GRE

DECEMBER 2017

PROJECT ID: 4650-08-71
WITH: N/A

COUNTY: OUTAGAMIE

ORDER OF SHEETS

Section No.	1	Title
Section No.	2	Typical Sections and Details (Includes Erosion Control)
Section No.	3	Estimate of Quantities
Section No.	3	Miscellaneous Quantities
Section No.	4	Right of Way Plat
Section No.	5	Plan and Profile (Includes Erosion Control)
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 = 770

SHEETS REVISED
25,52,53,54,66,68,69,
71,72,78,79,80,83,84,
109,110,159,234,240,
243,246,294,296

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED IMPROVEMENT

CITY OF KAUKAUNA, DELANGLADE STREET

LAWE STREET - IH 41

STH 55

OUTAGAMIE COUNTY

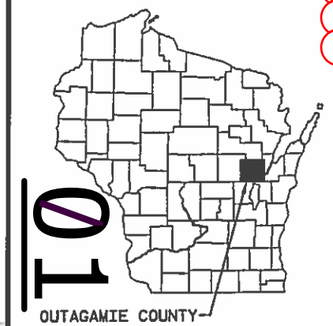
STATE PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
4650-08-71	WISC 2017623	1

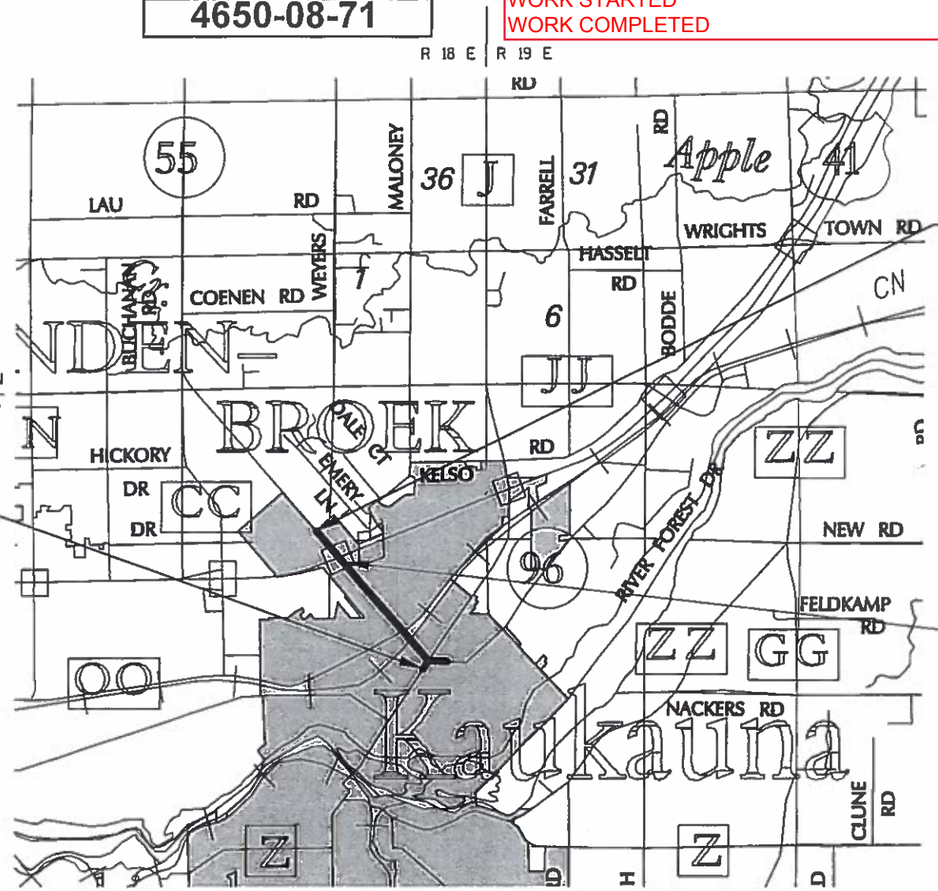
STATE PROJECT NUMBER
4650-08-71

AS-BUILT PLAN

SUPERVISOR: Charles Karow
PROJECT MANAGER: Tim Rank
PROJECT LEADER: Jesse Hanson
CONTRACTOR: Vinton Construction Company
WORK STARTED
WORK COMPLETED

SUBCONTRACTOR LIST
BODART ELECTRIC SERVICE, INC
BRICKLINE INC.
CROWLEY CONSTRUCTION CORP
ELASTIZELL OF WISCONSIN INC.
HARD ROCK SAWING & DRILLING SPECIALIST CO.
INTERSTATE TREE LNDSCP CO
MARTELL CONSTRUCTION INC.
MEGA RENTALS, INC.
NORTHEAST ASPHALT, INC.
NORTHWAY FENCE INC.
PAVEMENT MAINTENANCE INC.
SPEEDY CLEAN INC.
TNT PROF LAND SURVEYORS, INC.
VINTON CONSTRUCTION CONPANY
WEST-LAND RESTORATION, INC.





LAYOUT
SCALE 0 1/2 MI. 1 MI.

TOTAL NET LENGTH OF CENTERLINE = 1.157 MI.

COORDINATES ON THIS PLAN ARE REFERENCED TO THE WISCONSIN COUNTY COORDINATE SYSTEM (WCCS), OUTAGAMIE COUNTY 1983 (1991 ADJUSTMENT)

DESIGN DESIGNATION

A.A.D.T. (2018)	=	11,700
A.A.D.T. (2038)	=	14,600
D.H.V. (K100)	=	11.0
D.D.	=	59/41
T. (DHV)	=	14.8%
DESIGN SPEED	=	30 MPH/50 MPH
ESALS	=	4,100,000

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

ORIGINAL PLANS PREPARED BY
OMNI ASSOCIATES

7/18/17

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PREPARED BY

Surveyor	JT ENGINEERING, INC.
Designer	OMNNI ASSOCIATES, INC.
Project Manager	TIM RANK
Regional Examiner	
Regional Supervisor	CHARLES KAROW
C.O. Examiner	

APPROVED FOR THE DEPARTMENT
DATE: 7/18/17 (Signature)

E

GENERAL NOTES

THE 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.

FILL AS SHOWN ON THE PLANS PERTAINS TO EMBANKMENTS CONSTRUCTED FROM COMMON EXCAVATION .

IF EXCAVATION BELOW SUBGRADE (EBS) IS REQUIRED, IT WILL BE MEASURED AND PAID FOR AS COMMON EXCAVATION. THE LIMITS OF EBS WILL BE DETERMINED BY THE ENGINEER IN THE FIELD.

ALL DISTURBED AREAS NOT OTHERWISE SURFACED, ARE TO BE TOPSOILED, FERTILIZED, AND E-MATTED WITHIN 5 DAYS AFTER PLACEMENT OF TOPSOIL EXCEPT WHERE NOTED.

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

INLET AND DISCHARGE ELEVATIONS FOR DRAINAGE STRUCTURES SHOWN ARE APPROXIMATE AND SHALL BE VERIFIED BY THE ENGINEER IN THE FIELD.

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

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.

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.

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

CURB AND GUTTER RADII ARE SHOWN TO THE CURB FACE.
CURB AND GUTTER GRADES ARE MEASURED AT THE FLANGE.

CURB RAMP OPENINGS AS SHOWN ON THE PLANS ARE APPROXIMATE. ALL RAMP OPENINGS ARE INCIDENTAL TO THE ITEM OF CURB AND GUTTER AND SHALL BE 6" DEPTH.

FIVE FOOT WIDE SIDEWALK REQUIRES TRANSVERSE JOINTS SPACED AT FIVE FEET, EIGHT FOOT WIDE SIDEWALK REQUIRES TRANSVERSE JOINTS SPACED AT EIGHT FEET, AND TEN FOOT WIDE SIDEWALK REQUIRES TRANSVERSE JOINTS SPACED AT TEN FEET. ALL TRANSVERSE JOINTS IN EIGHT FOOT WIDE AND TEN FOOT WIDE CONCRETE SIDEWALKS ARE REQUIRED TO BE SAWED.

PROVIDE AN ARTIFICIAL TURF DRAG AND TINED SURFACE FINISH ON IH-41 INTERCHANGE RAMPS.
FOR ALL OTHER CONCRETE PAVEMENT PROVIDE AND ARTIFICIAL TURF DRAG FINISH AND SEAL JOINTS.

BOXOUTS SHALL BE PROVIDED IN CONCRETE BY THE CONTRACTOR FOR SIGN PLACEMENT. THE COST FOR BOXOUTS WILL BE INCIDENTAL TO ASSOCIATED CONCRETE ITEM. LOCATIONS SHALL BE DETERMINED BY THE ENGINEER.

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 TRANSVERSE CONTRACTION JOINTS, LONGITUDINAL JOINTS AND CONSTRUCTION JOINTS FOR CONCRETE PAVEMENT AND CONCRETE CURB AND GUTTER SHALL BE SAWED AND SEALED AS SHOWN IN CONSTRUCTION AND PAVING DETAILS.

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.

DISTANCES SHOWN ON THIS PLAN ARE GROUND DISTANCES.
BEARINGS SHOWN ON THIS PLAN ARE GRID BEARINGS.

STOCKPILE EXCESS MATERIAL OR SPOILS ON UPLAND AREAS AWAY FROM WETLANDS, FLOOD PLAINS AND WATERWAYS AND OUT OF RAILROAD VISION TRIANGLES STOCKPILE SOIL SHALL BE PROTECTED AGAINST EROSION

ORDER OF "SECTION 2" SHEETS

SHEET TITLE

GENERAL NOTES
PROJECT OVERVIEW
TYPICAL SECTIONS
CONSTRUCTION DETAILS
REMOVALS
PAVING DETAILS
ITS
EROSION CONTROL
STORM SEWER
SANITARY SEWER
PLANTING
PERMANENT SIGNING
LIGHTING
TRAFFIC SIGNAL REMOVAL
TRAFFIC SIGNAL LAYOUT
PAVEMENT MARKING
TRAFFIC CONTROL STAGING
DETOUR PLAN
FENCING PLAN
ALIGNMENT LAYOUT

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 = 52.22 ACRES
ACTIVITIES = 33.57 ACRES

UTILITIES

WATER	KAUKAUNA UTLITIES KEVIN OBALIA 777 ISLAND ST PO BOX 1777 KAUKAUNA, WI 54130-7077 TEL: 920-462-0233 EMAIL: kobalia@ku_wi.org
SANITARY SEWER	CITY OF KAUKAUNA JOHN NEUMEIER 144 W SECOND ST PO BOX 890 KAUKAUNA, WI 54130-0890 TEL: 920-766-6305 EMAIL: neumeier@kaukauna-wi.org
ELECTRIC	KAUKAUNA UTLITIES LONNIE PICHLER 777 ISLAND ST PO BOX 1777 KAUKAUNA, WI 54130-7077 TEL: 920-462-0217 EMAIL: lpichler@ku-wi.org
GAS	WE ENERGIES HEATHER DEUTH 800 S LYNNDALE DR APPLETON, WI 54912 TEL: 920-242-5633 EMAIL: heather.deuth@daar.com
COMMUNICATION	TDS TELECOM STEVE JAKUBIEC 10 COLLEGE AVE, SUITE 218A APPLETON, WI 54911 TEL: 920-882-4166 EMAIL: steve.jakubiec@tdstelecom.com
	CHARTER COMMUNICATION VINCE ALBIN 3520 DESTINATION DR APPLETON, WI 54915 TEL: 920-831-9249 EMAIL: vince.albin@charter.com
	AT&T WISCONSIN JOSEPH KASSAB 221 WEST WASHINGTON ST APPLETON, WI 54911 TEL: 920-735-3206 EMAIL:jk572k@att.com
	NET LEC LLC-COMMUNICATIONS DENNIS LAFAVE 1700 INDUSTRIAL DRIVE GREEN BAY, WI 54302 TEL: 920- 619-9774 EMAIL: DLAFAVE@MI-TECH.US
	LEVEL 3 COMMUNICATIONS MARK DECHANT 612 WEST MAIN ST MADISON, WI 53703 TEL: 414-426-1857 EMAIL: MARK.DECHANT@LEVEL3.COM
	WISDOT JEFF MADSON STE. 300 433 W. ST. PAUL AVE MILWAUKEE, WI 53203-3007 TEL: 404-225-3723 EMAIL: JEFFRY.MADSON@DOT.WI.GOV
	CITY OF KAUKAUNA IT DAN MEYER, MEYER SERVICES N1004 TOWER VIEW DRIVE GREENVILLE, WI 54942 TEL: 920-734-0081 EMAIL: dan@meyer-usa.com

DIGGERS HOTLINE

Dial 811 or (800) 242-8511

www.DiggersHotline.com

OTHER CONTACTS

DNR LIAISON	WI DEPARTMENT OF NATURAL RESOURCES MATT SCHAEVE 2984 SHAWANO AVE GREEN BAY, WI 54313 TEL: 920-662-5474 EMAIL: matthew.schaeve@wisconsin.gov
DIGGERS HOTLINE	CABLE LOCATE TELEPHONE: (800) 242-8511 (TOLL FREE)

NOTE: CANADIAN NATIONAL RAILWAY IS NOT PART OF THE DIGGERS HOTLINE SYSTEM. CALL MARY ELLEN CARMODY AT 248-452-4705 WHEN DIGGING ON RAUILROAD R/W.
http://www.cn.ca/en/delivering-responsibly/safety/erailsafe/utility-installations

DESIGN CONTACTS	MIKE MALCOLM OMNNI ASSOCIATES ONE SYSTEMS DRIVE APPLETON, WI 54914 TEL: 920-830-6175 EMAIL: MIKE.MALCOLM@OMNNI.COM
	TIM RANK WISDOT NE REGION 944 VANDERPERREN WAY GREEN BAY, WI 54304 TEL: 920-360-2579 EMAIL: TIM.RANK@DOT.WI.GOV
CN RAILROAD FLAGGING AND FACILITY LOCATING	MARY ELLEN CARMODY, AUDIT OFFICER ADMINISTRATION SERVICE CENTER 2800 700 PERSHING STREET PONTIAC, MI 48340 TEL: 248-452-4705 EMAIL: maryellen.carmody@cn.ca
CN RAILROAD MAIN CONTACT	JACKIE MACEWICZ, MANAGER PUBLIC WORKS 1652 DEPOT STREET STEVENS POINT, WI 54481 TEL: 715-345-2503 EMAIL: jackie.macewicz@cn.ca

2

END PROJECT
STA 271+50.00
Y=577026.970
X=861769.373

272+79

270+00

ARBOR WAY

265+00

IH 41 SB
OFF-RAMP

R-44-0024

IH 41 NB
ON-RAMP

260+00

IH 41 SB
ON-RAMP

IH 41 SB

IH 41 NB

MALONEY RD

TEASEL

250+00

R-44-0026

TEASEL

IH 41 NB
OFF-RAMP

R-44-0025

GERTRUDE ST

245+00

BADGER RD

240+00

TEASEL

235+00

STH 55 (DELANGLADE ST)

CTH OO (HYLAND AVE)

230+00

225+00

BLACKWELL ST

DESNOYER ST

OVIATT ST

CTH J (LAWE ST)

TEASEL

TEASEL

220+00

PHRAGMITES

WCL RR

BLDG

CTH OO (HYLAND AVE)

215+00

STH 96 (PLANK RD)

BEGIN PROJECT
STA 207+30.00
Y=572163.410
X=865597.561

210+00

STH 55/96 (LAWE ST)

WCL RR

NOTE:
INVASIVE SPECIES LOCATIONS AND EXTENTS SHOWN AS LOCATED IN THE FALL OF 2014.

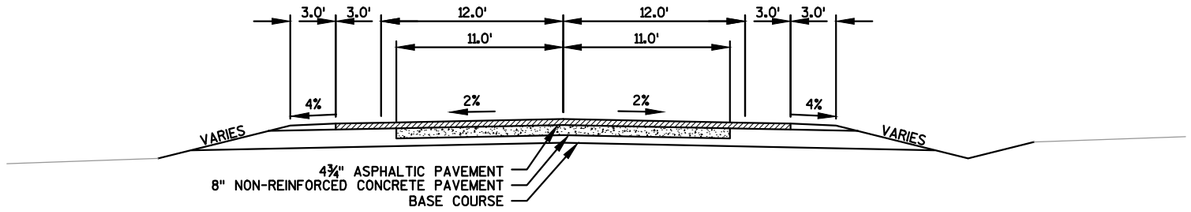
PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	PROJECT OVERVIEW AND INVASIVE SPECIES	SHEET 4	E

FILE NAME : F:\TR\JOBS\E1859A08\CIVIL 3D 2012\SHEETSPLAN\46500871_020201_PO.DWG
46500871_020201_po

PLOT DATE : 7/25/2017 11:20 AM

PLOT BY : OMNNI ASSOCIATES, INC - ANDREW WESTBROOK

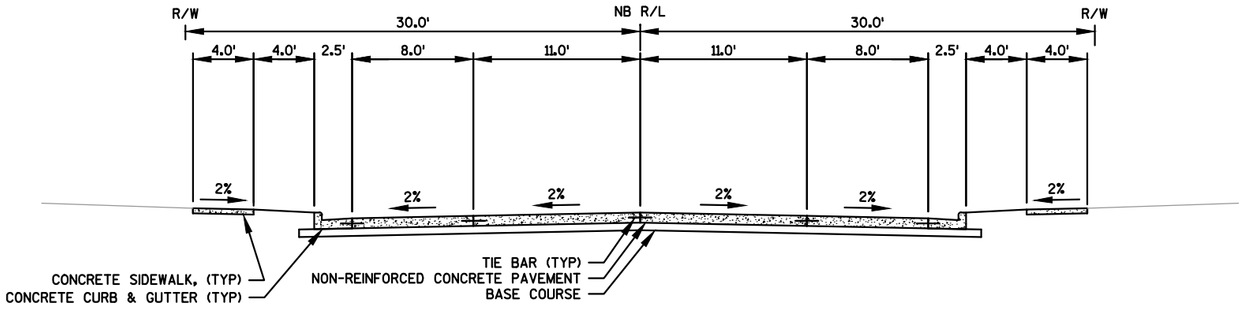
WISDOT/CADDS SHEET 42



TYPICAL EXISTING SECTION FOR STH 55 (DELANGLADE ST)

BLACKWELL ST TO WISCONSIN CENTRAL LIMITED RAILROAD

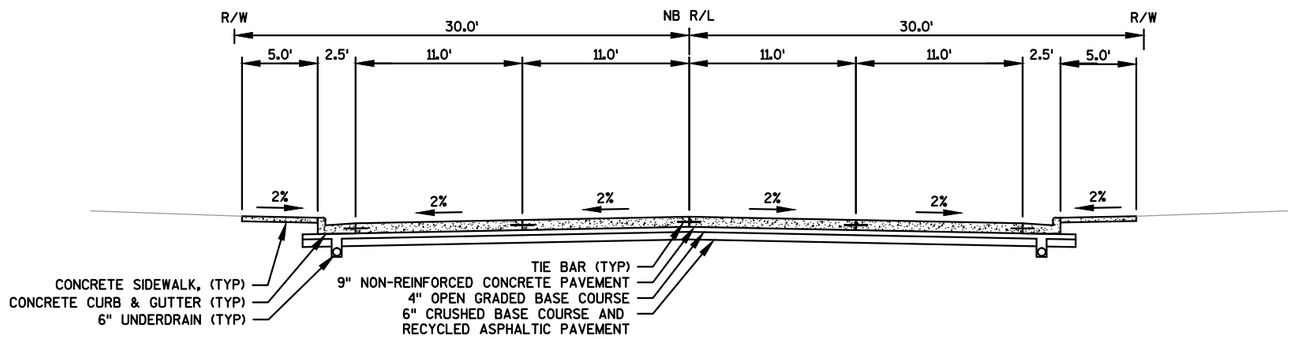
STA 218'NB'+75 TO STA 220'NB'+07



TYPICAL EXISTING SECTION FOR STH 55 (DELANGLADE ST)

LAWE ST TO BLACKWELL ST

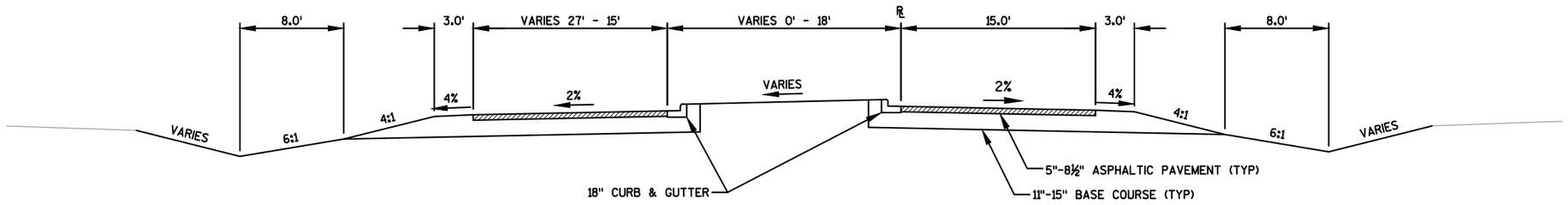
STA 209'NB'+58 TO STA 218'NB'+75



TYPICAL EXISTING SECTION FOR STH 55 (LAWE ST)

STA 207'NB'+45 TO STA 209'NB'+58

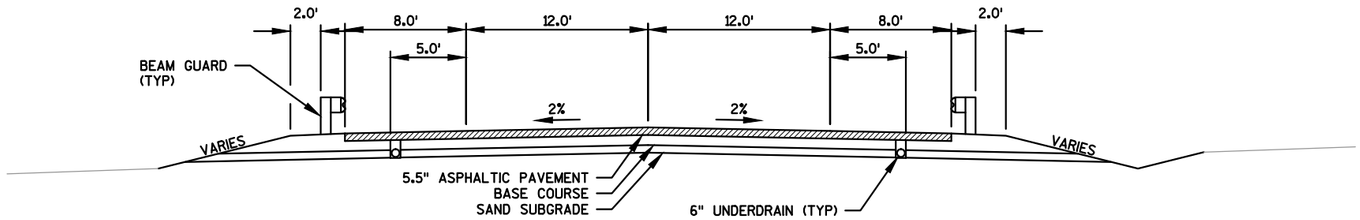
PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	TYPICAL SECTIONS	SHEET 5	E



TYPICAL EXISTING SECTION FOR STH 55 (DELANGLADE ST)

IH 41 SOUTHBOUND RAMPS TO ARBOR WAY

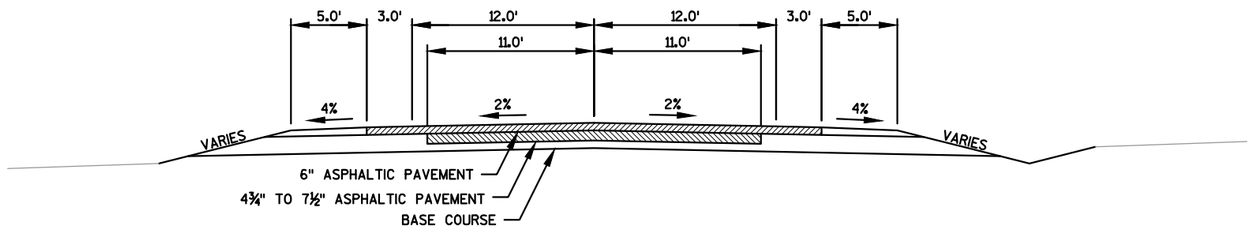
STA 260'NB'+66 TO STA 271'NB'+14



TYPICAL EXISTING SECTION FOR STH 55 (DELANGLADE ST)

IH 41 NORTHBOUND RAMPS TO IH 41 SOUTHBOUND RAMPS

STA 254'NB'+93 TO STA 260'NB'+66

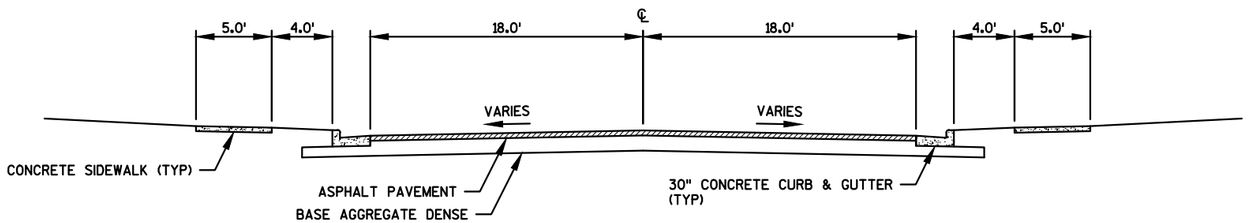


TYPICAL EXISTING SECTION FOR STH 55 (DELANGLADE ST)

WISCONSIN CENTRAL LIMITED RAILROAD TO IH 41 NORTHBOUND RAMP

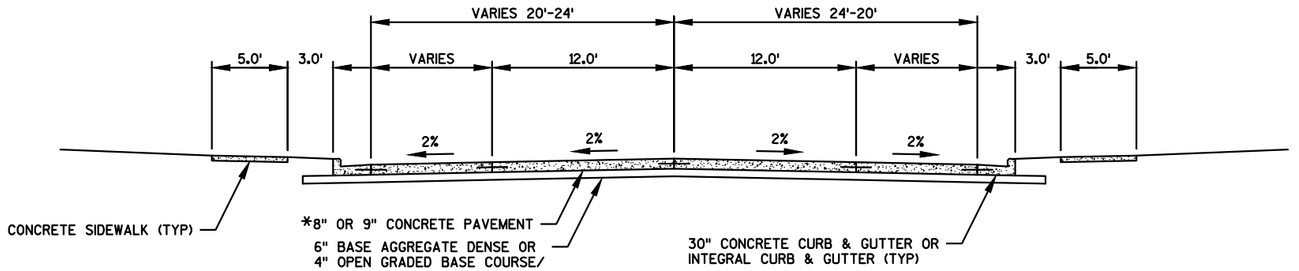
STA 220'NB'+07 TO STA 254'NB'+93

PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	TYPICAL SECTIONS	SHEET 6	E



TYPICAL EXISTING SECTION FOR CTH J (LAWE ST EAST)

DELANGLADE ST TO EAST

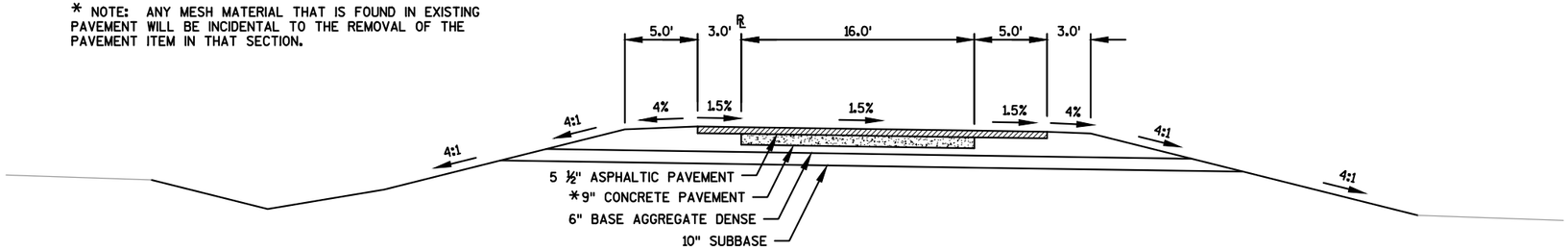


TYPICAL EXISTING SECTION FOR STH 96 (PLANK RD)

LAWE ST TO EAST

STA 309'PL'+59.14 TO STA 314'PL'+14.81

* NOTE: ANY MESH MATERIAL THAT IS FOUND IN EXISTING PAVEMENT WILL BE INCIDENTAL TO THE REMOVAL OF THE PAVEMENT ITEM IN THAT SECTION.

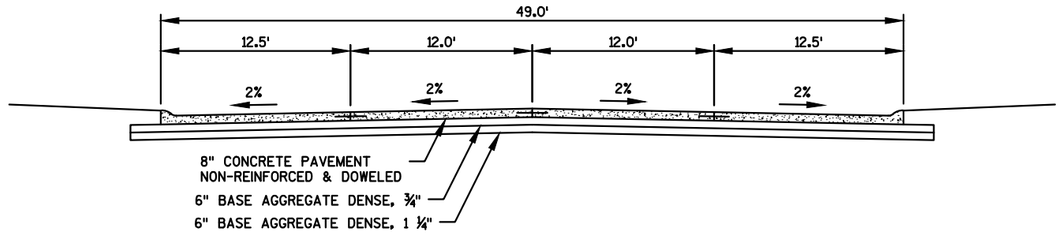


TYPICAL EXISTING SECTION FOR IH 41 RAMPS

NORTHBOUND OFF-RAMP/ON-RAMP & SOUTHBOUND ON-RAMP/OFF-RAMP

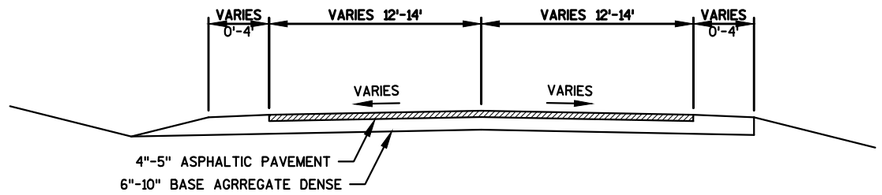
FLIP SECTION ABOUT ℄ FOR SOUTHBOUND RAMPS

PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	TYPICAL SECTIONS	SHEET 7	E



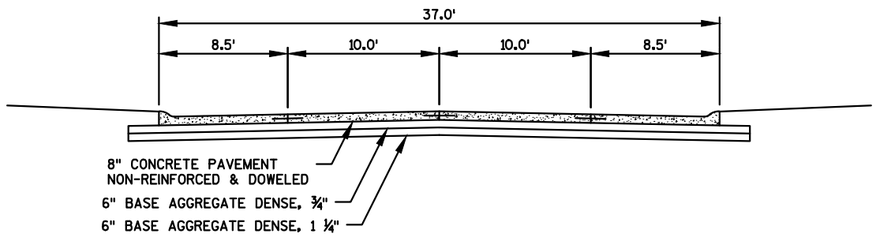
TYPICAL EXISTING SECTION FOR MALONEY ROAD

STA 35'EB'+93.90 TO STA 40'EB'+56.31



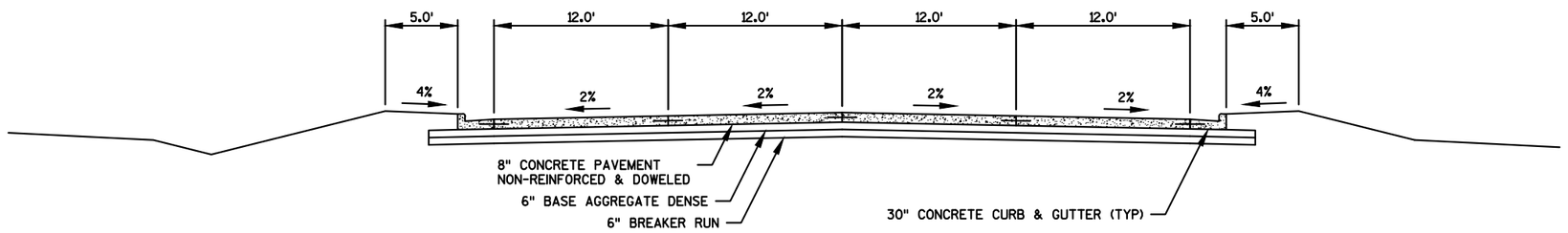
TYPICAL EXISTING SECTION FOR GERTRUDE STREET

STA 28'EB'+01.85 TO STA 34'EB'+11.95



TYPICAL EXISTING SECTION FOR BADGER ROAD

STA 50'BA'+00.00 TO STA 52'BA'+50.00

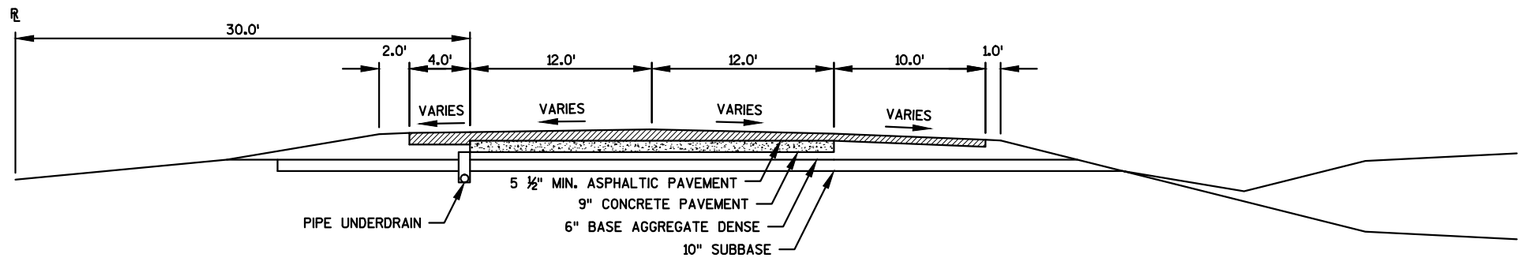


TYPICAL EXISTING SECTION FOR CTH OO (HYLAND AVE)

STA 12'EB'+66.06 TO STA 26'EB'+27.42

PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	TYPICAL SECTIONS	SHEET 8	E

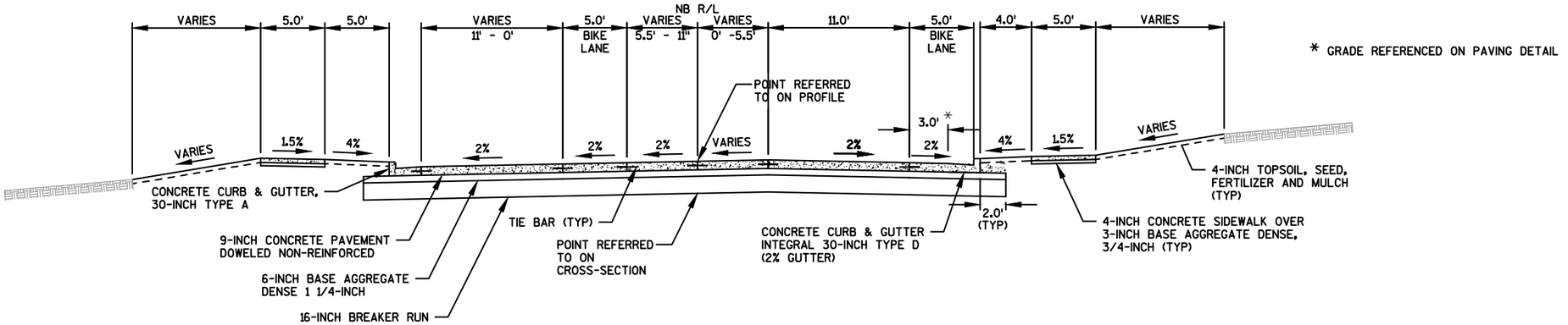
2



TYPICAL EXISTING SECTION FOR IH 41

NORTHBOUND LANES

PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	TYPICAL SECTIONS	SHEET 9	E

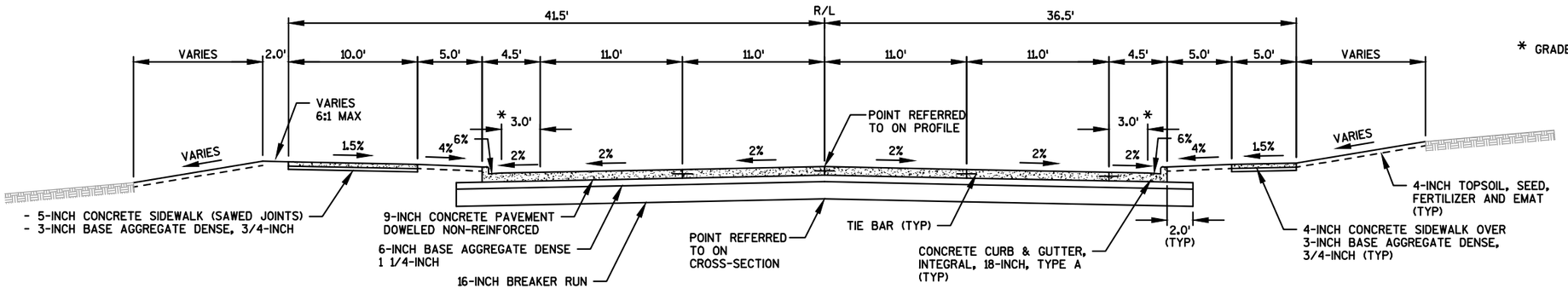


TYPICAL FINISHED SECTION FOR STH 55

LAWE ST TO OVIATT ST

STA 209'NB'+57.85 TO STA 212'NB'+65.00

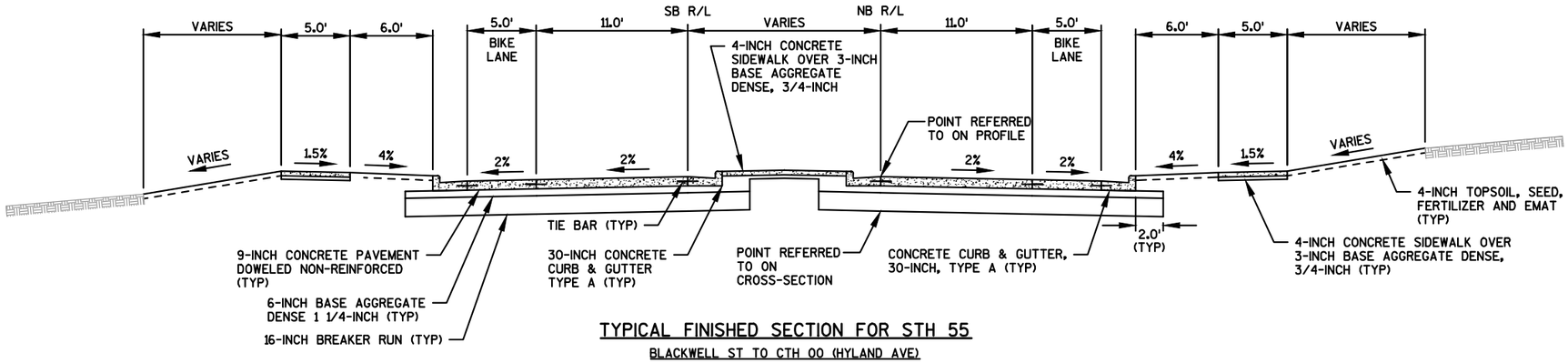
PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	TYPICAL SECTIONS	SHEET 10	E



* GRADE REFERENCED ON PAVING DETAIL

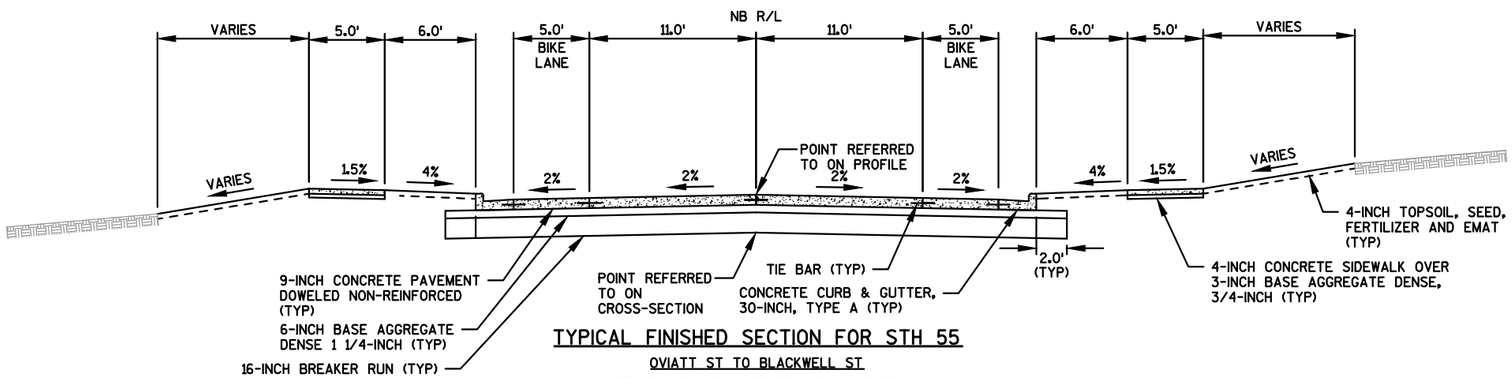
TYPICAL FINISHED SECTION FOR STH 55
CTH OO (HYLAND AVE) TO MALONEY ROAD

STA 224'NB'+02.93 TO STA 247'NB'+91.82



TYPICAL FINISHED SECTION FOR STH 55
BLACKWELL ST TO CTH OO (HYLAND AVE)

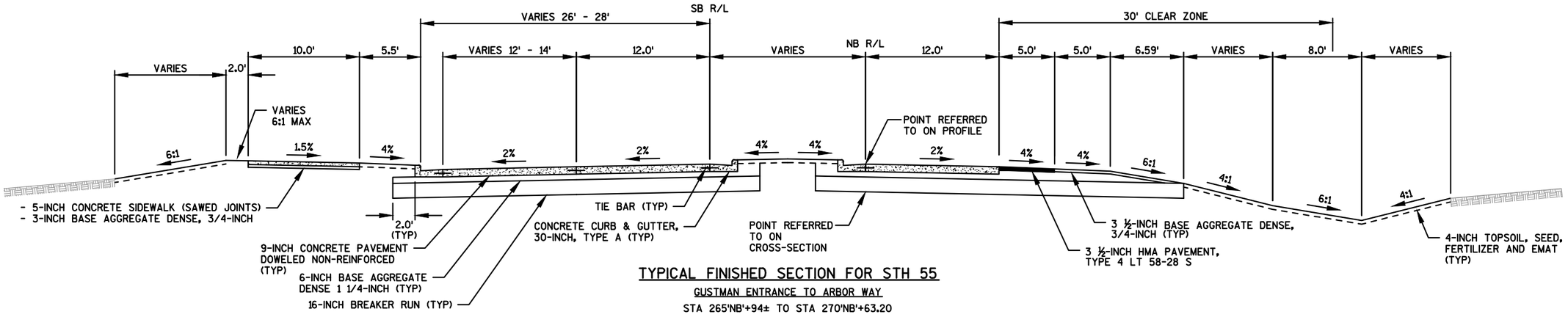
STA 218'NB'+19.72 TO STA 222'NB'+72.34



TYPICAL FINISHED SECTION FOR STH 55
OVIATT ST TO BLACKWELL ST

STA 212'NB'+65.00 TO STA 218'NB'+19.72

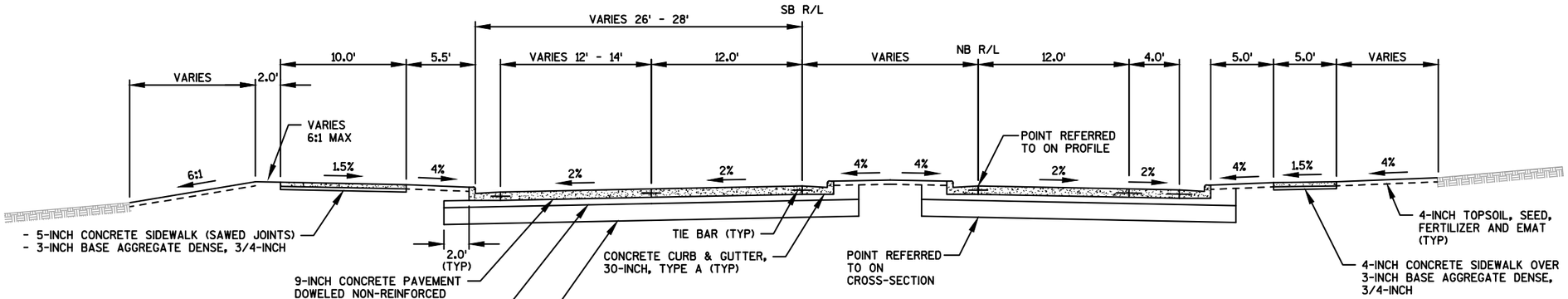
PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	TYPICAL SECTIONS	SHEET 11	E



TYPICAL FINISHED SECTION FOR STH 55

GUSTMAN ENTRANCE TO ARBOR WAY

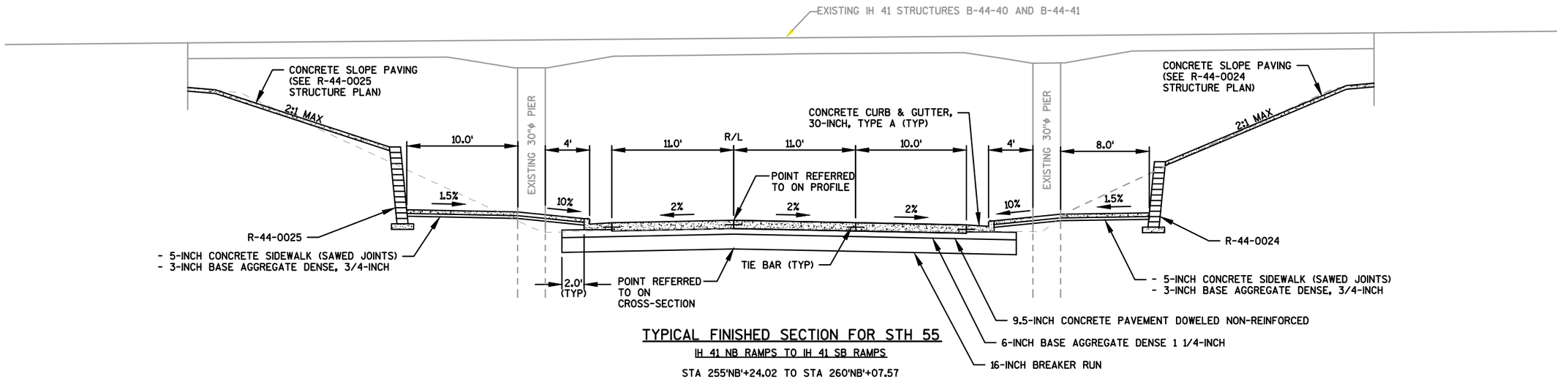
STA 265'NB'+94± TO STA 270'NB'+63.20



TYPICAL FINISHED SECTION FOR STH 55

IH 41 SOUTHBOUND RAMPS TO GUSTMAN ENTRANCE

STA 261'NB'+68.81 TO STA 265'NB'+94±

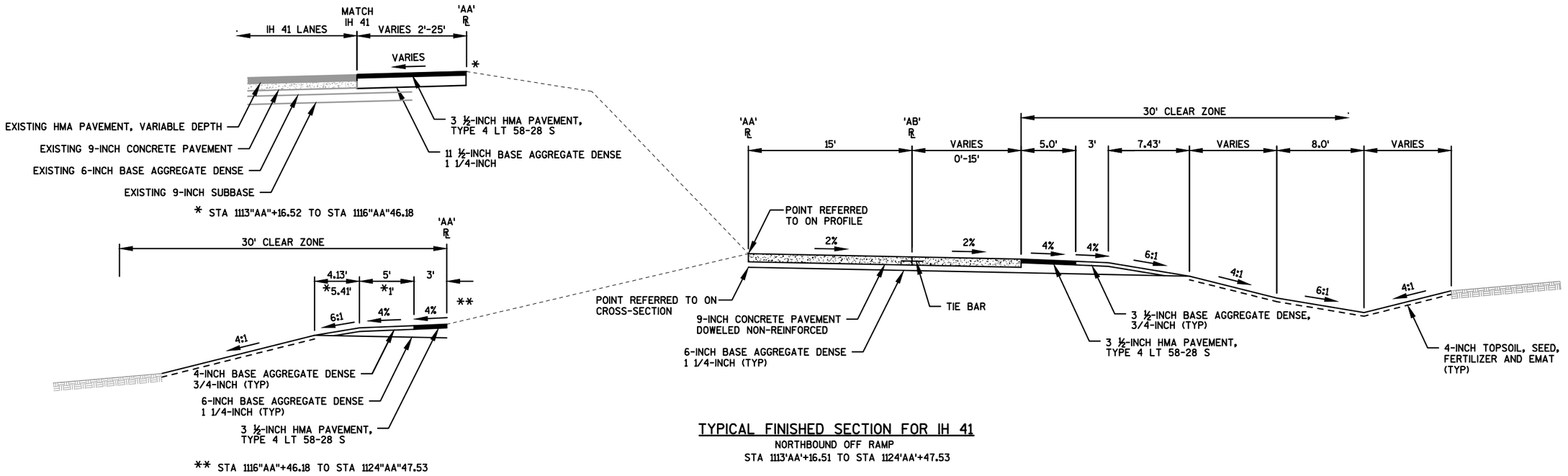


TYPICAL FINISHED SECTION FOR STH 55

IH 41 NB RAMPS TO IH 41 SB RAMPS

STA 255'NB'+24.02 TO STA 260'NB'+07.57

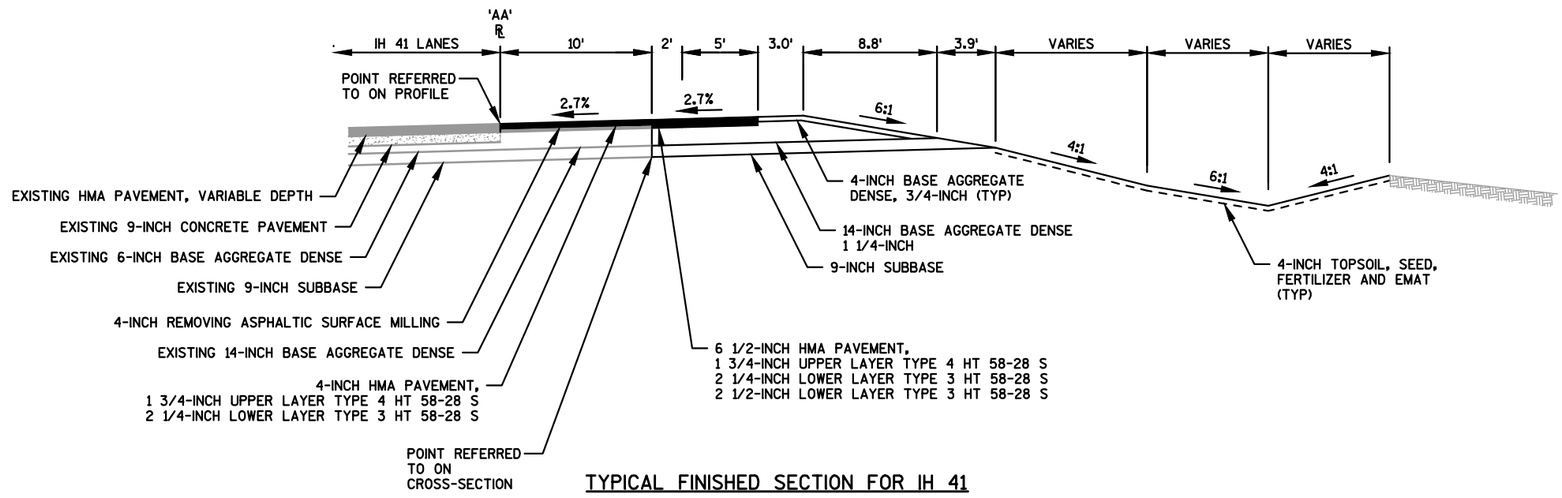
PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	TYPICAL SECTIONS	SHEET 12	E



