

NWL

PROJECT ID: 7826-05-70
WITH: N/A

COUNTY: EAU CLAIRE

MAR 2015

ORDER OF SHEETS

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

TOTAL SHEETS = 118



DESIGN DESIGNATION

A.A.D.T. (2014) = 690 VPD
A.A.D.T. (2034) = 850 VPD
D.H.V. = ---
D.D. = 50/50
T. = 7.4%
DESIGN SPEED = 50 MPH
ESALS = 109,500

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
MARSH AREA
WOODED OR SHRUB AREA

- PROFILE
GRADE LINE
ORIGINAL GROUND
MARSH OR ROCK PROFILE (To be noted as such)
SPECIAL DITCH
GRADE ELEVATION
CULVERT (Profile View)
UTILITIES
ELECTRIC
FIBER OPTIC
GAS
SANITARY SEWER
STORM SEWER
TELEPHONE
WATER
UTILITY PEDESTAL
POWER POLE
TELEPHONE POLE

BEGIN PROJECT
STA. 105+10.00
Y = 253177.13
X = 355347.03

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED IMPROVEMENT

STH 93 - USH 53

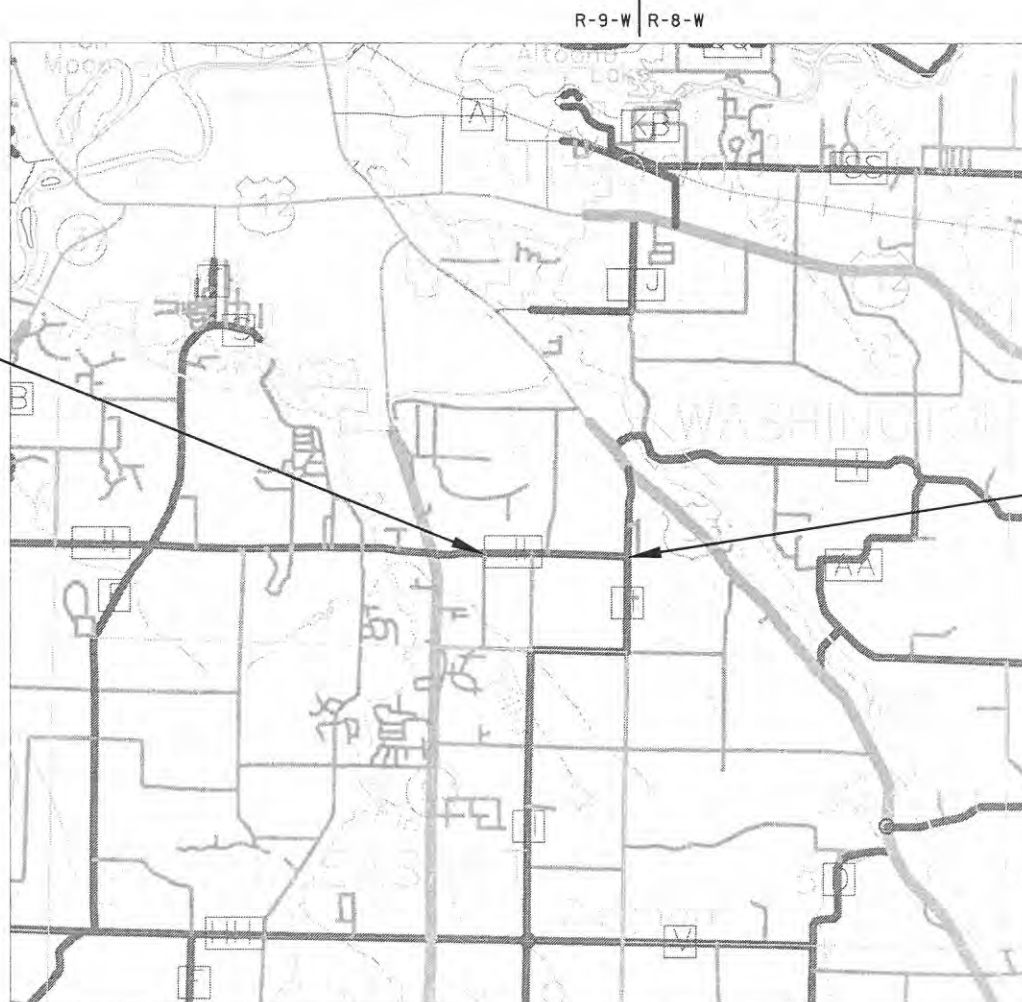
(TALMADGE ROAD TO CTH I)

CTH II

EAU CLAIRE COUNTY

STATE PROJECT NUMBER

7826-05-70



LAYOUT
SCALE 0 1 MI.

TOTAL NET LENGTH OF CENTERLINE = 1.488 MI.

HORIZONTAL POSITIONS SHOWN ON THIS PLAN ARE WISCONSIN COUNTY COORDINATES, EAU CLAIRE COUNTY, NAD83 (1983), IN U.S. SURVEY FEET. VALUES ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

STATE PROJECT

7826-05-70

FEDERAL PROJECT

PROJECT

WISC 2015152

CONTRACT

1

ACCEPTED FOR
EAU CLAIRE COUNTY

10-20-2014
DATE
COUNTY COMMISSIONER

ORIGINAL PLANS PREPARED BY

AYRES ASSOCIATES



DATE: 10/20/14

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PREPARED BY

Surveyor AYRES ASSOCIATES

Designer AYRES ASSOCIATES

Management Consultant KNIGHT E/A, INC.

C.O. Examiner

APPROVED FOR THE DEPARTMENT

DATE: 10/20/14
Ryan B. McKame
(Management Consultant Signature)

E

GENERAL NOTES

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

DRAINAGE
PRIOR TO ORDERING DRAINAGE PIPES, THE CONTRACTOR SHALL FIELD VERIFY RELATED DRAINAGE INFORMATION IN THE PLAN WITH THE ENGINEER.

CROSS DRAIN PIPE LOCATIONS AND ELEVATIONS AS SHOWN ON THE CROSS SECTIONS SHEETS ARE APPROXIMATE AND SHALL BE ADJUSTED TO FIT FIELD CONDITIONS.

EXISTING PIPE CULVERT SIZES SHOWN ARE APPROXIMATE AND THE CONTRACTOR WILL BASE IT'S BID ON THE ACTUAL FIELD CONDITIONS.

GRADING/EROSION CONTROL
EXCAVATION BELOW SUBGRADE (EBS) IS NOT USED TO BALANCE EARTHWORK. EBS IS MEASURED AND PAID FOR AS EXCAVATION COMMON. EXACT LOCATIONS OF EBS WILL BE DETERMINED BY THE ENGINEER.

SEED, INSTALL EROSION MAT, MULCH AND FERTILIZE ALL SALVAGED TOPSOILED AREAS WITHIN 7 WORKING DAYS AFTER GRADING WORK IS COMPLETED.

SEED MIXTURE NO.20 SHALL BE USED THROUGHOUT THE PROJECT, EXCEPT LAWN AREAS WHERE NO.40 SHALL BE USED.

MISCELLANEOUS
A SAWED JOINT WILL BE REQUIRED WHERE NEW PAVEMENT IS TO MEET AN EXISTING PAVED SURFACE.

EXACT LOCATION OF ALL DRIVEWAY ENTRANCES TO BE DETERMINED BY THE ENGINEER IN THE FIELD.

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

STATIONING, DISTANCES, AND OFFSETS FOR SIGNS SHOWN IN THE PLANS ARE APPROXIMATE AND THE FINAL LOCATION OF SIGNS ARE TO BE DETERMINED BY THE ENGINEER.

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

TACK COAT HAS BEEN ESTIMATED AT AN APPLICATION RATE OF 0.05-0.07 GAL./S.Y. AND SHALL BE PLACED BETWEEN THE LAYERS OF ASPHALTIC PAVEMENT.

HMA PAVEMENT WEIGHT CALCULATIONS ARE BASED ON 112 LB/SY/IN.

CURVE DATA IS BASED ON THE RADIUS DEFINITION.

ALL CURB RADII ARE MEASURED TO THE FLANGE UNLESS OTHERWISE NOTED.

ELEVATIONS SHOWN ON THIS PLAN ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).

END ASPHALTIC FLUMES AT BEGINNING OF RIPRAP WHERE RIPRAP IS USED ALONG DITCH BOTTOM.

COUNTY CONTACT

EAU CLAIRE COUNTY HIGHWAY DEPARTMENT
2000 SPOONER AVENUE
ALTOONA, WI 54720
ATTN: ROD THORSON, PE
rod.thorson@co.eau-claire.wi.us
(715) 839-2952

DESIGN CONTACT

AYRES ASSOCIATES
3433 OAKWOOD HILLS PARKWAY
EAU CLAIRE, WI 54701
ATTN: ERIC SORENSEN, PE
sorensene@ayresassociates.com
(715) 834-3161

DNR CONTACT

DNR WEST CENTRAL REGION HQ
1300 WEST CLAIREMONT
EAU CLAIRE, WI 54702
ATTN: CHRIS WILLGER
christopher.j.willger@wisconsin.gov
(715) 839-1609

UTILITIES

AT&T
304 SOUTH DEWEY STREET
EAU CLAIRE, WI 54701
(715) 839-5565
ATTN: RICK PODOLAK
rp4514@att.com

CHARTER COMMUNICATIONS
1201 MCCANN DRIVE
ALTOONA, WI 54720
ATTN: SHANE YODER
(715) 831-8940 EXT 619
shane.yoder@charter.com

EAU CLAIRE ENERGY COOPERATIVE
8214 US HIGHWAY 12
P.O. BOX 368
FALL CREEK, WI 54742
ATTN: DON DRAEGER
(715) 836-6479
ddraeger@ceec.com

XCEL ENERGY
1400 WESTERN AVENUE
P.O. BOX 8
EAU CLAIRE, WI 54702
ATTN: SCOTT SEAHOLM
(715) 737-2584
scott.j.seaholm@xcelenergy.com

DAIRYLAND POWER COOPERATIVE
P.O. BOX 871
LA CROSSE, WI 54602
ATTN: KURT CHILDS
(608) 787-1241
kdc@dlrynet.com

*DENOTES UTILITIES THAT ARE NOT
DIGGERS HOTLINE MEMBERS

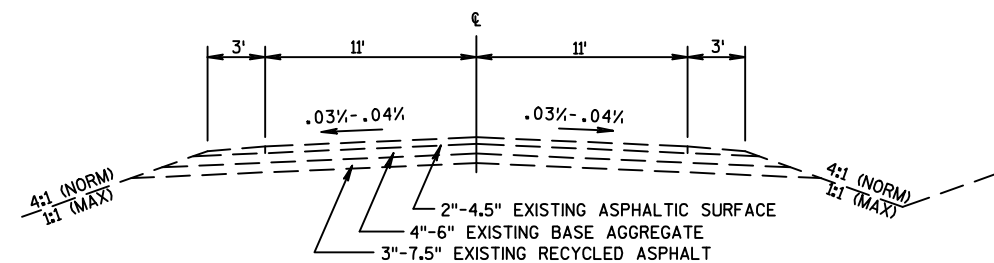
DIGGERS



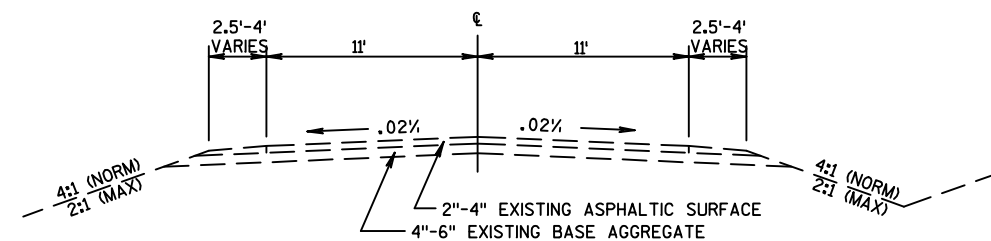
HOTLINE

Dial  or (800)242-8511

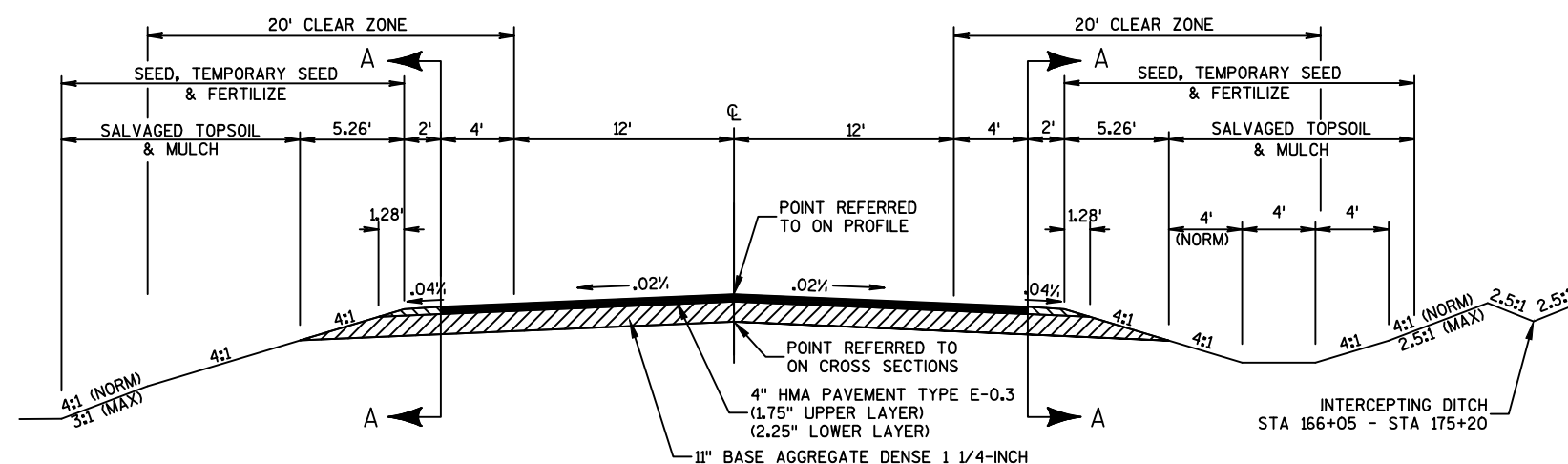
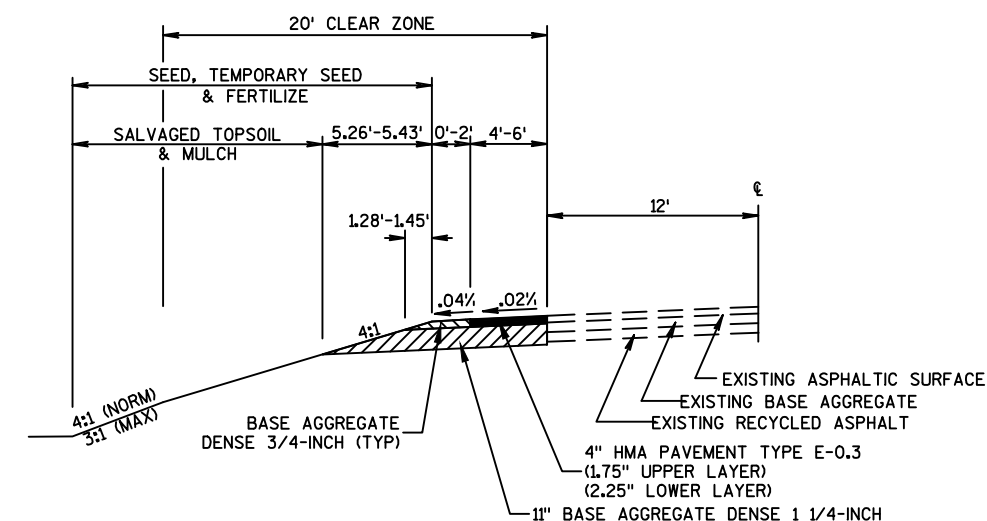
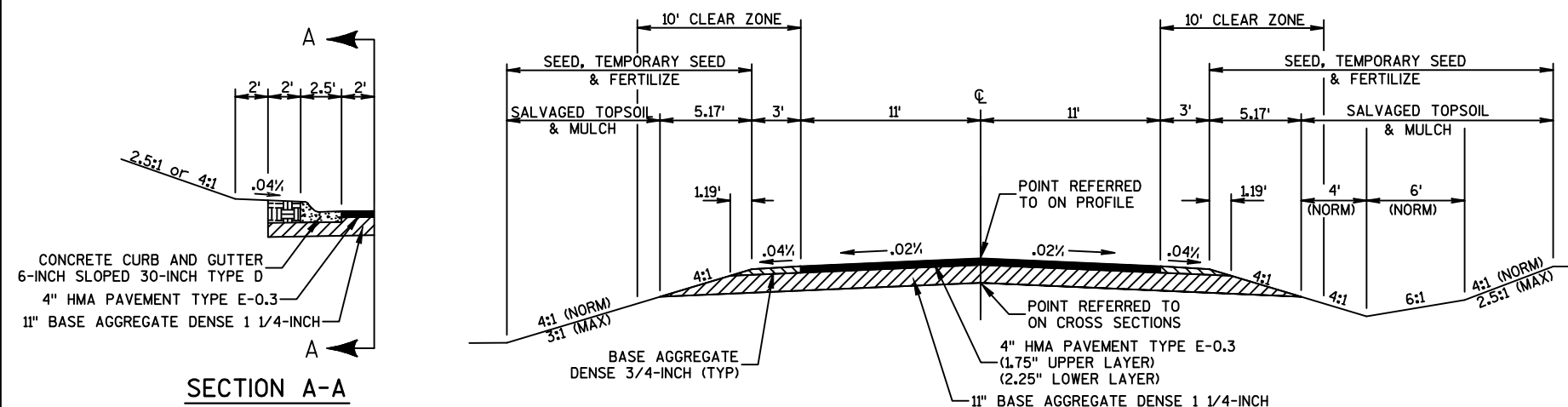
www.DiggersHotline.com



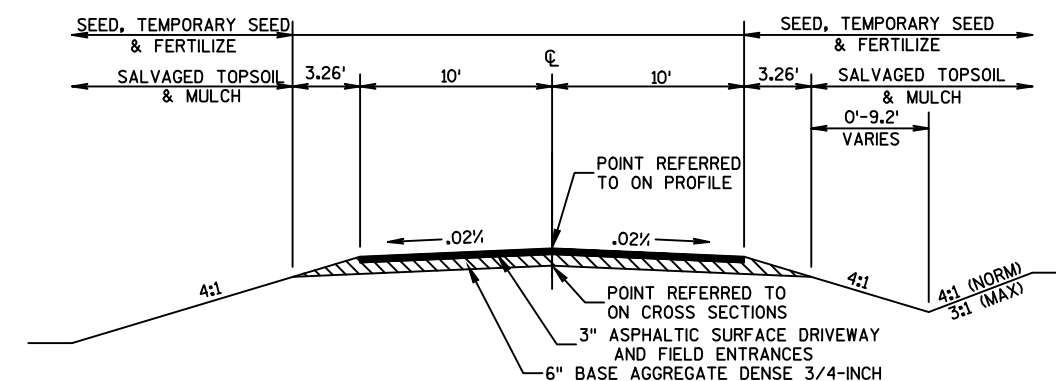
EXISTING TYPICAL SECTION CTH II



EXISTING TYPICAL SECTION SIDEROAD

PEUSE RD
GRAFF RDFINISHED TYPICAL SECTION CTH II
STA 105+10.00 - STA 183+67.13FINISHED TYPICAL SECTION CTH I
STA 50+01 - STA 53+00
CULVERT PIPE REPLACEMENT AT STA 51+52

FINISHED TYPICAL SECTION SIDEROAD

PEUSE RD
GRAFF RD

FINISHED TYPICAL SECTION DRIVEWAY

SMITH TREE FARM
STA 60+18.00 - STA 62+10.00

SECTION A-A

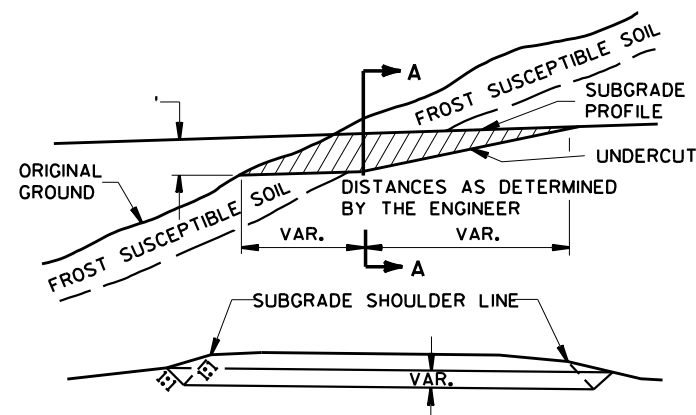
STA 130+50.00 - STA 132+50.00, LT
STA 167+00.00 - STA 174+00.00, RT
STA 169+00.00 - STA 173+00.00, LTLEFT SHOULDER SHOWN REVERSE FOR
RIGHT SHOULDER.

RUNOFF COEFFICIENT TABLE

	HYDROLOGIC SOIL GROUP											
	A			B			C			D		
	SLOPE RANGE (PERCENT)			SLOPE RANGE (PERCENT)			SLOPE RANGE (PERCENT)			SLOPE RANGE (PERCENT)		
LAND USE:	0-2	2-6	6 & OVER	0-2	2-6	6 & OVER	0-2	2-6	6 & OVER	0-2	2-6	6 & OVER
ROW CROPS	.08 .22	.16 .30	.22 .38	.12 .26	.20 .34	.27 .44	.15 .30	.24 .37	.33 .50	.19 .34	.28 .41	.38 .56
MEDIAN STRIP-TURF	.19 .24	.20 .26	.24 .30	.19 .25	.22 .28	.26 .33	.20 .26	.23 .30	.30 .37	.20 .27	.25 .32	.30 .40
SIDE SLOPE-TURF			.25 .32			.27 .34			.28 .36			.30 .38
PAVEMENT:												
ASPHALT	.70 - .95											
CONCRETE	.80 - .95											
BRICK	.70 - .80											
DRIVES, WALKS	.75 - .85											
ROOFS	.75 - .95											
GRAVEL ROADS, SHOULDERS	.40 - .60											

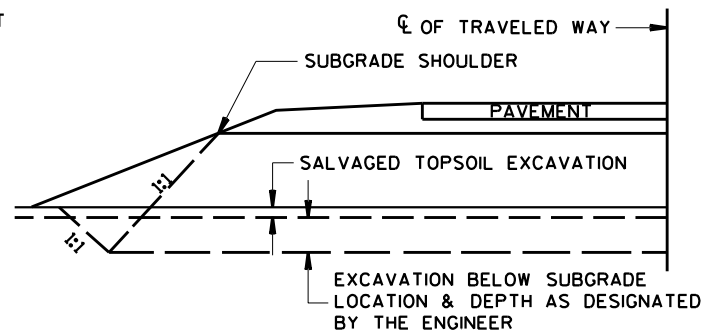
TOTAL PROJECT AREA = 25.78 ACRES

TOTAL AREA EXPECTED TO BE DISTURBED BY CONSTRUCTION ACTIVITIES = 20.28 ACRES

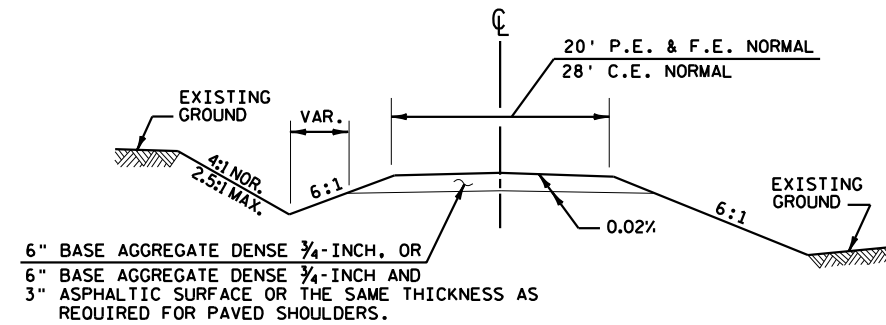


SECTION A-A
CROSS SECTION SHOWING UNDERCUT
DETAIL FOR EXCAVATION BELOW
SUBGRADE AT CUTS

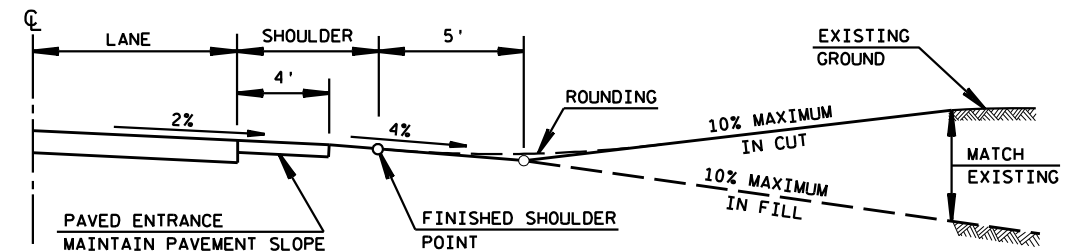
NOTE: EXACT LOCATIONS AND EXTENT OF E.B.S. SECTIONS SHALL BE DETERMINED BY THE ENGINEER IN THE FIELD.
E.B.S. AREA TO BE BACKFILLED WITH MATERIAL ACCEPTABLE TO THE ENGINEER
BACKFILL MUST BE HOMOGENEOUS WITH ADJOINING FILL MATERIAL.
THE FILL SECTION WITHIN 100' OF THE MOUTH OF THE CUT MUST BE KEPT 2' BELOW SUBGRADE UNTIL E.B.S. IS COMPLETED.



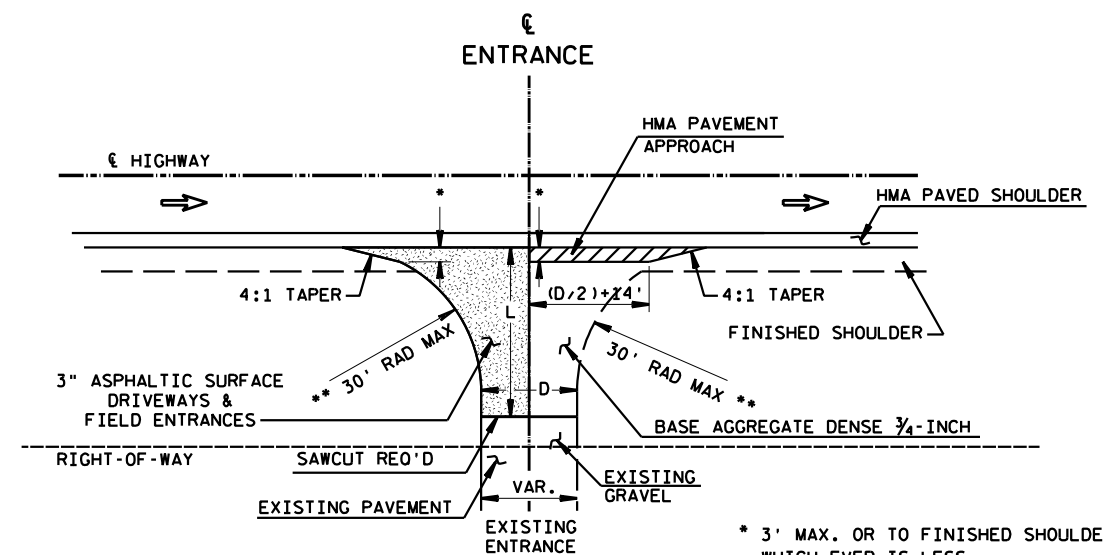
DETAIL FOR EXCAVATION BELOW SUBGRADE



TYPICAL CROSS SECTION



PROFILE VIEW



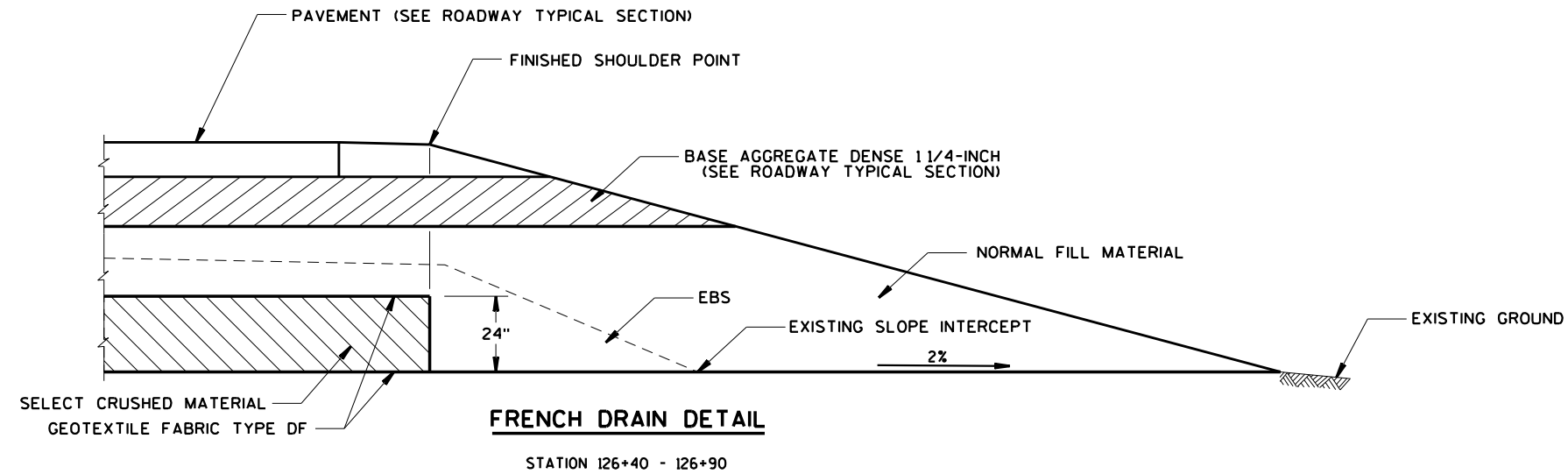
L=VARIABLE, EXACT LENGTH TO BE DETERMINED IN THE FIELD BY THE ENGINEER.
BLEND BACK ON THE ENTRANCE FAR ENOUGH TO GET A SMOOTH PROFILE.

D=DRIVEWAY WIDTH
D=20'TYP. (PE's & FE's) (12'MIN.-22'MAX.)
D=28'TYP. (CE's & FARM ENT.) (24'MIN.-35'MAX.)

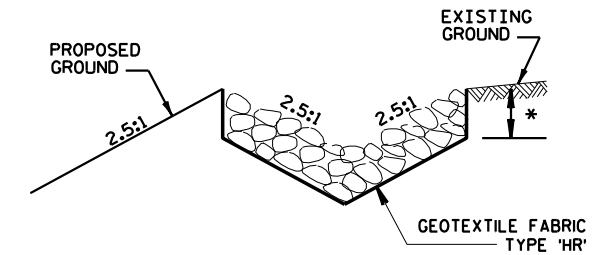
* 3' MAX. OR TO FINISHED SHOULDER WHICH EVER IS LESS.
** RADIUS IS TANGENT AT PAVED SHOULDER EDGE OR 5' MAX. OFF EDGE OF MAIN LINE PAVEMENT WHICH EVER IS LESS.
*** TREE FARM DRIVEWAY RADII VARY FROM DETAIL SHOWN. REFERENCE PLAN & PROFILE SHEETS FOR CURVE RADII.

PLAN VIEW

RURAL DRIVEWAY INTERSECTION DETAIL
(PE's, FE's & CE's)

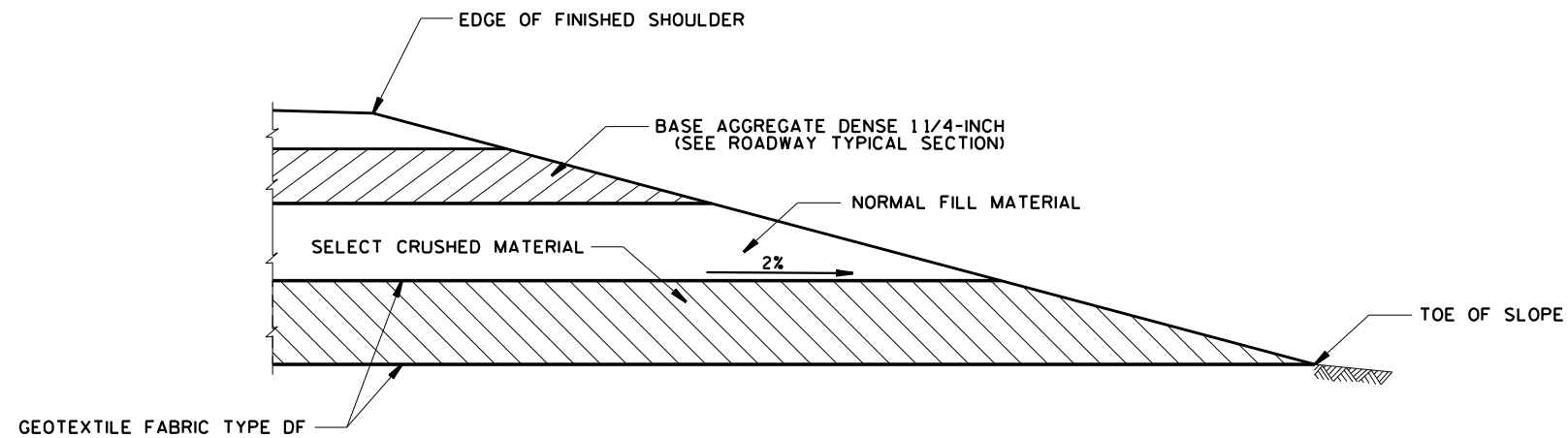


* DETAIL SHOWN FOR RIGHT SIDE OF CENTERLINE. MATCH DETAIL FOR LEFT SIDE OF CENTERLINE WITH 2% UNIFORM CROSS SLOPE DRAINING TO THE RIGHT.

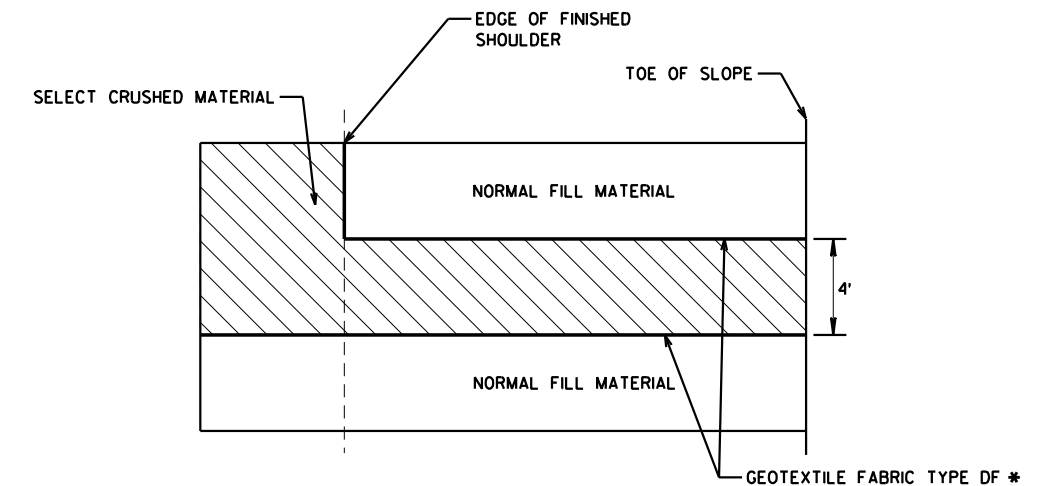


INTERCEPTING DITCH
(WITH RIPRAP)

* SEE EROSION CONTROL PLAN FOR LOCATIONS AND TYPE OF RIPRAP. USE 18" DEPTH FOR RIPRAP MEDIUM AND 24" DEPTH FOR RIPRAP HEAVY.



PROFILE VIEW

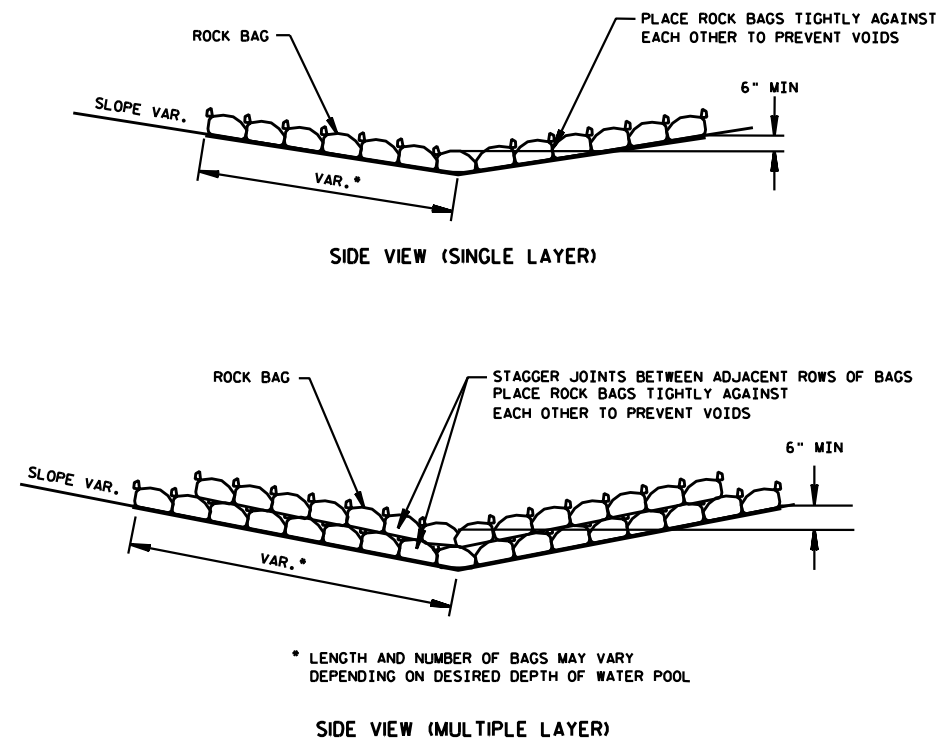


PLAN VIEW

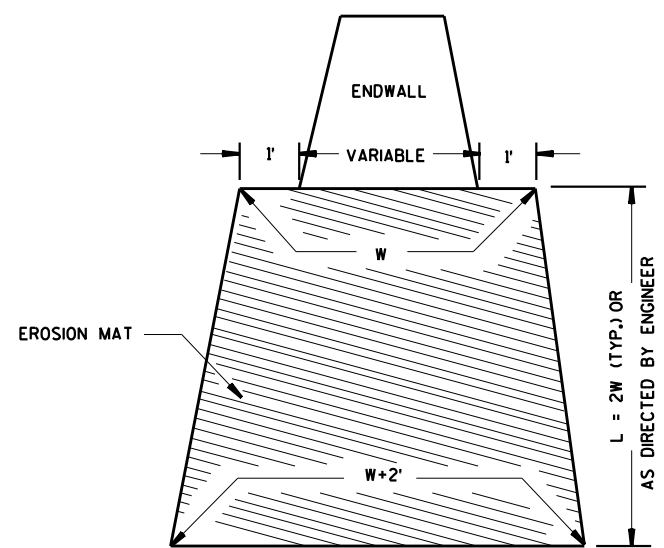
RELIEF TRENCH DETAIL

STATION 126+40, RT

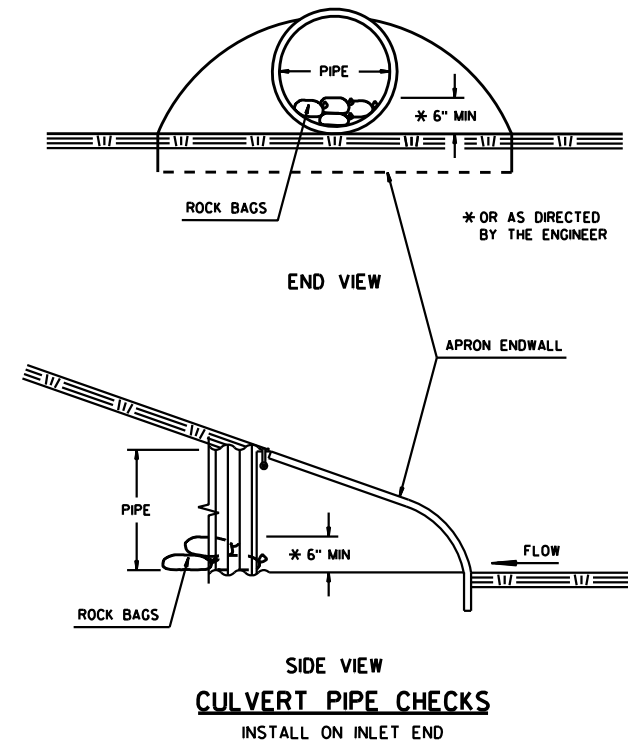
* PLACE GEOTEXTILE FABRIC TYPE DF ON BOTTOM, TOP, AND SIDES OF RELIEF TRENCH.



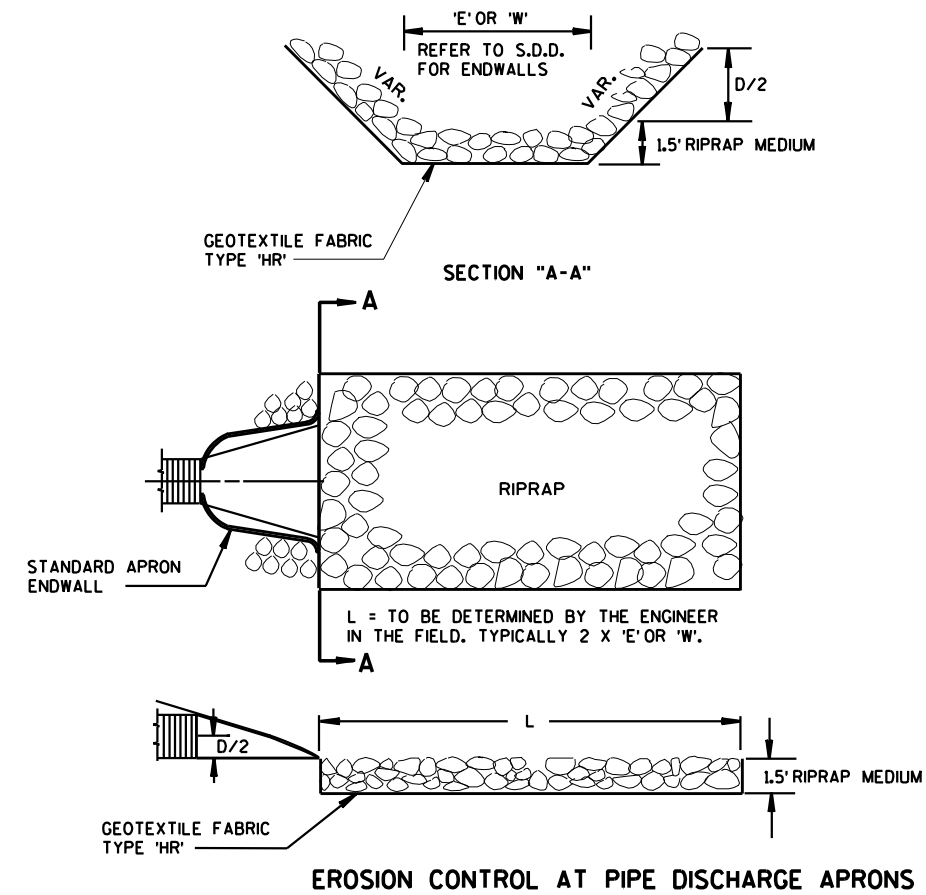
ROCK BAGS (DITCH CHECK) DETAIL



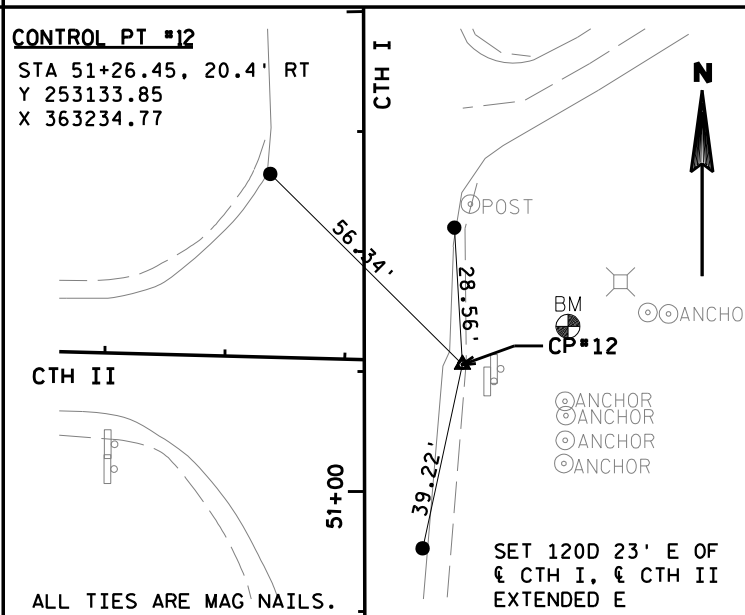
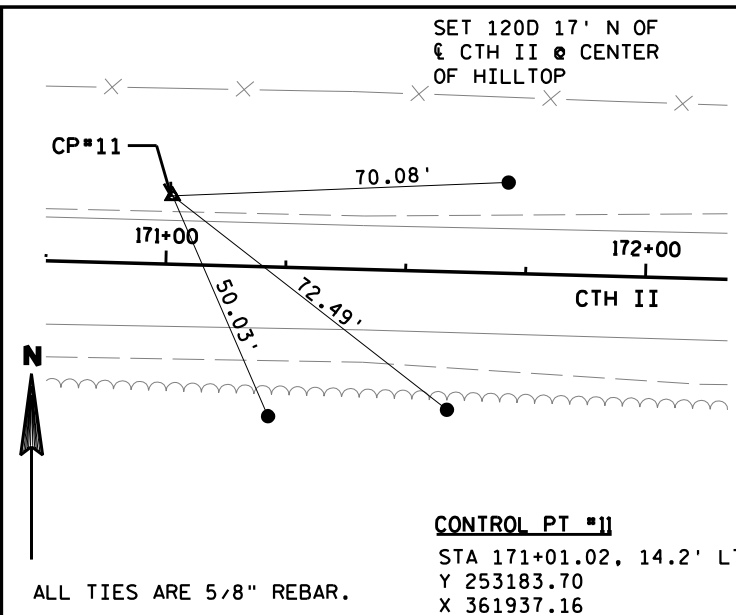
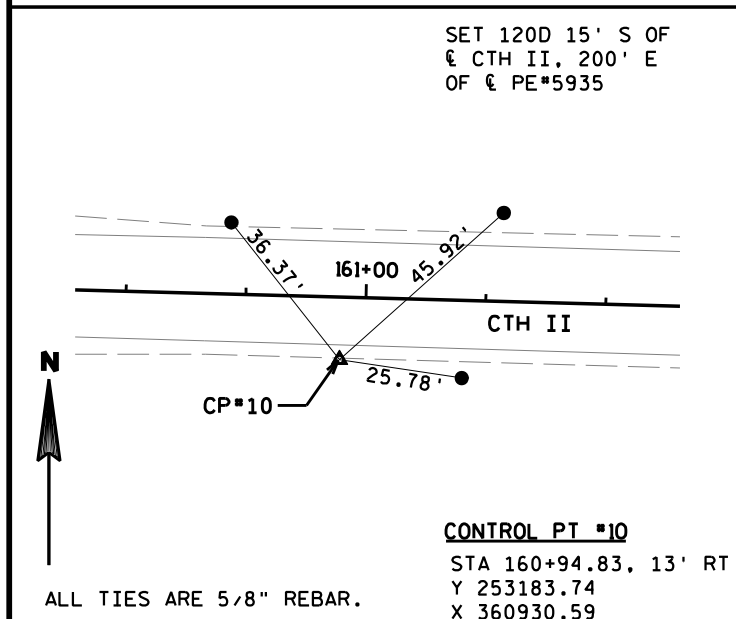
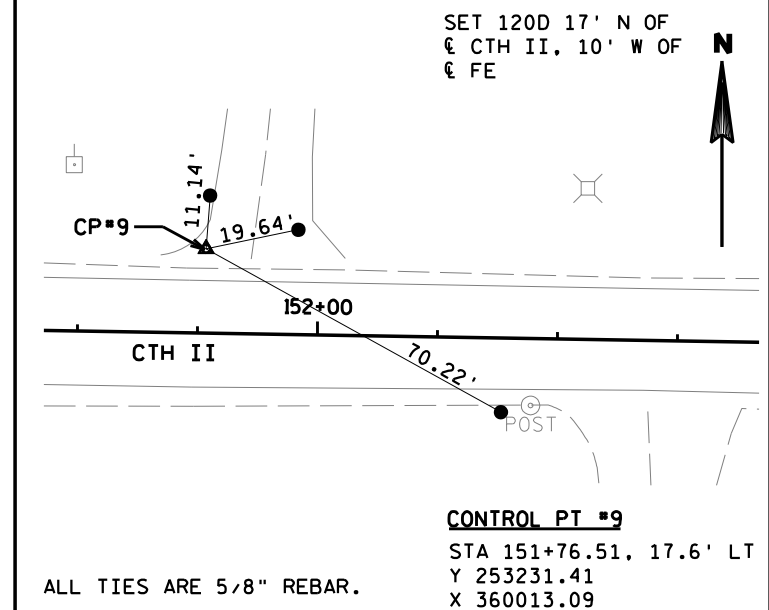
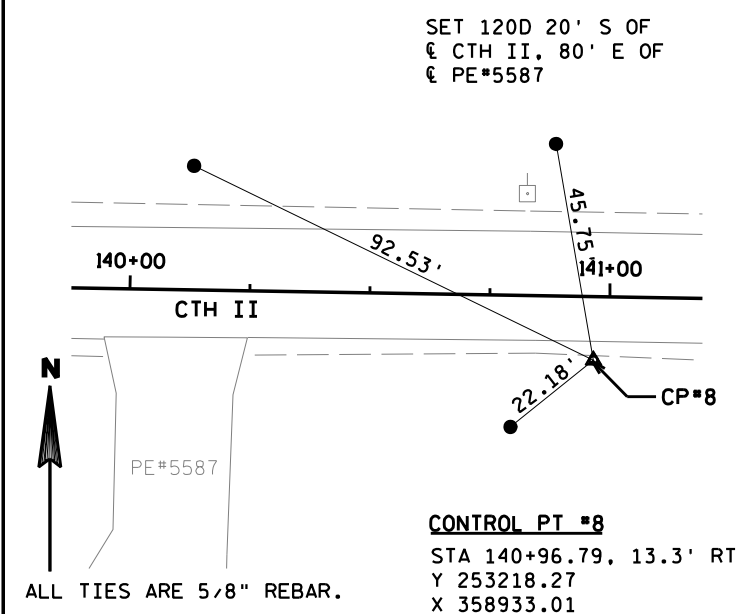
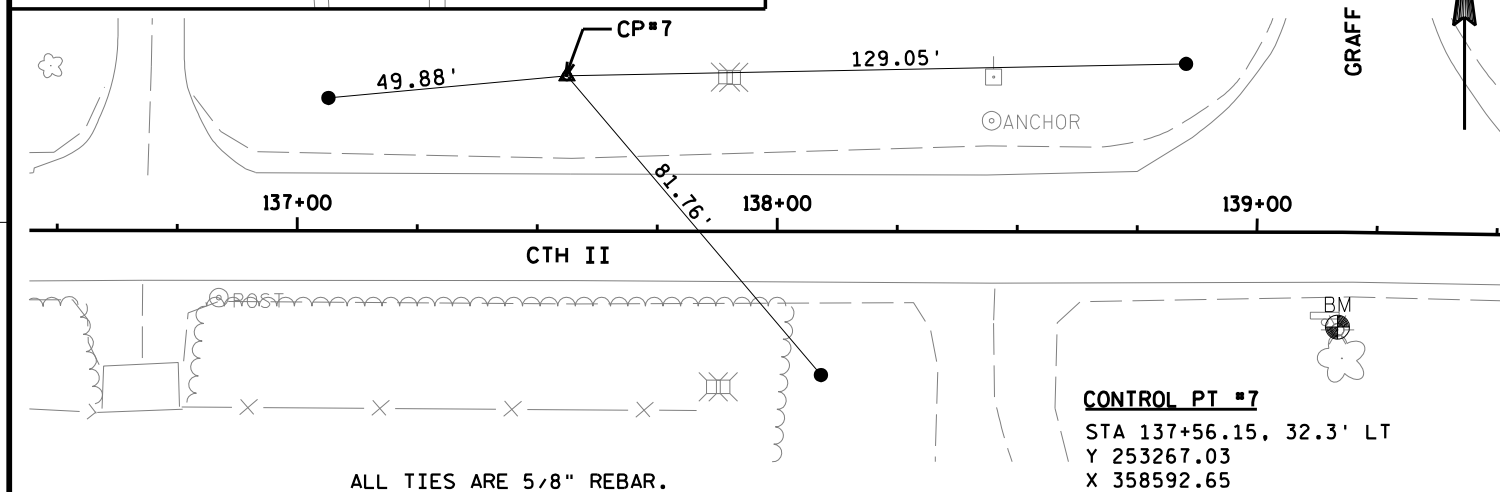
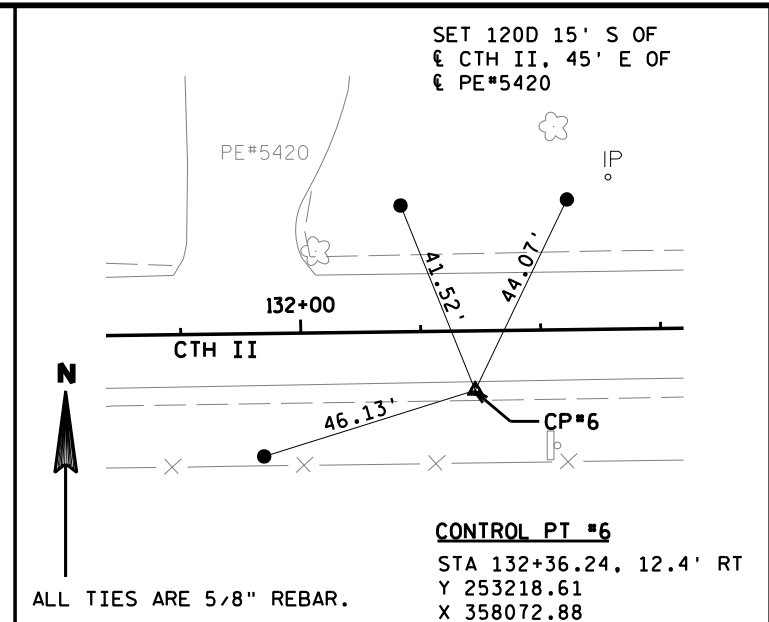
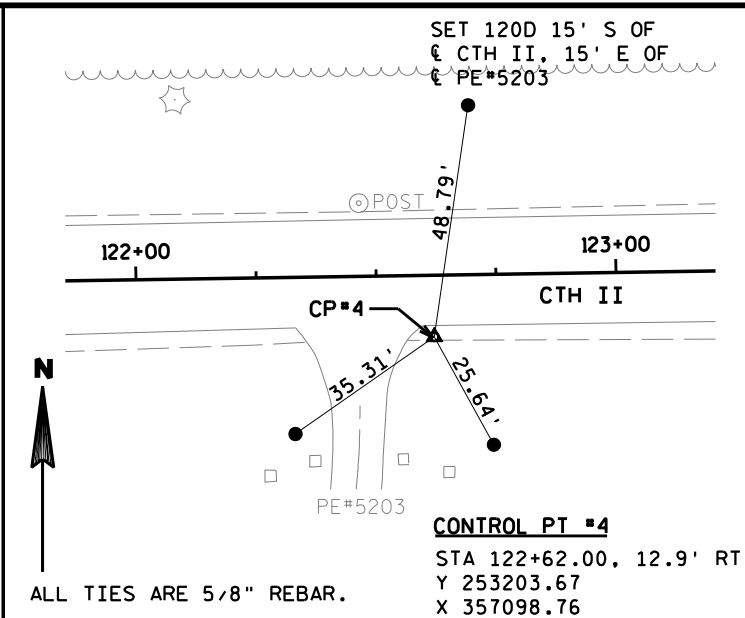
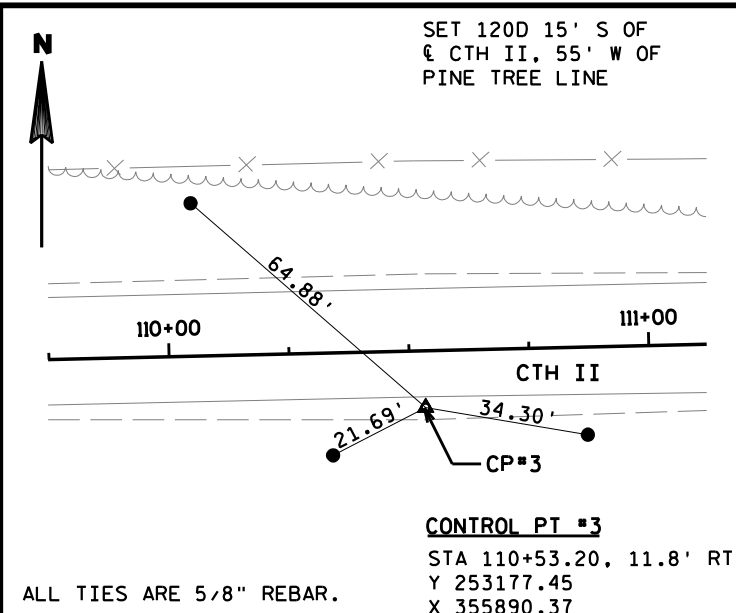
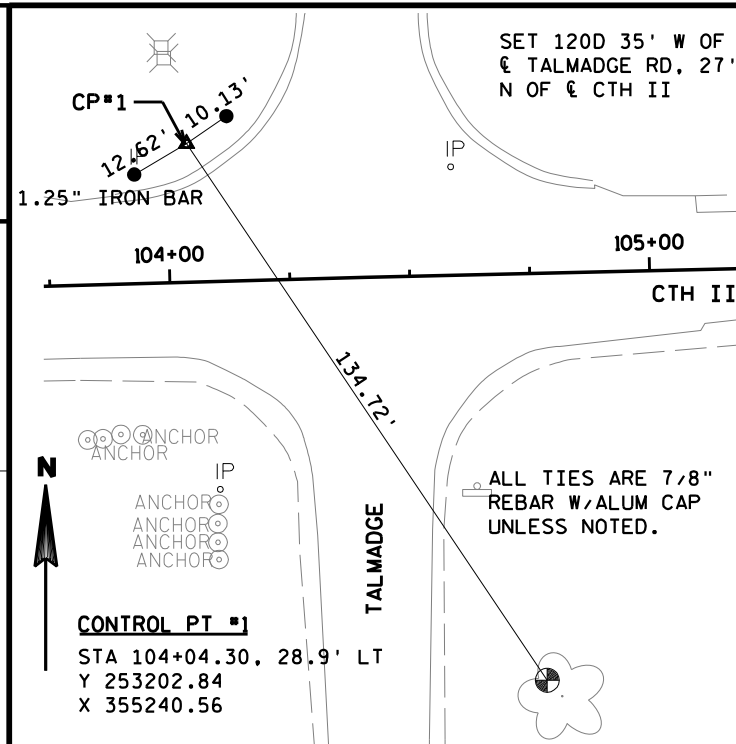
EROSION MAT TREATMENT AT CULVERTS

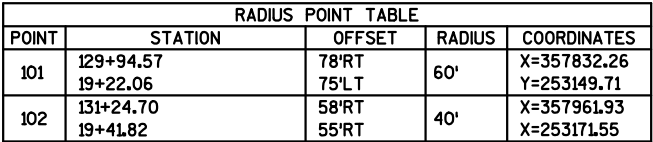


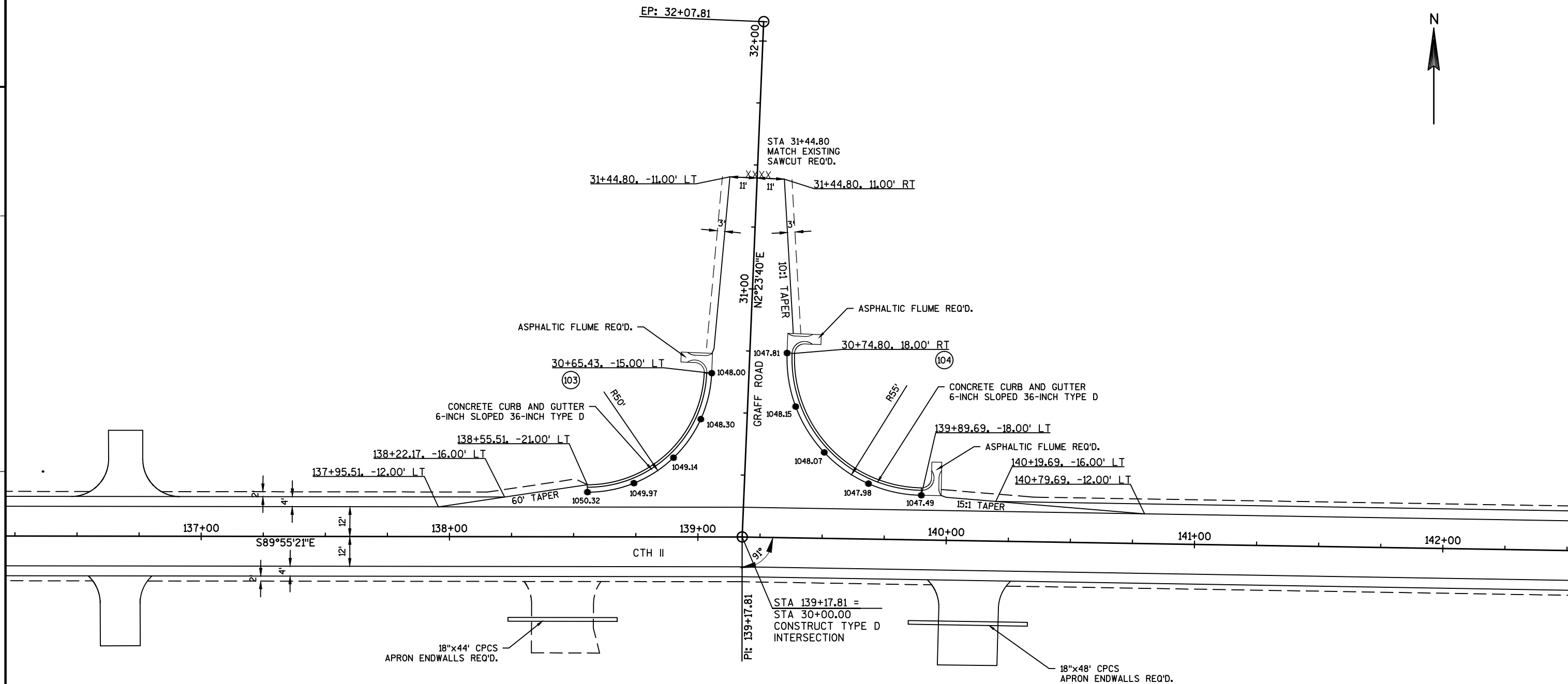
ESTIMATED BAG SIZE = 24" X 12" X 6"	
PIPE SIZE	ESTIMATED NO. OF BAGS
18"	2
24"	3
30"	5
48"	10
54"	10
60"	13
72"	16



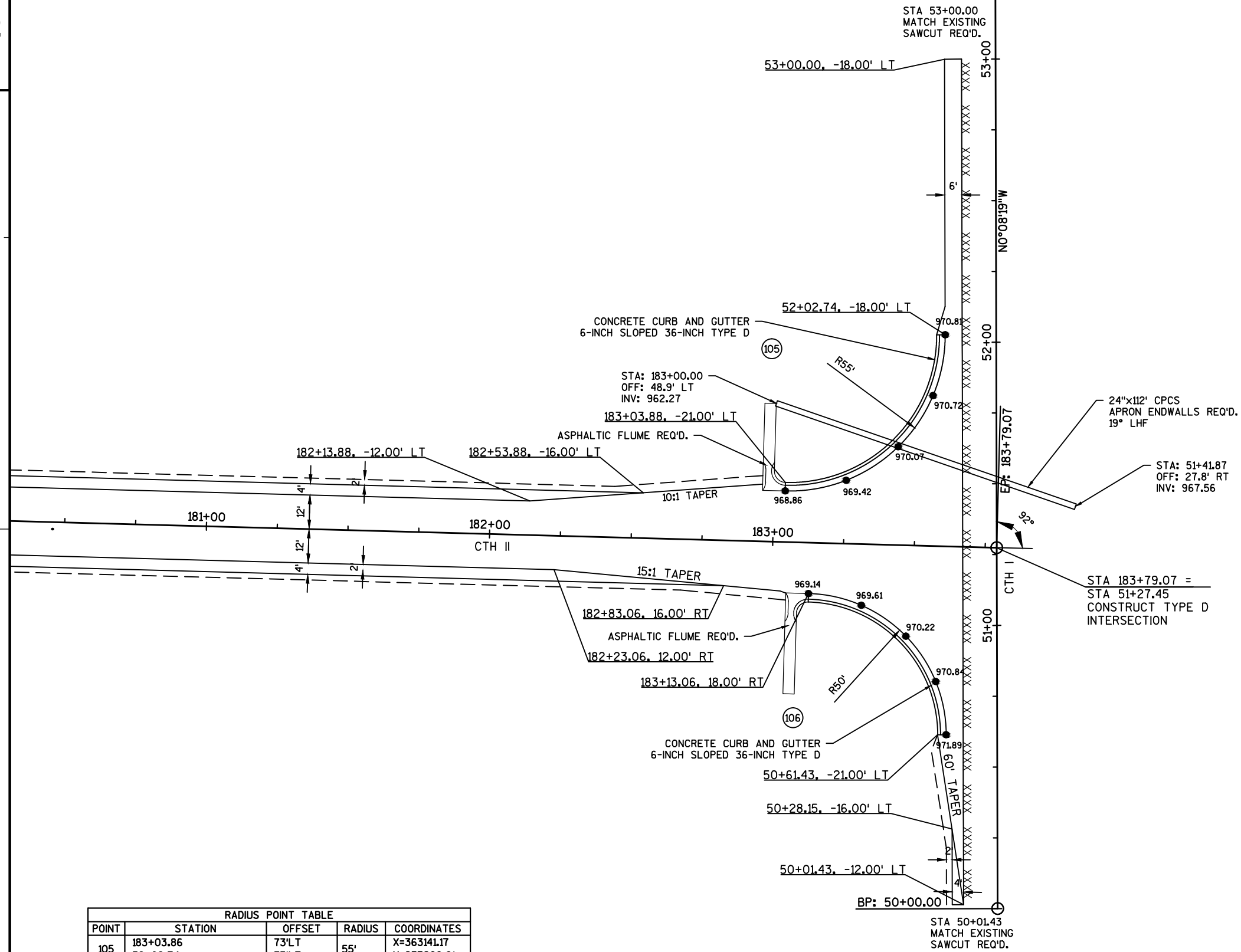
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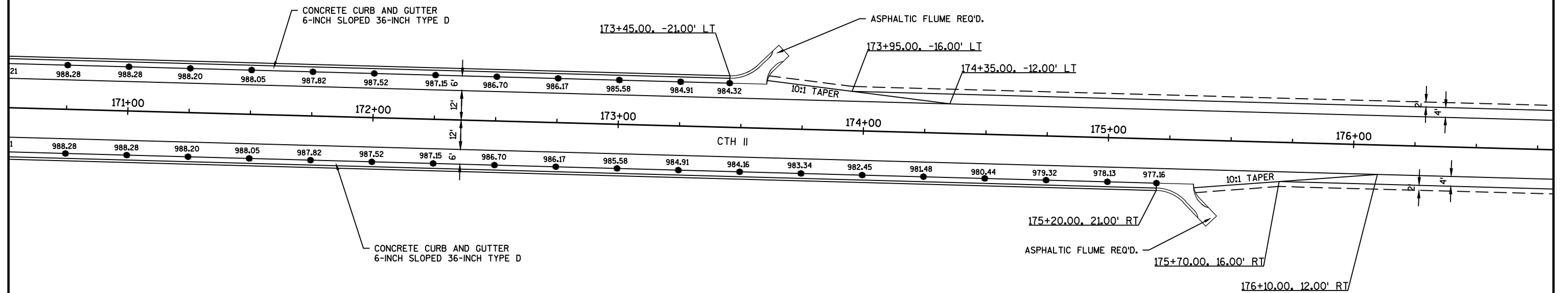
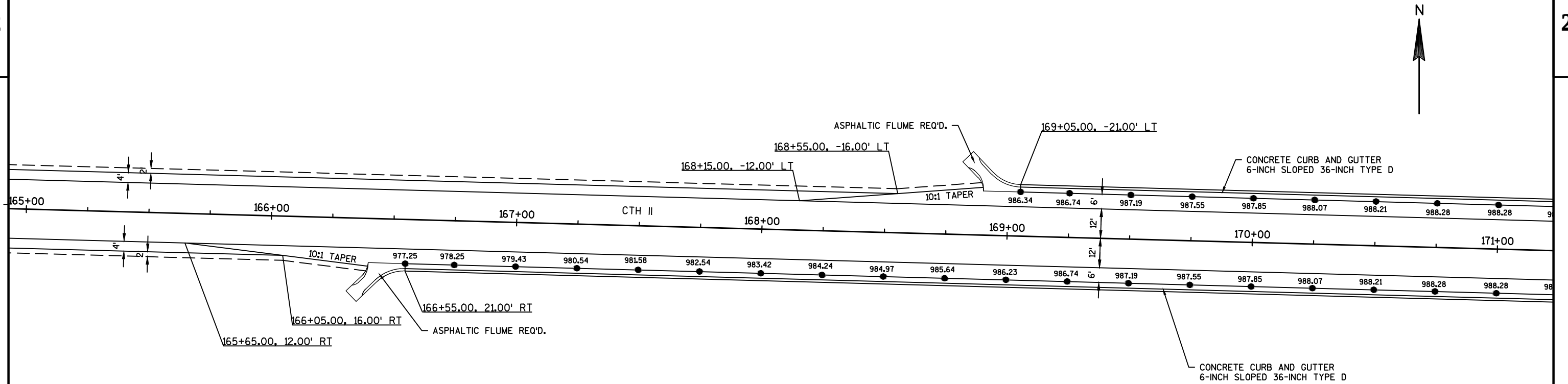






RADIUS POINT TABLE				
POINT	STATION	OFFSET	RADIUS	COORDINATES
103	138+55.37	68'LT	50'	X=358692.05
	30+65.60	65'LT		Y=253302.55
104	139+90.66	73'LT	55'	X=358827.33
	30+75.69	70'RT		Y=253306.28





2

LEGEND

- ##### EROSION MAT CLASS I, TYPE B
■■■■■■■■ EROSION MAT CLASS II, TYPE B
●—●—● SILT FENCE
⊗ RIPRAP MEDIUM (UNLESS OTHERWISE NOTED)
△△△ TEMPORARY DITCH CHECK
○○○ CULVERT PIPE CHECK
⊖⊖ ROCK BAGS (DITCH CHECK)
~> SURFACE WATER FLOW

TALMADGE RD



BEGIN PROJECT
STA 105+10.00

SLOPE INTERCEPT
CTH II
SLOPE INTERCEPT

2



SLOPE INTERCEPT

SLOPE INTERCEPT

CTH II

PROJECT NO: 7826-05-70

HWY: CTH II

COUNTY: EAU CLAIRE

EROSION CONTROL

SHEET

E

FILE NAME : V:\Trans-EC\410650\NGN-DWG\PLAN\022001_ec.dgn

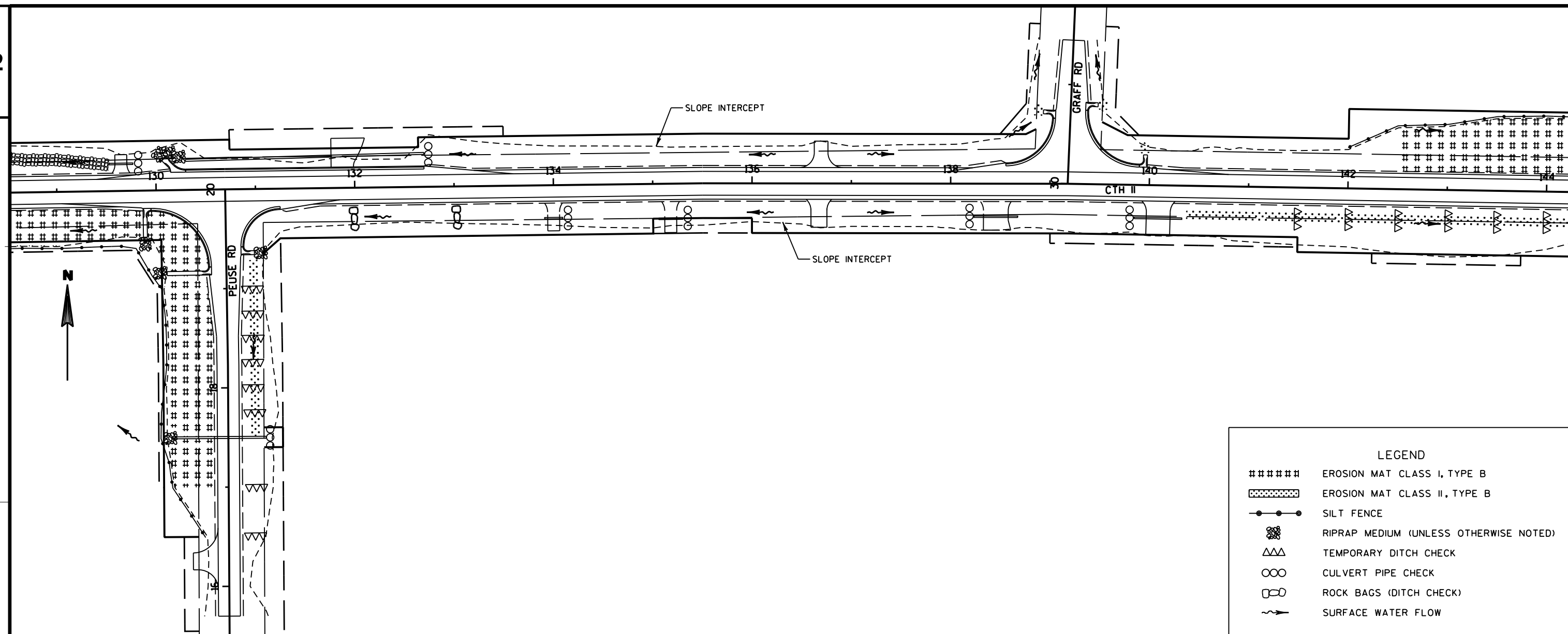
PLOT DATE : 1/9/2015

PLOT BY : AYRES-EC

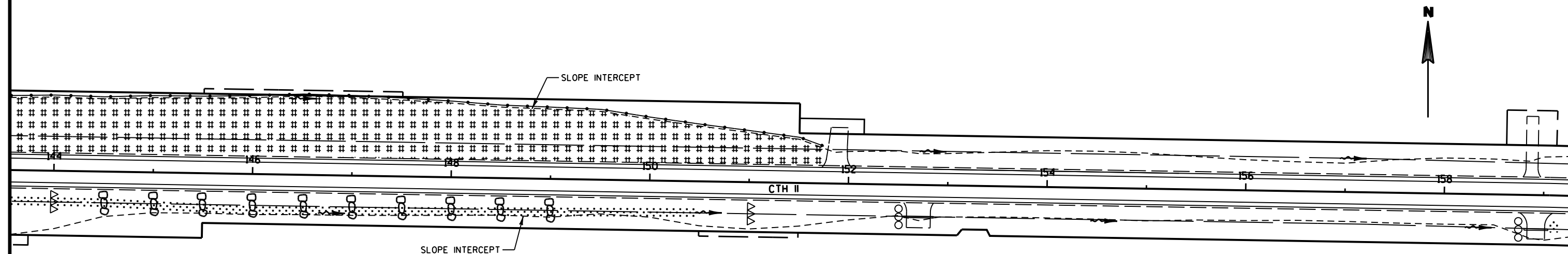
PLOT NAME :

PLOT SCALE : 1:100

WISDOT/CADDs SHEET 42

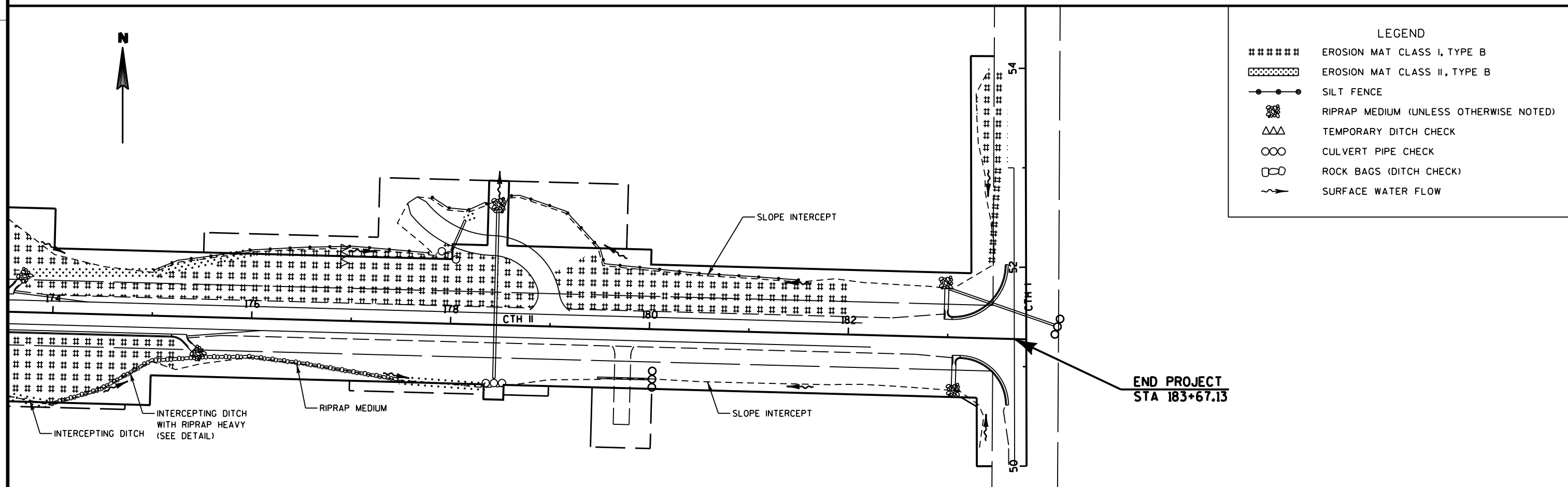
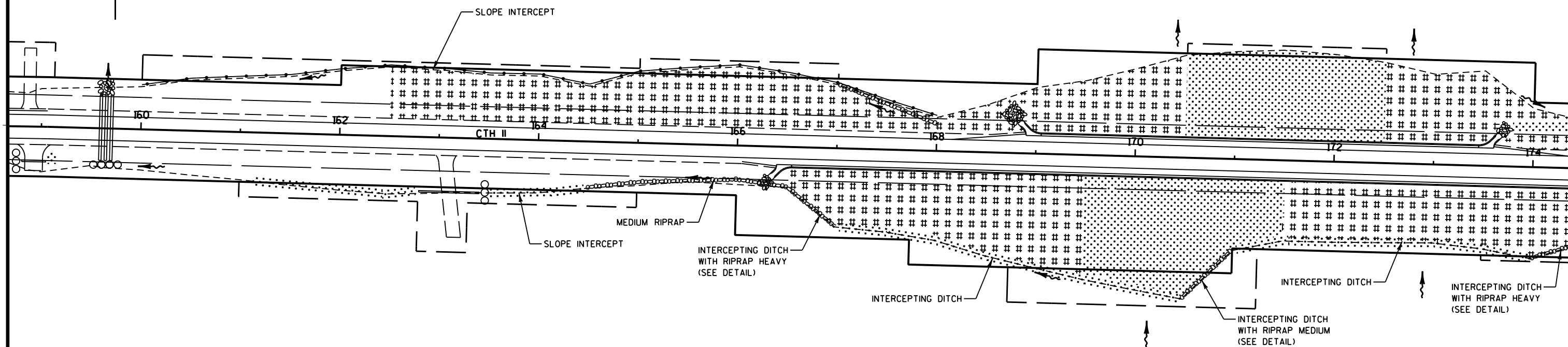


LEGEND	
#####	EROSION MAT CLASS I, TYPE B
⊗⊗⊗⊗⊗	EROSION MAT CLASS II, TYPE B
●●●●●	SILT FENCE
⊗⊗⊗	RIPRAP MEDIUM (UNLESS OTHERWISE NOTED)
△△△	TEMPORARY DITCH CHECK
○○○	CULVERT PIPE CHECK
⊗⊗	ROCK BAGS (DITCH CHECK)
~>	SURFACE WATER FLOW



2

2



PROJECT NO: 7826-05-70

HWY: CTH II

COUNTY: EAU CLAIRE

EROSION CONTROL

SHEET

E

FILE NAME : V:\Trans-EC\410650\N\GN-DWG\PLAN\022003_ec.dgn

PLOT DATE : 1/9/2015

PLOT BY : AYRES-EC

PLOT NAME :

PLOT SCALE : 1:100

WISDOT/CADDs SHEET 42



BEGIN PROJECT
STA 105+10.00

100

102

104

106

108

110

CTH II

114

PAVEMENT MARKING EPOXY
4-INCH (YELLOW CENTERLINE)

PAVEMENT MARKING EPOXY
4-INCH (WHITE EDGELINE)

○ SIGN-REMOVE (REPLACED BY OTHERS)

⬡ SIGN-PLACE NEW (BY OTHERS)



SIGN TO
REMAIN



W2-1
30" X 30"

1-1

NO PASSING ZONE LIMITS TO BE DETERMINED WITH
THE BID ITEM "LOCATING NO PASSING ZONES".



