NEL MAR 2015

PROJECT ID: 4160-05-71 / 4160-05-73

COUNTY: OUTAGAMIE

ORDER OF SHEETS

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

TOTAL SHEETS = 332

27

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED IMPROVEMENT

STATE PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
4160-05-71	WISC 2015140	1
4160-05-73	WISC 2015141	1

CTH CE, COLLEGE AVE & EISENHOWER DR

V KIMBERLY, T BUCHANAN

CTH CE

OUTAGAMIE COUNTY

STATE PROJECT NUMBER
4160-05-71

EISENHOWER DR, T BUCHANAN

THEATER WAY TO CTH CE

LOCAL STREET

OUTAGAMIE COUNTY

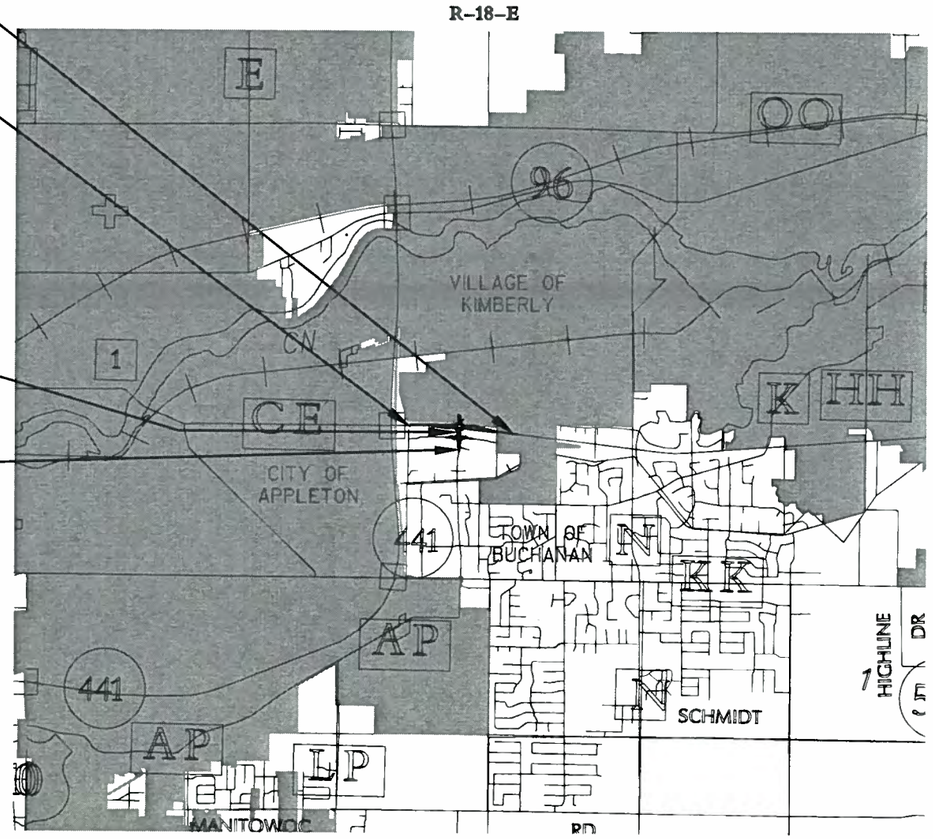
STATE PROJECT NUMBER
4160-05-73

END PROJECT 4160-05-71
STA 231'EB'+75.00

BEGIN PROJECT 4160-05-71
STA 201'EB'+92.24
Y = 561027.369
X = 841381.345

END PROJECT 4160-05-73
STA 306'NB'+75

BEGIN PROJECT 4160-05-73
STA 300'NB'+75.56
Y = 560191.718
X = 843096.937



DESIGN DESIGNATION

		CTH CE	EISENHOWER DR
A.A.D.T. (2015)	=	29,500	11,800
A.A.D.T. (2035)	=	39,200	18,200
D.H.V. (K100, 2035)	=	3800	1820
D.D.	=	58/42	58/42
T. (DHV)	=	5.3	3.5
DESIGN SPEED	=	45 MPH	40 MPH
ESALS	=	2,876,200	1,533,000

CONVENTIONAL SYMBOLS

PLAN
- 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

LAYOUT

SCALE 0 1/2 MI. 1 MI.

TOTAL NET LENGTH OF CENTERLINE (4160-05-71) = 0.565 MI.
TOTAL NET LENGTH OF CENTERLINE (4160-05-73) = 0.088 MI.

COORDINATES ON THIS PLAN ARE REFERENCED TO THE WISCONSIN COUNTY COORDINATE SYSTEM (WCCS), OUTAGAMIE COUNTY, NAD 1983 (91)

ELEVATIONS SHOWN ON THIS PLAN ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 NAVD 88 (91)

ACCEPTED FOR
OUTAGAMIE COUNTY
10-13-14 (Date) Highway Commissioner (Signature & Title of Official)

ACCEPTED FOR
TOWN of BUCHANAN
TOWN CHAIR
10-13-14 (Date) (Signature & Title of Official)

ORIGINAL PLANS PREPARED BY
OMNNI ASSOCIATES
MICHAEL A. MALCOLM E-30025 Appleton, WI PROFESSIONAL ENGINEER
10-13-14

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PREPARED BY

Surveyor	OMNNI ASSOCIATES, INC.
Designer	OMNNI ASSOCIATES, INC.
Management Consultant	SHORT ELLIOT HENDRICKSON, INC.
C.O. Examiner	

APPROVED FOR THE DEPARTMENT
DATE: 10/13/14 (Management Consultant Signature)

E

FILE NAME : F:\TR\JOBS\E1887A09\CIVIL 3D 2012\SHEETSPLAN\416005_010101_TI.DWG
416005 010101 ti

PLOT DATE : 9/30/2014 11:16 AM PLOT BY : DAN MLEZIVA PLOT NAME :

WISDOT/CADDS SHEET 15

GENERAL NOTES

LOCATIONS 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.

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

EXCAVATION BELOW SUBGRADE (EBS) SHOWN ON THE CROSS SECTIONS WILL BE MEASURED AND PAID FOR AS COMMON EXCAVATION. ANTICIPATED EBS IS SHOWN ON THE PLANS, HOWEVER THE ACTUAL LIMITS AND DEPTH OF ANY EBS WILL BE DETERMINED BY THE ENGINEER IN THE FIELD.

ALL DISTURBED AREAS NOT OTHERWISE SURFACED ARE TO BE TOPSOILED, FERTILIZED, SEEDED AND E-MATTED.

ALL MANHOLE AND INLET OFFSETS ARE GIVEN TO THE CENTER OF THE STRUCTURE.

ELEVATIONS OF STORM SEWER STRUCTURES REFER TO THE CENTER OF STRUCTURE FOR MANHOLES AND INLETS. ADD 0.09' TO CENTER OF INLET ELEVATION FOR FLANGELINE ELEVATION.

ANY TEMPORARY CONNECTIONS OF EXISTING STORM SEWER WILL BE CONSIDERED INCIDENTAL TO OTHER STORM SEWER ITEMS.

THE COST OF CONNECTING NEW STORM SEWERS OR DRAINAGE STRUCTURES TO THE EXISTING STORM SEWER SHALL BE INCIDENTAL TO THE COST OF THE STORM SEWER.

CURB AND GUTTER RADII ARE SHOWN TO THE FACE OF CURB.

ALL CURB RAMPS SHALL BE TYPE 2 UNLESS NOTED OTHERWISE.

CURB RAMP OPENINGS AS SHOWN ON THE PLANS SHALL BE VERIFIED BY THE ENGINEER IN THE FIELD.

USE 8" BASE AGGREGATE DENSE 1 1/4-INCH UNDER CONCRETE AND ASPHALT DRIVES AND PARKING LOTS.

REMOVAL OF ANY MESH OR REINFORCEMENT FOUND IN CONCRETE PAVEMENT SHALL BE CONSIDERED INCIDENTAL TO THE REMOVING PAVEMENT ITEM.

REMOVING CONCRETE DRIVES WILL BE PAID FOR UNDER THE ITEM REMOVING CONCRETE SIDEWALK.

ADDITIONAL DOWEL BARS AND CONTRACTION JOINT DOWEL ASSEMBLIES REQUIRED TO MATCH MANHOLES, INLETS, AND SIDE ROAD INTERSECTIONS SHALL BE INCIDENTAL TO THE CONCRETE PAVEMENT BID ITEM.

ALL 8-INCH CONCRETE SIDEWALK LOCATED IN THE COMMERCIAL DRIVEWAYS SHALL BE PAID FOR AS 8-INCH CONCRETE DRIVEWAY.

THE LOCATIONS AND LIMITS OF PRIVATE ENTRANCES, FIELD ENTRANCES AND COMMERCIAL ENTRANCES SHALL BE VERIFIED BY THE ENGINEER IN THE FIELD.

BEYOND THE RIGHT-OF-WAY, DRIVEWAYS SHALL BE REPLACED IN KIND . BASE AGGREGATE WILL BE USED UNDER ALL DRIVEWAYS AND SIDEWALK.

ALL CONCRETE MEDIAN NOSES SHALL BE SLOPED AND CONSTRUCTED AS SHOWN IN THE STANDARD DETAIL DRAWING.

WHERE SLOPE INTERCEPT LINES FALL OUTSIDE OF THE EXISTING RIGHT-OF-WAY, TEMPORARY INTERESTS TO ACCOMPLISH CONSTRUCTION WORK WITHIN THE SLOPE INTERCEPTS HAVE BEEN OBTAINED. THESE RIGHTS ARE EXTENDED TO THE CONTRACTOR.

IMMEDIATELY AFTER CONSTRUCTION OF ANY INLET, CONTRACTOR SHALL CONSTRUCT THE EROSION CONTROL PROTECTION IN ACCORDANCE WITH THE DETAILS SHOWN ON THE PLANS TO MINIMIZE SEDIMENTATION IN THE INLET AND STORM SEWER.

USE NO. 30 SEED MIXTURE ALONG RURAL SECTIONS OF CTH CE. USE NO. 40 SEED MIXTURE ON ALL OTHER PROJECT AREAS.

THE LOCATIONS OF ALL EROSION CONTROL ITEMS SHALL BE VERIFIED BY THE ENGINEER IN THE FIELD.

DISTANCES SHOWN ON THIS PLAN ARE GROUND DISTANCES.

EROSION CONTROL NOTES

RUNOFF COEFFICIENT FOR THIS PROJECT: EXISTING PAVEMENT 0.95, EXISTING SLOPES 0.30, NEW PAVEMENT 0.95, NEW SLOPES 0.30.

TOTAL PROJECT AREA = 19.7 ACRES
TOTAL AREA EXPECTED TO BE DISTURBED BY CONSTRUCTION ACTIVITIES =12.6 ACRES

ORDER OF "SECTION 2" SHEETS

SHEET TITLE

GENERAL NOTES
PROJECT OVERVIEW
TYPICAL SECTIONS
CONSTRUCTION DETAILS
PAVING DETAILS
EROSION CONTROL PLAN
STORM SEWER
PERMANENT SIGNING
PAVEMENT MARKING
TRAFFIC CONTROL PLAN

UTILITIES

ELECTRIC	WE ENERGIES - ELECTRIC OPERATIONS 800 S LYNNDALE DR APPLETON, WI 54912 ATTN: KEN VAN OSS TELEPHONE: 920-380-3318 EMAIL: kenneth.van-oss@we-energies.com WE ENERGIES ELECTRIC DISPATCH TELEPHONE: 1-800-662-4797
COMMUNICATIONS	AT&T WISCONSIN 221 WEST WASHINGTON STREET - 4TH FLOOR APPLETON, WI 54911 ATTN: JOE KASSAB TELEPHONE: 920-202-4002 CELLPHONE: 920-735-3200 EMAIL: jk572k@att.com
COMMUNICATIONS	TIME WARNER CABLE 3520 DESTINATION DRIVE APPLETON, WI 54915 ATTN: VINCE ALBIN TELEPHONE: 920-378-0444 EMAIL: vince.albin@twcable.com
COMMUNICATIONS	TDS METROCOM 10 COLLEGE AVENUE SUITE 218A APPLETON, WI 54911 ATTN: STEVE JAKUBIEC TELEPHONE: 920-882-4166 MOBILE: 920-562-7221 NET LEC, LLC ATTN: RICK VINCENT TELEPHONE: 920-617-7316
GAS	WE ENERGIES - GAS 800 S LYNNDALE DR APPLETON, WI 54912 ATTN: ZACH DUGA TELEPHONE: 920-380-3458 EMAIL: zachery.duga@we-energies.com WE ENERGIES GAS DISPATCH TELEPHONE: 1-800-261-5325

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

UTILITIES - CONTINUED

SANITARY SEWER & WATERMAINS	DARBOY JOINT SANITARY DISTRICT NO. 1 N398 CTH N APPLETON, WI 54915 ATTN: STEVE LAMERS TELEPHONE: 920-419-2612 VILLAGE OF KIMBERLY 515 W KIMBERLY AVE KIMBERLY, WI 54136 ATTN: DAVE VANDER VELDEN (SANITARY SEWER) TELEPHONE: 920-788-7507 EMAIL: dvandervelden@vokimberly.org ATTN: JERRY VERSTEGEN (WATER) TELEPHONE: 920-858-7477 EMAIL: water@vokimberly.org

OTHER CONTACTS

DNR LIAISON	JAMES P. DOPERALSKI JR. DEPARTMENT OF NATURAL RESOURCES 2984 SHAWANO AVENUE PO BOX 10448 GREEN BAY, WI 54307 TELEPHONE: 920-662-5119
DIGGERS HOTLINE	CABLE LOCATE TELEPHONE: (800) 242-8511 (TOLL FREE)
OUTAGAMIE COUNTY	AL GEURTS 1313 HOLLAND ROAD APPLETON, WI 54914 TELEPHONE: 920-832-5673 EMAIL: al.geurts@outagamie.org
VILLAGE OF KIMBERLY	ADAM HAMMATT 515 W. KIMBERLY AVE KIMBERLY, WI 54136 TELEPHONE: 920-788-7500 EMAIL: ahammatt@vokimberly.org
TOWN OF BUCHANAN	JOEL GREGOZESKI N178 COUNTY RD N APPLETON, WI 54915 TELEPHONE: 920-734-8599 EMAIL: joelg@townofbuchanan.org

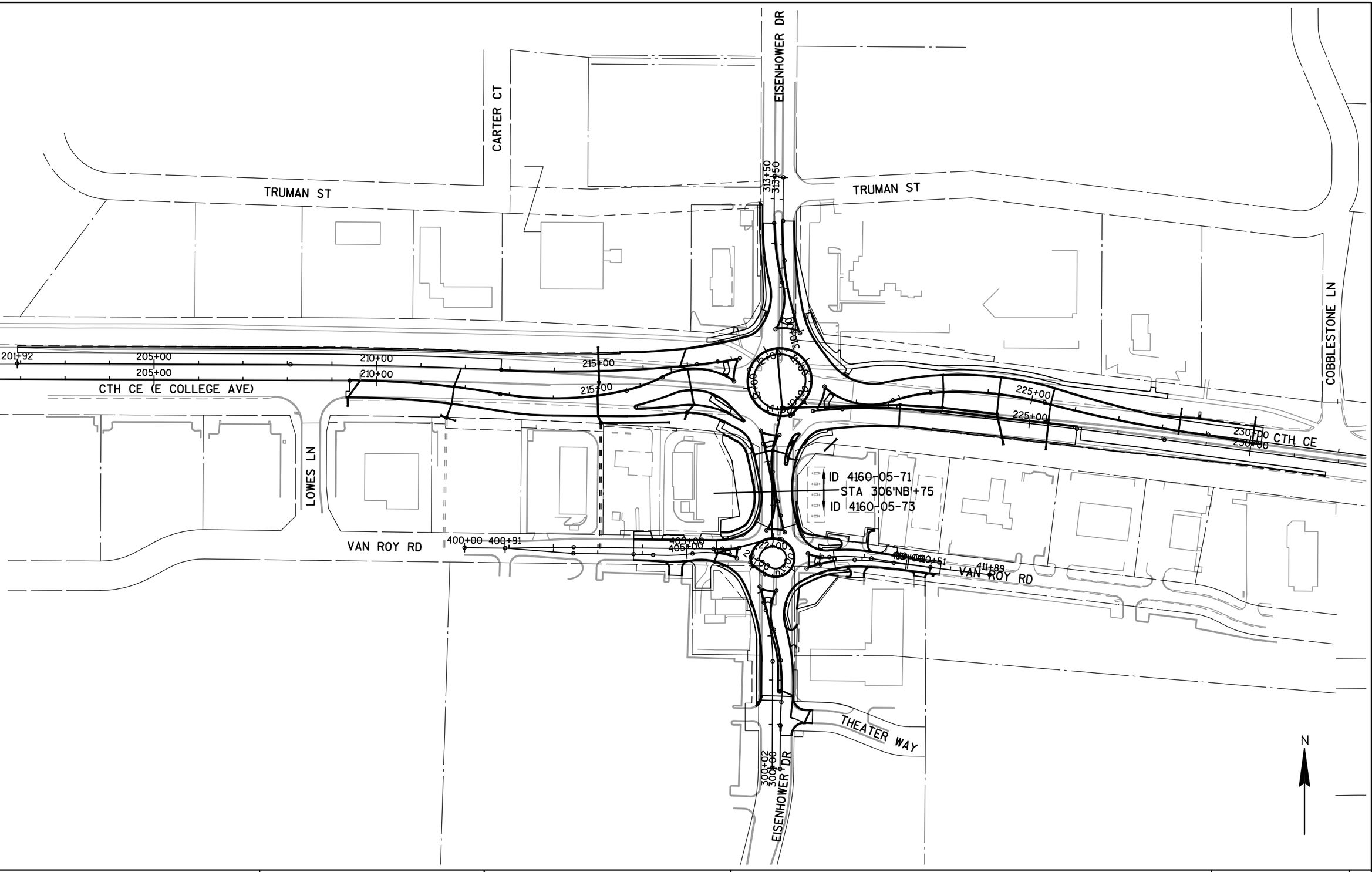
ABBREVIATIONS

AC	Acre
AGG	Aggregate
ASPH	Asphaltic
AVG	Average
BM	Bench Mark
CB	Catch Basin
CL	Center Line
Δ	Central Angle or Delta
CH	Chord
CONC	Concrete
CB#	Control Base
CABC	Crushed Aggregate Base Course
CY	Cubic Yard
CULV	Culvert
C & G	Curb and Gutter
D	Degree of Curve
DHV	Design Hour Volume
DIA	Diameter
DWY	Driveway
EB	Eastbound
ELEC	Electric (al)
ESALS	Equivalent Single Axle Loads
EBS	Excavation Below Subgrade
FERT	Fertilize
FT	Foot
GAL	Gallon
GRAV	Gravel
HES	High Early Strength
CWT	Hundredweight
HYD	Hydrant
ID	Inch Diameter
INL	Inlet
INV	Invert
IP	Iron Pipe or Pin
LT	Left
L	Length of Curve
LF	Linear Foot
LS	Lump Sum
MH	Manhole
OD	Outside Diameter
PCC	Point of Compound Curve
PC	Point of Curvature
PVC	Polyvinyl Chloride
PCC	Portland Cement Concrete
PL	Property Line
RL or R/L	Reference Line
REBAR	Reinforcement Bar
REQD	Required
RT	Right
R/W	Right-of-Way
SW	Sidewalk
SB#	Signal Base
SF	Square Feet
SY	Square Yard
SDD	Standard Detail Drawings
STA	Station
SS	Storm Sewer
TEL	Telephone
TLE	Temporary Limited Easement
TYP	Typical
VERT	Vertical
VPC	Vertical Point of Curve
VPI	Vertical Point of Intersection
VPT	Vertical Point of Tangency
VIT	Vitrified
VOL	Volume
WV	Water Valve
WB	Westbound
YD	Yard

2

2

2



PROJECT NO: 4160-05-71 / 4160-05-73	HWY: CTH CE	COUNTY: OUTAGAMIE	PROJECT OVERVIEW	SHEET 4	E

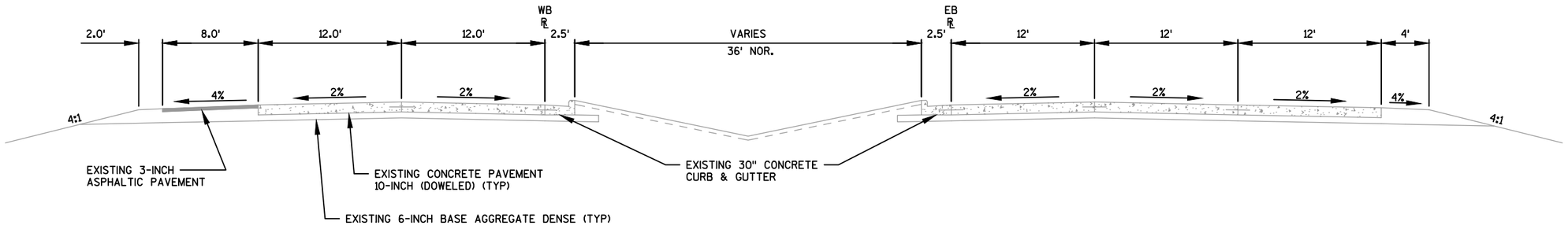
FILE NAME : F:\TR\JOBS\E1887A09\CIVIL 3D 2012\SHEETSPLAN\416005_020201_PO.DWG
416005_020201_po

PLOT DATE : 8/21/2014 9:39 AM

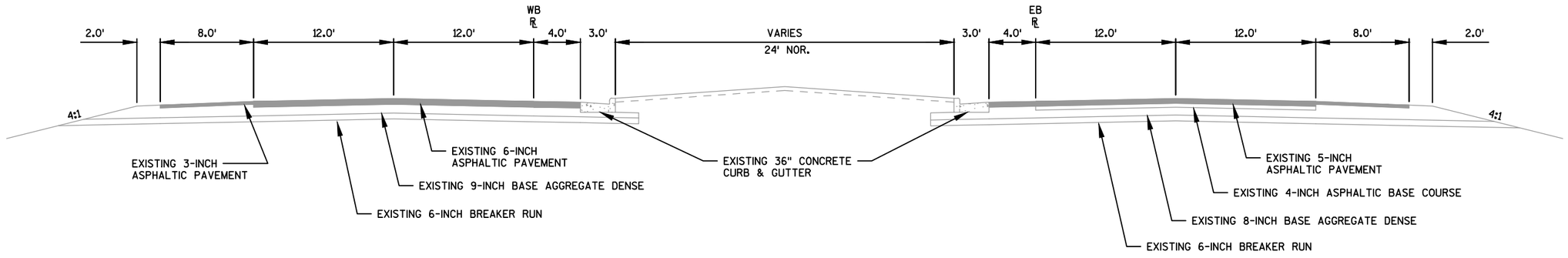
PLOT BY : OMNNI ASSOCIATES, INC - DAVE PERRY

WISDOT/CADDS SHEET 42

2



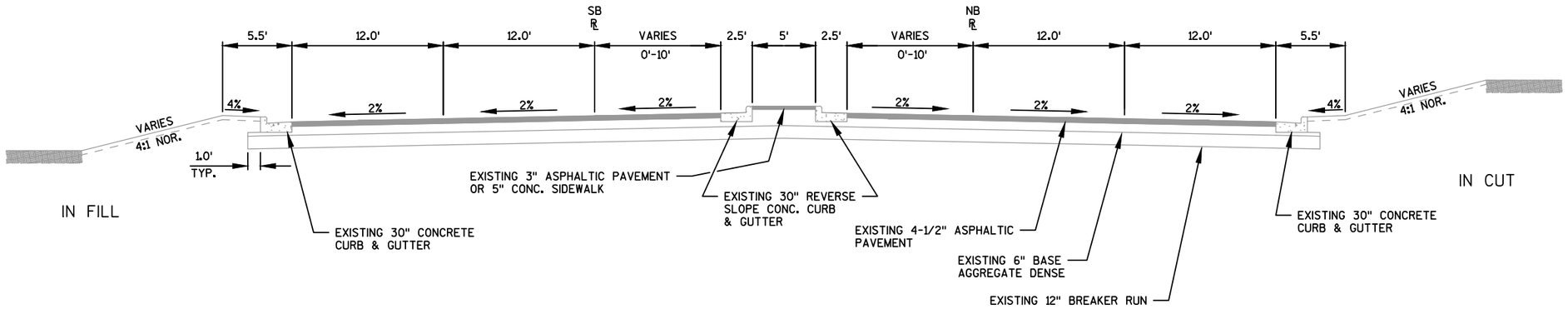
TYPICAL EXISTING SECTION FOR CTH CE
STA 201+93.19 TO EISENHOWER DRIVE



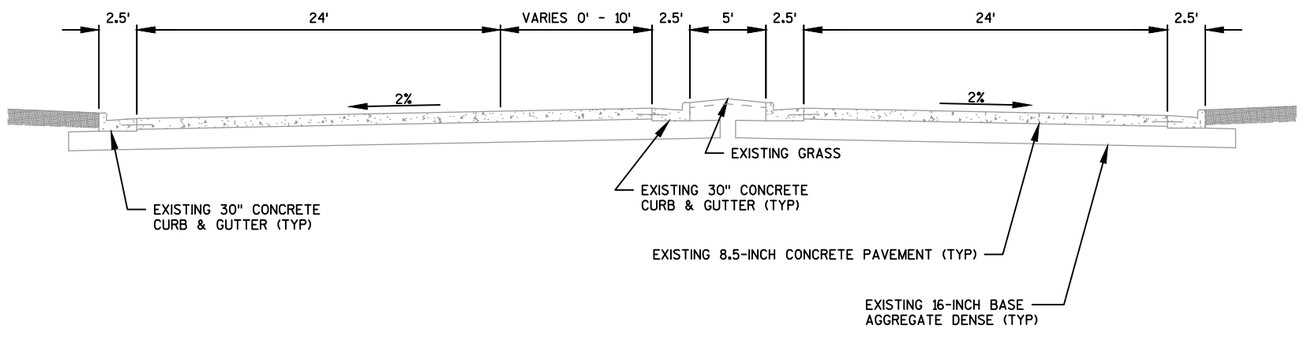
TYPICAL EXISTING SECTION FOR CTH CE
EISENHOWER DRIVE TO 231+75

PROJECT NO: 4160-05-71/ 4160-05-73	HWY: CTH CE	COUNTY: OUTAGAMIE	TYPICAL SECTIONS	SHEET 5	E

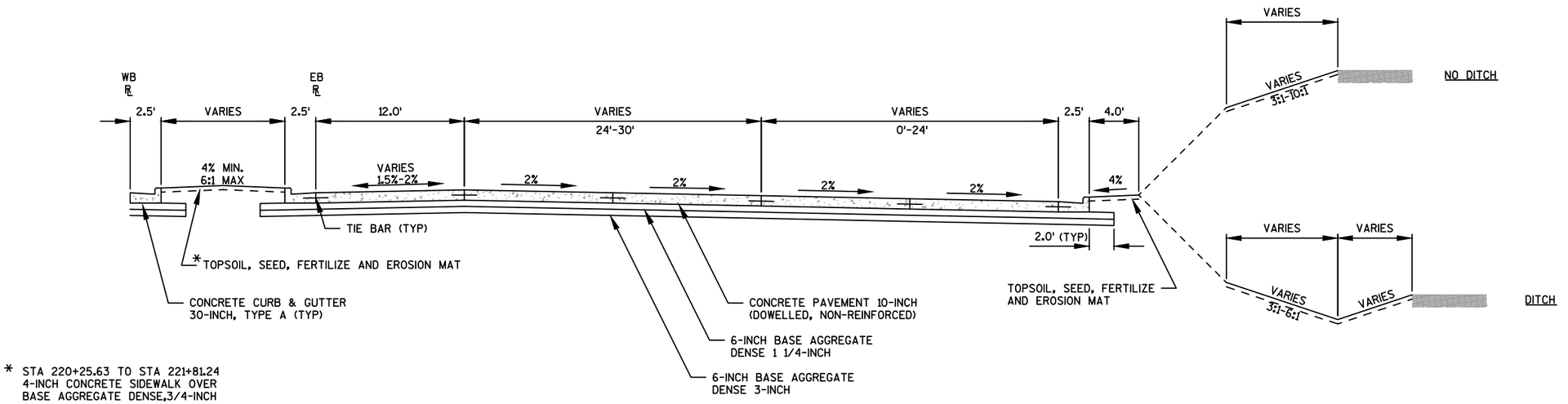
2



TYPICAL EXISTING SECTION FOR EISENHOWER DRIVE
SOUTH OF CTH CE



TYPICAL EXISTING SECTION FOR EISENHOWER DRIVE
NORTH OF CTH CE

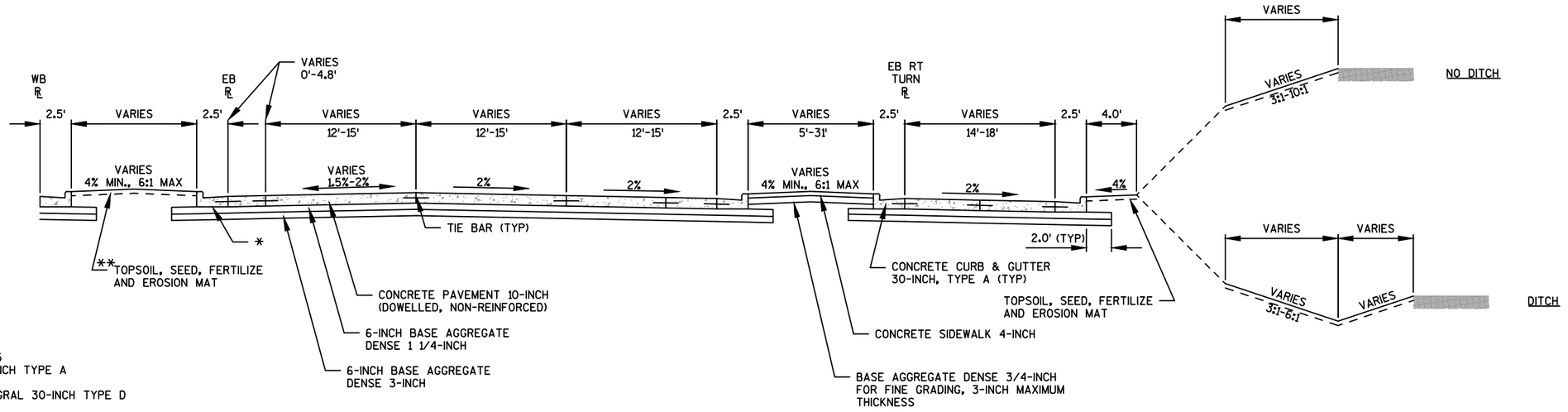


* STA 220+25.63 TO STA 221+81.24
4-INCH CONCRETE SIDEWALK OVER
BASE AGGREGATE DENSE,3/4-INCH
FOR FINE GRADING, 3-INCH MAXIMUM
THICHNESS

TYPICAL FINISHED SECTION FOR CTH CE EASTBOUND
STA 209+39.96 TO STA 215+80.27
STA 220+25.63 TO STA 222+84.10

PROJECT NO: 4160-05-71/ 4160-05-73	HWY: CTH CE	COUNTY: OUTAGAMIE	TYPICAL SECTIONS	SHEET 7	E

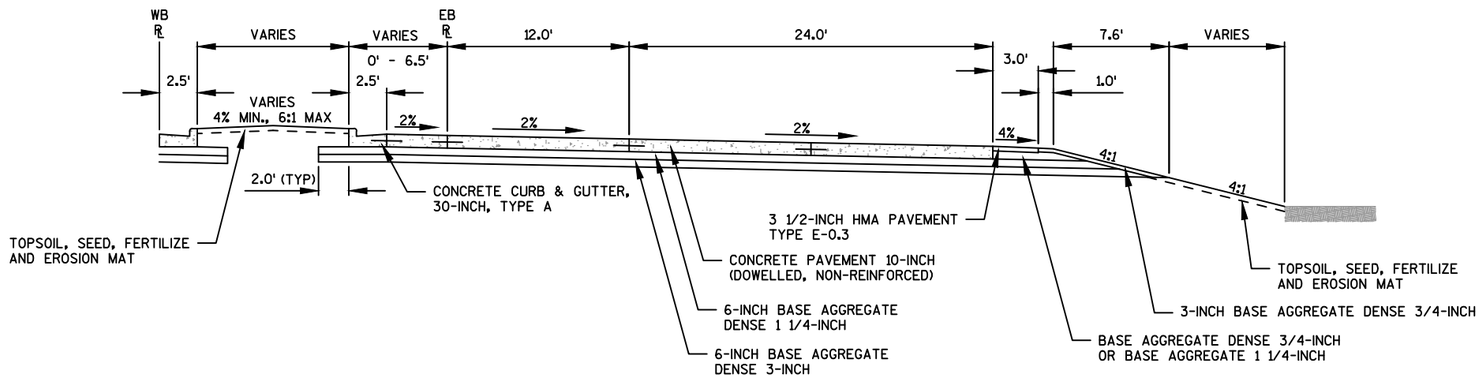
2



* STA 215+80.27 TO STA 217+13.75
CONCRETE CURB & GUTTER 30-INCH TYPE A
STA 217+13.75 TO STA 218+13.80
CONCRETE CURB & GUTTER INTEGRAL 30-INCH TYPE D

** STA 216+75.31 TO STA 218+13.80
4-INCH CONCRETE SIDEWALK OVER
BASE AGGREGATE DENSE 3/4-INCH
FOR FINE GRADING, 3-INCH MAXIMUM
THICKNESS

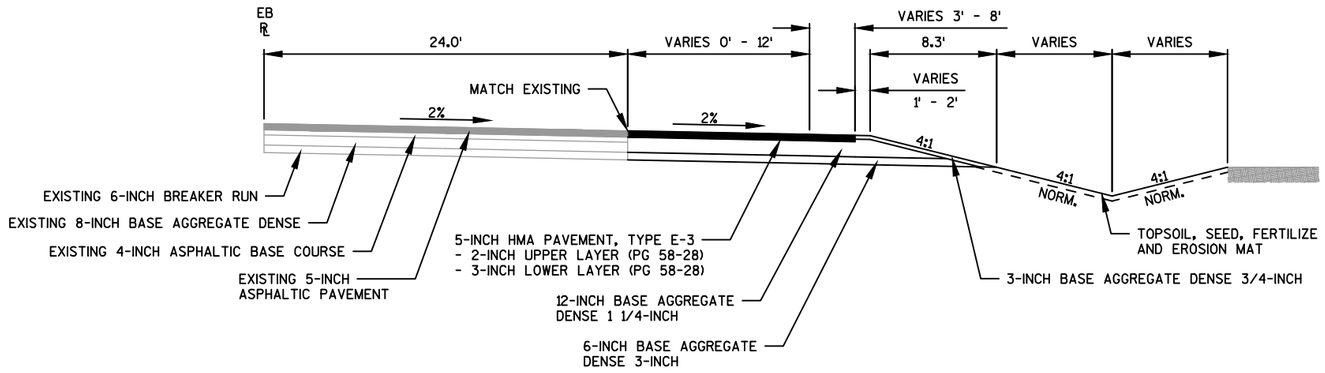
TYPICAL FINISHED SECTION FOR CTH CE EASTBOUND
STA 215+80.27 TO STA 218+13.80



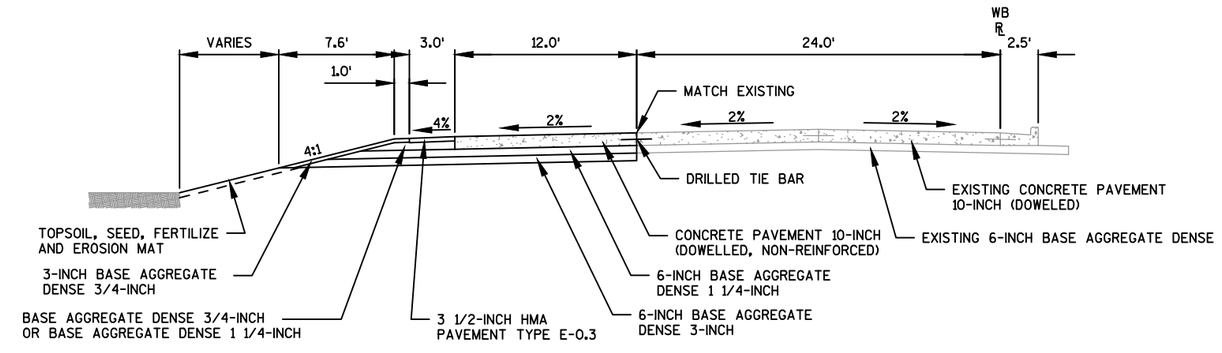
TYPICAL FINISHED SECTION FOR CTH CE EASTBOUND
STA 222+84.10 TO STA 226+07.54

PROJECT NO: 4160-05-71/ 4160-05-73	HWY: CTH CE	COUNTY: OUTAGAMIE	TYPICAL SECTIONS	SHEET 8	E

2

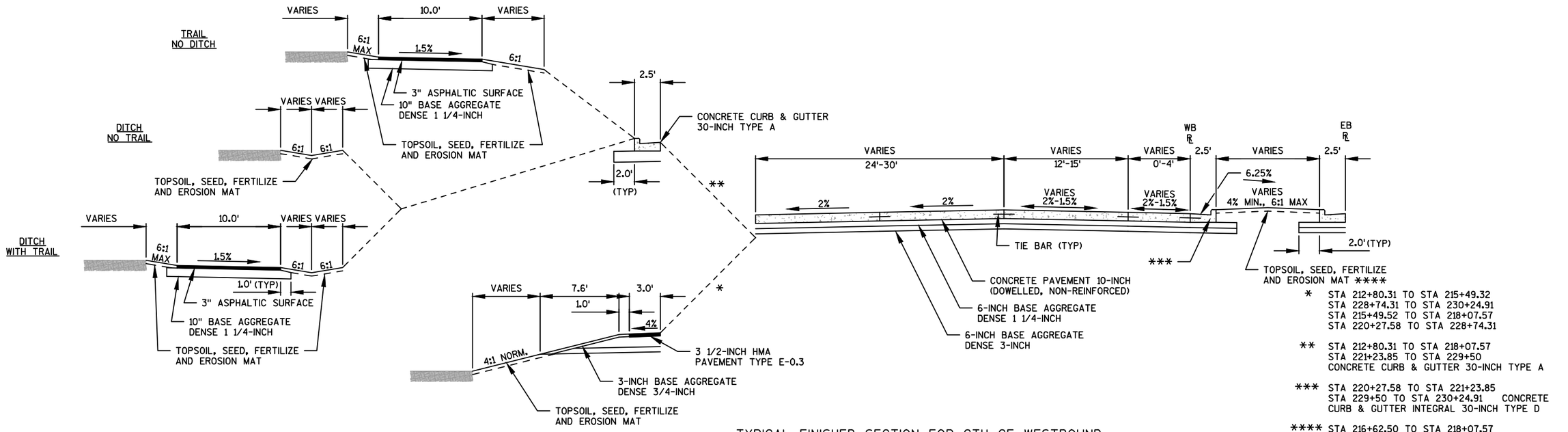


TYPICAL FINISHED SECTION FOR CTH CE EASTBOUND
STA 226+07.54 TO STA 231+75



TYPICAL FINISHED SECTION FOR CTH CE WESTBOUND
STA 201+93.19 TO STA 212+80.31

2



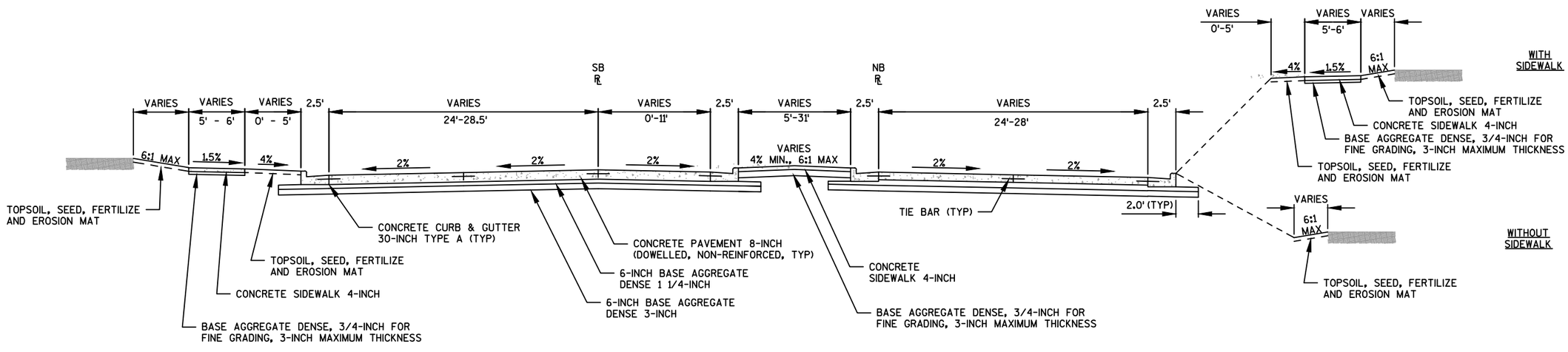
* STA 212+80.31 TO STA 215+49.32
STA 228+74.31 TO STA 230+24.91
STA 215+49.52 TO STA 218+07.57
STA 220+27.58 TO STA 228+74.31

** STA 212+80.31 TO STA 218+07.57
STA 221+23.85 TO STA 229+50
CONCRETE CURB & GUTTER 30-INCH TYPE A

*** STA 220+27.58 TO STA 221+23.85
STA 229+50 TO STA 230+24.91 CONCRETE
CURB & GUTTER INTEGRAL 30-INCH TYPE D

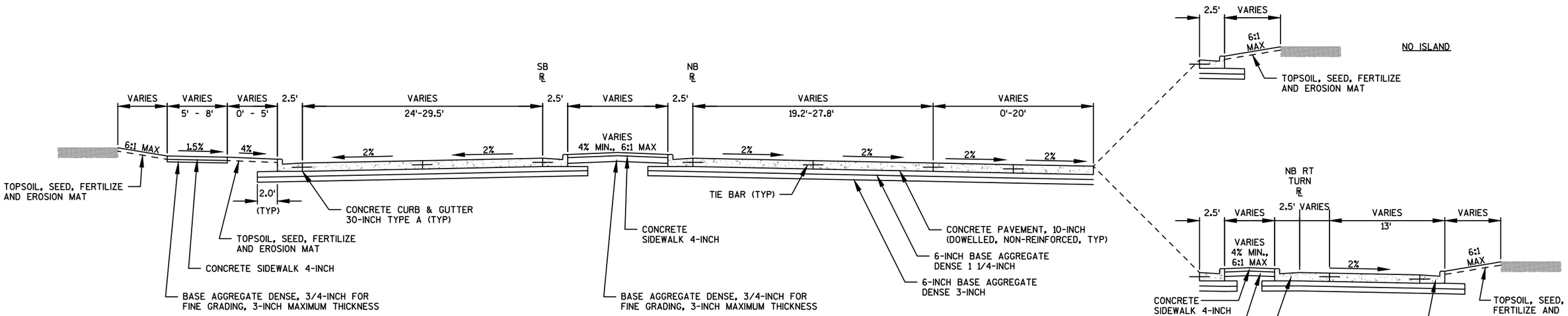
**** STA 216+62.50 TO STA 218+07.57
STA 220+27.58 TO STA 221+73.11
4-INCH CONCRETE SIDEWALK OVER
BASE AGGREGATE DENSE 3/4-INCH
FOR FINE GRADING, 3-INCH MAXIMUM
THICKNESS

TYPICAL FINISHED SECTION FOR CTH CE WESTBOUND
STA 212+80.31 TO STA 218+07.57
STA 220+27.58 TO STA 230+14.91

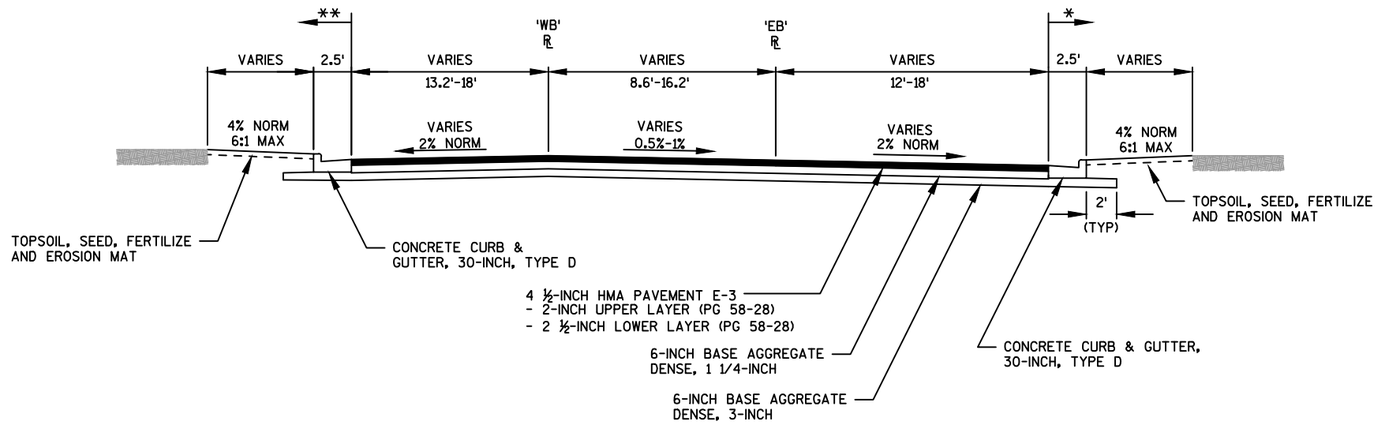


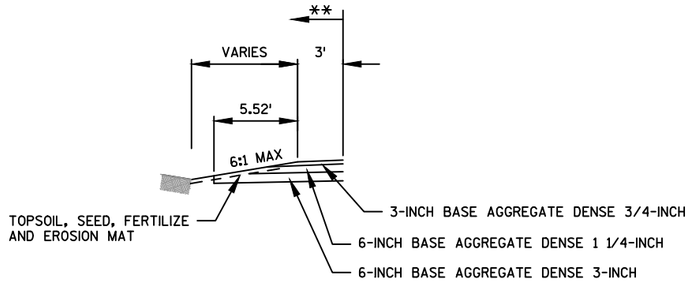
TYPICAL FINISHED SECTION FOR EISENHOWER DRIVE
STA 301+63.82 TO STA 303+97.57

PROJECT NO: 4160-05-71/ 4160-05-73	HWY: CTH CE	COUNTY: OUTAGAMIE	TYPICAL SECTIONS	SHEET 10	E



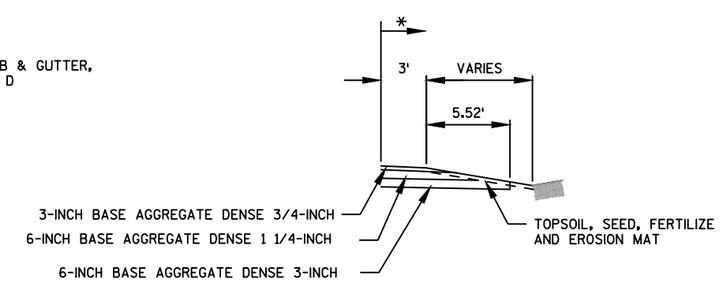
TYPICAL FINISHED SECTION FOR EISENHOWER DRIVE
STA 305+48.15 TO STA 307+54.65
STA 310+08.58 TO STA 312+52.10





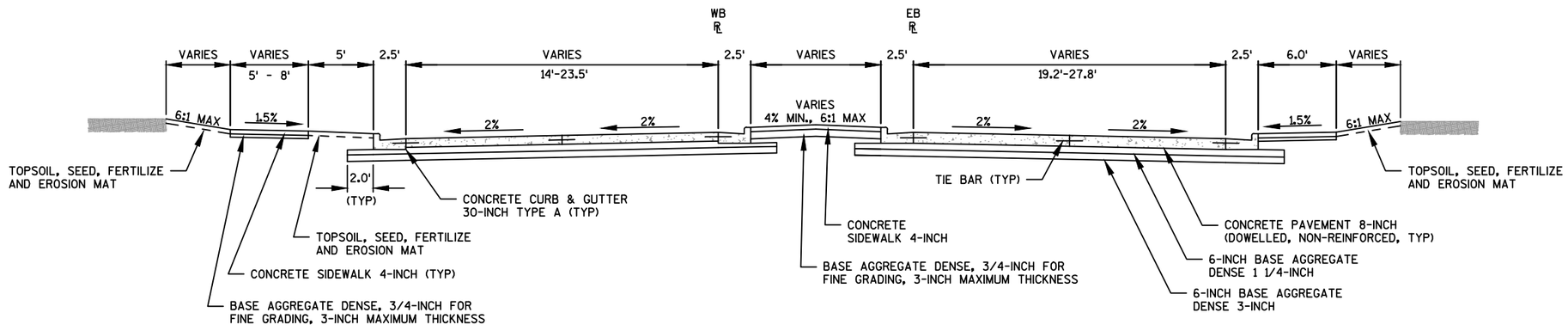
**STA 409+90.50'EB' - STA 410+77.37'EB'

TYPICAL FINISHED SECTION FOR VAN ROY ROAD
STA 403+80.41'EB' - STA 405+67.04'EB'
STA 408+37.84'EB' - STA 410+77.37'EB'



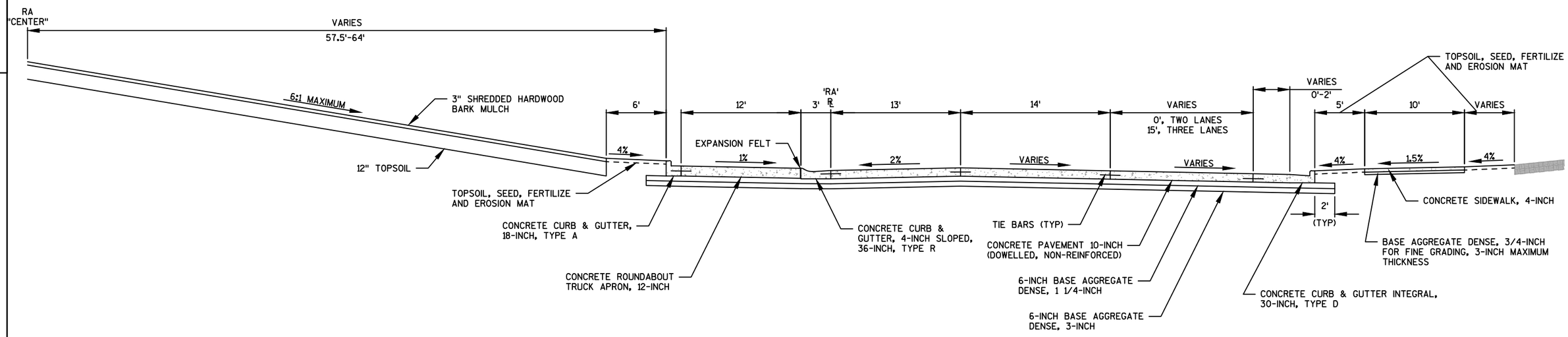
*STA 410+56.79'EB' - STA 410+77.37'EB'

PROJECT NO: 4160-05-71/ 4160-05-73	HWY: CTH CE	COUNTY: OUTAGAMIE	TYPICAL SECTIONS	SHEET 11	E

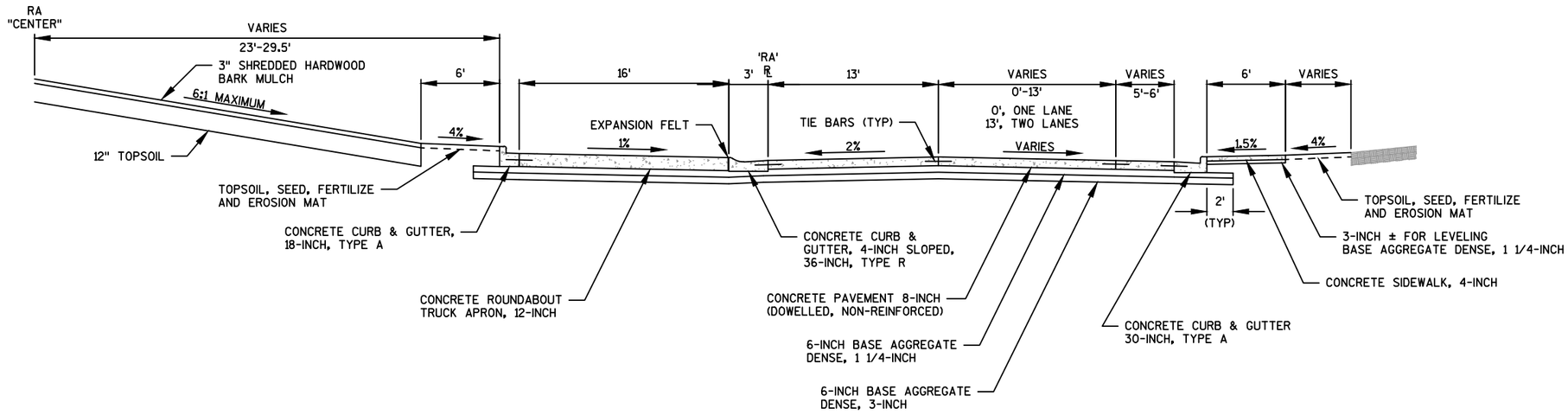


TYPICAL FINISHED SECTION FOR VAN ROY ROAD
STA 405+67.04 TO STA 406+07.96
STA 407+84.04 TO STA 408+37.84

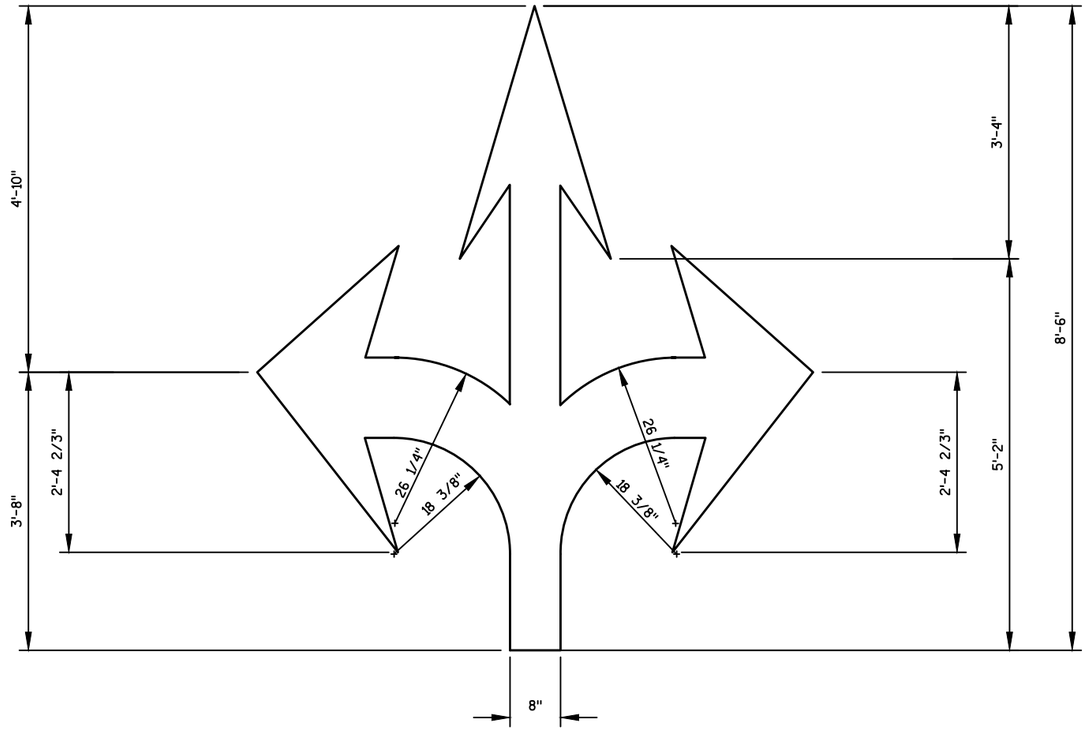
PROJECT NO: 4160-05-71/ 4160-05-73	HWY: CTH CE	COUNTY: OUTAGAMIE	TYPICAL SECTIONS	SHEET 12	E



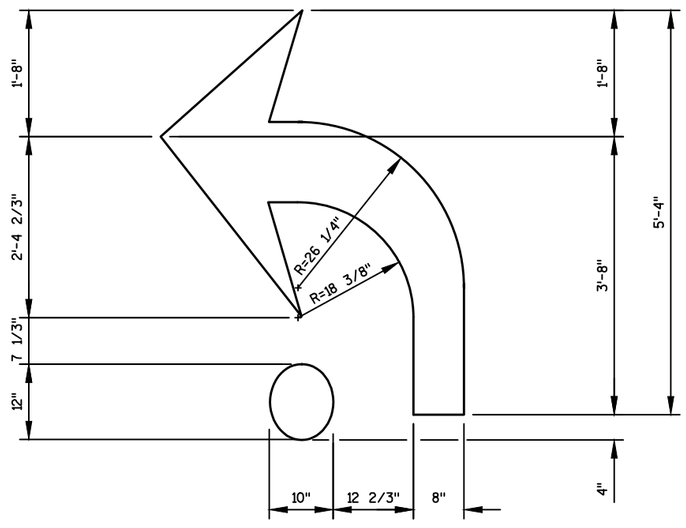
TYPICAL FINISHED SECTION FOR CTH CE & EISENHOWER DRIVE ROUNDABOUT



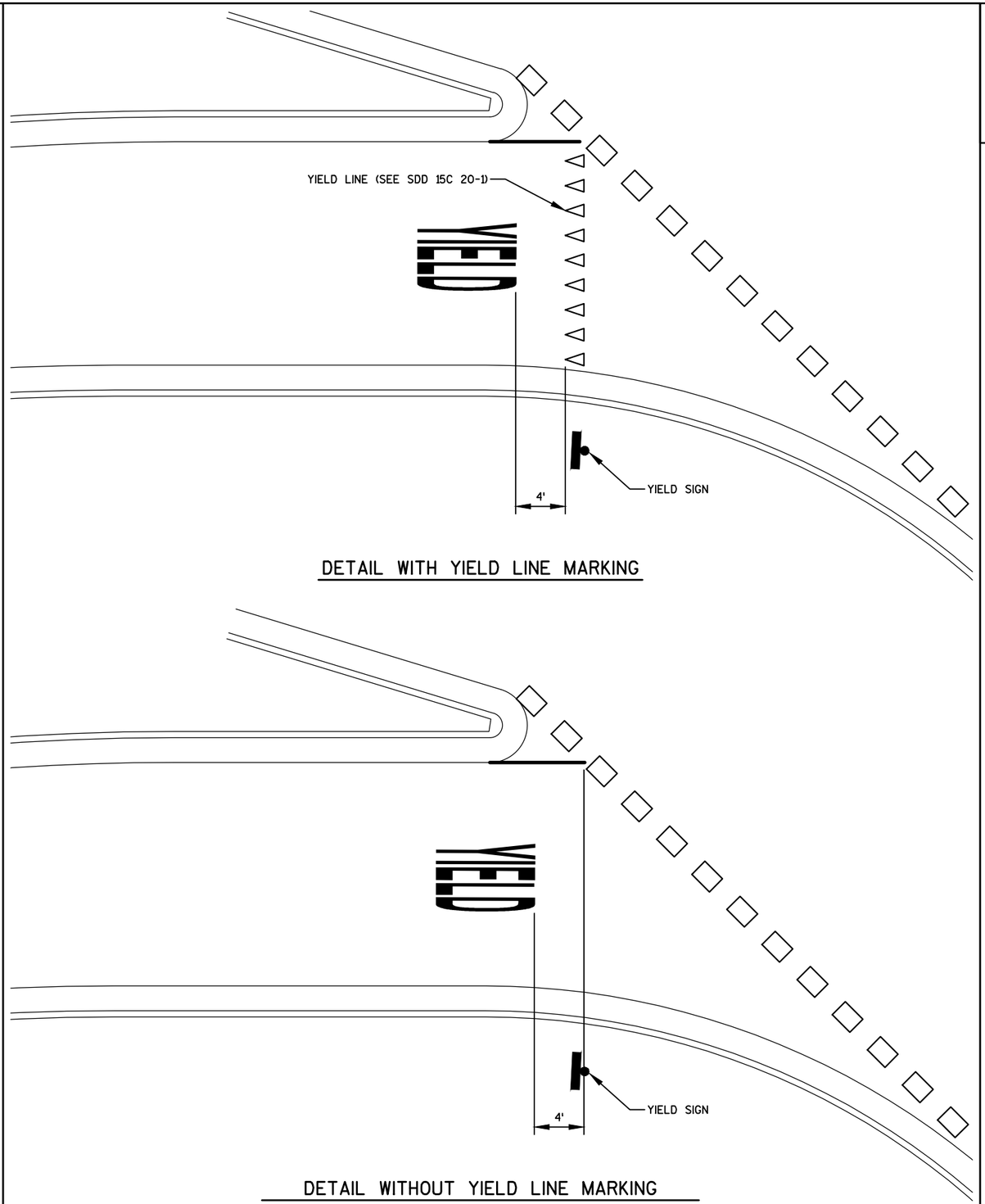
TYPICAL FINISHED SECTION FOR VAN ROY ROAD & EISENHOWER DRIVE ROUNDABOUT



TYPE 6 MODIFIED (75% OF STANDARD SIZE)

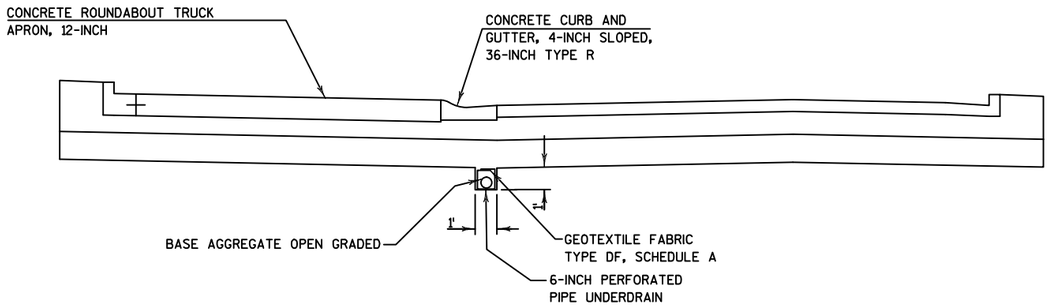


TYPE 2R MODIFIED (75% OF STANDARD SIZE)

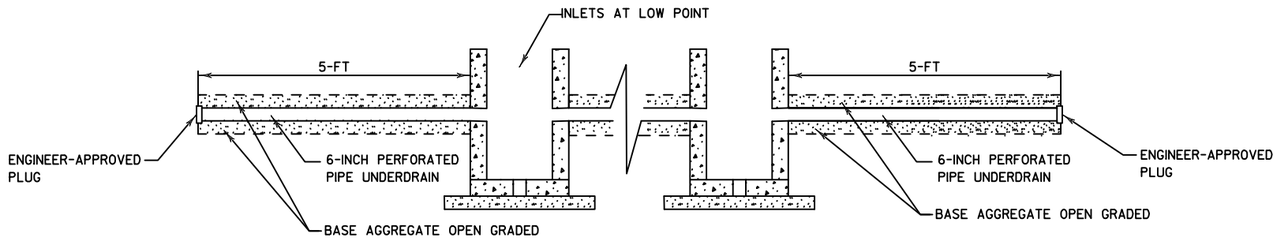


DETAIL WITH YIELD LINE MARKING

DETAIL WITHOUT YIELD LINE MARKING

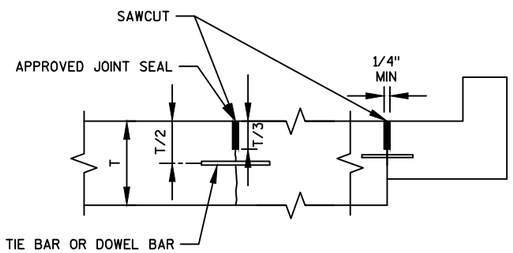


PIPE UNDERDRAIN TYPICAL CROSS-SECTION AT ROUNDABOUT LOW POINTS

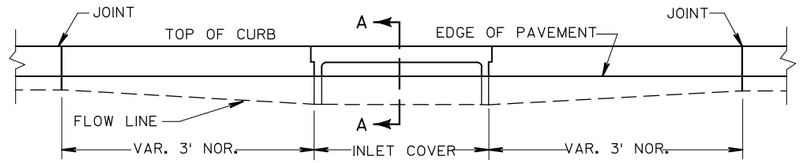


ELEVATION VIEW

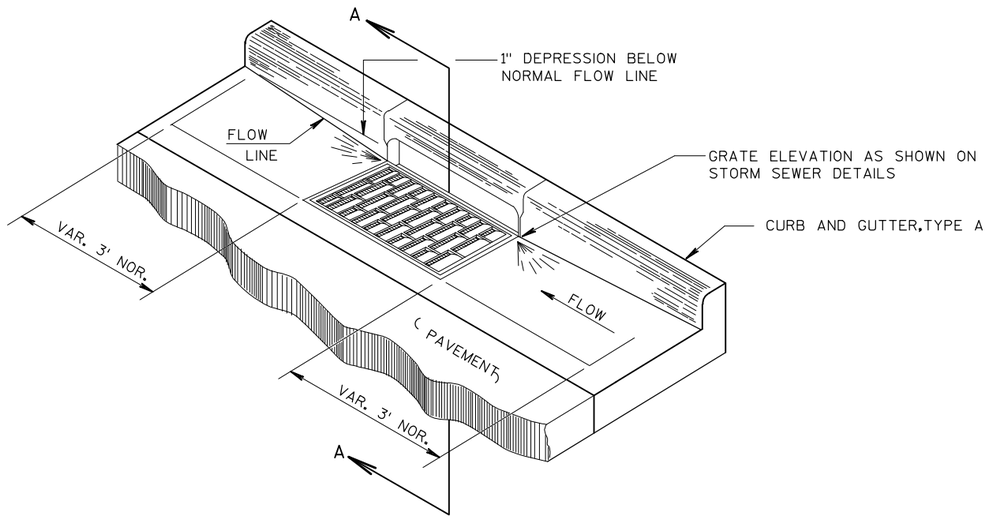
PIPE UNDERDRAIN DETAIL

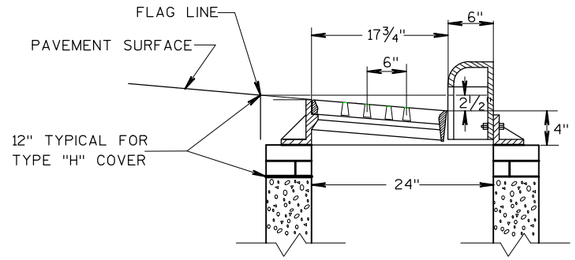


CONCRETE JOINT SEALING



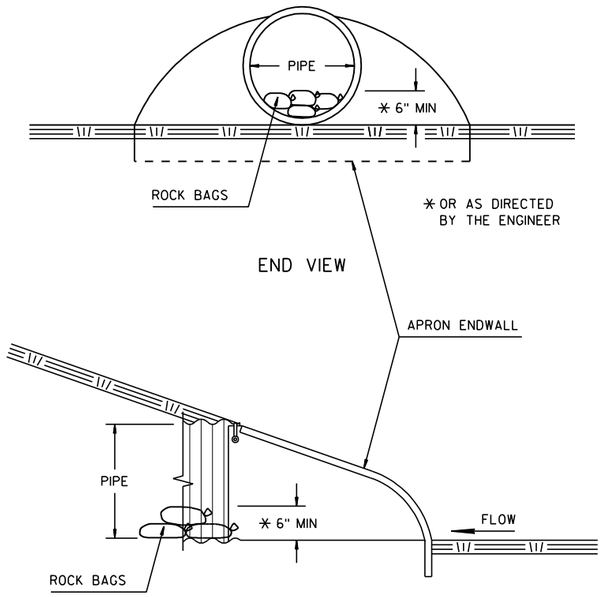
ELEVATION



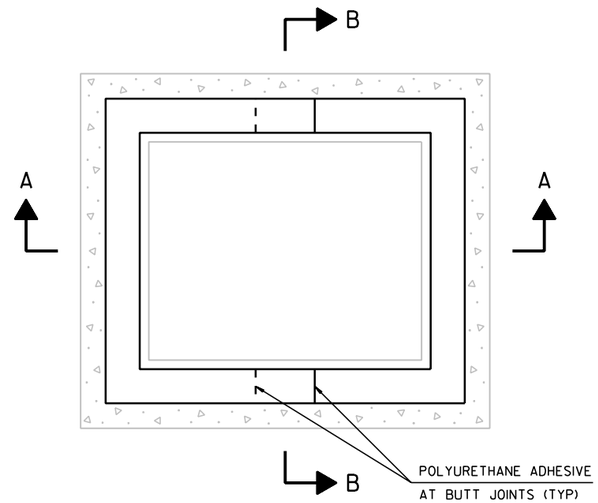


SECTION A-A

DETAIL OF CURB AND GUTTER AT INLETS
(TYPE 3-H INLET SHOWN)

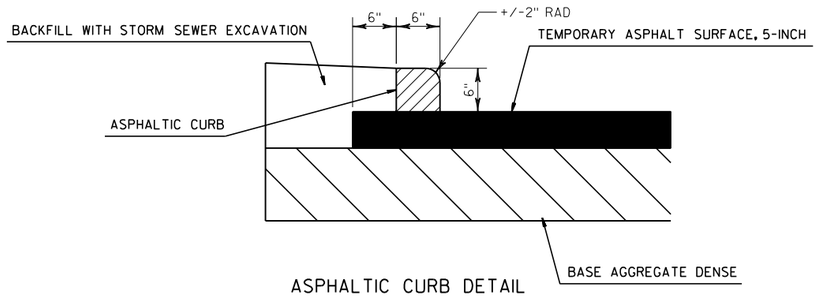


CULVERT PIPE CHECKS



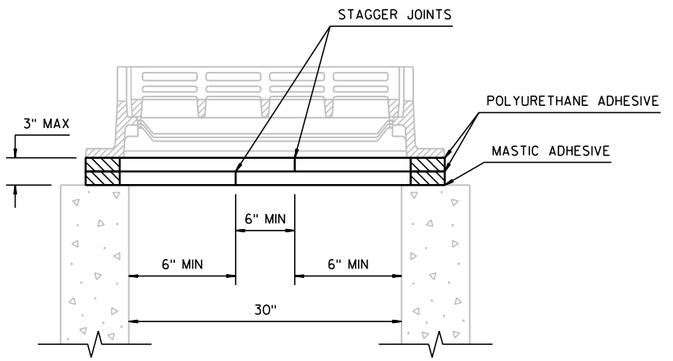
PLAN VIEW

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

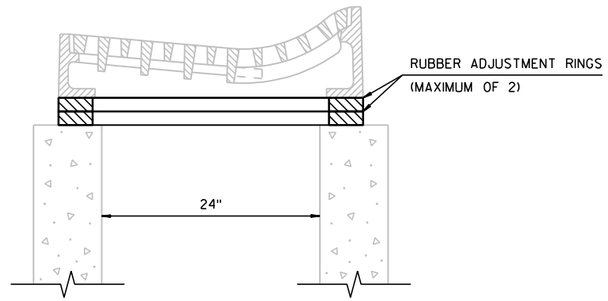


ASPHALTIC CURB DETAIL

STAGE 1
CTH CE WESTBOUND

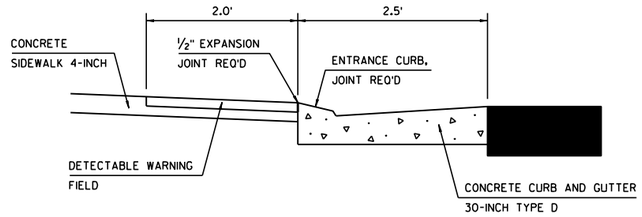


SECTION A-A

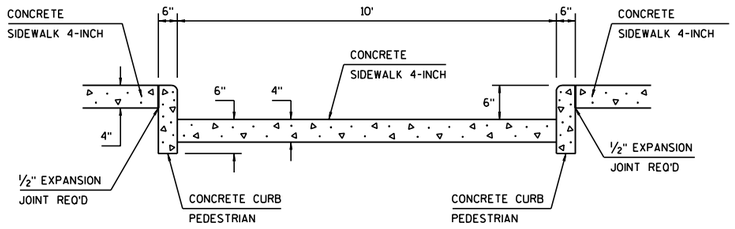


SECTION B-B

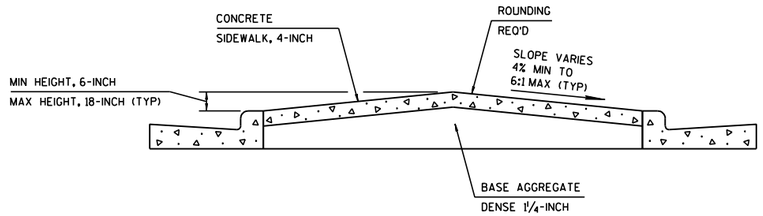
RUBBER RING CUTTING DETAIL FOR INLET 2 X 2.5-FT, SPECIAL



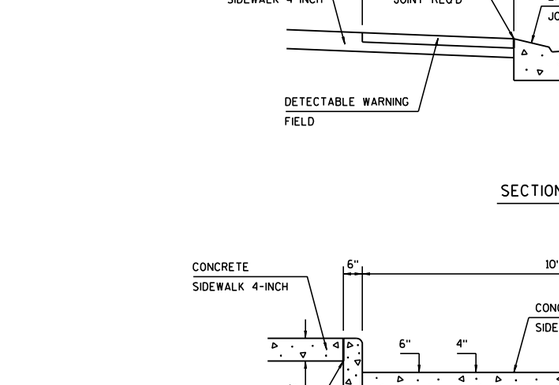
SECTION A-A



SECTION B-B

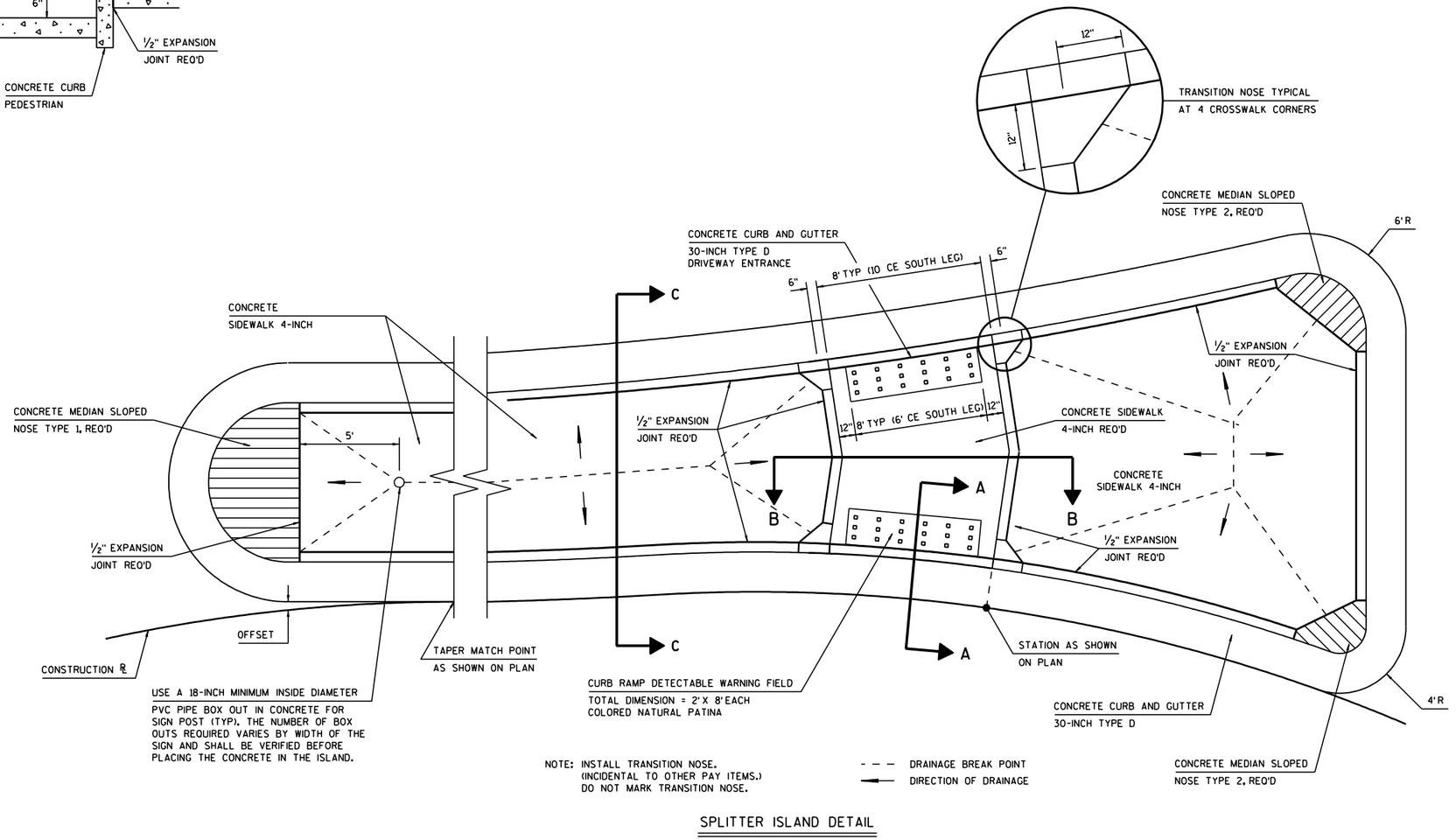


SECTION C-C



ISLAND SIGN LOCATION DETAIL (TYP)

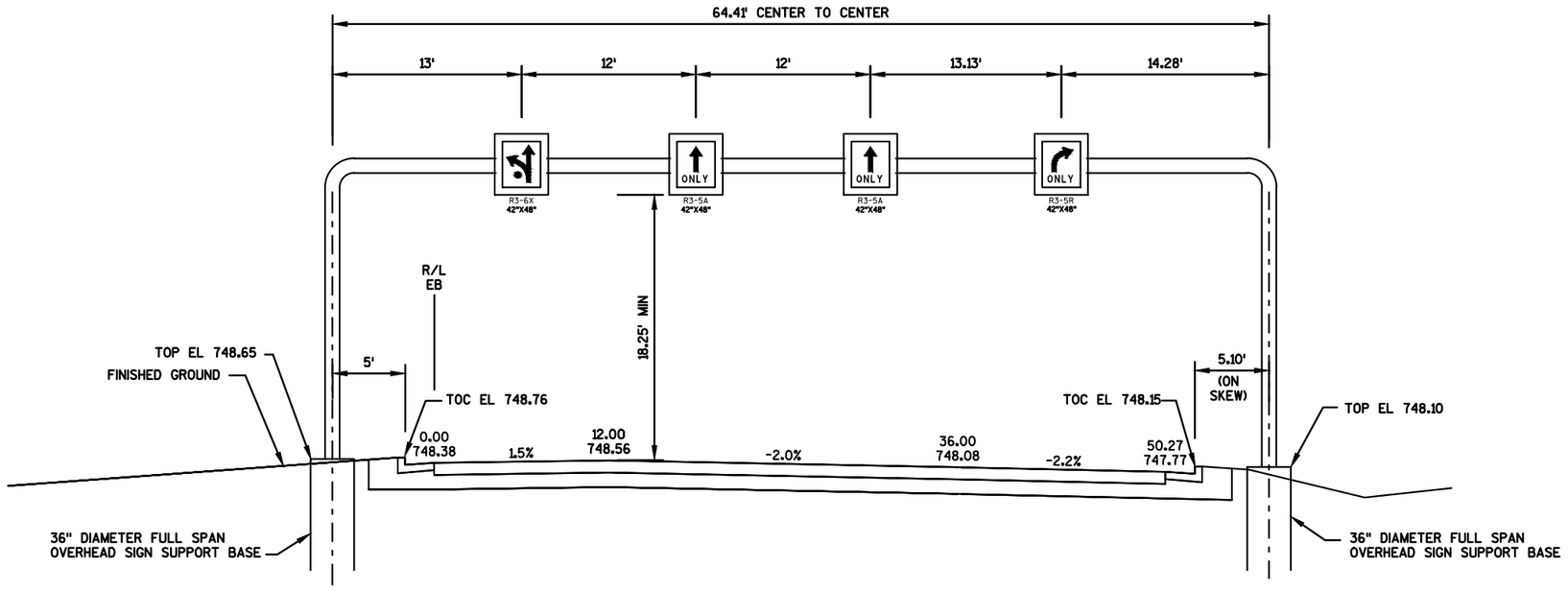
NOTIFY THE REGIONAL TRAFFIC UNIT AT 920-492-5653 A MINIMUM OF TWO WEEKS PRIOR TO THE NEED FOR SIGN PLACEMENT TO ALLOW FOR STAKING OF ANY PERMANENT SIGNING REQUIRED ON THE PROJECT.



SPLITTER ISLAND DETAIL

PROJECT NO: 4160-05-71/4160-05-73	HWY: CTH CE	COUNTY: OUTAGAMIE	CONSTRUCTION DETAILS	SHEET 17	E	2.6A

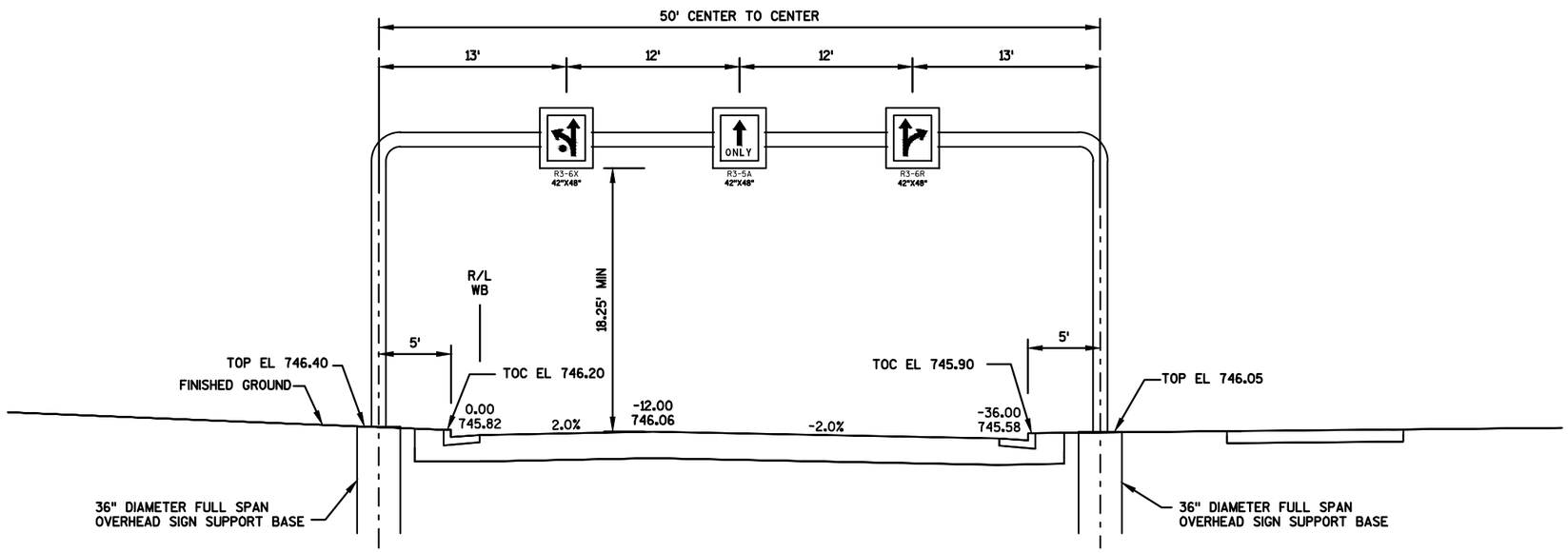
2



OVERHEAD SIGN SUPPORT

S-44-0129
CTH CE EB STA 215+36
(LOOKING EAST)

2



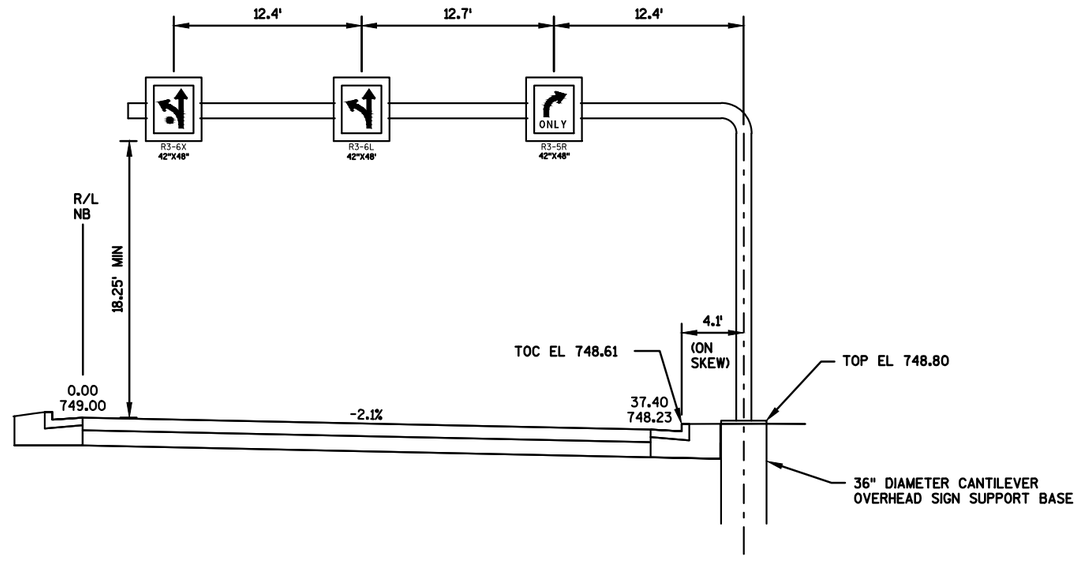
OVERHEAD SIGN SUPPORT

S-44-0130

CTH E WESTBOUND STA 222+71.07

(LOOKING WEST)

2



OVERHEAD SIGN SUPPORT

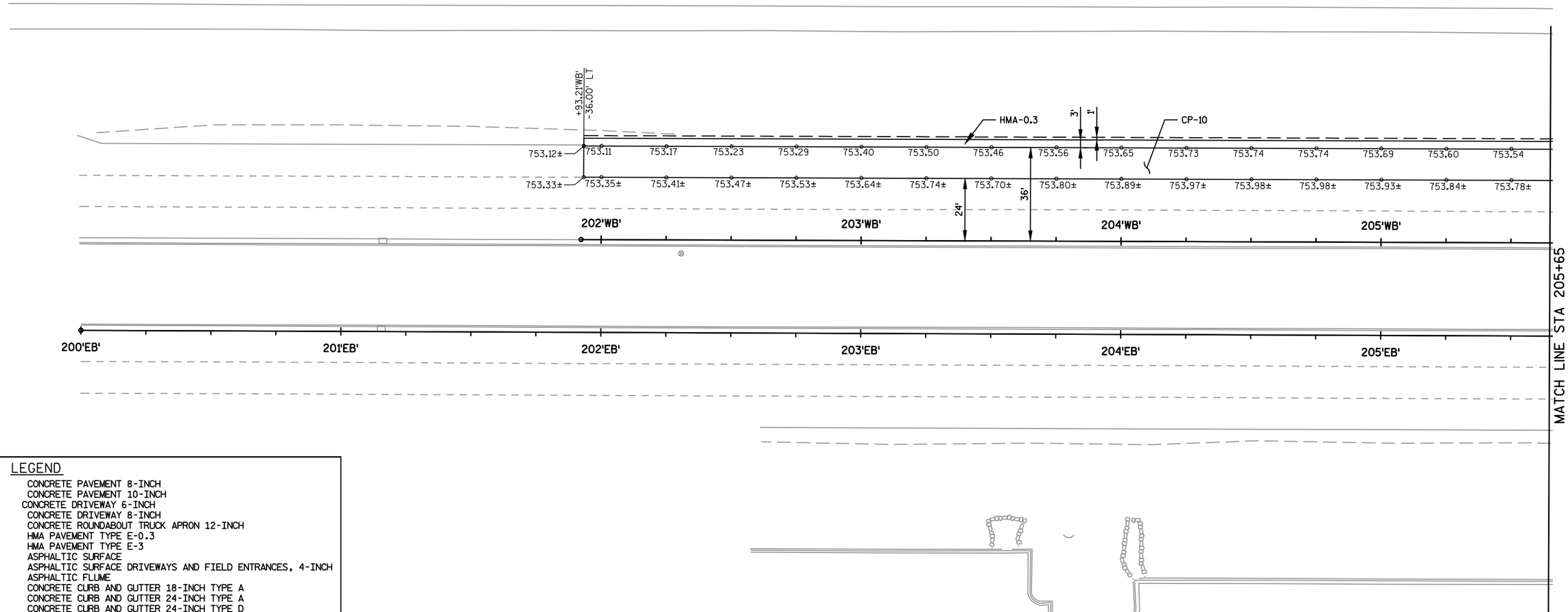
S-44-0131

EISENHOWER DRIVE NB STA 306+41.5

(LOOKING NORTH)

2

N



LEGEND

CP-8	CONCRETE PAVEMENT 8-INCH
CP-10	CONCRETE PAVEMENT 10-INCH
CD-6	CONCRETE DRIVEWAY 6-INCH
CD-8	CONCRETE DRIVEWAY 8-INCH
CPTA-12	CONCRETE ROUNDABOUT TRUCK APRON 12-INCH
HMA-0.3	HMA PAVEMENT TYPE E-0.3
HMA-3	HMA PAVEMENT TYPE E-3
AS	ASPHALTIC SURFACE
ASDF	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES, 4-INCH
AF	ASPHALTIC FLUME
CG-18A	CONCRETE CURB AND GUTTER 18-INCH TYPE A
CG-24A	CONCRETE CURB AND GUTTER 24-INCH TYPE A
CG-24D	CONCRETE CURB AND GUTTER 24-INCH TYPE D
CG-30A	CONCRETE CURB AND GUTTER 30-INCH TYPE A
CG-30D	CONCRETE CURB AND GUTTER 30-INCH TYPE D
CGI-30D	CONCRETE CURB AND GUTTER INTEGRAL 30-INCH TYPE D
CG-36R4	CONCRETE CURB AND GUTTER 4-INCH SLOPED 36-INCH TYPE R
CCP	CONCRETE CURB PEDESTRIAN
CS-4	CONCRETE SIDEWALK 4-INCH
WF-Y	CURB RAMP DETECTABLE WARNING FIELD (NATURAL PATINA)
CR-2	CURB RAMP TYPE 2
CR-4	CURB RAMP TYPE 4
CR-7	CURB RAMP TYPE 7
CMSN1	CONCRETE MEDIAN SLOPE NOSE TYPE 1
CMSN2	CONCRETE MEDIAN SLOPE NOSE TYPE 2
G	GRASS
AM	ADJUST MANHOLE
▨	WARPED GUTTER
■	REVERSE PAN CURB AND GUTTER

PROJECT NO: 4160-05-71 / 4160-05-73	HWY: CTH CE	COUNTY: OUTAGAMIE	PAVING DETAIL - CTH CE (COLLEGE AVENUE) WEST	SHEET 21	E

2

N

HMA-0.3

3"

1"

CP-10

753.49 753.43 753.35 753.28 753.25 753.20 753.11 753.02 752.93 752.83 752.77 752.72 752.63 752.53 752.42 752.32 752.21 752.07 751.94 751.84 751.73 751.60 751.48 751.39

753.73± 753.67± 753.59± 753.52± 753.49± 753.44± 753.35± 753.26± 753.17± 753.07± 753.01± 752.96± 752.87± 752.77± 752.66± 752.56± 752.45± 752.31± 752.18± 752.08± 751.97± 751.84± 751.72± 751.63±

24"

36"

206'WB' 207'WB' 208'WB' 209'WB' 210'WB' 211'WB'

MATCH LINE STA 205+65

206'EB' 207'EB' 208'EB' 209'EB'

MATCH LINE STA 211+65'WB'

CG-30A

+39.96 752.20±

752.12± (CONC)

751.84±

751.84±

751.51±

+64 752.09

752.15 752.05 751.95 751.85 751.75 751.65 751.55 751.37 751.19

752.15 752.17 752.13 752.03 751.93 751.83 751.73 751.55 751.37

751.88 751.95 751.89 751.78 751.68 751.58 751.47 751.31 751.13

751.60 751.72 751.65 751.54 751.43 751.32 751.21 751.07 750.89

210'EB' 211'EB'

12' 12' 12'

+31.90'EB' 36.02' RT

+36 751.52

CP-10

CG-30A

MATCH LINE STA 211+65

(CONC)

LOWES LANE

(ASPH)

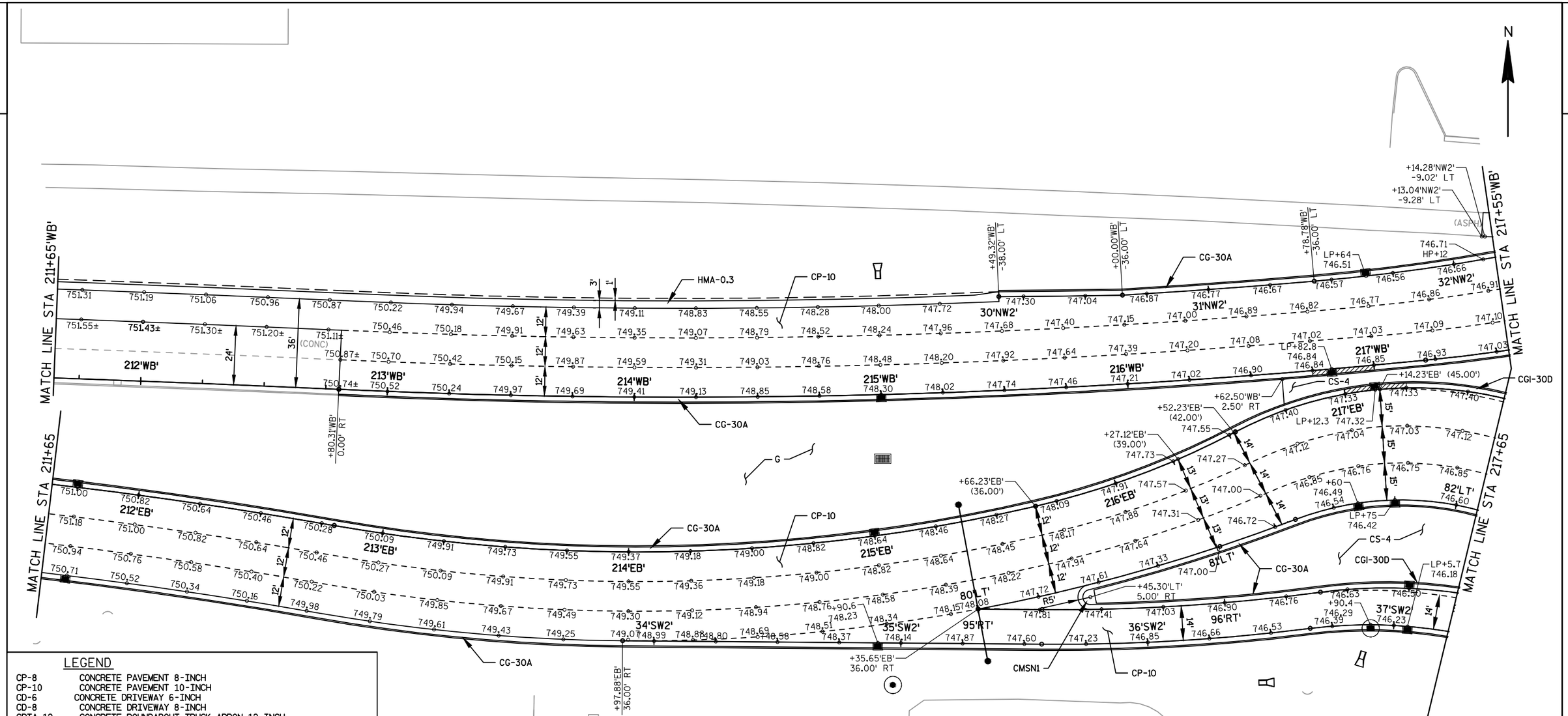
(ASPH)

LEGEND

CP-8	CONCRETE PAVEMENT 8-INCH
CP-10	CONCRETE PAVEMENT 10-INCH
CD-6	CONCRETE DRIVEWAY 6-INCH
CD-8	CONCRETE DRIVEWAY 8-INCH
CPTA-12	CONCRETE ROUNDABOUT TRUCK APRON 12-INCH
HMA-0.3	HMA PAVEMENT TYPE E-0.3
HMA-3	HMA PAVEMENT TYPE E-3
AS	ASPHALTIC SURFACE
ASDF	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES, 4-INCH
AF	ASPHALTIC FLUME
CG-18A	CONCRETE CURB AND GUTTER 18-INCH TYPE A
CG-24A	CONCRETE CURB AND GUTTER 24-INCH TYPE A
CG-24D	CONCRETE CURB AND GUTTER 24-INCH TYPE D
CG-30A	CONCRETE CURB AND GUTTER 30-INCH TYPE A
CG-30D	CONCRETE CURB AND GUTTER 30-INCH TYPE D
CGI-30D	CONCRETE CURB AND GUTTER INTEGRAL 30-INCH TYPE D
CG-36R4	CONCRETE CURB AND GUTTER 4-INCH SLOPED 36-INCH TYPE R
CCP	CONCRETE CURB PEDESTRIAN
CS-4	CONCRETE SIDEWALK 4-INCH
WF-Y	CURB RAMP DETECTABLE WARNING FIELD (NATURAL PATINA)
CR-2	CURB RAMP TYPE 2
CR-4	CURB RAMP TYPE 4
CR-7	CURB RAMP TYPE 7
CMSN1	CONCRETE MEDIAN SLOPE NOSE TYPE 1
CMSN2	CONCRETE MEDIAN SLOPE NOSE TYPE 2
G	GRASS
AM	ADJUST MANHOLE
	WARPED GUTTER
	REVERSE PAN CURB AND GUTTER

PROJECT NO: 4160-05-71 / 4160-05-73	HWY: CTH CE	COUNTY: OUTAGAMIE	PAVING DETAIL - CTH CE (COLLEGE AVENUE) WEST	SHEET 22	E

2



LEGEND

CP-8	CONCRETE PAVEMENT 8-INCH
CP-10	CONCRETE PAVEMENT 10-INCH
CD-6	CONCRETE DRIVEWAY 6-INCH
CD-8	CONCRETE DRIVEWAY 8-INCH
CPTA-12	CONCRETE ROUNDABOUT TRUCK APRON 12-INCH
HMA-0.3	HMA PAVEMENT TYPE E-0.3
HMA-3	HMA PAVEMENT TYPE E-3
AS	ASPHALTIC SURFACE
ASDF	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES, 4-INCH
AF	ASPHALTIC FLUME
CG-18A	CONCRETE CURB AND GUTTER 18-INCH TYPE A
CG-24A	CONCRETE CURB AND GUTTER 24-INCH TYPE A
CG-24D	CONCRETE CURB AND GUTTER 24-INCH TYPE D
CG-30A	CONCRETE CURB AND GUTTER 30-INCH TYPE A
CG-30D	CONCRETE CURB AND GUTTER 30-INCH TYPE D
CGI-30D	CONCRETE CURB AND GUTTER INTEGRAL 30-INCH TYPE D
CG-36R4	CONCRETE CURB AND GUTTER 4-INCH SLOPED 36-INCH TYPE R
CCP	CONCRETE CURB PEDESTRIAN
CS-4	CONCRETE SIDEWALK 4-INCH
WF-Y	CURB RAMP DETECTABLE WARNING FIELD (NATURAL PATINA)
CR-2	CURB RAMP TYPE 2
CR-4	CURB RAMP TYPE 4
CR-7	CURB RAMP TYPE 7
CMSN1	CONCRETE MEDIAN SLOPE NOSE TYPE 1
CMSN2	CONCRETE MEDIAN SLOPE NOSE TYPE 2
G	GRASS
AM	ADJUST MANHOLE
▨	WARPED GUTTER
■	REVERSE PAN CURB AND GUTTER

PROJECT NO: 4160-05-71 / 4160-05-73	HWY: CTH CE	COUNTY: OUTAGAMIE	PAVING DETAIL - CTH CE (COLLEGE AVENUE) WEST	SHEET 23	E

2

N

MATCH LINE STA 310+40'SB'

MATCH LINE STA 310+55'NB'

MATCH LINE STA 217+55'WB'

MATCH LINE STA 217+65

MATCH LINE STA 220+85'WB'

MATCH LINE STA 220+85

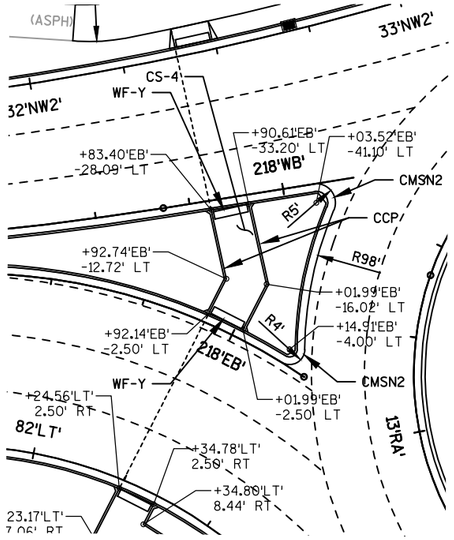
MATCH LINE STA 306+85'SB'

MATCH LINE STA 306+85'NB'

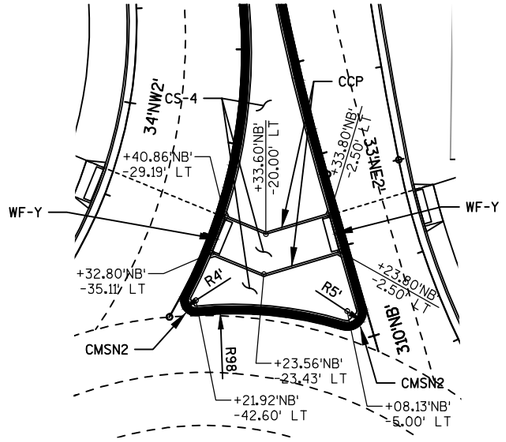
LEGEND

CP-8	CONCRETE PAVEMENT 8-INCH
CP-10	CONCRETE PAVEMENT 10-INCH
CD-6	CONCRETE DRIVEWAY 6-INCH
CD-8	CONCRETE DRIVEWAY 8-INCH
CPTA-12	CONCRETE ROUNDABOUT TRUCK APRON 12-INCH
HMA-0.3	HMA PAVEMENT TYPE E-0.3
HMA-3	HMA PAVEMENT TYPE E-3
AS	ASPHALTIC SURFACE
ASDF	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES, 4-INCH
AF	ASPHALTIC FLUME
CG-18A	CONCRETE CURB AND GUTTER 18-INCH TYPE A
CG-24A	CONCRETE CURB AND GUTTER 24-INCH TYPE A
CG-24D	CONCRETE CURB AND GUTTER 24-INCH TYPE D
CG-30A	CONCRETE CURB AND GUTTER 30-INCH TYPE A
CG-30D	CONCRETE CURB AND GUTTER 30-INCH TYPE D
CGI-30D	CONCRETE CURB AND GUTTER INTEGRAL 30-INCH TYPE D
CG-36R4	CONCRETE CURB AND GUTTER 4-INCH SLOPED 36-INCH TYPE R
CCP	CONCRETE CURB PEDESTRIAN
CS-4	CONCRETE SIDEWALK 4-INCH
WF-Y	CURB RAMP DETECTABLE WARNING FIELD (NATURAL PATINA)
CR-2	CURB RAMP TYPE 2
CR-4	CURB RAMP TYPE 4
CR-7	CURB RAMP TYPE 7
CMSN1	CONCRETE MEDIAN SLOPE NOSE TYPE 1
CMSN2	CONCRETE MEDIAN SLOPE NOSE TYPE 2
G	GRASS
AM	ADJUST MANHOLE
	WARPED GUTTER
	REVERSE PAN CURB AND GUTTER

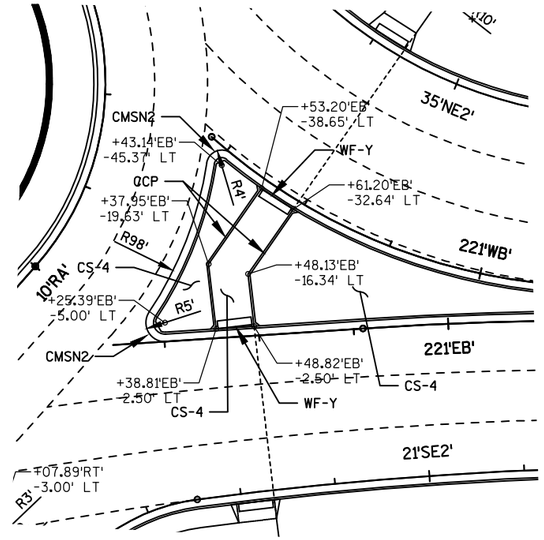
PROJECT NO: 4160-05-71 / 4160-05-73	HWY: CTH CE	COUNTY: OUTAGAMIE	PAVING DETAIL - CTH CE (COLLEGE AVENUE) WEST	SHEET 24	E



CTH CE WEST LEG



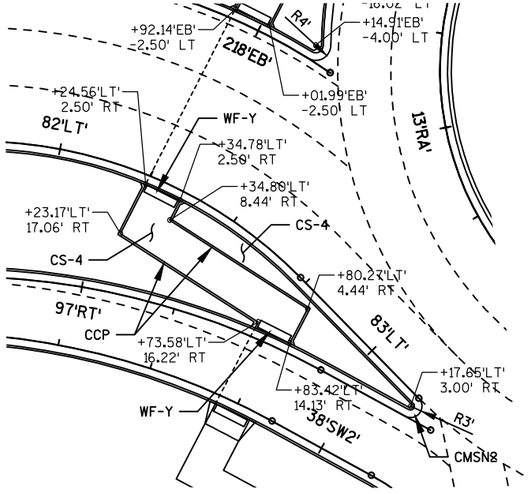
CTH CE NORTH LEG



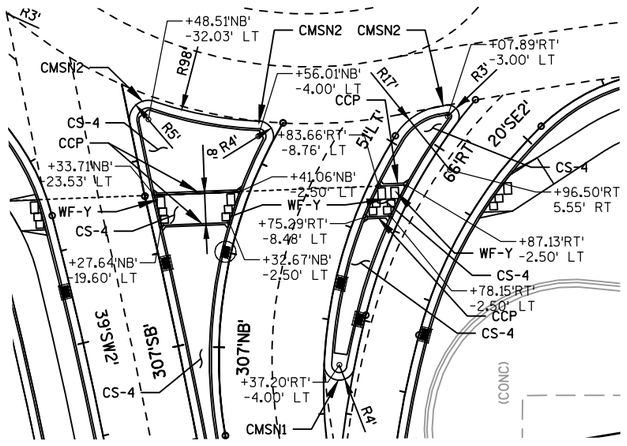
CTH CE EAST LEG

N

2



CTH CE EB RT TURN ISLAND



CTH CE SOUTH LEG

LEGEND

CP-8	CONCRETE PAVEMENT 8-INCH
CP-10	CONCRETE PAVEMENT 10-INCH
CD-6	CONCRETE DRIVEWAY 6-INCH
CD-8	CONCRETE DRIVEWAY 8-INCH
CPTA-12	CONCRETE ROUNDABOUT TRUCK APRON 12-INCH
HMA-0.3	HMA PAVEMENT TYPE E-0.3
HMA-3	HMA PAVEMENT TYPE E-3
AS	ASPHALTIC SURFACE
ASDF	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES, 4-INCH
AF	ASPHALTIC FLUME
CG-18A	CONCRETE CURB AND GUTTER 18-INCH TYPE A
CG-24A	CONCRETE CURB AND GUTTER 24-INCH TYPE A
CG-24D	CONCRETE CURB AND GUTTER 24-INCH TYPE D
CG-30A	CONCRETE CURB AND GUTTER 30-INCH TYPE A
CG-30D	CONCRETE CURB AND GUTTER 30-INCH TYPE D
CGI-30D	CONCRETE CURB AND GUTTER INTEGRAL 30-INCH TYPE D
CG-36R4	CONCRETE CURB AND GUTTER 4-INCH SLOPED 36-INCH TYPE R
CCP	CONCRETE CURB PEDESTRIAN
CS-4	CONCRETE SIDEWALK 4-INCH
WF-Y	CURB RAMP DETECTABLE WARNING FIELD (NATURAL PATINA)
CR-2	CURB RAMP TYPE 2
CR-4	CURB RAMP TYPE 4
CR-7	CURB RAMP TYPE 7
CMSN1	CONCRETE MEDIAN SLOPE NOSE TYPE 1
CMSN2	CONCRETE MEDIAN SLOPE NOSE TYPE 2
G	GRASS
AM	ADJUST MANHOLE
	WARPED GUTTER
	REVERSE PAN CURB AND GUTTER

2

N

MATCH LINE STA 220+85'WB'

MATCH LINE STA 220+85

MATCH LINE STA 226+85

+95.66'WB'
-98.50' LT

+27.99'NE2'
-48.96' LT

G

AS

+35.29'NE2'
-36.41' LT

+89.21'WB'
-59.14' LT

R40'

+95.66'WB'
-58.50' LT

CG-30A

R385'

221+47.20'WB'
289.87' RT

+71.07'WB'
-36.00' LT

36'NE2'

+60.68'WB'
-57.76' LT

R40'

+67.76'WB'
-58.02' LT

+62.67'WB'
-97.71' LT

129.37'WB'
-56.00' LT

10'

+43.7

+43.5

221'WB'

222'WB'

223'WB'

224'WB'

225'WB'

226'WB'

+71.07'WB' (36.00')

+07.65'WB' (39.00')

+80.03'WB' (42.00')

+24.45'WB' (45.00')

CGI-30D

CS-4

221'EB'

+81.23'EB'
-2.50' LT

+58.65'EB'
0.04' LT

+98.65'EB'
-4.00' LT

222'EB'

LP+06.8

223'EB'

HP+12.4

HP+12.4

CP-10

G

224'EB'

10' TRANSITION TO EXISTING
36-INCH CURB & GUTTER,
TRANSITION PAID FOR AS
30-INCH CURB & GUTTER TYPE A

+07.54'EB'
-4.00' LT

225'EB'

226'EB'

+17.53'EB'
-4.00' LT

21'SE2'

22'SE2'

LP+10

+33.13'EB'
36.93' RT

+84.10'EB'
38.00' RT

HMA-0.3

HMA-3

VARIES

15'

12'

13'

14'

4'

LEGEND

CP-8	CONCRETE PAVEMENT 8-INCH
CP-10	CONCRETE PAVEMENT 10-INCH
CD-6	CONCRETE DRIVEWAY 6-INCH
CD-8	CONCRETE DRIVEWAY 8-INCH
CPTA-12	CONCRETE ROUNDABOUT TRUCK APRON 12-INCH
HMA-0.3	HMA PAVEMENT TYPE E-0.3
HMA-3	HMA PAVEMENT TYPE E-3
AS	ASPHALTIC SURFACE
ASDF	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES, 4-INCH
AF	ASPHALTIC FLUME
CG-18A	CONCRETE CURB AND GUTTER 18-INCH TYPE A
CG-24A	CONCRETE CURB AND GUTTER 24-INCH TYPE A
CG-24D	CONCRETE CURB AND GUTTER 24-INCH TYPE D
CG-30A	CONCRETE CURB AND GUTTER 30-INCH TYPE A
CG-30D	CONCRETE CURB AND GUTTER 30-INCH TYPE D
CGI-30D	CONCRETE CURB AND GUTTER INTEGRAL 30-INCH TYPE D
CG-36R4	CONCRETE CURB AND GUTTER 4-INCH SLOPED 36-INCH TYPE R
CCP	CONCRETE CURB PEDESTRIAN
CS-4	CONCRETE SIDEWALK 4-INCH
WF-Y	CURB RAMP DETECTABLE WARNING FIELD (NATURAL PATINA)
CR-2	CURB RAMP TYPE 2
CR-4	CURB RAMP TYPE 4
CR-7	CURB RAMP TYPE 7
CMSN1	CONCRETE MEDIAN SLOPE NOSE TYPE 1
CMSN2	CONCRETE MEDIAN SLOPE NOSE TYPE 2
G	GRASS
AM	ADJUST MANHOLE
	WARPED GUTTER
	REVERSE PAN CURB AND GUTTER

PROJECT NO: 4160-05-71 / 4160-05-73	HWY: CTH CE	COUNTY: OUTAGAMIE	PAVING DETAIL - CTH CE (COLLEGE AVENUE) EAST	SHEET 26	E

2

N

MATCH LINE STA 226+85

COBBLESTONE LANE

AS (ASPH)

CG-30A

AF

HMA-0.3

HMA-3 (6-INCH)

HMA-3

CP-10

G

227'WB' 228'WB' 229'WB' 230'WB' 231'WB' 232'WB'

227'EB' 228'EB' 229'EB' 230'EB' 231'EB' 232'EB'

+53.90'WB' -79.92' LT

+58.68'WB' -85.49' LT

+69.64'WB' -86.51' LT

+75.11'WB' -81.05' LT

+00.00'WB' -77.15' LT

+74.31'WB' -24.00' LT

+74.31'WB' -32.00' LT

+14.91'WB' -24.00' LT

+24.91'WB' -32.00' LT

+24.91'WB' 4.00' RT

+04.44'WB' 0.00' RT

+94.44'WB' 4.00' RT

+95.02'EB' 39.00' RT

+83.67'EB' 32.00' RT

+75.00'EB' 24.00' RT

+75.00'EB' 32.00' RT

HP+08

LP+4.6

VARIES

R5'

8'

12'

24'

1'

2'

10' TRANSITION TO EXISTING 36-INCH CURB & GUTTER, TRANSITION PAID FOR AS 30-INCH CURB & GUTTER TYPE D

LEGEND

CP-8	CONCRETE PAVEMENT 8-INCH
CP-10	CONCRETE PAVEMENT 10-INCH
CD-6	CONCRETE DRIVEWAY 6-INCH
CD-8	CONCRETE DRIVEWAY 8-INCH
CPTA-12	CONCRETE ROUNDABOUT TRUCK APRON 12-INCH
HMA-0.3	HMA PAVEMENT TYPE E-0.3
HMA-3	HMA PAVEMENT TYPE E-3
AS	ASPHALTIC SURFACE
ASDF	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES, 4-INCH
AF	ASPHALTIC FLUME
CG-18A	CONCRETE CURB AND GUTTER 18-INCH TYPE A
CG-24A	CONCRETE CURB AND GUTTER 24-INCH TYPE A
CG-24D	CONCRETE CURB AND GUTTER 24-INCH TYPE D
CG-30A	CONCRETE CURB AND GUTTER 30-INCH TYPE A
CG-30D	CONCRETE CURB AND GUTTER 30-INCH TYPE D
CGI-30D	CONCRETE CURB AND GUTTER INTEGRAL 30-INCH TYPE D
CG-36R4	CONCRETE CURB AND GUTTER 4-INCH SLOPED 36-INCH TYPE R
CCP	CONCRETE CURB PEDESTRIAN
CS-4	CONCRETE SIDEWALK 4-INCH
WF-Y	CURB RAMP DETECTABLE WARNING FIELD (NATURAL PATINA)
CR-2	CURB RAMP TYPE 2
CR-4	CURB RAMP TYPE 4
CR-7	CURB RAMP TYPE 7
CMSN1	CONCRETE MEDIAN SLOPE NOSE TYPE 1
CMSN2	CONCRETE MEDIAN SLOPE NOSE TYPE 2
G	GRASS
AM	ADJUST MANHOLE
▨	WARPED GUTTER
■	REVERSE PAN CURB AND GUTTER

PROJECT NO: 4160-05-71 / 4160-05-73	HWY: CTH CE	COUNTY: OUTAGAMIE	PAVING DETAIL - CTH CE (COLLEGE AVENUE) EAST	SHEET 27	E

2

N

(ASPH)
(ASPH)
(CONC)
(ASPH)
(CONC)
(CONC)
(ASPH)
(ASPH)
(CONC)

WF-Y
CR-4
CS-4
CG-30A
CP-10
G
+28.47'NW2' -17.50' LT
+08.56'NW2' -8.52' LT
+83.37'SB' -32.50' LT
+44.69'SB' -24.00' LT
+50.50
+47.04'NB' -2.50' LT
+62.61'NB' 24.00' RT
+52.10'NB' 24.00' RT
MATCH LINE STA 310+40'SB'
MATCH LINE STA 310+55'NB'
34'NW2'
35'NW2'
311'SB'
311'NB'
312'SB'
312'NB'
313'SB'
313'NB'
32'NE2'
33'NE2'
745.82
745.72
745.62
745.52
745.28
744.95
744.62
744.28
744.26±
744.52±
744.65±
746.36
746.27
746.18
746.09
746.00
745.64
745.29
744.93
744.65±
746.29
746.06
745.83
745.60
745.36
745.13
744.90
744.65±
745.93
745.66
745.40
745.15
744.91
744.67
744.43
744.40±
744.15±
12'
19.96'
TRUMAN STREET

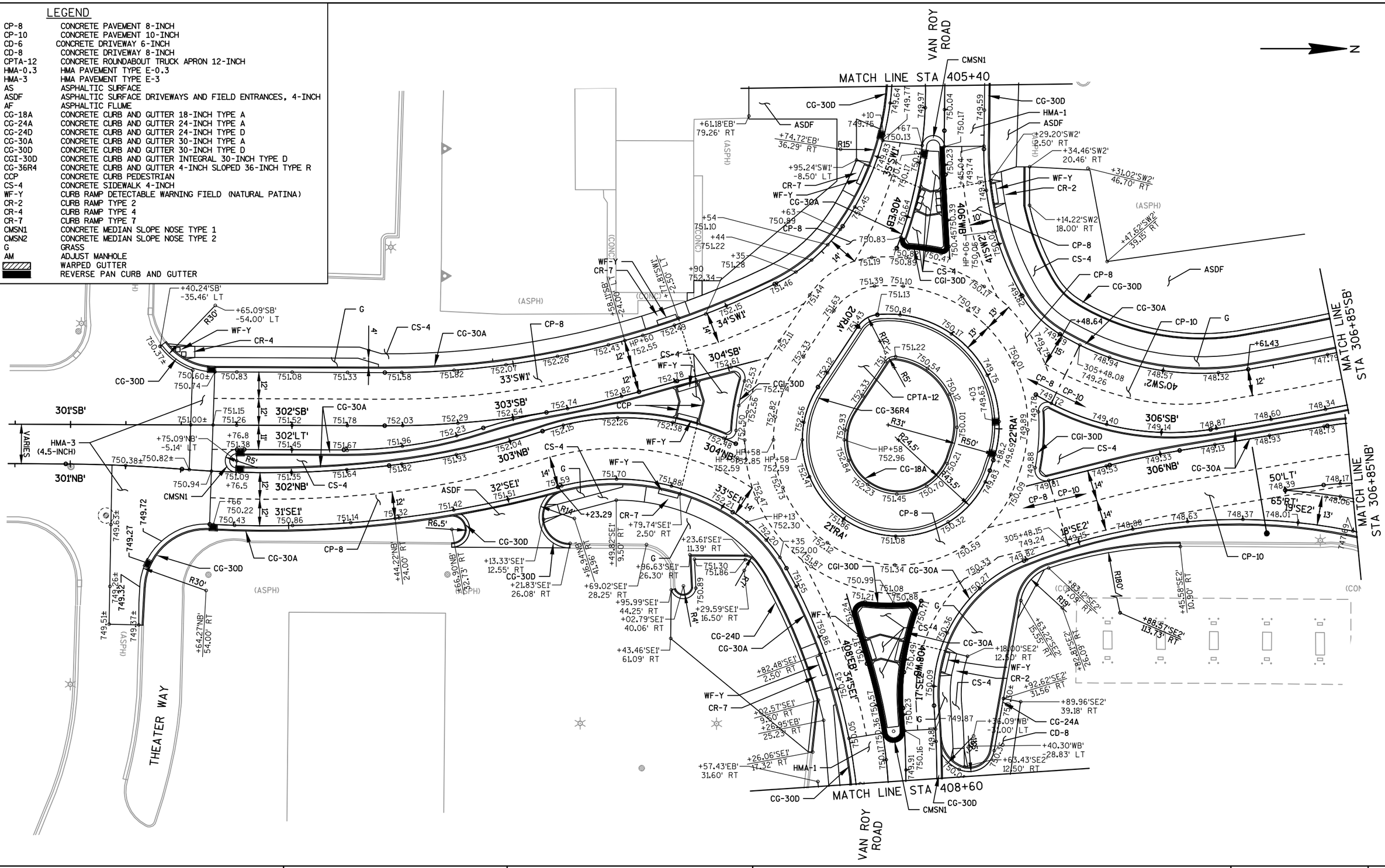
LEGEND

CP-8	CONCRETE PAVEMENT 8-INCH
CP-10	CONCRETE PAVEMENT 10-INCH
CD-6	CONCRETE DRIVEWAY 6-INCH
CD-8	CONCRETE DRIVEWAY 8-INCH
CPTA-12	CONCRETE ROUNDABOUT TRUCK APRON 12-INCH
HMA-0.3	HMA PAVEMENT TYPE E-0.3
HMA-3	HMA PAVEMENT TYPE E-3
AS	ASPHALTIC SURFACE
ASDF	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES, 4-INCH
AF	ASPHALTIC FLUME
CG-18A	CONCRETE CURB AND GUTTER 18-INCH TYPE A
CG-24A	CONCRETE CURB AND GUTTER 24-INCH TYPE A
CG-24D	CONCRETE CURB AND GUTTER 24-INCH TYPE D
CG-30A	CONCRETE CURB AND GUTTER 30-INCH TYPE A
CG-30D	CONCRETE CURB AND GUTTER 30-INCH TYPE D
CGI-30D	CONCRETE CURB AND GUTTER INTEGRAL 30-INCH TYPE D
CG-36R4	CONCRETE CURB AND GUTTER 4-INCH SLOPED 36-INCH TYPE R
CCP	CONCRETE CURB PEDESTRIAN
CS-4	CONCRETE SIDEWALK 4-INCH
WF-Y	CURB RAMP DETECTABLE WARNING FIELD (NATURAL PATINA)
CR-2	CURB RAMP TYPE 2
CR-4	CURB RAMP TYPE 4
CR-7	CURB RAMP TYPE 7
CMSN1	CONCRETE MEDIAN SLOPE NOSE TYPE 1
CMSN2	CONCRETE MEDIAN SLOPE NOSE TYPE 2
G	GRASS
AM	ADJUST MANHOLE
	WARPED GUTTER
	REVERSE PAN CURB AND GUTTER

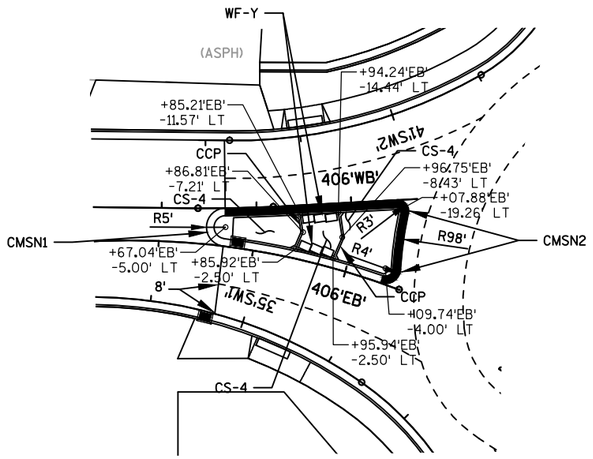
PROJECT NO: 4160-05-71 / 4160-05-73	HWY: CTH CE	COUNTY: OUTAGAMIE	PAVING DETAIL - EISENHOWER DRIVE SOUTH	SHEET 28	E

LEGEND

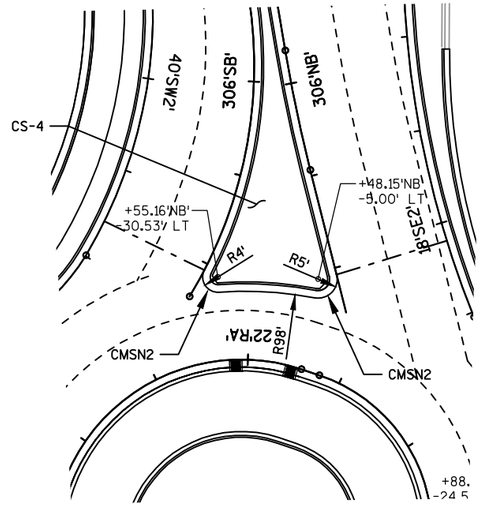
CP-8	CONCRETE PAVEMENT 8-INCH
CP-10	CONCRETE PAVEMENT 10-INCH
CD-6	CONCRETE DRIVEWAY 6-INCH
CD-8	CONCRETE DRIVEWAY 8-INCH
CPTA-12	CONCRETE ROUNDABOUT TRUCK APRON 12-INCH
HMA-0.3	HMA PAVEMENT TYPE E-0.3
HMA-3	HMA PAVEMENT TYPE E-3
AS	ASPHALTIC SURFACE
ASDF	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES, 4-INCH
AF	ASPHALTIC FLUME
CG-18A	CONCRETE CURB AND GUTTER 18-INCH TYPE A
CG-24A	CONCRETE CURB AND GUTTER 24-INCH TYPE A
CG-24D	CONCRETE CURB AND GUTTER 24-INCH TYPE D
CG-30A	CONCRETE CURB AND GUTTER 30-INCH TYPE A
CG-30D	CONCRETE CURB AND GUTTER 30-INCH TYPE D
CGI-30D	CONCRETE CURB AND GUTTER INTEGRAL 30-INCH TYPE D
CG-36R4	CONCRETE CURB AND GUTTER 4-INCH SLOPED 36-INCH TYPE R
CCP	CONCRETE CURB PEDESTRIAN
CS-4	CONCRETE SIDEWALK 4-INCH
WF-Y	CURB RAMP DETECTABLE WARNING FIELD (NATURAL PATINA)
CR-2	CURB RAMP TYPE 2
CR-4	CURB RAMP TYPE 4
CR-7	CURB RAMP TYPE 7
CMSN1	CONCRETE MEDIAN SLOPE NOSE TYPE 1
CMSN2	CONCRETE MEDIAN SLOPE NOSE TYPE 2
G	GRASS
AM	ADJUST MANHOLE
	WARPED GUTTER
	REVERSE PAN CURB AND GUTTER



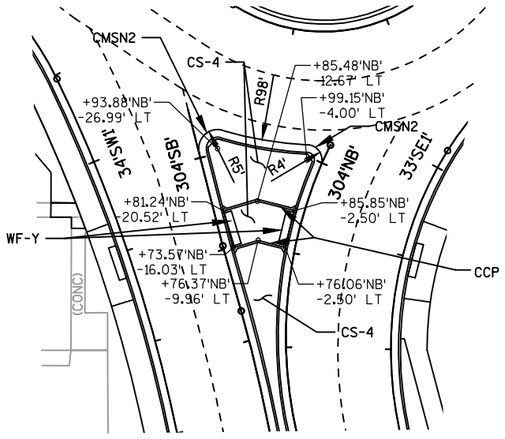
PROJECT NO: 4160-05-71 / 4160-05-73	HWY: CTH CE	COUNTY: OUTAGAMIE	PAVING DETAIL - EISENHOWER DRIVE SOUTH	SHEET 29 E



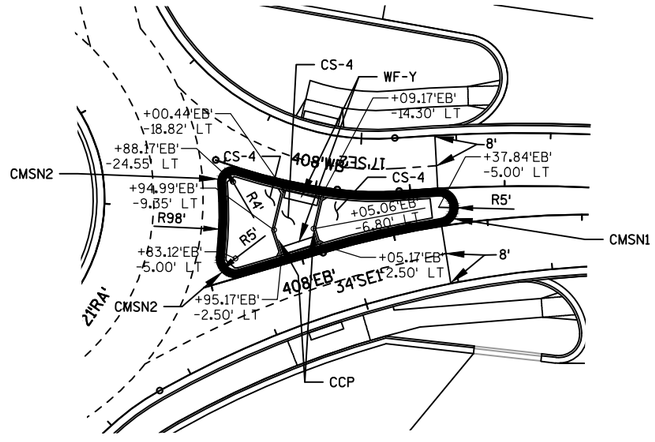
VAN ROY WEST LEG



VAN ROY & S. EISENHOWER DR



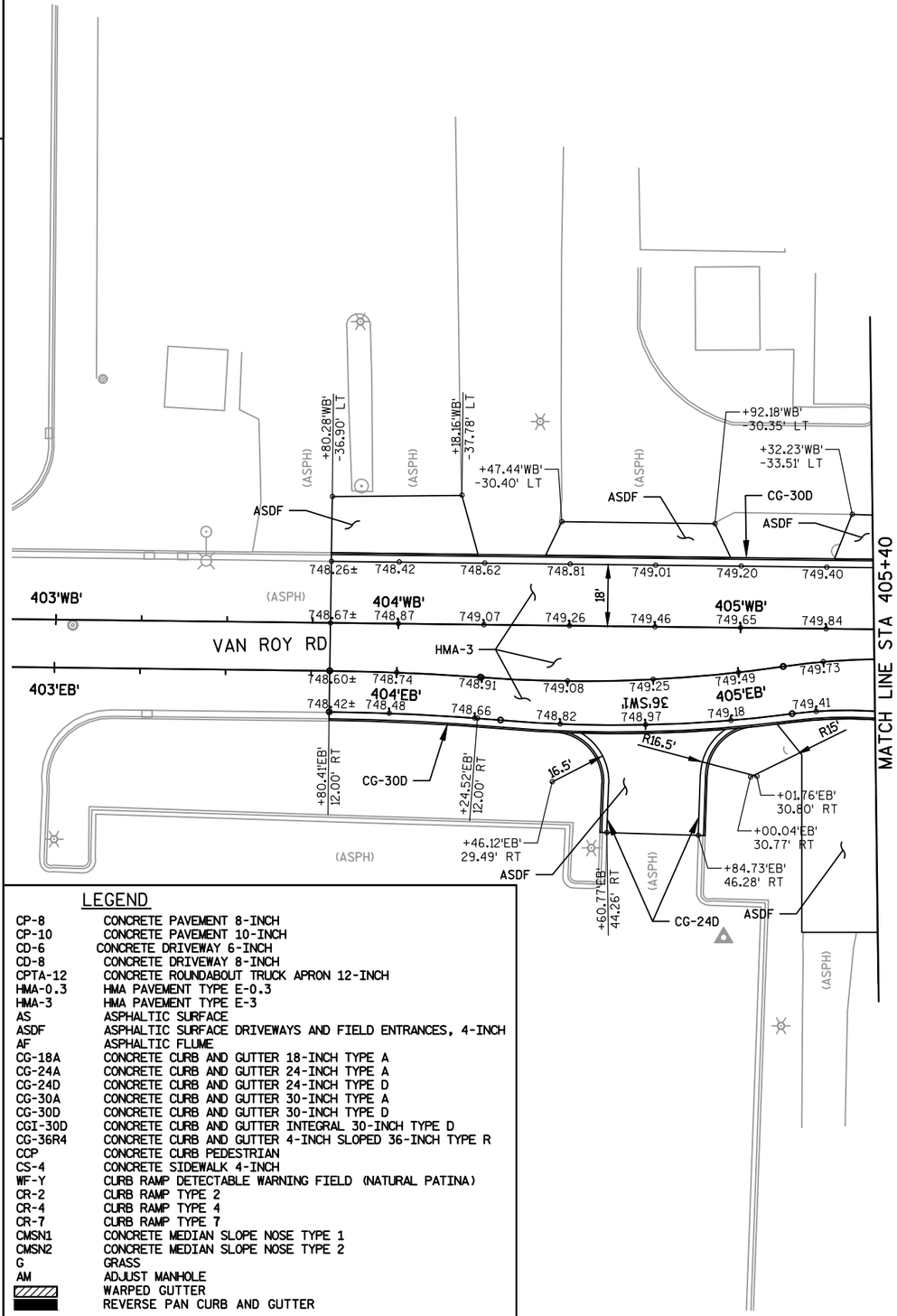
VAN ROY & S. EISENHOWER DR



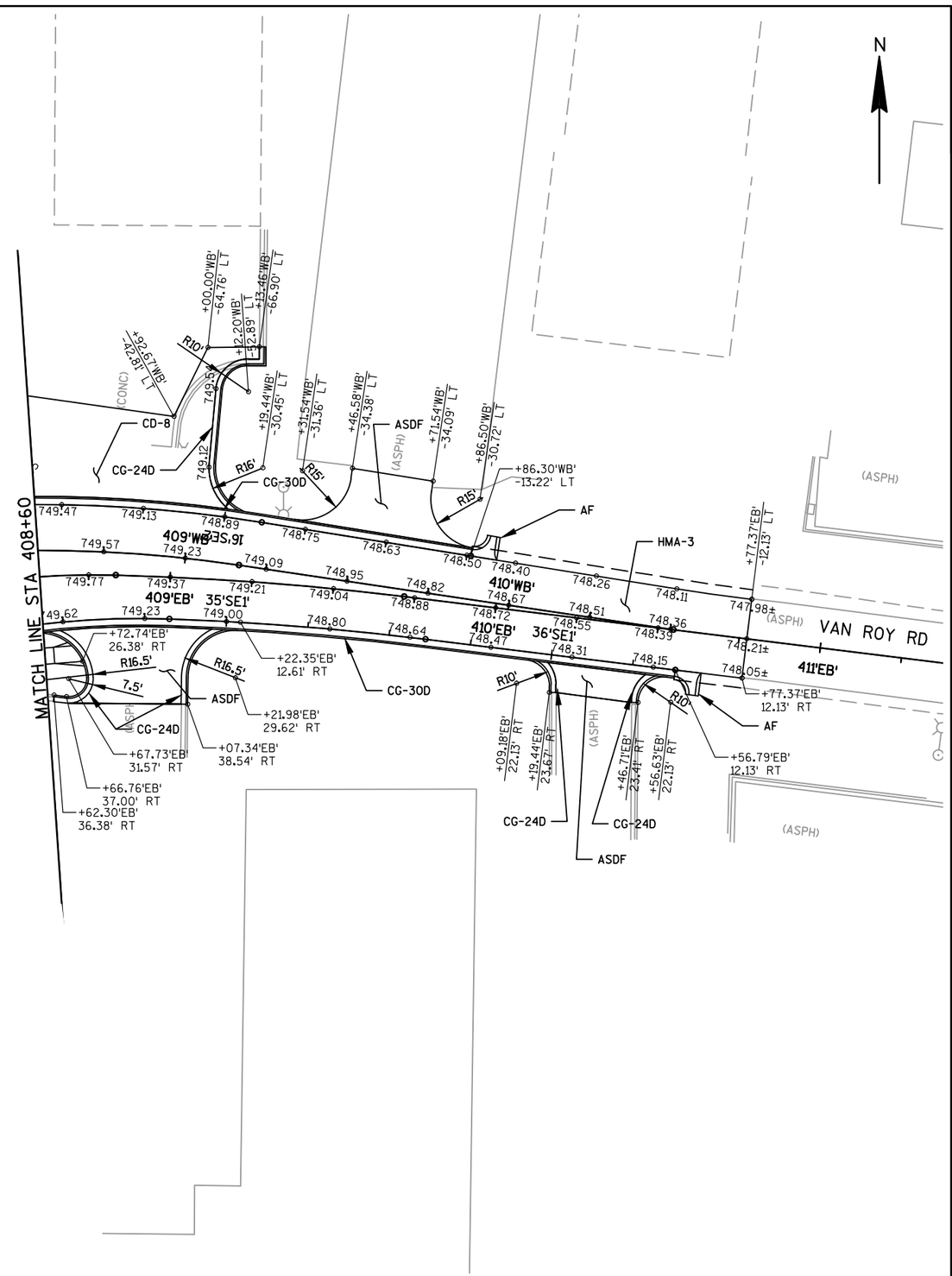
VAN ROY EAST LEG

LEGEND

CP-8	CONCRETE PAVEMENT 8-INCH
CP-10	CONCRETE PAVEMENT 10-INCH
CD-6	CONCRETE DRIVEWAY 6-INCH
CD-8	CONCRETE DRIVEWAY 8-INCH
CPTA-12	CONCRETE ROUNDABOUT TRUCK APRON 12-INCH
HMA-0.3	HMA PAVEMENT TYPE E-0.3
HMA-3	HMA PAVEMENT TYPE E-3
AS	ASPHALTIC SURFACE
ASDF	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES, 4-INCH
AF	ASPHALTIC FLUME
CG-18A	CONCRETE CURB AND GUTTER 18-INCH TYPE A
CG-24A	CONCRETE CURB AND GUTTER 24-INCH TYPE A
CG-24D	CONCRETE CURB AND GUTTER 24-INCH TYPE D
CG-30A	CONCRETE CURB AND GUTTER 30-INCH TYPE A
CG-30D	CONCRETE CURB AND GUTTER 30-INCH TYPE D
CGI-30D	CONCRETE CURB AND GUTTER INTEGRAL 30-INCH TYPE D
CG-36R4	CONCRETE CURB AND GUTTER 4-INCH SLOPED 36-INCH TYPE R
CCP	CONCRETE CURB PEDESTRIAN
CS-4	CONCRETE SIDEWALK 4-INCH
WF-Y	CURB RAMP DETECTABLE WARNING FIELD (NATURAL PATINA)
CR-2	CURB RAMP TYPE 2
CR-4	CURB RAMP TYPE 4
CR-7	CURB RAMP TYPE 7
CMSN1	CONCRETE MEDIAN SLOPE NOSE TYPE 1
CMSN2	CONCRETE MEDIAN SLOPE NOSE TYPE 2
G	GRASS
AM	ADJUST MANHOLE
	WARPED GUTTER
	REVERSE PAN CURB AND GUTTER



EISENHOWER DRIVE



EISENHOWER DRIVE

LEGEND

CP-8	CONCRETE PAVEMENT 8-INCH
CP-10	CONCRETE PAVEMENT 10-INCH
CD-6	CONCRETE DRIVEWAY 6-INCH
CD-8	CONCRETE DRIVEWAY 8-INCH
CPTA-12	CONCRETE ROUNDABOUT TRUCK APRON 12-INCH
HMA-0.3	HMA PAVEMENT TYPE E-0.3
HMA-3	HMA PAVEMENT TYPE E-3
AS	ASPHALTIC SURFACE
ASDF	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES, 4-INCH
AF	ASPHALTIC FLUME
CG-18A	CONCRETE CURB AND GUTTER 18-INCH TYPE A
CG-24A	CONCRETE CURB AND GUTTER 24-INCH TYPE A
CG-24D	CONCRETE CURB AND GUTTER 24-INCH TYPE D
CG-30A	CONCRETE CURB AND GUTTER 30-INCH TYPE A
CG-30D	CONCRETE CURB AND GUTTER 30-INCH TYPE D
CGI-30D	CONCRETE CURB AND GUTTER INTEGRAL 30-INCH TYPE D
CG-36R4	CONCRETE CURB AND GUTTER 4-INCH SLOPED 36-INCH TYPE R
CCP	CONCRETE CURB PEDESTRIAN
CS-4	CONCRETE SIDEWALK 4-INCH
WF-Y	CURB RAMP DETECTABLE WARNING FIELD (NATURAL PATINA)
CR-2	CURB RAMP TYPE 2
CR-4	CURB RAMP TYPE 4
CR-7	CURB RAMP TYPE 7
CMSN1	CONCRETE MEDIAN SLOPE NOSE TYPE 1
CMSN2	CONCRETE MEDIAN SLOPE NOSE TYPE 2
G	GRASS
AM	ADJUST MANHOLE
	WARPED GUTTER
	REVERSE PAN CURB AND GUTTER

2

N

SLOPE INTERCEPT

202'WB' 203'WB' 204'WB' 205'WB'

CTH CE (E COLLEGE AVE)

200'EB' 201'EB' 202'EB' 203'EB' 204'EB' 205'EB'

MATCH LINE STA 205+65

LEGEND

- EROSION MAT URBAN CLASS I, TYPE A
- EROSION MAT CLASS I, TYPE B
- SILT FENCE
- RIP RAP OR STONE DITCH CHECK
- INLET PROTECTION
- TEMPORARY DITCH CHECK
- CULVERT PIPE DITCH CHECK
- SURFACE FLOW ARROW

PROJECT NO: 4160-05-71 / 4160-05-73	HWY: CTH CE	COUNTY: OUTAGAMIE	EROSION CONTROL	SHEET 32	E

2

2

N

SLOPE INTERCEPT

206'WB' 207'WB' 208'WB' 209'WB' 210'WB' 211'WB'

C

A

CTH CE (E COLLEGE AVE)

206'EB' 207'EB' 208'EB' 209'EB' 210'EB' 211'EB'

MATCH LINE STA 205+65

MATCH LINE STA 211+65

(CONC)

(CONC)

LOWES LANE

SLOPE INTERCEPT

(ASPH)

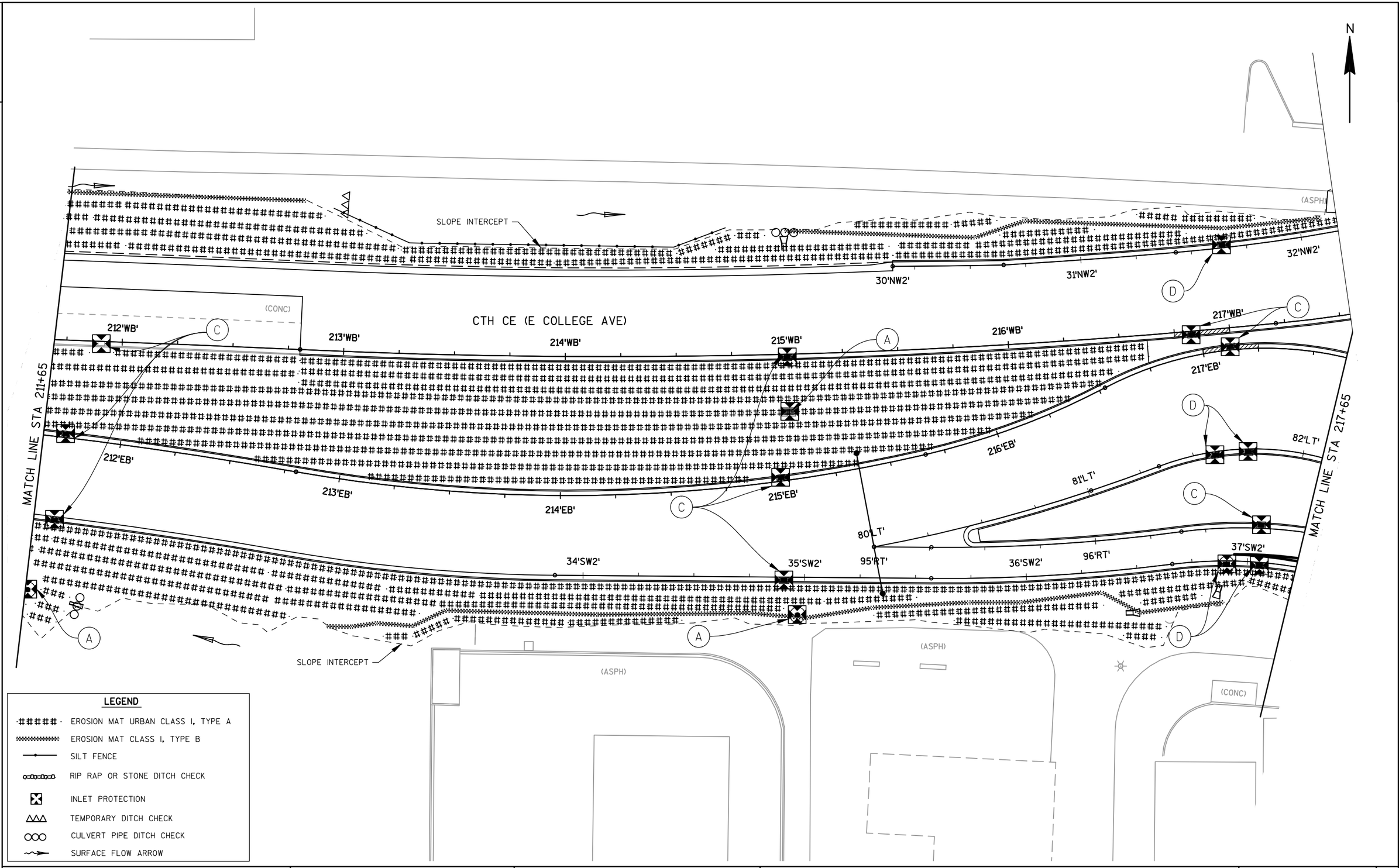
(ASPH)

LEGEND

- EROSION MAT URBAN CLASS I, TYPE A
- EROSION MAT CLASS I, TYPE B
- SILT FENCE
- RIP RAP OR STONE DITCH CHECK
- INLET PROTECTION
- TEMPORARY DITCH CHECK
- CULVERT PIPE DITCH CHECK
- SURFACE FLOW ARROW

PROJECT NO: 4160-05-71 / 4160-05-73	HWY: CTH CE	COUNTY: OUTAGAMIE	EROSION CONTROL	SHEET 33	E

2

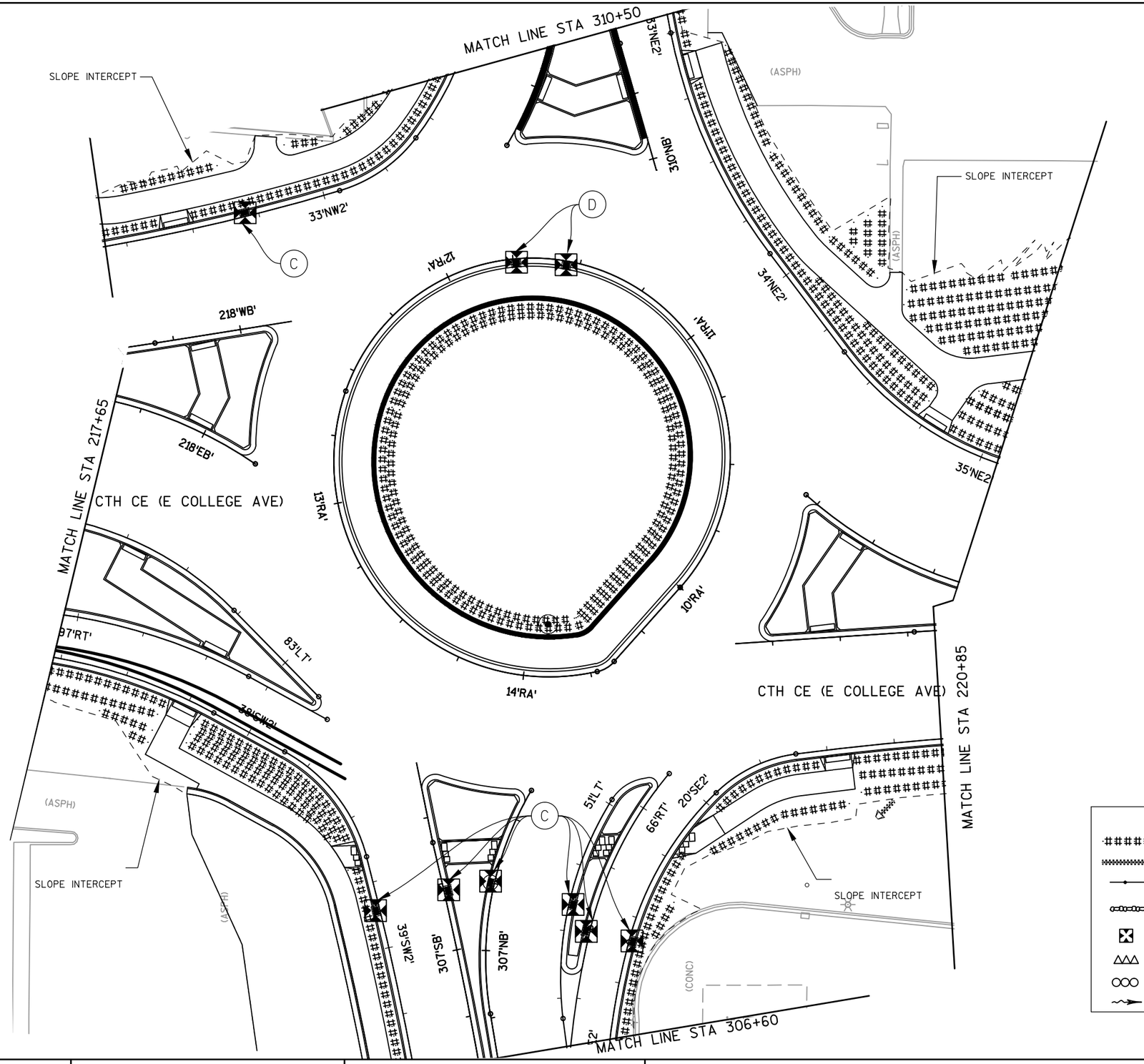


LEGEND

- EROSION MAT URBAN CLASS I, TYPE A
- EROSION MAT CLASS I, TYPE B
- SILT FENCE
- RIP RAP OR STONE DITCH CHECK
- INLET PROTECTION
- TEMPORARY DITCH CHECK
- CULVERT PIPE DITCH CHECK
- SURFACE FLOW ARROW

PROJECT NO: 4160-05-71 / 4160-05-73	HWY: CTH CE	COUNTY: OUTAGAMIE	EROSION CONTROL	SHEET 34	E

2



LEGEND

- EROSION MAT URBAN CLASS I, TYPE A
- EROSION MAT CLASS I, TYPE B
- SILT FENCE
- RIP RAP OR STONE DITCH CHECK
- INLET PROTECTION
- TEMPORARY DITCH CHECK
- CULVERT PIPE DITCH CHECK
- SURFACE FLOW ARROW

PROJECT NO: 4160-05-71 / 4160-05-73	HWY: CTH CE	COUNTY: OUTAGAMIE	EROSION CONTROL	SHEET 35	E

2

N

SLOPE INTERCEPT

36'NE2'

221'WB'

222'WB'

223'WB'

224'WB'

225'WB'

226'WB'

221'EB'

222'EB'

223'EB'

224'EB'

225'EB'

226'EB'

21'SE2'

22'SE2'

C

CTH CE (E COLLEGE AVE)

MATCH LINE STA 220+85

MATCH LINE STA 226+85

SLOPE INTERCEPT

(H)

LEGEND

- EROSION MAT URBAN CLASS I, TYPE A
- EROSION MAT CLASS I, TYPE B
- SILT FENCE
- RIP RAP OR STONE DITCH CHECK
- INLET PROTECTION
- TEMPORARY DITCH CHECK
- CULVERT PIPE DITCH CHECK
- SURFACE FLOW ARROW

PROJECT NO: 4160-05-71 / 4160-05-73	HWY: CTH CE	COUNTY: OUTAGAMIE	EROSION CONTROL	SHEET 36	E

2

N

(ASPH)

(ASPH)

SLOPE INTERCEPT

COBBLESTONE LANE

MATCH LINE STA 226+85

227'WB'

228'WB'

229'WB'

230'WB'

231'WB'

232'WB'

227'EB'

228'EB'

229'EB'

230'EB'

231'EB'

232'EB'

C

C

(ASPH)

CTH CE (E COLLEGE AVE)

SLOPE INTERCEPT

MATCH LINE STA 232+85

LEGEND

- EROSION MAT URBAN CLASS I, TYPE A
- EROSION MAT CLASS I, TYPE B
- SILT FENCE
- RIP RAP OR STONE DITCH CHECK
- INLET PROTECTION
- TEMPORARY DITCH CHECK
- CULVERT PIPE DITCH CHECK
- SURFACE FLOW ARROW

PROJECT NO: 4160-05-71 / 4160-05-73	HWY: CTH CE	COUNTY: OUTAGAMIE	EROSION CONTROL	SHEET 37	E

2

N

MATCH LINE STA 232+85

233'WB' 234'WB' 235'WB' 236'WB' 237'WB' 238'WB'

233'EB' 234'EB' 235'EB' 236'EB' 237'EB' 238'EB'

CTH CE (E COLLEGE AVE)

LEGEND

- ##### EROSION MAT URBAN CLASS I, TYPE A
- EROSION MAT CLASS I, TYPE B
- SILT FENCE
- RIP RAP OR STONE DITCH CHECK
- INLET PROTECTION
- TEMPORARY DITCH CHECK
- CULVERT PIPE DITCH CHECK
- SURFACE FLOW ARROW

PROJECT NO: 4160-05-71 / 4160-05-73	HWY: CTH CE	COUNTY: OUTAGAMIE	EROSION CONTROL	SHEET 38	E

2

LEGEND

- EROSION MAT URBAN CLASS I, TYPE A
- EROSION MAT CLASS I, TYPE B
- SILT FENCE
- RIP RAP OR STONE DITCH CHECK
- INLET PROTECTION
- TEMPORARY DITCH CHECK
- CULVERT PIPE DITCH CHECK
- SURFACE FLOW ARROW

N

MATCH LINE STA 405+40

VAN ROY ROAD

(ASPH)

(CONC)

SLOPE INTERCEPT

301'SB'

301'NB'

302'SB'

302'LT'

302'NB'

303'SB'

303'NB'

304'SB'

304'NB'

33'SW1'

34'SW1'

35'SW1'

406'EB'

406'WB'

41'SW2'

40'SW2'

20'RA'

21'RA'

22'RA'

306'SB'

306'NB'

50'LT'

65'RT'

19'SE

MATCH LINE STA 306+60

EISENHOWER DR

31'SE1'

32'SE1'

33'SE1'

18'SE2'

17'SE2'

408'EB'

408'WB'

3,4'SE1'

THEATER WAY

MATCH LINE STA 408+60

VAN ROY ROAD

PROJECT NO: 4160-05-71 / 4160-05-73	HWY: CTH CE	COUNTY: OUTAGAMIE	EROSION CONTROL	SHEET 39	E

2

2

N

(ASPH)

(ASPH)

(ASPH)

(ASPH)

SLOPE INTERCEPT

(CONC)

(ASPH)

35'NW2'

34'NW2'

312'SB'

313'SB'

(CONC)

311'SB'

312'NB'

(CONC)

313'NB'

EISENHOWER DR

311'NB'

32'NE2'

33'NE2'

MATCH LINE STA 310+50

SLOPE INTERCEPT

(ASPH)

(ASPH)

(ASPH)

(CONC)

TRUMAN STREET

LEGEND

- EROSION MAT URBAN CLASS I, TYPE A
- EROSION MAT CLASS I, TYPE B
- SILT FENCE
- RIP RAP OR STONE DITCH CHECK
- INLET PROTECTION
- TEMPORARY DITCH CHECK
- CULVERT PIPE DITCH CHECK
- SURFACE FLOW ARROW

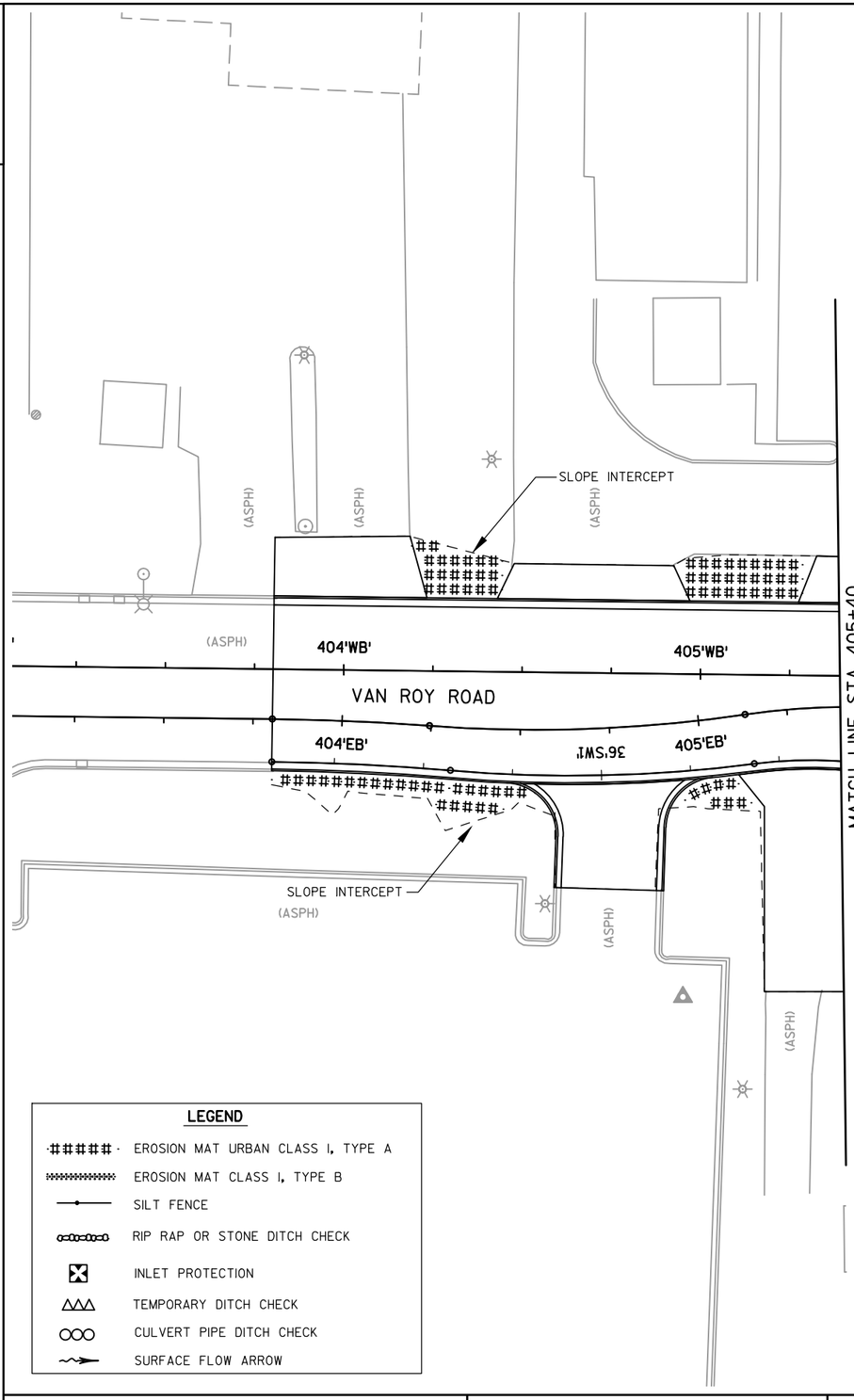
PROJECT NO: 4160-05-71 / 4160-05-73	HWY: CTH CE	COUNTY: OUTAGAMIE	EROSION CONTROL	SHEET 40	E

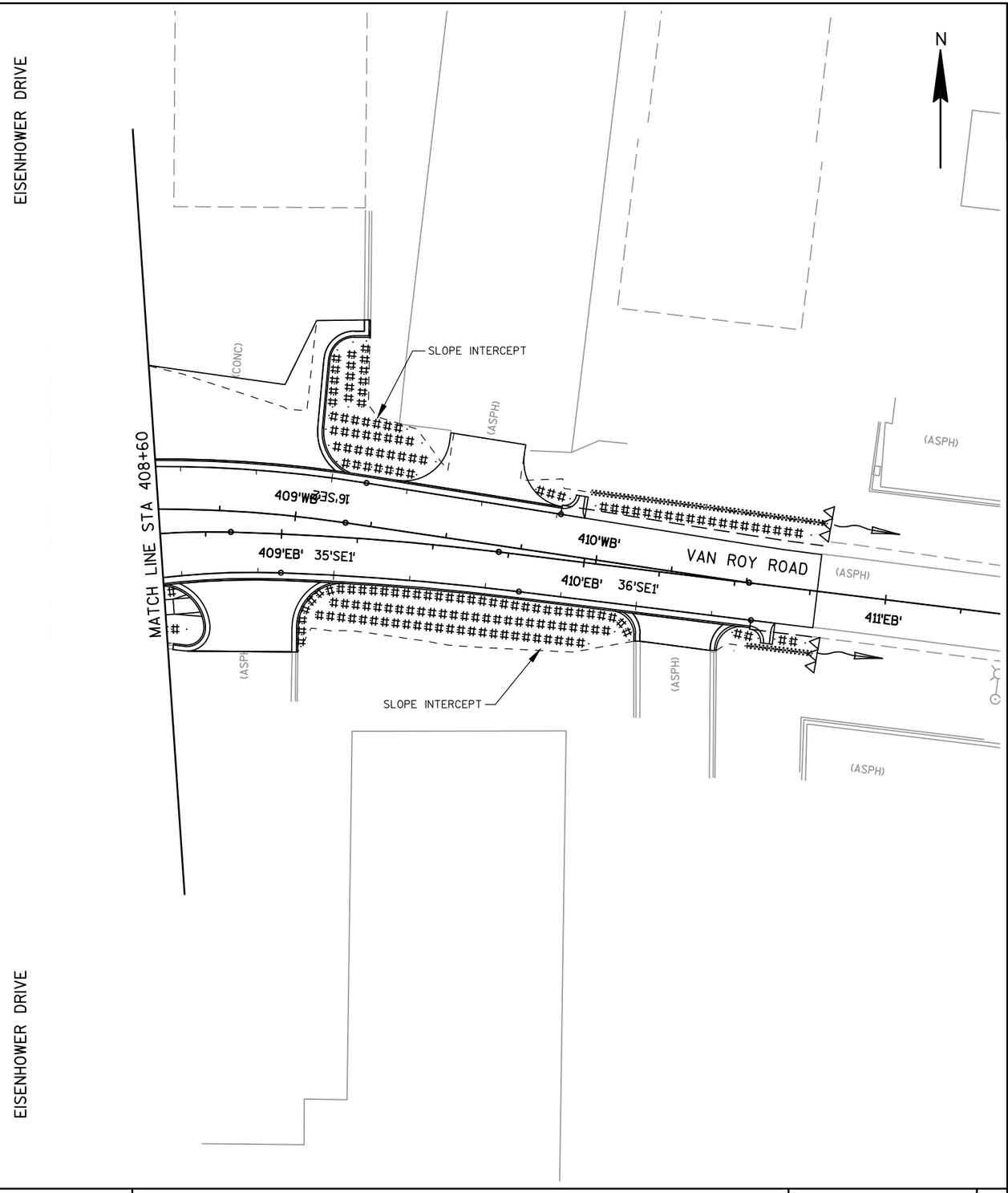
FILE NAME : F:\TR\JOBS\E1887A09\CIVIL 3D 2012\SHEETSPLAN\416005_022001_EC.DWG
416005_022023_ec

PLOT DATE : 10/31/2014 7:20 AM

PLOT BY : OMNNI ASSOCIATES, INC - CRAIG KNUTH

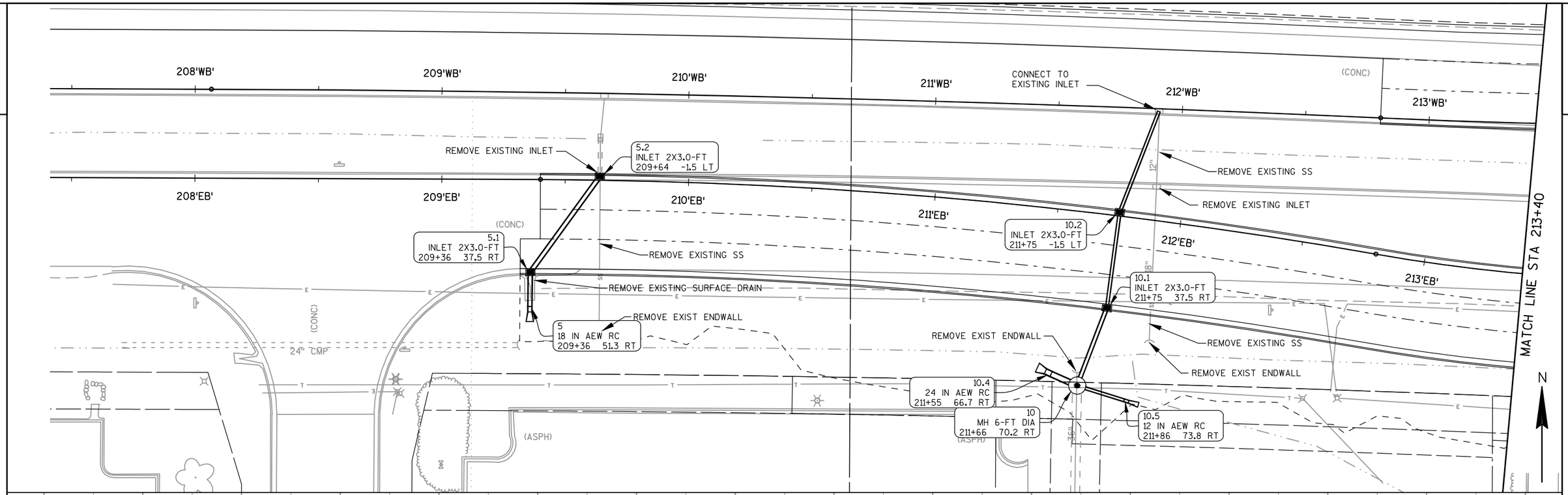
WISDOT/CADDS SHEET 42

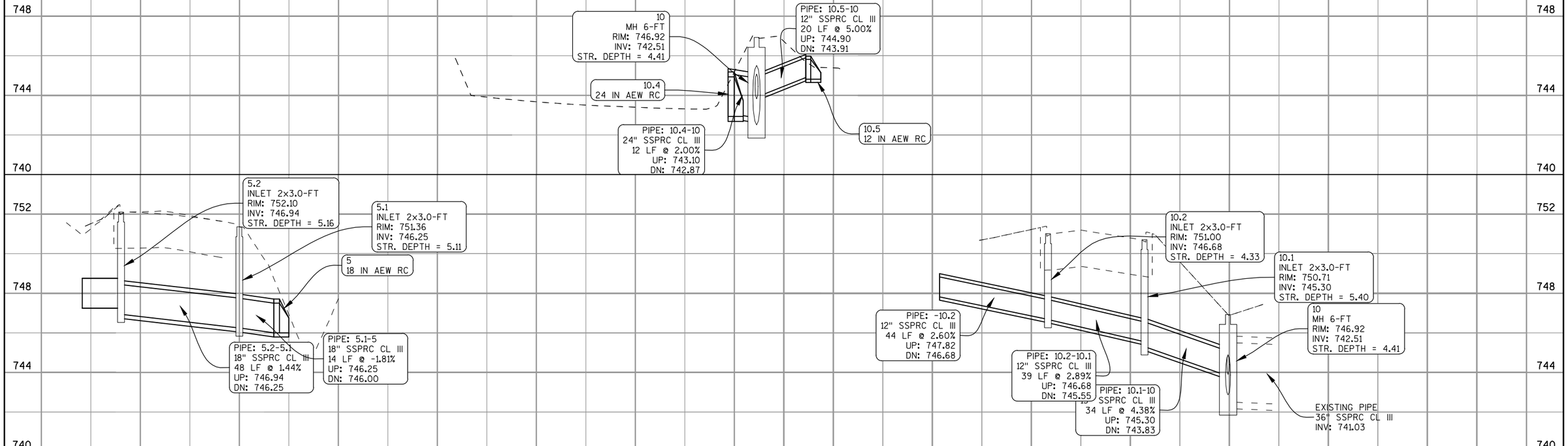




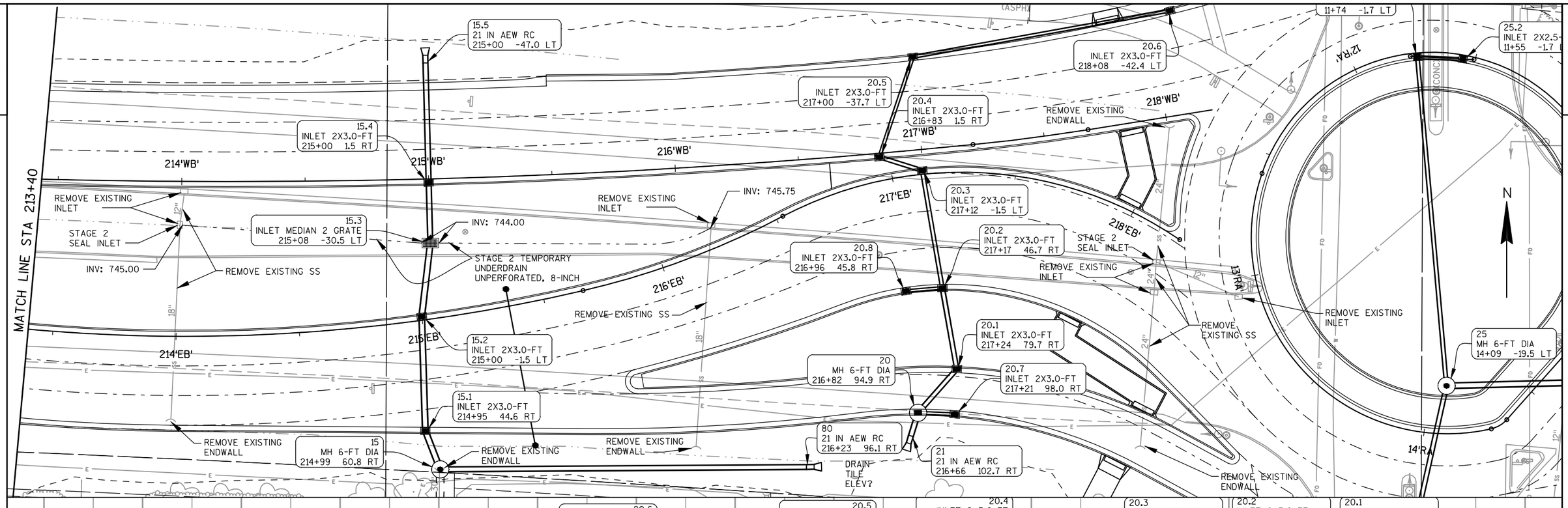
LEGEND

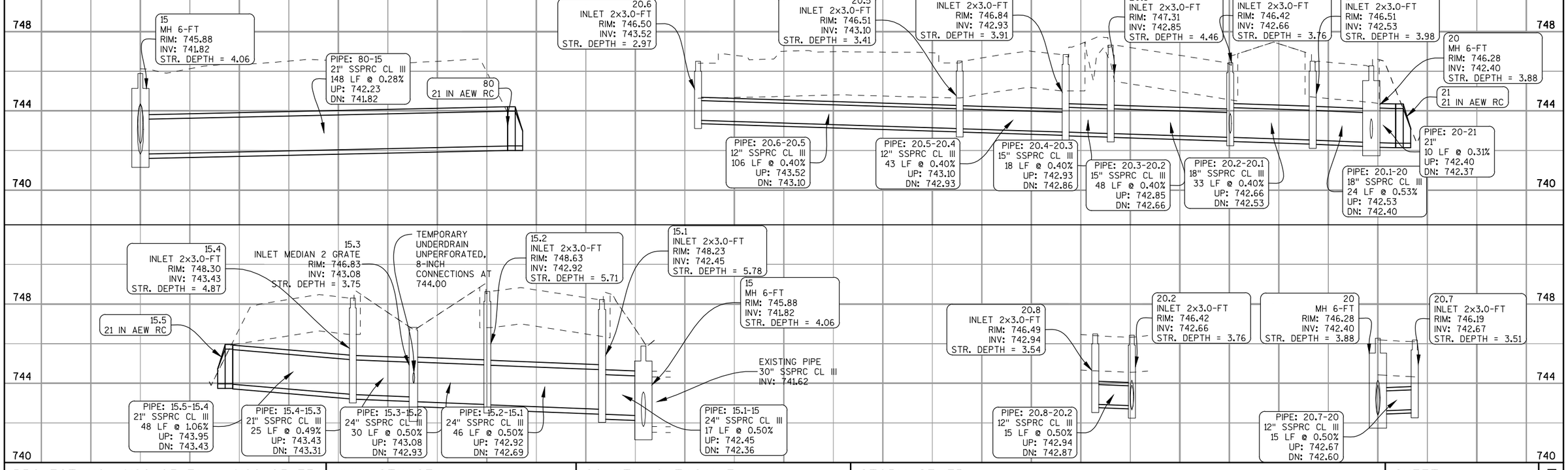
- EROSION MAT URBAN CLASS I, TYPE A
- EROSION MAT CLASS I, TYPE B
- SILT FENCE
- RIP RAP OR STONE DITCH CHECK
- INLET PROTECTION
- TEMPORARY DITCH CHECK
- CULVERT PIPE DITCH CHECK
- SURFACE FLOW ARROW



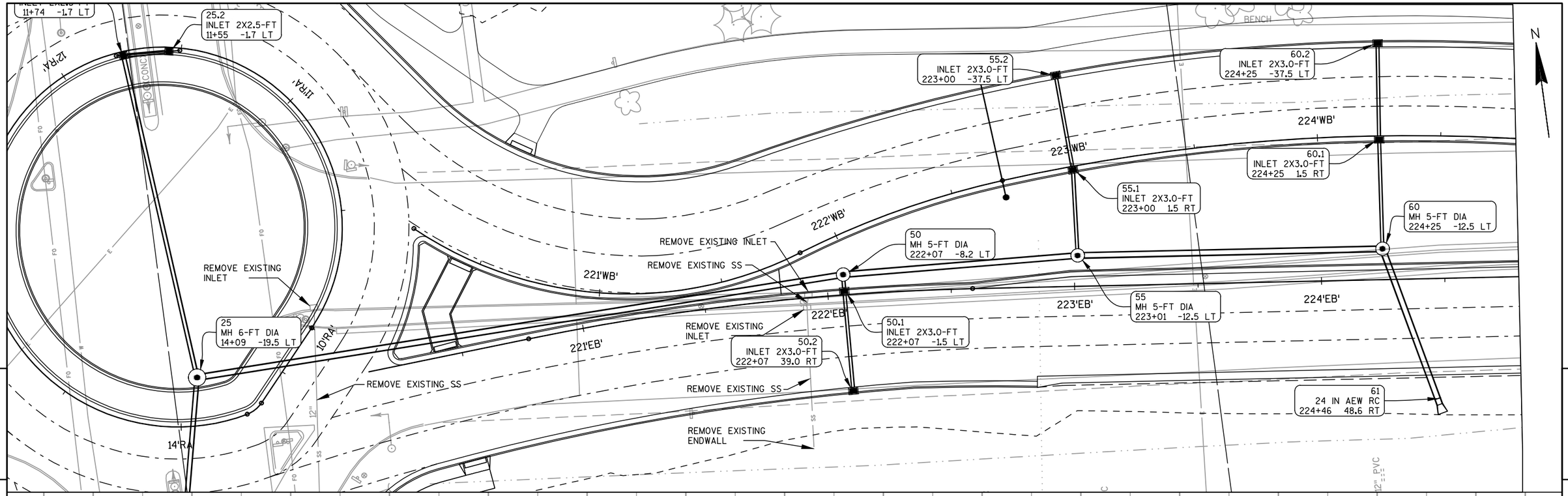


PROJECT NO: 4160-05-71 / 4160-05-73	HWY: CTH CE	COUNTY: OUTAGAMIE	STORM SEWER	SHEET 42	E

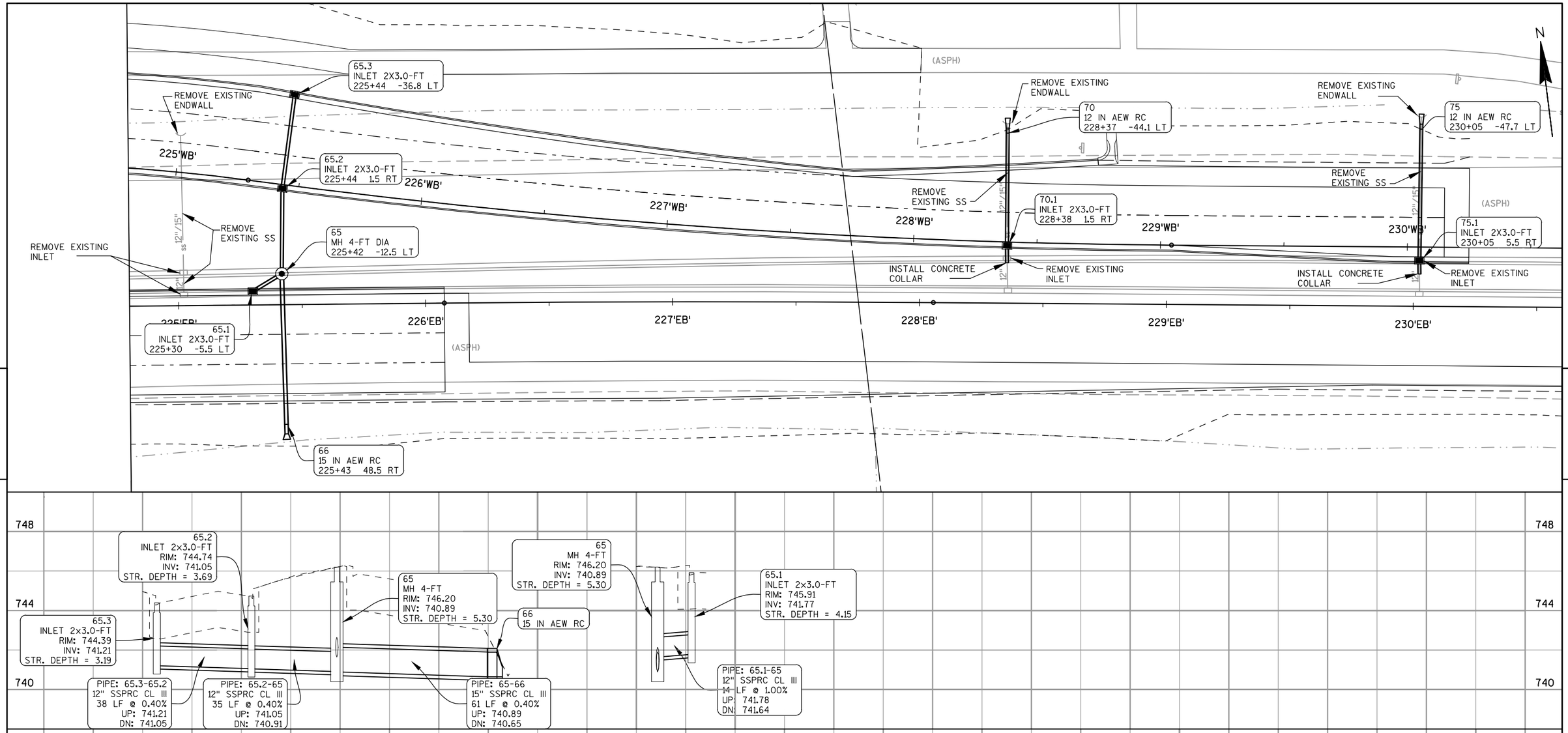


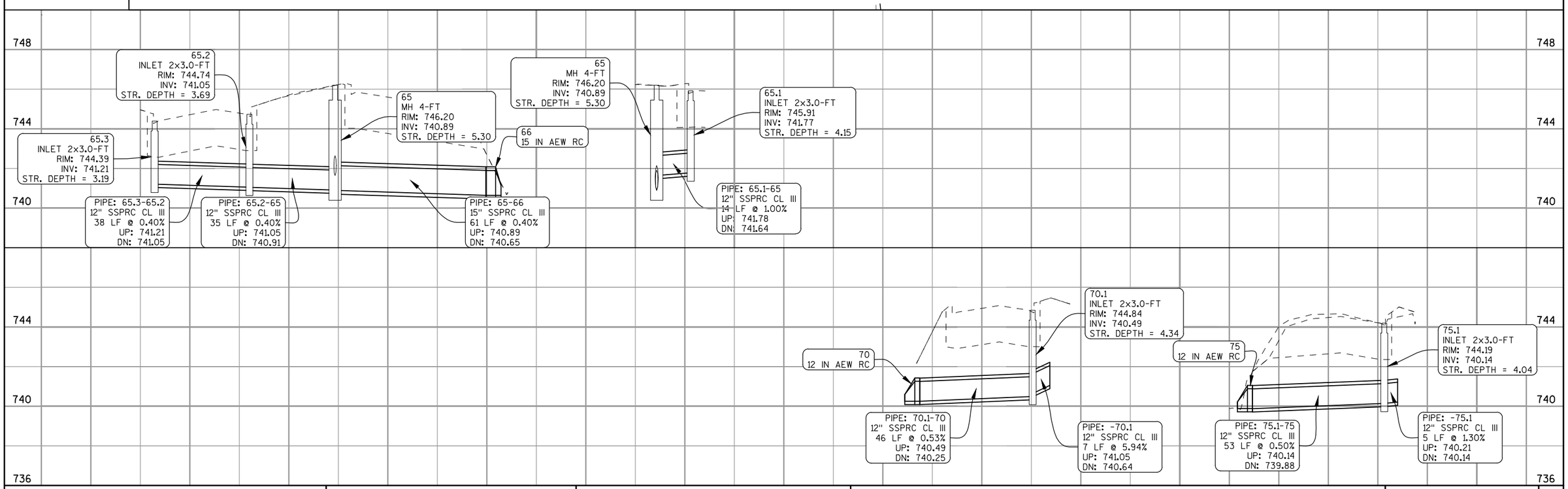


PROJECT NO: 4160-05-71 / 4160-05-73	HWY: CTH CE	COUNTY: OUTAGAMIE	STORM SEWER	SHEET 43	E

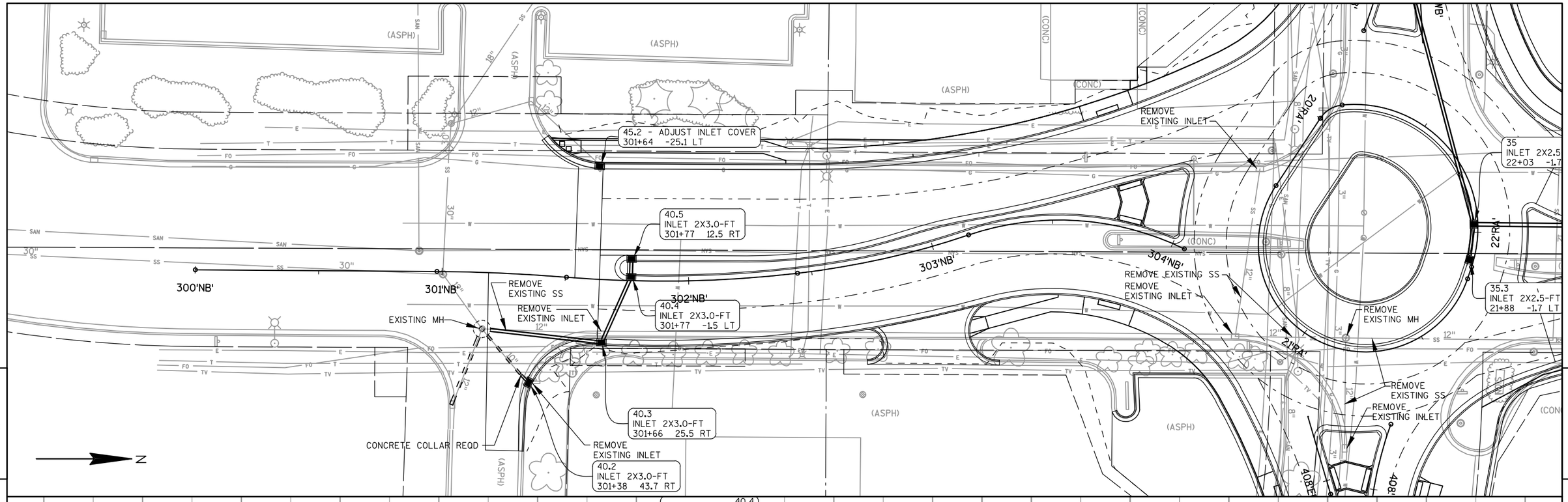


PROJECT NO: 4160-05-71 / 4160-05-73	HWY: CTH CE	COUNTY: OUTAGAMIE	STORM SEWER	SHEET 44	E





PROJECT NO: 4160-05-71 / 4160-05-73	HWY: CTH CE	COUNTY: OUTAGAMIE	STORM SEWER	SHEET 45	E

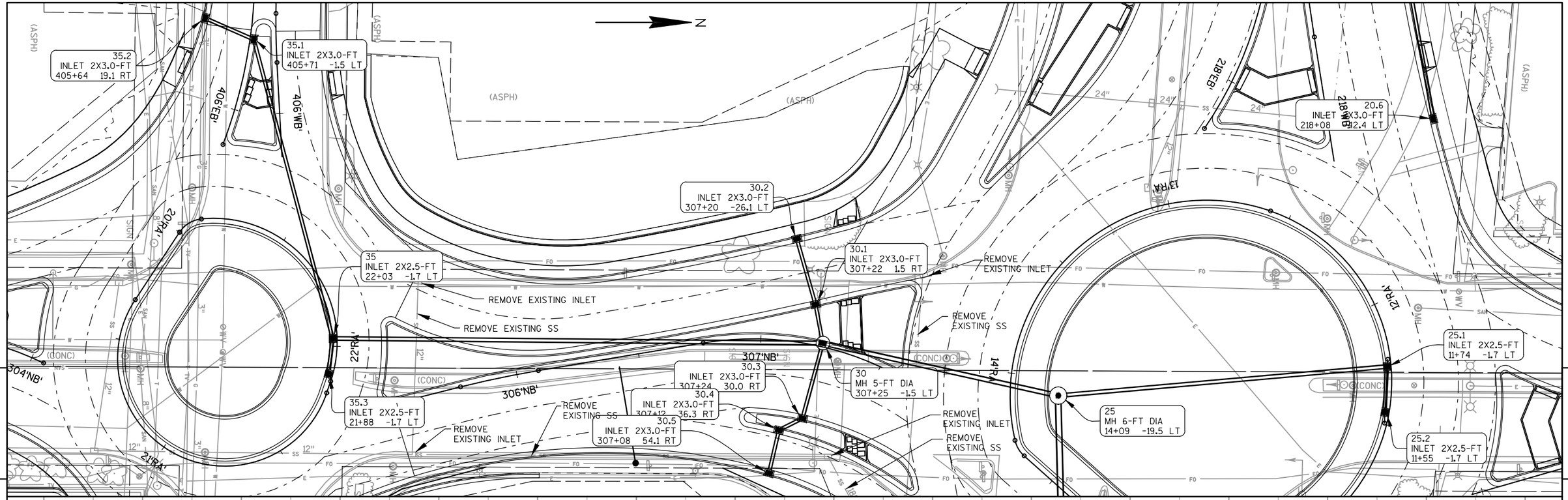


PROJECT NO: 4160-05-71 / 4160-05-73	HWY: CTH CE	COUNTY: OUTAGAMIE	STORM SEWER	SHEET 46	E

FILE NAME : F:\TR\JOBS\E1887A09\CIVIL 3D 2012\SHEETSPLAN\416005_022501_SS.DWG
416005_022505_ss

PLOT DATE : 10/29/2014 2:05 PM PLOT BY : OMNNI ASSOCIATES, INC - CRAIG KNUTH

WISDOT/CADDS SHEET 44


N
35.2
INLET 2X3.0-FT
405+64 19.1 RT
35.1
INLET 2X3.0-FT
405+71 -1.5 LT
406'EB'
406'WB'
(ASPH)
(ASPH)
(ASPH)
(ASPH)
218'EB'
218'WB'
24"
24"
24"
20.6
INLET 2X3.0-FT
218+08 12.4 LT
13'RA'
30.2
INLET 2X3.0-FT
307+20 -26.1 LT
30.1
INLET 2X3.0-FT
307+22 1.5 RT
REMOVE
EXISTING INLET
REMOVE
EXISTING SS
35
INLET 2X2.5-FT
22+03 -1.7 LT
REMOVE EXISTING INLET
REMOVE EXISTING SS
22'RA'
20'RA'
21'RA'
12'RA'
14'RA'
304'NB'
306'NB'
307'NB'
30.3
INLET 2X3.0-FT
307+24 30.0 RT
30.4
INLET 2X3.0-FT
307+12 36.3 RT
30.5
INLET 2X3.0-FT
307+08 54.1 RT
30
MH 5-FT DIA
307+25 -1.5 LT
35.3
INLET 2X2.5-FT
21+88 -1.7 LT
REMOVE
EXISTING SS
REMOVE
EXISTING INLET
REMOVE
EXISTING INLET
REMOVE
EXISTING SS
25
MH 6-FT DIA
14+09 -19.5 LT
25.1
INLET 2X2.5-FT
11+74 -1.7 LT
25.2
INLET 2X2.5-FT
11+55 -1.7 LT
(CONC)
(CONC)
(CONC)
(CONC)
12"
12"
12"
12"
12"
12"
SAN
SAN
SAN

