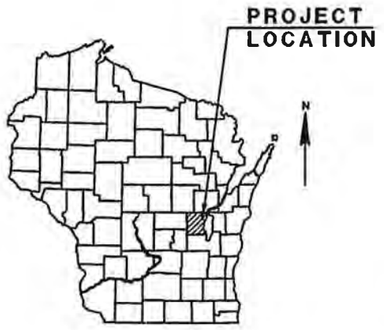
PROJECT ID: WITH: N/A

COUNTY: WINNEBAGO

ORDER OF SHEETS

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

TOTAL SHEETS =



DESIGN DESIGNATION

A.A.D.T. (2012)	=	1250
A.A.D.T. (2032)	=	1700
D.H.V. (2032)	=	213
D.D.	=	50/50
T.	=	2.5%
DESIGN SPEED	=	55 MPH (45 MPH, CTH Y - BROOKS RD)
ESALS	=	166,440

CONVENTIONAL SYMBOLS

PLAN

SAW CUT	XXXX
CORPORATE LIMITS	
PROPERTY LINE	PL + 58.1
LOT LINE	
LIMITED HIGHWAY EASEMENT	
EXISTING RIGHT OF WAY	
PROPOSED OR NEW R/W LINE	
SLOPE INTERCEPT	
REFERENCE LINE	
EXISTING CULVERT	
PROPOSED CULVERT (Box or Pipe)	
COMBUSTIBLE FLUIDS	CAUTION
MARSH AREA	
WOODED OR SHRUB AREA	

PROFILE

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

UTILITIES

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

STATE OF WISCONSIN

WINNEBAGO COUNTY HIGHWAY DEPARTMENT

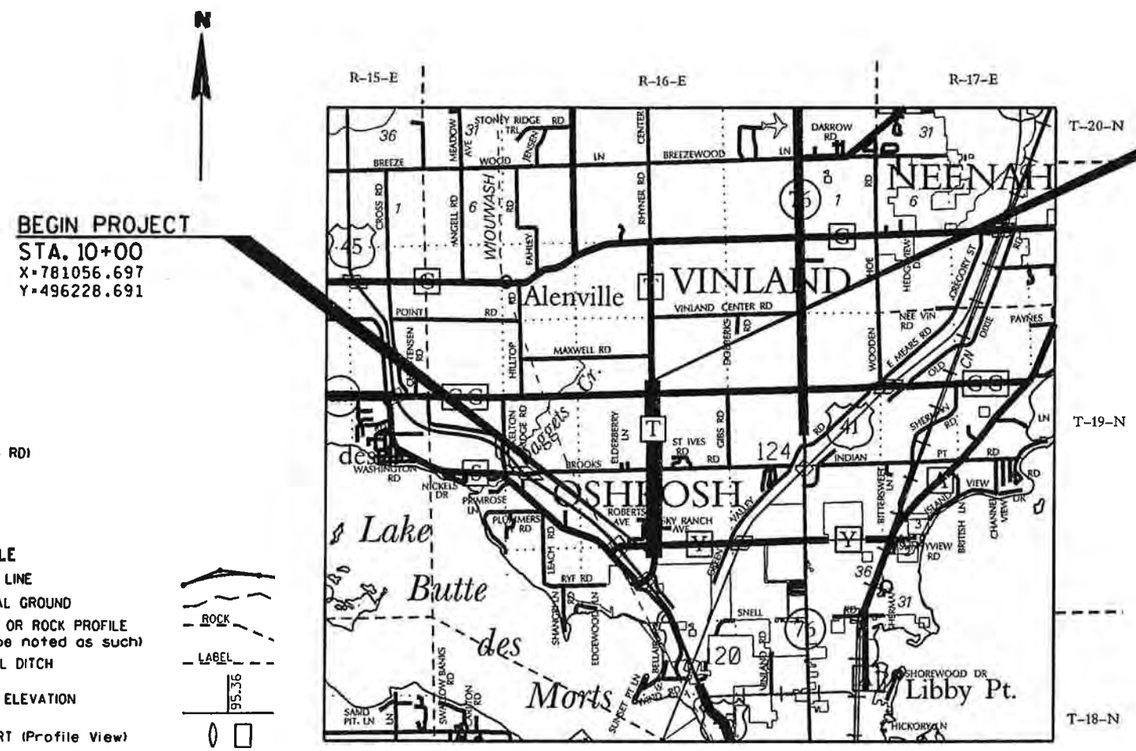
PLAN OF PROPOSED IMPROVEMENT

CTH Y - CTH GG

CTH T

WINNEBAGO COUNTY

AS-BUILT PLANS



LAYOUT

SCALE 0 ____ 1 MI.

TOTAL NET LENGTH OF CENTERLINE = 2.159 MI.

HORIZONTAL COORDINATES ARE REFERENCED TO THE WISCONSIN COUNTY COORDINATE SYSTEM (WCCS), WINNEBAGO COUNTY ZONE, NAD 83 (97) DATUM AND ARE GRID VALUES.

APPROVED FOR WINNEBAGO COUNTY

11/22/2011 DATE

John Mc. Haese COUNTY HIGHWAY COMMISSIONER

ORIGINAL PLANS PREPARED BY

AYRES ASSOCIATES

WISCONSIN PHILLIP J. VERVILLE E-36336 GREEN BAY, WI PROFESSIONAL ENGINEER

DATE: 11/22/11

E

FILE NAME : $$....designfile....$$

PLOT DATE : $$...plottingdate...$$ PLOT BY : $$...plotuser...$$ PLOT NAME :

PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 15

GENERAL NOTES

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

ALL DISTANCES ARE GROUND DISTANCE.

CURVE DATA IS BASED ON ARC DEFINITION.

BEARINGS SHOWN ON THIS PLAN ARE TRUE BEARINGS.

ALL TIES ON THIS PLAN ARE HORIZONTAL UNLESS DESCRIBED OTHERWISE.

PROPERTY LINES AS SHOWN ARE APPROXIMATE.

ELEVATIONS SHOWN ON THE ROADWAY CROSS SECTIONS ARE EARTH GRADE ELEVATIONS AT THE CENTERLINE OF THE ROADWAY.

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

INLET AND DISCHARGE ELEVATIONS FOR DRAINAGE STRUCTURES SHOWN ON THE PLAN SHEET ARE APPROXIMATE AND SHALL BE DETERMINED IN THE FIELD.

THE REMOVAL OF HMA PAVEMENT WILL BE PAID AS COMMON EXCAVATION UNLESS OVERLAID ON CONCRETE PAVEMENT OR OTHERWISE NOTED.

MEETING EXISTING PAVEMENT WITH NEW PAVEMENT SHALL BE PERFORMED WITH A BUTT JOINT. ALL BUTT JOINTS ARE TO BE SAW CUT.

WHEN THE QUANTITY OF BASE AGGREGATE DENSE 1 1/4-INCH AND 3/4-INCH MEASURED FOR PAYMENT BY THE TON, THE THICKNESS AS SHOWN ON THE PLAN IS APPROXIMATE AND THE ACTUAL THICKNESS WILL DEPEND ON THE DISTRIBUTION AS DIRECTED BY THE ENGINEER IN THE FIELD.

EXCAVATION BELOW SUBGRADE (E.B.S.) SHALL BE MEASURED AND PAID FOR AS EXCAVATION COMMON. THE EXACT LOCATION FOR E.B.S., AS REQUIRED, SHALL BE DETERMINED BY THE ENGINEER.

FILL EXPANSION FACTOR IS 30%.

REMOVE ALL CONCRETE PAVEMENT THROUGHOUT PROJECT LIMITS.

BOXOUTS WILL BE PROVIDED IN COLORED CONCRETE SIDEWALK BY THE CONTRACTOR FOR SIGN PLACEMENT. THE COST OF THE BOXOUTS WILL BE INCIDENTAL TO CONCRETE SIDEWALK.

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

CURB AND GUTTER ELEVATIONS ARE ALONG THE FLANGE LINE UNLESS OTHERWISE NOTED.

RADIUS POINTS UNLESS OTHERWISE NOTES ARE TO THE FLANGE OF THE CURB.

THE EXACT LOCATION AND WIDTH OF ENTRANCES WILL BE DETERMINED IN BY THE ENGINEER IN THE FIELD.

DRIVEWAYS ARE TO BE REPLACED IN KIND.

EROSION CONTROL MEASURES WILL BE PLACED AS SHOWN ON THE EROSION CONTROL PLAN. THE EXACT LOCATIONS WILL BE DETERMINED BY THE ENGINEER IN THE FIELD.

MAINTAIN DRIVING SURFACE TO ALL PROPERTY OWNERS WITH BASE AGGREGATE DENSE 1 1/4-INCH. THE CONTRACTOR IS RESPOMSIBLE FOR PROTECTING MOTORISTS AND PEDESTRIANS THAT MAY ENTER THE WORK ZONE.

UTILITIES

WISCONSIN PUBLIC SERVICE CORP-ELECTRIC

P.O. BOX 19001
GREEN BAY, WI 54307
ATTENTION: MR. DAVE PETERSON
TELEPHONE 920-236-5910

WISCONSIN PUBLIC SERVICE CORP-GAS

P.O. BOX 19001
GREEN BAY, WI 54307
ATTENTION: MR. PAUL SPANGLER
TELEPHONE 920-236-5908

TIME WARNER CABLE

3520 DESTINATION DRIVE
APPLETON, WI 54915
ATTENTION: MR. VINCE ALBIN
TELEPHONE 920-831-9249
TELEPHONE 920-749-1154

AT&T

70 EAST DIVISION STREET
FOND DU LAC, WI 54935
ATTENTION: MR. CHARLES BARTLETT
TELEPHONE 920-929-1013

DIGGERS HOTLINE

Call 811 3 Work Days Before You Dig
or Toll Free (800) 242-8511
Hearing Impaired TDD (800) 542-2289
www.DiggersHotline.com

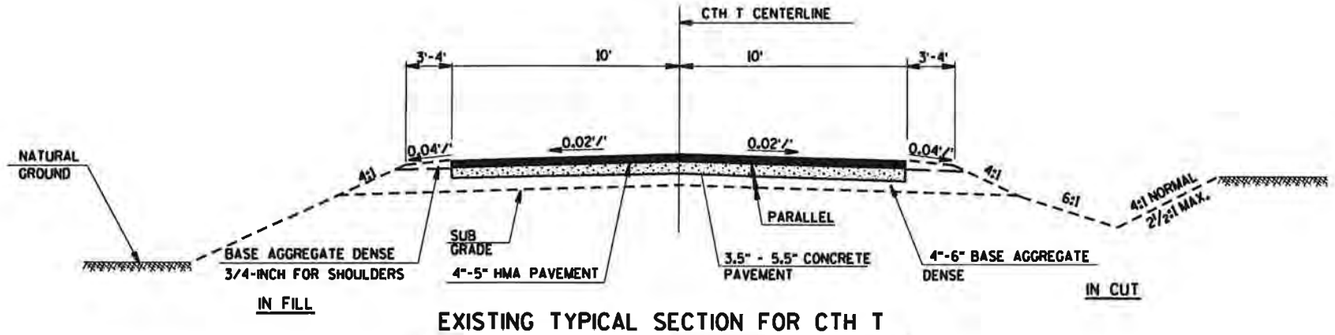
STANDARD ABBREVIATIONS

ADT	AVERAGE DAILY TRAFFIC	PC	POINT OF CURVATURE
AC	ASPHALT CEMENT	PI	POINT OF INTERSECTION
AGG	AGGREGATE	PE	PRIVATE ENTRANCE
ASPH	ASPHALT	R	RADIUS
BM	BENCH MARK	REM	REMOVE
C/L	CENTERLINE	R/L OR RL	REFERENCE LINE
CONC	CONCRETE	RCCP	REINFORCED CONCRETE CULVERT PIPE
CMP	CORRUGATED METAL PIPE	RCPSS	REINFORCED CONCRETE PIPE STORM SEWER
CR.	CREEK	R.O.	RUNOUT
D	DEGREE OF CURVE	R/W	RIGHT-OF-WAY
DHV	DESIGN HOUR VOLUME	STA	STATION
ESALS	EQUIVALENT SINGLE AXIS LOADS	SE	SUPER ELEVATION
EXIST	EXISTING	SS	STORM SEWER
FE	FIELD ENTRANCE	T	TANGENT
HYD	HYDRANT	TEL	TELEPHONE
IP	IRON PIPE OR PIN	TLE	TEMPORARY LIMITED EASEMENT
L	LENGTH OF CURVE	T	TRUCKS
LC	LONG CHORD OF CURVE	VC	VERTICAL CURVE
MH	MANHOLE	W	WELL
NC	NORMAL CROWN		

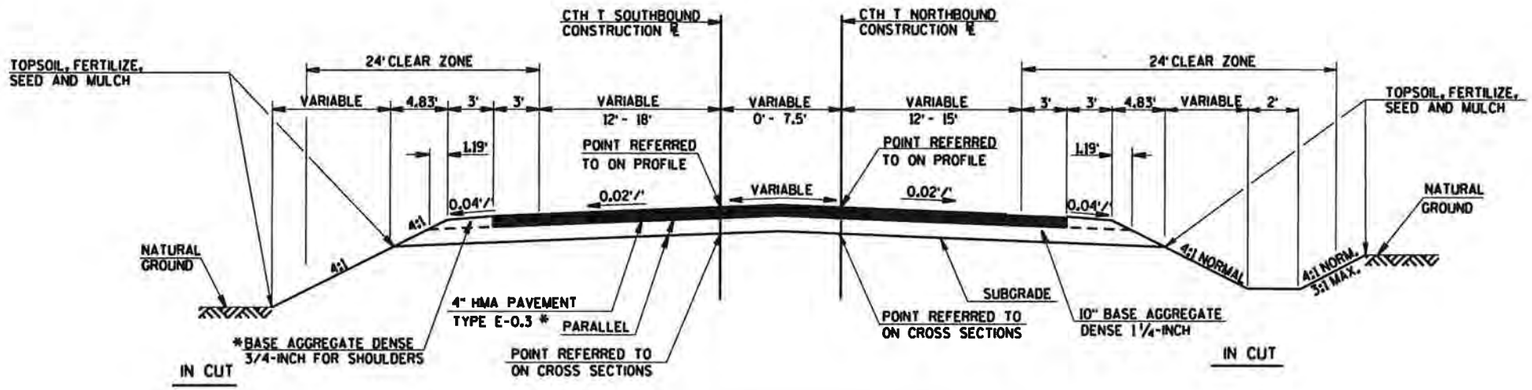
DESIGN CONTACT

AYRES ASSOCIATES
3376 PACKERLAND DRIVE
DE PERE, WISCONSIN 54115
ATTENTION: PHIL VERVILLE III
E-MAIL: VERVILLEP@AYRESASSOCIATES.COM
TELEPHONE 920-498-1200

2



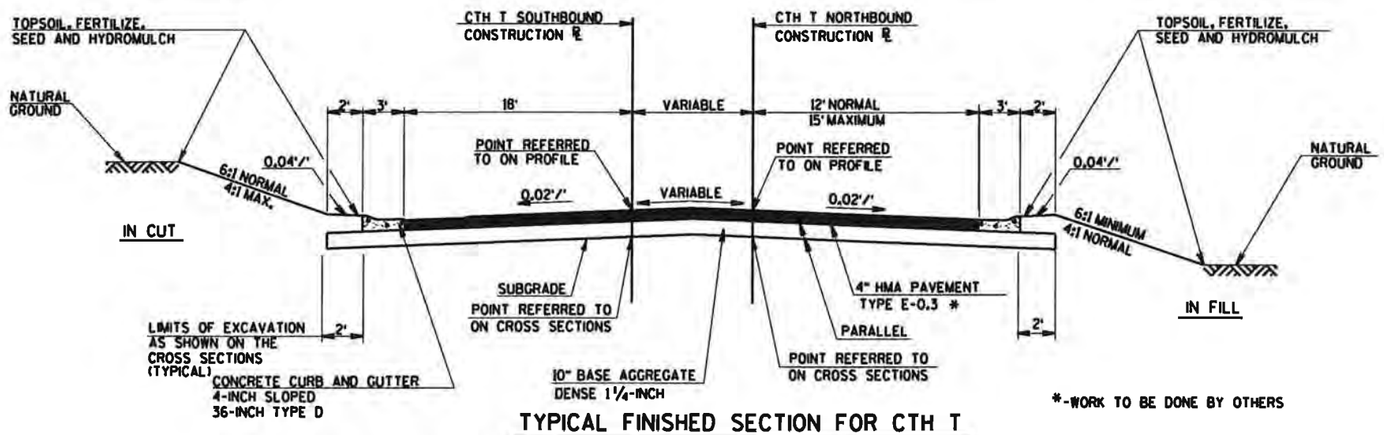
EXISTING TYPICAL SECTION FOR CTH T



TYPICAL FINISHED SECTION FOR CTH T

STA. 10+00.00 - STA. 12+00.00 CTH T NORTHBOUND CONSTRUCTION ℄

*-WORK TO BE DONE BY OTHERS

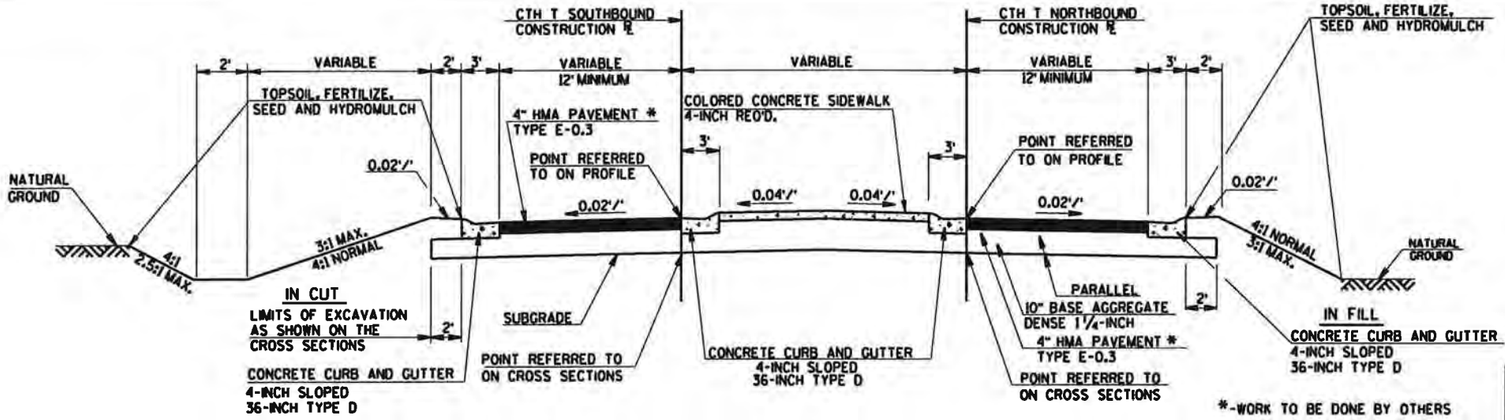


TYPICAL FINISHED SECTION FOR CTH T

STA. 12+00.00 - STA. 12+73.7 CTH T NORTHBOUND CONSTRUCTION ℄

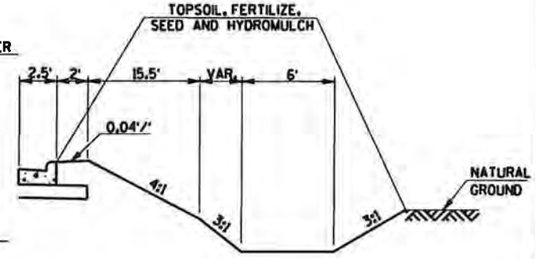
*-WORK TO BE DONE BY OTHERS

PROJECT NO: 41-0452.00	HWY: CTH T	COUNTY: WINNEBAGO	TYPICAL SECTIONS	SHEET 3 E



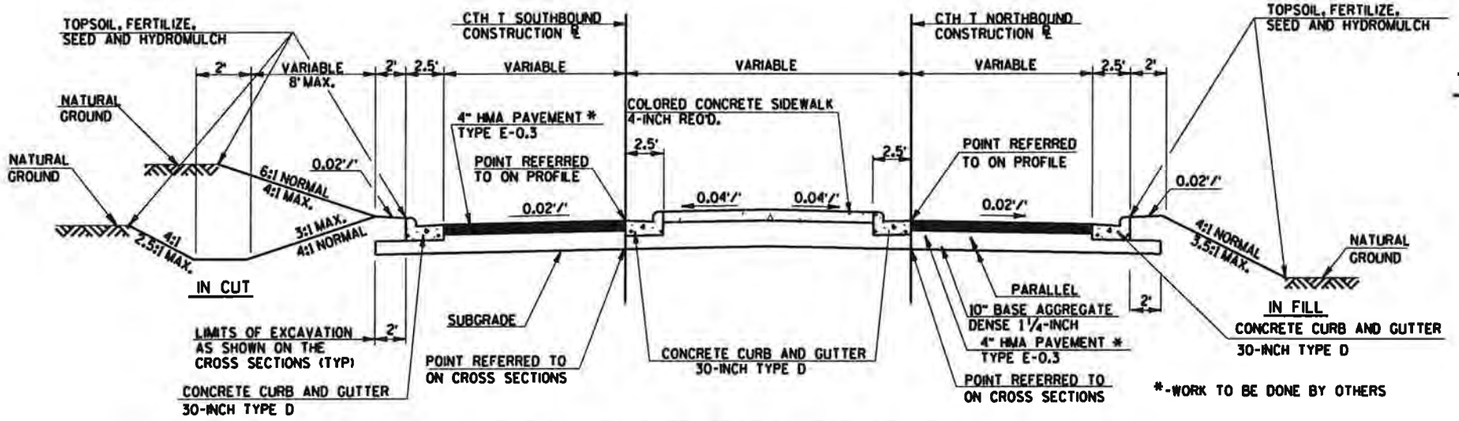
TYPICAL FINISHED SECTION FOR CTH T

STA. 12+73.7 - STA. 15+01.13 CTH T NORTHBOUND CONSTRUCTION ℄



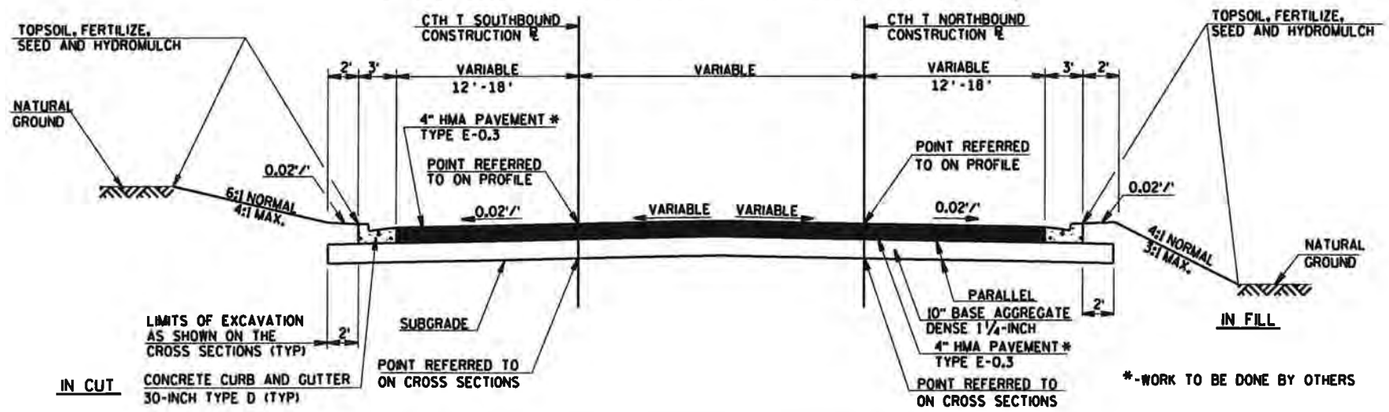
TYPICAL DITCH CONSTRUCTION FOR CTH T

STA. 14+50 - STA. 16+01.13 RT.
STA. 15+00 LT.



TYPICAL FINISHED SECTION FOR CTH T

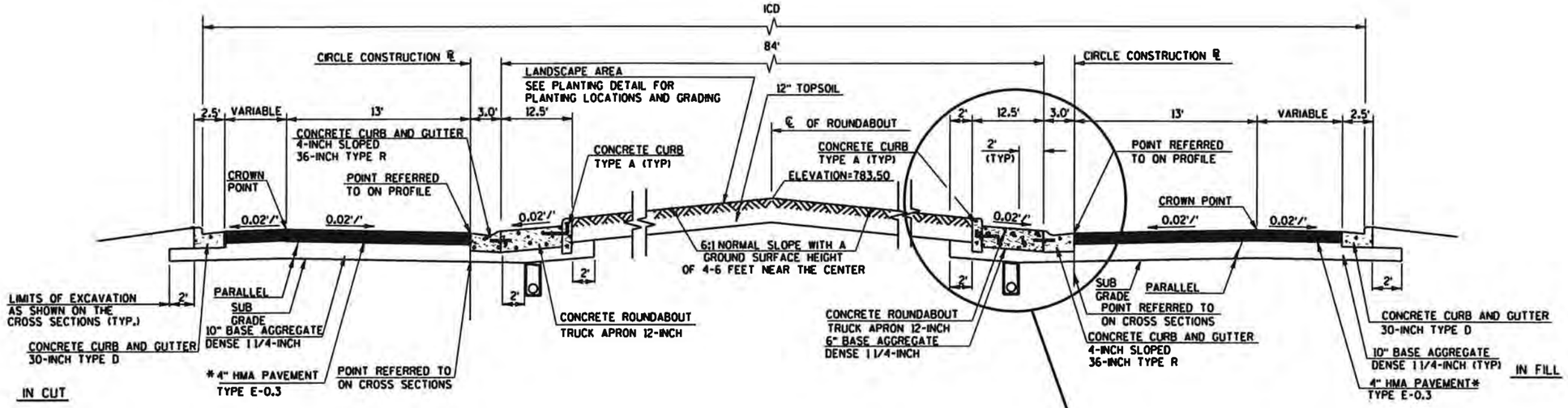
STA. 15+01.13 - STA. 16+01.13 CTH T NORTHBOUND CONSTRUCTION ℄
STA. 17+36.17 - STA. 19+87.00 CTH T NORTHBOUND CONSTRUCTION ℄



TYPICAL FINISHED SECTION FOR CTH T

STA. 19+87.00 - STA. 22+06.41 CTH T NORTHBOUND CONSTRUCTION ℄

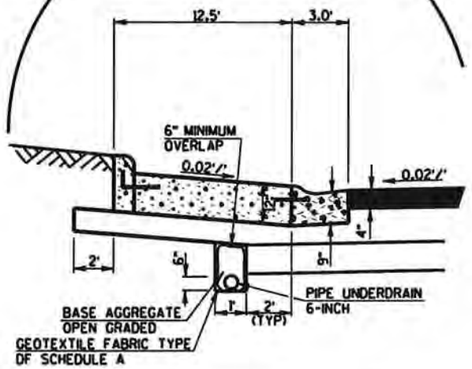
PROJECT NO: 41-0452.00	HWY: CTH T	COUNTY: WINNEBAGO	TYPICAL SECTIONS	SHEET 4 E



*-WORK TO BE DONE BY OTHERS

TYPICAL FINISHED SECTION FOR CTH T

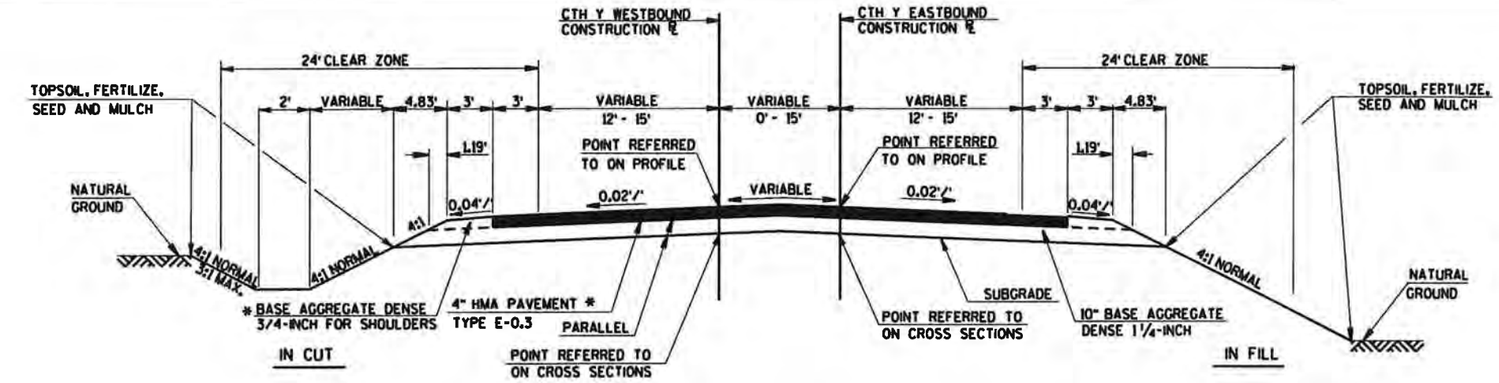
ROUNDABOUT DETAIL



TRUCK APRON (TYPICAL)

PROJECT NO: 41-0452.00	HWY: CTH T	COUNTY: WINNEBAGO	TYPICAL SECTIONS	SHEET 5 E

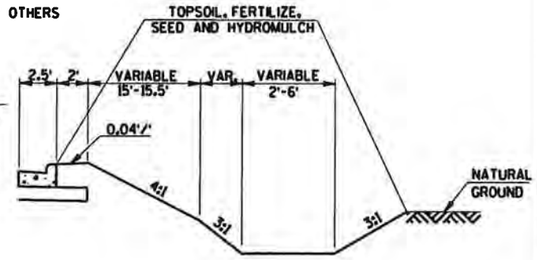
FILE NAME : ss....designfile....ss PLOT DATE : ss...plottingdate...ss PLOT BY : ss...plotuser...ss PLOT NAME : PLOT SCALE : ss.....plotscale.....ss WISDOT/CADDS SHEET 42



TYPICAL FINISHED SECTION FOR CTH Y

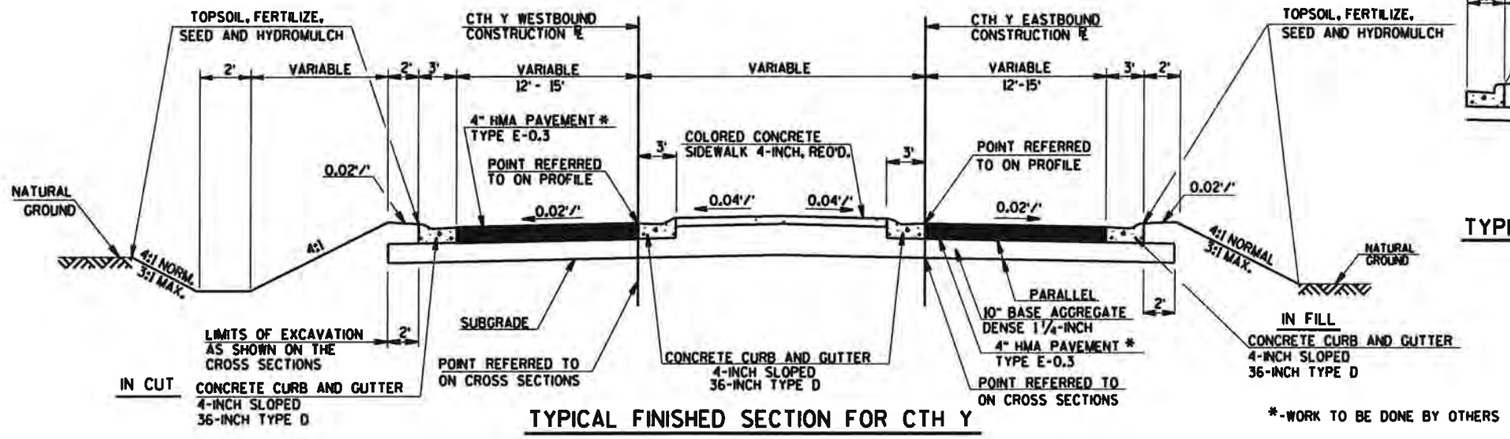
STA. 201+25.00 - STA. 204+29.90 CTH Y EASTBOUND CONSTRUCTION ℄
STA. 210+59.10 - STA. 213+00.00 CTH Y EASTBOUND CONSTRUCTION ℄

*-WORK TO BE DONE BY OTHERS



TYPICAL DITCH CONSTRUCTION FOR CTH Y

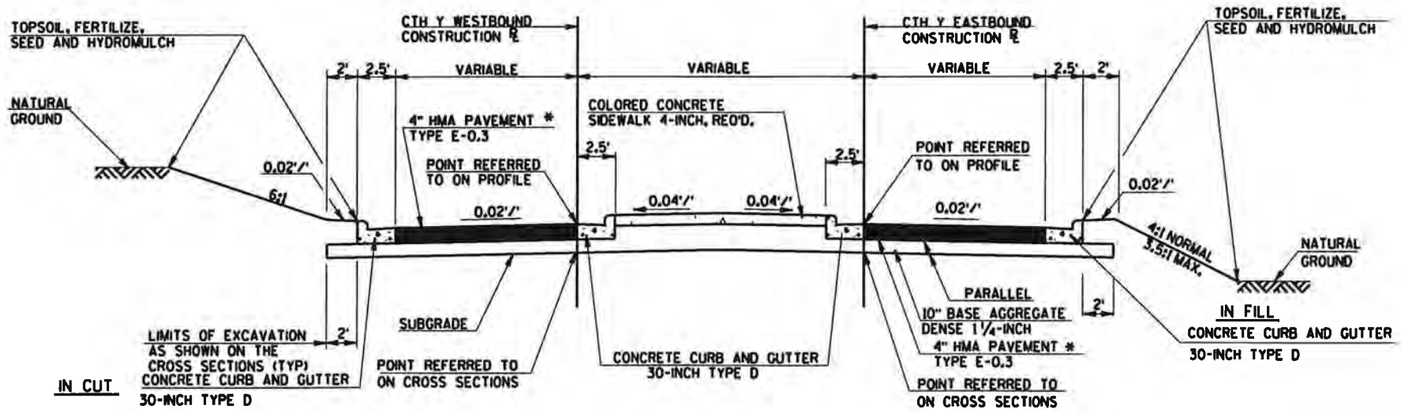
STA. 205+50 - STA. 206+25 RT.
(10' WIDE-SEE CROSS SECTIONS)
STA. 208+53 - STA. 208+75 RT.
(6' WIDE-SEE CROSS SECTIONS)



TYPICAL FINISHED SECTION FOR CTH Y

STA. 204+29.90 - STA. 206+18.46 CTH Y EASTBOUND CONSTRUCTION ℄
STA. 209+53.75 - STA. 210+59.10 CTH Y EASTBOUND CONSTRUCTION ℄

*-WORK TO BE DONE BY OTHERS

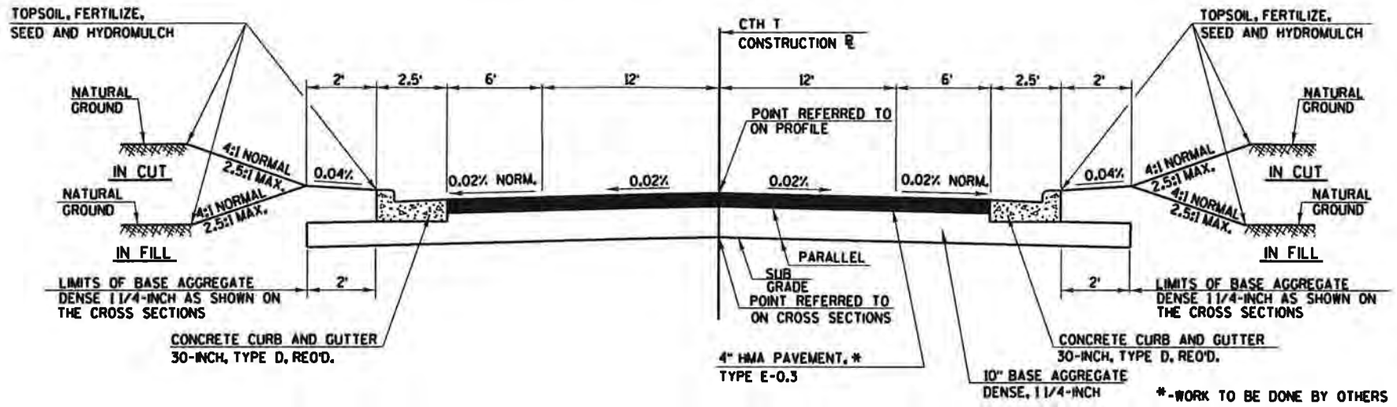


TYPICAL FINISHED SECTION FOR CTH Y

STA. 206+18.46 - STA. 207+18.46 CTH Y EASTBOUND CONSTRUCTION ℄
STA. 208+56.75 - STA. 209+56.75 CTH Y EASTBOUND CONSTRUCTION ℄

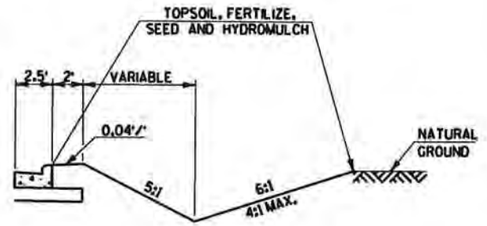
*-WORK TO BE DONE BY OTHERS

PROJECT NO: 41-0452.00	HWY: CTH T	COUNTY: WINNEBAGO	TYPICAL SECTIONS	SHEET 6 E



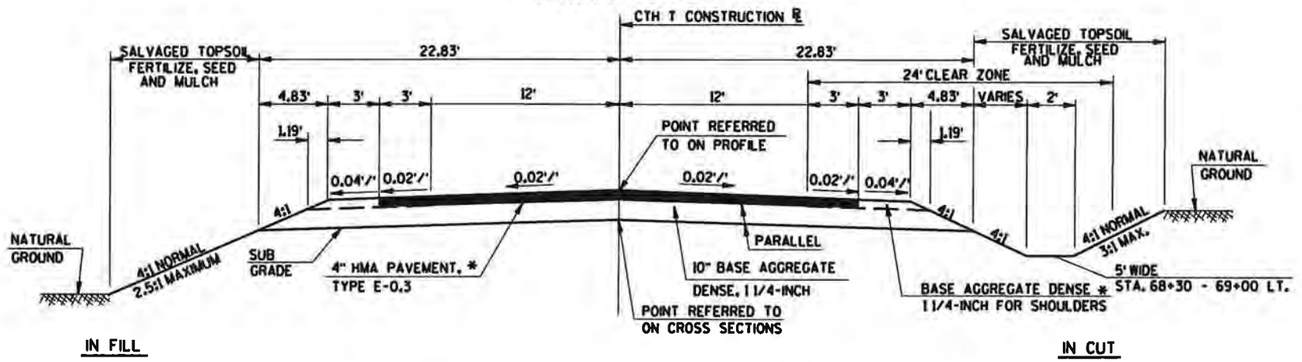
TYPICAL FINISHED SECTION FOR CTH T

STA. 22+06.41 - STA. 48+50



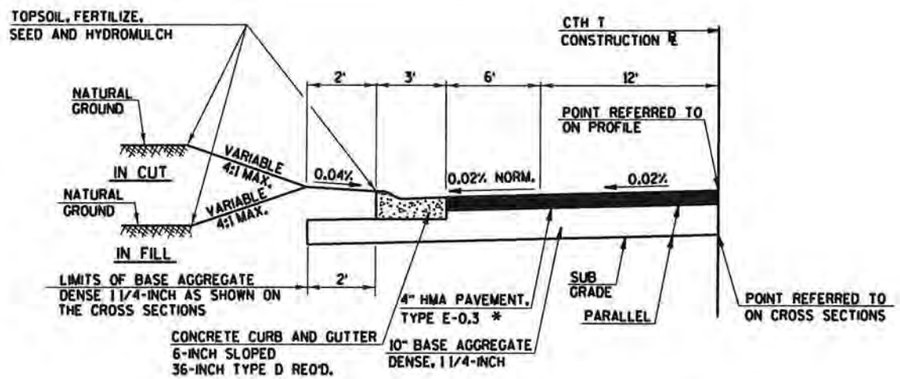
TYPICAL DITCH CONSTRUCTION FOR CTH T

STA. 23+25 - STA. 23+50 RT.
STA. 24+40 - STA. 25+00 RT.
(SEE CROSS SECTIONS)



TYPICAL FINISHED SECTION FOR CTH T

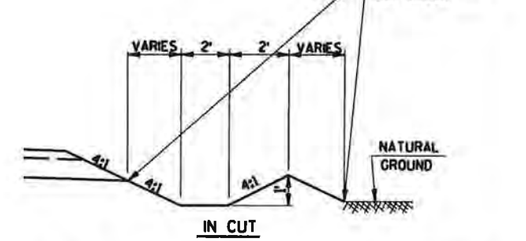
STA. 48+50 - STA. 125+00



1/2 TYPICAL FINISHED SECTION FOR CTH T

STA. 65+80 - STA. 73+00 CTH T LT.
STA. 67+50 - STA. 71+50 CTH T RT.
STA. 99+70 - STA. 103+20 CTH T RT.
STA. 110+00 - STA. 114+00 CTH T LT.
STA. 119+40 - STA. 123+57.73 CTH T LT.
STA. 598+25 - STA. 600+79.40 CTH GG RT.
STA. 599+22.40 - STA. 601+40 CTH GG LT.

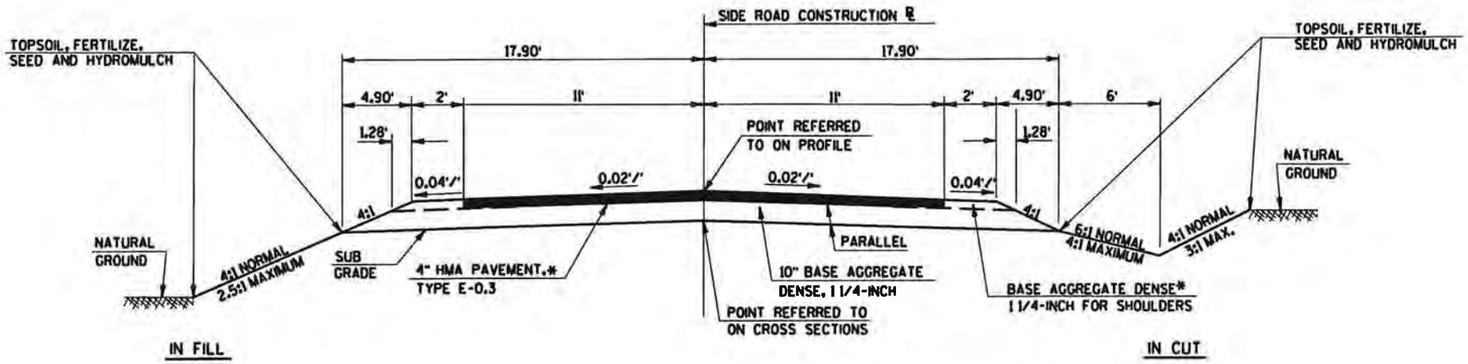
*-WORK TO BE DONE BY OTHERS



TYPICAL DITCH CONSTRUCTION FOR CTH T

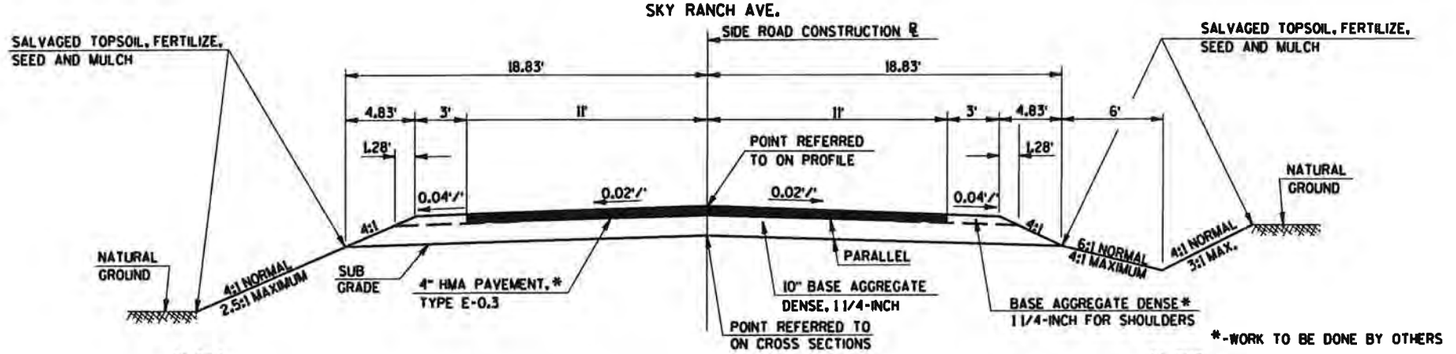
STA. 85+00 - STA. 86+00
(SEE CROSS SECTIONS)

PROJECT NO: 41-0452.00	HWY: CTH T	COUNTY: WINNEBAGO	TYPICAL SECTIONS	SHEET 7 E



TYPICAL FINISHED SECTION FOR SIDE ROADS

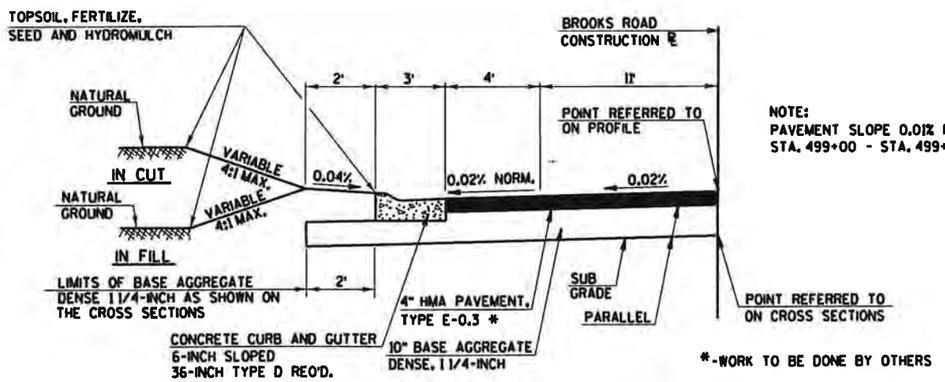
RICHARDS AVE.
ROBERTS AVE.
SKY RANCH AVE.



*-WORK TO BE DONE BY OTHERS

TYPICAL FINISHED SECTION FOR SIDE ROADS

CTH GG
BROOKS ROAD



NOTE:
PAVEMENT SLOPE 0.01% FROM STA. 499+00 - STA. 499+50 LT.

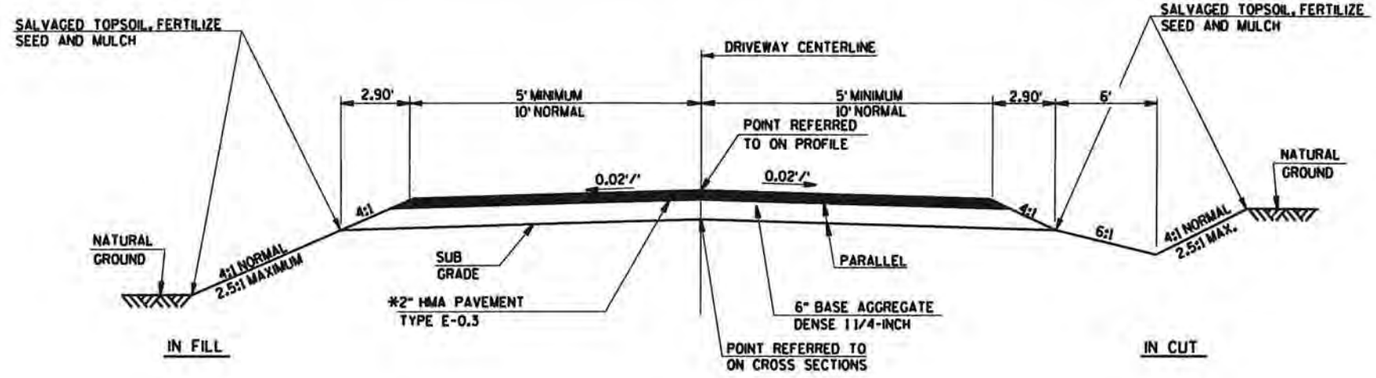
*-WORK TO BE DONE BY OTHERS

1/2 TYPICAL FINISHED SECTION FOR BROOKS ROAD

STA. 496+50 - STA. 501+50 LT.
STA. 499+31.07 - STA. 501+80 RT.

PROJECT NO: 41-0452.00	HWY: CTH T	COUNTY: WINNEBAGO	TYPICAL SECTIONS	SHEET 8 E

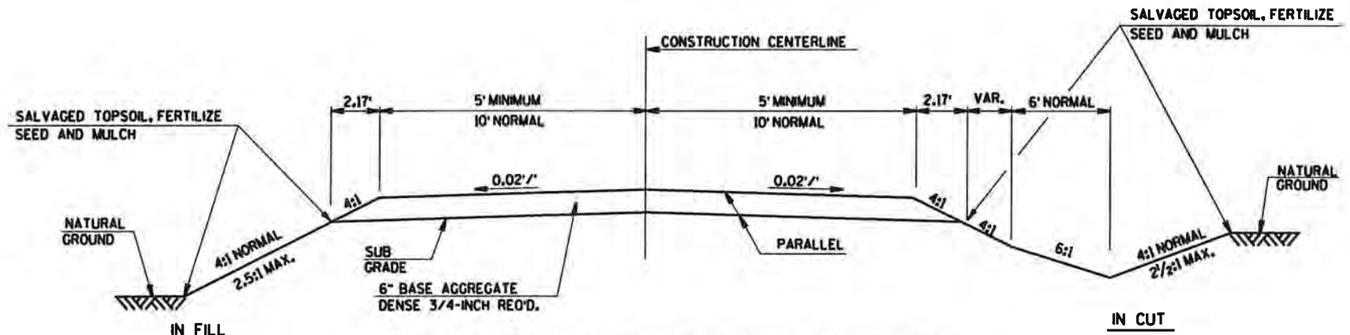
2



*-WORK TO BE DONE BY OTHERS

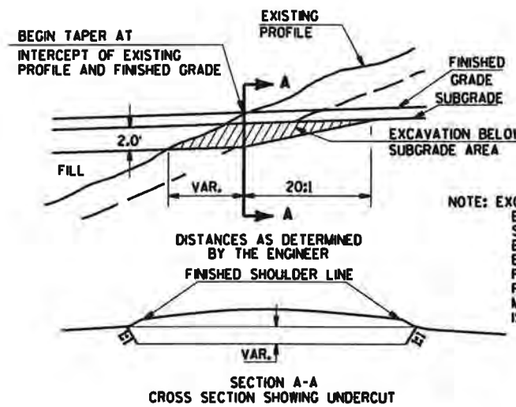
TYPICAL FINISHED SECTION FOR HMA PAVEMENT DRIVEWAY

(REPLACE IN KIND)



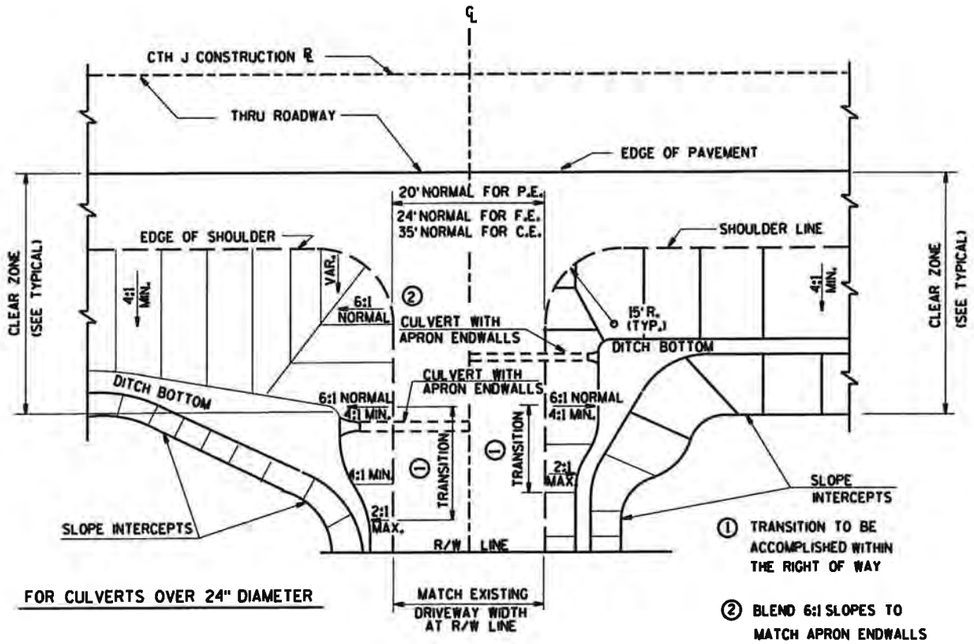
TYPICAL CROSS SECTION FOR BASE AGGREGATE DENSE PRIVATE ENTRANCES AND FIELD ENTRANCES

(REPLACE IN KIND)

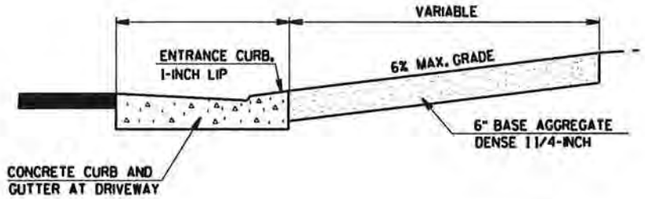


NOTE: EXCAVATE BELOW SUBGRADE ALL MOUTHS OF CUTS. EXACT LOCATIONS AND EXTENT OF EXCAVATION BELOW SUBGRADE (E.B.S.) SHALL BE DETERMINED BY THE ENGINEER IN THE FIELD. E.B.S. AREA TO BE BACKFILLED MUST BE HOMOGENEOUS WITH ADJOINING FILL MATERIAL ACCEPTABLE TO THE ENGINEER. THE FILL WITHIN 100' OF THE MOUTH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

DETAIL FOR EXCAVATION BELOW SUBGRADE AT CUTS

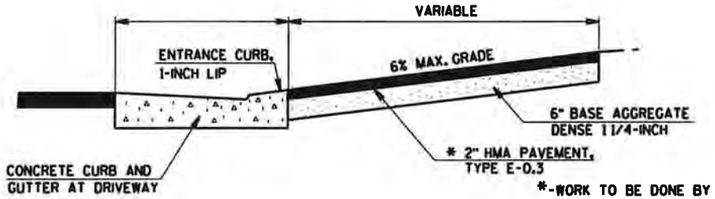


PRIVATE ENTRANCE GRADING DETAIL



TYPICAL LONGITUDINAL SECTION AT BASE AGGREGATE DENSE PRIVATE ENTRANCE

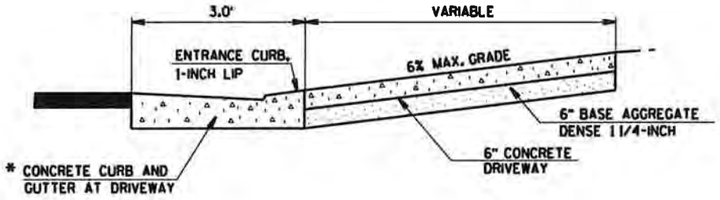
(REPLACE IN KIND)



*-WORK TO BE DONE BY OTHERS

TYPICAL LONGITUDINAL SECTION AT HMA PAVED PRIVATE ENTRANCES

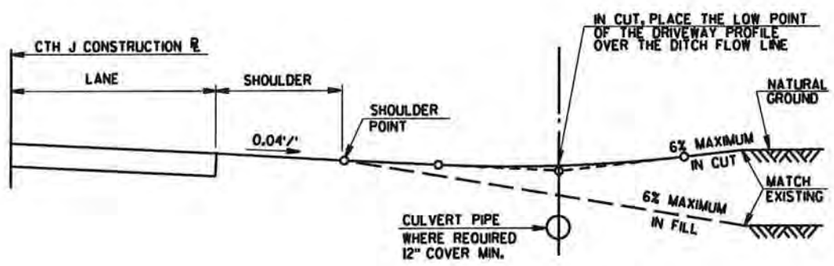
(REPLACE IN KIND)



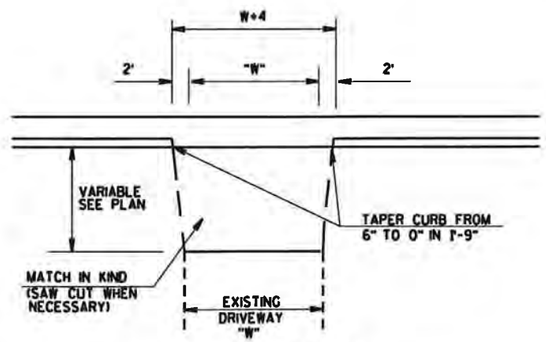
*-WORK TO BE DONE BY OTHERS

TYPICAL LONGITUDINAL SECTION AT CONCRETE DRIVEWAY

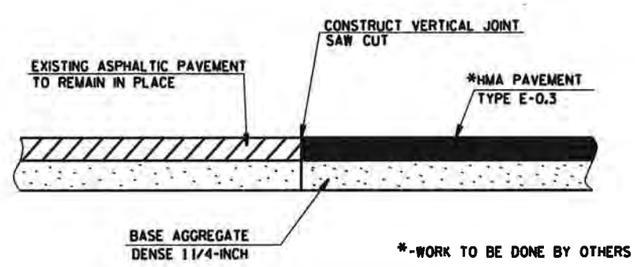
(REPLACE IN KIND)



TYPICAL DRIVEWAY PROFILES

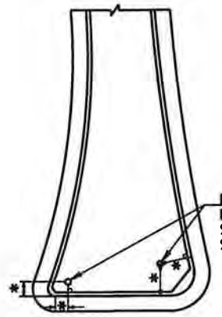


CURB CUT DETAIL FOR P.E.'s AND F.E's



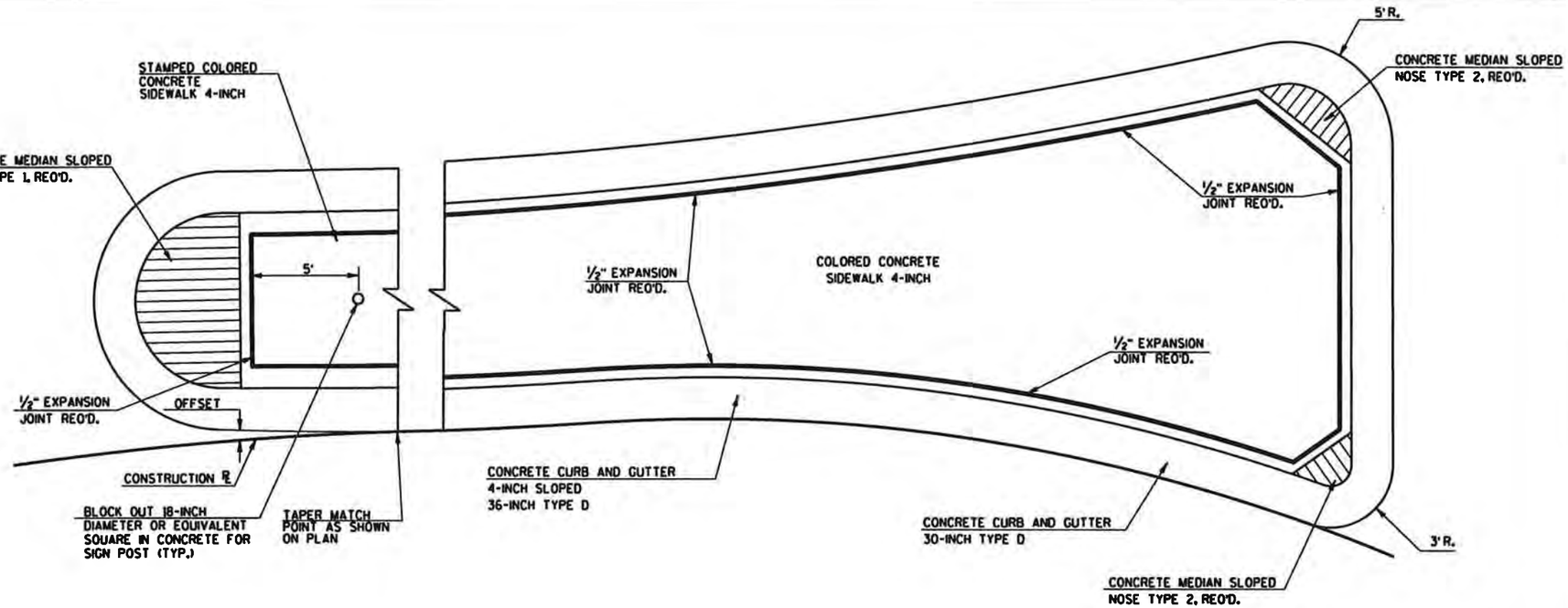
*-WORK TO BE DONE BY OTHERS

BUTT JOINT DETAIL

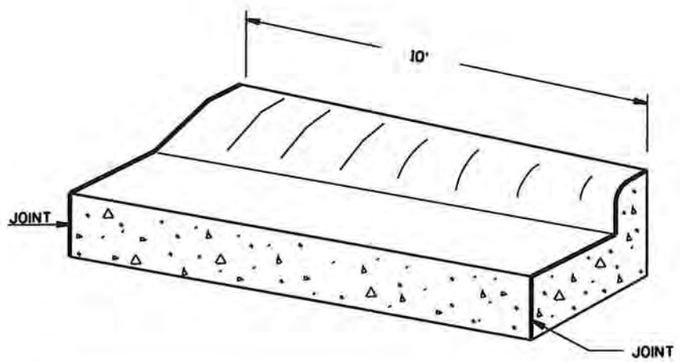


ISLAND SIGN LOCATION DETAIL (TYP.)

CONFIRM EXACT LOCATION OF
BLOCK OUTS WITH THE ENGINEER

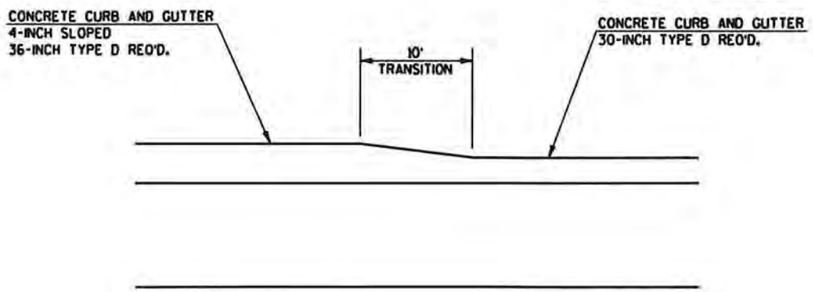


SPLITTER ISLAND DETAIL



CONCRETE CURB AND GUTTER TRANSITION DETAIL

CONCRETE CURB AND GUTTER 4-INCH SLOPED 36-INCH TYPE D TO CONCRETE
CURB AND GUTTER 30-INCH TYPE D
(TO BE MEASURED AND PAID FOR AS CONCRETE CURB AND GUTTER 4-INCH SLOPED 36-INCH TYPE D)

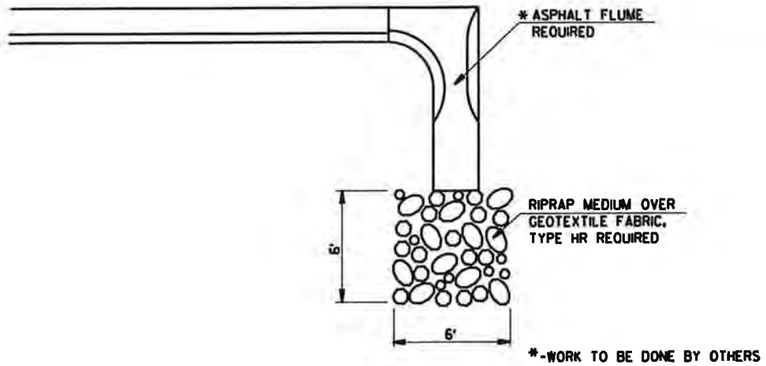


CONCRETE CURB AND GUTTER TRANSITION DETAIL

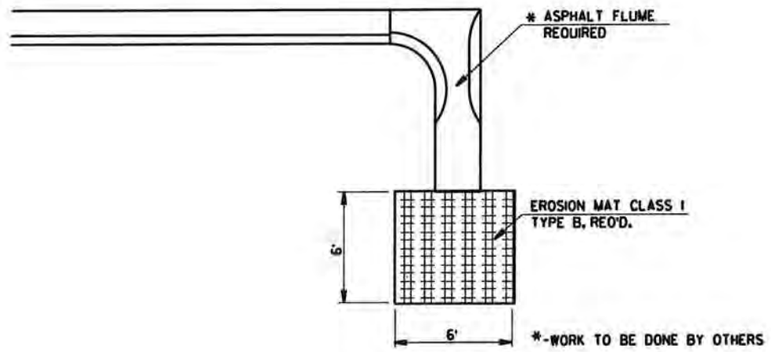
SEE PLAN DETAIL SHEETS FOR LOCATION

PROJECT NO: 41-0452.00	HWY: CTH T	COUNTY: WINNEBAGO	CONSTRUCTION DETAILS	SHEET 11 E

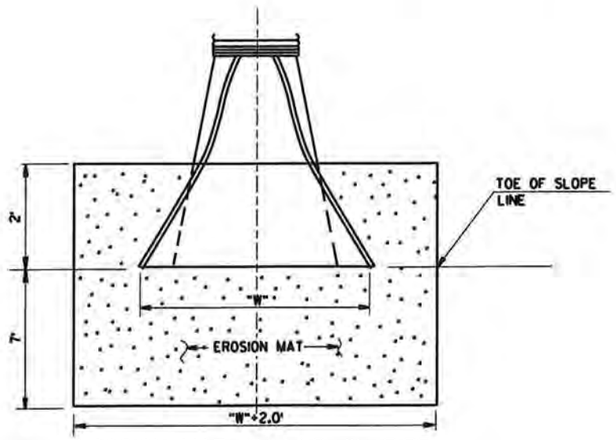
FILE NAME : ss....designfile....ss PLOT DATE : ss...plottingdate...ss PLOT BY : ss...plotuser...ss PLOT NAME : PLOT SCALE : ss.....plotscale.....ss WISDOT/CADDS SHEET 42



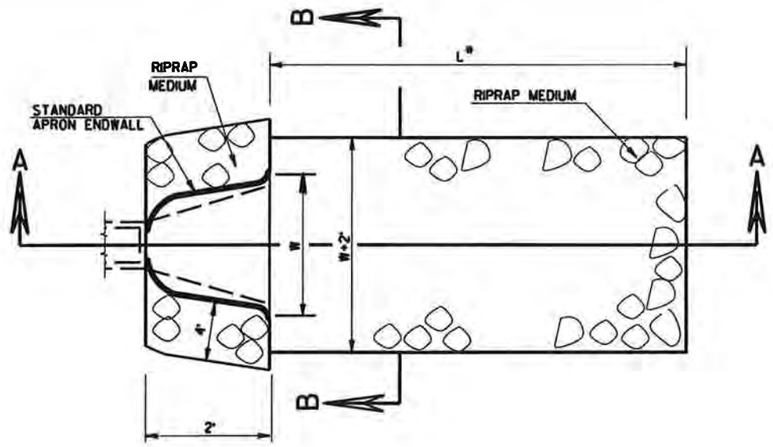
RIPRAP MEDIUM AT ASPHALT FLUME
(SEE MISCELLANEOUS QUANTITIES FOR LOCATION)



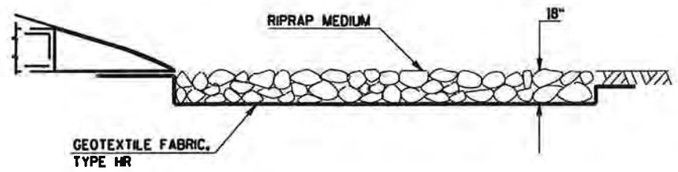
EROSION MAT AT ASPHALT FLUME
(SEE MISCELLANEOUS QUANTITIES FOR LOCATION)



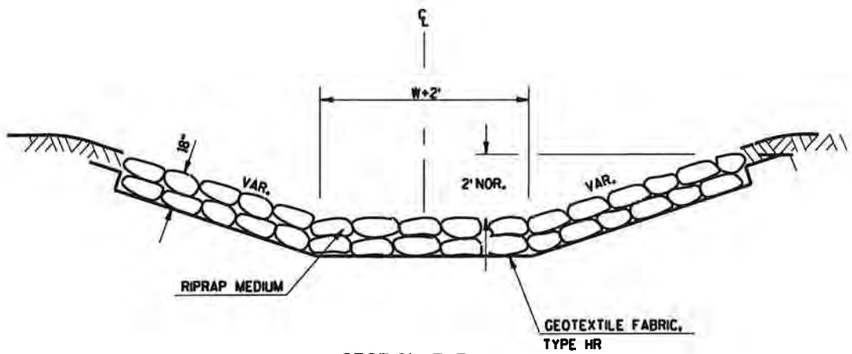
EROSION MAT AT END OF PIPE
(CONCRETE OR METAL)
(SEE MISCELLANEOUS QUANTITIES FOR LOCATIONS)



*L = 3 TIMES DIAMETER (NORMAL) OR 10' MIN. OR AS DIRECTED BY THE ENGINEER

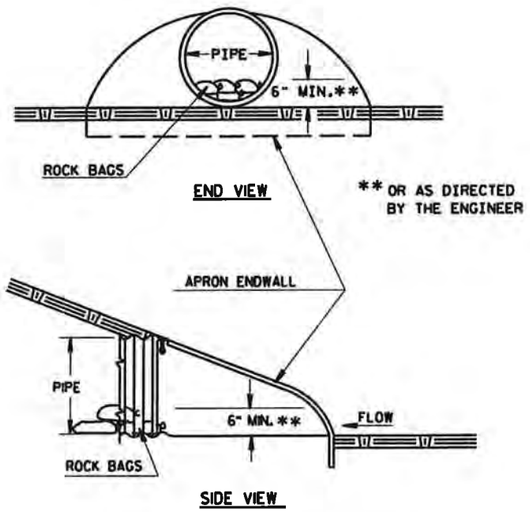


SECTION A-A

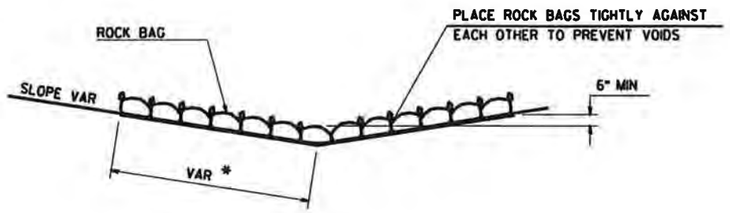


SECTION B-B

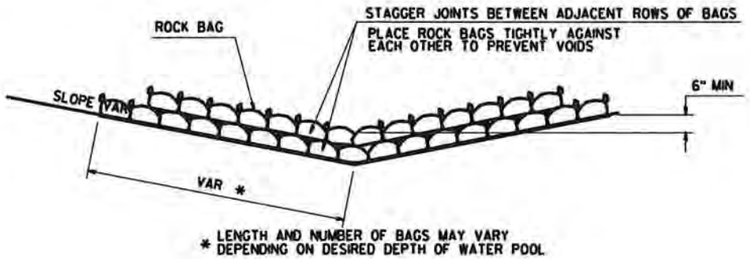
RIPRAP MEDIUM AND GEOTEXTILE FABRIC DETAIL AT APRON ENDWALLS



CULVERT PIPE DITCH CHECK



SIDE VIEW (SINGLE LAYER)

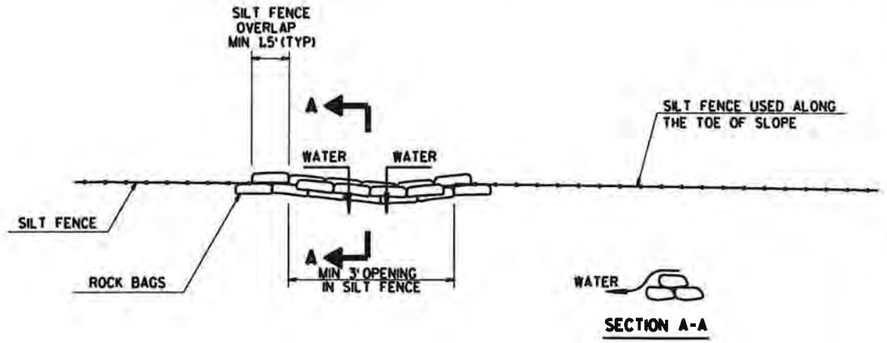


* LENGTH AND NUMBER OF BAGS MAY VARY DEPENDING ON DESIRED DEPTH OF WATER POOL

SIDE VIEW (MULTIPLE LAYER)

ROCK BAGS DITCH CHECK

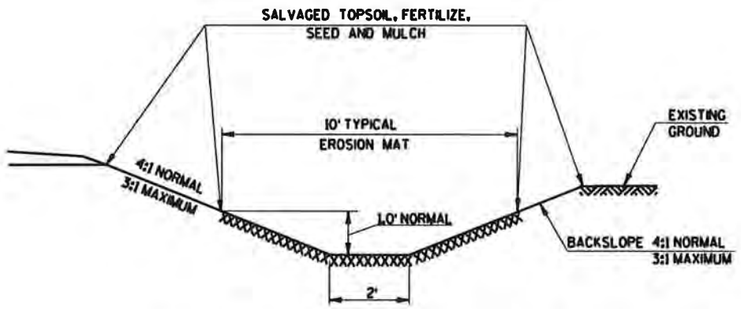
PAID AS ROCK BAGS



TOP VIEW

ROCK BAGS USED FOR SILT FENCE RELIEF DETAIL

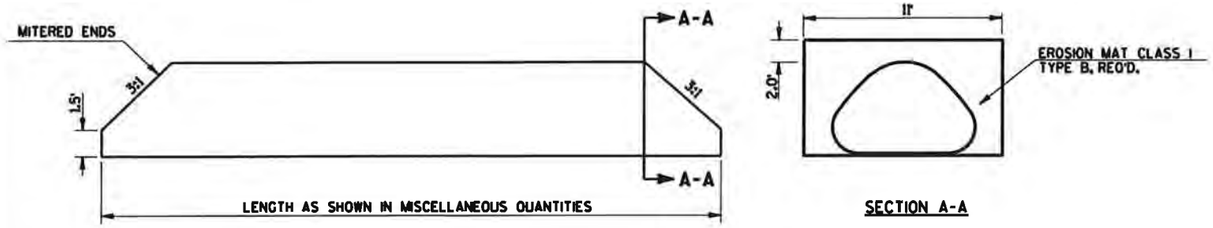
PAID AS ROCK BAGS



TYPICAL INSTALLATION FOR EROSION MAT

TRAPEZOIDAL DITCH LINING

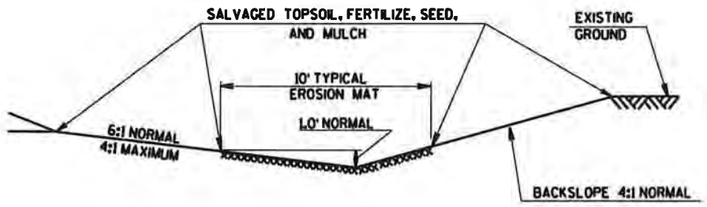
(SEE MISCELLANEOUS QUANTITIES FOR LOCATIONS)



DETAIL FOR 73" x 55" CULVERT PIPE

STA. 14+67 CTH T

STA. 14+78 CTH T

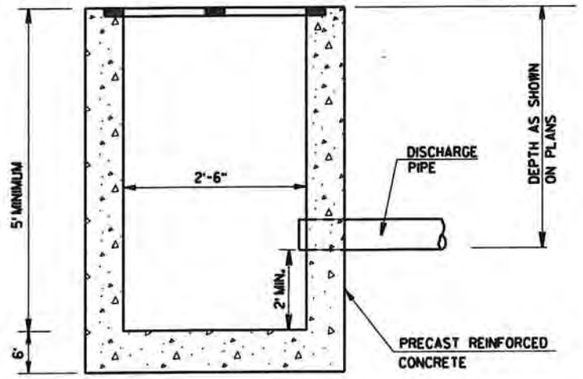


TYPICAL INSTALLATION FOR EROSION MAT

DITCH LINING

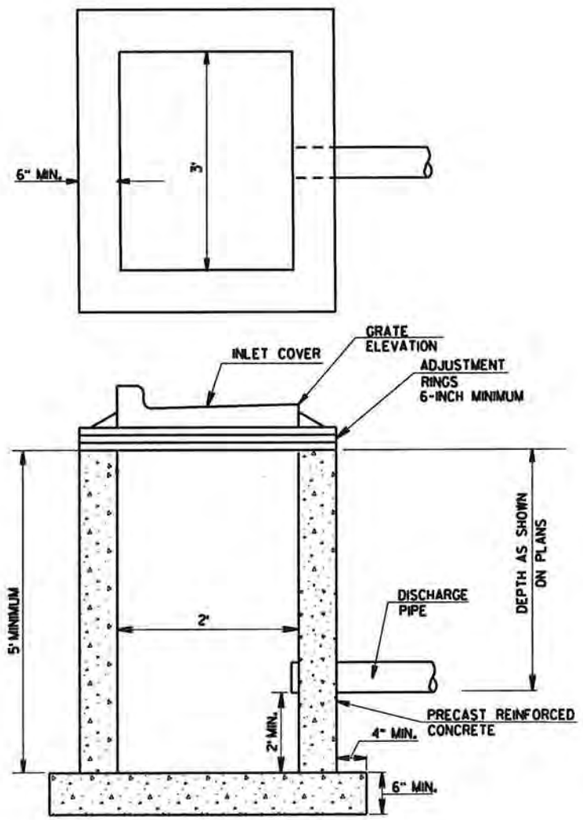
(SEE MISCELLANEOUS QUANTITIES FOR LOCATIONS)

2



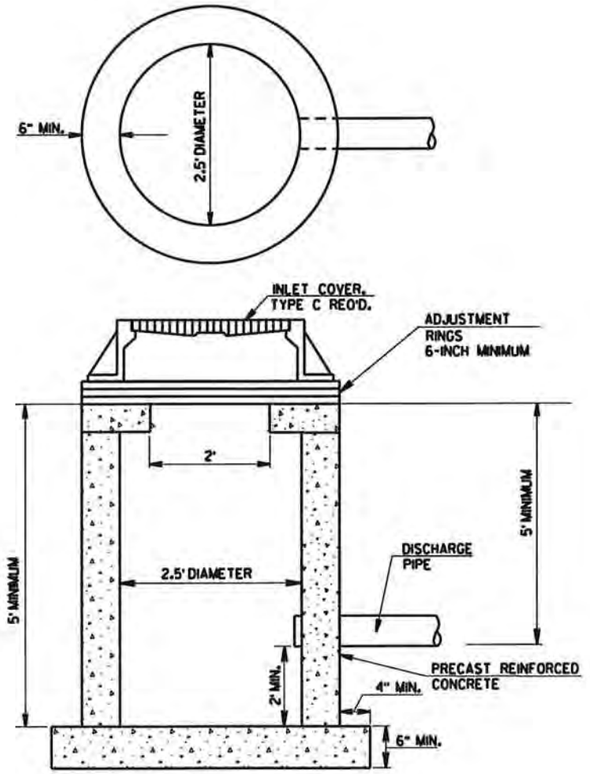
INLET TYPE 8 SPECIAL

SEE MISCELLANEOUS QUANTITIES FOR LOCATION AND DEPTHS
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP
NOT SHOWN ON THIS DRAWING WILL CONFORM TO THE STANDARD
DETAIL DRAWING FOR INLET TYPE 8



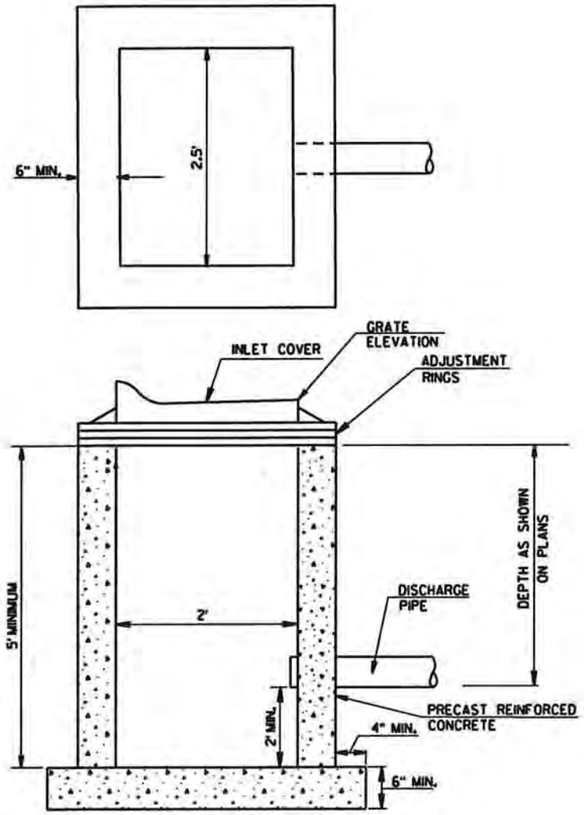
INLET TYPE 3 SPECIAL

SEE MISCELLANEOUS QUANTITIES FOR LOCATION AND DEPTHS
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP
NOT SHOWN ON THIS DRAWING WILL CONFORM TO THE STANDARD
DETAIL DRAWING FOR INLET TYPE 3



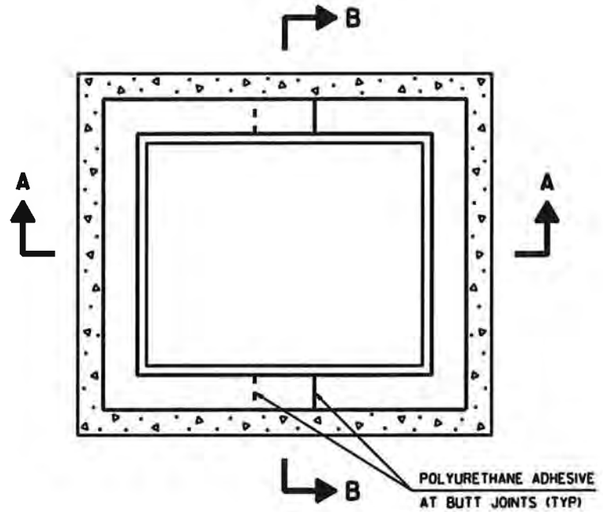
INLET TYPE 1 SPECIAL

SEE MISCELLANEOUS QUANTITIES FOR LOCATION AND DEPTHS
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP
NOT SHOWN ON THIS DRAWING WILL CONFORM TO THE STANDARD
DETAIL DRAWING FOR INLET TYPE 1



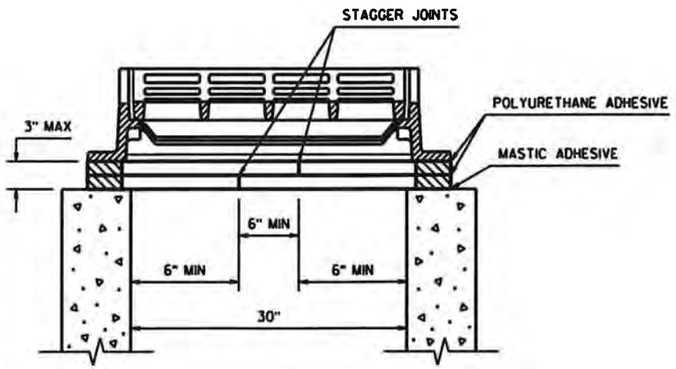
INLET TYPE 2 SPECIAL

SEE MISCELLANEOUS QUANTITIES FOR LOCATION AND DEPTHS
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP
NOT SHOWN ON THIS DRAWING WILL CONFORM TO THE STANDARD
DETAIL DRAWING FOR INLET TYPE 2

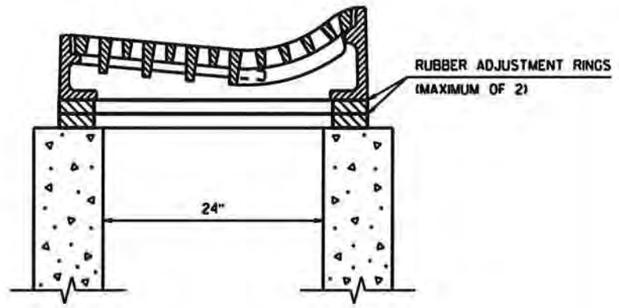


PLAN VIEW

NOTE: ALL CUTS MADE TO RUBBER ADJUSTMENT RINGS WILL BE PERPENDICULAR AND PROVIDE A TIGHT JOINT.



SECTION A-A

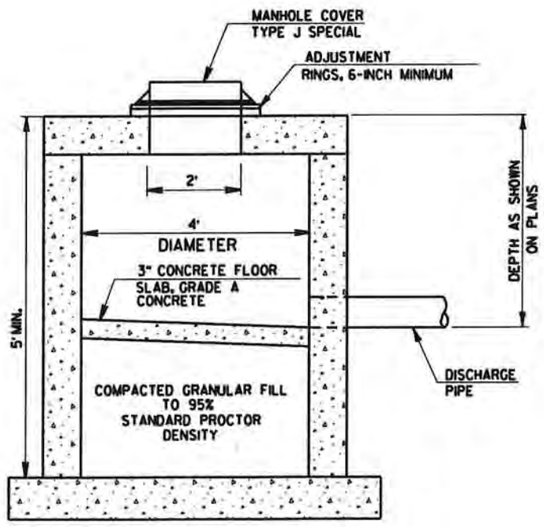


SECTION B-B

RUBBER RING CUTTING DETAIL FOR INLET TYPE 2 SPECIAL

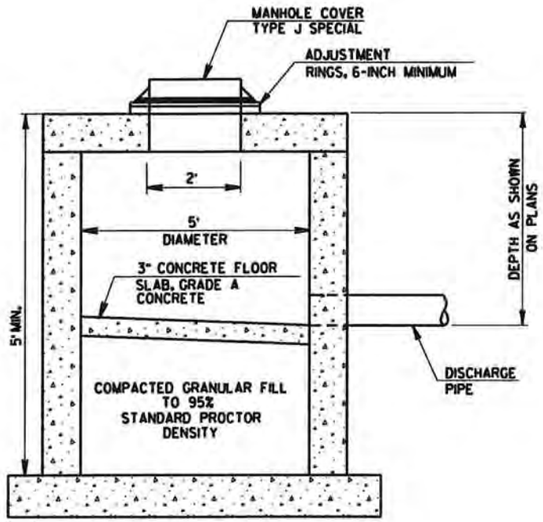
PROJECT NO: 41-0452.00	HWY: CTH T	COUNTY: WINNEBAGO	CONSTRUCTION DETAILS	SHEET 15 E

2



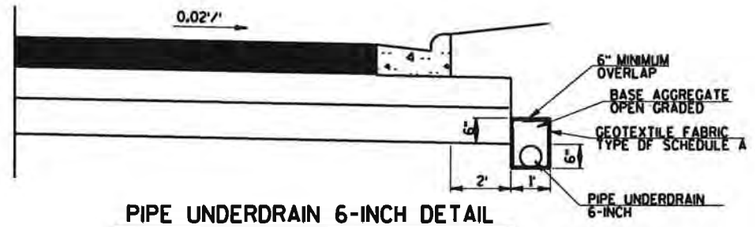
MANHOLE TYPE 1 SPECIAL

SEE MISCELLANEOUS QUANTITIES FOR LOCATION AND DEPTHS.
DETAILS OF CONSTRUCTION MATERIALS AND WORKMANSHIP
NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE STANDARD
DETAIL DRAWING FOR MANHOLE TYPE 1.



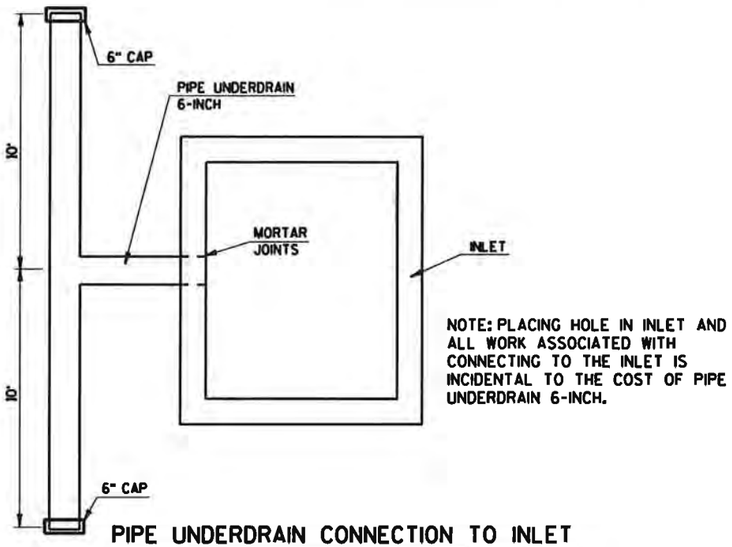
MANHOLE 5-FOOT

SEE MISCELLANEOUS QUANTITIES FOR LOCATION AND DEPTHS.



PIPE UNDERDRAIN 6-INCH DETAIL

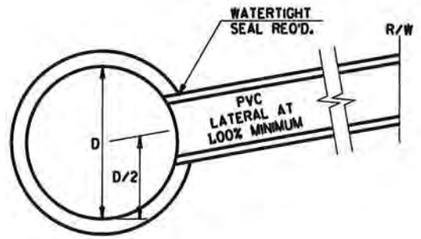
(SEE MISCELLANEOUS QUANTITIES FOR LOCATION)



NOTE: PLACING HOLE IN INLET AND ALL WORK ASSOCIATED WITH CONNECTING TO THE INLET IS INCIDENTAL TO THE COST OF PIPE UNDERDRAIN 6-INCH.

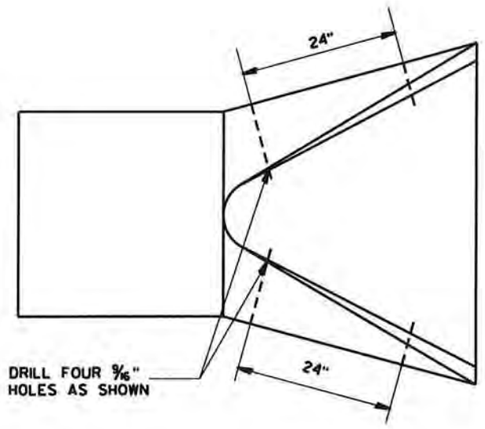
PIPE UNDERDRAIN CONNECTION TO INLET

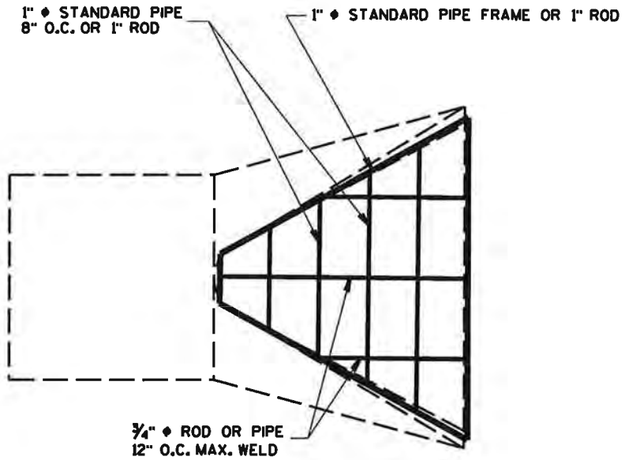
(SEE MISCELLANEOUS QUANTITIES FOR LOCATION)



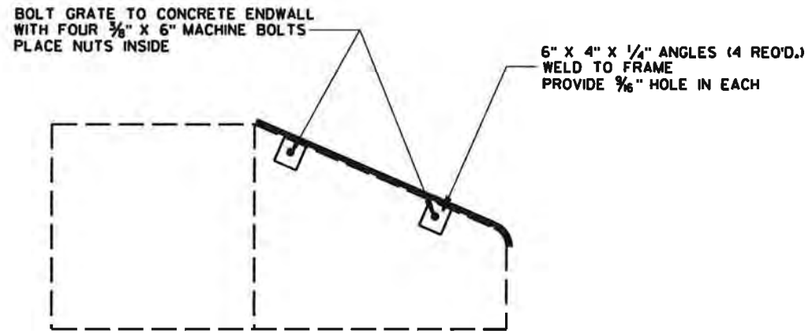
RESIDENTIAL STORM SEWER LATERAL, PIPE CONNECTION DETAIL

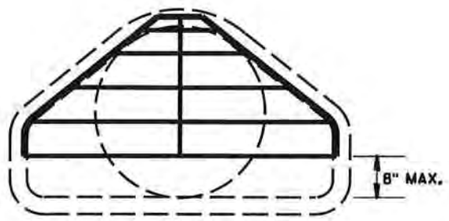
2





AT EACH PIPE





PIPE GRATE DETAIL

PROJECT NO: 41-0452.00	HWY: CTH T	COUNTY: WINNEBAGO	CONSTRUCTION DETAILS	SHEET 17 E

THOMAS R. AND AMY M. RUEGSEGGER

N

EXISTING R/W

SAW CUT REQUIRED

ASPHALTIC FLUME REQUIRED

TLE LINE

EXISTING R/W

BEGIN CONCRETE CURB AND GUTTER STA. 12+00 CTH T SBND.

CTH T SBND. CONSTRUCTION ℄

SAW CUT REQUIRED

SW QUADRANT EOP CONSTRUCTION ℄

SLOPE INTERCEPTS

CONCRETE CURB AND GUTTER
4-INCH SLOPED
36-INCH TYPE D REQ'D.

9+00 CTH T 768.87 10+00 769.47 769.50 11+00 770.10 770.12 770.74 770.75 12+00 771.37 771.70 772.05 772.43 13+00 772.84 773.26 773.68 774.10 14+00 774.52

771.01 771.19 771.53 771.90 00+115 772.30 772.71 773.13 773.55 00+015 773.97 774.40

+00 SBND.

+80.7 NBND. TR

13+00 772.80 773.20 773.60 774.00 14+00 774.40

12+00 771.37 771.70 772.04 772.41

413+00 772.56 772.96 773.36 773.76 414+00 774.15

412+00 771.07 771.41 771.76 772.15

412

(TO REMAIN) 18"CMP

EXISTING R/W

BEGIN PROJECT STA. 10+00.00

ASPHALTIC FLUME REQUIRED

BURIED GAS LINE (APPROXIMATE LOCATION)

BURIED TELEPHONE CABLE (APPROXIMATE LOCATION)

R/W LINE

SLOPE INTERCEPTS

CTH T NBND. CONSTRUCTION ℄

SE QUADRANT EOP CONSTRUCTION ℄

CONCRETE CURB AND GUTTER
4-INCH SLOPED
36-INCH TYPE D REQ'D.

BEGIN CONCRETE CURB AND GUTTER STA. 12+00 CTH T NBND.

GRUNDY ENTERPRISES

PROJECT NO: 41-0452.00	HWY: CTH T	COUNTY: WINNEBAGO	PLAN DETAIL	SHEET 18 E

FILE NAME : ss....designfile....ss

PLOT DATE : ss...plottingdate...ss PLOT BY : ss...plotuser...ss PLOT NAME :

PLOT SCALE : ss.....plotscale.....ss WISDOT/CADDS SHEET 42

THOMAS R. AND AMY M. RUEGSEGGER

CONCRETE CURB AND GUTTER
4-INCH SLOPED
36-INCH TYPE D REO'D.

(REMOVE)

10' TRANSITION

R/W LINE

CONCRETE CURB AND GUTTER
4-INCH SLOPED
36-INCH TYPE D REO'D.

CONCRETE CURB AND GUTTER
30-INCH TYPE D REO'D.

SW QUADRANT
EOP CONSTRUCTION ℄

APPROX W/S LIGHTING

CTH T SBND.
CONSTRUCTION ℄

10' TRANSITION

(REMOVE)

CTH T NBND.
CONSTRUCTION ℄

APPROX NEW GAS LINE

CONCRETE CURB AND GUTTER
30-INCH TYPE D REO'D.

R/W LINE

CONCRETE CURB AND GUTTER
4-INCH SLOPED
36-INCH TYPE D REO'D.

SLOPE
INTERCEPTS

SE QUADRANT
EOP CONSTRUCTION ℄

CTH Y WBND.
CONSTRUCTION ℄

CONCRETE CURB AND GUTTER
30-INCH TYPE D REO'D.

GRUNDY ENTERPRISES

HIGH POINT
STA. 1+64.73
778.94
LANDSCAPE AREA

CONCRETE CURB
TYPE A REO'D.

LOW POINT
STA. 3+26.52
777.56

BURIED TELEPHONE CABLE
(APPROXIMATE LOCATION)

(REMOVE)
ROBERT AND SHAWNA RUSSELL

CONCRETE CURB AND GUTTER
4-INCH SLOPED
36-INCH TYPE D REO'D.

SAW CUT
REQUIRED

BURIED GAS LINE
(APPROXIMATE LOCATION)

P.L.

ESTATE OF RONALD D. FURMAN, SR.

(REMOVE)

SAW CUT
REQUIRED

EXISTING R/W

TLE LINE

BURIED ELECTRIC LINE
(APPROXIMATE LOCATION)

BURIED TELEPHONE CABLE
(APPROXIMATE LOCATION)

CONCRETE CURB AND GUTTER
30-INCH TYPE D REO'D.

NW QUADRANT
EOP CONSTRUCTION ℄

SLOPE
INTERCEPTS

SAW CUT
REQUIRED

(REMOVE)

CONCRETE CURB AND GUTTER
4-INCH SLOPED
36-INCH TYPE R REO'D.

SLOPE
INTERCEPTS

BURIED GAS LINE
(APPROXIMATE LOCATION)

CONCRETE CURB AND GUTTER
30-INCH TYPE D REO'D.

NE QUADRANT
EOP CONSTRUCTION ℄

BURIED GAS LINE
(APPROXIMATE LOCATION)

CONCRETE CURB AND GUTTER
30-INCH TYPE D REO'D.

CTH Y EBND.
CONSTRUCTION ℄

KEIL G. AND
ARLENE M. ERDMAN

ELROY H. III AND
JILLIAN M. RAHMLOW

PROJECT NO: 41-0452.00	HWY: CTH T	COUNTY: WINNEBAGO	PLAN DETAIL	SHEET E

FILE NAME : $$....designfile....$$ PLOT DATE : $$...plottingdate...$$ PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

STEVEN AND EPIPHANIA GOTTESMAN

ROBERT AND SHAWNA RUSSELL

N

2

2

P.L.

P.L.

CONCRETE CURB AND GUTTER
4-INCH SLOPED
36-INCH TYPE D REQ'D.

BURIED GAS LINE
(APPROXIMATE LOCATION)

NW QUADRANT
EOP CONSTRUCTION ℄

CTH Y WBND.
CONSTRUCTION ℄

SLOPE
INTERCEPTS

TLE LINE

SAW CUT
REQUIRED

(REMOVE)

R/W LINE

EXISTING R/W

SAW CUT
REQUIRED

(REMOVE)

EXISTING R/W

200+00 CTH Y

201+00

787.54

202+00
786.60
786.59

785.65
785.63

203+00
784.71
784.68

783.77

783.73

204+00
782.82
782.77

781.89

781.63
+34.9 EBND.

781.15

780.67

780.20

615+00

616+00

779.73

779.26

779.73

781.88

781.40

780.93

780.46

779.99

779.42

779.04

205+00

206+00

782.35

782.29

781.84

781.82
781.56
781.34
781.11

780.86
780.64
780.39
780.17

779.91
779.71

779.43
779.24

778.95
778.77

505+00

506+00

18" RCCP (REMOVE)

EXISTING R/W

CONSTRUCTION LIMITS
STA. 201+25

SAW CUT
REQUIRED

R/W LINE

SLOPE
INTERCEPTS

SW QUADRANT
EOP CONSTRUCTION ℄

CTH Y EBND.
CONSTRUCTION ℄

(REMOVE)

R/W LINE

BEGIN CONCRETE CURB AND GUTTER
STA. 204+33.7 EBND.

CONCRETE CURB AND GUTTER
4-INCH SLOPED
36-INCH TYPE D REQ'D.

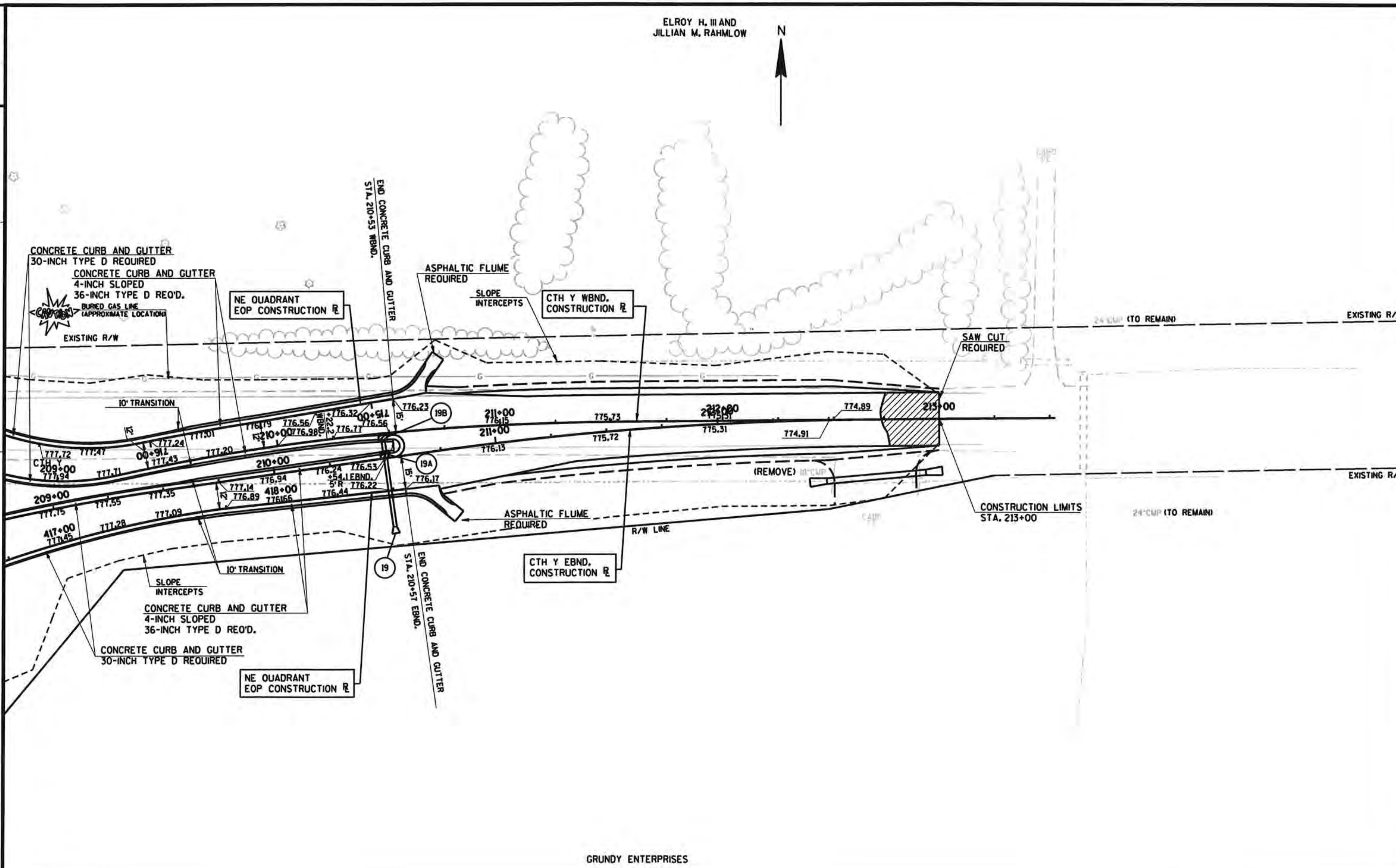
R/W LINE

P.L.

THOMAS R. AND AMY M. RUEGSEGGER

PROJECT NO: 41-0452.00	HWY: CTH T	COUNTY: WINNEBAGO	PLAN DETAIL	SHEET 20 E

FILE NAME : $$....designfile....$$ PLOT DATE : $$...plottingdate...$$ PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42



2
ELROY H. III AND
JILLIAN M. RAHMLOW
N
CONCRETE CURB AND GUTTER
30-INCH TYPE D REQUIRED
CONCRETE CURB AND GUTTER
4-INCH SLOPED
36-INCH TYPE D REQ'D.
BURIED GAS LINE
(APPROXIMATE LOCATION)
EXISTING R/W
NE QUADRANT
EOP CONSTRUCTION ℄
END CONCRETE CURB AND GUTTER
STA. 210+53 WBND.
ASPHALTIC FLUME
REQUIRED
SLOPE
INTERCEPTS
CTH Y WBND.
CONSTRUCTION ℄
(TO REMAIN)
EXISTING R/W
SAW CUT
REQUIRED
10' TRANSITION
211+00
211+00
213+00
(REMOVE)
CTH Y
209+00
210+00
418+00
417+00
EXISTING R/W
CONSTRUCTION LIMITS
STA. 213+00
(TO REMAIN)
ASPHALTIC FLUME
REQUIRED
R/W LINE
CTH Y EBND.
CONSTRUCTION ℄
10' TRANSITION
SLOPE
INTERCEPTS
CONCRETE CURB AND GUTTER
4-INCH SLOPED
36-INCH TYPE D REQ'D.
CONCRETE CURB AND GUTTER
30-INCH TYPE D REQUIRED
NE QUADRANT
EOP CONSTRUCTION ℄
END CONCRETE CURB AND GUTTER
STA. 210+57 EBND.
GRUNDY ENTERPRISES

PROJECT NO: 41-0452.00	HWY: CTH T	COUNTY: WINNEBAGO	PLAN DETAIL	SHEET 21	E

FILE NAME : $$....designfile....$$ PLOT DATE : $$...plottingdate...$$ PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

KEIL G. AND ARLENE M. ERDMAN

FRED W. AND LINDA HERNANDEZ

SHARON K. SIMON

ROBERT G. AND DANA J. MILLER

P.L.

EXISTING R/W

RICHARDS AVE

CTH T NORTHBOUND CONSTRUCTION ℄

CONSTRUCTION LIMITS STA. 302+30

SAW CUT REQUIRED

TLE FOR DRIVEWAY CONSTRUCTION AND SLOPING

CONCRETE CURB AND GUTTER 30-INCH TYPE D REQUIRED

BURIED TELEPHONE CABLE (APPROXIMATE LOCATION)

RESIDENTIAL STORM SEWER LATERAL

SLOPE INTERCEPTS

TLE LINE

EXISTING R/W

(REMOVE)

CTH T

RESIDENTIAL STORM SEWER LATERAL

BURIED GAS LINE (APPROXIMATE LOCATION)

CAUTION

BURIED ELECTRIC LINE (APPROXIMATE LOCATION)

CONCRETE CURB AND GUTTER 30-INCH TYPE D REQUIRED

SLOPE INTERCEPTS

TLE FOR DRIVEWAY CONSTRUCTION AND SLOPING

RESIDENTIAL STORM SEWER LATERAL

CONCRETE CURB AND GUTTER 30-INCH TYPE D REQUIRED

SAW CUT REQUIRED

BURIED ELECTRIC LINE (APPROXIMATE LOCATION)

BURIED TELEPHONE CABLE (APPROXIMATE LOCATION)

ELROY H. III AND JILLIAN M. RAHMLOW

MARK S. HAZELWOOD, SR. AND CAROL L. DAY

THOMAS A. MCGUIRE

PROJECT NO: 41-0452.00	HWY: CTH T	COUNTY: WINNEBAGO	PLAN DETAIL	SHEET 22 E

FILE NAME : $$....designfile....$$ PLOT DATE : $$...plottingdate...$$ PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

2

ROBERT G. AND DANA J. MILLER

STEVEN G. AND DEBRA J. DODD

DEVIN S. AND KATHERINE A. STELZNER

LARRY E. AND ELLEN J. NIEMUTH

2

N

P.I.

P.I.

P.I.

CTH T
CONSTRUCTION ℄

STA. 28+89.00 CTH T=
STA. 350+00.00 SKY RANCH AVE.

TLE FOR DRIVEWAY
CONSTRUCTION
AND SLOPING

CONCRETE CURB AND GUTTER
30-INCH TYPE D REQUIRED

TLE FOR DRIVEWAY
CONSTRUCTION
AND SLOPING

SAW CUT
REQUIRED

SAW CUT
REQUIRED

SLOPE
INTERCEPTS

SAW CUT
REQUIRED

SAW CUT
REQUIRED

TLE LINE

TLE LINE

TLE LINE

EXISTING R/W

RESIDENTIAL STORM
SEWER LATERAL

RESIDENTIAL STORM
SEWER LATERAL

RESIDENTIAL STORM
SEWER LATERAL

EXISTING R/W

(REMOVE) 15"CP

(REMOVE) 15"CP

(REMOVE)

15"CP (REMOVE)

8B

789.55 789.82 790.09 790.36 790.63 790.90 791.17 791.44 791.71 791.98 792.24 792.47 792.69 792.88 793.05 793.19 793.32 793.42 793.49 793.55 793.58 793.59 793.58 793.54 793.49

26+00 790.18 790.45 790.72 27+00 791.26 791.53 791.80 28+00 792.07 792.34 792.60 792.83 29+00 793.05 793.24 793.41 793.55 30+00 793.68 793.78 793.85 793.91 31+00 793.94 793.95 793.94 793.90 32+00 793.85

8

9

10

CTH T

789.55 789.82 790.09 790.36 790.63 790.90 791.17 791.44 791.71 791.98 792.23 792.60 793.00 792.82 793.05 793.19 793.32 793.42 793.49 793.55 793.58 793.59 793.58 793.54 793.49

(REMOVE)

(REMOVE) 8A

(REMOVE)

9A

(REMOVE)

EXISTING R/W

EXISTING R/W

EXISTING R/W

792.96

793.07

27'R.

27'R.

+50.25
45'RT.

+30.18
45'RT.

SLOPE
INTERCEPTS

SAW CUT
REQUIRED

TLE LINE

TLE LINE

TLE LINE

SLOPE
INTERCEPTS

TLE FOR DRIVEWAY
CONSTRUCTION
AND SLOPING

BURIED GAS LINE
(APPROXIMATE LOCATION)

TLE FOR DRIVEWAY
CONSTRUCTION
AND SLOPING

CONCRETE CURB AND GUTTER
30-INCH TYPE D REQUIRED

CONSTRUCTION LIMITS
STA. 350+70

SAW CUT
REQUIRED

BURIED TELEPHONE CABLE
(APPROXIMATE LOCATION)

P.I.

EXISTING R/W

SKY RANCH AVE

EXISTING R/W

P.I.

SAMUEL J. AND SHERRY L. TENBRINK

GREYDON M. AND JACQUELYN M. KUHN

LOUIS J. AND ETHEL L. REICHENBERGER

PROJECT NO: 41-0452.00	HWY: CTH T	COUNTY: WINNEBAGO	PLAN DETAIL	SHEET E

FILE NAME : $$....designfile....$$ PLOT DATE : $$...plottingdate...$$ PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

2

LARRY E. AND ELLEN J. NIEMUTH

BARBARA J. GILL

LARRY D. AND LINDA A. CARPENTER

N

EXISTING R/W

ROBERTS AVE

EXISTING R/W

GLENN S. AND PEGGY BIRDSALL

JASON J. AND JEFFREY J. SCHMOKER

2

P.L.

P.L.

P.L.

CTH T NORTHBOUND CONSTRUCTION ℄

RESIDENTIAL STORM SEWER LATERAL

SAW CUT REQUIRED

TLE LINE

EXISTING R/W

(REMOVE)

CONCRETE CURB AND GUTTER 30-INCH TYPE D REQUIRED

SAW CUT REQUIRED

CONSTRUCTION LIMITS STA. 359+30

+40.64 45' RT.

+20.64 45' RT.

27' R.

27' R.

792.90

792.90

792.76

792.61

792.61

(REMOVE)

BURIED TELEPHONE LINE (APPROXIMATE LOCATION)

TLE FOR SLOPING

CONCRETE CURB AND GUTTER 30-INCH TYPE D REQUIRED

TLE LINE

RESIDENTIAL STORM SEWER LATERAL

EXISTING R/W

(REMOVE)

11B

12B

11

12

793.49 793.41 793.32 793.22 793.13 793.04 792.95 792.86 792.77 792.67 792.58 792.49 792.40 792.31 792.22 792.14 792.09 792.08 792.09 792.14 792.22 792.31 792.40 792.49 792.59

32+00 33+00 34+00 35+00 36+00 37+00 38+00

793.85 793.77 793.68 793.58 793.49 793.40 793.31 793.22 793.13 793.03 792.94 792.85 792.76 792.67 792.58 792.50 793.45 792.44 792.45 792.50 792.58 792.67 792.76 792.85 792.95

CTH T

50'

793.49 793.41 793.32 793.22 793.13 793.04 792.95 792.86 792.77 792.67 792.58 792.49 792.40 792.31 792.22 792.14 792.09 792.08 792.09 792.14 792.22 792.31 792.40 792.49 792.59

BMS

(REMOVE)

EXISTING R/W

11A

12A

TLE LINE

BURIED GAS LINE (APPROXIMATE LOCATION)

SLOPE INTERCEPTS

CONCRETE CURB AND GUTTER 30-INCH TYPE D REQUIRED

TLE FOR SLOPING AND DRIVEWAY CONSTRUCTION

STA. 34+80.50 CTH T=
STA. 360+00.00 ROBERTS AVE.

P.L.

LOUIS J. AND ETHEL L. REICHENBERGER

THOMAS L. AND MARIBETH GABERT

PROJECT NO: 41-0452.00	HWY: CTH T	COUNTY: WINNEBAGO	PLAN DETAIL	SHEET E

FILE NAME : $$....designfile....$$ PLOT DATE : $$...plottingdate...$$ PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

2

GLENN S. AND PEGGY BIRDSALL

N

EXISTING R/W

PERREN WAY

EXISTING R/W

RONALD M. AND DONNA M. MISCHLER

RANDAL T. DARABOSH

P.L.

2

CTH T NORTHBOUND CONSTRUCTION ℄

SAW CUT REQUIRED

TLE FOR SLOPING AND DRIVEWAY CONSTRUCTION

SLOPE INTERCEPTS

CONCRETE CURB AND GUTTER 30-INCH TYPE D REQUIRED

TLE LINE

EXISTING R/W

(REMOVE)

13B

14B

RESIDENTIAL STORM SEWER LATERAL

SAW CUT REQUIRED

TLE LINE

EXISTING R/W

(REMOVE)

(REMOVE)

792.59	792.68	792.77		792.87	792.98	793.11	793.25	793.41	793.58	793.76	793.96	794.16	794.37	794.57	794.77		794.98	795.18	795.39	795.59	795.80	796.00	796.21	796.41	796.61	796.82
38+00			13	39+00					40+00				41+00			14	42+00					43+00				44+00	
792.95	793.04	793.13		793.23	793.34	793.47	793.61	793.77	793.94	794.12	794.32	794.52	794.73	794.93	795.13		795.34	795.54	795.75	795.95	796.16	796.36	796.57	796.77	796.97	797.18

CTH T

18'

18'

792.59	792.68	792.77		792.87	792.98	793.11	793.25	793.41	793.58	793.76	793.96	794.16	794.37	794.57	794.77		794.98	795.18	795.39	795.59	795.80	796.00	796.21	796.41	796.61	796.82

(REMOVE)

13A

EXISTING R/W

TLE LINE

14A

BURIED GAS LINE (APPROXIMATE LOCATION)

CONCRETE CURB AND GUTTER 30-INCH TYPE D REQUIRED

SLOPE INTERCEPTS

TLE FOR SLOPING AND DRIVEWAY CONSTRUCTION

SAW CUT REQUIRED

BURIED TELEPHONE CABLE (APPROXIMATE LOCATION)

BURIED ELECTRIC CABLE (APPROXIMATE LOCATION)

Y=499567.861
X=781081.277

P.L.

P.L.

DENNIS J. AND SANDRA J. FERGUSON

KENNETH L. AND ELEANORA R. ANGLE

PROJECT NO: 41-0452.00	HWY: CTH T	COUNTY: WINNEBAGO	PLAN DETAIL	SHEET E

FILE NAME : $$....designfile....$$ PLOT DATE : $$...plottingdate...$$ PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

PROJECT NO: 41-0452.00	HWY: CTH T	COUNTY: WINNEBAGO	PLAN DETAIL	SHEET 26	E

2

TODD S. DEVENS, LC PURCHASER
FLORENCE E. DEVENS, LC VENDOR

MARK E. AND JUDITH M. LENZ

JON E. AND DONNA M. MULLEN

N

BURIED ELECTRIC LINE (APPROXIMATE LOCATION)

P.I.

ASPHALTIC FLUME REQUIRED

BEGIN CONCRETE CURB AND GUTTER STA. 65+80

CONCRETE CURB AND GUTTER
6-INCH SLOPED
36-INCH TYPE D REQ'D

TLE FOR SLOPING, DRIVEWAY CONSTRUCTION AND PIPE INSTALLATION

CTH T NORTHBOUND CONSTRUCTION ℄

SAW CUT REQUIRED

SLOPE INTERCEPTS

SAW CUT REQUIRED

RESIDENTIAL STORM SEWER LATERAL

R/W LINE

100' TAPER

TLE LINE

EXISTING R/W

EDGE OF SHOULDER
EDGE OF PAVED SHOULDER
EDGE OF PAVEMENT

(REMOVE)

20

21

62+00 CTH T	63+00	64+00	65+00	66+00	67+00	68+00
				807.82 807.90 807.99 808.09 808.19 808.29 808.38 808.48 808.58 808.67		
				808.08 808.26 808.35 808.45 808.55 808.65 808.74 808.84 808.94 809.03		

12" 3% 3%

EDGE OF PAVEMENT
EDGE OF PAVED SHOULDER
EDGE OF SHOULDER

808.48 18"

808.58 808.67

100' TAPER

EXISTING R/W

R/W LINE

SLOPE INTERCEPTS

ASPHALTIC FLUME REQUIRED

BEGIN CONCRETE CURB AND GUTTER STA. 67+50

BURIED GAS LINE (APPROXIMATE LOCATION)

CONCRETE CURB AND GUTTER
6-INCH SLOPED
36-INCH TYPE D REQ'D

P.I.

JUAN C. AND CYNTHIA T. LOZANO

CARLTON W. AND GLADYS E. MARONN LIVING TRUST

PROJECT NO: 41-0452.00	HWY: CTH T	COUNTY: WINNEBAGO	PLAN DETAIL	SHEET E

FILE NAME : $$....designfile....$$ PLOT DATE : $$...plottingdate...$$ PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

2

TODD S. DEVENS, LC PURCHASER
FLORENCE E. DEVENS, LC VENDOR

N

SLOPE INTERCEPTS

CONCRETE CURB AND GUTTER
6-INCH SLOPED
36-INCH TYPE D REQ'D.

EXISTING R/W

BEGIN CONCRETE CURB AND GUTTER
STA. 496+50

BURIED GAS LINE
(APPROXIMATE LOCATION)

SAW CUT REQUIRED

SAW CUT REQUIRED

SLOPE INTERCEPTS

REMOVE CONCRETE ASPHALTIC FLUME REQUIRED

+40.81
58' LT.

40' R.

23A

SAW CUT REQUIRED

EXISTING R/W

496 497 498 499

813.56 813.52 813.35 813.04 812.66 812.28 811.89 811.44 811.13 810.75 810.37 809.99 809.71 809.91 809.60 809.74

813.86 813.82 813.65 813.34 812.96 812.58 812.19 811.74 811.43 811.05 810.67 810.29

BROOKS ROAD

809.75

60' TAPER

809.47

EXISTING R/W

CONSTRUCTION LIMITS
STA. 496+00

R/W LINE

SLOPE INTERCEPTS

PI STA. 69+89.75 CTH T

STA. 69+87.06 CTH T =
STA. 500+00.00 BROOKS ROAD

+31.07
58' LT.

40' R.

23

CTH T NORTHBOUND
CONSTRUCTION ℄

R/W LINE

CONCRETE CURB AND GUTTER
6-INCH SLOPED
36-INCH TYPE D REQ'D.

22

R/W LINE

21

TODD S. DEVENS, LC PURCHASER
FLORENCE E. DEVENS, LC VENDOR

CTH T

810.95 811.32 810.70 811.06 810.44 810.80 810.21 810.57 810.00 810.36 809.74 810.17 809.60 810.00 809.72 809.85 809.61 809.16 809.52 809.06 809.42 808.96 809.32 808.87 809.23 808.77 809.13 808.67 809.03

71+00 70+00 69+00 68+00

THOMAS J. WILLIAMS AND
MARY BETH WILLIAMS

SLOPE INTERCEPTS

100' TAPER

END CONCRETE CURB AND GUTTER
STA. 71+50

18' 18'

(REMOVE)

SAW CUT REQUIRED

TLE FOR SLOPING AND DRIVEWAY CONSTRUCTION

TLE LINE

EXISTING R/W

CONCRETE CURB AND GUTTER
6-INCH SLOPED
36-INCH TYPE D REQ'D.

BURIED TELEPHONE LINE
(APPROXIMATE LOCATION)

+42.57
58' LT.

40' R.

ASPHALTIC FLUME REQUIRED

CONSTRUCTION LIMITS
STA. 502+20

EXISTING R/W

END CONCRETE CURB AND GUTTER
STA. 501+50

SLOPE INTERCEPTS

(REMOVE)

809.75 809.04

808.52 807.98 807.57 807.35 807.23

501

808.78 808.28 807.87 807.65 807.53 807.37

502

BROOKS ROAD

808.42 807.98 807.57 807.35 807.23 807.07

809.05

(REMOVE)

EXISTING R/W

809.20

35' R.

+37.12
53' RT.

SAW CUT REQUIRED

REMOVE ASPHALT

SLOPE INTERCEPTS

SAW CUT REQUIRED

ASPHALTIC FLUME REQUIRED

CONCRETE CURB AND GUTTER
6-INCH SLOPED
36-INCH TYPE D REQ'D.

EXISTING R/W

18' 18'

BURIED GAS LINE
(APPROXIMATE LOCATION)

SAW CUT REQUIRED

WILLIAM D. AND ELLEN E. PITSCH

P.L.

END CONCRETE CURB AND GUTTER
STA. 501+90

SLOPE INTERCEPTS

PROJECT NO: 41-0452.00	HWY: CTH T	COUNTY: WINNEBAGO	PLAN DETAIL	SHEET E

FLORENCE E. DEVENS, LC VENDOR
TODD S. DEVENS, LC PURCHASER

P.L.
BARBARA BEISER

CONCRETE CURB AND GUTTER
6-INCH SLOPED
36-INCH TYPE D REQ'D

END CONCRETE CURB AND GUTTER
STA. 73+00

P.L.

CTH T NORTHBOUND
CONSTRUCTION ℄

SLOPE
INTERCEPTS

R/W LINE

EXISTING R/W

(REMOVE) 12" CMP

(REMOVE) 36" CMPS

100' TAPER

EDGE OF SHOULDER
EDGE OF PAVED SHOULDER
EDGE OF PAVEMENT

810.70 810.96 811.23 811.49 811.76 812.02 812.29

811.06 811.32 72+00 811.59 811.85 812.12 812.38 73+00 812.65

CTH T

74+00 75+00 76+00 77+00

18"

810.70

100' TAPER

(REMOVE) EDGE OF PAVEMENT
EDGE OF PAVED SHOULDER
EDGE OF SHOULDER

(REMOVE)

TLE LINE

TLE FOR SLOPING
AND DRIVEWAY
CONSTRUCTION

CONCRETE CURB AND GUTTER
6-INCH SLOPED
36-INCH TYPE D REQ'D

END CONCRETE CURB AND GUTTER
STA. 71+50

BURIED TELEPHONE CABLE
(APPROXIMATE LOCATION)

BURIED ELECTRIC LINE
(APPROXIMATE LOCATION)

SLOPE
INTERCEPTS

BURIED GAS LINE
(APPROXIMATE LOCATION)

SAW CUT
REQUIRED

R/W LINE

P.L.

THOMAS J. WILLIAMS AND
MARY BETH WILLIAMS

DANIEL REISER

PAUL D. MATSCHE

WILLIAM J. & DORIS L. WOLFGRAM

PROJECT NO: 41-0452.00	HWY: CTH T	COUNTY: WINNEBAGO	PLAN DETAIL	SHEET 29 E

WILDE FARMS, INC.

N

CTH T NORTHBOUND CONSTRUCTION ℄

SLOPE INTERCEPTS

R/W LINE

EDGE OF SHOULDER
EDGE OF PAVED SHOULDER
EDGE OF PAVEMENT

(REMOVE)

CTH T	99+00	831.58	100+00	831.90	832.16	832.42	832.69	101+00	832.95	833.20	833.44	833.66	102+00	833.86	834.05	834.21	834.36	103+00	834.50	834.60	104+00
		831.22		831.54	831.80	832.06	832.33		832.59	832.84	833.08	833.30		833.50	833.69	833.85	834.00		834.14	834.24	

18" 12" 3" 3" 3"

100' TAPER

EXISTING R/W

R/W LINE

100' TAPER

EDGE OF PAVEMENT
EDGE OF PAVED SHOULDER
EDGE OF SHOULDER

R/W LINE

SLOPE INTERCEPTS

ASPHALTIC FLUME REQUIRED

(REMOVE)
BURIED TELEPHONE CABLE (APPROXIMATE LOCATION)

SAW CUT REQUIRED

EXACT LOCATION TO BE DETERMINED BY THE ENGINEER IN THE FIELD.

BEGIN CONCRETE CURB AND GUTTER STA. 99+70

CONCRETE CURB AND GUTTER
6-INCH SLOPED
36-INCH TYPE D REQ'D

END CONCRETE CURB AND GUTTER STA. 103+20

P.L.

JERRY W. AND LINDA J. POWERS

CURTIS M. AND LISA B. DOBBERKE

PROJECT NO: 41-0452.00	HWY: CTH T	COUNTY: WINNEBAGO	PLAN DETAIL	SHEET E

WILDE FARMS, INC.

N

FLORENCE E. DEVENS-LC VENDOR
TODD S. DEVENS-LC PURCHASER

P.L.

VIRGINIA L. SCHONSCHECK

P.L.

P.L.

CTH T NORTHBOUND
CONSTRUCTION ℄

BEGIN CONCRETE CURB AND GUTTER
STA. 110+00

ASPHALTIC FLUME
REQUIRED

CONCRETE CURB AND GUTTER
6-INCH SLOPED
36-INCH TYPE D REQ'D

TLE FOR SLOPING
AND DRIVEWAY
CONSTRUCTION

END CONCRETE CURB AND GUTTER
STA. 114+00

R/W LINE

TLE LINE

EDGE OF SHOULDER
EDGE OF PAVED SHOULDER
EDGE OF PAVEMENT

100' TAPER

EXISTING R/W

SLOPE
INTERCEPTS

(REMOVE)

(REMOVE)

100' TAPER

R/W LINE

		837.61	837.73	837.86	837.98	838.11	838.23	838.35	838.48	838.60	838.73	838.85	838.97	839.10	839.22	839.35	839.47		839.59
CTH T	109+00	110+00	837.97	838.09	838.22	838.34	111+00	838.47	838.59	838.71	838.84	112+00	838.96	839.09	839.21	839.33	113+00	839.46	839.58	839.71	839.83		114+00	839.95

18"

18"

5" 5" 12"

EDGE OF PAVEMENT
EDGE OF PAVED SHOULDER
EDGE OF SHOULDER

BURIED TELEPHONE CABLE
(APPROXIMATE LOCATION)

SLOPE
INTERCEPTS

R/W LINE

CURTIS M. AND
LISA B. DOBBERKE

PROJECT NO: 41-0452.00	HWY: CTH T	COUNTY: WINNEBAGO	PLAN DETAIL	SHEET 31 E

FILE NAME : $$....designfile....$$ PLOT DATE : $$...plottingdate...$$ PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

AXELSEN REV TRUST

N

ASPHALTIC FLUME REQUIRED

END CONCRETE CURB AND GUTTER STA. 598+25

P.L.

TOWN OF VINLAND

CTH GG

CONSTRUCTION LIMITS
STA. 597+25
SAW CUT REQ'D.
(SEE PLAN AND PROFILE SHEET)

DONALD BARTLETT

BEGIN CONCRETE CURB AND GUTTER STA. 119+40

CTH T NORTHBOUND CONSTRUCTION ℄

SLOPE INTERCEPTS

TLE FOR SLOPING

SAW CUT REQUIRED

TLE LINE

EXISTING R/W

(REMOVE)

BURIED TELEPHONE CABLE (APPROXIMATE LOCATION)

CONCRETE CURB AND GUTTER
6-INCH SLOPED
36-INCH TYPE D REQ'D

R/W LINE

+22.41
58'LT.

40'R

18'

834.86

835.51

28

836.15

100' TAPER

838.13

837.97 837.86 837.75 837.64 837.42 837.21 836.99 836.77 836.55 836.34

CTH T 119+00 838.45 838.33 120+00 838.22 838.11 838.00 837.78 121+00 837.57 837.35 837.13 836.91 122+00 836.70 836.48 836.26 836.04 123+00 835.83 835.61 835.29 835.17 124+00 125+00

834.51 834.25 833.99 833.89 834.15 834.41 834.68 835.04 834.77 834.65

60'TAPER

60'R

+57.73
78'LT.

PI STA. 122+80.12 CTH T=
STA. 600+00.00 CTH GG

ASPHALTIC FLUME REQUIRED

BURIED TELEPHONE CABLE (APPROXIMATE LOCATION)

CONCRETE CURB AND GUTTER
6-INCH SLOPED
36-INCH TYPE D REQ'D

END PROJECT
STA. 124+00

SLOPE INTERCEPTS

27

90' TAPER

834.81

834.97

SAW CUT REQ'D.

TEMPORARY CONNECTION
STA. 124+00 TO STA. 125+00

835.14 834.93 834.81 834.68

835.38

60'TAPER

24

25

140'R

+37.69
58'RT.

REMOVE FENCE

SLOPE INTERCEPTS

BURIED GAS LINE (APPROXIMATE LOCATION)

ASPHALTIC FLUME REQUIRED

836.33

90' TAPER

835.69

(REMOVE)

26

ASPHALTIC FLUME REQUIRED

CONCRETE CURB AND GUTTER
6-INCH SLOPED
36-INCH TYPE D REQ'D

60'R

835.89

18'

836.20

836.03 835.67 835.84 836.09 835.45 836.70 836.34 836.85 836.49

+00.77
78'RT.

60'TAPER

BURIED GAS LINE (APPROXIMATE LOCATION)

(REMOVE)

END CONCRETE CURB AND GUTTER STA. 123+90

CONCRETE CURB AND GUTTER
6-INCH SLOPED
36-INCH TYPE D REQ'D

CONSTRUCTION LIMITS
STA. 602+85
SAW CUT REQ'D.
(SEE PLAN AND PROFILE SHEET)

CURTIS M. AND LISA B. DOBBERKE

JAMES D. AND JUDITH SUE HACKER

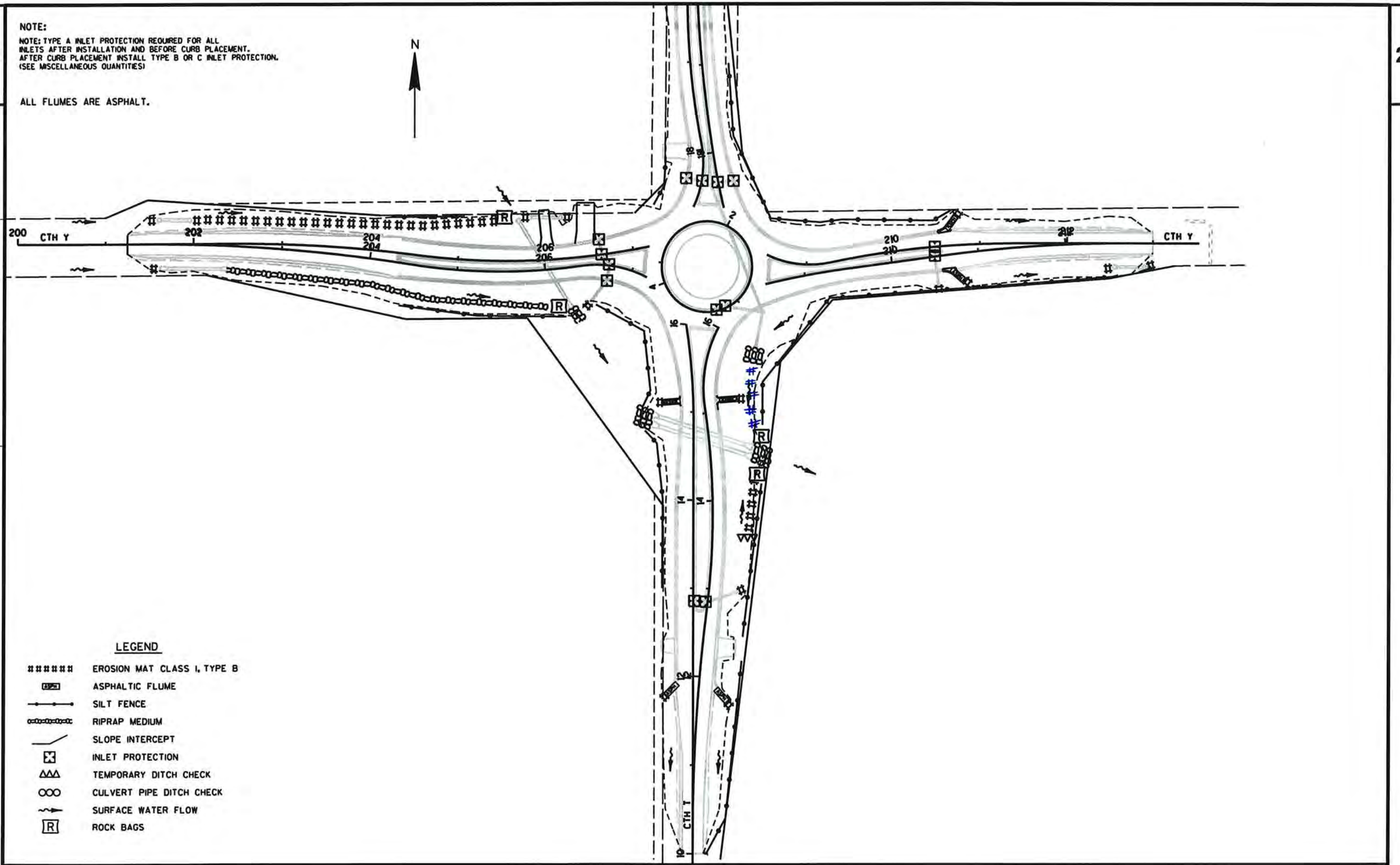
PROJECT NO: 41-0452.00	HWY: CTH T	COUNTY: WINNEBAGO	PLAN DETAIL	SHEET E

FILE NAME : $$....designfile....$$ PLOT DATE : $$...plottingdate...$$ PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

NOTE:

NOTE: TYPE A INLET PROTECTION REQUIRED FOR ALL INLETS AFTER INSTALLATION AND BEFORE CURB PLACEMENT. AFTER CURB PLACEMENT INSTALL TYPE B OR C INLET PROTECTION. (SEE MISCELLANEOUS QUANTITIES)

ALL FLUMES ARE ASPHALT.



LEGEND

- EROSION MAT CLASS I, TYPE B
- ASPHALTIC FLUME
- SILT FENCE
- RIPRAP MEDIUM
- SLOPE INTERCEPT
- INLET PROTECTION
- TEMPORARY DITCH CHECK
- CULVERT PIPE DITCH CHECK
- SURFACE WATER FLOW
- ROCK BAGS

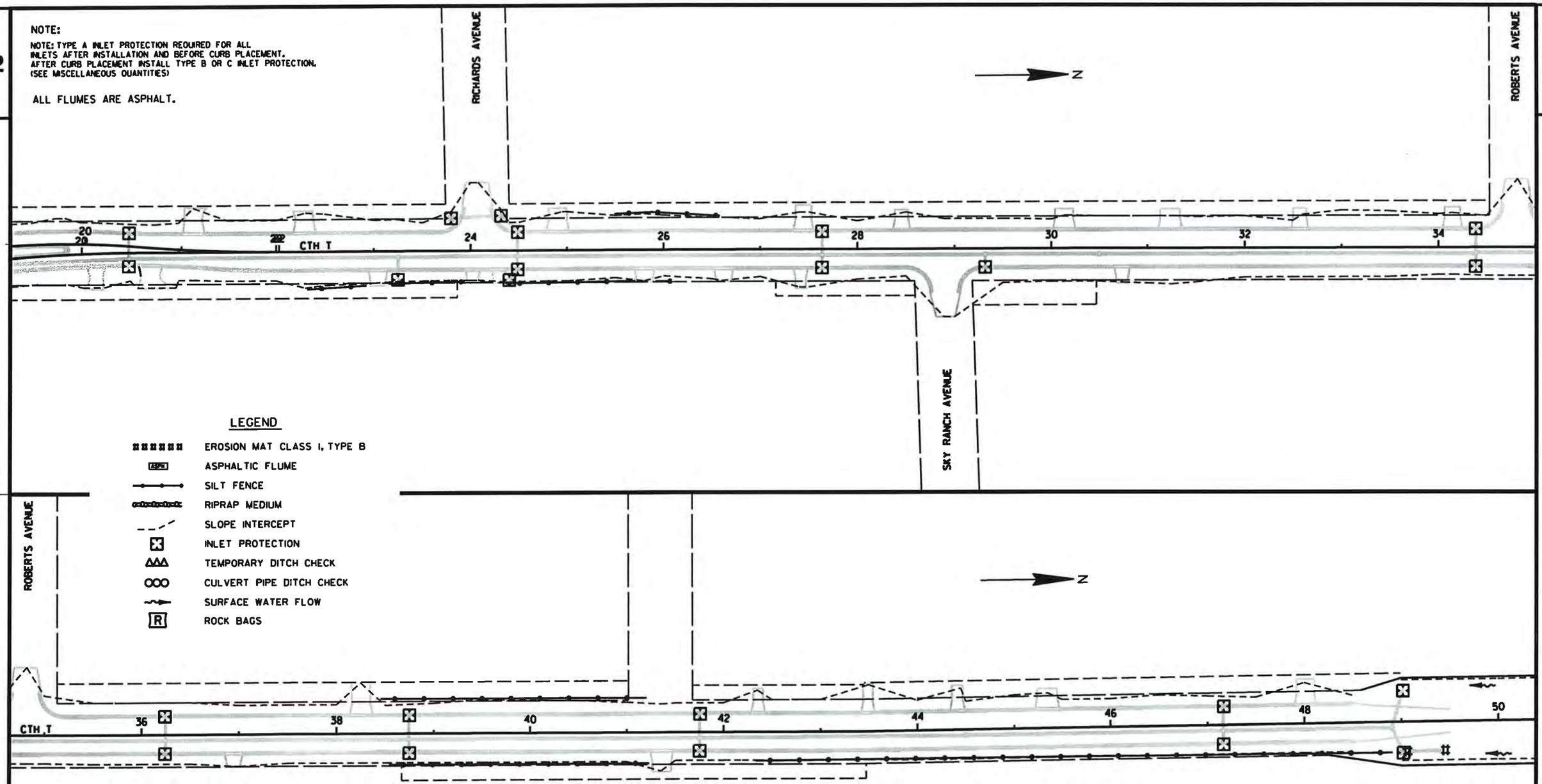
PROJECT NO: 41-0452.00	HWY: CTH T	COUNTY: WINNEBAGO	EROSION CONTROL PLAN	SHEET E

FILE NAME : $$....designfile....$$ PLOT DATE : $$...plottingdate...$$ PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

NOTE:

NOTE: TYPE A INLET PROTECTION REQUIRED FOR ALL INLETS AFTER INSTALLATION AND BEFORE CURB PLACEMENT. AFTER CURB PLACEMENT INSTALL TYPE B OR C INLET PROTECTION. (SEE MISCELLANEOUS QUANTITIES)

ALL FLUMES ARE ASPHALT.



