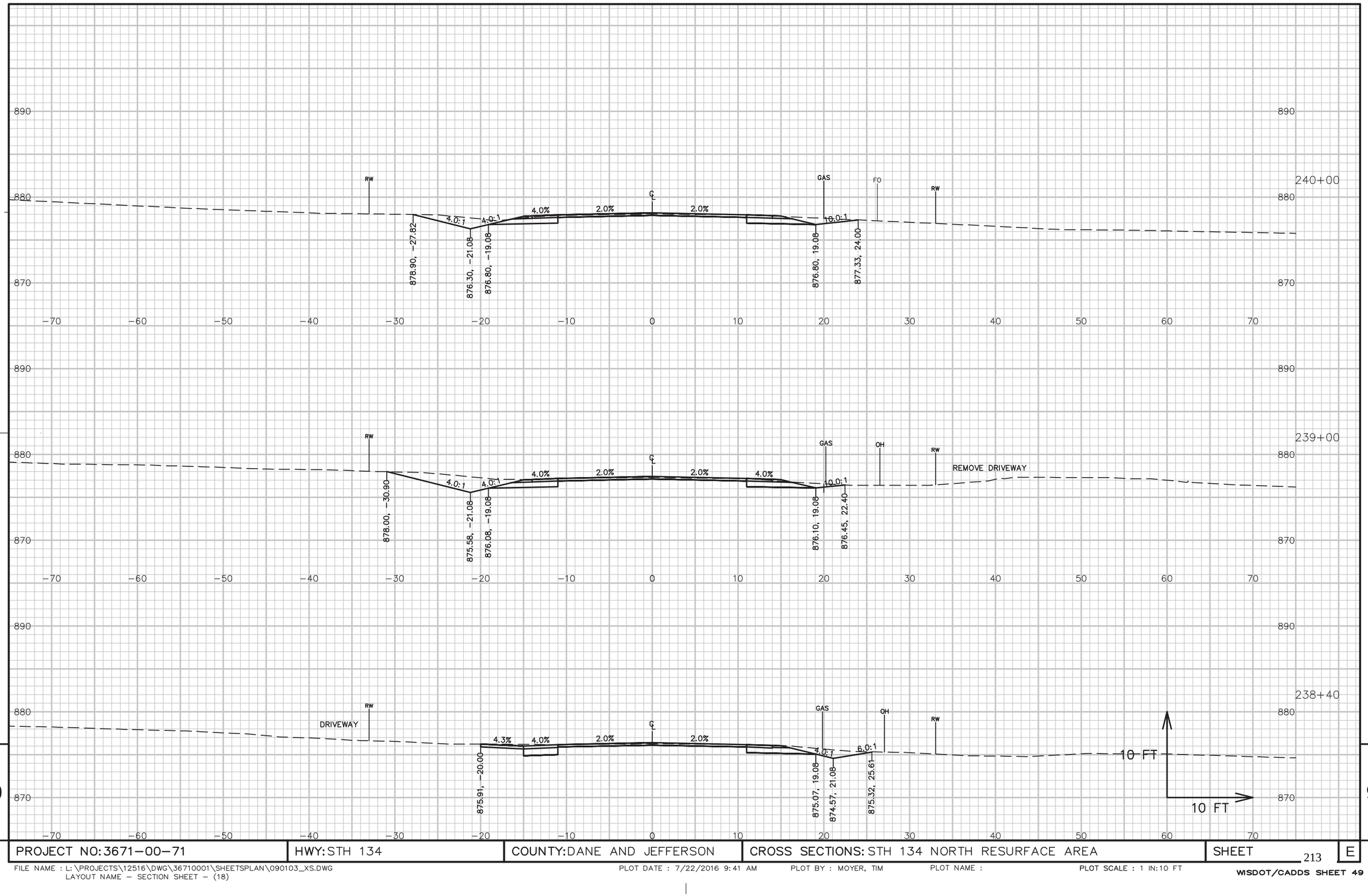


PROJECT NO: 3671-00-71	HWY: STH 134	COUNTY: DANE AND JEFFERSON	CROSS SECTIONS: STH 134 NORTH RESURFACE AREA	SHEET 212	E

FILE NAME : L:\PROJECTS\12516\DWG\36710001\SHEETSPLAN\090103_XS.DWG
LAYOUT NAME - SECTION SHEET - (17)

PLOT DATE : 7/22/2016 9:41 AM PLOT BY : MOYER, TIM PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49

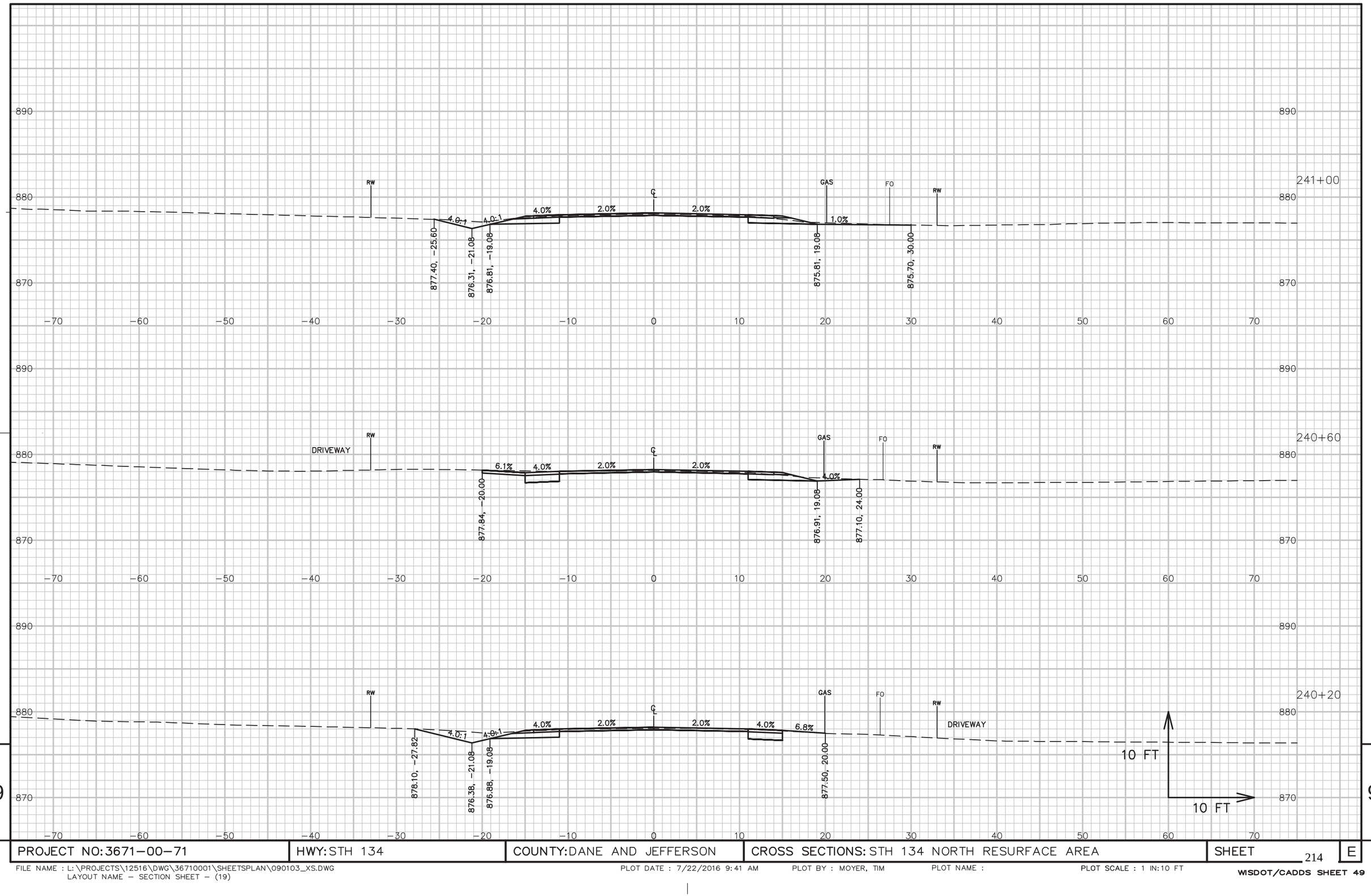


PROJECT NO: 3671−00−71	HWY: STH 134	COUNTY: DANE AND JEFFERSON	CROSS SECTIONS: STH 134 NORTH RESURFACE AREA	SHEET 213	E

FILE NAME : L:\PROJECTS\12516\DWG\36710001\SHEETSPLAN\090103_XS.DWG
LAYOUT NAME − SECTION SHEET − (18)