PAVEMENT MARKING EPOXY
4-INCH (WHITE EDGELINE)

PAVEMENT MARKING EPOXY
4-INCH (YELLOW CENTERLINE)

CTH II



W14-3
48" X 36"

1-2



R2-1
24" X 30"

1-4



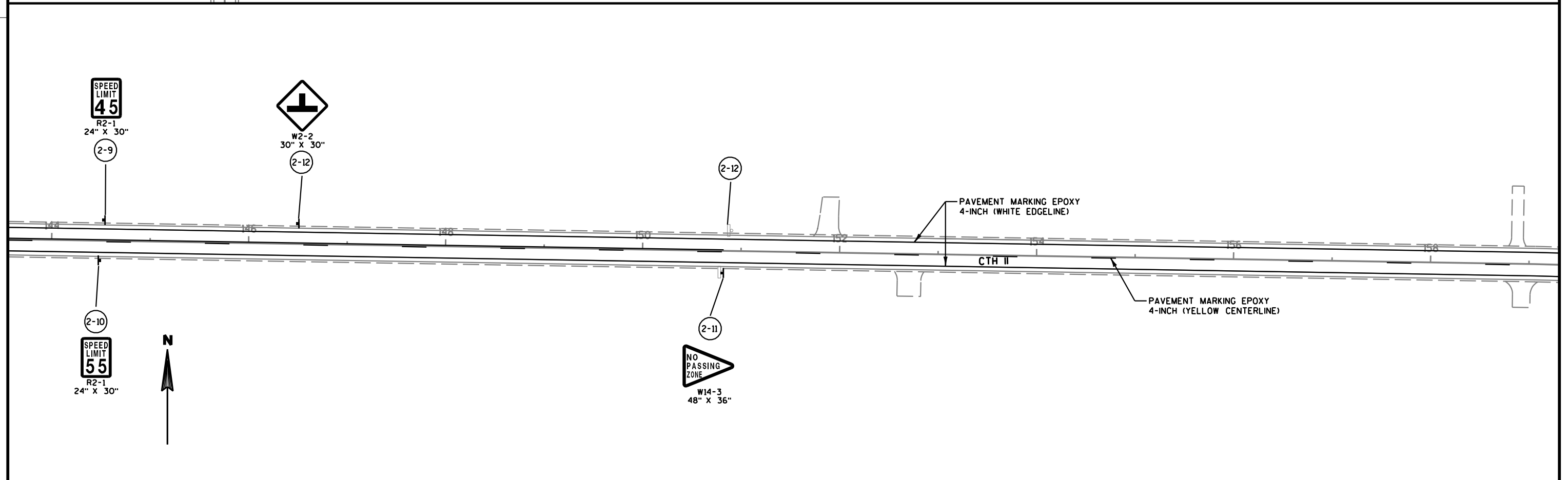
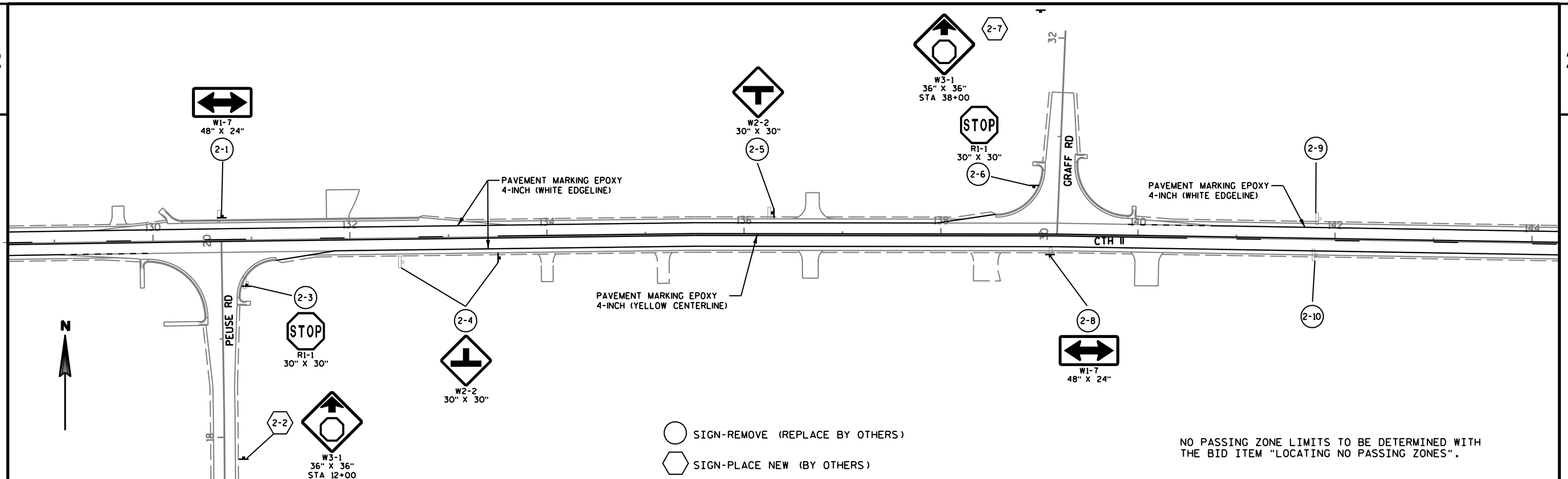
W2-2
30" X 30"

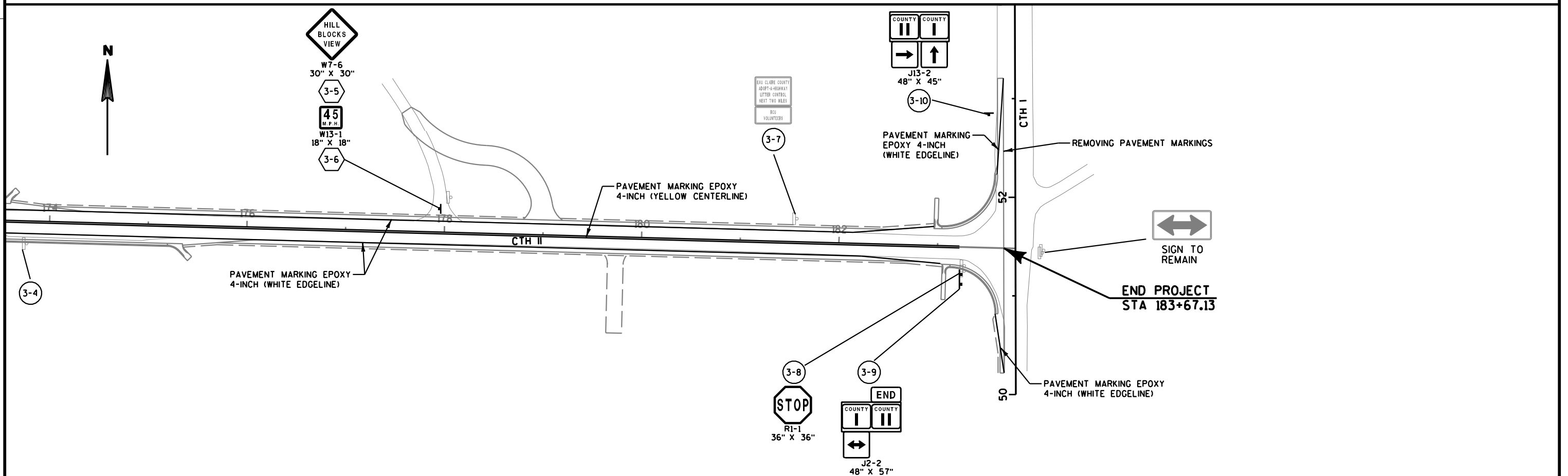
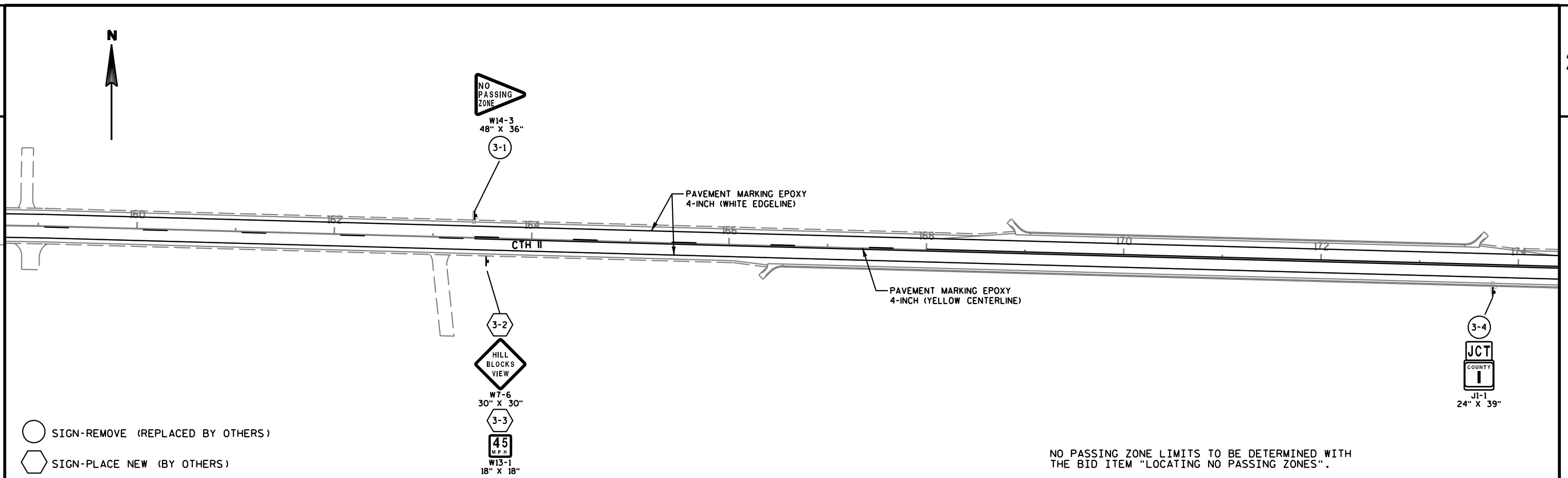
1-3

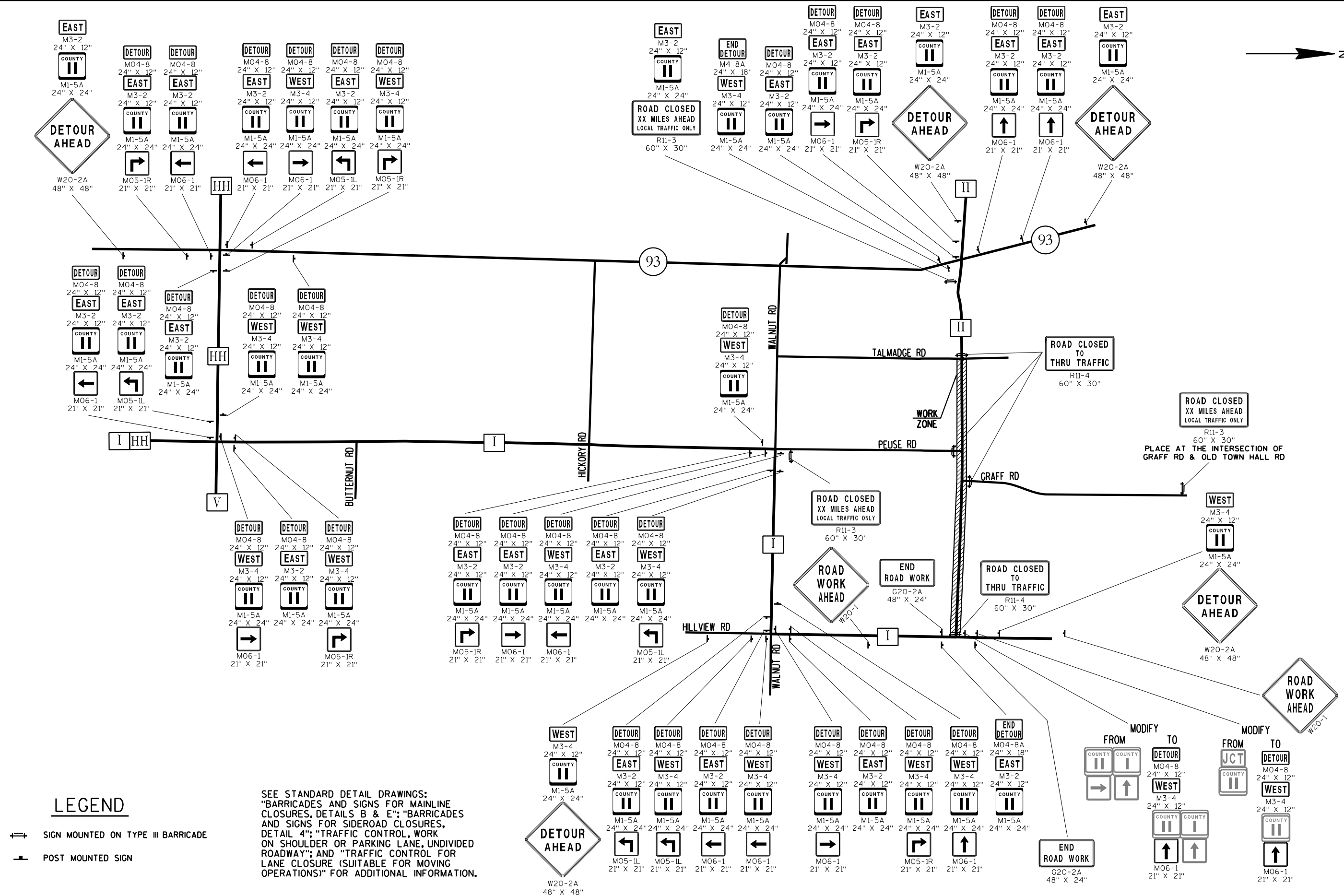


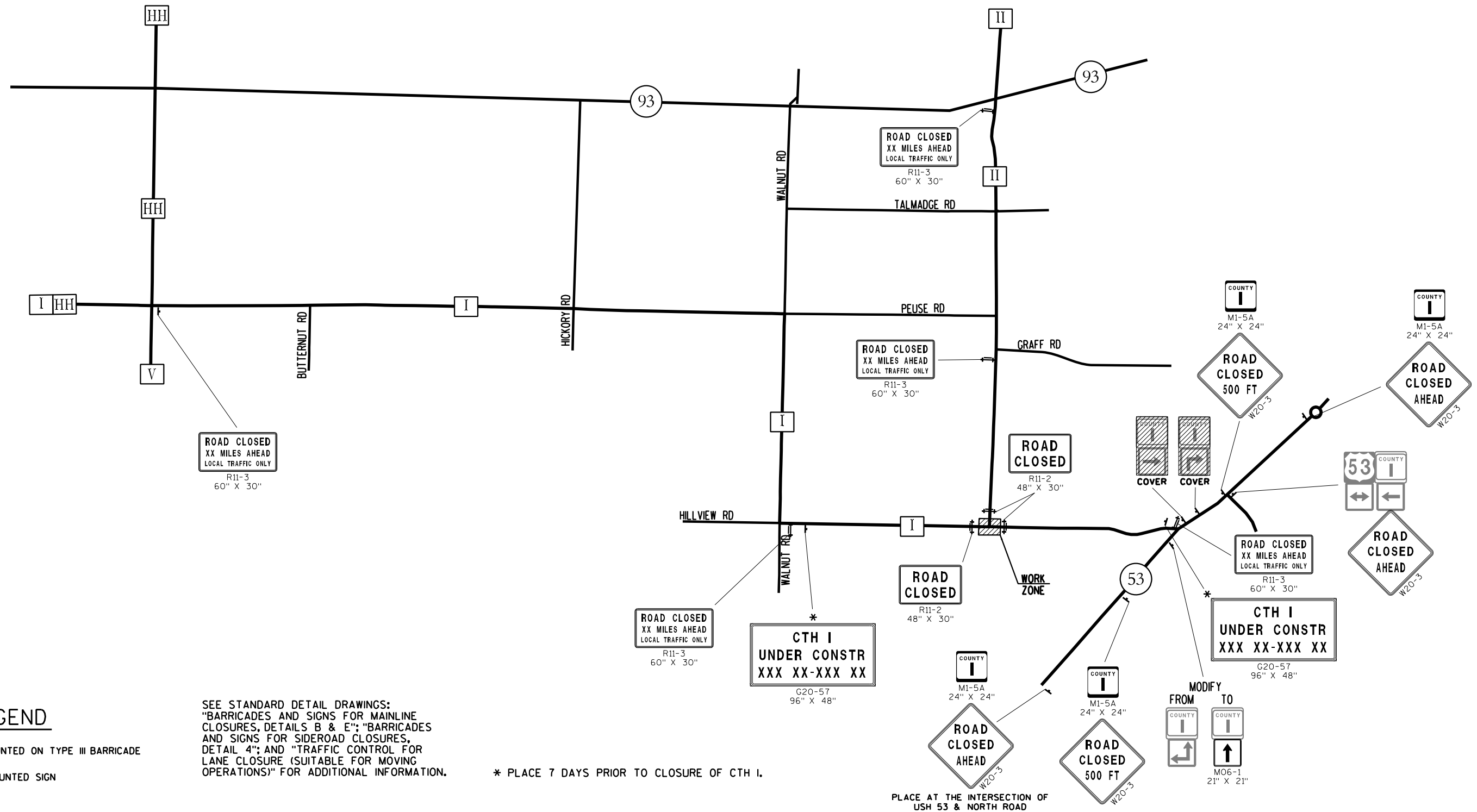
R2-1
24" X 30"

1-5









DATE 15JAN15		E S T I M A T E O F Q U A N T I T I E S			
LINE		7826-05-70			
NUMBER	ITEM	ITEM DESCRIPTION	UNIT	TOTAL	QUANTITY
0010	201.0105	Clearing	STA	61.000	61.000
0020	201.0205	Grubbing	STA	61.000	61.000
0030	203.0100	Removing Small Pipe Culverts	EACH	21.000	21.000
0040	204.0100	Removing Pavement	SY	141.000	141.000
0050	204.0110	Removing Asphaltic Surface	SY	11,170.000	11,170.000
0060	204.0170	Removing Fence	LF	3,021.000	3,021.000
0070	204.0180	Removing Delineators and Markers	EACH	20.000	20.000
0080	204.0185	Removing Masonry	CY	2.000	2.000
0090	204.9090.S	Removing (item description) 01. Pipe Underdrain	LF	175.000	175.000
0100	205.0100	Excavation Common	CY	72,346.000	72,346.000
0110	205.0200	Excavation Rock	CY	6,492.000	6,492.000
0120	208.0100	Borrow	CY	2,936.000	2,936.000
0130	209.0100	Backfill Granular	CY	6,605.000	6,605.000
0140	213.0100	Finishing Roadway (project) 01. 7826-05-70	EACH	1.000	1.000
0150	305.0110	Base Aggregate Dense 3/4-Inch	TON	1,285.000	1,285.000
0160	305.0120	Base Aggregate Dense 1 1/4-Inch	TON	26,100.000	26,100.000
0170	312.0110	Select Crushed Material	TON	280.000	280.000
0180	416.0160	Concrete Driveway 6-Inch	SY	29.000	29.000
0190	440.4410.S	Incentive IRI Ride	DOL	5,952.000	5,952.000
0200	455.0110	Asphaltic Material PG58-34	TON	377.000	377.000
0210	455.0605	Tack Coat	GAL	1,840.000	1,840.000
0220	460.1100	HMA Pavement Type E-0.3	TON	6,845.000	6,845.000
0230	460.2000	Incentive Density HMA Pavement	DOL	4,390.000	4,390.000
0240	460.4000	HMA Cold Weather Paving	TON	428.000	428.000
0250	465.0105	Asphaltic Surface	TON	32.000	32.000
0260	465.0120	Asphaltic Surface Driveways and Field Entrances	TON	170.000	170.000
0270	465.0315	Asphaltic Flumes	SY	170.000	170.000
0280	520.7000	Cleaning Culvert Pipes	EACH	1.000	1.000
0290	521.0118	Culvert Pipe Corrugated Steel 18-Inch	LF	390.000	390.000
0300	521.0124	Culvert Pipe Corrugated Steel 24-Inch	LF	574.000	574.000
0310	521.0130	Culvert Pipe Corrugated Steel 30-Inch	LF	22.000	22.000
0320	521.1018	Apron Endwalls for Culvert Pipe Steel 18-Inch	EACH	6.000	6.000
0330	521.1024	Apron Endwalls for Culvert Pipe Steel 24-Inch	EACH	8.000	8.000
0340	521.1518	Apron Endwalls for Culvert Pipe Sloped Side Drains Steel 18-Inch 6 to 1	EACH	16.000	16.000
0350	521.1524	Apron Endwalls for Culvert Pipe Sloped Side Drains Steel 24-Inch 6 to 1	EACH	10.000	10.000
0360	521.1530	Apron Endwalls for Culvert Pipe Sloped Side Drains Steel 30-Inch 6 to 1	EACH	2.000	2.000
0370	522.0124	Culvert Pipe Reinforced Concrete Class III 24-Inch	LF	84.000	84.000
0380	522.0130	Culvert Pipe Reinforced Concrete Class III 30-Inch	LF	366.000	366.000
0390	522.0330	Culvert Pipe Reinforced Concrete Class IV 30-Inch	LF	162.000	162.000
0400	522.1024	Apron Endwalls for Culvert Pipe Reinforced Concrete 24-Inch	EACH	2.000	2.000
0410	522.1030	Apron Endwalls for Culvert Pipe Reinforced Concrete 30-Inch	EACH	14.000	14.000
0420	601.0557	Concrete Curb & Gutter 6-Inch Sloped 36-Inch Type D	LF	2,014.000	2,014.000

DATE 15JAN15			E S T I M A T E O F Q U A N T I T I E S		
LINE				7826-05-70	
NUMBER	ITEM	ITEM DESCRIPTION	UNIT	TOTAL	QUANTITY
0430	606.0200	Riprap Medium	CY	332.000	332.000
0440	606.0300	Riprap Heavy	CY	95.000	95.000
0450	619.1000	Mobilization	EACH	1.000	1.000
0460	624.0100	Water	MGAL	700.000	700.000
0470	625.0500	Salvaged Topsoil	SY	62,189.000	62,189.000
0480	627.0200	Mulching	SY	41,700.000	41,700.000
0490	628.1504	Silt Fence	LF	4,250.000	4,250.000
0500	628.1520	Silt Fence Maintenance	LF	4,250.000	4,250.000
0510	628.1905	Mobilizations Erosion Control	EACH	6.000	6.000
0520	628.1910	Mobilizations Emergency Erosion Control	EACH	4.000	4.000
0530	628.2004	Erosion Mat Class I Type B	SY	27,400.000	27,400.000
0540	628.2023	Erosion Mat Class II Type B	SY	8,580.000	8,580.000
0550	628.7504	Temporary Ditch Checks	LF	590.000	590.000
0560	628.7555	Culvert Pipe Checks	EACH	85.000	85.000
0570	628.7570	Rock Bags	EACH	210.000	210.000
0580	629.0210	Fertilizer Type B	CWT	49.000	49.000
0590	630.0120	Seeding Mixture No. 20	LB	2,100.000	2,100.000
0600	630.0140	Seeding Mixture No. 40	LB	525.000	525.000
0610	630.0200	Seeding Temporary	LB	2,100.000	2,100.000
0620	633.5200	Markers Culvert End	EACH	8.000	8.000
0630	638.2602	Removing Signs Type II	EACH	28.000	28.000
0640	638.3000	Removing Small Sign Supports	EACH	24.000	24.000
0650	642.5001	Field Office Type B	EACH	1.000	1.000
0660	643.0100	Traffic Control (project) 01. 7826-05-70	EACH	1.000	1.000
0670	643.0300	Traffic Control Drums	DAY	1,720.000	1,720.000
0680	643.0420	Traffic Control Barricades Type III	DAY	1,135.000	1,135.000
0690	643.0705	Traffic Control Warning Lights Type A	DAY	2,255.000	2,255.000
0700	643.0900	Traffic Control Signs	DAY	1,550.000	1,550.000
0710	643.0920	Traffic Control Covering Signs Type II	EACH	4.000	4.000
0720	643.2000	Traffic Control Detour (project) 01. 7826-05-70	EACH	1.000	1.000
0730	643.3000	Traffic Control Detour Signs	DAY	15,995.000	15,995.000
0740	645.0112	Geotextile Fabric Type DF Schedule B	SY	500.000	500.000
0750	645.0120	Geotextile Fabric Type HR	SY	1,316.000	1,316.000
0760	645.0140	Geotextile Fabric Type SAS	SY	3,000.000	3,000.000
0770	646.0106	Pavement Marking Epoxy 4-Inch	LF	21,580.000	21,580.000
0780	648.0100	Locating No-Passing Zones	MI	1.500	1.500
0790	650.4500	Construction Staking Subgrade	LF	8,577.000	8,577.000
0800	650.5000	Construction Staking Base	LF	8,577.000	8,577.000
0810	650.5500	Construction Staking Curb Gutter and Curb & Gutter	LF	2,014.000	2,014.000
0820	650.6000	Construction Staking Pipe Culverts	EACH	11.000	11.000
0830	650.9910	Construction Staking Supplemental Control (project) 01. 7826-05-70	LS	1.000	1.000
0840	650.9920	Construction Staking Slope Stakes	LF	8,976.000	8,976.000
0850	690.0150	Sawing Asphalt	LF	706.000	706.000
0860	690.0250	Sawing Concrete	LF	40.000	40.000
0870	ASP.1T0A	On-the-Job Training Apprentice at \$5.00/HR	HRS	2,000.000	2,000.000
0880	ASP.1T0G	On-the-Job Training Graduate at \$5.00/HR	HRS	630.000	630.000

CLEARING AND GRUBBING

STATION TO STATION	LOCATION	201.0105	201.0205
		CLEARING STA	GRUBBING STA
104+00 - 112+00	LT/RT	8	8
113+00 - 129+00	LT/RT	16	16
130+00 - 131+00	LT	1	1
134+00 - 139+00	RT	5	5
141+00 - 152+00	LT/RT	11	11
153+00 - 154+00	RT	1	1
157+00 - 158+00	RT	1	1
163+00 - 179+00	LT/RT	16	16
30+00 - 32+00	LT/RT GRAFF	2	2
PROJECT TOTALS		61	61

REMOVING SMALL PIPE CULVERTS

STATION	LOCATION	SIZE	MATERIAL	LENGTH	203.0100
		INCHES		FEET	EACH
107+39	RT	30	CMCP	15	1
109+63		24x48	CMCP	36	1
109+69		24x48	CMCP	36	1
114+42	LT	12	CMCP	16	1
115+49	LT	24	CMCP	30	1
118+92	LT	18	RCCP	19	1
120+40	RT	24	RCCP	24	1
122+46	RT	24	CMCP	25	1
125+59	LT	12	CMCP	24	1
129+65	LT	18	RCCP	28	1
17+44	PEUSE RD	18	PLASTIC	60	1
131+88	LT	12	CMCP	28	1
138+45	RT	12	PLASTIC	31	1
140+09	RT	15	PLASTIC	31	1
152+71	RT	24	CMCP	34	1
158+92	RT	18	CMCP	24	1
159+58		30x48	CMCP	42	1
159+68		30x48	CMCP	41	1
177+96	LT	18	CMCP	23	1
178+41		30	CMCP	45	1
51+52	LT	24	CMCP	76	1
PROJECT TOTAL					21

REMOVING PAVEMENT

STATION	LOCATION	204.0100
		SY
136+69	RT	29
140+09	RT	112
PROJECT TOTAL		141

REMOVING ASPHALTIC SURFACE

STATION TO STATION	LOCATION	204.0110
		SY
116+00 - 131+88		3880
142+00 - 153+00		2690
159+50 - 167+25		1900
175+25 - 183+00		1900
16+50 - 19+50	PEUSE RD	800
PROJECT TOTAL		11170

REMOVING FENCE

STATION TO STATION	LOCATION	204.0170
		LF
111+15 - 113+00	LT	185
113+11 - 120+28	RT	717
119+89 - 121+01	LT	136
135+00 - 137+85	RT	285
141+31 - 151+55	RT	1024
153+87 - 157+26	LT	339
170+45 - 173+45	LT	300
31+10 - 31+45	LT, GRAFF RD	35
PROJECT TOTAL		3021

REMOVING DELINEATORS AND MARKERS

LOCATION	204.0180 EACH
UNDISTRIBUTED	20
PROJECT TOTAL	20

REMOVING MASONRY

STATION	LOCATION	204.0185
		CY
107+32	RT	1
115+34	LT	0.5
115+63	LT	0.5
PROJECT TOTAL		2

REMOVING PIPE UNDERDRAIN

STATION TO STATION	LOCATION	204.9090.S
		LF
120+55 - 122+30	RT	175
PROJECT TOTAL		175

FINISHING ROADWAY

PROJECT	213.0100 EACH
7826-05-70	1
PROJECT TOTAL	1

EARTHWORK SUMMARY

STATION TO STATION	LOCATION	205.0100		SALVAGED/ UNUSABLE PAVEMENT MATERIAL CY	(4) AVAILABLE MATERIAL CY	(7) 205.0200 EXCAVATION ROCK CY	(5) REDUCED EBS IN FILL CY	(6) EXPANDED EBS BACKFILL CY	UNEXPANDED FILL CY	(8) (9) EXPANDED FILL CY	(10) MASS ORDINATE +/- CY	WASTE CY	208.0100 BORROW CY	(11) 209.0100 BACKFILL GRANULAR CY
		EXCAVATION CUT (2) CY	COMMON (1) EBS (3) CY											
105+10 - 183+67	CTH II	66001	2581	2111	63890	6492	2065	3355	58122	61145	2745		---	3355
50+02 - 54+00	CTH I	423	---	---	423	---	---	---	108	135	288		---	---
15+25 - 16+00	TALMADGE ROAD	311	---	---	311	---	---	---	---	---	311		---	---
15+70 - 19+22	PEUSE ROAD	72	---	---	72	---	---	---	3271	4089	-4017		---	---
30+18 - 31+45	GRAFF ROAD	359	---	---	359	---	---	---	4	5	354		---	---
60+18 - 62+00	TREE FARM	99	---	---	99	---	---	---	2173	2716	-2617		---	---
UNDISTRIBUTED		---	2500	---	---	---	2000	3250	---	---	---		---	3250
SUBTOTALS		67265	5081	2111	65154	6492	4065	6605	63678	68090	-2936	---	2936	6605
PROJECT ID TOTALS		72346				6492							2936	6605

- 1) COMMON EXCAVATION IS THE SUM OF THE CUT AND EBS EXCAVATION COLUMNS. ITEM NUMBER 205.0100
- 2) SALVAGED/UNSUALE PAVEMENT MATERIAL IS INCLUDED IN CUT.
- 3) EBS EXCAVATION TO BE BACKFILLED WITH BACKFILL GRANULAR.
- 4) AVAILABLE MATERIAL = CUT - SALVAGED/UNUSUALE PAVEMENT MATERIAL
- 5) REDUCED EBS IN FILL - EXCAVATED EBS MATERIAL IS USUALE IN FILLS OUTSIDE THE 1:1 SLOPE. EBS IN FILL REDUCTION FACTOR = 0.8
- 6) EXPANDED EBS BACKFILL - THIS IS TO BE FILLED WITH BORROW MATERIAL. EBS BACKFILL FACTOR = 1.3. ITEM NUMBER 208.0100
- 7) EXPANDED ROCK FACTOR = 1.1
- 8) EXPANDED FILL FACTOR = 1.25
- 9) EXPANDED FILL = (UNEXPANDED FILL - ROCK* ROCK FACTOR - REDUCED EBS) * FILL FACTOR
- 10) 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.
- 11) USE BACKFILL GRANULAR TYPE 2

BASE AGGREGATE DENSE

STATION TO STATION	LOCATION	305.0110	305.0120
		3/4-INCH TON	1 1/4-INCH TON
105+10 - 186+37	CTH II	1100	23200
15+70 - 20+00	PEUSE RD	60	1000
30+00 - 31+45	GRAFF RD	10	500
51+52	CTH I	5	100
UNDISTRIBUTED		110	1300
PROJECT TOTALS		1285	26100

HMA PAVEMENT ITEMS

STATION TO STATION	LOCATION	460.1100	455.0110	455.0605	460.4000
		HMA PAVEMENT TYPE E-0.3 TON	ASPHALTIC MATERIAL PG58-34 TON	TACK COAT GAL	HMA COLD WEATHER PAVING TON
105+10 - 183+67	CTH II	6451	355	1730	403
15+70 - 19+82	PEUSE RD	273	15	75	17
30+18 - 31+45	GRAFF RD	121	7	35	8
PROJECT TOTALS		6845	377	1840	428

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

STATION TO STATION	LOCATION	601.0557 LF
129+95 - 19+22	RT, SW QUAD	91
130+30 - 132+70	LT	240
19+42 - 131+25	RT, SE QUAD	60
138+56 - 30+65	LT, NW QUAD	74
30+75 - 139+90	LT, NE QUAD	85
166+55 - 175+20	RT	865
169+05 - 173+45	LT	440
183+04 - 52+03	LT, NW QUAD	85
183+13 - 50+61	RT, SW QUAD	74
PROJECT TOTAL		2014

ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES

SELECT CRUSHED MATERIAL			465.0120 TON
STATION TO STATION	LOCATION	312.0110 TON	
126+40 - 126+90	CTH II	250	
UNDISTRIBUTED		30	
PROJECT TOTAL		280	

STATION	LOCATION	465.0120 TON
107+39	RT	7
114+42	LT	6
115+49	LT	6
118+92	LT	6
122+46	RT	8
125+59	LT	18
127+65	LT	11
131+88	LT	15
136+69	LT	9
158+87	LT	2
60+18 - 62+10	TREE FARM	70
16+25	PEUSE RD, LT	12
PROJECT TOTAL		170

CONCRETE DRIVEWAY 6-INCH

STATION	LOCATION	416.0160 SY
136+69	RT	29
PROJECT TOTAL		29

ASPHALTIC SURFACE

STATION	LOCATION	465.0105 TON
51+52	CTH I	32
PROJECT TOTAL		32

ASPHALTIC FLUMES

STATION	LOCATION	465.0315 SY
129+94	RT	14
130+30	LT	16
166+55	RT	13
169+05	LT	13
173+45	LT	13
175+20	RT	13
183+04	LT	16
183+13	RT	18
19+22	LT	22
19+42	RT	8
30+65	LT	8
30+75	RT	8
139+95	LT	8
PROJECT TOTAL		170

RIPRAP & GEOTEXTILE FABRIC

STATION TO STATION	LOCATION	606.0200	606.0300	645.0112	645.0120	645.0140
		RIPRAP MEDIUM CY	RIPRAP HEAVY CY	GEOTEXTILE FABRIC TYPE DF SCHEDULE B SY	GEOTEXTILE FABRIC TYPE HR SY	GEOTEXTILE FABRIC TYPE SAS SY
109+65	LT	2	---	---	9	---
109+75	RT	8	---	---	26	---
118+92	LT	2	---	---	9	---
120+00 - 123+75	LT/RT	---	---	---	---	2710
125+59	LT	2	---	---	9	---
126+40 - 126+90	LT/RT	---	---	450	---	---
127+65	LT	2	---	---	9	---
128+00 - 129+50	LT	50	---	---	150	---
129+94	RT	3	---	---	12	---
130+00	LT	3	---	---	12	---
130+30	LT	5	---	---	23	---
17+50	LT, PEUSE RD	3	---	---	12	---
19+22	LT, PEUSE RD	3	---	---	12	---
19+42	RT, PEUSE RD	3	---	---	12	---
159+65	LT	6	---	---	24	---
164+50 - 166+05	RT	52	---	---	155	---
166+05 - 167+00	RT	---	35	---	95	---
167+00 - 168+00	LT	33	---	---	100	---
169+00	LT	3	---	---	12	---
170+50 - 171+00	RT	17	---	---	50	---
173+50	LT	3	---	---	12	---
174+00 - 175+20	RT	---	44	---	120	---
175+20 - 177+50	RT	77	---	---	230	---
178+45	LT	9	---	---	18	---
183+00	LT	3	---	---	12	---
183+07	RT	3	---	---	12	---
UNDISTRIBUTED		40	16	50	181	290
PROJECT TOTALS		332	95	500	1316	3000

CULVERT PIPE CORRUGATED STEEL

		521.0118	521.0124	521.0130		521.1018	521.1024	521.1518	521.1524	521.1530			
		CULVERT PIPE CORRUGATED STEEL				APRON ENDWALLS FOR CP STEEL		APRON ENDWALLS FOR CP SLOPED SIDE DRAINS					
								STEEL 6 TO 1					
STATION	LOCATION	18-INCH LF	24-INCH LF	30-INCH LF	THICKNESS INCHES	18-INCH EACH	24-INCH EACH	18-INCH EACH	24-INCH EACH	30-INCH EACH	INVERT ELEV	DISCHARGE ELEV	SLOPE %
107+39	RT	---	---	22	0.079	---	---	---	---	2			
109+39	LT	52	---	---	0.064	2	---	---	---	---			
114+42	LT	---	22	---	0.064	---	---	---	2	---			
115+49	LT	---	24	---	0.064	---	---	---	2	---			
118+92	LT	24	---	---	0.064	---	---	2	---	---			
120+40	RT	---	40	---	0.064	---	2	---	---	---			
122+46	RT	---	32	---	0.064	---	---	---	2	---			
125+59	LT	38	---	---	0.064	---	---	2	---	---			
127+65	LT	36	---	---	0.064	---	---	2	---	---			
129+65	LT	---	24	---	0.064	---	---	---	2	---			
130+30 - 132+70	LT	---	240	---	0.064	---	---	---	2	---	1039.94	1026.01	5.80%
134+00	RT	24	---	---	0.064	---	---	2	---	---			
135+18	RT	24	---	---	0.064	2	---	---	---	---			
138+45	RT	38	---	---	0.064	---	---	2	---	---			
140+09	RT	48	---	---	0.064	---	---	2	---	---			
152+71	RT	36	---	---	0.064	---	---	2	---	---			
158+92	RT	30	---	---	0.064	---	---	2	---	---			
163+05	RT	---	46	---	0.064	---	2	---	---	---			
61+50	TREE FARM	---	34	---	0.064	---	2	---	---	---			
179+74	RT	40	---	---	0.064	2	---	---	---	---			
51+52	LT/RT	---	112	---	0.064	---	2	---	---	---	967.56	962.27	4.74%
PROJECT TOTALS		390	574	22		6	8	16	10	2			

NOTES
- ALL SUBSURFACE ELEVATIONS ARE PIPE FLOWLINES
- FINAL LOCATION TO BE DETERMINED BY ENGINEER

CULVERT PIPE REINFORCED CONCRETE

STATION	522.0124	522.0130	522.0330	522.1024	522.1030	INVERT ELEV	DISCHARGE ELEV	SLOPE %	
	CLASS	III	CLASS	IV	APRON				ENDWALLS
	24-INCH LF	30-INCH LF	30-INCH LF	24-INCH EACH	30-INCH EACH				
109+75	---	---	3x54	---	6	932.97	932.38	0.88%	
159+65	---	3x66	---	---	6	945.18	944.65	0.68%	
178+45	---	168	---	---	2	954.89	949.10	3.42%	
17+50	84	---	---	2	---	1009.18	1004.32	5.00%	
PROJECT TOTALS	84	366	162	2	14				

NOTES
- ALL SUBSURFACE ELEVATIONS ARE PIPE FLOWLINES
- FINAL LOCATION TO BE DETERMINED BY ENGINEER

CLEANING CULVERT PIPES

STATION TO STATION	LOCATION	520.7000 EACH
103+74 - 104+96	LT	1
PROJECT TOTAL		1

MOBILIZATION

LOCATION	619.1000 EACH
PROJECT LIMITS	1
PROJECT TOTAL	1

WATER

LOCATION	624.0100 MGAL
DUST CONTROL	220
BASE COMPACTION	480
PROJECT TOTAL	700

TOPSOIL, SALVAGED TOPSOIL, MULCHING, FERTILIZER, & SEEDING

STATION TO STATION	LOCATION	625.0500	627.0200	629.0210	630.0120	630.0140	630.0200
		SALVAGED TOPSOIL SY	MULCHING SY	FERTILIZER TYPE B CWT	SEEDING NO. 20 LB	MIXTURE NO. 40 LB	SEEDING TEMPORARY LB
105+10 - 183+67	CTH II	57235	28935	36.1	1545	---	1545
50+02 - 54+00	CTH I	766	436	0.5	21	---	21
15+25 - 16+00	TALMADGE ROAD	492	492	0.3	13	---	13
15+70 - 19+22	PEUSE ROAD	2164	1994	1.4	58	---	58
30+18 - 31+45	GRAFF ROAD	394	374	0.2	11	---	11
60+18 - 62+00	SMITH TREE FARM	1138	1138	0.7	31	---	31
UNDISTRIBUTED		---	8331	9.8	421	525	421
PROJECT TOTALS		62189	41700	49.0	2100	525	2100

EROSION MAT

STATION TO STATION	LOCATION	628.2004	628.2023
		CLASS I TYPE B SY	CLASS II TYPE B SY
104+75 - 109+25	LT	1400	---
107+39	RT	---	10
114+42	LT	---	10
115+49	LT	---	10
119+00 - 130+50	LT	---	700
120+40	RT	---	10
122+46	RT	---	10
126+00, RT - 17+00, LT		2200	---
17+50 - 19+40	RT, PEUSE RD	---	170
30+65	LT, GRAFF RD	---	10
30+70	RT, GRAFF RD	---	10
139+95	LT	---	10
140+30 - 150+50	RT	---	910
142+50 - 151+75	LT	5220	---
158+92	RT	---	10
162+50 - 170+50	LT	5000	---
163+50 - 164+50	RT	---	90
165+00 - 166+20	RT	---	160
166+50 - 169+50	RT	2280	---
167+00 - 169+50	RT	---	310
169+50 - 171+50	RT	---	2000
170+50 - 172+50	LT	---	1920
171+50 - 174+00	RT	---	270
171+50 - 175+25	RT	2100	---
172+50 - 182+00	LT	3380	---
173+80 - 176+00	LT	---	200
177+50 - 178+40	RT	---	80
178+00	LT	---	10
53+00 - 54+00	LT	330	---
UNDISTRIBUTED		5490	1670
PROJECT TOTALS		27400	8580

TEMPORARY DITCH CHECKS

STATION	LOCATION	628.7504
		LF
105+25	LT	12
113+00	LT/RT	24
113+75	LT/RT	24
114+50	LT/RT	24
115+25	LT/RT	24
116+00	LT/RT	24
116+75	LT/RT	24
117+50	LT/RT	24
118+25	LT/RT	24
119+00	LT/RT	24
119+75	LT	12
120+50	LT	12
121+00	LT	12
121+50	LT	12
122+00	LT	12
122+50	LT	12
123+00	LT	12
141+50	RT	12
142+00	RT	12
142+50	RT	12
143+00	RT	12
143+50	RT	12
144+00	RT	12
151+00	RT	20
177+00	LT	7
16+50	RT	10
17+00	RT	10
17+75	RT	10
18+00	RT	10
18+25	RT	10
18+50	RT	10
18+75	RT	10
19+00	RT	10
UNDISTRIBUTED		99
PROJECT TOTAL		590

SILT FENCE

STATION TO STATION	LOCATION	628.1504	628.1520
		LF	MAINTENANCE LF
124+00, RT - 16+50, LT		905	905
142+00 - 151+75	LT	985	985
160+00 - 168+00	LT	810	810
175+00 - 178+00	LT	300	300
178+00 - 181+50	LT	405	405
UNDISTRIBUTED		845	845
PROJECT TOTALS		4250	4250

MOBILIZATIONS EROSION CONTROL

LOCATION	628.1905
	EACH
PROJECT LIMITS	6
PROJECT TOTAL	6

MOBILIZATIONS EMERGENCY EROSION CONTROL

LOCATION	628.1910
	EACH
PROJECT LIMITS	4
PROJECT TOTAL	4

CULVERT PIPE CHECKS

STATION	LOCATION	628.7555
		EACH
107+39	RT	5
109+39	LT	2
109+75	LT	20
114+42	LT	2
115+49	LT	3
118+92	LT	2
120+40	RT	3
122+46	RT	3
125+59	LT	2
127+65	LT	2
129+65	LT	2
132+70	LT	3
134+00	RT	2
135+18	RT	2
138+45	RT	2
140+09	RT	2
152+71	RT	2
158+92	RT	2
159+65	RT	6
163+05	RT	2
178+00	LT	3
178+45	RT	5
179+74	RT	2
51+50	RT	3
17+50	RT, PEUSE RD	3
PROJECT TOTAL		85

ROCK BAGS

STATION	LOCATION	628.7570
		EACH
121+50	RT	10
123+50	LT	10
124+00	LT	10
124+50	LT	10
125+00	LT	10
132+00	RT	10
133+00	RT	10
144+50	RT	10
145+00	RT	10
145+50	RT	10
146+00	RT	10
146+50	RT	10
147+00	RT	10
147+50	RT	10
148+00	RT	10
148+50	RT	10
149+00	RT	10
UNDISTRIBUTED		40
PROJECT TOTAL		210

SIGNS TYPE II

MARKERS CULVERT ENDS			SIGNS TYPE II											638.2602 REMOVING SIGNS TYPE II EACH		638.3000 REMOVING SMALL SIGN SUPPORTS EACH	COMMENTS
STATION	LOCATION	633.5200 EACH	SIGN NUMBER	STATION	SIGN CODE	SIZE INCHES	REFLECTIVE H SF	REFLECTIVE F SF	REINSTALL EACH	12-FT EACH	14-FT EACH	16-FT EACH	TYPE II EACH	TYPE II EACH	TYPE II EACH	TYPE II EACH	
109+75	LT/RT	2	1-1	112+05, LT	W2-1	30 X 30	---	6.25	---	---	1	---	1	1			ACTUAL LOCATION TO BE DETERMINED
159+65	LT/RT	2	1-2	123+50, LT	W14-3	48 X 36	---	12.00	---	---	1	---	1	1			
178+45	LT/RT	2	1-3	125+00, RT	W2-2	30 X 30	---	6.25	---	---	1	---	1	1			"55"
17+50	LT/RT	2	1-4	126+65, LT	R2-1	24 X 36	6.00	---	---	---	1	---	1	1			"45"
PROJECT TOTAL			8	2-1	130+70, LT	W1-7	48 X 24	---	8.00	---	1	---	1	1			
				2-2	12+00, RT	W3-1	36 X 36	---	9.00	---	---	1	---	---	---	---	
				2-3	19+55, RT	R1-1	30 X 30	6.25	---	---	---	1	---	1	1		
				2-4	133+50, RT	W2-2	30 X 30	---	6.25	---	---	1	---	1	1		
				2-5	136+30, LT	W2-2	30 X 30	---	6.25	---	---	1	---	1	1		
				2-6	30+45, LT	R1-1	30 X 30	6.25	---	---	---	1	---	1	1		
				2-7	34+50, LT	W3-1	36 X 36	---	9.00	---	---	1	---	---	---	---	
				2-8	139+10, RT	W1-7	48 X 24	---	8.00	---	1	---	1	2			
				2-9	144+50, LT	R2-1	24 X 30	5.00	---	---	---	1	---	1	1		"45"
				2-10	144+50, RT	R2-1	24 X 30	5.00	---	---	---	1	---	1	1		"55"
				2-11	150+80, RT	W14-3	48 X 36	---	12.00	---	---	1	---	1	1		ACTUAL LOCATION TO BE DETERMINED
				2-12	146+50, LT	W2-2	30 X 30	---	6.25	---	---	1	---	1	1		
				3-1	163+50, LT	W14-3	48 X 36	---	12.00	---	---	1	---	1	1		ACTUAL LOCATION TO BE DETERMINED
				3-2	163+50, RT	W7-6	30 X 30	---	6.25	---	---	1	---	---	---	---	
				3-3	163+50, RT	W13-1	18 X 18	---	2.25	---	---	---	---	---	---	---	"45"
				3-4	173+75, RT	J1-1	24 X 39	6.50	---	---	---	---	1	2	1		
				3-5	178+00, LT	W7-6	30 X 30	---	6.25	---	---	1	---	---	---	---	
				3-6	178+00, LT	W13-1	18 X 18	---	2.25	---	---	---	---	---	---	---	"45"
				3-7	181+55, LT			---	---	1	---	1	---	1	1		EXISTING ADOPT-A-HIGHWAY
				3-8	183+20, RT	R1-1	36 X 36	9.00	---	---	---	1	---	1	1		
				3-9	183+20, RT	J2-2	48 X 57	19.00	---	---	---	---	1	4	1		
				3-10	52+85, LT	J13-2	48 X 45	15.00	---	---	---	---	1	4	1		
				DEERFIELD CHRISTMAS TREE FARM				---	---	---	---	---	---	---	---	2	
PROJECT TOTALS															28	24	

(1) FOR INFORMATION ONLY. SIGNS TYPE II AND POSTS WOOD INSTALLED BY OTHERS.

TRAFFIC CONTROL

PAVEMENT MARKING EPOXY 4-INCH

LOCATION	PROJECT DURATION	643.0300 DRUMS		643.0420 BARRICADES TYPE III		643.0705 WARNING LIGHTS TYPE A		643.3000 DETOUR SIGNS		643.0900 SIGNS	
		EACH	DAYS	EACH	DAYS	EACH	DAYS	EACH	DAYS	EACH	DAYS
CTH II CLOSURE	92	17	1564	11	1012	22	2024	158	14536	15	1380
CTH I CLOSURE	1	0	0	19	19	26	26	5	5	15	27
UNDISTRIBUTED			156		104		205		1454		143
PROJECT TOTALS		1720		1135		2255		15995		1550	

TRAFFIC CONTROL COVERING SIGNS

LOCATION	NUMBER OF SIGNS	CYCLES	643.0920 EACH
CTH I CLOSURE	4	1	4
PROJECT TOTAL		4	

STATION TO STATION	LOCATION	DESCRIPTION	646.0106 WHITE LF		YELLOW LF
105+10 - 183+00	LT/RT	EDGELINES	15580	---	---
105+10 - 183+50 (1)		CENTERLINE	---	---	5975
51+52	LT/RT, CTH I	EDGELINES	20		
51+52	LT/RT, CTH I	CENTERLINE	---		5
SUB TOTALS			15600	5980	
PROJECT TOTAL			21580		

(1) ACTUAL CENTERLINE QUANTITY TO BE DETERMINED BASED ON LOCATING NO-PASSING ZONES.

LOCATING NO-PASSING ZONES

	648.0100
STATION TO STATION	MI
105+10 - 183+67.13	1.5
PROJECT TOTAL	1.5

CONSTRUCTION STAKING

STATION TO STATION	LOCATION	650.4500	650.5000	650.9920
		SUBGRADE LF	BASE LF	SLOPE STAKES LF
105+10 - 183+67	CTH II	7857	7857	7857
15+70 - 19+75	PEUSE RD	405	405	405
30+20 - 31+45	GRAFF RD	125	125	125
60+20 - 62+10	DRIVEWAY	190	190	190
50+01 - 54+00	CTH I	---	---	399
PROJECT TOTALS		8577	8577	8976

CONSTRUCTION STAKING CURB GUTTER AND CURB & GUTTER

STATION TO STATION	LOCATION	650.5500
		LF
129+95 - 19+22	RT, SW QUAD	91
130+30 - 132+70	LT	240
19+42 - 131+25	RT, SE QUAD	60
138+56 - 30+65	LT, NW QUAD	74
30+75 - 139+90	LT, NE QUAD	85
166+55 - 175+20	RT	865
169+05 - 173+45	LT	440
183+04 - 52+03	LT, NW QUAD	85
183+13 - 50+61	RT, SW QUAD	74
PROJECT TOTAL		2014

CONSTRUCTION STAKING PIPE CULVERTS

STATION	LOCATION	650.6000
		EACH
109+75	LT/RT	3
17+50	PEUSE RD	1
130+30 - 132+70	LT	1
159+65	LT/RT	3
61+50	TREE FARM	1
178+45	LT/RT	1
51+52	CTH I	1
PROJECT TOTAL		11

CONSTRUCTION STAKING
SUPPLEMENTAL CONTROL

PROJECT	650.9910
	LS
7826-05-70	1

SAWING

STATION TO STATION	LOCATION	690.0150	690.0250
		ASPHALT LF	CONCRETE LF
105+10		32	---
107+39	RT	10	---
114+42	LT	11	---
115+49	LT	11	---
118+92	LT	12	---
122+46	RT	11	---
125+59	LT	29	---
127+65	LT	9	---
15+70	PEUSE RD	22	---
16+25	LT, PEUSE RD	17	---
131+88	LT	34	---
136+69	LT	14	---
136+69	RT	---	16
31+44	GRAFF RD	22	---
140+09	RT	---	24
62+10	LT	12	---
50+00 - 54+00	LT	460	---
PROJECT TOTALS		706	40

SCHEDULE OF LANDS & INTERESTS REQUIRED

PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	R/W NEW ACRES	R/W EXISTING ACRES	R/W TOTAL ACRES	TLE ACRES
1	KIRT L. GARRISON	FEE	0.707	0.495	1.202	----
2	PAUL C. SZEPIENIEC & JEANNE M. SZEPIENIEC	FEE & TLE	0.400	0.495	0.895	0.103
6	RIDGEVIEW INVESTMENTS GROUP, LLC.	FEE & TLE	0.147	0.372	0.519	0.034
7	DAVID P. MCCABE	FEE & TLE	0.165	0.753	0.918	0.066

SCHEDULE OF UTILITIES & INTERESTS REQUIRED

PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED
100	AT&T	RELEASE OF RIGHTS
101	CHARTER COMMUNICATIONS	RELEASE OF RIGHTS
102	EAU CLAIRE ENERGY COOPERATIVE	RELEASE OF RIGHTS

- 100 AT&T
No Recorded Easement
Parcels 1,2,7
- 101 Charter Communications
No Recorded Easement
Parcels 1 & 2
- 102 Eau Claire Energy Cooperative
V. 354, P. 1 Doc. #379924, Parcel 1
V. 577, P. 8 Doc. #513241, Parcel 2
V. 354, P. 1 Doc. #379924, Parcel 2
No Recorded Easement - Parcel 6

CONVENTIONAL UTILITY SYMBOLS

- WATER
- GAS
- TELEPHONE
- OVERHEAD TRANSMISSION LINES
- ELECTRIC
- CABLE TELEVISION
- FIBER OPTIC
- SANITARY SEWER
- STORM SEWER
- NON COMPENSABLE
- COMPENSABLE
- POWER POLE
- TELEPHONE POLE
- TELEPHONE PEDestal
- ELECTRIC TOWER
- GUY ANCHOR

CONVENTIONAL ABBREVIATIONS

- ACCESS POINT/ DRIVEWAY CONNECTION
- ACCESS RIGHTS
- ACRES
- AND OTHERS
- CENTERLINE
- CERTIFIED SURVEY MAP
- CORNER
- DOCUMENT
- EASEMENT
- HIGHWAY EASEMENT
- LAND CONTRACT
- MONUMENT
- PAGE
- PERMANENT LIMITED EASEMENT
- PROPERTY LINE
- RECORDED AS
- REFERENCE LINE
- RELEASE OF RIGHTS
- REMAINING
- RIGHT-OF-WAY
- SECTION
- STATION
- TEMPORARY LIMITED EASEMENT
- VOLUME
- Y.
- LONG CHORD
- LONG CHORD BEARING
- RADIUS
- DEGREE OF CURVE
- CENTRAL ANGLE OR DELTA
- LENGTH OF CURVE
- TANGENT
- LOH
- LCB
- R
- D
- DELTA
- TAN

CONVENTIONAL SYMBOLS

- FOUND IRON PIPE/ PIN
- R/W MONUMENT
- R/W STANDARD
- SECTION CORNER MONUMENT
- SECTION CORNER SYMBOL
- FREE (HATCH VARIES)
- TEMPORARY LIMITED EASEMENT
- PERMANENT LIMITED EASEMENT
- R/W BOUNDARY POINT
- PARCEL NUMBER
- UTILITY INTEREST
- SIGN NUMBER (OFF PREMISE)
- BUILDING
- PROPOSED R/W LINE
- EXISTING H.E. LINE
- PROPERTY LINE
- LOT & TIE LINES
- SLOPE INTERCEPTS
- CORPORATE LIMITS
- ACCESS RESTRICTED (BY PREVIOUS ACQUISITION/CONTROL)
- ACCESS RESTRICTED (BY ACQUISITION)
- NO ACCESS (BY STATUTORY AUTHORITY)
- SECTION LINE
- QUARTER LINE
- SIXTEENTH LINE
- EXISTING CENTERLINE
- PROPOSED REFERENCE LINE
- PARALLEL OFFSET

TRANSPORTATION PROJECT PLAT NO: 7826-05-00 - 4.01

PART OF LOT 4, CERTIFIED SURVEY MAP NO. 2477, RECORDED IN VOLUME 13 OF CERTIFIED SURVEY MAPS, PAGE 278, AS DOCUMENT NO. 967711 LOCATED IN AND INCLUDING UNPLATTED LANDS IN THE NORTHWEST 1/4 OF THE NORTHEAST 1/4 OF SECTION 14; ALSO PART OF THE SOUTHWEST 1/4 OF THE SOUTHEAST 1/4 OF SECTION 11, ALL LOCATED IN TOWNSHIP 26 NORTH, RANGE 9 WEST, TOWN OF WASHINGTON, EAU CLAIRE COUNTY, WISCONSIN.

RELOCATION ORDER, CTH II, STH 93 - USH 53, TALMADGE ROAD TO CTH I, EAU CLAIRE COUNTY

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

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SUBSECTIONS 83.07(3), AND 83.08(1a)(b), WISCONSIN STATUTES, THE COUNTY OF EAU CLAIRE HEREBY ORDERS THAT:

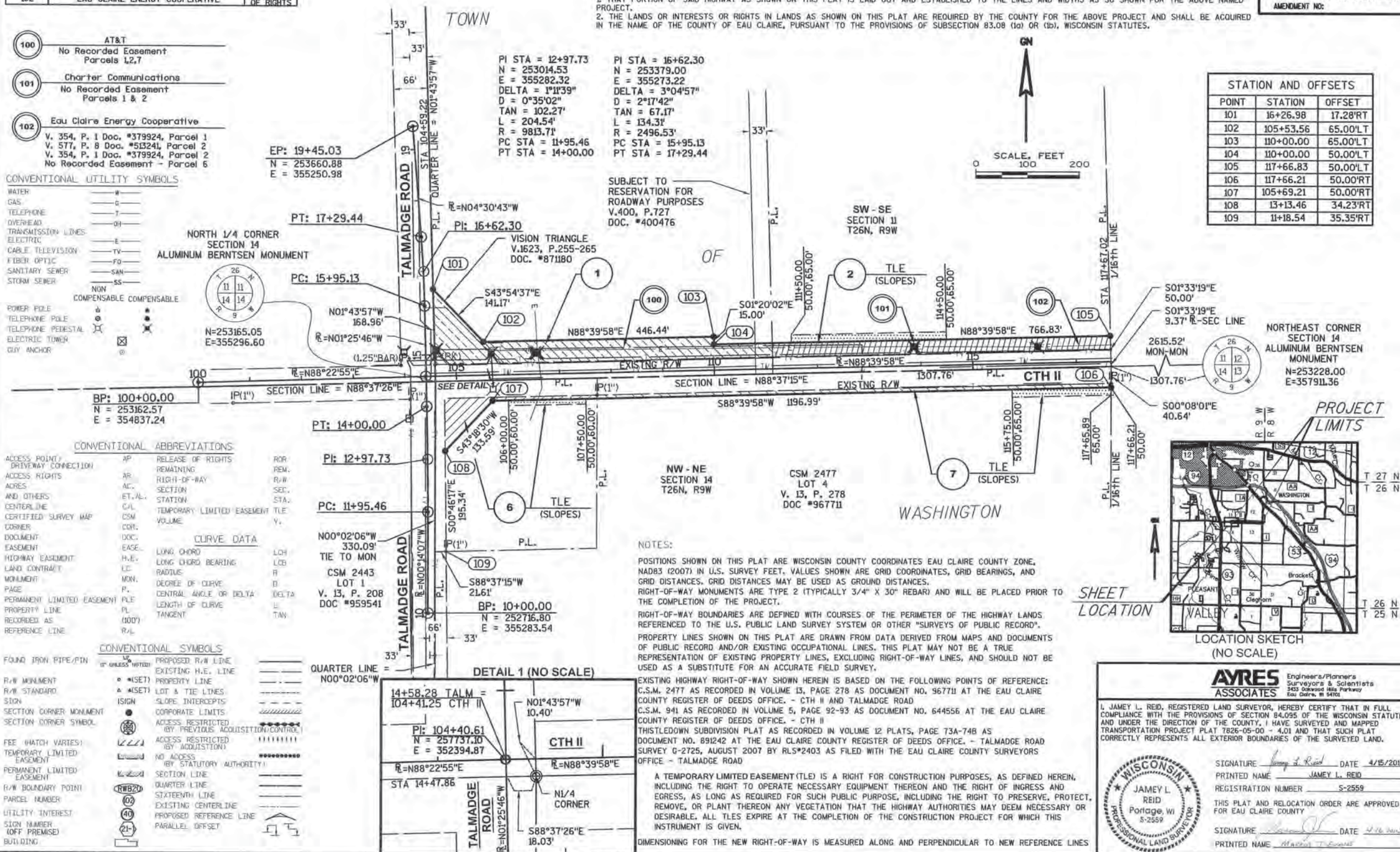
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAY OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE NAMED PROJECT.

2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE COUNTY FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE COUNTY OF EAU CLAIRE, PURSUANT TO THE PROVISIONS OF SUBSECTION 83.08 (1a) OR (1b), WISCONSIN STATUTES.

1098399
KATHRYN A. CHRISTENSEN
EAU CLAIRE COUNTY, WI
REGISTER OF DEEDS
RECORDED ON
04/16/2014 1:56 PM
REC FEE: 25.00
TRANSFER FEE:
EXEMPT #
PAGES: 1

VOL 13 PAGE 108

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 7826-05-00 - 4.01
AMENDMENT NO:



SCHEDULE OF LANDS & INTERESTS REQUIRED

PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	R/W NEW ACRES	R/W EXISTING ACRES	R/W TOTAL ACRES	TLE ACRES
3	GORDON A. BISCHOFF, JR. & ALICE M. HAMPTON	FEE	0.199	0.445	0.644	---
4	ROGER R. RECK & RUTH A. RECK	FEE & TLE	0.358	0.854	1.212	0.143
5	GUY R. ROSSATO & REBECCA L. ROSSATO	FEE & TLE	0.141	0.241	0.382	0.019
8	CHARLES L. GEROUX & MARY BRIGID GEROUX	FEE & TLE	0.125	0.495	0.620	0.173
9	DAVID A. HOGAN & PENNY L. HOGAN	FEE & TLE	0.430	0.975	1.405	0.209

SCHEDULE OF UTILITIES & INTERESTS REQUIRED

PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED
100	AT&T	RELEASE OF RIGHTS
101	CHARTER COMMUNICATIONS	RELEASE OF RIGHTS
102	EAU CLAIRE ENERGY COOPERATIVE	RELEASE OF RIGHTS

- 100 AT&T
No Recorded Easement
Parcels 3,4,5,8,9
- 101 Charter Communications
No Recorded Easement
Parcels 3,4,5,8,9

NORTH 1/4 CORNER SECTION 14 ALUMINUM BERNTSEN MONUMENT
N=253165.05
E=355296.60

CONVENTIONAL UTILITY SYMBOLS

WATER — W —
GAS — G —
TELEPHONE — T —
OVERHEAD TRANSMISSION LINES — OH —
ELECTRIC — E —
CABLE TELEVISION — TV —
FIBER OPTIC — FO —
SANITARY SEWER — SAN —
STORM SEWER — SS —

NON COMPENSABLE COMPENSABLE

POWER POLE
TELEPHONE POLE
TELEPHONE PEDESTAL
ELECTRIC TOWER
GUY ANCHOR

CONVENTIONAL ABBREVIATIONS

ACCESS POINT/ DRIVEWAY CONNECTION — AP —
ACCESS RIGHTS — AR —
ACRES — AC —
AND OTHERS — ET AL —
CENTERLINE — CL —
CERTIFIED SURVEY MAP — CSM —
CORNER — COR —
DOCUMENT — DOC —
EASEMENT — EASE —
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 —

RELEASE OF RIGHTS — ROR —
REMAINING — REM —
RIGHT-OF-WAY — R/W —
SECTION — SEC —
STATION — STA —
TEMPORARY LIMITED EASEMENT — TLE —
VOLUME — V —

CURVE DATA

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

CONVENTIONAL SYMBOLS

FOUND IRON PIPE/PIN — (IF UNLESS NOTED) —
PROPOSED R/W LINE —
EXISTING H.E. LINE —
PROPERTY LINE —
LOT & TIE LINES —
SLOPE INTERCEPTS —
CORPORATE LIMITS —
ACCESS RESTRICTED —
ACCESS RESTRICTED (BY PREVIOUS ACQUISITION/CONTROL) —
ACCESS RESTRICTED (BY ACQUISITION) —
NO ACCESS (BY STATUTORY AUTHORITY) —
SECTION LINE —
QUARTER LINE —
SIXTEENTH LINE —
EXISTING CENTERLINE —
PROPOSED REFERENCE LINE —
PARALLEL OFFSET —

R/W MONUMENT —
R/W STANDARD —
STATION —
SECTION CORNER MONUMENT —
SECTION CORNER SYMBOL —
FEE (WHICH VARIES) —
TEMPORARY LIMITED EASEMENT —
PERMANENT LIMITED EASEMENT —
R/W BOUNDARY POINT —
PARCEL NUMBER —
UTILITY INTEREST —
SIGN NUMBER (OFF PREMISE) —
BUILDING —

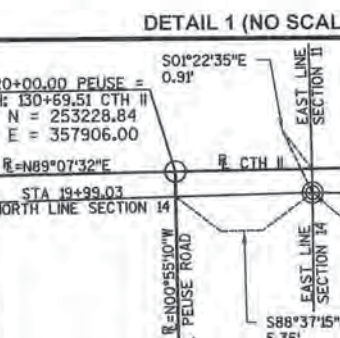
Eau Claire Energy Cooperative

V. 382, P. 27 Doc. #392528, Parcel 3
V. 577, P. 9 Doc. #513242, Parcel 3
V. 577, P. 7 Doc. #513240, Parcel 4
V. 353, P. 924 Doc. #379922, Parcel 4
V. 577, P. 6 Doc. #513239, Parcel 5
V. 487, P. 201 Doc. #462358, Parcel 5
V. 778, P. 588 Doc. #615482, Parcel 5
Doc. #990535, Parcel 5
Doc. #1090863, Parcel 5
V. 577, P. 14 Doc. #513247, Parcel 9
V. 1659, P. 648 Doc. #77819, Parcel 9
V. 715, P. 682 Doc. #583845, Parcel 9
Doc. #990536, Parcel 9

CSM 941
LOT 2
V. 5, P. 92-93
DOC #644556

NE-NE SECTION 14
T26N, R9W

POINT	STATION	OFFSET
105	117+66.83	50.00'LT
201	121+50.90	50.00'LT
202	130+69.51	50.00'LT
203	130+74.28	50.00'LT
205	13+32.98	30.85'LT
206	16+50.00	30.15'LT
207	16+50.00	65.00'LT
208	18+22.93	65.00'LT
209	130+04.55	50.00'RT
210	121+50.90	50.00'RT
106	117+66.21	50.00'RT



TRANSPORTATION PROJECT PLAT NO: 7826-05-00 - 4.02

PART OF LOT 1 AND LOT 2, CERTIFIED SURVEY MAP NO. 941, RECORDED IN VOLUME 5 OF CERTIFIED SURVEY MAPS, PAGE 92-93, AS DOCUMENT NO. 644556 LOCATED IN AND INCLUDING UNPLATTED LANDS IN THE NORTHEAST 1/4 OF THE NORTHEAST 1/4 OF SECTION 14; ALSO PART OF THE SOUTHEAST 1/4 OF THE SOUTHEAST 1/4 OF SECTION 11, ALL LOCATED IN TOWNSHIP 26 NORTH, RANGE 9 WEST, TOWN OF WASHINGTON, EAU CLAIRE COUNTY, WISCONSIN.