LEGEND

- EROSION MAT CLASS I, TYPE B
- ASPH — ASPHALTIC FLUME
- SILT FENCE
- RIPRAP MEDIUM
- SLOPE INTERCEPT
- INLET PROTECTION
- TEMPORARY DITCH CHECK
- CULVERT PIPE DITCH CHECK
- SURFACE WATER FLOW
- R — ROCK BAGS

PROJECT NO: 41-0452.00	HWY: CTH T	COUNTY: WINNEBAGO	EROSION CONTROL PLAN	SHEET E

FILE NAME : $$....designfile....$$ PLOT DATE : $$...plottingdate...$$ PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

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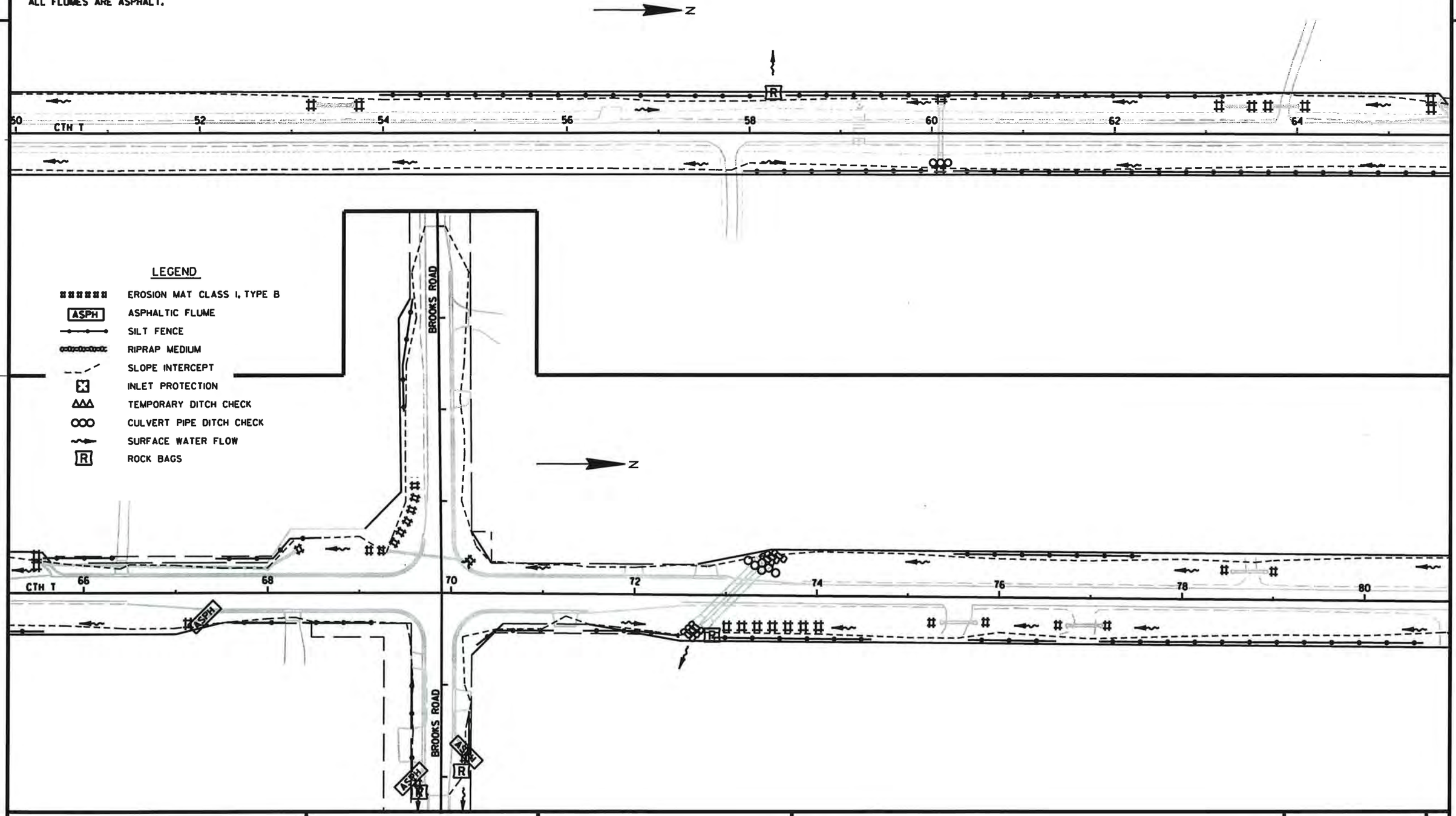


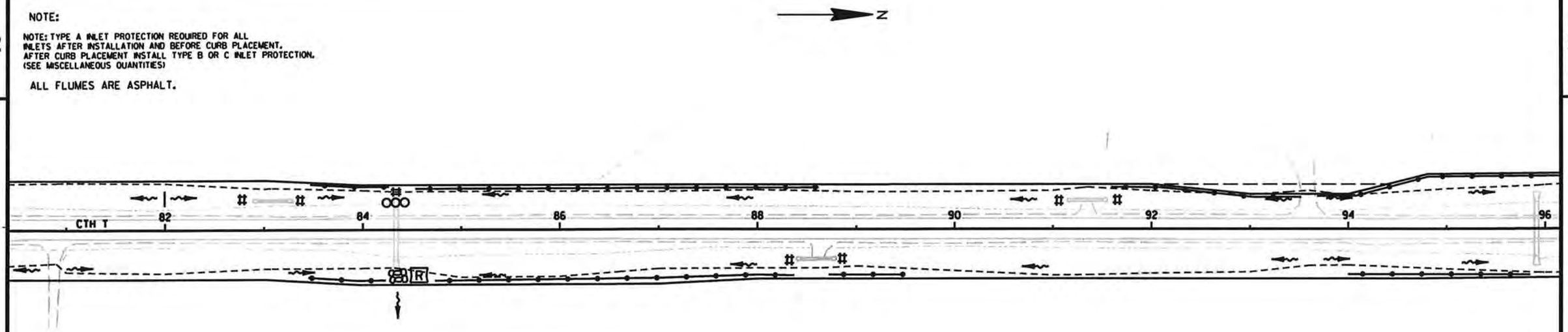
PROJECT NO:	HWY: CTH T	COUNTY: WINNEBAGO	EROSION CONTROL PLAN	SHEET E

FILE NAME : $$....designfile....$$ PLOT DATE : $$...plottingdate...$$ PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

NOTE:

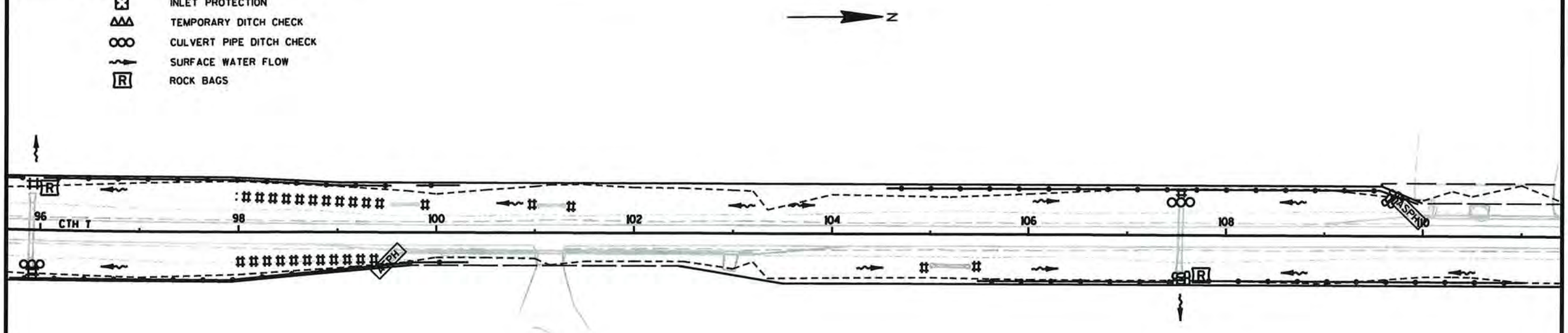
NOTE: TYPE A INLET PROTECTION REQUIRED FOR ALL INLETS AFTER INSTALLATION AND BEFORE CURB PLACEMENT. AFTER CURB PLACEMENT INSTALL TYPE B OR C INLET PROTECTION. (SEE MISCELLANEOUS QUANTITIES)

ALL FLUMES ARE ASPHALT.



LEGEND

- EROSION MAT CLASS I, TYPE B
- ASPH — ASPHALTIC FLUME
- SILT FENCE
- RIPRAP MEDIUM
- SLOPE INTERCEPT
- INLET PROTECTION
- TEMPORARY DITCH CHECK
- CULVERT PIPE DITCH CHECK
- SURFACE WATER FLOW
- R — ROCK BAGS



PROJECT NO:	HWY: CTH T	COUNTY: WINNEBAGO	EROSION CONTROL PLAN	SHEET E

FILE NAME : $$....designfile....$$ PLOT DATE : $$...plottingdate...$$ PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

NOTE:

NOTE: TYPE A INLET PROTECTION REQUIRED FOR ALL INLETS AFTER INSTALLATION AND BEFORE CURB PLACEMENT. AFTER CURB PLACEMENT INSTALL TYPE B OR C INLET PROTECTION. (SEE MISCELLANEOUS QUANTITIES)

ALL FLUMES ARE ASPHALT.

LEGEND

- EROSION MAT CLASS I, TYPE B
- ASPH — ASPHALTIC FLUME
- SILT FENCE
- RIPRAP MEDIUM
- SLOPE INTERCEPT
- INLET PROTECTION
- TEMPORARY DITCH CHECK
- CULVERT PIPE DITCH CHECK
- SURFACE WATER FLOW
- R — ROCK BAGS

N

CTH GG

CTH T

112 114 116 118 120 122 124 126

ASPH

126 CTH T 128

PROJECT NO:	HWY: CTH T	COUNTY: WINNEBAGO	EROSION CONTROL PLAN	SHEET E

FILE NAME : $$....designfile....$$ PLOT DATE : $$...plottingdate...$$ PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

2

2

N

CTH T

DONALD WYMAN
FLOWERING CRAB

LOW MAINTENANCE
SEEDING RE'O'D.

MANEY
JUNIPER

COLORED CONCRETE
PAVEMENT 12-INCH

CTH Y

CTH Y

CTH T

PLANTING NOTES

USE SELECTIVE PRE-EMERGENCE HERBICIDE
IN PLANT BEDS BEFORE MULCHING

PROJECT NO: 41-0452.00	HWY: CTH T	COUNTY: WINNEBAGO	PLANTING DETAIL-STH 310/CTH B	SHEET E

FILE NAME : $$....designfile....$$ PLOT DATE : $$...plottingdate...$$ PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

2

SIGNING NOTES

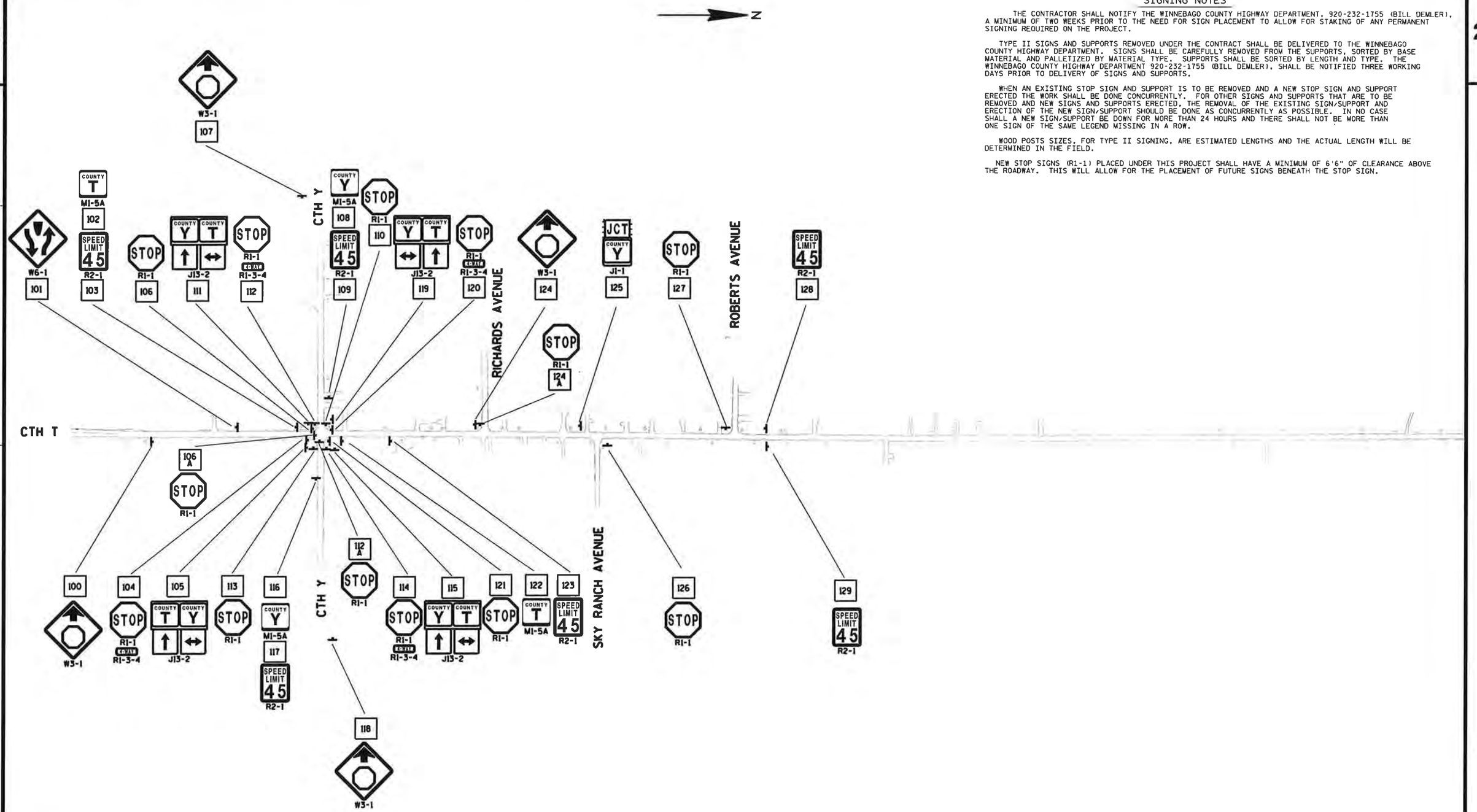
THE CONTRACTOR SHALL NOTIFY THE WINNEBAGO COUNTY HIGHWAY DEPARTMENT, 920-232-1755 (BILL DEMLER), A MINIMUM OF TWO WEEKS PRIOR TO THE NEED FOR SIGN PLACEMENT TO ALLOW FOR STAKING OF ANY PERMANENT SIGNING REQUIRED ON THE PROJECT.

TYPE II SIGNS AND SUPPORTS REMOVED UNDER THE CONTRACT SHALL BE DELIVERED TO THE WINNEBAGO COUNTY HIGHWAY DEPARTMENT. SIGNS SHALL BE CAREFULLY REMOVED FROM THE SUPPORTS, SORTED BY BASE MATERIAL AND PALLETIZED BY MATERIAL TYPE. SUPPORTS SHALL BE SORTED BY LENGTH AND TYPE. THE WINNEBAGO COUNTY HIGHWAY DEPARTMENT 920-232-1755 (BILL DEMLER), SHALL BE NOTIFIED THREE WORKING DAYS PRIOR TO DELIVERY OF SIGNS AND SUPPORTS.

WHEN AN EXISTING STOP SIGN AND SUPPORT IS TO BE REMOVED AND A NEW STOP SIGN AND SUPPORT ERECTED THE WORK SHALL BE DONE CONCURRENTLY. FOR OTHER SIGNS AND SUPPORTS THAT ARE TO BE REMOVED AND NEW SIGNS AND SUPPORTS ERECTED, THE REMOVAL OF THE EXISTING SIGN/SUPPORT AND ERECTION OF THE NEW SIGN/SUPPORT SHOULD BE DONE AS CONCURRENTLY AS POSSIBLE. IN NO CASE SHALL A NEW SIGN/SUPPORT BE DOWN FOR MORE THAN 24 HOURS AND THERE SHALL NOT BE MORE THAN ONE SIGN OF THE SAME LEGEND MISSING IN A ROW.

WOOD POSTS SIZES, FOR TYPE II SIGNING, ARE ESTIMATED LENGTHS AND THE ACTUAL LENGTH WILL BE DETERMINED IN THE FIELD.

NEW STOP SIGNS (R1-1) PLACED UNDER THIS PROJECT SHALL HAVE A MINIMUM OF 6'6" OF CLEARANCE ABOVE THE ROADWAY. THIS WILL ALLOW FOR THE PLACEMENT OF FUTURE SIGNS BENEATH THE STOP SIGN.



PROJECT NO: 41-0452.00	HWY: CTH T	COUNTY: WINNEBAGO	SIGN REMOVALS	SHEET 39 E

2

N

SIGNING NOTES

THE CONTRACTOR SHALL NOTIFY THE WINNEBAGO COUNTY HIGHWAY DEPARTMENT, 920-232-1755 (BILL DEMLER), A MINIMUM OF TWO WEEKS PRIOR TO THE NEED FOR SIGN PLACEMENT TO ALLOW FOR STAKING OF ANY PERMANENT SIGNING REQUIRED ON THE PROJECT.

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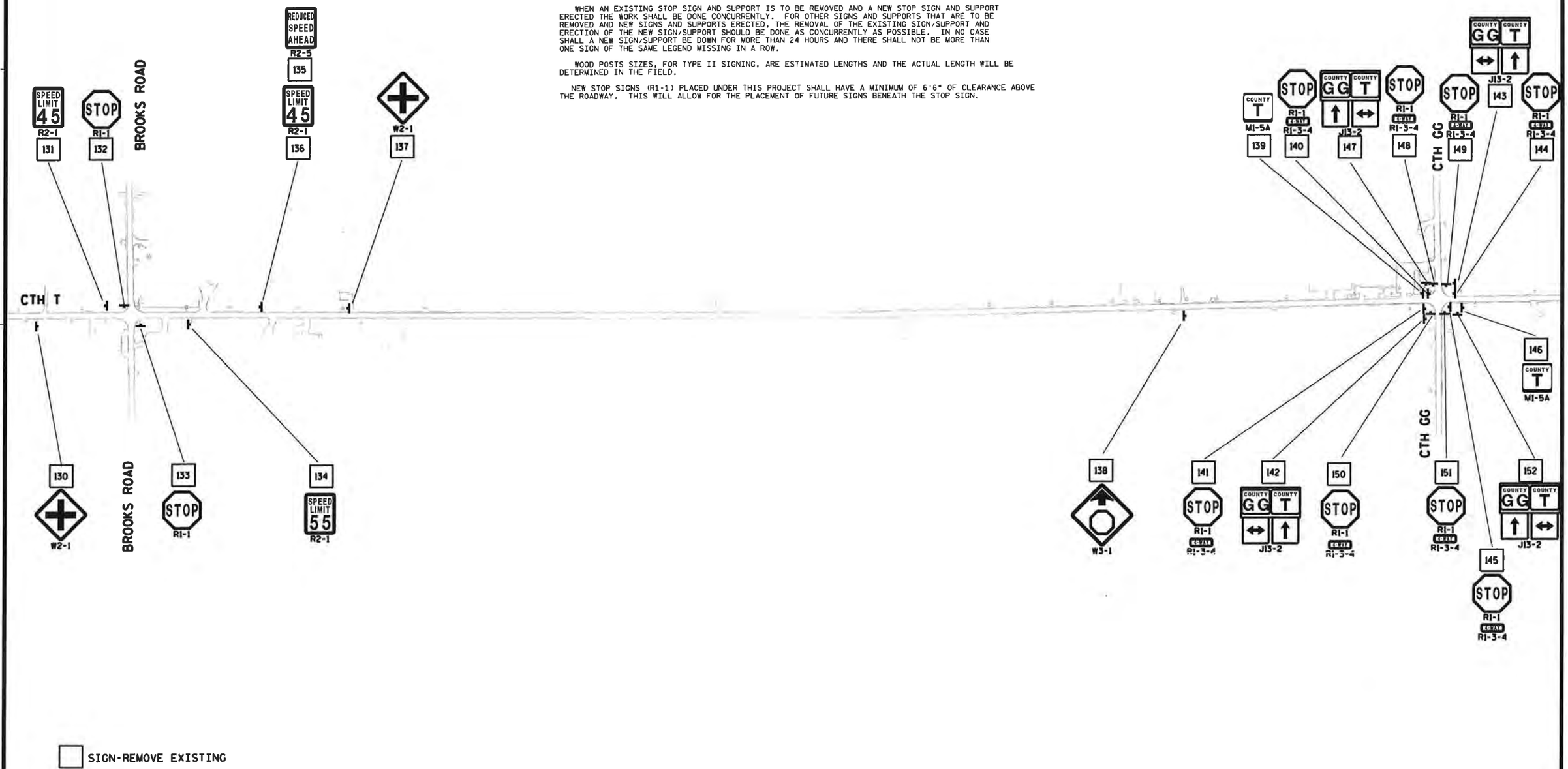
WOOD POSTS SIZES, FOR TYPE II SIGNING, ARE ESTIMATED LENGTHS AND THE ACTUAL LENGTH WILL BE DETERMINED IN THE FIELD.

NEW STOP SIGNS (R1-1) PLACED UNDER THIS PROJECT SHALL HAVE A MINIMUM OF 6'6" OF CLEARANCE ABOVE THE ROADWAY. THIS WILL ALLOW FOR THE PLACEMENT OF FUTURE SIGNS BENEATH THE STOP SIGN.



SIGN-REMOVE EXISTING

PROJECT NO: 41-0452.00	HWY: CTH T	COUNTY: WINNEBAGO	SIGN REMOVALS	SHEET E

FILE NAME : $$....designfile....$$ PLOT DATE : $$...plottingdate...$$ PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

SIGNING NOTES

THE CONTRACTOR SHALL NOTIFY THE WINNEBAGO COUNTY HIGHWAY DEPARTMENT, 920-232-1755 (BILL DEMLER), A MINIMUM OF TWO WEEKS PRIOR TO THE NEED FOR SIGN PLACEMENT TO ALLOW FOR STAKING OF ANY PERMANENT SIGNING REQUIRED ON THE PROJECT.

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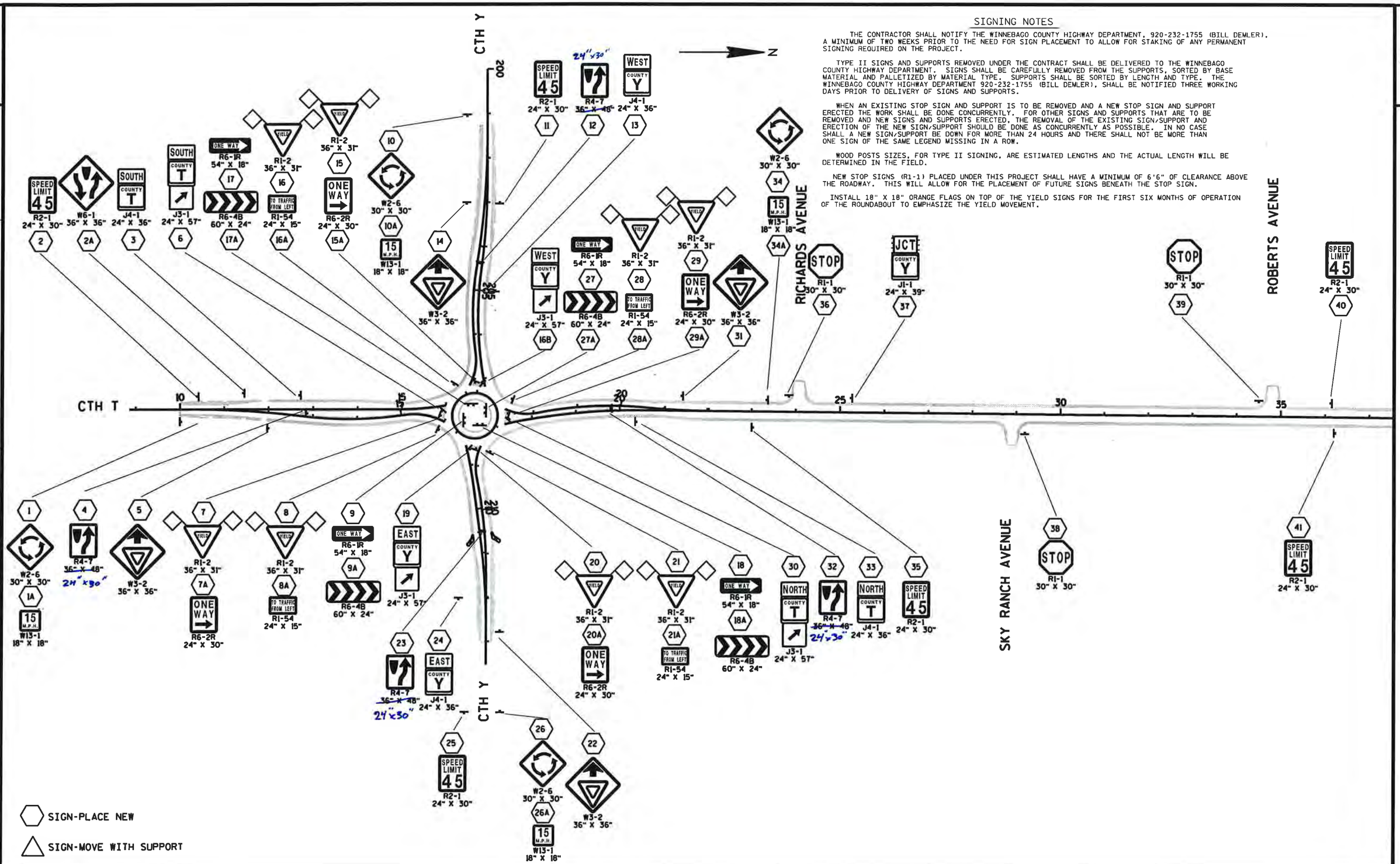
WHEN AN EXISTING STOP SIGN AND SUPPORT IS TO BE REMOVED AND A NEW STOP SIGN AND SUPPORT ERECTED THE WORK SHALL BE DONE CONCURRENTLY. FOR OTHER SIGNS AND SUPPORTS THAT ARE TO BE REMOVED AND NEW SIGNS AND SUPPORTS ERECTED, THE REMOVAL OF THE EXISTING SIGN/SUPPORT AND ERECTION OF THE NEW SIGN/SUPPORT SHOULD BE DONE AS CONCURRENTLY AS POSSIBLE. IN NO CASE SHALL A NEW SIGN/SUPPORT BE DOWN FOR MORE THAN 24 HOURS AND THERE SHALL NOT BE MORE THAN ONE SIGN OF THE SAME LEGEND MISSING IN A ROW.

WOOD POSTS SIZES, FOR TYPE II SIGNING, ARE ESTIMATED LENGTHS AND THE ACTUAL LENGTH WILL BE DETERMINED IN THE FIELD.

NEW STOP SIGNS (R1-1) PLACED UNDER THIS PROJECT SHALL HAVE A MINIMUM OF 6'6" OF CLEARANCE ABOVE THE ROADWAY. THIS WILL ALLOW FOR THE PLACEMENT OF FUTURE SIGNS BENEATH THE STOP SIGN.

INSTALL 18" X 18" ORANGE FLAGS ON TOP OF THE YIELD SIGNS FOR THE FIRST SIX MONTHS OF OPERATION OF THE ROUNDABOUT TO EMPHASIZE THE YIELD MOVEMENT.



PROJECT NO: 41-0452.00	HWY: CTH T	COUNTY: WINNEBAGO	PERMANENT SIGNING	SHEET E

FILE NAME : $$....designfile....$$ PLOT DATE : $$...plottingdate...$$ PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

2

N

SIGNING NOTES

THE CONTRACTOR SHALL NOTIFY THE WINNEBAGO COUNTY HIGHWAY DEPARTMENT, 920-232-1755 (BILL DEMLER), A MINIMUM OF TWO WEEKS PRIOR TO THE NEED FOR SIGN PLACEMENT TO ALLOW FOR STAKING OF ANY PERMANENT SIGNING REQUIRED ON THE PROJECT.

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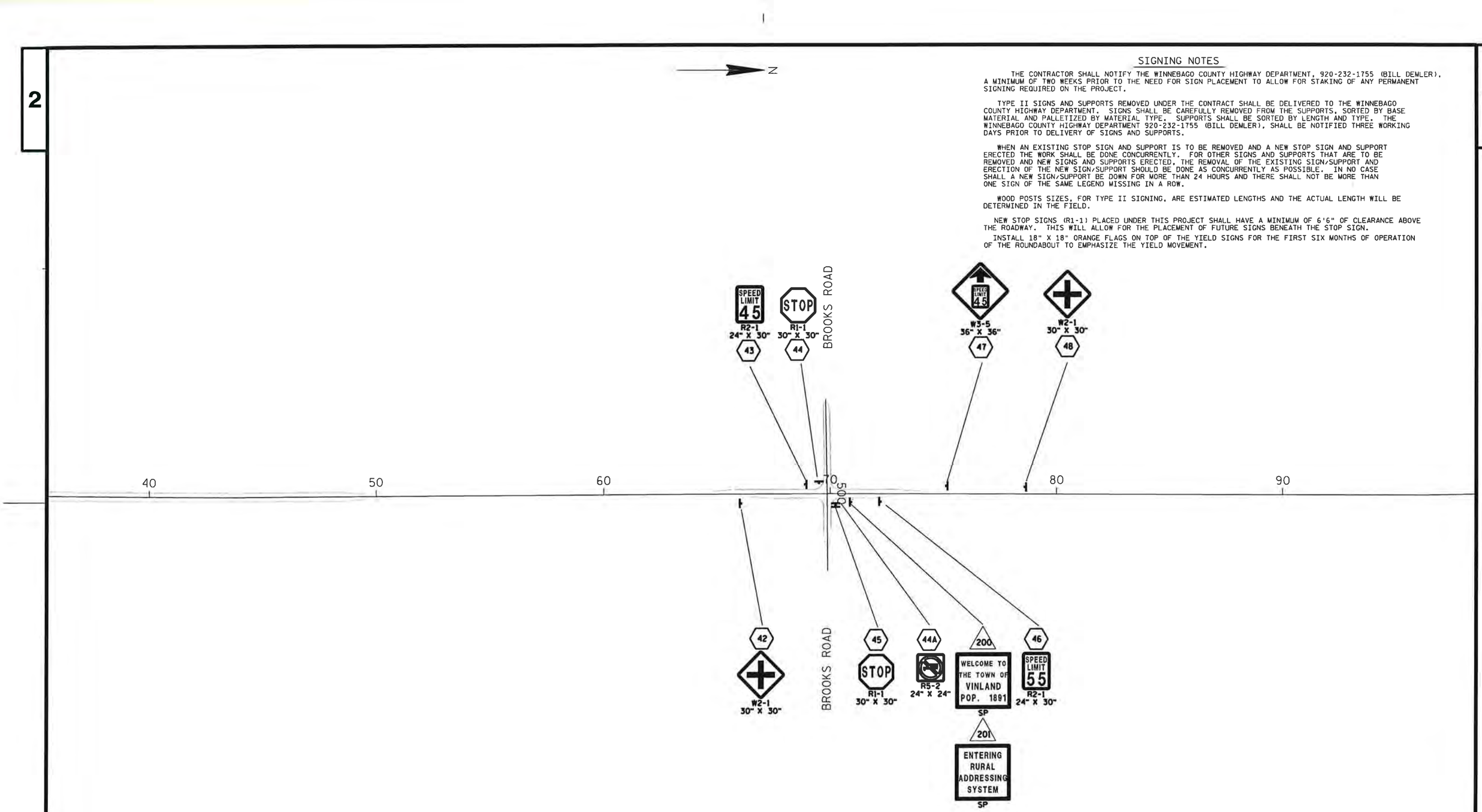
WHEN AN EXISTING STOP SIGN AND SUPPORT IS TO BE REMOVED AND A NEW STOP SIGN AND SUPPORT ERECTED THE WORK SHALL BE DONE CONCURRENTLY. FOR OTHER SIGNS AND SUPPORTS THAT ARE TO BE REMOVED AND NEW SIGNS AND SUPPORTS ERECTED, THE REMOVAL OF THE EXISTING SIGN/SUPPORT AND ERECTION OF THE NEW SIGN/SUPPORT SHOULD BE DONE AS CONCURRENTLY AS POSSIBLE. IN NO CASE SHALL A NEW SIGN/SUPPORT BE DOWN FOR MORE THAN 24 HOURS AND THERE SHALL NOT BE MORE THAN ONE SIGN OF THE SAME LEGEND MISSING IN A ROW.

WOOD POSTS SIZES, FOR TYPE II SIGNING, ARE ESTIMATED LENGTHS AND THE ACTUAL LENGTH WILL BE DETERMINED IN THE FIELD.

NEW STOP SIGNS (R1-1) PLACED UNDER THIS PROJECT SHALL HAVE A MINIMUM OF 6'6" OF CLEARANCE ABOVE THE ROADWAY. THIS WILL ALLOW FOR THE PLACEMENT OF FUTURE SIGNS BENEATH THE STOP SIGN.

INSTALL 18" X 18" ORANGE FLAGS ON TOP OF THE YIELD SIGNS FOR THE FIRST SIX MONTHS OF OPERATION OF THE ROUNDABOUT TO EMPHASIZE THE YIELD MOVEMENT.



⬡ SIGN-PLACE NEW

△ SIGN-MOVE WITH SUPPORT

PROJECT NO: 41-0452.00	HWY: CTH T	COUNTY: WINNEBAGO	PERMANENT SIGNING	SHEET 42 E

FILE NAME : $$....designfile....$$ PLOT DATE : $$...plottingdate...$$ PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

2

SIGNING NOTES

THE CONTRACTOR SHALL NOTIFY THE WINNEBAGO COUNTY HIGHWAY DEPARTMENT, 920-232-1755 (BILL DEWLER), A MINIMUM OF TWO WEEKS PRIOR TO THE NEED FOR SIGN PLACEMENT TO ALLOW FOR STAKING OF ANY PERMANENT SIGNING REQUIRED ON THE PROJECT.

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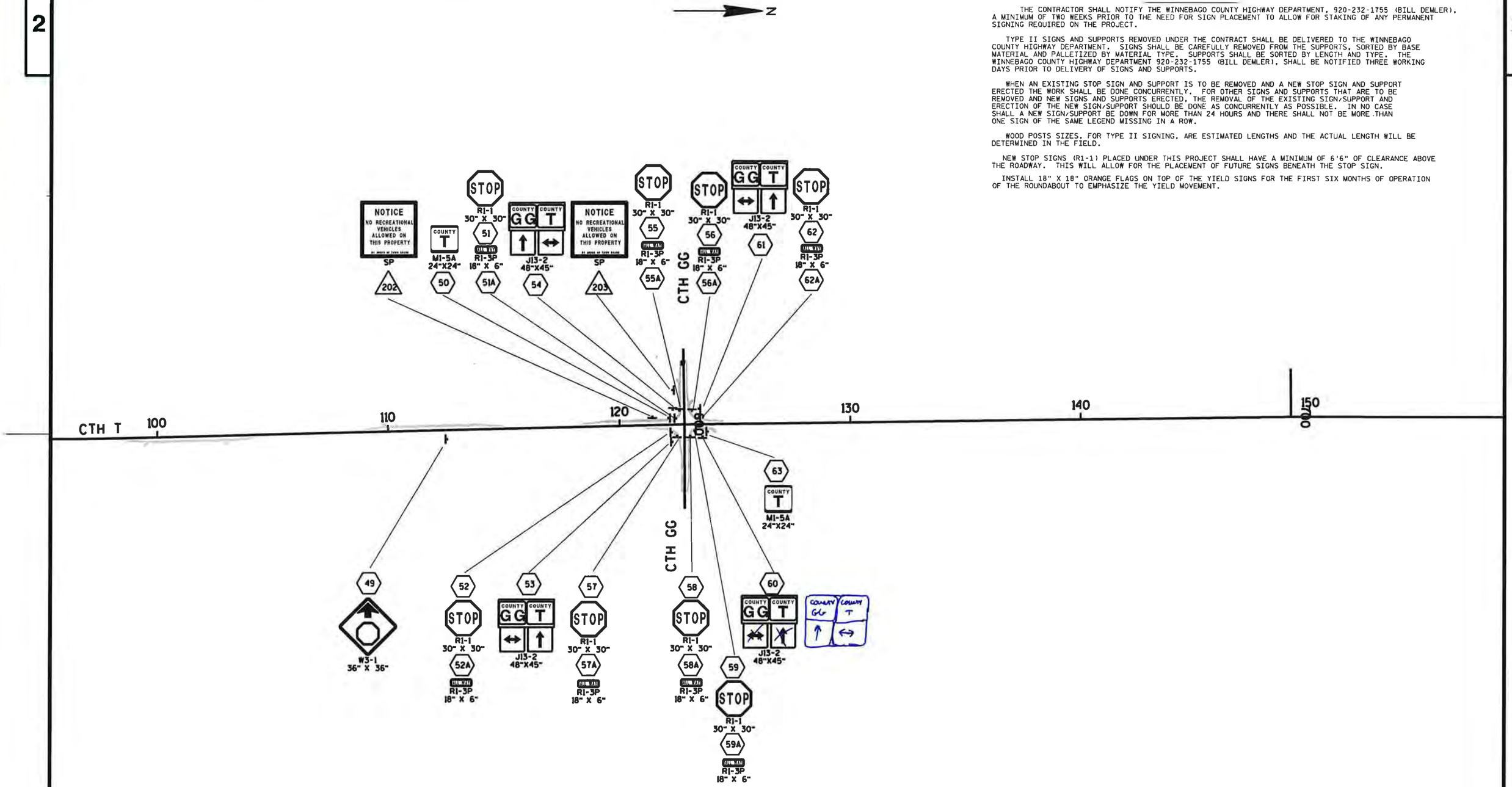
WOOD POSTS SIZES, FOR TYPE II SIGNING, ARE ESTIMATED LENGTHS AND THE ACTUAL LENGTH WILL BE DETERMINED IN THE FIELD.

NEW STOP SIGNS (R1-1) PLACED UNDER THIS PROJECT SHALL HAVE A MINIMUM OF 6'6" OF CLEARANCE ABOVE THE ROADWAY. THIS WILL ALLOW FOR THE PLACEMENT OF FUTURE SIGNS BENEATH THE STOP SIGN.

INSTALL 18" X 18" ORANGE FLAGS ON TOP OF THE YIELD SIGNS FOR THE FIRST SIX MONTHS OF OPERATION OF THE ROUNDABOUT TO EMPHASIZE THE YIELD MOVEMENT.



SIGN-PLACE NEW

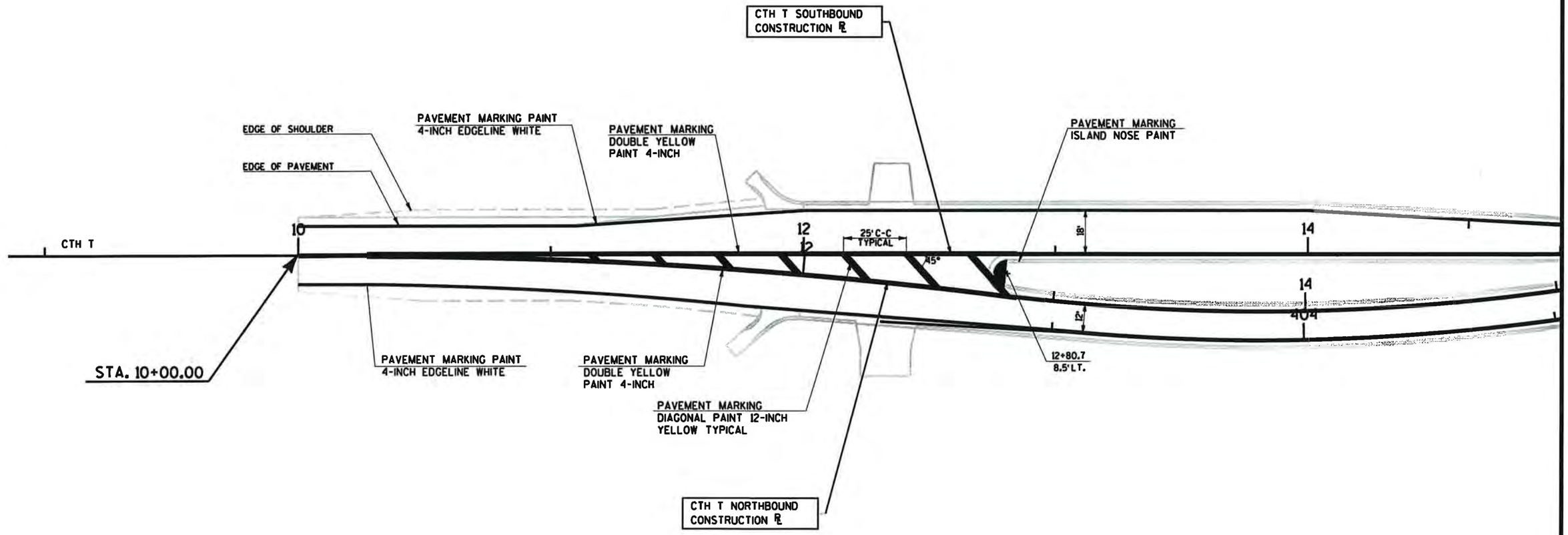
SIGN-MOVE WITH SUPPORT

PROJECT NO: 41-0452.00	HWY: CTH T	COUNTY: WINNEBAGO	PERMANENT SIGNING	SHEET E

FILE NAME : $$....designfile....$$ PLOT DATE : $$...plottingdate...$$ PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

2

N



PROJECT NO: 41-0452.00	HWY: CTH T	COUNTY: WINNEBAGO	PAVEMENT MARKING	SHEET E

FILE NAME : $$....designfile....$$ PLOT DATE : $$...plottingdate...$$ PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

2

MATCH LINE

PAVEMENT MARKING PAINT
4-INCH EDGELINE YELLOW

PAVEMENT MARKING PAINT
4-INCH EDGELINE WHITE

CTH Y

PAVEMENT MARKING PAINT
4-INCH EDGELINE YELLOW

PAVEMENT MARKING PAINT
4-INCH EDGELINE WHITE

N

PAVEMENT MARKING PAINT
8-INCH EDGELINE WHITE
5' PAST CURB RADIUS (TYPICAL)

CTH T SOUTHBOUND
CONSTRUCTION ℄

PAVEMENT MARKING PAINT
4-INCH EDGELINE WHITE

PAVEMENT MARKING PAINT
4-INCH EDGELINE YELLOW

PAVEMENT MARKING EPOXY
18-INCH (2 FT. LINE, 2 FT. GAP)
WHITE (TYPICAL)

PAVEMENT MARKING PAINT
4-INCH EDGELINE YELLOW

PAVEMENT MARKING PAINT
4-INCH EDGELINE WHITE

17.16'

22.11'

17.02'

CTH T

CTH T

PAVEMENT MARKING PAINT
4-INCH EDGELINE YELLOW

PAVEMENT MARKING PAINT
4-INCH EDGELINE WHITE

15.65'

19.97'

PAVEMENT MARKING PAINT
4-INCH EDGELINE WHITE

PAVEMENT MARKING PAINT
8-INCH WHITE (TYPICAL)

PAVEMENT MARKING PAINT
4-INCH EDGELINE YELLOW

CTH T NORTHBOUND
CONSTRUCTION ℄

20.33'

17.49'

PAVEMENT MARKING PAINT
4-INCH EDGELINE WHITE

PAVEMENT MARKING PAINT
4-INCH EDGELINE YELLOW

PAVEMENT MARKING PAINT
4-INCH EDGELINE WHITE

PAVEMENT MARKING PAINT
4-INCH EDGELINE YELLOW

CTH Y

CTH Y EASTBOUND
CONSTRUCTION ℄

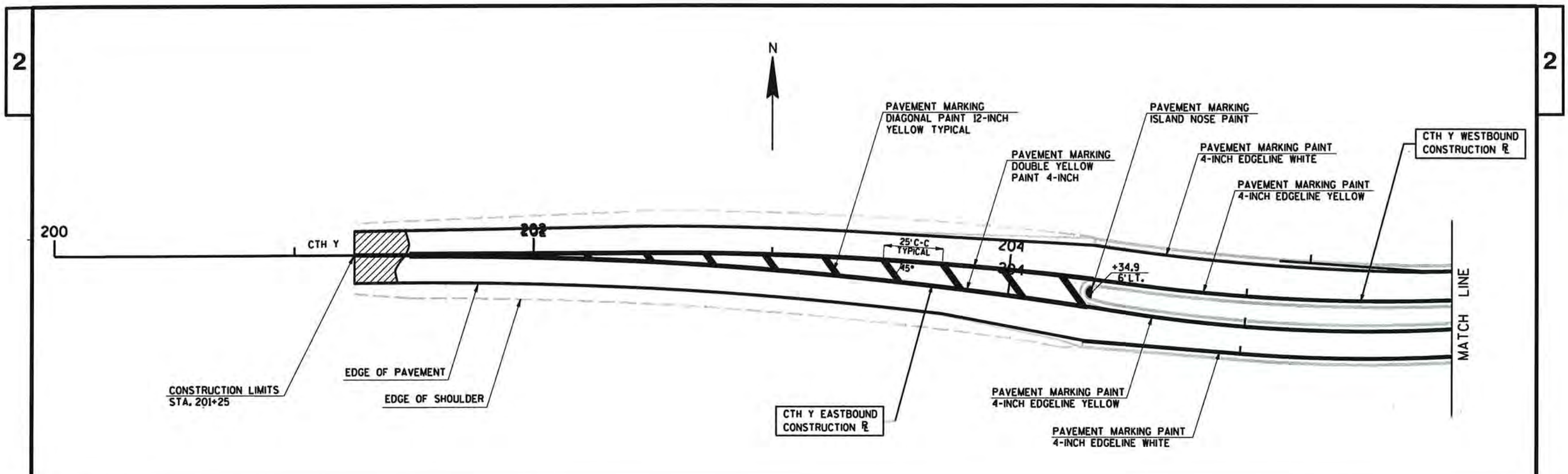
CTH Y WESTBOUND
CONSTRUCTION ℄

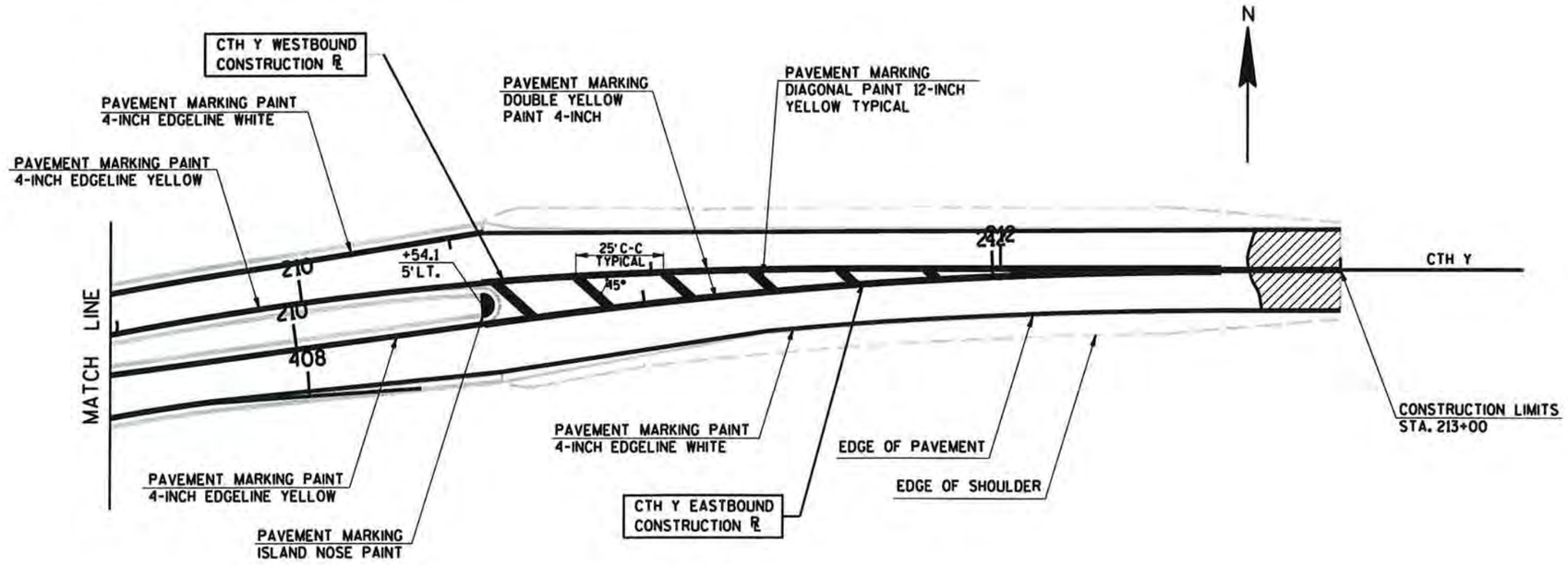
MATCH LINE

PROJECT NO: 41-0452.00	HWY: CTH T	COUNTY: WINNEBAGO	EPOXY PAVEMENT MARKING	SHEET E

FILE NAME : $$....designfile....$$ PLOT DATE : $$...plottingdate...$$ PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

2





PROJECT NO: 41-0452.00	HWY: CTH T	COUNTY: WINNEBAGO	EPOXY PAVEMENT MARKING	SHEET E

FILE NAME : $$....designfile....$$ PLOT DATE : $$...plottingdate...$$ PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

2

N

CTH T SOUTHBOUND
CONSTRUCTION ℄

PAVEMENT MARKING PAINT
4-INCH EDGELINE YELLOW

PAVEMENT MARKING
DIAGONAL PAINT 12-INCH
YELLOW TYPICAL

PAVEMENT MARKING
ISLAND NOSE PAINT

PAVEMENT MARKING
DOUBLE YELLOW
PAINT 4-INCH

PAVEMENT MARKING PAINT
4-INCH EDGELINE WHITE

RICHARDS AVE

PAVEMENT MARKING PAINT
4-INCH EDGELINE WHITE

620

+82.1
5'LT.

20

25'C-C
TYPICAL
45°

26

120

CTH T

622

18'

22

12'

12'

24

724

12'

PAVEMENT MARKING PAINT
4-INCH EDGELINE WHITE

PAVEMENT MARKING PAINT
4-INCH EDGELINE YELLOW

CTH T NORTHBOUND
CONSTRUCTION ℄

PAVEMENT MARKING
DOUBLE YELLOW
PAINT 4-INCH

NOTE:

USE STANDARD DETAIL DRAWING FOR
REMAINDER OF PROJECT STA. 24+00
TO STA. 125+00

PROJECT NO: 41-0452.00	HWY: CTH T	COUNTY: WINNEBAGO	PAVEMENT MARKING	SHEET 47 E

FILE NAME : $$....designfile....$$ PLOT DATE : $$...plottingdate...$$ PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

SB CTH T CONSTRUCTION ℄ CURVE DATA

CURVE SB6

PI STA 15+44.75
Y 496773.442
X 781056.697
DELTA -9°05'16"
D 8°12'31"
T 55.47'
L 110.71'
R 698.00'
PC STA 14+89.28
PT STA 15+99.99

SB CTH T CONSTRUCTION ℄ CURVE DATA

CURVE SB7

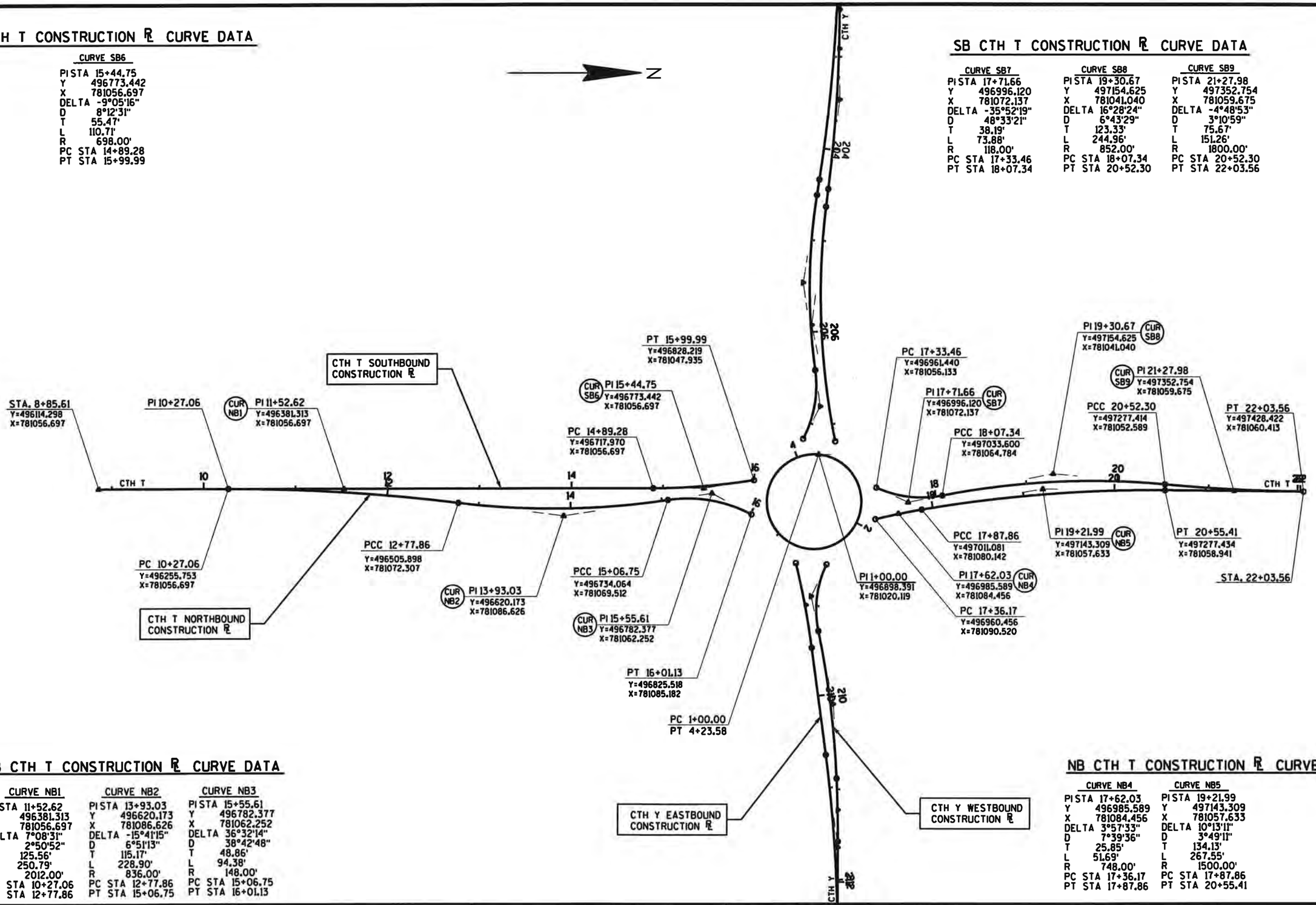
PI STA 17+71.66
Y 496996.120
X 781072.137
DELTA -35°52'19"
D 48°33'21"
T 38.19'
L 73.88'
R 118.00'
PC STA 17+33.46
PT STA 18+07.34

CURVE SB8

PI STA 19+30.67
Y 497154.625
X 781041.040
DELTA 16°28'24"
D 6°43'29"
T 123.33'
L 244.96'
R 852.00'
PC STA 18+07.34
PT STA 20+52.30

CURVE SB9

PI STA 21+27.98
Y 497352.754
X 781059.675
DELTA -4°48'53"
D 3°10'59"
T 75.67'
L 151.26'
R 1800.00'
PC STA 20+52.30
PT STA 22+03.56



NB CTH T CONSTRUCTION ℄ CURVE DATA

CURVE NB1

PI STA 11+52.62
Y 496381.313
X 781056.697
DELTA 7°08'31"
D 2°50'52"
T 125.56'
L 250.79'
R 2012.00'
PC STA 10+27.06
PT STA 12+77.86

CURVE NB2

PI STA 13+93.03
Y 496620.173
X 781086.626
DELTA -15°41'15"
D 6°51'13"
T 115.17'
L 228.90'
R 836.00'
PC STA 12+77.86
PT STA 15+06.75

CURVE NB3

PI STA 15+55.61
Y 496782.377
X 781062.252
DELTA 36°32'14"
D 38°42'48"
T 48.86'
L 94.38'
R 148.00'
PC STA 15+06.75
PT STA 16+01.13

NB CTH T CONSTRUCTION ℄ CURVE DATA

CURVE NB4

PI STA 17+62.03
Y 496985.589
X 781084.456
DELTA 3°57'33"
D 7°39'36"
T 25.85'
L 51.69'
R 748.00'
PC STA 17+36.17
PT STA 17+87.86

CURVE NB5

PI STA 19+21.99
Y 497143.309
X 781057.633
DELTA 10°13'11"
D 3°49'11"
T 134.13'
L 267.55'
R 1500.00'
PC STA 17+87.86
PT STA 20+55.41

PROJECT NO: 41-0452.00	HWY: CTH T	COUNTY: WINNEBAGO	ALIGNMENT DIAGRAM	SHEET 48 E

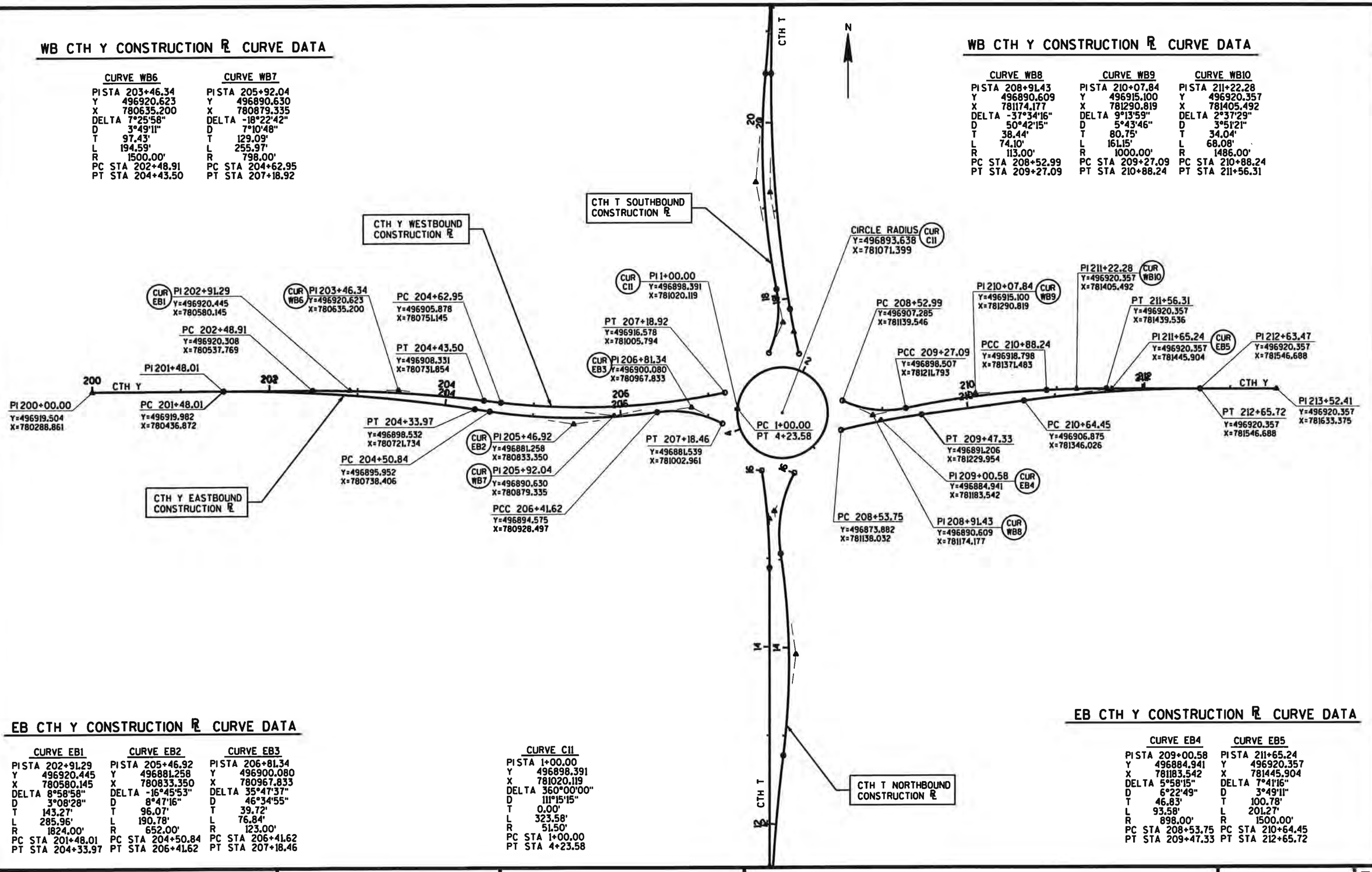
2

WB CTH Y CONSTRUCTION ℄ CURVE DATA

CURVE WB6	CURVE WB7
PI STA 203+46.34	PI STA 205+92.04
Y 496920.623	Y 496890.630
X 780635.200	X 780879.335
DELTA 7°25'58"	DELTA -18°22'42"
D 3°49'11"	D 7°10'48"
T 97.43'	T 129.09'
L 194.59'	L 255.97'
R 1500.00'	R 798.00'
PC STA 202+48.91	PC STA 204+62.95
PT STA 204+43.50	PT STA 207+18.92

WB CTH Y CONSTRUCTION ℄ CURVE DATA

CURVE WB8	CURVE WB9	CURVE WB10
PI STA 208+91.43	PI STA 210+07.84	PI STA 211+22.28
Y 496890.609	Y 496915.100	Y 496920.357
X 781174.177	X 781290.819	X 781405.492
DELTA -37°34'16"	DELTA 9°13'59"	DELTA 2°37'29"
D 50°42'15"	D 5°43'46"	D 3°51'21"
T 38.44'	T 80.75'	T 34.04'
L 74.10'	L 161.15'	L 68.08'
R 113.00'	R 1000.00'	R 1486.00'
PC STA 208+52.99	PC STA 209+27.09	PC STA 210+88.24
PT STA 209+27.09	PT STA 210+88.24	PT STA 211+56.31



EB CTH Y CONSTRUCTION ℄ CURVE DATA

CURVE EB1	CURVE EB2	CURVE EB3
PI STA 202+91.29	PI STA 205+46.92	PI STA 206+81.34
Y 496920.445	Y 496881.258	Y 496900.080
X 780580.145	X 780833.350	X 780967.833
DELTA 8°58'58"	DELTA -16°45'53"	DELTA 35°47'37"
D 3°08'28"	D 8°47'16"	D 46°34'55"
T 143.27'	T 96.07'	T 39.72'
L 285.96'	L 190.78'	L 76.84'
R 1824.00'	R 652.00'	R 123.00'
PC STA 201+48.01	PC STA 204+50.84	PC STA 206+41.62
PT STA 204+33.97	PT STA 206+41.62	PT STA 207+18.46

CURVE C11
PI STA 1+00.00
Y 496898.391
X 781020.119
DELTA 360°00'00"
D 111°15'15"
T 0.00'
L 323.58'
R 51.50'
PC STA 1+00.00
PT STA 4+23.58

EB CTH Y CONSTRUCTION ℄ CURVE DATA

CURVE EB4	CURVE EB5
PI STA 209+00.58	PI STA 211+65.24
Y 496884.941	Y 496920.357
X 781183.542	X 781445.904
DELTA 5°58'15"	DELTA 7°41'16"
D 6°22'49"	D 3°49'11"
T 46.83'	T 100.78'
L 93.58'	L 201.27'
R 898.00'	R 1500.00'
PC STA 208+53.75	PC STA 210+64.45
PT STA 209+47.33	PT STA 212+65.72

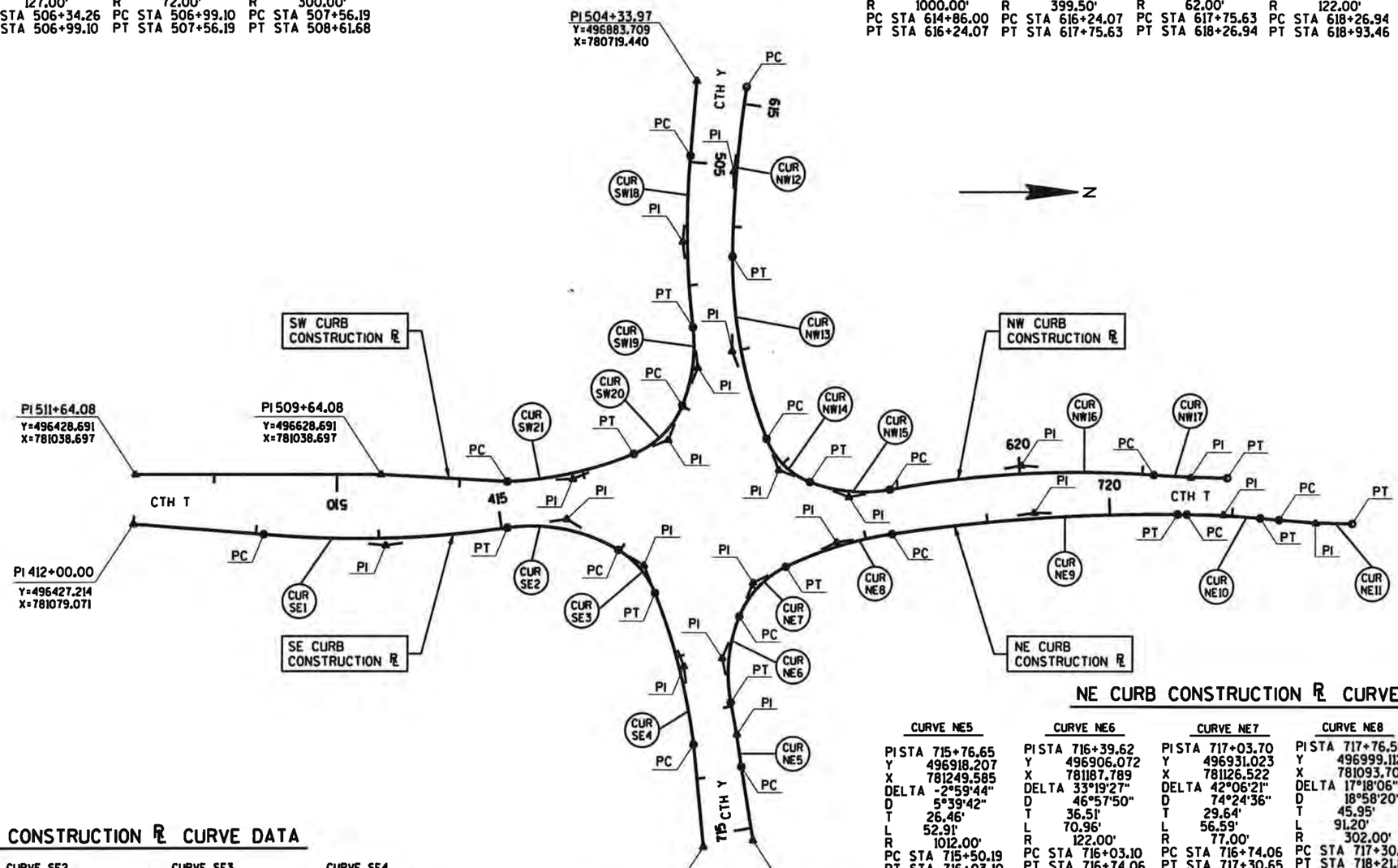
PROJECT NO: 41-0452.00	HWY: CTH T	COUNTY: WINNEBAGO	ALIGNMENT DIAGRAM	SHEET 49 E

SW CURB CONSTRUCTION ℄ CURVE DATA

CURVE SW18	CURVE SW19	CURVE SW20	CURVE SW21
PI STA 505+64.85	PI STA 506+67.40	PI STA 507+29.24	PI STA 508+09.48
Y 496872.713	Y 496885.306	Y 496861.357	Y 496784.188
X 780849.855	X 780952.152	X 781010.728	X 781042.439
DELTA -12°01'22"	DELTA 29°15'20"	DELTA 45°25'23"	DELTA 20°08'50"
D 8°37'44"	D 45°06'53"	D 79°34'39"	D 19°05'55"
T 69.92'	T 33.15'	T 30.14'	T 53.30'
L 139.33'	L 64.85'	L 57.08'	L 105.49'
R 664.00'	R 127.00'	R 72.00'	R 300.00'
PC STA 504+94.93	PC STA 506+34.26	PC STA 506+99.10	PC STA 507+56.19
PT STA 506+34.26	PT STA 506+99.10	PT STA 507+56.19	PT STA 508+61.68

NW CURB CONSTRUCTION ℄ CURVE DATA

CURVE NW12	CURVE NW13	CURVE NW14	CURVE NW15	CURVE NW16	CURVE NW17
PI STA 615+55.14	PI STA 617+00.77	PI STA 618+02.85	PI STA 618+61.04	PI STA 620+02.09	PI STA 621+39.62
Y 496914.070	Y 496913.289	Y 496951.771	Y 497009.067	Y 497149.498	Y 497287.822
X 780792.715	X 780938.557	X 781035.097	X 781056.983	X 781031.373	X 781041.041
DELTA -7°54'39"	DELTA -21°44'12"	DELTA -47°24'42"	DELTA -31°14'27"	DELTA 14°19'60"	DELTA -3°26'22"
D 5°43'46"	D 14°20'31"	D 92°24'45"	D 46°57'50"	D 6°37'53"	D 5°43'46"
T 69.14'	T 76.70'	T 27.22'	T 34.11'	T 108.64'	T 30.02'
L 138.07'	L 151.56'	L 51.30'	L 66.52'	L 216.14'	L 60.03'
R 1000.00'	R 399.50'	R 62.00'	R 122.00'	R 864.00'	R 1000.00'
PC STA 614+86.00	PC STA 616+24.07	PC STA 617+75.63	PC STA 618+26.94	PC STA 618+93.46	PC STA 621+09.60
PT STA 616+24.07	PT STA 617+75.63	PT STA 618+26.94	PT STA 618+93.46	PT STA 621+09.60	PT STA 621+69.63



SE CURB CONSTRUCTION ℄ CURVE DATA

CURVE SE1	CURVE SE2	CURVE SE3	CURVE SE4
PI STA 414+05.97	PI STA 415+53.43	PI STA 416+22.58	PI STA 417+08.99
Y 496632.457	Y 496779.305	Y 496841.906	Y 496874.683
X 781096.334	X 781075.112	X 781112.581	X 781194.389
DELTA -13°24'36"	DELTA 39°07'29"	DELTA 37°15'52"	DELTA 14°29'54"
D 6°45'24"	D 41°49'18"	D 79°34'39"	D 11°24'49"
T 99.69'	T 48.68'	T 24.28'	T 63.85'
L 198.47'	L 93.55'	L 46.83'	L 127.03'
R 848.00'	R 137.00'	R 72.00'	R 502.00'
PC STA 413+06.28	PC STA 415+04.75	PC STA 415+98.30	PC STA 416+45.13
PT STA 415+04.75	PT STA 415+98.30	PT STA 416+45.13	PT STA 417+72.16

NE CURB CONSTRUCTION ℄ CURVE DATA

CURVE NE5	CURVE NE6	CURVE NE7	CURVE NE8	CURVE NE9	CURVE NE10
PI STA 715+76.65	PI STA 716+39.62	PI STA 717+03.70	PI STA 717+76.59	PI STA 719+38.85	PI STA 720+92.89
Y 496918.207	Y 496906.072	Y 496931.023	Y 496999.112	Y 497160.310	Y 497314.815
X 781249.585	X 781187.789	X 781126.522	X 781093.700	X 781069.799	X 781071.306
DELTA -2°59'44"	DELTA 33°19'27"	DELTA 42°06'21"	DELTA 17°18'06"	DELTA 8°59'34"	DELTA 4°34'26"
D 5°39'42"	D 46°57'50"	D 74°24'36"	D 18°58'20"	D 3°51'02"	D 7°38'22"
T 26.46'	T 36.51'	T 29.64'	T 45.95'	T 117.01'	T 29.95'
L 52.91'	L 70.96'	L 56.59'	L 91.20'	L 233.54'	L 59.87'
R 1012.00'	R 122.00'	R 77.00'	R 302.00'	R 1488.00'	R 750.00'
PC STA 715+50.19	PC STA 716+03.10	PC STA 716+74.06	PC STA 717+30.65	PC STA 718+21.84	PC STA 720+62.93
PT STA 716+03.10	PT STA 716+74.06	PT STA 717+30.65	PT STA 718+21.84	PT STA 720+55.39	PT STA 721+22.81

CURVE NE11
PI STA 721+68.09
Y 497389.753
X 781078.037
DELTA -4°34'26"
D 7°38'22"
T 29.95'
L 59.87'
R 750.00'
PC STA 721+38.14
PT STA 721+98.01

PROJECT NO: 41-0452.00	HWY: CTH T	COUNTY: WINNEBAGO	ALIGNMENT DIAGRAM	SHEET 50 E

GRUBBING

STATION	TO	STATION	LOCATION	201.0205 GRUBBING STA
11+00	-	12+00	CTH T	1
13+00	-	14+00	CTH T	1
19+00	-	21+00	CTH T	2
22+00	-	24+00	CTH T	2
25+00	-	27+00	CTH T	2
34+00	-	35+00	CTH T	1
36+00	-	38+00	CTH T	2
42+00	-	43+00	CTH T	1
54+00	-	59+00	CTH T	5
63+00	-	65+00	CTH T	2
66+00	-	69+00	CTH T	3
70+00	-	72+00	CTH T	2
74+00	-	80+00	CTH T	6
81+00	-	85+00	CTH T	4
87+00	-	89+00	CTH T	2
90+00	-	96+00	CTH T	6
97+00	-	101+00	CTH T	4
102+00	-	103+00	CTH T	1
106+00	-	110+00	CTH T	4
112+00	-	114+00	CTH T	2
115+00	-	116+00	CTH T	1
123+00	-	125+00	CTH T	2
206+00	-	207+00	CTH Y	1
497+00	-	499+00	BROOKS ROAD	2
501+00	-	502+00	BROOKS ROAD	1
TOTALS				60

REMOVING PAVEMENT

STATION	LOCATION	204.0100 SY	REMARKS
10+00 - 124+00	CTH T	28,000	MAINLINE
22+30	CTH T, LT	30	PE
24+95	CTH T, LT	30	PE
32+60	CTH T, LT	35	PE
122+00	CTH T, LT	20	PE
499+55	BROOKS ROAD, LT	35	PE
TOTAL		28,150	

REMOVE AND SALVAGE OLD STRUCTURE (STATION 14+75)

STATION	LOCATION	SPV.0105.01 LS	DESCRIPTION
14+75	CTH T	1	2 - 72" x 60.5', CMP
TOTAL		1	

REMOVING SMALL PIPE CULVERTS

STATION	LOCATION	203.0100 EACH	DESCRIPTION
18+15	CTH T, LT	1	18" X 21', CMP
20+15	CTH T, RT	1	18" X 18', CMP
20+75	CTH T, RT	1	18" X 24', CMP
21+15	CTH T, LT	1	18" X 21', CMP
22+30	CTH T, LT	1	15" X 26', CMP
23+00	CTH T, RT	1	15" X 20', CMP
24+00	CTH T, RT	1	18" X 17', CMP
24+00	CTH T, LT	1	18" X 46', CMP
24+32	CTH T, RT	1	18" X 16', CMP
24+95	CTH T, LT	1	18" X 32', CMP
25+80	CTH T, RT	1	12" X 20', CMP
26+60	CTH T, RT	1	15" X 21', CMP
27+40	CTH T, LT	1	15" X 30', CMP
27+40	CTH T, RT	1	15" X 20', CMP
28+50	CTH T, LT	1	15" X 21", CMP
28+89	CTH T, RT	1	15" X 50', CMP
30+15	CTH T, LT	1	15" X 25', CMP
30+75	CTH T, RT	1	18" X 20', CMP
31+25	CTH T, LT	1	15" X 24', CMP
32+60	CTH T, LT	1	15" X 25', CMP
34+15	CTH T, LT	1	15" X 25', CMP
34+82	CTH T, LT	1	18" X 42', CMP
36+24	CTH T	1	18" X 41', CMP
38+25	CTH T, LT	1	18" X 20', CMP
41+35	CTH T, RT	1	18" X 21', CMP
42+35	CTH T, LT	1	15" X 21', CMP
43+50	CTH T, LT	1	15" X 19', CMP
44+45	CTH T, LT	1	15" X 21', CMP
45+35	CTH T, LT	1	18" X 21', CMP
46+74	CTH T	1	18" X 43', CMP
48+00	CTH T, LT	1	18" X 25', CMP
49+25	CTH T, RT	1	15" X 17', CMP
53+50	CTH T, LT	1	15" X 24', CMP
56+50	CTH T, LT	1	18" X 20', CMP
57+80	CTH T, RT	1	15" X 28', CMP
60+09	CTH T	1	18" X 44', CMP
63+33	CTH T, LT	1	15" X 24', CMP
63+85	CTH T, LT	1	15" X 21', CMP
66+40	CTH T, LT	1	15" X 21', CMP
68+30	CTH T, RT	1	15" X 22', CMP

REMOVING SMALL PIPE CULVERTS (CONTINUED)

STATION	LOCATION	203.0100 EACH	DESCRIPTION
71+25	CTH T, RT	1	18" X 30', CMP
72+80	CTH T, LT	1	12" X 44', CMP
72+85	CTH T	1	36" X 51', CMP
72+95	CTH T	1	36" X 51', CMP
75+55	CTH T, RT	1	18" X 31', CMP
77+00	CTH T, RT	1	18" X 31', CMP
78+80	CTH T, LT	1	18" X 20', CMP
80+90	CTH T, RT	1	18" X 28', CMP
83+08	CTH T, LT	1	18" X 28', CMP
84+32	CTH T	1	18" X 51', CMP
91+35	CTH T, LT	1	15" X 20', CMP
95+92	CTH T	1	24" X 55', CMP
101+15	CTH T, LT	1	15" X 23', CMP
105+20	CTH T, RT	1	15" X 17', CMP
107+53	CTH T	1	18" X 47', CMP
110+30	CTH T, LT	1	15" X 43', CMP
113+65	CTH T, LT	1	15" X 20', CMP
118+45	CTH T, LT	1	18" X 36', CMP
119+18	CTH T, LT	1	18" X 23', CMP
120+00	CTH T, LT	1	18" X 82', CMP
121+50	CTH T, LT	1	15" X 30', CMP
122+00	CTH T, LT	1	15" X 42', CMP
126+65	CTH T, RT	1	15" X 31', CMP
201+75	CTH Y, LT	1	15" X 20', CMP
202+00	CTH Y, RT	1	18" X 64', RCCP
205+86	CTH Y	1	42" X 60" X 57', CMP
206+05	CTH Y, LT	1	15" X 25', CMP
206+50	CTH Y, LT	1	15" X 30', CMP
212+65	CTH Y, RT	1	18" X 45', CMP
499+50	BROOKS ROAD, LT	1	15" X 36', RCCP
499+80	BROOKS ROAD	1	15" X 72', RCCP
501+20	BROOKS ROAD, LT	1	15" X 20', CMP
501+60	BROOKS ROAD, RT	1	15" X 31', CMP
598+50	CTH GG, RT	1	15" X 30', CMP
600+30	CTH GG	1	15" X 18" X 44', CMP
601+23	CTH GG, LT	1	12" X 26', CMP
TOTAL		76	

ASPHALT PAVEMENT MILLING

STATION	TO	STATION	LOCATION	SPV.0180.02 SY
10+00	-	69+50	CTH T	14,500
201+25	-	207+57	CTH Y, WB	1,550
207+84	-	213+00	CTY Y, WB	1,250
TOTAL				17,300

3

GRUBBING

STATION	TO	STATION	LOCATION	201.0205 GRUBBING STA
11+00	-	12+00	CTH T	1
13+00	-	14+00	CTH T	1
19+00	-	21+00	CTH T	2
22+00	-	24+00	CTH T	2
25+00	-	27+00	CTH T	2
34+00	-	35+00	CTH T	1
36+00	-	38+00	CTH T	2
42+00	-	43+00	CTH T	1
54+00	-	59+00	CTH T	5
63+00	-	65+00	CTH T	2
66+00	-	69+00	CTH T	3
70+00	-	72+00	CTH T	2
74+00	-	80+00	CTH T	6
81+00	-	85+00	CTH T	4
87+00	-	89+00	CTH T	2
90+00	-	96+00	CTH T	6
97+00	-	101+00	CTH T	4
102+00	-	103+00	CTH T	1
106+00	-	110+00	CTH T	4
112+00	-	114+00	CTH T	2
115+00	-	116+00	CTH T	1
123+00	-	125+00	CTH T	2
206+00	-	207+00	CTH Y	1
497+00	-	499+00	BROOKS ROAD	2
501+00	-	502+00	BROOKS ROAD	1
TOTALS				60

REMOVING PAVEMENT

STATION	LOCATION	204.0100 SY	REMARKS
10+00 - 124+00	CTH T	28,000	MAINLINE
22+30	CTH T, LT	30	PE
24+95	CTH T, LT	30	PE
32+60	CTH T, LT	35	PE
122+00	CTH T, LT	20	PE
499+55	BROOKS ROAD, LT	35	PE
TOTAL		28,150	

REMOVING SMALL PIPE CULVERTS

STATION	LOCATION	203.0100 EACH	DESCRIPTION
18+15	CTH T, LT	1	18" X 21', CMP
20+15	CTH T, RT	1	18" X 18', CMP
20+75	CTH T, RT	1	18" X 24', CMP
21+15	CTH T, LT	1	18" X 21', CMP
22+30	CTH T, LT	1	15" X 26', CMP
23+00	CTH T, RT	1	15" X 20', CMP
24+00	CTH T, RT	1	18" X 17', CMP
24+00	CTH T, LT	1	18" X 46', CMP
24+32	CTH T, RT	1	18" X 16', CMP
24+95	CTH T, LT	1	18" X 32', CMP
25+80	CTH T, RT	1	12" X 20', CMP
26+60	CTH T, RT	1	15" X 21', CMP
27+40	CTH T, LT	1	15" X 30', CMP
27+40	CTH T, RT	1	15" X 20', CMP
28+50	CTH T, LT	1	15" X 21", CMP
28+89	CTH T, RT	1	15" X 50', CMP
30+15	CTH T, LT	1	15" X 25', CMP
30+75	CTH T, RT	1	18" X 20', CMP
31+25	CTH T, LT	1	15" X 24', CMP
32+60	CTH T, LT	1	15" X 25', CMP
34+15	CTH T, LT	1	15" X 25', CMP
34+82	CTH T, LT	1	18" X 42', CMP
36+24	CTH T	1	18" X 41', CMP
38+25	CTH T, LT	1	18" X 20', CMP
41+35	CTH T, RT	1	18" X 21', CMP
42+35	CTH T, LT	1	15" X 21', CMP
43+50	CTH T, LT	1	15" X 19', CMP
44+45	CTH T, LT	1	15" X 21', CMP
45+35	CTH T, LT	1	18" X 21', CMP
46+74	CTH T	1	18" X 43', CMP
48+00	CTH T, LT	1	18" X 25', CMP
49+25	CTH T, RT	1	15" X 17', CMP
53+50	CTH T, LT	1	15" X 24', CMP
56+50	CTH T, LT	1	18" X 20', CMP
57+80	CTH T, RT	1	15" X 28', CMP
60+09	CTH T	1	18" X 44', CMP
63+33	CTH T, LT	1	15" X 24', CMP
63+85	CTH T, LT	1	15" X 21', CMP
66+40	CTH T, LT	1	15" X 21', CMP
68+30	CTH T, RT	1	15" X 22', CMP

REMOVING SMALL PIPE CULVERTS (CONTINUED)

STATION	LOCATION	203.0100 EACH	DESCRIPTION
71+25	CTH T, RT	1	18" X 30', CMP
72+80	CTH T, LT	1	12" X 44', CMP
72+85	CTH T	1	36" X 51', CMP
72+95	CTH T	1	36" X 51', CMP
75+55	CTH T, RT	1	18" X 31', CMP
77+00	CTH T, RT	1	18" X 31', CMP
78+80	CTH T, LT	1	18" X 20', CMP
80+90	CTH T, RT	1	18" X 28', CMP
83+08	CTH T, LT	1	18" X 28', CMP
84+32	CTH T	1	18" X 51', CMP
91+35	CTH T, LT	1	15" X 20', CMP
95+92	CTH T	1	24" X 55', CMP
101+15	CTH T, LT	1	15" X 23', CMP
105+20	CTH T, RT	1	15" X 17', CMP
107+53	CTH T	1	18" X 47', CMP
110+30	CTH T, LT	1	15" X 43', CMP
113+65	CTH T, LT	1	15" X 20', CMP
118+45	CTH T, LT	1	18" X 36', CMP
119+18	CTH T, LT	1	18" X 23', CMP
120+00	CTH T, LT	1	18" X 82', CMP
121+50	CTH T, LT	1	15" X 30', CMP
122+00	CTH T, LT	1	15" X 42', CMP
126+65	CTH T, RT	1	15" X 31', CMP
201+75	CTH Y, LT	1	15" X 20', CMP
202+00	CTH Y, RT	1	18" X 64', RCCP
205+86	CTH Y	1	42" X 60" X 57', CMP
206+05	CTH Y, LT	1	15" X 25', CMP
206+50	CTH Y, LT	1	15" X 30', CMP
212+65	CTH Y, RT	1	18" X 45', CMP
499+50	BROOKS ROAD, LT	1	15" X 36', RCCP
499+80	BROOKS ROAD	1	15" X 72', RCCP
501+20	BROOKS ROAD, LT	1	15" X 20', CMP
501+60	BROOKS ROAD, RT	1	15" X 31', CMP
598+50	CTH GG, RT	1	15" X 30', CMP
600+30	CTH GG	1	15" X 18" X 44', CMP
601+23	CTH GG, LT	1	12" X 26', CMP
TOTAL		76	

REMOVE AND SALVAGE OLD STRUCTURE (STATION 14+75)

STATION	LOCATION	SPV.0105.01 LS	DESCRIPTION
14+75	CTH T	1	2 - 72" x 60.5', CMP
TOTAL		1	

See Addendum Sheet

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EARTHWORK SUMMARY

Division	From/To Station	Location	Common Excavation (1) (item # 205.0100) Cut	EBS Excavation (3)	Available Material (5)	Rock Excavation (7) (item #205.0200)	Expanded EBS Backfill (11) Factor 1.30	Unexpanded Fill	Expanded Fill (13) Factor 1.30	Mass Ordinate +/- (14)	Waste	Comment:
1	1+00 - 4+23.58	ROUNDABOUT	300	0	300	0	0	1,662	2,161	-1,861	0	
	10+00 - 48+50	CTH T	13,697	0	13,697	544	0	2,075	1,919	11,778	11,778	
	48+50 - 124+00	CTH T	18,701	1,063	18,701	0	1,382	5,993	7,790	10,911	10,911	
	201+25 - 213+00	CTH Y	2,683	0	2,683	0	0	1,678	2,181	502	502	
	496+00 - 502+20	BROOKS ROAD	1,532	0	1,532	0	0	37	48	1,484	1,484	
	597+25 - 602+85	CTH GG	1,509	0	1,509	0	0	56	72	1,437	1,437	
		UNDISTRIBUTED	0	1,000	0	456	1,300	0	0	0	0	
Division 1 Total			38,422	2,063	38,422	1,000	2,682	11,500	14,172	24,250	26,111	
			Total Common Exc	40,485								

1) Common Excavation is the sum of the Cut and EBS Excavation columns. Item number 205.0100
3) EBS Excavation to be backfilled with Waste material.
5) Available Material = Cut
7) Rock Excavation
11) Expanded EBS Backfill - This is to be filled with Waste material. EBS Backfill Factor = 1.3.
13) Expanded Fill. Factor = 1.3 Expanded Fill = Unexpanded Fill * Fill Factor
14) The Mass Ordinate + or - Qty calculated for the Division. Plus quantity indicates an excess of material within the Division. Minus indicates a shortage of material within the Division.

REMOVING BUILDING FOUNDATION

STATION	TO	STATION	LOCATION	204.9035.S.01 CY
15+00	-	17+00	CTH T, NB, RT	33
TOTAL				33

REMOVING FENCE

STATION	TO	STATION	LOCATION	204.0170 LF
124+29	-	125+35	CTH T, RT	106
TOTALS				106

BREAKER RUN AND GEOTEXTILE TYPE SR FABRIC

STATION	LOCATION	311.0110 BREAKER RUN TON	645.0135 TYPE SR SY
UNDISTRIBUTED	CTH T	1,000	750
TOTALS		1,000	750

CONCRETE PAVEMENT

STATION	TO	STATION	LOCATION	405.0100 COLORING CONCRETE RED CY	416.0512 ROUNDABOUT TRUCK APRON 12-INCH SY
1+00	-	4+24	ROUNDABOUT	120	355
TOTALS				120	355

BASE AGGREGATE DENSE

STATION	TO	STATION	LOCATION	305.0120 1 1/4-INCH TON	305.0110 3/4-INCH TON
10+00	-	12+00	CTH T	305	-
12+00	-	16+00	CTH T	1590	-
1+00	-	4+24	ROUNDABOUT	720	-
17+34	-	48+50	CTH T	8935	-
48+50	-	65+65	CTH T	4490	-
65+65	-	73+00	CTH T	1,930	-
73+00	-	99+24	CTH T	6,810	-
99+24	-	103+83	CTH T	1,270	-
103+83	-	109+33	CTH T	1,430	-
109+33	-	114+55	CTH T	1,420	-
114+55	-	118+73	CTH T	1,085	-
118+73	-	124+00	CTH T	1,475	-
201+25	-	207+19	CTH Y	1,860	-
208+53	-	213+00	CTH Y	1,330	-
			RICHARDS AVENUE	150	-
			SKY RANCH AVENUE	145	-
			ROBERTS AVENUE	150	-
496+00	-	499+82	BROOKS ROAD	980	-
500+18	-	502+20	BROOKS ROAD	560	-
597+25	-	599+82	CTH GG	770	-
600+18	-	602+90	CTH GG	795	-
ENTIRE PROJECT			REPLACING CABC DRIVEWAYS	-	550
TOTALS				38,200	550

NOTE: 3/4-INCH BASE AGGREGATE DENSE FOR SHOULDERING NOT INCLUDED IN SUMMARY, COUNTY TO PERFORM WORK.

CULVERT PIPES

STATION	LOCATION	521.0118 CULVERT PIPE CORRUGATED STEEL 18-INCH LF	521.0124 CULVERT PIPE CORRUGATED STEEL 24-INCH LF	521.0721 PIPE ARCH CORRUGATED STEEL 21 X 15-INCH LF	521.0728 PIPE ARCH CORRUGATED STEEL 28 X 20-INCH LF	521.0735 PIPE ARCH CORRUGATED STEEL 35 X 24-INCH LF	521.0749 PIPE ARCH CORRUGATED STEEL 49 X 33-INCH LF	SPV.0090.01 PIPE ARCH CORRUGATED STEEL 73 X 55-INCH LF	522.0154 REINFORCED CONCRETE CLASS III 54-INCH LF	THICKNESS STEEL INCH	ELEVATION INLET	OUTLET	END OF PIPE OFFSETS	
14+67	CTH T	-	-	-	-	-	-	116	-	0.064	767.60	765.00	14+94.1 NB, 58.4' LT.	14+46.5 NB, 47.4' RT.
14+78	CTH T	-	-	-	-	-	-	116	-	0.064	767.60	765.00	15+05.3 NB, 57' LT.	14+56.4 NB, 48.4' RT.
60+09	CTH T	-	-	-	56	-	-	-	-	0.064	801.75	801.58	60+09, 28.5' LT.	60+09, 27.5' RT.
73+00	CTH T	-	-	-	-	-	86	-	-	0.109	807.00	806.75	73+27.5, 33' LT.	72+72.5, 33' RT.
73+10	CTH T	-	-	-	-	-	86	-	-	0.109	807.00	806.75	73+37.5, 33' LT.	72+82.5, 33' RT.
84+32	CTH T	-	-	-	-	58	-	-	-	0.079	816.25	815.90	84+32, 28.5' LT.	84+32, 29.5' RT.
95+92	CTH T	-	70	-	-	-	-	-	-	0.064	821.55	821.30	95+92, 35.5' LT.	95+92, 34.5' RT.
107+53	CTH T	-	70	-	-	-	-	-	-	0.064	830.75	830.40	107+53, 34.5' LT.	107+53, 35.5' RT.
117+00	CTH T	-	-	-	58	-	-	-	-	0.064	835.25	835.00	117+00, 28.5' LT.	117+00, 29.5' RT.
206+05	CTH Y	-	-	-			-	-	96	-	771.50	770.35	205+71.9 EB, 57.3' LT.	206+24 EB, 42.1' RT.
49+25	CTH T, RT	36	-	-	-	-	-	-	-	0.064	-	-	-	-
53+50	CTH T, LT	-	-	36	-	-	-	-	-	0.064	-	-	-	-
63+33	CTH T, LT	-	-	36	-	-	-	-	-	0.064	-	-	-	-
63+85	CTH T, LT	38	-	-	-	-	-	-	-	0.064	-	-	-	-
75+55	CTH T, RT	44	-	-	-	-	-	-	-	0.064	-	-	-	-
77+00	CTH T, RT	34	-	-	-	-	-	-	-	0.064	-	-	-	-
78+80	CTH T, LT	32	-	-	-	-	-	-	-	0.064	-	-	-	-
83+08	CTH T, LT	36	-	-	-	-	-	-	-	0.064	-	-	-	-
88+65	CTH T, RT	-	-	36	-	-	-	-	-	0.064	-	-	-	-
91+35	CTH T, LT	-	-	36	-	-	-	-	-	0.064	-	-	-	-
99+00	CTH T, RT	30	-	-	-	-	-	-	-	0.064	-	-	-	-
99+70	CTH T, LT	36	-	-	-	-	-	-	-	0.064	-	-	-	-
101+15	CTH T, LT	52	-	-	-	-	-	-	-	0.064	-	-	-	-
105+20	CTH T, RT	40	-	-	-	-	-	-	-	0.064	-	-	-	-
118+45	CTH T, LT	50	-	-	-	-	-	-	-	0.064	-	-	-	-
126+65	CTH T, RT	-	-	-	38	-	-	-	-	0.064	-	-	-	-
201+75	CTH Y, LT	-	-	32	-	-	-	-	-	0.064	-	-	-	-
202+00	CTH Y, RT	-	-	54	-	-	-	-	-	0.064	-	-	-	-
206+00	CTH Y, LT	30	-	-	-	-	-	-	-	0.064	-	-	-	-
212+65	CTH Y, RT	46	-	-	-	-	-	-	-	0.064	-	-	-	-
TOTALS		504	140	230	152	58	172	232	96					

APRON ENDWALLS

STATION	LOCATION	521.1018 CULVERT PIPE STEEL 18-INCH EACH	521.1024 CULVERT PIPE STEEL 24-INCH EACH	521.1221 PIPE ARCH STEEL 21 X 15-INCH EACH	521.1228 PIPE ARCH STEEL 28 X 20-INCH EACH	521.1235 PIPE ARCH STEEL 35 X 24-INCH EACH	521.1249 PIPE ARCH STEEL 49 X 33-INCH EACH	522.1054 CULVERT PIPE REINFORCED CONCRETE 54-INCH EACH
60+09	CTH T	-	-	-	2	-	-	-
73+00	CTH T	-	-	-	-	-	2	-
73+10	CTH T	-	-	-	-	-	2	-
84+32	CTH T	-	-	-	-	2	-	-
95+92	CTH T	-	2	-	-	-	-	-
107+53	CTH T	-	2	-	-	-	-	-
117+00	CTH T	-	-	-	2	-	-	-
206+05	CTH Y	-	-	-	-	-	-	2
49+25	CTH T, RT	2	-	-	-	-	-	-
53+50	CTH T, LT	-	-	2	-	-	-	-
63+33	CTH T, LT	-	-	2	-	-	-	-
63+85	CTH T, LT	2	-	-	-	-	-	-
75+55	CTH T, RT	2	-	-	-	-	-	-
77+00	CTH T, RT	2	-	-	-	-	-	-
78+80	CTH T, LT	2	-	-	-	-	-	-
83+08	CTH T, LT	2	-	-	-	-	-	-
88+65	CTH T, RT	-	-	2	-	-	-	-
91+35	CTH T, LT	-	-	2	-	-	-	-
99+00	CTH T, RT	2	-	-	-	-	-	-
99+70	CTH T, LT	2	-	-	-	-	-	-
101+15	CTH T, LT	2	-	-	-	-	-	-
105+20	CTH T, RT	2	-	-	-	-	-	-
118+45	CTH T, LT	2	-	-	-	-	-	-
126+65	CTH T, RT	-	-	-	2	-	-	-
201+75	CTH Y, LT	-	-	2	-	-	-	-
202+00	CTH Y, RT	-	-	2	-	-	-	-
206+00	CTH Y, LT	2	-	-	-	-	-	-
212+65	CTH Y, RT	2	-	-	-	-	-	-
TOTALS		26	4	12	6	2	4	2

STORM SEWER PIPE

TO	FROM	LOCATION	608.0312 REINFORCED CONCRETE CLASS III 12-INCH LF	608.0315 REINFORCED CONCRETE CLASS III 15-INCH LF	608.0318 REINFORCED CONCRETE CLASS III 18-INCH LF	608.0321 REINFORCED CONCRETE CLASS III 21-INCH LF	608.0324 REINFORCED CONCRETE CLASS III 24-INCH LF	611.9800.S PIPE GRATES EACH	INLET ELEVATION	DISCHARGE ELEVATION	SLOPE FT/FT
1	1A	CTH T	37	-	-	-	-	-	768.94	768.75	0.0050
1A	1B	CTH T	14	-	-	-	-	-	769.01	768.94	0.0050
2	3	CTH T	-	-	-	-	44	1	769.95	769.25	0.0160
3	3A	ROUNDABOUT	45	-	-	-	-	-	772.23	772.00	0.0050
3A	3B	ROUNDABOUT	10	-	-	-	-	-	772.28	772.23	0.0050
3	4	CTH T	-	-	-	-	158	-	772.47	769.94	0.0160
4	4A	CTH T	9	-	-	-	-	-	773.55	773.50	0.0050
4A	4B	CTH T	18	-	-	-	-	-	773.64	773.55	0.0050
4	4C	CTH T	8	-	-	-	-	-	773.54	773.50	0.0050
4C	4D	CTH T	18	-	-	-	-	-	773.63	773.54	0.0050
4	5	CTH T	-	-	-	-	283	-	777.00	772.47	0.0160
5	5A	CTH T	8	-	-	-	-	-	778.04	778.00	0.0050
5	5B	CTH T	26	-	-	-	-	-	778.13	778.00	0.0050
5	6	CTH T	-	-	-	-	276	-	779.75	777.00	0.0100
6	6A	CTH T	22	-	-	-	-	-	780.36	780.25	0.0050
6	7	CTH T	-	-	-	-	125	-	781.00	779.75	0.0100
7	7A	CTH T	8	-	-	-	-	-	782.04	782.00	0.0050
7A	7B	CTH T	14	-	-	-	-	-	782.11	782.04	0.0050
7	7C	CTH T	26	-	-	-	-	-	782.13	782.00	0.0050
7C	7D	CTH T	22	-	-	-	-	-	782.24	782.13	0.0050
7D	7E	CTH T	54	-	-	-	-	-	782.51	782.24	0.0050
7	8	CTH T	-	-	-	-	315	-	782.58	781.00	0.0050
8	8A	CTH T	14	-	-	-	-	-	786.07	786.00	0.0050
8	8B	CTH T	26	-	-	-	-	-	786.13	786.00	0.0050
8	9	CTH T	-	-	-	-	167	-	783.33	782.58	0.0045
9	9A	CTH T	14	-	-	-	-	-	787.07	787.00	0.0050
9	10	CTH T	-	-	-	-	118	-	783.86	783.33	0.0045
10	11	CTH T	-	-	-	-	389	-	785.61	783.86	0.0045
11	11A	CTH T	14	-	-	-	-	-	787.07	787.00	0.0050
11	11B	CTH T	26	-	-	-	-	-	785.74	785.61	0.0050
11	12	CTH T	-	-	-	-	186	-	786.39	785.61	0.0042
12	12A	CTH T	14	-	-	-	-	-	786.46	786.39	0.0050
12	12B	CTH T	26	-	-	-	-	-	786.52	786.39	0.0050
12	13	CTH T	-	-	-	250	-	-	788.00	786.39	0.0064
13	13A	CTH T	14	-	-	-	-	-	788.07	788.00	0.0050
13	13B	CTH T	26	-	-	-	-	-	788.13	788.00	0.0050
13	14	CTH T	-	-	-	300	-	-	790.25	788.00	0.0075
14	14A	CTH T	14	-	-	-	-	-	790.32	790.25	0.0050
14	14B	CTH T	26	-	-	-	-	-	790.38	790.25	0.0050
14	15	CTH T	-	-	-	275	-	-	791.27	790.25	0.0037
15	16	CTH T	-	-	-	266	-	-	792.25	791.27	0.0037
16	16A	CTH T	14	-	-	-	-	-	792.32	792.25	0.0050
16	16B	CTH T	26	-	-	-	-	-	792.38	792.25	0.0050
16	17	CTH T	-	-	174	-	-	-	793.20	792.25	0.0055
17	17A	CTH T	-	27	-	-	-	-	793.35	793.20	0.0055

STORM SEWER PIPE (CONTINUED)

TO	FROM	LOCATION	608.0312 REINFORCED CONCRETE CLASS III 12-INCH LF	608.0315 REINFORCED CONCRETE CLASS III 15-INCH LF	609.0318 REINFORCED CONCRETE CLASS III 18-INCH LF	608.0321 REINFORCED CONCRETE CLASS III 21-INCH LF	608.0324 REINFORCED CONCRETE CLASS III 24-INCH LF	611.9800.S PIPE GRATES EACH	INLET ELEVATION	DISCHARGE ELEVATION	SLOPE FT/FT
17	17B	CTH T	-	37	-	-	-	-	793.41	793.20	0.0055
18	18A	CTH Y	-	32	-	-	-	-	772.16	772.00	0.0050
18A	18B	CTH Y	-	18	-	-	-	-	772.25	772.16	0.0050
18B	18C	CTH Y	13	-	-	-	-	-	772.32	772.25	0.0050
18C	18D	CTH Y	19	-	-	-	-	-	772.41	772.32	0.0050
19	19A	CTH Y	36	-	-	-	-	-	772.83	772.65	0.0050
19A	19B	CTH Y	8	-	-	-	-	-	772.87	772.83	0.0050
20	21	CTH T	-	245	-	-	-	-	805.10	804.36	0.0030
21	22	CTH T	-	33	-	-	-	-	805.20	805.10	0.0030
23	23A	CTH T	81	-	-	-	-	-	805.74	805.50	0.0030
24	25	CTH Y	-	-	90	-	-	-	831.27	831.00	0.0030
25	26	CTH Y	-	-	88	-	-	-	831.53	831.27	0.0030
27	28	CTH T	134	-	-	-	-	-	831.67	831.00	0.0050
		TOTALS	884	392	352	1,091	2,061	1			

STORM SEWER LATERALS

STATION	LOCATION	SPV.0090.02 4-INCH LF	SPV.0090.03 6-INCH LF
22+00	CTH T, RT	25	-
25+50	CTH T, LT	-	40
27+80	CTH T, LT	30	-
30+74	CTH T, LT	35	-
32+00	CTH T, LT	35	-
33+25	CTH T, LT	40	-
43+90	CTH T, LT	50	-
TOTALS		215	40

STORM SEWER STRUCTURES AND COVERS

STR.	STATION	OFFSET	LOCATION	SPV.0060.01 MH TYPE 1 SPECIAL	SPV.0060.02 MANHOLE 5-FOOT	SPV.0060.03 INLET TYPE 2 SPECIAL	SPV.0060.04 INLET TYPE 1 SPECIAL	SPV.0060.05 INLET TYPE 3 SPECIAL	SPV.0060.06 INLET TYPE 8 SPECIAL	611.0535 MH COVERS TYPE J SPECIAL	611.0612 INLET COVERS TYPE C	611.0624 INLET COVERS TYPE H	611.0636 INLET COVERS TYPE HM-S	611.0639 INLET COVERS TYPE H-S	611.0642 INLET COVERS TYPE MS	611.0645 INLET COVERS TYPE MS-A	611.0652 INLET COVERS TYPE T	522.1012 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 12-INCH	522.1015 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 15-INCH	522.1018 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 18-INCH	522.1024 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 24-INCH	* JOINT TIES	GRATE ELEV.	OUTLET INVERT ELEV.	STR. DEPTH FT.
				EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH			
1	13+00	33' RT	CTH T	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	6	768.75	-	-
1A	12+85 NB	3.75' LT	CTH T	-	-	-	-	1	-	-	-	-	1	-	-	-	-	-	-	-	-	-	772.56	768.94	4.32
1B	12+86 SB	3' RT	CTH T	-	-	-	-	1	-	-	-	-	1	-	-	-	-	-	-	-	-	-	772.59	769.01	4.27
2	16+00	48' RT	CTH T	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	6	769.25	-	-
3	2+92	30' LT	ROUNDABOUT	-	1	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	777.50	769.95	6.30
3A	3+17	3' RT	ROUNDABOUT	-	-	1	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	777.57	772.23	4.35
3B	3+27	3' RT	ROUNDABOUT	-	-	1	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	777.56	772.28	4.28
4	17+67 NB	9.5' LT	CTH T	-	1	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	779.50	772.47	5.78
4A	17+65 NB	2.5' LT	CTH T	-	-	-	-	1	-	-	-	-	-	1	-	-	-	-	-	-	-	-	778.99	773.55	4.44
4B	717+68	2.5' RT	NE QUAD. EOP	-	-	-	-	1	-	-	-	-	-	1	-	-	-	-	-	-	-	-	778.68	773.64	4.04
4C	17+66 SB	2.5' RT	CTH T	-	-	-	-	1	-	-	-	-	-	1	-	-	-	-	-	-	-	-	779.05	773.54	4.51
4D	618+44	2.5' LT	NW QUAD. EOP	-	-	-	-	1	-	-	-	-	-	1	-	-	-	-	-	-	-	-	778.74	773.63	4.11
5	20+49 NB	6' RT	CTH T	1	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	783.50	777.00	5.25
5A	720+49	2.5' RT	NE QUAD. EOP	-	-	-	-	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	783.26	778.04	4.22
5B	621+23	2.5' LT	NW QUAD. EOP	-	-	-	-	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	783.20	778.13	4.07
6	23+25	6' RT	CTH T	1	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	786.81	779.75	5.81
6A	23+25	28' RT	CTH T	-	-	-	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	785.75	780.36	4.14
7	24+50	6' RT	CTH T	1	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	788.16	781.00	5.91
7A	24+50	20.5' RT	CTH T	-	-	-	-	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	787.92	782.04	4.88
7B	24+40	30' RT	CTH T	-	-	-	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	786.90	782.11	3.54
7C	24+50	20.5' LT	CTH T	-	-	-	-	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	787.92	782.13	4.79
7D	24+32	36' LT	CTH T	-	-	-	-	-	1	-	-	-	-	-	-	1	-	-	-	-	-	-	786.75	782.24	4.51
7E	23+80	34' LT	CTH T	-	-	-	-	-	1	-	-	-	-	-	-	1	-	-	-	-	-	-	786.25	782.51	3.74
8	27+65	6' RT	CTH T	1	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	791.57	782.58	7.74
8A	27+65	20.5' RT	CTH T	-	-	-	-	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	791.33	786.07	4.26
8B	27+65	20.5' LT	CTH T	-	-	-	-	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	791.33	786.13	4.20
9	29+32	6' RT	CTH T	1	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	793.17	783.33	8.59
9A	29+32	20.5' RT	CTH T	-	-	-	-	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	792.93	787.07	4.86
10	30+50	6' RT	CTH T	1	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	793.73	783.86	8.62
11	34+39	6' RT	CTH T	1	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	792.86	785.61	6.00
11A	34+39	20.5' RT	CTH T	-	-	-	-	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	792.62	787.07	4.55
11B	34+39	20.5' LT	CTH T	-	-	-	-	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	792.62	787.13	4.49
12	36+25	6' RT	CTH T	1	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	792.32	786.39	4.68
12A	36+25	20.5' RT	CTH T	-	-	-	-	1	-	-	-	-	-	1	-	-	-	-	-	-	-	-	792.08	786.46	4.62
12B	36+25	20.5' LT	CTH T	-	-	-	-	1	-	-	-	-	-	1	-	-	-	-	-	-	-	-	792.08	786.52	4.56
13	38+75	6' RT	CTH T	1	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	793.11	788.00	3.86
13A	38+75	20.5' RT	CTH T	-	-	-	-	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	792.87	788.07	3.80
13B	38+75	20.5' LT	CTH T	-	-	-	-	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	792.87	788.13	3.74
14	41+75	6' RT	CTH T	-	-	-	-	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	795.22	790.25	3.97
14A	41+75	20.5' RT	CTH T	-	-	-	-	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	794.98	790.32	3.66

STORM SEWER STRUCTURES AND COVERS (CONTINUED)

STR.	STATION	OFFSET	LOCATION	SPV.0060.01 MH TYPE 1 SPECIAL EACH	SPV.0060.02 MANHOLE 5-FOOT EACH	SPV.0060.03 INLET TYPE 2 SPECIAL EACH	SPV.0060.04 INLET TYPE 1 SPECIAL EACH	SPV.0060.05 INLET TYPE 3 SPECIAL EACH	SPV.0060.06 INLET TYPE 8 SPECIAL EACH	611.0535 MH COVERS TYPE J SPECIAL EACH	611.0612 INLET COVERS TYPE C EACH	611.0624 INLET COVERS TYPE H EACH	611.0636 INLET COVERS TYPE HM-S EACH	611.0639 INLET COVERS TYPE H-S EACH	611.0642 INLET COVERS TYPE MS EACH	611.0645 INLET COVERS TYPE MS-A EACH	611.0652 INLET COVERS TYPE T EACH	522.1012 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 12-INCH EACH	522.1015 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 15-INCH EACH	522.1018 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 18-INCH EACH	522.1024 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 24-INCH EACH	* JOINT TIES EACH	GRATE ELEV.	OUTLET INVERT ELEV.	STR. DEPTH FT.
14B	41+75	20.5' LT	CTH T	-	-	-	-	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	794.98	790.38	3.35
15	44+50	6' RT	CTH T	1	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	797.45	791.27	4.93
16	47+16	6' RT	CTH T	1	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	797.38	792.25	3.88
16A	47+16	20.5' RT	CTH T	-	-	-	-	1	-	-	-	-	-	1	-	-	-	-	-	-	-	-	797.14	792.32	3.82
16B	47+16	20.5' LT	CTH T	-	-	-	-	1	-	-	-	-	-	1	-	-	-	-	-	-	-	-	797.14	792.38	3.76
17	48+90	6' RT	CTH T	1	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	798.47	793.20	4.02
17A	49+00	31' RT	CTH T	-	-	-	-	-	1	-	-	-	-	-	1	-	-	-	-	-	-	-	795.41	793.35	2.06
17B	49+00	30' LT	CTH T	-	-	-	-	-	1	-	-	-	-	-	1	-	-	-	-	-	-	-	795.43	793.41	2.02
18	206+50 EB	42' RT	CTH Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	6	772.00	-	-
18A	506+73	2.5' RT	SW QUAD. EOP	-	-	-	-	1	-	-	-	-	-	1	-	-	-	-	-	-	-	-	777.96	772.16	4.80
18B	206+73 EB	2.5' LT	CTH Y	-	-	-	-	1	-	-	-	-	-	1	-	-	-	-	-	-	-	-	778.26	772.25	5.01
18C	206+65 WB	2.5' RT	CTH Y	-	-	-	-	1	-	-	-	-	-	1	-	-	-	-	-	-	-	-	778.43	772.32	5.11
18D	617+12	2.5' LT	NW QUAD. EOP	-	-	-	-	1	-	-	-	-	-	1	-	-	-	-	-	-	-	-	778.11	772.41	4.70
19	210+50 EB	34' RT	CTH Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	6	772.65	-	-
19A	210+50 EB	3' LT	CTH Y	-	-	-	-	1	-	-	-	-	1	-	-	-	-	-	-	-	-	-	776.53	772.83	2.70
19B	210+47 WB	3.75' RT	CTH Y	-	-	-	-	1	-	-	-	-	1	-	-	-	-	-	-	-	-	-	776.59	772.87	2.72
20	65+55	31' LT	CTH T	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	804.35	-	-
21	68+00	27' LT	CTH T	1	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	808.50	805.09	2.16
22	68+30	41' LT	CTH T	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	805.20	-	-
23	69+30	42' LT	CTH T	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	805.20	-	-
23A	70+20	36' LT	CTH T	-	-	-	-	-	1	-	-	-	-	-	1	-	-	-	-	-	-	-	808.50	805.74	2.76
24	124+00	36' RT	CTH T	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	831.00	-	-
25	123+11	32.4' RT	CTH T	-	-	-	-	1	-	-	-	-	-	1	-	-	-	-	-	-	-	-	835.38	831.27	3.11
26	122+28	50' RT	CTH T	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-	-	831.53	-	-
27	123+50	42' LT	CTH T	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	831.00	-	-
28	122+21	21' LT	CTH T	-	-	-	-	1	-	-	-	-	-	1	-	-	-	-	-	-	-	-	836.15	831.67	3.48
	TOTALS			13	2	2	2	32	5	15	2	14	4	14	3	2	2	2	6	2	1				

REMARKS:
-OFFSET DISTANCE TO CENTER FOR MANHOLES, BACK OF CURB FOR INLETS/CATCHBASINS, AND END OF ENDWALLS.
-GRATE ELEVATION IS FIGURED TO EDGE OF PAVEMENT FOR INLETS, CENTER OF MANHOLE COVER AND ENDWALL INVERT.
-FINAL LOCATION TO BE DETERMINED BY THE ENGINEER.
-STRUCTURE DEPTHS COMPUTED WITH A MINIMUM OF 6-INCHES ADJUSTMENT TO COVERS FOR TYPE 1 SPECIAL INLETS, TYPE 3 SPECIAL INLETS, & TYPE 1 MANHOLES
-INLET DEPTHS COMPUTED WITH A 1-INCH RUBBER ADJUSTMENT TO COVERS FOR TYPE 2 SPECIAL INLETS
*-FOR INFORMATION ONLY: JOINT TIES ARE REQUIRED FOR ENDWALLS. TIE LAST THREE PIPE JOINTS (TWO TIES PER JOINT-6 TIES MINIMUM PER ENDWALL).
-JOINT TIES ARE NON-PAY ITEMS.

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CONCRETE CURB AND CURB & GUTTER

STATION - STATION	LOCATION	601.0105 CONCRETE CURB TYPE A LF	601.0411 30-INCH TYPE D LF	601.0553 4-INCH SLOPED 36-INCH TYPE D LF	601.0557 6-INCH SLOPED 36-INCH TYPE D LF	601.0580 4-INCH SLOPED 36-INCH TYPE R LF
1+00 - 4+24	ROUNDABOUT	230	-	-	-	308
12+80 - 15+01	CTH T NBND	-	-	221	-	-
12+81 - 14+98	CTH T SBND	-	-	217	-	-
14+98 - 15+92	CTH T SBND	-	94	-	-	-
15+01 - 15+92	CTH T NBND	-	91	-	-	-
17+42 - 19+82	CTH T SBND	-	240	-	-	-
17+44 - 19+82	CTH T NBND	-	238	-	-	-
20+95 - 23+92	CTH T, LT	-	312	-	-	-
21+98 - 28+75	CTH T, RT	-	692	-	-	-
24+23 - 34+66	CTH T, LT	-	1,072	-	-	-
29+05 - 48+50	CTH T, RT	-	1,960	-	-	-
34+96 - 48+50	CTH T, LT	-	1,369	-	-	-
65+80 - 69+71	CTH T, LT	-	-	-	412	-
67+50 - 69+72	CTH T, RT	-	-	-	239	-
70+01 - 73+00	CTH T, LT	-	-	-	318	-
70+03 - 71+50	CTH T, RT	-	-	-	168	-
99+70 - 103+20	CTH T, RT	-	-	-	350	-
110+00 - 114+00	CTH T, LT	-	-	-	400	-
119+40 - 122+62	CTH T, LT	-	-	-	342	-
122+01 - 122+61	CTH T, RT	-	-	-	92	-
122+97 - 123+90	CTH T, RT	-	-	-	112	-
122+98 - 123+58	CTH T, LT	-	-	-	91	-
412+00 - 415+02	SE QUADRANT EOP	-	-	302	-	-
415+02 - 417+55	SE QUADRANT EOP	-	253	-	-	-
417+55 - 418+56	SE QUADRANT EOP	-	-	101	-	-
504+34 - 506+22	SW QUADRANT EOP	-	-	188	-	-
506+22 - 508+65	SW QUADRANT EOP	-	243	-	-	-
508+66 - 511+64	SW QUADRANT EOP	-	-	298	-	-
614+86 - 616+65	NW QUADRANT EOP	-	-	179	-	-
616+65 - 621+70	NW QUADRANT EOP	-	505	-	-	-
714+90 - 715+90	NE QUADRANT EOP	-	-	100	-	-
715+90 - 721+98	NE QUADRANT EOP	-	608	-	-	-
204+34 - 206+16	CTH Y EBND	-	-	182	-	-
204+35 - 206+18	CTH Y WBND	-	-	183	-	-
206+16 - 207+11	CTH Y EBND	-	95	-	-	-
206+18 - 207+10	CTH Y WBND	-	92	-	-	-
208+61 - 209+53	CTH Y EBND	-	92	-	-	-
208+62 - 209+57	CTH Y WBND	-	95	-	-	-
209+53 - 210+52	CTH Y EBND	-	-	99	-	-
209+57 - 210+54	CTH Y WBND	-	-	97	-	-
496+50 - 499+43	BROOKS ROAD, LT	-	-	-	293	-
500+53 - 501+50	BROOKS ROAD, LT	-	-	-	97	-
500+58 - 501+90	BROOKS ROAD, RT	-	-	-	132	-
598+25 - 599+42	CTH GG, RT	-	-	-	117	-
600+58 - 602+25	CTH GG, LT	-	-	-	167	-
TOTAL		230	8,051	2,167	3,330	308

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CONCRETE SIDEWALK AND DRIVEWAYS

STATION	TO	STATION	LOCATION	416.0160 DRIVEWAY 6-INCH SY	SPV.0165.01 COLORED SIDEWALK 4-INCH SF
12+80	-	15+94	CTH T, SB, RT	-	4,180
17+40	-	19+79	CTH T, SB, RT	-	2,130
22+18	-	22+40	CTH T, LT	26	-
24+80	-	25+02	CTH T, LT	30	-
32+48	-	32+66	CTH T, LT	32	-
34+05	-	34+25	CTH T, LT	42	-
45+22	-	45+57	CTH T, LT	50	-
204+34	-	207+08	CTH Y, EB, RT	-	2,016
208+59	-	210+54	CTH Y, EB, RT	-	1,474
TOTALS				180	9,800

UNDERDRAIN

STATION	TO	STATION	LOCATION	310.0110 BASE AGGREGATE DENSE OPEN GRADED TON	612.0106 PIPE UNDERDRAIN 6-INCH LF	612.0600 PIPE UNDERDRAIN TRENCH LF	645.0111 GEOTEXTILE FABRIC TYPE DF SCHEDULE A SY
1+00	-	4+24	ROUNDABOUT	53	290	290	145
17+55	-	17+75	CTH T, SB, LT & RT	7	40	40	20
17+55	-	17+75	CTH T, NB, LT & RT	7	40	40	20
36+15	-	36+35	CTH T, LT & RT	7	40	40	20
47+06	-	47+26	CTH T, LT & RT	7	40	40	20
206+55	-	206+75	CTH Y, WB, LT & RT	7	40	40	20
206+62	-	206+82	CTH Y, EB, LT & RT	7	40	40	20
TOTALS				95	530	530	265

RIPRAP AND GEOTEXTILE

STATION	LOCATION	606.0200 RIPRAP MEDIUM CY	645.0120 GEOTEXTILE TYPE HR SY	645.0130 GEOTEXTILE TYPE R SY	REMARKS
14+90	CTH T, SB, LT & RT	23	45	-	CULVERT PIPE ENDS
16+00	CTH T, NB, RT	4	7	-	CULVERT PIPE END
72+70	CTH T, RT	16	32	-	CULVERT PIPE ENDS
73+40	CTH T, LT	16	32	-	CULVERT PIPE ENDS
84+32	CTH T, RT	5	11	-	CULVERT PIPE ENDS
107+53	CTH T, RT	5	11	-	CULVERT PIPE END
109+74	CTH T, LT	2	4	-	ASPHALT FLUME
117+00	CTH T, RT	5	10	-	CULVERT PIPE END
205+68	CTH Y, WB, LT	4	9	-	CULVERT PIPE END
206+25	CTH Y, EB, RT	4	9	-	CULVERT PIPE END
202+40 - 206+25	CTH Y, EB, RT	210	-	550	DITCH PROTECTION
	UNDISTRIBUTED	26	30	50	
TOTALS		320	200	600	

CONCRETE MEDIAN SLOPE NOSE

STATION	LOCATION	620.0300 SF
12+78	CTH T	42
15+94	CTH T, SB, RT	6
15+94	CTH T, NB, LT	6
17+40	CTH T, SB, RT	6
17+42	CTH T, NB, LT	6
19+80	CTH T, SB, RT	13
204+34	CTH Y, WB, RT	12
207+11	CTH Y, EB, LT	5
207+13	CTH Y, WB, RT	5
208+60	CTH Y, EB, LT	5
208+60	CTH Y, WB, RT	5
210+55	CTH Y, EB, LT	13
TOTAL		124

WATER

STATION	TO	STATION	LOCATION	624.0100 MGAL
10+00	-	12+00	CTH T	3
12+00	-	16+00	CTH T	16
1+00	-	4+24	ROUNDABOUT	7
17+34	-	48+50	CTH T	89
48+50	-	65+65	CTH T	45
65+65	-	73+00	CTH T	19
73+00	-	99+24	CTH T	68
99+24	-	103+83	CTH T	13
103+83	-	109+33	CTH T	14
109+33	-	114+55	CTH T	14
114+55	-	118+73	CTH T	11
118+73	-	124+00	CTH T	15
201+25	-	207+19	CTH Y	19
208+53	-	213+00	CTH Y	13
			RICHARDS AVENUE	2
			SKY RANCH AVENUE	1
			ROBERTS AVENUE	2
496+00	-	499+82	BROOKS ROAD	10
500+18	-	502+20	BROOKS ROAD	6
597+25	-	599+82	CTH GG	8
600+18	-	602+90	CTH GG	8
ENTIRE PROJECT			REPLACING CABC DRIVEWAYS	6
TOTAL				383

DUST CONTROL SURFACE TREATMENT

LOCATION	623.0200 SY
UNDISTRIBUTED	100,000
TOTAL	100,000

See Addendum Sheet

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CONCRETE SIDEWALK AND DRIVEWAYS

STATION	TO	STATION	LOCATION	416.0160 DRIVEWAY 6-INCH SY	SPV.0165.01 COLORED SIDEWALK 4-INCH SF
12+80	-	15+94	CTH T, SB, RT	-	4,180
17+40	-	19+79	CTH T, SB, RT	-	2,130
22+18	-	22+40	CTH T, LT	26	-
24+80	-	25+02	CTH T, LT	30	-
32+48	-	32+66	CTH T, LT	32	-
34+05	-	34+25	CTH T, LT	42	-
45+22	-	45+57	CTH T, LT	50	-
204+34	-	207+08	CTH Y, EB, RT	-	2,016
208+59	-	210+54	CTH Y, EB, RT	-	1,474
TOTALS				180	9,800

RIPRAP AND GEOTEXTILE

STATION	LOCATION	606.0200 RIPRAP MEDIUM CY	645.0120 GEOTEXTILE TYPE HR SY	645.0130 GEOTEXTILE TYPE R SY	REMARKS
14+90	CTH T, SB, LT & RT	23	45	-	CULVERT PIPE ENDS
16+00	CTH T, NB, RT	4	7	-	CULVERT PIPE END
72+70	CTH T, RT	16	32	-	CULVERT PIPE ENDS
73+40	CTH T, LT	16	32	-	CULVERT PIPE ENDS
84+32	CTH T, RT	5	11	-	CULVERT PIPE ENDS
107+53	CTH T, RT	5	11	-	CULVERT PIPE END
109+74	CTH T, LT	2	4	-	ASPHALT FLUME
117+00	CTH T, RT	5	10	-	CULVERT PIPE END
205+68	CTH Y, WB, LT	4	9	-	CULVERT PIPE END
206+25	CTH Y, EB, RT	4	9	-	CULVERT PIPE END
202+40 - 206+25	CTH Y, EB, RT	210	-	550	DITCH PROTECTION
	UNDISTRIBUTED	26	30	50	
TOTALS		320	200	600	

MONUMENT SUMMARY

STATION	LOCATION	DESCRIPTION	SPV.0060.07 LANDMARK REFERENCE EACH	SPV.0060.08 SECTION SURVEY EACH
16+96.47, 33.50 LT	CTH T, NB	SW CORNER SECTION 27, T19N, R16E	4	1
43+45.95, 0.0 LT	CTH T	W QUARTER CORNER SECTION 27, T19N, R16E	4	1
69+89.75, 0.0 LT	CTH T	NW CORNER SECTION, T19N, R16E	4	1
96+36.36, 0.91 RT	CTH T	W QUARTER CORNER SECTION 22, T19N, R16E	4	1
122+80.13, 0.0 LT	CTH T	NW CORNER SECTION 22, T19N, R16E	4	1
			20	5

NOTE: STATIONING IS BASED OFF PROPOSED NORTHBOUND ALIGNMENT, NOT THE RIGHT-OF-WAY ALIGNMENT.

UNDERDRAIN

STATION	TO	STATION	LOCATION	310.0110 BASE AGGREGATE DENSE OPEN GRADED TON	612.0106 PIPE UNDERDRAIN 6-INCH LF	612.0600 PIPE UNDERDRAIN TRENCH LF	645.0111 GEOTEXTILE FABRIC TYPE DF SCHEDULE A SY
1+00	-	4+24	ROUNDABOUT	53	290	290	145
17+55	-	17+75	CTH T, SB, LT & RT	7	40	40	20
17+55	-	17+75	CTH T, NB, LT & RT	7	40	40	20
36+15	-	36+35	CTH T, LT & RT	7	40	40	20
47+06	-	47+26	CTH T, LT & RT	7	40	40	20
206+55	-	206+75	CTH Y, WB, LT & RT	7	40	40	20
206+62	-	206+82	CTH Y, EB, LT & RT	7	40	40	20
TOTALS				95	530	530	265

CONCRETE MEDIAN SLOPE NOSE

STATION	LOCATION	620.0300 SF
12+78	CTH T	42
15+94	CTH T, SB, RT	6
15+94	CTH T, NB, LT	6
17+40	CTH T, SB, RT	6
17+42	CTH T, NB, LT	6
19+80	CTH T, SB, RT	13
204+34	CTH Y, WB, RT	12
207+11	CTH Y, EB, LT	5
207+13	CTH Y, WB, RT	5
208+60	CTH Y, EB, LT	5
208+60	CTH Y, WB, RT	5
210+55	CTH Y, EB, LT	13
TOTAL		124

DUST CONTROL SURFACE TREATMENT

LOCATION	623.0200 SY
UNDISTRIBUTED	100,000
TOTAL	100,000

WATER

STATION	TO	STATION	LOCATION	624.0100 MGAL
10+00	-	12+00	CTH T	3
12+00	-	16+00	CTH T	16
1+00	-	4+24	ROUNDABOUT	7
17+34	-	48+50	CTH T	89
48+50	-	65+65	CTH T	45
65+65	-	73+00	CTH T	19
73+00	-	99+24	CTH T	68
99+24	-	103+83	CTH T	13
103+83	-	109+33	CTH T	14
109+33	-	114+55	CTH T	14
114+55	-	118+73	CTH T	11
118+73	-	124+00	CTH T	15
201+25	-	207+19	CTH Y	19
208+53	-	213+00	CTH Y	13
			RICHARDS AVENUE	2
			SKY RANCH AVENUE	1
			ROBERTS AVENUE	2
496+00	-	499+82	BROOKS ROAD	10
500+18	-	502+20	BROOKS ROAD	6
597+25	-	599+82	CTH GG	8
600+18	-	602+90	CTH GG	8
ENTIRE PROJECT			REPLACING CABC DRIVEWAYS	6
TOTAL				383

SALVAGED TOPSOIL, MULCHING, FERTILIZER, AND SEED

STATION	TO	STATION	LOCATION	625.0100 TOPSOIL SY	625.0105 TOPSOIL CY	625.0500 SALVAGED TOPSOIL SY	627.0200 MULCHING SY	629.0210 FERTILIZER, TYPE B CWT	630.0120 SEEDING MIXTURE NO 20 LB	630.0140 SEEDING MIXTURE NO 40 LB	630.0200 SEEDING TEMPORARY LB	SPV.0085.01 LOW MAINTENANCE SEED MIX LB	SPV.0180.01 HYDROMULCHING SY
1+00	-	4+24	ROUNDABOUT	-	135	-	-	0.3	-	-	11	11	405
10+00	-	16+00	CTH T	2,450	-	-	-	1.5	-	44	66	-	2,318
17+36	-	48+50	CTH T	7,350	-	-	-	4.6	-	132	200	-	7,350
48+50	-	65+80	CTH T, LT	-	-	3,420	3,369	2.2	92	-	92	-	-
48+50	-	67+50	CTH T, RT	-	-	3,445	3,422	2.2	93	-	93	-	-
65+80	-	69+50	CTH T, LT	580	-	-	-	0.4	-	10	16	-	568
67+50	-	69+50	CTH T, RT	170	-	-	-	0.1	-	3	5	-	170
70+00	-	73+00	CTH T, LT	410	-	-	-	0.3	-	7	11	-	410
70+00	-	71+50	CTH T, RT	250	-	-	-	0.2	-	5	7	-	250
71+50	-	99+70	CTH T, RT	-	-	6,290	5,929	4.0	170	-	170	-	-
73+00	-	110+00	CTH T, LT	-	-	8,735	8,440	5.5	236	-	236	-	-
99+70	-	103+20	CTH T, RT	255	-	-	-	0.2	-	5	7	-	255
103+20	-	122+50	CTH T, RT	-	-	5,685	5,667	1.7	154	-	154	-	-
110+00	-	114+00	CTH T, LT	660	-	-	-	0.4	-	12	18	-	660
114+00	-	119+40	CTH T, LT	-	-	1,060	1,052	0.7	29	-	29	-	-
119+40	-	122+50	CTH T, LT	290	-	-	-	0.2	-	5	8	-	290
123+00	-	124+00	CTH T, LT	-	-	460	454	0.3	12	-	12	-	-
123+00	-	124+00	CTH T, RT	285	-	-	-	0.2	-	5	8	-	279
124+00	-	127+00	CTH T, RT	-	-	1,160	1,142	0.7	31	-	31	-	-
201+25	-	204+30	CTH Y	-	-	990	545	0.6	27	-	27	-	-
204+30	-	207+18	CTH Y	1,940	-	-	-	1.2	-	35	52	-	1,496
208+54	-	210+59	CTH Y	740	-	-	-	0.5	-	13	20	-	734
210+59	-	213+00	CTH Y	-	-	640	624	0.4	17	-	17	-	-
23+85	-	24+35	RICHARDS AVENUE	150	-	-	-	0.1	-	3	4	-	150
28+65	-	29+15	SKY RANCH AVENUE	150	-	-	-	0.1	-	3	4	-	150
34+56	-	35+00	ROBERTS AVENUE	150	-	-	-	0.1	-	3	4	-	150
496+00	-	499+50	BROOKS ROAD, LT	420	-	-	-	0.3	-	8	11	-	420
496+00	-	499+50	BROOKS ROAD, RT	-	-	615	555	0.4	17	-	17	-	-
500+00	-	502+20	BROOKS ROAD	320	-	-	-	0.2	-	6	9	-	312
597+25	-	599+50	CTH GG, LT	-	-	295	291	0.2	8	-	8	-	-
597+25	-	599+50	CTH GG, RT	180	-	-	-	0.1	-	3	5	-	172
600+50	-	602+85	CTH GG, LT	195	-	-	-	0.1	-	4	5	-	195
600+50	-	602+85	CTH GG, RT	-	-	650	650	0.4	18	-	18	-	-
			WASTE AREA	-	-	-	15,000	9.5	405	-	405	-	-
			UNDISTRIBUTED	1555	-	-	5,860	10.1	192	37	220	-	1766
TOTALS				18,500	135	33,445	53,000	50	1,500	343	2,000	11	18,500

NOTE: SEEDING MIXTURE 40 AND TOPSOIL ARE TO BE USED IN URBAN AREA AND BEHIND ALL CURB AND GUTTER.
SEEDING MIXTURE 40 AND FERTILIZER TO BE APPLIED IN CONJUNCTION WITH MULCH USING HYDROMULCHING METHOD.

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SILT FENCE

STATION	TO	STATION	LOCATION	628.1504 SILT FENCE LF	628.1520 MAINTENANCE LF
10+00	-	16+01	CTH T, NB	600	1200
13+15	-	14+85	CTH T, SB	170	340
15+15	-	15+75	CTH T, SB	60	120
17+36	-	18+75	CTH T, NB	140	280
17+50	-	18+00	CTH T, SB	50	100
22+75	-	25+75	CTH T, NB	300	600
25+65	-	26+25	CTH T, LT	60	120
31+00	-	32+15	CTH T, RT	115	230
38+50	-	41+35	CTH T, LT	285	570
38+50	-	41+00	CTH T, RT	250	500
43+25	-	48+75	CTH T, RT	550	1100
56+50	-	63+30	CTH T, LT	680	1360
57+80	-	65+50	CTH T, RT	770	1540
65+50	-	66+35	CTH T, LT	85	170
67+40	-	68+30	CTH T, LT	90	180
67+40	-	69+00	CTH T, RT	160	320
70+25	-	74+50	CTH T, RT	425	850
75+60	-	79+50	CTH T, RT	390	780
75+75	-	77+50	CTH T, LT	175	350
83+50	-	88+25	CTH T, LT	475	950
83+50	-	89+50	CTH T, RT	600	1200
91+35	-	100+00	CTH T, LT	865	1730
94+50	-	100+00	CTH T, RT	550	1100
104+50	-	109+90	CTH T, LT	540	1080
105+20	-	110+75	CTH T, RT	555	1110
112+75	-	115+50	CTH T, LT	275	550
204+40	-	205+15	CTH Y, LT	75	150
204+50	-	207+20	CTH Y, RT	270	540
208+54	-	210+25	CTH Y, RT	170	340
208+75	-	210+60	CTH Y, LT	185	370
496+75	-	498+25	BROOKS ROAD, RT	150	300
501+00	-	502+20	BROOKS ROAD, RT	120	240
501+30	-	502+20	BROOKS ROAD, RT	90	180
597+75	-	498+25	CTH GG, RT	50	100
WASTE AREA			CTH T	1000	2000
UNDISTRIBUTED			CTH T	1675	3350
TOTALS				13,000	26,000

EROSON MAT

STATION	LOCATION	628.2004 CLASS I TYPE B SY	REMARKS
11+71	CTH T, RT	4	ASPHALT FLUME
11+79	CTH T, LT	4	ASPHALT FLUME
13+00	CTH T, RT	6	STORM PIPE END
13+75 - 14+75	CTH T, RT	110	DITCH PROTECTION
15+15	CTH T, LT & RT	8	ASPHALT FLUMES
49+25	CTH T, RT	10	CULVERT PIPE ENDS
53+48	CTH T, LT	12	CULVERT PIPE ENDS
60+10	CTH T, LT & RT	18	CULVERT PIPE ENDS
63+32	CTH T, LT	10	CULVERT PIPE ENDS
63+86	CTH T, LT	10	CULVERT PIPE ENDS
65+54	CTH T, LT	4	ASPHALT FLUME
65+55	CTH T, LT	6	CULVERT PIPE END
68+30	CTH T, LT	6	CULVERT PIPE END
67+22	CTH T, RT	4	ASPHALT FLUME
69+30	CTH T, LT	6	STORM PIPE END
72+72	CTH T, RT	22	CULVERT PIPE END
73+10 - 74+00	CTH T, RT	100	DITCH PROTECTION
73+40	CTH T, LT	22	CULVERT PIPE END
75+55	CTH T, RT	12	CULVERT PIPE ENDS
76+93	CTH T, RT	12	CULVERT PIPE ENDS
78+73	CTH T, LT	12	CULVERT PIPE ENDS
83+09	CTH T, LT	12	CULVERT PIPE ENDS
84+32	CTH T, LT	9	CULVERT PIPE END
88+60	CTH T, RT	12	CULVERT PIPE ENDS
91+35	CTH T, LT	12	CULVERT PIPE ENDS
95+92	CTH T, RT & LT	18	CULVERT PIPE ENDS
98+00 - 99+70	CTH T, LT	190	DITCH PROTECTION
98+00 - 99+70	CTH T, RT	190	DITCH PROTECTION
99+44	CTH T, RT	4	ASPHALT FLUME
99+68	CTH T, LT	10	CULVERT PIPE ENDS
101+16	CTH T, LT	10	CULVERT PIPE ENDS
105+20	CTH T, RT	12	CULVERT PIPE ENDS
107+53	CTH T, LT	9	CULVERT PIPE END
117+00	CTH T, LT	8	CULVERT PIPE END
122+25	CTH T, RT	6	STORM PIPE END
123+50	CTH T, LT	6	STORM PIPE END
124+00	CTH T, RT	6	STORM PIPE END
124+16	CTH T, RT	4	ASPHALT FLUME
126+65	CTH T, RT	14	CULVERT PIPE ENDS
201+63	CTH Y, RT	7	CULVERT PIPE END
201+78	CTH Y, LT	14	CULVERT PIPE ENDS
202+00 - 205+75	CTH Y, LT	420	DITCH PROTECTION
206+02	CTH Y, LT	14	CULVERT PIPE ENDS
206+50	CTH Y, RT	6	CULVERT PIPE END
210+50	CTH Y, RT	6	CULVERT PIPE END

EROSON MAT

STATION	LOCATION	628.2004 CLASS I TYPE B SY	REMARKS
210+76	CTH Y, LT	4	ASPHALT FLUME
210+83	CTH Y, RT	4	ASPHALT FLUME
212+65	CTH Y, RT	8	CULVERT END PIPES
499+00 - 499+50	BROOKS ROAD, RT	60	DITCH PROTECTION
501+71	BROOKS ROAD, LT	4	ASPHALT FLUME
501+97	BROOKS ROAD, RT	4	ASPHALT FLUME
598+05	CTH GG, RT	4	ASPHALT FLUME
598+97	CTH GG, LT	4	ASPHALT FLUME
600+45	CTH GG, RT	4	ASPHALT FLUME
	UNDISTRIBUTED	207	
TOTAL		1700	

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INLET PROTECTION

STRUCTURE NO.	STATION	LOCATION	628.7005 TYPE A EACH	628.7010 TYPE B EACH	628.7015 TYPE C EACH
1A	12+85	CTH T	1	-	1
1B	12+85	CTH T	1	-	1
3A	3+16	CTH T	1	-	1
3B	3+26	CTH T	1	-	1
4A	17+66	CTH T	1	-	1
4B	17+64	CTH T	1	-	1
4C	17+65	CTH T	1	-	1
4D	17+64	CTH T	1	-	1
5A	20+48	CTH T	1	-	1
5B	20+49	CTH T	1	-	1
6A	22+25	CTH T	1	1	-
7A	24+49	CTH T	1	-	1
7B	24+40	CTH T	1	1	-
7C	24+49	CTH T	1	-	1
7D	24+32	CTH T	1	1	-
7E	23+80	CTH T	1	1	-
8A	27+64	CTH T	1	-	1
8B	27+64	CTH T	1	-	1
9A	29+32	CTH T	1	-	1
11A	34+39	CTH T	1	-	1
11B	34+39	CTH T	1	-	1
12A	36+25	CTH T	1	-	1
12B	36+25	CTH T	1	-	1
13A	38+74	CTH T	1	-	1
13B	38+74	CTH T	1	-	1
14A	41+75	CTH T	1	-	1
14B	41+75	CTH T	1	-	1
16A	47+16	CTH T	1	-	1
16B	47+16	CTH T	1	-	1
17A	49+00	CTH T	1	1	-
17B	49+00	CTH T	1	1	-
18A	206+72	CTH T	1	-	1
18B	206+73	CTH T	1	-	1
18C	206+64	CTH T	1	-	1
18D	206+63	CTH T	1	-	1
19A	210+50	CTH T	1	-	1
19B	210+47	CTH T	1	-	1
23A	70+20	CTH T	1	1	-
25	123+11	CTH T	1	-	1
28	122+21	CTH T	1	-	1
	TOTALS		40	7	33

CULVERT PIPE CHECKS

STATION	LOCATION	628.7555 EACH
60+09 RT	CTH T	3
73+00 LT	CTH T	6
73+10 LT	CTH T	6
84+32 LT	CTH T	4
95+92 RT	CTH T	3
107+53 LT	CTH T	3
117+.00 LT	CTH T	3
TOTAL		28

ROCK BAGS

STATION	LOCATION	628.7570 EACH
14+40 RT	CTH T	10
14+60 RT	CTH T	10
58+25 LT	CTH T	10
72+81 RT	CTH T	10
84+32 RT	CTH T	10
95+92 LT	CTH T	10
107+53 RT	CTH T	10
205+65 LT	CTH Y	10
206+20 RT	CTH Y	10
213+00 RT & LT	CTH Y	20
502+20 RT & LT	BROOKS ROAD	20
597+25 RT & LT	CTH GG	20
UNDISTRUBUTED		20
TOTAL		170

TEMPORARY DITCH CHECKS

STATION	LOCATION	628.7504 LF
13+75	CTH T, RT	15
UNDISTRIBUTED		30
TOTAL		45

ERECTION OF TYPE II SIGNS AND SUPPORTS

SIGN NO.	LOCATION	SIGN CODE	W X H	637.0202 SIGNS REFLECTIVE TYPE II S.F.	634.0612 POSTS WOOD 4x6x12 EACH	634.0614 POSTS WOOD 4x6x14 EACH	634.0616 POSTS WOOD 4x6x16 EACH	REMARKS
1	CTH T, S. OF CTH Y	W2-6	30" X 30"	6.25		1		
1A	"	W13-1	18" X 18"	2.25				15 MPH, MOUNT BELOW SIGN #1
2	"	R2-1	24" X 30"	5.00		1		45 MPH
2A	"	W6-1	36" X 36"	9.00		1		
3	"	J4-1	24" X 36"	6.00		1		CTH T, SEE PLAN SHEET
4	CTH T MEDIAN, S, OF CTH Y	R4-7	36" X 48"	12.00		1		
5	CTH T, S. OF CTH Y	W3-2	36" X 36"	9.00		1		
6	CTH T MEDIAN, S, OF CTH Y	J3-1	24" X 57"	9.50		1		CTH T, SEE PLAN SHEET
7	"	R1-2	36" X 31"	7.00			1	
7A	"	R6-2R	24" X 30"	5.00				MOUNT BELOW SIGN #7
8	CTH T AT CTH Y	R1-2	36" X 31"	7.00		1		
8A	"	R1-54	24" X 15"	2.50				MOUNT BELOW SIGN #8
9	IN ROUNDABOUT	R6-1R	54" X 18"	6.75		2		
9A	"	R6-4B	60" X 24"	10.00				MOUNT BELOW SIGN #9
10	CTH Y, W. OF CTH T	W2-6	30" X 30"	6.25		1		
10A	"	W13-1	18" X 18"	2.25				15 MPH, MOUNT BELOW SIGN #10
11	"	R2-1	24" X 30"	5.00		1		45 MPH
12	CTH Y MEDIAN, W. OF CTH T	R4-7	36" X 48"	12.00		1		
13	"	J4-1	24" X 36"	6.00		1		CTH Y, SEE PLAN SHEET
14	CTH Y, W. OF CTH T	W3-2	36" X 36"	9.00		1		
15	CTH Y MEDIAN AT CTH T	R1-2	36" X 31"	7.00			1	
15A	"	R6-2R	24" X 30"	5.00				MOUNT BELOW SIGN #15
16	CTH Y, W. OF CTH T	R1-2	36" X 31"	5.18		1		
16A	"	R1-54	24" X 15"	2.50				MOUNT BELOW SIGN #16
16B	CTH Y MEDIAN AT CTH T	J3-1	24" X 57"	9.50		1		CTH Y, SEE PLAN SHEET
17	IN ROUNDABOUT	R6-1R	54" X 18"	6.75		2		
17A	"	R6-4B	60" X 24"	10.00				MOUNT BELOW SIGN #17
18	"	R6-1R	54" X 18"	6.75		2		
18A	"	R6-4B	60" X 24"	10.00				MOUNT BELOW SIGN #18
19	CTH Y MEDIAN, E. OF CTH T	J3-1	24" X 57"	9.50		1		CTH Y, SEE PLAN SHEET
20	"	R1-2	36" X 31"	7.00			1	
20A	"	R6-2R	24" X 30"	5.00				MOUNT BELOW SIGN #20
21	CTH Y, E. OF CTH T	R1-2	36" X 31"	7.00		1		
21A	"	R1-54	24" X 15"	2.50				MOUNT BELOW SIGN #21
22	"	W3-2	36" X 36"	9.00		1		
23	CTH Y MEDIAN, E. OF CTH T	R4-7	36" X 48"	12.00		1		
24	CTH Y, E. OF CTH T	J4-1	24" X 36"	6.00		1		CTH Y, SEE PLAN SHEET
25	"	R2-1	24" X 30"	5.00		1		45 MPH
26	"	W2-6	30" X 30"	6.25		1		
26A	"	W13-1	18" X 18"	2.25		1		15 MPH, MOUNT BELOW SIGN #26
27	IN ROUNDABOUT	R6-1R	54" X 18"	6.75				
27A	"	R6-4B	60" X 24"	10.00		2		MOUNT BELOW SIGN #27
28	CTH T, N. OF CTH Y	R1-2	36" X 31"	7.00				
28A	"	R1-54	24" X 15"	2.50		1		MOUNT BELOW SIGN #28
29	CTH T MEDIAN, N. OF CTH Y	R1-2	36" X 31"	7.00			1	
29A	"	R6-2R	24" X 30"	5.00				MOUNT BELOW SIGN #29

ERECTION OF TYPE II SIGNS AND SUPPORTS

SIGN NO.	LOCATION	SIGN CODE	W X H	637.0202 SIGNS REFLECTIVE TYPE II S.F.	634.0612 POSTS WOOD 4x6x12 EACH	634.0614 POSTS WOOD 4x6x14 EACH	634.0616 POSTS WOOD 4x6x16 EACH	REMARKS
30	CTH T MEDIAN, N. OF CTH Y	J3-1	24" X 57"	9.50		1		CTH T, SEE PLAN SHEET
31	CTH T, N. OF CTH Y	W3-2	36" X 36"	9.00		1		
32	CTH T MEDIAN, N. OF CTH Y	R4-7	36" X 48"	12.00		1		
33	CTH T, N. OF CTH Y	J4-1	24" X 36"	6.00		1		CTH T, SEE PLAN SHEET
34	"	W2-6	30" X 30"	6.25		1		
34A	"	W13-1	18" X 18"	2.25		1		15 MPH, MOUNT BELOW SIGN #34
35	"	R2-1	24" X 30"	5.00				35 MPH
36	RICHARDS AVE	R1-1	30" X 30"	5.18		1		
37	CTH T, N. OF RICHARDS AVE	J1-1	24" X 39"	6.50		1		CTH Y, SEE PLAN SHEET
38	SKY RANCH AVE	R1-1	30" X 30"	5.18		1		
39	ROBERTS AVE	R1-1	30" X 30"	5.18		1		
40	CTH T, N. OF ROBERTS AVE	R2-1	24" X 30"	5.00		1		45 MPH
41	"	R2-1	24" X 30"	5.00		1		45 MPH
42	CTH T, S. OF BROOKS RD	W2-1	30" X 30"	6.25		1		
43	"	R2-1	24" X 30"	5.00		1		45 MPH
44	BROOKS RD	R1-1	30" X 30"	5.18		1		
44A	BROOKS RD	R5-2	24" X 24"	4.00				MOUNT ON OPPOSITE SIDE OF SIGN #45
45	"	R1-1	30" X 30"	5.18		1		
46	CTH T, N. OF BROOKS RD	R2-1	24" X 30"	5.00		1		55 MPH
47	"	W3-5	36" X 36"	9.00		1		45 MPH
48	"	W2-1	30" X 30"	6.25		1		
49	CTH T, S. OF CTH GG	W3-1	36" X 36"	9.00		1		
50	"	M1-5A	24" X 24"	4.00	1			CTH T, SEE PLAN SHEET
51	CTH T AT CTH GG	R1-1	30" X 30"	5.18	1			
51A	"	R1-3P	18" X 6"	0.75				MOUNT BELOW SIGN #51
52	"	R1-1	30" X 30"	5.18		1		
52A	"	R1-3P	18" X 6"	0.75				MOUNT BELOW SIGN #52
53	"	J13-2	48" X 45"	15.00		1		CTH GG, CTH T, SEE PLAN SHEET
54	CTH GG AT CTH T	J13-2	48" X 45"	15.00		1		CTH GG, CTH T, SEE PLAN SHEET
55	"	R1-1	30" X 30"	5.18	1			
55A	"	R1-3P	18" X 6"	0.75				MOUNT BELOW SIGN #55
56	CTH GG AT CTH T	R1-1	30" X 30"	5.18	1			
56A	"	R1-3P	18" X 6"	0.75				MOUNT BELOW SIGN #56
57	"	R1-1	30" X 30"	5.18		1		
57A	"	R1-3P	18" X 6"	0.75				MOUNT BELOW SIGN #57
58	"	R1-1	30" X 30"	5.18	1			
58A	"	R1-3P	18" X 6"	0.75				MOUNT BELOW SIGN #58
59	CTH T, N. OF CTH GG	R1-1	30" X 30"	5.18		1		
59A	"	R1-3P	18" X 6"	0.75				MOUNT BELOW SIGN #59
60	CTH GG AT CTH T	J13-2	48" X 45"	15.00		1		CTH GG, CTH T, SEE PLAN SHEET
61	CTH T, N. OF CTH GG	J13-2	48" X 45"	15.00		1		CTH GG, CTH T, SEE PLAN SHEET
62	CTH T, N. OF CTH GG	R1-1	30" X 30"	5.18	1			
62A	"	R1-3P	18" X 6"	0.75				MOUNT BELOW SIGN #62
63	"	M1-5A	24" X 24"	4.00		1		CTH T, SEE PLAN SHEET
	TOTALS			562.52	6	60	4	

3

3

REMOVING, TYPE II SIGNS AND REMOVING SMALL SIGN SUPPORTS

SIGN	LOCATION	SIGN CODE	638.2602 REMOVING SIGNS TYPE II EACH	638.3000 REMOVING SMALL SIGN SUPPORTS EACH	REMARKS
100	CTH T, S. OF CTH Y	W3-1	1	1	
101	"	W6-2	1	1	
102	"	M1-5A	1	1	
103	"	R2-1	1		
104	"	R1-1	1	1	REMOVE R1-3-4 ALSO
105	"	J13-2	3	1	
106	"	R1-1	1	1	
106A	CTH T & CTH Y INTERSECTION	R1-1	1	1	
107	CTH Y, W. OF CTH T	W3-1	1	1	
108	"	M1-5A	1	1	
109	"	R2-1	1		
110	"	R1-1	1	1	
111	"	J13-2	3	1	
112	"	R1-1	1	1	REMOVE R1-3-4 ALSO
112A	CTH T & CTH Y INTERSECTION	R1-1	1		
113	CTH Y, E. OF CTH T	R1-1	1	1	
114	"	R1-1	1	1	
115	"	J13-2	3	1	
116	"	M1-5A	1	1	
117	"	R2-1	1		
118	"	W3-1	1	1	
119	CTH T, N. OF CTH Y	J13-2	3	1	
120	"	R1-1	1	1	REMOVE R1-3-4 ALSO
121	"	R1-1	1	1	
122	"	M1-5A	1	1	
123	"	R2-1	1	1	
124	CTH T, S. OF RICHARDS AVE	W3-1	1	1	
124A	RICHARDS AVE, W. OF CTH T	R1-1	1	1	
125	CTH T, N. OF RICHARDS AVE	J1-1	2	1	
126	SKY RANCH RD	R1-1	1	1	
127	ROBERTS AVE	R1-1	1	1	
128	CTH T, N. OF ROBERTS AVE	R2-1	1	1	
129	"	R2-1	1	1	
130	CTH T, S. OF BROOKS RD	W2-1	1	1	
131	"	R2-1	1	1	
132	BROOKS RD	R1-1	1	1	
133	"	R1-1	1	1	
134	CTH T, N. OF BROOKS RD	R2-1	1	1	

3

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REMOVING, TYPE II SIGNS AND REMOVING SMALL SIGN SUPPORTS

SIGN	LOCATION	SIGN CODE	638.2602 REMOVING SIGNS TYPE II EACH	638.3000 REMOVING SMALL SIGN SUPPORTS EACH	REMARKS
135	CTH T, N. OF BROOKS RD	R2-5	1	1	
136	"	R2-1	1		
137	"	W2-1	1	1	
138	CTH T, S. OF CTH GG	W3-1	1	1	
139	"	M1-5A	1	1	
140	"	R1-1	1	1	REMOVE R1-3-4 ALSO
141	"	R1-1	1	1	REMOVE R1-3-4 ALSO
142	"	J13-2	3	1	
143	CTH T, N. OF CTH GG	J13-2	3	1	
144	"	R1-1	1	1	REMOVE R1-3-4 ALSO
145	"	R1-1	1	1	REMOVE R1-3-4 ALSO
146	"	M1-5A	1	1	
147	CTH GG, W. OF CTH T	J13-2	3	1	
148	"	R1-1	1	1	REMOVE R1-3-4 ALSO
149	"	R1-1	1	1	REMOVE R1-3-4 ALSO
150	CTH GG, E. OF CTH T	R1-1	1	1	REMOVE R1-3-4 ALSO
151	"	R1-1	1	1	REMOVE R1-3-4 ALSO
152	"	J13-2	3	1	
	TOTALS		73	51	

MOVING SIGNS TYPE II

SIGN NO.	LOCATION	638.2102 MOVING SIGNS TYPE II EACH	638.4000 MOVING SMALL SIGN SUPPORTS EACH	REMARKS
200	CTH T, N. OF BROOKS RD	1	1	MOVE SIGN FOR CONST.
201	"	1		MOVE WITH SIGN #200
202	CTH T, S. OF CTH GG	1	1	MOVE SIGN FOR CONST.
203	CTH GG, N. OF CTH T	1	1	"
	TOTALS	4	3	

PLANT DATA SUMMARY

LOCATION	COMMON NAME	SCIENTIFIC NAME	TYPE	AVERAGE MATURE HEIGHT	SIZE WHEN PLANTED	ROOT ZONE MODE	MINIMUM CONTAINER SIZE	MINIMUM HOLE SIZE	WRAPPING REQ'D	FERT. UNITS REQ'D	RODENT PROTECTION REQ'D	MULCH RING DIAMETER	632.0101 TREES EACH	632.0201 SHRUBS EACH	632.9101 LANDSCAPING PLANTING SURVEILLANCE AND CARE CYCLES EACH
CENTER ISLAND	CRAB, DONALD WYMAN	MALUS X "DONALD WYMAN"	3T	20'	1" CAL.	CG	#15	**	YES	3	YES	48"	3	-	
CENTER ISLAND	JUNIPER, MANEY	JUNIIPERUS CHINENSIS "MANEY"	2C	5'	15" SPD.	CG	#5	**	NO	1	NO	36"	-	15	
											TOTALS		3	15	15

** DIAMETER OF THE PLANTING HOLE SHALL BE 24-INCHES GREATER THAN THE DIAMETER OF THE CONTAINER. PLANTING HOLE DEPTH SHALL BE THE SAME AS THE DEPTH OF THE CONTAINER.