PLOT DATE : 7/22/2016 9:41 AM PLOT BY : MOYER, TIM PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49

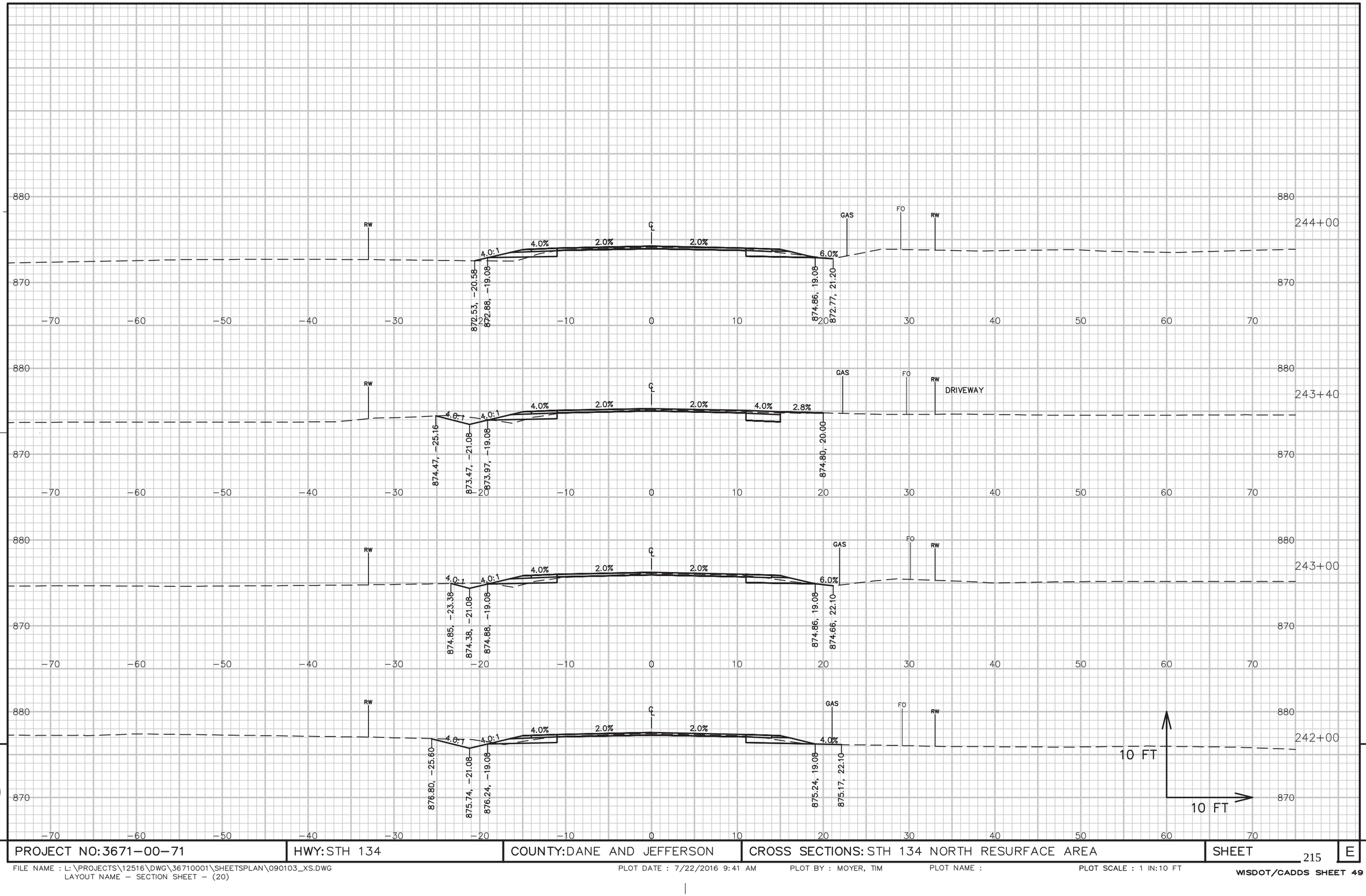


PROJECT NO: 3671−00−71	HWY: STH 134	COUNTY: DANE AND JEFFERSON	CROSS SECTIONS: STH 134 NORTH RESURFACE AREA	SHEET 214	E

FILE NAME : L:\PROJECTS\12516\DWG\36710001\SHEETSPLAN\090103_XS.DWG
LAYOUT NAME − SECTION SHEET − (19)

PLOT DATE : 7/22/2016 9:41 AM PLOT BY : MOYER, TIM PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49