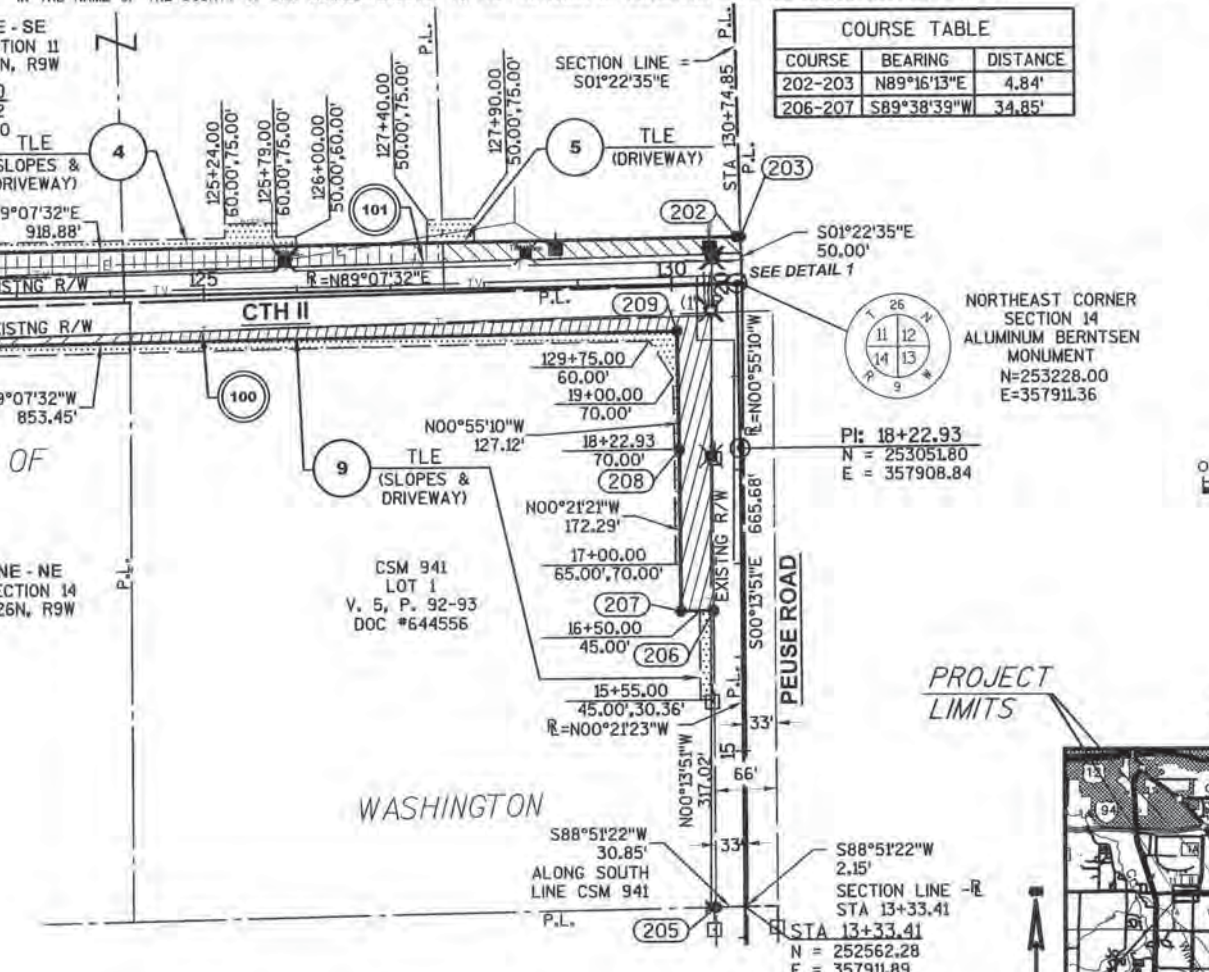
RELOCATION ORDER, CTH II, STH 93 - USH 53, TALMADGE ROAD TO CTH I, EAU CLAIRE COUNTY

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

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SUBSECTIONS 83.07(3), AND 83.08(10)(b), WISCONSIN STATUTES, THE COUNTY OF EAU CLAIRE HEREBY ORDERS THAT:

- THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAY OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE NAMED PROJECT.
- THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE COUNTY FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE COUNTY OF EAU CLAIRE, PURSUANT TO THE PROVISIONS OF SUBSECTION 83.08 (1a) OR (1b), WISCONSIN STATUTES.

COURSE TABLE		
COURSE	BEARING	DISTANCE
202-203	N89°16'13"E	4.84'
206-207	S89°38'39"W	34.85'



NOTES:

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COUNTY COORDINATES EAU CLAIRE COUNTY ZONE, NAD83 (2007) 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 (TYPICALLY 3/4" X 30" REBAR) AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

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

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

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE:

- C.S.M. 2477 AS RECORDED IN VOLUME 13, PAGE 278 AS DOCUMENT NO. 967711 AT THE EAU CLAIRE COUNTY REGISTER OF DEEDS OFFICE. - CTH II
- C.S.M. 941 AS RECORDED IN VOLUME 5, PAGE 92-93 AS DOCUMENT NO. 644556 AT THE EAU CLAIRE COUNTY REGISTER OF DEEDS OFFICE. - CTH II AND PEUSE ROAD

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

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

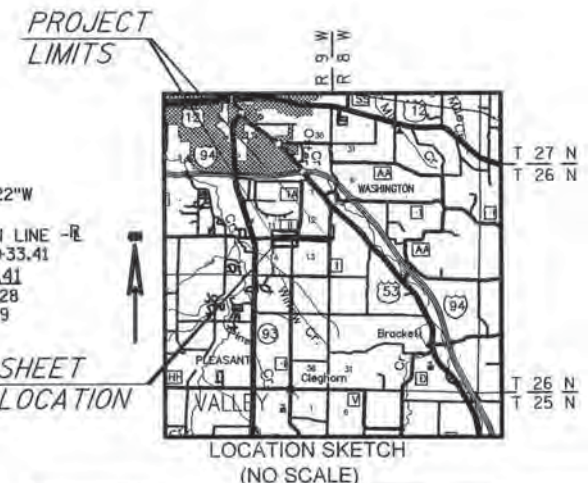
1098400
KATHRYN A. CHRISTENSON
EAU CLAIRE COUNTY, WI
REGISTER OF DEEDS

RECORDED ON
04/16/2014 1:50 PM

REC FEE: 25.00
TRANSFER FEE:
EXEMPT \$
PAGES: 1

VOL 111 PAGE 11A

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 7826-05-00 - 4.02
AMENDMENT NO:



AYRES ASSOCIATES Engineers/Planners
Surveyors & Scientists
3433 Oakwood Villa Parkway
Eau Claire, WI 54601

I, JAMEY L. REID, 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 COUNTY, I HAVE SURVEYED AND MAPPED TRANSPORTATION PROJECT PLAT 7826-05-00 - 4.02 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

SIGNATURE: *Jamey L. Reid* DATE: 4/15/2014
PRINTED NAME: JAMEY L. REID
REGISTRATION NUMBER: S-2559

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR EAU CLAIRE COUNTY.

SIGNATURE: *Matthew J. Fennell* DATE: 4/15/2014
PRINTED NAME: Matthew J. Fennell

SCHEDULE OF LANDS & INTERESTS REQUIRED

PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	R/W NEW ACRES	R/W EXISTING ACRES	R/W TOTAL ACRES	TLE ACRES
11	CONNIE M. HUNTINGTON	FEE & TLE	0.035	0.124	0.159	0.087
12	DAVID L. ZUMWALT & MICHELLE A. ZUMWALT	FEE & TLE	0.254	0.845	1.099	0.056
13	GREGORY E. BOLDON & KATHY L. BOLDON	FEE & TLE	0.296	0.740	1.036	0.035
16	LONNIE L. BISCHOFF	FEE & TLE	0.343	0.812	1.155	0.199
17	THOMAS E. HOLLAND & JULIE L. HOLLAND	FEE & TLE	0.073	0.118	0.191	0.034
18	TRAVIS D. MYERS & TINA M. MYERS	FEE & TLE	0.147	0.089	0.236	0.053

SCHEDULE OF UTILITIES & INTERESTS REQUIRED

PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED
100	AT&T	RELEASE OF RIGHTS
101	CHARTER COMMUNICATIONS	RELEASE OF RIGHTS
102	EAU CLAIRE ENERGY COOPERATIVE	RELEASE OF RIGHTS

- 100** AT&T
No Recorded Easement
Parcels 12,13,16,17,18
- 101** Charter Communications
No Recorded Easement
Parcels 11,12,17,18
- 102** Eau Claire Energy Cooperative
V. 487, P. 170 Doc #462329, Parcel 11
V. 1531, P. 687 Doc #853378, Parcel 11
Doc. #853378, Parcel 11
V. 487, P. 171 Doc #462330, Parcel 12
V. 1174, P. 795 Doc #769898, Parcel 12
V. 1271, P. 564 Doc #801349, Parcel 12
Doc #990527, Parcel 12
V. 487, P. 171 Doc #462330, Parcel 13
V. 1124, P. 451 Doc #752469, Parcel 13
Doc #978970, Parcel 18

CONVENTIONAL UTILITY SYMBOLS

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

CONVENTIONAL ABBREVIATIONS

- ACCESS POINT — AP —
DRIVEWAY CONNECTION — DC —
ACCESS RIGHTS — AR —
ACRES — AC —
ET AL. — ET AL. —
CENTERLINE — C/L —
CERTIFIED SURVEY MAP — CSM —
CORNER — COR —
DOCUMENT — DOC —
EASEMENT — EASE —
(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 —
- RELEASE OF RIGHTS — ROR —
REMAINING — REM —
RIGHT-OF-WAY — R/W —
SECTION — SEC —
STATION — STA —
TEMPORARY LIMITED EASEMENT — TLE —
VOLUME — V —
- CURVE DATA
LONG CHORD — LCH —
LONG CHORD BEARING — LCB —
RADIUS — R —
DEGREE OF CURVE — D —
CENTRAL ANGLE OR DELTA — DELTA —
LENGTH OF CURVE — L —
TANGENT — TAN —

CONVENTIONAL SYMBOLS

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

TRANSPORTATION PROJECT PLAT NO: 7826-05-00 - 4.03

PART OF LOT 1, CERTIFIED SURVEY MAP NO. 1660, RECORDED IN VOLUME 9 OF CERTIFIED SURVEY MAPS, PAGE 65, AS DOCUMENT NO. 773095 LOCATED IN AND INCLUDING UNPLATTED LANDS IN THE SOUTHWEST ¼ OF THE SOUTHWEST ¼ OF SECTION 12; ALSO PART OF THE NORTHWEST ¼ OF THE NORTHWEST ¼ OF SECTION 13, ALL LOCATED IN TOWNSHIP 26 NORTH, RANGE 9 WEST, TOWN OF WASHINGTON, EAU CLAIRE COUNTY, WISCONSIN.

RELOCATION ORDER, CTH II, STH 93 - USH 53, TALMADGE ROAD TO CTH I, EAU CLAIRE COUNTY

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

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SUBSECTIONS 83.07(3), AND 83.08(10)(b), WISCONSIN STATUTES, THE COUNTY OF EAU CLAIRE HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAY OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE NAMED PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE COUNTY FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE COUNTY OF EAU CLAIRE, PURSUANT TO THE PROVISIONS OF SUBSECTION 83.08 (1a) OR (1b), WISCONSIN STATUTES.

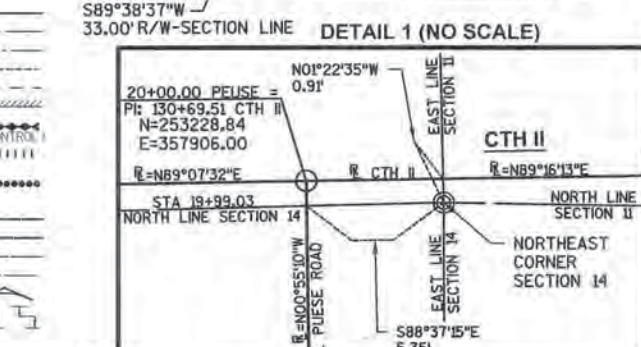
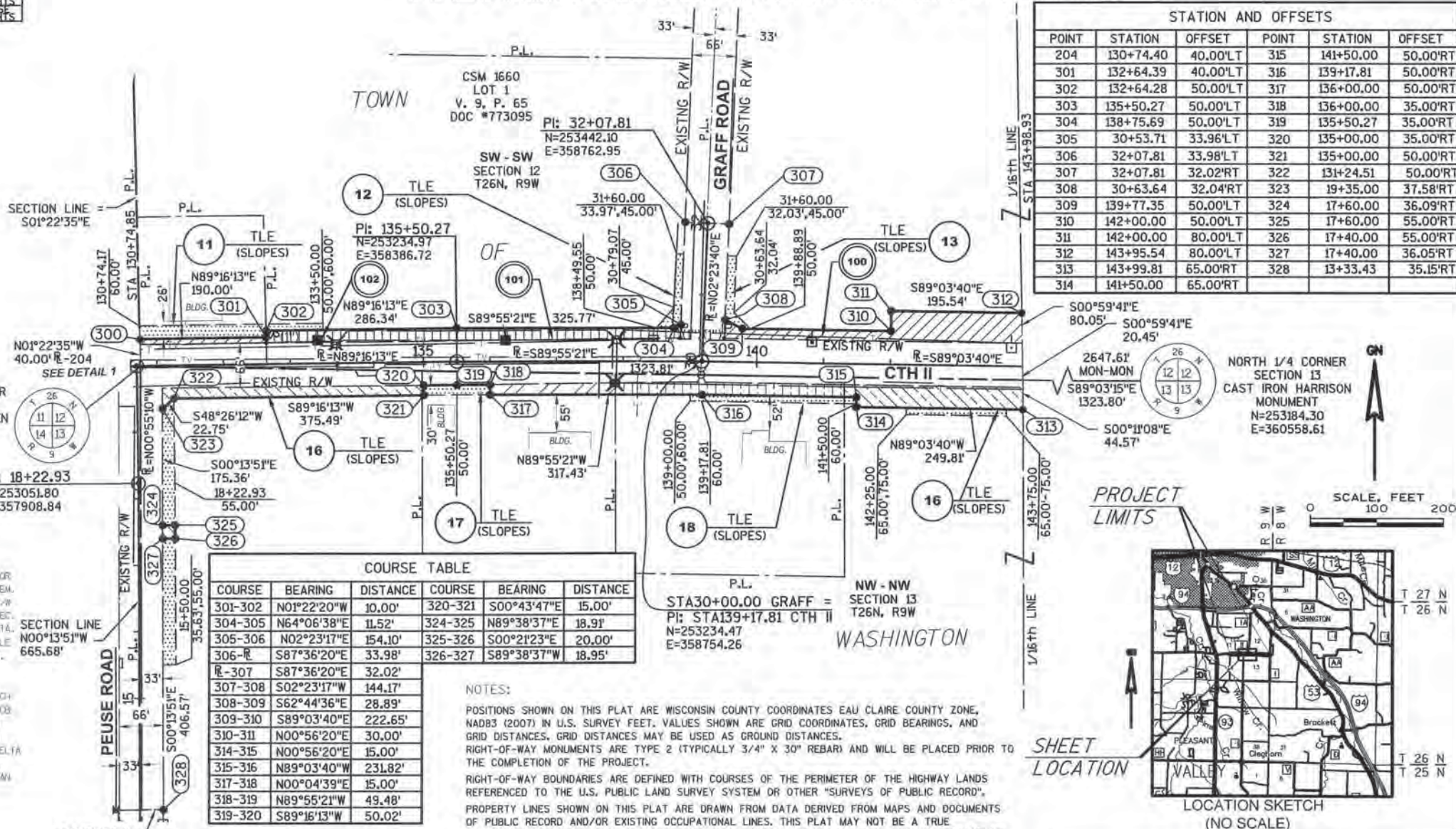
1098401
KATHRYN A. CHRISTENSEN
EAU CLAIRE COUNTY, WI
REGISTER OF DEEDS

RECORDED ON
04/15/2014 1:50 PM

REC FEE: 25.00
TRANSFER FEE:
EXEMPT #:
PAGES: 1

19
VOL 777 PAGE 118

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 7826-05-00 - 4.03
AMENDMENT NO:



NOTES:

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COUNTY COORDINATES EAU CLAIRE COUNTY ZONE, NAD83 (2007) 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 (TYPICALLY 3/4" X 30" REBAR) AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

RIGHT-OF-WAY BOUNDARIES ARE DEFINED WITH COURSES OF THE PERIMETER OF THE HIGHWAY LANDS REFERENCED TO THE U.S. PUBLIC LAND SURVEY SYSTEM OR OTHER "SURVEYS OF PUBLIC RECORD".
PROPERTY LINES SHOWN ON THIS PLAT ARE DRAWN FROM DATA DERIVED FROM MAPS AND DOCUMENTS OF PUBLIC RECORD AND/OR EXISTING OCCUPANCY LINES. THIS PLAT MAY NOT BE A TRUE REPRESENTATION OF EXISTING PROPERTY LINES, EXCLUDING RIGHT-OF-WAY LINES, AND SHOULD NOT BE USED AS A SUBSTITUTE FOR AN ACCURATE FIELD SURVEY.

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE:
C.S.M. 1660 AS RECORDED IN VOLUME 9, PAGE 65 AS DOCUMENT NO. 773095 AT THE EAU CLAIRE COUNTY REGISTER OF DEEDS OFFICE. - CTH II & GRAFF ROAD
C.S.M. 2938 AS RECORDED IN VOLUME 16, PAGE 302 AS DOCUMENT NO. 1094741 AT THE EAU CLAIRE COUNTY REGISTER OF DEEDS OFFICE. - CTH II
SURVEY MAP COMPLETED IN JULY 1997 BY RLS 1924 AND ON FILE AT THE EAU CLAIRE COUNTY SURVEYORS OFFICE. - CTH II & GRAFF ROAD
C.S.M. 941 AS RECORDED IN VOLUME 5, PAGE 92-93 AS DOCUMENT NO. 644556 AT THE EAU CLAIRE COUNTY REGISTER OF DEED OFFICE. - PEUSE ROAD

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

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

AYRES ASSOCIATES
Engineers/Planners
Surveyors & Scientists
3433 Oakwood Hills Parkway
Eau Claire, WI 54601

I, JAMEY L. REID, 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 COUNTY, I HAVE SURVEYED AND MAPPED TRANSPORTATION PROJECT PLAT 7826-05-00 - 4.03 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

SIGNATURE: *Jamey L. Reid* DATE: 4/15/2014
PRINTED NAME: JAMEY L. REID
REGISTRATION NUMBER: S-2559
THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR EAU CLAIRE COUNTY
SIGNATURE: *Matthew T. Egan* DATE: 4/15/2014
PRINTED NAME: MATTHEW T. EGAN

WISCONSIN
JAMEY L. REID
Portage, WI
S-2559
PROFESSIONAL LAND SURVEYOR

SCHEDULE OF LANDS & INTERESTS REQUIRED

PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	R/W NEW ACRES	R/W EXISTING ACRES	R/W TOTAL ACRES	TLE ACRES
19	SCOTT A. BISCHOFF	FEE & TLE	2.208	2.007	4.215	0.595

SCHEDULE OF UTILITIES & INTERESTS REQUIRED

PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED
100	AT&T	RELEASE OF RIGHTS
102	EAU CLAIRE ENERGY COOPERATIVE	RELEASE OF RIGHTS
103	DAIRYLAND POWER COOPERATIVE	RELEASE OF RIGHTS

- 100 AT&T
No Recorded Easement
Parcels 19
- 102 Eau Claire Energy Cooperative
V. 487, P. 168 Doc #462327, Parcel 19
Doc #990533, Parcel 19
- 103 Dairyland Power Cooperative
V. 459, P. 550 Doc #443964, Parcel 19

CONVENTIONAL UTILITY SYMBOLS

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

CONVENTIONAL ABBREVIATIONS

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

CONVENTIONAL SYMBOLS

FOUND IRON PIPE/PIN	—IP—
R/W MONUMENT	—M—
R/W STANDARD	—S—
STATION	—ST—
SECTION CORNER MONUMENT	—SCM—
SECTION CORNER SYMBOL	—SCS—
FEE (HATCH VARIES)	—F—
TEMPORARY LIMITED EASEMENT	—TLE—
PERMANENT LIMITED EASEMENT	—P.L.E.—
R/W BOUNDARY POINT	—RWB—
PARCEL NUMBER	—P#—
UTILITY INTEREST	—U—
STATION NUMBER (OFF PREMISE)	—SN—
BUILDING	—B—

NOTES:

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COUNTY COORDINATES EAU CLAIRE COUNTY ZONE, NAD83 (2007) 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 (TYPICALLY 3/4" X 30" REBAR) AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

RIGHT-OF-WAY BOUNDARIES ARE DEFINED WITH COURSES OF THE PERIMETER OF THE HIGHWAY LANDS REFERENCED TO THE U.S. PUBLIC LAND SURVEY SYSTEM OR OTHER "SURVEYS OF PUBLIC RECORD". PROPERTY LINES SHOWN ON THIS PLAT ARE DRAWN FROM DATA DERIVED FROM MAPS AND DOCUMENTS OF PUBLIC RECORD AND/OR EXISTING OCCUPATIONAL LINES. THIS PLAT MAY NOT BE A TRUE REPRESENTATION OF EXISTING PROPERTY LINES, EXCLUDING RIGHT-OF-WAY LINES, AND SHOULD NOT BE USED AS A SUBSTITUTE FOR AN ACCURATE FIELD SURVEY.

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE: C.S.M. 1660 AS RECORDED IN VOLUME 9, PAGE 65 AS DOCUMENT NO. 773095 AT THE EAU CLAIRE COUNTY REGISTER OF DEEDS OFFICE. - CTH II
C.S.M. 2938 AS RECORDED IN VOLUME 16, PAGE 302 AS DOCUMENT NO. 1094741 AT THE EAU CLAIRE COUNTY REGISTER OF DEEDS OFFICE. - CTH II
SURVEY MAP COMPLETED IN JULY 1997 BY RLS 1924 AND ON FILE AT THE EAU CLAIRE COUNTY SURVEYORS OFFICE. - CTH II

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

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

TRANSPORTATION PROJECT PLAT NO: 7826-05-00 - 4.05

PART OF THE SOUTHWEST 1/4 OF THE SOUTHEAST 1/4 OF SECTION 12; ALSO PART OF THE NORTHWEST 1/4 OF THE NORTHEAST 1/4 OF SECTION 13, ALL LOCATED IN TOWNSHIP 26 NORTH, RANGE 9 WEST, TOWN OF WASHINGTON, EAU CLAIRE COUNTY, WISCONSIN.

RELOCATION ORDER, CTH II, STH 93 - USH 53, TALMADGE ROAD TO CTH I, EAU CLAIRE COUNTY

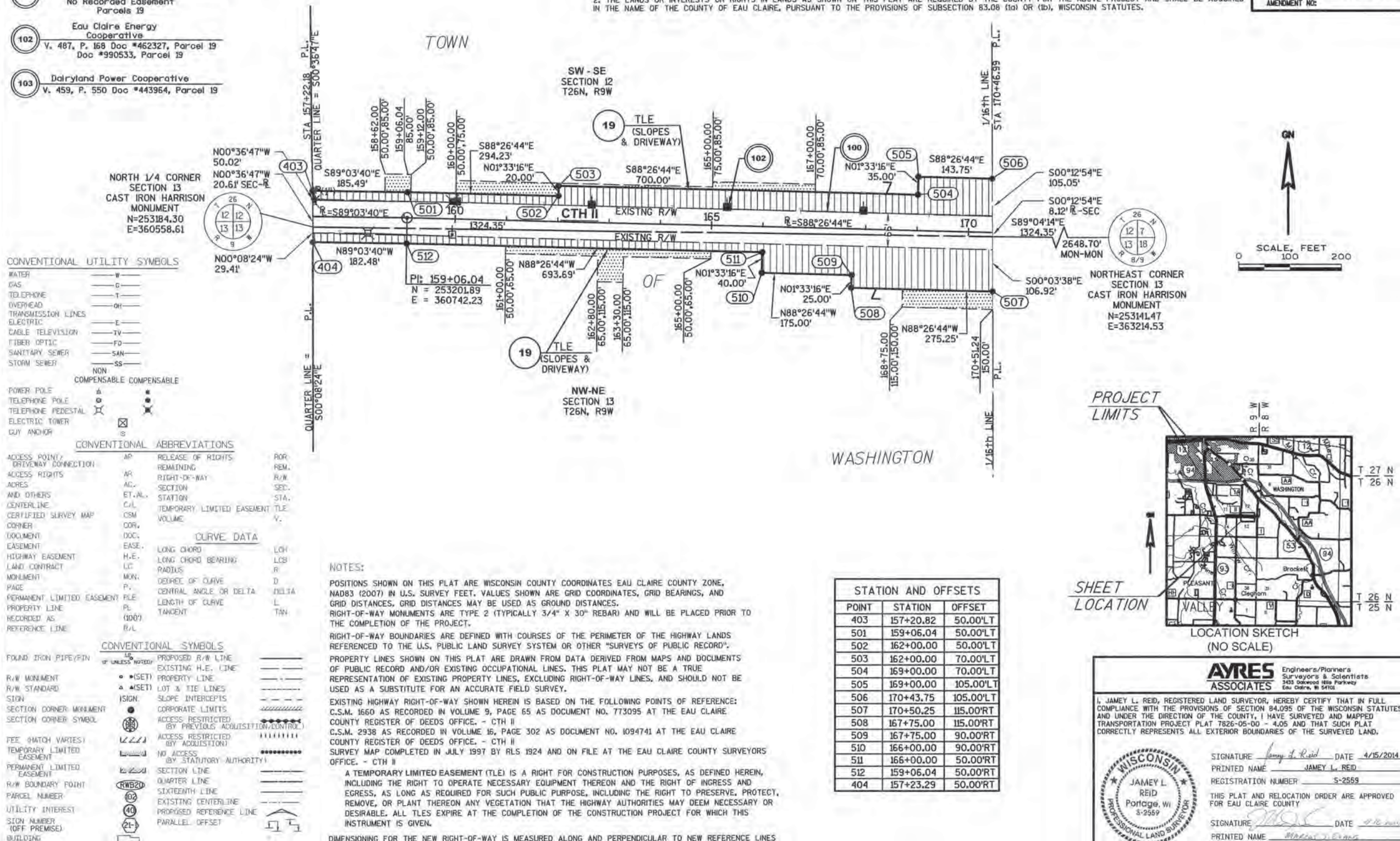
TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE COUNTY OF EAU CLAIRE DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE NAMED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

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SUBSECTIONS 83.07(3), AND 83.08(1a)(b), WISCONSIN STATUTES, THE COUNTY OF EAU CLAIRE HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE NAMED PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE COUNTY FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE COUNTY OF EAU CLAIRE, PURSUANT TO THE PROVISIONS OF SUBSECTION 83.08 (1a) OR (1b), WISCONSIN STATUTES.

1098403
KATHRYN A. CHRISTENSEN
EAU CLAIRE COUNTY, WI
REGISTER OF DEEDS
RECORDED ON
04/18/2014 3:50 PM
REC FEE: \$25.00
TRANSFER FEE:
EXEMPT FEE:
PAGE(S) 1

VOL 111 PAGE 128

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 7826-05-00 - 4.05
AMENDMENT NO:



SCHEDULE OF LANDS & INTERESTS REQUIRED

PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	R/W NEW ACRES	R/W EXISTING ACRES	R/W TOTAL ACRES	TLE ACRES
21	RICHARD H. LOWATER & KRISTI S. LOWATER	FEE & TLE	1.498	1.176	2.674	0.495
22	PAUL POWERS & LAURIE POWERS	FEE & TLE	1.172	1.038	2.210	0.214

SCHEDULE OF UTILITIES & INTERESTS REQUIRED

PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED
100	AT&T	RELEASE OF RIGHTS
102	EAU CLAIRE ENERGY COOPERATIVE	RELEASE OF RIGHTS

- 100 AT&T
No Recorded Easement
Parcel 21
- 102 Eau Claire Energy Cooperative
V. 487, P. 172 Doc #462331, Parcel 21
V. 817, P. 182 Doc #631787, Parcel 21
Doc #990531, Parcel 21

NORTH 1/4 CORNER
SECTION 13
CAST IRON HARRISON
MONUMENT
N=253184.30
E=360558.61

CONVENTIONAL UTILITY SYMBOLS

WATER
GAS
TELEPHONE
OVERHEAD
TRANSMISSION LINES
ELECTRIC
CABLE TELEVISION
FIBER OPTIC
SANITARY SEWER
STORM SEWER

NON COMPENSABLE COMPENSABLE

POWER POLE
TELEPHONE POLE
TELEPHONE PEDESTAL
ELECTRIC TOWER
GUY ANCHOR

CONVENTIONAL ABBREVIATIONS

ACCESS POINT
DRIVEWAY CONNECTION
ACCESS RIGHTS
ACRES
AND OTHERS
CENTERLINE
CERTIFIED SURVEY MAP
CORNER
DOCUMENT
EASEMENT
HIGHWAY EASEMENT
LAND CONTRACT
MONUMENT
PAGE
PERMANENT LIMITED EASEMENT
PROPERTY LINE
RECORDED AS
REFERENCE LINE

CURVE DATA

LONG CHORD
LONG CHORD BEARING
RADIUS
DEGREE OF CURVE
CENTRAL ANGLE OR DELTA
LENGTH OF CURVE
TANGENT

CONVENTIONAL SYMBOLS

FOUND IRON PIPE/PIV
PROPOSED R/W LINE
EXISTING H.E. LINE
PROPERTY LINE
LOT & TIE LINES
SLOPE INTERCEPTS
CORPORATE LIMITS
ACCESS RESTRICTED
(BY PREVIOUS ACQUISITION/CONTROL)
NO ACCESS
(BY STATUTORY AUTHORITY)
SECTION LINE
QUARTER LINE
SIXTEENTH LINE
EXISTING CENTERLINE
PROPOSED REFERENCE LINE
PARALLEL OFFSET

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

TRANSPORTATION PROJECT PLAT NO: 7826-05-00 - 4.06

PART OF THE SOUTHEAST 1/4 OF THE SOUTHEAST 1/4 OF SECTION 12; ALSO PART OF THE NORTHEAST 1/4 OF THE NORTHEAST 1/4 OF SECTION 13, ALL LOCATED IN TOWNSHIP 26 NORTH, RANGE 9 WEST, TOWN OF WASHINGTON, EAU CLAIRE COUNTY, WISCONSIN.

RELOCATION ORDER, CTH II, STH 93 - USH 53, TALMADGE ROAD TO CTH I, EAU CLAIRE COUNTY

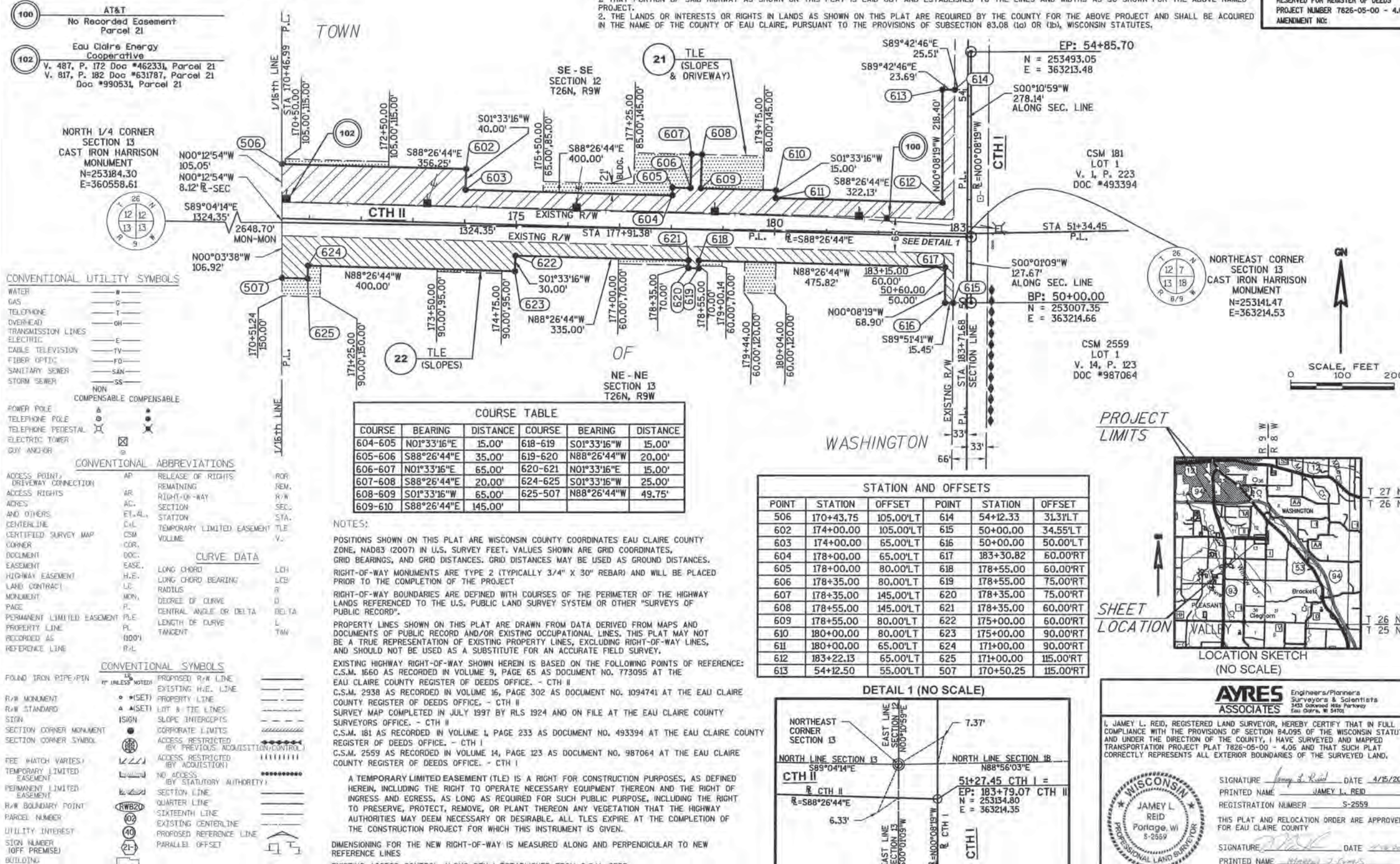
TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE COUNTY OF EAU CLAIRE DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE NAMED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

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SUBSECTIONS 83.07(3), AND 83.08(1a)(1b), WISCONSIN STATUTES, THE COUNTY OF EAU CLAIRE HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAY OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE NAMED PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE COUNTY FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE COUNTY OF EAU CLAIRE, PURSUANT TO THE PROVISIONS OF SUBSECTION 83.08 (1a) OR (1b), WISCONSIN STATUTES.

1098404
KATHRYN A. CHRISTENSEN
EAU CLAIRE COUNTY, WI
REGISTER OF DEEDS
RECORDED ON
04/16/2014 1:50 PM
REC FEE: \$25.00
TRANSFER FEE:
EXEMPT 0
PAGES: 1

VOL 174 PAGE 138

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 7826-05-00 - 4.06
AMENDMENT NO:



FILE NAME : 410650RWP.DWG
APPRAISAL PLAT DATE : April 15, 2014

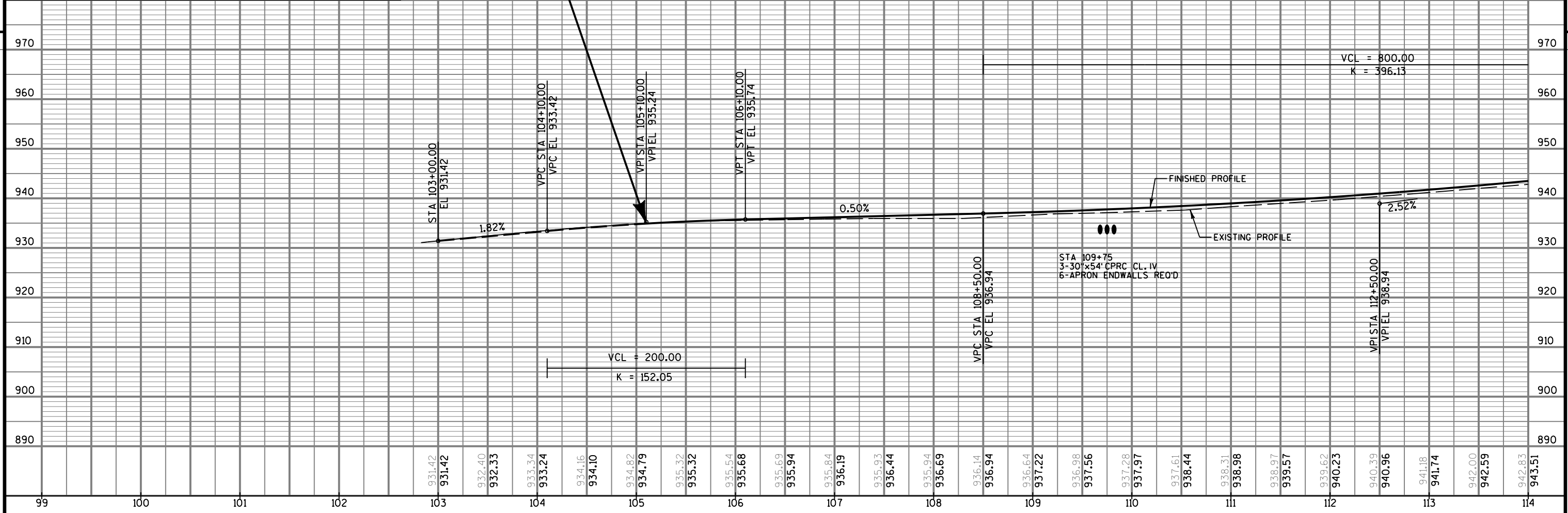
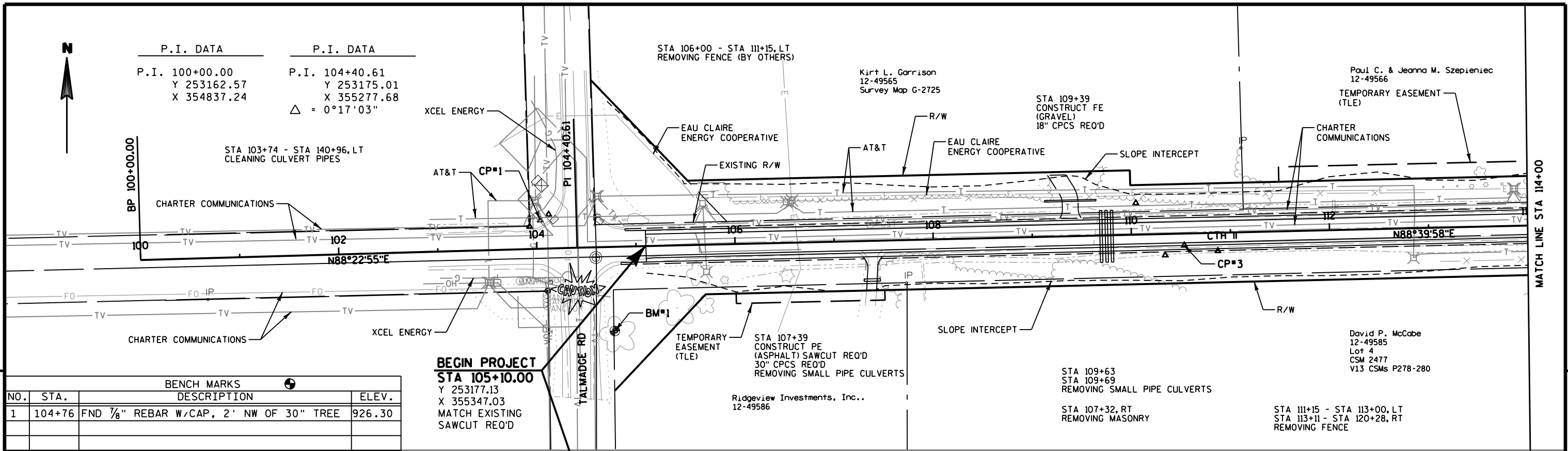
PLOT DATE : 4/15/2014 9:47 AM

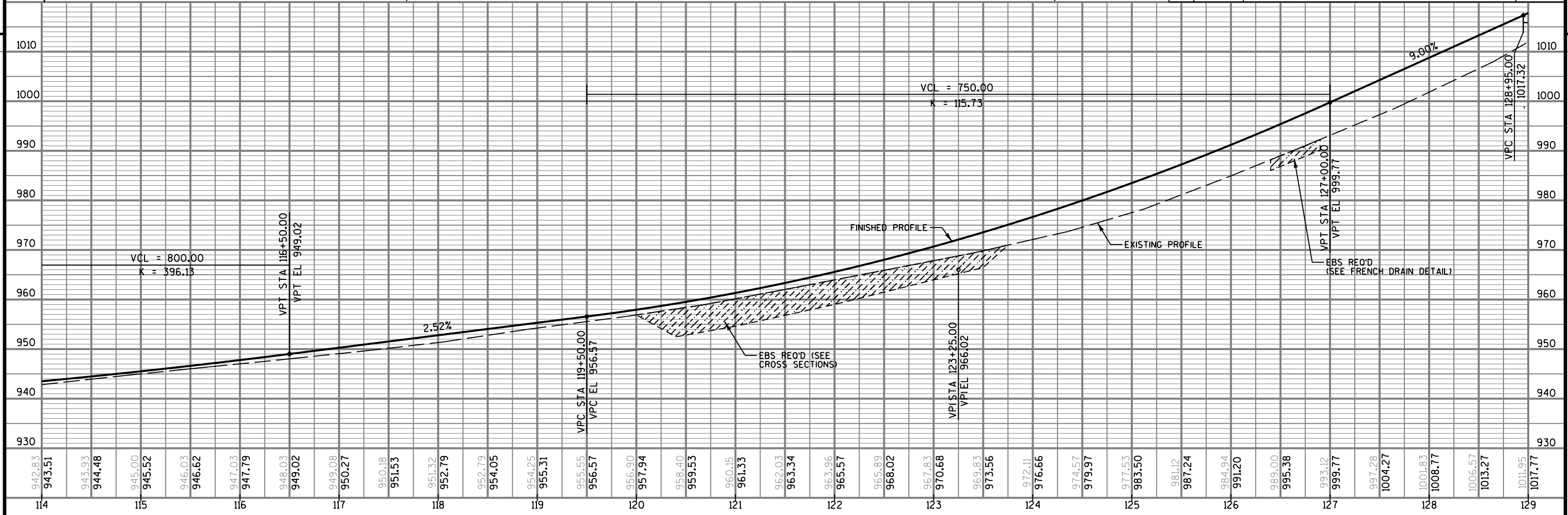
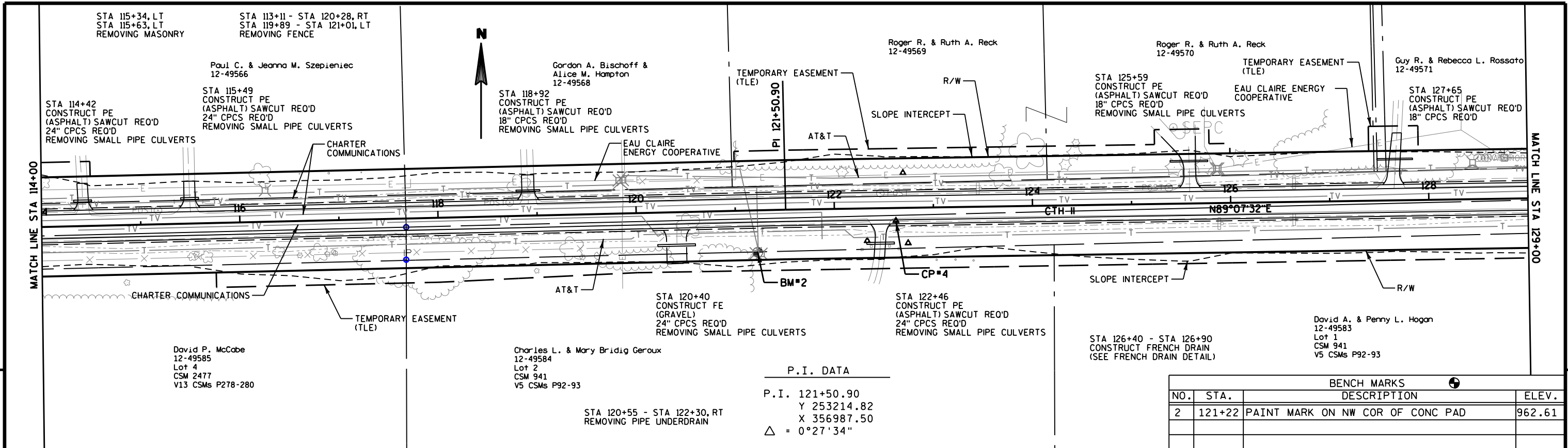
PLOT BY : CAPPEART, JAMES

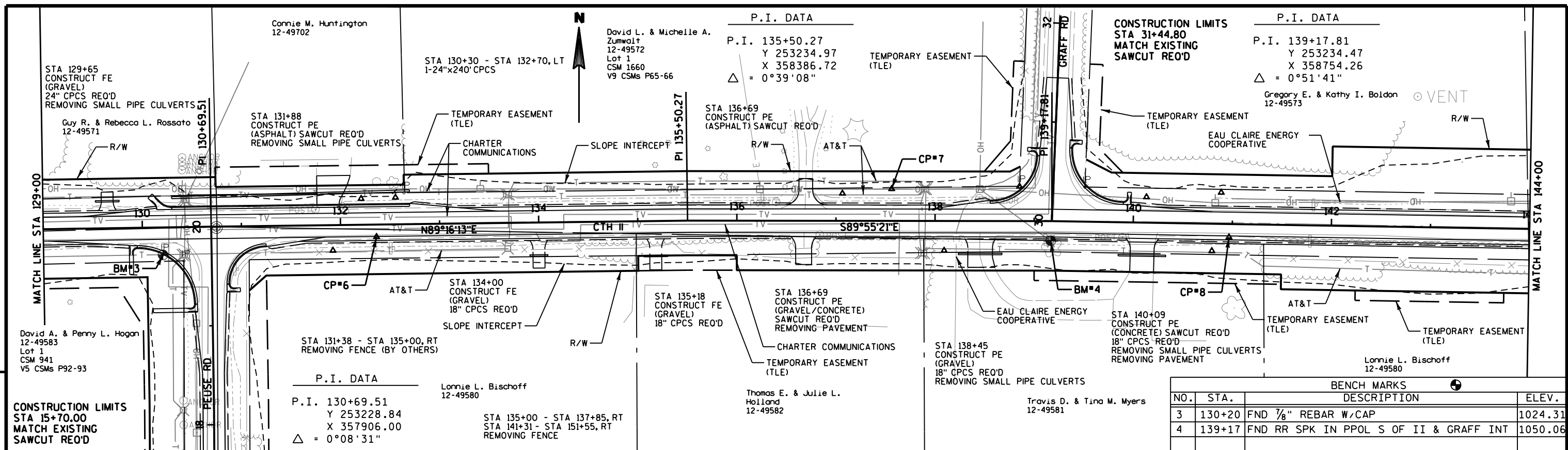
PLOT NAME :

PLOT SCALE : 1:100

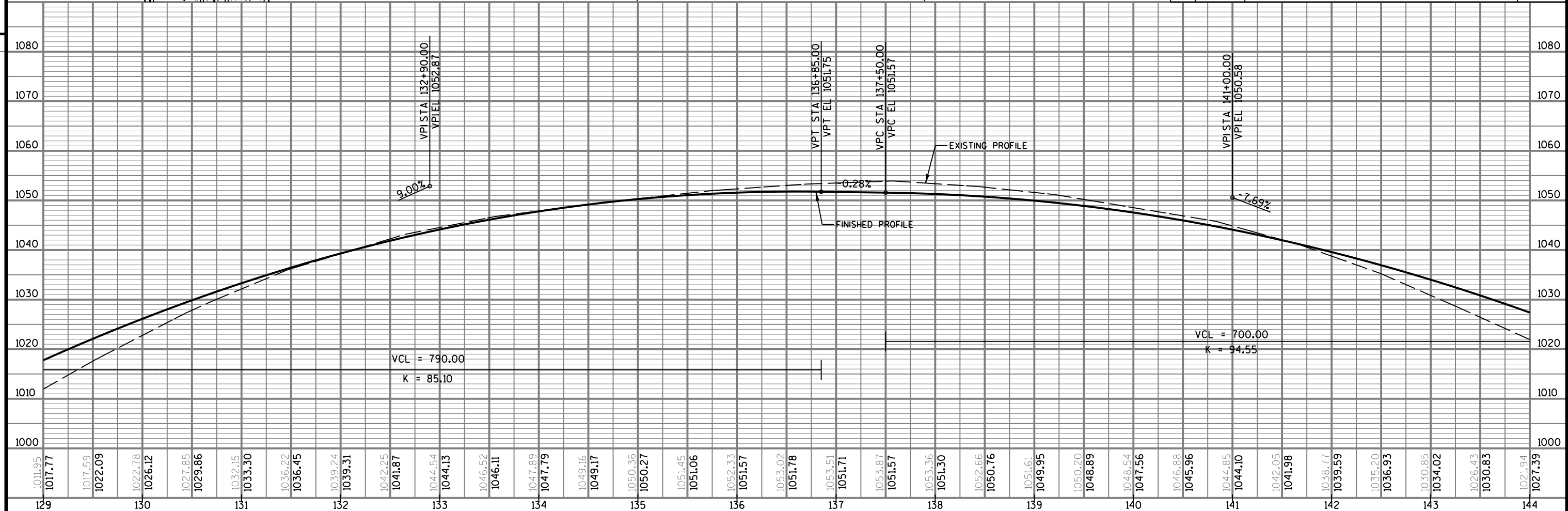
CTH II 7826-05-00 4.06







BENCH MARKS			
NO.	STA.	DESCRIPTION	ELEV.
3	130+20	FND 7/8" REBAR W/CAP	1024.31
4	139+17	FND RR SPK IN PPOL S OF II & GRAFF INT	1050.06



Gregory E. & Kathy I. Boldon
12-49574

Thomas F. & Erin L. Swanson
12-49575

STA 141+31 - STA 151+55, RT
STA 153+87 - STA 157+26, LT
REMOVING FENCE

Scott A. Bischoff
Life Estate to David C. &
Sharon M. Bischoff
12-49576

STA 158+87
CONSTRUCT FE
(GRAVEL/ASPHALT)

TEMPORARY EASEMENT
(TLE)
BM#5

STA 158+92
CONSTRUCT PE
(GRAVEL)
18" CPCS REQ'D
REMOVING SMALL PIPE CULVERTS

Scott A. Bischoff
Life Estate to David C. &
Sharon M. Bischoff
12-49579

STA 151+86
CONSTRUCT FE
(GRAVEL)

TEMPORARY EASEMENT
(TLE)
AT&T

STA 152+71
CONSTRUCT PE
(GRAVEL)
18" CPCS REQ'D
REMOVING SMALL PIPE CULVERTS

Lonnie L. Bischoff
12-49580

EAU CLAIRE ENERGY
COOPERATIVE

TEMPORARY EASEMENT
(TLE)

AT&T

S89°03'40"E

CTH II

R/W

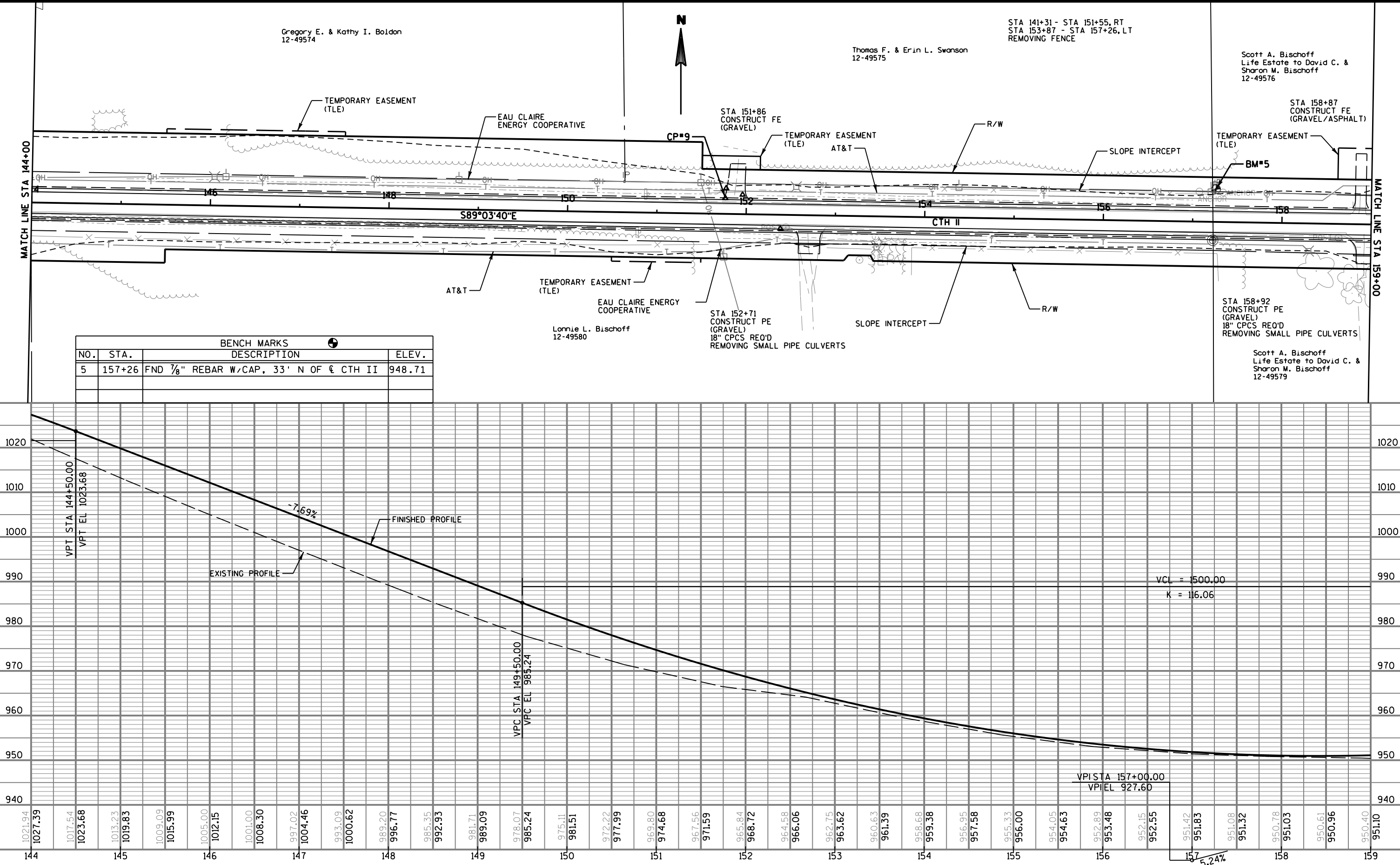
SLOPE INTERCEPT

R/W

SLOPE INTERCEPT



BENCH MARKS			
NO.	STA.	DESCRIPTION	ELEV.
5	157+26	FND 1/8" REBAR W/CAP, 33' N OF C CTH II	948.71



PROJECT NO: 7826-05-70

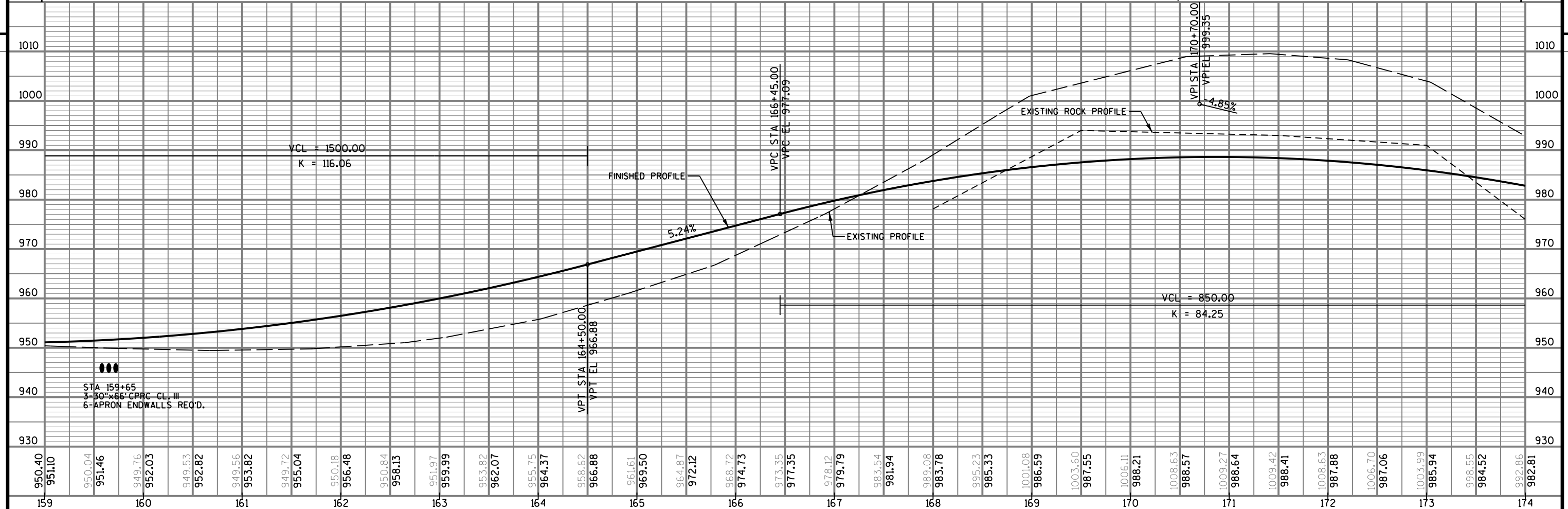
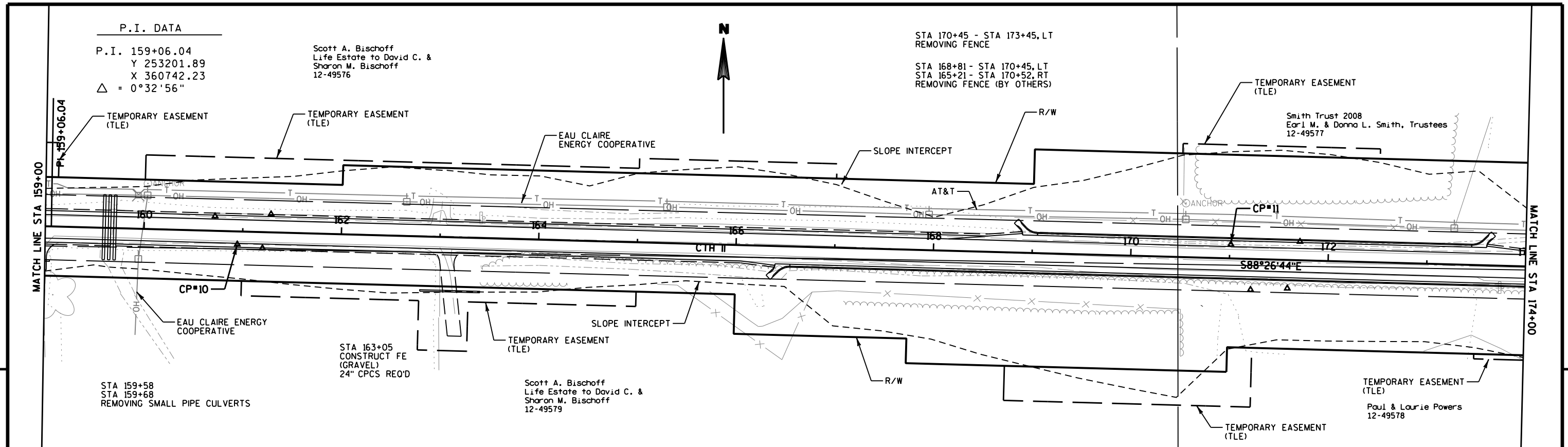
HWY: CTH II

COUNTY: EAU CLAIRE

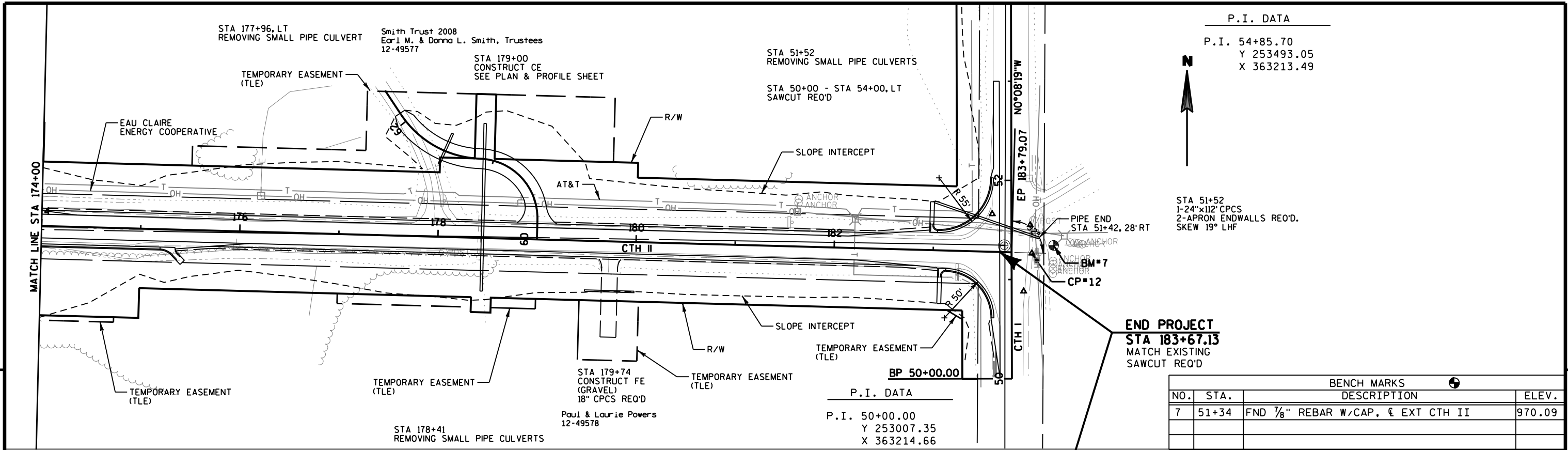
PLAN & PROFILE

SHEET

E



PROJECT NO: 7826-05-70	HWY: CTH II	COUNTY: EAU CLAIRE	PLAN & PROFILE	SHEET	E
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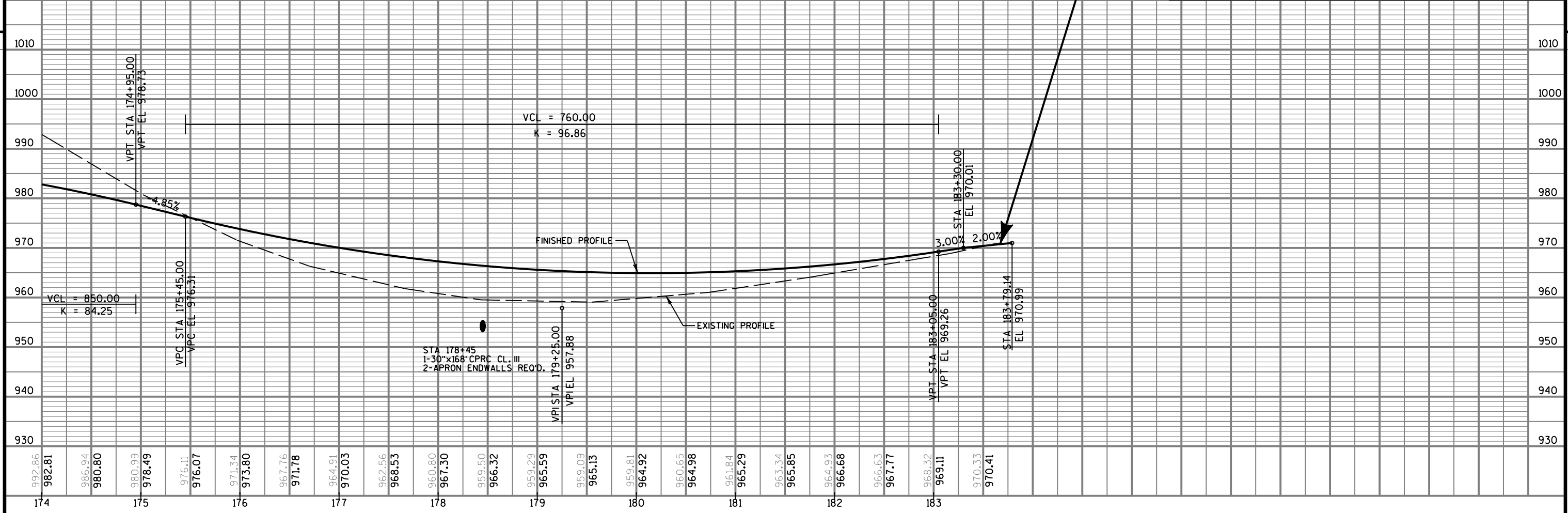


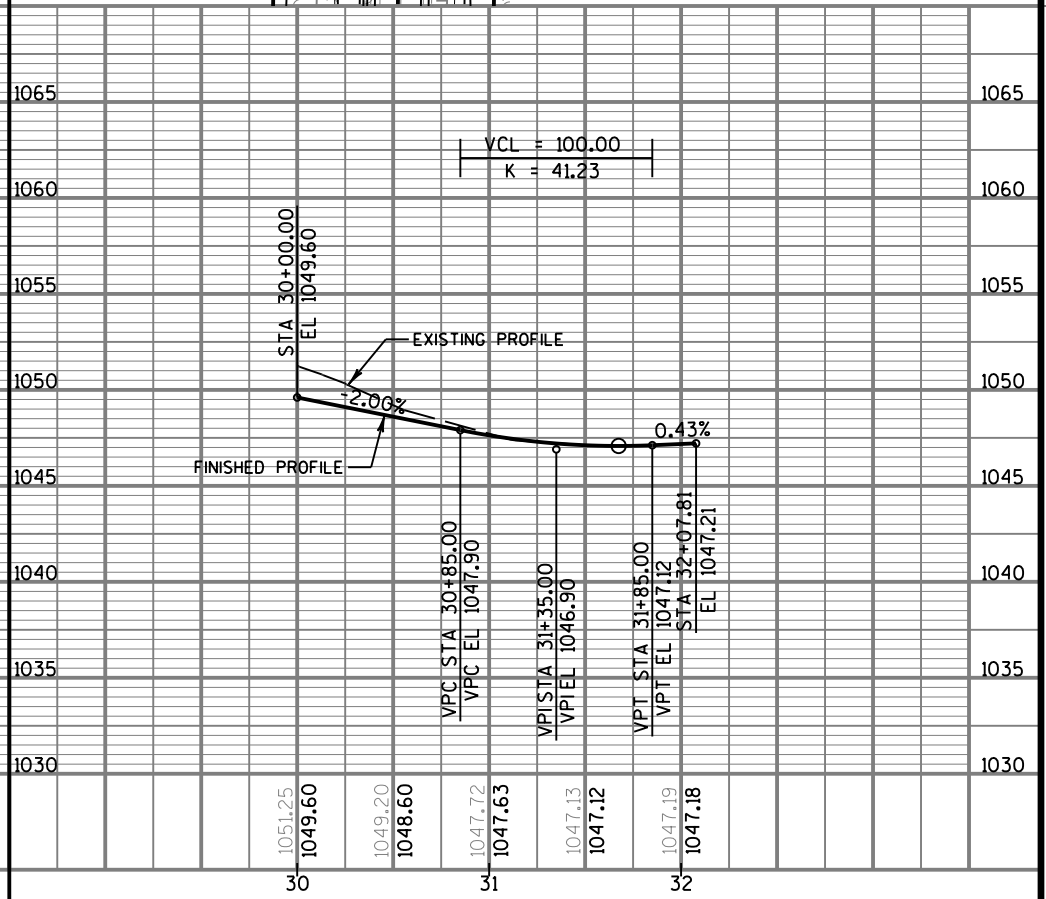
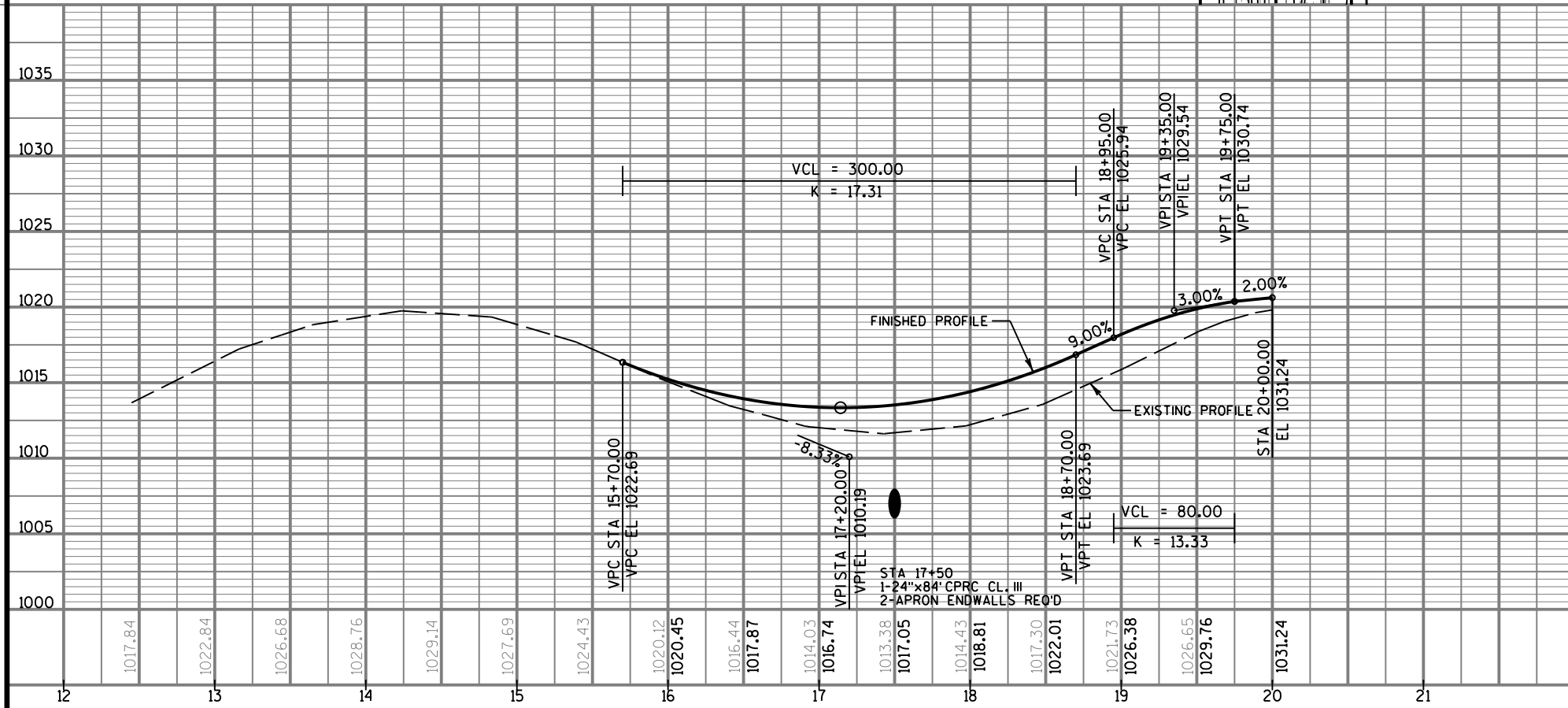
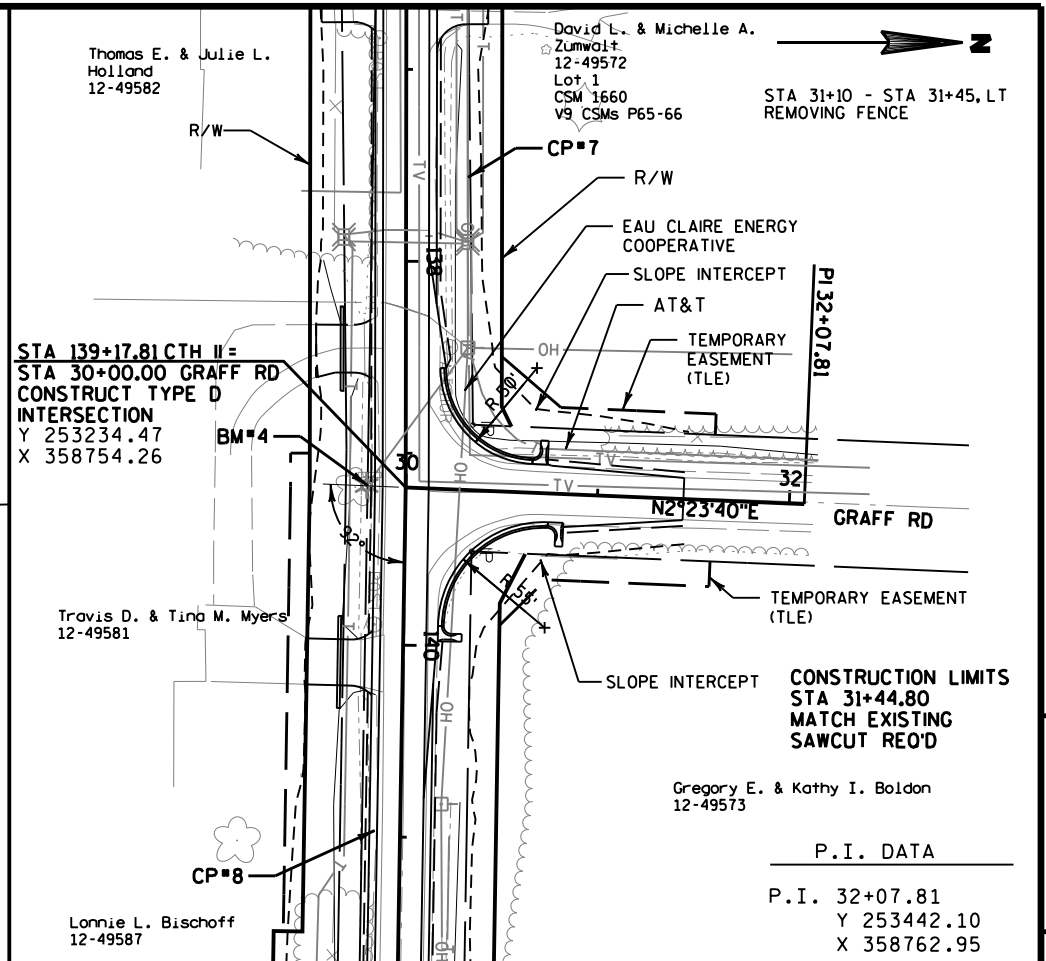
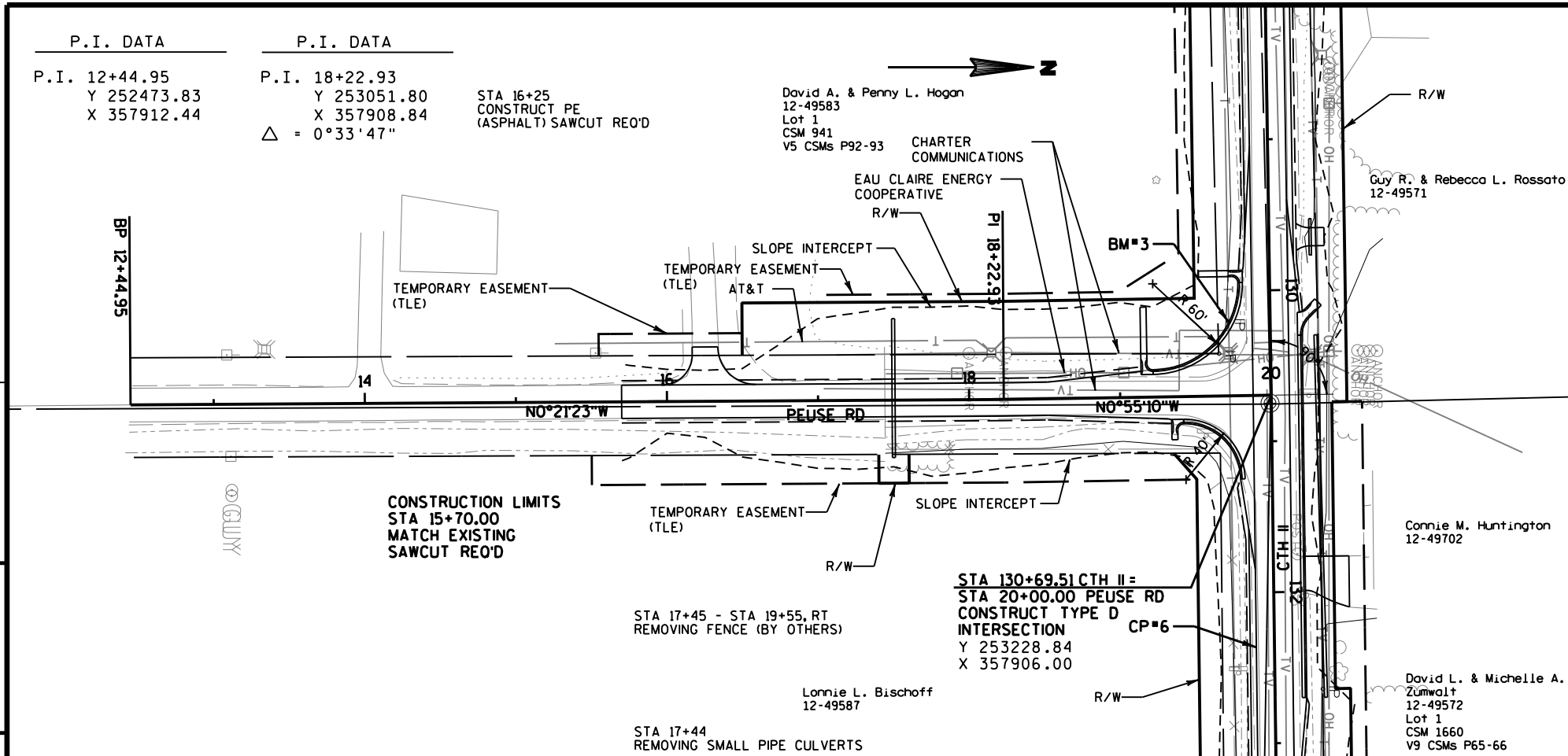
P.I. DATA
P.I. 54+85.70
Y 253493.05
X 363213.49

STA 51+52
1-24"x112' CPCS
2-APRON ENDWALLS REQ'D.
SKEW 19° LHF

END PROJECT
STA 183+67.13
MATCH EXISTING
SAWCUT REQ'D

BENCH MARKS			
NO.	STA.	DESCRIPTION	ELEV.
7	51+34	FND 1/8" REBAR W/CAP, & EXT CTH II	970.09





PROJECT NO: 7826-05-70

HWY: CTH II

COUNTY: EAU CLAIRE

PLAN & PROFILE

SHEET

E

FILE NAME : T:\410650\DGN-DWG\PLAN\050107_.pp.dgn

PLOT DATE : 10/17/2014

PLOT BY : AYRES-EC

PLOT NAME :

PLOT SCALE : 1:100

WISDOT/CADDs SHEET 40

CONSTRUCTION LIMITS
STA 62+10.00
MATCH EXISTING
SAWCUT REQ'D

Smith Trust 2008
Earl M. & Donna L. Smith, Trustees
12-49577

TEMPORARY EASEMENT
(TLE)
SLOPE INTERCEPT

PROPOSED R/W
(FEE ACQUISITION)

EXISTING R/W

Paul & Laurie Powers
12-49578



P.I. DATA

P.I. 60+00.00
Y 253147.81
X 362735.39

CURVE DATA

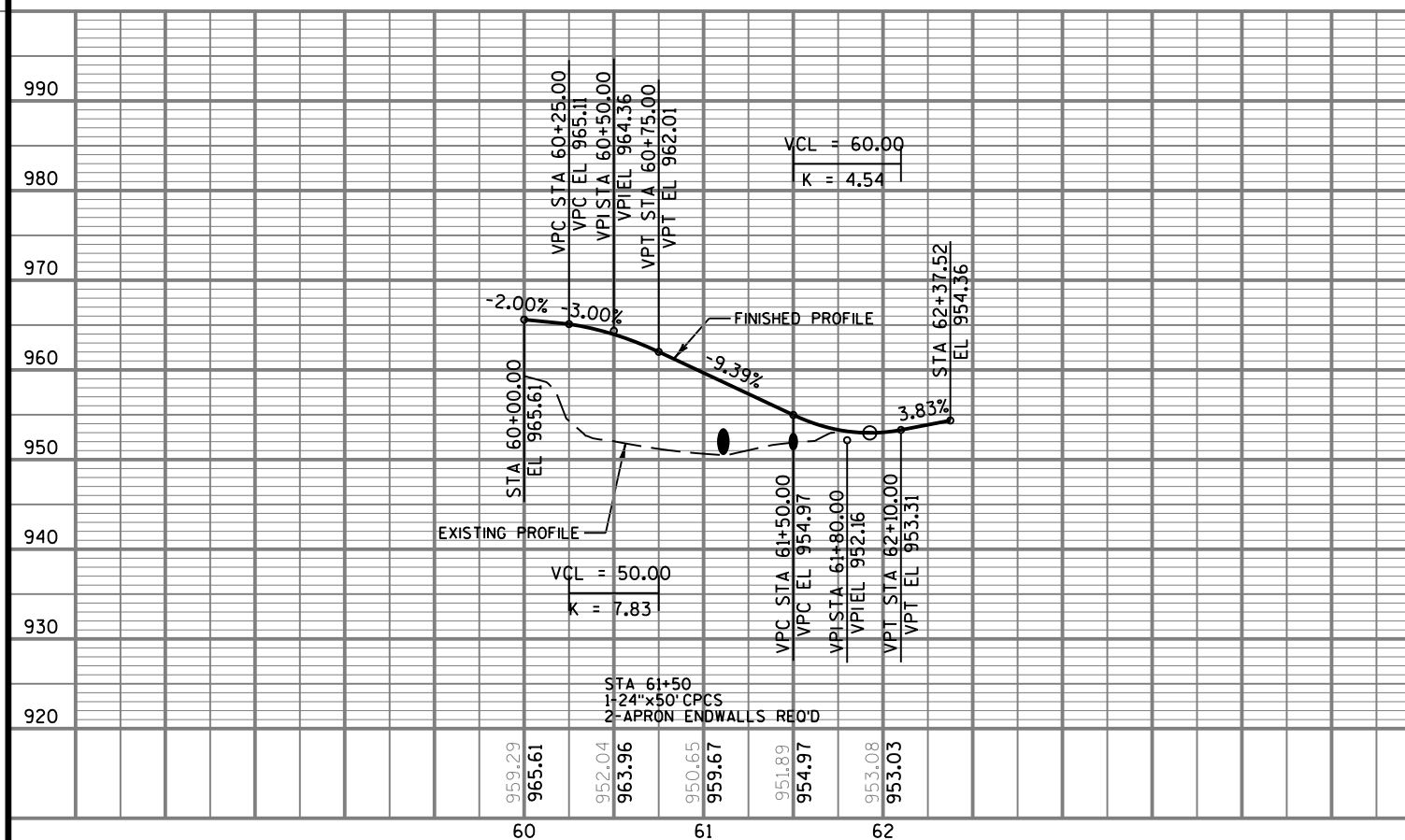
P.I. 60+79.36
Y 253227.15
X 362737.30
 $\Delta = 89^\circ 22' 59''$
D = 95°29'35"
T = 59.36'
L = 93.60'
E = 24.40'
R = 60.00'
P.C. 60+20.00
P.R.C61+13.60
S.E. N.C.