2

INLET 2X3.0-FT
217+24 79.7 RT

20.7
INLET 2X3.0-FT
217+21 98.0 RT

25
MH 6-FT DIA
14+09 -19.5 LT

221'WB'

10'RA

221'EB'

222'EB'

223'EB'

50
MH 5-FT DIA
222+07 -9.2 LT

INLET 2X3.0-FT
223+00 1.5 RT

50.1
INLET 2X3.0-FT
222+07 -1.5 LT

50.2
INLET 2X3.0-FT
222+07 39.0 RT

55
MH 5-FT DIA
223+01 -12.5 LT

REMOVE EXISTING SS

REMOVE EXISTING INLET

REMOVE EXISTING
ENDWALL

REMOVE EXISTING SS

14'RA

RC
02.7 RT

(ASPH)

SIGN

30.1
INLET 2X3.0-FT
307+22 1.5 RT

30
MH 5-FT DIA
307+25 -1.5 LT

80.1
15 IN AEW CMP
220+59 67.6 RT

45 DEG BEND
220+32 90.6 RT

30.2
INLET 2X3.0-FT
307+20 -26.1 LT

30.3
INLET 2X3.0-FT
307+24 30.0 RT

30.4
INLET 2X3.0-FT
307+12 36.3 RT

30.5
INLET 2X3.0-FT
307+08 54.1 RT

CONNECT TO EXISTING
CMP PIPE

8" PVC

4" PVC

4" PVC

(CONC)

N

746

744

742

740

80.1
15 IN AEW CMP

PIPE: 45 DEG BEND-80.1
15" CMP
36 LF @ 1.40%
UP: 744.00
DN: 743.50

PROJECT NO: 4160-05-71 / 4160-05-73	HWY: CTH CE	COUNTY: OUTAGAMIE	STORM SEWER	SHEET 48	E

2

N

APPLETON
OSHKOSH
GREEN BAY
ESTR

SOUTH 441 | WEST COUNTY CE | NORTH 441
M101

RIGHT LANE MUST TURN RIGHT
R3-7R
30"X30"
100

202'WB' 203'WB' 204'WB' 205'WB'

CTH CE (E COLLEGE AVE)

MATCH LINE STA 205+65

200'EB' 201'EB' 202'EB' 203'EB' 204'EB' 205'EB'

SPEED LIMIT 40
ESTR

101
SPEED LIMIT 40
R2-1
30"X36"

WRONG WAY
ESTR

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON SIGNAL, UTILITY POLE, OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON SIGNAL, UTILITY POLE, OR SIGN BRIDGE
- FLAGS; 16"X16" MIN, ORANGE
- (000) PROPOSED SIGN
- (M000) MOVE EXISTING SIGN
- (R000) REMOVE EXISTING SIGN
- ESTR EXISTING SIGN TO REMAIN
- * BOX OUT FOR SIGNPOST(S)

PROJECT NO: 4160-05-71 / 4160-05-73	HWY: CTH CE	COUNTY: OUTAGAMIE	PERMANENT SIGNING	SHEET 49	E

2

LEGEND

EXISTING SIGN MOUNTED ON POST(S)

EXISTING SIGN MOUNTED ON SIGNAL, UTILITY POLE, OR SIGN BRIDGE

PROPOSED SIGN MOUNTED ON POST(S)

PROPOSED SIGN MOUNTED ON SIGNAL, UTILITY POLE, OR SIGN BRIDGE

FLAGS; 16"X16" MIN, ORANGE

000 PROPOSED SIGN

M000 MOVE EXISTING SIGN

R000 REMOVE EXISTING SIGN

ESTR EXISTING SIGN TO REMAIN

* BOX OUT FOR SIGNPOST(S)

2

N

RIGHT LANE MUST TURN RIGHT
R3-7R
30"X30"
200

R201

W3-3
36"X36"
201

ONE WAY
R202

ONE WAY
R6-2R
30"X36"
202

JCT 441
R203

JCT 441
J1-1
24"X39"
203

JCT 441
J1-1
24"X39"
204

CTH CE (E COLLEGE AVE)

206'WB' 207'WB' 208'WB' 209'WB' 210'WB' 211'WB'

MATCH LINE STA 205+65

206'EB' 207'EB' 208'EB' 209'EB' 210'EB' 211'EB'

MATCH LINE STA 211+65

(CONC)

(CONC)

LOWES LANE

WAYFINDING SIGN
ESTR

DO NOT ENTER
ESTR

LOWES LANE
ESTR

STOP
ESTR

(ASPH)

(ASPH)

W2-6
36"X36"
15 M.P.H.
W13-1
24"x24"
205

W2-6
36"X36"
15 M.P.H.
W13-1
24"x24"
206

PROJECT NO: 4160-05-71 / 4160-05-73	HWY: CTH CE	COUNTY: OUTAGAMIE	PERMANENT SIGNING	SHEET 50	E

2

N

SPEED LIMIT 40
R303

SPEED LIMIT 40
R2-1
30"X36"
306

SPEED LIMIT 40
R2-1
30"X36"
307

STOP AHEAD
(TRAIL)
M301

(ASPH)

(CONC)

212'WB' 213'WB' 214'WB' 215'WB' 216'WB' 217'WB'

CTH CE (E COLLEGE AVE)

MATCH LINE STA 211+65

212'EB' 213'EB' 214'EB' 215'EB' 216'EB' 217'EB'

MATCH LINE STA 217+65

R301
ONLY ONLY ONLY

WRONG WAY
R302

(ASPH)

(ASPH)

(CONC)

R3-6XL
42"X48"
301

R3-5A
42"X48"
ONLY
302

R3-5A
42"X48"
ONLY
303

R3-5R
42"X48"
ONLY
304

SEE DETAIL FOR PLACEMENT

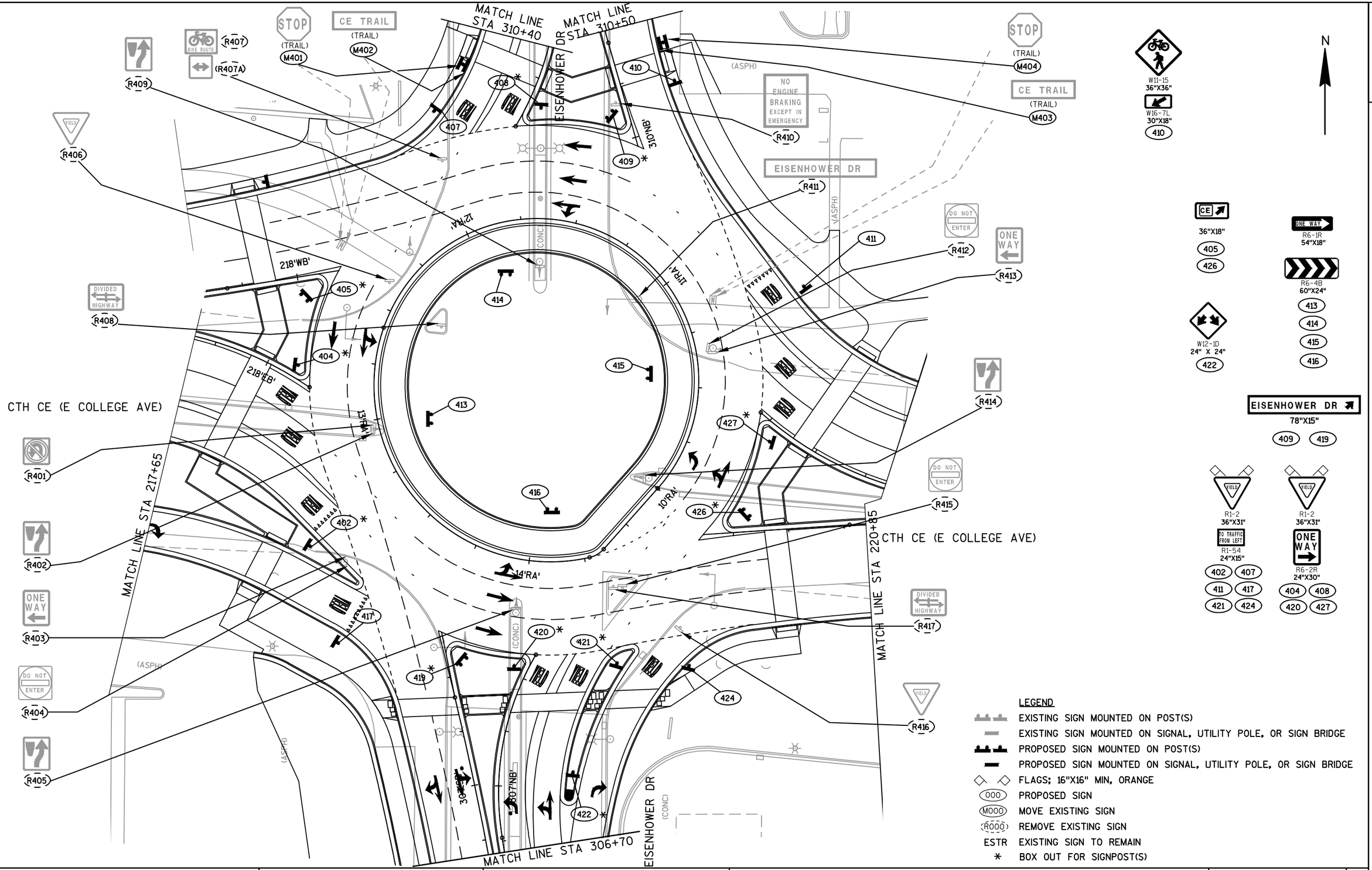
W12-1D
24" X 24"
305 *

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON SIGNAL, UTILITY POLE, OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON SIGNAL, UTILITY POLE, OR SIGN BRIDGE
- FLAGS; 16"X16" MIN, ORANGE
- (000) PROPOSED SIGN
- (M000) MOVE EXISTING SIGN
- (R000) REMOVE EXISTING SIGN
- ESTR EXISTING SIGN TO REMAIN
- * BOX OUT FOR SIGNPOST(S)

PROJECT NO: 4160-05-71 / 4160-05-73	HWY: CTH CE	COUNTY: OUTAGAMIE	PERMANENT SIGNING	SHEET 51	E

2

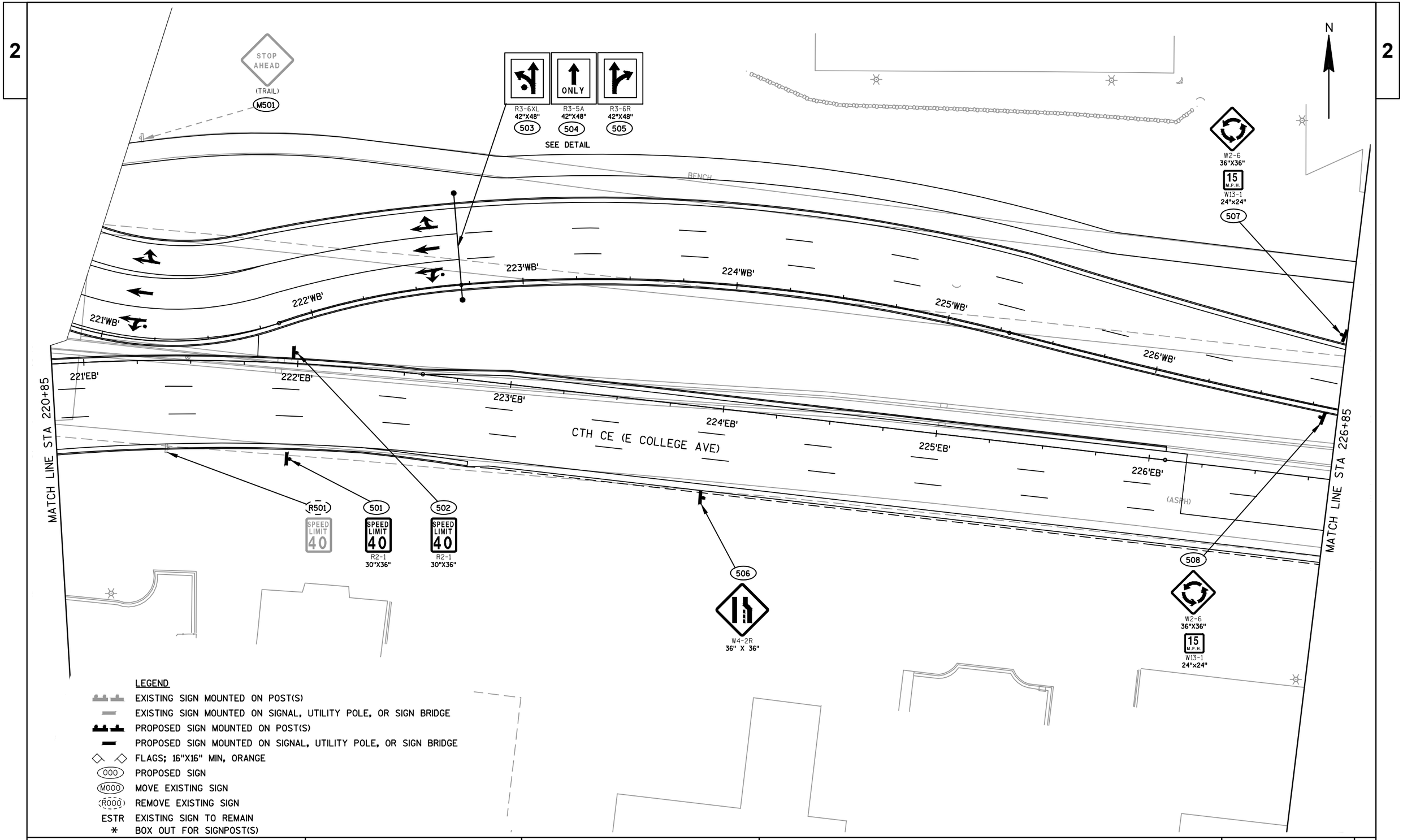


LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON SIGNAL, UTILITY POLE, OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON SIGNAL, UTILITY POLE, OR SIGN BRIDGE
- FLAGS; 16"X16" MIN, ORANGE
- (000) PROPOSED SIGN
- (M000) MOVE EXISTING SIGN
- (R000) REMOVE EXISTING SIGN
- ESTR EXISTING SIGN TO REMAIN
- * BOX OUT FOR SIGNPOST(S)

PROJECT NO: 4160-05-71 / 4160-05-73	HWY: CTH CE	COUNTY: OUTAGAMIE	PERMANENT SIGNING	SHEET 52	E

2



LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON SIGNAL, UTILITY POLE, OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON SIGNAL, UTILITY POLE, OR SIGN BRIDGE
- FLAGS; 16"X16" MIN, ORANGE
- (000) PROPOSED SIGN
- (M000) MOVE EXISTING SIGN
- (R000) REMOVE EXISTING SIGN
- ESTR EXISTING SIGN TO REMAIN
- * BOX OUT FOR SIGNPOST(S)

PROJECT NO: 4160-05-71 / 4160-05-73	HWY: CTH CE	COUNTY: OUTAGAMIE	PERMANENT SIGNING	SHEET 53	E

2

N

(ASPH)

(ASPH)

R601

STOP
ESTR

STOP
(TRAIL)
ESTR

STOP
(TRAIL)
ESTR

ONE
WAY
M601

COBBLESTONE LANE

(ASPH)

MATCH LINE STA 226+85

227'WB'
228'WB'
229'WB'
230'WB'
231'WB'
232'WB'

227'EB'
228'EB'
229'EB'
230'EB'
231'EB'
232'EB'

CTH CE (E COLLEGE AVE)

MATCH LINE STA 232+85

R602

601

W3-3
36"X36"

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON SIGNAL, UTILITY POLE, OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON SIGNAL, UTILITY POLE, OR SIGN BRIDGE
- FLAGS; 16"X16" MIN, ORANGE
- (000) PROPOSED SIGN
- (M000) MOVE EXISTING SIGN
- (R000) REMOVE EXISTING SIGN
- ESTR EXISTING SIGN TO REMAIN
- * BOX OUT FOR SIGNPOST(S)

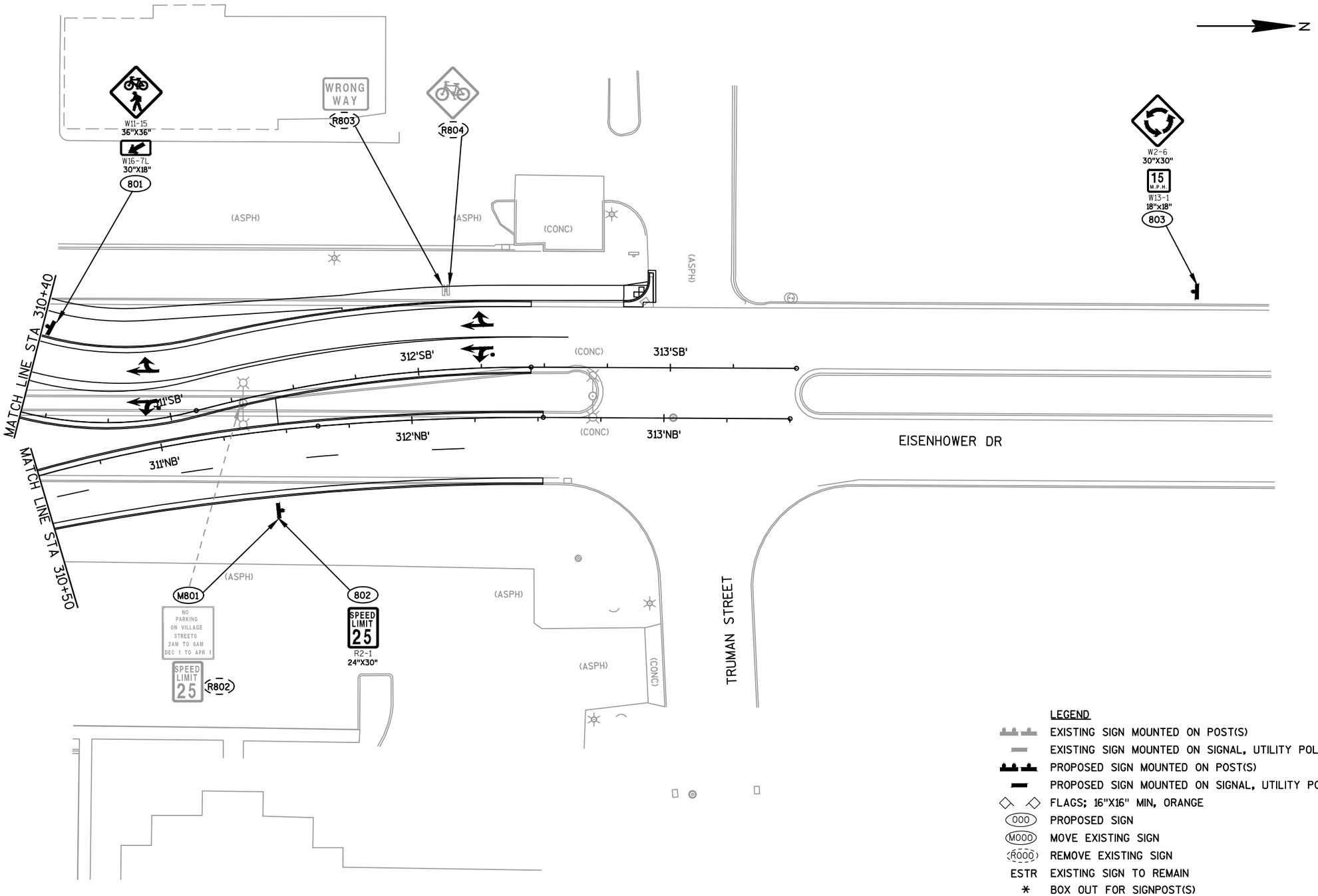
PROJECT NO: 4160-05-71 / 4160-05-73	HWY: CTH CE	COUNTY: OUTAGAMIE	PERMANENT SIGNING	SHEET 54	E

LEGEND
- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON SIGNAL, UTILITY POLE, OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON SIGNAL, UTILITY POLE, OR SIGN BRIDGE
- FLAGS; 16"X16" MIN, ORANGE
- (000) PROPOSED SIGN
- (M000) MOVE EXISTING SIGN
- (R000) REMOVE EXISTING SIGN
- ESTR EXISTING SIGN TO REMAIN
- * BOX OUT FOR SIGNPOST(S)

R1-2 36"X31" — YIELD — 705 708 714 721
R1-54 24"X15" — TO TRAFFIC FROM LEFT
R1-2 36"X31" — YIELD — ONE WAY — R6-2R 24"X30" — 706 711 715 718
R3-9B 24"X36" — CENTER LANE ONLY — 701
W2-6 30"X30" — 15 M.P.H. — W13-1 18"X18" — STA 298+87 — 700
R1-1 30" X 30" — STOP — 702
R4-7 24"X30" — 703
R6-1R 36"X12" — ONE WAY
R6-4B 60"X24" — 722 723 724 725
EISENHOWER DR 78"X15" — 707 716
VAN ROY RD 66"X15" — 712 717
R4-7 24"X30" — 710
SPEED LIMIT 25 — R713
SPEED LIMIT 35 — R714
STOP — SOLAR FLASHER — 3-WAY — R705 R706 R708 R709
CENTER LANE ONLY — R704
R710 SPEED LIMIT 25
R4-7 24"X30" — 719
ONLY — R3-5XL 42"X48" — 726
ONLY — R3-6L 42"X48" — 727
ONLY — R3-5R 42"X48" — 728
SEE DETAIL FOR PLACEMENT

R711 EISENHOWER DR
R712 VAN ROY RD
VAN ROY ROAD
MATCH LINE STA 405+40
MATCH LINE STA 306+70
MATCH LINE STA 408+60
WELCOME TO BUCHANON — R715
THEATER WAY — M701
VAN ROY RD — R717 — R718 — 3-WAY — R719
301'SB' 302'SB' 303'SB' 304'SB' 306'SB'
301'NB' 303'NB' 306'NB'
20'RA' 21'RA' 22'RA'
406'WB' 408'EB' 408'WB'
(ASPH) (CONC)
N

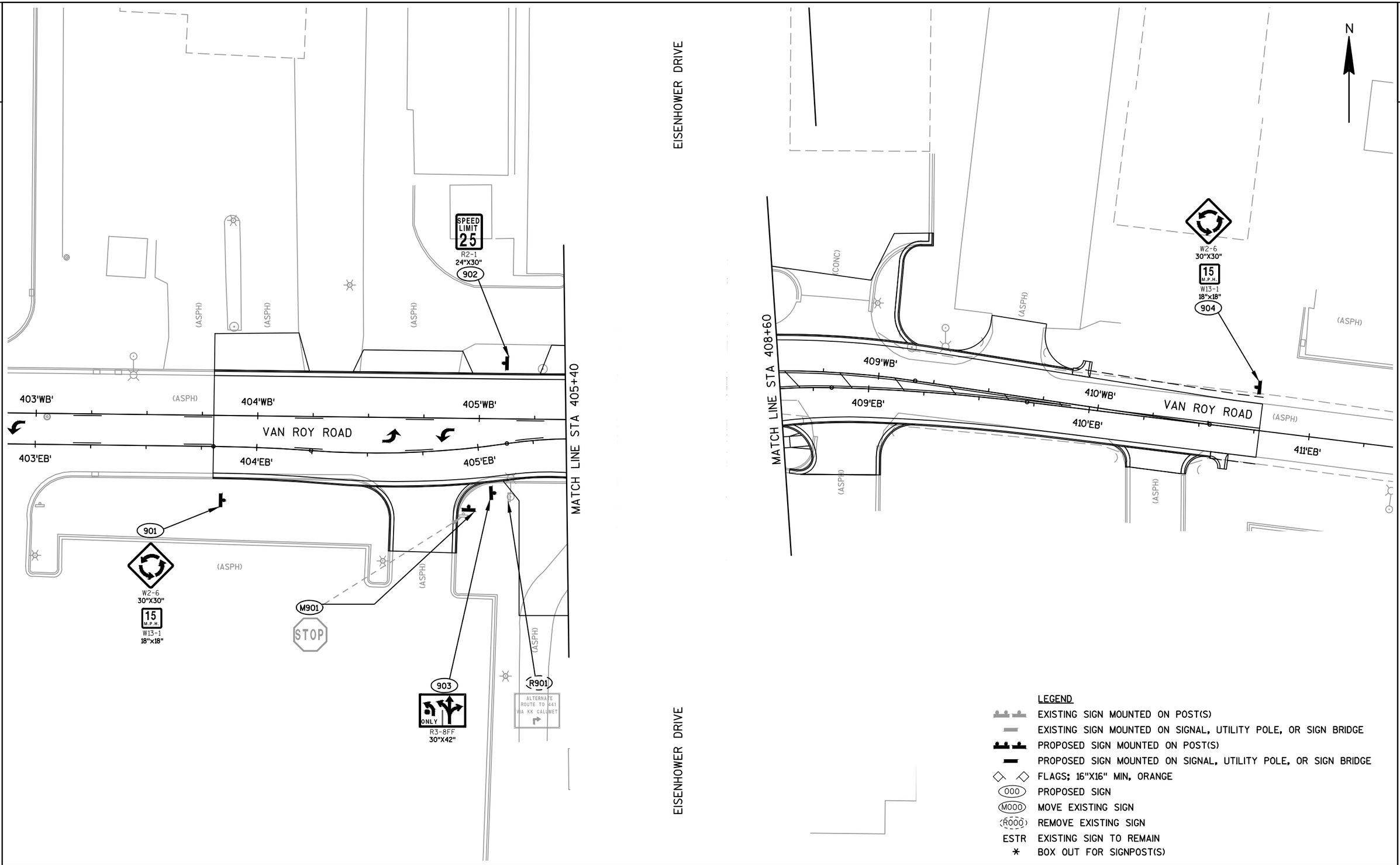
2



LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON SIGNAL, UTILITY POLE, OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON SIGNAL, UTILITY POLE, OR SIGN BRIDGE
- FLAGS; 16"X16" MIN, ORANGE
- (000) PROPOSED SIGN
- (M000) MOVE EXISTING SIGN
- (R000) REMOVE EXISTING SIGN
- ESTR EXISTING SIGN TO REMAIN
- * BOX OUT FOR SIGNPOST(S)

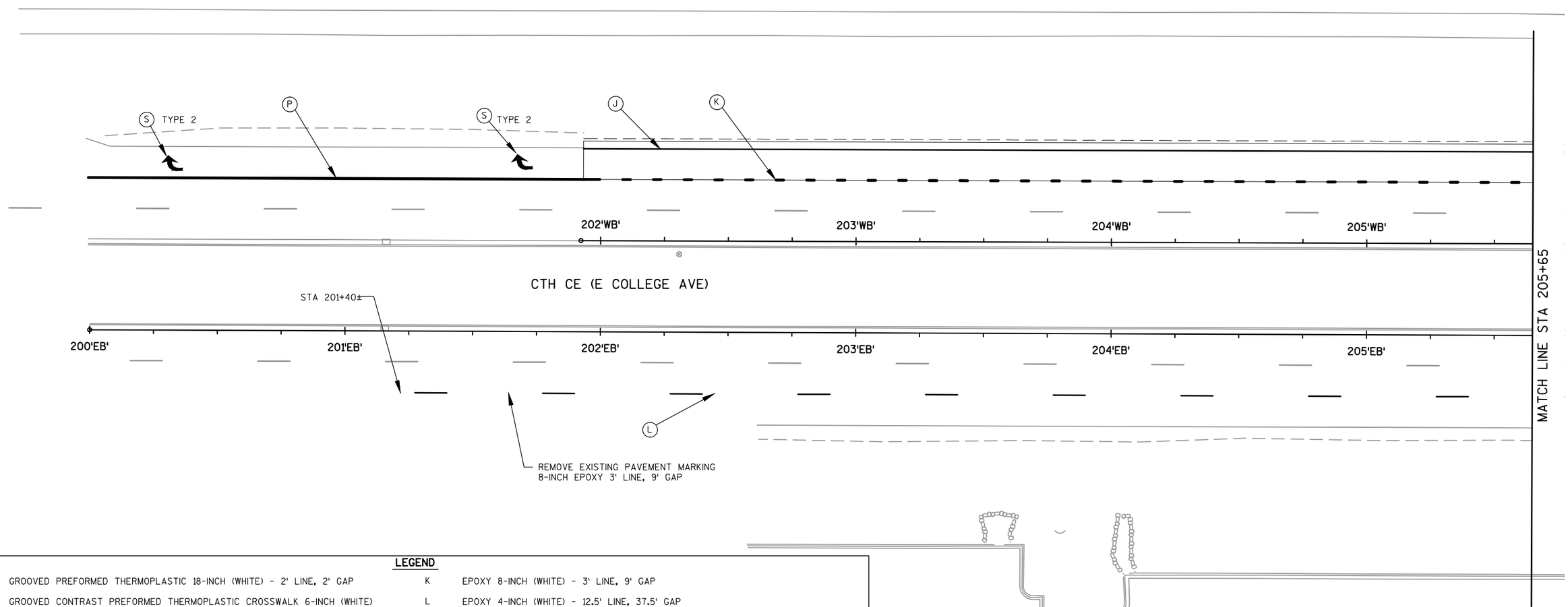
PROJECT NO: 4160-05-71 / 4160-05-73	HWY: CTH CE	COUNTY: OUTAGAMIE	PERMANENT SIGNING	SHEET 56	E



PROJECT NO: 4160-05-71 / 4160-05-73	HWY: CTH CE	COUNTY: OUTAGAMIE	PERMANENT SIGNING	SHEET 57	E

2

N



LEGEND

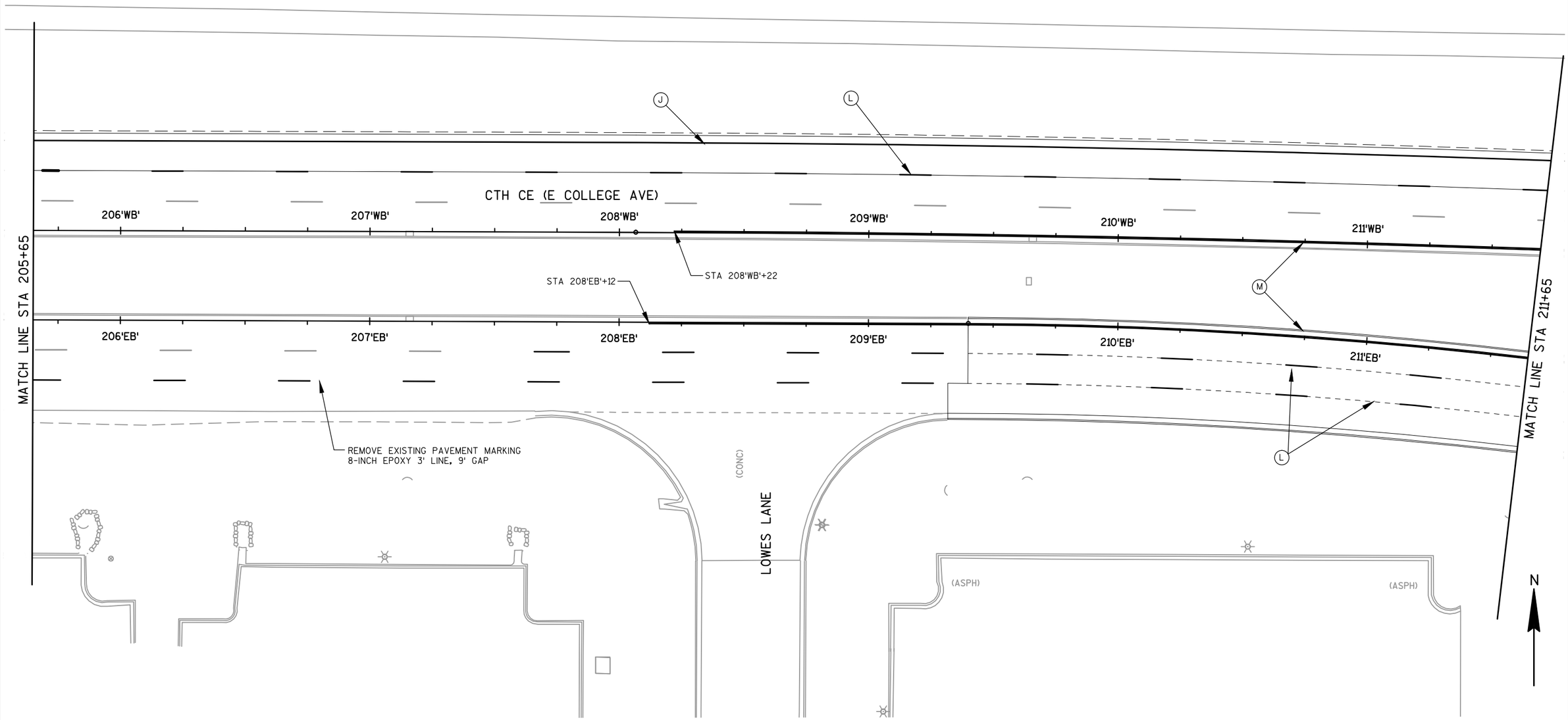
A	GROOVED PREFORMED THERMOPLASTIC 18-INCH (WHITE) - 2' LINE, 2' GAP	K	EPOXY 8-INCH (WHITE) - 3' LINE, 9' GAP
B	GROOVED CONTRAST PREFORMED THERMOPLASTIC CROSSWALK 6-INCH (WHITE)	L	EPOXY 4-INCH (WHITE) - 12.5' LINE, 37.5' GAP
C	GROOVED CONTRAST PREFORMED THERMOPLASTIC WORDS (WHITE)	M	EPOXY 4-INCH (YELLOW)
D	GROOVED CONTRAST PREFORMED THERMOPLASTIC ARROWS (WHITE)	N	EPOXY 4-INCH (YELLOW) - 12.5' LINE, 37.5' GAP
E	GROOVED CONTRAST PREFORMED THERMOPLASTIC 8-INCH (WHITE)	P	EPOXY 8-INCH (WHITE)
F	GROOVED CONTRAST PREFORMED THERMOPLASTIC 8-INCH (WHITE) 6' LINE, 3' GAP	R	DIAGONAL EPOXY 12-INCH (YELLOW)
G	GROOVED CONTRAST PREFORMED THERMOPLASTIC 8-INCH (WHITE) 3' LINE, 9' GAP	S	EPOXY ARROWS (WHITE)
H	GROOVED CONTRAST PREFORMED THERMOPLASTIC 8-INCH (WHITE) 1' LINE, 3' GAP	T	ISLAND NOSE EPOXY (YELLOW)
I	GROOVED CONTRAST PREFORMED THERMOPLASTIC 8-INCH (WHITE) 1' LINE, 12' GAP	U	EPOXY 4-INCH (YELLOW) - 2' LINE, 6' GAP
J	EPOXY 4-INCH (WHITE)	V	GROOVED CONTRAST PREFORMED THERMOPLASTIC YIELD LINE 18-INCH (WHITE)

PROJECT NO: 4160-05-71 / 4160-05-73	HWY: CTH CE	COUNTY: OUTAGAMIE	PAVEMENT MARKING	SHEET 58	E

2

LEGEND

A	GROOVED PREFORMED THERMOPLASTIC 18-INCH (WHITE) - 2' LINE, 2' GAP	K	EPOXY 8-INCH (WHITE) - 3' LINE, 9' GAP
B	GROOVED CONTRAST PREFORMED THERMOPLASTIC CROSSWALK 6-INCH (WHITE)	L	EPOXY 4-INCH (WHITE) - 12.5' LINE, 37.5' GAP
C	GROOVED CONTRAST PREFORMED THERMOPLASTIC WORDS (WHITE)	M	EPOXY 4-INCH (YELLOW)
D	GROOVED CONTRAST PREFORMED THERMOPLASTIC ARROWS (WHITE)	N	EPOXY 4-INCH (YELLOW) - 12.5' LINE, 37.5' GAP
E	GROOVED CONTRAST PREFORMED THERMOPLASTIC 8-INCH (WHITE)	P	EPOXY 8-INCH (WHITE)
F	GROOVED CONTRAST PREFORMED THERMOPLASTIC 8-INCH (WHITE) 6' LINE, 3' GAP	R	DIAGONAL EPOXY 12-INCH (YELLOW)
G	GROOVED CONTRAST PREFORMED THERMOPLASTIC 8-INCH (WHITE) 3' LINE, 9' GAP	S	EPOXY ARROWS (WHITE)
H	GROOVED CONTRAST PREFORMED THERMOPLASTIC 8-INCH (WHITE) 1' LINE, 3' GAP	T	ISLAND NOSE EPOXY (YELLOW)
I	GROOVED CONTRAST PREFORMED THERMOPLASTIC 8-INCH (WHITE) 1' LINE, 12' GAP	U	EPOXY 4-INCH (YELLOW) - 2' LINE, 6' GAP
J	EPOXY 4-INCH (WHITE)	V	GROOVED CONTRAST PREFORMED THERMOPLASTIC YIELD LINE 18-INCH (WHITE)



PROJECT NO: 4160-05-71 / 4160-05-73	HWY: CTH CE	COUNTY: OUTAGAMIE	PAVEMENT MARKING	SHEET 59	E

2

PI 'PM' STA = 7+55.77
Y = 561014.673
X = 842928.951
DELTA = 073°12'50.6"
D = 044°45'44.4"
T = 95.09'
L = 163.56'
R = 128.00'
PC 'PM' STA = 6+60.69
Y = 560971.194
X = 842844.389
PT 'PM' STA = 8+24.25
Y = 560946.270
X = 842994.999
BK = N62° 47' 22.6"E
AH = S43° 59' 46.8"E

N

(ASPH)

MATCH LINE STA 211+65

CTH CE (E COLLEGE AVE)

212'WB' 213'WB' 214'WB' 215'WB' 216'WB' 217'WB'

212'EB' 213'EB' 214'EB' 215'EB'

216'EB' 217'EB' 7'PM'

STA 215'EB'+66
STA 215+36'EB'

PLACE FULL LINE NORTH OF JOINT

PLACE FULL LINE SOUTH OF JOINT

STA 216'EB'+52

14'

MATCH LINE STA 217+65

(ASPH)

(ASPH)

(CONC)

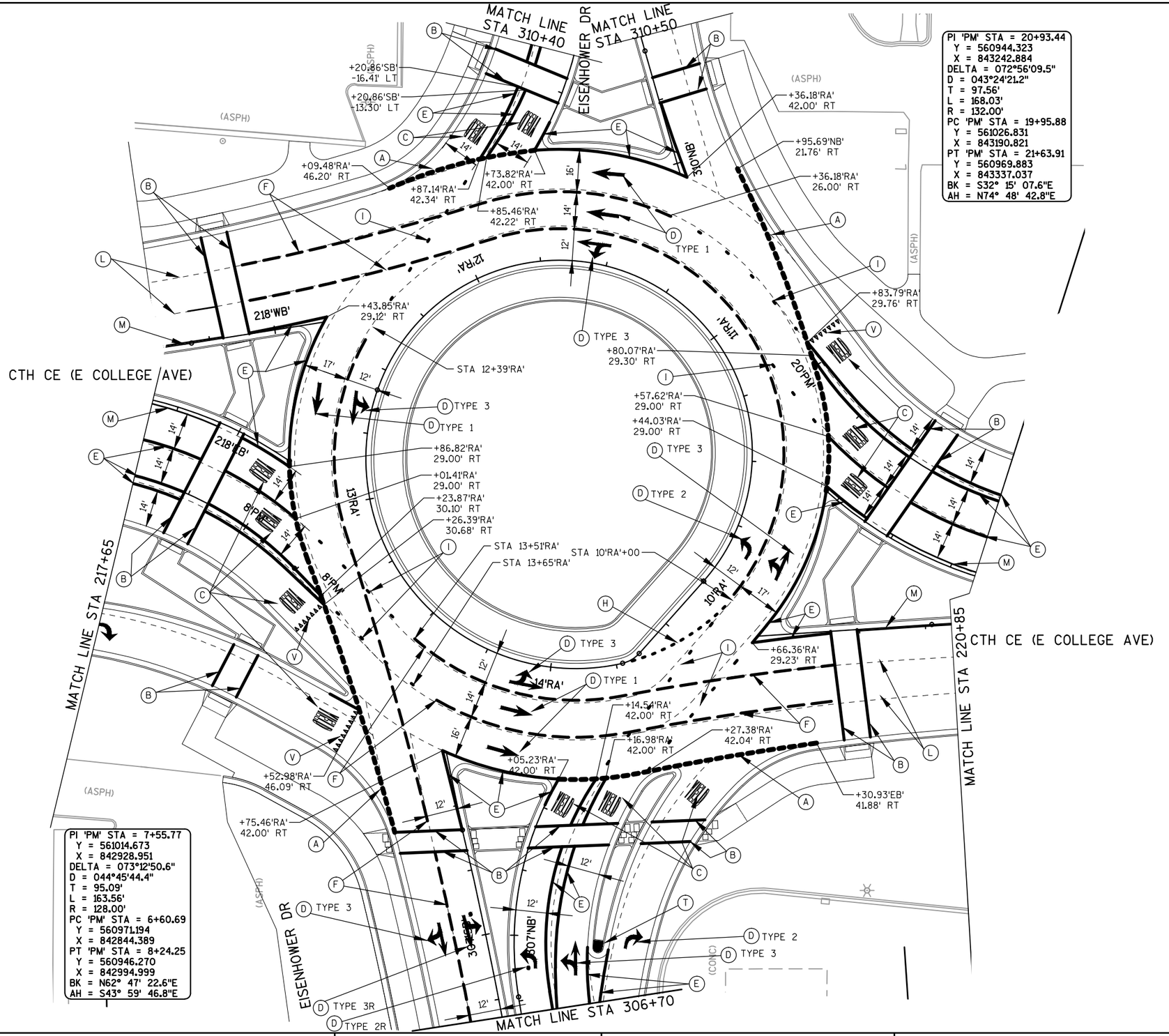
L	TYPE 3R	TYPE 1	TYPE 2
J	M	E	C
G			

LEGEND

A	GROOVED PREFORMED THERMOPLASTIC 18-INCH (WHITE) - 2' LINE, 2' GAP	K	EPOXY 8-INCH (WHITE) - 3' LINE, 9' GAP
B	GROOVED CONTRAST PREFORMED THERMOPLASTIC CROSSWALK 6-INCH (WHITE)	L	EPOXY 4-INCH (WHITE) - 12.5' LINE, 37.5' GAP
C	GROOVED CONTRAST PREFORMED THERMOPLASTIC WORDS (WHITE)	M	EPOXY 4-INCH (YELLOW)
D	GROOVED CONTRAST PREFORMED THERMOPLASTIC ARROWS (WHITE)	N	EPOXY 4-INCH (YELLOW) - 12.5' LINE, 37.5' GAP
E	GROOVED CONTRAST PREFORMED THERMOPLASTIC 8-INCH (WHITE)	P	EPOXY 8-INCH (WHITE)
F	GROOVED CONTRAST PREFORMED THERMOPLASTIC 8-INCH (WHITE) 6' LINE, 3' GAP	R	DIAGONAL EPOXY 12-INCH (YELLOW)
G	GROOVED CONTRAST PREFORMED THERMOPLASTIC 8-INCH (WHITE) 3' LINE, 9' GAP	S	EPOXY ARROWS (WHITE)
H	GROOVED CONTRAST PREFORMED THERMOPLASTIC 8-INCH (WHITE) 1' LINE, 3' GAP	T	ISLAND NOSE EPOXY (YELLOW)
I	GROOVED CONTRAST PREFORMED THERMOPLASTIC 8-INCH (WHITE) 1' LINE, 12' GAP	U	EPOXY 4-INCH (YELLOW) - 2' LINE, 6' GAP
J	EPOXY 4-INCH (WHITE)	V	GROOVED CONTRAST PREFORMED THERMOPLASTIC YIELD LINE 18-INCH (WHITE)

PROJECT NO: 4160-05-71 / 4160-05-73	HWY: CTH CE	COUNTY: OUTAGAMIE	PAVEMENT MARKING	SHEET 60	E

2



LEGEND

A	GROOVED PREFORMED THERMOPLASTIC 18-INCH (WHITE) - 2' LINE, 2' GAP
B	GROOVED CONTRAST PREFORMED THERMOPLASTIC CROSSWALK 6-INCH (WHITE)
C	GROOVED CONTRAST PREFORMED THERMOPLASTIC WORDS (WHITE)
D	GROOVED CONTRAST PREFORMED THERMOPLASTIC ARROWS (WHITE)
E	GROOVED CONTRAST PREFORMED THERMOPLASTIC 8-INCH (WHITE)
F	GROOVED CONTRAST PREFORMED THERMOPLASTIC 8-INCH (WHITE) 6' LINE, 3' GAP
G	GROOVED CONTRAST PREFORMED THERMOPLASTIC 8-INCH (WHITE) 3' LINE, 9' GAP
H	GROOVED CONTRAST PREFORMED THERMOPLASTIC 8-INCH (WHITE) 1' LINE, 3' GAP
I	GROOVED CONTRAST PREFORMED THERMOPLASTIC 8-INCH (WHITE) 1' LINE, 12' GAP
J	EPOXY 4-INCH (WHITE)
K	EPOXY 8-INCH (WHITE) - 3' LINE, 9' GAP
L	EPOXY 4-INCH (WHITE) - 12.5' LINE, 37.5' GAP
M	EPOXY 4-INCH (YELLOW)
N	EPOXY 4-INCH (YELLOW) - 12.5' LINE, 37.5' GAP
P	EPOXY 8-INCH (WHITE)
R	DIAGONAL EPOXY 12-INCH (YELLOW)
S	EPOXY ARROWS (WHITE)
T	ISLAND NOSE EPOXY (YELLOW)
U	EPOXY 4-INCH (YELLOW) - 2' LINE, 6' GAP
V	GROOVED CONTRAST PREFORMED THERMOPLASTIC YIELD LINE 18-INCH (WHITE)

2

PI 'PM' STA = 20+93.44
Y = 560944.323
X = 843242.884
DELTA = 072°56'09.5"
D = 043°24'21.2"
T = 97.56'
L = 168.03'
R = 132.00'
PC 'PM' STA = 19+95.88
Y = 561026.831
X = 843190.821
PT 'PM' STA = 21+63.91
Y = 560969.883
X = 843337.037
BK = S32° 15' 07.6"E
AH = N74° 48' 42.8"E

N

MATCH LINE STA 220+85

MATCH LINE STA 226+85

STA 221'WB'+85

STA 225+29'WB'

STA 222WB'+71

(E) (D) TYPE 3

(D) TYPE 1

(D) TYPE 3R

14'

21'PM'

221'WB'

222'WB'

223'WB'

224'WB'

225'WB'

226'WB'

221'EB'

222'EB'

223'EB'

224'EB'

225'EB'

226'EB'

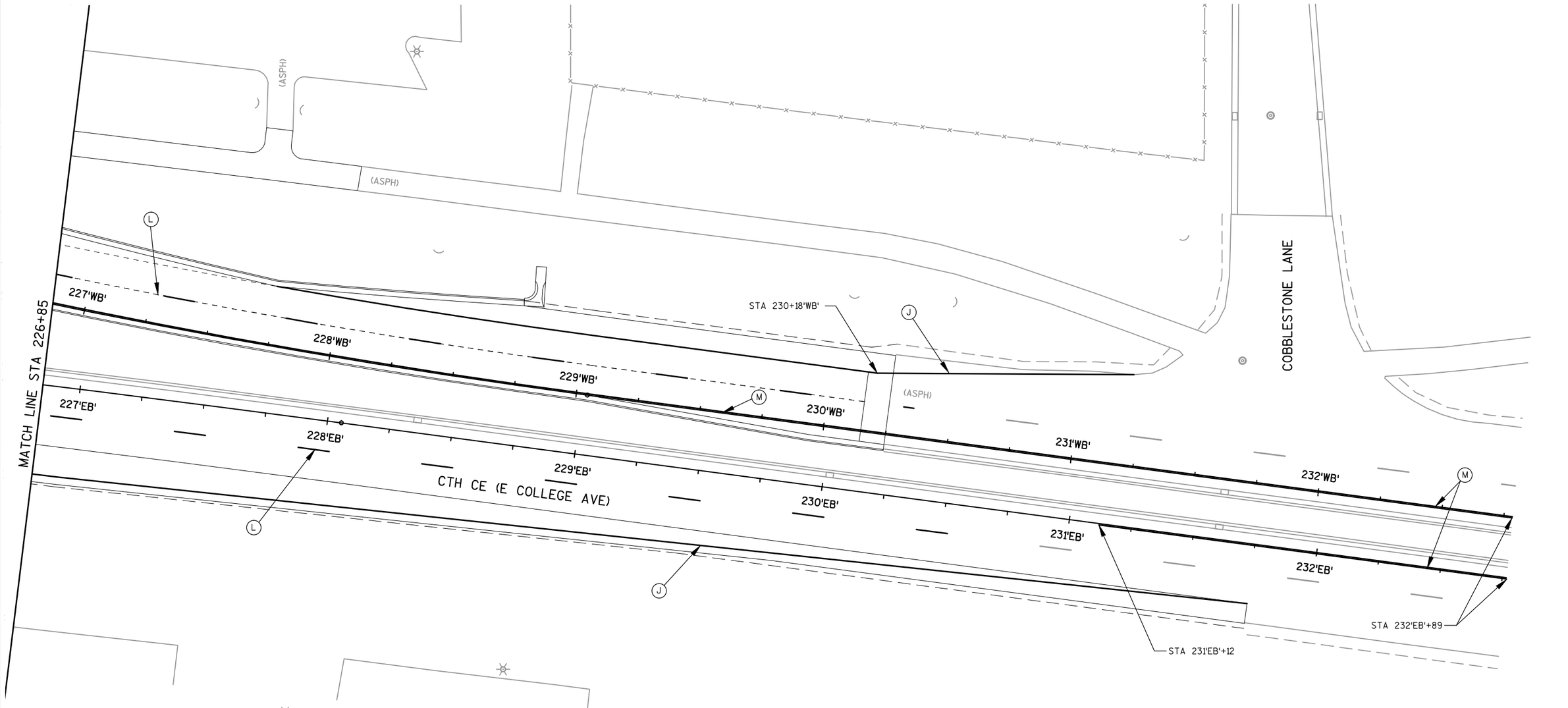
CTH CE (E COLLEGE AVE)

(J) (L) (M)

LEGEND

A	GROOVED PREFORMED THERMOPLASTIC 18-INCH (WHITE) - 2' LINE, 2' GAP	K	EPOXY 8-INCH (WHITE) - 3' LINE, 9' GAP
B	GROOVED CONTRAST PREFORMED THERMOPLASTIC CROSSWALK 6-INCH (WHITE)	L	EPOXY 4-INCH (WHITE) - 12.5' LINE, 37.5' GAP
C	GROOVED CONTRAST PREFORMED THERMOPLASTIC WORDS (WHITE)	M	EPOXY 4-INCH (YELLOW)
D	GROOVED CONTRAST PREFORMED THERMOPLASTIC ARROWS (WHITE)	N	EPOXY 4-INCH (YELLOW) - 12.5' LINE, 37.5' GAP
E	GROOVED CONTRAST PREFORMED THERMOPLASTIC 8-INCH (WHITE)	P	EPOXY 8-INCH (WHITE)
F	GROOVED CONTRAST PREFORMED THERMOPLASTIC 8-INCH (WHITE) 6' LINE, 3' GAP	R	DIAGONAL EPOXY 12-INCH (YELLOW)
G	GROOVED CONTRAST PREFORMED THERMOPLASTIC 8-INCH (WHITE) 3' LINE, 9' GAP	S	EPOXY ARROWS (WHITE)
H	GROOVED CONTRAST PREFORMED THERMOPLASTIC 8-INCH (WHITE) 1' LINE, 3' GAP	T	ISLAND NOSE EPOXY (YELLOW)
I	GROOVED CONTRAST PREFORMED THERMOPLASTIC 8-INCH (WHITE) 1' LINE, 12' GAP	U	EPOXY 4-INCH (YELLOW) - 2' LINE, 6' GAP
J	EPOXY 4-INCH (WHITE)	V	GROOVED CONTRAST PREFORMED THERMOPLASTIC YIELD LINE 18-INCH (WHITE)

2

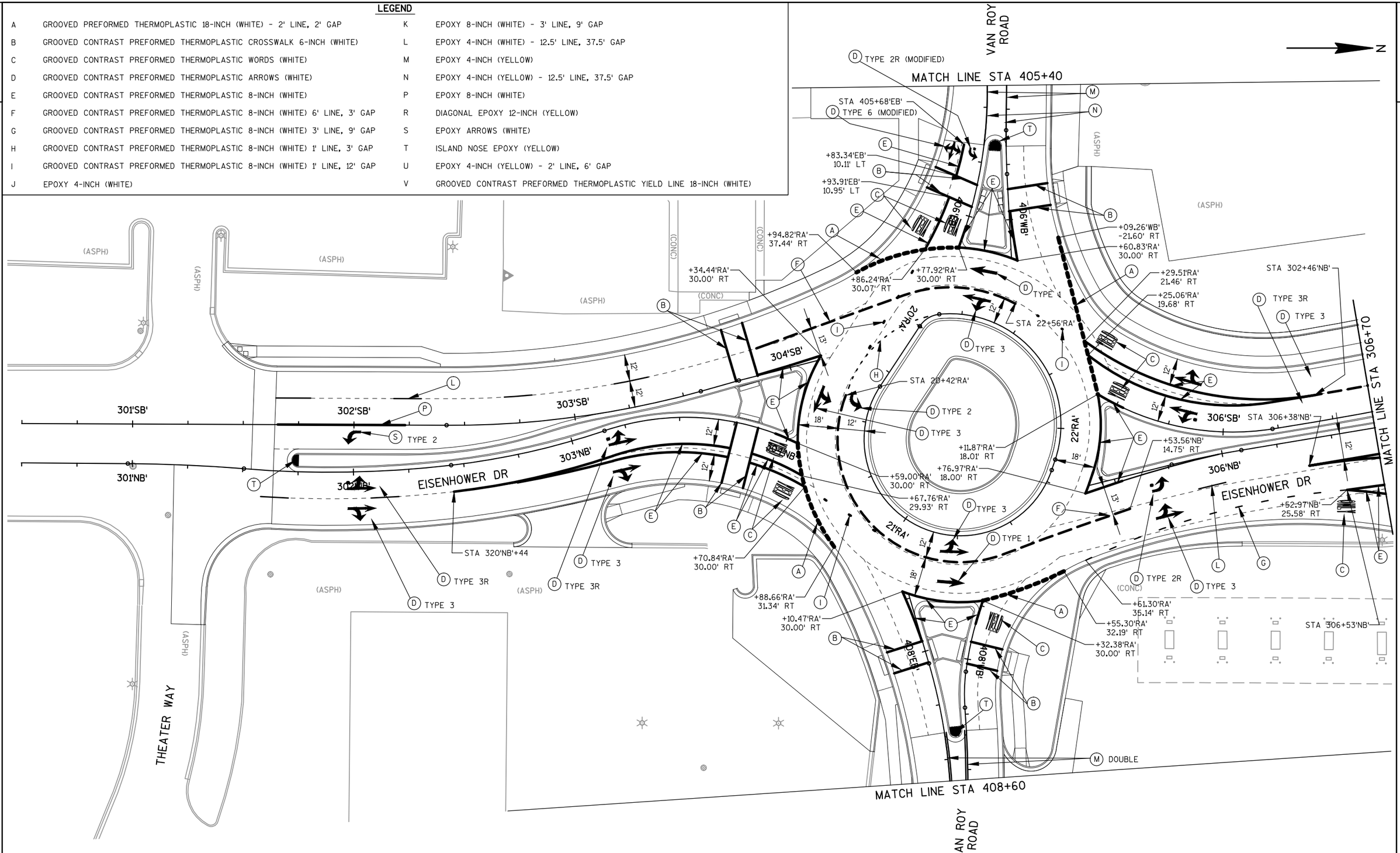


LEGEND

A	GROOVED PREFORMED THERMOPLASTIC 18-INCH (WHITE) - 2' LINE, 2' GAP	K	EPOXY 8-INCH (WHITE) - 3' LINE, 9' GAP
B	GROOVED CONTRAST PREFORMED THERMOPLASTIC CROSSWALK 6-INCH (WHITE)	L	EPOXY 4-INCH (WHITE) - 12.5' LINE, 37.5' GAP
C	GROOVED CONTRAST PREFORMED THERMOPLASTIC WORDS (WHITE)	M	EPOXY 4-INCH (YELLOW)
D	GROOVED CONTRAST PREFORMED THERMOPLASTIC ARROWS (WHITE)	N	EPOXY 4-INCH (YELLOW) - 12.5' LINE, 37.5' GAP
E	GROOVED CONTRAST PREFORMED THERMOPLASTIC 8-INCH (WHITE)	P	EPOXY 8-INCH (WHITE)
F	GROOVED CONTRAST PREFORMED THERMOPLASTIC 8-INCH (WHITE) 6' LINE, 3' GAP	R	DIAGONAL EPOXY 12-INCH (YELLOW)
G	GROOVED CONTRAST PREFORMED THERMOPLASTIC 8-INCH (WHITE) 3' LINE, 9' GAP	S	EPOXY ARROWS (WHITE)
H	GROOVED CONTRAST PREFORMED THERMOPLASTIC 8-INCH (WHITE) 1' LINE, 3' GAP	T	ISLAND NOSE EPOXY (YELLOW)
I	GROOVED CONTRAST PREFORMED THERMOPLASTIC 8-INCH (WHITE) 1' LINE, 12' GAP	U	EPOXY 4-INCH (YELLOW) - 2' LINE, 6' GAP
J	EPOXY 4-INCH (WHITE)	V	GROOVED CONTRAST PREFORMED THERMOPLASTIC YIELD LINE 18-INCH (WHITE)

LEGEND

A	GROOVED PREFORMED THERMOPLASTIC 18-INCH (WHITE) - 2' LINE, 2' GAP	K	EPOXY 8-INCH (WHITE) - 3' LINE, 9' GAP
B	GROOVED CONTRAST PREFORMED THERMOPLASTIC CROSSWALK 6-INCH (WHITE)	L	EPOXY 4-INCH (WHITE) - 12.5' LINE, 37.5' GAP
C	GROOVED CONTRAST PREFORMED THERMOPLASTIC WORDS (WHITE)	M	EPOXY 4-INCH (YELLOW)
D	GROOVED CONTRAST PREFORMED THERMOPLASTIC ARROWS (WHITE)	N	EPOXY 4-INCH (YELLOW) - 12.5' LINE, 37.5' GAP
E	GROOVED CONTRAST PREFORMED THERMOPLASTIC 8-INCH (WHITE)	P	EPOXY 8-INCH (WHITE)
F	GROOVED CONTRAST PREFORMED THERMOPLASTIC 8-INCH (WHITE) 6' LINE, 3' GAP	R	DIAGONAL EPOXY 12-INCH (YELLOW)
G	GROOVED CONTRAST PREFORMED THERMOPLASTIC 8-INCH (WHITE) 3' LINE, 9' GAP	S	EPOXY ARROWS (WHITE)
H	GROOVED CONTRAST PREFORMED THERMOPLASTIC 8-INCH (WHITE) 1' LINE, 3' GAP	T	ISLAND NOSE EPOXY (YELLOW)
I	GROOVED CONTRAST PREFORMED THERMOPLASTIC 8-INCH (WHITE) 1' LINE, 12' GAP	U	EPOXY 4-INCH (YELLOW) - 2' LINE, 6' GAP
J	EPOXY 4-INCH (WHITE)	V	GROOVED CONTRAST PREFORMED THERMOPLASTIC YIELD LINE 18-INCH (WHITE)



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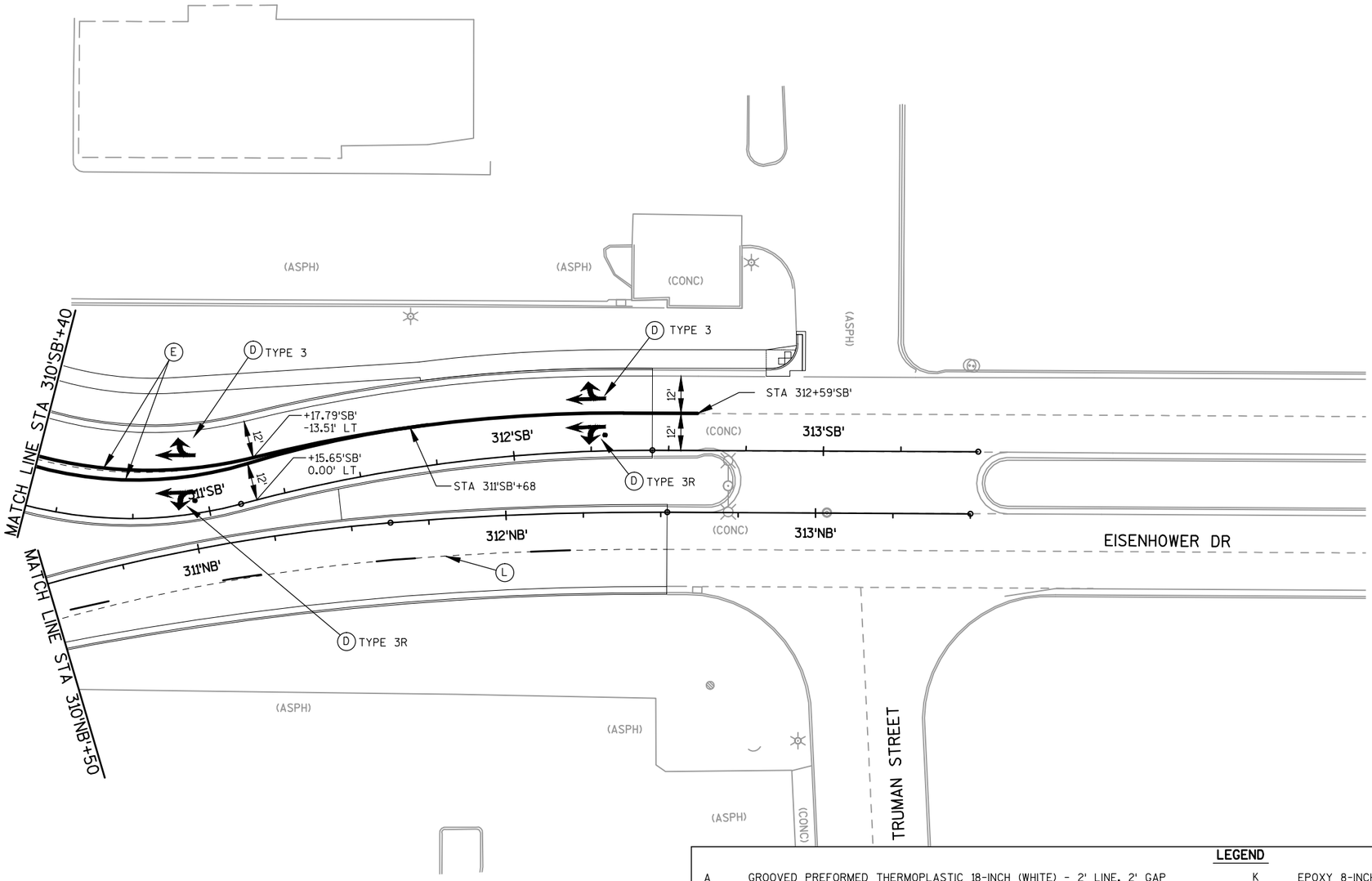
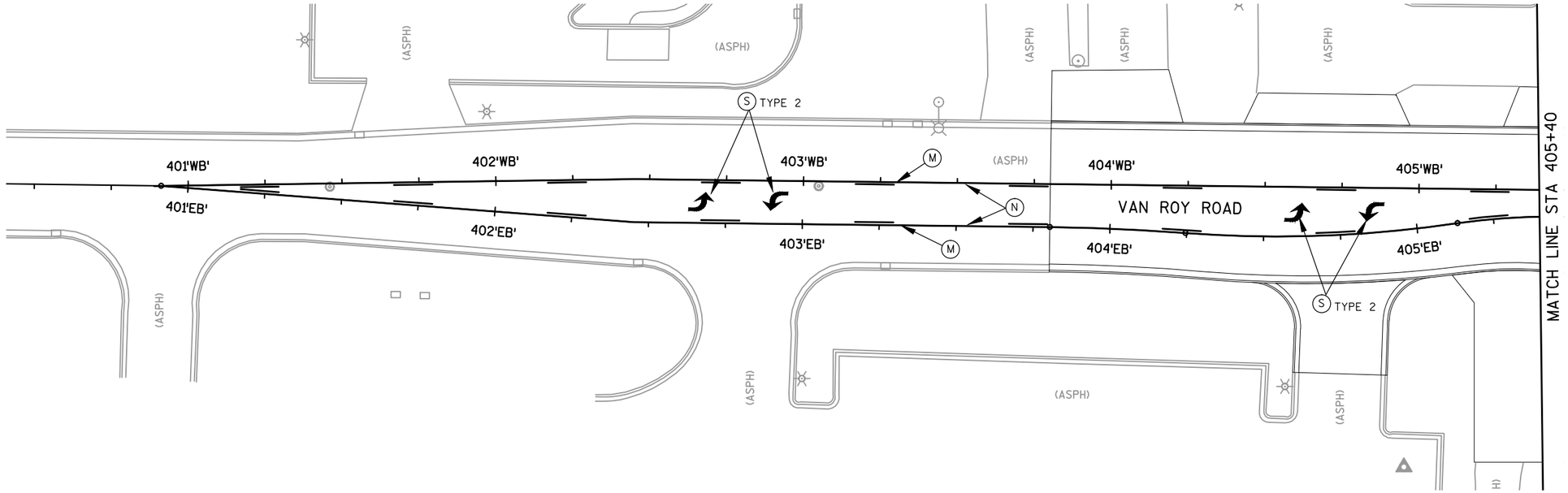
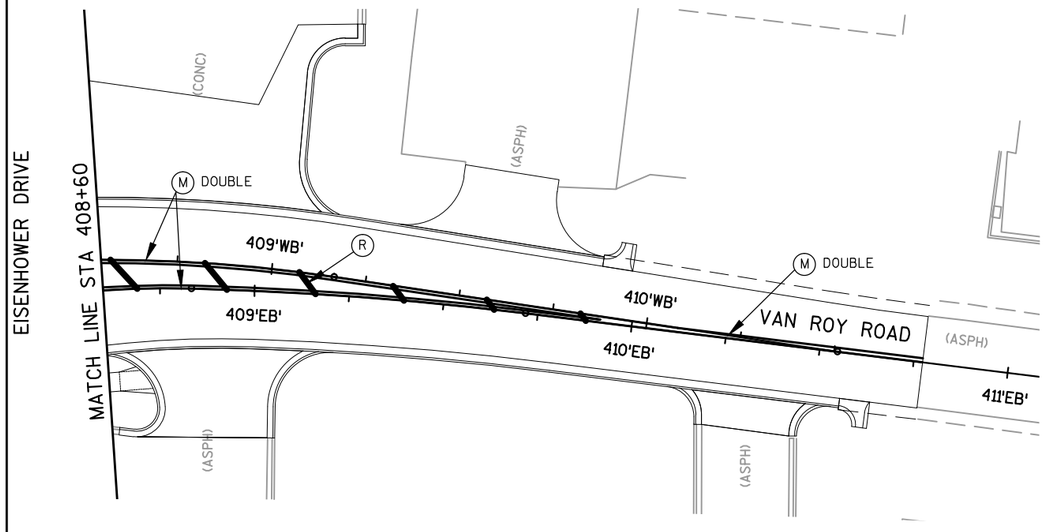


LEGEND

A	GROOVED PREFORMED THERMOPLASTIC 18-INCH (WHITE) - 2' LINE, 2' GAP	K	EPOXY 8-INCH (WHITE) - 3' LINE, 9' GAP
B	GROOVED CONTRAST PREFORMED THERMOPLASTIC CROSSWALK 6-INCH (WHITE)	L	EPOXY 4-INCH (WHITE) - 12.5' LINE, 37.5' GAP
C	GROOVED CONTRAST PREFORMED THERMOPLASTIC WORDS (WHITE)	M	EPOXY 4-INCH (YELLOW)
D	GROOVED CONTRAST PREFORMED THERMOPLASTIC ARROWS (WHITE)	N	EPOXY 4-INCH (YELLOW) - 12.5' LINE, 37.5' GAP
E	GROOVED CONTRAST PREFORMED THERMOPLASTIC 8-INCH (WHITE)	P	EPOXY 8-INCH (WHITE)
F	GROOVED CONTRAST PREFORMED THERMOPLASTIC 8-INCH (WHITE) 6' LINE, 3' GAP	R	DIAGONAL EPOXY 12-INCH (YELLOW)
G	GROOVED CONTRAST PREFORMED THERMOPLASTIC 8-INCH (WHITE) 3' LINE, 9' GAP	S	EPOXY ARROWS (WHITE)
H	GROOVED CONTRAST PREFORMED THERMOPLASTIC 8-INCH (WHITE) 1' LINE, 3' GAP	T	ISLAND NOSE EPOXY (YELLOW)
I	GROOVED CONTRAST PREFORMED THERMOPLASTIC 8-INCH (WHITE) 1' LINE, 12' GAP	U	EPOXY 4-INCH (YELLOW) - 2' LINE, 6' GAP
J	EPOXY 4-INCH (WHITE)	V	GROOVED CONTRAST PREFORMED THERMOPLASTIC YIELD LINE 18-INCH (WHITE)

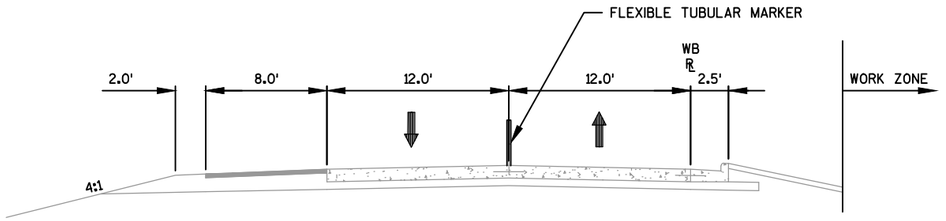




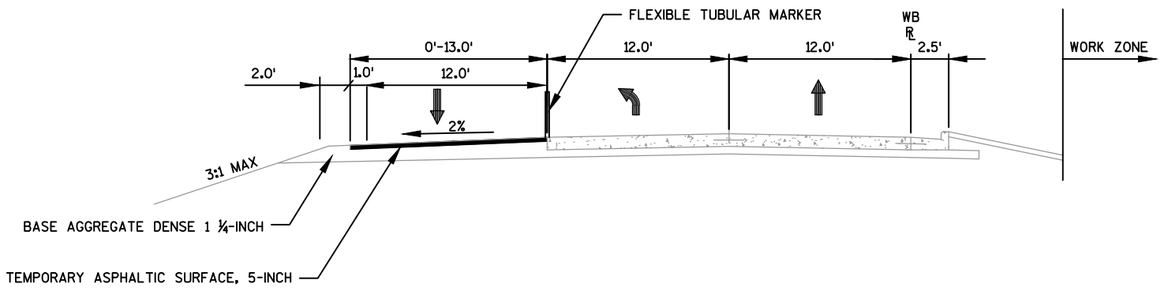
LEGEND

A	GROOVED PREFORMED THERMOPLASTIC 18-INCH (WHITE) - 2' LINE, 2' GAP	K	EPOXY 8-INCH (WHITE) - 3' LINE, 9' GAP
B	GROOVED CONTRAST PREFORMED THERMOPLASTIC CROSSWALK 6-INCH (WHITE)	L	EPOXY 4-INCH (WHITE) - 12.5' LINE, 37.5' GAP
C	GROOVED CONTRAST PREFORMED THERMOPLASTIC WORDS (WHITE)	M	EPOXY 4-INCH (YELLOW)
D	GROOVED CONTRAST PREFORMED THERMOPLASTIC ARROWS (WHITE)	N	EPOXY 4-INCH (YELLOW) - 12.5' LINE, 37.5' GAP
E	GROOVED CONTRAST PREFORMED THERMOPLASTIC 8-INCH (WHITE)	P	EPOXY 8-INCH (WHITE)
F	GROOVED CONTRAST PREFORMED THERMOPLASTIC 8-INCH (WHITE) 6' LINE, 3' GAP	R	DIAGONAL EPOXY 12-INCH (YELLOW)
G	GROOVED CONTRAST PREFORMED THERMOPLASTIC 8-INCH (WHITE) 3' LINE, 9' GAP	S	EPOXY ARROWS (WHITE)
H	GROOVED CONTRAST PREFORMED THERMOPLASTIC 8-INCH (WHITE) 1' LINE, 3' GAP	T	ISLAND NOSE EPOXY (YELLOW)
I	GROOVED CONTRAST PREFORMED THERMOPLASTIC 8-INCH (WHITE) 1' LINE, 12' GAP	U	EPOXY 4-INCH (YELLOW) - 2' LINE, 6' GAP
J	EPOXY 4-INCH (WHITE)	V	GROOVED CONTRAST PREFORMED THERMOPLASTIC YIELD LINE 18-INCH (WHITE)

2

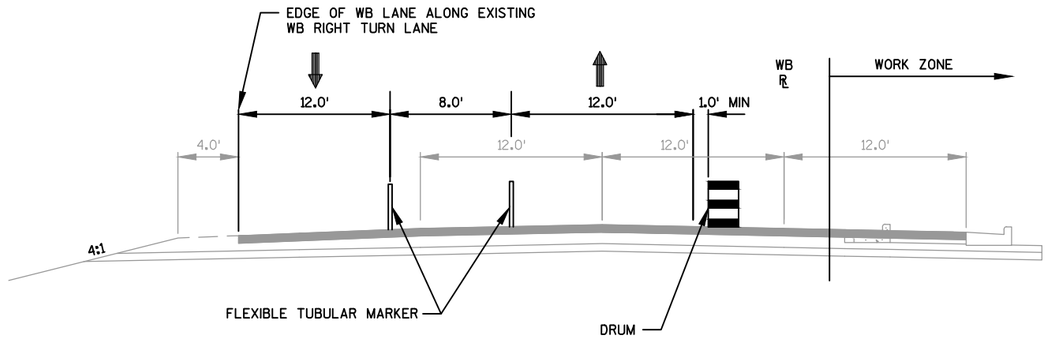


STAGE 2
STA 1210+50 TO STA 1214+15

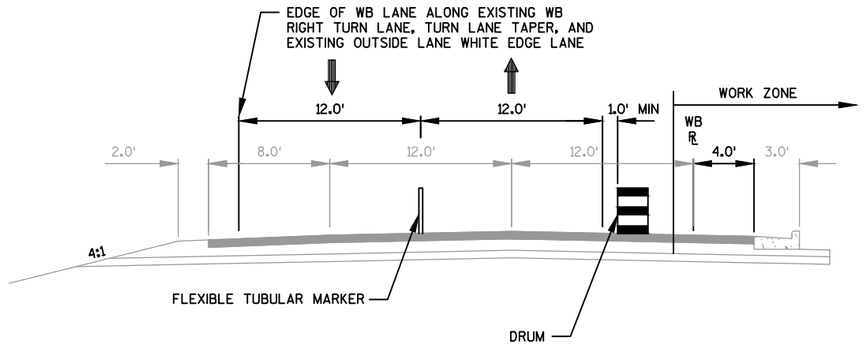


STAGE 2
STA 1214+15 TO EISENHOWER DRIVE

2

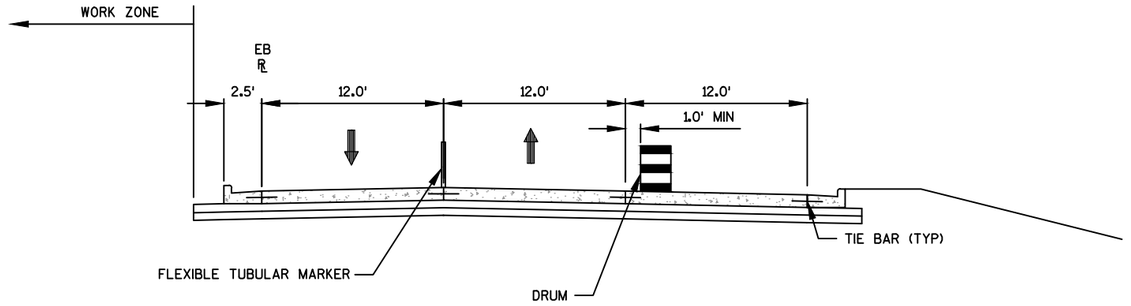


STAGE 2
EISENHOWER DRIVE - STA 1221+40

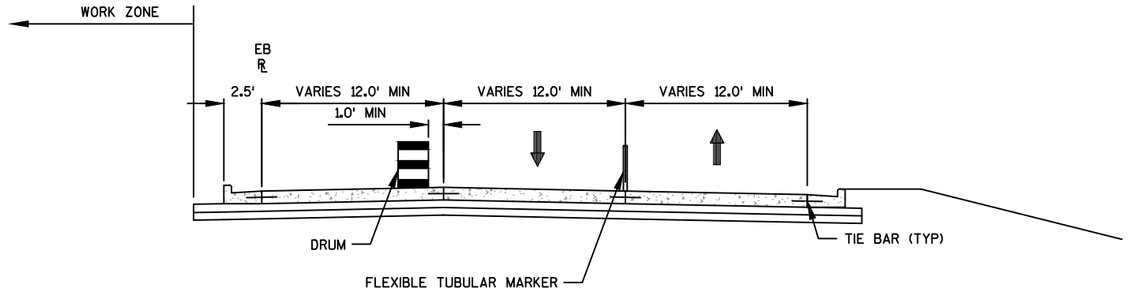


STAGE 2
STA 1221+40 TO STA 1231+00

2

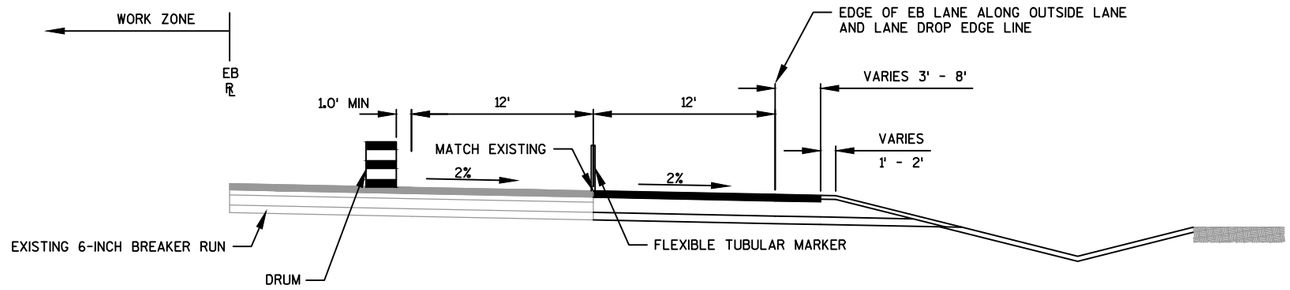


STAGE 3
STA 211EB+50 TO 214 EB+00

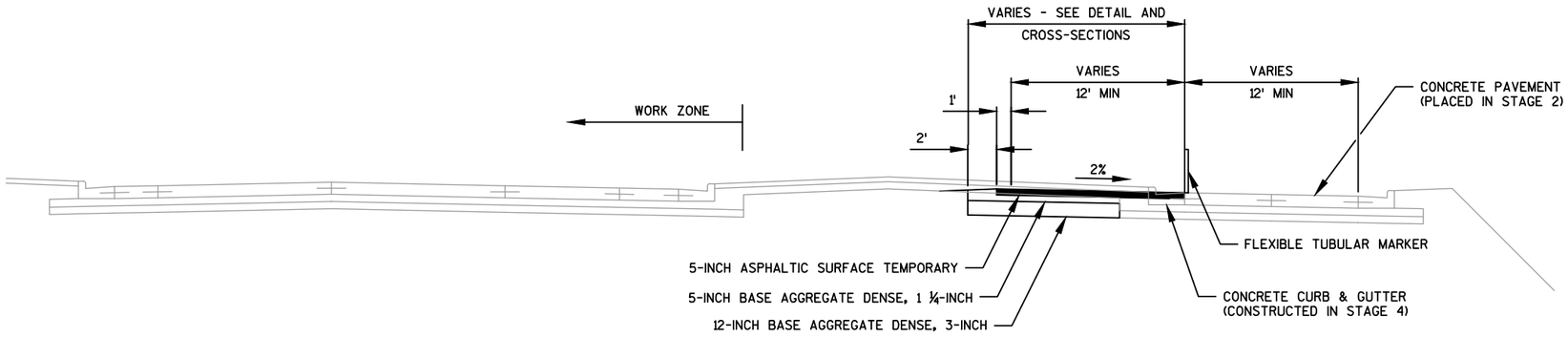


STAGE 3
STA 220EB+50 TO STA 222EB+84

2

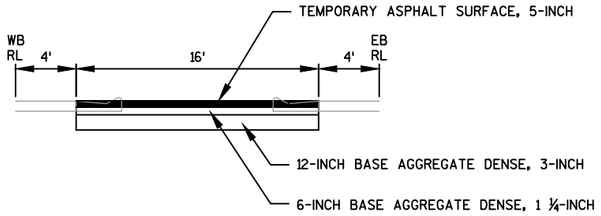


STAGE 3
STA 222'EB'+84 TO 231'EB'+00

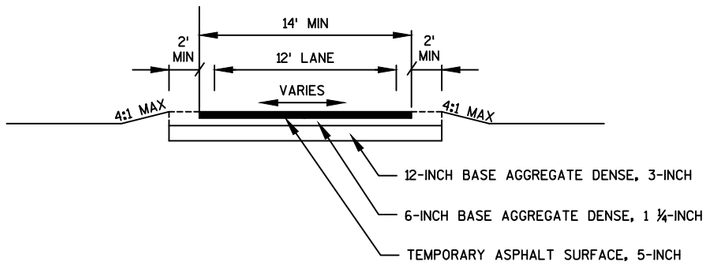


STAGE 2 TEMPORARY ASPHALT PAVEMENT
STA 215'EB'+80 TO 218'EB'+25

2



EAST CROSSOVER
STA 1230+80 TO STA 1232+65



WEST CROSSOVER
STA 208+20 TO STA 210+80

2

CTH CE WB

STAGE 1: SAWCUT AND REMOVE CONCRETE CURB & GUTTER.
STAGE 4: INSTALL CONCRETE CURB & GUTTER, 30-INCH, TYPE A

STAGE 1:
TEMPORARY ASPHALTIC SURFACE, 5-INCH

+22.20'WB'
0.00' LT

1209'WB'

+33.42'WB'
4.70' LT

+82.33'WB'
4.64' LT

1210'WB'

+82.00'WB'
0.00' LT

1211'WB'

+45.77'WB'
2.50' RT

+59.18'WB'
9.35' RT

+59.35'WB'
23.60' RT

+96.65'WB'
16.00' RT

14'

2' TYP.

+61.32'WB'
2.50' RT

+65.56'WB'
27.88' LT

+13.26'WB'
18.00' RT

+37.03'WB'
33.37' LT

+21.88'WB'
16.84' RT

+22.71'WB'
30.95' RT

+95.74'WB'
30.05' RT

+23.68'WB'
37.56' LT

+40.39'WB'
35.27' RT

+12.60'WB'
36.00' RT

STAGE 1:
TEMPORARY COVER
PLATE REQUIRED

STAGE 1:
INSTALL TEMPORARY 150 LF 12-INCH CULVERT PIPE
CONNECT TO EXISTING INLET
INV. WEST = 848.2, INV. INLET = 851.4

(CONC)

STAGE 2: COMPLETE CROSS-OVER PAVEMENT
AFTER CONSTRUCTION OF THE EB LANES
STAGE 4: REMOVE TEMPORARY CROSS-OVER
AND INSTALL CONCRETE CURB & GUTTER

CTH CE EB

(CONC)

24" CMP

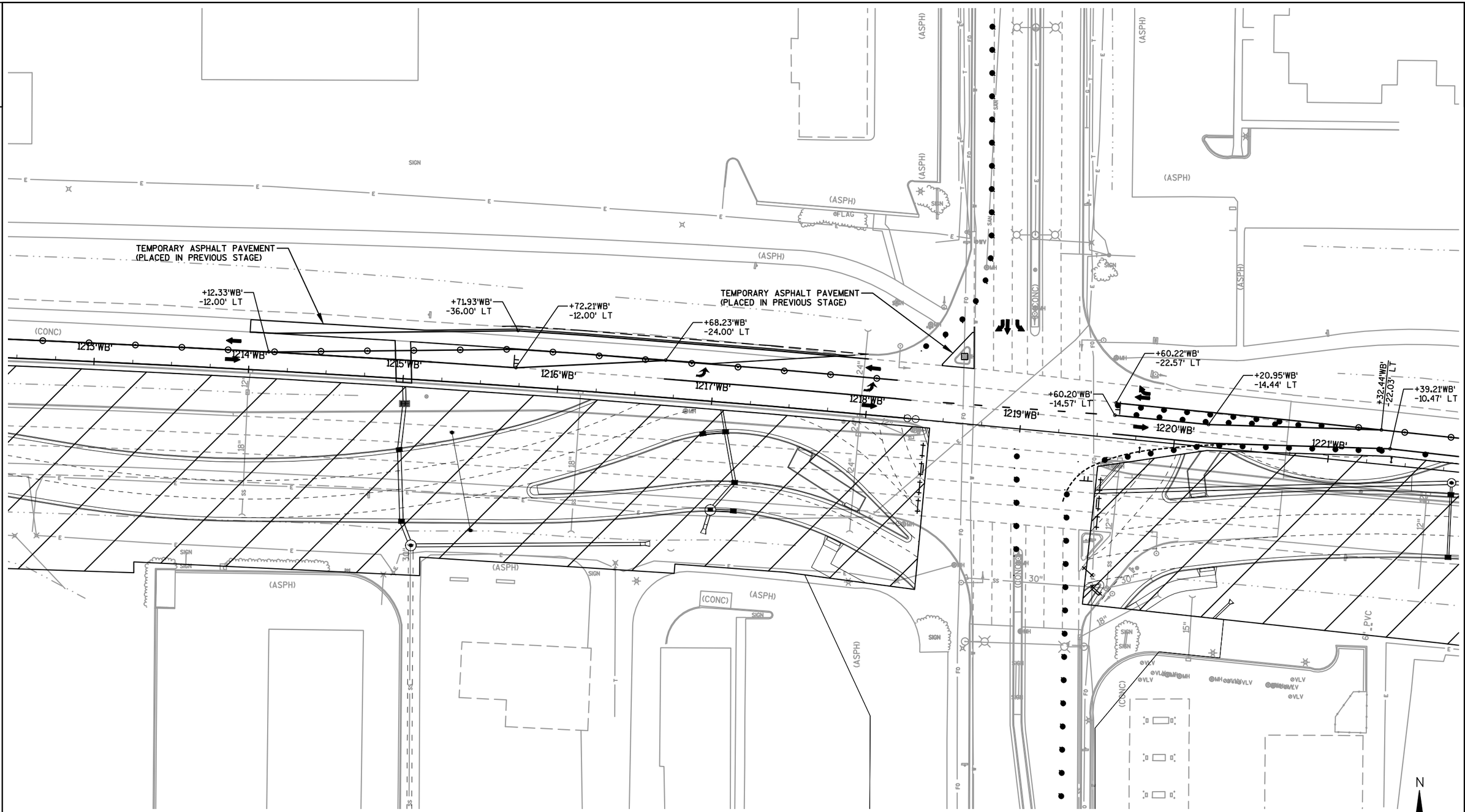
LOWES LANE

N

TEMPORARY WEST CROSS-OVER DETAIL

PROJECT NO: 4160-05-71 / 4160-05-73	HWY: CTH CE	COUNTY: OUTAGAMIE	TRAFFIC CONTROL - DETAILS	SHEET 72	E

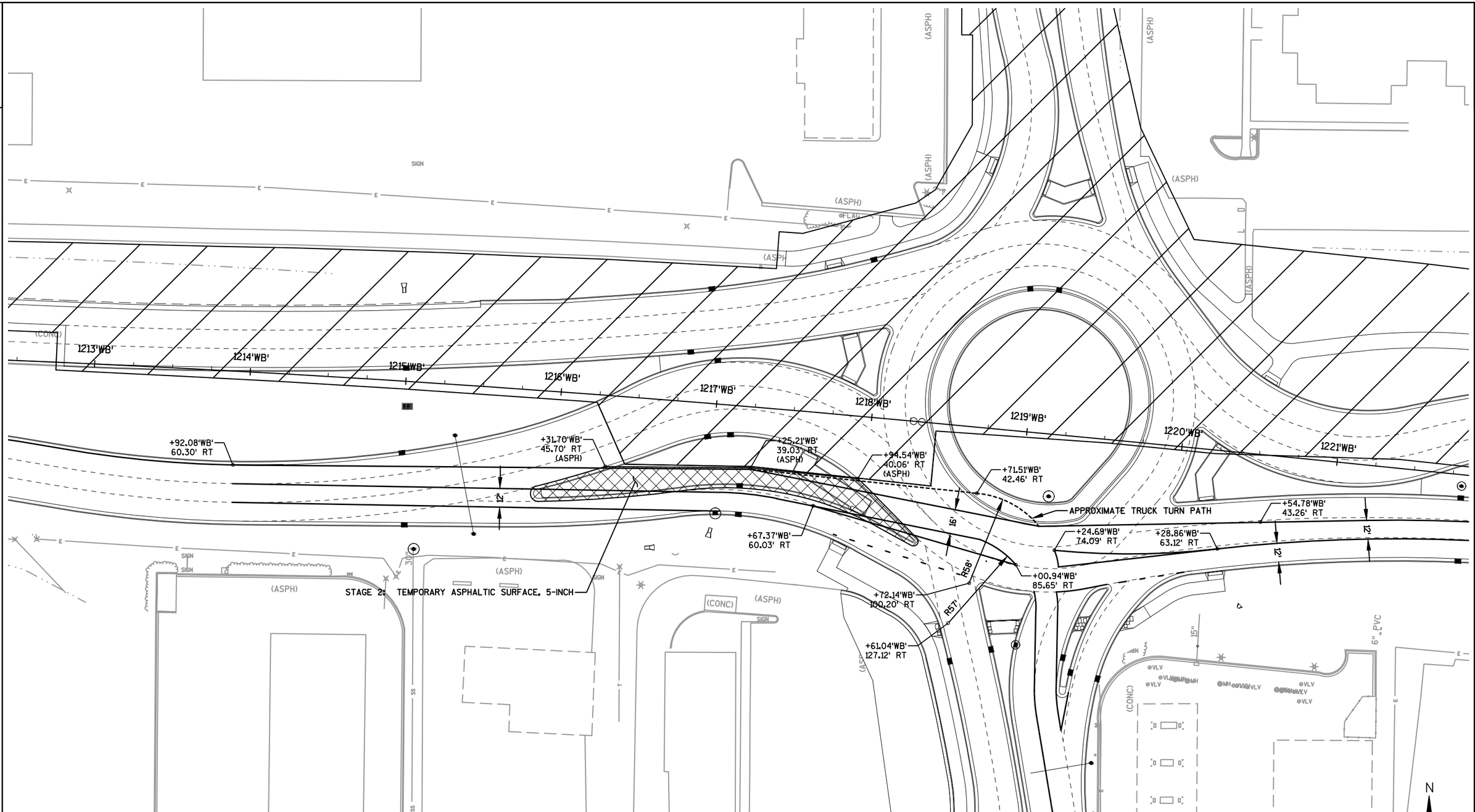
2



STAGE 2A TEMPORARY PAVEMENT MARKING

PROJECT NO: 4160-05-71 / 4160-05-73	HWY: CTH CE	COUNTY: OUTAGAMIE	TRAFFIC CONTROL - DETAILS	SHEET 73	E

2



STAGE 3 TEMPORARY ASPHALT PAVEMENT

(PLACED IN PREVIOUS STAGE)

PROJECT NO: 4160-05-71 / 4160-05-73	HWY: CTH CE	COUNTY: OUTAGAMIE	TRAFFIC CONTROL - DETAILS	SHEET 74	E

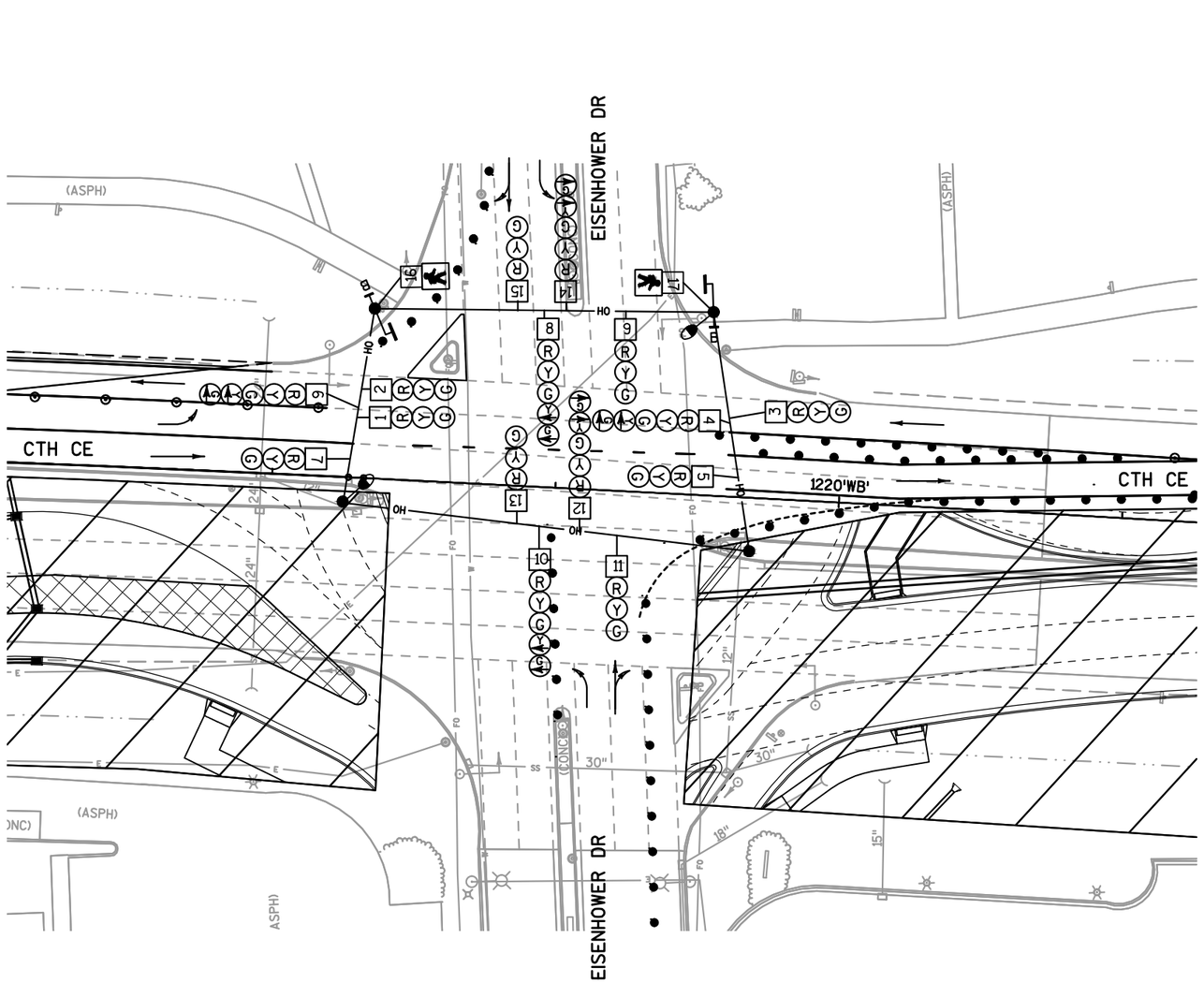
2

GENERAL NOTES

1. ALL EXISTING SIGNAL HEADS SHALL BE REMOVED, COVERED, OR TURNED AWAY FROM TRAFFIC IMMEDIATELY AFTER TURNING ON TEMPORARY SIGNAL.
2. FINAL LOCATIONS OF SIGNAL POLES AND SIGNAL HEADS SHALL BE AS DIRECTED BY THE ENGINEER.
3. GUYING OF POLES IS REQUIRED. LOCATIONS SHALL BE APPROVED BY THE ENGINEER.
4. SEE STANDARD DETAIL DRAWINGS FOR ADDITIONAL REQUIREMENTS.
5. TEMPORARY SIGNAL CABINET AND ELECTRICAL SERVICE REQUIRED.

LEGEND

- CABLE-OVERHEAD
- PEDESTRIAN HEAD WITH PUSH BUTTON
- LUMINAIRE, TEMPORARY POLE
- SIGNAL HEAD NUMBER
- RED CIRCULAR INDICATOR
- YELLOW CIRCULAR INDICATOR
- GREEN CIRCULAR INDICATOR
- RED ARROW
- YELLOW ARROW
- GREEN ARROW
- DON'T WALK INDICATOR 12" / WALK INDICATOR 12"
- TRAFFIC FLOW



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PROJECT NO: 4160-05-71 / 4160-05-73	HWY: CTH CE	COUNTY: OUTAGAMIE	TRAFFIC CONTROL - TEMPORARY SIGNALS STAGE 2A	SHEET 75	E

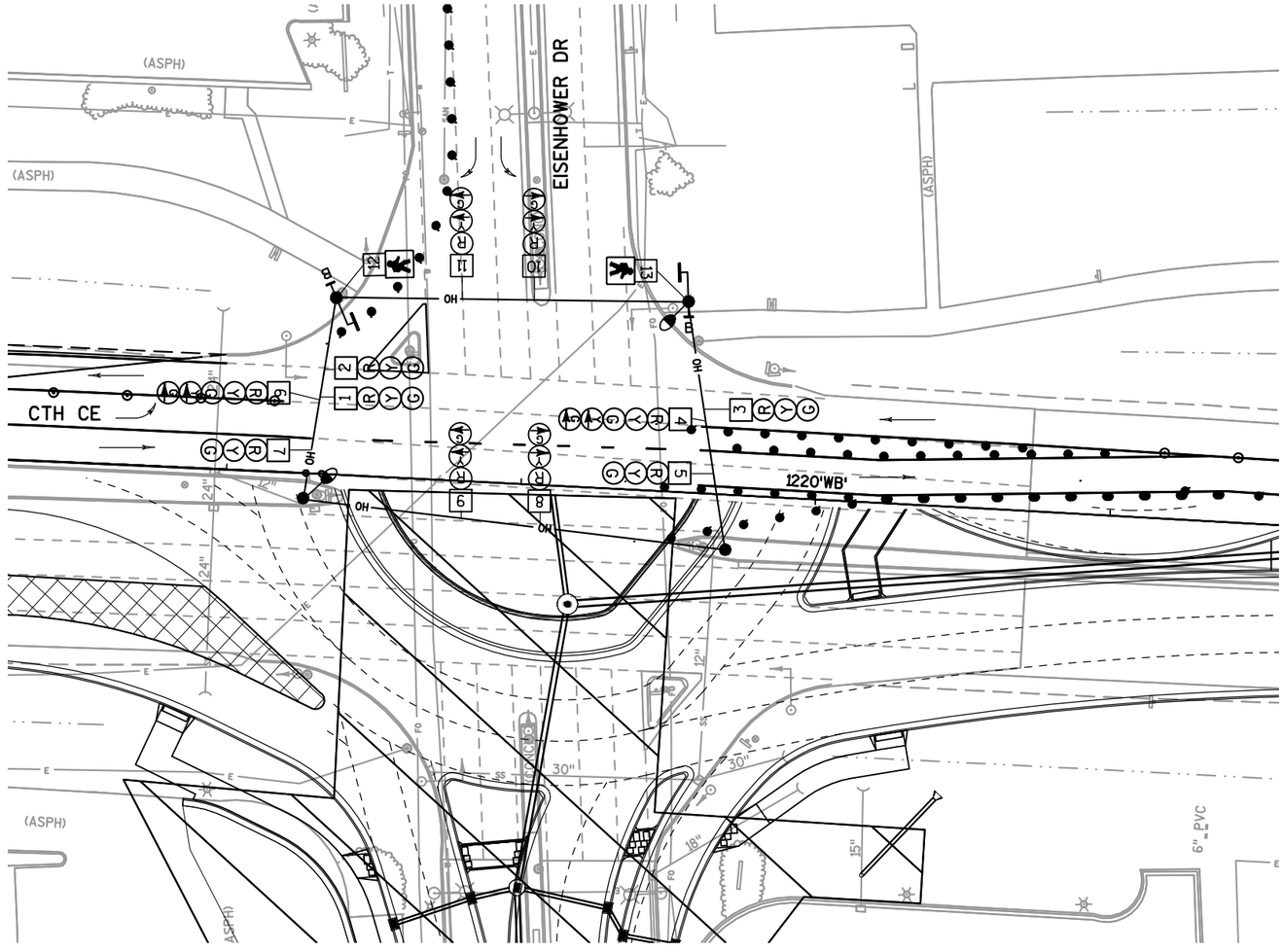
GENERAL NOTES

1. ALL EXISTING SIGNAL HEADS SHALL BE REMOVED, COVERED, OR TURNED AWAY FROM TRAFFIC IMMEDIATELY AFTER TURNING ON TEMPORARY SIGNAL.
2. FINAL LOCATIONS OF SIGNAL POLES AND SIGNAL HEADS SHALL BE AS DIRECTED BY THE ENGINEER.
3. GUYING OF POLES IS REQUIRED. LOCATIONS SHALL BE APPROVED BY THE ENGINEER.
4. SEE STANDARD DETAIL DRAWINGS FOR ADDITIONAL REQUIREMENTS.
5. TEMPORARY SIGNAL CABINET AND ELECTRICAL SERVICE REQUIRED.

LEGEND

- CABLE-OVERHEAD
- PEDESTRIAN HEAD WITH PUSH BUTTON
- LUMINAIRE, TEMPORARY POLE
- SIGNAL HEAD NUMBER
- RED CIRCULAR INDICATOR
- YELLOW CIRCULAR INDICATOR
- GREEN CIRCULAR INDICATOR
- RED ARROW
- YELLOW ARROW
- GREEN ARROW
- DON'T WALK INDICATOR 12" WALK INDICATOR 12"
- TRAFFIC FLOW

N



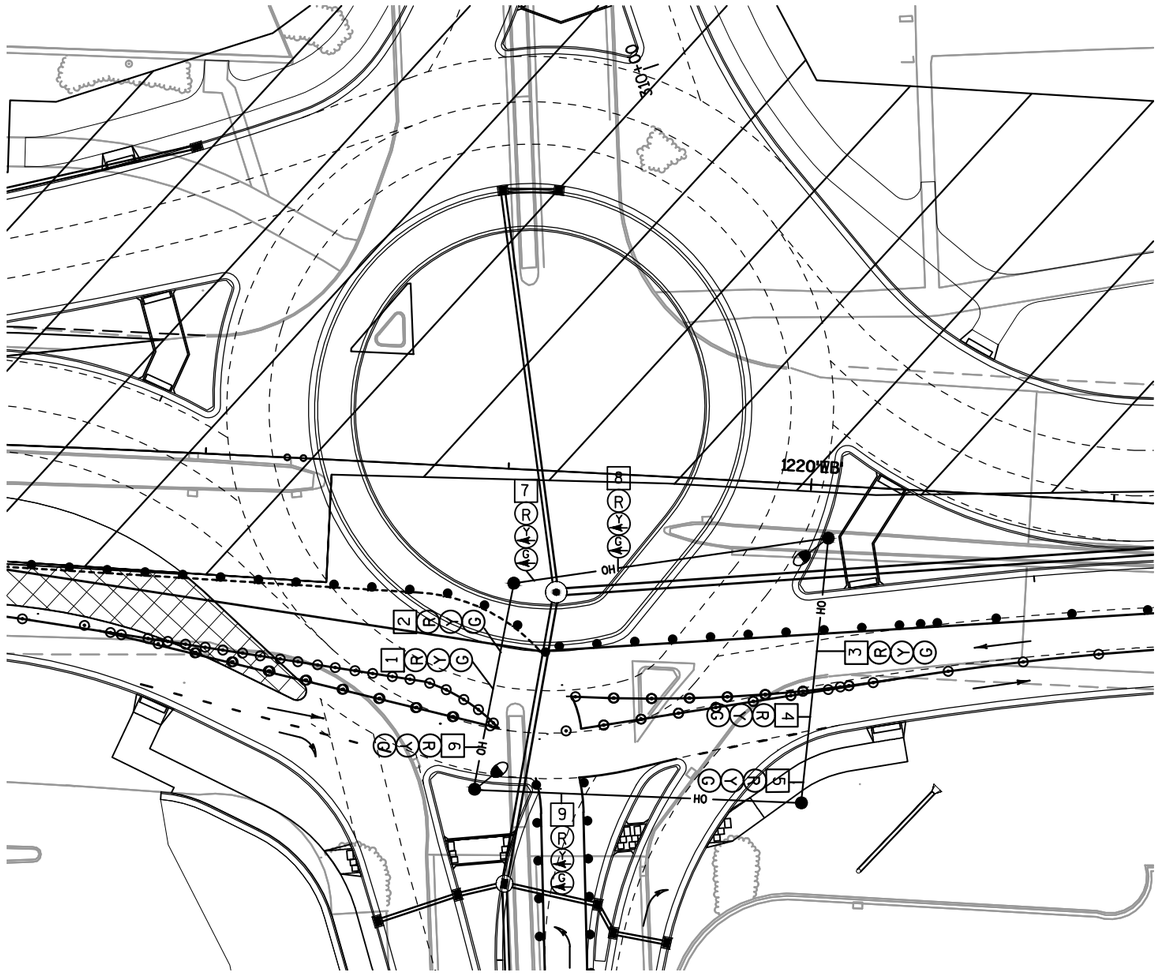
GENERAL NOTES

1. ALL EXISTING SIGNAL HEADS SHALL BE REMOVED, COVERED, OR TURNED AWAY FROM TRAFFIC IMMEDIATELY AFTER TURNING ON TEMPORARY SIGNAL.
2. FINAL LOCATIONS OF SIGNAL POLES AND SIGNAL HEADS SHALL BE AS DIRECTED BY THE ENGINEER.
3. GUYING OF POLES IS REQUIRED. LOCATIONS SHALL BE APPROVED BY THE ENGINEER.
4. SEE STANDARD DETAIL DRAWINGS FOR ADDITIONAL REQUIREMENTS.
5. TEMPORARY SIGNAL CABINET AND ELECTRICAL SERVICE REQUIRED.

LEGEND

- CABLE-OVERHEAD
- PEDESTRIAN HEAD WITH PUSH BUTTON
- LUMINAIRE, TEMPORARY POLE
- SIGNAL HEAD NUMBER
- RED CIRCULAR INDICATOR
- YELLOW CIRCULAR INDICATOR
- GREEN CIRCULAR INDICATOR
- RED ARROW
- YELLOW ARROW
- GREEN ARROW
- DON'T WALK INDICATOR 12" WALK INDICATOR 12"
- TRAFFIC FLOW

N



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PROJECT NO: 4160-05-71 / 4160-05-73	HWY: CTH CE	COUNTY: OUTAGAMIE	TRAFFIC CONTROL - TEMPORARY SIGNALS STAGE 3	SHEET 77	E

2

2

N

KENSINGTON DRIVE

END ROAD WORK
G20-2A
48" X 24"

ROAD WORK AHEAD
W20-1

1180'WB'

1185'WB'

CTH CE (COLLEGE AVENUE)

1190'WB'

500'

500'

ROAD WORK AHEAD
W20-1

ROAD WORK 500 FT
W20-1

END ROAD WORK
G20-2A
48" X 24"

ROAD WORK AHEAD
W20-1

ONLY ONLY
R3-8D
36"X30"

RIGHT LANE MUST TURN RIGHT
R3-7R
30"X30"

ONLY ONLY
R3-8D
36"X30"

RIGHT LANE MUST TURN RIGHT
R3-7R
30"X30"

LANE CLOSED
R11-2(MOD)
48" X 30"

MATCH LINE

TEMPORARY PAVEMENT MARKING LEGEND

- (A) 4-INCH LANE LINE WHITE (12.5' LINE, 37.5' GAP)
- (B) 4-INCH EDGE LINE WHITE
- (C) 4-INCH EDGE LINE YELLOW
- (D) 8-INCH WHITE (3' LINE, 9' GAP)
- (E) REMOVABLE TAPE 4-INCH LANE LINE WHITE (12.5' LINE, 37.5' GAP)
- (F) REMOVABLE TAPE 4-INCH EDGE LINE WHITE
- (G) REMOVABLE TAPE 4-INCH EDGE LINE YELLOW
- (H) REMOVABLE TAPE 8-INCH WHITE
- (I) REMOVABLE TAPE 4-INCH WHITE (3' LINE, 9' GAP)
- (J) 4-INCH LANE LINE WHITE
- (K) REMOVABLE TAPE 4-INCH LANE LINE WHITE
- (L) REMOVABLE TAPE ARROWS
- (M) ARROWS
- (N) STOP LINE 18-INCH
- (O) REMOVABLE TAPE STOP LINE 18-INCH

TRAFFIC CONTROL LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- DIRECTION OF TRAFFIC
- MB PORTABLE CHANGEABLE MESSAGE BOARD

PROJECT NO: 4160-05-71 / 4160-05-73	HWY: CTH CE	COUNTY: OUTAGAMIE	TRAFFIC CONTROL - STAGE 1	SHEET 78	E

2

ROAD WORK AHEAD
W20-1

LANE CLOSED
R11-2(MOD)
48" X 30"

STH 441 SB

REMOVE EXISTING PAVEMENT MARKING SKIPS

EXISTING CHANNELIZING TO REMAIN

END ROAD WORK
G20-2A
48" X 24"

N

1195'WB'

1200'WB'

1205'WB'

MATCH LINE

CTH CE (COLLEGE AVENUE)

MATCH LINE

LANE CLOSED
R11-2(MOD)
48" X 30"

LANE CLOSED
R11-2(MOD)
48" X 30"

EXISTING PAVEMENT MARKING SKIPS TO REMAIN

STH 441 NB

ROAD WORK AHEAD
W20-1

TEMPORARY PAVEMENT MARKING LEGEND

- (A) 4-INCH LANE LINE WHITE (12.5' LINE, 37.5' GAP)
- (B) 4-INCH EDGE LINE WHITE
- (C) 4-INCH EDGE LINE YELLOW
- (D) 8-INCH WHITE (3' LINE, 9' GAP)
- (E) REMOVABLE TAPE 4-INCH LANE LINE WHITE (12.5' LINE, 37.5' GAP)
- (F) REMOVABLE TAPE 4-INCH EDGE LINE WHITE
- (G) REMOVABLE TAPE 4-INCH EDGE LINE YELLOW
- (H) REMOVABLE TAPE 8-INCH WHITE
- (I) REMOVABLE TAPE 4-INCH WHITE (3' LINE, 9' GAP)
- (J) 4-INCH LANE LINE WHITE
- (K) REMOVABLE TAPE 4-INCH LANE LINE WHITE
- (L) REMOVABLE TAPE ARROWS
- (M) ARROWS
- (N) STOP LINE 18-INCH
- (O) REMOVABLE TAPE STOP LINE 18-INCH

TRAFFIC CONTROL LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- DIRECTION OF TRAFFIC
- MB PORTABLE CHANGEABLE MESSAGE BOARD

PROJECT NO: 4160-05-71 / 4160-05-73	HWY: CTH CE	COUNTY: OUTAGAMIE	TRAFFIC CONTROL - STAGE 1	SHEET 79	E

2

TRAFFIC CONTROL LEGEND

- ‡ TYPE III BARRICADE
- ‡ TYPE III BARRICADE WTH ATTACHED SIGN
- ● TRAFFIC CONTROL DRUM
- ● TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- ⊧ SIGN ON PERMANENT SUPPORT
- ⊧ SIGN ON TEMPORARY SUPPORT
- ⊙ DELINEATOR FLEXIBLE/TUBULAR MARKER
- ➡ DIRECTION OF TRAFFIC
- MB PORTABLE CHANGEABLE MESSAGE BOARD

TEMPORARY PAVEMENT MARKING LEGEND

- (A) 4-INCH LANE LINE WHITE (12.5' LINE, 37.5' GAP)
- (B) 4-INCH EDGE LINE WHITE
- (C) 4-INCH EDGE LINE YELLOW
- (D) 8-INCH WHITE (3' LINE, 9' GAP)
- (E) REMOVABLE TAPE 4-INCH LANE LINE WHITE (12.5' LINE, 37.5' GAP)
- (F) REMOVABLE TAPE 4-INCH EDGE LINE WHITE
- (G) REMOVABLE TAPE 4-INCH EDGE LINE YELLOW
- (H) REMOVABLE TAPE 8-INCH WHITE
- (I) REMOVABLE TAPE 4-INCH WHITE (3' LINE, 9' GAP)
- (J) 4-INCH LANE LINE WHITE
- (K) REMOVABLE TAPE 4-INCH LANE LINE WHITE
- (L) REMOVABLE TAPE ARROWS
- (M) ARROWS
- (N) STOP LINE 18-INCH
- (O) REMOVABLE TAPE STOP LINE 18-INCH

SEE SDD 15D20: TRAFFIC CONTROL, SINGLE LANE CLOSURE, NON-FREEWAY/EXPRESSWAY FOR LANE CLOSURE AND ADVANCE SIGNING DETAILS.

END ROAD WORK
G20-2A
48" X 24"

ROAD WORK AHEAD
W20-1

LANE CLOSED
R11-2(MOD)
48" X 30"

TRUMAN STREET

EISENHOWER DRIVE

SAWING CONCRETE FOR INSTALLATION OF STORM SEWER (SEE SPECIAL PROVISIONS FOR TRAFFIC REQUIREMENTS)

TEMPORARY ASPHALTIC SURFACE, 5-INCH

+11.73'WB' -32.13' LT

+71.89'WB' -36.89' LT

+99.69'WB' -32.13' LT

TEMPORARY ASPHALTIC SURFACE, 5-INCH SEE CROSS-OVER DETAIL

1210'WB'

1220'WB'

CTH CE (COLLEGE AVENUE)

REMOVE ISLAND, TEMPORARY COVER PLATE OVER PULLBOX REQUIRED. TEMPORARY ASHPALT REQUIRED.

CONSTRUCT ASPHALTIC CURB TO MAINTAIN EXISTING DRAINAGE

TEMPORARY COVER PLATE REQUIRED (INLET 15.4)

ONE WAY
R6-2R
24"X30"

BEGIN LEFT TURN LANE
R3-20L
24"X36"

ROAD WORK AHEAD
W20-1

MATCH LINE

MATCH LINE

MATCH LINE

N

PROJECT NO: 4160-05-71 / 4160-05-73	HWY: CTH CE	COUNTY: OUTAGAMIE	TRAFFIC CONTROL - STAGE 1	SHEET 80	E

2

2

N

COBBLESTONE LANE

END ROAD WORK
G20-2A
48" X 24"

ROAD WORK AHEAD
W20-1

BEGIN RIGHT TURN LANE
R3-20R
24"X36"

REMOVE CURB & GUTTER
STA 1230+80 - 1232+65 (EB & WB)

CTH CE (COLLEGE AVENUE)

MATCH LINE

1225'WB

1230'WB

1235'WB

TEMPORARY ASPHALT SURFACE, 5-INCH

TEMPORARY COVER PLATES REQUIRED.
SALVAGE INLET COVERS

ONE WAY
R6-2R
24"X30"

TEMPORARY PAVEMENT MARKING LEGEND

- (A) 4-INCH LANE LINE WHITE (12.5' LINE, 37.5' GAP)
- (B) 4-INCH EDGE LINE WHITE
- (C) 4-INCH EDGE LINE YELLOW
- (D) 8-INCH WHITE (3' LINE, 9' GAP)
- (E) REMOVABLE TAPE 4-INCH LANE LINE WHITE (12.5' LINE, 37.5' GAP)
- (F) REMOVABLE TAPE 4-INCH EDGE LINE WHITE
- (G) REMOVABLE TAPE 4-INCH EDGE LINE YELLOW
- (H) REMOVABLE TAPE 8-INCH WHITE
- (I) REMOVABLE TAPE 4-INCH WHITE (3' LINE, 9' GAP)
- (J) 4-INCH LANE LINE WHITE
- (K) REMOVABLE TAPE 4-INCH LANE LINE WHITE
- (L) REMOVABLE TAPE ARROWS
- (M) ARROWS
- (N) STOP LINE 18-INCH
- (O) REMOVABLE TAPE STOP LINE 18-INCH

TRAFFIC CONTROL LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- DIRECTION OF TRAFFIC
- MB PORTABLE CHANGEABLE MESSAGE BOARD

PROJECT NO: 4160-05-71 / 4160-05-73	HWY: CTH CE	COUNTY: OUTAGAMIE	TRAFFIC CONTROL - STAGE 1	SHEET 81	E

2

2

TRAFFIC CONTROL LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- DIRECTION OF TRAFFIC
- MB PORTABLE CHANGEABLE MESSAGE BOARD

END ROAD WORK
G20-2A
48" X 24"

ROAD WORK AHEAD
W20-1

RAILROAD STREET

SEE SDD 15D20: TRAFFIC CONTROL, SINGLE LANE CLOSURE, NON-FREEWAY/EXPRESSWAY FOR LANE CLOSURE AND ADVANCE SIGNING DETAILS

MATCH LINE

12"

1240'WB'

1245'WB'

1250'WB'

CTH CE (COLLEGE AVENUE)

36" SS

LANE CLOSED
R11-2(MOD)
48" X 30"

END ROAD WORK
G20-2A
48" X 24"

BEGIN LEFT TURN LANE
R3-20L
24"X36"

RAILROAD STREET

ROAD WORK AHEAD
W20-1

END ROAD WORK
G20-2A
48" X 24"

N

TEMPORARY PAVEMENT MARKING LEGEND

- (A) 4-INCH LANE LINE WHITE (12.5' LINE, 37.5' GAP)
- (B) 4-INCH EDGE LINE WHITE
- (C) 4-INCH EDGE LINE YELLOW
- (D) 8-INCH WHITE (3' LINE, 9' GAP)
- (E) REMOVABLE TAPE 4-INCH LANE LINE WHITE (12.5' LINE, 37.5' GAP)
- (F) REMOVABLE TAPE 4-INCH EDGE LINE WHITE
- (G) REMOVABLE TAPE 4-INCH EDGE LINE YELLOW
- (H) REMOVABLE TAPE 8-INCH WHITE
- (I) REMOVABLE TAPE 4-INCH WHITE (3' LINE, 9' GAP)
- (J) 4-INCH LANE LINE WHITE
- (K) REMOVABLE TAPE 4-INCH LANE LINE WHITE
- (L) REMOVABLE TAPE ARROWS
- (M) ARROWS
- (N) STOP LINE 18-INCH
- (O) REMOVABLE TAPE STOP LINE 18-INCH

PROJECT NO: 4160-05-71 / 4160-05-73	HWY: CTH CE	COUNTY: OUTAGAMIE	TRAFFIC CONTROL - STAGE 1	SHEET 82	E

2

MATCH LINE

2

VAN ROY ROAD

VAN ROY ROAD

THEATER WAY

EISENHOWER DRIVE

SEE SDD 15D20: TRAFFIC CONTROL, SINGLE LANE CLOSURE, NON-FREEWAY/EXPRESSWAY FOR LANE CLOSURE AND ADVANCE SIGNING DETAILS

N

TEMPORARY PAVEMENT MARKING LEGEND

- (A) 4-INCH LANE LINE WHITE (12.5' LINE, 37.5' GAP)
- (B) 4-INCH EDGE LINE WHITE
- (C) 4-INCH EDGE LINE YELLOW
- (D) 8-INCH WHITE (3' LINE, 9' GAP)
- (E) REMOVABLE TAPE 4-INCH LANE LINE WHITE (12.5' LINE, 37.5' GAP)
- (F) REMOVABLE TAPE 4-INCH EDGE LINE WHITE
- (G) REMOVABLE TAPE 4-INCH EDGE LINE YELLOW
- (H) REMOVABLE TAPE 8-INCH WHITE
- (I) REMOVABLE TAPE 4-INCH WHITE (3' LINE, 9' GAP)
- (J) 4-INCH LANE LINE WHITE
- (K) REMOVABLE TAPE 4-INCH LANE LINE WHITE
- (L) REMOVABLE TAPE ARROWS
- (M) ARROWS
- (N) STOP LINE 18-INCH
- (O) REMOVABLE TAPE STOP LINE 18-INCH

TRAFFIC CONTROL LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- DIRECTION OF TRAFFIC
- MB PORTABLE CHANGEABLE MESSAGE BOARD

PROJECT NO: 4160-05-71 / 4160-05-73	HWY: CTH CE	COUNTY: OUTAGAMIE	TRAFFIC CONTROL - STAGE 1	SHEET 83	E

2

2

N

ROAD WORK AHEAD
W20-1

LANE CLOSED
R11-2(MOD)
48" X 30"

STH 441 SB

UTILIZE TRAFFIC CONTROL PLACED IN STAGE 1

END ROAD WORK
G20-2A
48" X 24"

1195'WB'

1200'WB'

1205'WB'

MATCH LINE

MATCH LINE

CTH CE (COLLEGE AVENUE)

LANE CLOSED
R11-2(MOD)
48" X 30"

LANE CLOSED
R11-2(MOD)
48" X 30"

W01-3L

25 M.P.H.
W013-1
24" X 24"

ONLY ONLY
R3-8D
36"X30"

RIGHT LANE MUST TURN RIGHT
R3-7R
30"X30"

STH 441 NB

ROAD WORK AHEAD
W20-1

TEMPORARY PAVEMENT MARKING LEGEND

- (A) 4-INCH LANE LINE WHITE (12.5' LINE, 37.5' GAP)
- (B) 4-INCH EDGE LINE WHITE
- (C) 4-INCH EDGE LINE YELLOW
- (D) 8-INCH WHITE (3' LINE, 9' GAP)
- (E) REMOVABLE TAPE 4-INCH LANE LINE WHITE (12.5' LINE, 37.5' GAP)
- (F) REMOVABLE TAPE 4-INCH EDGE LINE WHITE
- (G) REMOVABLE TAPE 4-INCH EDGE LINE YELLOW
- (H) REMOVABLE TAPE 8-INCH WHITE
- (I) REMOVABLE TAPE 4-INCH WHITE (3' LINE, 9' GAP)
- (J) 4-INCH LANE LINE WHITE
- (K) REMOVABLE TAPE 4-INCH LANE LINE WHITE
- (L) REMOVABLE TAPE ARROWS
- (M) ARROWS
- (N) STOP LINE 18-INCH
- (O) REMOVABLE TAPE STOP LINE 18-INCH

TRAFFIC CONTROL LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- DIRECTION OF TRAFFIC
- MB PORTABLE CHANGEABLE MESSAGE BOARD

PROJECT NO: 4160-05-71 / 4160-05-73	HWY: CTH CE	COUNTY: OUTAGAMIE	TRAFFIC CONTROL - STAGE 2A	SHEET 84	E

2

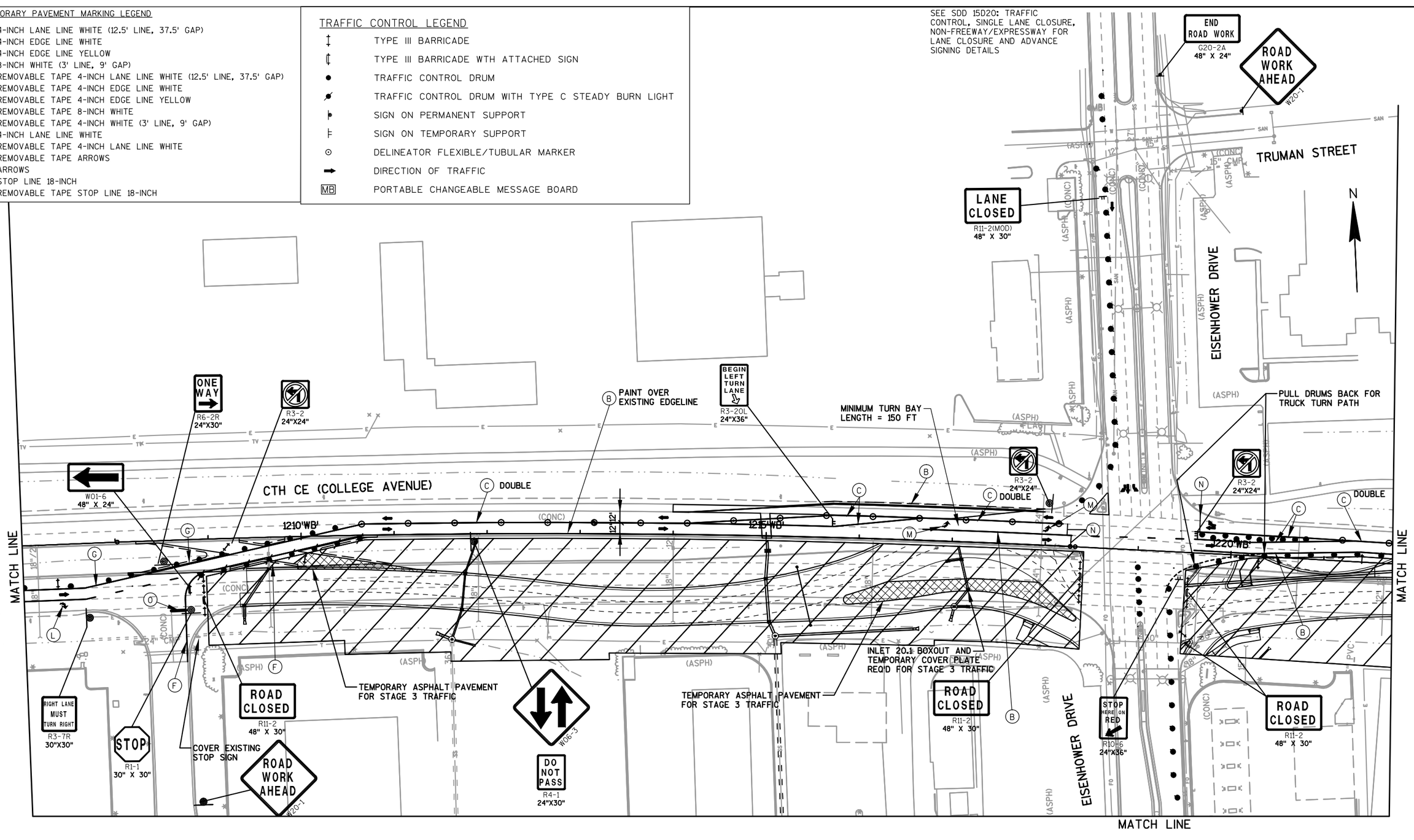
TEMPORARY PAVEMENT MARKING LEGEND

- (A) 4-INCH LANE LINE WHITE (12.5' LINE, 37.5' GAP)
- (B) 4-INCH EDGE LINE WHITE
- (C) 4-INCH EDGE LINE YELLOW
- (D) 8-INCH WHITE (3' LINE, 9' GAP)
- (E) REMOVABLE TAPE 4-INCH LANE LINE WHITE (12.5' LINE, 37.5' GAP)
- (F) REMOVABLE TAPE 4-INCH EDGE LINE WHITE
- (G) REMOVABLE TAPE 4-INCH EDGE LINE YELLOW
- (H) REMOVABLE TAPE 8-INCH WHITE
- (I) REMOVABLE TAPE 4-INCH WHITE (3' LINE, 9' GAP)
- (J) 4-INCH LANE LINE WHITE
- (K) REMOVABLE TAPE 4-INCH LANE LINE WHITE
- (L) REMOVABLE TAPE ARROWS
- (M) ARROWS
- (N) STOP LINE 18-INCH
- (O) REMOVABLE TAPE STOP LINE 18-INCH

TRAFFIC CONTROL LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- DIRECTION OF TRAFFIC
- MB PORTABLE CHANGEABLE MESSAGE BOARD

SEE SDD 15D20: TRAFFIC CONTROL, SINGLE LANE CLOSURE, NON-FREEWAY/EXPRESSWAY FOR LANE CLOSURE AND ADVANCE SIGNING DETAILS



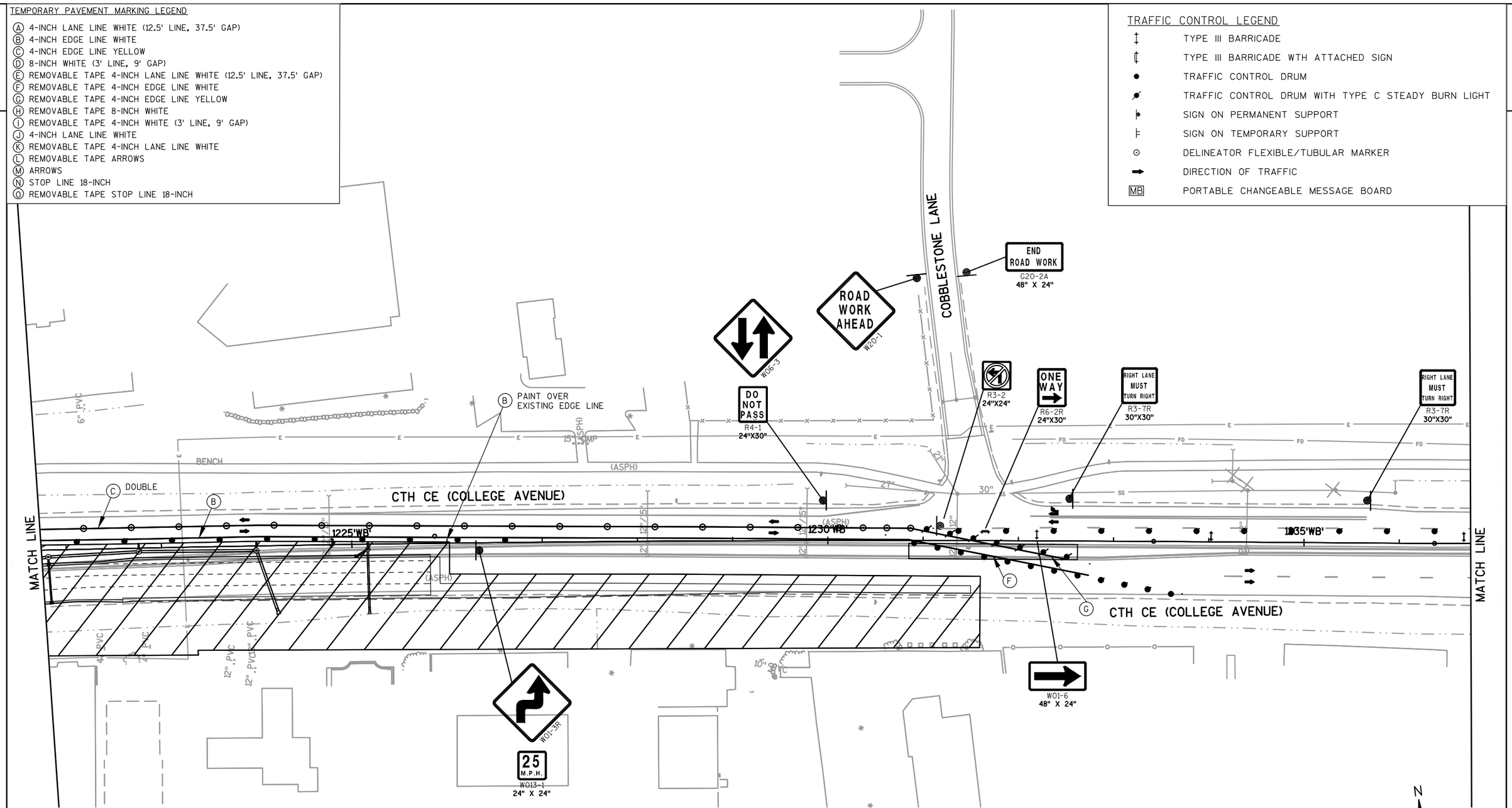
PROJECT NO: 4160-05-71 / 4160-05-73	HWY: CTH CE	COUNTY: OUTAGAMIE	TRAFFIC CONTROL - STAGE 2A	SHEET 85	E

TEMPORARY PAVEMENT MARKING LEGEND

- (A) 4-INCH LANE LINE WHITE (12.5' LINE, 37.5' GAP)
- (B) 4-INCH EDGE LINE WHITE
- (C) 4-INCH EDGE LINE YELLOW
- (D) 8-INCH WHITE (3' LINE, 9' GAP)
- (E) REMOVABLE TAPE 4-INCH LANE LINE WHITE (12.5' LINE, 37.5' GAP)
- (F) REMOVABLE TAPE 4-INCH EDGE LINE WHITE
- (G) REMOVABLE TAPE 4-INCH EDGE LINE YELLOW
- (H) REMOVABLE TAPE 8-INCH WHITE
- (I) REMOVABLE TAPE 4-INCH WHITE (3' LINE, 9' GAP)
- (J) 4-INCH LANE LINE WHITE
- (K) REMOVABLE TAPE 4-INCH LANE LINE WHITE
- (L) REMOVABLE TAPE ARROWS
- (M) ARROWS
- (N) STOP LINE 18-INCH
- (O) REMOVABLE TAPE STOP LINE 18-INCH

TRAFFIC CONTROL LEGEND

- ‡ TYPE III BARRICADE
- ‡ TYPE III BARRICADE WTH ATTACHED SIGN
- ● TRAFFIC CONTROL DRUM
- ● TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- ⊙ DELINEATOR FLEXIBLE/TUBULAR MARKER
- ➡ DIRECTION OF TRAFFIC
- MB PORTABLE CHANGEABLE MESSAGE BOARD



PROJECT NO: 4160-05-71 / 4160-05-73	HWY: CTH CE	COUNTY: OUTAGAMIE	TRAFFIC CONTROL - STAGE 2A	SHEET 86	E

FILE NAME : F:\TR\JOBS\E1887A09\CIVIL 3D 2012\SHEETSPLAN\416005_026002_TC-S2A.DWG
416005_026024_tc-s2A

PLOT DATE : 10/29/2014 4:36 PM PLOT BY : OMNNI ASSOCIATES, INC - CRAIG KNUTH

WISDOT/CADDS SHEET 42

2

N

END ROAD WORK
G20-2A
48" X 24"

ROAD WORK AHEAD
W20-1

RAILROAD STREET

NO LEFT TURN AT EISENHOWER
54" X 18"

ALTERNATE BUSINESS ACCESS
42" X 42"

SEE SDD 15D20: TRAFFIC CONTROL, SINGLE LANE CLOSURE, NON-FREEWAY/EXPRESSWAY FOR LANE CLOSURE AND ADVANCE SIGNING DETAILS

1240'WB'

1245'WB'

1250'WB'

CTH CE (COLLEGE AVENUE)

MATCH LINE

36" SS

LANE CLOSED
R11-2(MOD)
48" X 30"

END ROAD WORK
G20-2A
48" X 24"

BEGIN LEFT TURN LANE
R3-20L
24"X36"

RAILROAD STREET

END ROAD WORK
G20-2A
48" X 24"

ROAD WORK AHEAD
W20-1

TEMPORARY PAVEMENT MARKING LEGEND

- (A) 4-INCH LANE LINE WHITE (12.5' LINE, 37.5' GAP)
- (B) 4-INCH EDGE LINE WHITE
- (C) 4-INCH EDGE LINE YELLOW
- (D) 8-INCH WHITE (3' LINE, 9' GAP)
- (E) REMOVABLE TAPE 4-INCH LANE LINE WHITE (12.5' LINE, 37.5' GAP)
- (F) REMOVABLE TAPE 4-INCH EDGE LINE WHITE
- (G) REMOVABLE TAPE 4-INCH EDGE LINE YELLOW
- (H) REMOVABLE TAPE 8-INCH WHITE
- (I) REMOVABLE TAPE 4-INCH WHITE (3' LINE, 9' GAP)
- (J) 4-INCH LANE LINE WHITE
- (K) REMOVABLE TAPE 4-INCH LANE LINE WHITE
- (L) REMOVABLE TAPE ARROWS
- (M) ARROWS
- (N) STOP LINE 18-INCH
- (O) REMOVABLE TAPE STOP LINE 18-INCH

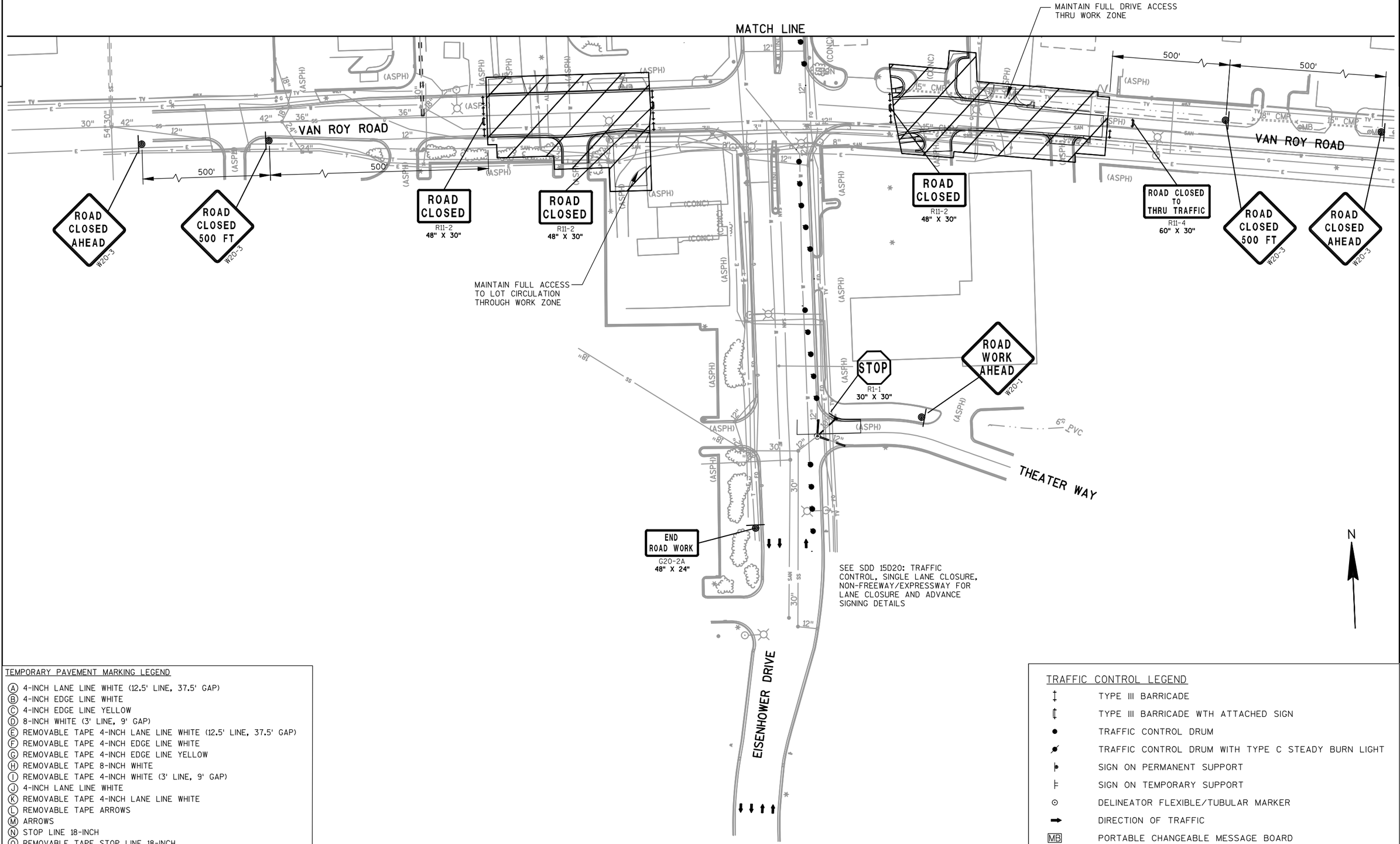
TRAFFIC CONTROL LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- DIRECTION OF TRAFFIC
- MB PORTABLE CHANGEABLE MESSAGE BOARD

PROJECT NO: 4160-05-71 / 4160-05-73	HWY: CTH CE	COUNTY: OUTAGAMIE	TRAFFIC CONTROL - STAGE 2A	SHEET 87	E

MATCH LINE

2



TEMPORARY PAVEMENT MARKING LEGEND

- (A) 4-INCH LANE LINE WHITE (12.5' LINE, 37.5' GAP)
- (B) 4-INCH EDGE LINE WHITE
- (C) 4-INCH EDGE LINE YELLOW
- (D) 8-INCH WHITE (3' LINE, 9' GAP)
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- (G) REMOVABLE TAPE 4-INCH EDGE LINE YELLOW
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- (I) REMOVABLE TAPE 4-INCH WHITE (3' LINE, 9' GAP)
- (J) 4-INCH LANE LINE WHITE
- (K) REMOVABLE TAPE 4-INCH LANE LINE WHITE
- (L) REMOVABLE TAPE ARROWS
- (M) ARROWS
- (N) STOP LINE 18-INCH
- (O) REMOVABLE TAPE STOP LINE 18-INCH

TRAFFIC CONTROL LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- DIRECTION OF TRAFFIC
- MB PORTABLE CHANGEABLE MESSAGE BOARD

PROJECT NO: 4160-05-71 / 4160-05-73	HWY: CTH CE	COUNTY: OUTAGAMIE	TRAFFIC CONTROL - STAGE 2A	SHEET 88	E

2

2

N

ROAD WORK AHEAD
W20-1

LANE CLOSED
R11-2(MOD)
48" X 30"

STH 441 SB

UTILIZE TRAFFIC CONTROL PLACED IN STAGE 1

END ROAD WORK
G20-2A
48" X 24"

1195'WB'

1200'WB'

1205'WB'

CTH CE (COLLEGE AVENUE)

LANE CLOSED
R11-2(MOD)
48" X 30"

LANE CLOSED
R11-2(MOD)
48" X 30"

W01-3L

25 M.P.H.
W013-1
24" X 24"

ONLY ONLY
R3-8D
36"X30"

RIGHT LANE MUST TURN RIGHT
R3-7R
30"X30"

STH 441 NB

ROAD WORK AHEAD
W20-1

TEMPORARY PAVEMENT MARKING LEGEND

- (A) 4-INCH LANE LINE WHITE (12.5' LINE, 37.5' GAP)
- (B) 4-INCH EDGE LINE WHITE
- (C) 4-INCH EDGE LINE YELLOW
- (D) 8-INCH WHITE (3' LINE, 9' GAP)
- (E) REMOVABLE TAPE 4-INCH LANE LINE WHITE (12.5' LINE, 37.5' GAP)
- (F) REMOVABLE TAPE 4-INCH EDGE LINE WHITE
- (G) REMOVABLE TAPE 4-INCH EDGE LINE YELLOW
- (H) REMOVABLE TAPE 8-INCH WHITE
- (I) REMOVABLE TAPE 4-INCH WHITE (3' LINE, 9' GAP)
- (J) 4-INCH LANE LINE WHITE
- (K) REMOVABLE TAPE 4-INCH LANE LINE WHITE
- (L) REMOVABLE TAPE ARROWS
- (M) ARROWS
- (N) STOP LINE 18-INCH
- (O) REMOVABLE TAPE STOP LINE 18-INCH

TRAFFIC CONTROL LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- DIRECTION OF TRAFFIC
- MB PORTABLE CHANGEABLE MESSAGE BOARD

PROJECT NO: 4160-05-71 / 4160-05-73	HWY: CTH CE	COUNTY: OUTAGAMIE	TRAFFIC CONTROL - STAGE 2B	SHEET 89	E

2

TEMPORARY PAVEMENT MARKING LEGEND

- (A) 4-INCH LANE LINE WHITE (12.5' LINE, 37.5' GAP)
- (B) 4-INCH EDGE LINE WHITE
- (C) 4-INCH EDGE LINE YELLOW
- (D) 8-INCH WHITE (3' LINE, 9' GAP)
- (E) REMOVABLE TAPE 4-INCH LANE LINE WHITE (12.5' LINE, 37.5' GAP)
- (F) REMOVABLE TAPE 4-INCH EDGE LINE WHITE
- (G) REMOVABLE TAPE 4-INCH EDGE LINE YELLOW
- (H) REMOVABLE TAPE 8-INCH WHITE
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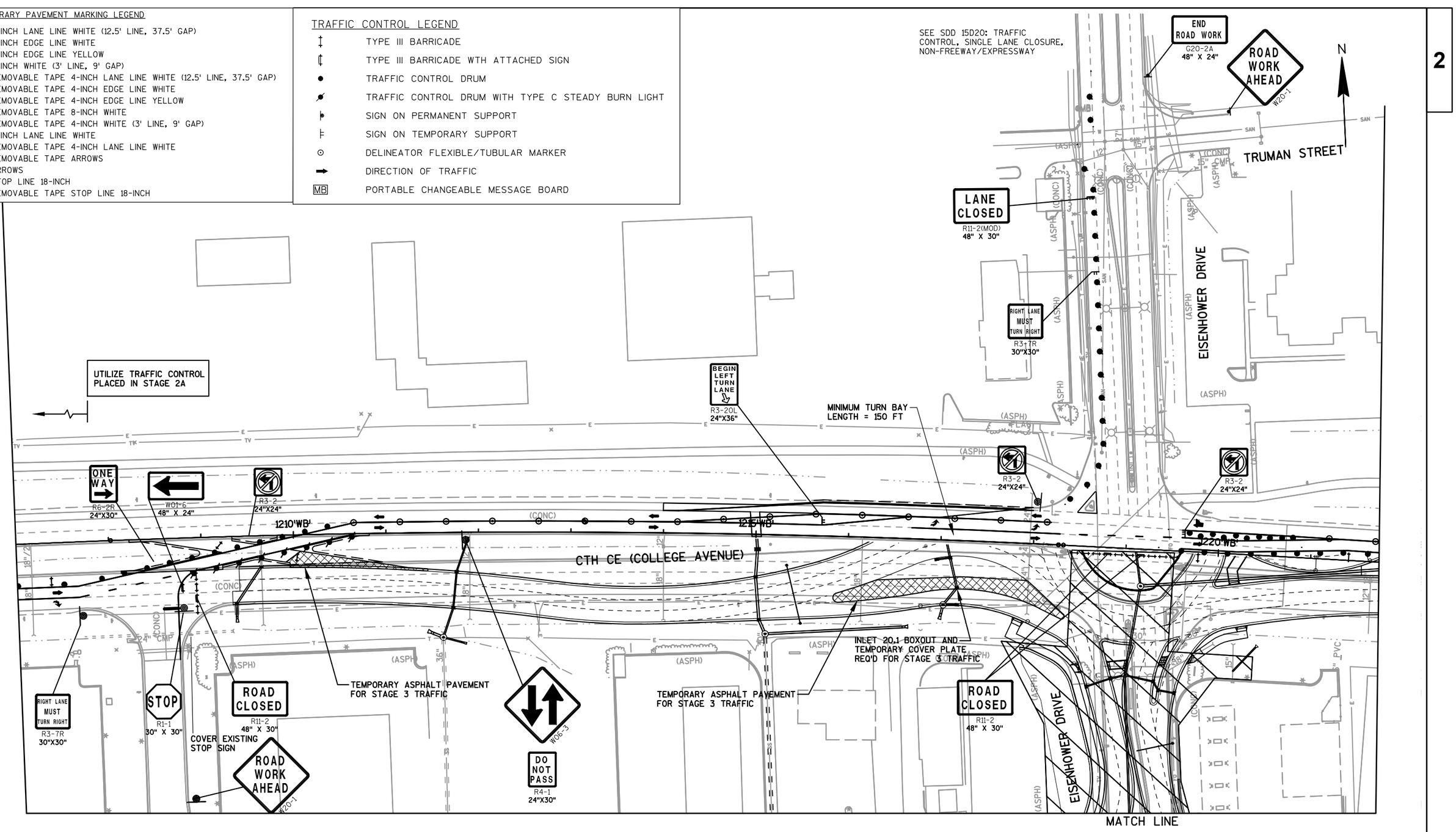
- (J) 4-INCH LANE LINE WHITE
- (K) REMOVABLE TAPE 4-INCH LANE LINE WHITE
- (L) REMOVABLE TAPE ARROWS
- (M) ARROWS
- (N) STOP LINE 18-INCH
- (O) REMOVABLE TAPE STOP LINE 18-INCH

TRAFFIC CONTROL LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- DIRECTION OF TRAFFIC
- MB PORTABLE CHANGEABLE MESSAGE BOARD

SEE SDD 15D20: TRAFFIC CONTROL, SINGLE LANE CLOSURE, NON-FREEWAY/EXPRESSWAY



PROJECT NO: 4160-05-71 / 4160-05-73	HWY: CTH CE	COUNTY: OUTAGAMIE	TRAFFIC CONTROL - STAGE 2B	SHEET 90	E

2

TEMPORARY PAVEMENT MARKING LEGEND

- (A) 4-INCH LANE LINE WHITE (12.5' LINE, 37.5' GAP)
- (B) 4-INCH EDGE LINE WHITE
- (C) 4-INCH EDGE LINE YELLOW
- (D) 8-INCH WHITE (3' LINE, 9' GAP)
- (E) REMOVABLE TAPE 4-INCH LANE LINE WHITE (12.5' LINE, 37.5' GAP)
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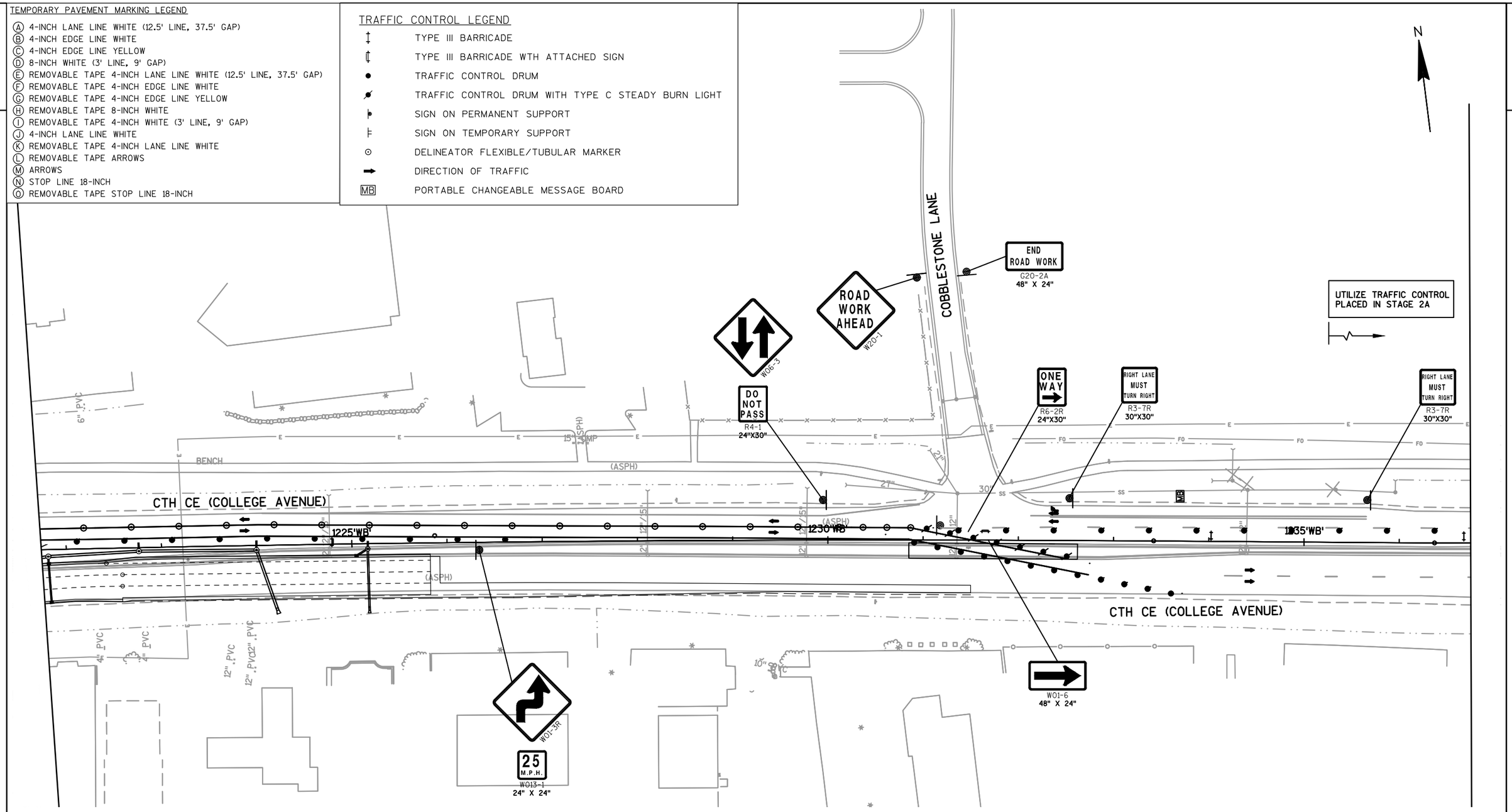
- (G) REMOVABLE TAPE 4-INCH EDGE LINE YELLOW
- (H) REMOVABLE TAPE 8-INCH WHITE
- (I) REMOVABLE TAPE 4-INCH WHITE (3' LINE, 9' GAP)
- (J) 4-INCH LANE LINE WHITE
- (K) REMOVABLE TAPE 4-INCH LANE LINE WHITE
- (L) REMOVABLE TAPE ARROWS
- (M) ARROWS
- (N) STOP LINE 18-INCH
- (O) REMOVABLE TAPE STOP LINE 18-INCH

TRAFFIC CONTROL LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- DIRECTION OF TRAFFIC
- MB PORTABLE CHANGEABLE MESSAGE BOARD

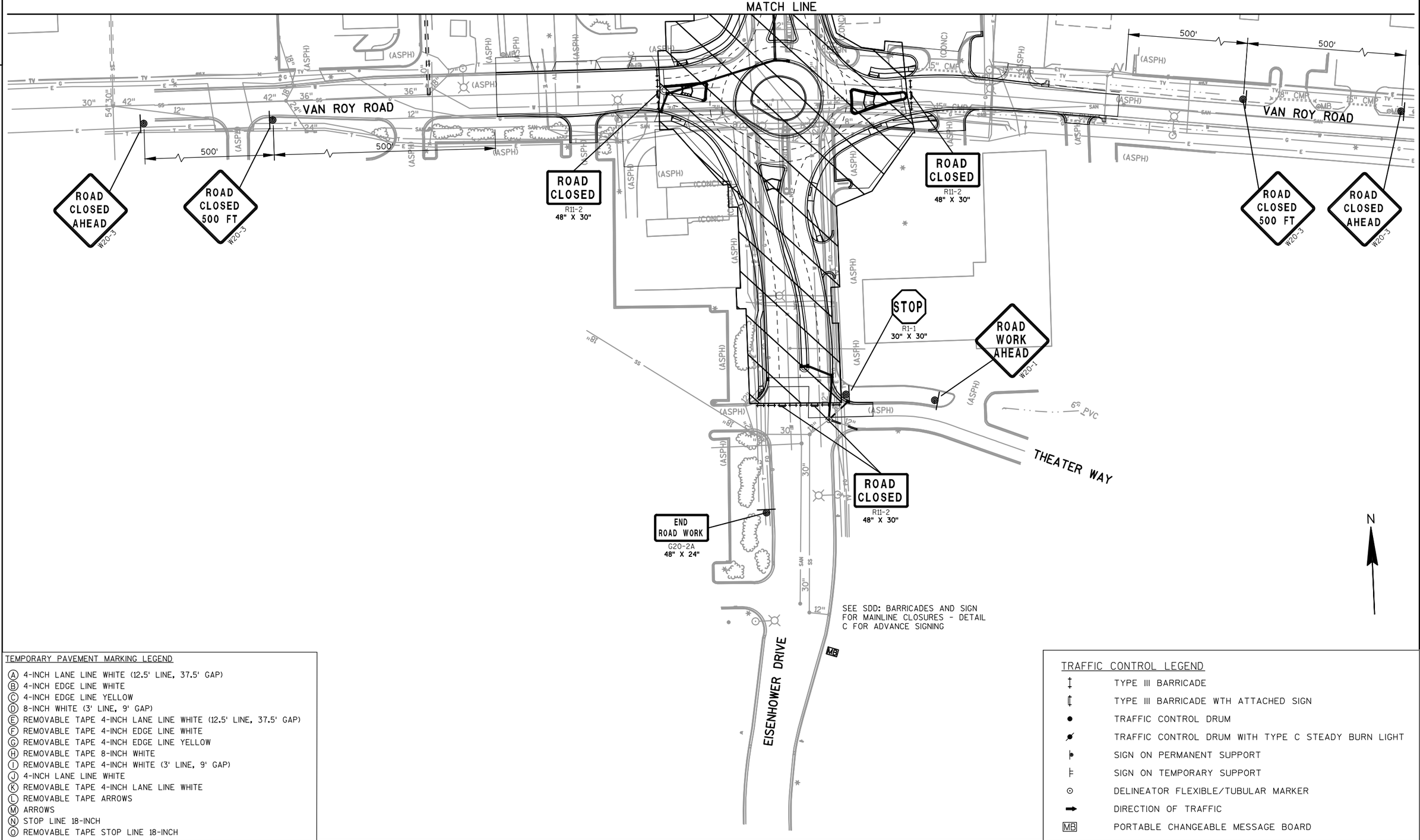


PROJECT NO: 4160-05-71 / 4160-05-73	HWY: CTH CE	COUNTY: OUTAGAMIE	TRAFFIC CONTROL - STAGE 2B	SHEET 91	E

FILE NAME : F:\TR\JOBS\E1887A09\CIVIL 3D 2012\SHEETSPLAN\416005_026002_TC-S2B.DWG
416005_026034_tc-s2B

PLOT DATE : 10/28/2014 10:21 AM PLOT BY : OMNNI ASSOCIATES, INC - CRAIG KNUTH

WISDOT/CADDS SHEET 42



TEMPORARY PAVEMENT MARKING LEGEND

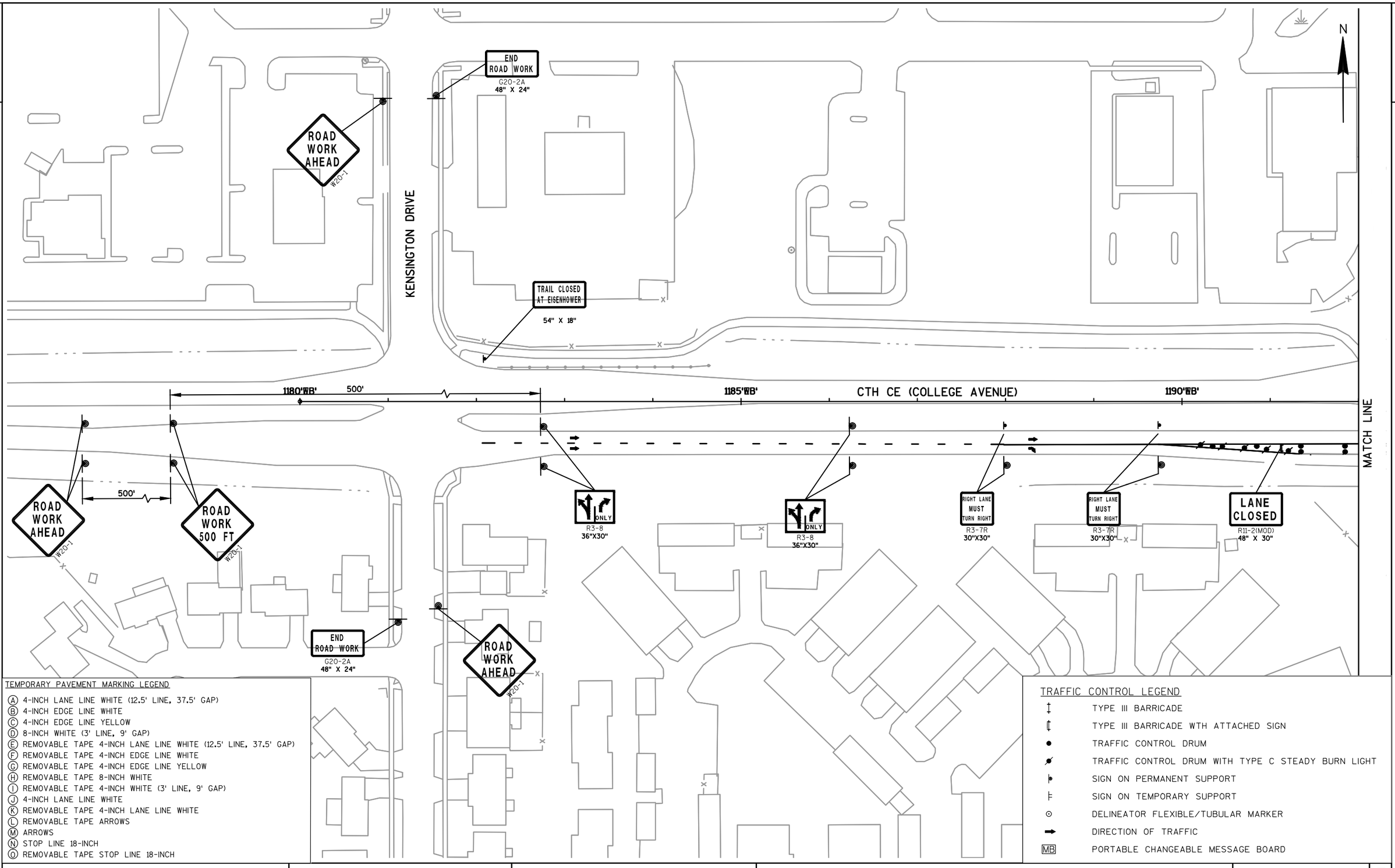
- Ⓐ 4-INCH LANE LINE WHITE (12.5' LINE, 37.5' GAP)
- Ⓑ 4-INCH EDGE LINE WHITE
- Ⓒ 4-INCH EDGE LINE YELLOW
- Ⓓ 8-INCH WHITE (3' LINE, 9' GAP)
- Ⓔ REMOVABLE TAPE 4-INCH LANE LINE WHITE (12.5' LINE, 37.5' GAP)
- Ⓕ REMOVABLE TAPE 4-INCH EDGE LINE WHITE
- Ⓖ REMOVABLE TAPE 4-INCH EDGE LINE YELLOW
- Ⓗ REMOVABLE TAPE 8-INCH WHITE
- Ⓘ REMOVABLE TAPE 4-INCH WHITE (3' LINE, 9' GAP)
- Ⓙ 4-INCH LANE LINE WHITE
- Ⓚ REMOVABLE TAPE 4-INCH LANE LINE WHITE
- Ⓛ REMOVABLE TAPE ARROWS
- Ⓜ ARROWS
- Ⓝ STOP LINE 18-INCH
- Ⓞ REMOVABLE TAPE STOP LINE 18-INCH

TRAFFIC CONTROL LEGEND

‡	TYPE III BARRICADE
‡	TYPE III BARRICADE WTH ATTACHED SIGN
●	TRAFFIC CONTROL DRUM
●	TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
	SIGN ON PERMANENT SUPPORT
⊢	SIGN ON TEMPORARY SUPPORT
⊙	DELINEATOR FLEXIBLE/TUBULAR MARKER
➡	DIRECTION OF TRAFFIC
MB	PORTABLE CHANGEABLE MESSAGE BOARD

PROJECT NO: 4160-05-71 / 4160-05-73	HWY: CTH CE	COUNTY: OUTAGAMIE	TRAFFIC CONTROL - STAGE 2B	SHEET 92	E

2



TEMPORARY PAVEMENT MARKING LEGEND

- (A) 4-INCH LANE LINE WHITE (12.5' LINE, 37.5' GAP)
- (B) 4-INCH EDGE LINE WHITE
- (C) 4-INCH EDGE LINE YELLOW
- (D) 8-INCH WHITE (3' LINE, 9' GAP)
- (E) REMOVABLE TAPE 4-INCH LANE LINE WHITE (12.5' LINE, 37.5' GAP)
- (F) REMOVABLE TAPE 4-INCH EDGE LINE WHITE
- (G) REMOVABLE TAPE 4-INCH EDGE LINE YELLOW
- (H) REMOVABLE TAPE 8-INCH WHITE
- (I) REMOVABLE TAPE 4-INCH WHITE (3' LINE, 9' GAP)
- (J) 4-INCH LANE LINE WHITE
- (K) REMOVABLE TAPE 4-INCH LANE LINE WHITE
- (L) REMOVABLE TAPE ARROWS
- (M) ARROWS
- (N) STOP LINE 18-INCH
- (O) REMOVABLE TAPE STOP LINE 18-INCH

TRAFFIC CONTROL LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- DIRECTION OF TRAFFIC
- MB PORTABLE CHANGEABLE MESSAGE BOARD

PROJECT NO: 4160-05-71 / 4160-05-73	HWY: CTH CE	COUNTY: OUTAGAMIE	TRAFFIC CONTROL - STAGE 3	SHEET 93	E

2

N

ROAD WORK AHEAD
W20-1

LANE CLOSED
R11-2(MOD)
48" X 30"

STH 441 SB

UTILIZE TRAFFIC CONTROL PLACED IN STAGE 1

END ROAD WORK
G20-2A
48" X 24"

F

1195'WB'

1200'WB'

1205'WB'

CTH CE (COLLEGE AVENUE)

200'EB'

205'EB'

MATCH LINE

MATCH LINE

LANE CLOSED
R11-2(MOD)
48" X 30"

LANE CLOSED
R11-2(MOD)
48" X 30"

ONLY ONLY
R3-8D
36"X30"

RIGHT LANE MUST TURN RIGHT
R3-7R
30"X30"

STH 441 NB

ROAD WORK AHEAD
W20-1

TEMPORARY PAVEMENT MARKING LEGEND

- (A) 4-INCH LANE LINE WHITE (12.5' LINE, 37.5' GAP)
- (B) 4-INCH EDGE LINE WHITE
- (C) 4-INCH EDGE LINE YELLOW
- (D) 8-INCH WHITE (3' LINE, 9' GAP)
- (E) REMOVABLE TAPE 4-INCH LANE LINE WHITE (12.5' LINE, 37.5' GAP)
- (F) REMOVABLE TAPE 4-INCH EDGE LINE WHITE
- (G) REMOVABLE TAPE 4-INCH EDGE LINE YELLOW
- (H) REMOVABLE TAPE 8-INCH WHITE
- (I) REMOVABLE TAPE 4-INCH WHITE (3' LINE, 9' GAP)
- (J) 4-INCH LANE LINE WHITE
- (K) REMOVABLE TAPE 4-INCH LANE LINE WHITE
- (L) REMOVABLE TAPE ARROWS
- (M) ARROWS
- (N) STOP LINE 18-INCH
- (O) REMOVABLE TAPE STOP LINE 18-INCH

TRAFFIC CONTROL LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- DIRECTION OF TRAFFIC
- MB PORTABLE CHANGEABLE MESSAGE BOARD

PROJECT NO: 4160-05-71 / 4160-05-73	HWY: CTH CE	COUNTY: OUTAGAMIE	TRAFFIC CONTROL - STAGE 3	SHEET 94	E

2

TEMPORARY PAVEMENT MARKING LEGEND

- (A) 4-INCH LANE LINE WHITE (12.5' LINE, 37.5' GAP)
- (B) 4-INCH EDGE LINE WHITE
- (C) 4-INCH EDGE LINE YELLOW
- (D) 8-INCH WHITE (3' LINE, 9' GAP)
- (E) REMOVABLE TAPE 4-INCH LANE LINE WHITE (12.5' LINE, 37.5' GAP)
- (F) REMOVABLE TAPE 4-INCH EDGE LINE WHITE
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- (I) REMOVABLE TAPE 4-INCH WHITE (3' LINE, 9' GAP)
- (J) 4-INCH LANE LINE WHITE
- (K) REMOVABLE TAPE 4-INCH LANE LINE WHITE
- (L) REMOVABLE TAPE ARROWS
- (M) ARROWS
- (N) STOP LINE 18-INCH
- (O) REMOVABLE TAPE STOP LINE 18-INCH

TRAFFIC CONTROL LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- DIRECTION OF TRAFFIC
- MB PORTABLE CHANGEABLE MESSAGE BOARD

SEE SDD: BARRICADES AND SIGNS FOR MAINLINE CLOSURES - DETAIL C FOR ADVANCE SIGNING

END ROAD WORK
G20-2A
48" X 24"

ROAD WORK AHEAD
W20-1

ROAD CLOSED
R11-2
48" X 30"

313'-50"

TRUMAN STREET

N

EISENHOWER DRIVE

DRUMS SET BACK FOR TRUCK TURN PATH

TEMPORARY ASPHALT SURFACE, 5-INCH (PLACED IN STAGES 2A OR 2B)

W01-6
48" X 24"

W01-3R

25 M.P.H.
W13-1
18" X 18"

MATCH LINE

1210'WB'

1215'WB'

1220'WB'

CTH CE (COLLEGE AVENUE)

G DOUBLE

210'EB'

215'EB'

RIGHT LANE MUST TURN RIGHT
R3-7R
30"X30"

UNCOVER EXISTING STOP SIGN

ONE WAY
R6-2R
24"X30"

LANE CLOSED
R11-2(MOD)
48" X 30"

ROAD WORK AHEAD
W20-1

R3-2
24"X24"

EISENHOWER DRIVE

YIELD
R1-2
36" X 31"

NO TURNS
R3-3
24"X24"

ONLY ONLY
R3-8F
36"X30"

MATCH LINE

PROJECT NO: 4160-05-71 / 4160-05-73	HWY: CTH CE	COUNTY: OUTAGAMIE	TRAFFIC CONTROL - STAGE 3	SHEET 95	E

FILE NAME : F:\TR\JOBS\E1887A09\CIVIL 3D 2012\SHEETSPLAN\416005_026003_TC-S3.DWG
416005_026043_tc-s3

PLOT DATE : 1/7/2015 3:57 PM

PLOT BY : OMNNI ASSOCIATES, INC - CRAIG KNUTH

WISDOT/CADDS SHEET 42

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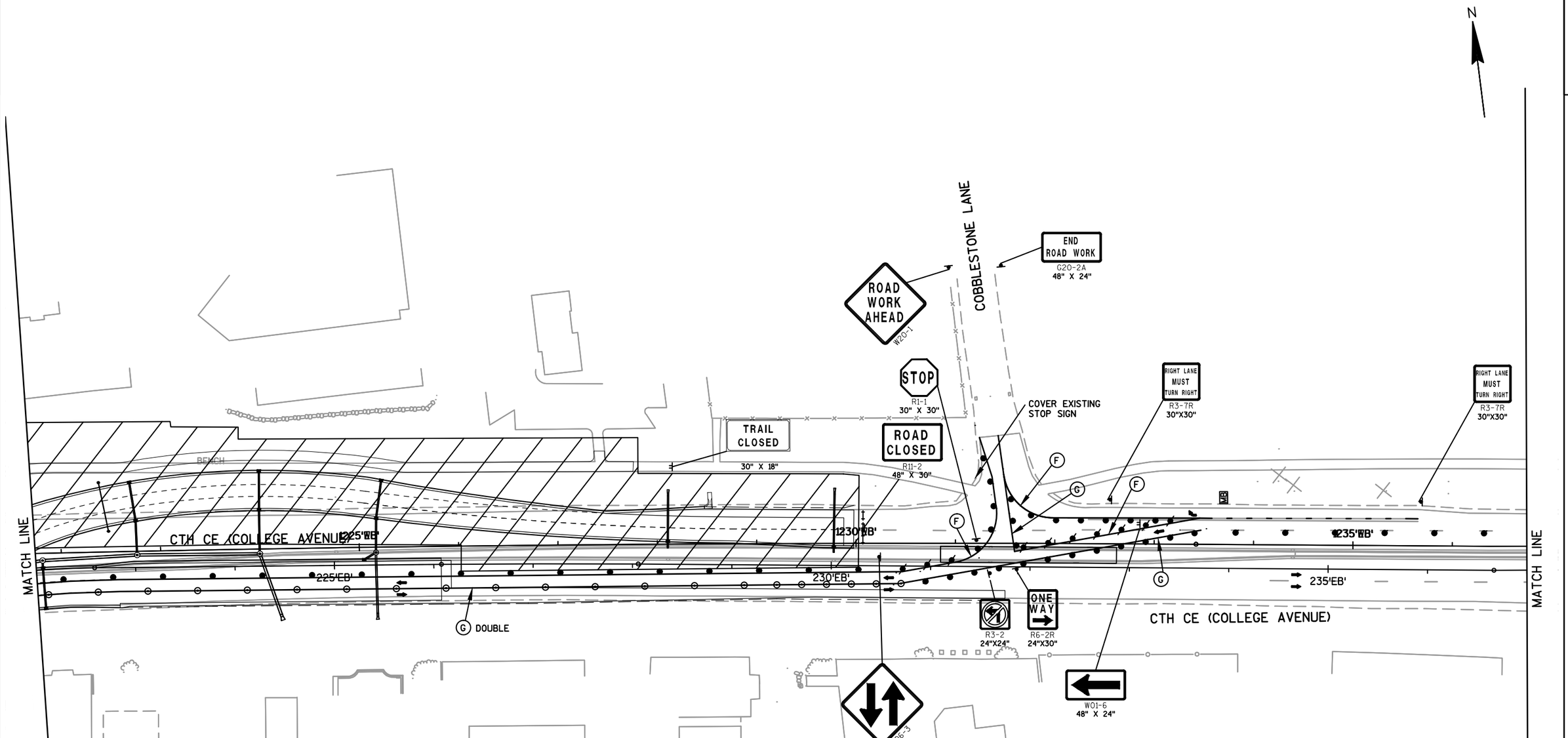

TEMPORARY PAVEMENT MARKING LEGEND

- (A) 4-INCH LANE LINE WHITE (12.5' LINE, 37.5' GAP)
- (B) 4-INCH EDGE LINE WHITE
- (C) 4-INCH EDGE LINE YELLOW
- (D) 8-INCH WHITE (3' LINE, 9' GAP)
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- (K) REMOVABLE TAPE 4-INCH LANE LINE WHITE
- (L) REMOVABLE TAPE ARROWS
- (M) ARROWS
- (N) STOP LINE 18-INCH
- (O) REMOVABLE TAPE STOP LINE 18-INCH

TRAFFIC CONTROL LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- DIRECTION OF TRAFFIC
- MB PORTABLE CHANGEABLE MESSAGE BOARD

PROJECT NO: 4160-05-71 / 4160-05-73	HWY: CTH CE	COUNTY: OUTAGAMIE	TRAFFIC CONTROL - STAGE 3	SHEET 96	E

2

N

END ROAD WORK
G20-2A
48" X 24"

ROAD WORK AHEAD
W20-1

RAILROAD STREET

W1-3L
36" X 36"

25 M.P.H.
W13-1
18" X 18"

TRAIL CLOSED AT EISENHOWER
54" X 18"

NO ACCESS AT EISENHOWER
54" X 18"

ALTERNATE BUSINESS ACCESS
42" X 42"

ALTERNATE BUSINESS ACCESS
42" X 42"

SEE SDD 15D20: TRAFFIC CONTROL, SINGLE LANE CLOSURE, NON-FREEWAY/EXPRESSWAY FOR LANE CLOSURE AND ADVANCE SIGNING DETAILS

MATCH LINE

1240'WB'

1245'WB'

1250'WB'

239'EB'

CTH CE (COLLEGE AVENUE)

LANE CLOSED
R11-2(MOD)
48" X 30"

END ROAD WORK
G20-2A
48" X 24"

BEGIN LEFT TURN LANE
R3-20L
24"X36"

RAILROAD STREET

END ROAD WORK
G20-2A
48" X 24"

ROAD WORK AHEAD
W20-1

TEMPORARY PAVEMENT MARKING LEGEND

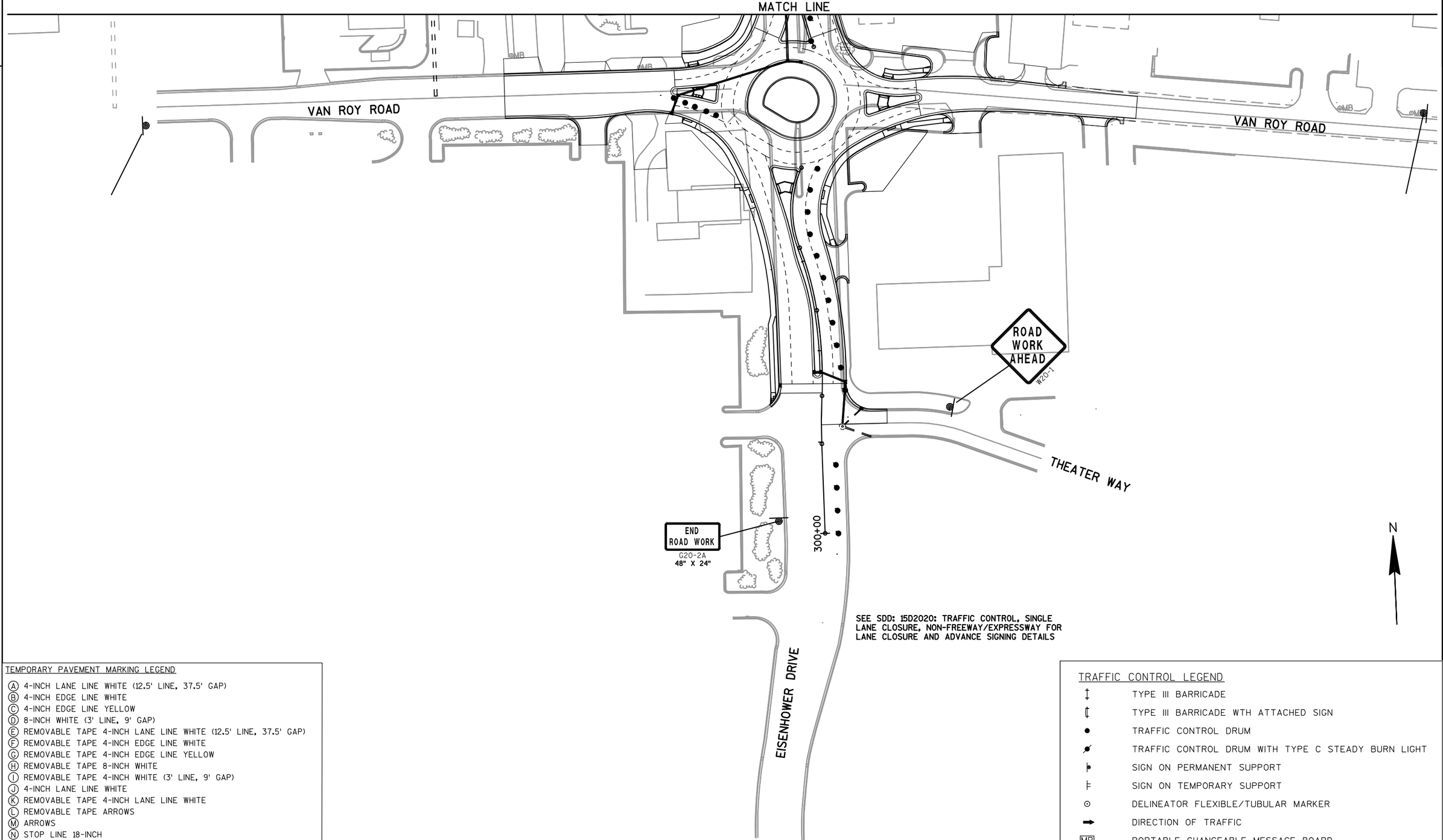
- (A) 4-INCH LANE LINE WHITE (12.5' LINE, 37.5' GAP)
- (B) 4-INCH EDGE LINE WHITE
- (C) 4-INCH EDGE LINE YELLOW
- (D) 8-INCH WHITE (3' LINE, 9' GAP)
- (E) REMOVABLE TAPE 4-INCH LANE LINE WHITE (12.5' LINE, 37.5' GAP)
- (F) REMOVABLE TAPE 4-INCH EDGE LINE WHITE
- (G) REMOVABLE TAPE 4-INCH EDGE LINE YELLOW
- (H) REMOVABLE TAPE 8-INCH WHITE
- (I) REMOVABLE TAPE 4-INCH WHITE (3' LINE, 9' GAP)
- (J) 4-INCH LANE LINE WHITE
- (K) REMOVABLE TAPE 4-INCH LANE LINE WHITE
- (L) REMOVABLE TAPE ARROWS
- (M) ARROWS
- (N) STOP LINE 18-INCH
- (O) REMOVABLE TAPE STOP LINE 18-INCH

TRAFFIC CONTROL LEGEND

- ‡ TYPE III BARRICADE
- ‡ TYPE III BARRICADE WTH ATTACHED SIGN
- ● TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- ⊦ SIGN ON TEMPORARY SUPPORT
- ⊙ DELINEATOR FLEXIBLE/TUBULAR MARKER
- ➡ DIRECTION OF TRAFFIC
- MB PORTABLE CHANGEABLE MESSAGE BOARD

PROJECT NO: 4160-05-71 / 4160-05-73	HWY: CTH CE	COUNTY: OUTAGAMIE	TRAFFIC CONTROL - STAGE 3	SHEET 97	E

2



TEMPORARY PAVEMENT MARKING LEGEND

- (A) 4-INCH LANE LINE WHITE (12.5' LINE, 37.5' GAP)
- (B) 4-INCH EDGE LINE WHITE
- (C) 4-INCH EDGE LINE YELLOW
- (D) 8-INCH WHITE (3' LINE, 9' GAP)
- (E) REMOVABLE TAPE 4-INCH LANE LINE WHITE (12.5' LINE, 37.5' GAP)
- (F) REMOVABLE TAPE 4-INCH EDGE LINE WHITE
- (G) REMOVABLE TAPE 4-INCH EDGE LINE YELLOW
- (H) REMOVABLE TAPE 8-INCH WHITE
- (I) REMOVABLE TAPE 4-INCH WHITE (3' LINE, 9' GAP)
- (J) 4-INCH LANE LINE WHITE
- (K) REMOVABLE TAPE 4-INCH LANE LINE WHITE
- (L) REMOVABLE TAPE ARROWS
- (M) ARROWS
- (N) STOP LINE 18-INCH
- (O) REMOVABLE TAPE STOP LINE 18-INCH

TRAFFIC CONTROL LEGEND

‡	TYPE III BARRICADE
‡	TYPE III BARRICADE WTH ATTACHED SIGN
●	TRAFFIC CONTROL DRUM
●	TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
⊧	SIGN ON PERMANENT SUPPORT
⊧	SIGN ON TEMPORARY SUPPORT
⊙	DELINEATOR FLEXIBLE/TUBULAR MARKER
➡	DIRECTION OF TRAFFIC
MB	PORTABLE CHANGEABLE MESSAGE BOARD

PROJECT NO: 4160-05-71 / 4160-05-73	HWY: CTH CE	COUNTY: OUTAGAMIE	TRAFFIC CONTROL - STAGE 3	SHEET 98	E

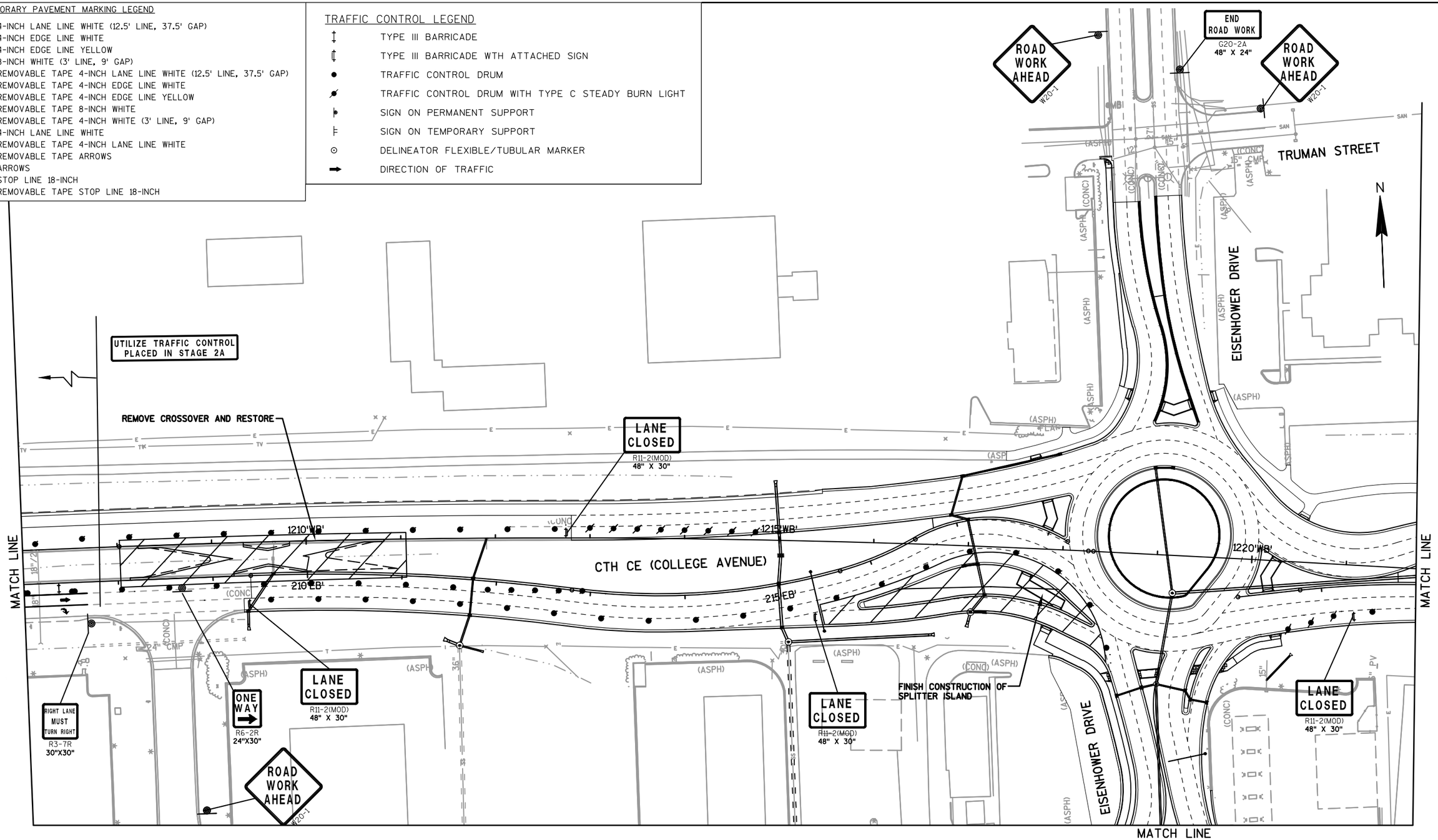
2

TEMPORARY PAVEMENT MARKING LEGEND

- (A) 4-INCH LANE LINE WHITE (12.5' LINE, 37.5' GAP)
- (B) 4-INCH EDGE LINE WHITE
- (C) 4-INCH EDGE LINE YELLOW
- (D) 8-INCH WHITE (3' LINE, 9' GAP)
- (E) REMOVABLE TAPE 4-INCH LANE LINE WHITE (12.5' LINE, 37.5' GAP)
- (F) REMOVABLE TAPE 4-INCH EDGE LINE WHITE
- (G) REMOVABLE TAPE 4-INCH EDGE LINE YELLOW
- (H) REMOVABLE TAPE 8-INCH WHITE
- (I) REMOVABLE TAPE 4-INCH WHITE (3' LINE, 9' GAP)
- (J) 4-INCH LANE LINE WHITE
- (K) REMOVABLE TAPE 4-INCH LANE LINE WHITE
- (L) REMOVABLE TAPE ARROWS
- (M) ARROWS
- (N) STOP LINE 18-INCH
- (O) REMOVABLE TAPE STOP LINE 18-INCH