TRAFFIC CONTROL SUMMARY

LOCATION	APPROXIMATE SERVICE DAYS	643.0300 DRUMS NO. IN SERVICE	643.0300 DRUMS DAYS	643.0420 BARRICADES TYPE III NO. IN SERVICE	643.0420 BARRICADES TYPE III DAYS	643.0705 WARNING LIGHTS TYPE A NO. IN SERVICE	643.0705 WARNING LIGHTS TYPE A DAYS	643.0900 SIGNS NO. IN SERVICE	643.0900 SIGNS DAYS	REMARKS
CTH T / CTH S	140	-	0	2	280	2	280	3	420	BARRICADES AND SIGNS FOR MAINLINE CLOSURES - DETAIL A
CTH T / STEAMS DRIVE	140	-	0	2	280	4	560	5	700	BARRICADES AND SIGNS FOR MAINLINE CLOSURES - DETAIL C
CTH T (STATION 9+75)	140	-	0	5	700	6	840	1	140	BARRICADES AND SIGNS FOR MAINLINE CLOSURES - DETAIL D
CTH Y (STATION 200+25)	140	-	0	2	280	4	560	4	560	BARRICADES AND SIGNS FOR SIDEROAD CLOSURES - DETAIL 4
CTH Y (STATION 213+00)	140	-	0	2	0	4	0	4	0	BARRICADES AND SIGNS FOR SIDEROAD CLOSURES - DETAIL 4
BROOKS ROAD (STATION 495+90)	140	-	0	2	280	4	560	4	560	BARRICADES AND SIGNS FOR SIDEROAD CLOSURES - DETAIL 4
BROOKS ROAD (STATION 502+25)	140	-	0	2	280	4	560	4	560	BARRICADES AND SIGNS FOR SIDEROAD CLOSURES - DETAIL 4
CTH GG (STATION 597+00)	140	-	0	2	280	4	560	4	560	BARRICADES AND SIGNS FOR SIDEROAD CLOSURES - DETAIL 4
CTH GG (STATION 603+00)	140	-	0	2	280	4	560	4	560	BARRICADES AND SIGNS FOR SIDEROAD CLOSURES - DETAIL 4
CTH T (STATION 125+25)	140	-	0	5	700	5	700	1	140	BARRICADES AND SIGNS FOR MAINLINE CLOSURES - DETAIL D
CTH T / MAXWELL ROAD	140	-	0	2	280	4	560	7	980	BARRICADES AND SIGNS FOR MAINLINE CLOSURES - DETAIL B
UNDISTRIBUTED	140	15	2100	0	0	0	0	0	0	
TOTALS			2100		3640		5740		5180	

PAVEMENT MARKING

STATION	TO	STATION	LOCATION	DESCRIPTION	646.0106 EPOXY 4-INCH YELLOW LF	646.0106 EPOXY 4-INCH WHITE LF	646.0126 EPOXY 8-INCH WHITE LF	646.0156 EPOXY 18-INCH WHITE LF	647.0456 CURB EPOXY YELLOW LF	647.0566 STOP LINE EPOXY 18-INCH WHITE LF	647.0606 ISLAND NOSE EPOXY YELLOW EACH	647.0726 DIAGONAL EPOXY 12-INCH YELLOW LF
1+00	-	4+24	ROUNDABOUT		-	-	148	73	-	-	-	-
10+00	-	10+27	CENTERLINE CTH T	DOUBLE	54	-	-	-	-	-	-	-
10+27	-	12+85	CTH T	PAINTED MEDIAN	1032	-	-	-	10	-	1	85
10+27	-	12+00	NB CTH T, RT	EDGELINE	-	173	-	-	-	-	-	-
10+27	-	12+00	SB CTH T, LT	EDGELINE	-	173	-	-	-	-	-	-
12+85	-	16+02	NB CTH T, LT	EDGELINE	317	-	-	-	-	-	-	-
12+85	-	16+00	SB CTH T, RT	EDGELINE	301	-	14	-	-	-	-	-
17+36	-	19+82	NB CTH T, LT	EDGELINE	232	-	14	-	-	-	-	-
17+33	-	19+79	SB CTH T, RT	EDGELINE	246	-	-	-	-	-	-	-
19+79	-	22+06	CTH T	PAINTED MEDIAN	908	-	-	-	10	-	1	62
21+00	-	28+50	CTH T, RT	EDGELINE	-	750	-	-	-	-	-	-
22+06	-	23+67	CENTERLINE CTH T	DOUBLE	322	-	-	-	-	-	-	-
24+47	-	28+50	CENTERLINE CTH T	DOUBLE	806	-	-	-	-	-	-	-
24+47	-	34+41	CTH T, LT	EDGELINE	-	994	-	-	-	-	-	-
29+30	-	34+41	CENTERLINE CTH T	DOUBLE	1022	-	-	-	-	-	-	-
29+30	-	69+37	CTH T, RT	EDGELINE	-	4007	-	-	-	-	-	-
35+21	-	48+50	CENTERLINE CTH T	DOUBLE	2658	-	-	-	-	-	-	-
35+21	-	69+31	CTH T, LT	EDGELINE	-	3410	-	-	-	-	-	-
48+50	-	69+31	CENTERLINE CTH T	SKIPS	520	-	-	-	-	-	-	-
69+60	-	69+60	CTH T	STOP LINE	-	-	-	-	-	18	-	-
70+13	-	70+13	CTH T	STOP LINE	-	-	-	-	-	18	-	-
70+41	-	122+01	CTH T, RT	EDGELINE	-	5160	-	-	-	-	-	-
70+41	-	110+57	CENTERLINE CTH T	SKIPS	1004	-	-	-	-	-	-	-
70+41	-	122+22	CTH T, LT	EDGELINE	-	5181	-	-	-	-	-	-
110+57	-	122+01	CENTERLINE CTH T	SKIPS LT, SOLID RT	1679	-	-	-	-	-	-	-
122+55	-	122+55	CTH T	STOP LINE	-	-	-	-	-	18	-	-
123+10	-	123+10	CTH T	STOP LINE	-	-	-	-	-	18	-	-
123+38	-	125+00	CTH T, RT	EDGELINE	-	162	-	-	-	-	-	-
123+58	-	125+00	CTH T, LT	EDGELINE	-	142	-	-	-	-	-	-
123+58	-	125+00	CENTERLINE CTH T	SOLID LT, SKIPS LT	178	-	-	-	-	-	-	-
201+25	-	204+34	EB CTH Y, RT	EDGELINE	-	309	-	-	-	-	-	-
201+25	-	201+48	CENTERLINE CTH Y	DOUBLE	46	-	-	-	-	-	-	-
201+25	-	204+34	WB CTH Y, LT	EDGELINE	-	309	-	-	-	-	-	-
201+48	-	204+34	CTH Y	PAINTED MEDIAN	1144	-	-	-	10	-	1	88
204+34	-	207+18	WB CTH Y	EDGELINE	270	-	14	-	-	-	-	-

PAVEMENT MARKING (CONTINUED)

STATION	TO	STATION	LOCATION	DESCRIPTION	646.0106 EPOXY 4-INCH YELLOW LF	646.0106 EPOXY 4-INCH WHITE LF	646.0126 EPOXY 8-INCH WHITE LF	646.0156 EPOXY 18-INCH WHITE LF	647.0456 CURB EPOXY YELLOW LF	647.0566 STOP LINE EPOXY 18-INCH WHITE LF	647.0606 ISLAND NOSE EPOXY YELLOW EACH	647.0726 DIAGONAL EPOXY 12-INCH YELLOW LF
204+34	-	207+19	EB CTH Y	EDGELINE	285	-	-	-	-	-	-	-
208+53	-	210+51	WB CTH Y	EDGELINE	198	-	-	-	-	-	-	-
208+54	-	210+54	EB CTH Y	EDGELINE	186	-	14	-	-	-	-	-
210+51	-	212+63	CTH Y	PAINTED MEDIAN	848	-	-	-	10	-	1	63
210+53	-	213+00	WB CTH Y	EDGELINE	-	247	-	-	-	-	-	-
210+57	-	213+00	EB CTH Y	EDGELINE	-	243	-	-	-	-	-	-
212+66	-	213+00	CENTERLINE CTH Y	DOUBLE	68	-	-	-	-	-	-	-
412+00	-	418+56	SE QUADRANT EOP	EDGELINE	-	656	-	-	-	-	-	-
499+70	-	499+70	BROOKS ROAD	STOP LINE	-	-	-	-	-	30	-	-
500+30	-	500+30	BROOKS ROAD	STOP LINE	-	-	-	-	-	30	-	-
504+34	-	511+64	SW QUADRANT EOP	EDGELINE	-	730	-	-	-	-	-	-
597+25	-	599+82	CTH GG, LT & RT	EDGELINES	-	514	-	-	-	-	-	-
597+26	-	599+83	CENTERLINE CTH GG	SOLID RT, SKIPS LT	321	-	-	-	-	-	-	-
599+71	-	599+71	CTH GG	STOP LINE	-	-	-	-	-	30	-	-
600+18	-	602+90	CTH GG, LT & RT	EDGELINES	-	544	-	-	-	-	-	-
600+19	-	602+91	CENTERLINE CTH GG	DOUBLE	544	-	-	-	-	-	-	-
600+30	-	600+30	CTH GG	STOP LINE	-	-	-	-	-	30	-	-
		SUBTOTALS			15,189	23,704	204	73	40	192	4	298
		TOTALS			38,893		204	73	40	192	4	298

SAWING ASPHALT

STATION	LOCATION	690.0150 LF
10+00	CTH T	24
12+25	CTH T, LT	14
18+15	CTH T, LT	16
21+15	CTH T, LT	23
24+00	CTH T, RT	10
25+80	CTH T, RT	16
27+40	CTH T, RT	11
27+40	CTH T, LT	16
28+50	CTH T, LT	14
30+15	CTH T, LT	20
31+25	CTH T, LT	20
38+25	CTH T, LT	20
41+35	CTH T, RT	20
43+50	CTH T, LT	10
44+45	CTH T, LT	11
45+35	CTH T, LT	21
57+80	CTH T, RT	12
63+85	CTH T, LT	10
66+40	CTH T, LT	11
68+30	CTH T, RT	15
71+25	CTH T, RT	24
75+55	CTH T, RT	30
101+15	CTH T, LT	27
120+00	CTH T, LT	120
121+50	CTH T, LT	70
125+00	CTH T	21
201+25	CTH Y	22
202+00	CTH Y, RT	31
206+00	CTH Y, LT	11
206+50	CTH Y, LT	20
213+00	CTH Y	23
302+30	RICHARDS AVENUE	24
350+70	SKY RANCH AVENUE	20
359+30	ROBERTS AVENUE	23
496+00	BROOKS ROAD	22
497+00	BROOKS ROAD, LT	19
500+75	BROOKS ROAD, RT	17
502+20	BROOKS ROAD	22
597+25	CTH GG	24
598+50	CTH GG, RT	23
602+85	CTH GG	23
	TOTAL	930

DITCHING

STATION	TO	STATION	LOCATION	SPV.0090.04 LF
124+00	-	127+00	CTH T, RT	300
		TOTAL		300

RELOCATING MONUMENT

STATION	LOCATION	SPV.0105.05 LS
70+20	CTH T, LT	1
	TOTAL	1

LOCATING NO-PASSING ZONES

STATION	TO	STATION	LOCATION	648.0100 MI
10+00	-	124+00	CTH T	2.16
		TOTAL		2.16

SAWING CONCRETE

STATION	LOCATION	690.0250 LF
22+30	CTH T, LT	21
24+95	CTH T, LT	20
32+60	CTH T, LT	15
122+00	CTH T, LT	28
499+55	BROOKS ROAD, LT	16
	TOTAL	100

TRANSPORTATION PROJECT PLAT NO: 488-4.01

THAT PART OF THE NORTHEAST 1/4 OF THE NORTHEAST 1/4, SECTION 33 AND PART OF LOT 1, CSM 5517, VOLUME 1, PAGE 5517 LOCATED IN THE NORTHWEST 1/4 OF THE NORTHWEST 1/4, SECTION 34, ALL IN THE TOWNSHIP 19 NORTH, RANGE 16 EAST, LOCATED IN THE TOWN OF OSHKOSH, WINNEBAGO COUNTY, WISCONSIN

RELOCATION ORDER CTH T WINNEBAGO COUNTY

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

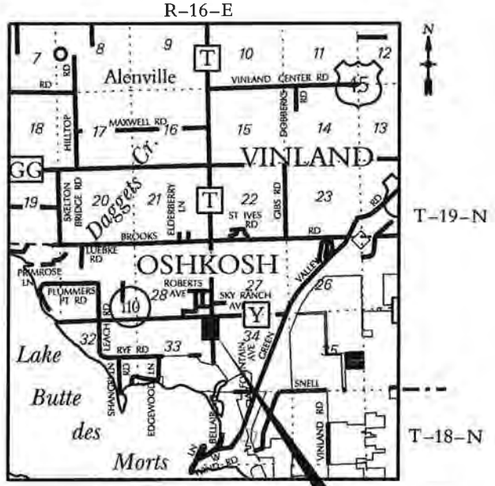
TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3) AND 84.09, WISCONSIN STATUTES, THE WINNEBAGO COUNTY HIGHWAY DEPARTMENT HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.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

SCHEDULE OF LANDS & INTERESTS REQUIRED

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

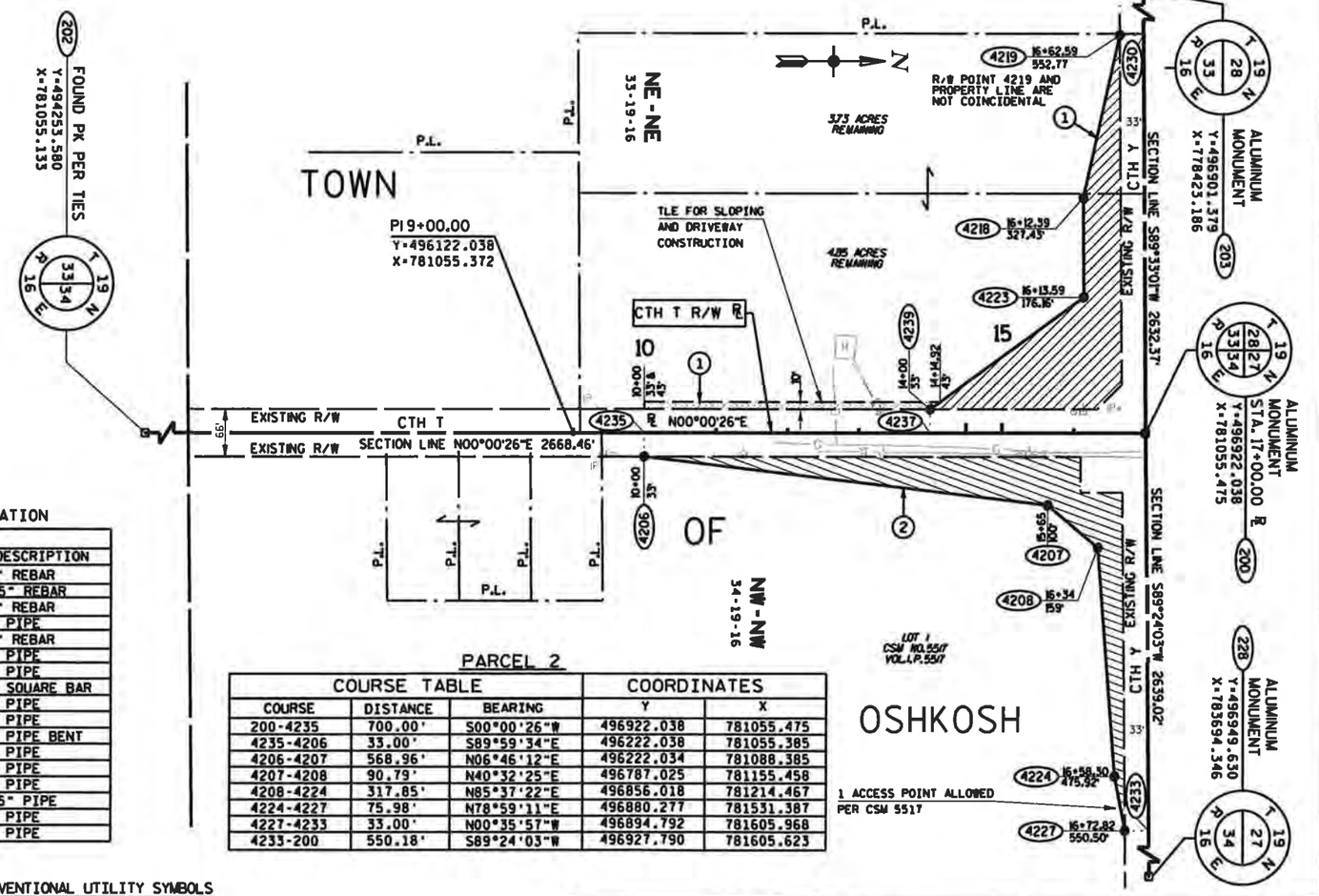
PARCEL NUMBER	OWNER (S)	INTEREST REQUIRED	R/W ACRES			TLE
			NEW	EXISTING	TOTAL	ACRES
1	THOMAS R. AND AMY M. RUEGSEGGER	FEE & TLE	0.83	0.52	1.35	0.09
2	GRUNDY ENTERPRISES	FEE	0.81	----	0.81	----

NE 1/4-NE 1/4, SEC. 33 AND NW 1/4-NW 1/4, SEC. 34
T19N, R16E, TOWN OF OSHKOSH



PARCEL 1

COURSE TABLE			COORDINATES	
COURSE	DISTANCE	BEARING	Y	X
200-4237	300.00'	S00°00'26"W	496922.038	781055.475
4237-4239	33.00'	N89°59'34"W	496622.038	781055.437
4239-4223	257.13'	N33°49'30"W	496622.042	781022.437
4223-4218	151.27'	S89°33'01"W	496835.653	780879.302
4218-4219	230.87'	N77°25'58"W	496834.466	780728.036
4219-4232	33.00'	N00°26'59"W	496884.699	780502.700
4232-200	553.05'	N89°33'01"E	496917.698	780502.441



PARCEL 2

COURSE TABLE			COORDINATES	
COURSE	DISTANCE	BEARING	Y	X
200-4235	700.00'	S00°00'26"W	496922.038	781055.475
4235-4206	33.00'	S89°59'34"E	496222.038	781055.385
4206-4207	568.96'	N06°46'12"E	496222.034	781088.385
4207-4208	90.79'	N40°32'25"E	496787.025	781155.458
4208-4224	317.85'	N85°37'22"E	496856.018	781214.467
4224-4227	75.98'	N78°59'11"E	496880.277	781531.387
4227-4233	33.00'	N00°35'57"W	496894.792	781605.968
4233-200	550.18'	S89°24'03"W	496927.790	781605.623

EXISTING MONUMENTATION

COORDINATES		
Y	X	DESCRIPTION
496131.802	781022.389	1/4" REBAR
496165.886	781087.677	0.5" REBAR
496955.418	781088.787	5/8" REBAR
496954.656	781027.206	1" PIPE
496959.002	781425.762	5/8" REBAR
496955.893	780905.688	1" PIPE
496950.627	780489.508	1" PIPE
496887.218	781022.541	1" SQUARE BAR
497374.415	781092.760	1" PIPE
497611.131	781092.765	2" PIPE
497637.560	781095.541	1" PIPE BENT
497776.037	781094.419	2" PIPE
497663.048	781029.746	2" PIPE
497661.243	780862.255	1" PIPE
497594.701	780752.083	0.5" PIPE
497594.547	780752.117	1" PIPE
497595.470	780862.074	2" PIPE

NOTES:

COORDINATES AND BEARINGS SHOWN ON THIS PLAT ARE REFERENCED TO THE WISCONSIN COUNTY COORDINATE SYSTEM, WINNEBAGO COUNTY ZONE, NAD83 (1997) ADJUSTMENT. THE COORDINATES SHOWN ARE GRID COORDINATES AND ARE TO BE USED AS GRID OR GROUND VALUES ON THIS PLAT.

RIGHT-OF-WAY MONUMENTS ARE TYPE 2 AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT (1"x24" IRON PIPE-MIN. WT. 1.13 LBS/LIN. FT. WITH PLASTIC CAP STAMPED "AYRES").

RIGHT-OF-WAY BOUNDARIES ARE DEFINED WITH COURSES OF THE PERIMETER OF THE HIGHWAY LANDS REFERENCED TO THE U.S. PUBLIC LAND SURVEY OR OTHER SURVEYS OF 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: EXISTING HIGHWAY RIGHT-OF-WAY FOR CTH T ESTABLISHED FROM EVIDENCE IN TOWN RECORDS, WISCONSIN STATE STATUTE 82.31, CERTIFIED SURVEY MAP NUMBER 5517, QUIT CLAIM DEED DOCUMENT NUMBER 660107, AND WARRANTY DEED DOCUMENT NUMBER 372736.
EXISTING HIGHWAY RIGHT-OF-WAY FOR CTH Y ESTABLISHED FROM WISCONSIN STATE STATUTE 82.31 AND CERTIFIED SURVEY MAP NUMBER 5517

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 ARE TO TERMINATE ON 1/01/2015 OR THE DATE THE CONSTRUCTION OF THE PROJECT IS COMPLETED, WHICHEVER OCCURS FIRST.

CONVENTIONAL ABBREVIATIONS

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

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/PIN (1" UNLESS NOTED)	PROPOSED R/W LINE
● ⊕(SET)	EXISTING H.E. LINE
▲ ⊕(SET)	PROPERTY LINE
	LOT & TIE LINES
ISIGN	SLOPE INTERCEPTS
●	CORPORATE LIMITS
	NO ACCESS (BY PREVIOUS ACQUISITION/CONTROL)
	NO ACCESS (BY ACQUISITION)
	NO ACCESS (BY STATUTORY AUTHORITY)
R/W MONUMENT	SECTION LINE
R/W STANDARD	QUARTER LINE
SIGN	SIXTEENTH LINE
SECTION CORNER MONUMENT	EXISTING CENTERLINE
SECTION CORNER SYMBOL	PROPOSED REFERENCE LINE
FEE (HATCH VARIES)	PARALLEL OFFSET
TEMPORARY LIMITED EASEMENT	
PERMANENT LIMITED EASEMENT	
R/W BOUNDARY POINT	
PARCEL NUMBER	
SIGN NUMBER (OFF PREMISE)	
BUILDING	

CONVENTIONAL UTILITY SYMBOLS

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

SCALE: FEET
0 100 200

AYRES ASSOCIATES

I, JASON M. INGRAM, 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 WINNEBAGO COUNTY, I HAVE SURVEYED TRANSPORTATION PROJECT PLAT 488 - 4.01 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

DATE

JASON M. INGRAM, RLS S-2630

THIS PLAT IS APPROVED FOR WINNEBAGO COUNTY.

DATE

COMMISSIONER

RESERVED FOR REGISTER OF DEEDS

ACCEPTED FOR RECORDING AND FILING IN THE OFFICE OF THE REGISTER OF DEEDS IN _____ COUNTY, WISCONSIN AT ..:.. .M ON _____ AS DOCUMENT *_____ AND FILED IN _____

SIGNATURE OF REGISTER OF DEEDS

FILE NAME : $$....designfile....$$
APPRAISAL PLAT DATE :
PLOT DATE : $$...plottingdate...$$ PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

TRANSPORTATION PROJECT PLAT NO: 488-4.02

THAT PART OF THE SOUTHEAST 1/4 OF THE SOUTHEAST 1/4, SECTION 28 AND THE SOUTHWEST 1/4 OF THE SOUTHWEST 1/4, SECTION 27, TOWNSHIP 19 NORTH, RANGE 16 EAST, LOCATED IN THE TOWN OF OSHKOSH, WINNEBAGO COUNTY, WISCONSIN

RELOCATION ORDER CTH T WINNEBAGO COUNTY

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

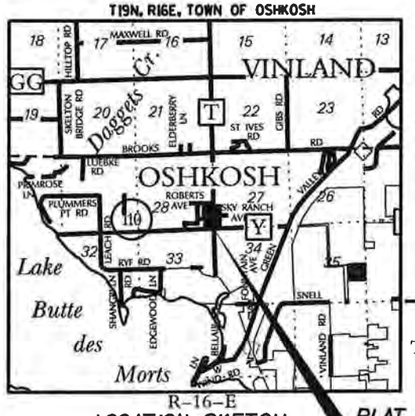
TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3) AND 84.09, WISCONSIN STATUTES, WINNEBAGO COUNTY HIGHWAY DEPARTMENT HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.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

SCHEDULE OF LANDS & INTERESTS REQUIRED

PARCEL NUMBER	OWNER (S)	INTEREST REQUIRED	R/W SQUARE FEET NEW	R/W SQUARE FEET EXISTING	R/W SQUARE FEET TOTAL	TLE SQ. FT.
4	ROBERT AND SHAWNA RUSSELL	FEE & TLE	1670	-----	1670	4580
5	STEVEN AND EPIFANIA GOTTESMAN	FEE	1410	-----	1410	----
6	ESTATE OF RONALD D. FURMAN, SR.	FEE & TLE	580	4420	5000	4600
7	ELROY H. III AND JILLIAN M. RAHMLOW	FEE & TLE	4630	11600	16230	1710
8	MARK S. HAZELWOOD, SR. & CAROL L. DAY	TLE	-----	-----	-----	1600
9	KERL G. AND ARLENE M. ERDMAN	TLE	-----	-----	-----	3000
10	THOMAS A. MAGUIRE	TLE	-----	-----	-----	3500
11	FRED W. AND LINDA D. HERNANDEZ	TLE	-----	-----	-----	3000
12	SHARON K. SIMON	TLE	-----	-----	-----	2000
13	ROBERT G. AND DANA J. MILLER	TLE	-----	-----	-----	3000
15	SAMUEL J. AND SHERRY L. TENBRINK	TLE	-----	-----	-----	2150
16	STEVEN G. AND DEBRA J. DODD	TLE	-----	-----	-----	3000
17	DEVIN S. AND KATHERINE A. STELZNER	TLE	-----	-----	-----	710
20	GREYDON M. AND JACQUELYN M. KUHN	TLE	-----	-----	-----	2650

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

SE 1/4-SE 1/4, SEC. 28 AND SW 1/4-SW 1/4, SEC. 27 T19N, R16E, TOWN OF OSHKOSH



T-19-N

T-18-N

R-16-E

LOCATION SKETCH (NOT TO SCALE)

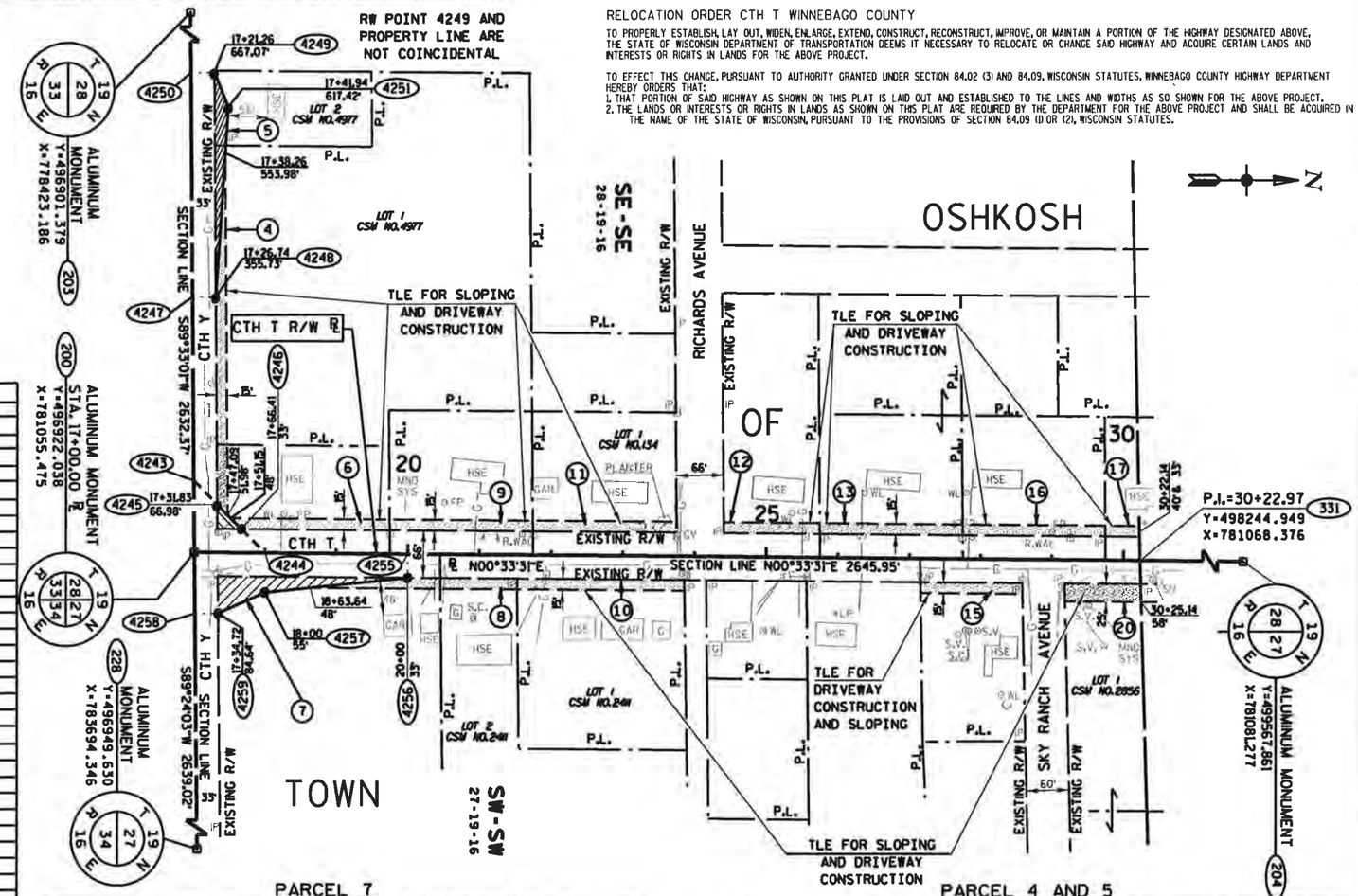
PLAT LOCATION

EXISTING MONUMENTATION

COORDINATES Y	X	DESCRIPTION
497374.415	781092.760	1" PIPE
497611.131	781092.765	2" PIPE
497637.560	781095.541	1" PIPE BENT
497776.037	781094.419	2" PIPE
497663.048	781029.746	2" PIPE
497661.243	780862.255	1" PIPE
497594.701	780752.083	0.5" PIPE
497594.547	780752.117	1" PIPE
497595.470	780862.074	2" PIPE
497941.685	781096.631	2" PIPE
497997.461	781031.020	1" PIPE
497796.621	781030.720	1" PIPE
498079.746	781097.632	2" PIPE
498082.870	781319.723	1" PIPE
498139.681	781100.301	0.75" REBAR
498266.864	781099.843	2" PIPE
498196.298	781034.913	1" PIPE
498554.340	781038.416	1" PIPE
498314.320	781034.333	0.25" PIN
498434.376	781037.333	1" PIPE
498900.607	781045.942	1" PIPE
498735.213	780918.913	1" PIPE
498736.423	780796.801	1" PIPE
498677.670	780645.627	2" PIPE
498676.853	780873.197	2" PIPE
498674.266	781039.548	2" PIPE
499390.064	781046.069	
500063.252	781046.527	1" PIPE
499898.053	781047.281	1" PIPE
499732.994	781047.379	1" PIPE
499645.038	781047.209	1" PIPE
499557.159	781046.984	1" PIPE

PARCEL 6

COURSE TABLE COURSE	DISTANCE	BEARING	COORDINATES Y	X
200-4244	100.00'	N00°33'31"E	496922.038	781055.475
4244-4243	142.66'	S45°03'16"W	497022.033	781056.45
4243-200	100.00'	N89°33'01"E	496921.253	780955.478



PARCEL 7

COURSE TABLE COURSE	DISTANCE	BEARING	COORDINATES Y	X
200-4255	300.00'	N00°33'31"E	496922.038	781055.475
4255-4256	33.00'	S89°26'29"E	497222.024	781058.400
4256-4257	201.21'	S05°43'07"E	497221.702	781091.399
4257-4259	71.69'	S23°51'27"E	497021.497	781111.448
4259-4258	33.00'	S00°35'57"E	496955.928	781140.445
4258-200	85.32'	S89°24'03"W	496922.930	781140.790

PARCEL 4 AND 5

COURSE TABLE COURSE	DISTANCE	BEARING	COORDINATES Y	X
200-4247	355.20'	S89°33'01"W	496922.038	781055.475
4247-4250	311.39'	S89°33'01"W	496919.250	780700.286
4250-4249	33.00'	N00°26'59"W	496916.807	780388.906
4249-4251	53.78'	N67°56'48"E	496949.806	780388.647
4251-4248	262.14'	S86°07'04"E	496969.997	780438.490
4248-4247	33.00'	S00°26'59"E	496952.249	780700.027

NOTES:

COORDINATES AND BEARINGS SHOWN ON THIS PLAT ARE REFERENCED TO THE WISCONSIN COUNTY COORDINATE SYSTEM, WINNEBAGO COUNTY ZONE, NAD83 (1997) ADJUSTMENT. THE COORDINATES SHOWN ARE GRID COORDINATES AND ARE TO BE USED AS GRID OR GROUND VALUES ON THIS PLAT.
RIGHT-OF-WAY MONUMENTS ARE TYPE 2 AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT (1"x24" IRON PIPE-MIN. WT. 1.13 LBS/LIN. FT. WITH A PLASTIC CAP STAMED "AYRES").
RIGHT-OF-WAY BOUNDARIES ARE DEFINED WITH COURSES OF THE PERIMETER OF THE HIGHWAY LANDS REFERENCED TO THE U.S. PUBLIC LAND SURVEY OR OTHER SURVEYS OF 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 BEUSED AS A SUBSTITUTE FOR AN ACCURATE FIELD SURVEY.
EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE:
EXISTING HIGHWAY RIGHT-OF-WAY FOR CTH T ESTABLISHED FROM EVIDENCE IN TOWN RECORDS, WISCONSIN STATE STATUTE 82.31.
EXISTING HIGHWAY RIGHT-OF-WAY FOR CTH Y ESTABLISHED FROM CERTIFIED SURVEY MAP NUMBER 5517 AND 4977 ALONG WITH WISCONSIN STATE STATUTE 82.31.
EXISTING RIGHT-OF-WAY FOR RICHARDS AVENUE WAS ESTABLISHED FROM SUNNYVIEW ACRES PLAT.
EXISTING RIGHT-OF-WAY FOR SKYRANCH AVENUE WAS ESTABLISHED FROM CERTIFIED SURVEY MAP NUMBER 4908 AND 2856.
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 ARE TO TERMINATE ON 1/01/2015 OR THE DATE THE CONSTRUCTION OF THE PROJECT IS COMPLETED, WHICHEVER OCCURS FIRST.

CONVENTIONAL ABBREVIATIONS

ACCESS POINT	AP	REFERENCE LINE	R/L
ACCESS RIGHTS	AR	REMAINING	REM.
ACRES	AC.	RIGHT-OF-WAY	R/W
AND OTHERS	ET.AL.	SECTION	SEC.
CENTERLINE	C/L	STATION	STA.
CERTIFIED SURVEY MAP	CSM	TEMPORARY LIMITED EASEMENT	TLE
CORNER	COR.	VOLUME	V.
CONVEYANCE OF RIGHTS	CR		
DOCUMENT	DOC.		
EASEMENT	EASE.	LONG CHORD	LCH
LAND CONTRACT	LC	LONG CHORD BEARING	LCB
MONUMENT	MON.	RADIUS	R
PAGE	P.	DEGREE OF CURVE	D
PERMANENT LIMITED EASEMENT	PLE	CENTRAL ANGLE OR DELTA	DELTA
PROPERTY LINE	PL	LENGTH OF CURVE	L
RECORDED AS	(100')	TANGENT	TAN

CURVE DATA

CONVENTIONAL SYMBOLS

FOUND IRON PIPE/PIN (LP IF UNLESS NOTED)
R/W MONUMENT ● (SET)
R/W STANDARD ▲ (SET)
SIGN
SECTION CORNER MONUMENT
SECTION CORNER SYMBOL
FEE (HATCH VARIES)
TEMPORARY LIMITED EASEMENT
PERMANENT LIMITED EASEMENT
R/W BOUNDARY POINT
PARCEL NUMBER
SIGN NUMBER (OFF PREMISE)
BUILDING

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

CONVENTIONAL UTILITY SYMBOLS

WATER —W—
GAS —G—
TELEPHONE —T—
OVERHEAD —OH—
TRANSMISSION LINES
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

SCALE, FEET
0 100 200

AYRES ASSOCIATES

I, JASON M. INGRAM, 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 WINNEBAGO COUNTY, I HAVE SURVEYED TRANSPORTATION PROJECT PLAT 488 - 4.02 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

DATE
JASON M. INGRAM, RLS S-2630

THIS PLAT IS APPROVED FOR WINNEBAGO COUNTY.

DATE
COMMISSIONER

RESERVED FOR REGISTER OF DEEDS

ACCEPTED FOR RECORDING AND FILING IN THE OFFICE OF THE REGISTER OF DEEDS IN _____ COUNTY, WISCONSIN AT ____ ..M ON _____ AS DOCUMENT #_____ AND FILED IN _____

SIGNATURE OF REGISTER OF DEEDS

FILE NAME : $$....designfile....$$
APPRAISAL PLAT DATE :
PLOT DATE : $$...plottingdate...$$ PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

TRANSPORTATION PROJECT PLAT NO: 488-4.03

THAT PART OF THE NORTHEAST 1/4 OF THE SOUTHEAST 1/4, SECTION 28 AND THE NORTHWEST 1/4 OF THE SOUTHWEST 1/4, SECTION 27, TOWNSHIP 19 NORTH, RANGE 16 EAST, LOCATED IN THE TOWN OF OSHKOSH, WINNEBAGO COUNTY, WISCONSIN

RELOCATION ORDER CTH T WINNEBAGO COUNTY

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

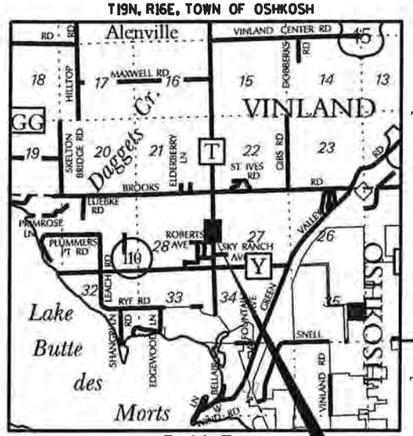
TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3) AND 84.09, WISCONSIN STATUTES, WINNEBAGO COUNTY HIGHWAY DEPARTMENT HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.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

SCHEDULE OF LANDS & INTERESTS REQUIRED

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

PARCEL NUMBER	OWNER (S)	INTEREST REQUIRED	TLE SQ. FT.
17	DEVIN S. & KATHERINE A. STELZNER	TLE	1060
18	LARRY E. & ELLEN J. NIEMUTH	TLE	1800
19	BARBARA J. GILL	TLE	1800
20	LOUIS J. & ETHEL L. REICHENBERGER	TLE	2820
21	LARRY D. & LINDA A. CARPENTER	TLE	1800
23	JASON J. & JEFFREY J. SCHMOKER	TLE	3330
24	GLENN S. & PEGGY BIRDSALL	TLE	8450
25	DENNIS J. & SANDRA J. FERGUSON	TLE	7190
26	RONALD M. & DONNA M. MISCHLER	TLE	2490
27	RANDALL T. & AMY J. DARABOSH	TLE	170

NE 1/4 -SE 1/4, SEC. 28 AND THE NW1/4 -SW 1/4, SEC. 27
T19N, R16E, TOWN OF OSHKOSH

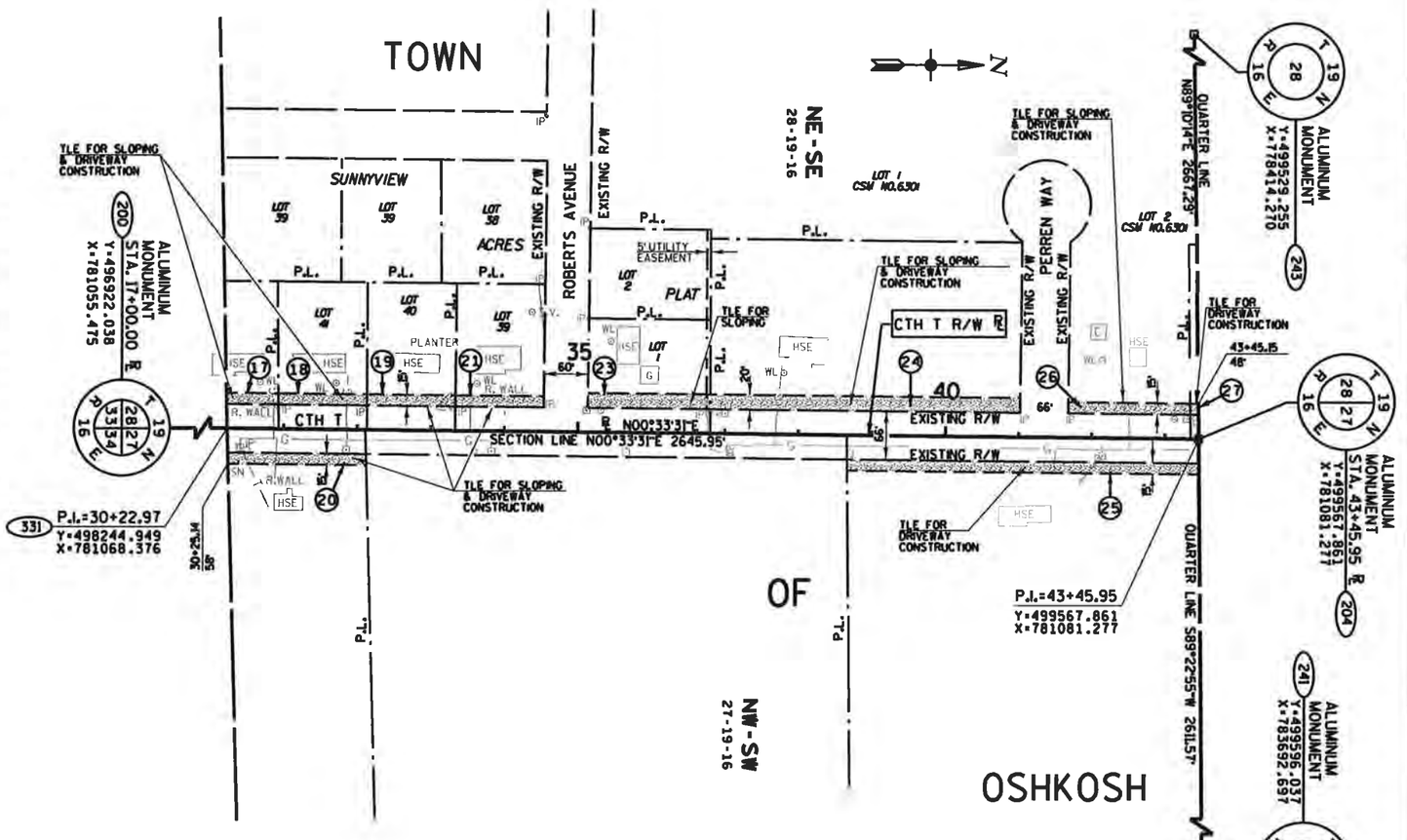


LOCATION SKETCH (NOT TO SCALE)

PLAT LOCATION

EXISTING MONUMENTATION COORDINATES

Y	X	DESCRIPTION
497997.461	781031.020	1" PIPE
498079.746	781097.632	2" PIPE
498082.870	781319.723	1" PIPE
498139.681	781100.301	.75" REBAR
498266.864	781099.843	2" PIPE
498196.298	781034.913	1" PIPE
498554.340	781038.416	1" PIPE
498314.320	781034.333	.25" PIN
498434.376	781037.333	1" PIPE
498900.607	781045.942	1" PIPE
498735.213	780918.913	1" PIPE
498736.423	780796.801	1" PIPE
498677.670	780645.627	2" PIPE
498676.853	780873.197	2" PIPE
498674.266	781039.548	2" PIPE
499390.064	781046.069	
500063.252	781046.527	1" PIPE
499898.053	781047.281	1" PIPE
499732.994	781047.379	1" PIPE
499645.038	781047.209	1" PIPE
499557.159	781046.984	1" PIPE
500838.104	781108.960	1" PIPE



NOTES:

COORDINATES AND BEARINGS SHOWN ON THIS PLAT ARE REFERENCED TO THE WISCONSIN COUNTY COORDINATE SYSTEM, WINNEBAGO COUNTY ZONE, NAD83 (1997) ADJUSTMENT. THE COORDINATES SHOWN ARE GRID COORDINATES AND ARE TO BE USED AS GRID OR GROUND VALUES ON THIS PLAT.

RIGHT-OF-WAY MONUMENTS ARE TYPE 2 AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT (1"x24" IRON PIPE-MIN. WT. 1.13 LBS/LIN. FT. WITH PLASTIC CAP STAMPED "AYRES").

RIGHT-OF-WAY BOUNDARIES ARE DEFINED WITH COURSES OF THE PERIMETER OF THE HIGHWAY LANDS REFERENCED TO THE U.S. PUBLIC LAND SURVEY OR OTHER SURVEYS OF 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: EXISTING HIGHWAY RIGHT-OF-WAY FOR CTH T ESTABLISHED FROM EVIDENCE IN TOWN RECORDS, SUNNYVIEW ACRES PLAT, AND CERTIFIED SURVEY MAP NUMBER 2856. EXISTING RIGHT-OF-WAY FOR ROBERTS AVENUE WAS ESTABLISHED FROM SUNNYVIEW ACRES PLAT. EXISTING RIGHT-OF-WAY FOR PERREN WAY WAS ESTABLISHED FROM CERTIFIED SURVEY MAP 6301.

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 ARE TO TERMINATE ON 1/01/2015 OR THE DATE THE CONSTRUCTION OF THE PROJECT IS COMPLETED, WHICHEVER OCCURS FIRST.

CONVENTIONAL ABBREVIATIONS

ACCESS POINT	AP	REFERENCE LINE	R/L
ACCESS RIGHTS	AR	REMAINING	REM.
ACRES	AC.	RIGHT-OF-WAY	R/W
AND OTHERS	ET.AL.	SECTION	SEC.
CENTERLINE	C/L	STATION	STA.
CERTIFIED SURVEY MAP	CSM	TEMPORARY LIMITED EASEMENT	TLE
CORNER	COR.	VOLUME	V.
CONVEYANCE OF RIGHTS	CR		
DOCUMENT	DOC.	**CURVE DATA**	
EASEMENT	EASE.	LONG CHORD	LCH
LAND CONTRACT	LC	LONG CHORD BEARING	LCB
MONUMENT	MON.	RADIUS	R
PAGE	P.	DEGREE OF CURVE	D
PERMANENT LIMITED EASEMENT	PLE	CENTRAL ANGLE OR DELTA	DELTA
PROPERTY LINE	PL	LENGTH OF CURVE	L
RECORDED AS	(100')	TANGENT	TAN
SQUARE FEET	SQ. FT.		

CONVENTIONAL SYMBOLS

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

CONVENTIONAL UTILITY SYMBOLS

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

SCALE: FEET
0 100 200

AYRES ASSOCIATES

I, JASON M. INGRAM, 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 WINNEBAGO COUNTY, I HAVE SURVEYED TRANSPORTATION PROJECT PLAT 488 - 4.03 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

DATE .....

JASON M. INGRAM, RLS S-2650

THIS PLAT IS APPROVED FOR WINNEBAGO COUNTY.

COMMISSIONER DATE .....

RESERVED FOR REGISTER OF DEEDS

ACCEPTED FOR RECORDING AND FILING IN THE OFFICE OF THE REGISTER OF DEEDS IN ..... COUNTY, WISCONSIN AT ...:... .M ON ..... AS DOCUMENT #..... AND FILED IN .....

SIGNATURE OF REGISTER OF DEEDS

FILE NAME : $$....designfile....$$
APPRAISAL PLAT DATE :

PLOT DATE : $$...plottingdate...$$ PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

TRANSPORTATION PROJECT PLAT NO: 488-4.04

THAT PART OF THE SOUTHEAST 1/4 OF THE NORTHEAST 1/4, SECTION 28 AND THE SOUTHWEST 1/4 OF THE NORTHWEST 1/4, SECTION 27, TOWNSHIP 19 NORTH, RANGE 16 EAST, LOCATED IN THE TOWN OF OSHKOSH, WINNEBAGO COUNTY, WISCONSIN

RELOCATION ORDER CTH T WINNEBAGO COUNTY

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

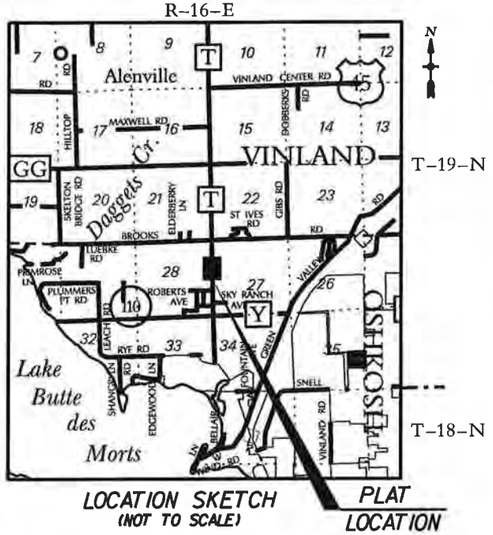
TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3) AND 84.09, WISCONSIN STATUTES, THE WINNEBAGO COUNTY HIGHWAY DEPARTMENT HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.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

SCHEDULE OF LANDS & INTERESTS REQUIRED

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

PARCEL NUMBER	OWNER (S)	INTEREST REQUIRED	R/W ACRES			TLE
			NEW	EXISTING	TOTAL	ACRES
27	RANDAL T. DARABOSH	TLE	----	----	----	0.03
28	CARLTON W. & GLADYS E. MARONN LIVING TRUST	FEE	0.21	----	0.21	----
29	KENNETH L. & ELEANORA R. ANGLE	TLE	----	----	----	0.03
30	JAMES A. POELLINGER	TLE	----	----	----	0.06
31	ELAINE PETERSON	TLE	----	----	----	0.06
32	FLORENCE E. DEVENS, LC VENDOR TODD S. DEVENS, LC PURCHASER	TLE & FEE	0.22	0.61	0.83	0.02
33	JUAN C. & CYNTHIA T. LOZANO	FEE	0.01	----	0.01	----

SE 1/4-NE 1/4, SEC. 28 AND SW 1/4-NW 1/4, SEC. 27
T19N, R16E, TOWN OF OSHKOSH



LOCATION SKETCH (NOT TO SCALE)

PLAT LOCATION

PARCEL 32

COURSE TABLE

COURSE	DISTANCE	BEARING
204-4029	512.05'	N 00°14'32" W
4029-338	809.85'	N 00°14'32" W
338-3019	45.00'	S 89°13'53" W
3019-3031	767.44'	S 00°14'32" E
3031-3032	43.68'	S 16°11'16" E
3032-4029	33.00'	N 89°45'28" E

COORDINATES

POINT NUMBER	Y	X
204	499567.861	781081.277
338	500889.751	781075.686
3019	500889.148	781030.688
3031	500121.717	781033.934
3032	500079.768	781046.111
4029	500079.908	781079.111

PARCELS 28 AND 33

COURSE TABLE

COURSE	DISTANCE	BEARING
204-3034	479.05'	N 00°14'32" W
3034-338	842.85'	N 00°14'32" W
338-3020	45.00'	N 89°28'44" E
3020-3030	768.07'	S 00°14'32" E
3030-3029	75.95'	S 08°50'53" W
3029-3034	33.00'	S 89°45'28" W

COORDINATES

POINT NUMBER	Y	X
204	499567.861	781081.277
3034	500046.908	781079.251
338	500889.751	781075.686
3020	500890.161	781120.684
3029	500047.047	781112.250
3030	500122.098	781123.933

NOTES:

COORDINATES AND BEARINGS SHOWN ON THIS PLAT ARE REFERENCED TO THE WISCONSIN COUNTY COORDINATE SYSTEM, WINNEBAGO COUNTY ZONE, NAD83 (1991) ADJUSTMENT. THE COORDINATES SHOWN ARE GRID COORDINATES AND ARE TO BE USED AS GRID OR GROUND VALUES ON THIS PLAT.

RIGHT-OF-WAY MONUMENTS ARE TYPE 2 AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT (1"x24" IRON PIPE-MIN. WT. 1.13 LBS/LIN. FT. WITH PLASTIC CAP STAMPED "AYRES").

RIGHT-OF-WAY BOUNDARIES ARE DEFINED WITH COURSES OF THE PERIMETER OF THE HIGHWAY LANDS REFERENCED TO THE U.S. PUBLIC LAND SURVEY OR OTHER SURVEYS OF 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: EXISTING HIGHWAY RIGHT-OF-WAY FOR CTH T ESTABLISHED FROM EVIDENCE IN TOWN RECORDS, WISCONSIN STATE STATUTE 82.31, AND CERTIFIED SURVEY MAP NUMBER 5608.

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 ARE TO TERMINATE ON 1/01/2015 OR THE DATE THE CONSTRUCTION OF THE PROJECT IS COMPLETED, WHICHEVER OCCURS FIRST.

CONVENTIONAL ABBREVIATIONS

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

CURVE DATA

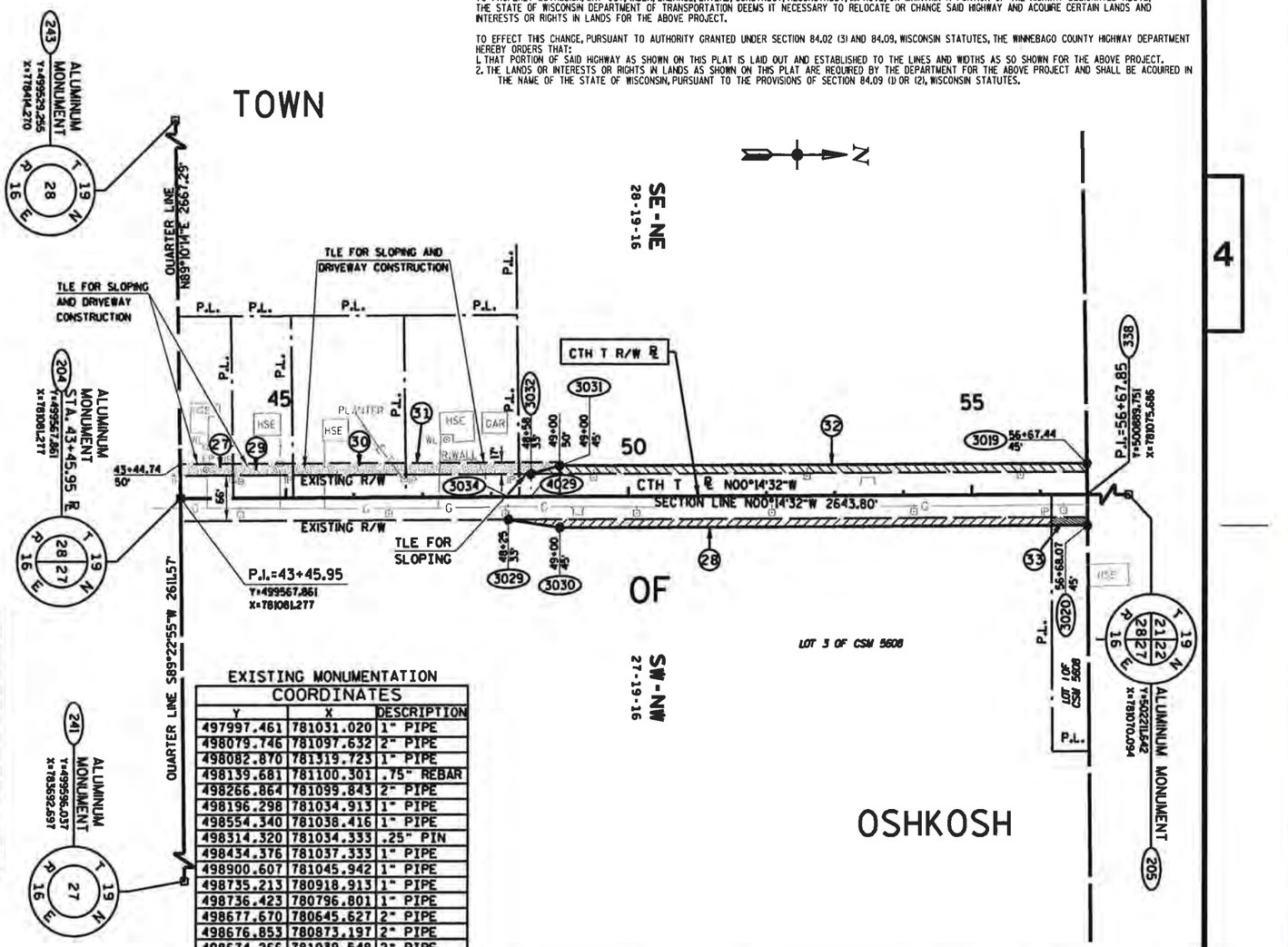
LONG CHORD	LCH
LONG CHORD BEARING	LCB
RADIUS	R
DEGREE OF CURVE	D
CENTRAL ANGLE OR DELTA	DELTA
LENGTH OF CURVE	L
TANGENT	TAN

CONVENTIONAL SYMBOLS

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

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		



EXISTING MONUMENTATION

COORDINATES

Y	X	DESCRIPTION
497997.461	781031.020	1" PIPE
498079.746	781097.632	2" PIPE
498082.870	781319.725	1" PIPE
498139.681	781100.301	.75" REBAR
498266.864	781099.843	2" PIPE
498196.298	781034.913	1" PIPE
498554.340	781038.416	1" PIPE
498314.320	781034.333	.25" PIN
498434.376	781037.333	1" PIPE
498900.607	781045.942	1" PIPE
498735.213	780918.913	1" PIPE
498736.423	780796.801	1" PIPE
498677.670	780645.627	2" PIPE
498676.853	780873.197	2" PIPE
498674.266	781039.548	2" PIPE
499390.064	781046.069	
500063.252	781046.527	1" PIPE
499898.053	781047.281	1" PIPE
499732.994	781047.379	1" PIPE
499645.038	781047.209	1" PIPE
499557.159	781046.984	1" PIPE
500838.104	781108.960	1" PIPE

SCALE, FEET
0 100 200

AYRES ASSOCIATES

I, JASON M. INGRAM, 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 WINNEBAGO COUNTY, I HAVE SURVEYED TRANSPORTATION PROJECT PLAT 488 - 4.04 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

DATE .....

JASON M. INGRAM, R.L.S S-2630

THIS PLAT IS APPROVED FOR WINNEBAGO COUNTY.

DATE .....

COMMISSIONER

RESERVED FOR REGISTER OF DEEDS

ACCEPTED FOR RECORDING AND FILING IN THE OFFICE OF THE REGISTER OF DEEDS IN ..... COUNTY, WISCONSIN AT ...:.. .M ON ..... AS DOCUMENT #..... AND FILED IN .....

SIGNATURE OF REGISTER OF DEEDS

FILE NAME : $$....designfile....$$
APPRAISAL PLAT DATE :

PLOT DATE : $$...plottingdate...$$ PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

TRANSPORTATION PROJECT PLAT NO: 488-4.05 AMENDMENT NO: 1

AMENDS PARCEL 32 AND 40 OF THE TRANSPORTATION PROJECT PLAT 488-4.05 RECORDED AS DOCUMENT NO: 1550477 AND FILED IN FILE 1 OF TPP, PAGE 134.

THAT PART OF THE NORTHEAST 1/4 OF THE NORTHEAST 1/4, SECTION 28 AND THE NORTHWEST 1/4 OF THE NORTHWEST 1/4, SECTION 27, TOWNSHIP 19 NORTH, RANGE 16 EAST, LOCATED IN THE TOWN OF OSHKOSH, WINNEBAGO COUNTY, WISCONSIN

RELOCATION ORDER CTH T WINNEBAGO COUNTY

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

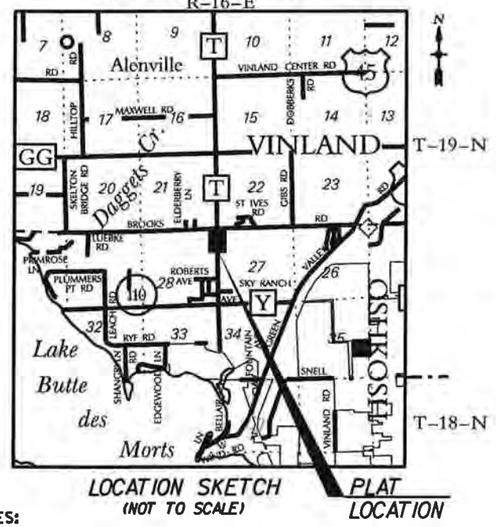
TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3) AND 84.09, WISCONSIN STATUTES, THE WINNEBAGO COUNTY HIGHWAY DEPARTMENT HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.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

SCHEDULE OF LANDS & INTERESTS REQUIRED

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

PARCEL NUMBER	OWNER (S)	INTEREST REQUIRED	R/W ACRES			TLE
			NEW	EXISTING	TOTAL	ACRES
28	CARLTON W. & GLADYS E. MARONN LIVING TRUST	FEE	0.13	-----	0.13	-----
32	FLORENCE E. DEVENS, LC VENDOR TODD S. DEVENS, LC PURCHASER	FEE & TLE	0.39	0.88	1.27	0.01
33	JUAN C. & CYNTHIA T. LOZANO	FEE	0.17	-----	0.17	-----
35	MARK E. & JUDITH M. LENZ	FEE & TLE	0.06	0.16	0.22	0.01
36	JON E. & DONNA M. MULLEN	TLE	-----	-----	-----	0.04

NE 1/4-NE 1/4, SEC. 28 AND NW1/4-NW 1/4, SEC. 27
T19N, R16E, TOWN OF OSHKOSH

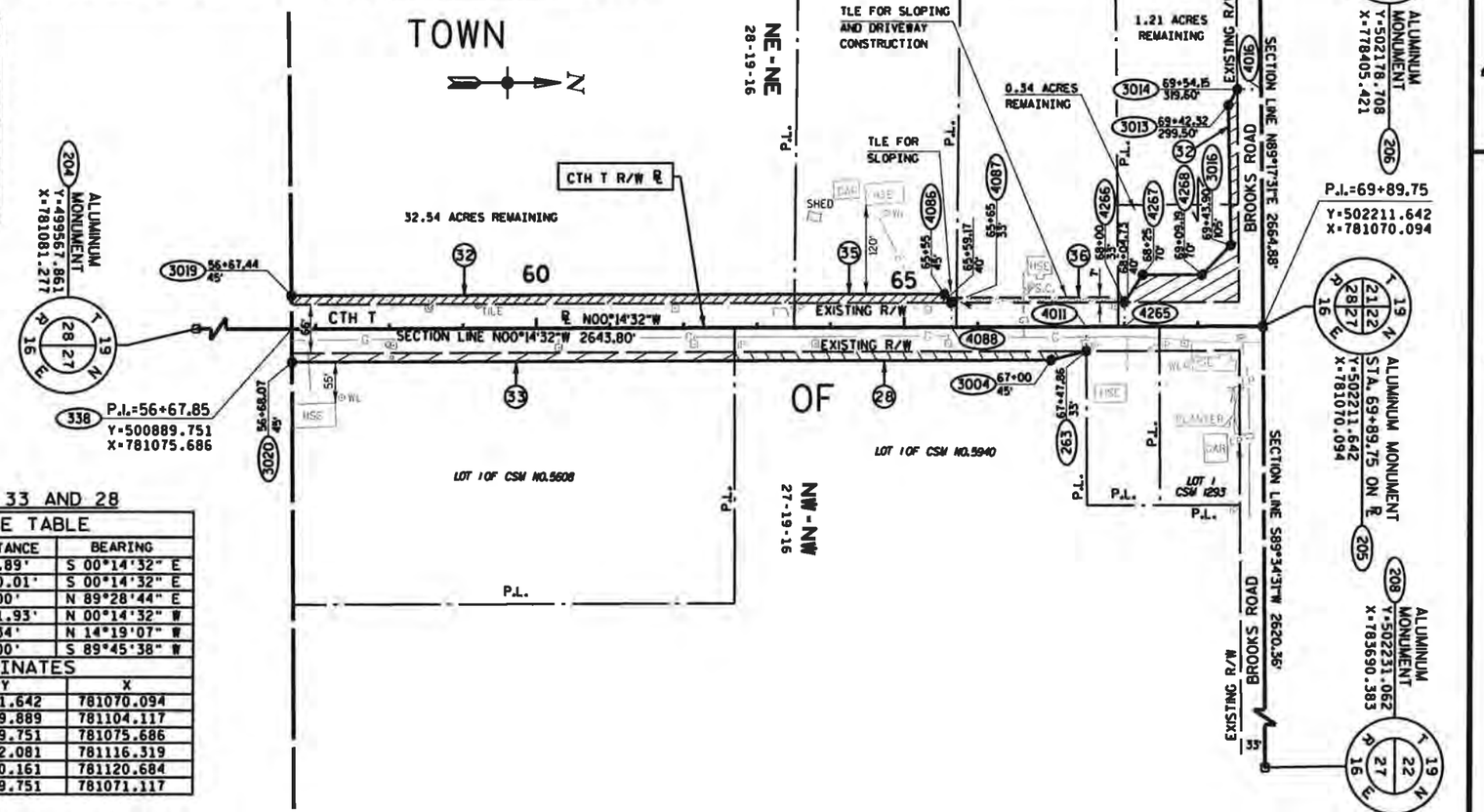


EXISTING MONUMENTATION

COORDINATES		
Y	X	DESCRIPTION
500838.104	781108.960	1" PIPE
501491.447	781106.074	1" PIPE
501569.745	781046.103	1" PIPE
501971.031	781102.467	1" PIPE
502070.018	781103.664	1" PIPE
502178.964	781103.287	1" PIPE
502180.495	781312.191	1" PIPE
502245.025	781518.974	1" PIPE
502843.018	781104.919	1" PIPE
503042.912	781105.690	1" PIPE

PARCELS 32, 35, AND 36

COURSE TABLE			COORDINATES	
COURSE	DISTANCE	BEARING	Y	X
205-4265	189.75'	S 00°14'32" E	502211.642	781070.094
4265-4088	235.00'	S 00°14'32" E	502021.890	781070.897
4088-338	897.15'	S 00°14'32" E	501786.892	781071.891
338-3019	45.00'	S 89°13'53" W	500889.751	781075.686
3019-4086	887.56'	N 00°14'32" W	500889.148	781030.688
4086-4087	15.62'	N 49°57'07" E	501776.702	781026.933
4087-4088	33.00'	N 89°45'28" E	501786.753	781038.891
4088-4265	235.00'	N 00°14'32" W	501786.892	781071.891
4265-4266	33.00'	S 89°45'28" W	502021.890	781070.897
4266-4267	44.65'	N 56°11'47" W	502021.751	781037.897
4267-4268	84.19'	N 00°14'32" W	502046.594	781000.792
4268-3016	49.29'	N 45°28'31" W	502130.780	781000.435
3016-3013	194.51'	S 89°17'31" W	502165.343	780965.294
3013-3014	23.32'	N 59°44'40" W	502162.939	780770.797
3014-4016	33.00'	N 00°42'26" W	502174.691	780750.650
4016-205	319.88'	N 89°17'31" E	502207.689	780750.243



PARCELS 33 AND 28

COURSE TABLE		
COURSE	DISTANCE	BEARING
205-4011	241.89'	S 00°14'32" E
4011-338	1080.01'	S 00°14'32" E
338-3020	45.00'	N 89°28'44" E
3020-3004	1031.93'	N 00°14'32" W
3004-263	49.34'	N 14°19'07" W
263-4011	33.00'	S 89°45'38" W

COORDINATES		
POINT NUMBER	Y	X
205	502211.642	781070.094
263	501969.889	781104.117
338	500889.751	781075.686
3004	501922.081	781116.319
3020	500890.161	781120.684
4011	501969.751	781071.117

NOTES:

COORDINATES AND BEARINGS SHOWN ON THIS PLAT ARE REFERENCED TO THE WISCONSIN COUNTY COORDINATE SYSTEM, WINNEBAGO COUNTY ZONE, NAD83 (1991) ADJUSTMENT. THE COORDINATES SHOWN ARE GRID COORDINATES AND ARE TO BE USED AS GRID OR GROUND VALUES ON THIS PLAT.

RIGHT-OF-WAY MONUMENTS ARE TYPE 2 AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT (1"x24" IRON PIPE-MIN. WT. 1.13 LBS/LIN. FT. WITH PLASTIC CAP STAMPED "AYRES").

RIGHT-OF-WAY BOUNDARIES ARE DEFINED WITH COURSES OF THE PERIMETER OF THE HIGHWAY LANDS REFERENCED TO THE U.S. PUBLIC LAND SURVEY OR OTHER SURVEYS OF 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: EXISTING HIGHWAY RIGHT-OF-WAY FOR CTH T ESTABLISHED FROM EVIDENCE IN TOWN RECORDS, AND CERTIFIED SURVEY MAP NUMBER 5940 AND 5608.

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 ARE TO TERMINATE ON 1/01/2015 OR THE DATE THE CONSTRUCTION OF THE PROJECT IS COMPLETED, WHICHEVER OCCURS FIRST.

CONVENTIONAL ABBREVIATIONS

ACCESS POINT	AP	REFERENCE LINE	R/L
ACCESS RIGHTS	AR	REMAINING	REM.
ACRES	AC.	RIGHT-OF-WAY	R/W
AND OTHERS	ET.AL.	SECTION	SEC.
CENTERLINE	C/L	STATION	STA.
CERTIFIED SURVEY MAP	CSM	TEMPORARY LIMITED EASEMENT	TLE
CORNER	COR.	VOLUME	V.
CONVEYANCE OF RIGHTS	CR		
DOCUMENT	DOC.		
EASEMENT	EASE.	LONG CHORD	LCH
LAND CONTRACT	LC	LONG CHORD BEARING	LCB
MONUMENT	MON.	RADIUS	R
PAGE	P.	DEGREE OF CURVE	D
PERMANENT LIMITED EASEMENT	PLE	CENTRAL ANGLE OR DELTA	DELTA
PROPERTY LINE	PL	LENGTH OF CURVE	L
RECORDED AS	(100')	TANGENT	TAN

CURVE DATA

FOUND IRON PIPE/PIN	Ø (1" UNLESS NOTED)
R/W MONUMENT	● (SET)
R/W STANDARD	▲ (SET)
SIGN	
SECTION CORNER MONUMENT	
SECTION CORNER SYMBOL	
FEE (HATCH VARIES)	
TEMPORARY LIMITED EASEMENT	
PERMANENT LIMITED EASEMENT	
R/W BOUNDARY POINT	
PARCEL NUMBER	
SIGN NUMBER (OFF PREMISE)	
BUILDING	

CONVENTIONAL SYMBOLS

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

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		

SCALE, FEET
0 100 200

AYRES ASSOCIATES

I, JASON M. INGRAM, 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 WINNEBAGO COUNTY, I HAVE SURVEYED TRANSPORTATION PROJECT PLAT 488 - 4.05 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

DATE

JASON M. INGRAM, RLS S-2630

THIS PLAT IS APPROVED FOR WINNEBAGO COUNTY.

DATE

COMMISSIONER

RESERVED FOR REGISTER OF DEEDS PROJECT NUMBER 488 - 4.05 AMENDMENT NO: 1

ACCEPTED FOR RECORDING AND FILING IN THE OFFICE OF THE REGISTER OF DEEDS IN _____ COUNTY, WISCONSIN AT ___:___ .M ON _____ AS DOCUMENT _____ AND FILED IN _____

SIGNATURE OF REGISTER OF DEEDS

FILE NAME : $$....designfile....$$
APPRAISAL PLAT DATE :
PLOT DATE : $$...plottingdate...$$ PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

TRANSPORTATION PROJECT PLAT NO: 488 - 4.06 AMENDMENT NO: 1

AMENDS PARCEL 32 AND 100 OF THE TRANSPORTATION PROJECT PLAT 488-4.06 RECORDED AS DOCUMENT NO: 1547294 AND FILED IN FILE 1 OF TPP, PAGE 118.

THAT PART OF THE SOUTHEAST 1/4 OF THE SOUTHEAST 1/4, SECTION 21 AND THE SOUTHWEST 1/4 OF THE SOUTHWEST 1/4, SECTION 22, TOWNSHIP 19 NORTH, RANGE 16 EAST, LOCATED IN THE TOWN OF VINLAND, WINNEBAGO COUNTY, WISCONSIN

RELOCATION ORDER CTH T WINNEBAGO COUNTY

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

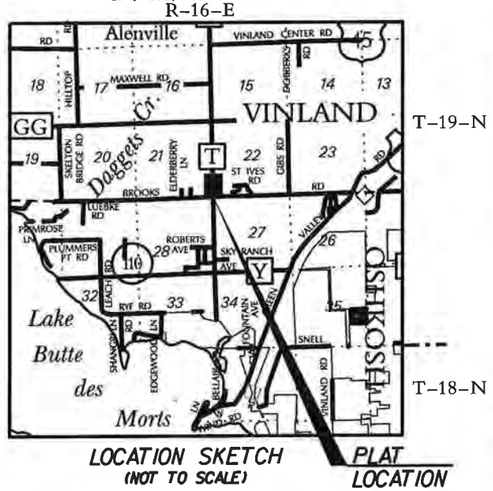
TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3) AND 84.09, WISCONSIN STATUTES, THE WINNEBAGO COUNTY HIGHWAY DEPARTMENT HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.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

SCHEDULE OF LANDS & INTERESTS REQUIRED

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

PARCEL NUMBER	OWNER (S)	INTEREST REQUIRED	R/W ACRES			TLE
			NEW	EXISTING	TOTAL	ACRES
32	FLORENCE E. DEVENS, LC VENDOR TODD S. DEVENS, LC PURCHASER	FEE & TLE	0.15	0.57	0.72	0.01
42	THOMAS J. WILLIAMS & MARY BETH WILLIAMS	FEE & TLE	0.02	.04	.06	0.03
43	DANIEL REISER	FEE	0.08	-----	-----	-----
44	BARBARA BEISER	FEE	0.25	0.48	0.73	-----
45	PAUL D. MATSCHE	FEE	0.08	-----	-----	-----
46	WILLIAM J. & DORIS L. WOLFGRAM	FEE	0.08	-----	-----	-----
47	RALPH W. & MARGARET MELTZ	FEE	0.19	-----	-----	-----
101	WISCONSIN PUBLIC SERVICE CORP.	RELEASE	-----	-----	-----	-----
105	AT&T WISCONSIN	RELEASE	-----	-----	-----	-----

SE 1/4-SE 1/4, SEC. 21 AND SW1/4-SW 1/4, SEC. 22
T19N, R16E, TOWN OF VINLAND



NOTES:

COORDINATES AND BEARINGS SHOWN ON THIS PLAT ARE REFERENCED TO THE WISCONSIN COUNTY COORDINATE SYSTEM, WINNEBAGO COUNTY ZONE, NAD83 (1991) ADJUSTMENT. THE COORDINATES SHOWN ARE GRID COORDINATES AND ARE TO BE USED AS GRID OR GROUND VALUES ON THIS PLAT.

RIGHT-OF-WAY MONUMENTS ARE TYPE 2 AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT (1"x24" IRON PIPE-MIN. WT. 1.13 LBS/LIN. FT. WITH PLASTIC CAP STAMPED "AYRES").

RIGHT-OF-WAY BOUNDARIES ARE DEFINED WITH COURSES OF THE PERIMETER OF THE HIGHWAY LANDS REFERENCED TO THE U.S. PUBLIC LAND SURVEY OR OTHER SURVEYS OF 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: EXISTING HIGHWAY RIGHT-OF-WAY FOR CTH T ESTABLISHED FROM EVIDENCE IN TOWN RECORDS, WISCONSIN STATE STATUTE 82.31, CERTIFIED SURVEY MAP NUMBER 4480 & 4472, WARRANTY DEED DOCUMENT NUMBER 1121377, AND HIGHWAY DEEDS FOUND AT THE REGISTER OF DEEDS IN VOLUME 409, EASEMENTS AND HIGHWAY DEEDS, PAGES 379, 386.

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 ARE TO TERMINATE ON 1/01/2015 OR THE DATE THE CONSTRUCTION OF THE PROJECT IS COMPLETED, WHICHEVER OCCURS FIRST.

PARCELS 42, 43, 45, 46, 47

COURSE TABLE		
COURSE	DISTANCE	BEARING
205-371	1323.33'	N 00°10'58" E
371-2072	50.69'	N 89°28'07" E
2072-2064	13.73'	S 03°02'43" W
2064-2065	1050.00'	S 00°10'58" W
2065-2066	101.43'	S 09°49'51" W
2066-2081	92.90'	S 00°10'58" W
2081-2082	47.82'	S 45°07'15" E
2082-2079	46.42'	S 45°07'15" E
2079-205	100.00'	S 89°34'31" W

PARCELS 42, 43, 45, 46, 47

COORDINATES		
POINT NUMBER	Y	X
205	502211.642	781070.094
371	503534.962	781074.319
2064	503521.722	781124.276
2065	502471.728	781120.925
2066	502371.782	781103.605
2072	503535.432	781125.006
2079	502212.383	781170.091
2081	502278.884	781103.309
2082	502245.140	781137.196

PARCELS 32 AND 44

COURSE TABLE		
COURSE	DISTANCE	BEARING
205-371	1323.33'	N 00°10'58" E
371-2071	49.40'	S 89°07'21" W
2071-2035	12.18'	S 03°02'43" W
2035-2036	950.00'	S 00°10'58" W
2036-2037	86.68'	S 11°07'37" E
2037-4271	221.39'	S 00°10'58" W
4271-2090	40.43'	S 57°23'39" W
2090-4275	62.45'	S 57°23'39" W
4275-205	119.50'	N 89°17'31" E

PARCELS 32 AND 44

COORDINATES		
POINT NUMBER	Y	X
205	502211.642	781070.094
371	503534.962	781074.319
2035	503522.041	781024.277
2036	502572.046	781021.244
2037	502486.992	781037.973
2071	503534.205	781024.924
4275	502210.165	780950.599
2090	502243.818	781003.208
4271	502265.604	781037.266

ALUMINUM MONUMENT
Y=502178.708
X=778405.421

ALUMINUM MONUMENT
Y=502231.062
X=783690.383

ALUMINUM MONUMENT
STA.96+36.40 LOT
Y=504858.282
X=781078.543

P.I.=69+89.75
Y=502211.642
X=781070.094

P.I.=83+13.08
Y=503534.962
X=781074.319

SECTION LINE N89°17'31"E 2654.88'

SECTION LINE S89°54'31"W 2620.36'

SECTION LINE N00°10'58"E 2646.65'

BROOKS ROAD

EXISTING R/W

CTH T R/W

CTH T

TLE FOR SLOPING BURIED GAS LINE

BURIED TELEPHONE CABLE

TELEPHONE PEDISTAL

TWO TELEPHONE PEDISTALS

GUY CABLE & ANCHOR

BURIED TELEPHONE CABLE WISCON PUBLIC SERVICE EASEMENT DOC. # 1214422

TLE FOR SLOPING

LOT 1 CSM NO.4472

LOT 2 CSM NO.4472

LOT 3 CSM NO.4472

LOT 4 CSM NO.4472

LOT 5 OF CSM NO.4480

SE-SE 21-19-16

SW-SW 22-19-16

TOWN OF VINLAND

EXISTING MONUMENTATION

COORDINATES		
Y	X	DESCRIPTION
500838.104	781108.960	1" PIPE
501491.447	781106.074	1" PIPE
501569.745	781046.103	1" PIPE
501971.031	781102.467	1" PIPE
502070.018	781103.664	1" PIPE
502178.964	781103.287	1" PIPE
502180.495	781312.191	1" PIPE
502245.025	781518.974	1" PIPE
502843.018	781104.919	1" PIPE
503042.912	781105.690	1" PIPE

CONVENTIONAL ABBREVIATIONS

ACCESS POINT	AP	REFERENCE LINE	R/L
ACCESS RIGHTS	AR	REMAINING	REM.
ACRES	AC.	RIGHT-OF-WAY	R/W
AND OTHERS	ET.AL.	SECTION	SEC.
CENTERLINE	C/L	STATION	STA.
CERTIFIED SURVEY MAP	CSM	TEMPORARY LIMITED EASEMENT	TLE
CORNER	COR.	VOLUME	V.
CONVEYANCE OF RIGHTS	CR		
DOCUMENT	DOC.		
EASEMENT	EASE.	LONG CHORD	LCH
LAND CONTRACT	LC	LONG CHORD BEARING	LCB
MONUMENT	MON.	RADIUS	R
PAGE	P.	DEGREE OF CURVE	D
PERMANENT LIMITED EASEMENT	PLE	CENTRAL ANGLE OR DELTA	DELTA
PROPERTY LINE	PL	LENGTH OF CURVE	L
RECORDED AS	(100')	TANGENT	TAN

CURVE DATA

CONVENTIONAL SYMBOLS

- FOUND IRON PIPE/PIN (1" UNLESS NOTED)
- ● (SET)
- ▲ (SET)
- ISIGN
- R/W MONUMENT
- R/W STANDARD
- SIGN
- SECTION CORNER MONUMENT
- SECTION CORNER SYMBOL
- FEE (HATCH VARIES)
- TEMPORARY LIMITED EASEMENT
- PERMANENT LIMITED EASEMENT
- R/W BOUNDARY POINT
- PARCEL NUMBER
- SIGN NUMBER (OFF PREMISE)
- BUILDING
- PROPOSED R/W LINE
- EXISTING H.E. LINE
- PROPERTY LINE
- LOT & TIE LINES
- SLOPE INTERCEPTS
- CORPORATE LIMITS
- NO ACCESS (BY PREVIOUS ACQUISITION/CONTROL)
- NO ACCESS (BY ACQUISITION)
- NO ACCESS (BY STATUTORY AUTHORITY)
- SECTION LINE
- QUARTER LINE
- SIXTEENTH LINE
- EXISTING CENTERLINE
- PROPOSED REFERENCE LINE
- PARALLEL OFFSET

CONVENTIONAL UTILITY SYMBOLS

	NON COMPENSABLE	COMPENSABLE
WATER	—W—	
GAS	—G—	
TELEPHONE	—T—	
OVERHEAD	—OH—	
TRANSMISSION LINES		
ELECTRIC	—E—	
CABLE TELEVISION	—TV—	
FIBER OPTIC	—FO—	
SANITARY SEWER	—SAN—	
STORM SEWER	—S—	
POWER POLE	●	●
TELEPHONE POLE	●	●
TELEPHONE PEDESTAL	✕	✕
ELECTRIC TOWER	⊠	

SCALE, FEET
0 100 200

AYRES ASSOCIATES

I, RYAN M. BELTRAND, 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 WINNEBAGO COUNTY, I HAVE SURVEYED TRANSPORTATION PROJECT PLAT 488 - 4.06 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

DATE

RYAN M. BELTRAND, PLS S-2825

THIS PLAT IS APPROVED FOR WINNEBAGO COUNTY.

DATE

COMMISSIONER

RESERVED FOR REGISTER OF DEEDS PROJECT NUMBER 488 - 4.06 AMENDMENT NO: 1

ACCEPTED FOR RECORDING AND FILING IN THE OFFICE OF THE REGISTER OF DEEDS IN _____ COUNTY, WISCONSIN AT __:__ M ON _____ AS DOCUMENT *_____ AND FILED IN _____

SIGNATURE OF REGISTER OF DEEDS

FILE NAME : $$....designfile....,$$
APPRAISAL PLAT DATE :
PLOT DATE : $$...plottingdate...$$ PLOT BY : $$...plotuser...$$ PLOT NAME :
PLOT SCALE : $$.....plotscale.....$$

TRANSPORTATION PROJECT PLAT NO: 488-4.07 AMENDMENT NO: 1

AMENDS PARCEL 100 OF THE TRANSPORTATION PROJECT PLAT 488-4.07
RECORDED AS DOCUMENT NO: 1547295 AND FILED IN FILE 1 OF TPP, PAGE 119.

THAT PART OF THE NORTHEAST 1/4 OF THE SOUTHEAST 1/4, SECTION 21 AND THE NORTHWEST 1/4 OF THE SOUTHWEST 1/4, SECTION 22, TOWNSHIP 19 NORTH, RANGE 16 EAST, LOCATED IN THE TOWN OF VINLAND, WINNEBAGO COUNTY, WISCONSIN

RELOCATION ORDER CTH T WINNEBAGO COUNTY

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

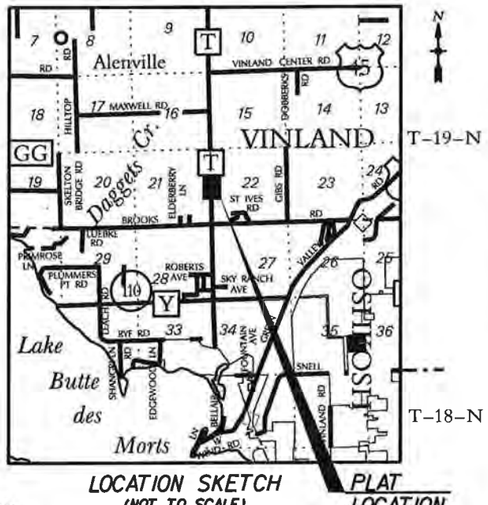
TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3) AND 84.09, WISCONSIN STATUTES, THE WINNEBAGO COUNTY HIGHWAY DEPARTMENT HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.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

SCHEDULE OF LANDS & INTERESTS REQUIRED

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

PARCEL NUMBER	OWNER (S)	INTEREST REQUIRED	R/W ACRES			TLE
			NEW	EXISTING	TOTAL	ACRES
32	FLORENCE E. DEVENS, LC VENDOR TODD S. DEVENS, LC PURCHASER	FEE	0.09	0.23	0.32	-----
47	RALPH W. AND MARGARET MELTZ	FEE & TLE	0.83	1.75	2.58	0.04
53	WILDE FARMS, INC.	FEE	0.02	0.03	0.05	-----
105	AT&T WISCONSIN	RELEASE	-----	-----	-----	-----

NE 1/4-SE 1/4, SEC. 21 AND NW1/4-SW 1/4, SEC. 22
T19N, R16E, TOWN OF VINLAND



LOCATION SKETCH (NOT TO SCALE)

PLAT LOCATION

PARCELS 32, 47, AND 53, SECTION 21

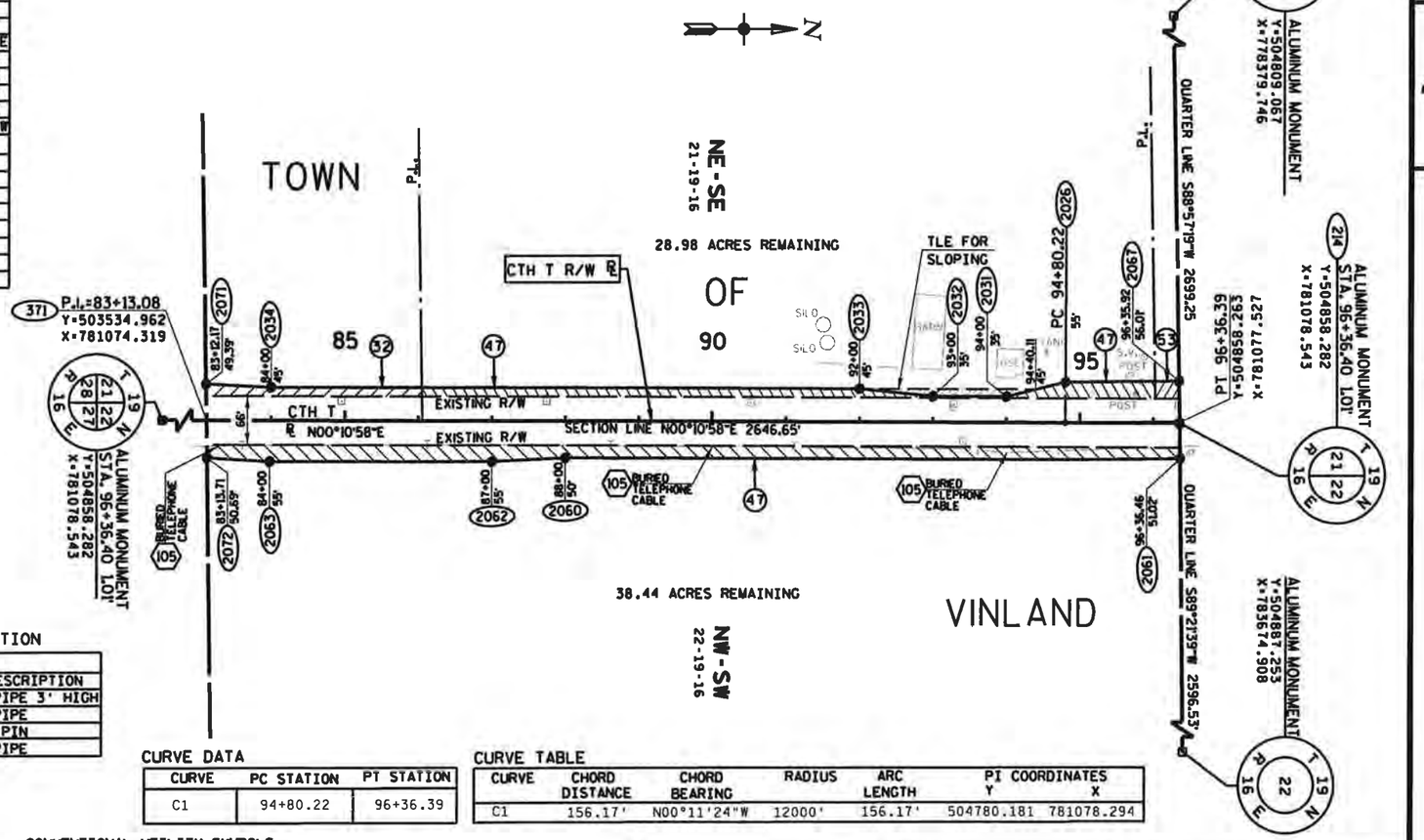
COURSE TABLE		
COURSE	DISTANCE	BEARING
214-2067	57.03'	S 88°57'19" W
2067-2026	154.98'	S 00°33'46" E
2026-2031	82.68'	S 13°48'59" E
2031-2032	100.00'	S 00°10'58" W
2032-2033	100.50'	S 05°53'37" W
2033-2034	800.00'	S 00°10'58" W
2034-2071	87.94'	S 03°02'43" W
2071-371	49.40'	N 89°07'21" E
371-214	1323.33'	N 00°10'58" E

COORDINATES		
POINT NUMBER	Y	X
214	504858.282	781078.543
371	503534.962	781074.319
2026	504702.271	781023.045
2031	504621.988	781042.788
2032	504521.989	781042.469
2033	504422.021	781032.150
2034	503622.025	781029.596
2067	504857.242	781021.522
2071	503534.205	781024.924

PARCEL 47, SECTION 22

COURSE TABLE		
COURSE	DISTANCE	BEARING
214-371	1323.33'	S 0°10'58" W
371-2072	50.69'	N 89°28'07" E
2072-2063	86.40'	N 3°02'43" E
2063-2062	300.00'	N 0°10'58" E
2062-2060	100.12'	N 2°40'46" W
2060-2061	837.12'	N 0°10'58" E
2061-214	50.01'	S 89°21'39" W

COORDINATES		
POINT NUMBER	Y	X
214	504858.282	781078.543
371	503534.962	781074.319
2060	504021.720	781125.873
2061	504858.840	781128.545
2062	503921.704	781130.553
2063	503621.706	781129.596
2072	503535.432	781125.006



EXISTING MONUMENTATION

COORDINATES		
Y	X	DESCRIPTION
504798.449	781038.848	1" PIPE 3' HIGH
504858.597	781111.500	1" PIPE
505151.998	781103.499	.5" PIN
505467.075	781097.502	1" PIPE

CURVE DATA

CURVE	PC STATION	PT STATION
C1	94+80.22	96+36.39

CURVE TABLE

CURVE	CHORD DISTANCE	CHORD BEARING	RADIUS	ARC LENGTH	PI COORDINATES Y	PI COORDINATES X
C1	156.17'	N00°11'24"W	12000'	156.17'	504780.181	781078.294

NOTES:

COORDINATES AND BEARINGS SHOWN ON THIS PLAT ARE REFERENCED TO THE WISCONSIN COUNTY COORDINATE SYSTEM, WINNEBAGO COUNTY ZONE, NAD83 (1991) ADJUSTMENT. THE COORDINATES SHOWN ARE GRID COORDINATES AND ARE TO BE USED AS GRID OR GROUND VALUES ON THIS PLAT.

RIGHT-OF-WAY MONUMENTS ARE TYPE 2 AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT (1"x24" IRON PIPE-MIN. WT. 1.13 LBS/LIN. FT. WITH PLASTIC CAP STAMPED "AYRES").

RIGHT-OF-WAY BOUNDARIES ARE DEFINED WITH COURSES OF THE PERIMETER OF THE HIGHWAY LANDS REFERENCED TO THE U.S. PUBLIC LAND SURVEY OR OTHER SURVEYS OF 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: EXISTING HIGHWAY RIGHT-OF-WAY FOR CTH T ESTABLISHED FROM EVIDENCE IN TOWN RECORDS, WISCONSIN STATE STATUTE 82.31, AND HIGHWAY DEEDS FOUND AT THE REGISTER OF DEEDS IN VOLUME 409, EASEMENTS AND HIGHWAY DEEDS, PAGES 379, 386.

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 ARE TO TERMINATE ON 1/01/2015 OR THE DATE THE CONSTRUCTION OF THE PROJECT IS COMPLETED, WHICHEVER OCCURS FIRST.

CONVENTIONAL ABBREVIATIONS

ACCESS POINT	AP	REFERENCE LINE	R/L
ACCESS RIGHTS	AR	REMAINING	REM.
ACRES	AC.	RIGHT-OF-WAY	R/W
AND OTHERS	ET.AL.	SECTION	SEC.
CENTERLINE	C/L	STATION	STA.
CERTIFIED SURVEY MAP	CSM	TEMPORARY LIMITED EASEMENT	TLE
CORNER	COR.	VOLUME	V.
CONVEYANCE OF RIGHTS	CR		
DOCUMENT	DOC.	**CURVE DATA**	
EASEMENT	EASE.	LONG CHORD	LCH
LAND CONTRACT	LC	LONG CHORD BEARING	LCB
MONUMENT	MON.	RADIUS	R
PAGE	P.	DEGREE OF CURVE	D
PERMANENT LIMITED EASEMENT	PLE	CENTRAL ANGLE OR DELTA	DELTA
PROPERTY LINE	PL	LENGTH OF CURVE	L
RECORDED AS	(100')	TANGENT	TAN

CONVENTIONAL SYMBOLS

FOUND IRON PIPE/PIN
R/W MONUMENT
R/W STANDARD
SIGN
SECTION CORNER MONUMENT
SECTION CORNER SYMBOL
FEE (HATCH VARIES)
TEMPORARY LIMITED EASEMENT
PERMANENT LIMITED EASEMENT
R/W BOUNDARY POINT
PARCEL NUMBER
SIGN NUMBER (OFF PREMISE)
BUILDING

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

CONVENTIONAL UTILITY SYMBOLS

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

SCALE, FEET
0 100 200

AYRES ASSOCIATES

I, RYAN M. BELTRAND, 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 WINNEBAGO COUNTY, I HAVE SURVEYED TRANSPORTATION PROJECT PLAT 488 - 4.07 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

DATE _____
RYAN M. BELTRAND, RLS S-2825

THIS PLAT IS APPROVED FOR WINNEBAGO COUNTY.

DATE _____
COMMISSIONER

RESERVED FOR REGISTER OF DEEDS PROJECT NUMBER 488 - 4.07 AMENDMENT NO: 1

ACCEPTED FOR RECORDING AND FILING IN THE OFFICE OF THE REGISTER OF DEEDS IN _____ COUNTY, WISCONSIN AT ..:.. .M ON _____ AS DOCUMENT _____ AND FILED IN _____

SIGNATURE OF REGISTER OF DEEDS

FILE NAME : $$....designfile....$$
APPRAISAL PLAT DATE :

PLOT DATE : $$...plottingdate...$$ PLOT BY : $$...plotuser...$$ PLOT NAME :

PLOT SCALE : $$.....plotscale.....$$

TRANSPORTATION PROJECT PLAT NO: 488-4.08 AMENDMENT NO. 1

AMENDS PARCEL 48 OF THE TRANSPORTATION PROJECT PLAT 488-4.08 RECORDED AS DOCUMENT NO: 1547296 AND FILED IN FILE 1 OF TPP, PAGE 120.

THAT PART OF THE SOUTHEAST 1/4 OF THE NORTHEAST 1/4, SECTION 21 AND THE SOUTHWEST 1/4 OF THE NORTHWEST 1/4, SECTION 22, TOWNSHIP 19 NORTH, RANGE 16 EAST, LOCATED IN THE TOWN OF VINLAND, WINNEBAGO COUNTY, WISCONSIN

RELOCATION ORDER CTH T WINNEBAGO COUNTY

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

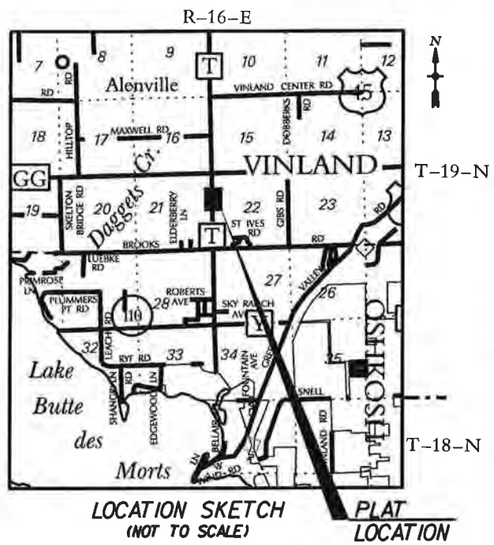
TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3) AND 84.09, WISCONSIN STATUTES, THE WINNEBAGO COUNTY HIGHWAY DEPARTMENT HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.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

SCHEDULE OF LANDS & INTERESTS REQUIRED

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

PARCEL NUMBER	OWNER (S)	INTEREST REQUIRED	R/W ACRES NEW	R/W ACRES EXISTING	R/W ACRES TOTAL	PLE ACRES
48	JERRY W. AND LINDA J. POWERS	PLE	----	----	----	0.10
49	CURTIS M. AND LISA B. DOBBERKE	FEE	0.26	0.54	0.80	
53	WILDE FARMS, INC.	FEE	0.54	1.00	1.54	

SE1/4-NE 1/4, SEC. 21 AND SW1/4-NW 1/4, SEC. 22
T19N, R16E, TOWN OF VINLAND



LOCATION SKETCH (NOT TO SCALE) — PLAT LOCATION

PARCEL 49

COURSE TABLE		
COURSE	DISTANCE	BEARING
214-438	608.60'	N 01°18'31" W
438-446	713.26'	N 01°18'31" W
446-2042	50.01'	N 89°34'05" E
2042-2043	607.51'	S 01°18'31" E
2043-1547	106.74'	S 07°51'20" W
1547-438	33.00'	S 89°21'39" W

PARCEL 53

COURSE TABLE		
COURSE	DISTANCE	BEARING
214-446	1321.86'	N 01°18'31" W
446-2024	50.00'	S 88°54'54" W
2024-2021	1058.47'	S 01°18'31" E
2021-2022	107.52'	S 01°21'25" W
2022-2067	155.94'	S 00°33'46" E
2067-214	57.03'	N 88°57'19" E

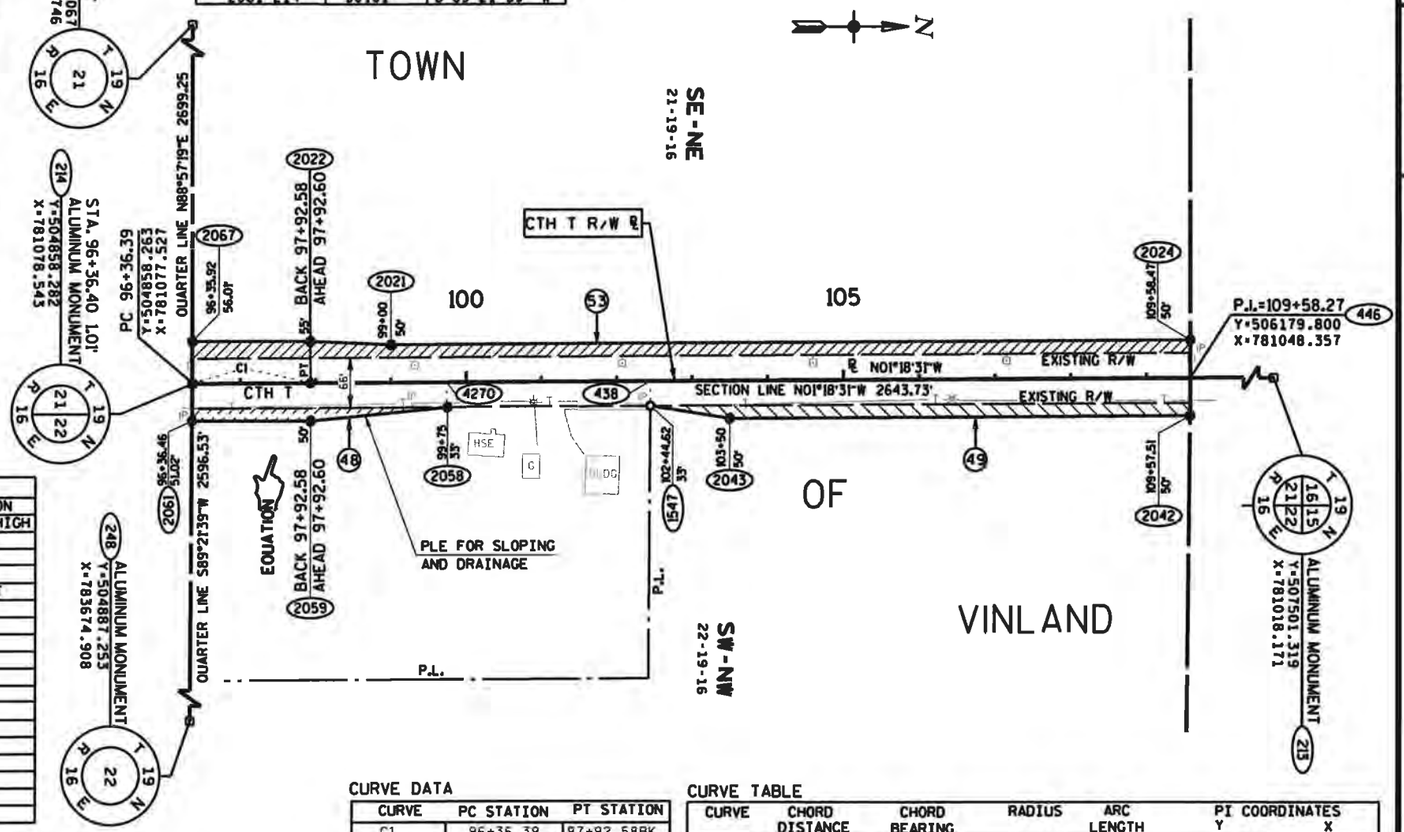
COORDINATES		
POINT NUMBER	Y	X
214	504858.282	781078.543
446	506179.800	781048.357
2021	505120.665	781022.537
2024	506178.854	780998.366
2022	505013.176	781019.991
2067	504857.242	781021.522

PARCELS 48 (PLE)

COURSE TABLE		
COURSE	DISTANCE	BEARING
214-4270	338.59'	N 01°18'31" W
4270-2058	33.00'	N 88°41'29" E
2058-2059	183.19'	S 06°37'59" E
2059-2061	156.77'	S 01°18'33" E
2061-214	50.01'	S 89°21'39" W

PARCELS 48 AND 49

COORDINATES		
POINT NUMBER	Y	X
214	504858.282	781078.543
1547	505467.092	781097.645
446	506179.800	781048.357
2043	505572.831	781112.234
2042	506180.177	781098.361
2058	505197.540	781103.802
2059	505015.574	781124.963
2061	504858.840	781128.545
4270	505196.787	781070.811
438	505466.723	781064.645



EXISTING MONUMENTATION

COORDINATES		
Y	X	DESCRIPTION
504798.449	781038.848	1" PIPE 3' HIGH
504858.597	781111.500	1" PIPE
505151.998	781103.499	.5" PIN
505467.075	781097.502	1" PIPE
506177.695	781016.888	1" PIPE BENT
506893.332	780998.918	1" PIPE
506572.006	781006.272	1" PIPE
507392.588	781054.971	
507469.332	781135.454	
507470.680	781596.594	1" PIPE
507536.292	781510.315	1" PIPE
507535.067	781253.673	3/4" REBAR
507534.234	781051.698	1" PIPE
507465.079	780852.732	1" PIPE
507467.721	780985.921	1" PIPE
507751.516	781047.980	1" PIPE
508101.571	781043.475	1" PIPE
508120.929	780977.397	1" PIPE

CURVE DATA

CURVE	PC STATION	PT STATION
C1	96+36.39	97+92.58BK 97+92.60AH

CURVE TABLE

CURVE	CHORD DISTANCE	CHORD BEARING	RADIUS	ARC LENGTH	PI COORDINATES Y	PI COORDINATES X
C1	156.19'	N00°56'08"W	12000'	156.19'	504936.356	781076.760

NOTES:

COORDINATES AND BEARINGS SHOWN ON THIS PLAT ARE REFERENCED TO THE WISCONSIN COUNTY COORDINATE SYSTEM, WINNEBAGO COUNTY ZONE, NAD83 (1997) ADJUSTMENT. THE COORDINATES SHOWN ARE GRID COORDINATES AND ARE TO BE USED AS GRID OR GROUND VALUES ON THIS PLAT.

RIGHT-OF-WAY MONUMENTS ARE TYPE 2 AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT (1"x24" IRON PIPE-MIN. WT. 1.13 LBS/LIN. FT. WITH PLASTIC CAP STAMPED "AYRES").

RIGHT-OF-WAY BOUNDARIES ARE DEFINED WITH COURSES OF THE PERIMETER OF THE HIGHWAY LANDS REFERENCED TO THE U.S. PUBLIC LAND SURVEY OR OTHER SURVEYS OF 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: EXISTING HIGHWAY RIGHT-OF-WAY FOR CTH T ESTABLISHED FROM EVIDENCE IN TOWN RECORDS, WISCONSIN STATE STATUTE 82.31, AND HIGHWAY DEEDS FOUND AT THE REGISTER OF DEEDS IN VOLUME 409, EASEMENTS AND HIGHWAY DEEDS, PAGES 379, 386.

A PERMANENT LIMITED EASEMENT (PLE) IS A RIGHT FOR CONSTRUCTION AND MAINTENANCE 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, BUT WITHOUT PREJUDICE TO THE OWNER'S RIGHT TO MAKE OR CONSTRUCT IMPROVEMENT ON SAID LANDS OR TO FLATTEN THE SLOPES, PROVIDING SAID ACTIVITIES WILL NOT IMPAIR OR OTHERWISE ADVERSELY AFFECT THE HIGHWAY FACILITIES.

CONVENTIONAL ABBREVIATIONS

ACCESS POINT	AP	REFERENCE LINE	R/L	FOUND IRON PIPE/PIN	
ACCESS RIGHTS	AR	REMAINING	REM.		
ACRES	AC.	RIGHT-OF-WAY	R/W	R/W MONUMENT	
AND OTHERS	ET.AL.	SECTION	SEC.	R/W STANDARD	
CENTERLINE	C/L	STATION	STA.	SIGN	
CERTIFIED SURVEY MAP	CSM	TEMPORARY LIMITED EASEMENT	TLE	SECTION CORNER MONUMENT	
CORNER	COR.	VOLUME	V.	SECTION CORNER SYMBOL	
CONVEYANCE OF RIGHTS	CR				
DOCUMENT	DOC.	**CURVE DATA**		FEE (HATCH VARIES)	
EASEMENT	EASE.	LONG CHORD	LCH	TEMPORARY LIMITED EASEMENT	
LAND CONTRACT	LC	LONG CHORD BEARING	LCB	PERMANENT LIMITED EASEMENT	
MONUMENT	MON.	RADIUS	R	R/W BOUNDARY POINT	
PAGE	P.	DEGREE OF CURVE	D	PARCEL NUMBER	
PERMANENT LIMITED EASEMENT	PLE	CENTRAL ANGLE OR DELTA	DELTA	SIGN NUMBER (OFF PREMISE)	
PROPERTY LINE	PL	LENGTH OF CURVE	L	BUILDING	
RECORDED AS	(100')	TANGENT	TAN		
STATION EQUATION	STA. EQ.				
AHEAD	AH				
BACK	BK				

CONVENTIONAL SYMBOLS

- PROPOSED R/W LINE (1" UNLESS NOTED)
- EXISTING H.E. LINE
- ●(SET) PROPERTY LINE
- ▲(SET) LOT & TIE LINES
- SLOPE INTERCEPTS
- CORPORATE LIMITS
- NO ACCESS (BY PREVIOUS ACQUISITION/CONTROL)
- NO ACCESS (BY ACQUISITION)
- NO ACCESS (BY STATUTORY AUTHORITY)
- SECTION LINE
- QUARTER LINE
- SIXTEENTH LINE
- EXISTING CENTERLINE
- PROPOSED REFERENCE LINE
- PARALLEL OFFSET

CONVENTIONAL UTILITY SYMBOLS

	NON COMPENSABLE	COMPENSABLE
WATER		
GAS		
TELEPHONE		
OVERHEAD		
TRANSMISSION LINES ELECTRIC		
CABLE TELEVISION		
FIBER OPTIC		
SANITARY SEWER		
STORM SEWER		
POWER POLE		
TELEPHONE POLE		
TELEPHONE PEDESTAL		
ELECTRIC TOWER		

SCALE: FEET
0 100 200

AYRES ASSOCIATES

I, JASON M. INGRAM, 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 WINNEBAGO COUNTY, I HAVE SURVEYED TRANSPORTATION PROJECT PLAT 488 - 4.08 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

DATE _____
JASON M. INGRAM, R.L.S S-2630

THIS PLAT IS APPROVED FOR WINNEBAGO COUNTY.

DATE _____
COMMISSIONER

RESERVED FOR REGISTER OF DEEDS PROJECT NUMBER 488 - 4.08 AMENDMENT NO: 1

ACCEPTED FOR RECORDING AND FILING IN THE OFFICE OF THE REGISTER OF DEEDS IN _____ COUNTY, WISCONSIN AT ___:___ M ON _____ AS DOCUMENT *_____ AND FILED IN _____

SIGNATURE OF REGISTER OF DEEDS

FILE NAME : $$....designfile....$$
APPRAISAL PLAT DATE :
PLOT DATE : $$...plottingdate...$$ PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

TRANSPORTATION PROJECT PLAT NO: 488-4.09 AMENDMENT NO: 1

AMENDS PARCELS 32, 49, 71, 100 OF THE TRANSPORTATION PROJECT PLAT 488-4.09 RECORDED AS DOCUMENT NO: 1547297 AND FILED IN FILE 1 OF TPP, PAGE 121.

THAT PART OF THE NORTHEAST 1/4 OF THE NORTHEAST 1/4, SECTION 21 AND THE NORTHWEST 1/4 OF THE NORTHWEST 1/4, SECTION 22, TOWNSHIP 19 NORTH, RANGE 16 EAST, LOCATED IN THE TOWN OF VINLAND, WINNEBAGO COUNTY, WISCONSIN

RELOCATION ORDER CTH T WINNEBAGO COUNTY

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

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

SCHEDULE OF LANDS & INTERESTS REQUIRED

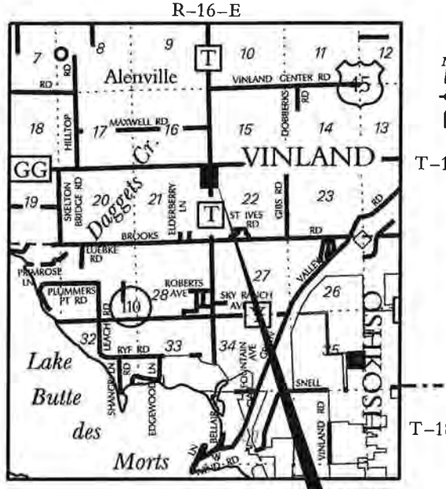
OWNER NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE COUNTY.

PARCEL NUMBER	OWNER (S)	INTEREST REQUIRED	R/W ACRES			TLE
			NEW	EXISTING	TOTAL	ACRES
32	FLORENCE E. DEVENS, LC VENDOR TODD S. DEVENS, LC PURCHASER	FEE	0.13	----	0.13	----
49	CURTIS M. & LISA B. DOBBERKE	FEE	0.73	1.21	1.94	----
70	VIRGINIA SCHONSCHECK	FEE & TLE	0.01	0.30	0.31	0.17
71	TOWN OF VINLAND	FEE & TLE	0.18	----	0.18	0.05
101	WISCONSIN PUBLIC SERVICE CORP.	RELEASE	----	----	----	----
105	AT&T WISCONSIN	RELEASE	----	----	----	----

PARCELS 32, 70, AND 71

COURSE TABLE			COORDINATES	
COURSE	DISTANCE	BEARING	Y	X
213-446	1321.86'	S 1°18'31" E	507501.319	781018.171
446-2024	50.00'	S 88°54'54" W	506179.800	781048.357
2024-4106	44.88'	N 20°57'02" E	506178.854	780998.366
4106-1560	351.40'	N 1°18'31" W	506220.766	781014.413
1560-4108	17.00'	S 88°54'58" W	506572.074	781006.388
4108-4109	548.53'	N 1°18'31" W	506571.752	780989.391
4109-4110	52.81'	N 17°28'10" E	507120.143	780976.865
4110-4064	213.24'	N 1°18'31" W	507170.518	780992.719
4064-4065	118.98'	N 46°13'02" W	507383.702	780987.849
4065-4053	46.74'	N 46°13'02" W	507466.029	780901.947
4053-213	150.00'	N 88°52'28" E	507498.372	780868.200

NE1/4-NE 1/4, SEC. 21 AND NW1/4-NW 1/4, SEC. 22
T19N, R16E, TOWN OF VINLAND



LOCATION SKETCH (NOT TO SCALE)

PLAT LOCATION

PARCEL 49

COURSE TABLE		
COURSE	DISTANCE	BEARING
213-446	1321.86'	S 1°18'31" E
446-2042	50.01'	N 89°34'05" E
2042-4076	542.49'	N 1°18'31" W
4076-4075	100.12'	N 1°33'14" E
4075-4200	568.27'	N 1°18'31" W
4200-4201	72.82'	N 39°44'59" E
4201-4202	150.00'	N 89°46'21" E
4202-4203	54.63'	N 66°01'23" E
4203-4204	33.00'	N 0°13'39" W
4204-213	303.89'	S 89°46'21" W

COORDINATES		
POINT NUMBER	Y	X
446	506179.800	781048.357
2042	506180.177	781098.361
4076	506722.531	781085.973
4075	506822.619	781088.688
4200	507390.744	781075.711
4201	507446.732	781122.275
4202	507447.327	781272.274
4203	507469.526	781322.186
4204	507502.525	781322.055

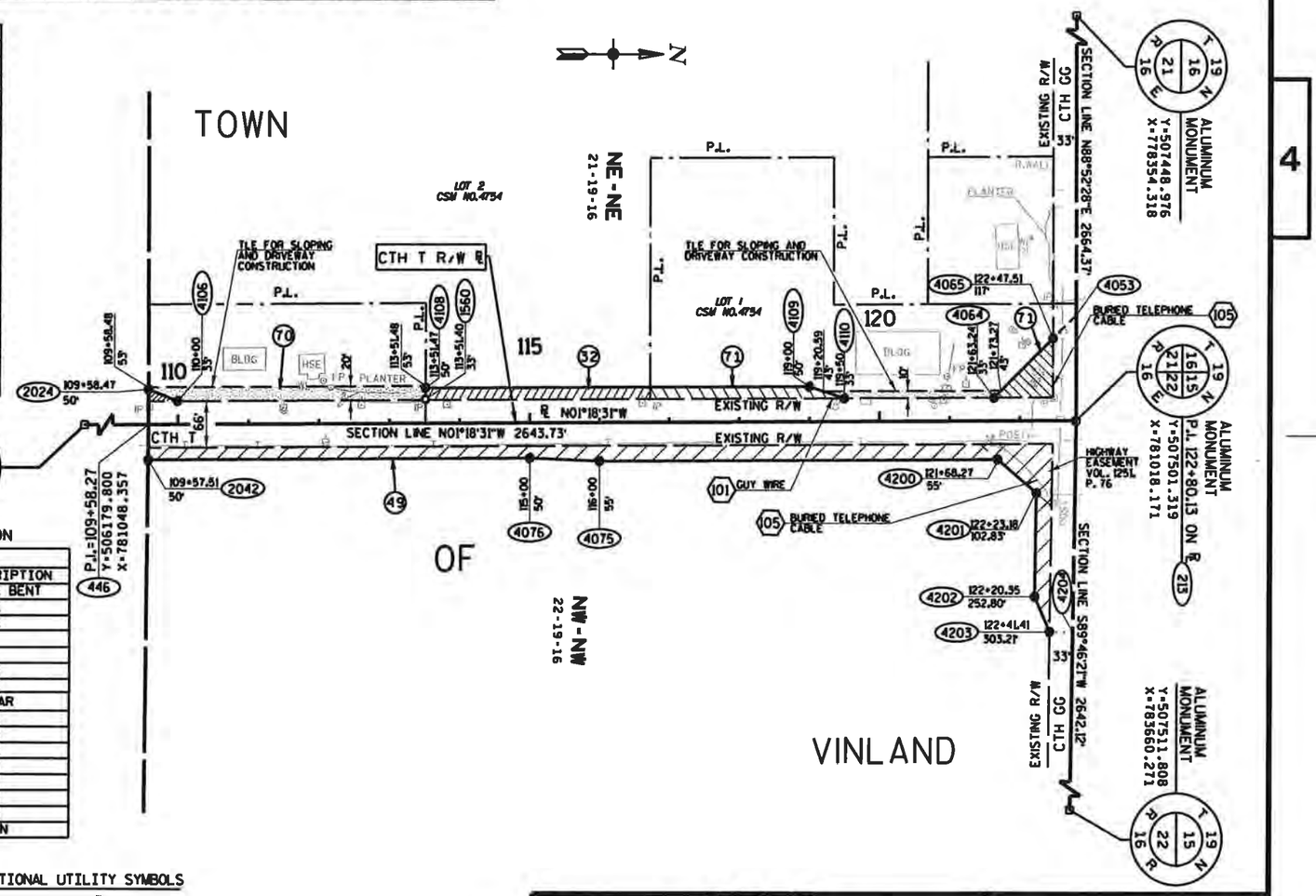
ALUMINUM MONUMENT
Y=504858.282
X=781078.543

T 19 N R 16 E 21 22

P.I.=109+58.27
Y=506179.800
X=781048.357

EXISTING MONUMENTATION

COORDINATES		
Y	X	DESCRIPTION
506177.695	781016.888	1" PIPE BENT
506893.332	780998.918	1" PIPE
506572.006	781006.272	1" PIPE
507392.588	781054.971	
507469.332	781135.454	
507470.680	781596.594	1" PIPE
507536.292	781510.315	1" PIPE
507535.067	781253.673	5/8" REBAR
507534.234	781051.698	1" PIPE
507465.079	780852.732	1" PIPE
507467.721	780985.921	1" PIPE
507751.516	781047.980	1" PIPE
508101.571	781043.475	1" PIPE
508120.929	780977.397	1" PIPE
508820.036	781034.411	1" PIPE
508320.916	780974.790	.75" PIN



NOTES:

COORDINATES AND BEARINGS SHOWN ON THIS PLAT ARE REFERENCED TO THE WISCONSIN COUNTY COORDINATE SYSTEM, WINNEBAGO COUNTY ZONE, NAD83 (1991) ADJUSTMENT. THE COORDINATES SHOWN ARE GRID COORDINATES AND ARE TO BE USED AS GRID OR GROUND VALUES ON THIS PLAT.

RIGHT-OF-WAY MONUMENTS ARE TYPE 2 AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT (1"x24" IRON PIPE-MIN. WT. 1.13 LBS/LIN. FT. WITH PLASTIC CAP STAMPED "AYRES").

RIGHT-OF-WAY BOUNDARIES ARE DEFINED WITH COURSES OF THE PERIMETER OF THE HIGHWAY LANDS REFERENCED TO THE U.S. PUBLIC LAND SURVEY OR OTHER SURVEYS OF 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:
EXISTING HIGHWAY RIGHT-OF-WAY FOR CTH T ESTABLISHED FROM EVIDENCE IN TOWN RECORDS, WISCONSIN STATE STATUTE 82.31, CERTIFIED SURVEY MAP NUMBER 4754, AND HIGHWAY DEEDS FOUND AT THE REGISTER OF DEEDS IN VOLUME 409, EASEMENTS AND HIGHWAY DEEDS, PAGES 379, 386.
EXISTING HIGHWAY RIGHT-OF-WAY FOR CTH GG ESTABLISHED FROM HIGHWAY EASEMENT VOLUME 1251, PAGE 76 AND WISCONSIN STATE STATUTE 82.31.

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 ARE TO TERMINATE ON 1/01/2015 OR THE DATE THE CONSTRUCTION OF THE PROJECT IS COMPLETED, WHICHEVER OCCURS FIRST.

CONVENTIONAL ABBREVIATIONS

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

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/PIN (1" UNLESS NOTED)	PROPOSED R/W LINE
● =(SET)	EXISTING H.E. LINE
▲ =(SET)	PROPERTY LINE
ISIGN	LOT & TIE LINES
	SLOPE INTERCEPTS
	CORPORATE LIMITS
	NO ACCESS (BY PREVIOUS ACQUISITION/CONTROL)
	NO ACCESS (BY ACQUISITION)
	NO ACCESS (BY STATUTORY AUTHORITY)
R/W MONUMENT	SECTION LINE
R/W STANDARD	QUARTER LINE
SIGN	SIXTEENTH LINE
SECTION CORNER MONUMENT	EXISTING CENTERLINE
SECTION CORNER SYMBOL	PROPOSED REFERENCE LINE
FEE (HATCH VARIES)	PARALLEL OFFSET
TEMPORARY LIMITED EASEMENT	
PERMANENT LIMITED EASEMENT	
R/W BOUNDARY POINT	
PARCEL NUMBER	
SIGN NUMBER (OFF PREMISE)	
BUILDING	

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		

SCALE, FEET
0 100 200

AYRES ASSOCIATES

I, RYAN M. BELTRAND, 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 WINNEBAGO COUNTY, I HAVE SURVEYED TRANSPORTATION PROJECT PLAT 488 - 4.09 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

DATE

RYAN M. BELTRAND, RLS S-2825

THIS PLAT IS APPROVED FOR WINNEBAGO COUNTY.

DATE

COMMISSIONER

RESERVED FOR REGISTER OF DEEDS PROJECT NUMBER 488 - 4.09 AMENDMENT NO: 1

ACCEPTED FOR RECORDING AND FILING IN THE OFFICE OF THE REGISTER OF DEEDS IN WINNEBAGO COUNTY, WISCONSIN
AT ..:.. .M ON ..... AS DOCUMENT
*..... AND FILED IN .....

SIGNATURE OF REGISTER OF DEEDS

FILE NAME : $$....designfile....$$
APPRAISAL PLAT DATE :

PLOT DATE : $$...plottingdate...$$ PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

TRANSPORTATION PROJECT PLAT NO: 488-4.10 AMENDMENT NO: 1

AMENDS PARCEL 100 OF THE TRANSPORTATION PROJECT PLAT 488-4.10 RECORDED AS DOCUMENT NO: 1547298 AND FILED IN FILE 1 OF TPP, PAGE 122.

THAT PART OF THE SOUTHEAST 1/4 OF THE SOUTHEAST 1/4, SECTION 16 AND THE SOUTHWEST 1/4 OF THE SOUTHWEST 1/4, SECTION 15, TOWNSHIP 19 NORTH, RANGE 16 EAST, LOCATED IN THE TOWN OF VINLAND, WINNEBAGO COUNTY, WISCONSIN

RELOCATION ORDER CTH T WINNEBAGO COUNTY

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

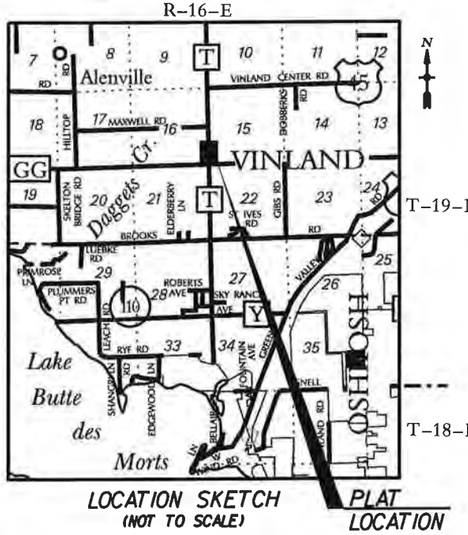
TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3) AND 84.09, WISCONSIN STATUTES, THE WINNEBAGO COUNTY HIGHWAY DEPARTMENT HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.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

SCHEDULE OF LANDS & INTERESTS REQUIRED

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

PARCEL NUMBER	OWNER (S)	INTEREST REQUIRED	R/W ACRES		
			NEW	EXISTING	TOTAL
50	DONALD W. BARTLETT	FEE	0.46	L01	L47
72	JAMES D. & JUDITH SUE HACKER	FEE	0.09	0.23	0.32
73	KEVIN D. AND JULIE L. LAUX	FEE	0.14	0.27	0.41
74	PHILIP E. & MARY J. HERGERT	FEE	0.28	0.54	0.82
75	RICKEY L. & TAMIE S. NIEMUTH	FEE	0.05	0.15	0.20
105	AT&T WISCONSIN	RELEASE	----	----	----

SE1/4-SE 1/4, SEC. 16 AND SW1/4-SW 1/4, SEC. 15
T19N, R16E, TOWN OF VINLAND



EXISTING MONUMENTATION

COORDINATES		
Y	X	DESCRIPTION
506177.695	781016.888	1" PIPE BENT
506893.332	780998.918	1" PIPE
506572.006	781006.272	1" PIPE
507392.588	781054.971	
507469.332	781135.454	
507470.680	781596.594	1" PIPE
507536.292	781510.315	1" PIPE
507535.067	781253.673	5/8" REBAR
507534.234	781051.698	1" PIPE
507465.079	780852.732	1" PIPE
507467.721	780985.921	1" PIPE
507751.516	781047.980	1" PIPE
508101.571	781043.475	1" PIPE
508120.929	780977.397	1" PIPE
508820.036	781034.411	1" PIPE
508320.916	780974.790	.75" PIN

PARCELS 50 & 75

COORDINATES		
POINT NUMBER	Y	X
213	507501.319	781018.171
1362	508819.337	781001.529
1378	508818.495	780956.536
1374	508620.528	780959.036
4067	508520.473	780955.299
4121	508370.485	780957.192
4120	508320.745	780967.821
4118	508220.623	780969.085
4119	508170.501	780959.718
4068	507600.327	780966.917
4124	507539.156	780907.688
4126	507537.388	780817.706
4129	507529.407	780767.853
4130	507496.413	780768.501

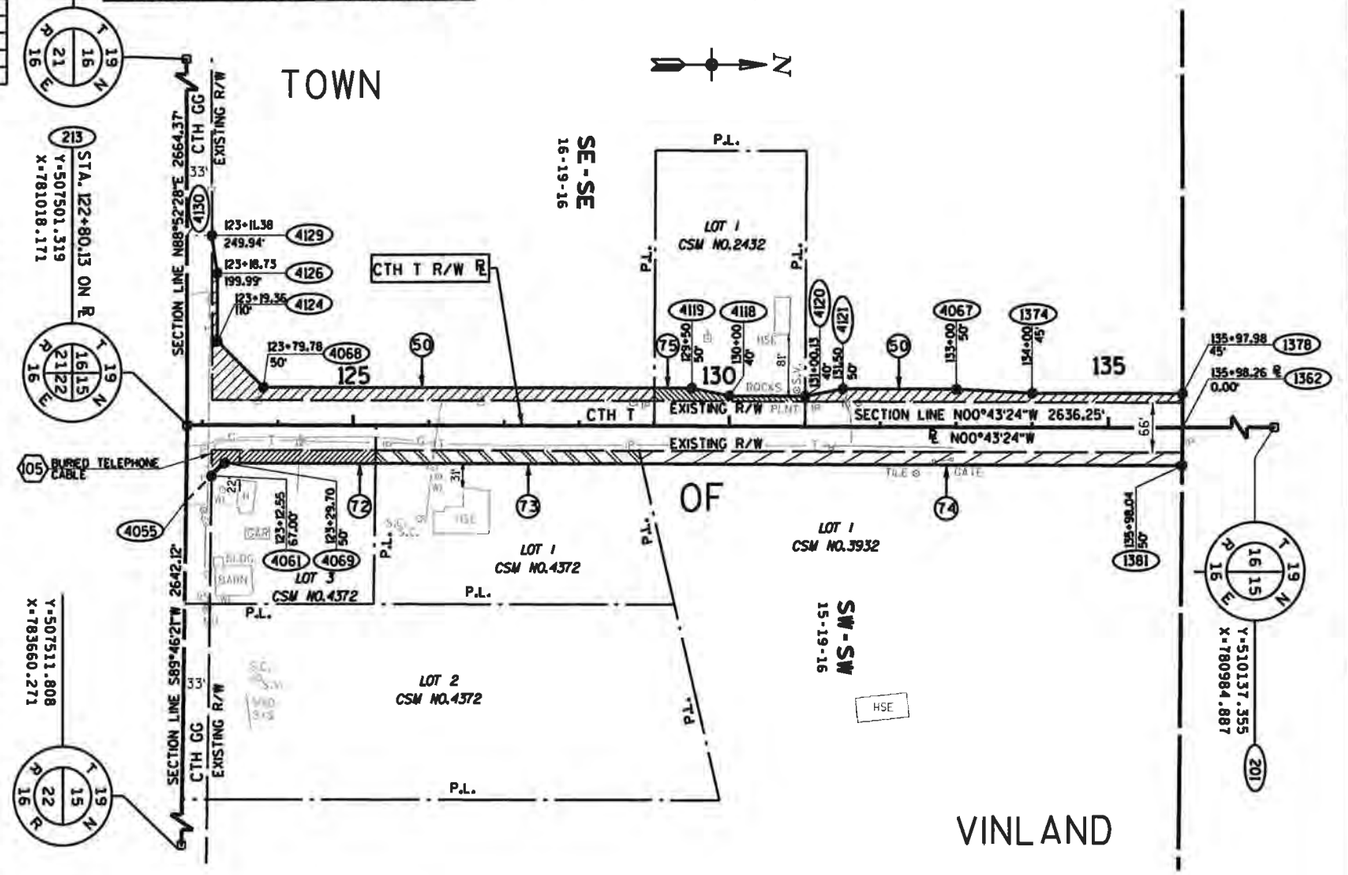
PARCELS 72, 73, & 74

COURSE TABLE		
COURSE	DISTANCE	BEARING
213-1362	1318.12'	N 00°43'24" W
1362-1381	50.00'	N 89°31'26" E
1381-4069	1268.34'	S 00°43'24" E
4069-4061	24.14'	S 45°28'32" E
4061-4055	46.87'	S 45°28'32" E
4055-213	100.00'	S 89°46'21" W

COORDINATES		
POINT NUMBER	Y	X
1381	508819.752	781051.528
1362	508819.337	781001.529
4055	507501.716	781118.170
4061	507534.584	781084.753
4069	507551.512	781067.541

PARCELS 50 & 75

COURSE TABLE		
COURSE	DISTANCE	BEARING
213-1362	1318.12'	N 00°43'24" W
1362-1378	45.00'	S 88°55'42" W
1378-1374	197.98'	S 00°43'24" E
1374-4067	100.12'	S 2°08'20" W
4067-4121	150.00'	S 0°43'24" E
4121-4120	50.86'	S 12°03'43" E
4120-4118	100.13'	S 0°43'24" E
4118-4119	50.99'	S 10°35'11" W
4119-4068	570.22'	S 00°43'24" E
4068-4124	85.15'	S 44°04'32" W
4124-4126	90.00'	S 88°52'28" W
4126-4129	50.49'	S 80°54'17" W
4129-4130	33.00'	S 1°07'32" E
4130-213	249.72'	N 88°52'28" E



NOTES:

COORDINATES AND BEARINGS SHOWN ON THIS PLAT ARE REFERENCED TO THE WISCONSIN COUNTY COORDINATE SYSTEM, WINNEBAGO COUNTY ZONE, NAD83 (1997) ADJUSTMENT. THE COORDINATES SHOWN ARE GRID COORDINATES AND ARE TO BE USED AS GRID OR GROUND VALUES ON THIS PLAT.