CURVE DATA

P.I. 61+65.08
Y 253231.02
X 362626.54
 $\Delta = 54^\circ 28' 26''$
D = 57°17'45"
T = 51.47'
L = 95.08'
E = 12.47'
R = 100.00'
P.R.C61+13.60
P.T. 62+08.68
S.E. N.C.

P.I. DATA

P.I. 62+37.52
Y 253297.97
X 362582.18



PROJECT NO: 7826-05-70

HWY: CTH II

COUNTY: EAU CLAIRE

PLAN & PROFILE - SMITH TREE FARM DRIVEWAY

SHEET

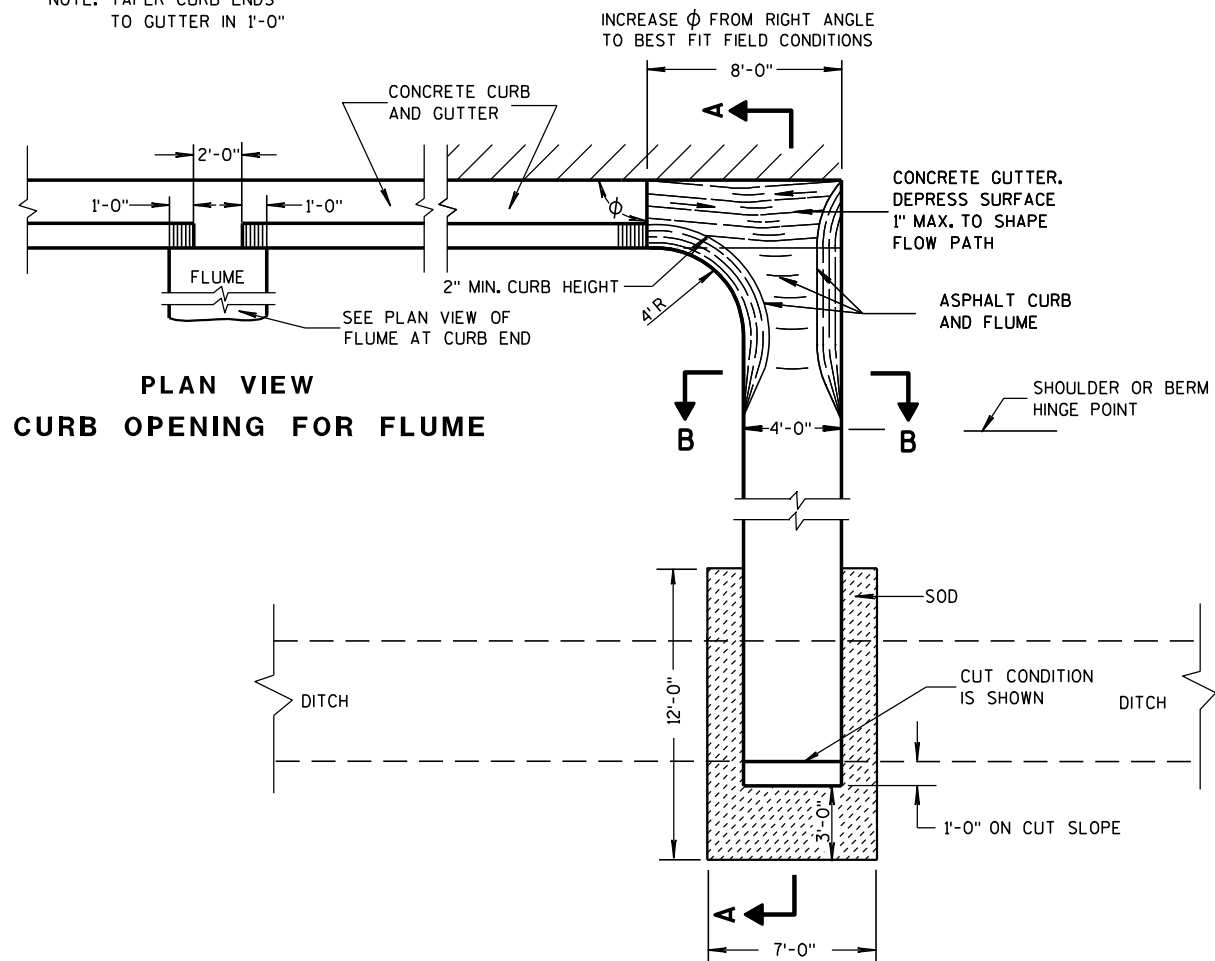
E

Standard Detail Drawing List

08D01-17	CONCRETE CURB, CONCRETE CURB AND GUTTER AND TIES
08D04-05	CONCRETE SURFACE DRAINS & ASPHALTIC FLUMES
08E08-03	TYPICAL INSTALLATIONS OF EROSION BALES / TEMPORARY DITCH CHECKS
08E09-06	SILT FENCE
08F01-11	APRON ENDWALLS FOR CULVERT 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
15C02-05A	BARRICADES AND SIGNS FOR MAINLINE CLOSURES
15C02-05B	BARRICADES AND SIGNS FOR MAINLINE CLOSURES
15C02-05C	DETOUR SIGNING FOR MAINLINE CLOSURES
15C03-02	BARRICADES AND SIGNS FOR SIDEROAD CLOSURES
15C08-16A	PAVEMENT MARKING (MAINLINE)
15C08-16B	PAVEMENT MARKING (INTERSECTIONS)
15C12-04	TRAFFIC CONTROL FOR LANE CLOSURE (SUITABLE FOR MOVING OPERATIONS)
15D28-02	TRAFFIC CONTROL, WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY

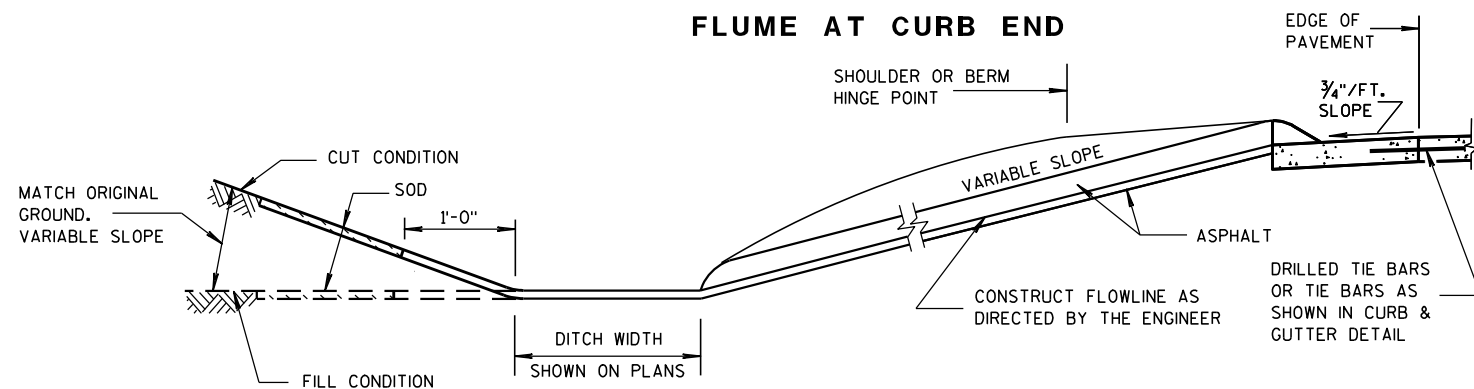
ASPHALTIC FLUME

NOTE: TAPER CURB ENDS
TO GUTTER IN 1'-0"

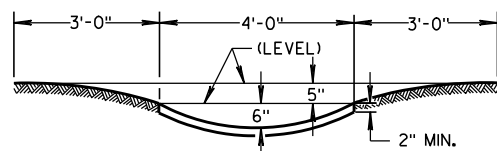


PLAN VIEW
CURB OPENING FOR FLUME

PLAN VIEW
FLUME AT CURB END



SECTION A-A



SECTION B-B

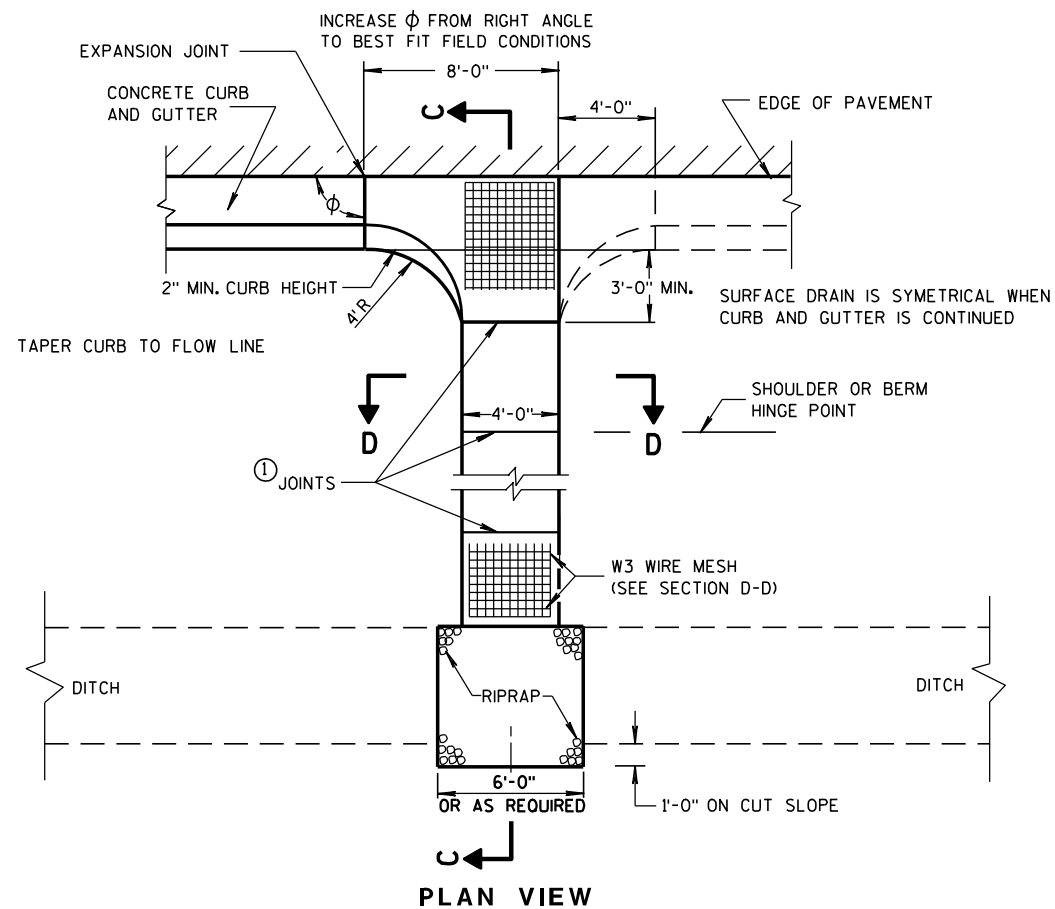
GENERAL NOTES

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

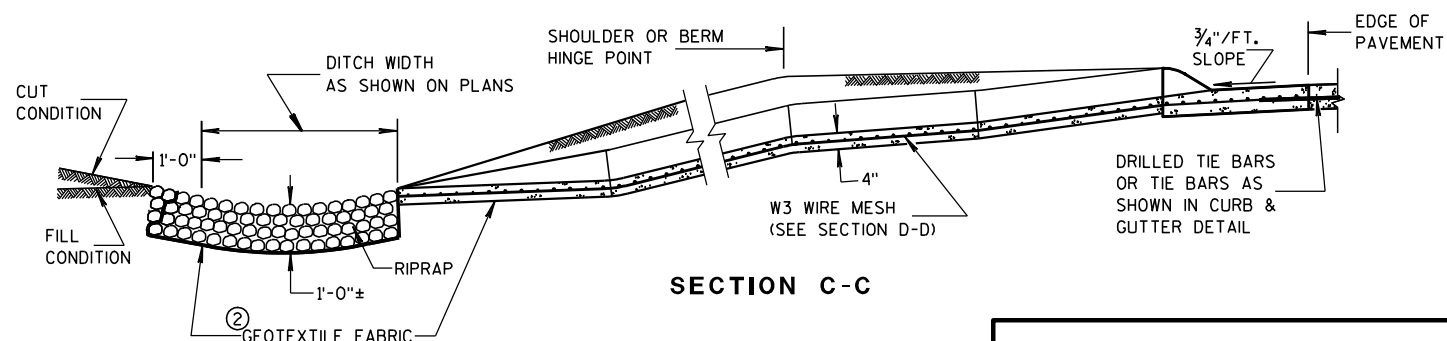
WELDED STEEL WIRE FABRIC SHALL BE IN ACCORDANCE WITH AASHTO SPECIFICATION M55.

- ① JOINTS SHALL BE 1/8" TO 1/4" INCH WIDE BY 1 1/2" INCHES DEEP AND SPACED AT UNIFORM INTERVALS OF APPROXIMATELY 4 FEET.
- ② GEOTEXTILE FABRIC TYPE "R" SHALL UNDERLAY THE FULL LENGTH AND WIDTH OF THE CONCRETE SURFACE DRAIN AND RIPRAP.
- ③ CONCRETE SURFACE DRAIN WITHOUT CURB AND GUTTER MAY BE USED ON BACKSLOPES WHEN SPECIFIED

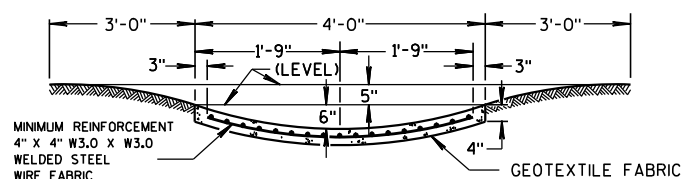
③ CONCRETE SURFACE DRAIN



PLAN VIEW



SECTION C-C



SECTION D-D

CONCRETE SURFACE DRAINS & ASPHALTIC FLUMES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

9-4-08

DATE

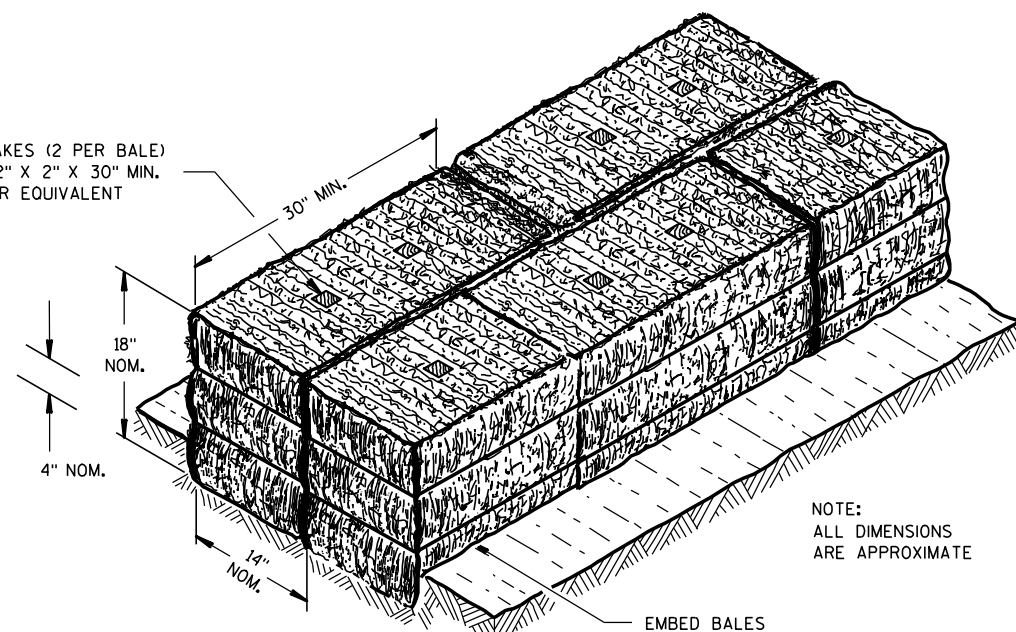
FHWA

/S/ Jerry H. Zogg

ROADWAY STANDARDS DEVELOPMENT

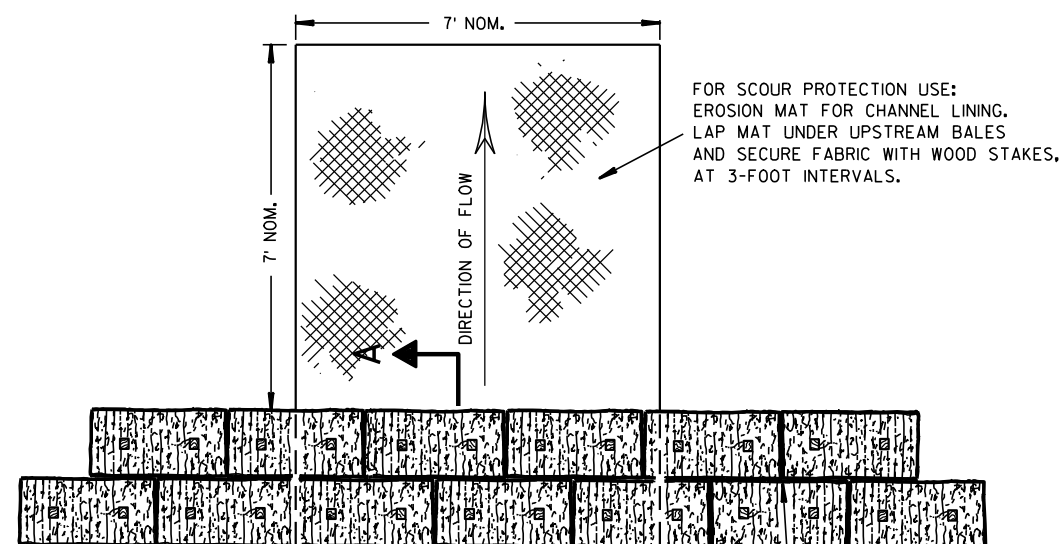
ENGINEER

WOOD STAKES (2 PER BALE)
NOMINAL 2" X 2" X 30" MIN.
LENGTH OR EQUIVALENT

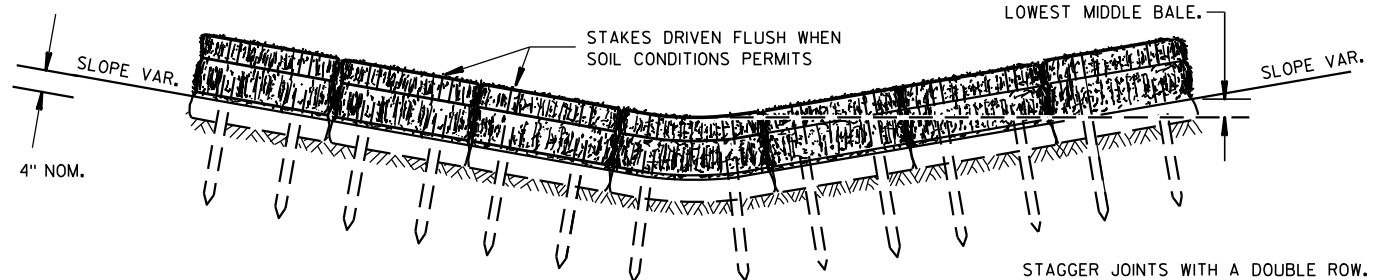


NOTE:
ALL DIMENSIONS
ARE APPROXIMATE

SECTION A-A



PLAN VIEW



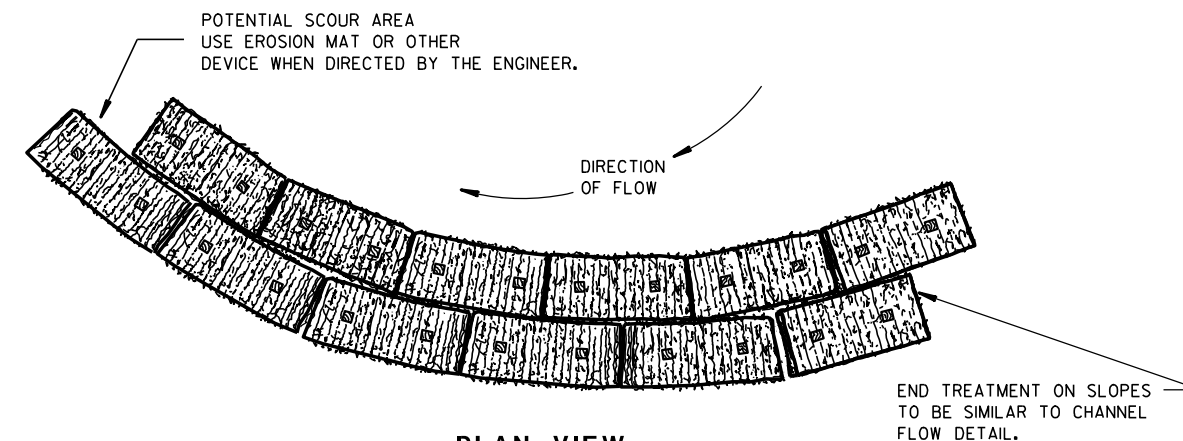
FRONT ELEVATION

TEMPORARY DITCH CHECK USING EROSION BALES ①

GENERAL NOTES

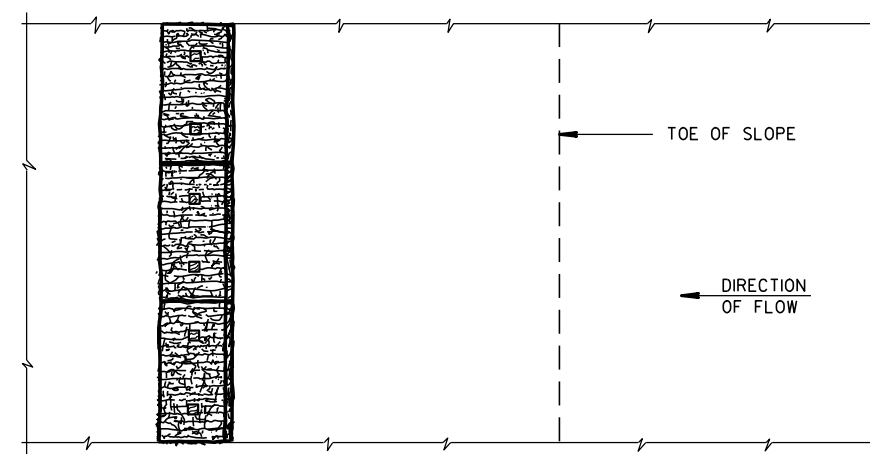
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

- 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.

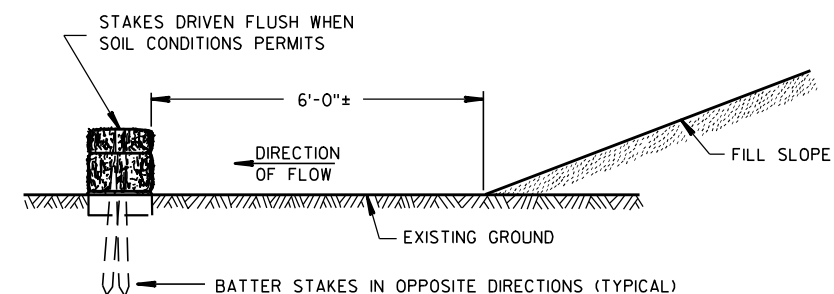


PLAN VIEW

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

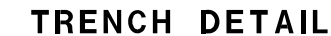
6/04/02
DATE

FHWA

/S/ Beth Canestra
CHIEF ROADWAY DEVELOPMENT ENGINEER



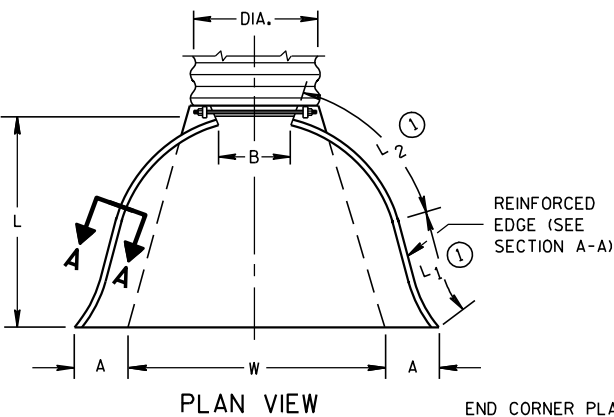
- ① HORIZONTAL BRACE REQUIRED WITH 2" X 4" WOODEN FRAME OR EQUIVALENT AT TOP OF POSTS.
- ② FOR MANUAL INSTALLATIONS THE TRENCH SHALL BE A MINIMUM OF 4" WIDE & 6" DEEP TO BURY AND ANCHOR THE GEOTEXTILE FABRIC. FOLD MATERIAL TO FIT TRENCH AND BACKFILL & COMPACT TRENCH WITH EXCAVATED SOIL.
- ③ WOOD POSTS SHALL BE A MINIMUM SIZE OF 1½" X 1½" 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.



SILT FENCE	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED <u>4-29-05</u> DATE	<u>/S/ Beth Cannestra</u> CHIEF ROADWAY DEVELOPMENT ENGINEER

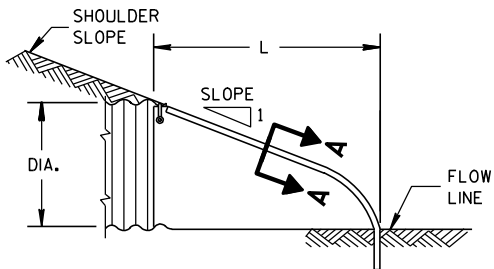
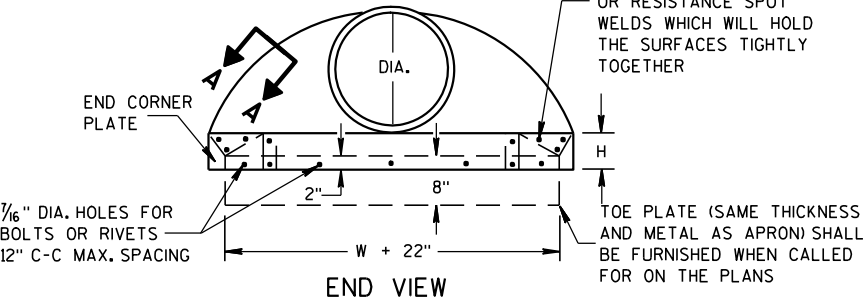
METAL APRON ENDWALLS												
PIPE DIA. (IN.)	MIN. THICK. (Inches)		DIMENSIONS (Inches)							APPROX. SLOPE		BODY
	STEEL	ALUM.	A (±1")	B (MAX.)	H (±1")	L (±1 1/2")	L1 ①	L2 ①	W (±2")			
12	.064	.060	6	6	6	21	12	17 1/2	24	2 1/2 to 1		1 Pc.
15	.064	.060	7	8	6	26	14	21 3/4	30	2 1/2 to 1		1 Pc.
18	.064	.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	.109x	.105x	18	33	12	87	—	—	114	2 to 1		3 Pc.
66	.109x	.105x	18	36	12	87	—	—	120	2 to 1		3 Pc.
72	.109x	.105x	18	39	12	87	—	—	126	2 to 1		3 Pc.
78	.109x	.105x	18	42	12	87	—	—	132	1 1/2 to 1		3 Pc.
84	.109x	.105x	18	45	12	87	—	—	138	1 1/2 to 1		3 Pc.
90	.109x	.105x	18	37	12	87	—	—	144	1 1/2 to 1		3 Pc.
96	.109x	.105x	18	35	12	87	—	—	150	1 1/2 to 1		3 Pc.

* EXCEPT CENTER PANEL
SEE GENERAL NOTES



END CORNER PLATES MAY BE FASTENED TO APRON PROPER BY BOLTS, RIVETS, OR RESISTANCE SPOT WELDS WHICH WILL HOLD THE SURFACES TIGHTLY TOGETHER

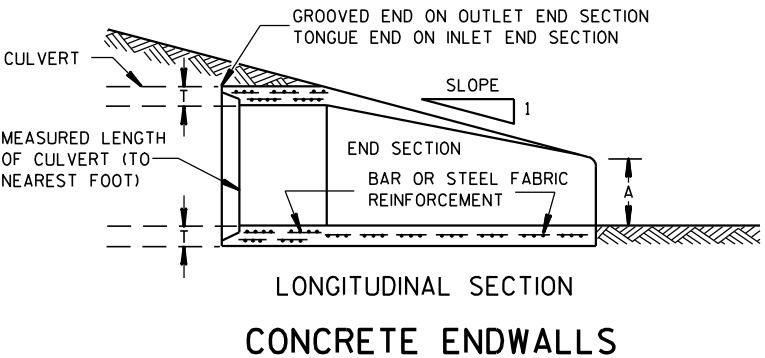
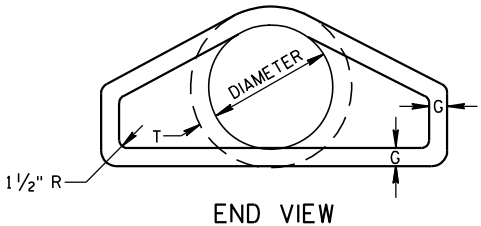
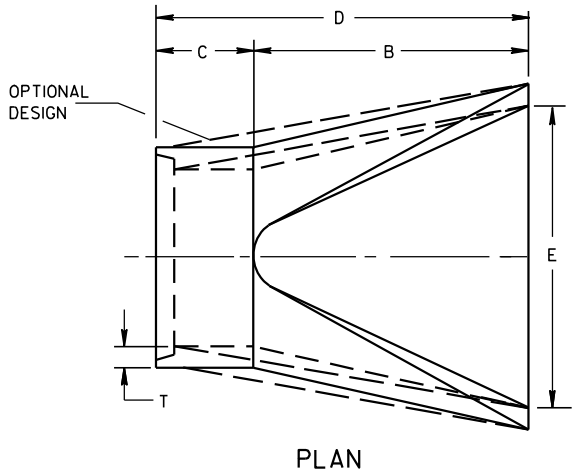
TOE PLATE (SAME THICKNESS AND METAL AS APRON) SHALL BE FURNISHED WHEN CALLED FOR ON THE PLANS



SIDE ELEVATION
METAL ENDWALLS

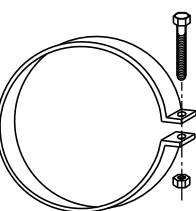
REINFORCED CONCRETE APRON ENDWALLS												
PIPE DIA. (IN.)	DIMENSIONS (Inches)							APPROX. SLOPE				
	T	A	B	C	D	E	G					
12	2	4	24	48 7/8	72 7/8	24	2	3 to 1				
15	2 1/4	6	27	46	73	30	2 1/4	3 to 1				
18	2 1/2	9	27	46	73	36	2 1/2	3 to 1				
21	2 3/4	9	36	37 1/2	73 1/2	42	2 3/4	3 to 1				
24	3	9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

* MINIMUM
** MAXIMUM

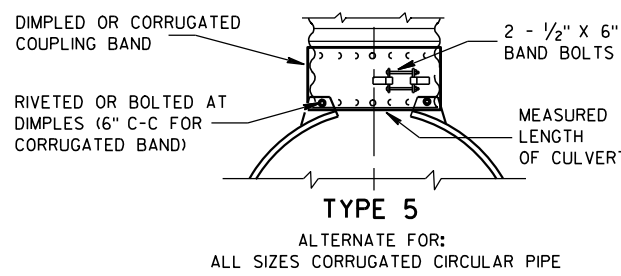
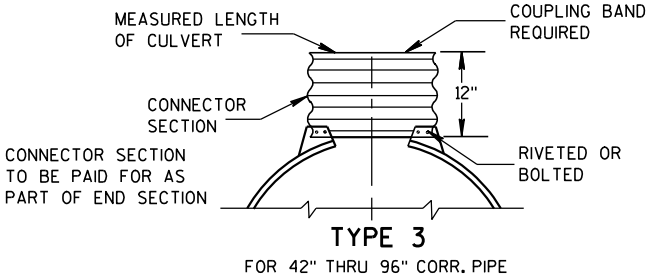
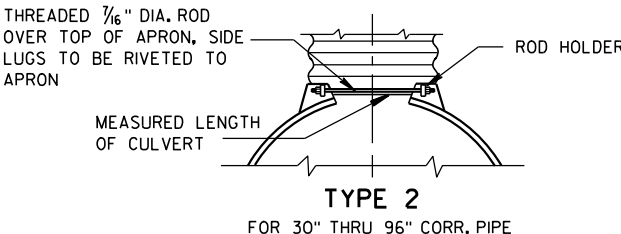
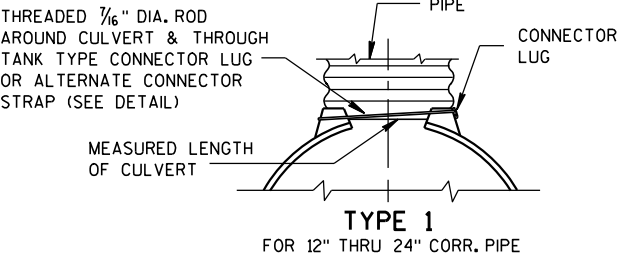


LONGITUDINAL SECTION
CONCRETE ENDWALLS

1" WIDE, 12 GA. (0.109" THICK) GALVANIZED STRAP WITH STANDARD 6" X 1/2" BAND BOLT AND NUT



ALTERNATE FOR TYPE 1 CONNECTION
END SECTION CONNECTOR STRAP



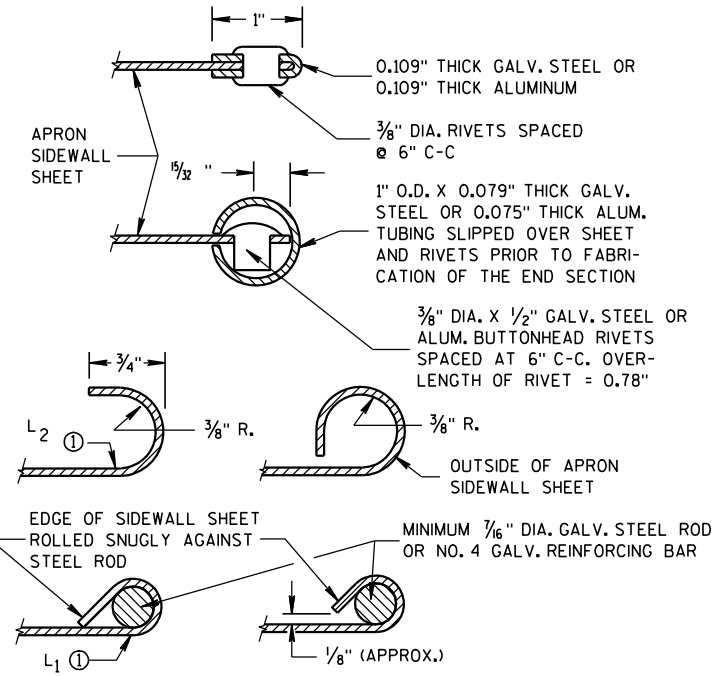
NOTE: DIMPLED BAND FITS OVER OUTSIDE OF ENDWALL, AND CORRUGATED BAND FITS INSIDE ENDWALL. DIMPLED BAND MAY BE USED WITH HELICALLY CORRUGATED PIPE.

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.

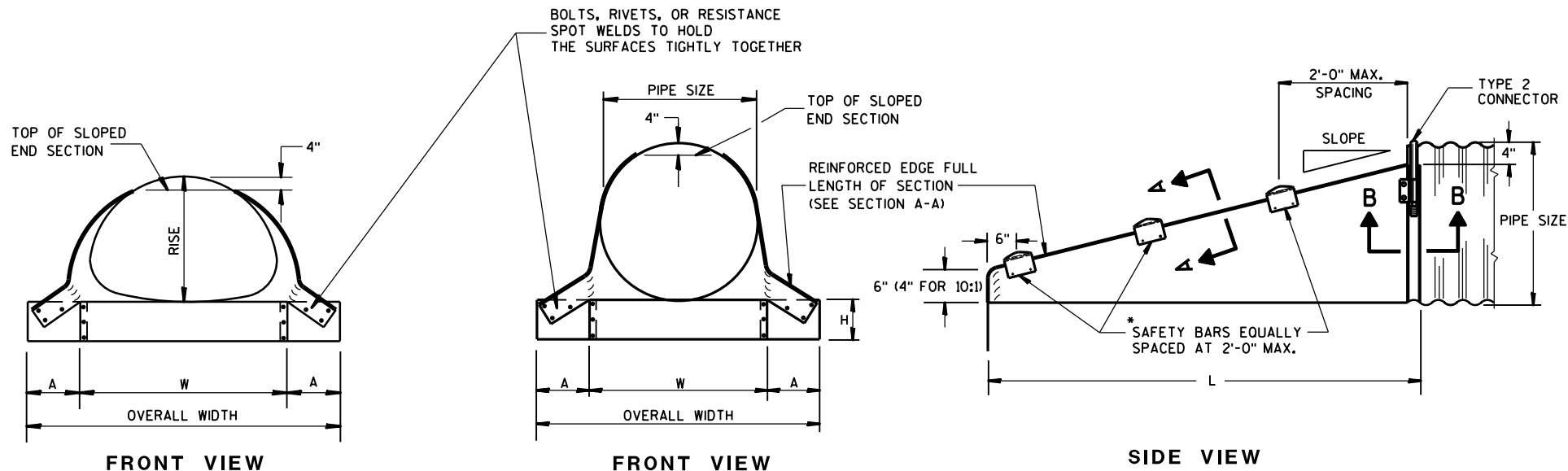
WHERE TWO OR MORE PIPES WITH APRON ENDWALLS ARE LAID ADJACENT TO EACH OTHER, THEY SHALL BE SEPARATED BY A DISTANCE SUFFICIENT TO PROVIDE A MINIMUM CLEARANCE OF 6 INCHES BETWEEN APRON ENDWALLS.

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



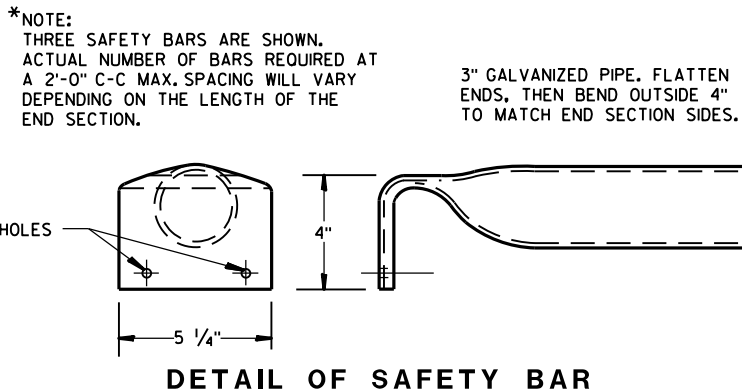
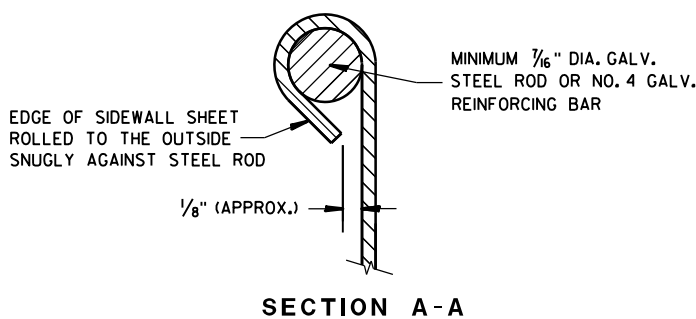
GENERAL NOTES

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.

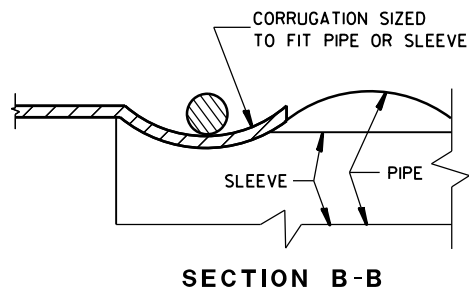
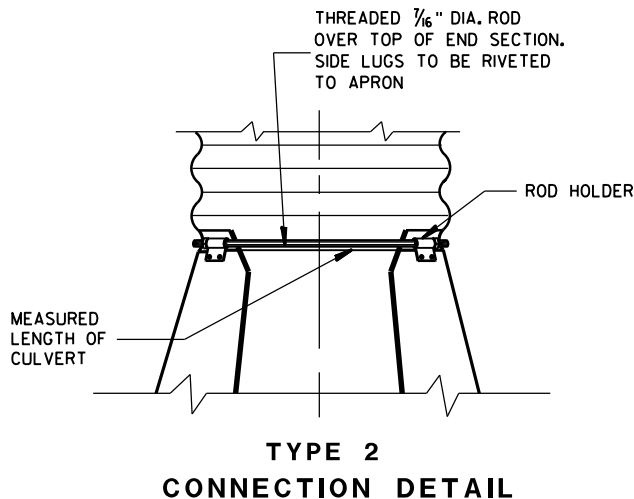
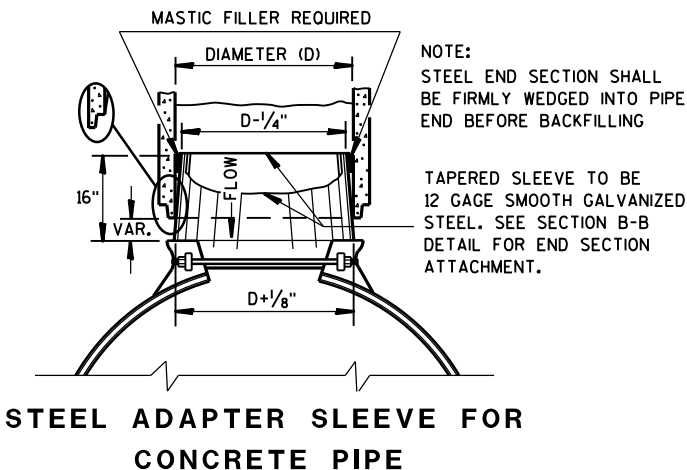
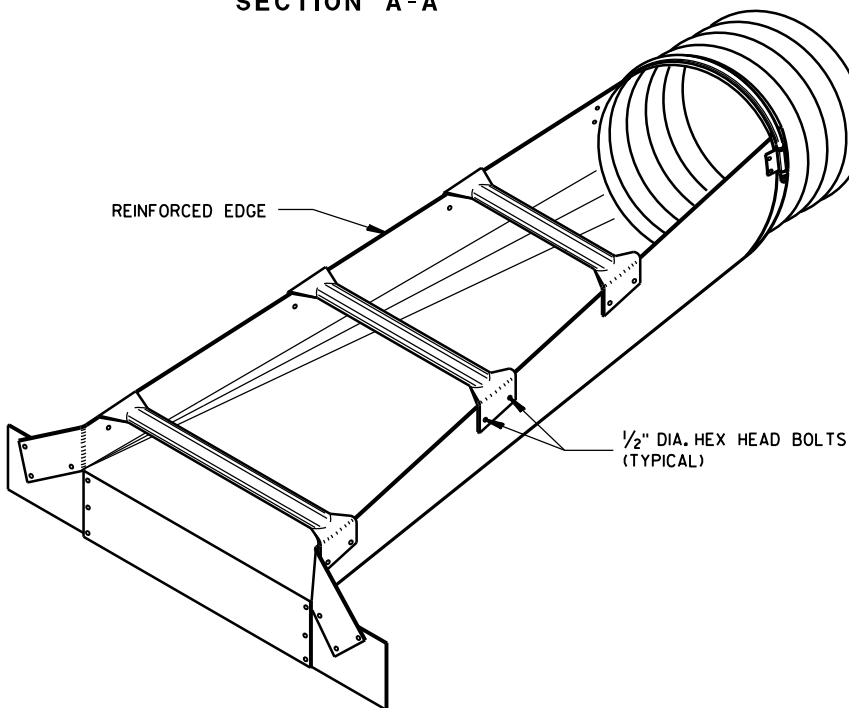
STEEL APRON ENDWALLS FOR CULVERT PIPE SLOPED SIDE DRAINS											
PIPE DIA. (IN.)	MIN. THICK. (Inches)	DIMENSIONS (Inches)				L DIMENSIONS					
		A	H	W	OVERALL WIDTH	SLOPE	LENGTH INCHES	SLOPE	LENGTH INCHES	SLOPE	LENGTH INCHES
15	.064	8	6	21	37	4:1	20	6:1	30	10:1	70
18	.064	8	6	24	40	4:1	32	6:1	48	10:1	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	—	—



STEEL APRON ENDWALLS FOR PIPE ARCH SLOPED SIDE DRAINS											
EQUIV. DIA. (Inches)	(Inches)		MIN. THICK. (Inches) ①	DIMENSIONS (Inches)				L DIMENSIONS			
	SPAN	RISE		A	H	W	OVERALL WIDTH	SLOPE	LENGTH INCHES	SLOPE	LENGTH INCHES
15	17	13	.064 *	7	6	30	44	4:1	19	6:1	30 10:1 ②
18	21	15	.064 *	8	6	27	43	4:1	20	6:1	30 10:1 ②
21	24	18	.064 *	8	6	30	46	4:1	32	6:1	48 10:1 ②
24	28	20	.064 *	8	6	34	50	4:1	40	6:1	60 10:1 ②
30	35	24	.079 *	12	9	41	65	4:1	56	6:1	84 10:1 ②
36	42	29	.109 *	12	9	48	72	4:1	76	6:1	114 10:1 ②
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".

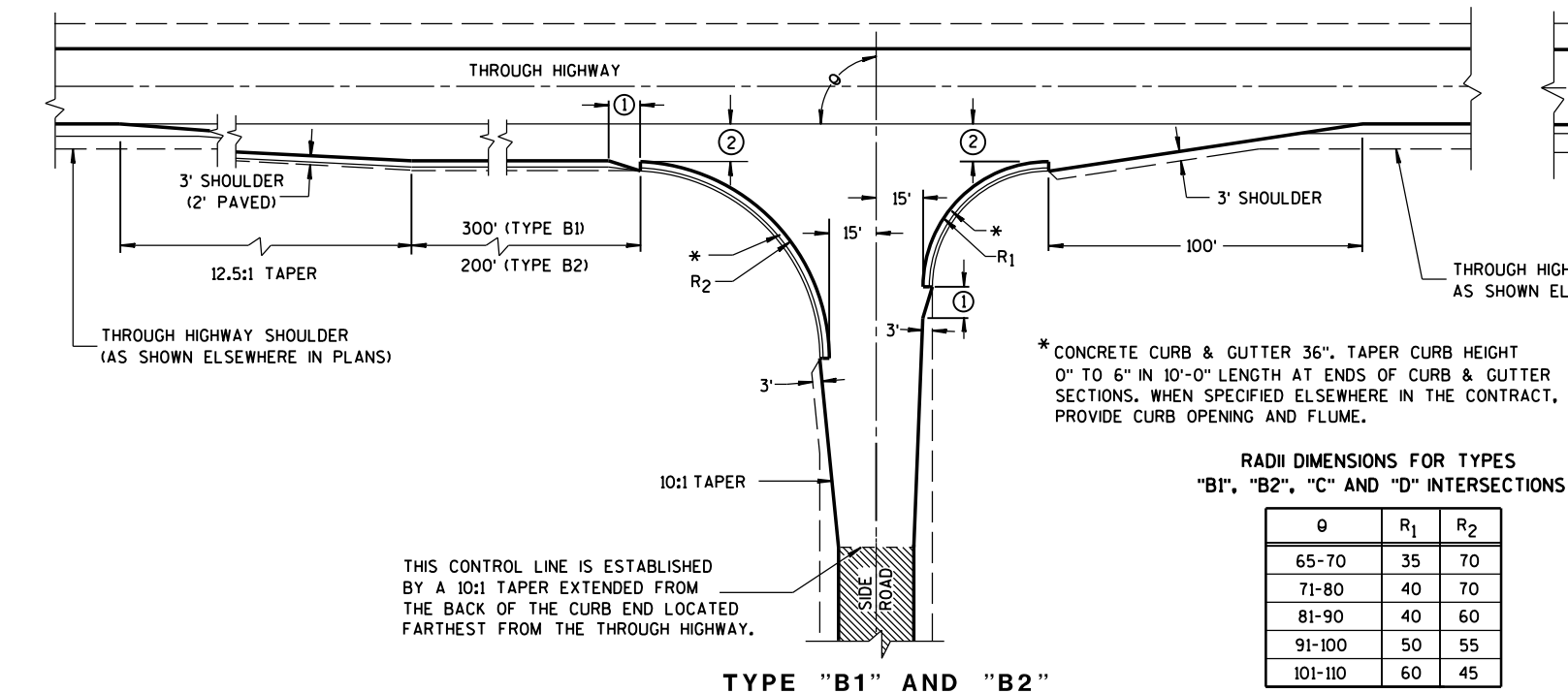
② ACTUAL SLOPE GREATER THAN 10:1.



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. Zogg
ROADWAY STANDARDS DEVELOPMENT
ENGINEER
FHWA



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

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.

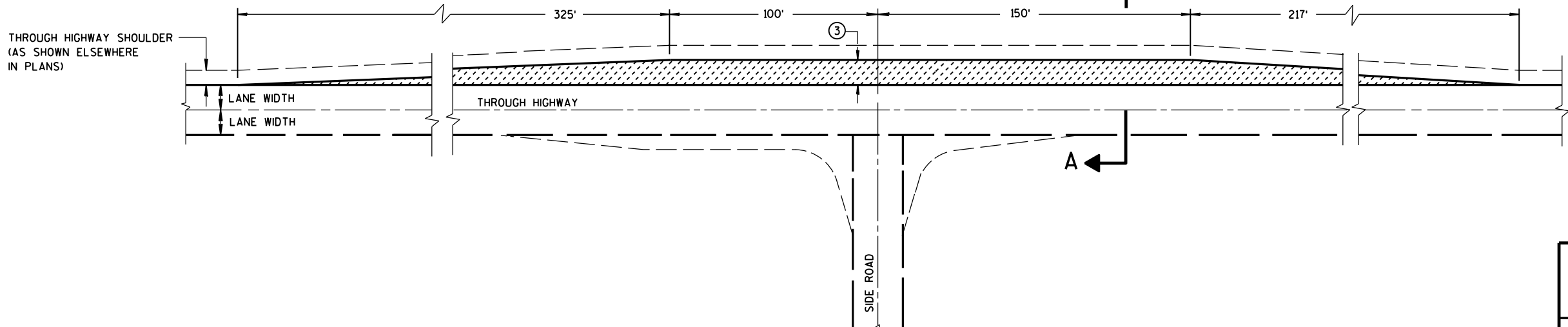
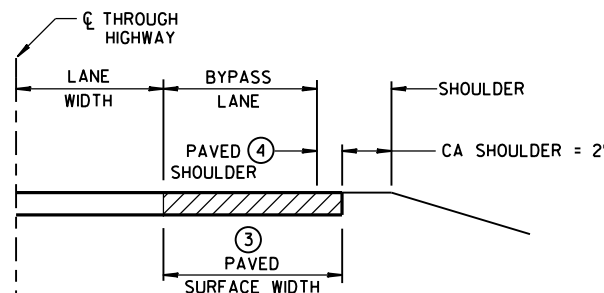
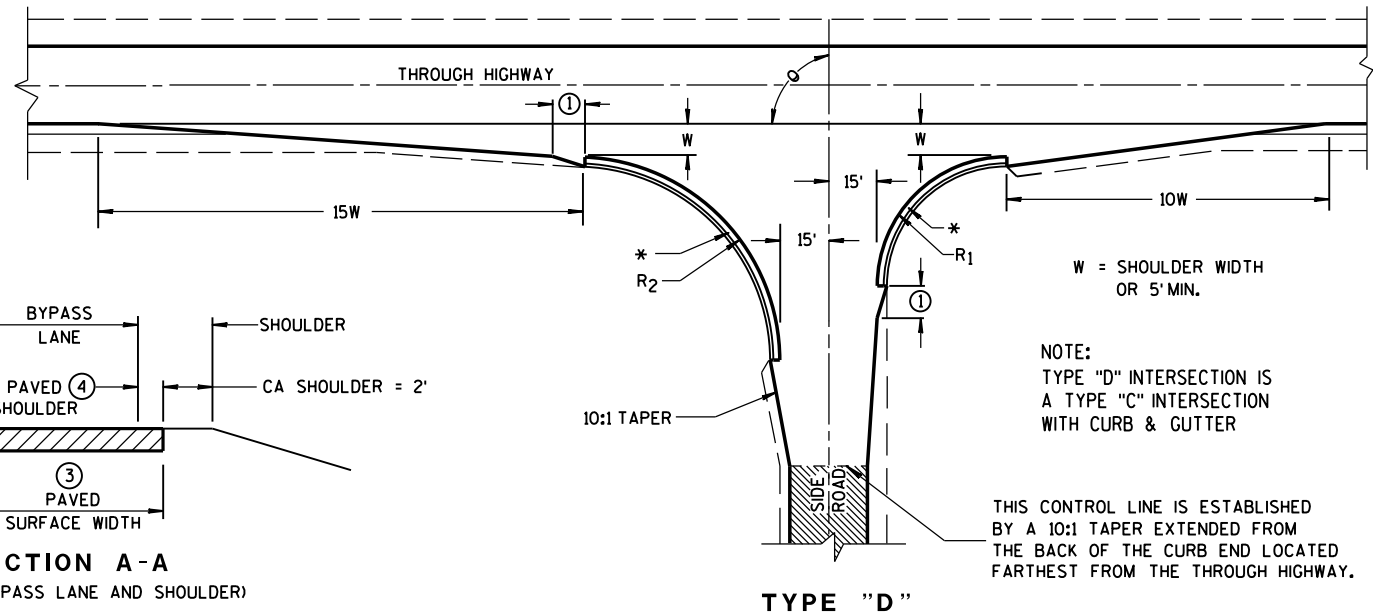
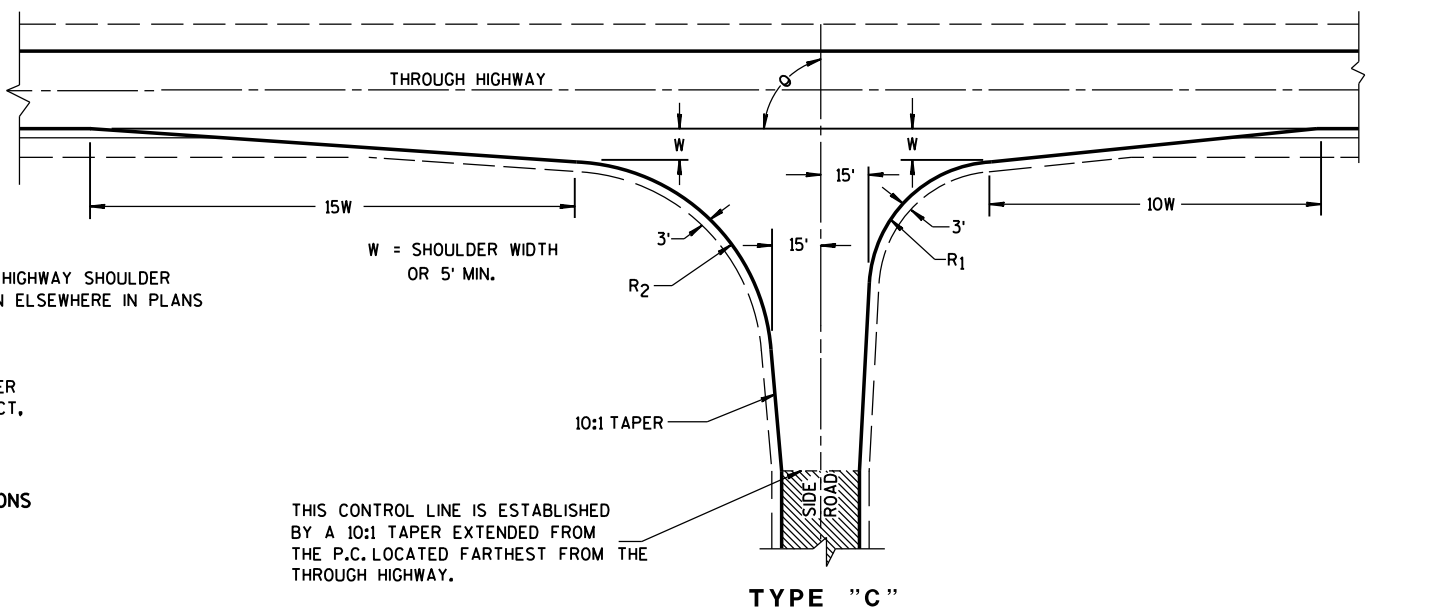
WHEN THE SIDE ROAD IS PRESENTLY PAVED, NEW PAVEMENT SHALL BE PLACED TO THE LIMITS OF DESIGN AS SHOWN AND BEYOND, IF NECESSARY, TO MEET EXISTING PAVEMENT.

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

EXISTING PAVED SURFACE

BYPASS LANE

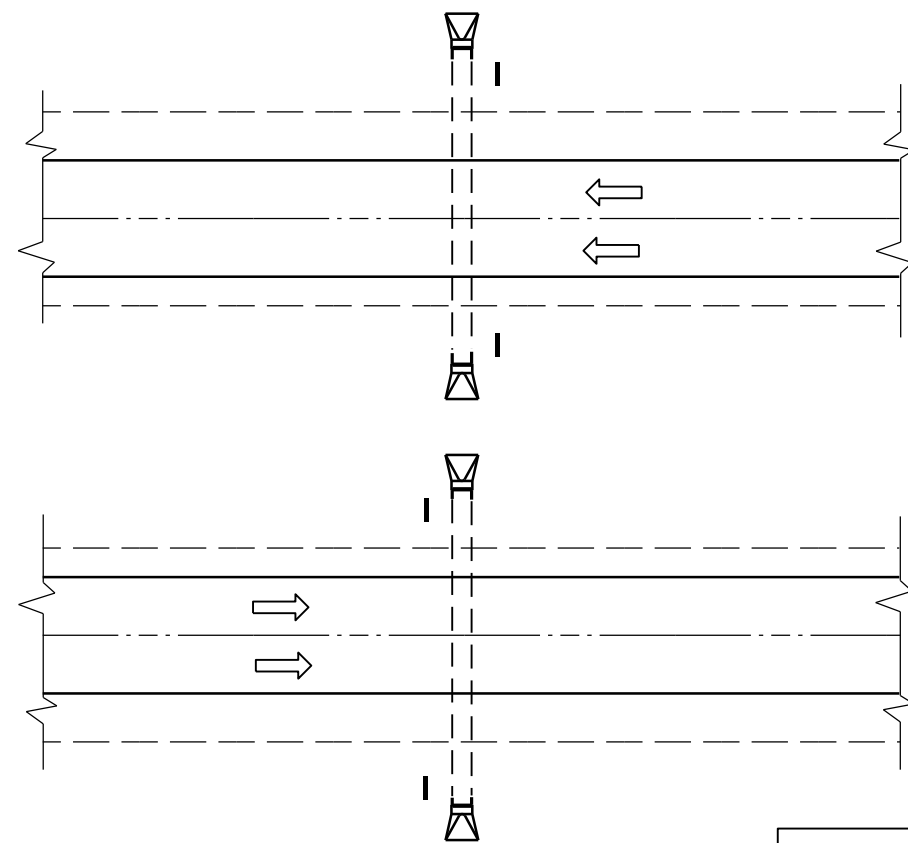
- ① 10-FT TYPICAL.
- ② 12-FT** PLUS ADDITIONAL WIDTH FOR BIKE LANE IF SHOWN ELSEWHERE IN THE PLAN.
**10-FT MAY BE USED ON TYPE B2 ON RESURFACING PROJECTS IF SPECIFIED IN THE CONTRACT.
- ③ BYPASS LANE PAVED SURFACE WIDTH OUTSIDE OF TRAVEL LANE
-ASPHALT = 12-FT PLUS PAVED SHOULDER WIDTH.
-PC CPNCRETE = 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.



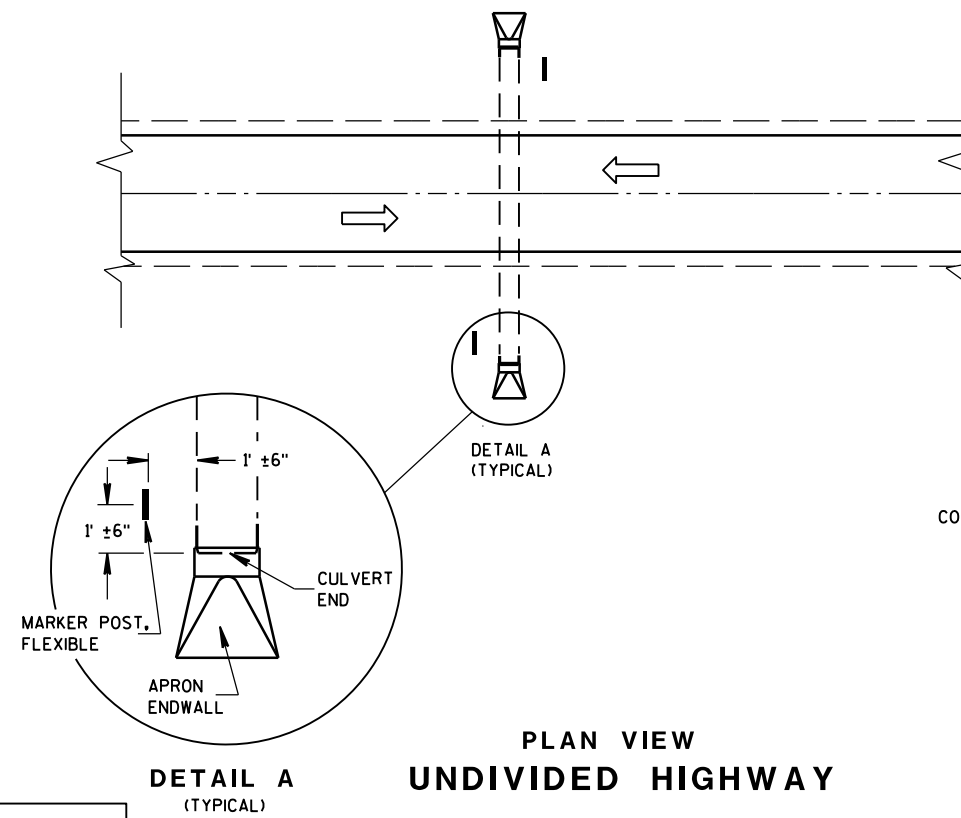
TEE INTERSECTION BYPASS LANE DETAIL

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

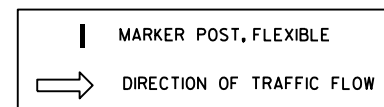
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION



PLAN VIEW
DIVIDED HIGHWAY



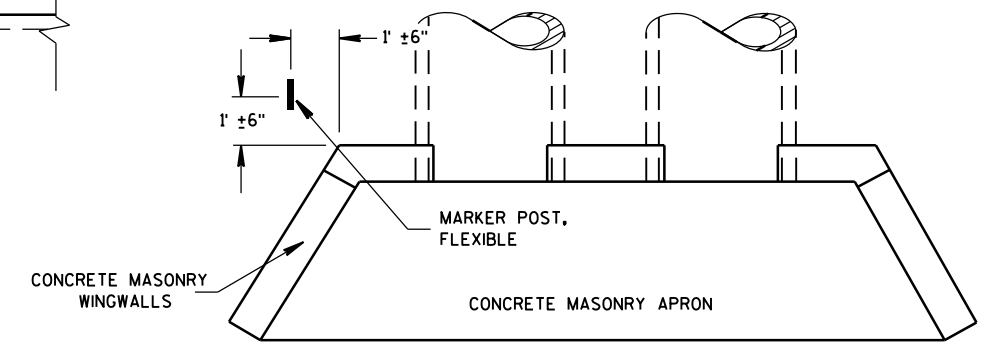
PLAN VIEW
UNDIVIDED HIGHWAY



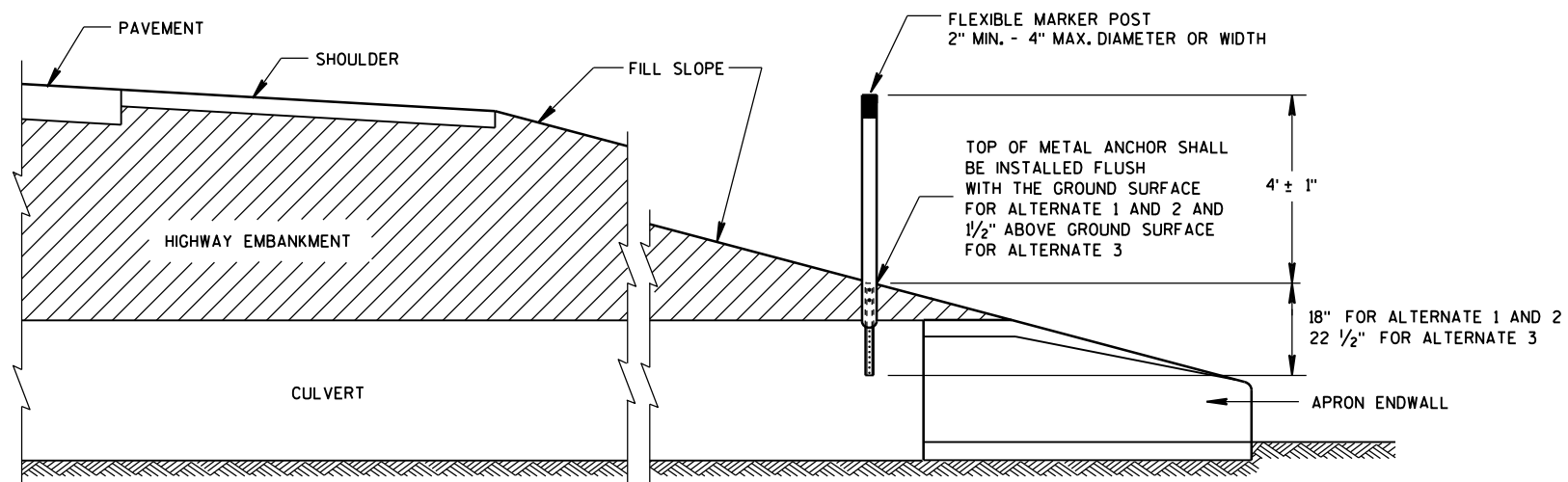
FLEXIBLE MARKER POST LOCATION

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.