TRAFFIC CONTROL LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- DIRECTION OF TRAFFIC



PROJECT NO: 4160-05-71 / 4160-05-73	HWY: CTH CE	COUNTY: OUTAGAMIE	TRAFFIC CONTROL - STAGE 4	SHEET 99	E

2

N

ROAD WORK AHEAD
W20-1

COBBLESTONE LANE

UNCOVER EXISTING STOP SIGN

ONE WAY
R6-2R
24"X30"

RIGHT LANE MUST TURN RIGHT
R3-7R
30"X30"

LANE CLOSED
R11-2(MOD)
48" X 30"

RIGHT LANE MUST TURN RIGHT
R3-7R
30"X30"

MATCH LINE

CTH CE (COLLEGE AVENUE)

225'WB'

225'EB'

230'WB'

230'EB'

235'WB'

235'EB'

LANE CLOSED
R11-2(MOD)
48" X 30"

REMOVE CROSSOVER AND RESTORE

MATCH LINE

CTH CE (COLLEGE AVENUE)

TEMPORARY PAVEMENT MARKING LEGEND

- (A) 4-INCH LANE LINE WHITE (12.5' LINE, 37.5' GAP)
- (B) 4-INCH EDGE LINE WHITE
- (C) 4-INCH EDGE LINE YELLOW
- (D) 8-INCH WHITE (3' LINE, 9' GAP)
- (E) REMOVABLE TAPE 4-INCH LANE LINE WHITE (12.5' LINE, 37.5' GAP)
- (F) REMOVABLE TAPE 4-INCH EDGE LINE WHITE
- (G) REMOVABLE TAPE 4-INCH EDGE LINE YELLOW
- (H) REMOVABLE TAPE 8-INCH WHITE
- (I) REMOVABLE TAPE 4-INCH WHITE (3' LINE, 9' GAP)
- (J) 4-INCH LANE LINE WHITE
- (K) REMOVABLE TAPE 4-INCH LANE LINE WHITE
- (L) REMOVABLE TAPE ARROWS
- (M) ARROWS
- (N) STOP LINE 18-INCH
- (O) REMOVABLE TAPE STOP LINE 18-INCH

TRAFFIC CONTROL LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- DIRECTION OF TRAFFIC

PROJECT NO: 4160-05-71 / 4160-05-73	HWY: CTH CE	COUNTY: OUTAGAMIE	TRAFFIC CONTROL - STAGE 4	SHEET 100	E

2

N

ROAD WORK AHEAD
W20-1

RAILROAD STREET

SEE SDD 15D20: TRAFFIC CONTROL, SINGLE LANE CLOSURE, NON-FREEWAY/EXPRESSWAY FOR LANE CLOSURE AND ADVANCE SIGNING DETAILS

1240'WB'

1245'WB'

1250'WB'

MATCH LINE

239'EB'

CTH CE (COLLEGE AVENUE)

LANE CLOSED
R11-2(MOD)
48" X 30"

36" SS

END ROAD WORK
G20-2A
48" X 24"

BEGIN LEFT TURN LANE
R3-20L
24"X36"

RAILROAD STREET

ROAD WORK AHEAD
W20-1

TEMPORARY PAVEMENT MARKING LEGEND

- (A) 4-INCH LANE LINE WHITE (12.5' LINE, 37.5' GAP)
- (B) 4-INCH EDGE LINE WHITE
- (C) 4-INCH EDGE LINE YELLOW
- (D) 8-INCH WHITE (3' LINE, 9' GAP)
- (E) REMOVABLE TAPE 4-INCH LANE LINE WHITE (12.5' LINE, 37.5' GAP)
- (F) REMOVABLE TAPE 4-INCH EDGE LINE WHITE
- (G) REMOVABLE TAPE 4-INCH EDGE LINE YELLOW
- (H) REMOVABLE TAPE 8-INCH WHITE
- (I) REMOVABLE TAPE 4-INCH WHITE (3' LINE, 9' GAP)
- (J) 4-INCH LANE LINE WHITE
- (K) REMOVABLE TAPE 4-INCH LANE LINE WHITE
- (L) REMOVABLE TAPE ARROWS
- (M) ARROWS
- (N) STOP LINE 18-INCH
- (O) REMOVABLE TAPE STOP LINE 18-INCH

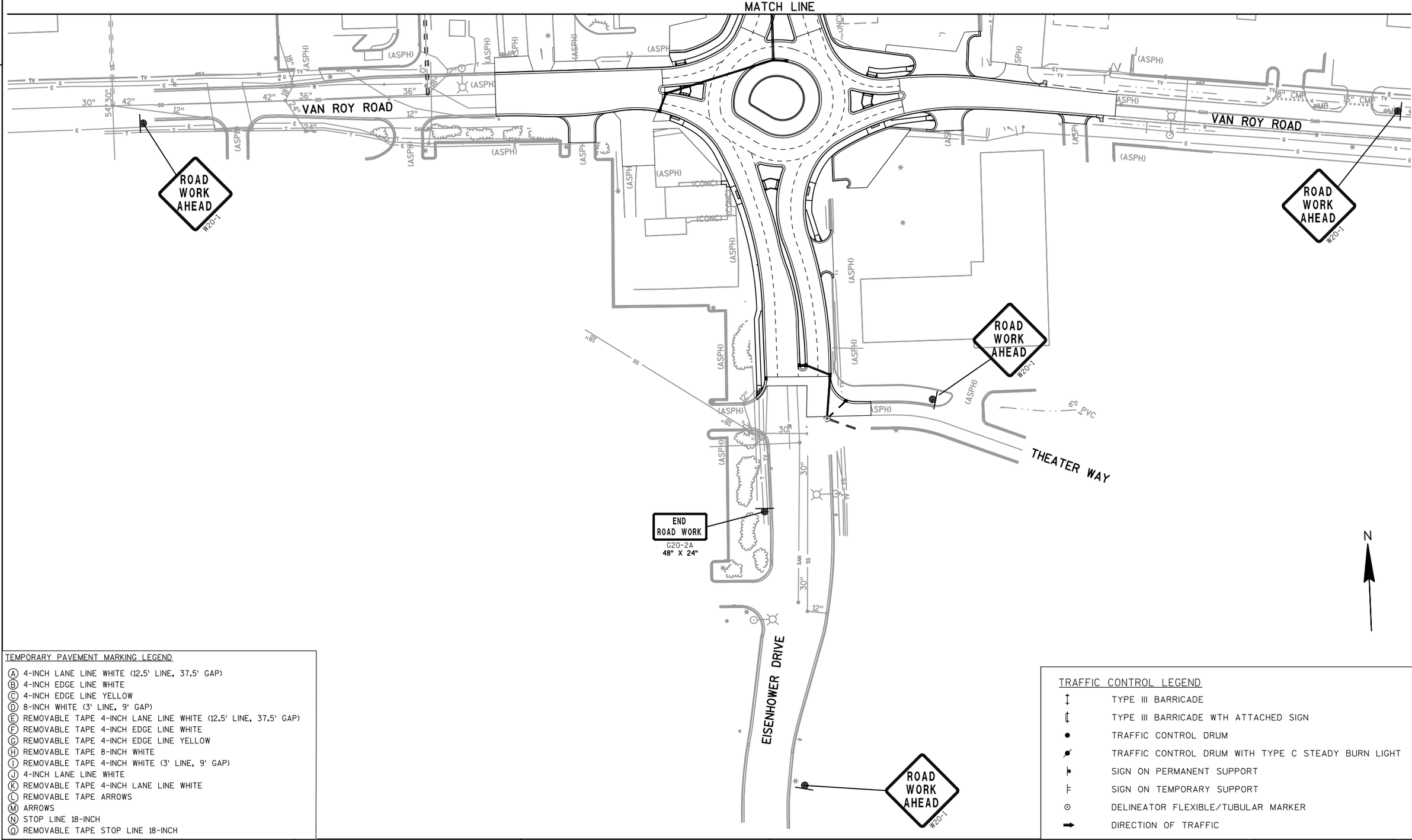
TRAFFIC CONTROL LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- DIRECTION OF TRAFFIC

PROJECT NO: 4160-05-71 / 4160-05-73	HWY: CTH CE	COUNTY: OUTAGAMIE	TRAFFIC CONTROL - STAGE 4	SHEET 101	E

2

MATCH LINE



TEMPORARY PAVEMENT MARKING LEGEND

- Ⓐ 4-INCH LANE LINE WHITE (12.5' LINE, 37.5' GAP)
- Ⓑ 4-INCH EDGE LINE WHITE
- Ⓒ 4-INCH EDGE LINE YELLOW
- Ⓓ 8-INCH WHITE (3' LINE, 9' GAP)
- Ⓔ REMOVABLE TAPE 4-INCH LANE LINE WHITE (12.5' LINE, 37.5' GAP)
- Ⓕ REMOVABLE TAPE 4-INCH EDGE LINE WHITE
- Ⓖ REMOVABLE TAPE 4-INCH EDGE LINE YELLOW
- Ⓗ REMOVABLE TAPE 8-INCH WHITE
- Ⓘ REMOVABLE TAPE 4-INCH WHITE (3' LINE, 9' GAP)
- Ⓙ 4-INCH LANE LINE WHITE
- Ⓚ REMOVABLE TAPE 4-INCH LANE LINE WHITE
- Ⓛ REMOVABLE TAPE ARROWS
- Ⓜ ARROWS
- Ⓝ STOP LINE 18-INCH
- Ⓞ REMOVABLE TAPE STOP LINE 18-INCH

TRAFFIC CONTROL LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- DIRECTION OF TRAFFIC

PROJECT NO: 4160-05-71 / 4160-05-73	HWY: CTH CE	COUNTY: OUTAGAMIE	TRAFFIC CONTROL - STAGE 4	SHEET 102	E

PI 'WB' STA = 201+92.25
Y = 561027.368
X = 841381.345

PI 'WB' STA = 210+43.45
Y = 561024.495
X = 842232.545
DELTA = 002°25'25.3"
D = 000°30'41.7"
T = 236.92'
L = 473.78'
R = 11200.00'
PC 'WB' STA = 208+06.53
Y = 561025.295
X = 841995.622
PT 'WB' STA = 212+80.31
Y = 561013.677
X = 842469.221
BK = S89° 48' 23.7"E
AH = S87° 22' 58.4"E

PI 'WB' STA = 215+01.04
Y = 561003.598
X = 842689.727
DELTA = 008°18'41.1"
D = 001°53'09.5"
T = 220.74'
L = 440.70'
R = 3038.00'
PC 'WB' STA = 212+80.31
Y = 561013.677
X = 842469.221
PT 'WB' STA = 217+21.00
Y = 561025.499
X = 842909.373
BK = S87° 22' 58.4"E
AH = N84° 18' 20.6"E

PI 'WB' STA = 217+44.51
Y = 561027.831
X = 842932.758
DELTA = 003°22'25.3"
D = 007°10'47.7"
T = 23.50'
L = 46.99'
R = 798.00'
PC 'WB' STA = 217+21.00
Y = 561025.499
X = 842909.373
PT 'WB' STA = 217+67.99
Y = 561031.535
X = 842955.965
BK = N84° 18' 20.6"E
AH = N80° 55' 55.3"E

PI 'WB' STA = 218+18.86
Y = 561039.551
X = 843006.195

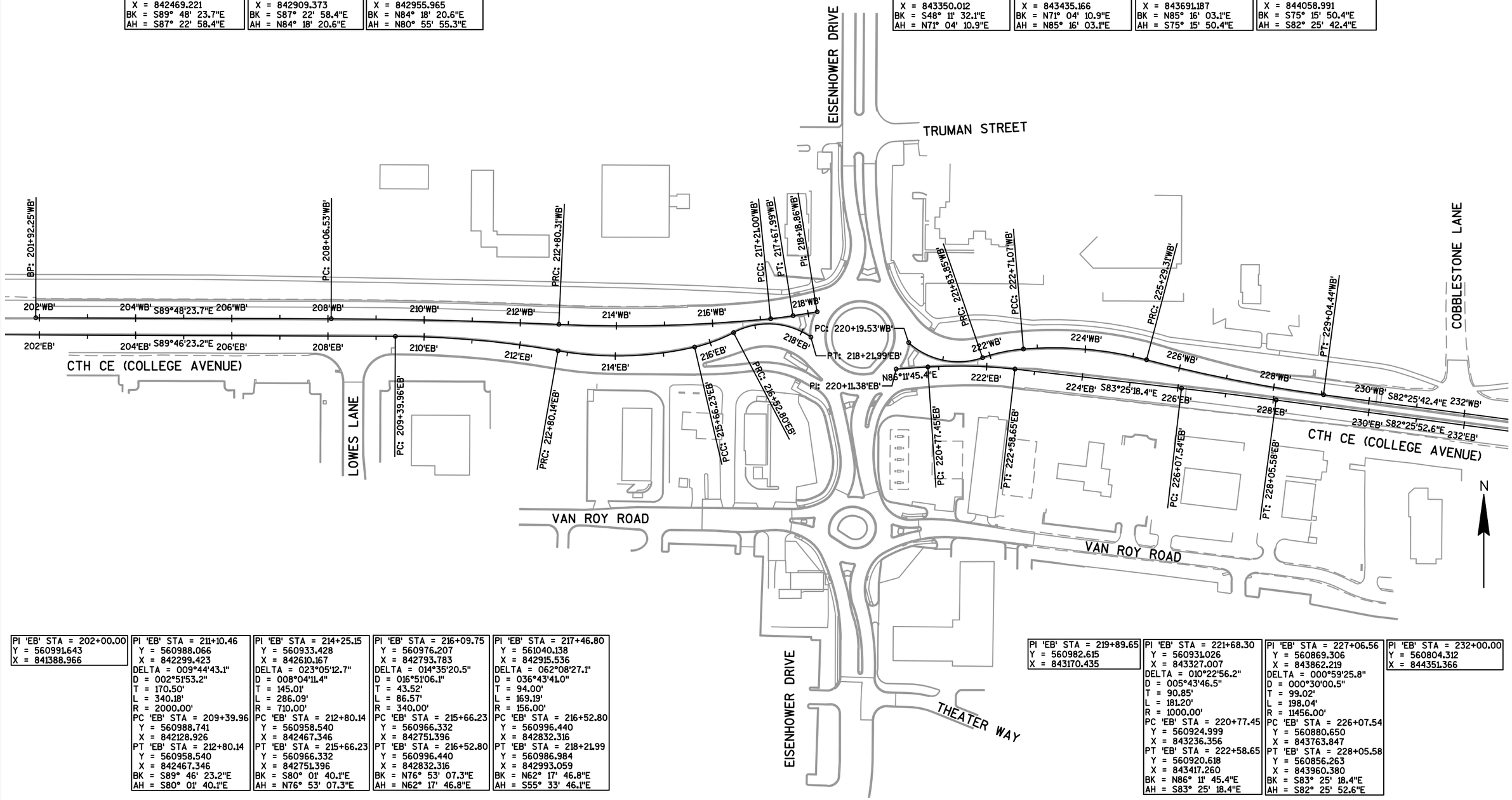
PI 'WB' STA = 221+10.36
Y = 560915.031
X = 843264.099
DELTA = 060°44'17.1"
D = 036°57'54.1"
T = 90.83'
L = 164.31'
R = 155.00'
PC 'WB' STA = 220+19.53
Y = 560975.579
X = 843196.399
PT 'WB' STA = 221+83.85
Y = 560944.497
X = 843350.012
BK = S48° 11' 32.1"E
AH = N71° 04' 10.9"E

PI 'WB' STA = 222+27.68
Y = 560958.718
X = 843391.479
DELTA = 014°11'52.2"
D = 016°16'38.0"
T = 43.84'
L = 87.23'
R = 352.00'
PC 'WB' STA = 221+83.85
Y = 560944.497
X = 843350.012
PT 'WB' STA = 222+71.07
Y = 560962.335
X = 843435.166
BK = N71° 04' 10.9"E
AH = N85° 16' 03.1"E

PI 'WB' STA = 224+01.45
Y = 560973.091
X = 843565.098
DELTA = 019°28'06.5"
D = 007°32'20.1"
T = 130.38'
L = 258.24'
R = 760.00'
PC 'WB' STA = 222+71.07
Y = 560962.335
X = 843435.166
PT 'WB' STA = 225+29.31
Y = 560939.928
X = 843691.187
BK = N85° 16' 03.1"E
AH = S75° 15' 50.4"E

PI 'WB' STA = 227+17.12
Y = 560892.156
X = 843872.819
DELTA = 007°09'52.0"
D = 001°54'35.5"
T = 187.81'
L = 375.13'
R = 3000.00'
PC 'WB' STA = 225+29.31
Y = 560939.928
X = 843691.187
PT 'WB' STA = 229+04.44
Y = 560867.409
X = 844058.991
BK = S75° 15' 50.4"E
AH = S82° 25' 42.4"E

PI 'WB' STA = 232+00.00
Y = 560828.465
X = 844351.974



PI 'EB' STA = 202+00.00
Y = 560991.643
X = 841388.966

PI 'EB' STA = 211+10.46
Y = 560988.066
X = 842299.423
DELTA = 009°44'43.1"
D = 002°51'53.2"
T = 170.50'
L = 340.18'
R = 2000.00'
PC 'EB' STA = 209+39.96
Y = 560988.741
X = 842128.926
PT 'EB' STA = 212+80.14
Y = 560958.540
X = 842467.346
BK = S89° 46' 23.2"E
AH = S80° 01' 40.1"E

PI 'EB' STA = 214+25.15
Y = 560933.428
X = 842610.167
DELTA = 023°05'12.7"
D = 008°04'11.4"
T = 145.01'
L = 286.09'
R = 710.00'
PC 'EB' STA = 212+80.14
Y = 560958.540
X = 842467.346
PT 'EB' STA = 215+66.23
Y = 560966.332
X = 842751.396
BK = S80° 01' 40.1"E
AH = N76° 53' 07.3"E

PI 'EB' STA = 216+09.75
Y = 560976.207
X = 842793.783
DELTA = 014°35'20.5"
D = 016°51'06.1"
T = 43.52'
L = 86.57'
R = 340.00'
PC 'EB' STA = 215+66.23
Y = 560966.332
X = 842751.396
PT 'EB' STA = 216+52.80
Y = 560996.440
X = 842832.316
BK = N76° 53' 07.3"E
AH = N62° 17' 46.8"E

PI 'EB' STA = 217+46.80
Y = 561040.138
X = 842915.536
DELTA = 062°08'27.1"
D = 036°43'41.0"
T = 94.00'
L = 169.19'
R = 156.00'
PC 'EB' STA = 216+52.80
Y = 560996.440
X = 842832.316
PT 'EB' STA = 218+21.99
Y = 560986.984
X = 842993.059
BK = N62° 17' 46.8"E
AH = S55° 33' 46.1"E

PI 'EB' STA = 219+89.65
Y = 560982.615
X = 843170.435

PI 'EB' STA = 221+68.30
Y = 560931.026
X = 843327.007
DELTA = 010°22'56.2"
D = 005°43'46.5"
T = 90.85'
L = 181.20'
R = 1000.00'
PC 'EB' STA = 220+77.45
Y = 560924.999
X = 843236.356
PT 'EB' STA = 222+58.65
Y = 560920.618
X = 843417.260
BK = N86° 11' 45.4"E
AH = S83° 25' 18.4"E

PI 'EB' STA = 227+06.56
Y = 560869.306
X = 843862.219
DELTA = 000°59'25.8"
D = 000°30'00.5"
T = 99.02'
L = 198.04'
R = 11456.00'
PC 'EB' STA = 226+07.54
Y = 560880.650
X = 843763.847
PT 'EB' STA = 228+05.58
Y = 560856.263
X = 843960.380
BK = S83° 25' 18.4"E
AH = S82° 25' 52.6"E

PI 'EB' STA = 232+00.00
Y = 560804.312
X = 844351.366

PI 'SB' STA = 310+58.74
Y = 561154.261
X = 843115.442
DELTA = 045°46'01.0"
D = 041°49'18.3"
T = 57.82'
L = 109.43'
R = 137.00'
PC 'SB' STA = 310+00.91
Y = 561104.531
X = 843085.935
PT 'SB' STA = 311+10.34
Y = 561210.093
X = 843100.394
BK = N30° 40' 57.5"E
AH = N15° 05' 03.5"W

PI 'SB' STA = 311+77.92
Y = 561275.341
X = 843082.808
DELTA = 015°20'00.5"
D = 011°24'48.6"
T = 67.58'
L = 134.34'
R = 502.00'
PC 'SB' STA = 311+10.34
Y = 561210.093
X = 843100.394
PT 'SB' STA = 312+44.69
Y = 561342.916
X = 843083.102
BK = N15° 05' 03.5"W
AH = N00° 14' 57.0"E

PI 'SB' STA = 313+50.00
Y = 561448.223
X = 843083.559

PI 'SB' STA = 305+83.03
Y = 560688.916
X = 843088.064
DELTA = 040°14'07.6"
D = 048°58'14.7"
T = 42.86'
L = 82.16'
R = 117.00'
PC 'SB' STA = 305+40.17
Y = 560652.315
X = 843065.769
PT 'SB' STA = 306+22.33
Y = 560731.258
X = 843081.442
BK = N31° 20' 50.5"E
AH = N08° 53' 17.1"W

PI 'SB' STA = 306+81.45
Y = 560789.664
X = 843072.309
DELTA = 004°31'11.1"
D = 003°49'29.3"
T = 59.12'
L = 118.17'
R = 1498.00'
PC 'SB' STA = 306+22.33
Y = 560731.258
X = 843081.442
PT 'SB' STA = 307+40.50
Y = 560847.167
X = 843058.601
BK = N08° 53' 17.1"W
AH = N13° 24' 28.2"W

PI 'SB' STA = 307+70.56
Y = 560876.613
X = 843052.560

PI 'NB' STA = 311+03.64
Y = 561199.197
X = 843111.334
DELTA = 011°20'13.5"
D = 009°34'52.4"
T = 59.36'
L = 118.33'
R = 598.00'
PC 'NB' STA = 310+44.28
Y = 561142.147
X = 843127.722
PT 'NB' STA = 311+62.61
Y = 561258.355
X = 843106.481
BK = N16° 01' 37.4"W
AH = N04° 41' 23.9"W

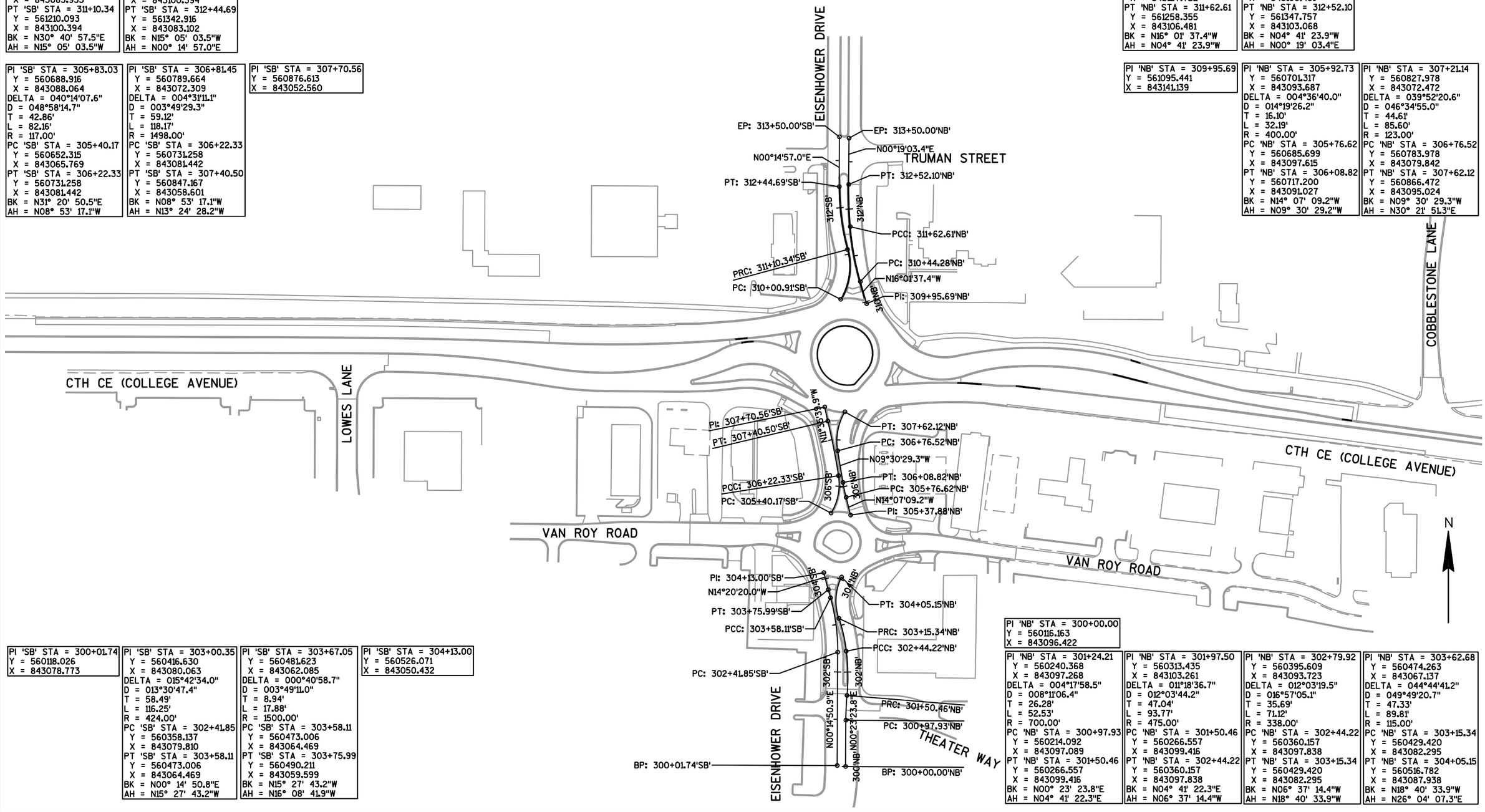
PI 'NB' STA = 312+07.38
Y = 561302.981
X = 843102.820
DELTA = 005°00'27.3"
D = 005°35'43.0"
T = 44.78'
L = 89.50'
R = 1024.00'
PC 'NB' STA = 311+62.61
Y = 561258.355
X = 843106.481
PT 'NB' STA = 312+52.10
Y = 561347.757
X = 843103.068
BK = N04° 41' 23.9"W
AH = N00° 19' 03.4"E

PI 'NB' STA = 313+50.00
Y = 561445.656
X = 843103.611

PI 'NB' STA = 309+95.69
Y = 561095.441
X = 843141.139

PI 'NB' STA = 305+92.73
Y = 560701.317
X = 843093.687
DELTA = 004°36'40.0"
D = 014°19'26.2"
T = 16.10'
L = 32.19'
R = 400.00'
PC 'NB' STA = 305+76.62
Y = 560685.699
X = 843097.615
PT 'NB' STA = 306+08.82
Y = 560717.200
X = 843091.027
BK = N14° 07' 09.2"W
AH = N09° 30' 29.2"W

PI 'NB' STA = 307+21.14
Y = 560827.978
X = 843072.472
DELTA = 039°52'20.6"
D = 046°34'55.0"
T = 44.61'
L = 85.60'
R = 123.00'
PC 'NB' STA = 306+76.52
Y = 560783.978
X = 843079.842
PT 'NB' STA = 307+62.12
Y = 560866.472
X = 843095.024
BK = N09° 30' 29.3"W
AH = N30° 21' 51.3"E



PI 'SB' STA = 300+01.74
Y = 560118.026
X = 843078.773

PI 'SB' STA = 303+00.35
Y = 560416.630
X = 843080.063
DELTA = 015°42'34.0"
D = 013°30'47.4"
T = 58.49'
L = 116.25'
R = 424.00'
PC 'SB' STA = 302+41.85
Y = 560358.137
X = 843079.810
PT 'SB' STA = 303+58.11
Y = 560473.006
X = 843064.469
BK = N00° 14' 50.8"E
AH = N15° 27' 43.2"W

PI 'SB' STA = 303+67.05
Y = 560481.623
X = 843062.085
DELTA = 000°40'58.7"
D = 003°49'11.0"
T = 8.94'
L = 17.88'
R = 1500.00'
PC 'SB' STA = 303+58.11
Y = 560473.006
X = 843064.469
PT 'SB' STA = 303+75.99
Y = 560490.211
X = 843059.599
BK = N15° 27' 43.2"W
AH = N16° 08' 41.9"W

PI 'SB' STA = 304+13.00
Y = 560526.071
X = 843050.432

PI 'NB' STA = 300+00.00
Y = 560116.163
X = 843096.422

PI 'NB' STA = 301+24.21
Y = 560240.368
X = 843097.268
DELTA = 004°17'58.5"
D = 008°11'06.4"
T = 26.28'
L = 52.53'
R = 700.00'
PC 'NB' STA = 300+97.93
Y = 560214.092
X = 843097.089
PT 'NB' STA = 301+50.46
Y = 560266.557
X = 843099.416
BK = N00° 23' 23.8"E
AH = N04° 41' 22.3"E

PI 'NB' STA = 301+97.50
Y = 560313.435
X = 843103.261
DELTA = 011°18'36.7"
D = 012°03'44.2"
T = 47.04'
L = 93.77'
R = 475.00'
PC 'NB' STA = 301+50.46
Y = 560266.557
X = 843099.416
PT 'NB' STA = 302+44.22
Y = 560360.157
X = 843097.838
BK = N04° 41' 22.3"E
AH = N06° 37' 14.4"W

PI 'NB' STA = 302+79.92
Y = 560395.609
X = 843093.723
DELTA = 012°03'19.5"
D = 016°57'05.1"
T = 35.69'
L = 71.12'
R = 338.00'
PC 'NB' STA = 302+44.22
Y = 560360.157
X = 843097.838
PT 'NB' STA = 303+15.34
Y = 560429.420
X = 843082.295
BK = N06° 37' 14.4"W
AH = N18° 40' 33.9"W

PI 'NB' STA = 303+62.68
Y = 560474.263
X = 843067.137
DELTA = 044°44'41.2"
D = 049°49'20.7"
T = 47.33'
L = 89.81'
R = 115.00'
PC 'NB' STA = 303+15.34
Y = 560429.420
X = 843082.295
PT 'NB' STA = 304+05.15
Y = 560516.782
X = 843087.938
BK = N18° 40' 33.9"W
AH = N26° 04' 07.3"E

PI 'RA2'
Y = 560668.655
X = 842906.960
DELTA = 202°36'20.0"
D = 078°29'14.5"
T = 365.24'
L = 258.14'
R = 73.00'
PC 'RA2' STA = 10+00.00
Y = 560941.362
X = 843149.919
PT 'RA2' STA = 12+58.14
Y = 561013.801
X = 843026.429
BK = N41° 41' 53.8"E
AH = S19° 05' 33.8"W

PI 'RA2' STA = 14+01.45
Y = 560878.373
X = 842979.552
DELTA = 121°57'45.3"
D = 072°04'12.6"
T = 143.31'
L = 169.23'
R = 79.50'
PC 'RA2' STA = 12+58.14
Y = 561013.801
X = 843026.429
PT 'RA2' STA = 14+27.37
Y = 560910.294
X = 843119.263
BK = S19° 05' 33.8"W
AH = N77° 07' 48.5"E

PI 'RA2' STA = 14+31.20
Y = 560911.147
X = 843123.000
DELTA = 035°25'54.7"
D = 477°27'53.4"
T = 3.83'
L = 7.42'
R = 12.00'
PC 'RA2' STA = 14+27.37
Y = 560910.294
X = 843119.263
PT 'RA2' STA = 14+34.79
Y = 560914.010
X = 843125.550
BK = N77° 07' 48.5"E
AH = N41° 41' 53.8"E

PI 'RA2' STA = 14+71.42
PC 'RA2' STA = 10+00.00
Y = 560941.362
X = 843149.919

PI 'RA1' STA = 20+00.00
PT 'RA1' STA 22+95.94
Y = 560571.886
X = 843035.023

PI 'RA1'
Y = 560737.955
X = 842782.617
DELTA = 194°48'17.7"
D = 131°42'52.0"
T = 334.82'
L = 147.90'
R = 43.50'
PC 'RA1' STA = 20+32.68
Y = 560553.923
X = 843062.324
PT 'RA1' STA = 21+80.58
Y = 560631.505
X = 843100.064
BK = S56° 39' 26.0"E
AH = N71° 27' 43.7"W

PI 'RA1' STA = 22+62.93
Y = 560657.687
X = 843021.988
DELTA = 114°14'35.8"
D = 114°35'29.6"
T = 77.35'
L = 99.70'
R = 50.00'
PC 'RA1' STA = 21+85.58
Y = 560633.094
X = 843095.327
PT 'RA1' STA = 22+85.27
Y = 560580.717
X = 843029.678
BK = N71° 27' 43.7"W
AH = S05° 42' 19.6"E

PI 'RA1' STA = 22+90.99
Y = 560575.028
X = 843030.246
DELTA = 050°57'06.5"
D = 477°27'53.4"
T = 5.72'
L = 10.67'
R = 12.00'
PC 'RA1' STA = 22+85.27
Y = 560580.717
X = 843029.678
PT 'RA1' STA = 22+95.94
Y = 560571.886
X = 843035.023
BK = S05° 42' 19.6"E
AH = S56° 39' 26.0"E

PI 'WB' STA = 407+89.27
Y = 560594.808
X = 843174.637
DELTA = 012°38'11.7"
D = 038°11'49.9"
T = 16.61'
L = 33.08'
R = 150.00'
PC 'WB' STA = 407+72.66
Y = 560600.467
X = 843159.022
PT 'WB' STA = 408+05.74
Y = 560592.703
X = 843191.112
BK = S70° 04' 48.5"E
AH = S82° 43' 00.3"E

PI 'WB' STA = 408+13.93
Y = 560591.664
X = 843199.237
DELTA = 011°50'23.7"
D = 072°31'34.7"
T = 8.19'
L = 16.32'
R = 79.00'
PC 'WB' STA = 408+05.74
Y = 560592.703
X = 843191.112
PT 'WB' STA = 408+22.07
Y = 560592.315
X = 843207.403
BK = S82° 43' 00.3"E
AH = N85° 26' 36.1"E

PI 'WB' STA = 408+69.51
Y = 560596.085
X = 843254.703
DELTA = 013°00'51.0"
D = 013°46'22.9"
T = 47.45'
L = 94.49'
R = 416.00'
PC 'WB' STA = 408+22.07
Y = 560592.315
X = 843207.403
PT 'WB' STA = 409+16.56
Y = 560589.106
X = 843301.636
BK = N85° 26' 36.1"E
AH = S81° 32' 32.9"E

PI 'WB' STA = 410+50.89
Y = 560569.349
X = 843434.508

PI 'WB' STA = 400+91.21
Y = 560612.472
X = 842478.218

PI 'WB' STA = 402+45.28
Y = 560614.692
X = 842632.274

PI 'WB' STA = 405+69.45
Y = 560610.812
X = 842956.419
DELTA = 003°47'30.1"
D = 019°05'54.9"
T = 9.93'
L = 19.85'
R = 300.00'
PC 'WB' STA = 405+59.52
Y = 560610.931
X = 842946.490
PT 'WB' STA = 405+79.37
Y = 560611.350
X = 842966.335
BK = S89° 18' 51.1"E
AH = N86° 53' 38.8"E

PI 'WB' STA = 406+17.48
Y = 560613.415
X = 843004.389

PI 'EB' STA = 400+00.00
Y = 560613.678
X = 842387.012

PI 'EB' STA = 400+91.21
Y = 560612.472
X = 842478.218

PI 'EB' STA = 402+45.26
Y = 560600.696
X = 842631.812

PI 'EB' STA = 404+02.47
Y = 560598.815
X = 842789.015
DELTA = 003°36'38.6"
D = 008°11'06.4"
T = 22.06'
L = 44.11'
R = 700.00'
PC 'EB' STA = 403+80.41
Y = 560599.079
X = 842766.953
PT 'EB' STA = 404+24.52
Y = 560597.162
X = 842811.017
BK = S89° 18' 51.1"E
AH = S85° 42' 12.5"E

PI 'EB' STA = 404+69.03
Y = 560593.828
X = 842855.395
DELTA = 012°41'48.4"
D = 014°19'26.2"
T = 44.50'
L = 88.64'
R = 400.00'
PC 'EB' STA = 404+24.52
Y = 560597.162
X = 842811.017
PT 'EB' STA = 405+13.16
Y = 560600.329
X = 842899.420
BK = S85° 42' 12.5"E
AH = N81° 35' 59.1"E

PI 'EB' STA = 405+65.18
Y = 560607.928
X = 842950.879
DELTA = 029°09'28.8"
D = 028°38'52.4"
T = 52.02'
L = 101.78'
R = 200.00'
PC 'EB' STA = 405+13.16
Y = 560600.329
X = 842899.420
PT 'EB' STA = 406+14.94
Y = 560589.492
X = 842999.521
BK = N81° 35' 59.1"E
AH = S69° 14' 32.1"E

PI 'EB' STA = 407+72.96
Y = 560566.855
X = 843155.907

PI 'EB' STA = 408+44.82
Y = 560587.032
X = 843224.875
DELTA = 017°46'27.4"
D = 022°55'05.9"
T = 39.09'
L = 77.55'
R = 250.00'
PC 'EB' STA = 408+05.73
Y = 560576.055
X = 843187.356
PT 'EB' STA = 408+83.28
Y = 560586.031
X = 843263.953
BK = N73° 41' 33.1"E
AH = S88° 31' 59.5"E

PI 'EB' STA = 409+27.55
Y = 560584.898
X = 843308.206
DELTA = 005°33'06.1"
D = 006°16'32.0"
T = 44.27'
L = 88.47'
R = 913.00'
PC 'EB' STA = 408+83.28
Y = 560586.031
X = 843263.953
PT 'EB' STA = 409+71.75
Y = 560579.489
X = 843352.142
BK = S88° 31' 59.5"E
AH = S82° 58' 53.4"E

PI 'EB' STA = 411+88.73
Y = 560552.976
X = 843567.502

EISENHOWER DRIVE
TRUMAN STREET
CTH CE (COLLEGE AVENUE)
LOWES LANE
COBBLESTONE LANE
VAN ROY ROAD
EISENHOWER DRIVE
THEATER WAY
CTH CE (COLLEGE AVENUE)
VAN ROY ROAD
N

12RA2'
14'RA2'
S41°41'53.8"E
10'RA2'
22'RA1'
BP: 400+91.21'WB'
PI: 402+45.26'WB'
PI: 406+17.48'WB'
PT: 405+79.37'WB'
PC: 405+59.52'WB'
PC: 407+72.66'WB'
PCC: 408+05.74'WB'
PRC: 408+22.07'WB'
PT: 409+16.56'WB'
EP: 410+50.89'WB'
S89°14'32.8"E
N89°10'28.0"E
S85°36'57.1"E
S89°18'51.1"E
N86°53'38.8"E
S81°32'32.9"E
S82°58'53.4"E
402'WB'
404'WB'
406'WB'
408'WB'
410'WB'
400'EB'
402'EB'
404'EB'
406'EB'
408'EB'
410'EB'
BP: 400+00.00'EB'
PI: 400+91.21'EB'
PI: 402+45.26'EB'
PC: 403+80.41'EB'
PRC: 404+24.52'EB'
PRC: 405+13.16'EB'
PT: 406+14.94'EB'
S56°39'26.0"E
N73°41'33.1"E
20RA1'
PI: 407+72.96'EB'
PC: 408+05.73'EB'
PCC: 408+83.28'EB'
PT: 409+71.75'EB'
EP: 411+88.73'EB'

PI 'NW2' STA = 30+15.00
Y = 561051.266
X = 842736.516

PI 'NW2' STA = 31+04.01
Y = 561054.145
X = 842825.451
DELTA = 001°29'11.3"
D = 001°54'30.9"
T = 38.94'
L = 77.88'
R = 3002.00'
PC 'NW2' STA = 30+65.06
Y = 561051.827
X = 842786.576
PT 'NW2' STA = 31+42.95
Y = 561057.470
X = 842864.252
BK = N86° 35' 18.9"E
AH = N85° 06' 07.6"E

PI 'NW2' STA = 32+24.78
Y = 561064.457
X = 842945.791
DELTA = 011°40'54.2"
D = 007°09'43.1"
T = 81.84'
L = 163.11'
R = 800.00'
PC 'NW2' STA = 31+42.95
Y = 561057.470
X = 842864.252
PT 'NW2' STA = 33+06.05
Y = 561087.809
X = 843024.226
BK = N85° 06' 07.6"E
AH = N73° 25' 13.4"E

PI 'NW2' STA = 33+24.05
Y = 561092.945
X = 843041.477
DELTA = 036°14'32.5"
D = 104°10'26.9"
T = 18.00'
L = 34.79'
R = 55.00'
PC 'NW2' STA = 33+06.05
Y = 561087.809
X = 843024.226
PT 'NW2' STA = 33+40.84
Y = 561107.286
X = 843052.354
BK = N73° 25' 13.4"E
AH = N37° 10' 40.9"E

PI 'NW2' STA = 33+99.64
Y = 561154.134
X = 843087.885
DELTA = 051°05'52.8"
D = 046°34'55.0"
T = 58.80'
L = 109.69'
R = 123.00'
PC 'NW2' STA = 33+40.84
Y = 561107.286
X = 843052.354
PT 'NW2' STA = 34+50.54
Y = 561211.204
X = 843073.740
BK = N37° 10' 40.9"E
AH = N13° 55' 11.9"W

PI 'NW2' STA = 35+12.68
Y = 561271.521
X = 843058.791
DELTA = 014°10'08.9"
D = 011°27'33.0"
T = 62.14'
L = 123.65'
R = 500.00'
PC 'NW2' STA = 34+50.54
Y = 561211.204
X = 843073.740
PT 'NW2' STA = 35+74.19
Y = 561333.662
X = 843059.061
BK = N13° 55' 11.9"W
AH = N00° 14' 57.0"E

PI 'SW2A' STA = 80+50.72
Y = 560934.026
X = 842777.967
DELTA = 007°46'42.7"
D = 007°40'49.4"
T = 50.72'
L = 101.28'
R = 746.00'
PC 'SW2A' STA = 80+00.00
Y = 560924.656
X = 842728.123
PT 'SW2A' STA = 81+01.28
Y = 560950.056
X = 842826.084
BK = N79° 21' 11.7"E
AH = N71° 34' 29.0"E

PI 'SW2A' STA = 81+17.53
Y = 560955.192
X = 842841.500
DELTA = 002°29'44.5"
D = 007°40'49.4"
T = 16.25'
L = 32.49'
R = 746.00'
PC 'SW2A' STA = 81+01.28
Y = 560950.056
X = 842826.084
PT 'SW2A' STA = 81+33.77
Y = 560960.994
X = 842856.679
BK = N71° 34' 29.0"E
AH = N69° 04' 44.5"E

PI 'SW2A' STA = 82+12.44
Y = 560989.085
X = 842930.160
DELTA = 066°29'39.6"
D = 047°44'47.3"
T = 78.67'
L = 139.27'
R = 120.00'
PC 'SW2A' STA = 81+33.77
Y = 560960.994
X = 842856.679
PT 'SW2A' STA = 82+73.04
Y = 560932.905
X = 842985.226
BK = N69° 04' 44.5"E
AH = S44° 25' 35.9"E

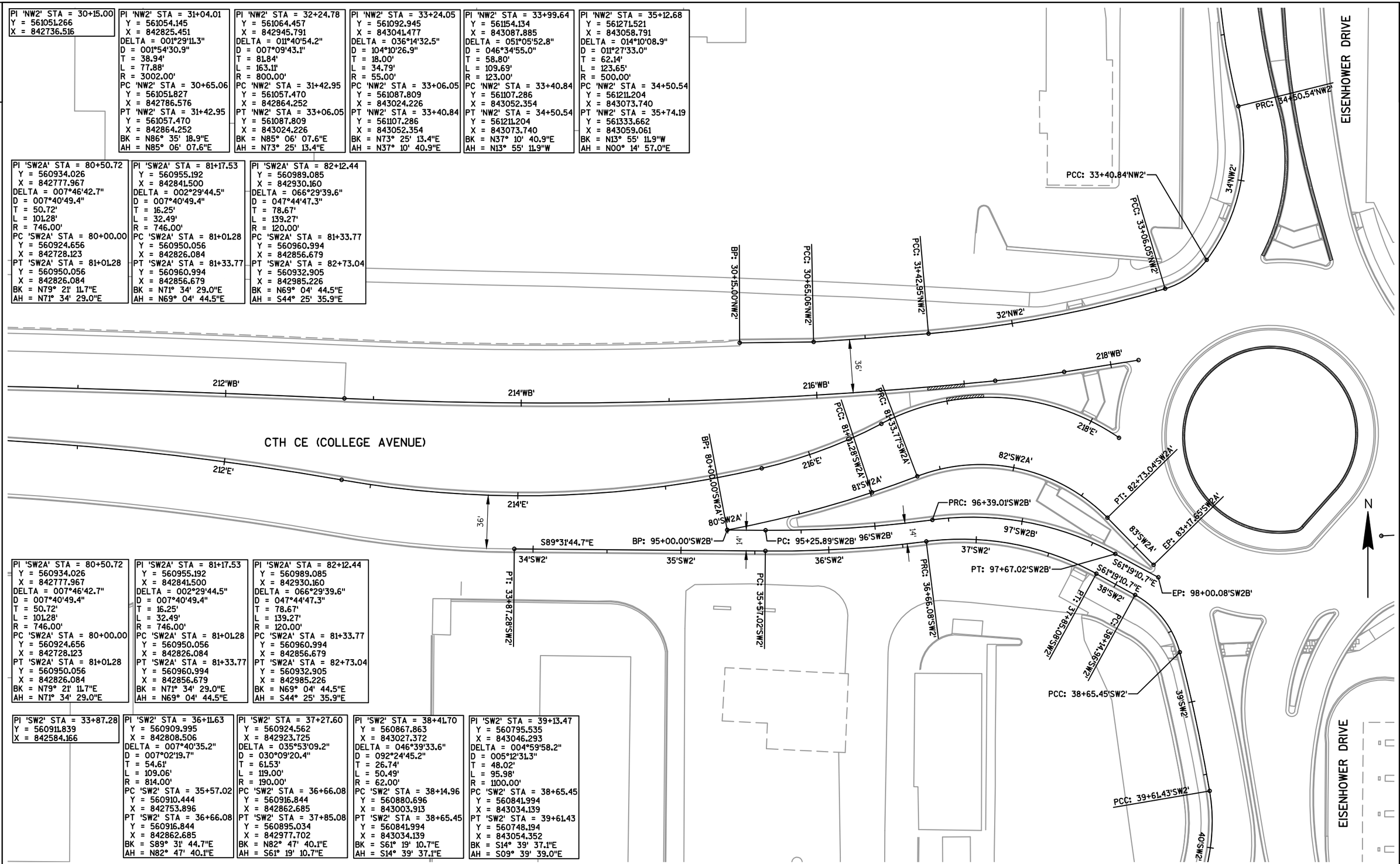
PI 'SW2' STA = 33+87.28
Y = 560911.839
X = 842584.166

PI 'SW2' STA = 36+11.63
Y = 560909.995
X = 842808.506
DELTA = 007°40'35.2"
D = 007°02'19.7"
T = 54.61'
L = 109.06'
R = 814.00'
PC 'SW2' STA = 35+57.02
Y = 560910.444
X = 842753.896
PT 'SW2' STA = 36+66.08
Y = 560916.844
X = 842862.685
BK = S89° 31' 44.7"E
AH = N82° 47' 40.1"E

PI 'SW2' STA = 37+27.60
Y = 560924.562
X = 842923.725
DELTA = 035°53'09.2"
D = 030°09'20.4"
T = 61.53'
L = 119.00'
R = 190.00'
PC 'SW2' STA = 36+66.08
Y = 560916.844
X = 842862.685
PT 'SW2' STA = 37+85.08
Y = 560895.034
X = 842977.702
BK = N82° 47' 40.1"E
AH = S61° 19' 10.7"E

PI 'SW2' STA = 38+41.70
Y = 560867.863
X = 843027.372
DELTA = 046°39'33.6"
D = 092°24'45.2"
T = 26.74'
L = 50.49'
R = 62.00'
PC 'SW2' STA = 38+14.96
Y = 560880.696
X = 843003.913
PT 'SW2' STA = 38+65.45
Y = 560841.994
X = 843034.139
BK = S61° 19' 10.7"E
AH = S14° 39' 37.1"E

PI 'SW2' STA = 39+13.47
Y = 560795.535
X = 843046.293
DELTA = 004°59'58.2"
D = 005°12'31.3"
T = 48.02'
L = 95.98'
R = 1100.00'
PC 'SW2' STA = 38+65.45
Y = 560841.994
X = 843034.139
PT 'SW2' STA = 39+61.43
Y = 560748.194
X = 843054.352
BK = S14° 39' 37.1"E
AH = S09° 39' 39.0"E



PROJECT NO: 4160-05-71 / 4160-05-73	HWY: CTH CE	COUNTY: OUTAGAMIE	ALIGNMENT DETAIL - CTH CE (COLLEGE AVENUE) WEST LEG	SHEET 106	E

PI 'NW2' STA = 33+24.05
Y = 561092.945
X = 843041.477
DELTA = 036°14'32.5"
D = 104°10'26.9"
T = 18.00'
L = 34.79'
R = 55.00'
PC 'NW2' STA = 33+06.05
Y = 561087.809
X = 843024.226
PT 'NW2' STA = 33+40.84
Y = 561107.286
X = 843052.354
BK = N73° 25' 13.4"E
AH = N37° 10' 40.9"E

PI 'NW2' STA = 33+99.64
Y = 561154.134
X = 843087.885
DELTA = 051°05'52.8"
D = 046°34'55.0"
T = 58.80'
L = 109.69'
R = 123.00'
PC 'NW2' STA = 33+40.84
Y = 561107.286
X = 843052.354
PT 'NW2' STA = 34+50.54
Y = 561211.204
X = 843073.740
BK = N37° 10' 40.9"E
AH = N13° 55' 11.9"W

PI 'NW2' STA = 35+12.68
Y = 561271.521
X = 843058.791
DELTA = 014°10'08.9"
D = 011°27'33.0"
T = 62.14'
L = 123.65'
R = 500.00'
PC 'NW2' STA = 34+50.54
Y = 561211.204
X = 843073.740
PT 'NW2' STA = 35+74.19
Y = 561333.662
X = 843059.061
BK = N13° 55' 11.9"W
AH = N00° 14' 57.0"E

PI 'NW2' STA = 35+98.20
Y = 561357.678
X = 843059.165

PI 'NE2' STA = 31+98.91
Y = 561245.809
X = 843126.503
DELTA = 011°37'38.2"
D = 005°43'46.5"
T = 101.82'
L = 202.93'
R = 1000.00'
PC 'NE2' STA = 30+97.09
Y = 561347.624
X = 843127.068
PT 'NE2' STA = 33+00.02
Y = 561145.969
X = 843146.471
BK = S00° 19' 03.4"W
AH = S11° 18' 34.8"E

PI 'NE2' STA = 33+45.82
Y = 561101.064
X = 843155.452
DELTA = 025°47'37.4"
D = 028°38'52.4"
T = 45.79'
L = 90.04'
R = 200.00'
PC 'NE2' STA = 33+00.02
Y = 561145.969
X = 843146.471
PT 'NE2' STA = 33+90.06
Y = 561064.541
X = 843183.077
BK = S11° 18' 34.8"E
AH = S37° 06' 12.2"E

PI 'NE2' STA = 35+11.96
Y = 560967.323
X = 843256.612
DELTA = 064°58'23.8"
D = 047°44'47.3"
T = 76.41'
L = 136.08'
R = 120.00'
PC 'NE2' STA = 34+35.55
Y = 561028.263
X = 843210.517
PT 'NE2' STA = 35+71.63
Y = 560983.309
X = 843331.330
BK = S37° 06' 12.2"E
AH = N77° 55' 24.0"E

PI 'NE2' STA = 36+22.71
Y = 560993.997
X = 843381.285
DELTA = 007°20'39.0"
D = 007°11'52.7"
T = 51.09'
L = 102.03'
R = 796.00'
PC 'NE2' STA = 35+71.63
Y = 560983.309
X = 843331.330
PT 'NE2' STA = 36+73.66
Y = 560998.212
X = 843432.196
BK = N77° 55' 24.0"E
AH = N85° 16' 03.1"E

PI 'SE2' STA = 18+60.06
Y = 560727.061
X = 843108.678
DELTA = 036°44'48.2"
D = 022°02'12.6"
T = 86.36'
L = 166.75'
R = 260.00'
PC 'SE2' STA = 17+73.71
Y = 560646.897
X = 843140.787
PT 'SE2' STA = 19+40.46
Y = 560810.507
X = 843130.910
BK = N21° 49' 41.4"W
AH = N14° 55' 06.9"E

PI 'SE2' STA = 19+73.58
Y = 560842.509
X = 843139.436
DELTA = 030°51'27.0"
D = 047°44'47.3"
T = 33.12'
L = 64.63'
R = 120.00'
PC 'SE2' STA = 19+40.46
Y = 560810.507
X = 843130.910
PT 'SE2' STA = 20+05.08
Y = 560865.608
X = 843163.169
BK = N14° 55' 06.9"E
AH = N45° 46' 33.9"E

PI 'SE2' STA = 20+22.33
Y = 560877.633
X = 843175.525
DELTA = 036°41'14.7"
D = 110°11'03.1"
T = 17.24'
L = 33.30'
R = 52.00'
PC 'SE2' STA = 20+05.08
Y = 560865.608
X = 843163.169
PT 'SE2' STA = 20+38.38
Y = 560879.894
X = 843192.617
BK = N45° 46' 33.9"E
AH = N82° 27' 48.5"E

PI 'SE2' STA = 21+36.89
Y = 560892.815
X = 843290.278
DELTA = 011°15'08.1"
D = 005°43'46.5"
T = 98.51'
L = 196.39'
R = 1000.00'
PC 'SE2' STA = 20+38.38
Y = 560879.894
X = 843192.617
PT 'SE2' STA = 22+34.77
Y = 560886.431
X = 843388.582
BK = N82° 27' 48.5"E
AH = S86° 17' 03.4"E

PI 'SE2' STA = 22+59.79
Y = 560883.813
X = 843413.465
DELTA = 002°52'18.1"
D = 005°44'23.7"
T = 25.02'
L = 50.03'
R = 998.20'
PC 'SE2' STA = 22+34.77
Y = 560886.431
X = 843388.582
PT 'SE2' STA = 22+84.80
Y = 560879.952
X = 843438.186
BK = S83° 59' 38.9"E
AH = S81° 07' 20.8"E

EISENHOWER DRIVE

EP: 35+98.20'NW2'
N00°14'57.0"E
PT: 35+74.19'NW2'
PRC: 34+50.54'NW2'
PCC: 33+40.84'NW2'
PCC: 33+06.05'NW2'
PC: 30+97.09'NE2'
PCC: 33+00.02'NE2'
PT: 33+90.06'NE2'
S37°06'12.2"E
PC: 34+35.55'NE2'
PRC: 35+71.63'NE2'
EP: 36+73.66'NE2'
PCC: 20+38.38'SE2'
PCC: 20+05.08'SE2'
PCC: 19+40.46'SE2'
PCC: 22+34.77'SE2'
EP: 22+84.80'SE2'

35'NW
312'SB'
312'NB'
311'SB'
311'NB'
310'NB'
307'SB'
307'NB'
34'NW2'
33'NE2'
32'NE2'
31'NE2'
34'NE2'
35'NE2'
36'NE2'
32'NW2'
218'WB'
217'WB'
216'WB'
217'EB'
218'EB'
216'EB'
221'WB'
222'WB'
223'WB'
224'WB'
221'EB'
222'EB'
223'EB'
224'EB'
21'SE2'
22'SE2'
24'
25.51'
29.50'
19.13'
29.54'
46.45'
42.75'
36'
42.10'
36.93'
20.58'

CTH CE (COLLEGE AVENUE)

N

PROJECT NO: 4160-05-71 / 4160-05-73	HWY: CTH CE	COUNTY: OUTAGAMIE	ALIGNMENT DETAIL - CTH CE (COLLEGE AVENUE) WEST LEG	SHEET 107	E

2

PI 'SW2' STA = 41+09.85
Y = 560628.407
X = 842990.350
DELTA = 030°35'47.4"
D = 044°04'25.2"
T = 35.56'
L = 69.42'
R = 130.00'
PC 'SW2' STA = 40+74.29
Y = 560646.139
X = 843021.173
PT 'SW2' STA = 41+43.71
Y = 560628.833
X = 842954.793
BK = S60° 05' 21.5"W
AH = N89° 18' 51.1"W

PI 'SW2' STA = 40+62.31
Y = 560652.385
X = 843032.031
DELTA = 029°15'02.7"
D = 119°21'58.3"
T = 12.53'
L = 24.51'
R = 48.00'
PC 'SW2' STA = 40+49.79
Y = 560663.140
X = 843038.452
PT 'SW2' STA = 40+74.29
Y = 560646.139
X = 843021.173
BK = S30° 50' 18.8"W
AH = S60° 05' 21.5"W

PI 'SW2' STA = 40+07.55
Y = 560702.734
X = 843062.091
DELTA = 040°29'57.7"
D = 045°50'11.8"
T = 46.11'
L = 88.36'
R = 125.00'
PC 'SW2' STA = 39+61.43
Y = 560748.194
X = 843054.352
PT 'SW2' STA = 40+49.79
Y = 560663.140
X = 843038.452
BK = S09° 39' 39.0"E
AH = S30° 50' 18.8"W

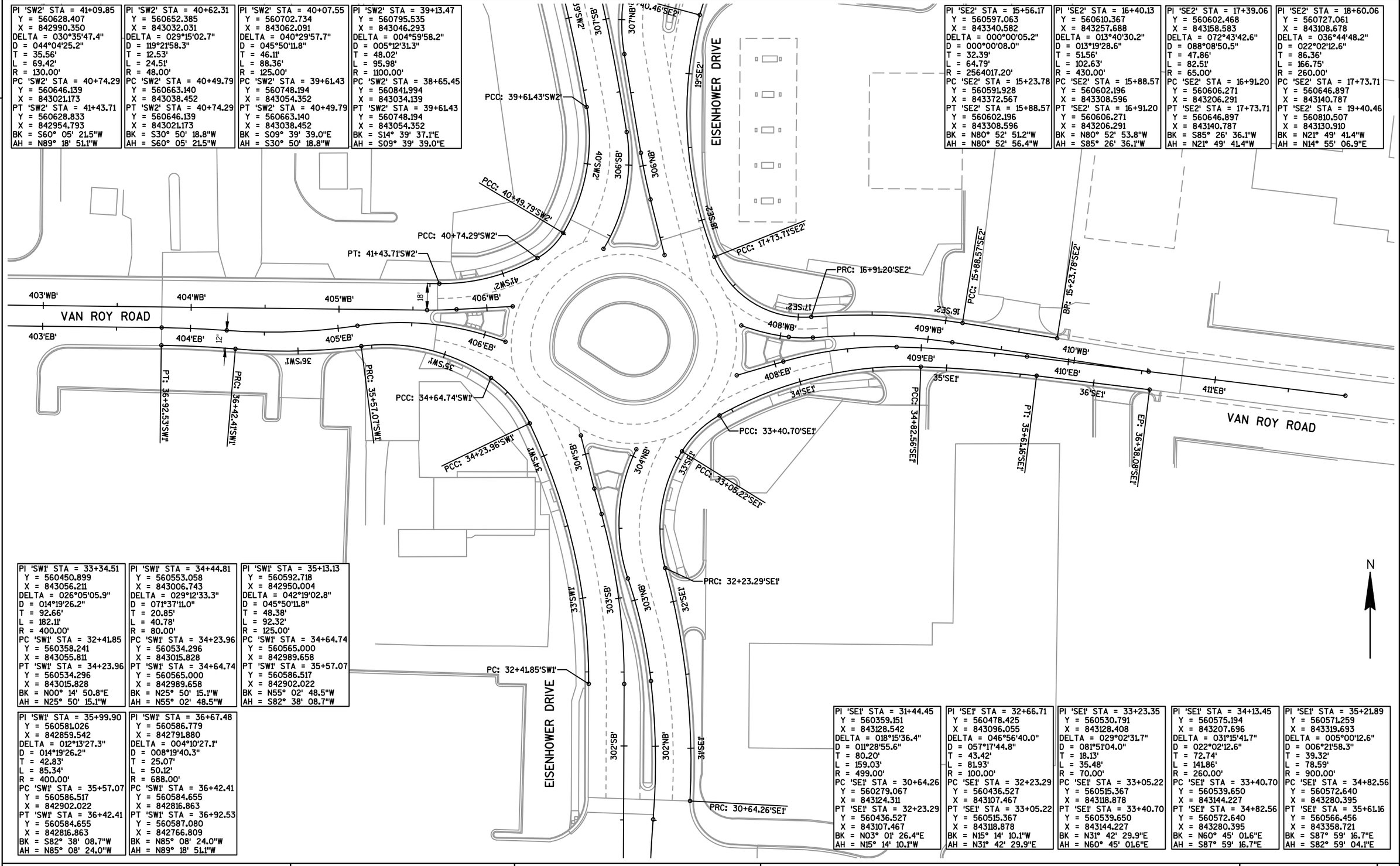
PI 'SW2' STA = 39+13.47
Y = 560795.535
X = 843046.293
DELTA = 004°59'58.2"
D = 005°12'31.3"
T = 48.02'
L = 95.98'
R = 1100.00'
PC 'SW2' STA = 38+65.45
Y = 560841.994
X = 843034.139
PT 'SW2' STA = 39+61.43
Y = 560748.194
X = 843054.352
BK = S14° 39' 37.1"E
AH = S09° 39' 39.0"E

PI 'SE2' STA = 15+56.17
Y = 560597.063
X = 843340.582
DELTA = 000°00'05.2"
D = 000°00'08.0"
T = 32.39'
L = 64.79'
R = 2564017.20'
PC 'SE2' STA = 15+23.78
Y = 560591.928
X = 843372.567
PT 'SE2' STA = 15+88.57
Y = 560602.196
X = 843308.596
BK = N80° 52' 51.2"W
AH = N80° 52' 56.4"W

PI 'SE2' STA = 16+40.13
Y = 560610.367
X = 843257.688
DELTA = 013°40'30.2"
D = 013°19'28.6"
T = 51.56'
L = 102.63'
R = 430.00'
PC 'SE2' STA = 15+88.57
Y = 560602.196
X = 843308.596
PT 'SE2' STA = 16+91.20
Y = 560606.271
X = 843206.291
BK = N80° 52' 53.8"W
AH = S85° 26' 36.1"W

PI 'SE2' STA = 17+39.06
Y = 560602.468
X = 843158.583
DELTA = 072°43'42.6"
D = 088°08'50.5"
T = 47.86'
L = 82.51'
R = 65.00'
PC 'SE2' STA = 16+91.20
Y = 560606.271
X = 843206.291
PT 'SE2' STA = 17+73.71
Y = 560646.897
X = 843140.787
BK = S85° 26' 36.1"W
AH = N21° 49' 41.4"W

PI 'SE2' STA = 18+60.06
Y = 560727.061
X = 843108.678
DELTA = 036°44'48.2"
D = 022°02'12.6"
T = 86.36'
L = 166.75'
R = 260.00'
PC 'SE2' STA = 17+73.71
Y = 560646.897
X = 843140.787
PT 'SE2' STA = 19+40.46
Y = 560810.507
X = 843130.910
BK = N21° 49' 41.4"W
AH = N14° 55' 06.9"E



PI 'SW1' STA = 33+34.51
Y = 560450.899
X = 843056.211
DELTA = 026°05'05.9"
D = 014°19'26.2"
T = 92.66'
L = 182.11'
R = 400.00'
PC 'SW1' STA = 32+41.85
Y = 560358.241
X = 843055.811
PT 'SW1' STA = 34+23.96
Y = 560534.296
X = 843015.828
BK = N00° 14' 50.8"E
AH = N25° 50' 15.1"W

PI 'SW1' STA = 34+44.81
Y = 560553.058
X = 843006.743
DELTA = 029°12'33.3"
D = 071°37'11.0"
T = 20.85'
L = 40.78'
R = 80.00'
PC 'SW1' STA = 34+23.96
Y = 560534.296
X = 843015.828
PT 'SW1' STA = 34+64.74
Y = 560565.000
X = 842989.658
BK = N25° 50' 15.1"W
AH = N55° 02' 48.5"W

PI 'SW1' STA = 35+13.13
Y = 560592.718
X = 842950.004
DELTA = 042°19'02.8"
D = 045°50'11.8"
T = 48.38'
L = 92.32'
R = 125.00'
PC 'SW1' STA = 34+64.74
Y = 560565.000
X = 842989.658
PT 'SW1' STA = 35+57.07
Y = 560586.517
X = 842902.022
BK = N55° 02' 48.5"W
AH = S82° 38' 08.7"W

PI 'SW1' STA = 35+99.90
Y = 560581.026
X = 842859.542
DELTA = 012°13'27.3"
D = 014°19'26.2"
T = 42.83'
L = 85.34'
R = 400.00'
PC 'SW1' STA = 35+57.07
Y = 560586.517
X = 842902.022
PT 'SW1' STA = 36+42.41
Y = 560584.655
X = 842816.863
BK = S82° 38' 08.7"W
AH = N85° 08' 24.0"W

PI 'SW1' STA = 36+67.48
Y = 560586.779
X = 842791.880
DELTA = 004°10'27.1"
D = 008°19'40.3"
T = 25.07'
L = 50.12'
R = 688.00'
PC 'SW1' STA = 36+42.41
Y = 560584.655
X = 842816.863
PT 'SW1' STA = 36+92.53
Y = 560587.080
X = 842766.809
BK = N85° 08' 24.0"W
AH = N89° 18' 51.1"W

PI 'SE1' STA = 31+44.45
Y = 560359.151
X = 843128.542
DELTA = 018°15'36.4"
D = 011°28'55.6"
T = 80.20'
L = 159.03'
R = 499.00'
PC 'SE1' STA = 30+64.26
Y = 560279.067
X = 843124.311
PT 'SE1' STA = 32+23.29
Y = 560436.527
X = 843107.467
BK = N03° 01' 26.4"E
AH = N15° 14' 10.1"W

PI 'SE1' STA = 32+66.71
Y = 560478.425
X = 843096.055
DELTA = 046°56'40.0"
D = 057°17'44.8"
T = 43.42'
L = 81.93'
R = 100.00'
PC 'SE1' STA = 32+23.29
Y = 560436.527
X = 843107.467
PT 'SE1' STA = 33+05.22
Y = 560515.367
X = 843118.878
BK = N15° 14' 10.1"W
AH = N31° 42' 29.9"E

PI 'SE1' STA = 33+23.35
Y = 560530.791
X = 843128.408
DELTA = 029°02'31.7"
D = 081°51'04.0"
T = 18.13'
L = 35.48'
R = 70.00'
PC 'SE1' STA = 33+05.22
Y = 560515.367
X = 843118.878
PT 'SE1' STA = 33+40.70
Y = 560539.650
X = 843144.227
BK = N31° 42' 29.9"E
AH = N60° 45' 01.6"E

PI 'SE1' STA = 34+13.45
Y = 560575.194
X = 843207.696
DELTA = 031°15'41.7"
D = 022°02'12.6"
T = 72.74'
L = 141.86'
R = 260.00'
PC 'SE1' STA = 33+40.70
Y = 560539.650
X = 843144.227
PT 'SE1' STA = 34+82.56
Y = 560572.640
X = 843280.395
BK = N60° 45' 01.6"E
AH = S87° 59' 16.7"E

PI 'SE1' STA = 35+21.89
Y = 560571.259
X = 843319.693
DELTA = 005°00'12.6"
D = 006°21'58.3"
T = 39.32'
L = 78.59'
R = 900.00'
PC 'SE1' STA = 34+82.56
Y = 560572.640
X = 843280.395
PT 'SE1' STA = 35+61.16
Y = 560566.456
X = 843358.721
BK = S87° 59' 16.7"E
AH = S82° 59' 04.1"E

PROJECT NO: 4160-05-71 / 4160-05-73	HWY: CTH CE	COUNTY: OUTAGAMIE	ALIGNMENT DETAIL - EISENHOWER DRIVE & VAN ROY ROAD	SHEET 108	E

DATE 13JAN15 E S T I M A T E O F Q U A N T I T I E S

LINE NUMBER	ITEM	ITEM DESCRIPTION	UNIT	TOTAL	4160-05-71 QUANTITY	4160-05-73 QUANTITY
0010	201.0105	Clearing	STA	2.000	1.000	1.000
0020	201.0120	Clearing	ID	47.000	32.000	15.000
0030	201.0205	Grubbing	STA	2.000	1.000	1.000
0040	201.0220	Grubbing	ID	47.000	32.000	15.000
0050	203.0100	Removing Small Pipe Culverts	EACH	4.000		4.000
0060	204.0100	Removing Pavement	SY	12,315.000	12,222.000	93.000
0070	204.0110	Removing Asphaltic Surface	SY	255.000		255.000
0080	204.0150	Removing Curb & Gutter	LF	3,500.000	931.000	2,569.000
0090	204.0155	Removing Concrete Sidewalk	SY	6.000		6.000
0100	204.0185	Removing Masonry	CY	4.000	4.000	
0110	204.0190	Removing Surface Drains	EACH	1.000	1.000	
0120	204.0195	Removing Concrete Bases	EACH	27.000	20.000	7.000
0130	204.0210	Removing Manholes	EACH	1.000		1.000
0140	204.0220	Removing Inlets	EACH	25.000	18.000	7.000
0150	204.0245	Removing Storm Sewer (size) 01. 12-Inch	LF	640.000	270.000	370.000
0160	204.0245	Removing Storm Sewer (size) 02. 15-Inch	LF	220.000	220.000	
0170	204.0245	Removing Storm Sewer (size) 03. 18-Inch	LF	560.000	430.000	130.000
0180	204.0245	Removing Storm Sewer (size) 04. 24-Inch	LF	145.000	145.000	
0190	204.0245	Removing Storm Sewer (size) 05. 30-Inch	LF	150.000	150.000	
0200	205.0100	Excavation Common **P**	CY	21,341.000	18,090.000	3,251.000
0210	213.0100	Finishing Roadway (project) 01. 4160-05-71	EACH	1.000	1.000	
0220	213.0100	Finishing Roadway (project) 02. 4160-05-73	EACH	1.000		1.000
0230	305.0110	Base Aggregate Dense 3/4-Inch	TON	1,900.000	1,600.000	300.000
0240	305.0120	Base Aggregate Dense 1 1/4-Inch	TON	16,500.000	12,100.000	4,400.000
0250	305.0130	Base Aggregate Dense 3-Inch	TON	14,250.000	11,350.000	2,900.000
0260	310.0115	Base Aggregate Open Graded	CY	2.200	1.100	1.100
0270	405.0100	Coloring Concrete Red **P**	CY	304.000	170.000	134.000
0280	415.0080	Concrete Pavement 8-Inch **P**	SY	3,429.000		3,429.000
0290	415.0100	Concrete Pavement 10-Inch **P**	SY	19,960.000	19,136.000	824.000
0300	416.0180	Concrete Driveway 8-Inch	SY	247.000		247.000
0310	416.0512	Concrete Roundabout Truck Apron 12-Inch **P**	SY	914.000	511.000	403.000
0320	416.0610	Drilled Tie Bars	EACH	647.000	582.000	65.000
0330	416.0620	Drilled Dowel Bars	EACH	80.000	80.000	
0340	455.0105	Asphaltic Material PG58-28	TON	50.000	22.000	28.000
0350	455.0605	Tack Coat	GAL	480.000	219.000	261.000
0360	460.1100	Hma Pavement Type E-0.3	TON	175.000	175.000	
0370	460.1103	Hma Pavement Type E-3	TON	729.000	218.000	511.000
0380	460.2000	Incentive Density HMA Pavement	DOL	620.000	270.000	350.000
0390	465.0105	Asphaltic Surface	TON	207.000	207.000	
0400	465.0120	Asphaltic Surface Driveways and Field Entrances	TON	484.000	82.000	402.000
0410	465.0125	Asphaltic Surface Temporary	TON	531.000	529.000	2.000
0420	465.0310	Asphaltic Curb	LF	10.000	10.000	
0430	465.0315	Asphaltic Flumes	SY	20.000	10.000	10.000
0440	520.1015	Apron Endwalls for Culvert Pipe 15-Inch	EACH	1.000	1.000	
0450	520.8000	Concrete Collars for Pipe	EACH	3.000	2.000	1.000
0460	521.0115	Culvert Pipe Corrugated Steel 15-Inch	LF	36.000	36.000	
0470	522.1012	Apron Endwalls for Culvert Pipe Reinforced Concrete 12-Inch	EACH	3.000	3.000	
0480	522.1015	Apron Endwalls for Culvert Pipe Reinforced Concrete 15-Inch	EACH	1.000	1.000	

3

DATE 13JAN15 E S T I M A T E O F Q U A N T I T I E S

LINE NUMBER	ITEM	ITEM DESCRIPTION	UNIT	TOTAL	4160-05-71 QUANTITY	4160-05-73 QUANTITY
0490	522.1018	Apron Endwalls for Culvert Pipe Reinforced Concrete 18-Inch	EACH	1.000	1.000	
0500	522.1021	Apron Endwalls for Culvert Pipe Reinforced Concrete 21-Inch	EACH	4.000	4.000	
0510	522.1024	Apron Endwalls for Culvert Pipe Reinforced Concrete 24-Inch	EACH	1.000	1.000	
0520	601.0405	Concrete Curb & Gutter 18-Inch Type A	LF	547.000	377.000	170.000
0530	601.0409	Concrete Curb & Gutter 30-Inch Type A **P**	LF	9,332.000	7,294.000	2,038.000
0540	601.0411	Concrete Curb & Gutter 30-Inch Type D **P**	LF	1,139.000	134.000	1,005.000
0550	601.0452	Concrete Curb & Gutter Integral 30-Inch Type D **P**	LF	725.000	641.000	84.000
0560	601.0557	Concrete Curb & Gutter 6-Inch Sloped 36-Inch Type D **P**	LF	350.000	350.000	
0570	601.0580	Concrete Curb & Gutter 4-Inch Sloped 36-Inch Type R **P**	LF	839.000	459.000	380.000
0580	601.0600	Concrete Curb Pedestrian	LF	466.000	379.000	87.000
0590	602.0405	Concrete Sidewalk 4-Inch **P**	SF	25,355.000	16,512.000	8,843.000
0600	602.0515	Curb Ramp Detectable Warning Field Natural Patina	SF	568.000	344.000	224.000
0610	608.0312	Storm Sewer Pipe Reinforced Concrete Class III 12-Inch	LF	1,054.000	808.000	246.000
0620	608.0315	Storm Sewer Pipe Reinforced Concrete Class III 15-Inch	LF	460.000	311.000	149.000
0630	608.0318	Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	LF	217.000	217.000	
0640	608.0321	Storm Sewer Pipe Reinforced Concrete Class III 21-Inch	LF	231.000	231.000	
0650	608.0324	Storm Sewer Pipe Reinforced Concrete Class III 24-Inch	LF	654.000	654.000	
0660	611.0530	Manhole Covers Type J	EACH	7.000	7.000	
0670	611.0624	Inlet Covers Type H	EACH	21.000	16.000	5.000
0680	611.0639	Inlet Covers Type H-S	EACH	17.000	16.000	1.000
0690	611.0642	Inlet Covers Type MS	EACH	2.000	2.000	
0700	611.0652	Inlet Covers Type T	EACH	4.000	2.000	2.000
0710	611.2004	Manholes 4-FT Diameter	EACH	1.000	1.000	
0720	611.2005	Manholes 5-FT Diameter	EACH	4.000	4.000	
0730	611.2006	Manholes 6-FT Diameter	EACH	3.000	3.000	
0740	611.3230	Inlets 2x3-FT	EACH	35.000	29.000	6.000
0750	611.3902	Inlets Median 2 Grate	EACH	1.000	1.000	
0760	611.8115	Adjusting Inlet Covers	EACH	1.000		1.000
0770	611.8120.S	Cover Plates Temporary	EACH	6.000	6.000	
0780	611.9710	Salvaged Inlet Covers	EACH	2.000	2.000	
0790	612.0106	Pipe Underdrain 6-Inch	LF	60.000	30.000	30.000
0800	619.1000	Mobilization	EACH	1.000	0.700	0.300
0810	620.0300	Concrete Median Sloped Nose	SF	592.000	287.000	305.000
0820	624.0100	Water	MGAL	200.000	150.000	50.000
0830	625.0100	Topsoil	SY	31,850.000	29,270.000	2,580.000
0840	625.0105	Topsoil **P**	CY	374.000	329.000	45.000
0850	628.1504	Silt Fence	LF	1,900.000	1,800.000	100.000
0860	628.1520	Silt Fence Maintenance	LF	1,900.000	1,800.000	100.000
0870	628.1905	Mobilizations Erosion Control	EACH	14.000	8.000	6.000
0880	628.1910	Mobilizations Emergency Erosion Control	EACH	7.000	4.000	3.000
0890	628.2004	Erosion Mat Class I Type B	SY	2,000.000	1,890.000	110.000
0900	628.2006	Erosion Mat Urban Class I Type A	SY	29,850.000	27,380.000	2,470.000

3

DATE 13JAN15 E S T I M A T E O F Q U A N T I T I E S

LINE NUMBER	ITEM	ITEM DESCRIPTION	UNIT	TOTAL	4160-05-71 QUANTITY	4160-05-73 QUANTITY
0910	628.7005	Inlet Protection Type A	EACH	59.000	47.000	12.000
0920	628.7015	Inlet Protection Type C	EACH	53.000	42.000	11.000
0930	628.7020	Inlet Protection Type D	EACH	4.000	2.000	2.000
0940	628.7504	Temporary Ditch Checks	LF	90.000	60.000	30.000
0950	628.7555	Culvert Pipe Checks	EACH	30.000	26.000	4.000
0960	629.0210	Fertilizer Type B	CWT	21.000	19.000	2.000
0970	630.0130	Seeding Mixture No. 30	LB	130.000	125.000	5.000
0980	630.0140	Seeding Mixture No. 40	LB	445.000	400.000	45.000
0990	630.0200	Seeding Temporary	LB	435.000	400.000	35.000
1000	633.5200	Markers Culvert End	EACH	12.000	12.000	
1010	634.0614	Posts Wood 4x6-Inch X 14-FT	EACH	28.000	16.000	12.000
1020	634.0616	Posts Wood 4x6-Inch X 16-FT	EACH	45.000	28.000	17.000
1030	634.0618	Posts Wood 4x6-Inch X 18-FT	EACH	14.000	10.000	4.000
1040	637.2210	Signs Type II Reflective H	SF	558.520	339.550	218.970
1050	637.2230	Signs Type II Reflective F	SF	152.500	121.000	31.500
1060	638.2102	Moving Signs Type II	EACH	10.000	9.000	1.000
1070	638.2602	Removing Signs Type II	EACH	51.000	30.000	21.000
1080	638.3000	Removing Small Sign Supports	EACH	29.000	17.000	12.000
1090	638.4000	Moving Small Sign Supports	EACH	8.000	7.000	1.000
1100	641.8100	Overhead Sign Support (structure) 01. S-44-0129	LS	1.000	1.000	
1110	641.8100	Overhead Sign Support (structure) 02. S-44-0130	LS	1.000	1.000	
1120	641.8100	Overhead Sign Support (structure) 03. S-44-0131	LS	1.000	1.000	
1130	642.5401	Field Office Type D	EACH	1.000	0.700	0.300
1140	643.0100	Traffic Control (project) 01. 4160-05-71	EACH	1.000	1.000	
1150	643.0100	Traffic Control (project) 02. 4160-05-73	EACH	1.000		1.000
1160	643.0300	Traffic Control Drums	DAY	42,873.000	38,929.000	3,944.000
1170	643.0420	Traffic Control Barricades Type III	DAY	4,285.000	3,421.000	864.000
1180	643.0500	Traffic Control Flexible Tubular Marker Posts	EACH	187.000	187.000	
1190	643.0600	Traffic Control Flexible Tubular Marker Bases	EACH	187.000	187.000	
1200	643.0705	Traffic Control Warning Lights Type A	DAY	8,569.000	6,842.000	1,727.000
1210	643.0715	Traffic Control Warning Lights Type C	DAY	9,724.000	9,339.000	385.000
1220	643.0800	Traffic Control Arrow Boards	DAY	160.000	160.000	
1230	643.0900	Traffic Control Signs	DAY	12,519.000	10,775.000	1,744.000
1240	643.0920	Traffic Control Covering Signs Type II	EACH	2.000	2.000	
1250	643.1000	Traffic Control Signs Fixed Message	SF	59.000	59.000	
1260	643.1050	Traffic Control Signs PCMS	DAY	70.000	56.000	14.000
1270	645.0111	Geotextile Fabric Type DF Schedule A	SY	34.000	17.000	17.000
1280	646.0106	Pavement Marking Epoxy 4-Inch	LF	10,974.000	8,468.000	2,506.000
1290	646.0126	Pavement Marking Epoxy 8-Inch	LF	348.000	290.000	58.000
1300	646.0600	Removing Pavement Markings	LF	3,621.000	3,621.000	
1310	647.0166	Pavement Marking Arrows Epoxy Type 2	EACH	7.000	2.000	5.000
1320	647.0606	Pavement Marking Island Nose Epoxy	EACH	3.000		3.000
1330	647.0726	Pavement Marking Diagonal Epoxy 12-Inch	LF	36.000		36.000
1340	649.0100	Temporary Pavement Marking 4-Inch	LF	6,822.000	6,822.000	
1350	649.0400	Temporary Pavement Marking Removable Tape 4-Inch	LF	9,664.000	9,579.000	85.000
1360	649.0801	Temporary Pavement Marking Removable Tape 8-Inch	LF	363.000	363.000	

3

DATE 13JAN15 E S T I M A T E O F Q U A N T I T I E S

LINE NUMBER	ITEM	ITEM DESCRIPTION	UNIT	TOTAL	4160-05-71 QUANTITY	4160-05-73 QUANTITY
1370	649.1100	Temporary Pavement Marking Stop Line 18-Inch	LF	48.000	48.000	
1380	649.1200	Temporary Pavement Marking Stop Line Removable Tape 18-Inch	LF	36.000	36.000	
1390	649.1700	Temporary Pavement Marking Arrows	EACH	2.000	2.000	
1400	649.1800	Temporary Pavement Marking Arrows Removable Tape	EACH	7.000	5.000	2.000
1410	650.4000	Construction Staking Storm Sewer	EACH	62.000	54.000	8.000
1420	650.4500	Construction Staking Subgrade	LF	9,433.000	6,695.000	2,738.000
1430	650.5000	Construction Staking Base	LF	2,202.000	1,316.000	886.000
1440	650.5500	Construction Staking Curb Gutter and Curb & Gutter	LF	1,441.000	252.000	1,189.000
1450	650.6500	Construction Staking Structure Layout (structure) 01. S-44-0129	LS	1.000	1.000	
1460	650.6500	Construction Staking Structure Layout (structure) 02. S-44-0130	LS	1.000	1.000	
1470	650.6500	Construction Staking Structure Layout (structure) 03. S-44-0131	LS	1.000	1.000	
1480	650.7000	Construction Staking Concrete Pavement	LF	7,231.000	5,379.000	1,852.000
1490	650.9910	Construction Staking Supplemental Control (project) 01. 4160-05-71	LS	1.000	1.000	
1500	650.9910	Construction Staking Supplemental Control (project) 02. 4160-05-73	LS	1.000		1.000
1510	650.9920	Construction Staking Slope Stakes	LF	10,268.000	7,530.000	2,738.000
1520	653.0905	Removing Pull Boxes	EACH	27.000	18.000	9.000
1530	661.0200	Temporary Traffic Signals for Intersections (location) 01. Cth Ce & Eisenhower Dr	LS	1.000	1.000	
1540	690.0150	Sawing Asphalt	LF	2,527.000	1,519.000	1,008.000
1550	690.0250	Sawing Concrete	LF	1,108.000	815.000	293.000
1560	715.0415	Incentive Strength Concrete Pavement	DOL	1,970.000	1,640.000	330.000
1570	ASP.1T0A	On-the-Job Training Apprentice at $5.00/HR	HRS	2,000.000	2,000.000	
1580	ASP.1T0G	On-the-Job Training Graduate at $5.00/HR	HRS	1,320.000	1,320.000	
1590	SPV.0060	Special 02. Pavement Marking Grooved Contrast Preformed Thermoplastic Words	EACH	22.000	14.000	8.000
1600	SPV.0060	Special 03. Pavement Marking Grooved Contrast Preformed Thermoplastic Arrows Type 1	EACH	13.000	11.000	2.000
1610	SPV.0060	Special 04. Pavement Marking Grooved Contrast Preformed Thermoplastic Arrows Type 2	EACH	5.000	4.000	1.000
1620	SPV.0060	Special 05. Pavement Marking Grooved Contrast Preformed Thermoplastic Arrows Type 2r	EACH	2.000	1.000	1.000
1630	SPV.0060	Special 06. Pavement Marking Grooved Contrast Preformed Thermoplastic Arrows Type 3	EACH	16.000	9.000	7.000
1640	SPV.0060	Special 07. Pavement Marking Grooved Contrast Preformed Thermoplastic Arrows Type 3r	EACH	9.000	6.000	3.000
1650	SPV.0060	Special 08. Pavement Marking Grooved Contrast Prfrmd Thrmplstc Arrws Type 6 Modified	EACH	1.000		1.000
1660	SPV.0060	Special 09. Inlets 2x2.5-Ft Special	EACH	4.000	2.000	2.000
1670	SPV.0060	Special 10. Pavement Marking Grooved Contrast Prfrmd Thrmoplstc Arrws Type 2r Modified	EACH	1.000		1.000

3

DATE 13JAN15 E S T I M A T E O F Q U A N T I T I E S

LINE NUMBER	ITEM	ITEM DESCRIPTION	UNIT	TOTAL	4160-05-71 QUANTITY	4160-05-73 QUANTITY
1680	SPV.0060	Special 11. Pavement Marking Grooved Contrast Prfrmd Thermoplastic Yield Line 18-Inch	EACH	23.000	23.000	
1690	SPV.0075	Special 01. Street Sweeping	HRS	20.000	16.000	4.000
1700	SPV.0090	Special 01. Concrete Curb And Gutter 24-Inch Type A	LF	246.000		246.000
1710	SPV.0090	Special 02. Concrete Curb And Gutter 24-Inch Type D	LF	355.000		355.000
1720	SPV.0090	Special 03. Pavement Marking Grooved Preformed Thermoplastic 18-Inch	LF	325.000	219.000	106.000
1730	SPV.0090	Special 04. Pavement Marking Grooved Contrast Preformed Thermoplastic Crosswalk 6-Inch	LF	880.000	634.000	246.000
1740	SPV.0090	Special 05. Pavement Marking Contrast Grooved Performed Thermoplastic 8-Inch	LF	4,083.000	2,946.000	1,137.000
1750	SPV.0090	Special 06. Culvert Pipe Temporary 12-Inch	LF	150.000	150.000	
1760	SPV.0090	Special 07. Pipe Underdrain Unperforated Temporary 8-Inch	LF	220.000	220.000	
1770	SPV.0090	Special 08. Storm Sewer Pipe Pvc 10-Inch	LF	4.000		4.000
1780	SPV.0105	Special 01. Crossover Restoration Sta 1210+00	LS	1.000	1.000	
1790	SPV.0105	Special 02. Crossover Restoration Sta 1232+00	LS	1.000	1.000	
1800	SPV.0105	Special 03. Concrete Pavement Joint Layout Cth Ce & Eisenhower Dr Rab	LS	1.000	1.000	
1810	SPV.0105	Special 04. Concrete Pavement Joint Layout Eisenhower Dr & Van Roy Rd Rab	LS	1.000		1.000
1820	SPV.0105	Special 05. Remove Traffic Signal Cth Ce & Eisenhower Dr	LS	1.000	1.000	
1830	SPV.0105	Special 06. Construction Staging Staking	LS	1.000	1.000	
1840	SPV.0180	Special 01. Concrete Joint Sealing	SY	23,389.000	19,136.000	4,253.000
1850	SPV.0180	Special 02. Shredded Hardwood Bark Mulch **P**	SY	1,122.000	987.000	135.000

3

CLEARING AND GRUBBING

STATION	TO	STATION	LOCATION	201.0105 CLEARING STA	201.0120 CLEARING ID	201.0205 GRUBBING STA	201.0220 GRUBBING ID
PROJECT 4160-05-71							
221+98	-	---	CTH CE WB	---	5	---	5
222+02	-	---	CTH CE WB	---	5	---	5
222+07	-	---	CTH CE WB	---	5	---	5
223+00	-	224+00	CTH CE WB	1	---	1	---
11+35	-	---	CE & EIS RA	---	8	---	8
13+38	-	---	CE & EIS RA	---	5	---	5
306+97	-	---	EISENHOWER SB	---	4	---	4
			PROJECT TOTALS	1	32	1	32
PROJECT 4160-05-73							
303+00	-	304+00	EISENHOWER SB	1	---	1	---
407+98	-	---	VAN ROY EB	---	5	---	5
408+20	-	---	VAN ROY EB	---	5	---	5
408+51	-	---	VAN ROY EB	---	5	---	5
			PROJECT TOTALS	1	15	1	15
			CONTRACT TOTALS	2	47	2	47

REMOVING PAVEMENT & ASPHALTIC SURFACE

STATION	-	STATION	LOCATION	204.0100 REMOVING PAVEMENT SY	204.0110 REMOVING ASPHALTIC SURFACE SY
PROJECT 4160-05-71					
209+40	-	220+96	CTH CE EB	5,428	---
201+93	-	203+88	CTH CE WB	147	---
212+80	-	220+86	CTH CE WB	3,088	---
307+35	-	308+02	EISENHOWER DR	763	---
309+00	-	312+52	EISENHOWER DR	2,796	---
			PROJECT TOTALS	12,222	0
PROJECT 4160-05-73					
301+19	-	301+64	EISENHOWER DR	---	255
	-		PARKING LOTS & DRIVEWAYS	93	---
			PROJECT TOTALS	93	255
			CONTRACT TOTALS	12,315	255

REMOVING SMALL PIPE CULVERTS & SURFACE DRAINS

STATION	DIR.	LOCATION	203.0100 REMOVING SMALL PIPE CULVERTS EACH	204.0190 REMOVING SURFACE DRAINS EACH
PROJECT 4160-05-71				
209+36	RT	CTH CE EB	---	1
		PROJECT TOTALS	0	1
PROJECT 4160-05-73				
408+91	RT	VAN ROY EB	1	---
410+34	RT	VAN ROY EB	1	---
408+78	LT	VAN ROY WB	1	---
409+58	LT	VAN ROY WB	1	---
		PROJECT TOTALS	4	0
		CONTRACT TOTALS	4	1

REMOVING CURB AND GUTTER

STATION TO STATION	DIR	LOCATION	204.0150 LF	REMARKS
PROJECT 4160-05-71				
306+75 - 307+36	LT & RT	EISENHOWER DR	231	
208+10 - 209+40	EB	CTH CE	130	WEST CROSSOVER
208+20 - 209+35	WB	CTH CE	115	WEST CROSSOVER
209+80 - 210+85	WB	CTH CE	105	WEST CROSSOVER
231+10 - 232+85	EB & WB	CTH CE	350	EAST CROSSOVER
		PROJECT TOTAL	931	
PROJECT 4160-05-73				
301+35 - 306+75	LT & RT	EISENHOWER DR	1,578	
403+80 - 409+06	LT & RT	VAN ROY RD	509	
-		PARKING LOTS/DRIVES	482	
		PROJECT TOTAL	2,569	
		CONTRACT TOTAL	3,500	

REMOVING CONCRETE SIDEWALK

STATION	DIR	LOCATION	204.0155 SY	REMARKS
PROJECT 4160-05-73				
304+00	LT	EISENHOWER DR SB	6	MASTERLUBE SIDEWALK
		PROJECT TOTAL	6	
		CONTRACT TOTAL	6	

REMOVING MASONRY, CONCRETE BASES, AND PULL BOXES

STATION	DIR.	LOCATION	204.0185 REMOVING MASONRY CY	204.0195 REMOVING CONCRETE BASES EACH	653.0905 REMOVING PULL BOXES EACH
PROJECT 4160-05-71					
215+23	LT	CTH CE EB	---	---	1
216+86	RT	CTH CE EB	---	---	1
218+12	RT	CTH CE EB	---	---	1
220+14	RT	CTH CE EB	---	1	---
221+49	LT	CTH CE EB	---	---	1
223+53	LT	CTH CE EB	---	---	1
10+01	LT	CE & EIS RA	---	1	1
10+66	RT	CE & EIS RA	---	1	---
10+85	LT	CE & EIS RA	---	---	1
11+02	LT	CE & EIS RA	---	1	---
11+32	RT	CE & EIS RA	---	---	1
11+41	RT	CE & EIS RA	---	1	---
11+66	LT	CE & EIS RA	---	1	1
11+66	RT	CE & EIS RA	---	---	1
12+01	RT	CE & EIS RA	---	1	---
12+25	RT	CE & EIS RA	---	1	---
12+37	RT	CE & EIS RA	---	---	1
12+43	LT	CE & EIS RA	---	---	1
12+56	RT	CE & EIS RA	---	1	---
13+03	RT	CE & EIS RA	---	1	1
13+42	RT	CE & EIS RA	---	1	1
13+45	RT	CE & EIS RA	---	1	---
13+55	RT	CE & EIS RA	---	1	---
13+71	RT	CE & EIS RA	---	---	1
13+98	RT	CE & EIS RA	---	1	1
14+30	RT	CE & EIS RA	---	1	---
14+32	RT	CE & EIS RA	---	---	1
14+35	RT	CE & EIS RA	---	---	1
307+00	RT	EISENHOWER NB	4*	---	---
307+27	LT	EISENHOWER SB	---	1	---
307+34	LT	EISENHOWER SB	---	1	---
307+36	RT	EISENHOWER NB	---	1	---
307+65	LT	EISENHOWER SB	---	1	---
311+29	RT	EISENHOWER SB	---	1	---
		PROJECT TOTALS	4	20	18

REMOVING MASONRY, CONCRETE BASES, AND PULL BOXES - CONT

STATION	DIR.	LOCATION	201.0185 REMOVING MASONRY CY	204.0195 REMOVING CONCRETE BASES EACH	653.0905 REMOVING PULL BOXES EACH
PROJECT 4160-05-73					
20+09	RT	EIS & VAN ROY RA	---	1	---
20+13	RT	EIS & VAN ROY RA	---	1	---
20+22	RT	EIS & VAN ROY RA	---	---	1
20+57	LT	EIS & VAN ROY RA	---	---	1
20+99	RT	EIS & VAN ROY RA	---	---	1
21+05	RT	EIS & VAN ROY RA	---	1	---
21+48	RT	EIS & VAN ROY RA	---	---	1
21+60	RT	EIS & VAN ROY RA	---	1	---
21+70	RT	EIS & VAN ROY RA	---	---	1
21+91	RT	EIS & VAN ROY RA	---	---	1
22+24	RT	EIS & VAN ROY RA	---	---	1
22+46	RT	EIS & VAN ROY RA	---	1	1
22+86	RT	EIS & VAN ROY RA	---	---	1
305+76	RT	EISENHOWER NB	---	1	---
408+96	LT	VAN ROY WB	---	1	---
		PROJECT TOTALS	0	7	9
		CONTRACT TOTALS	4	27	27

*FORMER COMMERCIAL SIGN BASE IN EXISTING MEDIAN

REMOVING STORM SEWER STRUCTURES

STATION	DIR	LOCATION	204.0210 REMOVING MANHOLES EACH	204.0220 REMOVING INLETS EACH
PROJECT 4160-05-71				
209+64	LT	CTH CE EB	---	1
211+88	LT	CTH CE EB	---	1
214+01	LT	CTH CE EB	---	1
221+91	RT	CTH CE EB	---	1
225+02	LT	CTH CE EB	---	1
214+01	RT	CTH CE WB	---	1
216+13	RT	CTH CE WB	---	1
221+79	RT	CTH CE WB	---	1
225+07	RT	CTH CE WB	---	1
228+38	RT	CTH CE WB	---	1
230+02	RT	CTH CE WB	---	1
10+07	LT	CE & EIS RA	---	1
12+91	RT	CE & EIS RA	---	1
12+99	RT	CE & EIS RA	---	1
13+07	RT	CE & EIS RA	---	1
14+30	RT	CE & EIS RA	---	1
307+44	RT	EISENHOWER NB	---	1
307+67	LT	EISENHOWER SB	---	1
		PROJECT TOTALS	0	18
PROJECT 4160-05-73				
301+36	RT	EISENHOWER NB	---	1
301+65	RT	EISENHOWER NB	---	1
305+51	RT	EISENHOWER NB	---	1
305+50	LT	EISENHOWER SB	---	1
20+31	RT	EIS & VAN ROY RA	---	1
20+85	RT	EIS & VAN ROY RA	---	1
21+17	RT	EIS & VAN ROY RA	1	---
21+22	RT	EIS & VAN ROY RA	---	1
		PROJECT TOTALS	1	7
		CONTRACT TOTALS	1	25

REMOVING STORM SEWER

STATION TO STATION	LOCATION	204.0245.01 12-INCH LF	204.0245.02 15-INCH LF	204.0245.03 18-INCH LF	204.0245.04 24-INCH LF	204.0245.05 30-INCH LF
PROJECT 4160-05-71						
201+92 - 231+75	CTH CE	270	220	430	145	150
	PROJECT TOTALS	270	220	430	145	150
PROJECT 4160-05-73						
300+75 - 306+75	EISENHOWER DR	370	0	130	0	0
	PROJECT TOTALS	370	0	130	0	0
	CONTRACT TOTALS	640	220	560	145	150

Division	From/To Station	Location	Common Excavation (1)	(item # 205.0100)	Salvaged/Unusable Pavement Material (4)	Available Material (5)	Unexpanded Fill	Expanded Fill (13)	Mass Ordinate +/- (14)	Waste	Borrow	Comment:
Project 4160-05-71			Cut (2)	EBS Excavation (3)				Factor 1.25			(item #208.0100)	
CE and Eisenhower RA	10+25/14+35		2,001	0	1,428	573	2,449	3,061	-2,488	0	-2,488	
CTH CE EB	209+40/231+75		6,807	235	1,357	5,450	2,340	2,926	2,525	2,525	0	
CTH CE WB	201+93/230+25		6,623	0	470	6,153	1,801	2,251	3,903	3,903	0	
Eisenhower NB (North)	306+75/312+50		706	0	187	519	4	5	514	514	0	
Eisenhower SB (North)	306+75/312+45		1,008	0	351	657	14	18	639	639	0	
West Crossover	208+20/210+85		500	0	0	500	0	0	500	500	0	
East Crossover	231+10/232+85		200	0	0	200	0	0	200	200	0	
WB CTH CE Widening	214+00/217+85		60	0	0	60	0	0	60	60	0	
EB CTH CE Temp. Asphalt	215+73/218+76		185	0	0	185	0	0	185	185	0	
Project Subtotal			18,090	235	3,793	14,298	6,609	8,261	6,037	8,525	-2,488	
Project 4160-05-73												
Eisenhower and Van Roy RA	20+00/22+96		529	0	0	529	811	1,014	-486	0	-486	
Eisenhower NB (South)	301+64/306+75		699	0	0	699	32	40	659	659	0	
Eisenhower SB (South)	301+64/306+75		882	0	0	882	10	12	869	869	0	
Van Roy EB	403+80/410+77		1,142	0	0	1,142	112	140	1,002	1,002	0	
Project Subtotal			3,251	0	0	3,251	965	1,206	2,045	2,531	-486	
Grand Total			21,342	235	3,793	17,549	7,573	9,467	8,083	11,056	-2,974	
Total Common Exc				21,577								

1) Common Excavation is the sum of the Cut and EBS Excavation columns. Item number 205.0100
2) Salvaged/Unsuable Pavement Material is included in Cut.
3) EBS Excavation to be backfilled with Base Aggregate Dense 3-Inch.
4) Salvaged/Unusable Pavement Material
5) Available Material = Cut - Salvaged/Unusuable Pavement Material
13) Expanded Fill. Factor = 1.25
Depending on selections: **Expanded Fill = (Unexpanded Fill - Rock* Rock Factor - Reduced Marsh - Reduced EBS) * Fill Factor**
Or Expanded Fill = (Unexpanded Fill - Rock* Rock Factor - Reduced EBS) * Fill Factor
Or Expanded Fill = (Unexpanded Fill - Rock* Rock Factor - Reduced Marsh) * Fill Factor
Or Expanded Fill = (Unexpanded Fill - Rock* Rock Factor) * Fill Factor
14) The Mass Ordinate + or - Qty calculated for the Division. Plus quantity indicates an excess of material within the Division. Minus indicates a shortage of material within the Division.

3

BASE AGGREGATE DENSE

STATION	TO	STATION	LOCATION	305.0110 BASE AGGREGATE DENSE 3/4-INCH TON	305.0120 BASE AGGREGATE DENSE 1 1/4-INCH TON	305.0130 BASE AGGREGATE DENSE 3-INCH TON	624.0100 WATER MGAL
PROJECT 4160-05-71 CATEGORY 0010							
209+40	-	215+80	CTH CE EASTBOUND	---	1,345	1,195	15
215+80	-	218+14	CTH CE EASTBOUND	195	765	660	10
220+26	-	226+08	CTH CE EASTBOUND	215	1,235	1,160	16
226+08	-	231+75	CTH CE EASTBOUND	215	550	475	7
201+93	-	212+80	CTH CE WESTBOUND	415	850	935	13
212+80	-	218+08	CTH CE WESTBOUND	185	1,055	985	13
220+28	-	230+15	CTH CE WESTBOUND	55	1,925	1,680	22
230+15	-	230+25	CTH CE WESTBOUND	5	25	15	0
306+75	-	307+55	EISENHOWER DR	60	335	285	4
310+09	-	312+52	EISENHOWER DR	85	720	610	8
---	-	---	CE & EISENHOWER RA	---	1,680	1,550	19
---	-	---	PARKING LOTS & DRIVES	---	205	---	1
---	-	---	CTH CE TRAIL	---	695	---	4
---	-	---	SIDEWALK	70	---	---	0
208+20	-	210+85	CTH CE WB WEST XOVER	---	250	405	4
231+10	-	232+85	CTH CE EB EAST XOVER	---	70	140	1
215+73	-	218+76	CTH CE EB TEMP ASPHALT	---	100	200	2
214+00	-	217+85	CTH CE WB TEMP WIDENING	---	175	350	3
---	-	---	EBS BACKFILL	---	---	470	0
---	-	---	UNDISTRIBUTED	100	120	235	5
			PROJECT TOTALS	1,600	12,100	11,350	150
PROJECT 4160-05-73 CATEGORY 0010							
301+19	-	301+64	EISENHOWER DR	---	50	---	0
301+64	-	303+98	EISENHOWER DR	55	705	650	8
305+48	-	306+75	EISENHOWER DR	40	430	375	5
403+80	-	405+67	VAN ROY RD	---	370	385	5
405+67	-	406+08	VAN ROY RD	20	100	90	1
407+84	-	408+38	VAN ROY RD	25	105	95	1
408+38	-	410+77	VAN ROY RD	15	375	375	5
---	-	---	VAN ROY & EISENHOWER RA	---	880	855	10
---	-	---	PARKING LOTS & DRIVES	---	1,115	---	7
---	-	---	SIDEWALK	105	---	---	1
---	-	---	TEMPORARY ACCESS	---	200	---	2
---	-	---	UNDISTRIBUTED	40	70	75	5
			PROJECT TOTALS	300	4,400	2,900	50
			CONTRACT TOTALS	1,900	16,500	14,250	200

3

CONCRETE PAVEMENT

STATION		TO STATION	LOCATION	405.0100 COLORING CONCRETE RED CY	415.0080 CONCRETE PAVEMENT 8-INCH SY	415.0100 CONCRETE PAVEMENT 10-INCH SY	416.0180 CONCRETE DRIVEWAY 8-INCH SY	SPV.0180.01 CONCRETE JOINT SEALING SY	416.0512 CONCRETE ROUNDABOUT TRUCK APRON 12-INCH SY	416.0610 DRILLED TIE BARS EACH	416.0620 DRILLED DOWEL BARS EACH	REMARKS
PROJECT 4160-05-71												
209+40	-	215+80	CTH CE EB	---	---	2,762	---	2,762	---	3	24	
215+80	-	218+14	CTH CE EB	---	---	1,435	---	1,435	---	---	---	
220+26	-	226+08	CTH CE EB	---	---	2,540	---	2,540	---	---	---	
201+93	-	212+80	CTH CE WB	---	---	1,451	---	1,451	---	435	8	
212+80	-	218+08	CTH CE WB	---	---	2,125	---	2,125	---	---	16	
220+28	-	230+15	CTH CE WB	---	---	3,599	---	3,599	---	---	---	
306+75	-	307+55	EISENHOWER DR	---	---	602	---	602	---	---	---	
310+09	-	312+52	EISENHOWER DR	---	---	1,267	---	1,267	---	4	32	
	-		CE/EISENHOWER RA	170	---	3,357	---	3,357	511	---	---	
208+10	-	209+40	CTH CE EB	---	---	---	---	---	---	52	---	WEST CROSSOVER
208+20	-	209+35	CTH CE WB	---	---	---	---	---	---	46	---	WEST CROSSOVER
209+80	-	210+85	CTH CE WB	---	---	---	---	---	---	42	---	WEST CROSSOVER
			PROJECT TOTALS	170	0	19,136	0	19,136	511	582	80	
PROJECT 4160-05-73												
301+64	-	303+98	EISENHOWER DR	---	1,411	---	---	1,411	---	---	---	
305+48	-	306+75	EISENHOWER DR	---	---	824	---	824	---	---	---	
405+67	-	406+08	VAN ROY RD	---	180	---	---	180	---	---	---	
407+84	-	408+38	VAN ROY RD	---	172	---	---	172	---	---	---	
	-		VAN ROY/EISEN RA	134	1,665	---	---	1,665	403	---	---	
	-		MOTOMART ENTRANCE	---	---	---	247	0	---	65	---	
			PROJECT TOTALS	134	3,429	824	247	4,253	403	65	0	
			CONTRACT TOTALS	304	3,429	19,960	247	23,389	914	647	80	

3

ASPHALTIC ITEMS

STATION TO STATION	DIR	LOCATION	455.0105 ASPHALTIC MATERIAL PG 58-28 TON	455.0605 TACK COAT GAL	460.1100 HMA PAVEMENT TYPE E-0.3 TON	460.1103 HMA PAVEMENT TYPE E-3 TON	465.0105 ASPHALTIC SURFACE TON	465.0120 ASPHALTIC SURFACE DRIVEWAYS & FIELD ENTRANCES TON	465.0125 ASPHALTIC SURFACE TEMPORARY TON	465.0310 ASPHALTIC CURB LF	465.0315 ASPHALTIC FLUMES SY	REMARKS
PROJECT 4160-05-71												
222+84 - 226+08	RT	CTH CE EB	1	8	22	---	---	---	---	---	---	
226+08 - 231+75	RT	CTH CE EB	11	50	---	207	---	---	---	---	---	
201+93 - 215+49	LT	CTH CE WB	5	32	91	---	---	---	---	---	---	
217+50 - 218+40	LT	CTH CE WB	---	13	---	---	32	---	---	---	---	
219+29 - 228+00	LT	CTH CE WB	---	71	---	---	175	---	---	---	---	
227+74 - 230+25	LT	CTH CE WB	3	15	36	11	---	---	---	---	10	
306+75 - 307+28	LT	EISENHOWER NB	---	25	---	---	---	82	---	---	---	
208+20 - 210+85	RT	CTH CE WB	---	---	---	---	---	---	176	---	---	WEST CROSSOVER
215+74 - 218+76	RT	CTH CE EB	---	---	---	---	---	---	126	---	---	TEMPORARY ASPHALT
231+10 - 232+85	LT	CTH CE EB	---	---	---	---	---	---	91	---	---	EAST CROSSOVER
214+00 - 217+85	LT	CTH CE WB	---	---	---	---	---	---	128	10	---	TEMPORARY WIDENING
NW QUAD CTH CE AND EISENHOWER INTERSECTION			---	---	---	---	---	---	8	---	---	ISLAND REMOVAL
231+10 - 232+85	LT&RT	CTH CE EB & WB	1	5	27	---	---	---	---	---	---	EAST CROSSOVER RESTOR
		PROJECT TOTALS	22	219	175	218	207	82	529	10	10	
PROJECT 4160-05-73												
301+19 - 301+64	LT & RT	EISENHOWER NB	4	19	---	69	---	---	---	---	---	
301+64 - 303+98	RT	EISENHOWER NB	---	5	---	---	---	17	---	---	---	
305+74 - 306+75	LT	EISENHOWER NB	---	37	---	---	---	121	---	---	---	
403+80 - 406+49	LT & RT	VAN ROY EB	13	109	---	238	---	148	2	---	---	TEMPORARY SIDEWALK
407+66 - 410+77	LT & RT	VAN ROY EB	11	90	---	204	---	116	---	---	10	
		PROJECT TOTALS	28	261	0	511	0	402	2	0	10	
		CONTRACT TOTALS	50	479	175	729	207	484	531	10	20	

3

CONCRETE CURB AND GUTTER

STATION TO STATION	DIR	LOCATION	601.0405 CONCRETE CURB & GUTTER 18-INCH TYPE A LF	SPV.0090.01 CONCRETE CURB & GUTTER 24-INCH TYPE A LF	SPV.0090.02 CONCRETE CURB & GUTTER 24-INCH TYPE D LF	601.0409 CONCRETE CURB & GUTTER 30-INCH TYPE A LF	601.0411 CONCRETE CURB & GUTTER 30-INCH TYPE D LF	601.0452 CONCRETE CURB & GUTTER INTEGRAL 30-INCH TYPE D LF	601.0557 CONCRETE CURB AND GUTTER 6-INCH SLOPED 36-INCH TYPE D LF	601.0580 CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE R LF	601.0600 CONCRETE CURB PEDESTRIAN LF	REMARKS
PROJECT 4160-05-71												
209+40 - 215+80	LT & RT	CTH CE EB	---	---	---	1,298	---	---	---	---	---	
215+80 - 218+73	LT & RT	CTH CE EB	---	---	---	722	---	261	---	---	183	
220+25 - 226+08	LT & RT	CTH CE EB	---	---	---	844	---	---	---	---	76	
212+80 - 218+09	LT & RT	CTH CE WB	---	---	---	783	---	---	---	---	---	
220+26 - 230+25	LT & RT	CTH CE WB	---	---	---	1,667	10	142	---	---	---	
306+75 - 307+72	LT & RT	EISENHOWER NB	---	---	---	225	---	68	---	---	55	
306+73 - 307+61	LT & RT	EISENHOWER SB	---	---	---	173	---	---	---	---	---	
310+08 - 312+52	LT & RT	EISENHOWER NB	---	---	---	481	---	---	---	---	65	
310+08 - 312+45	LT & RT	EISENHOWER SB	---	---	---	459	---	18	---	---	---	
-		CE/EISENHOWER RA	377	---	---	292	---	152	---	459	---	
-		PARKING LOT	---	---	---	---	124	---	---	---	---	
208+10 - 209+40	LT	CTH CE EB	---	---	---	130	---	---	---	---	---	WEST CROSSOVER
208+20 - 209+35	RT	CTH CE WB	---	---	---	115	---	---	---	---	---	WEST CROSSOVER
209+80 - 210+85	RT	CTH CE WB	---	---	---	105	---	---	---	---	---	WEST CROSSOVER
231+10 - 232+85	LT & RT	CTH CE EB AND EB	---	---	---	---	---	---	350	---	---	EAST CROSSOVER
		PROJECT TOTALS	377	0	0	7,294	134	641	350	459	379	
PROJECT 4160-05-73												
301+19 - 303+99	LT & RT	EISENHOWER NB	---	---	---	448	61	---	---	---	34	
301+43 - 304+02	LT & RT	EISENHOWER SB	---	---	---	458	26	---	---	---	---	
305+48 - 306+75	LT & RT	EISENHOWER NB	---	---	---	252	---	---	---	---	---	
305+48 - 306+73	LT & RT	EISENHOWER SB	---	---	---	232	---	---	---	---	---	
403+80 - 406+09	LT & RT	VAN ROY RD	---	---	---	162	370	---	---	---	22	
407+83 - 408+38	LT & RT	VAN ROY RD	---	---	---	200	372	---	---	---	31	
-		VAN ROY/EISEN RA	170	---	---	286	---	84	---	380	---	
-		PARKING LOTS/DRIVES	---	246	355	---	176	---	---	---	---	
		PROJECT TOTALS	170	246	355	2,038	1,005	84	0	380	87	
		CONTRACT TOTALS	547	246	355	9,332	1,139	725	350	839	465	

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CONCRETE SIDEWALK

STATION TO STATION	DIR	LOCATION	602.0405 4-INCH SF
PROJECT 4160-05-71			
215+80 - 218+73	RT	CTH CE EB	4,953
220+23 - 221+81	LT & RT	CTH CE EB	2,919
217+76 - 217+89	LT & RT	CTH CE WB	2,143
220+36 - 220+55	LT	CTH CE WB	58
306+75 - 307+99	LT & RT	EISENHOWER DR	2,895
310+06 - 312+93	LT & RT	EISENHOWER DR	3,544
		PROJECT TOTAL	16,512
PROJECT 4160-05-73			
301+40 - 304+46	LT & RT	EISENHOWER DR	4,860
305+02 - 306+75	LT & RT	EISENHOWER DR	2,565
405+69 - 406+11	LT & RT	VAN ROY RD	441
407+81 - 408+56	LT & RT	VAN ROY RD	977
		PROJECT TOTAL	8,843
		CONTRACT TOTAL	25,355

CURB RAMP DETECTABLE WARNING FIELD NATURAL PATINA

STATION	LOCATION	DIR	602.0515 SF
PROJECT 4160-05-71			
217+97	CTH CE EB	LT & RT	36
218+32	CTH CE EB TURN	RT	36
220+46	CTH CE EB	LT & RT	36
217+85	CTH CE WB	LT & RT	36
220+43	CTH CE WB	LT & RT	36
307+37	EISENHOWER NB	LT & RT	28
307+59	EISENHOWER NB TURN	RT	28
307+36	EISENHOWER SB	LT & RT	28
310+29	EISENHOWER NB	LT & RT	36
310+26	EISENHOWER SB	LT & RT	36
312+89	EISENHOWER SB	LT	8
		PROJECT TOTAL	344
PROJECT 4160-05-73			
301+49	EISENHOWER NB	LT	8
303+81	EISENHOWER NB	LT & RT	36
303+80	EISENHOWER SB	LT & RT	36
405+86	VAN ROY EB	LT & RT	36
408+01	VAN ROY EB	LT & RT	36
405+89	VAN ROY WB	LT & RT	36
407+98	VAN ROY WB	LT & RT	36
		PROJECT TOTAL	224
		CONTRACT TOTAL	568

STORM SEWER PIPE

STRUCTURE FROM	STRUCTURE TO	521.0115 CULVERT PIPE CORR. STEEL 15-INCH LF	SPV.0090.08 PVC SS PIPE PVC 10-INCH LF	608.0312 REIN. CONC. CLASS III 12-INCH LF	608.0315 REIN. CONC. CLASS III 15-INCH LF	608.0318 REIN. CONC. CLASS III 18-INCH LF	608.0321 REIN. CONC. CLASS III 21-INCH LF	608.0324 REIN. CONC. CLASS III 24-INCH LF	520.8000 CONCRETE COLLARS FOR PIPE EACH	REMARK
PROJECT 4160-05-71										
5.2	5.1	---	---	---	---	48	---	---	---	
5.1	5.0	---	---	---	---	14	---	---	---	
EXISTING	10.2	---	---	44	---	---	---	---	---	
10.2	10.1	---	---	39	---	---	---	---	---	
10.1	10.0	---	---	---	---	---	---	---	---	
10.4	10.0	---	---	---	---	---	---	12	---	
10.5	10.0	---	---	20	---	---	---	---	---	
15.5	15.4	---	---	---	---	---	48	---	---	
15.4	15.3	---	---	---	---	---	25	---	---	
15.3	15.2	---	---	---	---	---	---	30	---	
15.2	15.1	---	---	---	---	---	---	46	---	
15.1	15.0	---	---	---	---	---	---	17	---	
80.0	15.0	---	---	---	---	---	148	---	---	
20.6	20.5	---	---	106	---	---	---	---	---	
20.5	20.4	---	---	43	---	---	---	---	---	
20.4	20.3	---	---	---	18	---	---	---	---	
20.3	20.2	---	---	---	48	---	---	---	---	
20.2	20.1	---	---	---	---	33	---	---	---	
20.1	20.0	---	---	---	---	24	---	---	---	
20.0	21.0	---	---	---	---	---	10	---	---	
20.8	20.2	---	---	15	---	---	---	---	---	
20.7	20.0	---	---	15	---	---	---	---	---	
25.2	25.1	---	---	18	---	---	---	---	---	
25.1	25.0	---	---	---	134	---	---	---	---	
30.5	30.4	---	---	18	---	---	---	---	---	
30.4	30.3	---	---	11	---	---	---	---	---	
30.3	30.0	---	---	32	---	---	---	---	---	
30.2	30.1	---	---	28	---	---	---	---	---	
30.1	30.0	---	---	16	---	---	---	---	---	
30.0	25.0	---	---	---	---	98	---	---	---	
35.0	30.0	---	---	---	50	---	---	---	---	
25.0	50.0	---	---	---	---	---	---	265	---	
50.2	50.1	---	---	41	---	---	---	---	---	
50.1	50.0	---	---	7	---	---	---	---	---	
50.0	55.0	---	---	---	---	---	---	95	---	
55.2	55.1	---	---	39	---	---	---	---	---	
55.1	55.0	---	---	35	---	---	---	---	---	
55.0	60.0	---	---	---	---	---	---	124	---	
60.2	60.1	---	---	39	---	---	---	---	---	
60.1	60.0	---	---	44	---	---	---	---	---	
60.0	61.0	---	---	---	---	---	---	65	---	
65.3	65.2	---	---	38	---	---	---	---	---	
65.2	65.0	---	---	35	---	---	---	---	---	
65.1	65.0	---	---	14	---	---	---	---	---	
65.0	66.0	---	---	---	61	---	---	---	---	
EXISTING	70.1	---	---	7	---	---	---	---	1	
70.1	70.0	---	---	46	---	---	---	---	---	
EXISTING	75.1	---	---	5	---	---	---	---	1	
75.1	75.0	---	---	53	---	---	---	---	---	
EXISTING	80.1	36	---	---	---	---	---	---	---	MIN. THICKNESS 0.064", 45° BEND REQ'D
	PROJECT TOTALS	36	0	808	311	217	231	654	2	

STORM SEWER PIPE - CONT

STRUCTURE FROM	STRUCTURE TO	521.0115 CULVERT PIPE CORR. STEEL 15-INCH LF	SPV.0090.08 PVC SS PIPE PVC 10-INCH LF	608.0312 REIN. CONC. CLASS III 12-INCH LF	608.0315 REIN. CONC. CLASS III 15-INCH LF	608.0318 REIN. CONC. CLASS III 18-INCH LF	608.0321 REIN. CONC. CLASS III 21-INCH LF	608.0324 REIN. CONC. CLASS III 24-INCH LF	520.8000 CONCRETE COLLARS FOR PIPE EACH	REMARK
PROJECT 4160-05-73										
35.2	35.1	---	---	22	---	---	---	---	---	
35.1	35.0	---	---	125	---	---	---	---	---	
35.3	35.0	---	---	14	---	---	---	---	---	
35.0	30.0	---	---	---	149	---	---	---	---	
40.5	40.4	---	---	7	---	---	---	---	---	
40.4	40.3	---	---	29	---	---	---	---	---	
40.3	EXISTING	---	---	49	---	---	---	---	---	
40.2	EXISTING	---	4	---	---	---	---	---	1	
	PROJECT TOTALS	0	4	246	149	0	0	0	1	
	CONTRACT TOTALS	36	4	1,054	460	217	231	654	3	

STORM SEWER STRUCTURES

STR NUMBER	STATION	DIST.	DIR	STR TYPE	520.1015 APRON ENDWALL FOR CULVERT EACH	522.1012 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 12-INCH EACH	522.1015 15-INCH EACH	522.1018 18-INCH EACH	522.1021 21-INCH EACH	522.1024 24-INCH EACH	SPV.0060.09 INLETS 2x2.5-FT SPECIAL EACH	611.3230 INLETS 2x3-FT EACH	611.3902 INLETS MEDIAN 2 GRATE EACH	611.0624 INLET COVERS TYPE H EACH	611.0639 INLET COVERS TYPE H-S EACH	611.0642 INLET COVERS TYPE MS EACH	611.0652 INLET COVERS TYPE T EACH	611.2004 MANHOLES 4-FT EACH	611.2005 MANHOLES 5-FT EACH	611.2006 MANHOLES 6-FT EACH	611.0530 MANHOLE COVERS TYPE J EACH	611.8115 ADJUSTING INLET COVERS EACH	633.5200 MARKERS CULVERT END EACH
PROJECT 4160-05-71																							
5.0	209+36	51.3	RT	AEW	---	---	---	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1
5.1	209+36	37.5	RT	INL	---	---	---	---	---	---	---	1	---	1	---	---	---	---	---	---	---	---	---
5.2	209+64	1.5	LT	INL	---	---	---	---	---	---	---	1	---	1	---	---	---	---	---	---	---	---	---
10.0	211+66	70.2	RT	MH	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1	1	---	---
10.1	211+75	37.5	RT	INL	---	---	---	---	---	---	---	1	---	1	---	---	---	---	---	---	---	---	---
10.2	211+75	1.5	LT	INL	---	---	---	---	---	---	---	1	---	1	---	---	---	---	---	---	---	---	---
10.4	211+55	66.7	RT	AEW	---	---	---	---	1	---	---	---	---	---	---	---	---	---	---	---	---	---	1
10.5	211+86	73.8	RT	AEW	---	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1
15.0	214+99	60.8	RT	MH	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1	1	---	---
15.1	214+95	44.6	RT	INL	---	---	---	---	---	---	---	1	---	1	---	---	---	---	---	---	---	---	---
15.2	215+00	1.5	LT	INL	---	---	---	---	---	---	---	1	---	1	---	---	---	---	---	---	---	---	---
15.3	215+08	30.5	LT	INL	---	---	---	---	---	---	---	---	1	---	---	2	---	---	---	---	---	---	1
15.4	215+00	1.5	RT	INL	---	---	---	---	---	---	---	1	---	1	---	---	---	---	---	---	---	---	---
15.5	215+00	47.0	LT	AEW	---	---	---	---	1	---	---	---	---	---	---	---	---	---	---	---	---	---	1
20.0	216+82	94.9	RT	MH	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
20.1	217+24	79.7	RT	INL	---	---	---	---	---	---	---	1	---	1	---	---	---	---	---	---	---	---	---
20.2	217+17	46.7	RT	INL	---	---	---	---	---	---	---	1	---	---	1	---	---	---	---	---	---	---	---
20.3	217+12	1.5	LT	INL	---	---	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---
20.4	216+83	1.5	RT	INL	---	---	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---
20.5	217+00	37.7	LT	INL	---	---	---	---	---	---	---	1	---	---	1	---	---	---	---	---	---	---	---
20.6	218+08	42.4	LT	INL	---	---	---	---	---	---	---	1	---	1	---	---	---	---	---	---	---	---	---
20.7	217+21	98.0	RT	INL	---	---	---	---	---	---	---	1	---	---	1	---	---	---	---	---	---	---	---
20.8	216+96	45.8	RT	INL	---	---	---	---	---	---	---	1	---	1	---	---	---	---	---	---	---	---	---
21.0	216+66	102.7	RT	AEW	---	---	---	---	1	---	---	---	---	---	---	---	---	---	---	---	---	---	1
25.0	14+09	19.5	LT	MH	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1	1	---	---
25.1	11+74	1.7	LT	INL	---	---	---	---	---	---	1	---	---	---	---	---	1	---	---	---	---	---	---
25.2	11+55	1.7	LT	INL	---	---	---	---	---	---	1	---	---	---	---	---	1	---	---	---	---	---	---
30.0	307+25	1.5	LT	MH	---	---	---	---	---	---	---	---	---	---	1	---	---	---	1	---	---	---	---
30.1	307+22	1.5	RT	INL	---	---	---	---	---	---	---	1	---	---	1	---	---	---	---	---	---	---	---
30.2	307+20	26.1	LT	INL	---	---	---	---	---	---	---	1	---	---	1	---	---	---	---	---	---	---	---
30.3	307+24	30.0	RT	INL	---	---	---	---	---	---	---	1	---	---	1	---	---	---	---	---	---	---	---
30.4	307+12	36.3	RT	INL	---	---	---	---	---	---	---	1	---	---	1	---	---	---	---	---	---	---	---
30.5	307+08	54.1	RT	INL	---	---	---	---	---	---	---	1	---	---	1	---	---	---	---	---	---	---	---
50.0	222+07	9.2	LT	MH	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1	---	1	---	---
50.1	222+07	1.5	LT	INL	---	---	---	---	---	---	---	1	---	---	1	---	---	---	---	---	---	---	---
50.2	222+07	39.0	RT	INL	---	---	---	---	---	---	---	1	---	---	1	---	---	---	---	---	---	---	---
55.0	223+01	12.5	LT	MH	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1	---	1	---	---
55.1	223+00	1.5	RT	INL	---	---	---	---	---	---	---	1	---	1	---	---	---	---	---	---	---	---	---
55.2	223+00	37.5	LT	INL	---	---	---	---	---	---	---	1	---	1	---	---	---	---	---	---	---	---	---
60.0	224+25	12.5	LT	MH	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1	---	1	---	---
60.1	224+25	1.5	RT	INL	---	---	---	---	---	---	---	1	---	1	---	---	---	---	---	---	---	---	---
60.2	224+25	37.5	LT	INL	---	---	---	---	---	---	---	1	---	1	---	---	---	---	---	---	---	---	---
61.0	224+46	48.6	RT	AEW	---	---	---	---	---	1	---	---	---	---	---	---	---	---	---	---	---	---	1
65.0	225+42	12.5	LT	MH	---	---	---	---	---	---	---	---	---	---	---	---	---	1	---	---	1	---	---
65.1	225+30	5.5	LT	INL	---	---	---	---	---	---	---	1	---	1	---	---	---	---	---	---	---	---	---
65.2	225+44	1.5	RT	INL	---	---	---	---	---	---	---	1	---	---	1	---	---	---	---	---	---	---	---
65.3	225+44	36.8	LT	INL	---	---	---	---	---	---	---	1	---	---	1	---	---	---	---	---	---	---	---
66.0	225+43	48.5	RT	AEW	---	---	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1
70.0	228+37	44.1	LT	AEW	---	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1
70.1	228+38	1.5	RT	INL	---	---	---	---	---	---	---	1	---	1	---	---	---	---	---	---	---	---	---
75.0	230+05	47.7	LT	AEW	---	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1
75.1	230+05	5.5	RT	INL	---	---	---	---	---	---	---	1	---	---	1	---	---	---	---	---	---	---	---
80.0	216+23	96.1	RT	AEW	---	---	---	---	1	---	---	---	---	---	---	---	---	---	---	---	---	---	1
80.1	200+59	67.6	RT	AEW	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1
				PROJECT TOTALS	1	3	1	1	4	1	2	29	1	16	16	2	2	1	4	3	7	0	12

STORM SEWER STRUCTURES - CONT

STR NUMBER	STATION	DIST.	DIR	STR TYPE	520.1015 APRON ENDWALL FOR CULVERT EACH	522.1012 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 12-INCH EACH	522.1015 15-INCH EACH	522.1018 18-INCH EACH	522.1024 24-INCH EACH	522.1030 30-INCH EACH	SPV.0060.09 INLETS 2x2.5-FT SPECIAL EACH	611.3230 INLETS 2x3-FT EACH	611.3902 INLETS MEDIAN 2 GRATE EACH	611.0624 INLET COVERS TYPE H EACH	611.0639 INLET COVERS TYPE H-S EACH	611.0642 INLET COVERS TYPE MS EACH	611.0652 INLET COVERS TYPE T EACH	611.2004 MANHOLES 4-FT EACH	611.2005 MANHOLES 5-FT EACH	611.2006 MANHOLES 6-FT EACH	611.0530 MANHOLE COVERS TYPE J EACH	611.8115 ADJUSTING INLET COVERS EACH	633.5200 MARKERS CULVERT END EACH
PROJECT 4160-05-73																							
35.0	22+03	1.7	LT	INL	---	---	---	---	---	---	1	---	---	---	---	---	1	---	---	---	---	---	---
35.1	405+71	1.5	LT	INL	---	---	---	---	---	---	---	1	---	1	---	---	---	---	---	---	---	---	---
35.2	405+64	19.1	RT	INL	---	---	---	---	---	---	---	1	---	1	---	---	---	---	---	---	---	---	---
35.3	21+88	1.7	LT	INL	---	---	---	---	---	---	1	---	---	---	---	---	1	---	---	---	---	---	---
40.2	301+36	66.6	RT	INL	---	---	---	---	---	---	---	1	---	---	1	---	---	---	---	---	---	---	---
40.3	301+66	25.5	RT	INL	---	---	---	---	---	---	---	1	---	1	---	---	---	---	---	---	---	---	---
40.4	301+77	1.5	LT	INL	---	---	---	---	---	---	---	1	---	1	---	---	---	---	---	---	---	---	---
40.5	301+77	12.5	RT	INL	---	---	---	---	---	---	---	1	---	1	---	---	---	---	---	---	---	---	---
45.2	301+64	25.1	LT	EX INL	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1	---
				PROJECT TOTALS	0	0	0	0	0	0	2	6	0	5	1	0	2	0	0	0	0	1	0
				CONTRACT TOTALS	1	3	1	1	4	1	4	35	1	21	17	2	4	1	4	3	7	13	12

GENERAL NOTES: LOCATION FOR INLETS AND MANHOLES REFERS TO THE CENTER OF STRUCTURE
LOCATION FOR APRON ENDWALLS REFERS TO THE END OF PIPE/ BEGINNING OF ENDWALL
ELEVATIONS (ON STORM SEWER PLAN SHEETS) REFER TO THE CENTER OF STRUCTURE FOR MANHOLES AND INLETS
ADD 0.09' TO CENTER OF INLET ELEVATION FOR FLANGELINE ELEVATION
STRUCTURE DEPTH (ON STORM SEWER PLAN SHEETS) EQUALS THE RIM/FLANGE ELEVATION MINUS THE INVERT ELEVATION
INVERTS OF EXISTING PIPE AND STRUCTURES SHOULD BE VERIFIED BY THE CONTRACTOR AND APPROVED
BY THE ENGINEER PRIOR TO ORDERING THE STRUCTURE

SPECIAL NOTES: 1. FLAT TOP REQUIRED ON MH
* ADDITIONAL QUANTITIES SHOWN ELSEWHERE
** FOR INFORMATION ONLY

COVER PLATES TEMPORARY AND SALVAGED INLET COVERS

STATION	DIR	LOCATION	611.8120.S COVER PLATE TEMPORARY EA	611.9710 SALVAGED INLET COVERS EA	REMARKS
PROJECT 4160-05-71					
209+64	17' LT	CTH CE EB	1	---	EXISTING MEDIAN INLET
215+00	1.5' RT	CTH CE WB	1	---	PROPOSED INLET 15.4
217+24	80' RT	CTH CE EB	1	---	PROPOSED INLET 20.1
218+69	8' LT	CTH CE WB	1	---	EXISTING PULLBOX
231+60	5' LT	CTH CE EB	1	1	EXISTING INLET
231+63	5' RT	CTH CE WB	1	1	EXISTING INLET
		PROJECT TOTALS	6	2	
		CONTRACT TOTALS	6	2	

PIPE UNDERDRAIN

STATION TO STATION	DIR	LOCATION	612.0106 PIPE UNDERDRAIN 6-INCH LF	SPV.0090.07 PIPE UNDERDRAIN UNPERFORATED TEMPORARY 8-INCH LF	310.0115 BASE AGGREGATE OPEN GRADED CY	645.0111 GEOTEXTILE FABRIC TYPE DF SCHEDULE A SY	REMARKS
PROJECT 4160-05-71							
214+00 - 216+25	RT	CTH CE EB	---	220	---	---	TAP EX INLETS
11+50 - 11+80	LT	CE/EISENHOWER RA	30	---	1.1	17	
		PROJECT TOTALS	30	220	1.1	17	
PROJECT 4160-05-73							
21+80 - 22+10	LT	VAN ROY/EISEN RA	30	---	1.1	17	
		PROJECT TOTALS	30	0	1.1	17	
		CONTRACT TOTALS	60	220	2.2	33	

CONCRETE MEDIAN SLOPED NOSE

STATION	LOCATION	DIR	620.0300 SF	REMARKS
PROJECT 4160-05-71				
215+80	CTH CE EB	RT	60	TYPE 1
218+16	CTH CE EB	LT	17	TYPE 2
218+73	CTH CE EB	RT	14	TYPE 2
220+24	CTH CE EB	LT	20	TYPE 2
218+10	CTH CE WB	RT	20	TYPE 2
220+26	CTH CE WB	RT	17	TYPE 2
306+99	EISENHOWER NB	RT	50	TYPE 1
307+57	EISENHOWER NB	LT	17	TYPE 2
307+72	EISENHOWER NB	RT	14	TYPE 2
310+06	EISENHOWER NB	LT	20	TYPE 2
307+62	EISENHOWER SB	RT	20	TYPE 2
310+07	EISENHOWER SB	RT	17	TYPE 2
PROJECT TOTAL			287	
PROJECT 4160-05-73				
301+75	EISENHOWER NB	LT	42	TYPE 1
304+00	EISENHOWER NB	LT	18	TYPE 2
305+46	EISENHOWER NB	LT	20	TYPE 2
304+03	EISENHOWER SB	RT	20	TYPE 2
305+47	EISENHOWER SB	RT	17	TYPE 2
405+69	VAN ROY EB	LT	60	TYPE 1
406+11	VAN ROY EB	LT	18	TYPE 2
407+81	VAN ROY EB	LT	20	TYPE 2
408+36	VAN ROY EB	LT	60	TYPE 1
406+12	VAN ROY WB	RT	15	TYPE 2
407+78	VAN ROY WB	RT	18	TYPE 2
PROJECT TOTAL			305	
CONTRACT TOTAL			592	

LANDSCAPING ITEMS

STATION TO STATION			LOCATION	625.0100 TOPSOIL SY	625.0105 TOPSOIL CY	628.2004 EROSION MAT CLASS I TYPE B SY	628.2006 EROSION MAT URBAN CLASS I TYPE A SY	629.0210 FERTILIZER TYPE B CWT	630.0130 SEEDING MIXTURE NO. 30 LB	630.0140 SEEDING MIXTURE NO. 40 LB	630.0200 SEEDING TEMP. LB	SPV.0180.02 SHREDDED HARDWOOD BARK MULCH SY
PROJECT 4160-05-71												
209+32	-	231+75	CTH CE EB RT	5,510	---	800	4,710	3.5	33	66	74	---
208+00	-	233+00	CTH CE WB MEDIAN	6,470	---	---	6,470	4.1	---	116	87	---
201+93	-	230+25	CTH CE WB LT	10,780	---	770	10,010	6.8	71	123	145	---
306+75	-	312+52	EISENHOWER DR	1,390	---	---	1,390	0.9	---	25	19	---
---	-	---	CTH CE & EIS RA	240	329	---	240	0.1	---	4	3	987
			UNDISTRIBUTED	4,880	---	320	4,560	3.7	21	66	71	---
			PROJECT TOTALS	29,270	329	1,890	27,380	19.0	125	400	400	987
PROJECT 4160-05-73												
301+19	-	306+75	EISENHOWER DR	810	---	---	810	0.5	---	15	11	---
403+80	-	410+77	VAN ROY RD	1,240	---	90	1,150	0.8	3	19	17	---
---	-	---	EIS & VAN ROY RA	100	45	---	100	0.1	---	2	1	135
			UNDISTRIBUTED	430	---	20	410	0.7	2	10	6	---
			PROJECT TOTALS	2,580	45	110	2,470	2.0	5	45	35	135
			CONTRACT TOTALS	31,850	374	2,000	29,850	21.0	130	445	435	1,122

EROSION CONTROL ITEMS

STATION TO STATION			LOCATION	628.1504 SILT FENCE LF	628.1520 SILT FENCE MAINT LF	628.1905 MOB. EROSION CONTROL EA	628.1910 MOB. EROSION CONTROL EMERGENCY EA	628.7005 INLET PROTECT. TYPE A EACH	628.7015 INLET PROTECT. TYPE C EACH	628.7020 INLET PROTECT. TYPE D EACH	628.7504 TEMP. DITCH CHECKS LF	628.7555 CULVERT PIPE CHECKS EACH
PROJECT 4160-05-71												
209+32	-	231+75	CTH CE EB	400	400	2	1	17	15	---	30	12
201+93	-	230+25	CTH CE WB	1,100	1,100	2	1	14	14	---	20	10
306+75	-	312+52	EISENHOWER DR	---	---	2	1	6	6	---	---	---
---	-	---	CTH CE & EIS. RA	---	---	2	1	2	---	2	---	---
			UNDISTRIBUTED	300	300	---	---	8	7	0	10	4
			PROJECT TOTALS	1,800	1,800	8	4	47	42	2	60	26
PROJECT 4160-05-73												
301+19	-	306+75	EISENHOWER DR	---	---	2	1	6	7	---	---	---
403+80	-	410+77	VAN ROY RD	---	---	2	1	2	2	---	20	---
---	-	---	EIS & VAN ROY RA	---	---	2	1	2	---	2	---	---
			UNDISTRIBUTED	100	100	---	---	2	2	0	10	4
			PROJECT TOTALS	100	100	6	3	12	11	2	30	4
			CONTRACT TOTALS	1,900	1,900	14	7	59	53	5	90	30

PERMANENT SIGNS TYPE II AND SIGN SUPPORTS

SIGN NO.	STATION	REFERENCE LINE	FACE DIR.	SIGN CODE	SIGN SIZE	DESCRIPTION	SIGN W X H IN X IN	ASSEMBLY NO.	ASSEMBLY WIDTH IN	ASSEMBLY HEIGHT IN	634.0614 POSTS WOOD 4 X 6-INCH 14 FT EACH	634.0616 POSTS WOOD 4 X 6-INCH 16 FT EACH	634.0618 POSTS WOOD 4 X 6-INCH 18 FT EACH	637.2210 SIGNS TYPE II REFLECTIVE H SF	637.2230 SIGNS TYPE II REFLECTIVE F SF	REMARKS
PROJECT 4160-05-71																
100	201+50 , LT	CTH CE wB	WB	R3-7R	2M	RIGHT LANE MUST TURN RIGHT	30 X 30				---	1	---	6.25	---	40 MPH
101	202+75 , LT	CTH CE EB	EB	R2-1	2M	SPEED LIMIT	30 X 36				---	1	---	7.50	---	40 MPH
200	205+75 LT	CTH CE WB	WB	R3-7R	2M	RIGHT LANE MUST TURN RIGHT	30 X 30				---	1	---	6.25	---	
201	206+75 , LT	CTH CE WB	WB	W3-3	2M	SIGNAL AHEAD	36 X 36				---	1	---	---	9.00	
202	208+60 , LT	CTH CE EB	NB	R6-2R	2M	ONE WAY	30 X 36				---	1	---	7.50	---	
203	210+25 , LT	CTH CE WB	WB	M2-1	2	JCT	21 X 15	J1-1	24.00	39.00	---	1	---	6.50	---	
				M1-6	2	STATE ROUTE MARKER	24 X 24				---	---	---	---	---	
204	210+25 , RT	CTH CE WB	WB	M2-1	2	JCT	21 X 15	J1-1	24.00	39.00	---	1	---	6.50	---	
				M1-6	2	STATE ROUTE MARKER	24 X 24				---	---	---	---	---	
205	211+61 , LT	CTH CE EB	EB	W2-6	3	ROUNDABOUT AHEAD	36 X 36				---	---	1	---	9.00	
				W13-1	3	15 MPH	24 X 24				---	---	---	---	4.00	
206	211+61 , RT	CTH CE EB	EB	W2-6	3	ROUNDABOUT AHEAD	36 X 36				---	---	1	---	9.00	
				W13-1	3	15 MPH	24 X 24				---	---	---	---	4.00	
301	215+35 , RT	CTH CE EB	EB	R3-6XL	2	LANE CONTROL	42 X 48				---	1	---	14.00	---	OVERHEAD SIGN STRUCTURE
302	215+35 , RT	CTH CE EB	EB	R3-5A	2M	LANE CONTROL	42 X 48				---	1	---	14.00	---	OVERHEAD SIGN STRUCTURE
303	215+35 , RT	CTH CE EB	EB	R3-5A	2M	LANE CONTROL	42 X 48				---	1	---	14.00	---	OVERHEAD SIGN STRUCTURE
304	215+35 , RT	CTH CE EB	EB	R3-5R	2M	LANE CONTROL	42 X 48				---	1	---	14.00	---	OVERHEAD SIGN STRUCTURE
305	215+85 , RT	CTH CE EB	EB	W12-1D	2M	DOUBLE DIAGONAL ARROW	24 X 24				1	---	---	---	4.00	
306	215+25 , LT	CTH CE WB	WB	R2-1	2M	SPEED LIMIT	30 X 36				---	1	---	7.50	---	40 MPH
307	215+25 , RT	CTH CE WB	WB	R2-1	2M	SPEED LIMIT	30 X 36				---	1	---	7.50	---	40 MPH
402	97+66 , LT	CTH CE EB RT BYPASS	EB	R1-2	2M	YIELD	36 X 31				---	1	---	3.88	---	
				R1-54	2M	TO TRAFFIC FROM LEFT	24 X 15				---	---	---	2.50	---	
404	218+11 , LT	CTH CE EB	EB	R1-2	2M	YIELD	36 X 31				---	---	1	3.88	---	
				R6-2R	2S	ONE WAY	24 X 30				---	---	---	5.00	---	
405	218+04 , RT	CTH CE WB	WB	D1-1		DESTINATION DIRECTION	36 X 18				1	---	---	4.50	---	COUNTY CE
407	33+43 , LT	CE NW QUAD	SB	R1-2	2M	YIELD	36 X 31				---	1	---	3.88	---	
				R1-54	2M	TO TRAFFIC FROM LEFT	24 X 15				---	---	---	2.50	---	
408	310+14 , RT	EISENHOWER SB	SB	R1-2	2M	YIELD	36 X 31				---	---	1	3.88	---	
	,			R6-2R	2S	ONE WAY	24 X 30				---	---	---	5.00	---	
409	310+12 , LT	EISENHOWER NB	NB	D1-1		DESTINATION DIRECTION	78 X 15				2	---	---	8.13	---	EISENHOWER DR
410	310+20 , RT	EISENHOWER NB	NB	W11-15	2M	BICYCLE PEDESTRIAN CROSSING	36 X 36				---	---	1	---	9.00	
				W16-17L	2M	DIAGONAL ARROW	30 X 18				---	---	---	---	3.75	
411	220+09 , LT	CTH CE WB	WB	R1-2	2M	YIELD	36 X 31				---	1	---	3.88	---	
				R1-54	2M	TO TRAFFIC FROM LEFT	24 X 15				---	---	---	2.50	---	
413	13+07 , LT	CTH CE/EISENHOWER RA	EB	R6-1R	2M	ONE WAY	54 X 18				2	---	---	6.75	---	
				R6-4B	2M	ROUNDABOUT CHEVRON	60 X 24				---	---	---	10.00	---	MOUNTING HEIGHT = 4'3" TO BOTTOM
											PROJECT 4160-05-71 PAGE SUBTOTALS					
											6	16	5	177.78	51.75	

PERMANENT SIGNS TYPE II AND SIGN SUPPORTS CONTINUED

SIGN NO.	STATION	REFERENCE LINE	FACE DIR.	SIGN CODE	SIGN SIZE	DESCRIPTION	SIGN W X H IN X IN	ASSEMBLY NO.	ASSEMBLY WIDTH IN	ASSEMBLY HEIGHT IN	634.0614 POSTS WOOD 4 X 6-INCH 14 FT EACH	634.0616 POSTS WOOD 4 X 6-INCH 16 FT EACH	634.0618 POSTS WOOD 4 X 6-INCH 18 FT EACH	637.2210 SIGNS TYPE II REFLECTIVE H SF	637.2230 SIGNS TYPE II REFLECTIVE F SF	REMARKS
PROJECT 4160-05-71																
414	11+89 , LT	CTH CE/EISENHOWER RA	SB	R6-1R	2M	ONE WAY	54 X 18				2	---	---	6.75	---	
				R6-4B	2M	ROUNDABOUT CHEVRON	60 X 24				---	---	---	10.00	---	MOUNTING HEIGHT = 4'3" TO BOTTOM
415	10+58 , LT	CTH CE/EISENHOWER RA	WB	R6-1R	2M	ONE WAY	54 X 18				2	---	---	6.75	---	
				R6-4B	2M	ROUNDABOUT CHEVRON	60 X 24				---	---	---	10.00	---	MOUNTING HEIGHT = 4'3" TO BOTTOM
416	14+10 , LT	CTH CE/EISENHOWER RA	NB	R6-1R	2M	ONE WAY	54 X 18				2	---	---	6.75	---	
				R6-4B	2M	ROUNDABOUT CHEVRON	60 X 24				---	---	---	10.00	---	MOUNTING HEIGHT = 4'3" TO BOTTOM
417	38+21 , RT	CTH CE SW QUAD	EB	R1-2	2M	YIELD	36 X 31				---	1	---	3.88	---	
				R1-54	2M	TO TRAFFIC FROM LEFT	24 X 15				---	---	---	2.50	---	
419	307+58 , RT	EISENHOWER SB	SB	D1-1		DESTINATION DIRECTION	78 X 15				2	---	---	8.13	---	EISENHOWER DR
420	307+52 , LT	EISENHOWER NB	NB	R1-2	2M	YIELD	36 X 31				---	---	1	3.88	---	
				R6-2R	2S	ONE WAY	24 X 30				---	---	---	5.00	---	
421	307+65 , RT	EISENHOWER NB	NB	R1-2	2M	YIELD	36 X 31				---	1	---	3.88	---	
				R1-54	2M	TO TRAFFIC FROM LEFT	24 X 15				---	---	---	2.50	---	
422	307+09 , RT	EISENHOWER NB	NB	W12-1D	2M	DOUBLE DIAGONAL ARROW	24 X 24				1	---	---	---	4.00	
424	307+70 , RT	EISENHOWER NB	NB	R1-2	2M	YIELD	36 X 31				---	1	---	3.88	---	
				R1-54	2M	TO TRAFFIC FROM LEFT	24 X 15				---	---	---	2.50	---	
426	220+29 , LT	CTH CE EB	EB	D1-1		DESTINATION DIRECTION	36 X 18				1	---	---	4.50	---	COUNTY CE
427	220+30 , RT	CTH CE WB	WB	R1-2	2M	YIELD	36 X 31				---	---	1	3.88	---	
				R6-2R	2S	ONE WAY	24 X 30				---	---	---	5.00	---	
501	222+00 , RT	CTH CE EB	EB	R2-1	2M	SPEED LIMIT	30 X 36				---	1	---	7.50	---	40 MPH
502	220+00 , LT	CTH CE EB	EB	R2-1	2M	SPEED LIMIT	30 X 36				---	1	---	7.50	---	40 MPH
503	221+96 , LT	CTH CE WB	WB	R3-6XL	2	LANE CONTROL	42 X 48				---	1	---	14.00	---	OVERHEAD SIGN STRUCTURE
504	221+96 , LT	CTH CE WB	WB	R3-5A	2M	LANE CONTROL	42 X 48				---	1	---	14.00	---	OVERHEAD SIGN STRUCTURE
505	221+96 , LT	CTH CE WB	WB	R3-6R	2M	LANE CONTROL	42 X 48				---	1	---	14.00	---	OVERHEAD SIGN STRUCTURE
506	223+95 , RT	CTH CE EB	EB	W4-2R	2M	LANE ENDS	36 X 36				---	1	---	---	9.00	OVERHEAD SIGN STRUCTURE
507	226+80 , LT	CTH CE WB	WB	W2-6	3	ROUNDABOUT AHEAD	36 X 36				---	---	1	---	9.00	
				W13-1	3	15 MPH	24 X 24				---	---	---	---	4.00	
508	226+80 , RT	CTH CE WB	WB	W2-6	3	ROUNDABOUT AHEAD	36 X 36				---	---	1	---	9.00	
				W13-1	3	15 MPH	24 X 24				---	---	---	---	4.00	
601	231+00 , RT	CTH CE EB	EB	W3-3	2M	SIGNAL AHEAD	36 X 36				---	1	---	---	9.00	
801	310+42 , LT	EISENHOWER SB	SB	W11-15	2M	BICYCLE PEDESTRIAN CROSSING	36 X 36				---	---	1	---	9.00	
				W16-17L	2M	DIAGONAL ARROW	30 X 18				---	---	---	---	3.75	
802	311+44 , RT	EISENHOWER NB	NB	R2-1	2S	SPEED LIMIT	24 X 30				---	1	---	5.00	---	25 MPH
803	315+07 , LT	EISENHOWER SB	SB	W2-6	2	ROUNDABOUT AHEAD	30 X 30				---	1	---	---	6.25	
				W13-1	2	15 MPH	18 X 18				---	---	---	---	2.25	
						PROJECT 4160-05-71 PAGE SUBTOTALS					10	12	5	161.78	69.25	
						PROJECT 4160-05-71 SUBTOTALS					16	28	10	339.55	121.00	

PERMANENT SIGNS TYPE II AND SIGN SUPPORTS CONTINUED

SIGN NO.	STATION	REFERENCE LINE	FACE DIR.	SIGN CODE	SIGN SIZE	DESCRIPTION	SIGN W X H IN X IN	ASSEMBLY NO.	ASSEMBLY WIDTH IN	ASSEMBLY HEIGHT IN	634.0614 POSTS WOOD 4 X 6-INCH 14 FT EACH	634.0616 POSTS WOOD 4 X 6-INCH 16 FT EACH	634.0618 POSTS WOOD 4 X 6-INCH 18 FT EACH	637.2210 SIGNS TYPE II REFLECTIVE H SF	637.2230 SIGNS TYPE II REFLECTIVE F SF	REMARKS
PROJECT 4160-05-73																
700	298+87 , RT	EISENHOWER NB	NB	W2-6	2	ROUNDABOUT AHEAD	30 X 30				---	1	---	---	6.25	
				W13-1	2	15 MPH	18 X 18				---	---	---	---	2.25	
701	299+75 , LT	EISENHOWER NB	SB	R3-9B	2S	CENTER LANE LEFT TURN	24 X 36				---	1	---	---	6.00	
702	301+42 , RT	EISENHOWER NB	WB	R1-1	2S	STOP	30 X 30				---	1	---	5.18	---	
703	301+80 , LT	EISENHOWER NB	NB	R4-7	2S	KEEP RIGHT	24 X 30				---	1	---	5.00	---	
705	33+03 , RT	VAN ROY SE QUAD	NB	R1-2	2S	YIELD	36 X 31				---	1	---	3.88	---	
				R1-54	2S	TO TRAFFIC FROM LEFT	24 X 15				---	---	---	2.50	---	
706	303+98 , LT	EISENHOWER NB	NB	R1-2	2S	YIELD	36 X 31				---	---	1	3.88	---	
				R6-2R	2S	ONE WAY	24 X 30				---	---	---	5.00	---	
707	303+99 , RT	EISENHOWER SB	SB	D1-1		DESTINATION DIRECTION	78 X 15				2	---	---	8.13	---	EISENHOWER DR
708	406+19 , RT	VAN ROY EB	EB	R1-2	2S	YIELD	36 X 31				---	1	---	3.88	---	
				R1-54	2S	TO TRAFFIC FROM LEFT	24 X 15				---	---	---	2.50	---	
710	405+75 , LT	VAN ROY EB	EB	R4-7	2S	KEEP RIGHT	24 X 30				---	1	---	5.00	---	
711	406+08 , LT	VAN ROY EB	EB	R1-2	2S	YIELD	36 X 31				---	---	1	3.88	---	
				R6-2R	2S	ONE WAY	24 X 30				---	---	---	5.00	---	
712	406+05 , LT	VAN ROY EB	WB	D1-1		DESTINATION DIRECTION	66 X 15				2	---	---	6.88	---	VAN ROY RD
714	40+57 , RT	CTH CE SW QUAD	SB	R1-2	2S	YIELD	36 X 31				---	1	---	3.88	---	
				R1-54	2S	TO TRAFFIC FROM LEFT	24 X 15				---	---	---	2.50	---	
715	305+50 , RT	EISENHOWER SB	SB	R1-2	2S	YIELD	36 X 31				---	---	1	3.88	---	
				R6-2R	2S	ONE WAY	24 X 30				---	---	---	5.00	---	
716	305+49 , LT	EISENHOWER NB	NB	D1-1		DESTINATION DIRECTION	78 X 15				2	---	---	8.13	---	EISENHOWER DR
717	407+84 , LT	VAN ROY EB	EB	D1-1		DESTINATION DIRECTION	66 X 15				2	---	---	6.88	---	VAN ROY RD
718	407+88 , LT	VAN ROY EB	WB	R1-2	2S	YIELD	36 X 31				---	---	1	3.88	---	
				R6-2R	2S	ONE WAY	24 X 30				---	---	---	5.00	---	
719	408+30 , LT	VAN ROY EB	WB	R4-7	2S	KEEP RIGHT	24 X 30				---	1	---	5.00	---	
721	407+97 , LT	VAN ROY EB	WB	R1-2	2S	YIELD	36 X 31				---	1	---	3.88	---	
				R1-54	2S	TO TRAFFIC FROM LEFT	24 X 15				---	---	---	2.50	---	
722	20+69 , LT	EISENHOWER/VAN ROY RA	NB	R6-1R	2S	ONE WAY	36 X 12				1	---	---	3.00	---	
				R6-4B	2S	ROUNDABOUT CHEVRON	60 X 24				---	---	---	10.00	---	MOUNTING HEIGHT = 4'3" TO BOTTOM
723	22+70 , LT	EISENHOWER/VAN ROY RA	EB	R6-1R	2S	ONE WAY	36 X 12				1	---	---	3.00	---	
				R6-4B	2S	ROUNDABOUT CHEVRON	60 X 24				---	---	---	10.00	---	MOUNTING HEIGHT = 4'3" TO BOTTOM
724	22+23 , LT	EISENHOWER/VAN ROY RA	SB	R6-1R	2S	ONE WAY	36 X 12				1	---	---	3.00	---	
				R6-4B	2S	ROUNDABOUT CHEVRON	60 X 24				---	---	---	10.00	---	MOUNTING HEIGHT = 4'3" TO BOTTOM
							PROJECT 4160-05-73 PAGE SUBTOTALS				11	10	4	150.22	14.50	

PERMANENT SIGNS TYPE II AND SIGN SUPPORTS CONTINUED

SIGN NO.	STATION	REFERENCE LINE	FACE DIR.	SIGN CODE	SIGN SIZE	DESCRIPTION	SIGN W X H IN X IN	ASSEMBLY NO.	ASSEMBLY WIDTH IN	ASSEMBLY HEIGHT IN	634.0614 POSTS WOOD 4 X 6-INCH 14 FT EACH	634.0616 POSTS WOOD 4 X 6-INCH 16 FT EACH	634.0618 POSTS WOOD 4 X 6-INCH 18 FT EACH	637.2210 SIGNS TYPE II REFLECTIVE H SF	637.2230 SIGNS TYPE II REFLECTIVE F SF	REMARKS
PROJECT 4160-05-73																
725	21+52 , LT	EISENHOWER/VAN ROY RA	WB	R6-1R	2S	ONE WAY	36 X 12				1	---	---	3.00	---	
				R6-4B	2S	ROUNDABOUT CHEVRON	60 X 24				---	---	---	10.00	---	MOUNTING HEIGHT = 4'3" TO BOTTOM
726	306+46 , RT	EISENHOWER	NB	R3-5XL	2S	LANE CONTROL	42 X 48				---	1	---	14.00	---	OVERHEAD SIGN STRUCTURE
727	306+46 , RT	EISENHOWER	NB	R3-6L	2S	LANE CONTROL	42 X 48				---	1	---	14.00	---	OVERHEAD SIGN STRUCTURE
728	306+46 , RT	EISENHOWER	NB	R3-5R	2S	LANE CONTROL	42 X 48				---	1	---	14.00	---	OVERHEAD SIGN STRUCTURE
901	403+86 , RT	VAN ROY RD EB	EB	W2-6	2	ROUNDABOUT AHEAD	30 X 30				---	1	---	---	6.25	
				W13-1	2	15 MPH	18 X 18				---	---	---	---	2.25	
902	405+16 , LT	VAN ROY RD EB	WB	R2-1	2S	SPEED LIMIT	24 X 30				---	1	---	5.00	---	25 MPH
903	405+05 , RT	VAN ROY RD EB	EB	R3-8FF	2S	LANE CONTROL	30 X 42				---	1	---	8.75	---	
904	410+73 , LT	VAN ROY RD EB	WB	W2-6	2	ROUNDABOUT AHEAD	30 X 30				---	1	---	---	6.25	
				W13-1	2	15 MPH	18 X 18				---	---	---	---	2.25	
							PROJECT 4160-05-73 PAGE SUBTOTALS				1	7	0	68.75	17.00	
							PROJECT 4160-05-73 TOTALS				12	17	4	218.97	31.50	
							GRAND TOTAL				28	45	14	558.52	152.50	

MOVING SIGNS TYPE II AND MOVING SMALL SIGN SUPPORTS

SIGN NO.	FROM STATION	TO STATION	LOCATION	DESCRIPTION	638.2102 MOVING SIGNS TYPE II EACH	638.4000 MOVING SMALL SIGN SUPPORTS EACH	REMARKS
PROJECT 4160-05-71							
M101	204+65 , LT	204+70 , LT	CTH CE WB	ROUTE MARKER ASSEMBLY	1	2	SOUTH 441, WEST CE, NORTH 441
M301	217+34 , LT	217+34 , LT	CE TRAIL	STOP AHEAD	1	1	TRAIL SIGN
M401	218+19 , LT	218+42 , LT	CE TRAIL	STOP	1	1	TRAIL SIGN
M402	218+19 , LT	218+42 , LT	CE TRAIL	CE TRAIL	1	---	SAME POST AS M401
M403	219+83 , LT	219+25 , LT	CE TRAIL	CE TRAIL	1	1	
M404	219+83 , LT	219+25 , LT	CE TRAIL	STOP	1	---	SAME POST AS M403
M501	221+00 , LT	221+00 , LT	CE TRAIL	STOP AHEAD	1	1	TRAIL SIGN
M601	231+75 , RT	231+75 , RT	CTH CE WB	ONE WAY	1	1	
M801	311+34 , LT	311+44 , RT	EISENHOWER	NO PARKING VILLAGE STREETS	1		ON EXISTING LIGHT POLE, INSTALL ON SAME POST AS 802
				PROJECT 4160-05-71 TOTALS	9	7	
PROJECT 4160-05-73							
M701	301+41 , RT	301+42 , RT	THEATER WAY	THEATER WAY STREET SIGN	1	---	SAME POST AS R702
M901	404+91 , RT	404+93 , RT	VAN ROY	STOP SIGN	1	1	
				PROJECT 4160-05-73 TOTALS	1	1	
				GRAND TOTALS	10	8	

REMOVING SIGNS TYPE II AND REMOVING SMALL SIGN SUPPORTS

SIGN NO.	STATION		LOCATION	DESCRIPTION	638.2602 REMOVING SIGNS TYPE II EACH	638.3000 REMOVING SMALL SIGN SUPPORTS EACH	REMARKS
PROJECT 4160-05-71							
R201	206+70	LT	CTH CE WB	SIGNAL AHEAD	1	1	
R202	208+58	LT	CTH CE EB	ONE WAY	1	1	
R203	210+25	LT	CTH CE WB	JCT STH 441	1	1	
R301	212+41	RT	CTH CE EB	LANE CONFIGURATION	1	1	
R302	214+75	RT	CTH CE EB	WRONG WAY	1	1	
R303	215+00	LT	CTH CE WB	SPEED LIMIT 40 MPH	1	1	
R401	218+55	RT	CTH CE EB	NO U TURN	1	---	ON EXISTING SIGNAL POLE
R402	218+55	RT	CTH CE EB	KEEP RIGHT	1	---	ON EXISTING SIGNAL POLE
R403	218+74	RT	CTH CE EB	ONE WAY	1	---	ON EXISTING SIGNAL POLE
R404	218+74	RT	CTH CE EB	DO NOT ENTER	1	---	ON EXISTING SIGNAL POLE
R405	219+45	RT	CTH CE EB	KEEP RIGHT	1	---	ON EXISTING SIGNAL POLE
R406	309+23	LT	EISENHOWER DRIVE	YIELD	1	1	
R407	309+81	LT	EISENHOWER DRIVE	BIKE ROUTE	1	1	
R407A	309+81	LT	EISENHOWER DRIVE	DOUBLE ARROW	1	---	ON SAME POST AS R407
R408	309+06	LT	EISENHOWER DRIVE	DIVIDED HIGHWAY	1	1	
R409	309+40	RT	EISENHOWER DRIVE	KEEP RIGHT	1	---	ON EXISTING SIGNAL POLE
R410	310+26	RT	EISENHOWER DRIVE	NO ENGINE BRAKING	1	1	
R411	309+30	RT	EISENHOWER DRIVE	EISENHOWER DR	1	---	ON EXISTING SIGNAL POLE
R412	219+89	LT	CTH CE WB	DO NOT ENTER	1	---	ON EXISTING SIGNAL POLE
R413	219+89	LT	CTH CE WB	ONE WAY	1	---	ON EXISTING SIGNAL POLE
R414	219+79	RT	CTH CE WB	KEEP RIGHT	1	---	ON EXISTING SIGNAL POLE
R415	219+85	RT	CTH CE EB	DO NOT ENTER	1	1	
R416	220+11	RT	CTH CE EB	YIELD	1	1	
R417	219+82	RT	CTH CE EB	DIVIDED HIGHWAY	1	1	
R501	221+50	RT	CTH CE EB	SPEED LIMIT 40 MPH	1	1	
R601	228+67	LT	CTH CE WB	SIGNAL AHEAD	1	1	
R602	230+76	RT	CTH CE EB	SIGNAL AHEAD	1	1	
R802	311+29	RT	EISENHOWER DRIVE	SPEED LIMIT 25	1	---	ON EXISTING LIGHT POLE
R803	312+13	LT	EISENHOWER DRIVE	WRONG WAY	1	1	
R804	312+13	LT	EISENHOWER DRIVE	BIKE CROSSING	1	---	ON SAME POST AS R803
				PROJECT 4160-05-71 SUBTOTALS	30	17	

REMOVING SIGNS TYPE II AND REMOVING SMALL SIGN SUPPORTS CONT.

SIGN NO.	STATION	LOCATION	DESCRIPTION	638.2602 REMOVING SIGNS TYPE II EACH	638.3000 REMOVING SMALL SIGN SUPPORTS EACH	REMARKS
PROJECT 4160-05-73						
R701	300+09 RT	EISENHOWER DRIVE	STOP AHEAD	1	1	
R702	301+40 RT	THEATER WAY	STOP	1	1	
R703	303+79 RT	EISENHOWER DRIVE	KEEP RIGHT	1	1	
R704	303+61 LT	EISENHOWER DRIVE	CENTER TURN LANE	1	1	
R705	304+43 LT	EISENHOWER DRIVE	STOP	1	1	SOLAR FLASHER
R706	304+43 LT	EISENHOWER DRIVE	3 WAY	1	---	ON SAME POST AS R705
R707	304+43 LT	EISENHOWER DRIVE	KEEP RIGHT	1	---	ON SAME POST AS R705
R708	304+37 RT	EISENHOWER DRIVE	STOP	1	1	SOLAR FLASHER
R709	304+37 RT	EISENHOWER DRIVE	3 WAY	1		ON SAME POST AS R708
R710	408+34 RT	VAN ROY ROAD	SPEED LIMIT 25	1	1	
R711	304+53 LT	EISENHOWER DRIVE	EISENHOWER DR	1	---	ON EXISTING LIGHT POLE
R712	304+53 LT	EISENHOWER DRIVE	VAN ROY RD	1	---	ON EXISTING LIGHT POLE
R713	405+42 LT	VAN ROY ROAD	SPEED LIMIT 25	1	1	
R714	306+50 LT	EISENHOWER DRIVE	SPEED LIMIT 35	1	1	
R715	306+50 LT	EISENHOWER DRIVE	WELCOME TO BUCHANAN	1	---	ON SAME POST AS R714
R716	305+44 LT	EISENHOWER DRIVE	KEEP RIGHT	1	1	
R717	305+25 RT	EISENHOWER DRIVE	VAN ROY RD	1	1	
R718	305+25 RT	EISENHOWER DRIVE	STOP	1	---	ON SAME POST AS R717
R719	305+25 RT	EISENHOWER DRIVE	3 WAY	1	---	ON SAME POST AS R717
R720	306+47 RT	EISENHOWER DRIVE	BIKE CROSSING	1	1	
R901	405+10 RT	VAN ROY ROAD	ALTERNATE ROUTE TO 441	1	---	ON EXISTING LIGHT POLE
			PROJECT 4160-05-73 SUBTOTALS	21	12	
			GRAND TOTAL	51	29	

OVERHEAD SIGN SUPPORT (STRUCTURE)

LOCATION	OVERHEAD SIGN SUPPORT STRUCTURE NUMBER	OVERHEAD SIGN SUPPORT STRUCTURE BID ITEM NUMBER	LUMP SUM
PROJECT 4160-05-71			
CTH CE EB, W OF EISENHOWER DR	S-44-0129	641.8100.01	1
CTH CE WB, E OF EISENHOWER DR	S-44-0130	641.8100.02	1
EISENHOWER DR, S OF CTH CE	S-44-0131	641.8100.03	1

TRAFFIC CONTROL

STAGE	LOCATION	EST. SERVICE PERIOD DAYS	643.0300 DRUMS NO	643.0300 DRUMS DAYS	643.0420 BARRICADES TYPE III NO	643.0420 BARRICADES TYPE III DAYS	643.0500 FLEXIBLE TUBULAR MARKER POSTS EACH	643.0600 FLEXIBLE TUBULAR MARKER BASES EACH	643.0705 WARNING LIGHTS TYPE A NO	643.0705 WARNING LIGHTS TYPE A DAYS	643.0715 WARNING LIGHTS TYPE C NO	643.0715 WARNING LIGHTS TYPE C DAYS	643.0800 ARROW BOARDS NO	643.0800 ARROW BOARDS DAYS	643.0900 SIGNS NO	643.0900 SIGNS DAYS	643.0920 TYPE II SIGN COVERING EACH	643.1000 SIGNS FIXED MESSAGE SF	643.1050 SIGNS PCMS NO	643.1050 SIGNS PCMS DAYS	REMARKS
PROJECT 4160-05-71																					
1	CTH CE EB ADVANCE WZTC	7	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1	7	NOTE A
1	CTH CE WB ADVANCE WZTC	7	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1	7	NOTE A
1	EISENHOWER DR SB ADVANCE WZTC	7	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1	7	NOTE A
1	CTH CE EB	20	131	2,620	8	160	---	---	16	320	5	100	---	---	17	340	---	---	---	---	
1	CTH CE WB	20	174	3,480	5	100	---	---	10	200	37	740	1	20	13	260	---	---	---	---	
1	EISENHOWER DR NB	20	---	---	---	---	---	---	---	---	---	---	---	---	1	20	---	---	---	---	
1	EISENHOWER DR SB	20	24	480	2	40	---	---	4	80	5	100	---	---	8	160	---	---	---	---	
1	KENSINGTON	20	---	---	---	---	---	---	---	---	---	---	---	---	4	80	---	---	---	---	
1	STH 441 SB OFF RAMP	20	7	140	2	40	---	---	4	80	---	---	---	---	2	40	---	---	---	---	
1	STH 441 NB OFF RAMP	20	---	---	---	---	---	---	---	---	---	---	---	---	1	20	---	---	---	---	
1	LOWES LANE	20	---	---	---	---	---	---	---	---	---	---	---	---	2	40	---	---	---	---	
1	TRUMAN	20	---	---	---	---	---	---	---	---	---	---	---	---	2	40	---	---	---	---	
1	COBBLESTONE LANE	20	---	---	---	---	---	---	---	---	---	---	---	---	3	60	---	---	---	---	
1	RAILROAD	20	---	---	---	---	---	---	---	---	---	---	---	---	4	80	---	---	---	---	
2A	CTH CE EB	15	95	1,425	13	195	---	---	26	390	43	645	---	---	32	480	---	---	---	---	
2A	CTH CE WB	15	61	915	5	75	72	72	10	150	18	270	1	15	16	240	---	19.00	---	---	
2A	EISENHOWER DR NB	15	15	225	---	---	---	---	---	---	---	---	---	---	2	30	---	---	---	---	
2A	EISENHOWER DR SB	15	24	360	2	30	---	---	4	60	5	75	---	---	8	120	---	---	---	---	
2A	KENSINGTON	15	---	---	---	---	---	---	---	---	---	---	---	---	4	60	---	---	---	---	
2A	STH 441 SB OFF RAMP	15	7	105	2	30	---	---	4	60	---	---	---	---	2	30	---	---	---	---	
2A	STH 441 NB OFF RAMP	15	---	---	---	---	---	---	---	---	---	---	---	---	1	15	---	---	---	---	
2A	LOWES LANE	15	---	---	---	---	---	---	---	---	---	---	---	---	3	45	1	---	---	---	NOTE D
2A	TRUMAN	15	---	---	---	---	---	---	---	---	---	---	---	---	2	30	---	---	---	---	
2A	COBBLESTONE LANE	15	---	---	---	---	---	---	---	---	---	---	---	---	3	45	---	---	---	---	
2A	RAILROAD	15	---	---	---	---	---	---	---	---	---	---	---	---	4	60	---	---	---	---	
2A	PARKING LOT CONSTRUCTION	15	40	600	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
2B	CTH CE EB ADVANCE WZTC	7	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1	7	NOTE B
2B	CTH CE WB ADVANCE WZTC	7	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1	7	NOTE B
2B	CTH CE EB	40	95	3,800	13	520	---	---	26	1,040	43	1,720	---	---	31	1,240	---	---	---	---	
2B	CTH CE WB	40	61	2,440	5	200	---	---	10	400	18	720	1	40	16	640	---	---	---	---	
2B	EISENHOWER DR NB	40	---	---	---	---	---	---	---	---	---	---	---	---	1	40	---	---	---	---	
2B	EISENHOWER DR SB	40	24	960	2	80	---	---	4	160	5	200	---	---	8	320	---	---	---	---	
2B	KENSINGTON	40	---	---	---	---	---	---	---	---	---	---	---	---	4	160	---	---	---	---	
2B	STH 441 SB OFF RAMP	40	7	280	2	80	---	---	4	160	---	---	---	---	2	80	---	---	---	---	
2B	STH 441 NB OFF RAMP	40	---	---	---	---	---	---	---	---	---	---	---	---	1	40	---	---	---	---	
2B	LOWES LANE	40	---	---	---	---	---	---	---	---	---	---	---	---	3	120	---	---	---	---	
2B	TRUMAN	40	---	---	---	---	---	---	---	---	---	---	---	---	2	80	---	---	---	---	
2B	COBBLESTONE LANE	40	---	---	---	---	---	---	---	---	---	---	---	---	3	120	---	---	---	---	
2B	RAILROAD	40	---	---	---	---	---	---	---	---	---	---	---	---	4	160	---	---	---	---	
2B	PARKING LOT CONSTRUCTION	40	40	1,600	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
PROJECT 4160-05-71 PAGE SUBTOTALS			19,430		1,550		72	72	3,100		4,570		75		5,295		1	19.00		35	

NOTE A: PORTABLE CHANGEABLE MESSAGE SIGNS TO BE LOCATED NEAR THE CONSTRUCTION LIMITS 1 WEEK PRIOR TO CONSTRUCTION. FRAME 1: ROAD WORK BEGINS XX/XX/XX; FRAME 2: EXPECT DELAYS
NOTE B: PORTABLE CHANGEABLE MESSAGE SIGNS TO BE PLACED 1 WEEK PRIOR TO STAGE 2B (CLOSURE OF EISENHOWER DRIVE SOUTH OF CTH CE). FRAME 1: EISENHOWER SOUTH OF CE; FRAME 2:TO CLOSE XX/XX/XX
NOTE C: PORTABLE CHANGEABLE MESSAGE SIGNS TO BE PLACED 1 WEEK PRIOR TO STAGE 3 (CLOSURE OF EISENHOWER DRIVE NORTH OF CTH CE). FRAME 1: EISENHOWER NORTH OF CE; FRAME 2:TO CLOSE XX/XX/XX
NOTE D: SIGN TO BE COVERED AT BEGINNING OF STAGE 2A AND UNCOVERED AT BEGINNING OF STAGE 3
NOTE E: SIGN TO BE COVERED AT BEGINNING OF STAGE 3 AND UNCOVERED AT BEGINNING OF STAGE 4

TRAFFIC CONTROL CONTINUED

STAGE	LOCATION	EST. SERVICE PERIOD DAYS	643.0300 DRUMS NO	643.0300 DRUMS DAYS	643.0420 BARRICADES TYPE III NO	643.0420 BARRICADES TYPE III DAYS	643.0500 FLEXIBLE TUBULAR MARKER POSTS EACH	643.0600 FLEXIBLE TUBULAR MARKER BASES EACH	643.0705 WARNING LIGHTS TYPE A NO	643.0705 WARNING LIGHTS TYPE A DAYS	643.0715 WARNING LIGHTS TYPE C NO	643.0715 WARNING LIGHTS TYPE C DAYS	643.0800 ARROW BOARDS NO	643.0800 ARROW BOARDS DAYS	643.0900 SIGNS NO	643.0900 SIGNS DAYS	643.0920 TYPE II SIGN COVERING EACH	643.1000 SIGNS FIXED MESSAGE SF	643.1050 SIGNS PCMS NO	643.1050 SIGNS PCMS DAYS	REMARKS
PROJECT 4160-05-73																					
3	CTH CE EB ADVANCE WZTC	7	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1	7	NOTE C
3	CTH CE WB ADVANCE WZTC	7	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1	7	NOTE C
3	EISENHOWER DR SB ADVANCE WZTC	7	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1	7	NOTE C
3	CTH CE EB	50	65	3,250	7	350	91	91	14	700	5	250	---	---	22	1,100	---	---	---	---	
3	CTH CE WB	50	148	7,400	7	350	---	---	14	700	61	3,050	1	50	22	1,100	---	7.50	---	---	
3	EISENHOWER DR NB	50	8	400	---	---	---	---	---	---	---	---	---	---	1	50	---	---	---	---	
3	EISENHOWER DR SB	50	---	---	8	400	---	---	16	800	---	---	---	---	4	200	---	---	---	---	
3	KENSINGTON	50	---	---	---	---	---	---	---	---	---	---	---	---	4	200	---	6.75	---	---	
3	STH 441 SB OFF RAMP	50	7	350	2	100	---	---	4	200	---	---	---	---	2	100	---	---	---	---	
3	STH 441 NB OFF RAMP	50	---	---	---	---	---	---	---	---	---	---	---	---	1	50	---	---	---	---	
3	LOWES LANE	50	---	---	---	---	---	---	---	---	---	---	---	---	2	100	---	---	---	---	
3	TRUMAN	50	---	---	---	---	---	---	---	---	---	---	---	---	2	100	---	---	---	---	
3	COBBLESTONE LANE	50	---	---	---	---	---	---	---	---	---	---	---	---	4	200	1	---	---	---	NOTE E
3	RAILROAD	50	---	---	---	---	---	---	---	---	---	---	---	---	4	200	---	25.75	---	---	
4	CTH CE EB	20	121	2,420	12	240	---	---	24	480	17	340	---	---	23	460	---	---	---	---	
4	CTH CE WB	20	100	2,000	4	80	---	---	8	160	14	280	1	20	12	240	---	---	---	---	
4	EISENHOWER DR NB	20	---	---	---	---	---	---	---	---	---	---	---	---	1	20	---	---	---	---	
4	EISENHOWER DR SB	20	---	---	---	---	---	---	---	---	---	---	---	---	1	20	---	---	---	---	
4	KENSINGTON	20	---	---	---	---	---	---	---	---	---	---	---	---	4	80	---	---	---	---	
4	STH 441 SB OFF RAMP	20	7	140	2	40	---	---	4	80	---	---	---	---	2	40	---	---	---	---	
4	STH 441 NB OFF RAMP	20	---	---	---	---	---	---	---	---	---	---	---	---	1	20	---	---	---	---	
4	LOWES LANE	20	---	---	---	---	---	---	---	---	---	---	---	---	2	40	---	---	---	---	
4	TRUMAN	20	---	---	---	---	---	---	---	---	---	---	---	---	2	40	---	---	---	---	
4	COBBLESTONE LANE	20	---	---	---	---	---	---	---	---	---	---	---	---	3	60	---	---	---	---	
4	RAILROAD	20	---	---	---	---	---	---	---	---	---	---	---	---	4	80	---	---	---	---	
---	UNDISTRIBUTED	---	3539		311		24	24	622		849		15		980		0		0		
	PROJECT 4160-05-71 PAGE SUBTOTALS		19,499		1,871		115	115	3,742		4,769		85		5,480		1	40.00	21		
	PROJECT 4160-05-71 TOTALS		38,929		3,421		187	187	6,842		9,339		160		10,775		2	59.00	56		

TRAFFIC CONTROL CONTINUED

STAGE	LOCATION	EST. SERVICE PERIOD DAYS	643.0300 DRUMS NO	643.0300 DRUMS DAYS	643.0420 BARRICADES TYPE III NO	643.0420 BARRICADES TYPE III DAYS	643.0500 FLEXIBLE TUBULAR MARKER POSTS EACH	643.0600 FLEXIBLE TUBULAR MARKER BASES EACH	643.0705 WARNING LIGHTS TYPE A NO	643.0705 WARNING LIGHTS TYPE A DAYS	643.0715 WARNING LIGHTS TYPE C NO	643.0715 WARNING LIGHTS TYPE C DAYS	643.0800 ARROW BOARDS NO	643.0800 ARROW BOARDS DAYS	643.0900 SIGNS NO	643.0900 SIGNS DAYS	643.0920 TYPE II SIGN COVERING EACH	643.1000 SIGNS FIXED MESSAGE SF	643.1050 SIGNS PCMS NO	643.1050 SIGNS PCMS DAYS	REMARKS
PROJECT 4160-05-73																					
1	EISENHOWER DR NB ADVANCE WZTC	7	---	---	---	---	---	---	---	---	---	---	---	---	---	---		---	1	7	NOTE A
1	EISENHOWER DR NB	20	21	420	2	40	---	---	4	80	10	200	---	---	8	160		---		0	
1	EISENHOWER DR SB	20	---	---	---	---	---	---	---	---	---	---	---	---	1	20		---		0	
1	VAN ROY	20	---	---	---	---	---	---	---	---	---	---	---	---	2	40		---		0	
1	THEATER WAY	20	---	---	---	---	---	---	---	---	---	---	---	---	1	20		---		0	
2A	EISENHOWER DR NB	15	26	390	2	30	---	---	4	60	10	150	---	---	5	75		---	---	---	
2A	EISENHOWER DR SB	15	---	---	---	---	---	---	---	---	---	---	---	---	1	15	---	---	---	---	
2A	VAN ROY	15	---	---	11	165	---	---	22	330	---	---	---	---	8	120	---	---	---	---	
2A	THEATER WAY	15	---	---	---	---	---	---	---	---	---	---	---	---	1	15	---	---	---	---	
2A	PARKING LOT CONSTRUCTION	15	35	525	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
2B	EISENHOWER DR NB ADVANCE WZTC	7	---	---	---	---	---	---	---	---	---	---	---	---	---	---		---	1	7	NOTE B
2B	EISENHOWER DR NB	40	---	---	6	240	---	---	12	480	---	---	---	---	4	160	---	---	---	---	
2B	EISENHOWER DR SB	40	---	---	---	---	---	---	---	---	---	---	---	---	1	40	---	---	---	---	
2B	VAN ROY	40	---	---	4	160	---	---	8	320	---	---	---	---	6	240	---	---	---	---	
2B	THEATER WAY	40	---	---	---	---	---	---	---	---	---	---	---	---	2	80	---	---	---	---	
2B	PARKING LOT CONSTRUCTION	40	35	1,400	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
3	EISENHOWER DR NB	50	12	600	2	100	---	---	4	200	---	---	---	---	5	250		---		0	
3	EISENHOWER DR SB	50	---	---	---	---	---	---	---	---	---	---	---	---	1	50	---	---	---	---	
3	VAN ROY	50	5	250	1	50	---	---	2	100	---	---	---	---	3	150	---	---	---	---	
3	THEATER WAY	50	---	---	---	---	---	---	---	---	---	---	---	---	1	50	---	---	---	---	
4	EISENHOWER DR NB	20	---	---	---	---	---	---	---	---	---	---	---	---	1	20		---		0	
4	EISENHOWER DR SB	20	---	---	---	---	---	---	---	---	---	---	---	---	1	20		---		0	
4	VAN ROY	20	---	---	---	---	---	---	---	---	---	---	---	---	2	40		---		0	
4	THEATER WAY	20	---	---	---	---	---	---	---	---	---	---	---	---	1	20		---		0	
---	UNDISTRIBUTED	---	359		79		0	0	157		35		0		159		0	0		0	
	PROJECT 4160-05-73 TOTALS		3,944		864		0	0	1,727		385		0		1,744		0	0		14	
	CONTRACT TOTALS		42,873		4,285		187	187	8,569		9,724		160		12,518		2	59.00		70	

PAVEMENT MARKING

STATION	TO	STATION	LOCATION	646.0106 PAVEMENT MARKING EPOXY 4-INCH (WHITE) LF	646.0106 PAVEMENT MARKING EPOXY 4-INCH (YELLOW) LF	646.0126 PAVEMENT MARKING EPOXY 8-INCH (WHITE) LF	647.0166 PAVEMENT MARKING ARROWS EPOXY TYPE 2 EACH	647.0606 PAVEMENT MARKING ISLAND NOSE EPOXY EACH	647.0726 PAVEMENT MARKING DIAGONAL EPOXY 12-INCH (YELLOW) LF	SPV.0090.03 PAVEMENT MARKING GROOVED PREFORMED THERMOPLASTIC 18-INCH LF	SPV.0090.04 PAVEMENT MARKING GROOVED CONTRAST PREFORMED THERMOPLASTIC CROSSWALK 6-INCH LF	SPV.0090.05 PAVEMENT MARKING CONTRAST GROOVED PREFORMED THERMOPLASTIC 8-INCH LF
PROJECT 4160-05-71												
	-		CE EAST OF KENSINGTON	148	---	---	---	---	---	---	---	---
	-		CE AT US 441 SB OFF RAMP	31	---	---	---	---	---	---	---	---
201+40	-	218+22	CTH CE EB	552	979	---	---	---	---	77	130	837
200+00	-	218+19	CTH CE WB	1824	958	290	2	---	---	---	80	30
220+11	-	232+89	CTH CE EB	1335	735	---	---	---	---	---	84	30
220+20	-	232+89	CTH CE WB	602	1240	---	---	---	---	64	94	683
	-		CTH CE WB EAST OF RAILROAD	196	---	---	---	---	---	---	---	---
306+75	-	307+71	EISENHOWER DR	---	---	---	---	---	---	50	152	210
309+96	-	312+59	EISENHOWER DR	49	---	---	---	---	---	29	94	532
	-		CE/EISENHOWER RA	---	---	---	---	---	---	---	---	623
			SUBTOTALS	4,556	3,912	290	2	0	0	219	634	2,946
			PROJECT 4160-05-71 TOTALS	8,468		290	2	0	0	219	634	2,946
PROJECT 4160-05-73												
300+26	-	304+05	EISENHOWER DR	142	166	58	1	1	---	25	105	360
305+38	-	306+75	EISENHOWER DR	18		---	---	---	---	37	---	508
400+91	-	406+15	VAN ROY RD		1190		4	1	---	24	79	101
407+73	-	411+89	VAN ROY RD	---	990	---	---	1	36	20	62	35
	-		VAN ROY/EISENHOWER RA	---	---	---	---	---	---	---	---	133
			SUBTOTALS	160	2,346	58	5	3	36	106	246	1,137
			PROJECT 4160-05-73 TOTALS	2,506		58	5	3	36	106	246	1,137
			GRAND TOTALS	10,974		348	7	3	36	325	880	4,083

PAVEMENT MARKING CONTINUED

STATION	TO	STATION	LOCATION	SPV.0060.02 PAVEMENT MARKING GROOVED CONTRAST PREFORMED THERMOPLASTIC WORDS EACH	SPV.0060.03 PAVEMENT MARKING GROOVED CONTRAST PREFORMED THERMOPLASTIC ARROWS TYPE 1 EACH	SPV.0060.04 PAVEMENT MARKING GROOVED CONTRAST PREFORMED THERMOPLASTIC ARROWS TYPE 2 EACH	SPV.0060.05 PAVEMENT MARKING GROOVED CONTRAST PREFORMED THERMOPLASTIC ARROWS TYPE 2R EACH	SPV.0060.06 PAVEMENT MARKING GROOVED CONTRAST PREFORMED THERMOPLASTIC ARROWS TYPE 3 EACH	SPV.0060.07 PAVEMENT MARKING GROOVED CONTRAST PREFORMED THERMOPLASTIC ARROWS TYPE 3R EACH	SPV.0060.08 PAVEMENT MARKING GROOVED CONTRAST PREFORMED THERMOPLASTIC ARROWS TYPE 6 MODIFIED EACH	SPV.0060.10 PAVEMENT MARKING GROOVED CONTRAST PREFORMED THERMOPLASTIC ARROWS TYPE 2R MODIFIED EACH	SPV.0060.11 PAVEMENT MARKING GROOVED CONTRAST PREFORMED THERMOPLASTIC YIELD LINE 18-INCH EACH
PROJECT 4160-05-71												
	-		CE EAST OF KENSINGTON	---	---	---	---	---	---	---	---	---
	-		CE AT US 441 SB OFF RAMP	---	---	---	---	---	---	---	---	---
201+40	-	218+22	CTH CE EB	6	4	2	---	---	2	---	---	16
200+00	-	218+19	CTH CE WB	---	---	---	---	---	---	---	---	---
220+11	-	231+75	CTH CE EB	---	---	---	---	---	---	---	---	7
220+20	-	231+21	CTH CE WB	3	2	---	---	2	2	---	---	---
306+75	-	307+71	EISENHOWER DR	3	---	1	1	1	---	---	---	---
309+96	-	312+59	EISENHOWER DR	2	---	---	---	2	2	---	---	---
	-		CE/EISENHOWER RA	---	5	1	---	4	---	---	---	---
			SUBTOTALS	14	11	4	1	9	6	0	0	23
			PROJECT 4160-05-71 TOTALS	14	11	4	1	9	6	0	0	23
PROJECT 4160-05-73												
300+26	-	304+05	EISENHOWER DR	2	---	---	---	2	2	---	---	---
305+38	-	306+75	EISENHOWER DR	3	---	---	1	2	1	---	---	---
400+91	-	406+15	VAN ROY RD	2	---	---	---	---	---	1	1	---
407+73	-	411+89	VAN ROY RD	1	---	---	---	---	---	---	---	---
	-		VAN ROY/EISENHOWER RA	---	2	1	---	3	---	---	---	---
			SUBTOTALS	8	2	1	1	7	3	1	1	0
			PROJECT 4160-05-73 TOTALS	8	2	1	1	7	3	1	1	0
			GRAND TOTALS	22	13	5	2	16	9	1	1	23

REMOVING PAVEMENT MARKINGS

STAGE	STATION	TO	STATION	LOCATION	646.0600 REMOVING PAVEMENT MARKINGS LF	REMARKS
PROJECT 4160-05-71						
1		-		CTH CE EAST OF KENSINGTON DR	148	SKIP DASH
1		-		CTH CE & US 441 SB OFF RAMP	31	SKIP DASH
1		-		CTH CE WB EAST OF RAILROAD	196	SKIP DASH
2A	208+22	-	210+82	CTH CE WB	260	
2A	208+12	-	209+40	CTH CE EB	130	
2A	207+66	-	208+86	CTH CE EB	30	SKIP DASH
2A	210+68	-	218+45	CTH CE WB	765	SKIP DASH
2A	214+00	-	217+97	CTH CE WB	400	
2A	219+68	-	221+58	CTH CE WB	190	SKIP DASH
2A	219+68	-	225+18	CTH CE WB	535	
2A	231+12	-	232+89	CTH CE WB	177	
2A	231+10	-	232+87	CTH CE EB	177	
3	226+08	-	230+72	CTH CE EB	465	
3	226+08	-	230+72	CTH CE EB	116	SKIP DASH
				PROJECT TOTALS	3,621	

TEMPORARY PAVEMENT MARKING

STAGE	LOCATION	649.0100 TEMPORARY PAVEMENT MARKING 4-INCH (WHITE) LF	649.0100 TEMPORARY PAVEMENT MARKING 4-INCH (YELLOW) LF	649.0400 TEMPORARY PAVEMENT MARKING REMOVABLE TAPE 4-INCH (WHITE) LF	649.0400 TEMPORARY PAVEMENT MARKING REMOVABLE TAPE 4-INCH (YELLOW) LF	649.0801 TEMPORARY PAVEMENT MARKING REMOVABLE TAPE 8-INCH (WHITE) LF	649.1100 TEMPORARY PAVEMENT MARKING STOP LINE 18-INCH (WHITE) LF	649.1200 TEMPORARY PAVEMENT MARKING STOP LINE REMOVABLE TAPE 18-INCH (WHITE) LF	649.1700 TEMPORARY PAVEMENT MARKING ARROWS EACH	649.1800 TEMPORARY PAVEMENT MARKING ARROWS REMOVABLE TAPE EACH
PROJECT 4160-05-71										
1	CTH CE	---	---	1,610	303	175	---	---	---	2
2	CTH CE	2435	3759	506	474	188	48	---	2	2
3	CTH CE	427	201	1,938	4,570	---	---	---	---	---
3	EISENHOWER NB	---	---	96	82	---	---	36	---	1
	PROJECT 4160-05-71 TOTALS	2,862	3,960	4,150	5,429	363	48	36	2	5

TEMPORARY PAVEMENT MARKING

STAGE	LOCATION	649.0100 TEMPORARY PAVEMENT MARKING 4-INCH (WHITE) LF	649.0100 TEMPORARY PAVEMENT MARKING 4-INCH (YELLOW) LF	649.0400 TEMPORARY PAVEMENT MARKING REMOVABLE TAPE 4-INCH (WHITE) LF	649.0400 TEMPORARY PAVEMENT MARKING REMOVABLE TAPE 4-INCH (YELLOW) LF	649.0801 TEMPORARY PAVEMENT MARKING REMOVABLE TAPE 8-INCH (WHITE) LF	649.1100 TEMPORARY PAVEMENT MARKING STOP LINE 18-INCH (WHITE) LF	649.1200 TEMPORARY PAVEMENT MARKING STOP LINE REMOVABLE TAPE 18-INCH (WHITE) LF	649.1700 TEMPORARY PAVEMENT MARKING ARROWS EACH	649.1800 TEMPORARY PAVEMENT MARKING ARROWS REMOVABLE TAPE EACH
PROJECT 4160-05-73										
3	EISENHOWER NB	---	---	18	67	---	---	---	---	2
	PROJECT 4160-05-73 TOTALS	0	0	18	67	0	0	0	0	2
	CONTRACT TOTALS	2,862	3,960	4,168	5,496	363	48	36	2	7

CONSTRUCTION STAKING

STATION	TO	STATION	REFERENCE LINE	650.4000 STORM SEWER EACH	650.4500 SUBGRADE LF	650.5000 BASE LF	650.5500 CURB, GUTTER & CURB AND GUTTER LF	650.6500 STRUCTURE LAYOUT LS	650.7000 CONCRETE PAVEMENT LF	650.9910 SUPPLEMENTAL CONTROL LS	650.9920 SLOPE STAKES LF	SPV.0105.06 STAGING LS
PROJECT 4160-05-71												
209+32	-	231+75	CTH CE EB	28	2,243	567	---	---	1,676	---	2,243	---
201+93	-	230+25	CTH CE WB	17	2,832	749	110	---	2,083	---	2,832	---
306+75	-	312+52	EISENHOWER NB	4	577	0	---	---	577	---	577	---
306+73	-	312+45	EISENHOWER SB	2	572	0	18	---	572	---	572	---
10+00	-	14+71	CE & EISENHOWER RA	3	471	0	---	---	471	---	471	---
---	-	---	PARKING LOT	---	---	---	124	---	---	---	---	---
208+10	-	210+85	WEST CROSSOVER	---	---	---	---	---	---	---	275	---
231+10	-	232+85	EAST CROSSOVER	---	---	---	---	---	---	---	175	---
214+00	-	217+85	CTH CE WB TEMP WIDENING	---	---	---	---	---	---	---	385	---
---	-	---	PROJECT	---	---	---	---	3	---	1	---	1
			PROJECT TOTALS	54	6,695	1,316	252	3	5,379	1	7,530	1
PROJECT 4160-05-73												
301+19	-	306+75	EISENHOWER NB	3	556	45	62	---	511	---	556	---
301+54	-	306+73	EISENHOWER SB	1	519	10	26	---	509	---	519	---
403+80	-	410+77	VAN ROY EB	2	697	426	400	---	271	---	697	---
403+80	-	410+51	VAN ROY WB	---	671	405	344	---	266	---	671	---
20+00	-	22+96	EISENHOWER & VAN ROY RA	2	296	0	---	---	296	---	296	---
---	-	---	PARKING LOTS/ DRIVES	---	---	---	357	---	---	---	---	---
---	-	---	PROJECT	---	---	---	---	---	---	1	---	---
			PROJECT TOTALS	8	2,738	886	1,189	0	1,852	1	2,738	0
			CONTRACT TOTALS	62	9,434	2,202	1,441	3	7,231	2	10,269	1

SAWING

STATION	TO	STATION	LOCATION	690.0150 SAWING ASPHALT LF	690.0250 SAWING CONCRETE LF	REMARKS
PROJECT 4160-05-71						
209+32	-	231+75	CTH CE EB	593	52	
201+93	-	230+25	CTH CE WB	106	209	
306+75	-	312+52	EISENHOWER NB	0	29	
306+73	-	312+45	EISENHOWER SB	0	29	
	-		PARKING LOTS	120	16	
208+10	-	209+40	CTH CE EB	---	130	WEST CROSSOVER
208+20	-	209+35	CTH CE WB	---	115	WEST CROSSOVER
209+80	-	210+85	CTH CE EB	---	105	WEST CROSSOVER
215+00			CTH CE WB	---	55	SS CONSTRUCTION
12+21	-	12+58	CE & EIS RAB	---	75	ISLAND REMOVAL
231+10	-	232+85	CTH CE EB & WB	700*	---	EAST CROSSOVER
			PROJECT TOTALS	1,519	815	
PROJECT 4160-05-73						
301+19	-	306+75	EISENHOWER NB	120	3	
301+40	-	306+73	EISENHOWER SB	65	3	
403+80	-	410+77	VAN ROY RD	68	5	
	-		PARKING LOTS	755	283	
			PROJECT TOTALS	1,008	293	
			CONTRACT TOTALS	2,526	1,107	

* INCLUDES QTY TO REMOVE EXIST CURB AND GUTTER, AND QTY TO SAW EDGE AFTER CROSSOVER REMOVAL FOR CURB AND GUTTER REPLACEMENT.