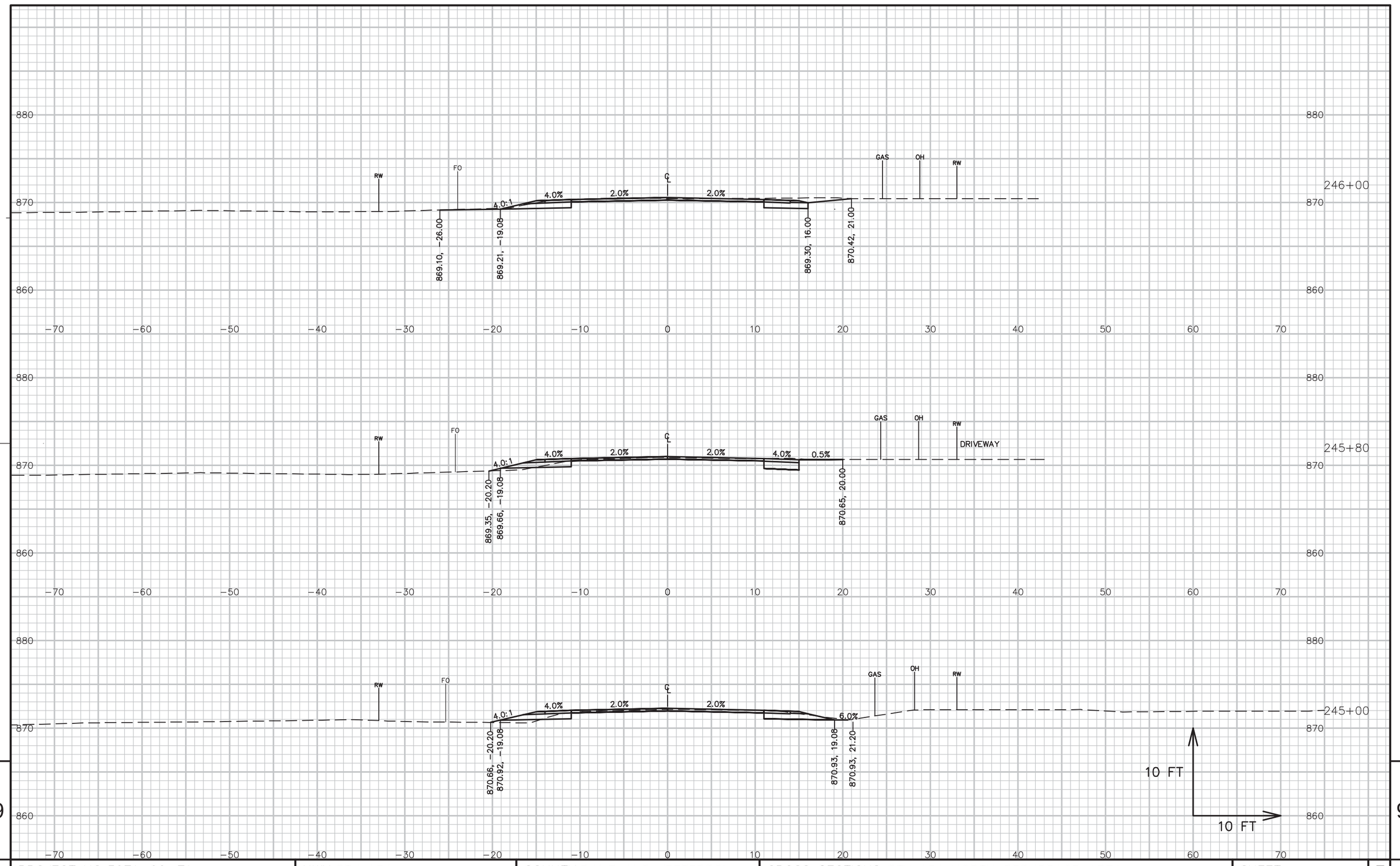


PROJECT NO: 3671-00-71	HWY: STH 134	COUNTY: DANE AND JEFFERSON	CROSS SECTIONS: STH 134 NORTH RESURFACE AREA	SHEET 215	E

FILE NAME : L:\PROJECTS\12516\DWG\36710001\SHEETSPLAN\090103_XS.DWG
LAYOUT NAME - SECTION SHEET - (20)

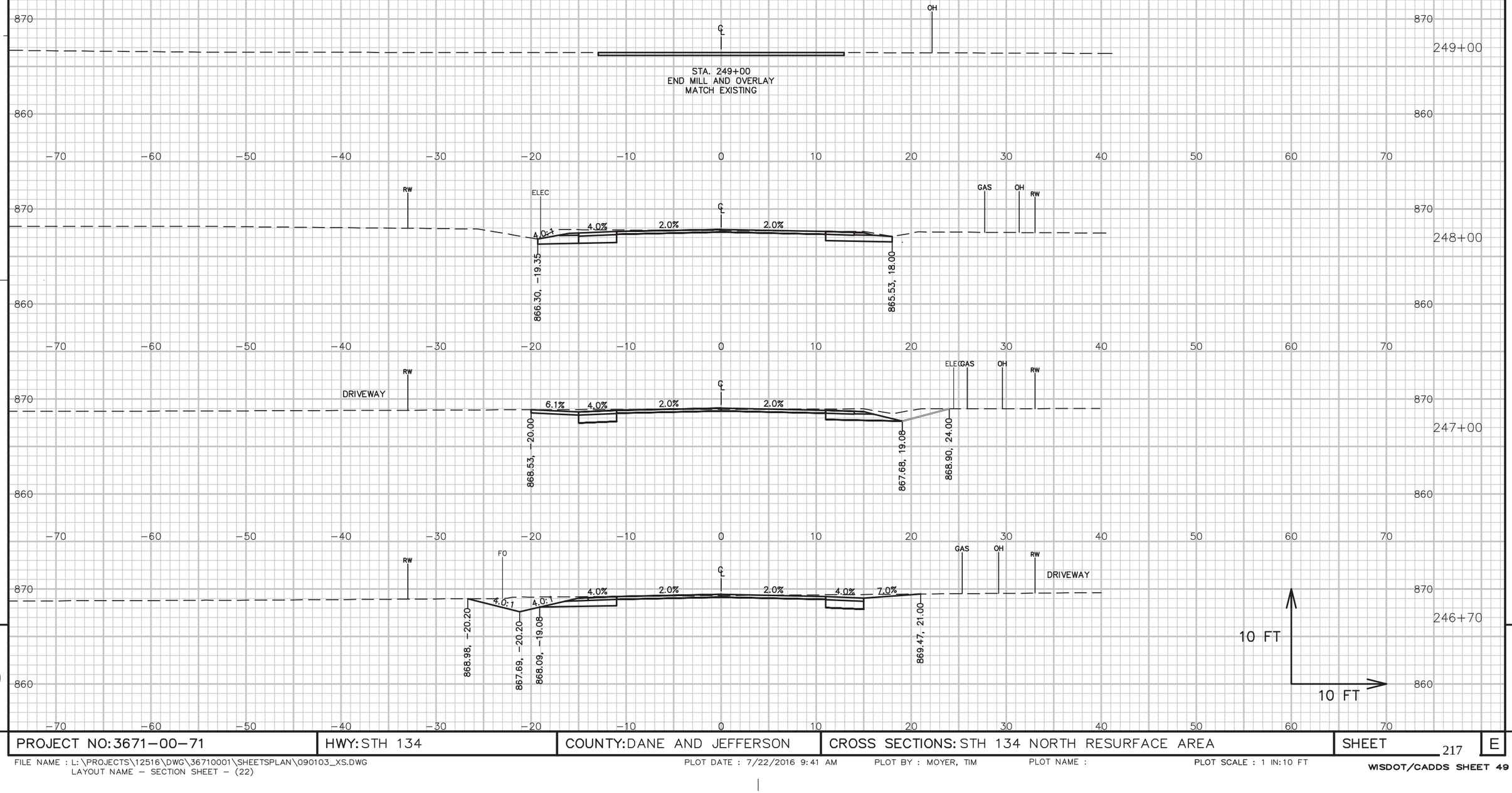
PLOT DATE : 7/22/2016 9:41 AM PLOT BY : MOYER, TIM PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



PROJECT NO: 3671−00−71	HWY: STH 134	COUNTY: DANE AND JEFFERSON	CROSS SECTIONS: STH 134 NORTH RESURFACE AREA	SHEET 216	E

FILE NAME : L:\PROJECTS\12516\DWG\36710001\SHEETSPLAN\090103_XS.DWG
LAYOUT NAME − SECTION SHEET − (21)
PLOT DATE : 7/22/2016 9:41 AM PLOT BY : MOYER, TIM PLOT NAME : PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 49