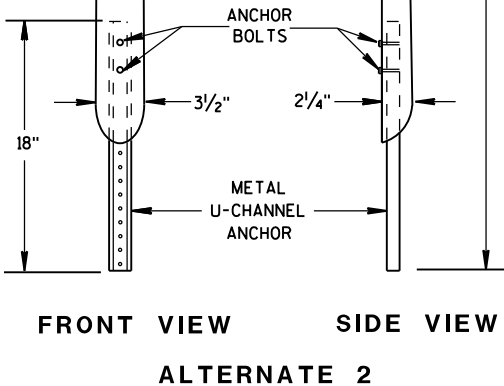
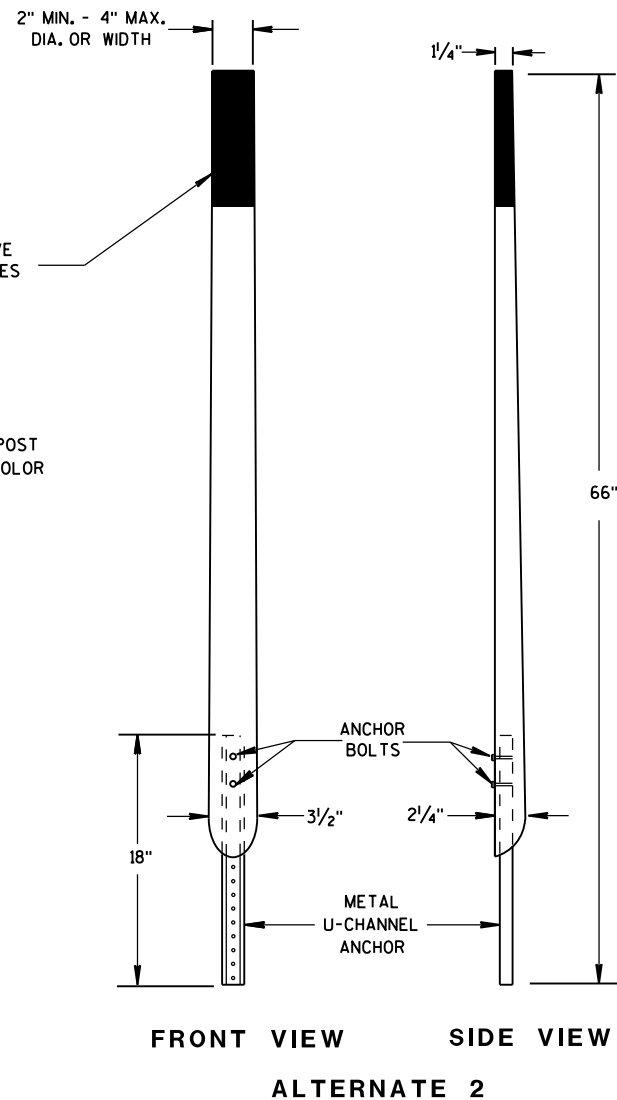
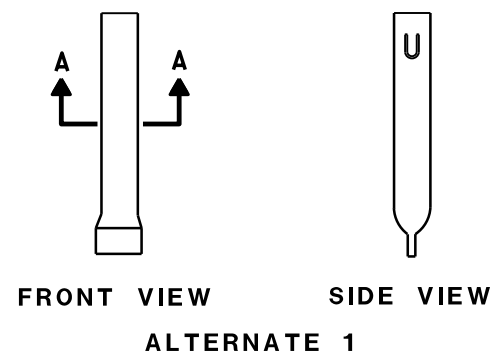
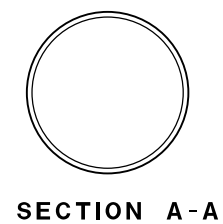
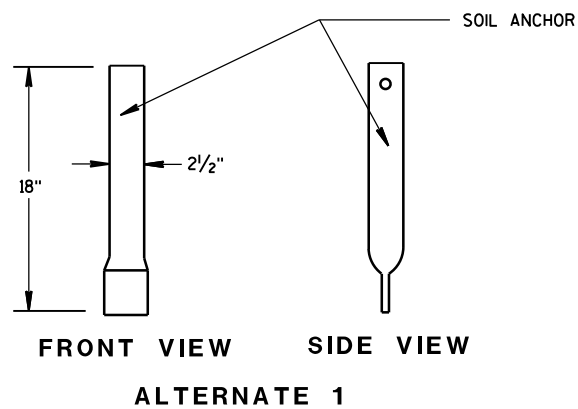
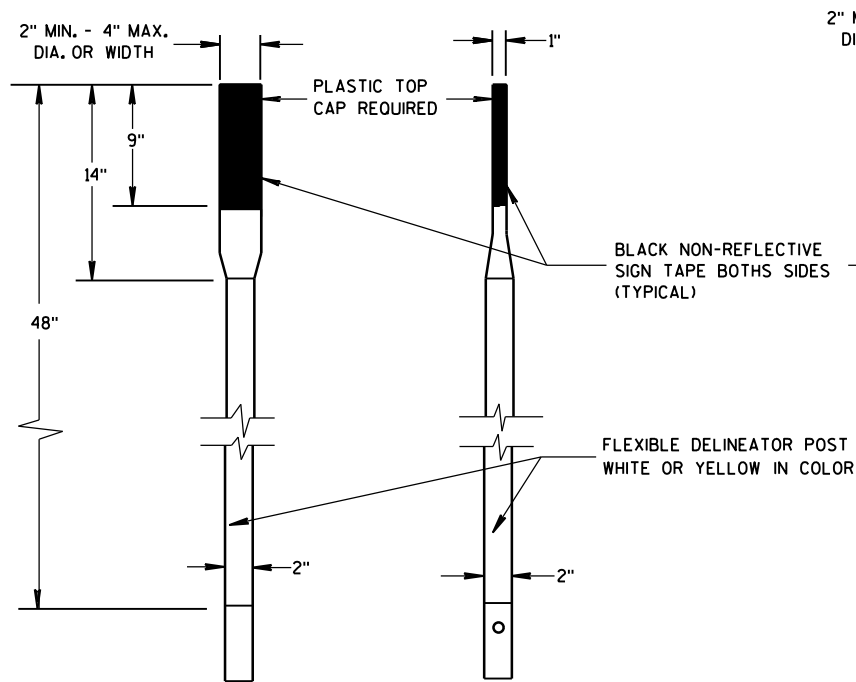
PLAN VIEW
CONCRETE MASONRY ENDWALLS FOR
CULVERT PIPE AND PIPE ARCH



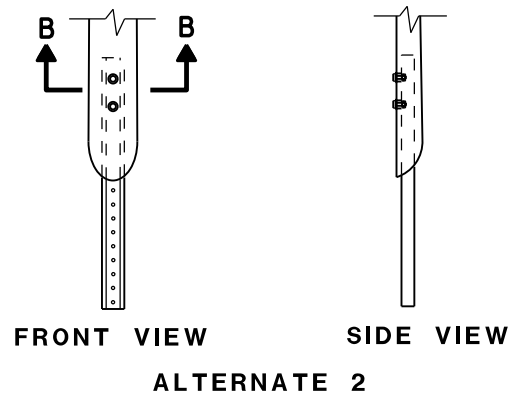
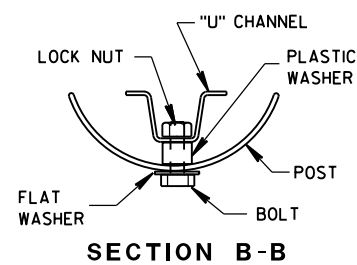
CROSS SECTION
FLEXIBLE MARKER POST

FLEXIBLE MARKER POST
FOR CULVERT END

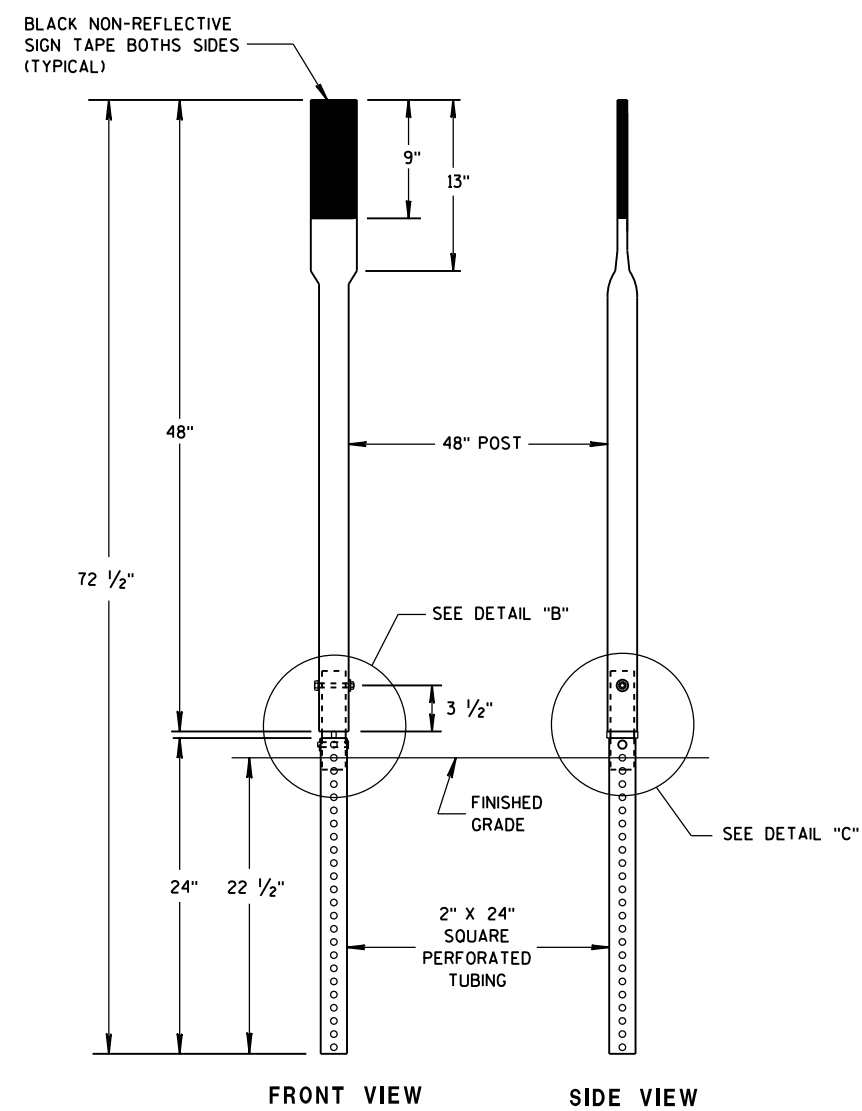
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION



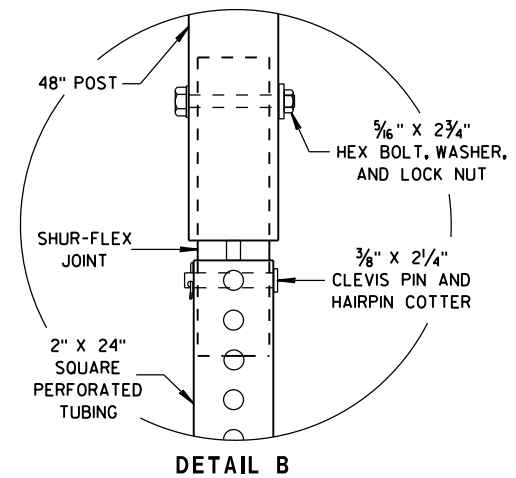
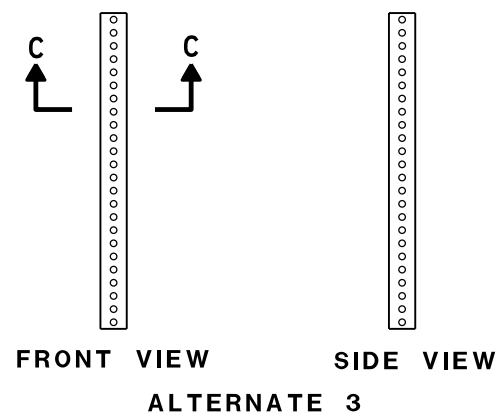
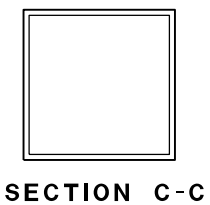
FLEXIBLE MARKER POSTS



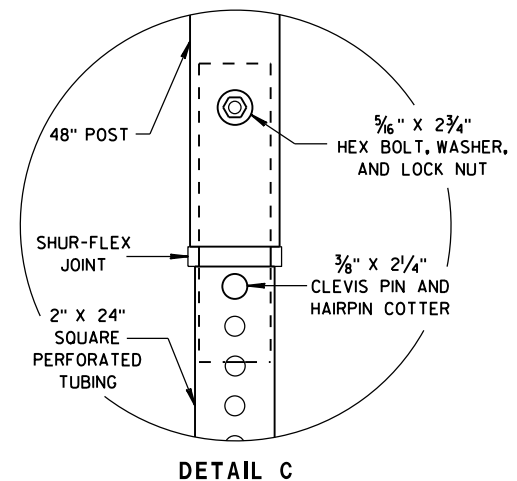
FLEXIBLE MARKER POST ANCHORS



FRONT VIEW SIDE VIEW
ALTERNATE 3



DETAIL B



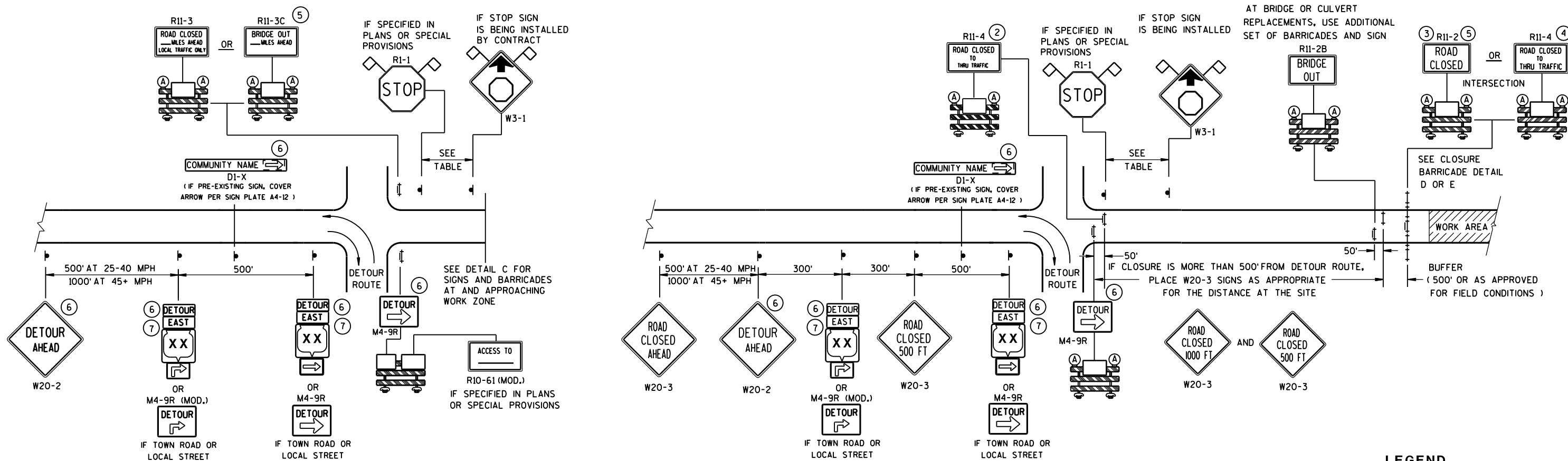
DETAIL C

FLEXIBLE MARKER POST FOR CULVERT END

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
10/1/2012
DATE
FHWA

/S/ Travis Feltes
STATE TRAFFIC ENGINEER OF DESIGN



DETAIL A
MAINLINE CLOSURE WITH POSTED DETOUR

WORK ZONE GREATER THAN 1/2 MILE FROM DETOUR ROUTE (1000 FEET IF URBAN)

DETAIL B
MAINLINE CLOSURE WITH POSTED DETOUR

WORK ZONE LESS THAN 1/2 MILE FROM DETOUR ROUTE (1000 FEET IF URBAN)

LEGEND

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

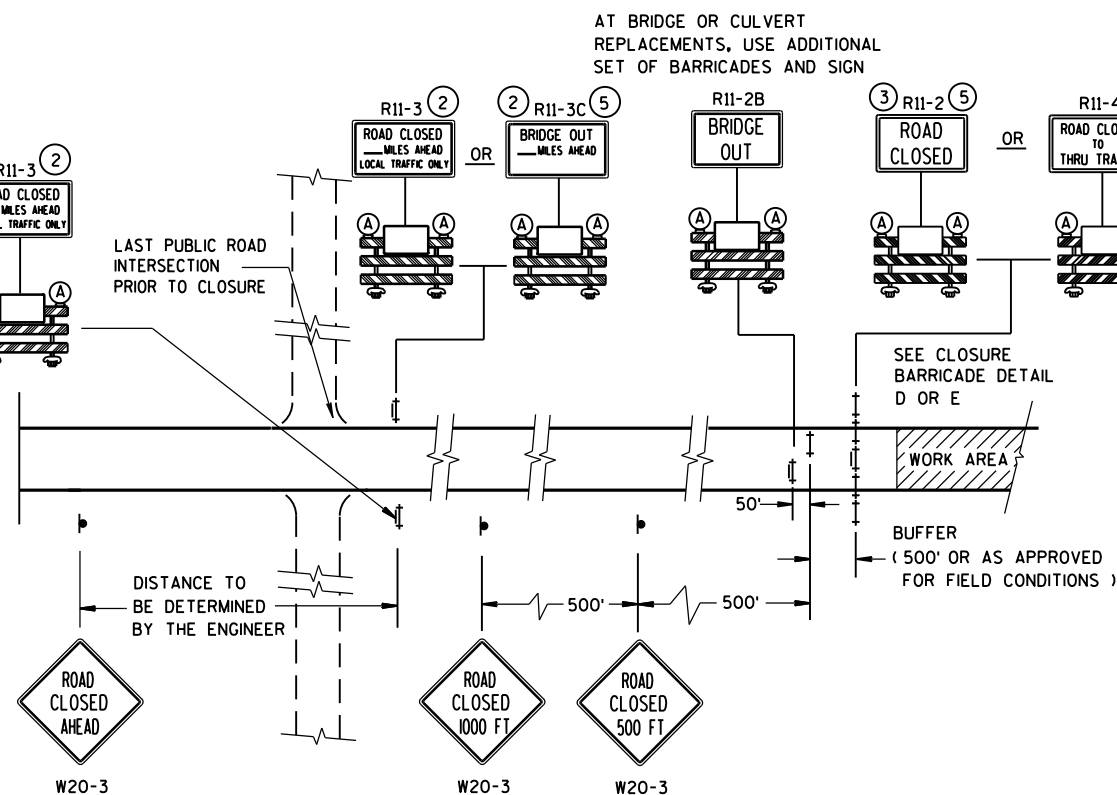
WORK AREA

DETOUR EAST M4-8
M3-X
XX OR COUNTY XX OR XX
M1-4 M1-5A M1-6

M05-1 OR M06-1

FLAGS, 16" X 16" MIN., (ORANGE)

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



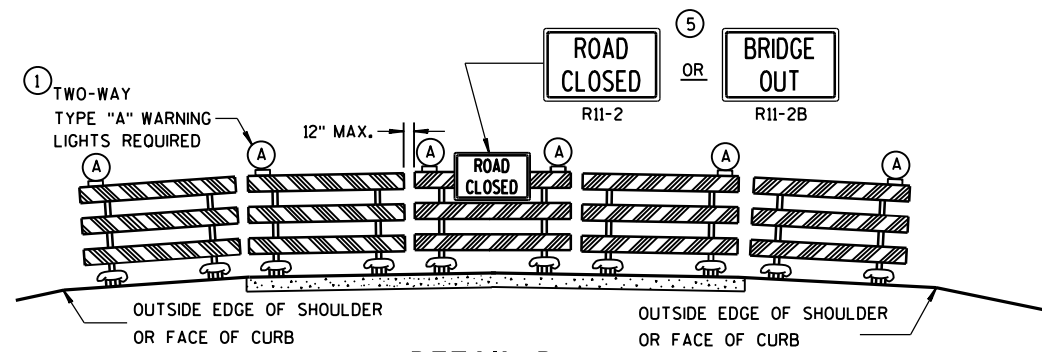
DETAIL C
MAINLINE CLOSURE, NO POSTED DETOUR

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

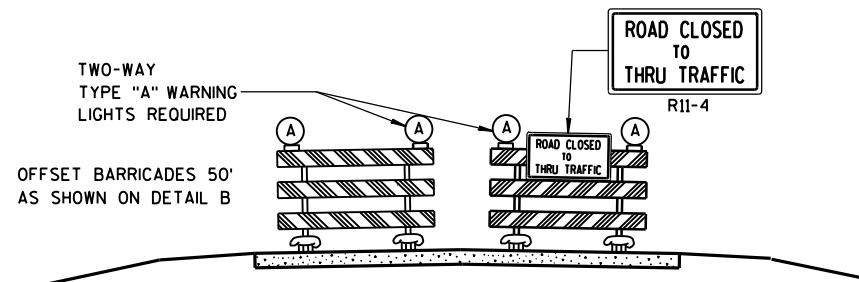
**BARRICADES AND SIGNS
FOR
MAINLINE CLOSURES**

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

8/2013 /S/ Travis Feltes
DATE STATE TRAFFIC ENGINEER OF DESIGN
FHWA



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.

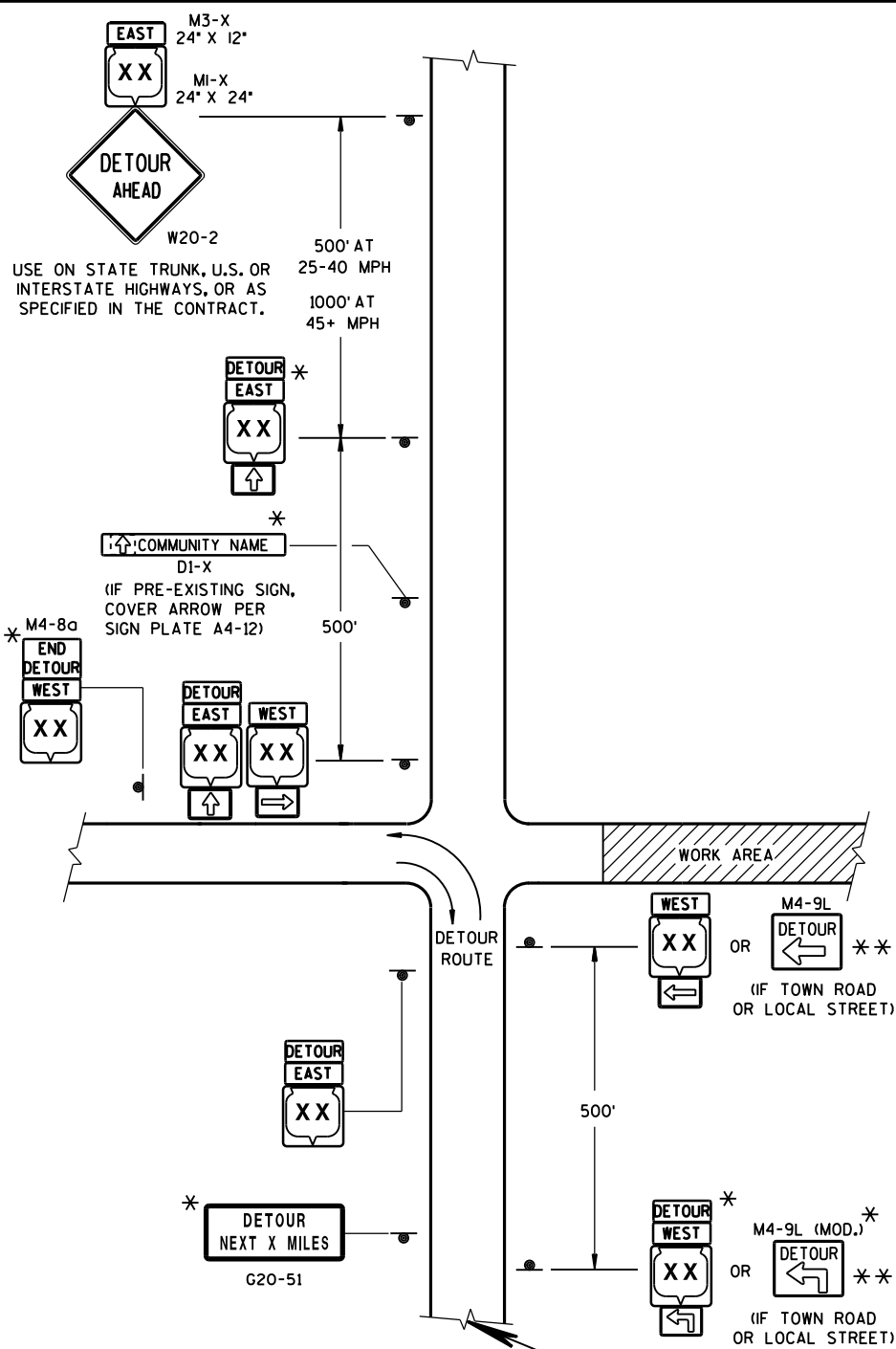
R1-1 SHALL BE 36" X 36".

- 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**

8/2013 /S/ Travis Feltes
DATE STATE TRAFFIC ENGINEER OF DESIGN
FHWA



LEGEND

- SIGN ON PERMANENT SUPPORT
- WORK AREA
- M4-8
- M3-X
- MI-4
- MI-5A
- MI-6
- M05-1
- M06-1
- M06-1

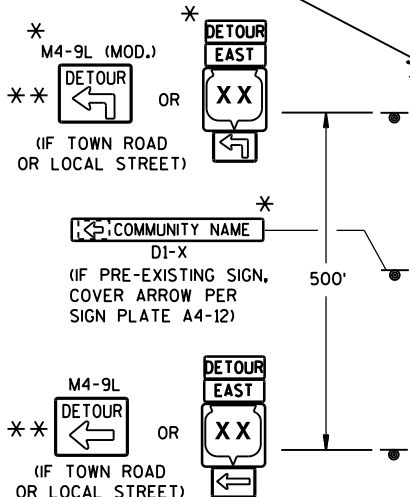
SEE SPECIFIC PROJECT DETOUR
SIGNING DETAIL SHEETS AND
DETAIL A OR B ON SDD 15C2-SHEET "a"

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

DETAIL F
DETOUR SIGNING

USE ON STATE TRUNK, U.S. OR
INTERSTATE HIGHWAYS, OR AS
SPECIFIED IN THE CONTRACT.



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.

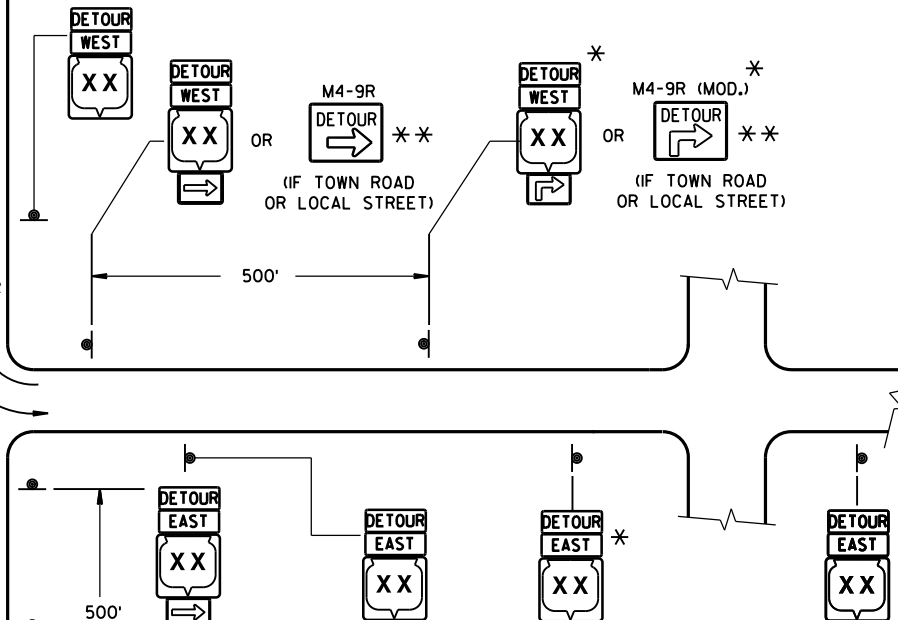
"MO" SIGNS ARE THE SAME AS "M" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

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.)
- M05-1 AND M06-1 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.

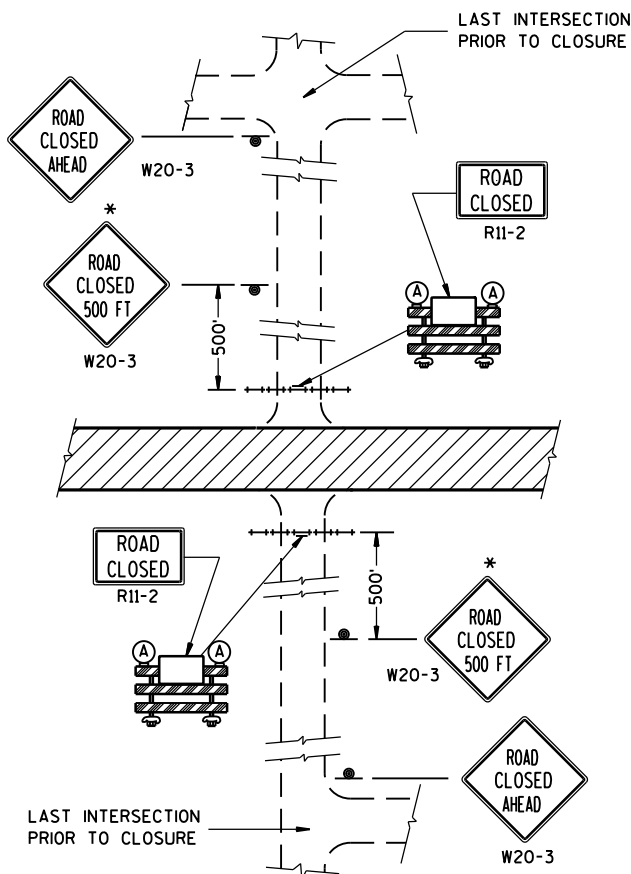


PLACE SIGNS BEYOND INTERSECTIONS WITH
STATE OR COUNTY TRUNK HIGHWAYS OR
AT 4 MILE MAXIMUM SPACING (4 BLOCKS IF
URBAN AREA.)

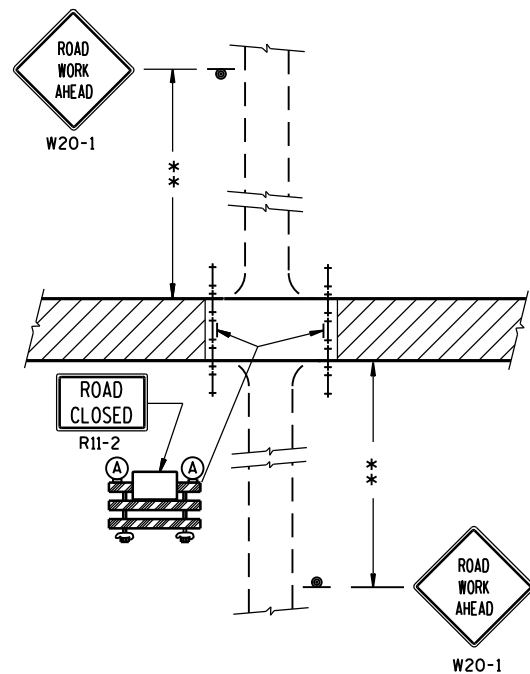
DETOUR SIGNING FOR
MAINLINE CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

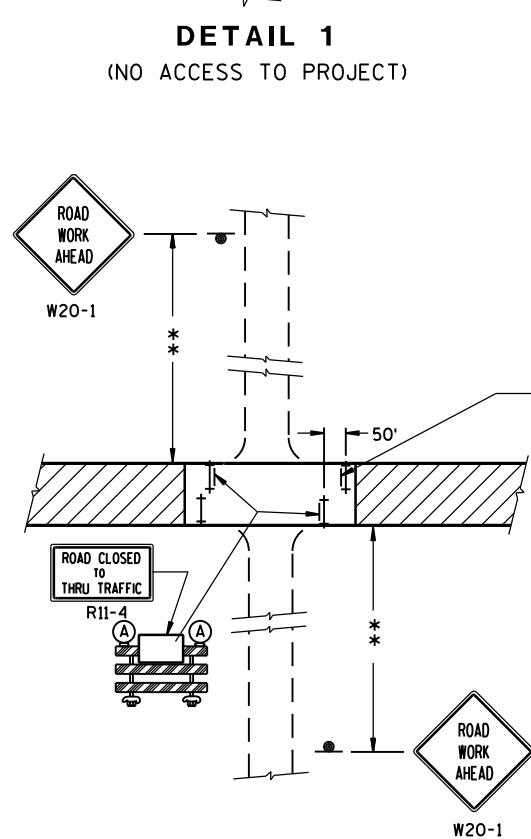
APPROVED
8/2013 /S/ Travis Feltes
DATE STATE TRAFFIC ENGINEER OF DESIGN
FHWA



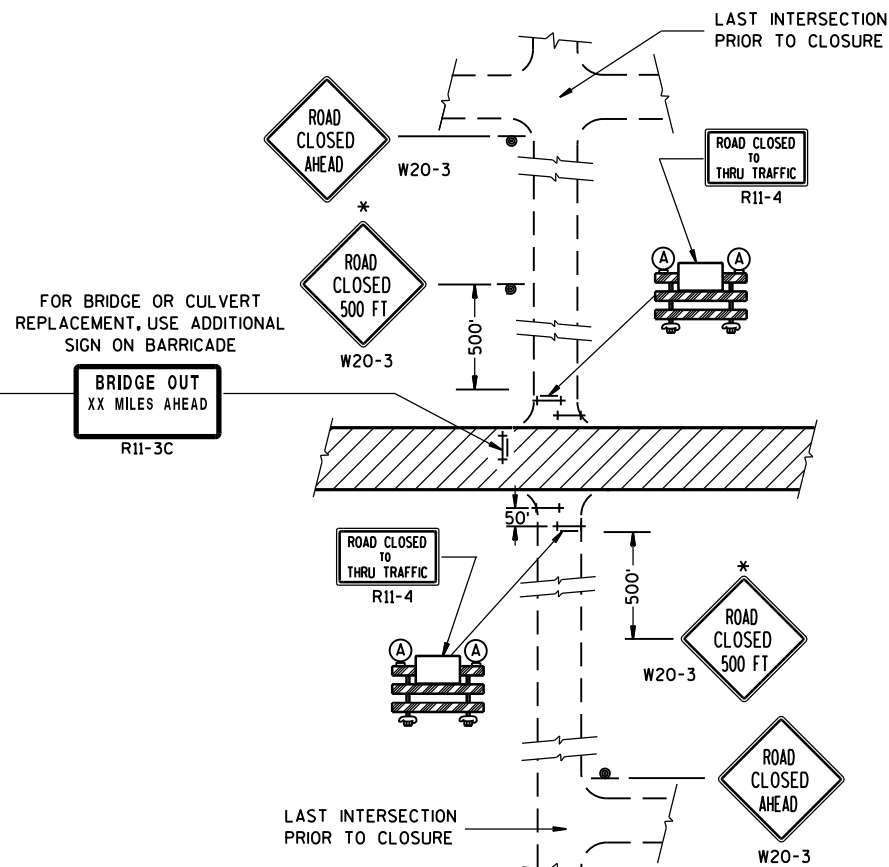
DETAIL 1
(NO ACCESS TO PROJECT)



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

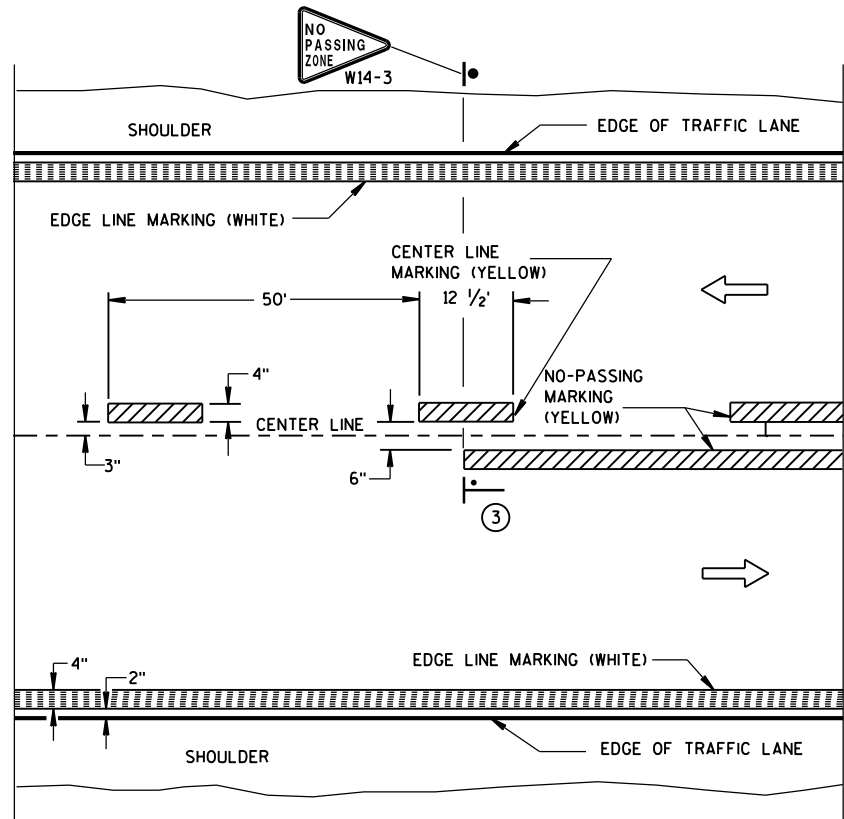
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

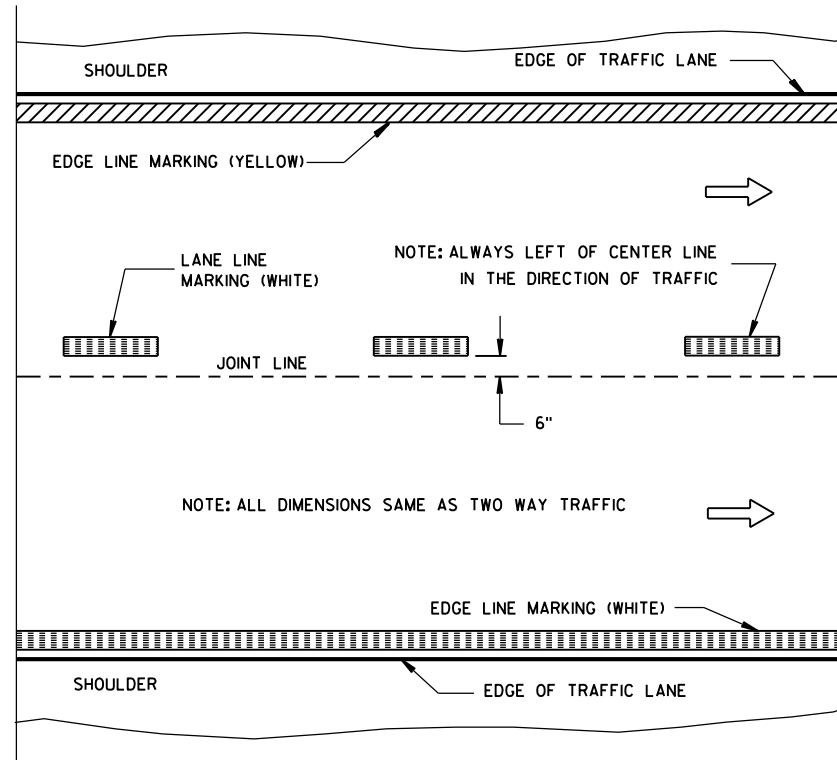
8/2013 /S/ Travis Feltes

DATE STATE TRAFFIC ENGINEER OF DESIGN

FHWA

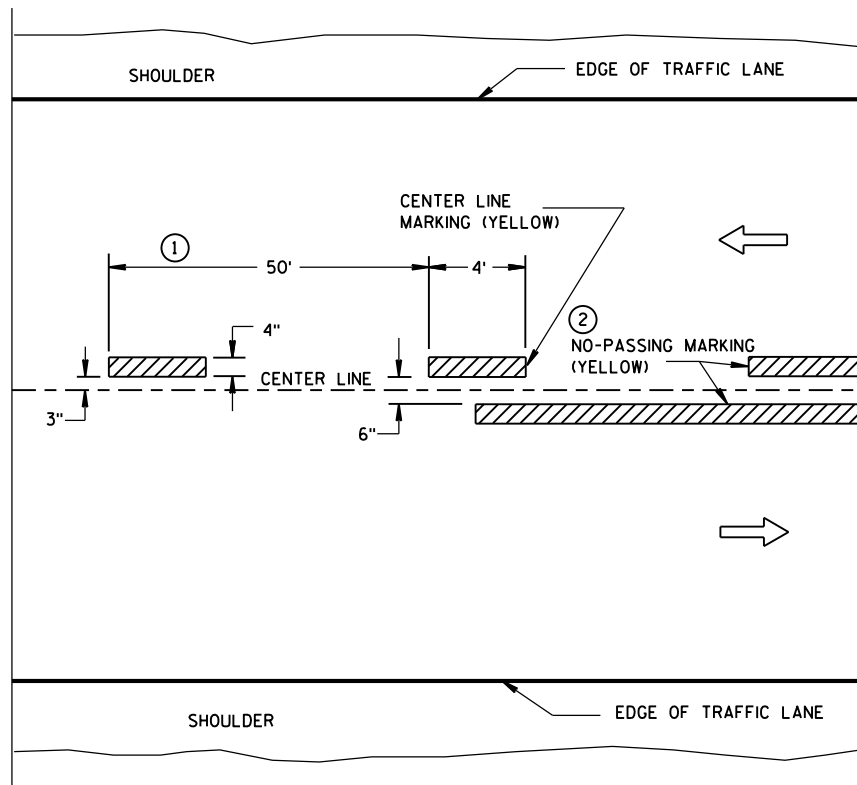


TWO WAY TRAFFIC

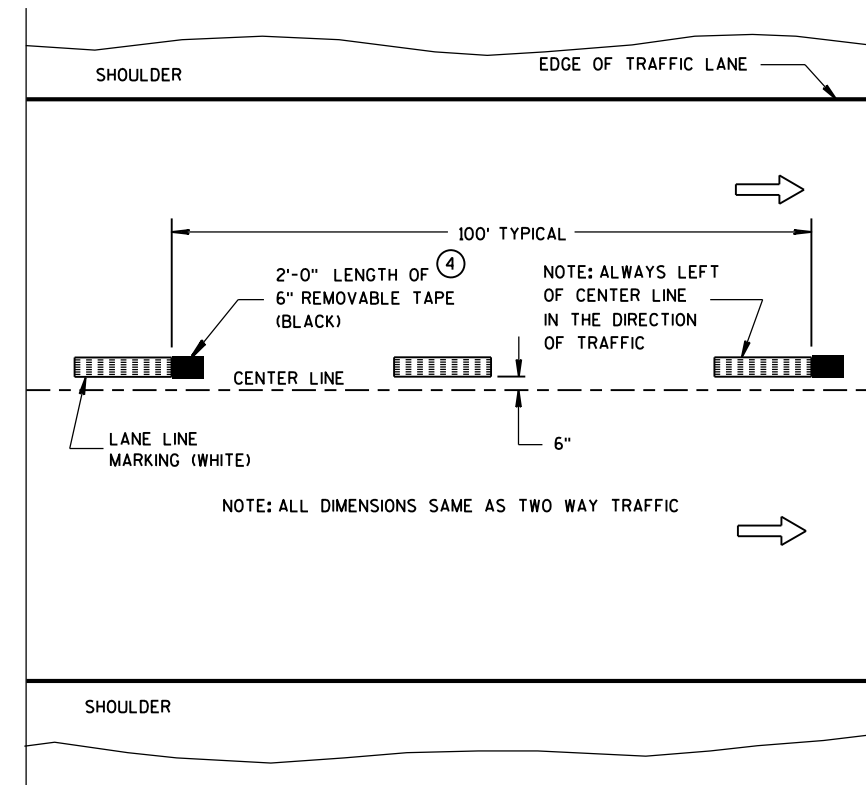


ONE WAY TRAFFIC

PERMANENT PAVEMENT MARKING



TWO WAY TRAFFIC



ONE WAY TRAFFIC

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

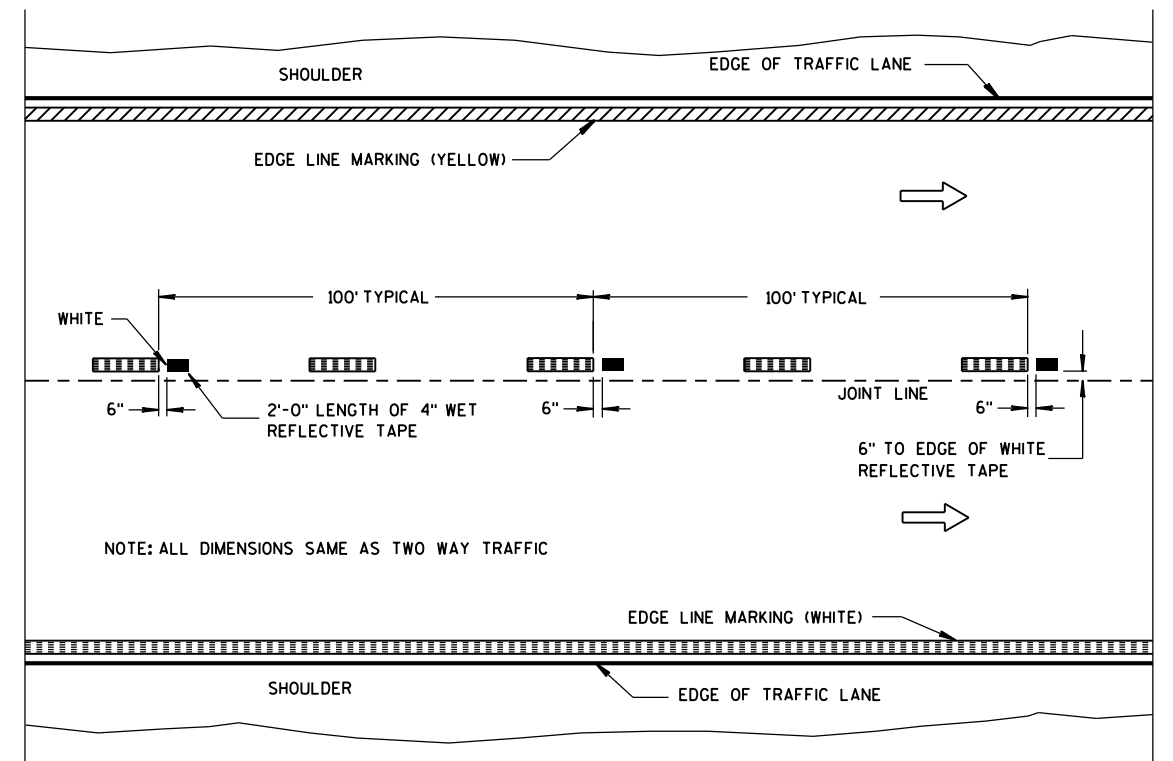
GENERAL NOTES

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

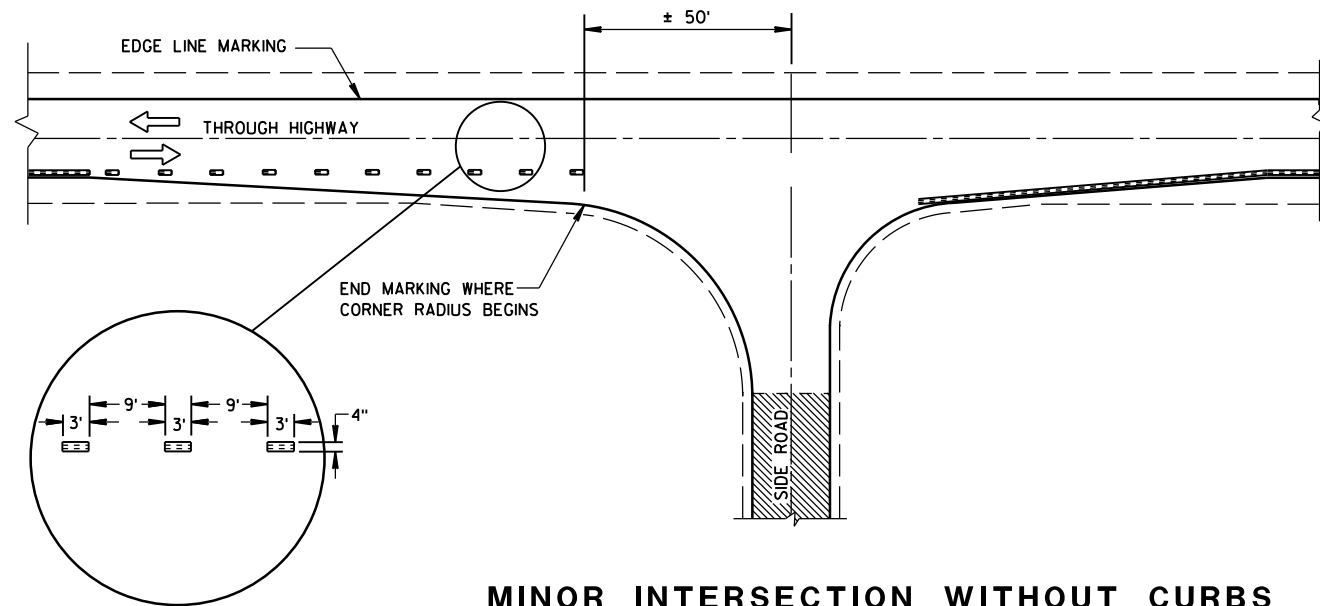
LEGEND

- "T" MARKING
- POST MOUNTED SIGN

PAVEMENT MARKING
(MAINLINE)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

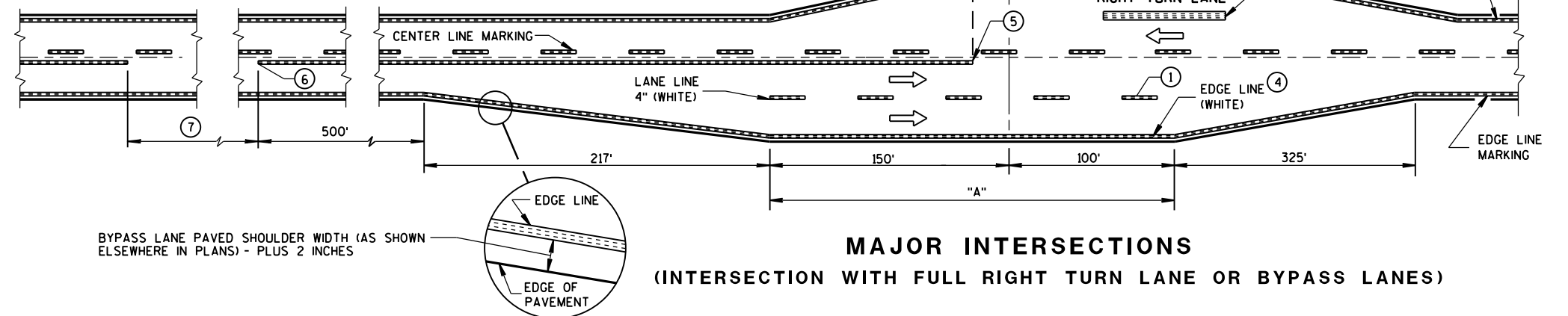
APPROVED
5-13-2013 /S/ Travis Feltes
DATE STATE TRAFFIC ENGINEER
FHWA



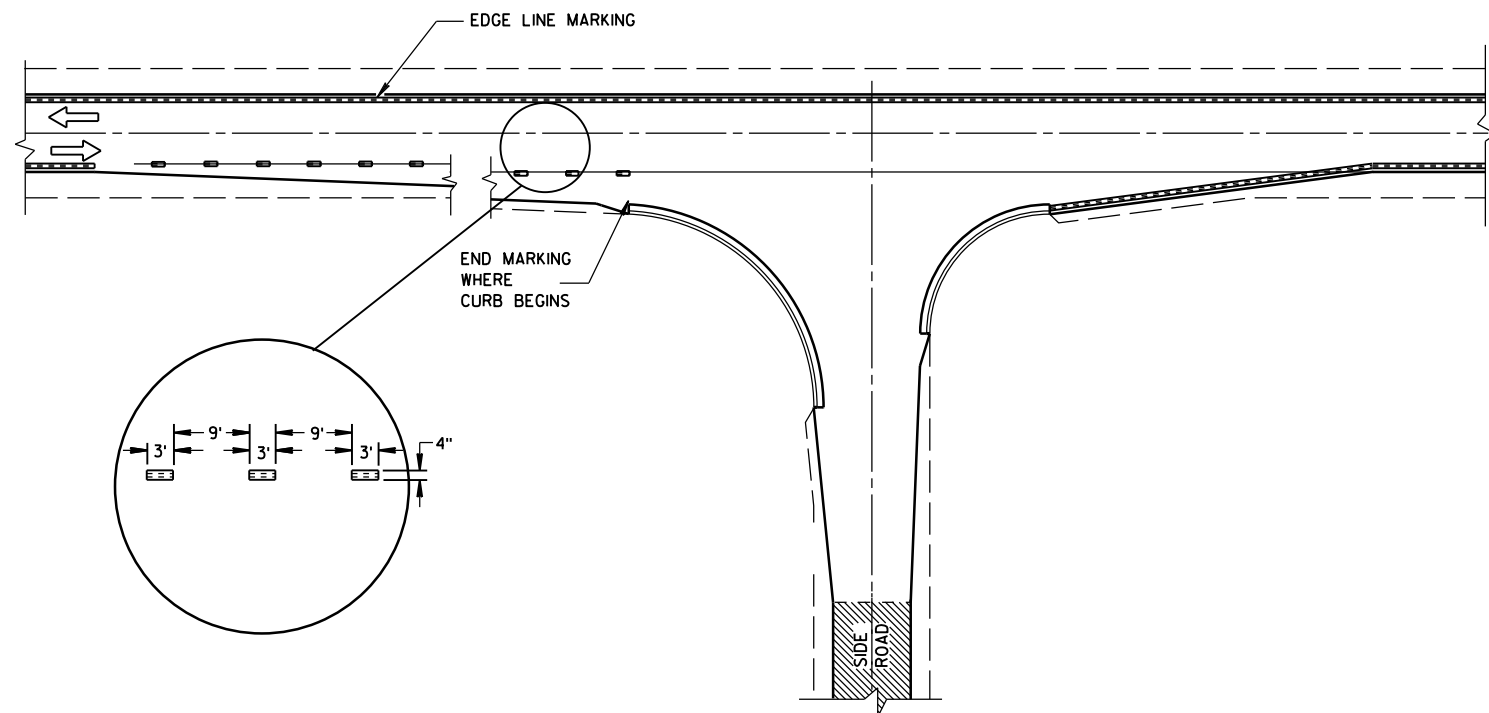
MINOR INTERSECTION WITHOUT CURBS

⑦

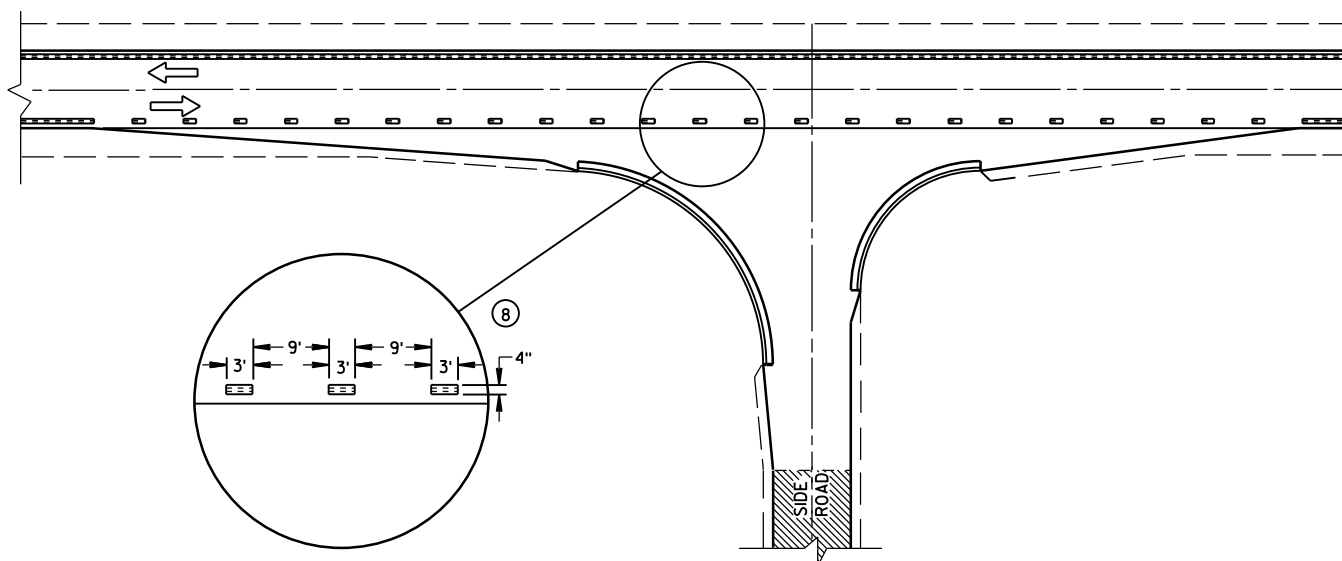
POSTED SPEED (MPH)	MINIMUM DISTANCE BETWEEN ZONES (FEET)
25 - 30	528
35 - 40	528
45 - 50	686
55	792



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)

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

PAVEMENT MARKING
(INTERSECTIONS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

LEGEND

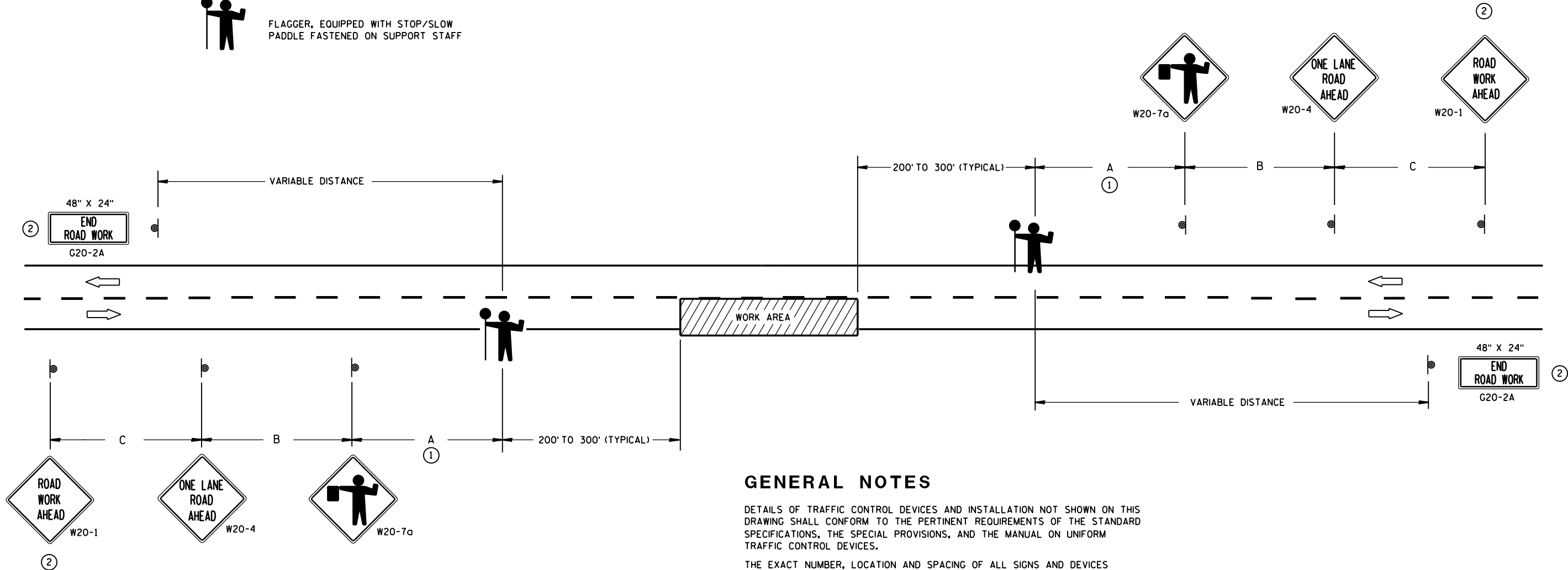
-  SIGN ON PORTABLE OR PERMANENT SUPPORT
-  DIRECTION OF TRAFFIC
-  WORK AREA
-  FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF

SIGN SPACING TABLE

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



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 /S/ Travis Feltes
DATE STATE TRAFFIC ENGINEER OF DESIGN
FHWA

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.

W20-1 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.

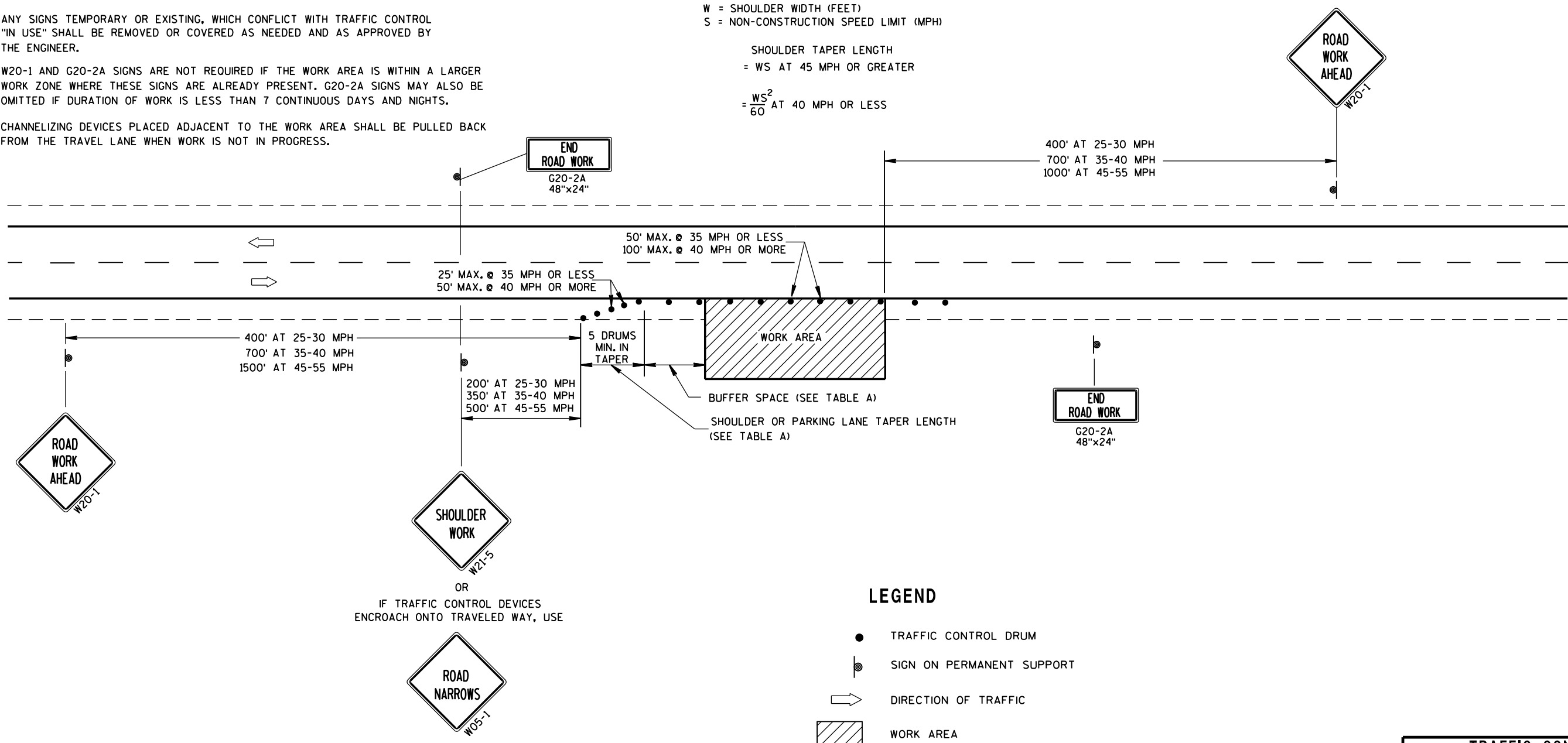
TABLE A

SHOULDER TAPER LENGTH (FEET)					BUFFER SPACE (FEET)
S \ W	4	6	8	10	
30	20	30	40	50	85
35	30	45	55	70	120
40	40	55	75	90	170
45	60	90	120	150	220
50	70	100	135	170	280
55	75	110	150	185	335

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

SHOULDER TAPER LENGTH
= WS AT 45 MPH OR GREATER

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



LEGEND

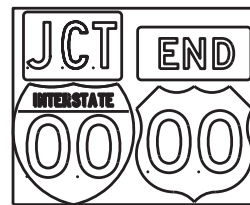
- TRAFFIC CONTROL DRUM
- ⦿ SIGN ON PERMANENT SUPPORT
- ➡ DIRECTION OF TRAFFIC
- ▨ WORK AREA

TRAFFIC CONTROL, WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED 8/2013 DATE	/S/ Travis Feltes STATE TRAFFIC ENGINEER OF DESIGN
FHWA	

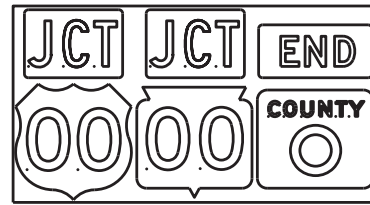
TYPICAL ASSEMBLIES



J1-1



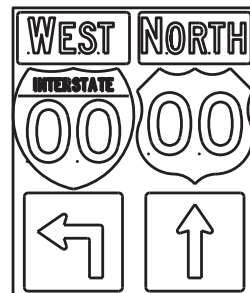
J1-2



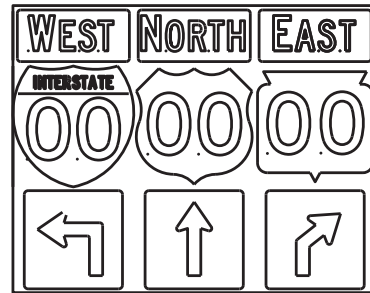
J1-3



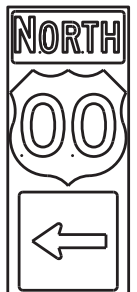
J2-1



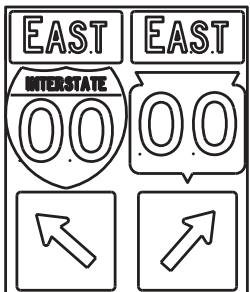
J2-2



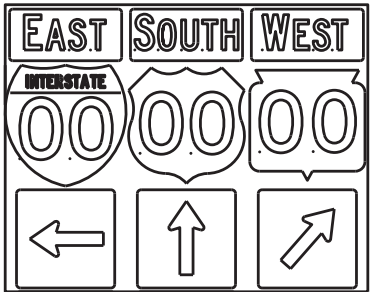
J2-3



J3-1



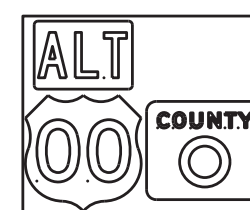
J3-2



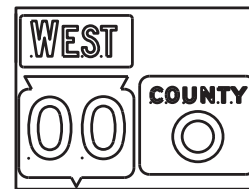
J3-3



J4-1



J4-2



J4-2



J13-1



J12-1



J32-1



J33-1



J23-1

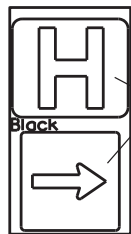


J22-1



JV

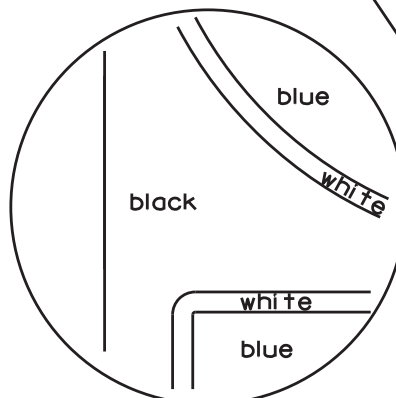
(Typical Vertical J-Assembly
See Note 10 and 11)



JH-1

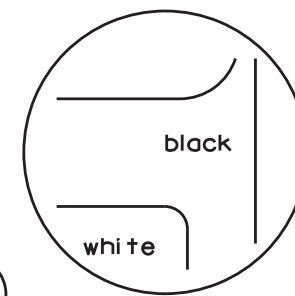
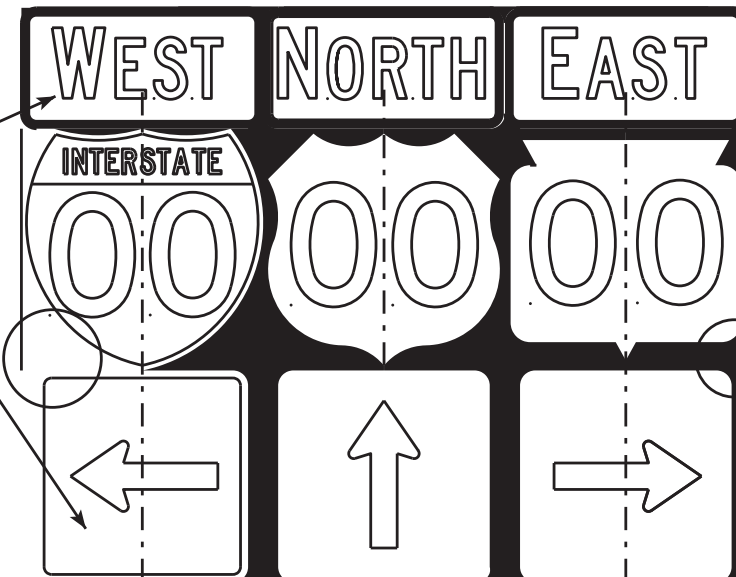
Blue Background

[blue background
with interstate]



NOTES

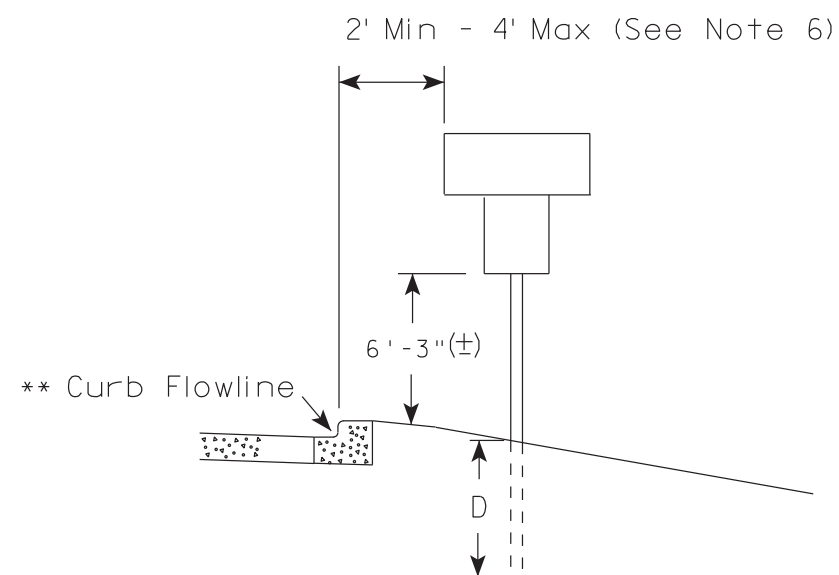
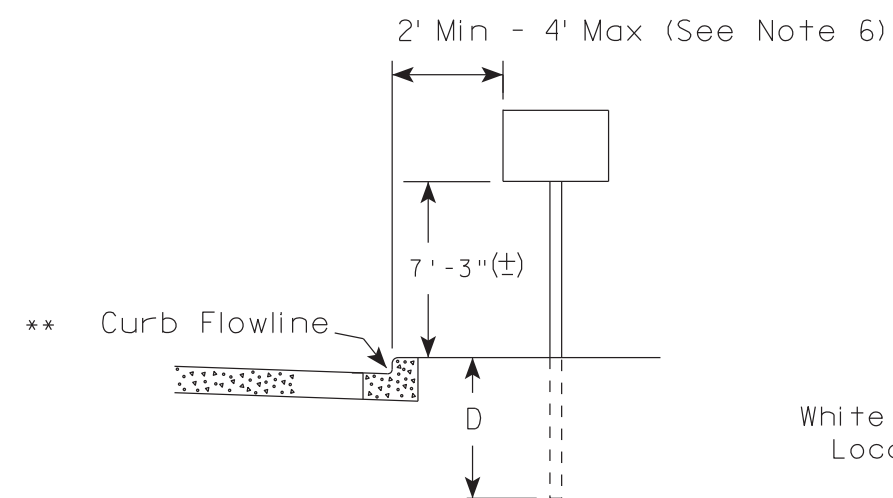
1. Signs are Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
Background - Black Non-reflective
Message - see Note 5
3. Message Series - See Note 5
4. Corners shall be square or rounded if base material is plywood. 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 MI-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 inches (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.