CULVERT PIPE TEMPORARY

STATION	TO	STATION	LOCATION	SPV.0090.06 12-INCH LF	REMARKS
PROJECT 4160-05-71					
208+14	-	209+64	CTH CE EB	150	CONNECT TO EXISTING MEDIAN INLET IN WEST CROSSOVER. IN: 751.80, OUT INV: 748.20
			PROJECT TOTAL	150	
			CONTRACT TOTAL	150	

STREET SWEEPING

LOCATION	SPV.0075.01 HRS
PROJECT 4160-05-71	
PROJECT	16
PROJECT TOTAL	16
PROJECT 4160-05-73	
PROJECT	4
PROJECT TOTAL	4
CONTRACT TOTAL	20

Conventional Signs and Abbreviations

- SECTION LINE
- QUARTER LINE
- TOWNSHIP AND RANGE LINE
- PROPOSED OR NEW CENTERLINE
- PROPOSED OR NEW R/W LINE
- EXISTING R/W LINE
- LOT LINE
- P.L. PROPERTY LINE
- COUNTY LIMITS LINE
- SLOPE INTERCEPTS
- EXISTING MONUMENTATION
- X FENCE X
- SECTION OR QUARTER CORNER
- T TELEPHONE T
- G GAS G
- W WATER W
- E ELECTRIC E
- FO FIBER OPTIC FO
- SAN SANITARY SAN
- SS STORM SEWER SS
- NO ACCESS (BY ACQUISITION)
- NO ACCESS (BY STATUTORY AUTHORITY)
- NO ACCESS (BY PREVIOUS PROJECT)
- TEMPORARY LIMITED EASEMENT
- PERMANENT LIMITED EASEMENT
- FEE TITLE
- RIGHT-OF-WAY MONUMENTS SET AT NEWLY ACQUIRED R/W ANGLE POINTS
- (6) PARCEL NUMBER
- (92) UTILITY PARCEL NUMBER
- TLE POINT NUMBER
- R/W POINT NUMBER

AC	ACRES
△	CENTRAL ANGLE
C/L	CENTERLINE
COR.	CORNER
CTH	COUNTY TRUNK HIGHWAY
D	DEGREE OF CURVE
E.	EAST
L	LENGTH OF CURVE
LC	LONG CHORD
LCB	LONG CHORD BEARING
MI	MILE
N.	NORTH
N.T.S.	NOT TO SCALE
PC	POINT OF CURVATURE
PI	POINT OF INTERSECTION
PT	POINT OF TANGENCY
PLE	PERMANENT LIMITED EASEMENT
P/L	PROPERTY LINE
PC LINE	PRIVATE CLAIM LINE

R	RADIUS
R.	RANGE
R/L	REFERENCE LINE
R/W	RIGHT OF WAY
1/4 LINE	QUARTER LINE
1/16 LINE	SIXTEENTH LINE
S.	SOUTH
SEC	SECTION
SEC LINE	SECTION LINE
STH	STATE TRUNK HIGHWAY
SF	SQUARE FEET
STA	STATION
T.	TOWN
T	TANGENT LENGTH OF CURVE
TLE	TEMPORARY LIMITED EASEMENT
USH	UNITED STATES HIGHWAY
W.	WEST

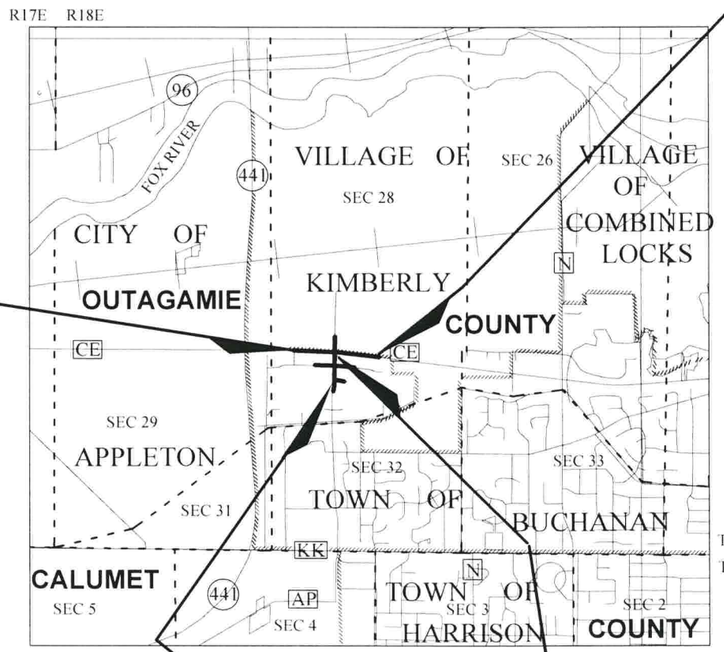
	COMPENSABLE	NON-COMPENSABLE
POWER POLE	■	□
TELEPHONE POLE	●	⊘
TELEPHONE PEDESTAL	■	⌗

REVISIONS	R/W PROJECT NUMBER	SHEET NUMBER	TOTAL SHEETS
9-18-2014	----------	4.1	7
10-30-2014	FEDERAL PROJECT NUMBER		
1-6-2015	----------		

PLAT OF RIGHT-OF-WAY REQUIRED FOR
CTH CE (71)
V. KIMBERLY, T. BUCHANAN - COLLEGE AVE. & EISENHOWER DR.
EISENHOWER DR. (72)
T. BUCHANAN - THEATER WAY TO CTH CE

VILLAGE OF KIMBERLY
TOWN OF BUCHANAN
OUTAGAMIE COUNTY

CONSTRUCTION PROJECT NUMBER
4160-05-71/~~72~~ 73



(OUTAGAMIE COUNTY)
BEGIN RELOCATION ORDER
STATION 181+00.00
4837.09' NORTH OF AND 3552.71' EAST OF THE SW CORNER OF SECTION 29, T21N, R18E, CITY OF APPLETON, OUTAGAMIE COUNTY WISCONSIN.
Y: 561023.64
X: 841192.70

(OUTAGAMIE COUNTY)
END RELOCATION ORDER
STATION 206+00.00
4720.24' NORTH OF AND 6047.51' EAST OF THE SW CORNER OF SECTION 29, T21N, R18E, CITY OF APPLETON, OUTAGAMIE COUNTY, WISCONSIN.
Y: 560906.79
X: 843687.50

(TOWN OF BUCHANAN)
BEGIN RELOCATION ORDER
STATION 292+49.01
3931.56' NORTH OF AND 5447.55' EAST OF THE SW CORNER OF SECTION 29, T21N, R18E, CITY OF APPLETON, OUTAGAMIE COUNTY, WISCONSIN.
Y: 560118.11
X: 843087.54

(TOWN OF BUCHANAN)
END RELOCATION ORDER
STATION 300+15.13
4597.66' NORTH OF AND 5450.47' EAST OF THE SW CORNER OF SECTION 29, T21N, R18E, CITY OF APPLETON, OUTAGAMIE COUNTY, WISCONSIN.
Y: 560784.21
X: 843090.46

LAYOUT
SCALE 0 2000' 4000'

TOTAL NET LENGTH OF CENTERLINE = 0.473 MI.

Notes:

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COUNTY COORDINATES, OUTAGAMIE COUNTY, NAD 83 (2007) IN US SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

RIGHT OF WAY MONUMENTS ARE TYPE 2 MONUMENTS (TYPICALLY 3/4 X 24" REBAR) AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

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

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

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

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 TLE'S EXPIRE AT THE COMPLETION OF THE CONSTRUCTION PROJECT FOR WHICH THIS INSTRUMENT IS GIVEN.

C.T.H. CE RIGHT-OF-WAY DEFINED FROM STATE HIGHWAY COMMISSION OF WISCONSIN PLAT OF RIGHT-OF-WAY PROJECT E 0-0(22) DATED 3-22-66.

EISENHOWER DRIVE NORTH OF C.T.H. CE, RIGHT-OF-WAY DEFINED FROM KIMBERLY INDUSTRIAL PARK PLAT.

EISENHOWER DRIVE SOUTH OF C.T.H. CE, RIGHT-OF-WAY DEFINED FROM COLLEGE PARK COMMERCIAL PLAT.

VAN ROY ROAD RIGHT-OF-WAY DEFINED FROM COLLEGE PARK COMMERCIAL PLAT AND OUTAGAMIE COUNTY CSM'S 1426, 3136, 3975, 4120, 5256, 5395, 5669.

ACCEPTED FOR
TOWN OF BUCHANAN
Mark McAndrew
7-25-14 (Date) BUCHANAN CHAIRPERSON (Signature & Title of Official)

ACCEPTED FOR
OUTAGAMIE COUNTY
Thomas Seubert
7-29-14 (Date) Highway Commissioner (Signature & Title of Official)

ORIGINAL PLANS PREPARED BY
OMNNI ASSOCIATES
APPLETON, WISCONSIN

WISCONSIN
DAVID A. YURK
S-2648
OSHKOSH, WI
LAND SURVEYOR

7-25-14 (Date) David A. Yurk (Signature)

LEVELS ON = 01, 02, 03, 04, 05, 06, 07, 08, 09, 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, 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

OUTAGAMIE COUNTY

FILE NAME : F:\TR\JOBS\E1887A09\Civil 3D 2012\RW\E1887TLPLT.DWG PLOT DATE: $DATE$ $TIME$ ORG DATE : --/--/2000 PLOT SCALE : ---------- ORIGINATOR : OMNNI ASSOCIATES PLOT SCALE : ----------

SCHEDULE OF LANDS & INTERESTS REQUIRED

OWNERS NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTEREST TO THE COUNTY OF OUTAGAMIE.

PARCEL NUMBER	PLAT SHEET NUMBER	OWNER	INT. REQD.	TOTAL AREA	AREA ACRES REQUIRED NEW	EXISTING	TOTAL	TOTAL AREA REMAINING	TLE Area
1*	4.4	JBOK ENTERPRISES, LLC	TLE	1.38 ac	0 SQ FT	0 SQ FT	0 SQ FT	1.38 AC	1327 SQ FT
2*	4.4 4.5	CLUBHOUSE DEVELOPMENT GROUP, LLC	TLE	1.19 AC	0 SQ FT	0 SQ FT	0 SQ FT	1.19 AC	4694 SQ FT
3*	4.5	ABS 1, LLC	TLE	1.07 AC	0 SQ FT	0 SQ FT	0 SQ FT	1.07 AC	3299 SQ FT
4***	4.5	PETER D. & JANET L. ROUG	TLE	0.73 AC	0 SQ FT	0 SQ FT	0 SQ FT	0.73 AC	1648 SQ FT
6***	4.5 4.6	VK REAL ESTATE HOLDING CO. LLC	FEE TLE	1.18 AC	4842 SQ FT	0 SQ FT	4842 SQ FT	1.07 AC	12259 SQ FT
7*	4.5	MICHAEL G., GORDON H., RAMONA M. VAN ASTEN	FEE TLE	1.04 AC	1415 SQ FT	0 SQ FT	1415 SQ FT	1.01 AC	2313 SQ FT
8*	4.5	CAPITAL CREDIT UNION	FEE TLE	2.89 AC	5571 SQ FT	0 SQ FT	5571 SQ FT	2.76 AC	7048 SQ FT
9***	4.5 4.6	MISSOURI REAL ESTATE AND INSURANCE AGENCY, INC	FEE TLE	0.92 AC	961 SQ FT	0 SQ FT	961 SQ FT	0.90 AC	6558 SQ FT
11**	4.5 4.6	COLLEGE PARK ASSOCOATES CONDOMINIUM COMMON ELEMENTS	TLE	0.73 AC	0 SQ FT	0 SQ FT	0 SQ FT	0.73 AC	683 SQ FT
12*	4.5	SHIVMAHIMA, INC	TLE	2.56 AC	0 SQ FT	0 SQ FT	0 SQ FT	2.56 AC	821 SQ FT
13**	4.6	3169 VAN ROY, LLC	FEE TLE	12.56 AC	545 SQ FT	0 SQ FT	545 SQ FT	12.55 AC	5875 SQ FT
14**	4.6	MASTER LUBE, INC	FEE TLE	0.69 AC	5117 SQ FT	0 SQ FT	5117 SQ FT	0.57 AC	5471 SQ FT
16**	4.6	NOVO GRANDE LLC	FEE TLE	2.12 AC	2634 SQ FT	0 SQ FT	2634 SQ FT	2.06 AC	8468 SQ FT
18**	4.6	MADURODAM PROPERTIES LLC	TLE	2.92 AC	0 SQ FT	0 SQ FT	0 SQ FT	2.92 AC	261 SQ FT
90***	4.4 4.5 4.6	AT & T	RELEASE OF RIGHTS		----	----	----	----	----
91*	4.4	TOWN OF BUCHANAN	RELEASE OF RIGHTS		----	----	----	----	----
92***	4.5 4.6	WE ENERGIES ELECTRICAL	RELEASE OF RIGHTS		----	----	----	----	----
93***	4.5 4.6	TIME WARNER CABLE	RELEASE OF RIGHTS		----	----	----	----	----
94*	4.5	WE ENERGIES GAS	RELEASE OF RIGHTS		----	----	----	----	----
95**	4.6	DARBOY JOINT SANITARY DISTRICT NO. 1 SEWER	RELEASE OF RIGHTS		----	----	----	----	----
96***	4.5	TDS METROCOM, LLC	RELEASE OF RIGHTS		----	----	----	----	----

*ACQUISITION FOR PROJECT ID 4160-05-71
**ACQUISITION FOR PROJECT ID 4160-05-73
***JOINT ACQUISITION FOR PROJECT ID'S 4160-05-71 & 4160-05-73

4

VILLAGE OF TOWN OF BUCHANON

SECTION 28

SECTION 27

SECTION 28

SECTION 28

SECTION 27

SEC 32

KIMBERLY

EISENHOWER DRIVE

TRUMAN ST

CTH CE

VAN ROY ROAD

THEATER WAY

N

4

4

GOV'T LOT 8 | GOV'T LOT 7 | GOV'T LOT 6 | GOV'T LOT 5 | GOV'T LOT 4

GOV'T LOT 3 | GOV'T LOT 2 | GOV'T LOT 1 | GOV'T LOT 8 | GOV'T LOT 7

GOV'T LOT 8 | GOV'T LOT 7 | GOV'T LOT 6 | GOV'T LOT 5 | GOV'T LOT 4

GOV'T LOT 3 | GOV'T LOT 2 | GOV'T LOT 1 | GOV'T LOT 8 | GOV'T LOT 7

BEECHWOOD PLAZA HOTEL

ASSOCIATED FINANCIAL

ZIMMER BROTHERS, LLC

J.D. DR PALARSKI

JONEN FAMILY LTD PARTNERSHIP

ALLAN R. BIRSCHBACH

DAVID M. & LAURIE A. ADEMINO

MICHAEL VAN ASTEN (LIBERTY HALL)

⑦ MICHAEL C., GORDON H. & RAMONA M. VAN ASTEN (McDONALDS)

⑧ CAPITAL CREDIT UNION

⑫ SHIVMAHIMA, INC

BRUCE HAWLEY

BRUCE H. & CHRISTINE W. ALLEN & ROCKIN E RANCH INC.

OPPORTUNITY INVESTMENTS

OPPORTUNITY INVESTMENTS

MICKY WAY MEDICAL, LLC

COLLEGE HOLDINGS INC.

BRIDGESTONE RETAIL OPERATIONS

① JBOK ENTERPRISES LLC

② CLUBHOUSE DEVELOPMENT GROUP, LLC

③ ABS 1, LLC

④ PETER D. & JANET L. ROUG

⑥ VK REAL ESTATE HOLDING CO., LLC (BURGER KING)

⑨ MISSOURI REAL ESTATE AND INSURANCE AGENCY INC.

⑪ MARK J. & ANN STEINMETZ CHRISTOPHER J. GLAPA MUD CREEK DEVELOPERS

IFP INVESTMENTS, LLC

C.J. HAGEN REAL ESTATE, LLC

THE BUNTING FAMILY, LLC

R. FAMILY INVESTMENTS, LLC

GARY L. & MARILYN SANDERFOOT

JAMES L. VANDENBERG

DAVID R. & MARCIA R. SCHUMACHER

CLUBHOUSE DEVELOPMENT GROUP, LLC

3169 VAN ROY, LLC

⑬

⑭ MASTER LUBE INC.

⑯ NOVO GRANDE, LLC

⑱ MADURODAM PROPERTIES, LLC

P/L

REVISION DATE	9-18-2014	10-30-2014 NC	1-6-2015 NC

DATE JULY 25, 2014

GRID FACTOR _____

SCALE, FEET

0 150 300

HWY: CTH CE

COUNTY: OUTAGAMIE

STATE R/W PROJECT NUMBER ----

CONSTRUCTION PROJECT NUMBER 4160-05-71/73

PLAT SHEET 43

PS&E SHEET --143

E

FILE NAME : F:\TR\JOBS\E1887A09\CIVIL 3D 2012\RW\E1887LOCATION.DWG

PLOT DATE : 1/5/2015 4:58 PM

PLOT BY : DAVE A. YURK

PLOT NAME : _____ PLOT SCALE : **********

EAST MEANDER CORNER
SEC 30 SOUTH OF FOX RIVER
MAG NAIL FOUND
Y: 563127.62
X: 837660.22

C-1
PI: 196+83.58
Y: 561017.88
X: 842776.26
DELTA: 06°44'30"
RADIUS: 11,459.16'
LENGTH: 1348.33'
LONG CHORD: 1347.56'
LC BEARING: S86°25'14"E

GOV'T LOT 8

VILLAGE

GOV'T LOT 7

OF

KIMBERLY

GOV'T LOT 5

TRUMAN ST.

60.00'

N

CURVE A
R-11459.16'
L-870.07'
LC-869.86'
LCB-S87°36'58.5"E

CURVE B
R-11459.16'
L-874.25'
LC-874.04'
LCB-S87°36'21.5"E

CURVE C
R-11459.16'
L-991.37'
LC-991.06'
LCB-S87°18'46.5"E

SECTION 28

J.D. DR PALARSKI

LOT 1
CSM 558
VOL 3, PG 558

JONEN FAMILY LTD PARTNERSHIP

ALLAN R. BIRSCHBACH

DAVID M. & LAURIE A. ADEMINO

GOV'T LOT 6

6941.10'

GOV'T LOT LINE

P/L

3/4" REB

SLOPE INTERCEPT

Y: 561036.53
X: 837654.09

110.00'

S89°47'29"E

3538.63'

185+00

4447.26'

908.63'

PC 190+08.63
Y: 561020.33
X: 842101.32

190+00

CURVE A
CURVE B
CURVE C

SEE SHEET 4.5
MATCH LINE
STA 193+00.00

SEC LINE

4850.00'

N00°10'00"E

CTH CE (COLLEGE AVE.)

18"

24" CMP

530

531

15' UTILITY EASEMENT

15' UTILITY EASEMENT PER CSM

351

350

90

TLE FOR SLOPING

(OUTAGAMIE COUNTY)
BEGIN RELOCATION ORDER
STATION 181+00.00
4837.09' NORTH OF AND 3552.71' EAST OF THE SW CORNER OF SECTION 29, T21N, R18E, CITY OF APPLETON, OUTAGAMIE COUNTY WISCONSIN.
Y: 561023.64
X: 841192.70

MILKY WAY MEDICAL, LLC

COLLGE HOLDINGS INC.

BRIDGESTONE RETAIL OPERATIONS

69.00'

LOWES LANE

JBOK ENTERPRISES, LLC

1

SLOPE INTERCEPTS

TOWN

OF

BUCHANAN

LOT 1
CSM 1985
VOL11, PG 1985

LOT 1
CSM 5395
VOL 31, PG 5395

LOT 2
CSM 5395
VOL 31, PG 5395

LOT 1
CSM 5669
VOL 32, PG 5669

SECTION 28

GOV'T LOT 8

GOV'T LOT 7

STATION 0+00.00
Y: 560620.92
X: 841832.27

91

20' STORM SEWER EASEMENT, DOC. NO. 1716622

10' UTILITY EASEMENT PER CSM

0+00

33.00'

S89°16'48"E

762.75'

5+00

VAN ROY RD.

SEE SHEET 4.6
MATCH LINE
STA 5+60.00

SW CORNER SEC 29
6"x6" CUT LIMESTONE
FOUND
Y: 556186.55
X: 837639.99

REVISION DATE	9-18-2014	10-30-2014 NC	1-6-2015 NC

DATE JULY 25, 2014

GRID FACTOR _____

SCALE, FEET
0 50 100

HWY: CTH CE

COUNTY: OUTAGAMIE

STATE R/W PROJECT NUMBER ----

CONSTRUCTION PROJECT NUMBER 4106-05-71/73

PLAT SHEET 44

PS&E SHEET --144

E

FILE NAME : F:\TR\JOBS\E1887A09\CIVIL 3D 2012\RW\E1887SHEETS.DWG

PLOT DATE : 9/3/2008 9:55 AM

PLOT BY : DAVE A. YURK

PLOT NAME : _____ PLOT SCALE : 1 IN:100 FT_XREF

WISDOT/CADDS SHEET 75

C-1
PI: 196+83.58
Y: 561017.88
X: 842776.26
DELTA: 06°44'30"
RADIUS: 11,459.16'
LENGTH: 1348.33'
LONG CHORD: 1347.56'
LC BEARING: S86°25'14"E

C-2
RADIUS: 11,459.16'
LENGTH: 95.95'
LONG CHORD: 95.95'
LC BEARING: S84°35'41"E

C-3
RADIUS: 11,459.16'
LENGTH: 77.20'
LONG CHORD: 77.20'
LC BEARING: S84°38'29"E

LOT 1
CSM 3582
VOL 19, PG 3582

SECTION 28

SIA 305+00.00
Y: 561473.87
X: 843093.49

TRUMAN ST.

60.00'

GOV'T LOT 2

SIGN NO	SIGN OWNER
6-1	BURGER KING
7-2	MCDONALDS
9-3	MOTO MART

VACATED TRUMAN ST. J.9915, I.4-8

VACATED TRUMAN STREET

40' INGRESS EGRESS EASEMENT
MCDONALDS
J. 16604 I. 25 DOC NO. 1148066

VILLAGE OF KIMBERLY

SECTION 28

GOV'T LOT 4

GOV'T LOT 5

GOV'T LOT 3

MICHAEL G., GORDON H. & RAMONA M. VAN ASTEN (McDONALDS)

LOT 2
CSM 4061
VOL 22, PG 4061

MICHAEL VAN ASTEN (LIBERTY HALL)

LOT 1
CSM 4061
VOL 22, PG 4061

EAST MEANDER CORNER
SEC 30 SOUTH OF FOX RIVER
MAG NAIL FOUND
Y: 563127.62
X: 837660.22

6941.10'

N00°15'05"E 143.53'

N00°15'05"E 500.00'

R/L - GOV'T LOT LINE

EISENHOWER DR.

TLE FOR SLOPING

15' UTILITY EASEMENT PER CSM

15' UTILITY EASEMENT PER PLAT

WE ENERGIES - ELECTRIC F/K/A WIS ELECTRIC POWER CO., 8' UTILITY EASEMENT DOC NO. 1222209

AT & T F/K/A WIS BELL INC 10' UTILITY EASEMENT J. 11304, I. 54, DOC NO. 1008211

WE ENERGIES - ELECTRIC F/K/A WIS ELECTRIC POWER CO., 8' UTILITY EASEMENT J. 7477, I. 3-7, DOC NO. 1008211

KIMBERLY INDUSTRIES PARK PLAT
LOT 11

CAPITAL CREDIT UNION

200+00.00 C.T.H. CE
300+00.00 STA AHEAD EISENHOWER
302+04.78 STA BACK EISENHOWER
Y: 560973.87
X: 843091.29

(OUTAGAMIE COUNTY)
END RELOCATION ORDER
STATION 206+00.00
4720.24' NORTH OF AND 6047.51' EAST OF THE SW CORNER OF SECTION 29, T21N, R18E, CITY OF APPLETON, OUTAGAMIE COUNTY, WISCONSIN.
Y: 560906.79
X: 843687.50

LOT 3
CSM 2681
VOL 14, PG 2681

SHIVMAHIMA, INC

PT 203+59.96
Y: 560936.20
X: 843446.25

BENCH

(TOWN OF BUCHANAN)
END RELOCATION ORDER
STATION 300+15.13
4597.66' NORTH OF AND 5450.47' EAST OF THE SW CORNER OF SECTION 29, T21N, R18E, CITY OF APPLETON, OUTAGAMIE COUNTY, WISCONSIN. Y: 560784.21 X: 843090.46

CTH CE
(COLLEGE AVE.)

S83°02'59"E 243.04'

205+00

110.00'

115.00'

LINE TABLE
L-1 S89°44'55"E 40.00'

LOT 11
COLLEGE PARK

COMMERCIAL PLAT
MISSOURI REAL ESTATE AND INSURANCE COMPANY INC. (MOTO MART)

COLLEGE PARK ASSOCIATES CONDOMINIUM

COLLEGE PARK ASSOCIATES CONDOMINIUM COMMON ELEMENTS

WE ENERGIES - ELECTRIC F/K/A WIS ELECTRIC POWER CO., 12' UTILITY EASEMENT DOC NO. 1395368

IFP INVESTMENTS, LLC

C.J. HAGEN REAL ESTATE, LLC

LOT 1
CSM 3975
VOL 21, PG 3975

LOT 2
CSM 3975
VOL 21, PG 3975

PI 23+40.03
Y: 560570.72
X: 843427.59

CLUBHOUSE DEVELOPMENT GROUP
LOT 2
CSM 5669
VOL 32, PG 5669

SW CORNER SEC 29
6"x6" CUT LIMESTONE FOUND
Y: 556186.55
X: 837639.99

ABS 1, LLC

LOT 1
CSM 5536
VOL 32, PG 5536

PETER D. & JANET L. ROUG
LOT 1
CSM 5264
VOL 30, PG 5864

VK REAL ESTATE HOLDING CO., LLC (BURGER KING)
LOT 1 CSM 1426
VOL 8, PG 1426

WE ENERGIES - ELECTRIC F/K/A WIS ELECTRIC POWER CO., AT & T F/K/A/ WIS BELL INC UTILITY EASEMENT J. 14373, I. 3-8, DOC NO. 1088843 8', & 15' EASEMENT

TOWN OF BUCHANAN

SECTION 28

10' UTILITY EASEMENT PER CSM

GOV'T LOT LINE

P/L

R/L

E

SAN

FO

W

GAS

CMP

PVC

MATCH LINE STA 193+00.00 SEE SHEET 4.4

MATCH LINE STA 5+60.00 SEE SHEET 4.4

4447.26
S89°47'29"E

4850.00'

N00°10'00"E

PC 190+08.63

195+00

R-11459.16'
L-870.07'
LC-869.86'
LCB-S87°36'58.5"E

R-11459.16'
L-874.25'
LC-874.04'
LCB-S87°36'21.5"E

R-11459.16'
L-991.37'
LC-991.06'
LCB-S87°18'46.5"E

N04°33'32"E 110.00'

S04°34'47"W 111.63'

N05°38'43"E 110.00'

S05°33'05"W 125.62'

S00°15'05"W 277.59'

366.66'

40.00'

110.00'

C-1

C-2

C-3

300+00

S89°16'48"E 726.75'

S89°17'26"E 530.90'

33.00'

10+00

22+50

CURVE B

S82°30'45"E 220.17'

197

218

3/4" REB

1 1/4" REB

1 1/4" IP

1" IP

PK NAIL

CMP

REVISION DATE	9-18-2014	10-30-2014	1-6-2015

DATE JULY 25, 2014

GRID FACTOR _____

SCALE, FEET
0 50 100

HWY: CTH CE

COUNTY: OUTAGAMIE

STATE R/W PROJECT NUMBER ----

CONSTRUCTION PROJECT NUMBER 4160-05-71/73

PLAT SHEET 4.5

PS&E SHEET --145

E

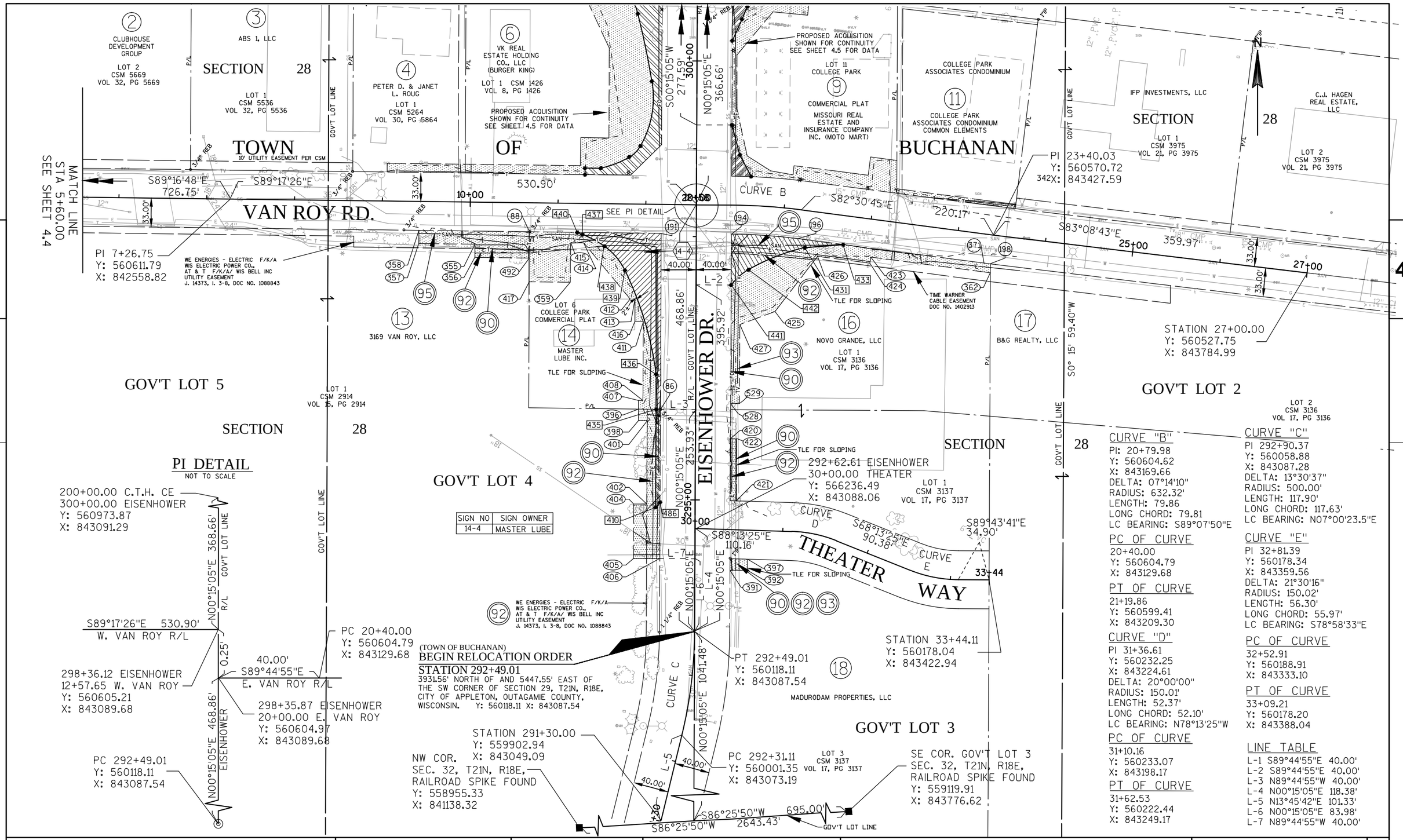
FILE NAME : F:\TR\JOBS\E1887A09\CIVIL 3D 2012\RW\E1887SHEETS.DWG

PLOT DATE : 9/3/2008 9:55 AM

PLOT BY : DAVE A. YURK

PLOT NAME : _____ PLOT SCALE : 1 IN:100 FT_XREF

WISDOT/CADDS SHEET 75



REVISION DATE	9-18-2014	10-30-2014 NC	1-6-2015 NC

DATE JULY 25, 2014	SCALE, FEET 0 50 100	HWY: CTH CE	STATE R/W PROJECT NUMBER ----	PLAT SHEET 4.6	
GRID FACTOR _____		COUNTY: OUTAGAMIE	CONSTRUCTION PROJECT NUMBER 4160-05-71/73	PS&E SHEET --146	E

FILE NAME : F:\TR\JOBS\E1887A09\CIVIL 3D 2012\RW\E1887SHEETS.DWG PLOT DATE : 9/3/2008 9:55 AM PLOT BY : DAVE A. YURK PLOT NAME : _____ PLOT SCALE : 1 IN:100 FT_XREF

WISDOT/CADDS SHEET 75

ROW LINE TABLE

PARCEL 7 RIGHT-OF-WAY		
LINE	BEARING	DISTANCE
384-386	N74°56'21"E	41.48'
386-388	SEE CURVE TABLE	
388-389	N29°41'23"E	27.50'
389-48	S00°15'05"W	53.97'
48-384	SEE CURVE TABLE	
PARCEL 7 RIGHT-OF-WAY		
LINE	BEARING	DISTANCE
533-532	SEE CURVE TABLE	
532-535	N00°15'05"E	48.05'
535-536	N06°22'15"W	2.06'
536-220	S89°44'55"E	2.55'
220-533	S00°15'05"W	98.50'
PARCEL 8 RIGHT-OF-WAY		
LINE	BEARING	DISTANCE
460-459	N25°28'52"W	75.50'
459-458	N12°36'16"W	148.89'
458-47	S00°15'05"W	207.14'
47-460	SEE CURVE TABLE	
PARCEL 6 RIGHT-OF-WAY		
LINE	BEARING	DISTANCE
495-498	S46°36'02"E	7.87'
498-499	SEE CURVE TABLE	
499-510	S61°19'11"E	18.45'
510-513	SEE CURVE TABLE	
513-514	SEE CURVE TABLE	
514-515	SEE CURVE TABLE	
515-517	SEE CURVE TABLE	
517-516	SEE CURVE TABLE	
516-518	N89°45'51"W	17.67'
518-519	S01°14'09"W	7.18'
519-378	S89°17'26"E	52.03'
378-379	N45°28'50"E	49.30'
379-24	N00°15'05"E	165.00'
24-25	N59°48'45"W	58.08'
25-443	N82°25'28"W	35.12'
PARCEL 9 NORTH RIGHT-OF-WAY		
LINE	BEARING	DISTANCE
473-474	SEE CURVE TABLE	
474-472	SEE CURVE TABLE	
472-475	S24°25'38"W	26.94'
475-29	N00°15'05"E	39.24'
29-473	N67°36'54"E	27.40'
PARCEL 9 SOUTH RIGHT-OF-WAY		
LINE	BEARING	DISTANCE
537-195	S00°15'05"W	53.31'
195-471	SEE CURVE TABLE	
471-539	N28°02'41"W	28.03'
539-537	N14°35'47"W	35.18'
PARCEL 14 RIGHT-OF-WAY		
LINE	BEARING	DISTANCE
86-435	N89°17'26"W	5.00'
435-436	N00°15'05"E	39.81'
436-439	SEE CURVE TABLE	
439-438	SEE CURVE TABLE	
438-437	SEE CURVE TABLE	
437-440	N66°33'48"W	6.45'
440-191	S89°17'26"E	95.71'
191-86	S00°15'05"W	200.50'
PARCEL 16 RIGHT-OF-WAY		
LINE	BEARING	DISTANCE
441-442	SEE CURVE TABLE	
442-431	SEE CURVE TABLE	
431-433	N85°25'01"E	43.72'
433-196	N82°30'45"W	51.99'
196-194	SEE CURVE TABLE	
194-441	S00°15'05"W	57.95'
PARCEL 13 RIGHT-OF-WAY		
LINE	BEARING	DISTANCE
86-435	N89°17'26"W	5.00'
435-410	S00°15'05"W	111.66'
410-486	SEE CURVE TABLE	
486-86	N00°15'05"E	105.67'

TLE LINE TABLE

PARCEL 6 TLE		
LINE	BEARING	DISTANCE
495-498	S46°36'02"E	7.87'
498-499	SEE CURVE	TABLE
499-510	S61°19'11"E	18.45'
510-513	SEE CURVE	TABLE
513-514	SEE CURVE	TABLE
514-515	SEE CURVE	TABLE
515-517	SEE CURVE	TABLE
517-516	SEE CURVE	TABLE
516-518	N89°45'51"W	17.67'
518-519	S01°14'09"W	7.18'
519-63	N89°17'26"W	136.47'
63-337	N00°15'05"E	10.00'
337-430	S89°17'26"E	131.20'
430-432	N00°42'34"E	32.00'
432-461	S89°17'26"E	32.05'
461-521	N00°15'05"E	102.25'
521-523	N24°54'51"W	100.53'
523-495	S82°25'28"E	17.73'

PARCEL 9 TLE		
LINE	BEARING	DISTANCE
473-28	N67°36'54"E	22.63'
28-527	SEE CURVE	TABLE
527-524	S05°51'56"W	25.00'
524-525	N84°14'04"W	39.51'
525-485	S39°57'53"W	64.23'
485-478	S00°00'11"E	61.00'
478-479	S12°10'15"E	55.29'
479-476	S57°39'46"E	31.87'
476-480	S79°56'10"E	25.75'
480-481	N06°13'54"E	10.54'
481-360	S82°41'21"E	85.07'
360-361	N07°29'15"E	21.00'
361-538	S82°30'45"E	30.19'
538-218	S00°15'05"W	32.36'
218-197	N82°30'45"W	105.03'
197-471	SEE CURVE	TABLE
471-539	N28°02'41"W	28.03'
539-537	N14°35'47"W	35.18'
537-475	N00°15'15"E	100.86'
475-472	N24°25'38"E	26.94'
472-474	SEE CURVE	TABLE
474-473	SEE CURVE	TABLE

TLE LINE TABLE

PARCEL 13 TLE		
LINE	BEARING	DISTANCE
435-410	S00°15'05"W	111.66'
410-486	SEE CURVE	TABLE
486-406	S00°15'05"E	64.27'
406-405	N89°44'55"W	30.00'
405-404	N00°15'05"E	62.00'
404-402	S89°44'55"E	15.00'
402-401	N00°15'05"E	95.00'
401-398	N89°44'55"W	10.00'
398-396	N00°15'05"E	13.14'
396-435	S89°17'26"E	20.00'
PARCEL 14 TLE		
86-435	N89°17'26"W	5.00'
435-436	N00°15'05"E	39.81'
436-439	SEE CURVE	TABLE
439-438	SEE CURVE	TABLE
438-437	SEE CURVE	TABLE
437-440	N66°33'48"W	6.45'
440-88	N89°17'26"W	54.27'
88-417	S00°15'05"W	57.00'
417-359	S89°17'26"E	46.62'
359-415	N00°42'34"E	45.00'
415-414	S89°17'26"E	15.00'
414-412	S39°29'54"E	82.94'
412-413	N89°57'12"E	5.45'
413-416	S00°14'12"W	25.24'
416-411	N89°57'08"E	9.62'
411-408	S00°18'58"W	90.22'
408-407	N89°44'55"W	5.00'
407-395	S00°15'05"W	9.86'
395-435	S89°17'26"E	20.00'

TLE LINE TABLE

PARCEL 16 TLE		
LINE	BEARING	DISTANCE
441-442	SEE CURVE	TABLE
442-431	SEE CURVE	TABLE
431-433	N85°25'01"E	43.72'
433-371	S82°30'45"E	168.37'
371-198	S83°08'43"E	0.91'
198-362	S00°10'52"W	10.07'
362-423	N82°31'21"W	137.40'
423-424	S07°29'15"W	7.00'
424-426	N82°30'45"W	60.00'
426-425	S37°41'24"W	79.44'
425-427	S69°41'43"W	42.72'
427-529	S00°15'05"W	90.00'
529-528	N89°44'55"W	10.00'
528-441	N00°15'05"E	134.92'

STATION & OFFSET

POINT	STATION	OFFSET	DESC
334	9+05.00	33.00'	TLE
336	9+05.00	43.00'	TLE
341	22+24.25	38.00'	TLE
342	23+61.53	38.00'	TLE
345	197+43.13	116.00'	TLE
346	196+13.49	116.00'	TLE
347	196+14.13	128.00'	TLE
348	194+27.10	128.00	TLE
349	194+27.35	134.99	TLE
350	192+55.00	134.99	TLE
351	192+55.00	124.99	TLE
355	10+06.00	48.00'	TLE
356	10+06.00	63.00'	TLE
357	9+42.00	48.00'	TLE
358	9+42.00	33.00'	TLE
359	11+15.00	90.00'	TLE
360	21+90.00	49.00'	TLE
361	21+90.00	70.00'	TLE
362	23+41.92	43.00'	TLE
382	197+80.00	116.00'	TLE
383	197+80.00	110.00'	TLE
384	198+78.70	110.00'	RW
386	199+17.36	124.00'	RW
388	301+43.76	53.52'	RW
389	301+67.71	40.00'	RW
391	294+20.00	60.00'	TLE
392	294+20.00	40.00'	TLE
394	302+50.00	47.00'	TLE
395	302+50.00	40.00'	TLE
396	296+03.14	65.00'	TLE
397	294+32.78	60.00'	TLE
398	295+90.00	65.00'	TLE
399	301+92.12	40.00'	TLE
400	301+41.97	75.80'	TLE
401	295+90.00	55.00'	TLE
402	294+95.00	55.00'	TLE

STATION & OFFSET

POINT	STATION	OFFSET	DESC
403	199+13.34	135.28'	TLE
404	294+95.00	70.00'	TLE
405	294+33.00	70.00'	TLE
406	294+33.00	40.00'	TLE
407	296+13.00	65.00'	TLE
408	296+13.00	60.00'	TLE
410	294+91.33	45.00'	RW
411	297+03.22	59.90'	TLE
412	297+28.38	74.97'	TLE
413	297+28.41	69.52'	TLE
414	11+30.00	45.00'	TLE
415	11+15.00	45.00'	TLE
416	297+03.17	69.51'	TLE
417	10+68.37	90.00'	TLE
418	10+75.00	90.00'	TLE
420	295+70.00	40.00'	TLE
421	294+99.34	47.00'	TLE
422	295+70.00	47.00'	TLE
423	22+05.00	43.00'	TLE
424	22+05.00	50.00'	TLE
425	297+15.00	90.00'	TLE
426	21+45.00	50.00'	TLE
427	297+00.00	50.00'	TLE
430	11+25.00	43.00'	TLE
431	21+29.10	42.14'	RW
432	11+25.00	75.00'	TLE
433	21+71.85	33.00'	RW
436	296+42.80	45.00'	RW
437	11+28.15	35.49'	RW
438	11+53.35	48.48'	RW
439	297+61.14	81.17'	RW
440	11+22.20	33.00	RW
441	297+44.93	40.00'	RW
442	297+62.53	59.52'	RW
453	302+74.62	49.00'	TLE
454	304+06.62	49.00'	TLE

STATION & OFFSET

POINT	STATION	OFFSET	DESC
455	301+90.78	68.14'	TLE
456	200+90.98	128.00'	TLE
457	204+06.60	128.00''	TLE
458	303+14.06	40.00'	RW
459	301+68.91	73.13'	RW
460	200+95.95	110.00'	TLE
461	299+11.92	100.00'	TLE
465	204+75.00	122.00'	TLE
466	204+07.24	122.51'	TLE
467	204+75.00	110.00'	TLE
468	198+43.15	110.00'	TLE
469	299+22.18	40.00'	RW
470	298+98.19	46.32'	RW
471	20+61.00	33.00'	RW
472	300+47.62	51.03'	RW
473	300+72.83	65.30	RW
474	300+61.93	57.13'	RW
475	300+23.04	40.00'	RW
476	20+81.85	40.67'	TLE
478	299+46.00	45.62'	TLE
479	298+92.00	57.51'	TLE
480	21+06.00	49.00'	TLE
484	22+24.00	40.00'	TLE
485	300+07.00	45.35'	TLE
486	294+97.27	40.00'	RW
492	10+68.15	63.00'	RW
495	198+82.87	111.63'	RW
498	198+88.90	116.63'	RW
499	199+01.78	119.99'	RW
510	199+18.82	127.48'	RW
513	300+54.85	67.97'	RW
514	299+76.28	51.22'	RW
515	299+01.71	64.82'	RW
516	11+47.96	40.33'	RW
517	298+90.15	76.47'	RW
518	11+30.29	40.18'	RW
519	11+30.35	33.00'	RW
521	300+14.17	100.00'	TLE
523	198+65.00	140.00'	TLE
524	201+40.00	140.00'	TLE
525	201+00.00	140.00'	TLE
526	201+40.00	115.00'	TLE
528	296+10.00	40.00'	TLE
529	296+10.00	50.00'	TLE
530	191+40.00	110.00'	TLE
531	191+40.00	125.00'	TLE
532	303+59.65	42.31'	RW
533	303+11.24	40.00'	RW
534	304+09.74	47.00'	TLE
535	304+07.69	42.31'	RW
536	304+09.74	42.55'	RW
537	299+27.19	40.00'	RW
538	22+20.19	70.00'	TLE
537	298+93.19	49.01'	RW

CURVE TABLE

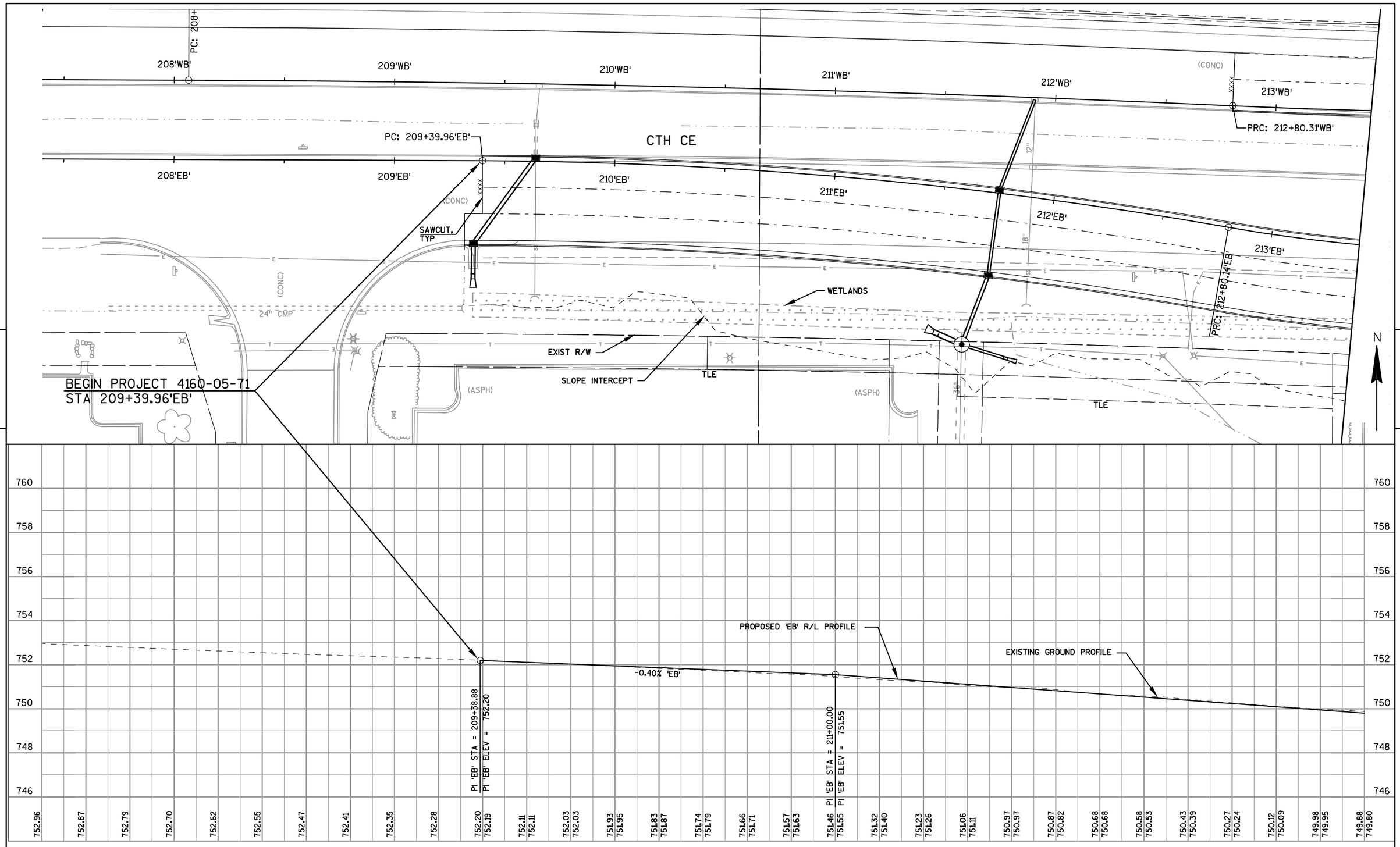
CURVE	CHORD	CHORD BEARING	ARC LENGTH	RADIUS	PARCEL NO.
386-388	23.33'	N55°17'57"E	23.72'	37.50'	7
48-384	72.86'	N85°15'44"W	72.86'	11,569.16'	7
533-532	48.47'	N02°28'56"W	48.47'	508.50'	7
47-460	66.18'	S84°31'07"E	66.18'	11,569.16'	8
498-499	13.04'	S70°08'36"E	13.09'	42.50'	6
510-513	37.39'	S37°56'46"E	38.48'	46.50'	6
513-514	80.34'	S11°47'00"E	80.35'	1084.50'	6
514-515	75.80'	S10°35'20"W	77.40'	109.50'	6
515-517	16.41'	S45°27'50"W	16.59'	32.50'	6
517-516	35.30'	S68°57'23"W	35.44'	114.50'	6
473-474	13.62'	S37°06'35"W	13.68'	40.00'	9-N
474-472	15.56'	S23°18'35"W	15.57'	111.50'	9-N
195-471	22.31'	S88°47'17"E	22.31'	665.32'	9-S
441-442	26.28'	N48°12'27"E	26.49'	60.50'	16
442-431	68.82'	N68°38'44"E	69.04'	250.50'	16
196-194	75.64'	N86°07'50"W	75.69'	599.32'	16
436-439	123.75'	N16°44'38"W	124.27'	391.50'	14
439-438	36.06'	N40°26'32"W	36.45'	71.50'	14
438-437	28.35'	N62°02'06"W	28.42'	116.50'	14
410-486	7.77'	N40°19'34"E	7.82'	19.33'	13
28-527	42.17'	S84°14'28"E	42.17'	11,344.16'	9
197-471	61.70'	N85°10'13"W	61.72'	665.32'	9

4

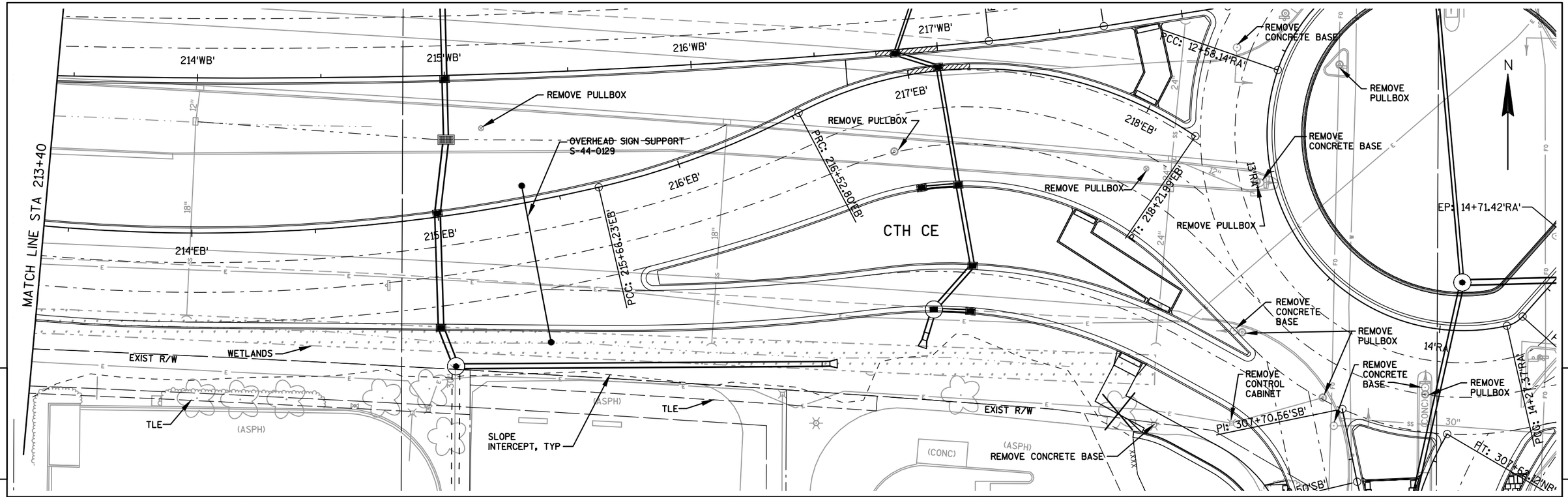
4

REVISION DATE	9-18-2014	10-30-2014 NC	1-6-2015

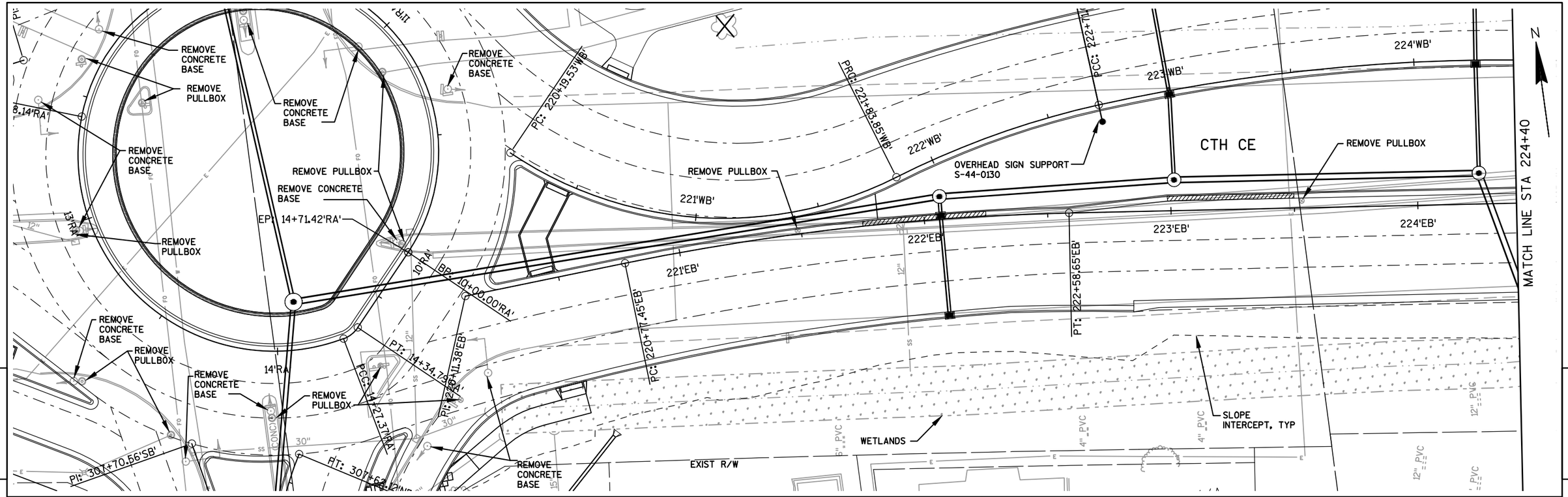
DATE JULY 25, 2014	SCALE, FEET	HWY: CTH CE	STATE R/W PROJECT NUMBER ----	PLAT SHEET 4.7	
GRID FACTOR _____	N/A	COUNTY: OUTAGAMIE	CONSTRUCTION PROJECT NUMBER 4160-05-71/73	PS&E SHEET --147	E



PROJECT NO: 4160-05-71 / 4160-05-73	HWY: CTH CE	COUNTY: OUTAGAMIE	PLAN AND PROFILE: CTH CE WEST EASTBOUND	SHEET 148	E



PROJECT NO: 4160-05-71 / 4160-05-73	HWY: CTH CE	COUNTY: OUTAGAMIE	PLAN AND PROFILE: CTH CE WEST EASTBOUND	SHEET 149	E



PROJECT NO: 4160-05-71 / 4160-05-73	HWY: CTH CE	COUNTY: OUTAGAMIE	PLAN AND PROFILE: CTH CE EAST EASTBOUND	SHEET 150	E

MATCH LINE STA 224+40

MATCH LINE STA 230+40

225'WB'

PRC: 225+20

226'WB'

227'WB'

228'WB'

229'WB'

230'WB'

PT: 229+04.44'WB'

12"/15"

12"

(ASPH)

CTH CE

PC: 226+07.54'EB'

225'EB'

226'EB'

227'EB'

228'EB'

229'EB'

230'EB'

SAWCUT, TYP

PT: 228+05.58'EB'

SLOPE INTERCEPT, TYP

WETLANDS

EXIST R/W

EXIST R/W

N

5

5

754

752

750

748

746

744

742

740

PROPOSED 'EB' R/L PROFILE

-0.51% 'EB'

EXISTING GROUND PROFILE

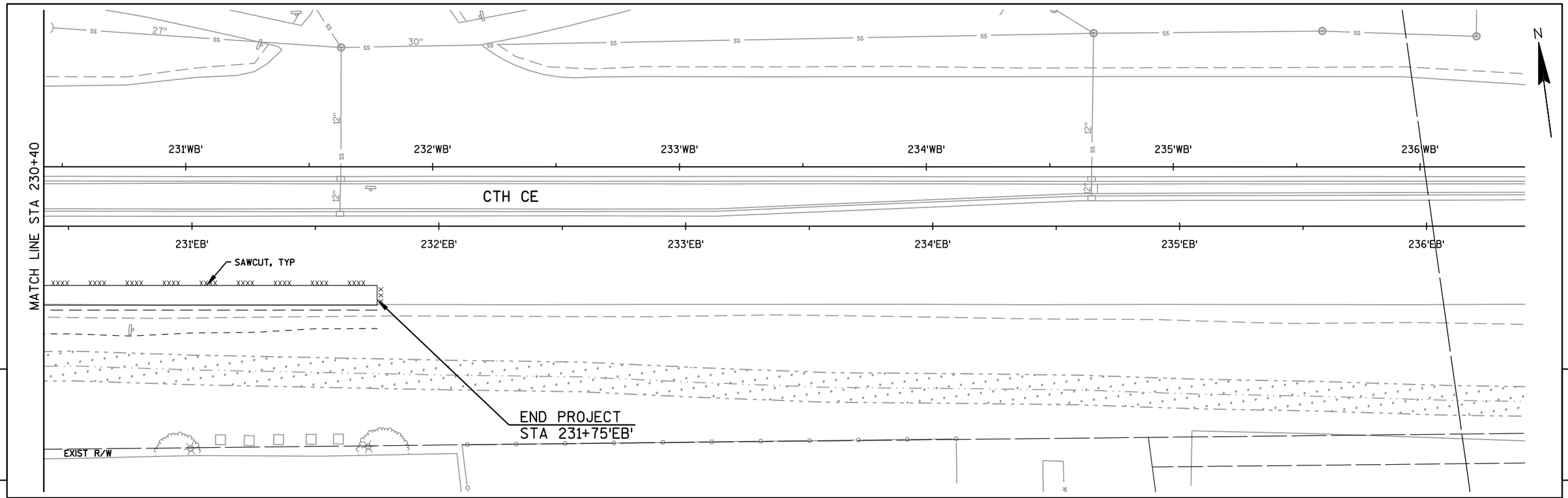
PI 'EB' STA = 226+07.54

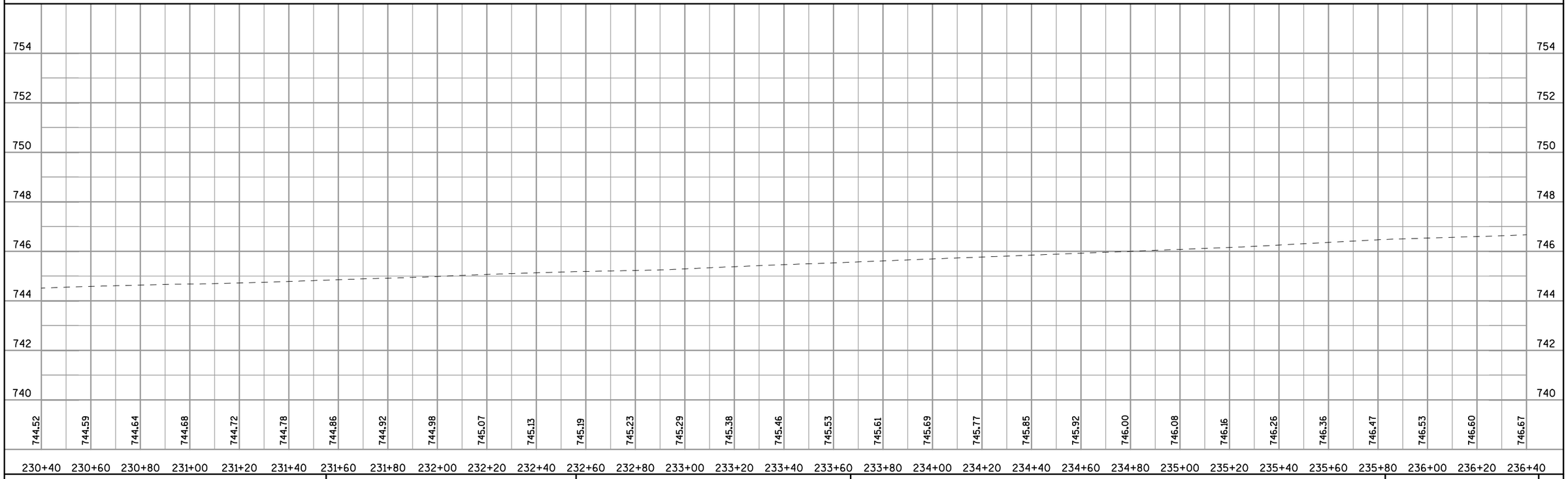
PI 'EB' ELEV = 745.44

746.16 746.29 746.07 746.19 746.01 746.09 745.93 745.99 745.86 745.89 745.76 745.78 745.64 745.68 745.52 745.58 745.45 745.48 745.42 745.37 745.30 745.24 745.17 745.06 744.95 744.88 744.82 744.78 744.73 744.68 744.63 744.59 744.56 744.51 744.44 744.42 744.39 744.38 744.45 744.52

224+40 224+60 224+80 225+00 225+20 225+40 225+60 225+80 226+00 226+20 226+40 226+60 226+80 227+00 227+20 227+40 227+60 227+80 228+00 228+20 228+40 228+60 228+80 229+00 229+20 229+40 229+60 229+80 230+00 230+20 230+40

PROJECT NO: 4160-05-71 / 4160-05-73	HWY: CTH CE	COUNTY: OUTAGAMIE	PLAN AND PROFILE: CTH CE EAST EASTBOUND	SHEET 151	E





PROJECT NO: 4160-05-71 / 4160-05-73	HWY: CTH CE	COUNTY: OUTAGAMIE	PLAN AND PROFILE: CTH CE EAST EASTBOUND	SHEET 152	E

FILE NAME : F:\TR\JOBS\E1887A09\CIVIL 3D 2012\SHEETSPLAN\416005_050101_PP.DWG
416005_050107_pp

PLOT DATE : 10/30/2014 9:46 AM PLOT BY : OMNNI ASSOCIATES, INC - DAVE PERRY

WISDOT/CADDS SHEET 44

SLOPE INTERCEPT, TYP

SAWCUT, TYP

202'WB' 203'WB' 204'WB' 205'WB' 206'WB' 207'WB'

BP: 201+92.25'WB'

CTH CE

202'EB' 203'EB' 204'EB' 205'EB' 206'EB' 207'EB'

18"/2"

18"

SS

N

MATCH LINE STA 207+40

BEGIN CONSTRUCTION
STA 201+93.19

5

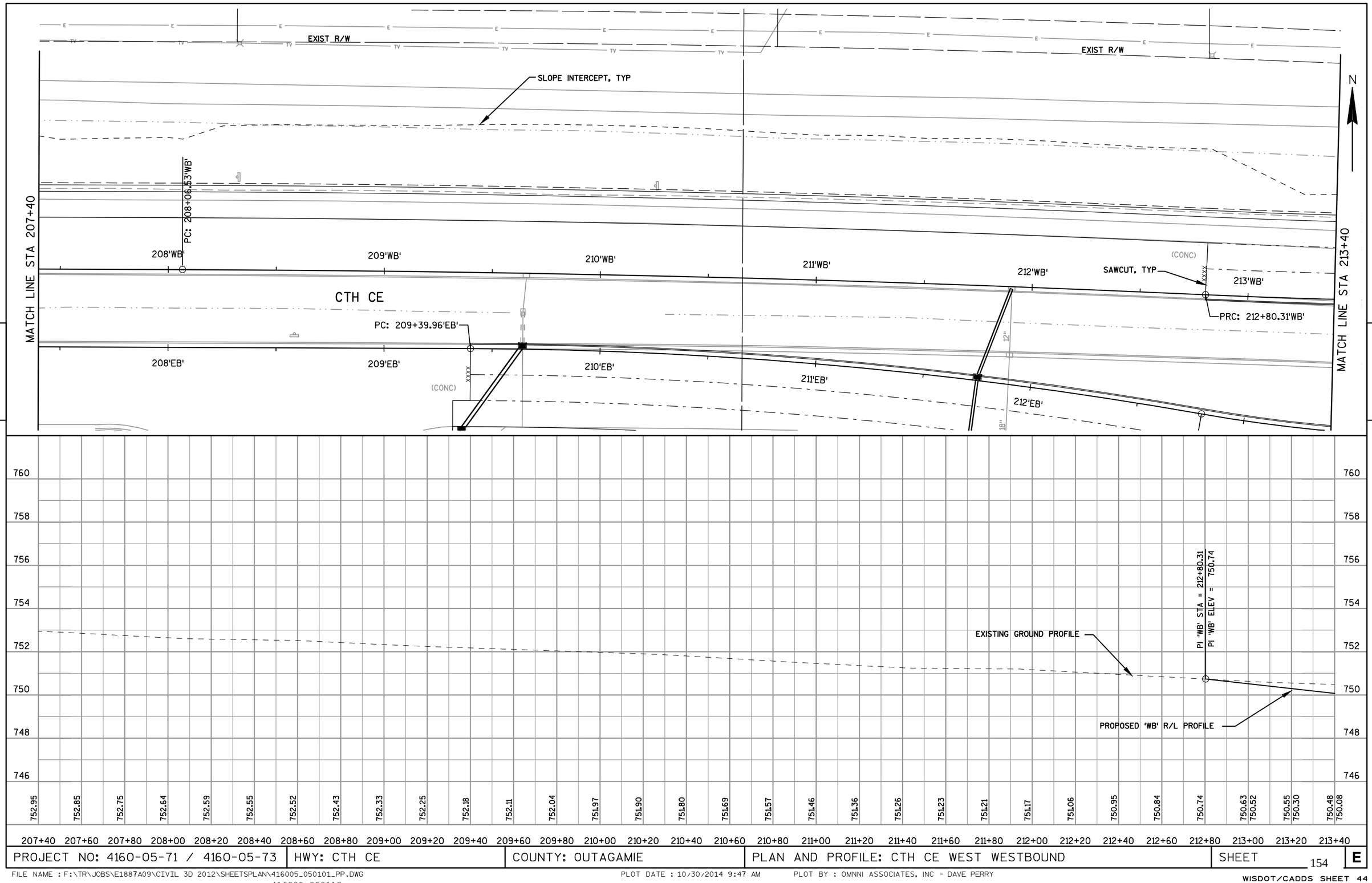
5

760 758 756 754 752 750 748 746

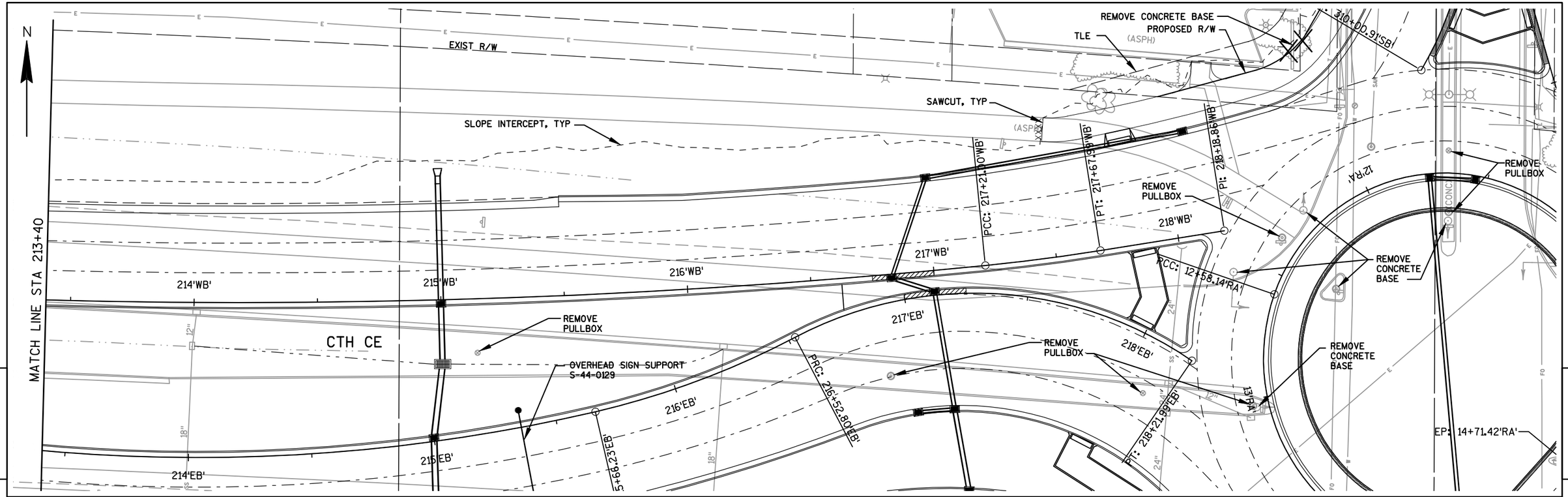
753.36 753.41 753.47 753.51 753.55 753.58 753.66 753.74 753.81 753.86 753.90 753.94 753.96 753.95 753.95 753.92 753.88 753.84 753.76 753.69 753.62 753.55 753.48 753.39 753.26 753.13 753.04 752.95

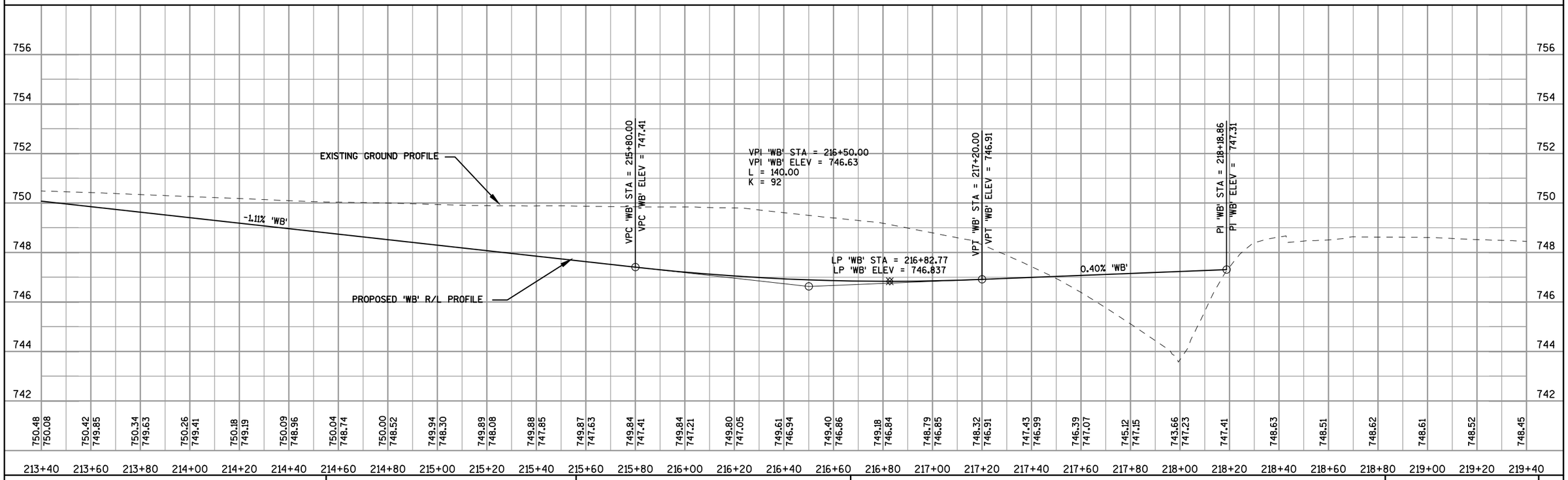
201+40 201+60 201+80 202+00 202+20 202+40 202+60 202+80 203+00 203+20 203+40 203+60 203+80 204+00 204+20 204+40 204+60 204+80 205+00 205+20 205+40 205+60 205+80 206+00 206+20 206+40 206+60 206+80 207+00 207+20 207+40

PROJECT NO: 4160-05-71 / 4160-05-73	HWY: CTH CE	COUNTY: OUTAGAMIE	PLAN AND PROFILE: CTH CE WEST WESTBOUND	SHEET 153	E

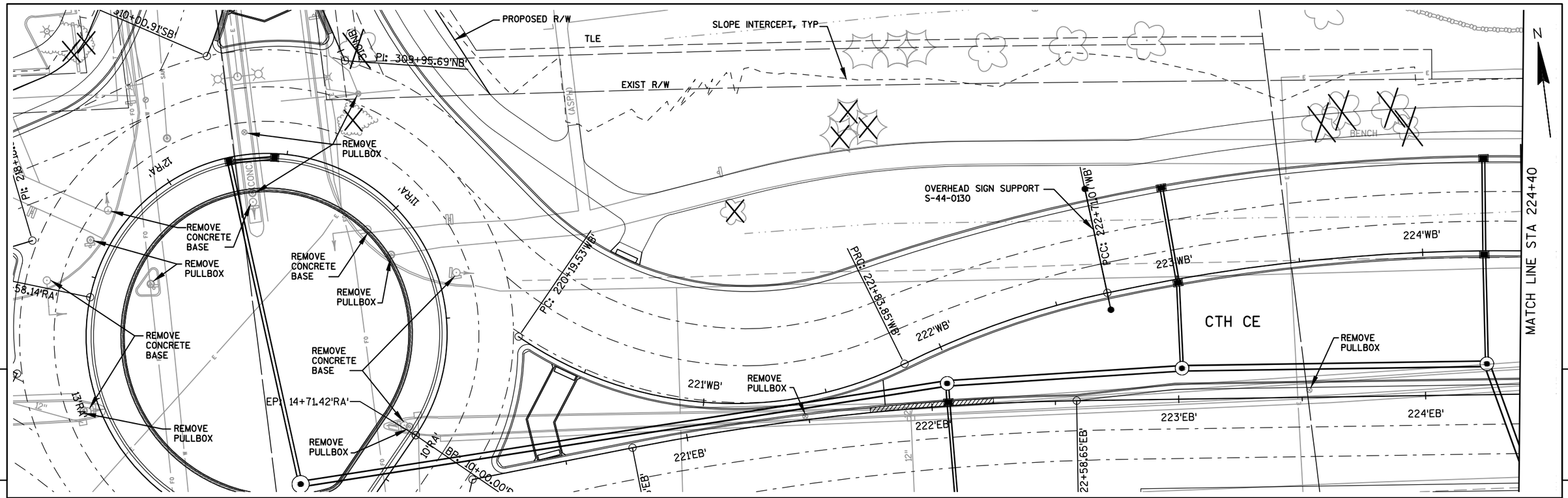


PROJECT NO: 4160-05-71 / 4160-05-73	HWY: CTH CE	COUNTY: OUTAGAMIE	PLAN AND PROFILE: CTH CE WEST WESTBOUND	SHEET 154	E

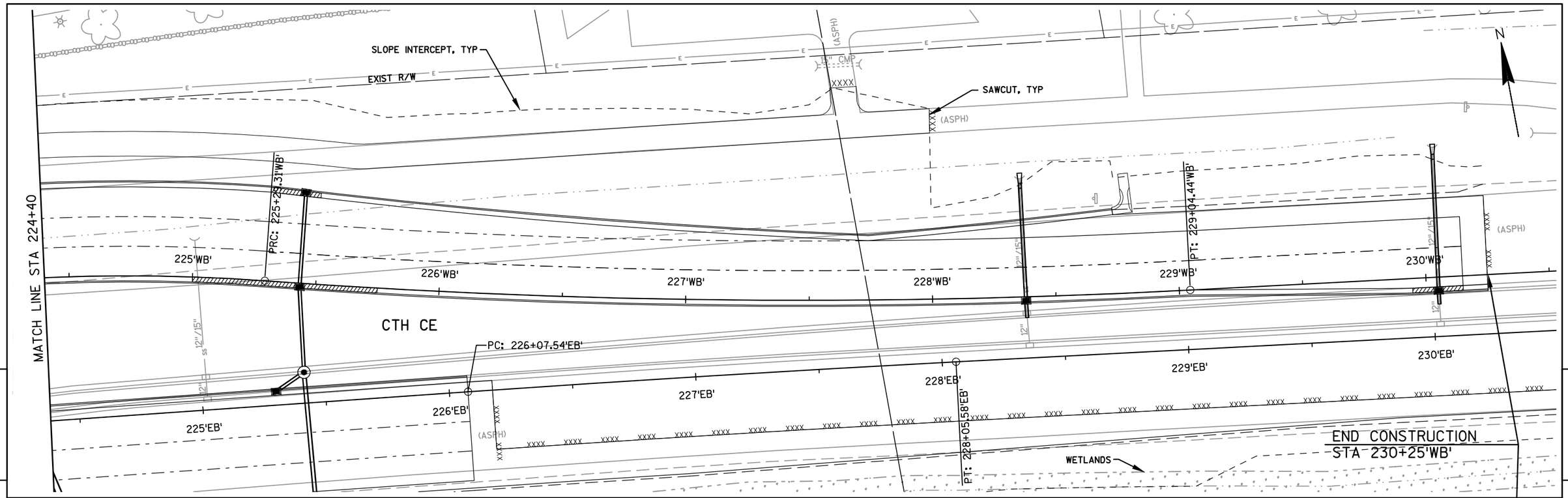




PROJECT NO: 4160-05-71 / 4160-05-73	HWY: CTH CE	COUNTY: OUTAGAMIE	PLAN AND PROFILE: CTH CE WEST WESTBOUND	SHEET 155	E



PROJECT NO: 4160-05-71 / 4160-05-73	HWY: CTH CE	COUNTY: OUTAGAMIE	PLAN AND PROFILE: CTH CE EAST WESTBOUND	SHEET 156	E



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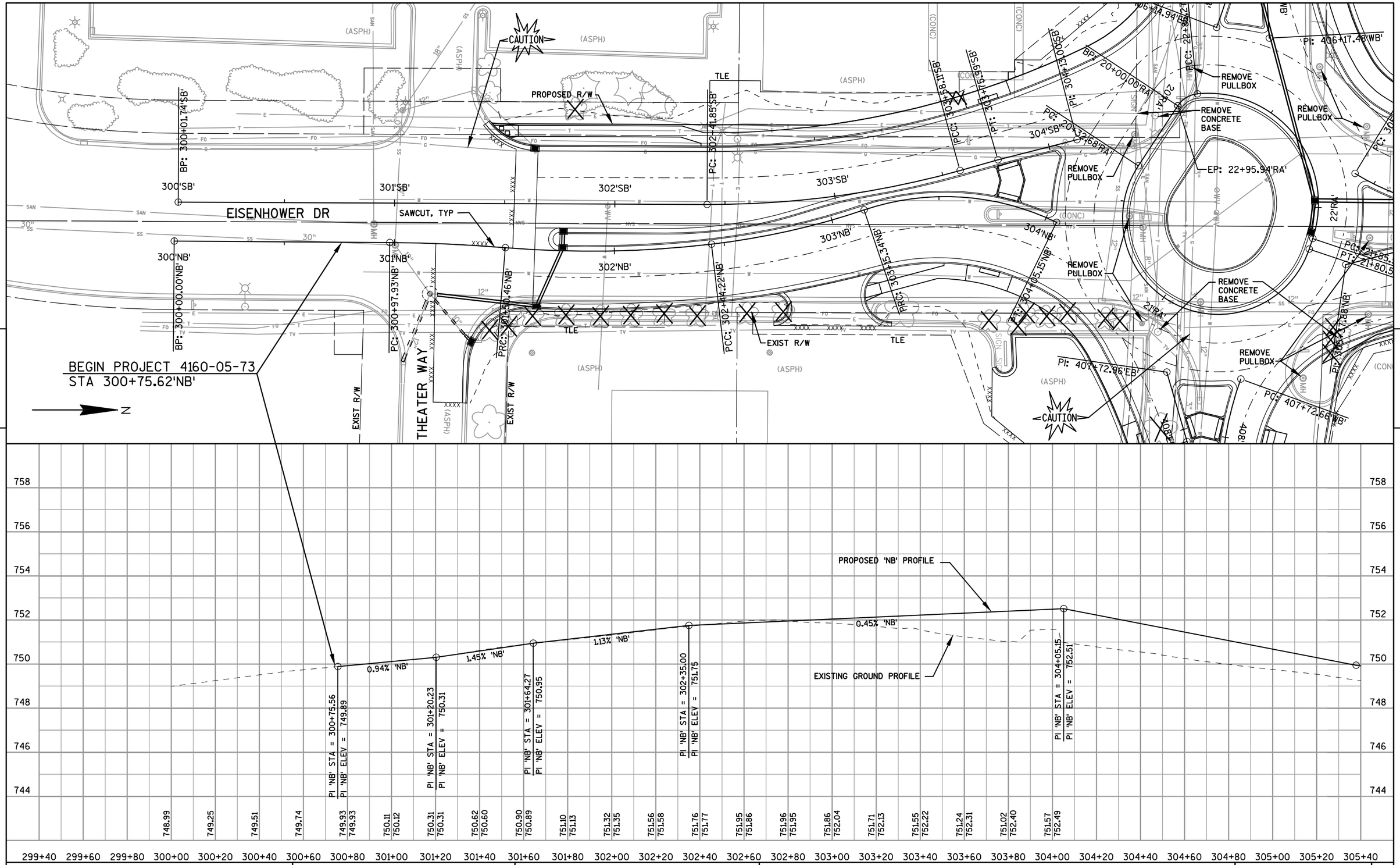
PROJECT NO: 4160-05-71 / 4160-05-73	HWY: CTH CE	COUNTY: OUTAGAMIE	PLAN AND PROFILE: CTH CE EAST WESTBOUND	SHEET 157	E

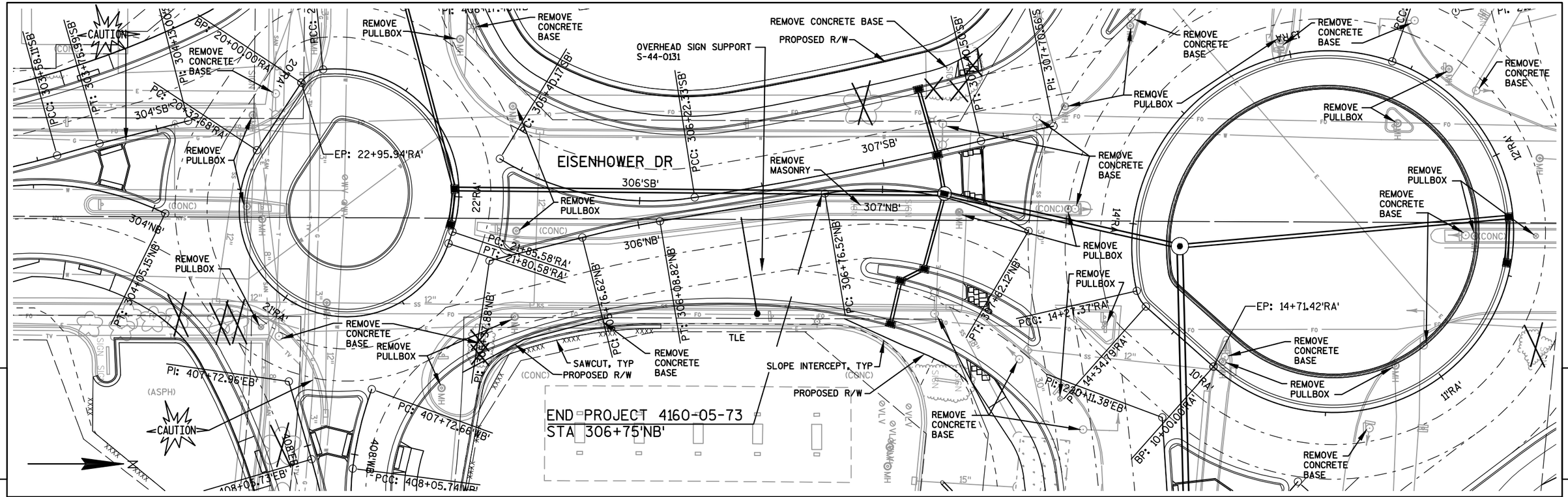


PROJECT NO: 4160-05-71 / 4160-05-73	HWY: CTH CE	COUNTY: OUTAGAMIE	PLAN AND PROFILE: EISENHOWER DRIVE NORTHBOUND	SHEET 158	E

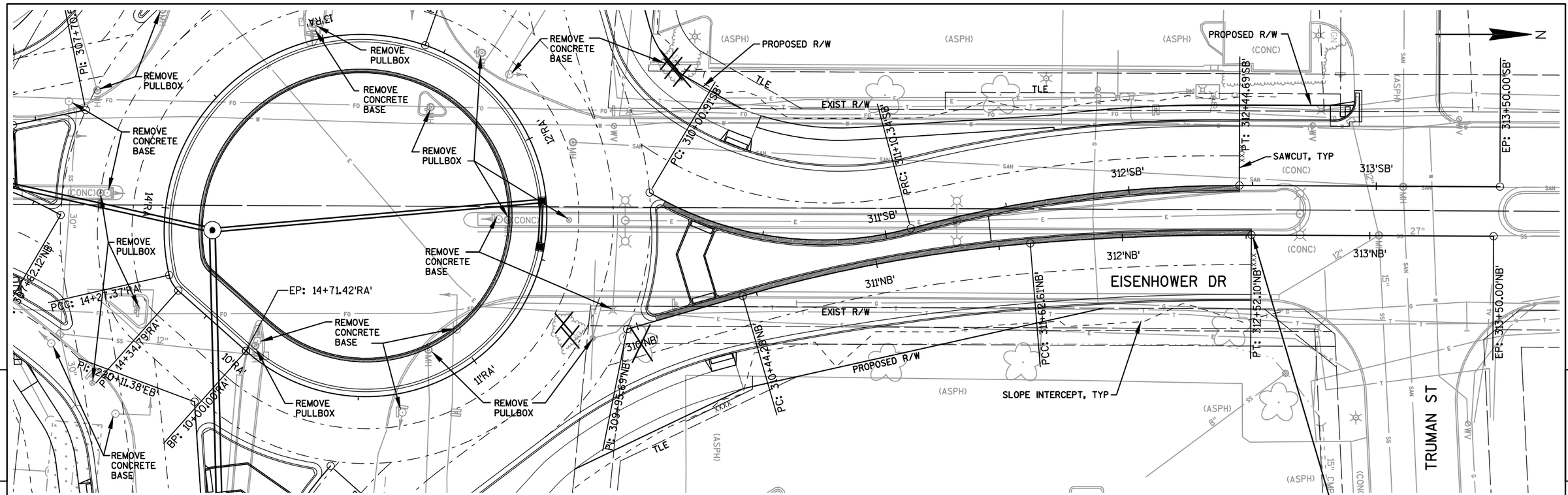
FILE NAME : F:\TR\JOBS\E1887A09\CIVIL 3D 2012\SHEETSPLAN\416005_050101_PP.DWG
416005_050131_pp

PLOT DATE : 10/30/2014 9:50 AM PLOT BY : OMNNI ASSOCIATES, INC - DAVE PERRY

WISDOT/CADDS SHEET 44



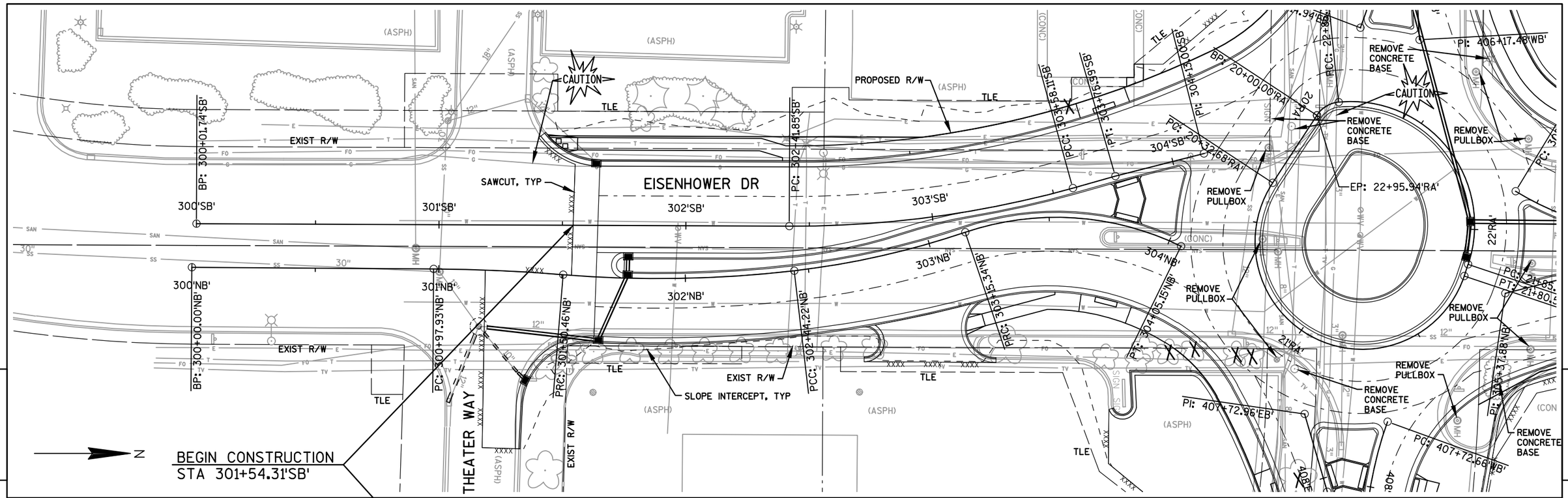
PROJECT NO: 4160-05-71 / 4160-05-73	HWY: CTH CE	COUNTY: OUTAGAMIE	PLAN AND PROFILE: EISENHOWER DRIVE NORTHBOUND	SHEET 159	E



PROJECT NO: 4160-05-71 / 4160-05-73	HWY: CTH CE	COUNTY: OUTAGAMIE	PLAN AND PROFILE: EISENHOWER DRIVE NORTHBOUND	SHEET 160	E

FILE NAME : F:\TR\JOBS\E1887A09\CIVIL 3D 2012\SHEETSPLAN\416005_050101_PP.DWG
416005_050133_pp

PLOT DATE : 10/30/2014 9:51 AM PLOT BY : OMNNI ASSOCIATES, INC - DAVE PERRY

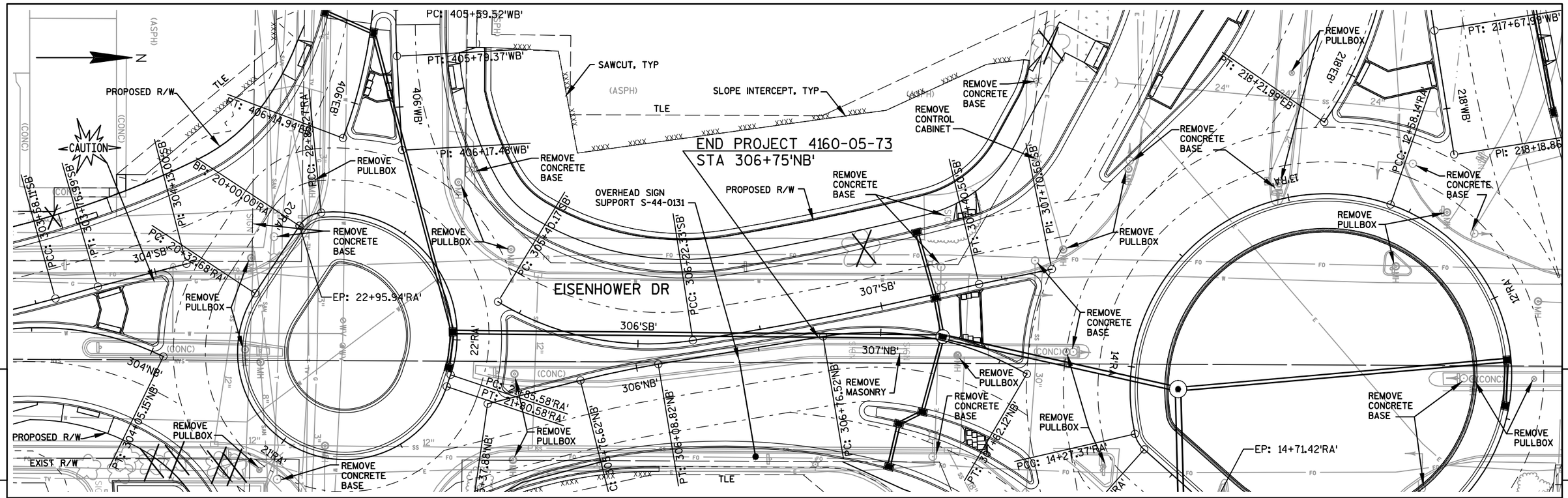


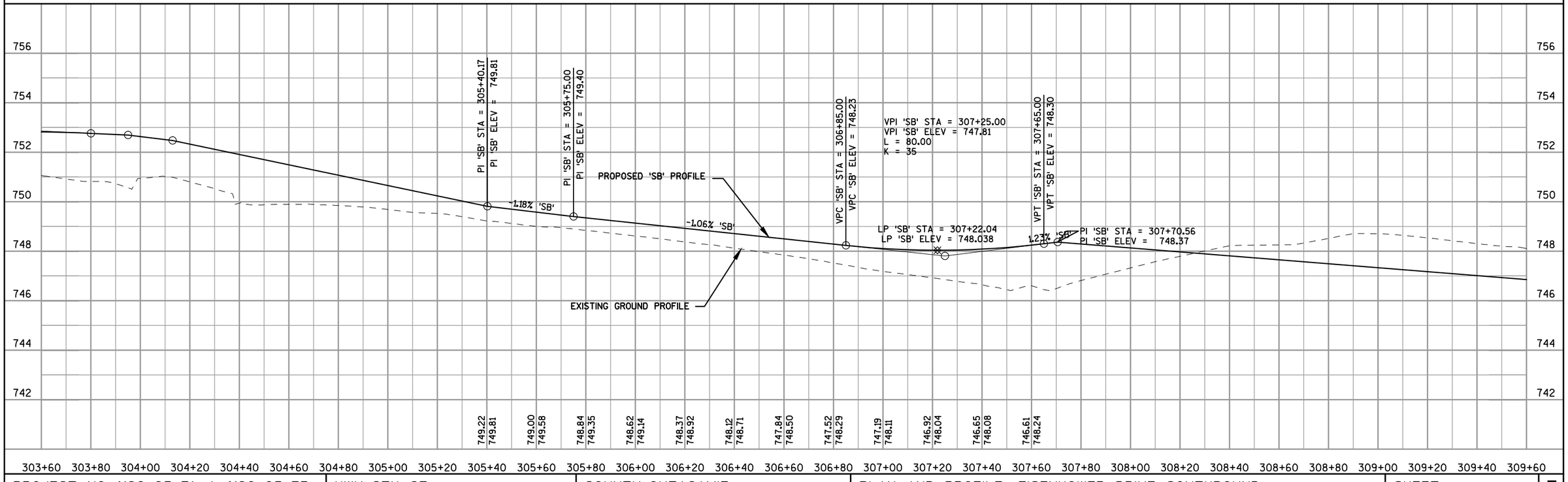
PROJECT NO: 4160-05-71 / 4160-05-73	HWY: CTH CE	COUNTY: OUTAGAMIE	PLAN AND PROFILE: EISENHOWER DRIVE SOUTHBOUND	SHEET 161	E

FILE NAME : F:\TR\JOBS\E1887A09\CIVIL 3D 2012\SHEETSPLAN\416005_050101_PP.DWG
416005_050134_pp

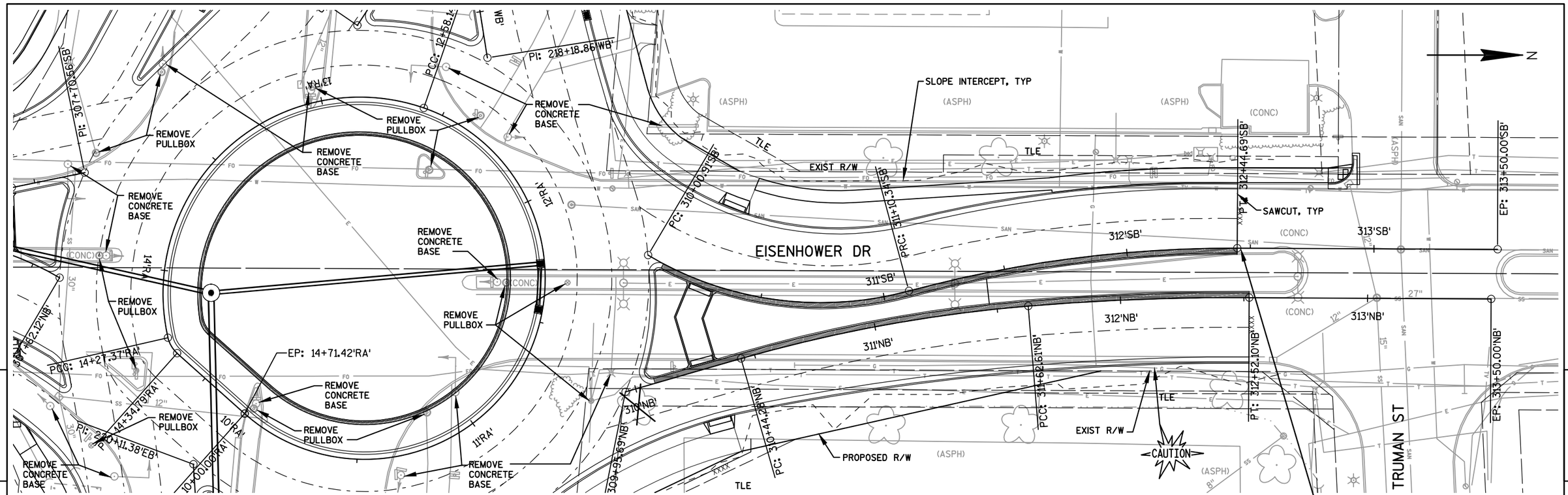
PLOT DATE : 10/30/2014 9:52 AM PLOT BY : OMNNI ASSOCIATES, INC - DAVE PERRY

WISDOT/CADDS SHEET 44





PROJECT NO: 4160-05-71 / 4160-05-73	HWY: CTH CE	COUNTY: OUTAGAMIE	PLAN AND PROFILE: EISENHOWER DRIVE SOUTHBOUND	SHEET 162	E

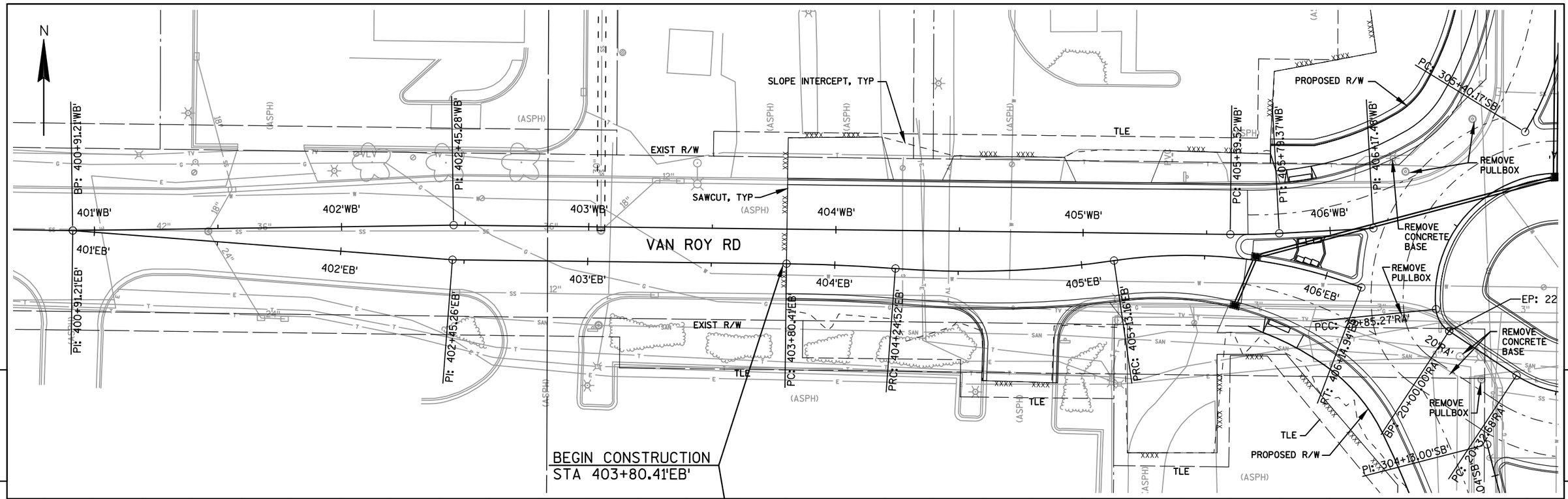


PROJECT NO: 4160-05-71 / 4160-05-73	HWY: CTH CE	COUNTY: OUTAGAMIE	PLAN AND PROFILE: EISENHOWER DRIVE SOUTHBOUND	SHEET 163	E

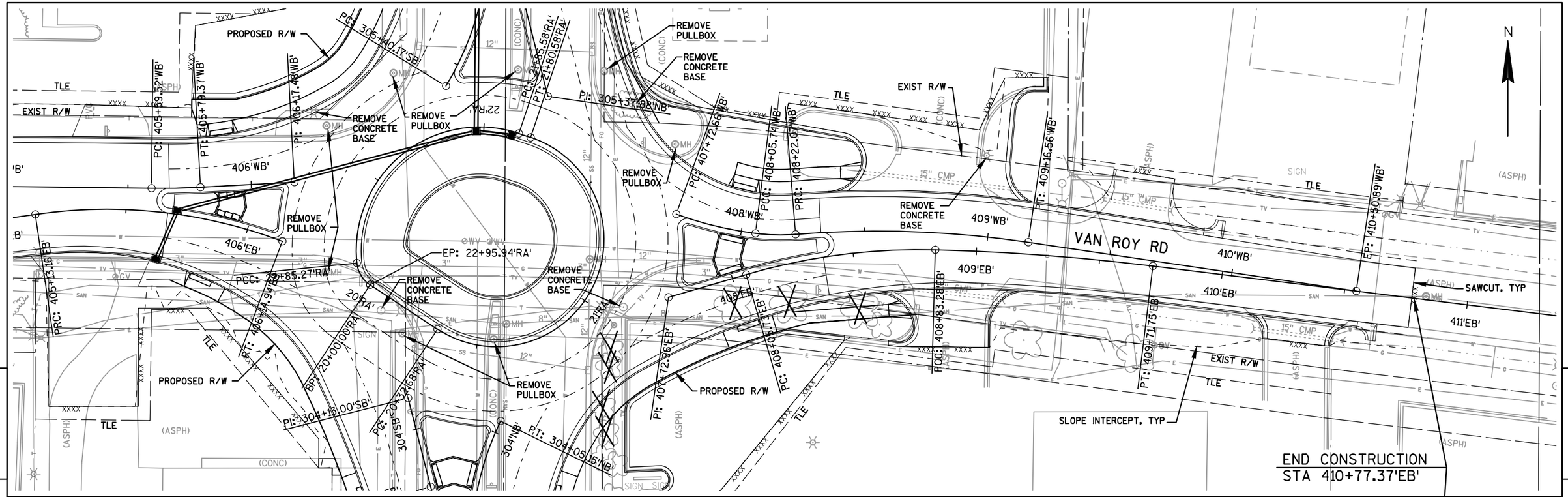
FILE NAME : F:\TR\JOBS\E1887A09\CIVIL 3D 2012\SHEETSPLAN\416005_050101_PP.DWG
416005_050136_pp

PLOT DATE : 10/30/2014 9:53 AM PLOT BY : OMNNI ASSOCIATES, INC - DAVE PERRY

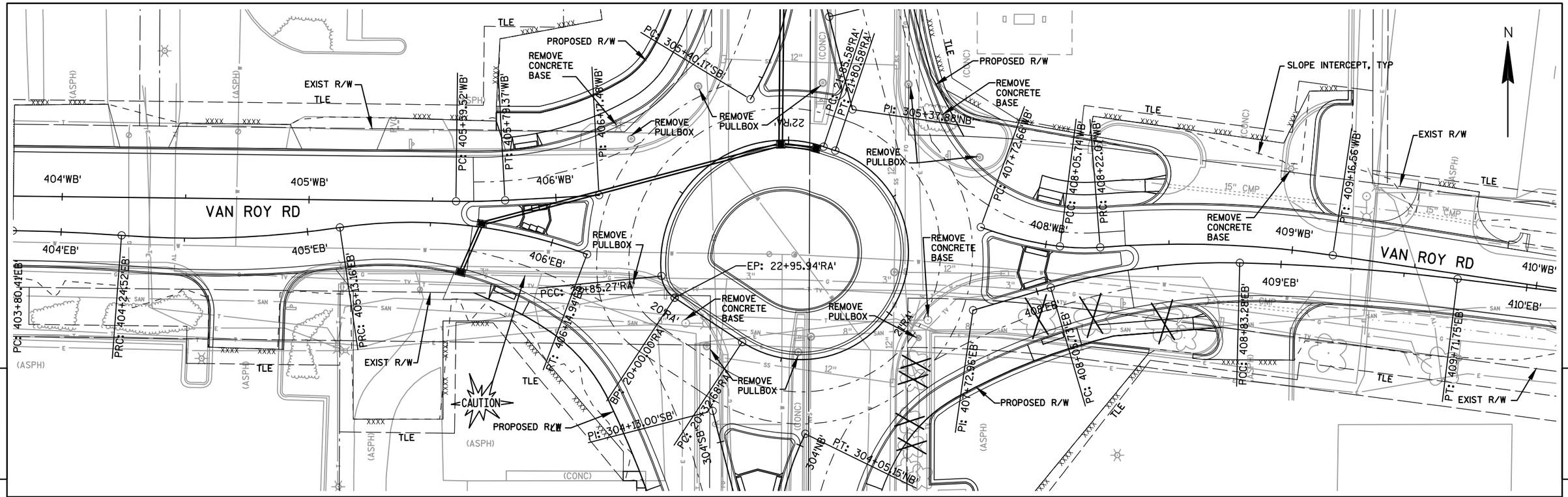
WISDOT/CADDS SHEET 44



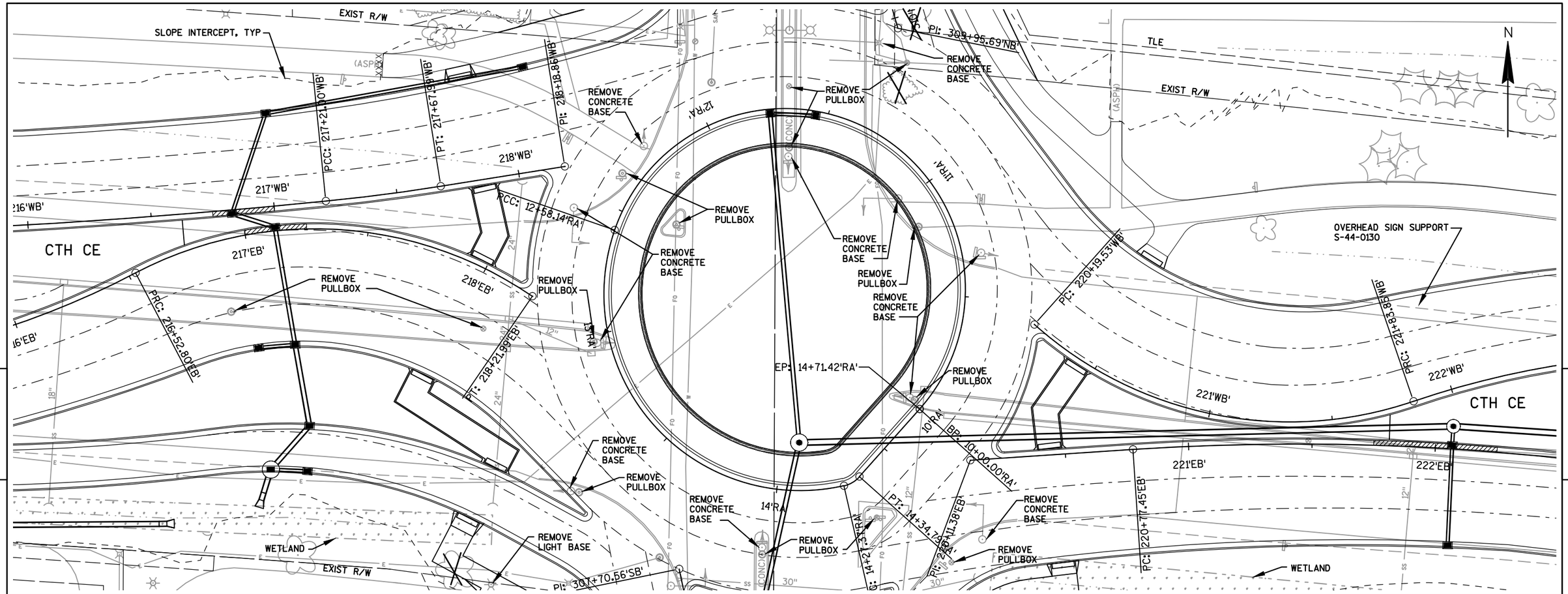
PROJECT NO: 4160-05-71 / 4160-05-73	HWY: CTH CE	COUNTY: OUTAGAMIE	PLAN AND PROFILE: VAN ROY ROAD EASTBOUND	SHEET 164	E

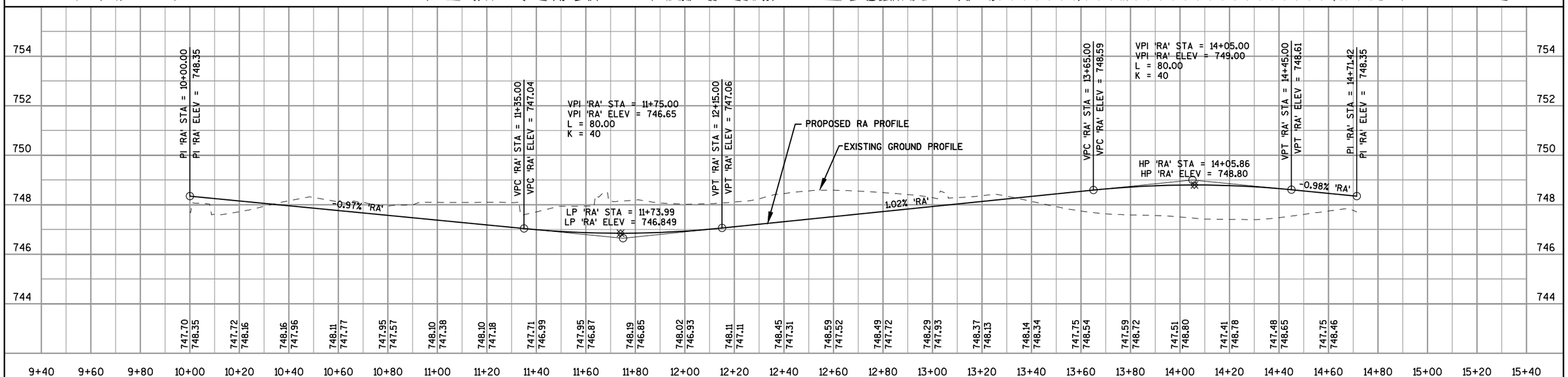


PROJECT NO: 4160-05-71 / 4160-05-73	HWY: CTH CE	COUNTY: OUTAGAMIE	PLAN AND PROFILE: VAN ROY ROAD EASTBOUND	SHEET 165	E



PROJECT NO: 4160-05-71 / 4160-05-73	HWY: CTH CE	COUNTY: OUTAGAMIE	PLAN AND PROFILE: ROUNDABOUT - VAN ROY ROAD	SHEET 166	E



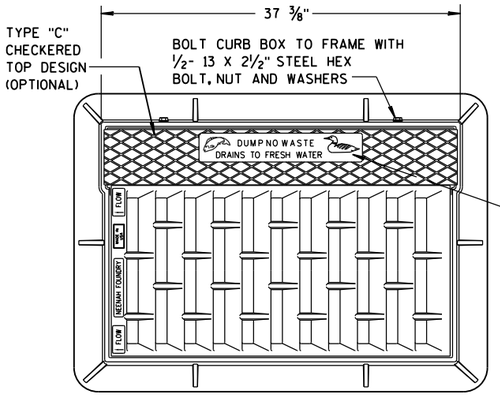


PROJECT NO: 4160-05-71 / 4160-05-73	HWY: CTH CE	COUNTY: OUTAGAMIE	PLAN AND PROFILE: ROUNDABOUT - CTH CE	SHEET 167	E

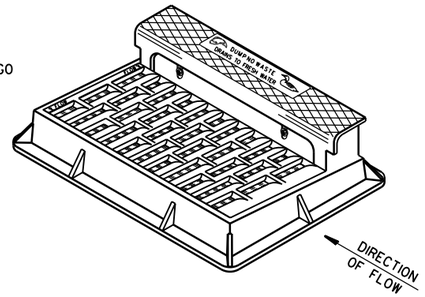
Standard Detail Drawing List

08A05-19A	INLET COVERS TYPE A, H, A-S, H-S & Z
08A05-19B	INLET COVERS TYPE B, B-A, C, MS, MS-A, & WM
08A05-19C	INLET COVERS TYPE F, HM, HM-S, S, T, V, HM-GJ, & HM-GJ-S
08A05-19D	INLET COVER TYPE BW, MANHOLE COVERS, TYPE K, J, J-S, L & M
08B09-01	MANHOLES 3-FT, 4-FT, 5-FT, 6-FT, 7-FT AND 8-FT DIAMETER
08C07-01	INLETS 2X2-FT, 2X2.5-FT, 2X3-FT AND 2.5X3-FT
08C08-01	INLETS MEDIAN 1 AND 2 GRATE
08D01-17	CONCRETE CURB, CONCRETE CURB AND GUTTER AND TIES
08D04-05	CONCRETE SURFACE DRAINS & ASPHALTIC FLUMES
08D05-15A	CURB RAMPS TYPES 1 AND 1-A
08D05-15B	CURB RAMPS TYPES 2 AND 3
08D05-15C	CURB RAMPS TYPES 4A AND 4A1
08D05-15D	CURB RAMPS TYPE 4B AND 4B1
08D05-15E	CURB RAMPS TYPES 5, 6, 7A, 7B & 8
08E08-03	TYPICAL INSTALLATIONS OF EROSION BALES / TEMPORARY DITCH CHECKS
08E09-06	SILT FENCE
08E10-02	INLET PROTECTION TYPE A, B, C AND D
08F01-11	APRON ENDWALLS FOR CULVERT PIPE
08F04-07	JOINT TIES FOR CONCRETE PIPE AND CONCRETE COLLAR DETAIL
09G01-03A	SPAN WIRE TEMPORARY TRAFFIC SIGNAL
09G01-03B	SPAN WIRE TEMPORARY TRAFFIC SIGNAL
09G01-03C	SPAN WIRE TEMPORARY TRAFFIC SIGNAL
09G01-03D	SPAN WIRE TEMPORARY TRAFFIC SIGNAL
09G01-03E	SPAN WIRE TEMPORARY TRAFFIC SIGNAL
09G01-03F	SPAN WIRE TEMPORARY TRAFFIC SIGNAL
09G01-03G	SPAN WIRE TEMPORARY TRAFFIC SIGNAL
11B02-02	CONCRETE MEDIAN NOSE
12A04-03	STRUCTURE IDENTIFICATION PLAQUES, RAMP GATES, SIGN BRIDGES & OVERHEAD SIGN SUPPORTS & TRAFFIC SIGNALS
13C01-17	CONCRETE PAVEMENT LONGITUDINAL JOINTS AND TIES
13C13-08	URBAN DOWELED CONCRETE PAVEMENT
13C18-02A	CONCRETE PAVEMENT JOINTING
13C18-02B	CONCRETE PAVEMENT STEEL REINFORCEMENT
13C18-02C	CONCRETE PAVEMENT JOINT TIES
13C18-02D	CONCRETE PAVEMENT JOINTING AT UTILITY FIXTURES
13C18-02E	CONCRETE PAVEMENT JOINTING AND STEEL REINFORCEMENT IN ROUNDABOUTS
15A03-02A	FLEXIBLE MARKER POST FOR CULVERT END
15A03-02B	FLEXIBLE MARKER POST FOR CULVERT END
15C02-05A	BARRICADES AND SIGNS FOR MAINLINE CLOSURES
15C02-05B	BARRICADES AND SIGNS FOR MAINLINE CLOSURES
15C03-02	BARRICADES AND SIGNS FOR SIDEROAD CLOSURES
15C05-02	TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 M.P.H. OR LESS
15C07-12C	PAVEMENT MARKING ARROWS
15C07-12D	ROUNDABOUT ARROWS
15C08-16A	PAVEMENT MARKING (MAINLINE)
15C08-16B	PAVEMENT MARKING (INTERSECTIONS)
15C08-16E	PAVEMENT MARKING (LEFT TURN LANE)
15C08-16F	PAVEMENT MARKING (ISLANDS)
15C11-05	FLEXIBLE TUBULAR MARKER POST, ANCHOR & BASES
15C12-04	TRAFFIC CONTROL FOR LANE CLOSURE (SUITABLE FOR MOVING OPERATIONS)
15C15-03	36" DIAMETER FULL SPAN OVERHEAD SIGN SUPPORT BASE
15C20-01	YIELD MARKING
15C24-02	36" DIAMETER CANTILEVER OVERHEAD SIGN SUPPORT BASE
15C27-01	DOUBLE ARROW WARNING SIGN PLACEMENT
15C33-01	STOP LINE AND CROSSWALK PAVEMENT MARKING
15D06-03	TRAFFIC CONTROL, TWO LANE TWO WAY OPERATION
15D09-03	TRAFFIC CONTROL, SINGLE LANE CROSSOVER EXIT
15D11-05	TRAFFIC CONTROL, SINGLE LANE CROSSOVER
15D20-02	TRAFFIC CONTROL, SINGLE LANE CLOSURE, NON-FREEWAY/EXPRESSWAY
15D21-02	TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE LANE CLOSURE
15D28-02	TRAFFIC CONTROL, WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY
15D30-01	TRAFFIC CONTROL, SIDEWALK CLOSURE

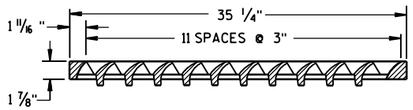
6

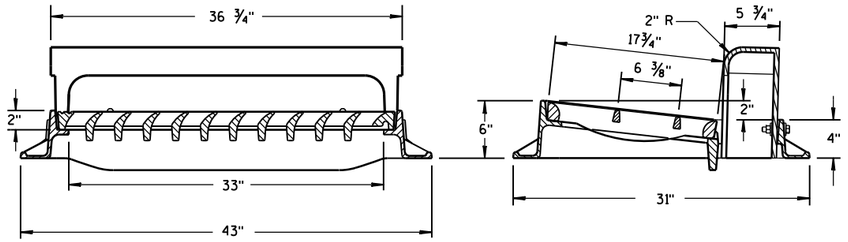


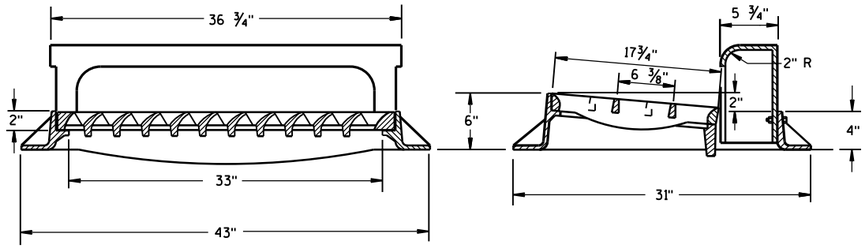
NOTE:
GRATE IS REVERSIBLE.



NOTE: CURB BOX HEIGHT ADJUSTABLE 6" TO 9"

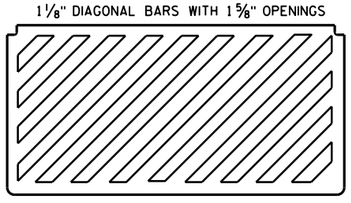






TYPE "H"

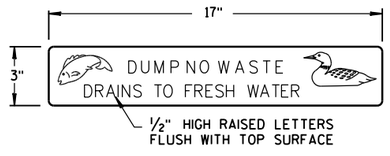
NOTE: EITHER CASTING IS ACCEPTABLE



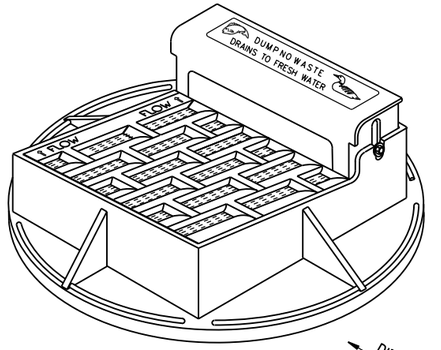
SPECIAL GRATE FOR TYPE "H" COVER

(MEASURES 35 1/4" X 17 3/4" X 2")

(NOTED AS TYPE H-S ON DRAINAGE TABLE)

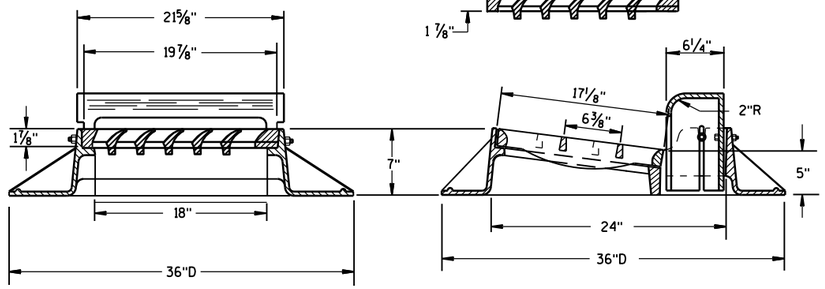


LOGO DETAIL



NOTE: CURB BOX ADJUSTABLE 4" TO 9"

NOTE:
GRATE IS REVERSIBLE.



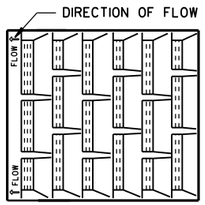
TYPE "A"

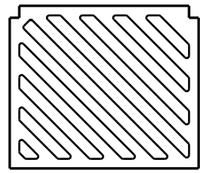
GENERAL NOTES

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.

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.

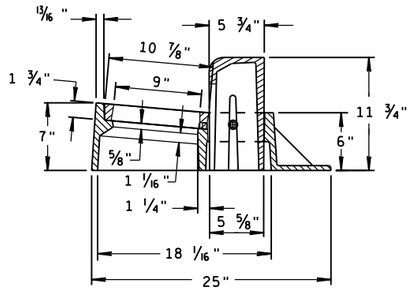


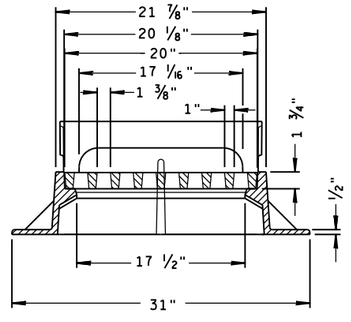


SPECIAL GRATE FOR TYPE "A" COVER

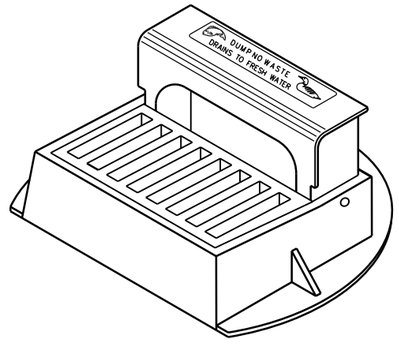
(MEASURES 19 3/4" X 17" X 1 7/8")

(NOTED AS TYPE A-S ON DRAINAGE TABLE)





TYPE "Z"



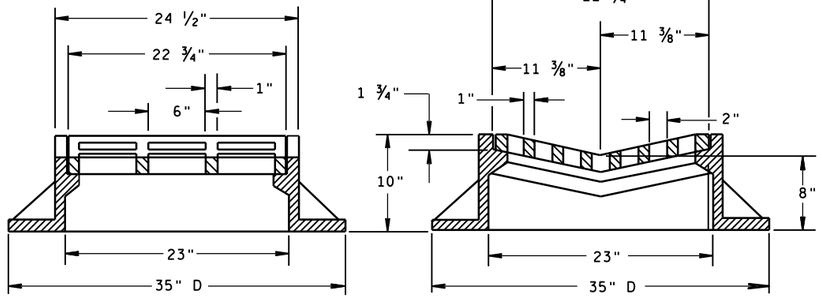
INLET COVERS
TYPE A, H, A-S, H-S & Z

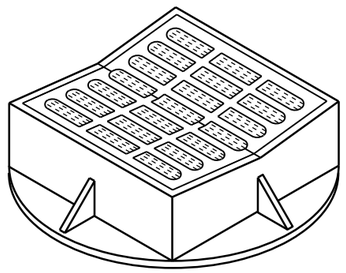
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
11-27-13 — DATE
/S/ Jerry H. Zogg — ROADWAY STANDARDS ENGINEER
FHWA

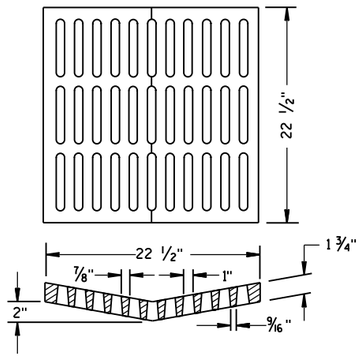
6

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



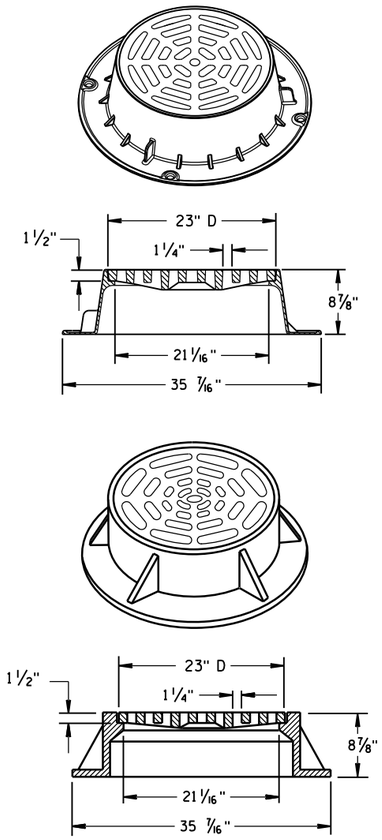


TYPE "B"



ALTERNATIVE GRATE FOR TYPE "B" COVER

USE WHERE PEDESTRIAN OR BICYCLE TRAFFIC IS POSSIBLE.
NOTED AS TYPE B-A ON THE DRAINAGE TABLE



TYPE "C"

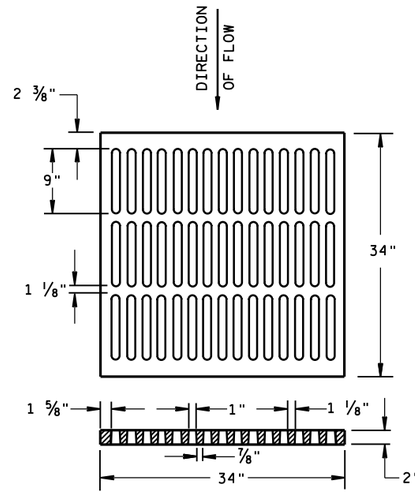
NOTE: EITHER CASTING IS ACCEPTABLE

GENERAL NOTES

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

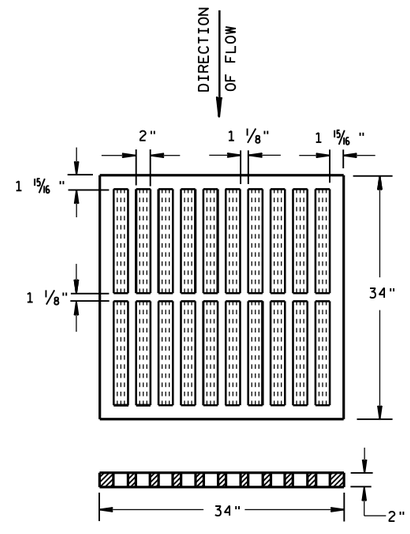
DETAIL DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR CATCH BASIN, MANHOLE AND INLET COVERS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

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



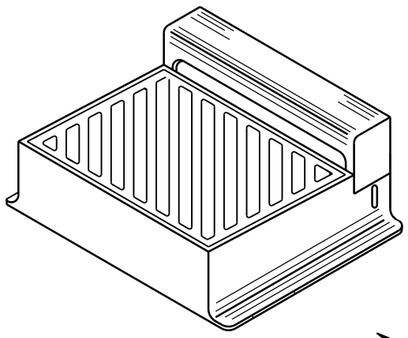
ALTERNATIVE TYPE "MS"

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

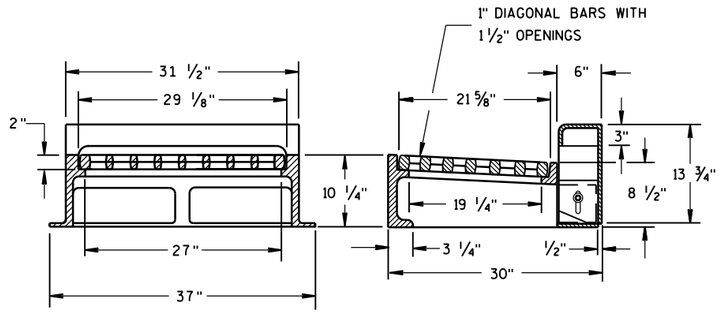


TYPE "MS"

USE ON FREEWAYS AND EXPRESSWAYS
NOTED AS TYPE MS ON DRAINAGE TABLE



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



NOTE: CURB BOX HEIGHT ADJUSTABLE 6" TO 9"

TYPE "WM"

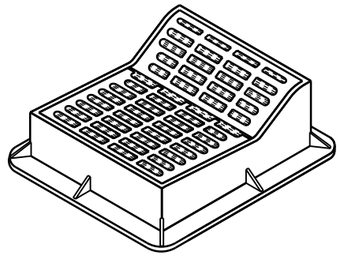
INLET COVERS TYPE B, B-A, C, MS, MS-A, & WM

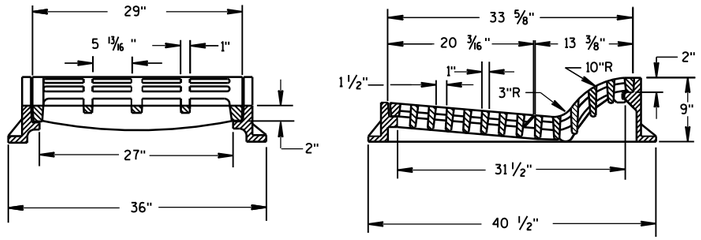
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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

6

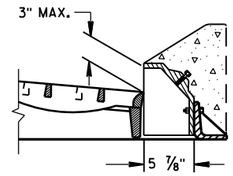
S.D.D. 8 A 5-19b





TYPE "F"

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



ALTERNATIVE CURB BOX FOR TYPE "HM" COVER

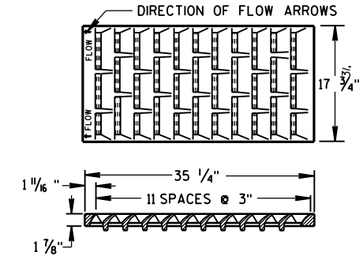
USE WITH TYPES G & J CONCRETE CURB & GUTTER, 30 INCH
NOTED AS TYPE HM-GJ ON DRAINAGE TABLE

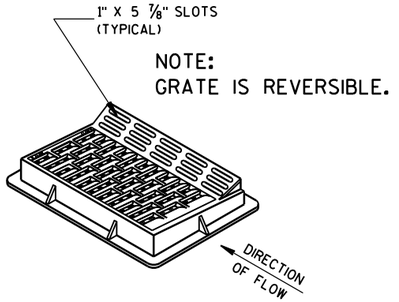
NOTE:
SPECIAL GRATE FOR THE
TYPE "H" COVER MAY ALSO BE
USED FOR THE TYPE "HM-GJ" COVER
NOTED AS TYPE HM-GJ-S ON DRAINAGE TABLE

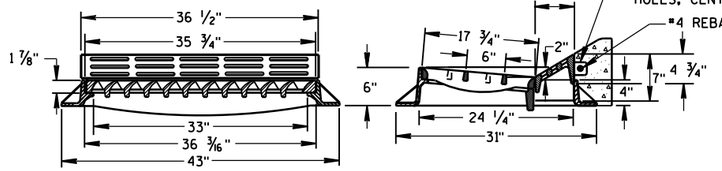
GENERAL NOTES

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

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



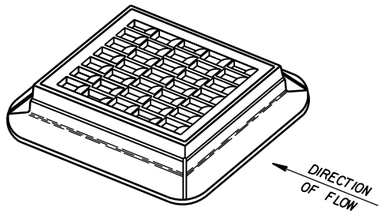


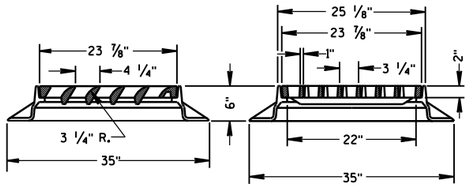


TYPE "HM"

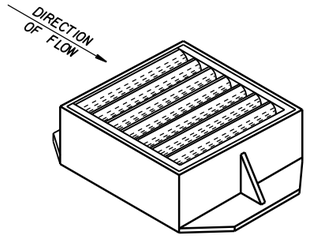
USE WITH TYPES A & D CONCRETE CURB & GUTTER, 36 INCH.

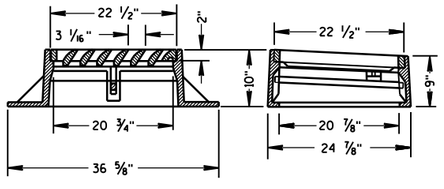
NOTE:
SPECIAL GRATE FOR THE
TYPE "H" COVER MAY ALSO BE
USED FOR THE TYPE "HM" COVER
NOTED AS TYPE HM-S ON DRAINAGE TABLE



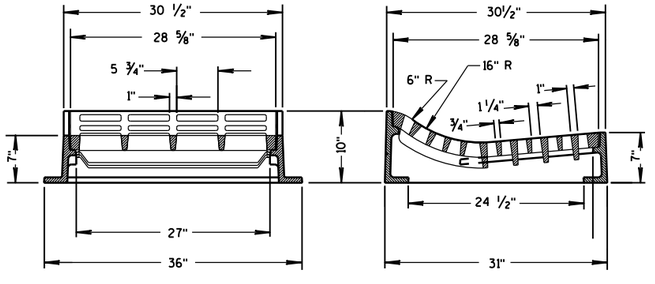


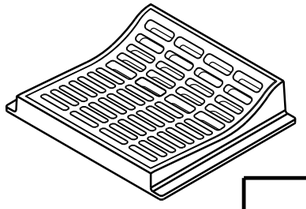
TYPE "S"





TYPE "V"





TYPE "T"

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

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

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
11/27/2013
DATE

/S/ Jerry H. Zogg
ROADWAY STANDARDS ENGINEER

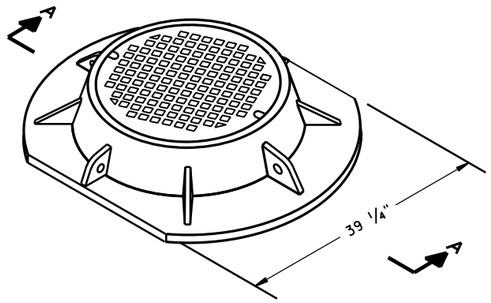
FHWA

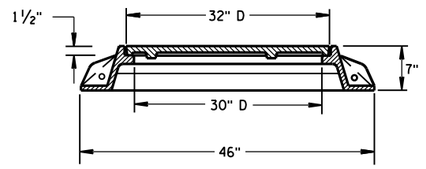
6

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

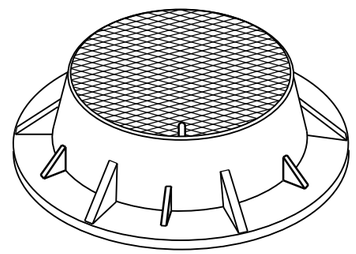
6

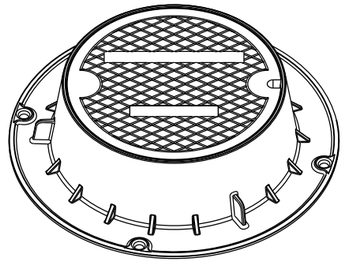
S.D.D. 8 A 5-19c

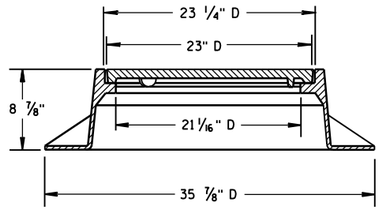


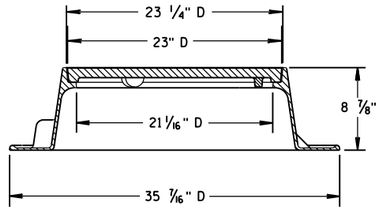


SECTION A-A
TYPE "K"









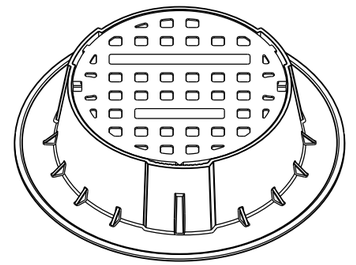
TYPE "J"
NOTE: EITHER CASTING IS ACCEPTABLE

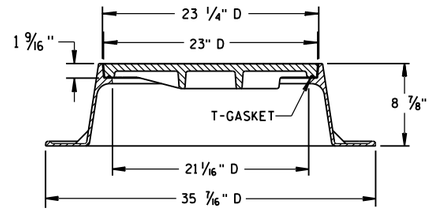
GENERAL NOTES

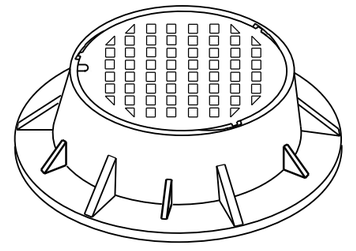
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

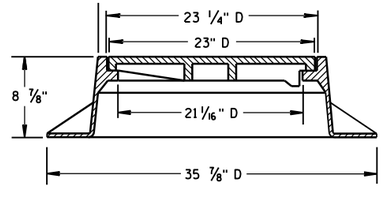
DETAIL DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR MANHOLE COVERS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

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

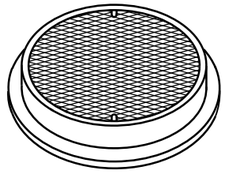


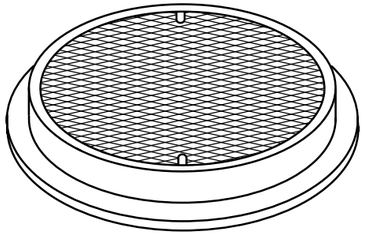


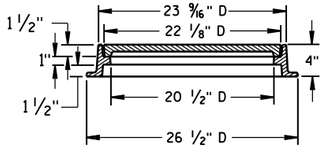




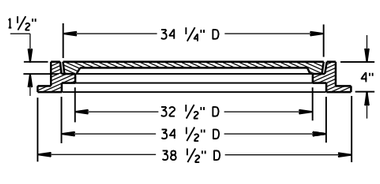
TYPE "J" SPECIAL
TYPE "B" NON-ROCKING SELF-SEAL LID
(NOTED AS TYPE J-S ON THE DRAINAGE TABLE)
NOTE: EITHER CASTING IS ACCEPTABLE



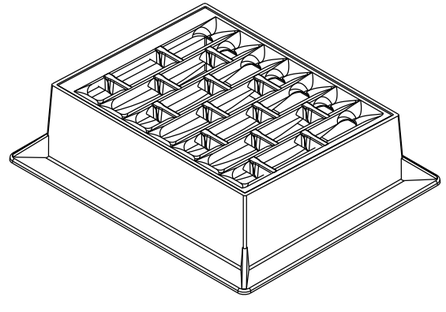


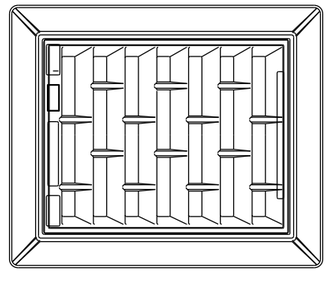


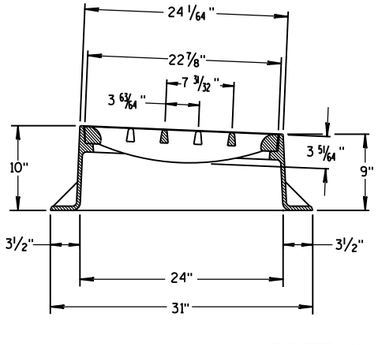
TYPE "L"

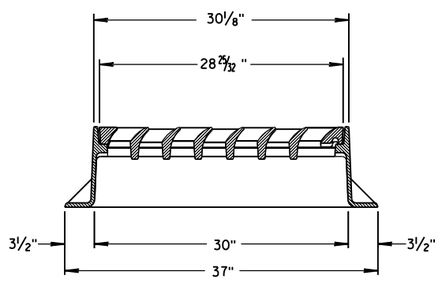


TYPE "M"









INLET COVER TYPE "BW"

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

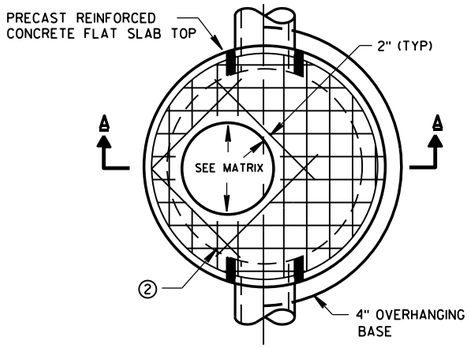
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
11/27/2013
DATE
FHWA

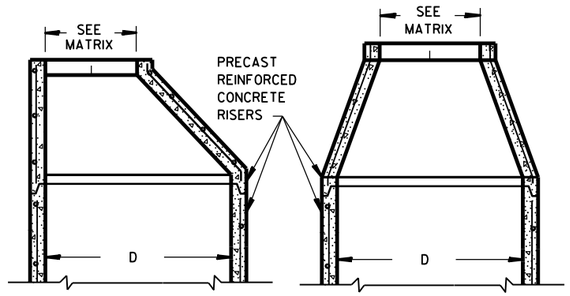
/S/ Jerry H. Zogg
ROADWAY STANDARDS DEVELOPMENT ENGINEER

6

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

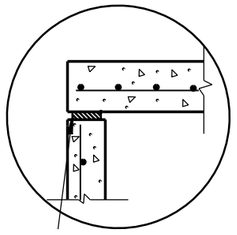


PLAN VIEW CIRCULAR OPENING

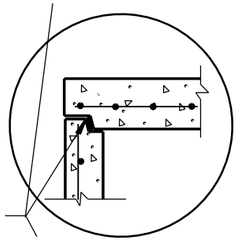


OPTIONAL PRECAST REINFORCED CONCRETE ECCENTRIC TOP

OPTIONAL PRECAST REINFORCED CONCRETE CONCENTRIC TOP

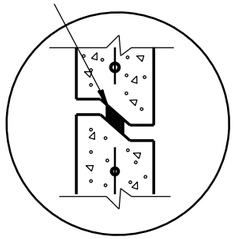


TOP WITH PLAIN END JOINT



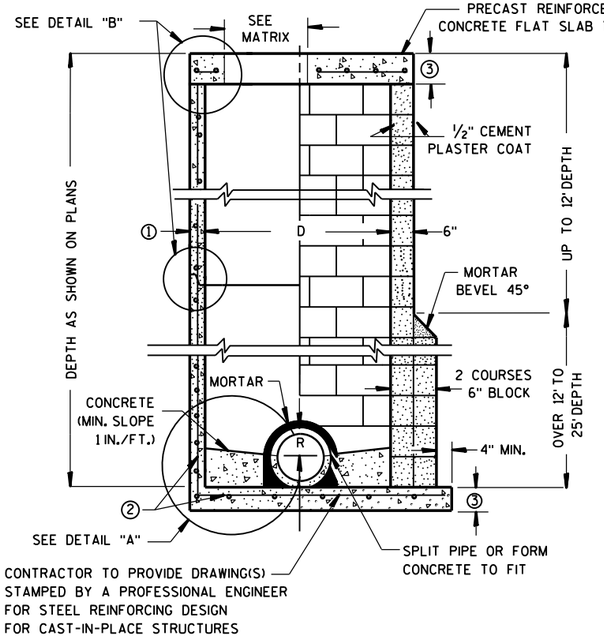
JOINTS TO BE SEALED WITH A BUTYL RUBBER SEAL PER SEALANT MANUFACTURERS RECOMMENDATIONS CONFORMING TO ASTM C990 (TYP)

TOP WITH TONGUE AND GROOVE JOINT



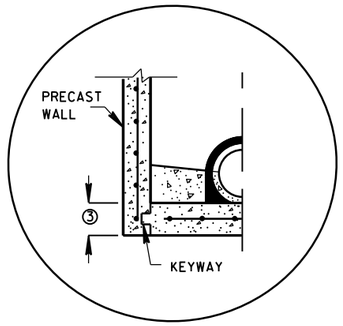
RISER WITH TONGUE AND GROOVE JOINT

DETAIL "B"

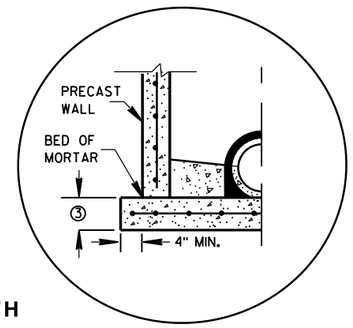


PRECAST REINFORCED CONCRETE WITH MONOLITHIC BASE

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

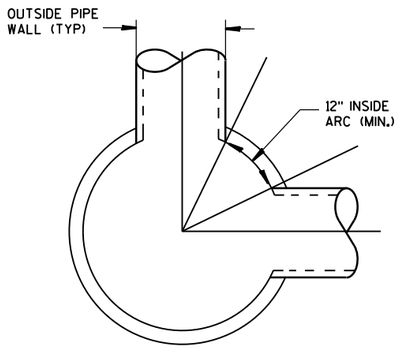


PRECAST REINFORCED CONCRETE WITH INTEGRAL BASE OPTION



SEPARATE PRECAST REINFORCED CONCRETE BASE OPTION

DETAIL "A"



DETAIL "C"

GENERAL NOTES

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

MANHOLE COVER OPENING MATRIX

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

PIPE MATRIX

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

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

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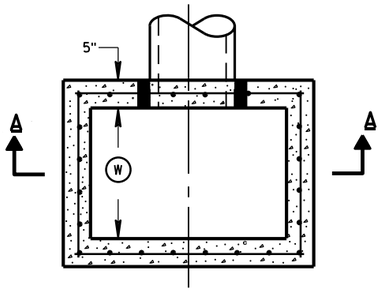
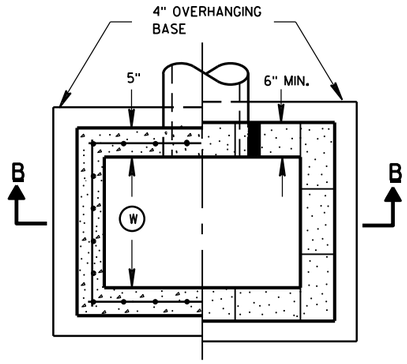
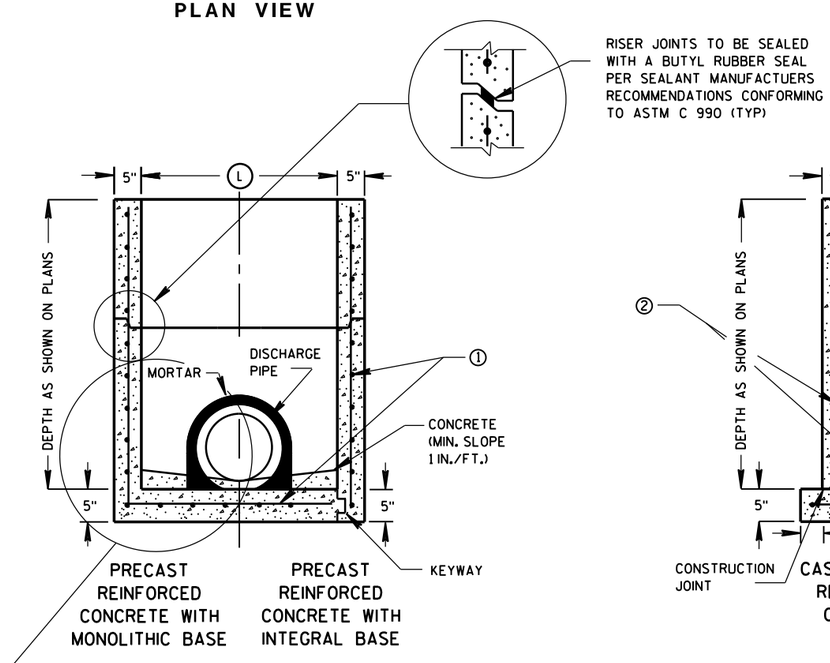


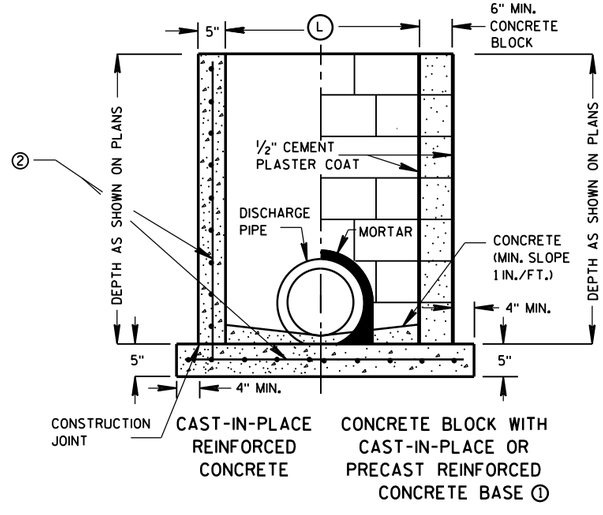
PLAN VIEW



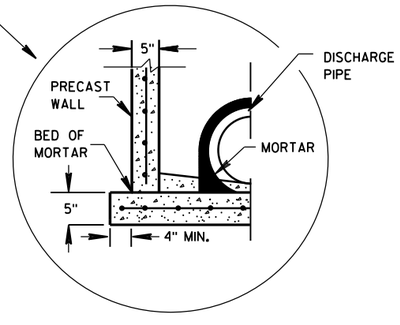
PLAN VIEW



SECTION A-A



SECTION B-B



SEPARATE PRECAST REINFORCED CONCRETE BASE OPTION

GENERAL NOTES

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

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

DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR 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 ASTM C 913.

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

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

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

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

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

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

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

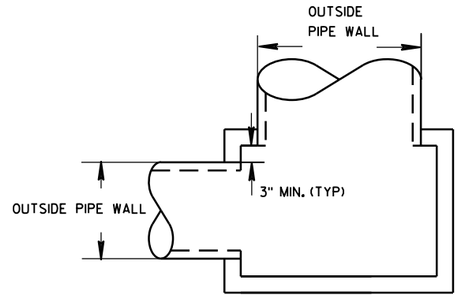
② CONTRACTOR TO PROVIDE DRAWING(S) STAMPED BY A PROFESSIONAL ENGINEER FOR STEEL REINFORCING DESIGN FOR CAST-IN-PLACE STRUCTURES.

INLET COVER MATRIX

INLET SIZE		INLET COVER TYPE	ALL A'S	ALL B'S	BW	F	ALL H'S	S	T	V	WM
	WIDTH (W) (FT)	LENGTH (L) (FT)									
2X2-FT	2	2	X	X				X		X	
2X2.5-FT	2	2.5			X			X	X	X	X
2X3-FT	2	3					X				
2.5X3-FT	2.5	3				X					

PIPE MATRIX

INLET SIZE	MAXIMUM INSIDE PIPE DIAMETER	
	WIDTH (IN)	LENGTH (IN)
2X2-FT	12	12
2X2.5-FT	12	18
2X3-FT	12	24
2.5X3-FT	18	24



DETAIL "A"

INLETS 2X2-FT, 2X2.5-FT, 2X3-FT AND 2.5X3-FT

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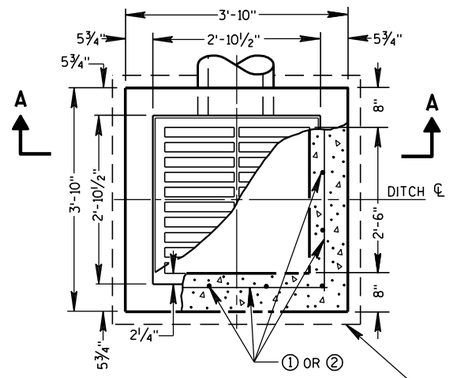
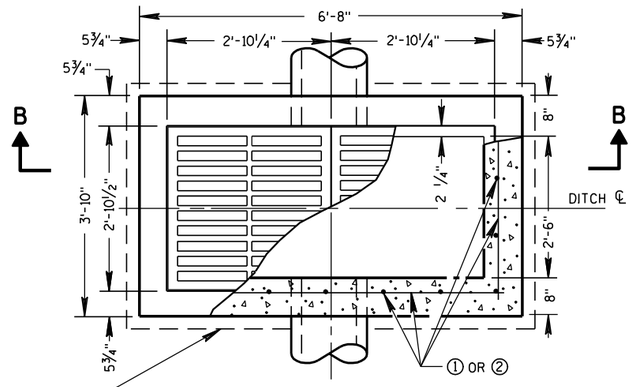
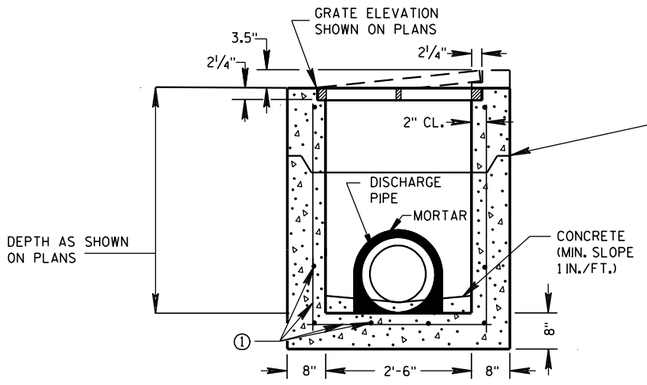


PLAN VIEW

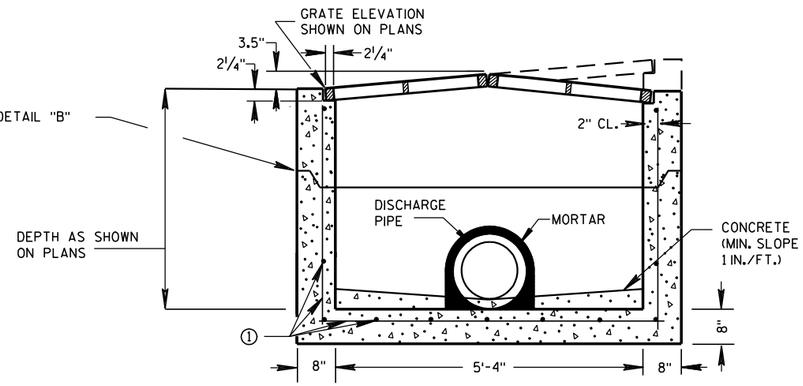


PLAN VIEW

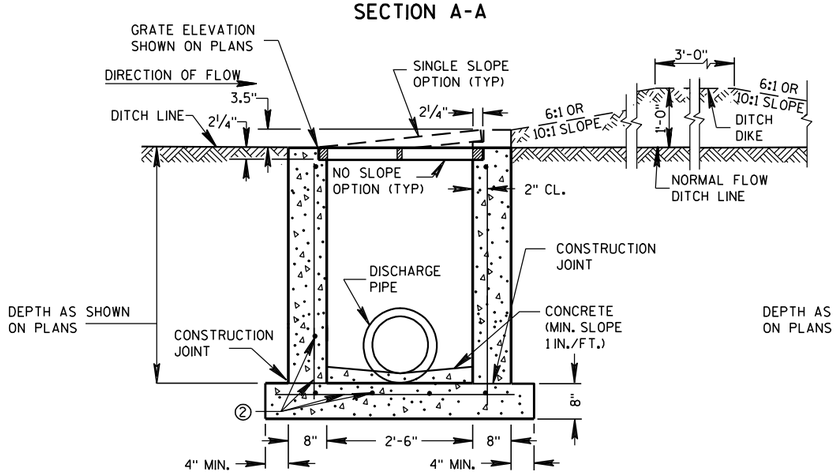
4" OVERHANGING BASE ON REINFORCED CAST-IN-PLACE CONCRETE INLETS



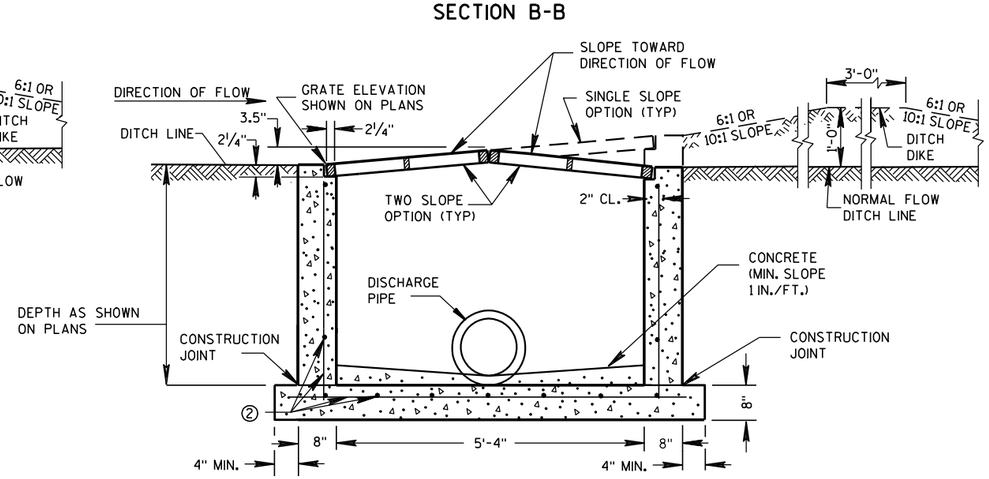
PRECAST REINFORCED CONCRETE SECTION A-A



PRECAST REINFORCED CONCRETE SECTION B-B



REINFORCED CAST-IN-PLACE CONCRETE SECTION A-A



REINFORCED CAST-IN-PLACE CONCRETE SECTION B-B

GENERAL NOTES

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

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

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

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

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

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

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

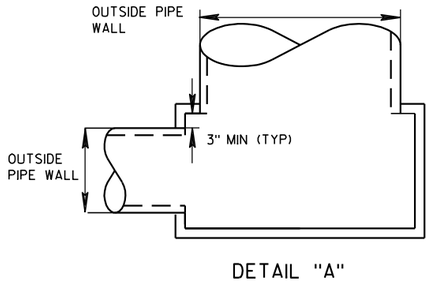
MAXIMUM INSIDE PIPE DIAMETER DETERMINED BY 3" CLEARANCE ON EACH SIDE OF THE OUTSIDE WALL OF THE PIPE. SEE DETAIL "A". ASSUMES PIPE ENTERS PERPENDICULAR TO THE STRUCTURE.

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

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

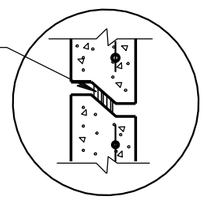
PIPE MATRIX

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



DETAIL "A"

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



DETAIL "B"

INLETS MEDIAN 1 GRATE

INLETS MEDIAN 2 GRATE

INLETS MEDIAN 1 AND 2 GRATE

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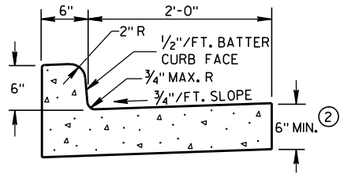
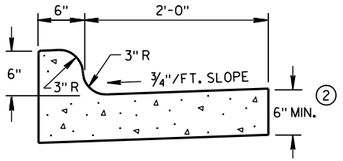
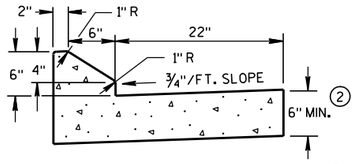


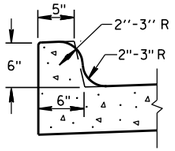
TYPES A & D (1)



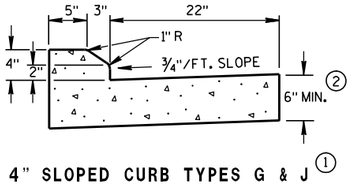
TYPES K & L (1)



6" SLOPED CURB TYPES G & J (1)

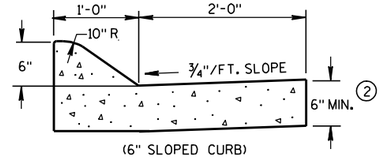


OPTIONAL CURB SHAPE FOR TYPES K & L (1)

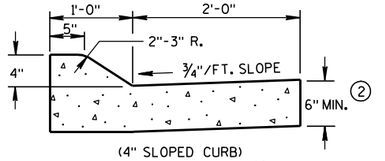


4" SLOPED CURB TYPES G & J (1)

CONCRETE CURB & GUTTER 30"

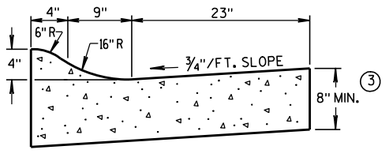


(6" SLOPED CURB)



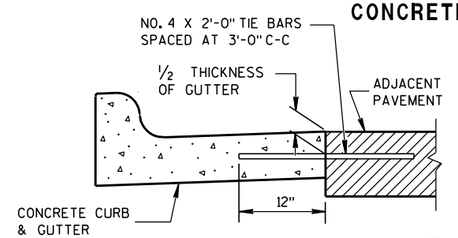
(4" SLOPED CURB)

TYPES A & D (1)

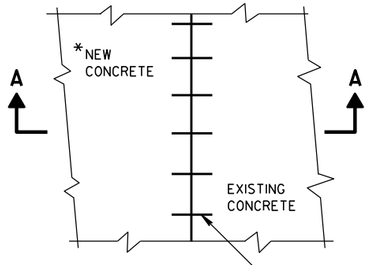


4" SLOPED CURB TYPES R & T (1) (4)

CONCRETE CURB & GUTTER 36"

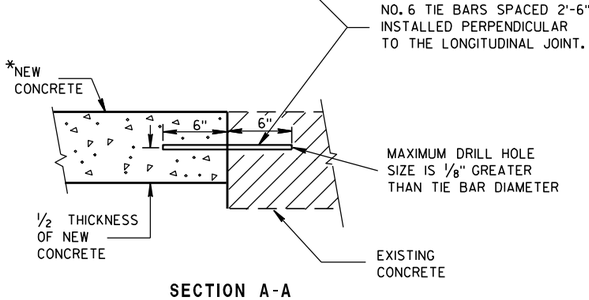


TYPICAL TIE BAR LOCATION (1)



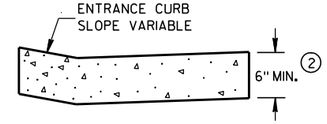
*NEW CURB & GUTTER, SURFACE DRAINS, CONCRETE PAVEMENT OR OTHER NEW CONCRETE.

PLAN VIEW

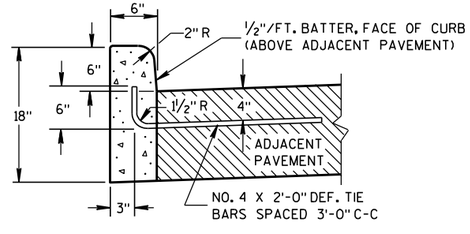


SECTION A-A

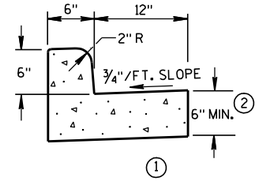
TIE BARS DRILLED INTO EXISTING PAVEMENT



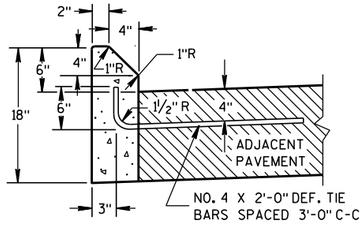
DRIVEWAY ENTRANCE CURB
(WHEN DIRECTED BY THE ENGINEER)



(1)
TYPES A & D

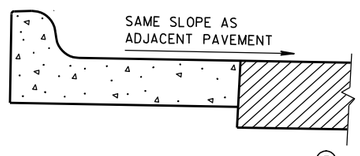


(1)
TYPES A & D
CONCRETE CURB & GUTTER 18"



(1)
TYPES G & J

CONCRETE CURB



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

GENERAL NOTES

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

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

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

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

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

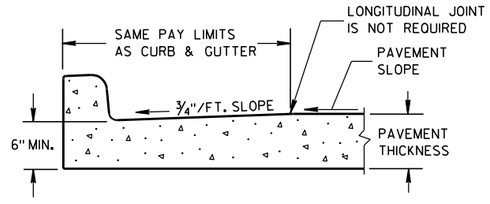
(1) TIE BARS ARE REQUIRED FOR CURB AND GUTTER TYPES A, G, K AND R.

(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.

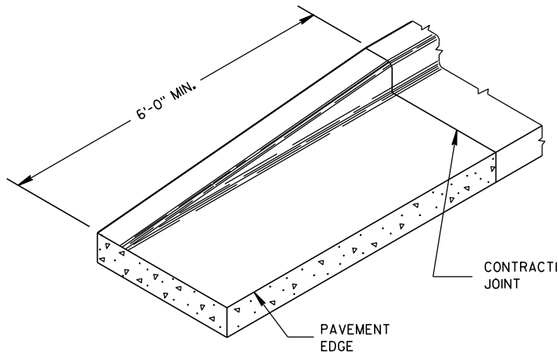
(3) THE BOTTOM OF CURB AND GUTTER MAY BE CONSTRUCTED EITHER LEVEL OR PARALLEL TO THE SLOPE OF THE SUBGRADE OR BASE AGGREGATE PROVIDED A 8" MINIMUM GUTTER THICKNESS IS MAINTAINED.

(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.



PARTIAL SECTION OF PAVEMENT WITH INTEGRAL CURB & GUTTER



END SECTION CURB & GUTTER

CONCRETE CURB, CONCRETE CURB & GUTTER AND TIES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
9/4/08 DATE
/S/ Jerry H. [illegible]
ROADWAY STANDARDS ENGINEER

FHWA

ENT

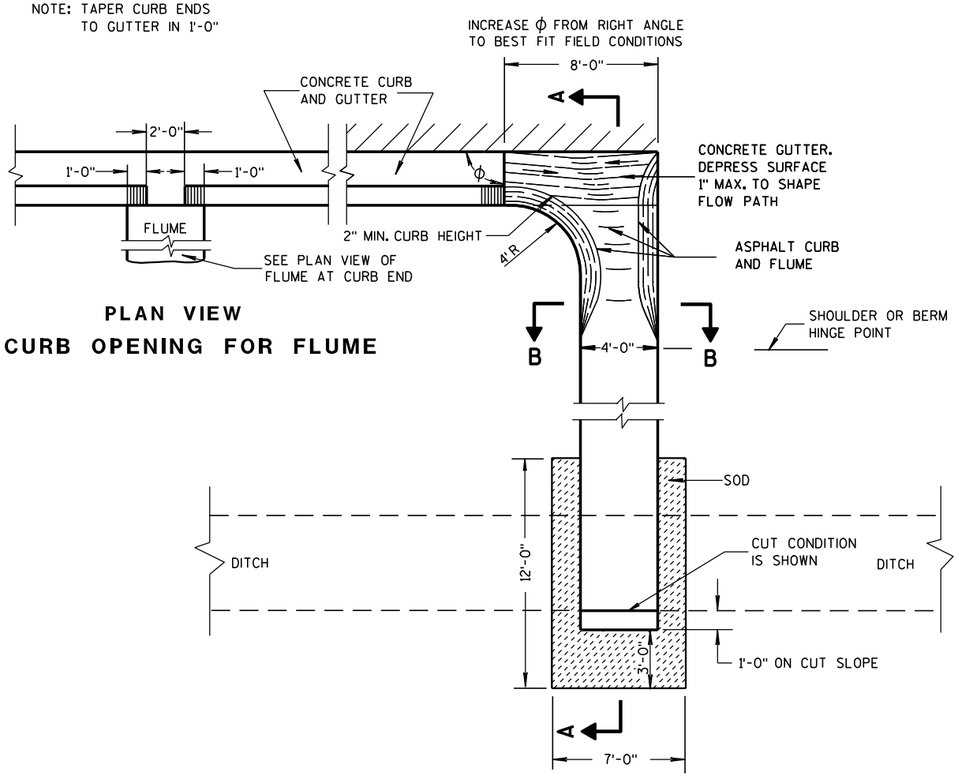
6

S.D.D. 8 D 1-17

6

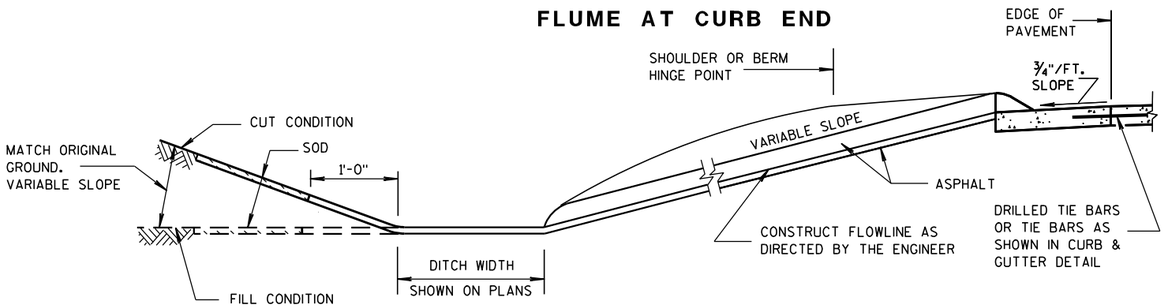
S.D.D. 8 D 1-17

ASPHALTIC FLUME

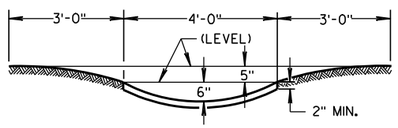


PLAN VIEW
CURB OPENING FOR FLUME

PLAN VIEW
FLUME AT CURB END



SECTION A-A



SECTION B-B

GENERAL NOTES

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

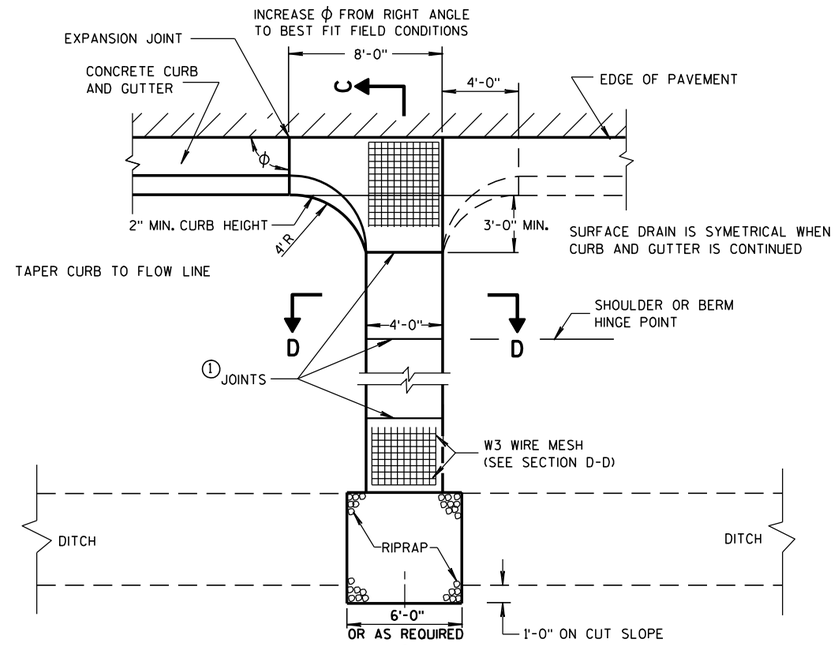
WELDED STEEL WIRE FABRIC SHALL BE IN ACCORDANCE WITH AASHTO SPECIFICATION M55.

① JOINTS SHALL BE $\frac{1}{8}$ TO $\frac{1}{4}$ INCH WIDE BY $1\frac{1}{2}$ INCHES DEEP AND SPACED AT UNIFORM INTERVALS OF APPROXIMATELY 4 FEET.

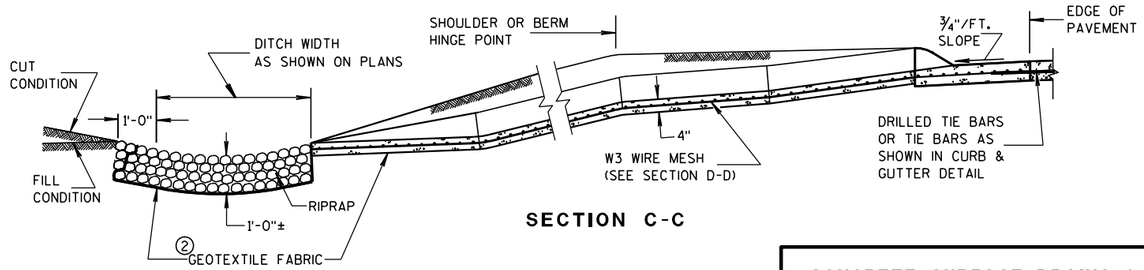
② GEOTEXTILE FABRIC TYPE "R" SHALL UNDERLAY THE FULL LENGTH AND WIDTH OF THE CONCRETE SURFACE DRAIN AND RIPRAP.

③ CONCRETE SURFACE DRAIN WITHOUT CURB AND GUTTER MAY BE USED ON BACKSLOPES WHEN SPECIFIED

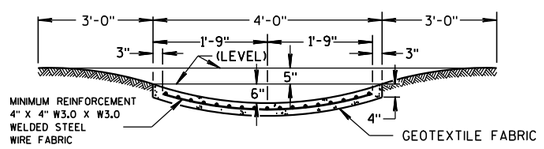
③ CONCRETE SURFACE DRAIN



PLAN VIEW



SECTION C-C

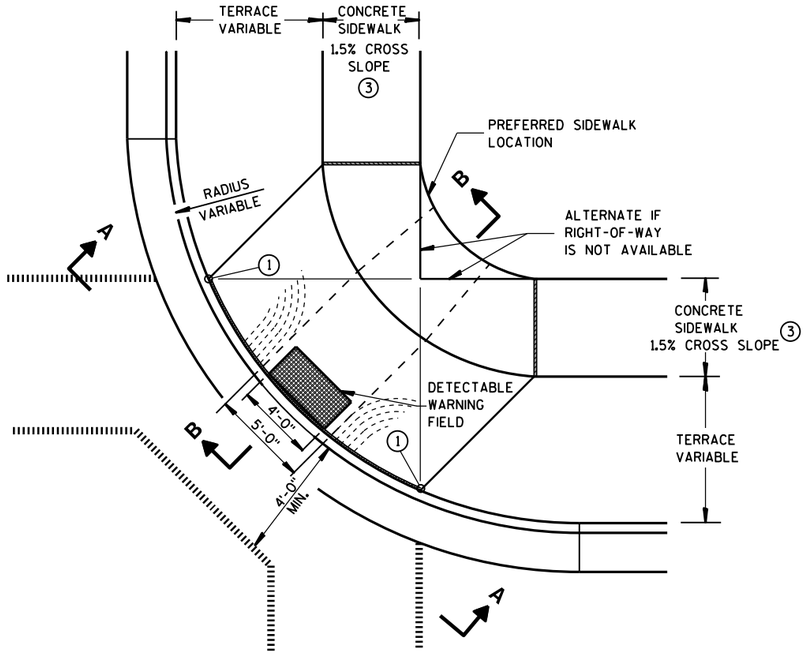


SECTION D-D

CONCRETE SURFACE DRAINS & ASPHALTIC FLUMES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

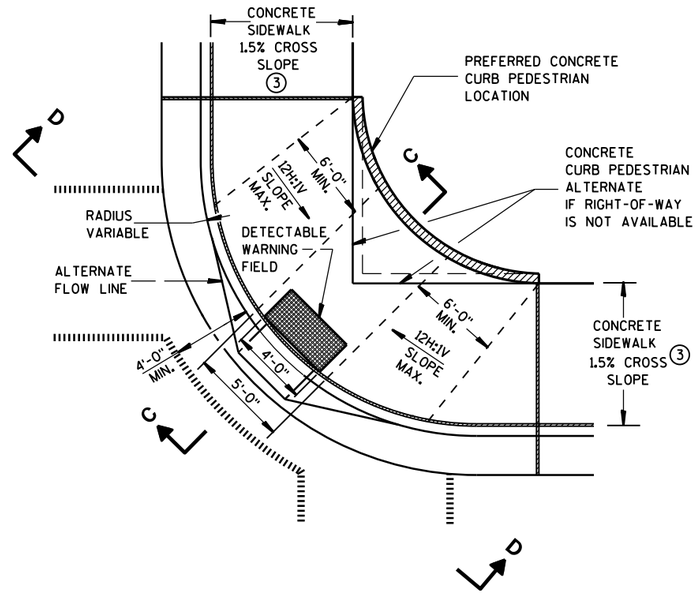
APPROVED
9-4-08 DATE
/S/ Jerry H. Zogg
ROADWAY STANDARDS ENGINEER
177
MENT
FHWA



PLAN VIEW

TYPE 1 RAMP

(CENTER OF CORNER RADIUS)



PLAN VIEW

TYPE 1-A RAMP

(NO TERRACE)

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.