RIGHT-OF-WAY MONUMENTS ARE TYPE 2 AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT (1"x24" IRON PIPE-MIN. WT. 1.13 LBS/LIN. FT.).

RIGHT-OF-WAY BOUNDARIES ARE DEFINED WITH COURSES OF THE PERIMETER OF THE HIGHWAY LANDS REFERENCED TO THE U.S. PUBLIC LAND SURVEY OR OTHER SURVEYS OF 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: EXISTING HIGHWAY RIGHT-OF-WAY FOR CTH T ESTABLISHED FROM EVIDENCE IN TOWN RECORDS, WISCONSIN STATE STATUTE 82.31, AND HIGHWAY DEEDS FOUND AT THE REGISTER OF DEEDS IN VOLUME 409, EASEMENTS AND HIGHWAY DEEDS, PAGES 379, 386.
EXISTING HIGHWAY RIGHT-OF-WAY FOR CTH GG ESTABLISHED FROM WISCONSIN STATE STATUTE 82.31.

CONVENTIONAL ABBREVIATIONS

ACCESS POINT	AP	REFERENCE LINE	R/L	FOUND IRON PIPE/PIN	
ACCESS RIGHTS	AR	REMAINING	REM.		
ACRES	AC.	RIGHT-OF-WAY	R/W	R/W MONUMENT	
AND OTHERS	ET.AL.	SECTION	SEC.	R/W STANDARD	
CENTERLINE	C/L	STATION	STA.	SIGN	
CERTIFIED SURVEY MAP	CSM	TEMPORARY LIMITED EASEMENT	TLE	SECTION CORNER MONUMENT	
CORNER	COR.	VOLUME	V.	SECTION CORNER SYMBOL	
CONVEYANCE OF RIGHTS	CR				
DOCUMENT	DOC.	**CURVE DATA**		FEE (HATCH VARIES)	
EASEMENT	EASE.	LONG CHORD	LCH	TEMPORARY LIMITED EASEMENT	
LAND CONTRACT	LC	LONG CHORD BEARING	LCB	PERMANENT LIMITED EASEMENT	
MONUMENT	MON.	RADIUS	R	R/W BOUNDARY POINT	
PAGE	P.	DEGREE OF CURVE	D	PARCEL NUMBER	
PERMANENT LIMITED EASEMENT	PLE	CENTRAL ANGLE OR DELTA	DELTA	SIGN NUMBER (OFF PREMISE)	
PROPERTY LINE	PL	LENGTH OF CURVE	L	BUILDING	
RECORDED AS	(100')	TANGENT	TAN		

CONVENTIONAL SYMBOLS

LP (1" UNLESS NOTED)	PROPOSED R/W LINE
● =(SET)	EXISTING H.E. LINE
▲ =(SET)	PROPERTY LINE
	LOT & TIE LINES
ISIGN	SLOPE INTERCEPTS
	CORPORATE LIMITS
	NO ACCESS (BY PREVIOUS ACQUISITION/CONTROL)
	NO ACCESS (BY ACQUISITION)
	NO ACCESS (BY STATUTORY AUTHORITY)
	SECTION LINE
	QUARTER LINE
	SIXTEENTH LINE
	EXISTING CENTERLINE
	PROPOSED REFERENCE LINE
	PARALLEL OFFSET

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		

SCALE: FEET
0 100 200

AYRES ASSOCIATES

I, RYAN M. BELTRAND, 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 WINNEBAGO COUNTY, I HAVE SURVEYED TRANSPORTATION PROJECT PLAT 488 - 4.10 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

DATE _____
RYAN M. BELTRAND, PLS S-2825

THIS PLAT IS APPROVED FOR WINNEBAGO COUNTY.

DATE _____
COMMISSIONER

RESERVED FOR REGISTER OF DEEDS PROJECT NUMBER 488 - 4.10 AMENDMENT NO: 1

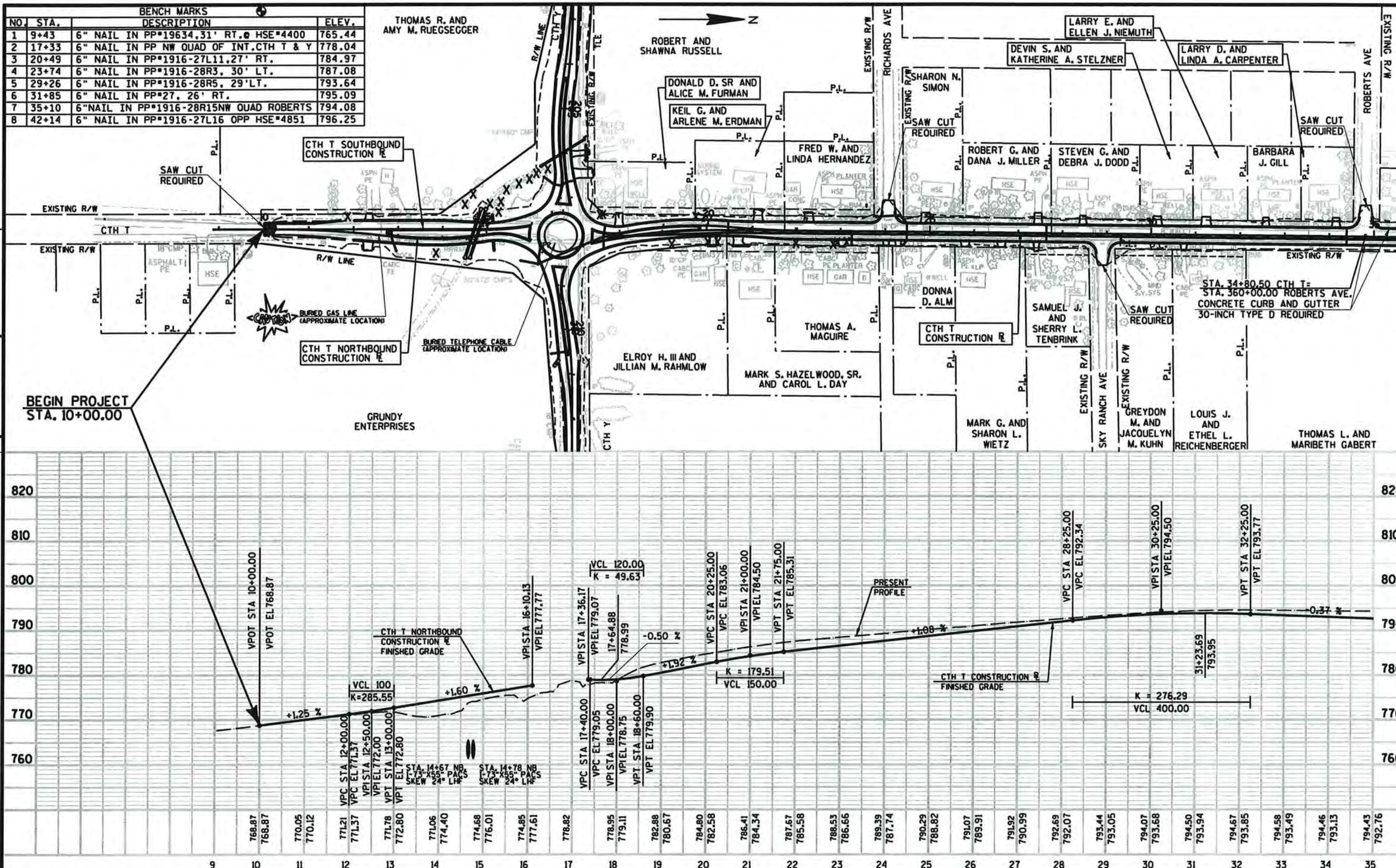
ACCEPTED FOR RECORDING AND FILING IN THE OFFICE OF THE REGISTER OF DEEDS IN WINNEBAGO COUNTY, WISCONSIN AT ...:... .M ON _____ AS DOCUMENT *_____ AND FILED IN _____

SIGNATURE OF REGISTER OF DEEDS

FILE NAME : $$....designfile....$$
APPRAISAL PLAT DATE :
PLOT DATE : $$...plottingdate...$$ PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

BENCH MARKS

NO.	STA.	DESCRIPTION	ELEV.
1	9+43	6" NAIL IN PP#19634,31' RT.@ HSE#4400	765.44
2	17+33	6" NAIL IN PP NW QUAD OF INT.CTH T & Y	778.04
3	20+49	6" NAIL IN PP#1916-27L11,27' RT.	784.97
4	23+74	6" NAIL IN PP#1916-28R3, 30' LT.	787.08
5	29+26	6" NAIL IN PP#1916-28R5, 29'LT.	793.64
6	31+85	6" NAIL IN PP#27, 26' RT.	795.09
7	35+10	6"NAIL IN PP#1916-28R15NW QUAD ROBERTS	794.08
8	42+14	6" NAIL IN PP#1916-27L16 OPP HSE#4851	796.25

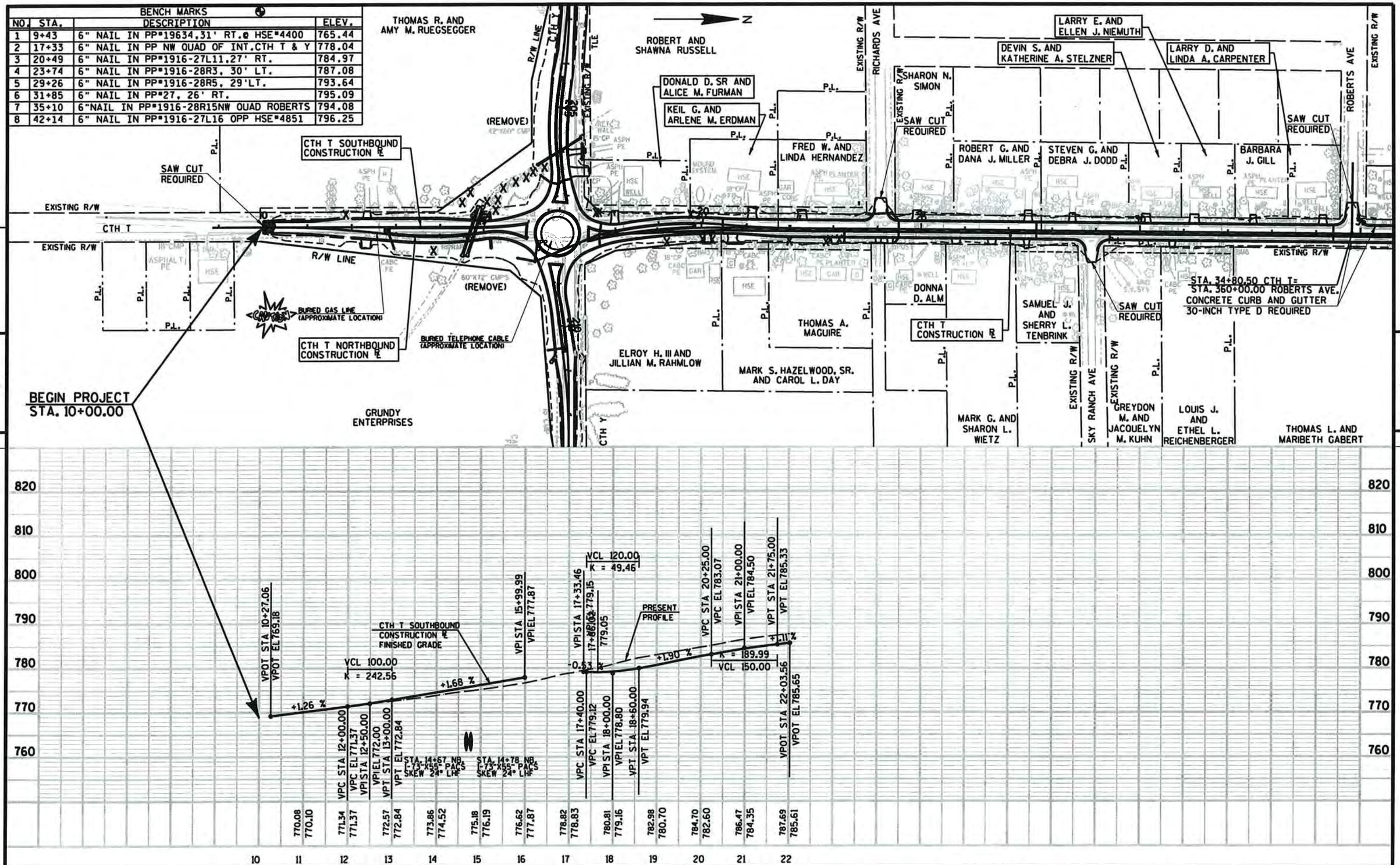


THOMAS R. AND AMY M. RUEGSEGGER
ROBERT AND SHAWNA RUSSELL
DONALD D. SR AND ALICE M. FURMAN
KEIL G. AND ARLENE M. ERDMAN
FRED W. AND LINDA HERNANDEZ
SHARON N. SIMON
SAW CUT REQUIRED
ROBERT G. AND DANA J. MILLER
STEVEN G. AND DEBRA J. DODD
DEVIN S. AND KATHERINE A. STELZNER
LARRY E. AND ELLEN J. NIEMUTH
LARRY D. AND LINDA A. CARPENTER
BARBARA J. GILL
RICHARDS AVE
ROBERTS AVE
EXISTING R/W
R/W LINE
CTH Y
CTH T
CTH T SOUTHBOUND CONSTRUCTION ℄
CTH T NORTHBOUND CONSTRUCTION ℄
BURIED GAS LINE (APPROXIMATE LOCATION)
BURIED TELEPHONE CABLE (APPROXIMATE LOCATION)
BEGIN PROJECT STA. 10+00.00
GRUNDY ENTERPRISES
ELROY H. III AND JILLIAN M. RAHMLOW
THOMAS A. MAGUIRE
MARK S. HAZELWOOD, SR. AND CAROL L. DAY
DONNA D. ALM
CTH T CONSTRUCTION ℄
MARK G. AND SHARON L. WIETZ
SAMUEL J. AND SHERRY L. TENBRINK
SKY RANCH AVE
GREYDON M. AND JACQUELYN M. KUHN
LOUIS J. AND ETHEL L. REICHENBERGER
THOMAS L. AND MARIBETH GABERT
STA. 34+80.50 CTH T= STA. 360+00.00 ROBERTS AVE.
CONCRETE CURB AND GUTTER 30-INCH TYPE D REQUIRED
5
VPOT STA 10+00.00
VPOT EL768.87
+1.25 %
VCL 100
K=285.55
VPC STA 12+00.00
VPC EL771.37
VPI STA 12+50.00
VPI EL772.00
VPT STA 13+00.00
VPT EL772.80
+1.60 %
CTH T NORTHBOUND CONSTRUCTION ℄ FINISHED GRADE
STA. 14+67 NB L-73"X55" PACS SKEW 24° LHF
STA. 14+78 NB L-73"X55" PACS SKEW 24° LHF
VPI STA 16+10.13
VPI EL777.77
VCL 120.00
K = 49.63
VPI STA 17+36.17
VPI EL779.07
17+64.88
778.99
-0.50 %
VPC STA 17+40.00
VPC EL779.05
VPI STA 18+00.00
VPI EL778.75
VPT STA 18+60.00
VPT EL779.90
+1.92 %
VPC STA 20+25.00
VPC EL783.06
VPI STA 21+00.00
VPI EL784.50
VPT STA 21+75.00
VPT EL785.31
K = 179.51
VCL 150.00
PRESENT PROFILE
+1.08 %
CTH T CONSTRUCTION ℄ FINISHED GRADE
VPC STA 28+25.00
VPC EL792.34
VPI STA 30+25.00
VPI EL794.50
31+23.69
793.95
VPT STA 32+25.00
VPT EL793.77
-0.37 %
K = 276.29
VCL 400.00
820
810
800
790
780
770
760
768.87 768.87
770.05 770.12
771.21 771.37
771.78 772.80
771.06 774.40
774.68 776.01
774.85 777.61
778.82
778.95 779.11
782.88 780.67
784.80 782.58
786.41 784.34
787.67 785.58
788.53 786.66
789.39 787.74
790.29 788.82
791.07 789.91
791.92 790.99
792.69 792.07
793.44 793.05
794.07 793.68
794.50 793.94
794.67 793.85
794.58 793.49
794.46 793.13
794.43 792.76
9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35

PROJECT NO: 41-0452.00	HWY: CTH T	COUNTY: WINNEBAGO	PLAN AND PROFILE-NORTHBOUND	SHEET 81	E

FILE NAME : $$....designfile....$$ PLOT DATE : $$...plottingdate...$$ PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 40

BENCH MARKS			
NO.	STA.	DESCRIPTION	ELEV.
1	9+43	6" NAIL IN PP=19634.31' RT.@ HSE=4400	765.44
2	17+33	6" NAIL IN PP NW QUAD OF INT.CTH T & Y	778.04
3	20+49	6" NAIL IN PP=1916-27L11.27' RT.	784.97
4	23+74	6" NAIL IN PP=1916-28R3, 30' LT.	787.08
5	29+26	6" NAIL IN PP=1916-28R5, 29'LT.	793.64
6	31+85	6" NAIL IN PP=27, 26' RT.	795.09
7	35+10	6"NAIL IN PP=1916-28R15NW QUAD ROBERTS	794.08
8	42+14	6" NAIL IN PP=1916-27L16 OPP HSE=4851	796.25



PROJECT NO: 41-0452.00	HWY: CTH T	COUNTY: WINNEBAGO	PLAN AND PROFILE-SOUTHBOUND	SHEET E

FILE NAME : $$....designfile....$$ PLOT DATE : $$...plottingdate...$$ PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 40

ROBERT AND SHAWNA RUSSELL

DONALD D. SR AND ALICE M. FURMAN

ELROY H. III AND JILLIAN M. RAHMLOW

RICHARD R. AND JILL M. RUSSO

THOMAS R. AND AMY M. RUEGSEGGER

GRUNDY ENTERPRISES

CTH Y WESTBOUND CONSTRUCTION ℄

CTH Y EASTBOUND CONSTRUCTION ℄

CTH T NORTHBOUND CONSTRUCTION ℄

CTH T SOUTHBOUND CONSTRUCTION ℄

CTH Y

CTH T

EXISTING R/W

R/W LINE

P.L.

SAW CUT REQUIRED

SLOPE INTERCEPT

(REMOVE)

(TO REMAIN)

CONSTRUCTION LIMITS STA. 201+25.00

CONSTRUCTION LIMITS STA. 213+00.00

BURIED ELECTRIC LINE (APPROXIMATE LOCATION)

BURIED GAS LINE (APPROXIMATE LOCATION)

BURIED TELEPHONE CABLE (APPROXIMATE LOCATION)

42"X50" CMP

60"X72" CMP

N

5

5

CTH Y EASTBOUND CONSTRUCTION ℄ FINISHED GRADE

EXISTING PROFILE

VCL 100.00
K = 38.11

VPOT STA 201+25.00
VPOT EL 788.02

VPC STA 206+00.00
VPC EL 778.95

VPI STA 206+50.00
VPI EL 778.00

VPT STA 207+00.00
VPT EL 778.36

VPI STA 207+18.46
VPI EL 778.49

206+72.73
778.26

VPI STA 208+53.75
VPI EL 778.13

VPOT STA 213+00.00
VPOT EL 774.50

-1.91 %

+0.72 %

-0.81 %

STA. 206+05 EB
1.54'RCCP CLASS III REQ'D.
SKEW 28° RHF

200	201	202	203	204	205	206	207	208	209	210	211	212	213	214
789.61	788.34	786.84 / 786.59	784.80 / 784.68	781.63 / 782.77	778.12 / 780.86	772.67 / 778.95	774.65 / 778.36	776.52 / 778.27	776.02 / 777.75	775.30 / 776.94	776.66 / 776.13	775.67 / 775.31	774.50 / 774.50	

790 785 780 775 770 765 760 755

PROJECT NO: 41-0452.00	HWY: CTH Y (EAST BOUND)	COUNTY: WINNEBAGO	PLAN AND PROFILE-CTH Y EASTBOUND	SHEET E

FILE NAME : $$....designfile....$$ PLOT DATE : $$...plottingdate...$$ PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 40

ROBERT AND SHAWNA RUSSELL

DONALD D. SR AND ALICE M. FURMAN

ELROY H. III AND JILLIAN M. RAHMLOW

RICHARD R. AND JILL M. RUSSO

THOMAS R. AND AMY M. RUEGSEGGER

GRUNDY ENTERPRISES

N

P.L.

EXISTING R/W

R/W LINE

BURIED ELECTRIC LINE (APPROXIMATE LOCATION)

BURIED GAS LINE (APPROXIMATE LOCATION)

BURIED TELEPHONE CABLE (APPROXIMATE LOCATION)

SAW CUT REQUIRED

(REMOVE)

SLOPE INTERCEPT

CTH Y WESTBOUND CONSTRUCTION ℄

CTH Y EASTBOUND CONSTRUCTION ℄

CTH T NORTHBOUND CONSTRUCTION ℄

CTH T SOUTHBOUND CONSTRUCTION ℄

CTH Y

CTH T

200

CONSTRUCTION LIMITS STA. 201+25.00

CONSTRUCTION LIMITS STA. 213+00.00

18"RCCP

24"RCCP

24"CMP

CABLE TV PE

WELL

ASPH

5

5

CTH T CONSTRUCTION ℄ FINISHED GRADE

EXISTING PROFILE

VCL 100.00
K = 34.26

VCL 100.00
K = 423.28

-1.89 %

+1.03 %

-1.07 %

-0.84 %

VPOT STA 201+48.01
VPOT EL 787.58

206+64.70
778.43

VPI STA 207+18.92
VPI EL 778.81

VPI STA 208+52.99
VPI EL 778.44

STA. 206+05 EB
1-54"RCCP CLASS III REQ'D.
SKEW 28° RHF

VPC STA 206+00.00
VPC EL 779.04

VPI STA 206+50.00
VPI EL 778.10

VPT STA 207+00.00
VPT EL 778.62

VPC STA 209+00.00
VPC EL 777.94

VPI STA 209+50.00
VPI EL 777.40

VPT STA 210+00.00
VPT EL 776.98

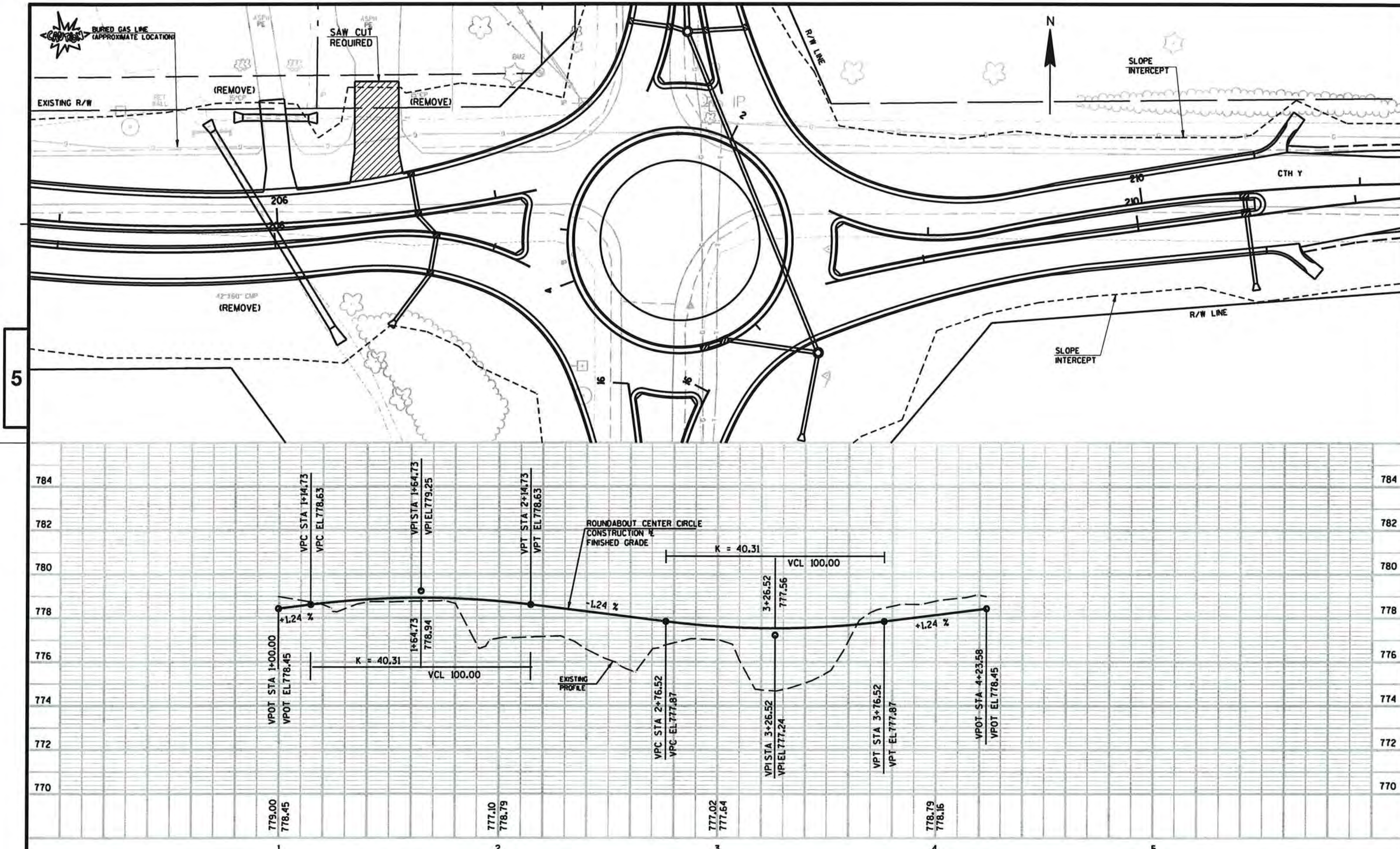
VPOT STA 212+63.47
VPOT EL 774.78

	201	202	203	204	205	206	207	208	209	210	211	212	213
		786.83	784.90	782.88	778.43	775.42	778.31	778.48	776.17	777.52	776.77	775.68	
		786.60	784.71	782.82	780.93	779.04	778.62	778.59	777.94	776.98	776.15	775.31	

790 785 780 775 770 765 760 755

PROJECT NO: 41-0452.00	HWY: CTH Y (WEST BOUND)	COUNTY: WINNEBAGO	PLAN AND PROFILE-CTH Y WESTBOUND	SHEET E

FILE NAME : $$....designfile....$$ PLOT DATE : $$...plottingdate...$$ PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 40



BURIED GAS LINE (APPROXIMATE LOCATION)
SAW CUT REQUIRED
(REMOVE)
EXISTING R/W
(REMOVE)
(REMOVE)
R/W LINE
N
SLOPE INTERCEPT
CTH Y
R/W LINE
SLOPE INTERCEPT
ROUNDABOUT CENTER CIRCLE CONSTRUCTION ℄ FINISHED GRADE
K = 40.31
VCL 100.00
-1.24 %
+1.24 %
+1.24 %
EXISTING PROFILE
VPOT STA 1+00.00
VPOT EL 778.45
VPC STA 1+14.73
VPC EL 778.63
VPI STA 1+64.73
VPI EL 779.25
VPT STA 2+14.73
VPT EL 778.63
VPC STA 2+76.52
VPC EL 777.87
VPI STA 3+26.52
VPI EL 777.24
VPT STA 3+76.52
VPT EL 777.87
VPOT STA 4+23.58
VPOT EL 778.45

PROJECT NO: 41-0452.00	HWY: CTH T	COUNTY: WINNEBAGO	ROUNDABOUT CIRCLE	SHEET 85	E

FILE NAME : $$....designfile....$$ PLOT DATE : $$...plottingdate...$$ PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 40

BENCH MARKS			
NO.	STA.	DESCRIPTION	ELEV.
7	35+10	6"NAIL IN PP"1916-28R15 NW QUAD ROBERT	794.08
8	42+14	6" NAIL IN PP"191627L16 OPP HSE"4851	796.25
9	48+20	6" NAIL IN PP"12 OPP. HSE"4955,23' RT.	797.81
10	58+52	6" NAIL IN PP"1916-21R23, 29' LT.	802.26

EXISTING R/W
ROBERTS AVE
EXISTING R/W
RONALD M. AND DONNA M. MISCHLER
KENNETH L. AND ELEANORA R. ANGLE
FLORENCE E. DEVENS-LC VENDOR
TODD S. DEVENS-LC PURCHASER
CTH T CONSTRUCTION
RANDALL T. AND AMY J. DARABOSH
PERREN WAY
JASON J. AND JEFFREY J. SCHMOKER
GLENN S. AND PEGGY BIRDSALL
JAMES A. POELLINGER
ELAINE PETERSON
MARK E. AND JUDITH M. LENZ
BURIED ELECTRIC LINE (APPROXIMATE LOCATION)
SAW CUT REQUIRED
CONCRETE CURB AND GUTTER 30-INCH, TYPE D REQUIRED
P.L.
TLE
(REM.)
CTH T
EXISTING R/W
(REMOVE)
SLOPE INTERCEPTS
R/W LINE
STA. 34+80.46 CTH T = STA. 400+00 ROBERTS AVENUE
P.I.=43+45.95 CTH T
BURIED GAS LINE (APPROXIMATE LOCATION)
JUAN C. AND CYNTHIA T. LOZANO
THOMAS L. AND MARIBETH GABERT
DENNIS J. AND SANDRA J. FERGUSON
CARLTON W. AND GLADYS E. MARONN LIVING TRUST
CARLTON W. AND GLADYS E. MARONN LIVING TRUST
35 40 45 50 55 60 65

VCL 150.00
K = 203.83
VPC STA 35+50.00
VPC EL 792.58
VPI STA 36+25.00
VPI EL 792.30
VPT STA 37+00.00
VPT EL 792.58
36+24.74
792.44
+0.37 %
VCL 200.00
K = 446.27
VPC STA 38+50.00
VPC EL 793.13
VPI STA 39+50.00
VPI EL 793.50
VPT STA 40+50.00
VPT EL 794.32
EXISTING PROFILE
+0.82 %
FINISHED GRADE
K = 158.50
VCL 200.00
45+54.56
797.91
VPC STA 44+25.00
VPC EL 797.38
VPI STA 45+25.00
VPI EL 798.20
VPT STA 46+25.00
VPT EL 797.76
VCL 200.00
K = 148.03
VPC STA 46+50.00
VPC EL 797.64
VPI STA 47+50.00
VPI EL 797.20
47+15.79
797.50
+0.44 %
VPT STA 48+50.00
VPT EL 798.11
+0.91 %
VPC STA 54+25.00
VPC EL 803.32
VPI STA 55+00.00
VPI EL 804.00
VPT STA 55+75.00
VPT EL 804.29
EBS
K = 288.70
VCL 150.00
+0.39 %
STA. 60+09
1-28"X20" PACS REQ'D.

830 820 810 800 790 780 770

794.43	794.41	794.78	795.25	795.69	796.19	796.65	797.12	797.57	798.04	798.60	799.08	799.50	799.88	800.40	800.88	801.39	801.85	802.32	802.81	803.28	803.69	804.19	804.57	804.92	805.17	805.55	806.03	806.56	807.11	807.69
792.76	792.45	792.58	792.95	793.34	793.94	794.73	795.54	796.36	797.18	797.82	797.85	797.51	797.74	798.56	799.47	800.37	801.28	802.19	803.09	803.90	804.39	804.77	805.16	805.55	805.94	806.32	806.71	807.10	807.48	807.87
35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65

PROJECT NO: 41-0452.00	HWY: CTH T	COUNTY: WINNEBAGO	PLAN AND PROFILE	SHEET E

FILE NAME : $$....designfile....$$ PLOT DATE : $$...plottingdate...$$ PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 40

MARK E. AND JUDITH M. LENZ

JON E. AND DONNA M. MULLEN

SAW CUT REQUIRED TODD S. DEVENS

CONSTRUCTION LIMITS STA. 496+00

FLORENCE E. DEVENS-LC VENDOR
TODD S. DEVENS-LC PURCHASER

RALPH W. AND MARGARET MELTZ

CONCRETE CURB AND GUTTER
6-INCH SLOPED
36-INCH TYPE D REQ'D
(ALL FOUR QUADRANTS)
(SEE CONSTRUCTION DETAIL)

BURIED GAS LINE (APPROXIMATE LOCATION)

BURIED GAS LINE (APPROXIMATE LOCATION)

CTH T CONSTRUCTION ℄

EXISTING R/W

BROOKS RD

EXISTING R/W

ASPHALT

65 P.I. 75 P.I. 80 85 90 95

BARBARA BEISER

SLOPE INTERCEPT

R/W LINE (REM.) TLE

(REMOVE)

SLOPE INTERCEPT

(REM.) THOMAS J. AND MARY BETH WILLIAMS

DANIEL REISER

PAUL D. MATSCHE

WILLIAM J. AND DORIS L. WOLFGRAM

BURIED TELEPHONE CABLE (APPROXIMATE LOCATION)

DEREK A. AND KONNIK. SYTH

WILLIAM D. AND ELLEN E. PITSCH

SAW CUT REQUIRED

BURIED ELECTRIC LINE (APPROXIMATE LOCATION)

BURIED ELECTRIC LINE (APPROXIMATE LOCATION)

CONSTRUCTION LIMITS STA. 502+20

CARLTON W. AND GLADYS E. MARONN LIVING TRUST

STEVE AND MARCY CANNON

RALPH W. AND MARGARET MELTZ

BENCH MARKS			
NO.	STA.	DESCRIPTION	ELEV.
11	65+59	6" NAIL IN PP=3 50' S.OF PE HSE=5261	806.08
12	70+19	6" NAIL IN PP=1916-21R1,NW QUAD INT.	811.30
13	81+43	6" NAIL IN 15" OAK TREE, 31' LT.	822.59
14	93+27	6" NAIL IN PP=1916-21R23, 27' LT.	824.57

EXISTING PROFILE

FINISHED GRADE

VCL 200.00
K = 297.74

+0.39 %

+1.06 %

VPC STA 69+50.00
VPC EL809.61

VPI STA 70+50.00
VPI EL810.00

VPT STA 71+50.00
VPT EL811.06

EBS

STA. 73+00
1-49"X33"PACS REQ'D.
SKEW 40° LHF

STA. 73+10
1-49"X33"PACS REQ'D.
SKEW 40° LHF

VPC STA 78+00.00
VPC EL817.94

VPI STA 79+00.00
VPI EL819.00

VPT STA 80+00.00
VPT EL819.35

K = 280.64
VCL 200.00

STA. 84+32
1-35"X24" PACS REQ'D.

+0.35 %

VCL 200.00
K = 284.15

VPC STA 91+00.00
VPC EL823.15

VPI STA 92+00.00
VPI EL823.50

VPT STA 93+00.00
VPT EL824.55

BROOKS ROAD PROFILE

EXISTING PROFILE

FINISHED GRADE

VPOT 496+00 EL813.59

VPC 496+25 EL813.76

VPI 496+75 EL814.10

VPT 497+25 EL813.21

VPI 496+52.59 813.85

VCL 100.00 K = 40.57

VPI 499+82 EL808.62

VPC 500+25 EL808.48

VPI 500+00 EL808.98

VPI 500+50 EL807.98

VPT 500+75 EL807.86

VCL 50 = 32.82

VPOT 502+20 EL807.17

+0.68 %

-1.79 %

+0.48 %

807.69 807.87 | 808.31 808.26 | 808.81 808.65 | 809.45 809.03 | 810.12 809.42 | 810.70 809.85 | 811.29 810.57 | 811.81 811.59 | 812.26 812.65 | 812.99 813.71 | 813.75 814.76 | 814.70 815.82 | 815.85 816.88 | 816.74 817.94 | 817.40 818.82 | 818.04 819.35 | 818.51 819.69 | 818.90 820.04 | 819.22 820.38 | 819.55 820.73 | 819.86 821.08 | 820.24 821.42 | 820.58 821.77 | 820.90 822.12 | 821.23 822.46 | 821.51 822.81 | 821.92 823.15 | 822.40 823.68 | 823.11 824.55 | 824.21 825.60 | 825.37 826.65

65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95

PROJECT NO: 41-0452.00	HWY: CTH T	COUNTY: WINNEBAGO	PLAN AND PROFILE	SHEET E

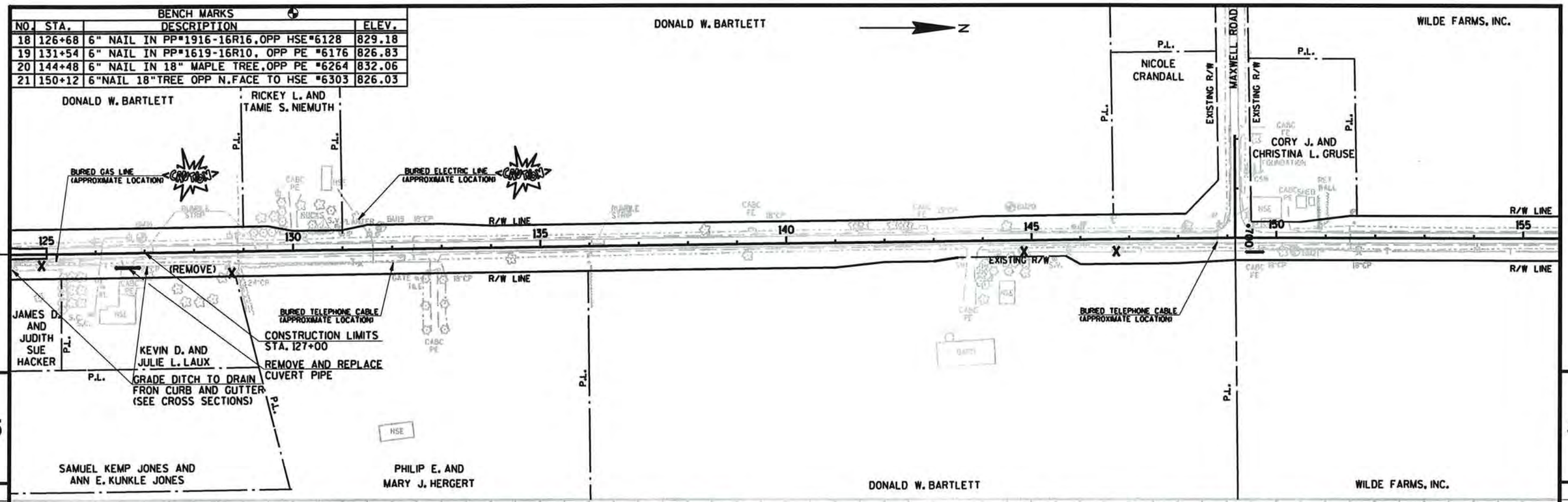
FILE NAME : ss....designfile....ss PLOT DATE : ss...plottingdate...ss PLOT BY : ss...plotuser...ss PLOT NAME : PLOT SCALE : ss.....plotscale.....ss WISDOT/CADDS SHEET 40

BENCH MARKS ⊕			
NO.	STA.	DESCRIPTION	ELEV.
15	99+78	6" 18" MAPLE TREE OPP HSE# 5434 33' LT	830.87
16	111+47	6" NAIL IN PP#1916-2124. 25' LT.	837.79
17	122+02	6"NAIL IN LPOL IN TOWN HALL LOT 109'LT	837.84

PROJECT NO: 41-0452.00	HWY: CTH T	COUNTY: WINNEBAGO	PLAN AND PROFILE	SHEET 88	E

FILE NAME : $$....designfile....$$ PLOT DATE : $$...plottingdate...$$ PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 40

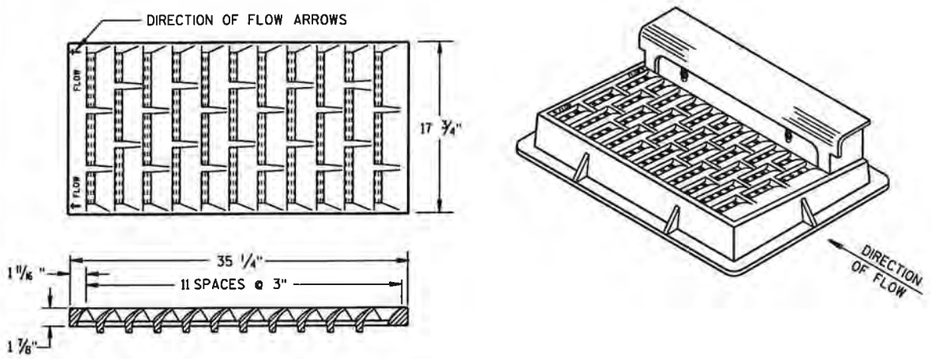
BENCH MARKS			
NO.	STA.	DESCRIPTION	ELEV.
18	126+68	6" NAIL IN PP"1916-16R16, OPP HSE"6128	829.18
19	131+54	6" NAIL IN PP"1619-16R10, OPP PE "6176	826.83
20	144+48	6" NAIL IN 18" MAPLE TREE, OPP PE "6264	832.06
21	150+12	6"NAIL 18"TREE OPP N.FACE TO HSE "6303	826.03



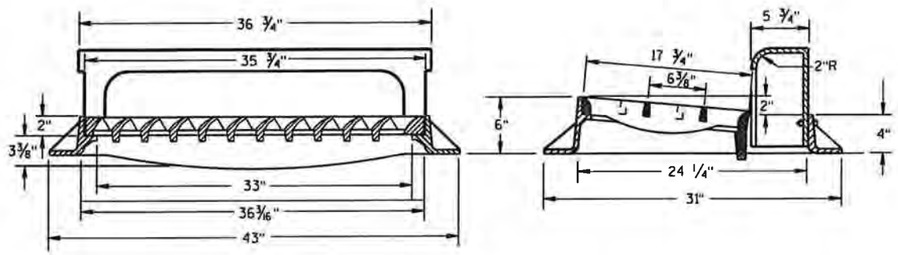
PROJECT NO: 41-0452.00	HWY: CTH T	COUNTY: WINNEBAGO	PLAN AND PROFILE	SHEET E

FILE NAME : $$....designfile....$$ PLOT DATE : $$...plottingdate...$$ PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 40

NOTE:
GRATE IS REVERSIBLE.



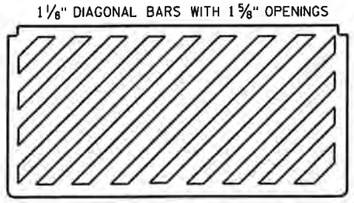
NOTE: CURB BOX HEIGHT ADJUSTABLE 6" TO 9"



TYPE "H"

(APPROXIMATE WEIGHT 422 LBS.)
FRAME..... 175 LBS.
GRATE..... 138 LBS.
CURB BOX..... 109 LBS.

1⅛" DIAGONAL BARS WITH 1⅝" OPENINGS



SPECIAL GRATE FOR TYPE "H" COVER

(MEASURES 35 ¼" X 17 ¾" X 2")
(APPROXIMATE WEIGHT 172 LBS.)
GRATE..... 172 LBS.

(NOTED AS TYPE H-S ON DRAINAGE TABLE)

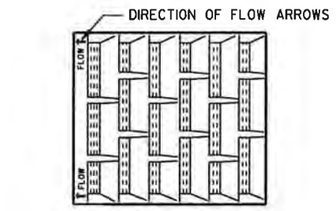
GENERAL NOTES

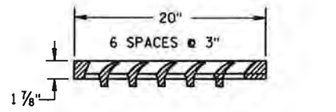
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

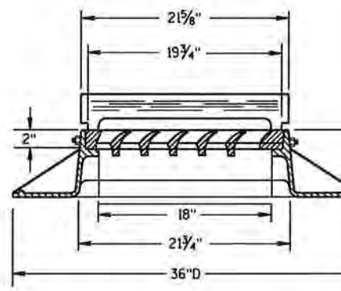
DETAIL DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR CATCH BASIN, MANHOLE AND INLET COVERS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

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

THE ACTUAL WEIGHT OF COVERS MAY VARY WITHIN 5 PERCENT, PLUS OR MINUS, OF THE APPROXIMATE WEIGHT.

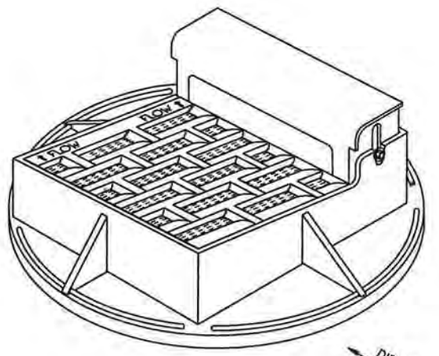






TYPE "A"

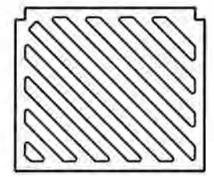
(APPROXIMATE WEIGHT 325 LBS.)
FRAME..... 157 LBS.
GRATE..... 84 LBS.
CURB BOX..... 84 LBS.



NOTE: CURB BOX ADJUSTABLE 4" TO 9"

NOTE:
GRATE IS REVERSIBLE.

1" DIAGONAL BARS WITH 1½" OPENINGS



SPECIAL GRATE FOR TYPE "A" COVER

(MEASURES 19 ¾" X 17" X 1 ⅞"
GRATE..... 84 LBS.

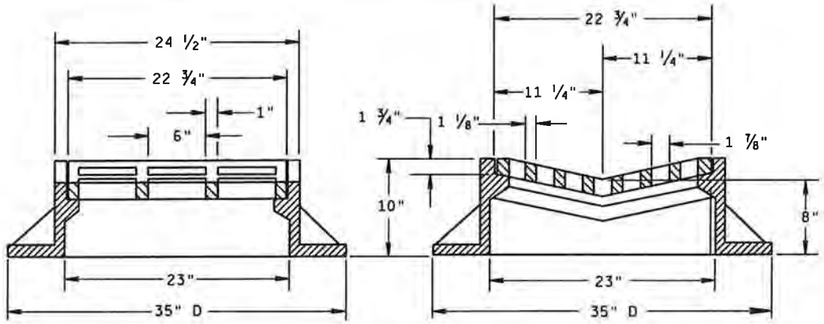
(NOTED AS TYPE A-S ON DRAINAGE TABLE)

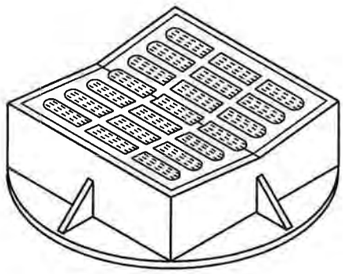
INLET COVERS
TYPE A, H, A-S, & H-S

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
10/4/1999 DATE
/S/ Rory L. Rhinesmith
CHIEF ROADWAY DESIGN ENGINEER
FHWA

6
S.D.D. 8 A 5-16a

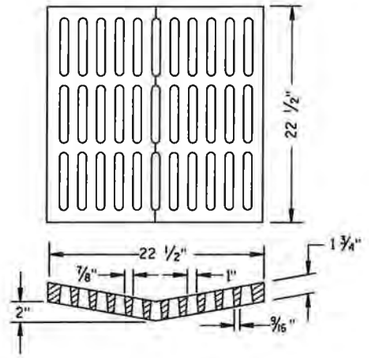




TYPE "B"

(APPROXIMATE WEIGHT 395 LBS.)

FRAME..... 285 LBS.
GRATE..... 110 LBS.

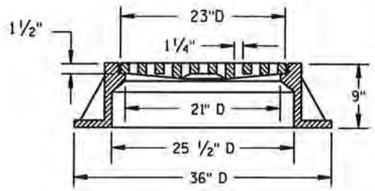


ALTERNATIVE GRATE FOR TYPE "B" COVER

(APPROXIMATE GRATE WEIGHT 125 LBS.)
GRATE.....125 LBS.

USE WHERE PEDESTRIAN OR BICYCLE TRAFFIC IS POSSIBLE.

NOTED AS TYPE B-A ON THE DRAINAGE TABLE



TYPE "C"

(APPROXIMATE WEIGHT 340 LBS.)

FRAME..... 235 LBS.
GRATE..... 105 LBS.

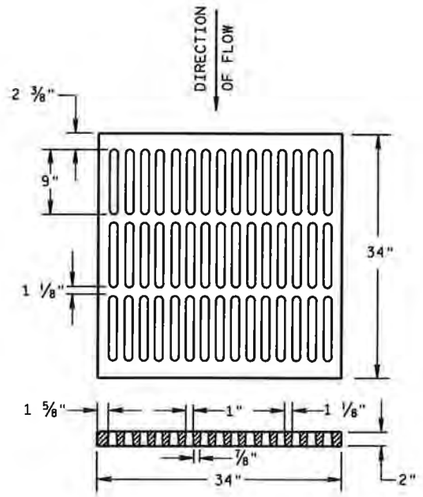
GENERAL NOTES

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

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

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

THE ACTUAL WEIGHT OF COVERS MAY VARY WITHIN 5 PERCENT, PLUS OR MINUS, OF THE APPROXIMATE WEIGHT.

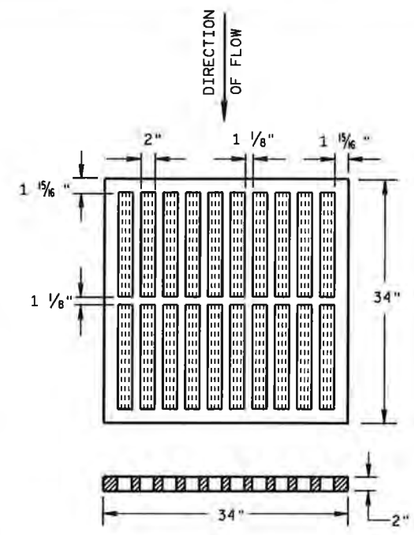


ALTERNATIVE TYPE "MS"

(APPROXIMATE GRATE WEIGHT 365 LBS.)
GRATE.....365 LBS.

USE WHERE PEDESTRIAN OR BICYCLE TRAFFIC IS PERMITTED

NOTED AS TYPE MS-A ON THE DRAINAGE TABLE

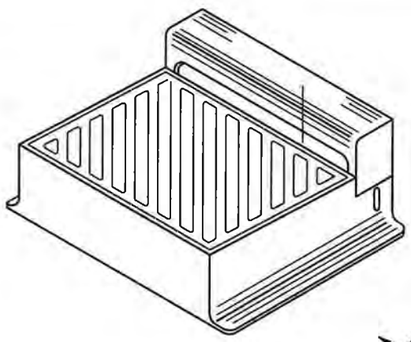


TYPE "MS"

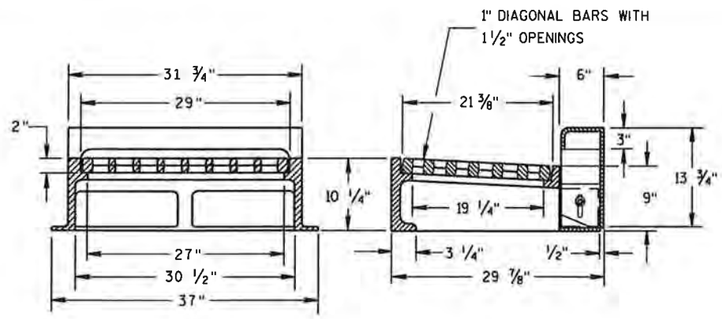
(APPROXIMATE GRATE WEIGHT 270 LBS.)
GRATE.....270 LBS.

USE ON FREEWAYS AND EXPRESSWAYS

NOTED AS TYPE MS ON DRAINAGE TABLE



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



NOTE: CURB BOX HEIGHT ADJUSTABLE 6" TO 9"

TYPE "WM"

(APPROXIMATE WEIGHT 670 LBS.)

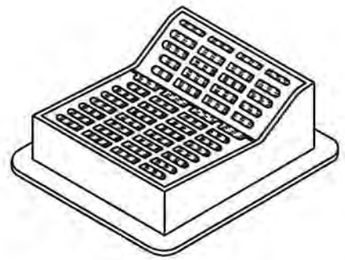
FRAME..... 360 LBS.
GRATE..... 160 LBS.
CURB BOX..... 150 LBS.

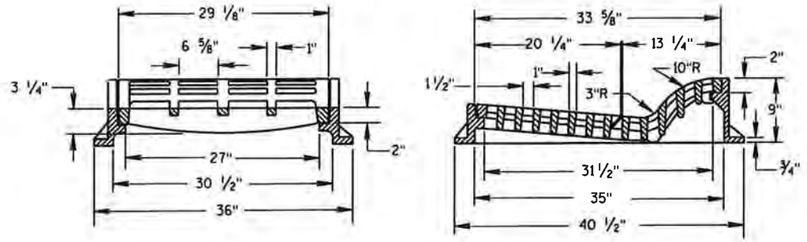
INLET COVERS
TYPE B, B-A, C, MS, MS-A, & WM

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
10/4/1999 DATE
/S/ Rory L. [illegible]
CHEIF ROADWAY DE[illegible]INEER
FHWA

6
S.D.D. 8 A 5-16b

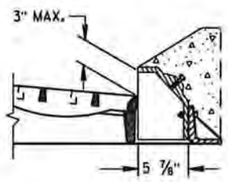




TYPE "F"

(APPROXIMATE WEIGHT 645 LBS.)
FRAME.....300 LBS.
GRATE.....165 LBS.
GRATE.....180 LBS.

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



ALTERNATIVE CURB BOX FOR TYPE "HM" COVER

(APPROXIMATE WEIGHT 79 LBS.)
CURB BOX.....79 LBS.

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

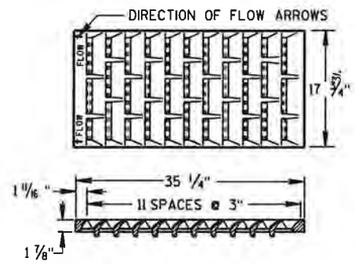
NOTE:
SPECIAL GRATE FOR THE
TYPE "H" COVER MAY ALSO BE
USED FOR THE TYPE "HM-GJ" COVER
NOTED AS TYPE HM-GJ-S ON DRAINAGE TABLE

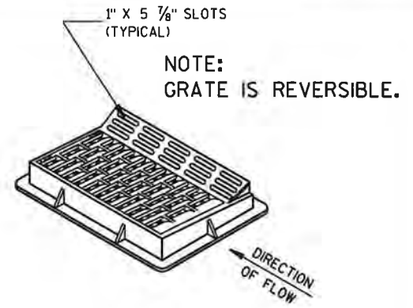
GENERAL NOTES

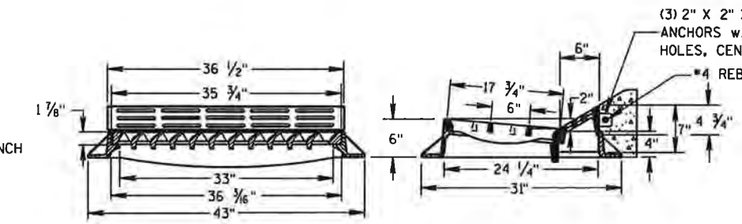
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

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

THE ACTUAL WEIGHT OF COVERS MAY VARY WITHIN 5 PERCENT, PLUS OR MINUS, OF THE APPROXIMATE WEIGHT.





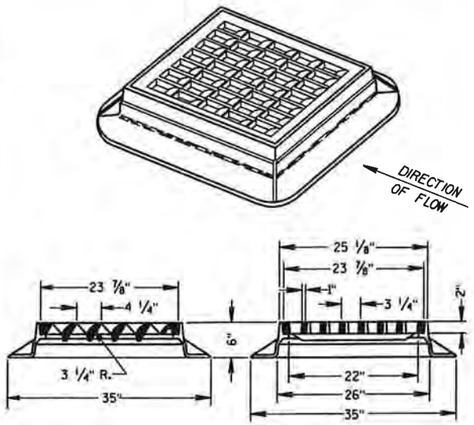


TYPE "HM"

(APPROXIMATE WEIGHT 375 LBS.)
FRAME.....175 LBS.
GRATE.....138 LBS.
CURB BOX.....62 LBS.

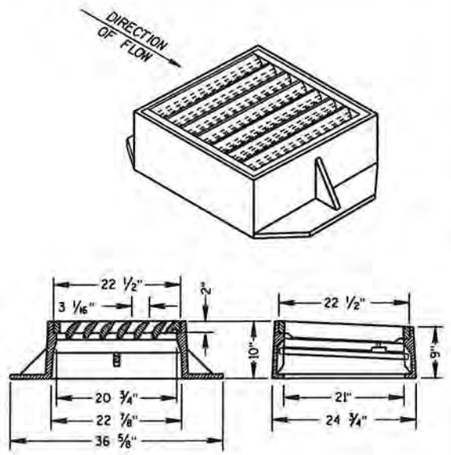
USE WITH TYPES A & D CONCRETE CURB & GUTTER, 36 INCH.

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



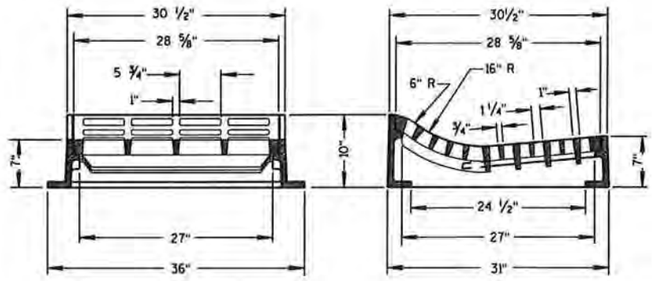
TYPE "S"

(APPROXIMATE WEIGHT 334 LBS.)
FRAME.....165 LBS.
GRATE.....169 LBS.



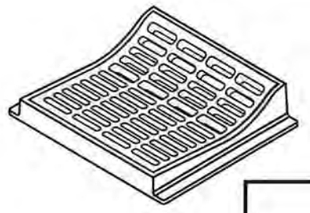
TYPE "V"

(APPROXIMATE WEIGHT 405 LBS.)
FRAME.....270 LBS.
GRATE.....130 LBS.
SAFETY BAR.....5 LBS.



TYPE "T"

(APPROXIMATE WEIGHT 530 LBS.)
FRAME.....270 LBS.
GRATE.....260 LBS.
USE WITH TYPES R & T CONCRETE CURB & GUTTER, 36 INCH.

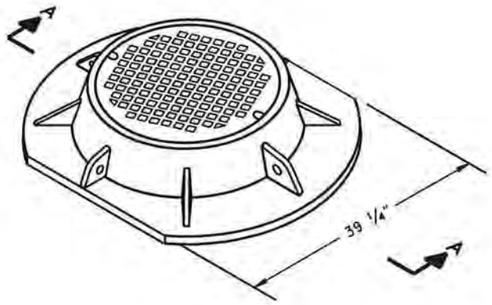


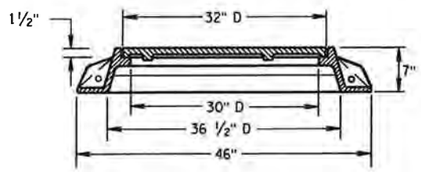
INLET COVERS TYPE F, HM, HM-S, S, T, V, HM-GJ, & HM-GJ-S

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
1/7/08 DATE
/S/ Jerry [illegible] ROADWAY STANDARDS ENGINEER
FHWA

8A5 sheet d: Inlet Cover, Type Z Manhole Covers, Type K, J, J-S, L & M



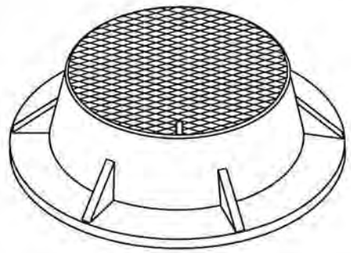


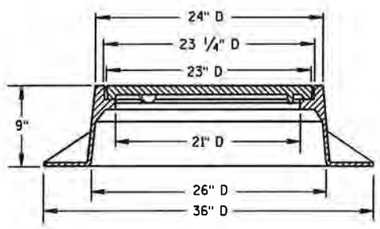
SECTION A-A

TYPE "K"

(APPROXIMATE WEIGHT 415 LBS.)

FRAME.....210 LBS.
LID.....205 LBS.

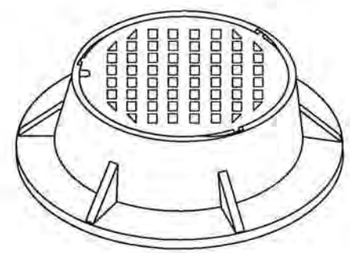


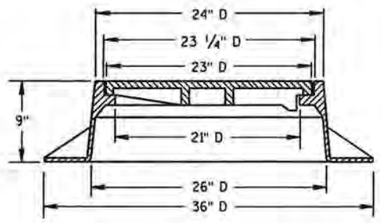


TYPE "J"

(APPROXIMATE WEIGHT 250 LBS.)

FRAME.....135 LBS.
LID.....115 LBS.





TYPE "J" SPECIAL

TYPE "B" NON-ROCKING SELF-SEAL LID

(APPROXIMATE WEIGHT 245 LBS.)

FRAME.....145 LBS.
LID.....100 LBS.

(NOTED AS TYPE J-S ON THE DRAINAGE TABLE)

GENERAL NOTES

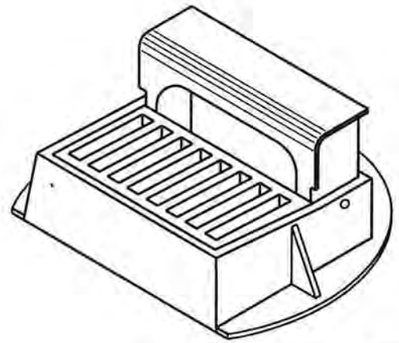
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

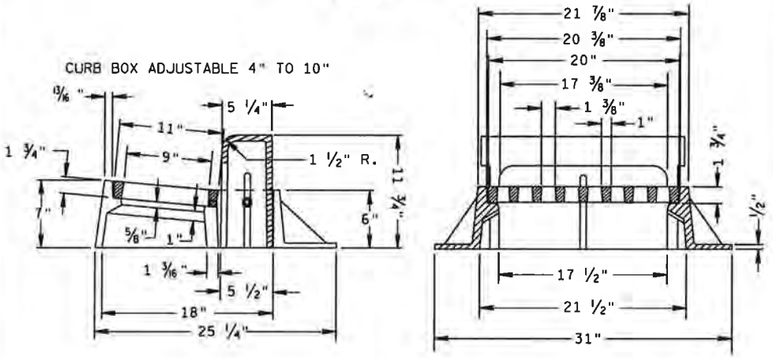
DETAIL DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR MANHOLE COVERS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

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

THE ACTUAL WEIGHT OF COVERS MAY VARY WITHIN 5 PERCENT, PLUS OR MINUS, OF THE APPROXIMATE WEIGHT.

(1) MANUFACTURER MAY PROVIDE ADDITIONAL SEALS OR GASKETS.

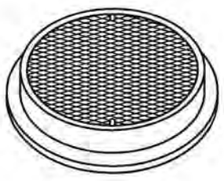


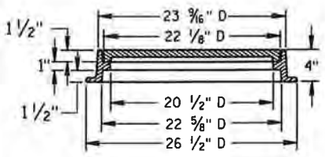


INLET COVER TYPE "Z"

(APPROXIMATE WEIGHT 340 LBS.)

FRAME.....198 LBS.
GRATE.....50 LBS.
CURB BOX.....92 LBS.

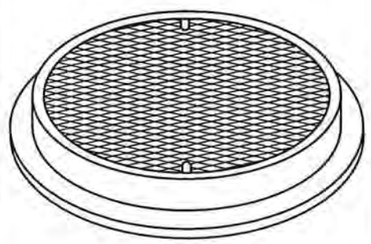


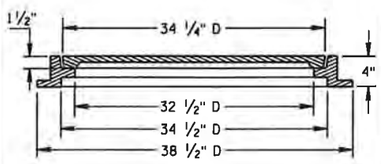


TYPE "L"

(APPROXIMATE WEIGHT 145 LBS.)

FRAME.....75*
LID.....70*

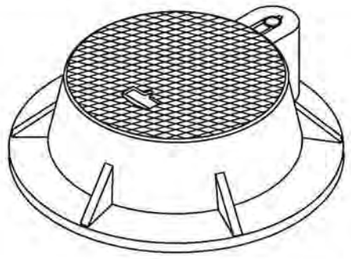


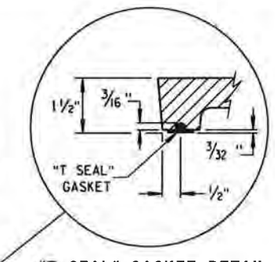


TYPE "M"

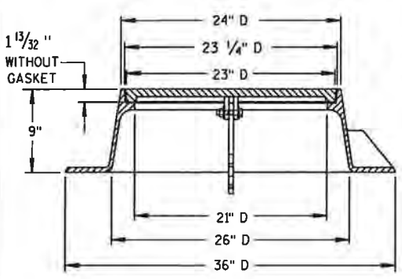
(APPROXIMATE WEIGHT 385 LBS.)

FRAME.....125*
LID.....260*





"T SEAL" GASKET DETAIL



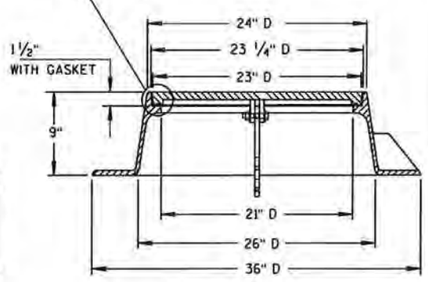
TYPE "J" HINGED

LID WITHOUT "T SEAL" GASKET

(APPROXIMATE WEIGHT 310 LBS.)

FRAME.....190 LBS.
LID.....120 LBS.

(NOTED AS TYPE J-H ON THE DRAINAGE TABLE)



TYPE "J" HINGED-SPECIAL (1)

LID WITH "T SEAL" GASKET

(APPROXIMATE WEIGHT 310 LBS.)

FRAME.....190 LBS.
LID.....120 LBS.

(NOTED AS TYPE J-S-H ON THE DRAINAGE TABLE)

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

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

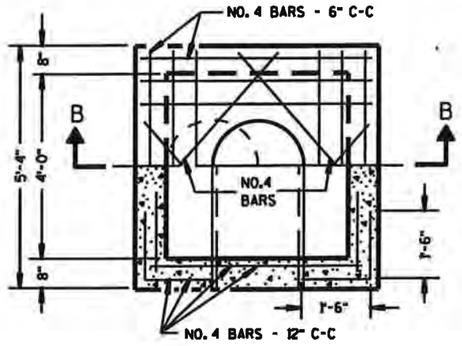
APPROVED
11/24/2005 DATE
/S/ Beth [illegible]
CHIEF ROADWAY DE 93 IEER
FHWA

6

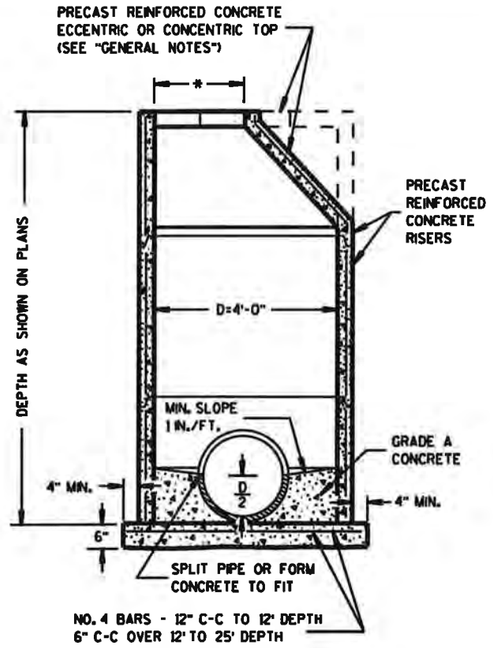
S.D.D. 8 A 5-17d

6

S.D.D. 8 A 5-17d



HALF SECTION A-A



PRECAST REINFORCED CONCRETE

GENERAL NOTES

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

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

ALL DRAINAGE STRUCTURES ARE DESIGNATED ON THE PLANS AS "MANHOLES 1-C", "CATCH BASINS 1-B", "INLETS 3-H", ETC. THE FIRST DIGIT DESIGNATES THE MASONRY PORTION OF THE STRUCTURE, AND THE FOLLOWING LETTER DESIGNATES THE TYPE OF COVER TO BE USED TO COMPRISE THE COMPLETE UNIT.

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

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

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

STEPS CONFORMING TO AASHTO M 199 SHALL BE INSTALLED IN ALL STRUCTURES OVER 5 FEET IN DEPTH.

SOLID ALUMINUM STEPS SHALL HAVE A MINIMUM CROSS SECTIONAL DIMENSION OF 0.75 INCH. ALUMINUM SURFACES TO BE EMBEDDED IN CONCRETE SHALL BE GIVEN ONE COAT OF SUITABLE QUALITY PAINT, SUCH AS ZINC CHROMATE PRIMER CONFORMING TO FEDERAL SPECIFICATION TT-P-645 OR EQUIVALENT.

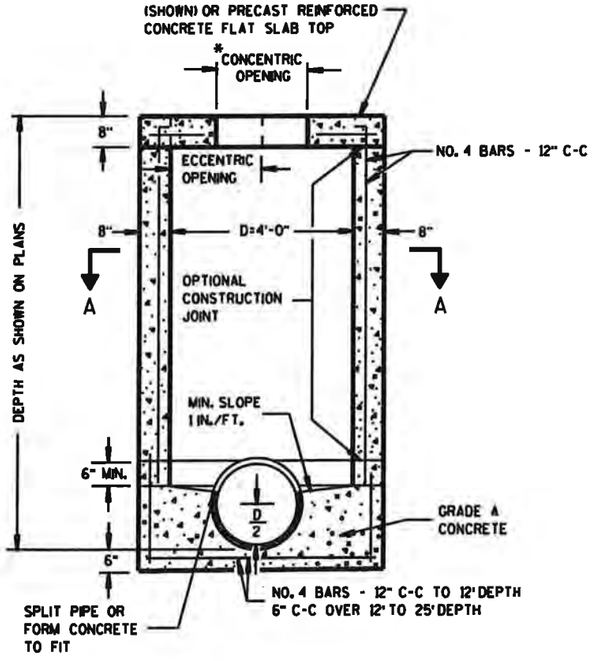
ALL BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2 INCHES CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

PRECAST REINFORCED CONCRETE RISERS MAY BE PLACED WITH TONGUE UP OR DOWN.

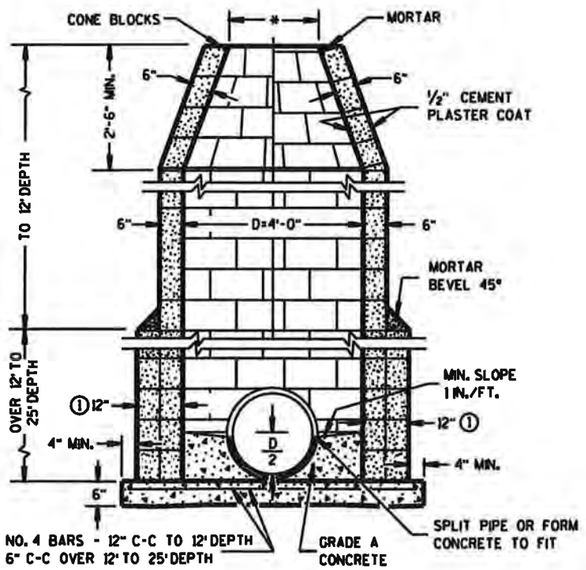
ALL PRECAST INLET UNITS AND MANHOLES SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF AASHTO DESIGNATION M 199.

* USE 2'-0" DIAMETER OPENING WITH TYPE "C", "L" AND "J" COVERS, OR 3'-0" DIAMETER WITH TYPE "K" AND "M" COVERS.

① 2 COURSES 6" BLOCK.



SECTION B-B
REINFORCED CONCRETE



CONCRETE BLOCK

MANHOLES TYPE 1

MANHOLES TYPE I

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
9/9/05 — DATE
/S/ Jerry M. Zogg
ROADWAY STANDARDS ENGINEER
FHWA

6

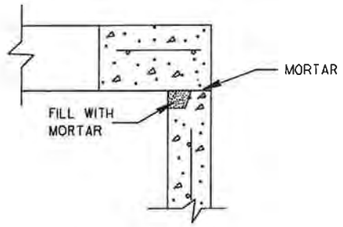
6

S.D.D. 8 B 6-4

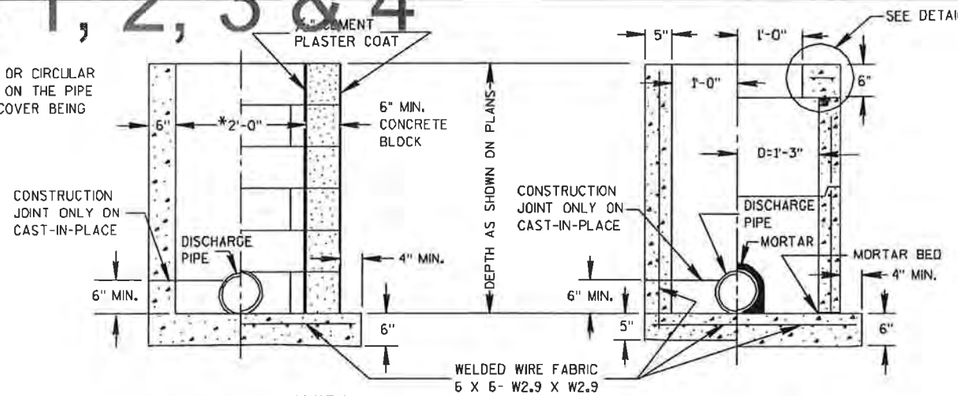
S.D.D. 8 B 6-4

3C1: Inlets Type 1, 2, 3 & 4

*SELECTION OF SQUARE OR CIRCULAR DESIGN WILL BE BASED ON THE PIPE SIZES AND THE INLET COVER BEING UTILIZED



DETAIL "A"



INLETS TYPE 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.

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

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

ALL DRAINAGE STRUCTURES ARE DESIGNATED ON THE PLANS AS "MANHOLES I-C", "CATCH BASINS I-B", "INLETS 3-H", ETC. THE FIRST DIGIT DESIGNATES THE MASONRY PORTION OF THE STRUCTURE, AND THE FOLLOWING LETTER DESIGNATES THE TYPE OF COVER TO BE USED TO COMPRISE THE COMPLETE UNIT.

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

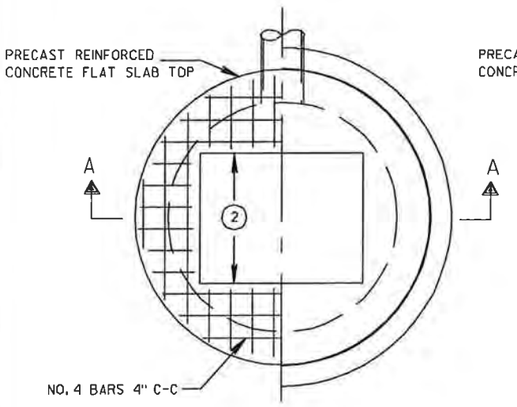
PRECAST REINFORCED CONCRETE FLAT SLAB TOPS MAY BE USED ON THE STRUCTURES. THE TOPS SHALL BE INSTALLED ON A BED OF MORTAR.

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

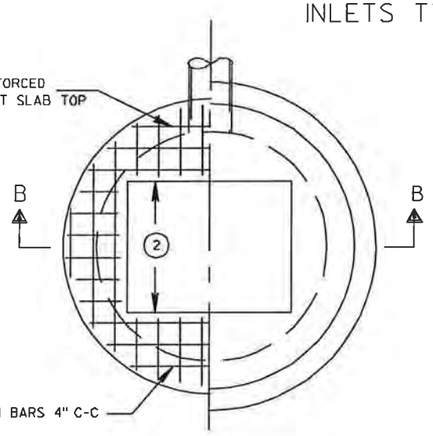
PRECAST REINFORCED CONCRETE RISERS SHALL BE PLACED WITH TONGUE DOWN.

(1) USE 2'-6" OPENING FOR TYPE 2 INLETS, 3'-0" OPENING FOR TYPE 3 INLETS, AND 2'-11" FOR TYPE 4 INLETS.

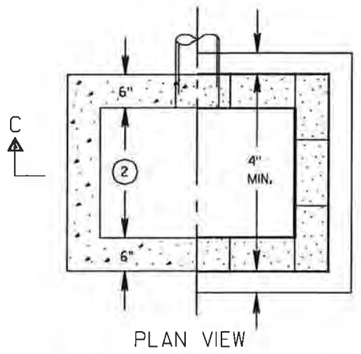
(2) USE 2'-0" OPENING FOR TYPE 1, 2 & 3 INLETS, 2'-6½" OPENING FOR TYPE 4 INLETS.



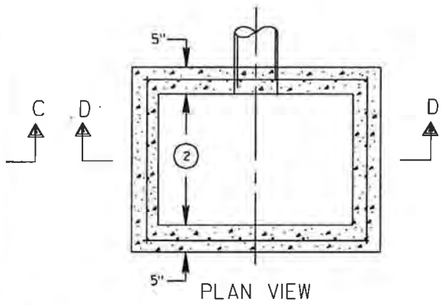
PLAN VIEW



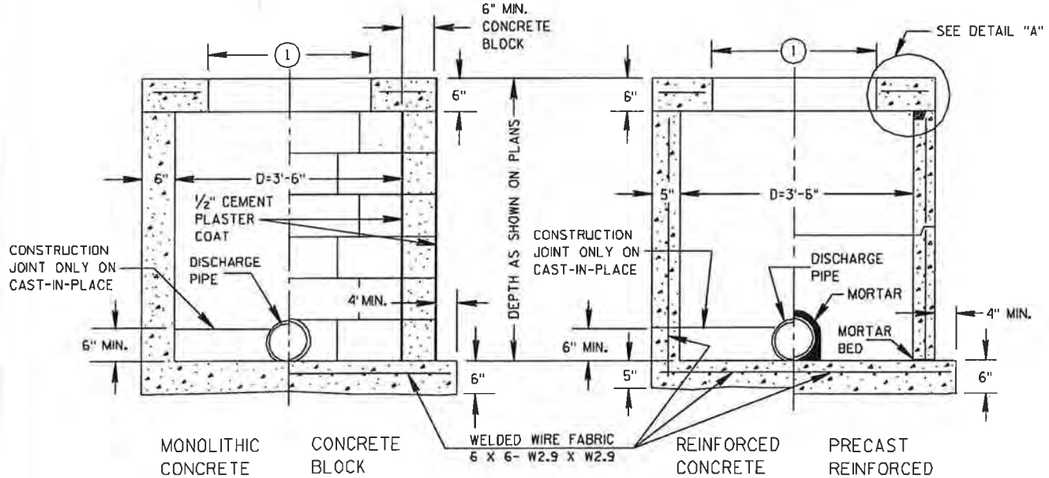
PLAN VIEW



PLAN VIEW

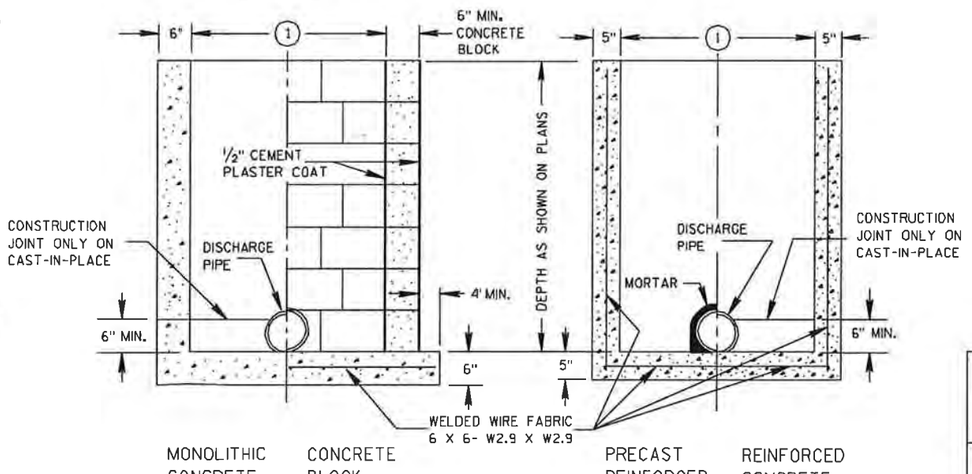


PLAN VIEW



SECTION A-A

SECTION B-B



SECTION C-C

SECTION D-D

INLETS TYPE 2, 3 & 4

INLETS TYPE 1, 2, 3 & 4

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

DATE — CHIEF ROADWAY DEVELOPMENT ENGINEER

FHWA

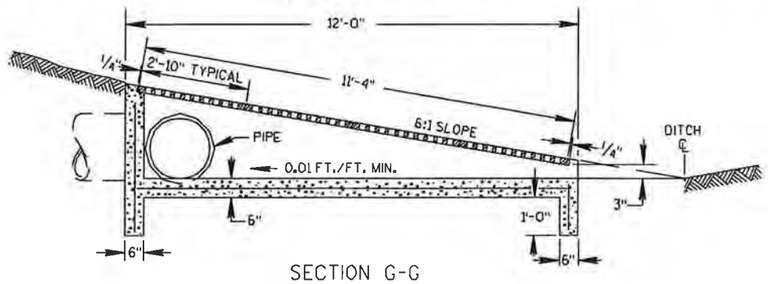
APPROVED — DATE — STATE MATL'S ENGINEER FOR HWYS

APPROVED — DATE — STATE CONST. ENGINEER FOR HWYS

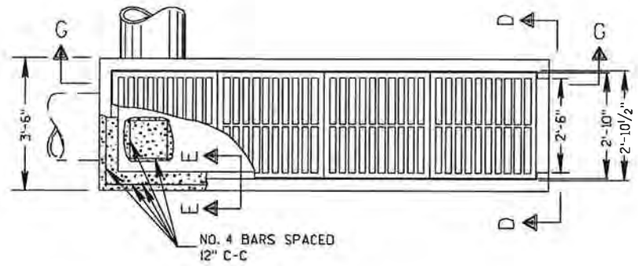
APPROVED — DATE — STATE DESIGN ENGINEER FOR HWYS

S.D.D. 8 C 1-5

8C5: Inlets Type 8, 9, 10 and 11

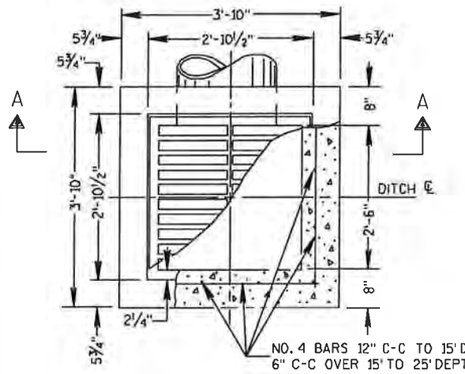


SECTION G-G

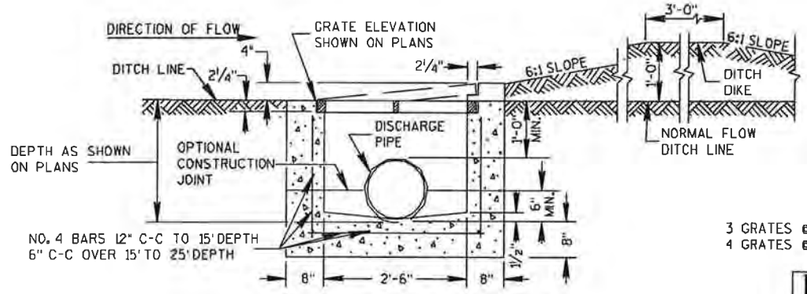


PLAN VIEW

REINFORCED CONCRETE INLET TYPE 11



PLAN VIEW



SECTION A-A

REINFORCED CONCRETE INLET TYPE 8

GENERAL NOTES

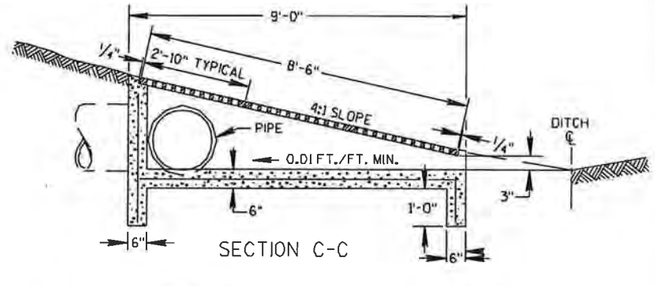
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

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

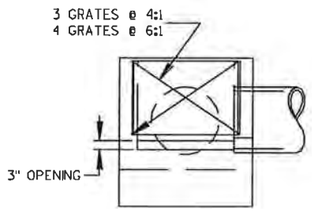
PRECAST REINFORCED CONCRETE INLET UNITS, IF USED, SHALL CONFORM TO THE REQUIREMENTS OF THE CATCH BASINS, MANHOLES AND INLETS SECTION OF THE STANDARD SPECIFICATIONS. UNLESS OTHERWISE AUTHORIZED IN WRITING BY THE ENGINEER, THE CONTRACTOR SHALL NOT ORDER AND DELIVER PRECAST INLET UNITS REQUIRED FOR THE PROJECT UNTIL A CORRECTED LIST OF SIZES IS FURNISHED BY THE ENGINEER.

ALL INLETS ARE DESIGNATED ON THE PLANS AS "INLETS, 8-MS", ETC. THIS DESIGNATION IS INTERPRETED TO MEAN THAT THE NUMBER, OR FIRST DIGIT DESIGNATES THE MASONRY PORTION OF THE STRUCTURE AND THE FOLLOWING LETTER DESIGNATES THE TYPE OF COVER OR IRON CASTING TO BE USED THEREWITH TO COMPRISE THE COMPLETE UNIT.

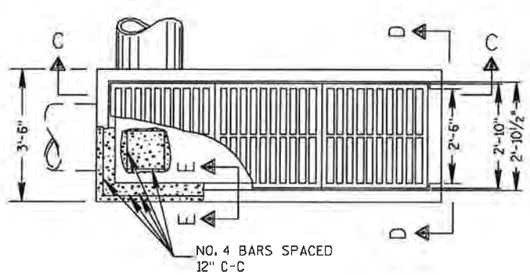
ALL BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2 INCHES CLEAR UNLESS OTHERWISE SHOWN OR NOTED.



SECTION C-C

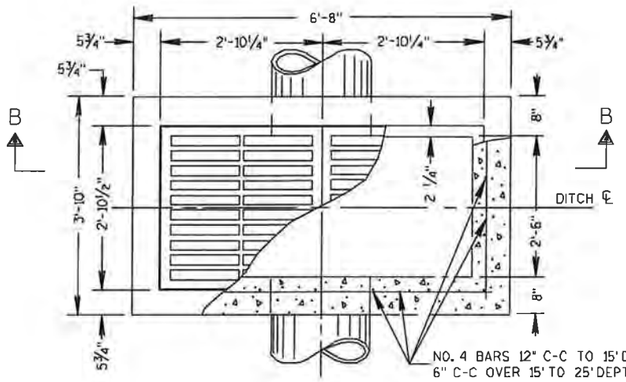


SECTION D-D

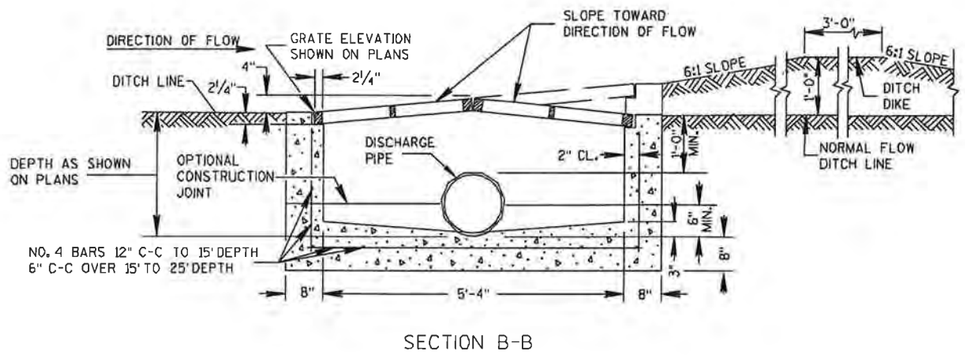


PLAN VIEW

REINFORCED CONCRETE INLET TYPE 10

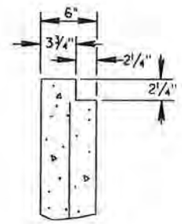


PLAN VIEW



SECTION B-B

REINFORCED CONCRETE INLET TYPE 9



SECTION E-E

INLETS TYPE 8, 9, 10 AND 11

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

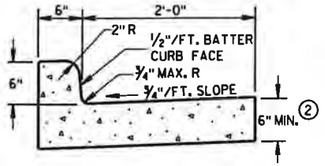
APPROVED

DATE CHIEF ROADWAY DEVELOPMENT ENGINEER

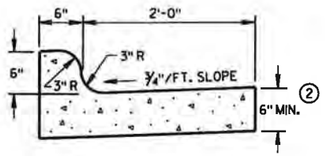
FHWA

APPROVED
DATE STATE CONST. ENGINEER FOR HWYS

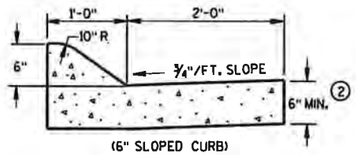
S.D.D. 8 C 5-2



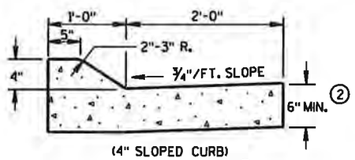
TYPES A & D ①



TYPES K & L ①

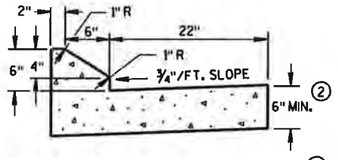


(6" SLOPED CURB)

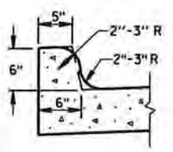


(4" SLOPED CURB)

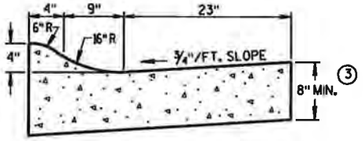
TYPES A & D ①



6" SLOPED CURB TYPES G & J ①

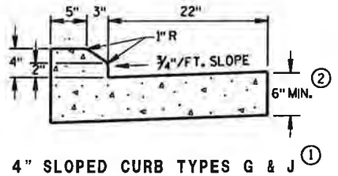


OPTIONAL CURB SHAPE FOR TYPES K & L ①



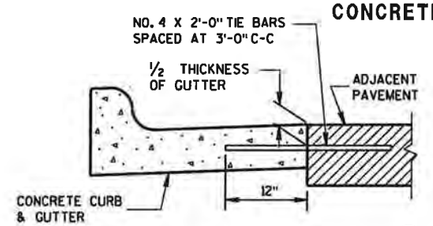
4" SLOPED CURB TYPES R & T ①④

CONCRETE CURB & GUTTER 36"

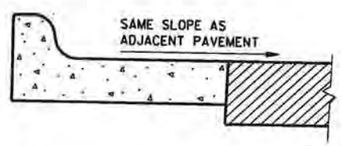


4" SLOPED CURB TYPES G & J ①

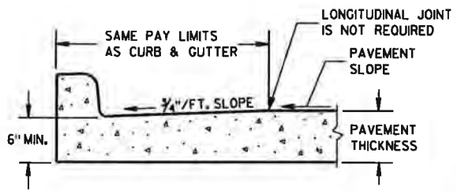
CONCRETE CURB & GUTTER 30"



TYPICAL TIE BAR LOCATION ①



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



PARTIAL SECTION OF PAVEMENT WITH INTEGRAL CURB & GUTTER

GENERAL NOTES

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

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

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

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

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

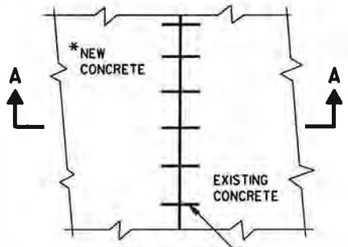
① TIE BARS ARE REQUIRED FOR CURB AND GUTTER TYPES A, C, K AND R.

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

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

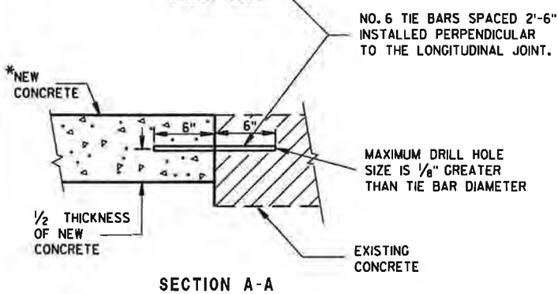
④ THE FACE OF CURB IS 6" FROM THE BACK OF CURB.

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



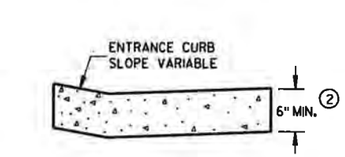
PLAN VIEW

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

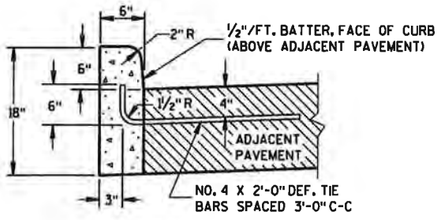


SECTION A-A

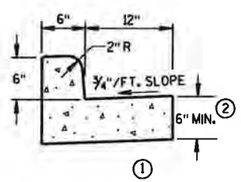
TIE BARS DRILLED INTO EXISTING PAVEMENT



DRIVEWAY ENTRANCE CURB
(WHEN DIRECTED BY THE ENGINEER)

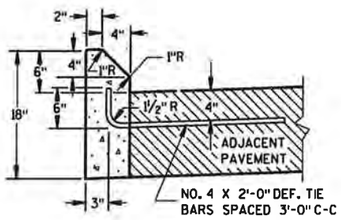


① TYPES A & D

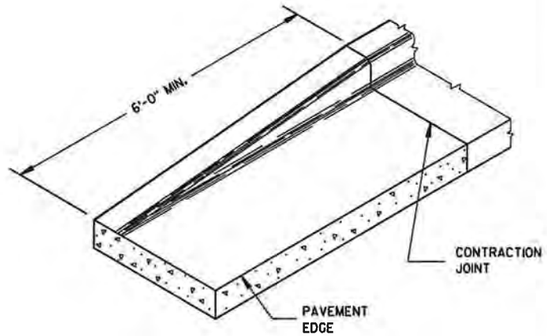


① TYPES A & D

CONCRETE CURB & GUTTER 18"



① TYPES G & J



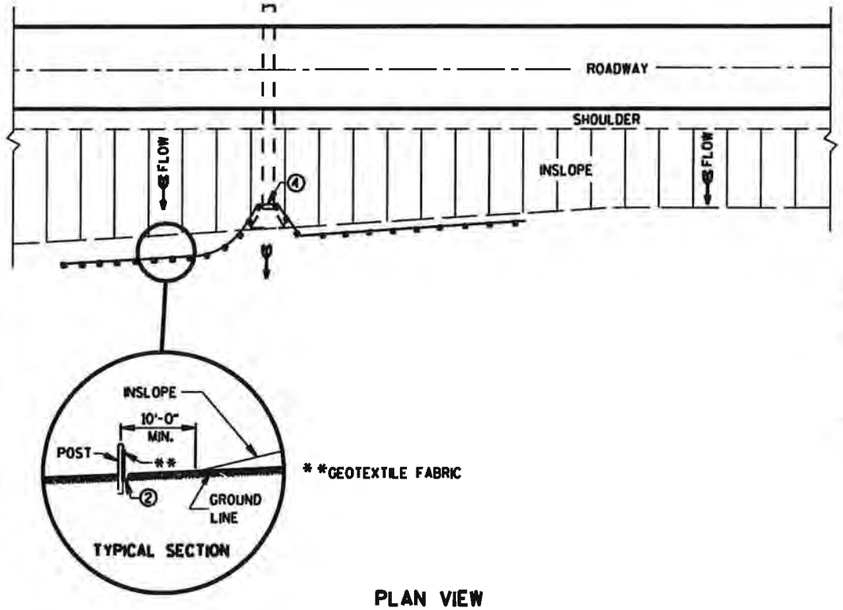
END SECTION CURB & GUTTER

CONCRETE CURB

CONCRETE CURB, CONCRETE CURB & GUTTER AND TIES	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED 9/4/08 DATE FHWA	/S/ Jerry H. Zogg ROADWAY STANDARDS DEVELOPMENT ENGINEER

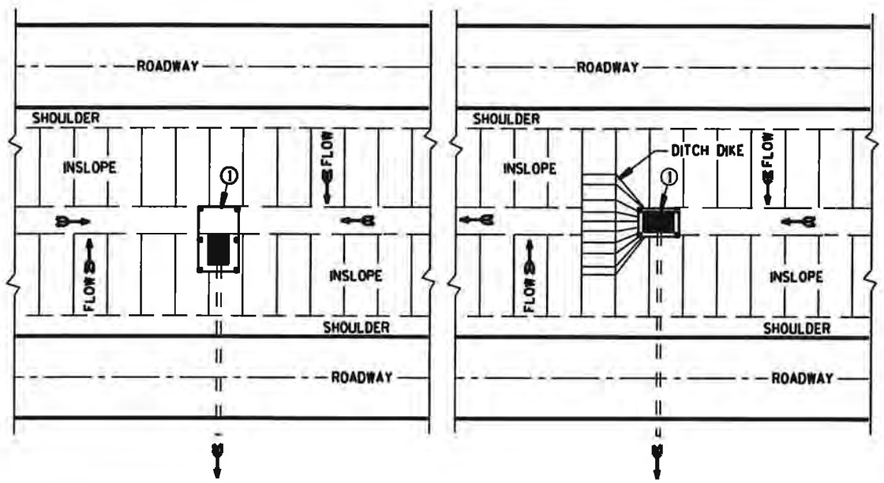
6

S.D.D. 8 D 1-17



PLAN VIEW

TYPICAL APPLICATION OF SILT FENCE



SITUATION 1 SITUATION 2

PLAN VIEW

SILT FENCE AT MEDIAN SURFACE DRAINS

GENERAL NOTES

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

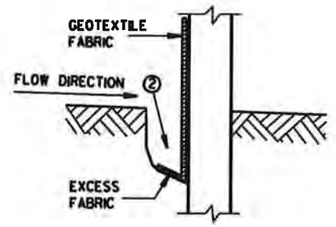
① HORIZONTAL BRACE REQUIRED WITH 2" X 4" WOODEN FRAME OR EQUIVALENT AT TOP OF POSTS.

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

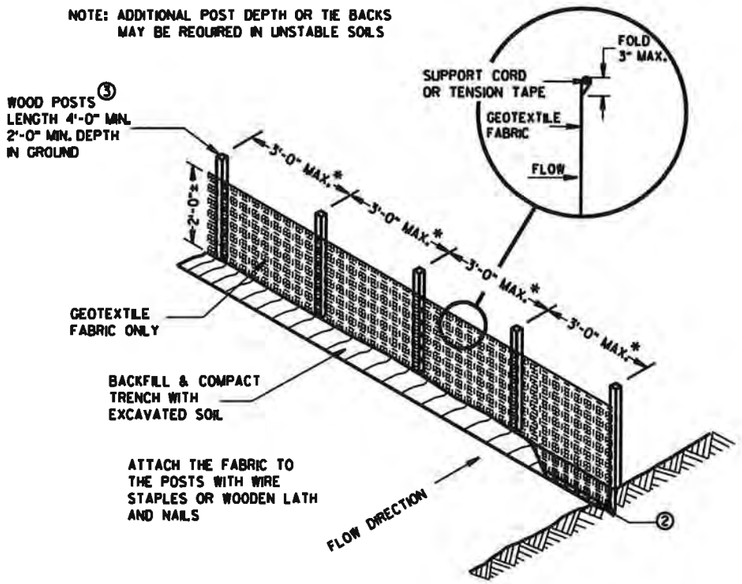
③ WOOD POSTS SHALL BE A MINIMUM SIZE OF 1⅛" X 1⅛" OF OAK OR HICKORY.

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

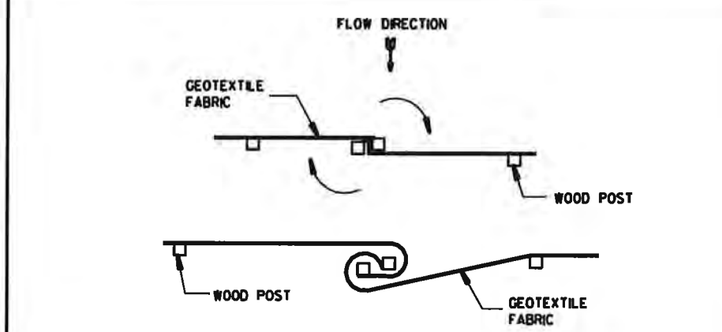
⑤ CONSTRUCT SILT FENCE FROM A CONTINUOUS ROLL IF POSSIBLE BY CUTTING LENGTHS TO AVOID JOINTS. IF A JOINT IS NECESSARY USE ONE OF THE FOLLOWING TWO METHODS: A) OVERLAP THE END POSTS AND TWIST, OR ROTATE, AT LEAST 180 DEGREES, B) HOOK THE END OF EACH SILT FENCE LENGTH.



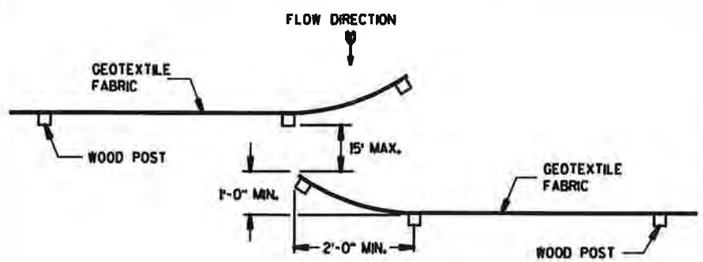
TRENCH DETAIL



SILT FENCE

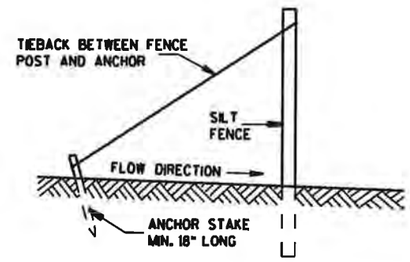


TWIST METHOD



HOOK METHOD

JOINING TWO LENGTHS OF SILT FENCE ⑤



SILT FENCE TIE BACK

(WHEN REQUIRED BY THE ENGINEER)

6

SILT FENCE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

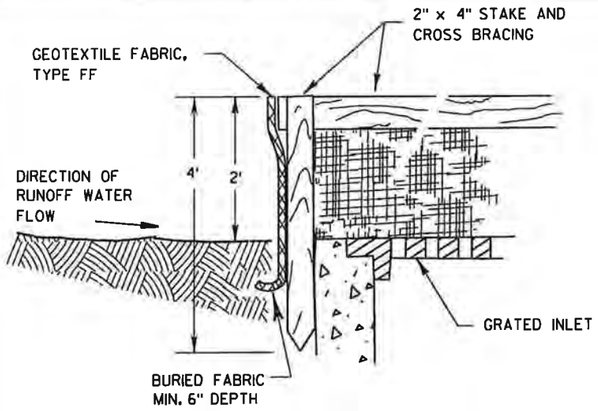
APPROVED

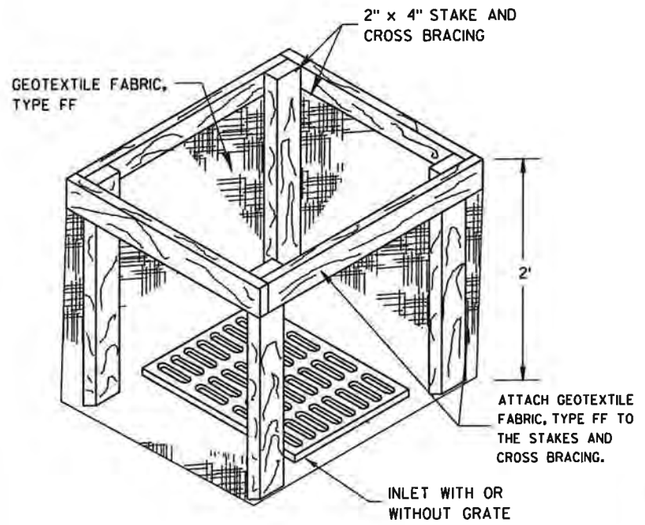
DATE CHIEF ROADWAY DEVELOPMENT ENGINEER

FHWA

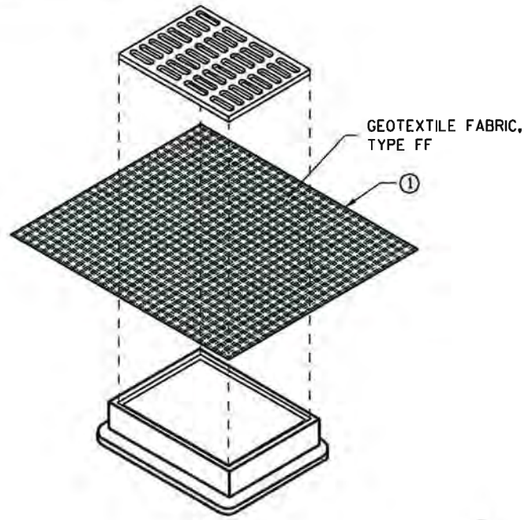
S.D.D. 8 E 9-6

S.D.D. 8 E 9-6



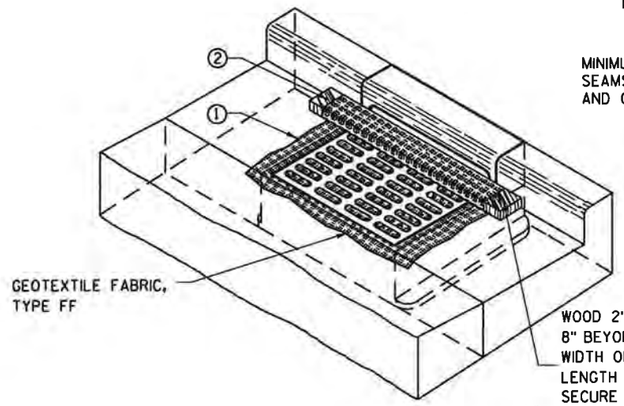


INLET PROTECTION, TYPE A

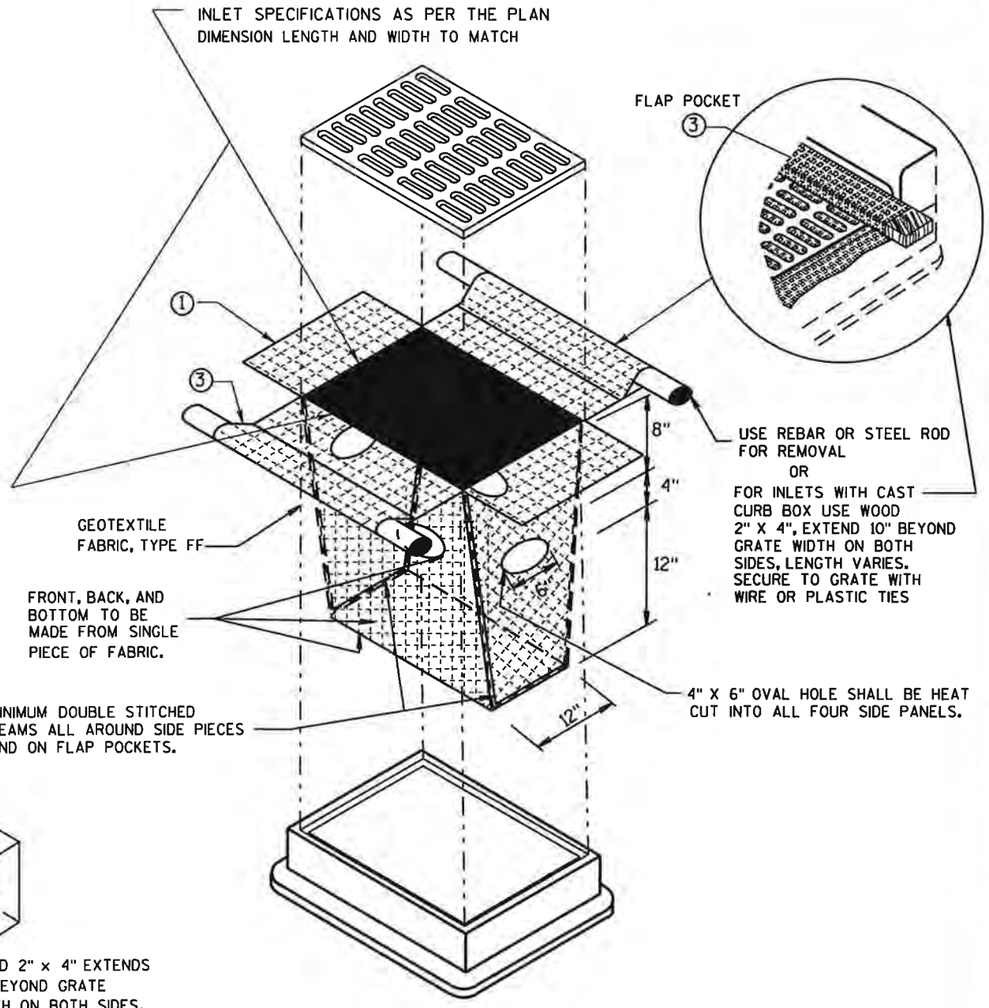


INLET PROTECTION, TYPE B (WITHOUT CURB BOX)

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



INLET PROTECTION, TYPE C (WITH CURB BOX)



INLET PROTECTION, TYPE D

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

GENERAL NOTES

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

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

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

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

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

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

INSTALLATION NOTES

TYPE B & C

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

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

TYPE D

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

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

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

INLET PROTECTION TYPE A, B, C, AND D

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

DATE — CHIEF ROADWAY DEVELOPMENT ENGINEER

FHWA

S.D.D. 8 E 10-2

6

S.D.D. 8 E 10-2

8F1: Apron Endwalls for Culvert Pipe

METAL APRON ENDWALLS

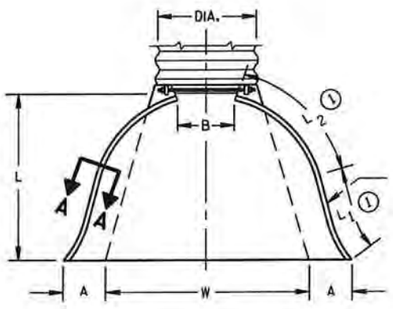
PIPE DIA. (IN.)	MIN. THICK. (Inches) STEEL	MIN. THICK. (Inches) ALUM.	DIMENSIONS (Inches) A (±1")	B (MAX.)	H (±1")	L (±1½")	L_1 ①	L_2 ①	W (±2")	APPROX. SLOPE	BODY
12	.064	.060	6	6	6	21	12	17½	24	2½to 1	1 Pc.
15	.064	.060	7	8	6	26	14	21¾	30	2½to 1	1 Pc.
18	.064	.060	8	10	6	31	15	28¼	36	2½to 1	1 Pc.
21	.064	.060	9	12	6	36	18	29⅝	42	2½to 1	1 Pc.
24	.064	.075	10	13	6	41	18	37¼	48	2½to 1	1 Pc.
30	.079	.075	12	16	8	51	18	52¼	60	2½to 1	1 Pc.
36	.079	.105	14	19	9	60	24	59¾	72	2½to 1	2 Pc.
42	.109	.105	16	22	11	69	24	75⅝	84	2½to 1	2 Pc.
48	.109	.105	18	27	12	78	24	81	90	2¼to 1	3 Pc.
54	.109	.105	18	30	12	84	30	85½	102	2¼to 1	3 Pc.
60	.109×	.105×	18	33	12	87	—	—	114	2 to 1	3 Pc.
66	.109×	.105×	18	36	12	87	—	—	120	2 to 1	3 Pc.
72	.109×	.105×	18	39	12	87	—	—	126	2 to 1	3 Pc.
78	.109×	.105×	18	42	12	87	—	—	132	1½to 1	3 Pc.
84	.109×	.105×	18	45	12	87	—	—	138	1½to 1	3 Pc.
90	.109×	.105×	18	37	12	87	—	—	144	1½to 1	3 Pc.
96	.109×	.105×	18	35	12	87	—	—	150	1½to 1	3 Pc.

× EXCEPT CENTER PANEL SEE GENERAL NOTES

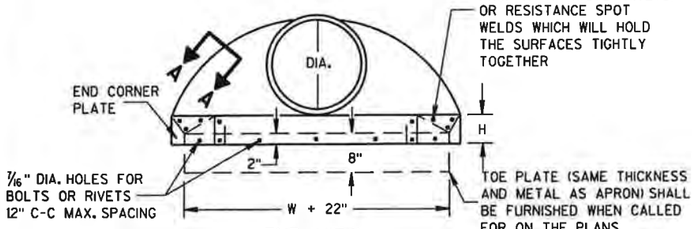
REINFORCED CONCRETE APRON ENDWALLS

PIPE DIA. (IN.)	DIMENSIONS (Inches) T	A	B	C	D	E	G	APPROX. SLOPE
12	2	4	24	48⅞	72⅞	24	2	3 to 1
15	2¼	6	27	46	73	30	2¼	3 to 1
18	2½	9	27	46	73	36	2½	3 to 1
21	2¾	9	36	37½	73½	42	2¾	3 to 1
24	3	9½	43½	30	73½	48	3	3 to 1
27	3¼	10½	49½	24	73½	54	3¼	3 to 1
30	3½	12	54	19¾	73½	60	3½	3 to 1
36	4	15	63	34¾	97¾	72	4	3 to 1
42	4½	21	63	35	98	78	4½	3 to 1
48	5	24	72	26	98	84	5	3 to 1
54	5½	27	65	* 33¼-35 ** 98¼- 100		90	5½	2⅖ to 1
60	6	* 30-35 **	60	39	99	96	5	2 to 1
66	6½	* 24-30 **	* 72-78 **	* 21-27 **	99	102	5½	2 to 1
72	7	* 24-36 **	78	21	99	108	6	2 to 1
78	7½	* 24-36 **	78	21	99	114	6½	2 to 1
84	8	36	90½	21	111½	120	6½	1½to 1
90	8½	41	87½	24	111½	132	6½	1½to 1

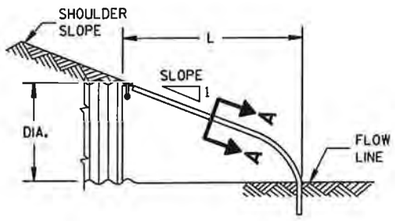
*MINIMUM
**MAXIMUM



PLAN VIEW

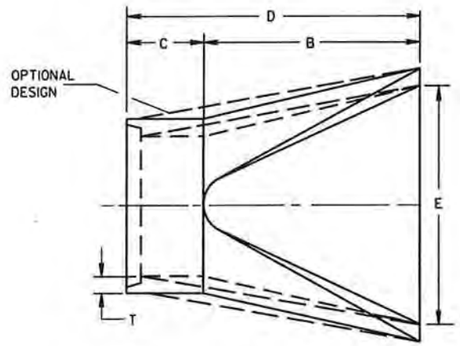


END VIEW

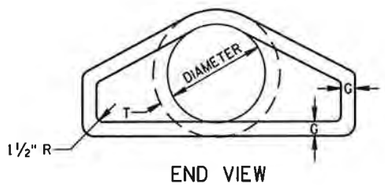


SIDE ELEVATION

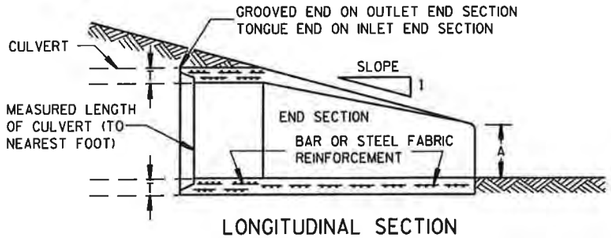
METAL ENDWALLS



PLAN

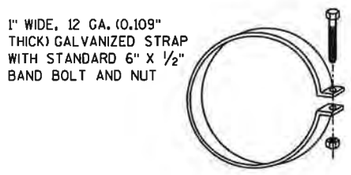


END VIEW



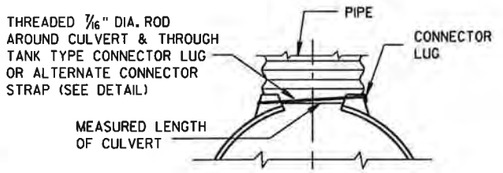
LONGITUDINAL SECTION

CONCRETE ENDWALLS

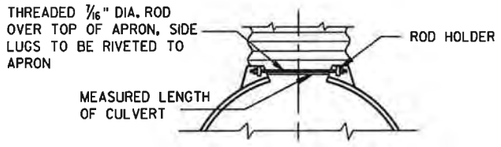


ALTERNATE FOR TYPE 1 CONNECTION

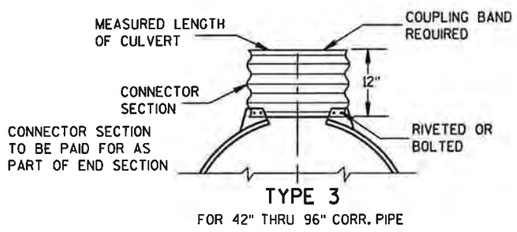
END SECTION CONNECTOR STRAP



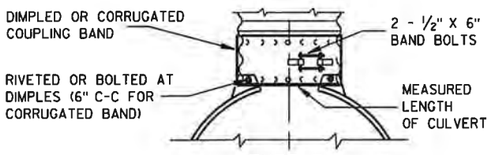
TYPE 1
FOR 12" THRU 24" CORR. PIPE



TYPE 2
FOR 30" THRU 96" CORR. PIPE



TYPE 3
FOR 42" THRU 96" CORR. PIPE



TYPE 5
ALTERNATE FOR:
ALL SIZES CORRUGATED CIRCULAR PIPE

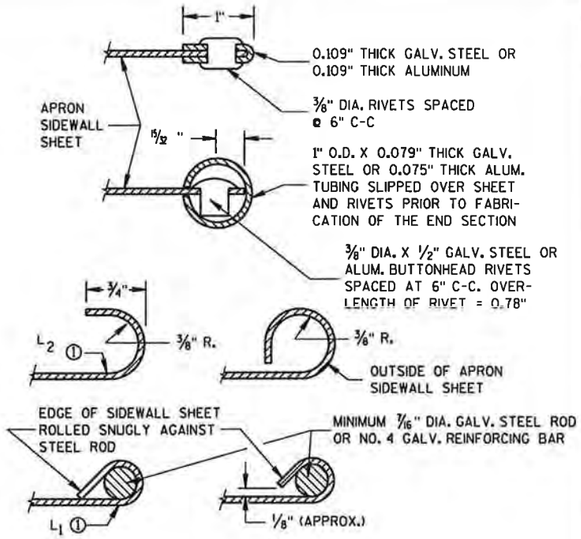
NOTE: DIMPLED BAND FITS OVER OUTSIDE OF ENDWALL, AND CORRUGATED BAND FITS INSIDE ENDWALL. DIMPLED BAND MAY BE USED WITH HELICALLY CORRUGATED PIPE.

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

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

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

CONNECTION DETAILS



SECTION A-A

GENERAL NOTES

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

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

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

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

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

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

APRON ENDWALLS FOR CULVERT PIPE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
11/30/94 — DATE
/S/ Rory L. [illegible] — CHIEF ROADWAY DE[illegible]100 — EER
FHWA

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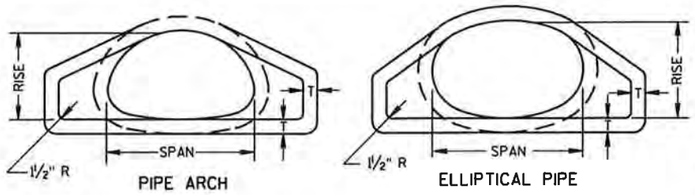
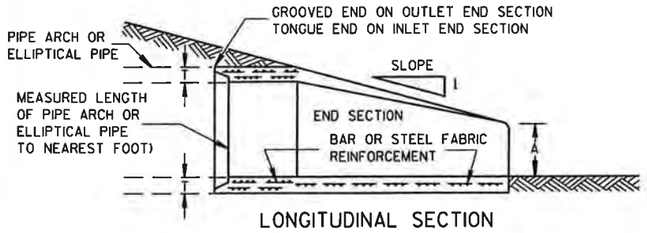
S.D.D. 8 F 1-11

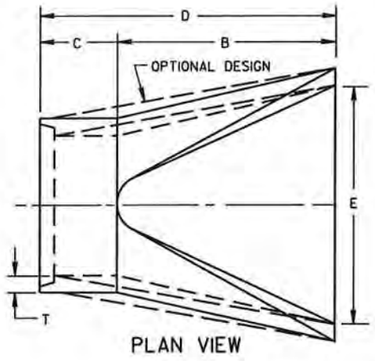
8F2: Apron Endwalls for Pipe Arch and Elliptical Pipe



END VIEW

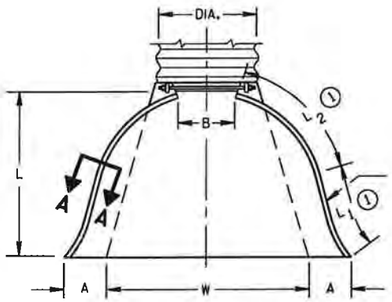


LONGITUDINAL SECTION

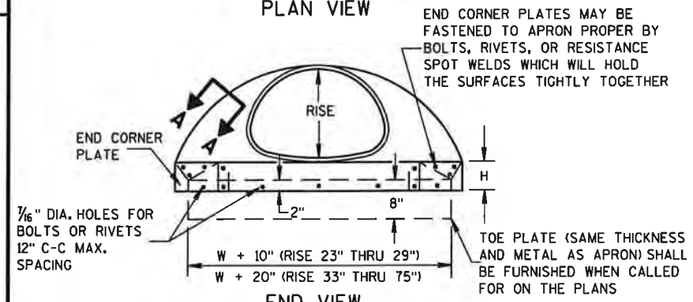


PLAN VIEW

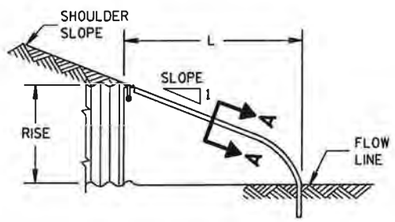
CONCRETE ENDWALLS



PLAN VIEW



END VIEW



SIDE ELEVATION

METAL ENDWALLS

2- 2/3" X 1/2" CORRUGATIONS														
EQUIV. DIA. (Inches)	(Inches)		MIN. THICK. (Inches)		DIMENSIONS (Inches)							APPROX. SLOPE	BODY
	SPAN	RISE	STEEL	ALUM.	A (±1")	B (MAX.)	H (±1")	L (±1 1/2")	L1 ①	L2 ①	W (±2")		
15	17	13	.064	.060	7	9	6	19	14	16	30	2½ to 1	1 Pc.
18	21	15	.064	.060	7	10	6	23	14	19⅜	36	2½ to 1	1 Pc.
21	24	18	.064	.060	8	12	6	28	18	21¾	42	2½ to 1	1 Pc.
24	28	20	.064	.060	9	14	6	32	18	27½	48	2½ to 1	1 Pc.
30	35	24	.079	.075	10	16	6	39	18	37⅝	60	2½ to 1	1 Pc.
36	42	29	.079	.075	12	18	8	46	24	45⅜	75	2½ to 1	1 Pc.
42	49	33	.109	.105	13	21	9	53	24	54¾	85	2½ to 1	2 Pc.
48	57	38	.109	.105	18	26	12	63	24	68	90	2½ to 1	3 Pc.
54	64	43	.109	.105	18	30	12	70	24	72¾	102	2¼ to 1	3 Pc.
60	71	47	.109*	.105*	18	33	12	77	30	82¼	114	2¼ to 1	3 Pc.
66	77	52	.109*	.105*	18	36	12	77	—	—	126	2 to 1	3 Pc.
72	83	57	.109*	.105*	18	39	12	77	—	—	138	2 to 1	3 Pc.

3" X 1" CORRUGATIONS														
EQUIV. DIA. (Inches)	(Inches)		MIN. THICK. (Inches)		DIMENSIONS (Inches)							APPROX. SLOPE	BODY
	SPAN	RISE	STEEL	ALUM.	A (±1")	B (MAX.)	H (±1")	L (±1 1/2")	L1 ①	L2 ①	W (±2")		
48	53	41	.109	.105	18	26	12	63	24	72¾	90	2½ to 1	2 Pc.
54	60	46	.109	.105	18	30	12	70	30	82¼	102	2 to 1	2 Pc.
60	66	51	.109*	.105*	18	33	12	77	—	—	114	1½ to 1	3 Pc.
66	73	55	.109*	.105*	18	36	12	77	—	—	126	1½ to 1	3 Pc.
72	81	59	.109*	.105*	18	39	12	77	—	—	138	2 to 1	3 Pc.
78	87	63	.109*	.105*	22	38	12	77	—	—	148	1½ to 1	3 Pc.
84	95	67	.109*	.105*	22	34	12	77	—	—	162	1½ to 1	3 Pc.
90	103	71	.109*	.105*	22	38	12	77	—	—	174	1½ to 1	3 Pc.
96	112	75	.109*	.105*	24	40	12	77	—	—	174	1½ to 1	3 Pc.

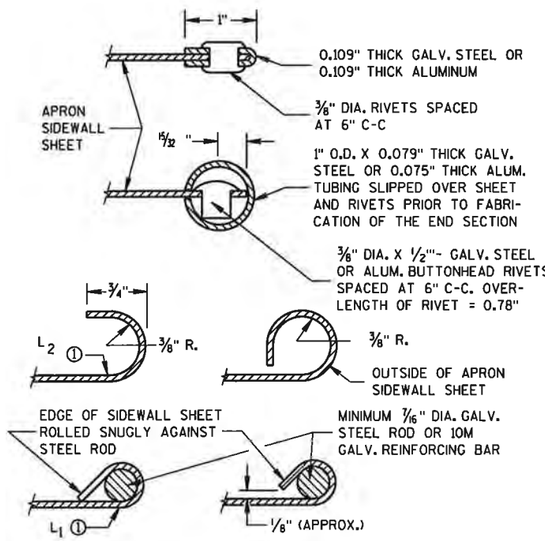
NOTE: ALL SPLICES TO BE LAP RIVETED OR BOLTED.

*EXCEPT CENTER PANEL SEE GENERAL NOTES

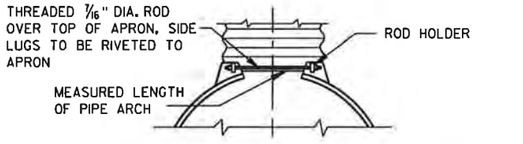
REINFORCED CONCRETE PIPE ARCH									
EQUIV. DIA. (Inches)	DIMENSIONS (Inches)								APPROX. SLOPE
	**SPAN	**RISE	T	A	B	C	D	E	
24	29	18	3	8½	39	33	72	48	3 to 1
30	36	22	3½	9½	50	46	96	60	3 to 1
36	44	27	4	11⅛	60	36	96	72	3 to 1
42	51	31	4½	15⅛	60	36	96	78	3 to 1
48	58	36	5	21	60	36	96	84	3 to 1
54	65	40	5½	25½	60	36	96	90	3 to 1
60	73	45	6	31	60	36	96	96	3 to 1
72	88	54	7	31	60	39	99	120	2 to 1
84	102	62	8	28½	83	19	102	144	2 to 1

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

**NOMINAL SIZE

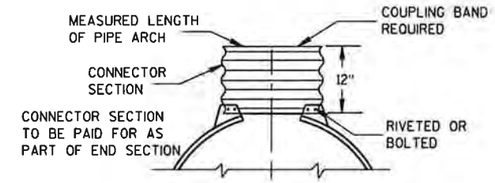


SECTION A-A



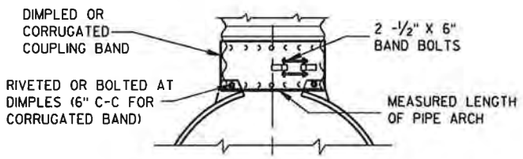
TYPE 2

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



TYPE 3

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



TYPE 5

ALTERNATE FOR:

ALL SIZES CORRUGATED PIPE ARCHES

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

CONNECTION DETAILS

GENERAL NOTES

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

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

ALL THREE PIECE STEEL APRON ENDWALLS FOR 66" X 51" PIPE ARCH AND LARGER SHALL HAVE 0.109" SIDES AND 0.138" CENTER PANELS. ALL THREE PIECE ALUMINUM APRON ENDWALLS FOR 66" X 51" PIPE ARCH AND LARGER SHALL HAVE 0.105" SIDES AND 0.134" CENTER PANELS. THE WIDTH OF CENTER PANELS SHALL BE GREATER THAN 20 PERCENT OF THE PIPE ARCH PERIMETER.

LAP SEAMS SHALL BE TIGHTLY JOINED BY GALVANIZED RIVETS OR BOLTS FOR STEEL UNITS AND ALUMINUM RIVETS AND BOLTS FOR ALUMINUM UNITS. FOR THE 77" X 52" THROUGH 112" X 75" APRON ENDWALL SIZES, THE REINFORCED EDGES AND CENTER PANEL SEAMS SHALL BE FURTHER REINFORCED WITH GALVANIZED STEEL OR ALUMINUM STIFFENER ANGLES. THE ANGLES SHALL BE ATTACHED BY GALVANIZED NUTS AND BOLTS FOR STEEL UNITS AND ALUMINUM NUTS AND BOLTS FOR ALUMINUM UNITS.

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

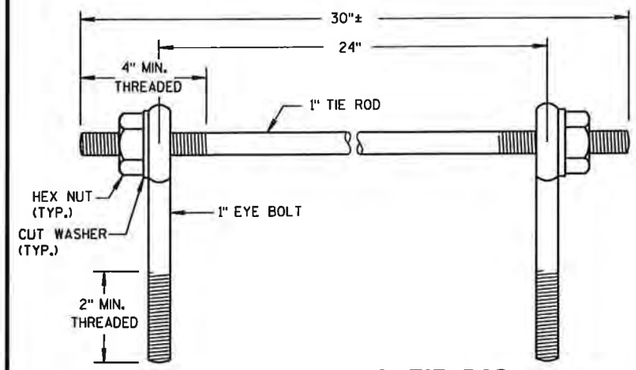
① FOR PIPE ARCH SIZES UP TO 73" X 55" A 180° ROLLED EDGE MAY BE USED INSTEAD OF STEEL ROD REINFORCEMENT. SEE SECTION A-A.

APRON ENDWALLS FOR PIPE ARCH AND ELLIPTICAL PIPE

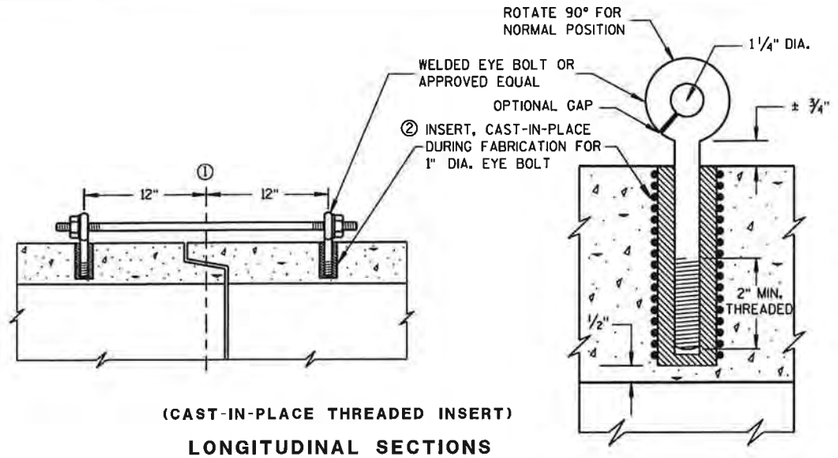
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
11/30/94 DATE
/S/ Rory L. [illegible]
CHIEF ROADWAY DESIGN ENGINEER
FHWA

6
S.D.D. 8 F 2-1



EYE BOLTS AND TIE ROD



(CAST-IN-PLACE THREADED INSERT)

LONGITUDINAL SECTIONS

GENERAL NOTES

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

CONCRETE CULVERT PIPE SHALL BE TIED TOGETHER IN THE MANNER ILLUSTRATED BY THIS DETAIL AT LOCATIONS DESIGNATED ON THE PLAN. THE CONTRACTOR MAY USE EITHER ALTERNATE 1, 2 OR 3 FOR DRAINAGE STRUCTURES. ONLY ALTERNATE 1 AND 3 MAY BE USED FOR CATTLE PASSES. UNLESS OTHERWISE STATED IN THE CONTRACT THE MATERIALS, FABRICATION AND WORK NECESSARY TO TIE CULVERT PIPE AS INDICTED ON THE PLANS AND BY THIS DETAIL WILL BE CONSIDERED INCIDENTAL TO CILVERT PIPE, REINFORCED CONCRETE CULVERT PIPE, OR REINFORCED CONCRETE PIPE CATTLE PASS.

DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR JOINT TIES SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL.

① ℄ OF TONGUE AND GROOVE OR BELL AND SPIGOT JOINTS.

② THE INSIDE OF THE THREADED INSERTS SHALL BE CLEAN TO ALLOW THE INSERTION OF THREADED EYE BOLTS.

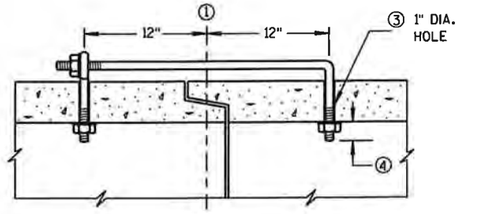
③ HOLES SHALL BE CAST-IN-PLACE OR DRILLED 12 INCHES FROM ℄ OF TONGUE AND GROOVE.

④ BOLT PROJECTION INSIDE OF PIPE SHALL NOT EXCEED 2 INCHES.

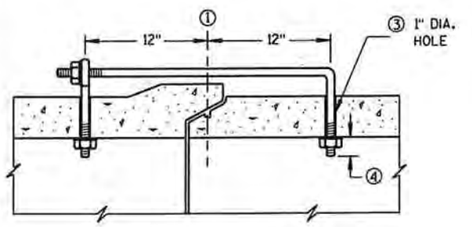
⑤ OPENING TO BE ROD DIAMETER PLUS 1 INCH.

⑥ LENGTH ADEQUATE TO EXTEND TO WITHIN 1/2 INCH OF THE INNER SURFACE OF THE PIPE.

EYE BOLT AND TIE ROD ASSEMBLY (ALTERNATE NO. 1)



(TONGUE & GROOVE PIPE)



(MODIFIED BELL PIPE)

LONGITUDINAL SECTION

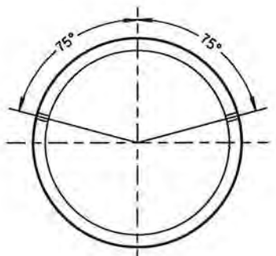
EYE BOLT DIMENSION TABLE

PIPE SIZE	L = LENGTH	
	TONGUE & GROOVE PIPE	MODIFIED BELL PIPE
18" TO 24"	4 1/2"	6 1/4"
30"	5"	7"
36"	5 1/2"	7"
42"	6"	
48"	6 1/2"	
60"	7 1/2"	
66"	8"	

ADJUSTABLE TIE ROD TABLE

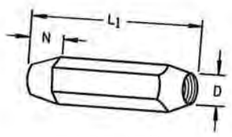
PIPE DIAMETER	TIE ROD DIAMETER	D	L_1	N
12-60	5/8	5/8	5	1/2
66-84	3/4	3/4	5	1/2
90-108	1	1	7	1 7/16

DIMENSIONS SHOWN ARE IN INCHES

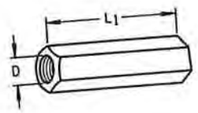


PLACEMENT OF (2) CAST-IN-PLACE INSERTS OR HOLES DURING FABRICATION FOR PIPE SECTIONS REQUIRING TIE RODS

TRANSVERSE SECTION



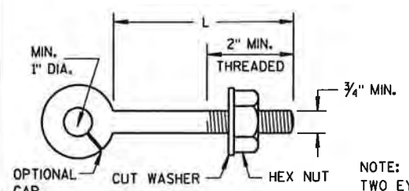
TAPERED



PLAIN

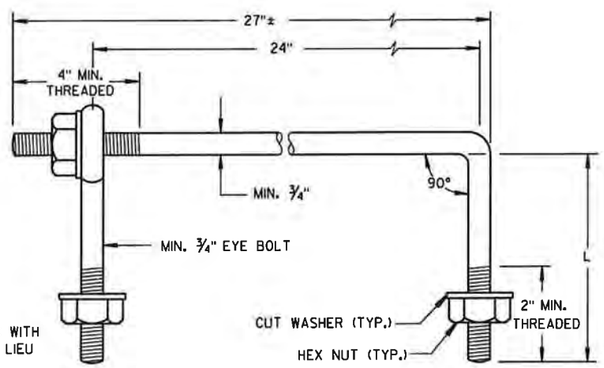
RIGHT AND LEFT THREADS

SLEEVE NUTS



EYE BOLT

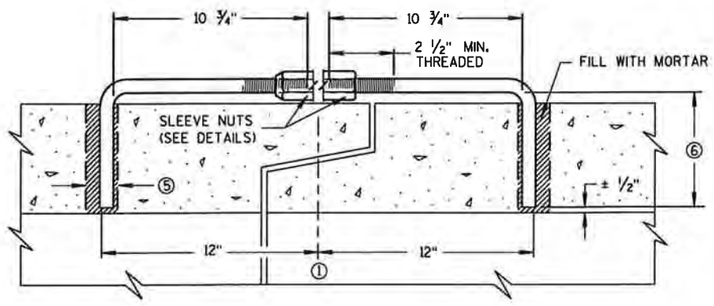
NOTE:
TWO EYE BOLTS MAY BE USED WITH A 30" LONG THREADED ROD IN LIEU OF THE 90° BENT TIE ROD.



EYE BOLT AND TIE ROD

(JOINT TIES FOR 18" TO 66" DIA. CONCRETE PIPE)

EYE BOLT AND TIE ROD ASSEMBLY (ALTERNATE NO. 2)



LONGITUDINAL SECTION

(JOINT TIES FOR 12" TO 108" DIA. CONCRETE PIPE)

ADJUSTABLE TIE ROD (ALTERNATE NO. 3)

JOINT TIES FOR CONCRETE PIPE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
12/17/07 — DATE
/S/ Jerry H. Zogg — ROADWAY STANDARDS DEVELOPMENT ENGINEER
FHWA

S.D.D. 8 F 4-6

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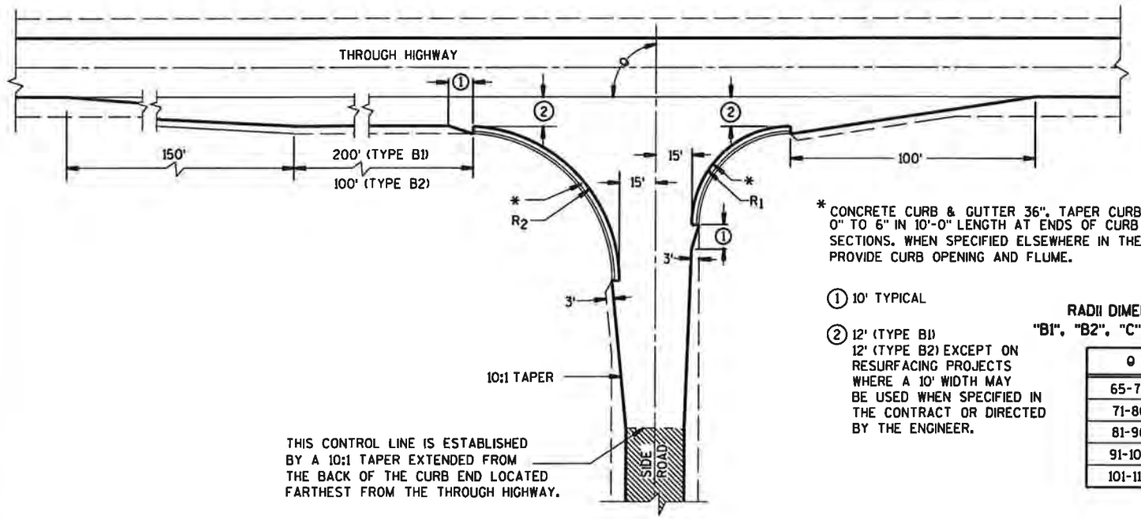
9A1 sheet a: At-Grade Side Road Intersection, Types "B1", "B2", "C" and "D" and Tee Intersection Bypass Lane



TYPE "B1" AND "B2"

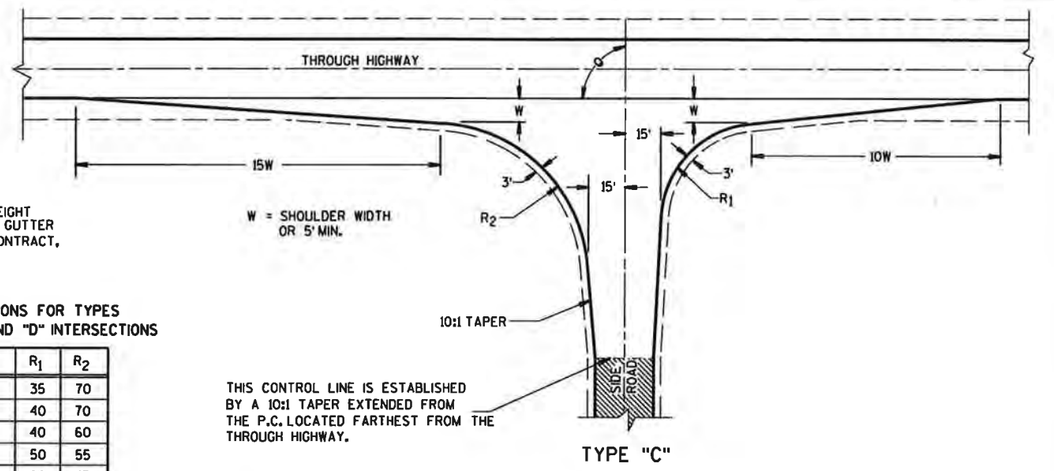
* CONCRETE CURB & GUTTER 36", TAPER CURB HEIGHT 0" TO 6" IN 10'-0" LENGTH AT ENDS OF CURB & GUTTER SECTIONS. WHEN SPECIFIED ELSEWHERE IN THE CONTRACT, PROVIDE CURB OPENING AND FLUME.