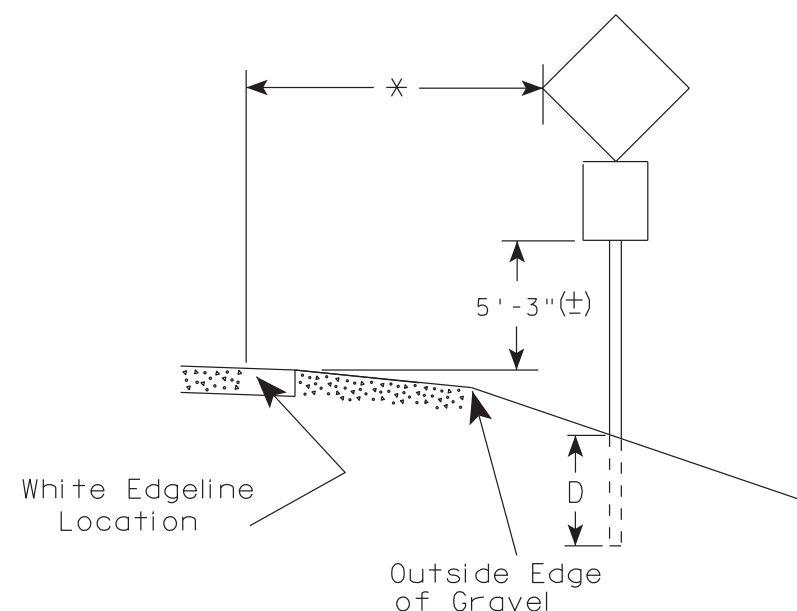
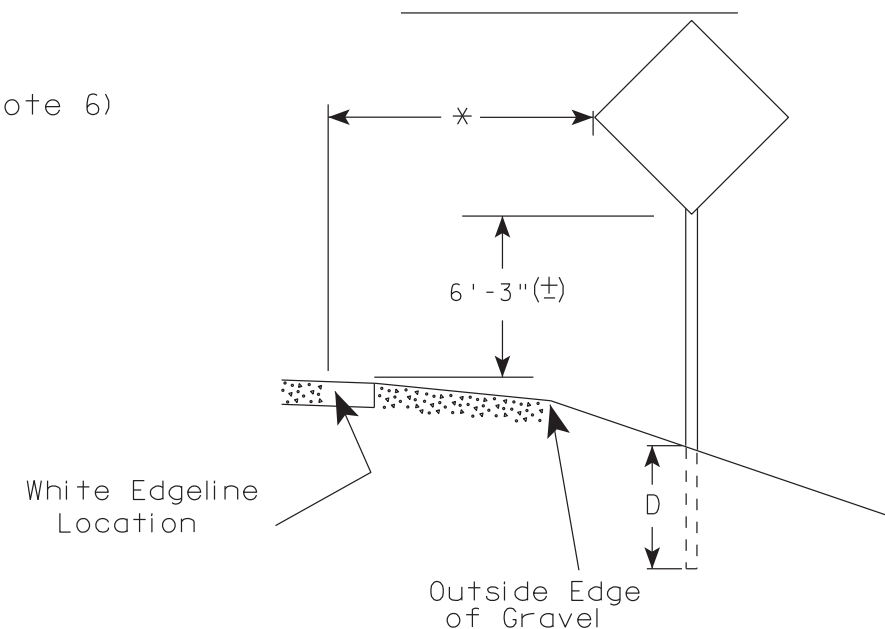
[black background]

ROUTE MARKERS & COMPONENTS IN TYPICAL ASSEMBLIES	
WISCONSIN DEPT OF TRANSPORTATION	
APPROVED	<i>Matthew R. Rauch</i> For State Traffic Engineer
DATE 2/06/14	PLATE NO. A2-IS.8

URBAN AREA



RURAL AREA (See Note 2)



POST EMBEDMENT DEPTH

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

- Signs wider than 4 feet, 20 sq.ft or larger, shall be mounted on multiple posts. Refer to plate A4-4.
- If signs are mounted on barrier wall, see A4-10 sign plate.
- For expressways and freeways, mounting height is 7'-3" (±) or 6'-3" (±) depending upon existence of a sub-sign.
- Minimum mounting height for J assemblies (A4-5) is 7'-3" (±) or 6'-3" (±) per urban or rural detail respectively.
- Minimum mounting height for signs mounted on traffic signal poles is 5'-3" (±).
- Offset distance shall be consistent with existing signs or consistent throughout length of project.
- The (±) tolerance for mounting height is 3 inches.
- Folding stop signs (R1-1F) shall be mounted at a height of 5'-3" (±) or as directed by the Engineer.
- 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) & End of Rod Markers (W5-56 & W5-56A) shall be mounted at a height of 4'-3" (±).

** 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.

TYPICAL INSTALLATION
OF PERMANENT TYPE II
SIGNS ON SINGLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
for State Traffic Engineer

DATE 9/30/13 PLATE NO. A4-3.18

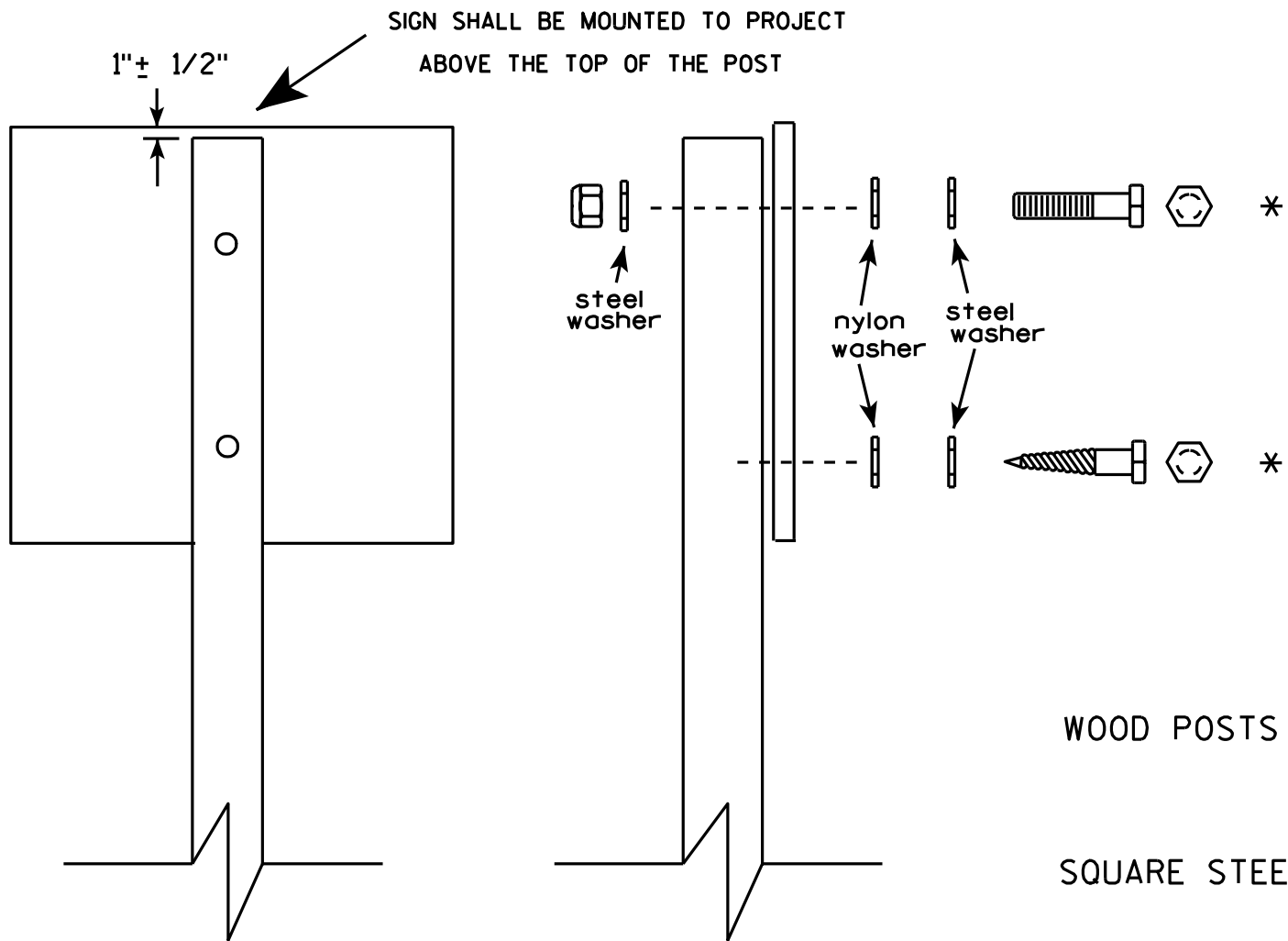
PROJECT NO: 7826-05-70

HWY: CTH II

COUNTY: EAU CLAIRE

SHEET NO:

E

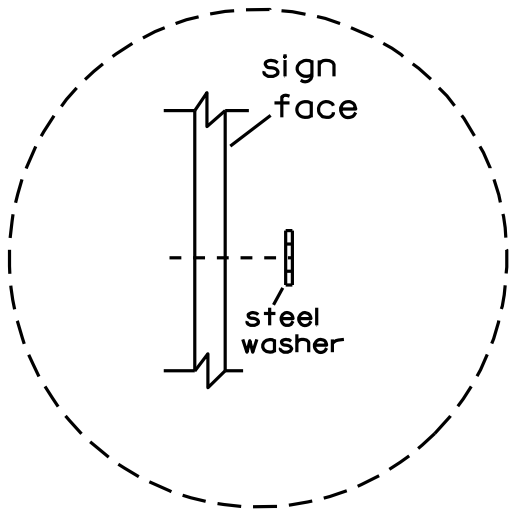


Nuts, bolts and lags used for mounting signs shall have hexagonal heads and shall be either :

- a. Hot dip galvanized in accordance with ASTM Designation: A 153, Class D, or SC 3
- b. Electro-galvanized in accordance with ASTM Designation : B 633, TYPE III, SC 3.

Threads on bolts and nuts shall be manufactured with sufficient allowance for the cadmium plate or galvanized coating to permit the nuts to run freely on the bolts.

- WOOD POSTS (4" x 4" or 4" x 6")
- LAG SCREWS - $\frac{3}{8}$ " X 3"
- MACHINE BOLTS - $\frac{5}{16}$ " X 6-1/2" or 7" Length w/ nuts
- SQUARE STEEL POSTS (2" x 2")
- MACHINE BOLTS - $\frac{3}{8}$ " X 3-1/4" Length w/ nuts
- RIVETS - $\frac{9}{32}$ " (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 $\frac{3}{8}$ " I.D. X $\frac{1}{16}$ " STEEL
- 1-1/4" O.D. X $\frac{3}{8}$ " I.D. X .080 NYLON for all Type H signs.



Washer Placement when Sign Has Other Than Type H or Type F Face

* 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	<i>Matthew R. Rauch</i> For State Traffic Engineer
DATE 3/23/10	PLATE NO. A4-8.7

7

Metric equivalent
for this sign is:

SIZE	
1	
2	
3	
4	2400 mm X 1200 mm
5	

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 m ²
1																												
2																												
3																												
4	96	48	2 1/4	3/4	1	8	6 1/2	5 1/2	20 5/8	1 5/8	7	12	35 7/8	6 1/4	41 3/8	18 5/8		3 1/2									32.0	2.88
5																												

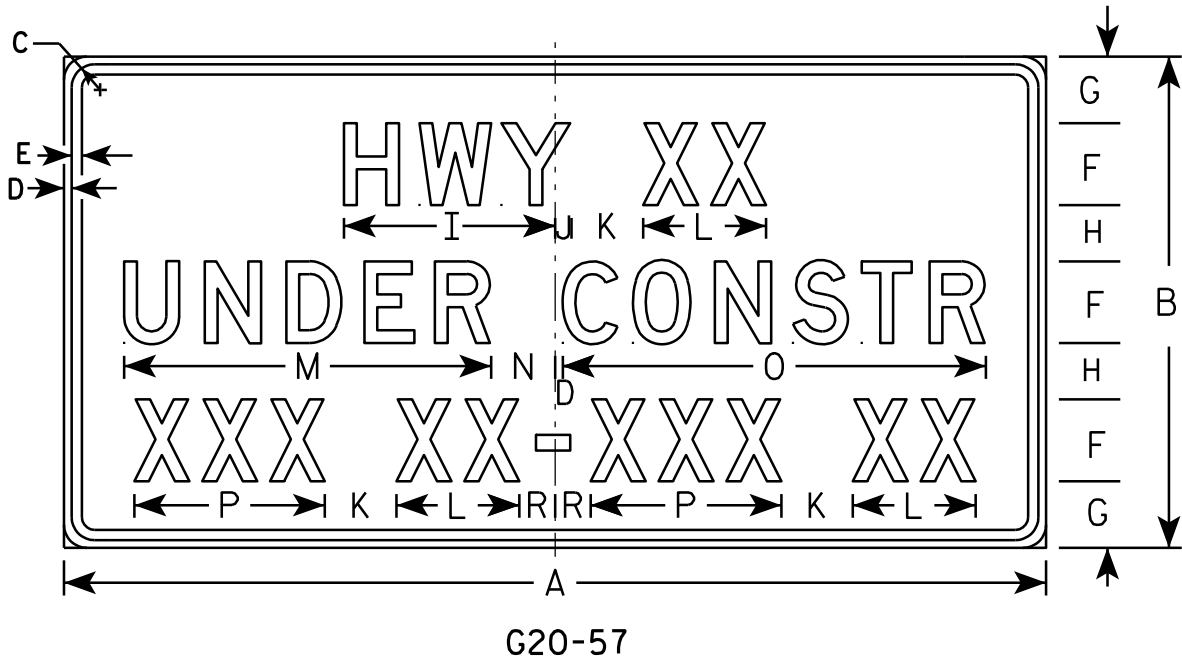
PROJECT NO:7826-05-70

HWY: CTH II

COUNTY: EAU CLAIRE

SHEET NO:

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 - Orange
Message - Black
3. Message Series - D
4. Substitute appropriate numeral and adjust spacing to achieve proper balance.

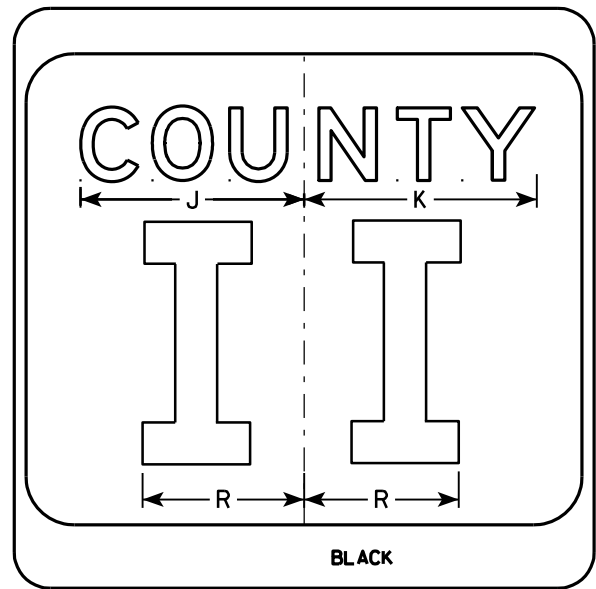
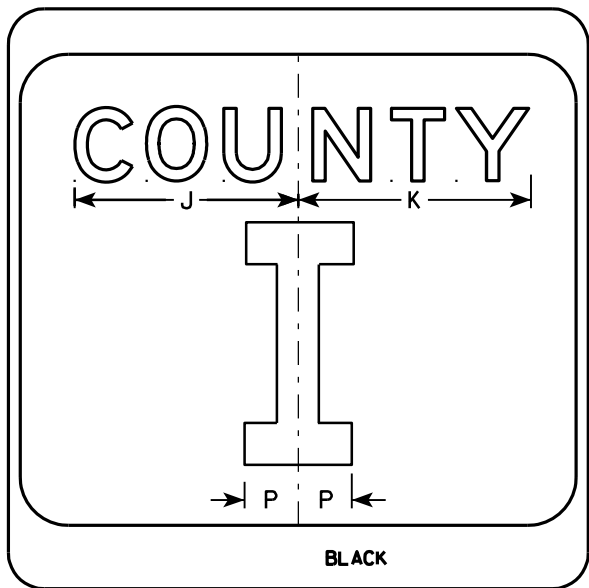
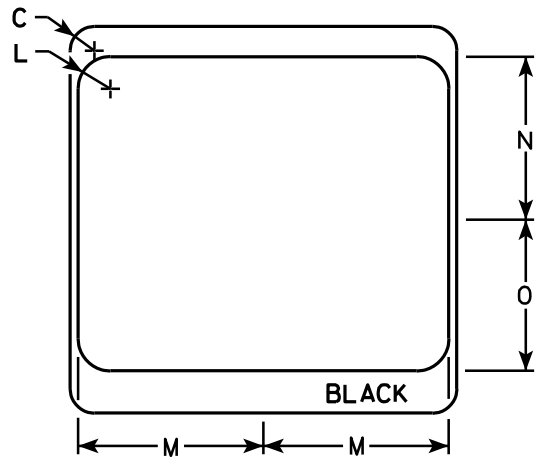
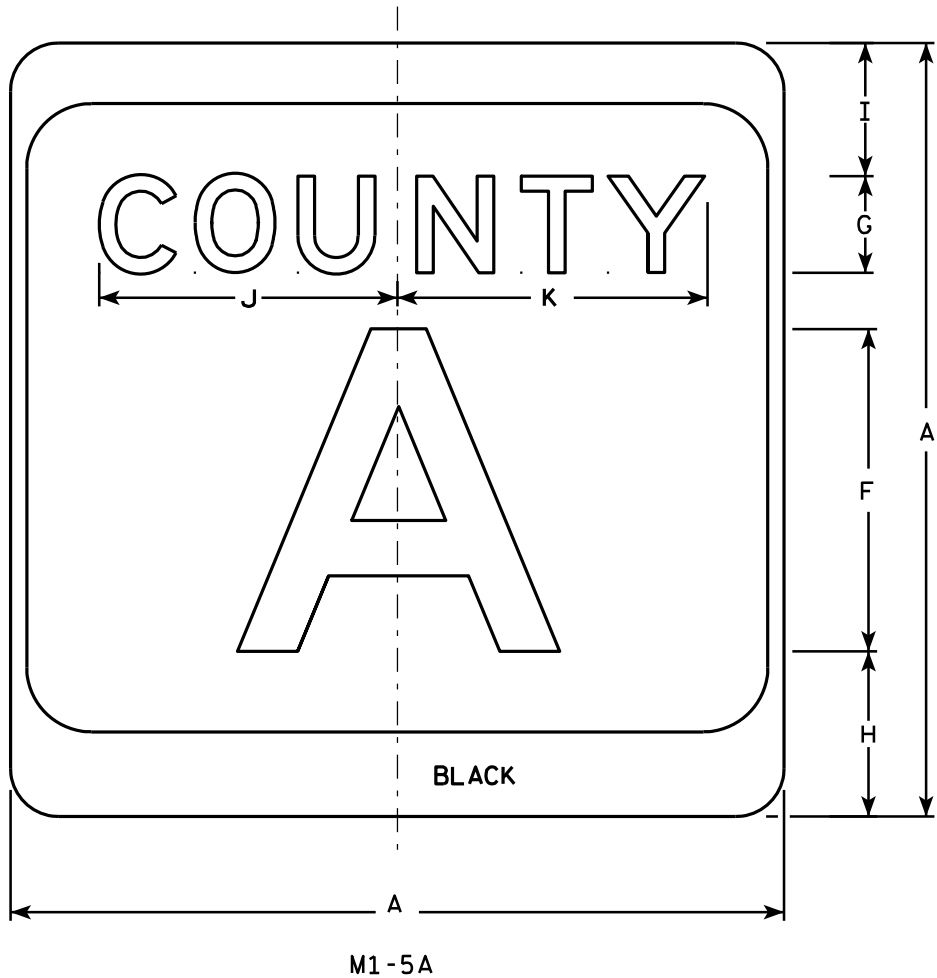
STANDARD SIGN
G20-57

WISCONSIN DEPT OF TRANSPORTATION

APPROVED
Matthew R. Rauch
For State Traffic Engineer

DATE 7/13/09 PLATE NO. G20-57.2

7



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

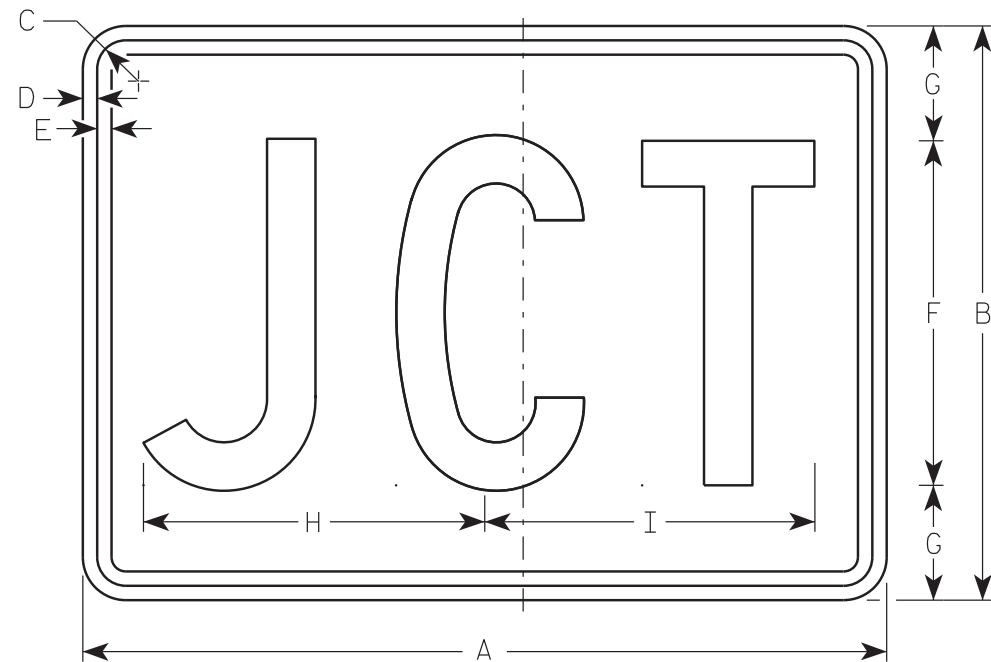
M1-5A FOR ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

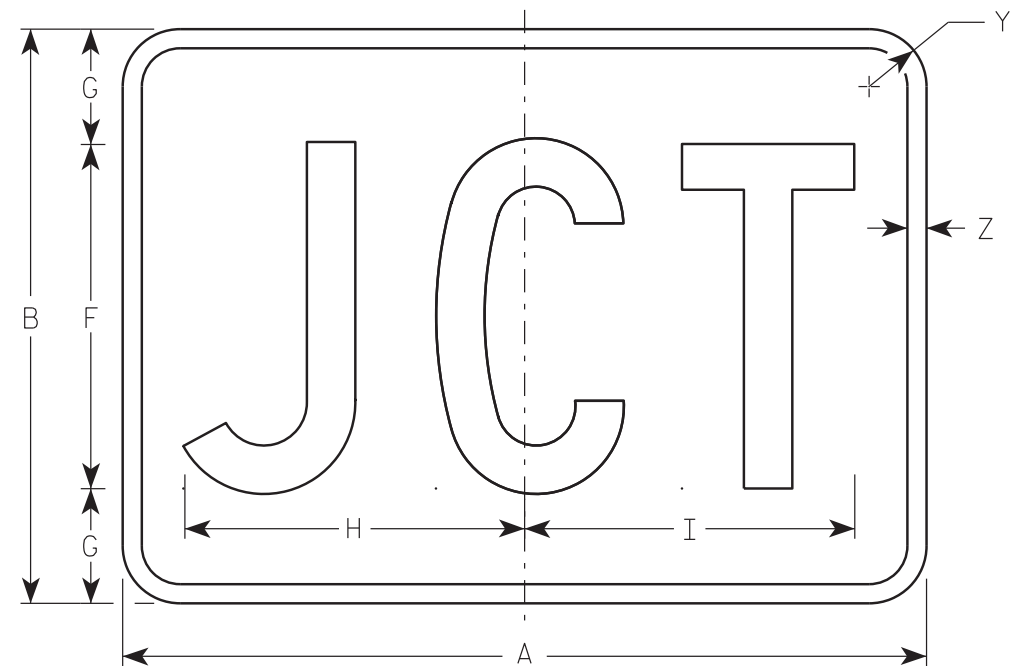
APPROVED *Matthew R. Rauch*
For State Traffic Engineer

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

7



M2-1
MK2-1
MM2-1
MN2-1
MR2-1



MB2-1

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
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 6/30/14 PLATE NO. M2-1.11

PROJECT NO: 7826-05-70

HWY: CTH II

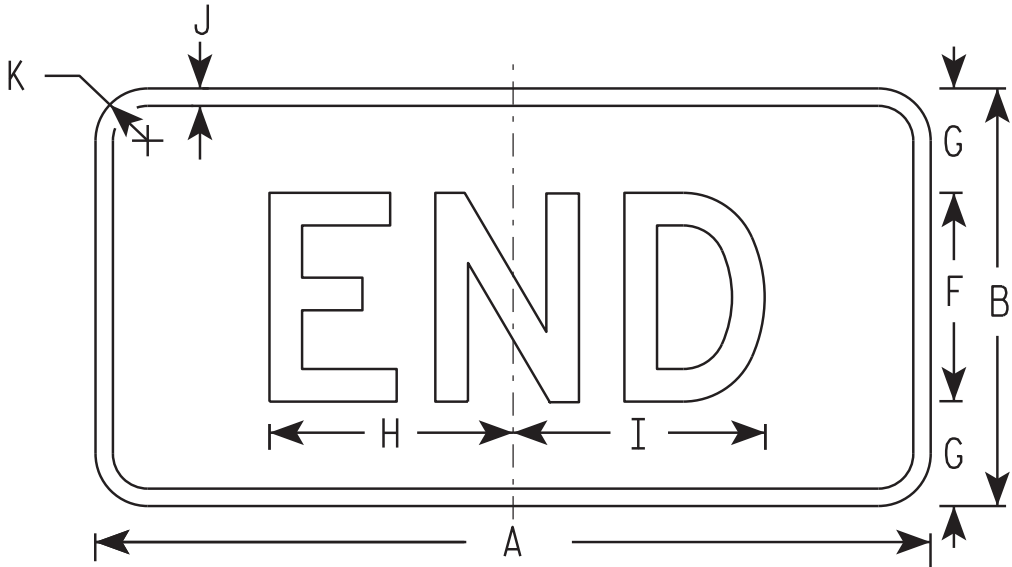
COUNTY: EAU CLAIRE

SHEET NO:

E



M4-6
MK4-6
MM4-6
MN4-6
MR4-6



MB4-6

NOTES

1. Sign is Type II - Type H
2. Color:
Background - See note 5
Message - See note 5
3. Message Series - D
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. M4-6 Background - White
Message - Black

MB4-6 Background - Blue
Message - White

MK4-6 Background - Green
Message - White

MM4-6 Background - White
Message - Green

MN4-6 Background - Brown
Message - White

MR4-6 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	12	1 1/8	3/8	3/8	6	3	7	7 1/4	1/2	1 1/2																2.00
3	36	18	1 1/8	3/8	1/2	9	4 1/2	12	11 7/8	1/2	1 1/2																4.5
4	36	18	1 1/8	3/8	1/2	9	4 1/2	12	11 7/8	1/2	1 1/2																4.5
5	36	18	1 1/8	3/8	1/2	9	4 1/2	12	11 7/8	1/2	1 1/2																4.5

STANDARD SIGN
M4-6

WISCONSIN DEPT OF TRANSPORTATION

APPROVED
Matthew R. Rauch
for State Traffic Engineer

DATE 6/30/14 PLATE NO. M4-7.8

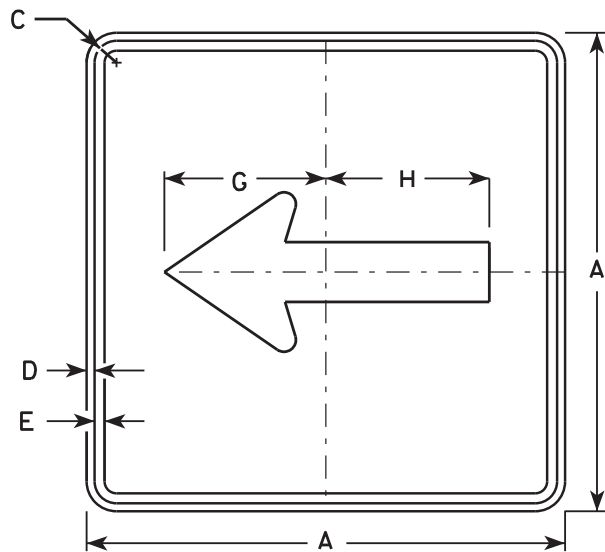
PROJECT NO: 7826-05-70

HWY: CTH II

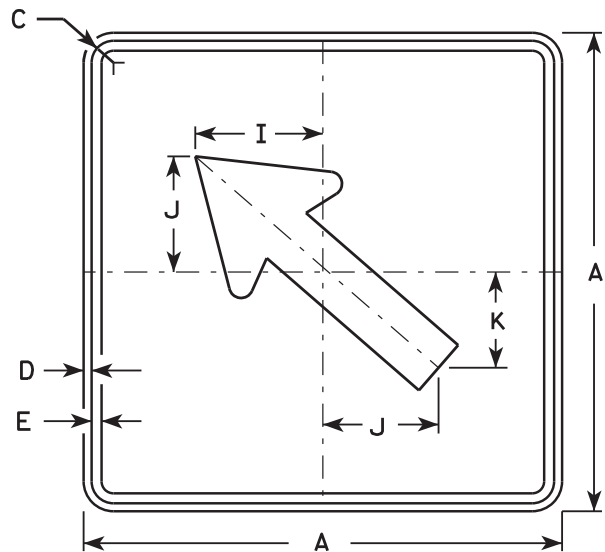
COUNTY: EAU CLAIRE

SHEET NO:

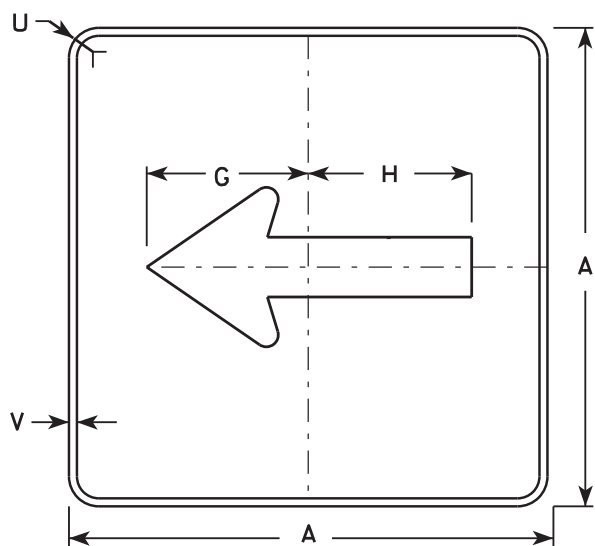
E



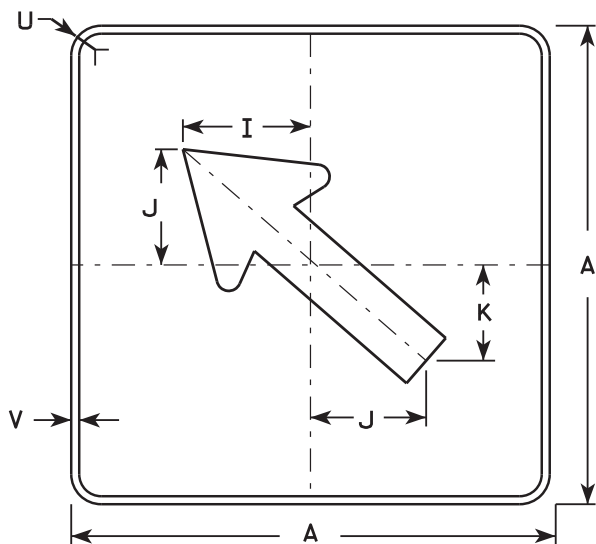
M6 - 1
MK6 - 1
MM6 - 1
MN6 - 1
MO6 - 1
MP6 - 1
MR6 - 1



M6 - 2
MK6 - 2
MM6 - 2
MN6 - 2
MO6 - 2
MP6 - 2
MR6 - 2



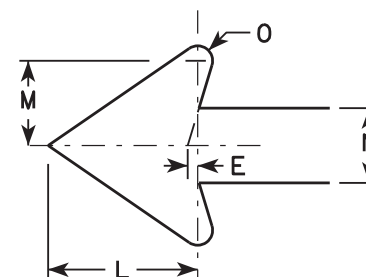
MB6 - 1



MB6 - 2

NOTES

- Signs are Type II - Type H except as Shown
- Color:
Background - See note 4
Message - See note 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.
- M6-1 and M6-2 Background - White
Message - Black
MB6-1 and MB6-2 Background - Blue
Message - White
MG6-1 and MG6-2 Background - Green
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



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

PROJECT NO: 7826-05-70

HWY: CTH II

COUNTY: EAU CLAIRE

SHEET NO:

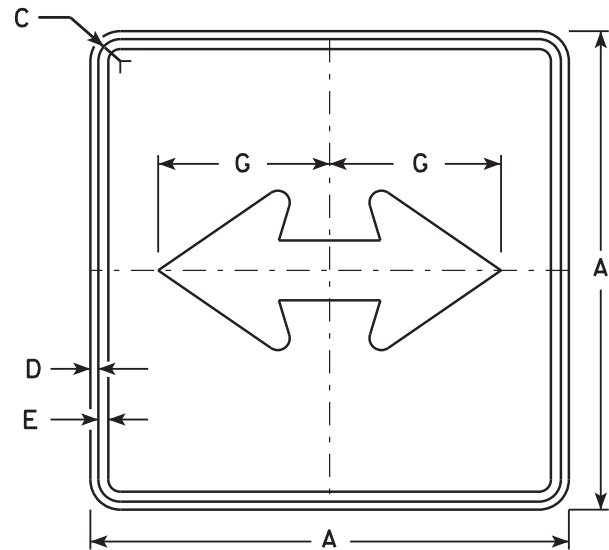
E

STANDARD SIGN
M6 - 1 & M6 - 2
SERIES

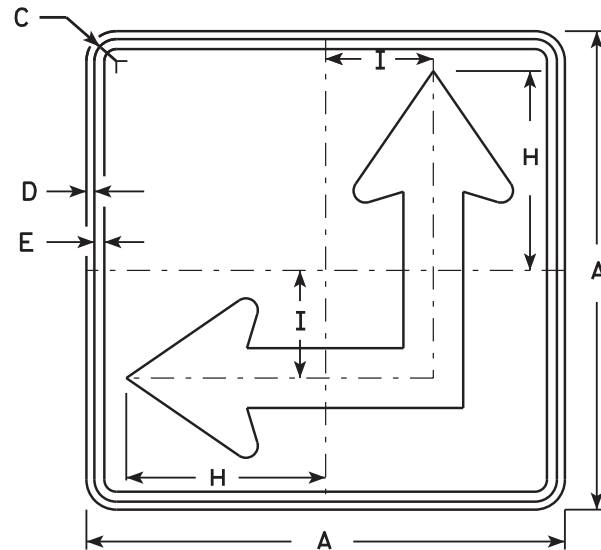
WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
for State Traffic Engineer

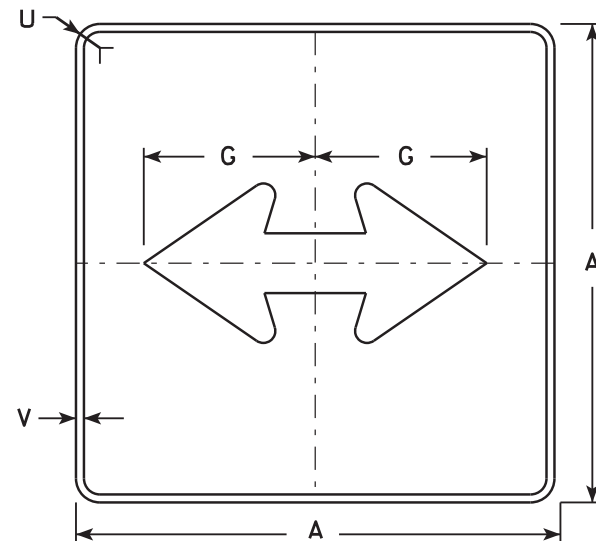
DATE 7/03/14 PLATE NO. M6-1.14



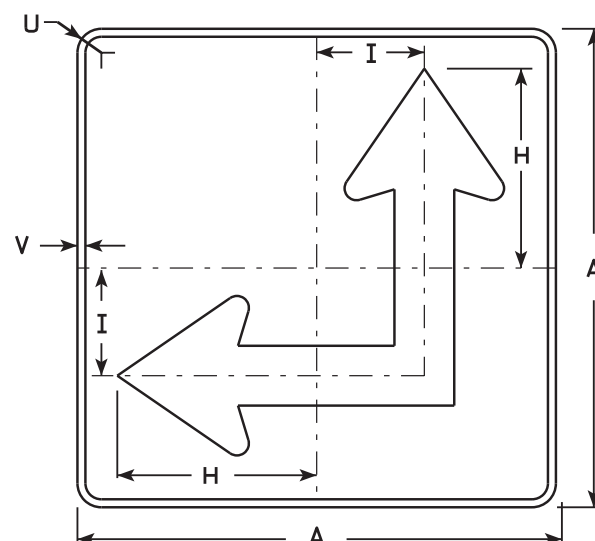
M6 - 4
MK6 - 4
MM6 - 4
MN6 - 4
M06 - 4
MP6 - 4
MR6 - 4



M6 - 6
MK6 - 6
MM6 - 6
MN6 - 6
M06 - 6
MP6 - 6
MR6 - 6



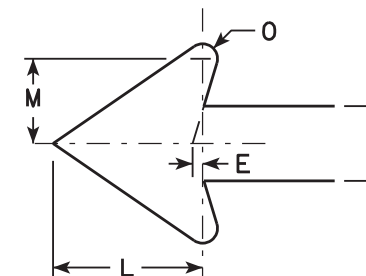
MB6 - 4



MB6 - 6

NOTES

- Signs are Type II - Type H except as Shown
- Color:
 - Background - See Note 4
 - Message - See Note 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.
- M6-4 and M6-6 Background - White
Message - Black
MB6-4 and MB6-6 Background - Blue
Message - White
MK6-4 and MK6-6 Background - Green
Message - White
MM6-4 and MM6-6 Background - White
Message - Green
MN6-4 and MN6-6 Background - Brown
Message - White
M06-4 and M06-6 Background - Orange - Type F Reflective
Message - Black
MP6-4 and MP6-6 Background - White
Message - Blue
MR6-4 and MR6-6 Background - Brown
Message - Yellow
- M6-6R same as M6-6L except arrow points ahead and 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 1/2	8 3/4	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	12 1/2	6 3/4			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	12 1/2	6 3/4			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	12 1/2	6 3/4			7 1/2	4 1/4	3 3/4	3/4						1 7/8	1/2					6.25

PROJECT NO: 7826-05-70

HWY: CTH II

COUNTY: EAU CLAIRE

SHEET NO:

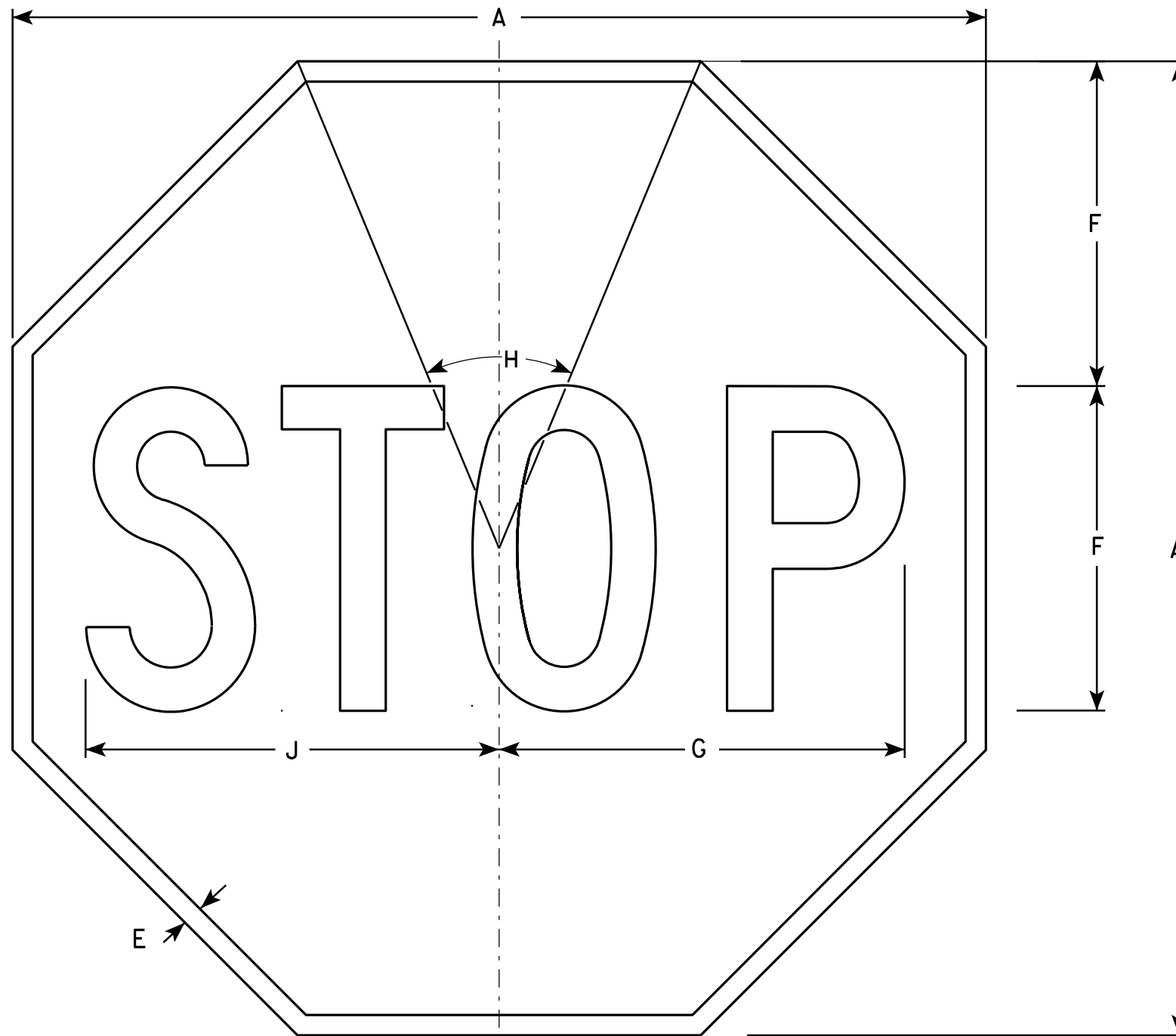
E

STANDARD SIGN
M6 - 4 & M6 - 6
SERIES

WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
for State Traffic Engineer

DATE 7/03/14 PLATE NO. M6-4.9



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

R1-1

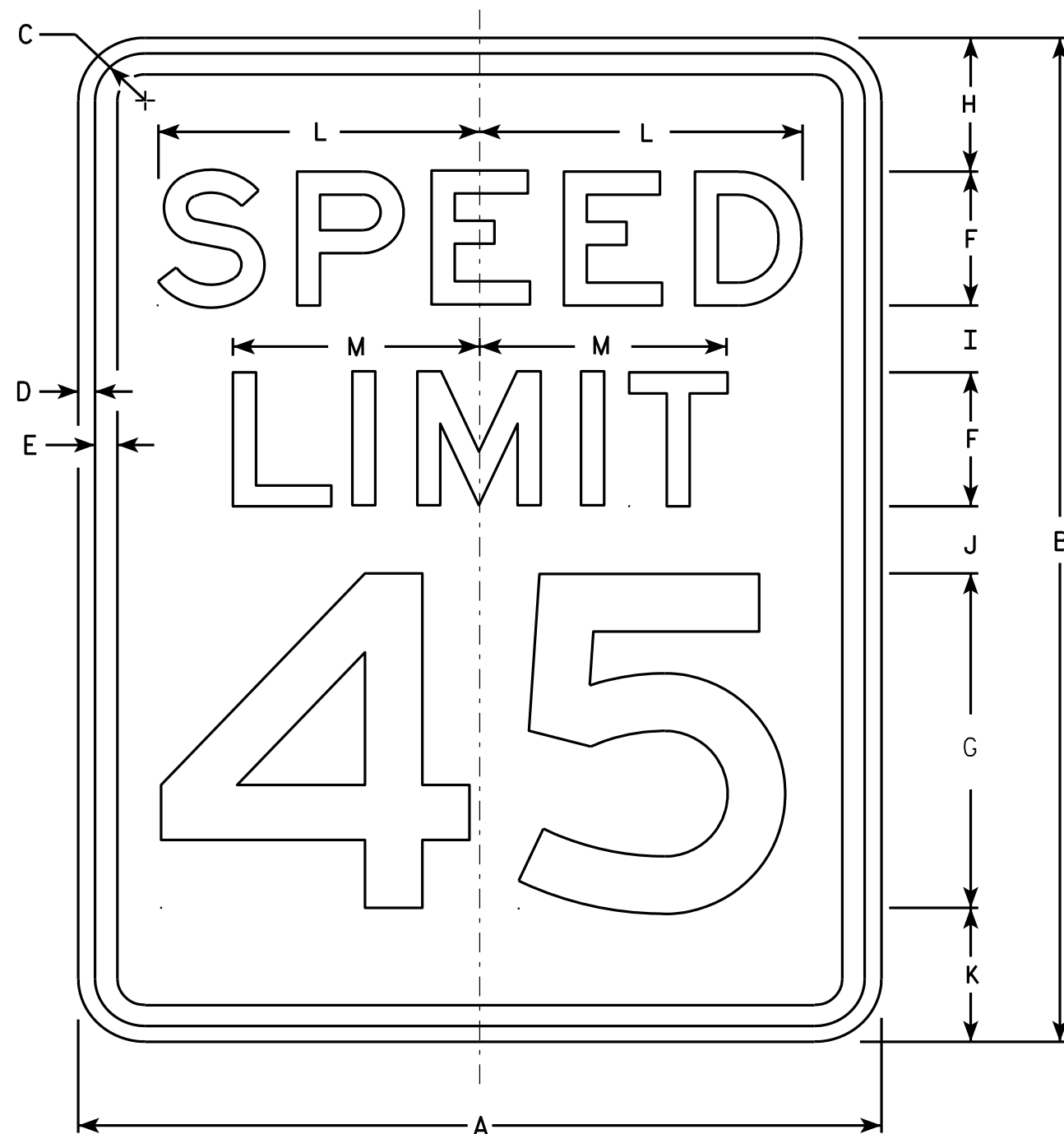
SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	24				3/8	8	10	45°		10 1/4																	3.31
2S	30				5/8	10	12 1/2	45°		12 3/4																	5.18
2M	36				3/4	12	15	45°		15 3/8																	7.46
3	36				3/4	12	15	45°		15 3/8																	7.46
4	48				1	16	20	45°		20 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 12/03/10 PLATE NO. R1-1.12



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

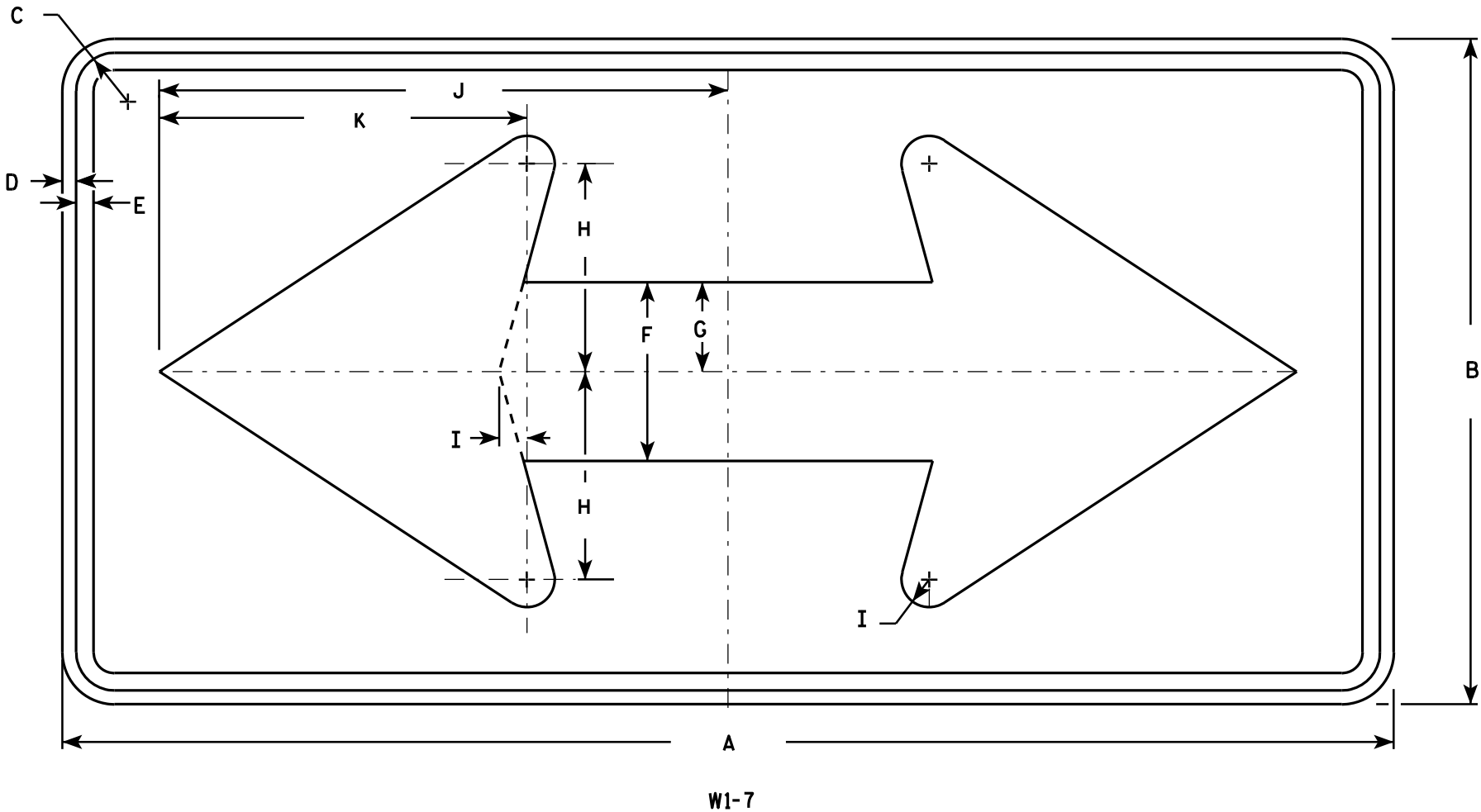
PROJECT NO: 7826-05-70

HWY: CTH II

COUNTY: EAU CLAIRE

SHEET NO:

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.

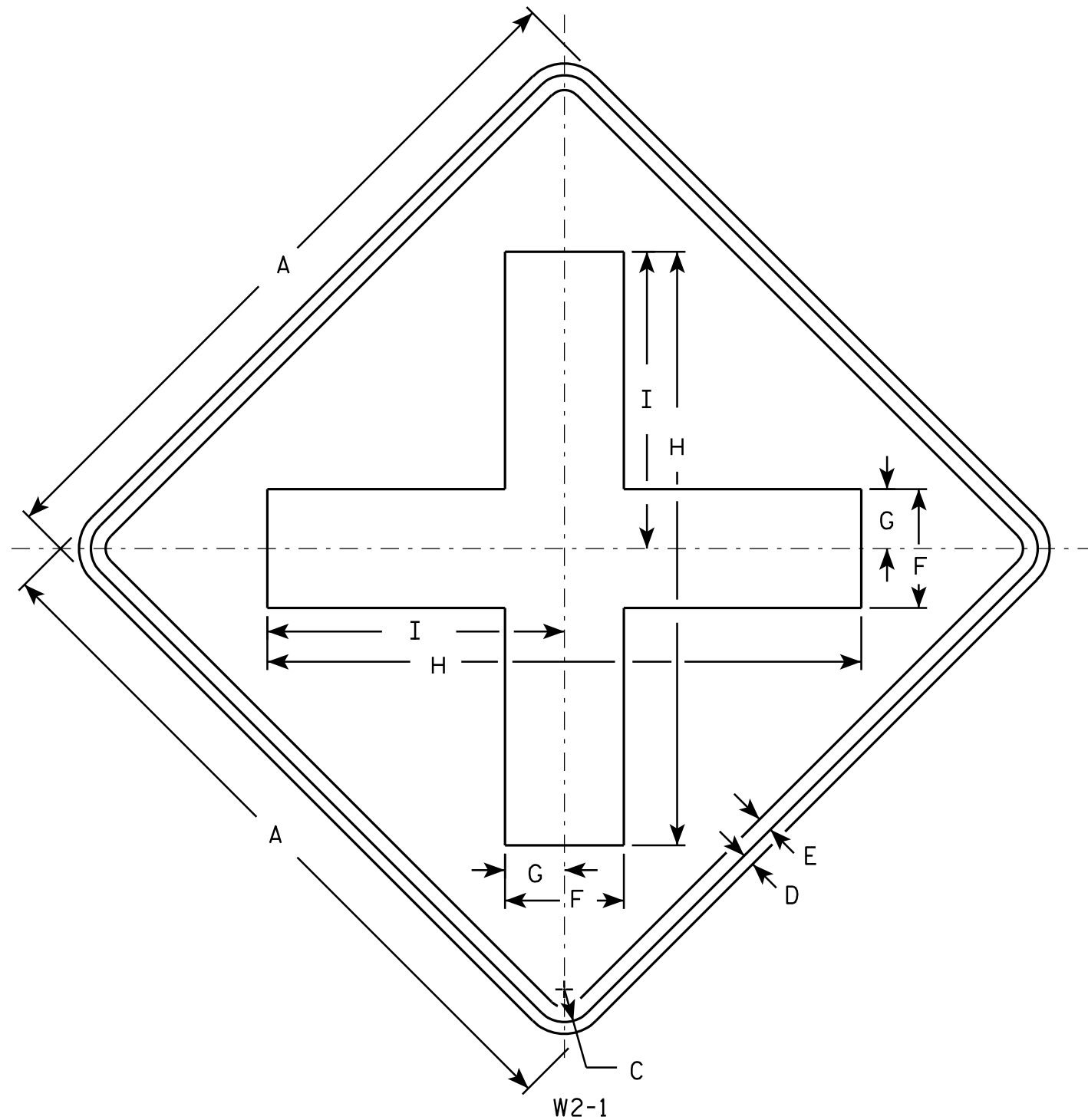
SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36	18	1 1/8	3/8	1/2	5	2 1/2	5 3/4	3/4	15 5/8	10 1/8																4.5
2S	48	24	1 3/8	1/2	5/8	6 1/2	3 1/4	7 1/2	1	20 1/2	13 1/4																8.0
2M	48	24	1 3/8	1/2	5/8	6 1/2	3 1/4	7 1/2	1	20 1/2	13 1/4																8.0
3	60	30	1 3/8	1/2	5/8	8	4	9 1/4	1 1/4	25 3/8	16 1/4																12.5
4	60	30	1 3/8	1/2	5/8	8	4	9 1/4	1 1/4	25 3/8	16 1/4																12.5
5	96	48	2 1/4	3/4	1	13	6 1/2	15	2	41	26 1/2																32.0

STANDARD SIGN
W1 - 7

WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
for State Traffic Engineer

DATE 6/7/10 PLATE NO. W1-7.7



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	4	2	20	10																		4.0
2S	30		1 3/8	1/2	5/8	5	2 1/2	25	12 1/2																		6.25
2M	30		1 3/8	1/2	5/8	5	2 1/2	25	12 1/2																		6.25
3	36		1 5/8	5/8	3/4	6	3	30	15																		9.0
4	48		2 1/4	3/4	1	8	4	40	20																		16.0
5																											

STANDARD SIGN W2-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
for State Traffic Engineer

DATE 5/29/12 PLATE NO. W2-1.9

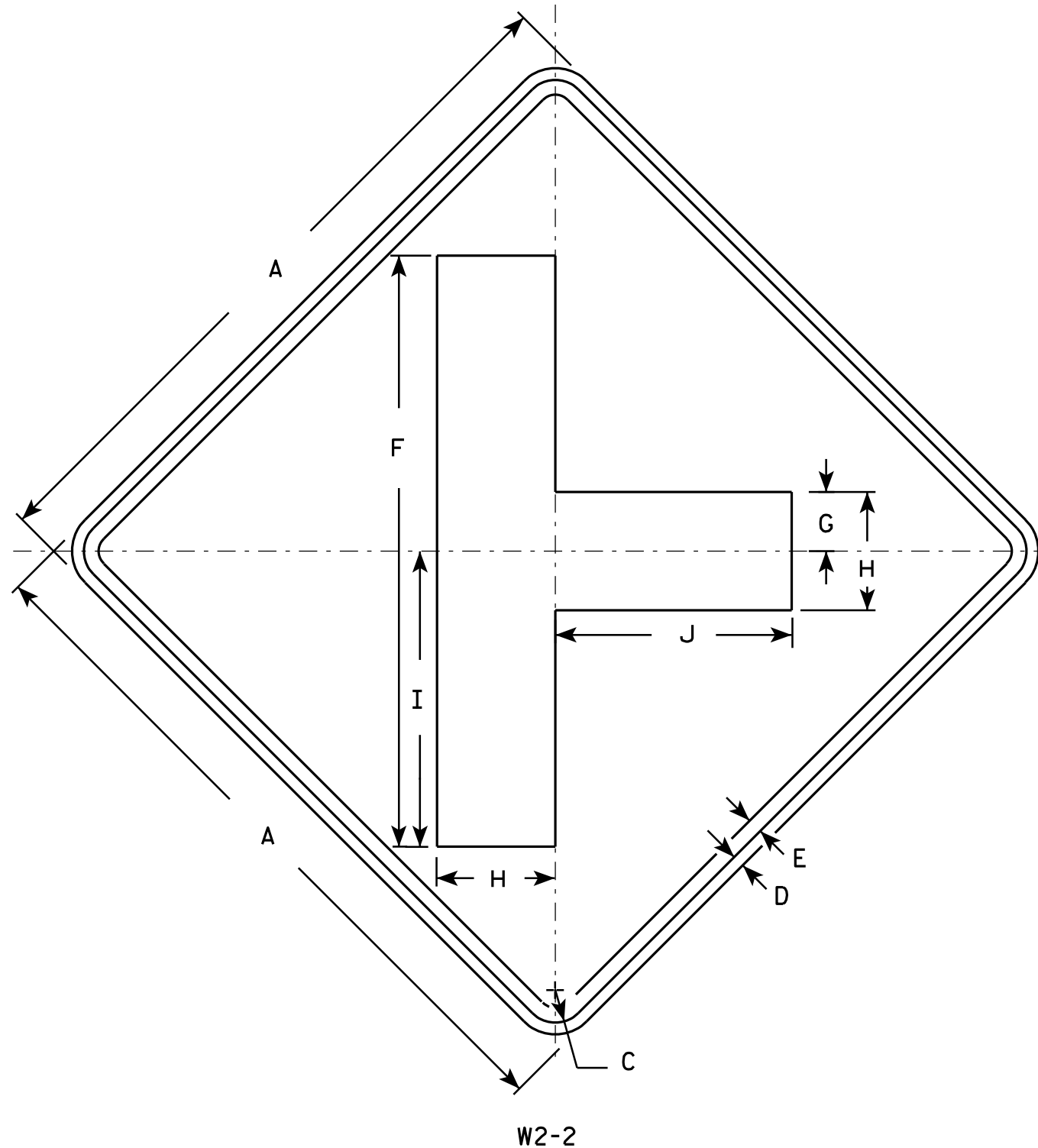
PROJECT NO: 7826-05-70

HWY: CTH II

COUNTY: EAU CLAIRE

SHEET NO:

E



NOTES

- Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
- Color:
Background - Yellow
Message - Black
- 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.

W2-2

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	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

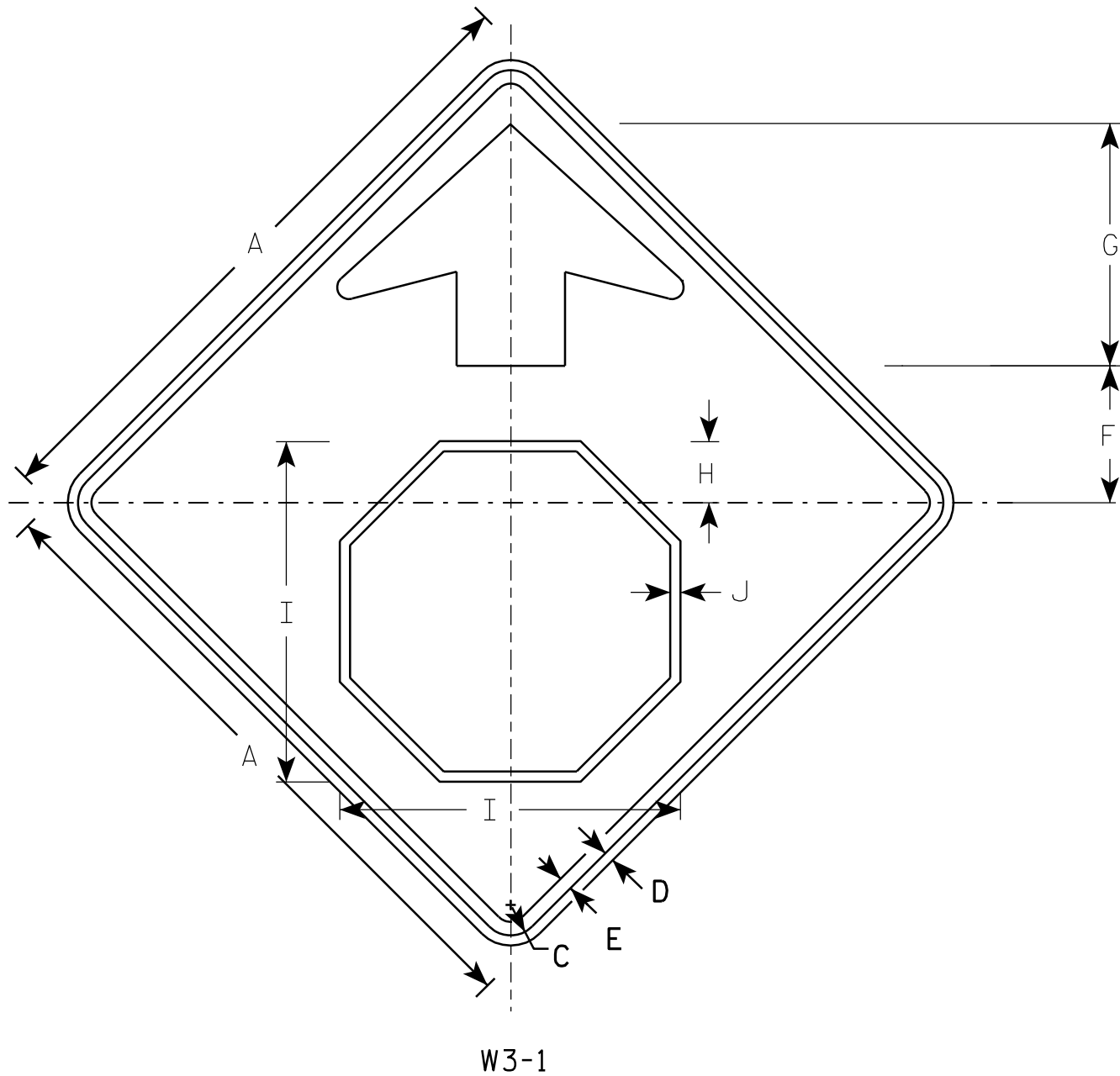
PROJECT NO: 7826-05-70

HWY: CTH II

COUNTY: EAU CLAIRE

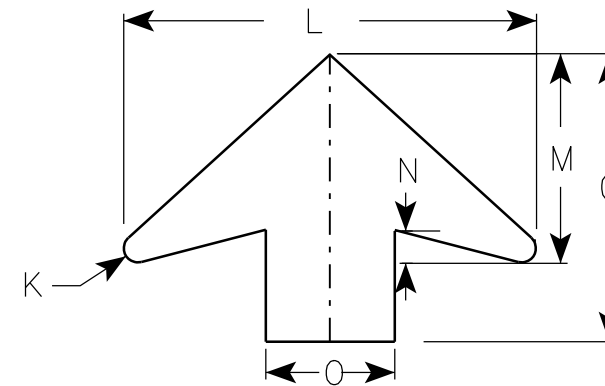
SHEET NO:

E



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

PROJECT NO: 7826-05-70

HWY: CTH II

COUNTY: EAU CLAIRE

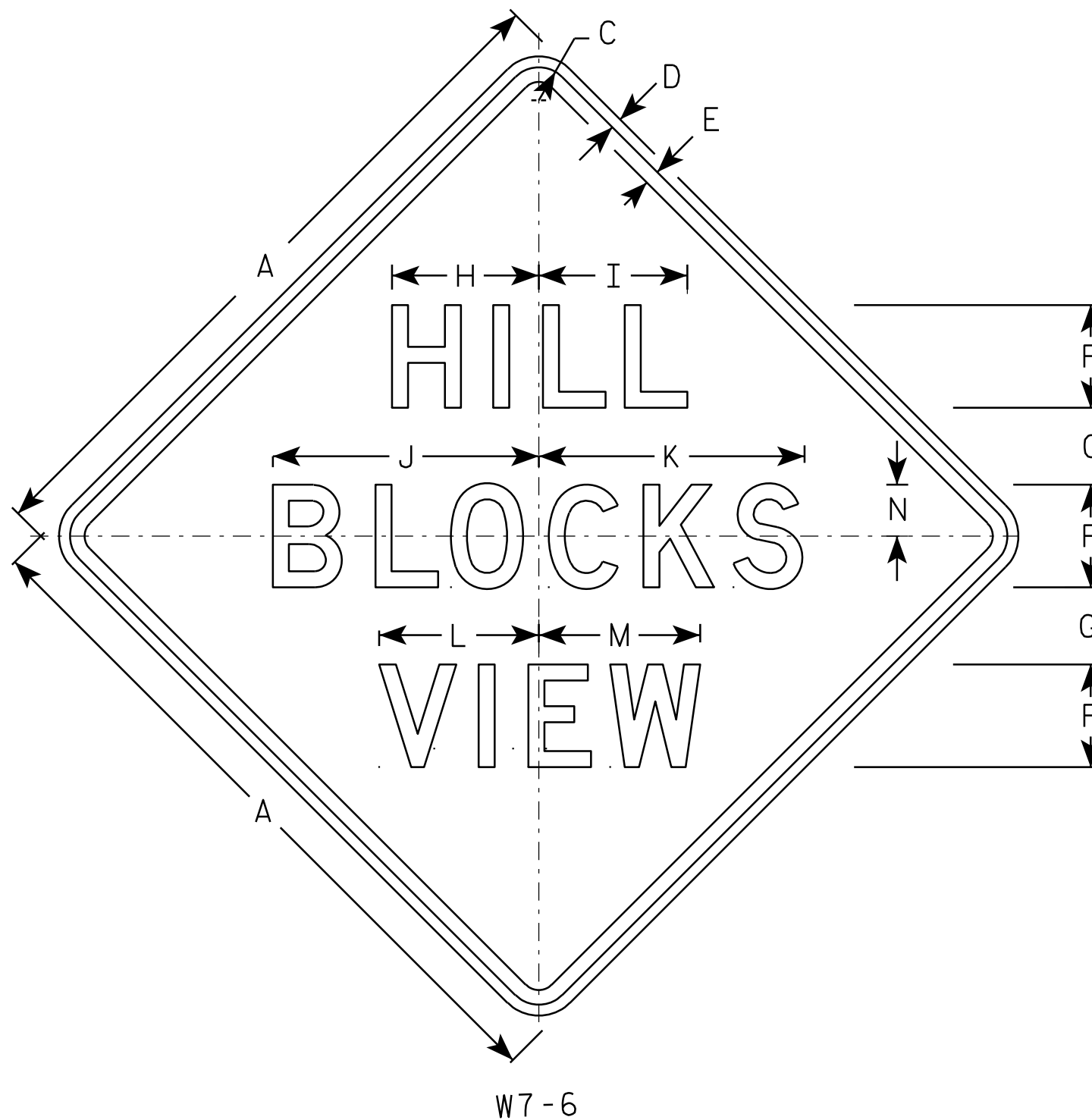
STANDARD SIGN
W3-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
for State Traffic Engineer
DATE 6/7/10 PLATE NO. W3-1.12

SHEET NO:

E



NOTES

- Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
- Color:
Background - YELLOW
Message - BLACK
- Message Series - D
- 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	30		1 1/8	1/2	5/8	5	3 3/4	6	8 3/8	12 7/8	13	7 7/8	7 3/4	2 1/2													6.25
2M	36		1 5/8	5/8	3/4	6	4 1/2	7 3/4	10 3/4	16	16 1/8	9 7/8	9 7/8	3													9.0
3	36		1 5/8	5/8	3/4	6	4 1/2	7 3/4	10 3/4	16	16 1/8	9 7/8	9 7/8	3													9.0
4	36		1 5/8	5/8	3/4	6	4 1/2	7 3/4	10 3/4	16	16 1/8	9 7/8	9 7/8	3													9.0
5	48		2 1/4	3/4	1	7	5 1/4	10	10 1/8	18 1/8	18 1/8	10 7/8	11	3 1/2													16.0

STANDARD SIGN

W7-6

WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
for State Traffic Engineer

DATE 03/12/13 PLATE NO. W7-6.3

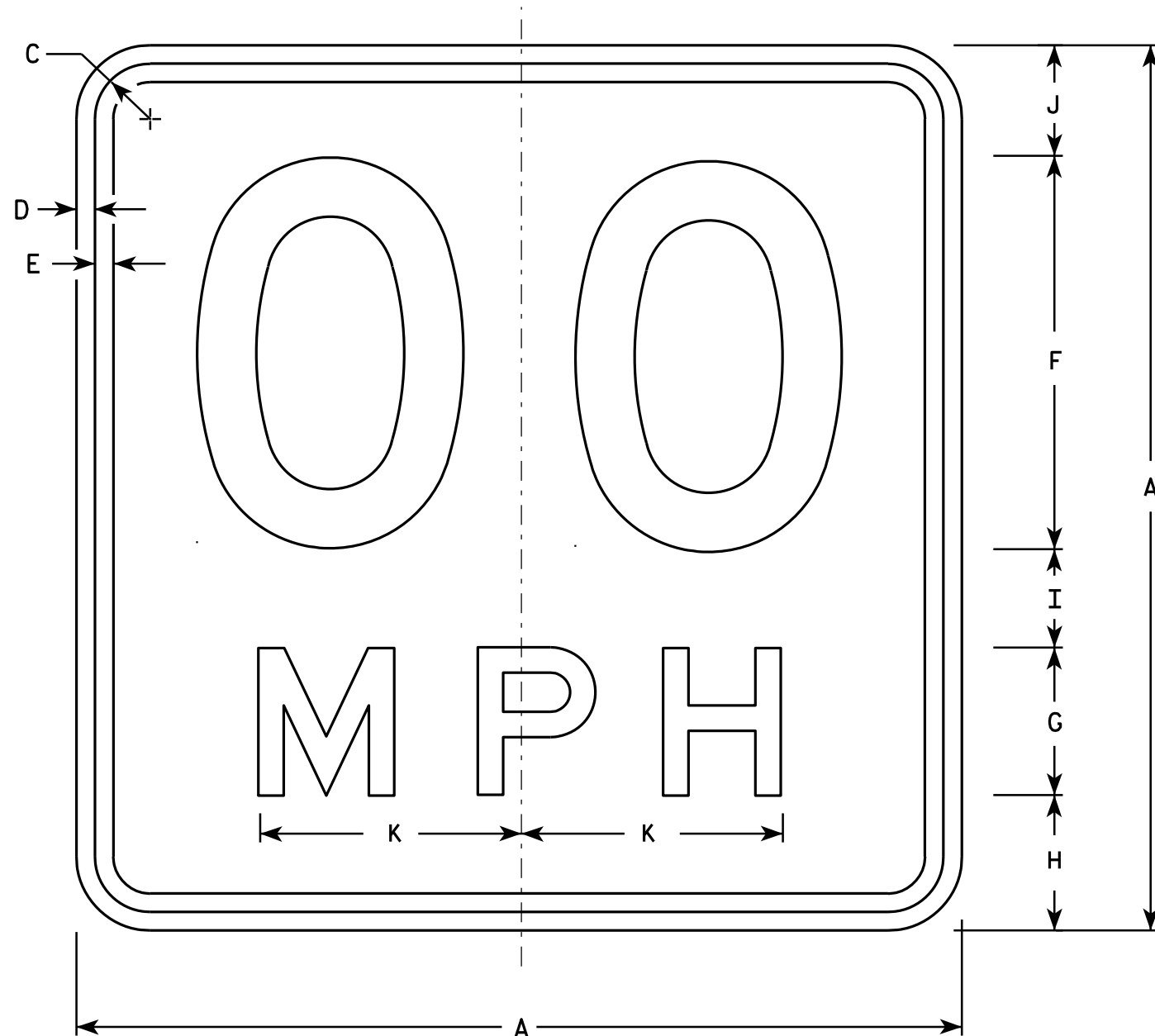
PROJECT NO: 7826-05-70

HWY: CTH II

COUNTY: EAU CLAIRE

SHEET NO:

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. Message Series - See Note 6
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 space about centerline to achieve proper balance.
6. Line 1 is Series D
Line 2 is Series E

W13-1

* For 30" x 30" Warning Signs, use 18" x 18" W13-1 signs.
For 36" x 36" Warning Signs, use 24" x 24" W13-1 signs.