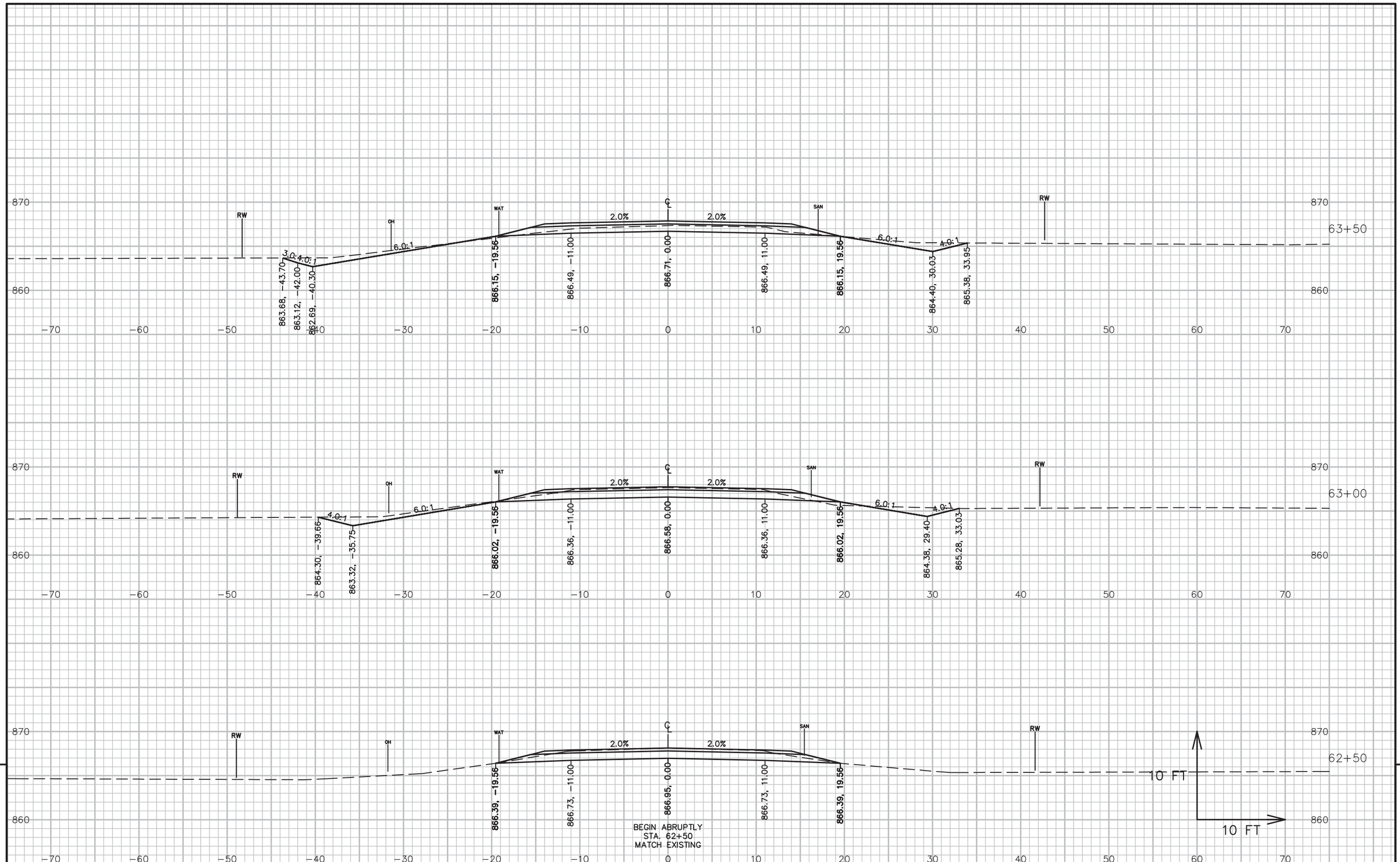


PROJECT NO: 3671-00-71	HWY: STH 134	COUNTY: DANE AND JEFFERSON	CROSS SECTIONS: STH 134 NORTH RESURFACE AREA	SHEET 217	E

FILE NAME : L:\PROJECTS\12516\DWG\36710001\SHEETSPLAN\090103_XS.DWG
LAYOUT NAME - SECTION SHEET - (22)

PLOT DATE : 7/22/2016 9:41 AM PLOT BY : MOYER, TIM PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49

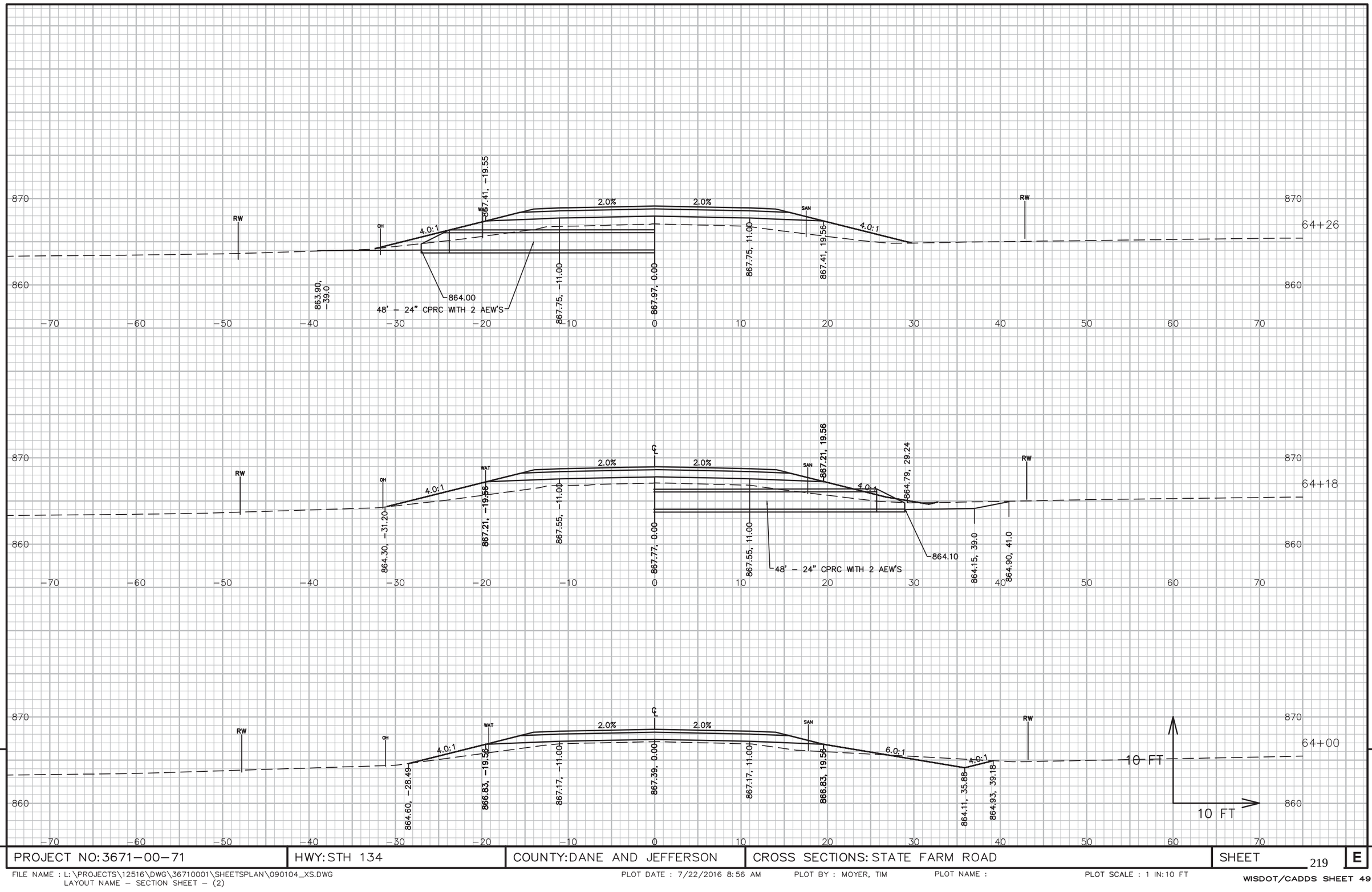


PROJECT NO: 3671−00−71	HWY: STH 134	COUNTY: DANE AND JEFFERSON	CROSS SECTIONS: STATE FARM ROAD	SHEET 218	E

FILE NAME : L:\PROJECTS\12516\DWG\36710001\SHEETSPLAN\090104_XS.DWG
LAYOUT NAME − SECTION SHEET − (1)

PLOT DATE : 7/22/2016 8:56 AM PLOT BY : MOYER, TIM PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