① 10' TYPICAL

② 12' (TYPE B1)
12' (TYPE B2) EXCEPT ON RESURFACING PROJECTS WHERE A 10' WIDTH MAY BE USED WHEN SPECIFIED IN THE CONTRACT OR DIRECTED BY THE ENGINEER.

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

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



TYPE "C"

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.

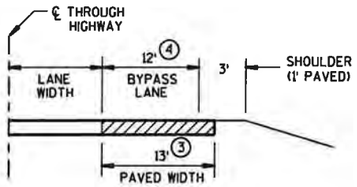
SIDE ROAD SURFACING NOTE

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.

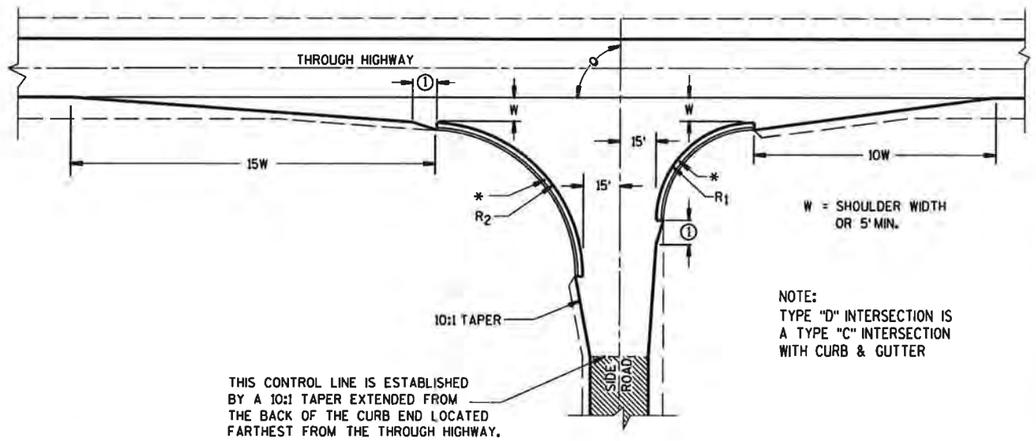
WHEN THE SIDE ROAD IS PRESENTLY PAVED, NEW PAVEMENT SHALL BE PLACED TO THE LIMITS OF DESIGN AS SHOWN AND BEYOND, IF NECESSARY, TO MEET EXISTING PAVEMENT.

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

▨ EXISTING SURFACE

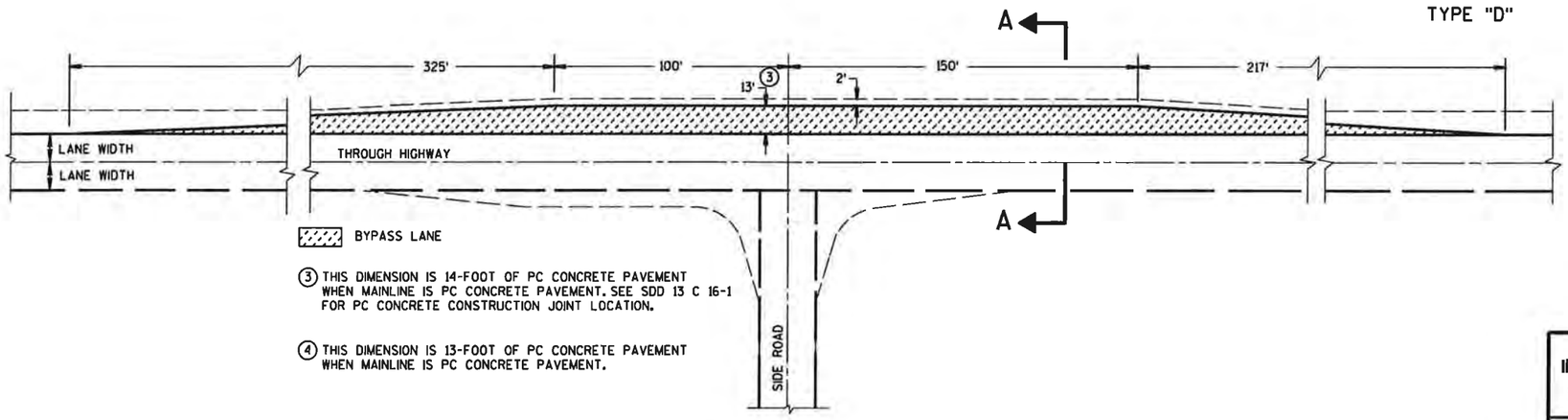


SECTION A-A
(SHOWING BYPASS LANE AND SHOULDER)



NOTE:
TYPE "D" INTERSECTION IS A TYPE "C" INTERSECTION WITH CURB & GUTTER

TYPE "D"



③ THIS DIMENSION IS 14-FOOT OF PC CONCRETE PAVEMENT WHEN MAINLINE IS PC CONCRETE PAVEMENT. SEE SDD 13 C 16-1 FOR PC CONCRETE CONSTRUCTION JOINT LOCATION.

④ THIS DIMENSION IS 13-FOOT OF PC CONCRETE PAVEMENT WHEN MAINLINE IS PC CONCRETE PAVEMENT.

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

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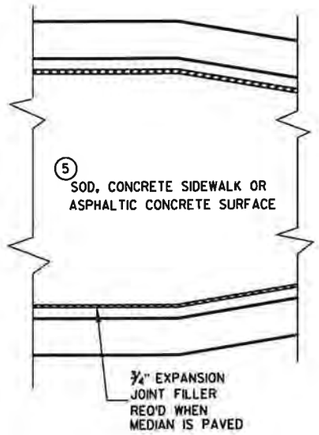
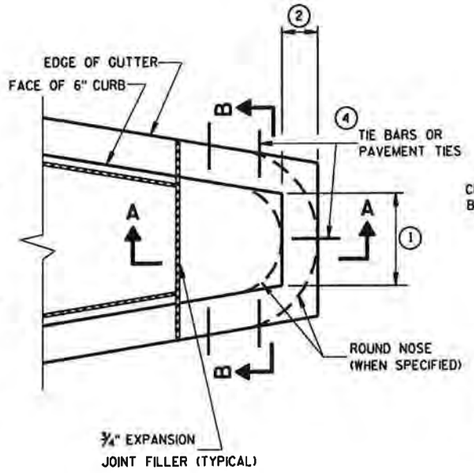
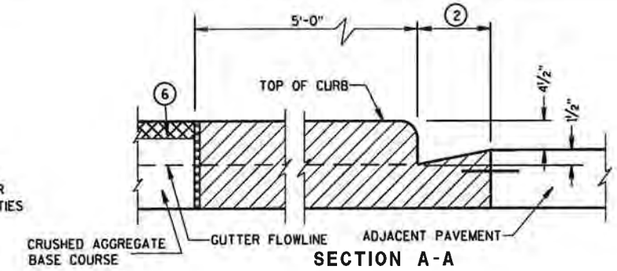
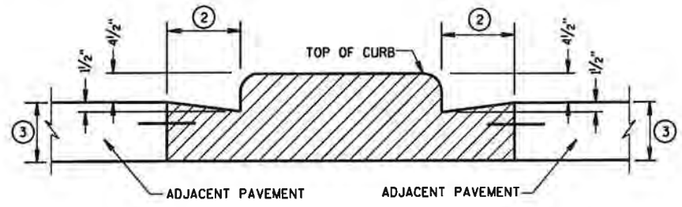
S.D.D. 9 A 1-12a

S.D.D. 9 A 1-12a









CONCRETE MEDIAN BLUNT NOSE DETAIL

GENERAL NOTES

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

(1) SEE PLAN FOR MEDIAN NOSE WIDTH AND RADIUS (FOR ROUND NOSE ALTERNATE).

(2) WIDTH OF GUTTER TO MATCH EXISTING ADJACENT GUTTER OR AS SPECIFIED ELSEWHERE IN THE PLAN.

(3) DEPTH EQUAL TO ADJACENT PAVEMENT. ADJACENT PAVEMENT STRUCTURE DETAILS ARE SHOWN ON THE PLAN. TYPICAL OPTIONS ARE:

(1) NEW OR EXISTING CONCRETE PAVEMENT.

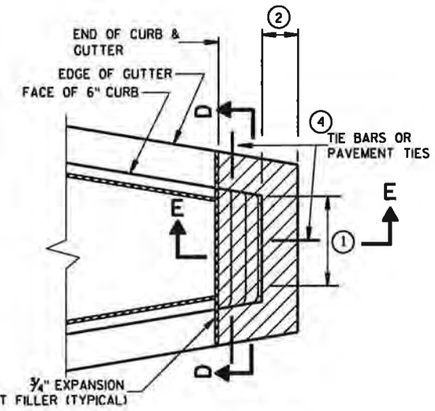
(2) ASPHALTIC CONCRETE PAVEMENT OVER NEW OR EXISTING CONCRETE BASE COURSE.

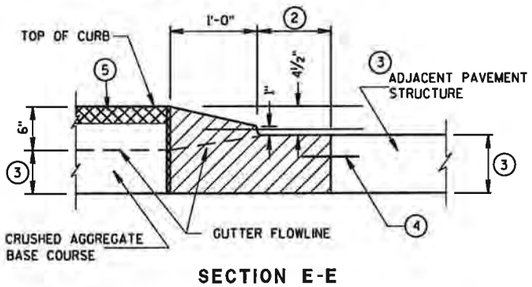
(3) ASPHALTIC CONCRETE PAVEMENT OVER CRUSHED AGGREGATE BASE COURSE.

(4) TIE BARS OR PAVEMENT TIES REQUIRED IN NEW CONCRETE PAVEMENT OR CONCRETE BASE COURSE. TIE BARS SHALL BE NO. 4 X 2'-0" SPACED AT 2'-0" C-C.

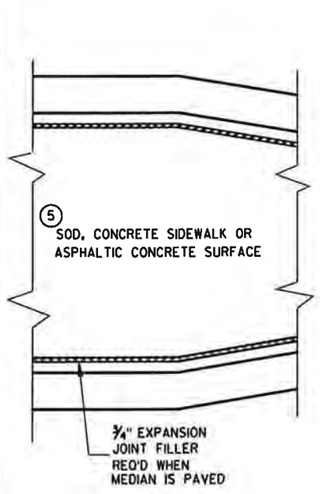
PAVEMENT TIES REQUIRED IN EXISTING CONCRETE BASE COURSE. PAVEMENT TIES SHALL BE NO. 6 X 1'-0" SPACED AT 3'-0" C-C INSTALLED ON A HORIZONTAL SKEW OF 6:1. THE DIRECTION OF SKEW SHALL ALTERNATE AFTER EVERY ONE OR TWO BARS.

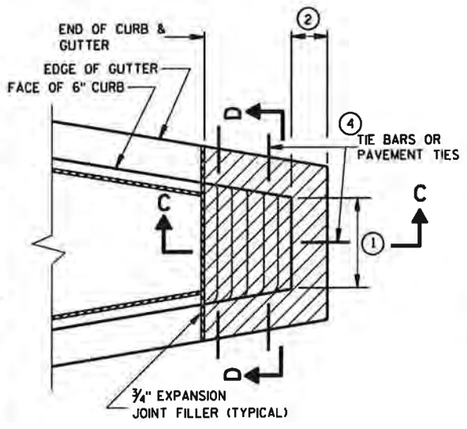
(5) SURFACE TYPE AND DETAILS ARE SHOWN ELSEWHERE IN THE PLAN.

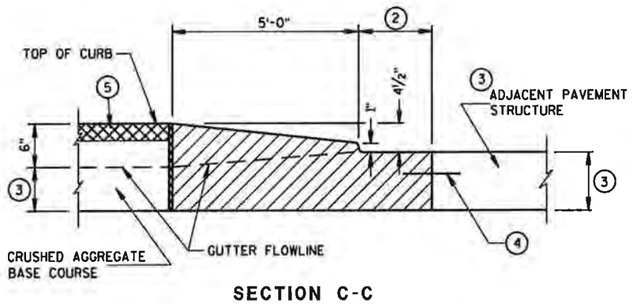




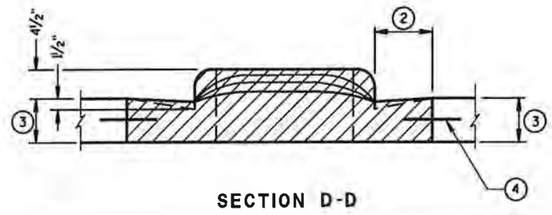
CONCRETE MEDIAN SLOPED NOSE TYPE 2







CONCRETE MEDIAN SLOPED NOSE TYPE 1



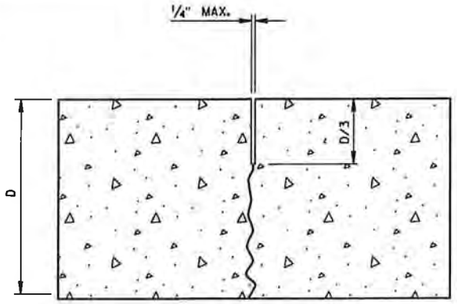
CONCRETE MEDIAN NOSE	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED 6/8/06 DATE FHWA	/S/ Jerry H. Zogg ROADWAY STANDARDS DEVELOPMENT ENGINEER

6

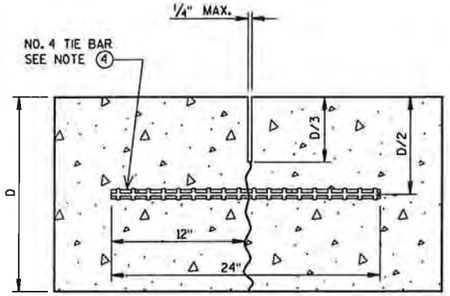
S.D.D. 11B 2-2

6

S.D.D. 11B 2-2



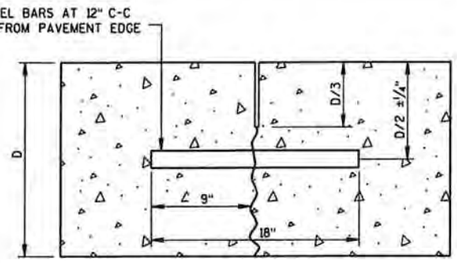
UNDOWELED-TRANSVERSE



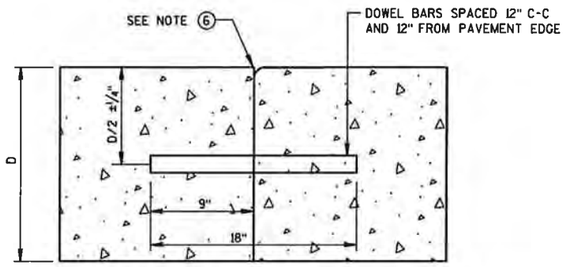
TIED LONGITUDINAL

GENERAL NOTES

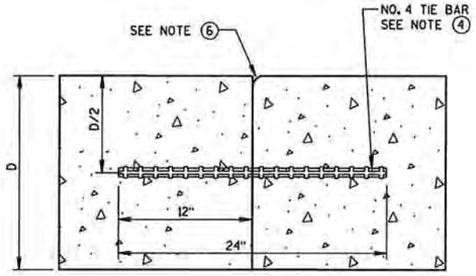
1. USE DOWELED EXPANSION JOINTS ON SIDE ROADS AT INTERSECTIONS (TO ISOLATE THE SIDE ROAD FROM THE THROUGH STREET) IF THE SIDE ROAD IS CONCRETE PAVEMENT AND GREATER THAN 300 FEET IN LENGTH.
2. SPACE CONTRACTION JOINTS IN ACCORDANCE WITH 13C4, 13C11 OR 13C13.
3. LOCATE CONSTRUCTION JOINTS A MINIMUM OF 4 FEET FROM THE NEAREST CONTRACTION JOINT AND ALIGN PARALLEL TO THE CONTRACTION JOINTS.
4. SPACE TIE BARS AT LONGITUDINAL CONSTRUCTION OR CONTRACTION JOINTS IN ACCORDANCE WITH SDD 13C1.
5. CONSTRUCTION JOINTS CAN BE FORMED OR SAWED.
6. IF JOINT IS FORMED, PROVIDE A 1/4-INCH RADIUS.



DOWELED-TRANSVERSE



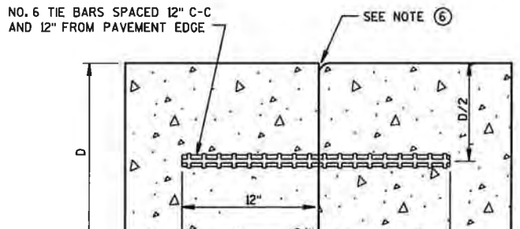
DOWELED TRANSVERSE



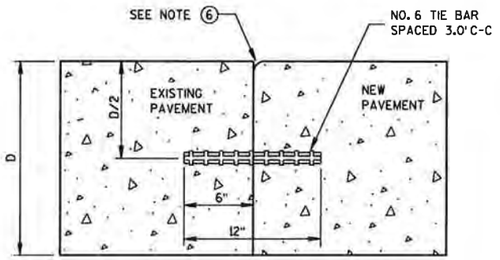
TIED LONGITUDINAL

CONTRACTION JOINTS

SEE NOTE (2)



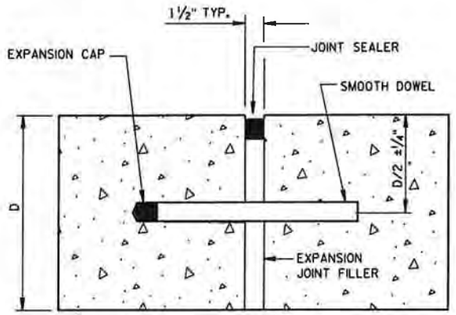
TIED TRANSVERSE
SEE NOTE (3)



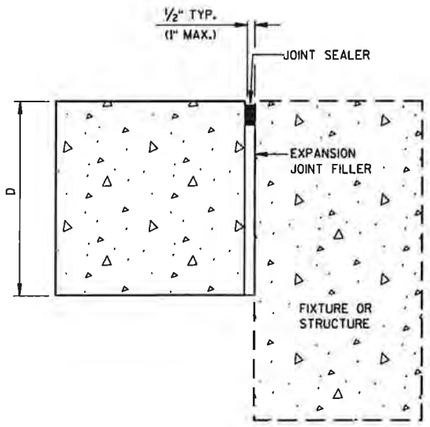
TIED LONGITUDINAL TO EXISTING

CONSTRUCTION JOINTS

SEE NOTE (5)



DOWELED-TRANSVERSE
SEE NOTE (1)



UNTIED-LONGITUDINAL

EXPANSION JOINTS

CONCRETE PAVEMENT
JOINT TYPES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

6

S.D.D. 13 C 18-1c

S.D.D. 13 C 18-1c

LEGEND

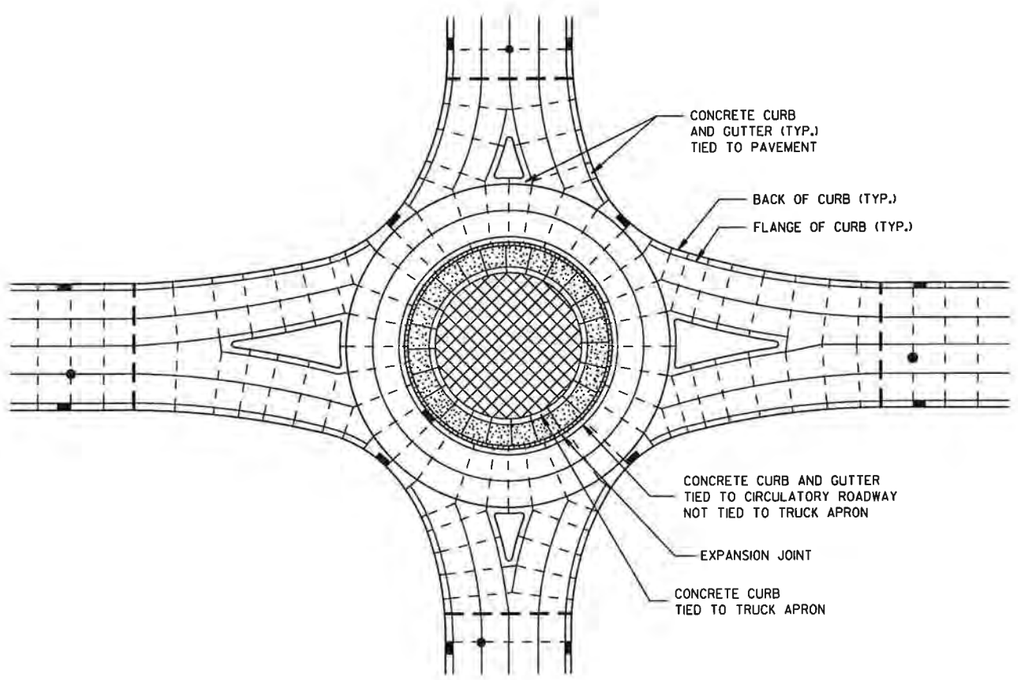
- DOWELED JOINT
- TIED JOINT
- EXPANSION JOINT
- POTENTIAL DOWELED EXPANSION JOINT
- TRUCK APRON
- CENTRAL ISLAND
- UTILITY STRUCTURES

GENERAL NOTES

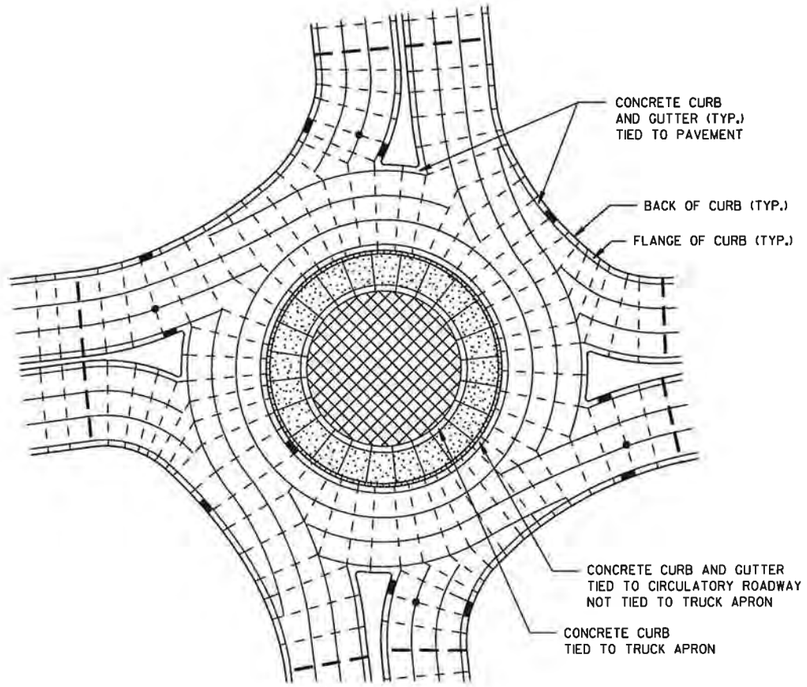
MAXIMUM JOINT SPACING IS IN ACCORDANCE WITH THE TABLE SHOWN ON SDD 13C18-1a.

USE AN EXPANSION JOINT FILLER MEETING THE REQUIREMENTS OF STANDARD SPECIFICATION 415.

DO NOT DOWEL OR TIE THE TRUCK APRON TRANSVERSE JOINTS.



ISOLATED CIRCLE JOINT LAYOUT FOR ROUNDABOUTS



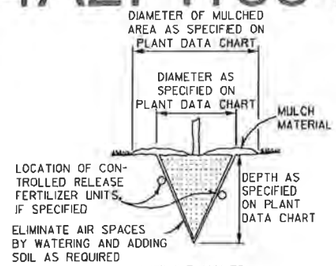
PINWHEEL JOINT LAYOUT FOR ROUNDABOUTS

CONCRETE PAVEMENT JOINTING AND STEEL REINFORCEMENT IN ROUNDABOUTS	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED 10-5-2010 DATE	/S/ Deb Bischoff PAVEMENT POLICY & DESIGN ENGINEER
FHWA	

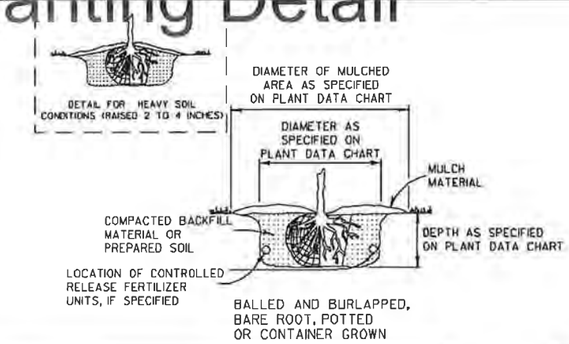
6

S.D.D. 13 C 18-1e

14A2: Tree Planting Detail



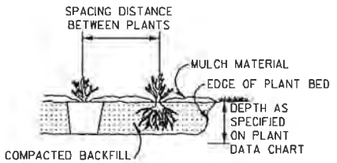
MACHINE MOVED



BALLED AND BURLAPPED, BARE ROOT, POTTED OR CONTAINER GROWN

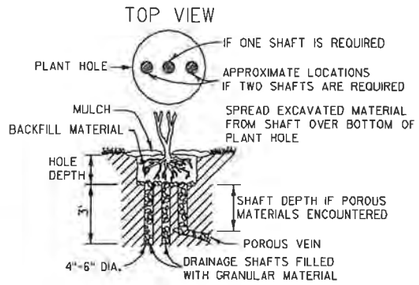
ACCOMMODATE ROOTS
(SMOOTH AND STAGHORN SUMAC)

NOTE:
1) ENGINEER SHALL REQUIRE 3 SLITS IN POT TO SPEED DETERIORATION
2) METAL, PLASTIC OR OTHER NONDEGRADABLE POTS SHALL BE REMOVED PRIOR TO PLANTING



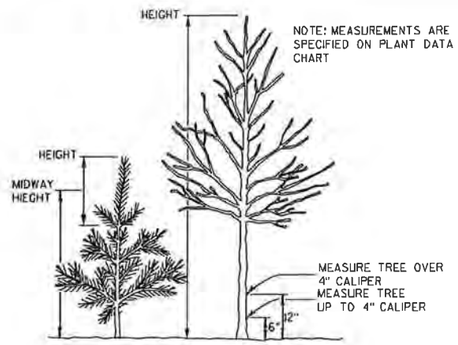
PREPARED BED
(BARE ROOT AND POTTED)

PLANTING

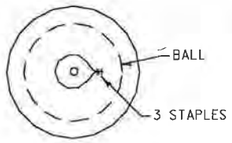


NOTE:
DRAINAGE SHAFT AS SPECIFIED ON PLANT DATA CHART

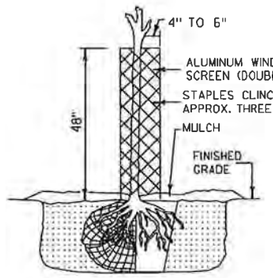
DRAINING



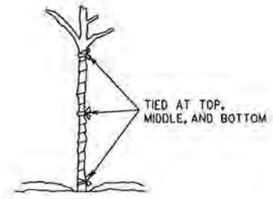
MEASURING



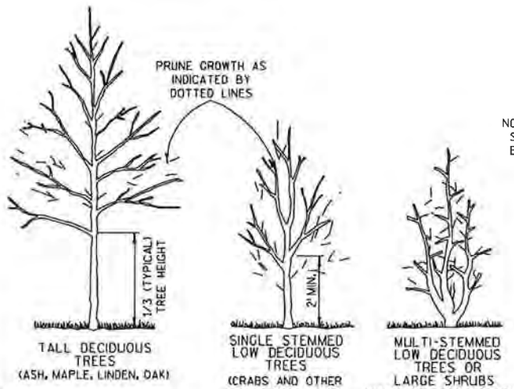
TOP VIEW



RODENT PROTECTION



WRAPPING



TALL DECIDUOUS TREES
(ASH, MAPLE, LINDEN, OAK)

SINGLE STEMMED LOW DECIDUOUS TREES
(CRABS AND OTHER SINGLE STEM TYPE)

MULTI-STEMMED LOW DECIDUOUS TREES OR LARGE SHRUBS
(HAWTHORN, SERVICEBERRY)

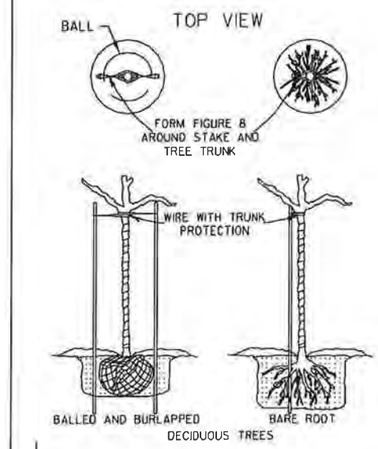
NOTE: WHEN PRUNING, PRESERVE CHARACTER AND SHAPE OF TREE. AVOID LEAVING STUBS - REMOVE BRANCH OR TWIG BACK TO THE NEAREST CROTCH
1) PRUNE TO REMOVE DEAD AND BROKEN BRANCHES
2) PRUNE TO REMOVE BRANCHES THAT TOUCH OR ARE TOO CLOSE TO OTHER BRANCHES

SHRUBS
(GRAY DOGWOOD ARROWWOOD VIBURNUM)

SUMAC

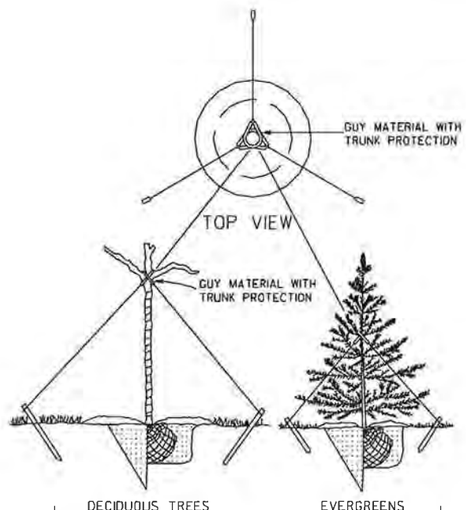
TREE TYPE EVERGREENS
(PINE, SPRUCE, FIR)
EVERGREENS USUALLY ARE NOT PRUNED

PRUNING

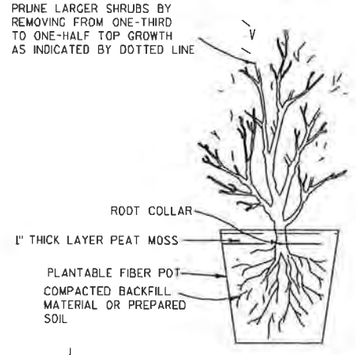


NOTE: BRACING STAKE
1) SHALL BE DRIVEN INTO THE GROUND AS CLOSE TO THE TREE AS POSSIBLE WITHOUT DAMAGING THE BRANCHES.
2) MAY BE DRIVEN AT SUCH AN ANGLE THAT IT DOES NOT PENETRATE THE BALL OR POT.
3) SHALL NOT PROTRUDE ABOVE THE TOP OF THE TREE; AND
4) SHALL HAVE A HOLE NEAR THE TOP TO HOLD THE WIRE IN PLACE.

BRACING



GUYING



POTTING

NOTES

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

BRACING, WRAPPING, GUYING, RODENT PROTECTION, FERTILIZER AND MULCH SHALL BE USED ONLY WHEN SPECIFIED ON THE PLANT DATA CHART (PART OF PLAN) OR SPECIAL PROVISIONS.

TREE PLANTING DETAIL

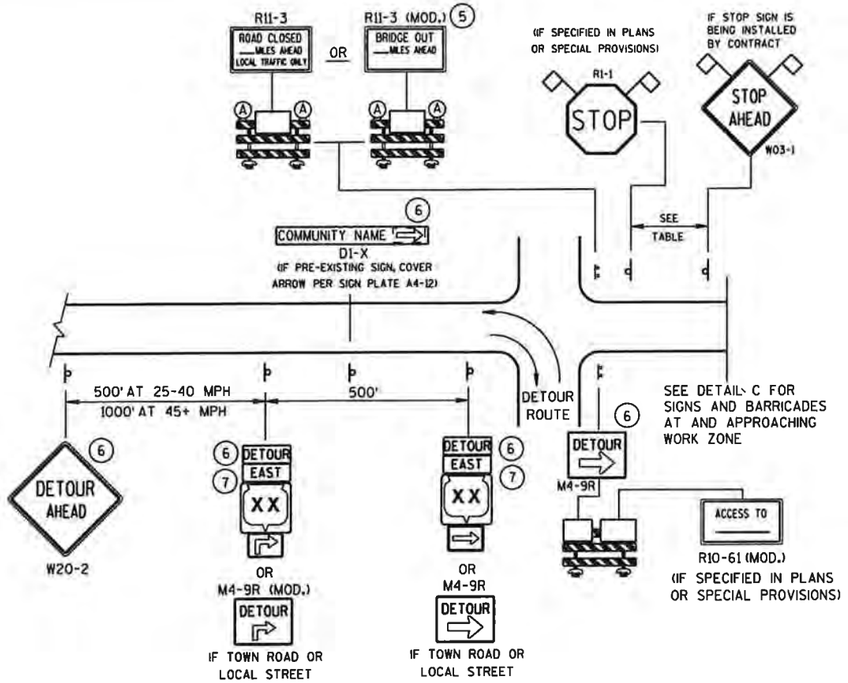
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

DATE — CHIEF METHODS DEVELOPMENT ENGINEER

FHWA

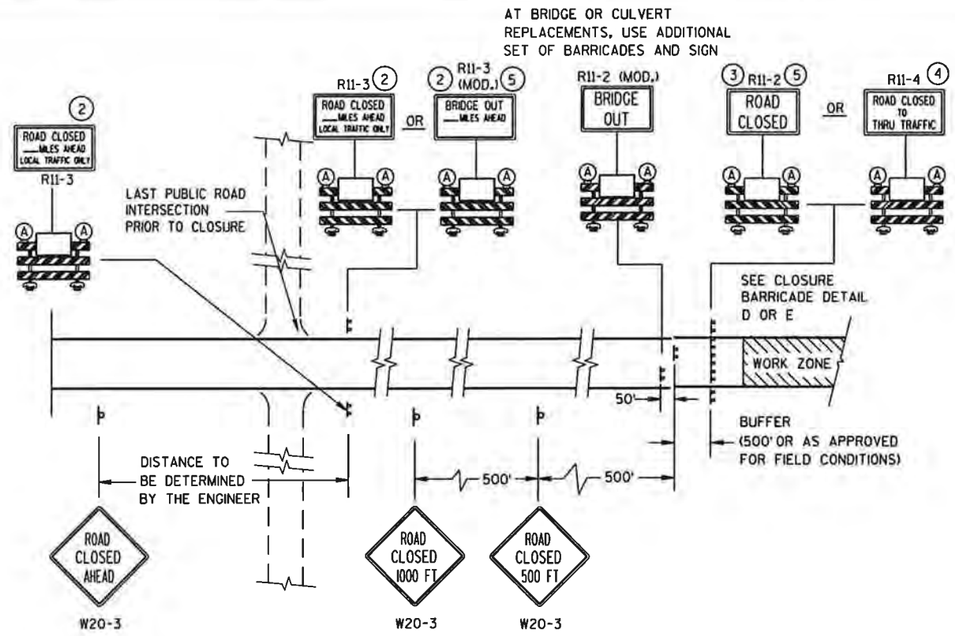
S.D.D. 14 A 2-1



DETAIL A

MAINLINE CLOSURE WITH POSTED DETOUR

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

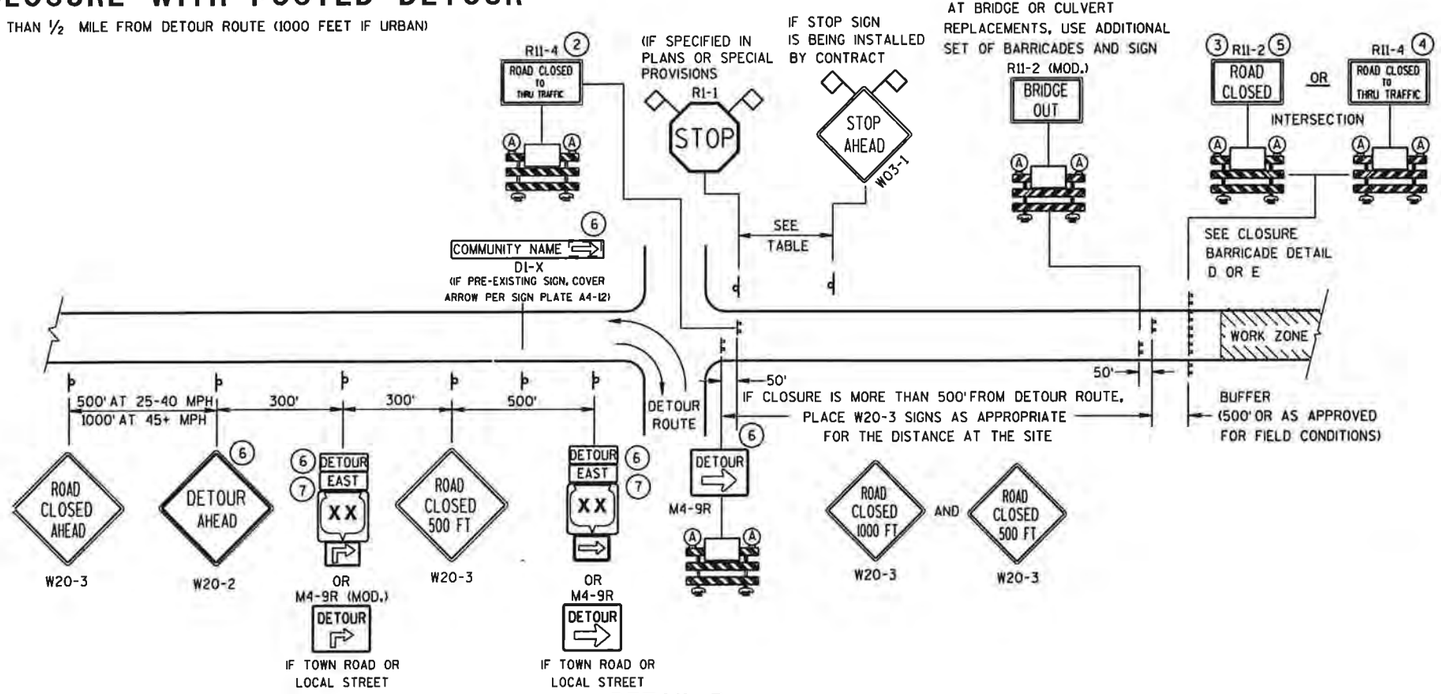


SPEED LIMIT (MPH)	"STOP AHEAD" ADVANCE WARNING DISTANCE (FT)
25	200
30	200
35	350
40	350
45	500
50	550
55	750

DETAIL C

MAINLINE CLOSURE, NO POSTED DETOUR

SEE SDD 15C2-4b FOR GENERAL NOTES AND FOOTNOTES ① THROUGH ⑦



DETAIL B

MAINLINE CLOSURE WITH POSTED DETOUR

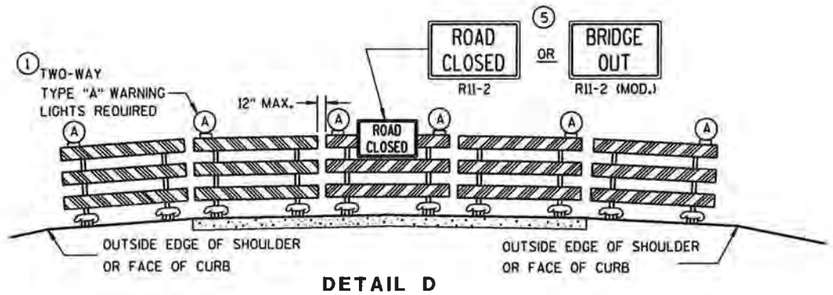
WORK ZONE LESS THAN ½ MILE FROM DETOUR ROUTE (1000 FEET IF URBAN)

LEGEND

- POST MOUNTED SIGN
- TYPE III BARRICADES
- (A) TYPE "A" LOW INTENSITY FLASHING WARNING LIGHT (FOR NIGHT USE)
- WORK ZONE
- DETOUR / EAST — M4-8 / M3-X
- XX — M1-4; COUNTY XX — M1-5A; XX — M1-6
- M05-1; M06-1
- FLAGS, 16" X 16" MIN., (ORANGE)

BARRICADES AND SIGNS FOR MAINLINE CLOSURES

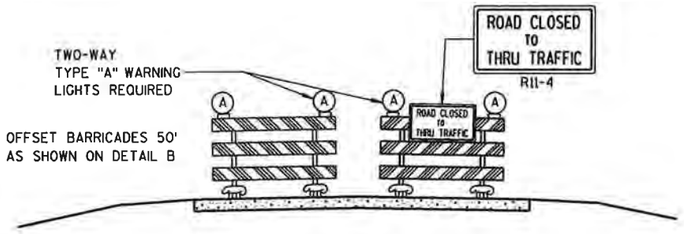
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION



DETAIL D

ROAD CLOSURE BARRICADE DETAIL

APPROACH VIEW



DETAIL E

LANE CLOSURE BARRICADE DETAIL

APPROACH VIEW

SEE SDD 15C2-4a 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.

THE REFLECTIVE SHEETING USED ON R11-2, R11-3, R11-4, R10-61 AND R1-1 SIGNS SHALL COMPLY WITH SUBSECTION 637.2.2.2 OF THE STANDARD SPECIFICATIONS.

"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 AND 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

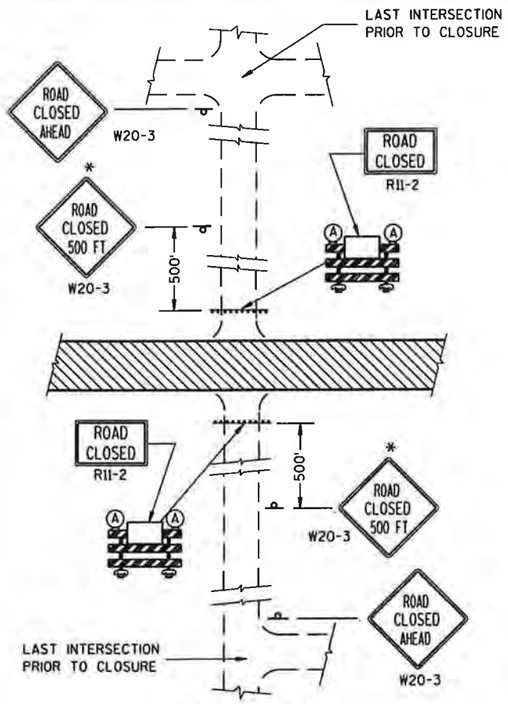
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

9/16/03 — DATE

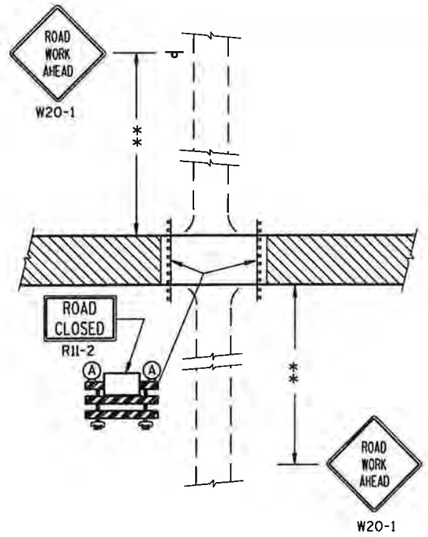
/S/ Thomas [illegible] — CHIEF SIGNS AND [illegible]NEER

FHWA



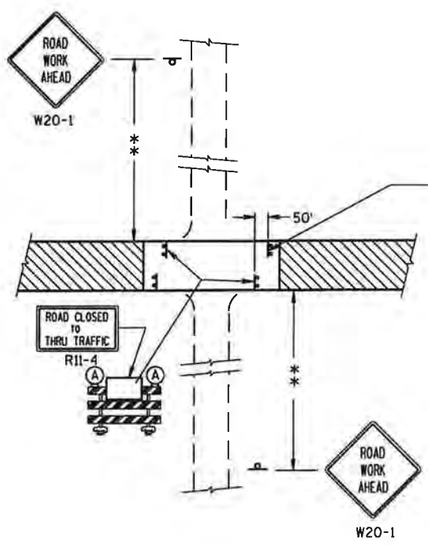
DETAIL 1

(NO ACCESS TO PROJECT)



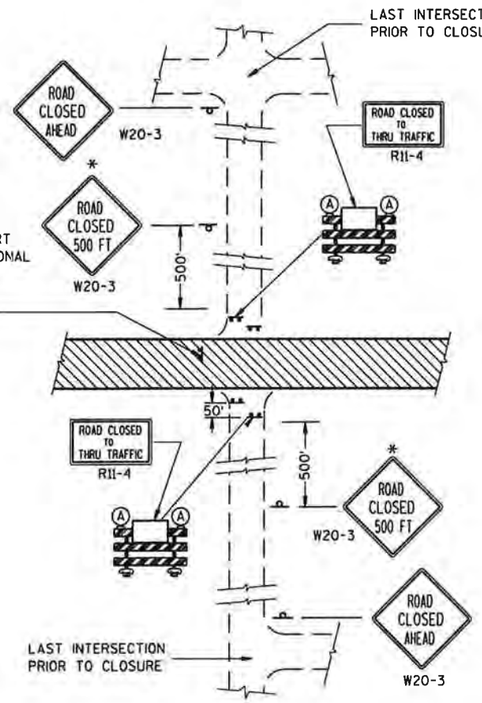
DETAIL 2

(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.

THE REFLECTIVE SHEETING USED ON R11-2, R11-3 AND R11-4 SIGNS SHALL COMPLY WITH SUBSECTION 637.2.2.2 OF THE STANDARD SPECIFICATIONS.

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

- POST MOUNTED WARNING SIGN
- TYPE III BARRICADES
- (A) TYPE "A" LOW INTENSITY FLASHING WARNING LIGHT (FOR NIGHT USE)
- WORK AREA

BARRICADES AND SIGNS FOR SIDEROAD CLOSURES

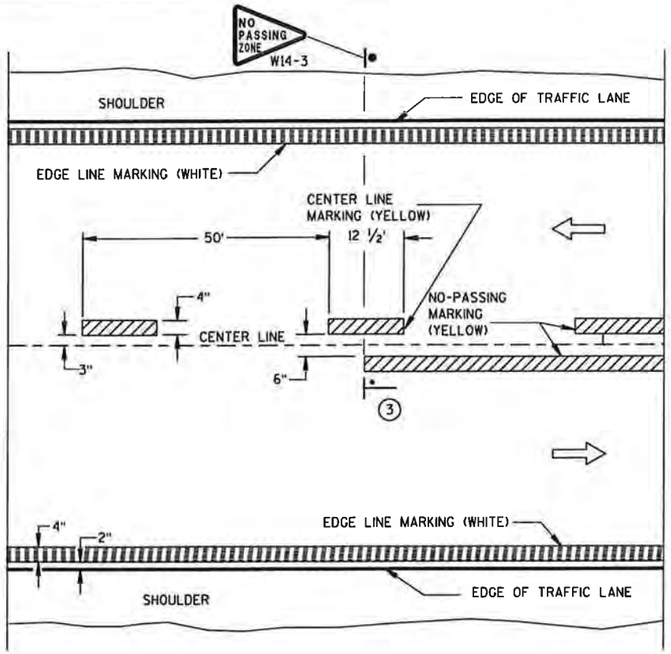
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

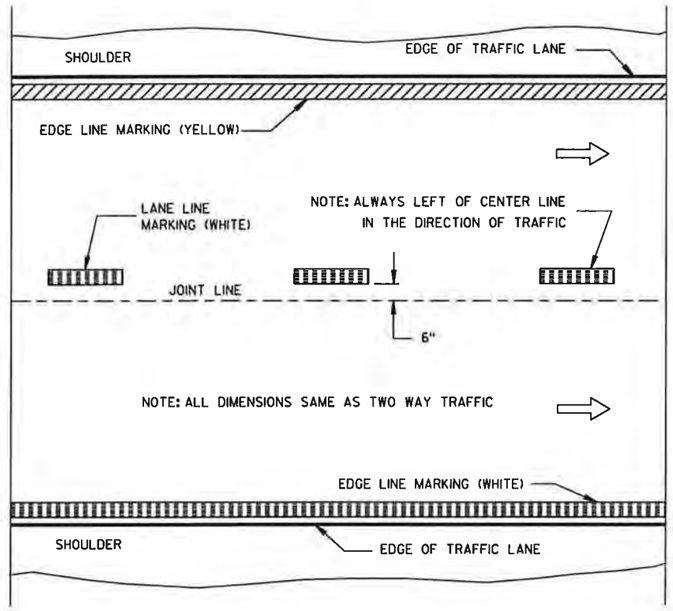
9-16-03 DATE

/S/ Thomas N. Nothdurft
CHIEF SIGNS AND 110 NEER

FHWA

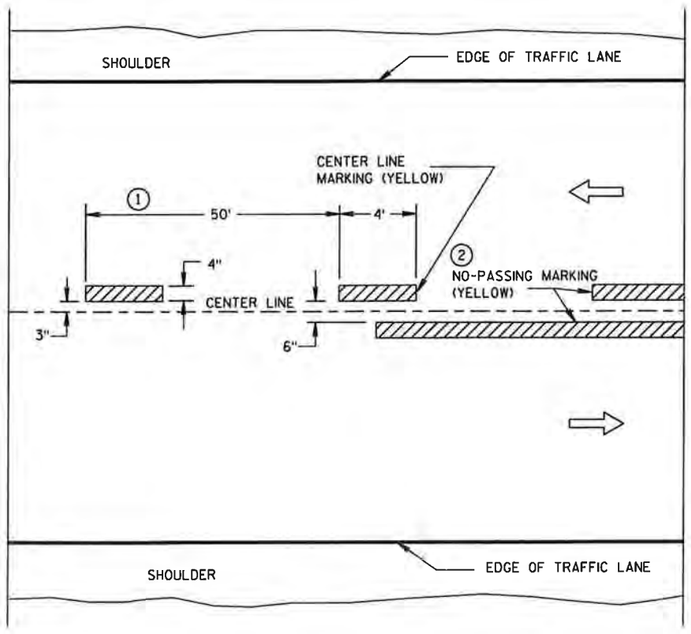


TWO WAY TRAFFIC

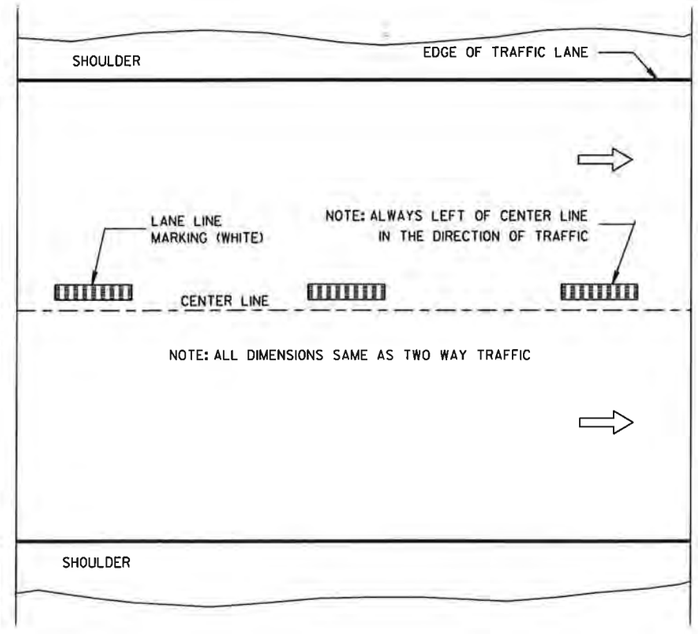


ONE WAY TRAFFIC

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.

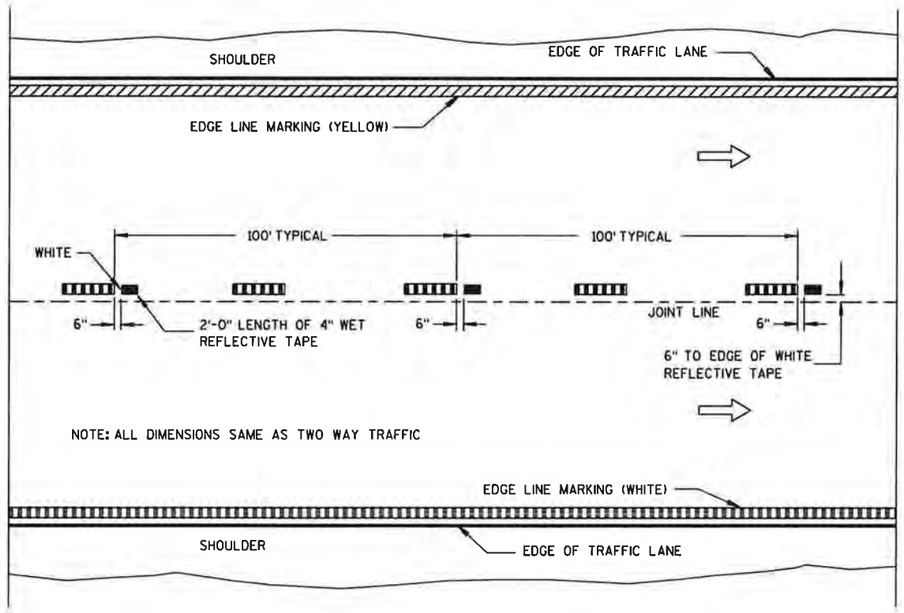
① HALF CYCLE LENGTHS (25'±) WITH 2' MINIMUM STRIPE LENGTHS SHALL BE PROVIDED ON ROADWAYS (INCLUDING TEMPORARY TRAVELED WAYS) WITH REVERSE CURVATURE, CURVATURE OF OVER 5 DEGREES OR WHEN DIRECTED BY THE ENGINEER TO MARK UNUSUAL ALIGNMENT OF THE TRAVELED WAY.

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.

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

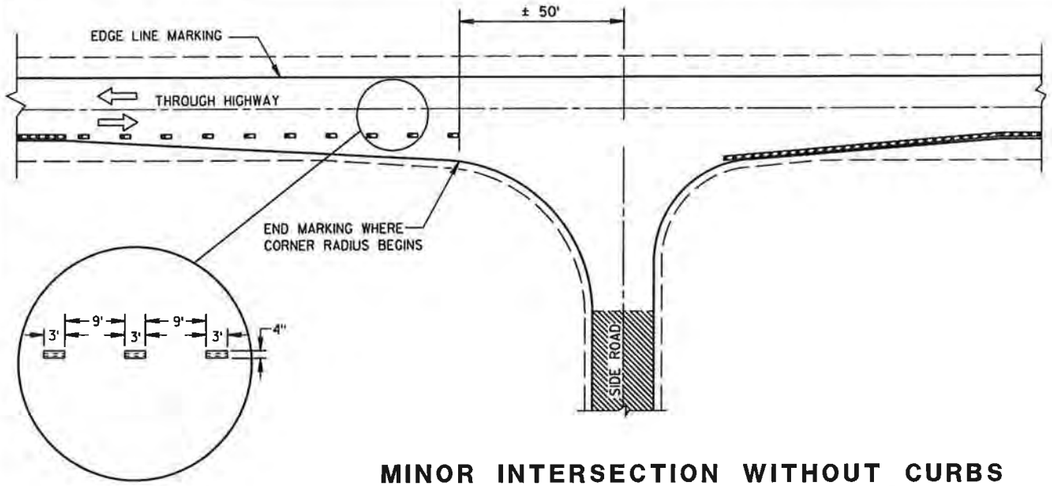
APPROVED
6-23-11 — DATE
/S/ Thomas N. Notbohm — STATE TRAFFIC E[illegible] — SIGN
FHWA

6

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

6

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



MINOR INTERSECTION WITHOUT CURBS

GENERAL NOTES

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

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

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

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

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

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

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

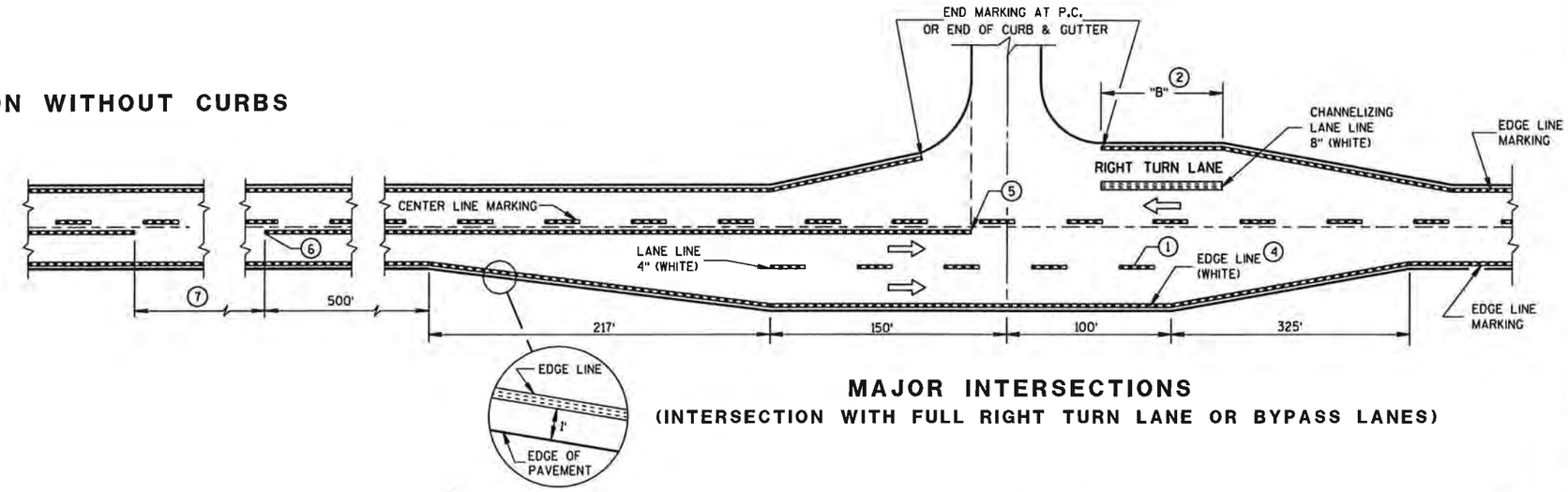
(7) IF THE DISTANCE BETWEEN 2 SUCCESSIVE NO-PASSING ZONES IS LESS THAN THE MINIMUM DISTANCE BETWEEN ZONES, CONNECT THE 2 ZONES.

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

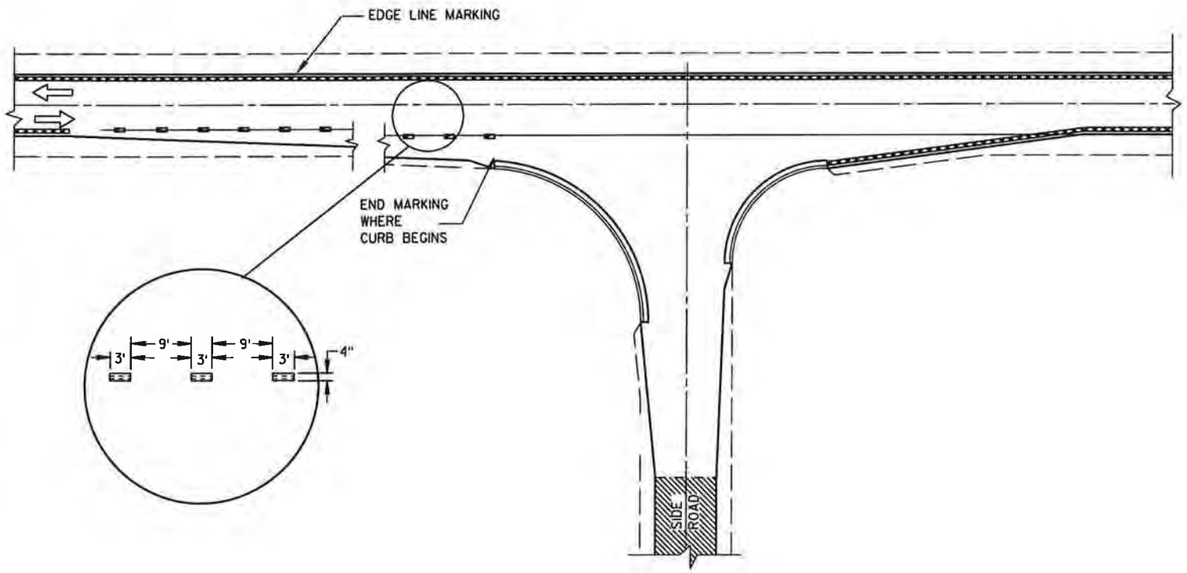
ARROW SYMBOL (⇨) SHOWS DIRECTION OF TRAVEL

(7)

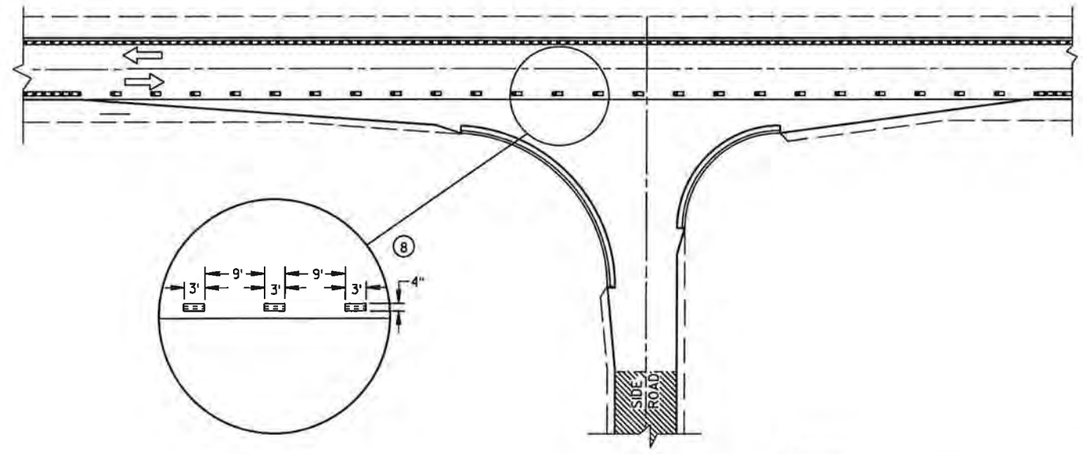
POSTED SPEED (MPH)	MINIMUM DISTANCE BETWEEN ZONES (FEET)
25 - 30	528
35 - 40	528
45 - 50	686
55	792



MAJOR INTERSECTIONS
(INTERSECTION WITH FULL RIGHT TURN LANE OR BYPASS LANES)



MINOR INTERSECTION WITH CURBS
(TYPICAL MARKING)



MINOR INTERSECTION WITH CURBS
(3) (FOR SPECIAL CONDITIONS AS SPECIFIED)

PAVEMENT MARKING (INTERSECTIONS)

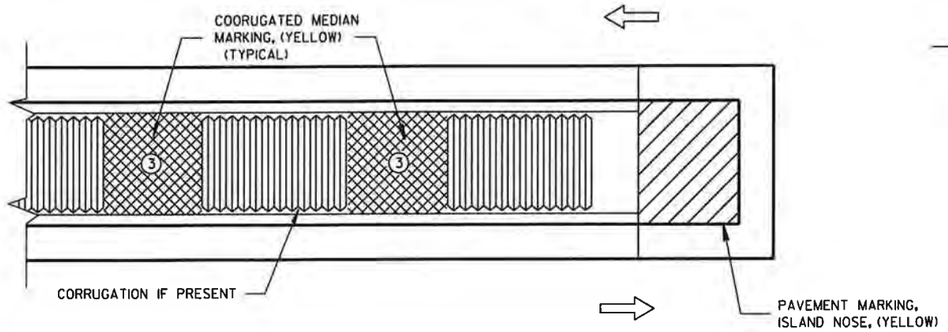
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

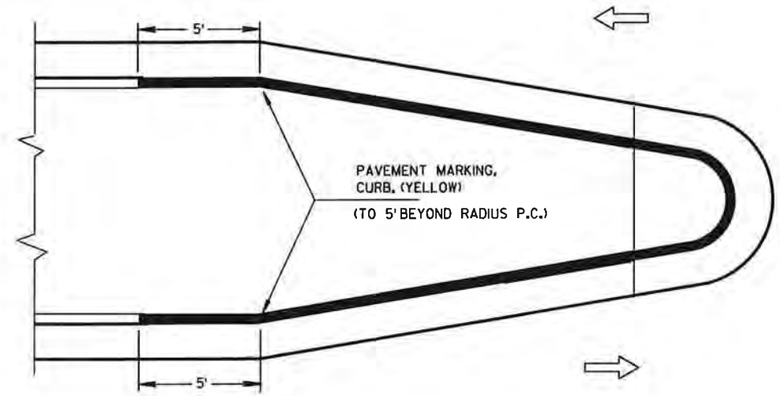
S.D.D. 15 C 8-14b

6

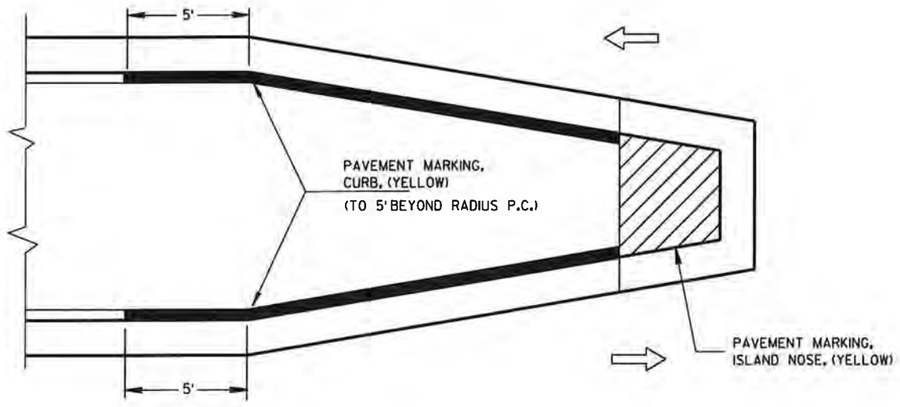
S.D.D. 15 C 8-14b



MEDIAN ISLAND WITH SQUARE BLUNT NOSE

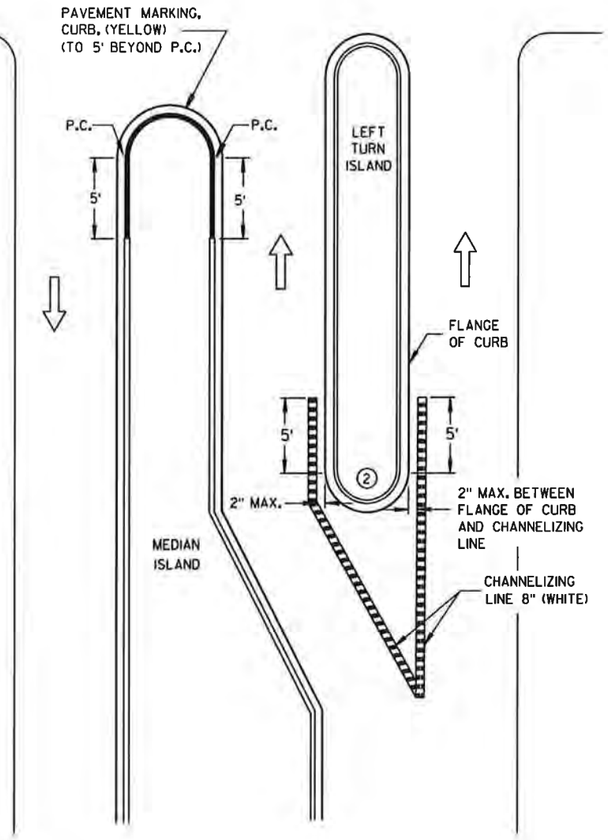


MEDIAN ISLAND WITH ROUND BLUNT NOSE

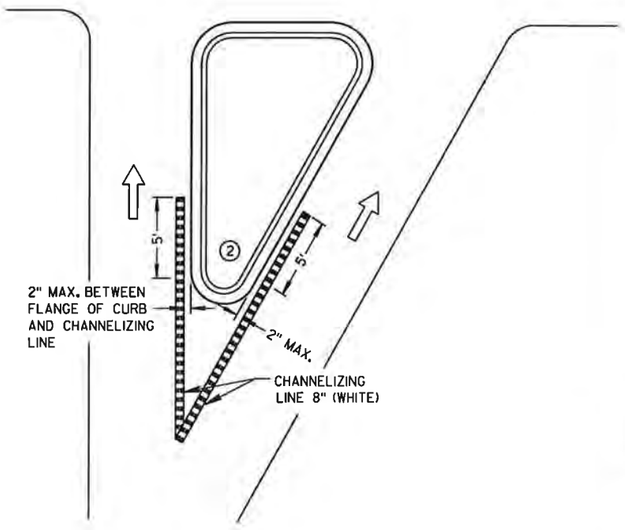


MEDIAN ISLAND WITH SLOPED NOSE

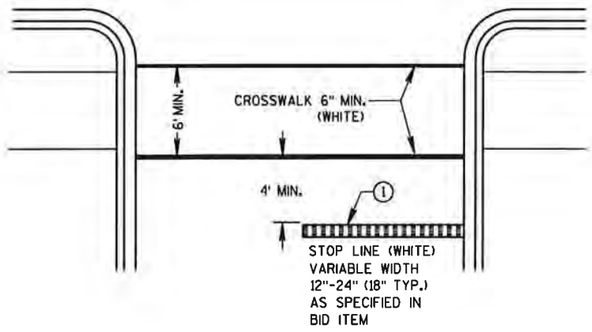
TYPICAL PLACEMENT OF PAVEMENT MARKING ON MEDIAN ISLANDS



LEFT TURN & MEDIAN ISLAND



RIGHT TURN ISLAND



STOP LINE AND CROSSWALK

GENERAL NOTES

1. STOP LINE IS REQUIRED ONLY WHEN SPECIFIED IN THE CONTRACT.
2. DO NOT MARK CURB NOSES THAT SEPARATE LANES OF TRAFFIC TRAVELING IN THE SAME DIRECTION.
3. WHEN CONCRETE CORRUGATED MEDIAN IS CONSTRUCTED TO SEPARATE TRAFFIC OPERATING IN THE OPPOSING DIRECTION YELLOW PAVEMENT MARKING SHALL BE APPLIED TO THE FLAT PORTION OF THE CONCRETE CORRUGATED MEDIAN. THE ITEM OF PAVEMENT MARKING, CONCRETE CORRUGATED MEDIAN, WILL BE MEASURED IN PLACE AND AND ACCEPTED IN ACCORDANCE WITH THE CONTRACT AND PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE FOOT.

LEGEND

- ISLAND NOSE MARKING
- CURB MAKING
- CORRUGATED MEDIAN MARKING
- DIRECTION OF TRAVEL

PAVEMENT MARKING (ISLANDS, STOP LINE & CROSS WALK)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

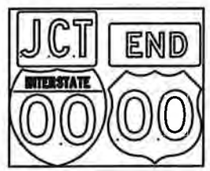
S.D.D. 15 C 8-14f

6

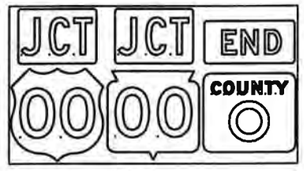
S.D.D. 15 C 8-14f

TYPICAL ASSEMBLIES

J1-1



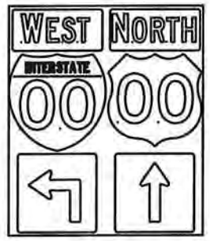
J1-2



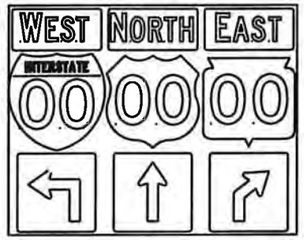
J1-3

JV

J2-1



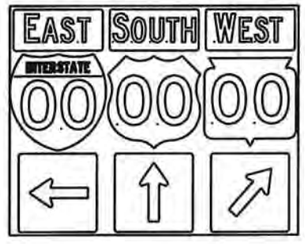
J2-2



J2-3

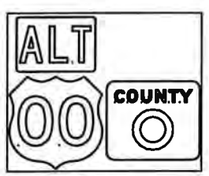
J3-1

J3-2

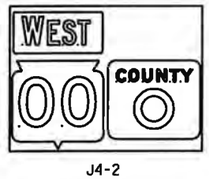


J3-3

J4-1



J4-2



J4-2

J13-1

J12-1

J32-1

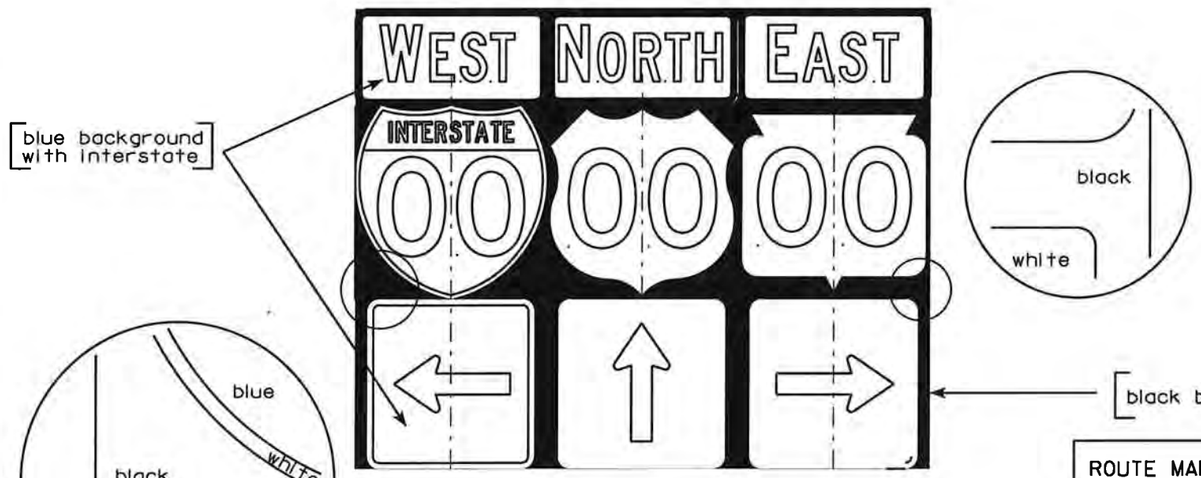
J33-1

J23-1

J22-1

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 since base material is plywood.
5. The colors and message spacing on each marker shall be according to the applicable route marker panel specifications.
6. Certain marker heads require the component pieces to be the same color. As an example, all the components used with an M1-1 interstate marker shall be blue.
7. Single panel J-assemblies shall only be used with route marker shields that are same size. If the route marker shields are different size use multiple piece component.
8. Route assemblies that have 24 inch route shields and have dimensions greater than 48 inches (both vertical and horizontal) shall have one horizontal splice between the arrows and route shields. Vertical splices shall not be used on route assemblies with a horizontal dimension of 144 inches or less. The contractor shall not use more than one vertical joint per sign and the joint shall be between route shields.
9. Route assemblies that have 36 inch shields and have dimensions greater than 48 inchs (both vertical and horizontal) shall have two horizontal splices. One horizontal splice shall be between the cardinal direction and route shields and the other horizontal splice shall be between the arrows and route shields. Vertical splices shall not be used on route assemblies with a horizontal dimension of 144 or less. The contractor shall not use more than one vertical joint per sign and the joint shall be between route shields.



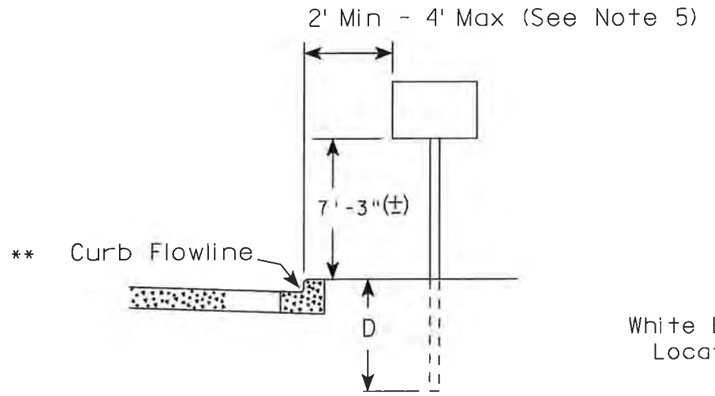
ROUTE MARKERS & COMPONENTS IN TYPICAL ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

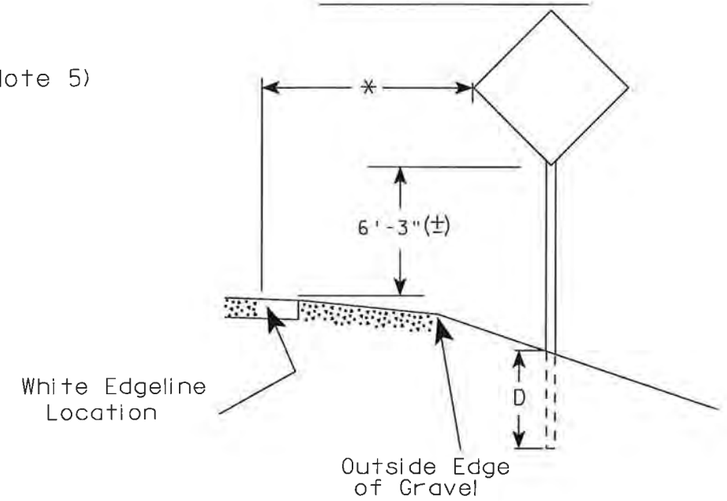
APPROVED Matthew R Rauch
For State Traffic Engineer

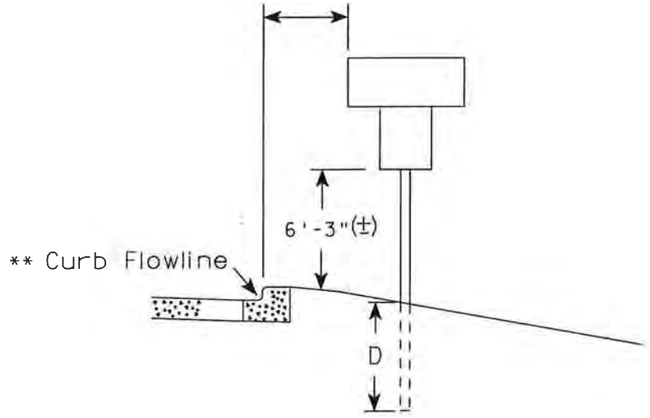
DATE 10/21/09 PLATE NO. A2-1S.6

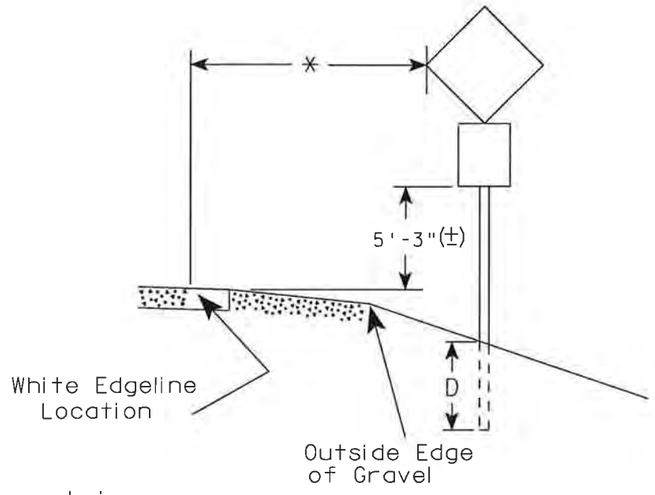
URBAN AREA



RURAL AREA (See Note 2)







** The existence of curb and gutter does not in itself mandate the vertical clearance illustrated. That height is typically measured where there is sidewalk adjacent to the roadway or parking is permitted. In the absence of sidewalk vertical clearance is measured from the top of the curb. Offset of signs is measured from the flow line.

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

GENERAL NOTES

1. Signs wider than 4 feet or larger than 20 sq. ft. shall be mounted on multiple posts. Refer to plate A4-4.
2. If signs are mounted on barrier wall, see A4-10 sign plate.
3. For expressways and freeways, mounting height is 7'- 3" (±) or 6'-3" (±) depending upon existence of a sub-sign.
4. Minimum mounting height for J assemblies (A4-5) is 7'-3" (±) or 6'-3" (±) per urban or rural detail respectively.
5. Minimum mounting height for signs mounted on traffic signal poles is 5'- 3" (±).
6. Offset distance shall be consistent with existing signs or consistent throughout length of project.
7. The (±) tolerance for mounting height is 3 inches.
8. Folding stop signs (R1-1F) shall be mounted at a height of 5'-3" (±) or as directed by the Engineer.
9. The Double Arrow sign (W12-1) shall be mounted at a height of 2'-3" (±). The Chevron sign (W1-8), Roundabout Chevron panel (W1-8A), Clearance Markers (W5-52), Mile Markers (D10 series) & End of Road Markers (W5-56 & W5-56A) shall be mounted at a height of 4'-3" (±).

POST EMBEDMENT DEPTH

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

TYPICAL INSTALLATION OF PERMANENT TYPE II SIGNS ON SINGLE POSTS

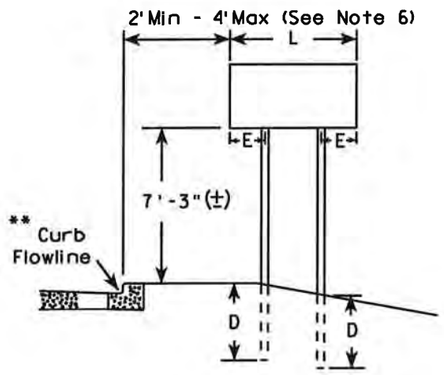
WISCONSIN DEPT OF TRANSPORTATION

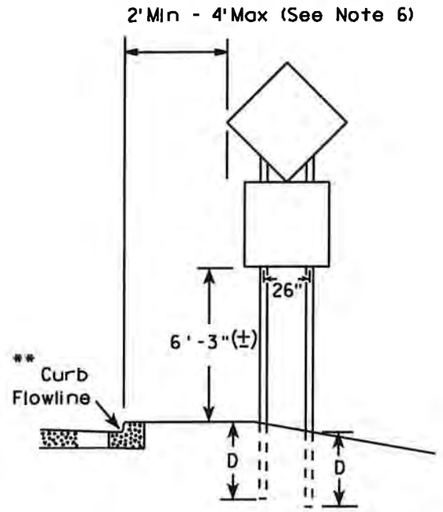
APPROVED Matthew R Rauch for State Traffic Engineer

DATE 9/30/09 PLATE NO. A4-3.15

PROJECT NO:	HWY:	COUNTY:		SHEET N115	E

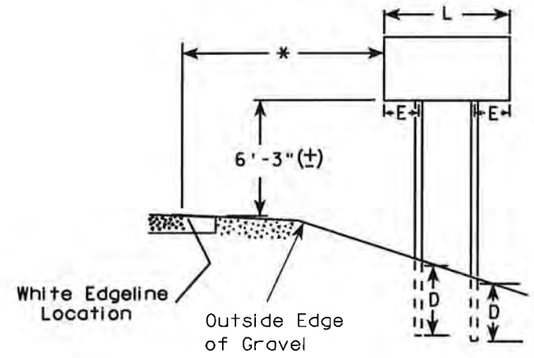
URBAN AREA

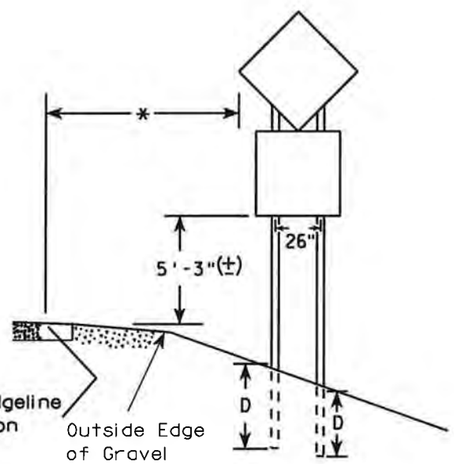




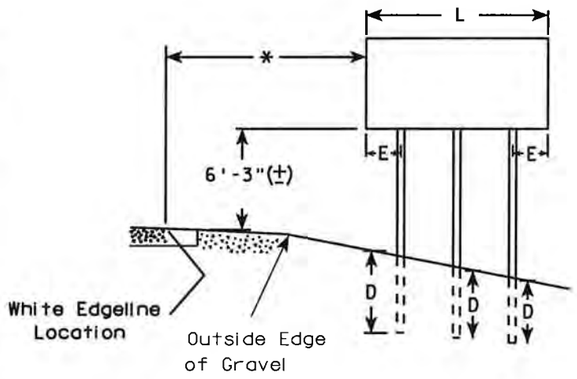
48" DIAMOND WARNING SIGN

RURAL AREA (See Note 3)





48" DIAMOND WARNING SIGN



GENERAL NOTES

1. For multiple post installations, individual post spacing shall be greater than 3'-6".
2. See tables below for required number of posts.
3. For expressways and freeways, mounting height is 7'-3" (±) or 6'-3" (±) depending upon existence of sub-sign.
4. The (±) tolerance for mounting height is 3 inches.
5. Minimum mounting height for J assemblies (A4-5) is 7'-3" (±) or 6'-3" (±) per urban or rural detail respectively.
6. Offset distance shall be consistent with existing signs or consistent throughout length of project.
7. Folding stop signs (R1-1F) shall be mounted at a height of 5'-3" (±) or as directed by the engineer.
8. The Double Arrow sign (W12-1) shall be mounted at a height of 2'-3" (±). The Chevron sign (W1-8), Roundabout Chevron panel (W1-8A), Clearance Markers (W5-52), Mile Markers (D10 series) & End of Road Markers (W5-56 & W5-56A) shall be mounted at a height of 4"-3" (±).

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

** The existence of curb and gutter does not in itself mandate the vertical clearance illustrated. That height is typically measured where there is sidewalk adjacent to the roadway or parking is permitted. In the absence of sidewalk vertical clearance is measured from the top of the curb. Offset of signs is measured from the flow line.

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

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

***

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

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

POST EMBEDMENT DEPTH

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

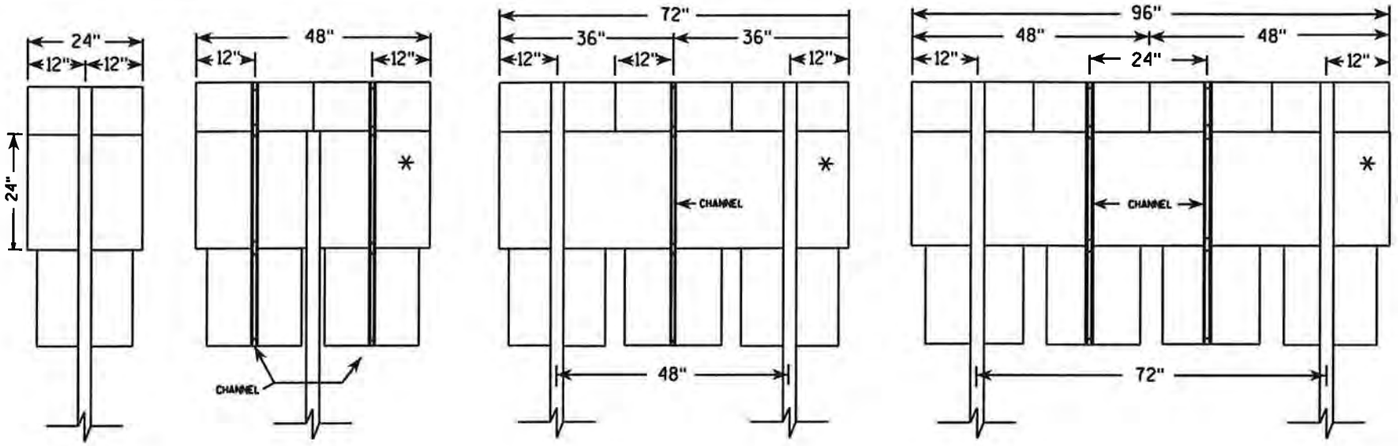
TYPICAL INSTALLATION OF TYPE II SIGNS ON MULTIPLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 9/30/09 PLATE NO. A4-4.10

PROJECT NO:	HWY:	COUNTY:		SHEET N 116	E



24" MARKER DETAIL

NOTES:

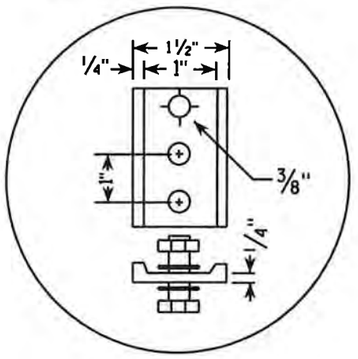
1. Post spacing shall be according to this detail but post embedment depth shall be in accordance with A4-4.
2. Channel material shall be as specified in Section 633 of Std. Specs. and weight shall be approx. 1.4 lbs/ft.
3. Base material for a multiple marker head panel (*) shall be one piece high density overlay plywood. All other materials within the assembly can be either plywood or aluminum.

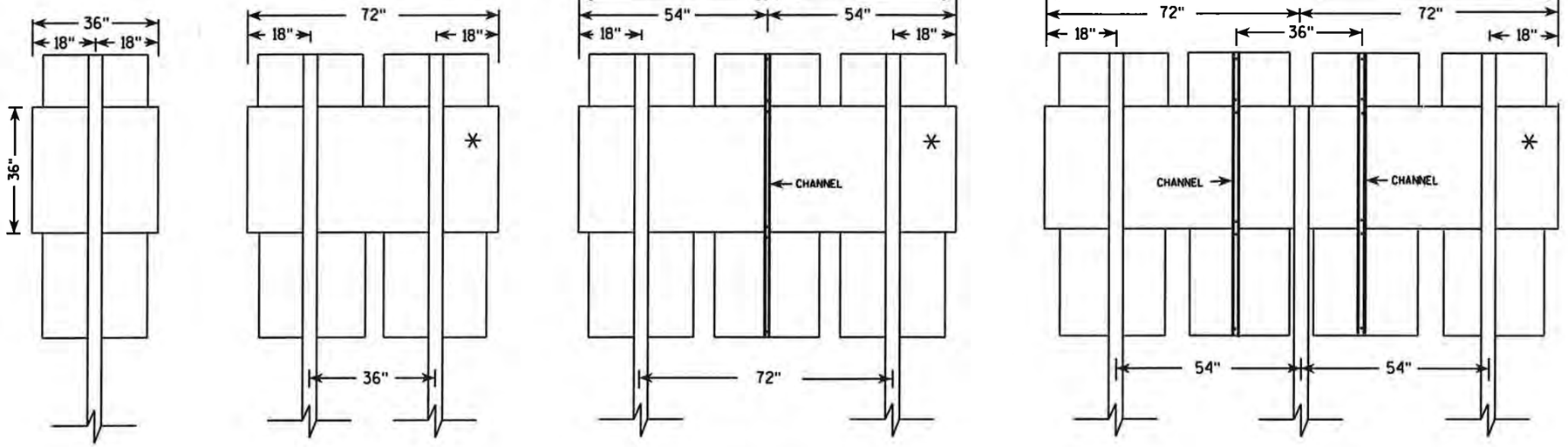
CHANNEL HARDWARE:

Aluminum Sign components: -1/4" x 3/4" bolt and 1/4" flat washers

Plywood Sign Components: -1/4" x 1 1/4" bolt and 1/4" flat washers

CHANNEL DETAIL





36" MARKER DETAIL

TYPICAL PANEL INSTALLATION FOR ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Chester J Spang for State Traffic Engineer

DATE 10/28/96 PLATE NO. A4-5.4

PROJECT NO:

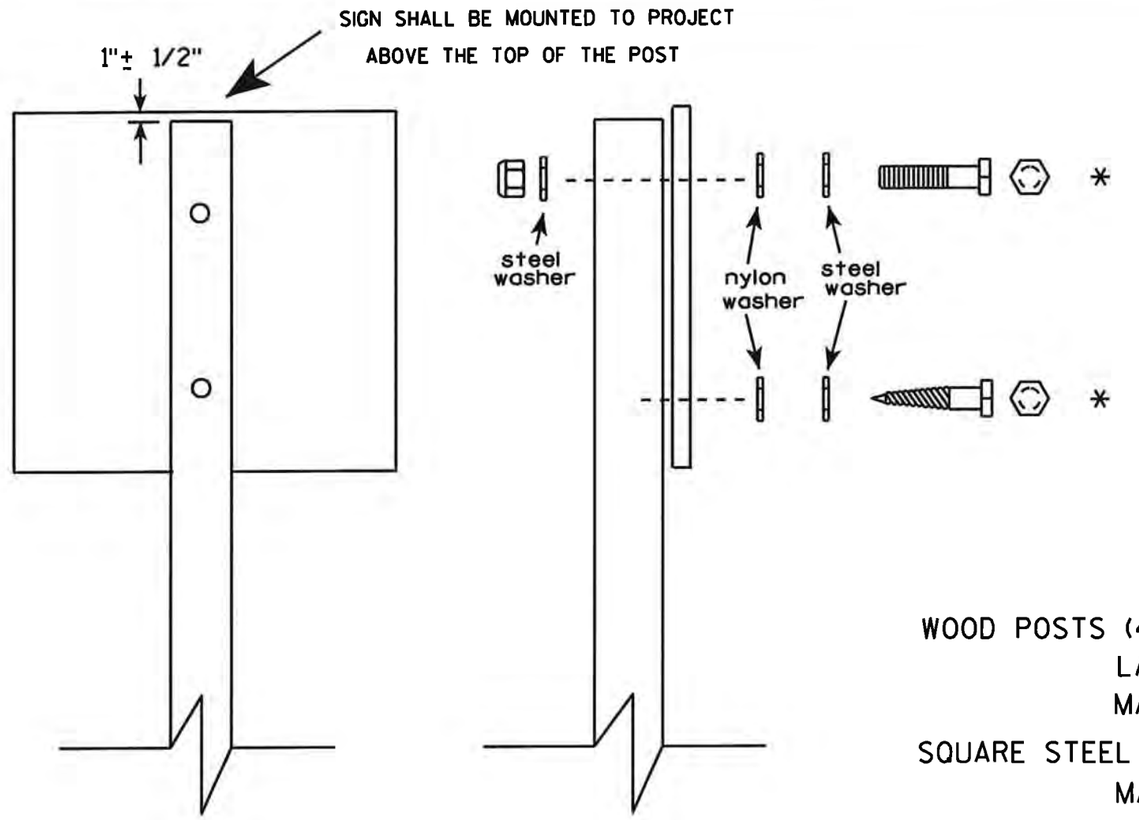
SHEET N 117 E

7

7

FILE NAME : C:\Users\Projects\tr_stdplate\A45.DGN PLOT DATE : 18-OCT-2005 11:00 PLOT BY : DOTSJA

WISDOT/CADDS SHEET 42



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

a. Hot dip galvanized in accordance with ASTM Designation: A 153, Class D, or SC 3

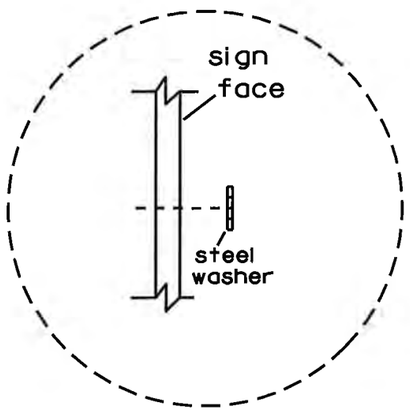
b. Electro-galvanized in accordance with ASTM Designation : B 633, TYPE III, SC 3.

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

WOOD POSTS (4" x 4" or 4" x 6")
- LAG SCREWS - 3/8" X 3"
- MACHINE BOLTS - 5/16" X 6-1/2" or 7" Length w/ nuts

SQUARE STEEL POSTS (2" x 2")
- MACHINE BOLTS - 3/8" X 3-1/4" Length w/ nuts
- RIVETS - 9/32 " (6605-9-6) BULB-TITE, TRI-FOLD, ALUMINUM BODY/MANDREL O.D. FLANGE .720-.765 INCH, GRIP RANGE .042-.375 INCH

WASHERS (ALL POSTS) -
- 1-1/4" O.D. X 3/8" I.D. X 1/16" STEEL
- 1-1/4" O.D. X 3/8" I.D. X .080 NYLON for all Type H signs.



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

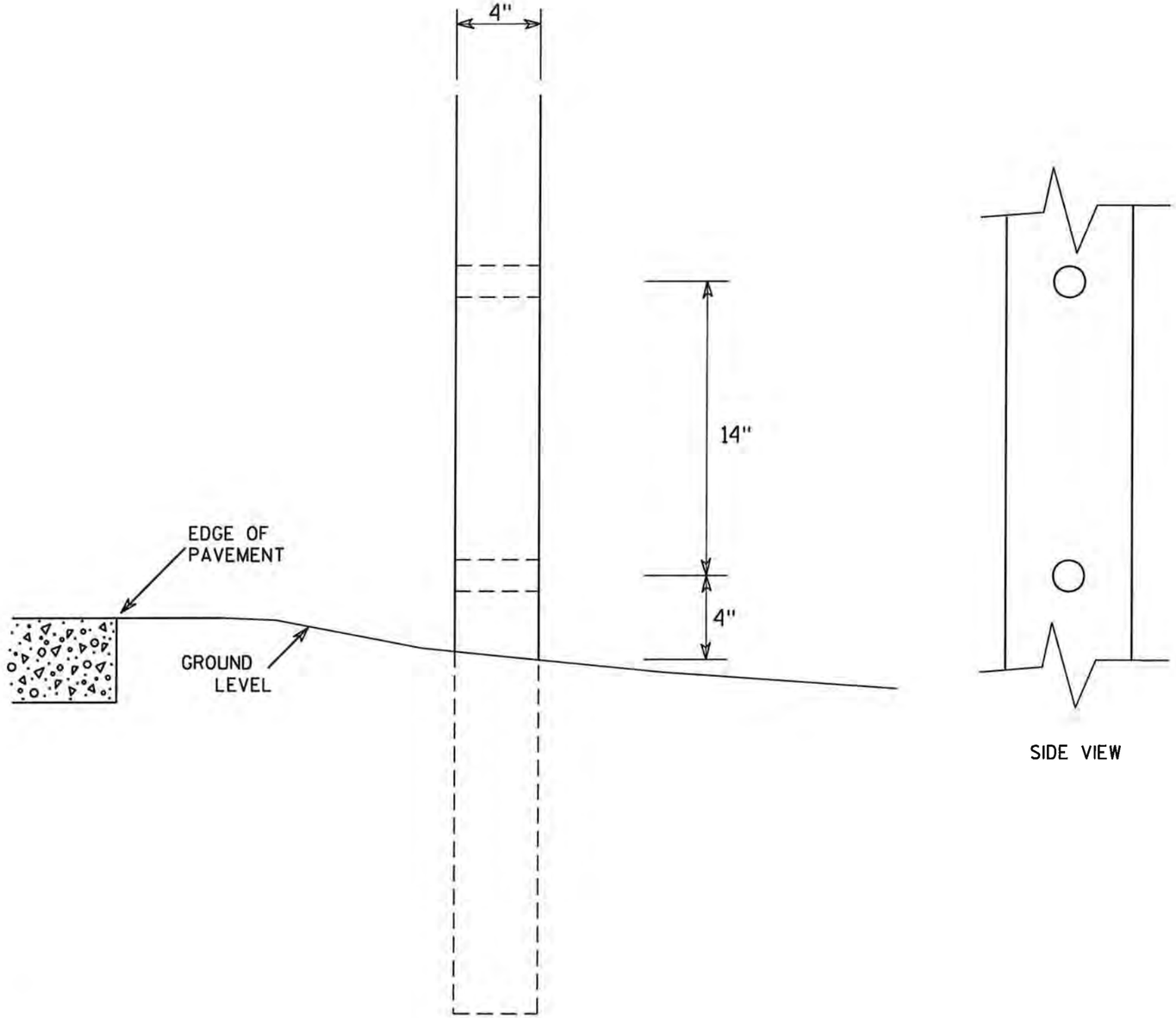
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/23/10 PLATE NO. A4-8.7

PROJECT NO:

SHEET N118 E



SIDE VIEW

GENERAL NOTES

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

7

7

4 X 6 WOOD POST MODIFICATIONS

WISCONSIN DEPT OF TRANSPORTATION

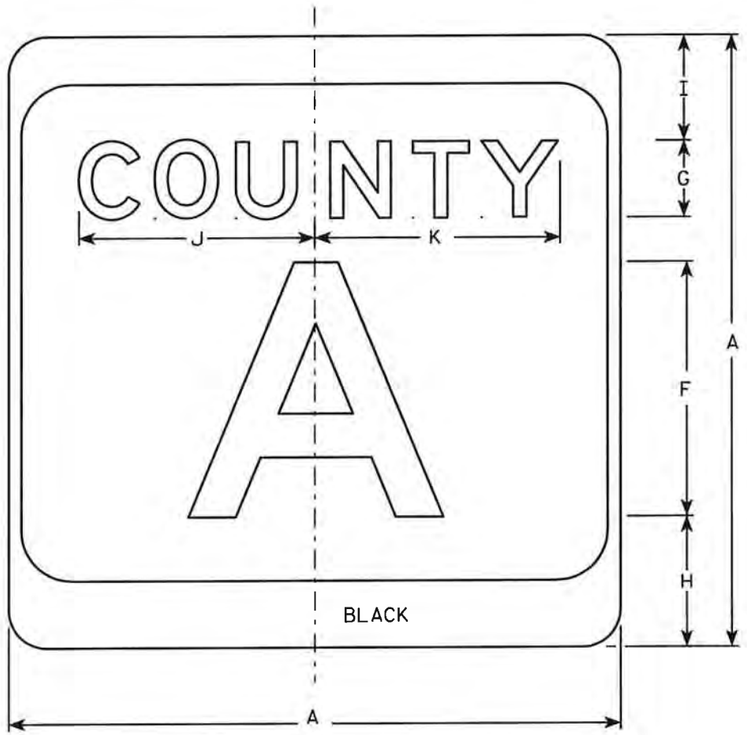
APPROVED Chester J Spang
for State Traffic Engineer

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

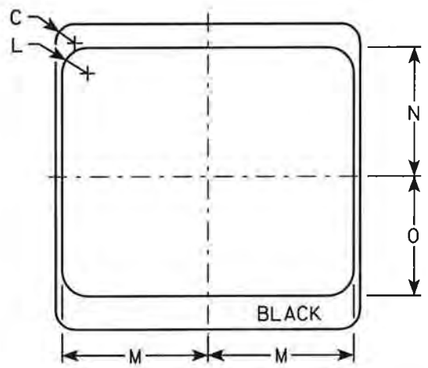
PROJECT NO:	HWY:	COUNTY:		SHEET N119	E

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 appropirate letters & optically adjust spacing to achieve proper balance.
7. Permanent Signs
   Background - Type H Reflective
   Detour or temporary Signs
   Background - Reflective



M1-5A



Metric equivalent for this sign is:

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

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.	Area m^2
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												4.0	.36
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												9.0	.81
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												9.0	.81
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												9.0	.81

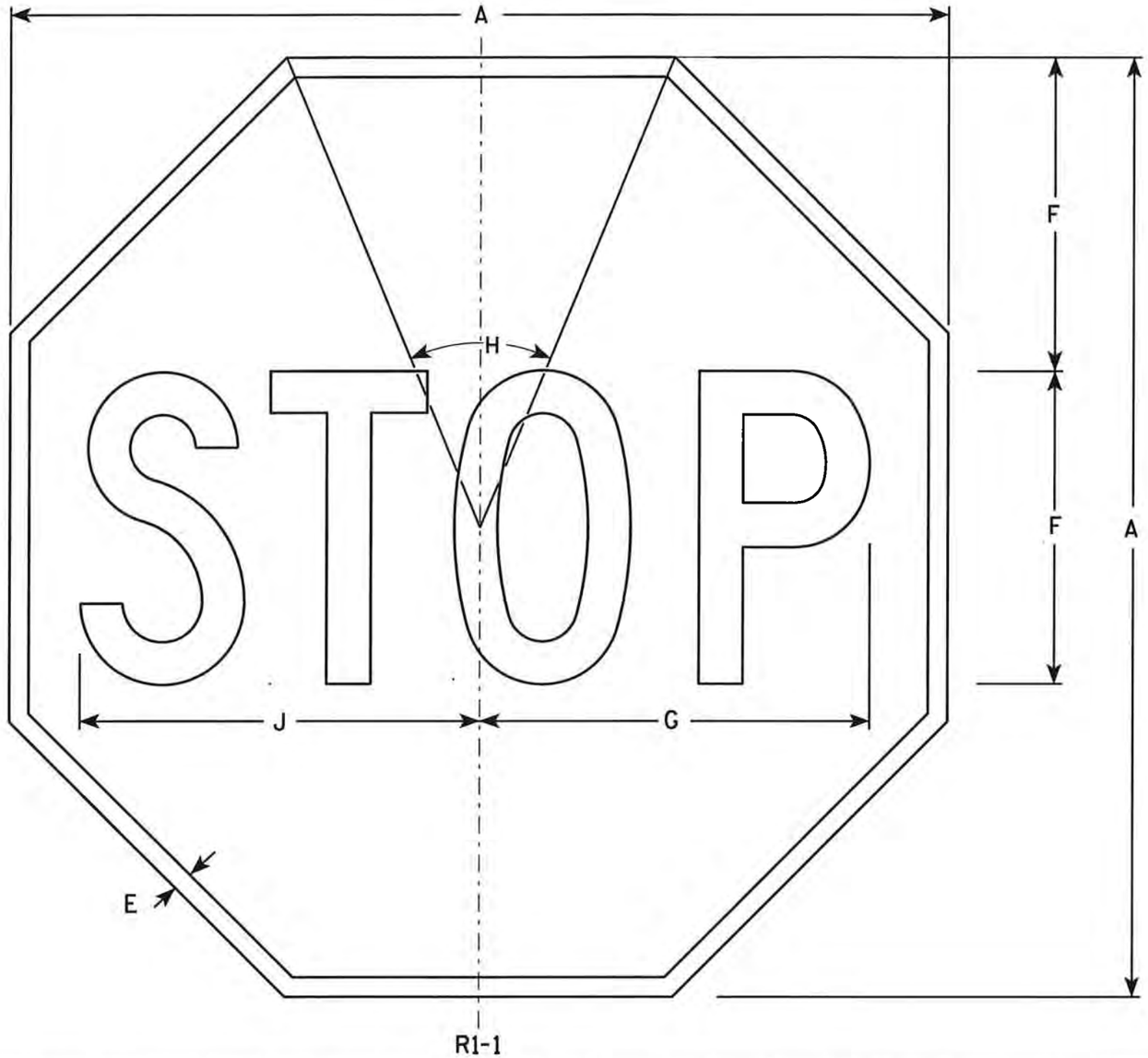
CTH MARKER
M1-5A FOR ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Chester J Spay for State Traffic Engineer

DATE 3/20/02 PLATE NO. M1-5A.7

PROJECT NO: | HWY: | COUNTY: | SHEET N 120 | E



NOTES

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

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	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

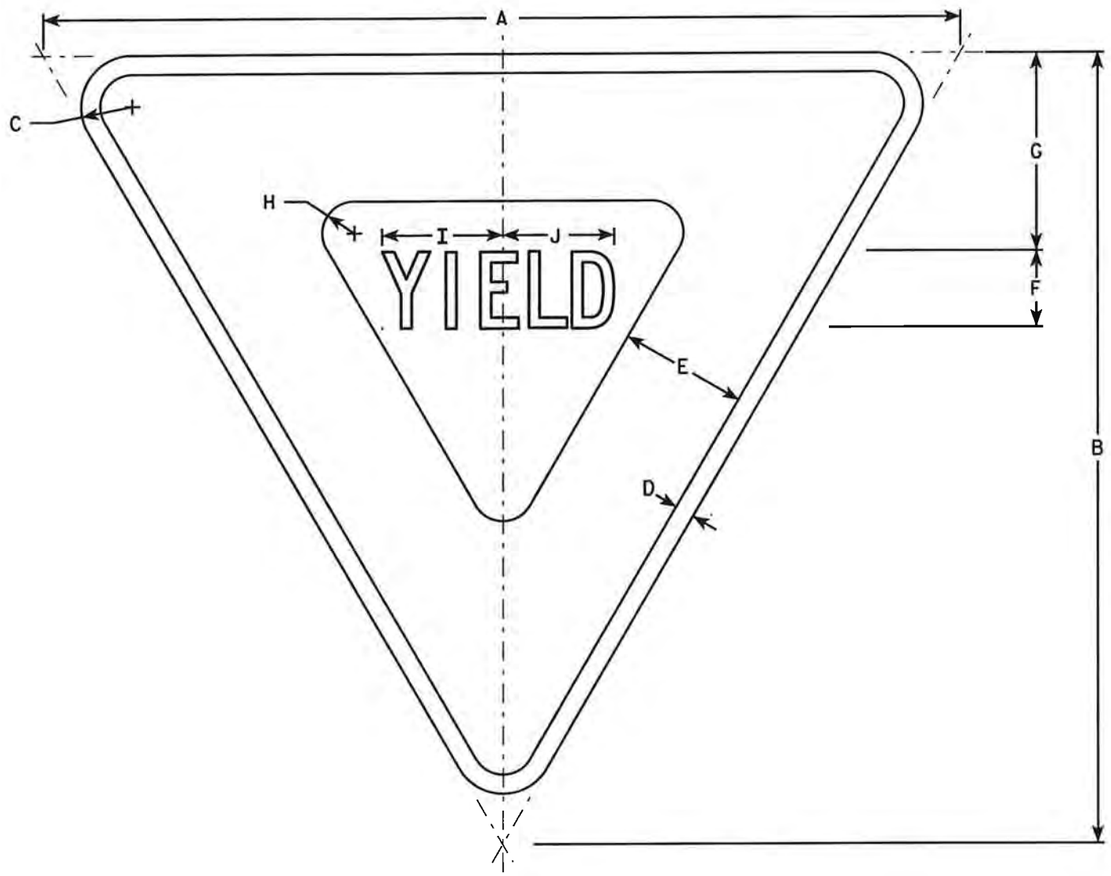
STANDARD SIGN
R1-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/03/10 PLATE NO. R1-1.12

PROJECT NO:	HWY:	COUNTY:		SHEET N 121	E



R1-2

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 - 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. The border strip and word message are reflectorized red.

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	26	1 1/2	5/8	4	2 1/2	6 3/8	7/8	4	3 5/8																	2.71
2S	36	31	2	3/4	5	3	7 3/4	1 1/4	4 3/4	4 3/8																	3.88
2M	48	42	3	1	6	4	9 3/4	2	6 1/4	5 7/8																	7.00
3	48	42	3	1	6	4	9 3/4	2	6 1/4	5 7/8																	7.00
4	48	42	3	1	6	4	9 3/4	2	6 1/4	5 7/8																	7.00
5	60	52	3	1 1/2	8	5	13	2 1/2	7 7/8	7 1/4																	10.83
6	24	21	1 1/2	3/8	3	2	4 3/4	7/8	3 1/4	3																	1.75
7	18	15 1/2	1	3/8	2 1/2	1 1/2	3 7/8	5/8	2 3/8	2 1/4																	0.97

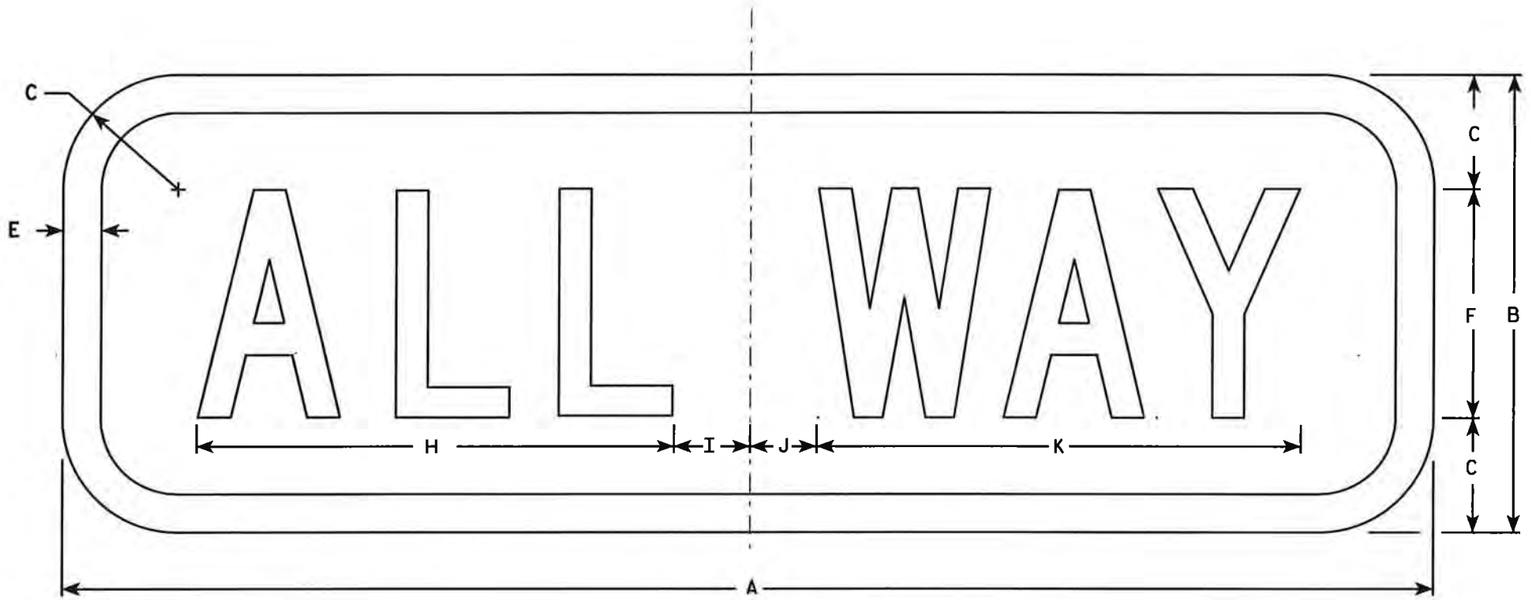
STANDARD SIGN
R1-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/02/10 PLATE NO. R1-2.11

PROJECT NO:	HWY:	COUNTY:		SHEET N 122	E



R1-3P

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
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	18	6	1 1/2		1/2	3		6 1/4	1 1/4	7/8	6 3/8																0.75
2S	18	6	1 1/2		1/2	3		6 1/4	1 1/4	7/8	6 3/8																1.5
2M	24	9	1 1/2		1/2	5		9 1/4	1 1/4	3/4	9 3/4																1.5
3	30	12	2 1/4		5/8	6		11	2 1/4	1 1/2	11 3/4																2.5
4																											
5																											

STANDARD SIGN
R1-3P

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/02/10 PLATE NO. R1-3P.1

PROJECT NO:	HWY:	COUNTY:		SHEET N 123	E

R1-54

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 - B

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24	15	1 1/8	3/8	3/8	4	2 5/8	1 3/4	3 3/4	2	4 1/8	9 3/4	8 7/8	5/8	1 7/8	7 3/4											2.5
2M	24	15	1 1/8	3/8	3/8	4	2 5/8	1 3/4	3 3/4	2	4 1/8	9 3/4	8 7/8	5/8	1 7/8	7 3/4											2.5
3																											
4																											
5																											

STANDARD SIGN
R1-54

WISCONSIN DEPT OF TRANSPORTATION

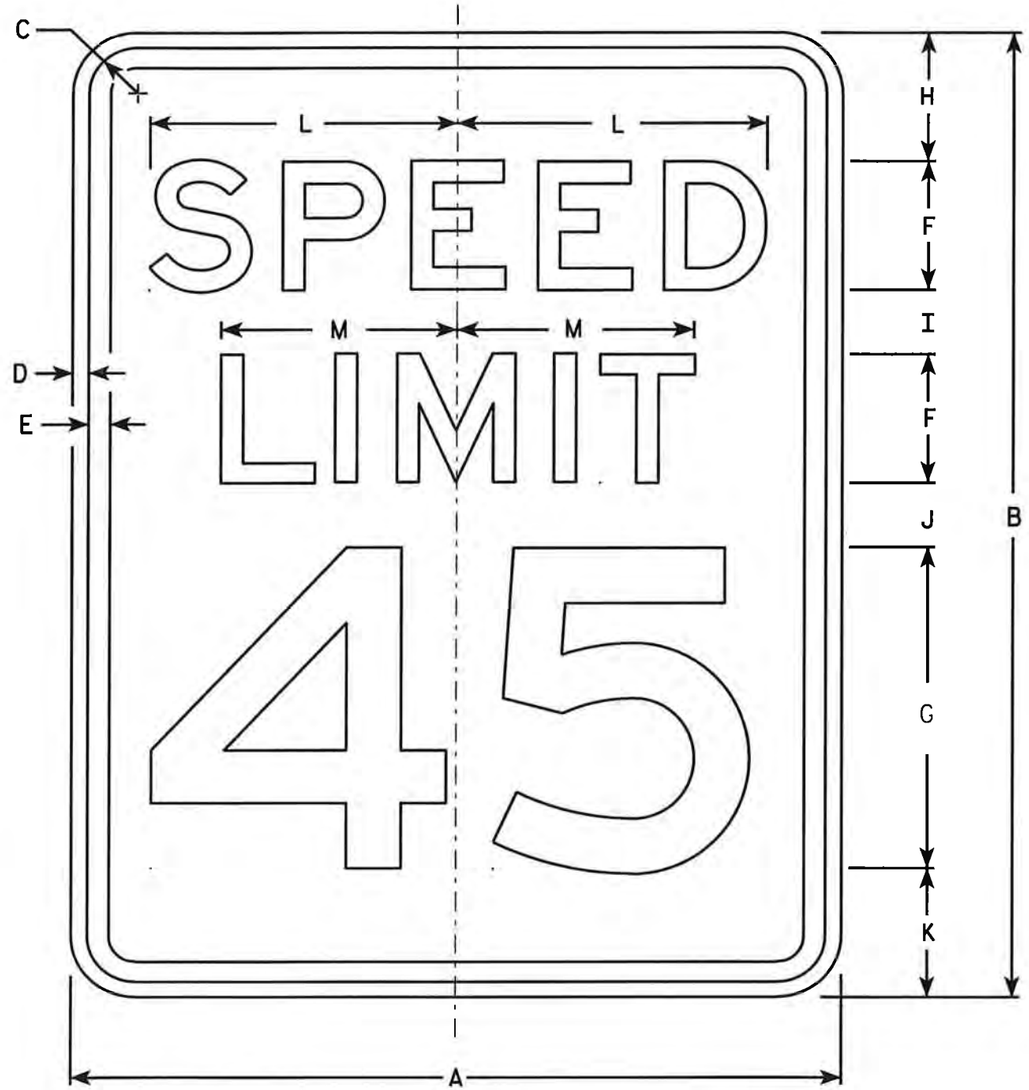
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/03/10 PLATE NO. R1-54.2

PROJECT NO: | HWY: | COUNTY: | SHEET N 124 | E

7

FILE NAME : C:\Users\PROJECTS\tr_stdplate\R154.DGN PLOT DATE : 03-DEC-2010 08:47 PLOT BY : dotsja PLOT NAME : PLOT SCALE : 4.965868:1.000000 WISDOT/CADDS SHEET 42



R2-1

NOTES

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

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

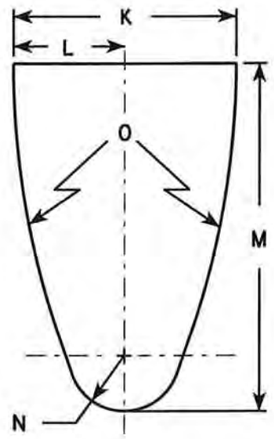
STANDARD SIGN
R2-1

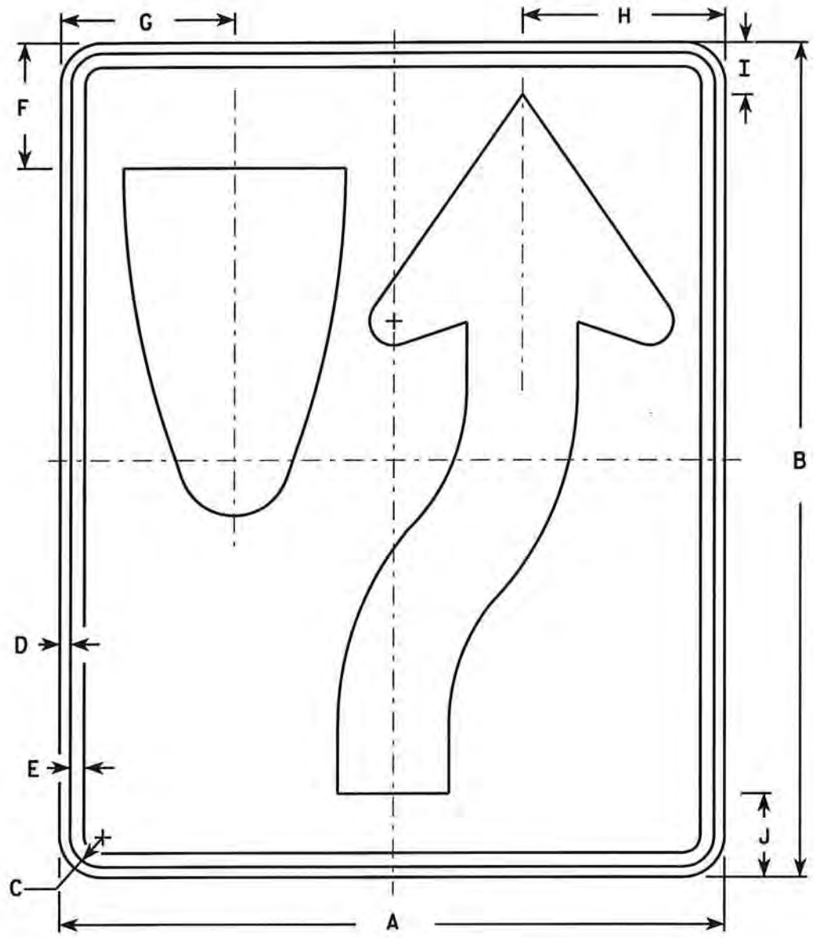
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

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

PROJECT NO: | HWY: | COUNTY: | SHEET N 125 | E

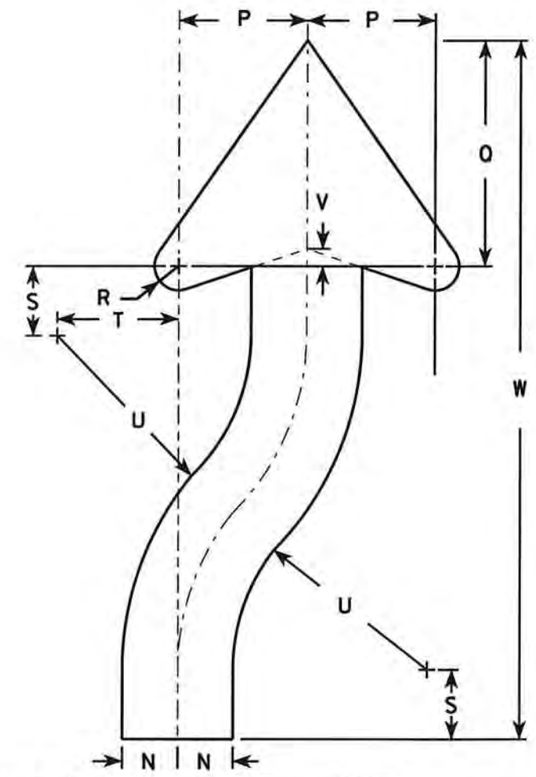




R4-7

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition. material is plywood but borders shall be rounded
2. Color:
   Background - White
   Message - Black
3. Corners may be square or rounded when base as shown. When base material is metal, the corners and borders shall be rounded.
4. R4-8 is the same as R4-7 except Legend is reversed.



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	18	24	1 1/8	3/8	1/2	3 3/8	4 3/4	5 1/2	1 3/8	2 1/4	6	3	9 3/8	1 1/2	22 1/2	3 1/2	6 1/8	5/8	1 7/8	3 1/4	6 3/4	1/2	20 3/8				3.0
2S	24	30	1 1/8	3/8	1/2	4 1/2	6 1/4	7 3/8	1 7/8	3	8	4	12 1/2	2	30	4 5/8	8 1/8	7/8	2 1/2	4 3/8	9	5/8	25 1/8				5.0
2M	24	30	1 1/8	3/8	1/2	4 1/2	6 1/4	7 3/8	1 7/8	3	8	4	12 1/2	2	30	4 5/8	8 1/8	7/8	2 1/2	4 3/8	9	5/8	25 1/8				5.0
3	36	48	1 3/4	1/2	5/8	6 3/4	9 3/8	11 1/8	2 7/8	4 1/2	12	6	18 3/4	3	45	6 7/8	12 1/4	1 1/4	3 3/4	6 5/8	13 1/2	1	40 3/4				12.0
4	36	48	1 3/4	1/2	5/8	6 3/4	9 3/8	11 1/8	2 7/8	4 1/2	12	6	18 3/4	3	45	6 7/8	12 1/4	1 1/4	3 3/4	6 5/8	13 1/2	1	40 3/4				12.0
5	48	60	2 1/4	3/4	1	9	12 1/2	14 3/4	3 3/4	6	16	8	25	4	60	9 1/4	16 1/4	1 5/8	5	8 3/4	18	1 1/4	50 1/4				20.0

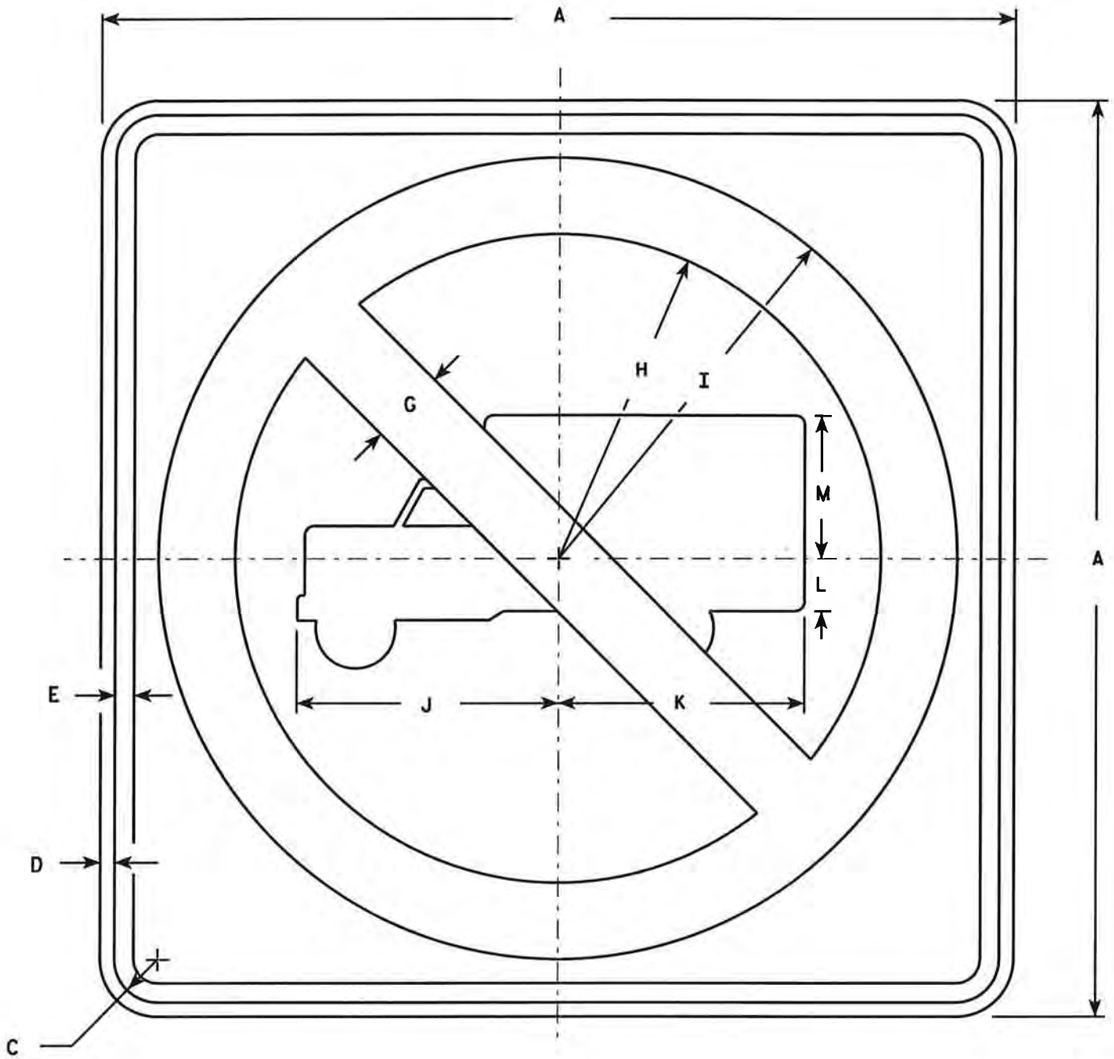
STANDARD SIGN
R4-7 & R4-8

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch for State Traffic Engineer

DATE 3/25/2011 PLATE NO. R4-7.8

PROJECT NO:	HWY:	COUNTY:		SHEET N 126	E



R5-2

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 - See Note 4
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. Circle & Diagonal - Reflective red.
   Truck Symbol & Border - Non-reflective black.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24		1 1/8	3/8	1/2		2	8 1/2	10 1/2	6 7/8	6 1/2	1 3/8	3 3/4														4.0
2M	24		1 1/8	3/8	1/2		2	8 1/2	10 1/2	6 7/8	6 1/2	1 3/8	3 3/4														4.0
3	30		1 3/8	1/2	5/8		2 1/2	10 5/8	13 1/8	8 1/2	8 1/8	1 5/8	4 3/4														6.25
4	36		1 5/8	5/8	3/4		3	12 3/4	15 3/4	10 1/4	9 3/4	2	5 3/4														9.0
5	48		2 1/4	3/4	1		4	17	21	13 5/8	13	2 5/8	7 5/8														16.0

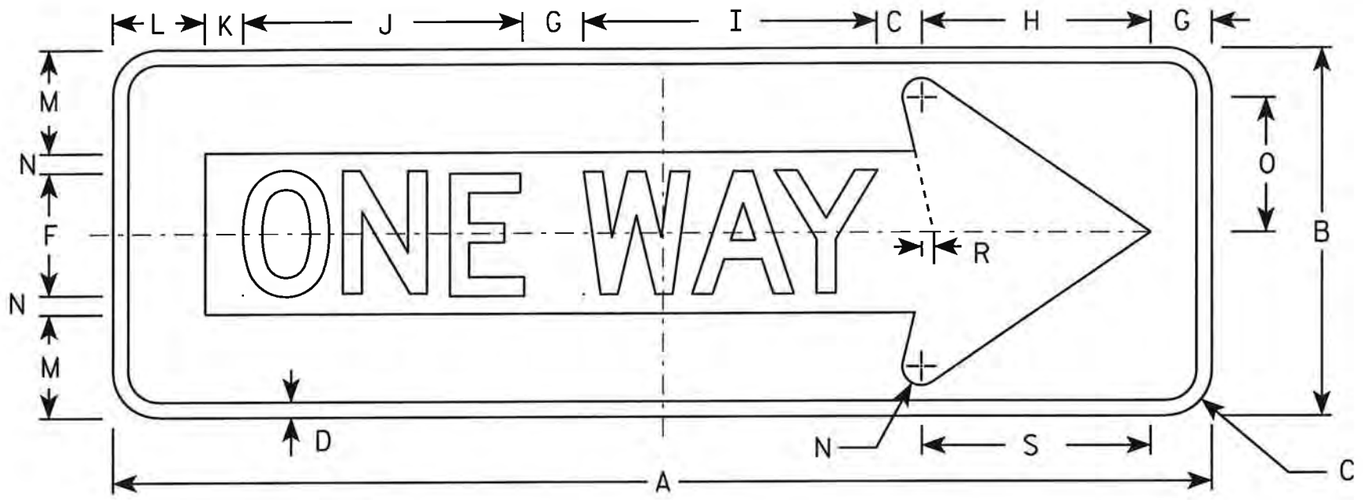
STANDARD SIGN
R5-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/29/2011 PLATE NO. R5-2.6

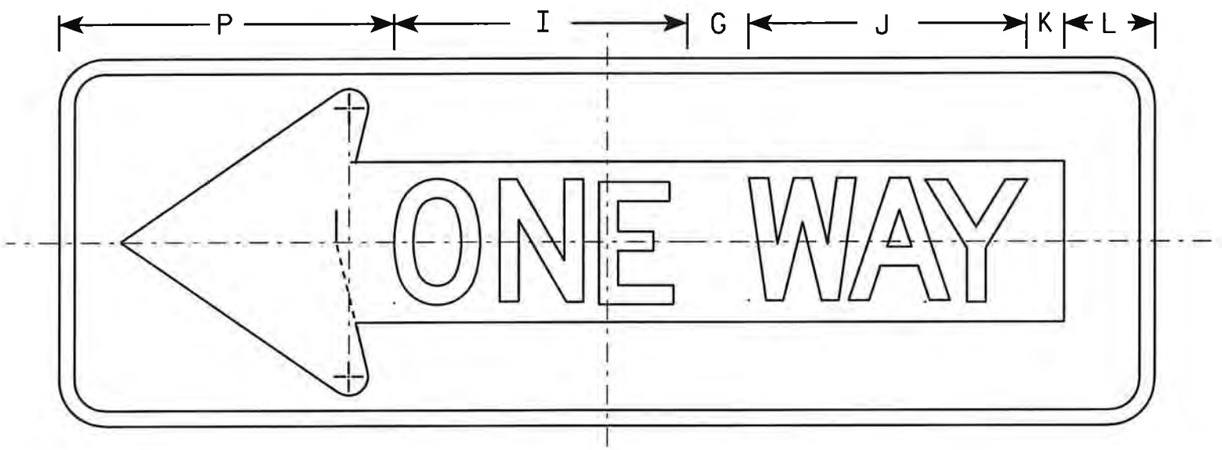
PROJECT NO:	HWY:	COUNTY:		SHEET N 127	E



R6-1R

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - BLACK
   Message - BLACK LEGEND & WHITE ARROW & BORDER
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.



R6-1L

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	36	12	1 1/2	1/2		4	2	7 1/2	9 5/8	9 1/8	1 1/4	3	3 3/8	5/8	4 3/8	11		3/8	7 1/2								3.0
2M	54	18	2 1/4	3/4		6	3	11 1/4	14 1/2	13 5/8	1 7/8	4 1/2	5	1	6 1/2	16 1/2		5/8	11 1/4								6.75
3	54	18	2 1/4	3/4		6	3	11 1/4	14 1/2	13 5/8	1 7/8	4 1/2	5	1	6 1/2	16 1/2		5/8	11 1/4								6.75
4	54	18	2 1/4	3/4		6	3	11 1/4	14 1/2	13 5/8	1 7/8	4 1/2	5	1	6 1/2	16 1/2		5/8	11 1/4								6.75
5																											

STANDARD SIGN
R6-1 L & R

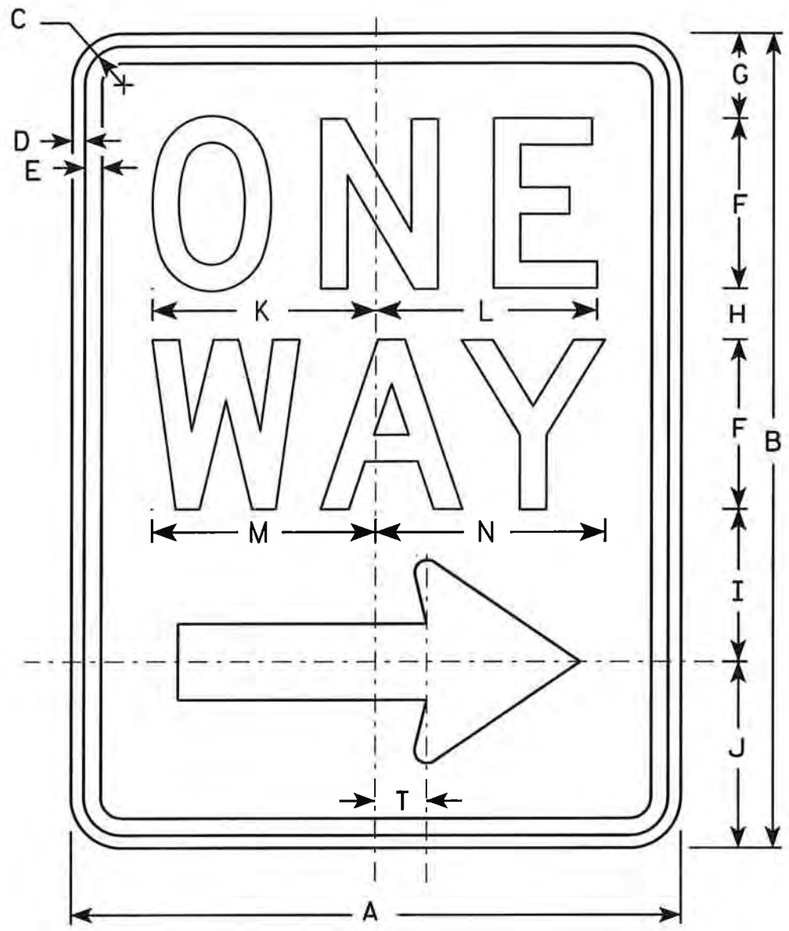
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/17/10 PLATE NO R6-1.2

PROJECT NO:

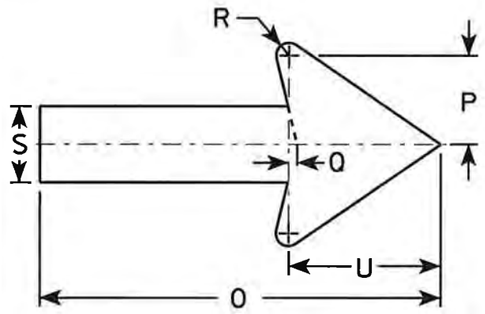
SHEET N 128 E



R6-2R

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 - 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. R6-2L same as R6-2R except arrow points to the left.



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
1	18	24	1 1/8	3/8	1/2	5	2 1/2	1 1/2	4 1/2	5 1/2	6 5/8	6 1/2	6 5/8	6 3/4	11 7/8	2 5/8	1/4	3/8	2 1/4	1 1/2	4 1/2					
2S	24	30	1 1/8	3/8	1/2	6	3	2 1/2	5 1/2	7	8 1/8	8 1/8	8 1/2	8 5/8	16	3 1/2	3/8	1/2	3	2	6					
2M	30	36	1 3/8	1/2	5/8	8	2 1/2	2 5/8	6 7/8	8	10 1/2	10 1/2	11 1/4	11 1/4	20	4 3/8	1/2	5/8	3 3/4	2 1/2	7 1/2					
3	36	48	1 7/8	1/2	5/8	10	5 1/4	3 1/4	9	10 1/2	12 3/4	12 3/4	13 1/4	13 1/2	24	5 5/8	1/2	3/4	4 3/4	3	9					
4	36	48	1 7/8	1/2	5/8	10	5 1/4	3 1/4	9	10 1/2	12 3/4	12 3/4	13 1/4	13 1/2	24	5 5/8	1/2	3/4	4 3/4	3	9					
5																										

STANDARD SIGN
R6-2 R&L

WISCONSIN DEPT OF TRANSPORTATION

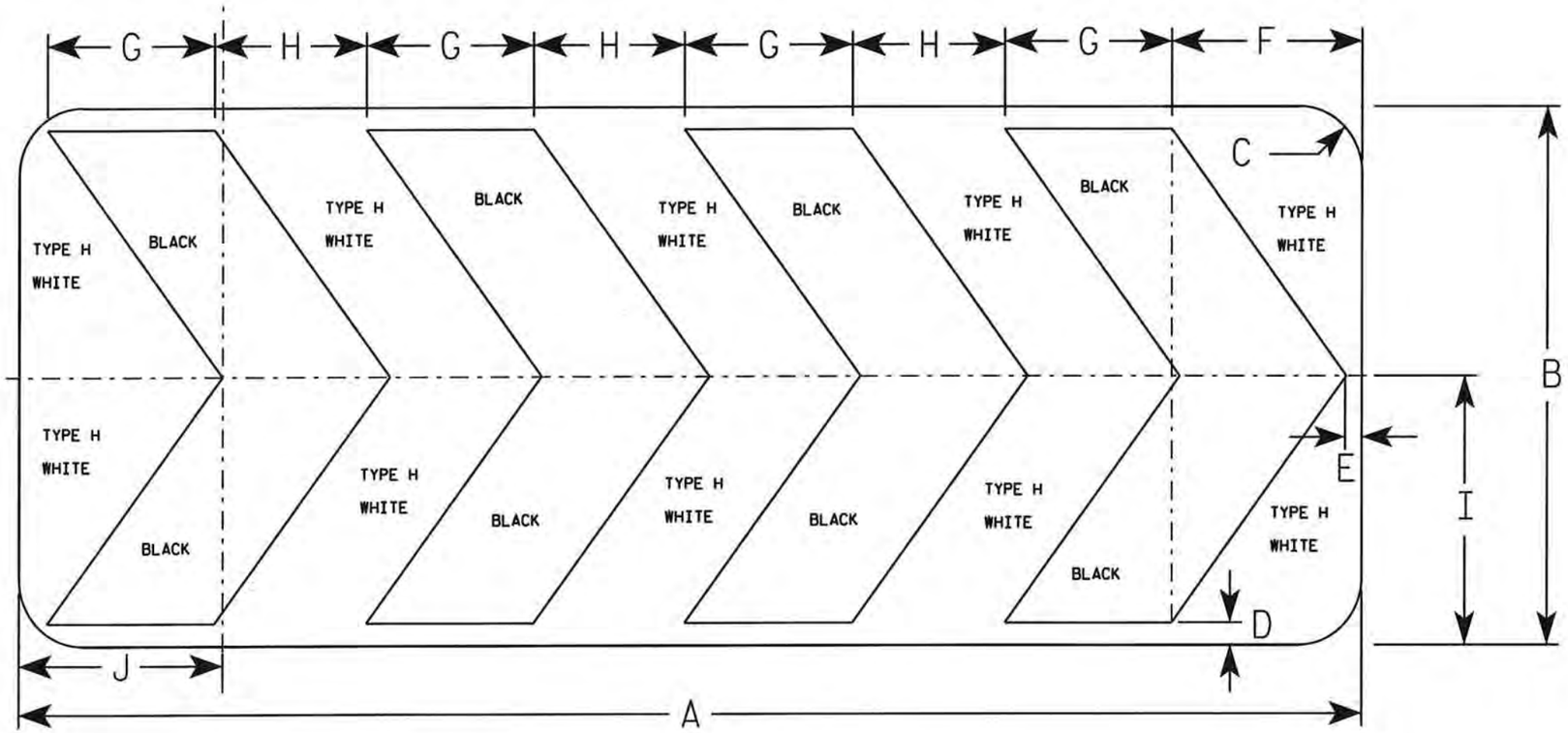
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/2/10 PLATE NO. R6-2.8

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

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. 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.