TYPICAL FINISHED SECTION FOR IH 41

NORTHBOUND OFF RAMP

STA 1113'AA'+16.51 TO STA 1124'AA'+47.53



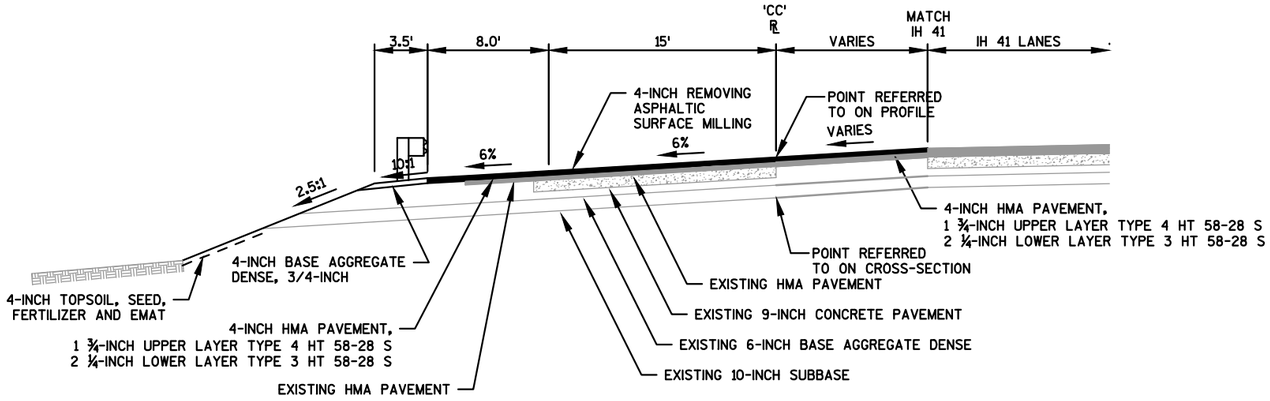
TYPICAL FINISHED SECTION FOR IH 41

NORTHBOUND OFF RAMP

STA 1104"AA"+76.79 TO STA 1113"AA"+16.52

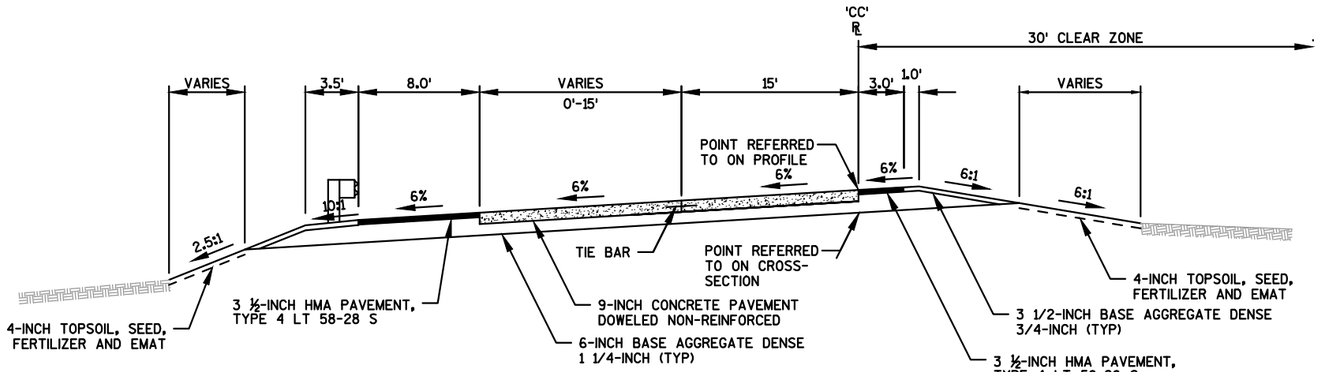
PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	TYPICAL SECTIONS	SHEET 13	E

2



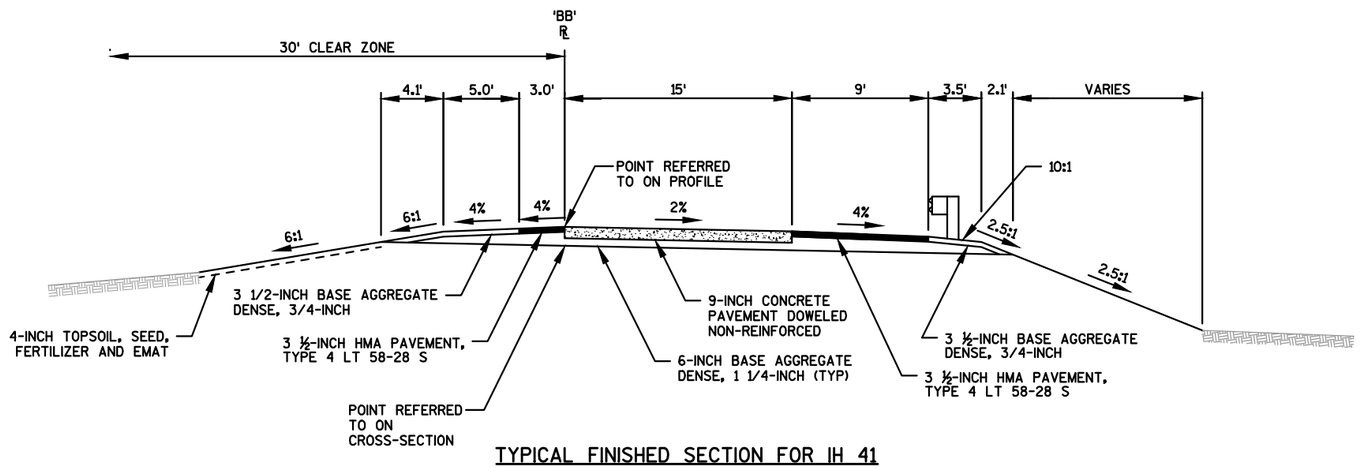
TYPICAL FINISHED SECTION FOR IH 41

SOUTHBOUND OFF RAMP
STA 1130'CC'+66.28 TO STA 1132'CC'+42.94



TYPICAL FINISHED SECTION FOR IH 41

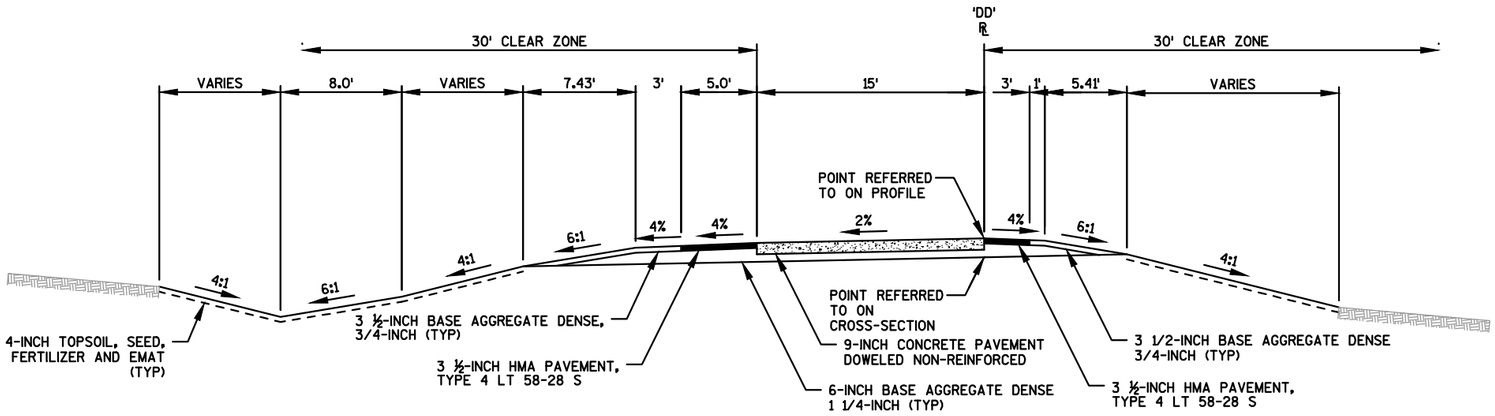
SOUTHBOUND OFF RAMP
STA 1123'CC'+86.59 TO STA 1130'CC'66.28



TYPICAL FINISHED SECTION FOR IH 41

NORTHBOUND ON RAMP
STA 1200'BB'+10.36 TO STA 1204'BB'+37.64

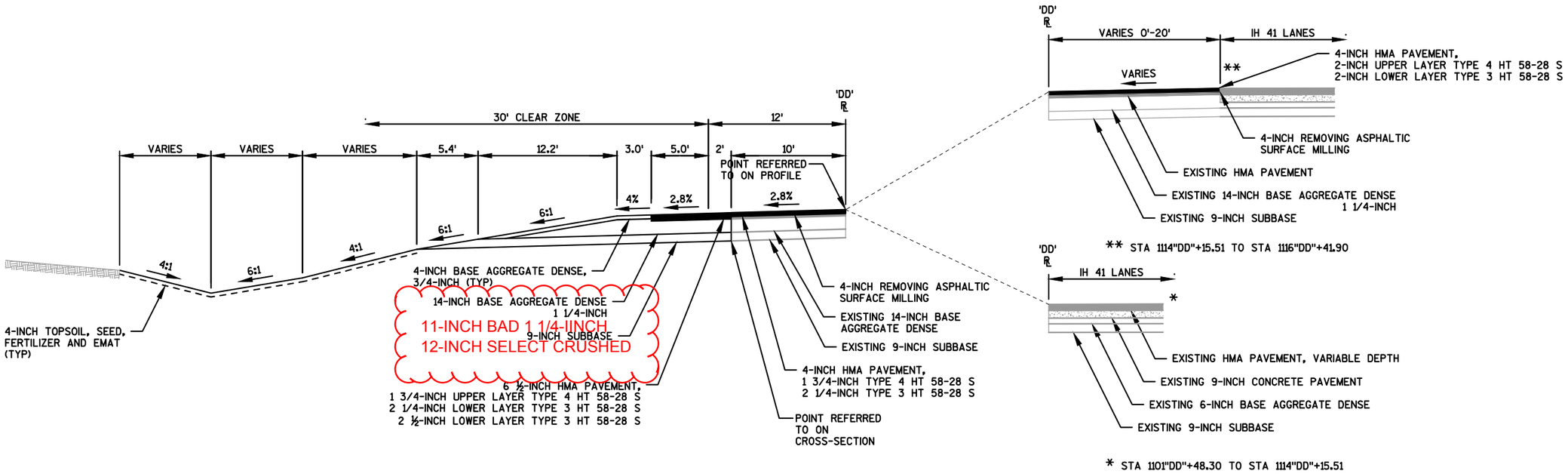
PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	TYPICAL SECTIONS	SHEET 14	E



TYPICAL FINISHED SECTION FOR IH 41

SOUTHBOUND ON RAMP

STA 1116'DD'+41.90 TO STA 1121'DD'+43.72

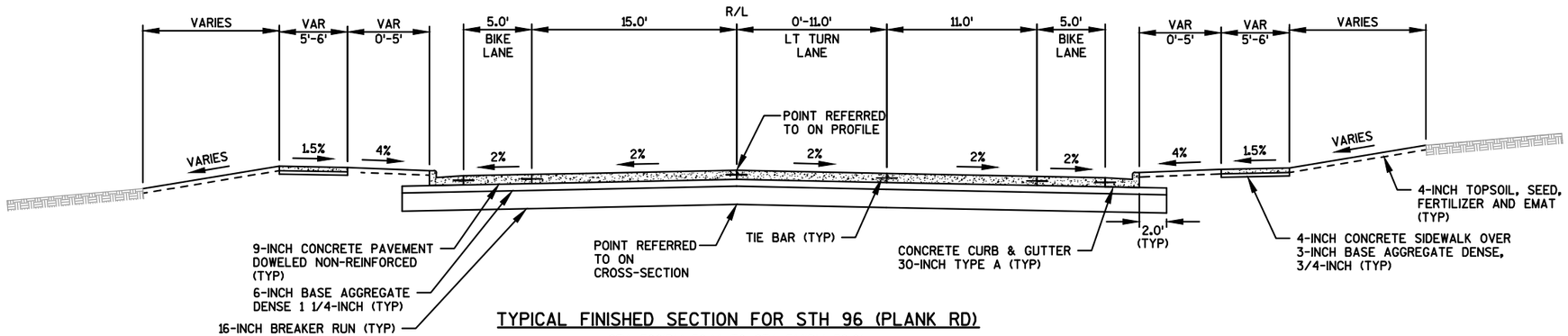


TYPICAL FINISHED SECTION FOR IH 41

SOUTHTHBOUND ON RAMP

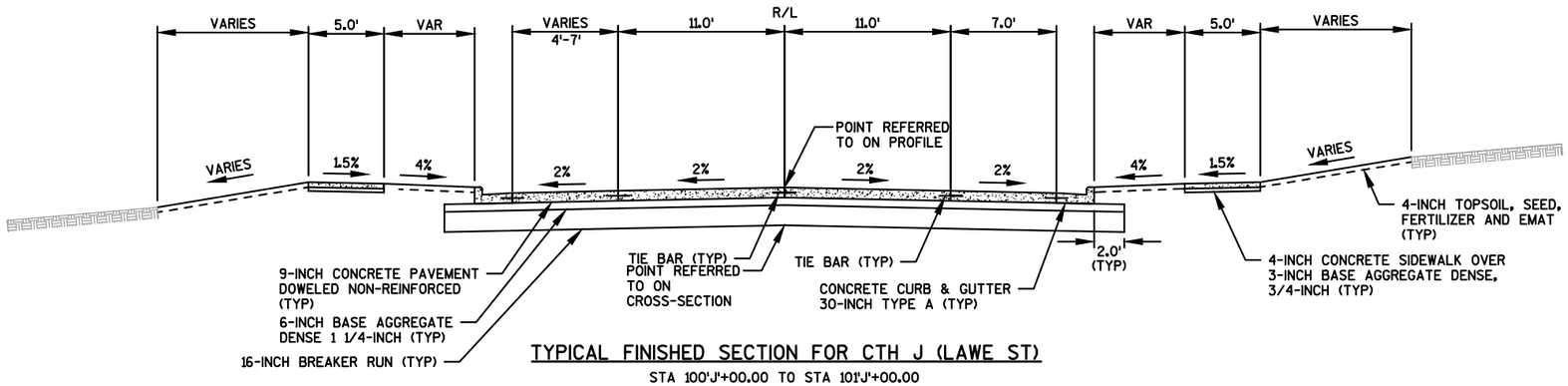
STA 1101"DD"+48.30 TO STA 1116"DD"+41.90

PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	TYPICAL SECTIONS	SHEET 15	E



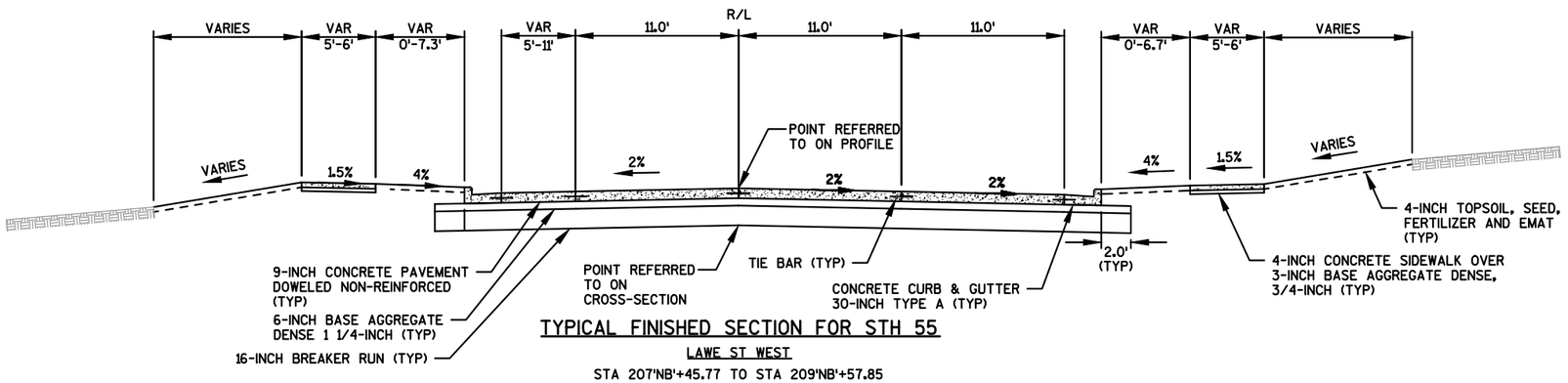
TYPICAL FINISHED SECTION FOR STH 96 (PLANK RD)

STA 309'PL'+59.14 TO STA 314'PL'+39.81



TYPICAL FINISHED SECTION FOR CTH J (LAWE ST)

STA 100'J'+00.00 TO STA 101'J'+00.00

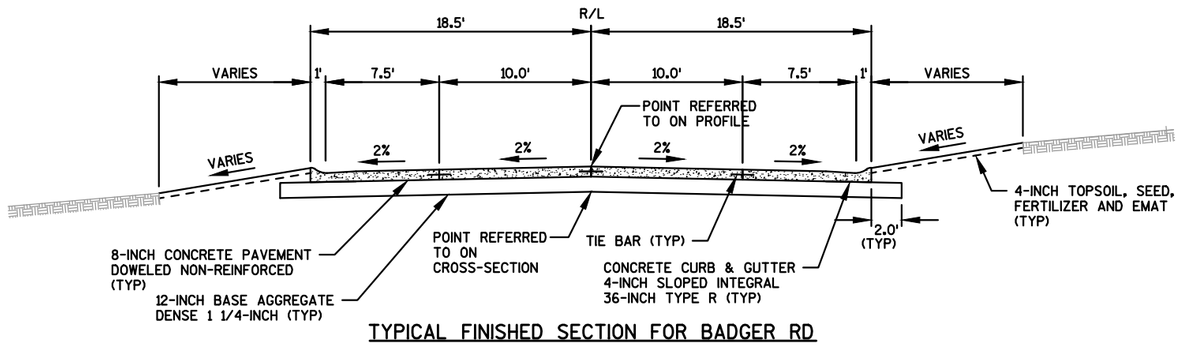


TYPICAL FINISHED SECTION FOR STH 55

LAWE ST WEST

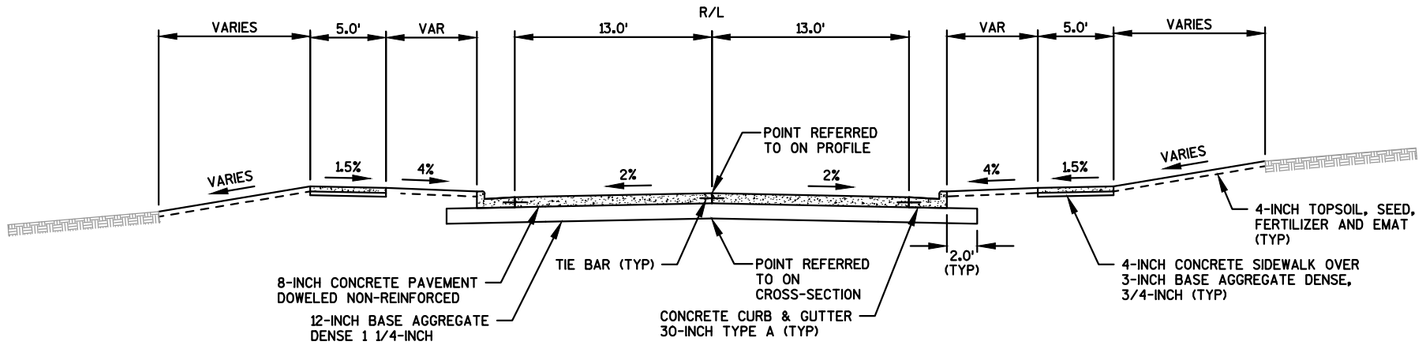
STA 207'NB'+45.77 TO STA 209'NB'+57.85

PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	TYPICAL SECTIONS	SHEET 16	E



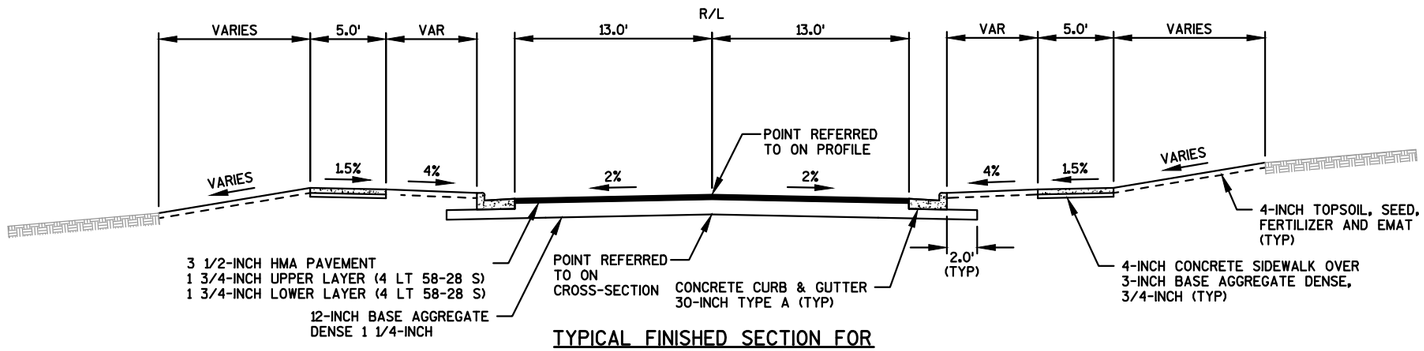
TYPICAL FINISHED SECTION FOR BADGER RD

STA 50'BA'+00.00 TO STA 52'BA'+50.00



TYPICAL FINISHED SECTION FOR DESNOYER ST EAST

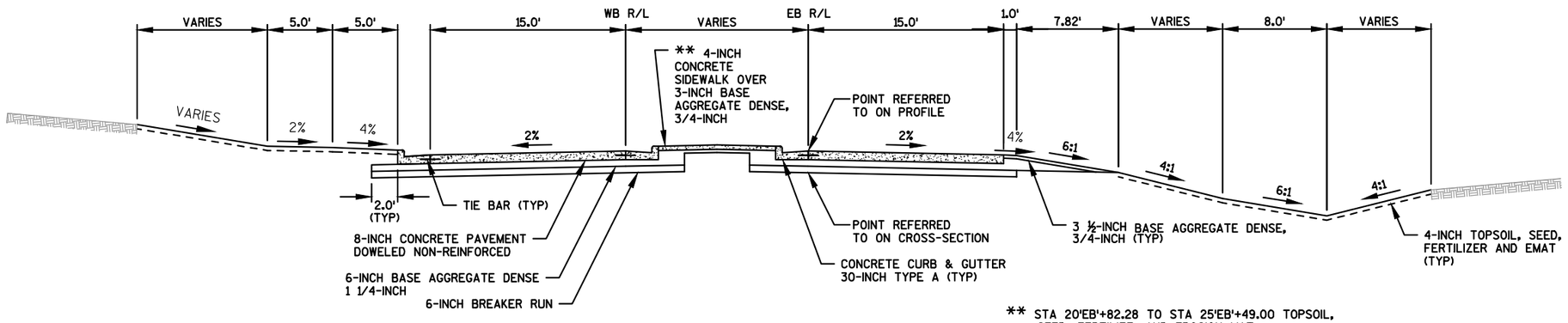
STA 21'DE'+00.00 TO STA 22'DE'+00.00



TYPICAL FINISHED SECTION FOR OVIATT ST WEST

STA 9'OV'+00.00 TO STA 90'OV'+53.00

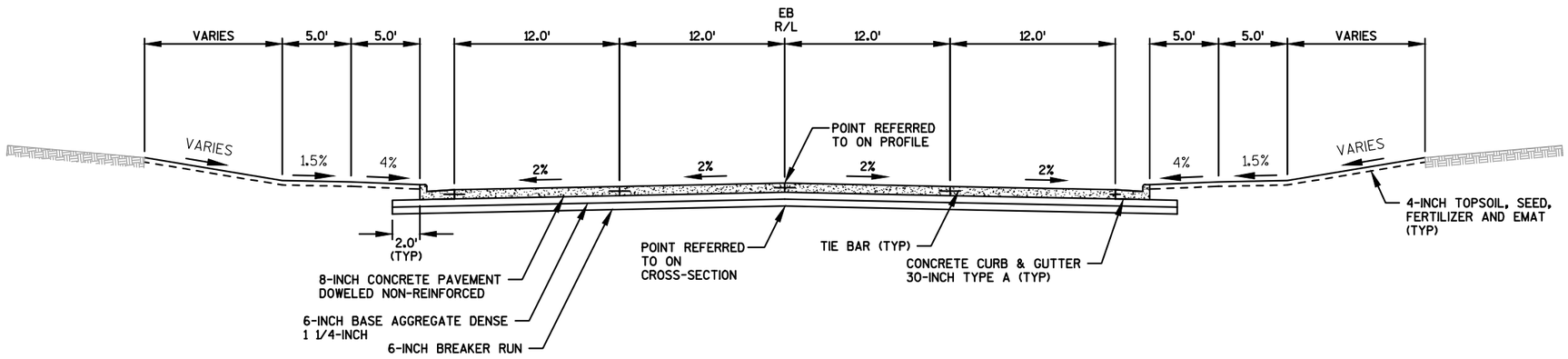
2



** STA 20'EB'+82.28 TO STA 25'EB'+49.00 TOPSOIL, SEED, FERTILIZE, AND EROSION MAT

TYPICAL FINISHED SECTION FOR CTH OO EAST

STA 19'EB'+79.89 TO STA 26'EB'+27.42

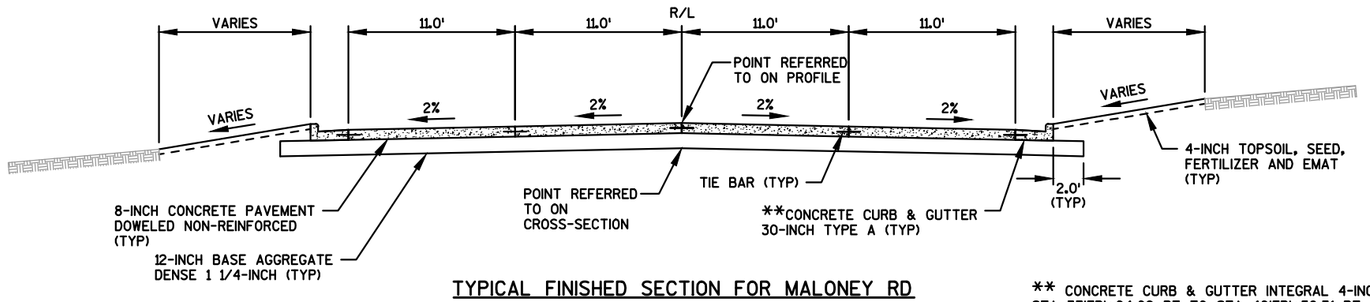


TYPICAL FINISHED SECTION FOR CTH OO WEST

STA 12'EB'+66.06 TO STA 18'EB'+46.31

PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	TYPICAL SECTIONS	SHEET 18	E

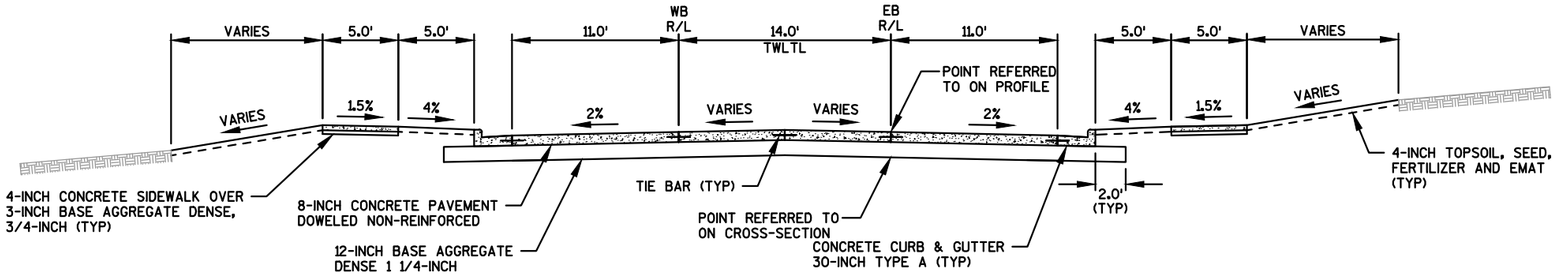
2



TYPICAL FINISHED SECTION FOR MALONEY RD

STA 35'EB'+93.90 TO STA 40'EB'+56.31

** CONCRETE CURB & GUTTER INTEGRAL 4-INCH SLOPED 36-INCH TYPE R
STA 37'EB'+04.09 RT TO STA 40'EB'+56.31 RT
STA 39'EB'+12.80 LT TO STA 40'EB'+56.31 LT

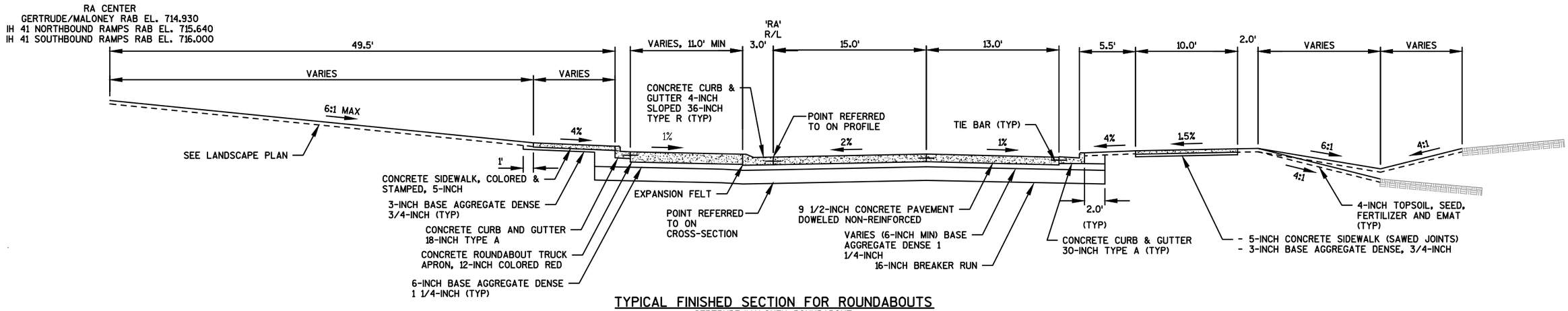


TYPICAL FINISHED SECTION FOR GERTRUDE ST

STA 28'EB'+01.85 TO STA 34'EB'+11.95

PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	TYPICAL SECTIONS	SHEET 19	E

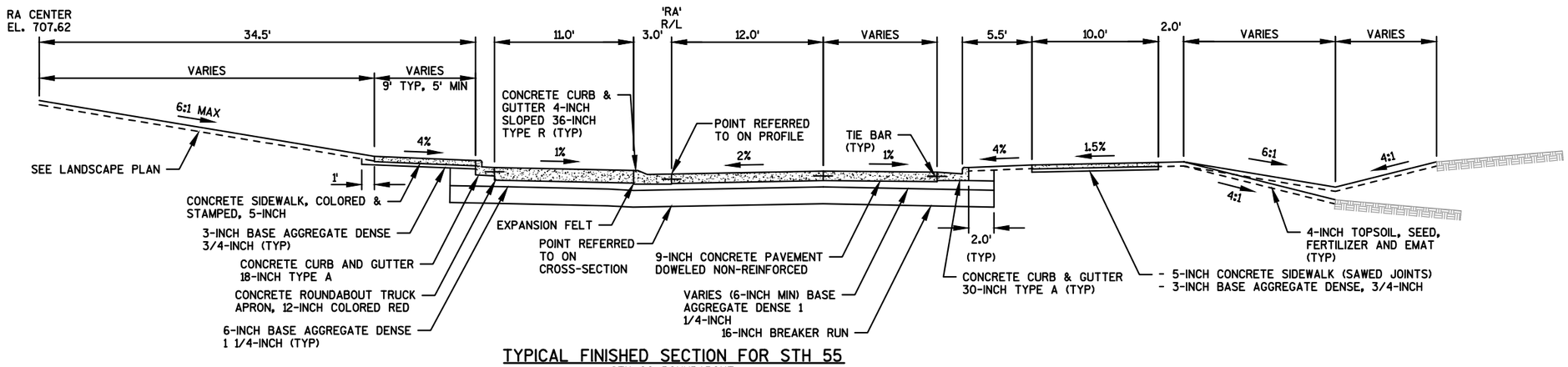
2



TYPICAL FINISHED SECTION FOR ROUNDABOUTS

GERTRUDE/MALONEY ROUNDABOUT
IH 41 NORTHBOUND RAMPS ROUNDABOUT
IH 41 SOUTHBOUND RAMPS ROUNDABOUT

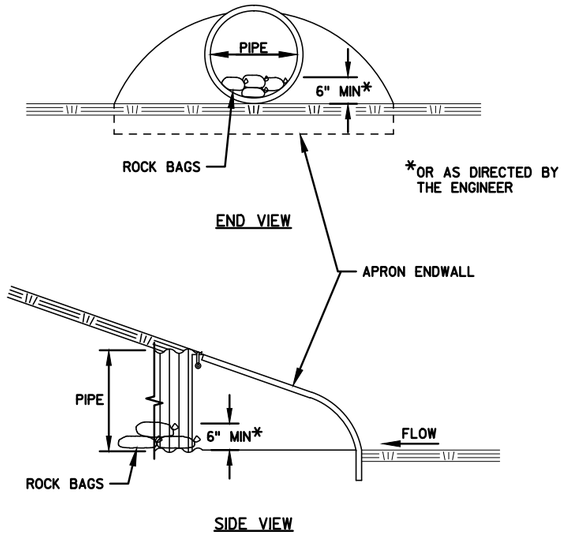
STA 70'RA2'+00.00 TO STA 74'RA2'+08.41
STA 80'RA3'+00.00 TO STA 84'RA3'+08.41
STA 90'RA4'+00.00 TO STA 94'RA4'+39.82



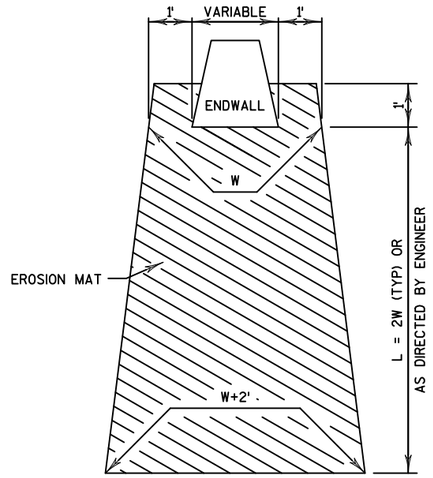
TYPICAL FINISHED SECTION FOR STH 55

CTH 00 ROUNDABOUT

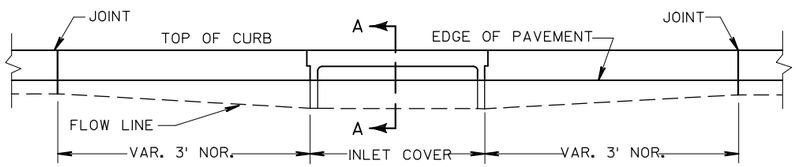
STA 60'RA1'+00.00 TO STA 63'RA1'+14.16



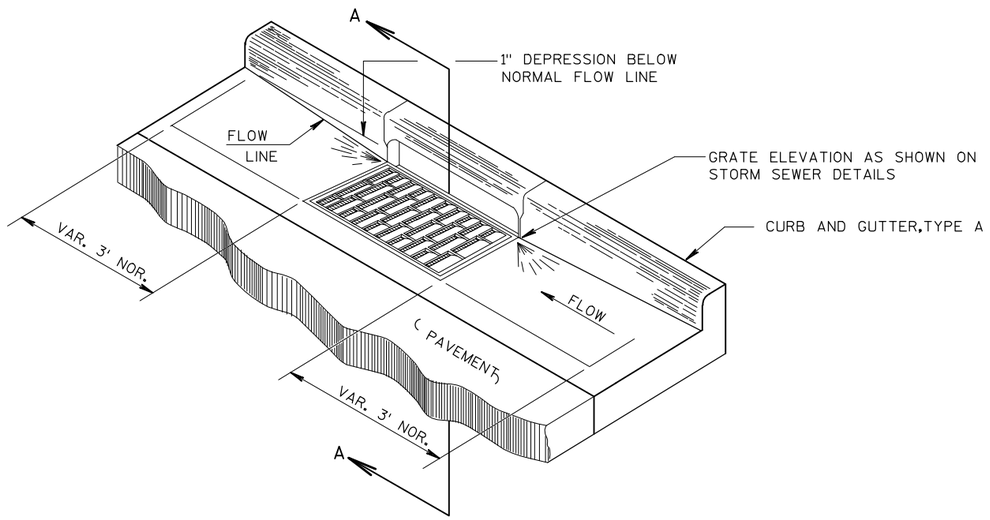
CULVERT PIPE CHECKS

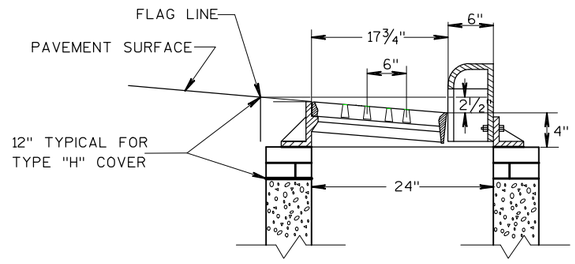


EROSION MAT TREATMENT AT CULVERTS



ELEVATION

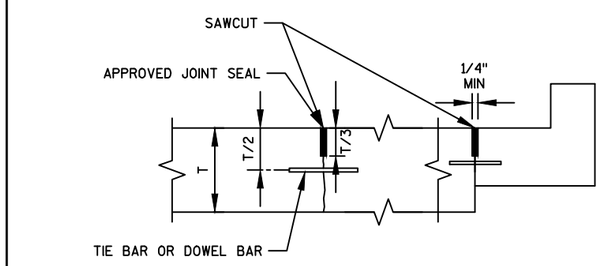




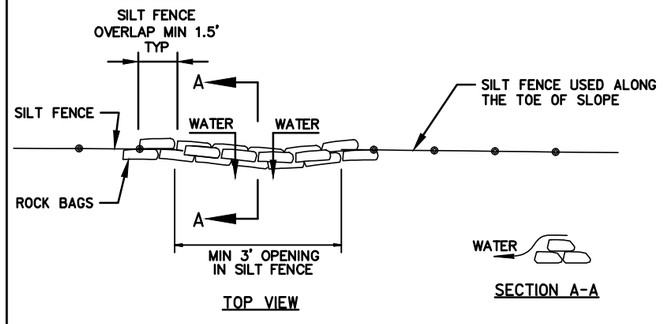
SECTION A-A

DETAIL OF CURB AND GUTTER AT INLETS

(TYPE 3-H INLET SHOWN)

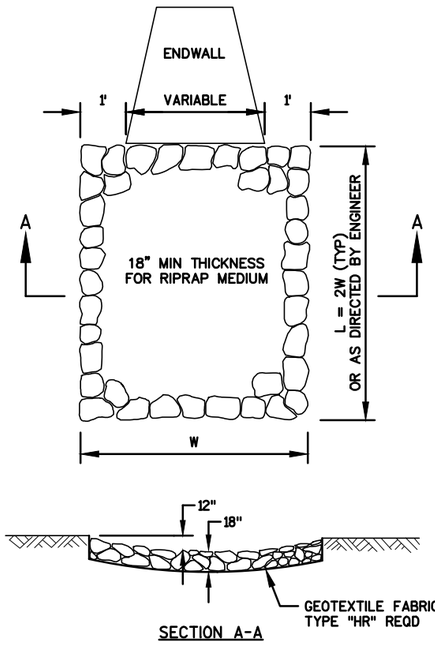


CONCRETE JOINT SEALING



ROCK BAGS USED FOR SILT FENCE RELIEF DETAIL

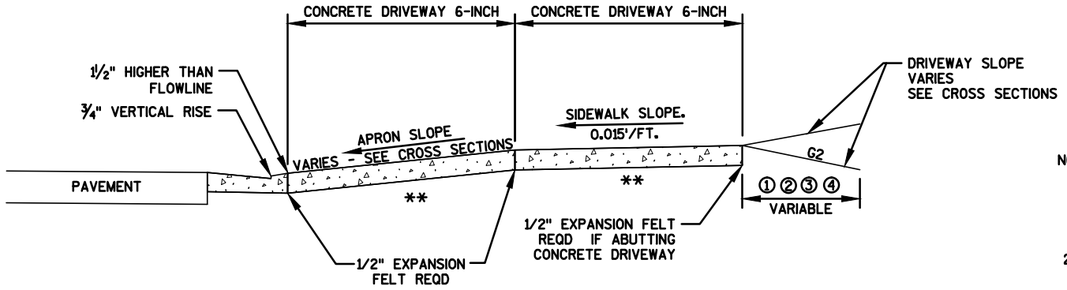
PAID AS ROCK BAGS



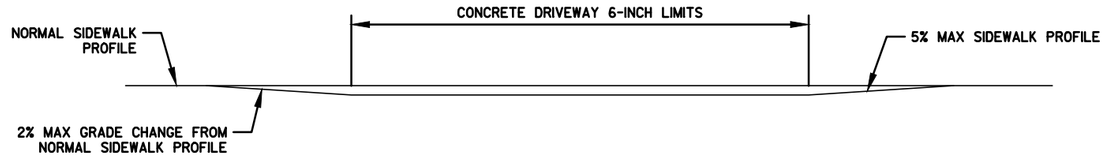
RIPRAP MEDIUM TREATMENT AT CULVERTS

PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	CONSTRUCTION DETAILS	SHEET 21	E

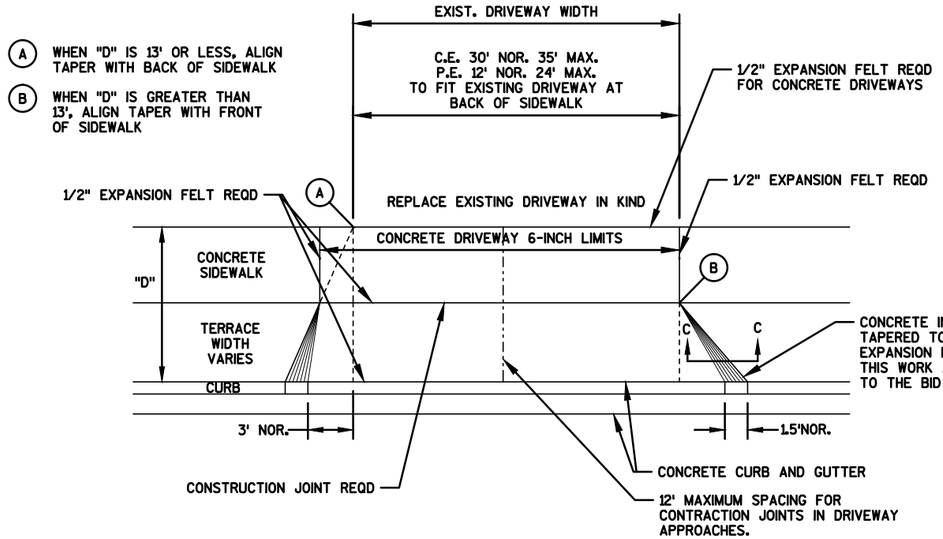
2



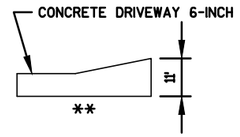
TYPICAL SIDEWALK SECTION



DEPRESSED SIDEWALK PROFILE DETAIL



PLAN VIEW



SECTION C-C

① 6" CONCRETE DRIVEWAY OR H.E.S. CONCRETE DRIVEWAY

② 6" BASE AGG. DENSE 1 1/4-INCH

③ RESIDENTAIL - 4" BASE AGG. DENSE 1 1/4-INCH BASE WITH MINIMUM 2" ASPHALTIC SURFACE (OR MATCH EXISTING)

④ COMMERCIAL - MINIMUM 9" BASE AGG. DENSE 1 1/4-INCH BASE WITH MINIMUM 3" ASPHALTIC SURFACE (OR MATCH EXISTING)

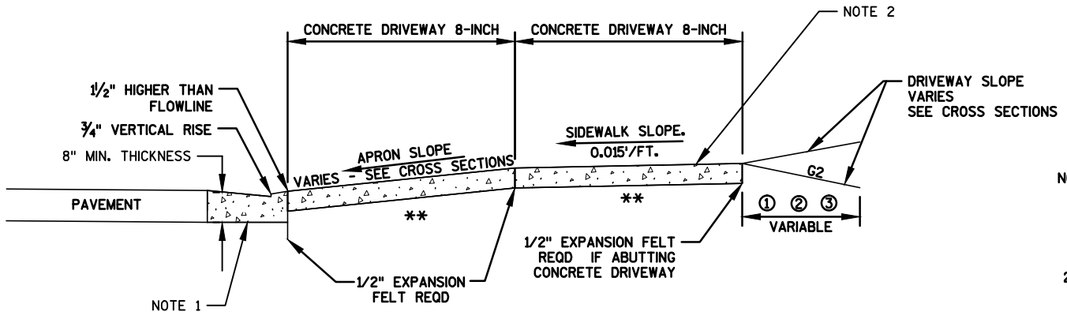
** 6" BASE AGG. DENSE 1 1/4-INCH REQD UNDER CONCRETE DRWY

NOTES:

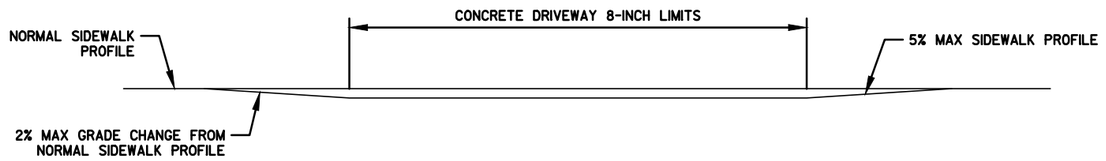
1. ALGEBRAIC DIFFERENCE BETWEEN TANGENT GRADES G1 & G2 TO NOT EXCEED 15%

URBAN DRIVEWAY WITH SIDEWALK DETAIL STANDARD

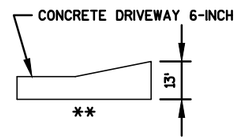
2



TYPICAL SIDEWALK SECTION



DEPRESSED SIDEWALK PROFILE DETAIL



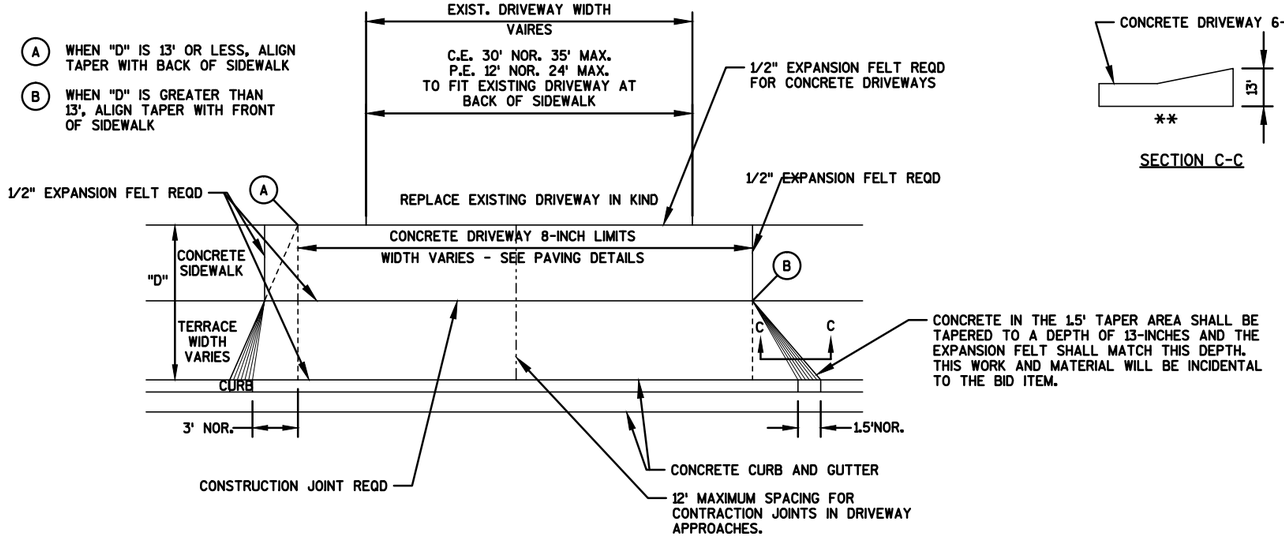
SECTION C-C

① 8" CONCRETE DRIVEWAY OR H.E.S. CONCRETE DRIVEWAY OR SHES DRIVEWAY

② 6" BASE AGG. DENSE 1 1/4-INCH

③ MINIMUM 12" BASE AGG. DENSE 1 1/4-INCH BASE WITH MINIMUM 4" ASPHALTIC SURFACE (OR MATCH EXISTING)

** 6" BASE AGG. DENSE 1 1/4-INCH REQD UNDER CONCRETE DRWY



Ⓐ WHEN "D" IS 13' OR LESS, ALIGN TAPER WITH BACK OF SIDEWALK

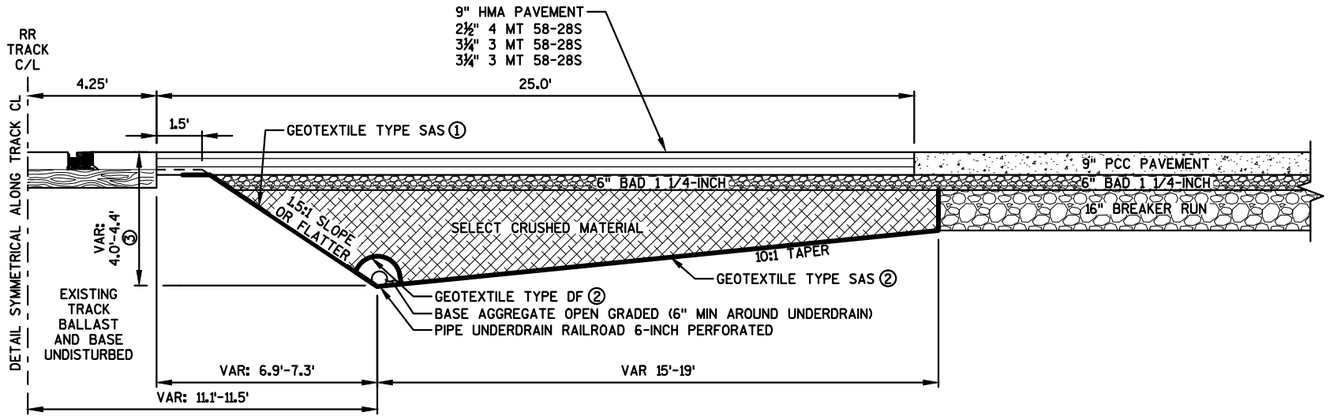
Ⓑ WHEN "D" IS GREATER THAN 13', ALIGN TAPER WITH FRONT OF SIDEWALK

PLAN VIEW

NOTES:

1. TYPE OF CURB & GUTTER (MODIFIED) IN ACCORDANCE WITH PAVING DETAILS. MINIMUM 8" GUTTER THICKNESS FOR DRIVES WITH HEAVY TRUCK TRAFFIC.
2. SOME SIDEWALK SECTIONS THRU DRIVEWAYS SLOPE AWAY FROM ROADWAY.

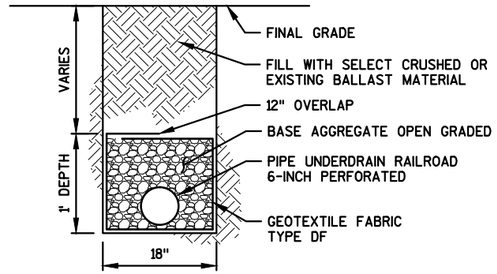
URBAN DRIVEWAY WITH SIDEWALK DETAIL
INDUSTRIAL/HEAVY TRUCK TRAFFIC



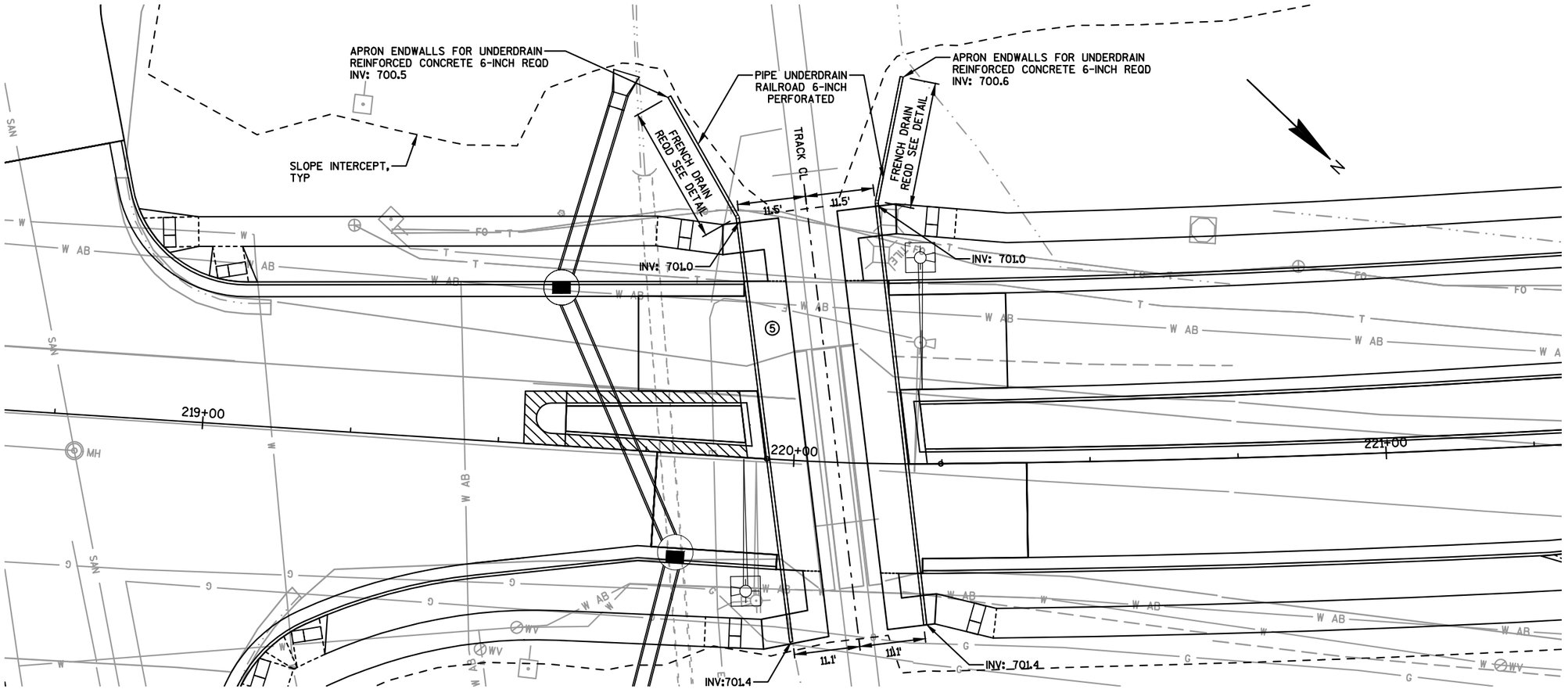
DELANGLADE ST RR CROSSING APPROACH UNDERCUT 1/2 SECTION

NOTES:

1. GEOTEXTILE TYPE SAS PLACED IN ORDER TO PROVIDE SEPARATION BETWEEN ROADWAY BASE COURSE AND TRACK BALLAST.
2. GEOTEXTILE TYPE SAS PLACED TO PROVIDE SEPARATION UNDER THE UNDERDRAIN. GEOTEXTILE TYPE DF AND BASE AGGREGATE OPEN GRADED PLACED TO PROVIDE 6 INCHES OF SEPARATION BETWEEN TOP OF UNDERDRAIN AND SELECT CRUSHED MATERIAL.
3. ADJUST DEPTH TO OBTAIN A MINIMUM OF 0.5% SLOPE ALONG UNDERDRAIN.