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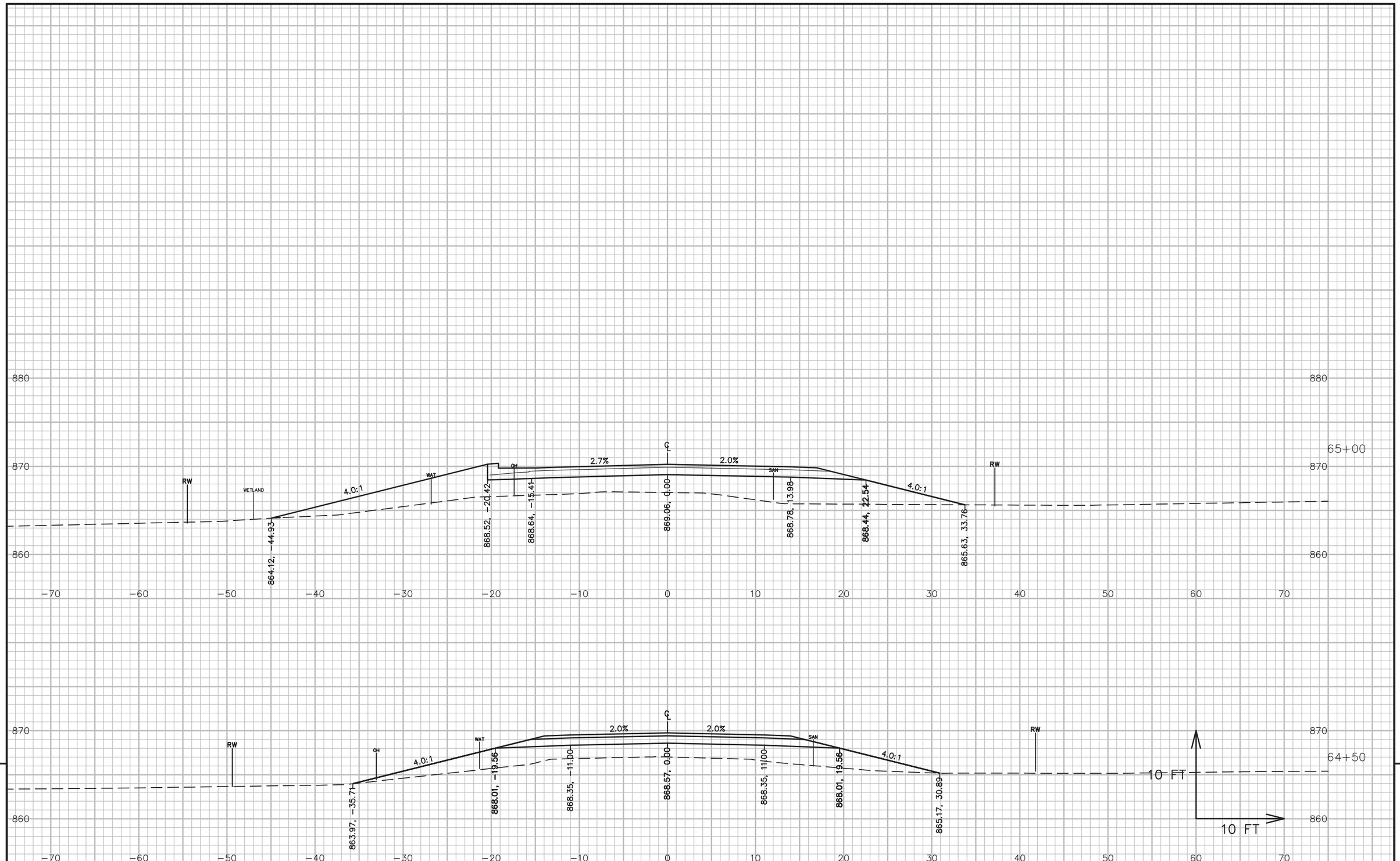
PROJECT NO: 3671-00-71	HWY: STH 134	COUNTY: DANE AND JEFFERSON	CROSS SECTIONS: STATE FARM ROAD	SHEET 219	E

FILE NAME : L:\PROJECTS\12516\DWG\36710001\SHEETSPLAN\090104_XS.DWG
LAYOUT NAME - SECTION SHEET - (2)

PLOT DATE : 7/22/2016 8:56 AM PLOT BY : MOYER, TIM PLOT NAME : PLOT SCALE : 1 IN:10 FT



9

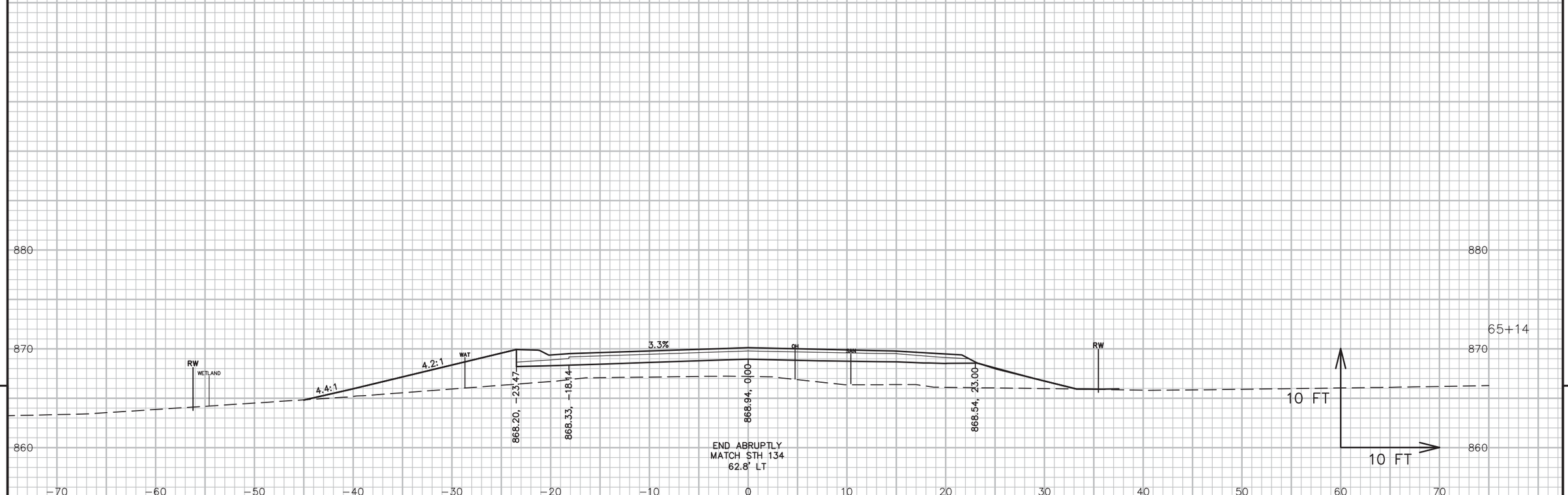
9

PROJECT NO: 3671-00-71	HWY: STH 134	COUNTY: DANE AND JEFFERSON	CROSS SECTIONS: STATE FARM ROAD	SHEET 220	E

FILE NAME : L:\PROJECTS\12516\DWG\36710001\SHEETSPLAN\090104_XS.DWG
LAYOUT NAME - SECTION SHEET - (3)

PLOT DATE : 7/22/2016 8:56 AM PLOT BY : MOYER, TIM PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