R6-4B

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	Arrow no. 11.
1																											
2S	60	24	2 1/4	1	3/4	8 1/2	7 1/2	6 3/4	12	9 1/8																	10.0
2M	60	24	2 1/4	1	3/4	8 1/2	7 1/2	6 3/4	12	9 1/8																	10.0
3																											
4																											
5																											

STANDARD SIGN
R6-4B

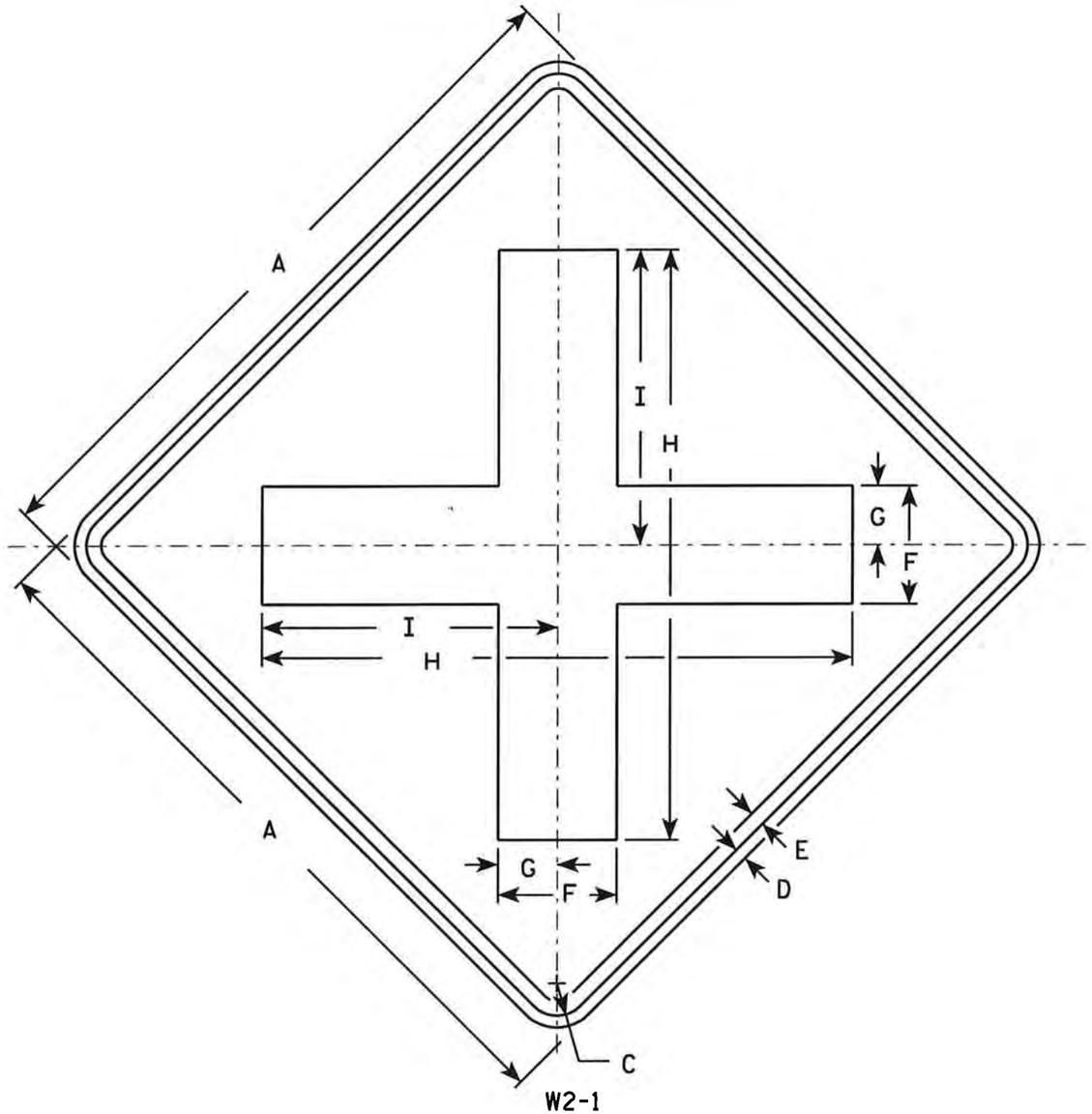
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 1/03/11 PLATE NO. R6-4B.2

PROJECT NO:

SHEET N 130 E



NOTES

1. Sign is Type II - Type H 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

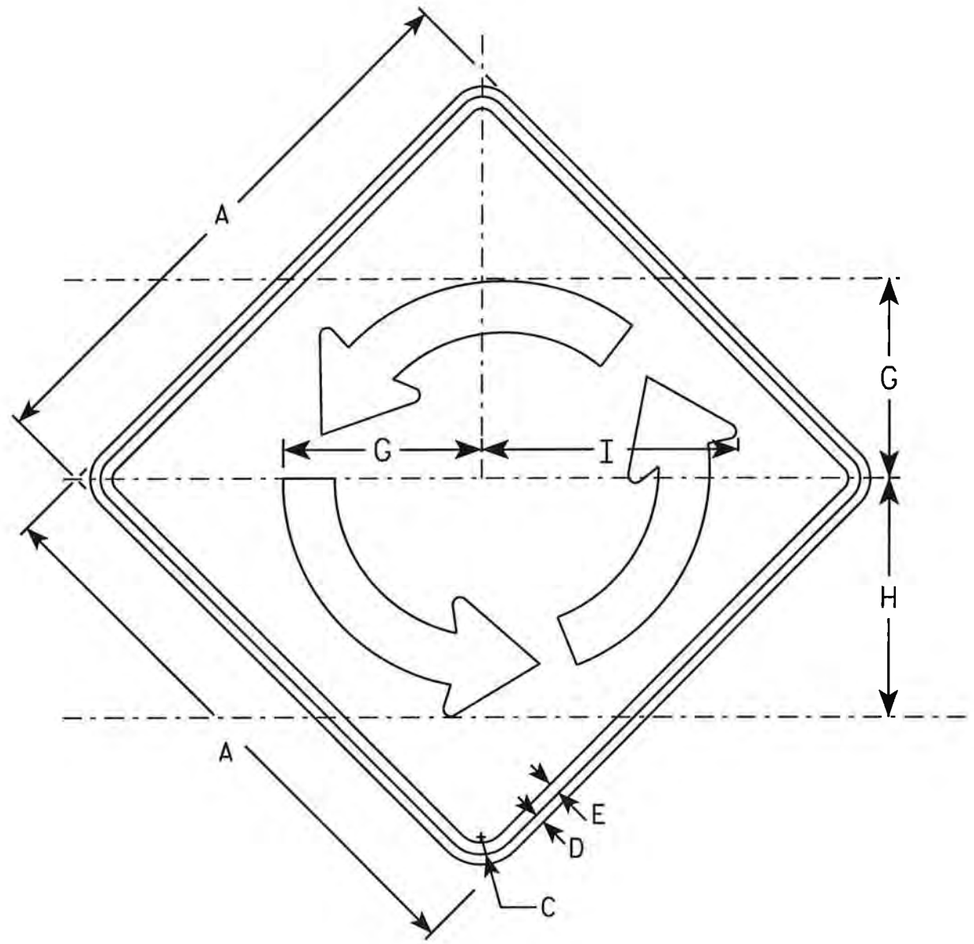
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/18/11 PLATE NO. W2-1.8

PROJECT NO: | HWY: | COUNTY: | SHEET N 131 | E

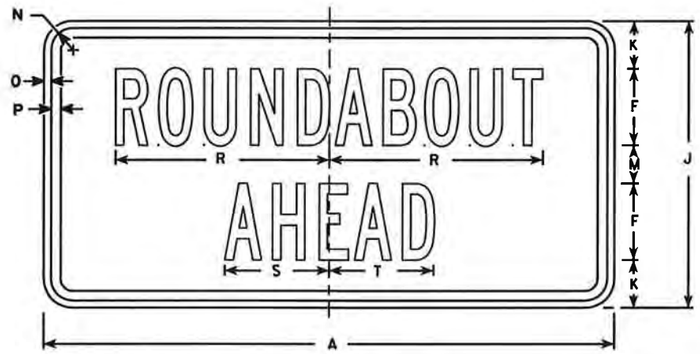
FILE NAME : C:\Users\PROJECTS\tr_stdplate\W21.DGN PLOT DATE : 18-MAR-2011 13:18 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 6.207338:1.000000
WISDOT/CADDS SHEET 42



W2-6

NOTES

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



W2-6P

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	W2-6 Area sq. ft.	W2-6P Area sq. ft.
1																										
2S	30		1 3/8	1/2	5/8	4	10 3/8	12 1/2	13 1/2	15	2 1/2		2	1 1/8	3/8	1/2		11 1/4	5 1/2	5 1/2					6.25	3.12
2M	30		1 3/8	1/2	5/8	4	10 3/8	12 1/2	13 1/2	15	2 1/2		2	1 1/8	3/8	1/2		11 1/4	5 1/2	5 1/2					6.25	3.12
3	36		1 5/8	5/8	3/4	5	12 1/2	15	16 1/4	18	2 5/8		2 3/4	1 1/8	3/8	1/2		14	7	6 3/4					9.00	4.50
4	48		2 1/4	3/4	1	6	16 5/8	20	16 1/4	24	4 3/8		3 5/8	1 3/8	1/2	5/8		17	8 1/4	8 1/4					16.0	8.0
5																										

STANDARD SIGN
W2-6

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/21/11 PLATE NO. W2-6.4

PROJECT NO:

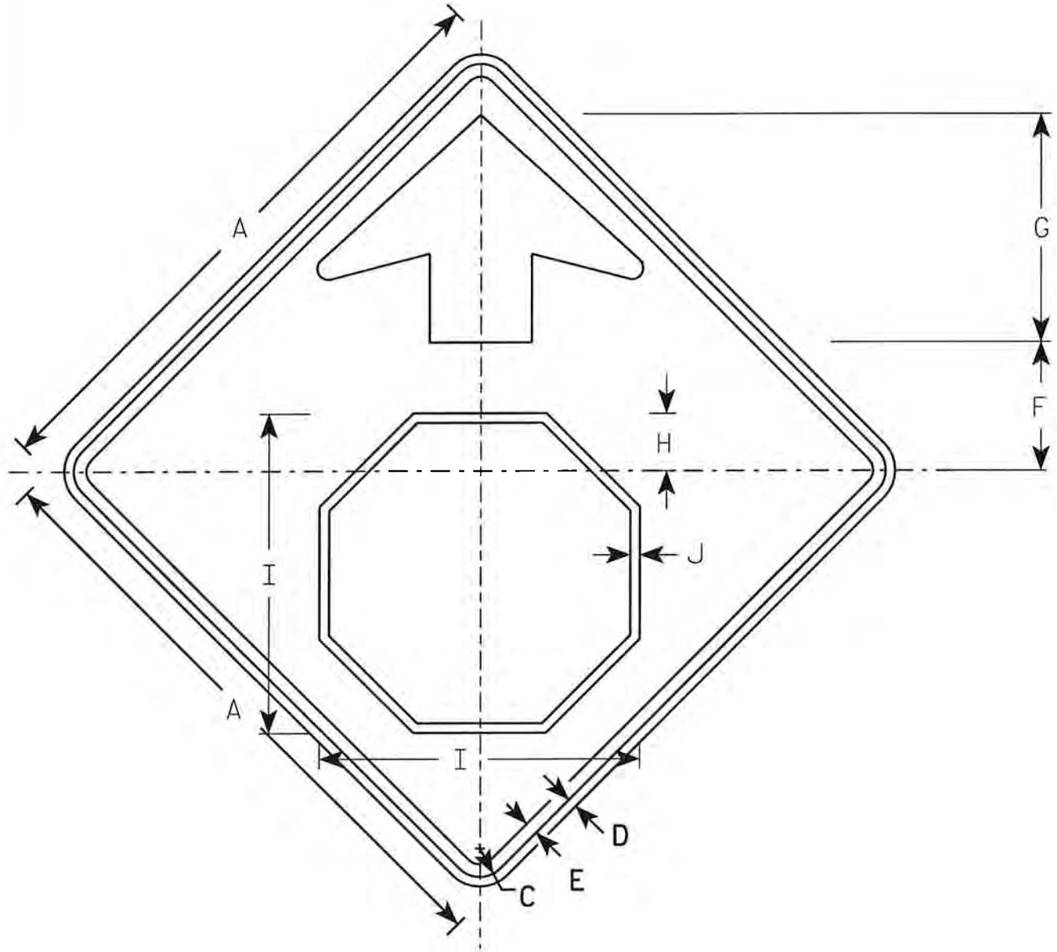
SHEET N 132 E

FILE NAME : C:\Users\PROJECTS\tr_stdplate\W26.DGN PLOT DATE : 21-MAR-2011 13:41 PLOT BY : mscj9h

WISDOT/CADDS SHEET 42

7

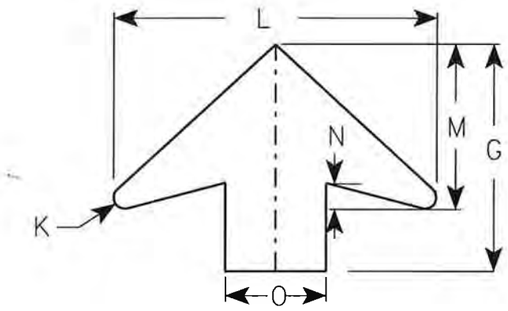
7



W3-1

NOTES

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



ARROW DETAIL

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

STANDARD SIGN
W3-1

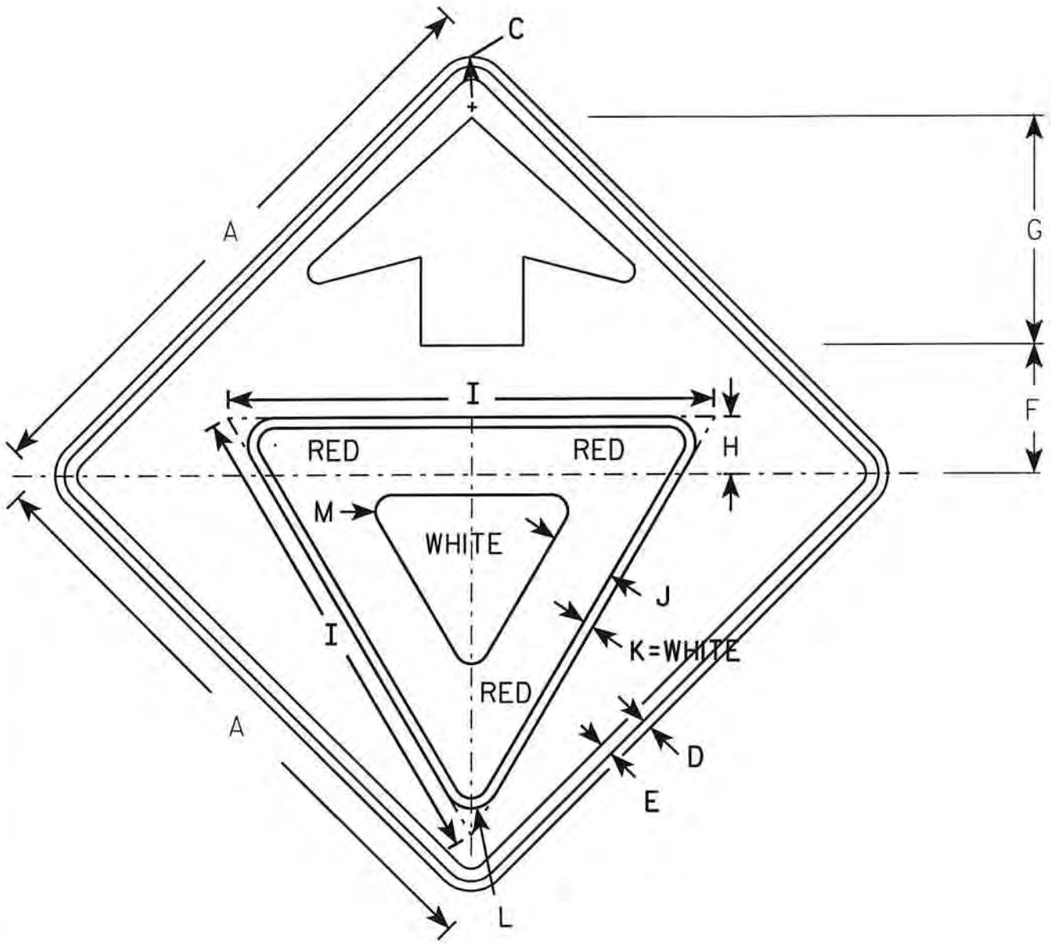
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

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

PROJECT NO:

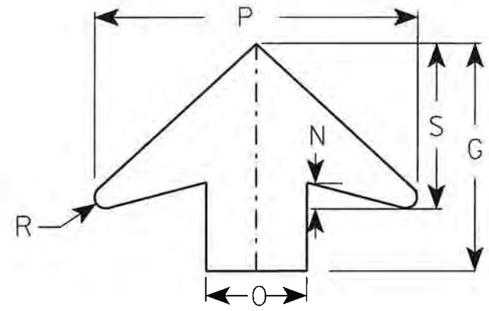
SHEET N 133 E



W3-2

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
   Yield 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	3	25	3 3/8	1/2	1 3/8	7/8	1 1/4	5	16		1/2	8								6.25
2S	36		1 5/8	5/8	3/4	7 1/2	13 1/2	3 3/8	28	3 3/4	5/8	1 1/2	1	1 5/8	6	19 1/4		5/8	9 3/4								9.0
2M	36		1 5/8	5/8	3/4	7 1/2	13 1/2	3 3/8	28	3 3/4	5/8	1 1/2	1	1 5/8	6	19 1/4		5/8	9 3/4								9.0
3	36		1 5/8	5/8	3/4	7 1/2	13 1/2	3 3/8	28	3 3/4	5/8	1 1/2	1	1 5/8	6	19 1/4		5/8	9 3/4								9.0
4	48		2 1/4	3/4	1	10	17 7/8	4 1/2	38	5	3/4	2 1/8	1 3/8	2	8	25 5/8		7/8	13								16.0
5	48		2 1/4	3/4	1	10	17 7/8	4 1/2	38	5	3/4	2 1/8	1 3/8	2	8	25 5/8		7/8	13								16.0

STANDARD SIGN
W3-2

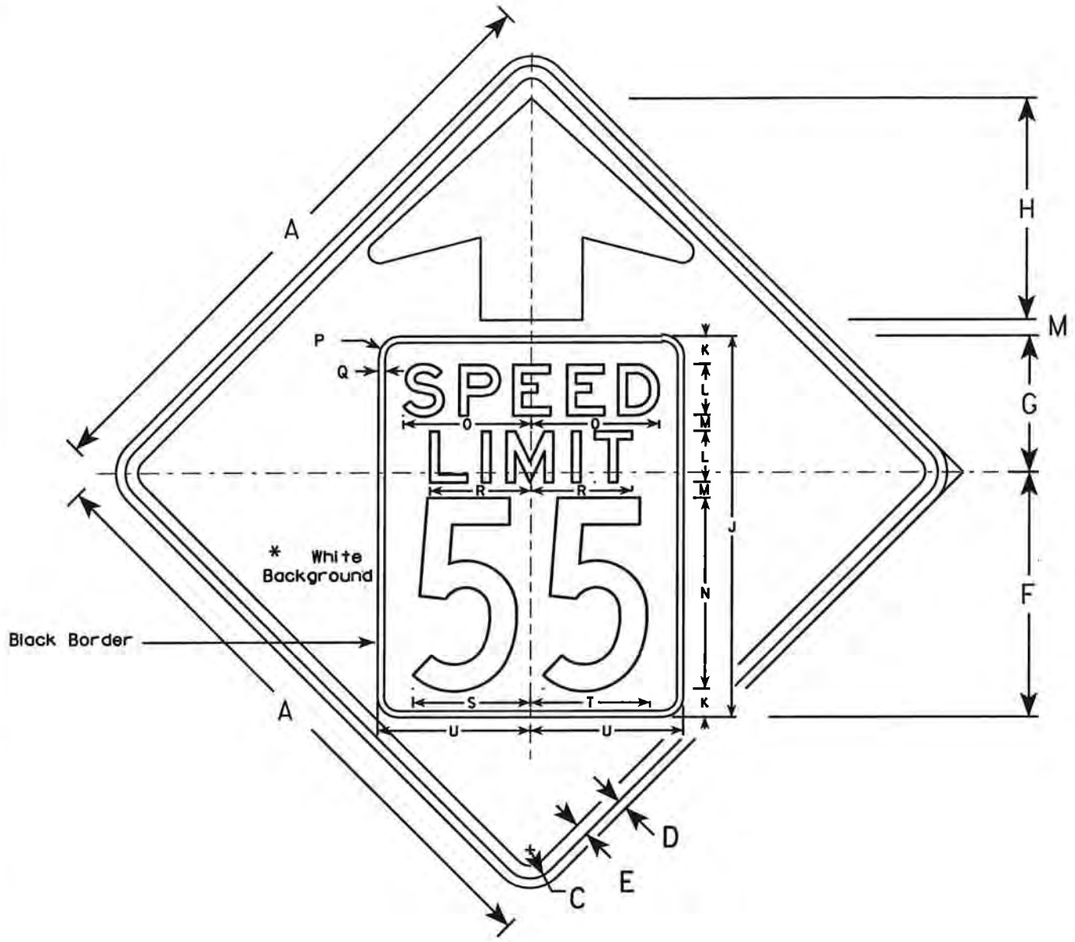
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 6/7/10 PLATE NO. W3-2.9

PROJECT NO:

SHEET N 134 E

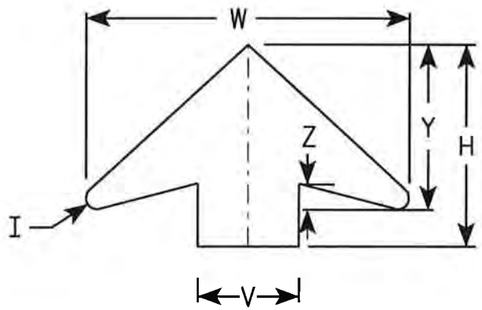


W3-5

NOTES

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

*Speed Limit Sign shall have a White Background



ARROW DETAIL

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

STANDARD SIGN
W3-5

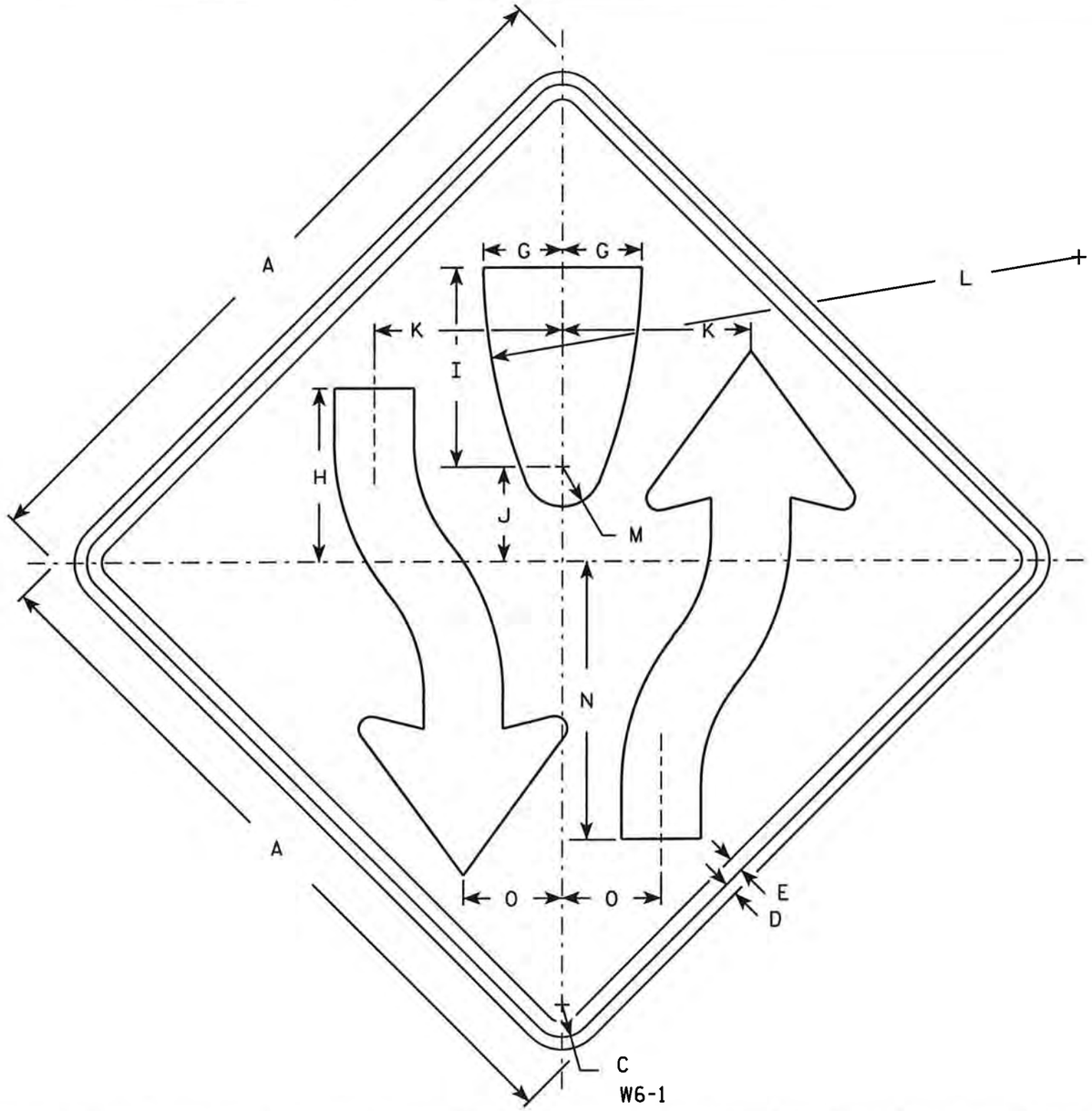
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/08/10 PLATE NO. W3-5.3

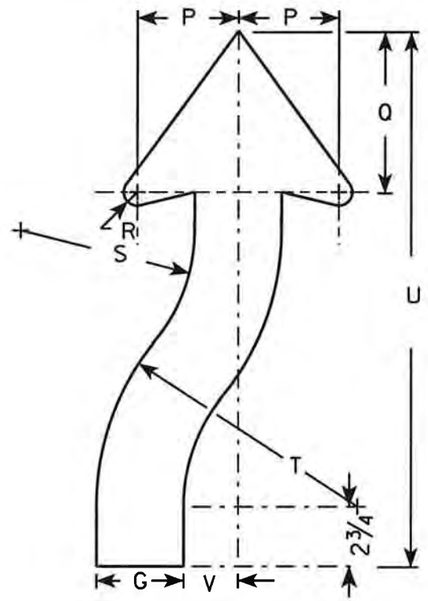
PROJECT NO:

SHEET N 135 E



NOTES

1. Sign is Type II - Type H 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.
4. W6-2 same as W6-1 but is rotated 180° when mounted.



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		3 1/4	8	8 1/4	4 1/8	7 7/8	25	1 3/4	11 5/8	4 1/8	3 7/8	6 3/4	5/8	6 5/8	9 7/8	21 5/8	2					6.25
2S	36		1 5/8	5/8	3/4		4	8 3/4	10	4 3/4	9 1/2	30	2	14	5	4 5/8	7 3/8	1/8	8	12	24 1/2	2 1/2					9.0
2M	36		1 5/8	5/8	3/4		4	8 3/4	10	4 3/4	9 1/2	30	2	14	5	4 5/8	7 3/8	1/8	8	12	24 1/2	2 1/2					9.0
3																											
4	48		2 1/4	3/4	1		5 3/8	11 5/8	13 3/8	6 3/8	12 5/8	40	2 5/8	18 5/8	6 5/8	6 1/4	9 7/8	1 1/4	10 5/8	16	32 5/8	3 3/8					16.0
5	48		2 1/4	3/4	1		5 3/8	11 5/8	13 3/8	6 3/8	12 5/8	40	2 5/8	18 5/8	6 5/8	6 1/4	9 7/8	1 1/4	10 5/8	16	32 5/8	3 3/8					16.0

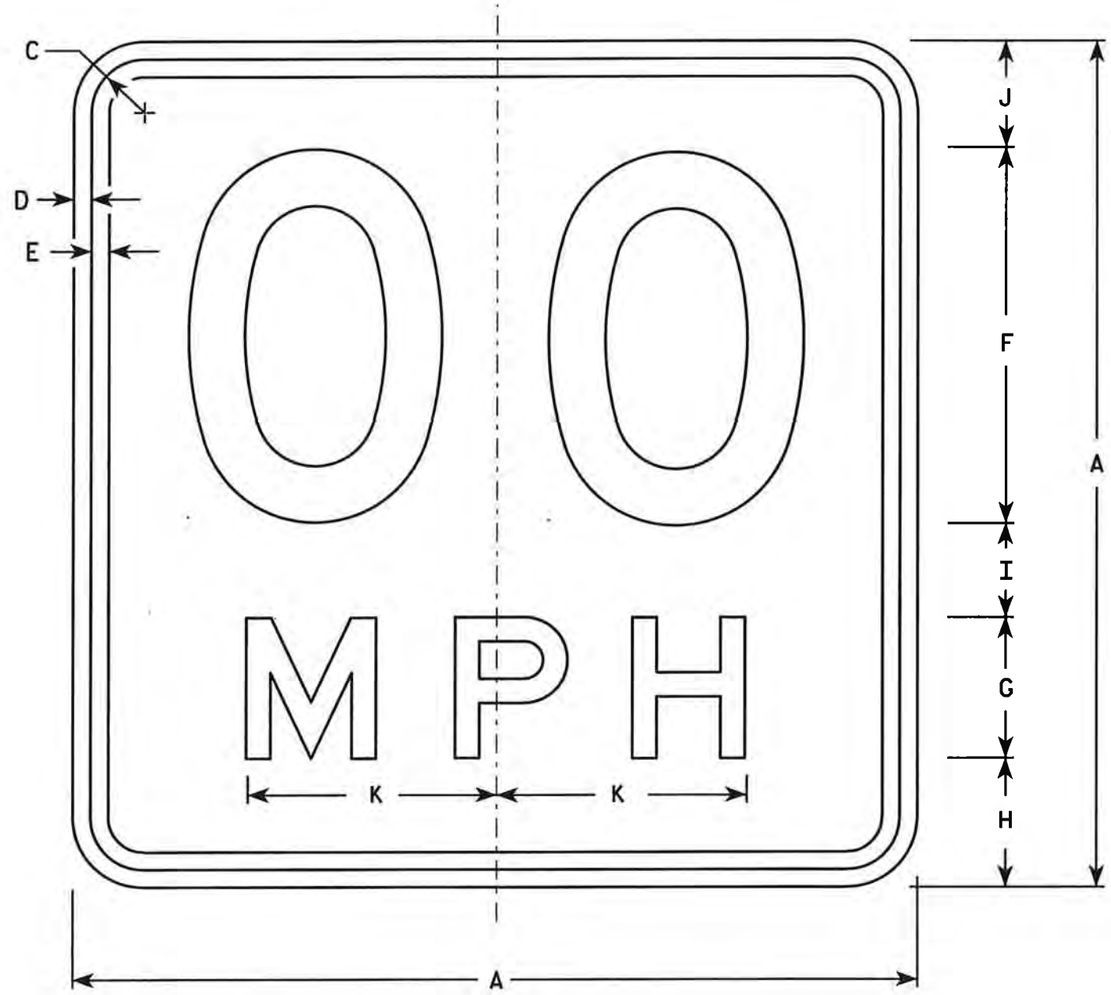
STANDARD SIGN
W6-1 & W6-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/22/11 PLATE NO. W6-1.13

PROJECT NO:	HWY:	COUNTY:		SHEET N136	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.

NOTES

1. Sign is Type II - Type H 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

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 3/16/11 PLATE NO. W13-1.15

PROJECT NO: | HWY: | COUNTY: | SHEET N 137 | E

FILE NAME : C:\Users\PROJECTS\tr_stdplate\W131.DGN PLOT DATE : 16-MAR-2011 15:22 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 3.227815:1.000000 WISDOT/CADDS SHEET 42

EARTHWORK - CTH T

	AREA (SF)				Incremental Vol (CY) (Unadjusted)				Cumulative Vol (CY)				
STATION	Cut	Fill	Rock Exc	EBS	Cut Note 1	Fill Note 2	Rock Exc	EBS	Cut 1.00 Note 1	Expanded Fill 1.30	Expanded Rock 1.10	Expanded EBS Backfill 1.30 Note 5	Mass Ordinate Note 3
10+00.00	28.0	0.0	0	0									
10+50.00	37.2	7.4	0	0	60	7	0	0	60	9	0	0	51
11+00.00	45.7	3.6	0	0	77	10	0	0	137	22	0	0	115
11+50.00	57.7	0.6	0	0	96	4	0	0	233	27	0	0	206
12+00.00	48.2	4.3	0	0	98	5	0	0	331	33	0	0	298
12+25.00	58.2	0.0	0	0	49	2	0	0	380	36	0	0	344
12+50.00	55.1	0.7	0	0	52	0	0	0	433	36	0	0	397
12+75.00	48.2	5.6	0	0	48	3	0	0	480	40	0	0	441
13+00.00	51.2	17.2	0	0	46	11	0	0	526	54	0	0	473
13+25.00	37.7	47.1	0	0	41	30	0	0	568	92	0	0	475
13+50.00	25.0	81.9	0	0	29	60	0	0	597	170	0	0	427
13+75.00	24.4	86.9	0	0	23	78	0	0	620	272	0	0	348
14+00.00	17.0	102.7	0	0	19	88	0	0	639	386	0	0	253
14+25.00	30.5	102.6	0	0	22	95	0	0	661	509	0	0	151
14+50.00	14.0	202.8	0	0	21	141	0	0	681	693	0	0	-12
14+75.00	16.4	175.4	0	0	14	175	0	0	695	921	0	0	-225
15+00.00	44.1	194.8	0	0	28	171	0	0	723	1,144	0	0	-420
15+25.00	30.5	157.6	0	0	35	163	0	0	758	1,356	0	0	-598
15+50.00	39.4	168.5	0	0	32	151	0	0	790	1,552	0	0	-762
15+75.00	50.6	197.1	0	0	42	169	0	0	832	1,772	0	0	-940
16+00.00	62.7	82.5	0	0	52	129	0	0	884	1,940	0	0	-1,056
16+01.13	63.3	82.3	0	0	3	3	0	0	887	1,945	0	0	-1,058
17+36.17	0.0	17.2	0	0	0	0	0	0	887	1,945	0	0	-1,058
17+50.00	52.5	37.0	0	0	13	14	0	0	901	1,963	0	0	-1,062
17+75.00	84.0	17.4	0	0	63	25	0	0	964	1,995	0	0	-1,032
18+00.00	111.2	0.8	0	0	90	8	0	0	1,054	2,006	0	0	-952
18+15.00	124.9	0.0	0	0	66	0	0	0	1,120	2,007	0	0	-887
18+25.00	122.4	4.6	0	0	46	1	0	0	1,165	2,008	0	0	-842
18+50.00	130.1	4.3	0	0	117	4	0	0	1,282	2,013	0	0	-731
18+75.00	134.6	2.8	0	0	123	3	0	0	1,405	2,017	0	0	-613
19+00.00	135.2	2.2	0	0	125	2	0	0	1,530	2,020	0	0	-491
19+25.00	135.7	1.9	0	0	125	2	0	0	1,655	2,023	0	0	-368
19+50.00	132.0	2.7	0	0	124	2	0	0	1,779	2,026	0	0	-246
19+75.00	139.1	2.2	0	0	126	2	0	0	1,905	2,029	0	0	-124
19+84.25	135.7	2.3	0	0	47	1	0	0	1,952	2,030	0	0	-78
20+00.00	133.5	3.3	0	0	79	2	0	0	2,030	2,032	0	0	-1
20+50.00	120.6	6.0	0	0	235	9	0	0	2,266	2,043	0	0	223
20+75.00	131.4	0.9	0	0	117	3	0	0	2,382	2,047	0	0	335
21+00.00	122.2	9.6	0	0	117	5	0	0	2,500	2,053	0	0	446
21+50.00	125.9	8.5	0	0	230	17	0	0	2,729	2,075	0	0	654

Notes:	
1 - Cut	Cut includes existing asphalt and concrete pavement
2 - Fill	Unexpanded
3 - Mass Ordinate	Cut - (Fill * Fill Factor)
5- Expanded EBS Backfill	Will be backfilled with Waste Material

EARTHWORK - CTH T (CONTINUED)

	AREA (SF)				Incremental Vol (CY) (Unadjusted)				Cumulative Vol (CY)				
STATION	Cut	Fill	Rock Exc	EBS	Cut Note 1	Fill Note 2	Rock Exc	EBS	Cut 1.00 Note 1	Expanded Fill 1.30	Expanded Rock 1.10	Expanded EBS Backfill 1.30 Note 5	Mass Ordinate Note 3
22+00.00	126.6	6.6	0	0	234	14	0	0	2,963	2,093	0	0	870
22+50.00	127.6	7.2	0	0	235	13	0	0	3,199	2,110	0	0	1,089
23+00.00	131.5	4.5	0	0	240	11	0	0	3,439	2,124	0	0	1,315
23+25.00	119.4	5.7	0	0	116	5	0	0	3,555	2,130	0	0	1,425
23+50.00	116.1	4.1	0	0	109	5	0	0	3,664	2,136	0	0	1,528
23+80.00	123.9	6.0	0	0	133	6	0	0	3,797	2,143	0	0	1,654
24+00.00	210.7	0.0	0	0	124	2	0	0	3,921	2,146	0	0	1,775
24+08.00	219.2	0.0	0	0	64	0	0	0	3,985	2,146	0	0	1,839
24+32.00	127.4	1.4	0	0	154	1	0	0	4,139	2,147	0	0	1,992
24+40.00	109.5	7.0	0	0	35	1	0	0	4,174	2,148	0	0	2,025
24+50.00	108.1	6.9	0	0	40	3	0	0	4,214	2,152	0	0	2,062
25+00.00	107.9	3.6	0	0	200	10	0	0	4,414	2,164	0	0	2,250
25+50.00	96.6	9.3	0	0	189	12	0	0	4,603	2,180	0	0	2,423
26+00.00	93.0	8.6	0	0	176	17	0	0	4,779	2,201	0	0	2,577
26+50.00	91.3	6.7	33	0	171	14	31	0	4,949	2,176	34	0	2,773
27+00.00	87.3	4.5	40	0	165	10	68	0	5,115	2,093	108	0	3,022
27+50.00	100.6	0.0	53	0	174	4	86	0	5,289	1,975	203	0	3,314
28+00.00	70.5	5.9	16	0	158	5	64	0	5,447	1,891	273	0	3,556
28+50.00	78.7	1.6	38	0	138	7	50	0	5,585	1,828	328	0	3,757
28+89.00	150.0	4.4	38	0	165	4	55	0	5,750	1,756	388	0	3,995
29+00.00	138.0	4.2	38	0	59	2	15	0	5,809	1,736	405	0	4,073
29+50.00	62.6	7.8	18	0	186	11	52	0	5,995	1,676	462	0	4,319
30+00.00	62.4	8.7	21	0	116	15	36	0	6,111	1,644	502	0	4,467
30+50.00	63.9	11.0	17	0	117	18	35	0	6,228	1,618	541	0	4,610
30+75.00	79.8	6.2	20	0	67	8	17	0	6,294	1,603	560	0	4,691
31+00.00	65.9	11.6	6	0	67	8	12	0	6,362	1,597	573	0	4,765
31+25.00	73.9	7.2	5	0	65	9	5	0	6,426	1,601	579	0	4,826
31+50.00	68.7	12.3	5	0	66	9	5	0	6,492	1,606	584	0	4,887
32+00.00	74.8	11.7	5	0	133	22	9	0	6,625	1,621	594	0	5,004
32+50.00	83.3	4.6	0	0	146	15	5	0	6,772	1,634	599	0	5,137
33+00.00	82.7	15.9	0	0	154	19	0	0	6,925	1,659	599	0	5,266
33+50.00	87.5	15.5	0	0	158	29	0	0	7,083	1,697	599	0	5,386
34+00.00	96.9	5.9	0	0	171	20	0	0	7,254	1,723	599	0	5,531
34+50.00	102.5	5.7	0	0	185	11	0	0	7,438	1,737	599	0	5,702
34+82.00	208.9	2.4	0	0	184	5	0	0	7,623	1,743	599	0	5,880
35+00.00	139.8	2.0	0	0	116	1	0	0	7,739	1,745	599	0	5,994
35+50.00	114.3	6.0	0	0	235	7	0	0	7,974	1,754	599	0	6,220
36+00.00	121.2	6.4	0	0	218	11	0	0	8,192	1,769	599	0	6,423
36+50.00	130.3	3.1	0	0	233	9	0	0	8,425	1,781	599	0	6,644
37+00.00	140.6	1.4	0	0	251	4	0	0	8,676	1,786	599	0	6,890

Notes:	
1 - Cut	Cut includes existing asphalt and concrete pavement
2 - Fill	Unexpanded
3 - Mass Ordinate	Cut - (Fill * Fill Factor)
5- Expanded EBS Backfill	Will be backfilled with Waste Material

EARTHWORK - CTH T (CONTINUED)

	AREA (SF)				Incremental Vol (CY) (Unadjusted)				Cumulative Vol (CY)				
STATION	Cut	Fill	Rock Exc	EBS	Cut Note 1	Fill Note 2	Rock Exc	EBS	Cut 1.00 Note 1	Expanded Fill 1.30	Expanded Rock 1.10	Expanded EBS Backfill 1.30 Note 5	Mass Ordinate Note 3
37+50.00	138.9	0.4	0	0	259	2	0	0	8,934	1,788	599	0	7,146
38+00.00	142.0	0.0	0	0	260	0	0	0	9,195	1,789	599	0	7,406
38+25.00	175.8	0.0	0	0	147	0	0	0	9,342	1,789	599	0	7,553
38+50.00	142.0	0.0	0	0	147	0	0	0	9,489	1,789	599	0	7,700
39+00.00	139.5	0.9	0	0	261	1	0	0	9,749	1,790	599	0	7,960
39+50.00	137.0	1.5	0	0	256	2	0	0	10,005	1,793	599	0	8,213
40+00.00	132.6	1.2	0	0	250	3	0	0	10,255	1,796	599	0	8,459
40+50.00	127.2	1.0	0	0	241	2	0	0	10,496	1,799	599	0	8,697
41+00.00	125.4	1.1	0	0	234	2	0	0	10,729	1,801	599	0	8,928
41+50.00	120.9	0.3	0	0	228	1	0	0	10,958	1,803	599	0	9,155
42+00.00	114.7	0.1	0	0	218	0	0	0	11,176	1,803	599	0	9,372
42+50.00	111.6	0.1	0	0	209	0	0	0	11,385	1,804	599	0	9,582
43+00.00	101.4	0.1	0	0	197	0	0	0	11,582	1,804	599	0	9,779
43+50.00	111.9	0.3	0	0	197	0	0	0	11,780	1,804	599	0	9,976
44+00.00	80.9	3.4	0	0	178	3	0	0	11,958	1,808	599	0	10,150
44+50.00	75.7	5.6	0	0	145	8	0	0	12,103	1,819	599	0	10,284
45+00.00	72.5	9.4	0	0	137	14	0	0	12,240	1,837	599	0	10,403
45+50.00	80.3	5.4	0	0	141	14	0	0	12,382	1,855	599	0	10,527
46+00.00	91.1	5.7	0	0	159	10	0	0	12,541	1,868	599	0	10,672
46+50.00	108.3	6.4	0	0	185	11	0	0	12,725	1,883	599	0	10,842
47+00.00	124.0	4.3	0	0	215	10	0	0	12,940	1,896	599	0	11,044
47+50.00	132.5	2.6	0	0	237	6	0	0	13,178	1,904	599	0	11,274
48+00.00	153.0	2.4	0	0	264	5	0	0	13,442	1,910	599	0	11,532
48+50.00	122.6	4.4	0	0	255	6	0	0	13,697	1,918	599	0	11,779
					13,697	2,075	544	0					

Notes:	
1 - Cut	Cut includes existing asphalt and concrete pavement
2 - Fill	Unexpanded
3 - Mass Ordinate	Cut - (Fill * Fill Factor)
5- Expanded EBS Backfill	Will be backfilled with Waste Material

EARTHWORK - CTH T

	AREA (SF)				Incremental Vol (CY) (Unadjusted)				Cumulative Vol (CY)				
STATION	Cut	Fill	Rock Exc	EBS	Cut Note 1	Fill Note 2	Rock Exc	EBS	Cut 1.00 Note 1	Expanded Fill 1.30	Expanded Rock 1.10	Expanded EBS Backfill 1.30 Note 5	Mass Ordinate Note 3
48+50.00	122.6	4.4	0	0									
49+00.00	180.7	0.0	0	0	281	4	0	0	281	5	0	0	276
50+00.00	159.8	0.0	0	0	631	0	0	0	912	5	0	0	906
51+00.00	148.3	0.0	0	0	571	0	0	0	1,482	5	0	0	1,477
52+00.00	129.6	0.0	0	0	515	0	0	0	1,997	5	0	0	1,991
53+00.00	94.1	0.7	0	0	414	1	0	0	2,411	7	0	0	2,404
53+50.00	77.6	6.9	0	35	159	7	0	32	2,570	16	0	42	2,553
54+00.00	59.8	8.1	0	35	127	14	0	65	2,697	34	0	126	2,663
55+00.00	44.6	10.5	0	0	193	34	0	65	2,890	79	0	211	2,811
56+00.00	40.8	10.7	0	0	158	39	0	0	3,048	130	0	211	2,918
56+50.00	36.6	12.8	0	0	72	22	0	0	3,120	158	0	211	2,962
57+00.00	39.4	9.4	0	0	70	21	0	0	3,190	185	0	211	3,005
58+00.00	19.7	20.9	0	0	110	56	0	0	3,300	258	0	211	3,042
59+00.00	21.8	29.8	0	0	77	94	0	0	3,377	380	0	211	2,997
60+00.00	15.7	35.0	0	0	69	120	0	0	3,446	536	0	211	2,910
60+09.00	15.1	35.5	0	0	5	12	0	0	3,451	552	0	211	2,900
61+00.00	20.7	28.4	0	0	60	108	0	0	3,512	691	0	211	2,820
62+00.00	34.7	16.8	0	0	103	84	0	0	3,614	800	0	211	2,814
63+00.00	40.4	19.5	0	0	139	67	0	0	3,753	888	0	211	2,866
64+00.00	51.0	13.5	0	0	169	61	0	0	3,923	967	0	211	2,956
65+00.00	52.1	13.8	0	0	191	51	0	0	4,114	1,033	0	211	3,081
65+80.00	44.6	13.0	0	0	143	40	0	0	4,257	1,084	0	211	3,173
66+00.00	49.5	9.3	0	0	35	8	0	0	4,292	1,095	0	211	3,197
66+50.00	65.8	6.7	0	0	107	15	0	0	4,398	1,114	0	211	3,284
67+00.00	68.6	3.6	0	0	124	10	0	0	4,523	1,127	0	211	3,396
67+50.00	52.9	5.8	0	0	112	9	0	0	4,635	1,138	0	211	3,497
68+00.00	59.3	5.1	0	0	104	10	0	0	4,739	1,151	0	211	3,588
68+50.00	138.6	4.6	0	0	183	9	0	0	4,922	1,163	0	211	3,760
69+00.00	155.1	4.7	0	0	272	9	0	0	5,194	1,174	0	211	4,020
69+50.00	89.3	1.3	0	0	226	6	0	0	5,421	1,181	0	211	4,239
70+00.00	188.1	0.0	0	0	257	1	0	0	5,677	1,183	0	211	4,495
70+50.00	82.5	5.8	0	0	251	5	0	0	5,928	1,190	0	211	4,738
71+00.00	77.7	5.1	0	0	148	10	0	0	6,076	1,203	0	211	4,873
71+50.00	65.5	6.7	0	0	133	11	0	0	6,209	1,217	0	211	4,992
72+00.00	66.1	3.2	0	0	122	9	0	0	6,331	1,229	0	211	5,102
72+50.00	48.7	20.7	0	55	106	22	0	51	6,437	1,258	0	277	5,179
73+00.00	75.1	20.9	0	55	115	39	0	102	6,552	1,308	0	409	5,244
73+10.00	78.5	17.9	0	55	28	7	0	20	6,580	1,317	0	436	5,263
74+00.00	66.0	9.3	0	0	241	45	0	92	6,821	1,376	0	555	5,445
75+00.00	58.8	13.9	0	0	231	43	0	0	7,052	1,432	0	555	5,620

Notes:	
1 - Cut	Cut includes existing asphalt and concrete pavement
2 - Fill	Unexpanded
3 - Mass Ordinate	Cut - (Fill * Fill Factor)
5- Expanded EBS Backfill	Will be backfilled with Waste Material

EARTHWORK - CTH T (CONTINUED)

	AREA (SF)				Incremental Vol (CY) (Unadjusted)				Cumulative Vol (CY)				
STATION	Cut	Fill	Rock Exc	EBS	Cut Note 1	Fill Note 2	Rock Exc	EBS	Cut 1.00 Note 1	Expanded Fill 1.30	Expanded Rock 1.10	Expanded EBS Backfill 1.30 Note 5	Mass Ordinate Note 3
76+00.00	13.4	38.5	0	0	134	97	0	0	7,186	1,559	0	555	5,627
77+00.00	31.1	39.0	0	0	82	144	0	0	7,268	1,745	0	555	5,523
78+00.00	30.5	24.6	0	0	114	118	0	0	7,382	1,898	0	555	5,484
79+00.00	27.3	30.4	0	0	107	102	0	0	7,489	2,031	0	555	5,458
80+00.00	51.5	16.3	0	0	146	86	0	0	7,635	2,143	0	555	5,492
81+00.00	101.0	3.3	0	0	282	36	0	0	7,917	2,190	0	555	5,727
82+00.00	123.5	4.8	0	0	416	15	0	0	8,333	2,210	0	555	6,123
83+00.00	40.9	9.7	0	0	304	27	0	0	8,637	2,245	0	555	6,393
84+00.00	7.5	52.9	0	0	90	116	0	0	8,727	2,395	0	555	6,332
84+32.00	1.6	66.4	0	0	5	71	0	0	8,732	2,487	0	555	6,245
85+00.00	2.1	74.1	0	0	5	177	0	0	8,737	2,717	0	555	6,020
86+00.00	2.6	59.8	0	0	9	248	0	0	8,745	3,039	0	555	5,706
87+00.00	9.0	37.5	0	0	22	180	0	0	8,767	3,273	0	555	5,494
88+00.00	22.0	22.9	0	0	57	112	0	0	8,825	3,419	0	555	5,406
89+00.00	27.2	14.2	0	0	91	69	0	0	8,916	3,508	0	555	5,407
90+00.00	56.0	11.0	0	0	154	47	0	0	9,070	3,569	0	555	5,501
91+00.00	95.0	5.3	0	0	280	30	0	0	9,349	3,608	0	555	5,741
92+00.00	81.6	5.9	0	0	327	21	0	0	9,676	3,635	0	555	6,041
93+00.00	54.6	12.3	0	0	252	34	0	0	9,928	3,679	0	555	6,249
94+00.00	15.2	18.1	0	0	129	56	0	0	10,058	3,752	0	555	6,305
95+00.00	6.7	55.1	0	0	41	136	0	0	10,098	3,929	0	555	6,170
95+92.00	1.4	97.6	0	0	14	260	0	0	10,112	4,267	0	555	5,845
96+00.00	1.8	102.2	0	0	0	30	0	0	10,112	4,305	0	555	5,807
97+00.00	11.4	88.4	0	0	24	353	0	0	10,137	4,764	0	555	5,373
98+00.00	21.0	82.7	0	0	60	317	0	0	10,197	5,176	0	555	5,021
99+00.00	38.8	29.9	0	0	111	208	0	0	10,308	5,447	0	555	4,861
100+00.00	70.1	0.1	0	45	202	56	0	83	10,509	5,519	0	663	4,990
100+50.00	105.8	0.0	0	45	163	0	0	83	10,672	5,519	0	772	5,153
101+00.00	147.9	0.0	0	30	235	0	0	69	10,907	5,519	0	862	5,388
101+50.00	163.1	0.0	0	0	288	0	0	28	11,195	5,519	0	898	5,676
102+00.00	142.6	0.0	0	0	283	0	0	0	11,478	5,519	0	898	5,959
102+50.00	128.3	0.0	0	0	251	0	0	0	11,729	5,519	0	898	6,210
103+00.00	120.2	0.0	0	0	230	0	0	0	11,959	5,519	0	898	6,440
103+20.00	111.4	0.0	0	30	86	0	0	11	12,045	5,519	0	912	6,525
104+00.00	96.9	2.7	0	45	309	4	0	111	12,353	5,524	0	1,057	6,829
105+00.00	43.1	23.4	0	0	259	48	0	83	12,612	5,587	0	1,165	7,025
106+00.00	31.9	32.1	0	0	139	103	0	0	12,751	5,721	0	1,165	7,030
107+00.00	20.5	57.6	0	0	97	166	0	0	12,848	5,936	0	1,165	6,912
107+53.00	12.0	83.6	0	0	32	139	0	0	12,880	6,117	0	1,165	6,763
108+00.00	9.3	89.9	0	0	18	151	0	0	12,899	6,313	0	1,165	6,586

Notes:	
1 - Cut	Cut includes existing asphalt and concrete pavement
2 - Fill	Unexpanded
3 - Mass Ordinate	Cut - (Fill * Fill Factor)
5- Expanded EBS Backfill	Will be backfilled with Waste Material

EARTHWORK - CTH T (CONTINUED)

	AREA (SF)				Incremental Vol (CY) (Unadjusted)				Cumulative Vol (CY)				
STATION	Cut	Fill	Rock Exc	EBS	Cut Note 1	Fill Note 2	Rock Exc	EBS	Cut 1.00 Note 1	Expanded Fill 1.30	Expanded Rock 1.10	Expanded EBS Backfill 1.30 Note 5	Mass Ordinate Note 3
109+00.00	13.4	89.6	0	0	42	333	0	0	12,941	6,745	0	1,165	6,195
110+00.00	3.8	73.6	0	0	32	302	0	0	12,973	7,138	0	1,165	5,834
110+50.00	9.3	40.6	0	0	12	106	0	0	12,985	7,276	0	1,165	5,709
111+00.00	37.4	21.8	0	0	43	58	0	0	13,028	7,351	0	1,165	5,677
111+50.00	63.0	4.7	0	0	93	25	0	0	13,121	7,383	0	1,165	5,738
112+00.00	72.1	0.6	0	0	125	5	0	0	13,246	7,389	0	1,165	5,857
112+50.00	80.3	5.2	0	0	141	5	0	0	13,387	7,396	0	1,165	5,991
113+00.00	66.8	15.1	0	0	136	19	0	0	13,523	7,420	0	1,165	6,103
113+50.00	60.0	17.6	0	0	117	30	0	0	13,641	7,460	0	1,165	6,181
114+00.00	44.8	30.5	0	0	97	45	0	0	13,738	7,518	0	1,165	6,220
115+00.00	32.4	19.8	0	0	143	93	0	0	13,881	7,639	0	1,165	6,242
116+00.00	69.2	5.3	0	45	188	46	0	83	14,069	7,699	0	1,274	6,370
117+00.00	171.8	0.9	0	0	446	12	0	83	14,515	7,714	0	1,382	6,801
118+00.00	196.1	0.1	0	0	681	2	0	0	15,196	7,716	0	1,382	7,480
119+00.00	167.8	0.0	0	0	674	0	0	0	15,870	7,717	0	1,382	8,154
119+40.00	132.6	8.5	0	0	223	6	0	0	16,093	7,725	0	1,382	8,368
120+00.00	157.8	0.0	0	0	323	10	0	0	16,415	7,737	0	1,382	8,678
120+50.00	155.4	7.2	0	0	290	7	0	0	16,705	7,746	0	1,382	8,960
121+00.00	168.8	5.3	0	0	300	12	0	0	17,005	7,761	0	1,382	9,245
121+50.00	193.7	0.0	0	0	336	5	0	0	17,341	7,767	0	1,382	9,574
122+00.00	182.2	0.6	0	0	348	1	0	0	17,689	7,768	0	1,382	9,921
123+00.00	131.9	0.0	0	0	582	1	0	0	18,271	7,769	0	1,382	10,501
123+50.00	116.6	7.1	0	0	230	7	0	0	18,501	7,778	0	1,382	10,723
124+00.00	99.7	3.6	0	0	200	10	0	0	18,701	7,790	0	1,382	10,911
					18,701	5,993	0	1,063					

Notes:	
1 - Cut	Cut includes existing asphalt and concrete pavement
2 - Fill	Unexpanded
3 - Mass Ordinate	Cut - (Fill * Fill Factor)
5- Expanded EBS Backfill	Will be backfilled with Waste Material

EARTHWORK - CTH Y

	AREA (SF)				Incremental Vol (CY) (Unadjusted)				Cumulative Vol (CY)				
STATION	Cut	Fill	Rock Exc	EBS	Cut Note 1	Fill Note 2	Rock Exc	EBS	Cut 1.00 Note 1	Expanded Fill 1.30	Expanded Rock 1.10	Expanded EBS Backfill 1.30 Note 5	Mass Ordinate Note 3
201+25.00	25.1	0.0	0.0	0.0									
201+50.00	47.4	1.6	0.0	0.0	34	1	0	0	34	1	0	0	33
201+75.00	82.1	1.0	0.0	0.0	60	1	0	0	94	2	0	0	91
202+00.00	78.3	0.3	0.0	0.0	74	1	0	0	168	3	0	0	165
202+50.00	95.1	1.5	0.0	0.0	160	2	0	0	328	5	0	0	323
203+00.00	83.5	8.0	0.0	0.0	165	9	0	0	494	17	0	0	477
203+50.00	72.8	7.5	0.0	0.0	145	14	0	0	638	36	0	0	603
204+00.00	89.0	13.6	0.0	0.0	150	20	0	0	788	61	0	0	727
204+33.97	73.6	22.9	0.0	0.0	102	23	0	0	891	91	0	0	800
204+50.00	76.3	31.7	0.0	0.0	45	16	0	0	935	112	0	0	823
204+75.00	84.7	48.4	0.0	0.0	75	37	0	0	1,010	160	0	0	850
205+00.00	93.4	66.9	0.0	0.0	82	53	0	0	1,092	229	0	0	863
205+25.00	102.7	85.2	0.0	0.0	91	70	0	0	1,183	321	0	0	862
205+50.00	108.1	97.5	0.0	0.0	98	85	0	0	1,280	431	0	0	850
205+75.00	106.8	109.4	0.0	0.0	100	96	0	0	1,380	555	0	0	825
206+00.00	113.2	148.5	0.0	0.0	102	119	0	0	1,482	711	0	0	771
206+25.00	27.1	205.4	0.0	0.0	65	164	0	0	1,547	924	0	0	623
206+50.00	27.9	143.4	0.0	0.0	25	161	0	0	1,572	1,134	0	0	439
206+75.00	33.2	186.5	0.0	0.0	28	153	0	0	1,601	1,332	0	0	268
207+00.00	35.2	199.3	0.0	0.0	32	179	0	0	1,632	1,564	0	0	68
207+18.46	0.0	139.5	0.0	0.0	12	116	0	0	1,644	1,715	0	0	-71
208+53.75	81.2	37.8	0.0	0.0	0	0	0	0	1,644	1,715	0	0	-71
208+75.00	143.5	73.1	0.0	0.0	88	44	0	0	1,733	1,771	0	0	-39
209+00.00	48.0	44.0	0.0	0.0	89	54	0	0	1,821	1,842	0	0	-21
209+25.00	42.2	26.1	0.0	0.0	42	32	0	0	1,863	1,884	0	0	-21
209+50.00	50.3	28.7	0.0	0.0	43	25	0	0	1,906	1,917	0	0	-11
209+75.00	51.6	30.2	0.0	0.0	47	27	0	0	1,953	1,953	0	0	0
210+00.00	51.8	31.4	0.0	0.0	48	29	0	0	2,001	1,990	0	0	11
210+25.00	53.5	29.9	0.0	0.0	49	28	0	0	2,050	2,027	0	0	23
210+50.00	65.2	24.0	0.0	0.0	55	25	0	0	2,105	2,059	0	0	46
210+57.03	66.8	22.7	0.0	0.0	17	6	0	0	2,122	2,067	0	0	55
211+00.00	78.2	9.1	0.0	0.0	115	25	0	0	2,237	2,100	0	0	137
211+50.00	71.5	7.3	0.0	0.0	139	15	0	0	2,376	2,119	0	0	256
212+00.00	58.6	6.0	0.0	0.0	121	12	0	0	2,496	2,135	0	0	361
212+50.00	51.8	5.1	0.0	0.0	102	10	0	0	2,599	2,149	0	0	450
212+75.00	53.0	24.3	0.0	0.0	49	14	0	0	2,647	2,166	0	0	481
213+00.00	25.5	0.0	0.0	0.0	36	11	0	0	2,683	2,181	0	0	502
					2,683	1,678	0	0					

Notes:	
1 - Cut	Cut includes existing asphalt and concrete pavement
2 - Fill	Unexpanded
3 - Mass Ordinate	Cut - (Fill * Fill Factor)
5- Expanded EBS Backfill	Will be backfilled with Waste Material

EARTHWORK - CTH T / CTH Y ROUNDABOUT

	AREA (SF)				Incremental Vol (CY) (Unadjusted)				Cumulative Vol (CY)				
STATION	Cut	Fill	Rock Exc	EBS	Cut Note 1	Fill Note 2	Rock Exc	EBS	Cut 1.00 Note 1	Expanded Fill 1.30	Expanded Rock 1.10	Expanded EBS Backfill 1.30 Note 5	Mass Ordinate Note 3
1+00.00	2.1	135.6	0.0	0.0									
1+25.00	36.2	116.4	0.0	0.0	18	117	0	0	18	152	0	0	-134
1+50.00	36.9	113.3	0.0	0.0	34	106	0	0	52	290	0	0	-238
1+75.00	33.9	113.2	0.0	0.0	33	105	0	0	84	426	0	0	-342
2+00.00	14.5	121.0	0.0	0.0	22	108	0	0	107	567	0	0	-460
2+25.00	57.7	114.4	0.0	0.0	33	109	0	0	140	709	0	0	-569
2+50.00	24.3	118.0	0.0	0.0	38	108	0	0	178	849	0	0	-671
2+75.00	10.2	131.9	0.0	0.0	16	116	0	0	194	999	0	0	-805
3+00.00	86.1	160.0	0.0	0.0	45	135	0	0	239	1,175	0	0	-936
3+25.00	0.0	154.6	0.0	0.0	40	146	0	0	279	1,364	0	0	-1,085
3+50.00	14.1	115.2	0.0	0.0	7	125	0	0	285	1,526	0	0	-1,241
3+75.00	7.8	185.5	0.0	0.0	10	139	0	0	295	1,707	0	0	-1,412
4+00.00	0.2	225.8	0.0	0.0	4	190	0	0	299	1,955	0	0	-1,656
4+23.58	2.1	135.7	0.0	0.0	1	158	0	0	300	2,160	0	0	-1,860
					300	1,662	0	0					

EARTHWORK - BROOKS ROAD

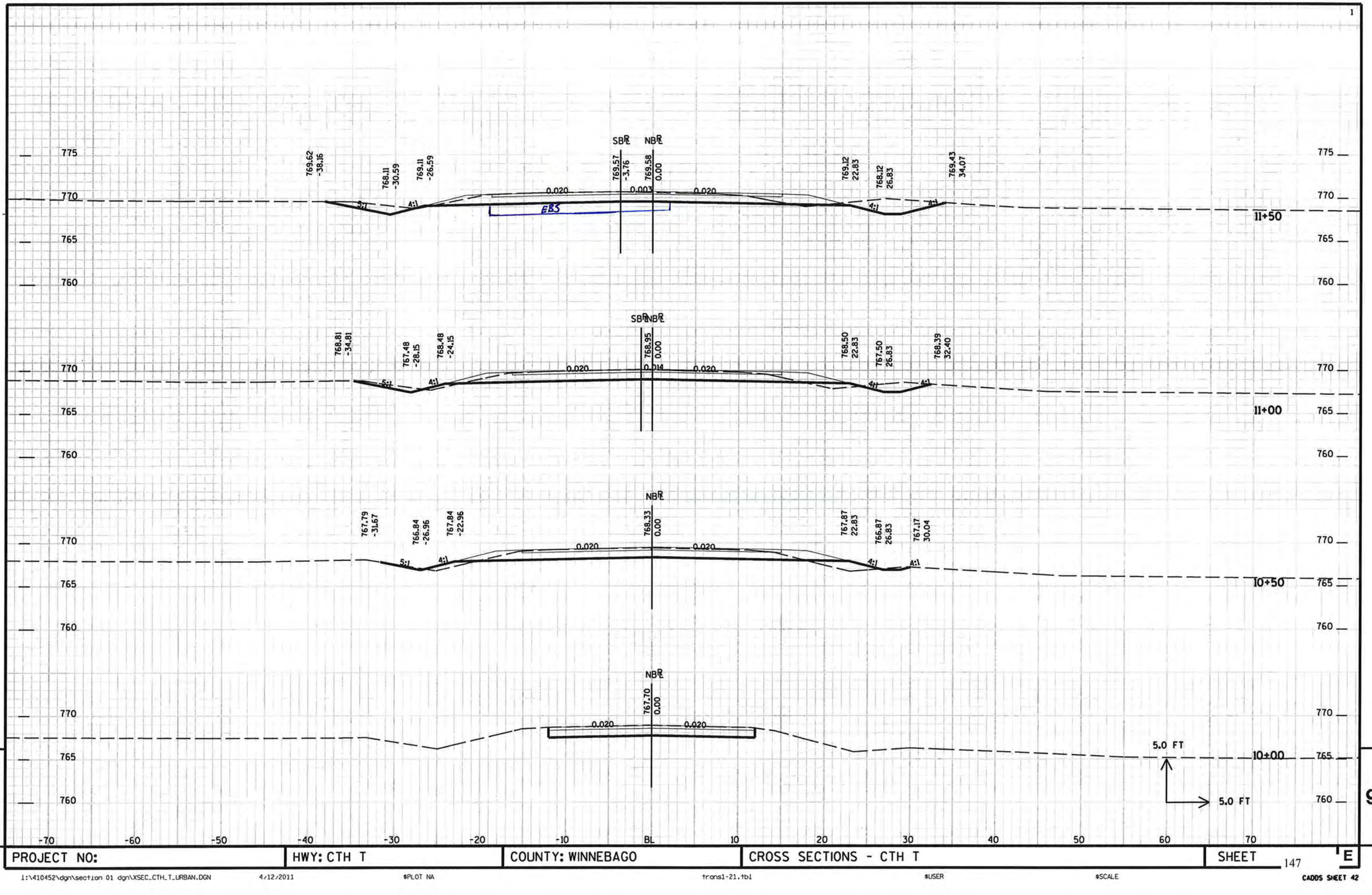
	AREA (SF)				Incremental Vol (CY) (Unadjusted)				Cumulative Vol (CY)				
STATION	Cut	Fill	Rock Exc	EBS	Cut Note 1	Fill Note 2	Rock Exc	EBS	Cut 1.00 Note 1	Expanded Fill 1.30	Expanded Rock 1.10	Expanded EBS Backfill 1.30 Note 5	Mass Ordinate Note 3
496+00.00	25.1	0.0	0.0	0.0									
496+50.00	51.5	2.5	0.0	0.0	71	2	0	0	71	3	0	0	68
497+00.00	58.7	0.0	0.0	0.0	102	2	0	0	173	6	0	0	167
497+50.00	89.9	0.0	0.0	0.0	138	0	0	0	310	6	0	0	304
498+00.00	100.1	0.3	0.0	0.0	176	0	0	0	486	6	0	0	480
498+50.00	106.1	4.5	0.0	0.0	191	4	0	0	677	12	0	0	665
499+00.00	107.2	3.0	0.0	0.0	197	7	0	0	875	21	0	0	853
499+50.00	193.8	0.0	0.0	0.0	279	3	0	0	1,153	25	0	0	1,129
500+50.00	68.2	4.0	0.0	0.0	0	0	0	0	1,153	25	0	0	1,129
501+00.00	68.4	4.1	0.0	0.0	127	8	0	0	1,280	35	0	0	1,245
501+50.00	62.3	3.5	0.0	0.0	121	7	0	0	1,401	44	0	0	1,357
502+00.00	49.0	0.0	0.0	0.0	103	3	0	0	1,504	48	0	0	1,456
502+20.00	25.6	0.0	0.0	0.0	28	0	0	0	1,532	48	0	0	1,484
					1,532	37	0	0					

Notes:	
1 - Cut	Cut includes existing asphalt and concrete pavement
2 - Fill	Unexpanded
3 - Mass Ordinate	Cut - (Fill * Fill Factor)
5- Expanded EBS Backfill	Will be backfilled with Waste Material

EARTHWORK - CTH GG

	AREA (SF)				Incremental Vol (CY) (Unadjusted)				Cumulative Vol (CY)				
STATION	Cut	Fill	Rock Exc	EBS	Cut Note 1	Fill Note 2	Rock Exc	EBS	Cut 1.00 Note 1	Expanded Fill 1.30	Expanded Rock 1.10	Expanded EBS Backfill 1.30 Note 5	Mass Ordinate Note 3
597+25.00	28.1	0.0	0.0	0.0									
597+50.00	43.1	6.8	0.0	0.0	33	3	0	0	33	4	0	0	29
598+00.00	63.9	1.8	0.0	0.0	99	8	0	0	132	14	0	0	118
598+25.00	70.0	5.7	0.0	0.0	62	3	0	0	194	19	0	0	175
598+50.00	86.3	0.0	0.0	0.0	72	3	0	0	266	22	0	0	244
599+00.00	90.6	3.5	0.0	0.0	164	3	0	0	430	27	0	0	404
599+50.00	90.0	3.2	0.0	0.0	167	6	0	0	597	35	0	0	563
600+50.00	143.1	6.7	0.0	0.0	0	0	0	0	597	35	0	0	563
601+00.00	104.3	6.4	0.0	0.0	229	12	0	0	827	50	0	0	776
601+50.00	112.7	3.9	0.0	0.0	201	10	0	0	1,028	63	0	0	965
602+00.00	114.8	1.5	0.0	0.0	211	5	0	0	1,238	69	0	0	1,169
602+25.00	107.0	1.8	0.0	0.0	103	2	0	0	1,341	71	0	0	1,270
602+50.00	90.9	0.0	0.0	0.0	92	1	0	0	1,432	72	0	0	1,360
602+85.00	27.9	0.0	0.0	0.0	77	0	0	0	1,509	72	0	0	1,437
					1,509	56	0	0					

Notes:	
1 - Cut	Cut includes existing asphalt and concrete pavement
2 - Fill	Unexpanded
3 - Mass Ordinate	Cut - (Fill * Fill Factor)
5- Expanded EBS Backfill	Will be backfilled with Waste Material



PROJECT NO:	HWY: CTH T	COUNTY: WINNEBAGO	CROSS SECTIONS - CTH T	SHEET

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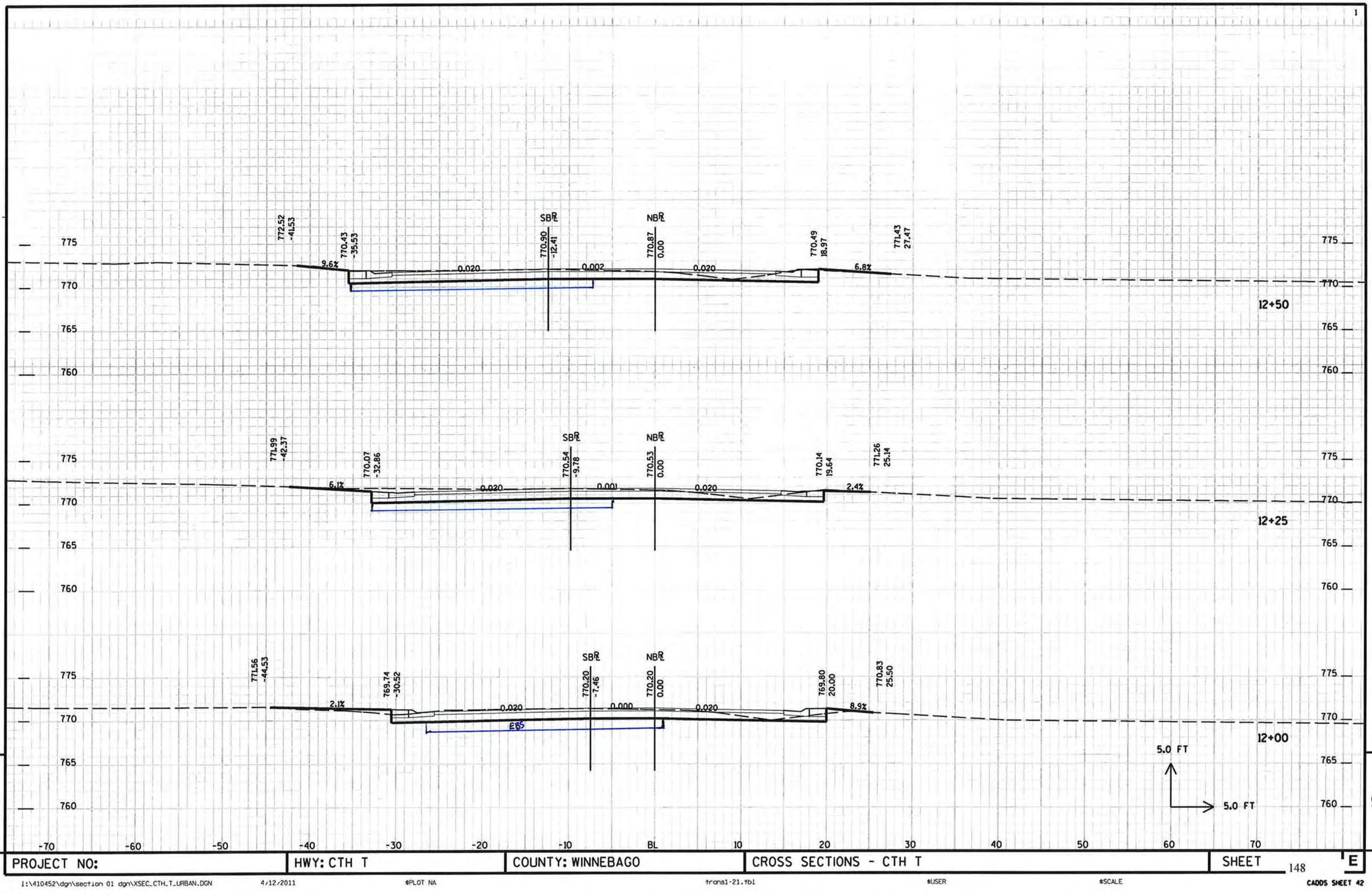

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PROJECT NO:	HWY: CTH T	COUNTY: WINNEBAGO	CROSS SECTIONS - CTH T	SHEET 148 E

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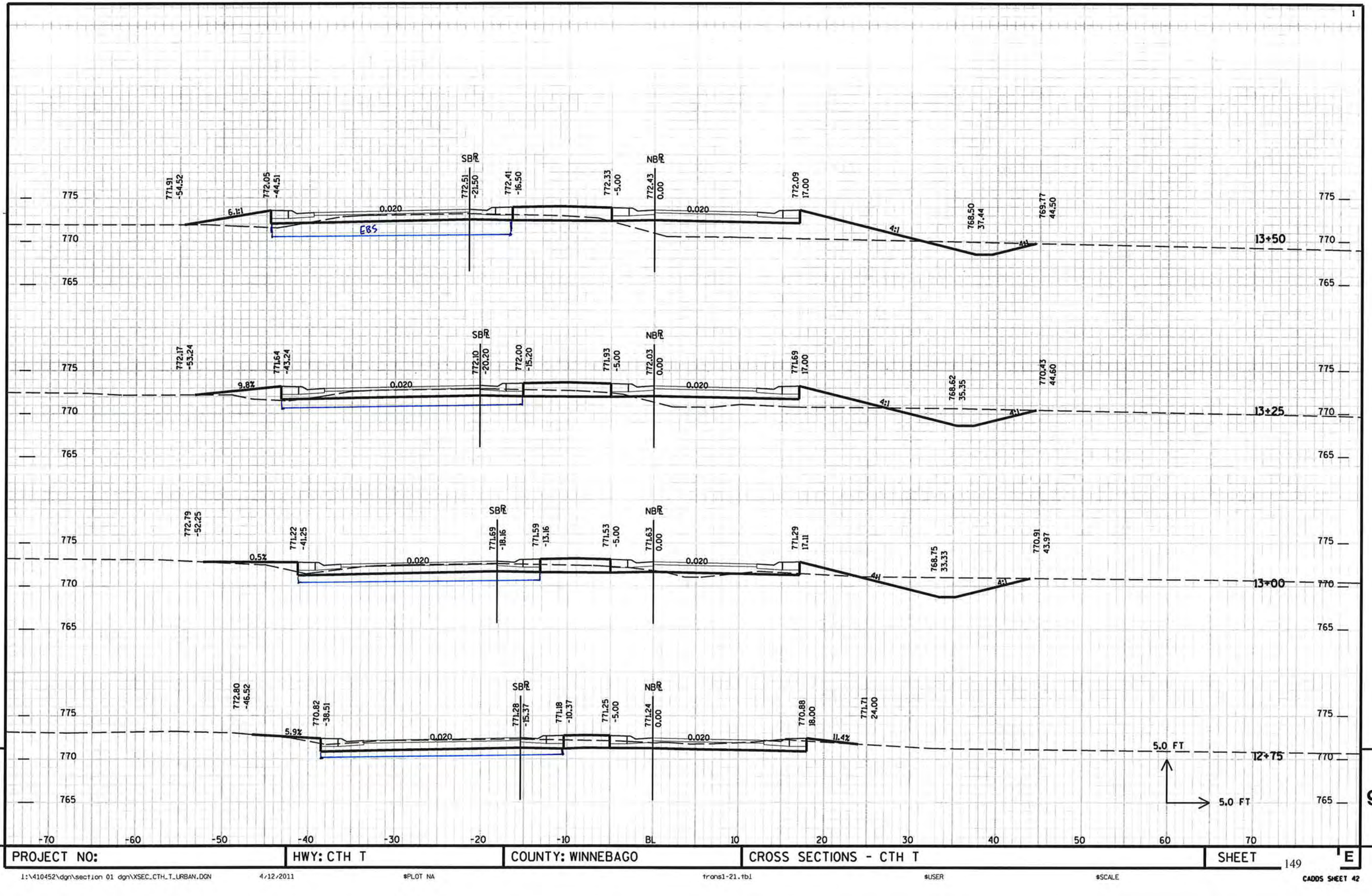

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PROJECT NO:	HWY: CTH T	COUNTY: WINNEBAGO	CROSS SECTIONS - CTH T	SHEET E

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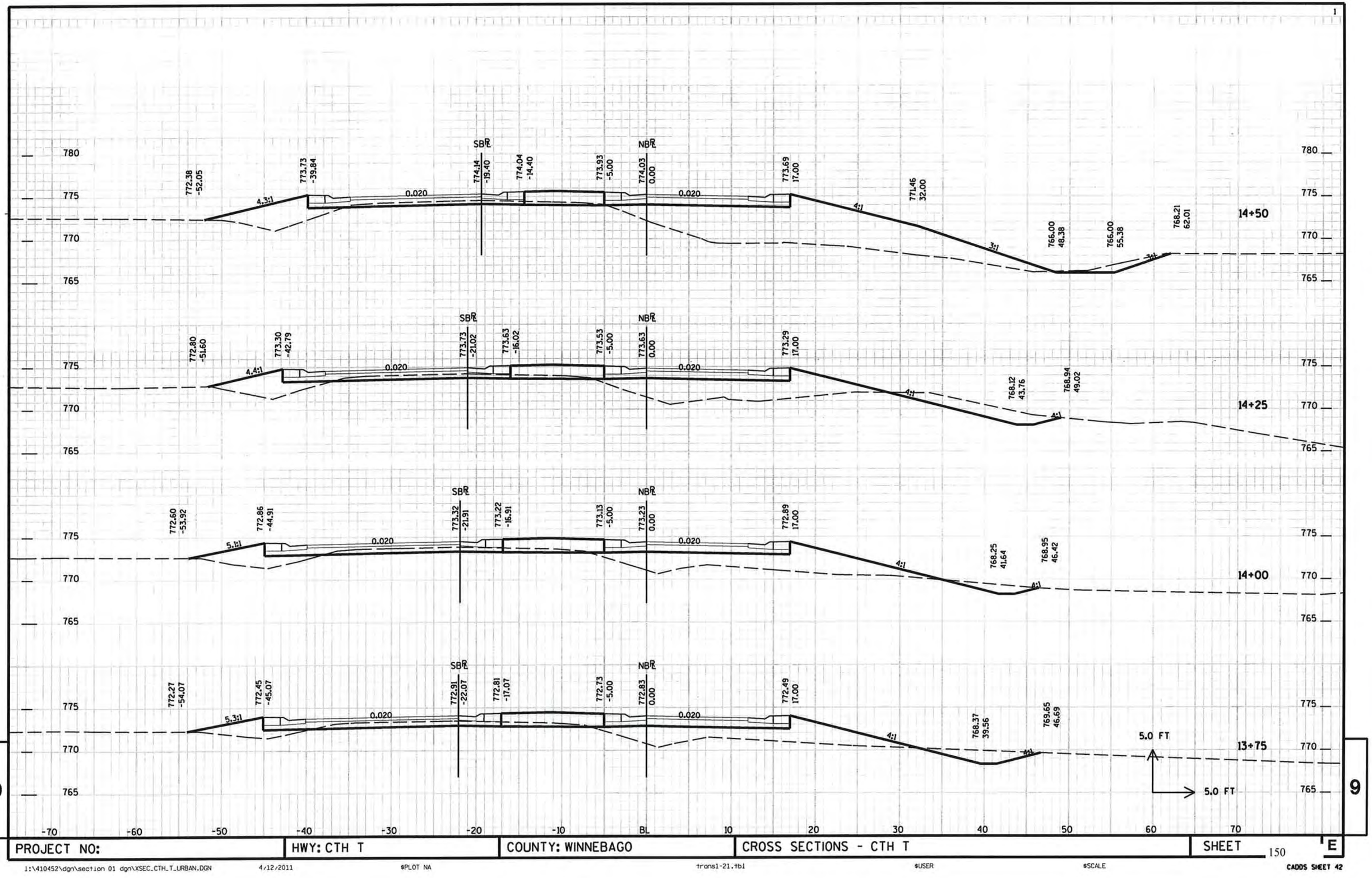

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PROJECT NO:	HWY: CTH T	COUNTY: WINNEBAGO	CROSS SECTIONS - CTH T	SHEET 150 E

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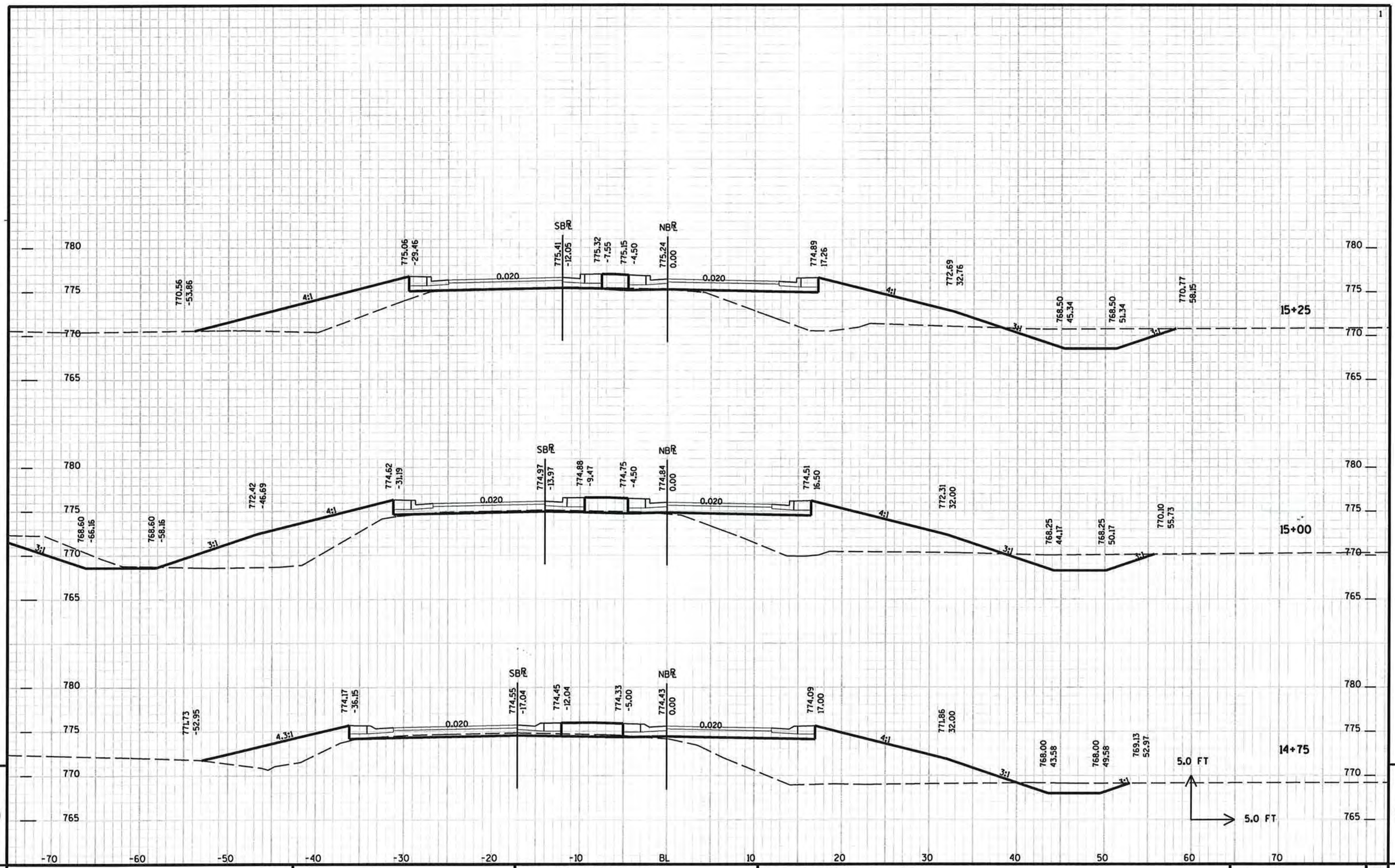

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PROJECT NO:	HWY: CTH T	COUNTY: WINNEBAGO	CROSS SECTIONS - CTH T	SHEET E

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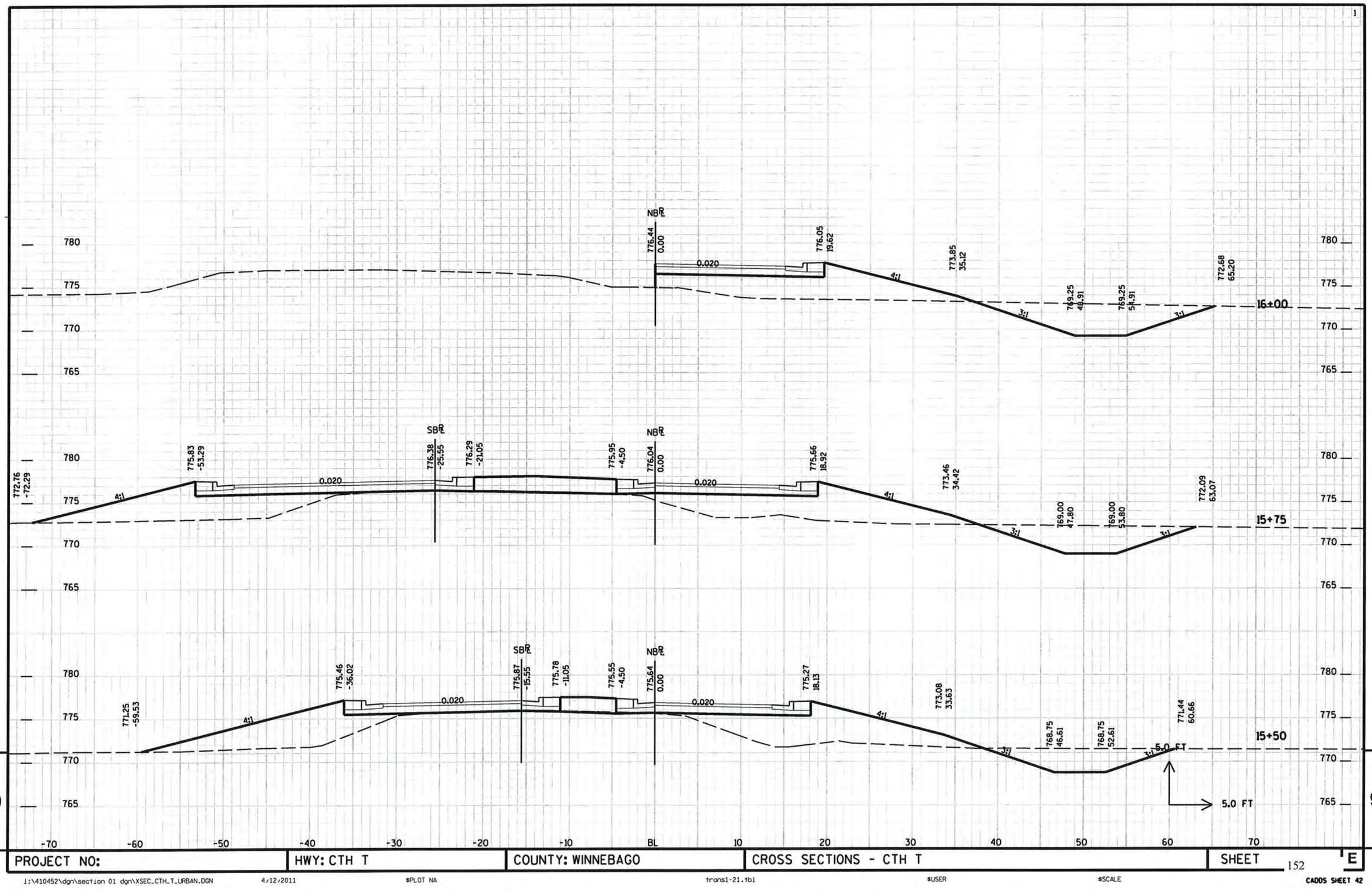

PROJECT NO:	HWY: CTH T	COUNTY: WINNEBAGO	CROSS SECTIONS - CTH T	SHEET E

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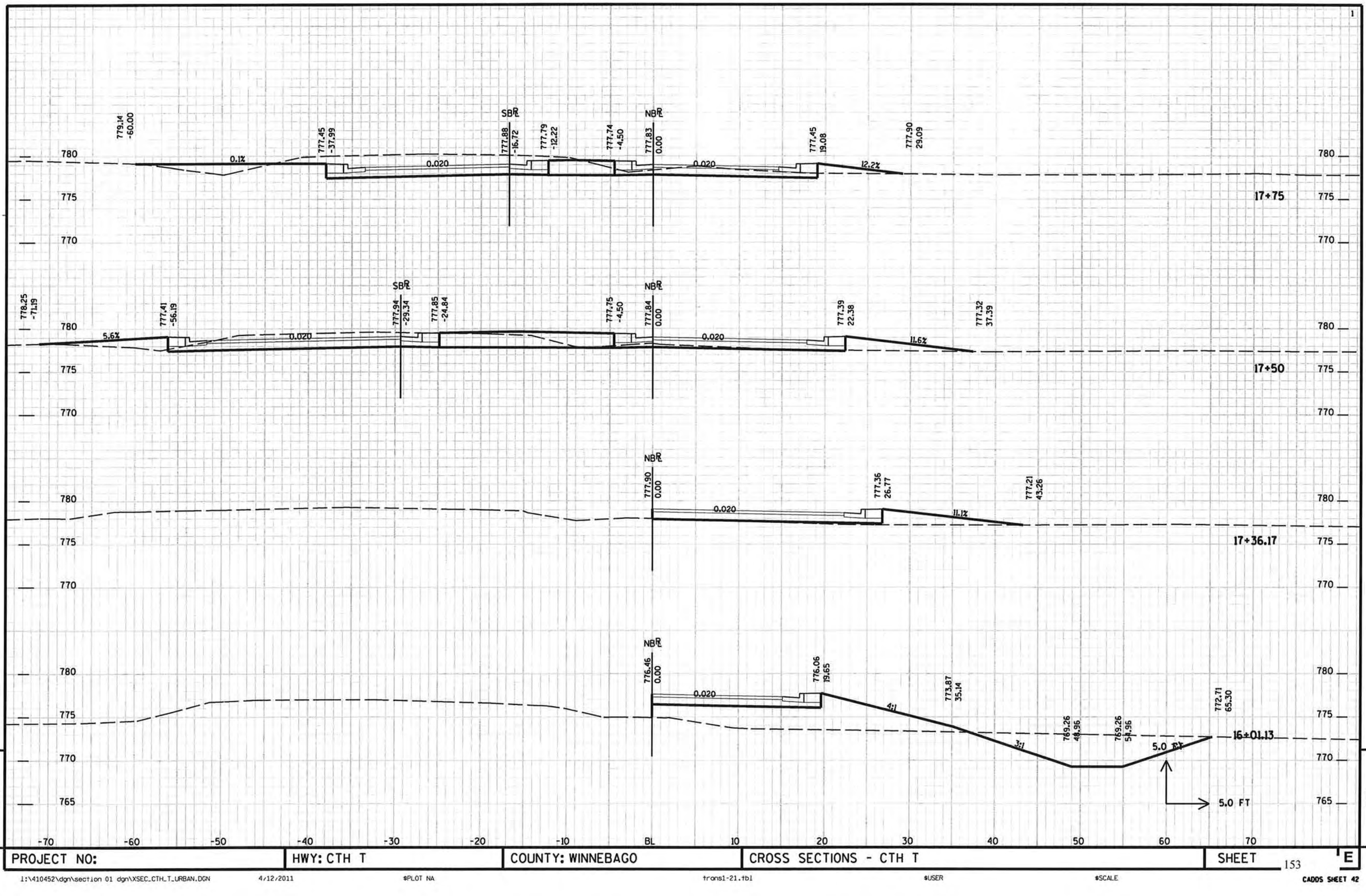

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PROJECT NO:	HWY: CTH T	COUNTY: WINNEBAGO	CROSS SECTIONS - CTH T	SHEET E

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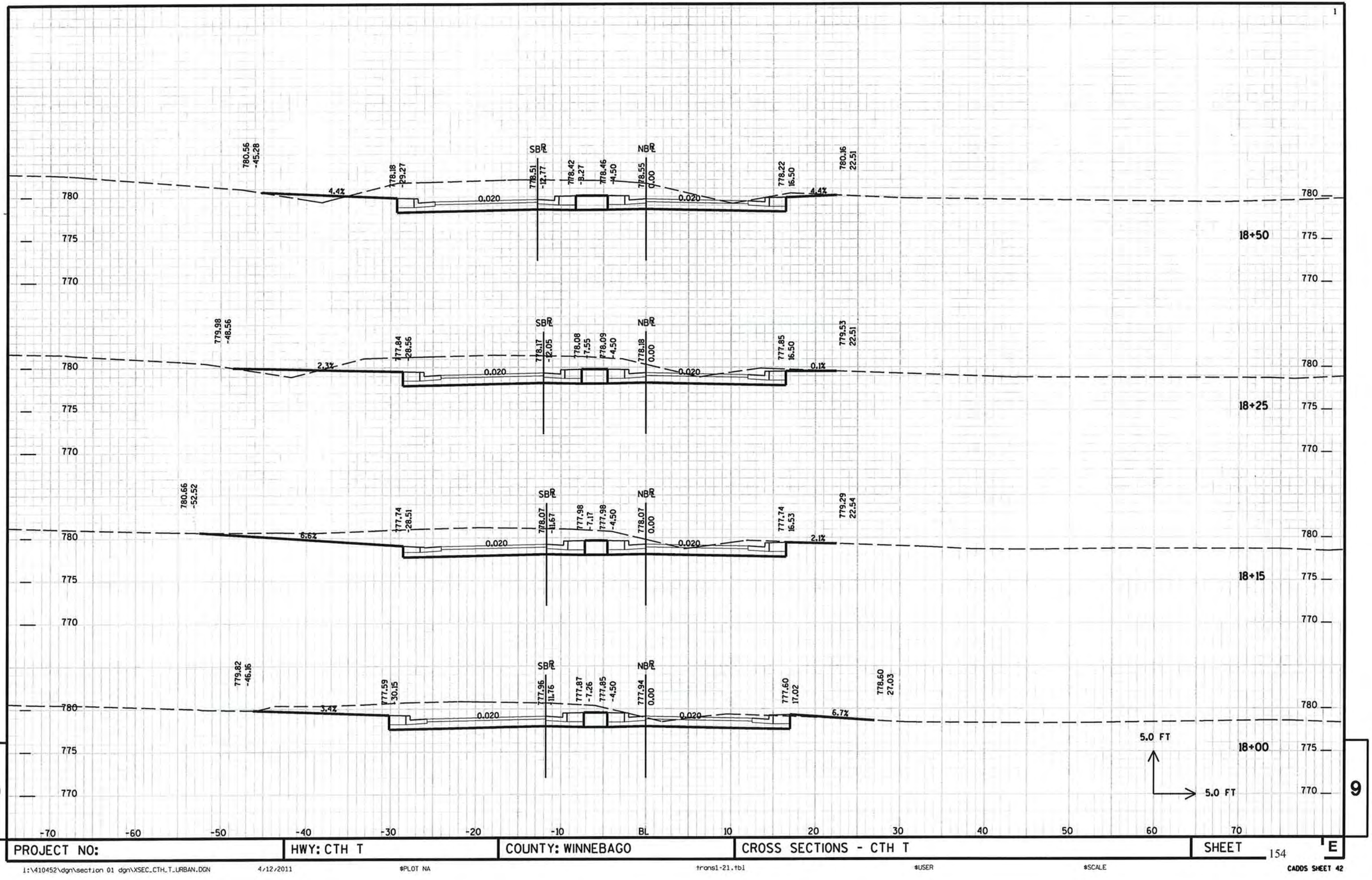

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PROJECT NO:	HWY: CTH T	COUNTY: WINNEBAGO	CROSS SECTIONS - CTH T	SHEET E

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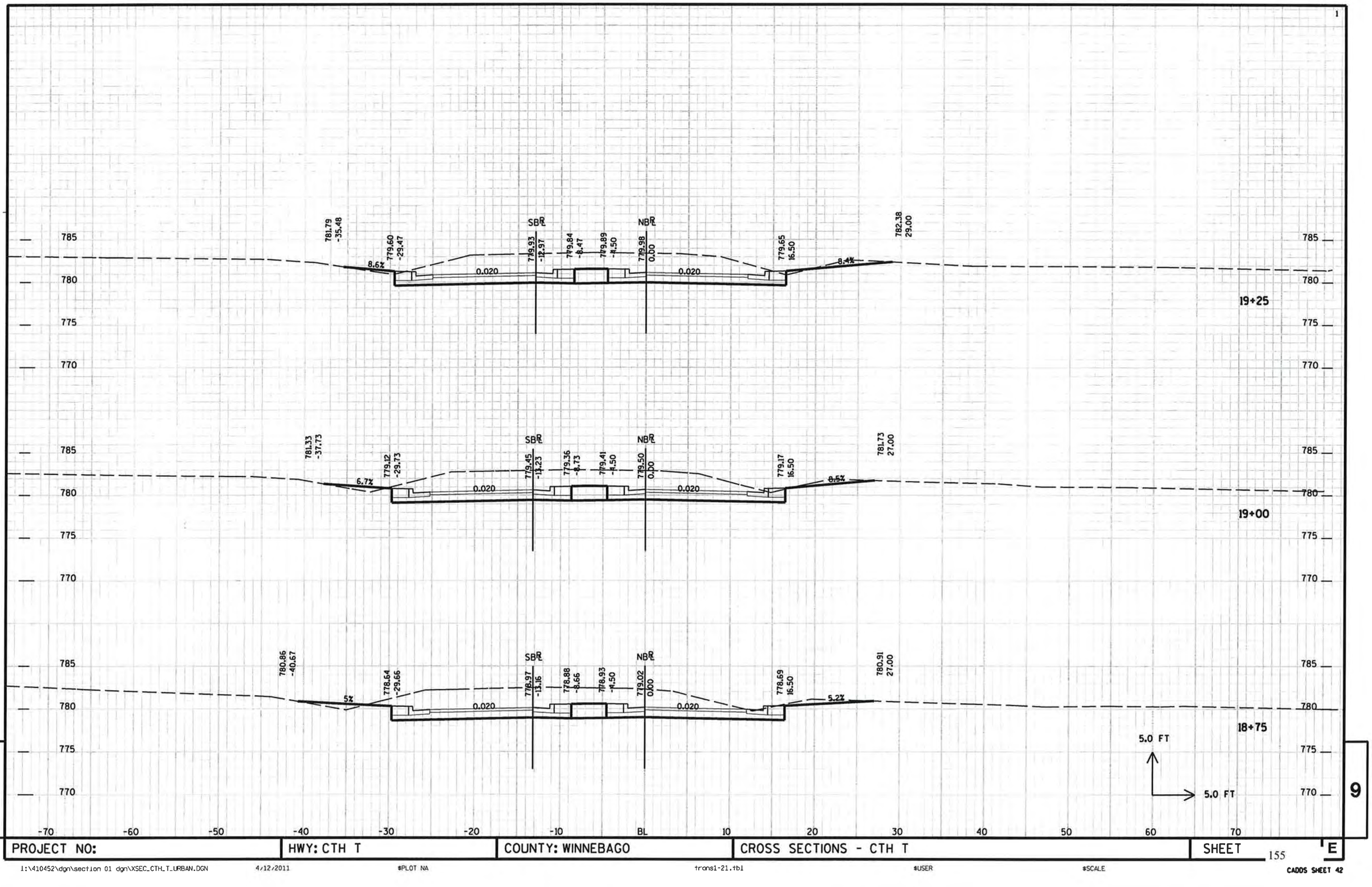

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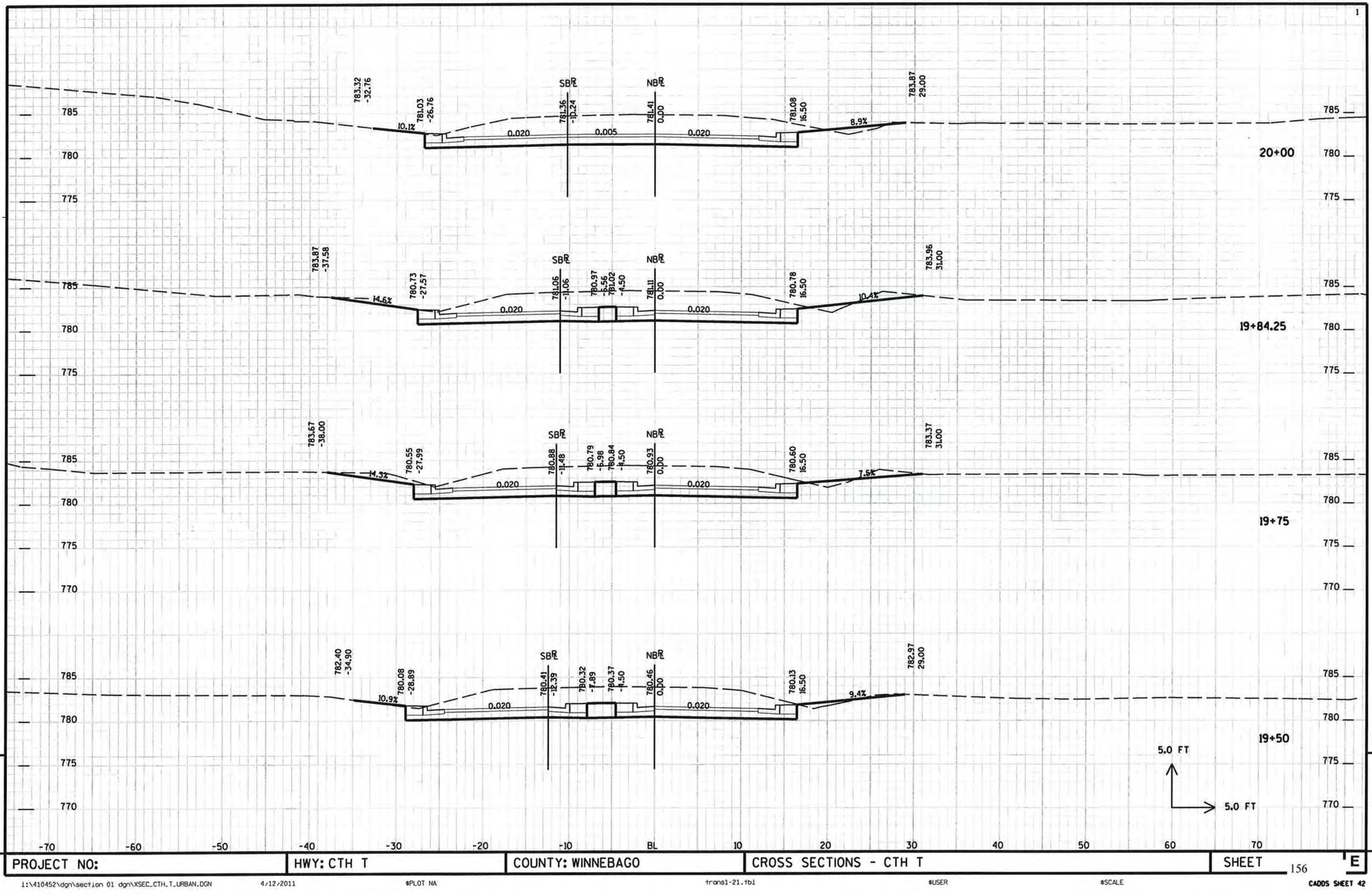

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PROJECT NO:	HWY: CTH T	COUNTY: WINNEBAGO	CROSS SECTIONS - CTH T	SHEET E

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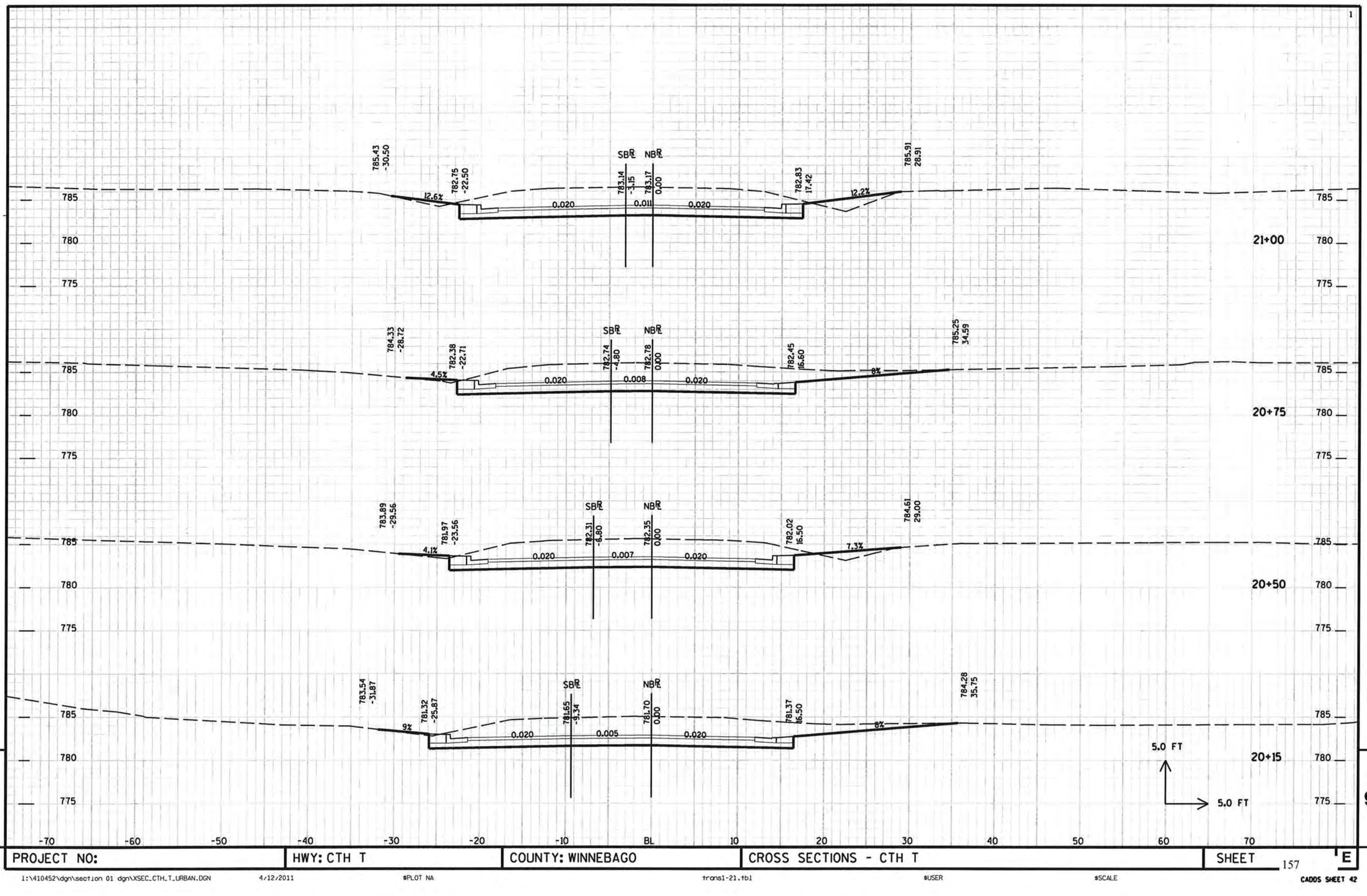

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PROJECT NO:	HWY: CTH T	COUNTY: WINNEBAGO	CROSS SECTIONS - CTH T	SHEET E

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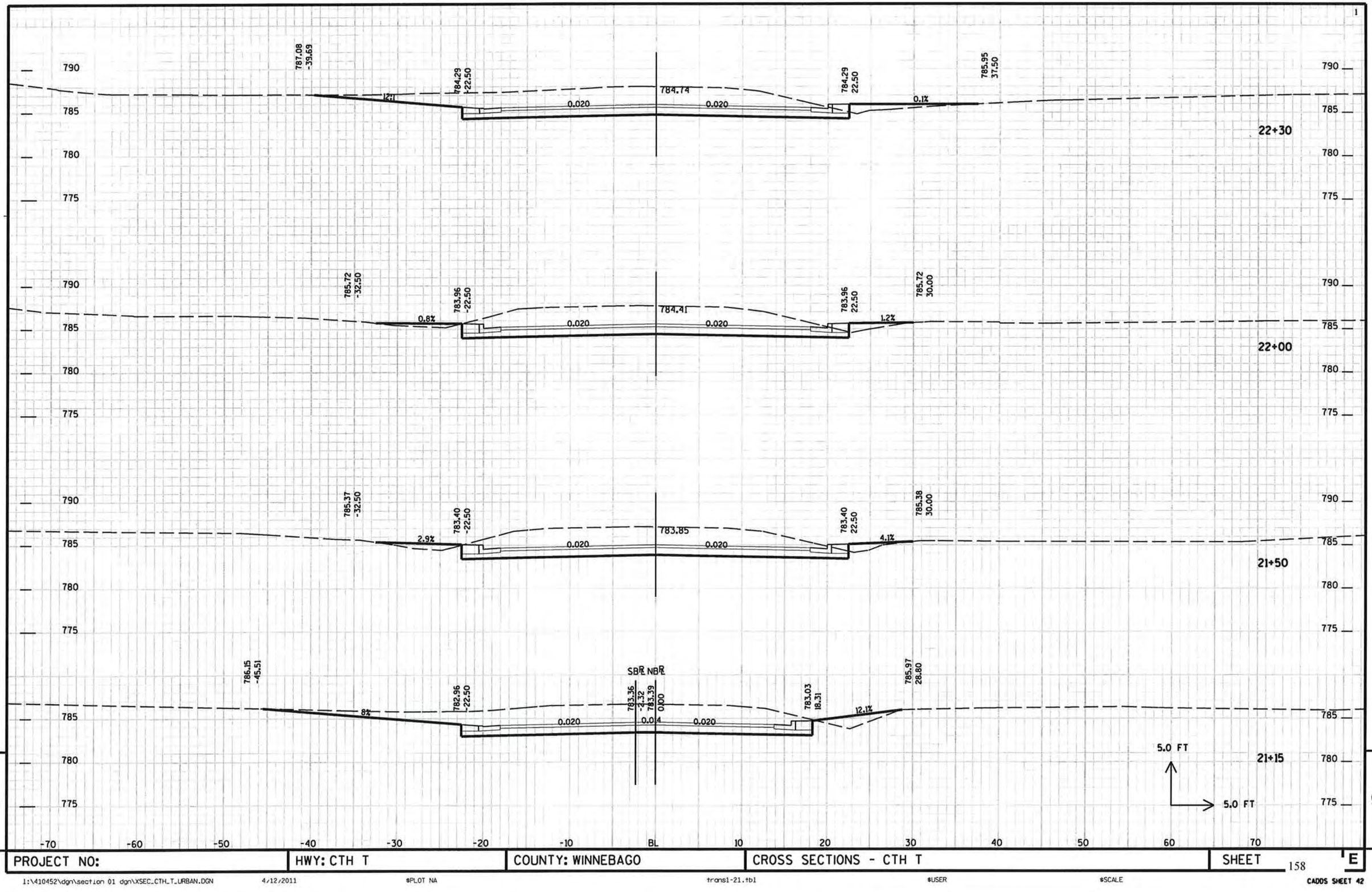

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PROJECT NO:	HWY: CTH T	COUNTY: WINNEBAGO	CROSS SECTIONS - CTH T	SHEET E

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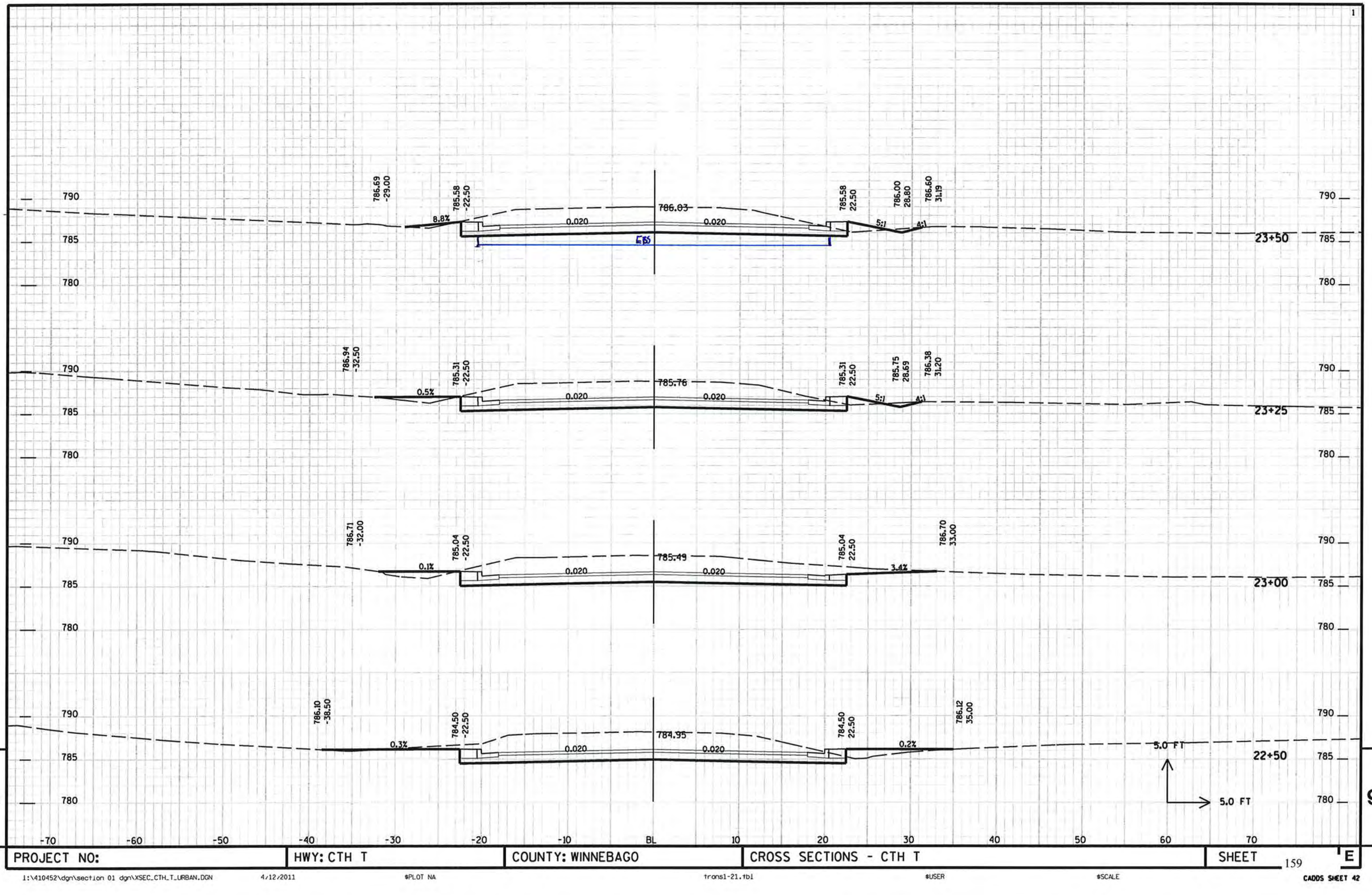

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PROJECT NO:	HWY: CTH T	COUNTY: WINNEBAGO	CROSS SECTIONS - CTH T	SHEET E

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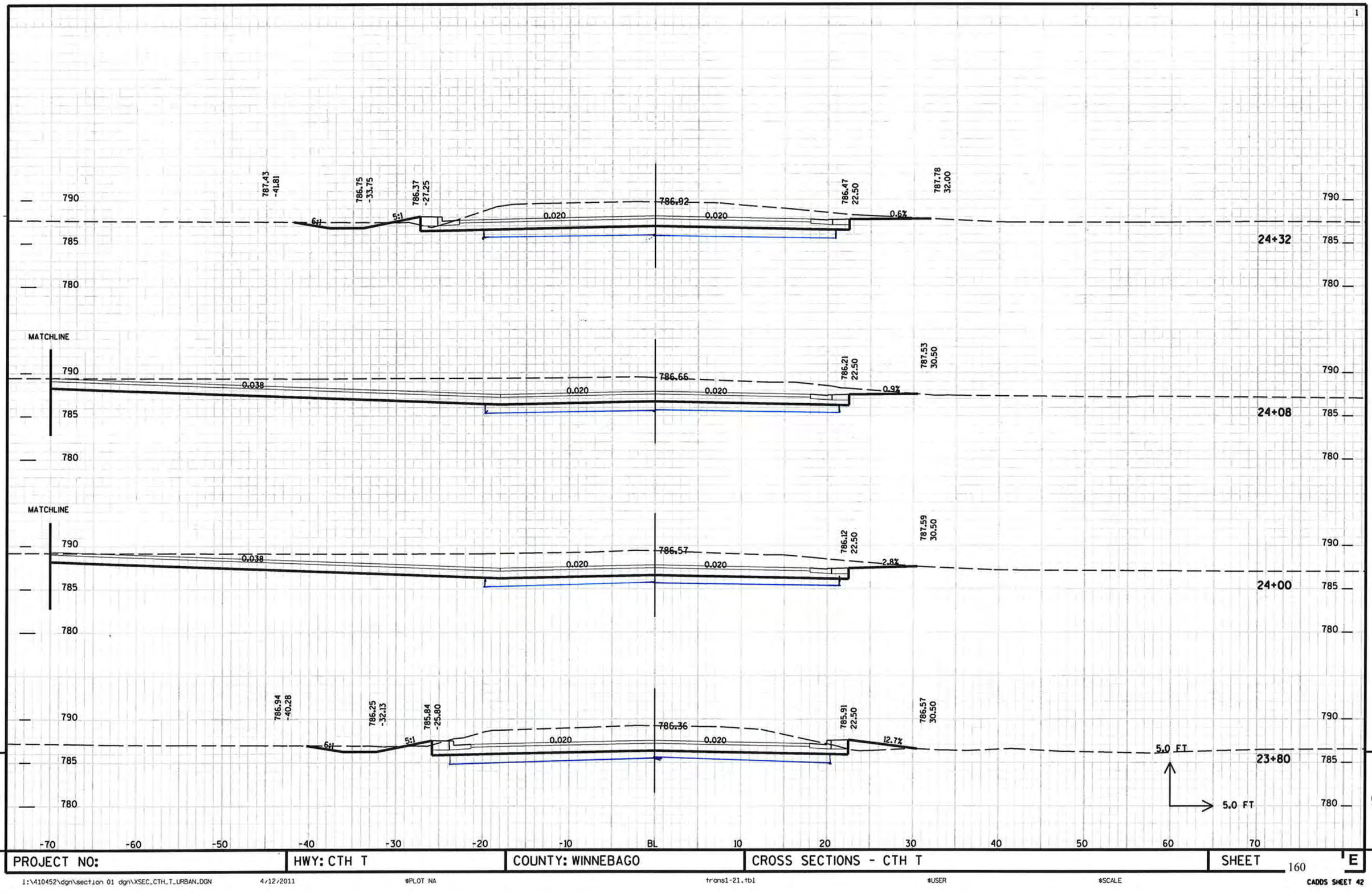

PROJECT NO:	HWY: CTH T	COUNTY: WINNEBAGO	CROSS SECTIONS - CTH T	SHEET E

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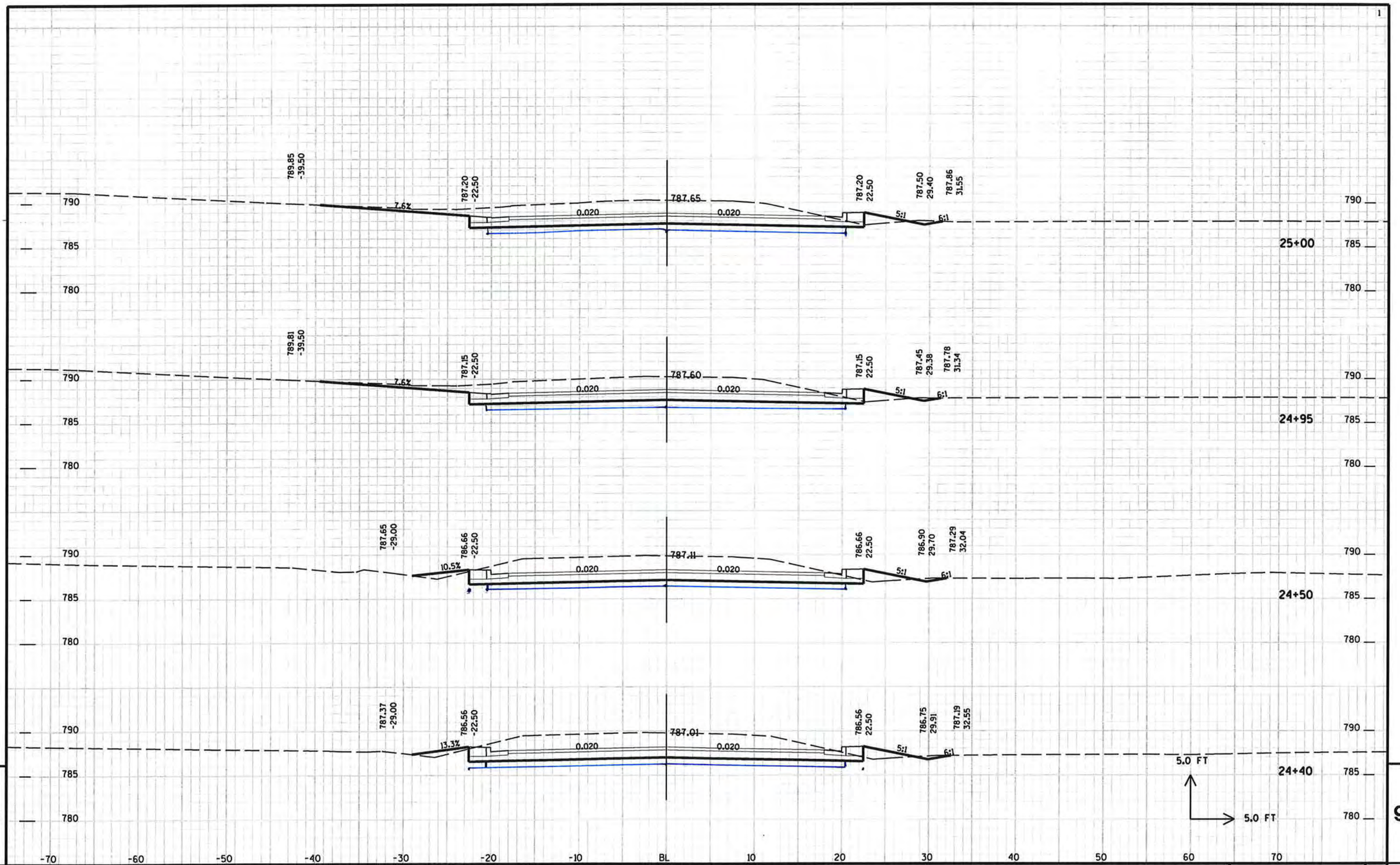

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PROJECT NO:	HWY: CTH T	COUNTY: WINNEBAGO	CROSS SECTIONS - CTH T	SHEET E

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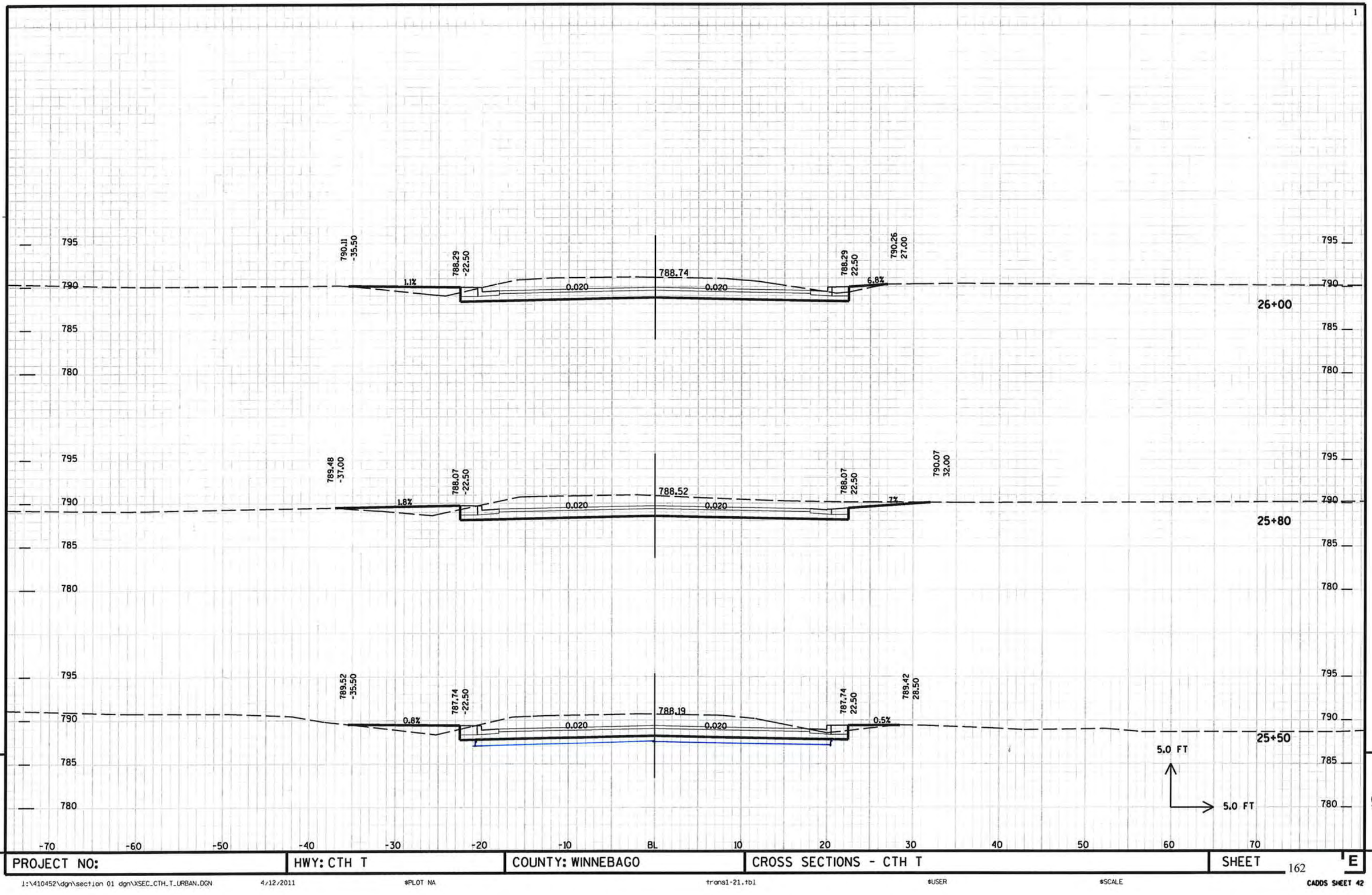

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PROJECT NO:	HWY: CTH T	COUNTY: WINNEBAGO	CROSS SECTIONS - CTH T	SHEET

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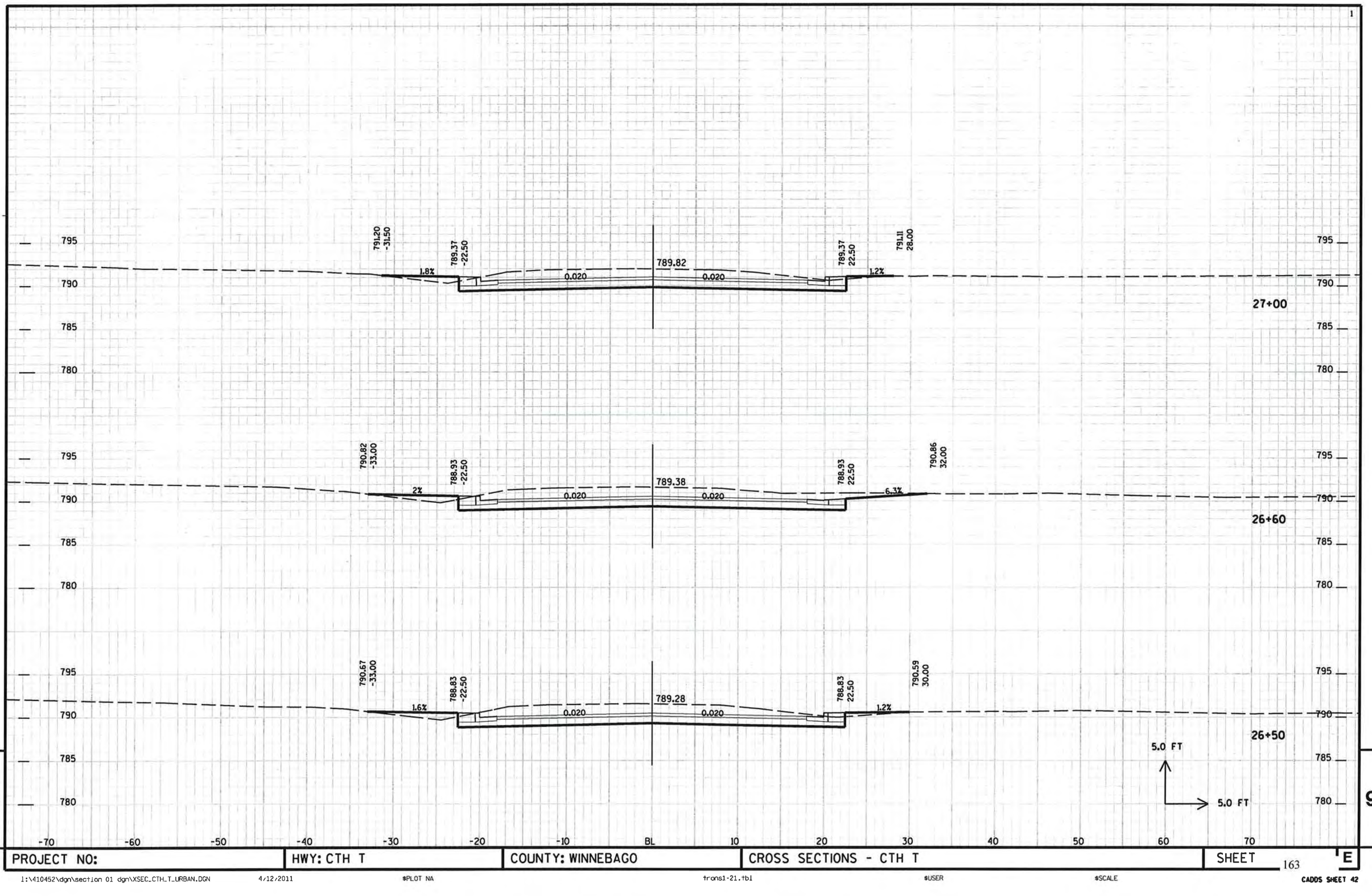

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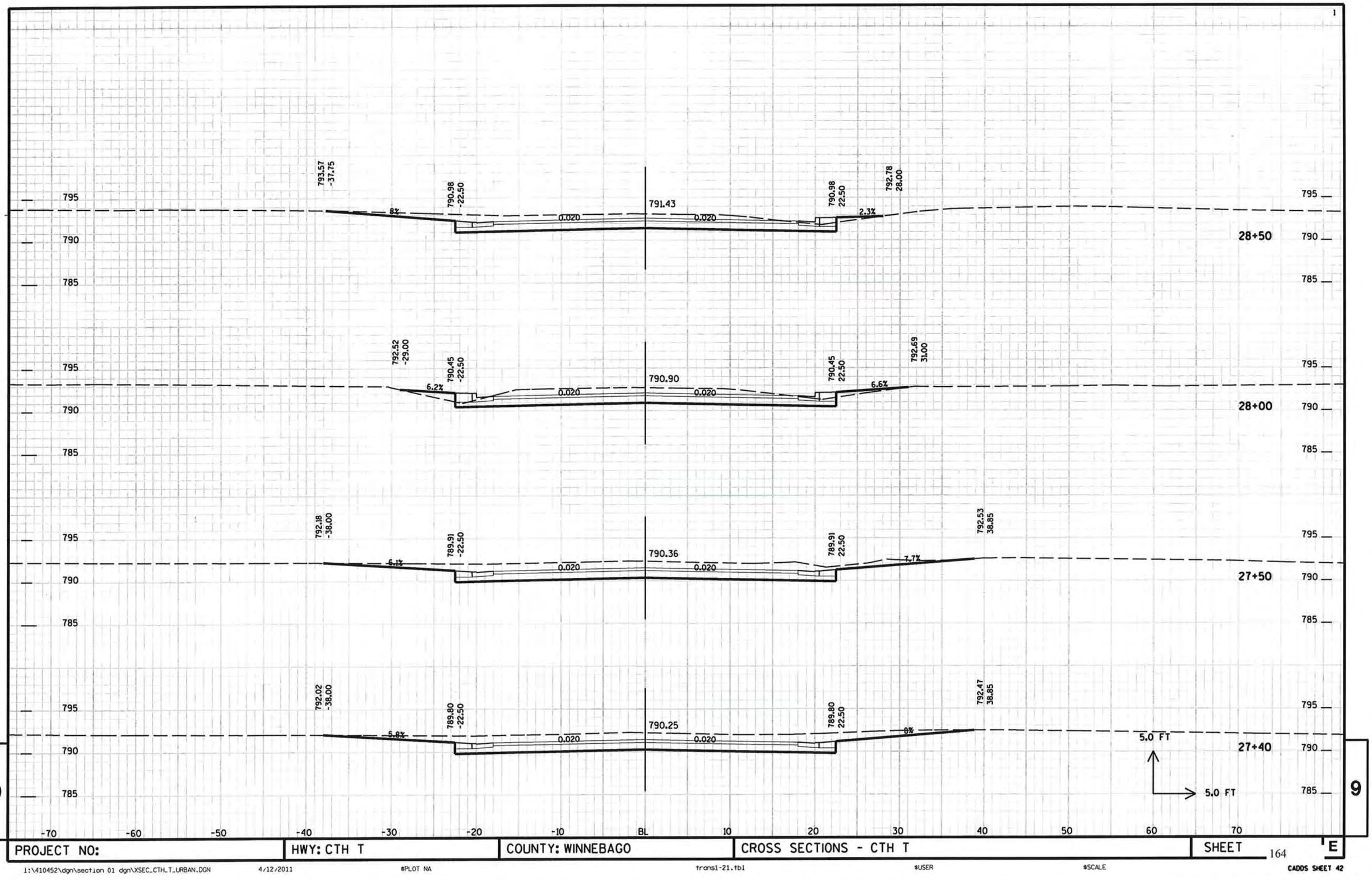

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PROJECT NO:	HWY: CTH T	COUNTY: WINNEBAGO	CROSS SECTIONS - CTH T	SHEET E

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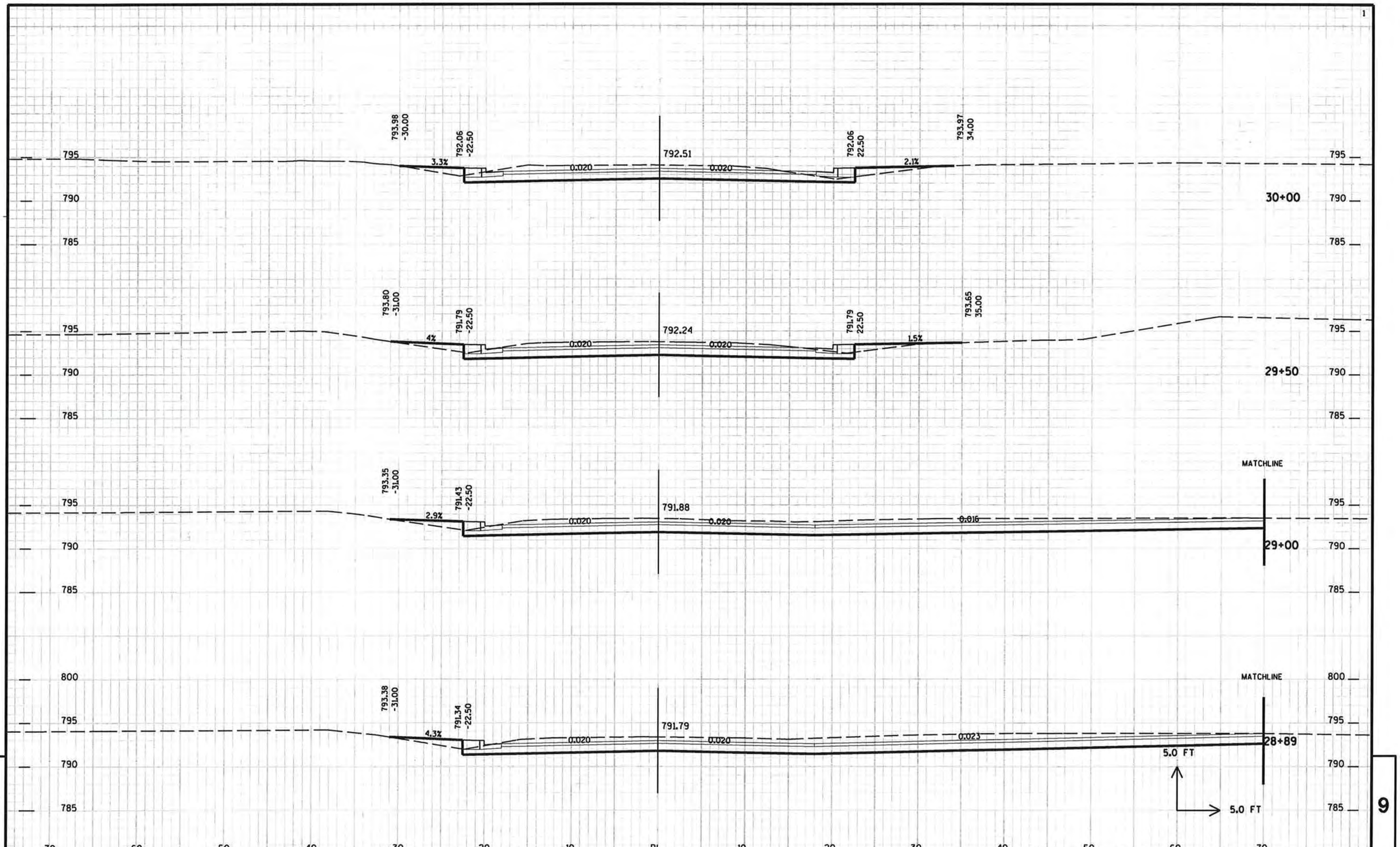

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PROJECT NO:	HWY: CTH T	COUNTY: WINNEBAGO	CROSS SECTIONS - CTH T	SHEET E