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		1 1/8	3/8	3/8	8	3	2 3/4	2	2 1/4	5 3/8																2.25
* 2S	18		1 1/8	3/8	3/8	8	3	2 3/4	2	2 1/4	5 3/8																2.25
* 2M	18		1 1/8	3/8	3/8	8	3	2 3/4	2	2 1/4	5 3/8																2.25
3	24		1 1/8	3/8	1/2	10	4	4	2 3/4	3 1/4	6 5/8																4.00
4	36		1 5/8	5/8	3/4	16	6	5 1/2	4	4 1/2	10 5/8																9.00
5	36		1 5/8	5/8	3/4	16	6	5 1/2	4	4 1/2	10 5/8																9.00

STANDARD SIGN

W13-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
For State Traffic Engineer

DATE 5/31/12 PLATE NO. W13-1.16

PROJECT NO: 7826-05-70

HWY: CTH II

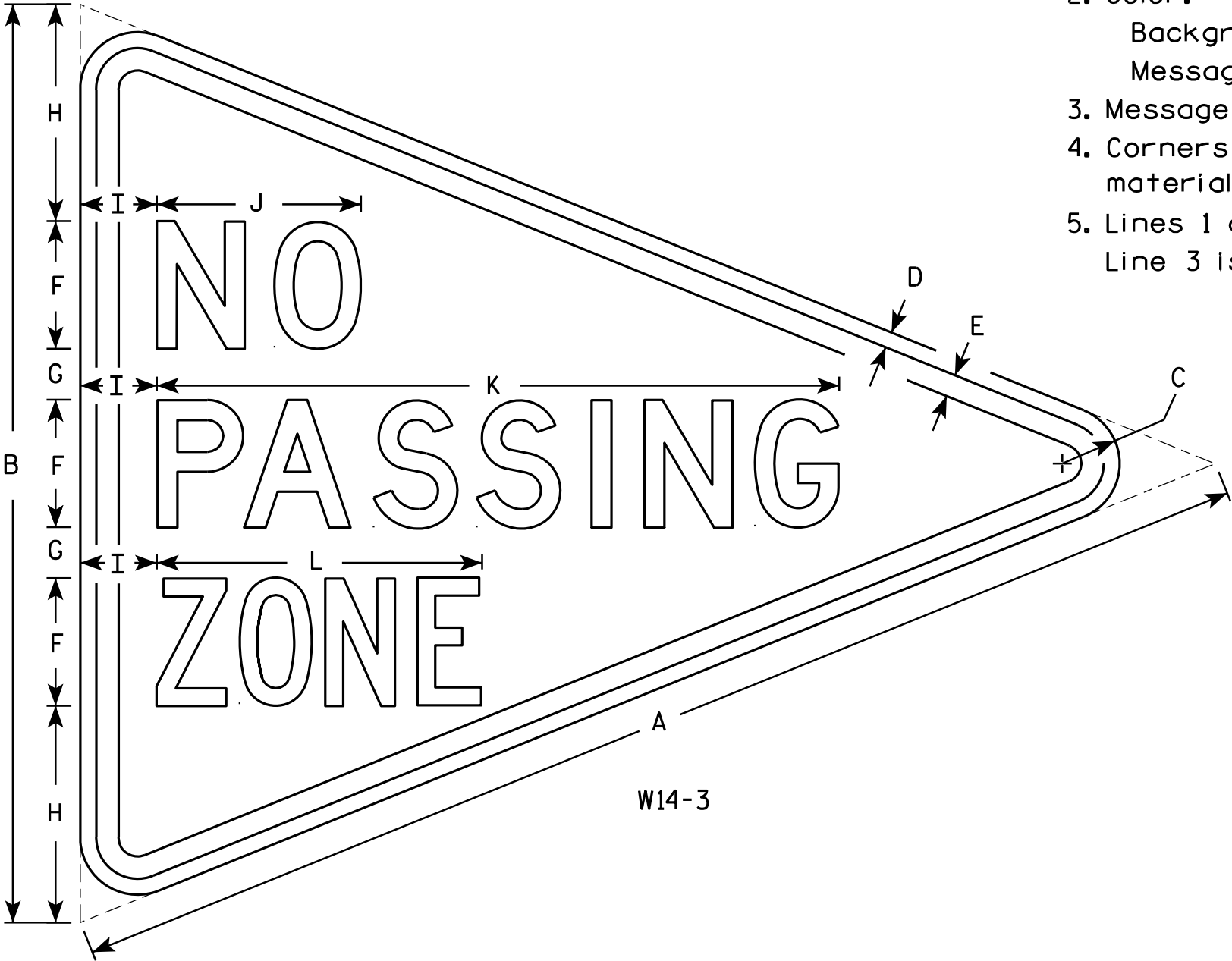
COUNTY: EAU CLAIRE

SHEET NO:

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. 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

EARTHWORK DATA - CTH II																
STATION	AREA (SF)					INCR. VOL (CY)					CUMULATIVE VOL (CY)					MASS ORDINATE
	CUT	UNUSABLE PVMT MAT.	FILL	ROCK EXC	EBS	CUT	UNUSABLE PVMT MAT.	FILL	ROCK EXC	EBS	CUT 1.00	EXP. FILL 1.25	EXPANDED ROCK 1.10	EXP. EBS BACKFILL 1.30	REDUCED EBS IN FILL 0.80	
105+10.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
106+00.00	223.27	7.33	77.80	0.00	0.00	372.12	12.21	129.67	0.00	0.00	372.12	162.09	0.00	0.00	0.00	197.82
107+00.00	174.97	7.33	61.56	0.00	0.00	737.49	27.13	258.07	0.00	0.00	1109.61	484.68	0.00	0.00	0.00	585.59
107+39.00	191.18	7.33	2.59	0.00	0.00	264.44	10.58	46.33	0.00	0.00	1374.05	542.58	0.00	0.00	0.00	781.54
108+00.00	97.46	7.33	44.77	0.00	0.00	326.05	16.55	53.50	0.00	0.00	1700.10	609.46	0.00	0.00	0.00	1024.17
109+00.00	116.27	7.33	40.43	0.00	0.00	395.79	27.13	157.78	0.00	0.00	2095.89	806.68	0.00	0.00	0.00	1195.60
109+39.00	114.57	7.33	34.88	0.00	0.00	166.71	10.58	54.39	0.00	0.00	2262.60	874.67	0.00	0.00	0.00	1283.74
109+65.00	58.75	7.33	52.57	0.00	0.00	83.45	7.05	42.11	0.00	0.00	2346.05	927.31	0.00	0.00	0.00	1307.50
110+00.00	30.37	7.33	50.86	0.00	0.00	57.76	9.50	67.04	0.00	0.00	2403.81	1011.10	0.00	0.00	0.00	1271.97
111+00.00	29.03	7.33	37.51	0.00	0.00	109.99	27.13	163.65	0.00	0.00	2513.81	1215.66	0.00	0.00	0.00	1150.27
112+00.00	65.56	7.33	38.76	0.00	0.00	175.16	27.13	141.25	0.00	0.00	2688.97	1392.23	0.00	0.00	0.00	1121.73
113+00.00	52.04	7.33	34.33	0.00	0.00	217.78	27.13	135.36	0.00	0.00	2906.75	1561.42	0.00	0.00	0.00	1143.18
114+00.00	54.48	7.33	39.61	0.00	0.00	197.26	27.13	136.93	0.00	0.00	3104.01	1732.59	0.00	0.00	0.00	1142.15
114+42.00	50.36	7.33	28.39	0.00	0.00	81.54	11.40	52.90	0.00	0.00	3185.56	1798.71	0.00	0.00	0.00	1146.18
115+00.00	34.38	7.33	45.50	0.00	0.00	91.02	15.74	79.37	0.00	0.00	3276.58	1897.92	0.00	0.00	0.00	1122.25
115+49.00	68.41	7.33	34.25	0.00	0.00	93.27	13.30	72.37	0.00	0.00	3369.85	1988.38	0.00	0.00	0.00	1111.77
116+00.00	51.44	7.33	62.70	0.00	0.00	113.19	13.84	91.57	0.00	0.00	3483.05	2102.84	0.00	0.00	0.00	1096.66
117+00.00	86.86	7.33	77.09	0.00	0.00	256.11	27.13	258.87	0.00	0.00	3739.16	2426.42	0.00	0.00	0.00	1002.06
118+00.00	38.93	7.33	75.22	0.00	0.00	232.95	27.13	282.04	0.00	0.00	3972.11	2778.97	0.00	0.00	0.00	855.32
118+92.00	47.00	7.33	25.85	0.00	0.00	146.40	24.96	172.19	0.00	0.00	4118.51	2994.21	0.00	0.00	0.00	761.53
119+00.00	41.55	7.33	35.75	0.00	0.00	13.12	2.17	9.13	0.00	0.00	4131.63	3005.62	0.00	0.00	0.00	761.06
120+00.00	43.85	7.33	46.25	0.00	0.00	158.15	27.13	151.86	0.00	0.00	4289.78	3195.45	0.00	0.00	0.00	702.25
120+40.00	67.18	7.33	29.40	0.00	269.04	82.24	10.85	56.04	0.00	199.29	4372.02	3066.20	0.00	259.07	159.43	902.89
121+00.00	59.73	7.33	57.45	0.00	241.00	141.01	16.28	96.49	0.00	566.71	4513.03	2620.11	0.00	995.80	612.80	1473.71
122+00.00	45.58	7.33	90.60	0.00	207.79	195.02	27.13	274.16	0.00	831.10	4708.05	2131.72	0.00	2076.22	1277.68	2129.99
122+46.00	67.07	7.33	76.64	0.00	221.79	95.96	12.48	142.46	0.00	365.94	4804.01	1943.86	0.00	2551.95	1570.43	2401.33
123+00.00	22.03	7.33	164.66	0.00	138.77	89.10	14.65	241.29	0.00	360.56	4893.11	1884.91	0.00	3020.67	1858.88	2534.72
124+00.00	11.00	7.33	293.10	0.00	0.00	61.17	27.13	847.69	0.00	256.99	4954.28	2687.54	0.00	3354.76	2064.47	1766.13
125+00.00	9.46	7.33	418.96	0.00	0.00	37.88	27.13	1318.63	0.00	0.00	4992.16	4335.82	0.00	3354.76	2064.47	128.59
125+59.00	7.32	7.33	405.16	0.00	0.00	18.34	16.01	900.43	0.00	0.00	5010.50	5461.37	0.00	3354.76	2064.47	-994.62
126+00.00	0.00	7.33	405.89	0.00	0.00	5.56	11.12	615.80	0.00	0.00	5016.06	6231.12	0.00	3354.76	2064.47	-1769.94
127+00.00	0.00	7.33	457.83	0.00	0.00	0.00	27.13	1599.49	0.00	0.00	5016.06	8230.49	0.00	3354.76	2064.47	-3796.44
127+65.00	0.00	7.33	449.85	0.00	0.00	0.00	17.64	1092.59	0.00	0.00	5016.06	9596.22	0.00	3354.76	2064.47	-5179.81
128+00.00	0.00	7.33	460.11	0.00	0.00	0.00	9.50	589.79	0.00	0.00	5016.06	10333.46	0.00	3354.76	2064.47	-5926.55
129+00.00	0.00	7.33	354.85	0.00	0.00	0.00	27.13	1509.17	0.00	0.00	5016.06	12219.92	0.00	3354.76	2064.47	-7840.14
129+65.00	1.82	7.33	197.26	0.00	0.00	2.19	17.64	664.58	0.00	0.00	5018.25	13050.64	0.00	3354.76	2064.47	-8686.31
130+00.00	3.55	7.33	101.21	0.00	0.00	3.48	9.50	193.46	0.00	0.00	5021.73	13292.46	0.00	3354.76	2064.47	-8934.14
130+25.00	17.29	7.33	66.27	0.00	0.00	9.65	6.78	77.54	0.00	0.00	5031.38	13389.38	0.00	3354.76	2064.47	-9028.20
130+69.54	0.00	7.33	28.67	0.00	0.00	14.26	12.08	78.30	0.00	0.00	5045.64	13487.26	0.00	3354.76	2064.47	-9123.90
131+00.00	2.91	7.33	11.34	0.00	0.00	1.64	8.27	22.57	0.00	0.00	5047.28	13515.47	0.00	3354.76	2064.47	-9158.73
131+88.00	67.03	7.33	8.58	0.00	0.00	113.98	23.88	32.46	0.00	0.00	5161.26	13556.04	0.00	3354.76	2064.47	-9109.20
132+00.00	66.29	7.33	8.54	0.00	0.00	29.63	3.26	3.80	0.00	0.00	5190.89	13560.80	0.00	3354.76	2064.47	-9087.59
132+75.00	132.76	7.33	6.24	0.00	0.00	276.47	20.35	20.52	0.00	0.00	5467.36	13586.45	0.00	3354.76	2064.47	-8857.12
133+00.00	114.65	7.33	7.57	0.00	0.00	114.54	6.78	6.39	0.00	0.00	5581.89	13594.44	0.00	3354.76	2064.47	-8757.36
134+00.00	79.30	7.33	11.83	0.00	0.00	359.17	27.13	35.92	0.00	0.00	5941.06	13639.35	0.00	3354.76	2064.47	-8470.23

EARTHWORK DATA - CTH II																
STATION	AREA (SF)					INCR. VOL (CY)					CUMULATIVE VOL (CY)					MASS ORDINATE
	CUT	UNUSABLE PVMT MAT.	FILL	ROCK EXC	EBS	CUT	UNUSABLE PVMT MAT.	FILL	ROCK EXC	EBS	CUT 1.00	EXP. FILL 1.25	EXPANDED ROCK 1.10	EXP. EBS BACKFILL 1.30	REDUCED EBS IN FILL 0.80	
135+00.00	94.51	7.33	5.18	0.00	0.00	321.87	27.13	31.49	0.00	0.00	6262.93	13678.71	0.00	3354.76	2064.47	-8214.86
135+18.00	86.12	7.33	5.25	0.00	0.00	60.21	4.88	3.48	0.00	0.00	6323.14	13683.05	0.00	3354.76	2064.47	-8163.87
136+00.00	86.08	7.33	6.15	0.00	0.00	261.48	22.25	17.30	0.00	0.00	6584.62	13704.68	0.00	3354.76	2064.47	-7946.27
136+69.00	210.17	7.33	0.00	0.00	0.00	378.54	18.72	7.85	0.00	0.00	6963.16	13714.50	0.00	3354.76	2064.47	-7596.27
137+00.00	174.21	7.33	0.03	0.00	0.00	220.66	8.41	0.02	0.00	0.00	7183.82	13714.52	0.00	3354.76	2064.47	-7384.05
138+00.00	196.33	7.33	0.00	0.00	0.00	686.19	27.13	0.05	0.00	0.00	7870.00	13714.59	0.00	3354.76	2064.47	-6725.06
138+45.00	237.60	7.33	0.00	0.00	0.00	361.61	12.21	0.00	0.00	0.00	8231.61	13714.59	0.00	3354.76	2064.47	-6375.67
139+00.00	158.77	7.33	0.00	0.00	0.00	403.71	14.92	0.00	0.00	0.00	8635.32	13714.59	0.00	3354.76	2064.47	-5986.88
139+17.85	173.33	7.33	0.00	0.00	0.00	109.79	4.84	0.00	0.00	0.00	8745.11	13714.59	0.00	3354.76	2064.47	-5881.94
140+00.00	181.27	7.33	0.00	0.00	0.00	539.43	22.29	0.00	0.00	0.00	9284.54	13714.59	0.00	3354.76	2064.47	-5364.80
140+09.00	177.85	7.33	0.00	0.00	0.00	59.85	2.44	0.00	0.00	0.00	9344.39	13714.59	0.00	3354.76	2064.47	-5307.38
141+00.00	165.39	7.33	2.73	0.00	0.00	578.43	24.69	4.59	0.00	0.00	9922.82	13720.34	0.00	3354.76	2064.47	-4759.39
142+00.00	114.89	7.33	18.09	0.00	0.00	519.04	27.13	38.55	0.00	0.00	10441.86	13768.52	0.00	3354.76	2064.47	-4315.67
143+00.00	110.17	7.33	235.28	0.00	0.00	416.77	27.13	469.21	0.00	0.00	10858.63	14355.03	0.00	3354.76	2064.47	-4512.54
144+00.00	38.23	7.33	514.88	0.00	0.00	274.82	27.13	1389.19	0.00	0.00	11133.45	16091.52	0.00	3354.76	2064.47	-6001.34
145+00.00	0.23	7.33	624.57	0.00	0.00	71.24	27.13	2110.09	0.00	0.00	11204.69	18729.12	0.00	3354.76	2064.47	-8594.85
146+00.00	0.01	7.33	627.76	0.00	0.00	0.45	27.13	2319.12	0.00	0.00	11205.13	21628.03	0.00	3354.76	2064.47	-11520.44
147+00.00	0.00	7.33	665.22	0.00	0.00	0.01	27.13	2394.41	0.00	0.00	11205.15	24621.05	0.00	3354.76	2064.47	-14540.58
148+00.00	0.00	7.33	646.47	0.00	0.00	0.00	27.13	2429.06	0.00	0.00	11205.15	27657.37	0.00	3354.76	2064.47	-17604.04
149+00.00	0.00	7.33	589.39	0.00	0.00	0.00	27.13	2288.63	0.00	0.00	11205.15	30518.16	0.00	3354.76	2064.47	-20491.96
150+00.00	0.00	7.33	493.19	0.00	0.00	0.00	27.13	2004.77	0.00	0.00	11205.15	33024.12	0.00	3354.76	2064.47	-23025.05
151+00.00	0.00	7.33	388.03	0.00	0.00	0.00	27.13	1631.88	0.00	0.00	11205.15	35063.98	0.00	3354.76	2064.47	-25092.04
151+86.00	0.00	7.33	161.90	0.00	0.00	0.00	23.33	875.82	0.00	0.00	11205.15	36158.75	0.00	3354.76	2064.47	-26210.15
152+00.00	0.00	7.33	138.92	0.00	0.00	0.00	3.80	77.99	0.00	0.00	11205.15	36256.24	0.00	3354.76	2064.47	-26311.44
152+71.00	16.44	7.33	38.32	0.00	0.00	21.62	19.26	233.04	0.00	0.00	11226.77	36547.54	0.00	3354.76	2064.47	-26600.38
153+00.00	8.74	7.33	70.33	0.00	0.00	13.53	7.87	58.35	0.00	0.00	11240.29	36620.47	0.00	3354.76	2064.47	-26667.65
154+00.00	13.26	7.33	66.74	0.00	0.00	40.76	27.13	253.83	0.00	0.00	11281.05	36937.75	0.00	3354.76	2064.47	-26971.31
155+00.00	12.09	7.33	59.87	0.00	0.00	46.95	27.13	234.46	0.00	0.00	11328.00	37230.83	0.00	3354.76	2064.47	-27244.58
156+00.00	14.45	7.33	43.46	0.00	0.00	49.15	27.13	191.36	0.00	0.00	11377.15	37470.03	0.00	3354.76	2064.47	-27461.76
157+00.00	19.72	7.33	31.95	0.00	0.00	63.28	27.13	139.66	0.00	0.00	11440.43	37644.61	0.00	3354.76	2064.47	-27600.19
158+00.00	23.91	7.33	48.76	0.00	0.00	80.80	27.13	149.48	0.00	0.00	11521.23	37831.46	0.00	3354.76	2064.47	-27733.38
158+87.00	44.17	7.33	7.44	0.00	0.00	109.69	23.61	90.54	0.00	0.00	11630.92	37944.64	0.00	3354.76	2064.47	-27760.47
158+92.00	49.81	7.33	17.17	0.00	0.00	8.70	1.36	2.28	0.00	0.00	11639.62	37947.49	0.00	3354.76	2064.47	-27755.97
159+00.00	39.47	7.33	46.00	0.00	0.00	13.23	2.17	9.36	0.00	0.00	11652.84	37959.19	0.00	3354.76	2064.47	-27756.62
159+65.00	0.00	7.33	138.33	0.00	0.00	47.51	17.64	221.88	0.00	0.00	11700.35	38236.53	0.00	3354.76	2064.47	-28004.10
160+00.00	0.00	7.33	172.55	0.00	0.00	0.00	9.50	201.50	0.00	0.00	11700.35	38488.40	0.00	3354.76	2064.47	-28265.46
161+00.00	0.00	7.33	368.22	0.00	0.00	0.00	27.13	1001.44	0.00	0.00	11700.35	39740.20	0.00	3354.76	2064.47	-29544.40
162+00.00	0.00	7.33	599.82	0.00	0.00	0.00	27.13	1792.68	0.00	0.00	11700.35	41981.05	0.00	3354.76	2064.47	-31812.38
163+00.00	0.00	7.33	722.23	0.00	0.00	0.00	27.13	2448.24	0.00	0.00	11700.35	45041.36	0.00	3354.76	2064.47	-34899.82
163+05.00	0.00	7.33	718.42	0.00	0.00	0.00	1.36	133.39	0.00	0.00	11700.35	45208.10	0.00	3354.76	2064.47	-35067.92
164+00.00	0.00	7.33	746.05	0.00	0.00	0.00	25.78	2576.39	0.00	0.00	11700.35	48428.58	0.00	3354.76	2064.47	-38314.18
165+00.00	3.38	7.33	584.77	0.00	0.00	6.25	27.13	2464.48	0.00	0.00	11706.60	51509.18	0.00	3354.76	2064.47	-41415.66
166+00.00	0.00	7.33	603.28	0.00	0.00	6.25	27.13	2200.09	0.00	0.00	11712.86	54259.29	0.00	3354.76	2064.47	-44186.65
166+50.00	35.63	7.33	384.64	0.00	0.00	32.99	13.57	914.74	0.00	0.00	11745.85	55402.72	0.00	3354.76	2064.47	-45310.65
167+00.00	143.51	7.33	154.26	0.00	0.00	165.87	13.57	498.98	0.00	0.00	11911.72	56026.44	0.00	3354.76	2064.47	-45782.07

EARTHWORK DATA - CTH II																
STATION	AREA (SF)					INCR. VOL (CY)					CUMULATIVE VOL (CY)					MASS ORDINATE
	CUT	UNUSABLE PVMT MAT.	FILL	ROCK EXC	EBS	CUT	UNUSABLE PVMT MAT.	FILL	ROCK EXC	EBS	CUT 1.00	EXP. FILL 1.25	EXPANDED ROCK 1.10	EXP. EBS BACKFILL 1.30	REDUCED EBS IN FILL 0.80	
168+00.00	608.01	7.33	0.00	0.00	0.00	1391.71	27.13	285.67	0.00	0.00	13303.43	56383.53	0.00	3354.76	2064.47	-44774.57
169+00.00	1778.34	7.33	0.00	270.11	0.00	4419.17	27.13	0.00	500.20	0.00	17722.60	55695.75	550.22	3354.76	2064.47	-39694.76
170+00.00	2981.56	7.33	0.00	440.41	0.00	8814.62	27.13	0.00	1315.78	0.00	26537.22	53886.55	1997.58	3354.76	2064.47	-29098.07
171+00.00	2795.40	7.33	0.00	366.18	0.00	10698.06	27.13	0.00	1493.68	0.00	37235.29	51832.73	3640.63	3354.76	2064.47	-16373.33
172+00.00	2678.40	7.33	0.00	353.56	0.00	10136.66	27.13	0.00	1332.84	0.00	47371.94	50000.08	5106.76	3354.76	2064.47	-4431.15
173+00.00	1848.54	7.33	0.00	401.48	0.00	8383.23	27.13	0.00	1398.22	0.00	55755.17	48077.52	6644.80	3354.76	2064.47	5847.50
173+50.00	2187.27	7.33	0.00	42.84	0.00	3736.86	13.57	0.00	411.41	0.00	59492.03	47511.84	7097.35	3354.76	2064.47	10136.48
174+00.00	1309.88	7.33	0.00	0.00	0.00	3238.09	13.57	0.00	39.67	0.00	62730.12	47457.29	7140.99	3354.76	2064.47	13415.55
175+00.00	187.76	7.33	15.69	0.00	0.00	2773.39	27.13	29.06	0.00	0.00	65503.51	47493.61	7140.99	3354.76	2064.47	16125.49
175+25.00	167.77	7.33	27.35	0.00	0.00	164.60	6.78	19.92	0.00	0.00	65668.11	47518.52	7140.99	3354.76	2064.47	16258.40
176+00.00	3.21	7.33	333.84	0.00	0.00	237.47	20.35	501.64	0.00	0.00	65905.58	48145.57	7140.99	3354.76	2064.47	15848.47
177+00.00	3.31	7.33	568.25	0.00	0.00	12.07	27.13	1670.53	0.00	0.00	65917.65	50233.74	7140.99	3354.76	2064.47	13745.24
178+00.00	16.60	7.33	510.55	0.00	0.00	36.87	27.13	1997.77	0.00	0.00	65954.52	52730.95	7140.99	3354.76	2064.47	11257.75
178+45.00	0.00	7.33	458.32	0.00	0.00	13.83	12.21	807.39	0.00	0.00	65968.35	53740.19	7140.99	3354.76	2064.47	10250.14
179+00.00	0.00	7.33	356.05	0.00	0.00	0.00	14.92	829.45	0.00	0.00	65968.35	54777.00	7140.99	3354.76	2064.47	9198.41
179+74.00	0.00	7.33	494.63	0.00	0.00	0.00	20.08	1165.75	0.00	0.00	65968.35	56234.19	7140.99	3354.76	2064.47	7721.14
180+00.00	0.00	7.33	456.23	0.00	0.00	0.00	7.05	457.82	0.00	0.00	65968.35	56806.47	7140.99	3354.76	2064.47	7141.81
181+00.00	0.00	7.33	350.48	0.00	0.00	0.00	27.13	1493.91	0.00	0.00	65968.35	58673.86	7140.99	3354.76	2064.47	5247.28
182+00.00	0.00	7.33	242.70	0.00	0.00	0.00	27.13	1098.48	0.00	0.00	65968.35	60046.96	7140.99	3354.76	2064.47	3847.05
183+00.00	10.44	7.33	138.91	0.00	0.00	19.34	27.13	706.69	0.00	0.00	65987.69	60930.32	7140.99	3354.76	2064.47	2955.89
183+67.13	0.00	0.00	0.00	0.00	0.00	12.98	9.11	172.69	0.00	0.00	66000.68	61146.18	7140.99	3354.76	2064.47	2743.91

- 1) COMMON EXCAVATION IS THE SUM OF THE CUT AND EBS EXCAVATION COLUMNS. ITEM NUMBER 205.0100
- 2) SALVAGED/UNSUALE PAVEMENT MATERIAL IS INCLUDED IN CUT AND DOES NOT SHOW UP IN CROSS SECTIONS.
- 3) FILL DOES NOT INCLUDE UNUSABLE PAVEMENT EXCAVATION VOLUME.
- 4) EBS EXCAVATION TO BE BACKFILLED WITH BACKFILL GRANULAR.
- 5) AVAILABLE MATERIAL = CUT - SALVAGED/UNUSUALE PAVEMENT MATERIAL
- 6) REDUCED EBS IN FILL - EXCAVATED EBS MATERIAL IS USUALE IN FILLS OUTSIDE THE 1:1 SLOPE. EBS IN FILL REDUCTION FACTOR = 0.8
- 7) EXPANDED EBS BACKFILL - THIS IS TO BE FILLED WITH BORROW MATERIAL. EBS BACKFILL FACTOR = 1.3. ITEM NUMBER 208.0100
- 8) EXPANDED ROCK FACTOR = 1.1
- 9) EXPANDED FILL FACTOR = 1.25
- 10) EXPANDED FILL = (UNEXPANDED FILL - ROCK* ROCK FACTOR - REDUCED EBS) * FILL FACTOR
- 11) 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.
- 12) USE BACKFILL GRANULAR TYPE 2

EARTHWORK DATA - CTH I

STATION	AREA (SF)		INCR. VOL (CY)		CUMULATIVE VOL (CY)		MASS ORDINATE
	CUT	FILL	CUT	FILL	CUT 1.00	EXP. FILL 1.25	
50+01.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00
50+50.00	5.54	20.28	4.98	18.24	4.98	22.81	-17.82
52+00.00	13.54	9.05	52.99	81.49	57.97	124.67	-66.70
52+50.00	34.35	0.00	44.34	8.38	102.30	135.14	-32.84
53+00.00	48.19	0.00	76.43	0.00	178.73	135.14	43.59
53+50.00	98.70	0.00	136.02	0.00	314.75	135.14	179.61
54+00.00	17.75	0.00	107.82	0.00	422.57	135.15	287.42

EARTHWORK DATA - GRAFF ROAD

STATION	AREA (SF)		INCR. VOL (CY)		CUMULATIVE VOL (CY)		MASS ORDINATE
	CUT	FILL	CUT	FILL	CUT 1.00	EXP. FILL 1.25	
30+18.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
30+50.00	127.94	2.49	75.82	1.48	75.82	1.84	73.97
31+00.00	94.00	0.00	205.50	2.31	281.32	4.73	276.59
31+44.80	0.00	0.00	77.98	0.00	359.30	4.73	354.58

EARTHWORK DATA - PEUSE ROAD

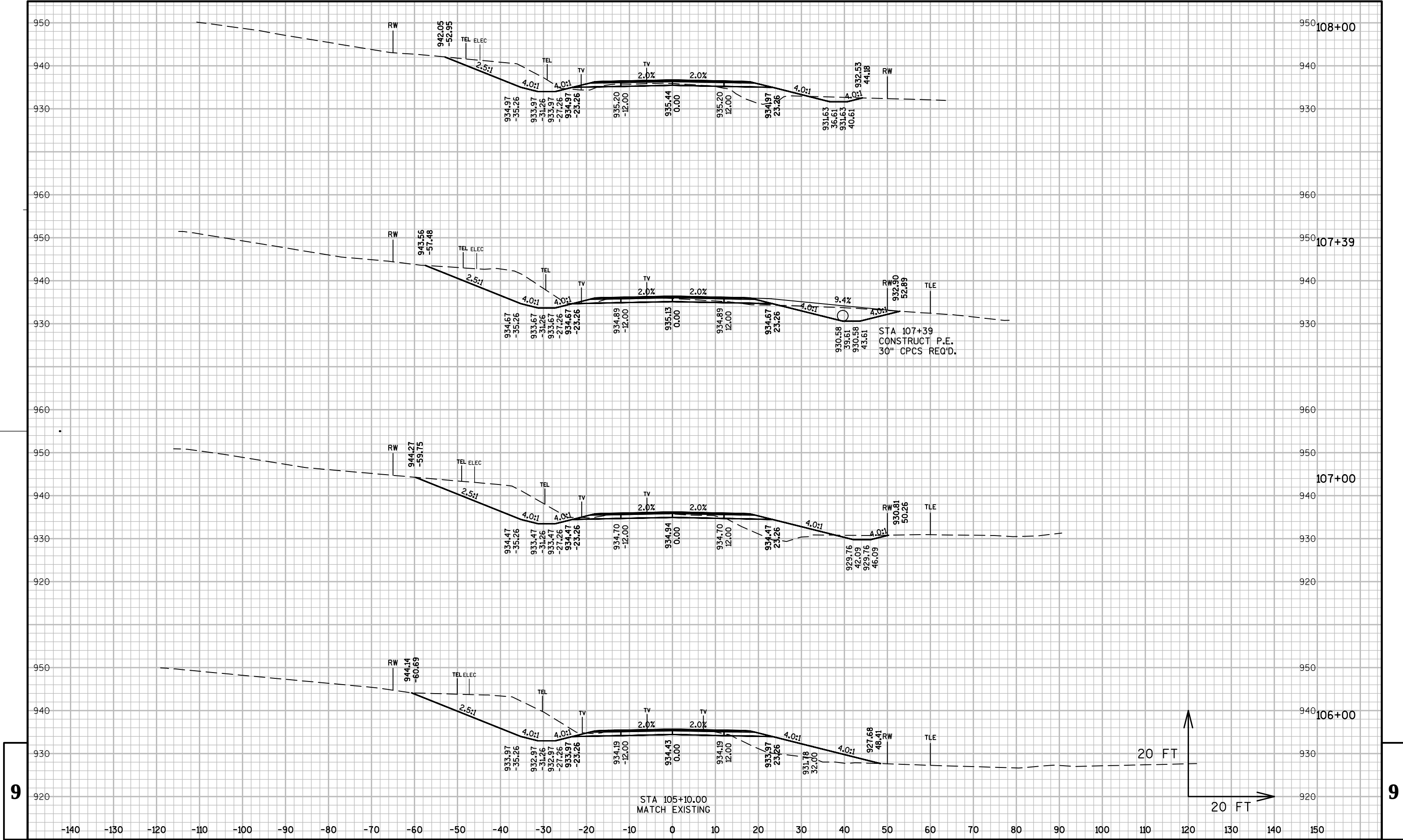
STATION	AREA (SF)		INCR. VOL (CY)		CUMULATIVE VOL (CY)		MASS ORDINATE
	CUT	FILL	CUT	FILL	CUT 1.00	EXP. FILL 1.25	
15+70.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
16+00.00	26.56	2.72	14.75	1.51	14.75	1.89	12.86
16+25.00	12.33	5.19	18.00	3.66	32.75	6.47	26.28
16+50.00	3.50	28.16	7.33	15.44	40.08	25.77	14.31
17+00.00	5.08	213.77	7.95	224.01	48.03	305.78	-257.75
17+50.00	3.04	323.60	7.53	497.56	55.56	927.74	-872.18
18+00.00	3.92	396.45	6.45	666.71	62.00	1761.12	-1699.12
18+50.00	2.39	377.61	5.85	716.72	67.85	2657.02	-2589.17
19+00.00	0.88	383.64	3.03	704.86	70.88	3538.10	-3467.22

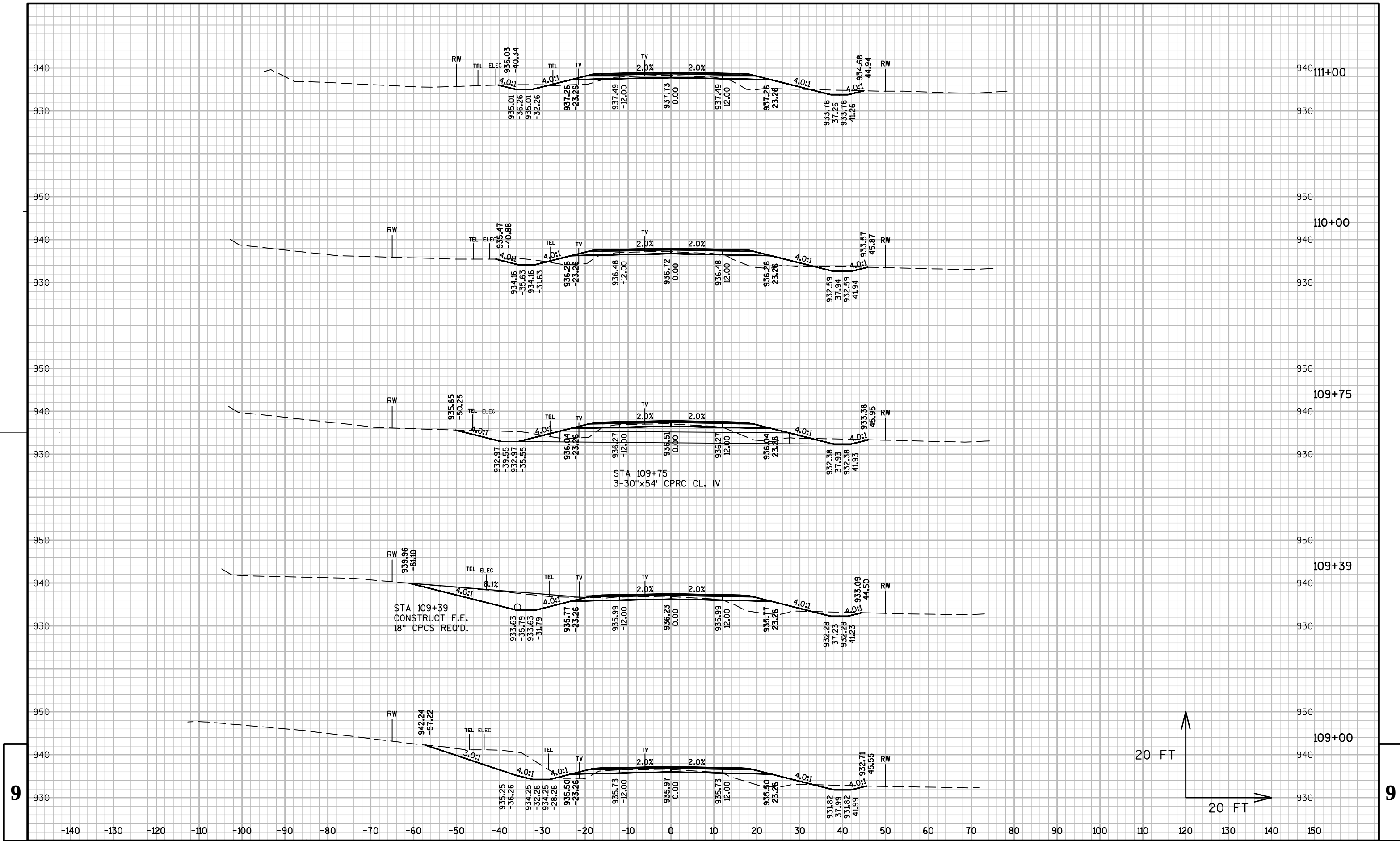
EARTHWORK DATA - TALMADGE ROAD

STATION	AREA (SF)		INCR. VOL (CY)		CUMULATIVE VOL (CY)		MASS ORDINATE
	CUT	FILL	CUT	FILL	CUT 1.00	EXP. FILL 1.25	
15+25.00	269.15	0.00	0.00	0.00	0.00	0.00	0.00
15+50.00	149.11	0.00	193.64	0.00	193.64	0.00	193.64
15+75.00	50.16	0.00	92.25	0.00	285.89	0.00	285.89
16+00.00	3.80	0.00	24.98	0.00	310.87	0.00	310.87

EARTHWORK DATA - TREE FARM

STATION	AREA (SF)		INCR. VOL (CY)		CUMULATIVE VOL (CY)		MASS ORDINATE
	CUT	FILL	CUT	FILL	CUT 1.00	EXP. FILL 1.25	
60+18.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
60+50.00	0.00	754.42	0.00	447.06	0.00	558.83	-558.83
61+00.00	0.00	472.20	0.00	1135.75	0.00	1978.52	-1978.52
61+11.00	0.00	387.44	0.00	175.11	0.00	2197.41	-2197.41
61+50.00	45.40	81.73	32.79	338.85	32.79	2620.98	-2588.19





PROJECT NO:7826-05-70

HWY: CTH II

COUNTY:EAU CLAIRE

CROSS SECTIONS: CTH II

SHEET

E

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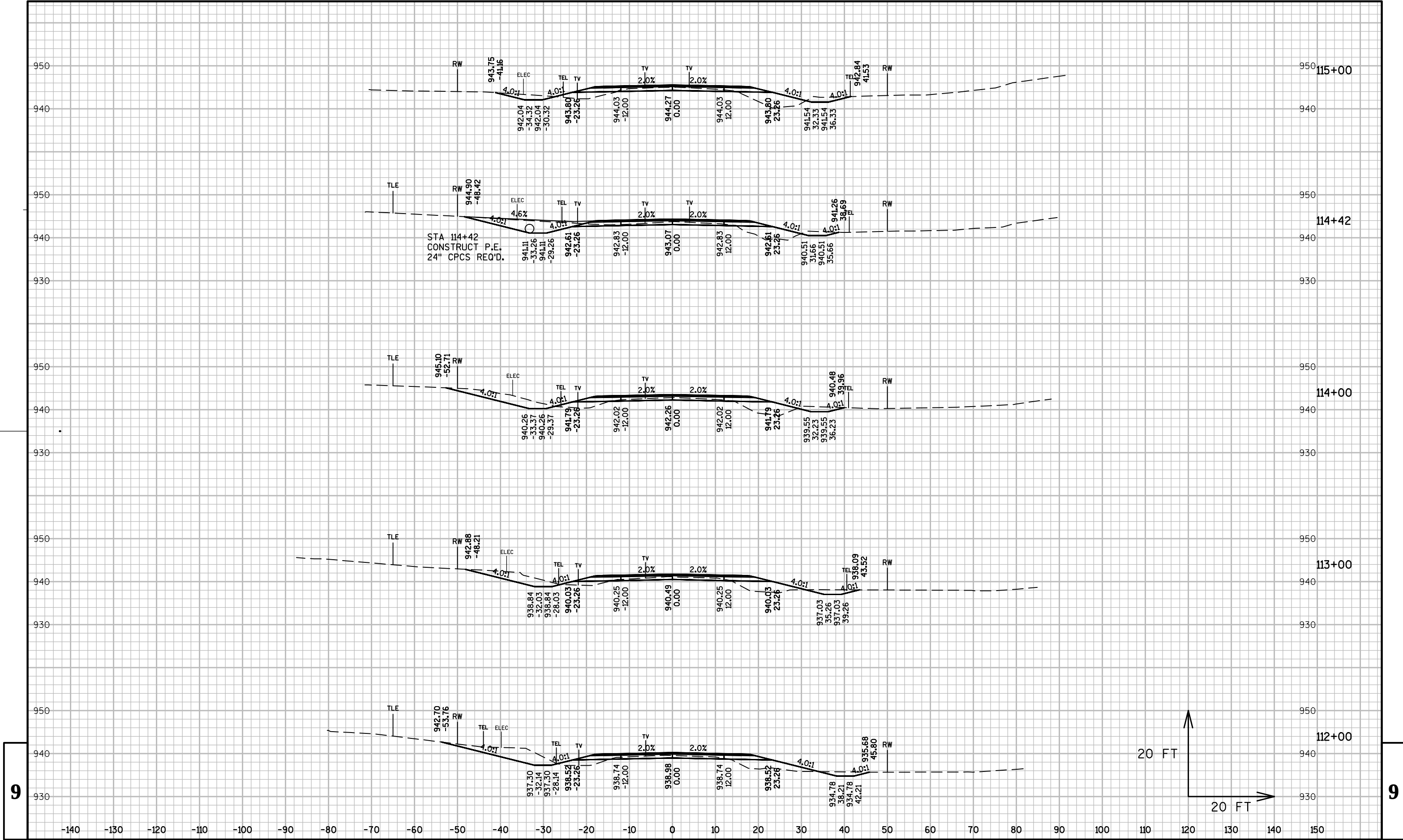
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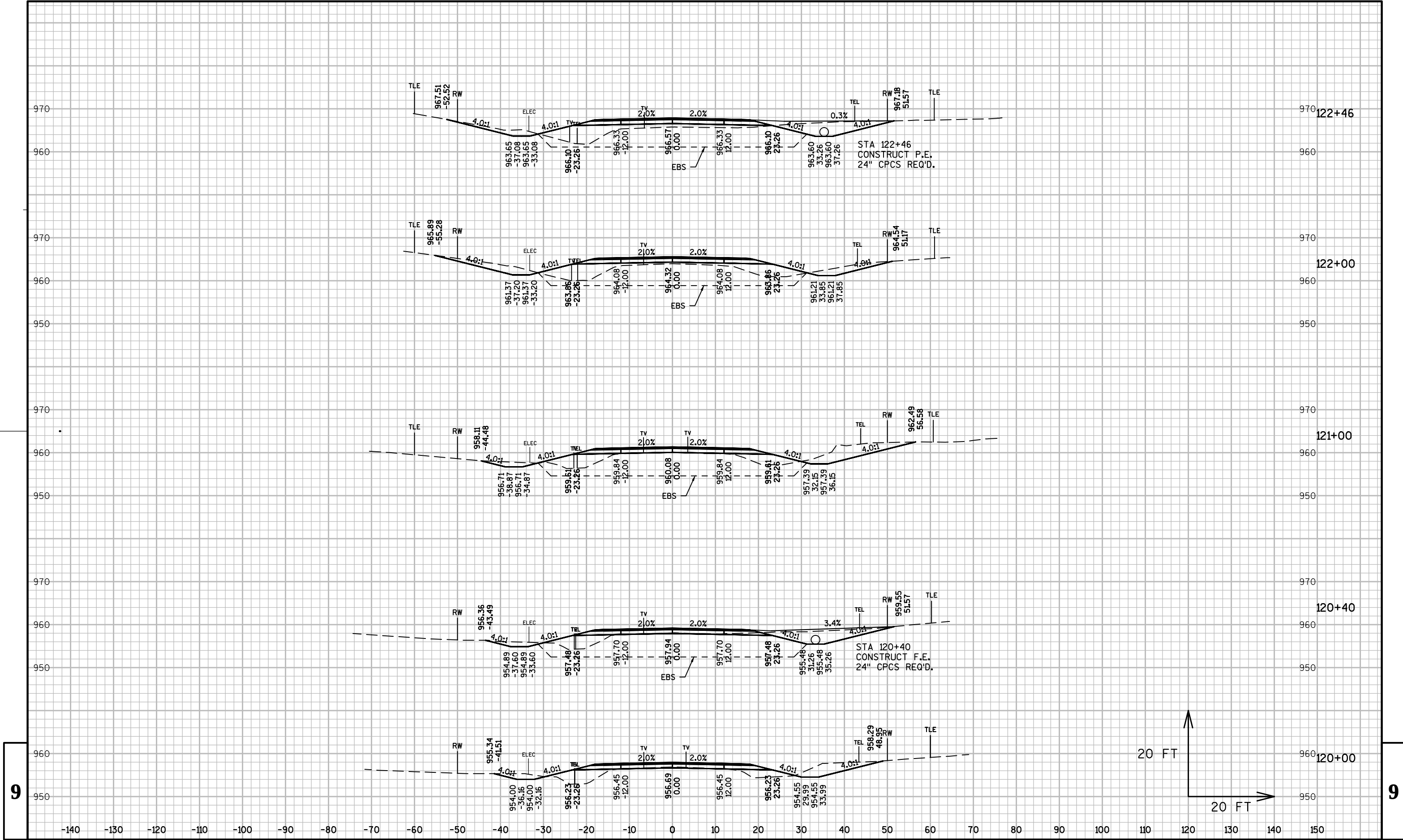
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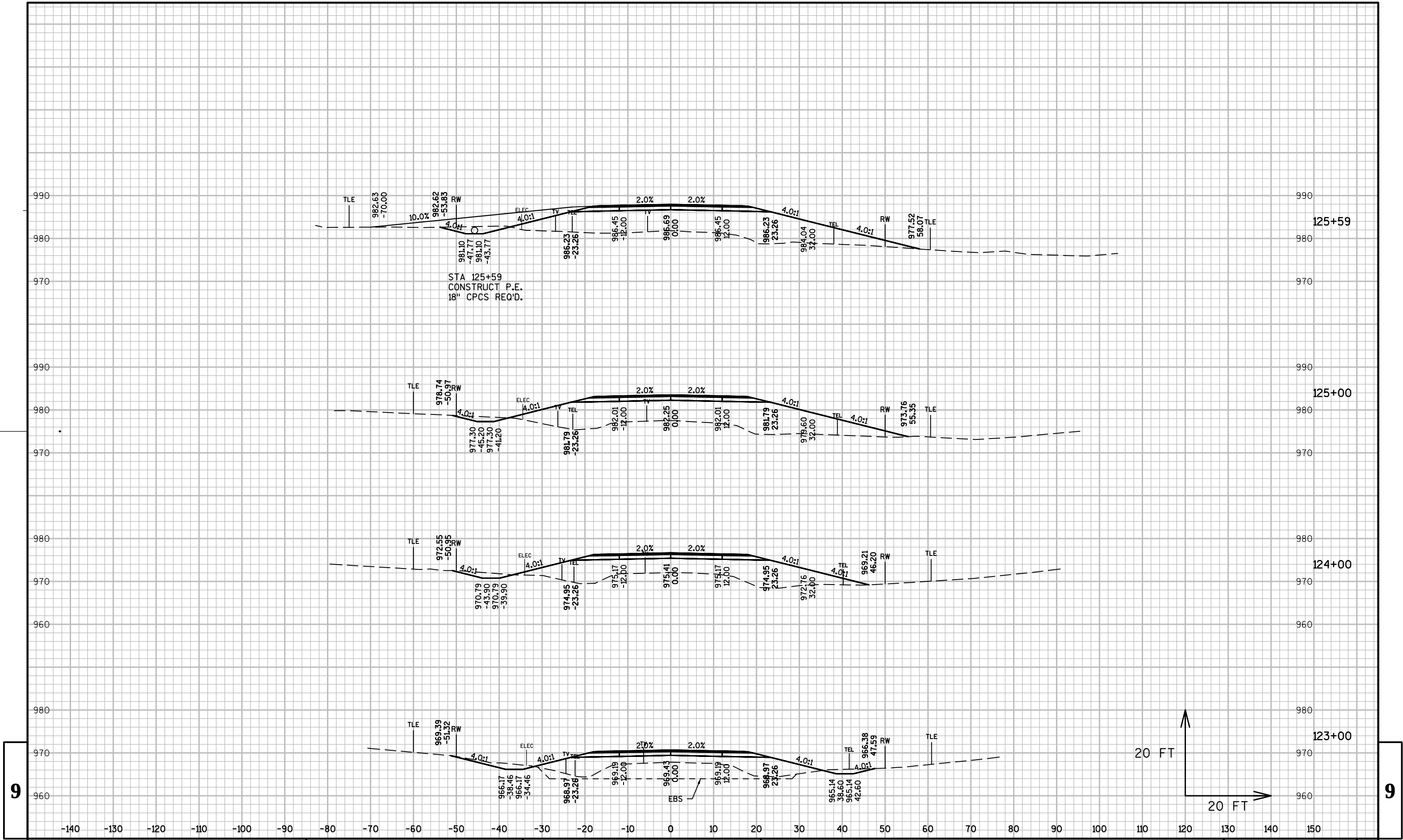
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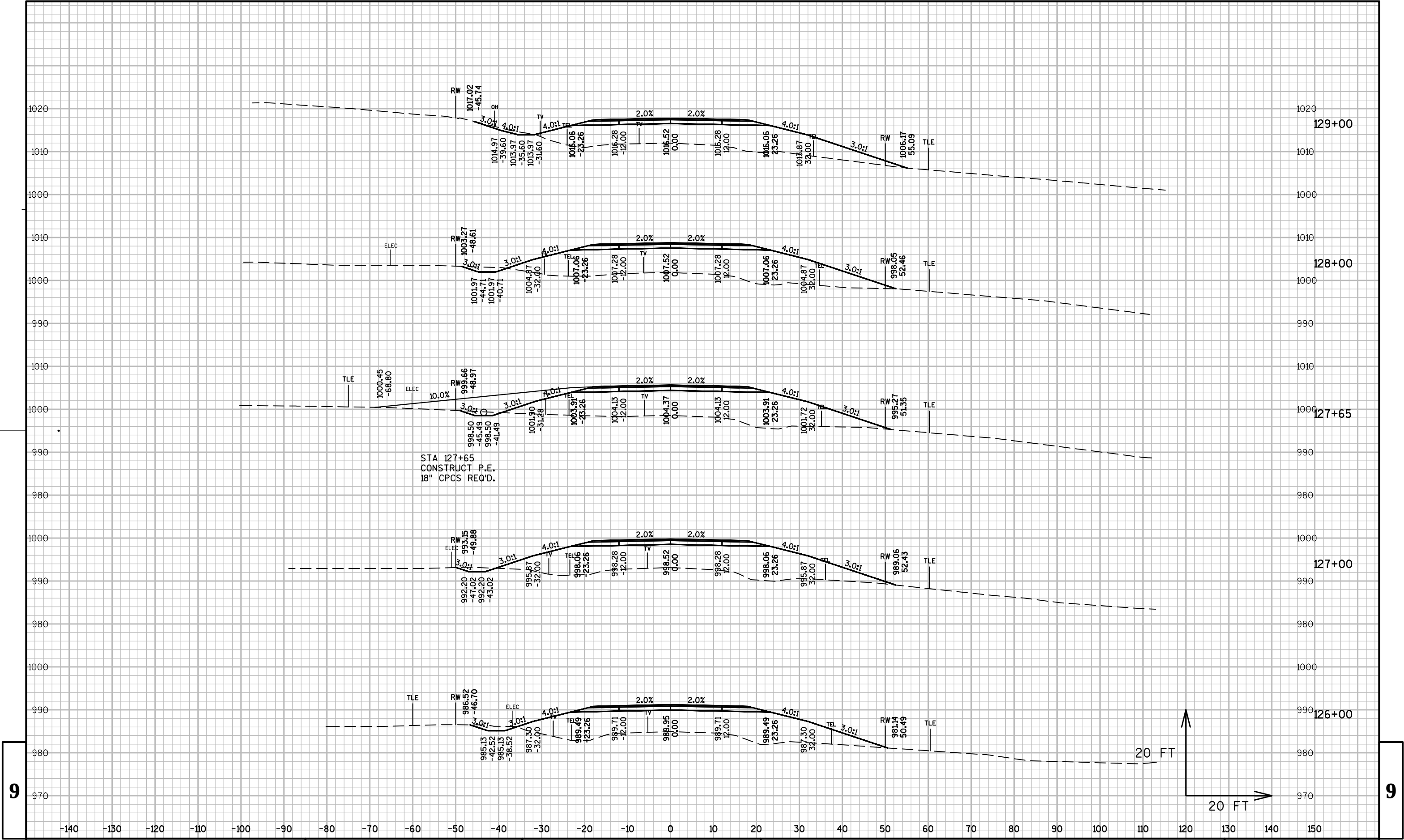
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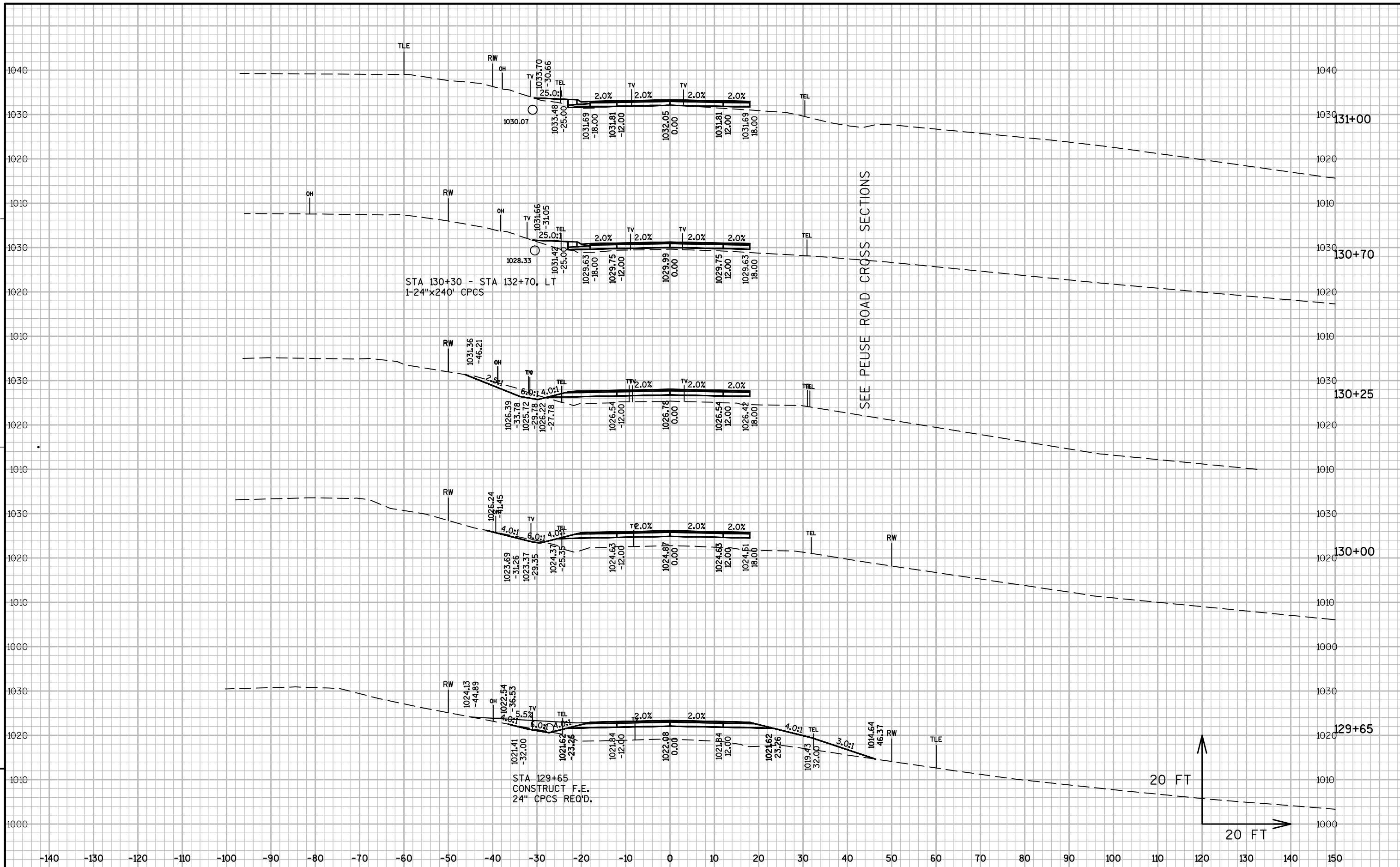
WISDOT/CADDs SHEET 49





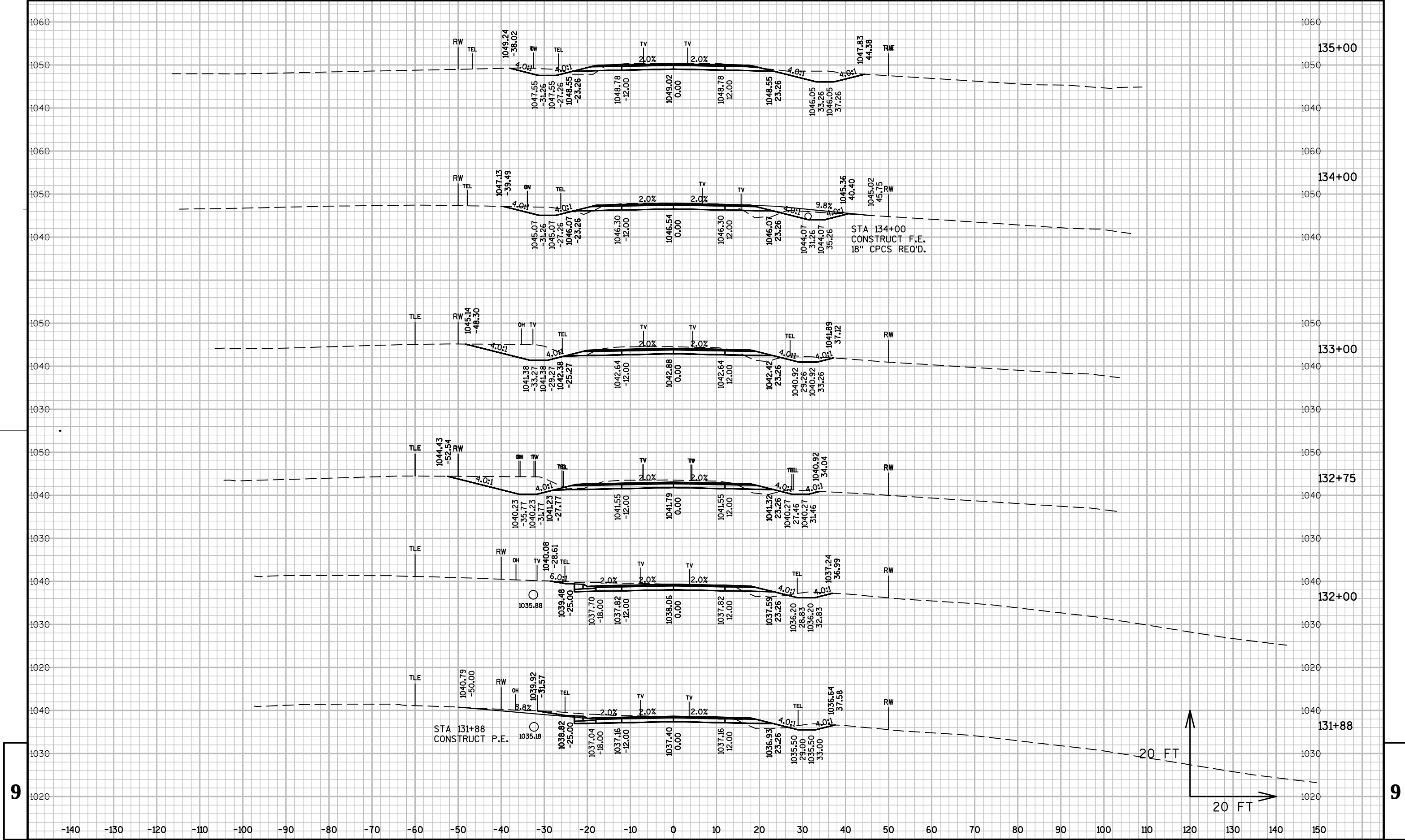


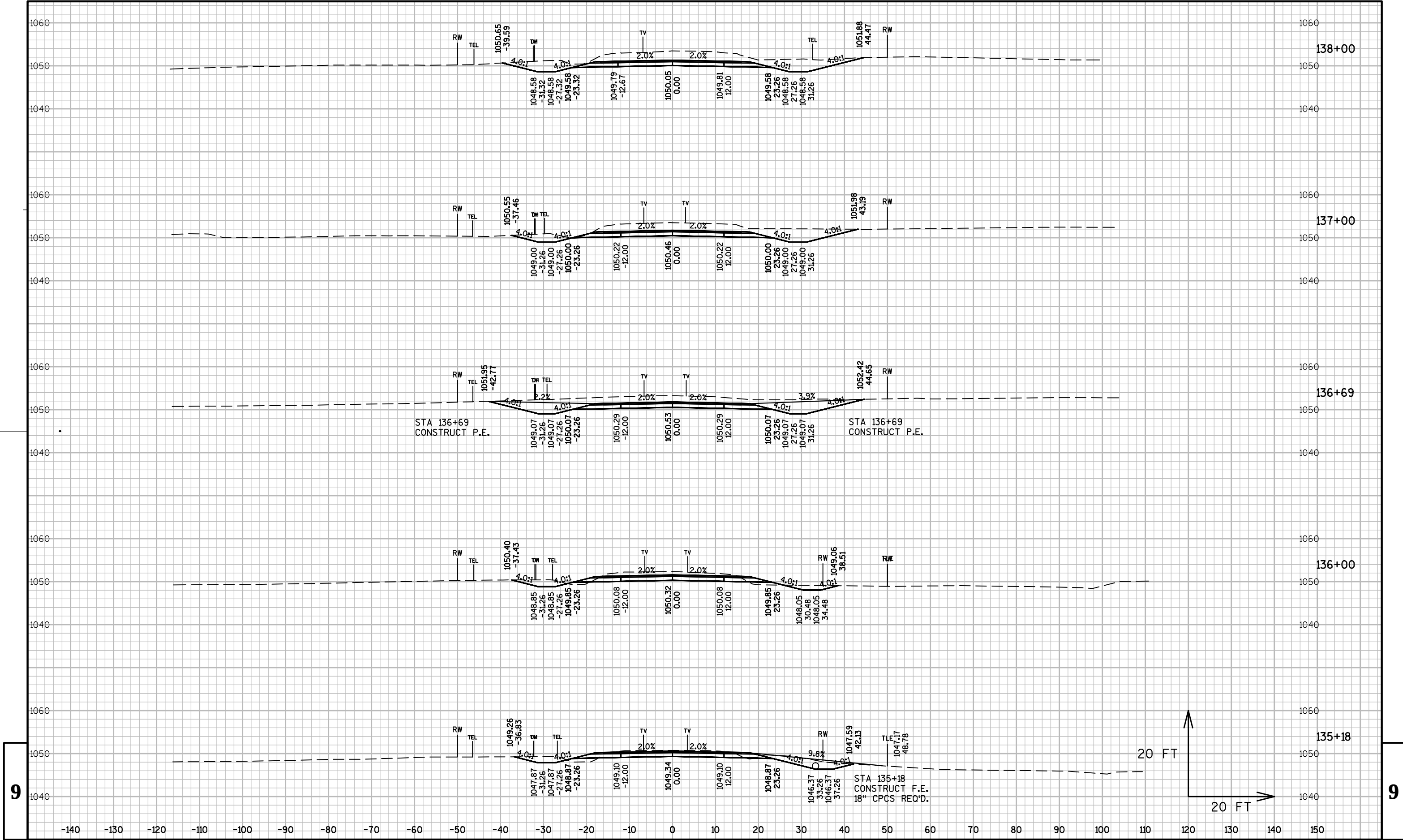


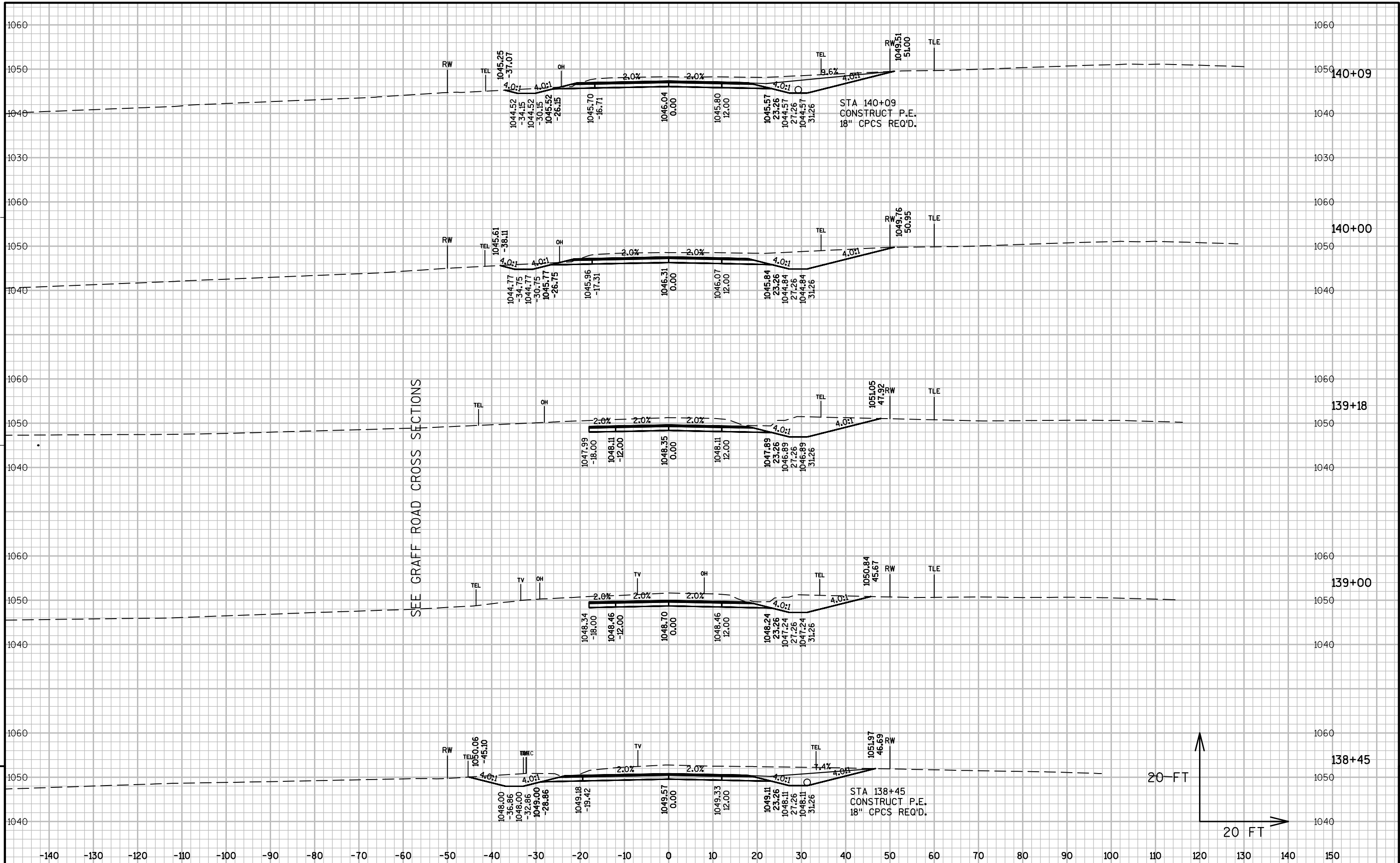


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PROJECT NO:7826-05-70

HWY: CTH II

COUNTY:EAU CLAIRE

CROSS SECTIONS: CTH II

SHEET

E

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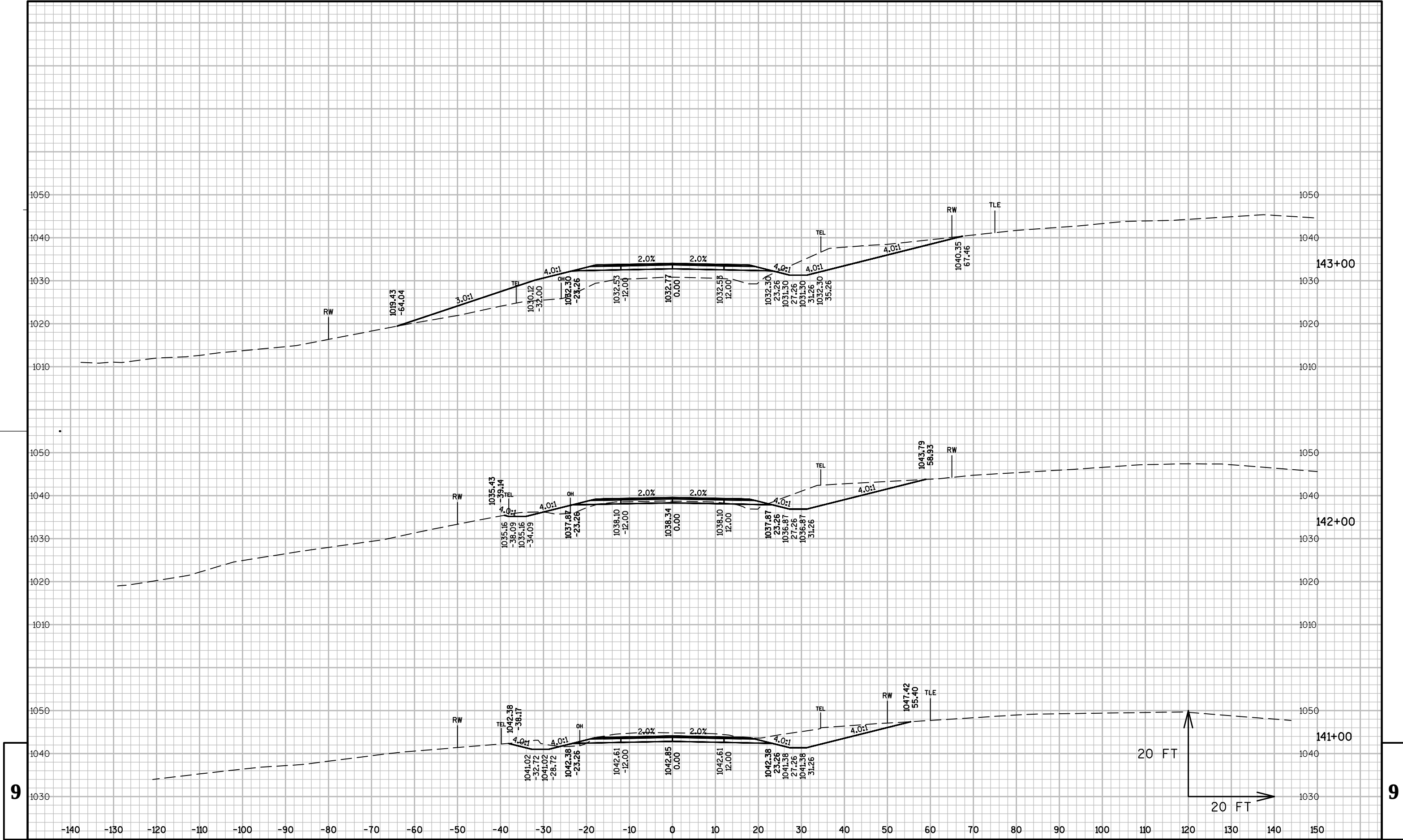
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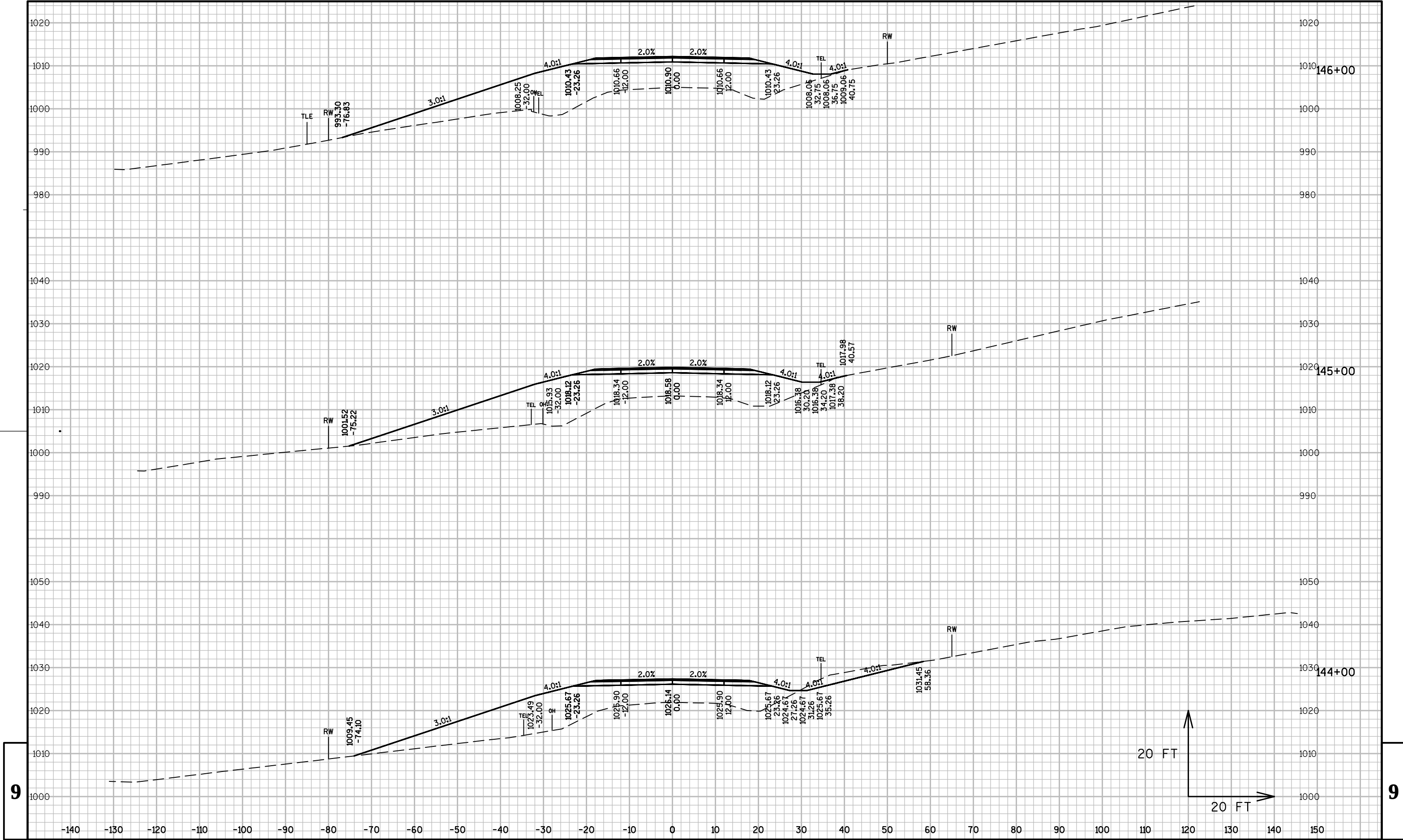
PLOT BY : GALLAGHER, JAMES