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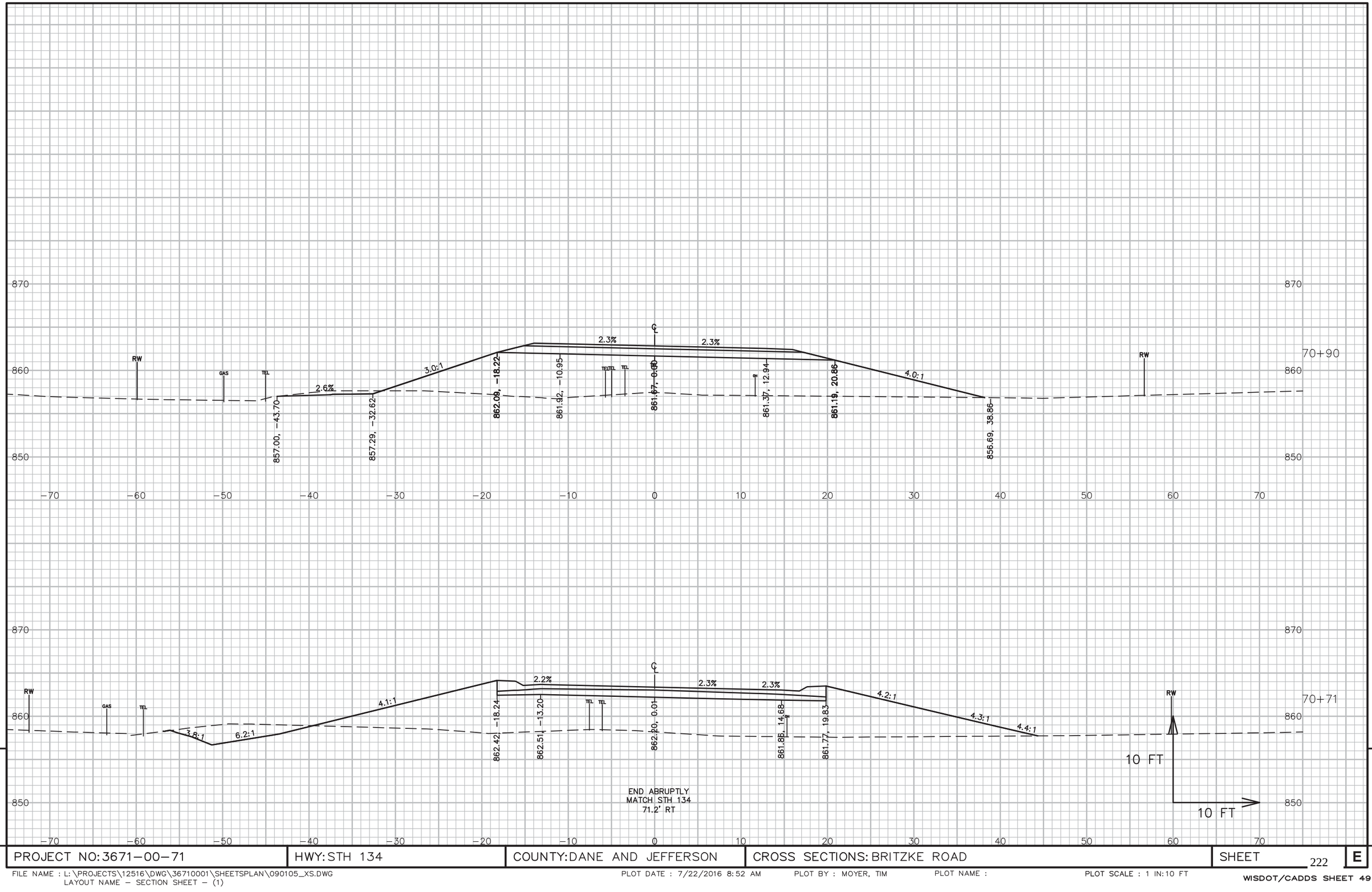
9

PROJECT NO: 3671-00-71	HWY: STH 134	COUNTY: DANE AND JEFFERSON	CROSS SECTIONS: STATE FARM ROAD	SHEET 221	E

FILE NAME : L:\PROJECTS\12516\DWG\36710001\SHEETSPLAN\090104_XS.DWG
LAYOUT NAME - SECTION SHEET - (4)

PLOT DATE : 7/22/2016 8:56 AM PLOT BY : MOYER, TIM PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



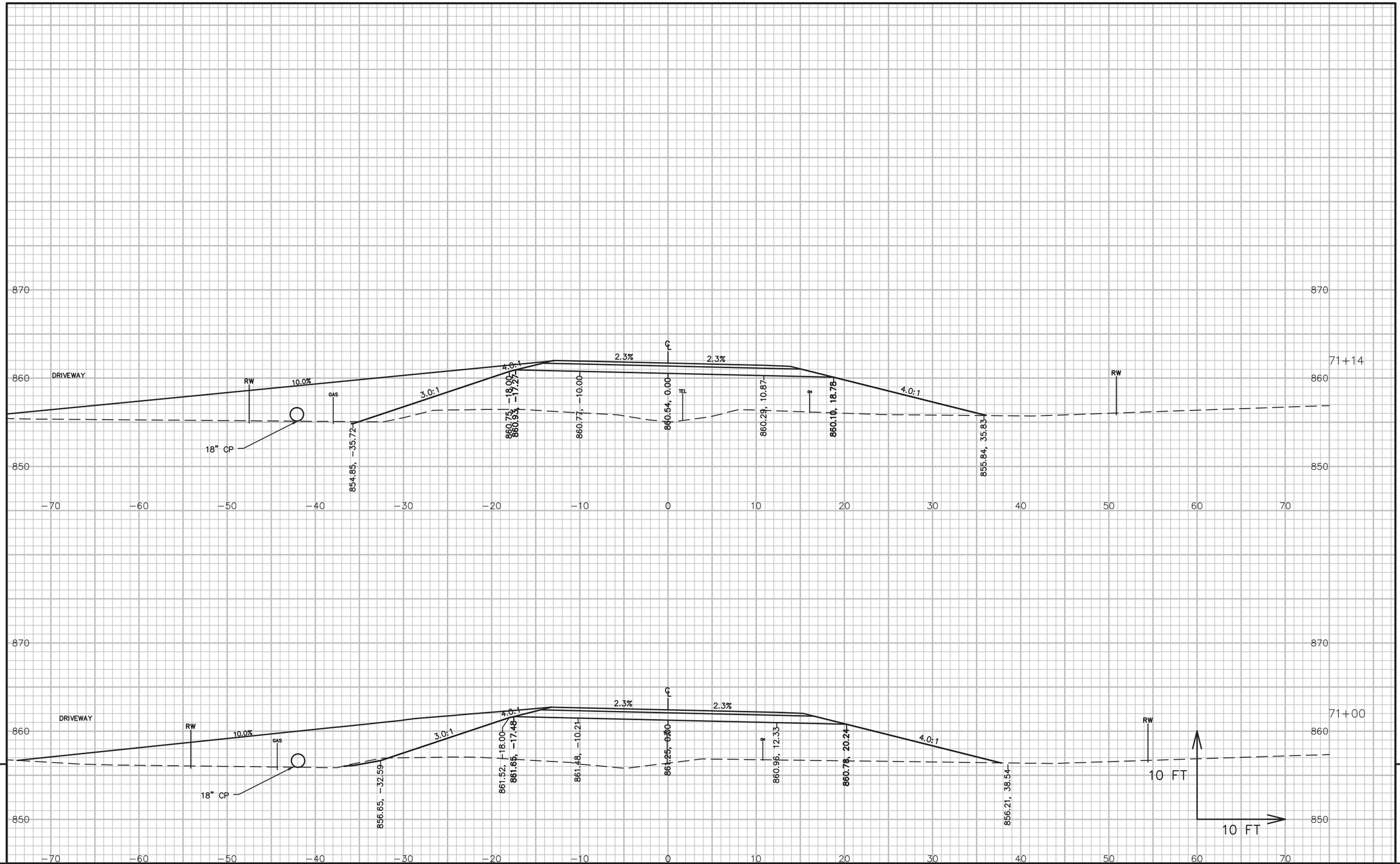
9

9

PROJECT NO: 3671-00-71	HWY: STH 134	COUNTY: DANE AND JEFFERSON	CROSS SECTIONS: BRITZKE ROAD	SHEET 222	E

FILE NAME : L:\PROJECTS\12516\DWG\36710001\SHEETSPLAN\090105_XS.DWG
LAYOUT NAME - SECTION SHEET - (1)