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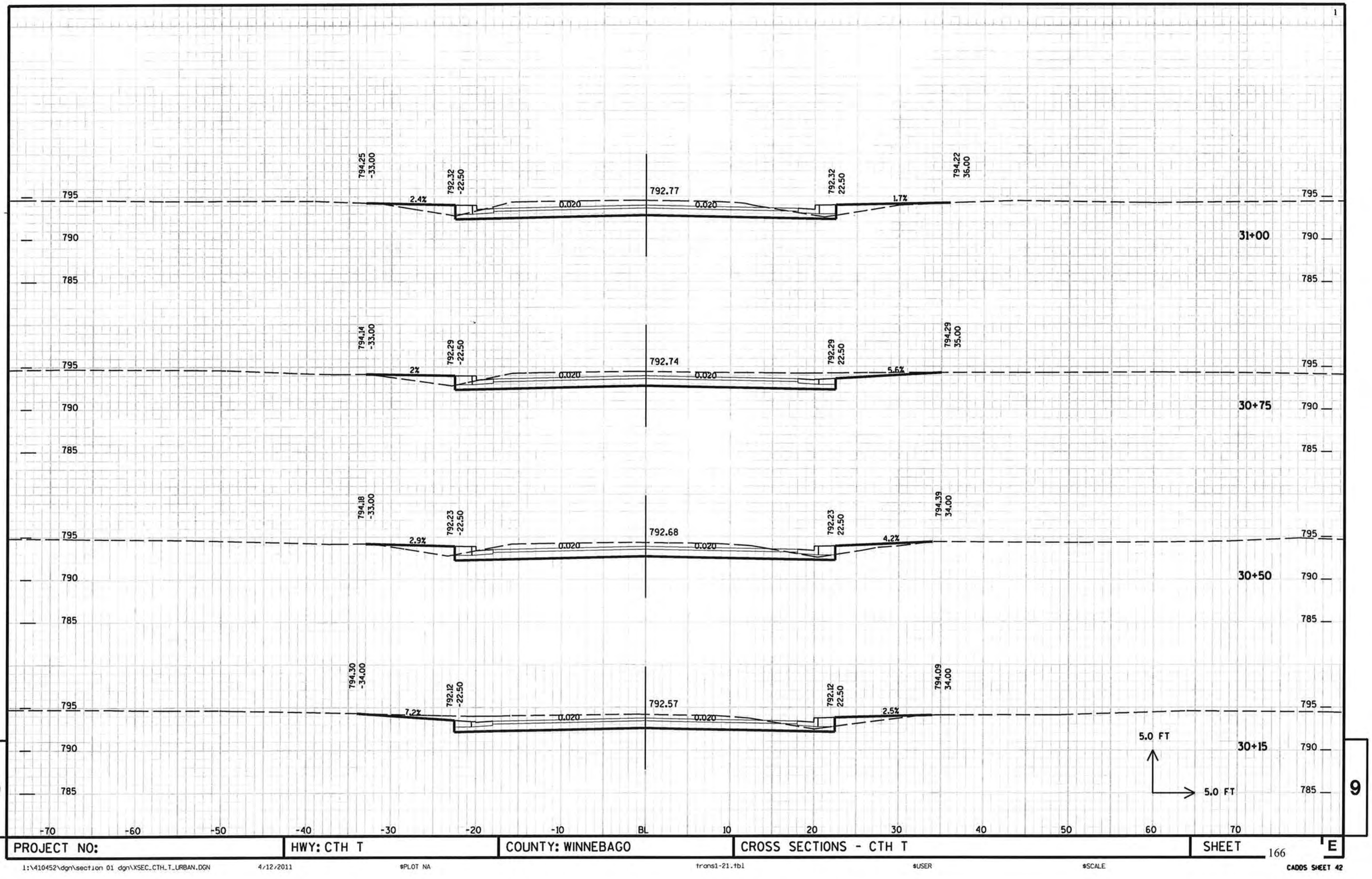

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PROJECT NO:	HWY: CTH T	COUNTY: WINNEBAGO	CROSS SECTIONS - CTH T	SHEET E

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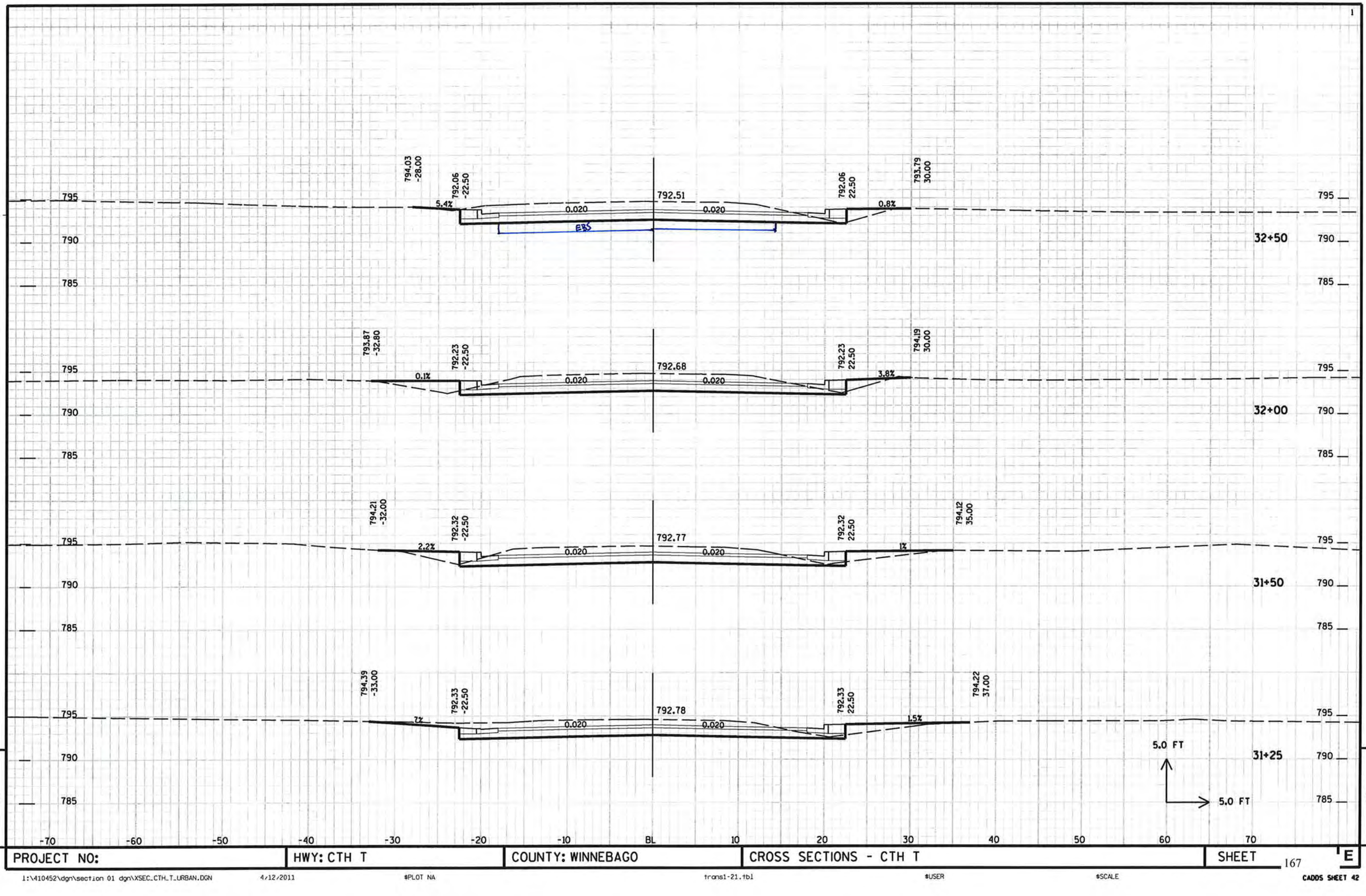

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PROJECT NO:	HWY: CTH T	COUNTY: WINNEBAGO	CROSS SECTIONS - CTH T	SHEET

E

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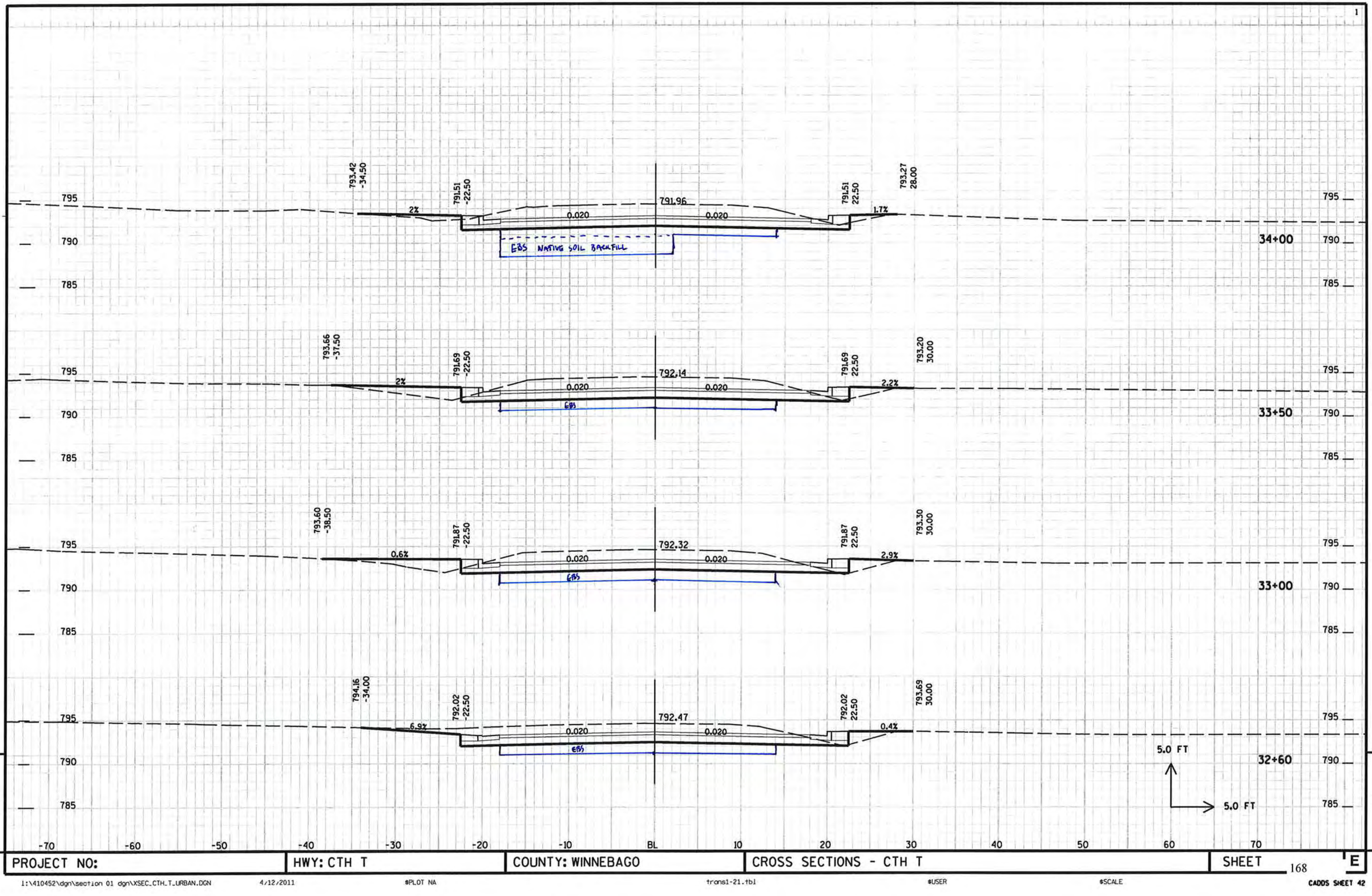

PROJECT NO:	HWY: CTH T	COUNTY: WINNEBAGO	CROSS SECTIONS - CTH T	SHEET E

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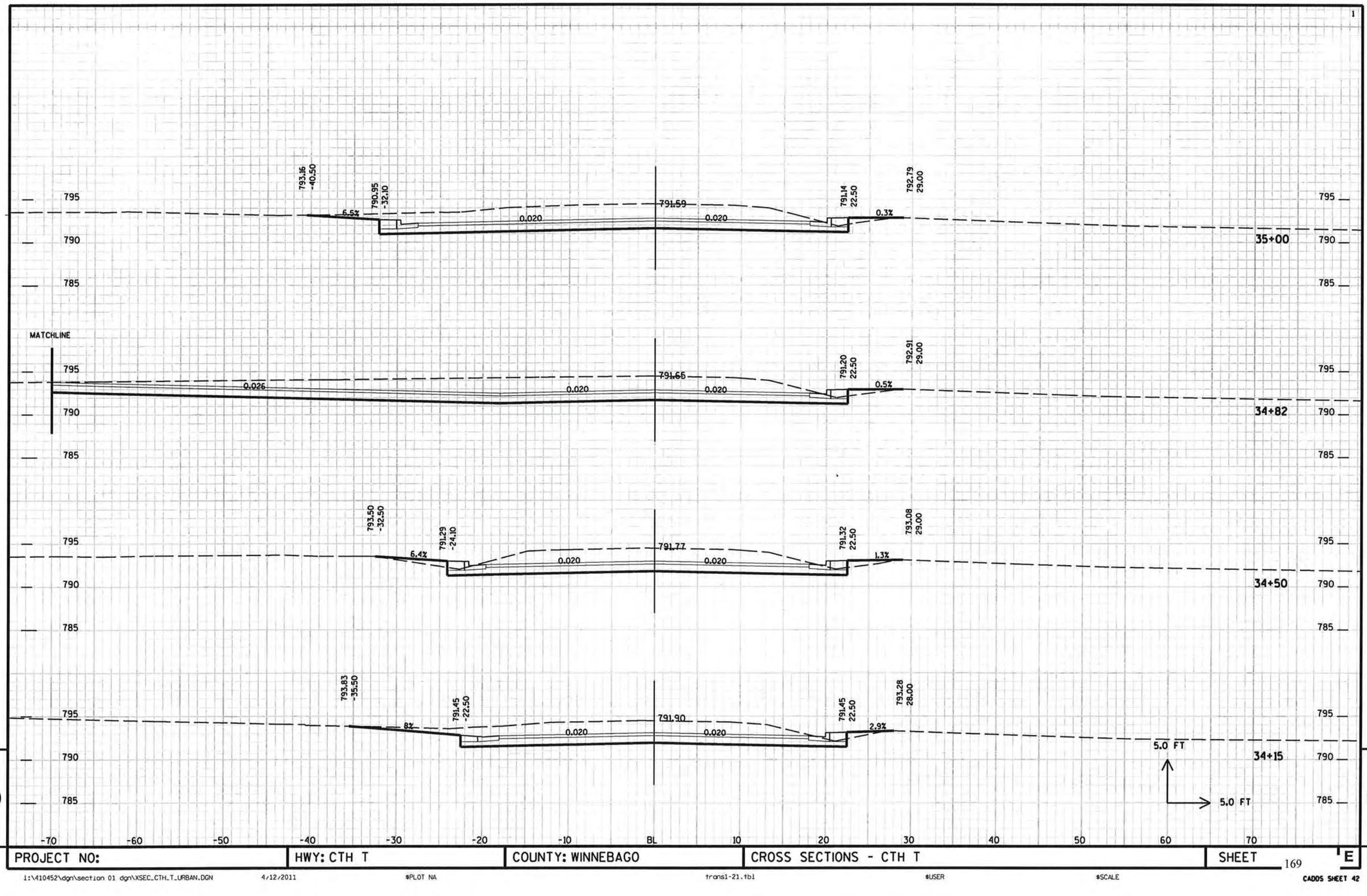

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PROJECT NO:	HWY: CTH T	COUNTY: WINNEBAGO	CROSS SECTIONS - CTH T	SHEET E

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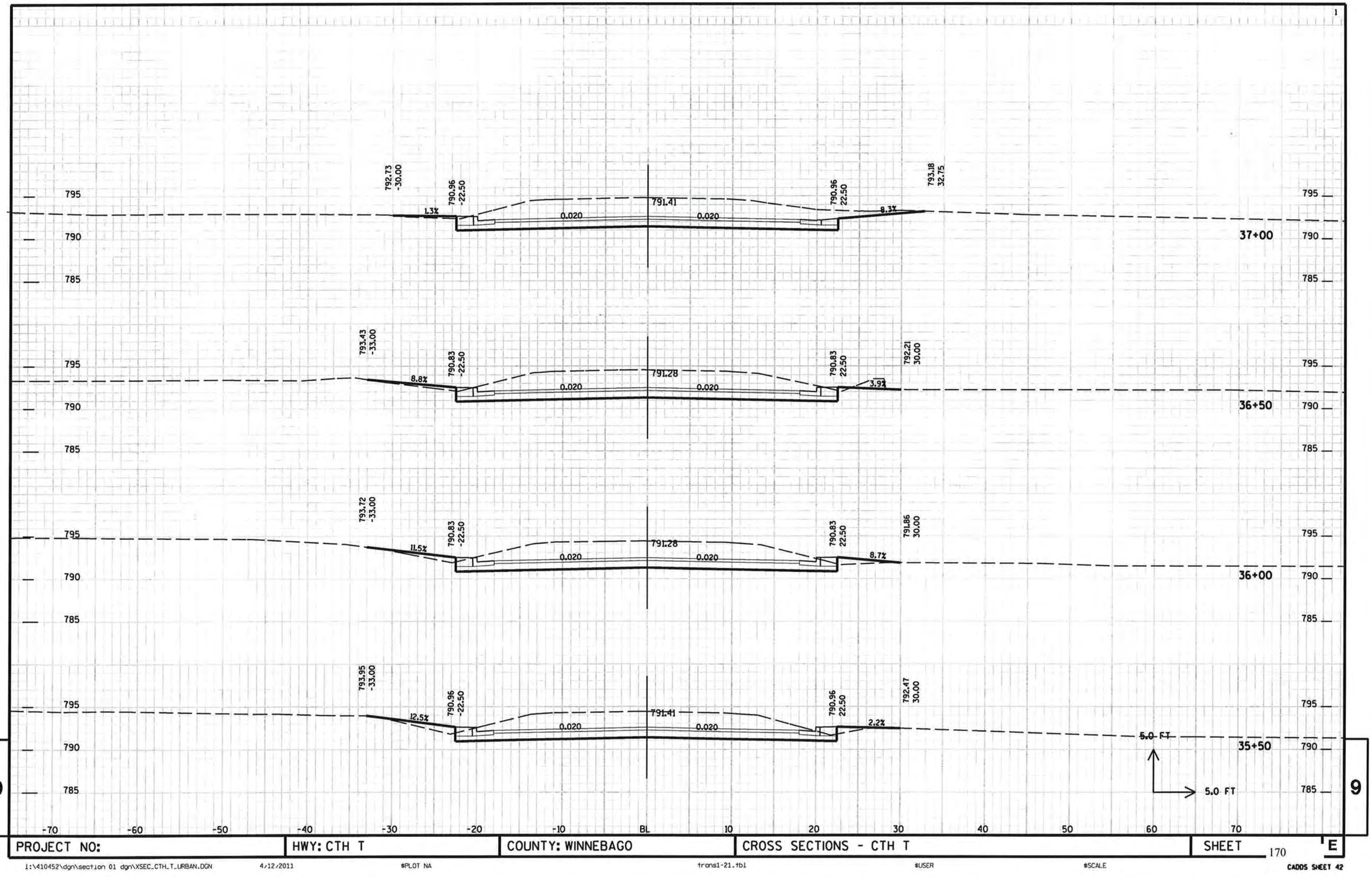

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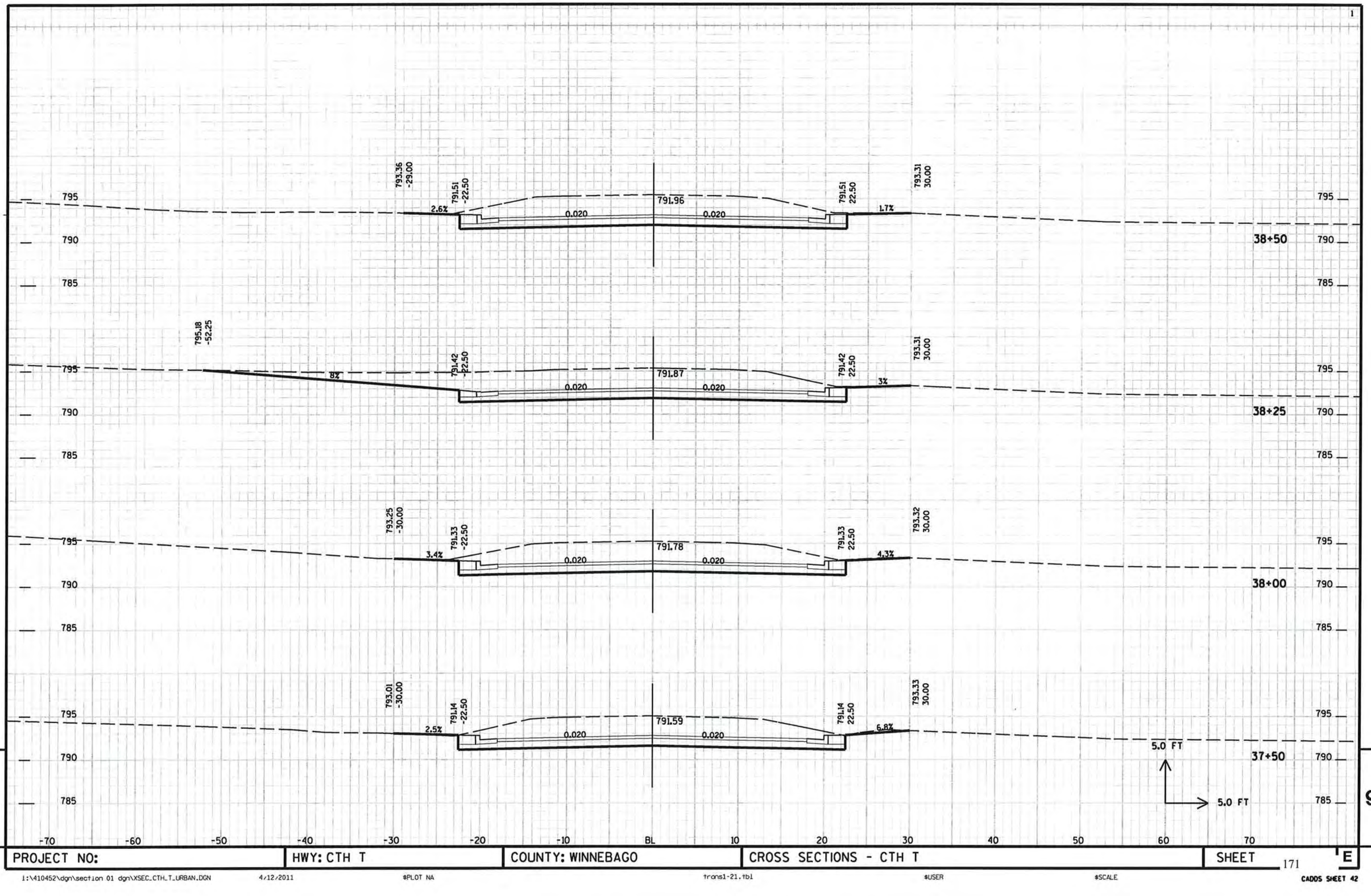
9

PROJECT NO:	HWY: CTH T	COUNTY: WINNEBAGO	CROSS SECTIONS - CTH T	SHEET 170 E



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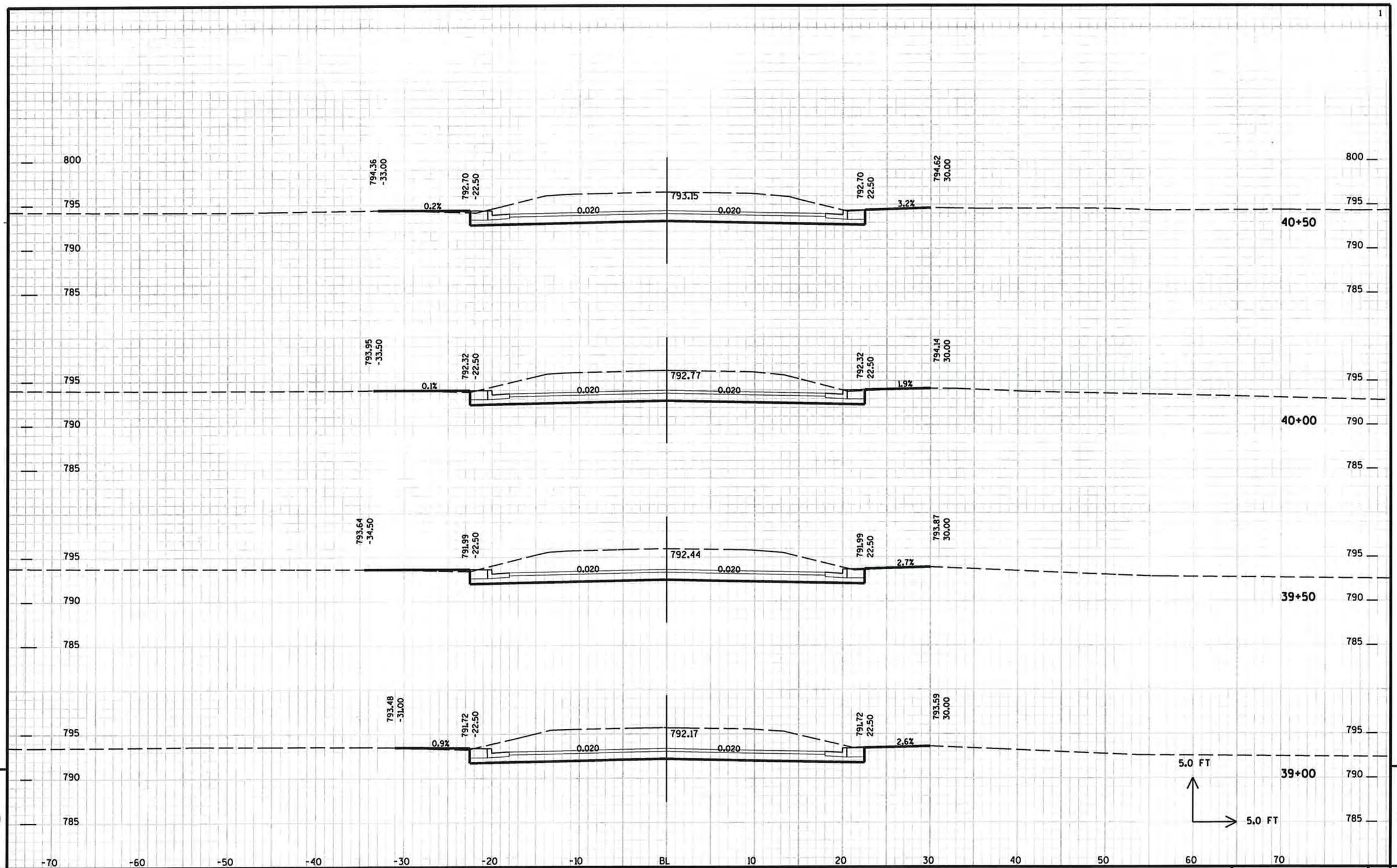
PROJECT NO:	HWY: CTH T	COUNTY: WINNEBAGO	CROSS SECTIONS - CTH T	SHEET E

i:\410452\dgn\section 01 dgn\XSEC_CTH_T_URBAN.DGN 4/12/2011 $PLOT NA trans1-21.tbl $USER $SCALE

CADDS SHEET 42



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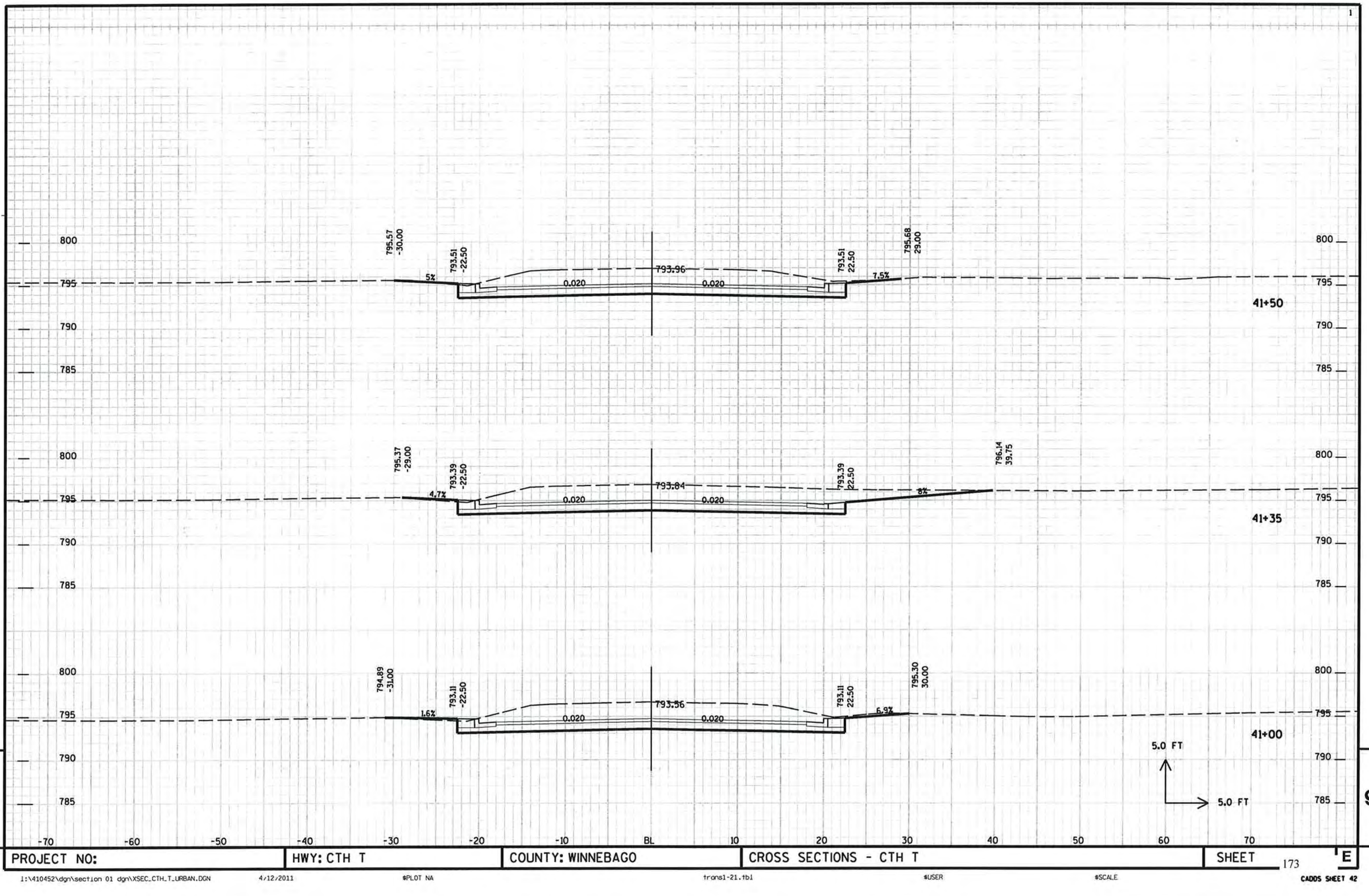
PROJECT NO:	HWY: CTH T	COUNTY: WINNEBAGO	CROSS SECTIONS - CTH T	SHEET 172 E



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PROJECT NO:	HWY: CTH T	COUNTY: WINNEBAGO	CROSS SECTIONS - CTH T	SHEET E

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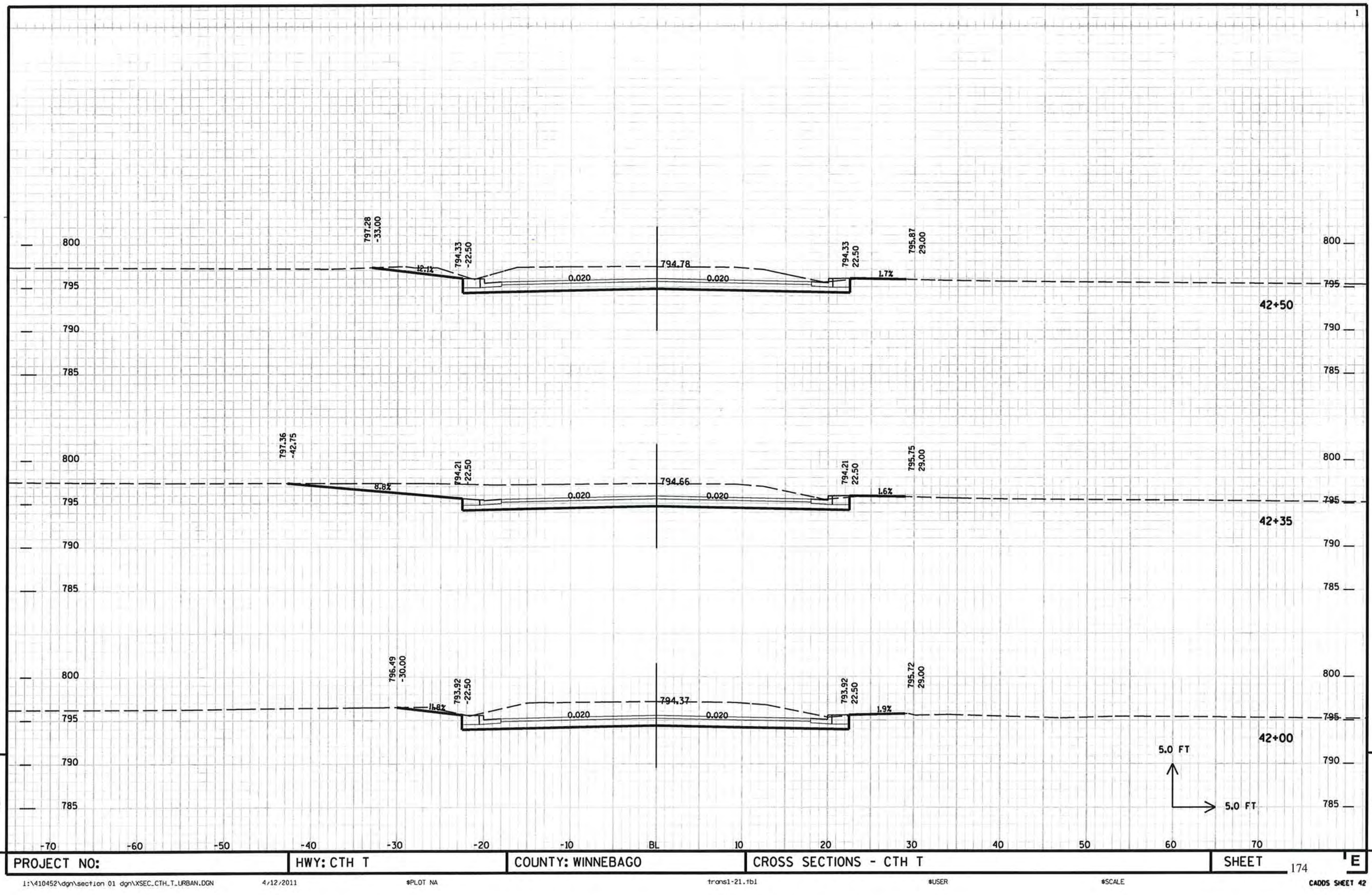

PROJECT NO:	HWY: CTH T	COUNTY: WINNEBAGO	CROSS SECTIONS - CTH T	SHEET

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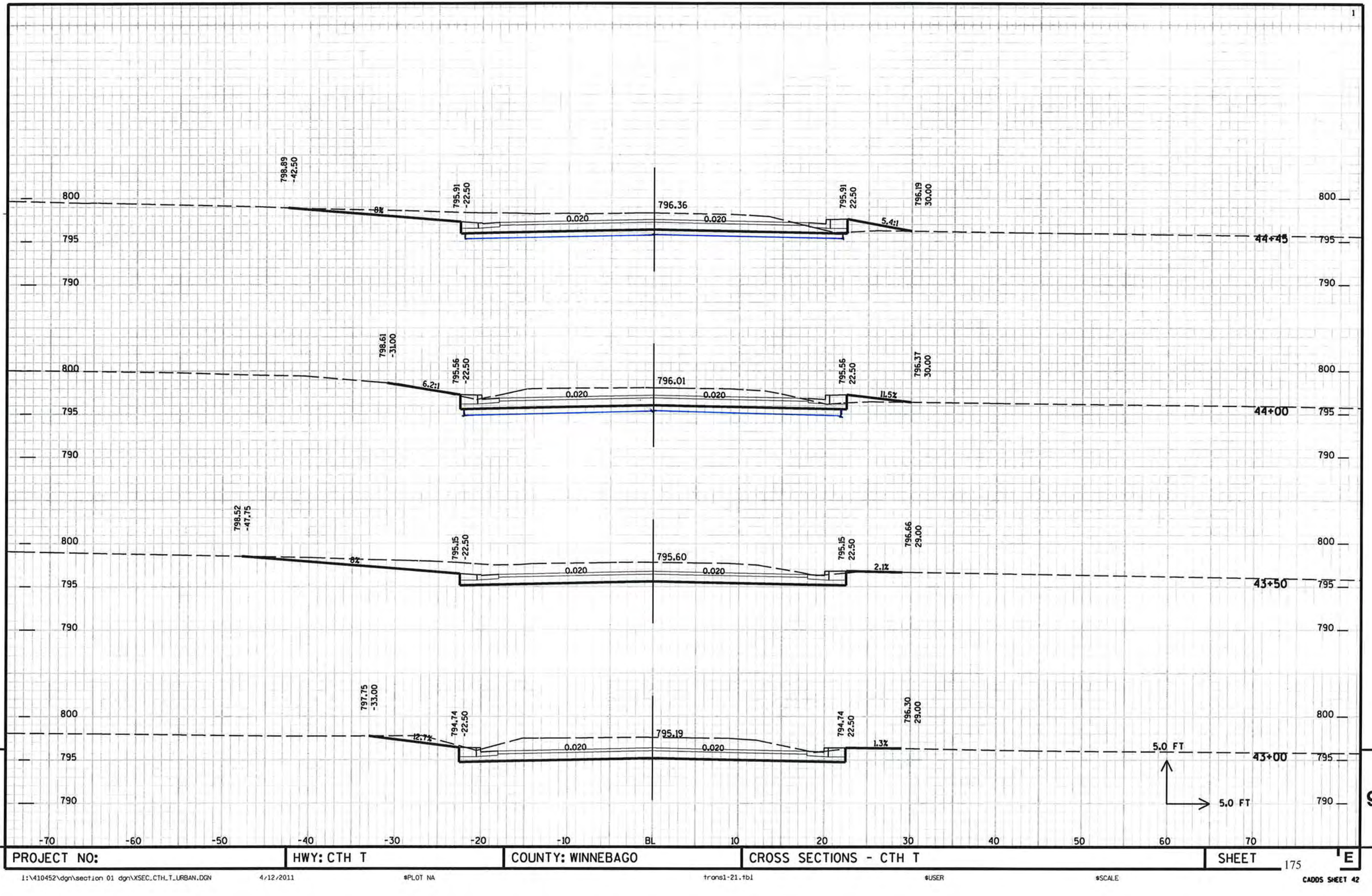

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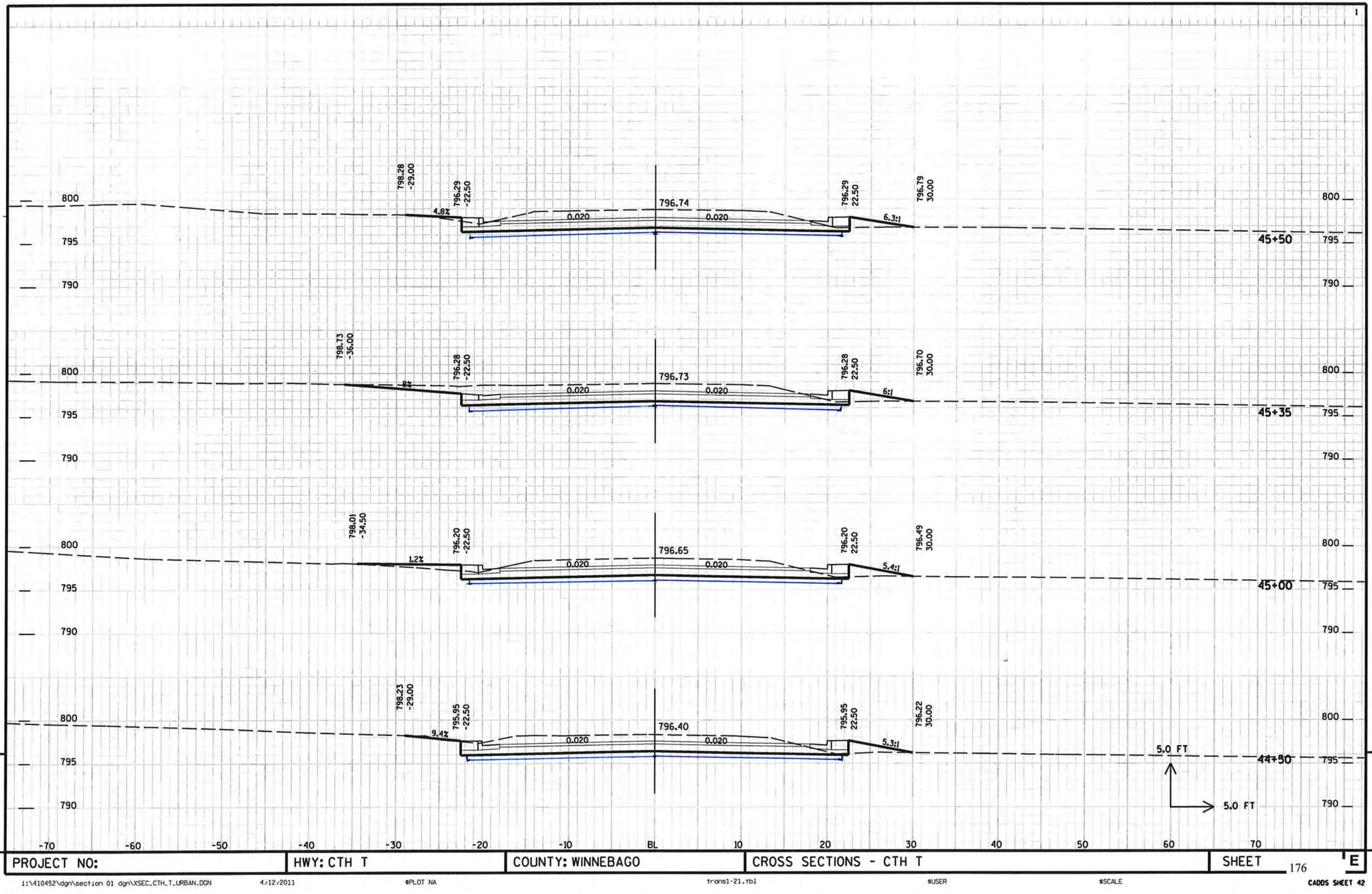
PROJECT NO:	HWY: CTH T	COUNTY: WINNEBAGO	CROSS SECTIONS - CTH T	SHEET 175 E



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PROJECT NO:	HWY: CTH T	COUNTY: WINNEBAGO	CROSS SECTIONS - CTH T	SHEET E

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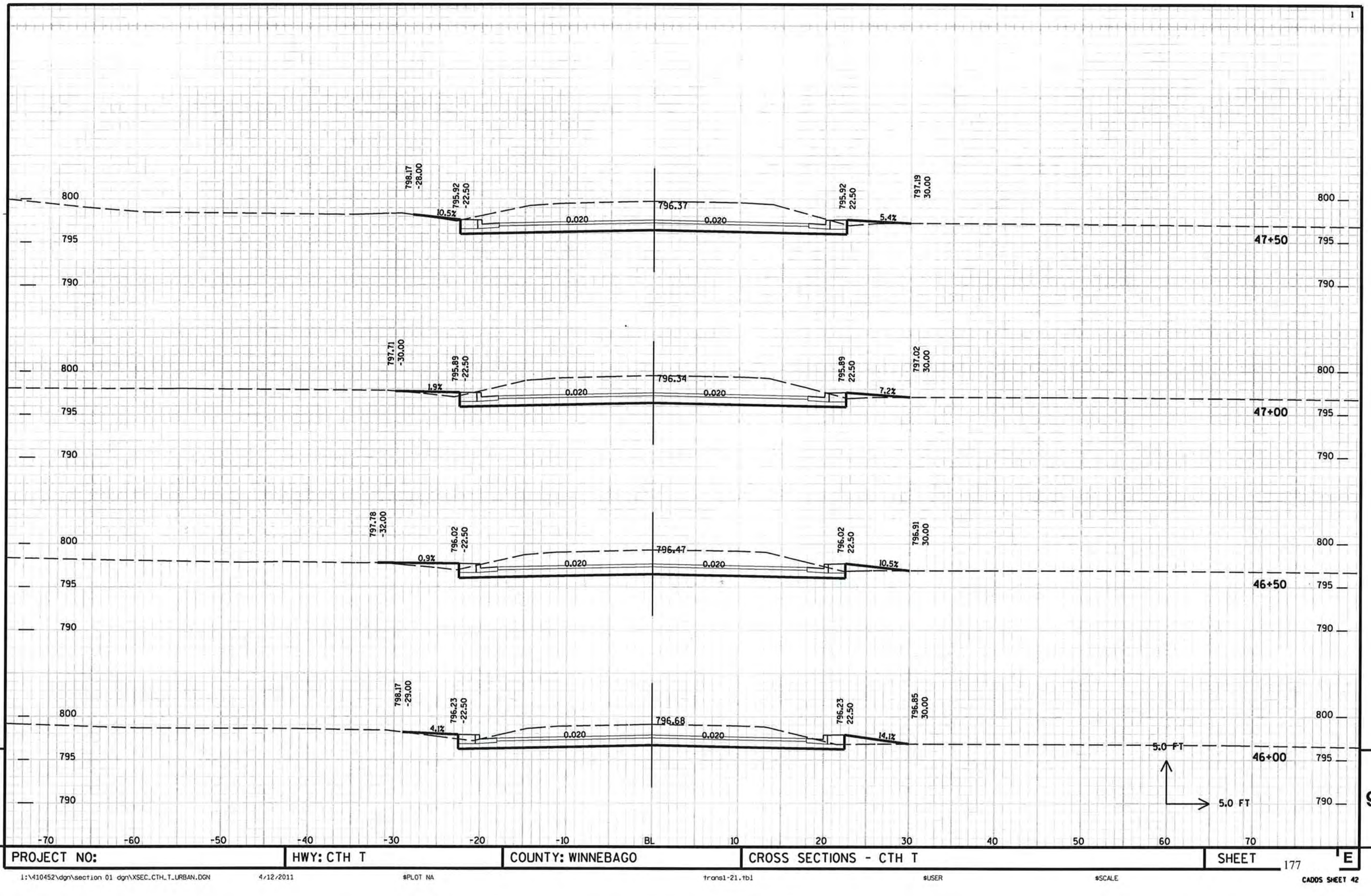

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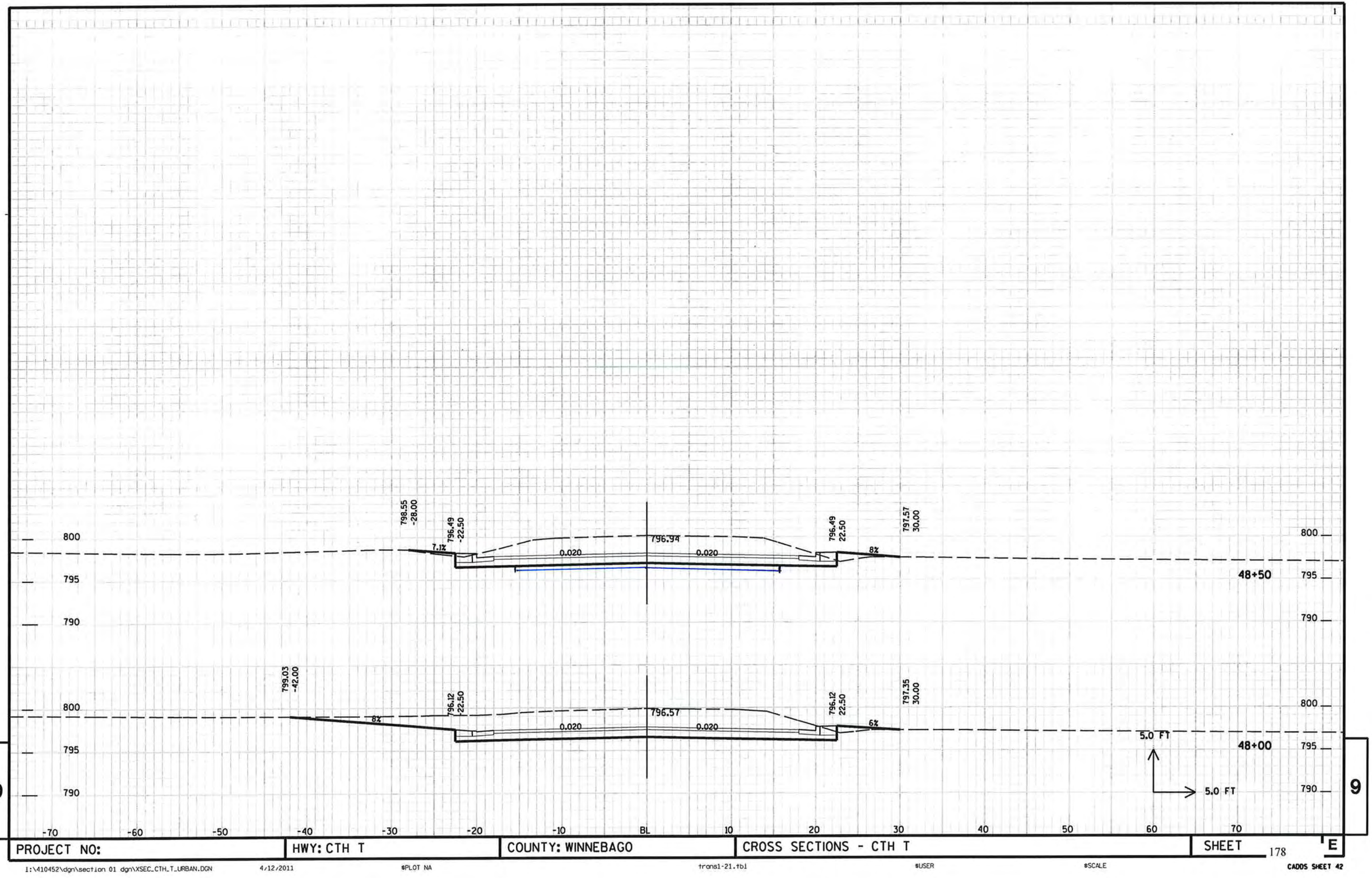
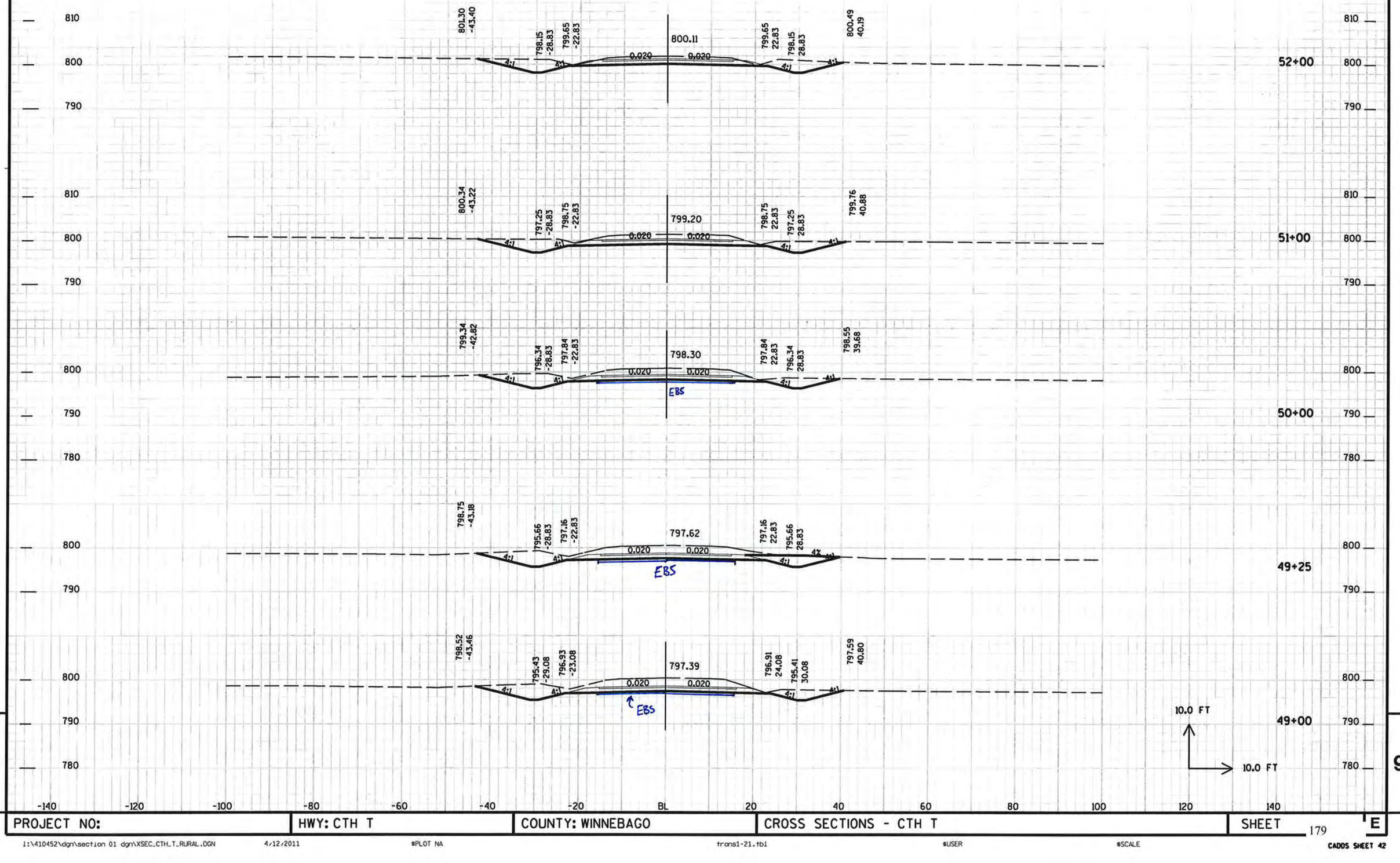
PROJECT NO:	HWY: CTH T	COUNTY: WINNEBAGO	CROSS SECTIONS - CTH T	SHEET 177 E



PROJECT NO:	HWY: CTH T	COUNTY: WINNEBAGO	CROSS SECTIONS - CTH T	SHEET 178 E



PROJECT NO:	HWY: CTH T	COUNTY: WINNEBAGO	CROSS SECTIONS - CTH T	SHEET

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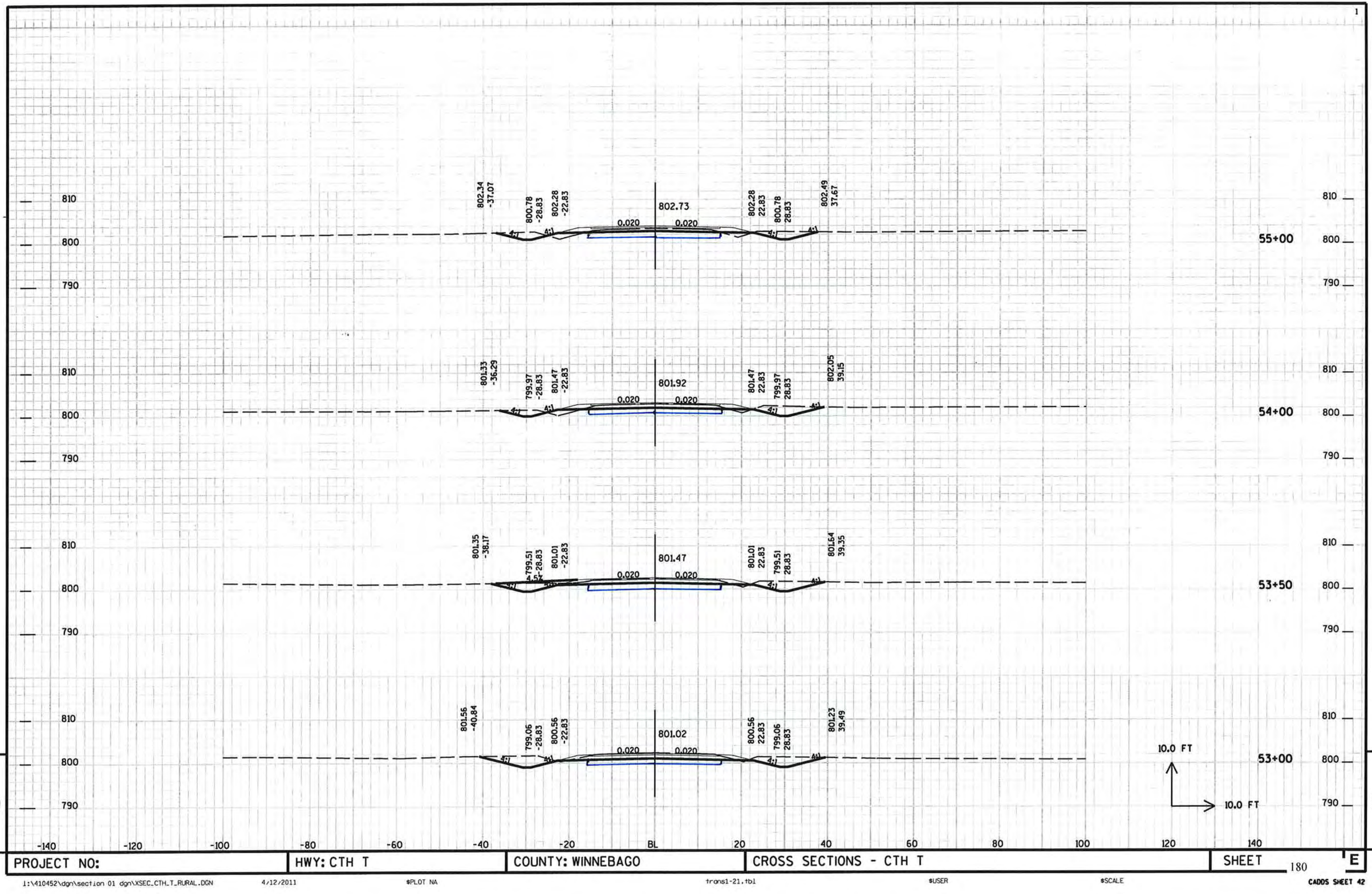
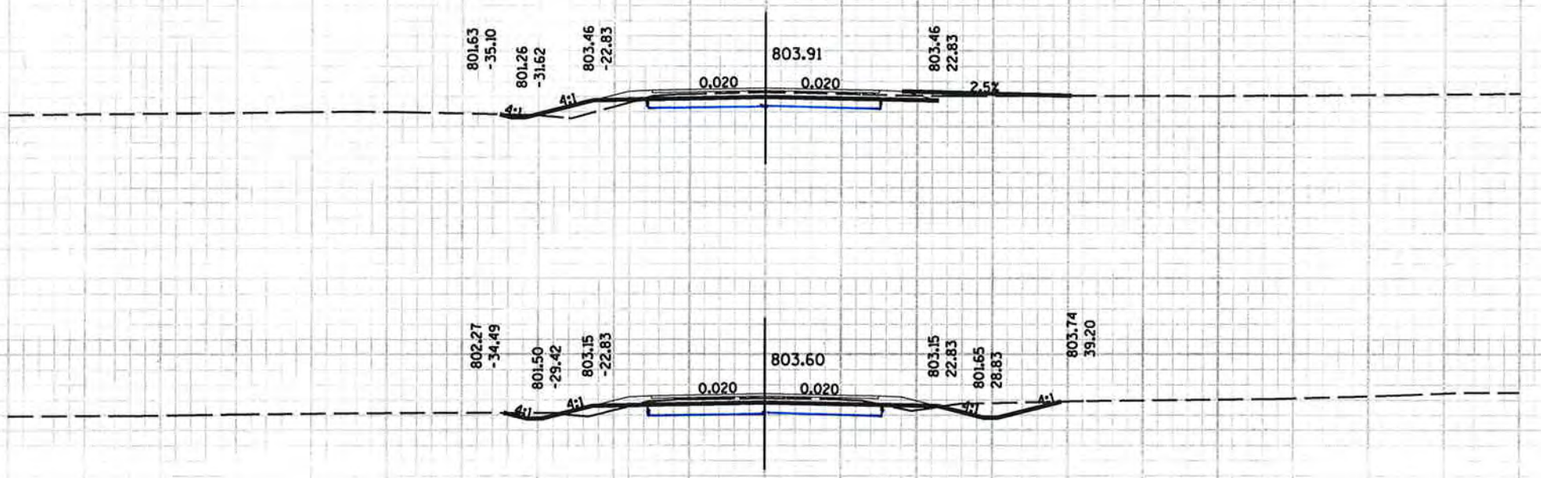
CADDS SHEET 42



PROJECT NO:	HWY: CTH T	COUNTY: WINNEBAGO	CROSS SECTIONS - CTH T	SHEET 180 E



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PROJECT NO:	HWY: CTH T	COUNTY: WINNEBAGO	CROSS SECTIONS - CTH T	SHEET E

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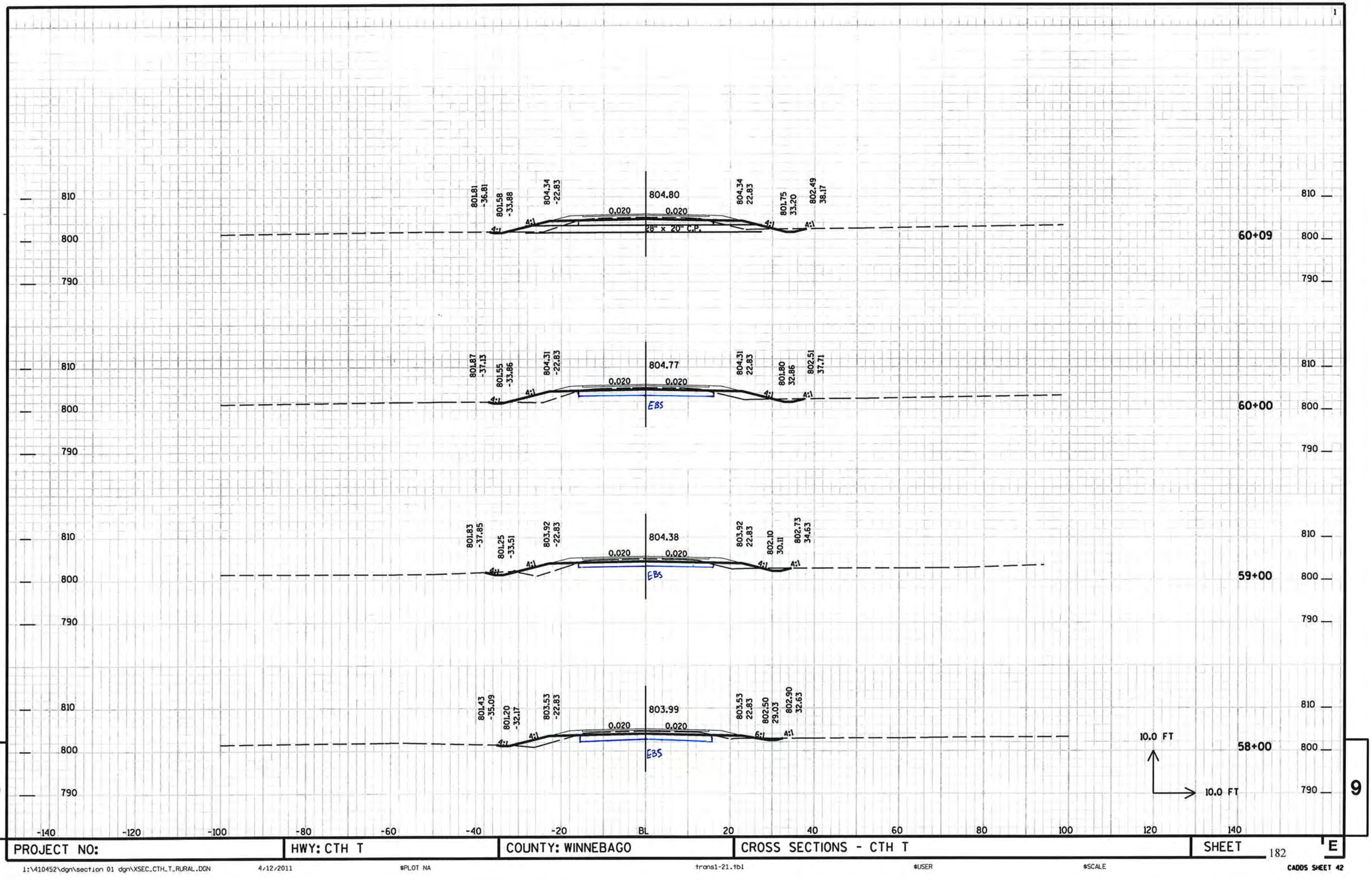
CADDS SHEET 42



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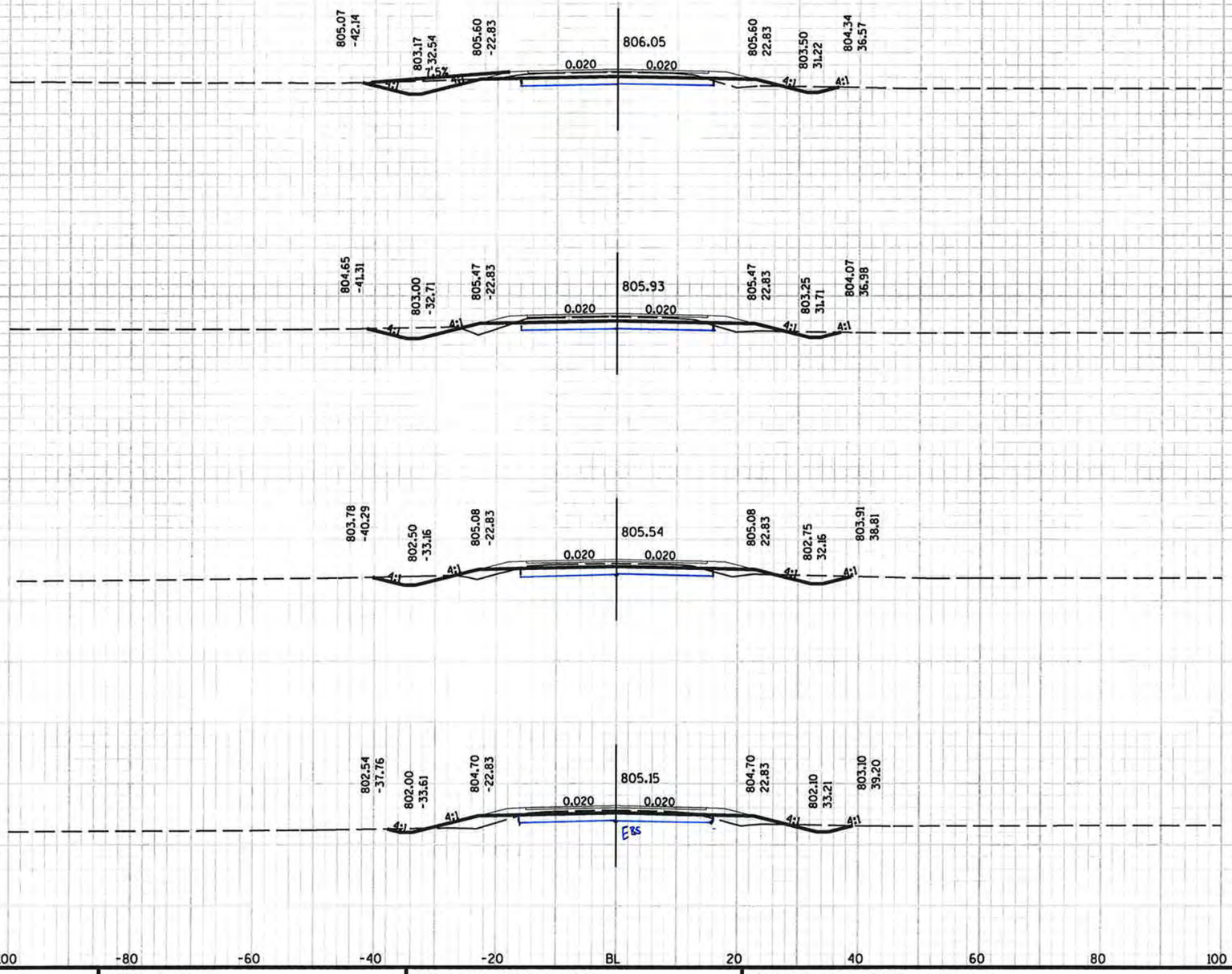
PROJECT NO:	HWY: CTH T	COUNTY: WINNEBAGO	CROSS SECTIONS - CTH T	SHEET 182 E

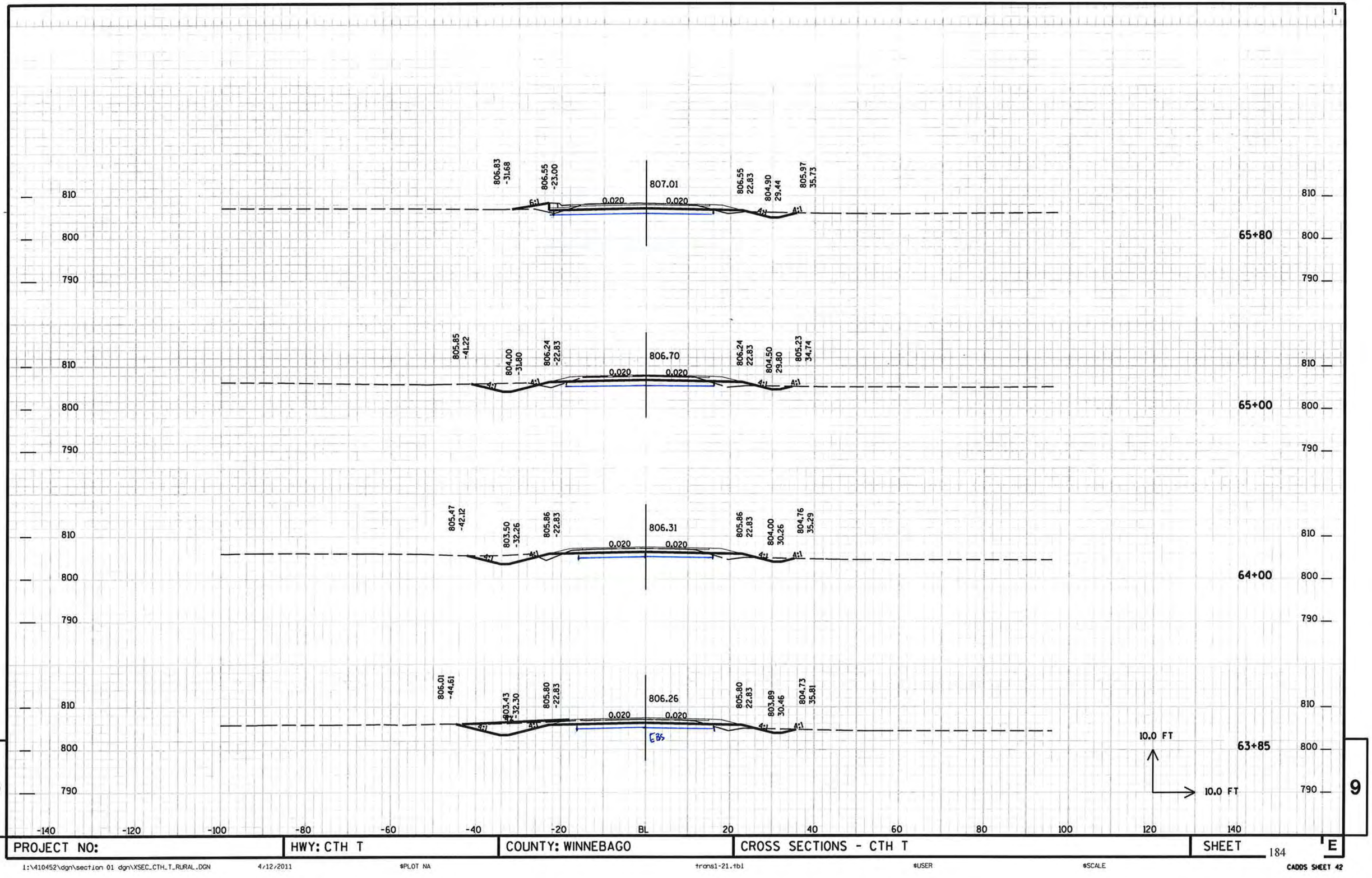


PROJECT NO:	HWY: CTH T	COUNTY: WINNEBAGO	CROSS SECTIONS - CTH T	SHEET

E

1:\410452\dgn\section 01 dgn\XSEC_CTH_T_RURAL.DGN 4/12/2011 $PLOT NA trans1-21.tbl $USER $SCALE

CADDS SHEET 42



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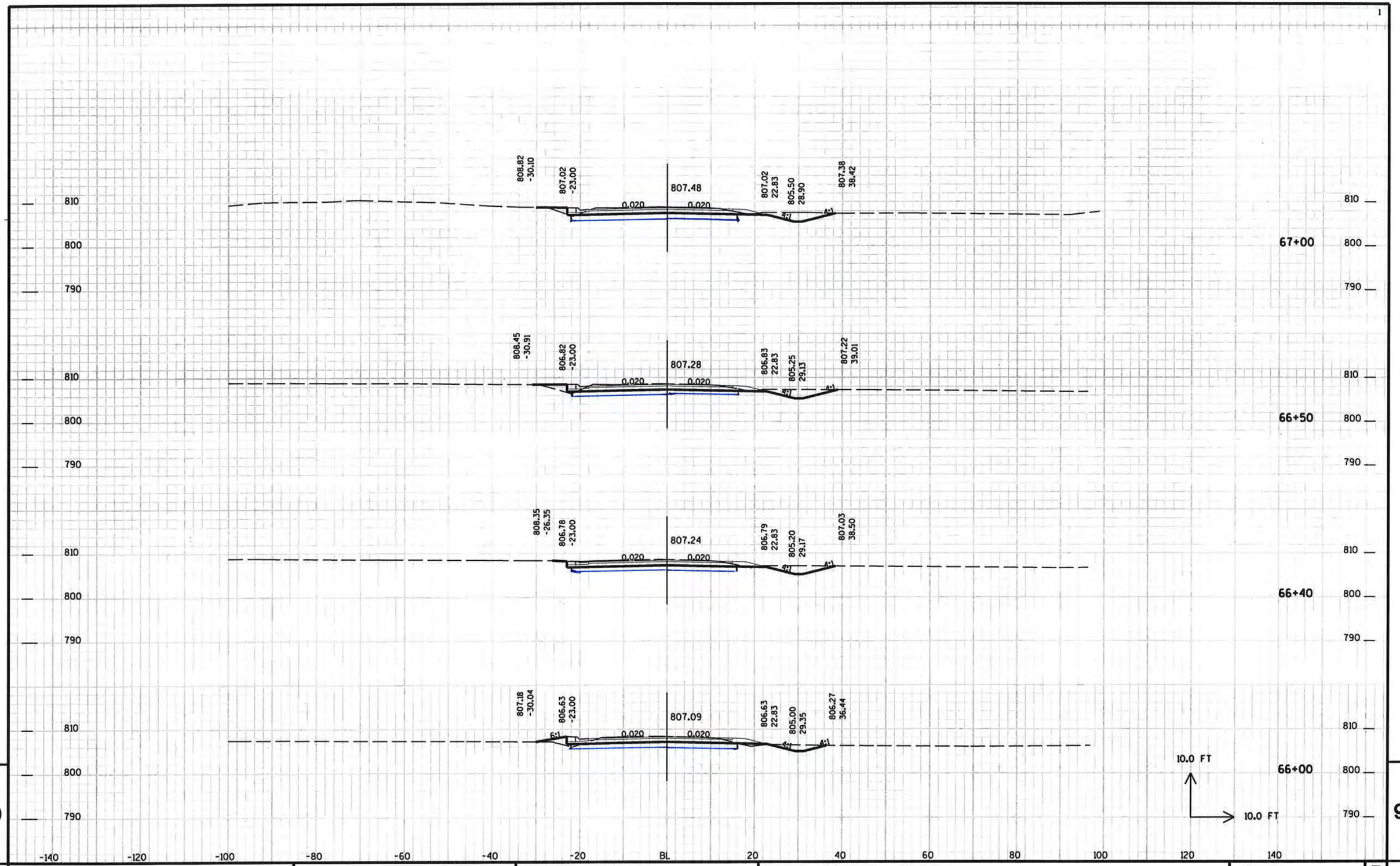
PROJECT NO:	HWY: CTH T	COUNTY: WINNEBAGO	CROSS SECTIONS - CTH T	SHEET 184 E



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PROJECT NO:	HWY: CTH T	COUNTY: WINNEBAGO	CROSS SECTIONS - CTH T	SHEET E

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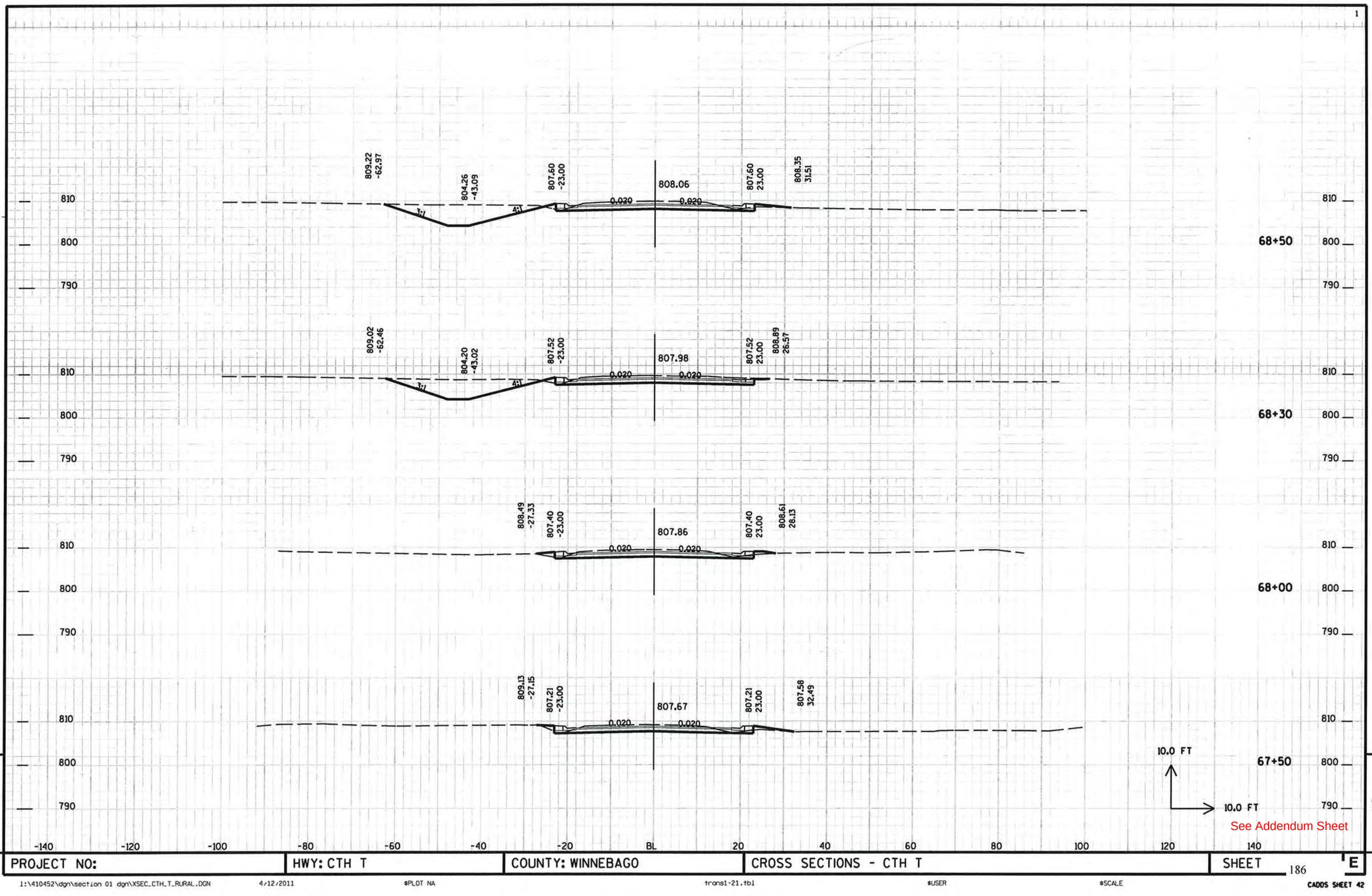
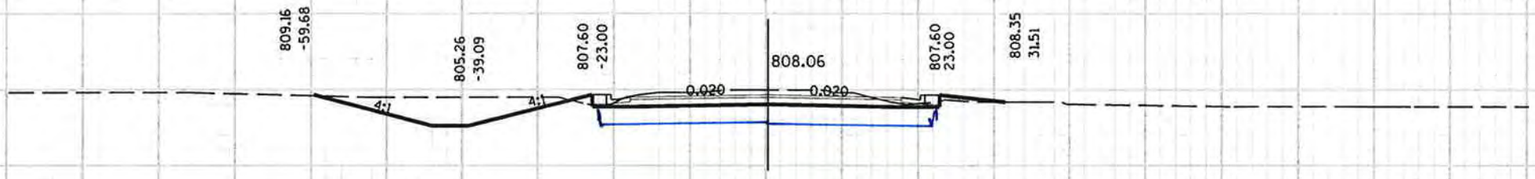


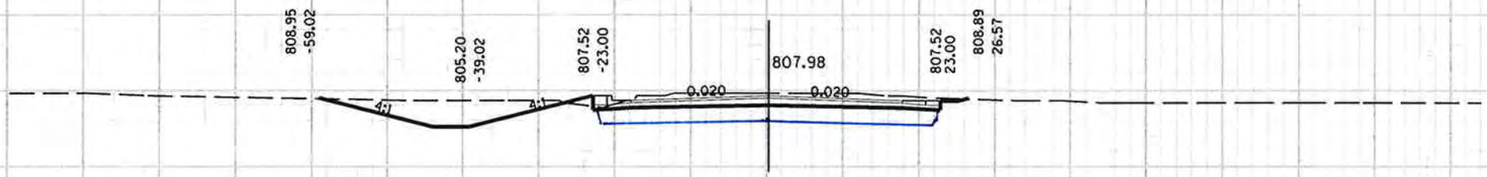
See Addendum Sheet

PROJECT NO:	HWY: CTH T	COUNTY: WINNEBAGO	CROSS SECTIONS - CTH T	SHEET E

I:\410452\dgn\section 01 dgn\XSEC_CTH_T_RURAL.DGN 4/12/2011 $PLOT NA transl-21.tbl $USER $SCALE CADDS SHEET 42



68+50



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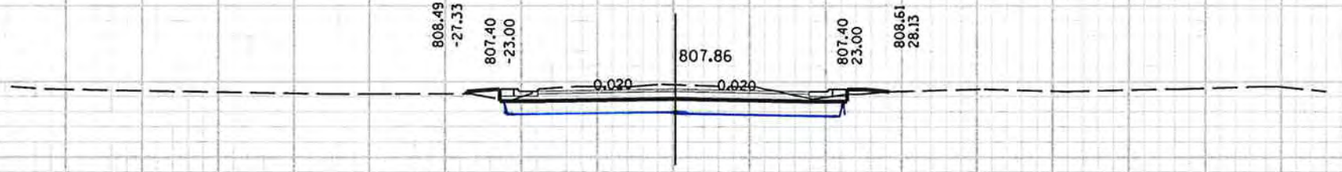

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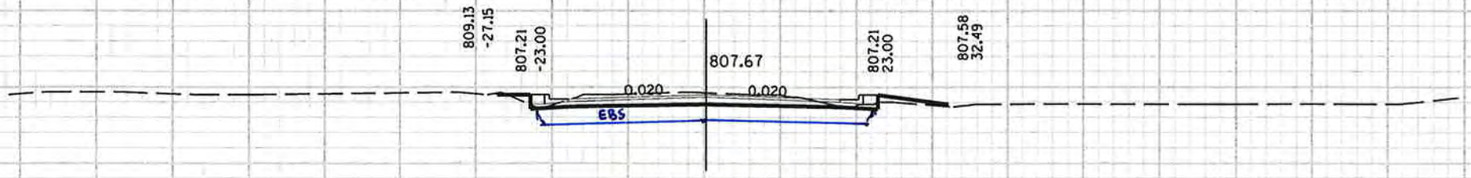


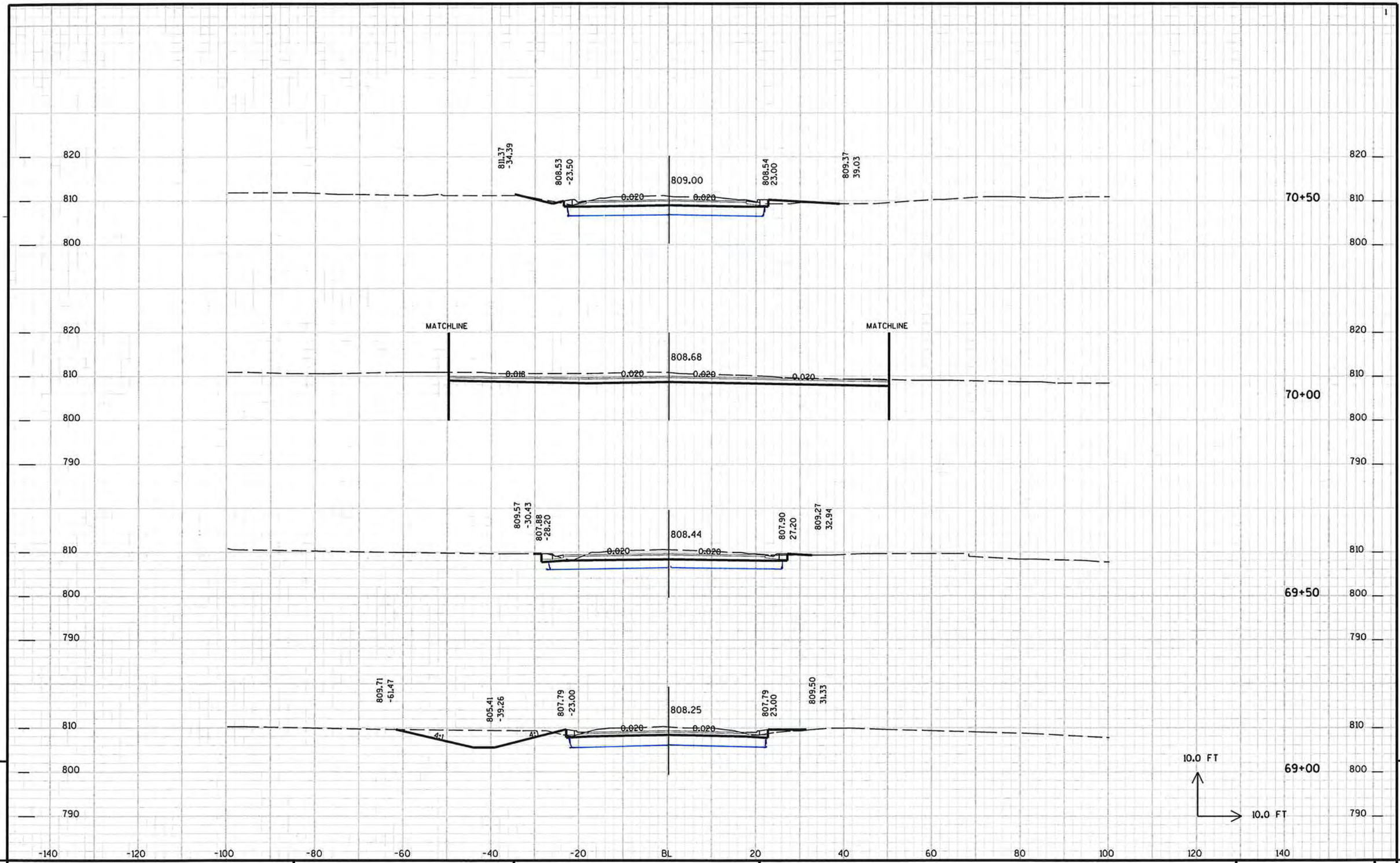
67+50

10.0 FT
10.0 FT

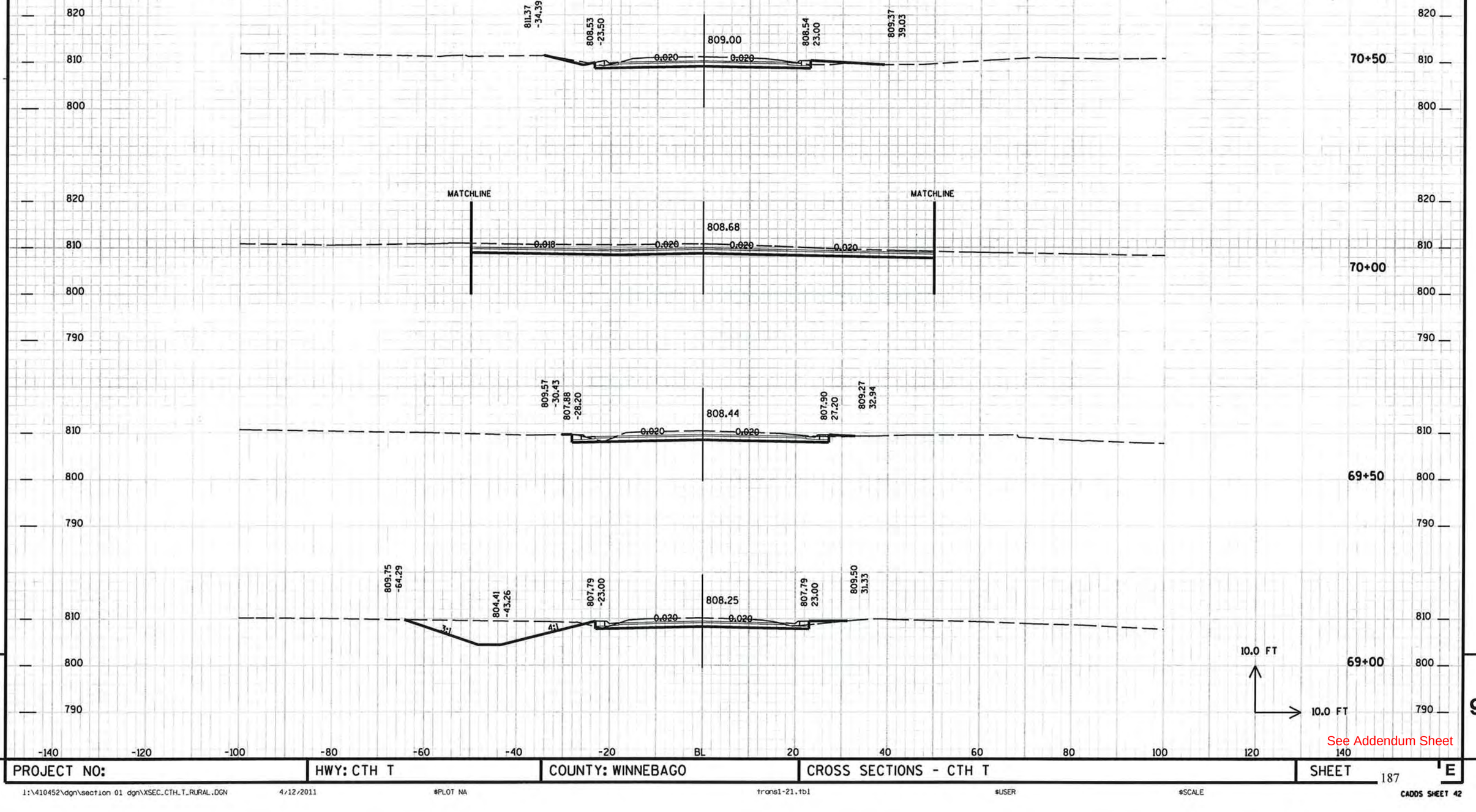
-140 -120 -100 -80 -60 -40 -20 BL 20 40 60 80 100 120 140

9

PROJECT NO:	HWY: CTH T	COUNTY: WINNEBAGO	CROSS SECTIONS - CTH T	SHEET	E

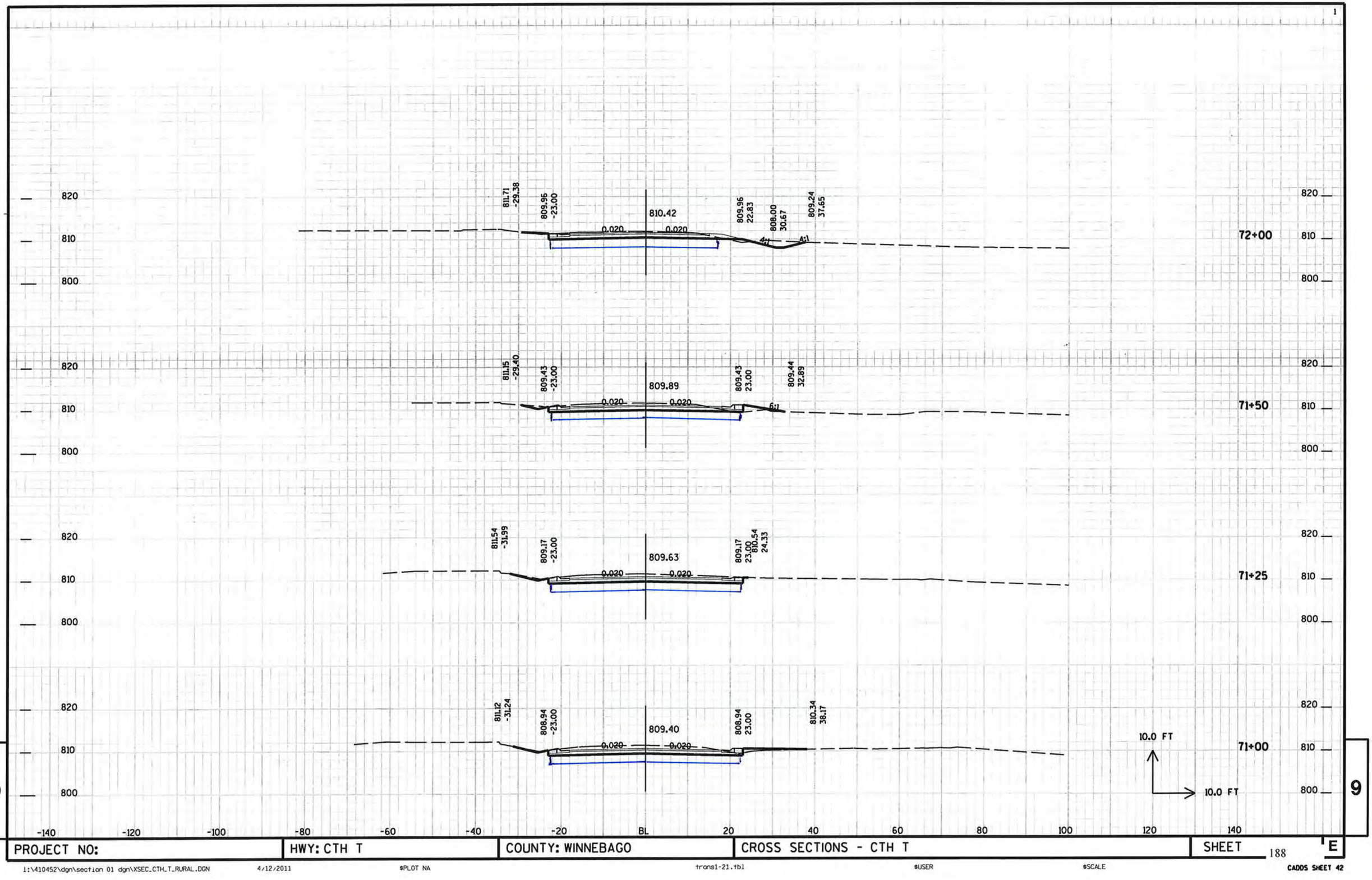


PROJECT NO:	HWY: CTH T	COUNTY: WINNEBAGO	CROSS SECTIONS - CTH T	SHEET	E



See Addendum Sheet

PROJECT NO:	HWY: CTH T	COUNTY: WINNEBAGO	CROSS SECTIONS - CTH T	SHEET 187 E



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9

PROJECT NO:	HWY: CTH T	COUNTY: WINNEBAGO	CROSS SECTIONS - CTH T	SHEET E

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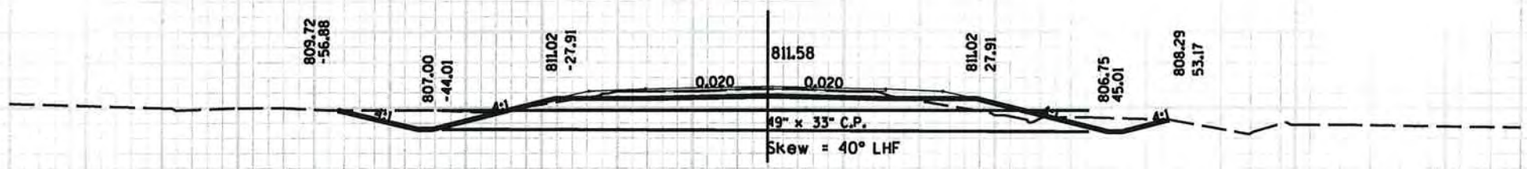
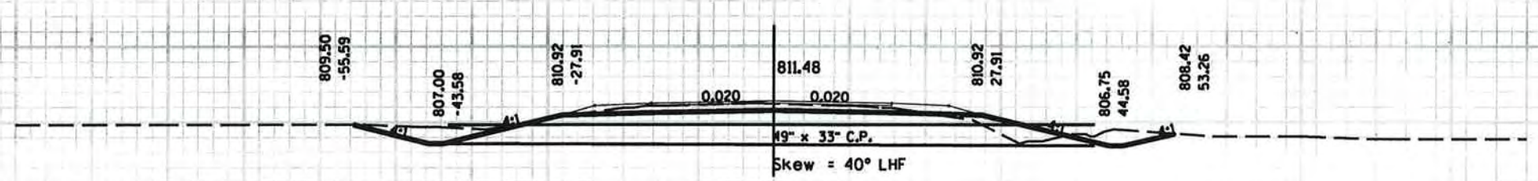
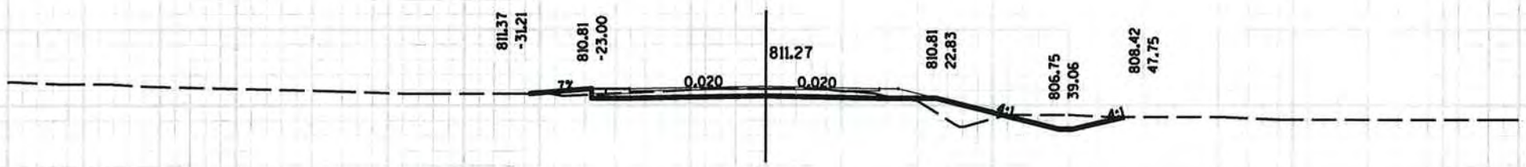


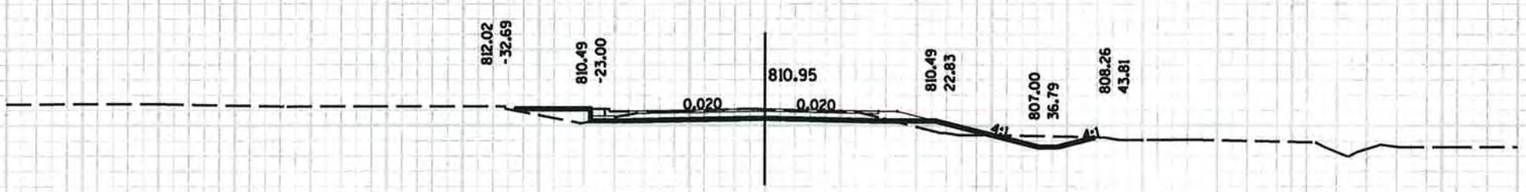
73+10



73+00



72+80



72+50

10.0 FT

10.0 FT

-140 -120 -100 -80 -60 -40 -20 BL 20 40 60 80 100 120 140

9

9

PROJECT NO: 41-0452.00	HWY: CTH T	COUNTY: WINNEBAGO	CROSS SECTIONS - CTH T	SHEET E

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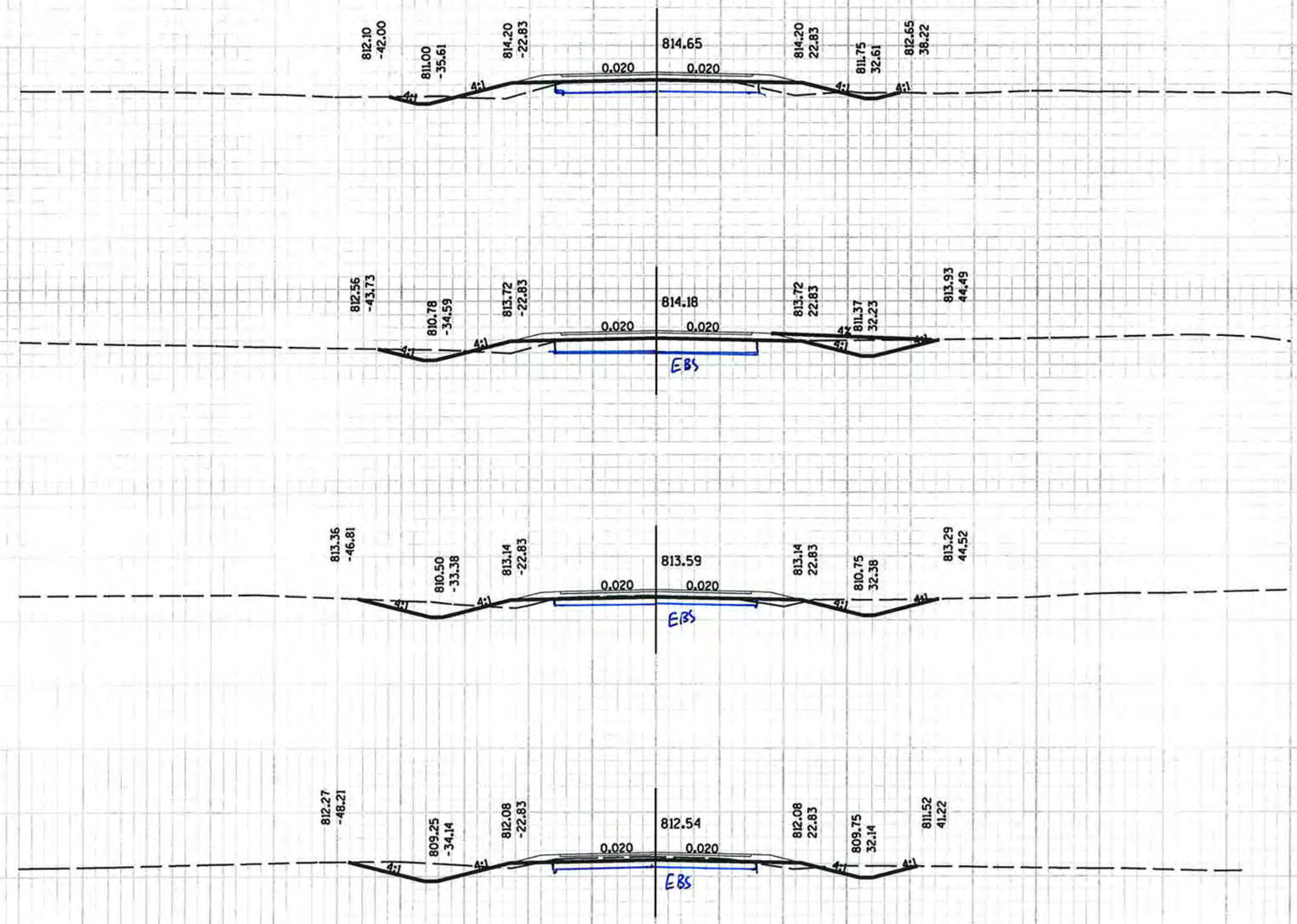

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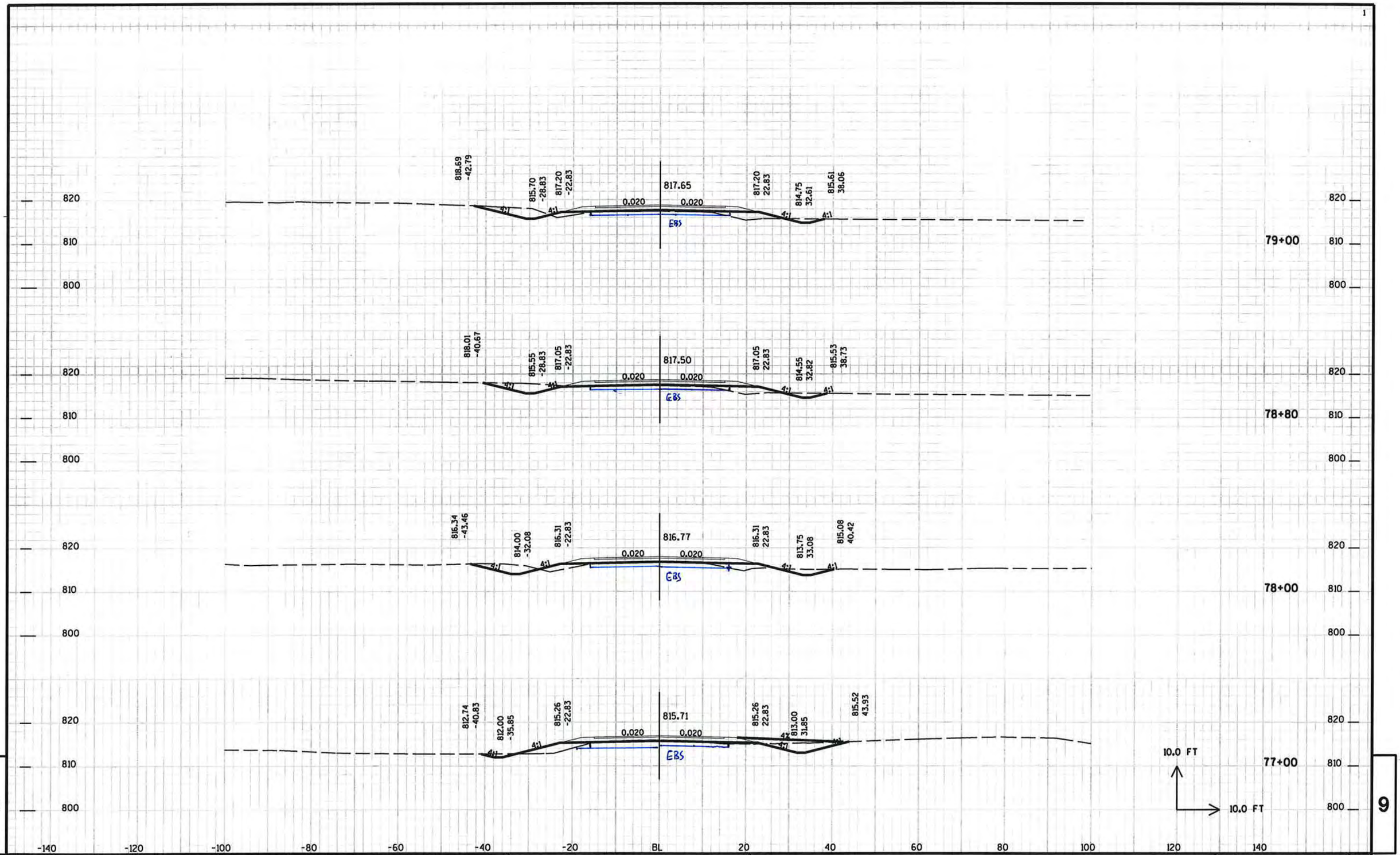
PROJECT NO:	HWY: CTH T	COUNTY: WINNEBAGO	CROSS SECTIONS - CTH T	SHEET 190 E



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9

PROJECT NO:	HWY: CTH T	COUNTY: WINNEBAGO	CROSS SECTIONS - CTH T	SHEET E

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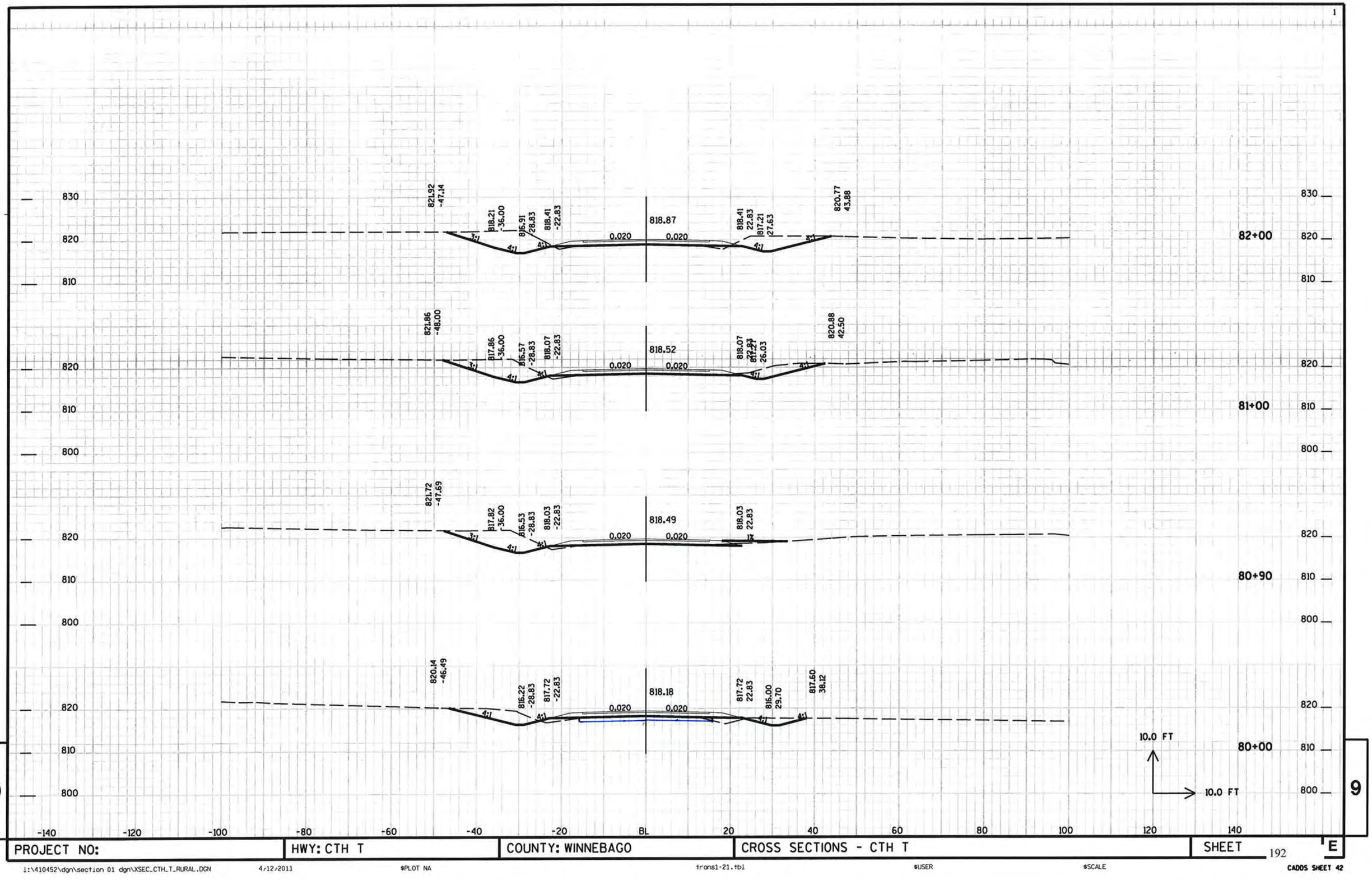

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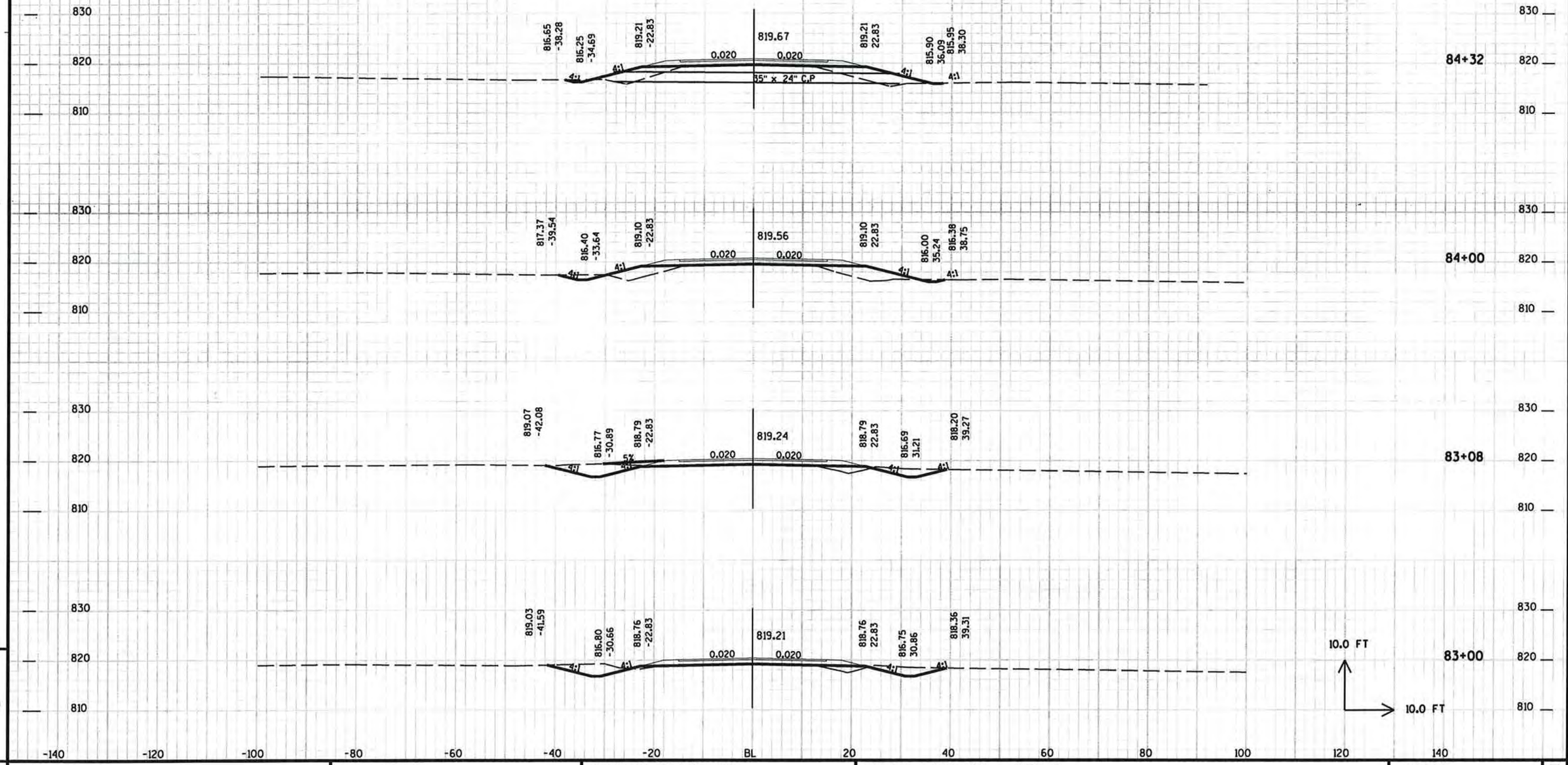
PROJECT NO:	HWY: CTH T	COUNTY: WINNEBAGO	CROSS SECTIONS - CTH T	SHEET 192 E



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PROJECT NO:	HWY: CTH T	COUNTY: WINNEBAGO	CROSS SECTIONS - CTH T	SHEET E

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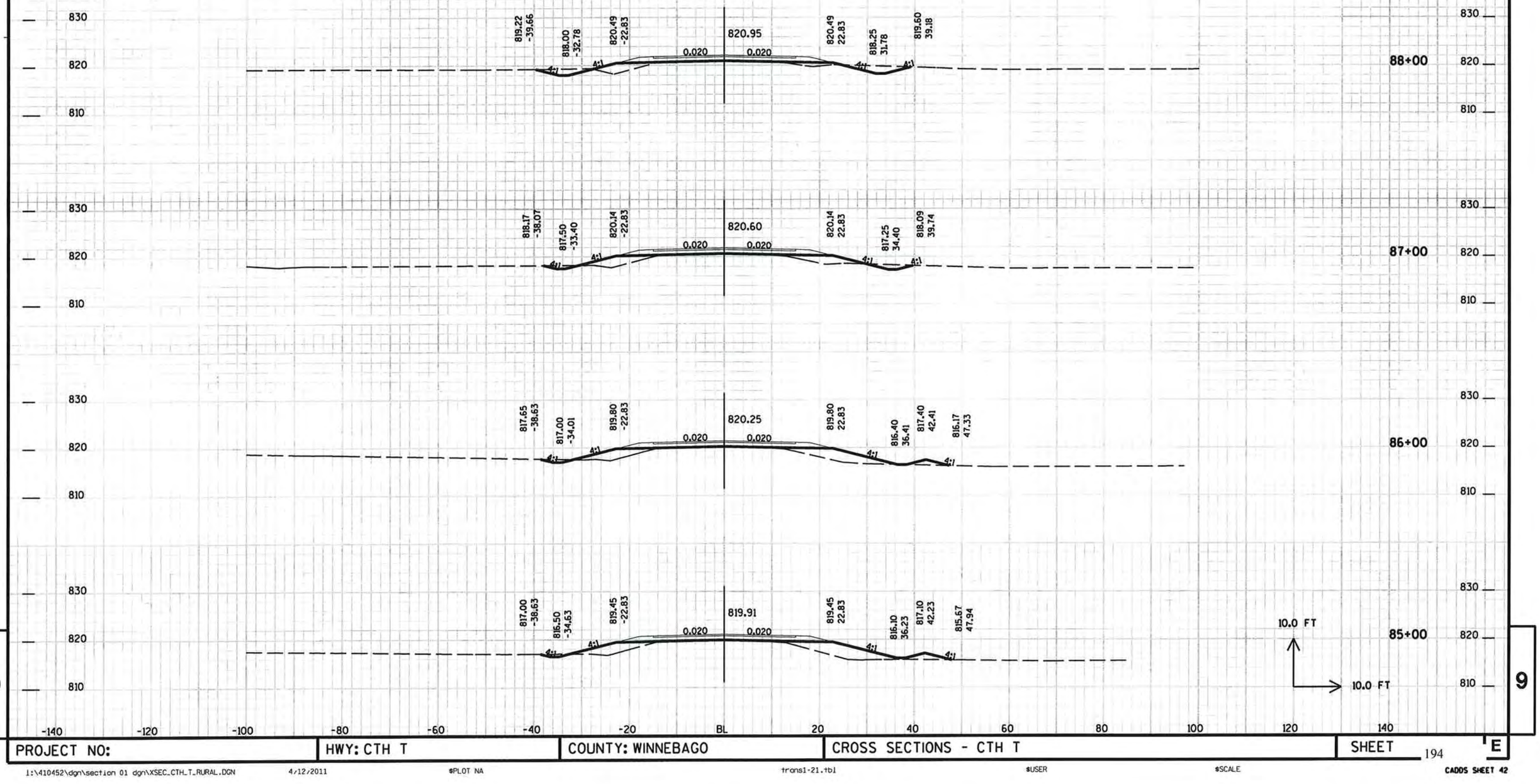

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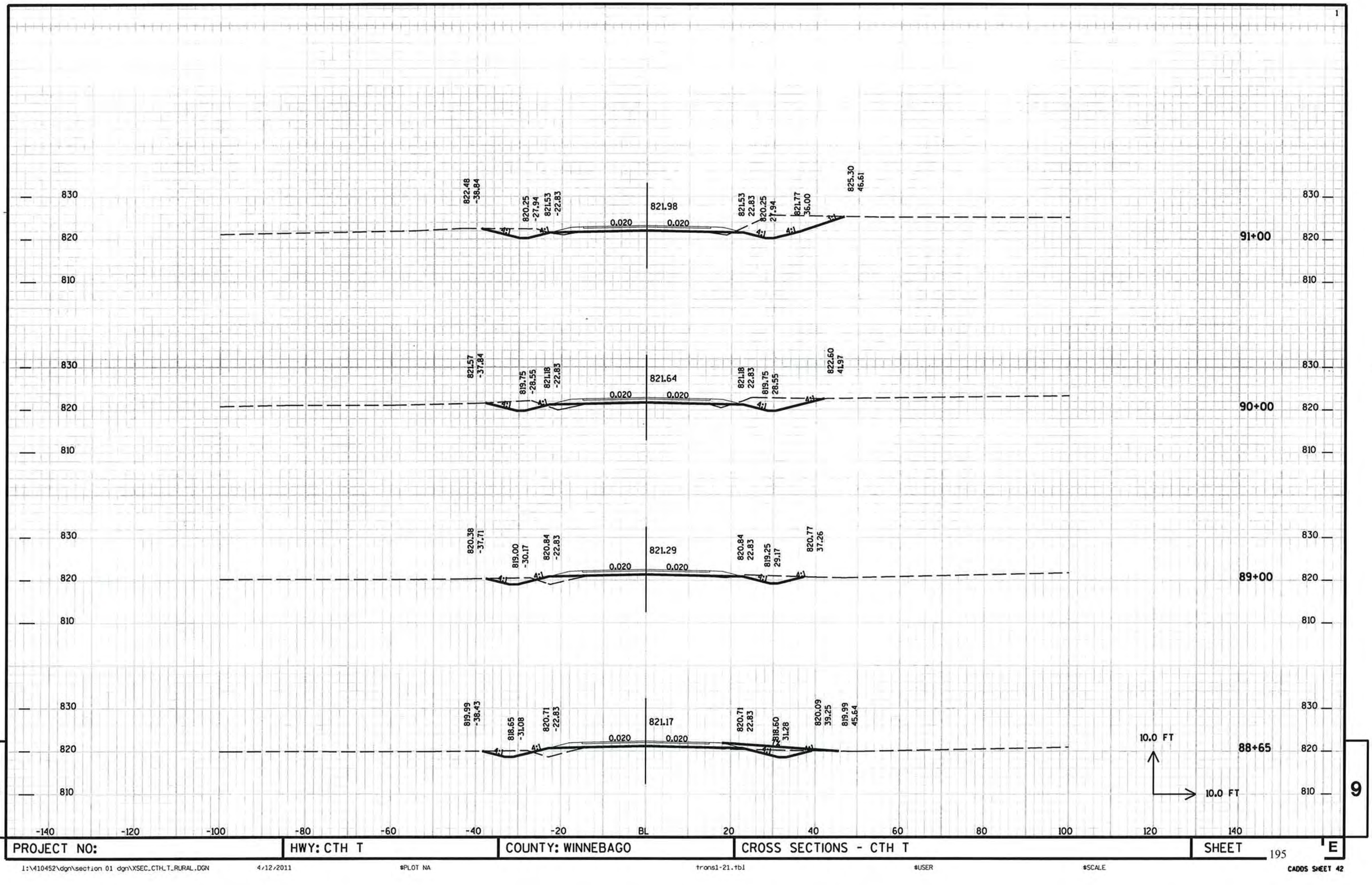
PROJECT NO:	HWY: CTH T	COUNTY: WINNEBAGO	CROSS SECTIONS - CTH T	SHEET 194 E



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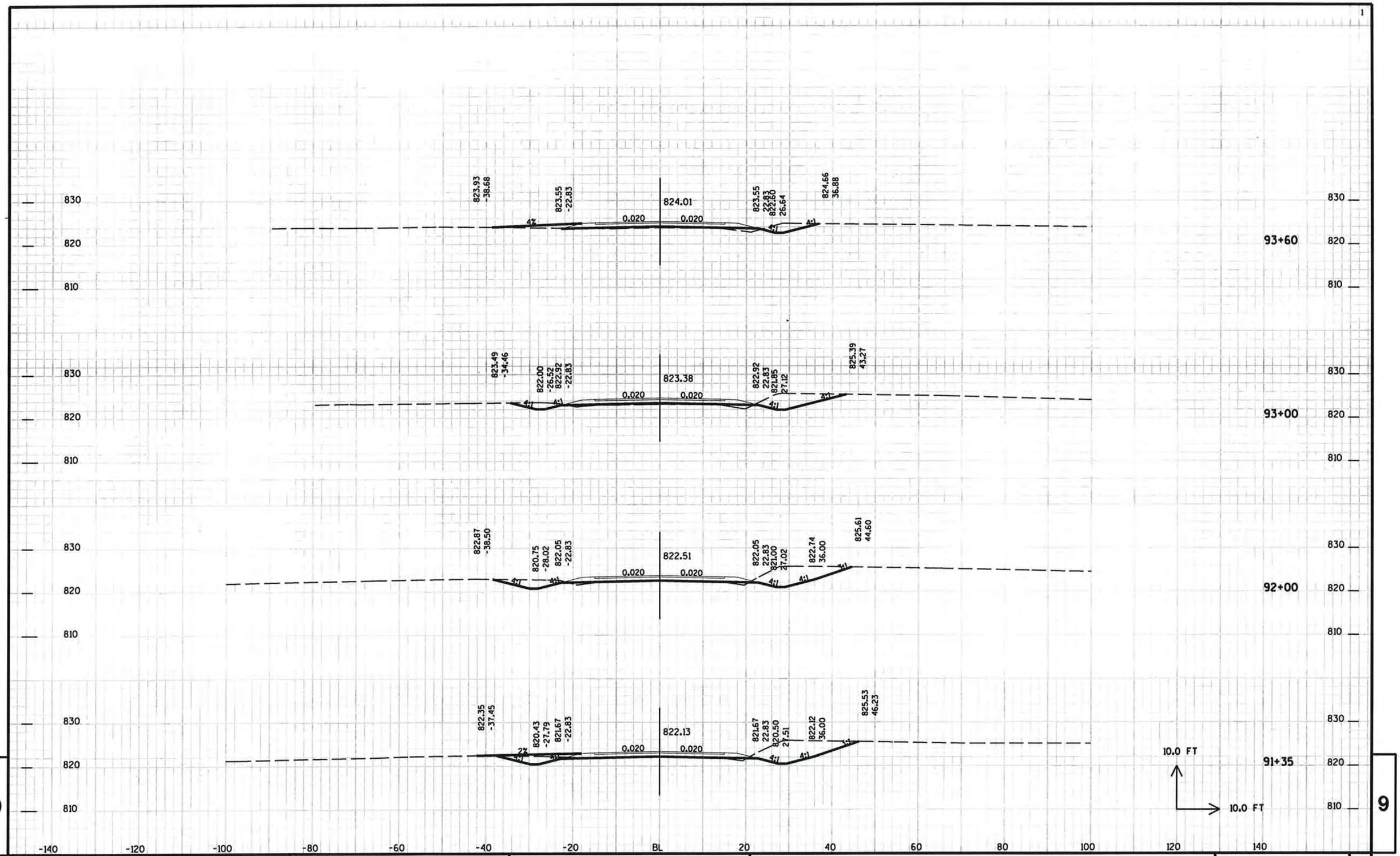
PROJECT NO:	HWY: CTH T	COUNTY: WINNEBAGO	CROSS SECTIONS - CTH T	SHEET 195 E



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PROJECT NO:	HWY: CTH T	COUNTY: WINNEBAGO	CROSS SECTIONS - CTH T	SHEET 196 E

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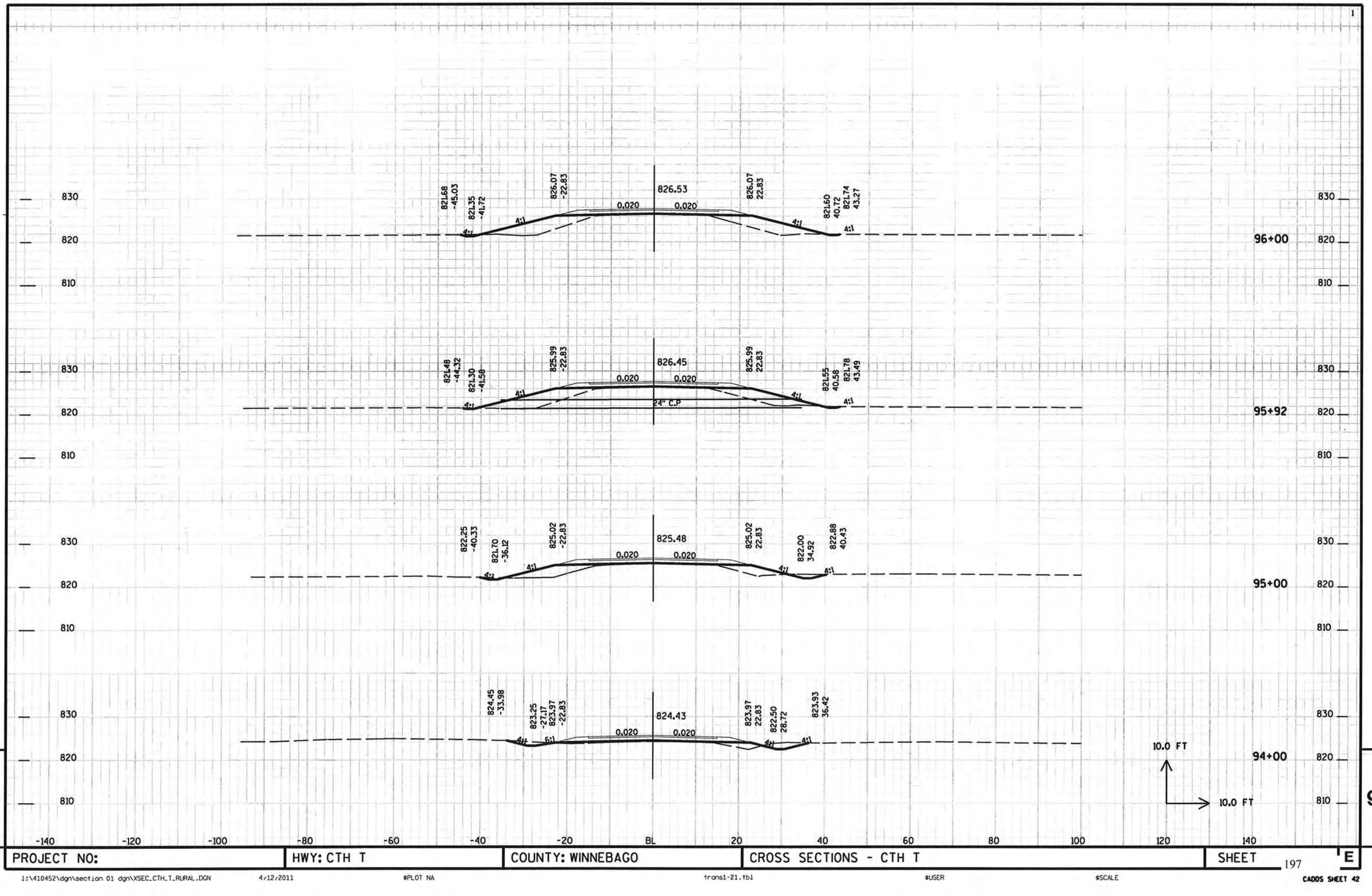

PROJECT NO:	HWY: CTH T	COUNTY: WINNEBAGO	CROSS SECTIONS - CTH T	SHEET E

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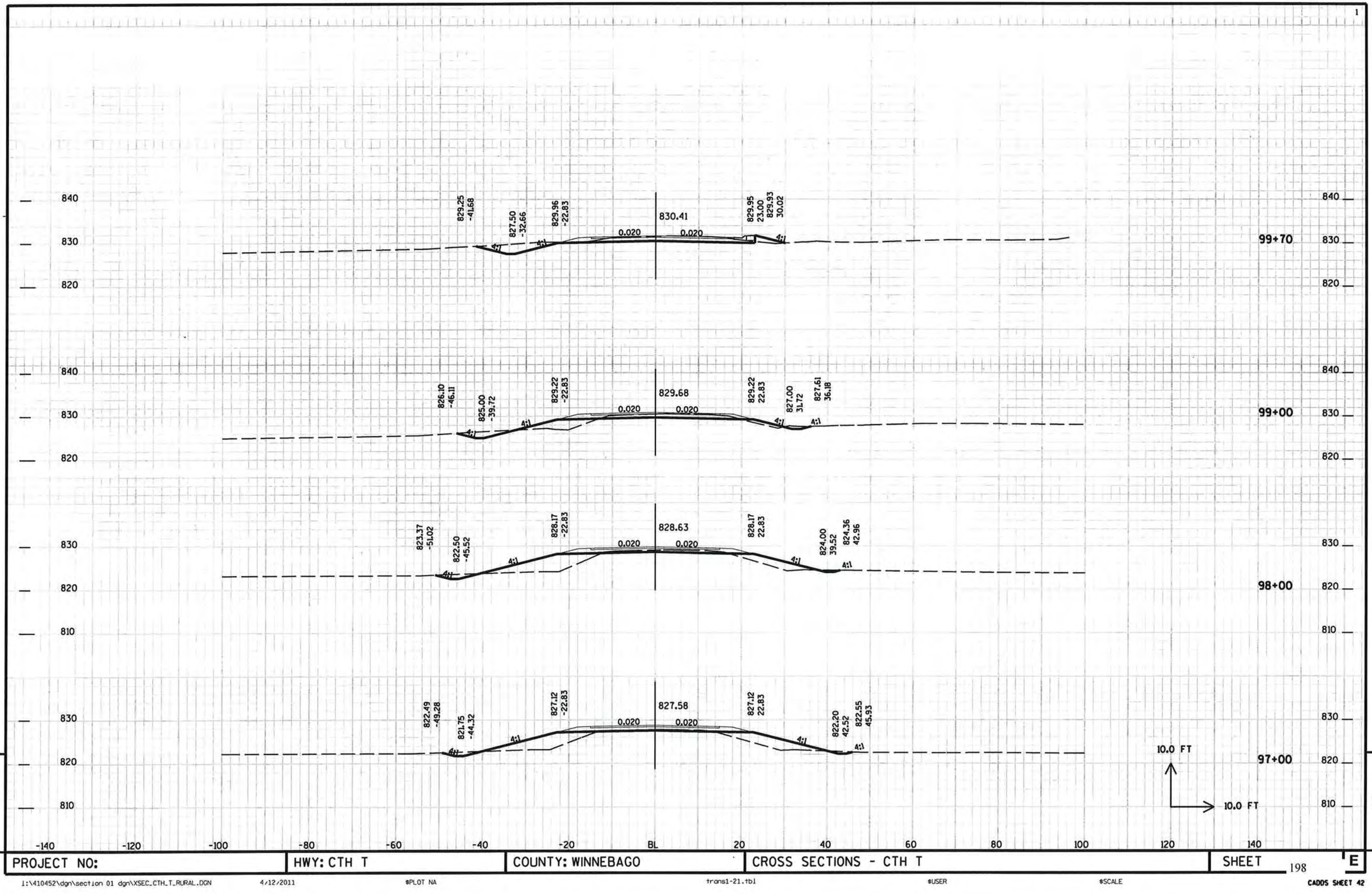

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PROJECT NO:	HWY: CTH T	COUNTY: WINNEBAGO	CROSS SECTIONS - CTH T	SHEET 198 E

9

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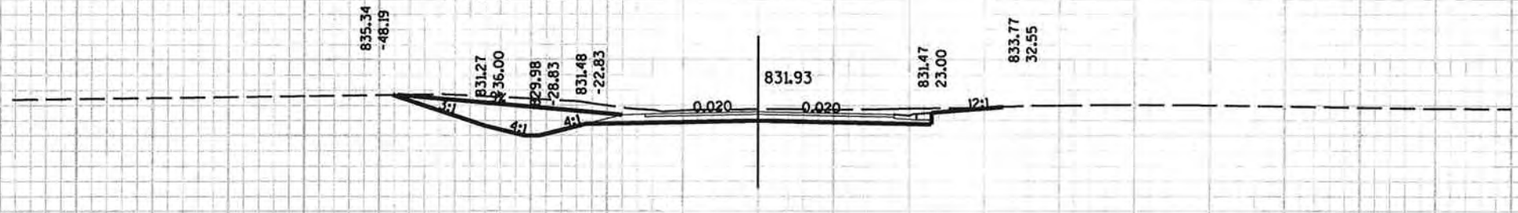

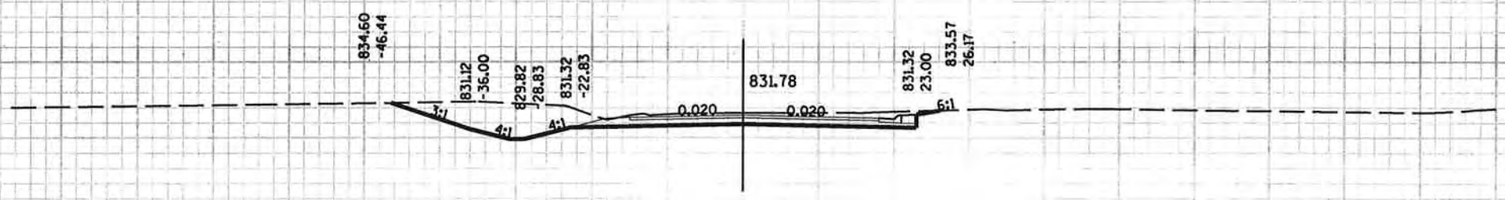

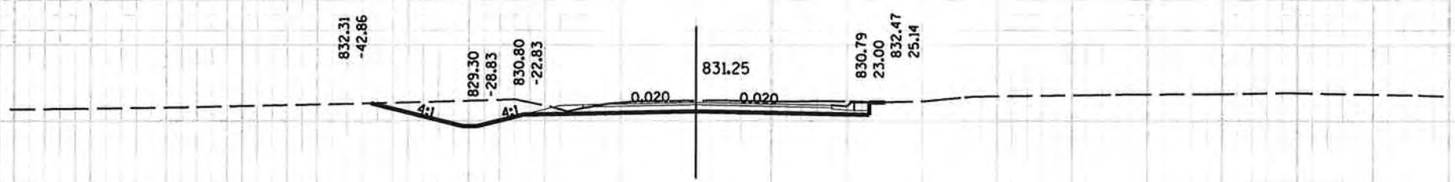

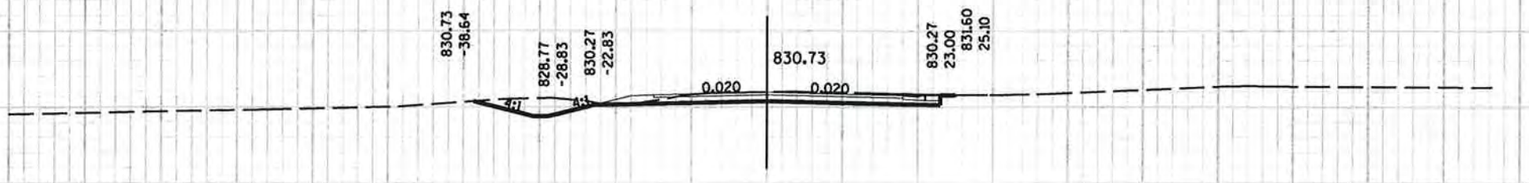

840
830
820

101+15
101+00
100+50
100+00

-140 -120 -100 -80 -60 -40 -20 BL 20 40 60 80 100 120 140

10.0 FT
10.0 FT

9

PROJECT NO:	HWY: CTH T	COUNTY: WINNEBAGO	CROSS SECTIONS - CTH T	SHEET E

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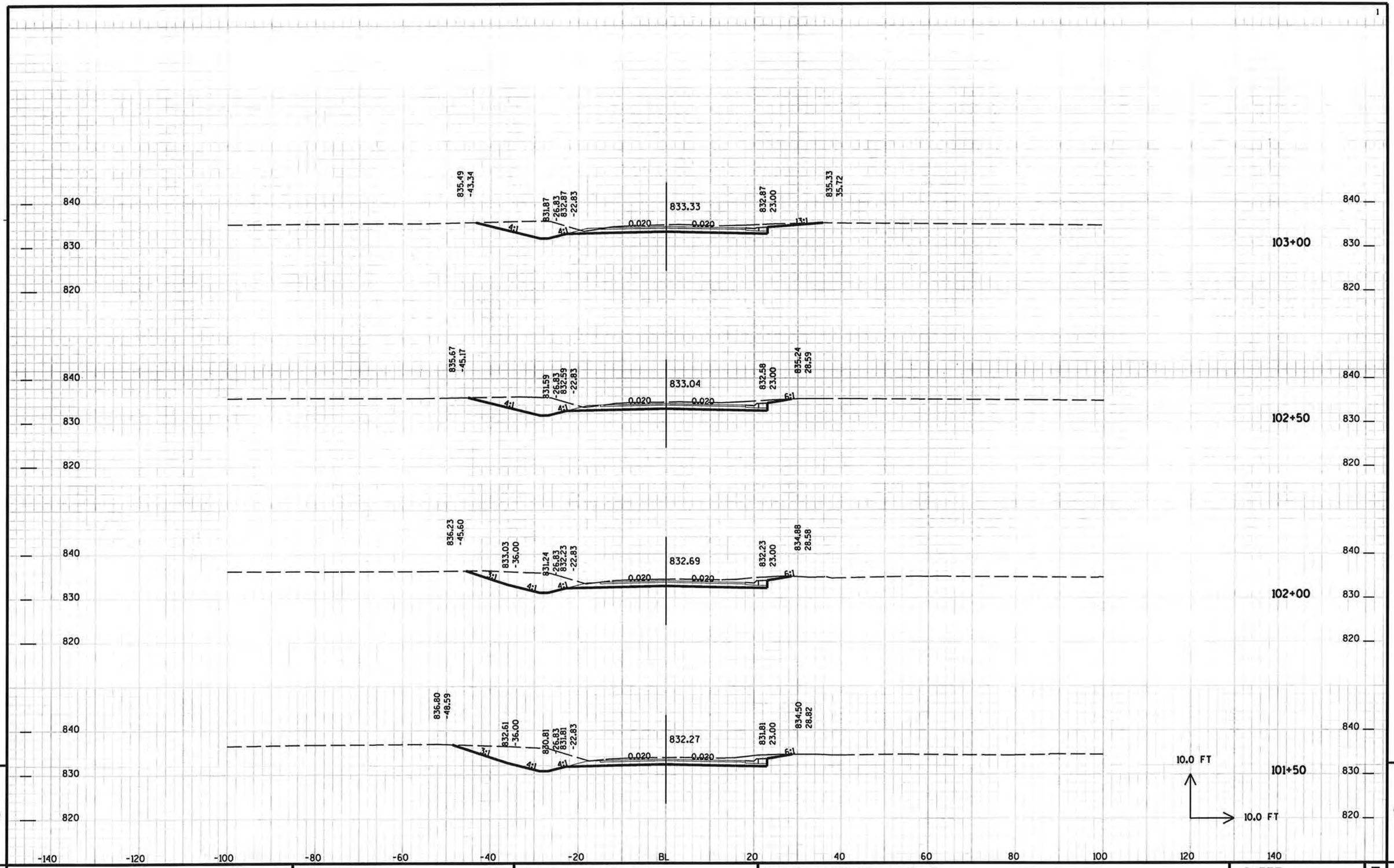