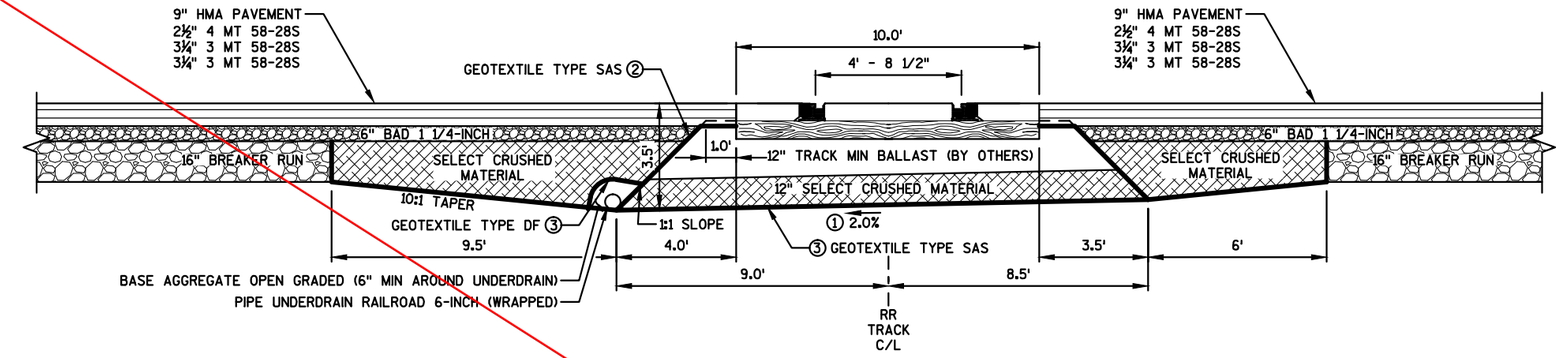


FRENCH DRAIN
UNDERDRAIN OUTLET DETAIL



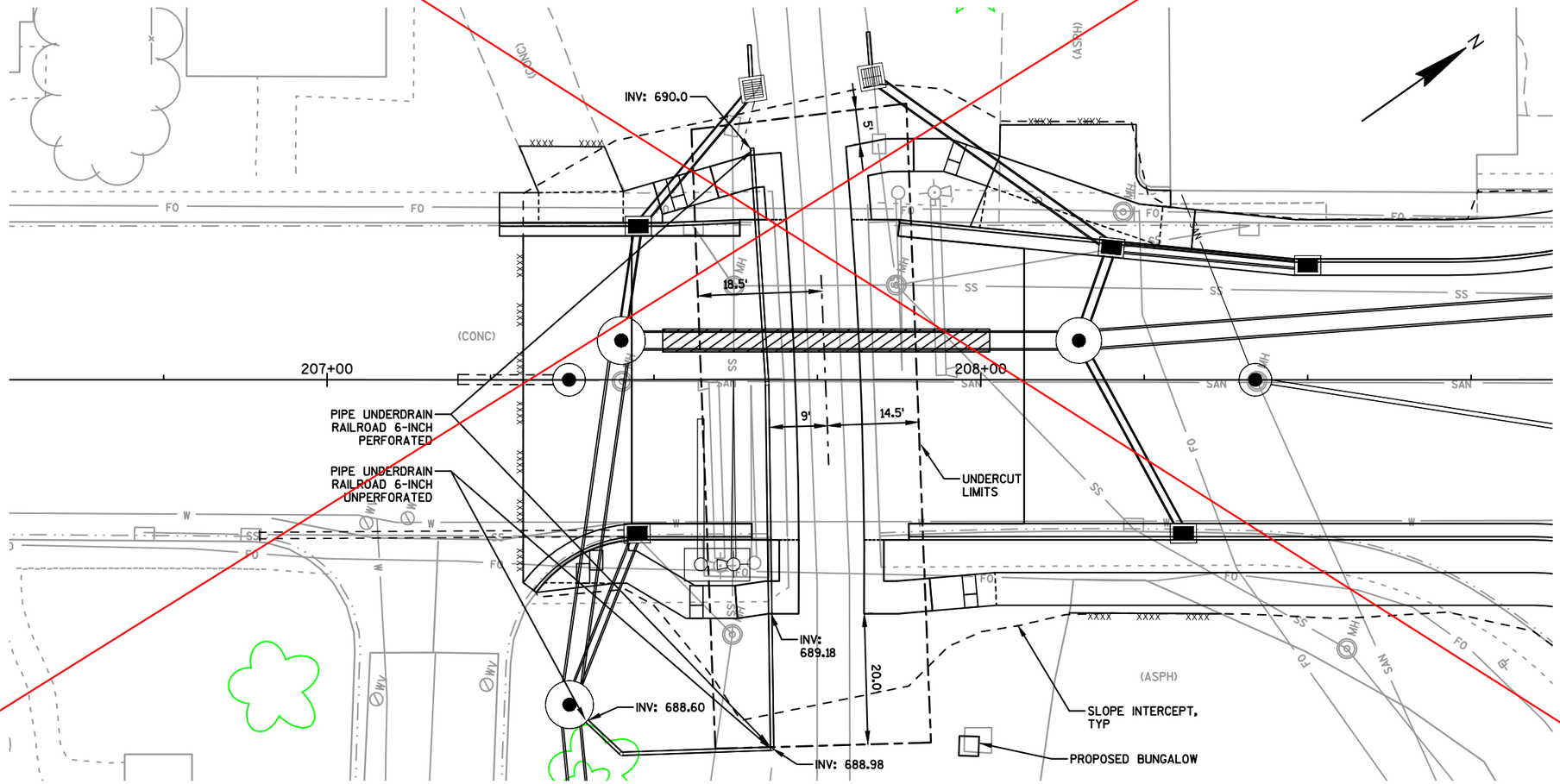
DELANGLADE ST RR CROSSING APPROACH UNDERCUT PLAN

PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	CONSTRUCTION DETAIL	SHEET 24	E

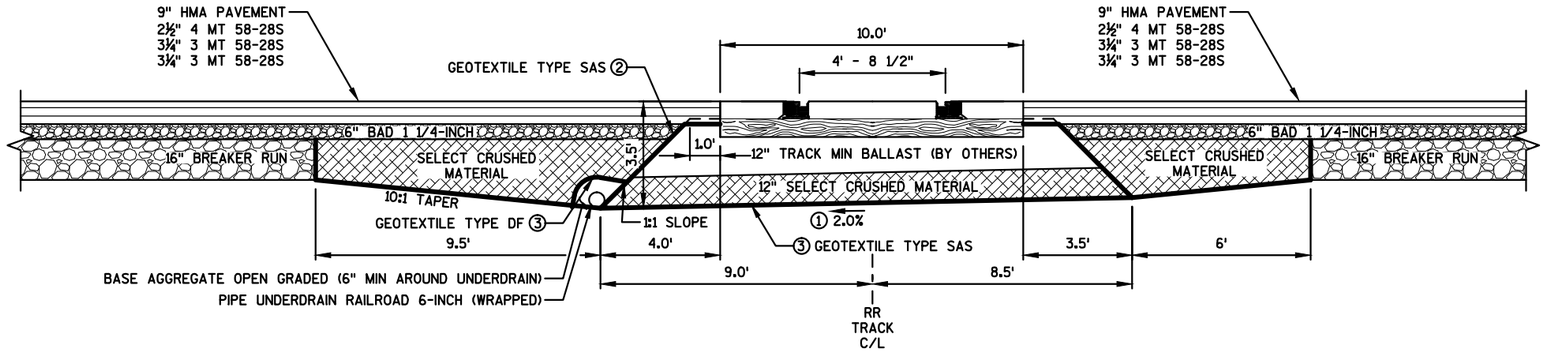


1. 2% CROSS SLOPE REQUIRED ON THE SELECT CRUSHED MATERIAL. SLOPE IS CONTINUOUS AND DOES NOT CROWN AT THE TRACK CENTERLINE.
2. GEOTEXTILE TYPE SAS PLACED IN ORDER TO PROVIDE SEPARATION BETWEEN ROADWAY BASE COURSE AND TRACK BALLAST.
3. GEOTEXTILE TYPE SAS PLACED TO PROVIDE SEPARATION UNDER THE UNDERDRAIN. GEOTEXTILE TYPE DF AND BASE AGGREGATE OPEN GRADED PLACED TO PROVIDE 6 INCHES OF SEPARATION BETWEEN TOP OF UNDERDRAIN AND SELECT CRUSHED MATERIAL.

DELANGLADE ST RR CROSSING APPROACH UNDERCUT SECTION



LAWE ST RR CROSSING APPROACH UNDERCUT PLAN



1. 2% CROSS SLOPE REQUIRED ON THE SELECT CRUSHED MATERIAL. SLOPE IS CONTINUOUS AND DOES NOT CROWN AT THE TRACK CENTERLINE.
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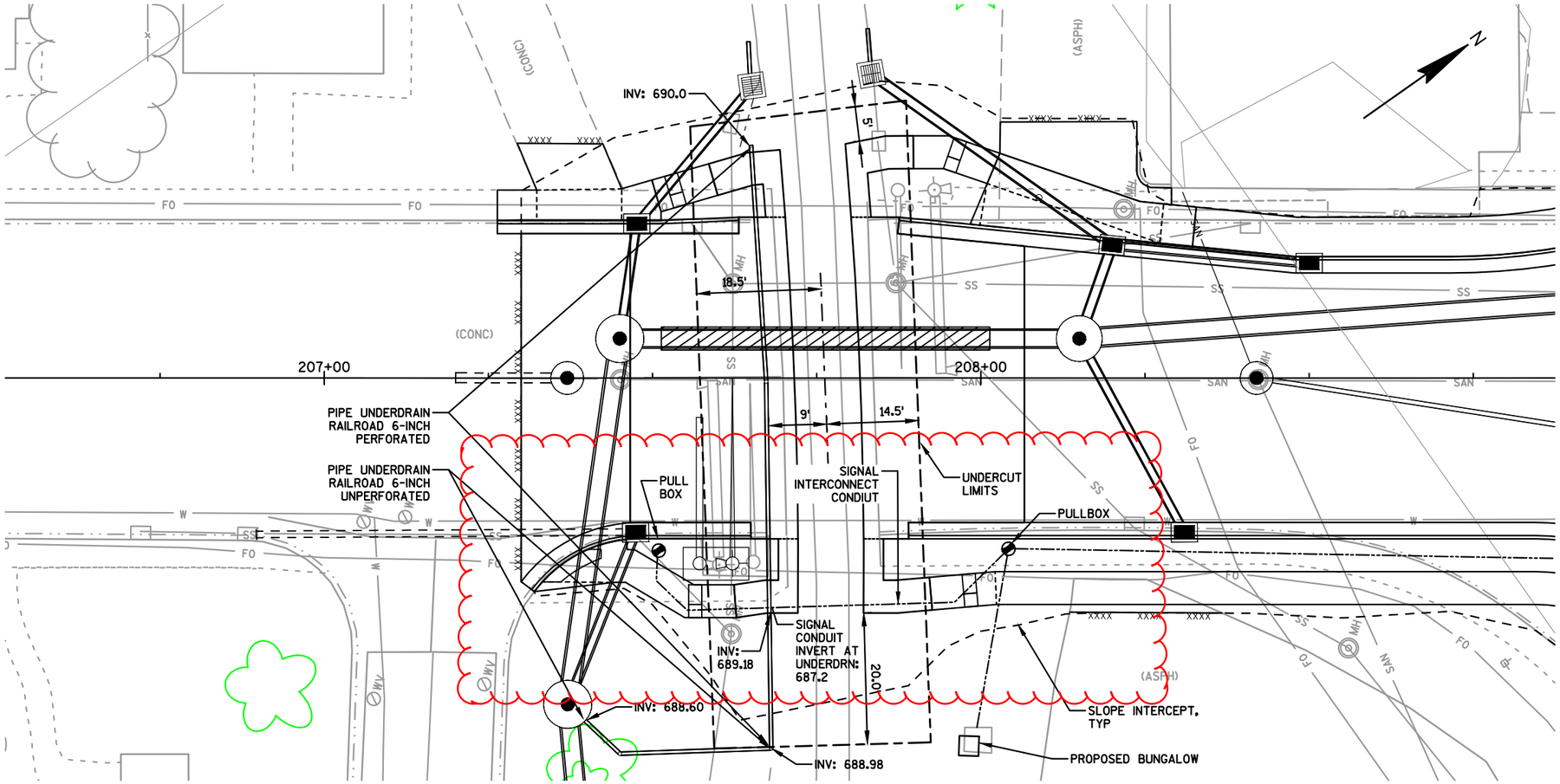
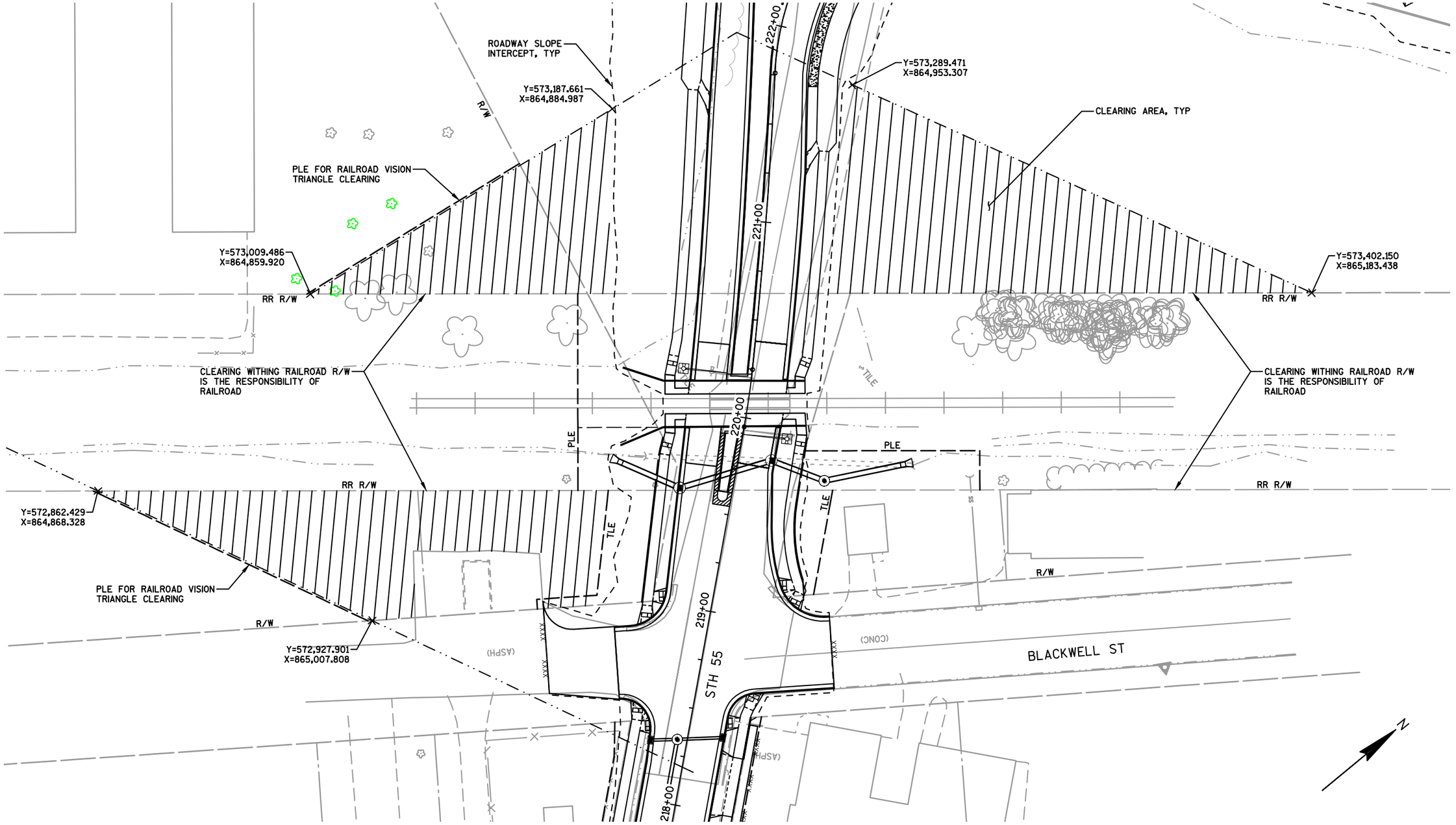
LAWE ST RR CROSSING APPROACH UNDERCUT SECTION



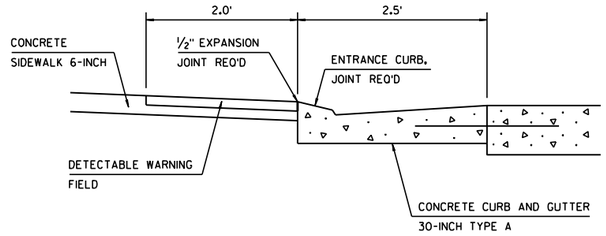
LAWE ST RR CROSSING APPROACH UNDERCUT PLAN

PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	CONSTRUCTION DETAIL	REVISED SHEET 25	E

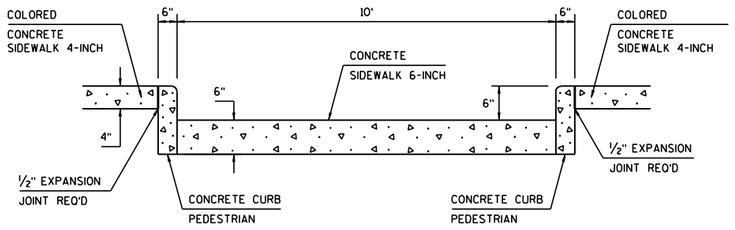
2



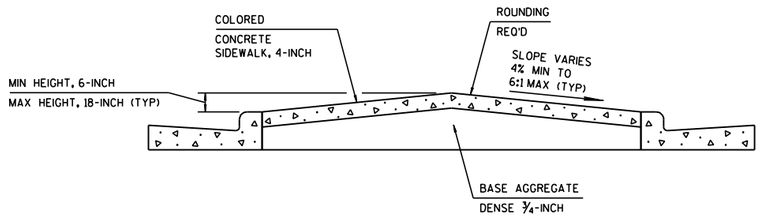
PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	RAILROAD VISION TRIANGLE CLEARING	SHEET 26	E



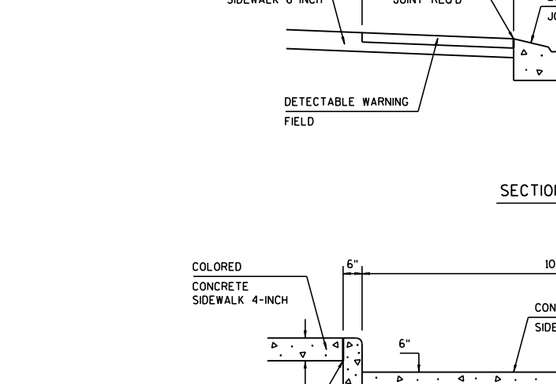
SECTION A-A



SECTION B-B

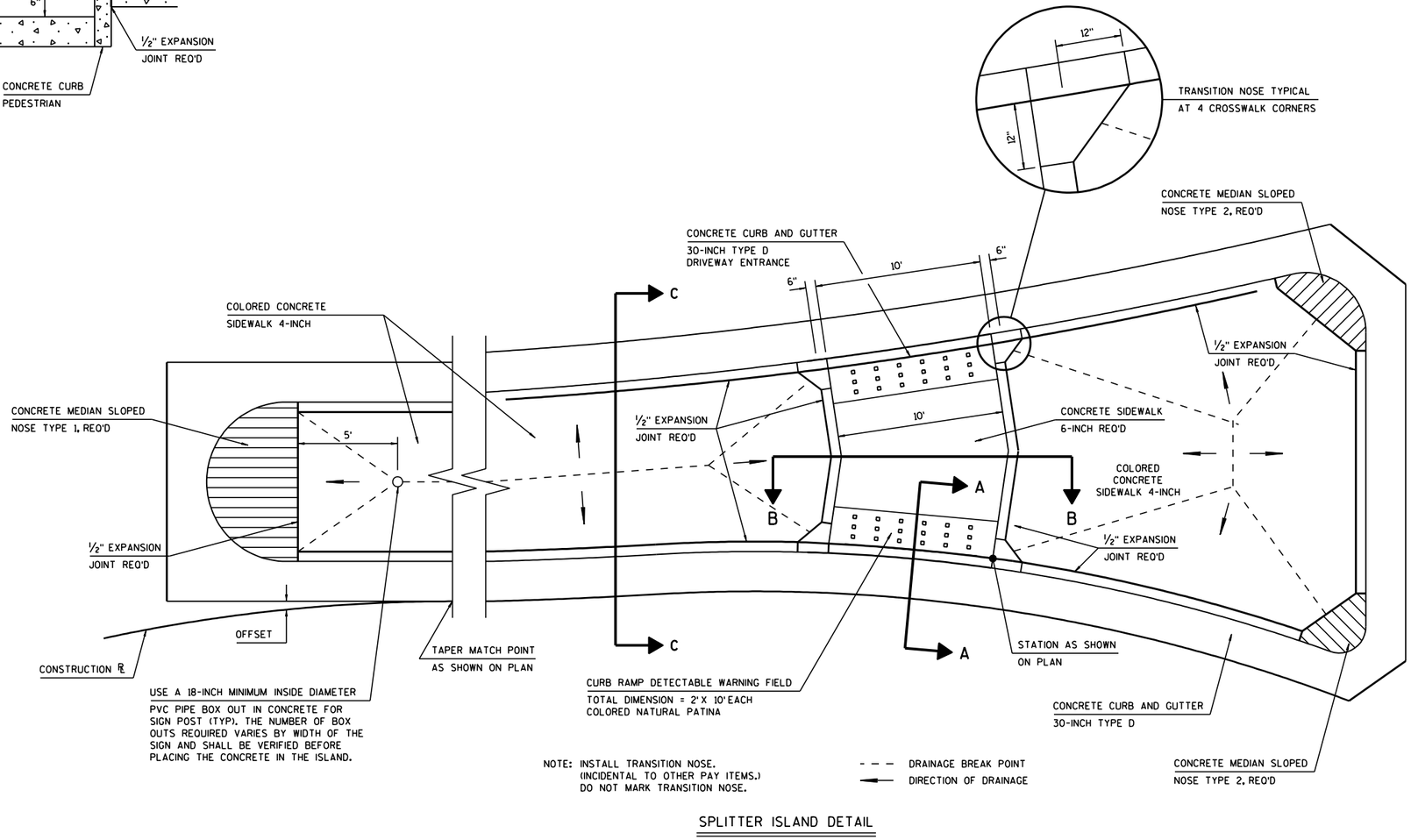


SECTION C-C

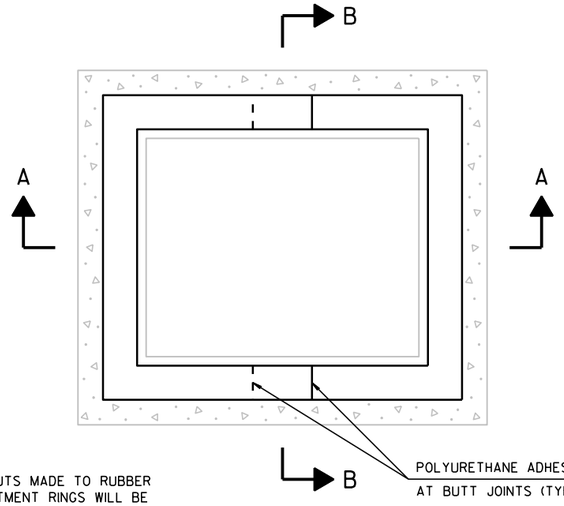


ISLAND SIGN LOCATION DETAIL (TYP)

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.

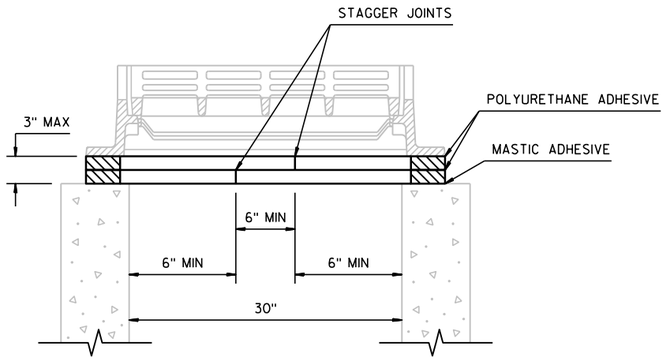


SPLITTER ISLAND DETAIL

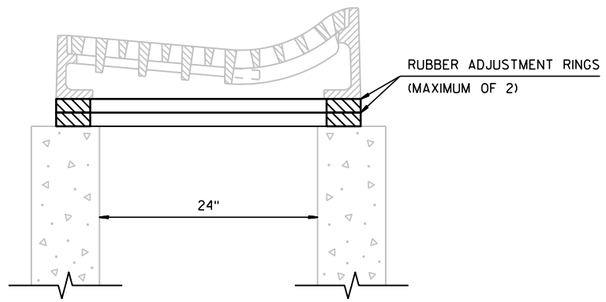


NOTE: ALL CUTS MADE TO RUBBER ADJUSTMENT RINGS WILL BE PERPENDICULAR AND PROVIDE A TIGHT JOINT.

PLAN VIEW

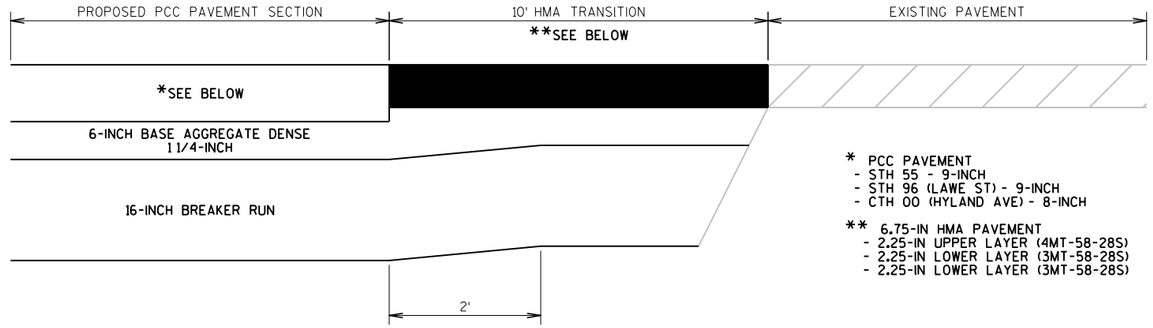


SECTION A-A

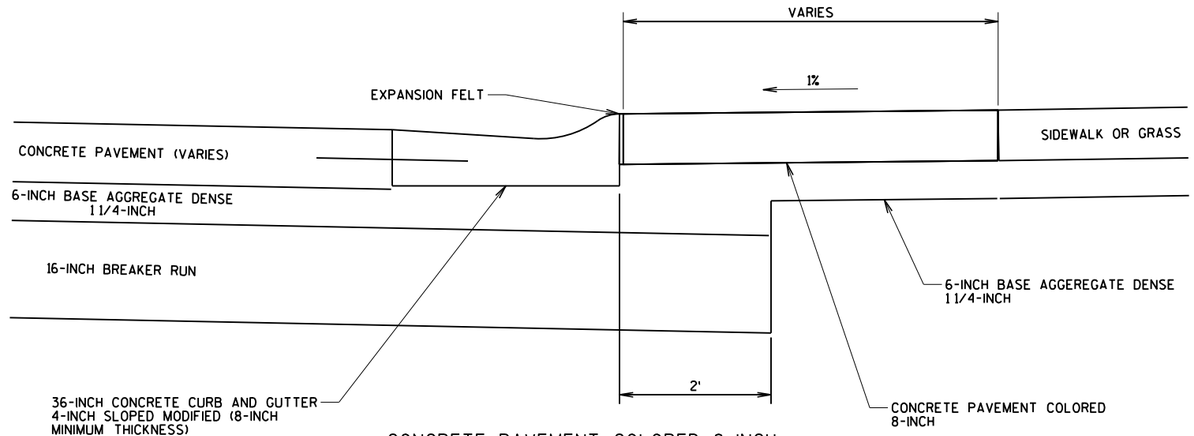


SECTION B-B

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



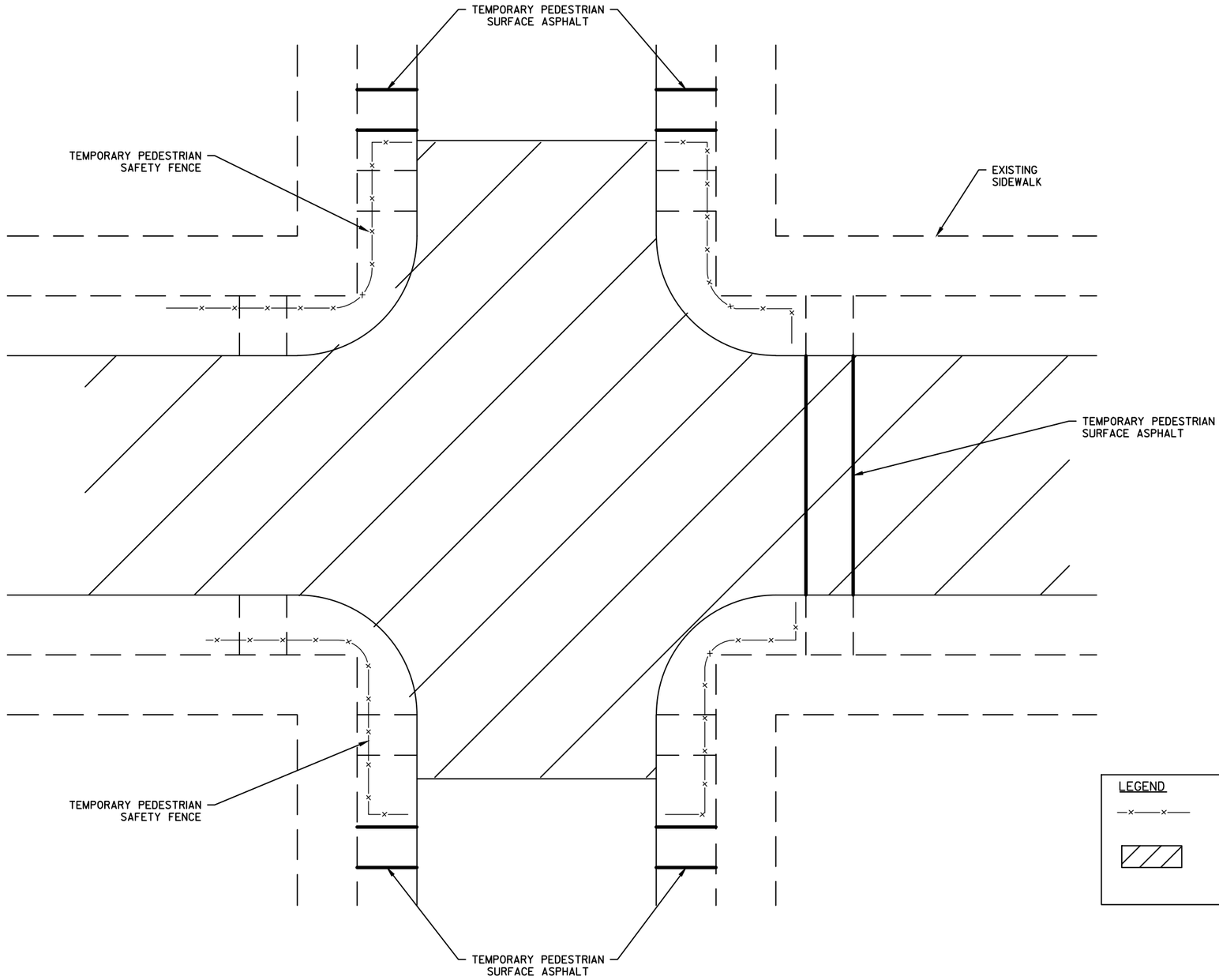
HMA TRANSITION DETAIL



CONCRETE PAVEMENT COLORED 8-INCH

FILE NAME : F:\TR\JOBS\E1859A08\Civil 3D 2012\SheetsPlan\46500871_021008_cd.dgn PLOT DATE : 3/29/2017 9:38:49 AM PLOT BY : OMNNI - epleyb PLOT NAME : PLOT SCALE : 2.0000 ' / in.
WISDOT/CADDS SHEET 42

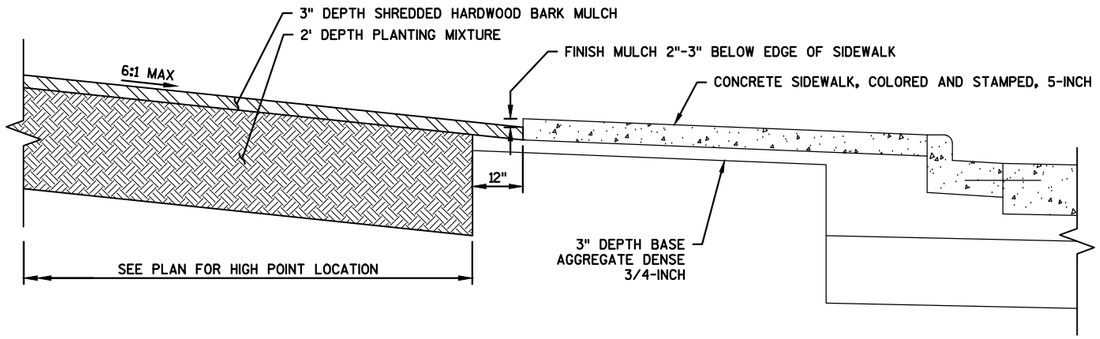
2



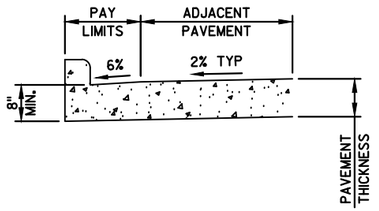
CONSTRUCTION DETAIL

TEMPORARY PEDESTRIAN SAFETY FENCE

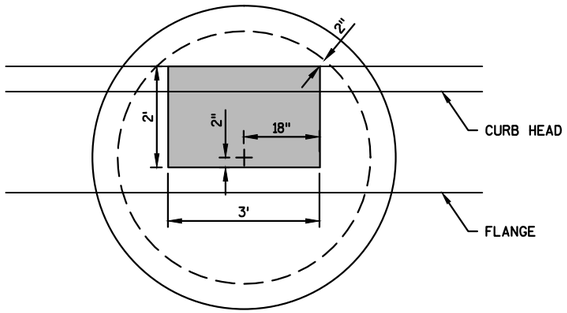
2



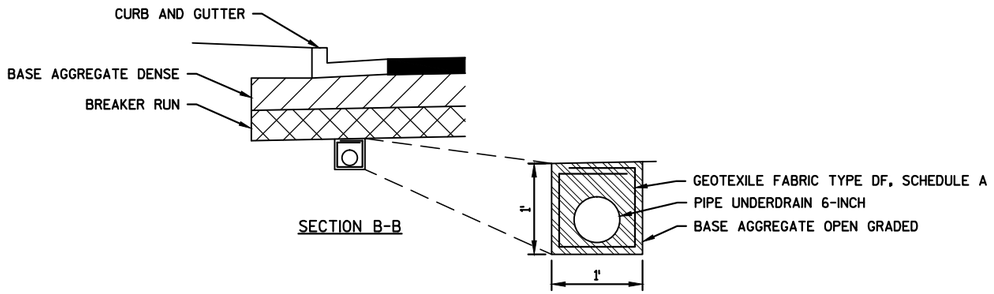
ROUNDABOUT PLANTING BED SECTION



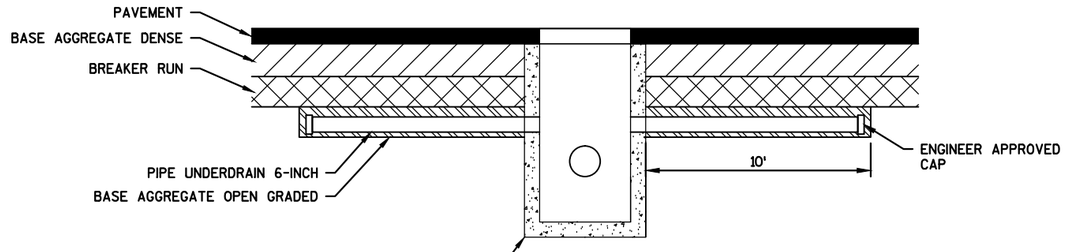
CONCRETE CURB & GUTTER, INTEGRAL, 18-INCH, TYPE D



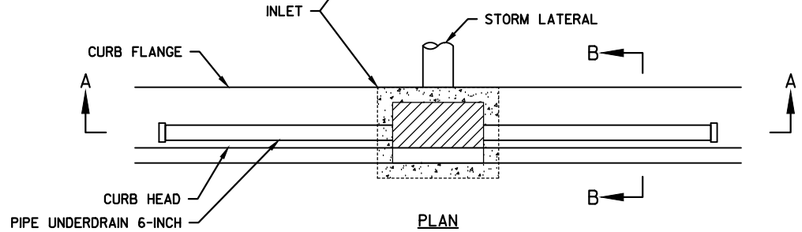
MH 20.2 OPENING DETAIL
STA 219+81 NB STH 55



SECTION B-B



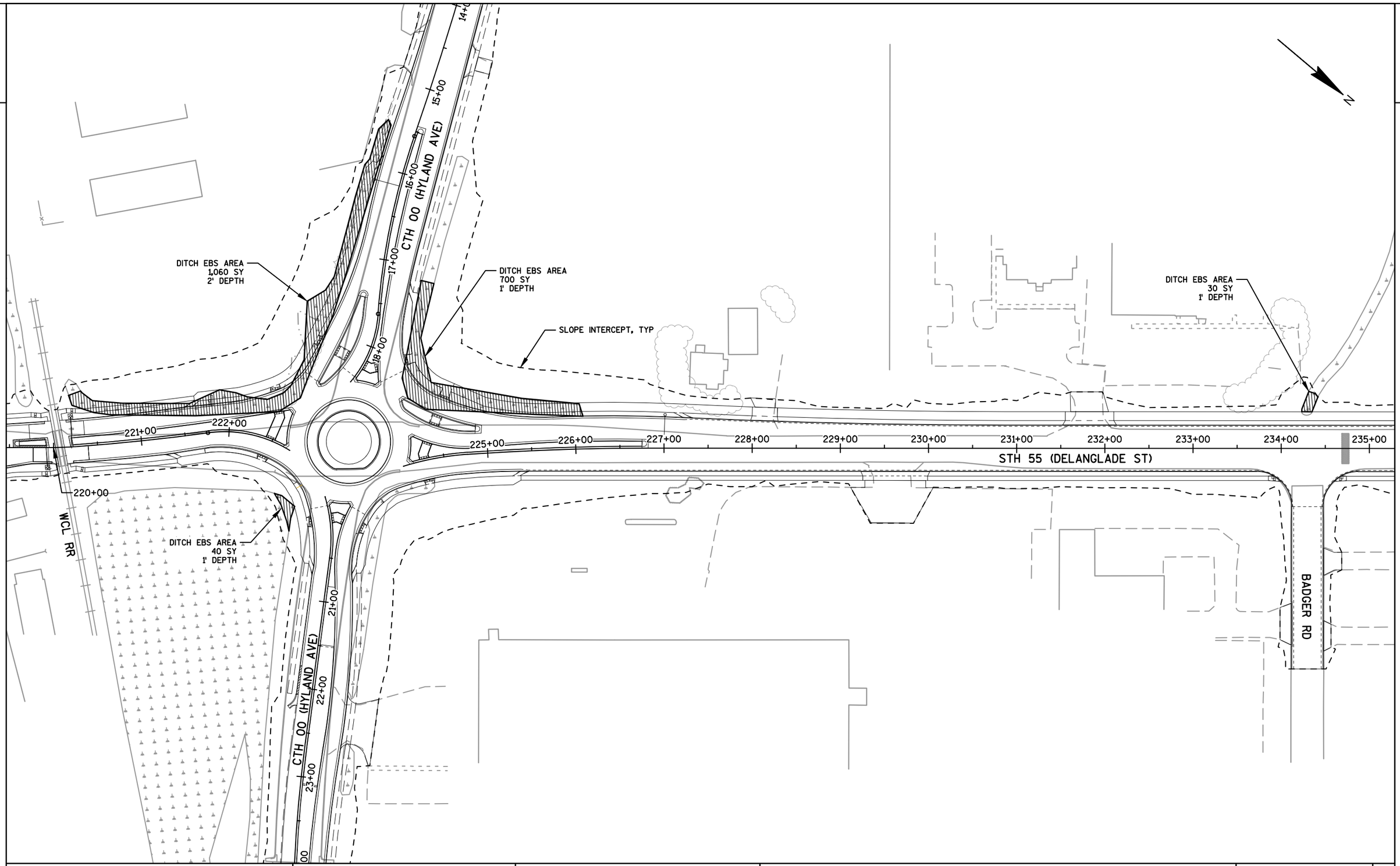
SECTION A-A



PLAN

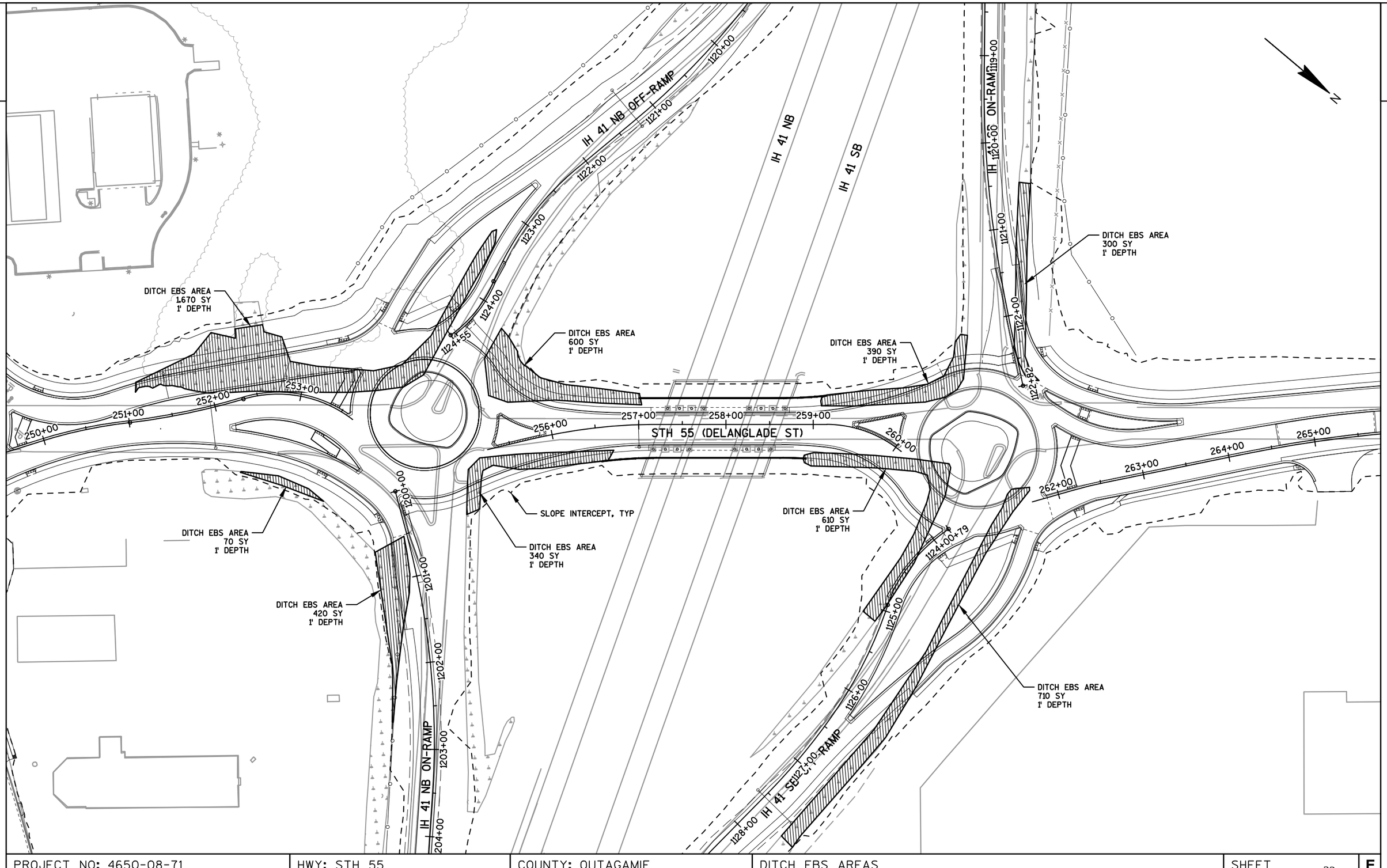
PIPE UNDERDRAIN DETAIL
LOCATED AT PROFILE LOW POINTS: SEE PLAN

2



PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	DITCH EBS AREAS	SHEET 31	E

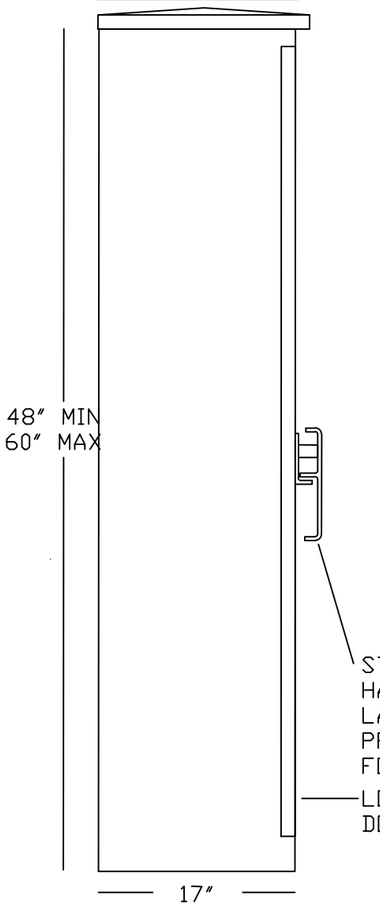
2



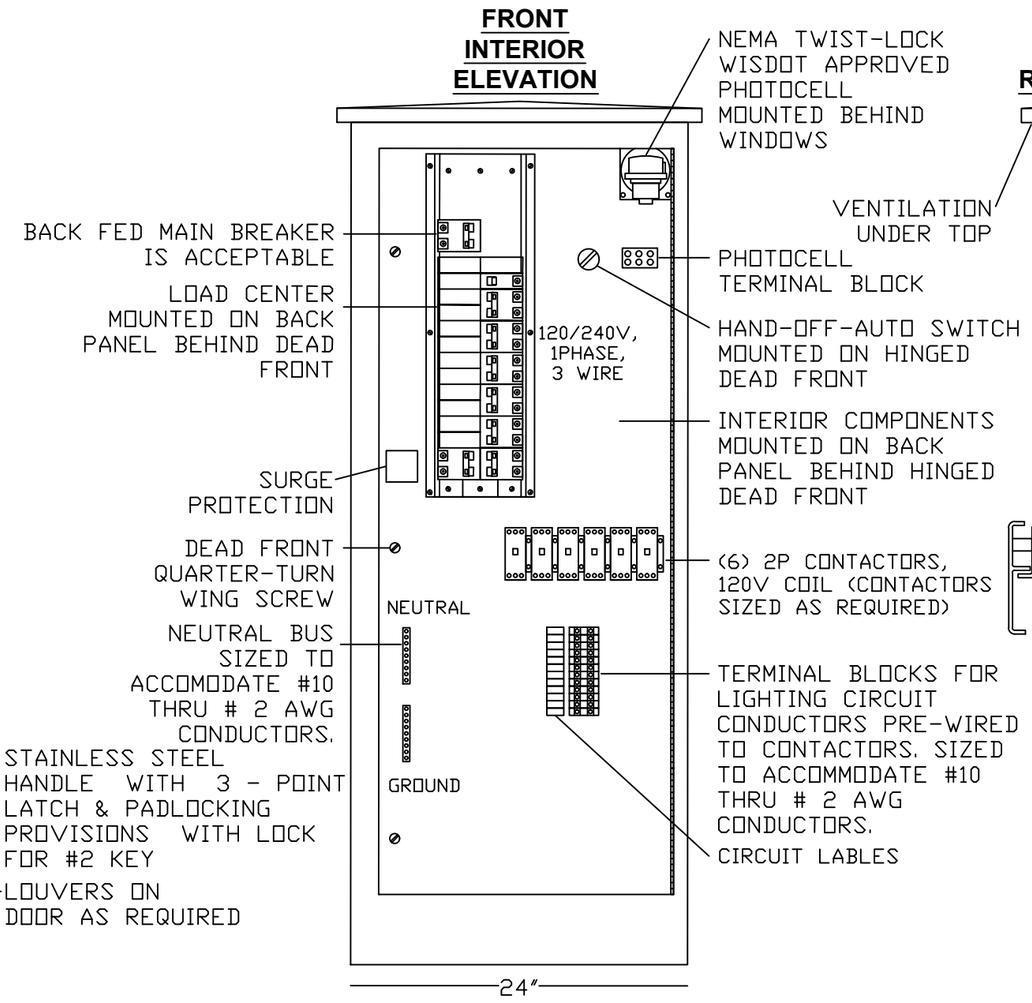
PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	DITCH EBS AREAS	SHEET 32	E

Not to scale

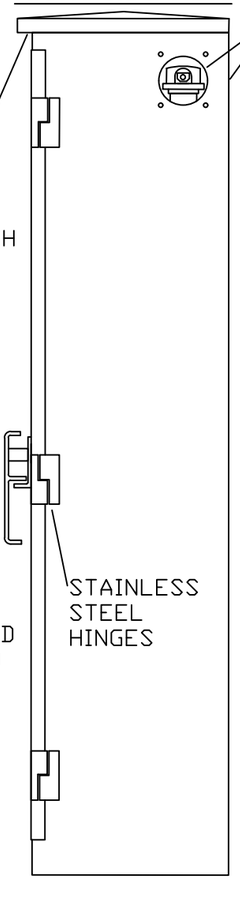
LEFT SIDE VIEW

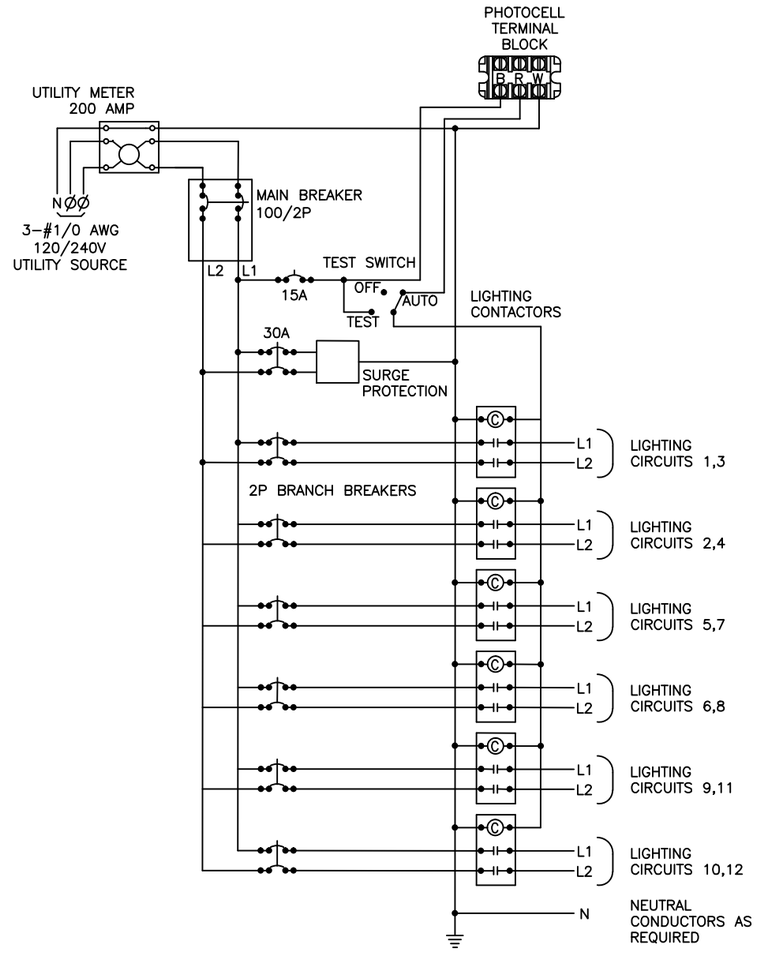


FRONT INTERIOR ELEVATION



RIGHT SIDE VIEW



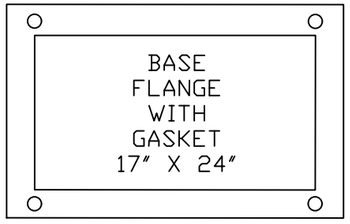


CONTROL CABINET SCHEMATIC

120/240 VOLT LIGHTING CONTROL CABINET WISDOT 120/240

BOX CONSTRUCTION:

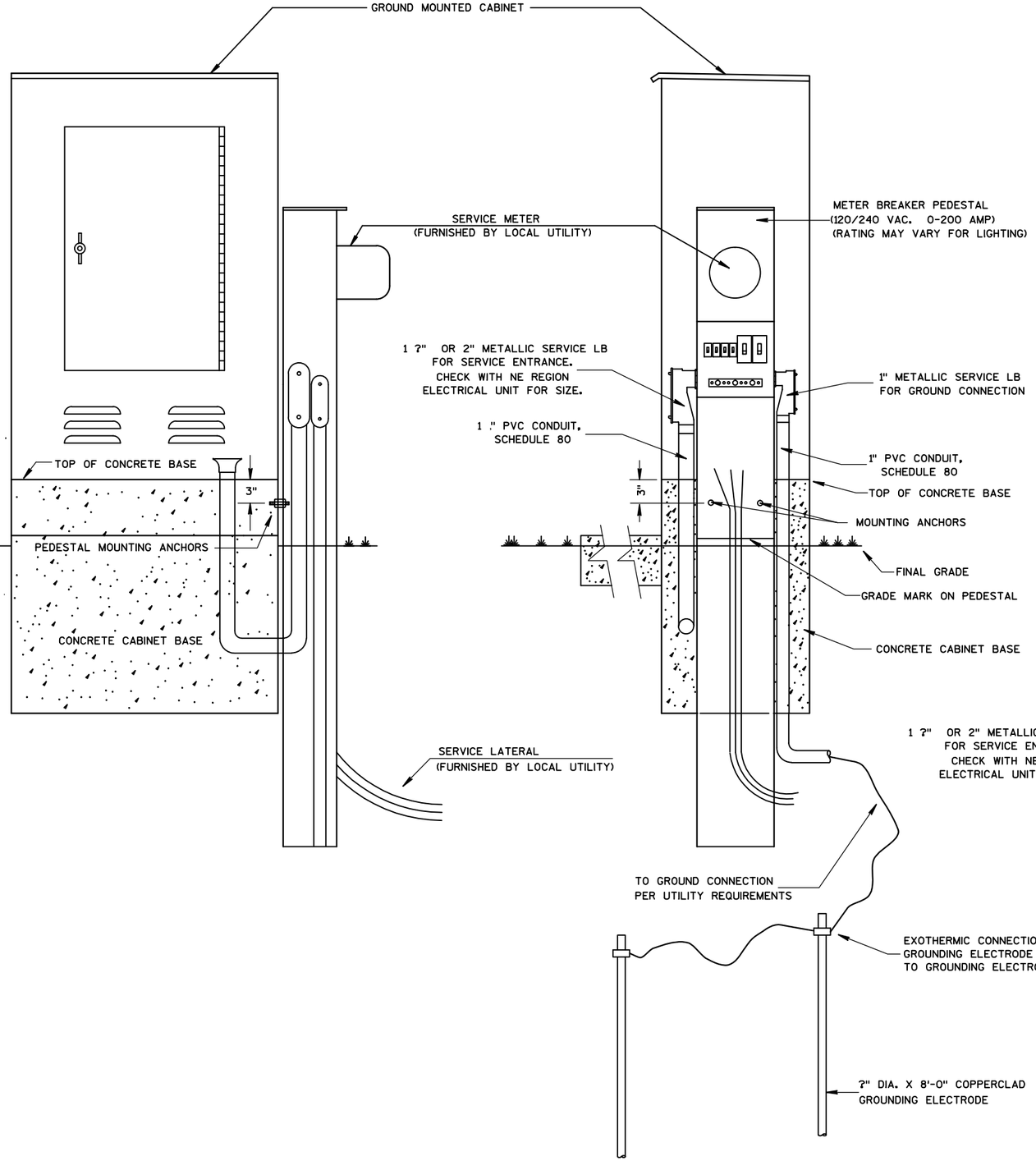
- NEMA3R
- UL LISTED
- -1/8" ALUMINUM 5052-H32 ANODIZED CLEAR
- BENT CONSTRUCTION - ONE PIECE SIDES AND BACK
- NEOPRENE GASKETED DOORS
- STAINLESS STEEL HARDWARE
- ETL LISTED IN ACCORDANCE W/ UL508A



LOAD CENTER:

- 30 CIRCUIT MIN.
- 100AMP MAIN CIRCUIT BREAKER
- COPPER BUS
- 22K AIC
- (1) 15A/1P CONTROL BREAKER
- (1) 30A/2P BREAKER FOR SURGE PROTECTION DEVICE
- (6) 2P BRANCH BREAKERS (BREAKERS SIZED AS REQUIRED)

PROJECT NO: 4650-08-71	HWY: 141	COUNTY: OUTAGAMIE	CONSTRUCTION DETAIL- NER LIGHTING CABINET INSTALLATION	SHEET 33 E



GENERAL NOTES

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

THE EXACT LOCATION OF THE METER BREAKER PEDESTAL SHALL BE DETERMINED BY THE ENGINEER IN THE FIELD.