PLOT DATE : 7/22/2016 8:52 AM PLOT BY : MOYER, TIM PLOT NAME : PLOT SCALE : 1 IN:10 FT



9

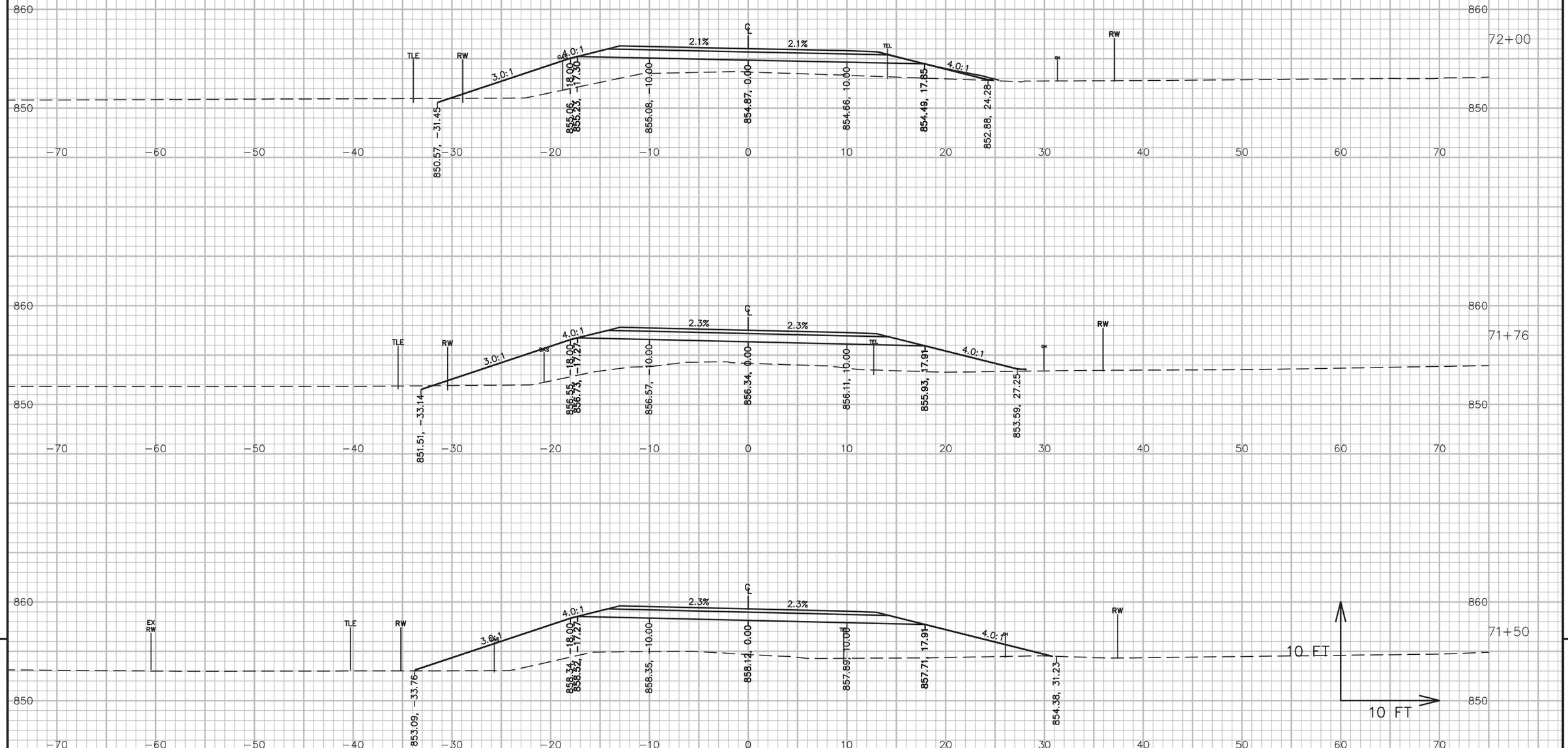
9

PROJECT NO: 3671-00-71	HWY: STH 134	COUNTY: DANE AND JEFFERSON	CROSS SECTIONS: BRITZKE ROAD	SHEET 223	E

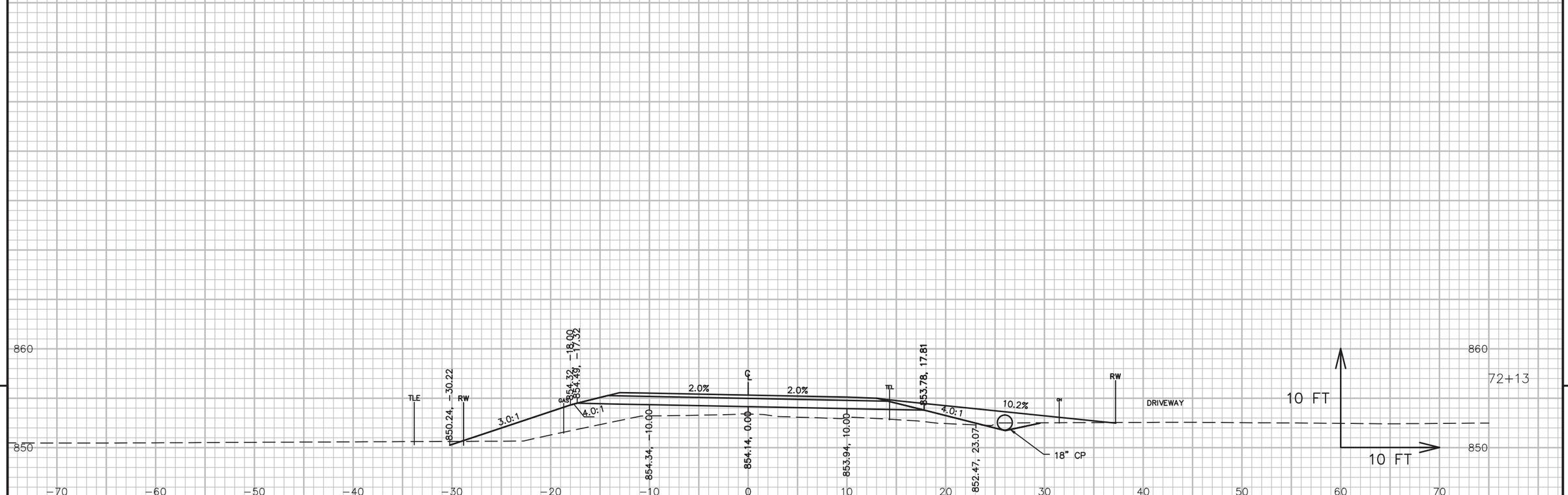
FILE NAME : L:\PROJECTS\12516\DWG\36710001\SHEETSPLAN\090105_XS.DWG
LAYOUT NAME - SECTION SHEET - (2)

PLOT DATE : 7/22/2016 8:52 AM PLOT BY : MOYER, TIM PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