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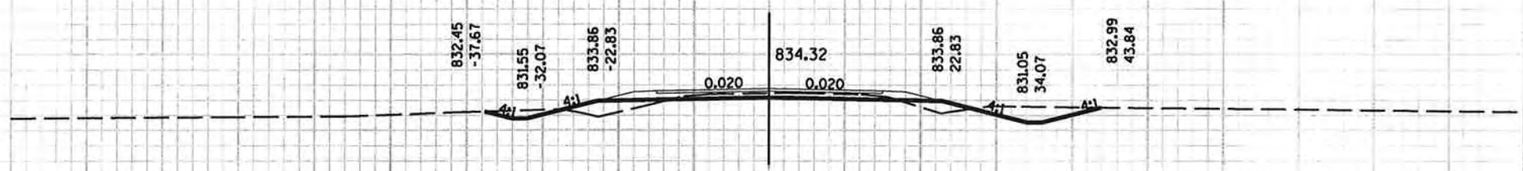
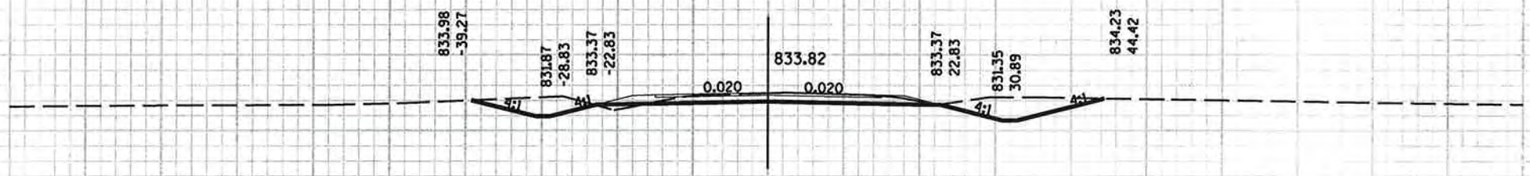
9

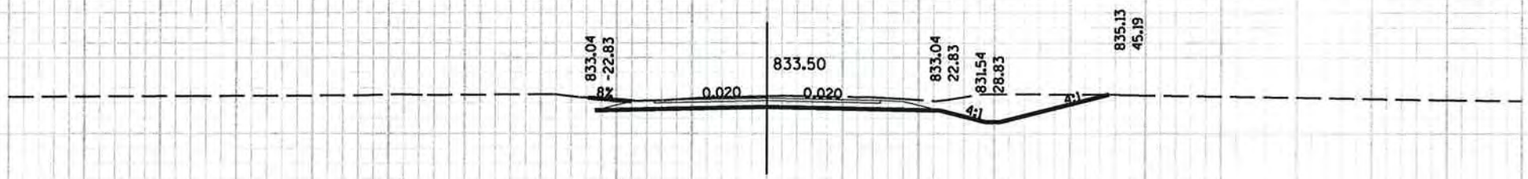
PROJECT NO:	HWY: CTH T	COUNTY: WINNEBAGO	CROSS SECTIONS - CTH T	SHEET 200 E



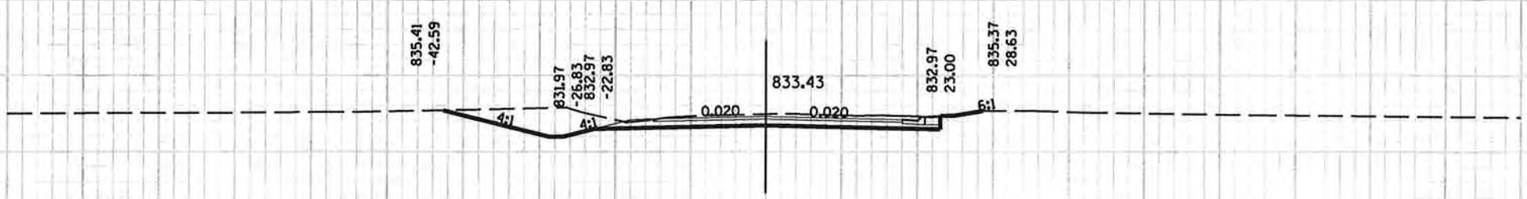
105+00



104+00



103+35



103+20

10.0 FT

10.0 FT

-140 -120 -100 -80 -60 -40 -20 BL 20 40 60 80 100 120 140

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9

PROJECT NO:	HWY: CTH T	COUNTY: WINNEBAGO	CROSS SECTIONS - CTH T	SHEET E

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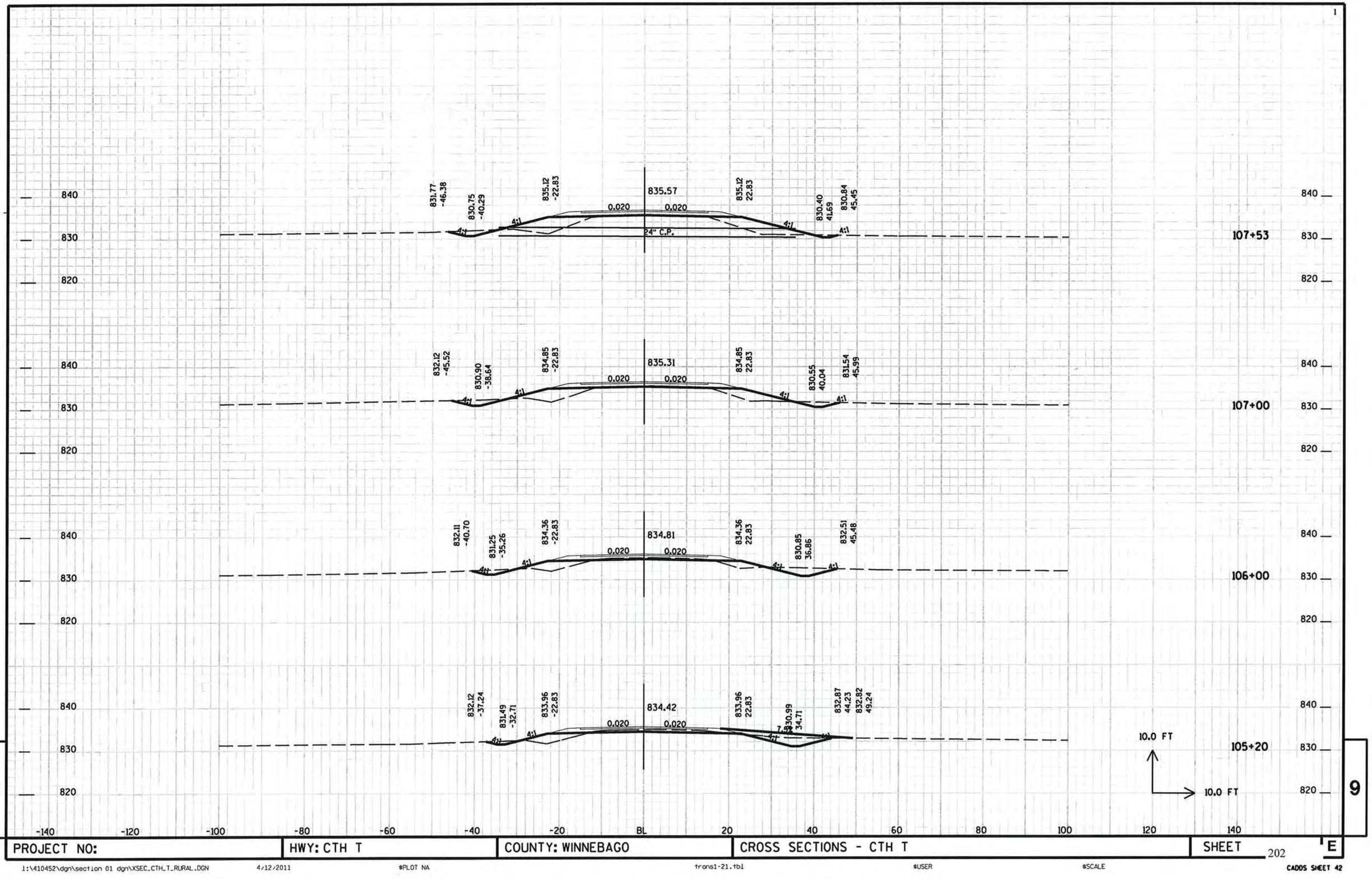

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PROJECT NO:	HWY: CTH T	COUNTY: WINNEBAGO	CROSS SECTIONS - CTH T	SHEET 202 E

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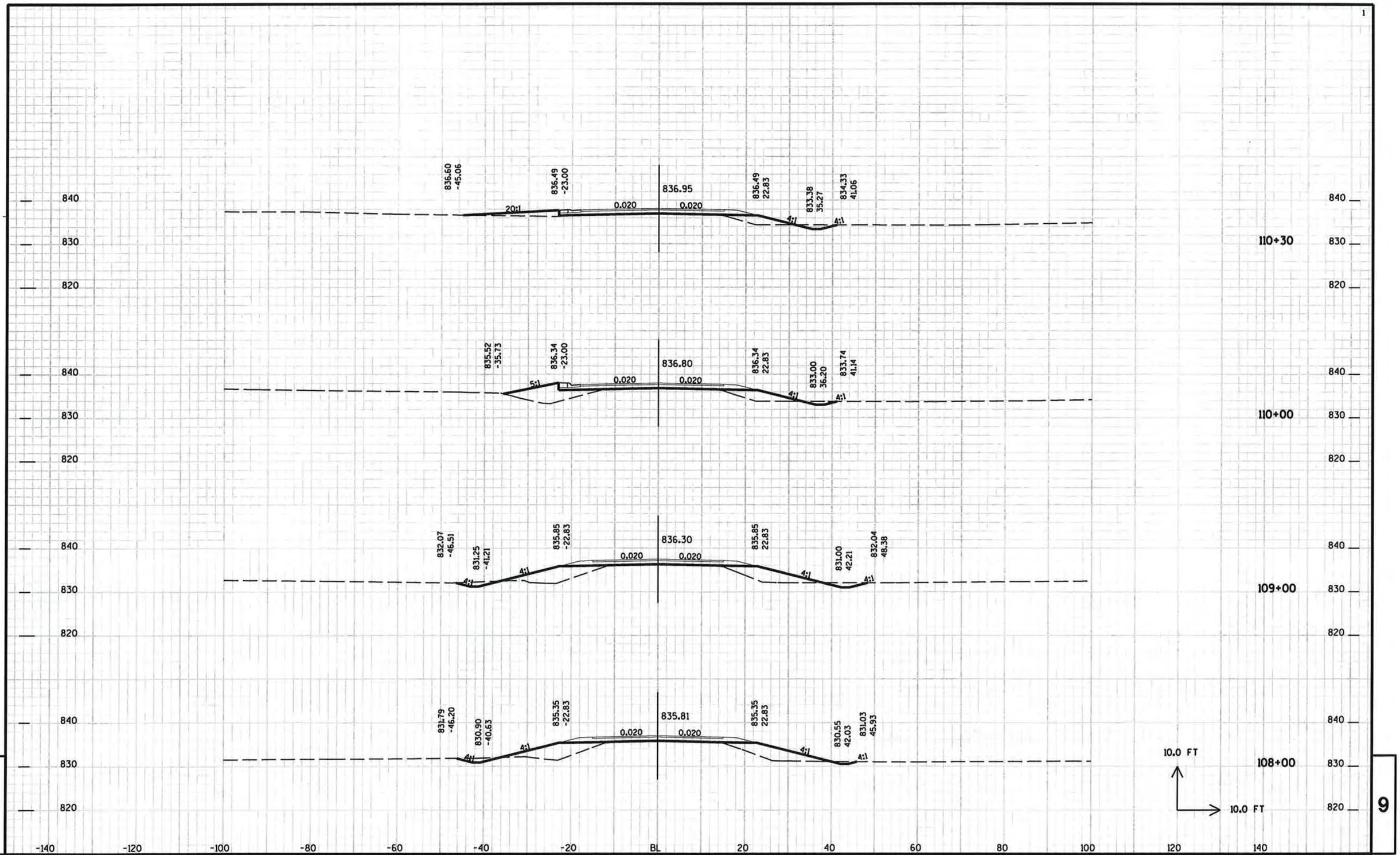

PROJECT NO:	HWY: CTH T	COUNTY: WINNEBAGO	CROSS SECTIONS - CTH T	SHEET

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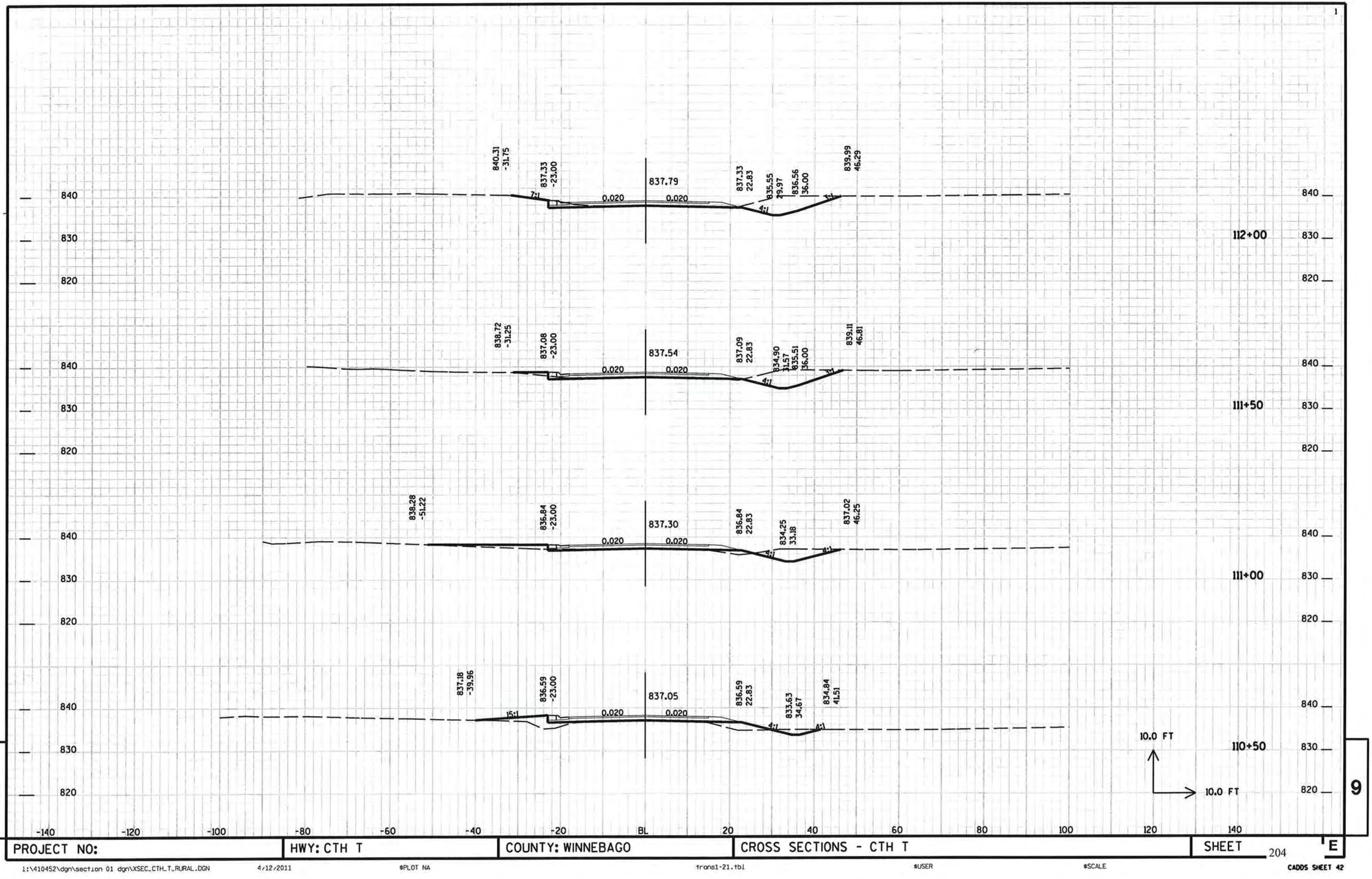

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PROJECT NO:	HWY: CTH T	COUNTY: WINNEBAGO	CROSS SECTIONS - CTH T	SHEET E

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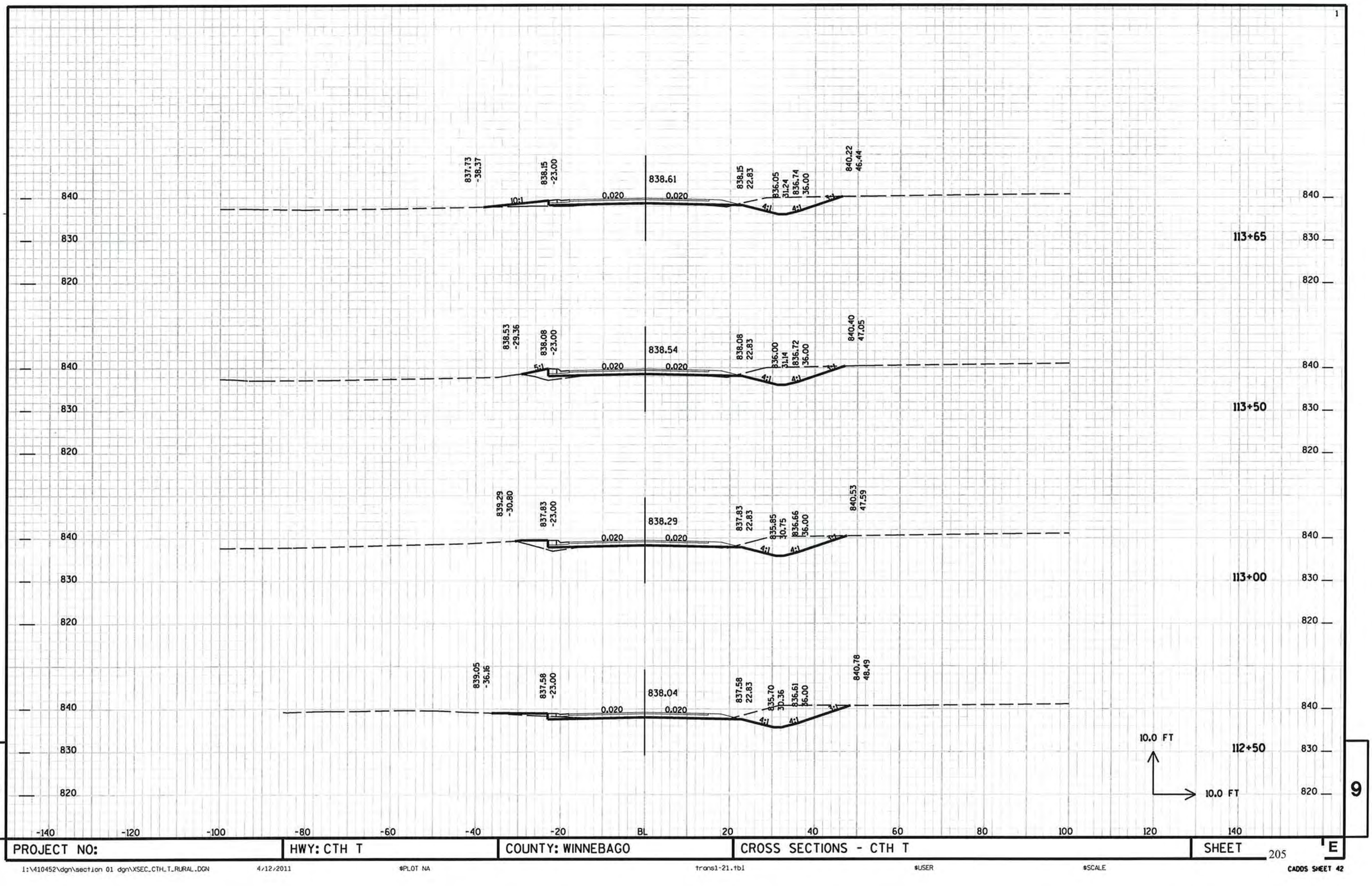

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PROJECT NO:	HWY: CTH T	COUNTY: WINNEBAGO	CROSS SECTIONS - CTH T	SHEET E

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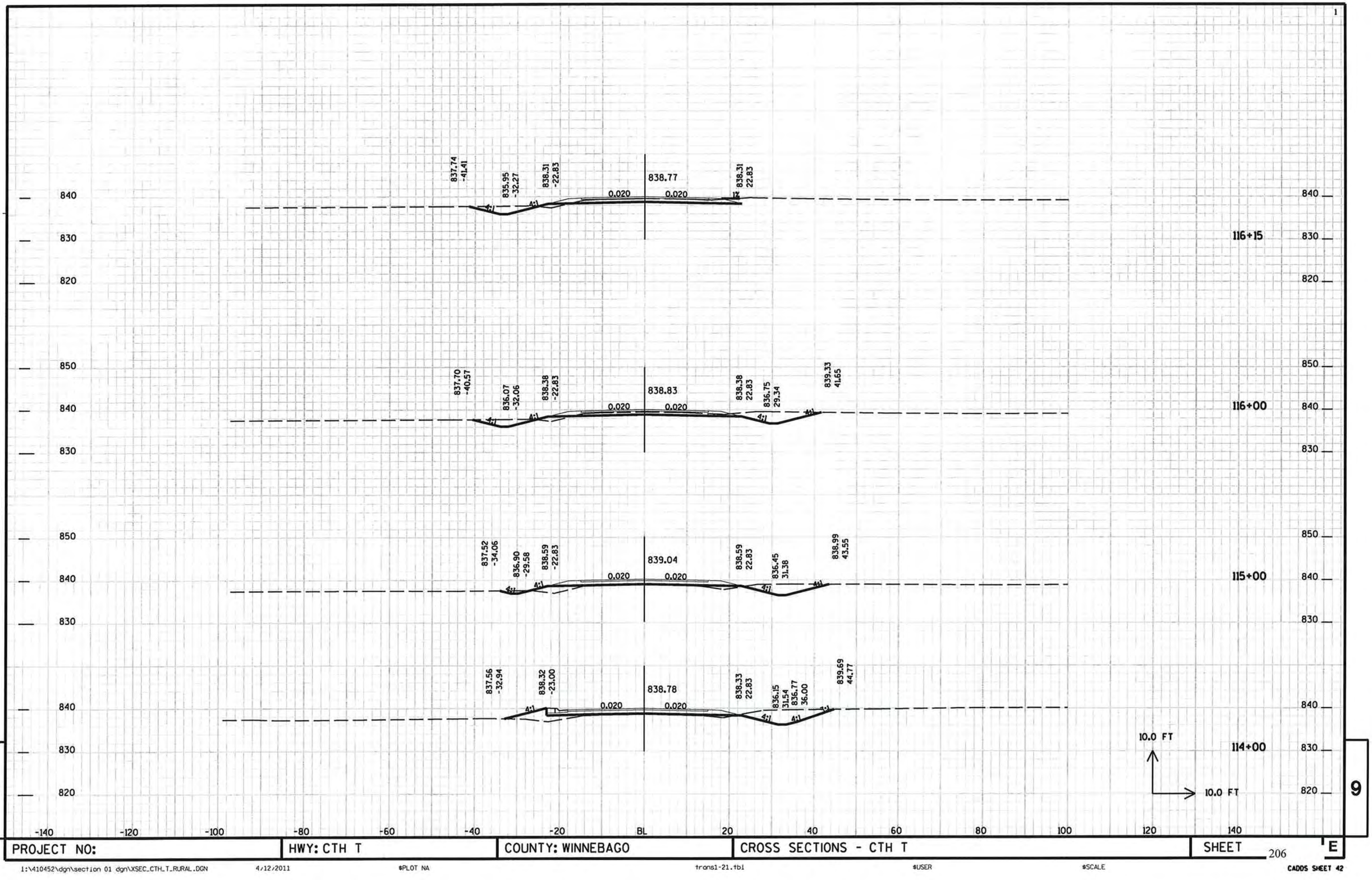

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PROJECT NO:	HWY: CTH T	COUNTY: WINNEBAGO	CROSS SECTIONS - CTH T	SHEET E

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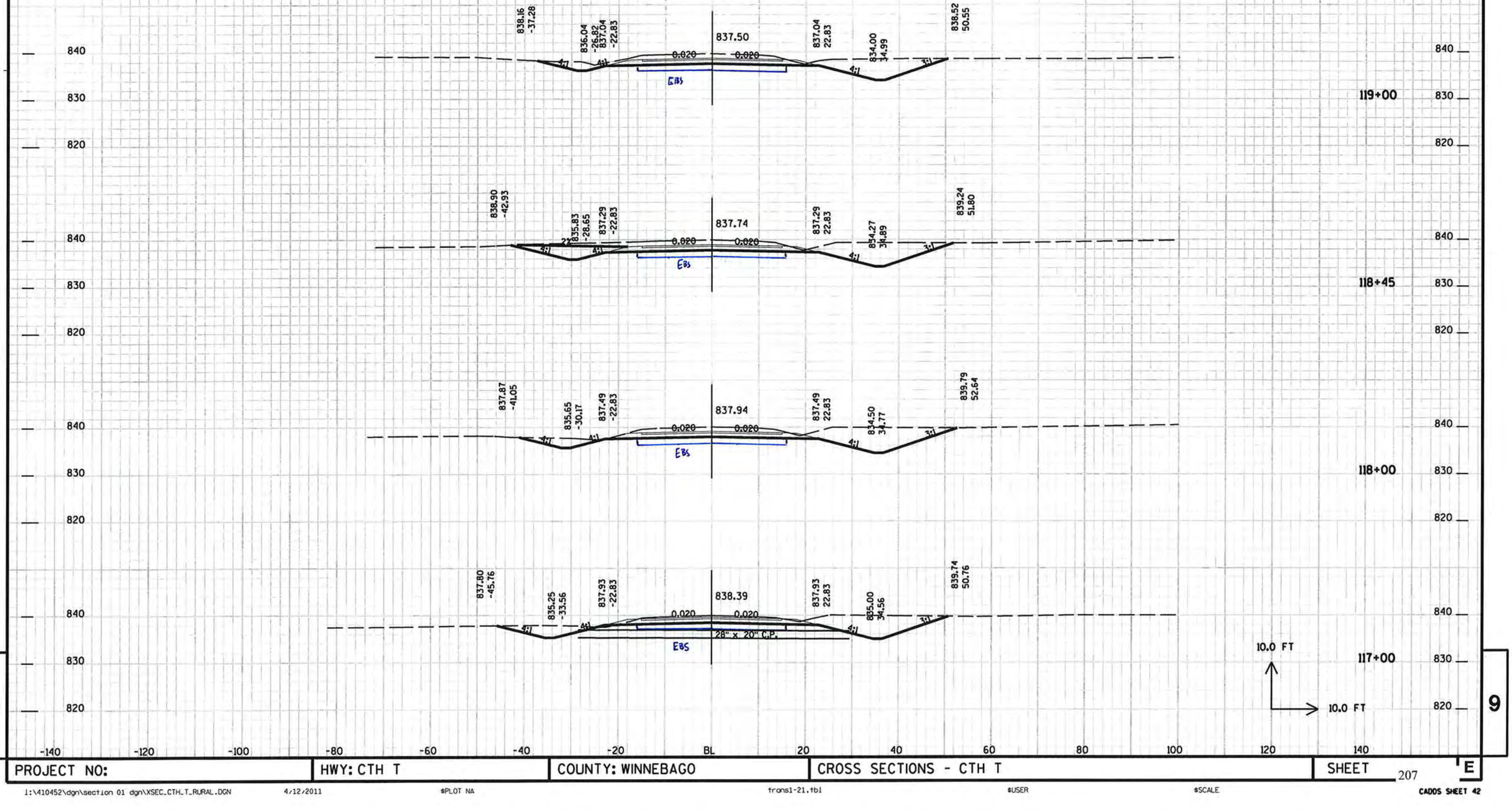

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PROJECT NO:	HWY: CTH T	COUNTY: WINNEBAGO	CROSS SECTIONS - CTH T	SHEET

E

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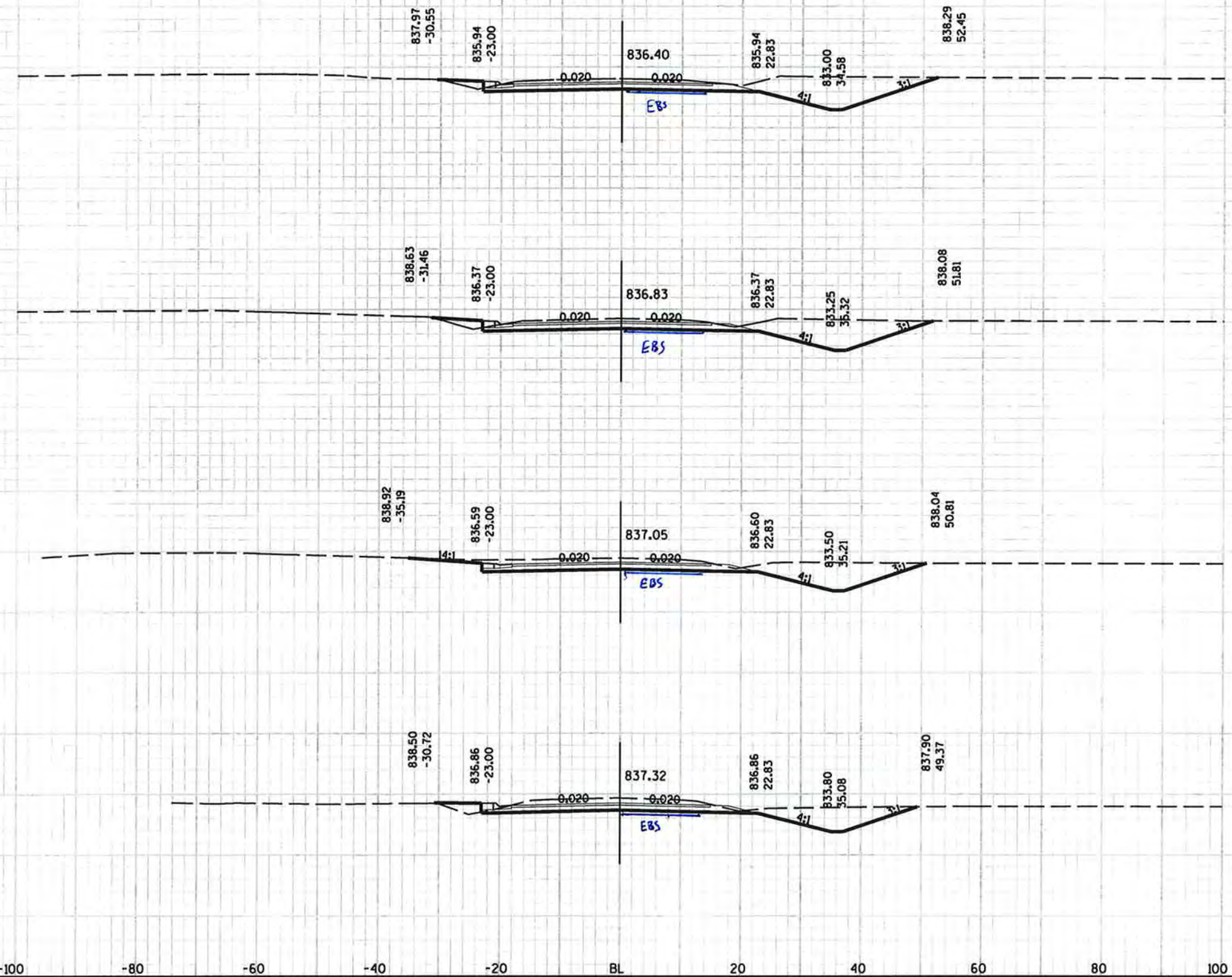

PROJECT NO:	HWY: CTH T	COUNTY: WINNEBAGO	CROSS SECTIONS - CTH T	SHEET E

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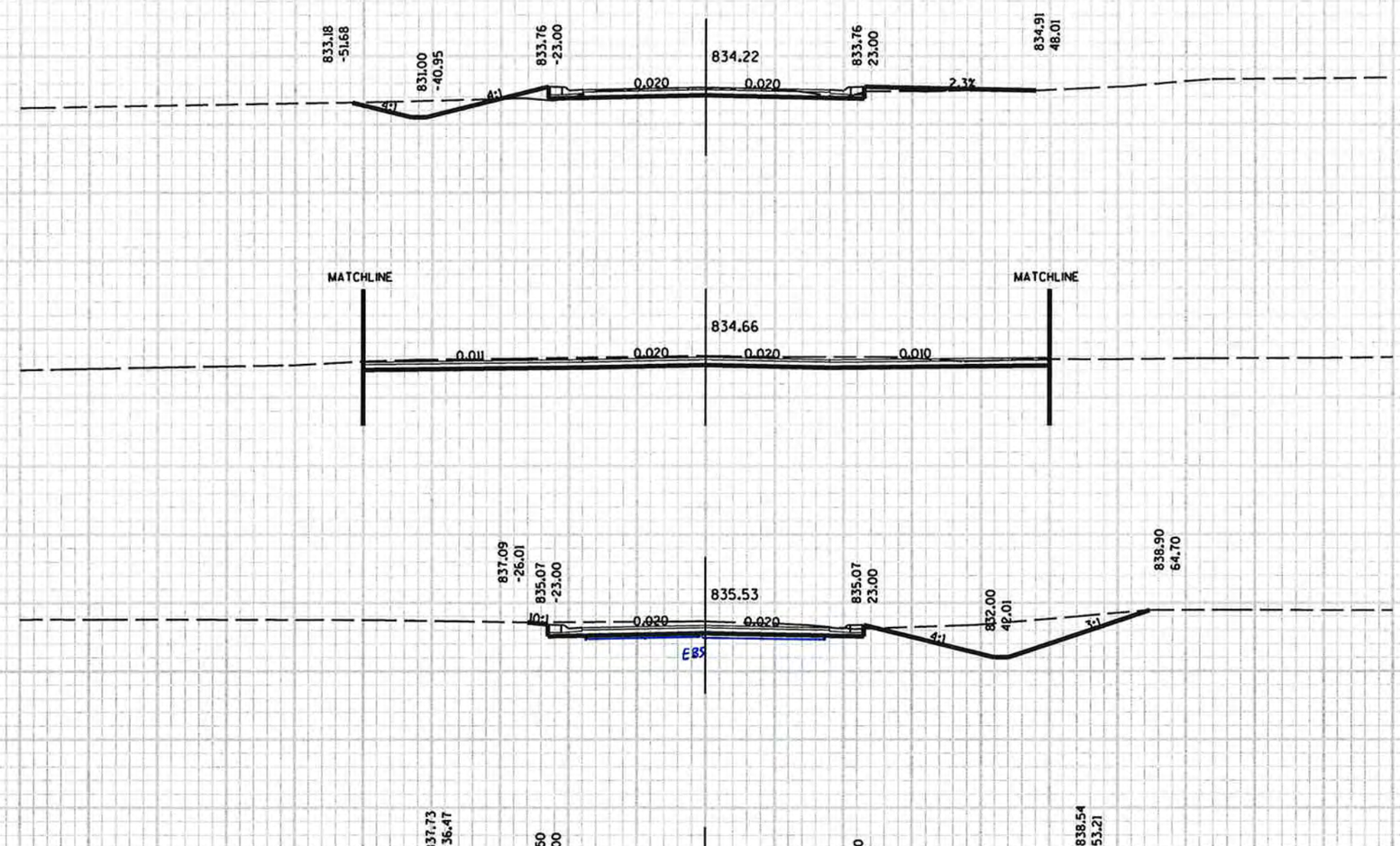

PROJECT NO:	HWY: CTH T	COUNTY: WINNEBAGO	CROSS SECTIONS - CTH T	SHEET	E

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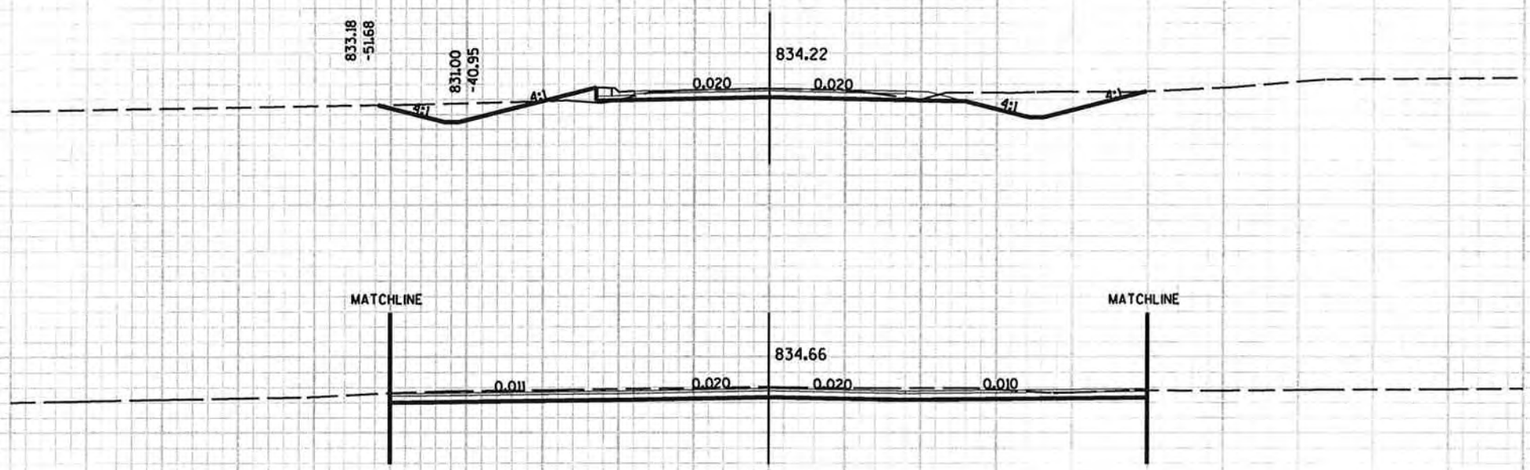

See Addendum Sheet

PROJECT NO:	HWY: CTH T	COUNTY: WINNEBAGO	CROSS SECTIONS - CTH T	SHEET E

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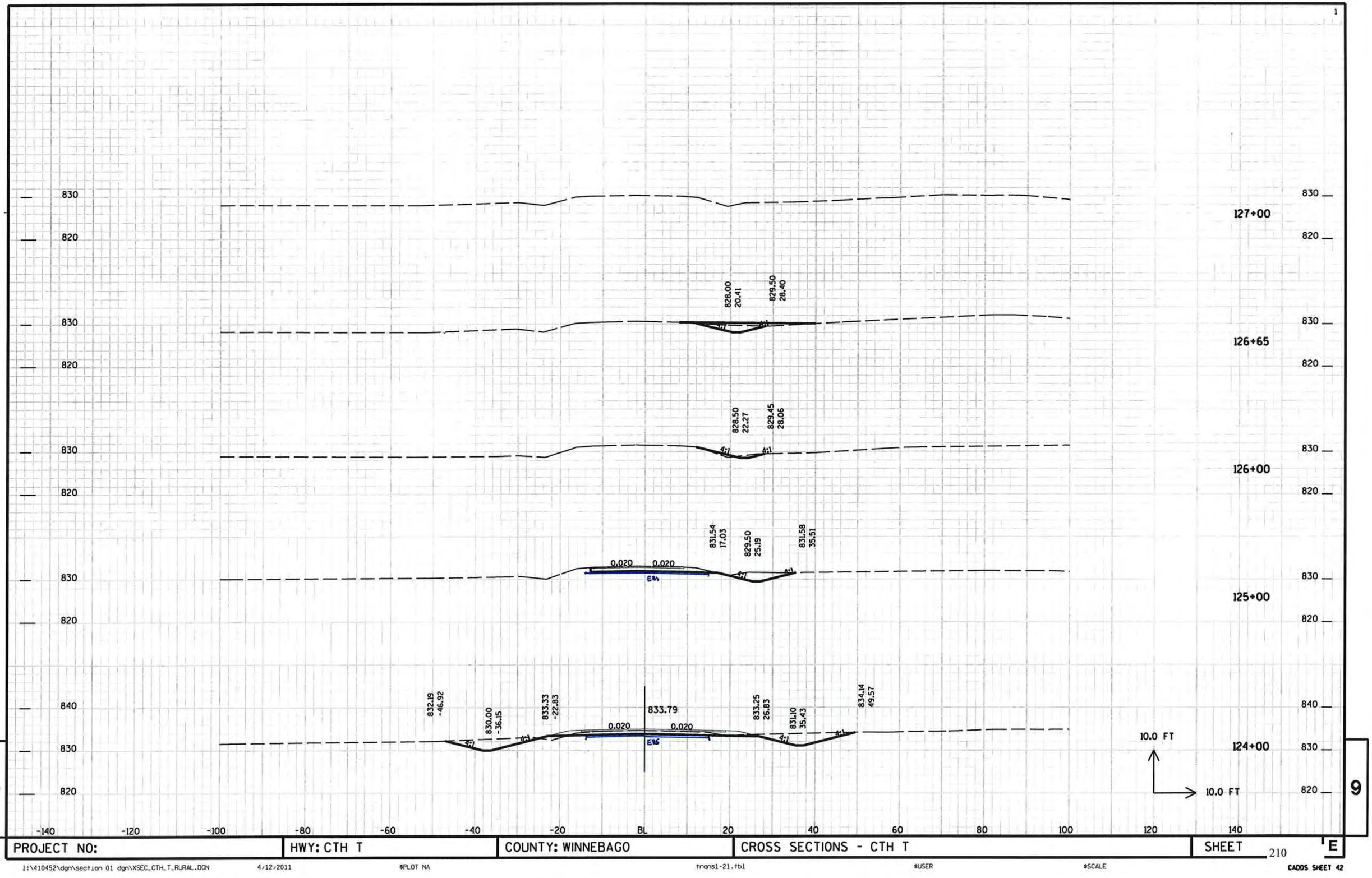

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PROJECT NO:	HWY: CTH T	COUNTY: WINNEBAGO	CROSS SECTIONS - CTH T	SHEET E

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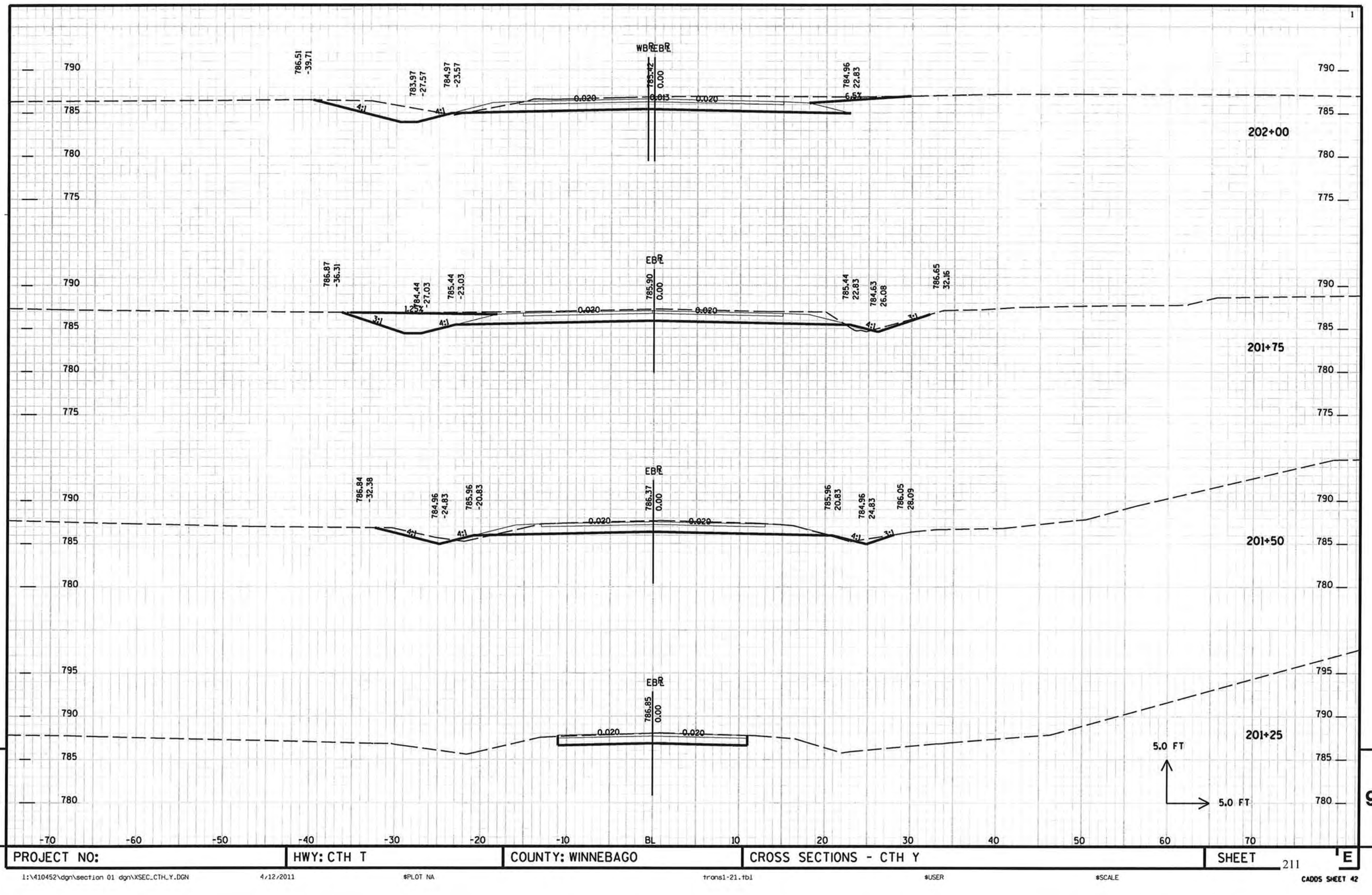

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PROJECT NO:	HWY: CTH T	COUNTY: WINNEBAGO	CROSS SECTIONS - CTH Y	SHEET 211 E

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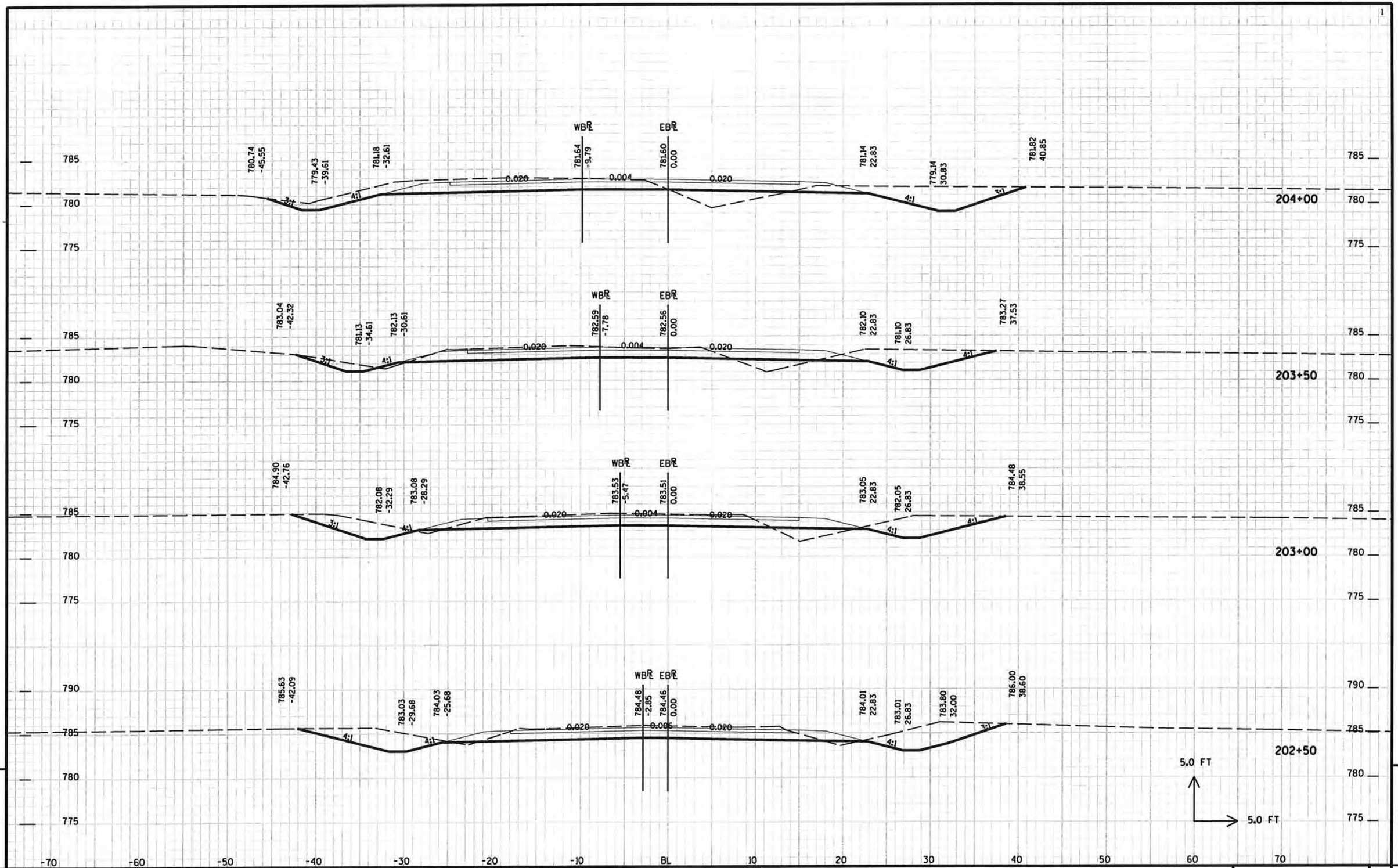

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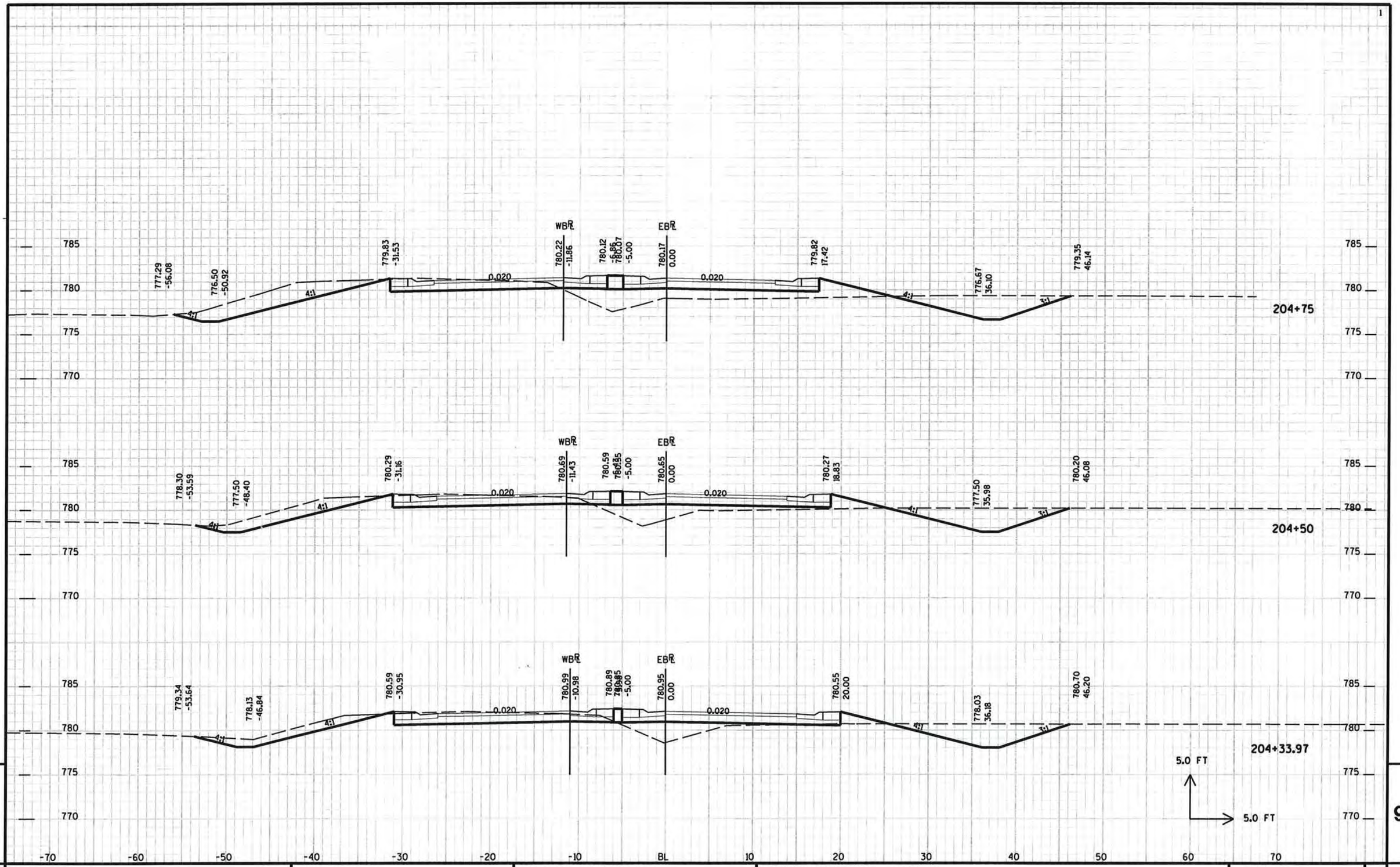
PROJECT NO:	HWY: CTH T	COUNTY: WINNEBAGO	CROSS SECTIONS - CTH Y	SHEET 212 E



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PROJECT NO:	HWY: CTH T	COUNTY: WINNEBAGO	CROSS SECTIONS - CTH Y	SHEET E

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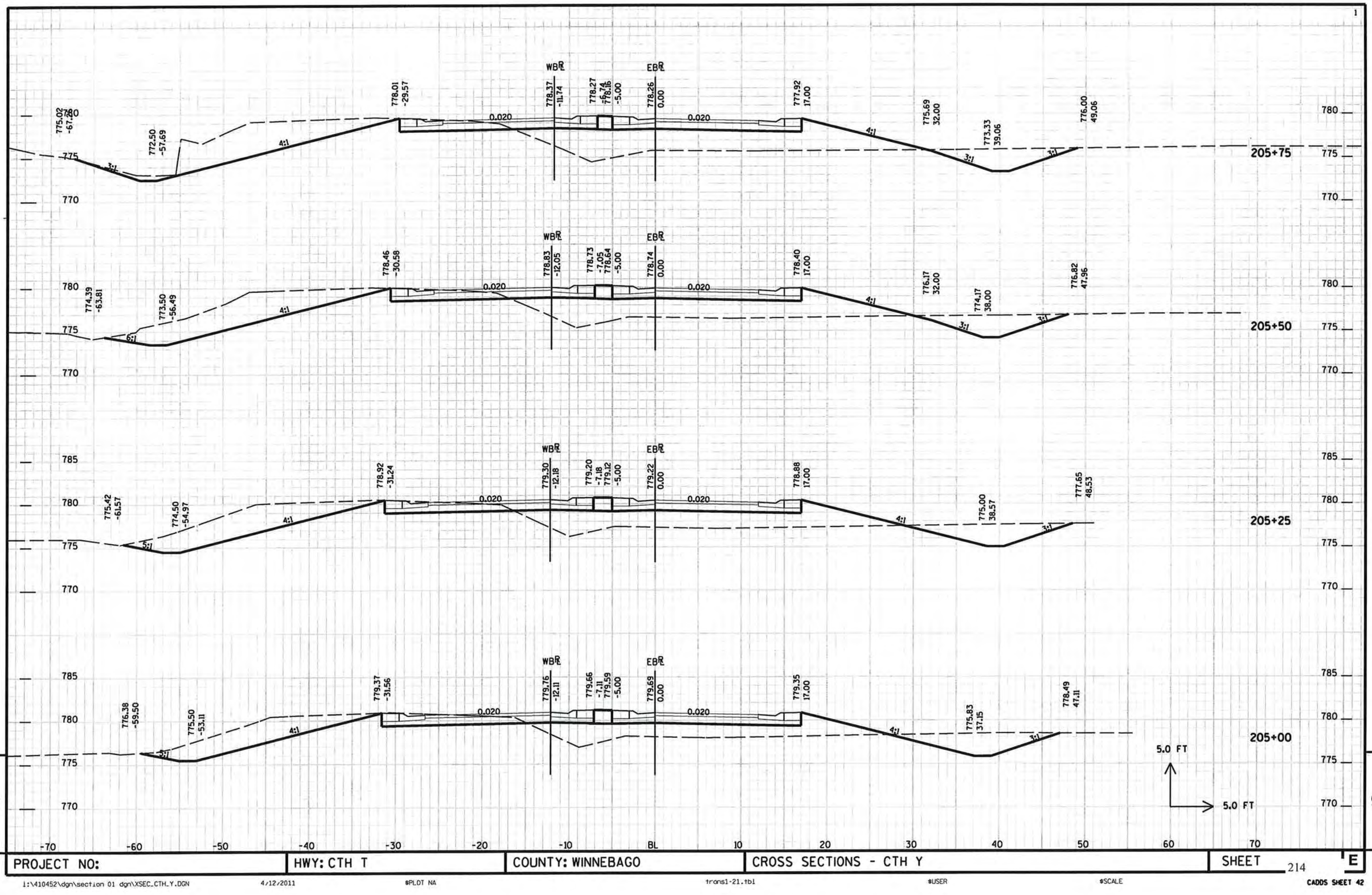

PROJECT NO:	HWY: CTH T	COUNTY: WINNEBAGO	CROSS SECTIONS - CTH Y	SHEET E

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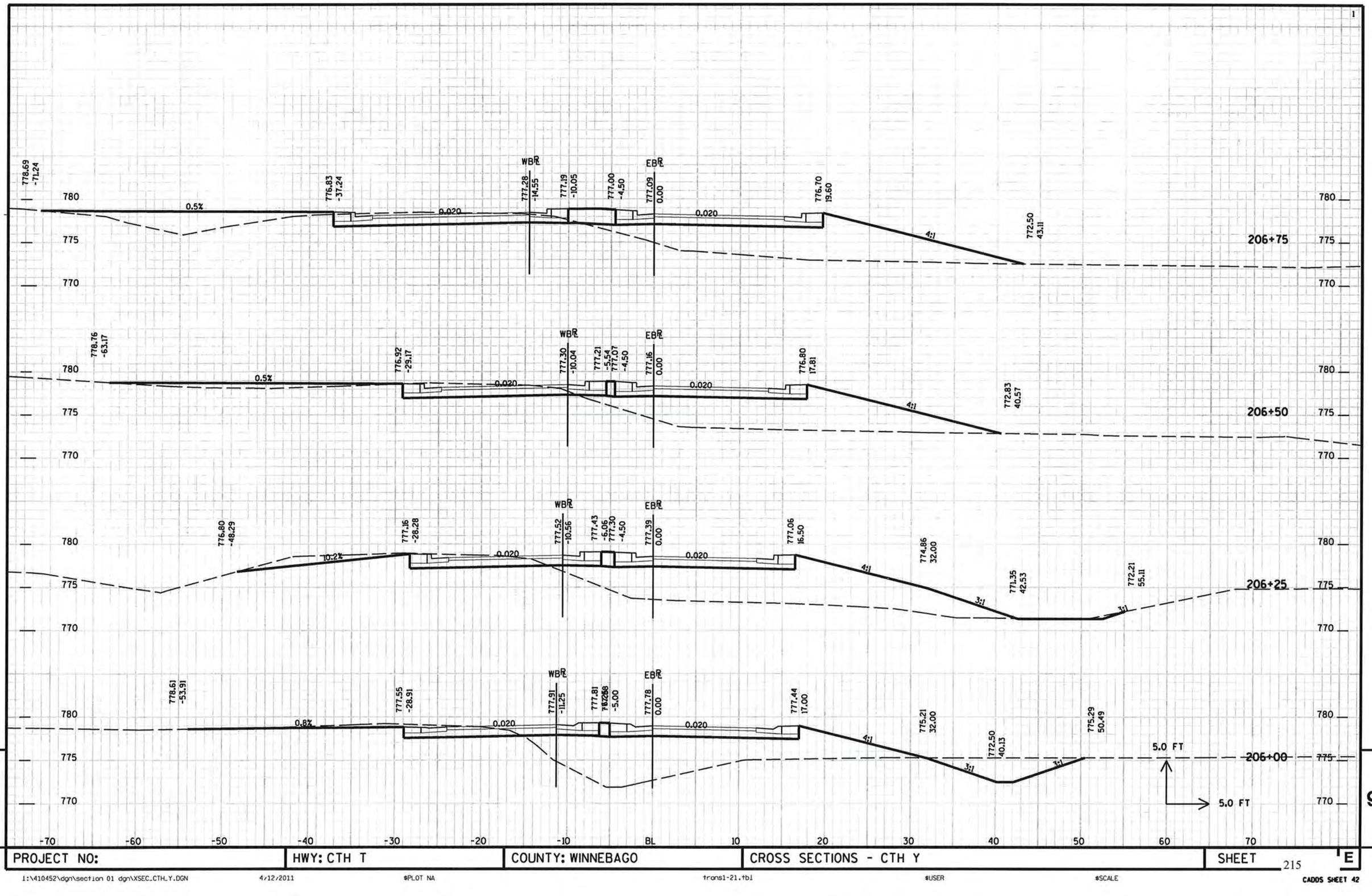

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PROJECT NO:	HWY: CTH T	COUNTY: WINNEBAGO	CROSS SECTIONS - CTH Y	SHEET 215 E

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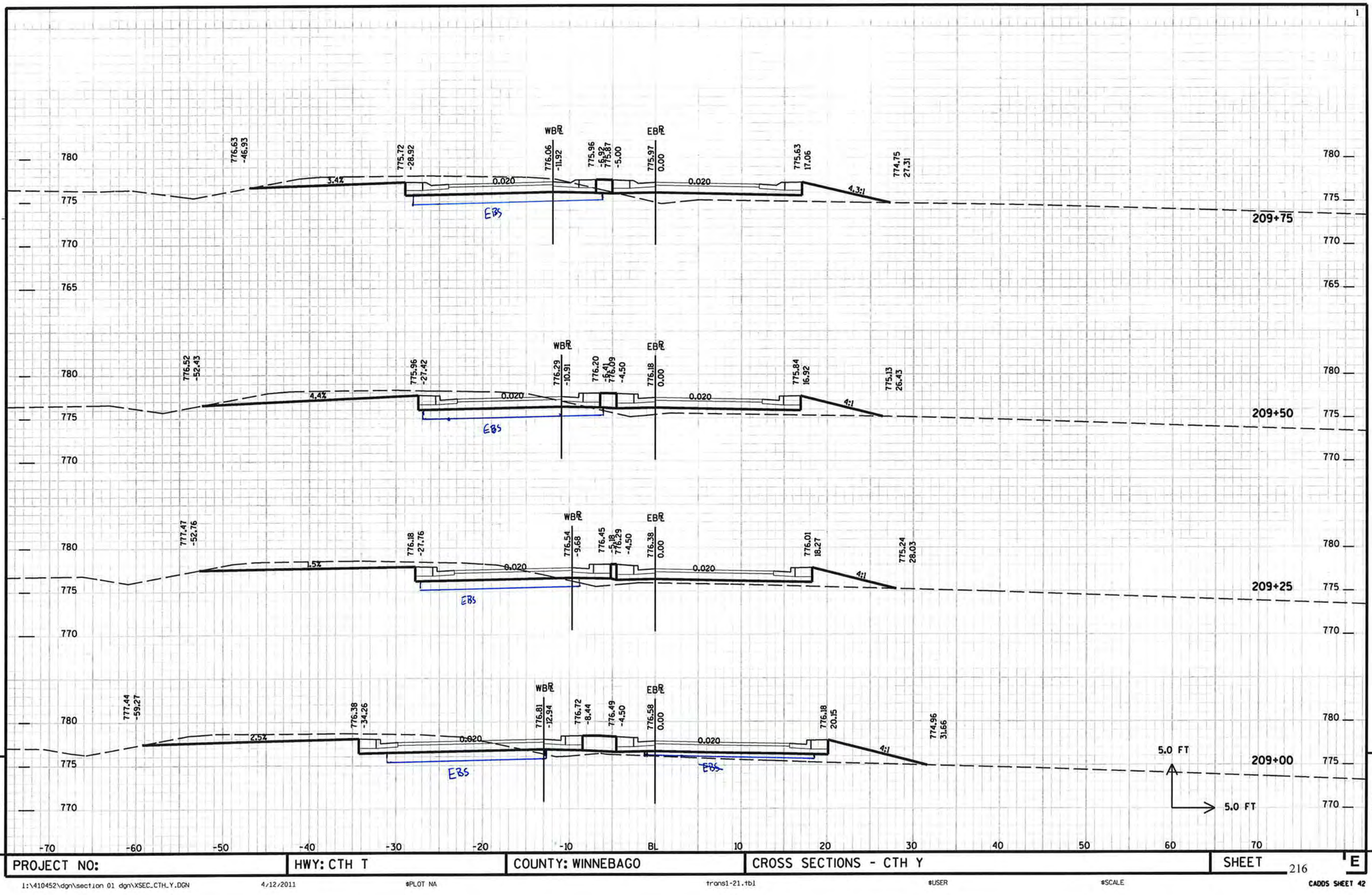

PROJECT NO:	HWY: CTH T	COUNTY: WINNEBAGO	CROSS SECTIONS - CTH Y	SHEET

E

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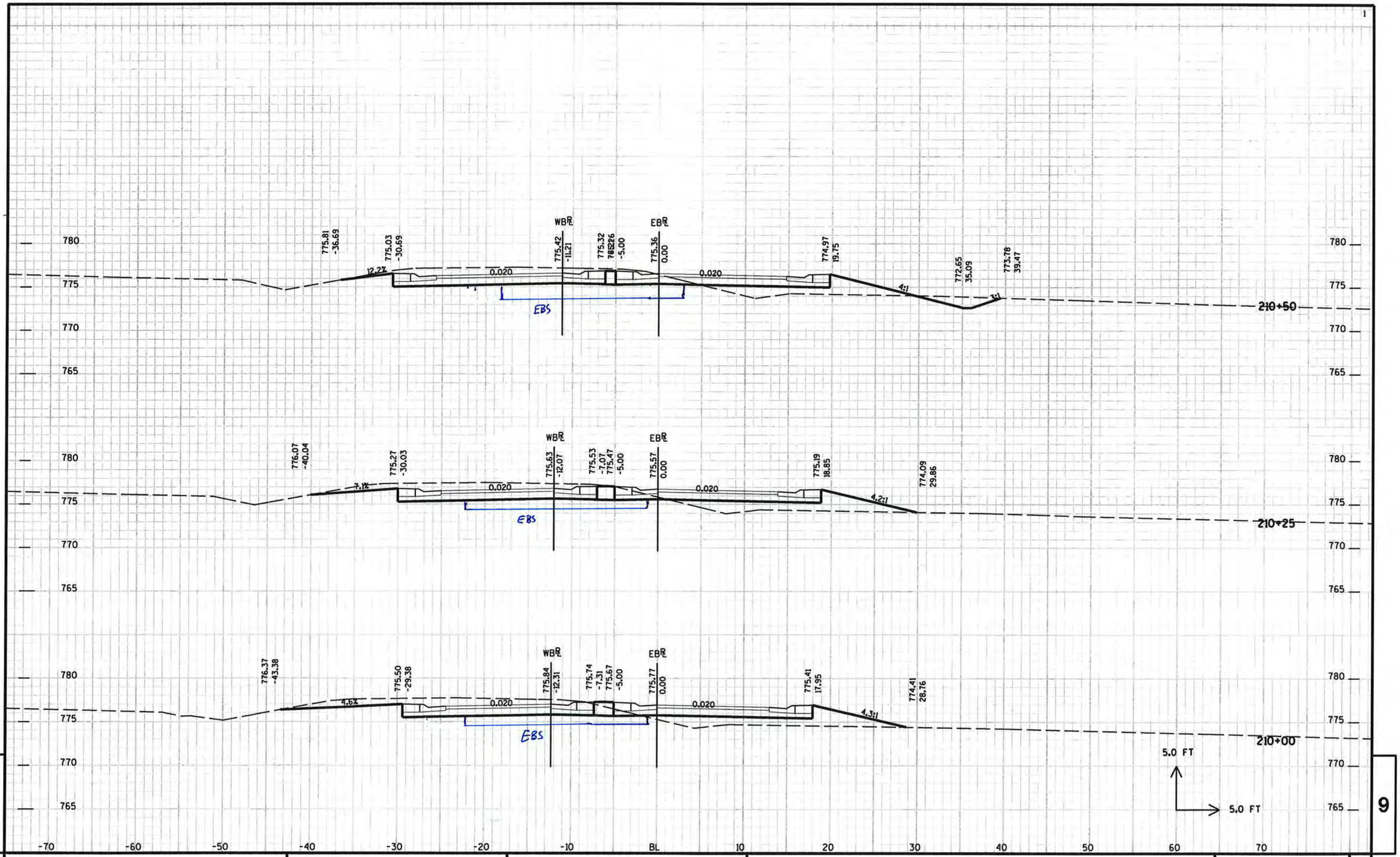

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PROJECT NO:	HWY: CTH T	COUNTY: WINNEBAGO	CROSS SECTIONS - CTH Y	SHEET E

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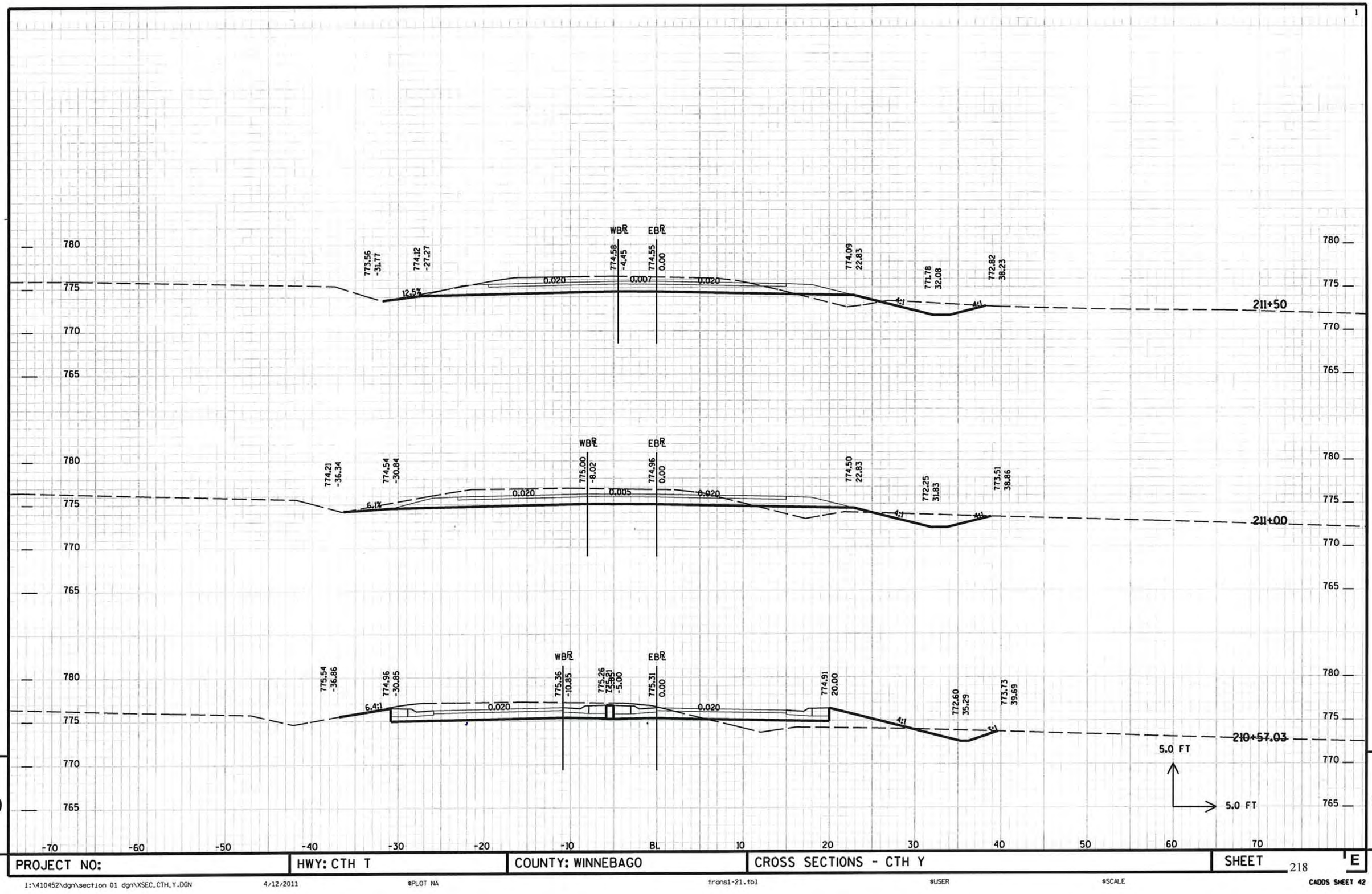

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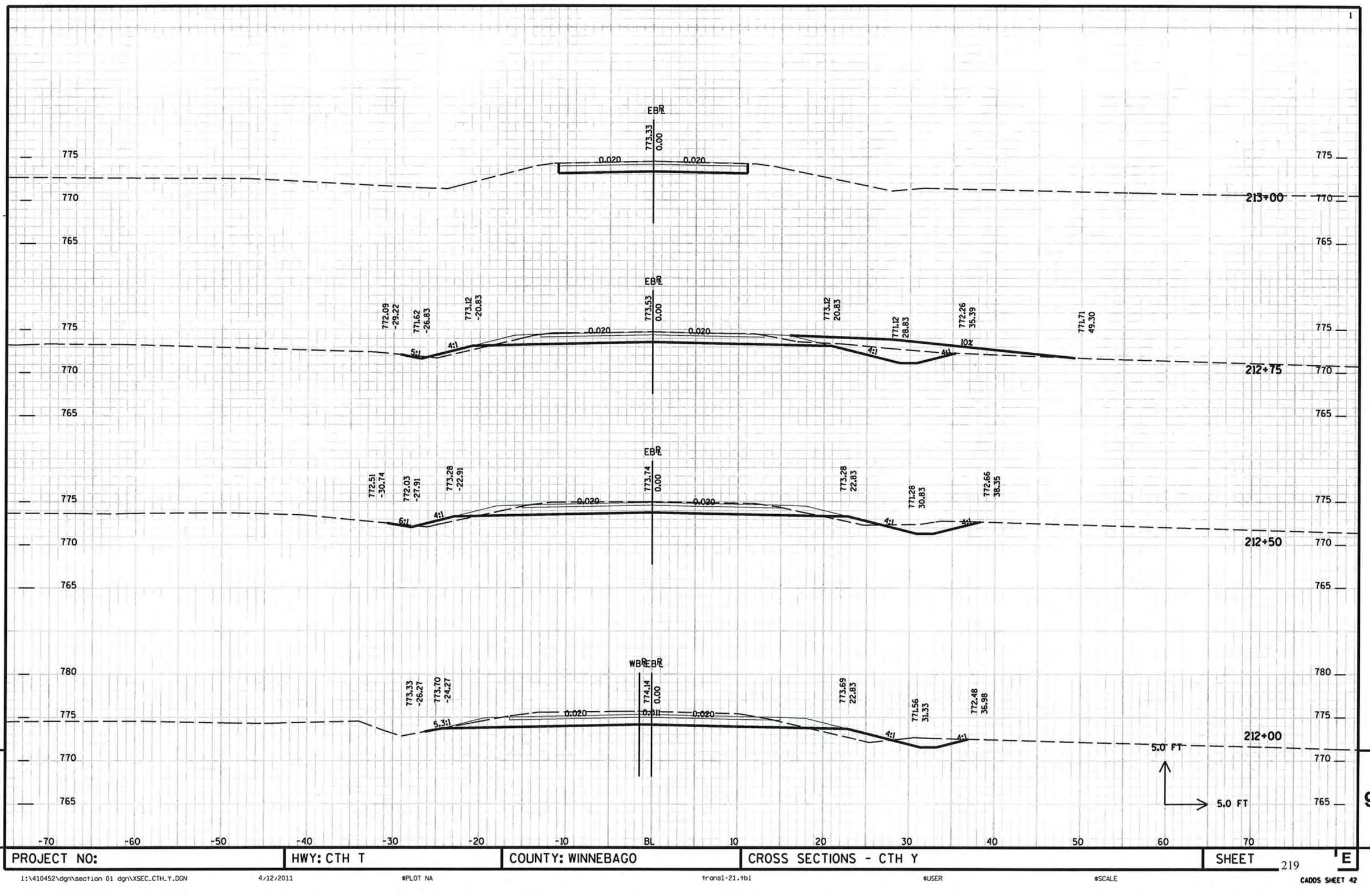
PROJECT NO:	HWY: CTH T	COUNTY: WINNEBAGO	CROSS SECTIONS - CTH Y	SHEET 218 E



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PROJECT NO:	HWY: CTH T	COUNTY: WINNEBAGO	CROSS SECTIONS - CTH Y	SHEET E

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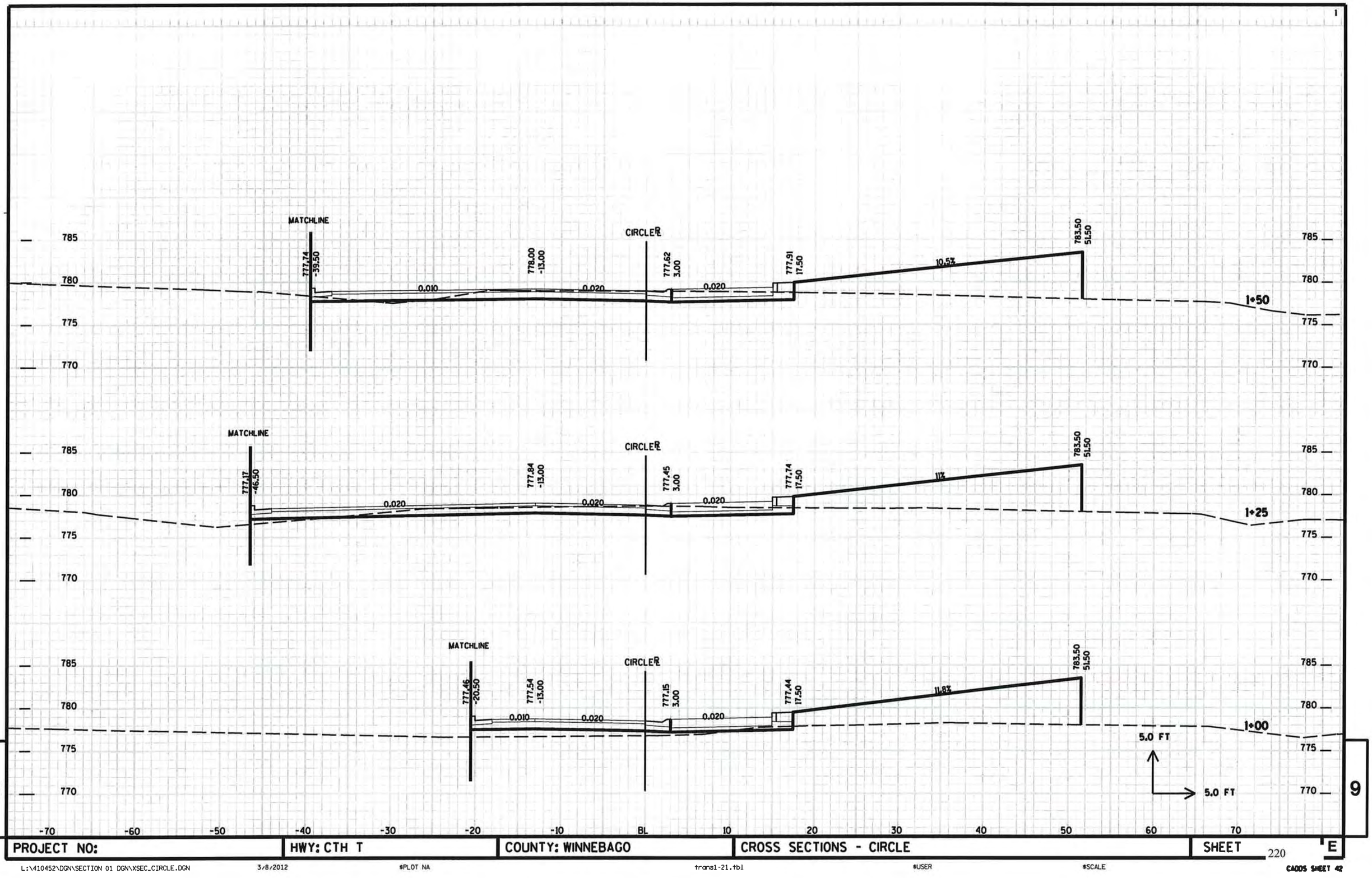

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PROJECT NO:	HWY: CTH T	COUNTY: WINNEBAGO	CROSS SECTIONS - CIRCLE	SHEET E

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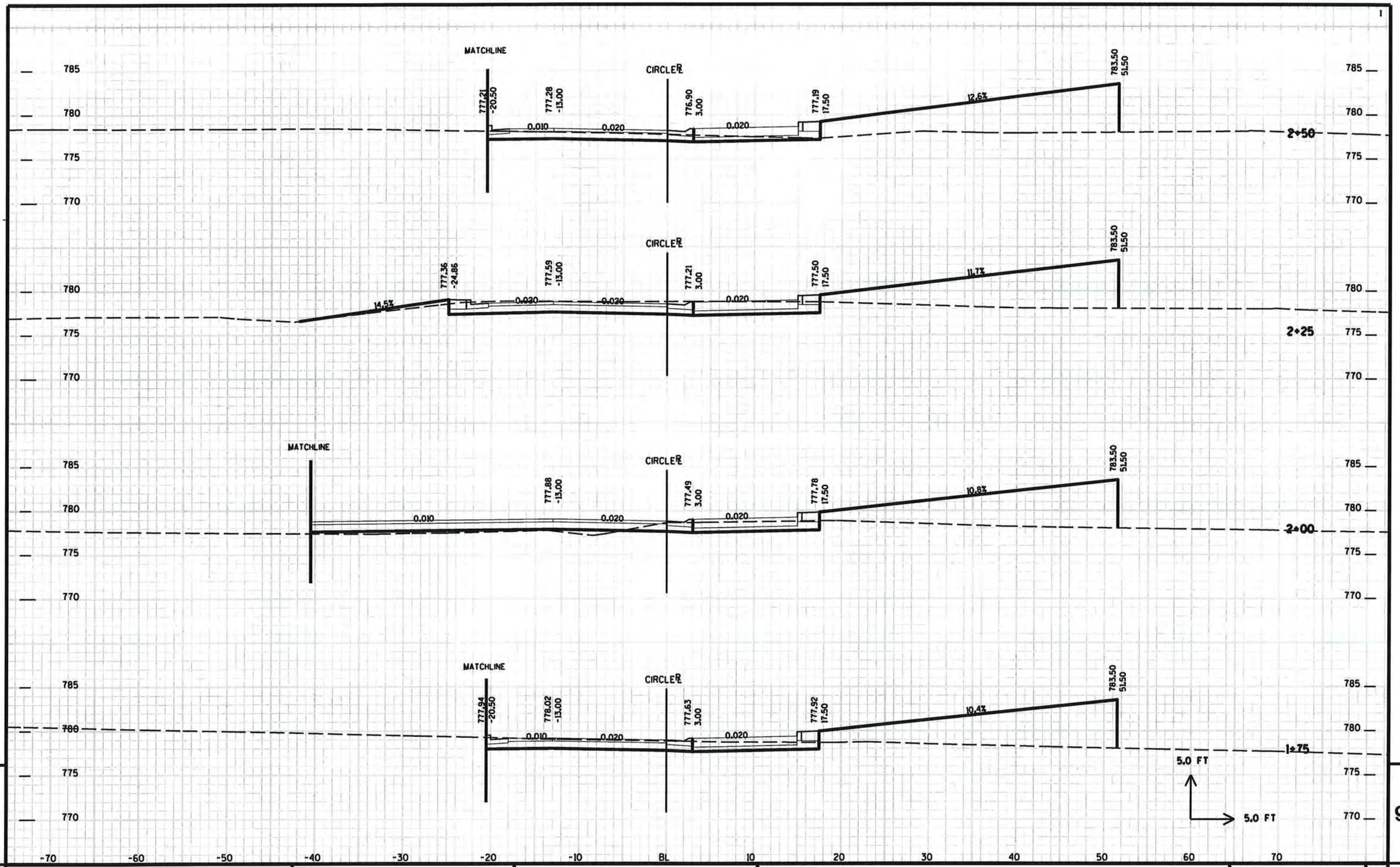

PROJECT NO:	HWY: CTH T	COUNTY: WINNEBAGO	CROSS SECTIONS - CIRCLE	SHEET E

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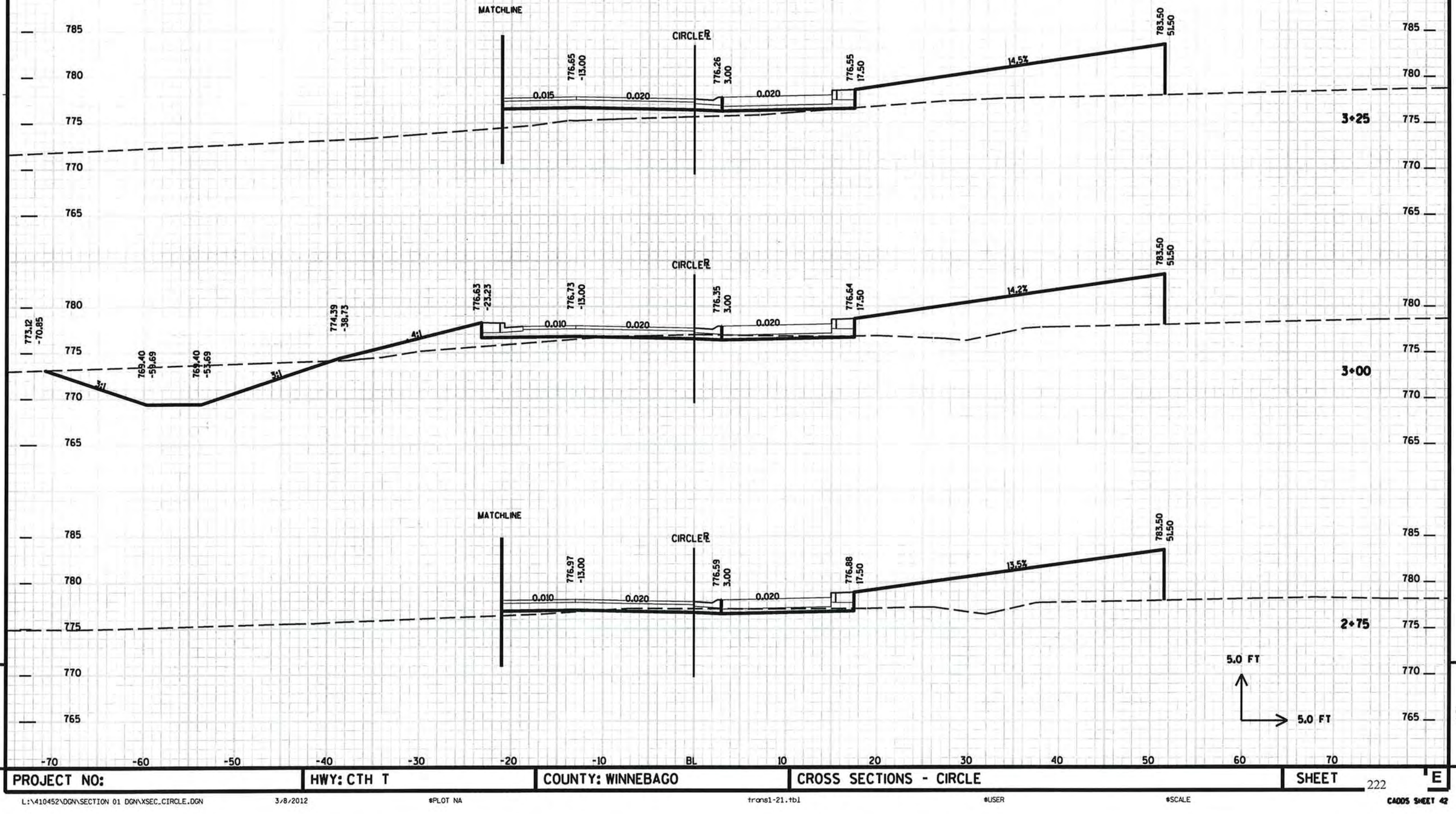

PROJECT NO:	HWY: CTH T	COUNTY: WINNEBAGO	CROSS SECTIONS - CIRCLE	SHEET E

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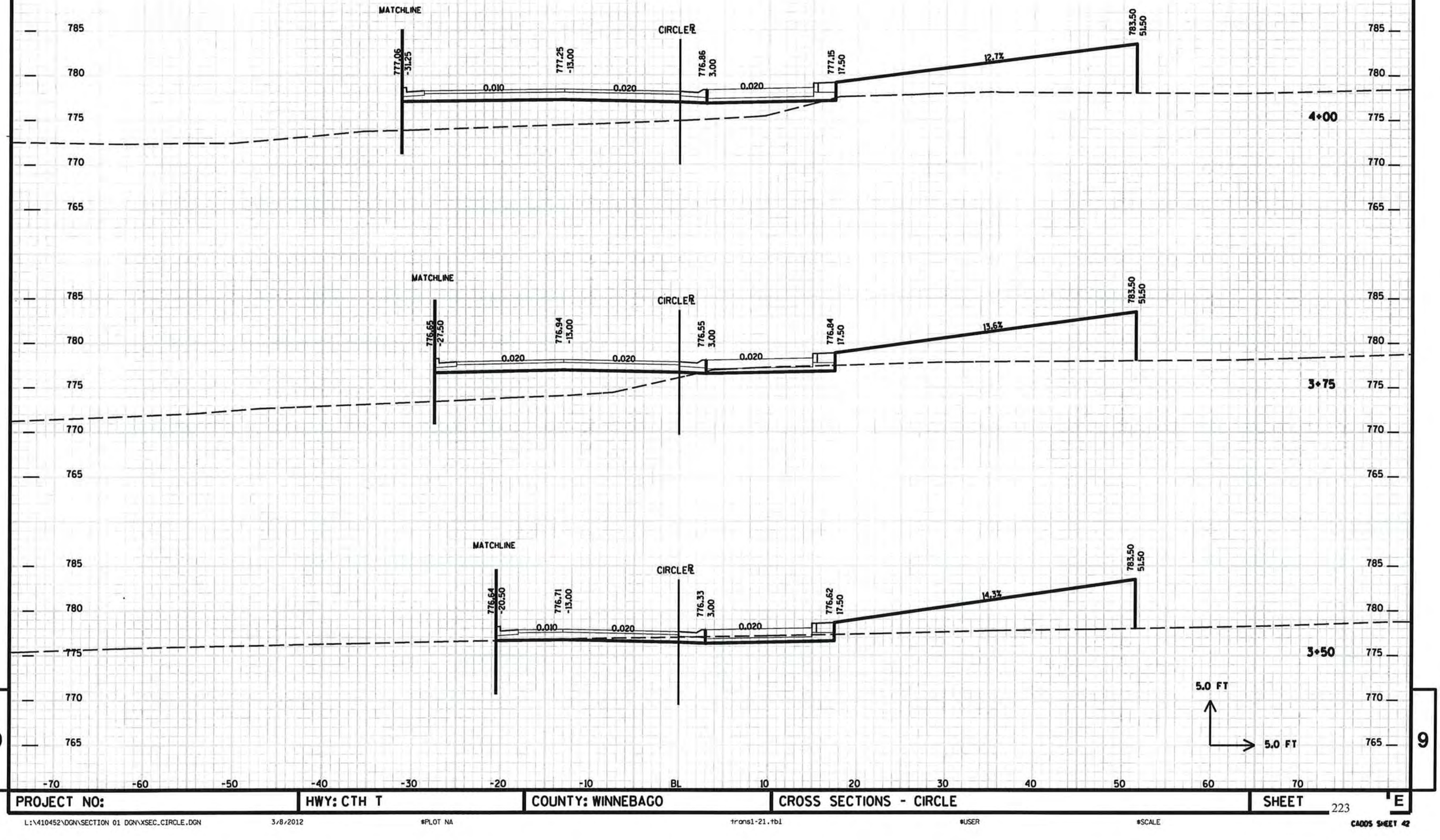

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PROJECT NO:	HWY: CTH T	COUNTY: WINNEBAGO	CROSS SECTIONS - CIRCLE	SHEET E

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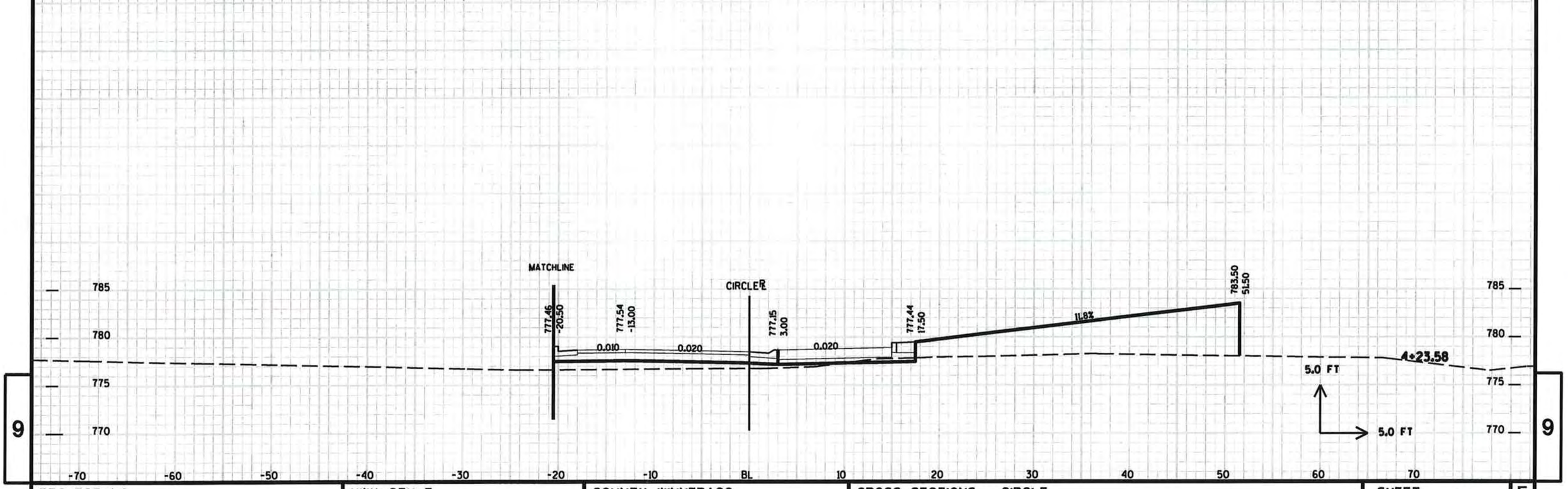

PROJECT NO:	HWY: CTH T	COUNTY: WINNEBAGO	CROSS SECTIONS - CIRCLE	SHEET E

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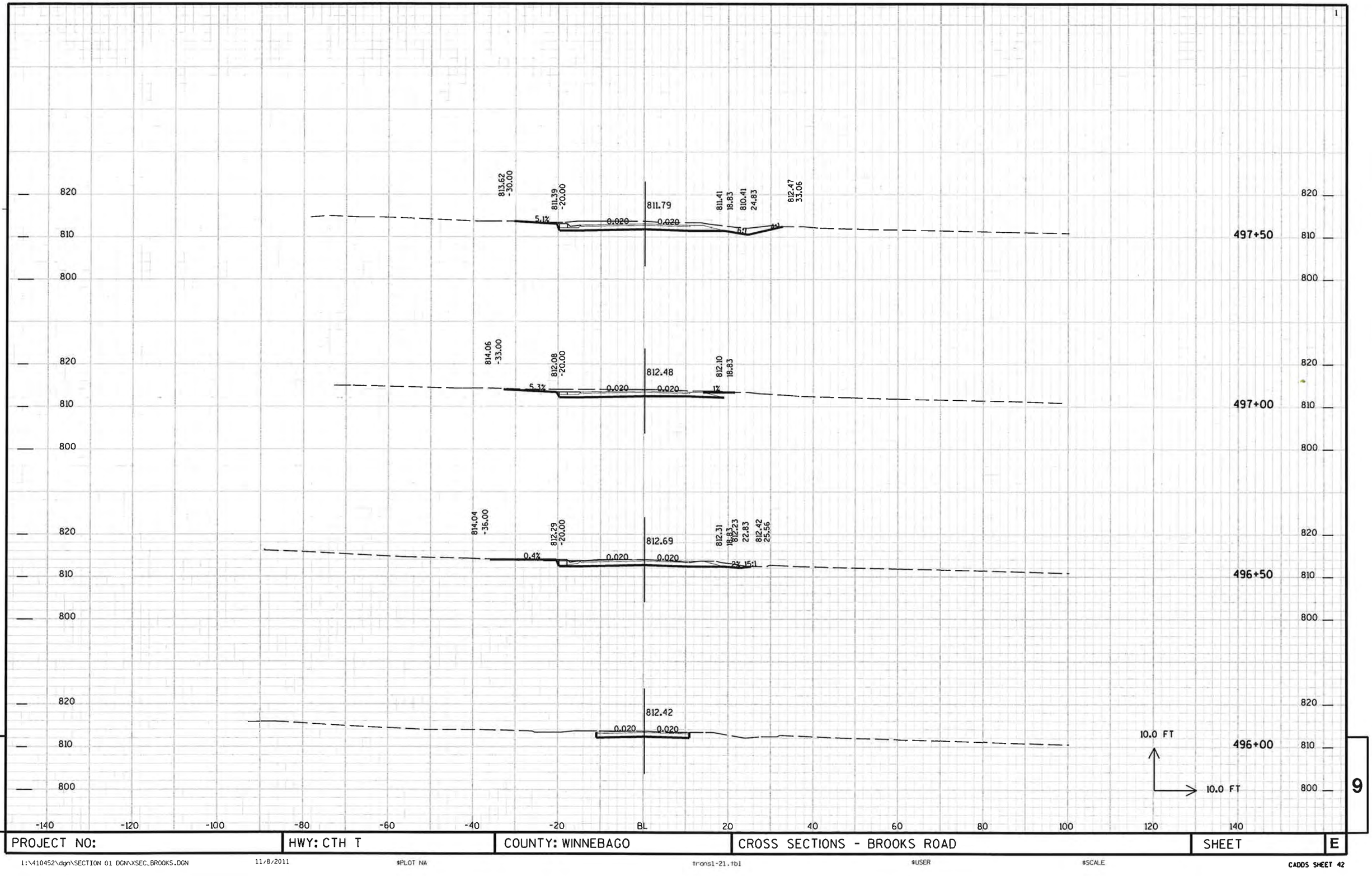
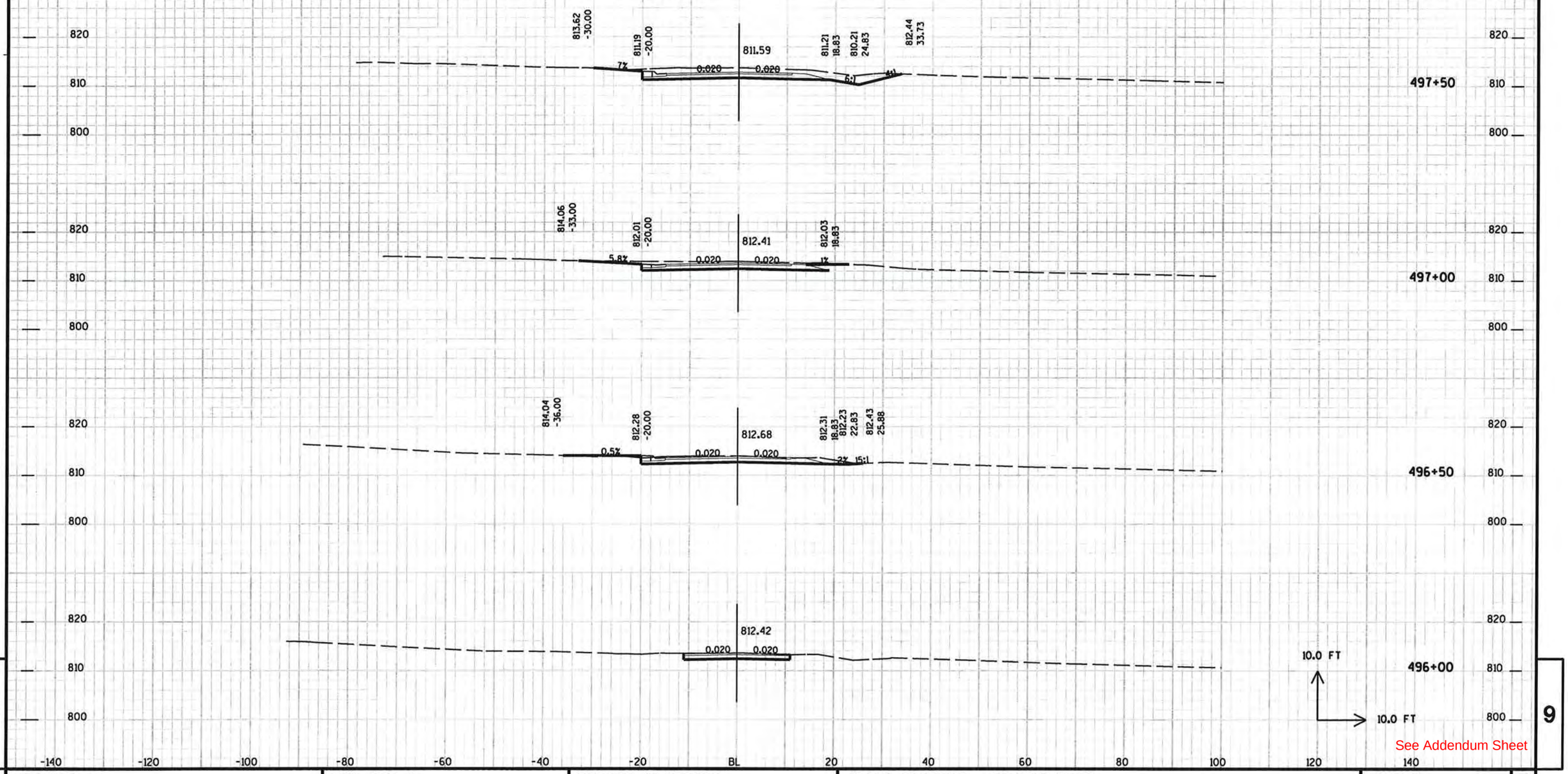


PROJECT NO:	HWY: CTH T	COUNTY: WINNEBAGO	CROSS SECTIONS - BROOKS ROAD	SHEET	E



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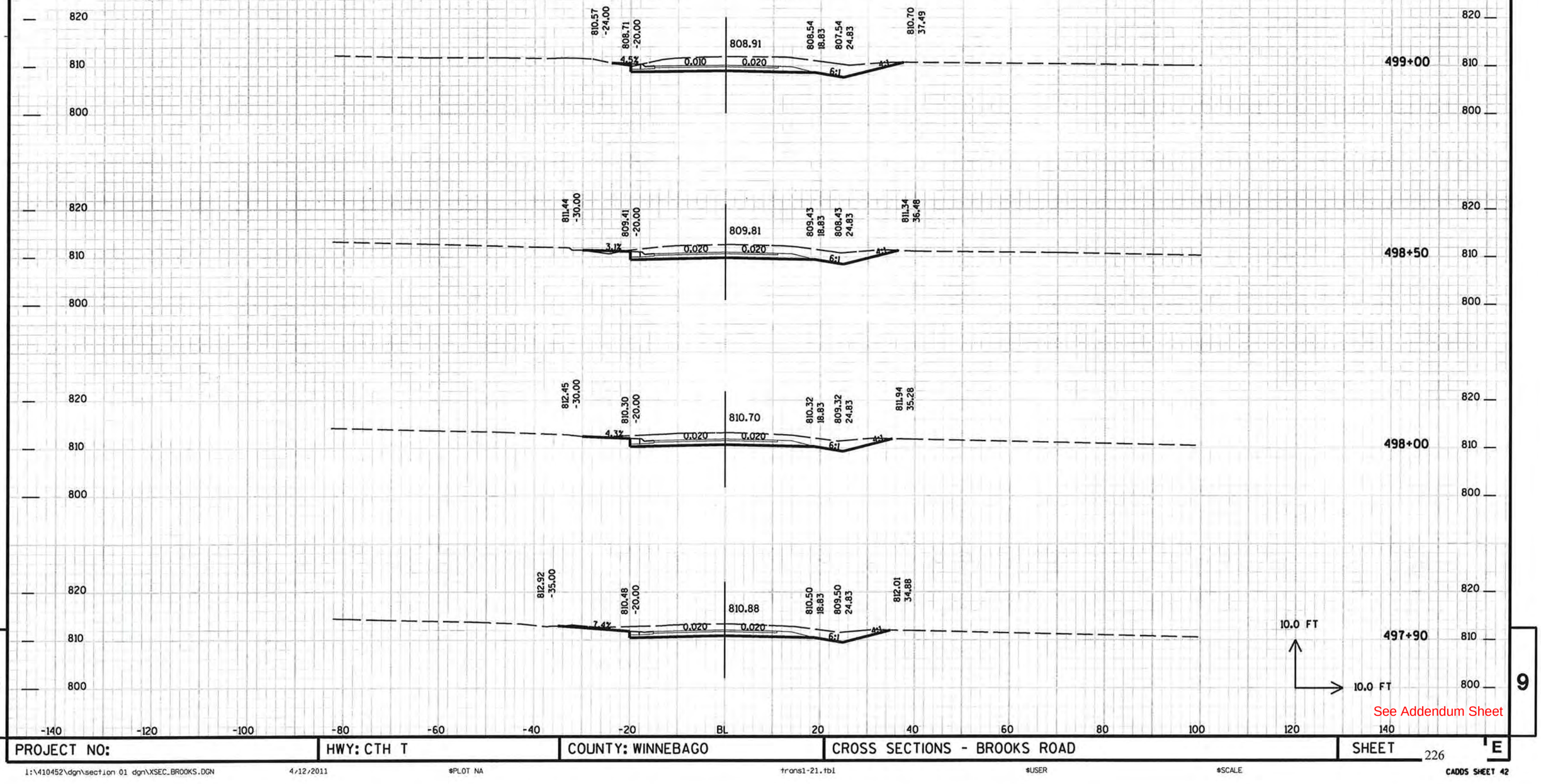
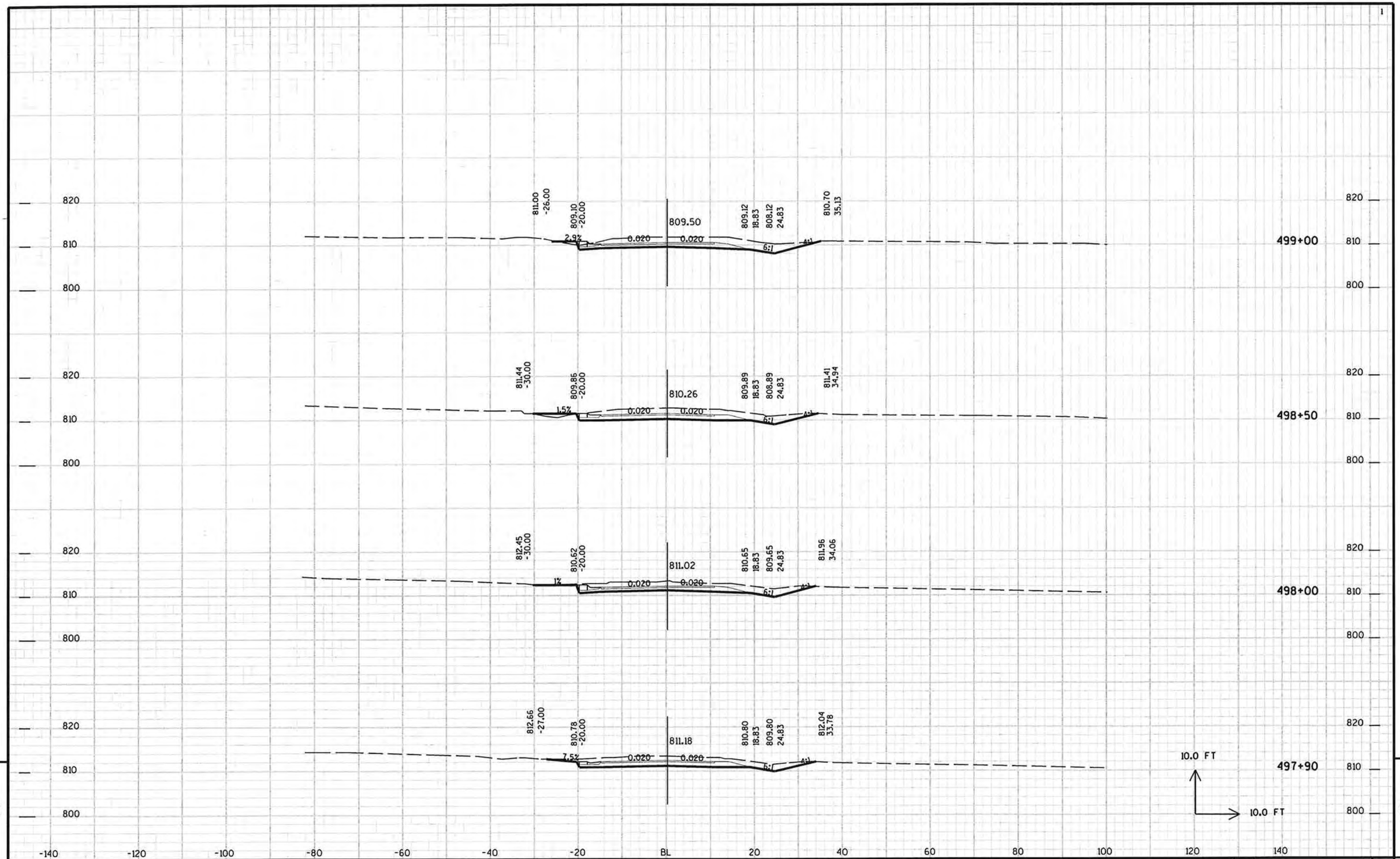
See Addendum Sheet

PROJECT NO:	HWY: CTH T	COUNTY: WINNEBAGO	CROSS SECTIONS - BROOKS ROAD	SHEET 225 E



See Addendum Sheet

PROJECT NO:	HWY: CTH T	COUNTY: WINNEBAGO	CROSS SECTIONS - BROOKS ROAD	SHEET 226 E



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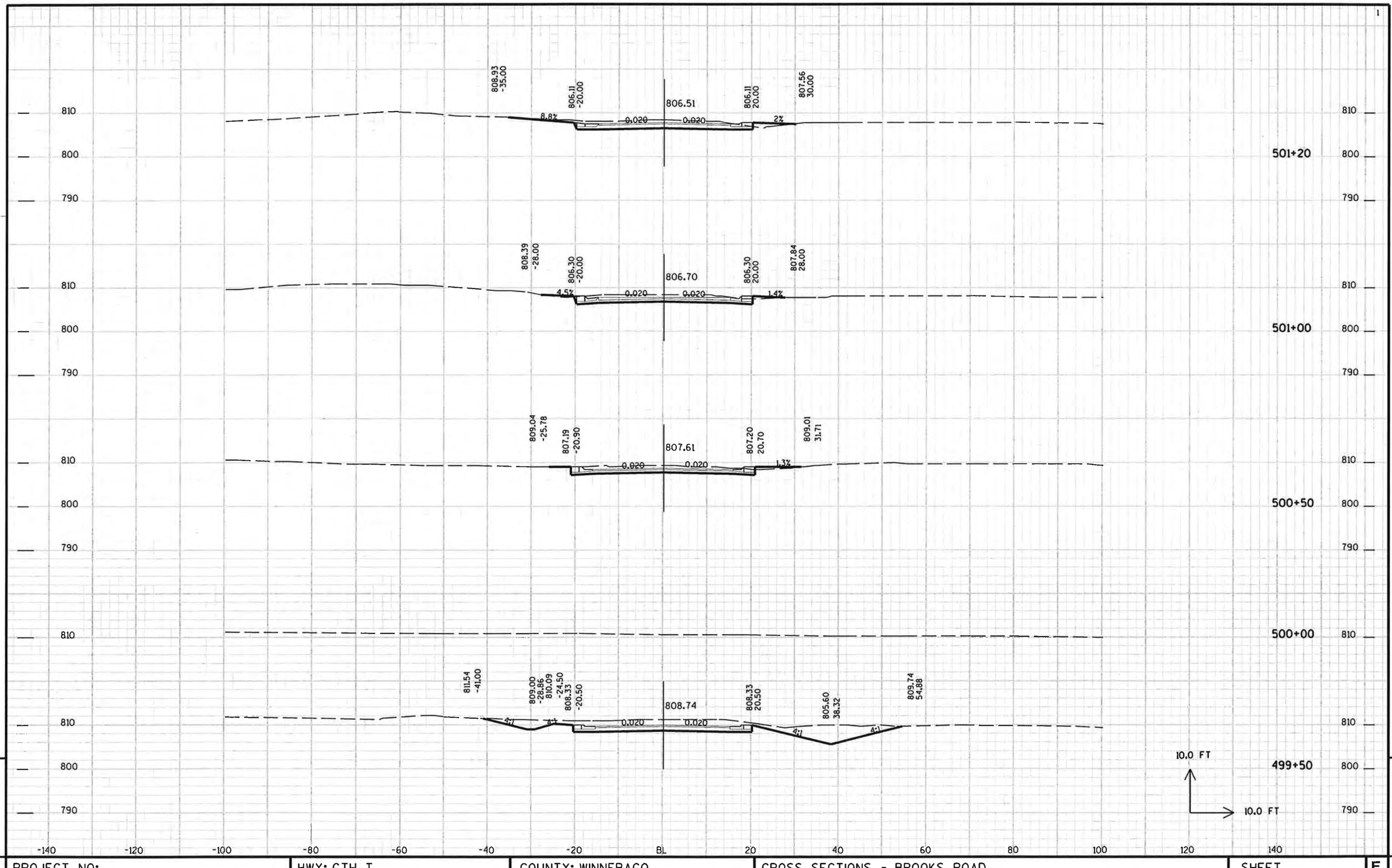
PROJECT NO:	HWY: CTH T	COUNTY: WINNEBAGO	CROSS SECTIONS - BROOKS ROAD	SHEET	E



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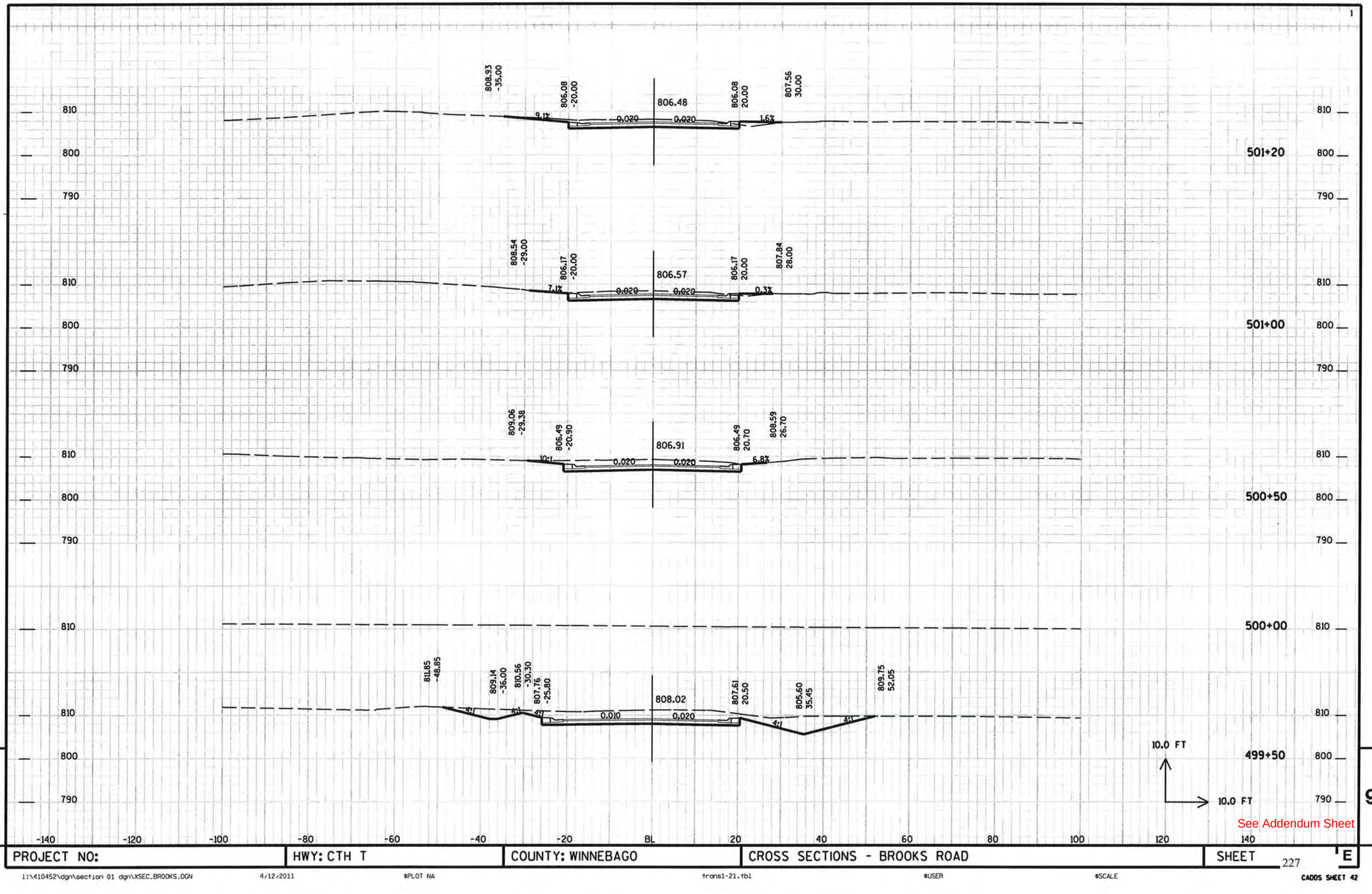
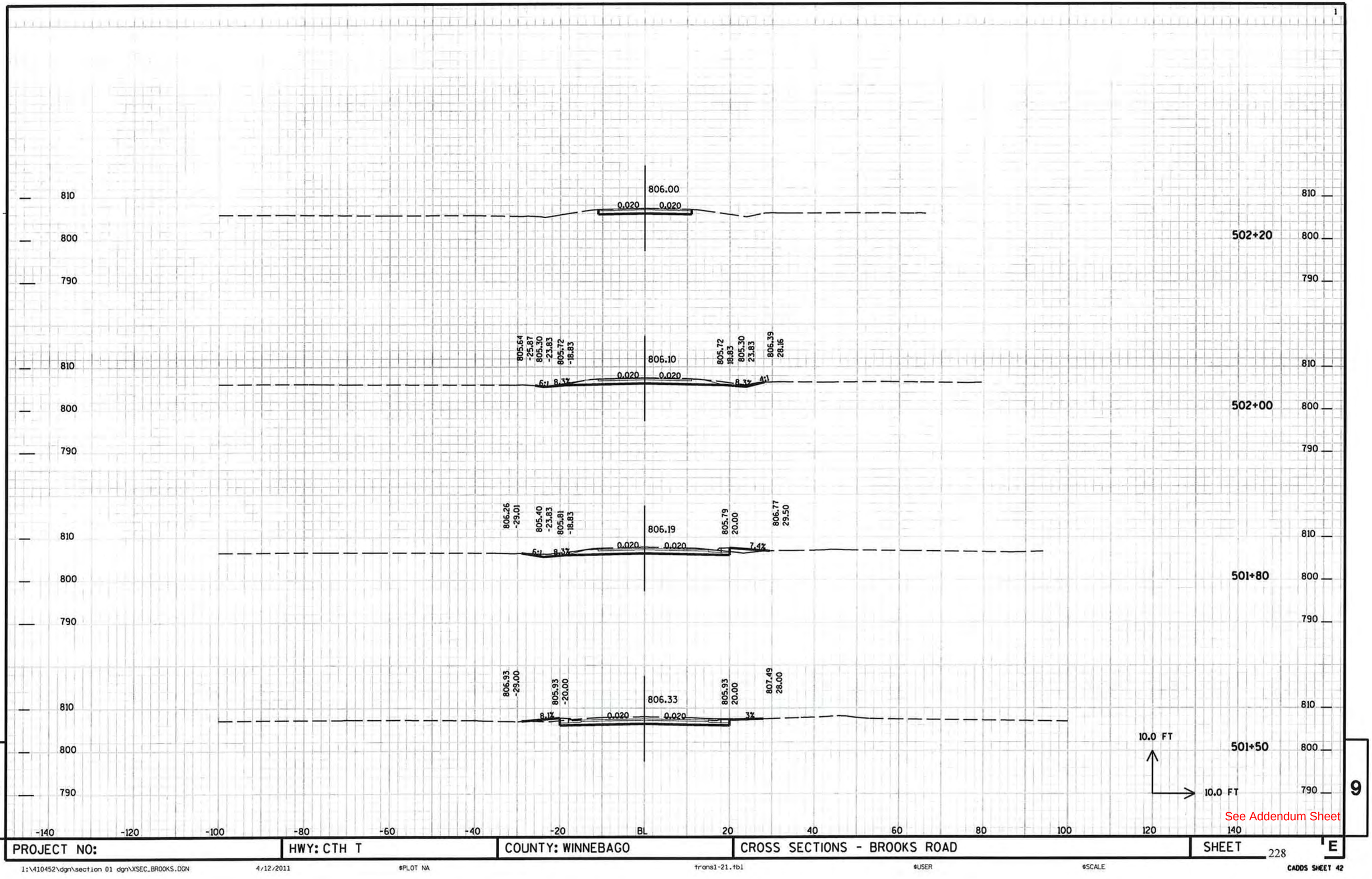
PROJECT NO:	HWY: CTH T	COUNTY: WINNEBAGO	CROSS SECTIONS - BROOKS ROAD	SHEET	E



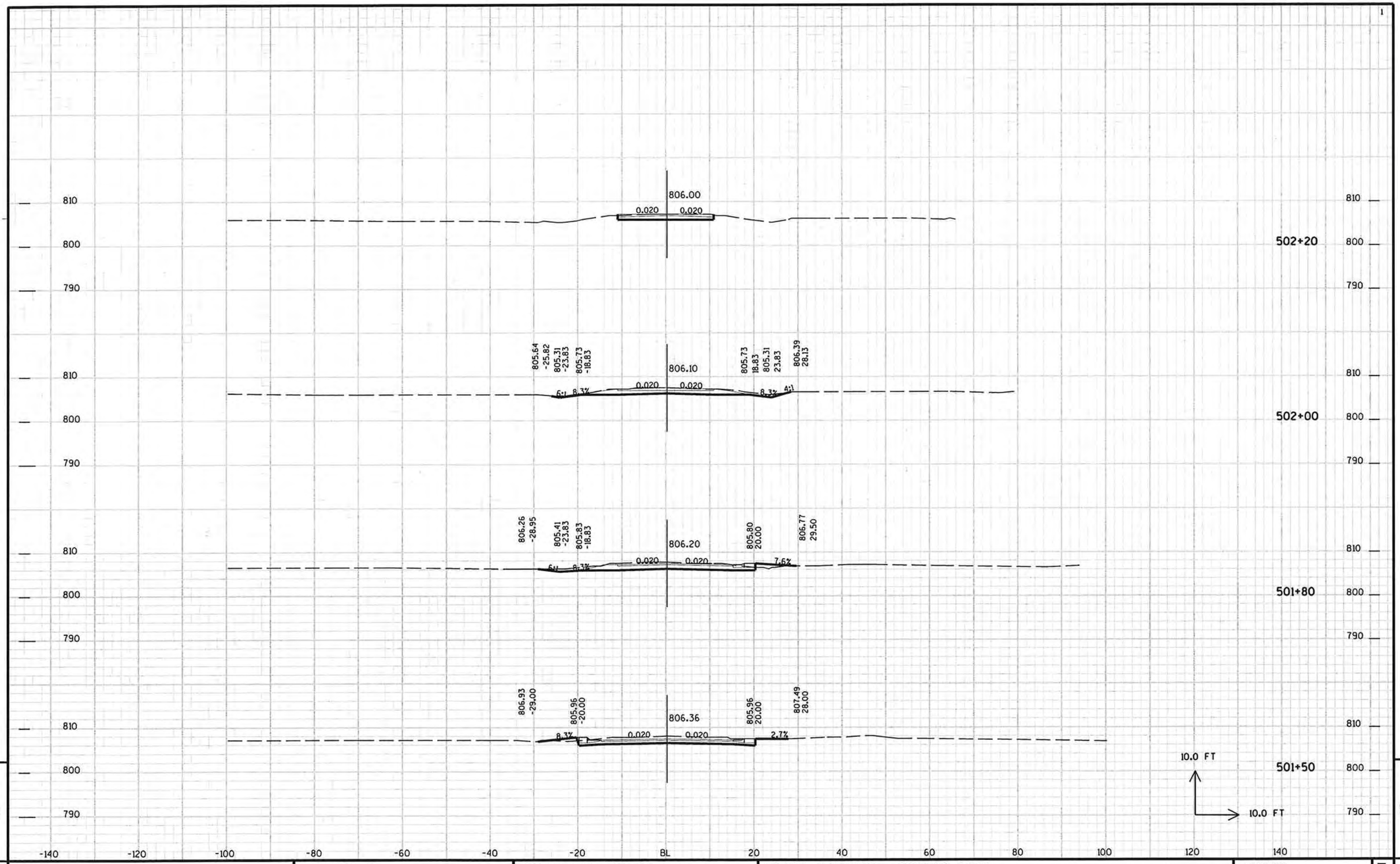
See Addendum Sheet

PROJECT NO:	HWY: CTH T	COUNTY: WINNEBAGO	CROSS SECTIONS - BROOKS ROAD	SHEET 227 E



See Addendum Sheet

PROJECT NO:	HWY: CTH T	COUNTY: WINNEBAGO	CROSS SECTIONS - BROOKS ROAD	SHEET 228 E



PROJECT NO:	HWY: CTH T	COUNTY: WINNEBAGO	CROSS SECTIONS - BROOKS ROAD	SHEET	E

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10.0 FT

10.0 FT

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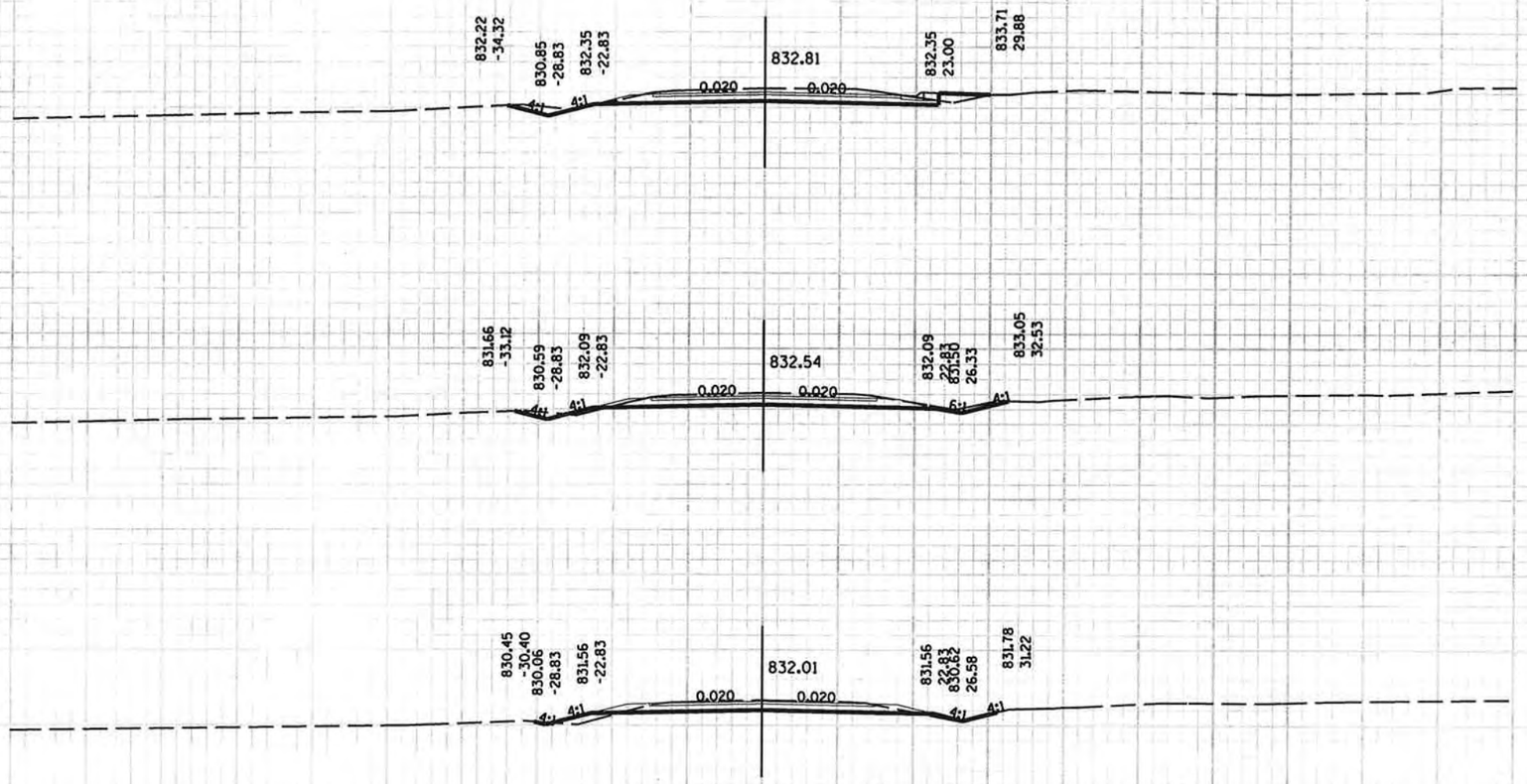
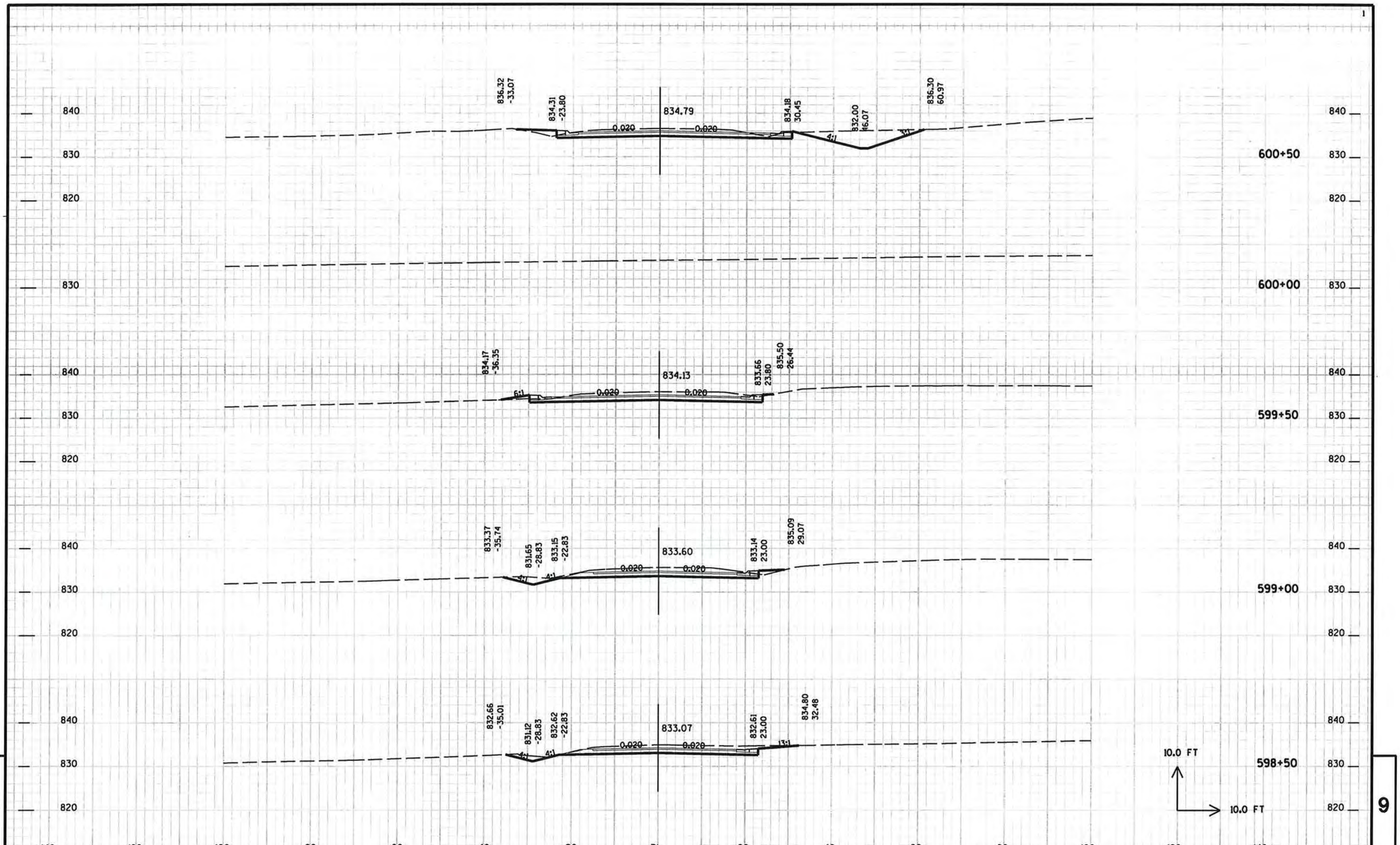
PROJECT NO:	HWY: CTH T	COUNTY: WINNEBAGO	CROSS SECTIONS - BROOKS ROAD	SHEET E

I:\410452\dgn\section 01 dgn\XSEC_BROOKS.DGN 4/12/2011 $PLOT NA transl-21.tbl $USER $SCALE CADDS SHEET 42



PROJECT NO:	HWY: CTH T	COUNTY: WINNEBAGO	CROSS SECTIONS - CTH GG	SHEET 230 E



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PROJECT NO:	HWY: CTH T	COUNTY: WINNEBAGO	CROSS SECTIONS - CTH GG	SHEET E

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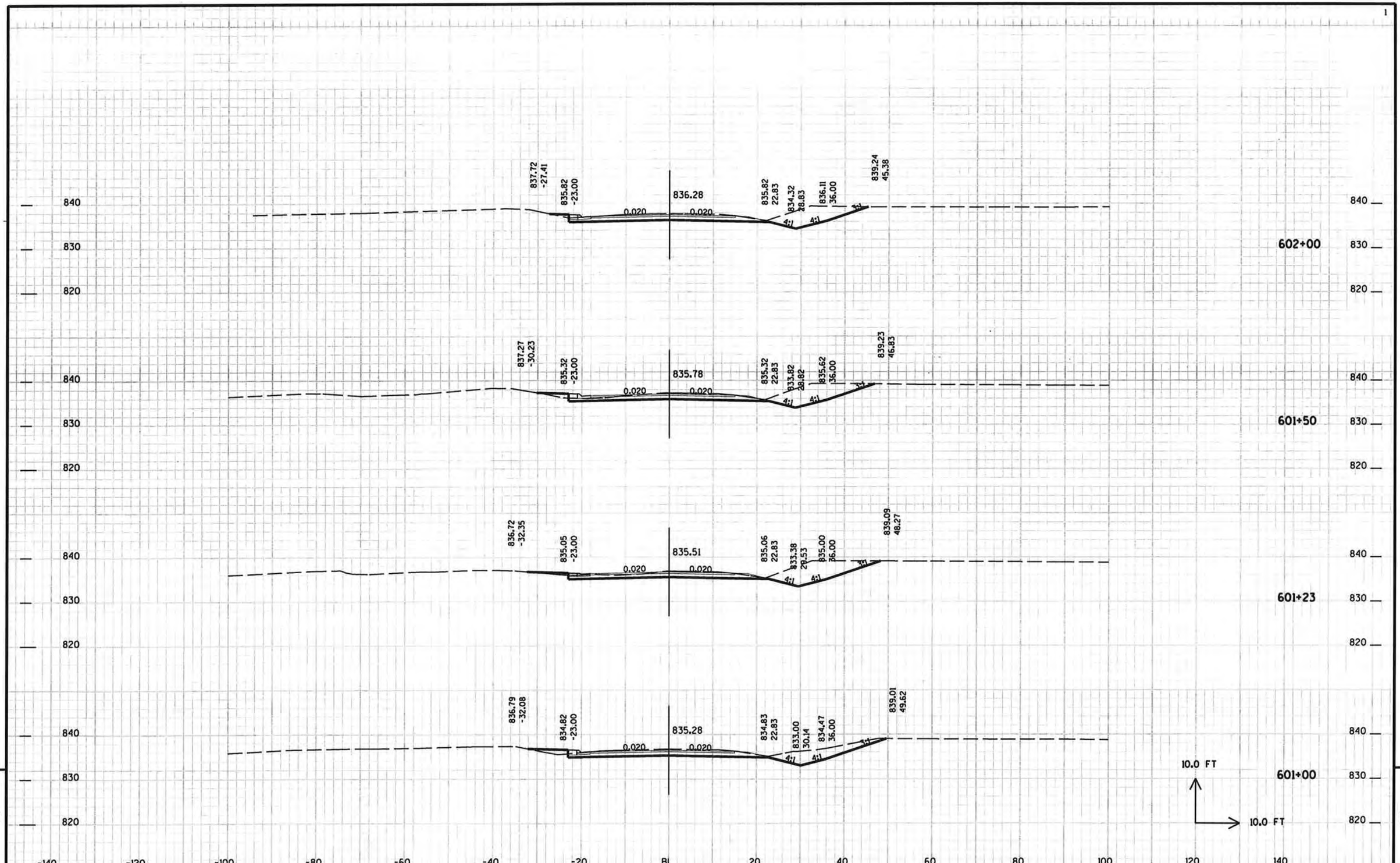
CADDS SHEET 42



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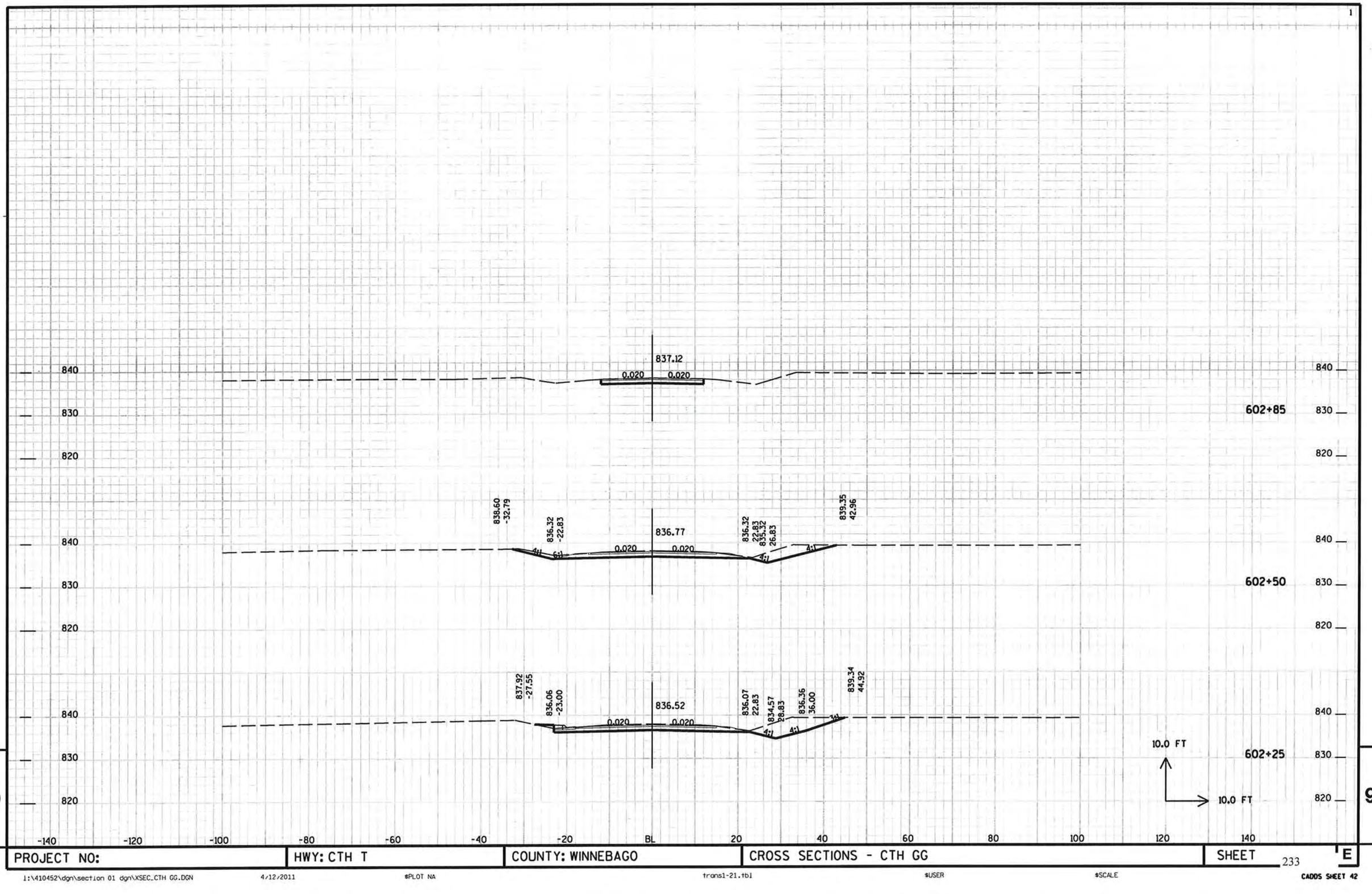
PROJECT NO:	HWY: CTH T	COUNTY: WINNEBAGO	CROSS SECTIONS - CTH GG	SHEET 232 E



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PROJECT NO:	HWY: CTH T	COUNTY: WINNEBAGO	CROSS SECTIONS - CTH GG	SHEET 233 E

9