RAMPS SHALL BE BUILT AT 12H:1V OR FLATTER. WHEN NECESSARY, THE SIDEWALK ELEVATION MAY BE LOWERED TO MEET THE HIGH POINT ON THE RAMP.

TYPE 1 RAMPS SHALL HAVE A NORMAL SIDEWALK APRON AND CURB ON BOTH SIDES OF RAMP.

DETECTABLE WARNING FIELD SHALL BE MEASURED AND PAID BY THE SQUARE FOOT AS "CURB RAMP DETECTABLE WARNING FIELD". THE CONCRETE PEDESTRIAN CURB, IF NEEDED, SHALL BE MEASURED AND PAID BY THE LINEAL FOOT AS "CONCRETE CURB PEDESTRIAN". CONCRETE SIDEWALK IN THE CURB RAMP AREA SHALL BE MEASURED AND PAID BY THE SQUARE FOOT AS CONCRETE SIDEWALK, INCLUDING THE AREA UNDER THE DETECTABLE WARNING FIELD.

SELECT CURB RAMP DETECTABLE WARNING FIELD MATERIALS AND DEVICES FROM THE DEPARTMENT'S APPROVED MATERIALS LIST. THE COLOR OF THE DETECTABLE WARNING FIELD IS SPECIFIED ELSEWHERE AND IS INCIDENTAL TO THE BID ITEM OF "CURB RAMP DETECTABLE WARNING FIELD".

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE, SHALL BE FROM THE SAME MANUFACTURER.

SURFACE TEXTURE OF THE RAMP SHALL BE OBTAINED BY COARSE BROOMING TRANSVERSE TO THE SLOPE OF THE RAMP.

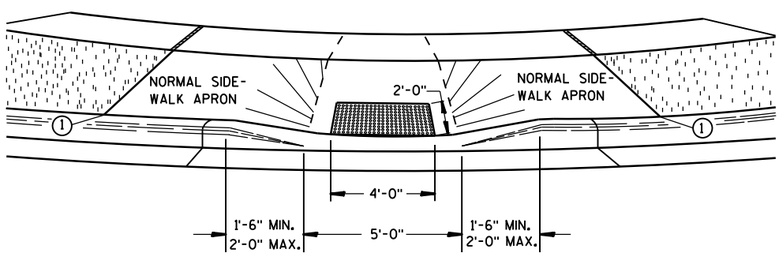
① THIS POINT IS AN EXTENSION OF OUTSIDE EDGE OF APPROACHING SIDEWALK WHERE IT MEETS THE BACK OF CONCRETE CURB.

② GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. PROVIDE DRAINAGE AWAY FROM CURB RAMP AT GUTTER FLAG INTERFACE.

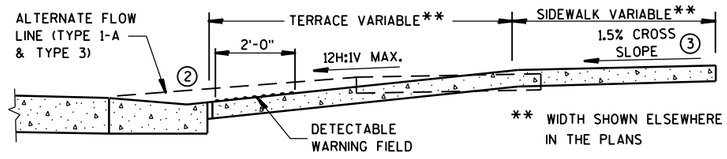
③ ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

LEGEND

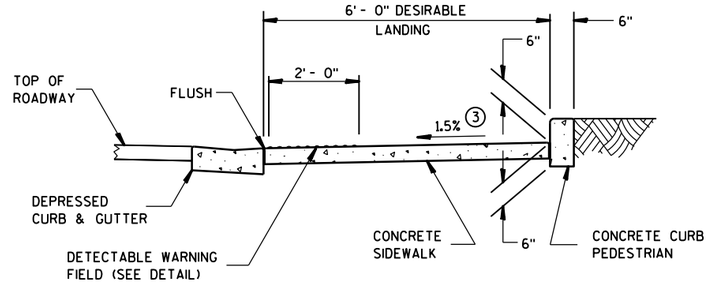
- ½" EXPANSION JOINT-SIDEWALK
- CONTRACTION JOINT FIELD LOCATED
- PAVEMENT MARKING CROSSWALK (WHITE)
- ALTERNATIVE LAYOUT



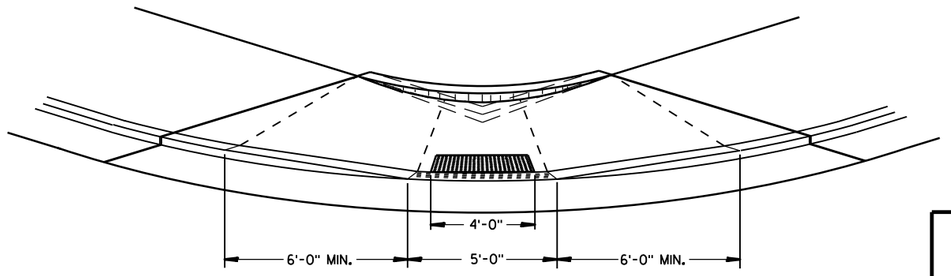
VIEW A-A



SECTION B-B



SECTION C-C



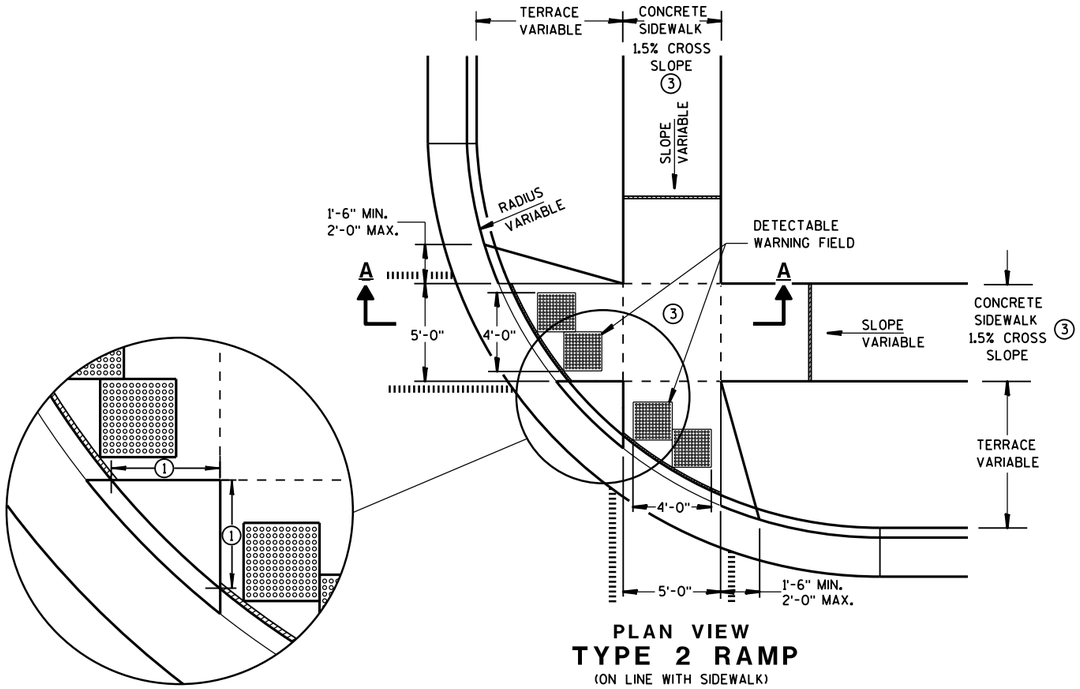
VIEW D-D

CURB RAMPS TYPES 1 AND 1-A

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR

6

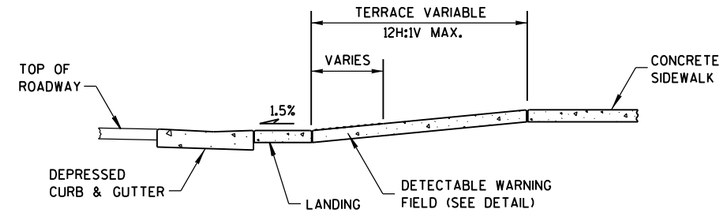
S.D.D. 8 D 5-15a



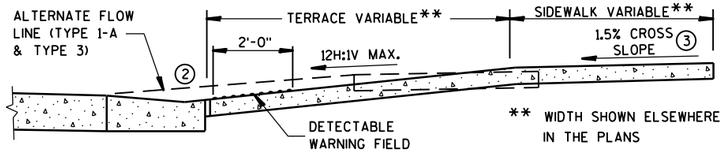
PLAN VIEW

TYPE 2 RAMP

(ON LINE WITH SIDEWALK)



SECTION A-A



SECTION B-B

GENERAL NOTES

USE THE TYPE 3 RAMP ONLY WHEN A TYPE 1 OR TYPE 2 CANNOT BE ACHIEVED BECAUSE OF FIELD CONDITIONS.

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE, SHALL BE FROM THE SAME MANUFACTURER.

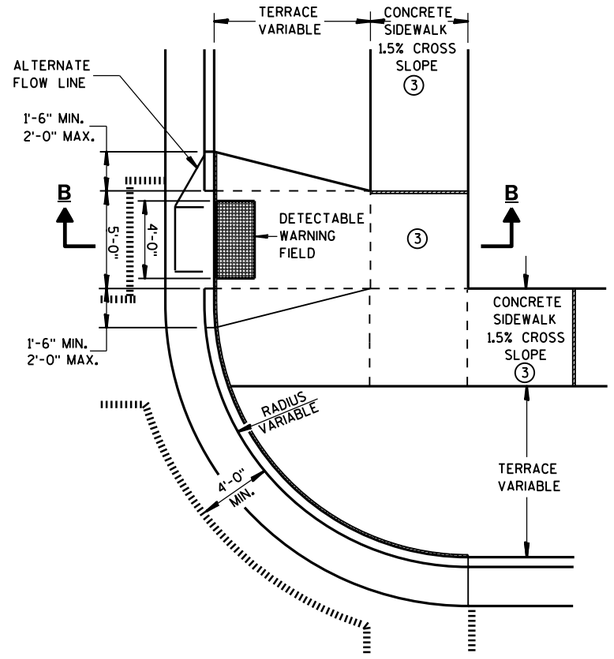
① WHEN THIS DISTANCE IS LESS THAN 6'-0" IT MAY BE DIFFICULT TO ACHIEVE A 12H:1V SLOPE, OR FLATTER, ON THE RAMP. REDUCE CURB HEIGHT IN TRIANGLE AREA TO ACHIEVE 12H:1V SLOPE, OR FLATTER, ON RAMP. 2" MINIMUM CURB HEIGHT.

② GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. PROVIDE DRAINAGE AWAY FROM CURB RAMP AT GUTTER FLAG INTERFACE.

③ ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

LEGEND

- ½" EXPANSION JOINT-SIDEWALK
- CONTRACTION JOINT FIELD LOCATED
- PAVEMENT MARKING CROSSWALK (WHITE)
- ALTERNATIVE LAYOUT



PLAN VIEW

TYPE 3 RAMP

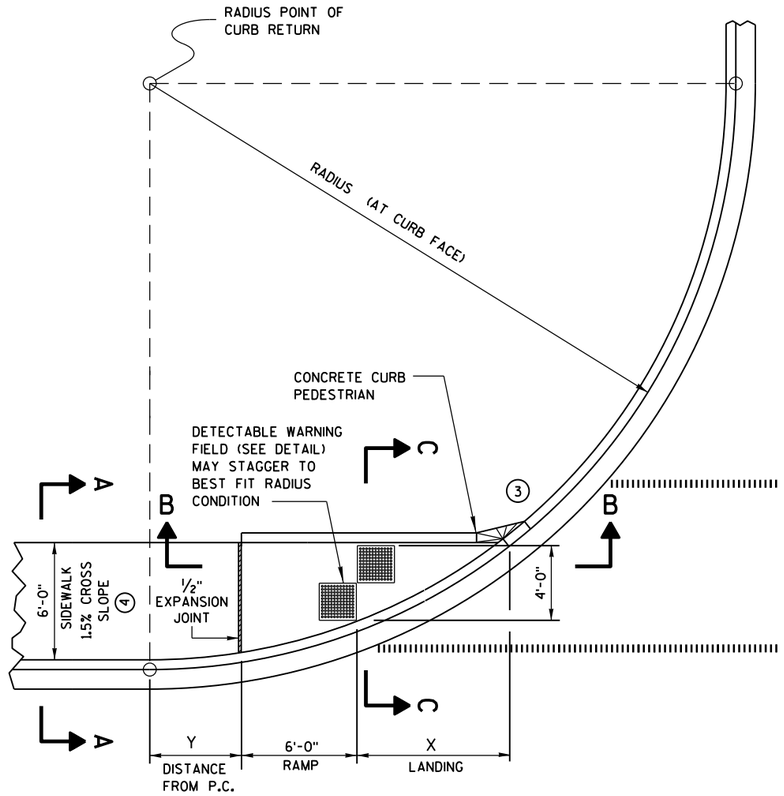
(OUTSIDE OF CROSSWALK AREA)

CURB RAMPS TYPES 2 AND 3

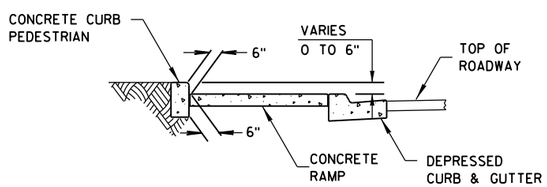
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR

6

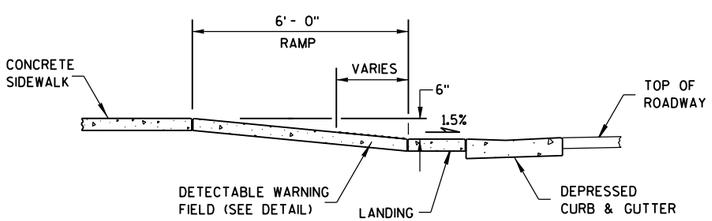
S.D.D. 8 D 5-15b



CURB RAMP TYPE 4A
PLAN VIEW



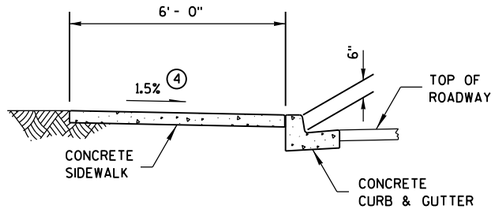
SECTION C-C FOR TYPE 4A



SECTION B-B FOR TYPE 4A

RADIUS (AT CURB FACE)	X	Y
20 FEET	6'-1¾"	2'-7¼"
30 FEET	7'-11¾"	4'-8¼"
40 FEET	9'-5¼"	6'-5"
50 FEET	10'-8¾"	7'-11¼"
60 FEET	11'-10¼"	9'-3½"

INTERMEDIATE RADII CAN BE INTERPOLATED



SECTION A-A FOR TYPE 4A

GENERAL NOTES

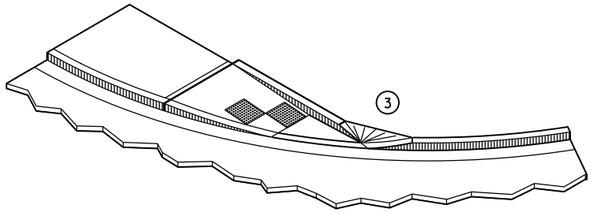
AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF RAMP ACCESS AREAS.

RAMP SLOPES SHALL NOT BE STEEPER THAN 12:1.

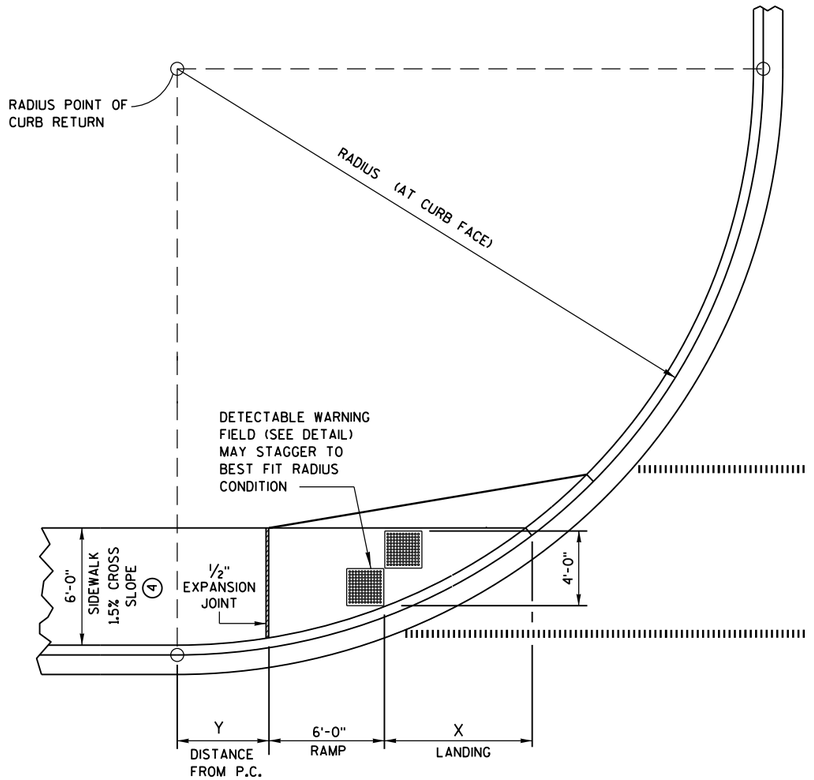
DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE, SHALL BE FROM THE SAME MANUFACTURER.

(3) INSTALL TRANSITION NOSE. (INCIDENTAL TO OTHER PAY ITEMS.) DO NOT MARK TRANSITION NOSE.

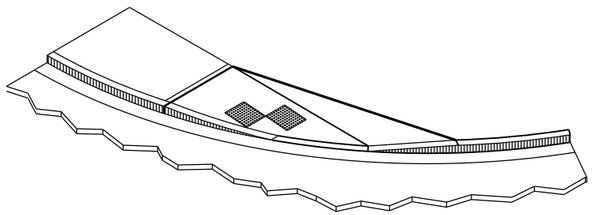
(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.



ISOMETRIC VIEW FOR TYPE 4A



CURB RAMP TYPE 4A1
PLAN VIEW



ISOMETRIC VIEW FOR TYPE 4A1

LEGEND

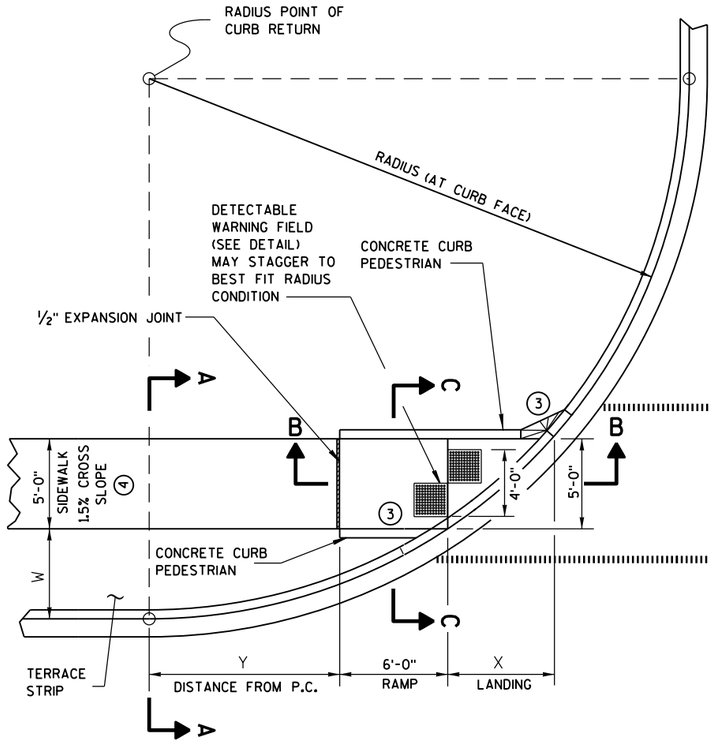
- ½" EXPANSION JOINT-SIDEWALK
- CONTRACTION JOINT FIELD LOCATED
- PAVEMENT MARKING CROSSWALK (WHITE)

CURB RAMPS
TYPES 4A AND 4A1

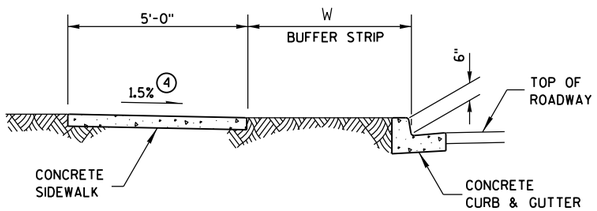
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR

6

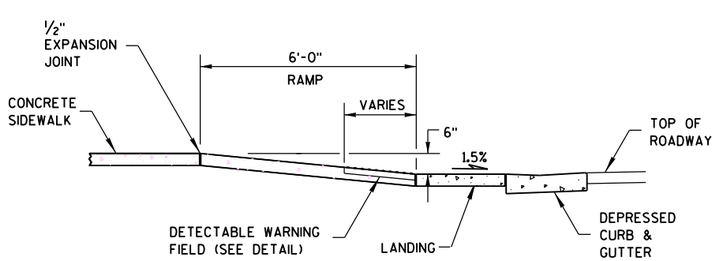
S.D.D. 8 D 5-15c



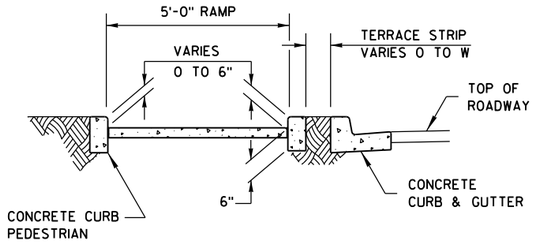
CURB RAMP TYPE 4B
PLAN VIEW



SECTION A-A FOR TYPE 4B



SECTION B-B FOR TYPE 4B



SECTION C-C FOR TYPE 4B

LEGEND

½" EXPANSION JOINT-SIDEWALK

CONTRACTION JOINT FIELD LOCATED

PAVEMENT MARKING CROSSWALK (WHITE)

RADIUS (AT CURB FACE)	W = 3'-0"		W = 4'-0"		W = 5'-0"		W = 6'-0"		W = 7'-0"	
	X	Y	X	Y	X	Y	X	Y	X	Y
20 FEET	5'-5½"	4'-6½"	4'-8½"	6'-0"	4'-1"	7'-2¾"	3'-7"	8'-3½"	3'-1½"	9'-2½"
30 FEET	7'-3¾"	7'-1"	6'-5½"	8'-11½"	5'-9¼"	10'-7"	5'-2½"	12'-0"	4'-8¾"	13'-3¼"
40 FEET	8'-9½"	9'-2½"	7'-10"	11'-5¼"	7'-1"	13'-4½"	6'-5¾"	15'-¾"	5'-11½"	16'-7¼"
50 FEET	10'-¾"	11'-¾"	9'-¼"	13'-7¼"	8'-2½"	15'-9½"	7'-6½"	17'-9"	6'-11¾"	19'-6¼"
60 FEET	11'-2½"	12'-8¾"	10'-¾"	15'-6½"	9'-2¼"	17'-11¾"	8'-5¾"	20'-1¾"	7'-10½"	22'-1½"

INTERMEDIATE RADII CAN BE INTERPOLATED

GENERAL NOTES

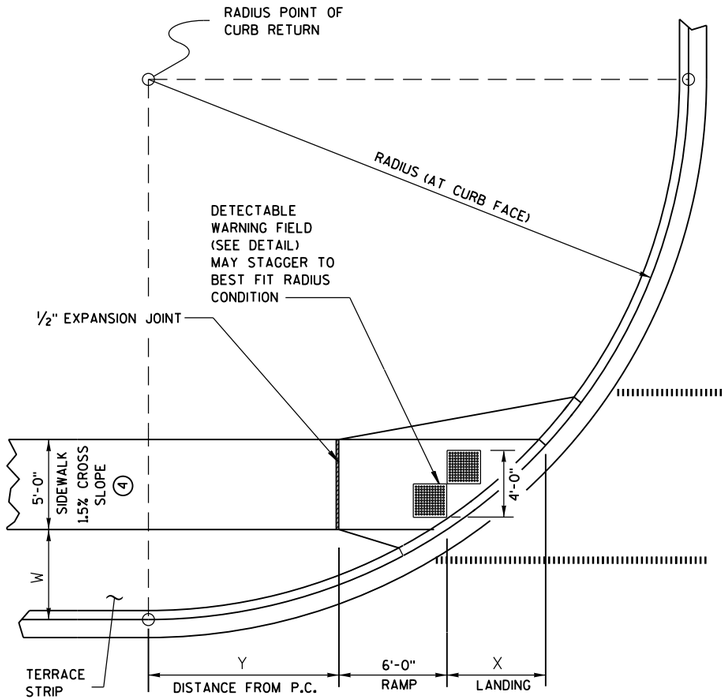
AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF RAMP ACCESS AREAS.

RAMP SLOPES SHALL NOT BE STEEPER THAN 12:1.

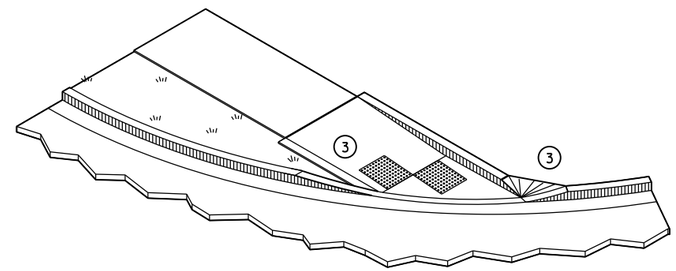
DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE, SHALL BE FROM THE SAME MANUFACTURER.

(3) INSTALL TRANSITION NOSE. (INCIDENTAL TO OTHER PAY ITEMS.) DO NOT MARK TRANSITION NOSE.

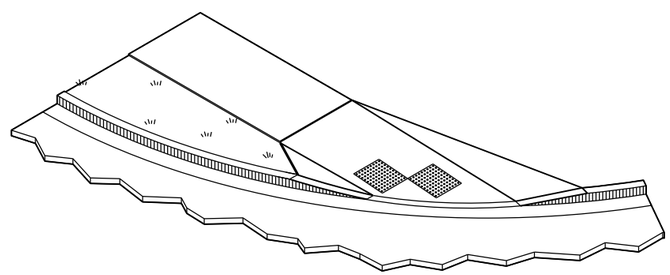
(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.



CURB RAMP TYPE 4B1
PLAN VIEW



ISOMETRIC VIEW FOR TYPE 4B



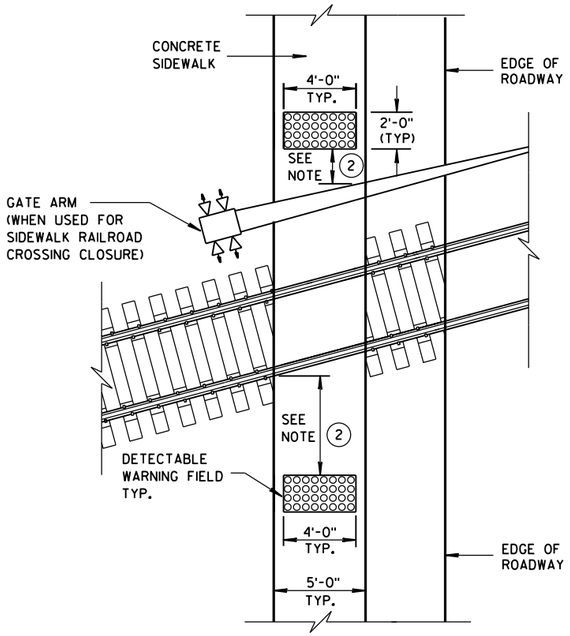
ISOMETRIC VIEW FOR TYPE 4B1

CURB RAMPS TYPE 4B AND 4B1

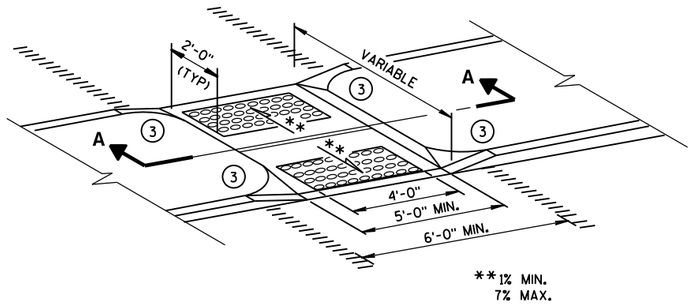
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR

6

S.D.D. 8 D 5-15d



TYPE 8
DETECTABLE WARNINGS AT RAILROAD CROSSING



MEDIAN ISLAND
NON-ELEVATED CROSSING
TYPE 5

GENERAL NOTES

SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2%.

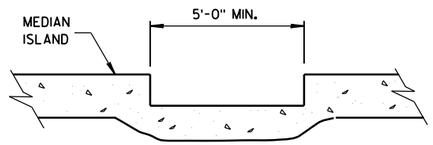
DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE, SHALL BE FROM THE SAME MANUFACTURER.

(1) SLOPE SIDEWALK TOWARD LANDING AS SHOWN WHERE THERE IS NO TERRACE OR WHERE THE TERRACE WIDTH IS LESS THAN 6 FEET WIDE.

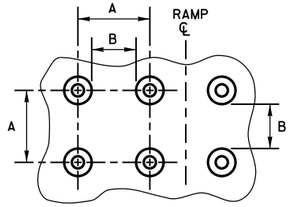
(2) THE EDGE OF THE DETECTABLE WARNING FIELD NEAREST TO A RAILROAD CROSSING SHALL BE 1.5 FEET ± 0.1' FROM THE FACE OF THE GATE ARM IF THE GATE ARM EXTENDS ACROSS THE SIDEWALK. WHERE THERE IS NO PEDESTRIAN GATE, THE EDGE OF THE DETECTABLE WARNING FIELD NEAREST TO THE RAILROAD CROSSING SHALL BE 15 FEET FROM THE NEAREST RAIL.

(3) INSTALL TRANSITION NOSE. (INCIDENTAL TO OTHER PAY ITEMS.) DO NOT MARK TRANSITION NOSE.

(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.



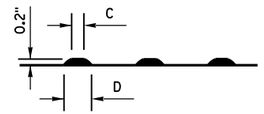
SECTION A-A



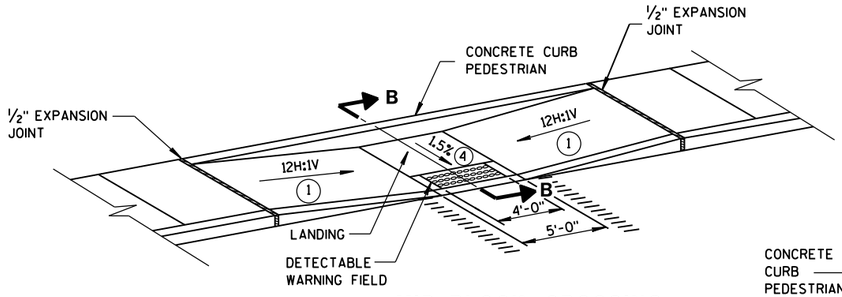
PLAN VIEW

	MIN.	MAX.
A	1.6"	2.4"
B	0.65"	1.5"
C	*	*
D	0.9"	1.4"

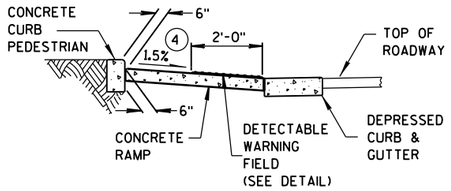
* THE C DIMENSION IS 50% TO 65% OF THE D DIMENSION.



ELEVATION VIEW

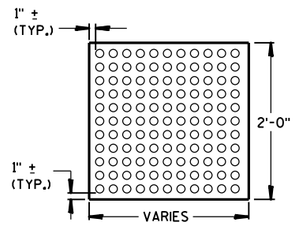


MID-BLOCK CROSSING
TYPE 7A



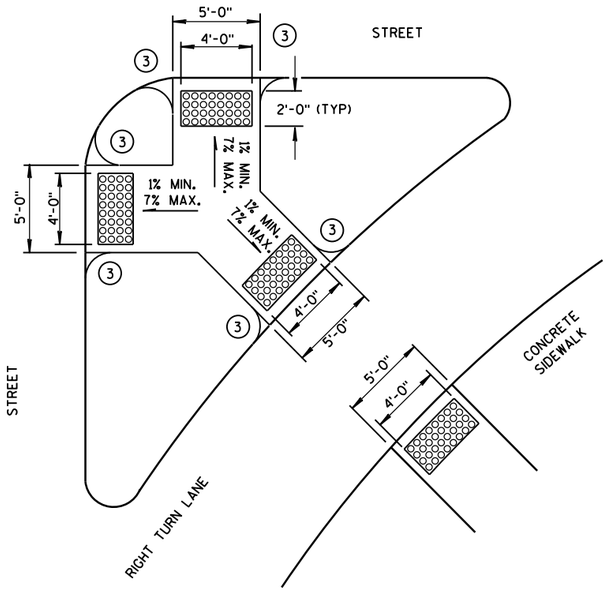
SECTION B-B

TRUNCATED DOMES
DETECTABLE WARNING PATTERN DETAIL

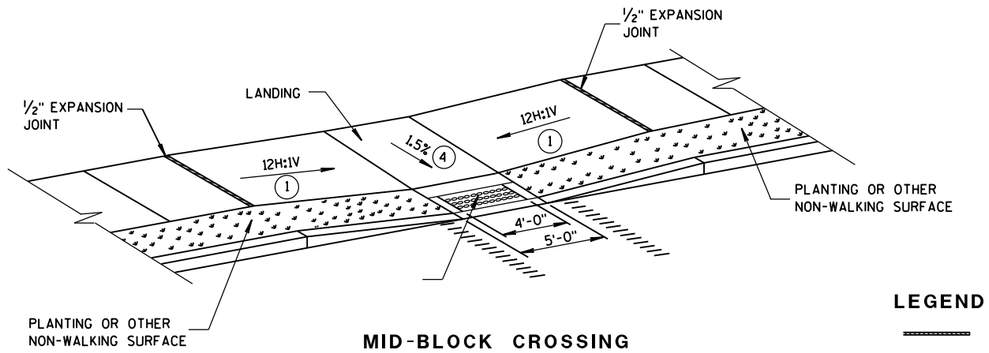


PLAN VIEW

DETECTABLE WARNING FIELD (TYPICAL)



TYPE 6
DETECTABLE WARNING AT ISLANDS



MID-BLOCK CROSSING
TYPE 7B

NOTE: THESE PARALLEL AND PARALLEL/PERPENDICULAR CURB RAMPS MAY BE USED AT INTERSECTIONS AND MID BLOCK LOCATIONS.

LEGEND

- ½" EXPANSION JOINT-SIDEWALK
- CONTRACTION JOINT FIELD LOCATED
- PAVEMENT MARKING CROSSWALK (WHITE)

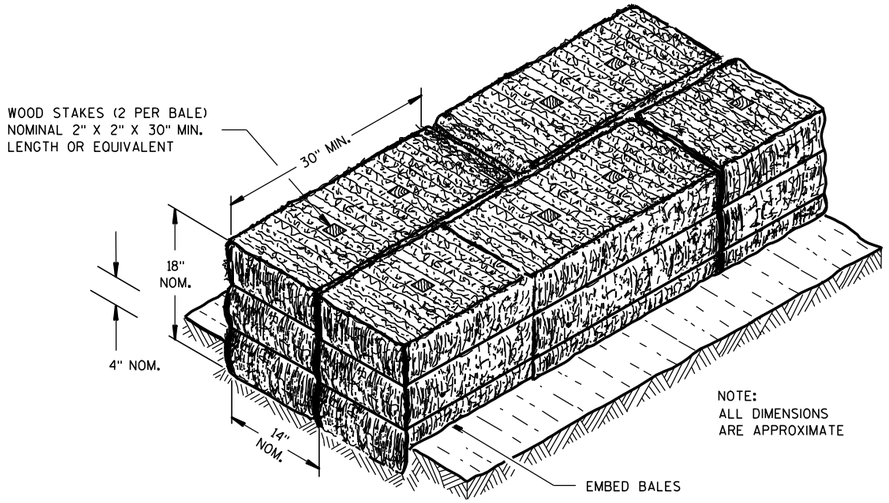
CURB RAMPS
TYPES 5, 6, 7A, 7B & 8

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

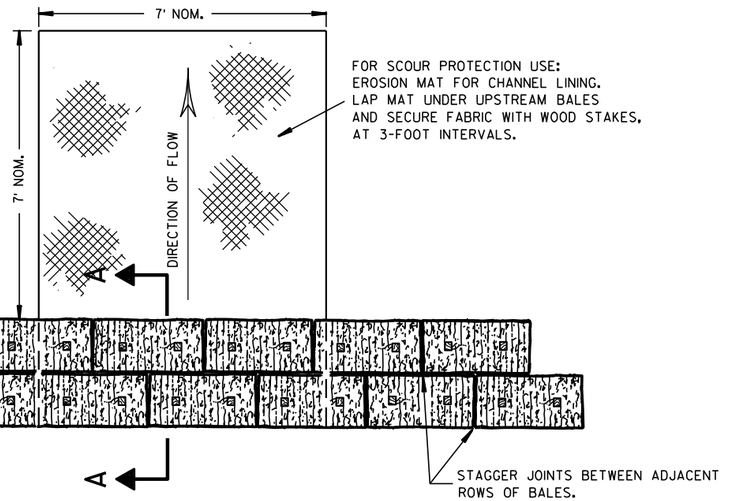
APPROVED
2-6-2013 DATE
/S/ Jerry H. Zogg
ROADWAY STANDARDS [illegible] ENGINEER
FHWA

6

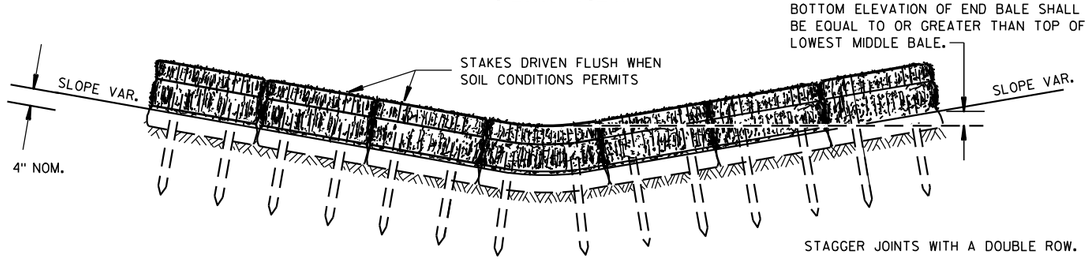
S.D.D. 8 D 5-15e



SECTION A-A



PLAN VIEW



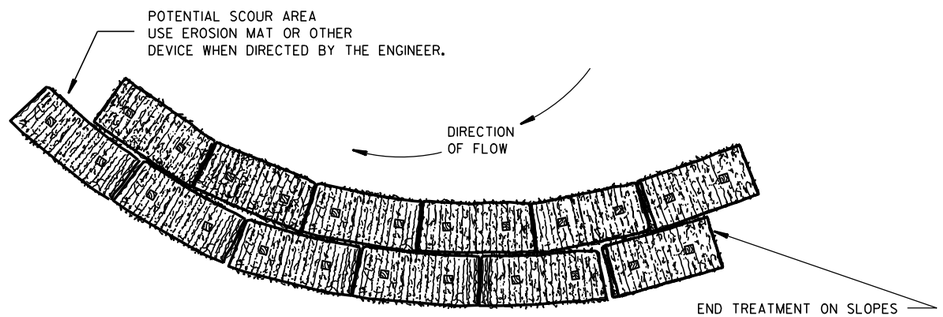
FRONT ELEVATION

TEMPORARY DITCH CHECK USING EROSION BALES ①

GENERAL NOTES

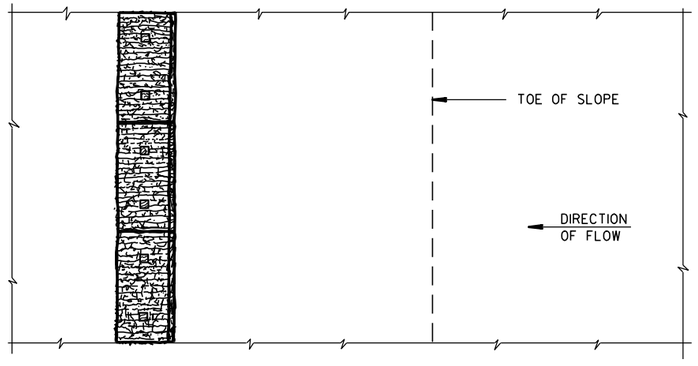
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

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

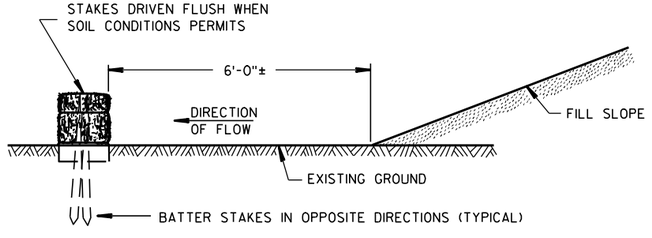


PLAN VIEW

WHEN ALTERING THE DIRECTION OF FLOW



PLAN VIEW



FRONT ELEVATION

WHEN EXISTING GROUND SLOPES AWAY FROM FILL SLOPE

EROSION BALES FOR SHEET FLOW

TYPICAL INSTALLATIONS OF EROSION BALES / TEMPORARY DITCH CHECKS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

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

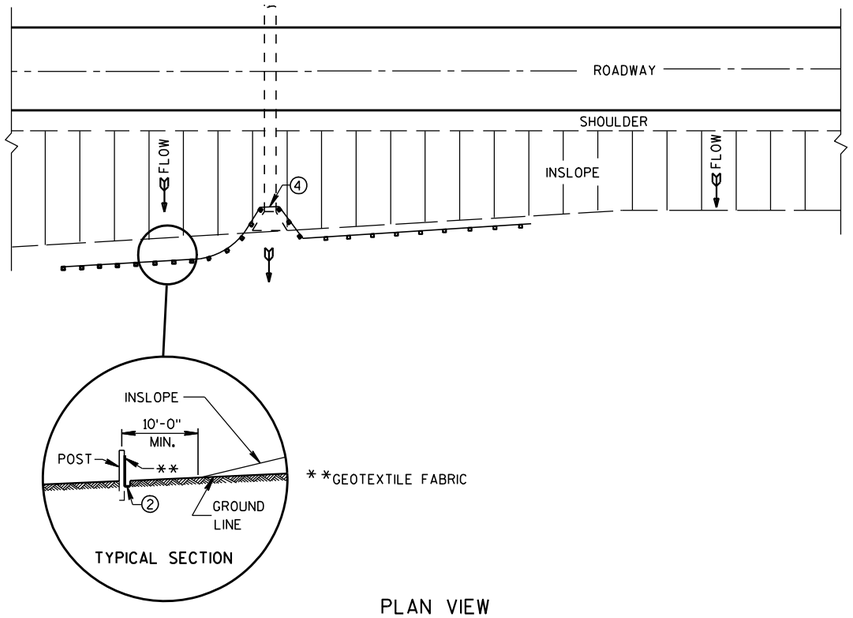
FHWA

6

S.D.D. 8 E 8-3

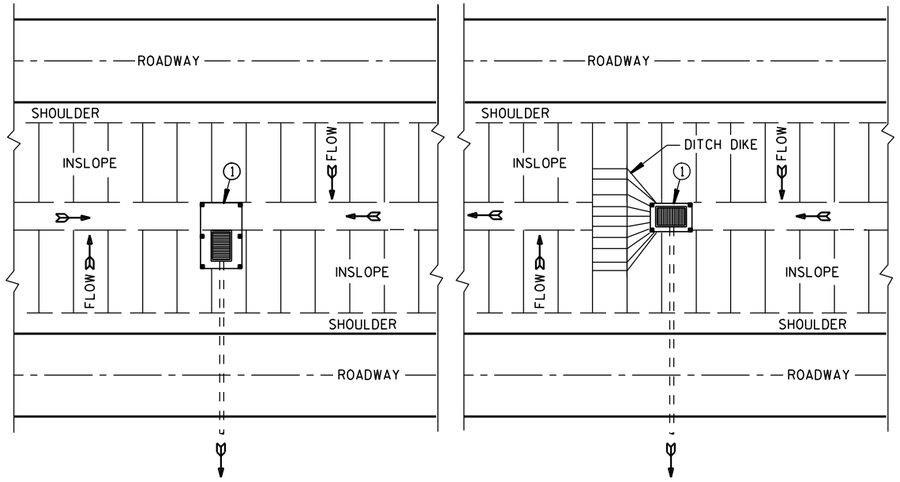
6

S.D.D. 8 E 8-3



PLAN VIEW

TYPICAL APPLICATION OF SILT FENCE



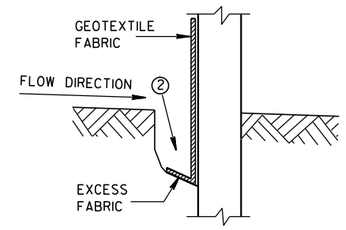
PLAN VIEW

SILT FENCE AT MEDIAN SURFACE DRAINS

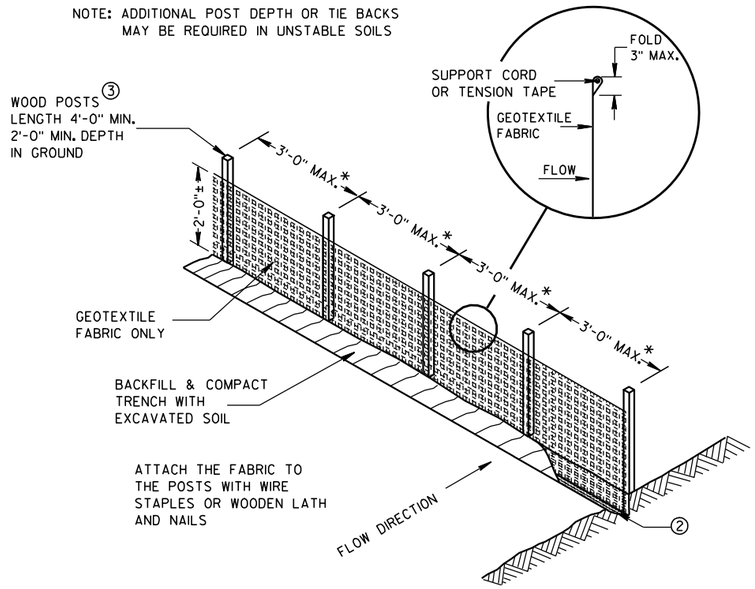
GENERAL NOTES

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

1. HORIZONTAL BRACE REQUIRED WITH 2" X 4" WOODEN FRAME OR EQUIVALENT AT TOP OF POSTS.
2. FOR MANUAL INSTALLATIONS THE TRENCH SHALL BE A MINIMUM OF 4" WIDE & 6" DEEP TO BURY AND ANCHOR THE GEOTEXTILE FABRIC. FOLD MATERIAL TO FIT TRENCH AND BACKFILL & COMPACT TRENCH WITH EXCAVATED SOIL.
3. WOOD POSTS SHALL BE A MINIMUM SIZE OF 1⅛" X 1⅛" OF OAK OR HICKORY.
4. SILT FENCE TO EXTEND ACROSS THE TOP OF THE PIPE.
5. CONSTRUCT SILT FENCE FROM A CONTINUOUS ROLL IF POSSIBLE BY CUTTING LENGTHS TO AVOID JOINTS. IF A JOINT IS NECESSARY USE ONE OF THE FOLLOWING TWO METHODS; A) OVERLAP THE END POSTS AND TWIST, OR ROTATE, AT LEAST 180 DEGREES, B) HOOK THE END OF EACH SILT FENCE LENGTH.

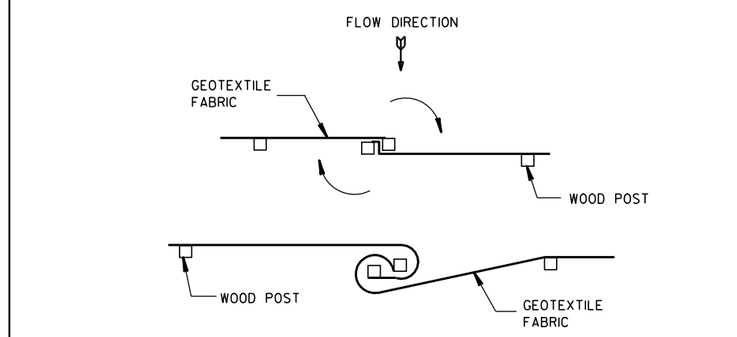


TRENCH DETAIL

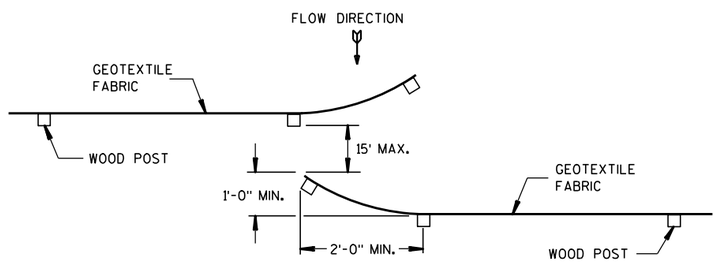


*NOTE: 8'-0" POST SPACING ALLOWED IF A WOVEN GEOTEXTILE FABRIC IS USED.

SILT FENCE

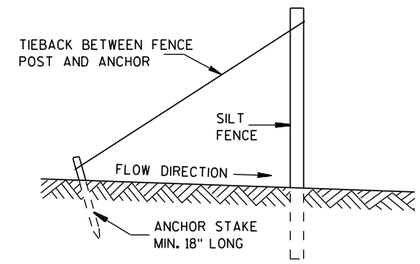


TWIST METHOD



HOOK METHOD

JOINING TWO LENGTHS OF SILT FENCE 5



SILT FENCE TIE BACK

(WHEN REQUIRED BY THE ENGINEER)

SILT FENCE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

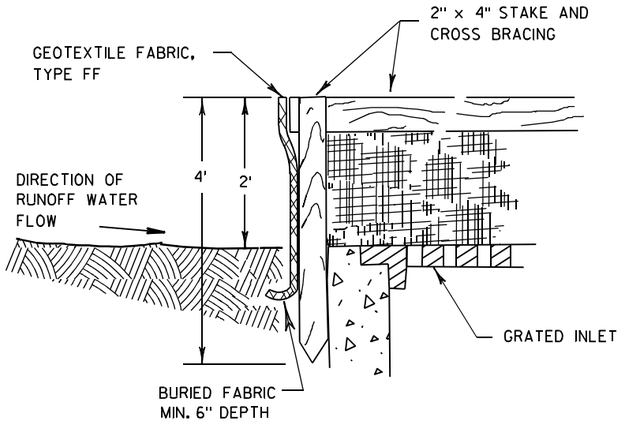
APPROVED
4-29-05 DATE
/S/ Beth Cannestra
CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

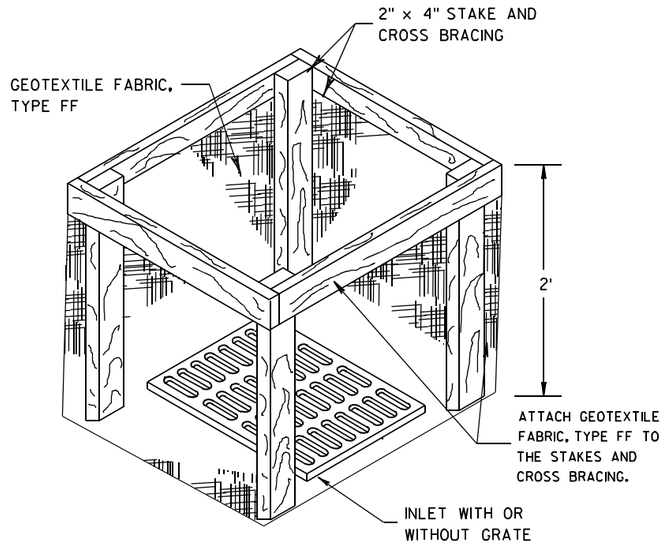
6

S.D.D. 8 E 9-6

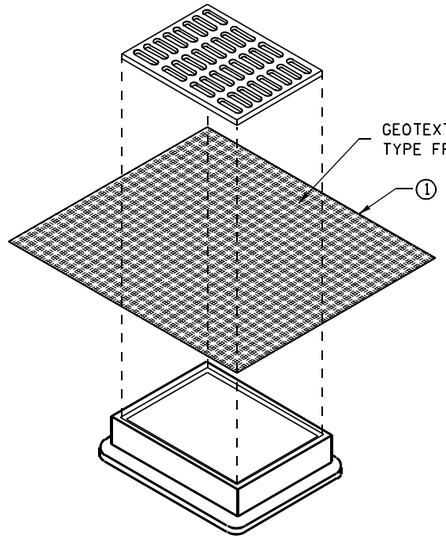
6

S.D.D. 8 E 9-6



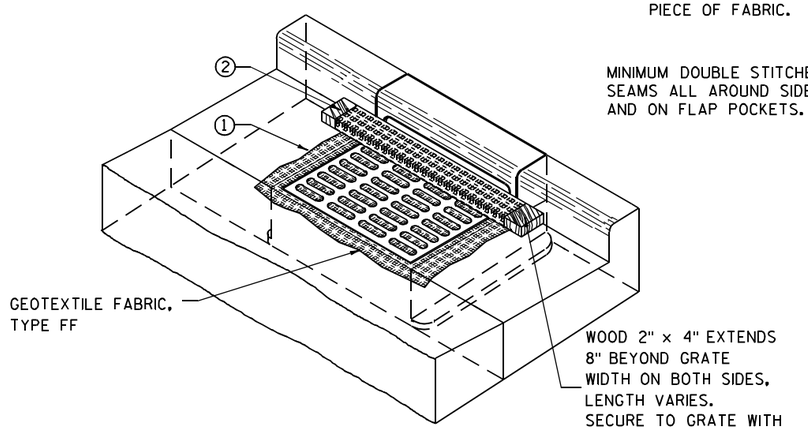


INLET PROTECTION, TYPE A

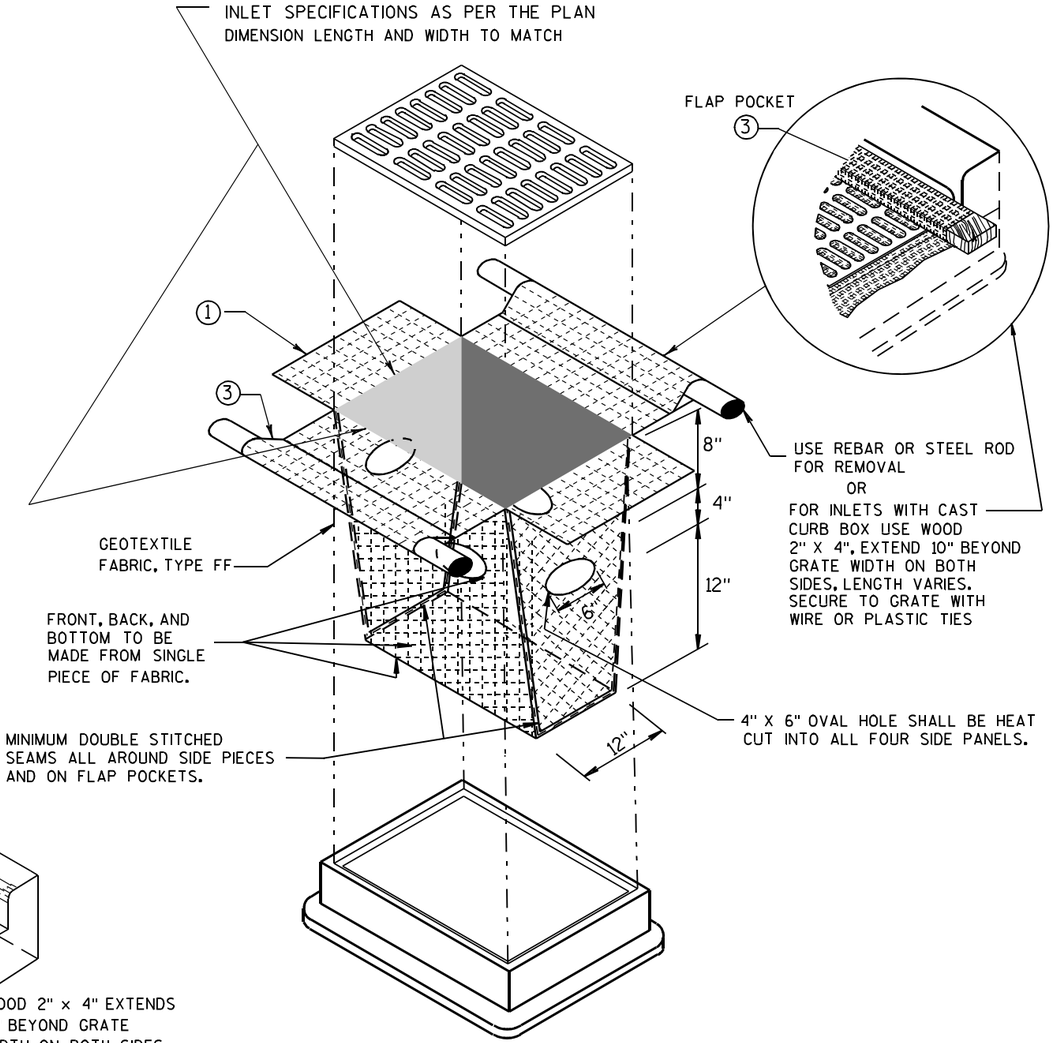


INLET PROTECTION, TYPE B
(WITHOUT CURB BOX)

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



INLET PROTECTION, TYPE C (WITH CURB BOX)



INLET PROTECTION, TYPE D

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

GENERAL NOTES

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

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

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

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

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

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

INSTALLATION NOTES

TYPE B & C

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

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

TYPE D

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

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

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

INLET PROTECTION
TYPE A, B, C, AND D

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

10/16/02
DATE

/S/ Beth Cannestra
CHIEF ROADWAY DEVELOPMENT ENGINEER

FHWA

6

S.D.D. 8 E 10-2

6

S.D.D. 8 E 10-2

METAL APRON ENDWALLS

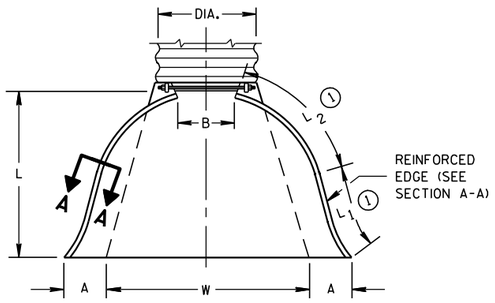
PIPE DIA. (IN.)	MIN. THICK. (Inches) STEEL	MIN. THICK. (Inches) ALUM.	DIMENSIONS (Inches) A (±1")	B (MAX.)	H (±1")	L (±1 1/2")	L1 ①	L2 ①	W (±2")	APPROX. SLOPE	BODY
12	.064	.060	6	6	6	21	12	17 1/2	24	2 1/2 to 1	1 Pc.
15	.064	.060	7	8	6	26	14	21 3/4	30	2 1/2 to 1	1 Pc.
18	.064	.060	8	10	6	31	15	28 1/4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

× EXCEPT CENTER PANEL SEE GENERAL NOTES

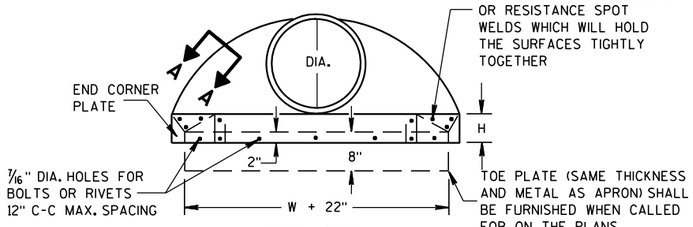
REINFORCED CONCRETE APRON ENDWALLS

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

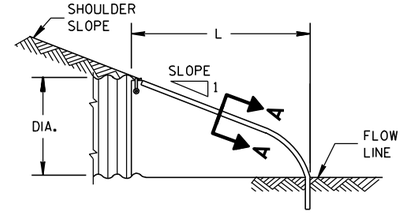
*MINIMUM
**MAXIMUM



PLAN VIEW

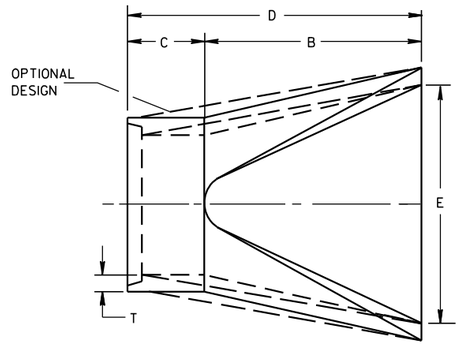


END VIEW

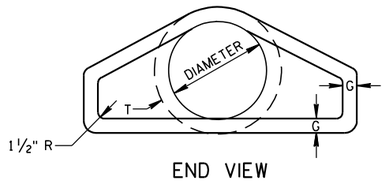


SIDE ELEVATION

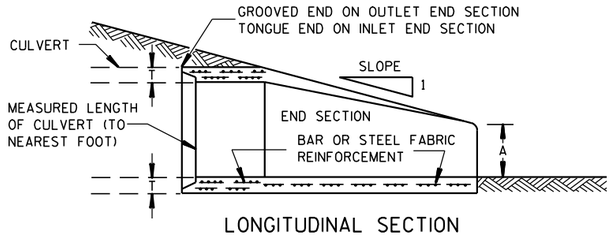
METAL ENDWALLS



PLAN

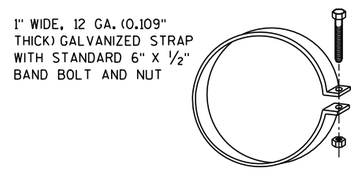


END VIEW



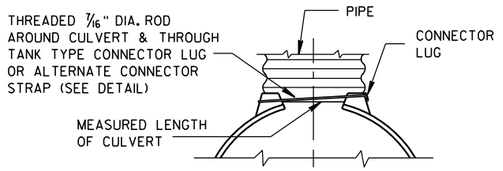
LONGITUDINAL SECTION

CONCRETE ENDWALLS

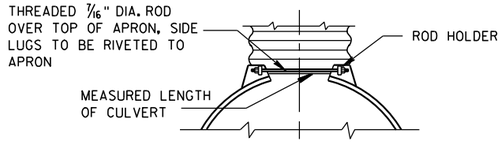


ALTERNATE FOR TYPE 1 CONNECTION

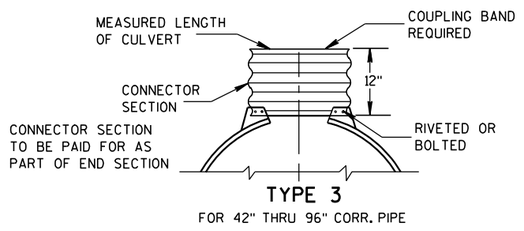
END SECTION CONNECTOR STRAP



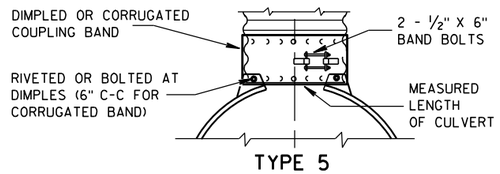
TYPE 1
FOR 12" THRU 24" CORR. PIPE



TYPE 2
FOR 30" THRU 96" CORR. PIPE



TYPE 3
FOR 42" THRU 96" CORR. PIPE



TYPE 5
ALTERNATE FOR:
ALL SIZES CORRUGATED CIRCULAR PIPE

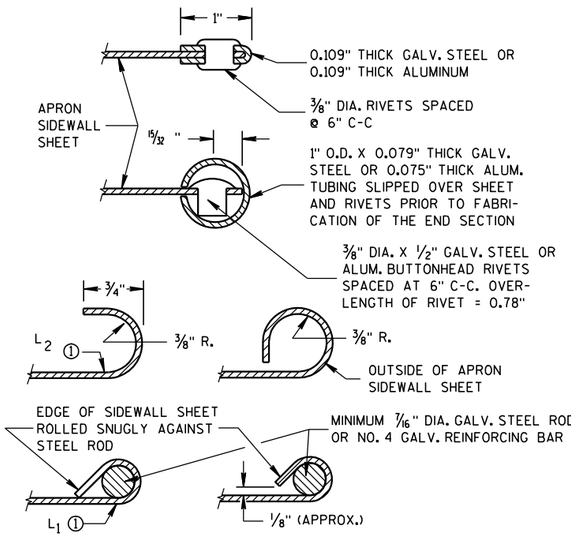
NOTE: DIMPLED BAND FITS OVER OUTSIDE OF ENDWALL. AND CORRUGATED BAND FITS INSIDE ENDWALL. DIMPLED BAND MAY BE USED WITH HELICALLY CORRUGATED PIPE.

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

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

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

CONNECTION DETAILS



SECTION A-A

GENERAL NOTES

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

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

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

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

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

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

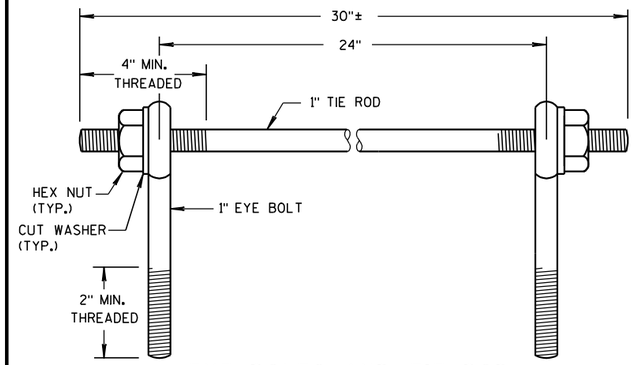
APRON ENDWALLS FOR CULVERT PIPE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

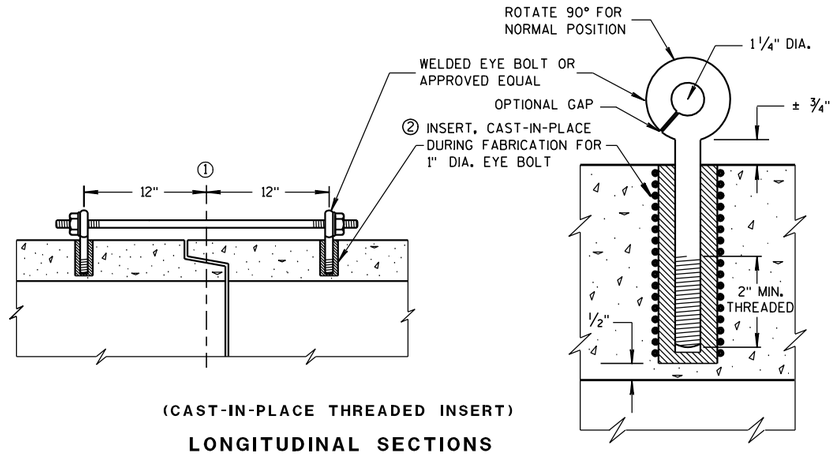
APPROVED
11/30/94 DATE
/S/ Rory L. Rhinesmith
CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

6

S.D.D. 8 F 1-11



EYE BOLTS AND TIE ROD



(CAST-IN-PLACE THREADED INSERT)

LONGITUDINAL SECTIONS

EYE BOLT AND TIE ROD ASSEMBLY (ALTERNATE NO. 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 APPLICABLE SPECIAL PROVISIONS.

CONCRETE CULVERT AND STORM SEWER PIPE SHALL BE TIED TOGETHER IN THE MANNER ILLUSTRATED BY THIS DETAIL AT LOCATIONS DESIGNATED IN THE STANDARD SPECIFICATIONS AND 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 THE PIPE BY THIS DETAIL WILL BE CONSIDERED INCIDENTAL TO THE PIPE AND APRON ENDWALLS IF REQUIRED.

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

JOINT TIES TO BE HOT-DIP GALVANIZED PER ASTM A 153.

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

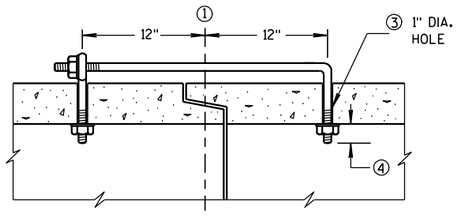
② THE INSIDE OF THE THREADED INSERTS SHALL BE CLEAN TO ALLOW THE INSERTION OF THREADED EYE BOLTS.

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

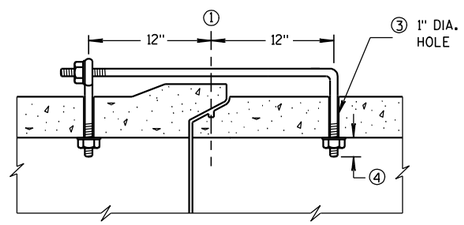
④ BOLT PROJECTION INSIDE OF PIPE SHALL NOT EXCEED 2 INCHES.

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.



(TONGUE & GROOVE PIPE)

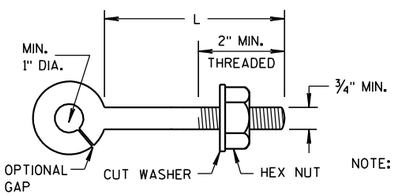


(MODIFIED BELL PIPE)

LONGITUDINAL SECTION

EYE BOLT DIMENSION TABLE

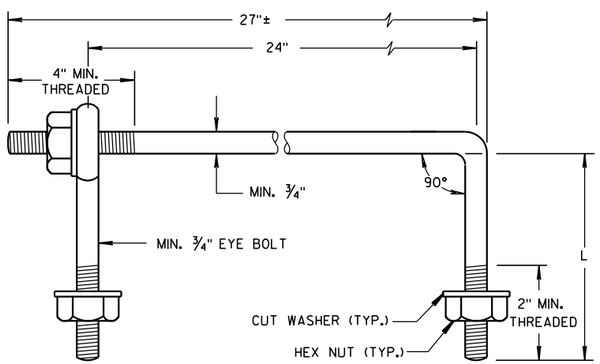
PIPE SIZE	L = LENGTH	
	TONGUE & GROOVE PIPE	MODIFIED BELL PIPE
18" TO 24"	4 1/2"	6 1/4"
30"	5"	7"
36"	5 1/2"	7"
42"	6"	
48"	6 1/2"	
60"	7 1/2"	
66"	8"	



NOTE:

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

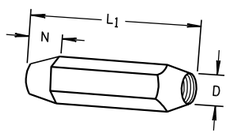
(JOINT TIES FOR 18" TO 66" DIA. CONCRETE PIPE)

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

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 1/16

DIMENSIONS SHOWN ARE IN INCHES



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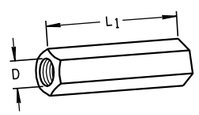
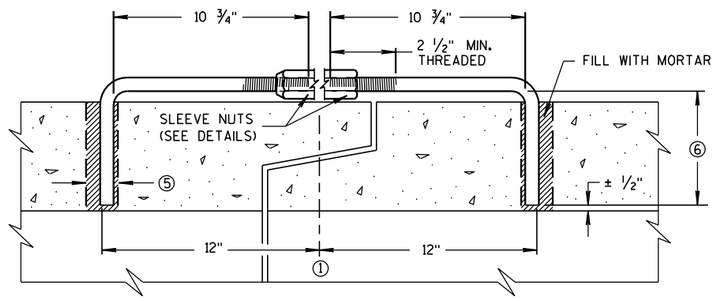


PLAIN

RIGHT AND LEFT THREADS

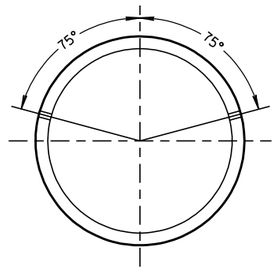
SLEEVE NUTS



LONGITUDINAL SECTION

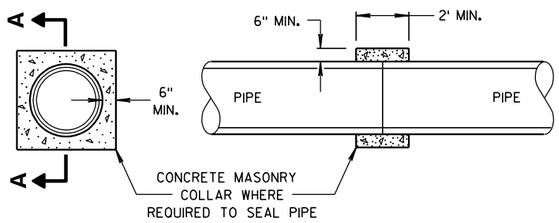
(JOINT TIES FOR 12" TO 108" DIA. CONCRETE PIPE)

ADJUSTABLE TIE ROD (ALTERNATE NO. 3)



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

TRANSVERSE SECTION



SECTION A-A

CONCRETE COLLAR DETAIL

JOINT TIES FOR CONCRETE PIPE AND CONCRETE COLLAR DETAIL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
6/5/2012 — DATE
/S/ Jerry H. Zogg — ROADWAY STANDARDS ENGINEER
187
FHWA

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S.D.D. 8 F 4-7

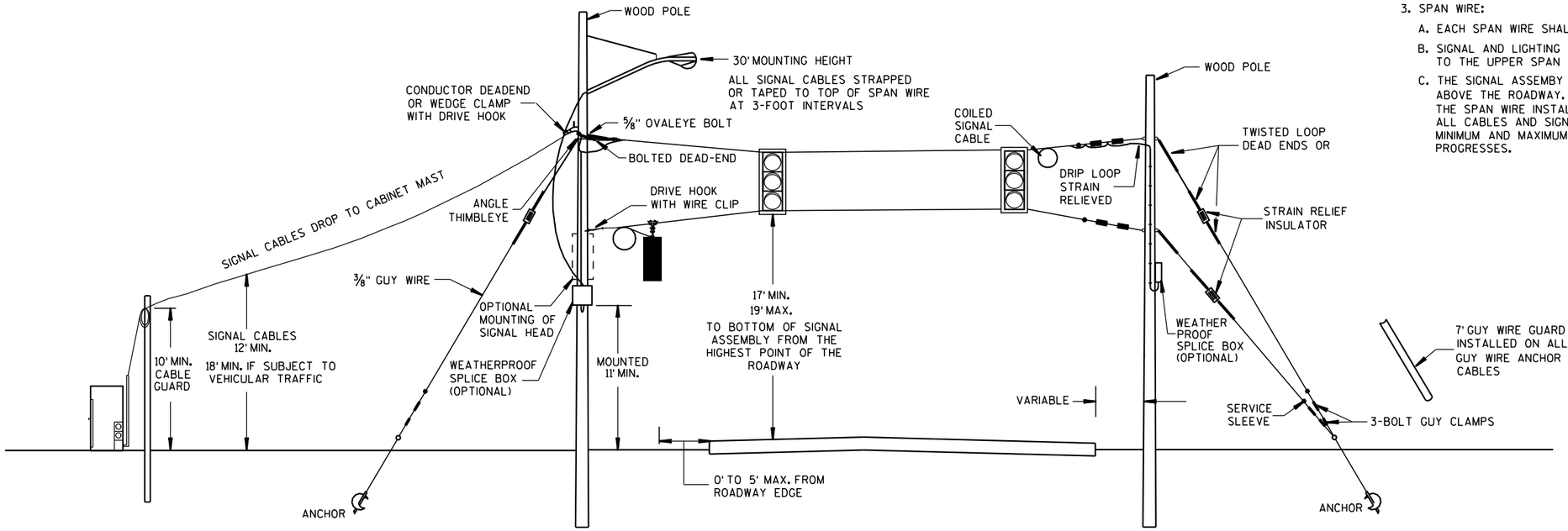
GENERAL NOTES

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

1. WOOD POLES SHALL BE CLASS 4. LENGTH DETERMINED BY SIGNAL PLAN.

2. SIGNAL FACES:
   A. ALL SECTIONS SHALL BE 12" AND POLYCARBONATE.
   B. EACH SHALL CONTAIN A 5" WIDE DULL BLACK POLYCARBONATE BACKPLATE.
   C. EACH SHALL BE WIRED FROM THE TOP SIGNAL MOUNTING BRACKET.
   D. NEAR RIGHT SIGNAL FACE SUSPENDED ON THE TETHER (NO BACKPLATE) SHALL NOT BE OVER THE TRAVELED WAY. IF THE POLE IS WITHIN 5 FEET OF THE TRAVELED WAY MOUNT THE SIGNAL FACE ON THE WOOD POLE WITH BACKPLATE.

3. SPAN WIRE:
   A. EACH SPAN WIRE SHALL BE INDIVIDUALLY DOWN GUYED.
   B. SIGNAL AND LIGHTING CABLES SHALL ONLY BE ATTACHED TO THE UPPER SPAN WIRE.
   C. THE SIGNAL ASSEMBY SHALL HAVE A 17' MIN. HEIGHT ABOVE THE ROADWAY. THIS SHALL BE MEASURED AFTER THE SPAN WIRE INSTALLATION IS COMPLETED WITH ALL CABLES AND SIGNAL FACES IN PLACE. MAINTAIN MINIMUM AND MAXIMUM HEIGHTS AS ROADWAY WORK PROGRESSES.



SPAN WIRE
TEMPORARY SIGNALS

MINIMUM POLE LENGTHS	POLE BURIEL DEPTHS
25'	5'
30'	6'
35'	7'
40'	8'
45'	9'

SPAN WIRE
TEMPORARY TRAFFIC SIGNAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

7-14-08 DATE

/S/ Balu Ananthar[illegible]n
STATE ELECTRICAL ENGI 188 HWYS

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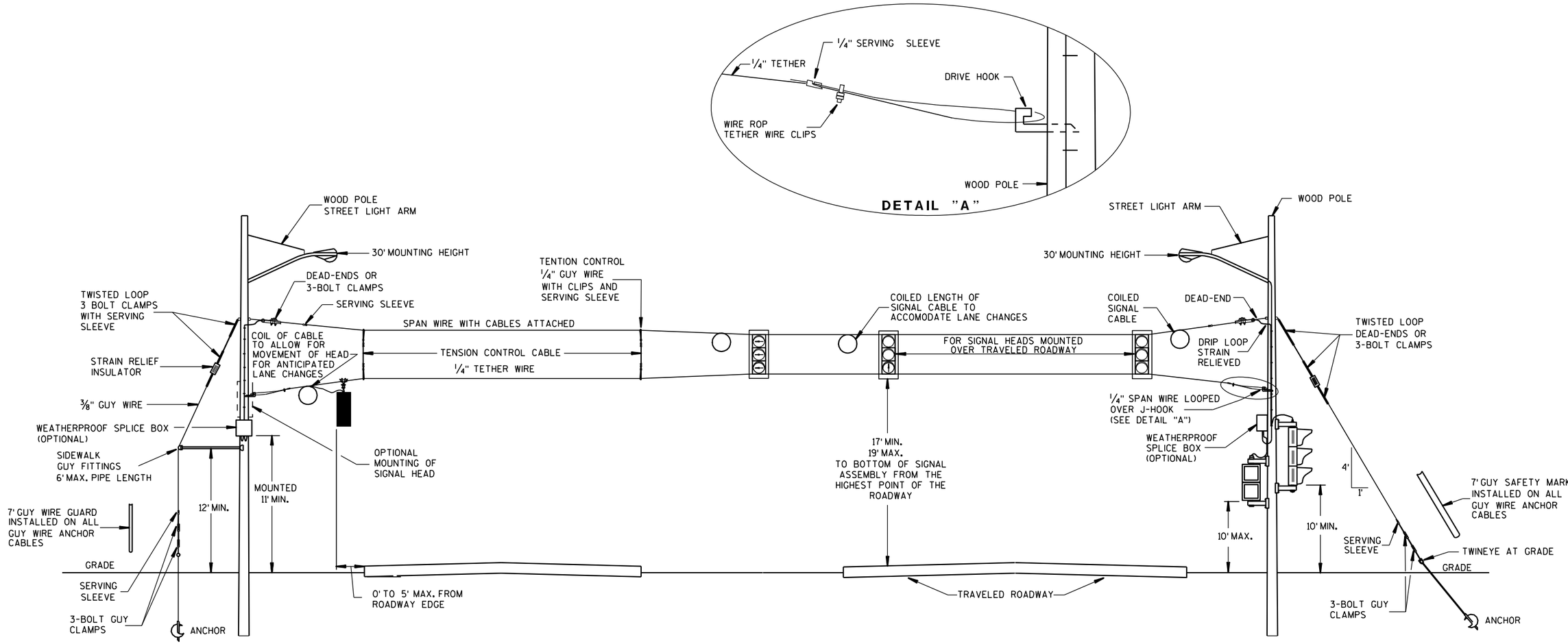

GENERAL NOTES

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   C. EACH SHALL BE WIRED FROM THE TOP SIGNAL MOUNTING BRACKET.
   D. NEAR RIGHT SIGNAL FACE SUSPENDED ON THE TETHER (NO BACKPLATE) SHALL NOT BE OVER THE TRAVELED WAY. IF THE POLE IS WITHIN 5 FEET OF THE TRAVELED WAY MOUNT THE SIGNAL FACE ON THE WOOD POLE WITH BACKPLATE.
   E. FAR INDICATION SHALL BE MAINTAINED OVER CENTER OF TRAFFIC LANE.
3. SPAN WIRE:
   A. EACH SPAN WIRE SHALL BE INDIVIDUALLY DOWN GUYED.
   B. SIGNAL AND LIGHTING CABLES SHALL ONLY BE ATTACHED TO THE UPPER SPAN WIRE.
   C. THE SIGNAL ASSEMBY SHALL HAVE A 17' MIN. HEIGHT ABOVE THE ROADWAY. THIS SHALL BE MEASURED AFTER THE SPAN WIRE INSTALLATION IS COMPLETED WITH ALL CABLES AND SIGNAL FACES IN PLACE. MAINTAIN MINIMUM AND MAXIMUM HEIGHTS AS ROADWAY WORK PROGRESSES.

SPAN WIRE
TEMPORARY SIGNALS
4 LANE ROADWAYS

MINIMUM POLE LENGTHS	CLASS	MIN. BURIAL DEPTHS
25'	V	5'
30'	V	6'
35'	IV	7'
40'	IV	8'
45'	IV	9'

SPAN WIRE
TEMPORARY TRAFFIC SIGNAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

7-14-08 DATE

/S/ Balu Ananthanarayanan
STATE ELECTRICAL ENGI

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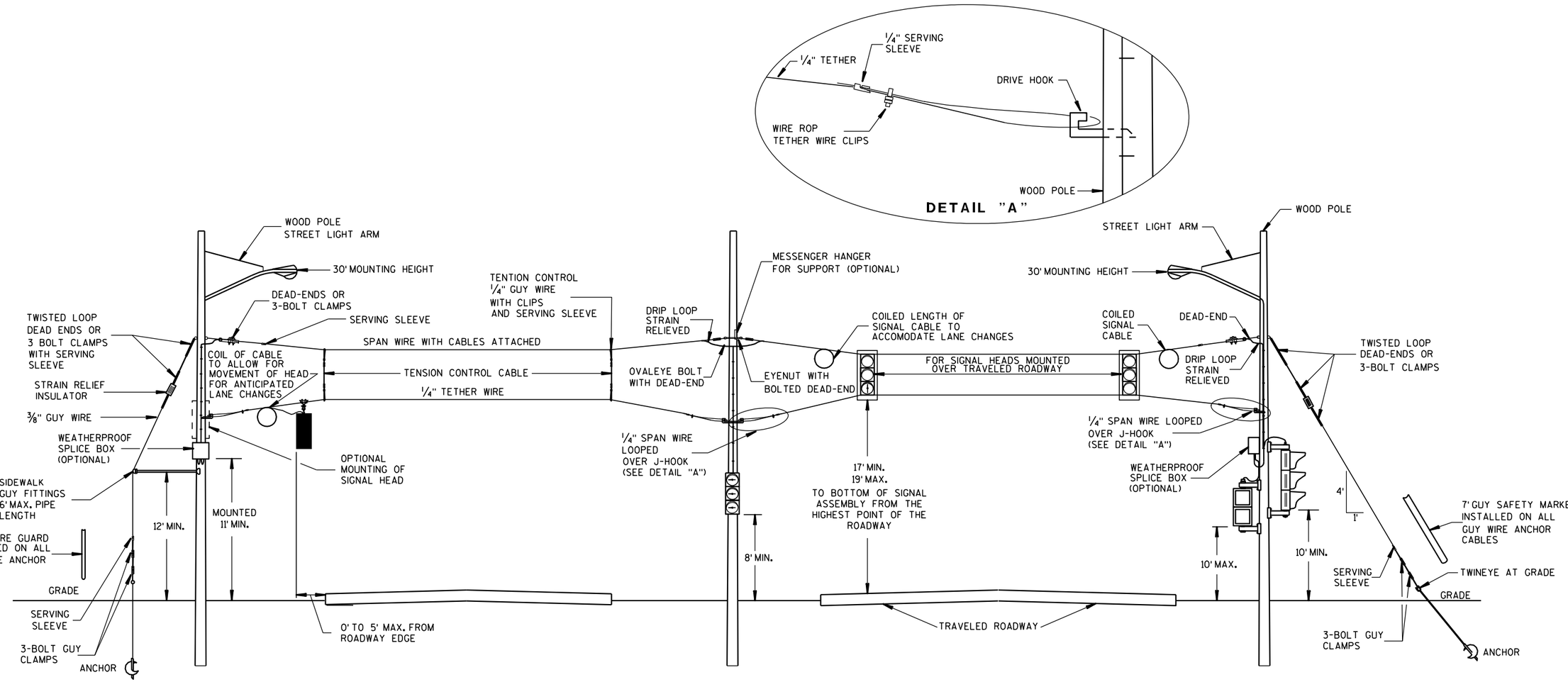

SPAN WIRE
TEMPORARY SIGNALS
4 LANE ROADWAYS

GENERAL NOTES

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

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2. SIGNAL FACES:
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   C. EACH SHALL BE WIRED FROM THE TOP SIGNAL MOUNTING BRACKET.
   D. NEAR RIGHT SIGNAL FACE SUSPENDED ON THE TETHER (NO BACKPLATE) SHALL NOT BE OVER THE TRAVELED WAY. IF THE POLE IS WITHIN 5 FEET OF THE TRAVELED WAY MOUNT THE SIGNAL FACE ON THE WOOD POLE WITH BACKPLATE.
   E. FAR INDICATION SHALL BE MAINTAINED OVER CENTER OF TRAFFIC LANE.

3. SPAN WIRE:
   A. EACH SPAN WIRE SHALL BE INDIVIDUALLY DOWN GUYED.
   B. SIGNAL AND LIGHTING CABLES SHALL ONLY BE ATTACHED TO THE UPPER SPAN WIRE.
   C. THE SIGNAL ASSEMBY SHALL HAVE A 17' MIN. HEIGHT ABOVE THE ROADWAY. THIS SHALL BE MEASURED AFTER THE SPAN WIRE INSTALLATION IS COMPLETED WITH ALL CABLES AND SIGNAL FACES IN PLACE. MAINTAIN MINIMUM AND MAXIMUM HEIGHTS AS ROADWAY WORK PROGRESSES.

MINIMUM POLE LENGTHS	CLASS	MIN. BURIAL DEPTHS
25'	V	5'
30'	V	6'
35'	IV	7'
40'	IV	8'
45'	IV	9'

SPAN WIRE TEMPORARY TRAFFIC SIGNAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

7-14-08 DATE

/S/ Balu Ananthanarayanan
STATE ELECTRICAL ENGI

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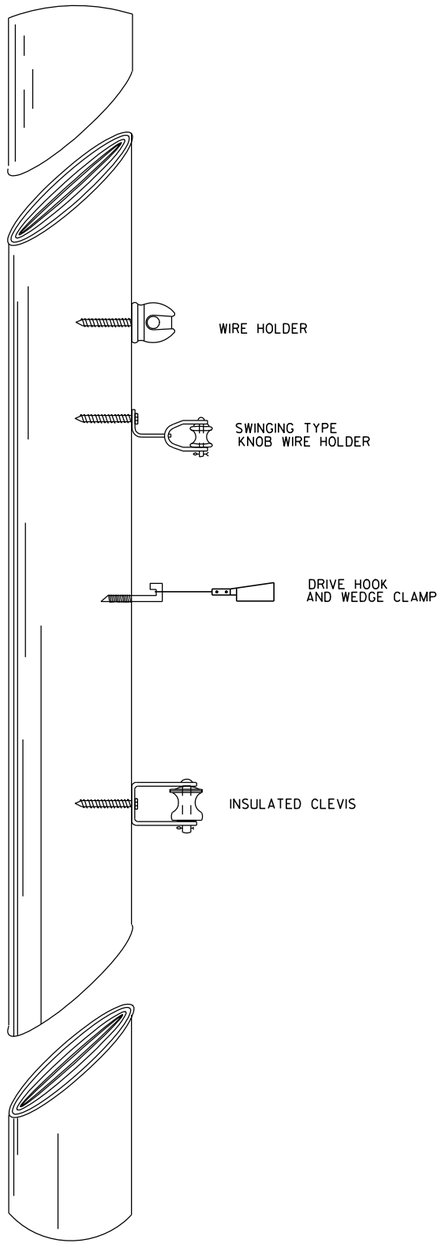
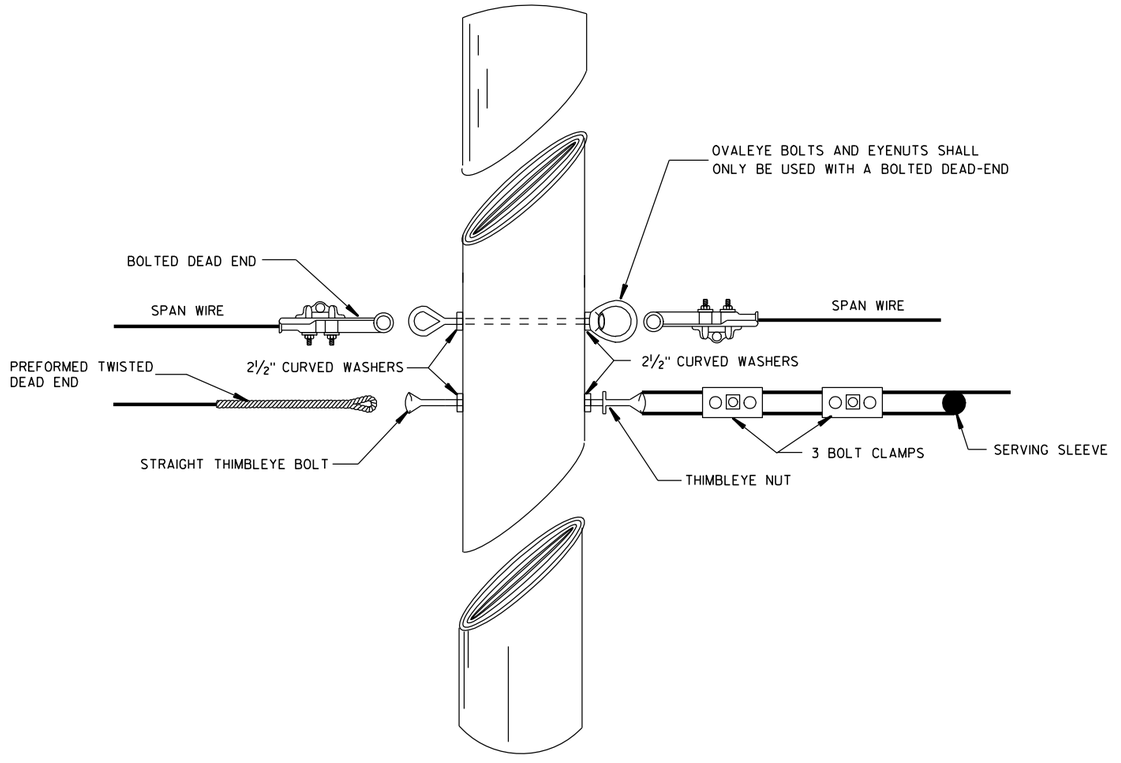


TYPICAL CABLE HANGERS



TYPICAL DEAD-ENDING

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S.D.D. 9 G 1-3d

SPAN WIRE
TEMPORARY TRAFFIC SIGNAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

7-14-08
DATE

/S/ Balu Ananthanarayanan
STATE ELECTRICAL ENGI

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HWYS

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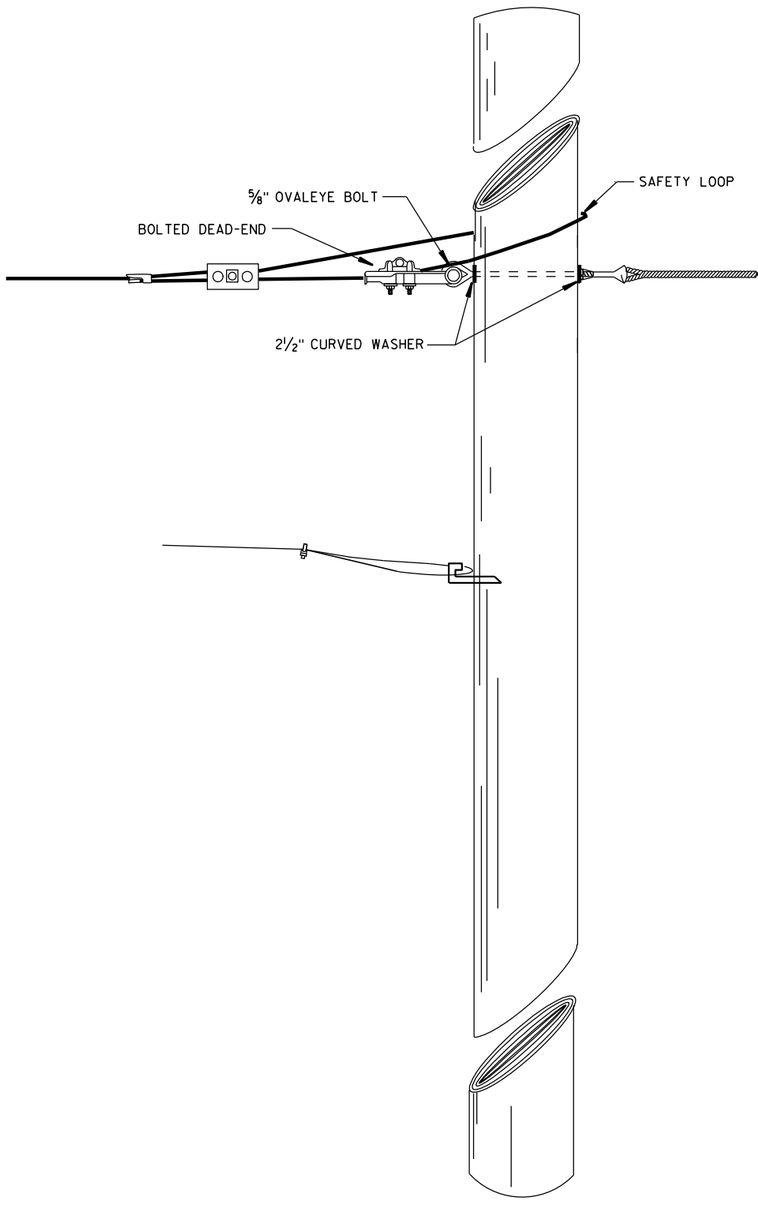
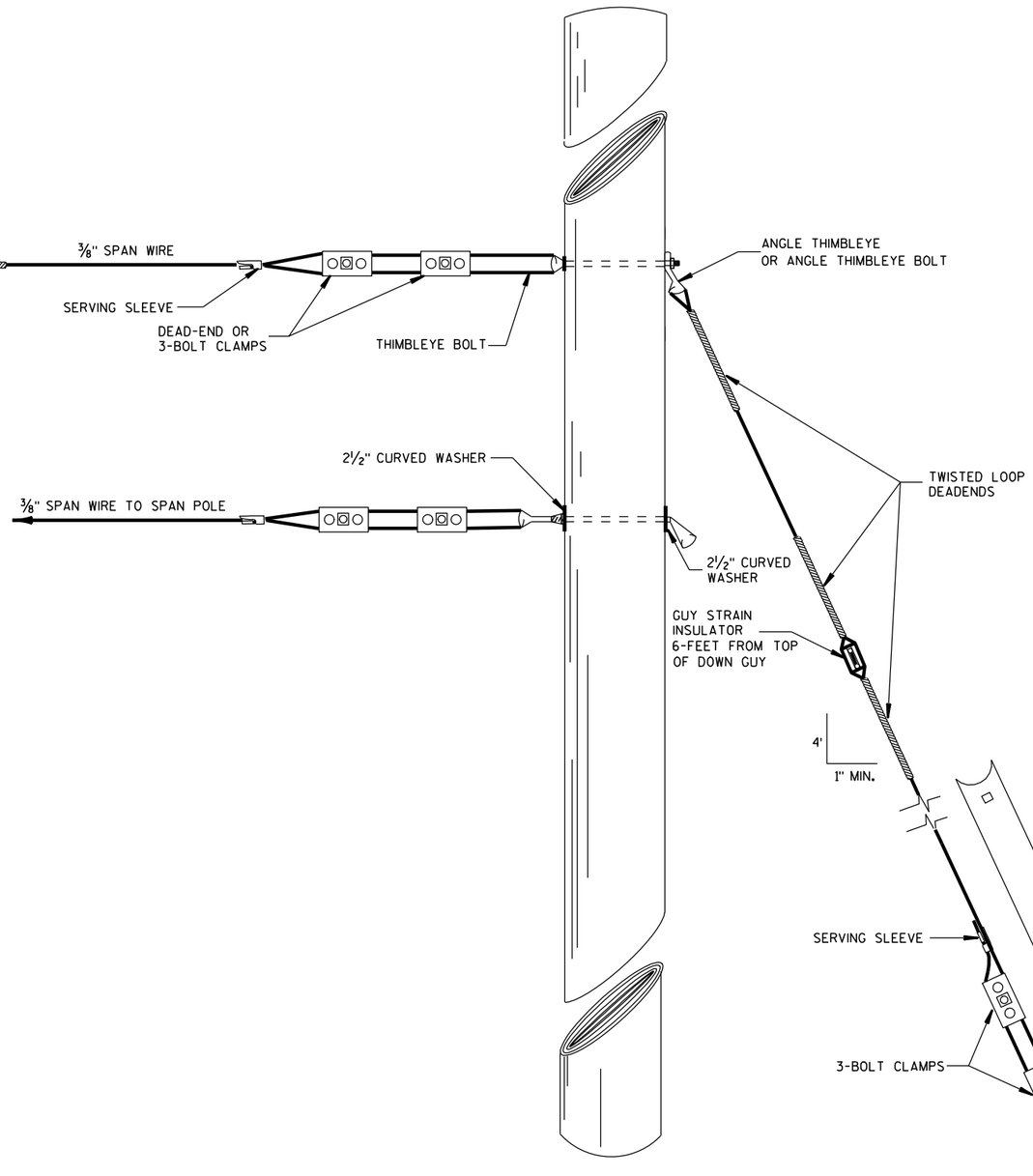
GENERAL NOTES

1. USE ¾" DRILL IN WOOD POLE TO PROVIDE HOLE FOR ⅝" BOLTS.
2. SAFTY LOOP REQUIRED ON EACH END OF ALL SPAN WIRES.



SPAN WIRE POLE



GUY POLE

TYPICAL DEAD-ENDINGS OR GUYING

SPAN WIRE
TEMPORARY TRAFFIC SIGNAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
7-14-08 DATE
/S/ Balu Aganthanarayanan
STATE ELECTRICAL ENGI 192 HWYS
FHWA

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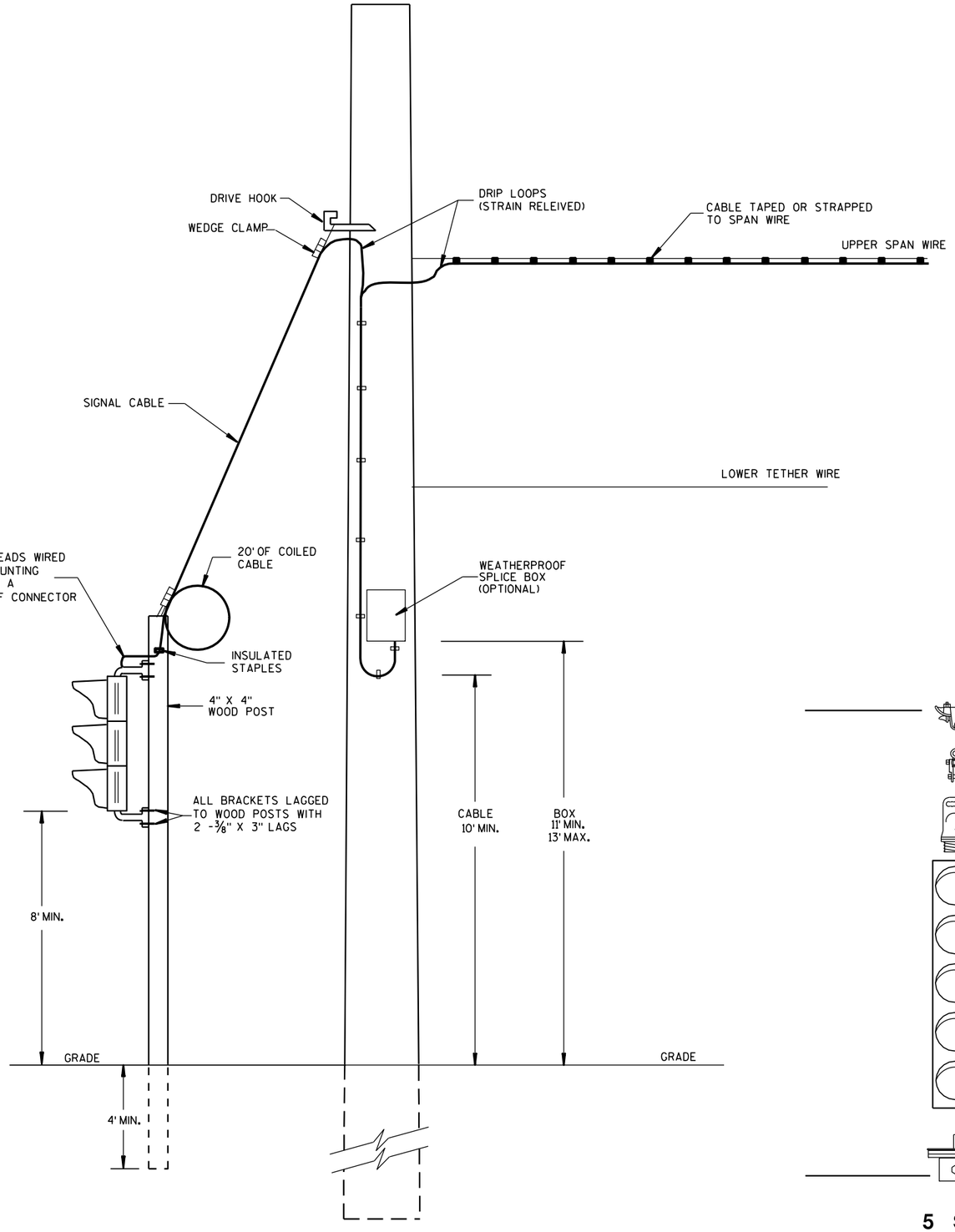
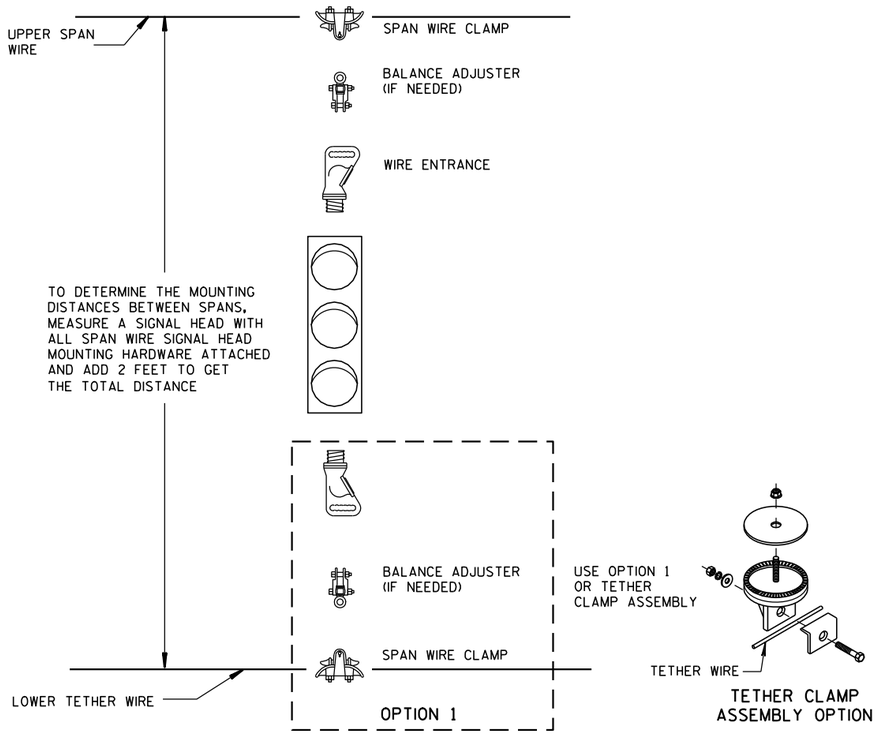
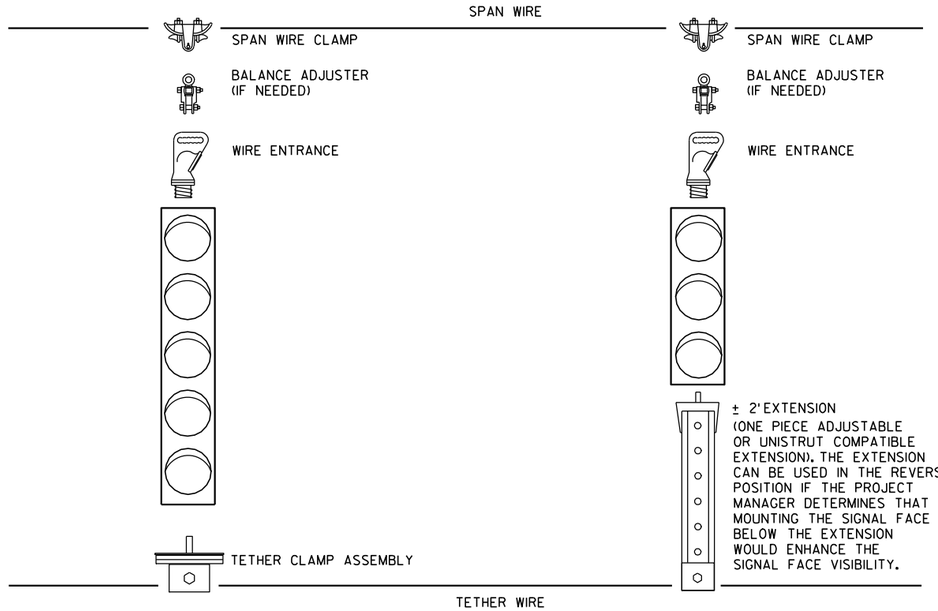


TYPICAL DROP TO TEMPORARY MOVEABLE SIGNAL



TETHER CLAMP ASSEMBLY OPTION

TYPICAL SPAN WIRE MOUNTING HARDWARE



5 SECTION VERTICAL WITH 3 SECTION VERTICAL ON ONE SPAN WIRE

SPAN WIRE
TEMPORARY TRAFFIC SIGNAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
7-14-08 DATE
/S/ Balu Aganthangarayanan
STATE ELECTRICAL ENGI 193 HWYS
FHWA

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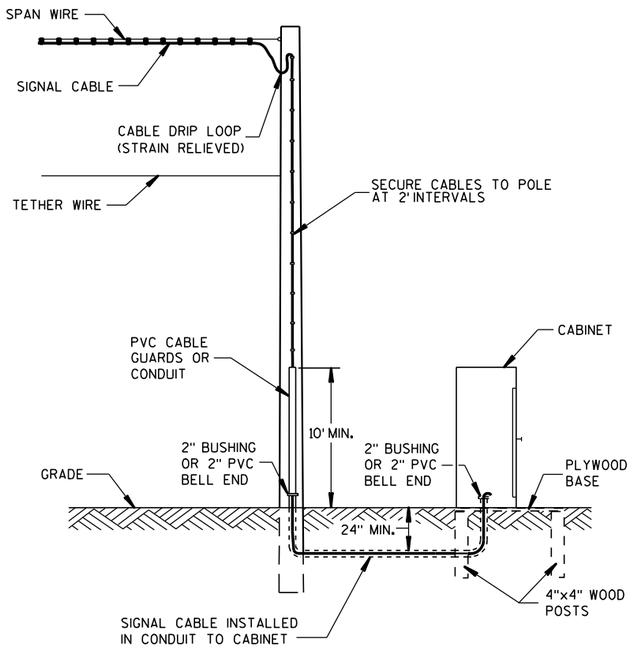
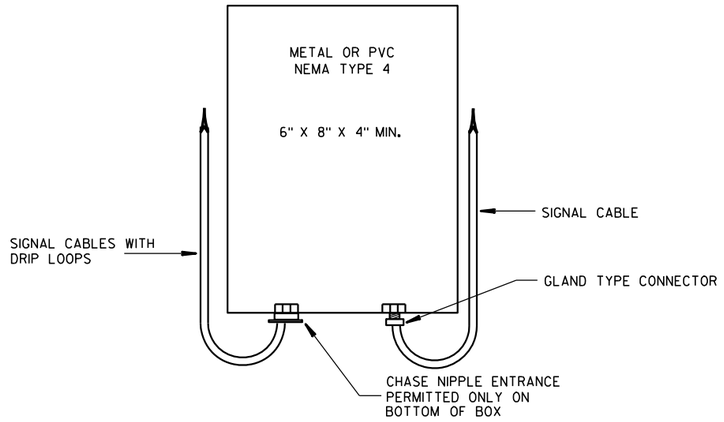
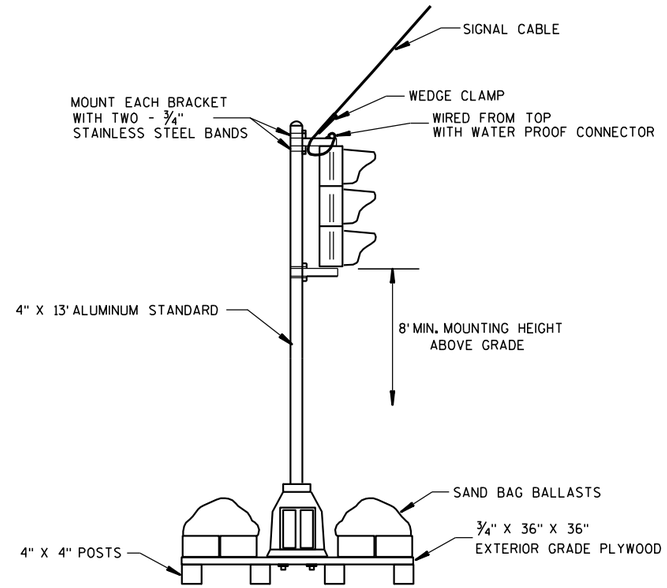
S.D.D. 9 G 1-3f

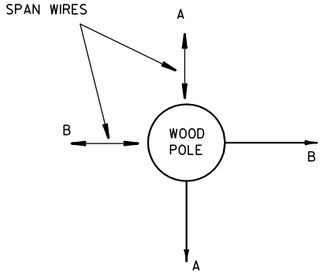




SPLICE BOX

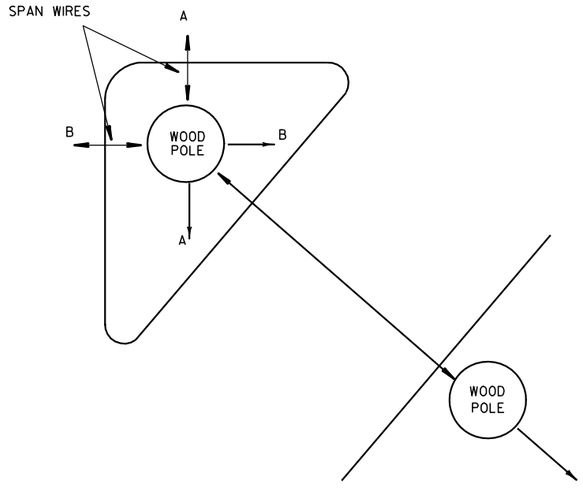


TYPICAL SKID TYPE TEMPORARY

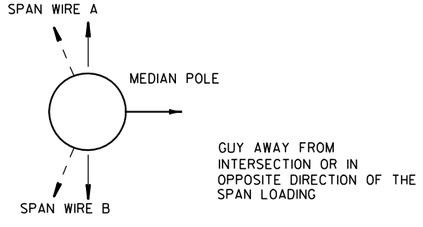


ALL DOWN OR SIDEWALK GUYS SHALL BE INSTALLED IN THE OPPOSITE DIRECTION OF THE STRAIN OF THE SPAN WIRE

CORNER POLES



ISLAND POLES



MEDIAN POLES

SPAN WIRE
TEMPORARY TRAFFIC SIGNAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

7-14-08 DATE

/S/ Balu Ananthanarayanan
STATE ELECTRICAL ENGI

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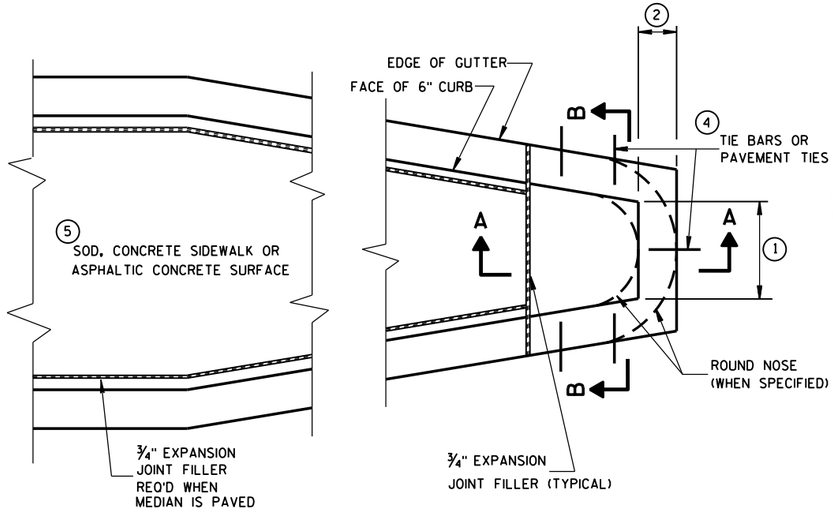
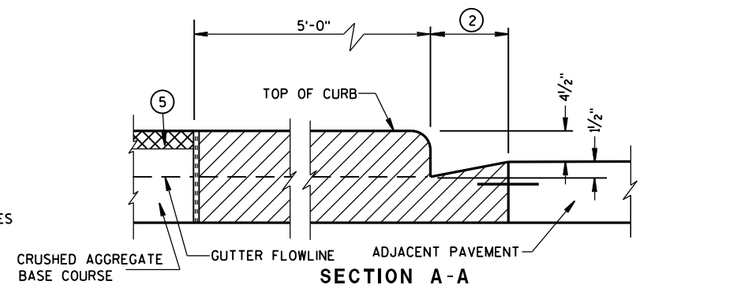
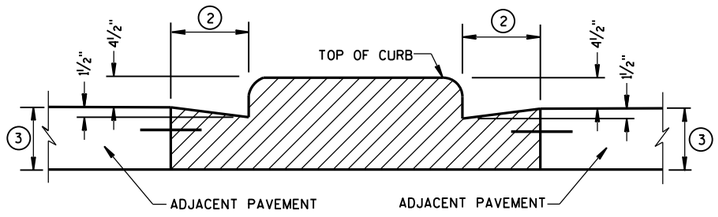






CONCRETE MEDIAN BLUNT NOSE DETAIL

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.

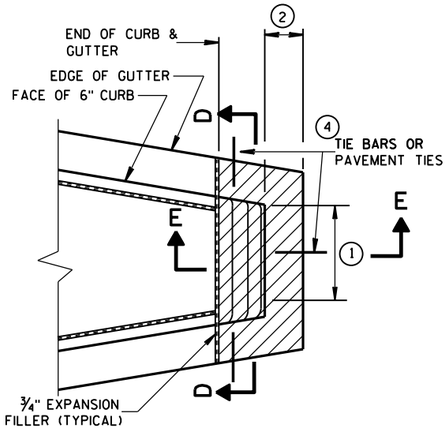
(2) ASPHALTIC CONCRETE PAVEMENT OVER NEW OR EXISTING CONCRETE BASE COURSE.

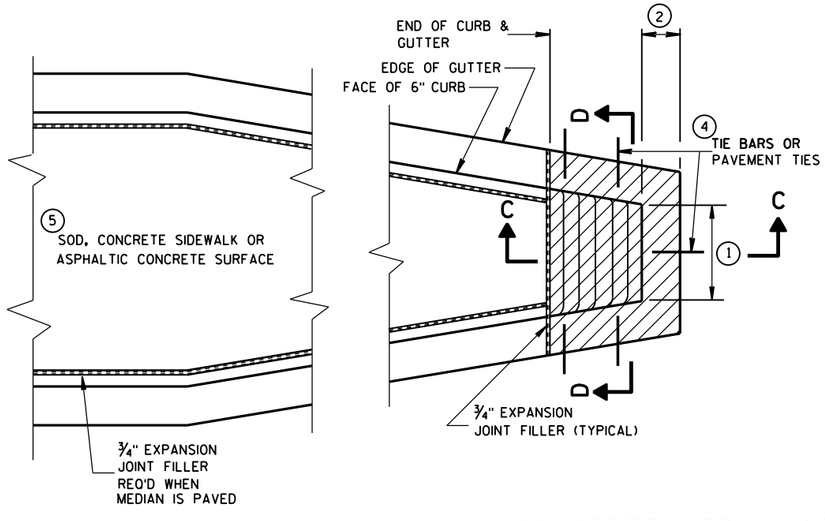
(3) ASPHALTIC CONCRETE PAVEMENT OVER CRUSHED AGGREGATE BASE COURSE.

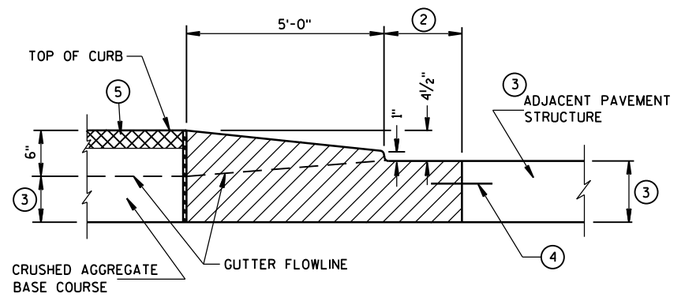
(4) TIE BARS OR PAVEMENT TIES REQUIRED IN NEW CONCRETE PAVEMENT OR CONCRETE BASE COURSE. TIE BARS SHALL BE NO. 4 X 2'-0" SPACED AT 2'-0" C-C.

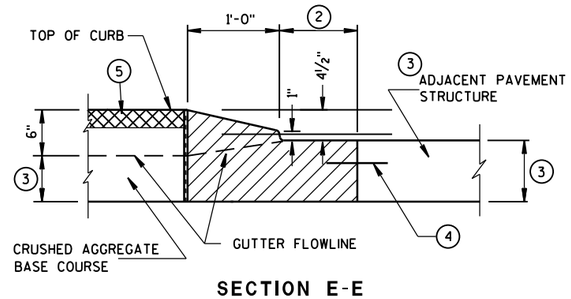
PAVEMENT TIES REQUIRED IN EXISTING CONCRETE BASE COURSE. PAVEMENT TIES SHALL BE NO. 6 X 1'-0" SPACED AT 3'-0" C-C INSTALLED ON A HORIZONTAL SKEW OF 6:1. THE DIRECTION OF SKEW SHALL ALTERNATE AFTER EVERY ONE OR TWO BARS.

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



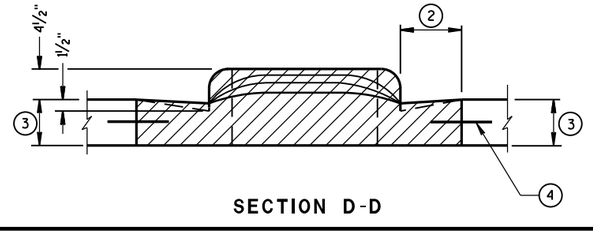






CONCRETE MEDIAN SLOPED NOSE TYPE 2

CONCRETE MEDIAN SLOPED NOSE TYPE 1



CONCRETE MEDIAN NOSE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
6/8/2006
DATE
/S/ Jerry H. Zogg
ROADWAY STANDARDS D ENGINEER
FHWA

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S.D.D. 11 B 2-2

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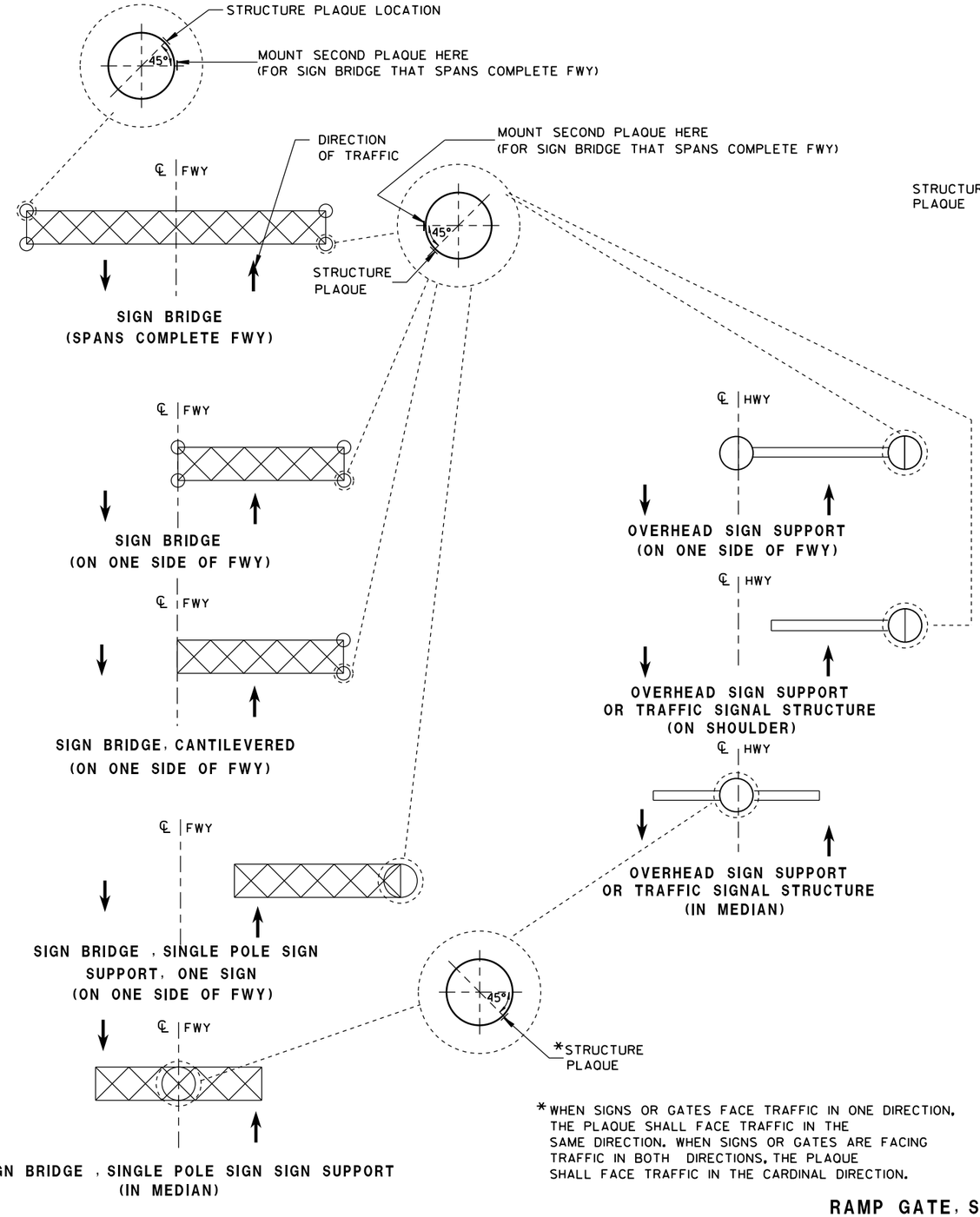
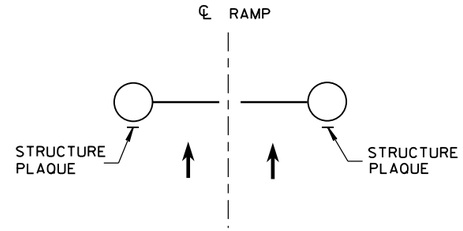
S.D.D. 11 B 2-2

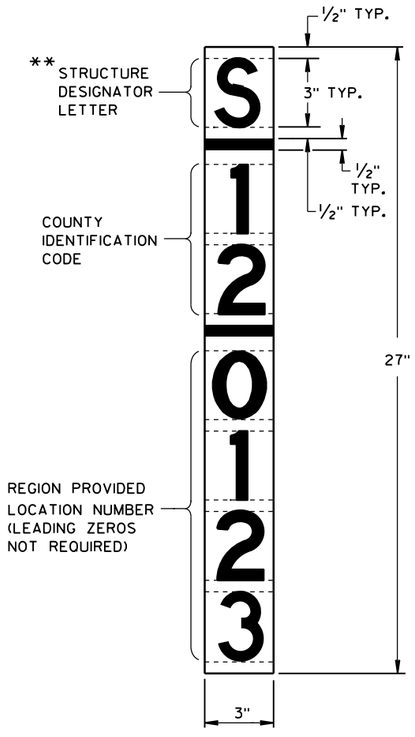


* WHEN SIGNS OR GATES FACE TRAFFIC IN ONE DIRECTION, THE PLAQUE SHALL FACE TRAFFIC IN THE SAME DIRECTION. WHEN SIGNS OR GATES ARE FACING TRAFFIC IN BOTH DIRECTIONS, THE PLAQUE SHALL FACE TRAFFIC IN THE CARDINAL DIRECTION.

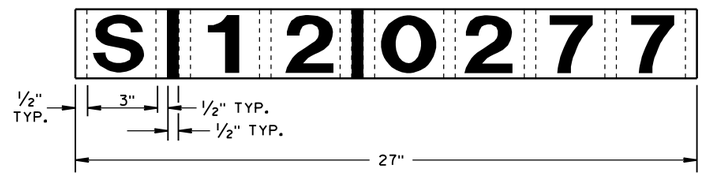
LOCATION OF RAMP GATE, SIGN BRIDGE, OVERHEAD SIGN SUPPORT & TRAFFIC SIGNAL STRUCTURE PLAQUES



**RAMP GATE
(ACROSS FWY ON-RAMP)**



** LETTER "G" UTILIZED FOR RAMP GATES. LETTER "S" UTILIZED FOR SIGN BRIDGES, OVERHEAD SIGN SUPPORTS, AND TRAFFIC SIGNALS.



IDENTIFICATION PLAQUE FOR SIGN BRIDGE, STRUCTURE MOUNTED

RAMP GATE, SIGN BRIDGE, OVERHEAD SIGN SUPPORT AND TRAFFIC SIGNAL STRUCTURE PLAQUE FOR SIGN BRIDGES AND OVERHEAD SIGN SUPPORT WHICH ARE NOT STRUCTURE MOUNTED

GENERAL NOTES

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

PLAQUES SHALL BE INCIDENTAL TO ALL NEW INSTALLATIONS.

IF THE PROPOSED SIGN BRIDGE OR OVERHEAD SIGN SUPPORT IS REPLACING AN EXISTING SIGN BRIDGE OR OVERHEAD SIGN SUPPORT, A NEW IDENTIFICATION PLAQUE WILL BE REQUIRED.

FASTEN TOP, CENTER AND BOTTOM OF PLAQUE TO POLE OR OTHER LOCATION AS FOLLOWS:

GALVANIZED STEEL SHAFT - 3 STAINLESS STEEL POP RIVETS

A588 STEEL SHAFT - SHIM FOR DRAINAGE WITH STAINLESS WASHERS; FASTEN WITH STAINLESS SELF-TAPPING SCREWS

ALUMINUM SHAFTS - 3 ALUMINUM POP RIVETS

MOUNTING HEIGHT SHALL BE APPROXIMATELY 5.0' ABOVE CURB OR SHOULDER. ADJUST IF IT IS KNOWN THAT REQUIRED TRAFFIC SIGNS WILL OBSTRUCT.

PLAQUE MATERIALS:

BASE - SHEET ALUMINUM, 0.060" THICK.

FACE - WHITE, SELF-ADHESIVE VINYL SHEETING, NON-RETROREFLECTIVE

LINES - BLACK, ½" WIDE, SELF-ADHESIVE

CHARACTERS:- BLACK, SELF ADHESIVE, SERIES "D", SIZE AS SHOWN.

FOR SIGN BRIDGES, STRUCTURE MOUNTED, THE STRUCTURE PLAQUE SHALL BE MOUNTED HORIZONTALLY AS SHOWN ON THE DRAWING. THE STRUCTURE PLAQUE SHALL BE MOUNTED HORIZONTALLY TO THE BACK OF THE SIGN, BETWEEN THE ALUMINUM EXTRUSIONS, NEAR THE TOP LEFT HAND CORNER OF THE SIGN. THE BASE MATERIAL SHALL BE OMITTED AND THE FACE ADHERED DIRECTLY TO THE ALUMINUM SURFACE. PRIOR TO ADHERING THE MATERIAL, THE ALUMINUM SURFACE SHALL BE SMOOTH, CLEAN AND DRY.

WHERE SIGN BRIDGE ILLUMINATION IS PROVIDED, THE STRUCTURE MUST ALSO HAVE A SIGN BRIDGE CIRCUIT PLAQUE AS SHOWN IN THE ELECTRICAL DETAILS.

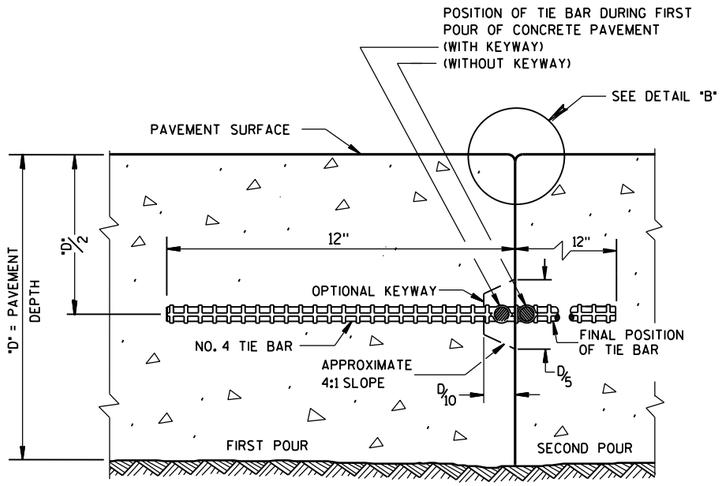
STRUCTURE IDENTIFICATION PLAQUES, RAMP GATES, SIGN BRIDGES, OVERHEAD SIGN SUPPORTS, & TRAFFIC SIGNALS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

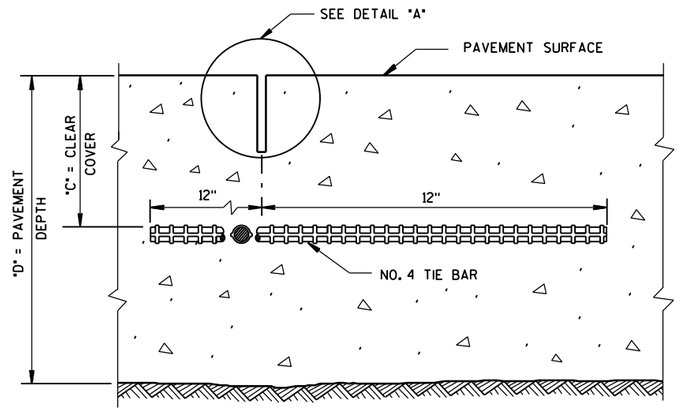
APPROVED
12/4/2012 — DATE
/S/ Travis Feltes — STATE TRAFFIC ENGINEER
FHWA

6

S.D.D. 12 A 4-3



CONSTRUCTION JOINT



SAWED JOINT

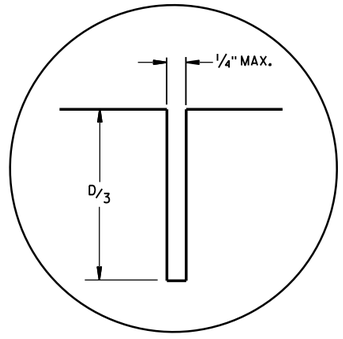
GENERAL NOTES

DO NOT SEAL OR FILL LONGITUDINAL JOINTS.

CREATE A LONGITUDINAL JOINT FOR PAVEMENT WIDTHS GREATER THAN 15 FEET.

CORRELATE LONGITUDINAL JOINTS WITH LANE LINES WHEN POSSIBLE.

(1) ANCHOR TIE BARS INTO DRILLED HOLES WITH AN EPOXY.



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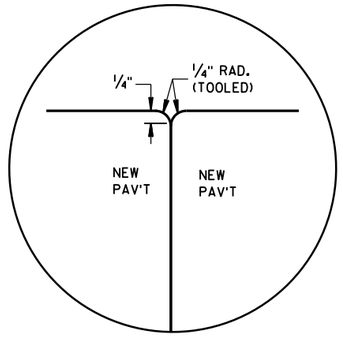

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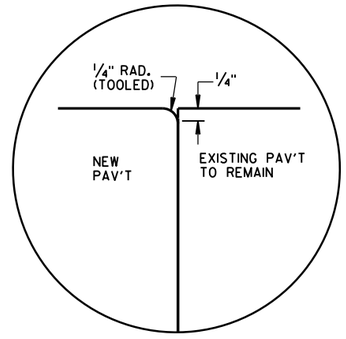
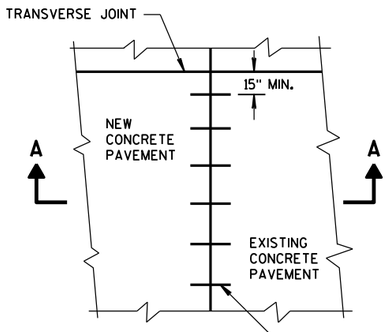
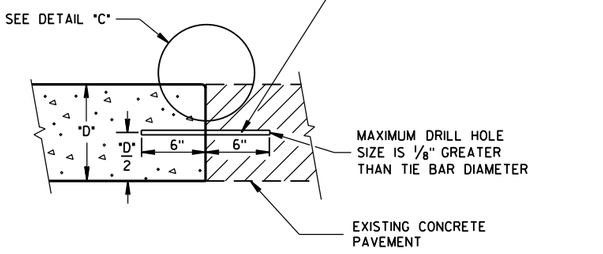


DETAIL "C"



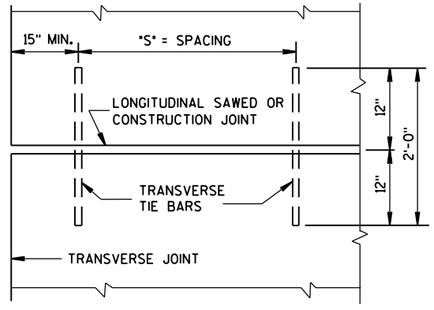
PLAN VIEW



SECTION A-A
LONGITUDINAL CONSTRUCTION JOINT TIE BARS ANCHORED INTO EXISTING PAVEMENT

TIE BAR TABLE

PAVEMENT DEPTH "D"	CLEAR COVER "C"	MAXIMUM TIE BAR SPACING "S"	
		PAVEMENT WIDTH	
		24' OR 26'	≥30'
6, 6 1/2"	3"±1/2"	48"	42"
7, 7 1/2"	3 1/4"±1"	45"	36"
8, 8 1/2"	3 3/4"±1"	39"	30"
9, 9 1/2"	4 1/4"±1"	33"	27"
10, 10 1/2"	4 3/4"±1"	30"	24"
11, 11 1/2"	5 1/4"±1"	27"	21"
12"	5 3/4"±1"	24"	21"



PLAN VIEW
SHOWING LOCATION OF TIE BARS

CONCRETE PAVEMENT LONGITUDINAL JOINTS AND TIES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

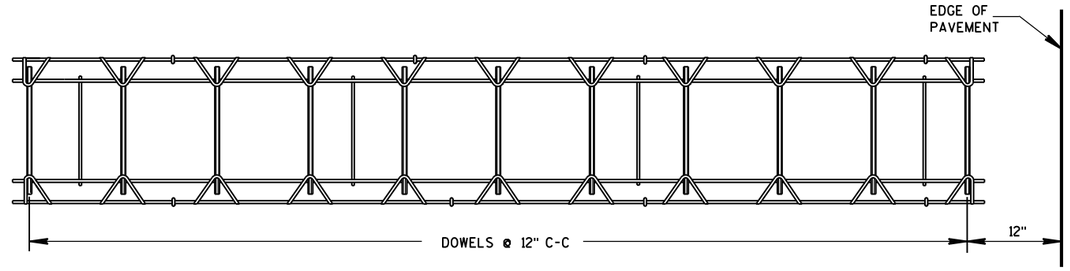
9/2014 DATE

/S/ Deb Bischoff
PAVEMENT POLICY & DE ENGINEER

FHWA

6

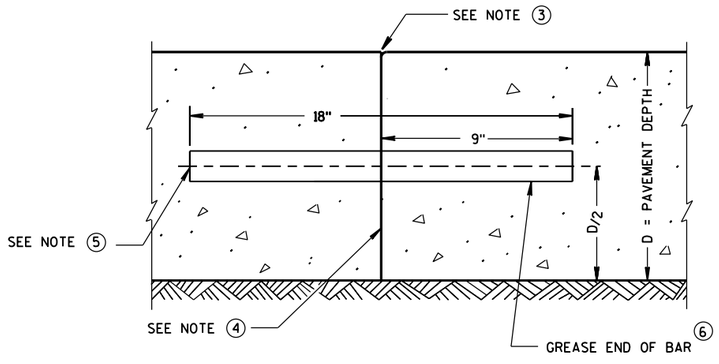
S.D.D. 13 C 1-17



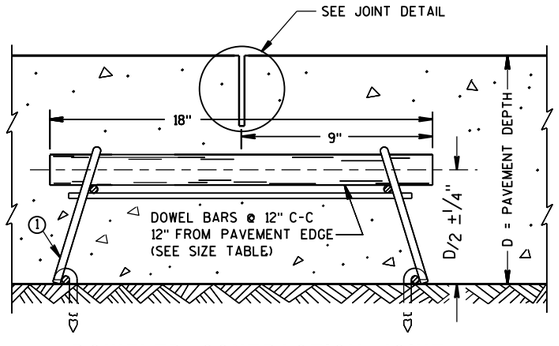
PLAN VIEW

SIDE VIEW

CONTRACTION JOINT DOWEL ASSEMBLY ①



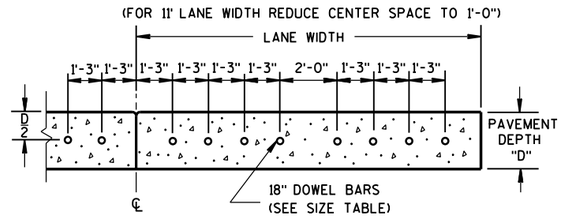
TRANSVERSE CONSTRUCTION JOINT



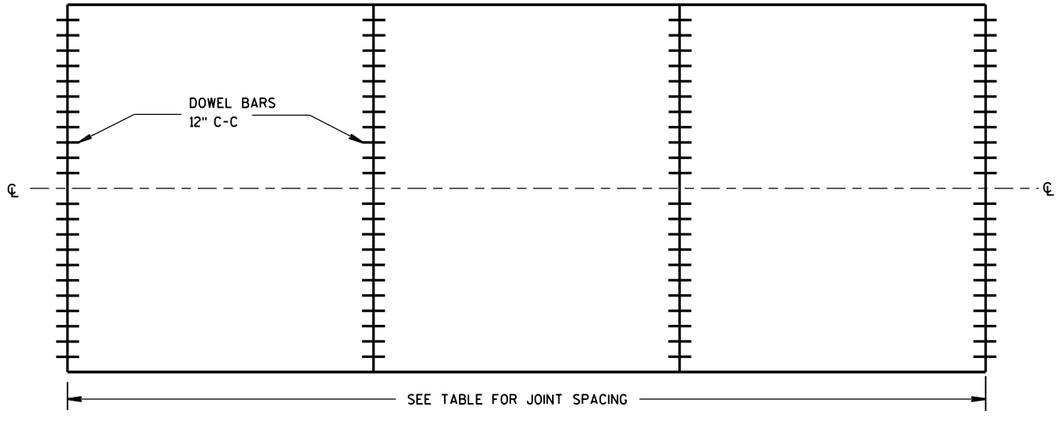
DOWELED CONTRACTION JOINT

PAVEMENT DEPTH, DOWEL BAR SIZE AND JOINT SPACING TABLE

PAVEMENT DEPTH (D)	DOWEL BAR DIAMETER	CONTRACTION JOINT SPACING
5 ½", 6", 6 ½"	NONE	12'
7", 7 ½"	1"	14'
8", 8 ½"	1 ¼"	15'
9", 9 ½"	1 ¼"	15'
10" & ABOVE	1 ½"	15'



DRILLED DOWEL BAR CONSTRUCTION JOINT ⑦



CONTRACTION JOINT LOCATIONS

GENERAL NOTES

CONTRACTION JOINTS

CONSTRUCT TRANSVERSE CONTRACTION JOINTS NORMAL TO THE CENTERLINE. SHOW THE LOCATION OF CONTRACTION JOINTS THROUGH INTERSECTIONS ON THE PLANS OR AS DIRECTED BY THE ENGINEER.

DO NOT SEAL OR FILL CONTRACTION JOINTS.

INSTALL DOWEL BARS PARALLEL TO THE PAVEMENT CENTERLINE AND PAVEMENT SURFACE.

FOR PAVEMENT SLABS OF VARYING WIDTHS, LOCATE THE OUTER MOST DOWEL BAR SO THAT THE CENTER OF THE BAR IS A MINIMUM OF 6 INCHES AND A MAXIMUM OF 18 INCHES FROM THE LONGITUDINAL JOINT AND THE FREE EDGE OF PAVEMENT.

CONSTRUCTION JOINTS

LOCATE CONSTRUCTION JOINTS A MINIMUM OF 6 FEET FROM THE NEAREST CONTRACTION JOINT AND ALIGN PARALLEL TO CONTRACTION JOINTS.

① **OBTAIN THE ENGINEER'S APPROVAL FOR THE USE OF ALTERNATIVE DESIGNS OF THE DOWEL ASSEMBLY. USE MECHANICAL DOWEL BAR INSERTERS OR DOWEL ASSEMBLIES WHEN CONSTRUCTING CONTRACTION JOINTS.**

② SECURE BASKETS WITH ANCHORS TO HOLD DOWEL BARS IN THE CORRECT POSITION AND ALIGNMENT. TYPE, LOCATION, NUMBER AND LENGTH OF ANCHORS ARE DEPENDENT UPON FIELD CONDITIONS.

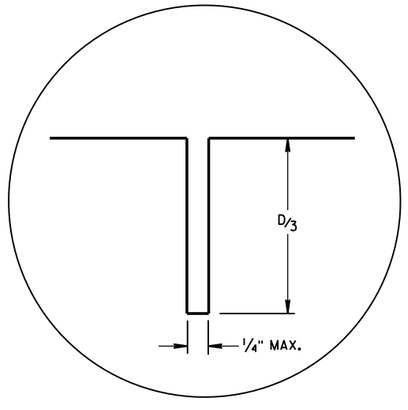
③ FORM OR SAW CONSTRUCTION JOINTS. PROVIDE A ¼-INCH RADIUS AT FORMED JOINTS.

④ PROVIDE A SMOOTH VERTICAL FACE FOR THE ENTIRE DEPTH OF THE PAVEMENT WHEN FORMING CONSTRUCTION JOINTS.

⑤ INSTALL DOWEL BARS AT CONSTRUCTION JOINTS BY FORMING OR DRILLING. INSTALL FORMED DOWEL BARS 12 INCHES C-C AND 12 INCHES FROM PAVEMENT EDGE. REMOVE EXCESS CONCRETE FROM THE FREE END OF THE DOWEL BAR IF DOWEL BARS ARE FORMED THROUGH A HEADER BOARD. INSTALL DRILLED DOWEL BARS ACCORDING TO *DRILLED DOWEL BAR CONSTRUCTION JOINT* DETAIL.

⑥ APPLY A THIN UNIFORM COATING OF SURFACE TREATMENT TO THE FREE END OF DOWEL BARS TO PREVENT BONDING.

⑦ ANCHOR DOWEL BARS INTO DRILLED HOLES WITH AN EPOXY. MAXIMUM DRILLED HOLE SIZE IS ⅛-INCH GREATER THAN DOWEL BAR DIAMETER, 9 INCHES IN LENGTH.



JOINT DETAIL

URBAN DOWELED CONCRETE PAVEMENT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
5/3/2013 DATE
/S/ Deb Bischoff
PAVEMENT POLICY & DE ENGINEER
FHWA

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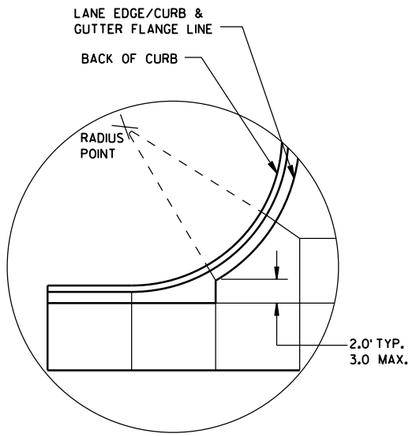
S.D.D. 13 C 13-8



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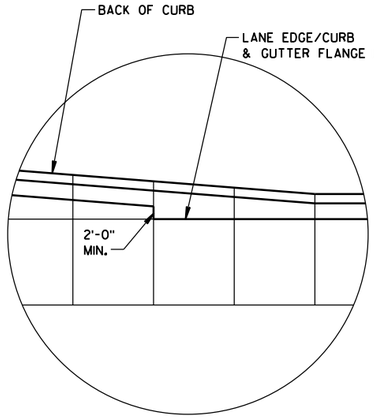

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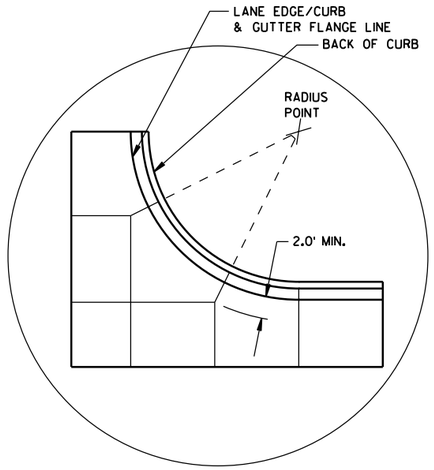

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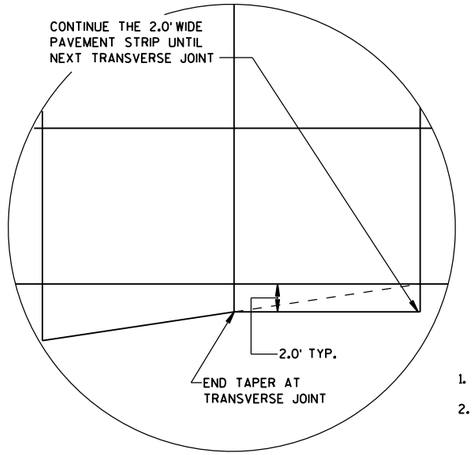


DETAIL "D"

GENERAL NOTES

THE PRIMARY ROADWAY CONTROLS THE TRANSVERSE JOINT PATTERN.

ALIGN NEW JOINTS WITH EXISTING JOINTS OR CRACKS.

CONSTRUCT TRANSVERSE JOINTS PERPENDICULAR TO THE ROADWAY.

ADJUST TRANSVERSE JOINTS TO ALIGN WITH UTILITY FIXTURES (E.G. MANHOLES AND INLETS) IN THE PAVEMENT STRUCTURE WHEN POSSIBLE. WATER VALVES DO NOT REQUIRE JOINT ADJUSTMENT.

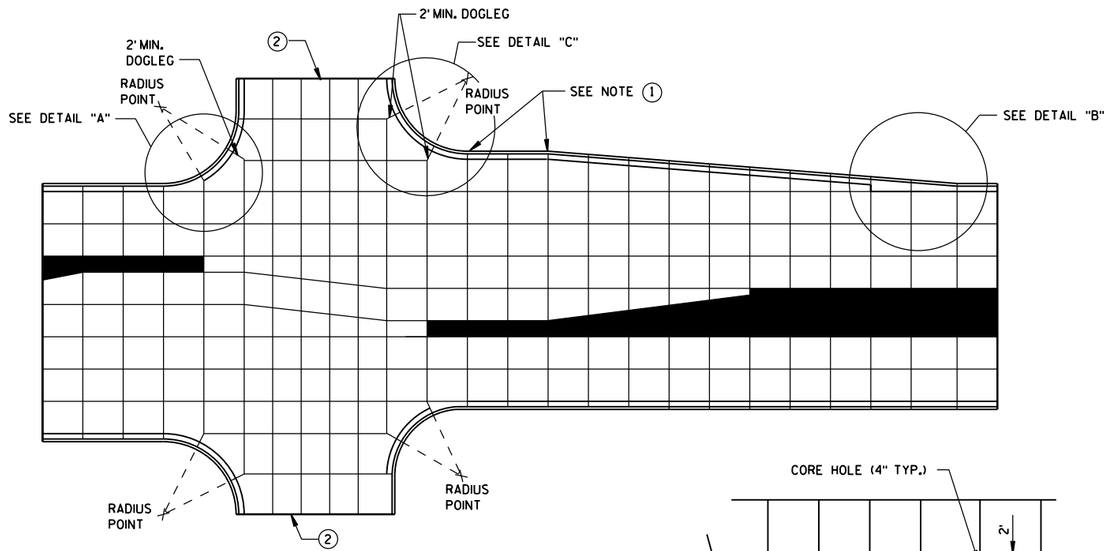
AVOID SLABS LESS THAN 2 FEET WIDE OR GREATER THAN 15 FEET WIDE.

SEE TABLE FOR TRANSVERSE JOINT SPACING. JOINT SPACING SPECIFIED IS MAXIMUM AND ACTUAL SPACING CAN BE ADJUSTED TO ACCOMMODATE INTERSECTIONS.

AVOID ANGLES LESS THAN 60° BY DOGLEGGING JOINTS THROUGH CURVE RADIUS POINTS. USE 90° ANGLES WHEN POSSIBLE.

CORRELATE LONGITUDINAL JOINTS WITH LANE LINES WHEN POSSIBLE.

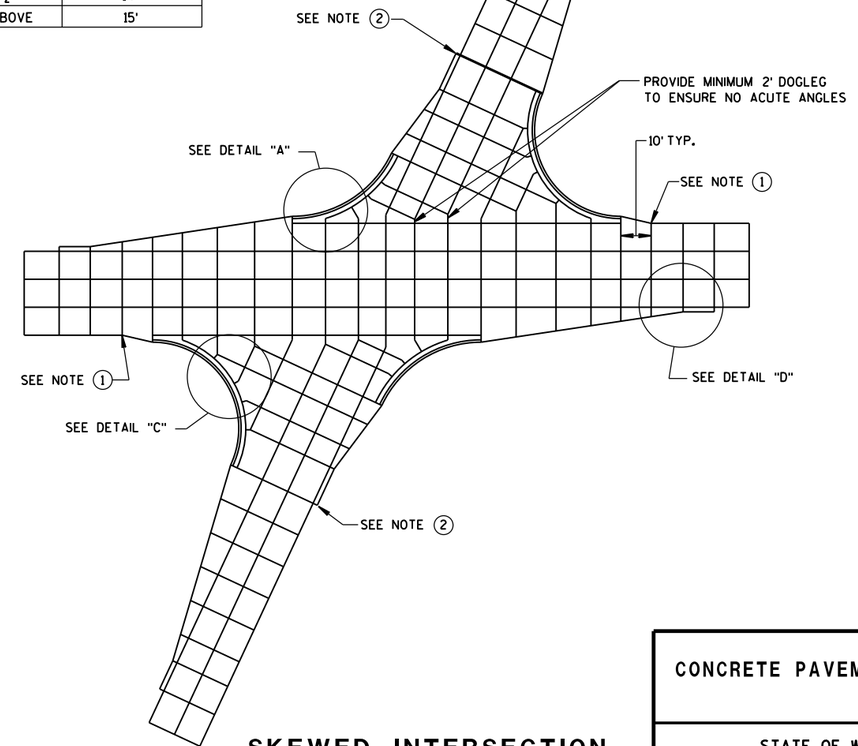
1. PROVIDE TRANSVERSE JOINTS AT ALL PAVEMENT WIDTH CHANGES.
2. CONSTRUCT DOWELED EXPANSION JOINT ON THE SIDE ROAD OF AN INTERSECTION IF THE SIDE ROAD IS CONCRETE PAVEMENT AND GREATER THAN 300 FEET IN LENGTH. ALIGN EXPANSION JOINT WITH EDGE OF RADIUS.
3. THE ENGINEER MAY APPROVE SLIGHT VARIATIONS FROM THESE JOINTING DETAILS.



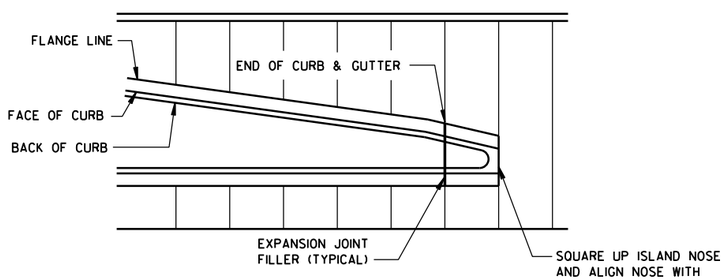
STANDARD INTERSECTION

PAVEMENT DEPTH AND JOINT SPACING TABLE

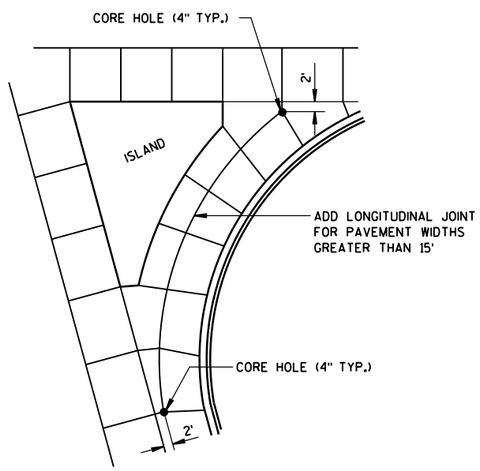
PAVEMENT DEPTH (D)	CONTRACTION JOINT SPACING
6", 6½"	12'
7", 7½"	14'
8" & ABOVE	15'



SKEWED INTERSECTION



APPROACH TO MEDIAN



LARGE RIGHT TURN

CONCRETE PAVEMENT JOINTING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR

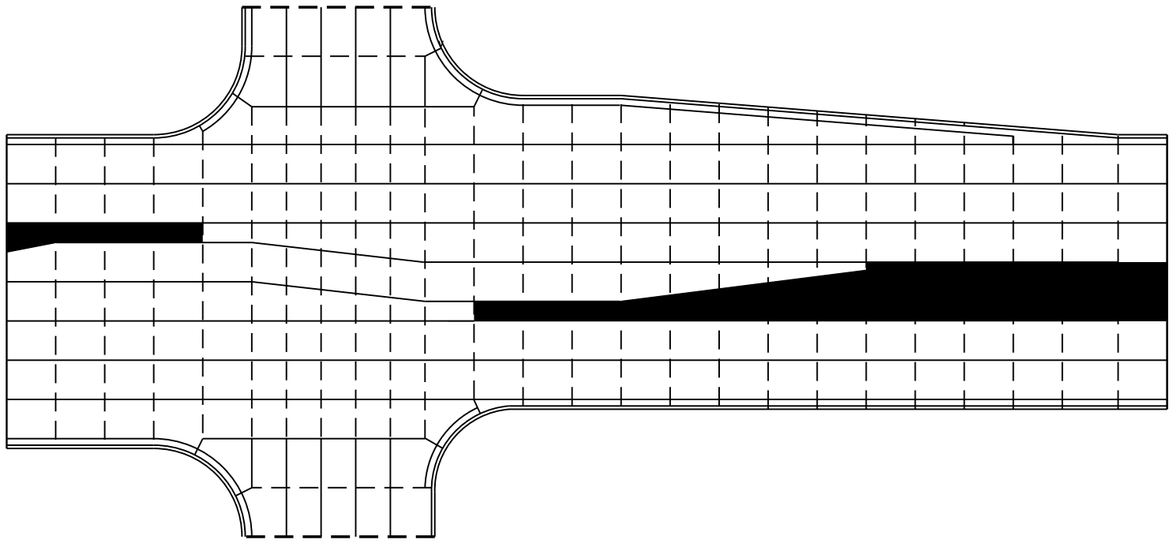
6
S.D.D. 13 C 18-2a

LEGEND

POTENTIAL DOWELED EXPANSION JOINT

DOWELED JOINT

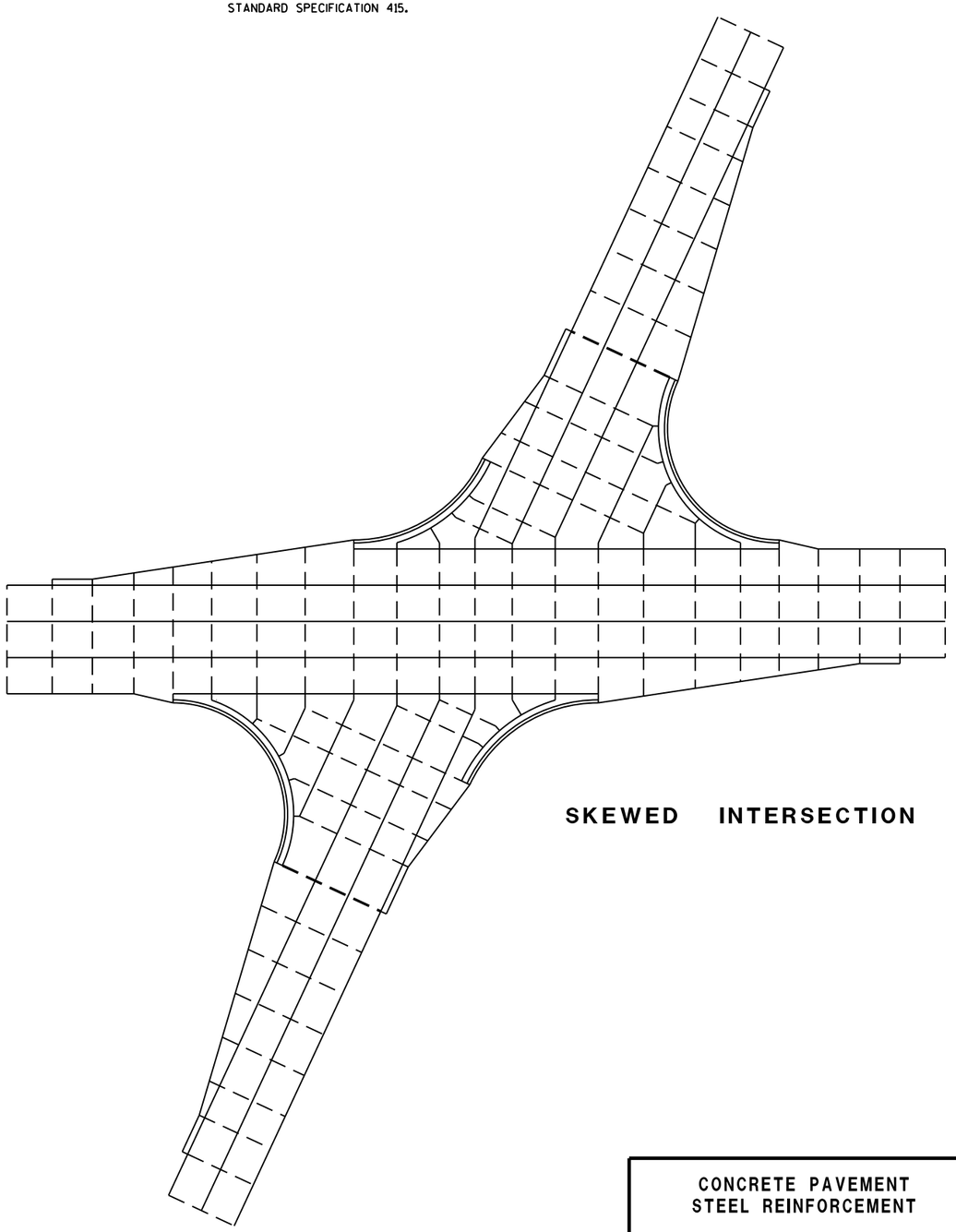
TIED JOINT



STANDARD INTERSECTION

GENERAL NOTES

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



SKEWED INTERSECTION

CONCRETE PAVEMENT
STEEL REINFORCEMENT

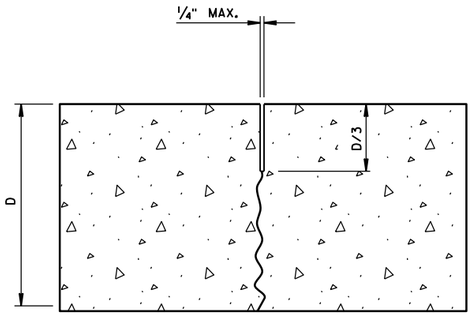
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR

6

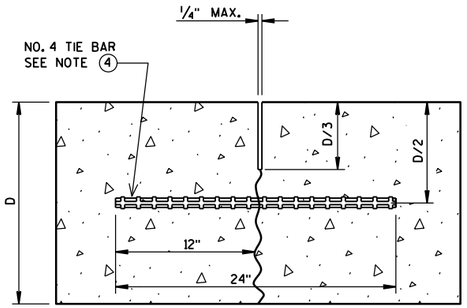
S.D.D. 13 C 18-2b

6

S.D.D. 13 C 18-2b



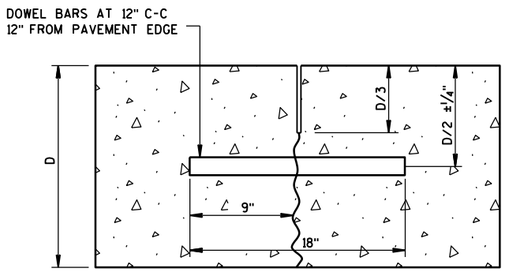
UNDOWELED-TRANSVERSE



TIED LONGITUDINAL

GENERAL NOTES

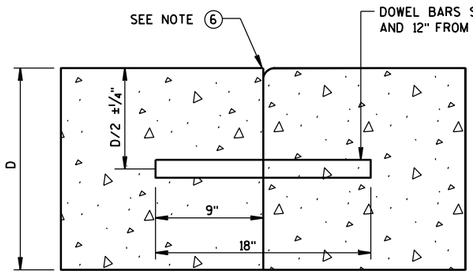
1. USE DOWELED EXPANSION JOINTS ON SIDE ROADS AT INTERSECTIONS (TO ISOLATE THE SIDE ROAD FROM THE THROUGH STREET) IF THE SIDE ROAD IS CONCRETE PAVEMENT AND GREATER THAN 300 FEET IN LENGTH.
2. SPACE CONTRACTION JOINTS IN ACCORDANCE WITH 13C4, 13C11 OR 13C13.
3. LOCATE CONSTRUCTION JOINTS A MINIMUM OF 6 FEET FROM THE NEAREST CONTRACTION JOINT AND ALIGN PARALLEL TO 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.



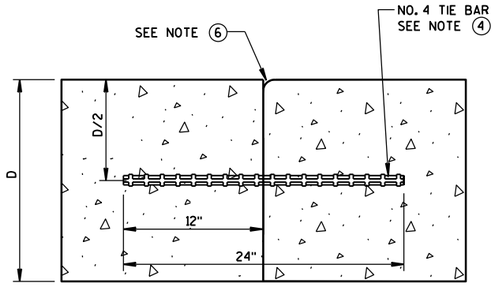
DOWELED-TRANSVERSE

CONTRACTION JOINTS

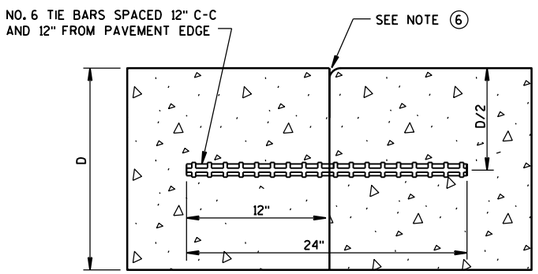
SEE NOTE (2)



DOWELED TRANSVERSE

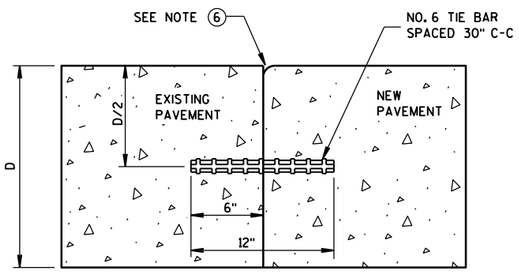


TIED LONGITUDINAL



TIED TRANSVERSE

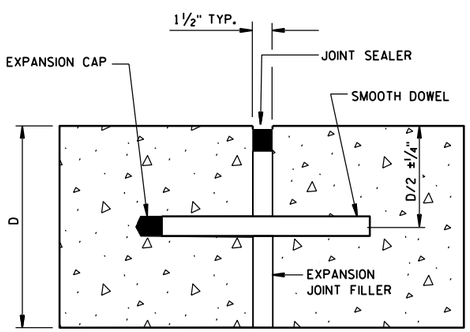
(FOR USE ON NON-DOWELED PAVEMENTS ONLY)



TIED LONGITUDINAL TO EXISTING

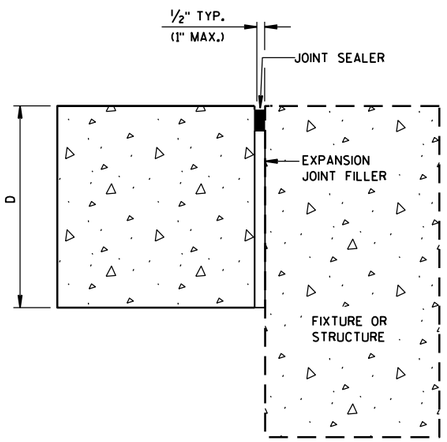
CONSTRUCTION JOINTS

SEE NOTE (5)



DOWELED-TRANSVERSE

SEE NOTE (1)



UNTIED-LONGITUDINAL

EXPANSION JOINTS

CONCRETE PAVEMENT
JOINT TYPES

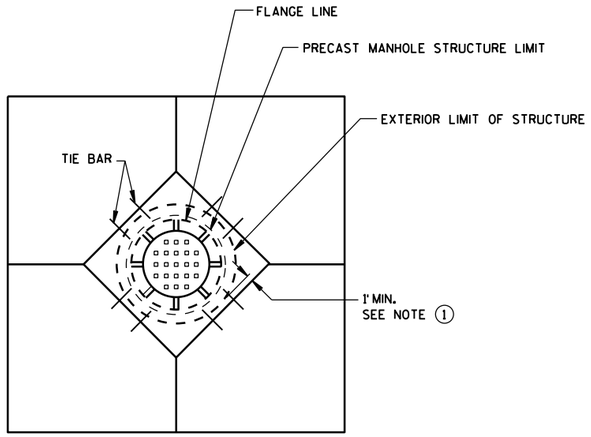
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

6

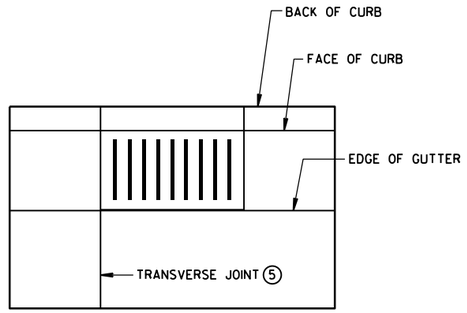
S.D.D. 13 C 18-2c

6

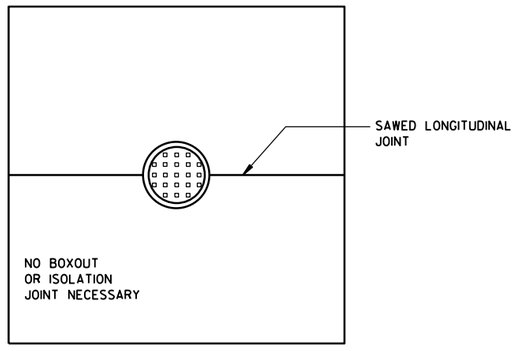
S.D.D. 13 C 18-2c



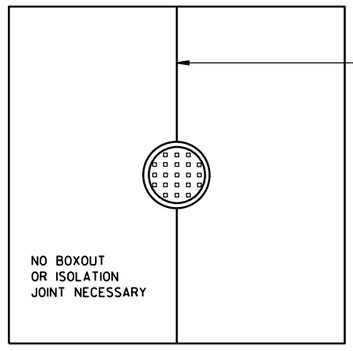
DIAGONAL MANHOLE BOXOUT FOR CONSTRUCTION JOINTS



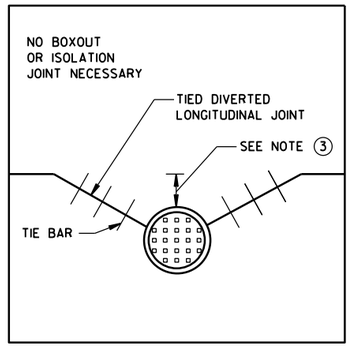
INLET WITH TRANSVERSE JOINT



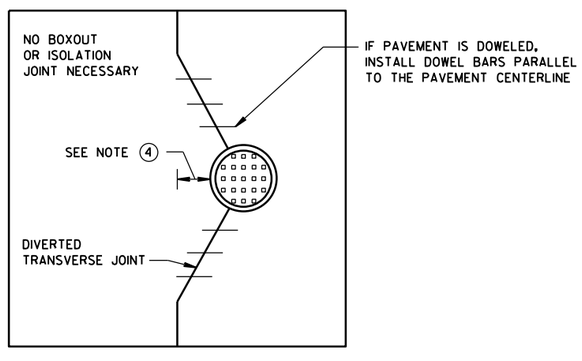
MANHOLE WITH LONGITUDINAL JOINT



MANHOLE WITH TRANSVERSE JOINT



MANHOLE WITH DIVERTED LONGITUDINAL CONTRACTION JOINT



MANHOLE WITH DIVERTED TRANSVERSE CONTRACTION JOINT

GENERAL NOTES

(1) USE BOXOUTS WHEN UTILITY STRUCTURE IS IN THE PATH OF CONSTRUCTION JOINTS. PROVIDE A 1-FOOT MINIMUM CLEARANCE BETWEEN THE EXTERIOR LIMIT OF THE STRUCTURE TO THE DIAMOND BOXOUT.

(2) ADJUST TRANSVERSE JOINT TO INTERSECT MANHOLE IF POSSIBLE.

(3) IF DISTANCE BETWEEN THE LONGITUDINAL JOINT AND THE EDGE OF MANHOLE IS 2 FEET OR LESS, DIVERT THE LONGITUDIAL JOINT AT A 2:1 TAPER RATE TO THE CENTER OF THE MANHOLE. IF THE DISTANCE IS GREATER THAN 2 FEET, DO NOT DIVERT THE JOINT AND SAW AS NORMAL. PLACE REBAR REINFORCEMENT AROUND THE MANHOLE.

(4) IF DISTANCE FROM THE EDGE OF THE MANHOLE TO THE NEAREST TRANSVERSE JOINT IS 4 FEET OR LESS, REDIRECT JOINT TO INTERSECT THE CENTER OF THE MANHOLE. IF DISTANCE IS GREATER THAN 4 FEET, DO NOT DIVERT THE JOINT AND SAW AS NORMAL. PLACE REBAR REINFORCEMENT AROUND THE MANHOLE.

(5) ALIGN TRANSVERSE JOINT WITH ONE EDGE OF INLET WHEN PRACTICAL.

CONCRETE PAVEMENT JOINTING AT UTILITY FIXTURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

5-3-2013 — DATE

/S/ Deb Bischoff — PAVEMENT POLICY & DE

NEER

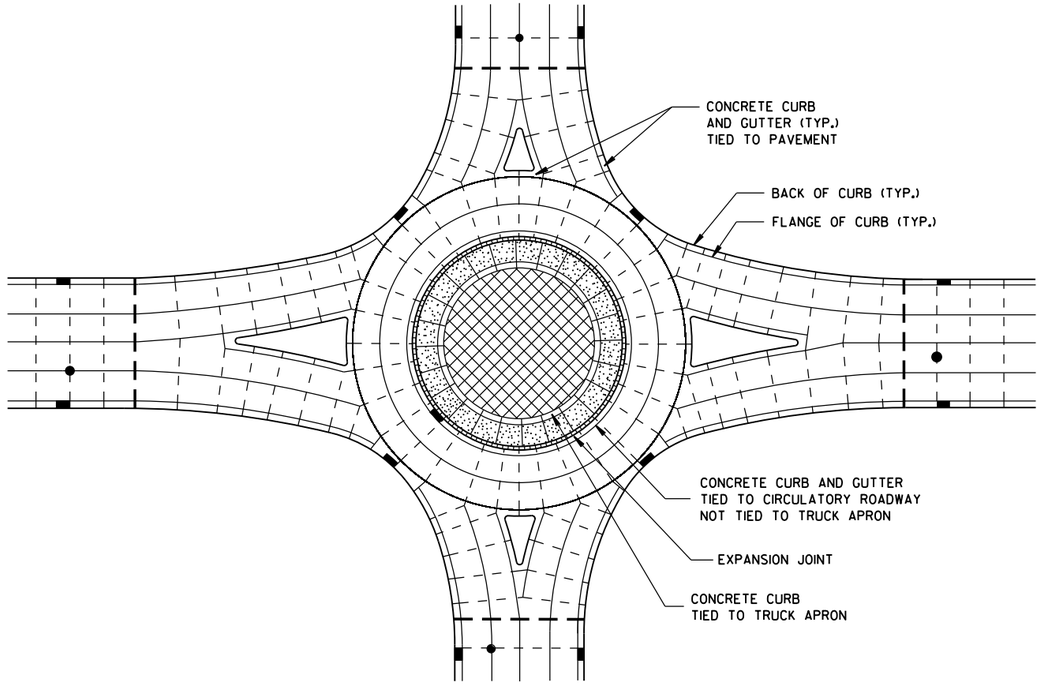
FHWA

6

S.D.D. 13 C 18-2d

LEGEND

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



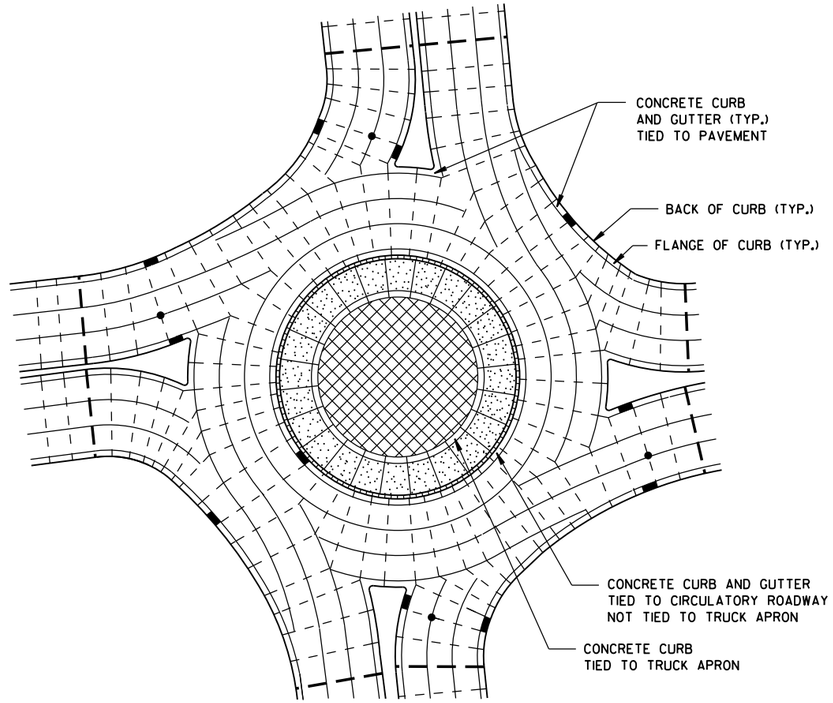
ISOLATED CIRCLE JOINT LAYOUT FOR ROUNDABOUTS

GENERAL NOTES

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

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

DO NOT DOWEL OR TIE THE TRUCK APRON TRANSVERSE JOINTS.

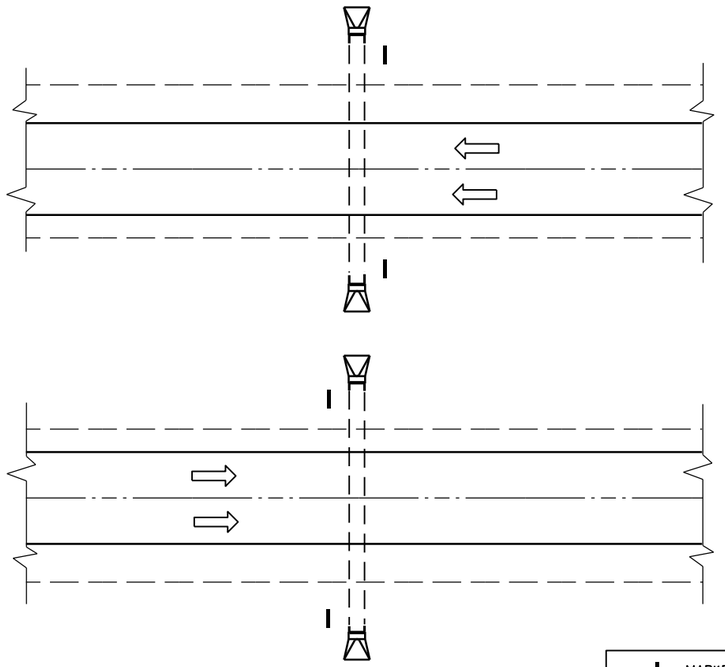


PINWHEEL JOINT LAYOUT FOR ROUNDABOUTS

CONCRETE PAVEMENT JOINTING AND STEEL REINFORCEMENT IN ROUNDABOUTS	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED	
5-3-2013 DATE	/S/ Deb Bischoff PAVEMENT POLICY & DE ENGINEER
FHWA	

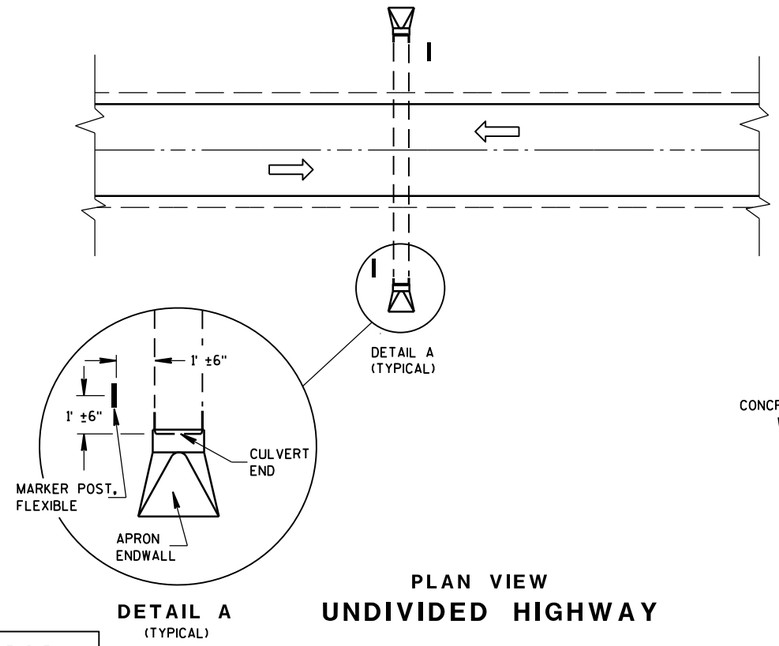
6

S.D.D. 13 C 18-2e



PLAN VIEW

DIVIDED HIGHWAY



DETAIL A
(TYPICAL)

PLAN VIEW

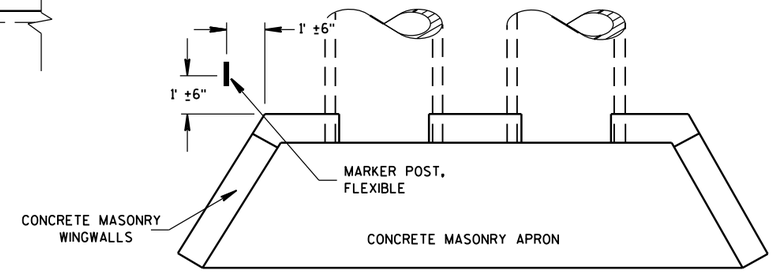
UNDIVIDED HIGHWAY

MARKER POST, FLEXIBLE

DIRECTION OF TRAFFIC FLOW

GENERAL NOTES

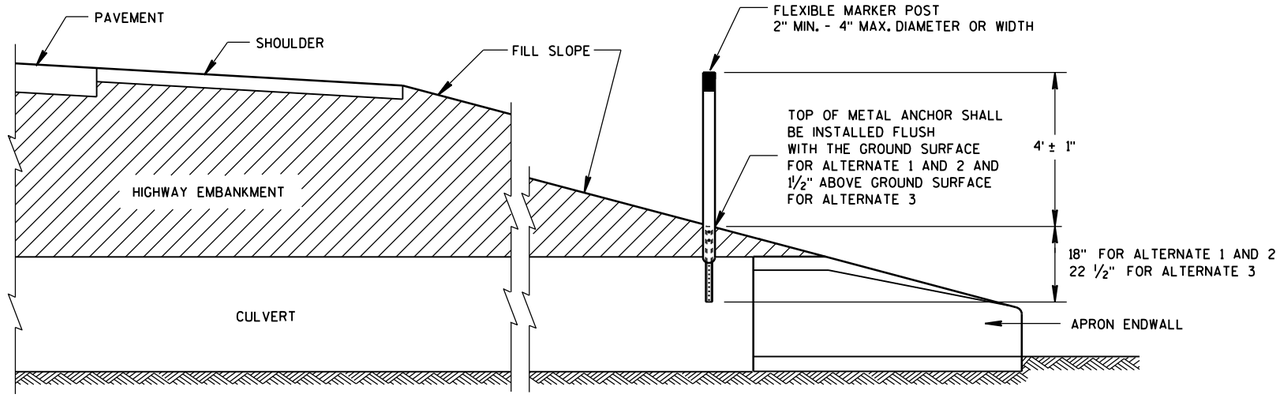
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.