THE TYPE OF CONCRETE CABINET BASE TO BE INSTALLED SHALL BE AS CALLED FOR IN THE PLANS.

TO FACILITATE FLUSH MOUNTING OF THE METER BREAKER PEDESTAL AGAINST THE SIDE OF THE CABINET BASE (IF FLUSH MOUNTING POSSIBLE. CONFER WITH THE LOCAL UTILITY TO DETERMINE WHICH SIDE OF THE CONCRETE BASE THE ELECTRICAL SERVICE LATERAL WILL APPROACH. THEN FORM THAT INDICATED SIDE FOR FULL SIDE DEPTH.

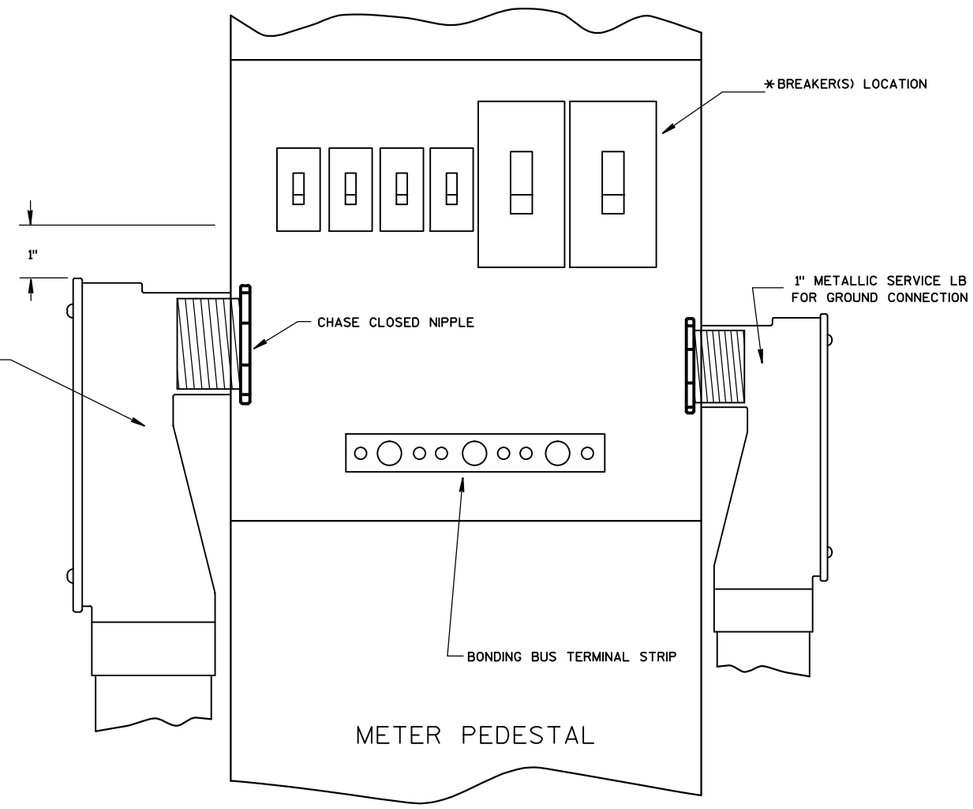
WHILE FLUSH MOUNTING IS THE MOST DESIRABLE MOUNTING CONFIGURATION UTILITY REQUIREMENTS MAY PRECLUDE THIS OPTION. CONTRACTOR MUST PROVIDE UTILITY APPROVED PEDESTAL AND INSTALL PER UTILITY AND MANUFACTURERS REQUIREMENTS.

SERVICE CONDUCTOR ENTRANCES SHALL BE RIGID METALLIC CONDUIT OR SCHEDULE 80 PVC, NIPPLES AND/OR CONDULETS AS REQUIRED. CONDUIT LB SHALL BE OF METALLIC SERVICE ENTRANCE TYPE.

SERVICE CONDUCTOR ENTRANCES SHALL BE SIZED AND LOCATED AS REQUIRED BY THE LOCAL UTILITY AND IN ACCORDANCE WITH APPROPRIATE ARTICLES OF THE LATEST ACCEPTED NATIONAL ELECTRICAL CODE.

IF MORE THAN ONE GROUNDING ELECTRODE IS REQUIRED, THE DISTANCE APART SHALL BE 6 FEET OR PER NEC.

* SOME PEDESTAL LIGHTING PLANS SHOW MAIN LUGS ONLY.



2

GENERAL NOTES

1) DRAWINGS NOT TO SCALE

2) DESIGN NEW OVERHEAD SIGN SUPPORTS ACCORDING TO THE LATEST EDITION OF, AND SUPPLEMENTAL TO THE STATE OF WISCONSIN "STANDARD SPECIFICATIONS FOR HIGHWAY AND STRUCTURE CONSTRUCTION" AND AASHTO "STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINARIES AND TRAFFIC SIGNALS."

3) PROVIDE AN IDENTIFICATION PLAQUE FOR ALL OVERHEAD SIGN SUPPORTS, TO BE CONSIDERED INCIDENTIAL TO THE BID ITEM "OVERHEAD SIGN SUPPORT".

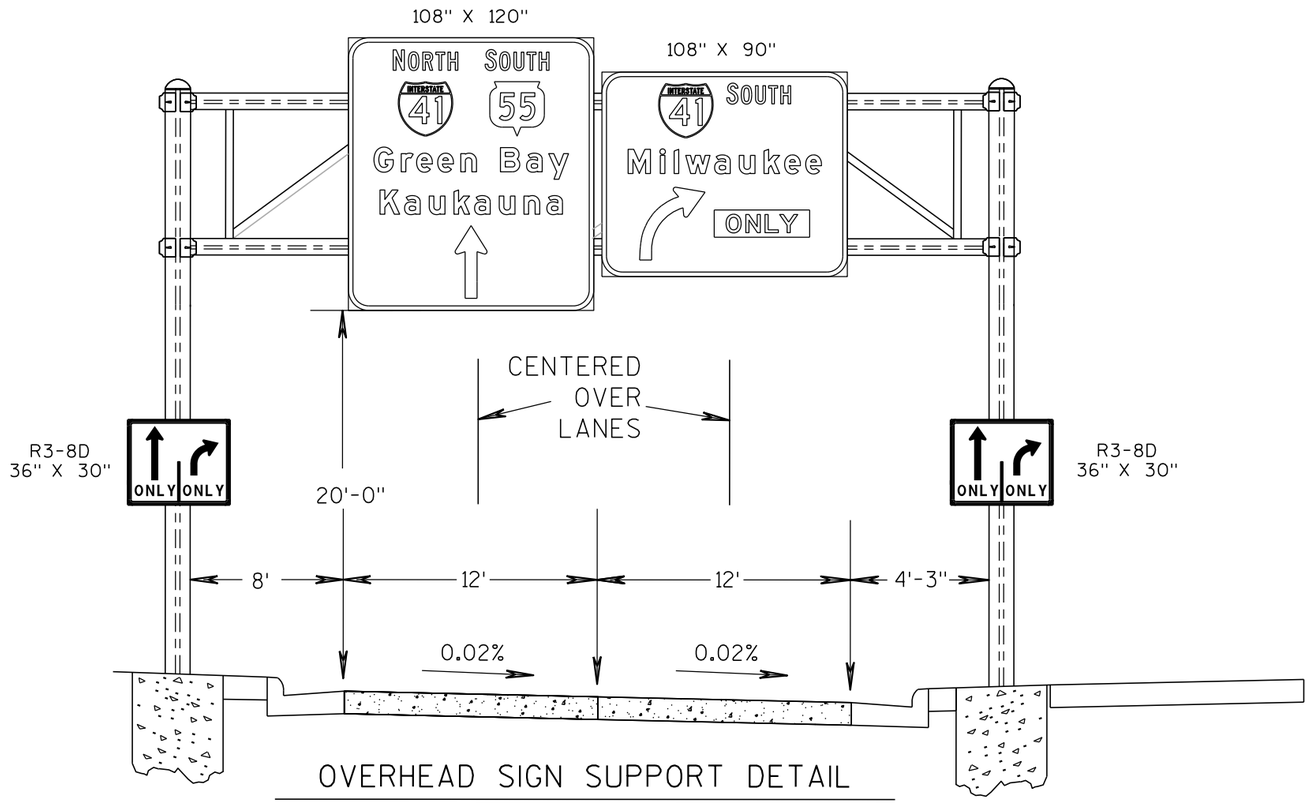
4) SIZE THE ANCHOR BOLT/TEMPLATE ASSEMBLY TO FIT WITHIN THE BAR CAGE OF THE FOOTING BASE SHOWN IN THE CONTRACT PLANS FOR A 36" DIAMETER BASE. IN ADDITION TO MEETING ALL APPLICABLE DESIGN REQUIREMENTS FOR THE DESIGN OF THE UPRIGHT BASE CONNECTION.

5) PROVIDE DESIGN CALCULATIONS

6) SIGNS OR BLANKS SHALL BE INSTALLED ON THE OVERHEAD SIGN SUPPORT AT THE TIME OF ERECTION. BLANKS, IF USED, SHALL BE OF THE SAME SIZE AND LOCATION AS PERM SIGNING.

7) SIGNS SHALL BE ATTACHED TO SIGN BRIDGE AS SHOWN ON STANDARD SIGN PLATE A4-7.

8) COMPLETELY RESTORE THE SURROUNDING DISTURBED AREA AS IT PREVIOUSLY WAS PRIOR TO EXCAVATING.



OVERHEAD SIGN SUPPORT DETAIL

STH 55 SOUTHBOUND
S-44-0200
STA 266+15'SB'
LOOKING IN DIRECTION OF TRAVEL

PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	OVERHEAD SIGN SUPPORT DETAILS	SHEET	E

FILE NAME : N:\spo\traffic\SIGNING\Projects\4650-08-71 STH 55 Outagamie Co\sign support details.dgn PLOT DATE : 28-APR-2017 08:13 PLOT BY : dotets PLOT NAME : PLOT SCALE : 100:1
WISDOT/CADDS SHEET 42

2

GENERAL NOTES

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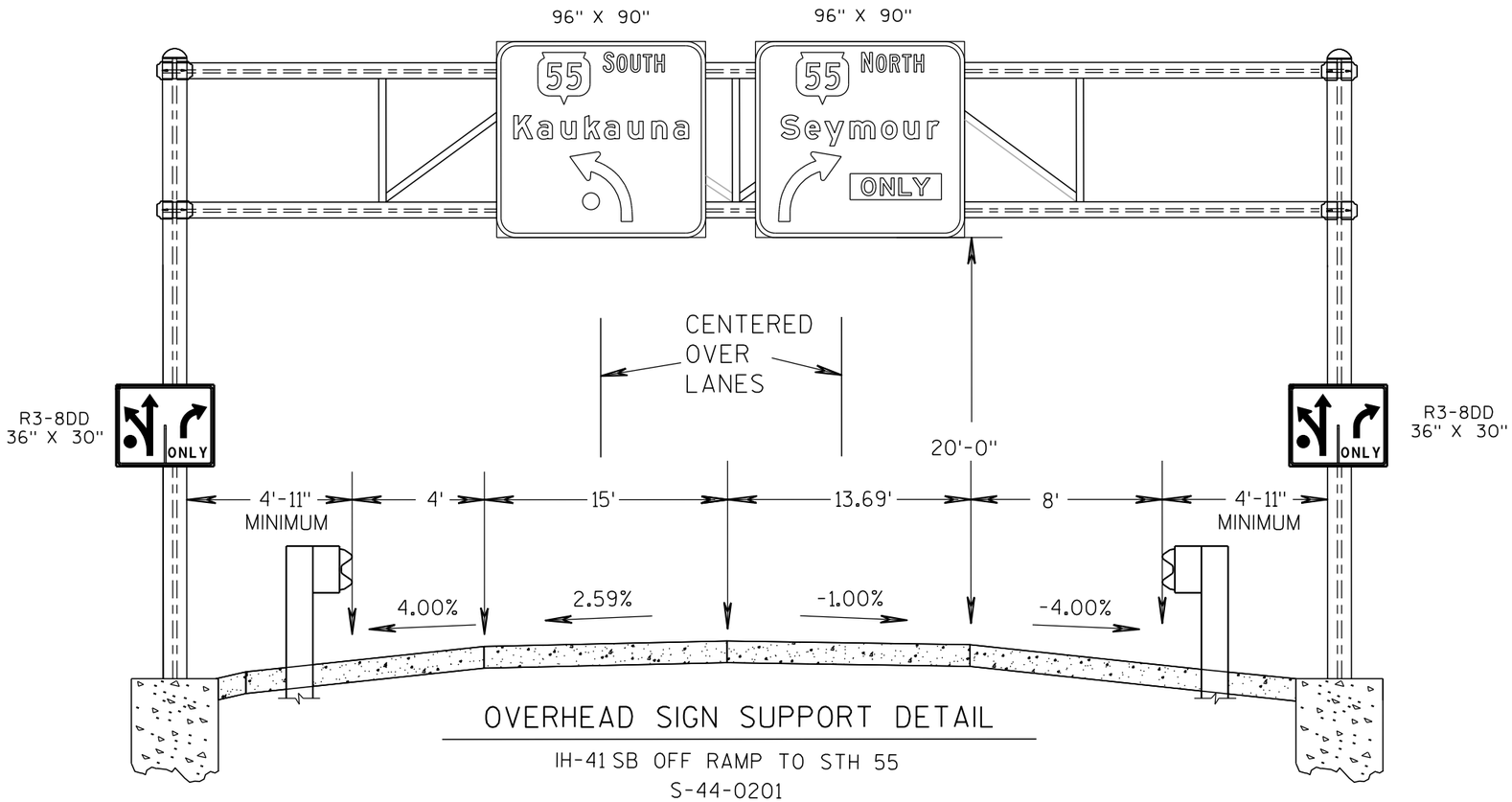

OVERHEAD SIGN SUPPORT DETAIL

IH-41 SB OFF RAMP TO STH 55
S-44-0201
STA 1127+56'CC'
LOOKING IN DIRECTION OF TRAVEL

PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	OVERHEAD SIGN SUPPORT DETAILS	SHEET 36	E

2

GENERAL NOTES

1) DRAWINGS NOT TO SCALE

2) DESIGN NEW OVERHEAD SIGN SUPPORTS ACCORDING TO THE LATEST EDITION OF, AND SUPPLEMENTAL TO THE STATE OF WISCONSIN "STANDARD SPECIFICATIONS FOR HIGHWAY AND STRUCTURE CONSTRUCTION" AND AASHTO "STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINARIES AND TRAFFIC SIGNALS."

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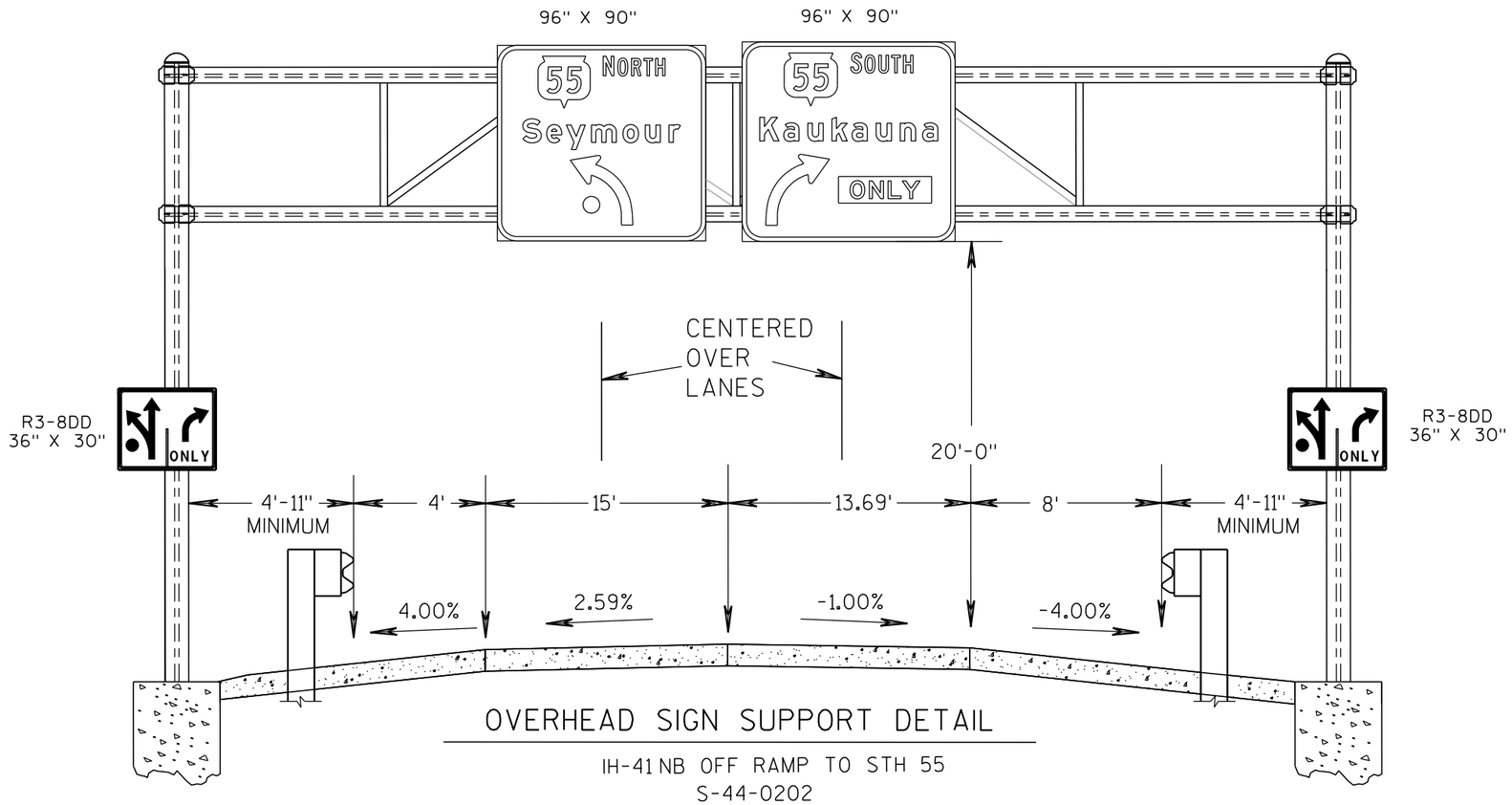
7) SIGNS SHALL BE ATTACHED TO SIGN BRIDGE AS SHOWN ON STANDARD SIGN PLATE A4-7.

8) COMPLETELY RESTORE THE SURROUNDING DISTURBED AREA AS IT PREVIOUSLY WAS PRIOR TO EXCAVATING.



OVERHEAD SIGN SUPPORT DETAIL

IH-41 NB OFF RAMP TO STH 55
S-44-0202
STA 1121+25'AA'
LOOKING IN DIRECTION OF TRAVEL

PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	OVERHEAD SIGN SUPPORT DETAILS	SHEET	E

2

GENERAL NOTES

1) DRAWINGS NOT TO SCALE

2) DESIGN NEW OVERHEAD SIGN SUPPORTS ACCORDING TO THE LATEST EDITION OF, AND SUPPLEMENTAL TO THE STATE OF WISCONSIN "STANDARD SPECIFICATIONS FOR HIGHWAY AND STRUCTURE CONSTRUCTION" AND AASHTO "STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINARIES AND TRAFFIC SIGNALS."

3) PROVIDE AN IDENTIFICATION PLAQUE FOR ALL OVERHEAD SIGN SUPPORTS, TO BE CONSIDERED INCIDENTIAL TO THE BID ITEM "OVERHEAD SIGN SUPPORT".

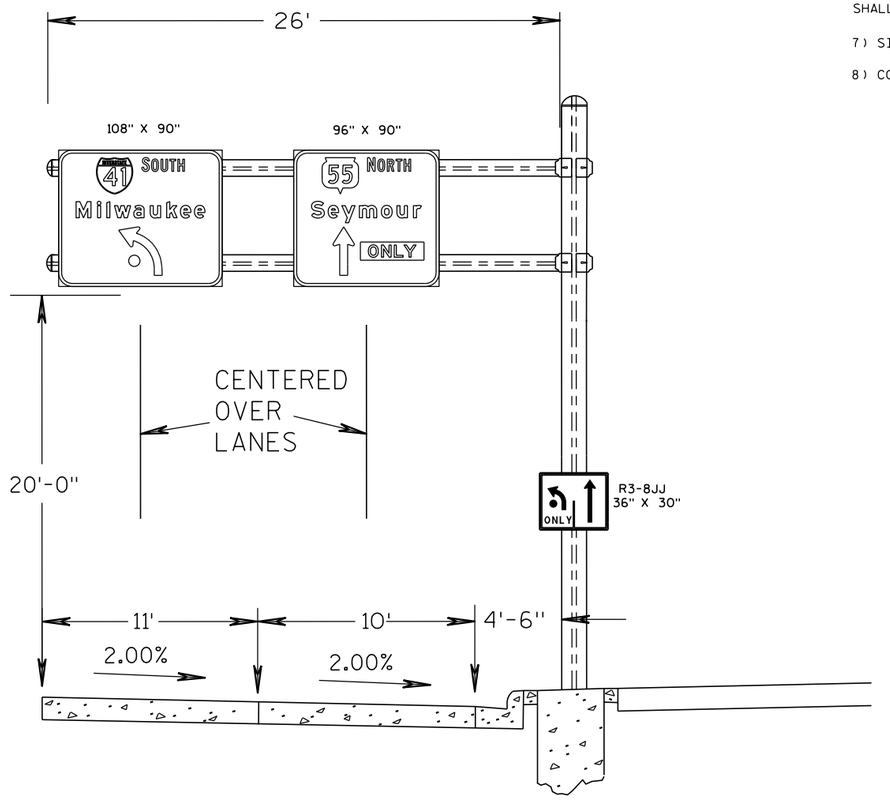
4) SIZE THE ANCHOR BOLT/TEMPLATE ASSEMBLY TO FIT WITHIN THE BAR CAGE OF THE FOOTING BASE SHOWN IN THE CONTRACT PLANS FOR A 42" DIAMETER BASE. IN ADDITION TO MEETING ALL APPLICABLE DESIGN REQUIREMENTS FOR THE DESIGN OF THE UPRIGHT BASE CONNECTION.

5) PROVIDE DESIGN CALCULATIONS

6) SIGNS OR BLANKS SHALL BE INSTALLED ON THE OVERHEAD SIGN SUPPORT AT THE TIME OF ERECTION. BLANKS, IF USED, SHALL BE OF THE SAME SIZE AND LOCATION AS PERM SIGNING.

7) SIGNS SHALL BE ATTACHED TO SIGN CANTILEVER AS SHOWN ON STANDARD SIGN PLATE A4-7.

8) COMPLETELY RESTORE THE SURROUNDING DISTURBED AREA AS IT PREVIOUSLY WAS PRIOR TO EXCAVATING.



OVERHEAD SIGN MOUNTING STRUCTURE - 26' SPAN

STH 55 NB
S-44-0203
STA 257+00'NB'
LOOKING IN DIRECTION OF TRAVEL

PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	OVERHEAD SIGN SUPPORT DETAILS	SHEET	E

2

GENERAL NOTES

1) DRAWINGS NOT TO SCALE

2) DESIGN NEW OVERHEAD SIGN SUPPORTS ACCORDING TO THE LATEST EDITION OF, AND SUPPLEMENTAL TO THE STATE OF WISCONSIN "STANDARD SPECIFICATIONS FOR HIGHWAY AND STRUCTURE CONSTRUCTION" AND AASHTO "STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINARIES AND TRAFFIC SIGNALS."

3) PROVIDE AN IDENTIFICATION PLAQUE FOR ALL OVERHEAD SIGN SUPPORTS, TO BE CONSIDERED INCIDENTIAL TO THE BID ITEM "OVERHEAD SIGN SUPPORT".

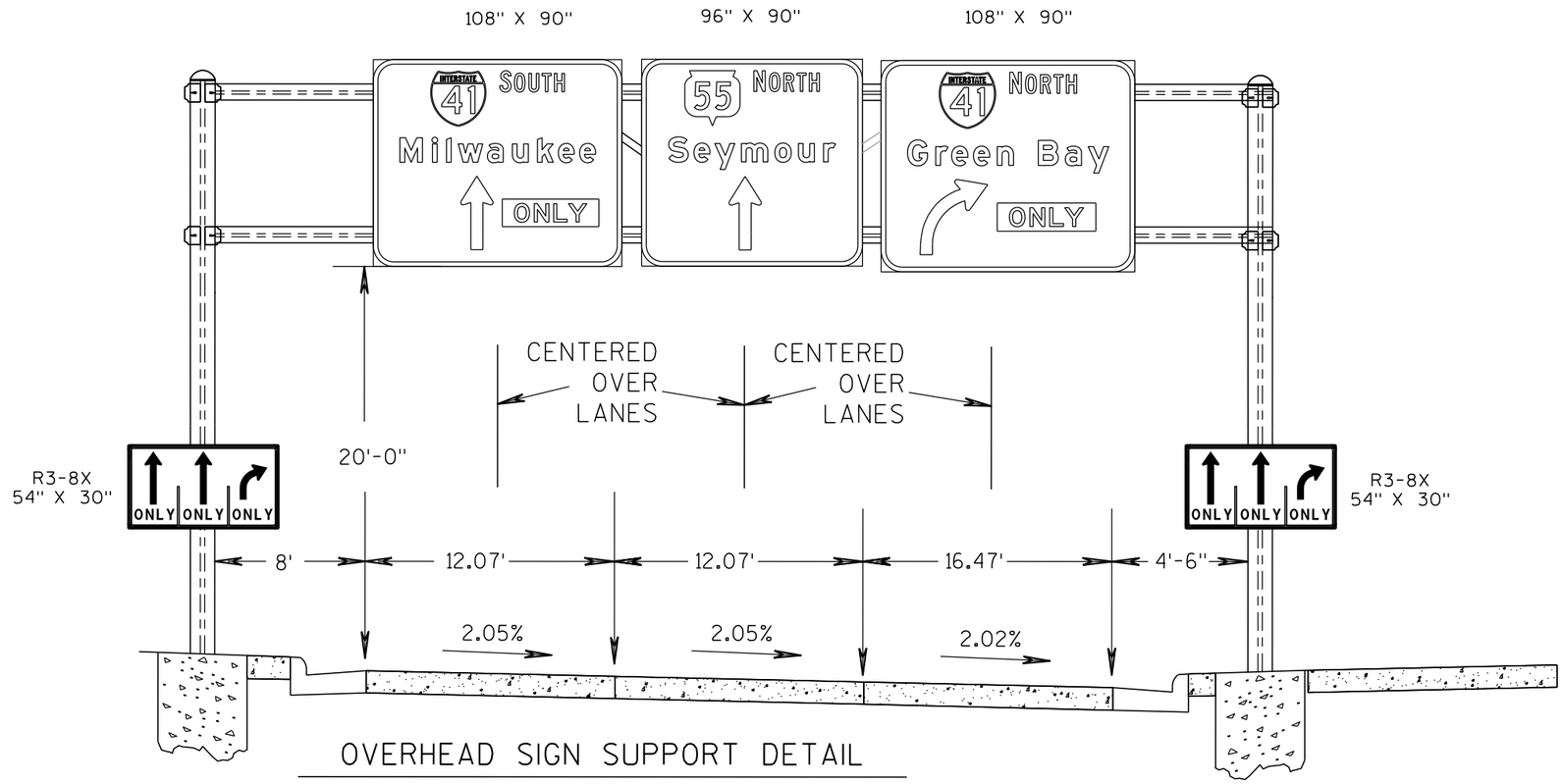
4) SIZE THE ANCHOR BOLT/TEMPLATE ASSEMBLY TO FIT WITHIN THE BAR CAGE OF THE FOOTING BASE SHOWN IN THE CONTRACT PLANS FOR A 36" DIAMETER BASE. IN ADDITION TO MEETING ALL APPLICABLE DESIGN REQUIREMENTS FOR THE DESIGN OF THE UPRIGHT BASE CONNECTION.

5) PROVIDE DESIGN CALCULATIONS

6) SIGNS OR BLANKS SHALL BE INSTALLED ON THE OVERHEAD SIGN SUPPORT AT THE TIME OF ERECTION. BLANKS, IF USED, SHALL BE OF THE SAME SIZE AND LOCATION AS PERM SIGNING.

7) SIGNS SHALL BE ATTACHED TO SIGN BRIDGE AS SHOWN ON STANDARD SIGN PLATE A4-7.

8) COMPLETELY RESTORE THE SURROUNDING DISTURBED AREA AS IT PREVIOUSLY WAS PRIOR TO EXCAVATING.



OVERHEAD SIGN SUPPORT DETAIL

STH 55 NORTHBOUND
S-44-0204
STA 251+95'NB'
LOOKING IN DIRECTION OF TRAVEL

PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	OVERHEAD SIGN SUPPORT DETAILS	SHEET 39	E

2

GENERAL NOTES

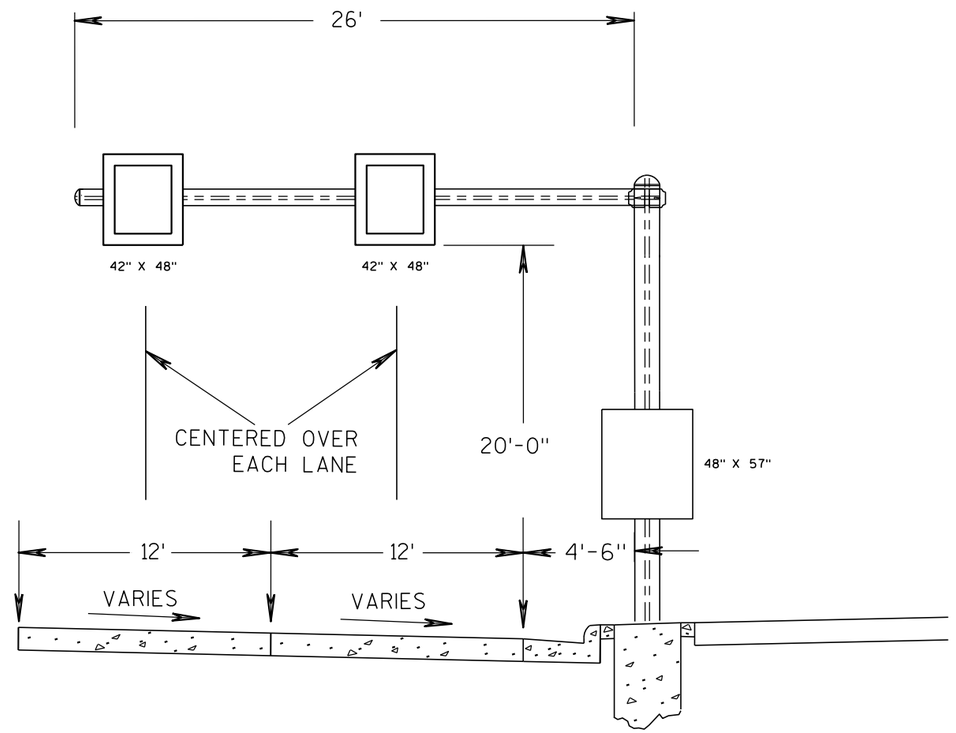
1) DRAWINGS NOT TO SCALE

2) DESIGN NEW OVERHEAD SIGN SUPPORTS ACCORDING TO THE LATEST EDITION OF, AND SUPPLEMENTAL TO THE STATE OF WISCONSIN "STANDARD SPECIFICATIONS FOR HIGHWAY AND STRUCTURE CONSTRUCTION" AND AASHTO "STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINARIES AND TRAFFIC SIGNALS."

3) PROVIDE AN IDENTIFICATION PLAQUE FOR ALL OVERHEAD SIGN SUPPORTS, TO BE CONSIDERED INCIDENTIAL TO THE BID ITEM "OVERHEAD SIGN SUPPORT".

4) SIZE THE ANCHOR BOLT/TEMPLATE ASSEMBLY TO FIT WITHIN THE BAR CAGE OF THE FOOTING BASE SHOWN IN THE CONTRACT PLANS FOR A 36" DIAMETER BASE. IN ADDITION TO MEETING ALL APPLICABLE DESIGN REQUIREMENTS FOR THE DESIGN OF THE UPRIGHT BASE CONNECTION.

5) PROVIDE DESIGN CALCULATIONS



OVERHEAD CANTILEVER SIGN STRUCTURE DETAIL

STH 55 NORTH	STH 55 SOUTH	MALONEY RD	STH 55 SOUTH	CTH 00 EASTBOUND
S-44-0205	S-44-0206	S-44-0207	S-44-0208	S-44-0209
STA 251+43'NB'	STA 245+00'SB'	STA 37+65	STA 227+00'NB'	STA 16+15'EB'

LOOKING IN DIRECTION OF TRAVEL

2

SAWCUT 1 FOOT OFF RETAINING WALL AND BUILDING TO FACILITATE SIDEWALK REMOVAL

REMOVE CURB &GUTTER

STH 55

CTH J

STH 96

207+00 208+00 209+00 210+00 101+00 102+00 310+00 311+00 312+00 313+00 314+00 315+00

LEGEND

XXXX XXXX XXXX	SAW CUT
SAN	REMOVE SANITARY SEWER
SS	REMOVE STORM SEWER
—x—x—x—	REMOVE FENCE
	SALVAGED GUARD RAIL
	CLEARING AND GRUBBING
	REMOVE MANHOLE
	REMOVE INLET
	REMOVE SIDEWALK
	REMOVE PAVEMENT

N

PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	REMOVAL PLAN	SHEET 41	E

FILE NAME : F:\TR\JOBS\E1859A08\CIVIL 3D 2012\SHEETSPLAN\46500871_021050_RM.DWG
LAYOUT NAME - 46500871_021050_RM
46500871_021050_rm
PLOT DATE : 9/8/2017 12:47 PM PLOT BY : CRAIG KNUTH PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44

REMOVE CURB & GUTTER

OVIATT ST

DESNOYER ST

STH 55

210+00 211+00 212+00 213+00 214+00 215+00

REMOVE CURB & GUTTER

REMOVE CULVERT PIPE

216+00 217+00 218+00 219+00 220+00 221+00 222+00

DESNOYER ST

BLACKWELL ST

32+00

LEGEND

- SAW CUT
- REMOVE SANITARY SEWER
- REMOVE STORM SEWER
- REMOVE FENCE
- SALVAGED GUARD RAIL
- CLEARING AND GRUBBING
- REMOVE MANHOLE
- REMOVE INLET
- REMOVE SIDEWALK
- REMOVE PAVEMENT

PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	REMOVAL PLAN	SHEET 42	E

FILE NAME : F:\TR\JOBS\E1859A08\CIVIL 3D 2012\SHEETSPLAN\46500871_021050_RM.DWG
LAYOUT NAME - 46500871_021051_RM

PLOT DATE : 9/8/2017 12:47 PM PLOT BY : CRAIG KNUTH PLOT NAME : PLOT SCALE : 1 IN:40 FT

46500871_021051_rm

WISDOT/CADDS SHEET 44

2

CTH OO

STH 55

225+00 226+00 227+00 228+00

REMOVE CULVERT PIPE

REMOVE CULVERT PIPE

REMOVING OLD BOX CULVERT
STATION 234+73
4'x6' BOX CULVERT

229+00 230+00 231+00 232+00 233+00 234+00

BADGER ST

LEGEND

XXXX XXXX XXXX	SAW CUT
SAN	REMOVE SANITARY SEWER
SS	REMOVE STORM SEWER
—x—x—x—	REMOVE FENCE
	SALVAGED GUARD RAIL
	CLEARING AND GRUBBING
	REMOVE MANHOLE
	REMOVE INLET
	REMOVE SIDEWALK
	REMOVE PAVEMENT

PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	REMOVAL PLAN	SHEET 43	E

FILE NAME : F:\TR\JOBS\E1859A08\CIVIL 3D 2012\SHEETSPLAN\46500871_021050_RM.DWG
LAYOUT NAME - 46500871_021052_RM
46500871_021052_rm
PLOT DATE : 9/8/2017 12:48 PM PLOT BY : CRAIG KNUTH PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44

2

STH 55

235+00 236+00 237+00 238+00 239+00 240+00 241+00

REMOVE CULVERT PIPE

XXXX XXXX

XXXX

STH 55

242+00 243+00 244+00 245+00 246+00 247+00

LEGEND

XXXX XXXX XXXX	SAW CUT
SAN	REMOVE SANITARY SEWER
SS	REMOVE STORM SEWER
—x—x—x—	REMOVE FENCE
	SALVAGED GUARD RAIL
	CLEARING AND GRUBBING
	REMOVE MANHOLE
	REMOVE INLET
	REMOVE SIDEWALK
	REMOVE PAVEMENT

PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	REMOVAL PLAN	SHEET 44	E

FILE NAME : F:\TR\JOBS\E1859A08\CIVIL 3D 2012\SHEETSPLAN\46500871_021050_RM.DWG
LAYOUT NAME - 46500871_021053_RM

46500871_021053_rm

PLOT DATE : 9/8/2017 12:48 PM PLOT BY : CRAIG KNUTH PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

GERTRUDE ST

MALONEY RD

IH 41 OFF-RAMP NB

IH 41 NB ON-RAMP

STH 55

REMOVE CULVERT PIPE

REMOVE CULVERT PIPE

LEGEND

XXXX XXXX XXXX	SAW CUT
SAN	REMOVE SANITARY SEWER
SS	REMOVE STORM SEWER
FENCE	REMOVE FENCE
GUARD RAIL	SALVAGED GUARD RAIL
	CLEARING AND GRUBBING
	REMOVE MANHOLE
	REMOVE INLET
	REMOVE SIDEWALK
	REMOVE PAVEMENT

PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	REMOVAL PLAN	SHEET 45	E

FILE NAME : F:\TR\JOBS\E1859A08\CIVIL 3D 2012\SHEETSPLAN\46500871_021050_RM.DWG
LAYOUT NAME - 46500871_021054_RM
46500871_021054_rm
PLOT DATE : 9/8/2017 12:48 PM PLOT BY : CRAIG KNUTH PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44

2

IH 41 SB ON-RAMP

IH 41 SB OFF-RAMP

92+00

93+00

94+00

00+16

260+00

462+00

562+00

262+00

463+00

563+00

263+00

464+00

564+00

264+00

265+00

266+00

STH 55

REMOVE CULVERT PIPE

XXXX XXXX

CULVERT PIPE TO REMAIN

ABANDON CULVERT PIPE

REMOVE CURB & GUTTER

ARBOR WAY

REMOVE CURB & GUTTER

267+00

268+00

269+00

270+00

271+00

272+00

STH 55

XXXX XXXX XXXX

LEGEND

XXXX XXXX XXXX	SAW CUT
SAN	REMOVE SANITARY SEWER
SS	REMOVE STORM SEWER
—x—x—x—	REMOVE FENCE
	SALVAGED GUARD RAIL
	CLEARING AND GRUBBING
	REMOVE MANHOLE
	REMOVE INLET
	REMOVE SIDEWALK
	REMOVE PAVEMENT

PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	REMOVAL PLAN	SHEET 46	E

FILE NAME : F:\TR\JOBS\E1859A08\CIVIL 3D 2012\SHEETSPLAN\46500871_021050_RM.DWG
LAYOUT NAME - 46500871_021055_RM

PLOT DATE : 9/8/2017 12:49 PM PLOT BY : CRAIG KNUTH PLOT NAME : PLOT SCALE : 1 IN:40 FT

46500871_021055_rm

2

EXIST FORCEMAIN TO REMAIN

CTH OO

REMOVE CULVERT PIPE

EXIST FORCEMAIN TO REMAIN

STH 55

CTH OO

LEGEND

- SAW CUT
- REMOVE SANITARY SEWER
- REMOVE STORM SEWER
- REMOVE FENCE
- SALVAGED GUARD RAIL
- CLEARING AND GRUBBING
- REMOVE MANHOLE
- REMOVE INLET
- REMOVE SIDEWALK
- REMOVE PAVEMENT

PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	REMOVAL PLAN	SHEET 47	E

FILE NAME : F:\TR\JOBS\E1859A08\CIVIL 3D 2012\SHEETSPLAN\46500871_021050_RM.DWG
LAYOUT NAME - 46500871_021056_RM

PLOT DATE : 9/8/2017 12:49 PM PLOT BY : CRAIG KNUTH PLOT NAME : PLOT SCALE : 1 IN:40 FT

46500871_021056_rm

2

2

CTH 00

24+00

25+00

26+00

27+00

28+00

29+00

N

LEGEND

XXXX XXXX XXXX	SAW CUT
SAN	REMOVE SANITARY SEWER
SS	REMOVE STORM SEWER
×——×——×	REMOVE FENCE
	SALVAGED GUARD RAIL
	CLEARING AND GRUBBING
	REMOVE MANHOLE
	REMOVE INLET
	REMOVE SIDEWALK
	REMOVE PAVEMENT

REMOVE OLD STRUCTURE

STH 55

BADGER ST

234+00

235+00

51+00

52+00

53+00

54+00

PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	REMOVAL PLAN	SHEET 48 E

FILE NAME : F:\TR\JOBS\E1859A08\CIVIL 3D 2012\SHEETSPLAN\46500871_021050_RM.DWG
LAYOUT NAME - 46500871_021057_RM

46500871_021057_rm

PLOT DATE : 9/8/2017 12:49 PM PLOT BY : CRAIG KNUTH PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

2

GERTRUDE ST

STH 55

MALONEY RD

ABANDON STORM SEWER

30+00 31+00 32+00 33+00 34+00

71+00 72+00 73+00 74+00

36+00 37+00 39+00 40+00 41+00 42+00

LEGEND

XXXX XXXX XXXX	SAW CUT
SAN	REMOVE SANITARY SEWER
SS	REMOVE STORM SEWER
—x—x—x—	REMOVE FENCE
	SALVAGED GUARD RAIL
	CLEARING AND GRUBBING
	REMOVE MANHOLE
	REMOVE INLET
	REMOVE SIDEWALK
	REMOVE PAVEMENT

PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	REMOVAL PLAN	SHEET 49	E

FILE NAME : F:\TR\JOBS\E1859A08\CIVIL 3D 2012\SHEETSPLAN\46500871_021050_RM.DWG
LAYOUT NAME - 46500871_021058_RM
PLOT DATE : 9/8/2017 12:50 PM PLOT BY : CRAIG KNUTH PLOT NAME : PLOT SCALE : 1 IN:40 FT
46500871_021058_rm
WISDOT/CADDS SHEET 44

2

2

N

IH 41 NB OFF-RAMP

1105+00 1106+00 1107+00 1108+00 1109+00 1110+00

XXXX XXXX XXXX

2

IH 41 NB OFF-RAMP

1115+00
1116+00
1117+00
1118+00
1119+00
1120+00
1121+00
1122+00
1123+00
1124+00
1125+00
924+00
82+00
00+18
83+00

REMOVE CULVERT PIPE

LEGEND

XXXX XXXX XXXX	SAW CUT
SAN	REMOVE SANITARY SEWER
SS	REMOVE STORM SEWER
FO	REMOVE FENCE
	SALVAGED GUARD RAIL
	CLEARING AND GRUBBING
	REMOVE MANHOLE
	REMOVE INLET
	REMOVE SIDEWALK
	REMOVE PAVEMENT

PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	REMOVAL PLAN	SHEET 51	E

FILE NAME : F:\TR\JOBS\E1859A08\CIVIL 3D 2012\SHEETSPLAN\46500871_021050_RM.DWG
LAYOUT NAME - 46500871_021060_RM
46500871_021060_rm
PLOT DATE : 9/8/2017 12:50 PM PLOT BY : CRAIG KNUTH PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44

2

2

1124+00

1125+00

1126+00

1127+00

1127+00

1128+00

IH 41 SB OFF-RAMP

1126+00

1125+00

1124+00

24+00

262+00

91+08

STH 55

93+00

94+00

N

1127+00

1127+00

1128+00

1129+00

1130+00

IH 41 SB OFF-RAMP

1131+00

1132+00

N

FO

LEGEND

XXXX XXXX XXXX SAW CUT

SAN REMOVE SANITARY SEWER

SS REMOVE STORM SEWER

REMOVE FENCE

SALVAGED GUARD RAIL

CLEARING AND GRUBBING

REMOVE MANHOLE

REMOVE INLET

REMOVE SIDEWALK

REMOVE PAVEMENT

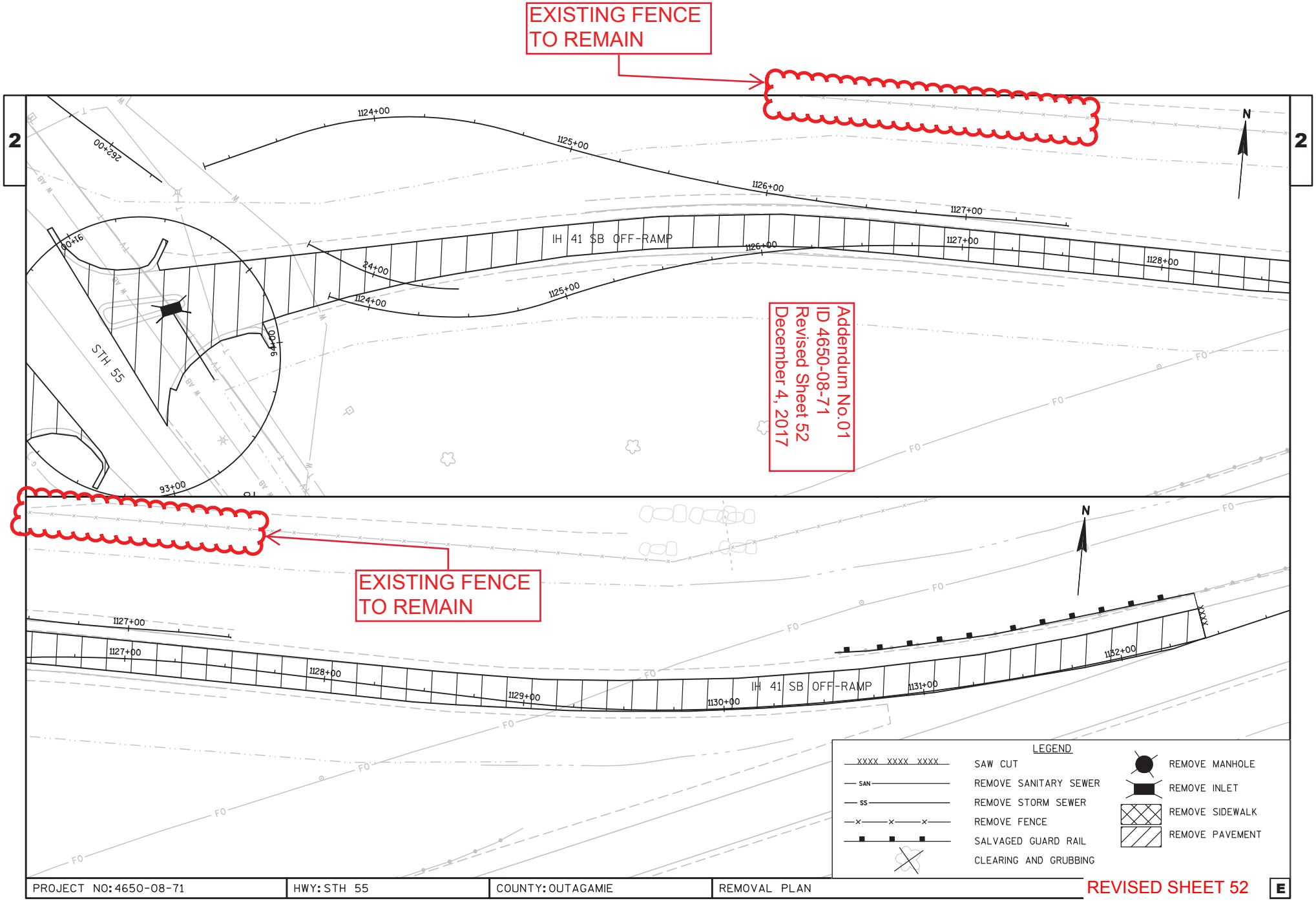
PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	REMOVAL PLAN	SHEET 52	E