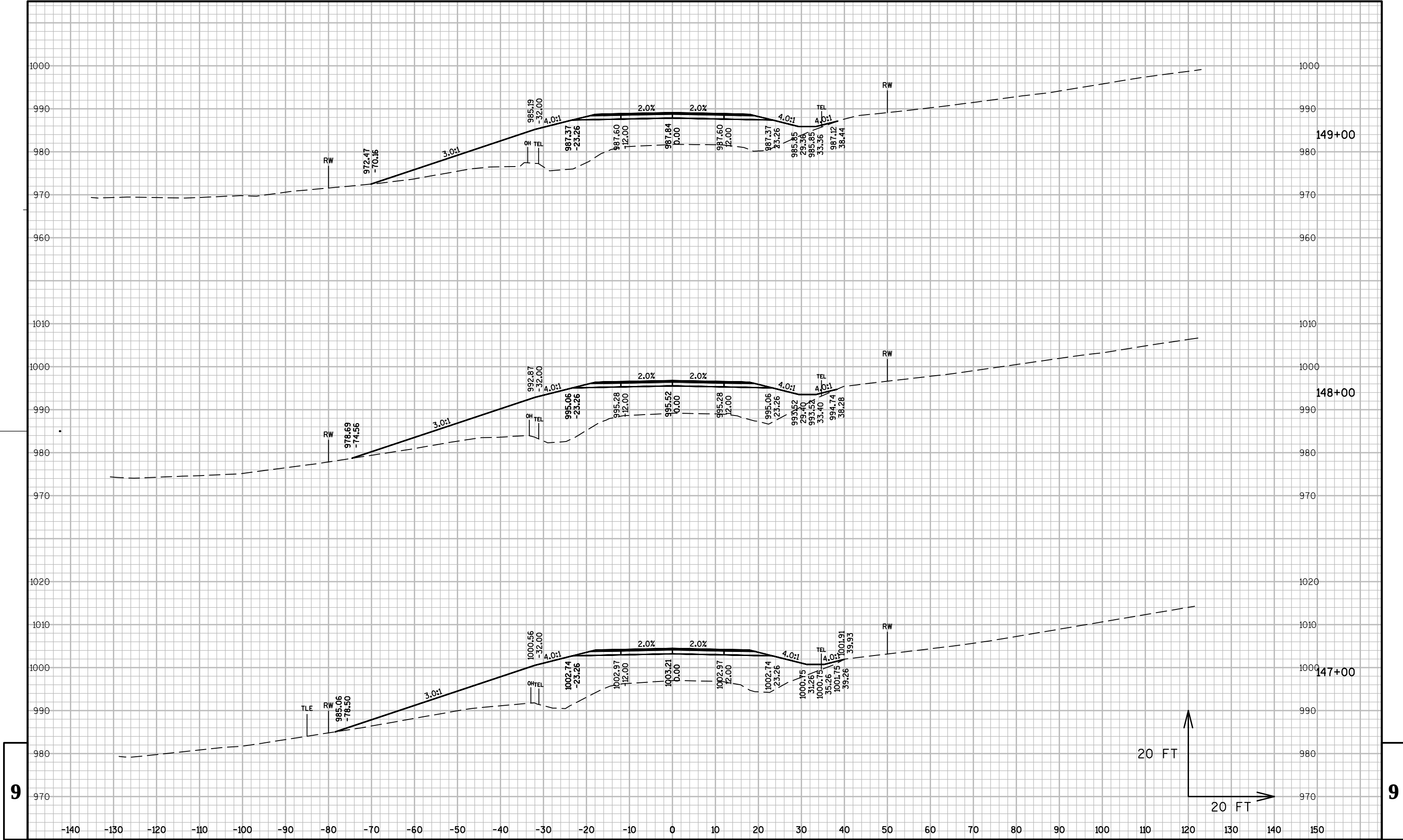
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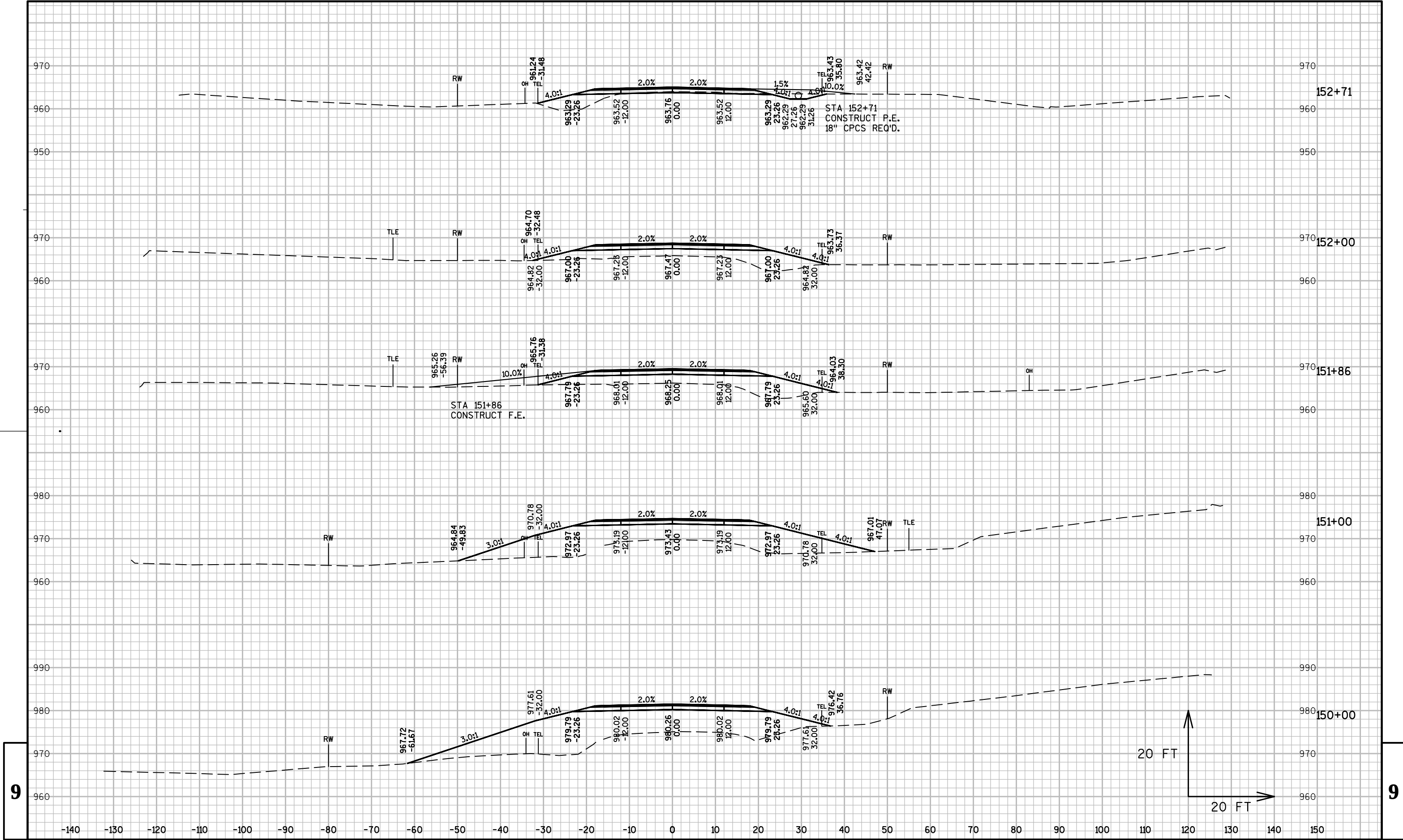
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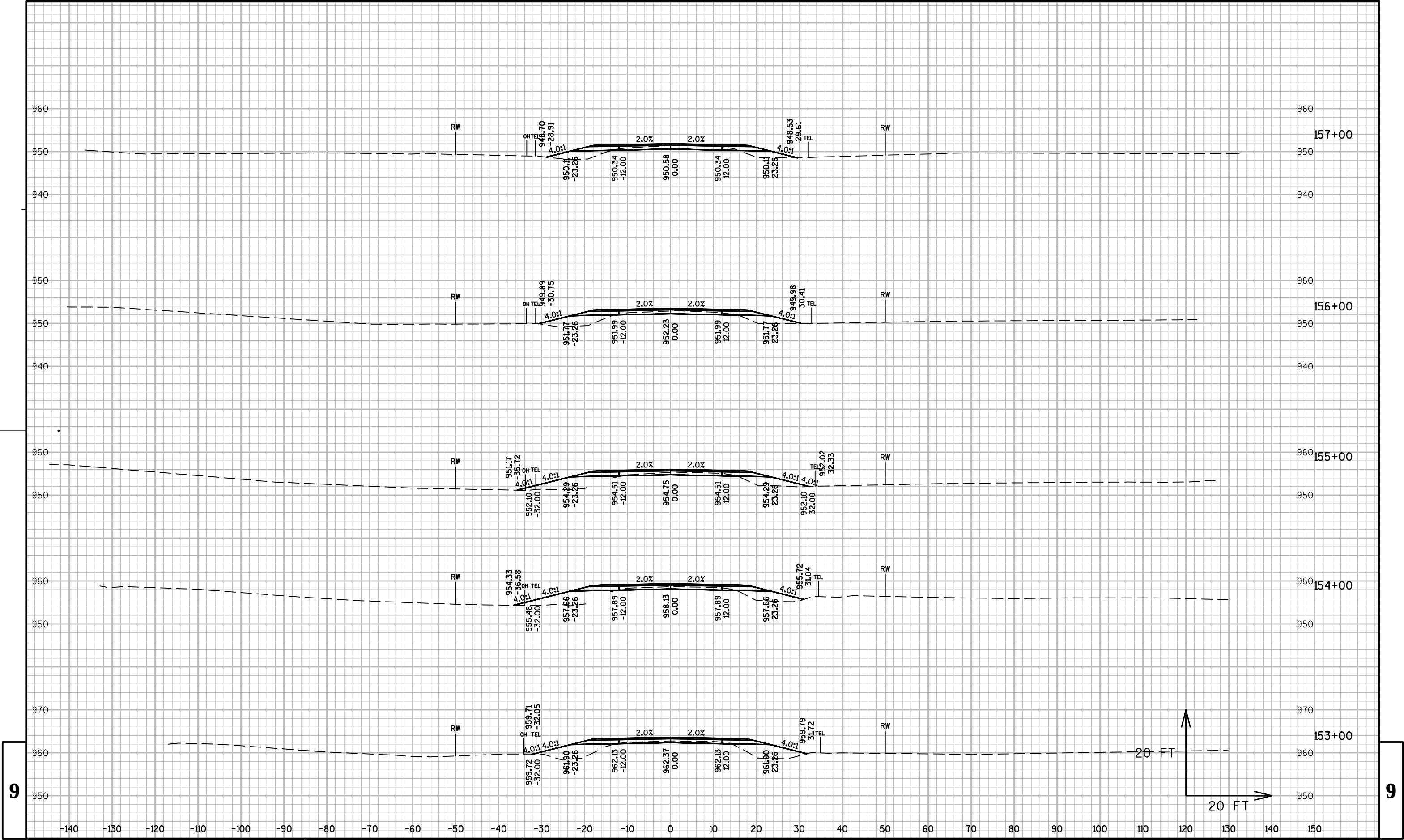
WISDOT/CADDs SHEET 49

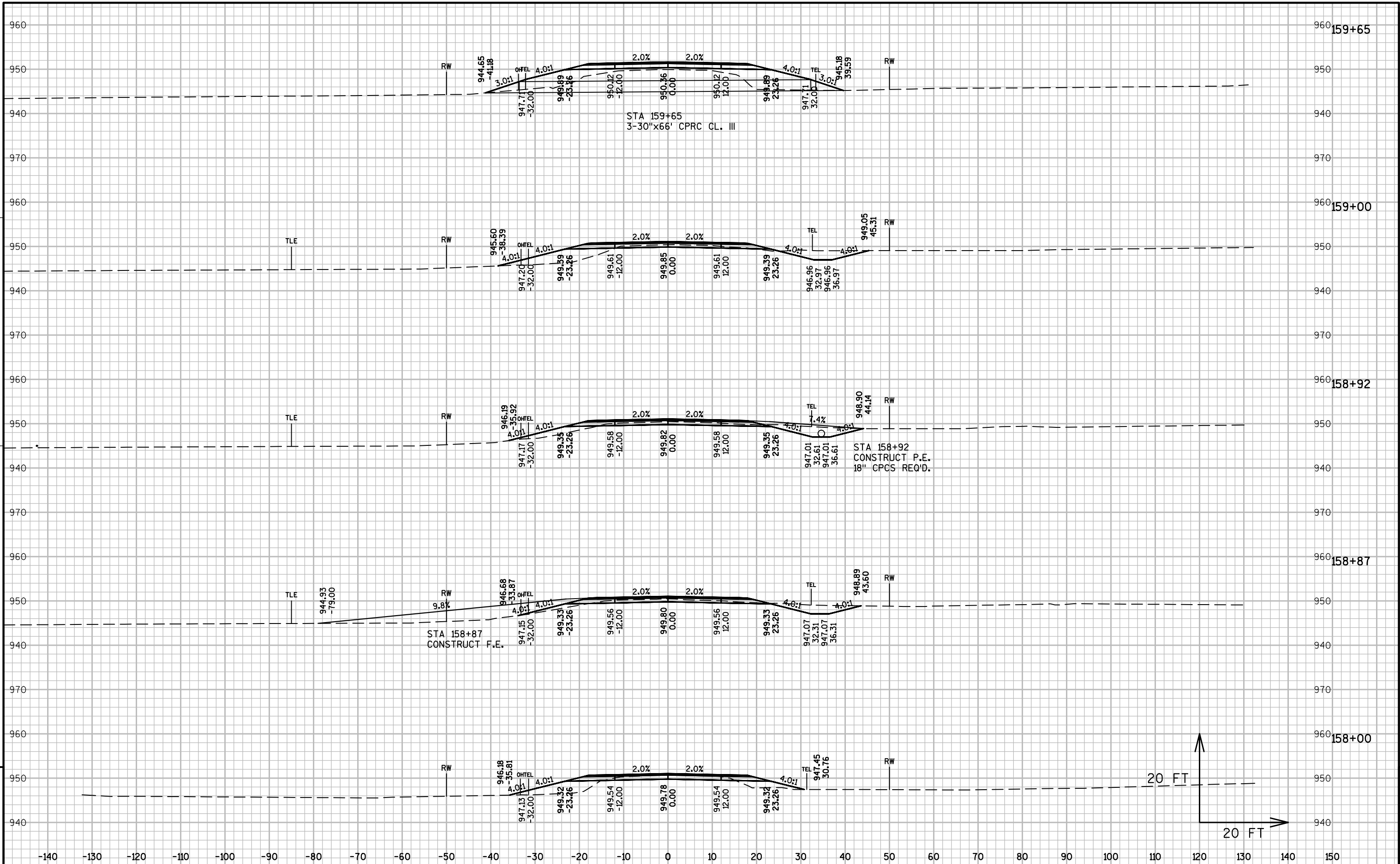


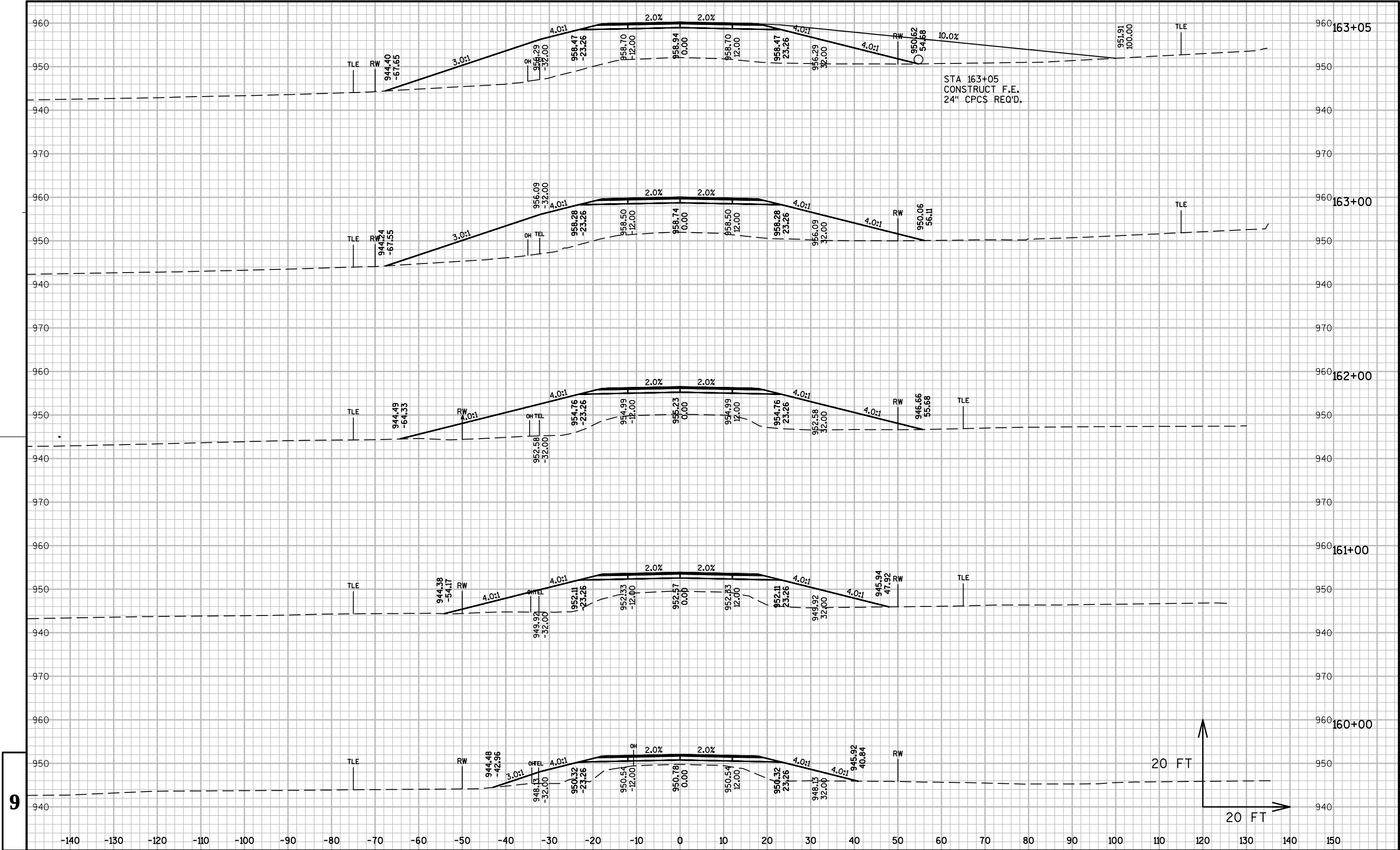












PROJECT NO:7826-05-70

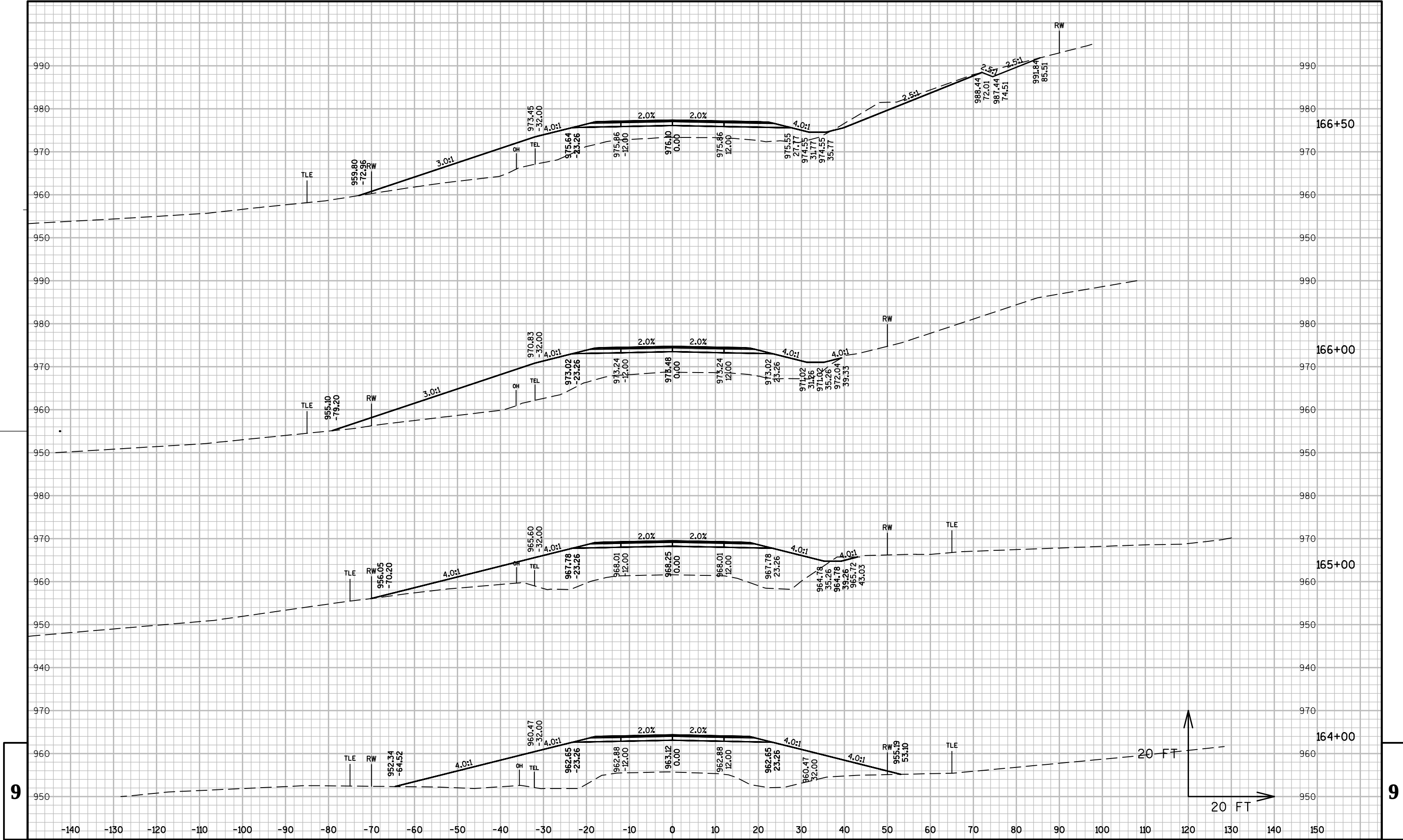
HWY: CTH II

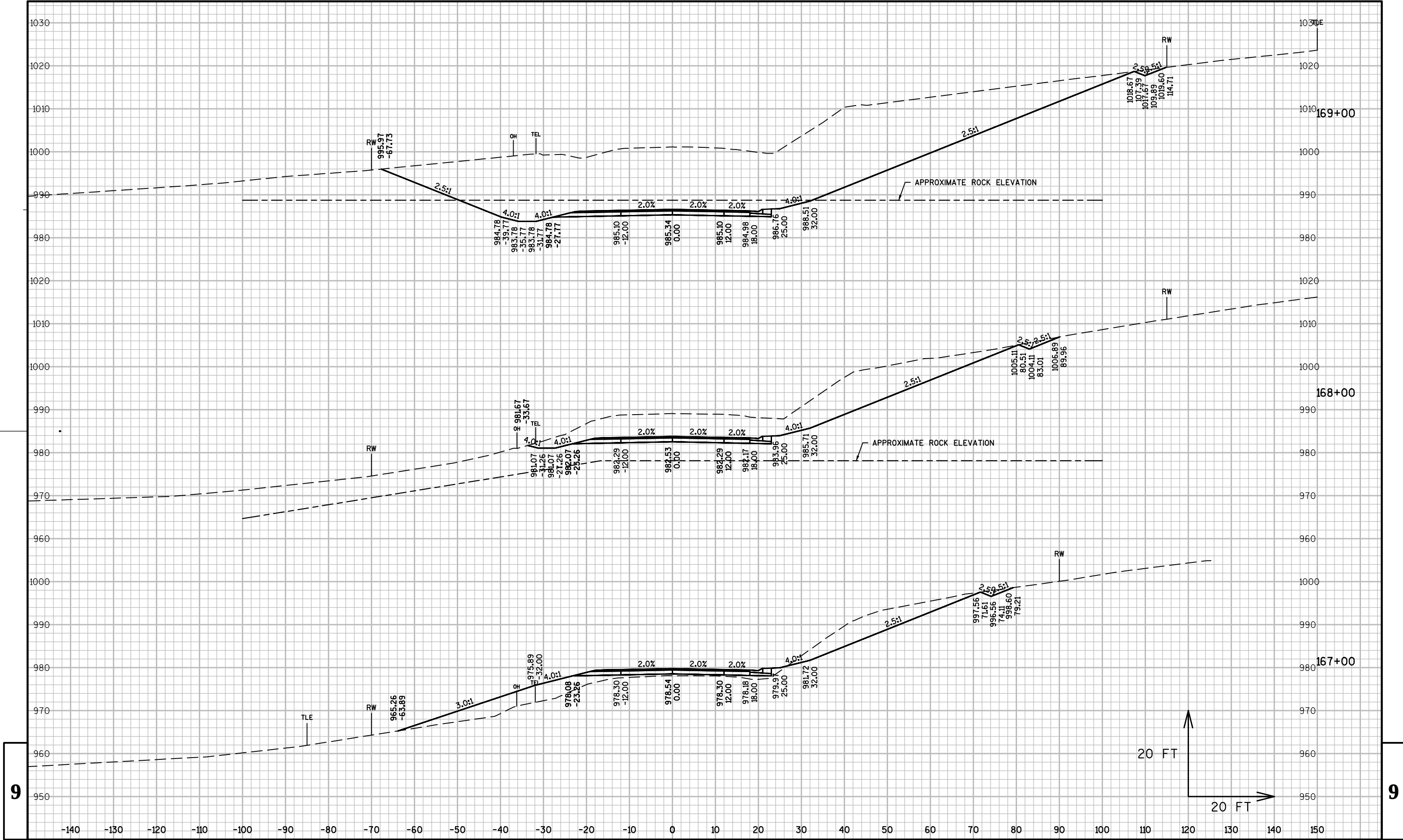
COUNTY:EAU CLAIRE

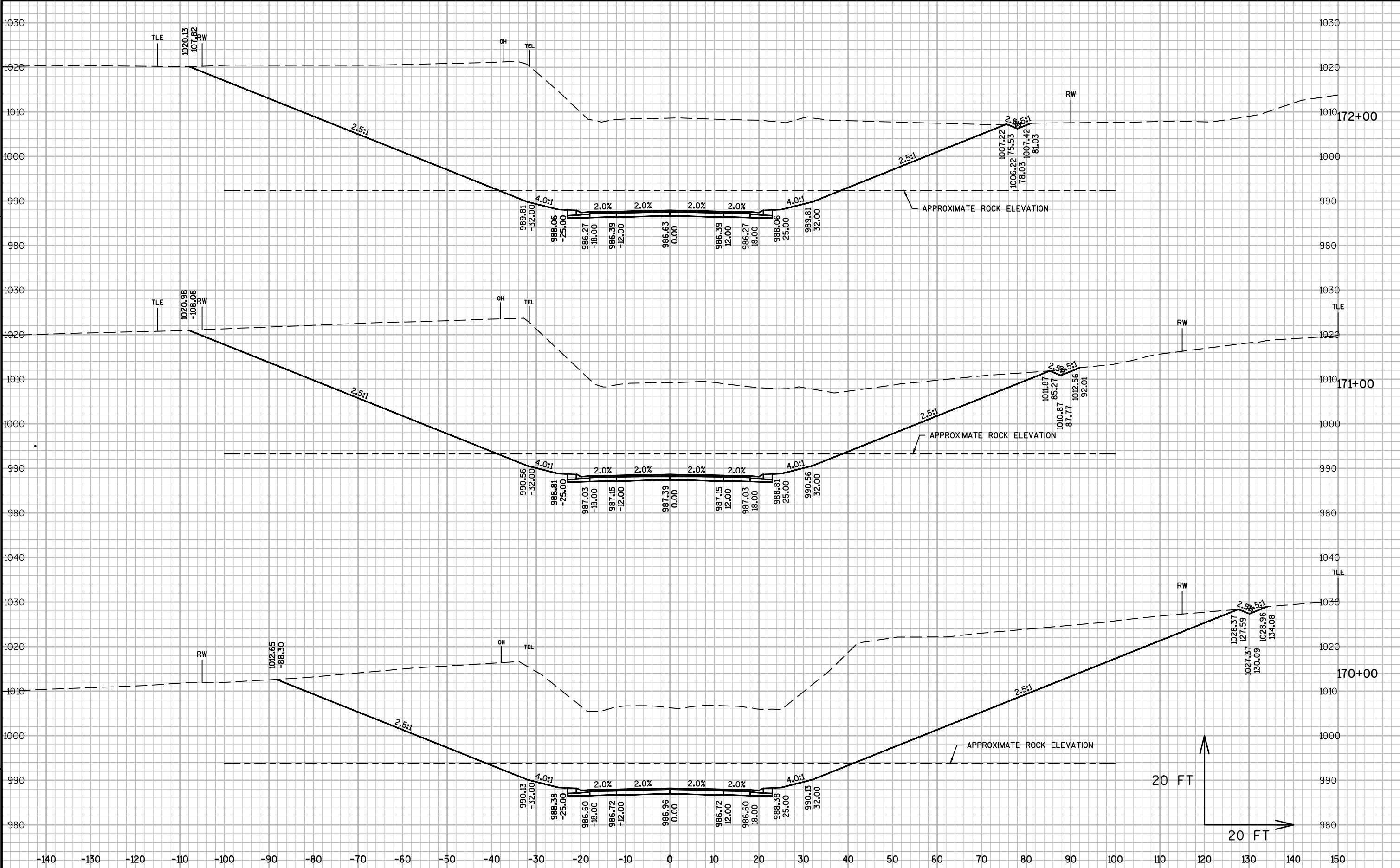
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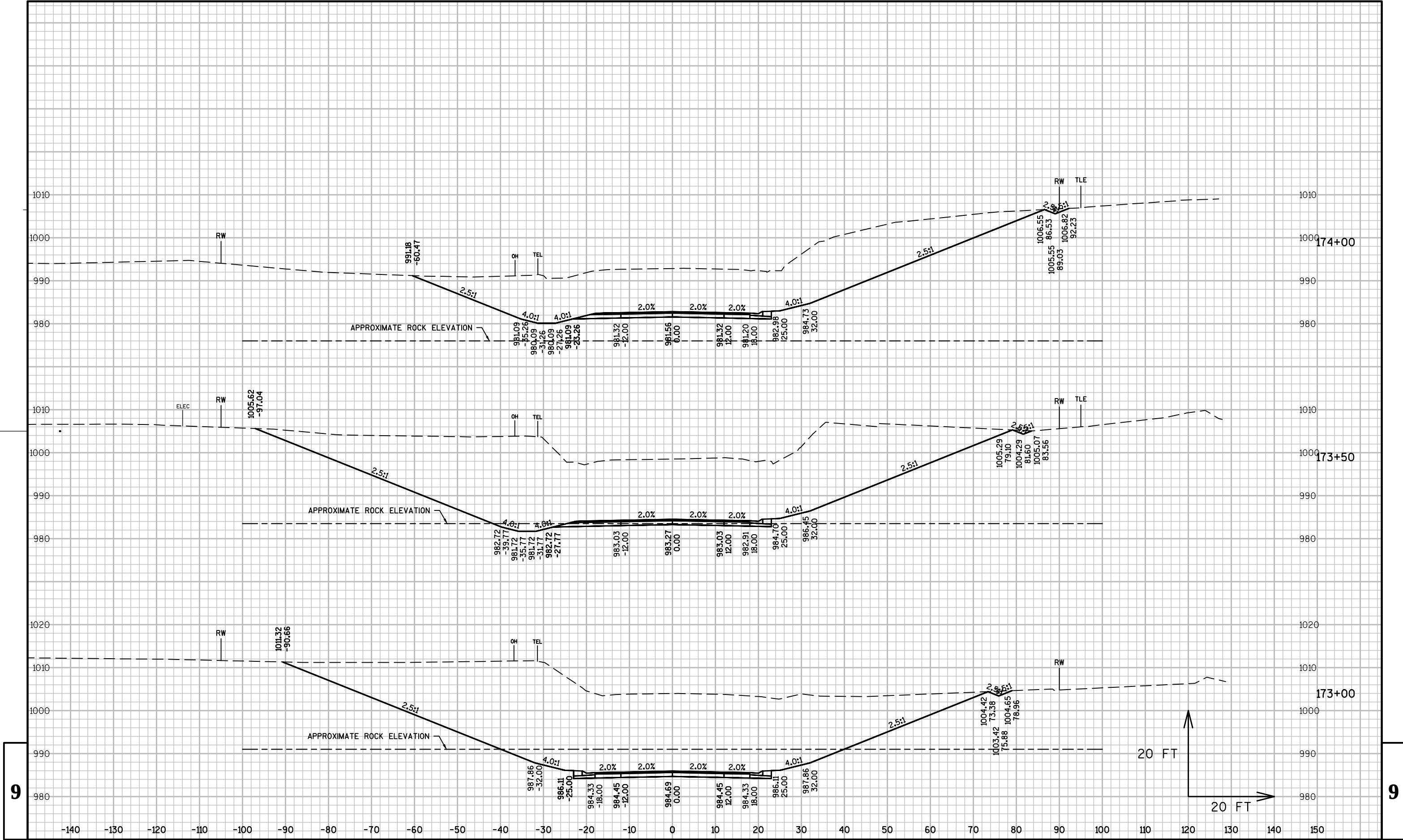
SHEET

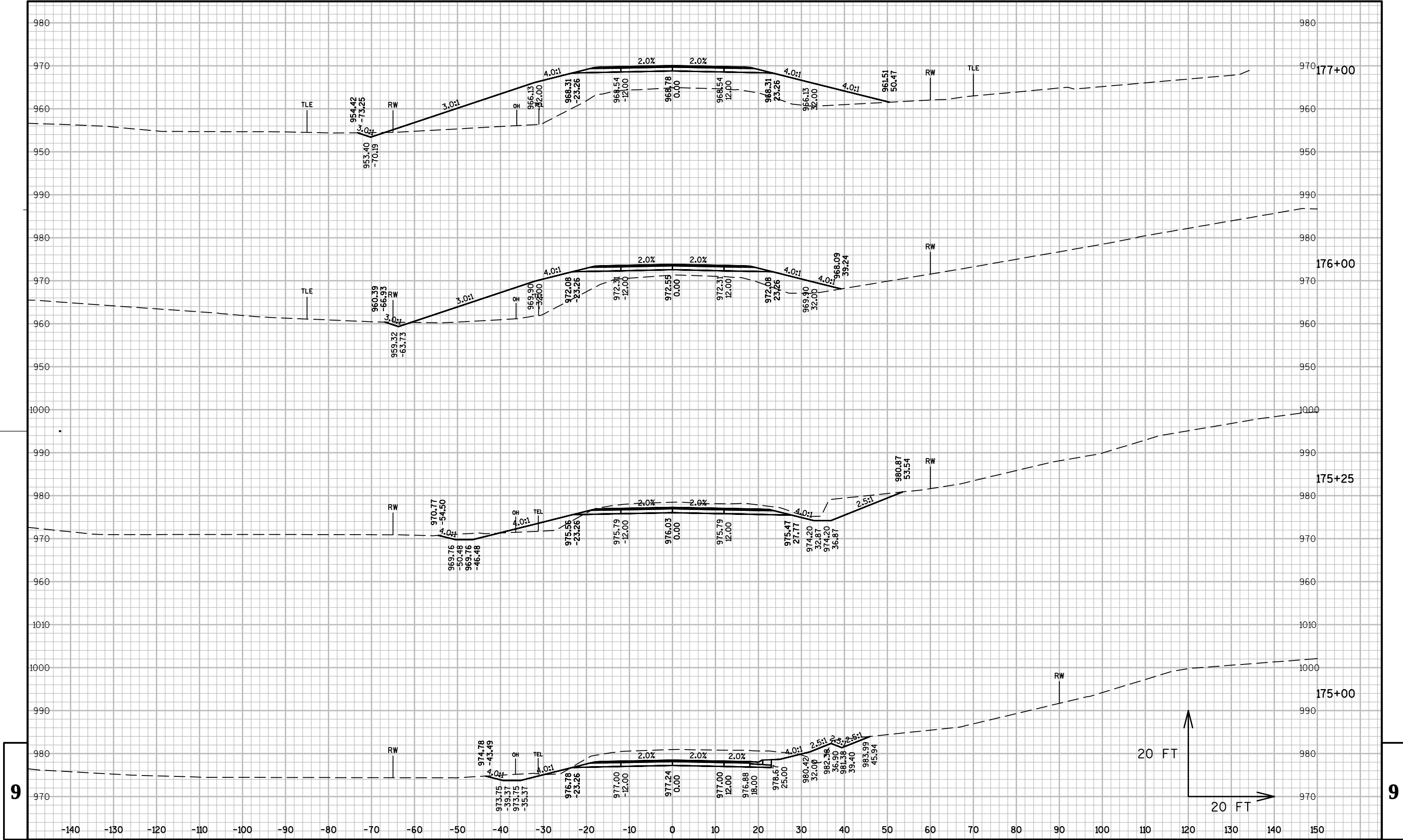
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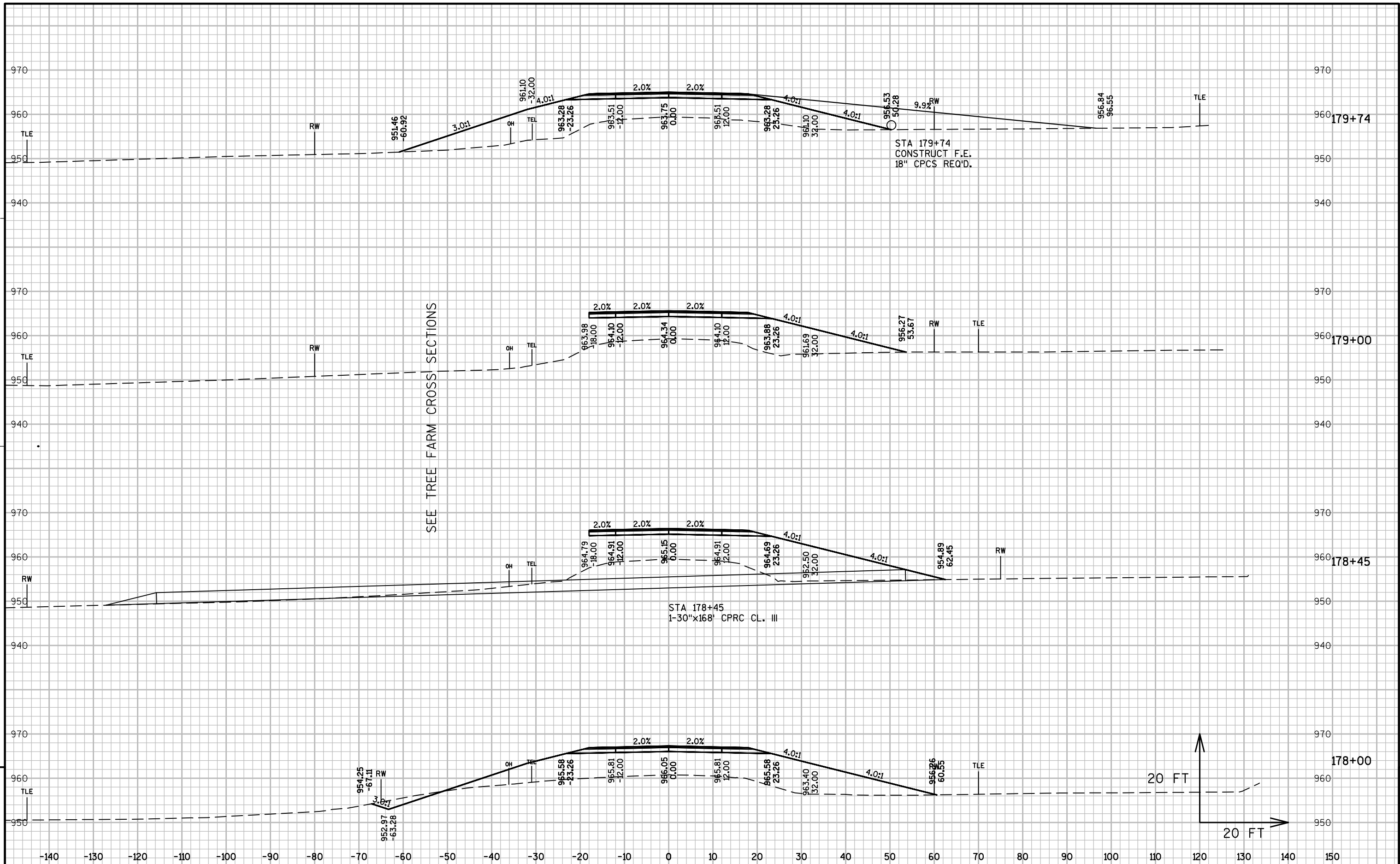


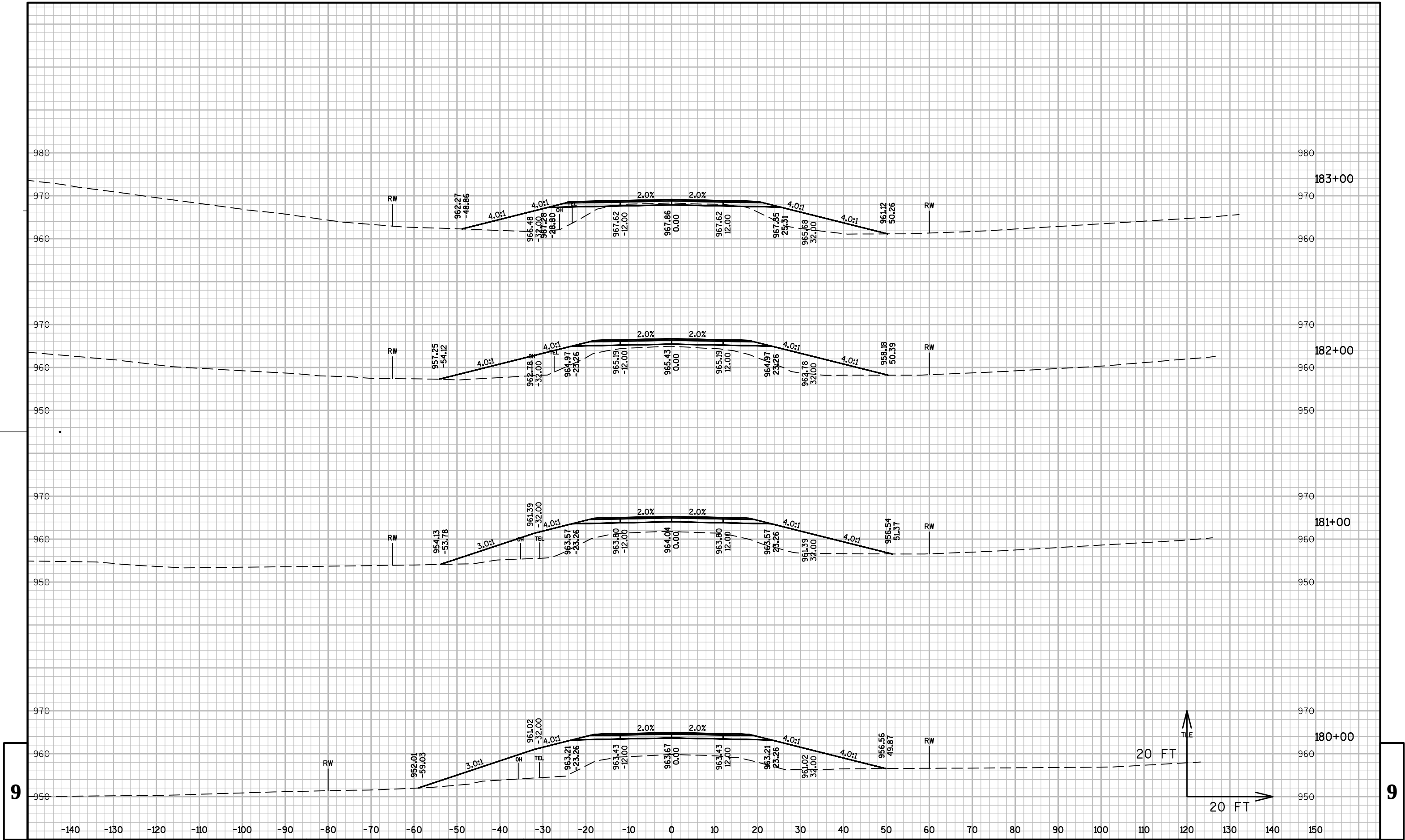


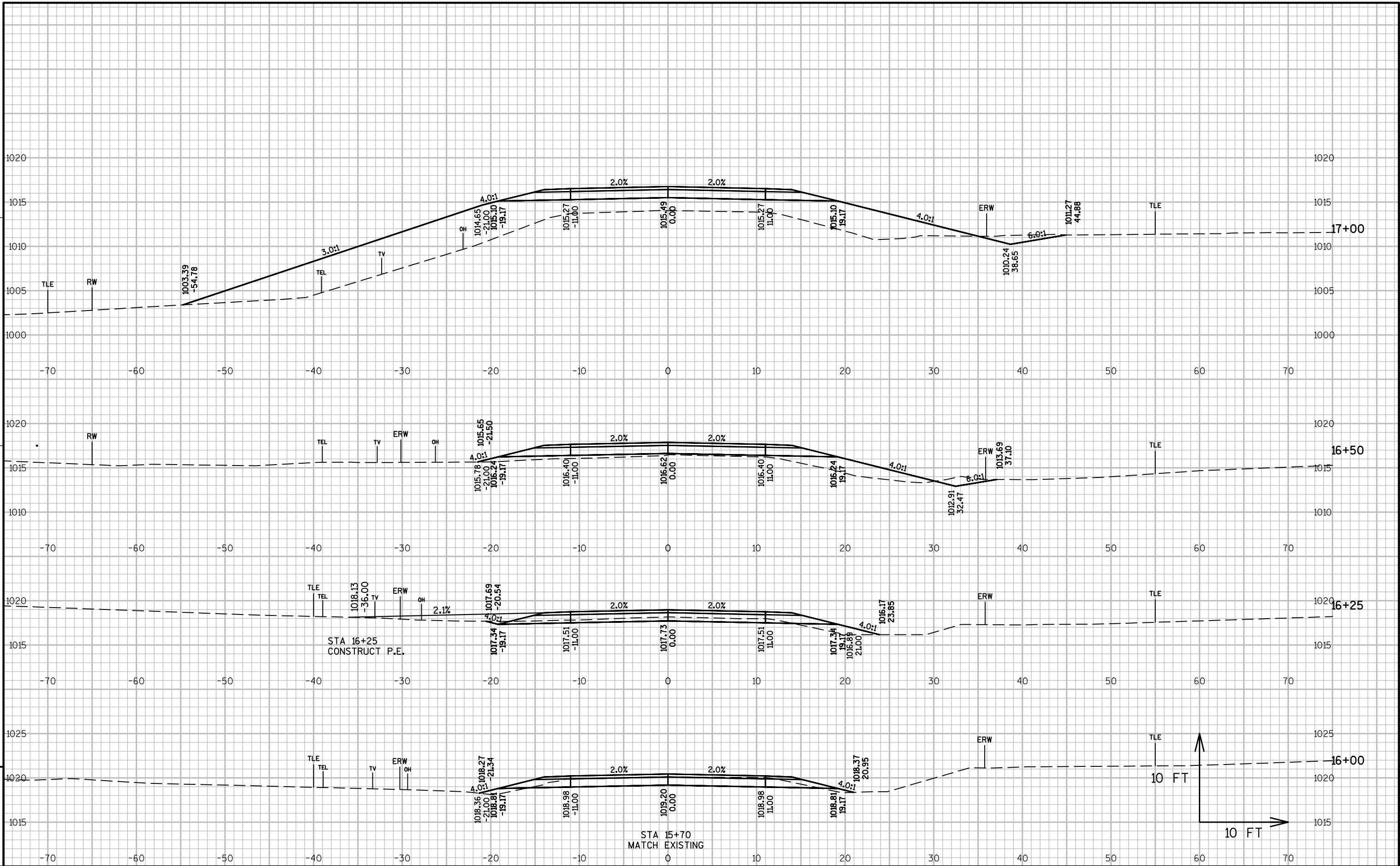


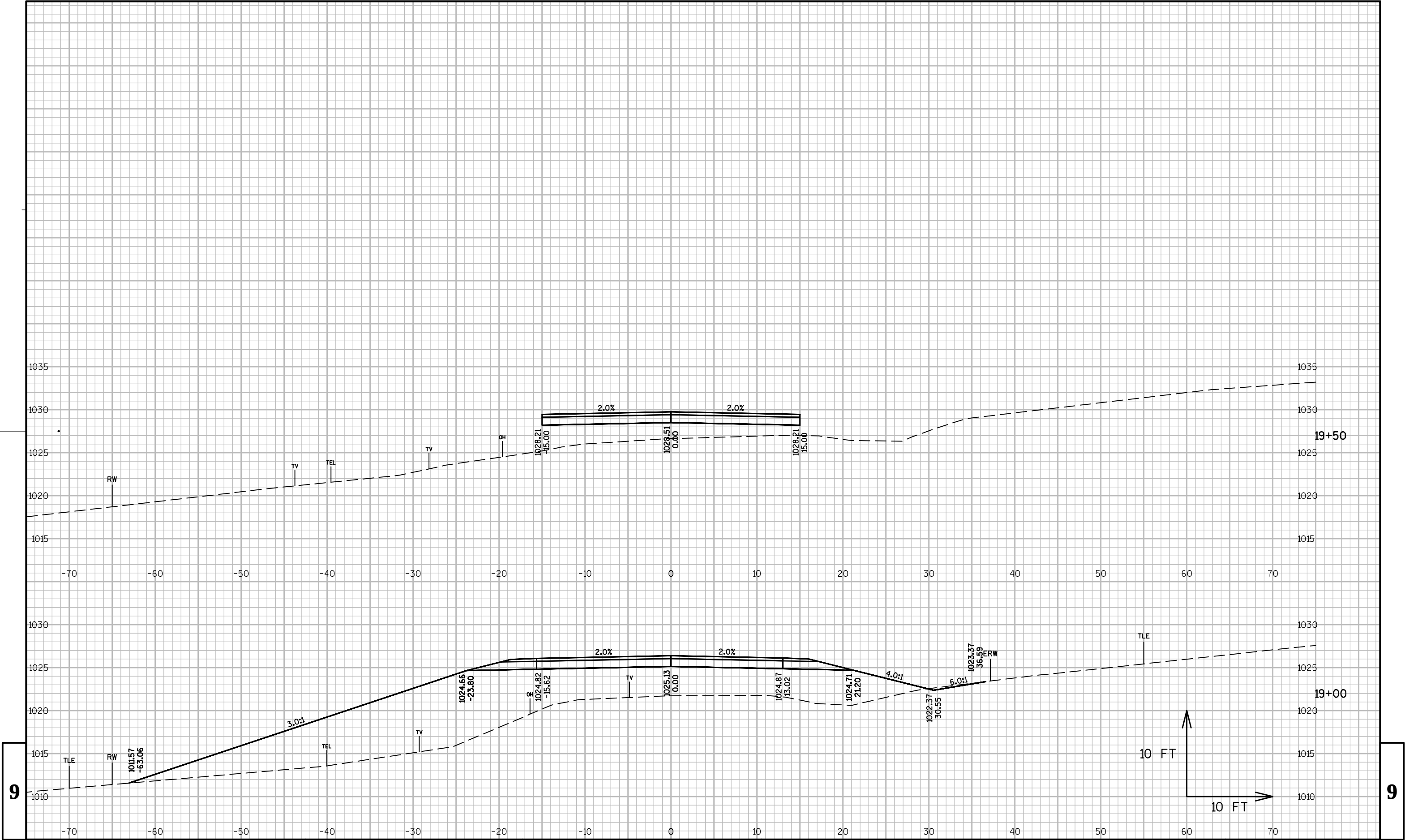


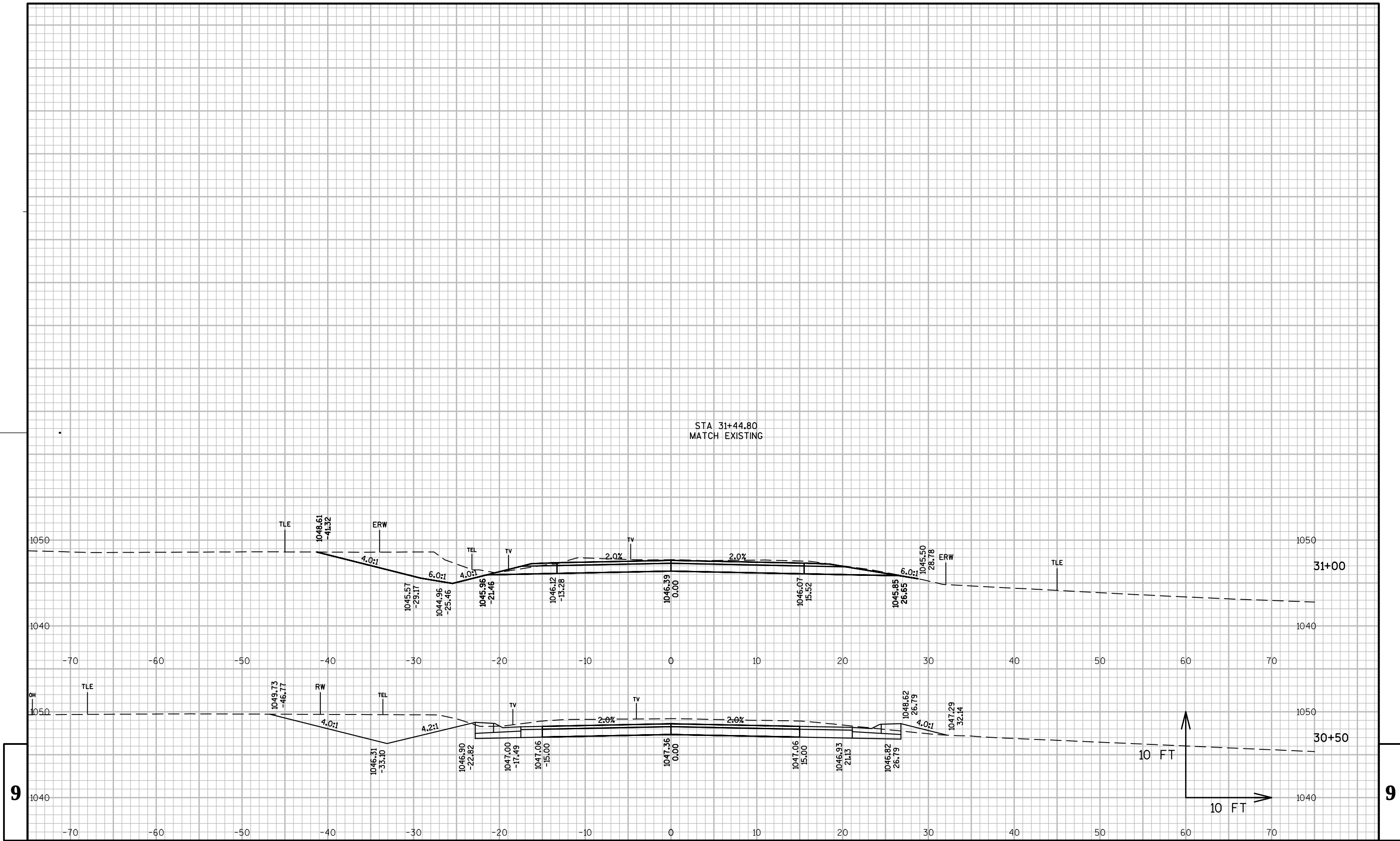


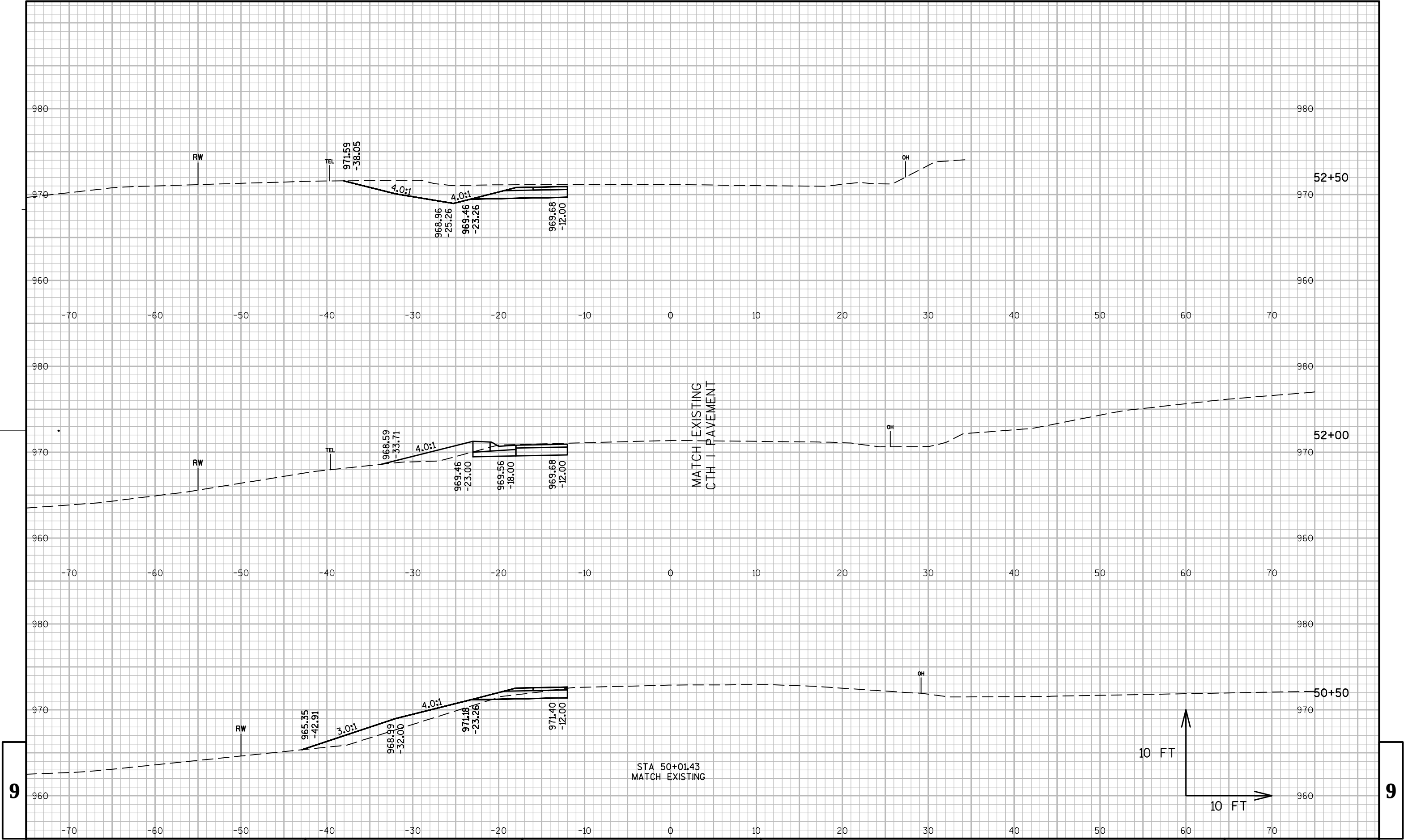


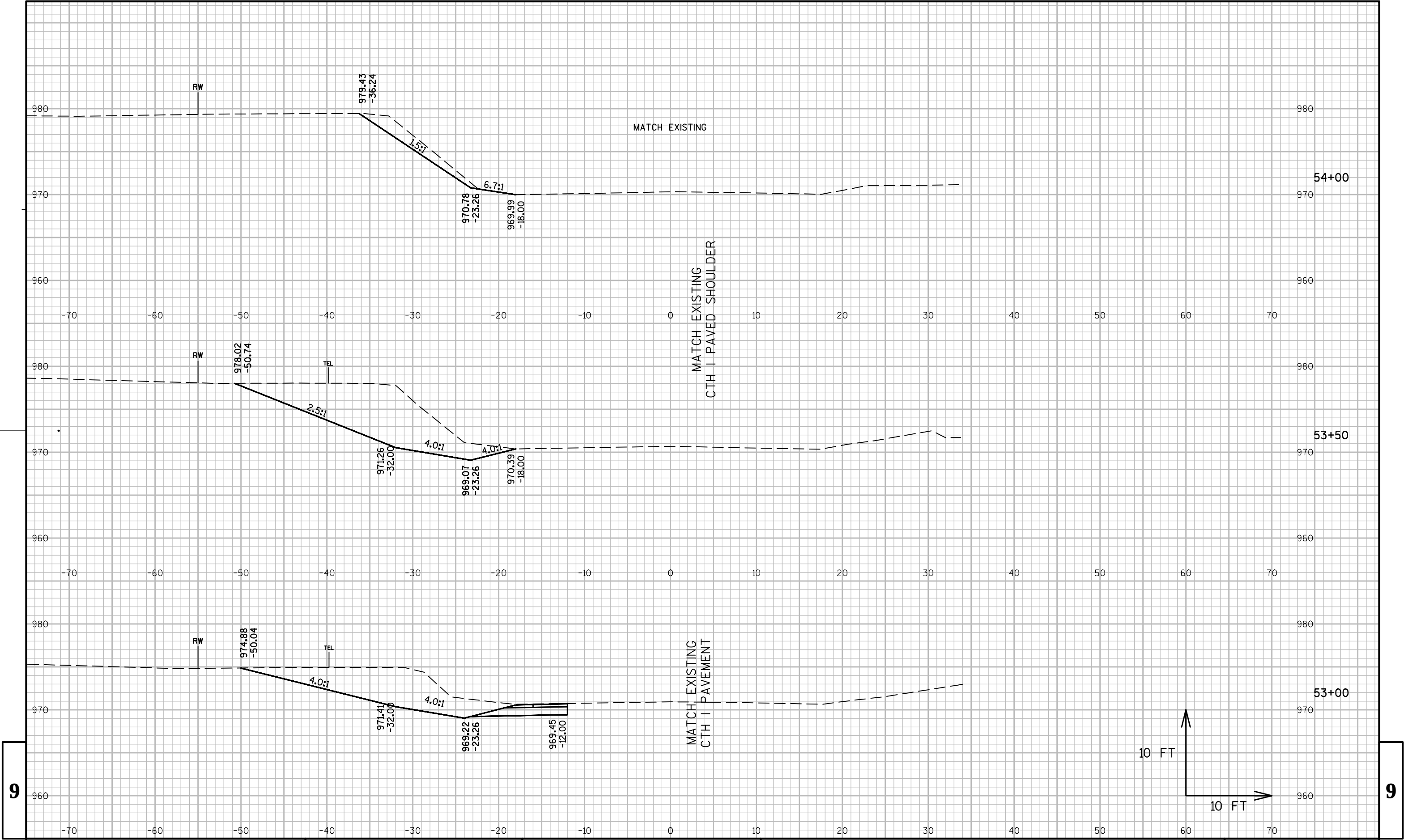












PROJECT NO:7826-05-70

HWY: CTH II

COUNTY:EAU CLAIRE

CROSS SECTIONS: CTH I

SHEET

E

FILE NAME : N:\C3D\41065000\DESIGN\CORRIDORS\41065000_CORRIDOR_CTHI.DWG

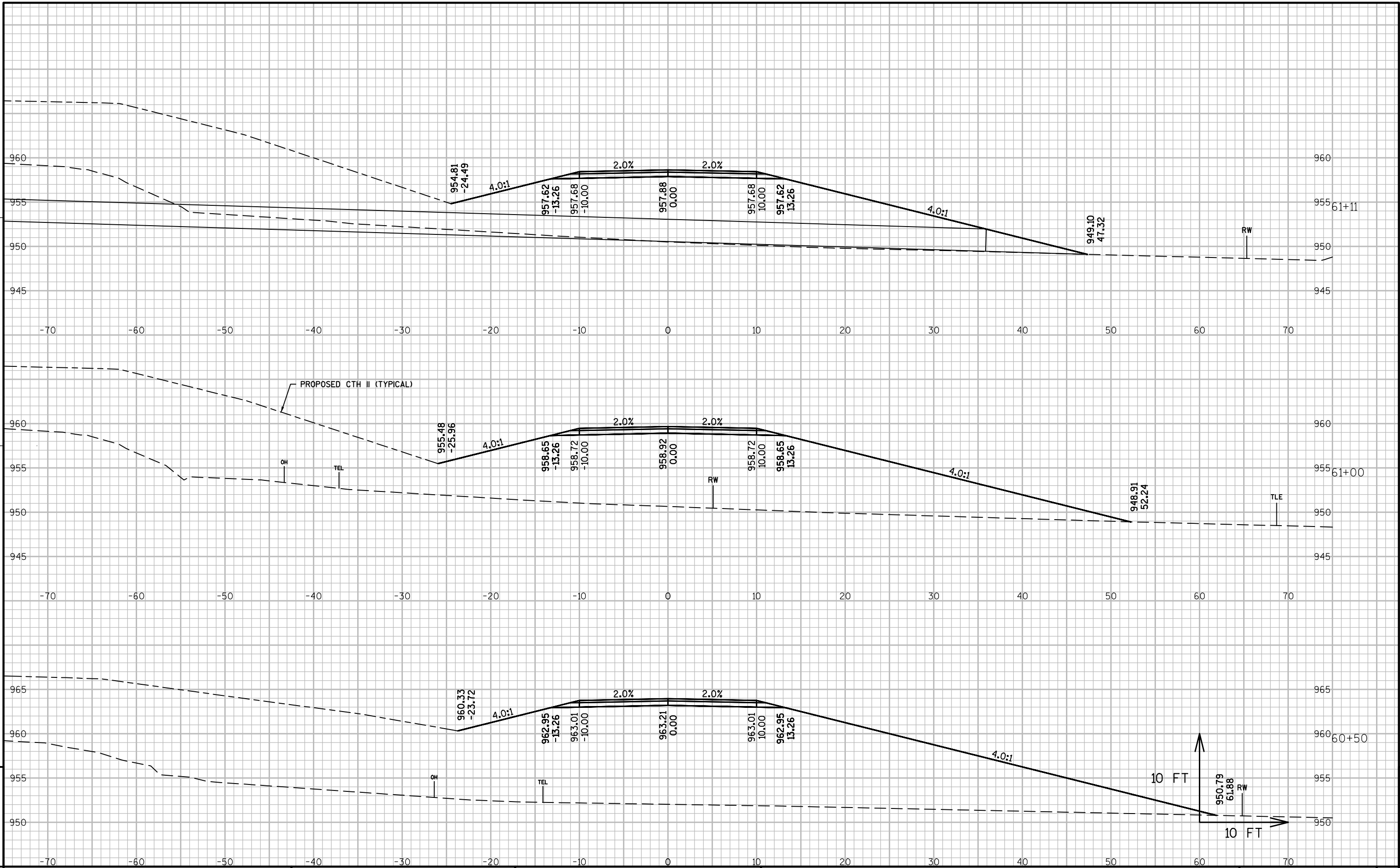
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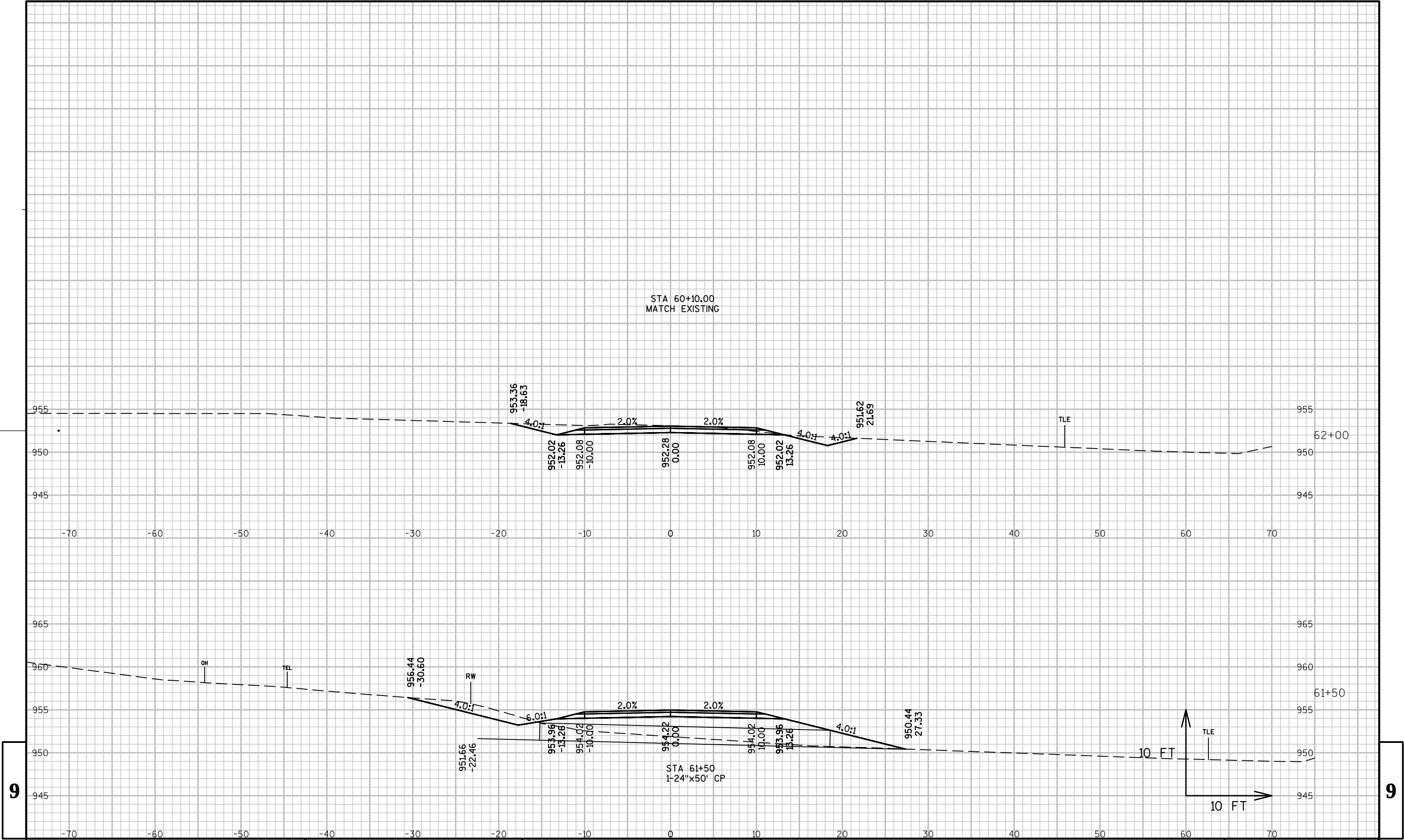
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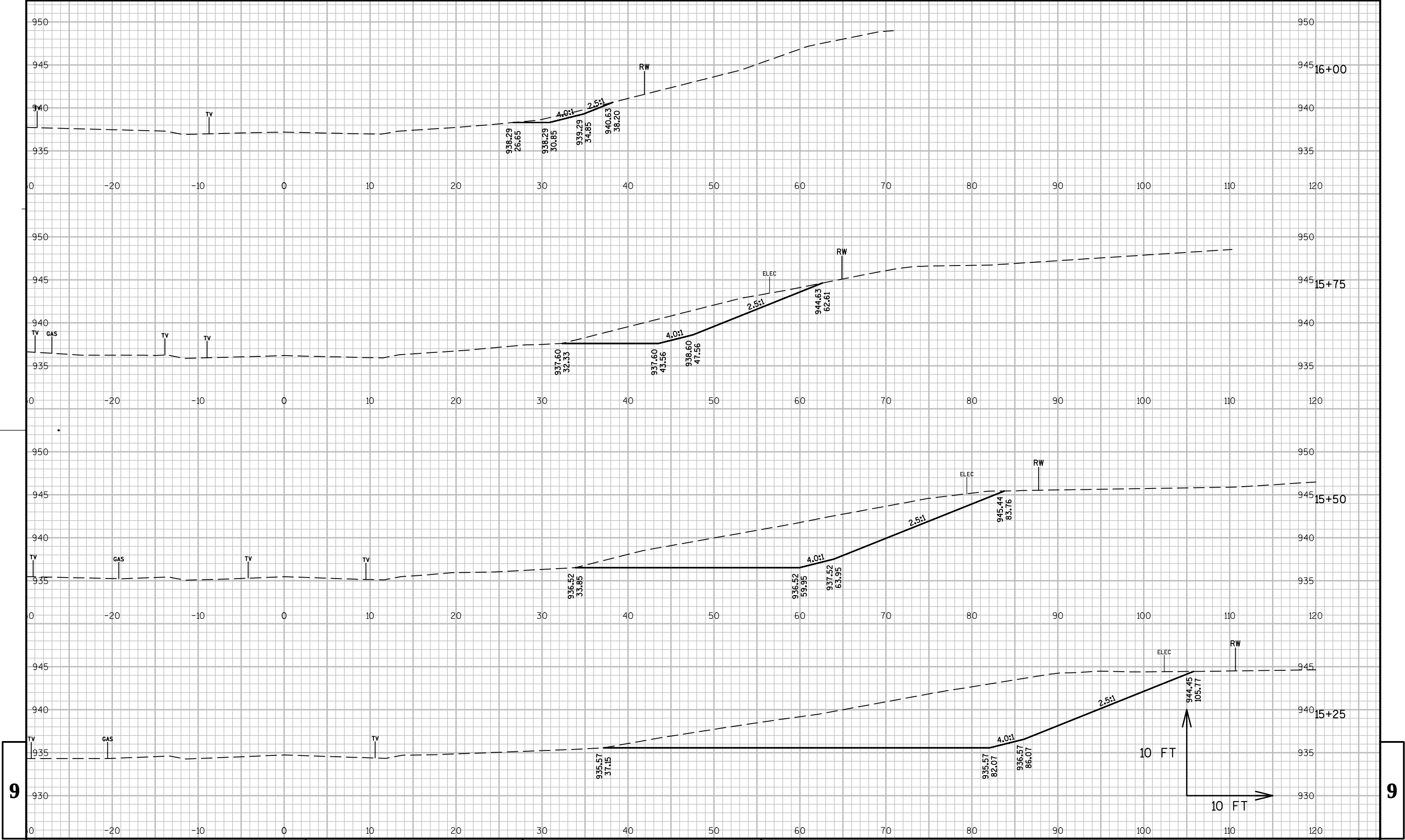
PLOT NAME :

PLOT SCALE : 1:10-XREF

WISDOT/CADDs SHEET 49







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PROJECT NO: 7826-05-70

HWY: CTH II

COUNTY: EAU CLAIRE

CROSS SECTIONS: TALMADGE ROAD

SHEET

E

FILE NAME : N:\C3D\41065000\DESIGN\CORRIDORS\41065000_CORRIDOR_TALMADGE.DWG

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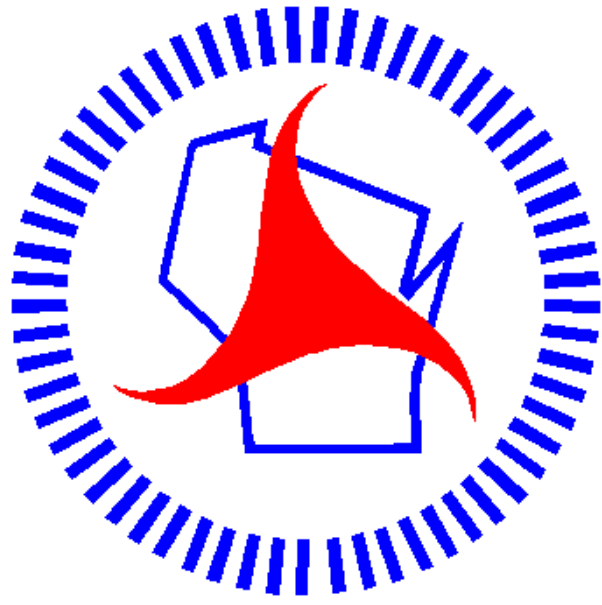
PLOT BY : AYRES ASSOCIATES

PLOT NAME : 090234_xs

PLOT SCALE : 1:10-XREF

WISDOT/CADDs SHEET 49

Notes



Wisconsin Department of Transportation

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