PLAN VIEW

CONCRETE MASONRY ENDWALLS FOR CULVERT PIPE AND PIPE ARCH

FLEXIBLE MARKER POST LOCATION



CROSS SECTION

FLEXIBLE MARKER POST

FLEXIBLE MARKER POST
FOR CULVERT END

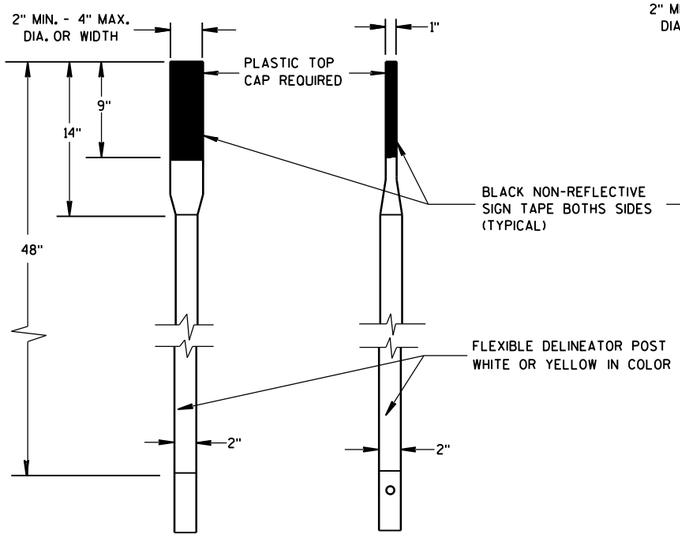
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

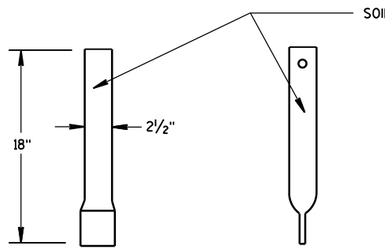
6

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

6

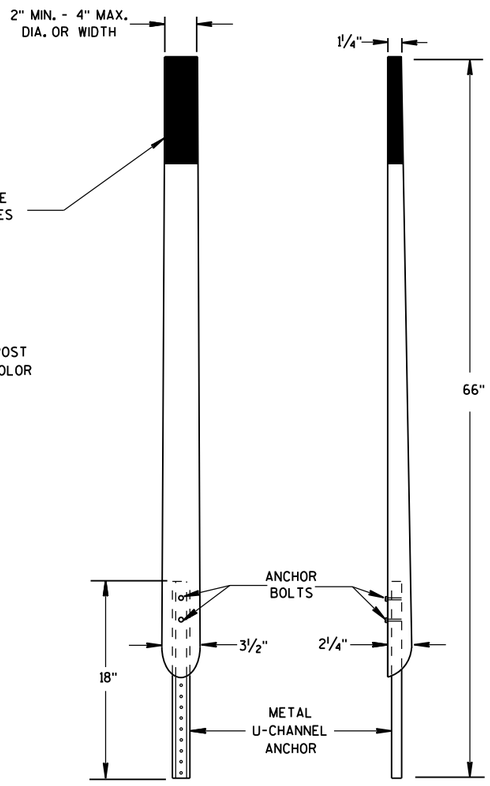
S.D.D. 15 A 3-2a





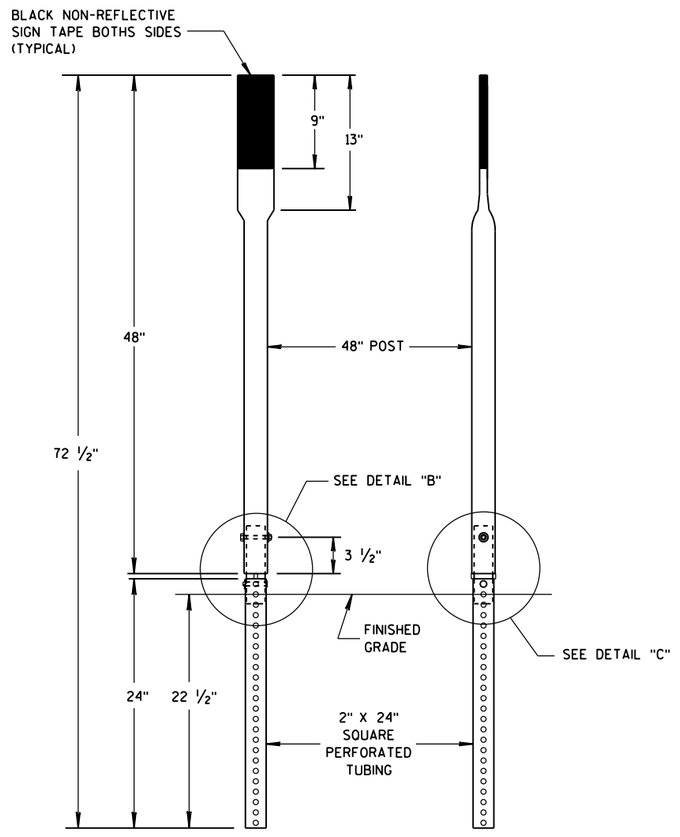
FRONT VIEW SIDE VIEW

ALTERNATE 1



FRONT VIEW SIDE VIEW

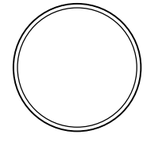
ALTERNATE 2



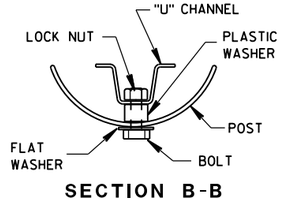
FRONT VIEW SIDE VIEW

ALTERNATE 3

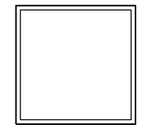
FLEXIBLE MARKER POSTS



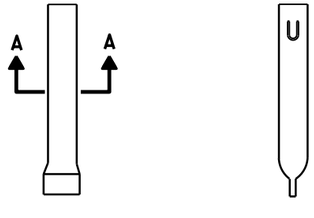
SECTION A-A



SECTION B-B

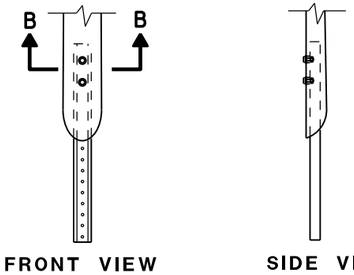


SECTION C-C



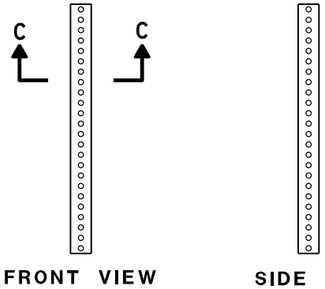
FRONT VIEW SIDE VIEW

ALTERNATE 1



FRONT VIEW SIDE VIEW

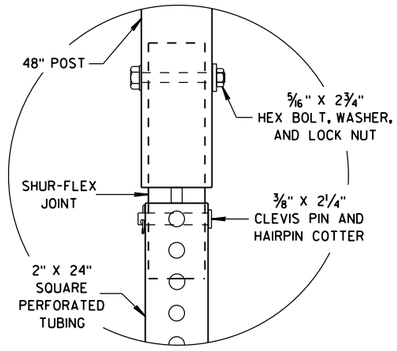
ALTERNATE 2



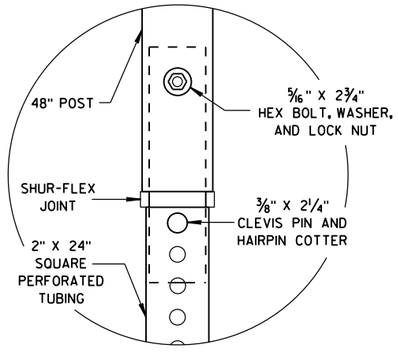
FRONT VIEW SIDE VIEW

ALTERNATE 3

FLEXIBLE MARKER POST ANCHORS



DETAIL B



DETAIL C

FLEXIBLE MARKER POST
FOR CULVERT END

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

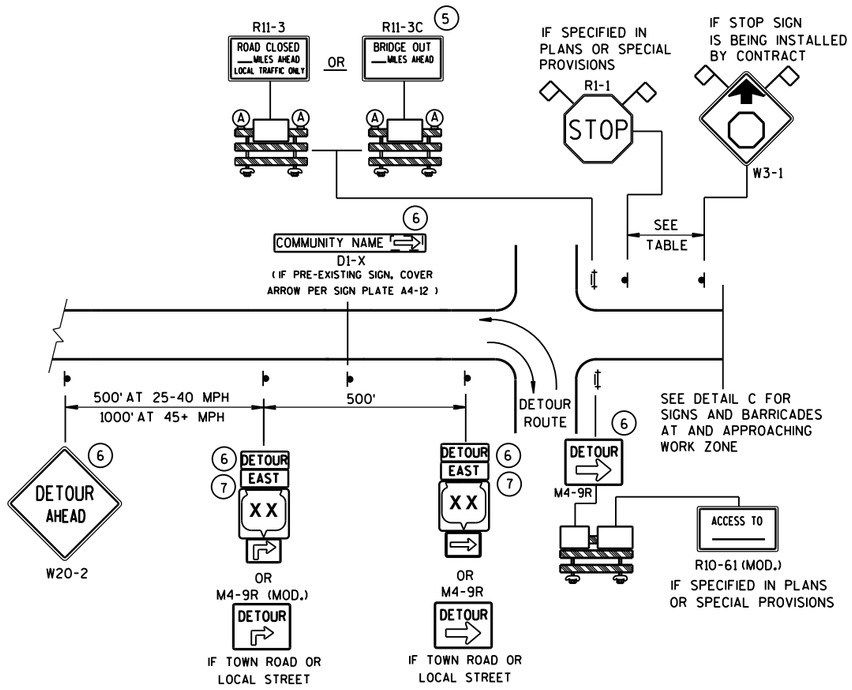
APPROVED
10/1/2012
DATE
/S/ Travis Feltes
STATE TRAFFIC ENGINEER
FHWA

6

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

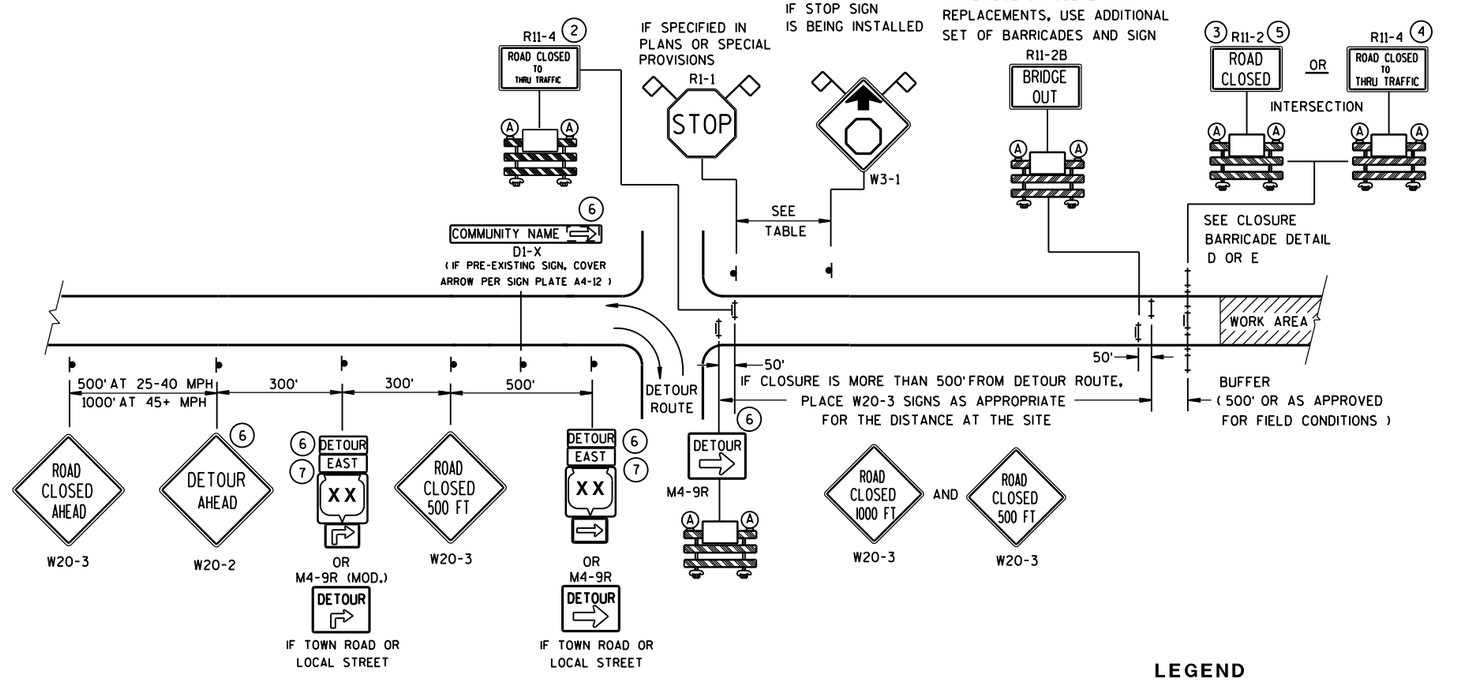
6

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



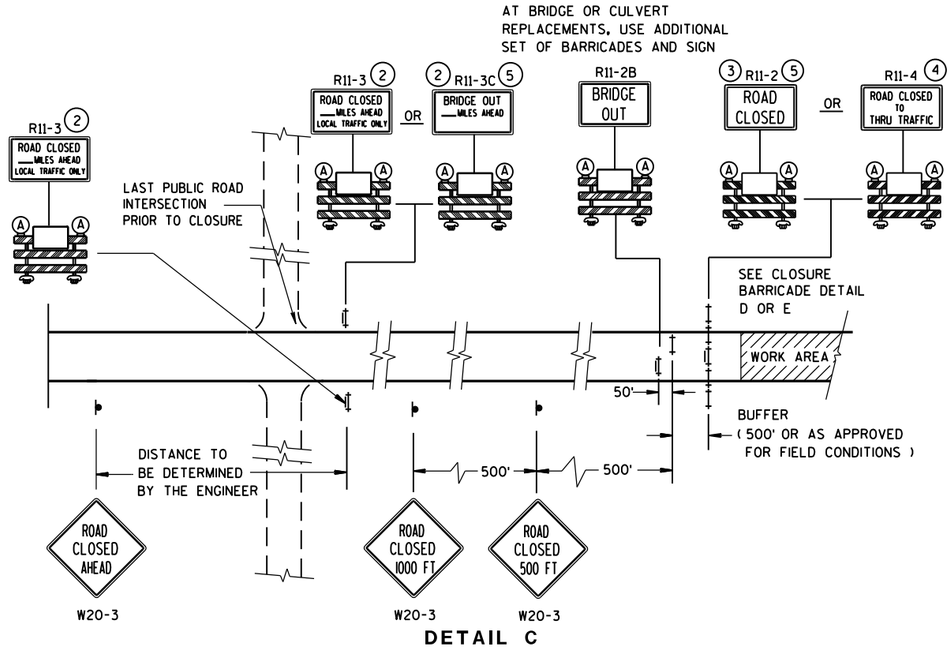
DETAIL A
MAINLINE CLOSURE WITH POSTED DETOUR

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



DETAIL B
MAINLINE CLOSURE WITH POSTED DETOUR

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



DETAIL C
MAINLINE CLOSURE, NO POSTED DETOUR

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

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

LEGEND

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

BARRICADES AND SIGNS FOR MAINLINE CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

8/2013 DATE

/S/ Travis Feltes
STATE TRAFFIC ENGINEER

206

FHWA

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S.D.D. 15 C 2-5a

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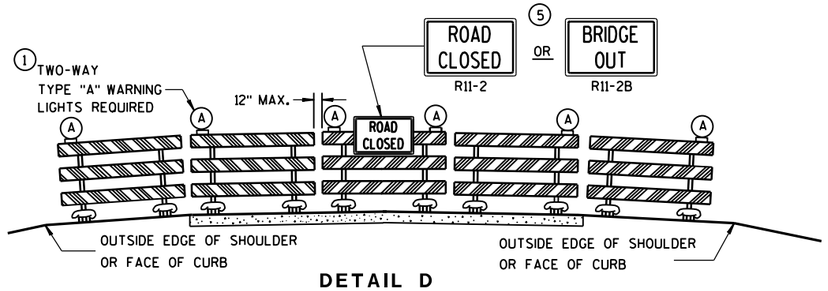
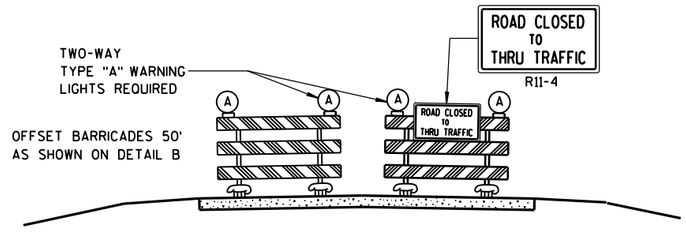
S.D.D. 15 C 2-5a



DETAIL D

ROAD CLOSURE BARRICADE DETAIL

APPROACH VIEW



DETAIL E

LANE CLOSURE BARRICADE DETAIL

APPROACH VIEW

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

GENERAL NOTES

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

BARRICADES AND SIGNS FOR MAINLINE CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

8/2013 — DATE

/S/ Travis Feltes — STATE TRAFFIC ENGINEER

FHWA

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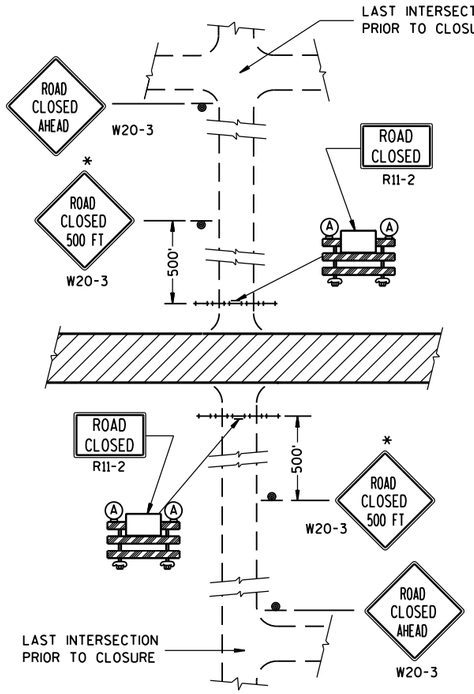
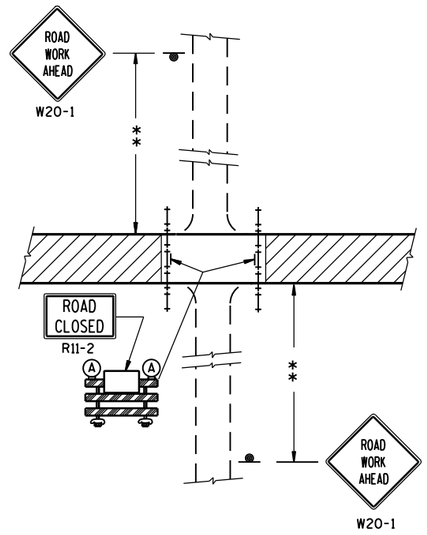
S.D.D. 15 C 2-5b



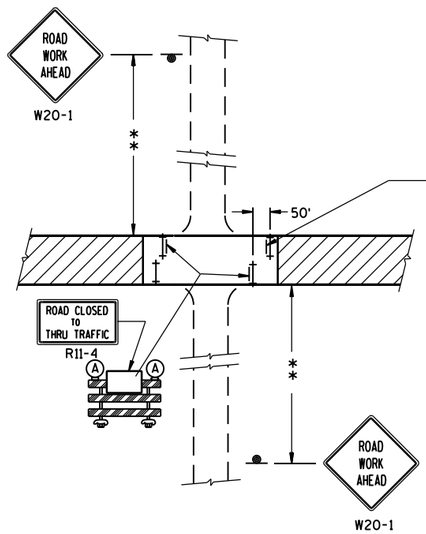
DETAIL 1

(NO ACCESS TO PROJECT)



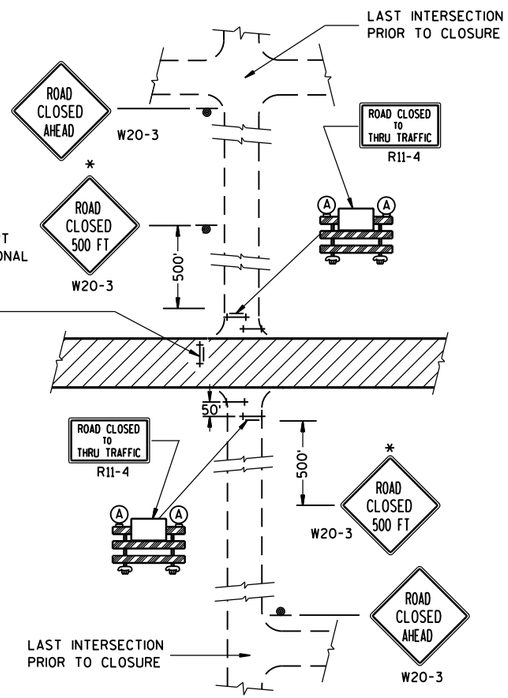
DETAIL 2

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



DETAIL 3

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



DETAIL 4

(CONTRACTOR, LOCAL BUSINESS AND RESIDENT ACCESS TO PROJECT)

GENERAL NOTES

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

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

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

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

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

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

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

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

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

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

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

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

LEGEND

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

BARRICADES AND SIGNS FOR SIDEROAD CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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

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S.D.D. 15 C 3-2

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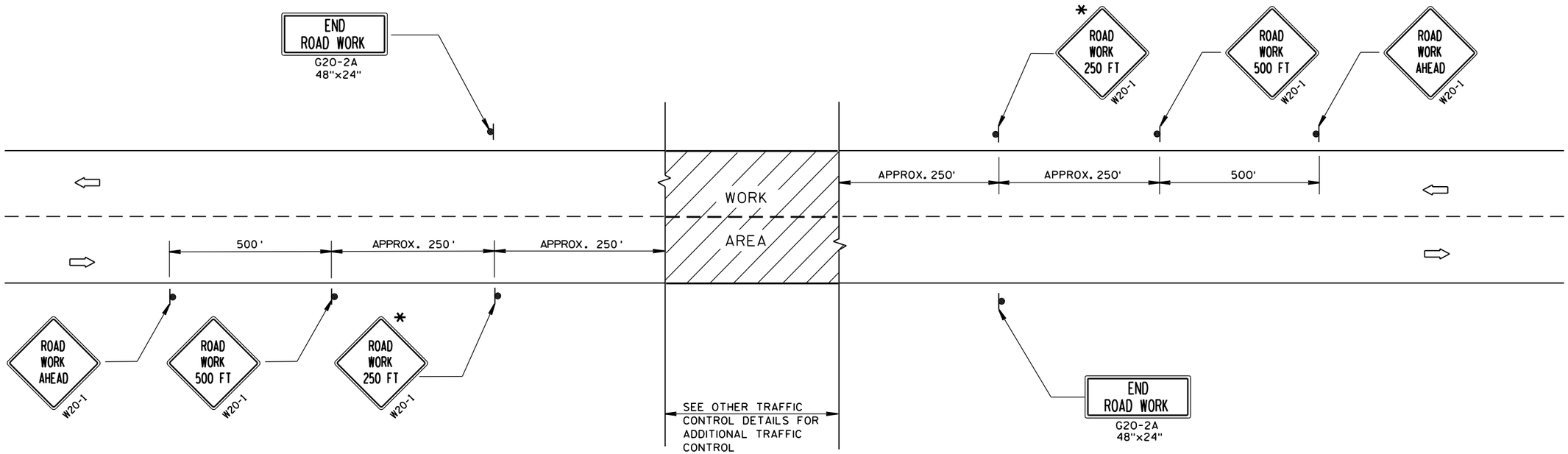
S.D.D. 15 C 3-2

TYPICAL SIDEROAD APPROACH WARNING SIGN DETAIL



GENERAL NOTES

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

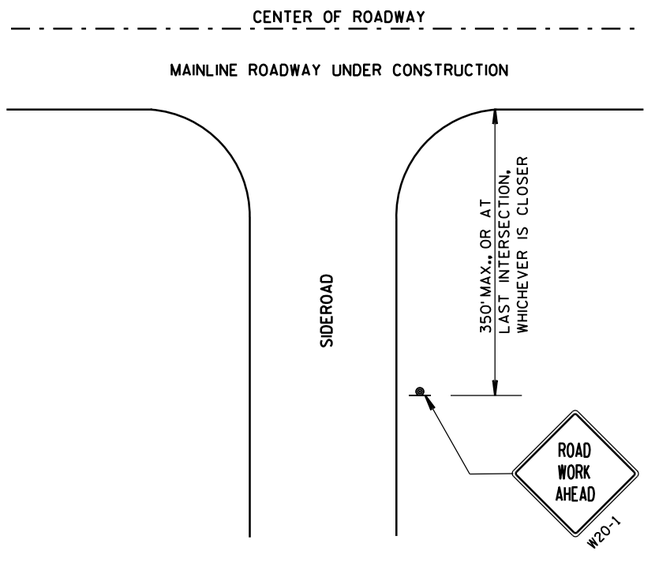
THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND SHOULD PROVIDE A DESIRABLE MINIMUM OF 200 FEET CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

ALL SIGNS ARE 48"x48" UNLESS OTHERWISE NOTED. IF NECESSARY DUE TO SPACE CONSTRAINTS, 36"x36" SIGNS MAY BE USED INSTEAD OF 48"x48" SIGNS.

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

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

* THE THIRD W20-1 SIGN IS REQUIRED ONLY IF THERE IS AN INTERSECTION BETWEEN THE "ROAD WORK 500 FT" SIGN AND THE WORK ZONE. ADJUST THE PLACEMENT OF THIS SIGN BASED ON INTERSECTION LOCATION AND OTHER FIELD CONDITIONS.



LEGEND

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

TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 M.P.H. OR LESS TWO-WAY UNDIVIDED ROAD OPEN TO TRAFFIC

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

8/2013 DATE — /S/ Travis Feltes STATE TRAFFIC ENGINEER — SIGN

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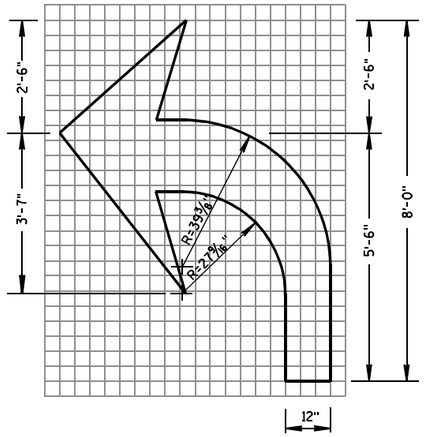
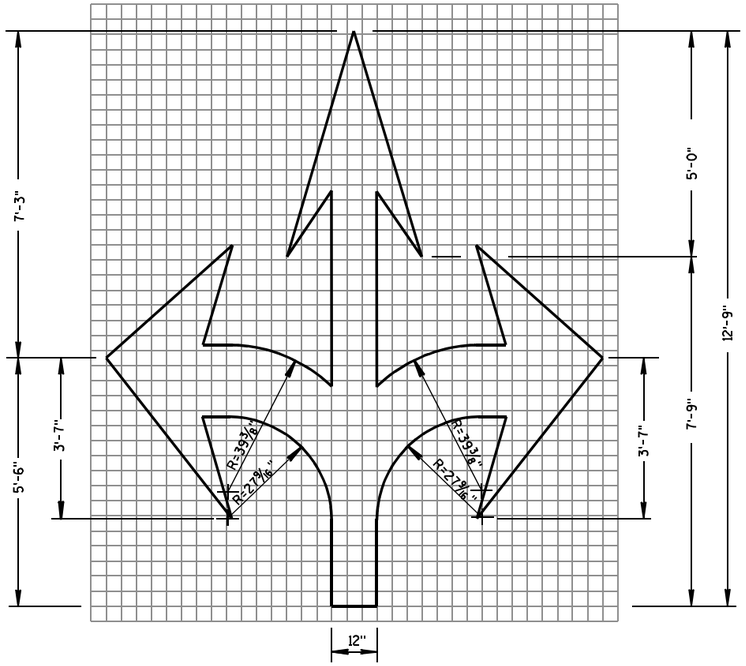
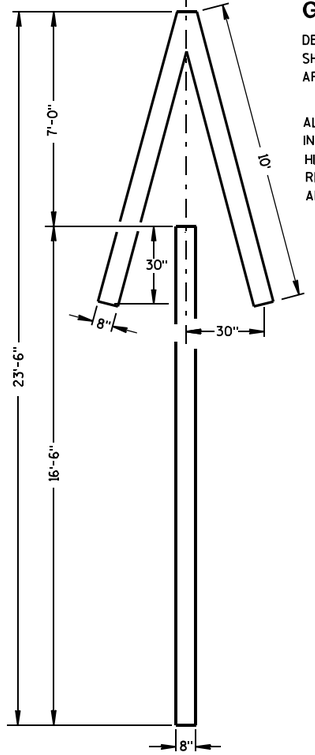
S.D.D. 15 C 5-2



TYPE 2



TYPE 6

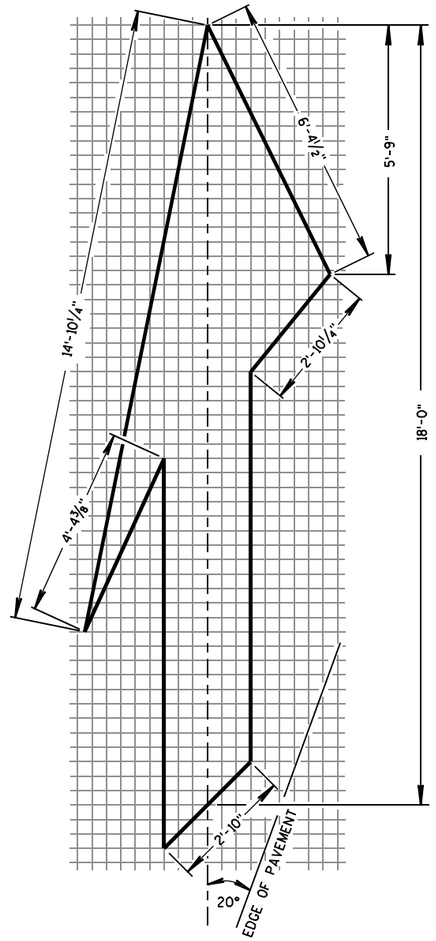


TYPE 4

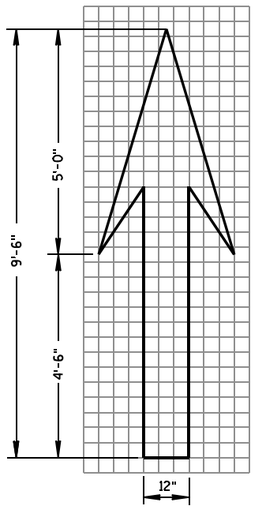
GENERAL NOTES

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

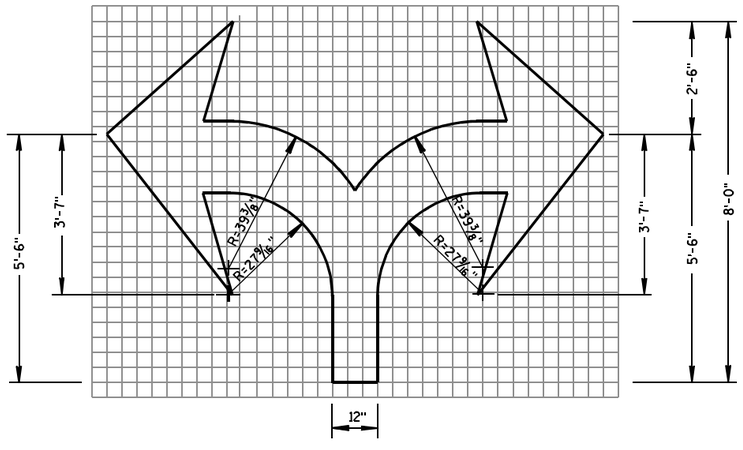
ALL LETTERS, ARROWS AND SYMBOLS SHALL BE IN CONFORMANCE WITH REQUIREMENTS INCLUDED IN "STANDARD ALPHABETS FOR HIGHWAY SIGNS AND PAVEMENT MARKING" BOOK BY THE FEDERAL HIGHWAY ADMINISTRATION. ALL LETTERS, ARROWS AND SYMBOLS SHALL BE WHITE AND REFLECTORIZED. SMALL DIFFERENCES IN DIMENSIONS WITHIN THE TOLERANCES OF THAT BOOK ARE ACCEPTABLE.



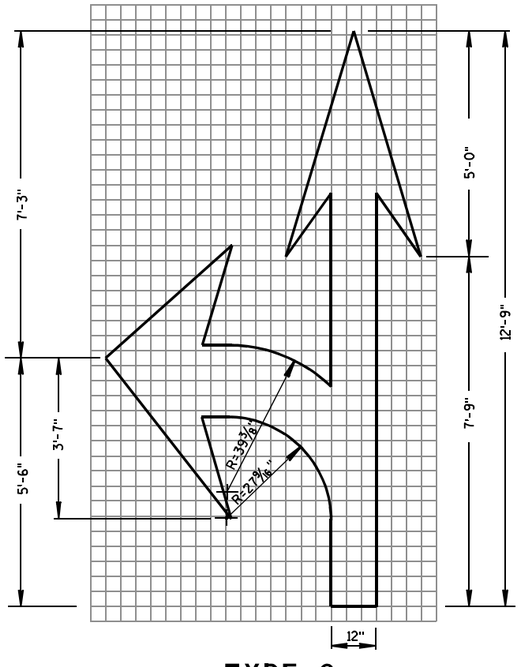
TYPE 5 LANE DROP ARROW



TYPE 1



TYPE 7



TYPE 3

PAVEMENT MARKING ARROWS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

7/1/11 — DATE

/S/ Thomas N. Nathaam — STATE TRAFFIC ENGINEER

FHWA

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S.D.D. 15 C 7-12c

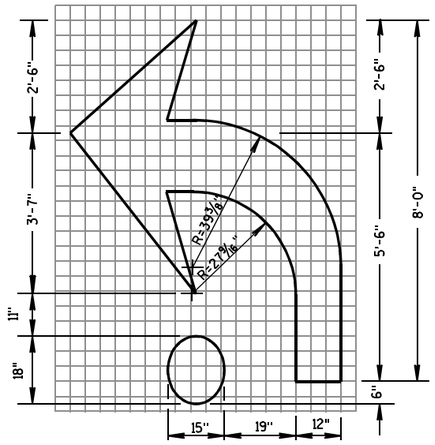
6

S.D.D. 15 C 7-12c

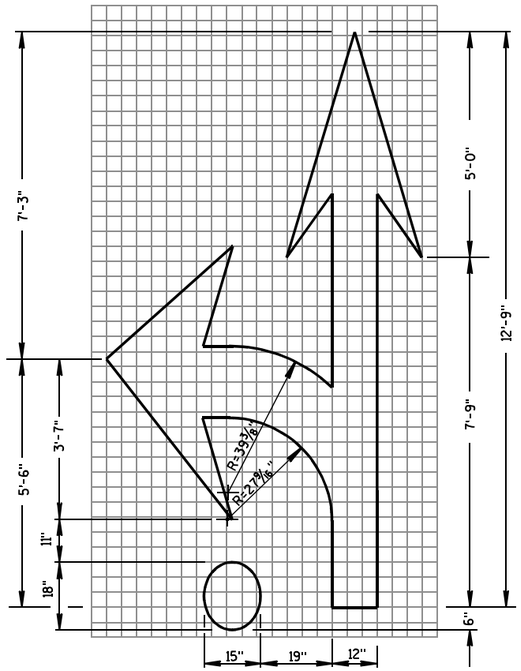
GENERAL NOTES

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

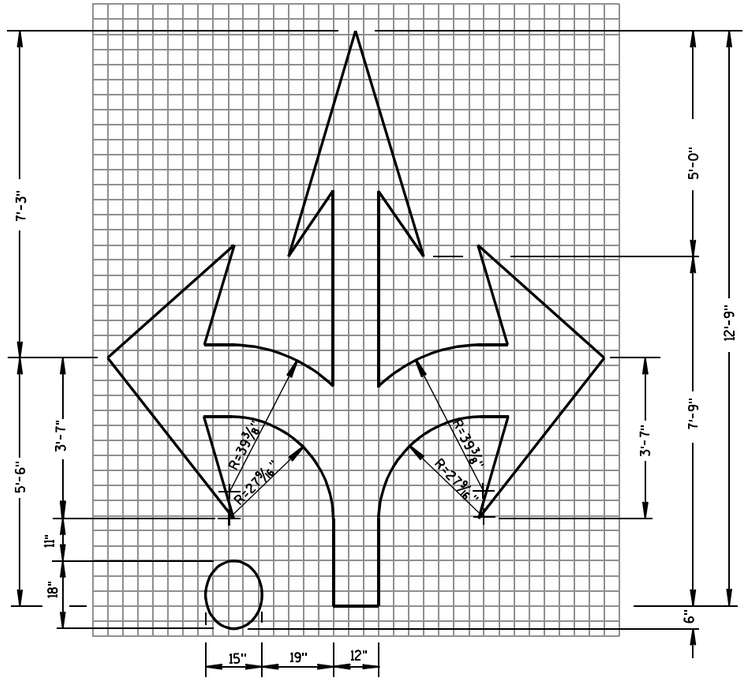
ALL LETTERS, ARROWS AND SYMBOLS SHALL BE IN CONFORMANCE WITH REQUIREMENTS INCLUDED IN "STANDARD ALPHABETS FOR HIGHWAY SIGNS AND PAVEMENT MARKING" BOOK BY THE FEDERAL HIGHWAY ADMINISTRATION. ALL LETTERS, ARROWS AND SYMBOLS SHALL BE WHITE AND REFLECTORIZED. SMALL DIFFERENCES IN DIMENSIONS WITHIN THE TOLERANCES OF THAT BOOK ARE ACCEPTABLE.



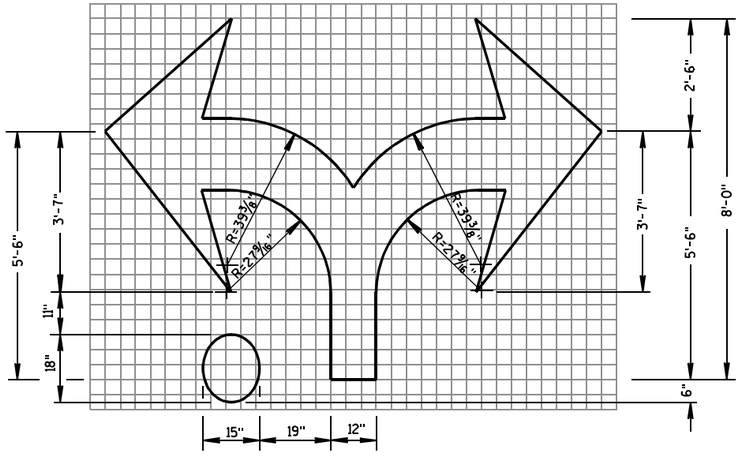
TYPE 2R



TYPE 3R



TYPE 6R



TYPE 7R

ROUNDABOUT ARROWS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

7/1/11 — DATE

/S/ Thomas N. Nothdurm — STATE TRAFFIC ENGINEER

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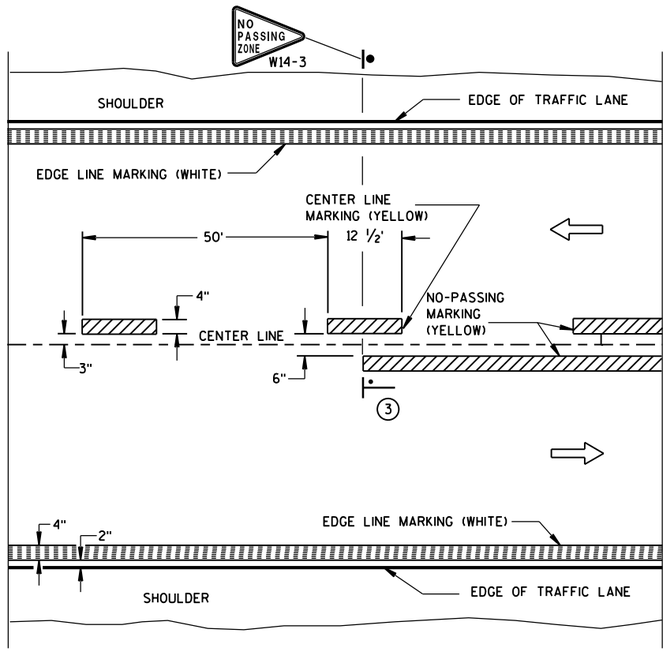
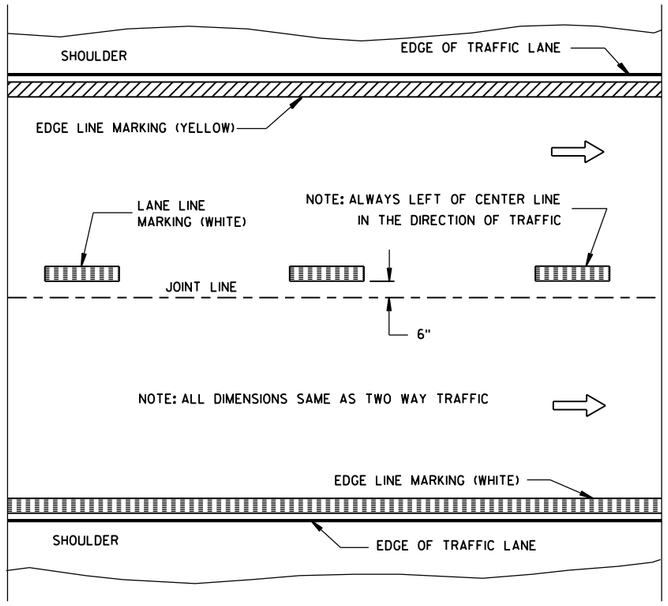
S.D.D. 15 C 7-12d

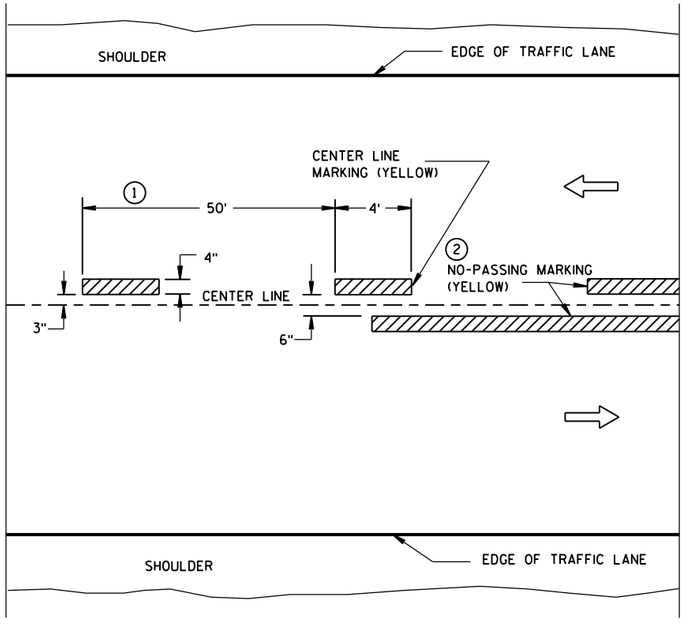


TWO WAY TRAFFIC

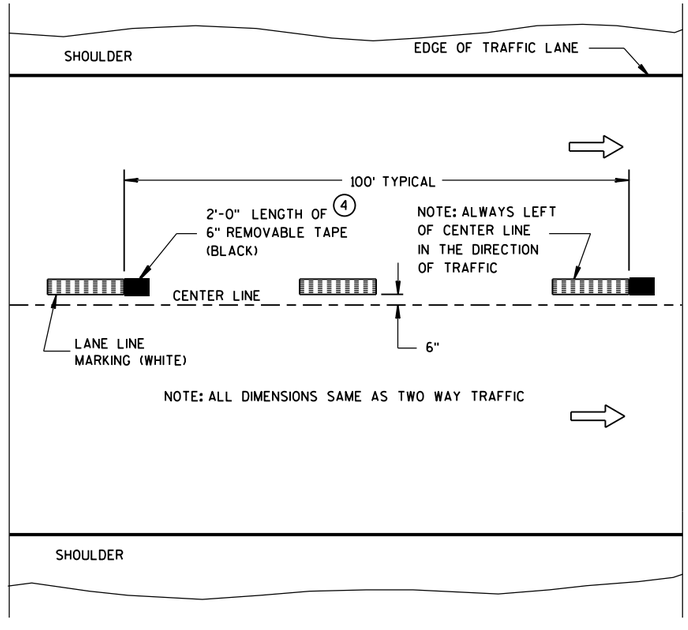


ONE WAY TRAFFIC

PERMANENT PAVEMENT MARKING



TWO WAY TRAFFIC



ONE WAY TRAFFIC

TEMPORARY (INTERMEDIATE) PAVEMENT MARKING

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

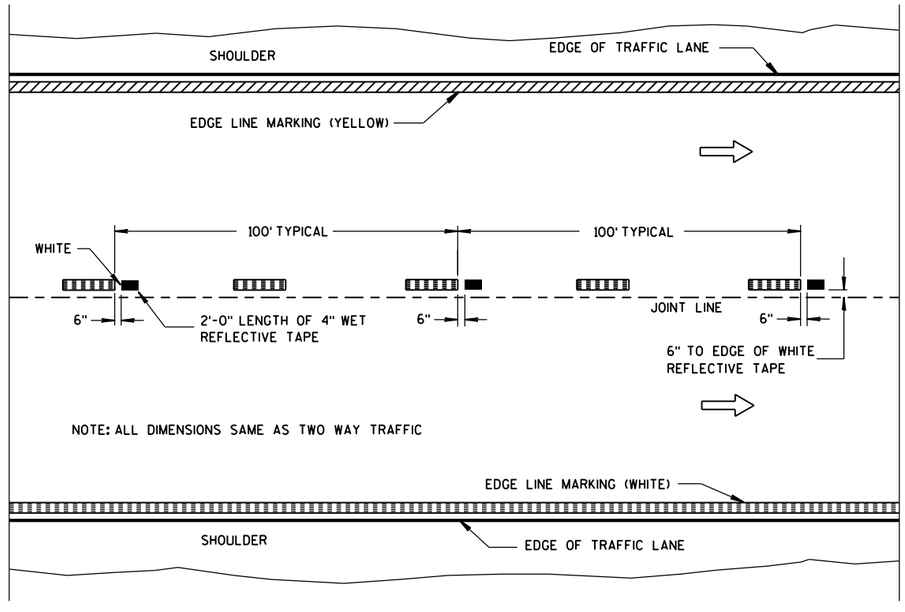
GENERAL NOTES

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

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

NOTE

ARROW SYMBOL (⇨) SHOWS DIRECTION OF TRAVEL



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

LEGEND

"T" MARKING

POST MOUNTED SIGN

PAVEMENT MARKING (MAINLINE)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

5-13-2013 — DATE

/S/ Travis Feltes — STATE TRAFFIC E

FHWA

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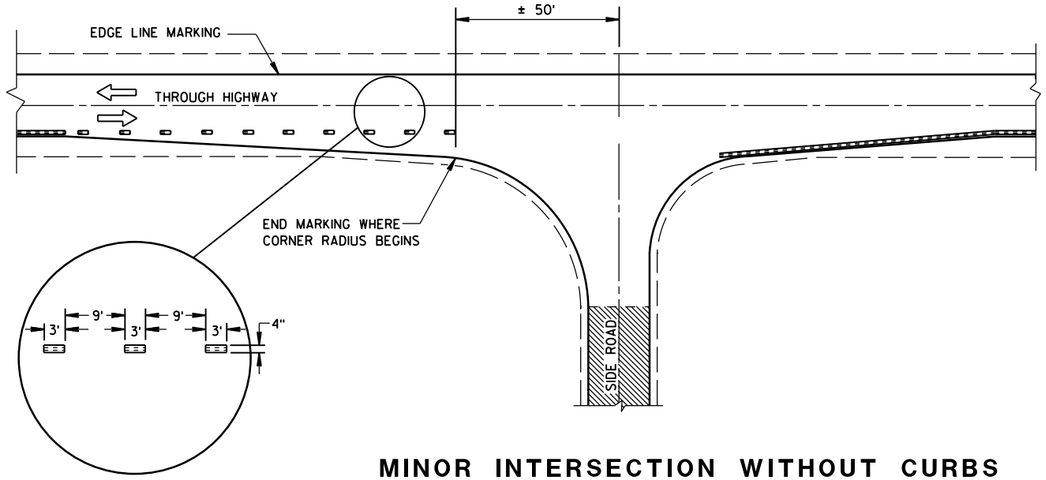
S.D.D. 15 C 8-16a

6

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



MINOR INTERSECTION WITHOUT CURBS

GENERAL NOTES

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

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

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

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

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

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

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

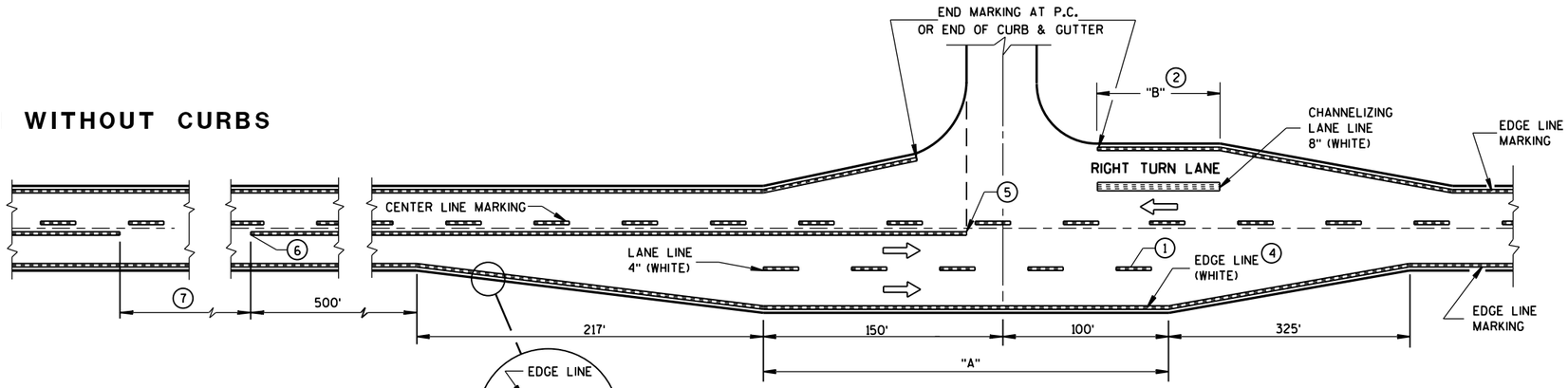
(7) IF THE DISTANCE BETWEEN 2 SUCCESSIVE NO-PASSING ZONES IS LESS THAN THE MINIMUM DISTANCE BETWEEN ZONES, CONNECT THE 2 ZONES.

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

ARROW SYMBOL (⇨) SHOWS DIRECTION OF TRAVEL

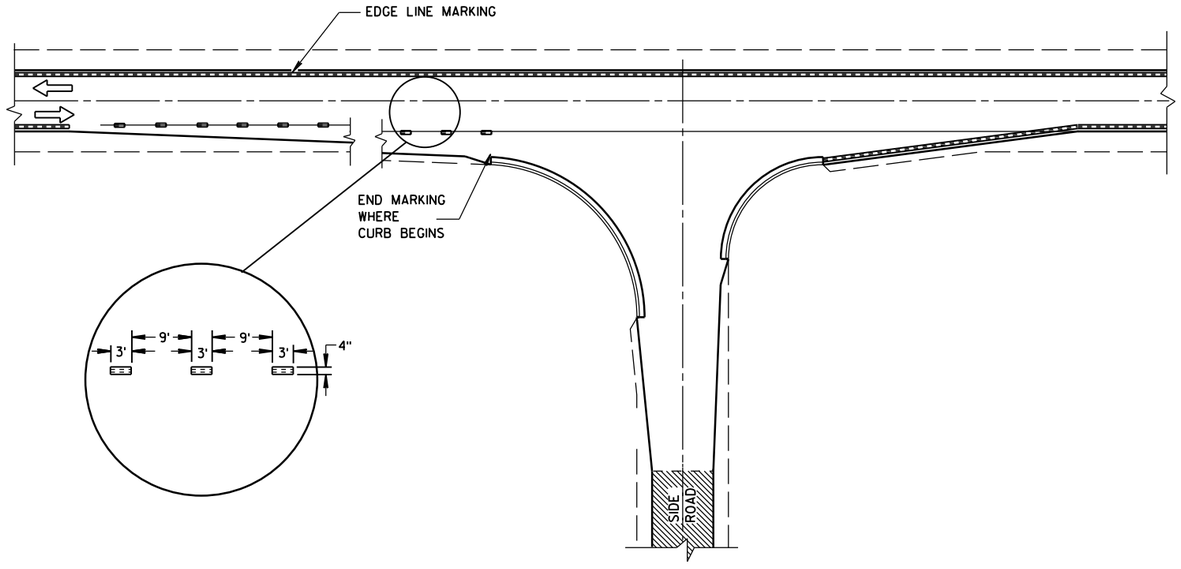
(7)

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



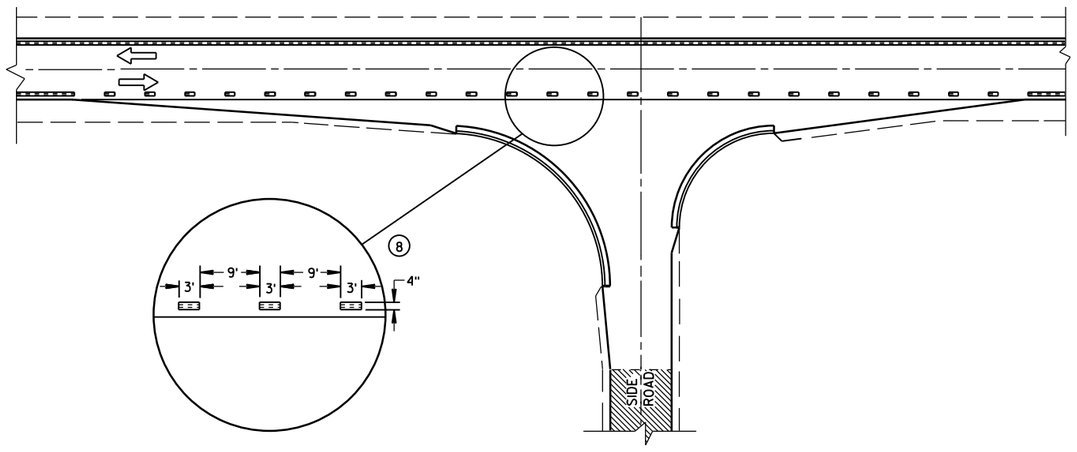
MAJOR INTERSECTIONS

(INTERSECTION WITH FULL RIGHT TURN LANE OR BYPASS LANES)



MINOR INTERSECTION WITH CURBS

(TYPICAL MARKING)



MINOR INTERSECTION WITH CURBS

(3) (FOR SPECIAL CONDITIONS AS SPECIFIED)

PAVEMENT MARKING
(INTERSECTIONS)

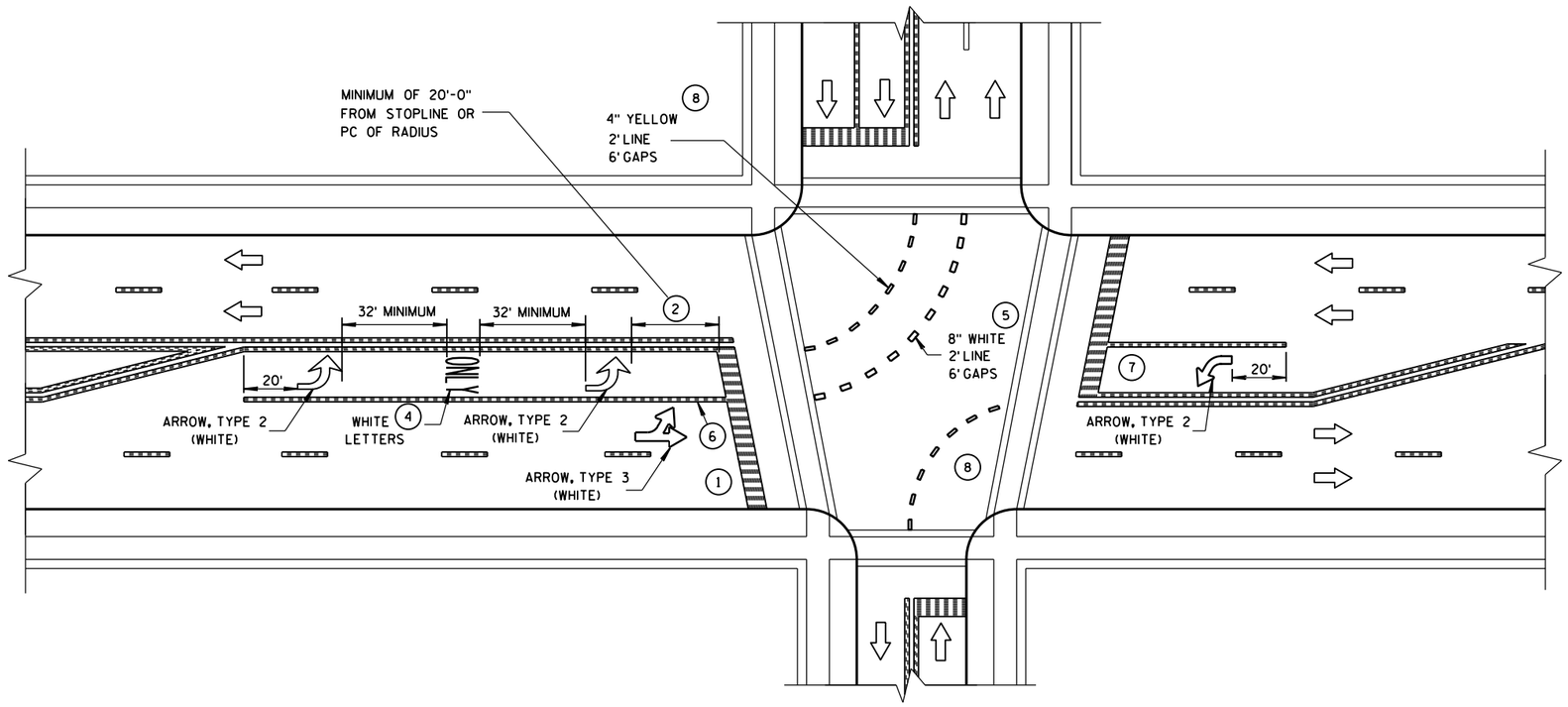
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR

6

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

6

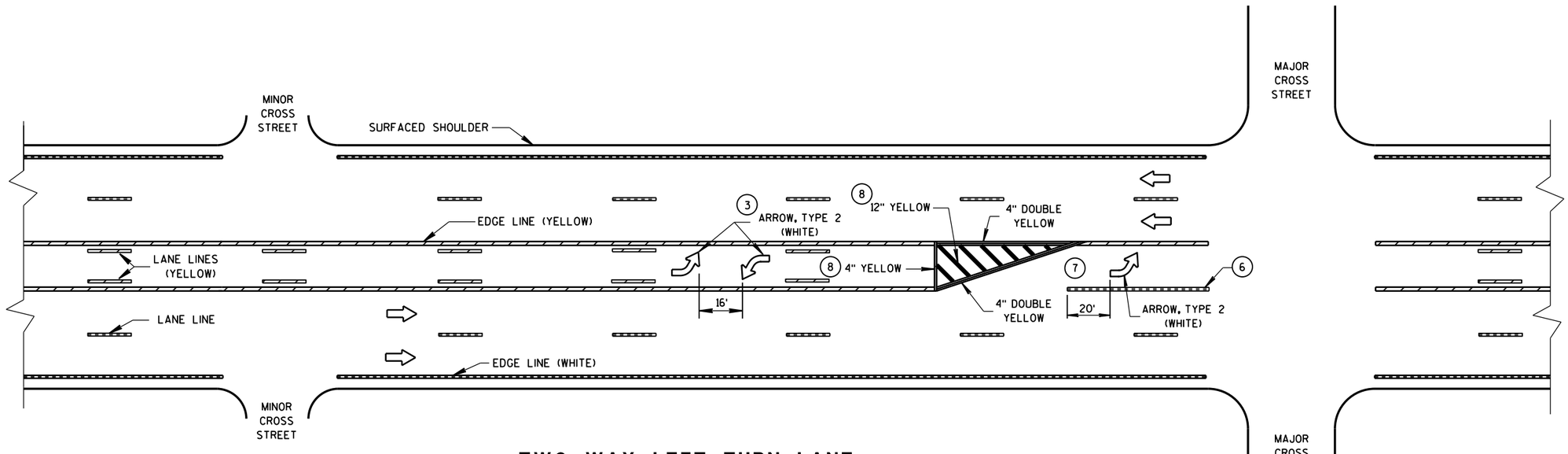
S.D.D. 15 C 8-16b



GENERAL NOTES

1. STOP BAR IS REQUIRED ONLY WHEN SPECIFIED IN THE CONTRACT.
2. DISTANCE MAY BE ADJUSTED TO ACCOMODATE SHORT LEFT TURN LANES. AS APPROVED BY THE ENGINEER.
3. A SET OF ARROWS IS REQUIRED EVERY 400 FEET OR NEAR INTERSECTIONS OR DRIVEWAYS WITH TURNING TRAFFIC.
4. ADD EXTRA SETS OF ONE ARROW AND ONE ONLY PER 160 FEET OR WHEN ON A CURVE.
5. 8" WHITE WITH 2' LINE 6' GAPS FOR DUAL TURN LANE.
6. 8" WHITE
7. ADD SECOND ARROW WHEN TURN BAY IS GREATER THAN OR EQUAL TO 108 FEET.
8. REQUIRED ONLY WHEN SPECIFIED IN THE CONTRACT.

NOTE:
ARROW SYMBOL (⇨)
SHOWS DIRECTION OF TRAVEL



TWO WAY LEFT TURN LANE

PAVEMENT MARKING (LEFT TURN LANE)

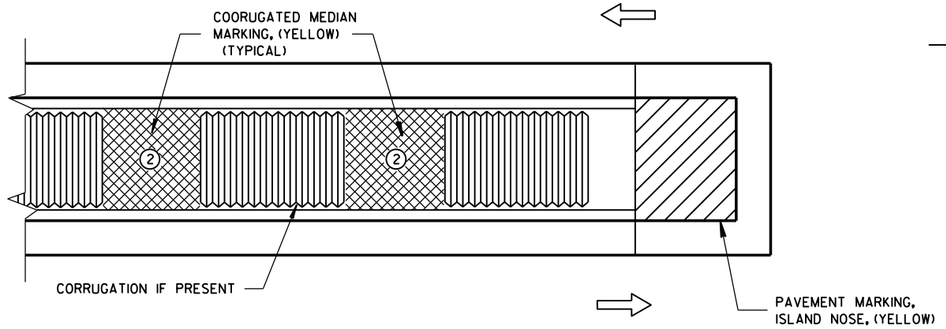
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

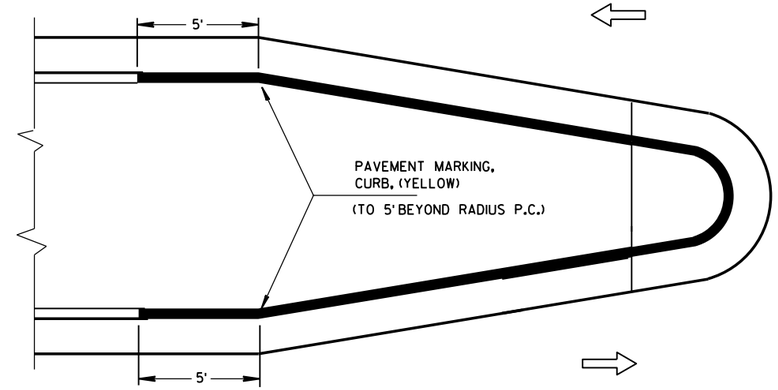
S.D.D. 15 C 8-16e

6

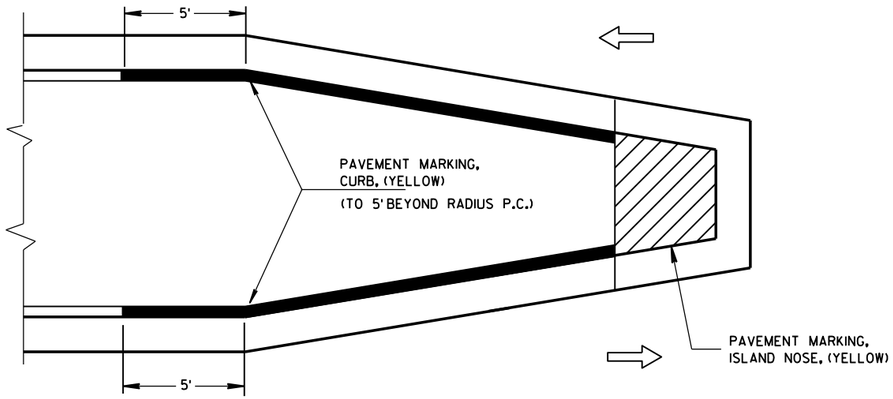
S.D.D. 15 C 8-16e



MEDIAN ISLAND WITH SQUARE BLUNT NOSE

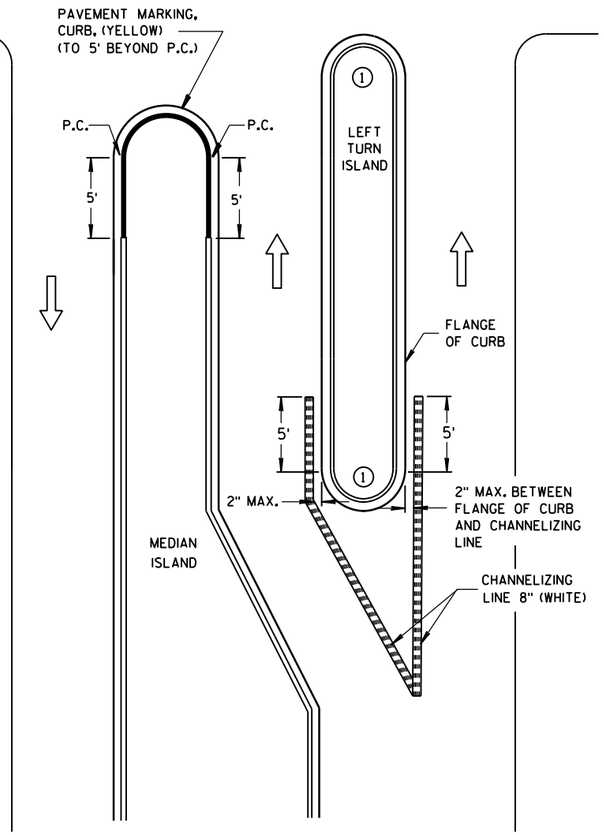


MEDIAN ISLAND WITH ROUND BLUNT NOSE



MEDIAN ISLAND WITH SLOPED NOSE

TYPICAL PLACEMENT OF PAVEMENT MARKING ON MEDIAN ISLANDS

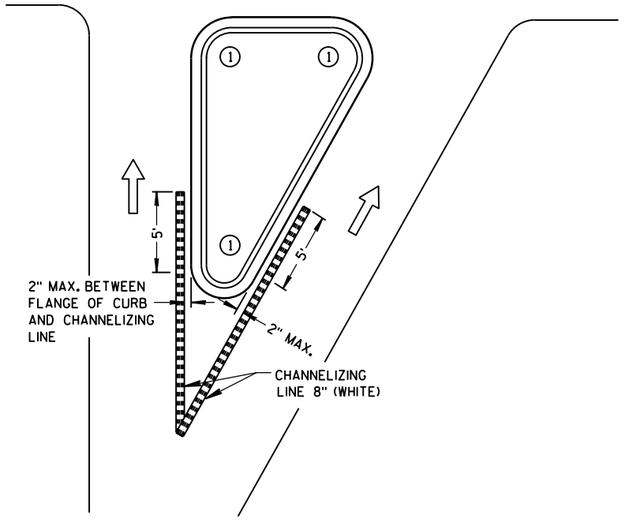


LEFT TURN & MEDIAN ISLAND

GENERAL NOTES

1. DO NOT MARK CURB NOSES THAT SEPARATE LANES OF TRAFFIC TRAVELING IN THE SAME DIRECTION.

2. 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.



RIGHT TURN ISLAND

LEGEND

- ISLAND NOSE MARKING
- CURB MARKING
- CORRUGATED MEDIAN MARKING
- DIRECTION OF TRAVEL

PAVEMENT MARKING
(ISLANDS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

6

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

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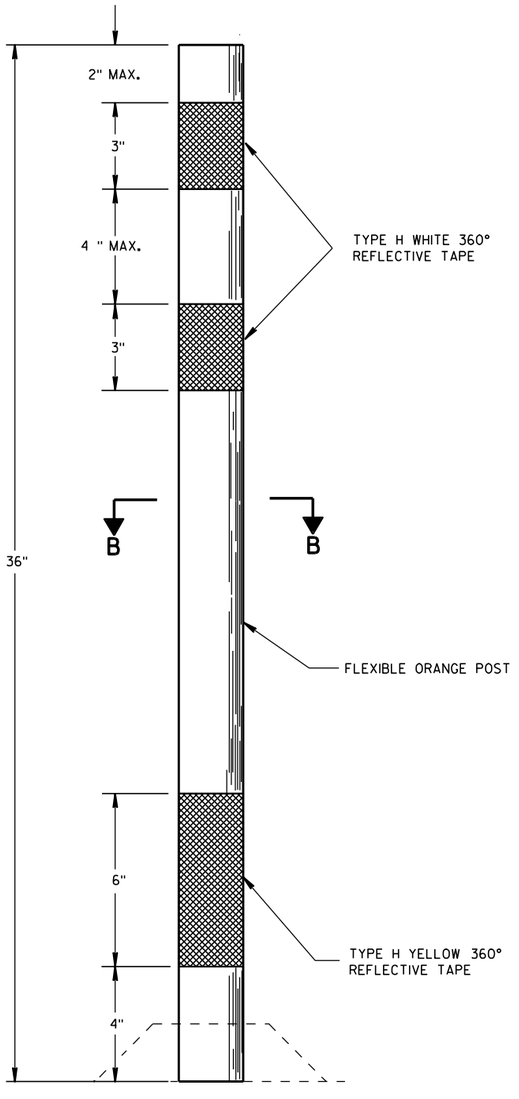
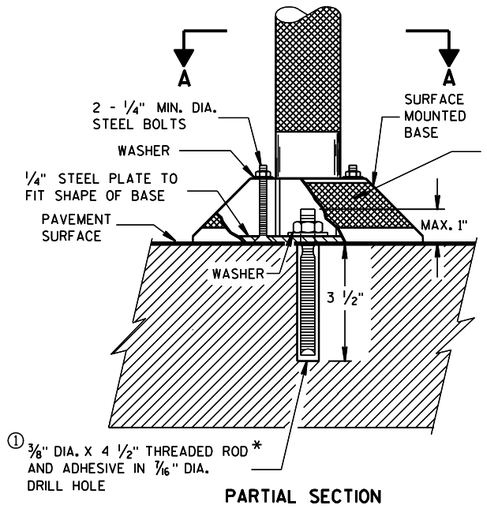
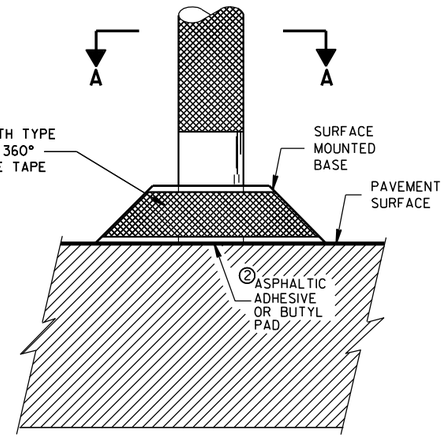
S.D.D. 15 C 8-16f



FLEXIBLE TUBULAR MARKER POST



PARTIAL SECTION TO SHOW BOLTS



POST BASES ON NEW OR EXISTING PAVEMENT

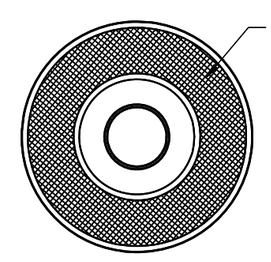
GENERAL NOTES

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

SURFACE MOUNTED BASES SHALL BE FURNISHED IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS TO BE COMPATIBLE WITH FLEXIBLE TUBULAR MARKER POSTS TO A SIZE AND SHAPE THAT WILL PROVIDE A STABLE POST FOUNDATION WHEN SECURED TO THE PAVEMENT.

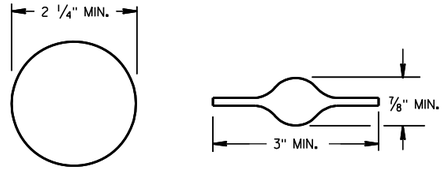
① THREADED ROD SHALL BE MACHINED DOWN TO 0.280 INCH DIA. 1 1/4 INCHES FROM THE TOP.

② THE ASPHALTIC ADHESIVE OR BUTYL PAD FURNISHED SHALL BE IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS.



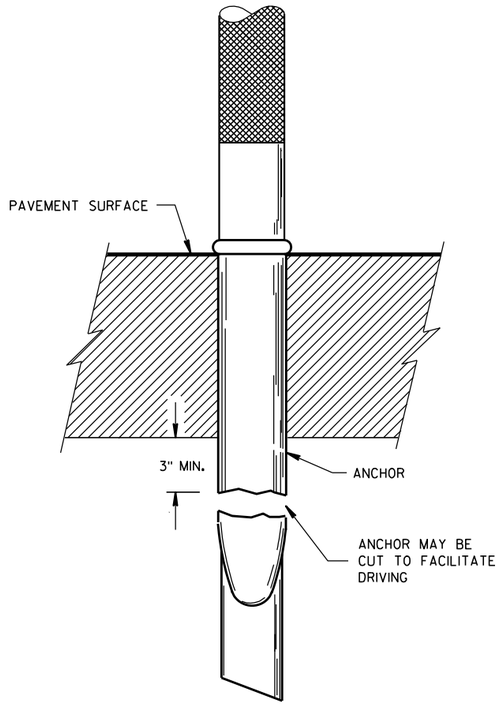
SECTION A-A

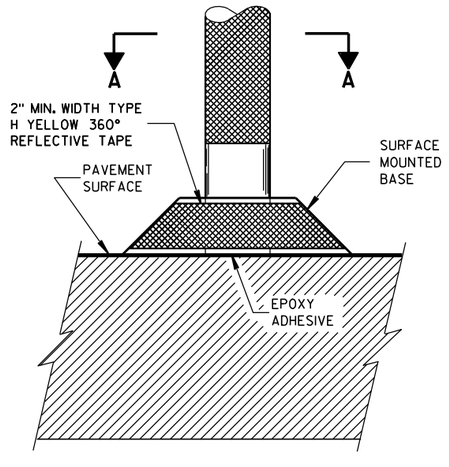
SURFACE MOUNTED BASE



SECTION B-B

ALTERNATIVE SHAPES





POST ANCHOR AND BASE ON PAVEMENT WHICH WILL BE REMOVED

FLEXIBLE TUBULAR MARKER POST, ANCHOR & BASES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

2/17/94 DATE

/S/ Chester J. [illegible] DIRECTOR, OFFICE O

FHWA

6

S.D.D. 15 C 11-5

6

S.D.D. 15 C 11-5

LEGEND

SIGN ON PORTABLE OR PERMANENT SUPPORT

DIRECTION OF TRAFFIC

WORK AREA

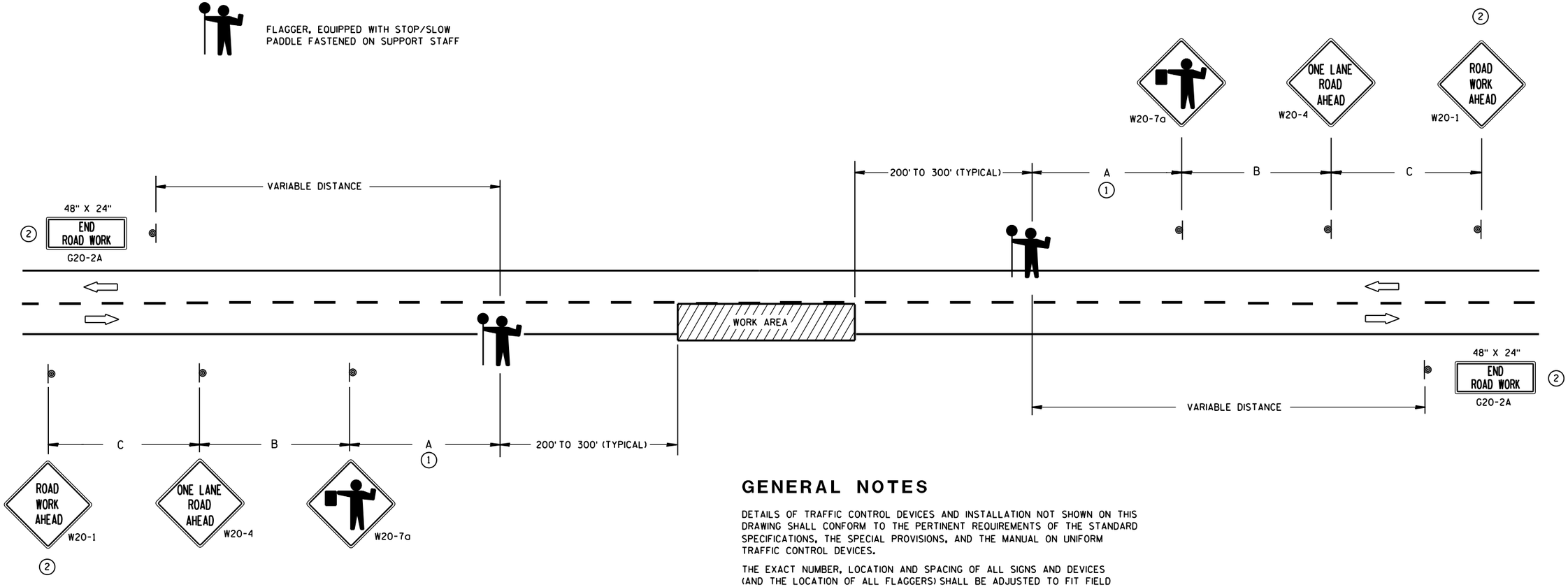
FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF

SIGN SPACING TABLE

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

W3-4

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



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

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

GENERAL NOTES

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

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

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

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

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

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

TRAFFIC CONTROL FOR LANE CLOSURE (SUITABLE FOR MOVING OPERATIONS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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

6

S.D.D. 15 C 12-4

6

S.D.D. 15 C 12-4

GENERAL NOTES

ORIENT ANCHOR BOLTS IN FOOTING AND PROVIDE ANCHOR BOLT STICK OUT ABOVE TOP OF CONCRETE FOOTING BASE PER FABRICATION DRAWING.

BENDING DIMENSIONS FOR REINFORCING BARS ARE OUT TO OUT.

USE 3" CLEAR FOR ALL REINFORCEMENT UNLESS NOTED OTHERWISE.

SIGN SUPPORTS SHALL BE LOCATED NORMAL TO ROADWAY.

THE CONTRACTOR IS RESPONSIBLE FOR MAKING HIS OWN DETERMINATION AS TO THE TYPE AND LOCATION OF UNDERGROUND UTILITIES AS MAY BE NECESSARY TO AVOID DAMAGE THERETO.

WELDING OF ANCHOR BOLTS TO THE CAGE IS UNACCEPTABLE. TEMPLATES SHALL BE USED.

BAR CAGE TO BE ASSEMBLED USING TIE WIRES ONLY, NO WELDING.

BASES (SHAFT) SHALL BE EXCAVATED BY THE USE OF A CIRCULAR AUGER. IF A BASE REQUIRES A DEEP FORM BECAUSE OF LOOSE SOIL, THE FORM SHALL BE REMOVED BEFORE BACK FILLING AROUND THE BASE. ANY REQUIRED BACKFILL SHALL BE WELL COMPACTED IN LAYERS OF 1 FOOT OR LESS. COMPACTION SHALL BE BY MECHANICAL MEANS. CARE SHALL BE TAKEN SO NO DAMAGE OCCURS TO THE CONCRETE BASE DURING COMPACTION.

EXCAVATION OF MATERIALS NOT OCCUPIED BY CONCRETE SHALL BE MINIMIZED TO REDUCE DISTURBANCE OF THE SURROUNDING SOILS.

THE BOTTOM OF THE DRILLED HOLE SHALL BE FIRM AND THOROUGHLY CLEANED SO NO LOOSE OR COMPRESSIBLE MATERIALS ARE PRESENT AT THE TIME OF THE CONCRETE PLACEMENT.

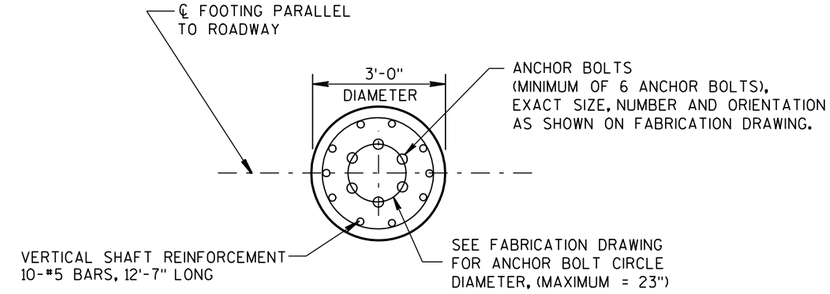
IF THE DRILLED HOLE CONTAINS STANDING WATER, THE CONCRETE SHALL BE PLACED USING A TREMIE TO DISPLACE THE WATER.

THE REINFORCEMENT AND ANCHOR BOLTS SHALL BE ADEQUATELY SUPPORTED IN THE PROPER POSITIONS SO NO MOVEMENT OCCURS DURING CONCRETE PLACEMENT.

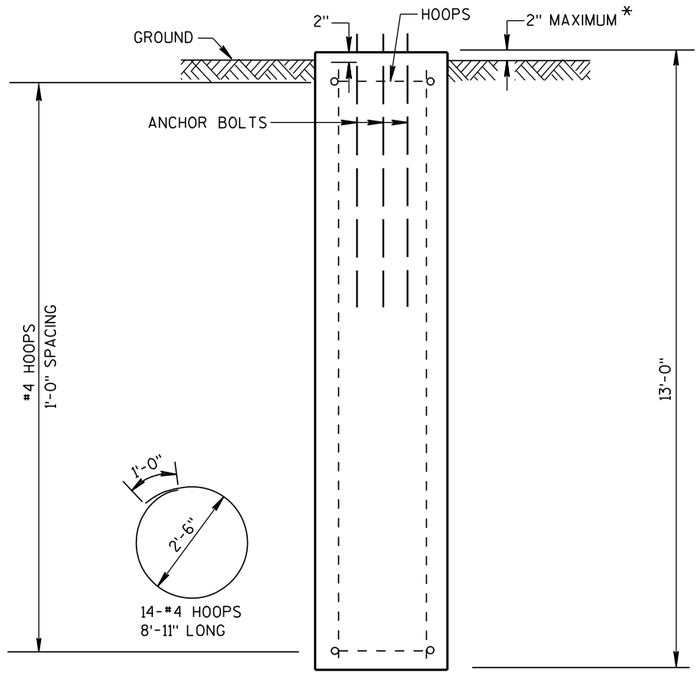
ANY DAMAGE TO THE CONCRETE BASE DURING CONSTRUCTION OPERATIONS SHALL BE REPAIRED AT THE ENGINEER'S DIRECTION, AT THE EXPENSE OF THE CONTRACTOR.

CONCRETE MASONRY	fc=3,500 p.s.i.
HIGH STRENGTH BAR STEEL REINFORCEMENT, GRADE 60	fy=60,000 p.s.i.
ANCHOR BOLTS	AASHTO M314 GRADE 55

THIS FOOTING HAS BEEN DESIGNED FOR SITES WHERE SOILS EXHIBIT A PHI-ANGLE GREATER THAN OR EQUAL TO 20 DEGREES (GRANULAR SOILS), OR A COHESION VALUE GREATER THAN OR EQUAL TO 350 PSF (COHESIVE SOILS).



PLAN VIEW



ELEVATION VIEW

* FOR OVERHEAD SIGN SUPPORTS THAT ARE INSTALLED ADJACENT TO SIDEWALKS, THE TOP OF THE BASE SHALL BE POURED FLUSH WITH THE GROUND.

CONCRETE - 3.4 C.Y. PER FOOTING
H.S. REINFORCEMENT - 215 LBS. PER FOOTING

36" DIAMETER FULL SPAN OVERHEAD SIGN SUPPORT BASE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

4/17/09 — DATE

/S/ Thomas N. Nothdurm — STATE TRAFFIC ENGINEER

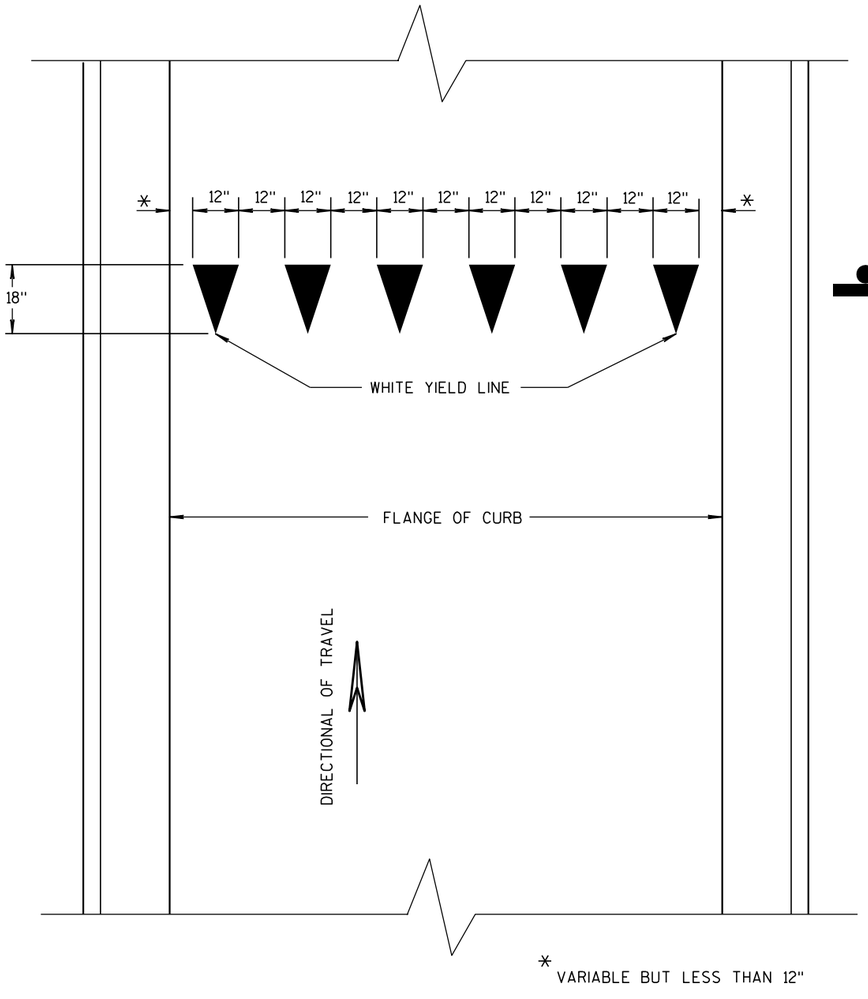
FHWA

S.D.D. 15 C 15-3

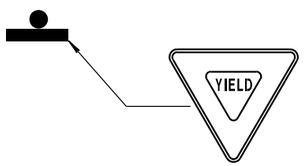
S.D.D. 15 C 15-3

6

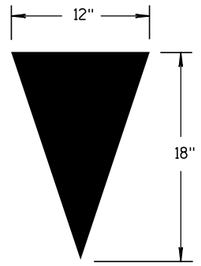
6



YIELD LINE



R1-2
36" X 31"



YIELD TRIANGLE

YIELD MARKINGS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

1/28/05 — DATE

/S/ Thomas N. Nothdurft — STATE TRAFFIC ENGINEER

FHWA

6

S.D.D. 15 C 20-1

6

S.D.D. 15 C 20-1

GENERAL NOTES

ORIENT ANCHOR BOLTS IN FOOTING AND PROVIDE ANCHOR BOLT STICK OUT ABOVE TOP OF CONCRETE FOOTING BASE PER FABRICATION DRAWING.

BENDING DIMENSIONS FOR REINFORCING BARS ARE OUT TO OUT.

USE 3" CLEAR FOR ALL REINFORCEMENT UNLESS NOTED OTHERWISE.

SIGN SUPPORTS SHALL BE LOCATED NORMAL TO ROADWAY.

THE CONTRACTOR IS RESPONSIBLE FOR MAKING HIS OWN DETERMINATION AS TO THE TYPE AND LOCATION OF UNDERGROUND UTILITIES AS MAY BE NECESSARY TO AVOID DAMAGE THERETO.

WELDING OF ANCHOR BOLTS TO THE CAGE IS UNACCEPTABLE. TEMPLATES SHALL BE USED.

BAR CAGE TO BE ASSEMBLED USING TIE WIRES ONLY, NO WELDING.

BASES (SHAFT) SHALL BE EXCAVATED BY THE USE OF A CIRCULAR AUGER. IF A BASE REQUIRES A DEEP FORM BECAUSE OF LOOSE SOIL, THE FORM SHALL BE REMOVED BEFORE BACK FILLING AROUND THE BASE. ANY REQUIRED BACKFILL SHALL BE WELL COMPACTED IN LAYERS OF 1 FOOT OR LESS. COMPACTION SHALL BE BY MECHANICAL MEANS. CARE SHALL BE TAKEN SO NO DAMAGE OCCURS TO THE CONCRETE BASE DURING COMPACTION.

EXCAVATION OF MATERIALS NOT OCCUPIED BY CONCRETE SHALL BE MINIMIZED TO REDUCE DISTURBANCE OF THE SURROUNDING SOILS.

THE BOTTOM OF THE DRILLED HOLE SHALL BE FIRM AND THOROUGHLY CLEANED SO NO LOOSE OR COMPRESSIBLE MATERIALS ARE PRESENT AT THE TIME OF THE CONCRETE PLACEMENT.

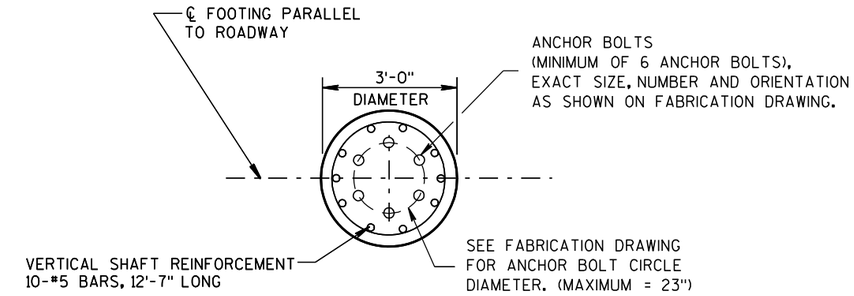
IF THE DRILLED HOLE CONTAINS STANDING WATER, THE CONCRETE SHALL BE PLACED USING A TREMIE TO DISPLACE THE WATER.

THE REINFORCEMENT AND ANCHOR BOLTS SHALL BE ADEQUATELY SUPPORTED IN THE PROPER POSITIONS SO NO MOVEMENT OCCURS DURING CONCRETE PLACEMENT.

ANY DAMAGE TO THE CONCRETE BASE DURING CONSTRUCTION OPERATIONS SHALL BE REPAIRED AT THE ENGINEER'S DIRECTION, AT THE EXPENSE OF THE CONTRACTOR.

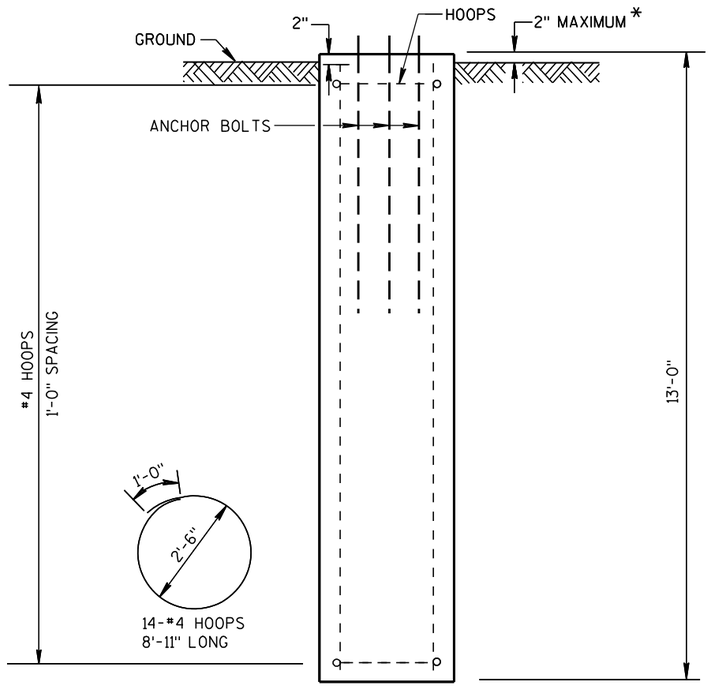
CONCRETE MASONRY	fc=3,500 p.s.i.
HIGH STRENGTH BAR STEEL REINFORCEMENT, GRADE 60	fy=60,000 p.s.i.
ANCHOR BOLTS	AASHTO M314 GRADE 55

THIS FOOTING HAS BEEN DESIGNED FOR SITES WHERE SOILS EXHIBIT A PHI-ANGLE GREATER THAN OR EQUAL TO 20 DEGREES (GRANULAR SOILS), OR A COHESION VALUE GREATER THAN OR EQUAL TO 350 PSF (COHESIVE SOILS).



PLAN VIEW

* FOR OVERHEAD SIGN SUPPORTS THAT ARE INSTALLED ADJACENT TO SIDEWALKS, THE TOP OF THE BASE SHALL BE POURED FLUSH WITH THE GROUND.



ELEVATION VIEW

CONCRETE - 3.4 C.Y. PER FOOTING
H.S. REINFORCEMENT - 215 LBS. PER FOOTING

36" DIAMETER CANTILEVER OVERHEAD SIGN SUPPORT BASE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
4/17/2009 DATE
/S/ Thomas N. N[illegible] STATE TRAFFIC ENGINEE 220 IGN
FHWA

6

S.D.D. 15 C 24-2

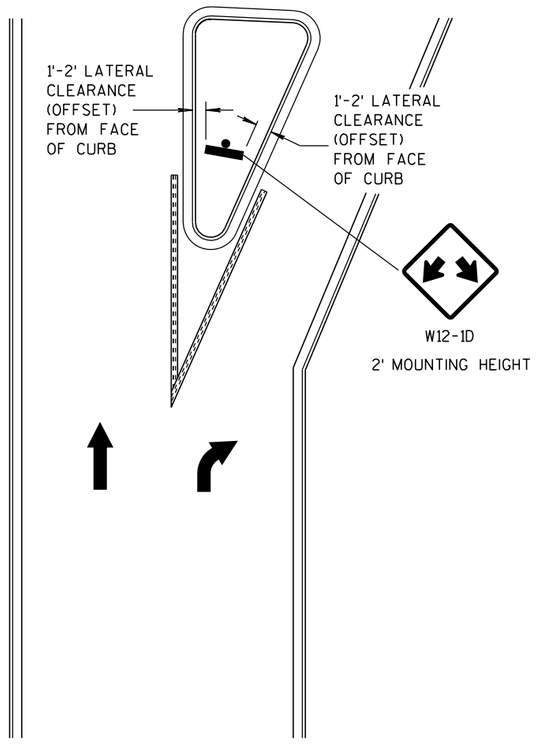
6

S.D.D. 15 C 24-2

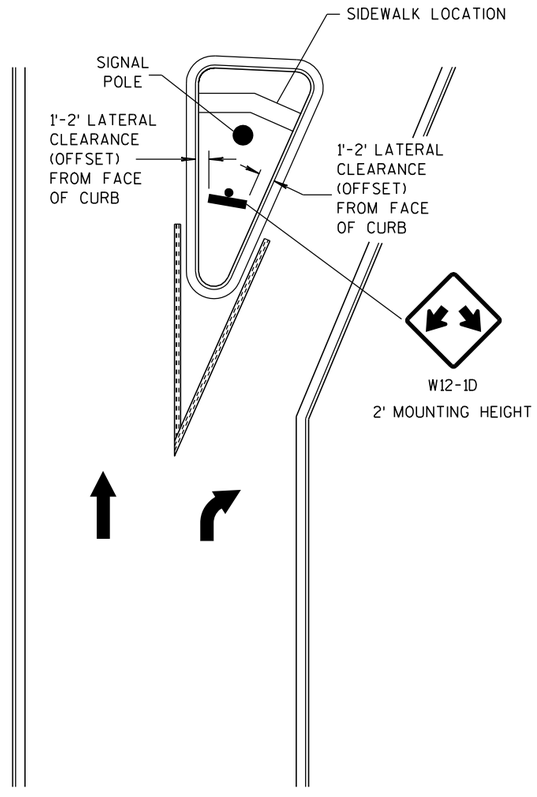
GENERAL NOTE

APPLIES TO ISLANDS AT LEFT TURNS AT ONE WAY ROADWAYS AS WELL.

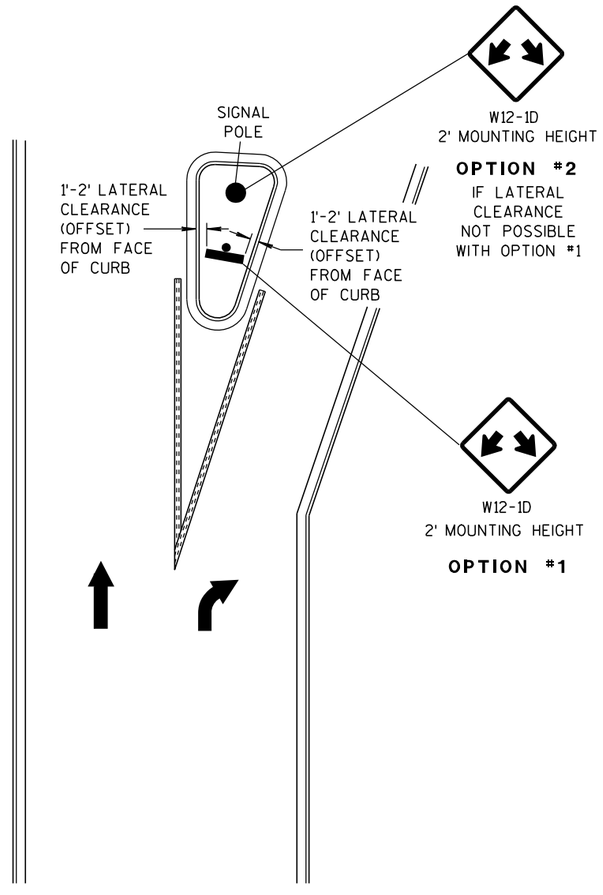
SEE MISCELLANEOUS QUANTITIES FOR SIGN SIZE.



LARGE RIGHT TURN ISLAND



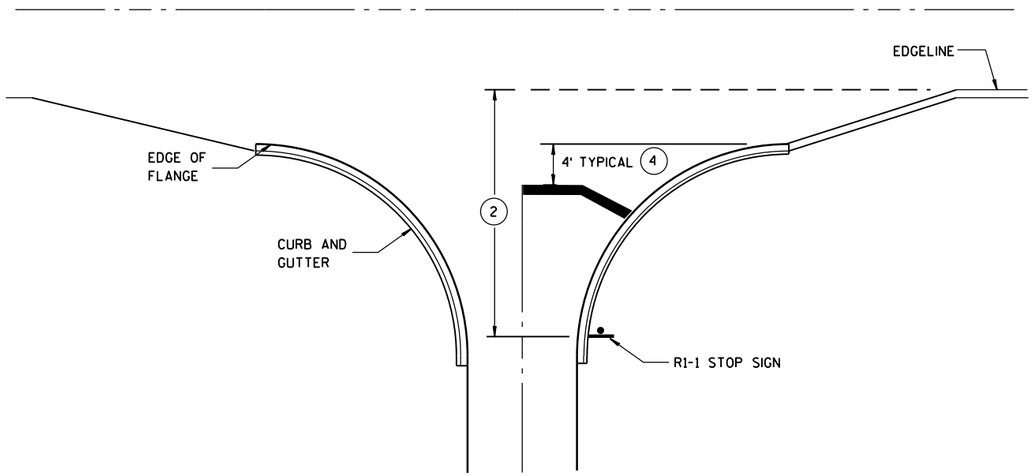
LARGE RIGHT TURN ISLAND
WITH SIGNAL POLE



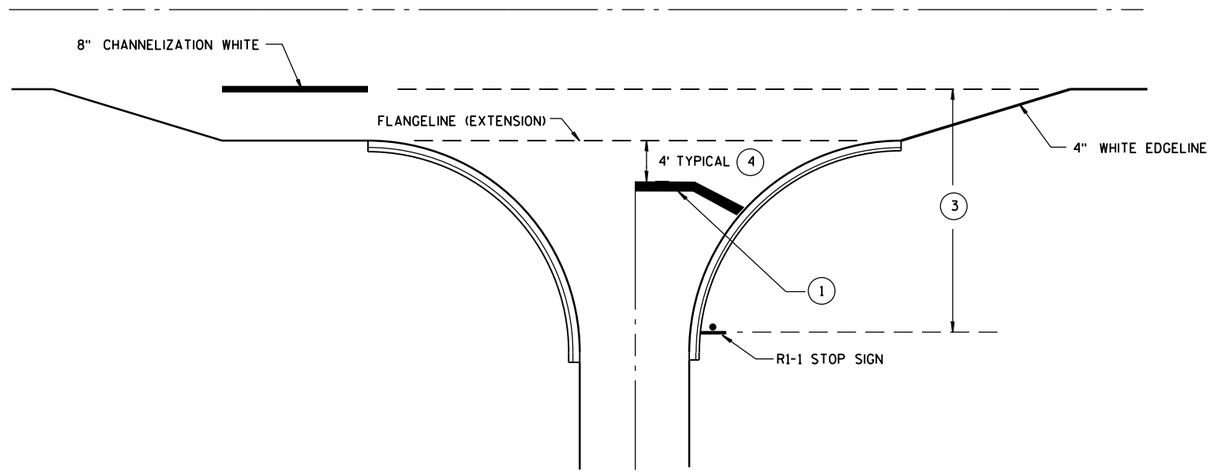
SMALL RIGHT TURN ISLAND

DOUBLE ARROW WARNING SIGN PLACEMENT

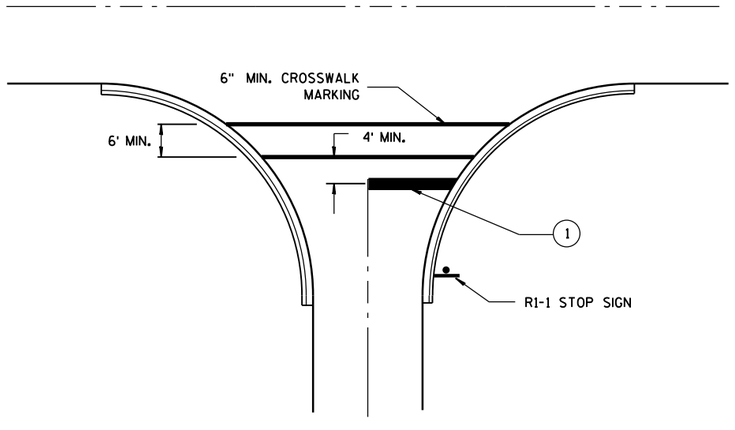
DOUBLE ARROW WARNING SIGN PLACEMENT	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED	
10-22-08 DATE	/S/ Thomas N. Nothdurft STATE TRAFFIC ENGINEER
FHWA	221 IGN



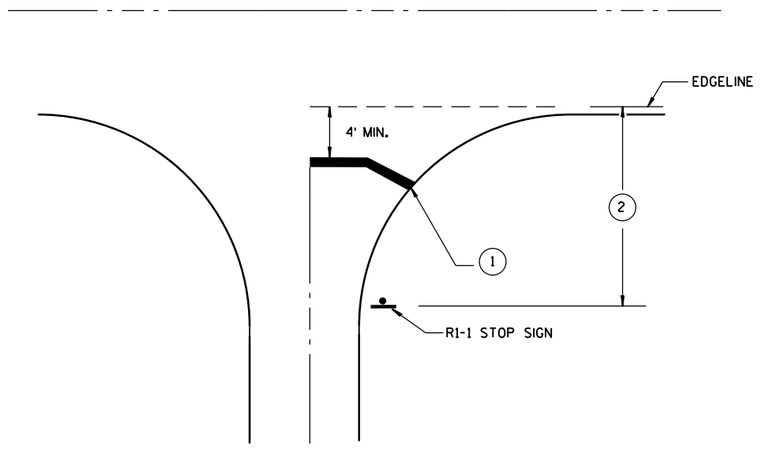
TYPICAL STOP LINE PAVEMENT MARKING WITH CURB AND GUTTER



TYPICAL STOP LINE PAVEMENT MARKING FOR SIDEROADS WITH RIGHT TURN LANE



TYPICAL STOP LINE PAVEMENT MARKING FOR SIDEROADS WITH CROSSWALK MARKING



TYPICAL STOP LINE PAVEMENT MARKING WITHOUT CURB AND GUTTER

GENERAL NOTES

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

STOP LINE AND CROSSWALK PAVEMENT MARKING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

4/30/2013
DATE

/S/ Travis Feltes
STATE TRAFFIC EI

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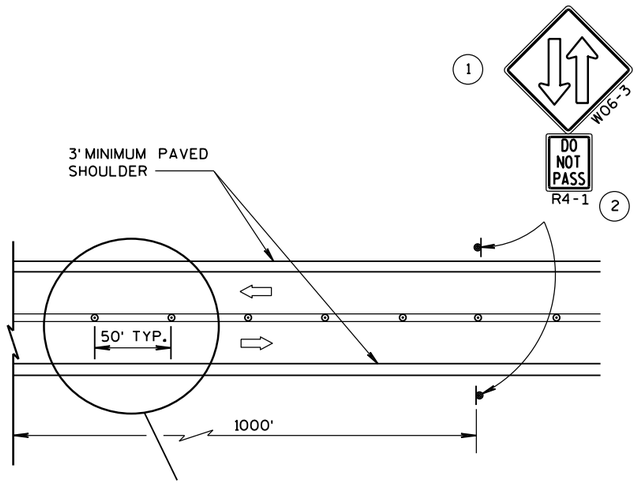
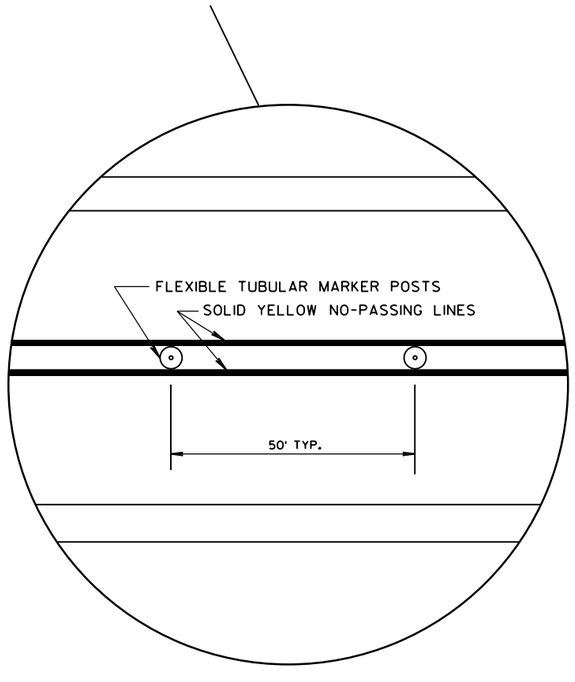


TWO LANE, TWO WAY OPERATION



GENERAL NOTES

ALL SIGNS ARE 48"x48" UNLESS OTHERS NOTED.

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

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

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

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

A SINGLE ROW OF FLEXIBLE TUBULAR MARKERS ON CENTERLINE EXTEND FOR THE ENTIRE LENGTH OF TWO-WAY TRAFFIC AT 50-FOOT SPACING.

COVER EXISTING CENTERLINE STRIPE WITH TEMPORARY PAVEMENT MARKING, 4-INCH DOUBLE YELLOW.

THE W06-3 WITH THE W057-51 SHALL BE LOCATED 200 FEET BEYOND THE END OF THE ACCELERATION LANE OF EACH ENTRANCE RAMP AND/OR 500 FEET BEYOND ANY SIDEROAD. THE W06-3 WITH THE R4-1 SHALL BE LOCATED 1000 FEET BEYOND THE W06-3 AND THE W057-51 AND THE SIGNS SHALL BE ALTERNATED WITH ONE MILE INTERVALS BETWEEN W06-3 SIGNS.

(2) CONVENTIONAL: 24"x30"
FREEWAY AND EXPRESSWAY: 36"x48"

LEGEND

- SIGN ON PERMANENT SUPPORT
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- DIRECTION OF TRAFFIC

TRAFFIC CONTROL, TWO LANE TWO WAY OPERATION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
8/2013 DATE
/S/ Travis Feltes STATE TRAFFIC ENGINEER SIGN
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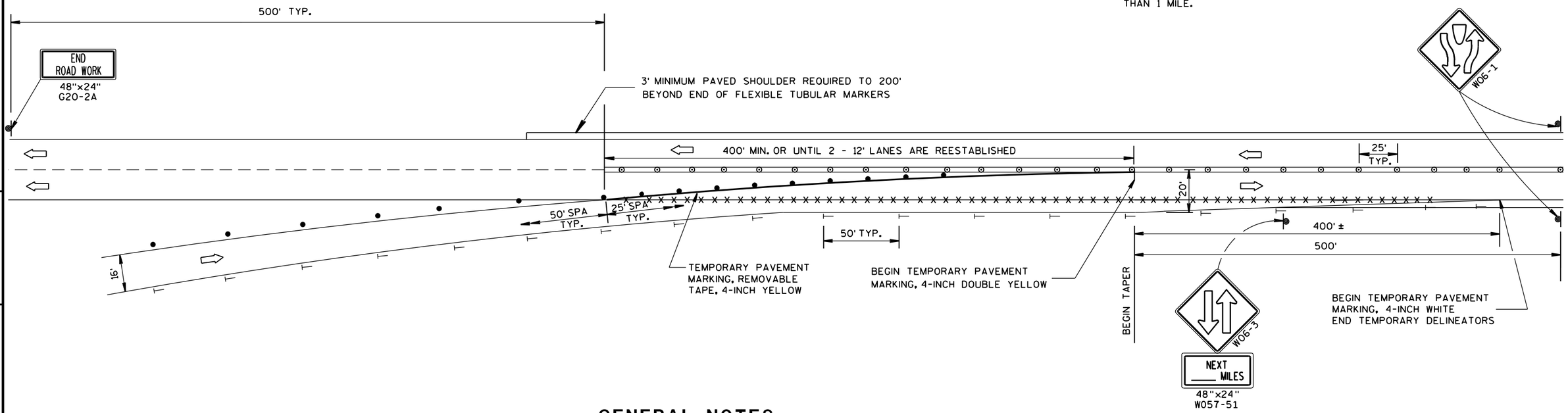
LEGEND

- SIGN ON PERMANEMT SUPPORT
- TRAFFIC CONTROL DRUM
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- TEMPORARY DELINEATOR (STEEL POST W/SINGLE DELINEATOR) COLOR OF DELINEATOR SHALL MATCH THE COLOR OF THE RESPECTIVE EDGELINE MARKING
- REMOVE PAVEMENT MARKINGS
- DIRECTION OF TRAFFIC



24"x30"
R4-1

REPEAT EVERY 1/4 MILE IF PROJECT IS LONGER THAN 1 MILE.

GENERAL NOTES

ALL SIGNS ARE 48"x48" UNLESS OTHERWISE NOTED.

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

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

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

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

TEMPORARY PAVEMENT MARKING REMOVABLE TAPE SHALL BE USED WHEN CROSSING PERMANENT ROADWAY SURFACES THAT WILL REMAIN AFTER USE OF CROSSOVER.

TRAFFIC CONTROL, SINGLE LANE CROSSOVER EXIT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

8/2013 DATE

/S/ Travis Feltes
STATE TRAFFIC ENGINEER

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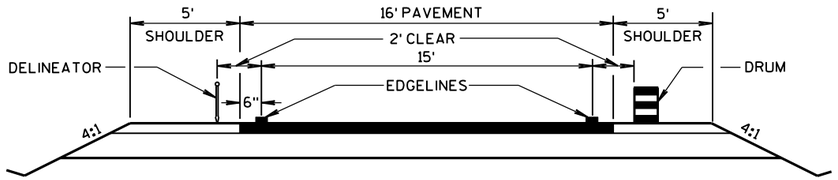
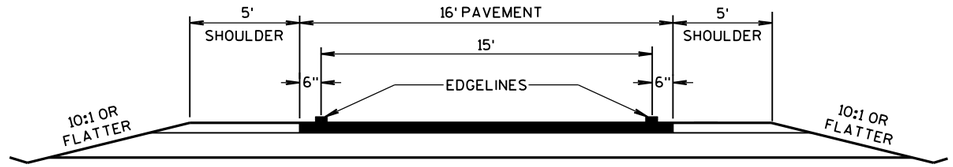


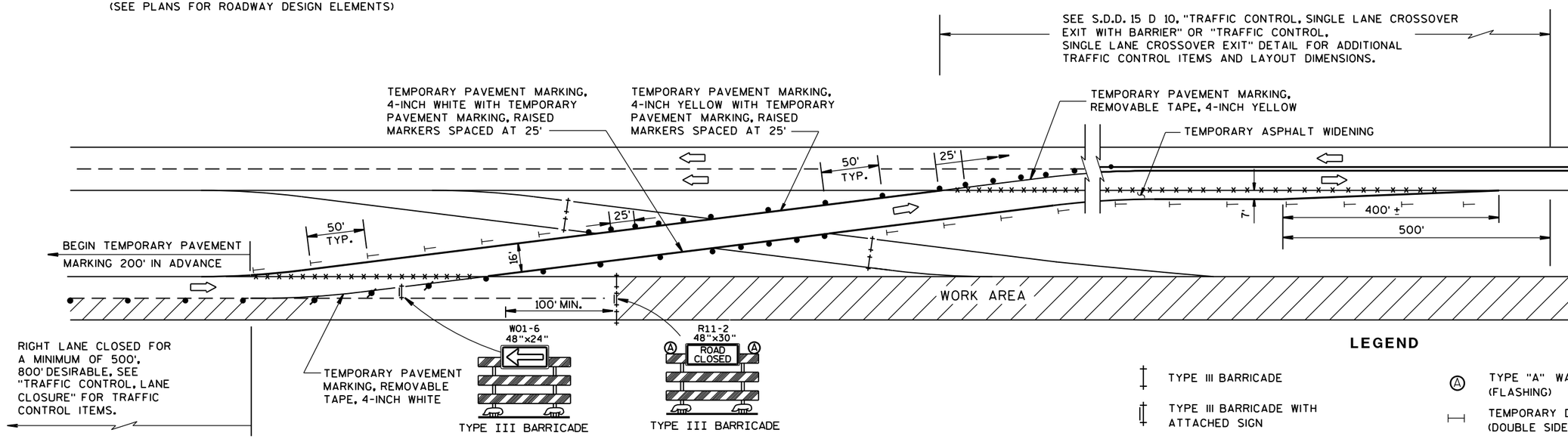
TYPICAL TEMPORARY CROSSOVER ROADWAY DIMENSIONS

(SEE PLANS FOR ROADWAY DESIGN ELEMENTS)



TYPICAL CROSSOVER TO REMAIN IN PLACE ROADWAY DIMENSIONS

(SEE PLANS FOR ROADWAY DESIGN ELEMENTS)



LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT
- TRAFFIC CONTROL DRUM
- TEMPORARY DELINEATOR (STEEL POST W/SINGLE DELINEATOR) COLOR OF DELINEATOR SHALL MATCH THE COLOR OF THE RESPECTIVE EDGELINE MARKING
- TYPE "A" WARNING LIGHT (FLASHING)
- TEMPORARY DELINEATOR (DOUBLE SIDED)
- REMOVING PAVEMENT MARKINGS
- DELINEATOR FLEXIBLE/ TUBULAR MARKER
- DIRECTION OF TRAFFIC
- WORK AREA

GENERAL NOTES

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

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

TEMPORARY PAVEMENT MARKING REMOVABLE TAPE SHALL BE USED WHEN CROSSING PERMANENT ROADWAY SURFACES THAT WILL REMAIN AFTER USE OF CROSSOVER AND TEMPORARY PAVEMENT MARKING WHERE USED.

ALL SIGNS ARE 48"x48" UNLESS OTHERWISE NOTED.

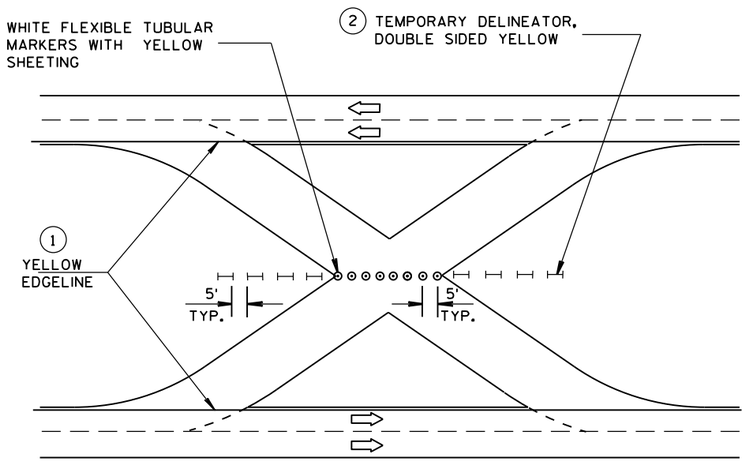
"WO" IS THE SAME AS "W" EXCEPT THE BACKGROUND IS ORANGE.

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

REVERSE DEVICES WHEN OTHER LEG OF CROSSOVER IS IN USE.

(1) FOR PERMANENT CROSSOVER, PAVEMENT MARKING SHOULD CONFORM TO SECTION 646 OF THE STANDARD SPECIFICATIONS.

(2) FOR PERMANENT CROSSOVER, INSTALL PERMANENT DELINEATORS ACCORDING TO SECTION 633 OF THE STANDARD SPECIFICATIONS.



TRAFFIC CONTROL FOR CROSSOVER THAT IS NOT IN USE

TRAFFIC CONTROL, SINGLE LANE CROSSOVER

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

9/2014 DATE — /S/ Travis Feltes STATE TRAFFIC ENGINEER — SIGN

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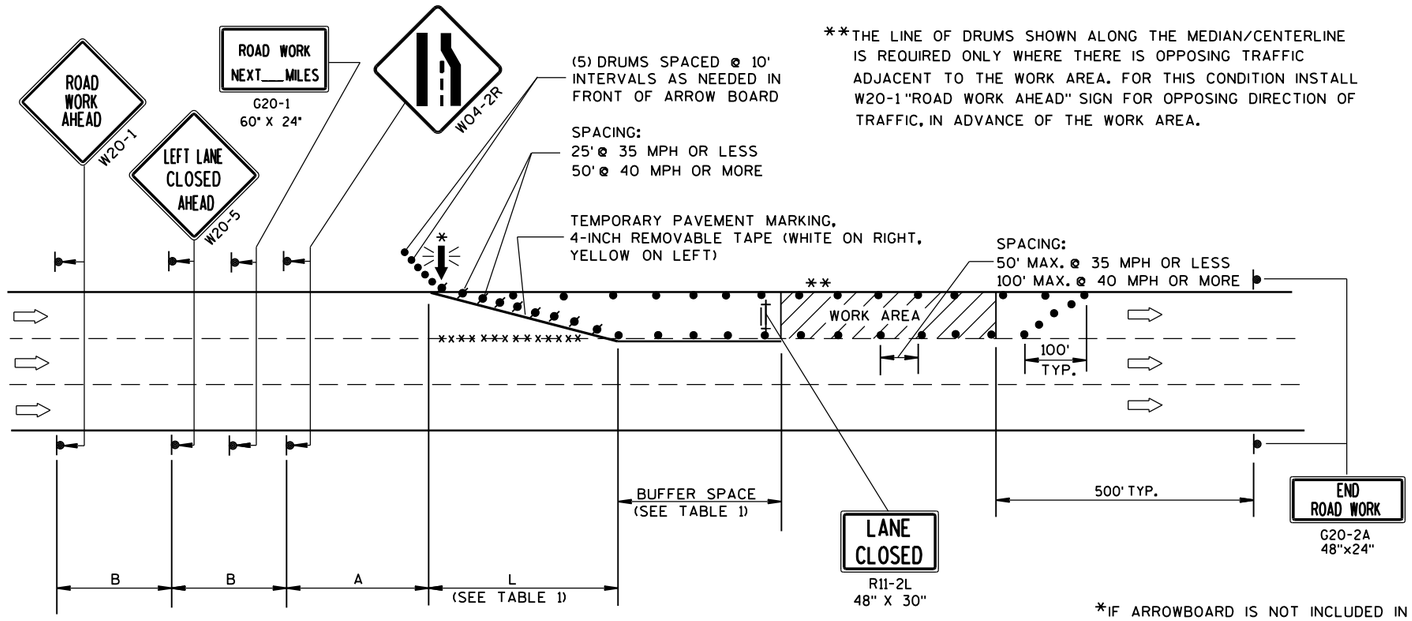

**THE LINE OF DRUMS SHOWN ALONG THE MEDIAN/CENTERLINE IS REQUIRED ONLY WHERE THERE IS OPPOSING TRAFFIC ADJACENT TO THE WORK AREA. FOR THIS CONDITION INSTALL W20-1 "ROAD WORK AHEAD" SIGN FOR OPPOSING DIRECTION OF TRAFFIC, IN ADVANCE OF THE WORK AREA.

B=400' AT 25-30 MPH
700' AT 35-40 MPH
1000' AT 45-55 MPH

A=200' AT 25-30 MPH
350' AT 35-40 MPH
500' AT 45-55 MPH

(PLACE BARRICADE AND SIGN APPROX. EVERY 1000' ACROSS THE CLOSED LANE)

*IF ARROWBOARD IS NOT INCLUDED IN MISCELLANEOUS QUANTITIES, SUBSTITUTE A TYPE III BARRICADE WITH W01-6 SIGN IN THE LANE CLOSURE TAPER.

W01-6
48"x24"

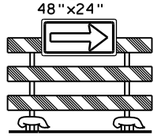

TABLE 1
TAPER AND BUFFER SPACE FOR 12' LANE WIDTH

S	L	BUFFER SPACE
25	125'	55'
30	180'	85'
35	245'	120'
40	320'	170'
45	540'	220'
50	600'	280'
55	660'	335'

FOR LANE WIDTH OTHER THAN 12':

L = WS AT 45 MPH OR GREATER

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

L = TAPER LENGTH IN FEET

S = NON-CONSTRUCTION SPEED LIMIT (MPH)

W = WIDTH OF LANE CLOSURE

LEGEND

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

GENERAL NOTES

THIS LANE CLOSURE DETAIL IS TYPICAL FOR CLOSING THE LEFT LANE. FOR A RIGHT LANE CLOSURE, REVERSE THE TRAFFIC CONTROL.

THIS DETAIL MAY BE USED FOR ROADWAYS WITH EITHER TWO OR THREE LANES IN EACH DIRECTION.

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

THE SPACING BETWEEN 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.

ALL SIGNS ARE 48"x48" UNLESS OTHERWISE NOTED. IF NECESSARY DUE TO SPACE CONSTRAINTS IN URBAN AREAS, 36" X 36" SIGNS MAY BE USED IF APPROVED BY DISTRICT TRAFFIC UNIT.

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

SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS, OR THAT WILL BE PLACED IN A CLOSED LANE, MAY BE MOUNTED ON PORTABLE SUPPORTS.

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

REMOVE PAVEMENT MARKINGS AND PLACE TEMPORARY PAVEMENT MARKING, REMOVABLE TAPE IF LANE CLOSURE IS TO BE IN PLACE FOR 4 OR MORE CONTINUOUS DAYS AND NIGHTS.

ON UNDIVIDED ROADWAYS, OMIT THE SIGNS SHOWN ON LEFT SIDE OF ROAD.

W20-1, G20-1 AND G20-2A SIGNS ARE NOT REQUIRED IF THE LANE CLOSURE IS WITHIN A LARGER WORK ZONE WHERE THESE SIGNS ARE ALREADY PRESENT.

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

CONSIDER GEOMETRICS WHEN LOCATING SIGNS AND ARROWBOARDS SO THE APPROACHING DRIVER HAS A CLEAR VIEW OF THE ARROWBOARDS AND LANE CLOSURE DRUMS.

PLACE THE ARROWBOARD AS CLOSE AS POSSIBLE TO THE BEGINNING OF THE LANE CLOSURE TAPER, PREFERABLY ON THE SHOULDER OR TERRACE.

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

BARRICADES IN A CLOSED LANE 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.

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

TRAFFIC CONTROL, SINGLE LANE CLOSURE, NON-FREEWAY/EXPRESSWAY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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

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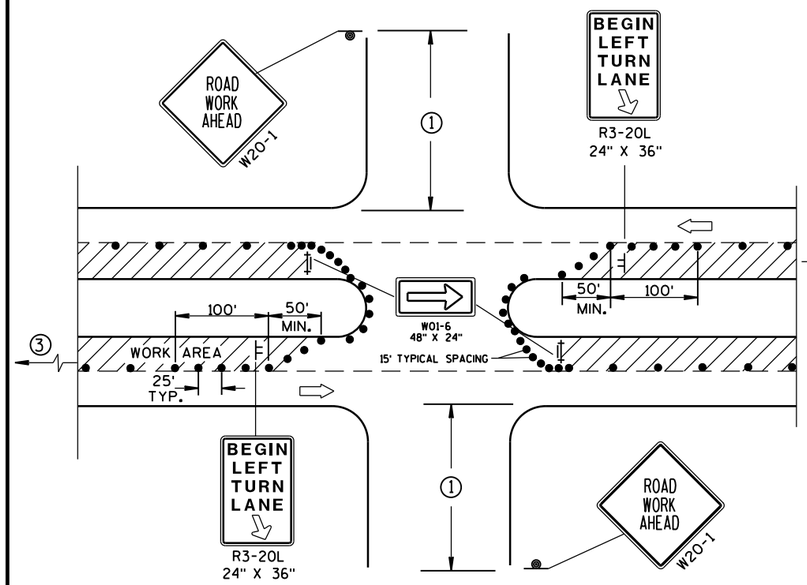
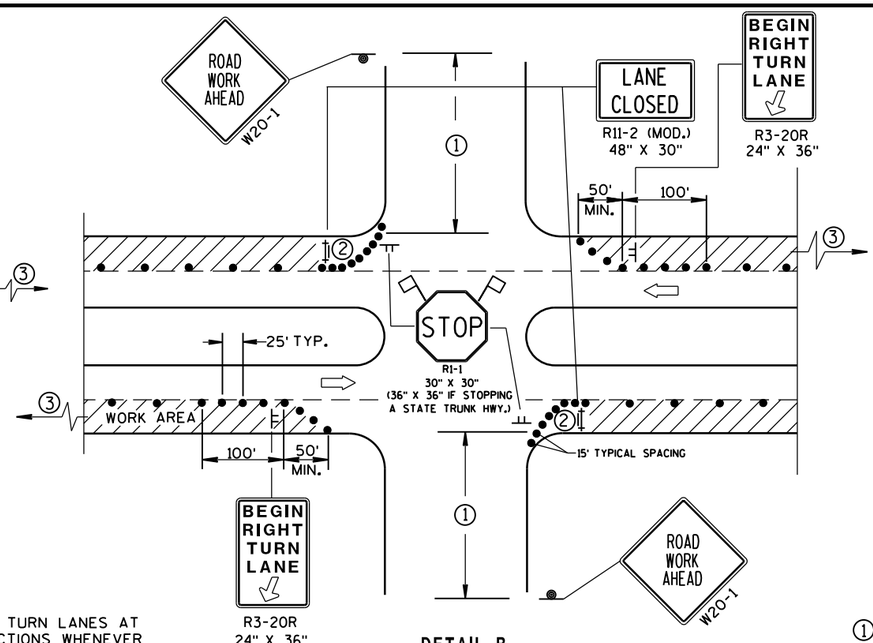


DETAIL A

FOR LEFT LANE CLOSURE AT INTERSECTION OR MEDIAN OPENING

PROVIDE TURN LANES AT INTERSECTIONS WHENEVER STAGING OF WORK ALLOWS. TAPER AND TURN LANE LENGTHS BASED ON FIELD CONDITIONS AS APPROVED BY THE ENGINEER.



DETAIL B

FOR RIGHT LANE CLOSURE AT INTERSECTION

GENERAL NOTES

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

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

ALL SIGNS ARE 48"x48" UNLESS OTHERWISE NOTED. IF NECESSARY DUE TO SPACE CONSTRAINTS IN URBAN AREAS, 36" X 36" SIGNS MAY BE USED IF APPROVED BY DISTRICT TRAFFIC UNIT.

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

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

SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS, OR THAT WILL BE PLACED IN A CLOSED LANE, MAY BE MOUNTED ON PORTABLE SUPPORTS.

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

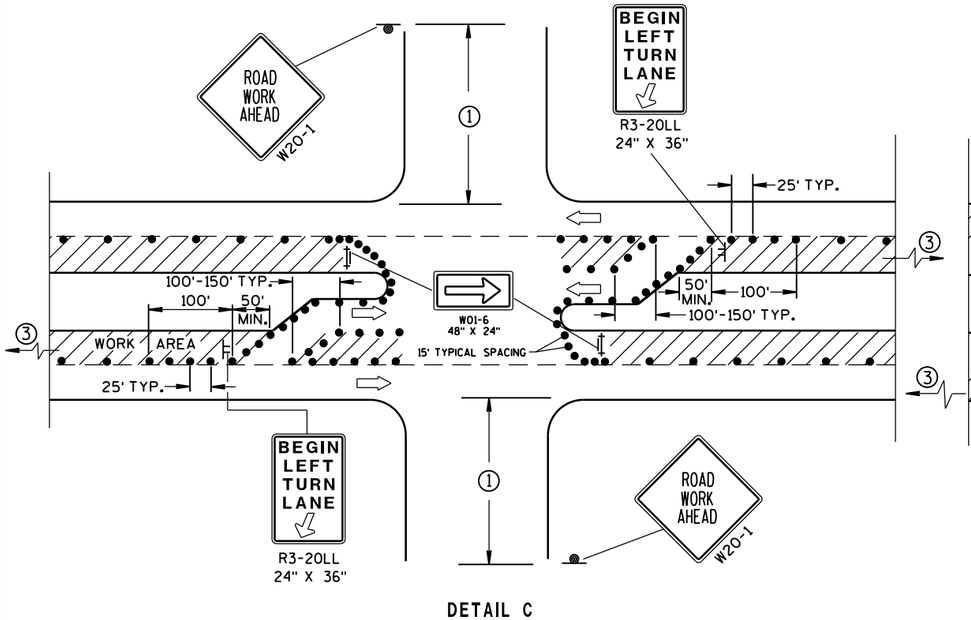
CHANNELIZING DEVICES PLACED ADJACENT TO WORK AREA SHALL BE PULLED BACK FROM THE TRAVEL LANE WHEN WORK IS NOT IN PROGRESS.

BARRICADES IN A CLOSED LANE 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.

① 500' TYPICAL OR AT LAST INTERSECTION, WHICHEVER IS CLOSER.
350' IF 35-40 MPH.
200' IF 25-30 MPH.

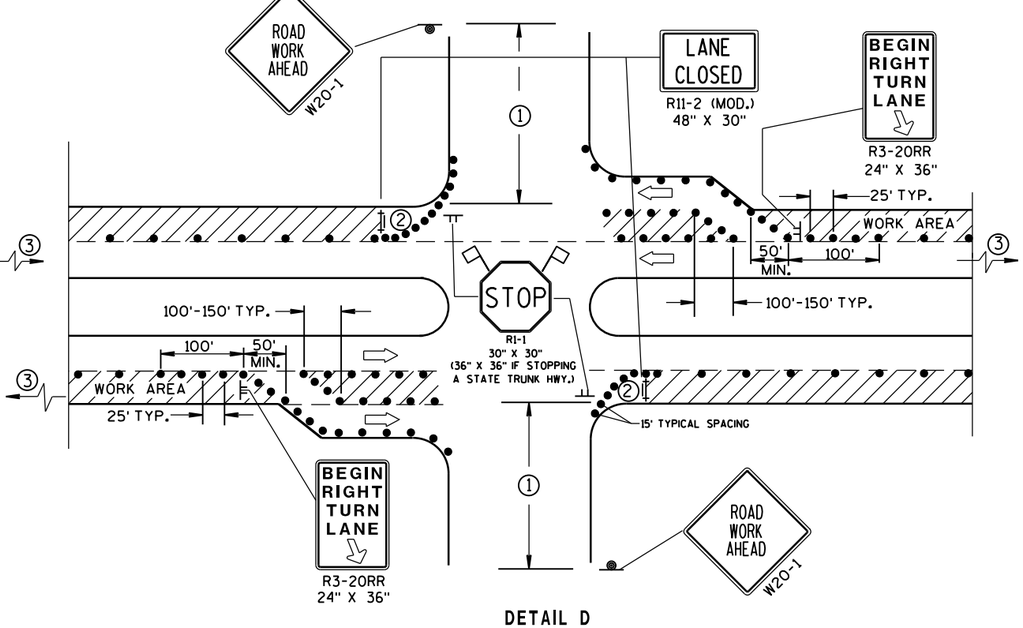
② ALSO USE BARRICADE AND 15-FOOT TYPICAL DRUM SPACING AT COMMERCIAL DRIVEWAYS.

③ SEE SEPARATE LANE CLOSURE DETAIL FOR ADDITIONAL TRAFFIC CONTROL.



DETAIL C

FOR LEFT LANE CLOSURE AT INTERSECTION OR MEDIAN OPENING (WITH LEFT TURN BAY OPEN)



DETAIL D

FOR RIGHT LANE CLOSURE AT INTERSECTION (WITH RIGHT TURN BAY OPEN)

LEGEND

- TRAFFIC CONTROL DRUM
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT (5' MIN. MOUNTING HEIGHT)
- TYPE III BARRICADE WITH ATTACHED SIGN AND TYPE "A" WARNING LIGHT (FLASHING)
- DIRECTION OF TRAFFIC
- FLAGS, 16" X 16" MIN., (ORANGE)
- WORK AREA

TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE LANE CLOSURE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

8/2013 — DATE

/S/ Travis Feltes — STATE TRAFFIC ENGINEER

DESIGN

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GENERAL NOTES

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

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

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

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

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

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

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

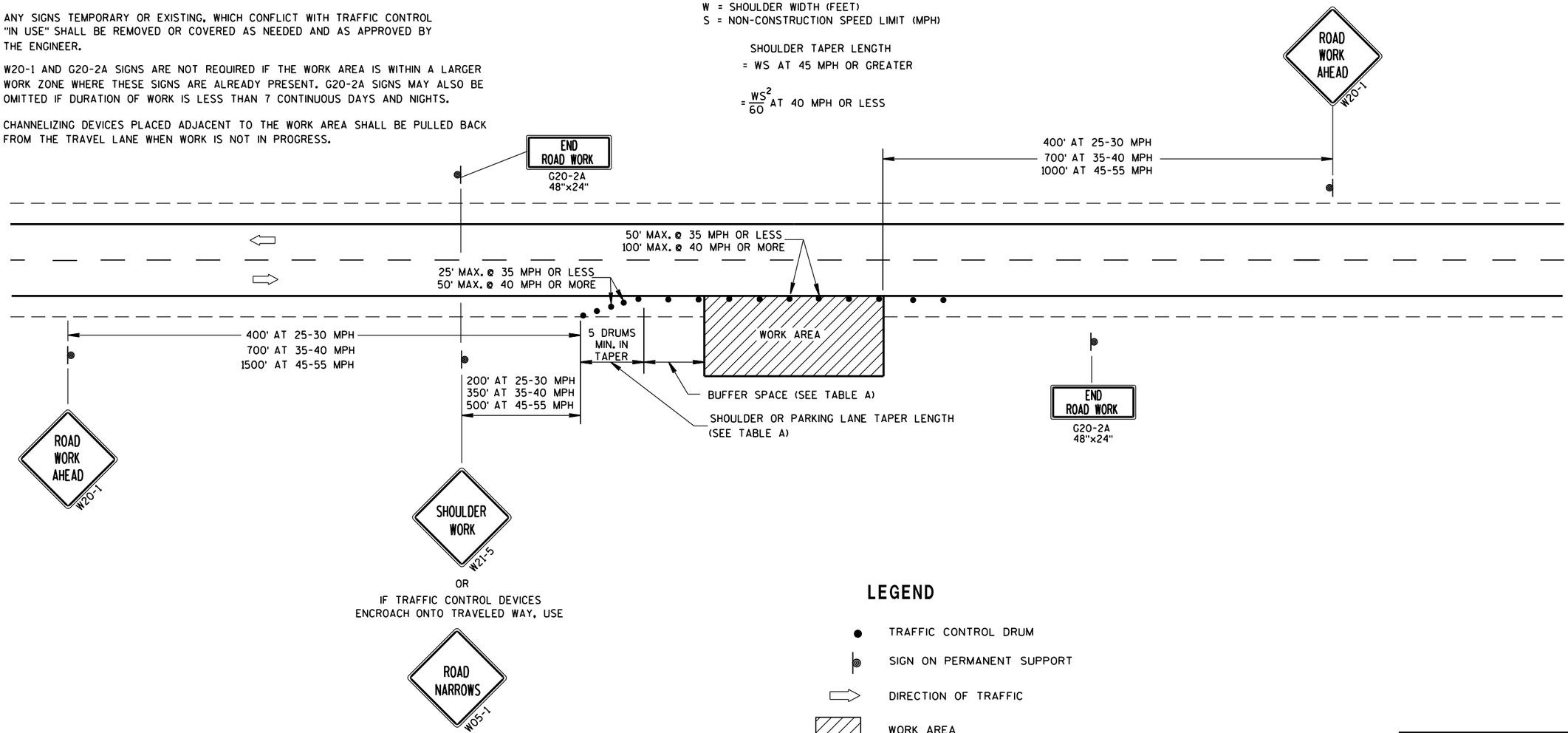
TABLE A

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

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

SHOULDER TAPER LENGTH
= WS AT 45 MPH OR GREATER

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



LEGEND

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

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

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

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

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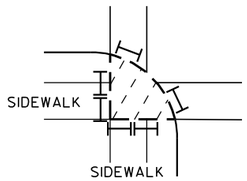
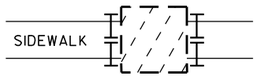
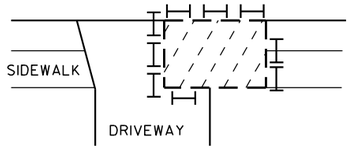
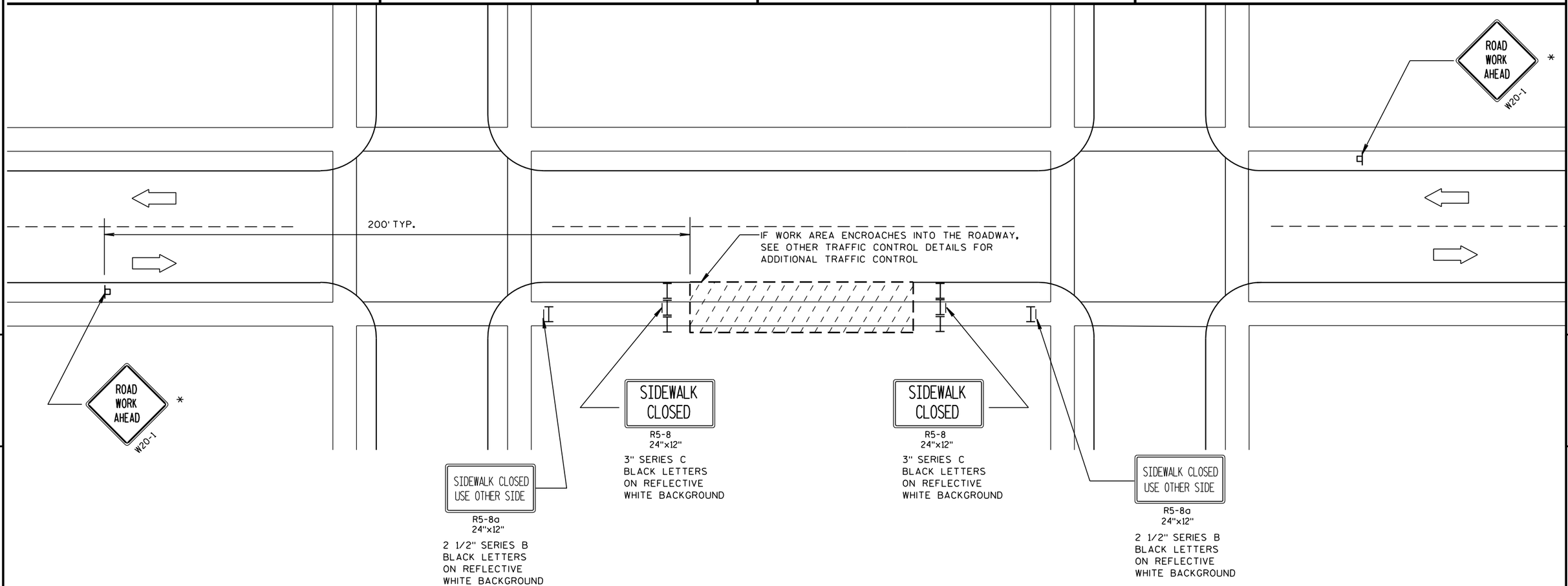
S.D.D. 15 D 28-2

WARNING OF LOCALIZED SIDEWALK WORK AREAS









LEGEND

- POST MOUNTED SIGN
- TYPE II BARRICADE WITH/WITHOUT SIGN (ALL WITH ONE WARNING LIGHT, TYPE A, LOW-INTENSITY FLASHING)
- WORK AREA
- DIRECTION OF TRAFFIC FLOW

GENERAL NOTES :

ALL SIGNS ARE 48"x48" UNLESS OTHERWISE NOTED. IF NECESSARY DUE TO SPACE CONSTRAINTS, 36"x36" SIGNS MAY BE USED INSTEAD OF 48"x48" SIGNS, IF APPROVED BY DISTRICT TRAFFIC UNIT.

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

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

* "ROAD WORK AHEAD" SIGNS ARE NOT REQUIRED IF THE SIDEWALK CLOSURE OCCURS WITHIN A LARGER WORK ZONE WHERE ADVANCE WARNING SIGNS ARE ALREADY PRESENT, OR IF THE WORK AREA AND EQUIPMENT ARE MORE THAN 2 FEET BEHIND THE CURB.

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

TRAFFIC CONTROL, SIDEWALK CLOSURE

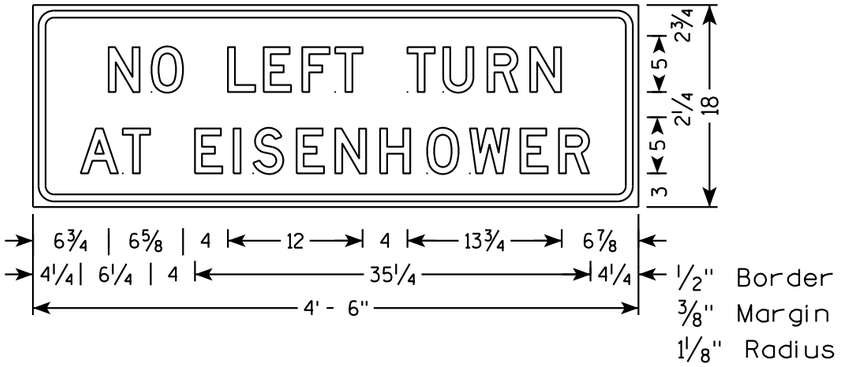
TRAFFIC CONTROL, SIDEWALK CLOSURE

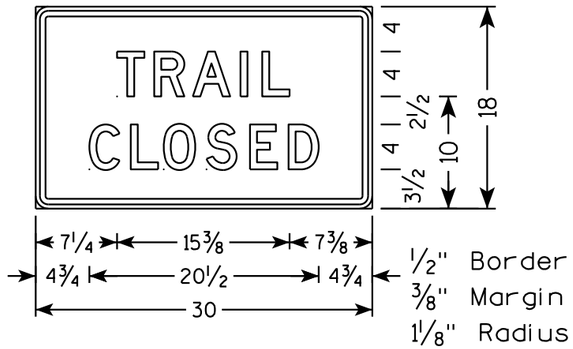
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
5/23/2000 DATE
/S/ Chester J. [illegible]
CHIEF SIGNS AND MARK[illegible] ENGINEER
FHWA

6

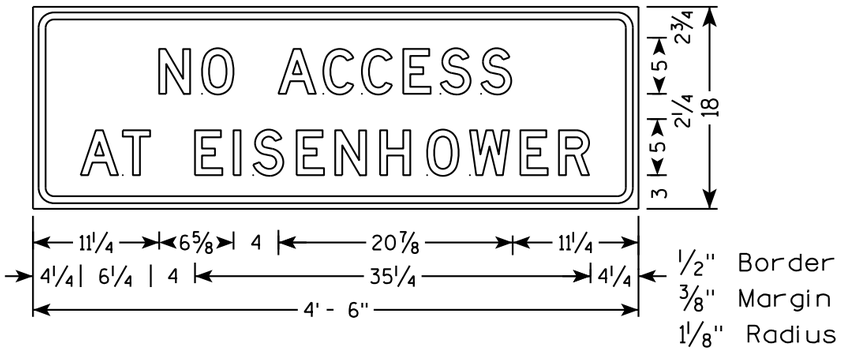
S.D.D. 15 D 30-1

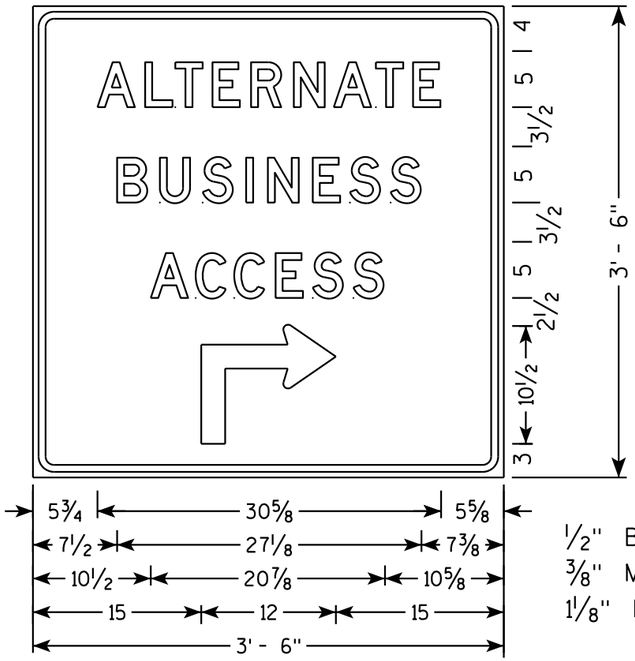


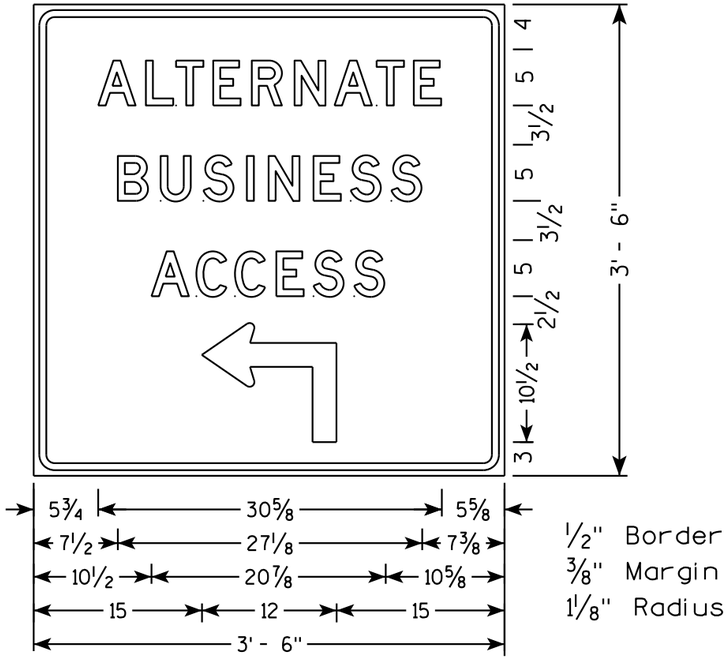


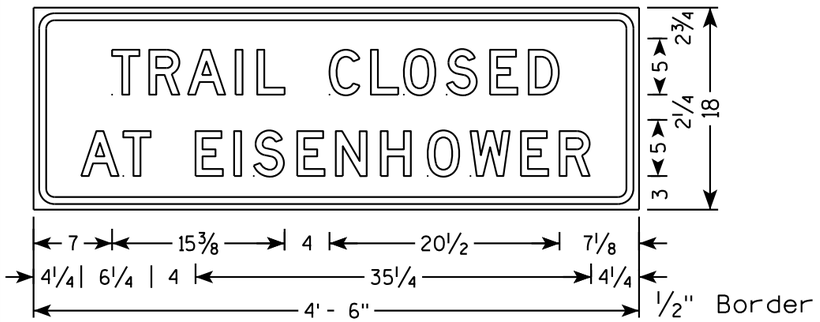
NOTES

1. All Signs Type II - Type H Reflective
2. Color:
   Background - WHITE
   Message - BLACK
3. Message Series - D









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PROJECT NO: 4160-05-71	HWY: CTH CE	COUNTY: OUTAGAMIE	TEMPORARY SIGNING DETAILS	SHEET NO: E

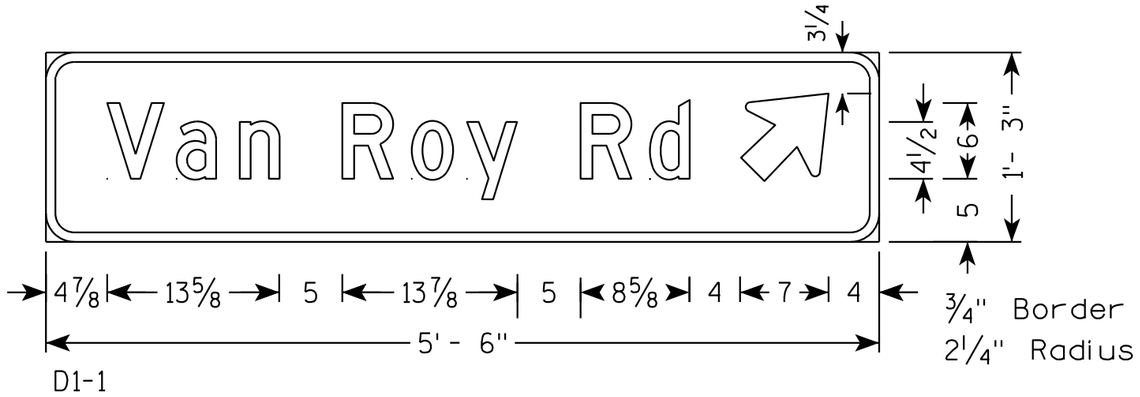
FILE NAME : N:\spo\traffic\SIGNING\Projects\General Signing\3444A014.dgn PLOT DATE : 23-OCT-2014 13:12 PLOT BY : dotj1f PLOT NAME : PLOT SCALE : 13.5:1 WISDOT/CADDS

42

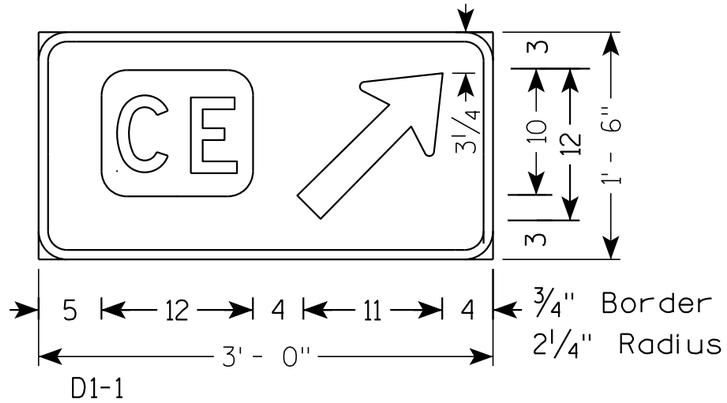
7

NOTES

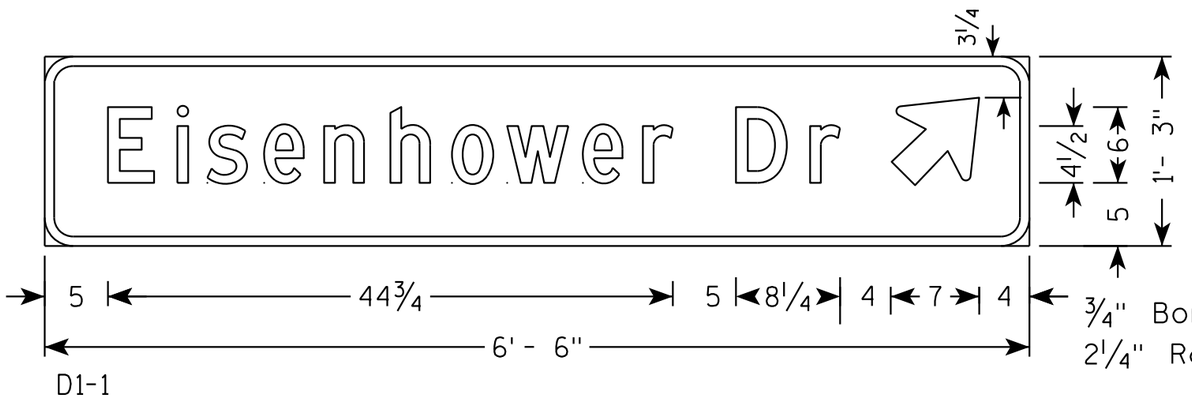
1. All Sign Type II - Type H Reflective
2. Color:
   Background - GREEN
   Message - WHITE
3. Message Series - D



D1-1



D1-1



D1-1

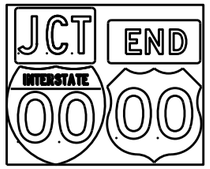
7

7

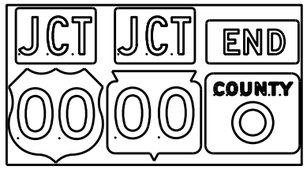
PROJECT NO: 4160-05-71	HWY: CTH CE	COUNTY: OUTAGAMIE	PERMANENT SIGNING	SHEET NO: 231	E

TYPICAL ASSEMBLIES

J1-1

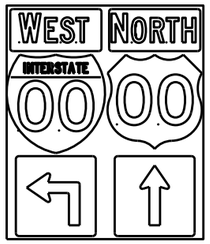


J1-2

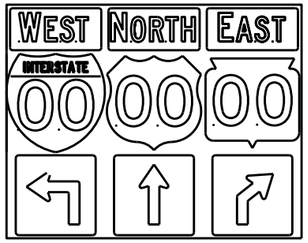


J1-3

J2-1



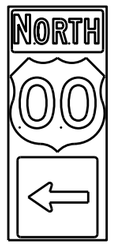
J2-2



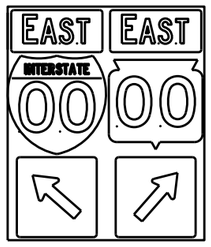
J2-3

JV

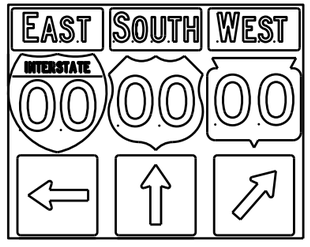
(Typical Vertical J-Assembly
See Note 10 and 11)



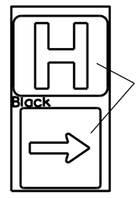
J3-1



J3-2



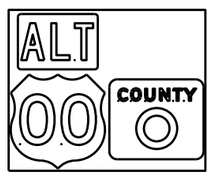
J3-3



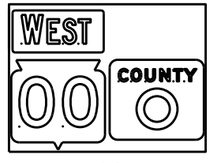
Blue Background

JH-1

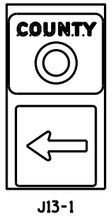
J4-1



J4-2



J4-2



J13-1

J12-1

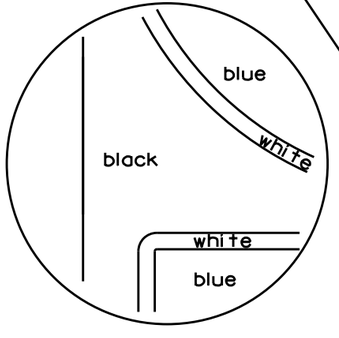
J32-1

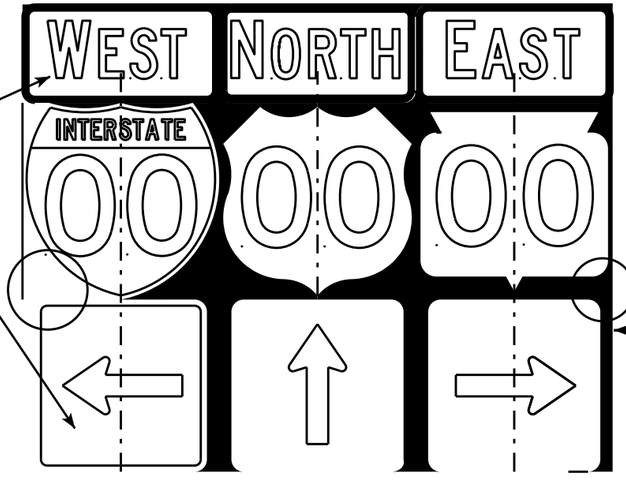
J33-1

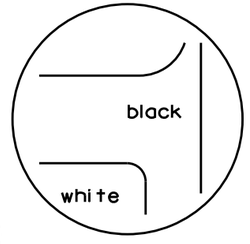
J23-1

J22-1

[blue background with interstate]







[black background]

NOTES

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

ROUTE MARKERS & COMPONENTS
IN TYPICAL ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

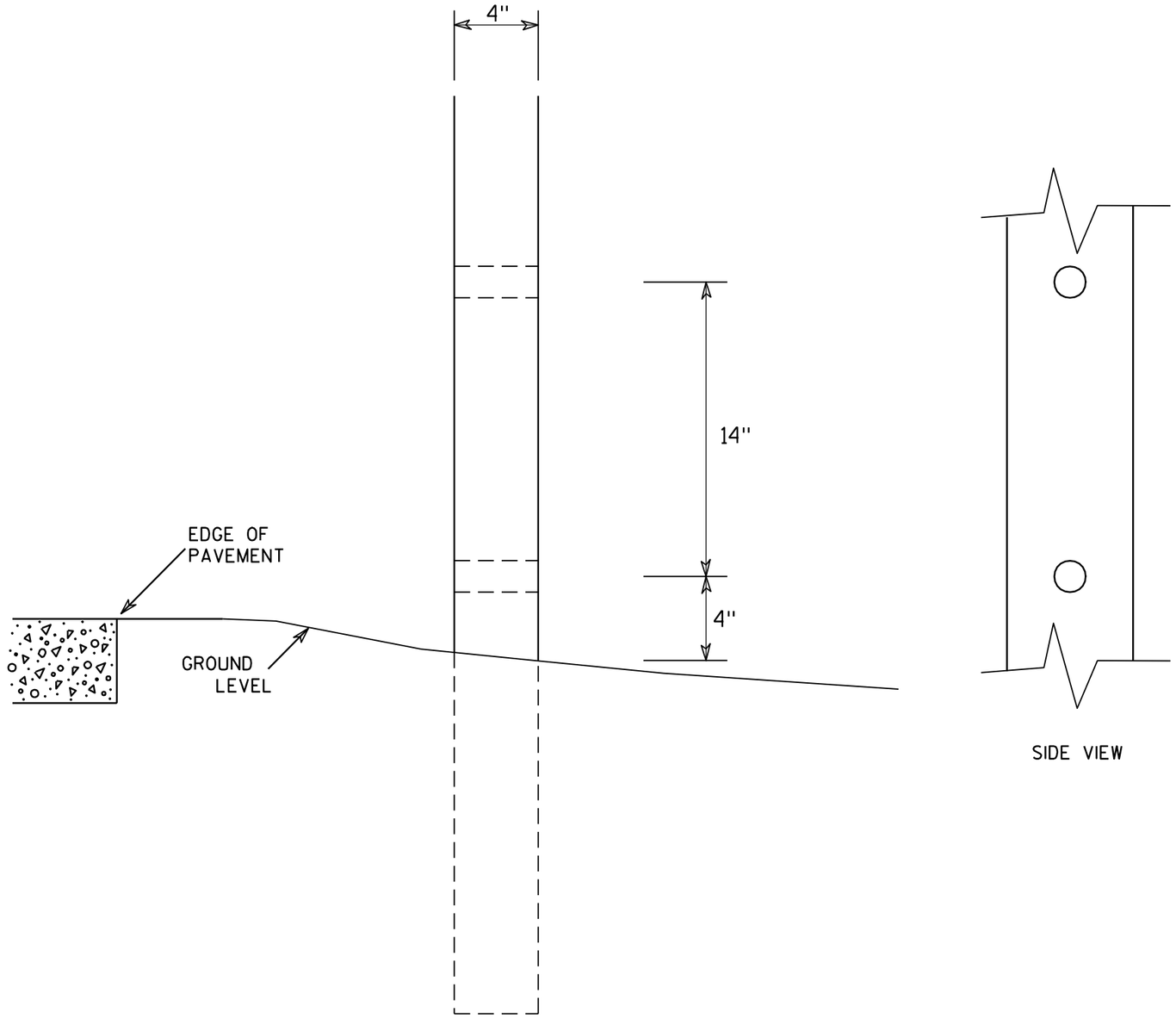
APPROVED Matthew R Rauch
for State Traffic Engineer

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

PROJECT NO: SHEET NO: E

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

WISDOT/CADDS SHEET 42



SIDE VIEW

GENERAL NOTES

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

7

7

4 X 6 WOOD POST MODIFICATIONS

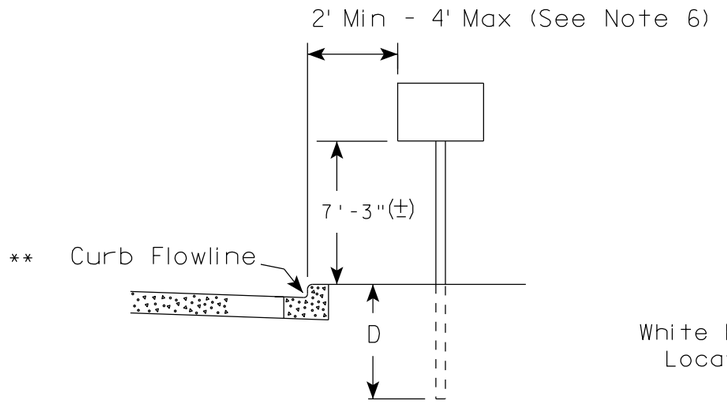
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Chester J Spang for State Traffic Engineer

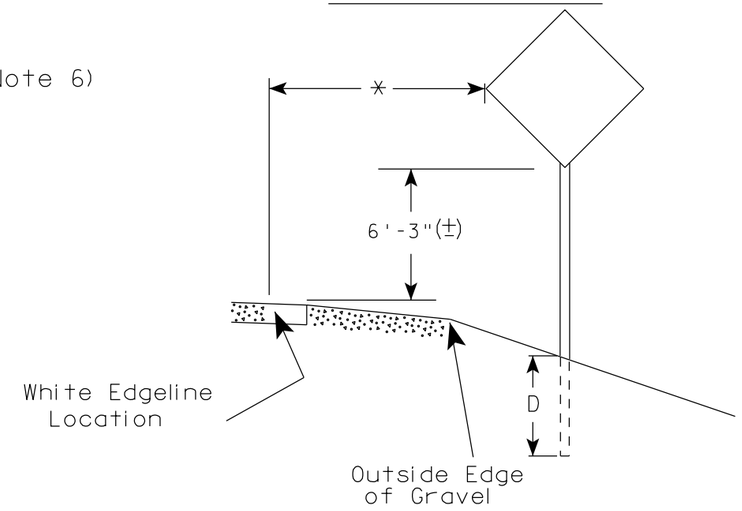
DATE 3/27/97 PLATE NO. A4-11.2

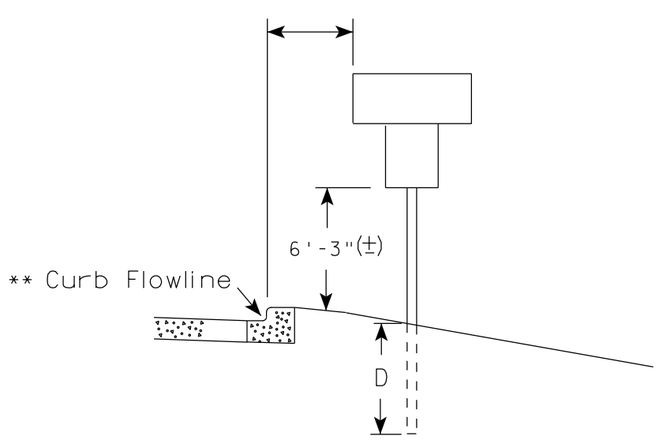
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 233	E

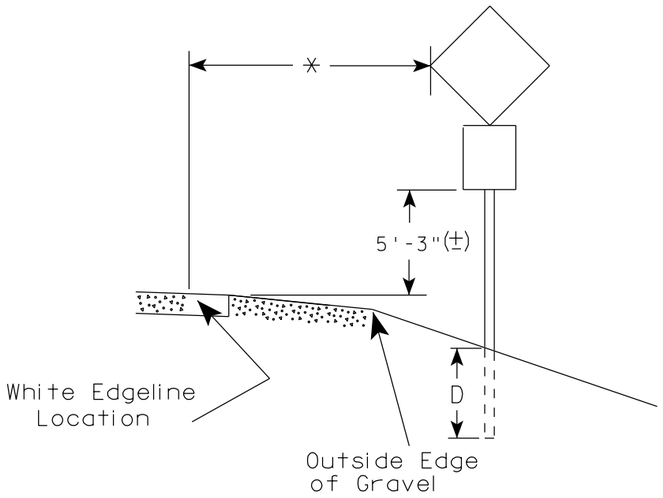
URBAN AREA



RURAL AREA (See Note 2)







** The existence of curb and gutter does not in itself mandate the vertical clearance illustrated. That height is typically measured where there is sidewalk adjacent to the roadway or parking is permitted. In the absence of sidewalk vertical clearance is measured from the top of the curb. Offset of signs is measured from the flow line.

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

POST EMBEDMENT DEPTH

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

GENERAL NOTES

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

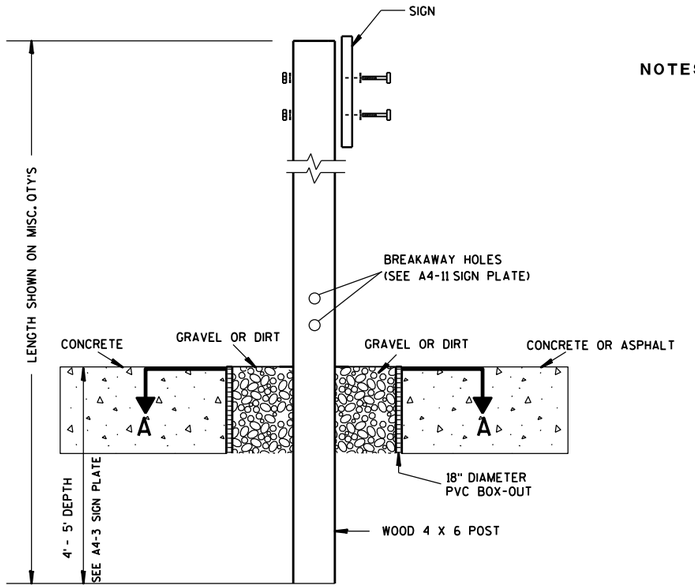
TYPICAL INSTALLATION OF PERMANENT TYPE II SIGNS ON SINGLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/12/14 PLATE NO. A4-3.19

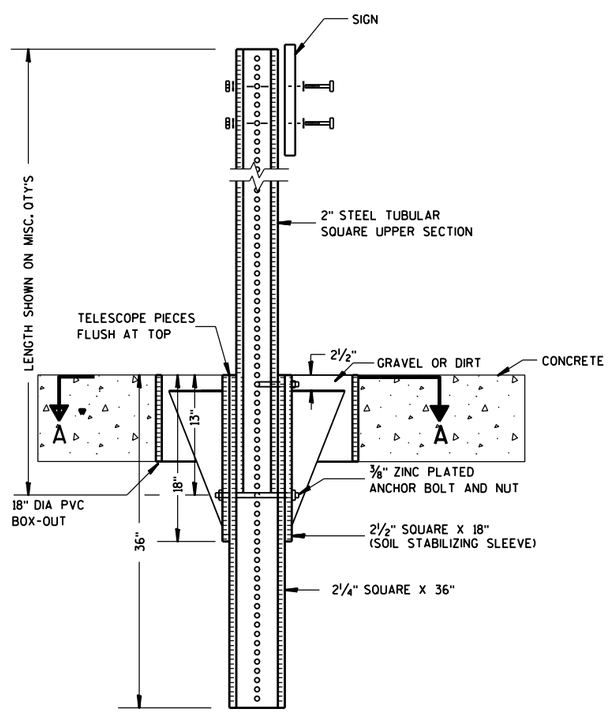
PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E



ELEVATION VIEW

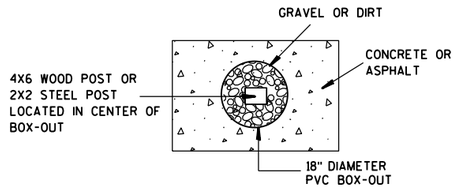
DETAIL OF WOOD 4 X 6 SIGN POST IN BOX-OUT

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



ELEVATION VIEW

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



PLAN VIEW

FOR NEW CONCRETE/ASPHALT INSTALLATIONS

SIGN POST BOX-OUTS A4-3B

WISCONSIN DEPT OF TRANSPORTATION

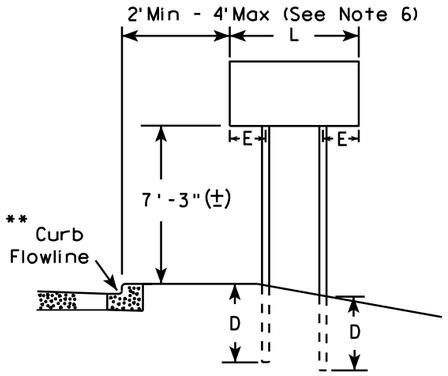
APPROVED Matthew R Rauch
for State Traffic Engineer

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

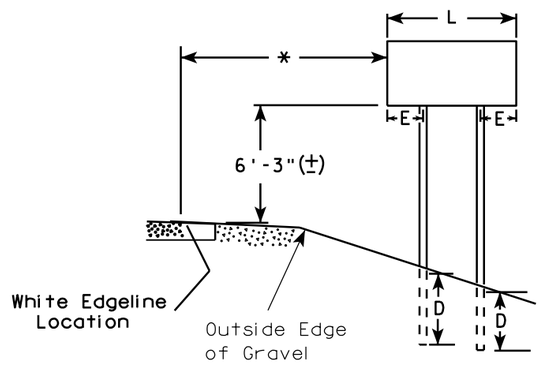
PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

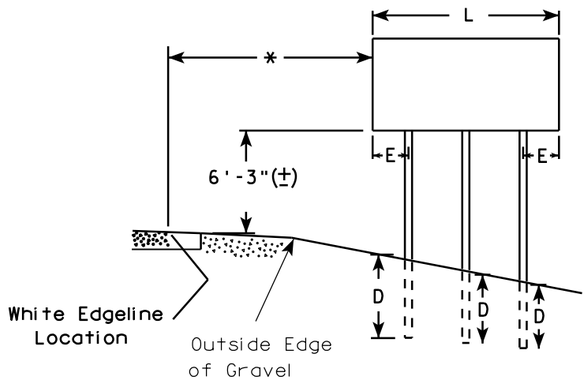
FILE NAME : C:\CAEFiles\Projects\tr_stdplate\A43B.DGN PLOT DATE : 27-JAN-2014 09:48 PLOT BY : mscsja PLOT NAME : PLOT SCALE : 13.659812:1.000000 WISDOT/CADDS SHEET 42

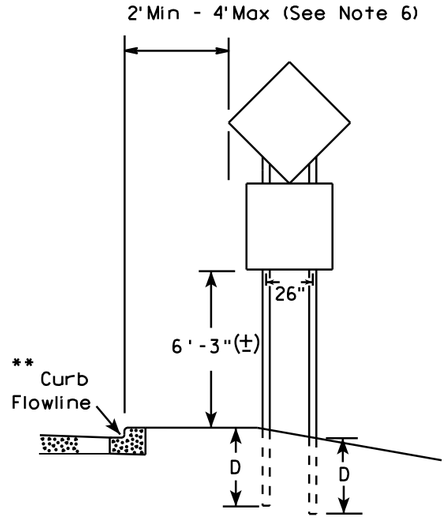
URBAN AREA



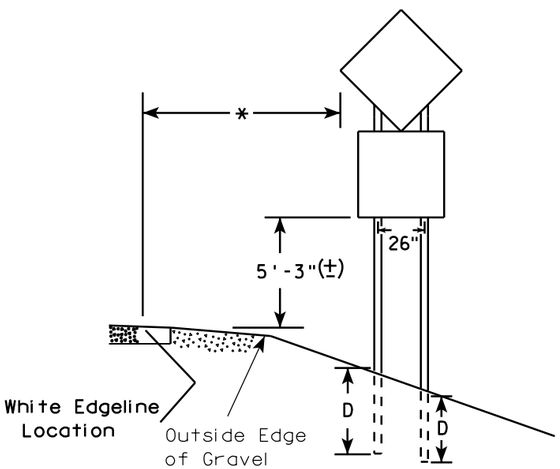
RURAL AREA (See Note 3)







48" DIAMOND WARNING SIGN



48" DIAMOND WARNING SIGN

GENERAL NOTES

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

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

** The existence of curb and gutter does not in itself mandate the vertical clearance illustrated. That height is typically measured where there is sidewalk adjacent to the roadway or parking is permitted. In the absence of sidewalk vertical clearance is measured from the top of the curb. Offset of signs is measured from the flow line.

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

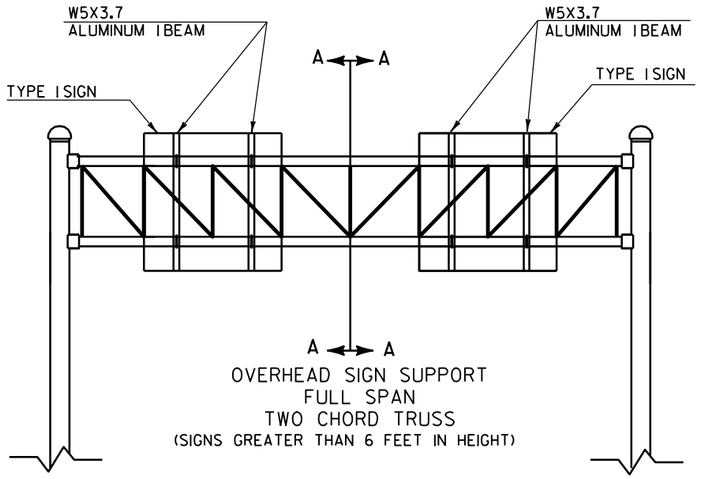
TYPICAL INSTALLATION OF TYPE II SIGNS ON MULTIPLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

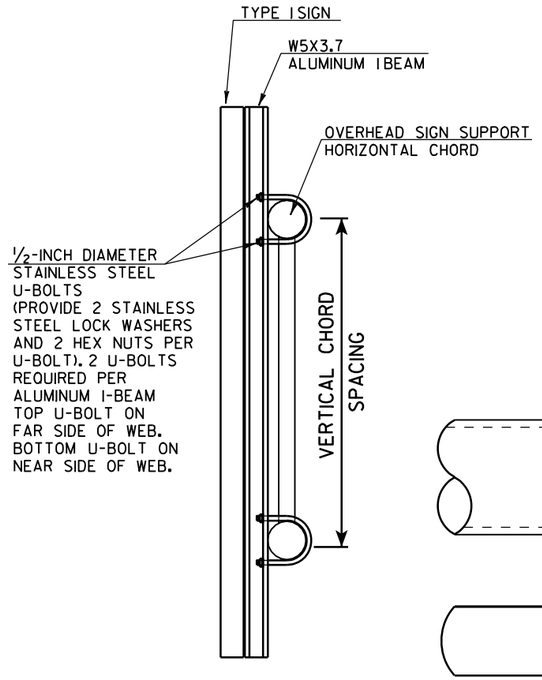
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/12/14 PLATE NO. A4-4 13-236

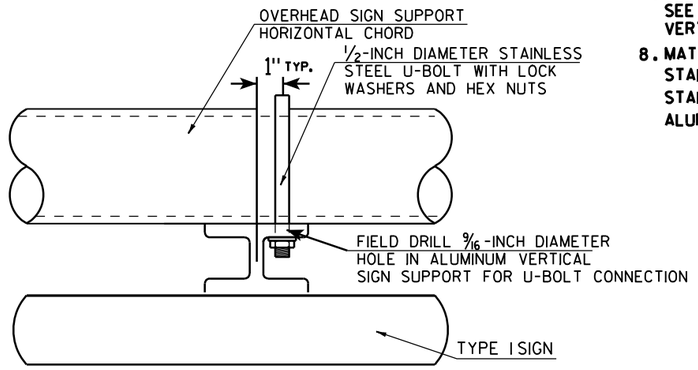
PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E



OVERHEAD SIGN SUPPORT
FULL SPAN
TWO CHORD TRUSS
(SIGNS GREATER THAN 6 FEET IN HEIGHT)



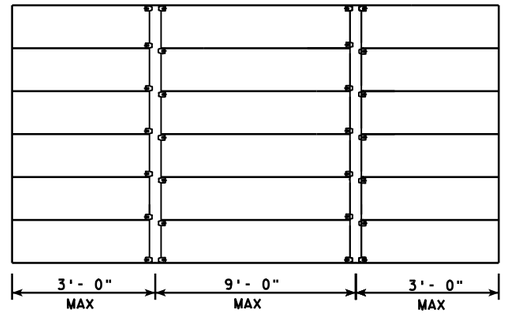
CUT SECTION A-A



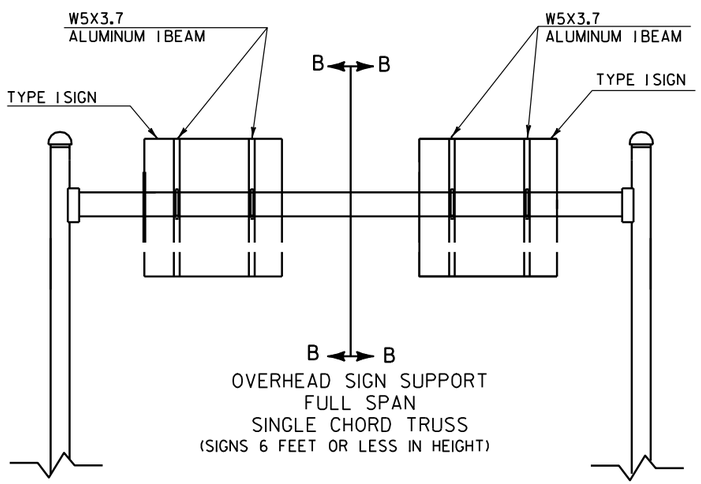
TYPICAL SIGN CONNECTION FOR
TWO CHORD TRUSS
PLAN VIEW

GENERAL NOTES

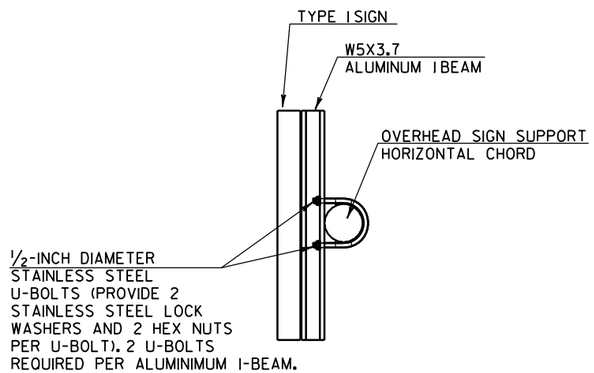
1. USE STAINLESS STEEL U-BOLTS, WASHERS, AND NUTS.
2. USE CLIPS ON EVERY EXTRUDED PANEL JOINT PER SIGN PLATE A4-6.
3. USE ALUMINUM VERTICAL SIGN SUPPORT BEAMS HAVING A 5 INCH BEAM DEPTH AND WEIGHT OF 3.7 LBS PER FOOT.
4. U-BOLTS SHALL BE STAINLESS STEEL AND MANUFACTURED TO THE PROPER SIZE TO FIT THE CHORDS OF THE OVERHEAD SIGN STRUCTURE.
5. DIAMETER OF U-BOLTS SHALL BE AS SHOWN.
6. THE LENGTH OF THE ALUMINUM VERTICAL SIGN SUPPORT BEAMS SHALL BE THE SAME AS THE HEIGHT OF THE SIGN THEY ARE SUPPORTING. BEAM LENGTHS MAY BE LONGER FOR PROPER ATTACHMENT TO CHORDS.
7. MINIMUM NUMBER OF BRACKETS PER SIGN IS TWO. SEE DETAIL BELOW FOR SPACING OF ALUMINUM VERTICAL SIGN SUPPORTS
8. MATERIAL NOTES:
   STAINLESS STEEL U-BOLTS AND LOCKWASHERS ASTM 304.
   STAINLESS STEEL HEX NUTS ASTM A276.
   ALUMINUM I-BEAMS ARE 6061-T6.



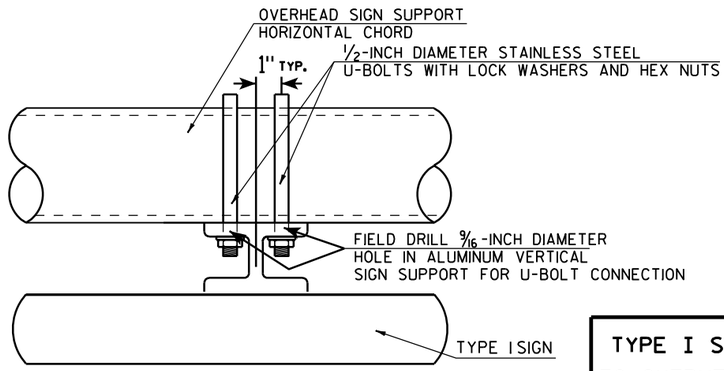
SPACING OF W5X3.7 ALUMINUM
VERTICAL SIGN SUPPORT



OVERHEAD SIGN SUPPORT
FULL SPAN
SINGLE CHORD TRUSS
(SIGNS 6 FEET OR LESS IN HEIGHT)



CUT SECTION B-B



TYPICAL SIGN CONNECTION FOR
SINGLE CHORD TRUSS
PLAN VIEW

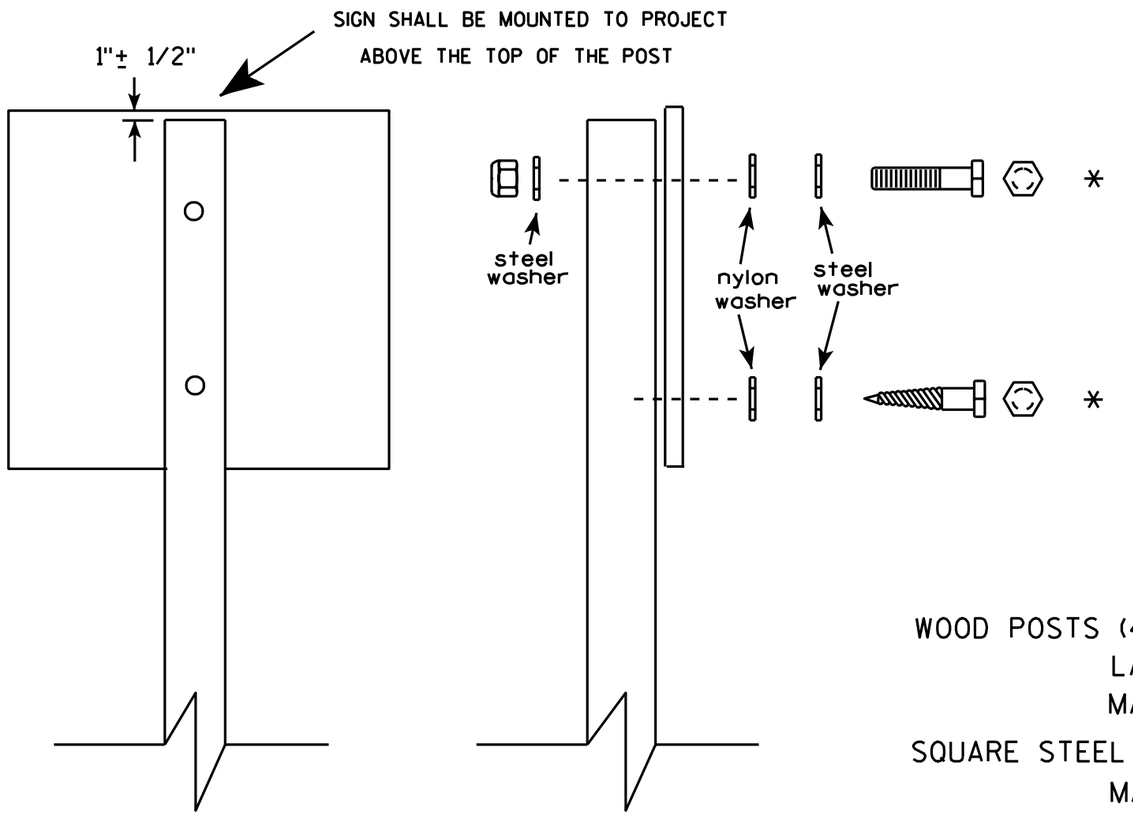
TYPE I SIGN CONNECTION TO OVERHEAD SIGN SUPPORT

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/12/12 PLATE NO. A4-7.3

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 237	E



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

a. Hot dip galvanized in accordance with ASTM Designation: A 153, Class D, or SC 3

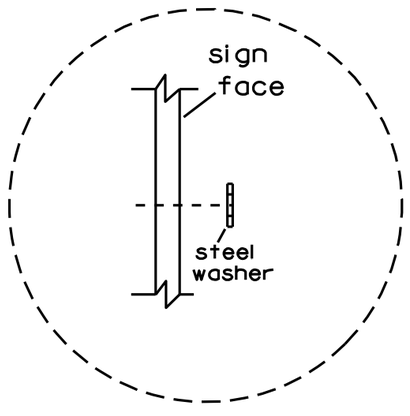
b. Electro-galvanized in accordance with ASTM Designation : B 633, TYPE III, SC 3.

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

WOOD POSTS (4" x 4" or 4" x 6")
LAG SCREWS - 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

7

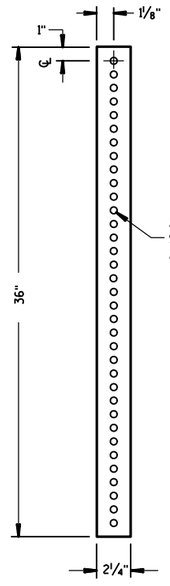
7

PROJECT NO:

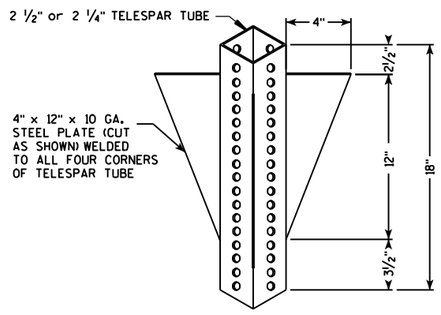
SHEET NO: 238 E

TELESCOPIC TUBING ANCHORS
TWO PIECE SYSTEM

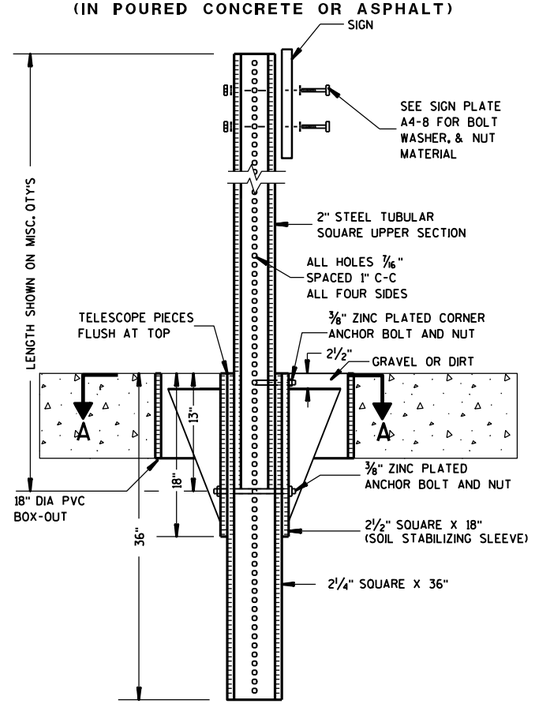
2 1/4 " SQUARE
12 GAUGE
PERFORATED
GALVANIZED FINISH



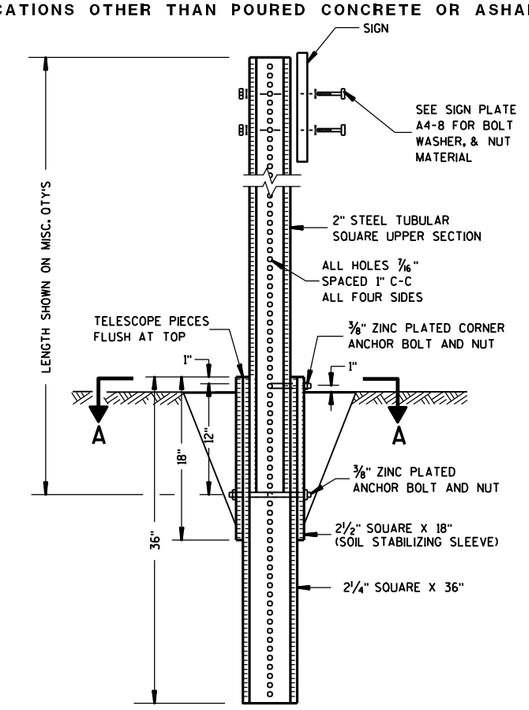
2 1/2 " SQUARE
12 GAUGE
OMNI-DIRECTIONAL
PERFORATED
SOIL STABILIZING SLEEVE
GALVANIZED FINISH

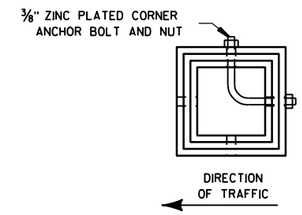


DETAIL OF TUBULAR STEEL SIGN POST
(IN POURED CONCRETE OR ASPHALT)



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





SECTION A-A

Area of Sign Installation (Sq. Ft.)	Number of Required Posts
9 or less	1
Greater than 9 less than or equal to 18	2
Greater than 18 less than or equal to 27	3

Signs wider than 3 feet or larger than 9 sq. ft shall be mounted on multiple posts (see above table).