FILE NAME : F:\TR\JOBS\E1859A08\CIVIL 3D 2012\SHEETSPLAN\46500871_021050_RM.DWG
LAYOUT NAME - 46500871_021061_RM

PLOT DATE : 9/8/2017 12:51 PM PLOT BY : CRAIG KNUTH PLOT NAME : PLOT SCALE : 1 IN:40 FT

46500871_021061_rm

WISDOT/CADDS SHEET 44



PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	REMOVAL PLAN

REVISED SHEET 52 E

FILE NAME : F:\TR\JOBS\E1859A08\CIVIL 3D 2012\SHEETSPLAN\46500871_021050_RM.DWG
LAYOUT NAME - 4650871_021061_RM

PLOT DATE : 11/28/2017 9:59 AM PLOT BY : ANDREW WESTBROOK PLOT NAME : PLOT SCALE :

2

2

N

1102+00

1103+00

1104+00

IH 41 SB ON-RAMP

1105+00

1106+00

1107+00

INL

F0

LEGEND

XXXX XXXX XXXX	SAW CUT
SAN	REMOVE SANITARY SEWER
SS	REMOVE STORM SEWER
—×—×—×—	REMOVE FENCE
	SALVAGED GUARD RAIL
	CLEARING AND GRUBBING
	REMOVE MANHOLE
	REMOVE INLET
	REMOVE SIDEWALK
	REMOVE PAVEMENT

N

1105+00

1106+00

1107+00

1108+00

IH 41 SB ON-RAMP

1109+00

1110+00

1111+00

F0

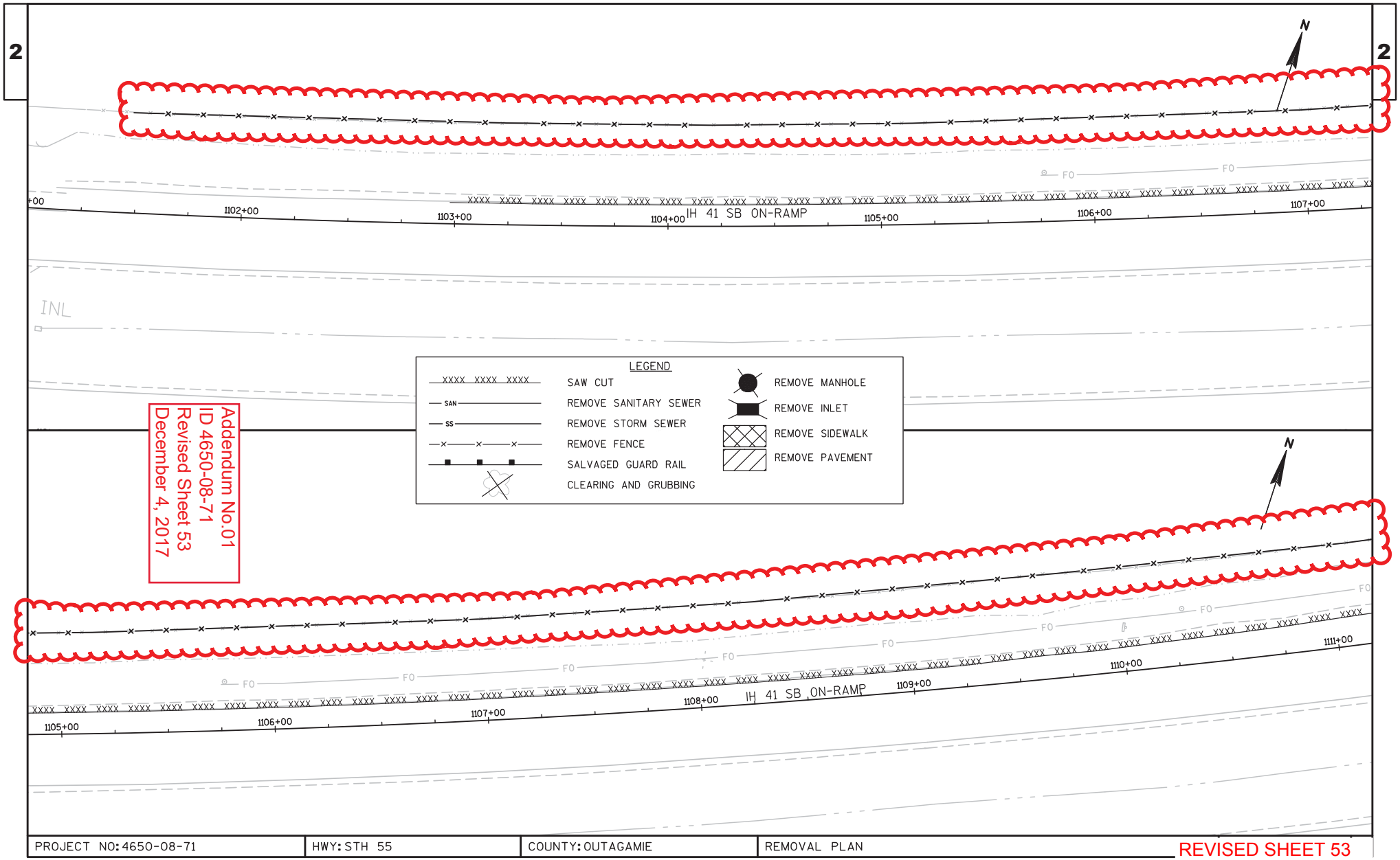
PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	REMOVAL PLAN	SHEET 53	E

FILE NAME : F:\TR\JOBS\E1859A08\CIVIL 3D 2012\SHEETSPLAN\46500871_021050_RM.DWG
LAYOUT NAME - 46500871_021062_RM

PLOT DATE : 9/8/2017 12:51 PM PLOT BY : CRAIG KNUTH PLOT NAME : PLOT SCALE : 1 IN:40 FT

46500871_021062_rm

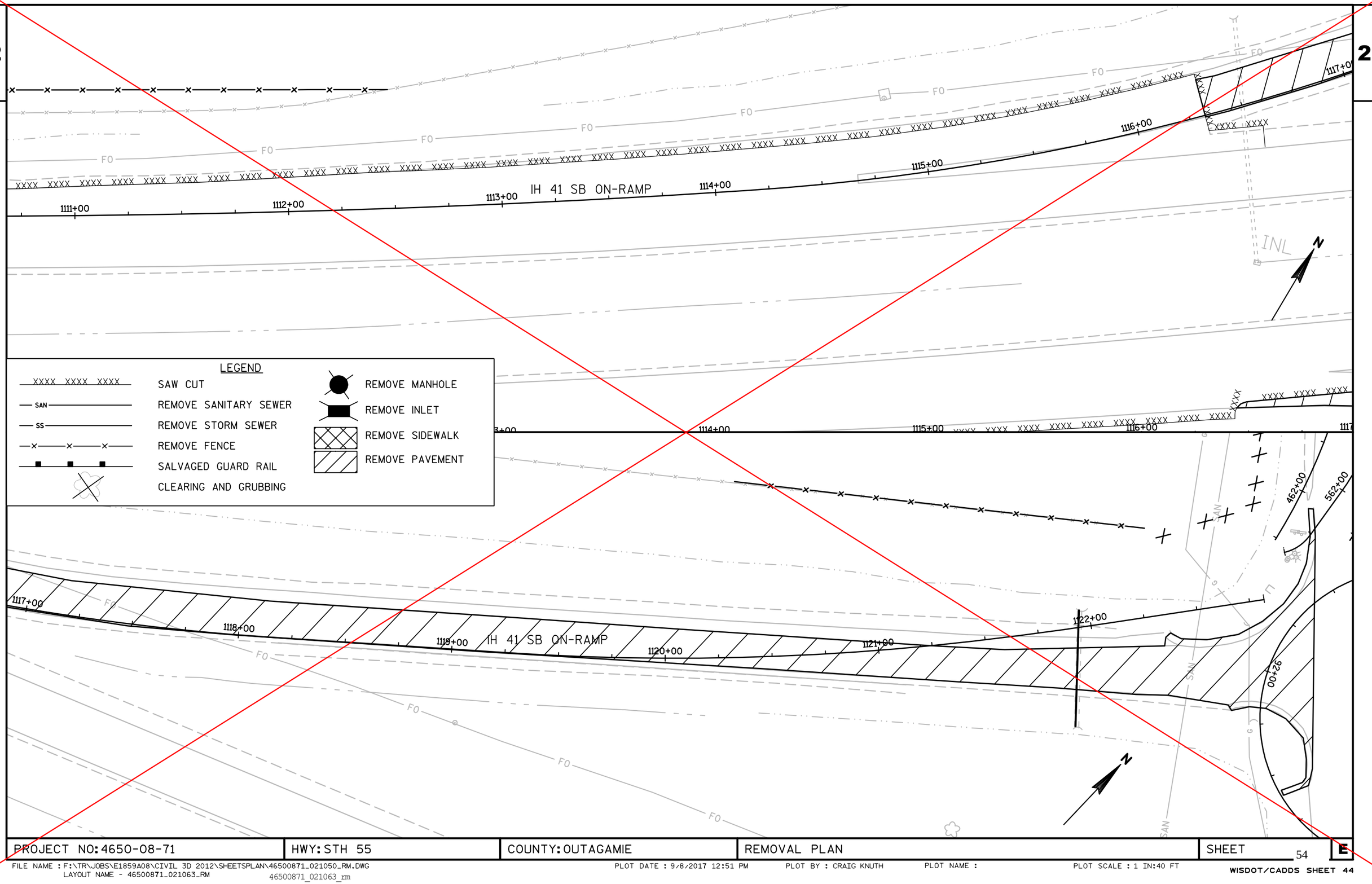
WISDOT/CADDS SHEET 44



PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	REMOVAL PLAN

REVISED SHEET 53

FILE NAME : F:\TR\JOBS\E1859A08\CIVIL 3D 2012\SHEETSPLAN\46500871_021050_RM.DWG
LAYOUT NAME - 4650871_021062_RM
PLOT DATE : 11/28/2017 10:22 AM PLOT BY : ANDREW WESTBROOK PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44



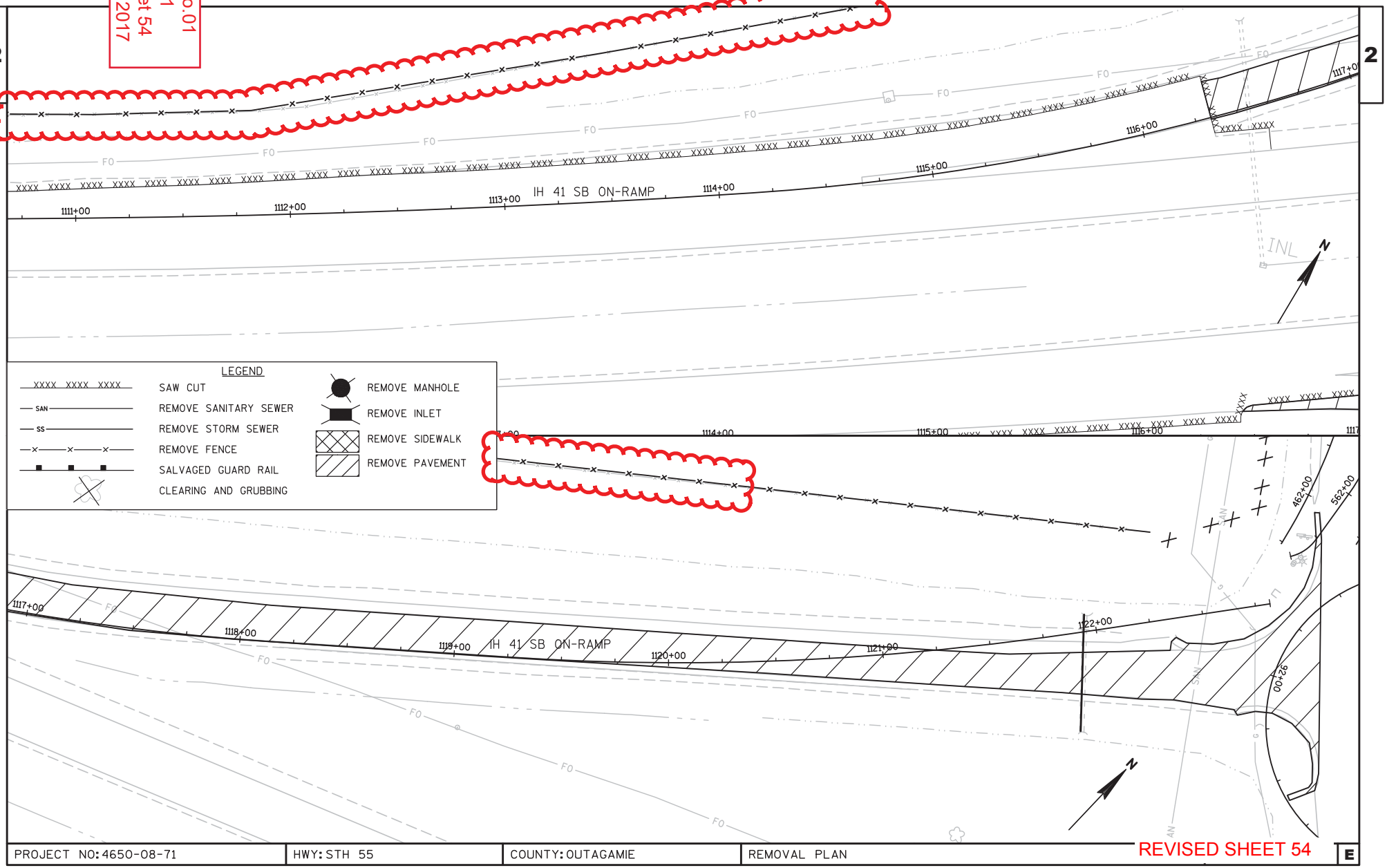
PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	REMOVAL PLAN	SHEET 54 E

FILE NAME : F:\TR\JOBS\E1859A08\CIVIL 3D 2012\SHEETSPLAN\46500871_021050_RM.DWG
LAYOUT NAME - 46500871_021063_RM
46500871_021063_rm

PLOT DATE : 9/8/2017 12:51 PM PLOT BY : CRAIG KNUTH PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

Addendum No.01
ID 4650-08-71
Revised Sheet 54
December 4, 2017

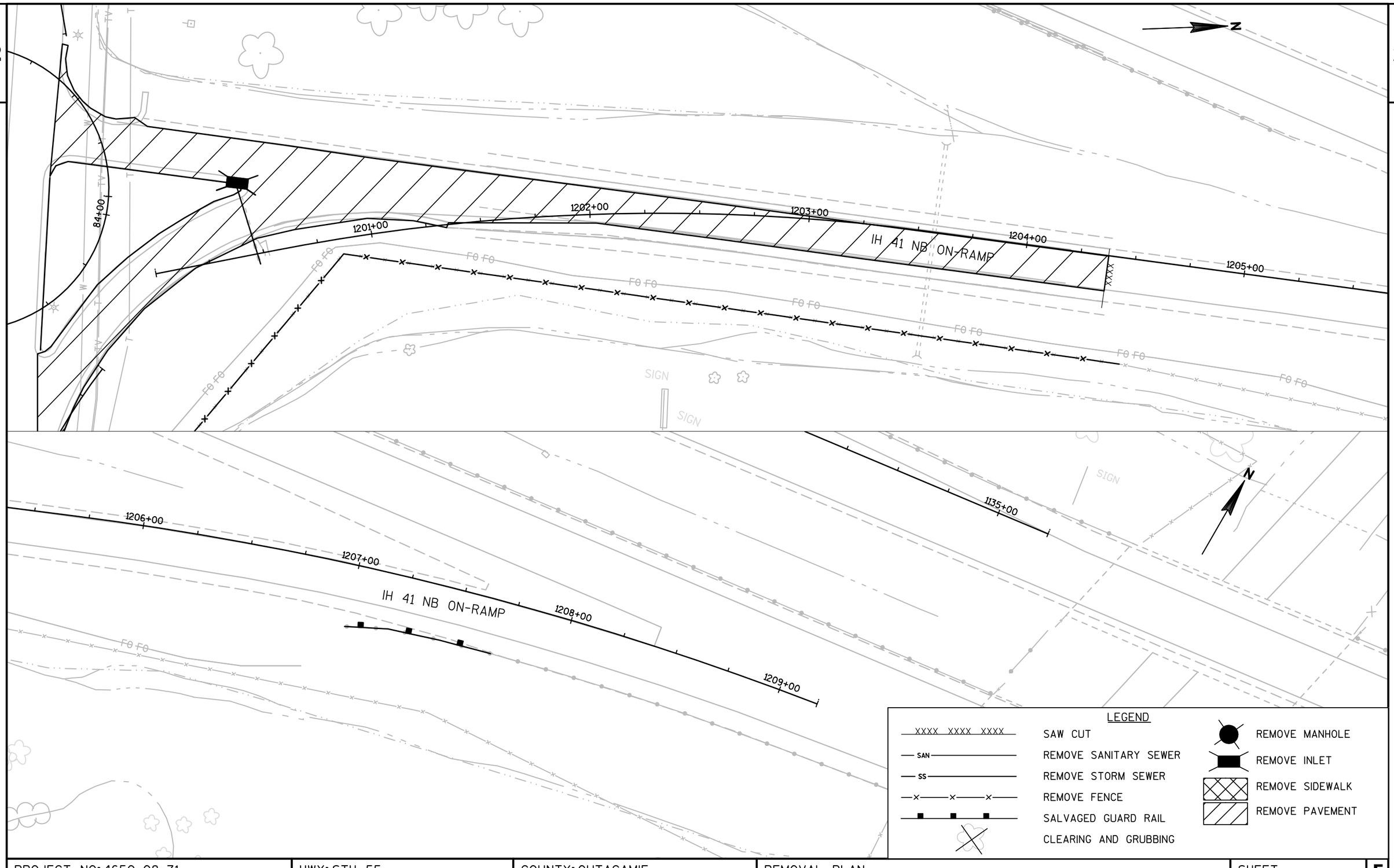


REVISED SHEET 54

PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	REMOVAL PLAN	E

FILE NAME : F:\TR\JOBS\E1859A08\CIVIL 3D 2012\SHEETSPLAN\46500871_021050_RM.DWG
LAYOUT NAME - 4650871_021063_RM
PLOT DATE : 11/28/2017 10:22 AM PLOT BY : ANDREW WESTBROOK PLOT NAME : PLOT SCALE : 1 IN:40 FT

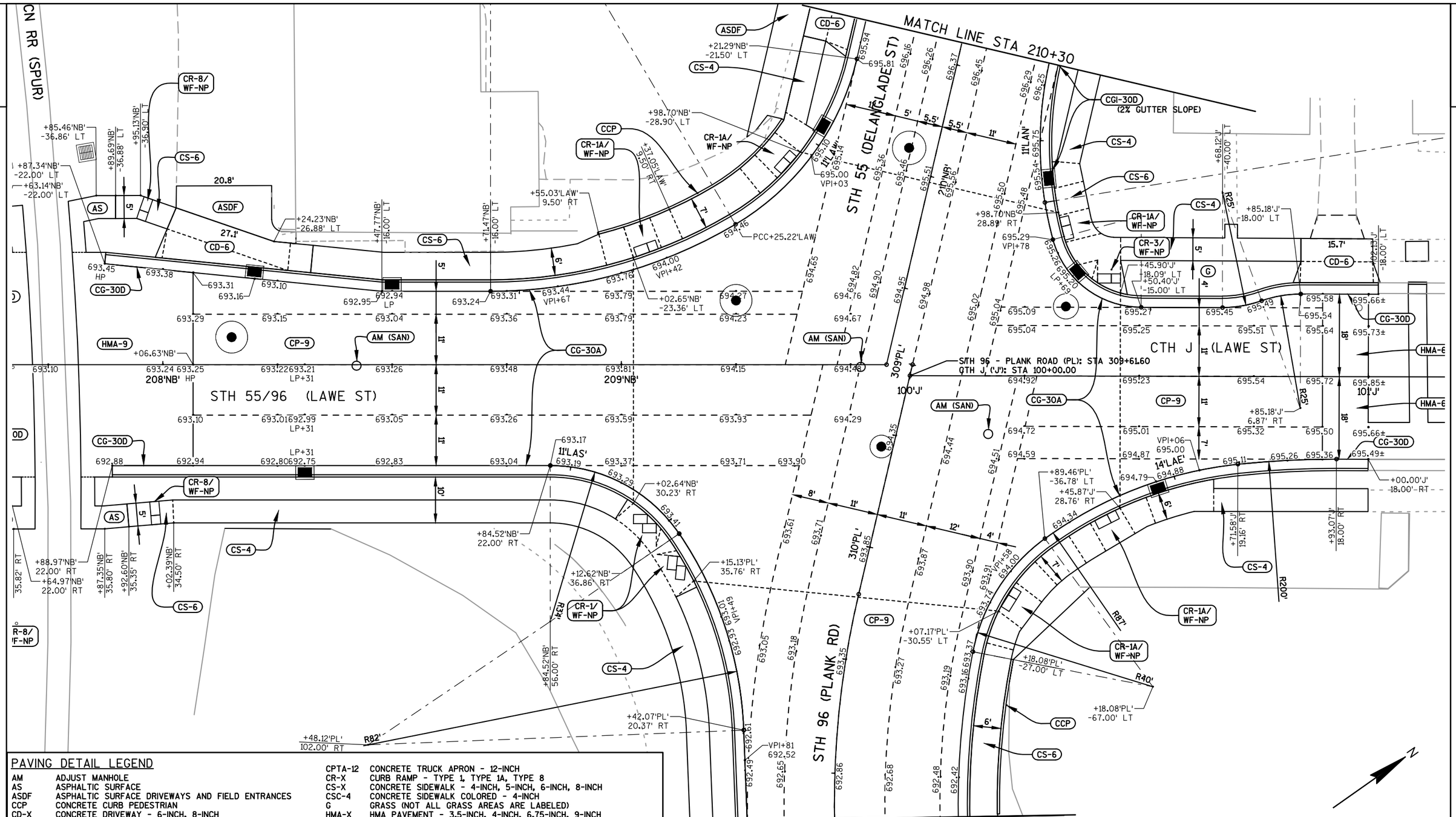
2



PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	REMOVAL PLAN	SHEET 55	E

FILE NAME : F:\TR\JOBS\E1859A08\CIVIL 3D 2012\SHEETSPLAN\46500871_021050_RM.DWG
LAYOUT NAME - 46500871_021064_RM
46500871_021064_rm
PLOT DATE : 9/8/2017 12:52 PM PLOT BY : CRAIG KNUTH PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44

2



PAVING DETAIL LEGEND

AM	ADJUST MANHOLE	CPTA-12	CONCRETE TRUCK APRON - 12-INCH
AS	ASPHALTIC SURFACE	CR-X	CURB RAMP - TYPE 1, TYPE 1A, TYPE 8
ASDF	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES	CS-X	CONCRETE SIDEWALK - 4-INCH, 5-INCH, 6-INCH, 8-INCH
CCP	CONCRETE CURB PEDESTRIAN	CSC-4	CONCRETE SIDEWALK COLORED - 4-INCH
CD-X	CONCRETE DRIVEWAY - 6-INCH, 8-INCH	G	GRASS (NOT ALL GRASS AREAS ARE LABELED)
CGI-18D	CONCRETE CURB & GUTTER INTEGRAL 18-INCH TYPE D	HMA-X	HMA PAVEMENT - 3.5-INCH, 4-INCH, 6.75-INCH, 9-INCH
CG-30A	CONCRETE CURB & GUTTER 30-INCH TYPE A	WF-NP	CURB RAMP DETECTABLE WARNING FIELD NATURAL PATINA
CG-30D	CONCRETE CURB & GUTTER 30-INCH TYPE D	CG-30AM	CONCRETE CURB & GUTTER 30-INCH TYPE A MODIFIED
CG-36A4	CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE A	CGI-36-4M	CONCRETE CURB & GUTTER INTEGRAL 4-INCH SLOPE 36-INCH MODIFIED
CG-36R4	CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE R	CGI-18D	CONCRETE CURB & GUTTER INTEGRAL 18-INCH TYPE D
CMSN-X	CONCRETE MEDIAN SLOPE NOSE - TYPE 1, TYPE 2	CGI-30D	CONCRETE CURB & GUTTER INTEGRAL 30-INCH TYPE D
CP-X	CONCRETE PAVEMENT - 8-INCH, 9-INCH, 9 1/2-INCH	CGI-36R4	CONCRETE CURB & GUTTER INTEGRAL 4-INCH SLOPED 36-INCH TYPE R
CPC-8	CONCRETE PAVEMENT COLORED - 8-INCH		

PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	PAVING DETAILS - LAWE STREET	SHEET 56	E

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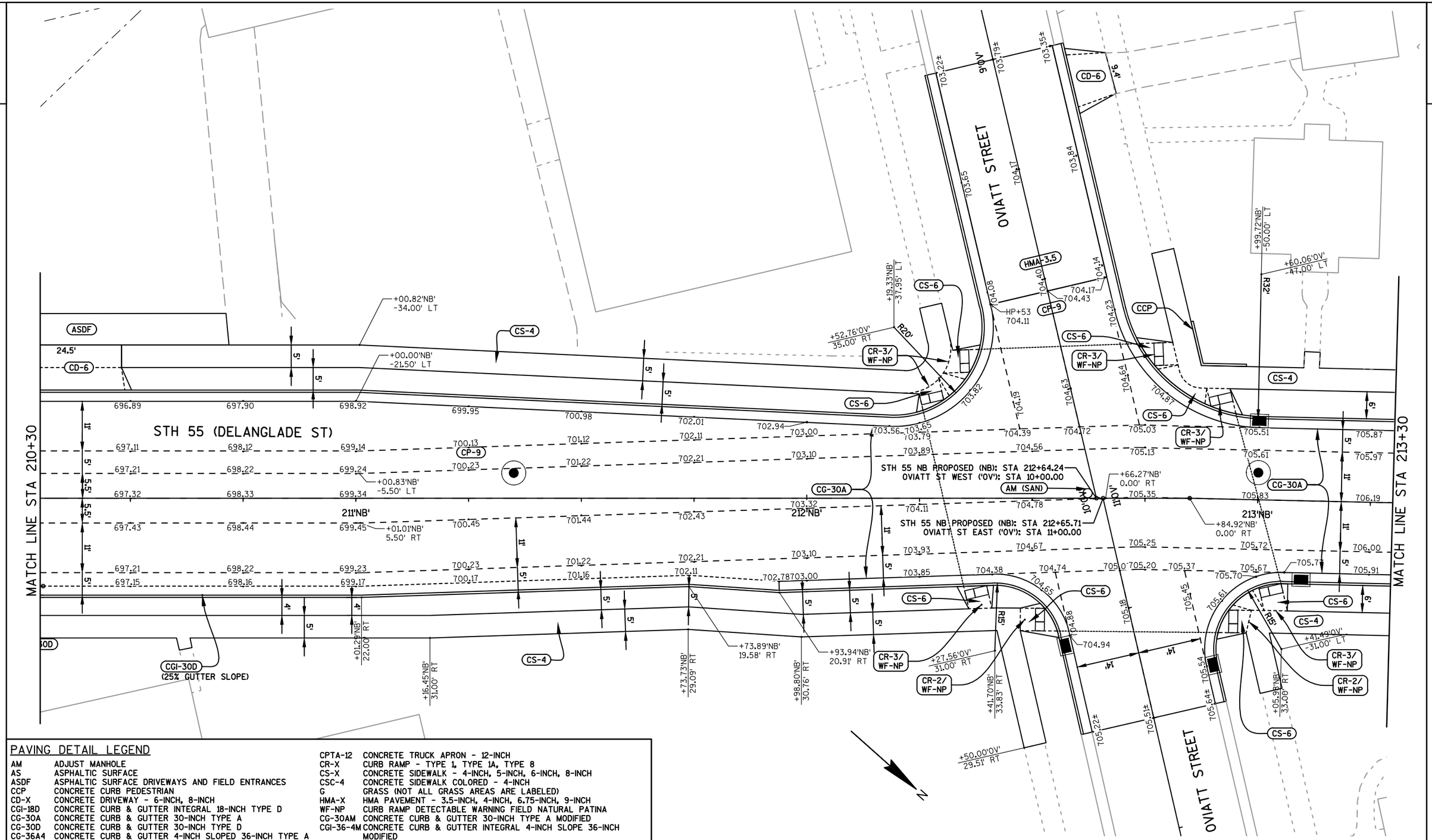

PAVING DETAIL LEGEND

AM	ADJUST MANHOLE
AS	ASPHALTIC SURFACE
ASDF	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES
CCP	CONCRETE CURB PEDESTRIAN
CD-X	CONCRETE DRIVEWAY - 6-INCH, 8-INCH
CGI-18D	CONCRETE CURB & GUTTER INTEGRAL 18-INCH TYPE D
CG-30A	CONCRETE CURB & GUTTER 30-INCH TYPE A
CG-30D	CONCRETE CURB & GUTTER 30-INCH TYPE D
CG-36A4	CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE A
CG-36R4	CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE R
CMSN-X	CONCRETE MEDIAN SLOPE NOSE - TYPE 1, TYPE 2
CP-X	CONCRETE PAVEMENT - 8-INCH, 9-INCH, 9 1/2-INCH
CPC-8	CONCRETE PAVEMENT COLORED - 8-INCH
CPTA-12	CONCRETE TRUCK APRON - 12-INCH
CR-X	CURB RAMP - TYPE 1, TYPE 1A, TYPE 8
CS-X	CONCRETE SIDEWALK - 4-INCH, 5-INCH, 6-INCH, 8-INCH
CSC-4	CONCRETE SIDEWALK COLORED - 4-INCH
G	GRASS (NOT ALL GRASS AREAS ARE LABELED)
HMA-X	HMA PAVEMENT - 3.5-INCH, 4-INCH, 6.75-INCH, 9-INCH
WF-NP	CURB RAMP DETECTABLE WARNING FIELD NATURAL PATINA
CG-30AM	CONCRETE CURB & GUTTER 30-INCH TYPE A MODIFIED
CGI-36-4M	CONCRETE CURB & GUTTER INTEGRAL 4-INCH SLOPE 36-INCH MODIFIED
CGI-18D	CONCRETE CURB & GUTTER INTEGRAL 18-INCH TYPE D
CGI-30D	CONCRETE CURB & GUTTER INTEGRAL 30-INCH TYPE D
CGI-36R4	CONCRETE CURB & GUTTER INTEGRAL 4-INCH SLOPED 36-INCH TYPE R

2

MATCH LINE STA 213+20

MATCH LINE STA 216+30

STH 55 (DELANGLADE ST)

DESNOYER STREET

DESNOYER STREET

CS-6 TYP

CD-6 22.8'

CD-6 17.5'

CS-4

CP-9

CG-30A

CR-2/ WF-NP TYP

CP-8

CCP

AM (SAN)

HP+75.2

STH 55 NB PROPOSED (NB): STA 215+73.75
DESNOYER STREET WEST (DE): STA 20+00.00

STH 55 NB PROPOSED (NB): STA 215+75.26
DESNOYER STREET EAST (DE): STA 21+00.00

214'NB'

215'NB'

216'NB'

+34.27'NB' -33.00' LT

+58.18'DE' 30.00' RT

+96.10'NB' -33.00' LT

+73.77'DE' -30.00' LT

+96.36'NB' -29.50' LT

+26.34'DE' 30.00' RT

+52.76'NB' 33.00' RT

+14.92'NB' 33.00' RT

R65'

R15'

22'DE'

PAVING DETAIL LEGEND

AM	ADJUST MANHOLE
AS	ASPHALTIC SURFACE
ASDF	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES
CCP	CONCRETE CURB PEDESTRIAN
CD-X	CONCRETE DRIVEWAY - 6-INCH, 8-INCH
CGI-18D	CONCRETE CURB & GUTTER INTEGRAL 18-INCH TYPE D
CG-30A	CONCRETE CURB & GUTTER 30-INCH TYPE A
CG-30D	CONCRETE CURB & GUTTER 30-INCH TYPE D
CG-36A4	CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE A
CG-36R4	CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE R
CMSN-X	CONCRETE MEDIAN SLOPE NOSE - TYPE 1, TYPE 2
CP-X	CONCRETE PAVEMENT - 8-INCH, 9-INCH, 9 1/2-INCH
CPC-8	CONCRETE PAVEMENT COLORED - 8-INCH
CPTA-12	CONCRETE TRUCK APRON - 12-INCH
CR-X	CURB RAMP - TYPE 1, TYPE 1A, TYPE 8
CS-X	CONCRETE SIDEWALK - 4-INCH, 5-INCH, 6-INCH, 8-INCH
CSC-4	CONCRETE SIDEWALK COLORED - 4-INCH
G	GRASS (NOT ALL GRASS AREAS ARE LABELED)
HMA-X	HMA PAVEMENT - 3.5-INCH, 4-INCH, 6.75-INCH, 9-INCH
WF-NP	CURB RAMP DETECTABLE WARNING FIELD NATURAL PATINA
CG-30AM	CONCRETE CURB & GUTTER 30-INCH TYPE A MODIFIED
CGI-36-4M	CONCRETE CURB & GUTTER INTEGRAL 4-INCH SLOPE 36-INCH MODIFIED
CGI-18D	CONCRETE CURB & GUTTER INTEGRAL 18-INCH TYPE D
CGI-30D	CONCRETE CURB & GUTTER INTEGRAL 30-INCH TYPE D
CGI-36R4	CONCRETE CURB & GUTTER INTEGRAL 4-INCH SLOPED 36-INCH TYPE R

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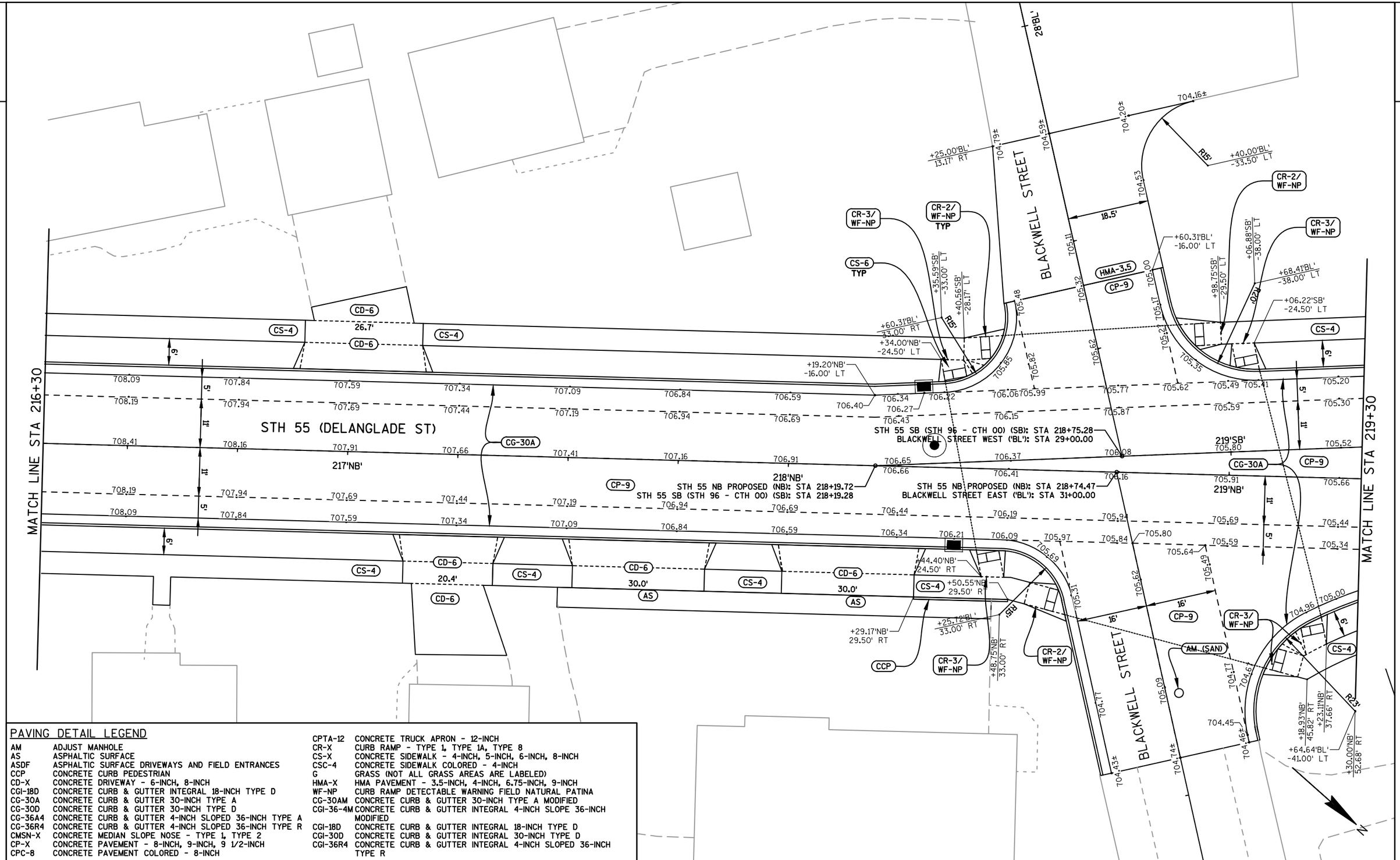

PAVING DETAIL LEGEND

AM	ADJUST MANHOLE
AS	ASPHALTIC SURFACE
ASDF	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES
CCP	CONCRETE CURB PEDESTRIAN
CD-X	CONCRETE DRIVEWAY - 6-INCH, 8-INCH
CGI-18D	CONCRETE CURB & GUTTER INTEGRAL 18-INCH TYPE D
CG-30A	CONCRETE CURB & GUTTER 30-INCH TYPE A
CG-30D	CONCRETE CURB & GUTTER 30-INCH TYPE D
CG-36A4	CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE A
CG-36R4	CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE R
CMSN-X	CONCRETE MEDIAN SLOPE NOSE - TYPE 1, TYPE 2
CP-X	CONCRETE PAVEMENT - 8-INCH, 9-INCH, 9 1/2-INCH
CPC-8	CONCRETE PAVEMENT COLORED - 8-INCH
CPTA-12	CONCRETE TRUCK APRON - 12-INCH
CR-X	CURB RAMP - TYPE 1, TYPE 1A, TYPE 8
CS-X	CONCRETE SIDEWALK - 4-INCH, 5-INCH, 6-INCH, 8-INCH
CSC-4	CONCRETE SIDEWALK COLORED - 4-INCH
G	GRASS (NOT ALL GRASS AREAS ARE LABELED)
HMA-X	HMA PAVEMENT - 3.5-INCH, 4-INCH, 6.75-INCH, 9-INCH
WF-NP	CURB RAMP DETECTABLE WARNING FIELD NATURAL PATINA
CG-30AM	CONCRETE CURB & GUTTER 30-INCH TYPE A MODIFIED
CGI-36-4M	CONCRETE CURB & GUTTER INTEGRAL 4-INCH SLOPE 36-INCH MODIFIED
CGI-18D	CONCRETE CURB & GUTTER INTEGRAL 18-INCH TYPE D
CGI-30D	CONCRETE CURB & GUTTER INTEGRAL 30-INCH TYPE D
CGI-36R4	CONCRETE CURB & GUTTER INTEGRAL 4-INCH SLOPED 36-INCH TYPE R

PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	PAVING DETAILS	SHEET 59	E

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PLOT BY : OMNNI ASSOCIATES, INC - CRAIG KNUTH

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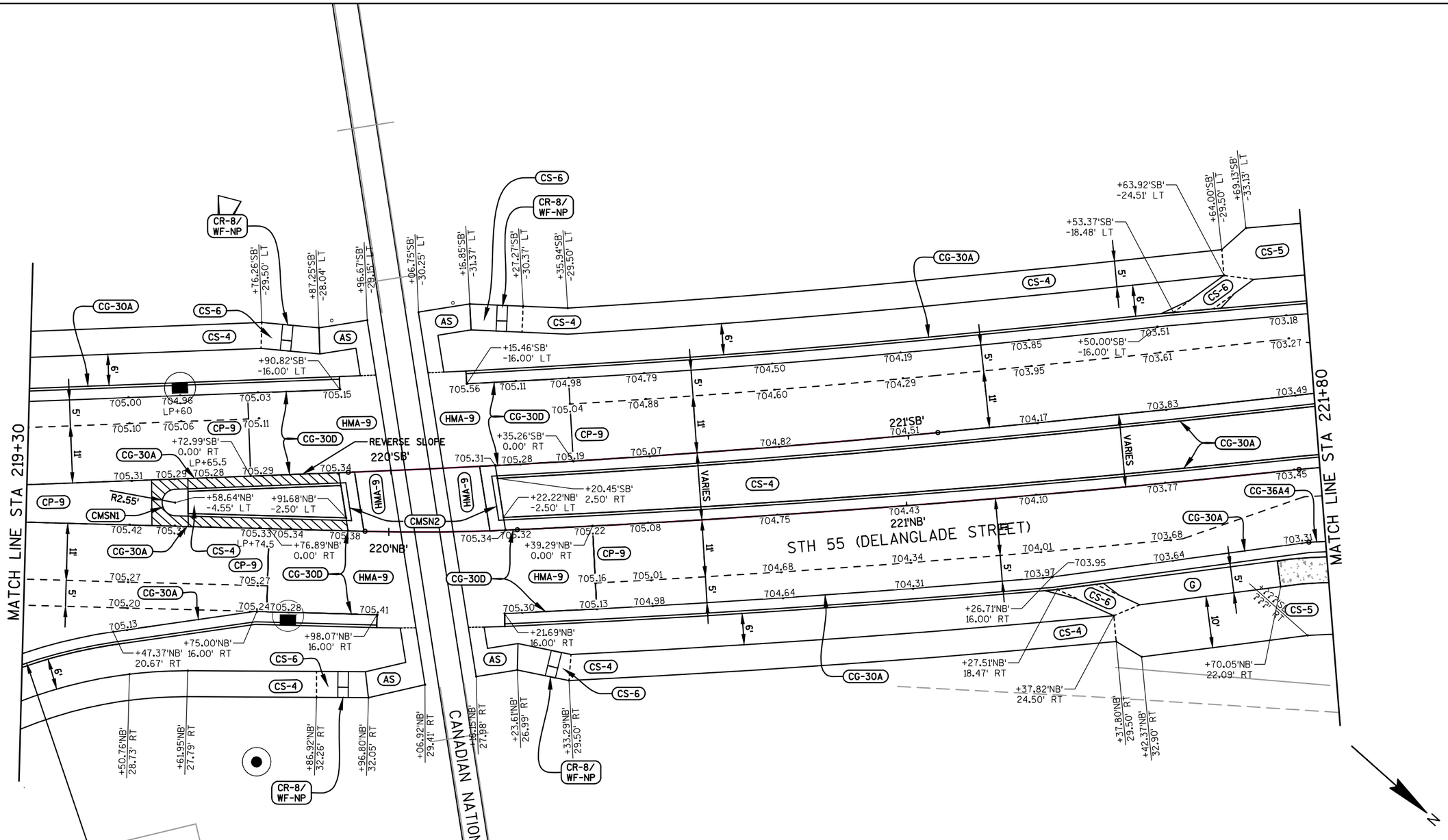

PAVING DETAIL LEGEND

AM	ADJUST MANHOLE
AS	ASPHALTIC SURFACE
ASDF	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES
CCP	CONCRETE CURB PEDESTRIAN
CD-X	CONCRETE DRIVEWAY - 6-INCH, 8-INCH
CGI-18D	CONCRETE CURB & GUTTER INTEGRAL 18-INCH TYPE D
CG-30A	CONCRETE CURB & GUTTER 30-INCH TYPE A
CG-30D	CONCRETE CURB & GUTTER 30-INCH TYPE D
CG-36A4	CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE A
CG-36R4	CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE R
CMSN-X	CONCRETE MEDIAN SLOPE NOSE - TYPE 1, TYPE 2
CP-X	CONCRETE PAVEMENT - 8-INCH, 9-INCH, 9 1/2-INCH
CPC-8	CONCRETE PAVEMENT COLORED - 8-INCH
CPTA-12	CONCRETE TRUCK APRON - 12-INCH
CR-X	CURB RAMP - TYPE 1, TYPE 1A, TYPE 8
CS-X	CONCRETE SIDEWALK - 4-INCH, 5-INCH, 6-INCH, 8-INCH
CSC-4	CONCRETE SIDEWALK COLORED - 4-INCH
G	GRASS (NOT ALL GRASS AREAS ARE LABELED)
HMA-X	HMA PAVEMENT - 3.5-INCH, 4-INCH, 6.75-INCH, 9-INCH
WF-NP	CURB RAMP DETECTABLE WARNING FIELD NATURAL PATINA
CG-30AM	CONCRETE CURB & GUTTER 30-INCH TYPE A MODIFIED
CGI-36-4M	CONCRETE CURB & GUTTER INTEGRAL 4-INCH SLOPE 36-INCH MODIFIED
CGI-18D	CONCRETE CURB & GUTTER INTEGRAL 18-INCH TYPE D
CGI-30D	CONCRETE CURB & GUTTER INTEGRAL 30-INCH TYPE D
CGI-36R4	CONCRETE CURB & GUTTER INTEGRAL 4-INCH SLOPED 36-INCH TYPE R

PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	PAVING DETAILS	SHEET 60	E

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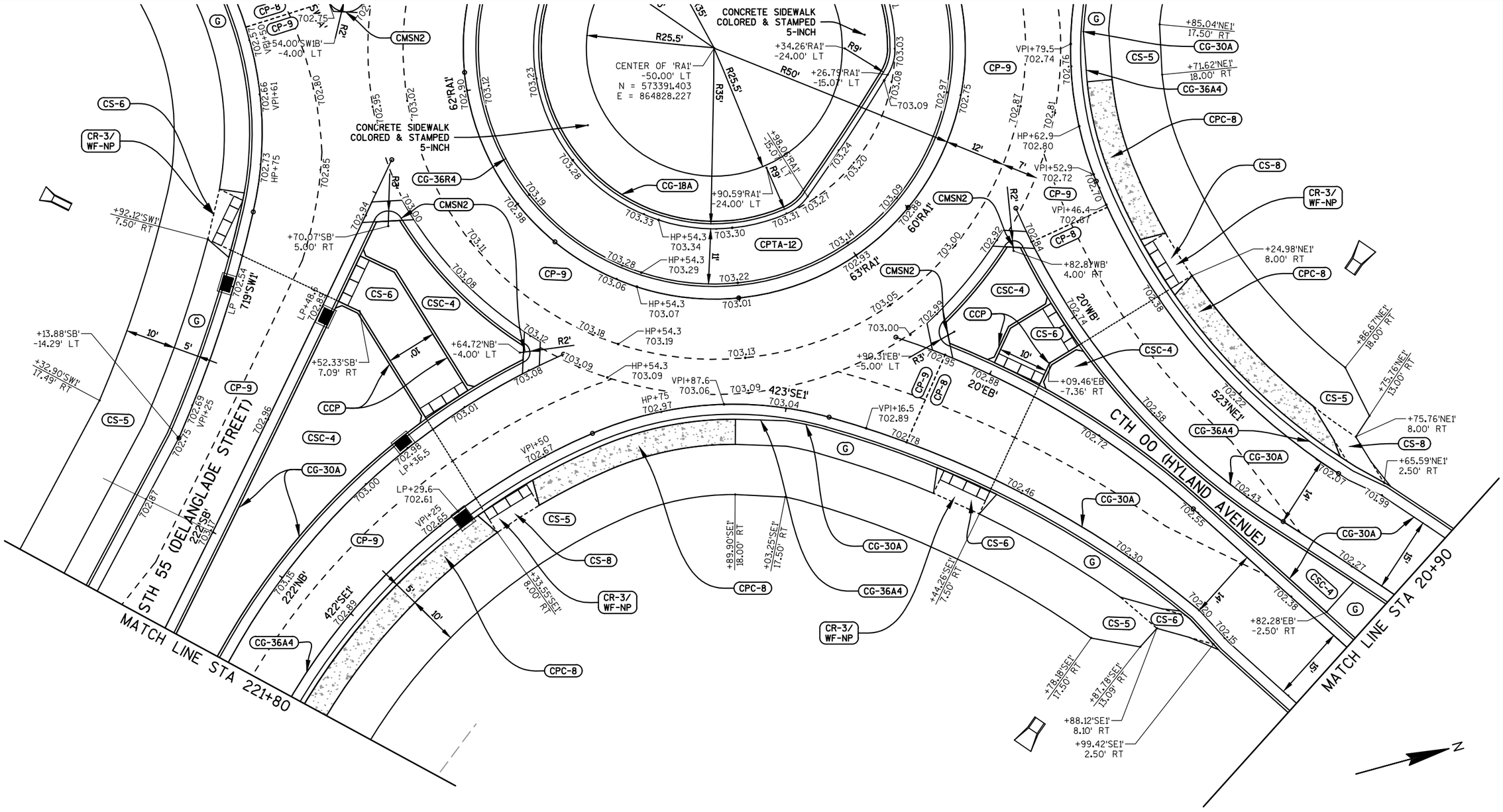

PAVING DETAIL LEGEND

AM	ADJUST MANHOLE	CPTA-12	CONCRETE TRUCK APRON - 12-INCH
AS	ASPHALTIC SURFACE	CR-X	CURB RAMP - TYPE 1, 1A, 4A1, 4B1, 8
ASDF	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES	CS-X	CONCRETE SIDEWALK - 4-INCH, 5-INCH, 6-INCH, 8-INCH
CCP	CONCRETE CURB PEDESTRIAN	CSC-4	CONCRETE SIDEWALK COLORED - 4-INCH
CD-X	CONCRETE DRIVEWAY - 6-INCH, 8-INCH	G	GRASS (NOT ALL GRASS AREAS ARE LABELED)
CGI-18D	CONCRETE CURB & GUTTER INTEGRAL 18-INCH TYPE D	HMA-X	HMA PAVEMENT - 3.5-INCH, 4-INCH, 6.75-INCH, 9-INCH
CG-30A	CONCRETE CURB & GUTTER 30-INCH TYPE A	WF-NP	CURB RAMP DETECTABLE WARNING FIELD NATURAL PATINA
CG-30D	CONCRETE CURB & GUTTER 30-INCH TYPE D	CG-30AM	CONCRETE CURB & GUTTER 30-INCH TYPE A MODIFIED
CG-36A4	CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE A	CGI-36-4M	CONCRETE CURB & GUTTER INTEGRAL 4-INCH SLOPE 36-INCH MODIFIED
CG-36R4	CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE R	CGI-18D	CONCRETE CURB & GUTTER INTEGRAL 18-INCH TYPE D
CMSN-X	CONCRETE MEDIAN SLOPE NOSE - TYPE 1, TYPE 2	CGI-30D	CONCRETE CURB & GUTTER INTEGRAL 30-INCH TYPE D
CP-X	CONCRETE PAVEMENT - 8-INCH, 9-INCH, 9 1/2-INCH	CGI-36R4	CONCRETE CURB & GUTTER INTEGRAL 4-INCH SLOPED 36-INCH TYPE R
CPC-8	CONCRETE PAVEMENT COLORED - 8-INCH		

PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	PAVING DETAILS - CTH OO ROUNDABOUT EAST	SHEET 61	E

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PLOT DATE : 9/11/2017 11:14 AM PLOT BY : OMNNI ASSOCIATES, INC - CRAIG KNUTH