PROJECT NO: 3671-00-71	HWY: STH 134	COUNTY: DANE AND JEFFERSON	CROSS SECTIONS: BRITZKE ROAD	SHEET 224	E



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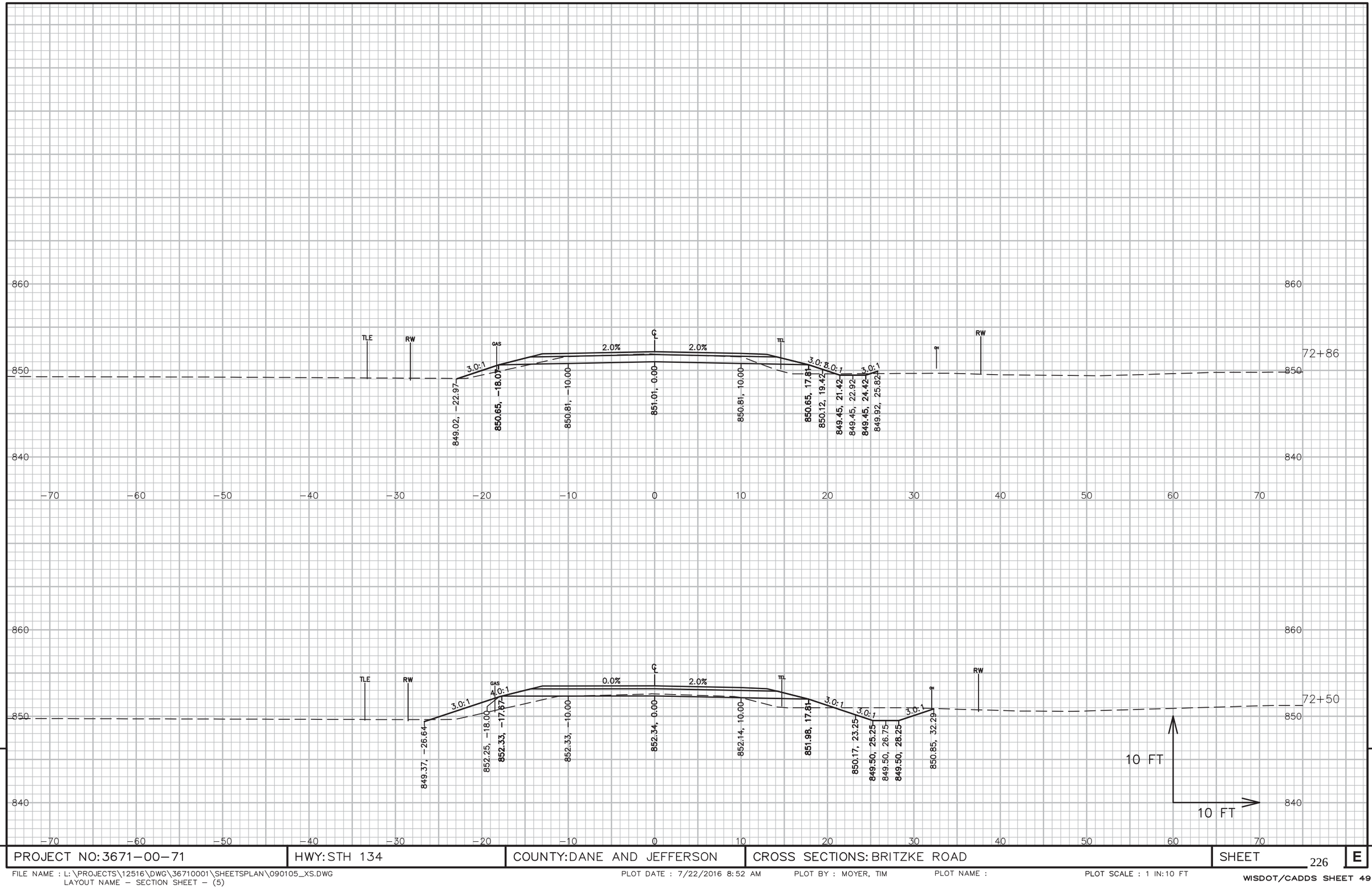
9

PROJECT NO: 3671−00−71	HWY: STH 134	COUNTY: DANE AND JEFFERSON	CROSS SECTIONS: BRITZKE ROAD	SHEET 225	E

FILE NAME : L:\PROJECTS\12516\DWG\36710001\SHEETSPLAN\090105_XS.DWG
LAYOUT NAME − SECTION SHEET − (4)

PLOT DATE : 7/22/2016 8:52 AM PLOT BY : MOYER, TIM PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



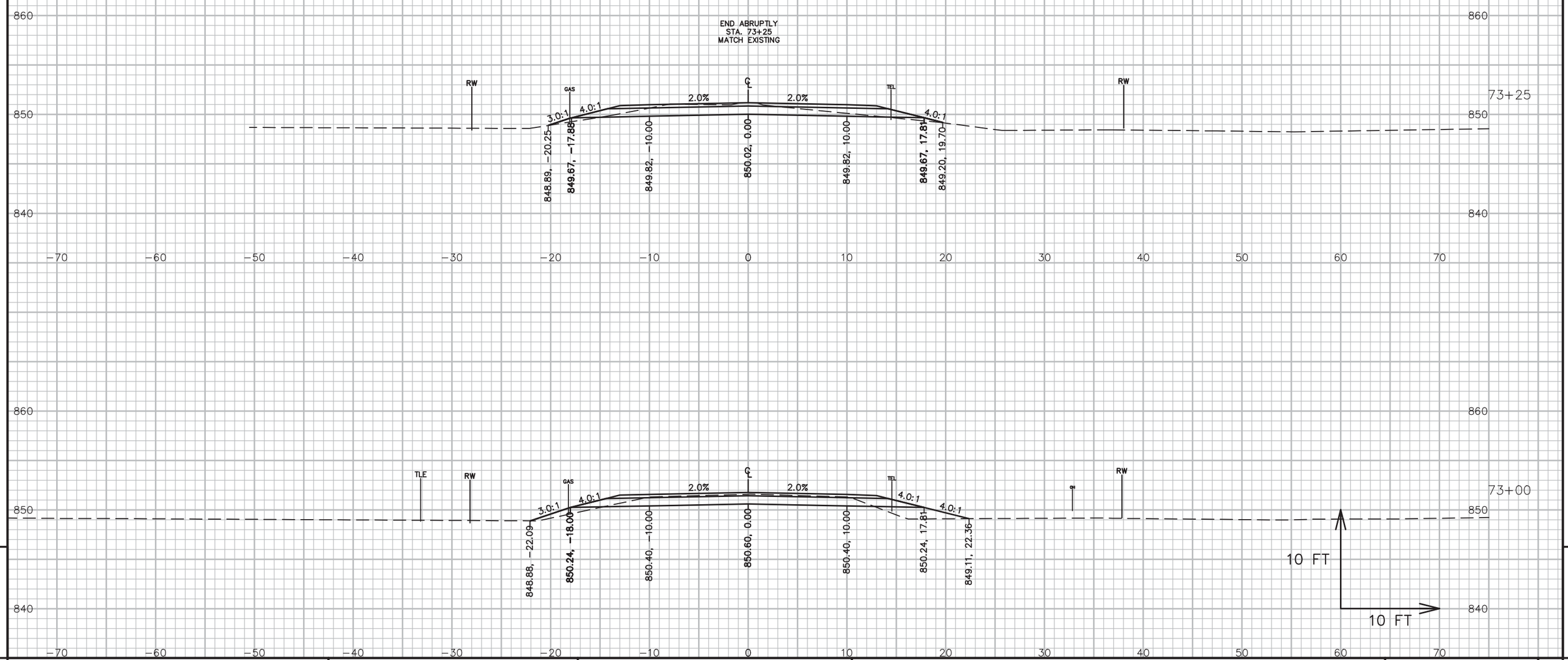
9	PROJECT NO: 3671−00−71	HWY: STH 134	COUNTY: DANE AND JEFFERSON	CROSS SECTIONS: BRITZKE ROAD	SHEET 226 E

FILE NAME : L:\PROJECTS\12516\DWG\36710001\SHEETSPLAN\090105_XS.DWG
LAYOUT NAME − SECTION SHEET − (5)

PLOT DATE : 7/22/2016 8:52 AM PLOT BY : MOYER, TIM PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49

END ABRUPTLY
STA. 73+25
MATCH EXISTING



PROJECT NO: 3671-00-71	HWY: STH 134	COUNTY: DANE AND JEFFERSON	CROSS SECTIONS: BRITZKE ROAD	SHEET 227	E

FILE NAME : L:\PROJECTS\12516\DWG\36710001\SHEETSPLAN\090105_XS.DWG
LAYOUT NAME - SECTION SHEET - (6)

PLOT DATE : 7/22/2016 8:53 AM PLOT BY : MOYER, TIM PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49

Wisconsin Department of Transportation

Dedicated people creating transportation solutions
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