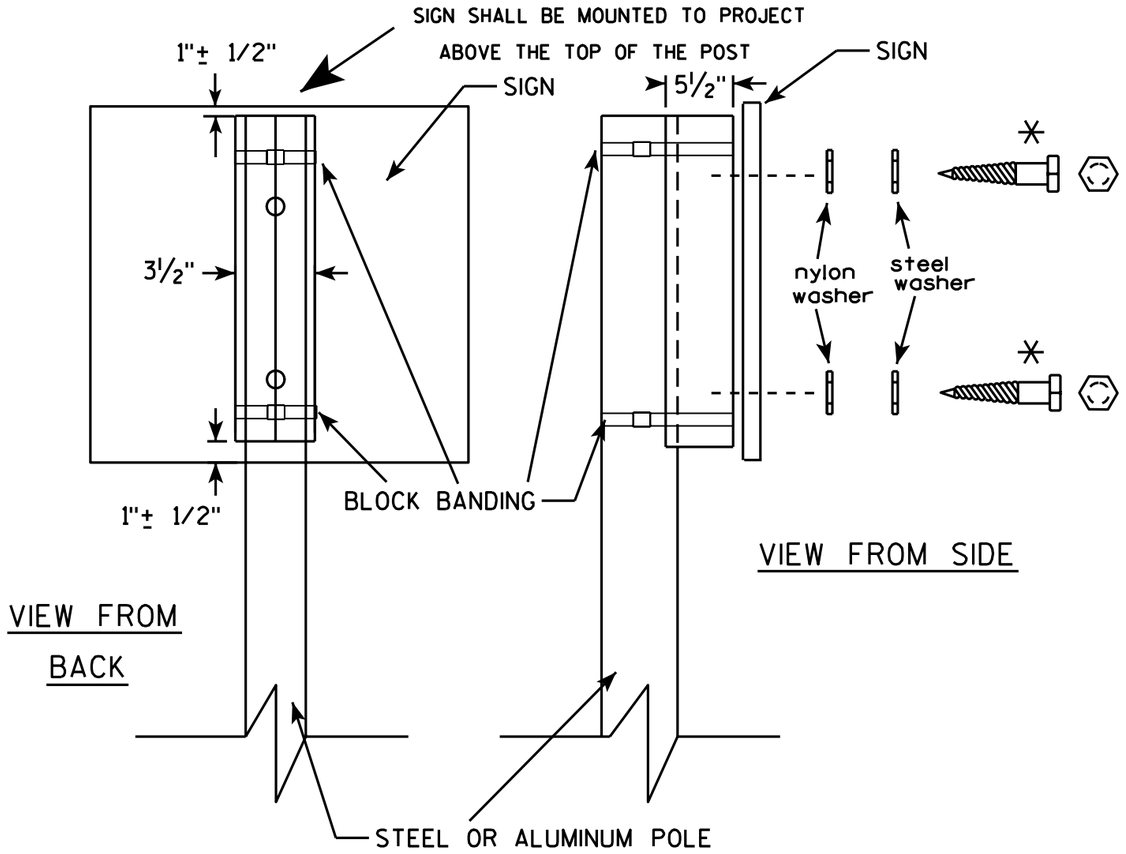
TUBULAR STEEL SIGN POST A4-9

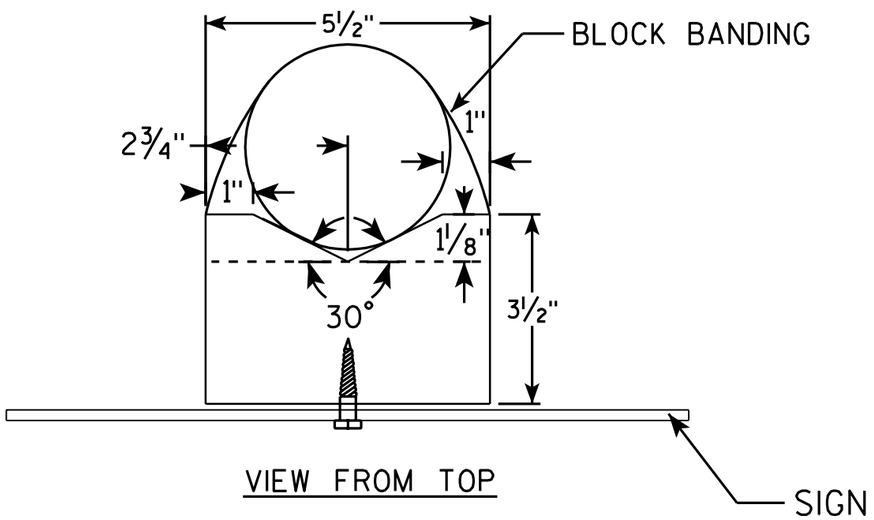
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/30/12 PLATE NO. A4-9.7

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 239	E





GENERAL NOTES

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

✳ LAG BOLTS SHALL BE ⅜" X 2½"

BLOCK BANDING DETAIL (V-BLOCK OPTION)

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

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

PROJECT NO:

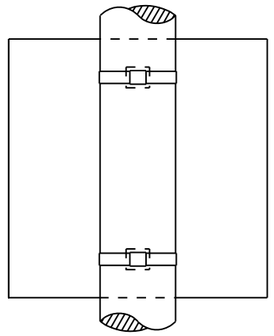
SHEET NO: 240 E

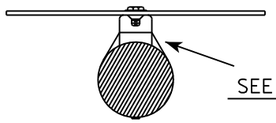
FILE NAME : C:\Users\Projects\tr_stdplate\A510.dgn PLOT DATE : 06-AUG-2007 13:37 PLOT BY : ditjph

WISDOT/CADDS SHEET 42

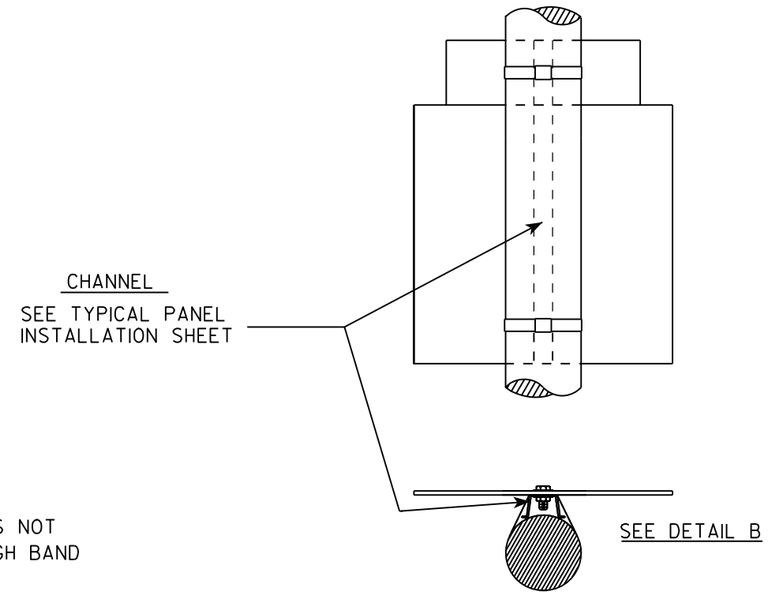
BANDING

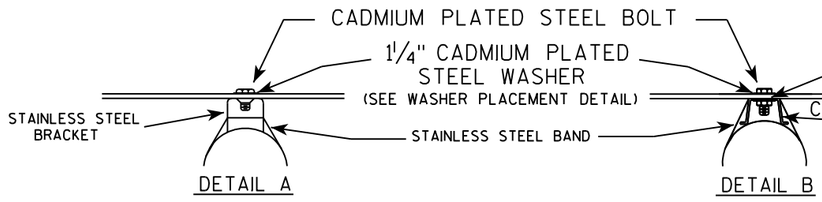
SINGLE SIGN



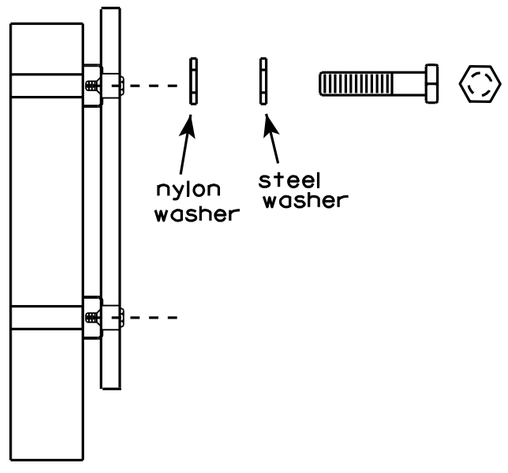


"J" ASSEMBLY





WASHER PLACEMENT



WASHERS (ALL POSTS) -
1-1/4" O.D. X 3/8" I.D. X 1/16" STEEL
1-1/4" O.D. X 3/8" I.D. X .080 NYLON
FOR ALL TYPE H SIGNS

GENERAL NOTES

1. Any sign over 3 feet in width shall use the V-Block banding method. See A5-10 standard plate.
2. Signs 3 feet or greater in height shall have three bracket bands installed. Signs less than 3 feet in height shall have two bracket bands installed.
3. Banding and assembly bracket shall be stainless steel. All bands shall be 3/4" in width and 0.025" thickness.

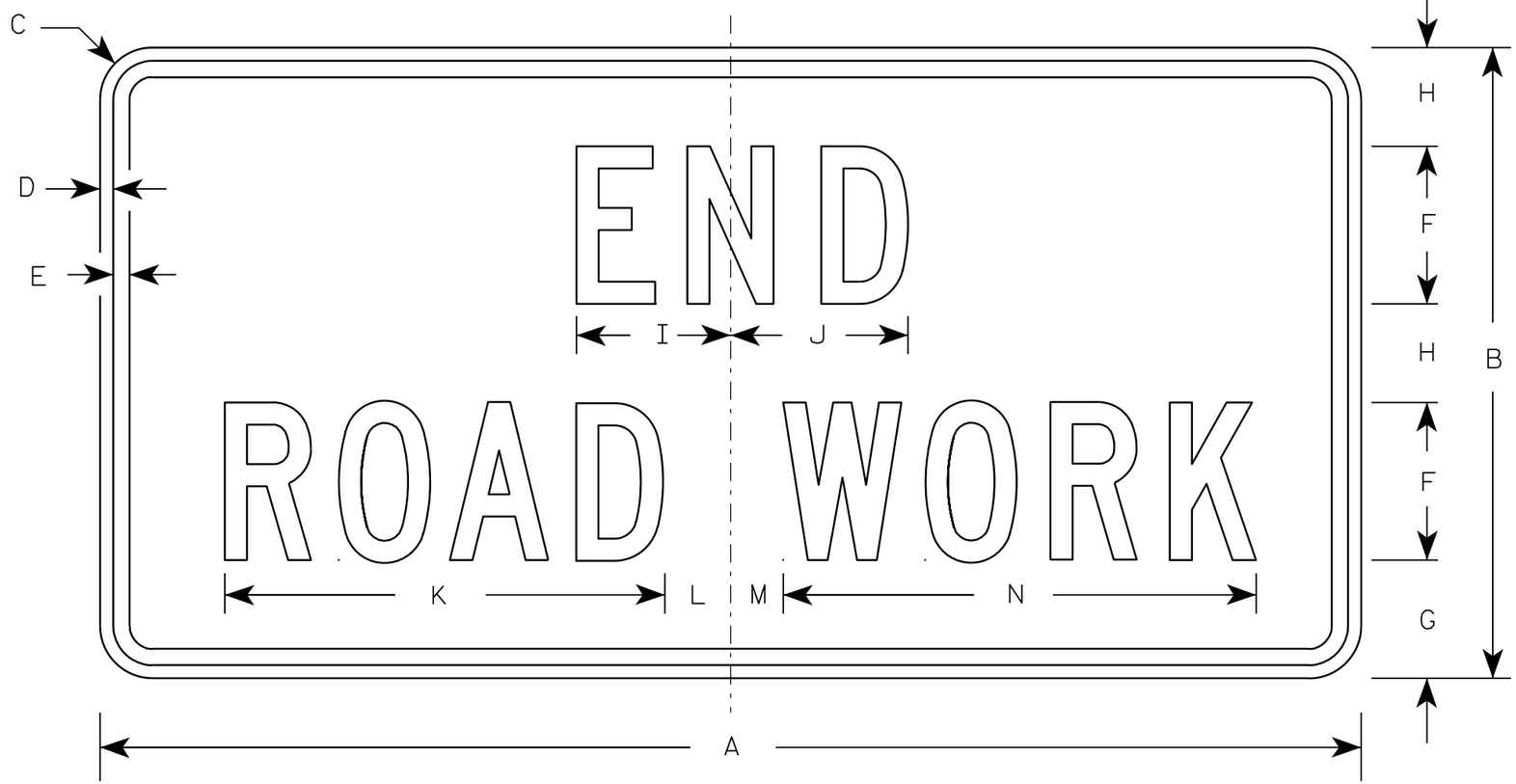
STANDARD SIGN
SIGN BANDING DETAILS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

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

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 241	E



G20-2A

NOTES

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

Metric equivalent for this sign is:

SIZE	
1	900 mm X 450 mm
2	1200 mm X 600 mm
3	1200 mm X 600 mm
4	1200 mm X 600 mm
5	1200 mm X 600 mm

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.	Area m2
1	36	18	1 1/8	3/8	1/2	4	3 3/4	2 1/2	4 1/8	4 1/8	11 1/8	2	1	12 1/8													4.5	0.41
2	48	24	1 1/2	1/2	5/8	6	4 1/2	3 3/4	5 7/8	6 3/4	16 3/4	2 1/2	1 3/4	18 1/2													8.0	0.72
3	48	24	1 1/2	1/2	5/8	6	4 1/2	3 3/4	5 7/8	6 3/4	16 3/4	2 1/2	1 3/4	18 1/2													8.0	0.72
4	48	24	1 1/2	1/2	5/8	6	4 1/2	3 3/4	5 7/8	6 3/4	16 3/4	2 1/2	1 3/4	18 1/2													8.0	0.72
5	48	24	1 1/2	1/2	5/8	6	4 1/2	3 3/4	5 7/8	6 3/4	16 3/4	2 1/2	1 3/4	18 1/2													8.0	0.72

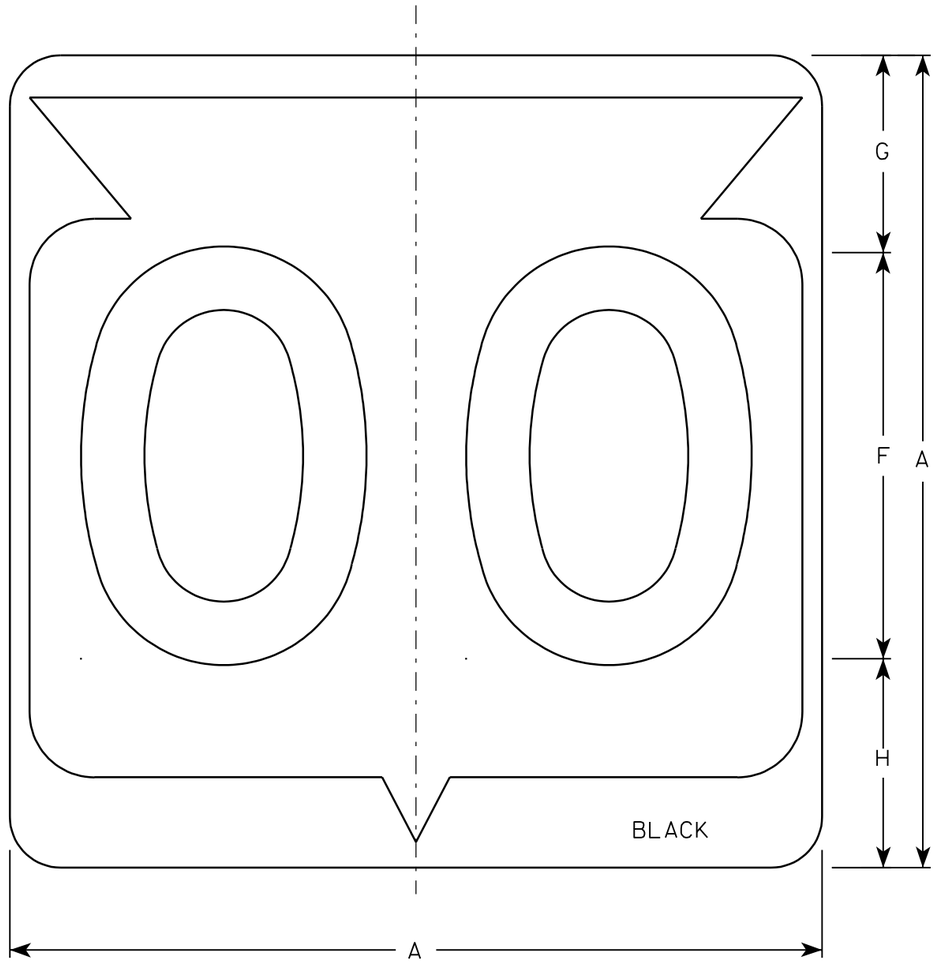
STANDARD SIGN
G20-2A

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 9/30/09 PLATE NO. G20-2A.8

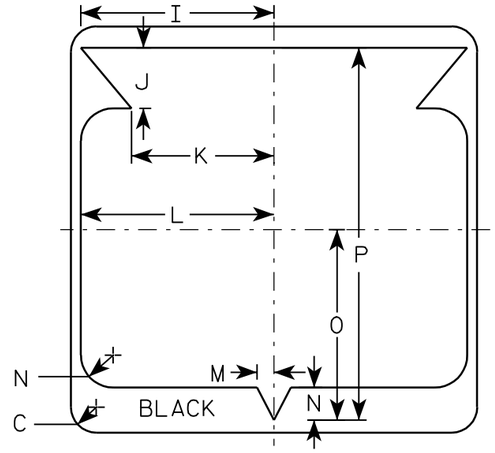
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 242	E



M1-6

NOTES

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



Metric equivalent for this sign is:

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

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

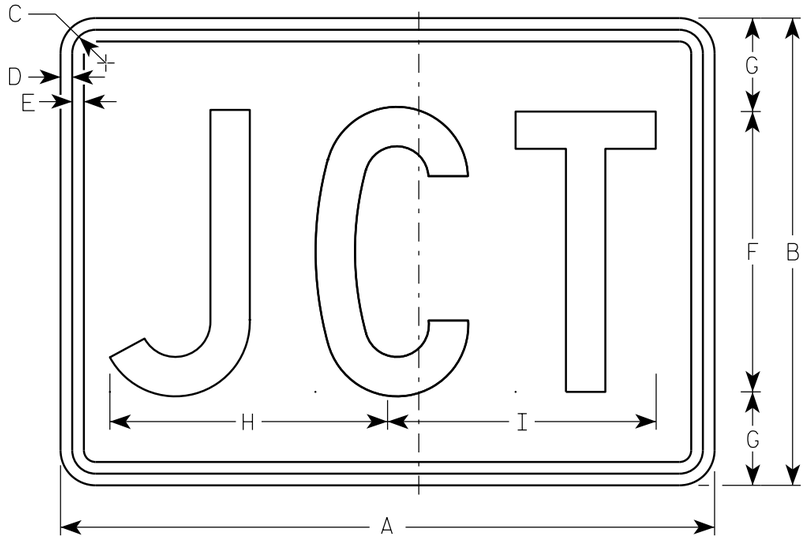
STATE ROUTE MARKER M1-6 FOR ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

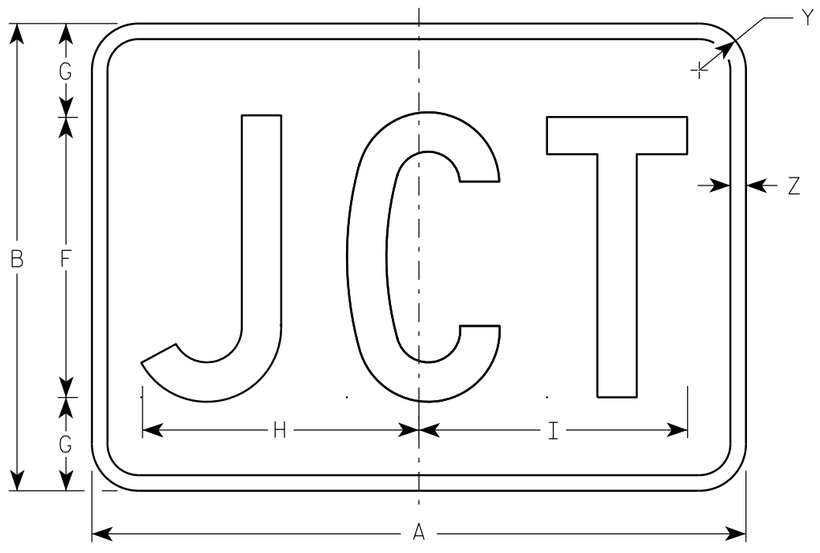
APPROVED Chester J Spang for State Traffic Engineer

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

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 243	E



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



MB2-1

NOTES

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

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

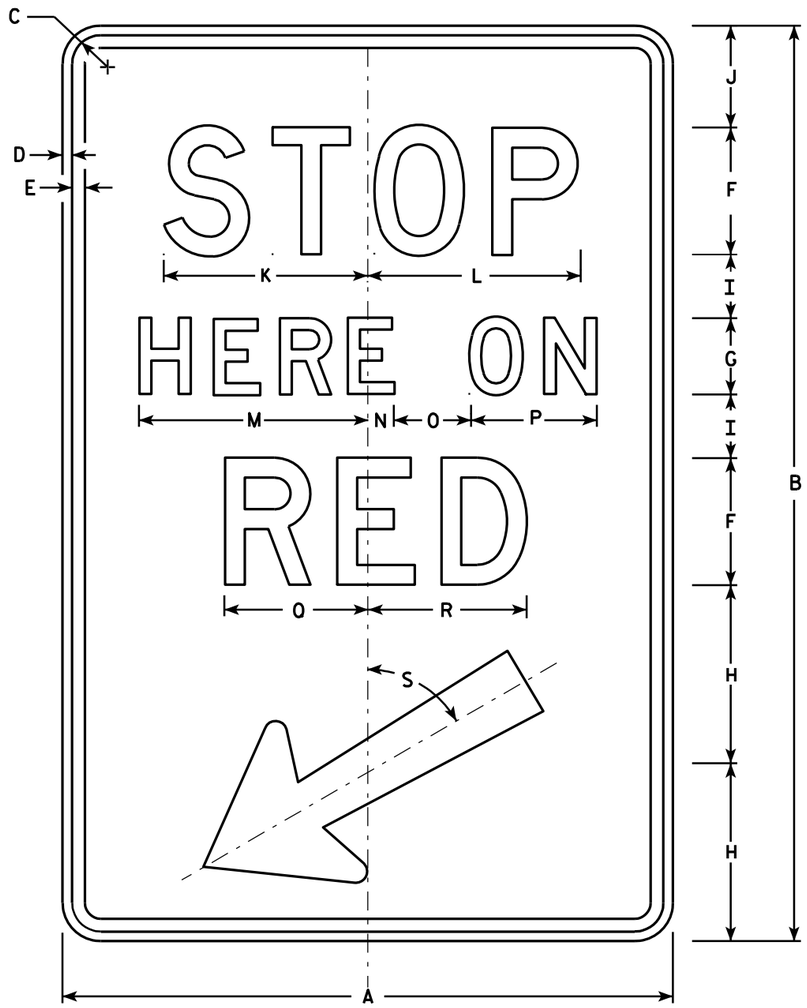
STANDARD SIGN
M2-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 6/30/14 PLATE 244 12-1.11

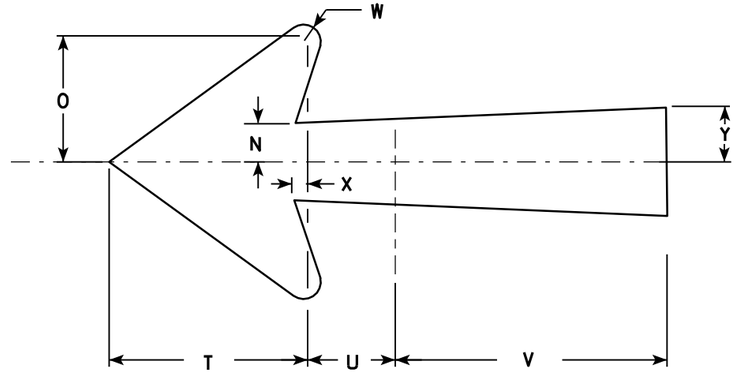
PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E



R10-6

NOTES

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



Arrow Detail

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	O	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24	36	1 1/8	3/8	1/2	5	3	7	2 1/2	4	8	8 3/8	9	1	3	5	5 5/8	6 1/4	60°	5 1/4	2 1/4	7 1/8	1/2	3/8	1 3/8		6.0
2M	24	36	1 1/8	3/8	1/2	5	3	7	2 1/2	4	8	8 3/8	9	1	3	5	5 5/8	6 1/4	60°	5 1/4	2 1/4	7 1/8	1/2	3/8	1 3/8		6.0
3																											
4																											
5																											

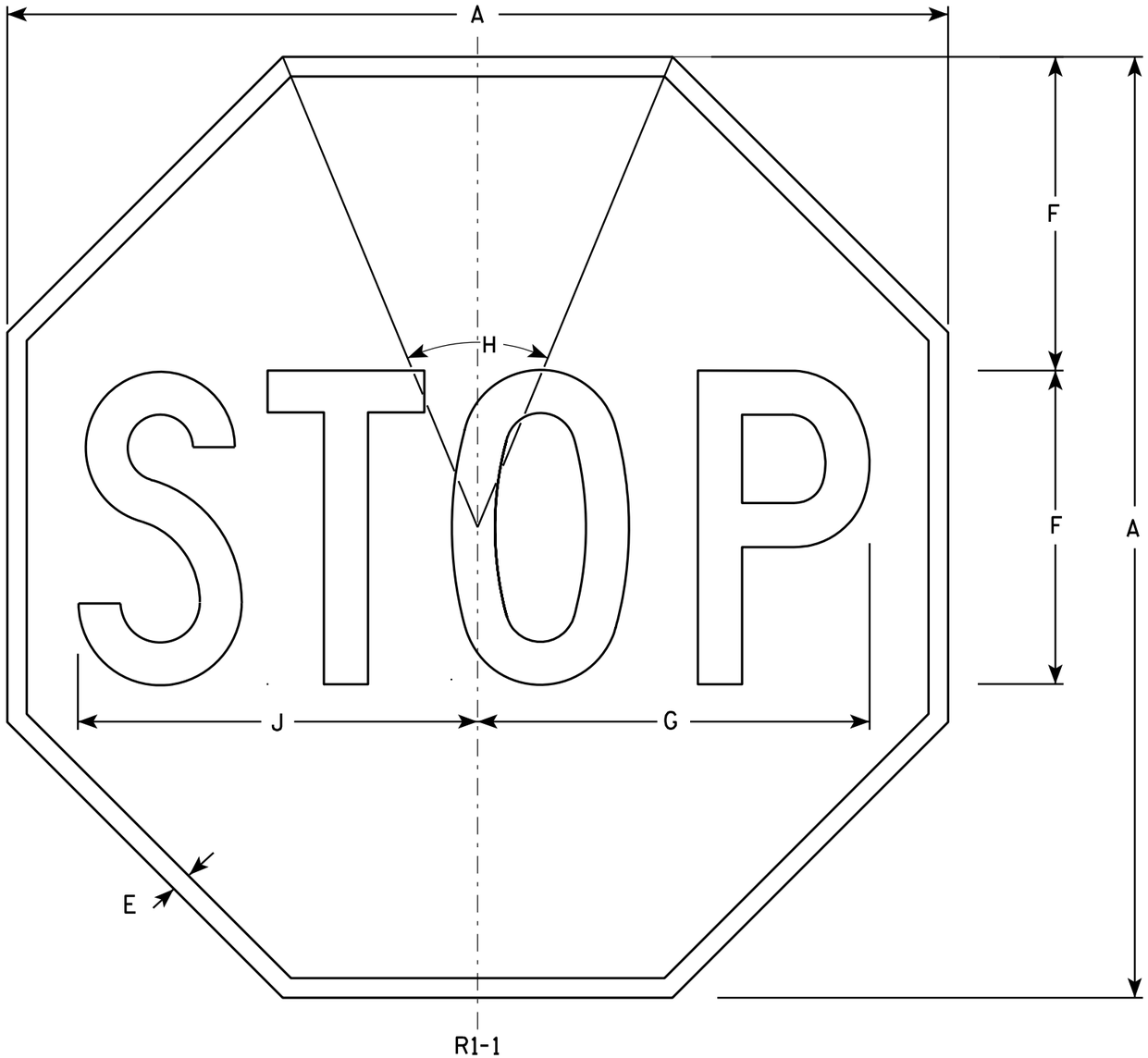
STANDARD SIGN
R10-6

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 4/5/11 PLATE NO. R10-6.6

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 245	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

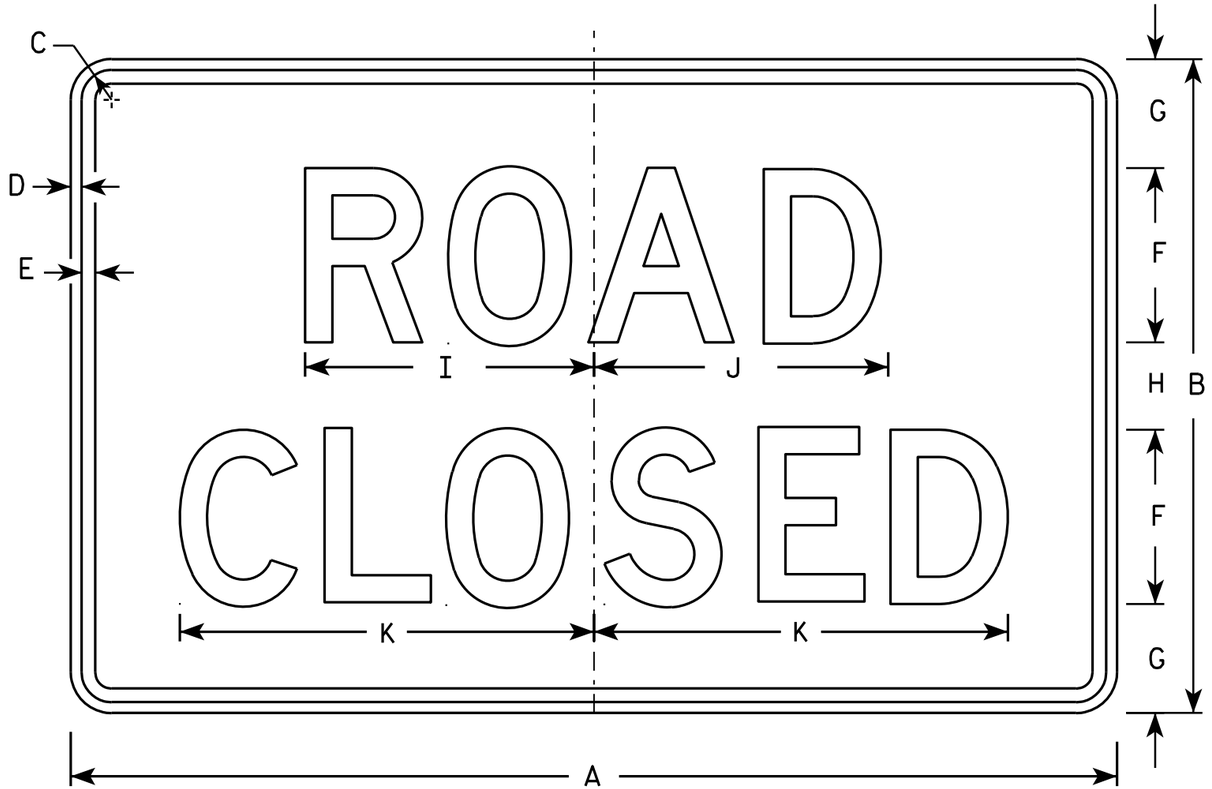
STANDARD SIGN
R1-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/03/10 PLATE NO. R1-1.12

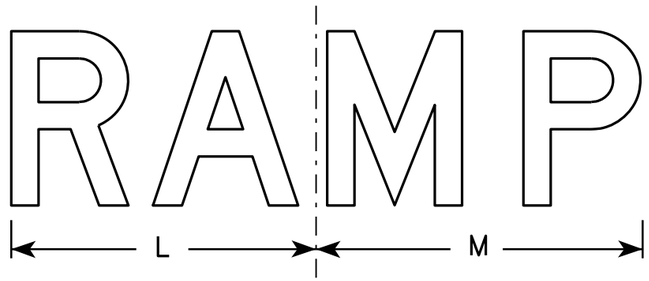
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 246	E



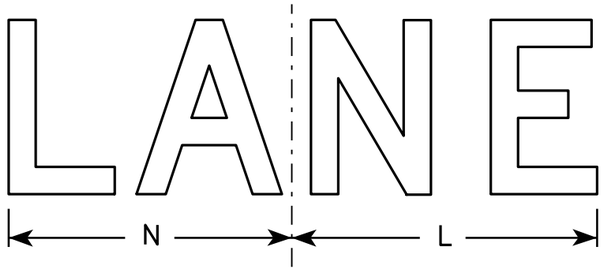
R11-2

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 - 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. Modify the message as required.



R11-2R



R11-2L

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	48	30	1 3/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13													10.0
2M	48	30	1 3/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13													10.0
3	48	30	1 3/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13													10.0
4	48	30	1 3/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13													10.0
5	48	30	1 3/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13													10.0

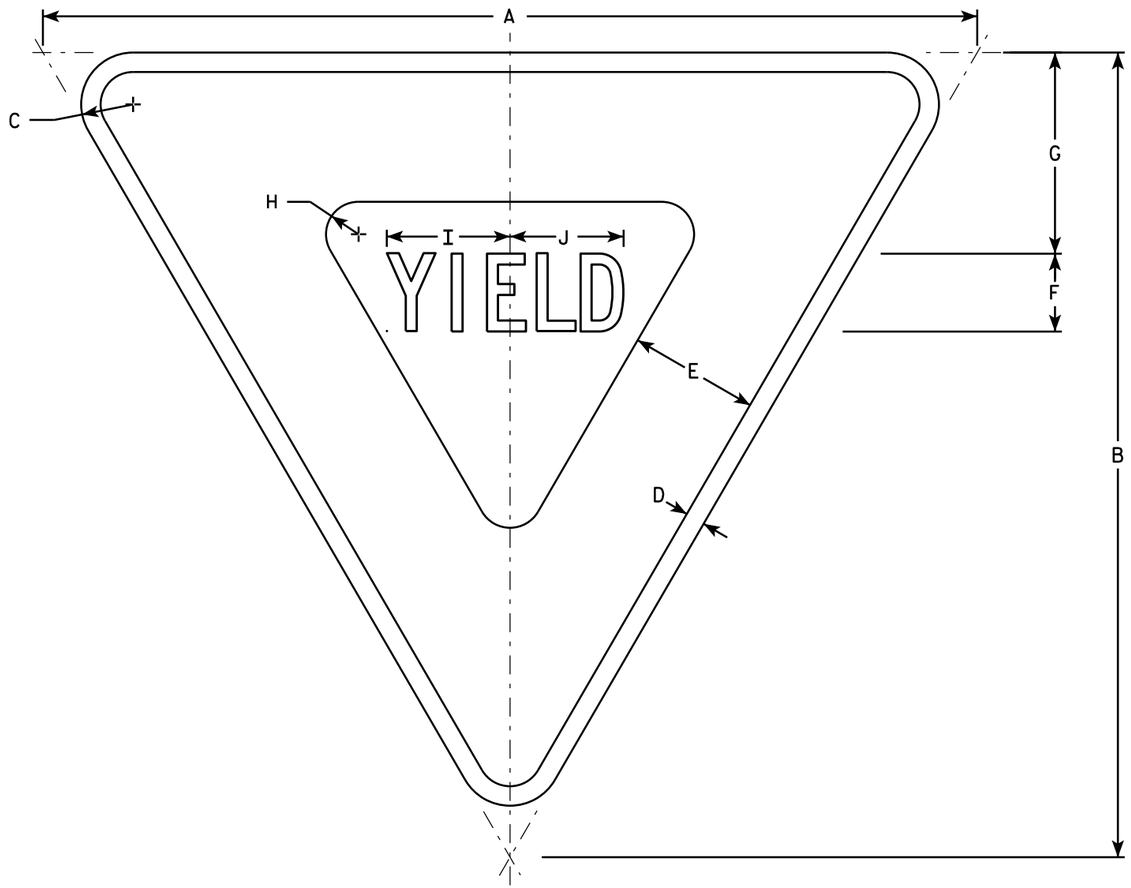
STANDARD SIGN
R11-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 4/1/11 PLATE NO. R11-2.10

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 247	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																											
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

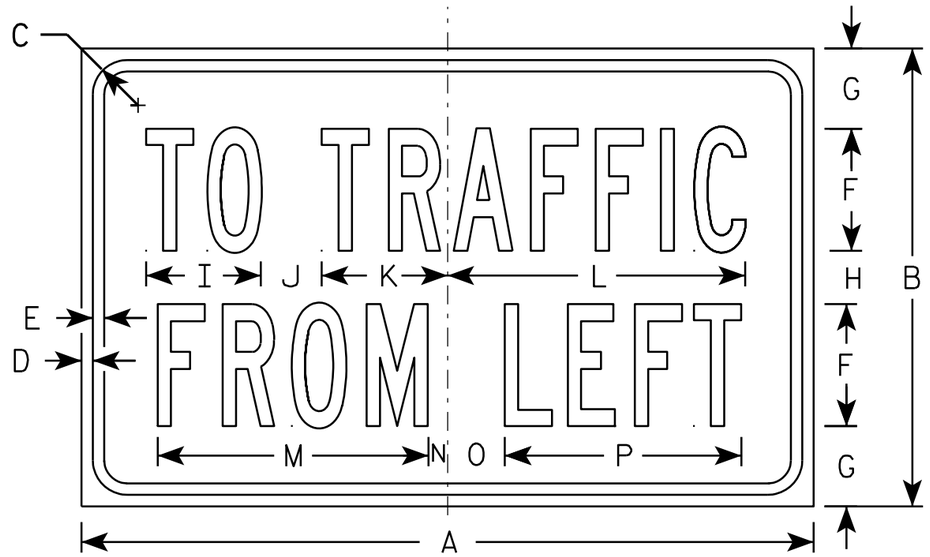
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 10/13/14 PLATE R1-2.12

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

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\R12.DGN PLOT DATE : 13-OCT-2014 15:12 PLOT BY : mscsja PLOT NAME : PLOT SCALE : 5.837526:1.000000
WISDOT/CADDS SHEET 42



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																											

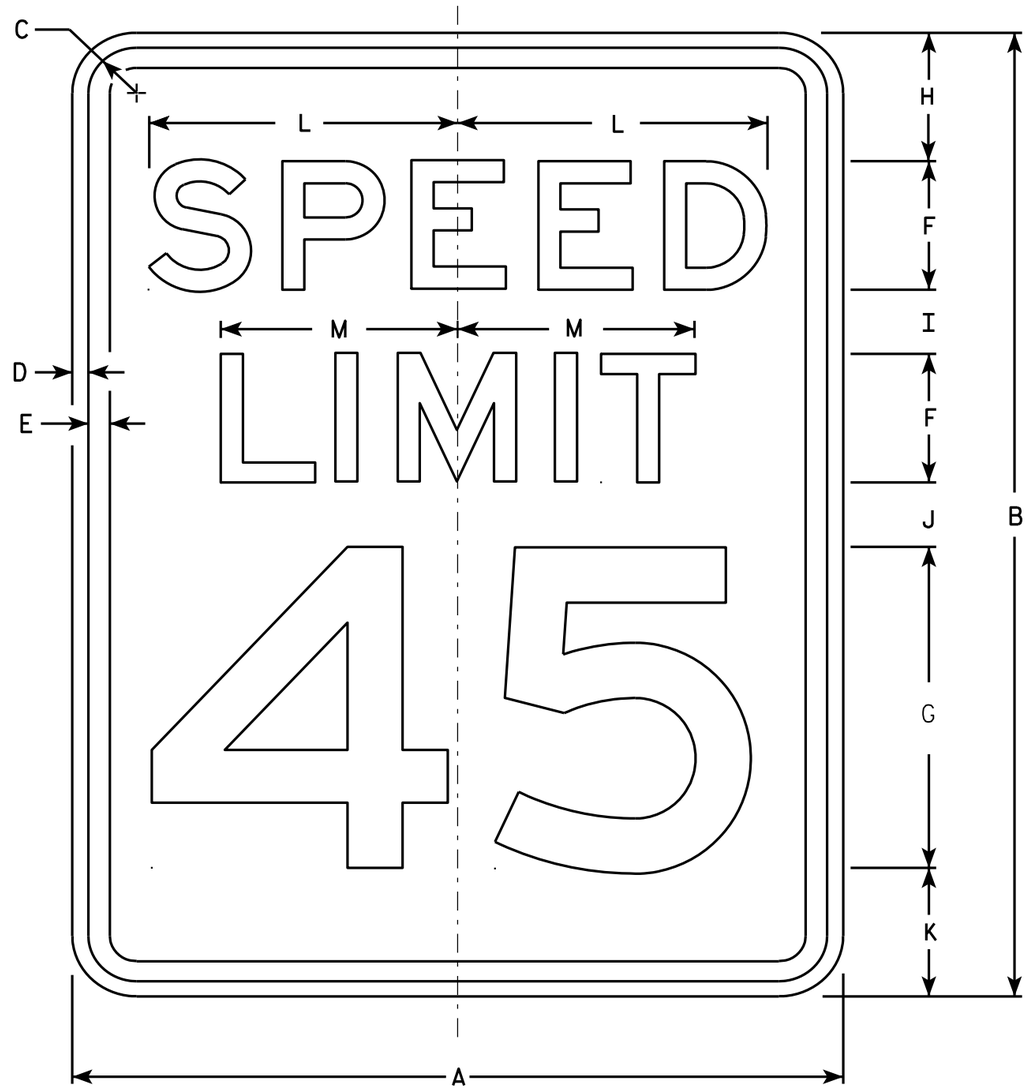
STANDARD SIGN
R1-54

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 NO: 249	E



R2-1

NOTES

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

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

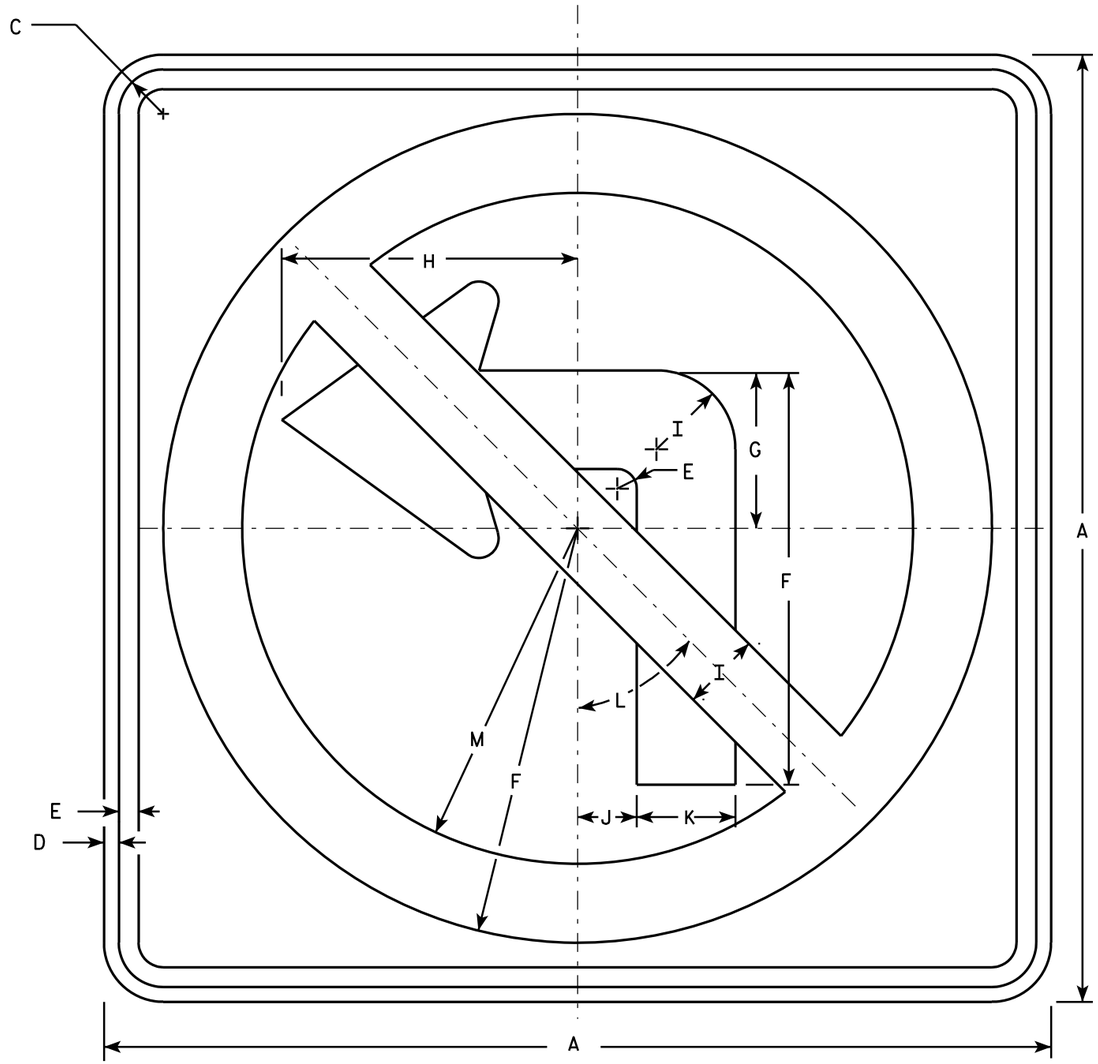
STANDARD SIGN
R2-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

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

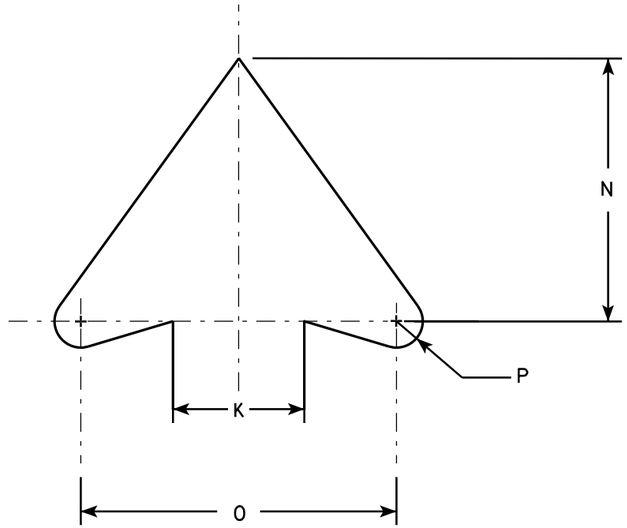
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 250 | E



R3-2

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. Border & Arrow are non reflective black, the circle with diagonal bar is reflective red.



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	24		1 1/8	3/8	1/2	10 1/2	4	7 1/2	2	1 1/2	2 1/2	45°	8 1/2	5	6	1/2											4.0
2S	24		1 1/8	3/8	1/2	10 1/2	4	7 1/2	2	1 1/2	2 1/2	45°	8 1/2	5	6	1/2											4.0
2M	36		1 5/8	5/8	3/4	15 3/4	6	11 1/4	3	2 1/4	3 3/4	45°	12 3/4	7 1/2	9	3/4											9.0
3	36		1 5/8	5/8	3/4	15 3/4	6	11 1/4	3	2 1/4	3 3/4	45°	12 3/4	7 1/2	9	3/4											9.0
4	36		1 5/8	5/8	3/4	15 3/4	6	11 1/4	3	2 1/4	3 3/4	45°	12 3/4	7 1/2	9	3/4											9.0
5	48		2 1/4	3/4	1	21	8	15	4	3	5	45°	17	10	12	1											16.0

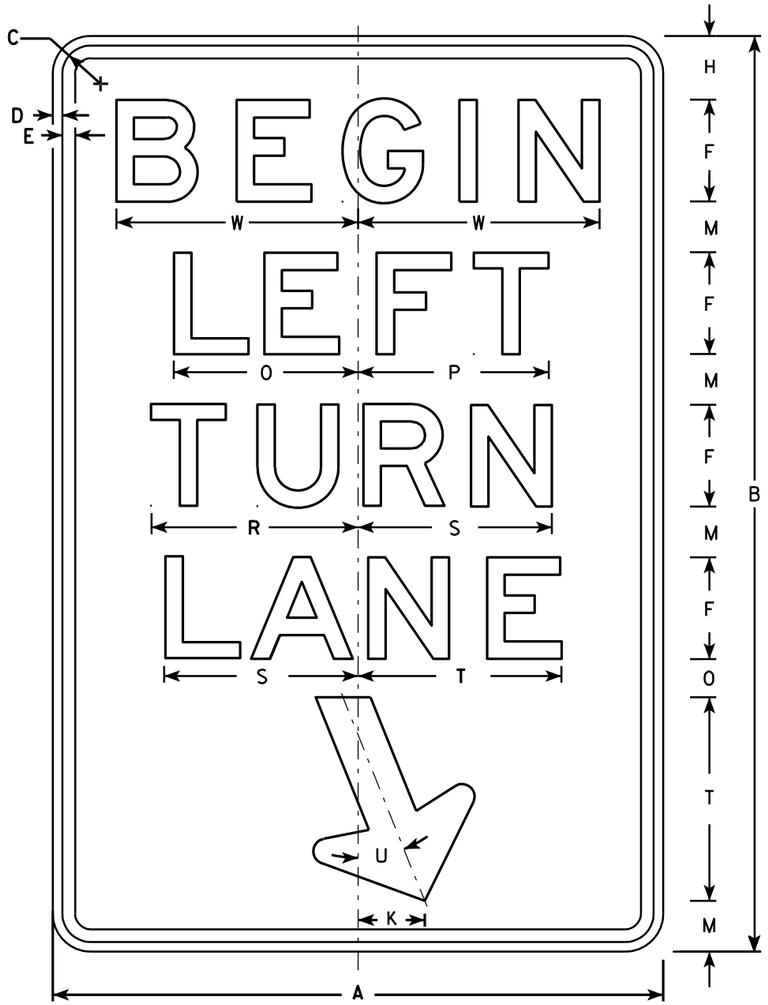
STANDARD SIGN
R3-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/08/10 PLATE NO. R3-2.10

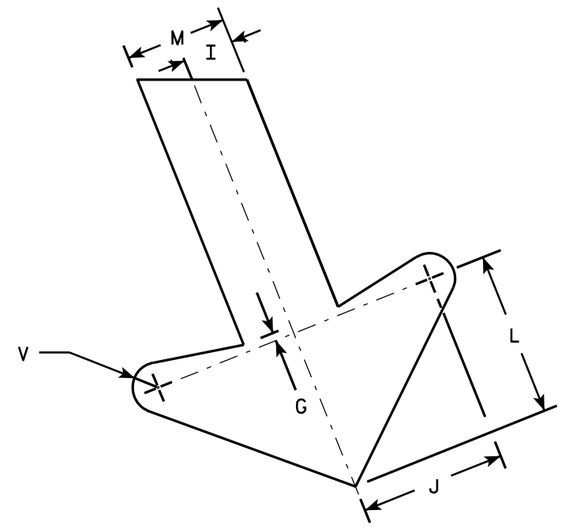
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 251	E



R3-20L

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.



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	24	36	1 1/8	3/8	1/2	4	1/4	2 1/2	1	2 7/8	2 5/8	3 1/4	2	1 1/2	7 1/4	7 1/2		8 1/8	7 5/8	8	22°	1/2	9 1/2				6.0
2M	24	36	1 1/8	3/8	1/2	4	1/4	2 1/2	1	2 7/8	2 5/8	3 1/4	2	1 1/2	7 1/4	7 1/2		8 1/8	7 5/8	8	22°	1/2	9 1/2				6.0
3	36	54	1 3/4	1/2	5/8	6	3/8	3 3/4	1 1/2	4 1/4	4	4 7/8	3	2 1/4	10 7/8	11 1/4		12 1/4	11 1/2	12	22°	3/4	13 1/4				13.5
4																											
5																											

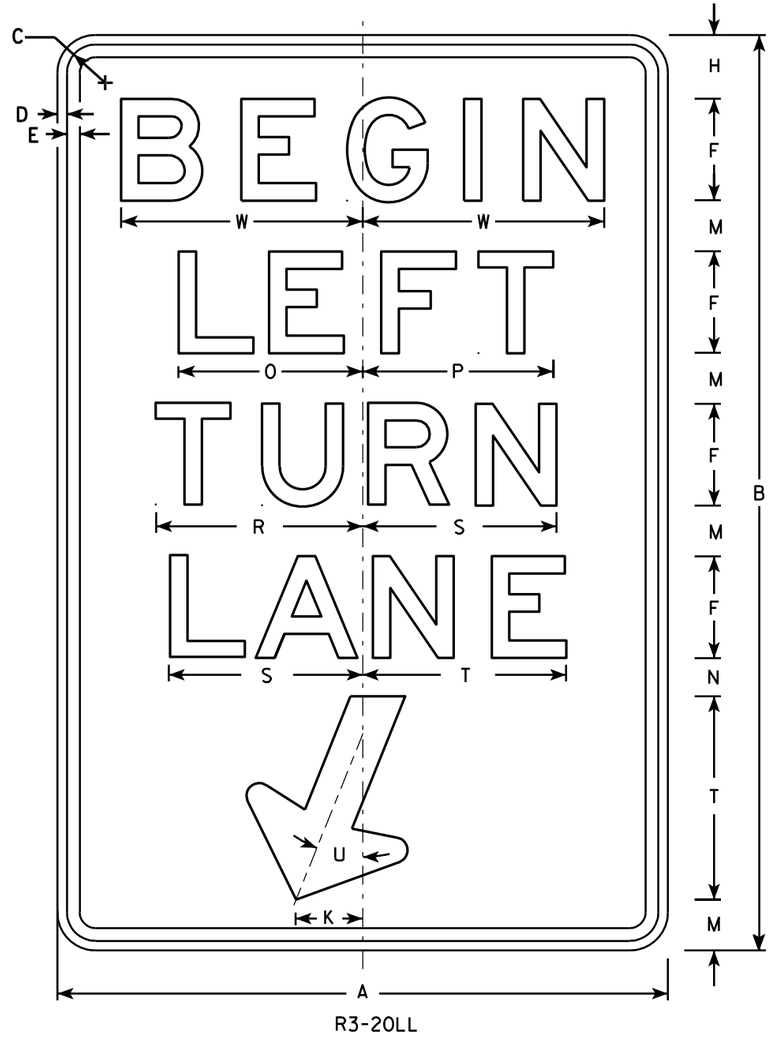
STANDARD SIGN
R3-20L

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 10/18/10 PLATE NO. R3-20L.7

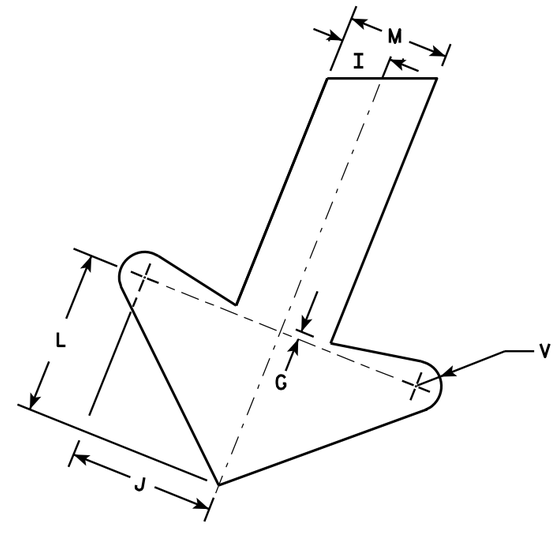
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 252 | E



R3-20LL

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.



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	24	36	1 1/8	3/8	1/2	4	1/4	2 1/2	1	2 7/8	2 5/8	3 1/4	2	1 1/2	7 1/4	7 1/2		8 1/8	7 5/8	8	22°	1/2	9 1/2				6.0
2M	24	36	1 1/8	3/8	1/2	4	1/4	2 1/2	1	2 7/8	2 5/8	3 1/4	2	1 1/2	7 1/4	7 1/2		8 1/8	7 5/8	8	22°	1/2	9 1/2				6.0
3	36	54	1 3/4	1/2	5/8	6	3/8	3 3/4	1 1/2	4 1/4	4	4 7/8	3	2 1/4	10 7/8	11 1/4		12 1/4	11 1/2	12	22°	3/4	13 1/4				13.5
4																											
5																											

STANDARD SIGN
R3-20LL

WISCONSIN DEPT OF TRANSPORTATION

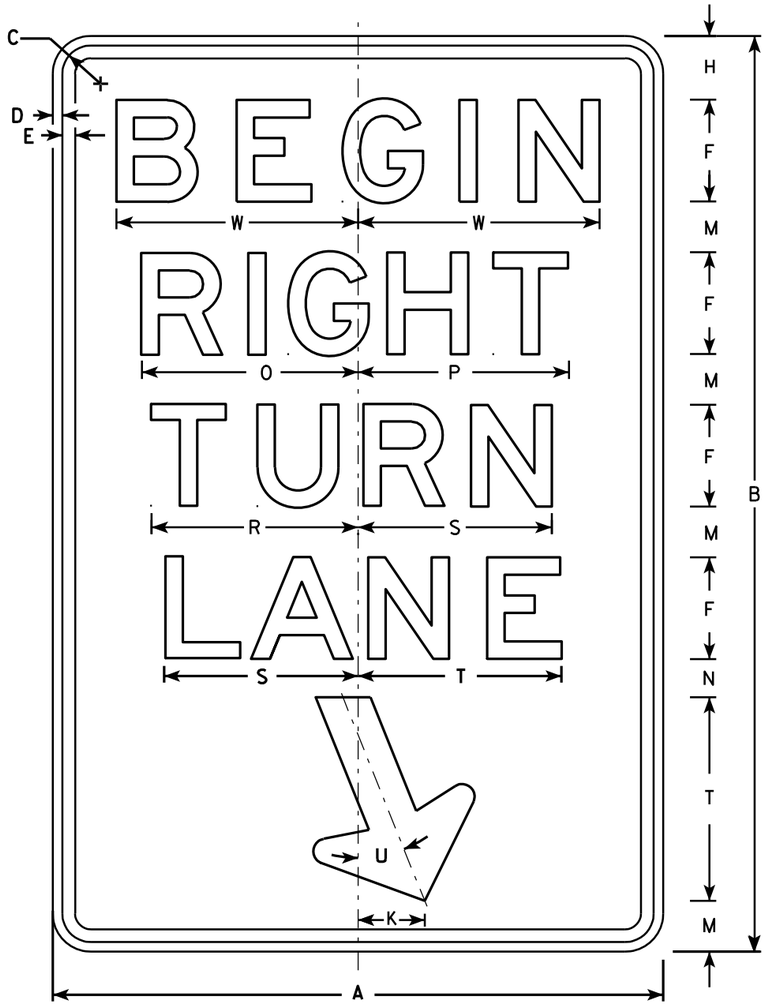
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 10/18/10 PLATE NO. R3-20LL.1

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 253	E

FILE NAME : C:\Users\PROJECTS\tr_stdplate\R320LL.DGN PLOT DATE : 15-OCT-2010 14:38 PLOT BY : dotsja PLOT NAME : PLOT SCALE : 5.959043:1.000000

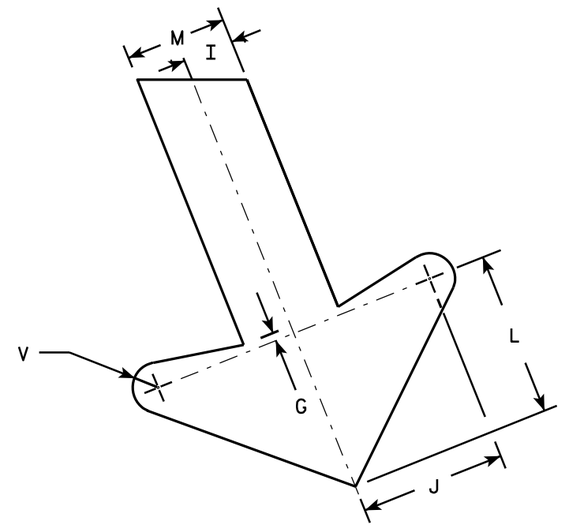
WISDOT/CADDS SHEET 42



R3-20RR

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.



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	24	36	1 1/8	3/8	1/2	4	1/4	2 1/2	1	2 7/8	2 5/8	3 1/4	2	1 1/2	8 1/2	8 1/4		8 1/8	7 5/8	8	22°	1/2	9 1/2				6.0
2M	24	36	1 1/8	3/8	1/2	4	1/4	2 1/2	1	2 7/8	2 5/8	3 1/4	2	1 1/2	8 1/2	8 1/4		8 1/8	7 5/8	8	22°	1/2	9 1/2				6.0
3	36	54	1 3/4	1/2	5/8	6	3/8	3 3/4	1 1/2	4 1/4	4	4 7/8	3	2 1/4	12 3/4	12 1/2		12 1/4	11 1/2	12	22°	3/4	13 1/4				13.5
4																											
5																											

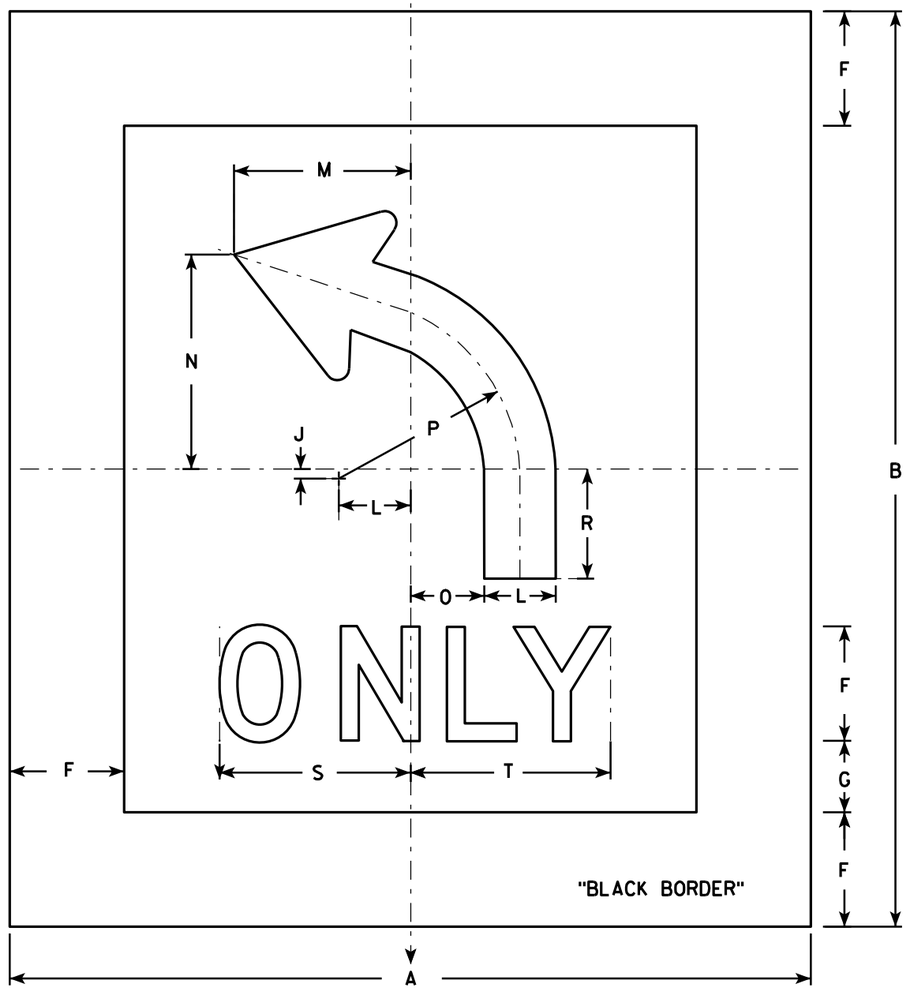
STANDARD SIGN
R3-20RR

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 10/18/10 PLATE NO. R3-20RR.1

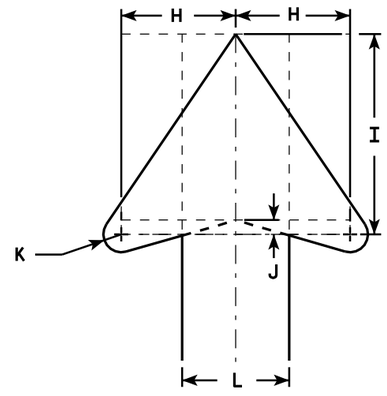
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 254 | E



R3-5L

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. When base material is metal, the corners shall be rounded.
5. R3-5R is the same as R3-5L except curved portion of arrow points right.
6. The 6" border is non-reflective black.



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	42	48				6	3 3/4	4	7	1/2	5/8	3 3/4	9 1/4	11 1/4	3 7/8	9 1/2		5 3/4	10	10 1/2							1.26
2M	42	48				6	3 3/4	4	7	1/2	5/8	3 3/4	9 1/4	11 1/4	3 7/8	9 1/2		5 3/4	10	10 1/2							1.26
3																											
4																											
5																											

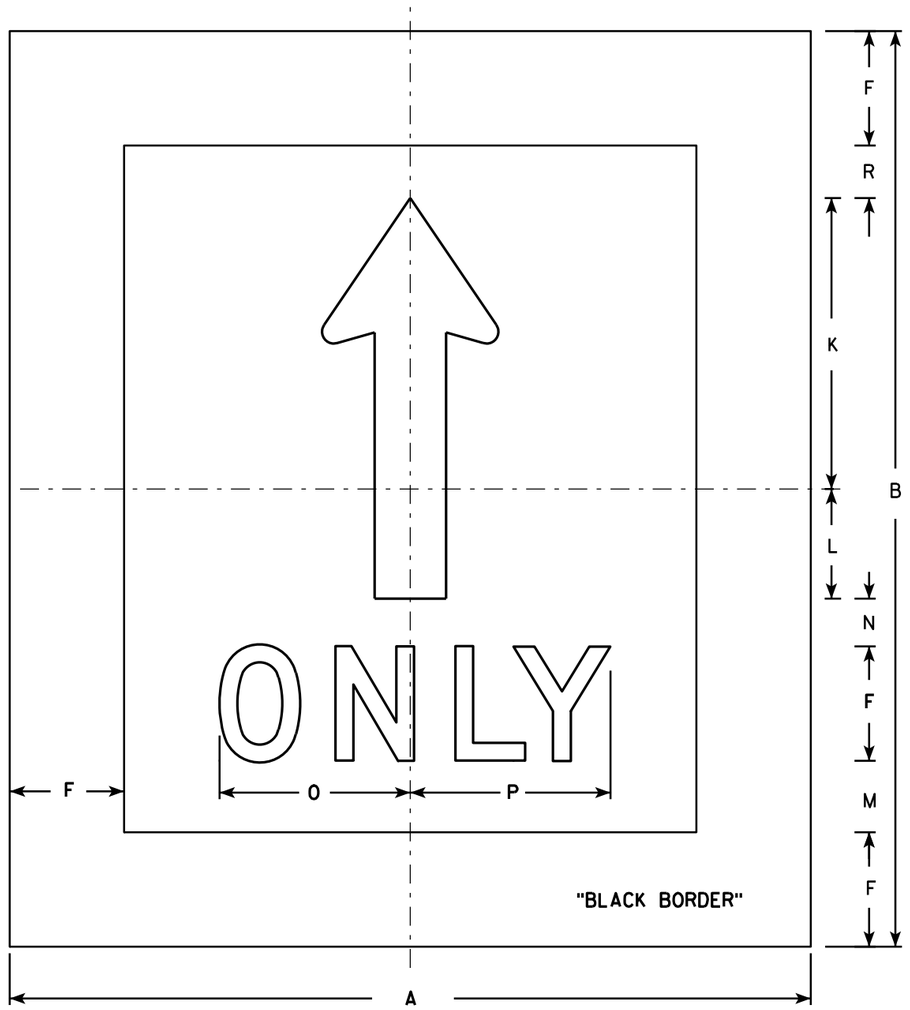
STANDARD SIGN
R3-5

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/24/11 PLATE NO. R3-5.6

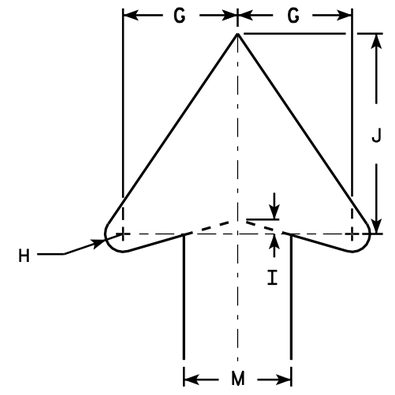
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 255 | E



R3-5A

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. When base material is metal, the corners shall be rounded.
5. The 6" border is non-reflective black.



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	42	48				6	4	5/8	1/2	7	15 1/4	5 3/4	3 3/4	2 1/2	10	10 1/2		2 3/4									1.26
2M	42	48				6	4	5/8	1/2	7	15 1/4	5 3/4	3 3/4	2 1/2	10	10 1/2		2 3/4									1.26
3																											
4																											
5																											

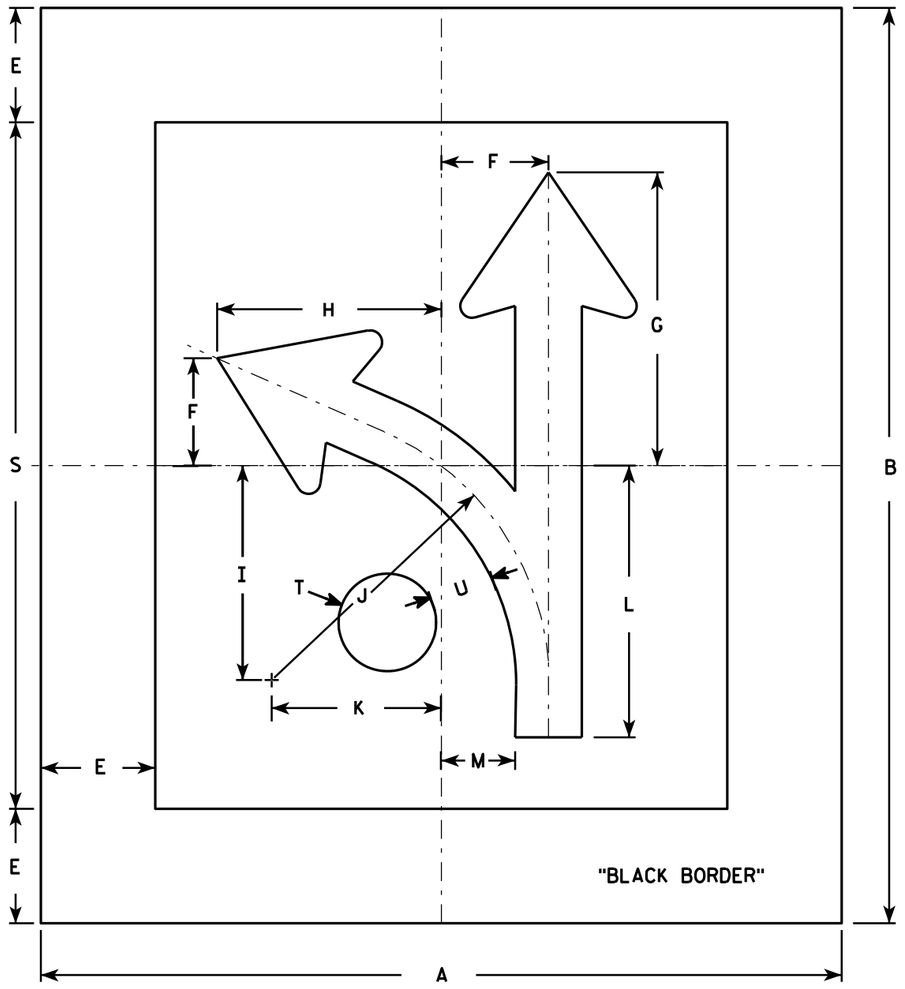
STANDARD SIGN
R3-5A

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/24/11 PLATE NO. R3-5A.5

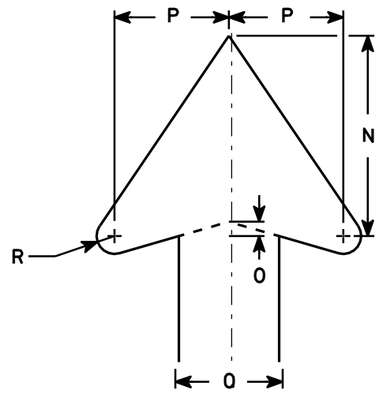
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 256	E



R3-6XL

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. When base material is metal, the corners shall be rounded.
4. The 6" border is non-reflective black.



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	42	48			6	5 5/8	15 3/8	11 3/4	11 1/4	14 1/2	8 7/8	14 1/4	3 7/8	7	1/2	4	3 1/2	5/8	36	5	3 1/2						14.0
2M	42	48			6	5 5/8	15 3/8	11 3/4	11 1/4	14 1/2	8 7/8	14 1/4	3 7/8	7	1/2	4	3 1/2	5/8	36	5	3 1/2						14.0
3																											
4																											
5																											

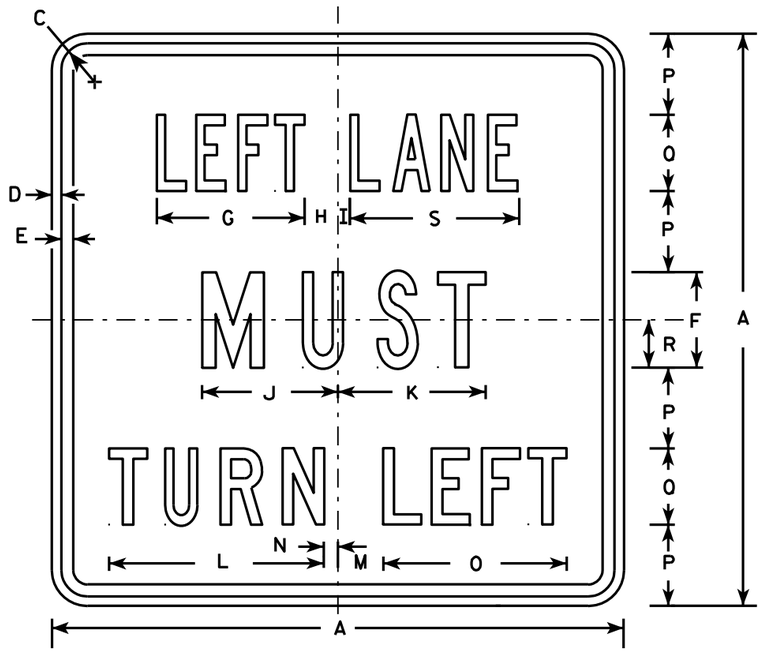
STANDARD SIGN
R3-6XL

WISCONSIN DEPT OF TRANSPORTATION

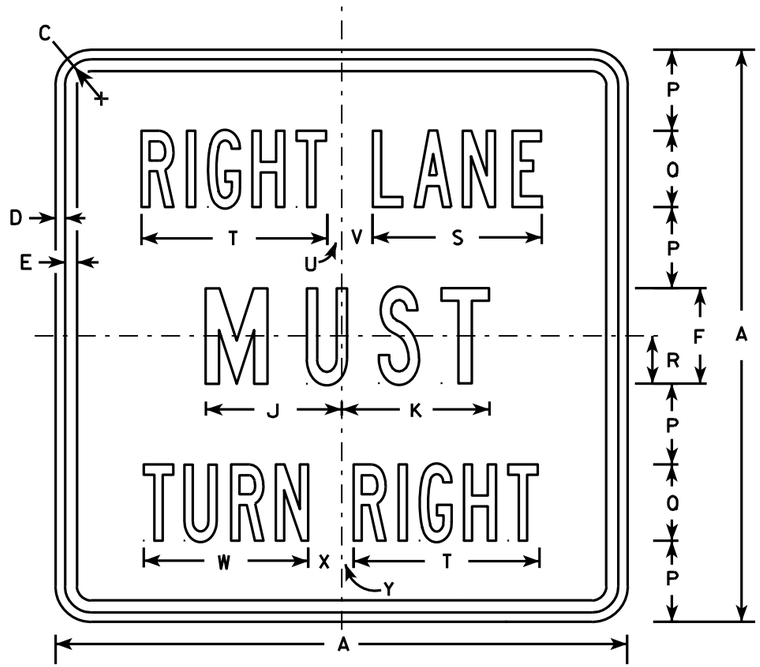
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/18/2011 PLATE NO. R3-6XL.2

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 257	E



R3-7L



R3-7R

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 - Line 1 is Series B.
   Line 2 is Series C.
   Line 3 on plate R3-7R is Series B and Series C on plate R3-7L.
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	30		1 3/8	1/2	5/8	5	7 3/4	1 3/4	5/8	7 1/8	7 3/4	11 1/4	2 3/8	3/4	9 5/8	4 1/4	4	2 1/2	8 7/8	9 3/4	3/4	1 5/8	8 5/8	1 5/8	5/8		6.25
2S	30		1 3/8	1/2	5/8	5	7 3/4	1 3/4	5/8	7 1/8	7 3/4	11 1/4	2 3/8	3/4	9 5/8	4 1/4	4	2 1/2	8 7/8	9 3/4	3/4	1 5/8	8 5/8	1 5/8	5/8		6.25
2M	30		1 3/8	1/2	5/8	5	7 3/4	1 3/4	5/8	7 1/8	7 3/4	11 1/4	2 3/8	3/4	9 5/8	4 1/4	4	2 1/2	8 7/8	9 3/4	3/4	1 5/8	8 5/8	1 5/8	5/8		6.25
3	36		1 5/8	5/8	3/4	6	9 5/8	2	1 1/8	8 3/4	9	13 1/2	3 7/8	1 1/2	12 1/2	5	5	3	10 5/8	12	7/8	2 1/4	10 5/8	2 1/8	1		9.00
4	48		2 1/4	3/4	1	8	13 1/2	2 3/8	1 1/2	11 1/2	11 7/8	17 3/4	3 5/8	2 1/2	16 3/8	6 1/2	7	4	14 3/8	16 7/8	5/8	3 1/4	15 1/8	2 3/4	1 1/8		16.00
5																											

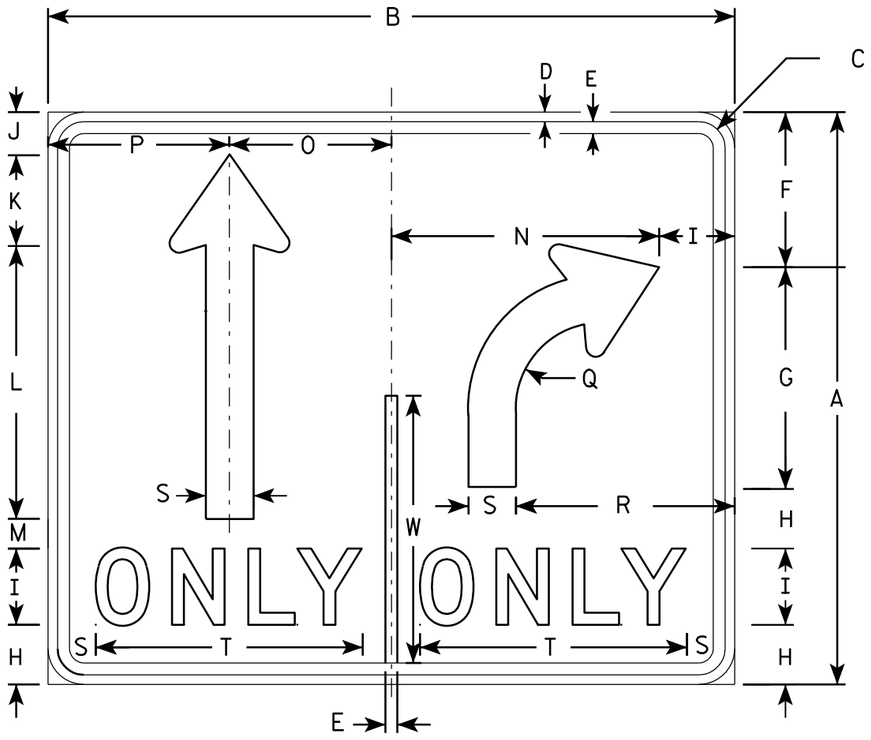
STANDARD SIGN
R3-7L & R3-7R

WISCONSIN DEPT OF TRANSPORTATION

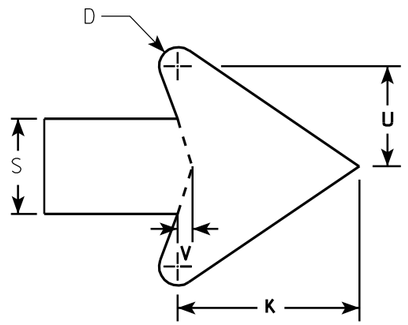
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/18/2011 PLATE NO. R3-7.3

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 258 | E



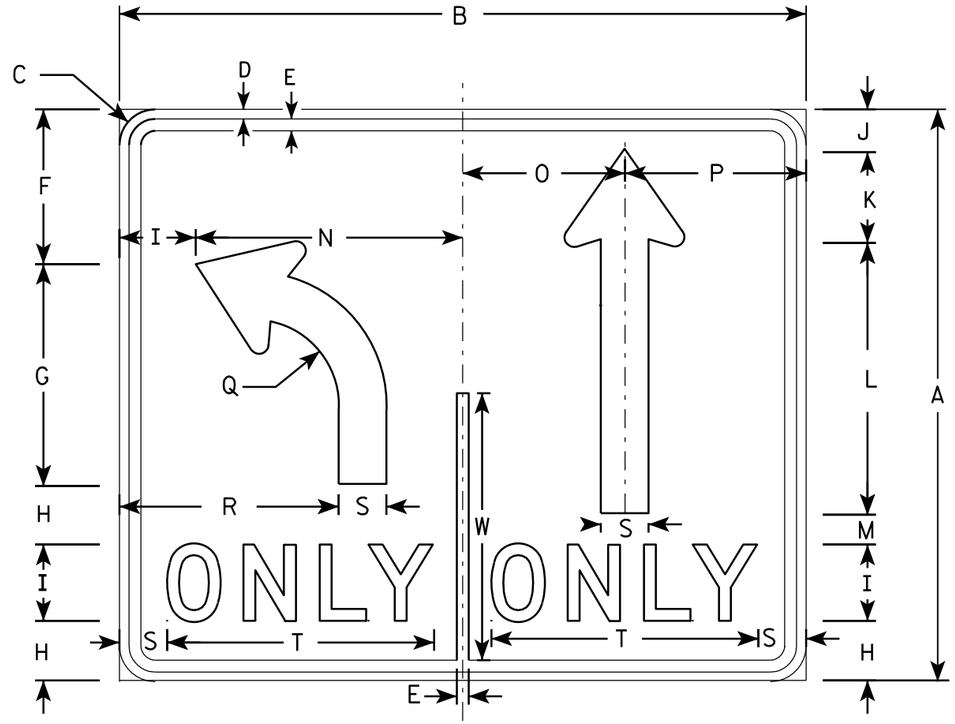
R3-8D



ARROW DETAIL

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.



R3-8E

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	O	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	36	1 3/8	1/2	5/8	8 1/8	11 5/8	3 1/8	4	2 1/4	4 3/4	14 1/4	1 5/8	14	8 1/2	9 1/2	4 1/2	11 1/2	2 1/2	14	2 5/8	3/8	14				7.5
2M	30	36	1 3/8	1/2	5/8	8 1/8	11 5/8	3 1/8	4	2 1/4	4 3/4	14 1/4	1 5/8	14	8 1/2	9 1/2	4 1/2	11 1/2	2 1/2	14	2 5/8	3/8	14				7.5
3																											
4	48	54	2 1/4	3/4	1	13 1/4	18 1/2	5 1/8	6	3 1/2	7 1/8	21 1/2	4 3/4	21	12 3/4	14 1/4	7 1/4	17 1/8	3 3/4	20 5/8	4	5/8	22 3/8				18.0
5	48	54	2 1/4	3/4	1	13 1/4	18 1/2	5 1/8	6	3 1/2	7 1/8	21 1/2	4 3/4	21	12 3/4	14 1/4	7 1/4	17 1/8	3 3/4	20 5/8	4	5/8	22 3/8				18.0

STANDARD SIGN
R3-8D & R3-8E

WISCONSIN DEPT OF TRANSPORTATION

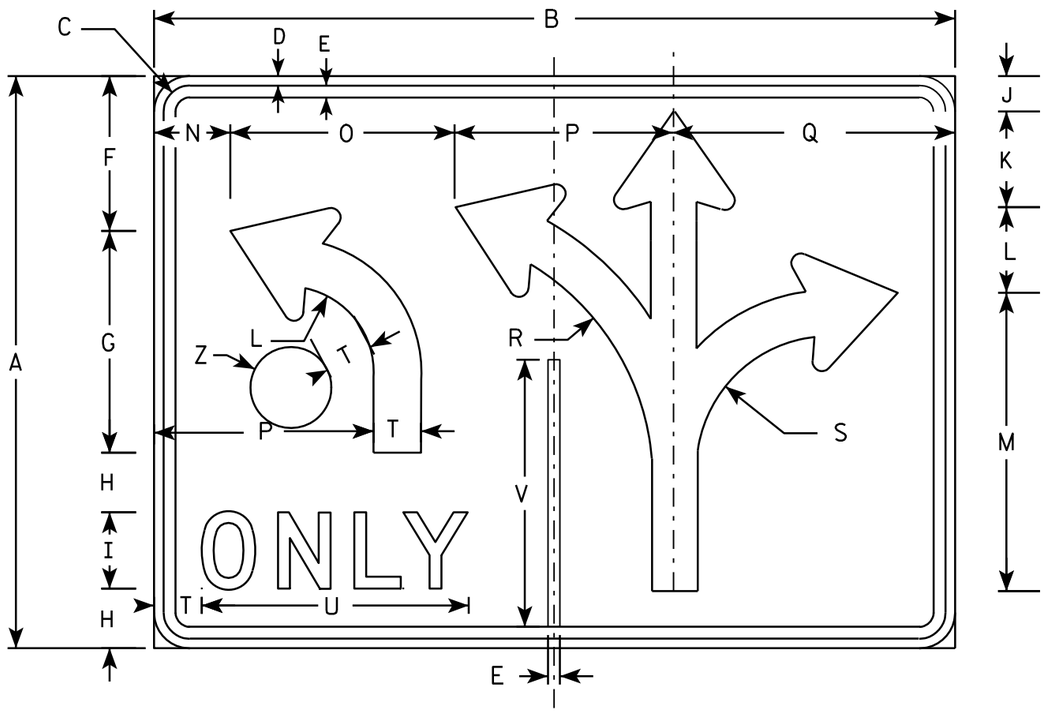
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/18/2011 PLATE NO. R3-8D.2

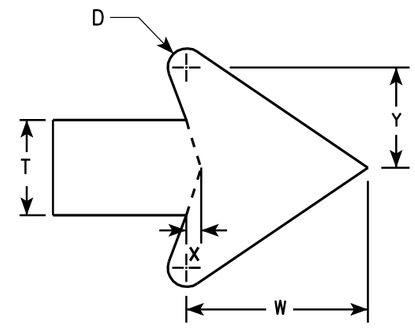
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 259	E

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. 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.



R3-8FF



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	30	42	1 3/8	1/2	5/8	8 1/8	11 5/8	3 1/8	4	1 7/8	5	4 1/2	15 5/8	4	11 3/4	11 1/2	14 3/4	13 1/4	7	2 1/2	14	14	4 3/4	3/8	2 5/8	4 1/4	8.75
2M	30	42	1 3/8	1/2	5/8	8 1/8	11 5/8	3 1/8	4	1 7/8	5	4 1/2	15 5/8	4	11 3/4	11 1/2	14 3/4	13 1/4	7	2 1/2	14	14	4 3/4	3/8	2 5/8	4 1/4	8.75
3																											
4																											
5																											

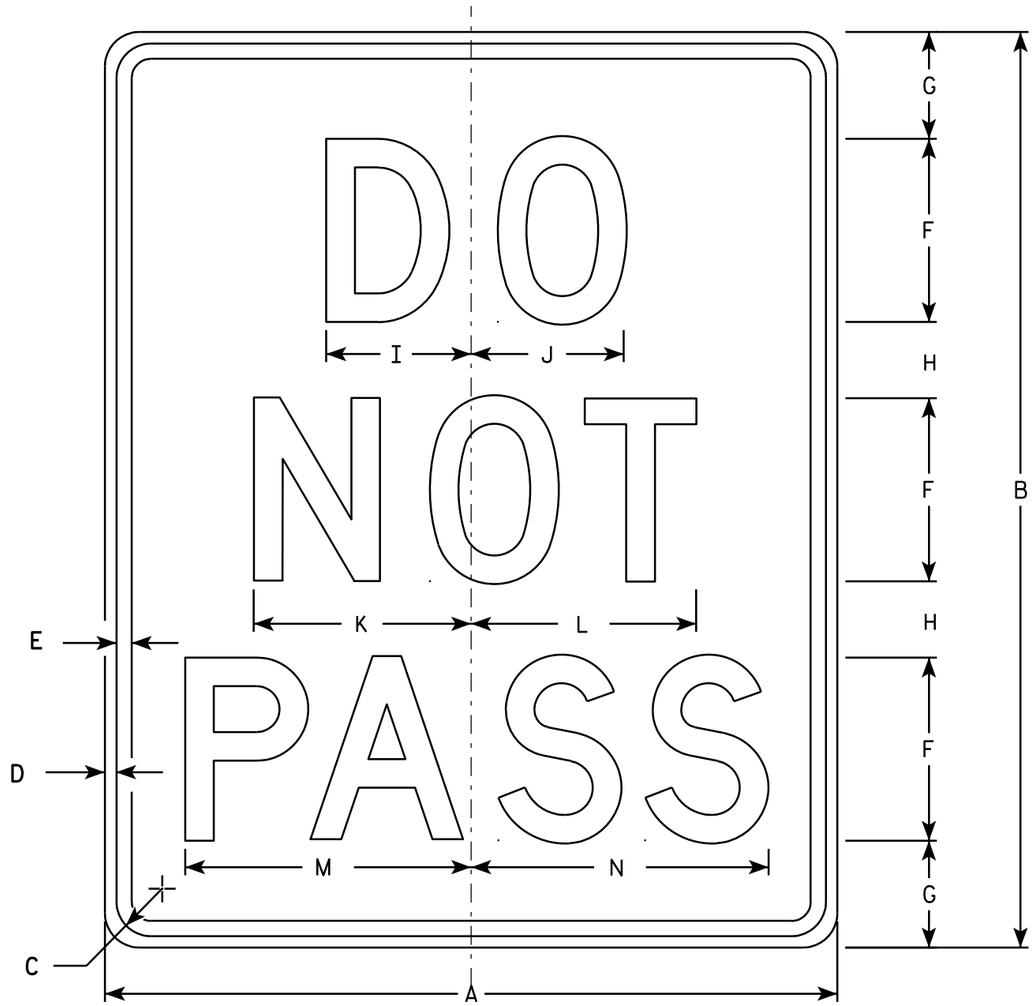
STANDARD SIGN
R3-8FF

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/18/2011 PLATE NO. R3-8FF.2

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 260	E



R4-1

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 - 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.

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	4	3 1/2	2 1/2	3 1/8	3 1/4	4 3/4	4 7/8	6 1/4	6 1/2													3.0
2S	24	30	1 1/8	3/8	1/2	6	3 1/2	2 1/2	4 3/4	5	7 1/8	7 3/8	9 3/8	9 3/4													5.0
2M	24	30	1 1/8	3/8	1/2	6	3 1/2	2 1/2	4 3/4	5	7 1/8	7 3/8	9 3/8	9 3/4													5.0
3																											
4	36	48	1 5/8	5/8	3/4	8	7	5	6 1/4	6 5/8	9 1/2	9 3/4	12 1/2	13													12.0
5	48	60	2 1/4	3/4	1	10	8	7	7 3/4	8 3/8	11 7/8	12 1/4	15 5/8	16 1/4													20.0

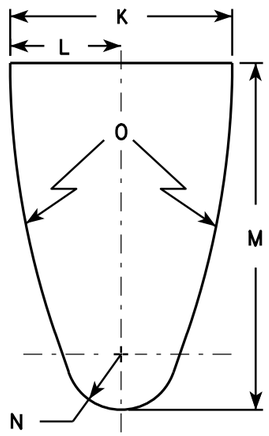
STANDARD SIGN
R4-1

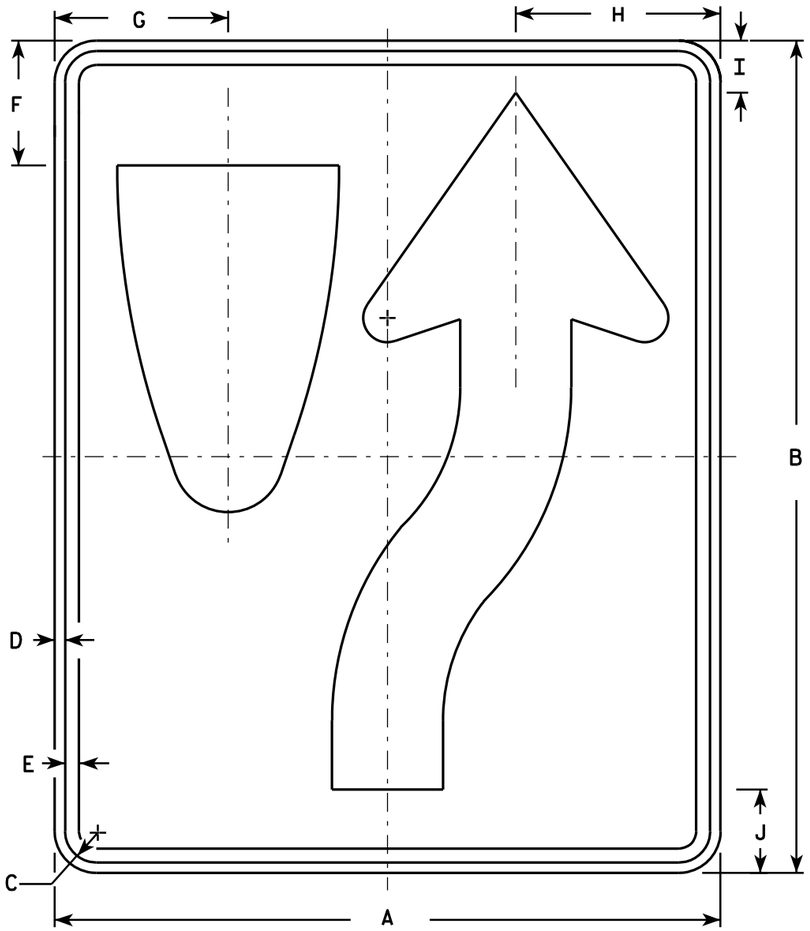
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/25/2011 PLATE NO. R4-1.7

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 261 | E

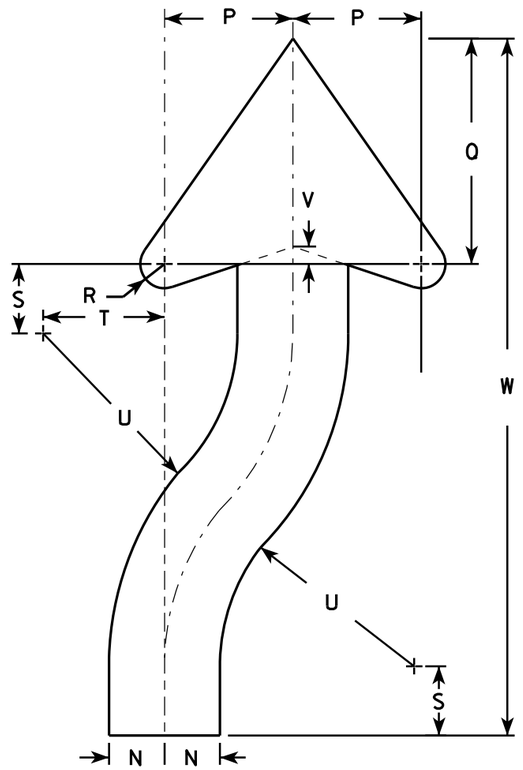




R4-7

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

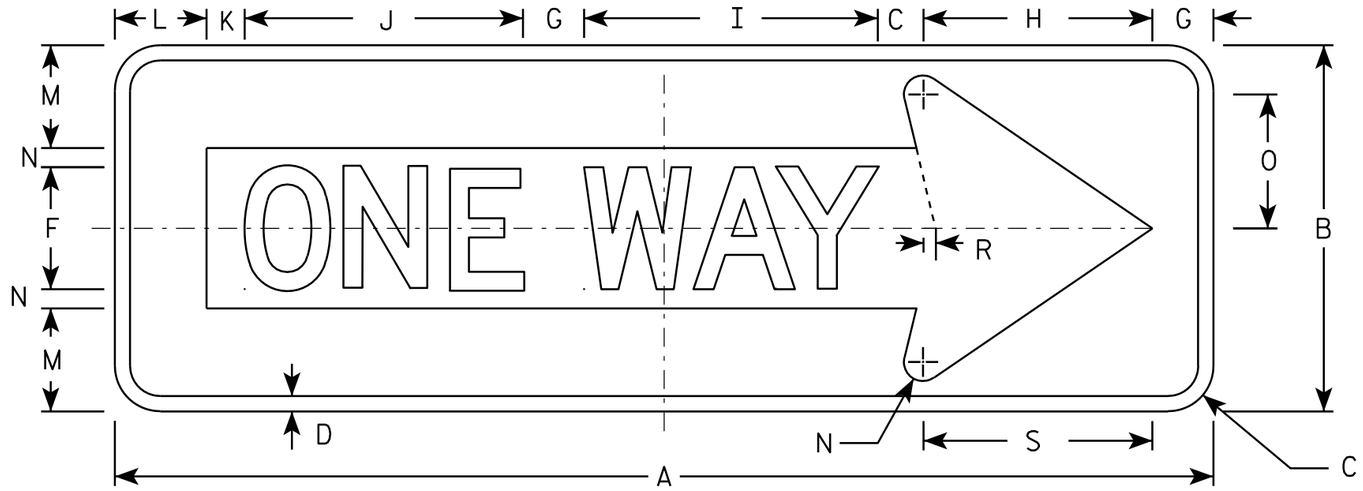
STANDARD SIGN
R4-7 & R4-8

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch for State Traffic Engineer

DATE 3/25/2011 PLATE NO. R4-7.8

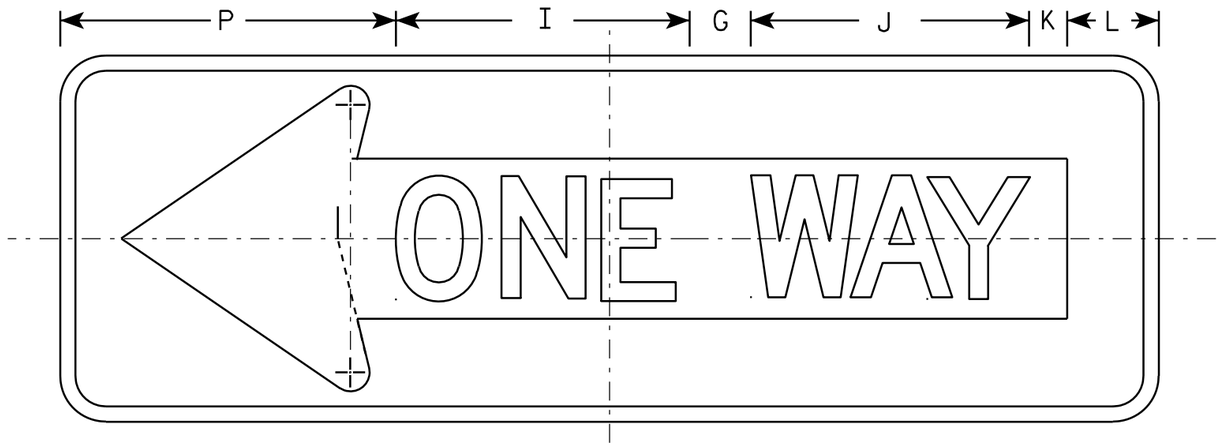
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 262	E



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 ½	½		4	2	7 ½	9 ⅝	9 ⅛	1 ¼	3	3 ⅜	⅝	4 ⅜	11		⅜	7 ½								3.0
2M	54	18	2 ¼	¾		6	3	11 ¼	14 ½	13 ⅝	1 ⅞	4 ½	5	1	6 ½	16 ½		⅝	11 ¼								6.75
3	54	18	2 ¼	¾		6	3	11 ¼	14 ½	13 ⅝	1 ⅞	4 ½	5	1	6 ½	16 ½		⅝	11 ¼								6.75
4	54	18	2 ¼	¾		6	3	11 ¼	14 ½	13 ⅝	1 ⅞	4 ½	5	1	6 ½	16 ½		⅝	11 ¼								6.75
5																											

STANDARD SIGN
R6-1 L & R

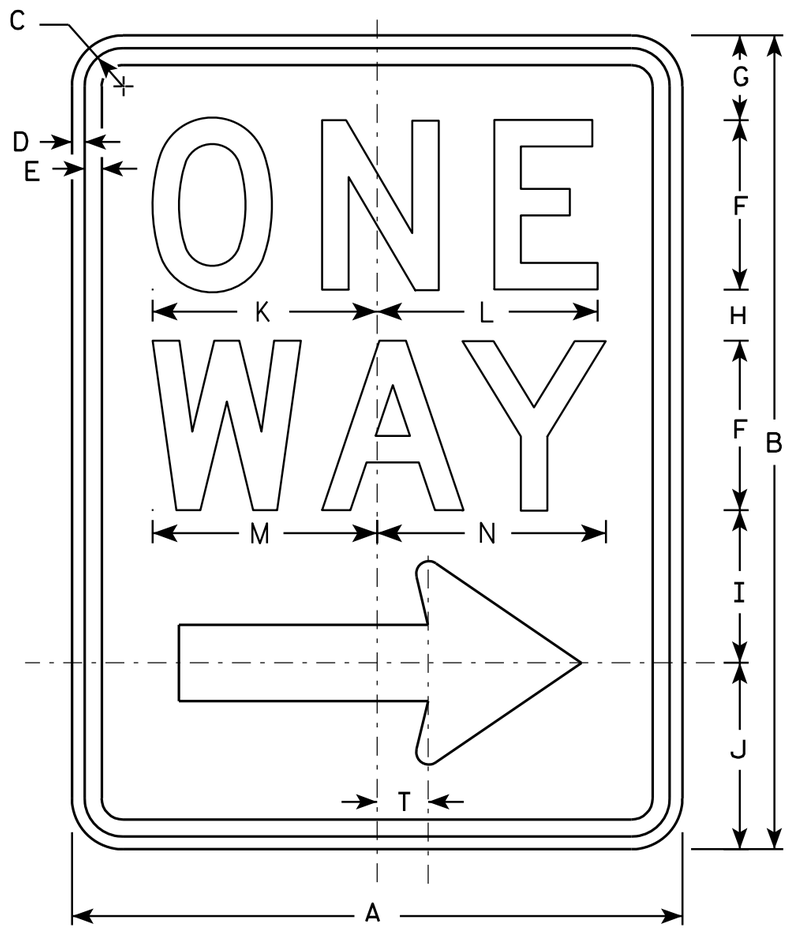
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/17/10 PLATE NO. R6-1.2

PROJECT NO:

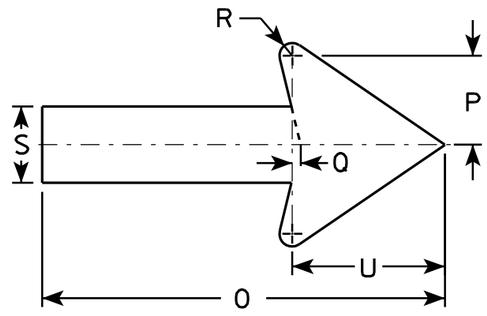
SHEET NO: 263 E



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

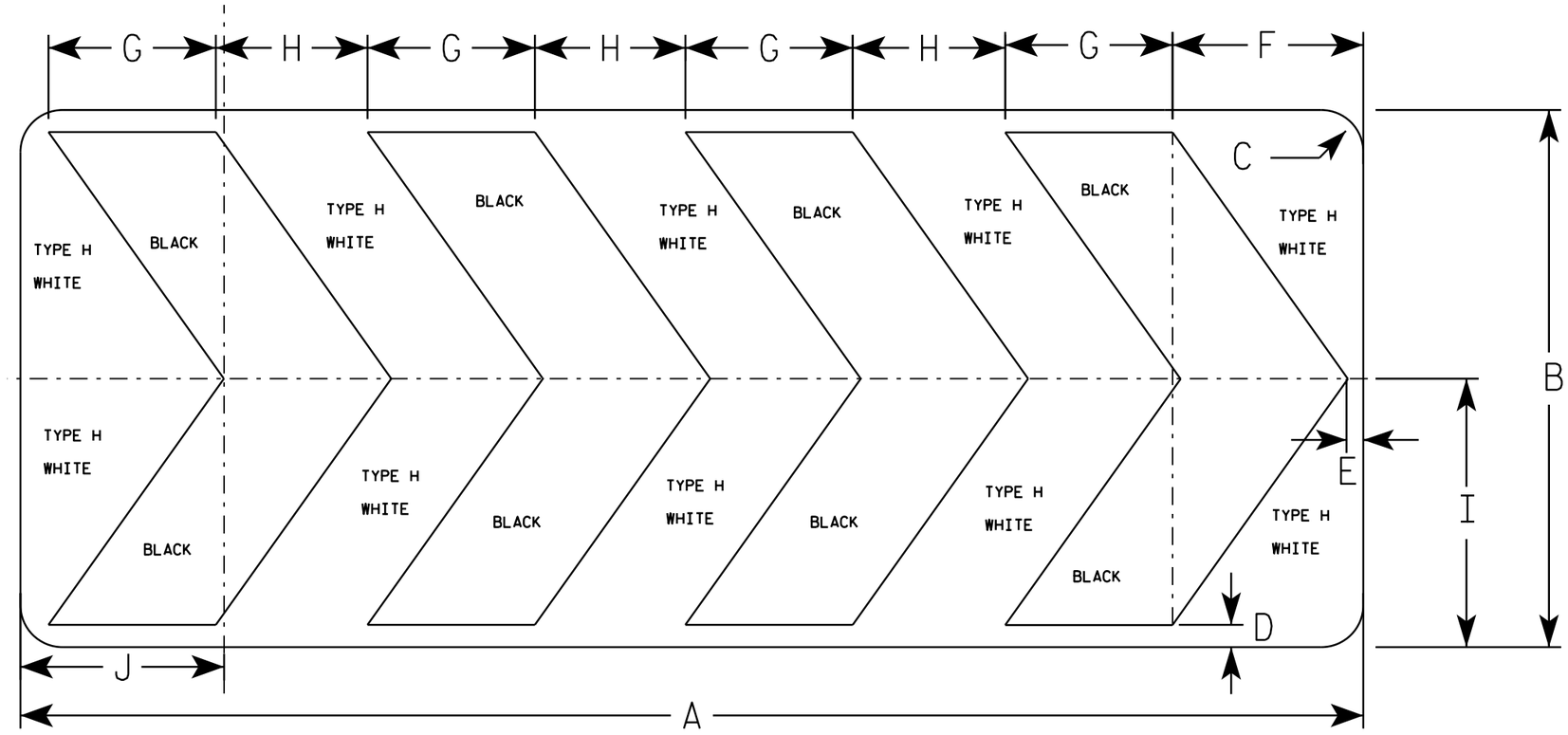
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/2/10 PLATE NO. R6-2.8

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 264	E

NOTES

1. Sign is Type II - Type H Reflective
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	Area sq. ft.
1																											
2S	60	24	1 7/8	1	3/4	8 1/2	7 1/2	6 3/4	12	9 1/8																	10.0
2M	60	24	1 7/8	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

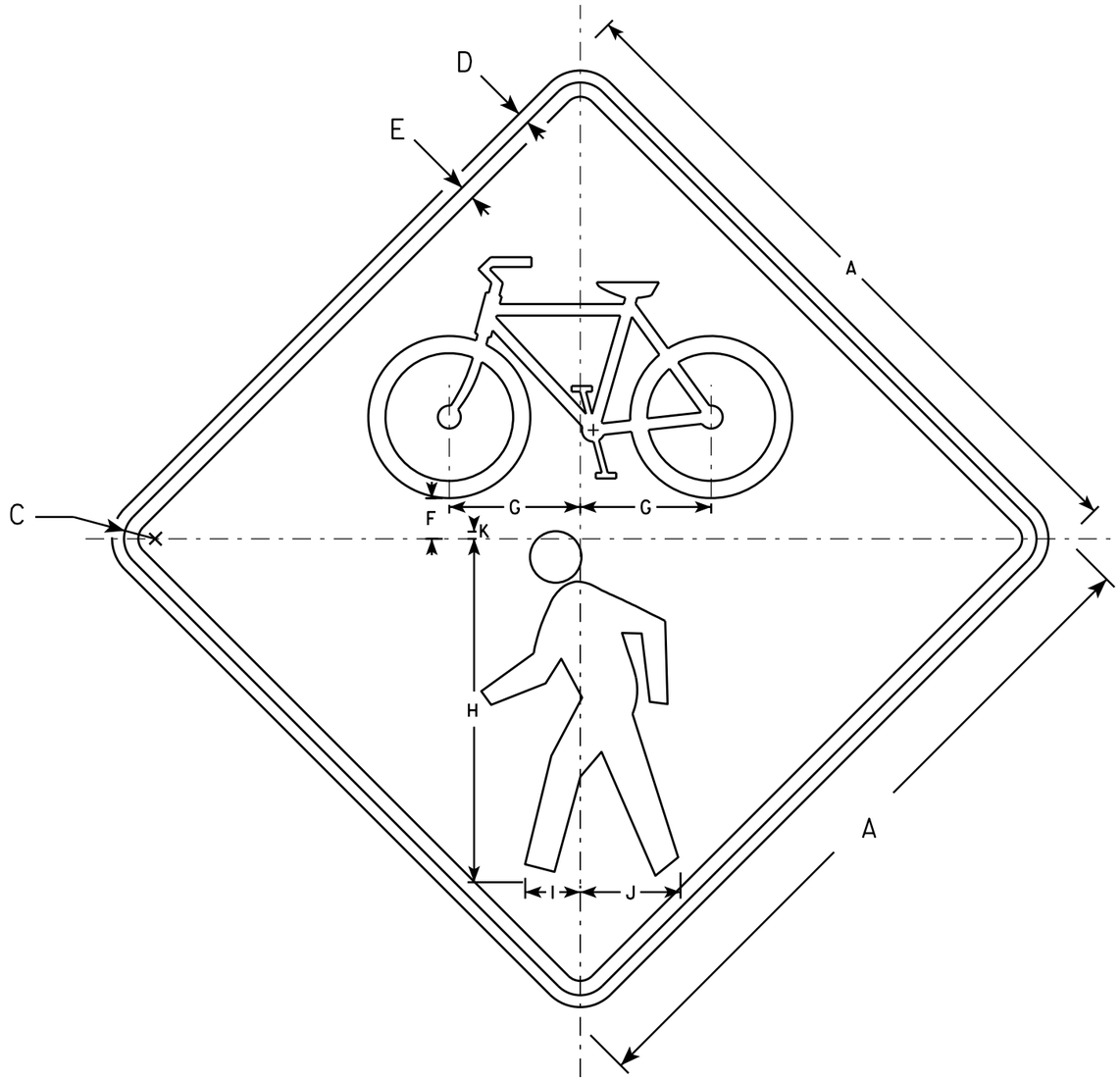
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 8/21/14 PLATE NO. R6-4.3

PROJECT NO: SHEET NO: E

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\R64B.DGN PLOT DATE : 21-AUG-2014 15:01 PLOT BY : mscsja

WISDOT/CADDS SHEET 42



W11-15

NOTES

1. Sign is Type II - Type F Reflective
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	1 3/8	4 5/8	12	1 7/8	3 1/2	1/4																4.0
2S	30		1 3/8	1/2	5/8	1 3/4	5 3/4	15	2 3/8	4 3/8	3/8																6.25
2M	36		1 5/8	5/8	3/4	2 1/8	6 7/8	18	2 7/8	5 1/4	3/8																9.0
3	36		1 5/8	5/8	3/4	2 1/8	6 7/8	18	2 7/8	5 1/4	3/8																16.0
4	48		2 1/4	3/4	1	2 7/8	9 1/8	24	3 7/8	7	1/2																16.0
5																											

STANDARD SIGN
W11-15

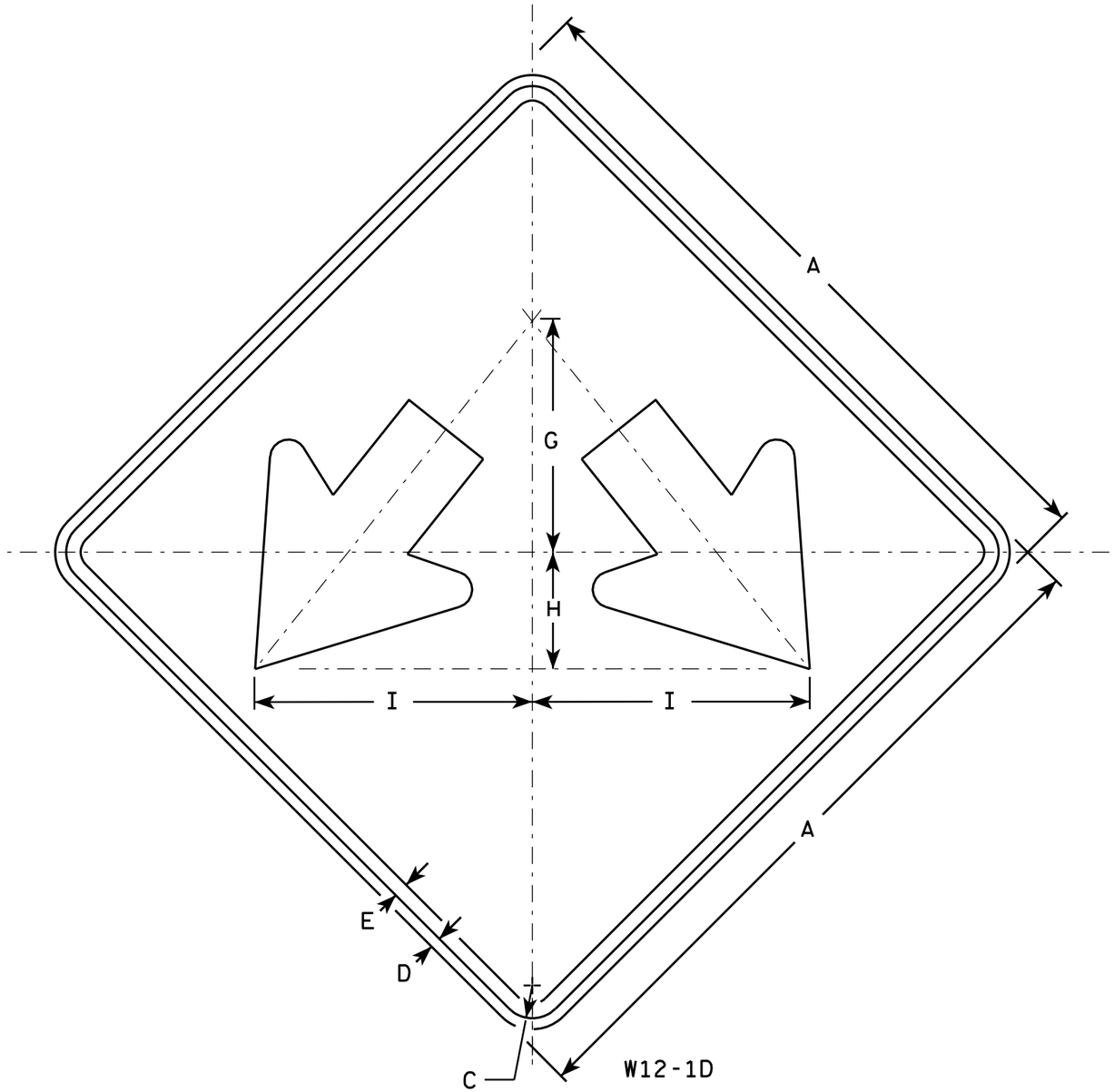
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch for State Traffic Engineer

DATE 2/13/14 PLATE NO. W11-15.4

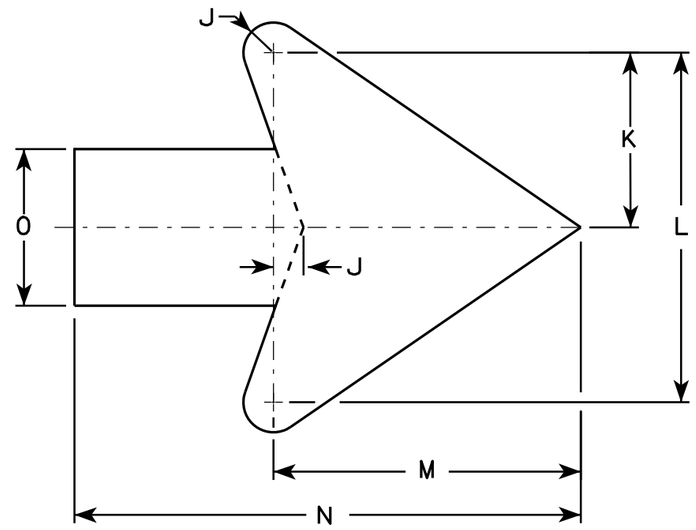
PROJECT NO: | HWY: | COUNTY: | SHEET NO: E

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\W1115.DGN PLOT DATE : 13-FEB-2014 10:54 PLOT BY : mscsja PLOT NAME : PLOT SCALE : 7.783368:1.000000
WISDOT/CADDS SHEET 42



NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Yellow
   Message - Black
3. 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.



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	24		1 1/8	1/2	3/8		8	4	9 1/2	3/8	3 3/8	7 1/4	6 3/8	10 3/8	3 1/4												4.0
2M	24		1 1/8	1/2	3/8		8	4	9 1/2	3/8	3 3/8	7 1/4	6 3/8	10 3/8	3 1/4												4.0
3	30		1 3/8	1/2	5/8		10	5	11 7/8	3/4	4 1/2	9	7 7/8	13	4												6.25
4	36		1 3/8	1/2	5/8		12	6	14 1/4	1	5 1/2	10 7/8	9 5/8	15 3/4	4 3/4												9.0
5	48		2 1/4	3/4	1		16	8	19	1 1/4	7 1/4	14 1/2	12 3/4	21	6 1/4												16.0

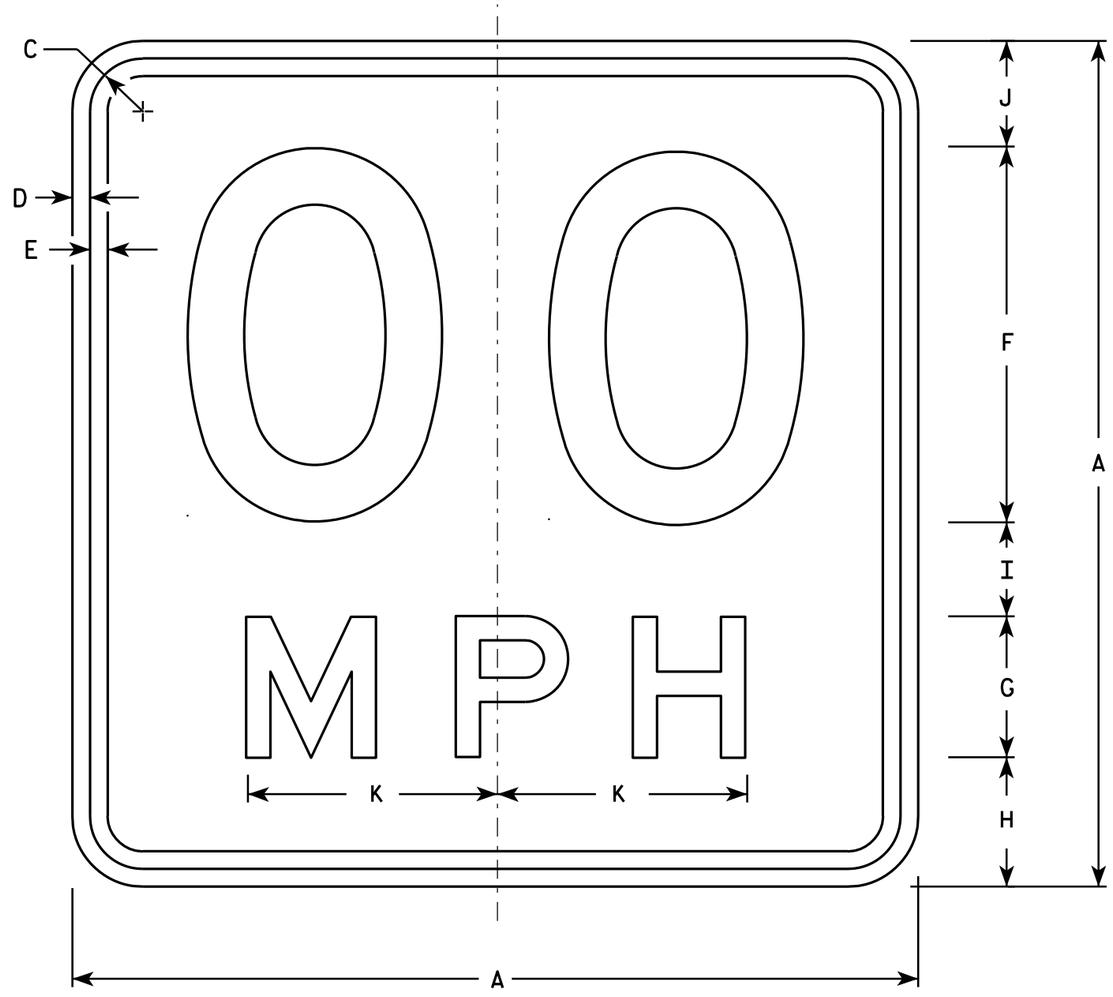
STANDARD SIGN
W12-1D

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/13/13 PLATE NO. W12-1D.15

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 267 | 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 F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Yellow
   Message - Black
3. Message Series - See Note 6
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Substitute appropriate numerals and optically space about centerline to achieve proper balance.
6. Line 1 is Series D
   Line 2 is Series E

	SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
	1	18		1 1/8	3/8	3/8	8	3	2 3/4	2	2 1/4	5 3/8																2.25
*	2S	18		1 1/8	3/8	3/8	8	3	2 3/4	2	2 1/4	5 3/8																2.25
*	2M	18		1 1/8	3/8	3/8	8	3	2 3/4	2	2 1/4	5 3/8																2.25
	3	24		1 1/8	3/8	1/2	10	4	4	2 3/4	3 1/4	6 5/8																4.00
	4	36		1 5/8	5/8	3/4	16	6	5 1/2	4	4 1/2	10 5/8																9.00
	5	36		1 5/8	5/8	3/4	16	6	5 1/2	4	4 1/2	10 5/8																9.00

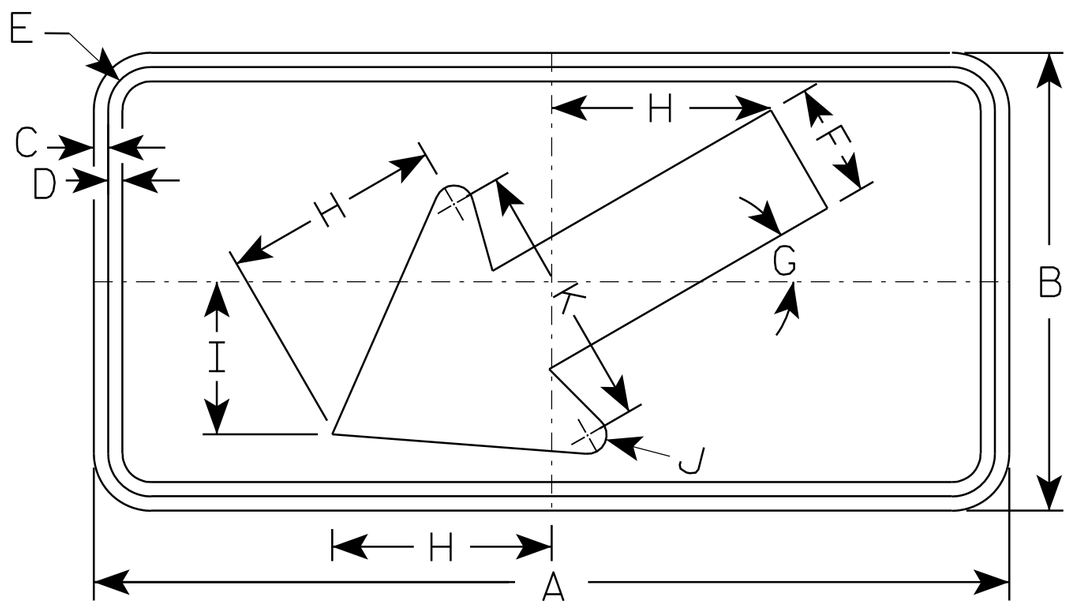
STANDARD SIGN
W13-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
For State Traffic Engineer

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

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 268 | E



W16-7L

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Yellow
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. W16-7R is the same as W16-L except the arrow is reversed along the vertical centerline.

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

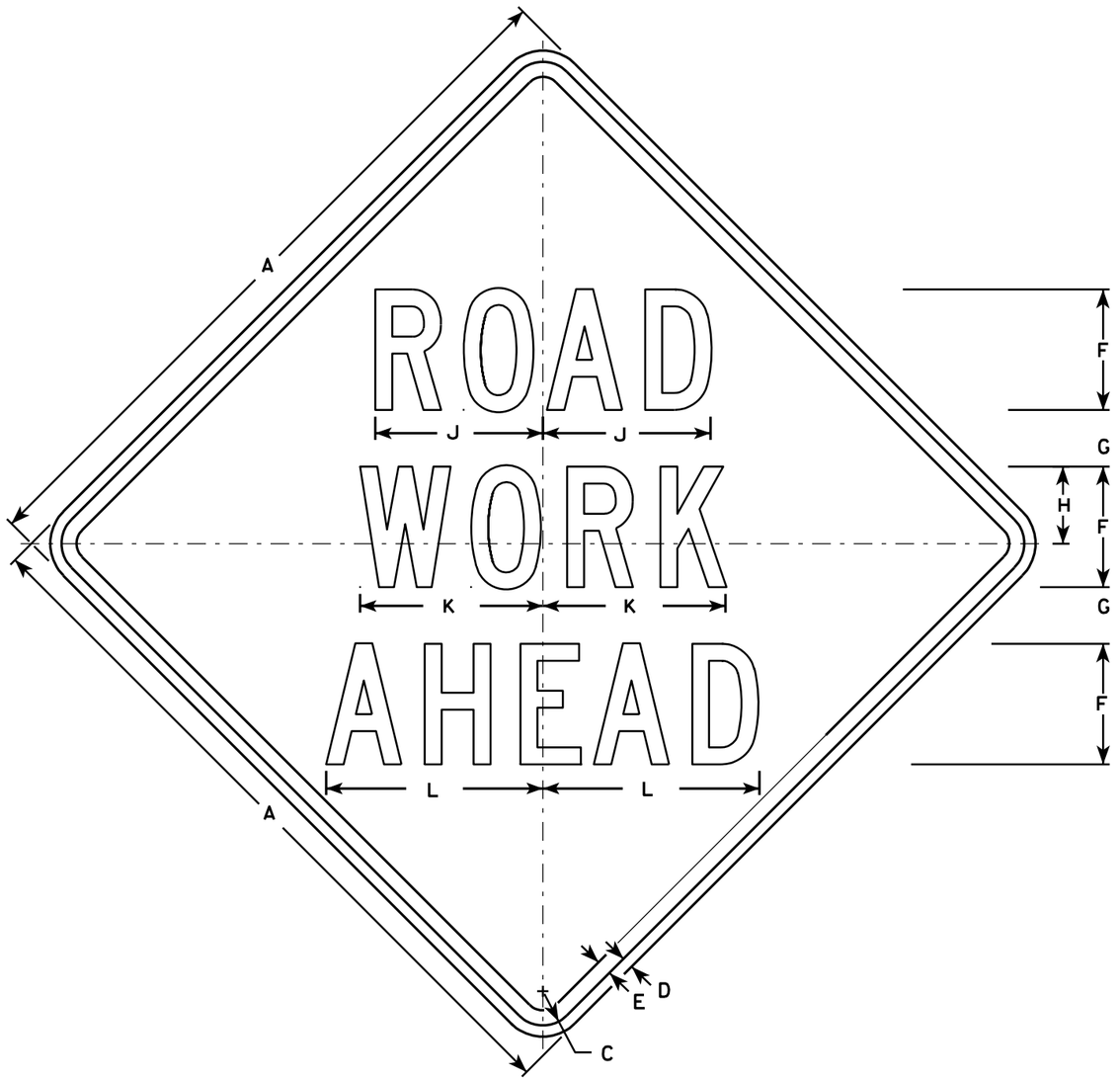
STANDARD SIGN
W16-7

WISCONSIN DEPT OF TRANSPORTATION

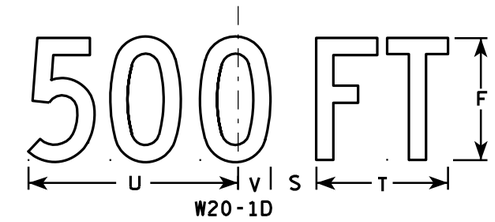
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/02/10 PLATE NO. W16-7.5

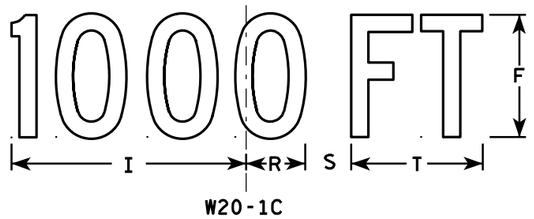
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 269	E



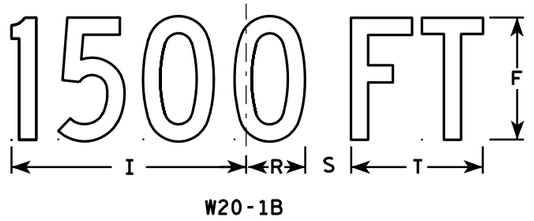
W20-1A



W20-1D

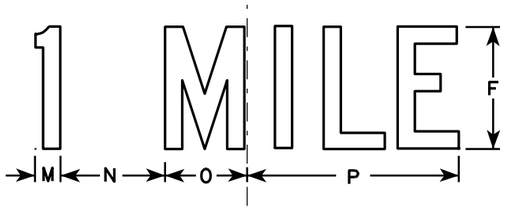


W20-1C



W20-1B

W20-1G



W20-1F

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Message Series - 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	36		1 3/8	1/2	5/8	5	2 5/8	3 1/4	10 1/8	7	7 5/8	8 7/8	1 1/8	4 1/2	3 1/2	9		2 1/2	1 7/8	5 5/8	9	1 3/8	8	1 3/4	10 3/4	6	9.0
2S	48		2 1/4	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 7/8	5 3/8	13 7/8		3 7/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0
2M	48		2 1/4	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 7/8	5 3/8	13 7/8		3 7/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0
3	48		2 1/4	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 7/8	5 3/8	13 7/8		3 7/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0
4	48		2 1/4	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 7/8	5 3/8	13 7/8		3 7/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0
5	48		2 1/4	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 7/8	5 3/8	13 7/8		3 7/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0

STANDARD SIGN
W20-1A, B, C, D, F & G

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/18/11 PLATE NO. W20-1.9

PROJECT NO:

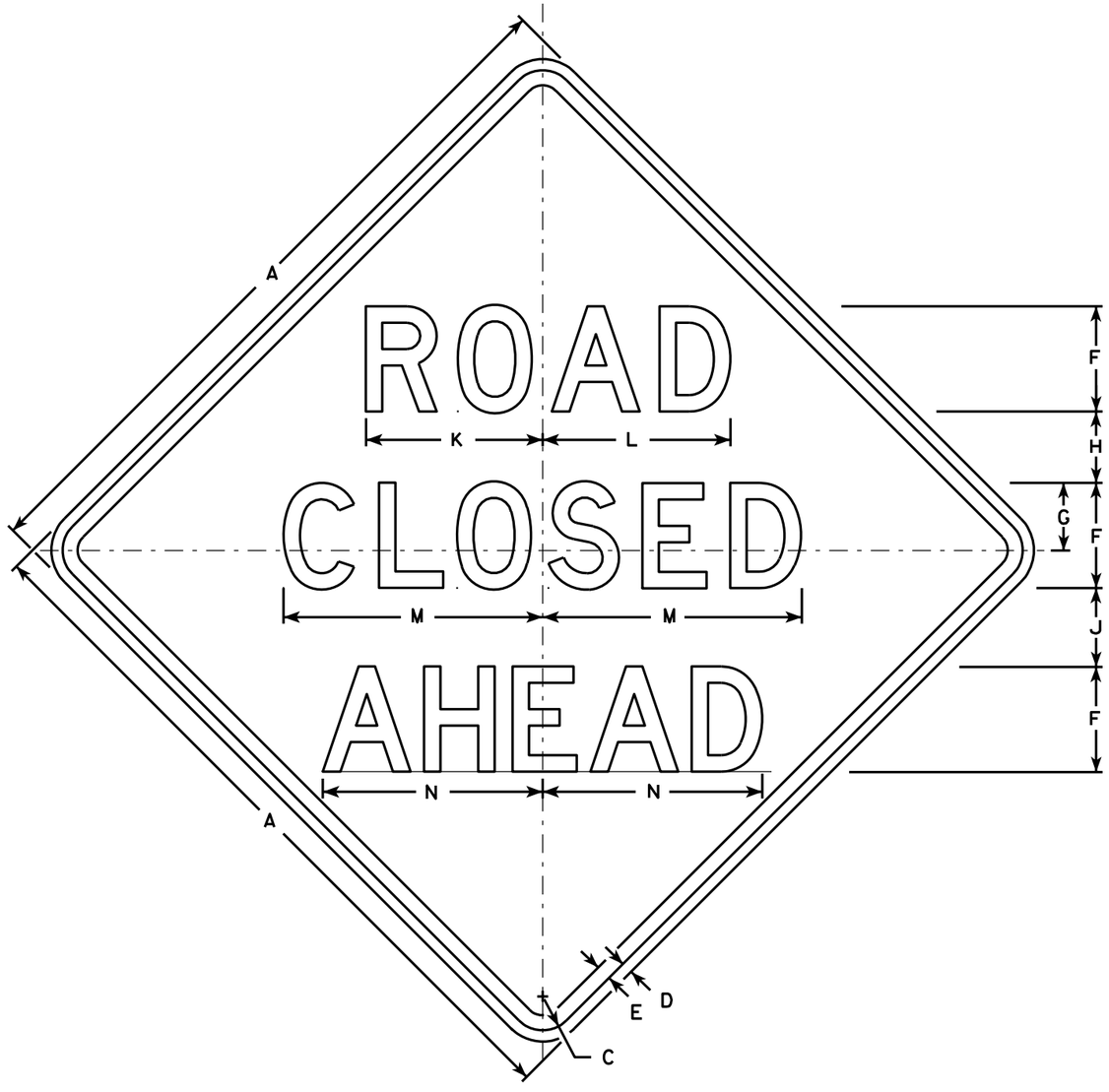
SHEET NO: 270 E

FILE NAME : C:\Users\PROJECTS\tr_stdplate\W201.DGN PLOT DATE : 18-MAR-2011 09:56 PLOT BY : mscj9h

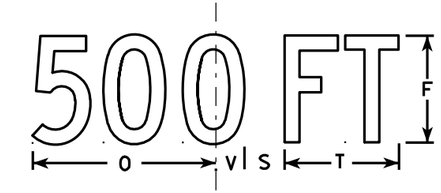
WISDOT/CADDS SHEET 42

7

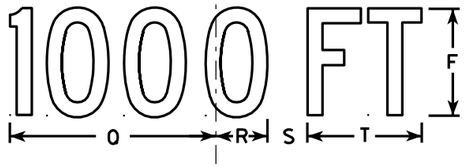
7



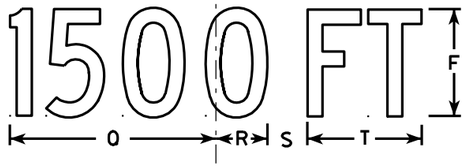
W20-3A



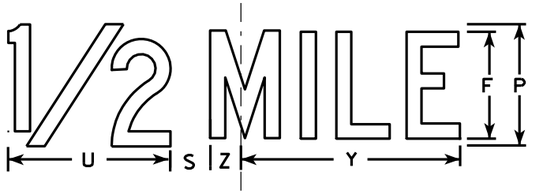
W20-3D



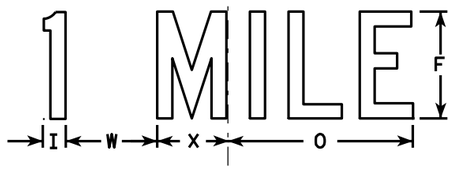
W20-3C



W20-3B



W20-3G



W20-3F

NOTES

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

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

STANDARD SIGN
W20-3A, B, C, D, F & G

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer
DATE 3/18/11 PLATE NO. W20-3.7

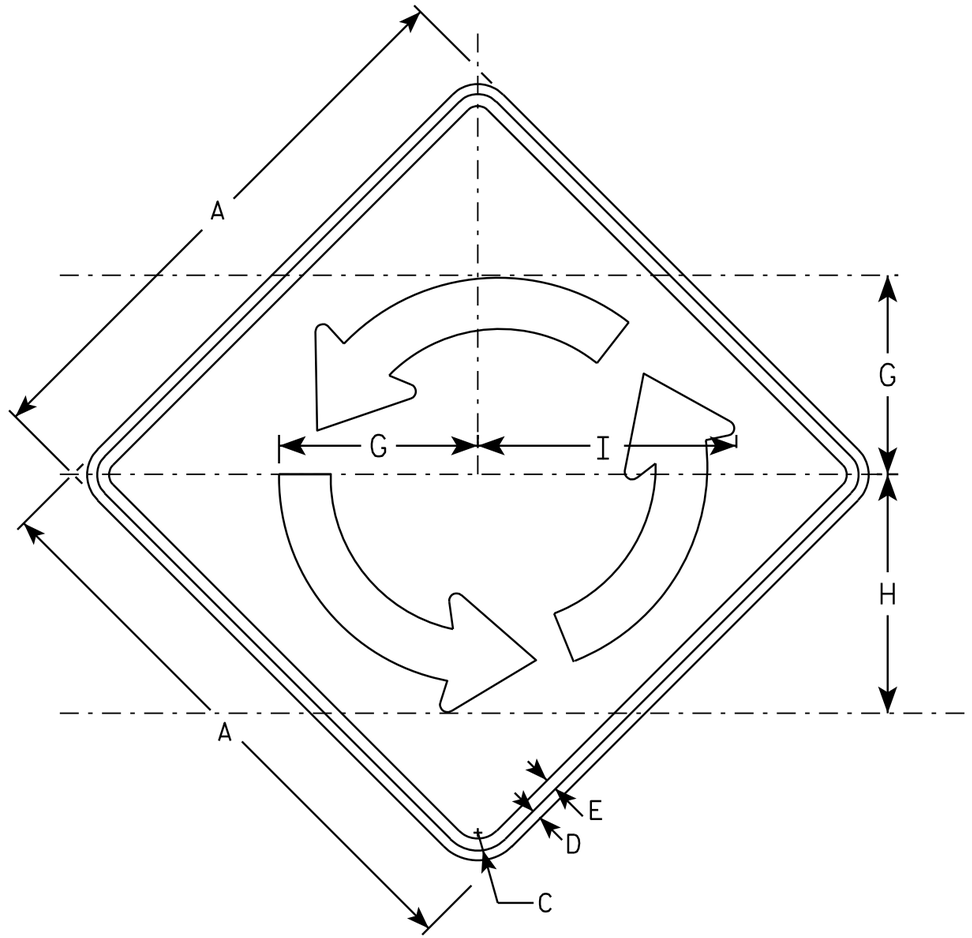
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 271 | E

FILE NAME : C:\Users\PROJECTS\tr_stdplate\W203.DGN PLOT DATE : 18-MAR-2011 12:08 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 9.931739:1.000000

WISDOT/CADDS SHEET 42

7

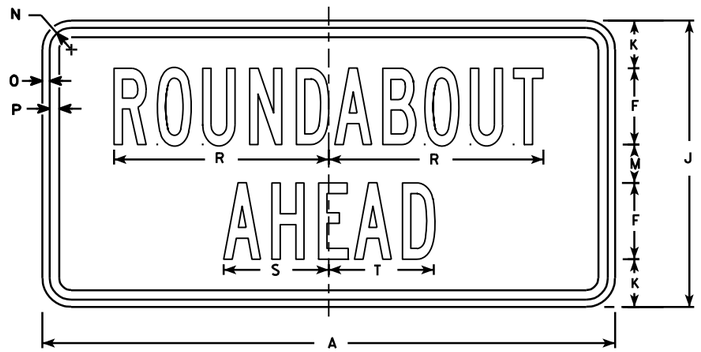
7



W2-6

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - YELLOW
   Message - BLACK
3. 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

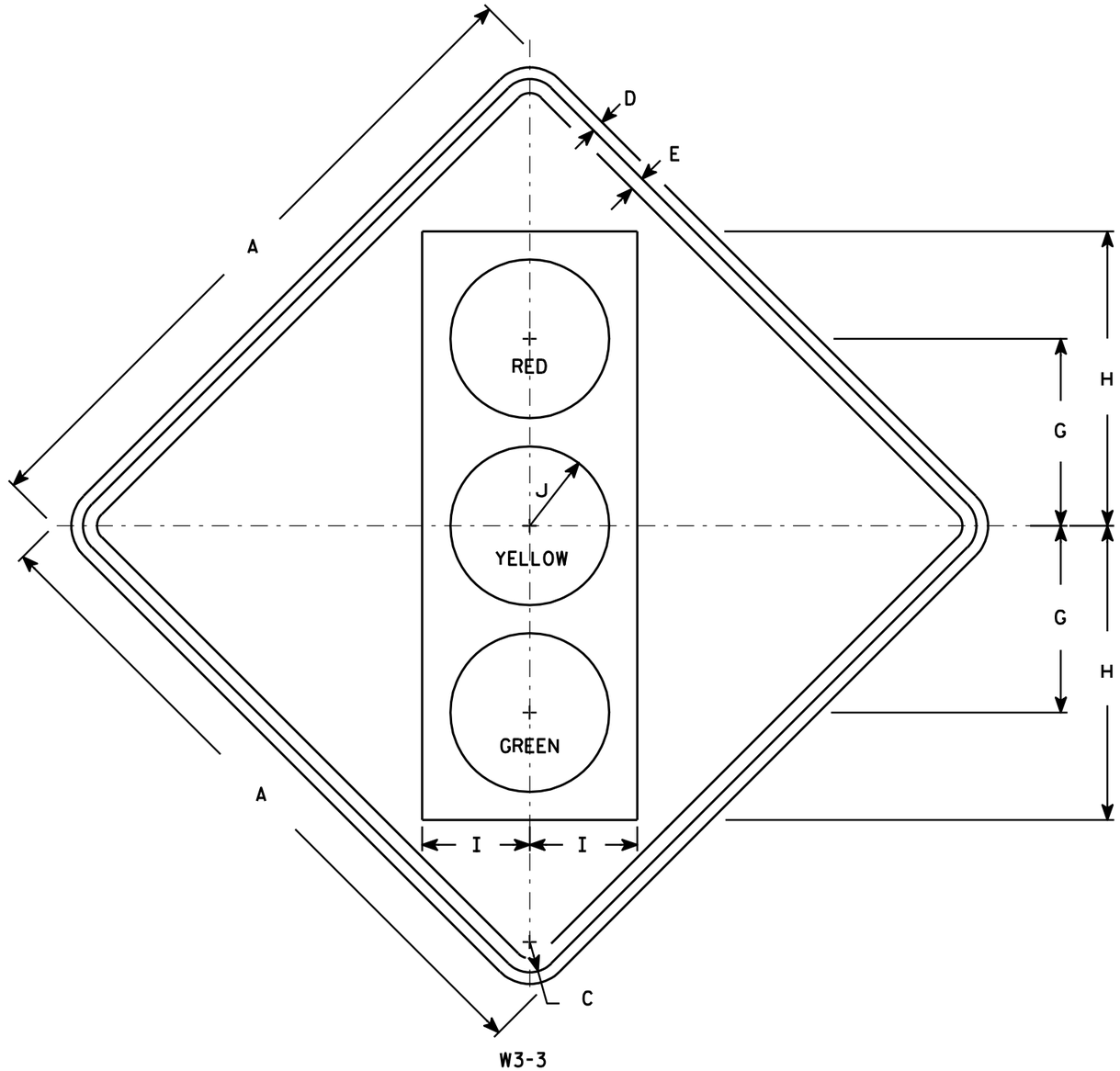
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 6/29/12 PLATE NO. W2-6.5

PROJECT NO:

SHEET NO: 272 E



NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Yellow
   Message - 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. Symbol and border are non-reflective black.
   Top circle - Type H Reflectorized Red
   Center circle - Same as background
   Bottom circle - Type H Reflectorized Green

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		8 3/4	13 3/4	5	3 3/4																	6.25
2S	36		1 5/8	5/8	3/4		10	15 3/4	5 3/4	4 1/4																	9.0
2M	36		1 5/8	5/8	3/4		10	15 3/4	5 3/4	4 1/4																	9.0
3	36		1 5/8	5/8	3/4		10	15 3/4	5 3/4	4 1/4																	9.0
4	48		2 1/4	3/4	1		12 1/2	20	7 1/2	5																	16.0
5	48		2 1/4	3/4	1		12 1/2	20	7 1/2	5																	16.0

STANDARD SIGN
W3-3

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 6/7/10 PLATE NO. W3-3.11

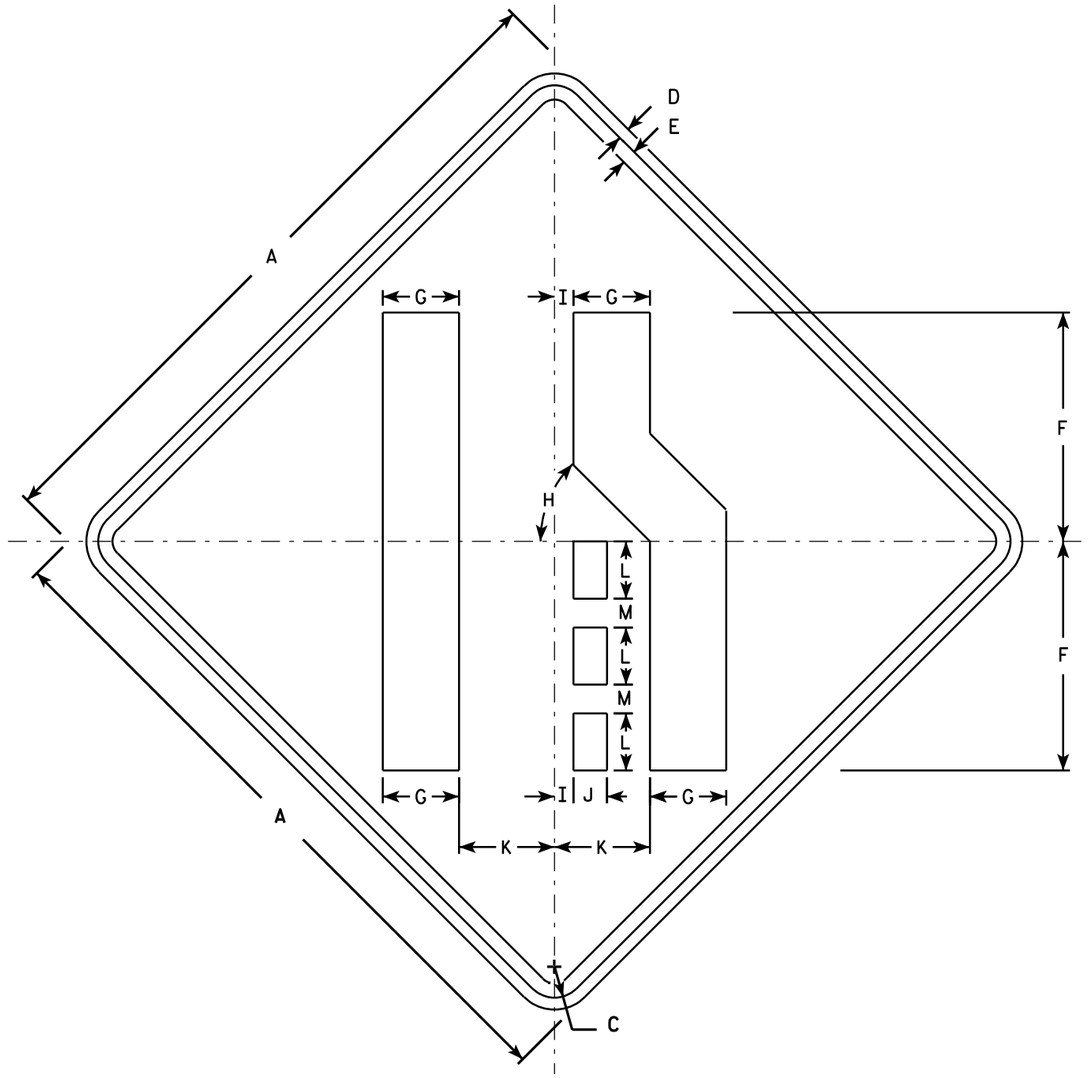
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 273 | E

FILE NAME : C:\Users\PROJECTS\tr_stdplate\W33.DGN PLOT DATE : 07-JUN-2010 13:07 PLOT BY : ditjph PLOT NAME : PLOT SCALE : 7.448805:1.000000

WISDOT/CADDS SHEET 42

7

7



W4-2R

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Yellow
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. W4-2L is the same as W4-2R except the symbol is reversed along the vertical centerline.

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	10	3 3/8	45°	7/8	1 1/2	4 1/4	2 1/2	1 1/4														6.25
2S	36		1 5/8	5/8	3/4	12	4	45°	1	1 3/4	5	3	1 1/2														9.0
2M	36		1 5/8	5/8	3/4	12	4	45°	1	1 3/4	5	3	1 1/2														9.0
3	36		1 5/8	5/8	3/4	12	4	45°	1	1 3/4	5	3	1 1/2														9.0
4	48		2 1/4	3/4	1	16	5 3/8	45°	1 1/4	2 3/8	6 3/4	4	2														16.0
5	48		2 1/4	3/4	1	16	5 3/8	45°	1 1/4	2 3/8	6 3/4	4	2														16.0

STANDARD SIGN
W4-2

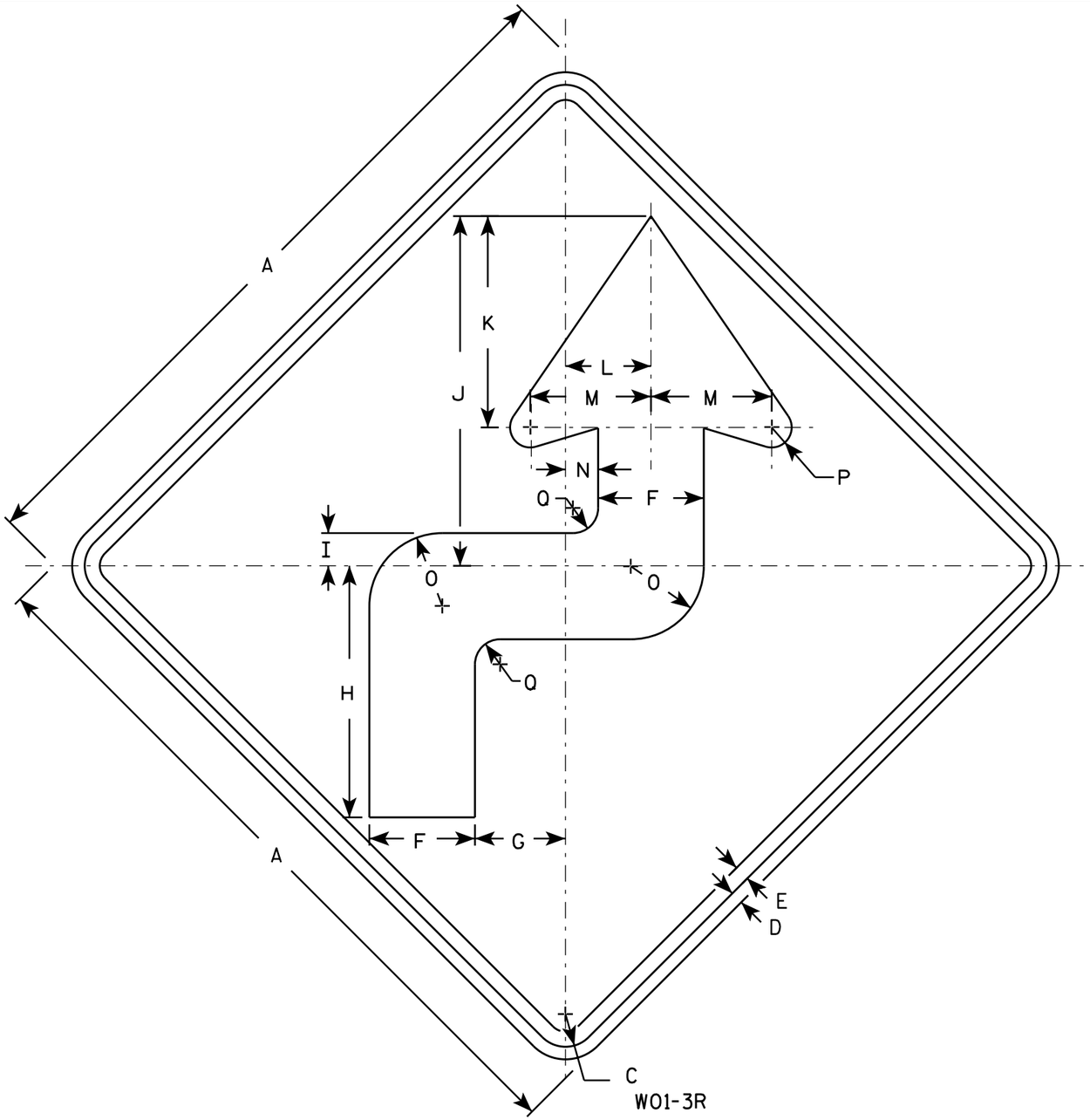
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/12/13 PLATE NO. W4-2.14

PROJECT NO:

SHEET NO: 274 E



NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. 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. W01-3L is the same as W01-3R except the arrow is reversed along the vertical centerline.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		1 5/8	5/8	3/4	5 1/4	4 1/2	12 1/2	1 5/8	17 3/8	10 1/2	4 1/4	6	1 5/8	3 5/8	1	1 1/4										9.0
2S	48		2 1/4	3/4	1	7	6	16 5/8	2 1/4	23 1/4	14	5 5/8	8	2 1/8	4 7/8	1 1/4	1 5/8										16.0
2M	48		2 1/4	3/4	1	7	6	16 5/8	2 1/4	23 1/4	14	5 5/8	8	2 1/8	4 7/8	1 1/4	1 5/8										16.0
3	48		2 1/4	3/4	1	7	6	16 5/8	2 1/4	23 1/4	14	5 5/8	8	2 1/8	4 7/8	1 1/4	1 5/8										16.0
4	48		2 1/4	3/4	1	7	6	16 5/8	2 1/4	23 1/4	14	5 5/8	8	2 1/8	4 7/8	1 1/4	1 5/8										16.0
5	48		2 1/4	3/4	1	7	6	16 5/8	2 1/4	23 1/4	14	5 5/8	8	2 1/8	4 7/8	1 1/4	1 5/8										16.0

STANDARD SIGN
W01-3

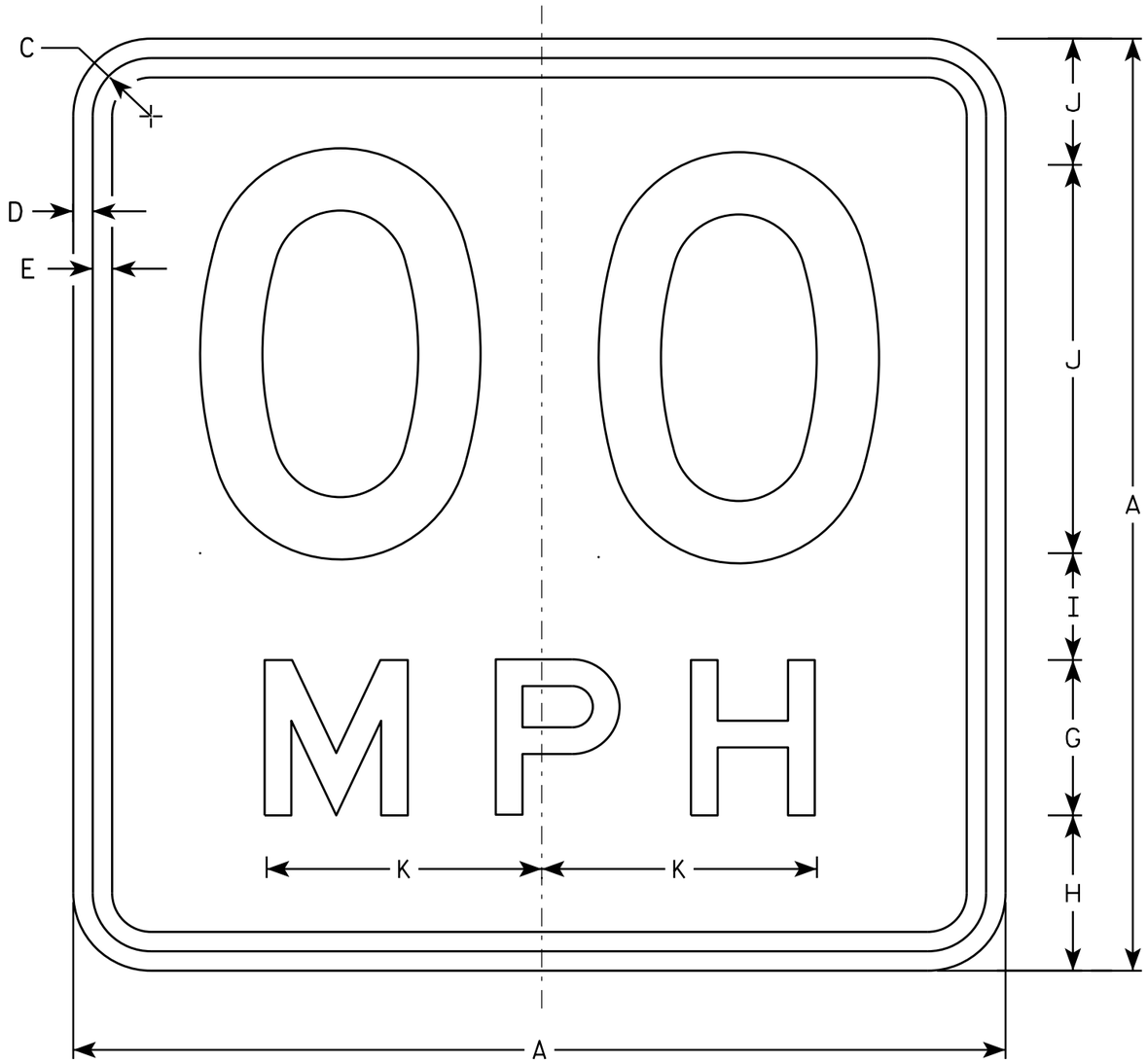
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/18/13 PLATE W01-3.1

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

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\W013.DGN PLOT DATE : 28-FEB-2014 11:35 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 6.567217:1.000000
WISDOT/CADDS SHEET 42



W013-1

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Message Series - See Note 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	24		1 1/8	3/8	1/2	10	4	4	2 3/4	3 1/4	7 1/8																4.00
2S	36		1 5/8	5/8	3/4	16	6	5 1/2	4	4 1/2	10 5/8																9.00
2M	36		1 5/8	5/8	3/4	16	6	5 1/2	4	4 1/2	10 5/8																9.00
3	36		1 5/8	5/8	3/4	16	6	5 1/2	4	4 1/2	10 5/8																9.00
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

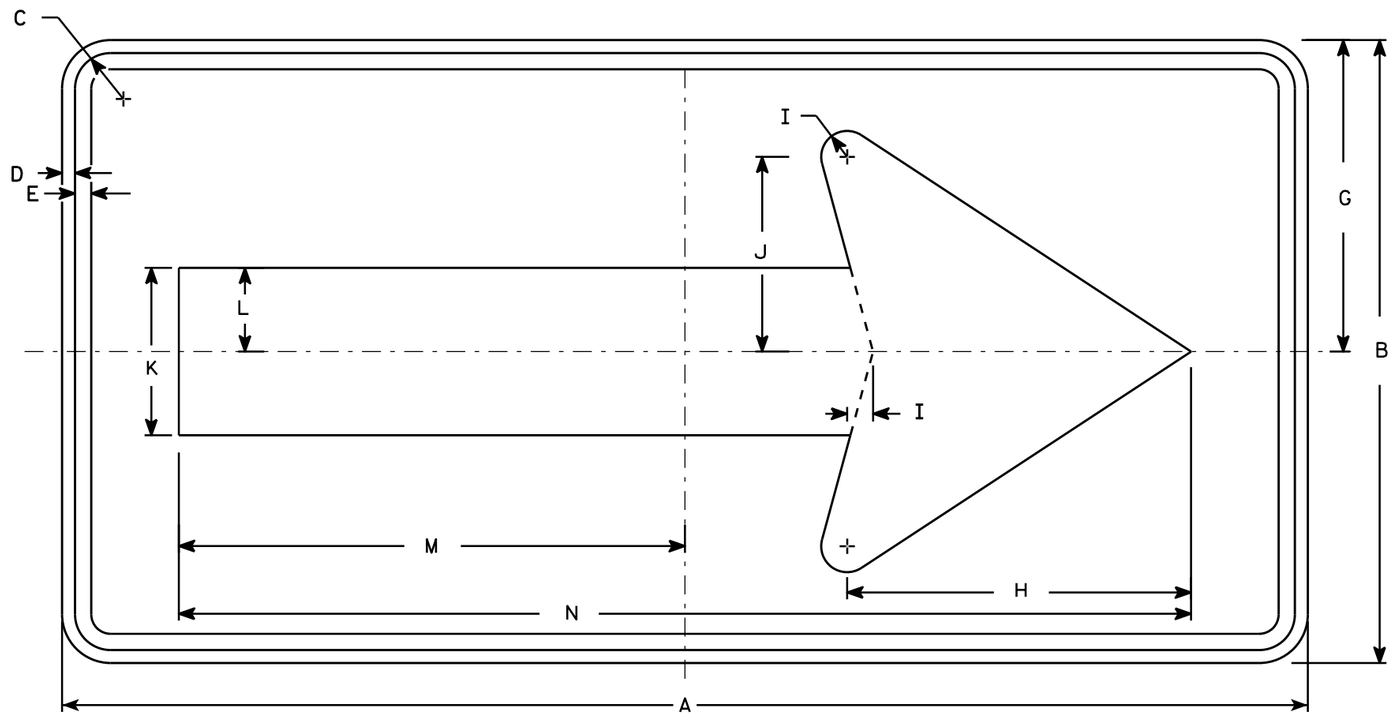
STANDARD SIGN
W013-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/21/13 PLATE 276 W013-1.1

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E



W01-6

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   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																											
2S	48	24	1 3/8	1/2	5/8		12	13 1/4	1	7 1/2	6 1/2	3 1/4	19 1/2	39													8.0
2M	48	24	1 3/8	1/2	5/8		12	13 1/4	1	7 1/2	6 1/2	3 1/4	19 1/2	39													8.0
3	60	30	1 3/8	1/2	5/8		15	16 1/4	1 1/4	9 1/4	8	4	24 3/8	48 3/4													12.5
4	60	30	1 3/8	1/2	5/8		15	16 1/4	1 1/4	9 1/4	8	4	24 3/8	48 3/4													12.5
5	60	30	1 3/8	1/2	5/8		15	16 1/4	1 1/4	9 1/4	8	4	24 3/8	48 3/4													12.5

STANDARD SIGN
W01-6

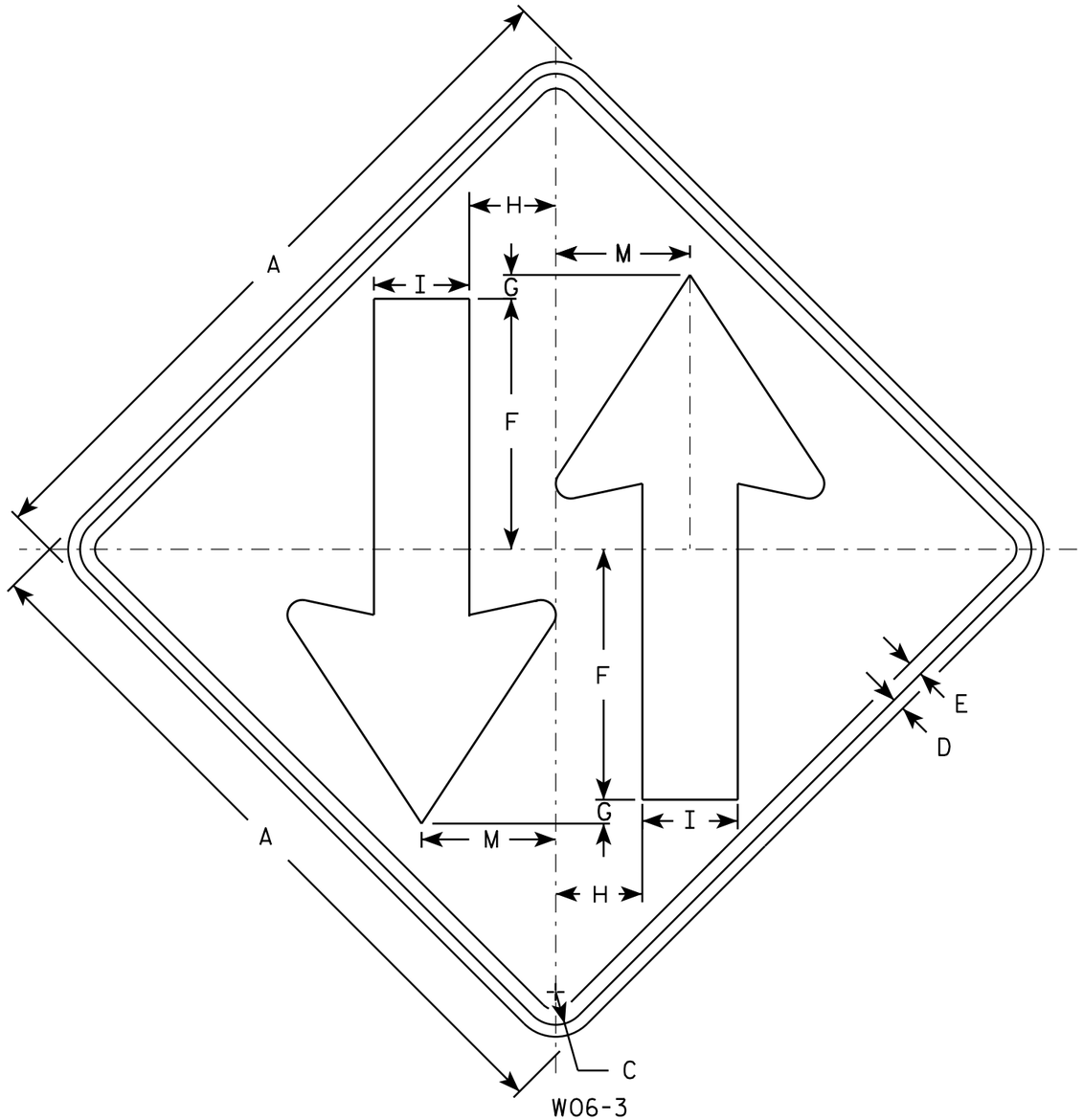
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/18/13 PLATE W01-6.1

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

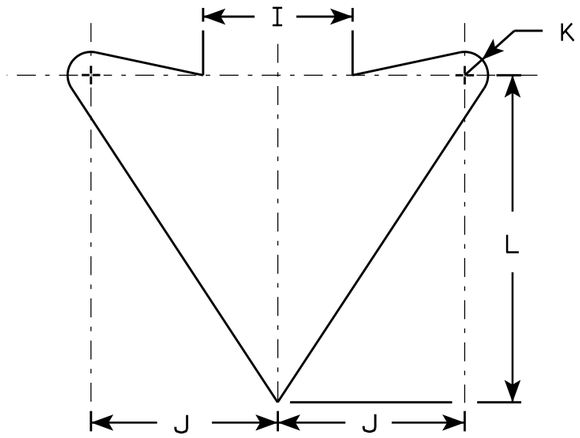
FILE NAME : C:\CAEfiles\Projects\tr_stdplate\W016.DGN PLOT DATE : 28-FEB-2014 11:37 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 5.837526:1.000000 WISDOT/CADDS SHEET 42



W06-3

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. 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.



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	36		1 5/8	5/8	3/4	12	1	4 1/4	5	6	3/4	10 1/2	6 3/4														9.0
2S	48		2 1/4	3/4	1	15 1/2	1	6	6	8	1	14	9														16.0
2M	48		2 1/4	3/4	1	15 1/2	1	6	6	8	1	14	9														16.0
3	48		2 1/4	3/4	1	15 1/2	1	6	6	8	1	14	9														16.0
4	48		2 1/4	3/4	1	15 1/2	1	6	6	8	1	14	9														16.0
5	48		2 1/4	3/4	1	15 1/2	1	6	6	8	1	14	9														16.0

STANDARD SIGN
W06-3

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/20/13 PLATE 278 W06-3.1

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

STATION	Real Station	Distance	AREA (SF) Cut	AREA (SF) Salvaged/Unusable Pavement Material	AREA (SF) Fill	Incremental Vol (CY) (Unadjusted) Cut Note 1	Incremental Vol (CY) (Unadjusted) Salvaged/Unusable Pavement Material Note 2	Incremental Vol (CY) (Unadjusted) Fill Note 3	Cumulative Vol (CY) Cut 1 Note 1	Cumulative Vol (CY) Expanded Fill 1	Mass Ordinate Note 8
10+25	1025	0	71	99	165	0	0	0	0	0	0
11+00	1100	75	144	46	147	299	201	433	299	541	-442
11+57	1157	57	177	109	121	340	163	283	639	894	-619
12+06	1206	49	192	76	116	335	167	215	974	1163	-721
12+66	1266	60	153	104	159	383	200	306	1357	1546	-920
13+07	1307	41	206	134	184	273	180	261	1630	1871	-1153
13+56	1356	49	75	93	206	255	206	354	1885	2314	-1547
13+92	1392	36	30	113	215	70	138	281	1955	2665	-1965
14+27.3	1427	35	32	117	199	40	150	271	1995	3003	-2414
14+34.8	1435	8	12	48	135	6	23	46	2001	3061	-2488
			CTH CE / EISENHOWER R-A-B TOTALS:			2001	1428	2449			

1) Common Excavation is the sum of the Cut and EBS Excavation columns. Item number 205.0100
2) Salvaged/Unsuable Pavement Material is included in Cut.
3) EBS Excavation to be backfilled with Select Borrow material. Note: this is designers choice, can be backfilled with Borrow, or Cut as well.
4) Salvaged/Unusable Pavement Material
5) Available Material = Cut - Salvaged/Unusuable Pavement Material
13) Expanded Fill. Factor = 1.25
Depending on selections: **Expanded Fill = (Unexpanded Fill - Rock* Rock Factor - Reduced Marsh - Reduced EBS) * Fill Factor**
Or Expanded Fill = (Unexpanded Fill - Rock* Rock Factor - Reduced EBS) * Fill Factor
Or Expanded Fill = (Unexpanded Fill - Rock* Rock Factor - Reduced Marsh) * Fill Factor
Or Expanded Fill = (Unexpanded Fill - Rock* Rock Factor) * Fill Factor
14) The Mass Ordinate + or - Qty calculated for the Division. Plus quantity indicates an excess of material within the Division. Minus indicates a shortage of material within the Division.