PAVING DETAIL LEGEND

AM	ADJUST MANHOLE	CPTA-12	CONCRETE TRUCK APRON - 12-INCH
AS	ASPHALTIC SURFACE	CR-X	CURB RAMP - TYPE 1, 1A, 4A1, 4B1, 8
ASDF	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES	CS-X	CONCRETE SIDEWALK - 4-INCH, 5-INCH, 6-INCH, 8-INCH
CCP	CONCRETE CURB PEDESTRIAN	CSC-4	CONCRETE SIDEWALK COLORED - 4-INCH
CD-X	CONCRETE DRIVEWAY - 6-INCH, 8-INCH	G	GRASS (NOT ALL GRASS AREAS ARE LABELED)
CGI-18D	CONCRETE CURB & GUTTER INTEGRAL 18-INCH TYPE D	HMA-X	HMA PAVEMENT - 3.5-INCH, 4-INCH, 6.75-INCH, 9-INCH
CG-30A	CONCRETE CURB & GUTTER 30-INCH TYPE A	WF-NP	CURB RAMP DETECTABLE WARNING FIELD NATURAL PATINA
CG-30D	CONCRETE CURB & GUTTER 30-INCH TYPE D	CG-30AM	CONCRETE CURB & GUTTER 30-INCH TYPE A MODIFIED
CG-36A4	CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE A	CGI-36-4M	CONCRETE CURB & GUTTER INTEGRAL 4-INCH SLOPE 36-INCH MODIFIED
CG-36R4	CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE R	CGI-18D	CONCRETE CURB & GUTTER INTEGRAL 18-INCH TYPE D
CMSN-X	CONCRETE MEDIAN SLOPE NOSE - TYPE 1, TYPE 2	CGI-30D	CONCRETE CURB & GUTTER INTEGRAL 30-INCH TYPE D
CP-X	CONCRETE PAVEMENT - 8-INCH, 9-INCH, 9 1/2-INCH	CGI-36R4	CONCRETE CURB & GUTTER INTEGRAL 4-INCH SLOPED 36-INCH TYPE R
CPC-8	CONCRETE PAVEMENT COLORED - 8-INCH		

MATCH LINE STA 17+10

MATCH LINE STA 225+10

CTH OO (HYLAND AVENUE)

STH 55 (DELANGLADE STREET)

CONCRETE SIDEWALK COLORED & STAMPED 5-INCH

CENTER OF 'RA1'
-50.00' LT
N = 573391.403
E = 864828.227

PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	PAVING DETAILS - CTH OO ROUNDABOUT WEST	SHEET 62 E

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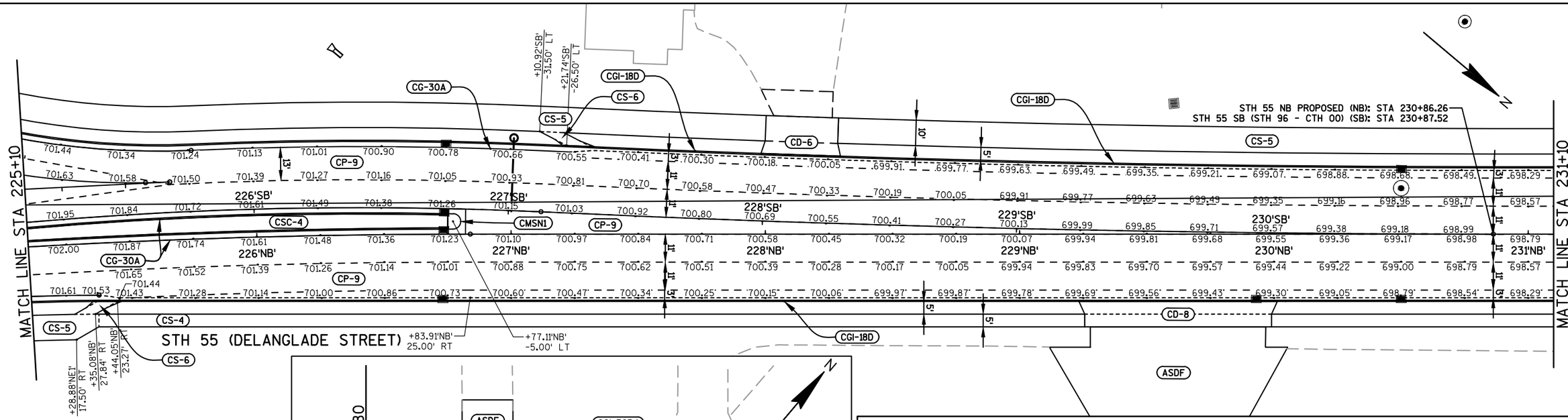
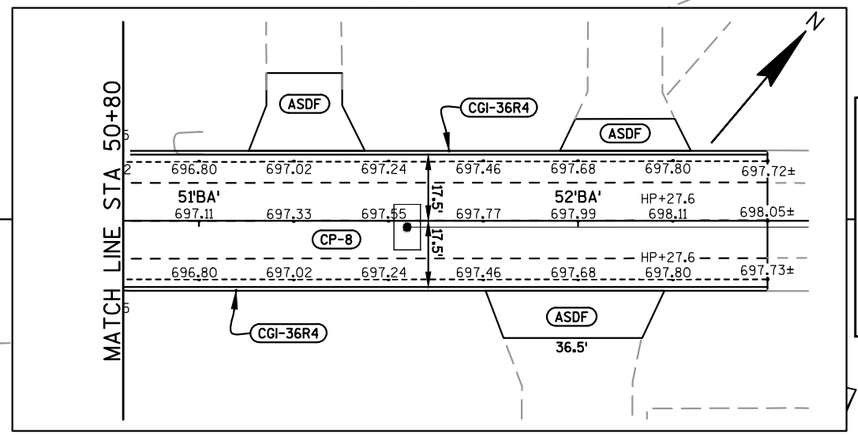
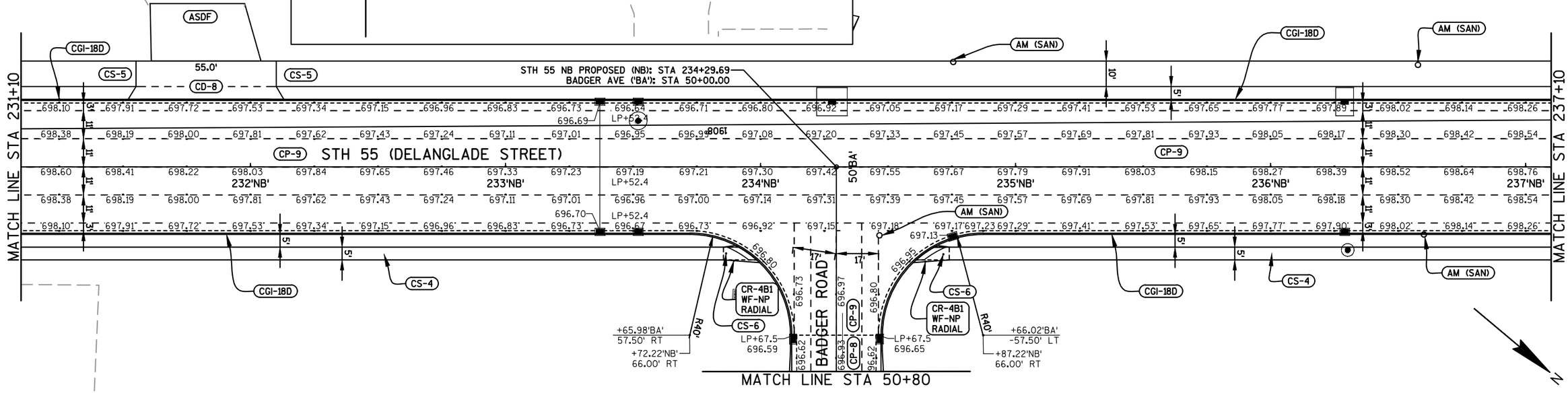


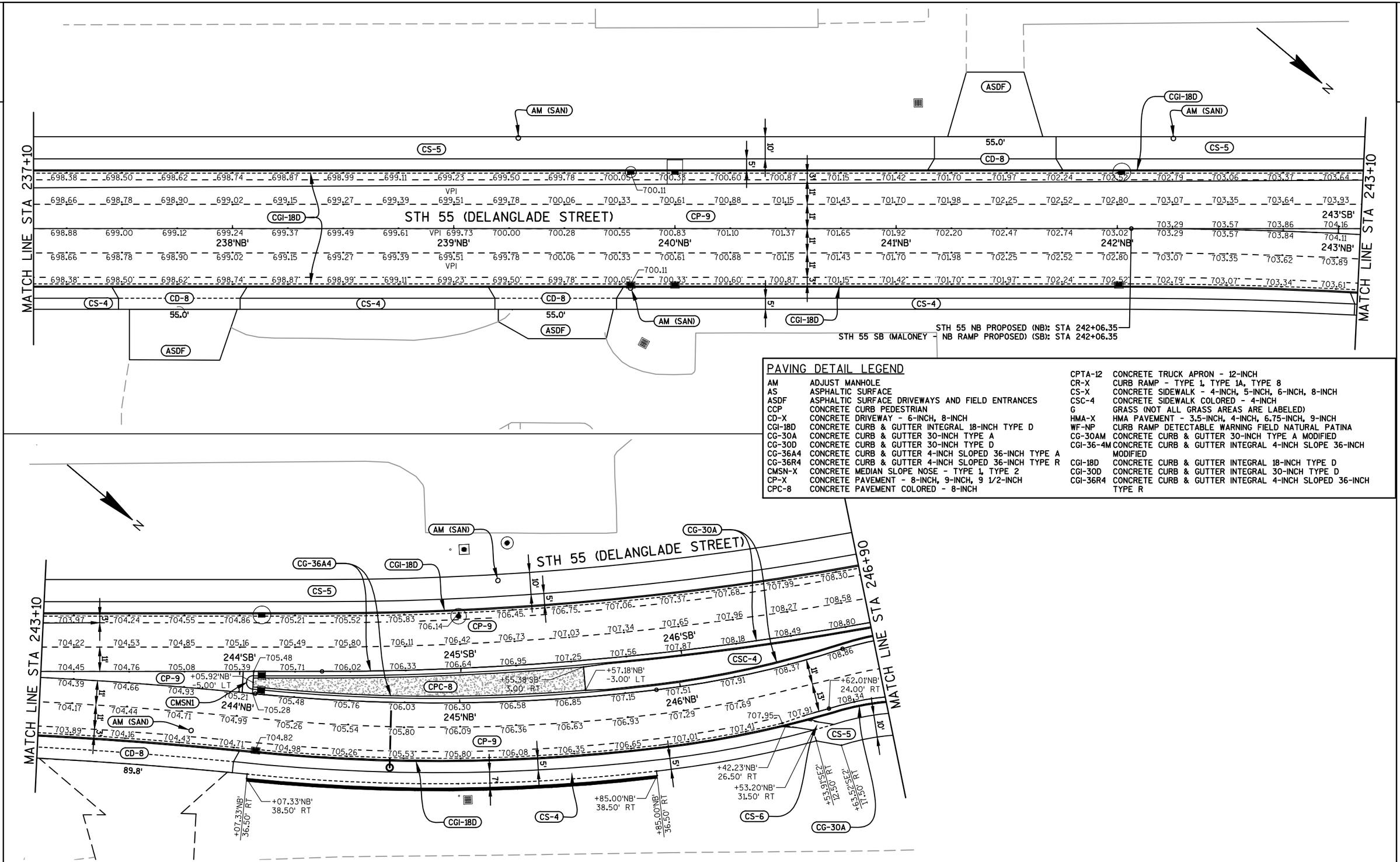


PAVING DETAIL LEGEND

AM	ADJUST MANHOLE	CPTA-12	CONCRETE TRUCK APRON - 12-INCH
AS	ASPHALTIC SURFACE	CR-X	CURB RAMP - TYPE 1, 1A, 4A1, 4B1, 8
ASDF	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES	CS-X	CONCRETE SIDEWALK - 4-INCH, 5-INCH, 6-INCH, 8-INCH
CCP	CONCRETE CURB PEDESTRIAN	CSC-4	CONCRETE SIDEWALK COLORED - 4-INCH
CD-X	CONCRETE DRIVEWAY - 6-INCH, 8-INCH	G	GRASS (NOT ALL GRASS AREAS ARE LABELED)
CGI-18D	CONCRETE CURB & GUTTER INTEGRAL 18-INCH TYPE D	HMA-X	HMA PAVEMENT - 3.5-INCH, 4-INCH, 6.75-INCH, 9-INCH
CG-30A	CONCRETE CURB & GUTTER 30-INCH TYPE A	WF-NP	CURB RAMP DETECTABLE WARNING FIELD NATURAL PATINA
CG-30D	CONCRETE CURB & GUTTER 30-INCH TYPE D	CG-30AM	CONCRETE CURB & GUTTER 30-INCH TYPE A MODIFIED
CG-36A4	CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE A	CGI-36-4M	CONCRETE CURB & GUTTER INTEGRAL 4-INCH SLOPE 36-INCH MODIFIED
CG-36R4	CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE R	CGI-18D	CONCRETE CURB & GUTTER INTEGRAL 18-INCH TYPE D
CMSN-X	CONCRETE MEDIAN SLOPE NOSE - TYPE 1, TYPE 2	CGI-30D	CONCRETE CURB & GUTTER INTEGRAL 30-INCH TYPE D
CP-X	CONCRETE PAVEMENT - 8-INCH, 9-INCH, 9 1/2-INCH	CGI-36R4	CONCRETE CURB & GUTTER INTEGRAL 4-INCH SLOPED 36-INCH TYPE R
CPC-8	CONCRETE PAVEMENT COLORED - 8-INCH		



PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	PAVING DETAILS	SHEET 63	E

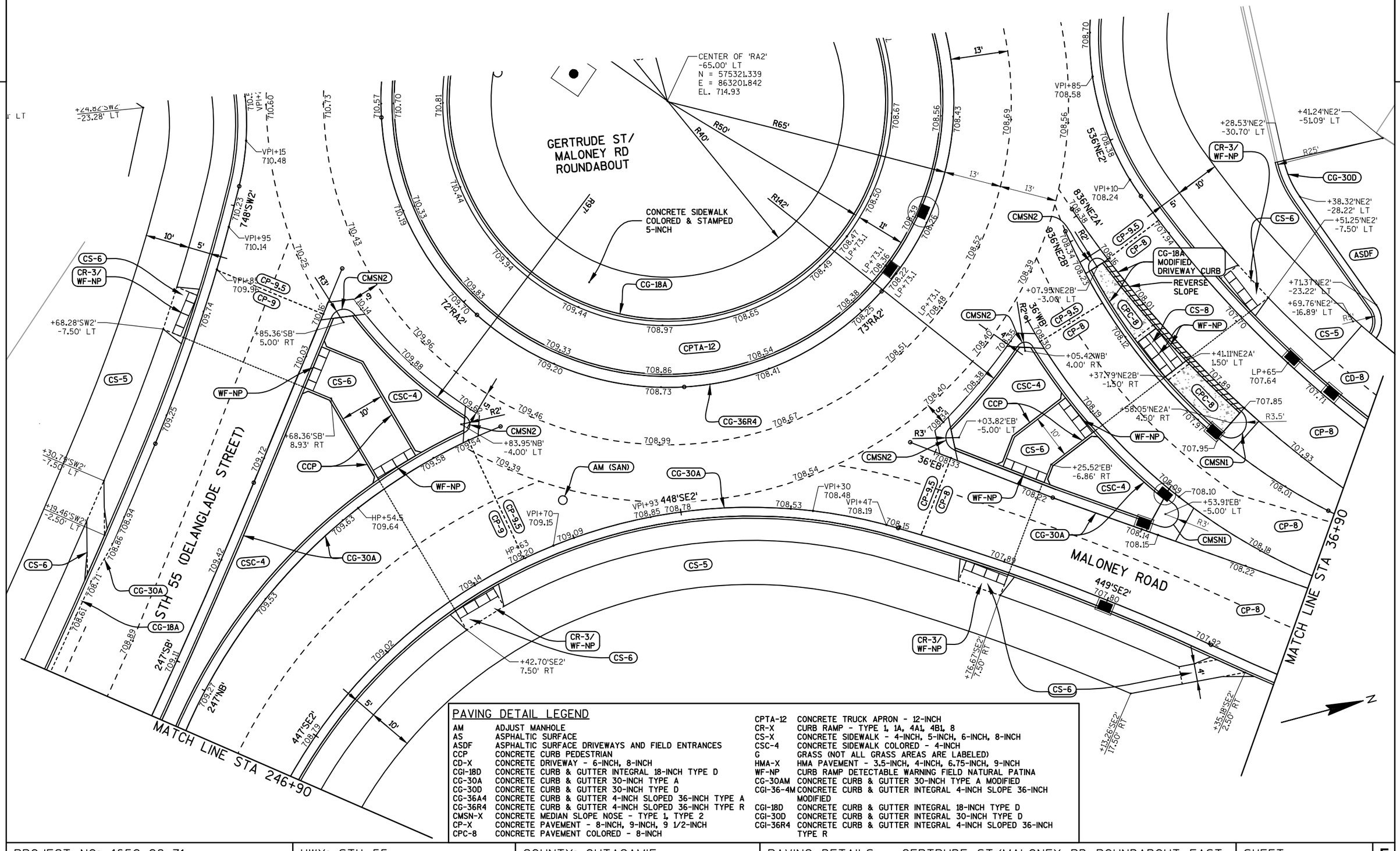


PAVING DETAIL LEGEND

AM	ADJUST MANHOLE	CPTA-12	CONCRETE TRUCK APRON - 12-INCH
AS	ASPHALTIC SURFACE	CR-X	CURB RAMP - TYPE 1, TYPE 1A, TYPE 8
ASDF	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES	CS-X	CONCRETE SIDEWALK - 4-INCH, 5-INCH, 6-INCH, 8-INCH
CCP	CONCRETE CURB PEDESTRIAN	CSC-4	CONCRETE SIDEWALK COLORED - 4-INCH
CD-X	CONCRETE DRIVEWAY - 6-INCH, 8-INCH	G	GRASS (NOT ALL GRASS AREAS ARE LABELED)
CGI-18D	CONCRETE CURB & GUTTER INTEGRAL 18-INCH TYPE D	HMA-X	HMA PAVEMENT - 3.5-INCH, 4-INCH, 6.75-INCH, 9-INCH
CG-30A	CONCRETE CURB & GUTTER 30-INCH TYPE A	WF-NP	CURB RAMP DETECTABLE WARNING FIELD NATURAL PATINA
CG-30D	CONCRETE CURB & GUTTER 30-INCH TYPE D	CG-30AM	CONCRETE CURB & GUTTER 30-INCH TYPE A MODIFIED
CG-36A4	CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE A	CGI-36-4M	CONCRETE CURB & GUTTER INTEGRAL 4-INCH SLOPE 36-INCH MODIFIED
CG-36R4	CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE R	CGI-18D	CONCRETE CURB & GUTTER INTEGRAL 18-INCH TYPE D
CMSN-X	CONCRETE MEDIAN SLOPE NOSE - TYPE 1, TYPE 2	CGI-30D	CONCRETE CURB & GUTTER INTEGRAL 30-INCH TYPE D
CP-X	CONCRETE PAVEMENT - 8-INCH, 9-INCH, 9 1/2-INCH	CGI-36R4	CONCRETE CURB & GUTTER INTEGRAL 4-INCH SLOPED 36-INCH TYPE R
CPC-8	CONCRETE PAVEMENT COLORED - 8-INCH		

PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	PAVING DETAILS	SHEET 64	E

2



PAVING DETAIL LEGEND

AM	ADJUST MANHOLE	CPTA-12	CONCRETE TRUCK APRON - 12-INCH
AS	ASPHALTIC SURFACE	CR-X	CURB RAMP - TYPE 1, 1A, 4A1, 4B1, 8
ASDF	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES	CS-X	CONCRETE SIDEWALK - 4-INCH, 5-INCH, 6-INCH, 8-INCH
CCP	CONCRETE CURB PEDESTRIAN	CSC-4	CONCRETE SIDEWALK COLORED - 4-INCH
CD-X	CONCRETE DRIVEWAY - 6-INCH, 8-INCH	G	GRASS (NOT ALL GRASS AREAS ARE LABELED)
CGI-18D	CONCRETE CURB & GUTTER INTEGRAL 18-INCH TYPE D	HMA-X	HMA PAVEMENT - 3.5-INCH, 4-INCH, 6.75-INCH, 9-INCH
CG-30A	CONCRETE CURB & GUTTER 30-INCH TYPE A	WF-NP	CURB RAMP DETECTABLE WARNING FIELD NATURAL PATINA
CG-30D	CONCRETE CURB & GUTTER 30-INCH TYPE D	CG-30AM	CONCRETE CURB & GUTTER 30-INCH TYPE A MODIFIED
CG-36A4	CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE A	CGI-36-4M	CONCRETE CURB & GUTTER INTEGRAL 4-INCH SLOPE 36-INCH MODIFIED
CG-36R4	CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE R	CGI-18D	CONCRETE CURB & GUTTER INTEGRAL 18-INCH TYPE D
CMSN-X	CONCRETE MEDIAN SLOPE NOSE - TYPE 1, TYPE 2	CGI-30D	CONCRETE CURB & GUTTER INTEGRAL 30-INCH TYPE D
CP-X	CONCRETE PAVEMENT - 8-INCH, 9-INCH, 9 1/2-INCH	CGI-36R4	CONCRETE CURB & GUTTER INTEGRAL 4-INCH SLOPED 36-INCH TYPE R
CPC-8	CONCRETE PAVEMENT COLORED - 8-INCH		

PAVING DETAIL LEGEND

AM	ADJUST MANHOLE
AS	ASPHALTIC SURFACE
ASDF	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES
CCP	CONCRETE CURB PEDESTRIAN
CD-X	CONCRETE DRIVEWAY - 6-INCH, 8-INCH
CGI-18D	CONCRETE CURB & GUTTER INTEGRAL 18-INCH TYPE D
CG-30A	CONCRETE CURB & GUTTER 30-INCH TYPE A
CG-30D	CONCRETE CURB & GUTTER 30-INCH TYPE D
CG-36A4	CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE A
CG-36R4	CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE R
CMSN-X	CONCRETE MEDIAN SLOPE NOSE - TYPE 1, TYPE 2
CP-X	CONCRETE PAVEMENT - 8-INCH, 9-INCH, 9 1/2-INCH
CPC-8	CONCRETE PAVEMENT COLORED - 8-INCH
CPTA-12	CONCRETE TRUCK APRON - 12-INCH
CR-X	CURB RAMP - TYPE 1, 1A, 4A1, 4B1, 8
CS-X	CONCRETE SIDEWALK - 4-INCH, 5-INCH, 6-INCH, 8-INCH
CSC-4	CONCRETE SIDEWALK COLORED - 4-INCH
G	GRASS (NOT ALL GRASS AREAS ARE LABELED)
HMA-X	HMA PAVEMENT - 3.5-INCH, 4-INCH, 6.75-INCH, 9-INCH
WF-NP	CURB RAMP DETECTABLE WARNING FIELD NATURAL PATINA
CG-30AM	CONCRETE CURB & GUTTER 30-INCH TYPE A MODIFIED
CGI-36-4M	CONCRETE CURB & GUTTER INTEGRAL 4-INCH SLOPE 36-INCH MODIFIED
CGI-18D	CONCRETE CURB & GUTTER INTEGRAL 18-INCH TYPE D
CGI-30D	CONCRETE CURB & GUTTER INTEGRAL 30-INCH TYPE D
CGI-36R4	CONCRETE CURB & GUTTER INTEGRAL 4-INCH SLOPED 36-INCH TYPE R

MATCH LINE STA 33+30

MATCH LINE STA 250+20

N

CONCRETE SIDEWALK COLORED & STAMPED 5-INCH

CENTER OF 'RA2'
-65.00' LT
N = 575321.339
E = 863201.842
EL. 714.93

GERTRUDE ST/
MALONEY RD
ROUNDABOUT

Addendum No.01
ID 4650-08-71
Revised Sheet 66
December 4, 2017

PAVING DETAIL LEGEND

AM	ADJUST MANHOLE
AS	ASPHALTIC SURFACE
ASDF	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES
CCP	CONCRETE CURB PEDESTRIAN
CD-X	CONCRETE DRIVEWAY - 6-INCH, 8-INCH
CGI-18D	CONCRETE CURB & GUTTER INTEGRAL 18-INCH TYPE D
CG-30A	CONCRETE CURB & GUTTER 30-INCH TYPE A
CG-30D	CONCRETE CURB & GUTTER 30-INCH TYPE D
CG-36A4	CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE A
CG-36R4	CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE R
CMSN-X	CONCRETE MEDIAN SLOPE NOSE - TYPE 1, TYPE 2
CP-X	CONCRETE PAVEMENT - 8-INCH, 9-INCH, 9 1/2-INCH
CPC-8	CONCRETE PAVEMENT COLORED - 8-INCH
CPTA-12	CONCRETE TRUCK APRON - 12-INCH
CR-X	CURB RAMP - TYPE 1, 1A, 4A1, 4B1, 8
CS-X	CONCRETE SIDEWALK - 4-INCH, 5-INCH, 6-INCH, 8-INCH
CSC-4	CONCRETE SIDEWALK COLORED - 4-INCH
G	GRASS (NOT ALL GRASS AREAS ARE LABELED)
HMA-X	HMA PAVEMENT - 3.5-INCH, 4-INCH, 6.75-INCH, 9-INCH
WF-NP	CURB RAMP DETECTABLE WARNING FIELD NATURAL PATINA
CG-30AM	CONCRETE CURB & GUTTER 30-INCH TYPE A MODIFIED
CGI-36-4M	CONCRETE CURB & GUTTER INTEGRAL 4-INCH SLOPE 36-INCH MODIFIED
CGI-18D	CONCRETE CURB & GUTTER INTEGRAL 18-INCH TYPE D
CGI-30D	CONCRETE CURB & GUTTER INTEGRAL 30-INCH TYPE D
CGI-36R4	CONCRETE CURB & GUTTER INTEGRAL 4-INCH SLOPED 36-INCH TYPE R

MATCH LINE STA 33+30

MATCH LINE STA 250+20

CONCRETE SIDEWALK COLORED & STAMPED 5-INCH

CENTER OF 'RA2'
-65.00' LT
N = 575321.339
E = 863201.842
EL. 714.93

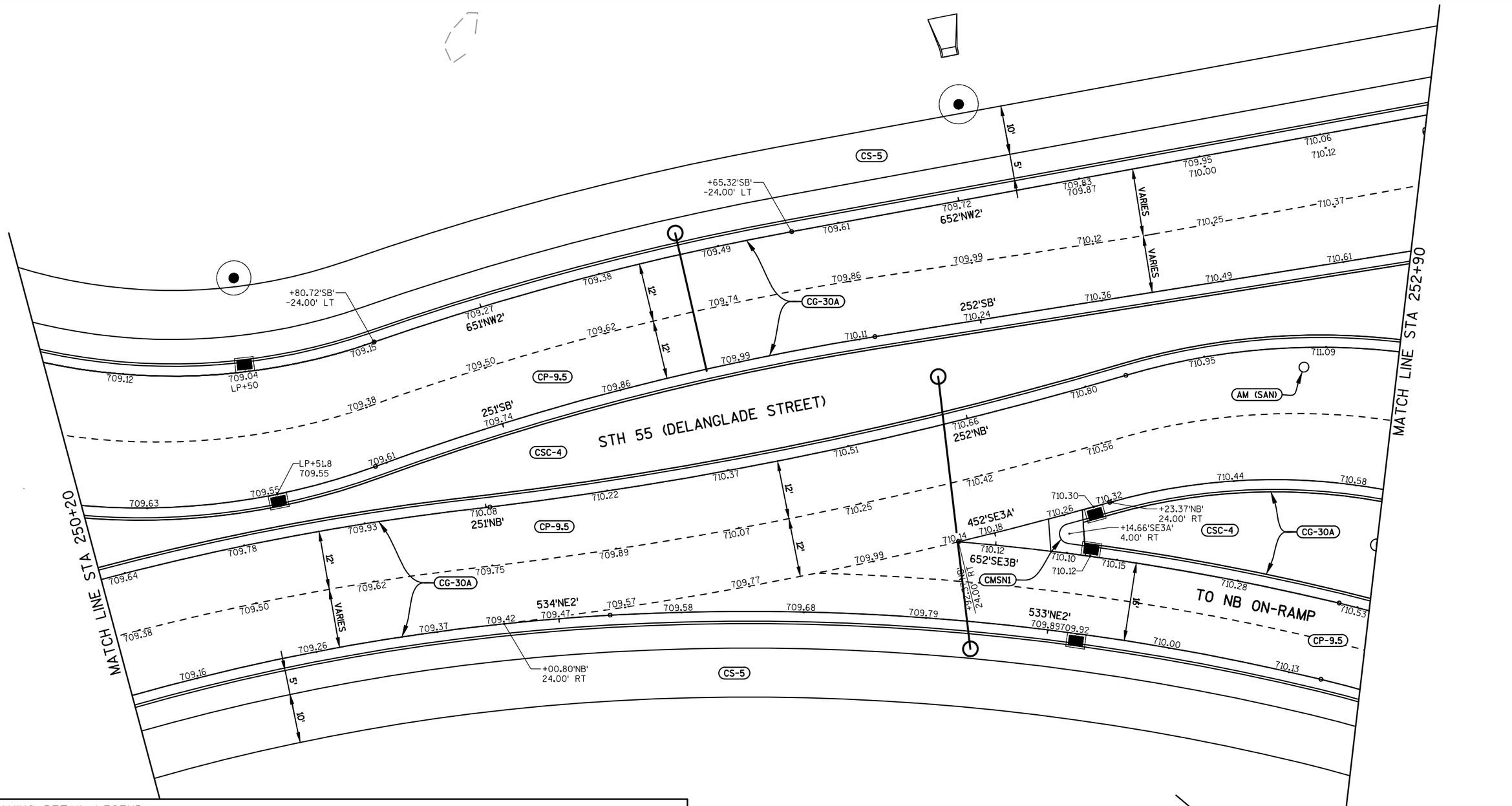
GERTRUDE ST/
MALONEY RD
ROUNDABOUT

REVISED SHEET 66

PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	PAVING DETAILS - GERTRUDE ST/MALONEY RD ROUNDABOUT WEST	~~SHEET 66~~	E

FILE NAME : F:\TR\JOBS\E1859A08\CIVIL 3D 2012\SHEETSPLAN\46500871_021200_PD.DWG PLOT DATE : 11/28/2017 10:42 AM PLOT BY : OMNNI ASSOCIATES, INC - ANDREW WESTBROOK

2

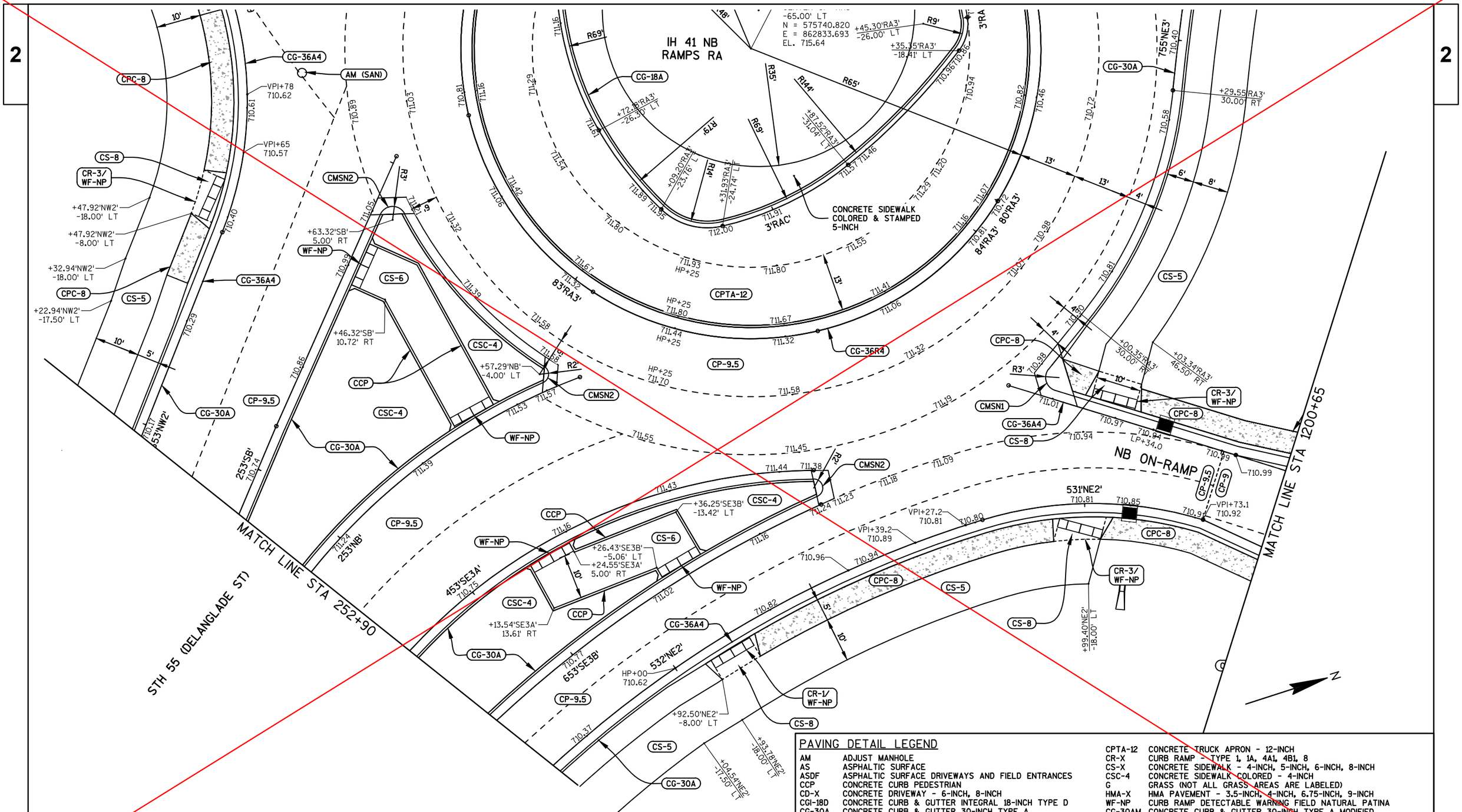


PAVING DETAIL LEGEND

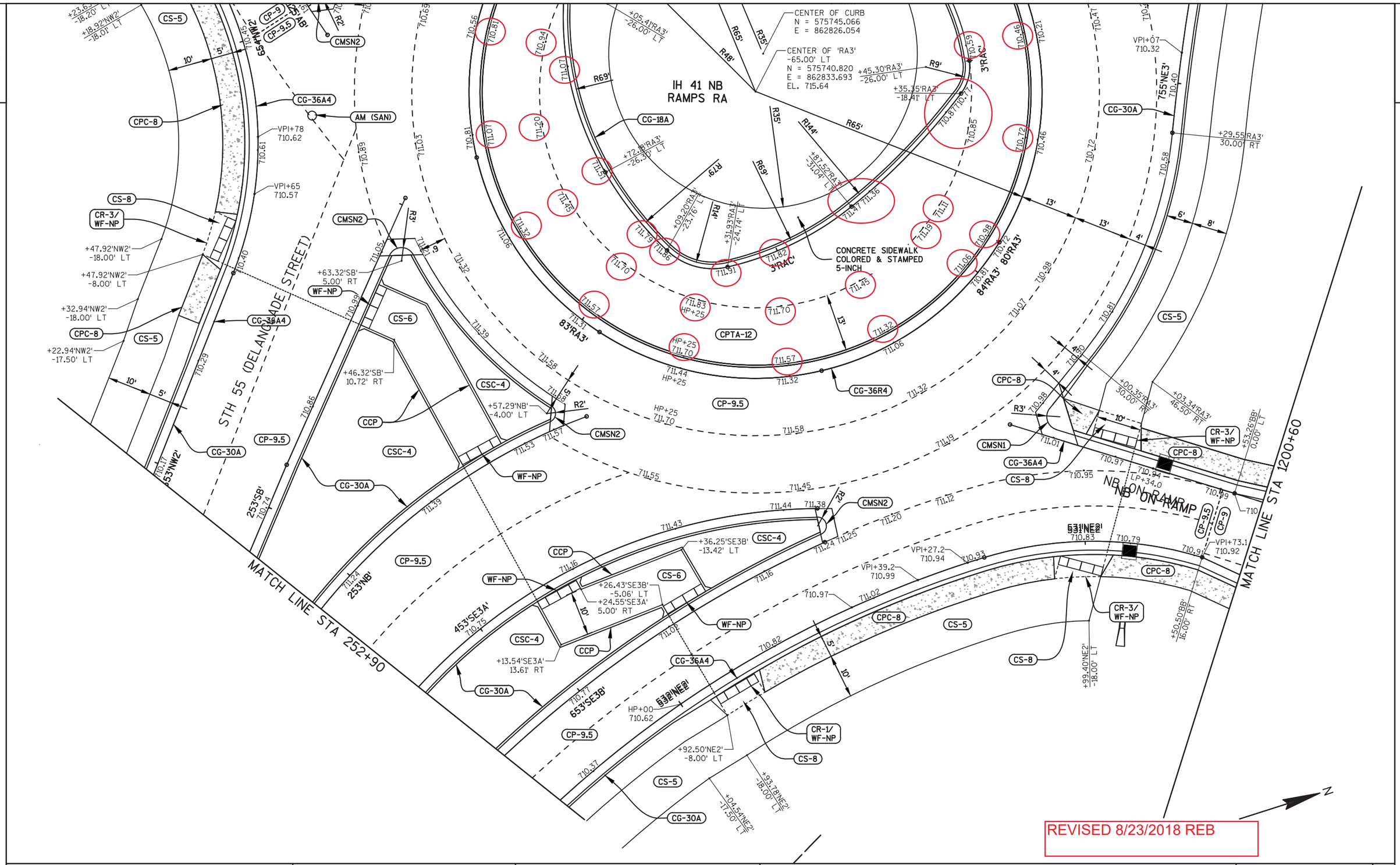
AM	ADJUST MANHOLE
AS	ASPHALTIC SURFACE
ASDF	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES
CCP	CONCRETE CURB PEDESTRIAN
CD-X	CONCRETE DRIVEWAY - 6-INCH, 8-INCH
CGI-18D	CONCRETE CURB & GUTTER INTEGRAL 18-INCH TYPE D
CG-30A	CONCRETE CURB & GUTTER 30-INCH TYPE A
CG-30D	CONCRETE CURB & GUTTER 30-INCH TYPE D
CG-36A4	CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE A
CG-36R4	CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE R
CMSN-X	CONCRETE MEDIAN SLOPE NOSE - TYPE 1, TYPE 2
CP-X	CONCRETE PAVEMENT - 8-INCH, 9-INCH, 9 1/2-INCH
CPC-8	CONCRETE PAVEMENT COLORED - 8-INCH
CPTA-12	CONCRETE TRUCK APRON - 12-INCH
CR-X	CURB RAMP - TYPE 1, TYPE 1A, TYPE 8
CS-X	CONCRETE SIDEWALK - 4-INCH, 5-INCH, 6-INCH, 8-INCH
CSC-4	CONCRETE SIDEWALK COLORED - 4-INCH
G	GRASS (NOT ALL GRASS AREAS ARE LABELED)
HMA-X	HMA PAVEMENT - 3.5-INCH, 4-INCH, 6.75-INCH, 9-INCH
WF-NP	CURB RAMP DETECTABLE WARNING FIELD NATURAL PATINA
CG-30AM	CONCRETE CURB & GUTTER 30-INCH TYPE A MODIFIED
CGI-36-4M	CONCRETE CURB & GUTTER INTEGRAL 4-INCH SLOPE 36-INCH MODIFIED
CGI-18D	CONCRETE CURB & GUTTER INTEGRAL 18-INCH TYPE D
CGI-30D	CONCRETE CURB & GUTTER INTEGRAL 30-INCH TYPE D
CGI-36R4	CONCRETE CURB & GUTTER INTEGRAL 4-INCH SLOPED 36-INCH TYPE R

PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	PAVING DETAILS	SHEET 67	E

2


IH 41 NB
RAMPS RA
CONCRETE SIDEWALK
COLORED & STAMPED
5-INCH
NB ON-RAMP
MATCH LINE STA 1200+65
MATCH LINE STA 252+90
STH 55 (DELANGLADE ST)
CG-36A4
AM (SAN)
CPC-8
CS-8
CR-3/
WF-NP
CS-5
CG-30A
CG-36R4
CPTA-12
CP-9.5
CSC-4
CCP
CS-6
WF-NP
CMSN2
CMSN1
CR-1/
WF-NP
CG-18A
CG-30A
CPC-8
CR-3/
WF-NP
CS-8
CS-5
CP-9.5
CP-9
CSC-4
CCP
CS-6
WF-NP
CG-36A4
CG-30A
CR-1/
WF-NP
CS-8
CS-5
CG-30A
CPC-8
CS-5
CG-30A
CG-36A4
CS-8
CPC-8
CR-3/
WF-NP
CPC-8
CS-5
CG-30A
CG-36A4
CS-8
CR-3/
WF-NP
CPC-8
CS-8
CS-5
CG-30A
CG-36A4
CS-8
CR-1/
WF-NP
CS-5
CG-30A
CG-36A4
CS-8
CR-3/
WF-NP
CPC-8
CS-8

2



REVISED 8/23/2018 REB

PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	PAVING DETAILS	REVISED SHEET 68	E

FILE NAME : F:\TR\JOBS\E1859A08\CIVIL 3D 2012\DESIGN\EDGELINES\E1859PD.DWG
021231_pd

PLOT DATE : 8/23/2018 8:43 AM

PLOT BY : OMNNI ASSOCIATES, INC - RYAN BETKER

PAVING DETAIL LEGEND

AM	ADJUST MANHOLE
AS	ASPHALTIC SURFACE
ASDF	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES
CCP	CONCRETE CURB PEDESTRIAN
CD-X	CONCRETE DRIVEWAY - 6-INCH, 8-INCH
CGI-18D	CONCRETE CURB & GUTTER INTEGRAL 18-INCH TYPE D
CG-30A	CONCRETE CURB & GUTTER 30-INCH TYPE A
CG-30D	CONCRETE CURB & GUTTER 30-INCH TYPE D
CG-36A4	CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE A
CG-36R4	CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE R
CMSN-X	CONCRETE MEDIAN SLOPE NOSE - TYPE 1, TYPE 2
CP-X	CONCRETE PAVEMENT - 8-INCH, 9-INCH, 9 1/2-INCH
CPC-8	CONCRETE PAVEMENT COLORED - 8-INCH
CPTA-12	CONCRETE TRUCK APRON - 12-INCH
CR-X	CURB RAMP - TYPE 1, 1A, 4A1, 4B1, 8
CS-X	CONCRETE SIDEWALK - 4-INCH, 5-INCH, 6-INCH, 8-INCH
CSC-4	CONCRETE SIDEWALK COLORED - 4-INCH
G	GRASS (NOT ALL GRASS AREAS ARE LABELED)
HMA-X	HMA PAVEMENT - 3.5-INCH, 4-INCH, 6.75-INCH, 9-INCH
WF-NP	CURB RAMP DETECTABLE WARNING FIELD NATURAL PATINA
CG-30AM	CONCRETE CURB & GUTTER 30-INCH TYPE A MODIFIED
CGI-36-4M	CONCRETE CURB & GUTTER INTEGRAL 4-INCH SLOPE 36-INCH MODIFIED
CGI-18D	CONCRETE CURB & GUTTER INTEGRAL 18-INCH TYPE D
CGI-30D	CONCRETE CURB & GUTTER INTEGRAL 30-INCH TYPE D
CGI-36R4	CONCRETE CURB & GUTTER INTEGRAL 4-INCH SLOPED 36-INCH TYPE R

MATCH LINE STA 1123+90

MATCH LINE STA 256+30

NB OFF-RAMP

STH 55 (DELANGLADE STREET)

IH 41 NB RAMPS RA

CONCRETE SIDEWALK COLORED AND STAMPED 5-INCH

CENTER OF CURB
N = 575745.066
E = 862826.054

CENTER OF 'RA3' -65.00' LT
N = 575740.820
E = 862833.693
EL. 715.64

REVERSE SLOPE

PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	PAVING DETAILS - IH 41 NB RAMPS ROUNDABOUT WEST

SHEET 69 E

FILE NAME : F:\TR\JOBS\E1859A08\CIVIL 3D 2012\SHEETSPLAN\46500871_021200_PD.DWG
46500871_021232_pd

PLOT DATE : 9/11/2017 11:17 AM PLOT BY : OMNNI ASSOCIATES, INC - CRAIG KNUTH

2

2

MATCH LINE STA 1123+90

MATCH LINE STA 256+30

NB OFF-RAMP

IH 41 NB RAMPS RA

STH 55 (DELANGLADE STREET)

CONCRETE SIDEWALK COLORED AND STAMPED 5-INCH

CENTER OF CURB
N = 575745.066
E = 862826.054

CENTER OF 'RA3'
-65.00' LT
N = 575740.820
E = 862833.693
EL. 715.64

REVERSE SLOPE

REVISED 8/23/2018 REB

PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	PAVING DETAILS	REVISED SHEET 69	E

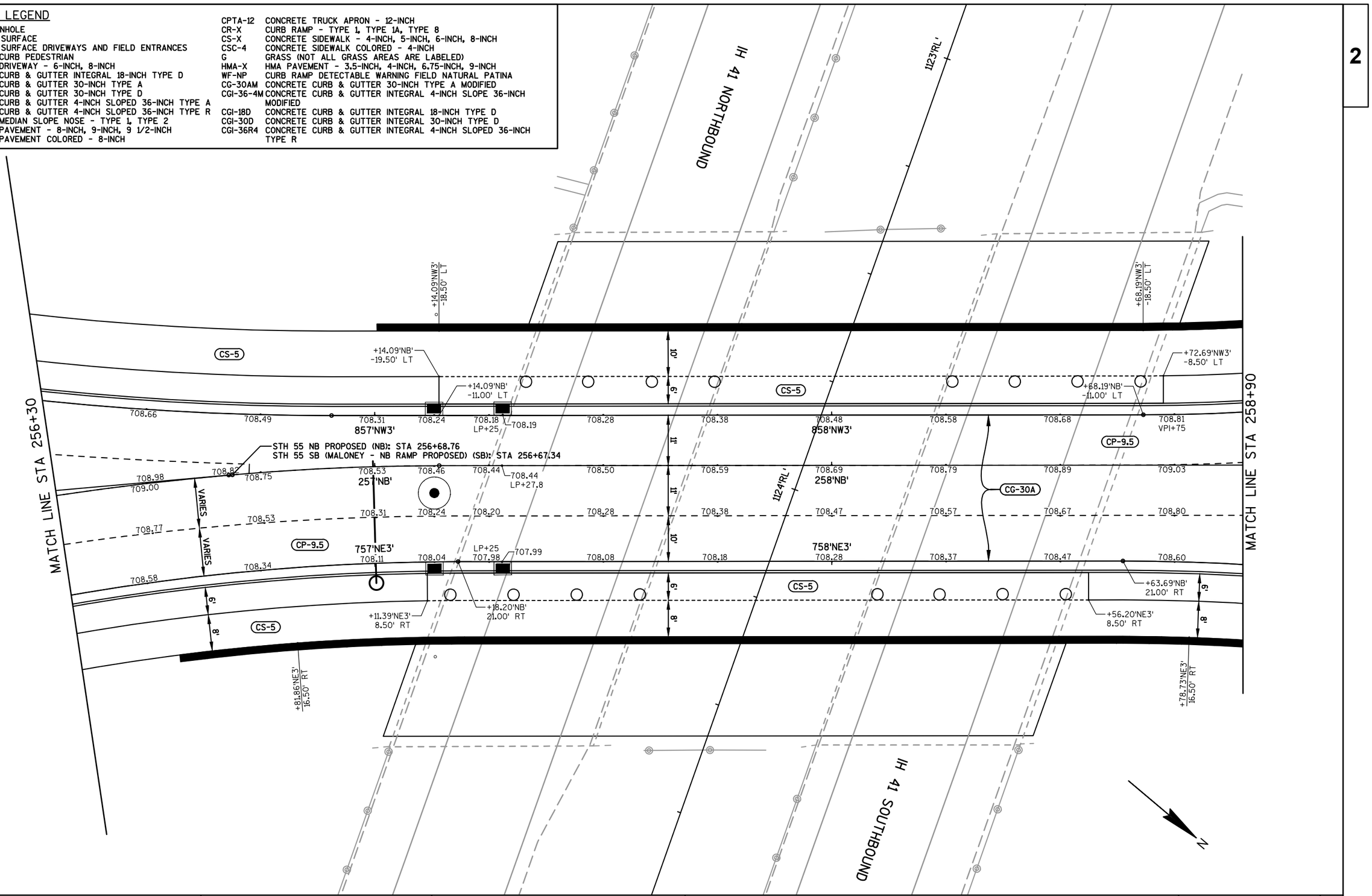
FILE NAME : F:\TR\JOBS\E1859A08\CIVIL 3D 2012\DESIGN\EDGELINES\E1859PD.DWG
021232_pd

PLOT DATE : 8/23/2018 8:44 AM

PLOT BY : OMNNI ASSOCIATES, INC - RYAN BETKER

PAVING DETAIL LEGEND

AM	ADJUST MANHOLE
AS	ASPHALTIC SURFACE
ASDF	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES
CCP	CONCRETE CURB PEDESTRIAN
CD-X	CONCRETE DRIVEWAY - 6-INCH, 8-INCH
CGI-18D	CONCRETE CURB & GUTTER INTEGRAL 18-INCH TYPE D
CG-30A	CONCRETE CURB & GUTTER 30-INCH TYPE A
CG-30D	CONCRETE CURB & GUTTER 30-INCH TYPE D
CG-36A4	CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE A
CG-36R4	CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE R
CMSN-X	CONCRETE MEDIAN SLOPE NOSE - TYPE 1, TYPE 2
CP-X	CONCRETE PAVEMENT - 8-INCH, 9-INCH, 9 1/2-INCH
CPC-8	CONCRETE PAVEMENT COLORED - 8-INCH
CPTA-12	CONCRETE TRUCK APRON - 12-INCH
CR-X	CURB RAMP - TYPE 1, TYPE 1A, TYPE 8
CS-X	CONCRETE SIDEWALK - 4-INCH, 5-INCH, 6-INCH, 8-INCH
CSC-4	CONCRETE SIDEWALK COLORED - 4-INCH
G	GRASS (NOT ALL GRASS AREAS ARE LABELED)
HMA-X	HMA PAVEMENT - 3.5-INCH, 4-INCH, 6.75-INCH, 9-INCH
WF-NP	CURB RAMP DETECTABLE WARNING FIELD NATURAL PATINA
CG-30AM	CONCRETE CURB & GUTTER 30-INCH TYPE A MODIFIED
CGI-36-4M	CONCRETE CURB & GUTTER INTEGRAL 4-INCH SLOPE 36-INCH MODIFIED
CGI-18D	CONCRETE CURB & GUTTER INTEGRAL 18-INCH TYPE D
CGI-30D	CONCRETE CURB & GUTTER INTEGRAL 30-INCH TYPE D
CGI-36R4	CONCRETE CURB & GUTTER INTEGRAL 4-INCH SLOPED 36-INCH TYPE R



PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	PAVING DETAILS	SHEET 70	E

FILE NAME : F:\TR\JOBS\E1859A08\CIVIL 3D 2012\SHEETSPLAN\46500871_021200_PD.DWG
46500871_021235_pd
PLOT DATE : 7/19/2017 9:42 AM
PLOT BY : OMNNI ASSOCIATES, INC - CRAIG KNUTH

2

IH 41 SB RAMPS RA

CENTER OF 'RA4'
-70.00' LT
N = 576250.260
E = 862454.667
EL. 716.00

CENTER OF CURB
N = 576247.494
E = 862462.104

CONCRETE SIDEWALK COLORED & STAMPED 5-INCH

6'TAC'

R35'

R55'

R70'

R10'

+44.48'RA4'
-46.67' LT

+37.76'RA4'
-26.90' LT

+05.96'RA4'
-16.78' LT

+16.43'RA4'
-25.00' LT

+14.77'RA4'
-25.00' LT

+25.00'RA4'
16.59' LT

95'RA4'

94'RA4'

90'RA4'

860'NW3'

260'SB'

+01.31'SB'
5.00' RT

260'NB'

+99.62'NB'
-4.00' LT

+48.37'NB'
-4.00' LT

760'NE3'
710.42

+68.60'RA4'
29.00' RT

+09.30'RA4'
33.00' RT

+01.09'RA4'
50.69' RT

+68.60'RA4'
45.50' RT

+20.75'RA4'
72.02' RT

759'NE3'
VPI 708.86

VPI 709.07
859'NW3'
259'SB'
VPI 709.31'
259'NB'

LP+23.6
710.64

LP+23.6
710.32

LP+23.6
710.58

LP+22.8
710.42

LP+24.2
710.72

CG-36A4

CG-18A

CPTA-12

CG-36R4

CG-30A

CG-36A4M (REJECT)

CS-5

CS-6

CS-8

CPC-8

CP-9.5

CP-9

CMSN1

CMSN2

CR-2/
WF-NP

CR-3/
WF-NP

+32.75'RA4'
33.91' RT

+48.12'NE4'
14.04' RT

+39.77'RA4'
49.01' RT

VPI+64.3
711.06

VPI+82.3
710.76

VPI+89
710.66

VPI+33.9
710.54

R2'