STATION	Real Station	Distance	AREA (SF) Cut	AREA (SF) Salvaged / Unusable Pavement Material	AREA (SF) Fill	Incremental Vol (CY) (Unadjusted) Cut Note 1	Incremental Vol (CY) (Unadjusted) Salvaged / Unusable Pavement Material Note 2	Incremental Vol (CY) (Unadjusted) Fill Note 3	Cumulative Vol (CY) Cut 1 Note 1	Cumulative Vol (CY) Expanded Fill 1	Mass Ordinate Note 8
209+39.96	20940	0	82	34	13	0	0	0	0	0	0
209+50	20950	10	79	34	18	30	13	6	30	7	10
210+00	21000	50	69	32	20	137	61	35	167	51	41
210+50	21050	50	65	32	21	124	60	38	291	98	59
211+00	21100	50	68	32	37	123	60	53	414	165	55
211+50	21150	50	63	32	60	121	60	90	534	278	4
212+00	21200	50	55	32	141	109	60	187	643	511	-181
212+50	21250	50	51	32	115	98	60	238	741	809	-440
213+00	21300	50	48	32	118	91	60	217	832	1080	-680
213+50	21350	50	54	32	96	94	60	198	927	1327	-893
214+00	21400	50	63	32	102	109	59	183	1035	1556	-1072
214+50	21450	50	84	34	78	136	61	166	1172	1764	-1205
215+00	21500	50	122	37	95	191	66	160	1363	1964	-1280
215+50	21550	50	162	41	56	263	72	140	1626	2139	-1263
216+00	21600	50	223	48	62	356	82	109	1983	2275	-1126
216+50	21650	50	322	66	6	504	106	63	2487	2354	-806
217+00	21700	50	370	66	2	641	122	7	3128	2363	-297
217+50	21750	50	348	69	4	665	125	5	3793	2370	236
218+00	21800	50	273	81	13	575	138	15	4368	2389	654
220+50	22050	0	47	34	101	0	0	0	4368	2389	654
221+00	22100	50	91	0	25	128	32	117	4496	2535	604
221+50	22150	50	121	0	13	197	0	35	4692	2578	757
222+00	22200	50	129	0	7	232	0	18	4924	2600	967
222+50	22250	50	99	0	15	212	0	20	5136	2625	1154
223+00	22300	50	92	0	3	178	0	17	5313	2646	1311
223+50	22350	50	79	0	9	158	0	12	5472	2660	1454
224+00	22400	50	74	0	13	141	0	21	5613	2686	1570
224+50	22450	50	74	0	14	137	0	25	5749	2717	1675
225+00	22500	50	77	0	12	139	0	24	5889	2747	1785
225+50	22550	50	77	0	19	143	0	29	6032	2783	1892
226+00	22600	50	83	0	16	149	0	33	6180	2824	1999
226+07.51	22608	8	86	0	15	23	0	4	6204	2830	2017
226+50	22650	42	27	0	9	89	0	19	6292	2853	2082
227+00	22700	50	28	0	9	50	0	16	6343	2874	2112
227+50	22750	50	28	0	7	51	0	15	6394	2892	2145
228+00	22800	50	28	0	4	52	0	10	6446	2905	2184
228+50	22850	50	27	0	3	51	0	7	6496	2913	2226
229+00	22900	50	28	0	4	50	0	6	6547	2921	2269
229+50	22950	50	29	0	0	52	0	3	6599	2926	2317
230+00	23000	50	27	0	0	52	0	0	6651	2926	2368
230+50	23050	50	26	0	0	50	0	0	6700	2926	2418
231+00	23100	50	26	0	0	48	0	0	6748	2926	2466
231+50	23150	50	25	0	0	47	0	0	6795	2926	2513
231+75	23175	25	0	0	0	12	0	0	6807	2926	2525
					CTH CE EB TOTALS:	6807	1357	2340			

STATION	Real Station	Distance	AREA (SF) Cut	AREA (SF) Salvaged / Unusable Pavement Material	AREA (SF) Fill	Incremental Vol (CY) (Unadjusted) Cut Note 1	Incremental Vol (CY) (Unadjusted) Salvaged / Unusable Pavement Material Note 2	Incremental Vol (CY) (Unadjusted) Fill Note 3	Cumulative Vol (CY) Cut 1 Note 1	Cumulative Vol (CY) Expanded Fill 1	Mass Ordinate Note 8
201+93.2	20193	0	40	10	0	0	0	0	0	0	0
202+00	20200	7	39	10	0	10	3	0	10	0	7
202+50	20250	50	55	30	0	87	37	0	97	0	58
203+00	20300	50	50	27	0	97	53	0	194	0	102
203+50	20350	50	29	2	0	74	27	0	268	0	149
204+00	20400	50	26	0	1	51	2	1	319	2	196
204+50	20450	50	26	0	1	48	0	2	367	4	242
205+00	20500	50	27	0	2	49	0	3	415	7	287
205+50	20550	50	28	0	2	50	0	3	466	11	333
206+00	20600	50	28	0	3	51	0	4	517	17	379
206+50	20650	50	29	0	2	52	0	4	569	21	426
207+00	20700	50	28	0	6	52	0	7	621	30	470
207+50	20750	50	29	0	3	53	0	8	674	41	512
208+00	20800	50	29	0	3	54	0	6	728	48	559
208+50	20850	50	30	0	6	55	0	8	783	59	602
209+00	20900	50	28	0	12	53	0	16	836	79	635
209+50	20950	50	27	0	15	51	0	25	887	111	654
210+00	21000	50	28	0	11	50	0	24	937	141	674
210+50	21050	50	28	0	13	51	0	22	988	169	697
211+00	21100	50	28	0	17	51	0	28	1039	204	714
211+50	21150	50	29	0	15	52	0	30	1092	241	729
212+00	21200	50	28	0	12	53	0	25	1144	273	750
212+50	21250	50	29	0	12	53	0	22	1197	301	775
212+80.32	21280	30	90	22	3	67	12	8	1264	311	818
213+00	21300	20	101	22	1	69	16	1	1333	313	870
213+50	21350	50	126	22	0	210	41	1	1543	313	1038
214+00	21400	50	153	23	0	258	42	0	1801	313	1255
214+50	21450	50	180	22	0	308	42	0	2110	313	1520
215+00	21500	50	189	22	3	342	41	3	2452	317	1817
215+50	21550	50	176	22	18	338	41	20	2790	343	2089
216+00	21600	50	153	17	24	305	36	40	3094	392	2308
216+50	21650	50	105	4	23	239	19	43	3333	447	2473
217+00	21700	50	78	0	14	169	4	34	3502	489	2597
217+50	21750	50	52	4	14	120	3	26	3623	521	2681
217+75	21775	25	69	13	23	56	8	17	3679	543	2708
220+50	22050	0	131	45	27	0	0	0	3679	543	2708
221+00	22100	50	154	0	39	264	42	61	3943	619	2854
221+50	22150	50	153	0	74	284	0	105	4227	750	3008
222+00	22200	50	131	0	78	263	0	141	4490	926	3095
222+50	22250	50	99	0	26	213	0	96	4703	1045	3188
223+00	22300	50	72	0	13	158	0	36	4861	1090	3301
223+50	22350	50	52	0	13	114	0	24	4975	1120	3385
224+00	22400	50	39	0	45	84	0	53	5060	1187	3403
224+50	22450	50	37	0	61	71	0	98	5131	1309	3352
225+00	22500	50	42	0	77	73	0	128	5204	1470	3264
225+50	22550	50	59	0	61	93	0	128	5297	1629	3198
226+00	22600	50	66	0	60	116	0	112	5413	1769	3174
226+50	22650	50	64	0	67	120	0	118	5533	1917	3146
227+00	22700	50	65	0	56	120	0	114	5653	2059	3124
227+50	22750	50	71	0	28	127	0	78	5780	2156	3154
228+00	22800	50	65	0	7	126	0	33	5906	2197	3239
228+50	22850	50	73	0	10	128	0	16	6034	2216	3347
229+00	22900	50	91	0	4	152	0	13	6186	2232	3483
229+50	22950	50	96	0	3	173	0	6	6358	2240	3648
230+00	23000	50	98	0	3	179	0	5	6538	2247	3821
230+24.9	23025	25	87	0	3	85	0	3	6623	2251	3903
						CTH CE WB TOTALS:	6623	470	1801		

STATION	Real Station	Distance	AREA (SF) Cut	AREA (SF) Salvaged / Unusable Pavement Material	AREA (SF) Fill	Incremental Vol (CY) (Unadjusted) Cut Note 1	Incremental Vol (CY) (Unadjusted) Salvaged / Unusable Pavement Material Note 2	Incremental Vol (CY) (Unadjusted) Fill Note 3	Cumulative Vol (CY) Cut 1 Note 1	Cumulative Vol (CY) Expanded Fill 1	Mass Ordinate Note 8
306+75	30675	0	69	0	0	0	0	0	0	0	0
307+00	30700	25	71	0	0	65	0	0	65	0	65
307+50	30750	50	50	33	1	113	31	2	178	2	145
310+25	31025	0	72	11	1	0	0	0	178	2	145
310+50	31050	25	51	2	0	57	6	0	235	3	195
311+00	31100	50	76	20	1	117	20	1	352	4	291
311+50	31150	50	61	18	0	127	35	1	479	5	382
312+00	31200	50	60	21	0	112	36	0	591	5	458
312+50	31250	50	65	43	0	116	59	0	706	5	514
				EISENHOWER NB TOTALS:		706	187	4			

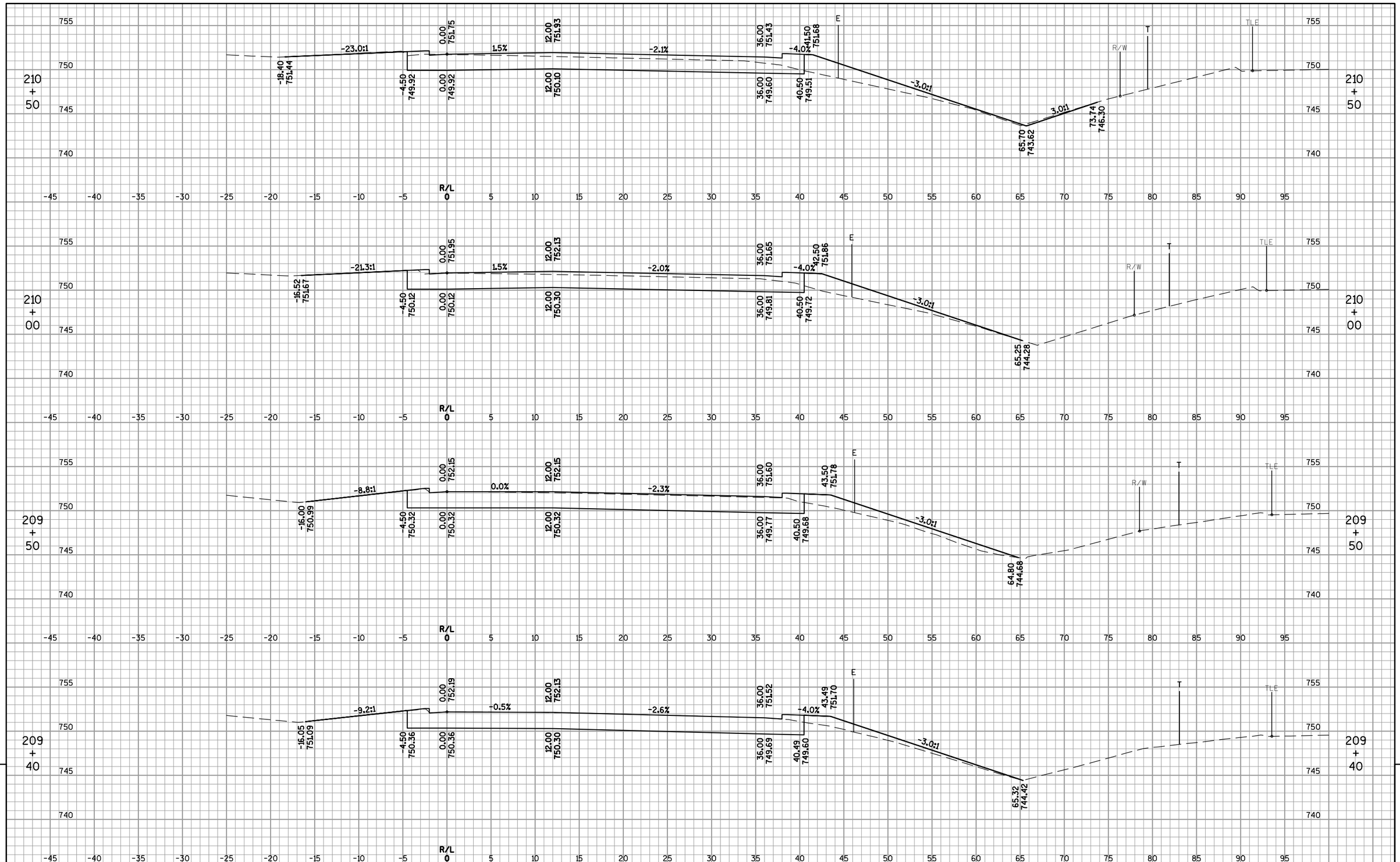
STATION	Real Station	Distance	AREA (SF) Cut	AREA (SF) Salvaged / Unusable Pavement Material	AREA (SF) Fill	Incremental Vol (CY) (Unadjusted) Cut Note 1	Incremental Vol (CY) (Unadjusted) Salvaged / Unusable Pavement Material Note 2	Incremental Vol (CY) (Unadjusted) Fill Note 3	Cumulative Vol (CY) Cut 1 Note 1	Cumulative Vol (CY) Expanded Fill 1	Mass Ordinate Note 8
306+75	30675	0	89	0	0	0	0	0	0	0	0
307+00	30700	25	95	0	0	85	0	0	85	0	85
307+45	30745	45	74	24	2	141	20	2	226	3	203
310+25	31025	0	136	49	0	0	0	0	226	3	203
310+50	31050	25	117	56	4	117	49	2	343	5	270
311+00	31100	50	99	45	2	201	93	5	544	11	371
311+50	31150	50	77	39	2	163	77	4	707	15	453
312+00	31200	50	81	31	0	146	65	2	854	18	532
312+44.6	31245	45	106	26	0	154	47	0	1008	18	639
				EISENHOWER SB TOTALS:		1008	351	14			

STATION	Real Station	Distance	AREA (SF) Cut	Salvaged/Unusable Pavement Material	Fill	Incremental Vol (CY) (Unadjusted) Cut Note 1	Salvaged/Unusable Pavement Material Note 2	Fill Note 3	Cumulative Vol (CY) Cut 1 Note 1	Expanded Fill 1	Mass Ordinate Note 8
20+00	2000	0	70	0	1	0	0	0	0	0	0
20+33	2033	33	40	0	101	67	0	62	67	78	-10
20+50	2050	17	0	0	103	13	0	64	80	158	-78
20+88	2088	38	8	0	123	6	0	159	86	356	-270
21+25	2125	37	18	0	62	18	0	126	104	514	-410
21+52.99	2153	28	63	0	55	42	0	61	145	590	-444
22+00	2200	47	92	0	64	134	0	104	280	720	-440
22+35.65	2236	36	99	0	68	126	0	88	406	829	-423
22+71	2271	35	31	0	78	85	0	96	491	949	-458
22+85.27	2285	14	34	0	68	17	0	39	508	997	-489
22+95.94	2296	11	70	0	1	20	0	14	529	1014	-486
			EISENHOWER / VAN ROY R-A-B TOTALS:			529	0	811			

STATION	Real Station	Distance	AREA (SF) Cut	Salvaged/Unusable Pavement Material	Fill	Incremental Vol (CY) (Unadjusted) Cut Note 1	Salvaged/Unusable Pavement Material Note 2	Fill Note 3	Cumulative Vol (CY) Cut 1 Note 1	Expanded Fill 1	Mass Ordinate Note 8
403+80.5	40381	0	74	0	0	0	0	0	0	0	0
404+00	40400	20	71	0	1	52	0	0	52	1	52
404+50	40450	50	66	0	1	127	0	2	179	3	176
404+73	40473	23	64	0	2	56	0	1	234	4	230
405+00	40500	27	55	0	3	60	0	2	294	7	287
405+34	40534	34	53	0	7	68	0	7	362	15	347
405+50	40550	16	52	0	6	31	0	4	393	20	373
405+75	40575	25	60	0	4	52	0	5	445	26	419
406+00	40600	25	78	0	0	64	0	2	508	29	480
408+00	40800	0	57	0	23	0	0	0	508	29	480
408+25	40825	25	54	0	16	51	0	18	560	51	509
408+50	40850	25	62	0	4	54	0	9	613	62	551
408+78	40878	28	68	0	3	67	0	3	681	66	614
409+00	40900	22	78	0	0	60	0	1	740	68	672
409+50	40950	50	61	0	21	129	0	19	869	92	777
409+65	40965	15	67	0	15	35	0	10	904	104	800
410+00	41000	35	55	0	14	79	0	19	983	128	855
410+33	41033	33	55	0	0	67	0	9	1050	139	911
410+50	41050	17	59	0	0	36	0	0	1086	139	946
410+77.2	41077	27	53	0	0	56	0	0	1142	140	1002
			VAN ROY TOTALS:			1142	0	112			

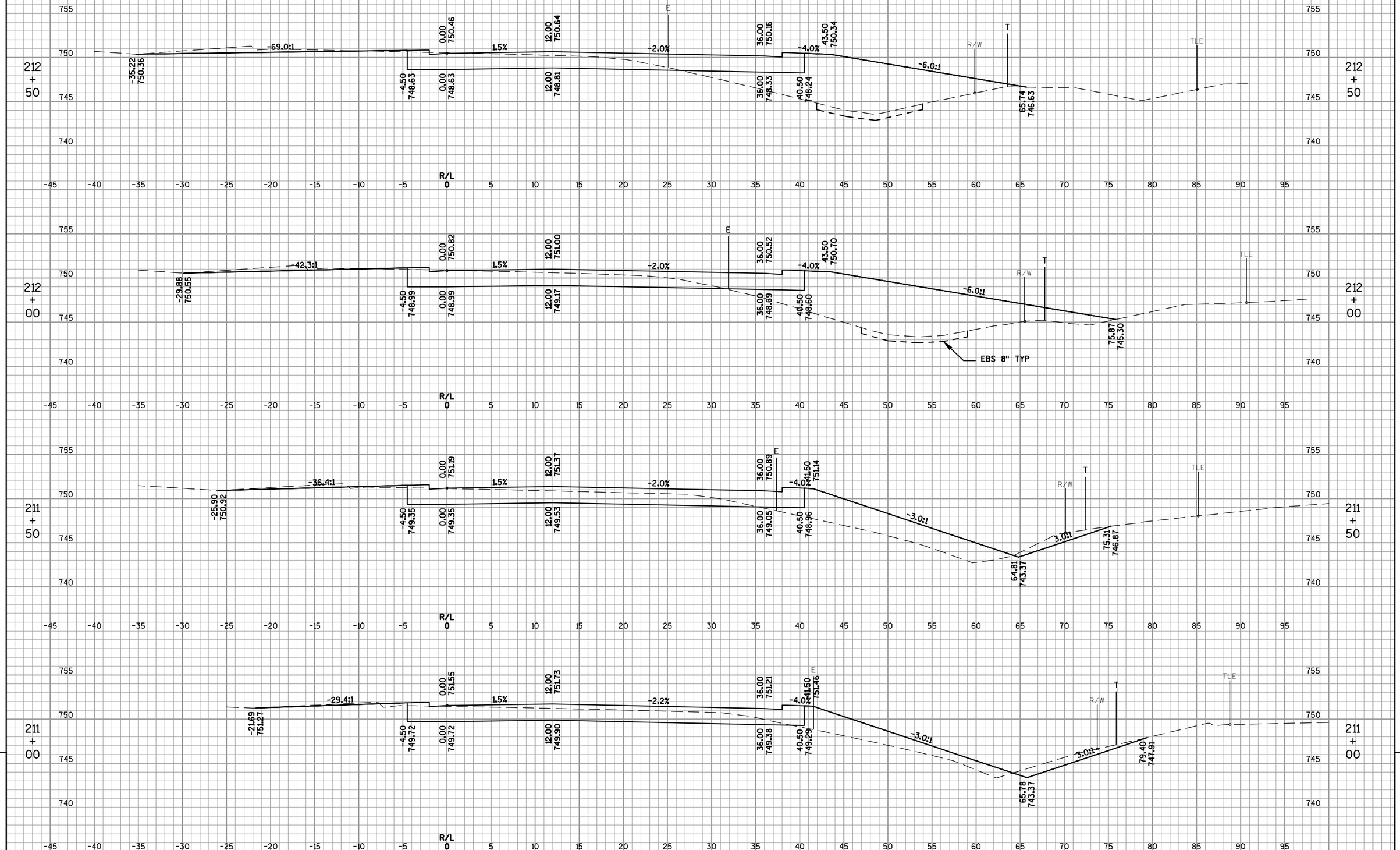
STATION	Real Station	Distance	AREA (SF) Cut	AREA (SF) Salvaged / Unusable Pavement Material	AREA (SF) Fill	Incremental Vol (CY) (Unadjusted) Cut Note 1	Incremental Vol (CY) (Unadjusted) Salvaged / Unusable Pavement Material Note 2	Incremental Vol (CY) (Unadjusted) Fill Note 3	Cumulative Vol (CY) Cut 1 Note 1	Cumulative Vol (CY) Expanded Fill 1	Mass Ordinate Note 8
301+63.82	30164	0	73	0	0	0	0	0	0	0	0
302+00	30200	36	50	0	0	83	0	0	83	0	83
302+50	30250	50	51	0	0	93	0	0	176	0	176
302+80	30280	30	56	0	0	60	0	0	236	0	236
303+00	30300	20	53	0	0	40	0	0	276	0	276
303+50	30350	50	38	0	10	84	0	9	360	11	349
303+95	30395	45	21	0	16	49	0	21	409	38	372
305+50	30550	0	56	0	0	0	0	0	409	38	372
306+00	30600	50	60	0	0	107	0	0	516	38	479
306+50	30650	50	58	0	1	109	0	1	626	39	587
306+75	30675	25	100	0	0	73	0	1	699	40	659
				EISENHOWER NB TOTALS:		699	0	32			

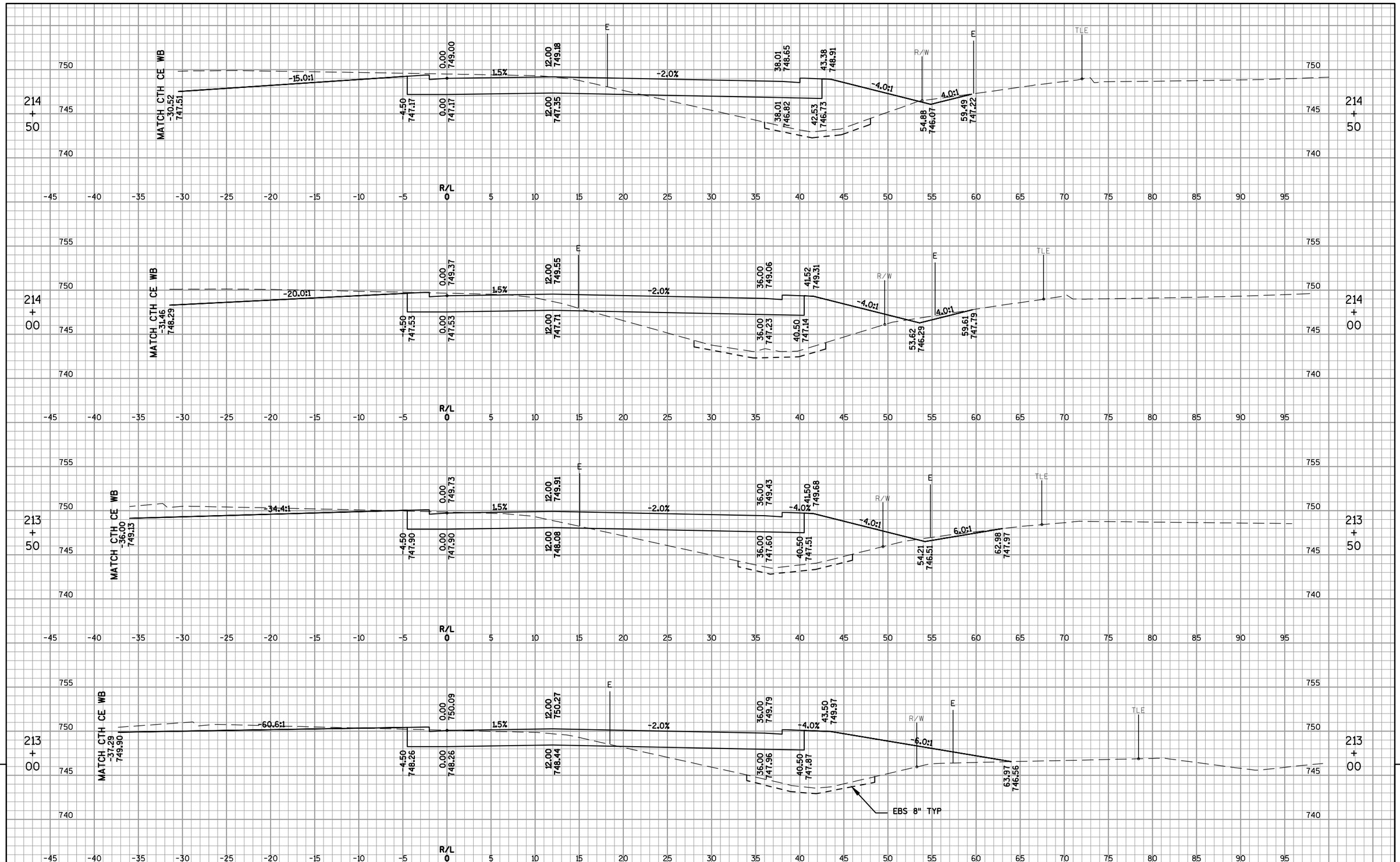
STATION	Real Station	Distance	AREA (SF) Cut	AREA (SF) Salvaged / Unusable Pavement Material	AREA (SF) Fill	Incremental Vol (CY) (Unadjusted) Cut Note 1	Incremental Vol (CY) (Unadjusted) Salvaged / Unusable Pavement Material Note 2	Incremental Vol (CY) (Unadjusted) Fill Note 3	Cumulative Vol (CY) Cut 1 Note 1	Cumulative Vol (CY) Expanded Fill 1	Mass Ordinate Note 8
301+64.32	30164	0	96	0	0	0	0	0	0	0	0
302+00	30200	36	96	0	0	127	0	0	127	0	127
302+50	30250	50	77	0	2	160	0	2	287	2	285
303+00	30300	50	44	0	1	112	0	3	399	5	393
303+50	30350	50	27	0	1	65	0	2	464	8	456
303+95	30395	45	37	0	3	53	0	3	517	12	506
305+65	30565	0	118	0	0	0	0	0	517	12	506
306+00	30600	35	87	0	0	133	0	0	650	12	638
306+50	30650	50	80	0	0	154	0	0	804	12	791
306+75	30675	25	89	0	0	78	0	0	882	12	869
				EISENHOWER SB TOTALS:		882	0	10			



9

PROJECT NO: 4160-05-71 / 4160-05-73	HWY: CTH CE	COUNTY: OUTAGAMIE	CROSS SECTIONS: CTH CE EASTBOUND WEST	SHEET 285	E


212 + 50
-69.0:1
-35.22 750.36
0.00 750.46
-4.50 748.63
0.00 748.63
1.5%
12.00 750.64
12.00 748.81
-2.0%
36.00 750.16
36.00 748.33
-4.0%
43.50 750.34
40.50 748.24
-6.0:1
R/W
T
TLE
65.74 746.63
212 + 00
-42.3:1
-29.88 750.55
0.00 750.82
-4.50 748.99
0.00 748.99
1.5%
12.00 751.00
12.00 749.17
-2.0%
36.00 750.52
36.00 748.69
-4.0%
43.50 750.70
40.50 748.60
-6.0:1
R/W
T
TLE
75.87 745.30
EBS 8" TYP
211 + 50
-36.4:1
-25.90 750.92
0.00 751.19
-4.50 749.35
0.00 749.35
1.5%
12.00 751.37
12.00 749.53
-2.0%
36.00 750.89
36.00 749.05
-4.0%
41.50 751.14
40.50 748.96
-3.0:1
R/W
T
TLE
3.0:1
75.31 746.87
64.81 743.37
211 + 00
-29.4:1
-21.69 751.27
0.00 751.55
-4.50 749.72
0.00 749.72
1.5%
12.00 751.73
12.00 749.90
-2.2%
36.00 751.21
36.00 749.38
-4.0%
41.50 751.46
40.50 749.29
-3.0:1
R/W
T
TLE
3.0:1
79.40 747.91
65.78 743.37
755
750
745
740
R/L 0
-45 -40 -35 -30 -25 -20 -15 -10 -5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80 85 90 95



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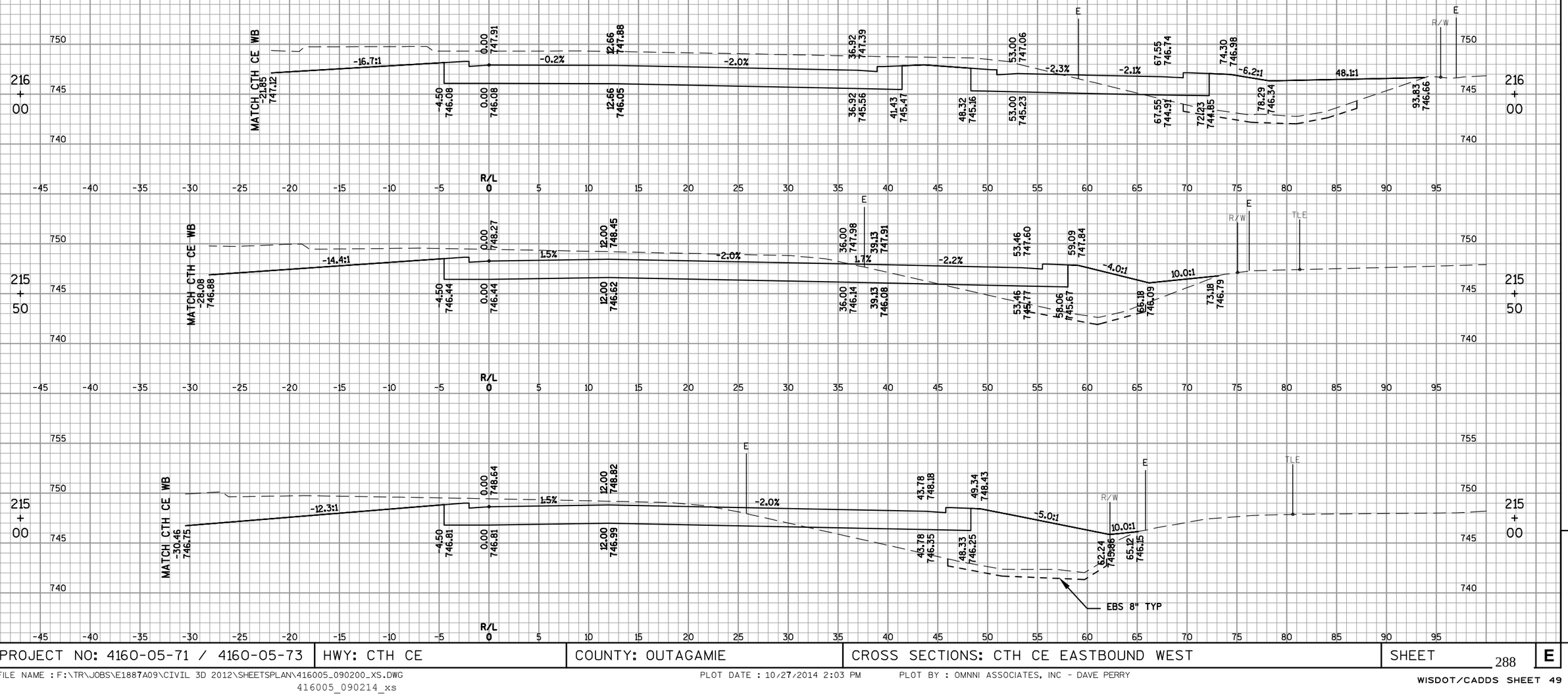
9

PROJECT NO: 4160-05-71 / 4160-05-73	HWY: CTH CE	COUNTY: OUTAGAMIE	CROSS SECTIONS: CTH CE EASTBOUND WEST	SHEET 287	E



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PROJECT NO: 4160-05-71 / 4160-05-73	HWY: CTH CE	COUNTY: OUTAGAMIE	CROSS SECTIONS: CTH CE EASTBOUND WEST	SHEET 288	E

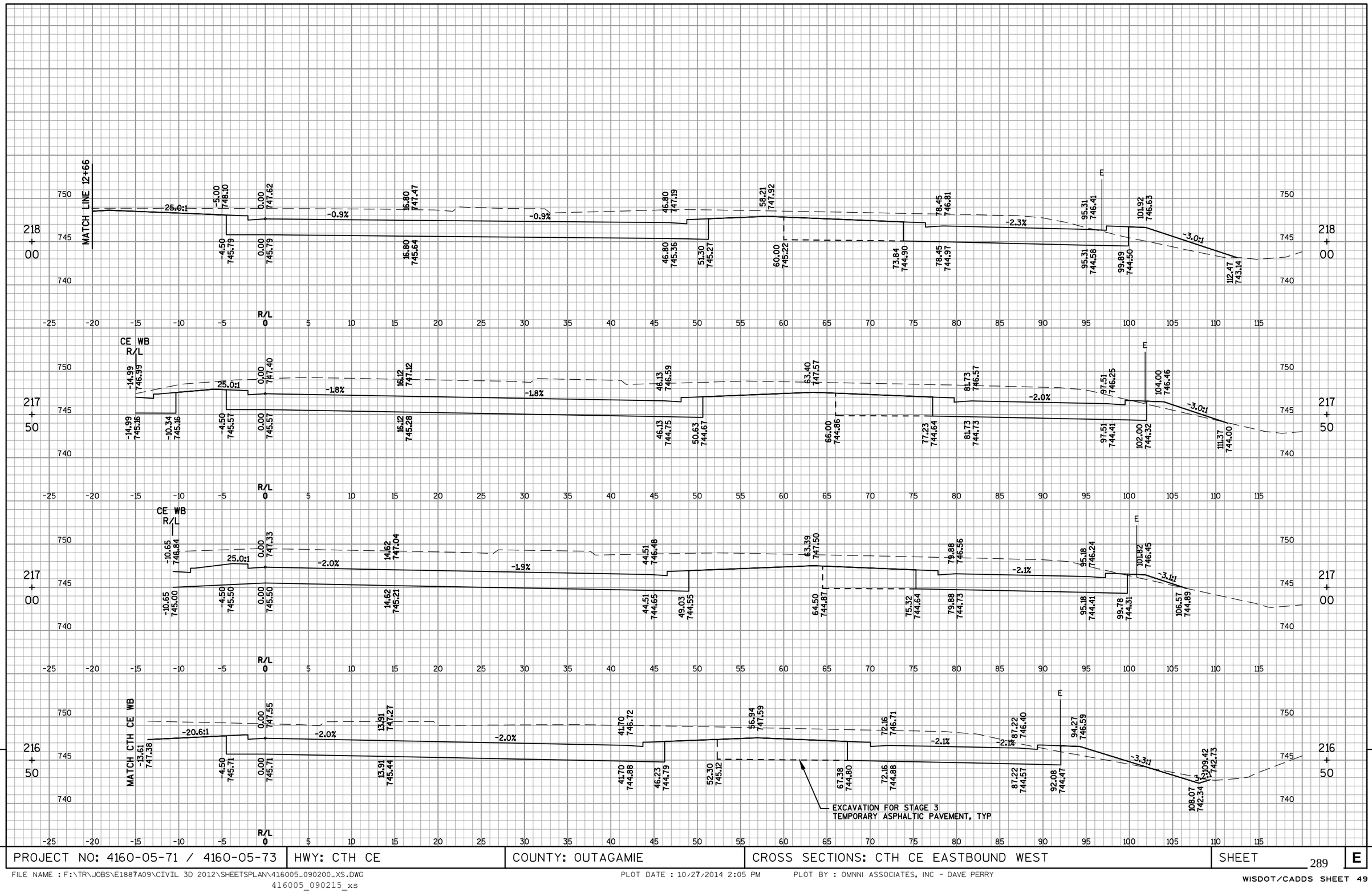
9

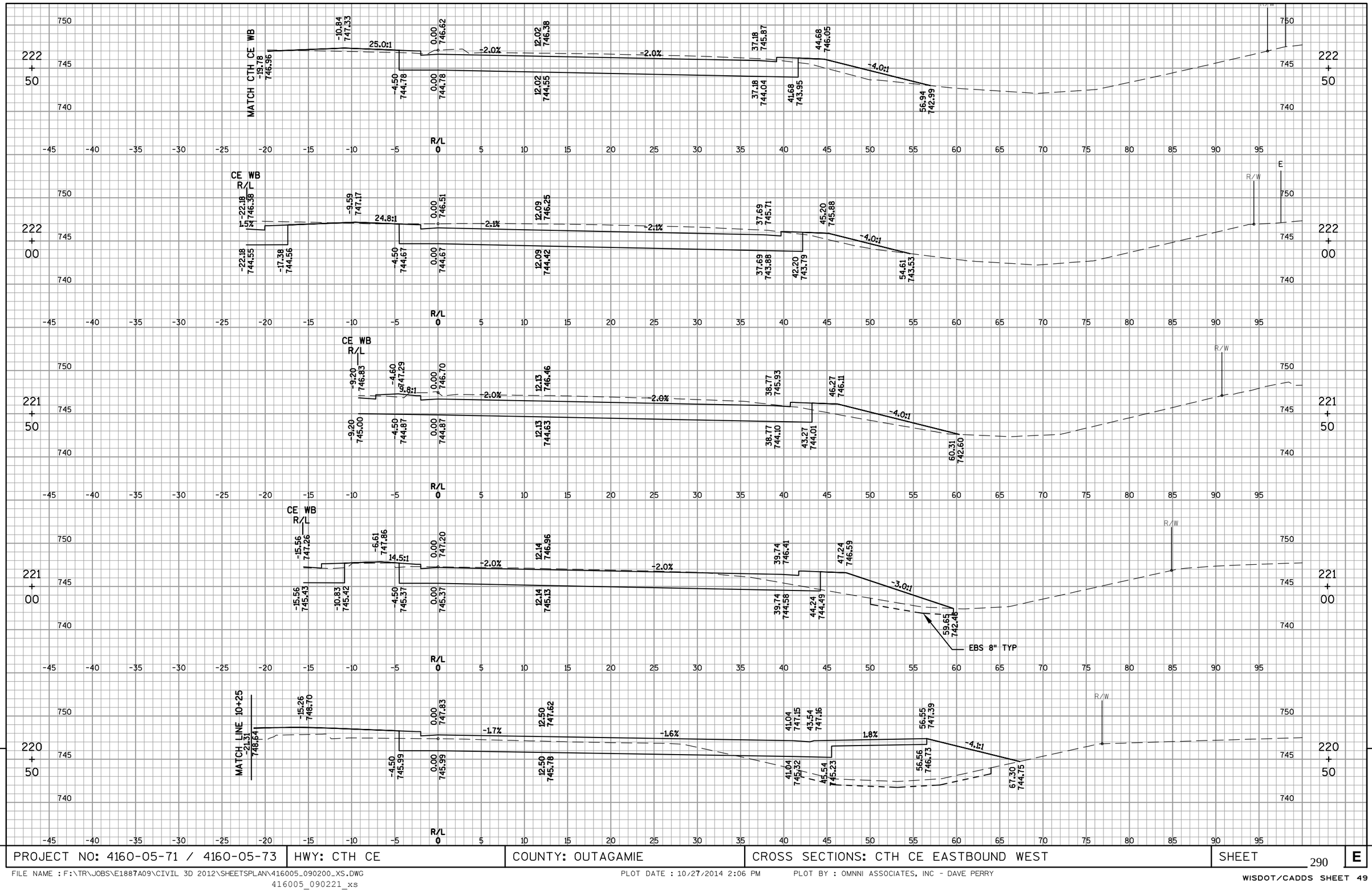
FILE NAME : F:\TR\JOBS\E1887A09\CIVIL 3D 2012\SHEETSPLAN\416005_090200_XS.DWG
416005_090214_xs

PLOT DATE : 10/27/2014 2:03 PM

PLOT BY : OMNNI ASSOCIATES, INC - DAVE PERRY

WISDOT/CADDS SHEET 49


MATCH LINE 12+66
218 + 00
217 + 50
217 + 00
216 + 50
CE WB R/L
MATCH CTH CE WB
R/L
25.0:1
-0.9%
-1.8%
-2.0%
-1.9%
-2.3%
-2.1%
-3.0:1
-3.3:1
-20.6:1
EXCAVATION FOR STAGE 3
TEMPORARY ASPHALTIC PAVEMENT, TYP



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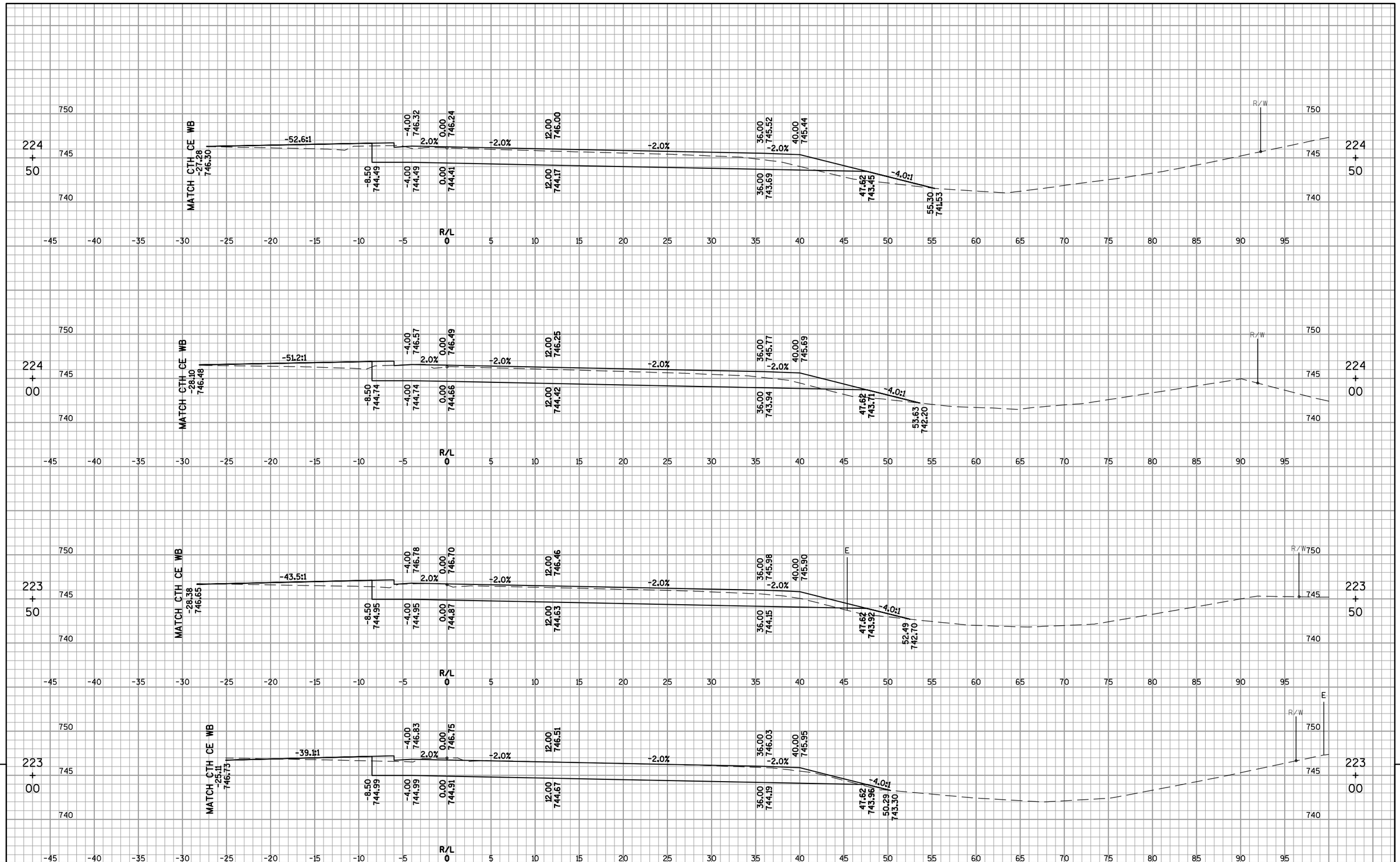
PROJECT NO: 4160-05-71 / 4160-05-73	HWY: CTH CE	COUNTY: OUTAGAMIE	CROSS SECTIONS: CTH CE EASTBOUND WEST	SHEET 290	E



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PROJECT NO: 4160-05-71 / 4160-05-73	HWY: CTH CE	COUNTY: OUTAGAMIE	CROSS SECTIONS: CTH CE EASTBOUND WEST	SHEET 291	E

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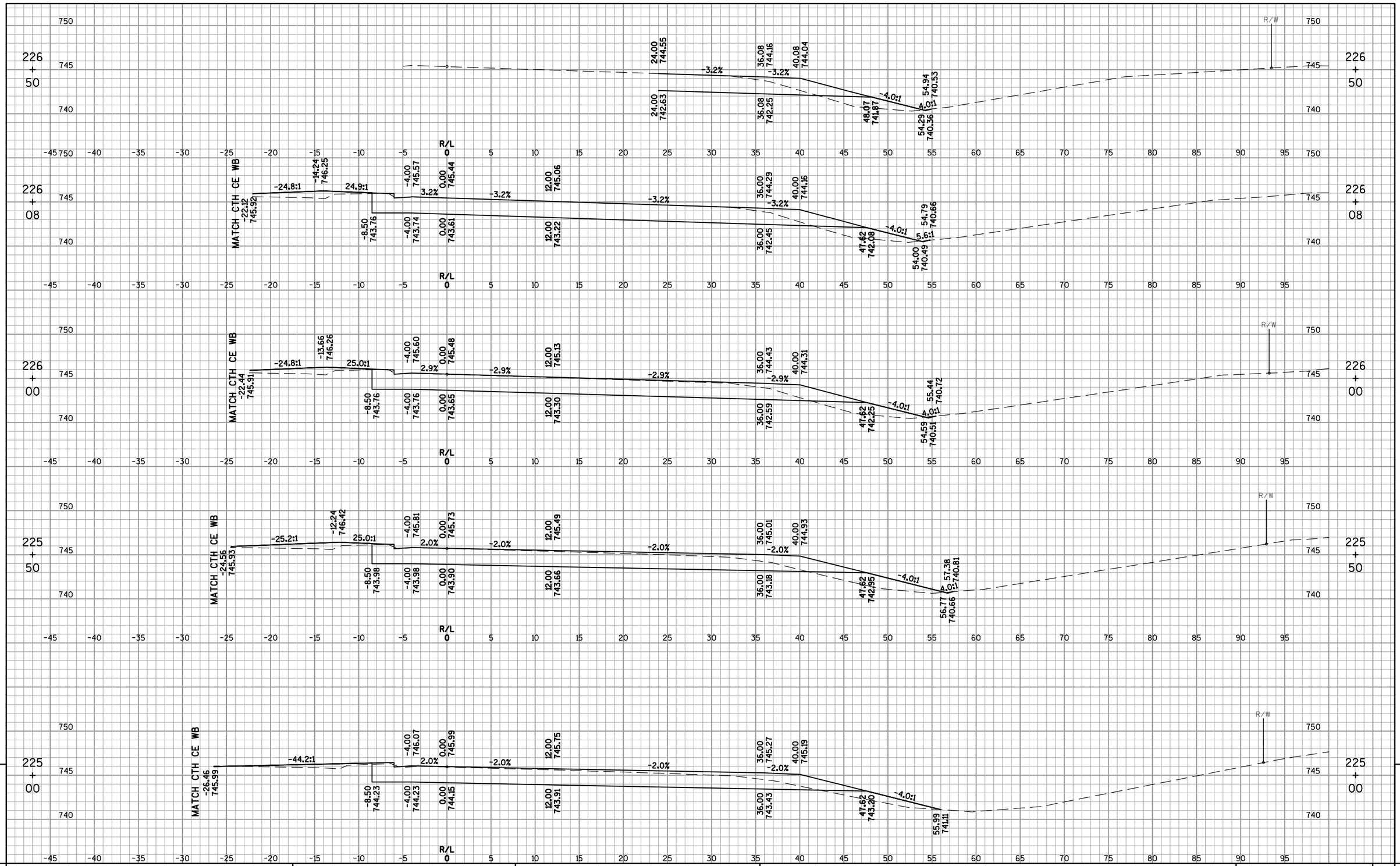
416005_090222_xs

PLOT DATE : 10/24/2014 7:38 AM PLOT BY : OMNNI ASSOCIATES, INC - DAVE PERRY

WISDOT/CADDS SHEET 49



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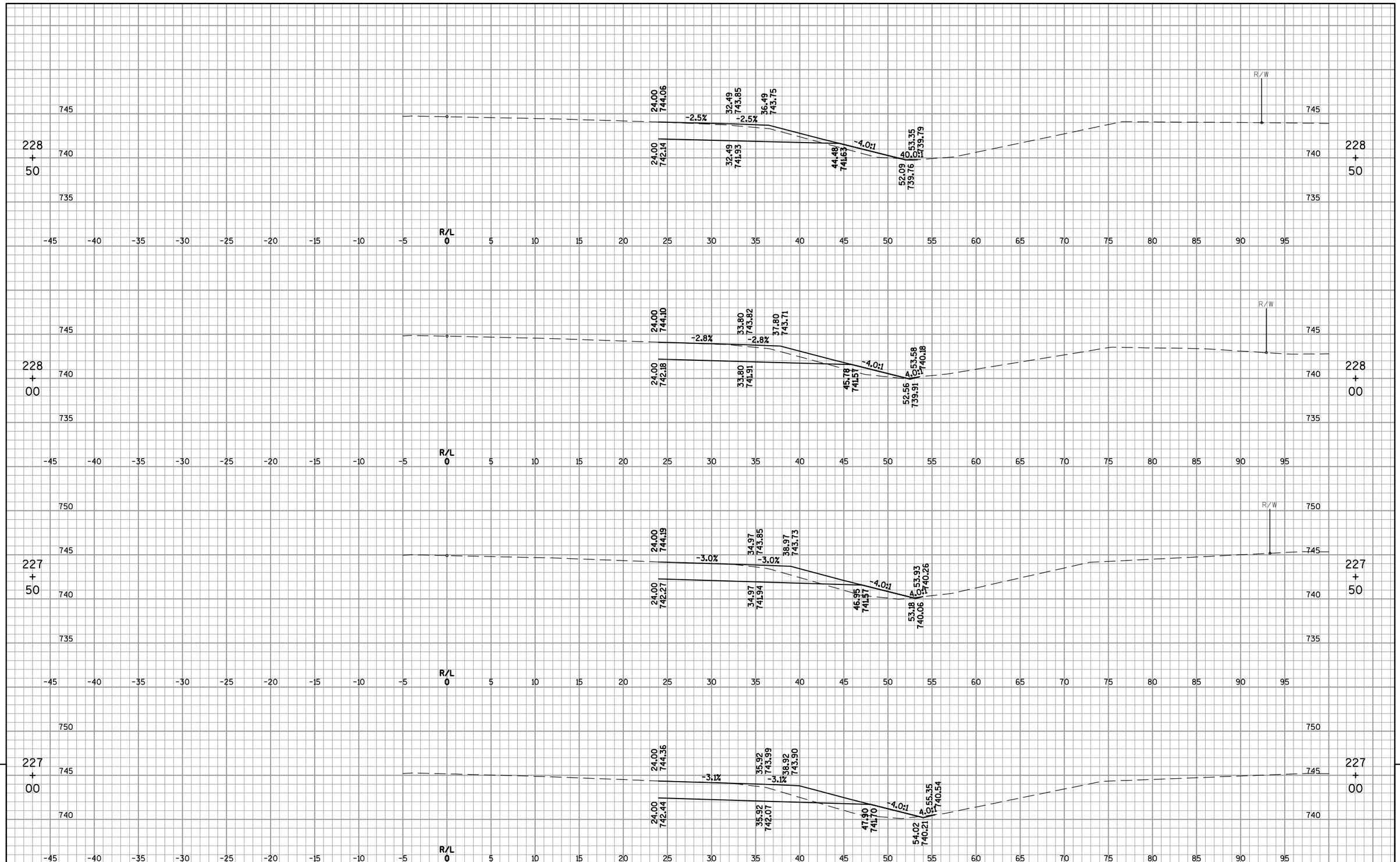
PROJECT NO: 4160-05-71 / 4160-05-73	HWY: CTH CE	COUNTY: OUTAGAMIE	CROSS SECTIONS: CTH CE EASTBOUND WEST	SHEET 292	E

FILE NAME : F:\TR\JOBS\E1887A09\CIVIL 3D 2012\SHEETSPLAN\416005_090200_XS.DWG
416005_090223_xs

PLOT DATE : 10/24/2014 7:39 AM PLOT BY : OMNNI ASSOCIATES, INC - DAVE PERRY



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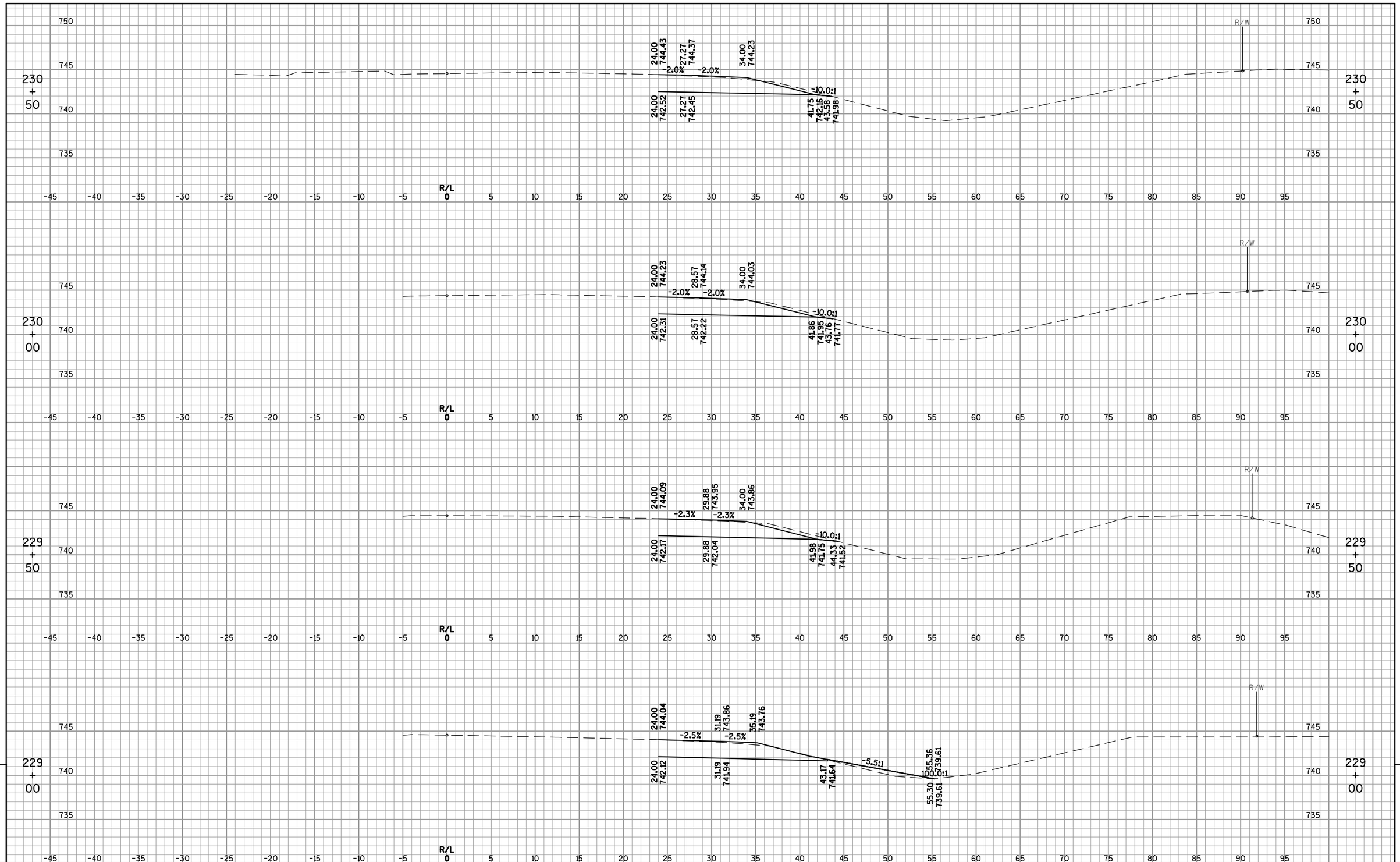
9

PROJECT NO: 4160-05-71 / 4160-05-73	HWY: CTH CE	COUNTY: OUTAGAMIE	CROSS SECTIONS: CTH CE EASTBOUND WEST	SHEET 293	E

FILE NAME : F:\TR\JOBS\E1887A09\CIVIL 3D 2012\SHEETSPLAN\416005_090200_XS.DWG
416005_090224_xs

PLOT DATE : 10/24/2014 7:40 AM PLOT BY : OMNNI ASSOCIATES, INC - DAVE PERRY

WISDOT/CADDS SHEET 49



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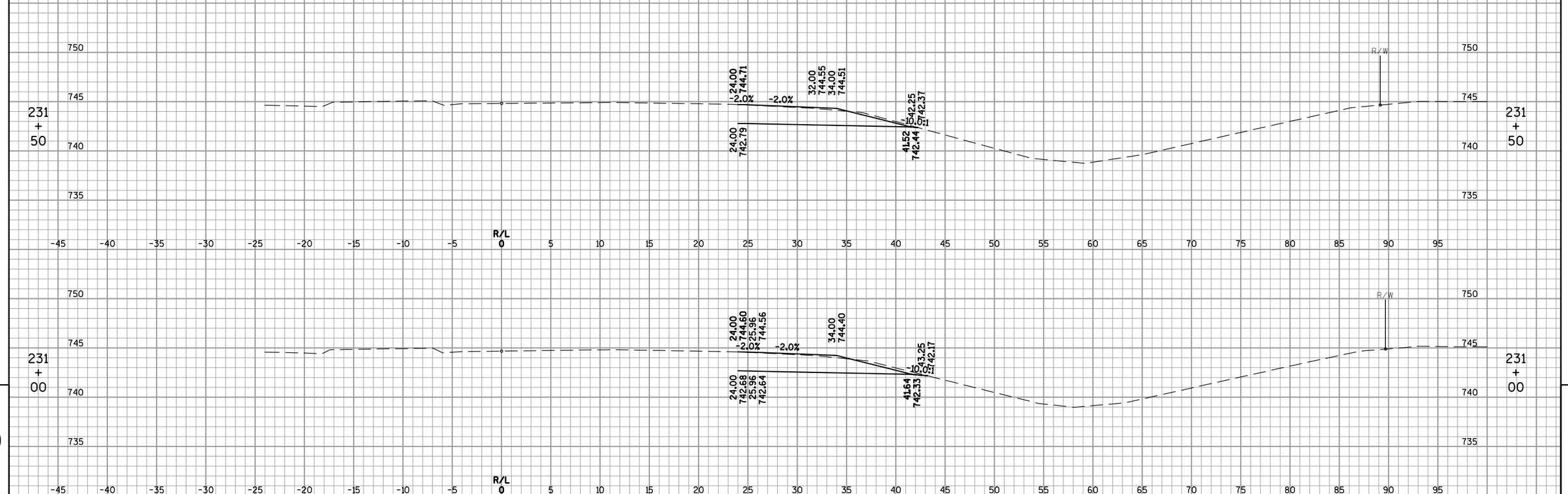
PROJECT NO: 4160-05-71 / 4160-05-73	HWY: CTH CE	COUNTY: OUTAGAMIE	CROSS SECTIONS: CTH CE EASTBOUND WEST	SHEET 294	E

9

FILE NAME : F:\TR\JOBS\E1887A09\CIVIL 3D 2012\SHEETSPLAN\416005_090200_XS.DWG
416005_090225_xs

PLOT DATE : 10/24/2014 7:40 AM PLOT BY : OMNNI ASSOCIATES, INC - DAVE PERRY

WISDOT/CADDS SHEET 49



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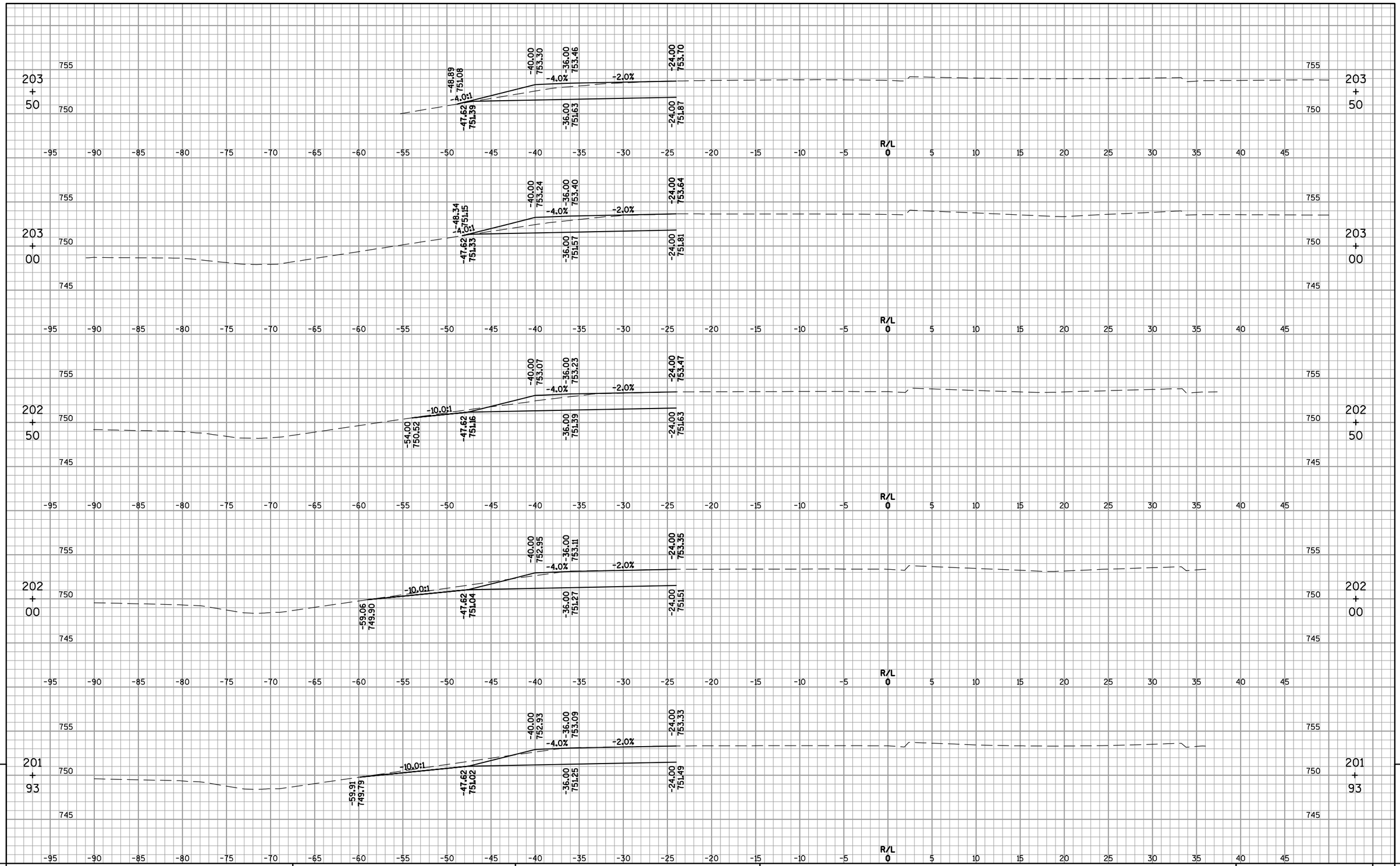
PROJECT NO: 4160-05-71 / 4160-05-73	HWY: CTH CE	COUNTY: OUTAGAMIE	CROSS SECTIONS: CTH CE EASTBOUND WEST	SHEET 295	E

FILE NAME : F:\TR\JOBS\E1887A09\CIVIL 3D 2012\SHEETSPLAN\416005_090200_XS.DWG
416005_090226_xs

PLOT DATE : 10/24/2014 7:41 AM PLOT BY : OMNNI ASSOCIATES, INC - DAVE PERRY

WISDOT/CADDS SHEET 49



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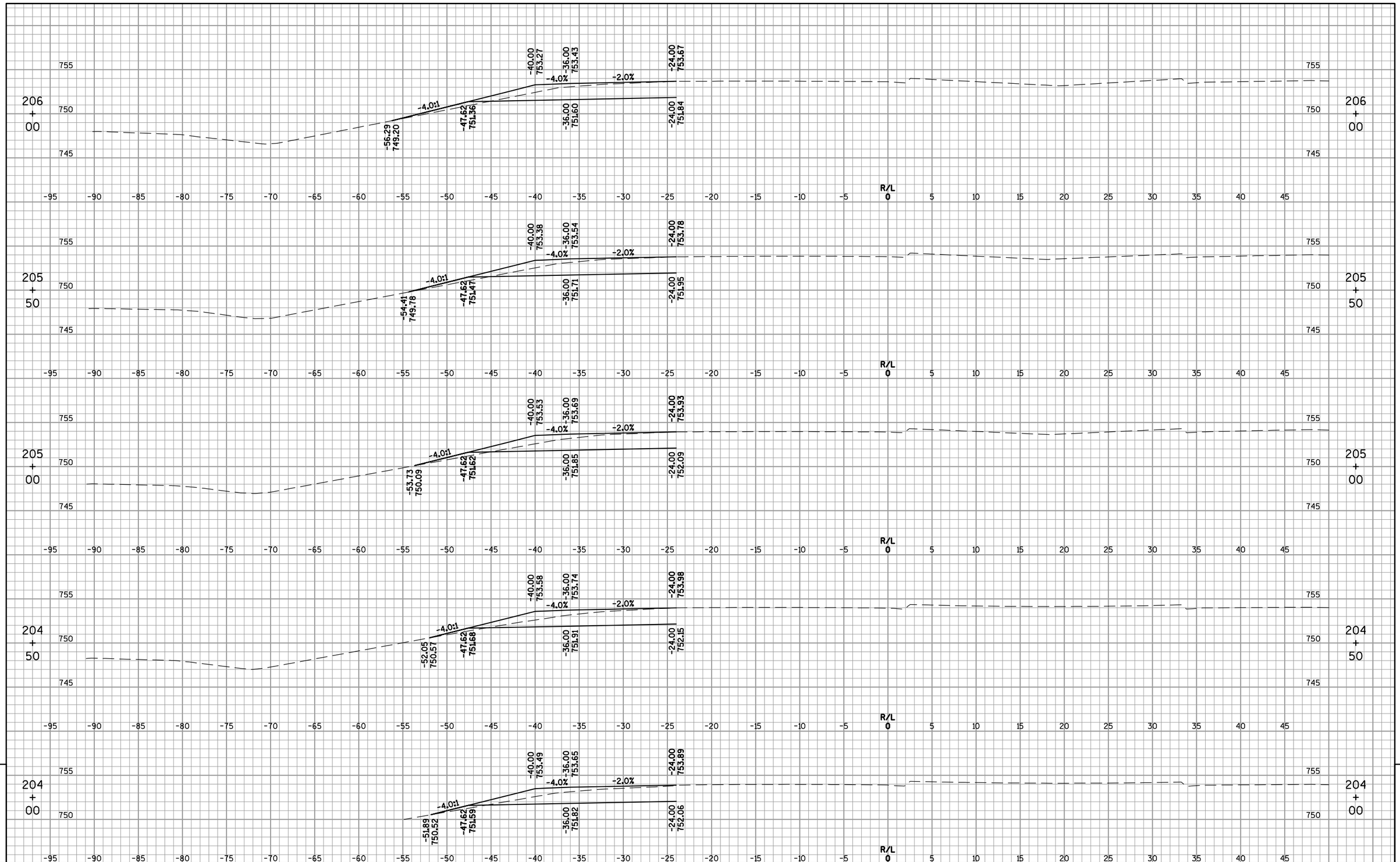
PROJECT NO: 4160-05-71 / 4160-05-73	HWY: CTH CE	COUNTY: OUTAGAMIE	CROSS SECTIONS: CTH CE WESTBOUND WEST	SHEET 296	E



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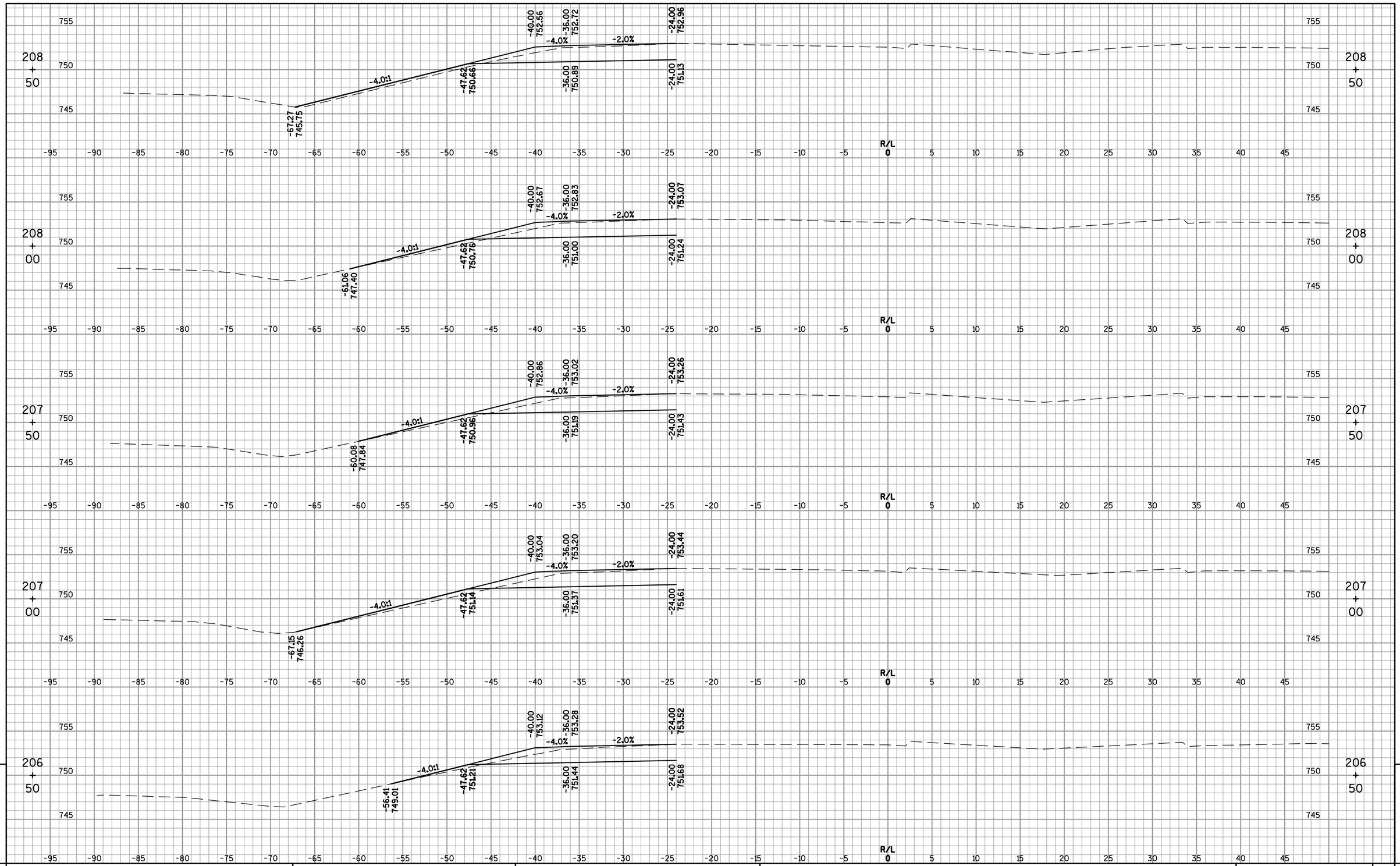
PROJECT NO: 4160-05-71 / 4160-05-73	HWY: CTH CE	COUNTY: OUTAGAMIE	CROSS SECTIONS: CTH CE WESTBOUND WEST	SHEET 297	E



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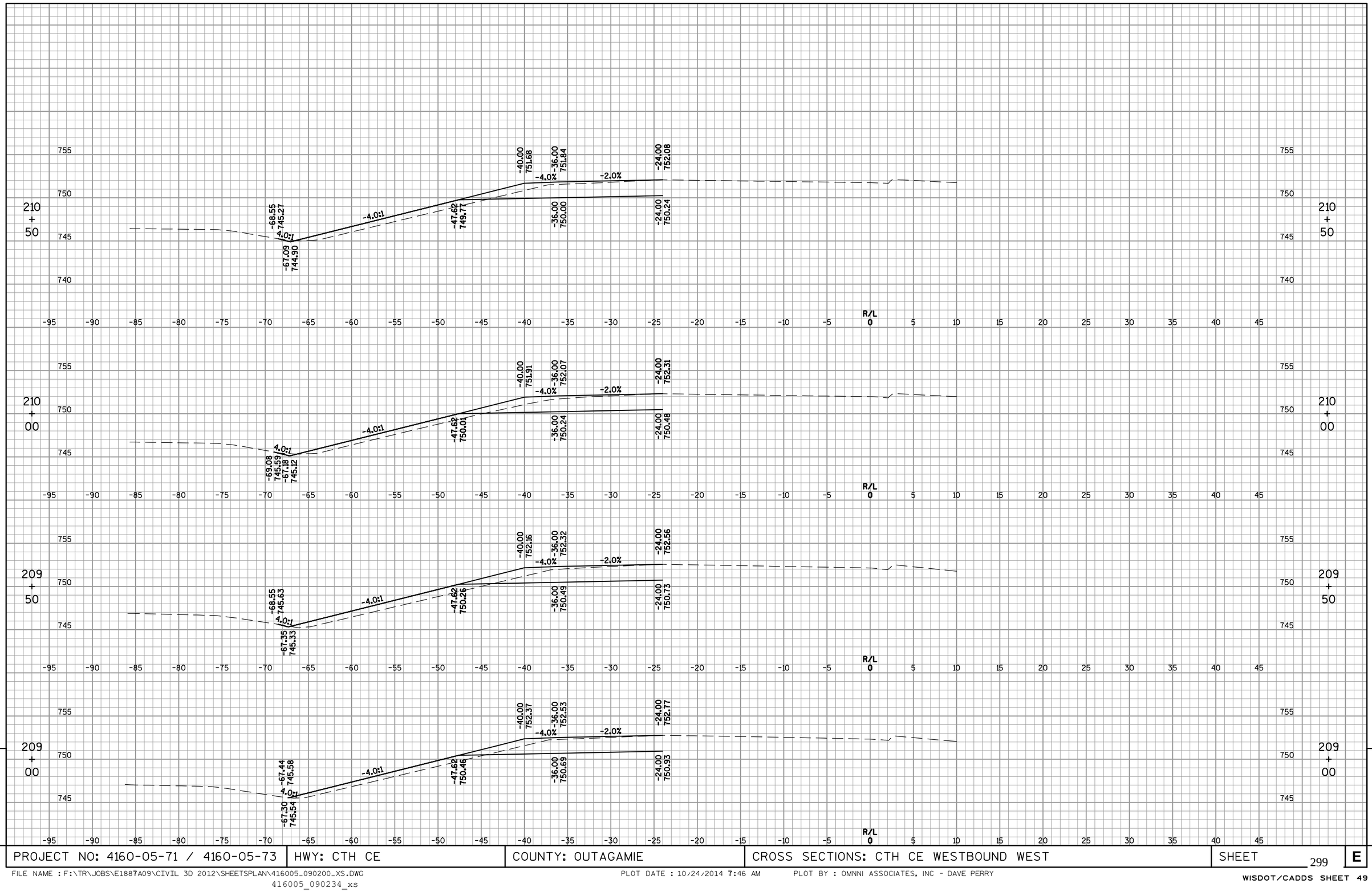
PROJECT NO: 4160-05-71 / 4160-05-73	HWY: CTH CE	COUNTY: OUTAGAMIE	CROSS SECTIONS: CTH CE WESTBOUND WEST	SHEET 298	E



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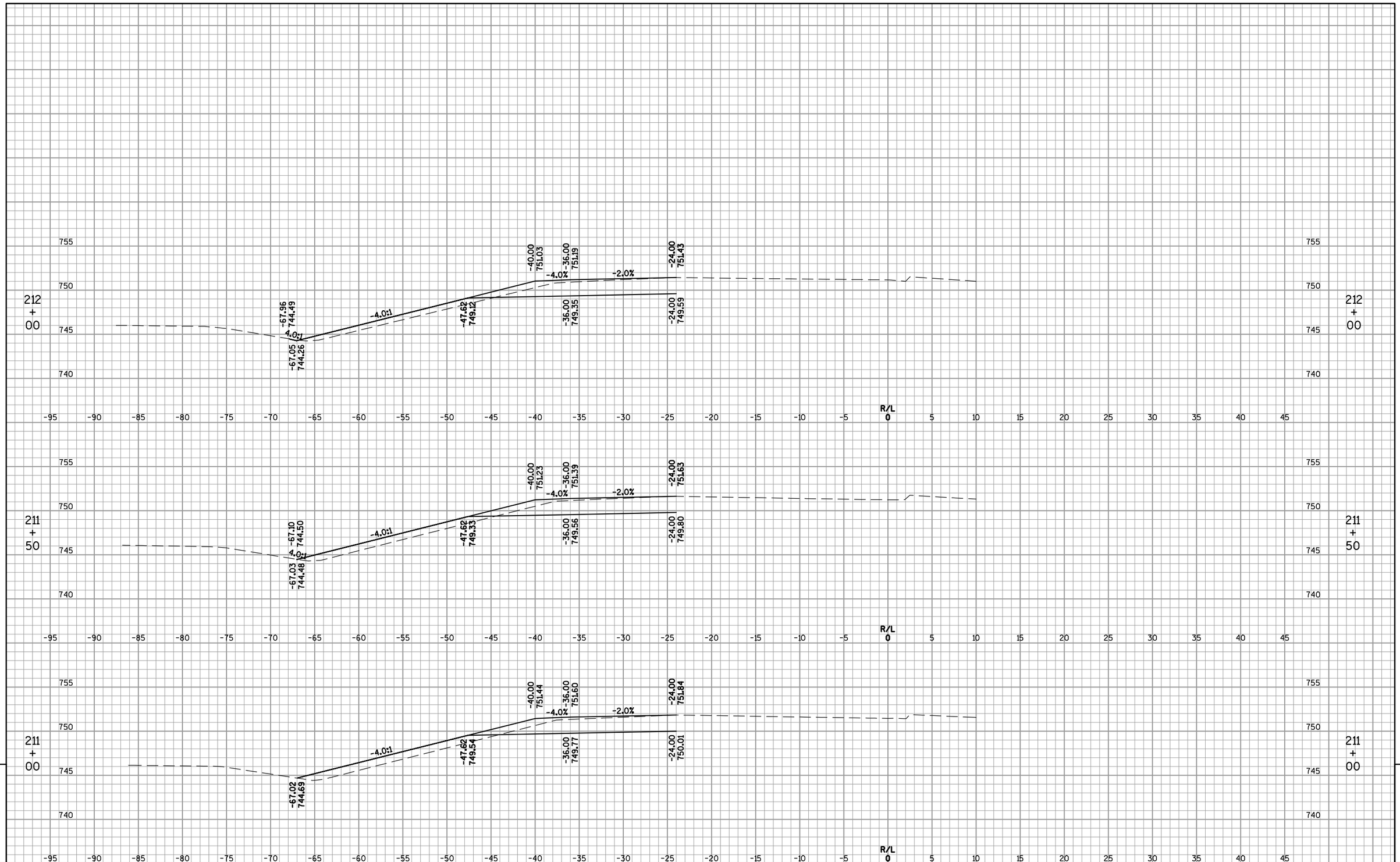
PROJECT NO: 4160-05-71 / 4160-05-73	HWY: CTH CE	COUNTY: OUTAGAMIE	CROSS SECTIONS: CTH CE WESTBOUND WEST	SHEET 299	E

FILE NAME : F:\TR\JOBS\E1887A09\CIVIL 3D 2012\SHEETSPLAN\416005_090200_XS.DWG
416005_090234_xs

PLOT DATE : 10/24/2014 7:46 AM PLOT BY : OMNNI ASSOCIATES, INC - DAVE PERRY

WISDOT/CADDS SHEET 49



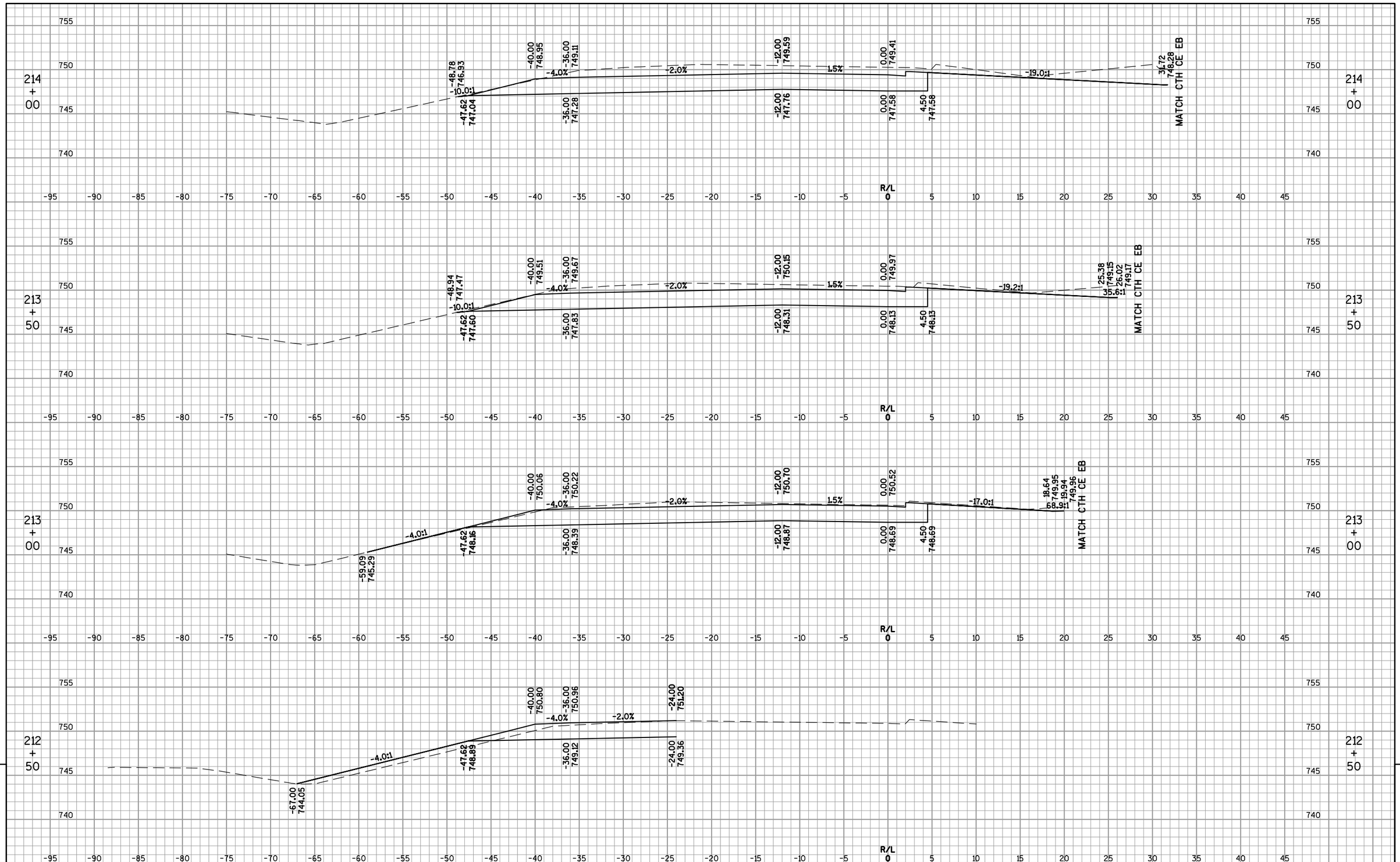
9

PROJECT NO: 4160-05-71 / 4160-05-73	HWY: CTH CE	COUNTY: OUTAGAMIE	CROSS SECTIONS: CTH CE WESTBOUND WEST	SHEET 300	E

FILE NAME : F:\TR\JOBS\E1887A09\CIVIL 3D 2012\SHEETSPLAN\416005_090200_XS.DWG
416005_090235_xs

PLOT DATE : 10/24/2014 7:47 AM PLOT BY : OMNNI ASSOCIATES, INC - DAVE PERRY

WISDOT/CADDS SHEET 49



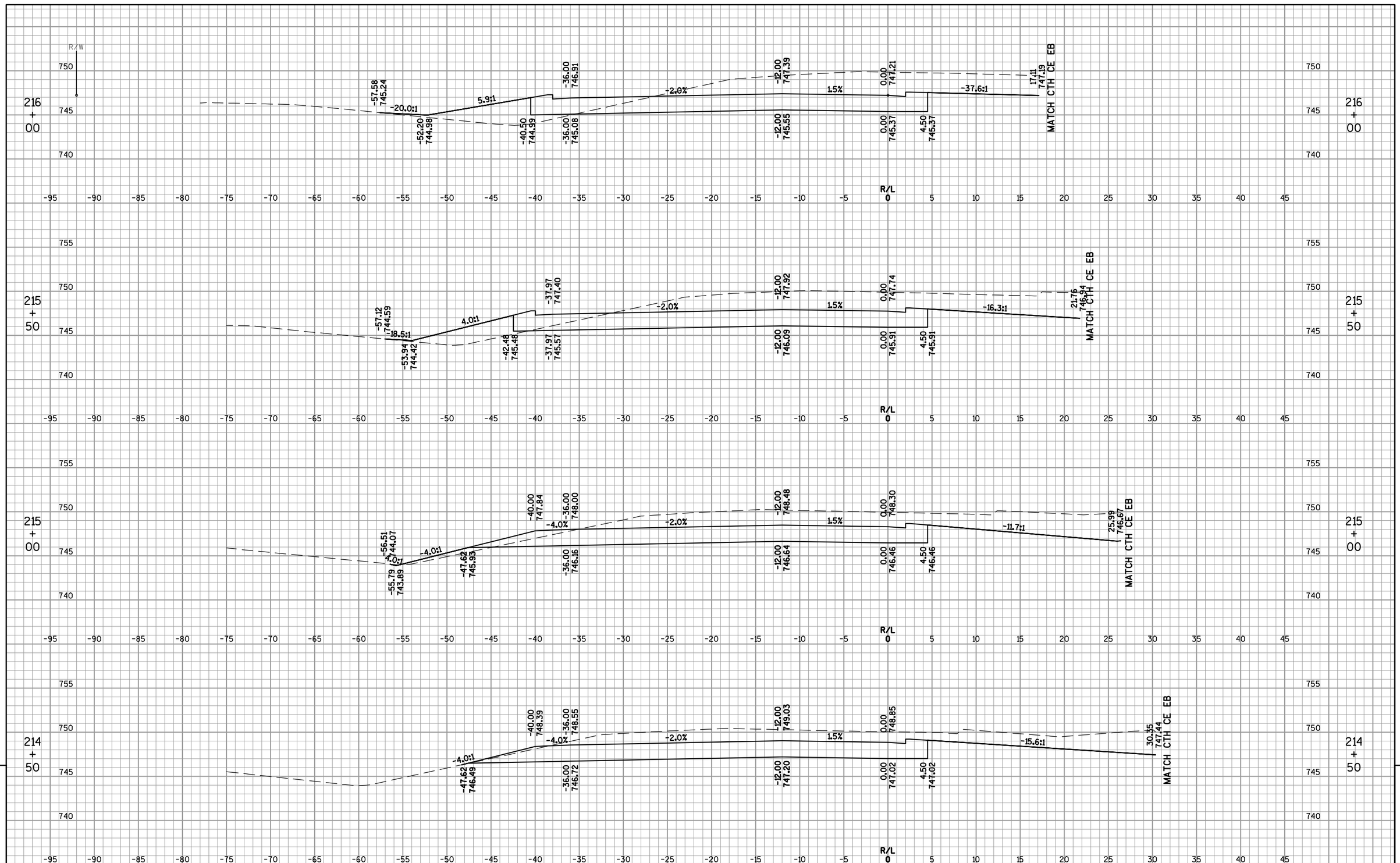
9

PROJECT NO: 4160-05-71 / 4160-05-73	HWY: CTH CE	COUNTY: OUTAGAMIE	CROSS SECTIONS: CTH CE WESTBOUND WEST	SHEET 301	E

FILE NAME : F:\TR\JOBS\E1887A09\CIVIL 3D 2012\SHEETSPLAN\416005_090200_XS.DWG
416005_090236_xs

PLOT DATE : 10/24/2014 7:48 AM PLOT BY : OMNNI ASSOCIATES, INC - DAVE PERRY

WISDOT/CADDS SHEET 49

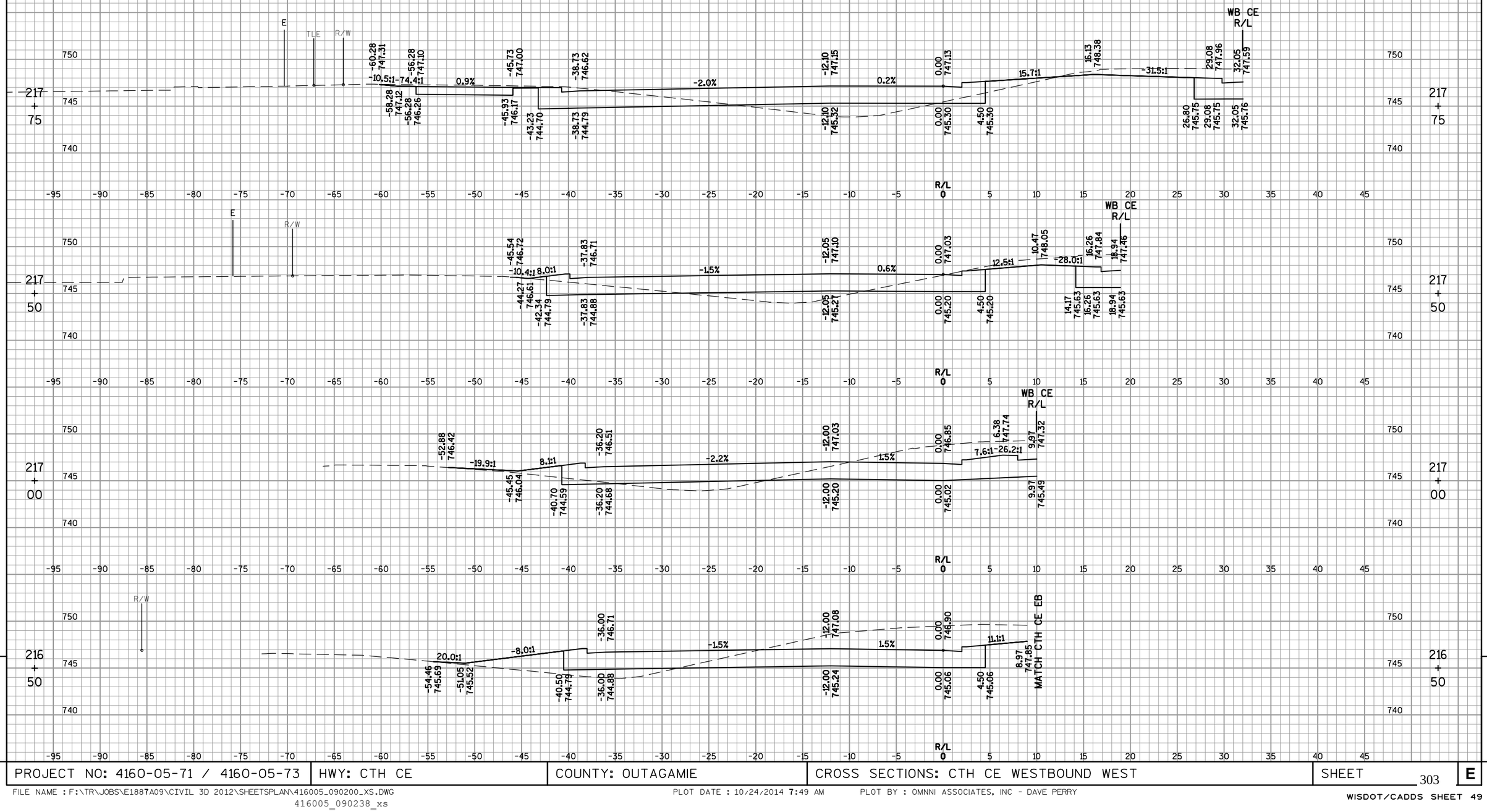


PROJECT NO: 4160-05-71 / 4160-05-73	HWY: CTH CE	COUNTY: OUTAGAMIE	CROSS SECTIONS: CTH CE WESTBOUND WEST	SHEET 302	E

FILE NAME : F:\TR\JOBS\E1887A09\CIVIL 3D 2012\SHEETSPLAN\416005_090200_XS.DWG
416005_090237_xs

PLOT DATE : 10/24/2014 7:49 AM PLOT BY : OMNNI ASSOCIATES, INC - DAVE PERRY

WISDOT/CADDS SHEET 49



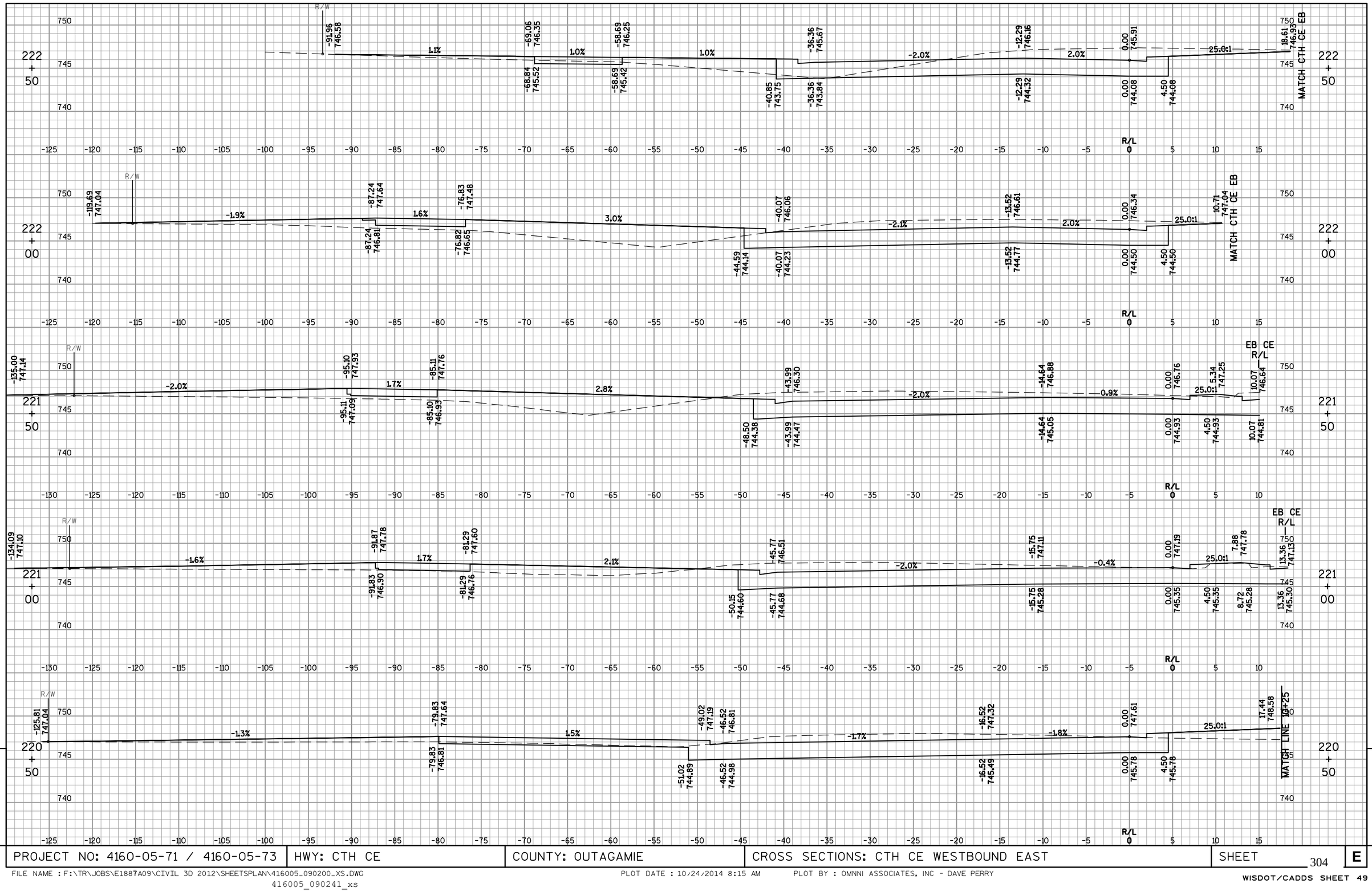
9

PROJECT NO: 4160-05-71 / 4160-05-73	HWY: CTH CE	COUNTY: OUTAGAMIE	CROSS SECTIONS: CTH CE WESTBOUND WEST	SHEET 303	E

FILE NAME : F:\TR\JOBS\E1887A09\CIVIL 3D 2012\SHEETSPLAN\416005_090200_XS.DWG
416005_090238_xs

PLOT DATE : 10/24/2014 7:49 AM PLOT BY : OMNNI ASSOCIATES, INC - DAVE PERRY

WISDOT/CADDS SHEET 49



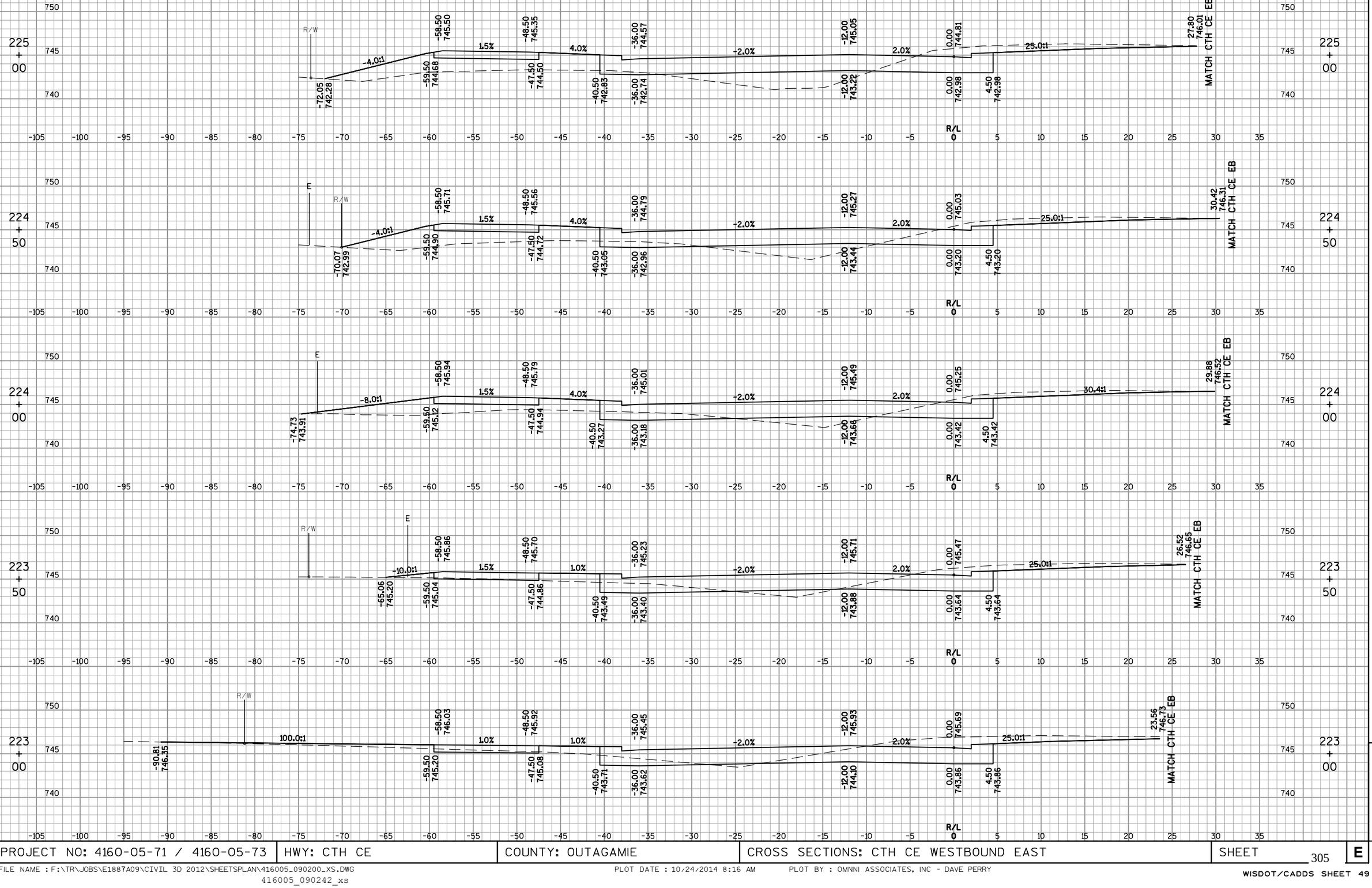
9

PROJECT NO: 4160-05-71 / 4160-05-73	HWY: CTH CE	COUNTY: OUTAGAMIE	CROSS SECTIONS: CTH CE WESTBOUND EAST	SHEET 304	E

FILE NAME : F:\TR\JOBS\E1887A09\CIVIL 3D 2012\SHEETSPLAN\416005_090200_XS.DWG
416005_090241_xs

PLOT DATE : 10/24/2014 8:15 AM PLOT BY : OMNNI ASSOCIATES, INC - DAVE PERRY

WISDOT/CADDS SHEET 49



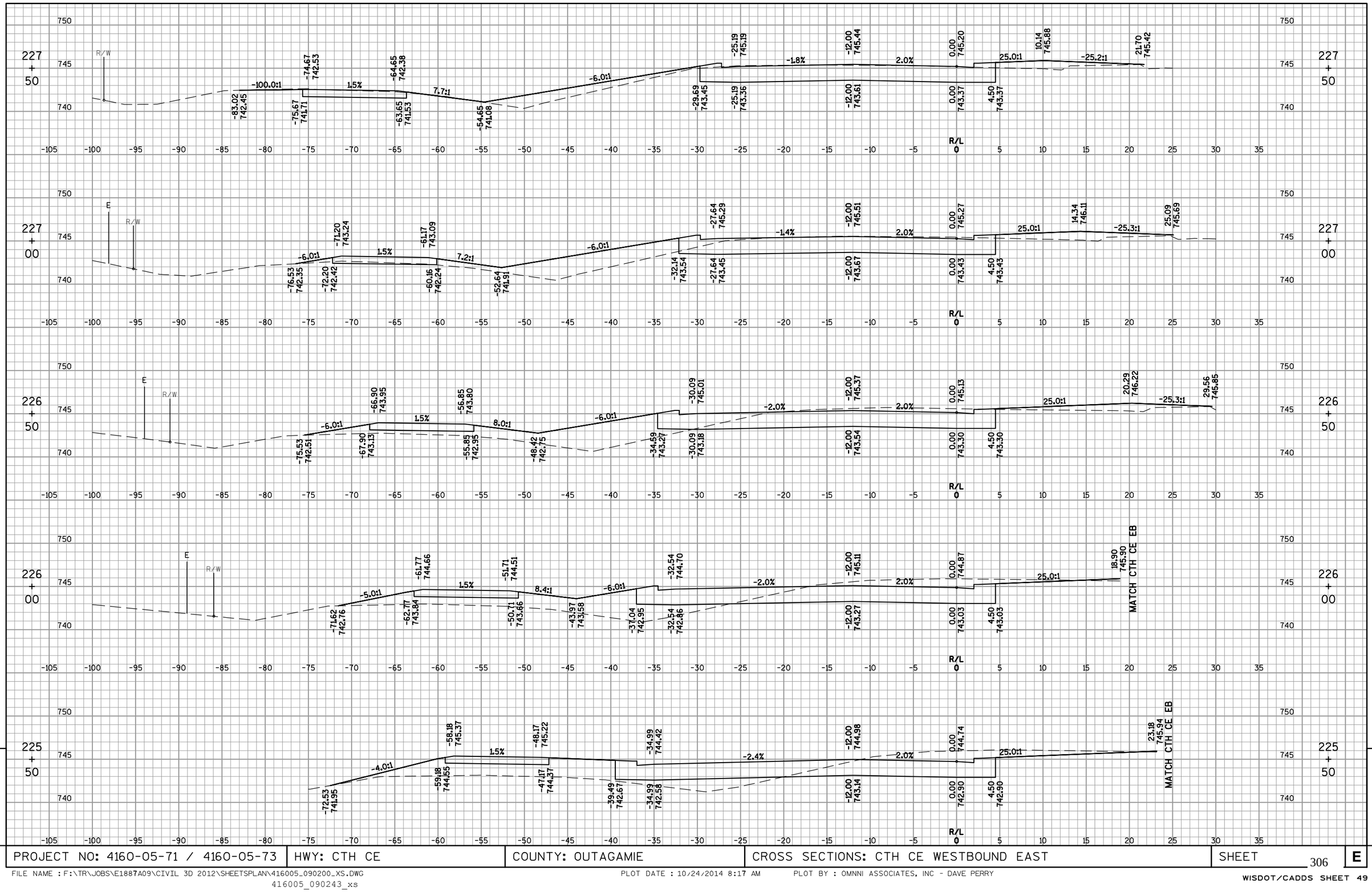
9

PROJECT NO: 4160-05-71 / 4160-05-73	HWY: CTH CE	COUNTY: OUTAGAMIE	CROSS SECTIONS: CTH CE WESTBOUND EAST	SHEET 305	E

FILE NAME : F:\TR\JOBS\E1887A09\CIVIL 3D 2012\SHEETSPLAN\416005_090200_XS.DWG
416005_090242_xs

PLOT DATE : 10/24/2014 8:16 AM PLOT BY : OMNNI ASSOCIATES, INC - DAVE PERRY

WISDOT/CADDS SHEET 49

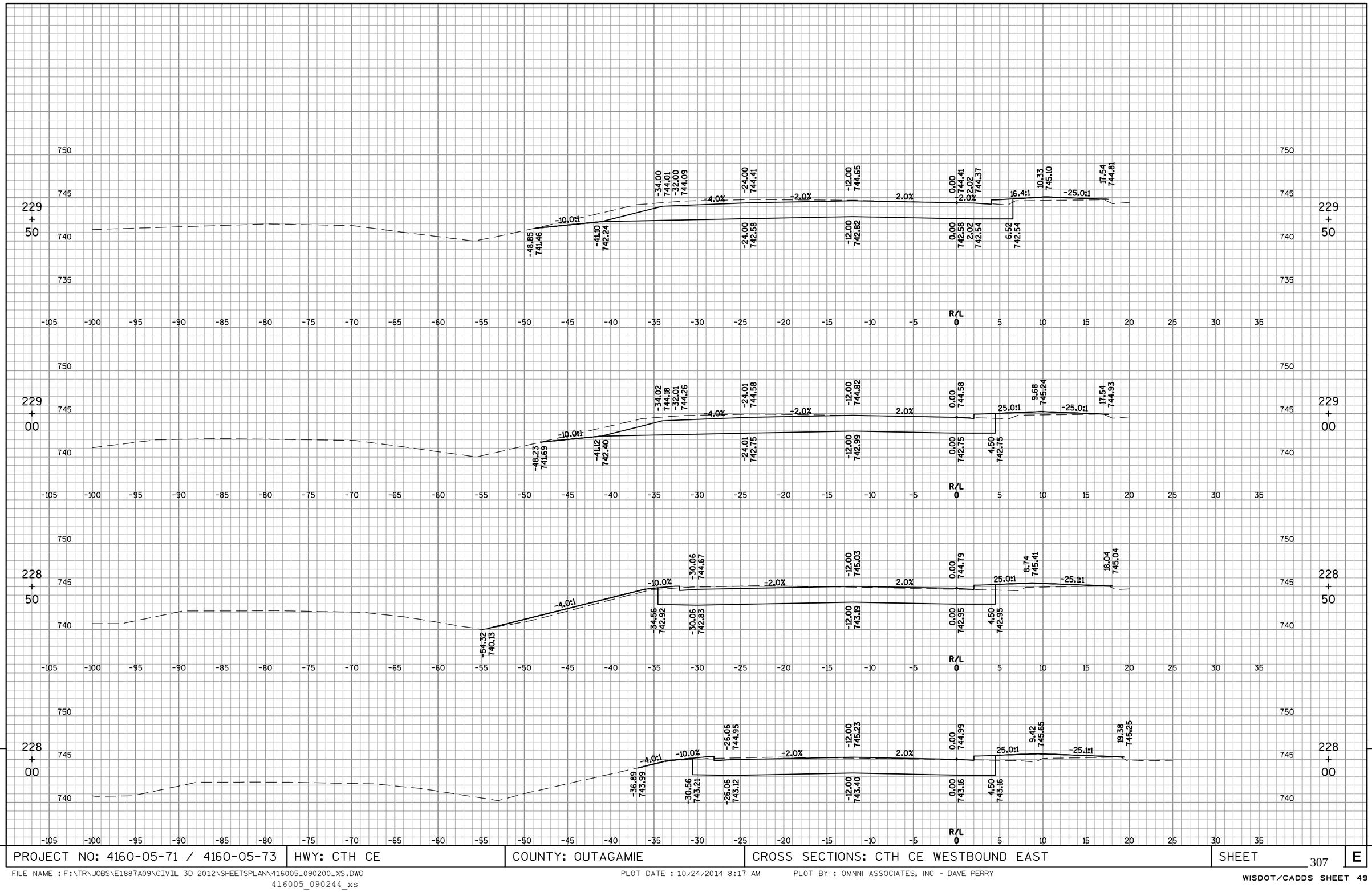


9

PROJECT NO: 4160-05-71 / 4160-05-73	HWY: CTH CE	COUNTY: OUTAGAMIE	CROSS SECTIONS: CTH CE WESTBOUND EAST	SHEET 306	E

FILE NAME : F:\TR\JOBS\E1887A09\CIVIL 3D 2012\SHEETSPLAN\416005_090200_XS.DWG
416005_090243_xs

PLOT DATE : 10/24/2014 8:17 AM PLOT BY : OMNNI ASSOCIATES, INC - DAVE PERRY

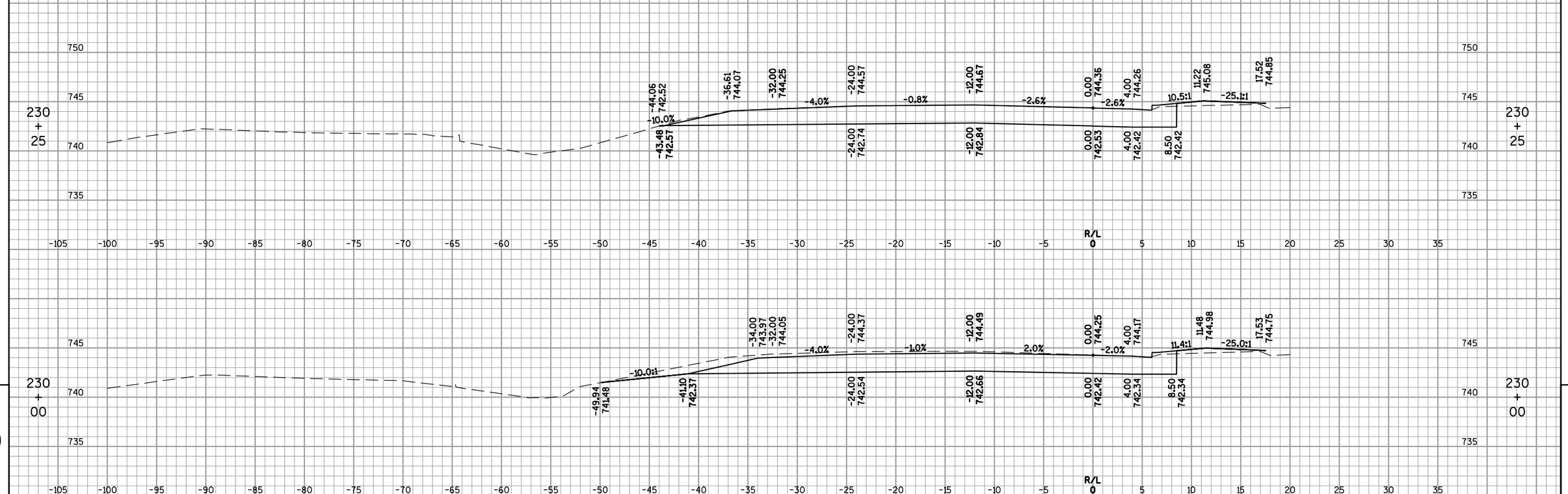


9

PROJECT NO: 4160-05-71 / 4160-05-73	HWY: CTH CE	COUNTY: OUTAGAMIE	CROSS SECTIONS: CTH CE WESTBOUND EAST	SHEET 307	E

FILE NAME : F:\TR\JOBS\E1887A09\CIVIL 3D 2012\SHEETSPLAN\416005_090200_XS.DWG
416005_090244_xs

PLOT DATE : 10/24/2014 8:17 AM PLOT BY : OMNNI ASSOCIATES, INC - DAVE PERRY



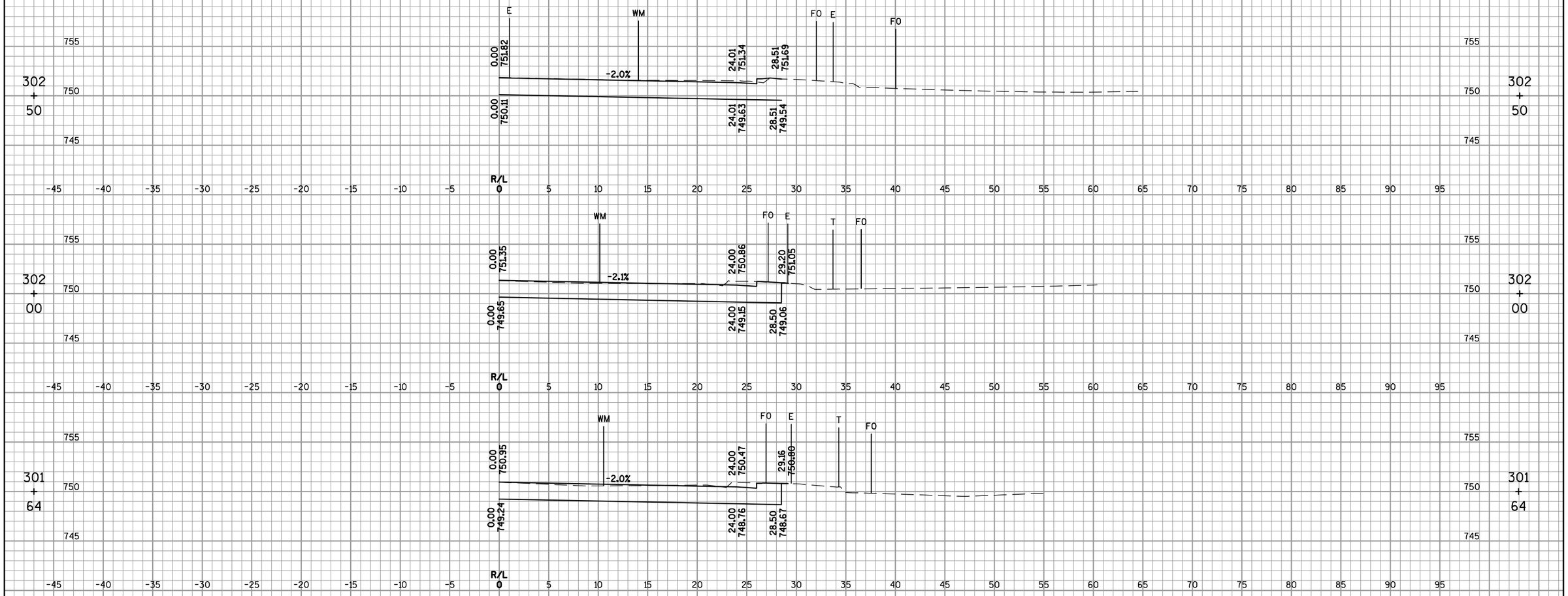
9

PROJECT NO: 4160-05-71 / 4160-05-73	HWY: CTH CE	COUNTY: OUTAGAMIE	CROSS SECTIONS: CTH CE WESTBOUND EAST	SHEET 308	E

FILE NAME : F:\TR\JOBS\E1887A09\CIVIL 3D 2012\SHEETSPLAN\416005_090200_XS.DWG
416005_090245_xs

PLOT DATE : 10/24/2014 8:18 AM PLOT BY : OMNNI ASSOCIATES, INC - DAVE PERRY

WISDOT/CADDS SHEET 49



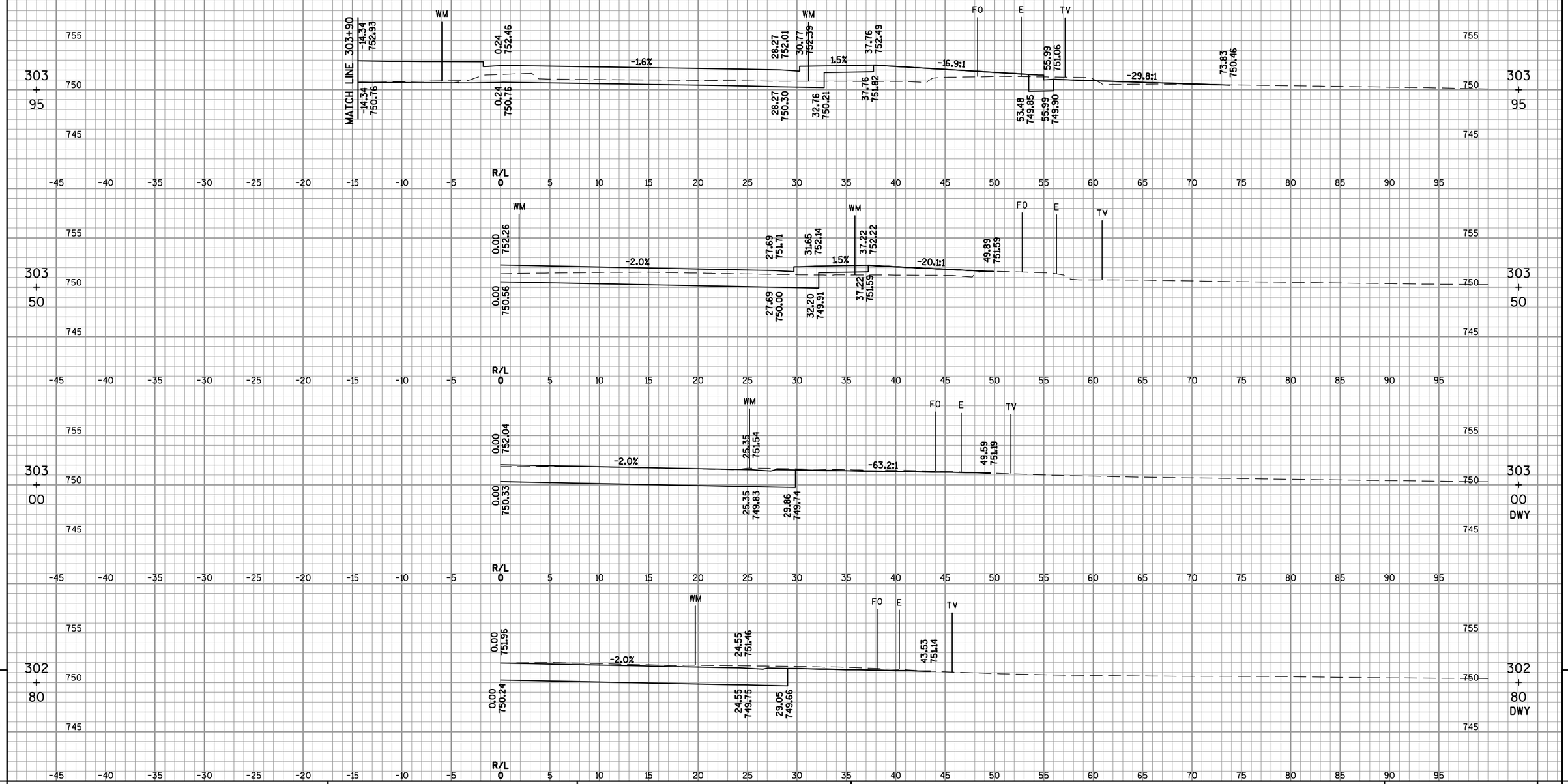
9

PROJECT NO: 4160-05-71 / 4160-05-73	HWY: CTH CE	COUNTY: OUTAGAMIE	CROSS SECTIONS: EISENHOWER DRIVE SOUTH NORTHBOUND	SHEET 309	E

FILE NAME : F:\TR\JOBS\E1887A09\CIVIL 3D 2012\SHEETSPLAN\416005_090200_XS.DWG
416005_090251_xs

PLOT DATE : 10/29/2014 7:50 AM PLOT BY : OMNNI ASSOCIATES, INC - DAVE PERRY

WISDOT/CADDS SHEET 49



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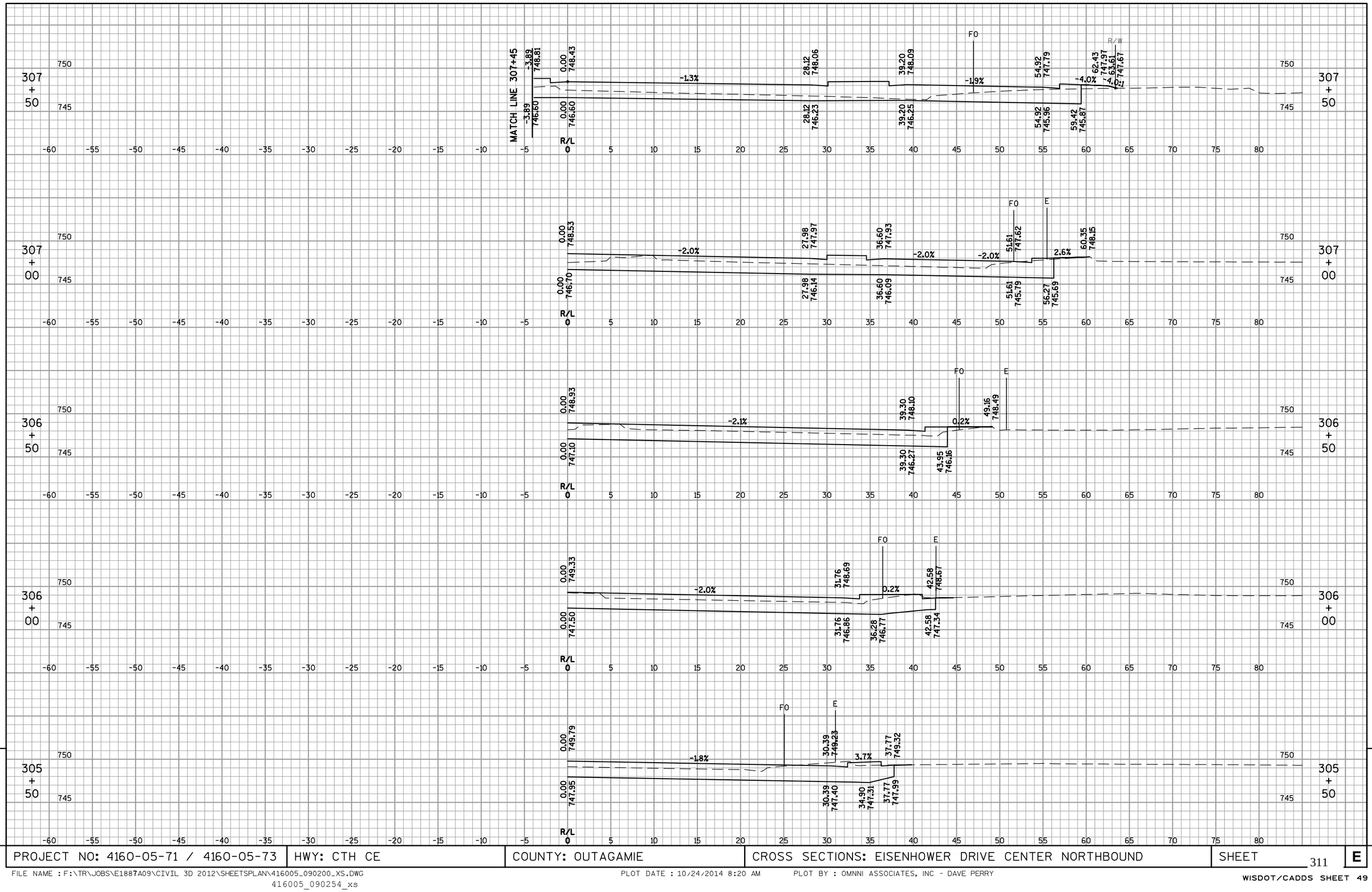
9

PROJECT NO: 4160-05-71 / 4160-05-73	HWY: CTH CE	COUNTY: OUTAGAMIE	CROSS SECTIONS: EISENHOWER DRIVE SOUTH NORTHBOUND	SHEET 310	E

FILE NAME : F:\TR\JOBS\E1887A09\CIVIL 3D 2012\SHEETSPLAN\416005_090200_XS.DWG
416005_090252_xs

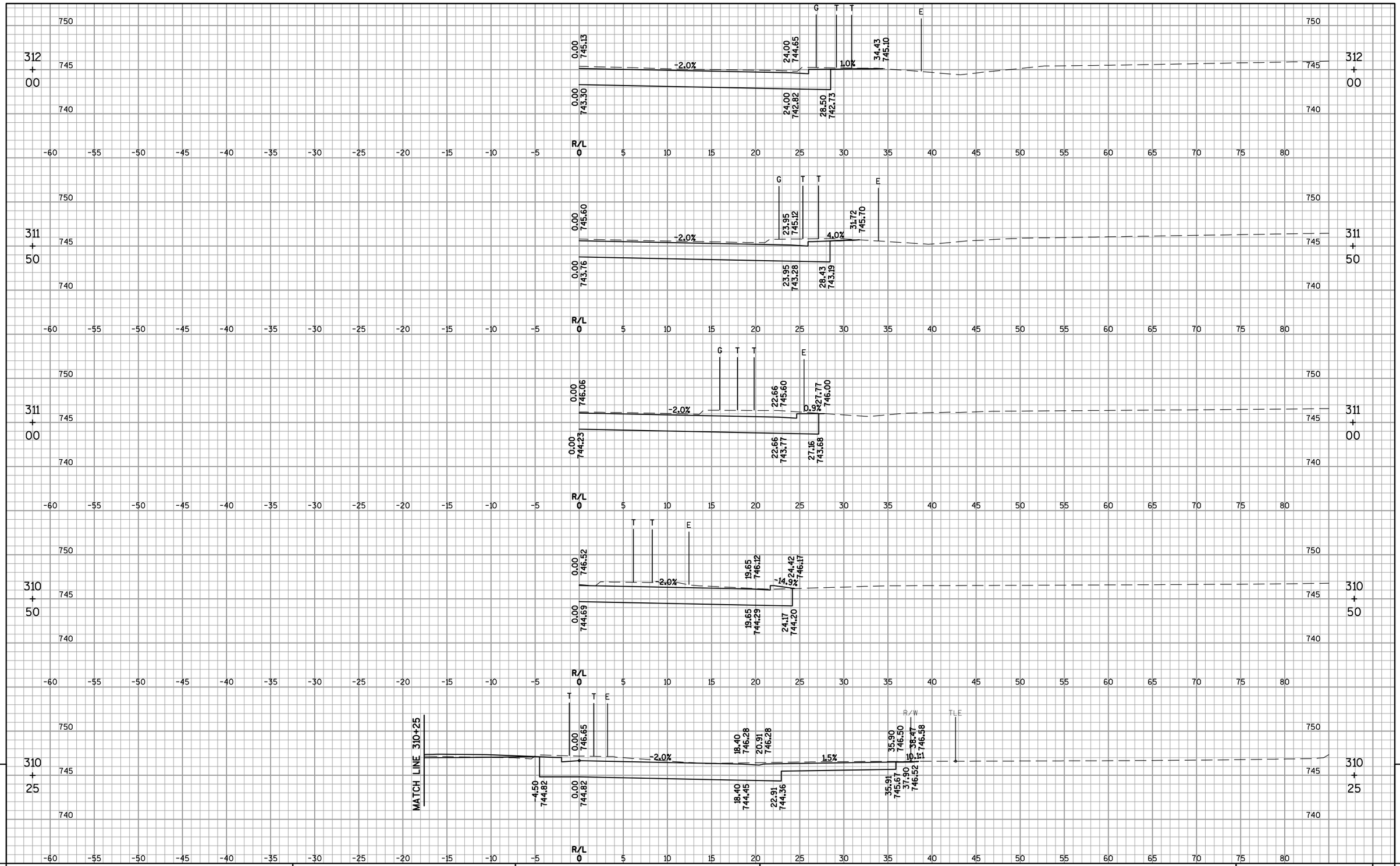
PLOT DATE : 10/24/2014 8:20 AM PLOT BY : OMNNI ASSOCIATES, INC - DAVE PERRY

WISDOT/CADDS SHEET 49



9

PROJECT NO: 4160-05-71 / 4160-05-73	HWY: CTH CE	COUNTY: OUTAGAMIE	CROSS SECTIONS: EISENHOWER DRIVE CENTER NORTHBOUND	SHEET 311	E

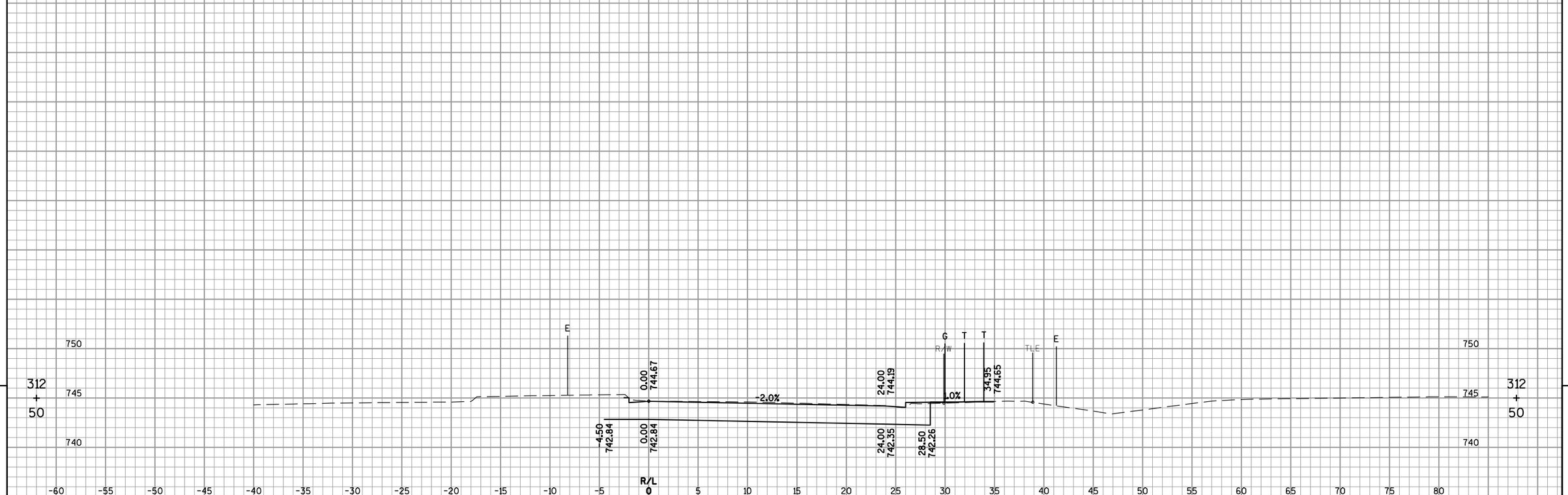


9

PROJECT NO: 4160-05-71 / 4160-05-73	HWY: CTH CE	COUNTY: OUTAGAMIE	CROSS SECTIONS: EISENHOWER DRIVE NORTH NORTHBOUND	SHEET 312	E

FILE NAME : F:\TR\JOBS\E1887A09\CIVIL 3D 2012\SHEETSPLAN\416005_090200_XS.DWG
416005_090257_xs

PLOT DATE : 10/24/2014 8:21 AM PLOT BY : OMNNI ASSOCIATES, INC - DAVE PERRY



9

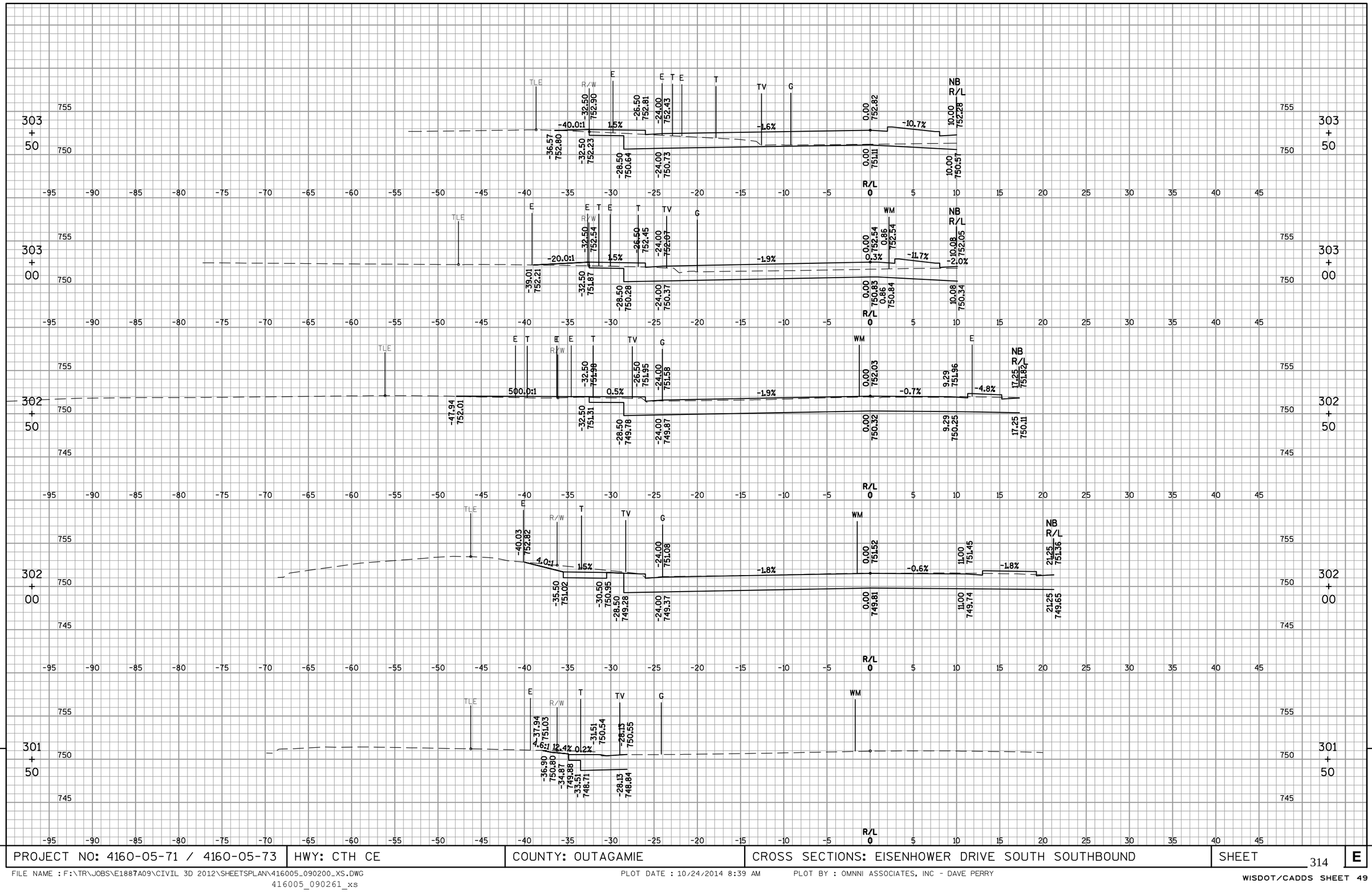
9

PROJECT NO: 4160-05-71 / 4160-05-73	HWY: CTH CE	COUNTY: OUTAGAMIE	CROSS SECTIONS: EISENHOWER DRIVE NORTH NORTHBOUND	SHEET 313	E

FILE NAME : F:\TR\JOBS\E1887A09\CIVIL 3D 2012\SHEETSPLAN\416005_090200_XS.DWG
416005_090258_xs

PLOT DATE : 10/30/2014 10:41 AM PLOT BY : OMNNI ASSOCIATES, INC - RYAN BETKER

WISDOT/CADDS SHEET 49

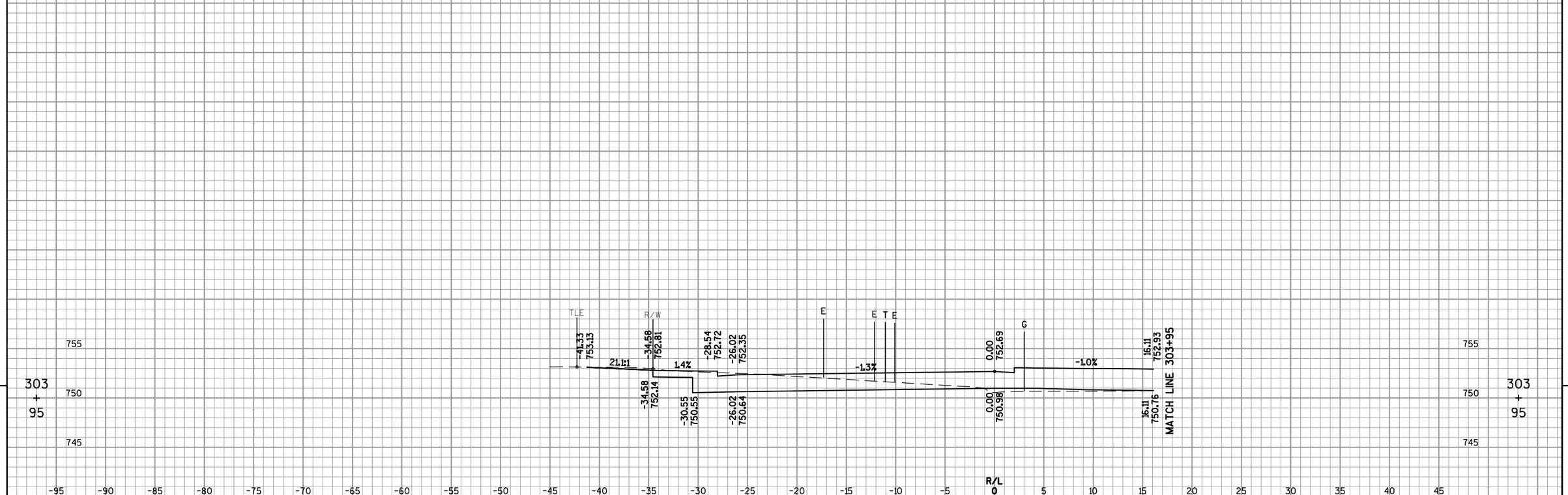


9

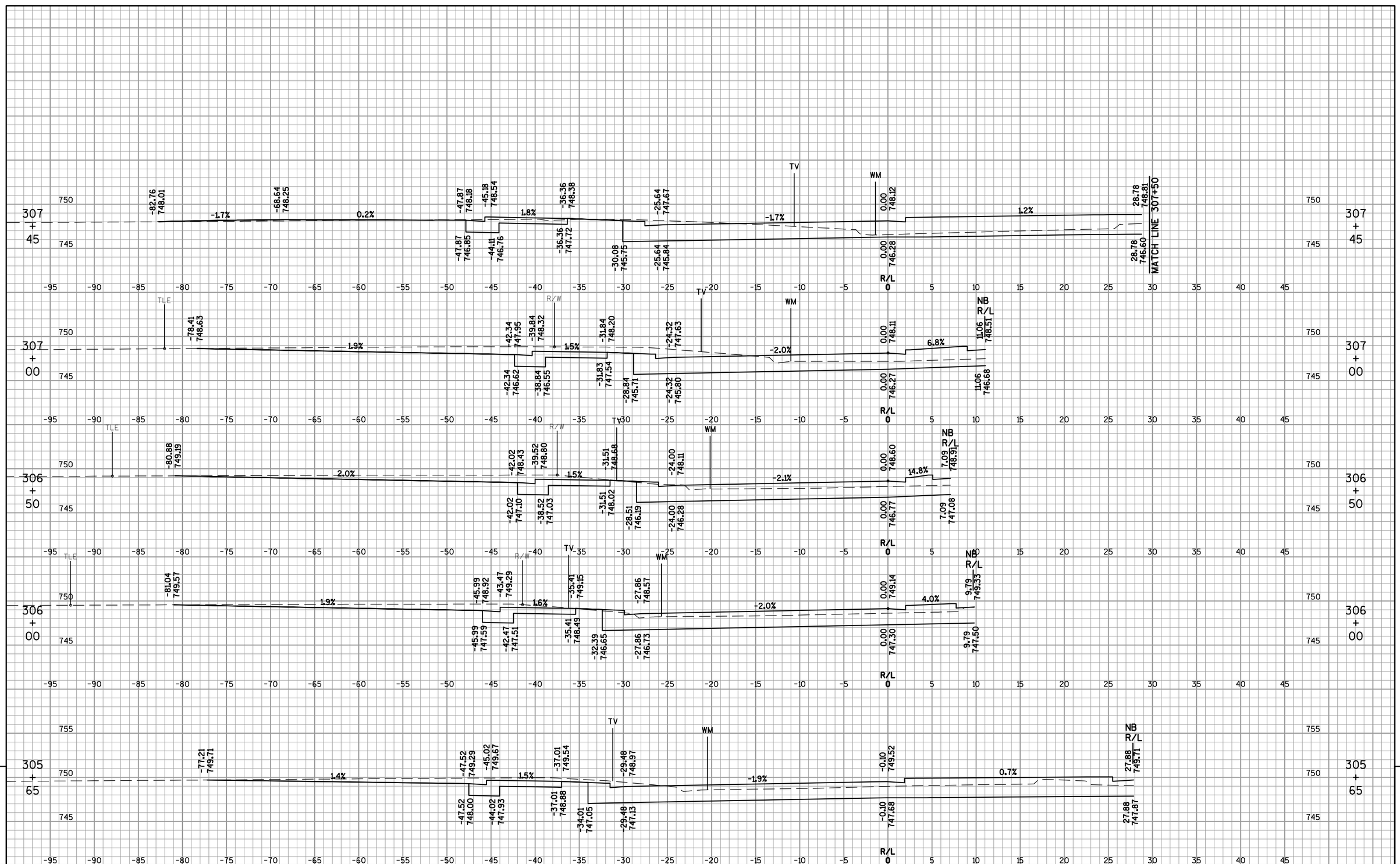
PROJECT NO: 4160-05-71 / 4160-05-73	HWY: CTH CE	COUNTY: OUTAGAMIE	CROSS SECTIONS: EISENHOWER DRIVE SOUTH SOUTHBOUND	SHEET 314	E

FILE NAME : F:\TR\JOBS\E1887A09\CIVIL 3D 2012\SHEETSPLAN\416005_090200_XS.DWG
416005_090261_xs

PLOT DATE : 10/24/2014 8:39 AM PLOT BY : OMNNI ASSOCIATES, INC - DAVE PERRY



PROJECT NO: 4160-05-71 / 4160-05-73	HWY: CTH CE	COUNTY: OUTAGAMIE	CROSS SECTIONS: EISENHOWER DRIVE SOUTH SOUTHBOUND	SHEET 315	E



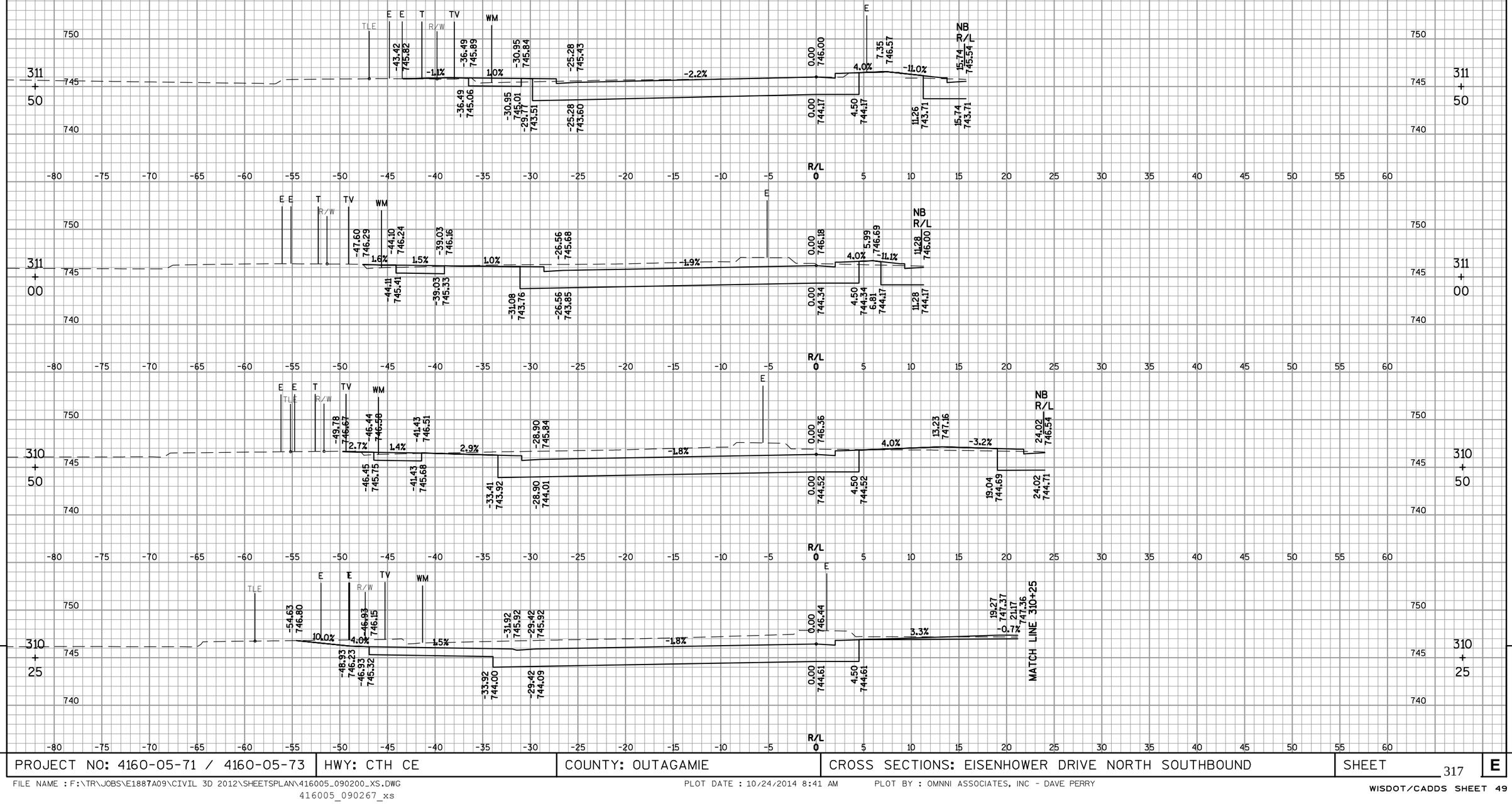
9

PROJECT NO: 4160-05-71 / 4160-05-73	HWY: CTH CE	COUNTY: OUTAGAMIE	CROSS SECTIONS: EISENHOWER DRIVE CENTER SOUTHBOUND	SHEET 316	E

9

FILE NAME : F:\TR\JOBS\E1887A09\CIVIL 3D 2012\SHEETSPLAN\416005_090200_XS.DWG
416005_090264_xs

PLOT DATE : 10/24/2014 8:40 AM PLOT BY : OMNNI ASSOCIATES, INC - DAVE PERRY



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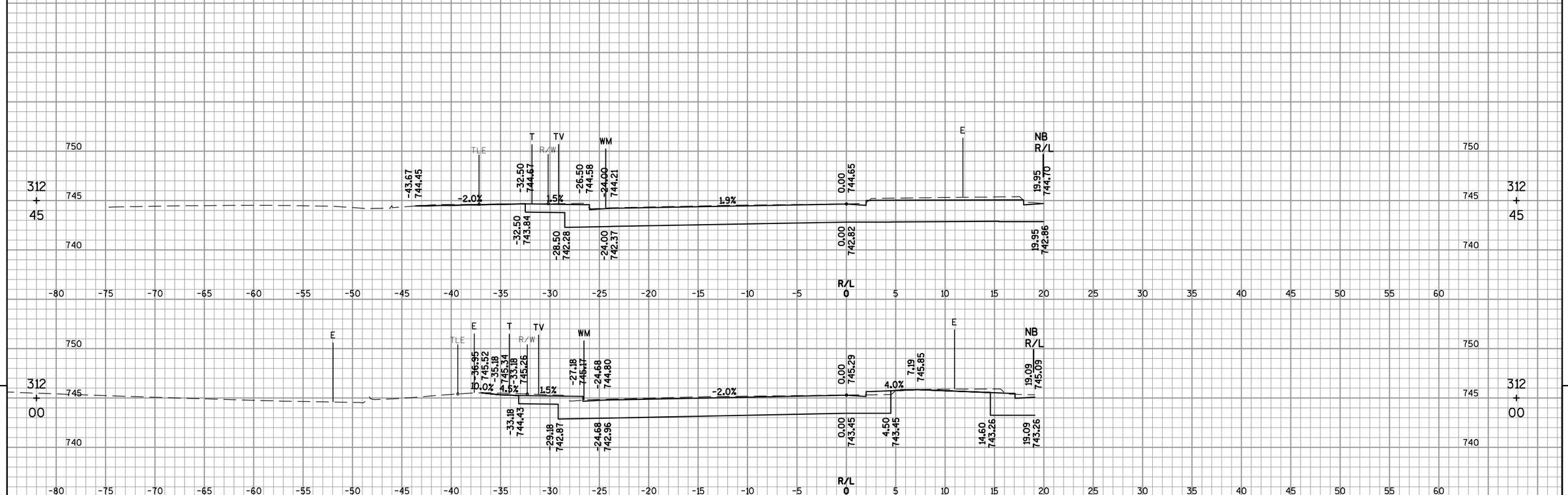
PROJECT NO: 4160-05-71 / 4160-05-73	HWY: CTH CE	COUNTY: OUTAGAMIE	CROSS SECTIONS: EISENHOWER DRIVE NORTH SOUTHBOUND	SHEET 317	E

FILE NAME : F:\TR\JOBS\E1887A09\CIVIL 3D 2012\SHEETSPLAN\416005_090200_XS.DWG
416005_090267_xs

PLOT DATE : 10/24/2014 8:41 AM PLOT BY : OMNNI ASSOCIATES, INC - DAVE PERRY

WISDOT/CADDS SHEET 49



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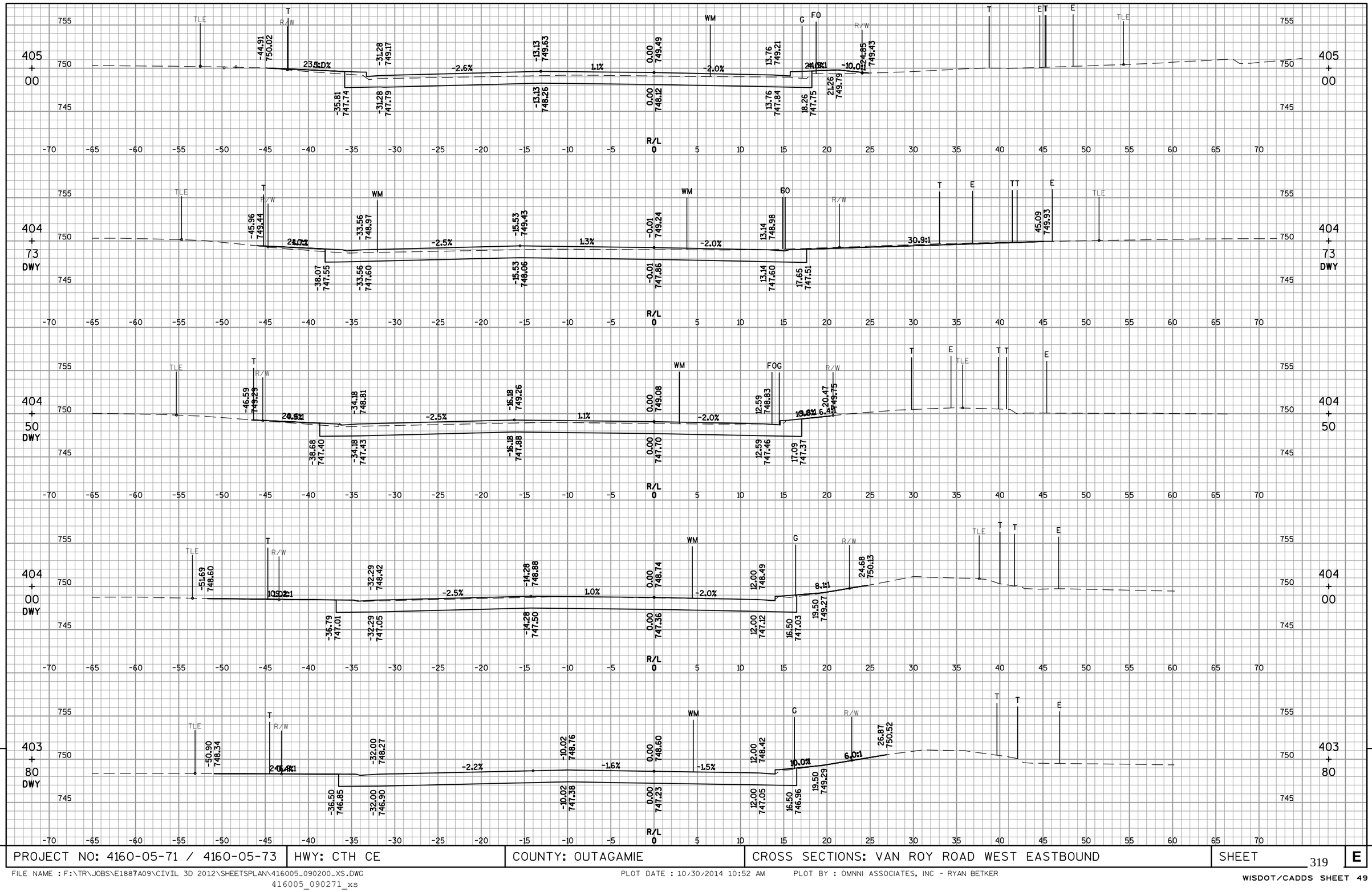
PROJECT NO: 4160-05-71 / 4160-05-73	HWY: CTH CE	COUNTY: OUTAGAMIE	CROSS SECTIONS: EISENHOWER DRIVE NORTH SOUTHBOUND	SHEET 318	E

9

FILE NAME : F:\TR\JOBS\E1887A09\CIVIL 3D 2012\SHEETSPLAN\416005_090200_XS.DWG
416005_090268_xs

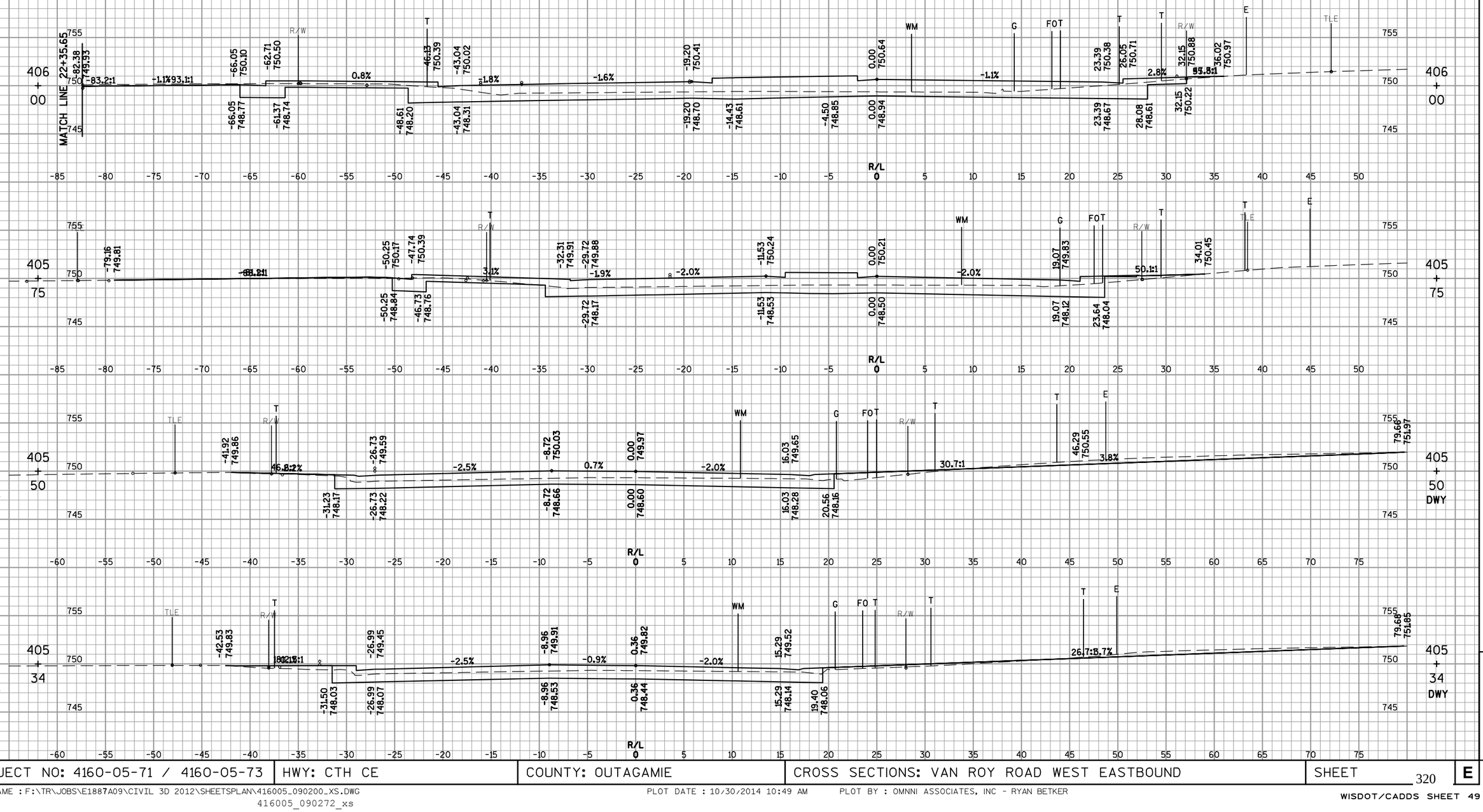
PLOT DATE : 10/24/2014 8:42 AM PLOT BY : OMNNI ASSOCIATES, INC - DAVE PERRY

WISDOT/CADDS SHEET 49



PROJECT NO: 4160-05-71 / 4160-05-73	HWY: CTH CE	COUNTY: OUTAGAMIE	CROSS SECTIONS: VAN ROY ROAD WEST EASTBOUND	SHEET 319	E

FILE NAME : F:\TR\JOBS\E1887A09\CIVIL 3D 2012\SHEETSPLAN\416005_090200_XS.DWG
416005_090271_xs
PLOT DATE : 10/30/2014 10:52 AM
PLOT BY : OMNNI ASSOCIATES, INC - RYAN BETKER
WISDOT/CADDS SHEET 49

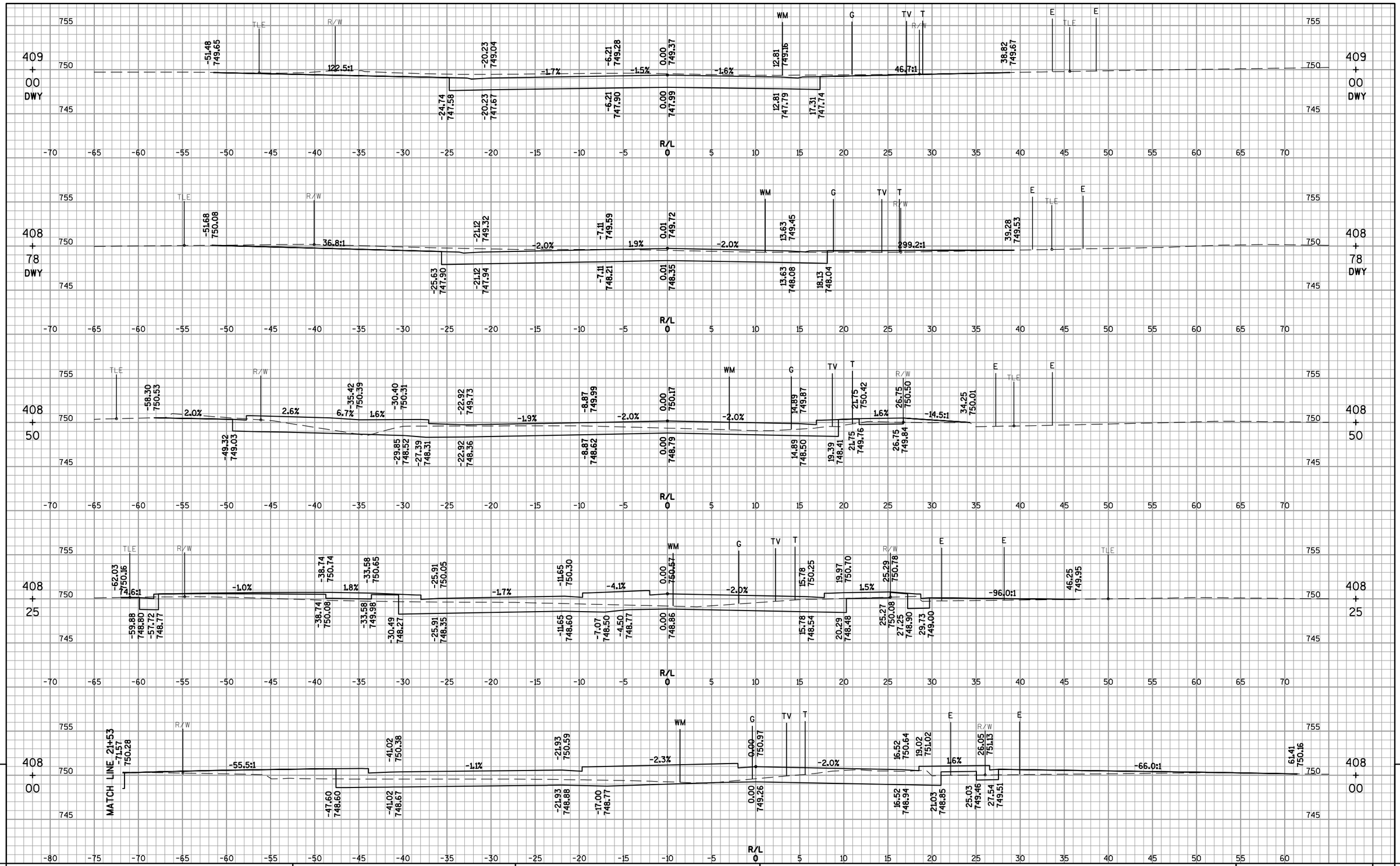


PROJECT NO: 4160-05-71 / 4160-05-73	HWY: CTH CE	COUNTY: OUTAGAMIE	CROSS SECTIONS: VAN ROY ROAD WEST EASTBOUND	SHEET 320	E

FILE NAME : F:\TR\JOBS\E1887A09\CIVIL 3D 2012\SHEETSPLAN\416005_090200_XS.DWG
416005_090272_xs

PLOT DATE : 10/30/2014 10:49 AM PLOT BY : OMNNI ASSOCIATES, INC - RYAN BETKER

WISDOT/CADDS SHEET 49



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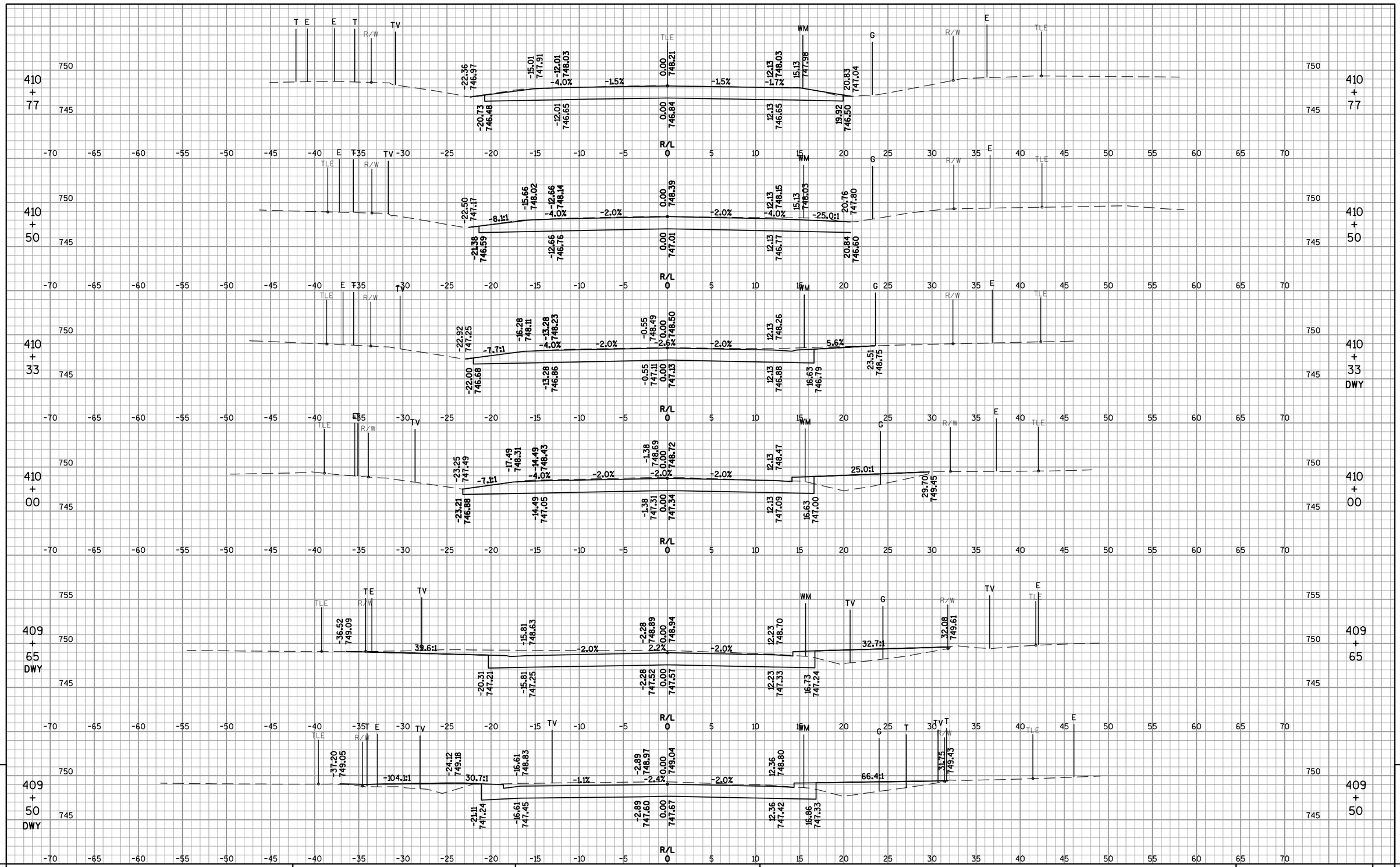
PROJECT NO: 4160-05-71 / 4160-05-73	HWY: CTH CE	COUNTY: OUTAGAMIE	CROSS SECTIONS: VAN ROY ROAD EAST EASTBOUND	SHEET 321	E



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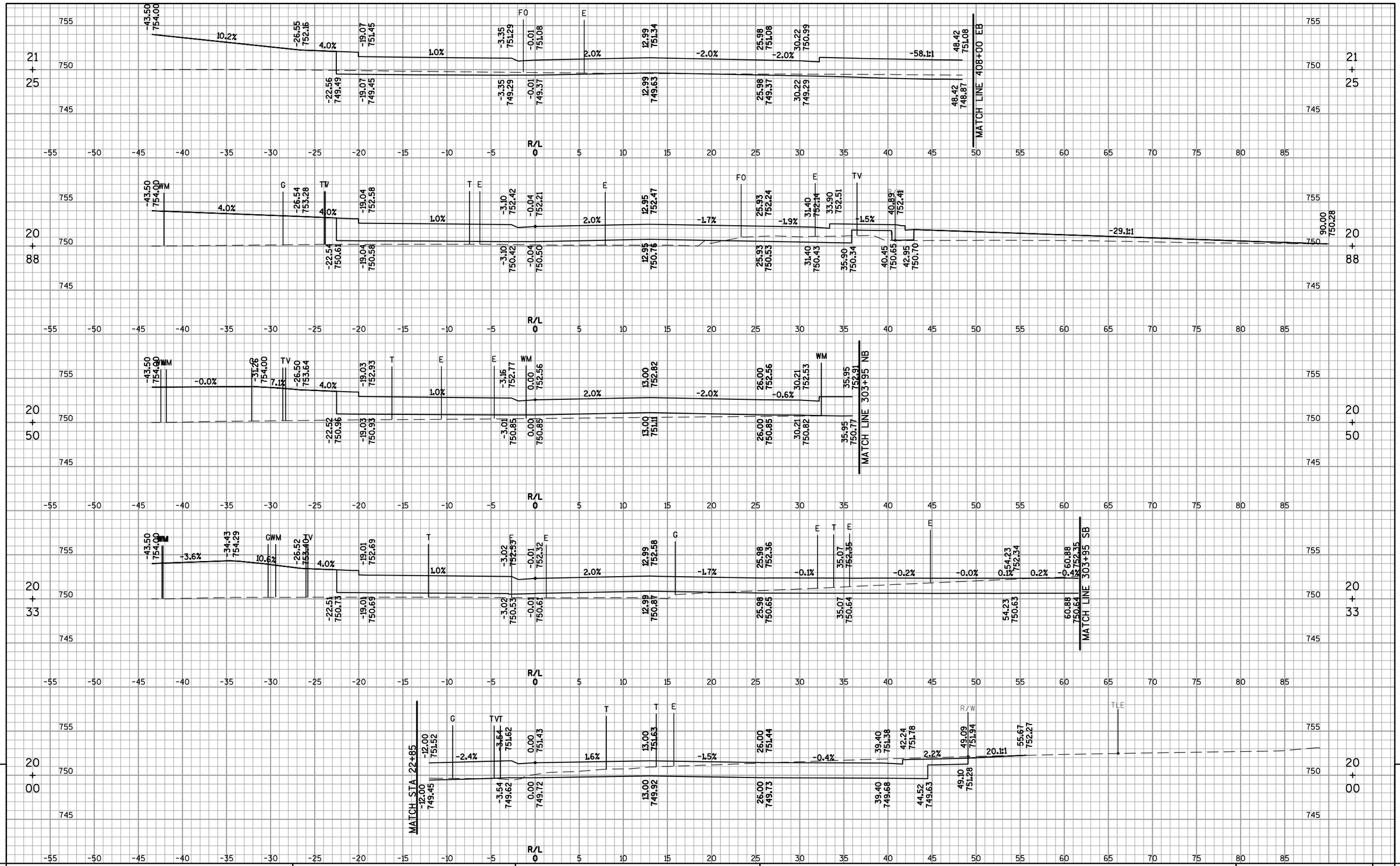
PROJECT NO: 4160-05-71 / 4160-05-73	HWY: CTH CE	COUNTY: OUTAGAMIE	CROSS SECTIONS: VAN ROY ROAD EAST EASTBOUND	SHEET 322	E

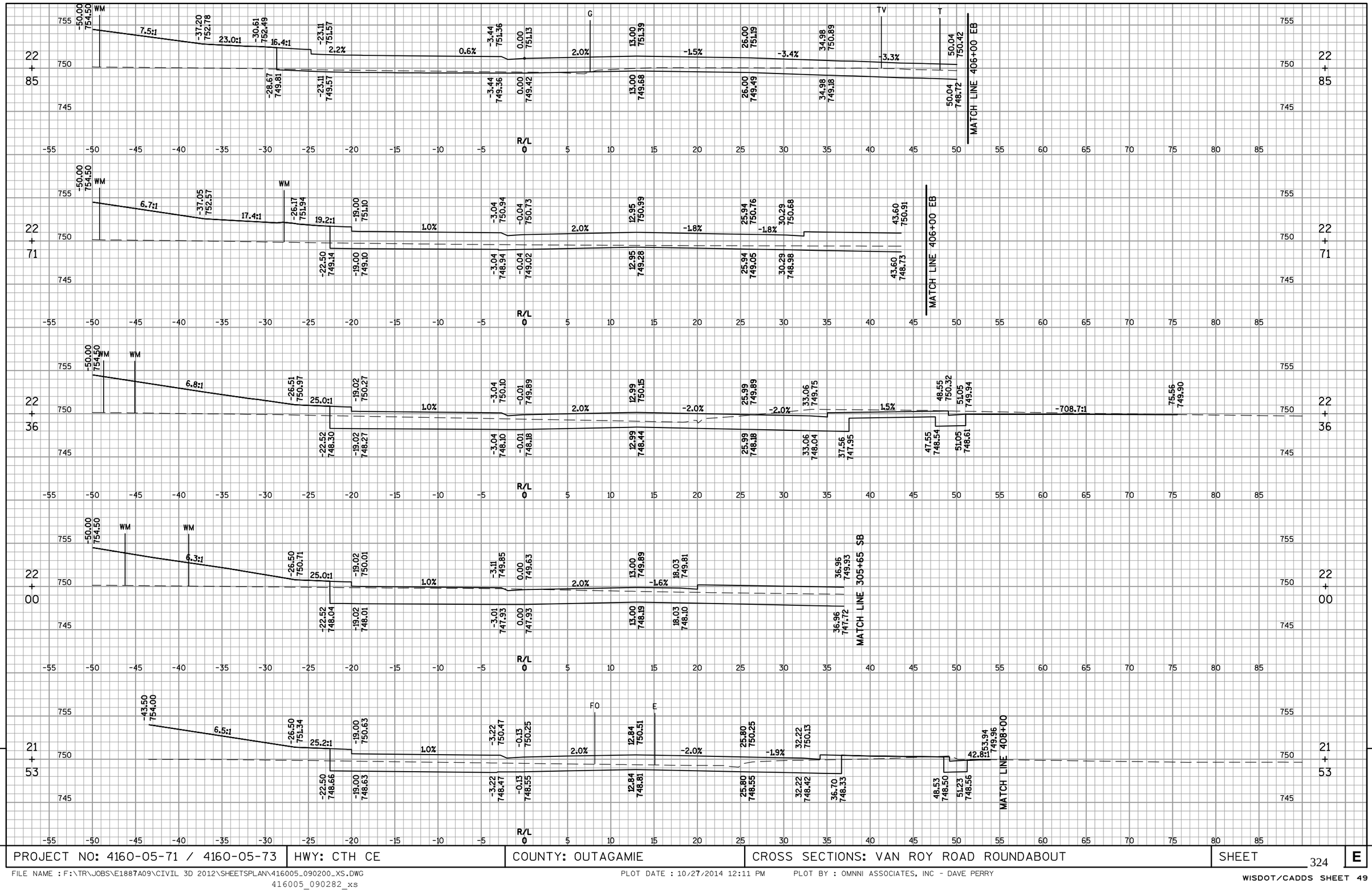


PROJECT NO: 4160-05-71 / 4160-05-73	HWY: CTH CE	COUNTY: OUTAGAMIE	CROSS SECTIONS: VAN ROY ROAD ROUNDABOUT	SHEET 323	E

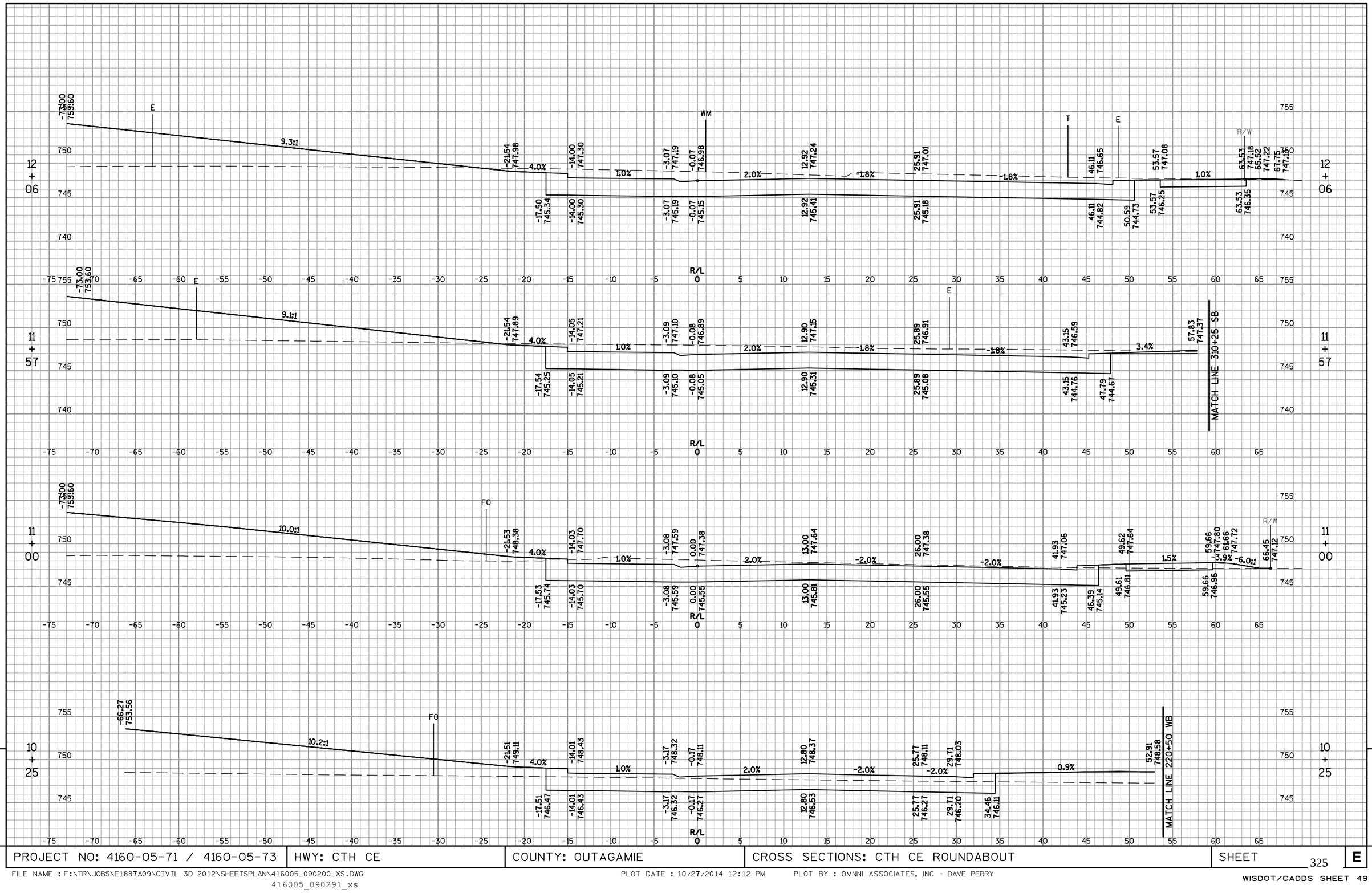
FILE NAME : F:\TR\JOBS\E1887A09\CIVIL 3D 2012\SHEETSPLAN\416005_090200_XS.DWG
416005_090281_xs

PLOT DATE : 10/27/2014 12:10 PM PLOT BY : OMNNI ASSOCIATES, INC - DAVE PERRY

WISDOT/CADDS SHEET 49

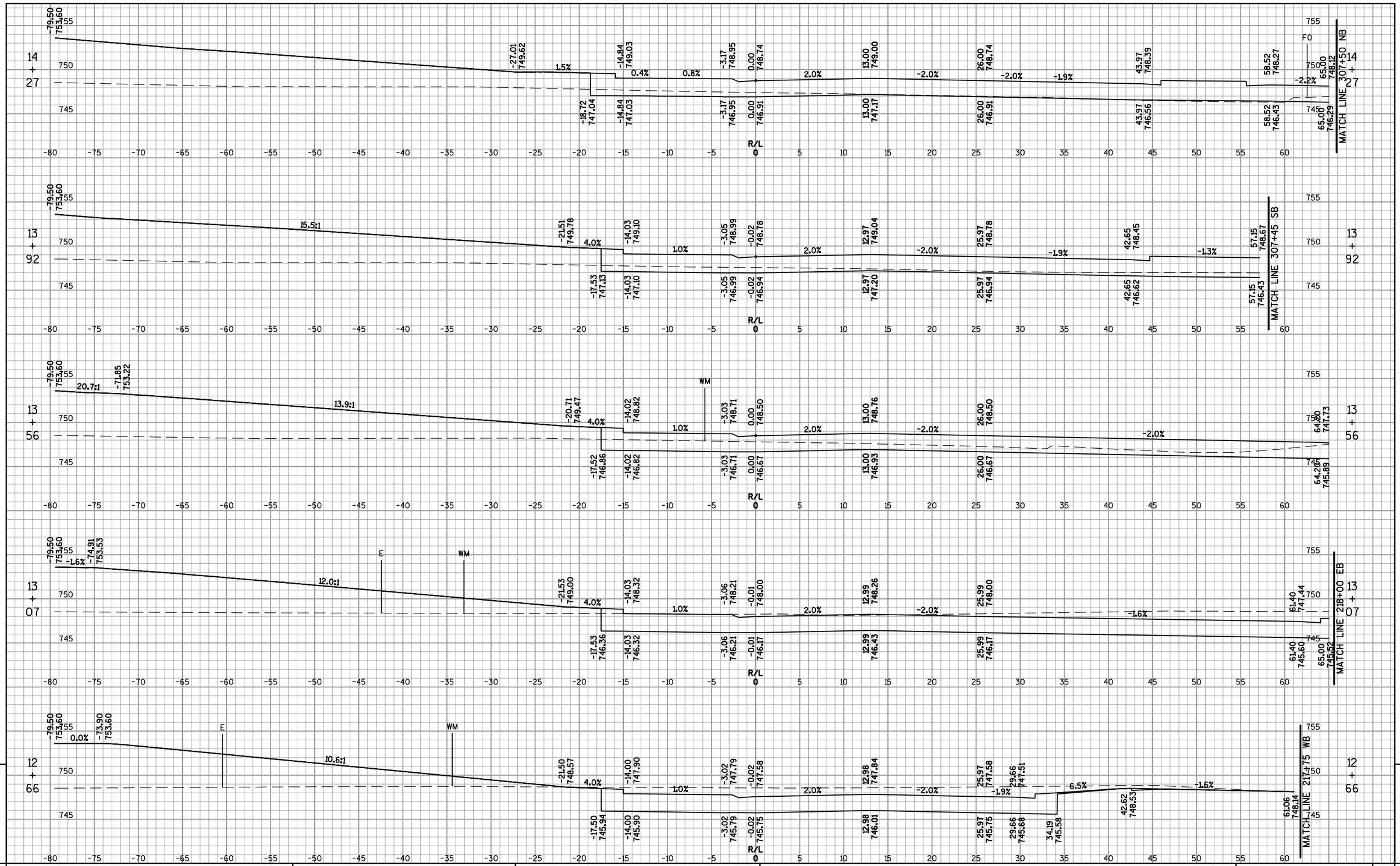


PROJECT NO: 4160-05-71 / 4160-05-73	HWY: CTH CE	COUNTY: OUTAGAMIE	CROSS SECTIONS: VAN ROY ROAD ROUNDABOUT	SHEET 324	E



9

PROJECT NO: 4160-05-71 / 4160-05-73	HWY: CTH CE	COUNTY: OUTAGAMIE	CROSS SECTIONS: CTH CE ROUNDABOUT	SHEET 325	E

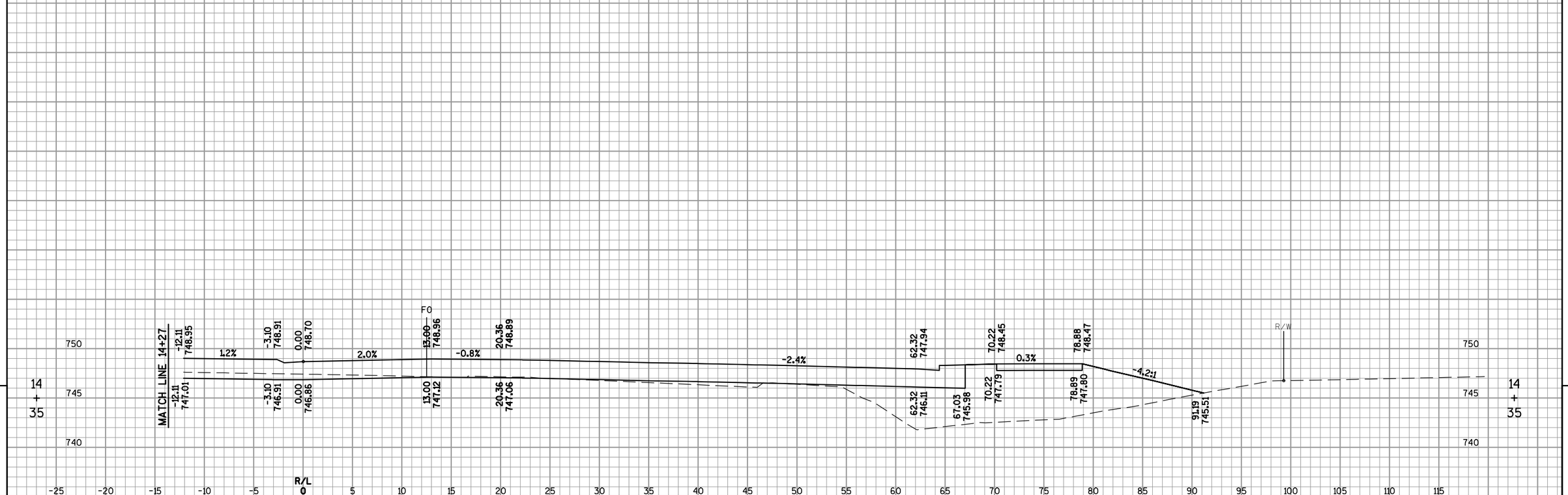


9

PROJECT NO: 4160-05-71 / 4160-05-73	HWY: CTH CE	COUNTY: OUTAGAMIE	CROSS SECTIONS: CTH CE ROUNDABOUT	SHEET 326	E

FILE NAME : F:\TR\JOBS\E1887A09\CIVIL 3D 2012\SHEETSPLAN\416005_090200_XS.DWG
416005_090292_xs

PLOT DATE : 10/27/2014 12:13 PM PLOT BY : OMNNI ASSOCIATES, INC - DAVE PERRY



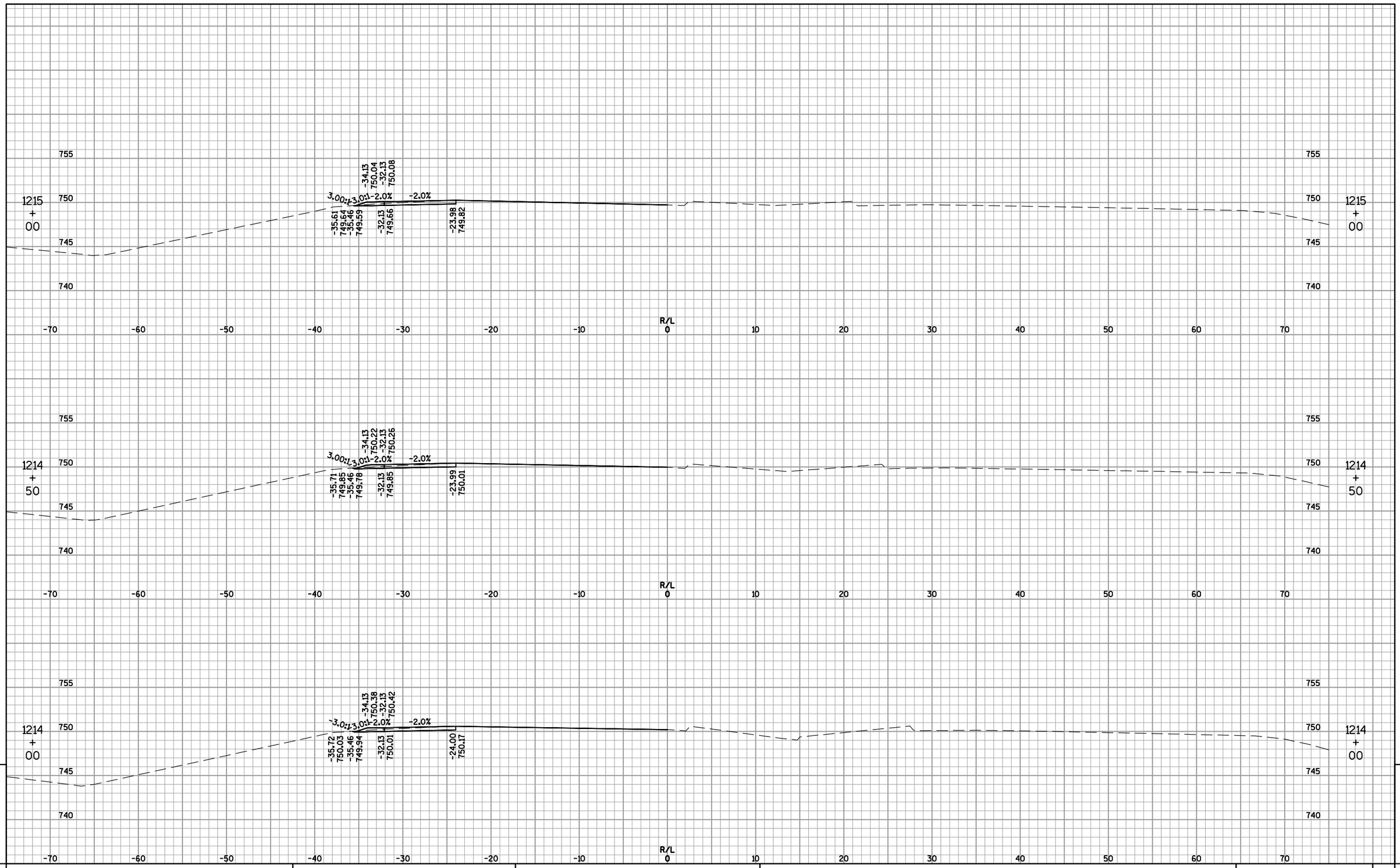
9 9

PROJECT NO: 4160-05-71 / 4160-05-73	HWY: CTH CE	COUNTY: OUTAGAMIE	CROSS SECTIONS: CTH CE ROUNDABOUT	SHEET 327	E

FILE NAME : F:\TR\JOBS\E1887A09\CIVIL 3D 2012\SHEETSPLAN\416005_090200_XS.DWG
416005_090293_xs

PLOT DATE : 10/27/2014 12:13 PM PLOT BY : OMNNI ASSOCIATES, INC - DAVE PERRY

WISDOT/CADDS SHEET 49



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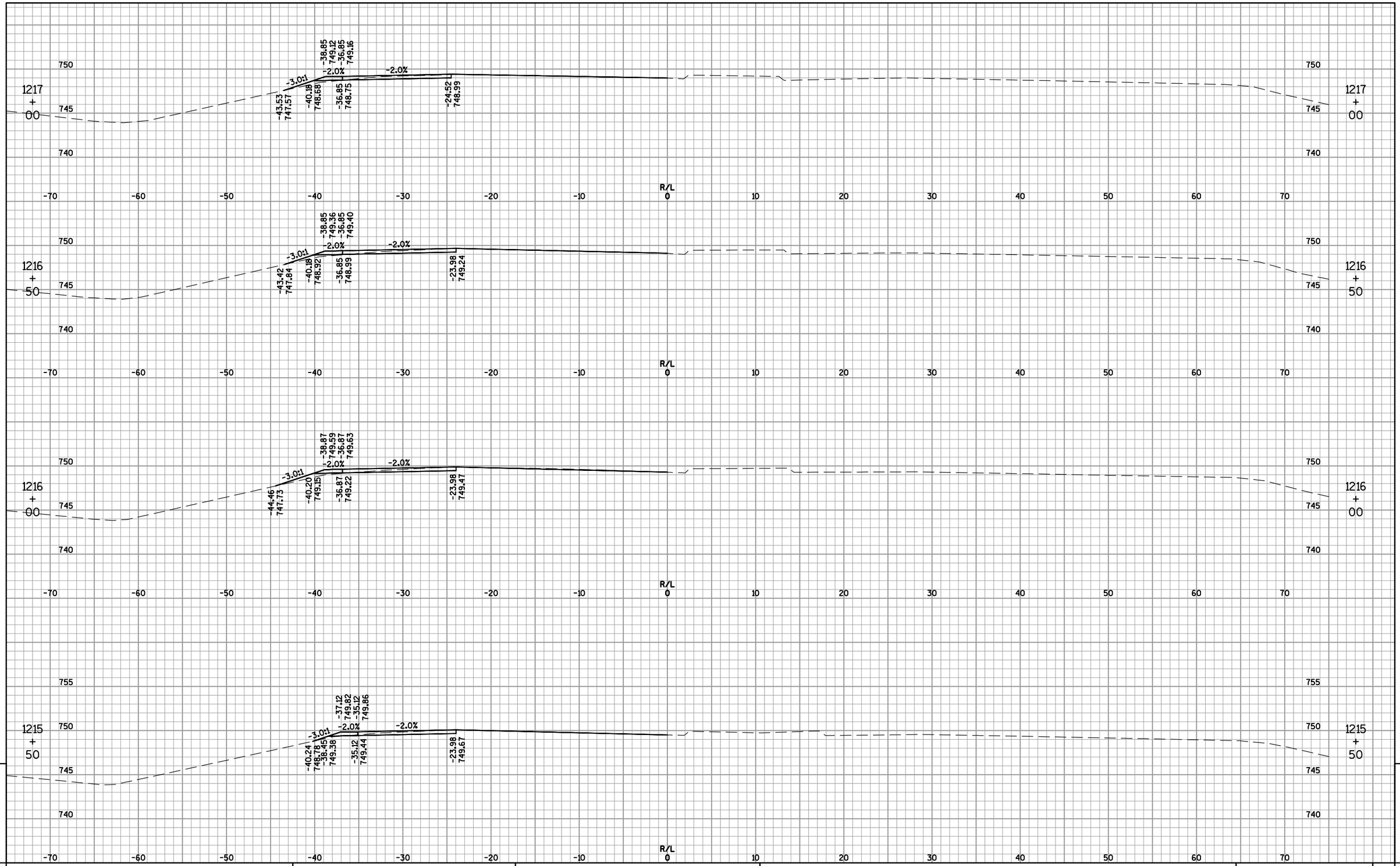
9

PROJECT NO: 4160-05-71 / 4160-05-73	HWY: CTH CE	COUNTY: OUTAGAMIE	CROSS SECTIONS: TRAFFIC CONTROL - TEMPORARY WIDENING	SHEET 328	E



PROJECT NO: 4160-05-71 / 4160-05-73	HWY: CTH CE	COUNTY: OUTAGAMIE	CROSS SECTIONS: TRAFFIC CONTROL - TEMPORARY WIDENING	SHEET 329	E

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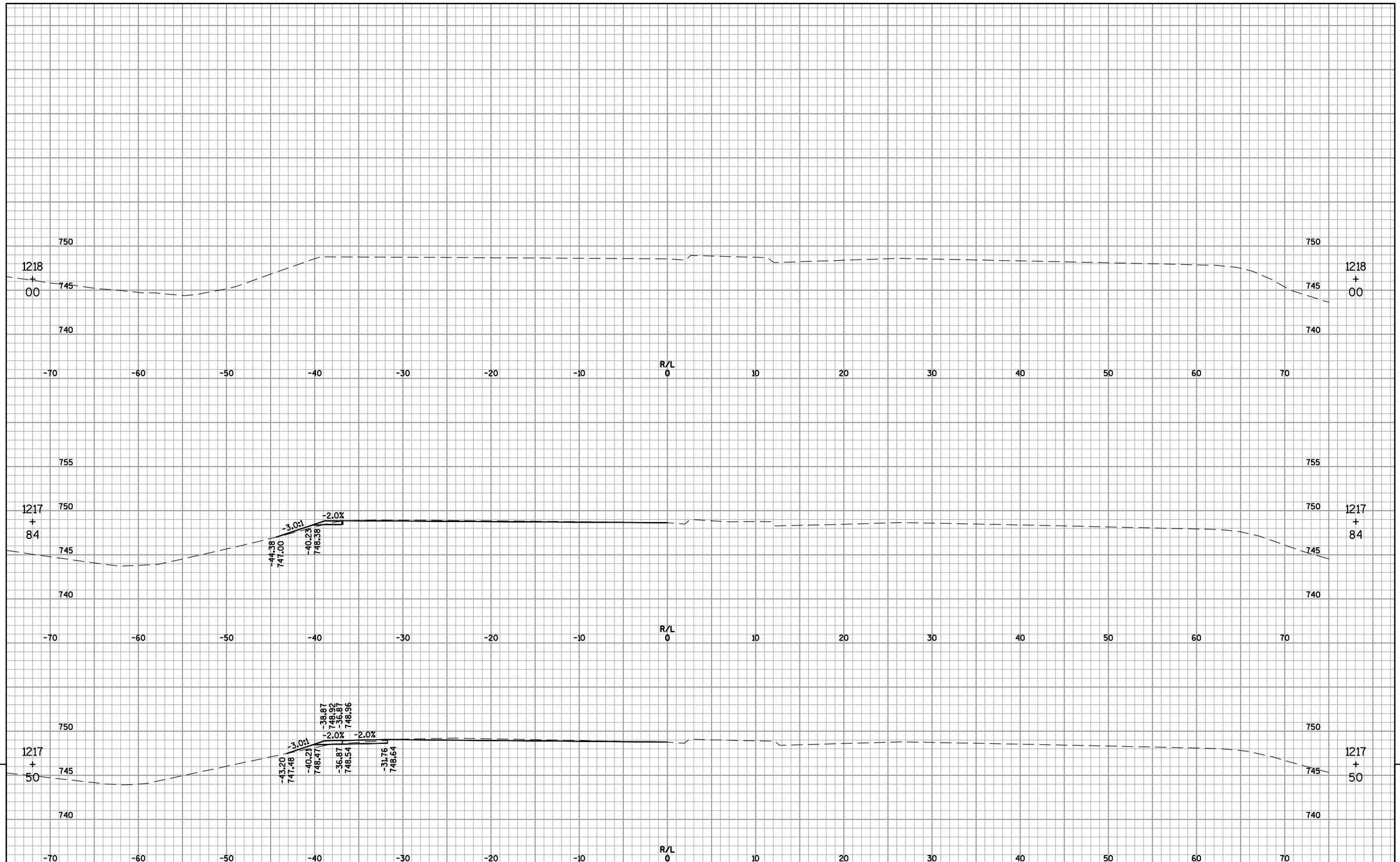
416005_090302_xs

PLOT DATE : 10/23/2014 1:29 PM

PLOT BY : OMNNI ASSOCIATES, INC - DAVE PERRY

WISDOT/CADDS SHEET 49



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PROJECT NO: 4160-05-71 / 4160-05-73	HWY: CTH CE	COUNTY: OUTAGAMIE	CROSS SECTIONS: TRAFFIC CONTROL - TEMPORARY WIDENING	SHEET 330	E

9

Notes

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