R18'

13'

11'

10'

6'

8'

14'

SB OFF-RAMP

1124'CC'

24'NE4A'
710.53

REVERSE SLOPE

STH 55 (DELANGLADE STREET)

STH 55 NB PROPOSED (NB): STA 258+97.12
STH 55 SB (NB RAMP PROPOSED - PROJECT END) (SB): STA 258+97.12

MATCH LINE STA 258+90

MATCH LINE STA 1123+65

MATCH LINE STA 1124+60

N

PAVING DETAIL LEGEND

AM	ADJUST MANHOLE
AS	ASPHALTIC SURFACE
ASDF	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES
CCP	CONCRETE CURB PEDESTRIAN
CD-X	CONCRETE DRIVEWAY - 6-INCH, 8-INCH
CGI-18D	CONCRETE CURB & GUTTER INTEGRAL 18-INCH TYPE D
CG-30A	CONCRETE CURB & GUTTER 30-INCH TYPE A
CG-30D	CONCRETE CURB & GUTTER 30-INCH TYPE D
CG-36A4	CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE A
CG-36R4	CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE R
CMSN-X	CONCRETE MEDIAN SLOPE NOSE - TYPE 1, TYPE 2
CP-X	CONCRETE PAVEMENT - 8-INCH, 9-INCH, 9 1/2-INCH
CPC-8	CONCRETE PAVEMENT COLORED - 8-INCH
CPTA-12	CONCRETE TRUCK APRON - 12-INCH
CR-X	CURB RAMP - TYPE 1, 1A, 4A1, 4B1, 8
CS-X	CONCRETE SIDEWALK - 4-INCH, 5-INCH, 6-INCH, 8-INCH
CSC-4	CONCRETE SIDEWALK COLORED - 4-INCH
G	GRASS (NOT ALL GRASS AREAS ARE LABELED)
HMA-X	HMA PAVEMENT - 3.5-INCH, 4-INCH, 6.75-INCH, 9-INCH
WF-NP	CURB RAMP DETECTABLE WARNING FIELD NATURAL PATINA
CG-30AM	CONCRETE CURB & GUTTER 30-INCH TYPE A MODIFIED
CGI-36-4M	CONCRETE CURB & GUTTER INTEGRAL 4-INCH SLOPE 36-INCH MODIFIED
CGI-18D	CONCRETE CURB & GUTTER INTEGRAL 18-INCH TYPE D
CGI-30D	CONCRETE CURB & GUTTER INTEGRAL 30-INCH TYPE D
CGI-36R4	CONCRETE CURB & GUTTER INTEGRAL 4-INCH SLOPED 36-INCH TYPE R

PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	PAVING DETAILS - IH 41 SB RAMPS ROUNDABOUT EAST	SHEET 71	E

FILE NAME : F:\TR\JOBS\E1859A08\CIVIL 3D 2012\SHEETSPLAN\46500871_021200_PD.DWG
46500871_021241_pd

PLOT DATE : 9/11/2017 11:17 AM PLOT BY : OMNNI ASSOCIATES, INC - CRAIG KNUTH

2

IH 41 SB RAMPS RA

CENTER OF 'RA4'
-70.00' LT
N = 576250.260
E = 862454.667
EL. 716.00

CENTER OF CURB
N = 576247.494
E = 862462.104

CONCRETE SIDEWALK COLORED & STAMPED 5-INCH

SB OFF-RAMP

STH 55 (DELANGLADE STREET)

CG-36A4M (REJECT)
CG-30A
CG-36A4
CG-18A
CG-36R4
CPTA-12
CS-5
CS-6
CS-8
CPC-8
CP-9.5
CP-9
CMSN1
CMSN2
CR-2/ WF-NP
CR-3/ WF-NP

MATCH LINE STA 258+90

MATCH LINE STA 123+65

MATCH LINE STA 1124+60

STH 55 NB PROPOSED (NB): STA 258+97.12
STH 55 SB (NB RAMP PROPOSED - PROJECT END) (SB): STA 258+97.12

REVISED 8/23/2018 REB

PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	PAVING DETAILS	REVISED SHEET 71	E

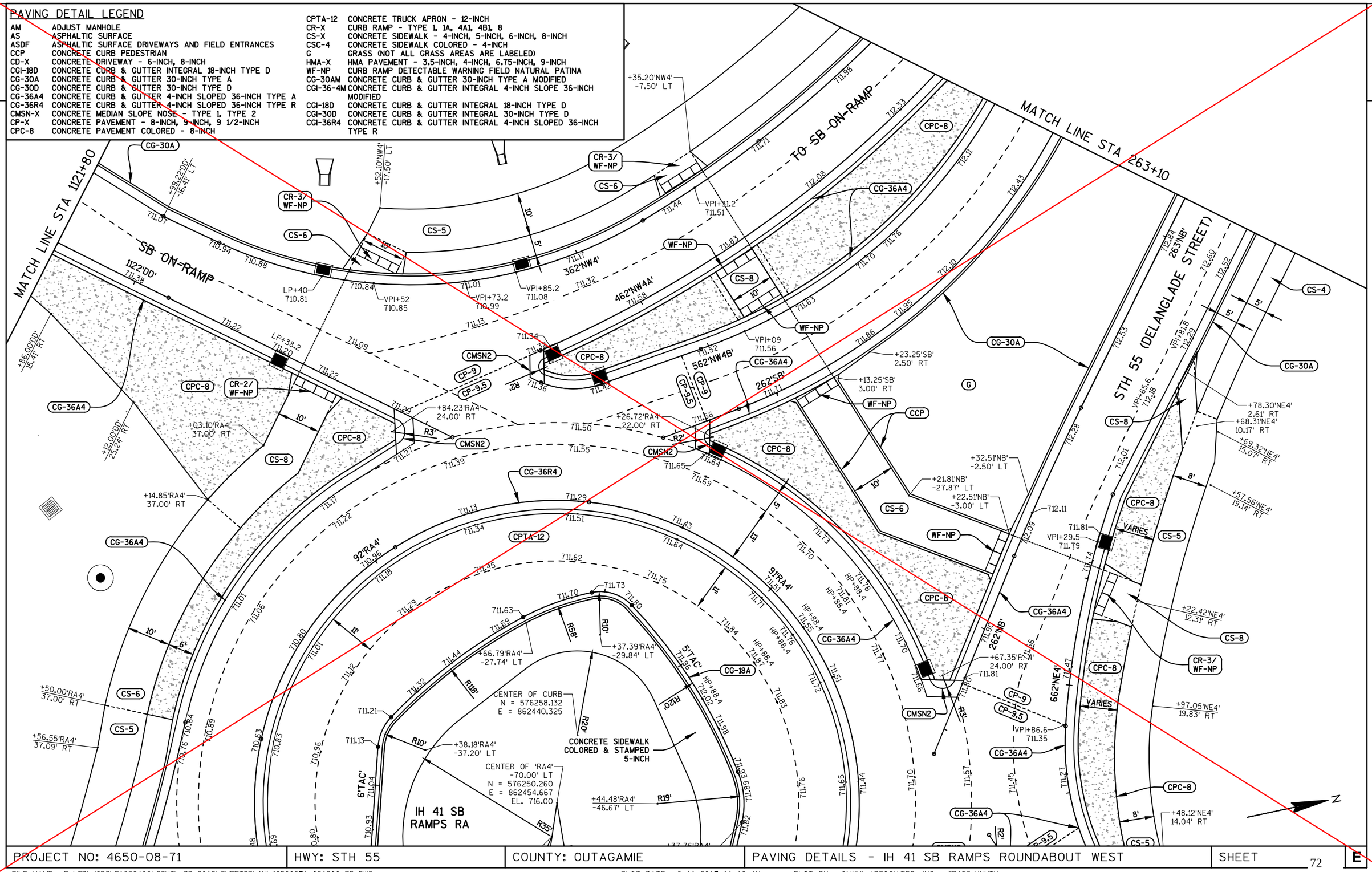
FILE NAME : F:\TR\JOBS\E1859A08\CIVIL 3D 2012\DESIGN\EDGELINES\E1859PD.DWG
021241_pd

PLOT DATE : 8/23/2018 8:44 AM

PLOT BY : OMNNI ASSOCIATES, INC - RYAN BETKER

PAVING DETAIL LEGEND

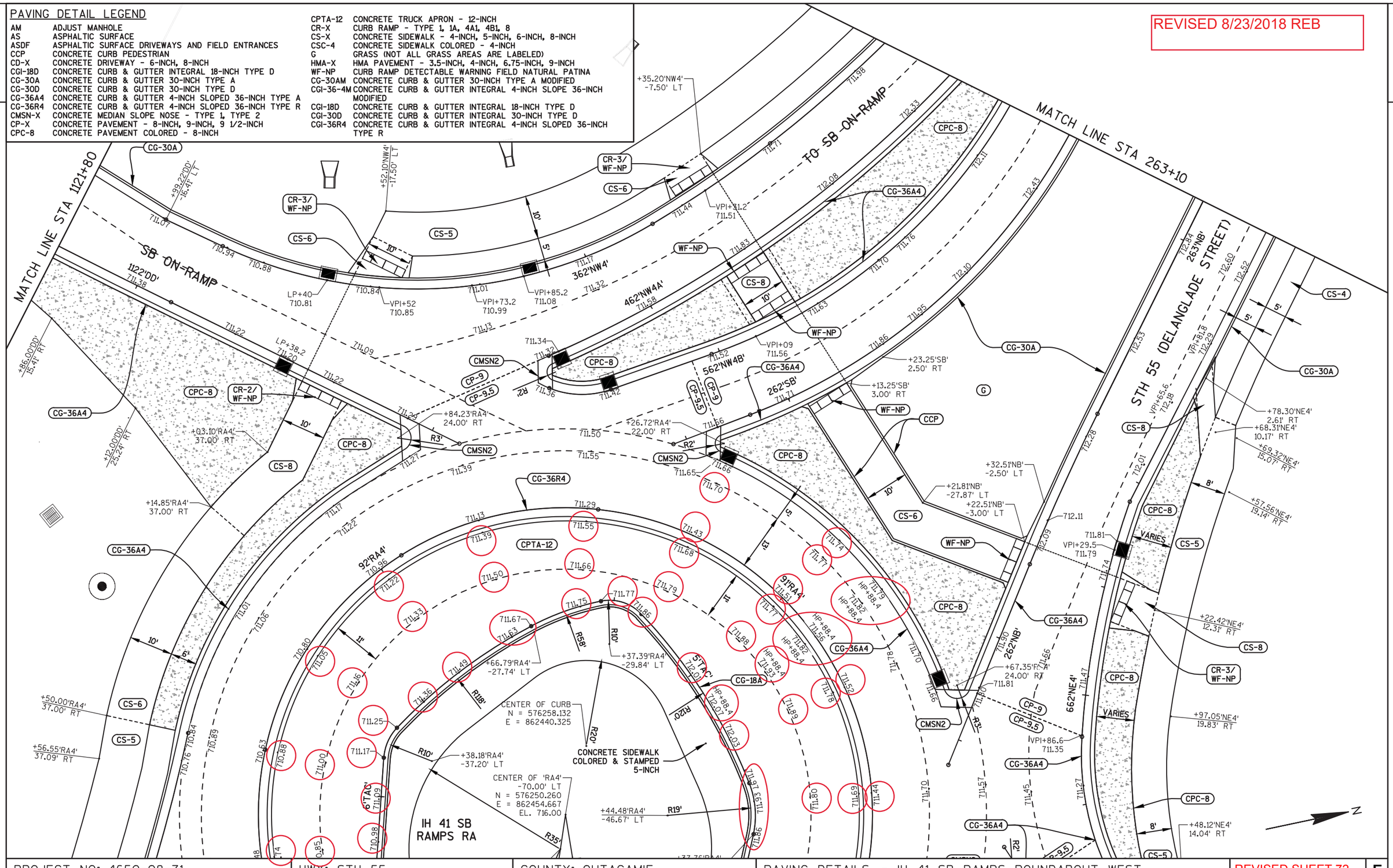
AM	ADJUST MANHOLE
AS	ASPHALTIC SURFACE
ASDF	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES
CCP	CONCRETE CURB PEDESTRIAN
CD-X	CONCRETE DRIVEWAY - 6-INCH, 8-INCH
CGI-18D	CONCRETE CURB & GUTTER INTEGRAL 18-INCH TYPE D
CG-30A	CONCRETE CURB & GUTTER 30-INCH TYPE A
CG-30D	CONCRETE CURB & GUTTER 30-INCH TYPE D
CG-36A4	CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE A
CG-36R4	CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE R
CMSN-X	CONCRETE MEDIAN SLOPE NOSE - TYPE 1, TYPE 2
CP-X	CONCRETE PAVEMENT - 8-INCH, 9 INCH, 9 1/2-INCH
CPC-8	CONCRETE PAVEMENT COLORED - 8-INCH
CPTA-12	CONCRETE TRUCK APRON - 12-INCH
CR-X	CURB RAMP - TYPE 1, 1A, 4A1, 4B1, 8
CS-X	CONCRETE SIDEWALK - 4-INCH, 5-INCH, 6-INCH, 8-INCH
CSC-4	CONCRETE SIDEWALK COLORED - 4-INCH
G	GRASS (NOT ALL GRASS AREAS ARE LABELED)
HMA-X	HMA PAVEMENT - 3.5-INCH, 4-INCH, 6.75-INCH, 9-INCH
WF-NP	CURB RAMP DETECTABLE WARNING FIELD NATURAL PATINA
CG-30AM	CONCRETE CURB & GUTTER 30-INCH TYPE A MODIFIED
CGI-36-4M	CONCRETE CURB & GUTTER INTEGRAL 4-INCH SLOPE 36-INCH MODIFIED
CGI-18D	CONCRETE CURB & GUTTER INTEGRAL 18-INCH TYPE D
CGI-30D	CONCRETE CURB & GUTTER INTEGRAL 30-INCH TYPE D
CGI-36R4	CONCRETE CURB & GUTTER INTEGRAL 4-INCH SLOPED 36-INCH TYPE R



PAVING DETAIL LEGEND

AM	ADJUST MANHOLE
AS	ASPHALTIC SURFACE
ASDF	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES
CCP	CONCRETE CURB PEDESTRIAN
CD-X	CONCRETE DRIVEWAY - 6-INCH, 8-INCH
CGI-18D	CONCRETE CURB & GUTTER INTEGRAL 18-INCH TYPE D
CG-30A	CONCRETE CURB & GUTTER 30-INCH TYPE A
CG-30D	CONCRETE CURB & GUTTER 30-INCH TYPE D
CG-36A4	CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE A
CG-36R4	CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE R
CMSN-X	CONCRETE MEDIAN SLOPE NOSE - TYPE 1, TYPE 2
CP-X	CONCRETE PAVEMENT - 8-INCH, 9-INCH, 9 1/2-INCH
CPC-8	CONCRETE PAVEMENT COLORED - 8-INCH
CPTA-12	CONCRETE TRUCK APRON - 12-INCH
CR-X	CURB RAMP - TYPE 1, 1A, 4A1, 4B1, 8
CS-X	CONCRETE SIDEWALK - 4-INCH, 5-INCH, 6-INCH, 8-INCH
CSC-4	CONCRETE SIDEWALK COLORED - 4-INCH
G	GRASS (NOT ALL GRASS AREAS ARE LABELED)
HMA-X	HMA PAVEMENT - 3.5-INCH, 4-INCH, 6.75-INCH, 9-INCH
WF-NP	CURB RAMP DETECTABLE WARNING FIELD NATURAL PATINA
CG-30AM	CONCRETE CURB & GUTTER 30-INCH TYPE A MODIFIED
CGI-36-4M	CONCRETE CURB & GUTTER INTEGRAL 4-INCH SLOPE 36-INCH MODIFIED
CGI-18D	CONCRETE CURB & GUTTER INTEGRAL 18-INCH TYPE D
CGI-30D	CONCRETE CURB & GUTTER INTEGRAL 30-INCH TYPE D
CGI-36R4	CONCRETE CURB & GUTTER INTEGRAL 4-INCH SLOPED 36-INCH TYPE R

REVISED 8/23/2018 REB



PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	PAVING DETAILS - IH 41 SB RAMPS ROUNDABOUT WEST	REVISED SHEET 72	E

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PLOT BY : OMNNI ASSOCIATES, INC - RYAN BETKER
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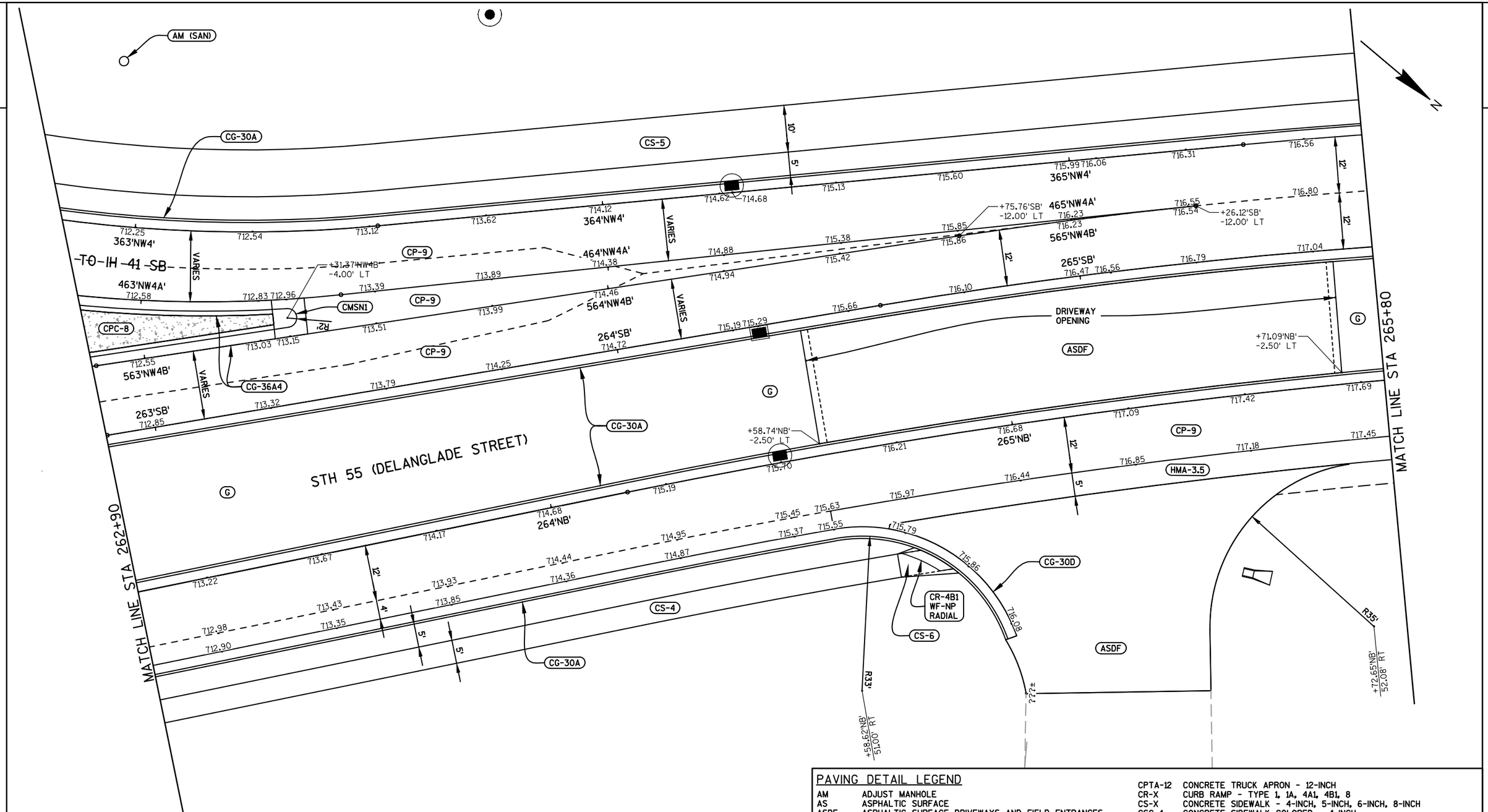
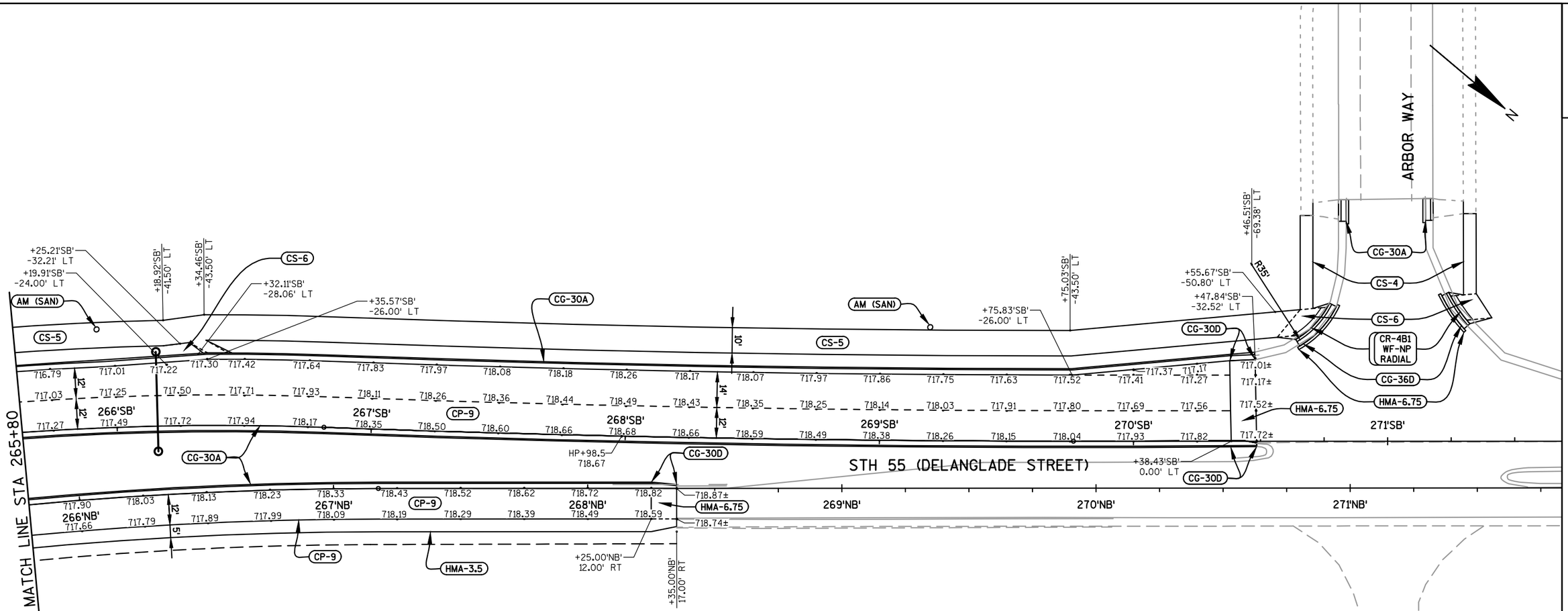


PAVING DETAIL LEGEND

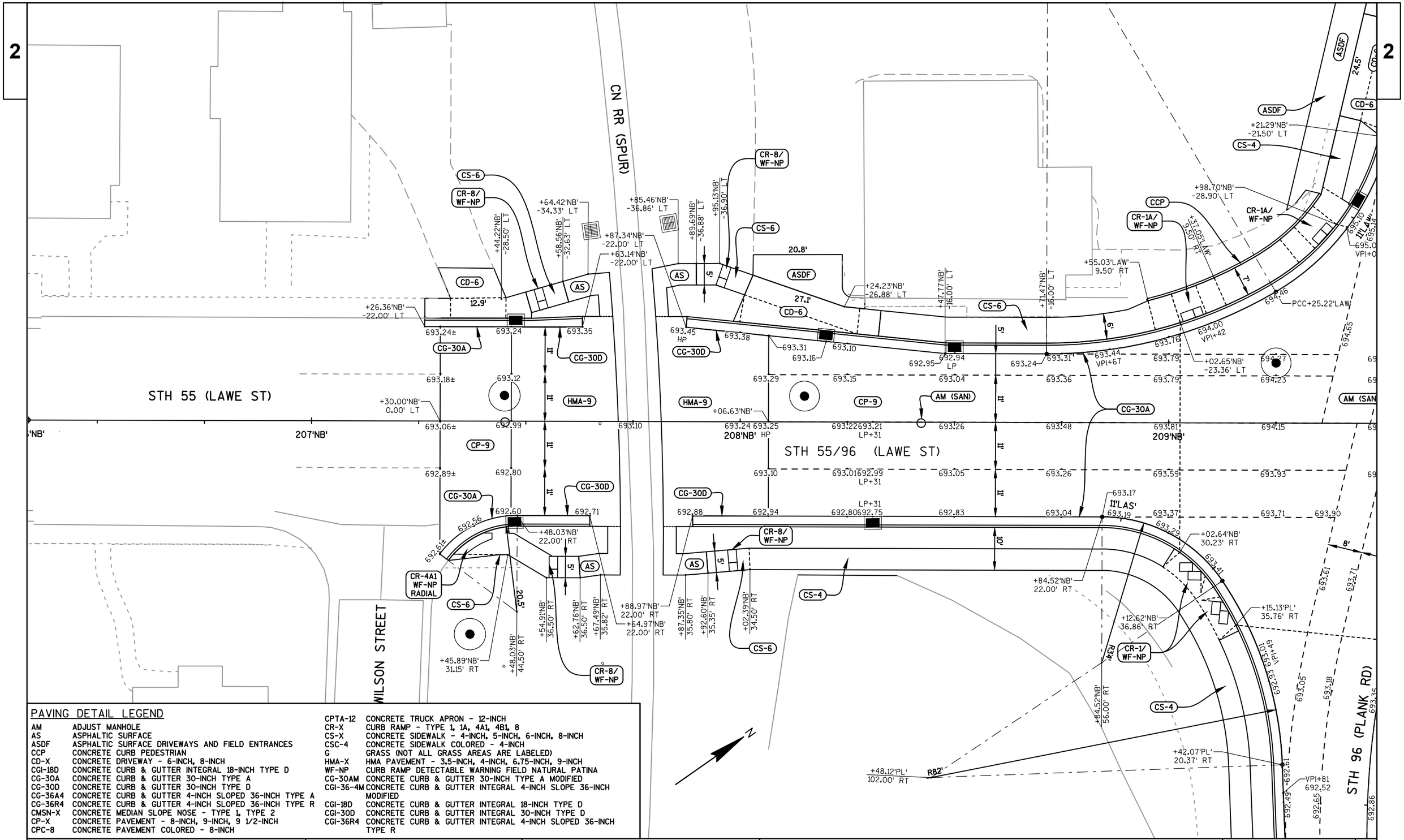
AM	ADJUST MANHOLE	CPTA-12	CONCRETE TRUCK APRON - 12-INCH
AS	ASPHALTIC SURFACE	CR-X	CURB RAMP - TYPE 1, 1A, 4A1, 4B1, 8
ASDF	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES	CS-X	CONCRETE SIDEWALK - 4-INCH, 5-INCH, 6-INCH, 8-INCH
CCP	CONCRETE CURB PEDESTRIAN	CSC-4	CONCRETE SIDEWALK COLORED - 4-INCH
CD-X	CONCRETE DRIVEWAY - 6-INCH, 8-INCH	G	GRASS (NOT ALL GRASS AREAS ARE LABELED)
CGI-18D	CONCRETE CURB & GUTTER INTEGRAL 18-INCH TYPE D	HMA-X	HMA PAVEMENT - 3.5-INCH, 4-INCH, 6.75-INCH, 9-INCH
CG-30A	CONCRETE CURB & GUTTER 30-INCH TYPE A	WF-NP	CURB RAMP DETECTABLE WARNING FIELD NATURAL PATINA
CG-30D	CONCRETE CURB & GUTTER 30-INCH TYPE D	CG-30AM	CONCRETE CURB & GUTTER 30-INCH TYPE A MODIFIED
CG-36A4	CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE A	CGI-36-4M	CONCRETE CURB & GUTTER INTEGRAL 4-INCH SLOPE 36-INCH MODIFIED
CG-36R4	CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE R	CGI-18D	CONCRETE CURB & GUTTER INTEGRAL 18-INCH TYPE D
CMSN-X	CONCRETE MEDIAN SLOPE NOSE - TYPE 1, TYPE 2	CGI-30D	CONCRETE CURB & GUTTER INTEGRAL 30-INCH TYPE D
CP-X	CONCRETE PAVEMENT - 8-INCH, 9-INCH, 9 1/2-INCH	CGI-36R4	CONCRETE CURB & GUTTER INTEGRAL 4-INCH SLOPED 36-INCH TYPE R
CPC-8	CONCRETE PAVEMENT COLORED - 8-INCH		

2



PAVING DETAIL LEGEND

AM	ADJUST MANHOLE	CPTA-12	CONCRETE TRUCK APRON - 12-INCH
AS	ASPHALTIC SURFACE	CR-X	CURB RAMP - TYPE 1, 1A, 4A1, 4B1, 8
ASDF	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES	CS-X	CONCRETE SIDEWALK - 4-INCH, 5-INCH, 6-INCH, 8-INCH
CCP	CONCRETE CURB PEDESTRIAN	CSC-4	CONCRETE SIDEWALK COLORED - 4-INCH
CD-X	CONCRETE DRIVEWAY - 6-INCH, 8-INCH	G	GRASS (NOT ALL GRASS AREAS ARE LABELED)
CGI-18D	CONCRETE CURB & GUTTER INTEGRAL 18-INCH TYPE D	HMA-X	HMA PAVEMENT - 3.5-INCH, 4-INCH, 6.75-INCH, 9-INCH
CG-30A	CONCRETE CURB & GUTTER 30-INCH TYPE A	WF-NP	CURB RAMP DETECTABLE WARNING FIELD NATURAL PATINA
CG-30D	CONCRETE CURB & GUTTER 30-INCH TYPE D	CG-30AM	CONCRETE CURB & GUTTER 30-INCH TYPE A MODIFIED
CG-36A4	CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE A	CGI-36-4M	CONCRETE CURB & GUTTER INTEGRAL 4-INCH SLOPE 36-INCH MODIFIED
CG-36R4	CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE R	CGI-18D	CONCRETE CURB & GUTTER INTEGRAL 18-INCH TYPE D
CMSN-X	CONCRETE MEDIAN SLOPE NOSE - TYPE 1, TYPE 2	CGI-30D	CONCRETE CURB & GUTTER INTEGRAL 30-INCH TYPE D
CP-X	CONCRETE PAVEMENT - 8-INCH, 9-INCH, 9 1/2-INCH	CGI-36R4	CONCRETE CURB & GUTTER INTEGRAL 4-INCH SLOPED 36-INCH TYPE R
CPC-8	CONCRETE PAVEMENT COLORED - 8-INCH		



PAVING DETAIL LEGEND

AM	ADJUST MANHOLE
AS	ASPHALTIC SURFACE
ASDF	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES
CCP	CONCRETE CURB PEDESTRIAN
CD-X	CONCRETE DRIVEWAY - 6-INCH, 8-INCH
CGI-18D	CONCRETE CURB & GUTTER INTEGRAL 18-INCH TYPE D
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CG-30D	CONCRETE CURB & GUTTER 30-INCH TYPE D
CG-36A4	CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE A
CG-36R4	CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE R
CMSN-X	CONCRETE MEDIAN SLOPE NOSE - TYPE 1, TYPE 2
CP-X	CONCRETE PAVEMENT - 8-INCH, 9-INCH, 9 1/2-INCH
CPC-8	CONCRETE PAVEMENT COLORED - 8-INCH
CPTA-12	CONCRETE TRUCK APRON - 12-INCH
CR-X	CURB RAMP - TYPE 1, 1A, 4A1, 4B1, 8
CS-X	CONCRETE SIDEWALK - 4-INCH, 5-INCH, 6-INCH, 8-INCH
CSC-4	CONCRETE SIDEWALK COLORED - 4-INCH
G	GRASS (NOT ALL GRASS AREAS ARE LABELED)
HMA-X	HMA PAVEMENT - 3.5-INCH, 4-INCH, 6.75-INCH, 9-INCH
WF-NP	CURB RAMP DETECTABLE WARNING FIELD NATURAL PATINA
CG-30AM	CONCRETE CURB & GUTTER 30-INCH TYPE A MODIFIED
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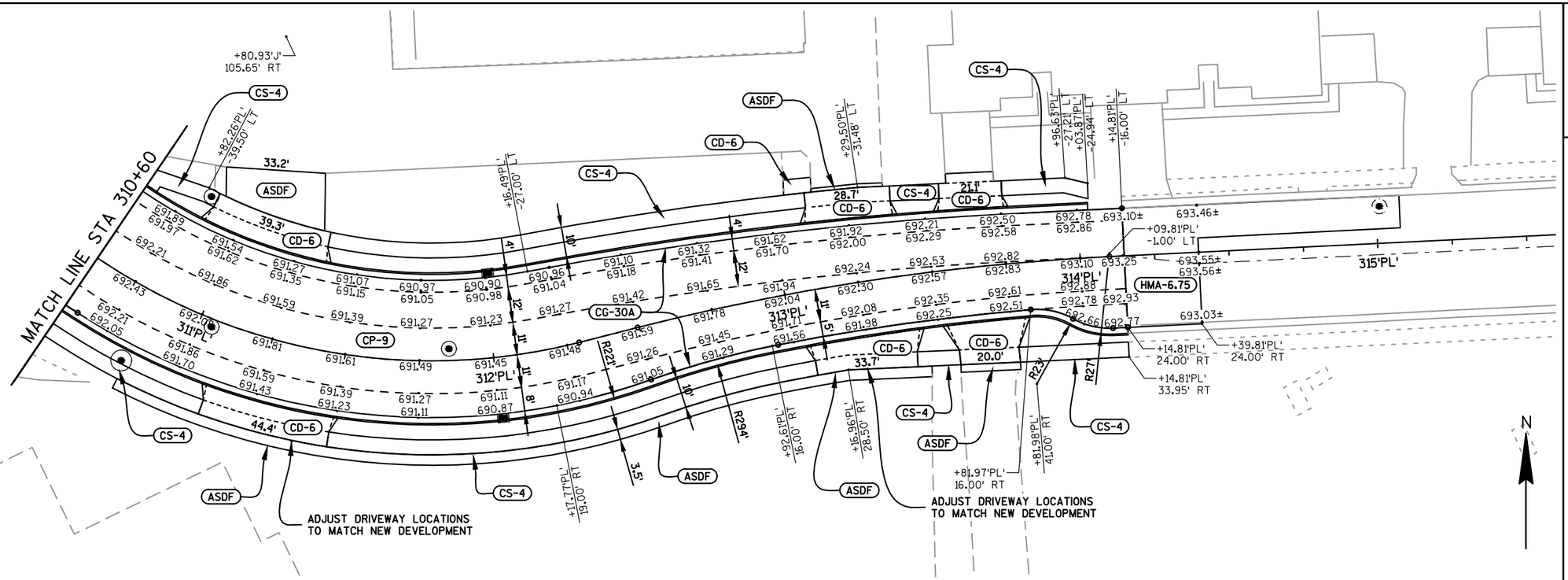
CGI-18D	CONCRETE CURB & GUTTER INTEGRAL 18-INCH TYPE D
CGI-30D	CONCRETE CURB & GUTTER INTEGRAL 30-INCH TYPE D
CGI-36R4	CONCRETE CURB & GUTTER INTEGRAL 4-INCH SLOPED 36-INCH TYPE R

PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	PAVING DETAILS - STH 96 (PLANK RD) & CTH J (LAWE ST)	SHEET 75 E



PAVING DETAIL LEGEND

AM	ADJUST MANHOLE	CPTA-12	CONCRETE TRUCK APRON - 12-INCH
AS	ASPHALTIC SURFACE	CR-X	CURB RAMP - TYPE 1, TYPE 1A, TYPE 8
ASDF	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES	CS-X	CONCRETE SIDEWALK - 4-INCH, 5-INCH, 6-INCH, 8-INCH
CCP	CONCRETE CURB PEDESTRIAN	CSC-4	CONCRETE SIDEWALK COLORED - 4-INCH
CD-X	CONCRETE DRIVEWAY - 6-INCH, 8-INCH	G	GRASS (NOT ALL GRASS AREAS ARE LABELED)
CGI-18D	CONCRETE CURB & GUTTER INTEGRAL 18-INCH TYPE D	HMA-X	HMA PAVEMENT - 3.5-INCH, 4-INCH, 6.75-INCH, 9-INCH
CG-30A	CONCRETE CURB & GUTTER 30-INCH TYPE A	WF-NP	CURB RAMP DETECTABLE WARNING FIELD NATURAL PATINA
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CMSN-X	CONCRETE MEDIAN SLOPE NOSE - TYPE 1, TYPE 2	CGI-30D	CONCRETE CURB & GUTTER INTEGRAL 30-INCH TYPE D
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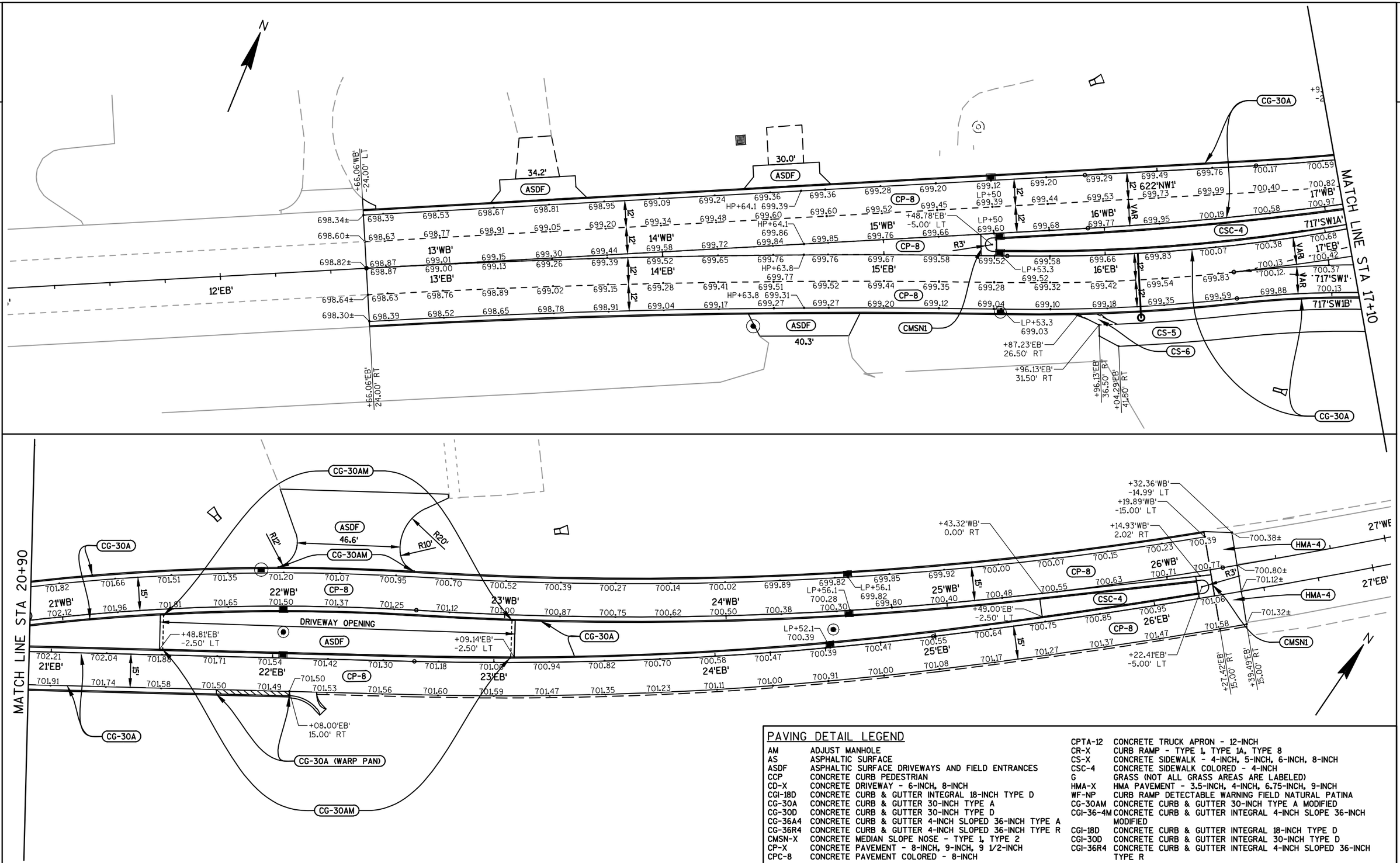
CPC-8	CONCRETE PAVEMENT COLORED - 8-INCH		

2



PAVING DETAIL LEGEND

AM	ADJUST MANHOLE
AS	ASPHALTIC SURFACE
ASDF	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES
CCP	CONCRETE CURB PEDESTRIAN
CD-X	CONCRETE DRIVEWAY - 6-INCH, 8-INCH
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HMA-X	HMA PAVEMENT - 3.5-INCH, 4-INCH, 6.75-INCH, 9-INCH
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CGI-30D	CONCRETE CURB & GUTTER INTEGRAL 30-INCH TYPE D
CGI-36R4	CONCRETE CURB & GUTTER INTEGRAL 4-INCH SLOPED 36-INCH TYPE R

PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	PAVING DETAILS - CTH OO (HYLAND AVENUE)	SHEET 77	E

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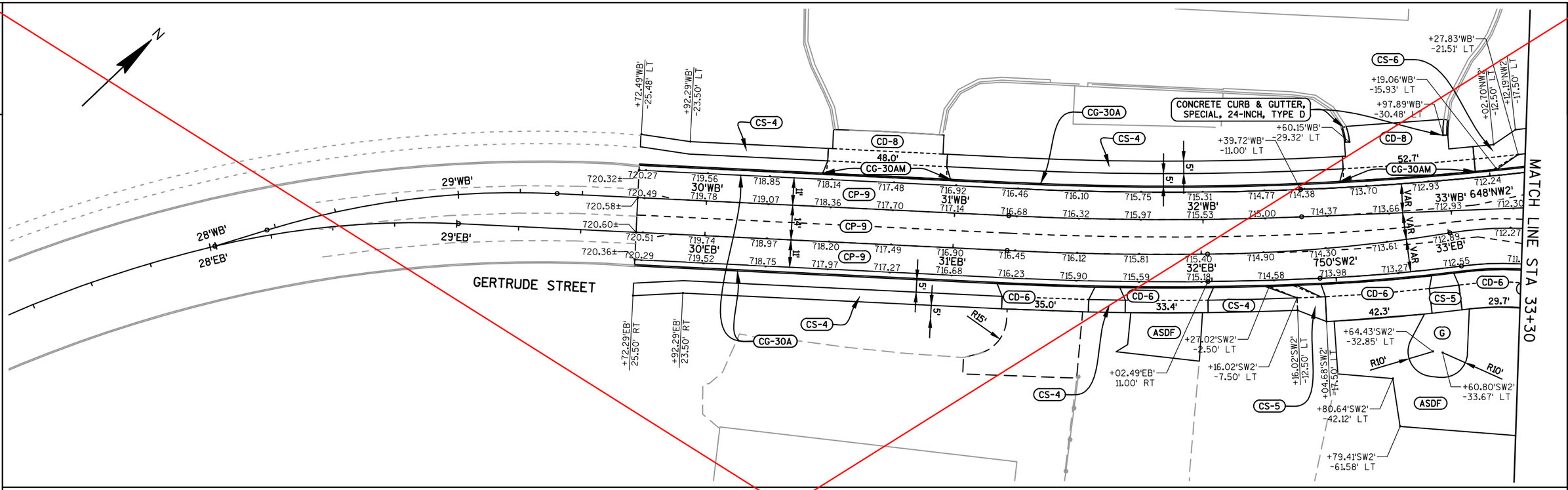

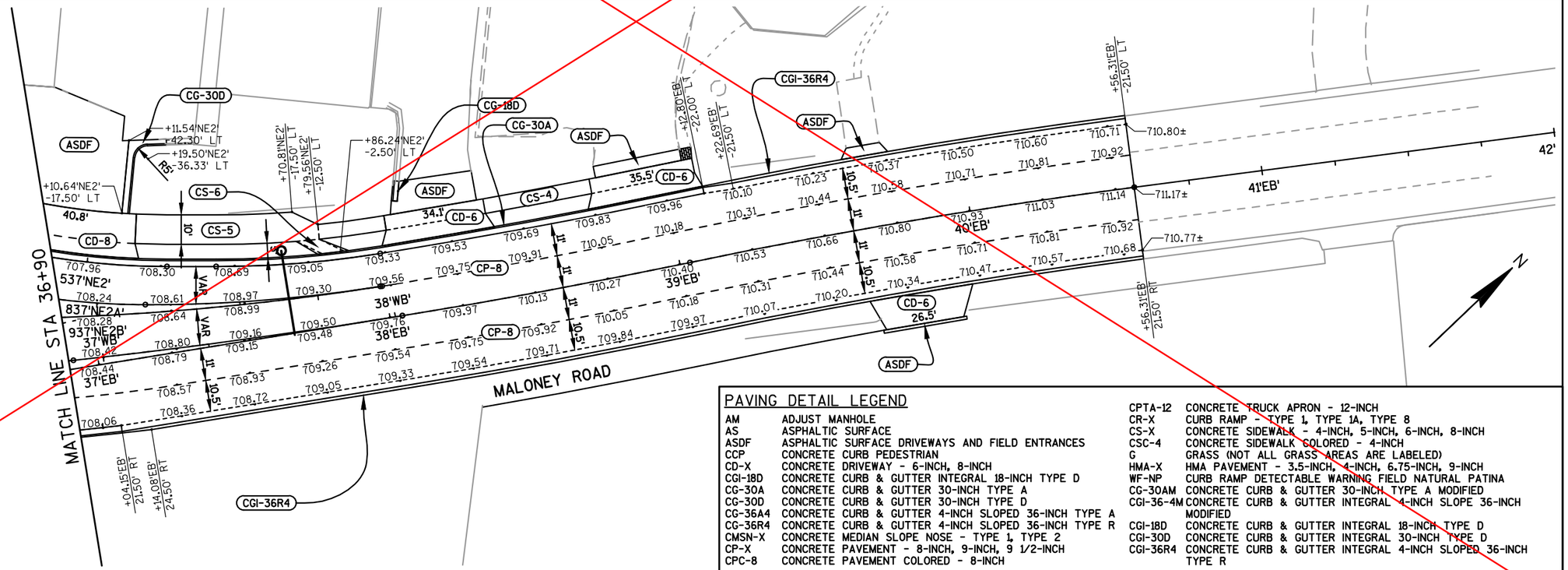

PAVING DETAIL LEGEND

AM	ADJUST MANHOLE	CPTA-12	CONCRETE TRUCK APRON - 12-INCH
AS	ASPHALTIC SURFACE	CR-X	CURB RAMP - TYPE 1, TYPE 1A, TYPE 8
ASDF	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES	CS-X	CONCRETE SIDEWALK - 4-INCH, 5-INCH, 6-INCH, 8-INCH
CCP	CONCRETE CURB PEDESTRIAN	CSC-4	CONCRETE SIDEWALK COLORED - 4-INCH
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CGI-18D	CONCRETE CURB & GUTTER INTEGRAL 18-INCH TYPE D	HMA-X	HMA PAVEMENT - 3.5-INCH, 4-INCH, 6.75-INCH, 9-INCH
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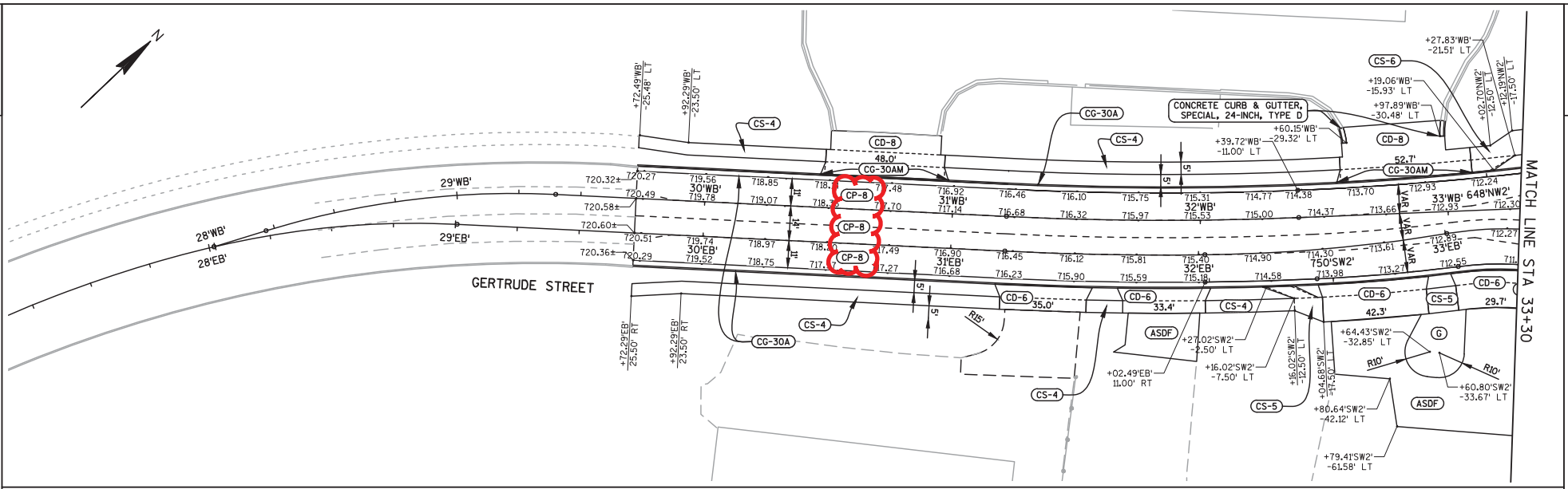
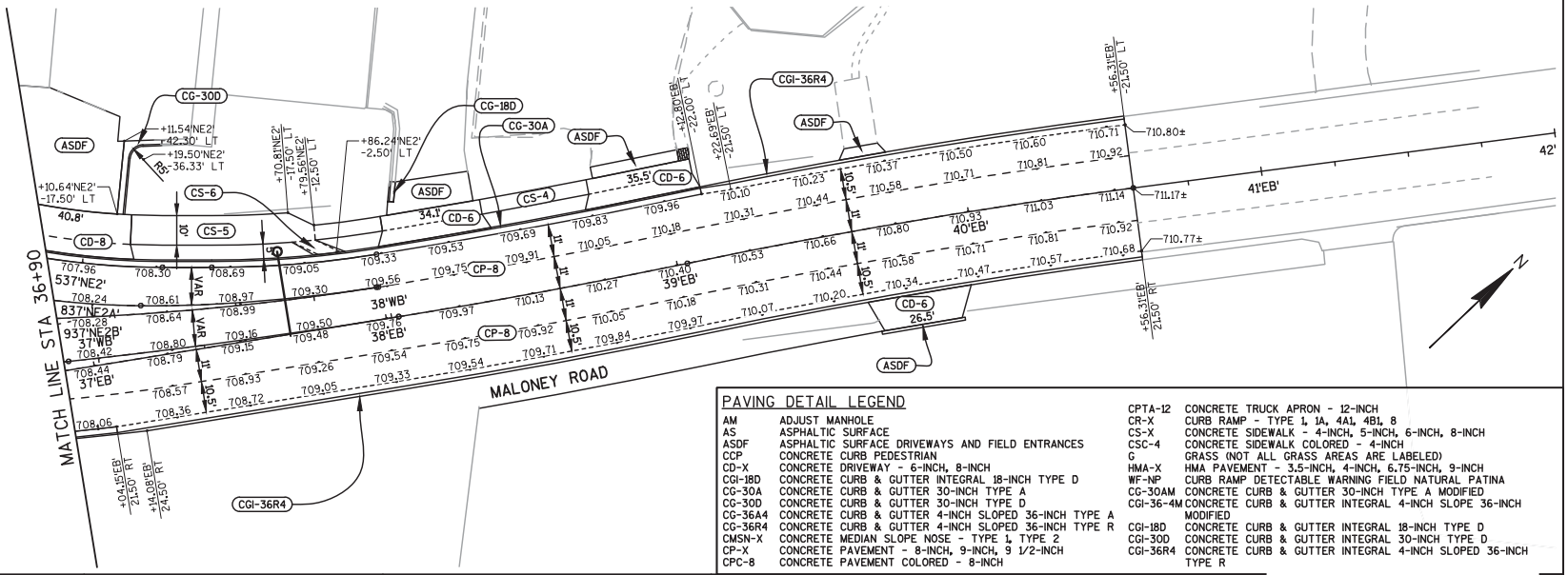
CP-X	CONCRETE PAVEMENT - 8-INCH, 9-INCH, 9 1/2-INCH	CGI-36R4	CONCRETE CURB & GUTTER INTEGRAL 4-INCH SLOPED 36-INCH TYPE R
CPC-8	CONCRETE PAVEMENT COLORED - 8-INCH		

PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	PAVING DETAILS - GERTRUDE STREET / MALONEY ROAD	SHEET 78 E





Addendum No.01
ID 4650-08-71
Revised Sheet 78
December 4, 2017

PAVING DETAIL LEGEND

AM	ADJUST MANHOLE
AS	ASPHALTIC SURFACE
ASDF	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES
CCP	CONCRETE CURB PEDESTRIAN
CD-X	CONCRETE DRIVEWAY - 6-INCH, 8-INCH
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CGI-18D	CONCRETE CURB & GUTTER INTEGRAL 18-INCH TYPE D
CGI-30D	CONCRETE CURB & GUTTER INTEGRAL 30-INCH TYPE D
CGI-36R4	CONCRETE CURB & GUTTER INTEGRAL 4-INCH SLOPED 36-INCH TYPE R

PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	PAVING DETAILS - GERTRUDE STREET / MALONEY ROAD	REVISED SHEET 78

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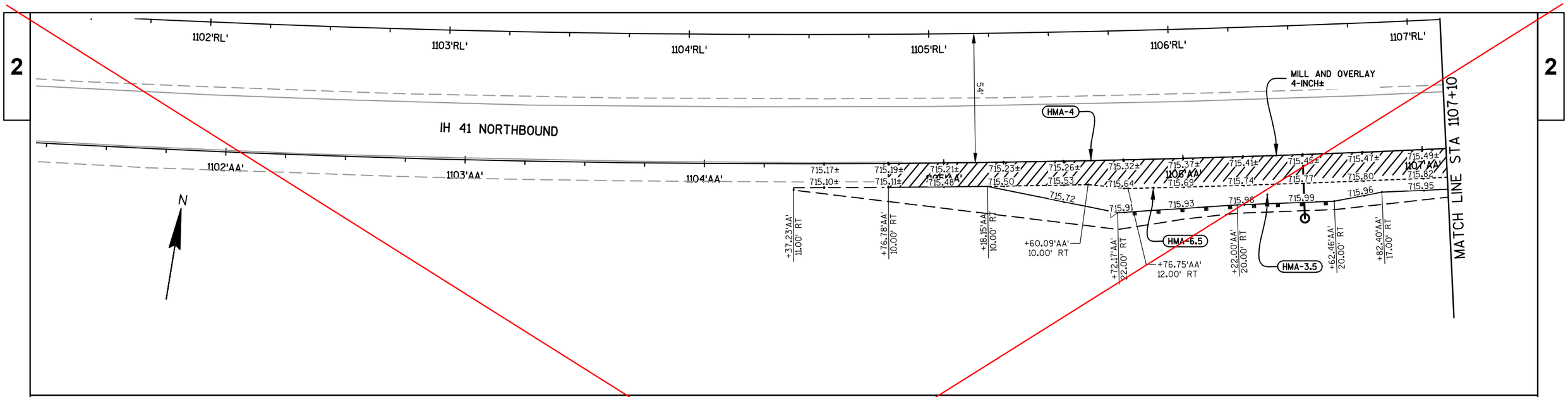

PAVING DETAIL LEGEND

AM	ADJUST MANHOLE
AS	ASPHALTIC SURFACE
ASDF	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES
CCP	CONCRETE CURB PEDESTRIAN
CD-X	CONCRETE DRIVEWAY - 6-INCH, 8-INCH
CGI-18D	CONCRETE CURB & GUTTER INTEGRAL 18-INCH TYPE D
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CG-36A4	CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE A
CG-36R4	CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE R
CMSN-X	CONCRETE MEDIAN SLOPE NOSE - TYPE 1, TYPE 2
CP-X	CONCRETE PAVEMENT - 8-INCH, 9-INCH, 9 1/2-INCH
CPC-8	CONCRETE PAVEMENT COLORED - 8-INCH
CPTA-12	CONCRETE TRUCK APRON - 12-INCH
CR-X	CURB RAMP - TYPE 1, TYPE 1A, TYPE 8
CS-X	CONCRETE SIDEWALK - 4-INCH, 5-INCH, 6-INCH, 8-INCH
CSC-4	CONCRETE SIDEWALK COLORED - 4-INCH
G	GRASS (NOT ALL GRASS AREAS ARE LABELED)
HMA-X	HMA PAVEMENT - 3.5-INCH, 4-INCH, 6.75-INCH, 9-INCH
WF-NP	CURB RAMP DETECTABLE WARNING FIELD NATURAL PATINA
CG-30AM	CONCRETE CURB & GUTTER 30-INCH TYPE A MODIFIED
CGI-36-4M	CONCRETE CURB & GUTTER INTEGRAL 4-INCH SLOPE 36-INCH MODIFIED
CGI-18D	CONCRETE CURB & GUTTER INTEGRAL 18-INCH TYPE D
CGI-30D	CONCRETE CURB & GUTTER INTEGRAL 30-INCH TYPE D
CGI-36R4	CONCRETE CURB & GUTTER INTEGRAL 4-INCH SLOPED 36-INCH TYPE R

PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	PAVING DETAILS - IH 41 NORTHBOUND OFF-RAMP ('AA')	SHEET 79 E

FILE NAME : F:\TR\JOBS\E1859A08\CIVIL 3D 2012\SHEETSPLAN\46500871_021200_PD.DWG
46500871_021254_pd
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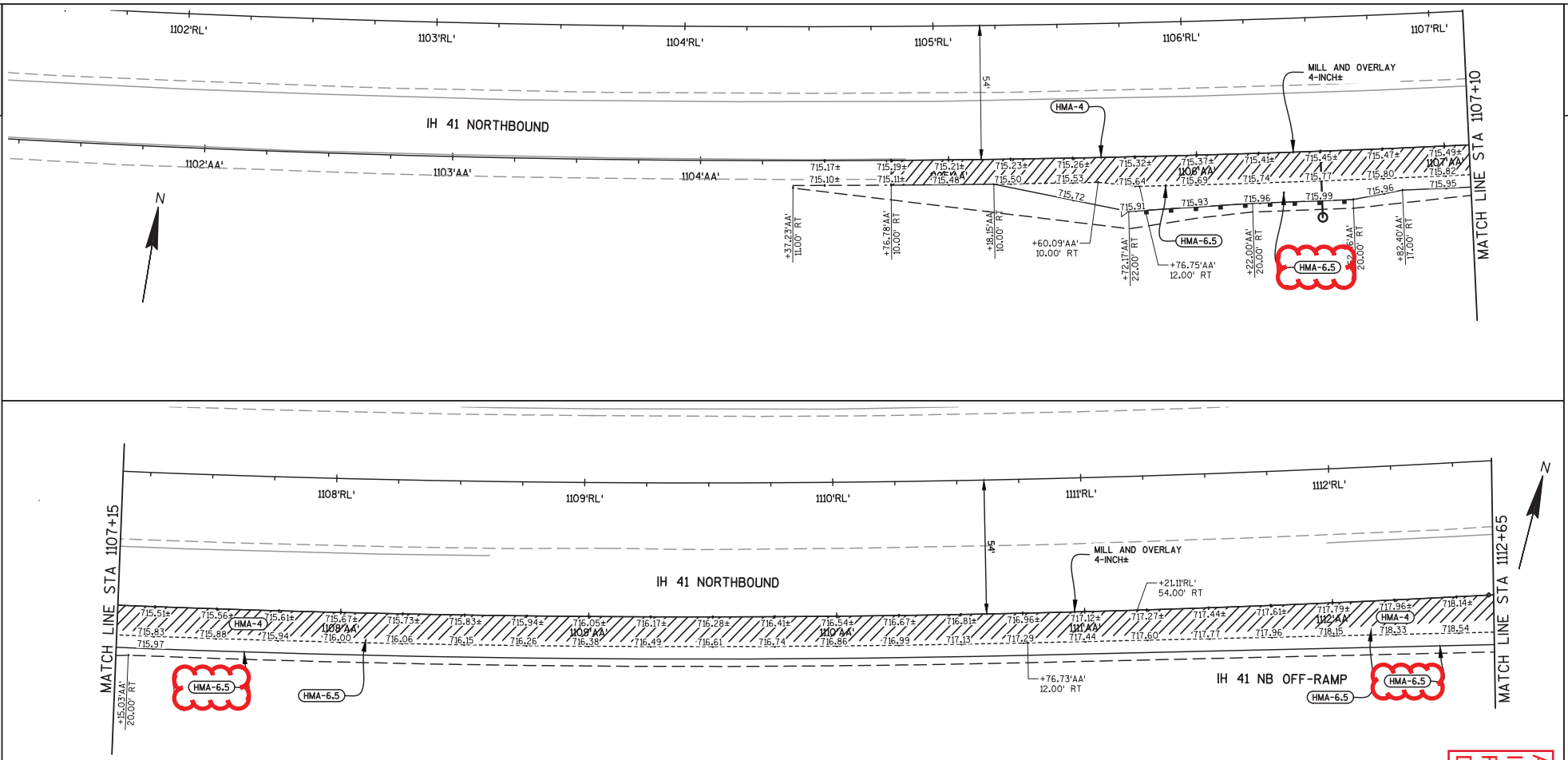

PAVING DETAIL LEGEND

AM	ADJUST MANHOLE
AS	ASPHALTIC SURFACE
ASDF	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES
CCP	CONCRETE CURB PEDESTRIAN
CD-X	CONCRETE DRIVEWAY - 6-INCH, 8-INCH
CGI-18D	CONCRETE CURB & GUTTER INTEGRAL 18-INCH TYPE D
CG-30A	CONCRETE CURB & GUTTER 30-INCH TYPE A
CG-30D	CONCRETE CURB & GUTTER 30-INCH TYPE D
CG-36A4	CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE A
CG-36R4	CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE R
CMSN-X	CONCRETE MEDIAN SLOPE NOSE - TYPE 1, TYPE 2
CP-X	CONCRETE PAVEMENT - 8-INCH, 9-INCH, 9 1/2-INCH
CPC-8	CONCRETE PAVEMENT COLORED - 8-INCH
CPTA-12	CONCRETE TRUCK APRON - 12-INCH
CR-X	CURB RAMP - TYPE 1, 1A, 4A1, 4B1, 8
CS-X	CONCRETE SIDEWALK - 4-INCH, 5-INCH, 6-INCH, 8-INCH
CSC-4	CONCRETE SIDEWALK COLORED - 4-INCH
G	GRASS (NOT ALL GRASS AREAS ARE LABELED)
HMA-X	HMA PAVEMENT - 3.5-INCH, 4-INCH, 6.75-INCH, 9-INCH
WF-NP	CURB RAMP DETECTABLE WARNING FIELD NATURAL PATINA
CG-30AM	CONCRETE CURB & GUTTER 30-INCH TYPE A MODIFIED
CGI-36-4M	CONCRETE CURB & GUTTER INTEGRAL 4-INCH SLOPE 36-INCH MODIFIED
CGI-18D	CONCRETE CURB & GUTTER INTEGRAL 18-INCH TYPE D
CGI-30D	CONCRETE CURB & GUTTER INTEGRAL 30-INCH TYPE D
CGI-36R4	CONCRETE CURB & GUTTER INTEGRAL 4-INCH SLOPED 36-INCH TYPE R

Addendum No.01
ID 4650-08-71
Revised Sheet 79
December 4, 2017

PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	PAVING DETAILS - IH 41 NORTHBOUND OFF-RAMP ('AA')	REVISED SHEET 79	E

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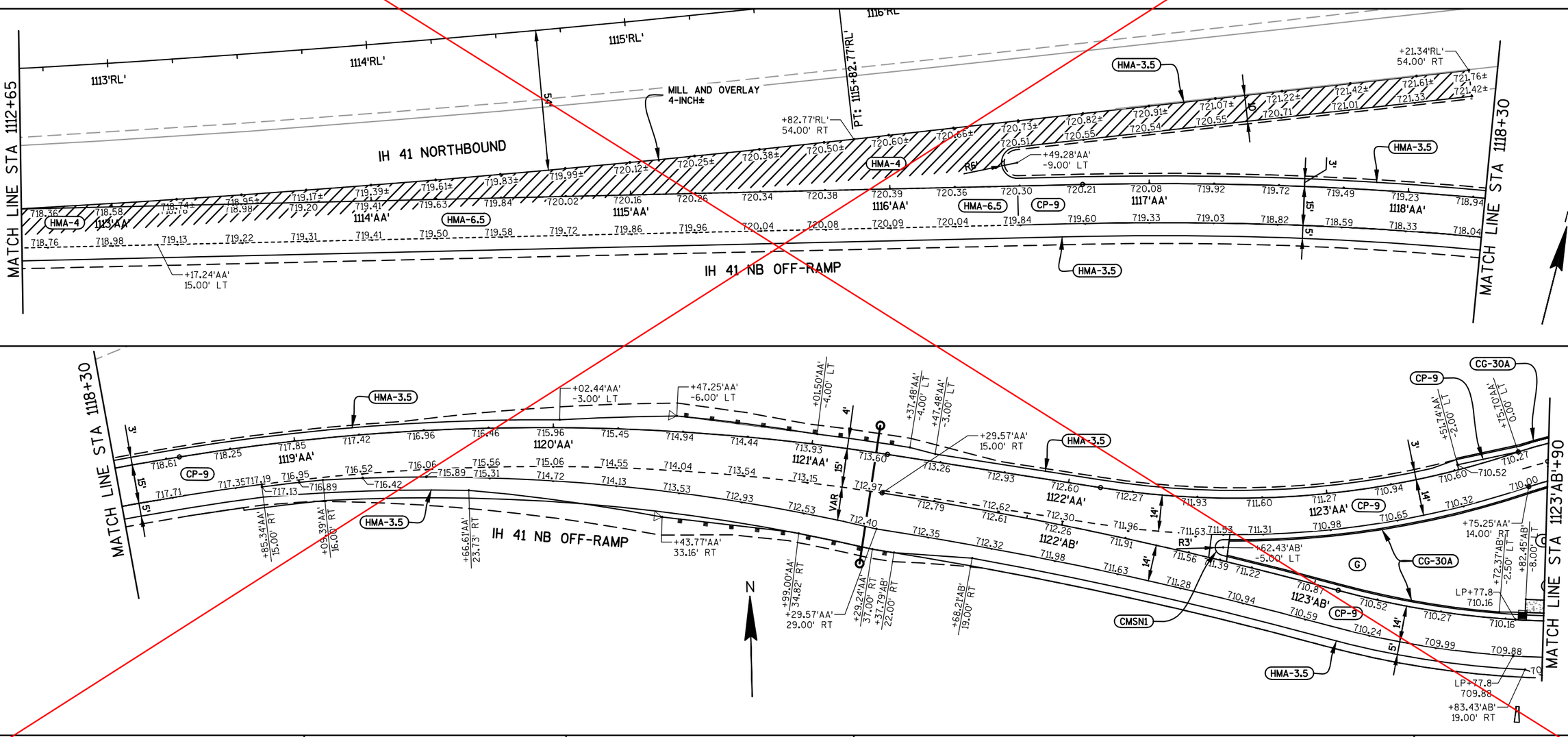
PLOT DATE : 11/30/2017 1:50 PM
PLOT BY : OMNNI ASSOCIATES, INC - ANDREW WESTBROOK
46500871_021254_pd

PAVING DETAIL LEGEND

AM	ADJUST MANHOLE
AS	ASPHALTIC SURFACE
ASDF	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES
CCP	CONCRETE CURB PEDESTRIAN
CD-X	CONCRETE DRIVEWAY - 6-INCH, 8-INCH
CGI-18D	CONCRETE CURB & GUTTER INTEGRAL 18-INCH TYPE D
CG-30A	CONCRETE CURB & GUTTER 30-INCH TYPE A
CG-30D	CONCRETE CURB & GUTTER 30-INCH TYPE D
CG-36A4	CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE A
CG-36R4	CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE R
CMSN-X	CONCRETE MEDIAN SLOPE NOSE - TYPE 1, TYPE 2
CP-X	CONCRETE PAVEMENT - 8-INCH, 9-INCH, 9 1/2-INCH
CPC-8	CONCRETE PAVEMENT COLORED - 8-INCH
CPTA-12	CONCRETE TRUCK APRON - 12-INCH
CR-X	CURB RAMP - TYPE 1, TYPE 1A, TYPE 8
CS-X	CONCRETE SIDEWALK - 4-INCH, 5-INCH, 6-INCH, 8-INCH
CSC-4	CONCRETE SIDEWALK COLORED - 4-INCH
G	GRASS (NOT ALL GRASS AREAS ARE LABELED)
HMA-X	HMA PAVEMENT - 3.5-INCH, 4-INCH, 6.75-INCH, 9-INCH
WF-NP	CURB RAMP DETECTABLE WARNING FIELD NATURAL PATINA
CG-30AM	CONCRETE CURB & GUTTER 30-INCH TYPE A MODIFIED
CGI-36-4M	CONCRETE CURB & GUTTER INTEGRAL 4-INCH SLOPE 36-INCH MODIFIED
CGI-18D	CONCRETE CURB & GUTTER INTEGRAL 18-INCH TYPE D
CGI-30D	CONCRETE CURB & GUTTER INTEGRAL 30-INCH TYPE D
CGI-36R4	CONCRETE CURB & GUTTER INTEGRAL 4-INCH SLOPED 36-INCH TYPE R



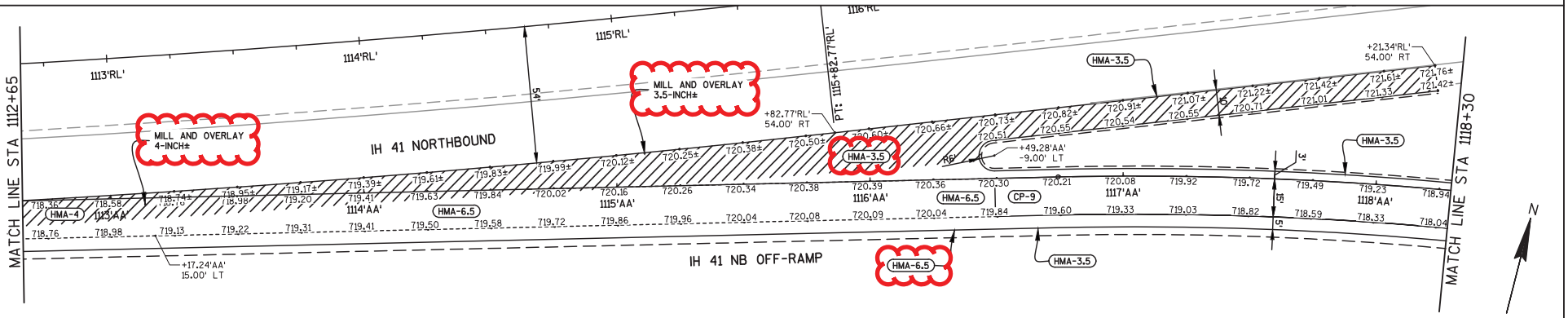
PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	PAVING DETAILS - IH 41 NORTHBOUND OFF-RAMP ('AA')	SHEET 80 E

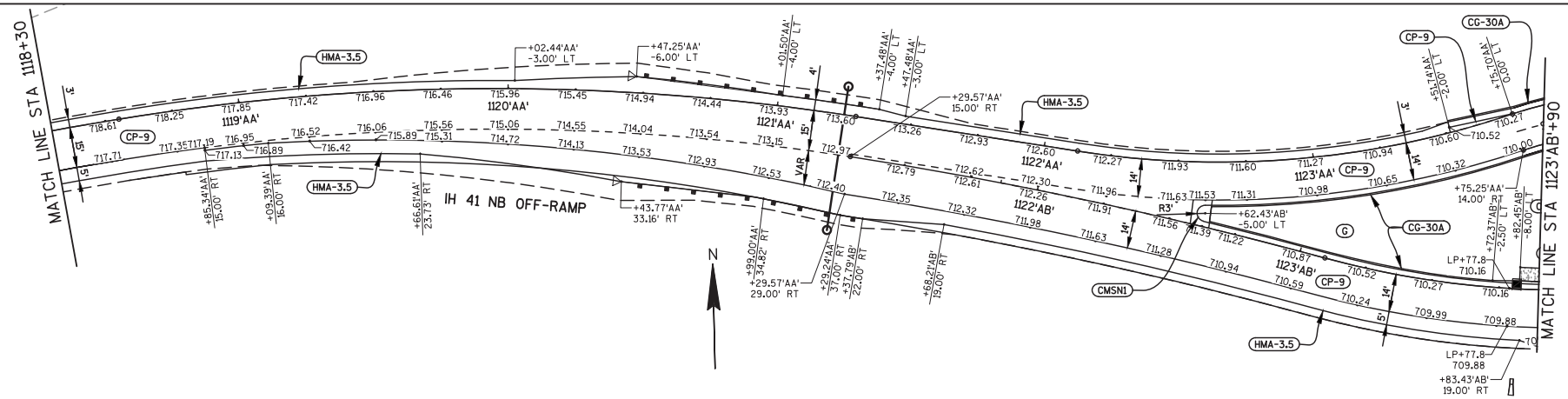
2

PAVING DETAIL LEGEND

AM	ADJUST MANHOLE
AS	ASPHALTIC SURFACE
ASDF	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES
CCP	CONCRETE CURB PEDESTRIAN
CD-X	CONCRETE DRIVEWAY - 6-INCH, 8-INCH
CGI-18D	CONCRETE CURB & GUTTER INTEGRAL 18-INCH TYPE D
CG-30A	CONCRETE CURB & GUTTER 30-INCH TYPE A
CG-30D	CONCRETE CURB & GUTTER 30-INCH TYPE D
CG-36A4	CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE A
CG-36R4	CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE R
CMSN-X	CONCRETE MEDIAN SLOPE NOSE - TYPE 1, TYPE 2
CP-X	CONCRETE PAVEMENT - 8-INCH, 9-INCH, 9 1/2-INCH
CPC-8	CONCRETE PAVEMENT COLORED - 8-INCH
CPTA-12	CONCRETE TRUCK APRON - 12-INCH
CR-X	CURB RAMP - TYPE 1, 1A, 4A1, 4B1, 8
CS-X	CONCRETE SIDEWALK - 4-INCH, 5-INCH, 6-INCH, 8-INCH
CSC-4	CONCRETE SIDEWALK COLORED - 4-INCH
G	GRASS (NOT ALL GRASS AREAS ARE LABELED)
HMA-X	HMA PAVEMENT - 3.5-INCH, 4-INCH, 6.75-INCH, 9-INCH
WF-NP	CURB RAMP DETECTABLE WARNING FIELD NATURAL PATINA
CG-30AM	CONCRETE CURB & GUTTER 30-INCH TYPE A MODIFIED
CGI-36-4M	CONCRETE CURB & GUTTER INTEGRAL 4-INCH SLOPE 36-INCH MODIFIED
CGI-18D	CONCRETE CURB & GUTTER INTEGRAL 18-INCH TYPE D
CGI-30D	CONCRETE CURB & GUTTER INTEGRAL 30-INCH TYPE D
CGI-36R4	CONCRETE CURB & GUTTER INTEGRAL 4-INCH SLOPED 36-INCH TYPE R

Addendum No.01
ID 4650-08-71
Revised Sheet 80
December 4, 2017





PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	PAVING DETAILS - IH 41 NORTHBOUND OFF-RAMP ('AA')	REVISED SHEET 80	E

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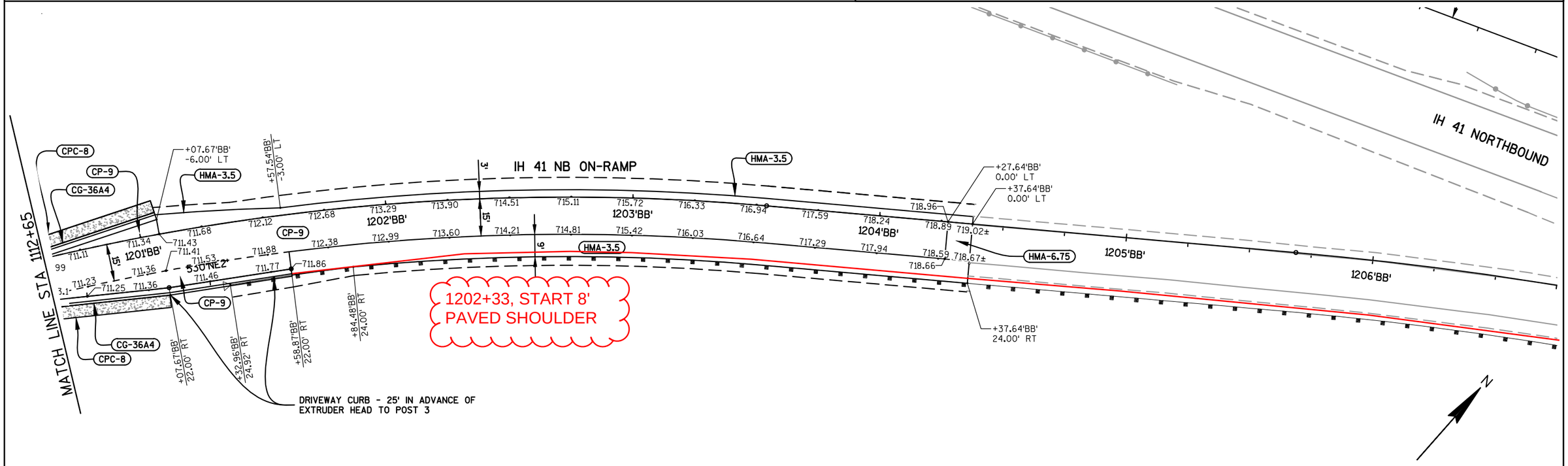
2

PAVING DETAIL LEGEND

AM	ADJUST MANHOLE
AS	ASPHALTIC SURFACE
ASDF	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES
CCP	CONCRETE CURB PEDESTRIAN
CD-X	CONCRETE DRIVEWAY - 6-INCH, 8-INCH
CGI-18D	CONCRETE CURB & GUTTER INTEGRAL 18-INCH TYPE D
CG-30A	CONCRETE CURB & GUTTER 30-INCH TYPE A
CG-30D	CONCRETE CURB & GUTTER 30-INCH TYPE D
CG-36A4	CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE A
CG-36R4	CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE R
CMSN-X	CONCRETE MEDIAN SLOPE NOSE - TYPE 1, TYPE 2
CP-X	CONCRETE PAVEMENT - 8-INCH, 9-INCH, 9 1/2-INCH
CPC-8	CONCRETE PAVEMENT COLORED - 8-INCH
CPTA-12	CONCRETE TRUCK APRON - 12-INCH
CR-X	CURB RAMP - TYPE 1, TYPE 1A, TYPE 8
CS-X	CONCRETE SIDEWALK - 4-INCH, 5-INCH, 6-INCH, 8-INCH
CSC-4	CONCRETE SIDEWALK COLORED - 4-INCH
G	GRASS (NOT ALL GRASS AREAS ARE LABELED)
HMA-X	HMA PAVEMENT - 3.5-INCH, 4-INCH, 6.75-INCH, 9-INCH
WF-NP	CURB RAMP DETECTABLE WARNING FIELD NATURAL PATINA
CG-30AM	CONCRETE CURB & GUTTER 30-INCH TYPE A MODIFIED
CGI-36-4M	CONCRETE CURB & GUTTER INTEGRAL 4-INCH SLOPE 36-INCH MODIFIED
CGI-18D	CONCRETE CURB & GUTTER INTEGRAL 18-INCH TYPE D
CGI-30D	CONCRETE CURB & GUTTER INTEGRAL 30-INCH TYPE D
CGI-36R4	CONCRETE CURB & GUTTER INTEGRAL 4-INCH SLOPED 36-INCH TYPE R



PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	PAVING DETAILS - IH 41 NORTHBOUND ON-RAMP ('BB')	SHEET 81	E

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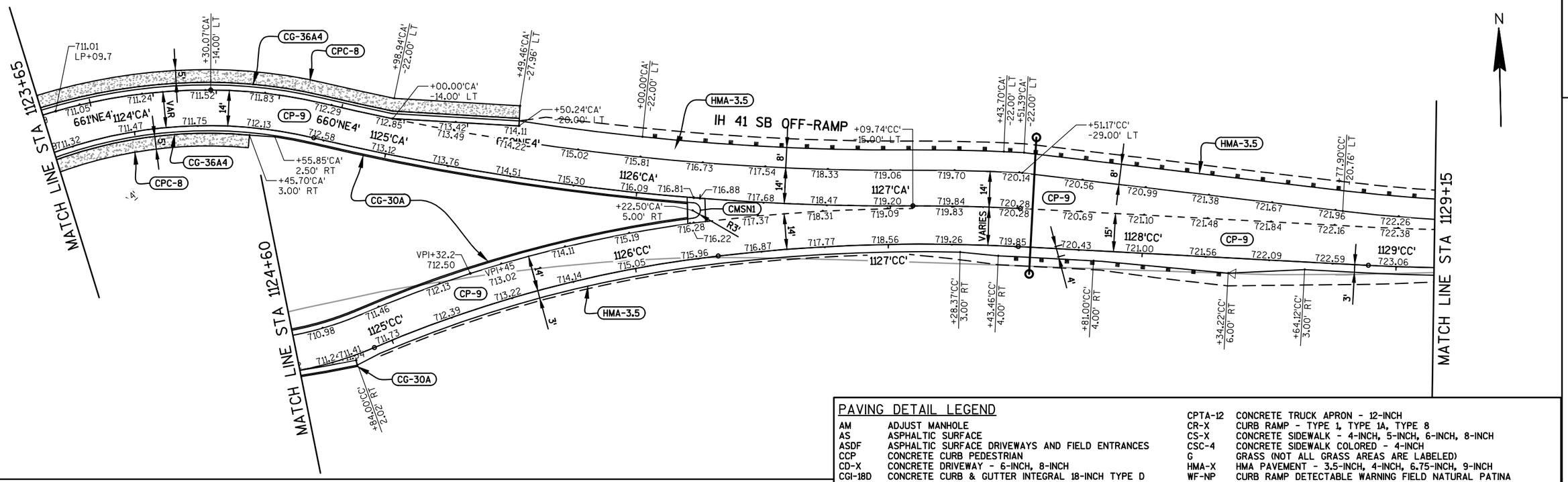
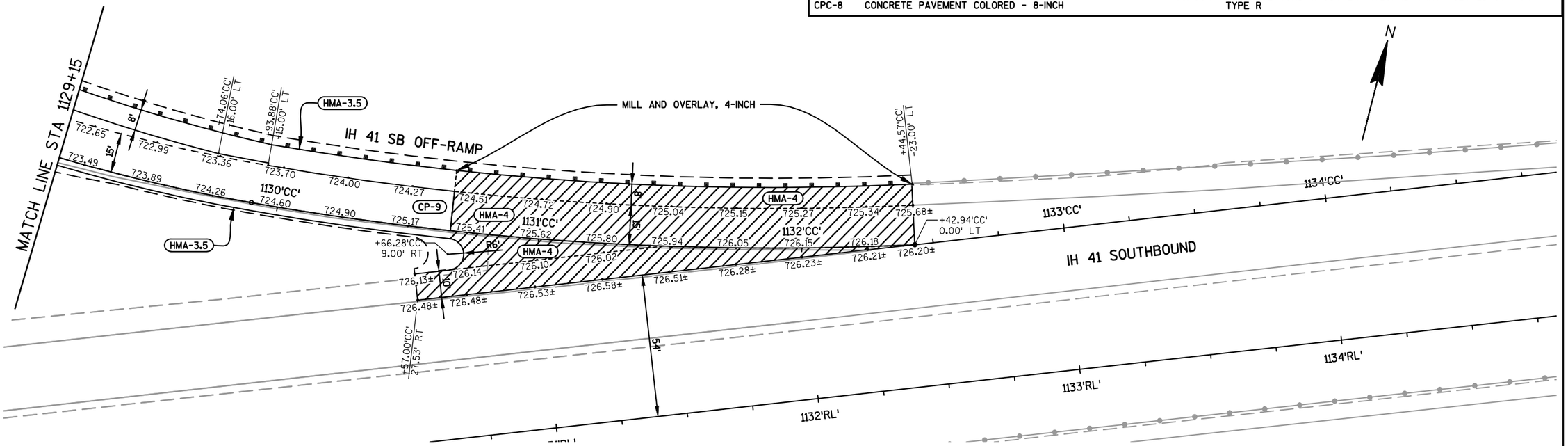
PLOT BY : OMNNI ASSOCIATES, INC - CRAIG KNUTH



PAVING DETAIL LEGEND

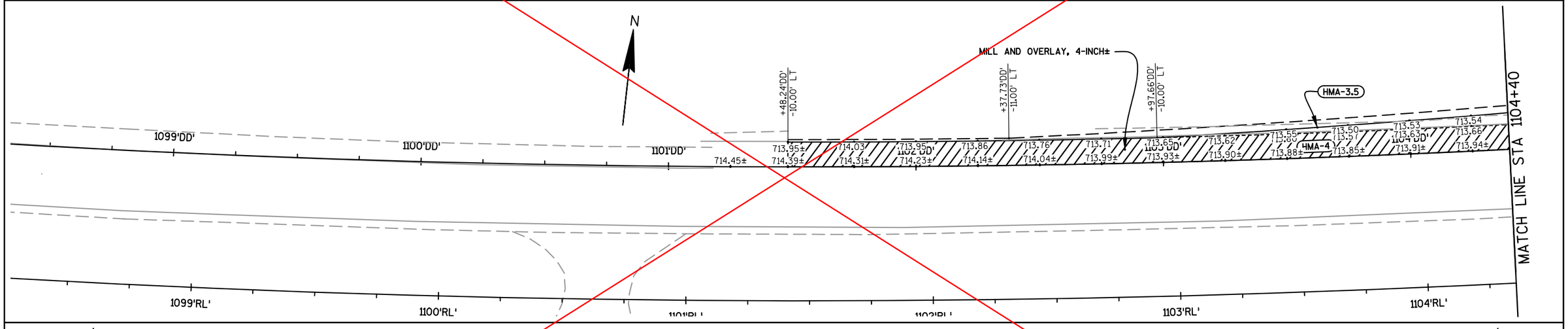
AM	ADJUST MANHOLE	CPTA-12	CONCRETE TRUCK APRON - 12-INCH
AS	ASPHALTIC SURFACE	CR-X	CURB RAMP - TYPE 1, TYPE 1A, TYPE 8
ASDF	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES	CS-X	CONCRETE SIDEWALK - 4-INCH, 5-INCH, 6-INCH, 8-INCH
CCP	CONCRETE CURB PEDESTRIAN	CSC-4	CONCRETE SIDEWALK COLORED - 4-INCH
CD-X	CONCRETE DRIVEWAY - 6-INCH, 8-INCH	G	GRASS (NOT ALL GRASS AREAS ARE LABELED)
CGI-18D	CONCRETE CURB & GUTTER INTEGRAL 18-INCH TYPE D	HMA-X	HMA PAVEMENT - 3.5-INCH, 4-INCH, 6.75-INCH, 9-INCH
CG-30A	CONCRETE CURB & GUTTER 30-INCH TYPE A	WF-NP	CURB RAMP DETECTABLE WARNING FIELD NATURAL PATINA
CG-30D	CONCRETE CURB & GUTTER 30-INCH TYPE D	CG-30AM	CONCRETE CURB & GUTTER 30-INCH TYPE A MODIFIED
CG-36A4	CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE A	CGI-36-4M	CONCRETE CURB & GUTTER INTEGRAL 4-INCH SLOPE 36-INCH MODIFIED
CG-36R4	CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE R	CGI-18D	CONCRETE CURB & GUTTER INTEGRAL 18-INCH TYPE D
CMSN-X	CONCRETE MEDIAN SLOPE NOSE - TYPE 1, TYPE 2	CGI-30D	CONCRETE CURB & GUTTER INTEGRAL 30-INCH TYPE D
CP-X	CONCRETE PAVEMENT - 8-INCH, 9-INCH, 9 1/2-INCH	CGI-36R4	CONCRETE CURB & GUTTER INTEGRAL 4-INCH SLOPED 36-INCH TYPE R
CPC-8	CONCRETE PAVEMENT COLORED - 8-INCH		

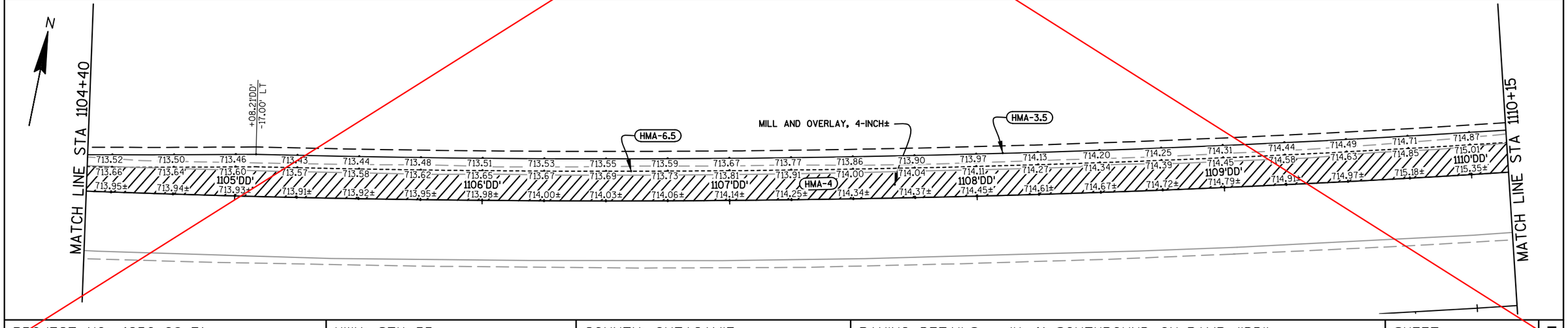


PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	PAVING DETAILS - IH 41 SOUTHBOUND OFF-RAMP ('CC')	SHEET 82	E

PAVING DETAIL LEGEND

AM	ADJUST MANHOLE
AS	ASPHALTIC SURFACE
ASDF	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES
CCP	CONCRETE CURB PEDESTRIAN
CD-X	CONCRETE DRIVEWAY - 6-INCH, 8-INCH
CGI-18D	CONCRETE CURB & GUTTER INTEGRAL 18-INCH TYPE D
CG-30A	CONCRETE CURB & GUTTER 30-INCH TYPE A
CG-30D	CONCRETE CURB & GUTTER 30-INCH TYPE D
CG-36A4	CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE A
CG-36R4	CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE R
CMSN-X	CONCRETE MEDIAN SLOPE NOSE - TYPE 1, TYPE 2
CP-X	CONCRETE PAVEMENT - 8-INCH, 9-INCH, 9 1/2-INCH
CPC-8	CONCRETE PAVEMENT COLORED - 8-INCH
CPTA-12	CONCRETE TRUCK APRON - 12-INCH
CR-X	CURB RAMP - TYPE 1, TYPE 1A, TYPE 8
CS-X	CONCRETE SIDEWALK - 4-INCH, 5-INCH, 6-INCH, 8-INCH
CSC-4	CONCRETE SIDEWALK COLORED - 4-INCH
G	GRASS (NOT ALL GRASS AREAS ARE LABELED)
HMA-X	HMA PAVEMENT - 3.5-INCH, 4-INCH, 6.75-INCH, 9-INCH
WF-NP	CURB RAMP DETECTABLE WARNING FIELD NATURAL PATINA
CG-30AM	CONCRETE CURB & GUTTER 30-INCH TYPE A MODIFIED
CGI-36-4M	CONCRETE CURB & GUTTER INTEGRAL 4-INCH SLOPE 36-INCH MODIFIED
CGI-18D	CONCRETE CURB & GUTTER INTEGRAL 18-INCH TYPE D
CGI-30D	CONCRETE CURB & GUTTER INTEGRAL 30-INCH TYPE D
CGI-36R4	CONCRETE CURB & GUTTER INTEGRAL 4-INCH SLOPED 36-INCH TYPE R





PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	PAVING DETAILS - IH 41 SOUTHBOUND ON-RAMP ('DD')	SHEET 83 E

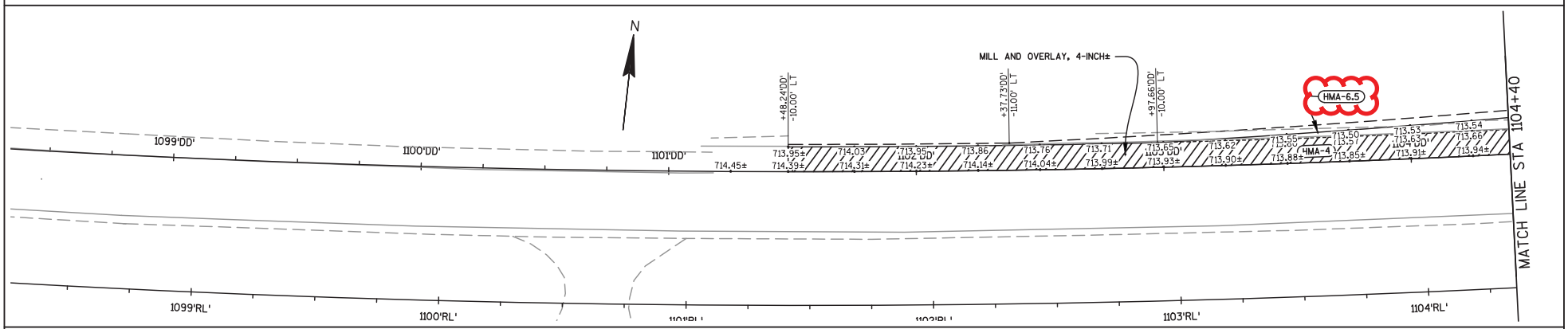
FILE NAME : F:\TR\JOBS\E1859A08\CIVIL 3D 2012\SHEETSPLAN\46500871_021200_PD.DWG PLOT DATE : 7/19/2017 9:50 AM PLOT BY : OMNNI ASSOCIATES, INC - CRAIG KNUTH

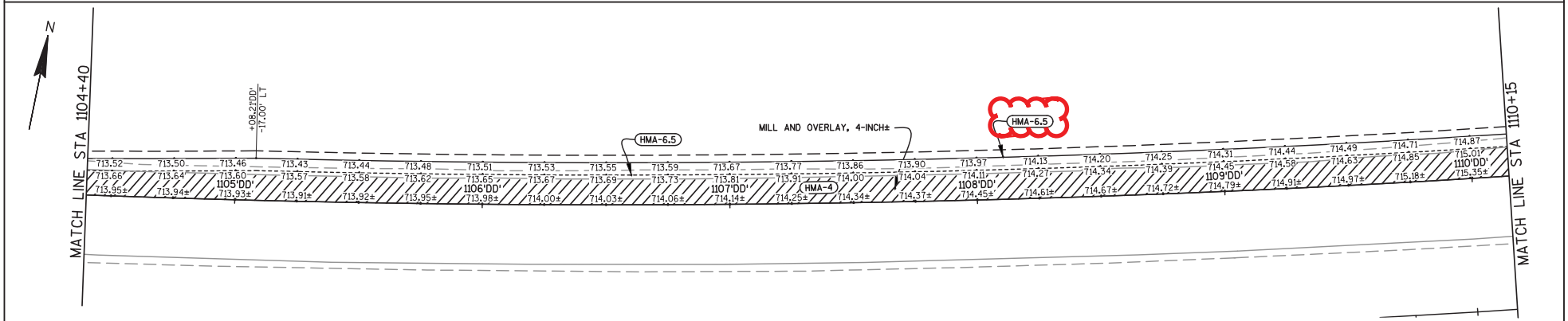
46500871_021258_pd

PAVING DETAIL LEGEND

AM	ADJUST MANHOLE	CPTA-12	CONCRETE TRUCK APRON - 12-INCH
AS	ASPHALTIC SURFACE	CR-X	CURB RAMP - TYPE 1, 1A, 4A1, 4B1, 8
ASDF	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES	CS-X	CONCRETE SIDEWALK - 4-INCH, 5-INCH, 6-INCH, 8-INCH
CCP	CONCRETE CURB PEDESTRIAN	CSC-4	CONCRETE SIDEWALK COLORED - 4-INCH
CD-X	CONCRETE DRIVEWAY - 6-INCH, 8-INCH	G	GRASS (NOT ALL GRASS AREAS ARE LABELED)
CGI-18D	CONCRETE CURB & GUTTER INTEGRAL 18-INCH TYPE D	HMA-X	HMA PAVEMENT - 3.5-INCH, 4-INCH, 6.75-INCH, 9-INCH
CG-30A	CONCRETE CURB & GUTTER 30-INCH TYPE A	WF-NP	CURB RAMP DETECTABLE WARNING FIELD NATURAL PATINA
CG-30D	CONCRETE CURB & GUTTER 30-INCH TYPE D	CG-30AM	CONCRETE CURB & GUTTER 30-INCH TYPE A MODIFIED
CG-36A4	CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE A	CGI-36-4M	CONCRETE CURB & GUTTER INTEGRAL 4-INCH SLOPE 36-INCH MODIFIED
CG-36R4	CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE R	CGI-18D	CONCRETE CURB & GUTTER INTEGRAL 18-INCH TYPE D
CMSN-X	CONCRETE MEDIAN SLOPE NOSE - TYPE 1, TYPE 2	CGI-30D	CONCRETE CURB & GUTTER INTEGRAL 30-INCH TYPE D
CP-X	CONCRETE PAVEMENT - 8-INCH, 9-INCH, 9 1/2-INCH	CGI-36R4	CONCRETE CURB & GUTTER INTEGRAL 4-INCH SLOPED 36-INCH TYPE R
CPC-8	CONCRETE PAVEMENT COLORED - 8-INCH		

Addendum No.01
ID 4650-08-71
Revised Sheet 83
December 4, 2017





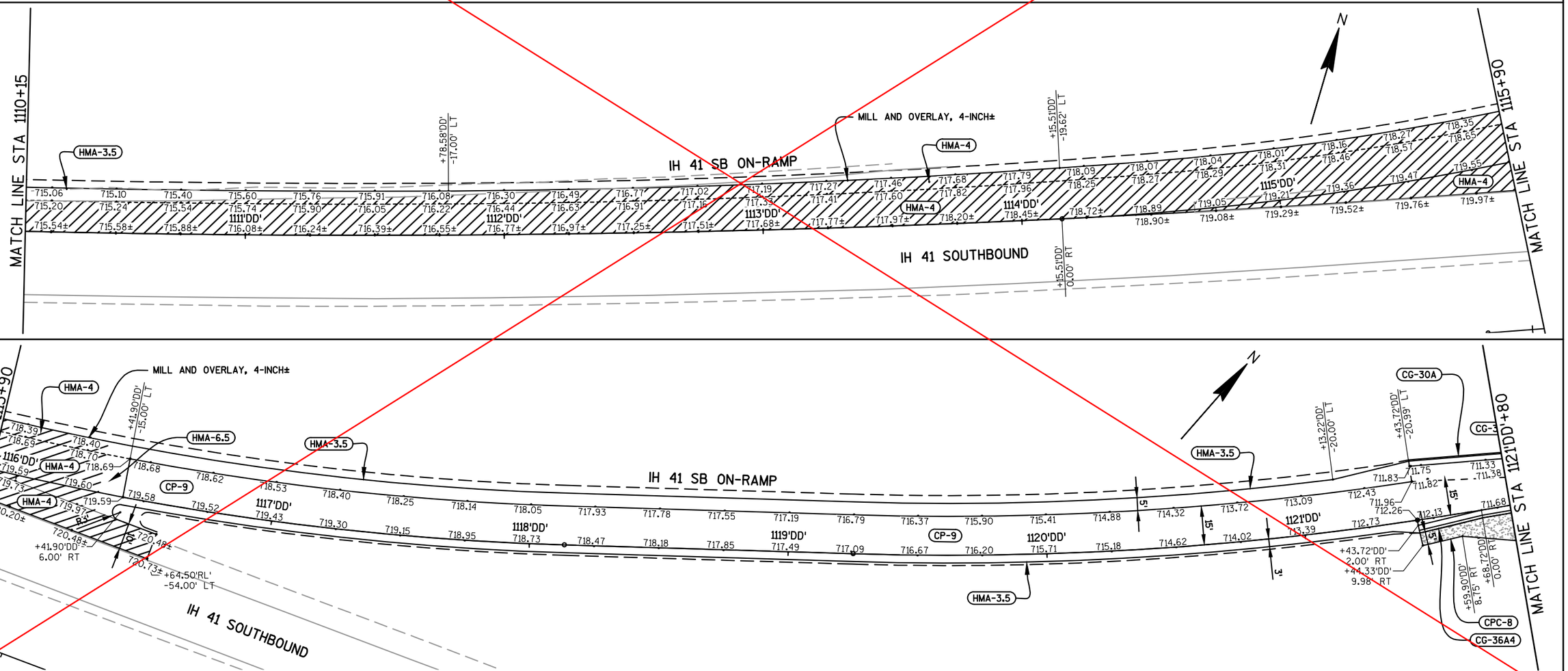
PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	PAVING DETAILS - IH 41 SOUTHBOUND ON-RAMP ('DD')	REVISED SHEET 83	E

FILE NAME : F:\TR\JOBS\E1859A08\CIVIL 3D 2012\SHEETSPLAN\46500871_021200_PD.DWG PLOT DATE : 11/30/2017 1:51 PM PLOT BY : OMNNI ASSOCIATES, INC - ANDREW WESTBROOK

46500871_021258_pd

PAVING DETAIL LEGEND

AM	ADJUST MANHOLE	CPTA-12	CONCRETE TRUCK APRON - 12-INCH
AS	ASPHALTIC SURFACE	CR-X	CURB RAMP - TYPE 1, TYPE 1A, TYPE 8
ASDF	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES	CS-X	CONCRETE SIDEWALK - 4-INCH, 5-INCH, 6-INCH, 8-INCH
CCP	CONCRETE CURB PEDESTRIAN	CSC-4	CONCRETE SIDEWALK COLORED - 4-INCH
CD-X	CONCRETE DRIVEWAY - 6-INCH, 8-INCH	G	GRASS (NOT ALL GRASS AREAS ARE LABELED)
CGI-18D	CONCRETE CURB & GUTTER INTEGRAL 18-INCH TYPE D	HMA-X	HMA PAVEMENT - 3.5-INCH, 4-INCH, 6.75-INCH, 9-INCH
CG-30A	CONCRETE CURB & GUTTER 30-INCH TYPE A	WF-NP	CURB RAMP DETECTABLE WARNING FIELD NATURAL PATINA
CG-30D	CONCRETE CURB & GUTTER 30-INCH TYPE D	CG-30AM	CONCRETE CURB & GUTTER 30-INCH TYPE A MODIFIED
CG-36A4	CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE A	CGI-36-4M	CONCRETE CURB & GUTTER INTEGRAL 4-INCH SLOPE 36-INCH MODIFIED
CG-36R4	CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE R	CGI-18D	CONCRETE CURB & GUTTER INTEGRAL 18-INCH TYPE D
CMSN-X	CONCRETE MEDIAN SLOPE NOSE - TYPE 1, TYPE 2	CGI-30D	CONCRETE CURB & GUTTER INTEGRAL 30-INCH TYPE D
CP-X	CONCRETE PAVEMENT - 8-INCH, 9-INCH, 9 1/2-INCH	CGI-36R4	CONCRETE CURB & GUTTER INTEGRAL 4-INCH SLOPED 36-INCH TYPE R
CPC-8	CONCRETE PAVEMENT COLORED - 8-INCH		



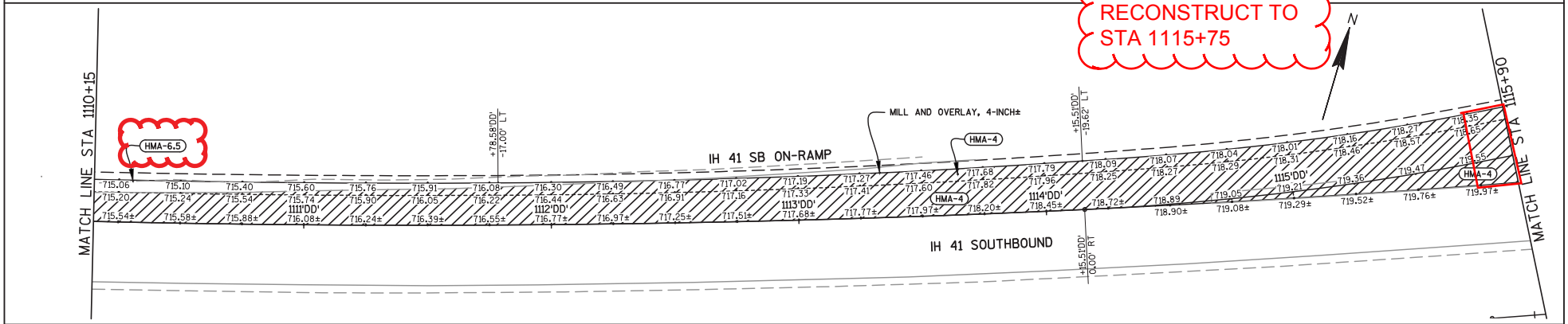
PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	PAVING DETAILS - IH 41 SOUTHBOUND ON-RAMP ('DD')	SHEET 84

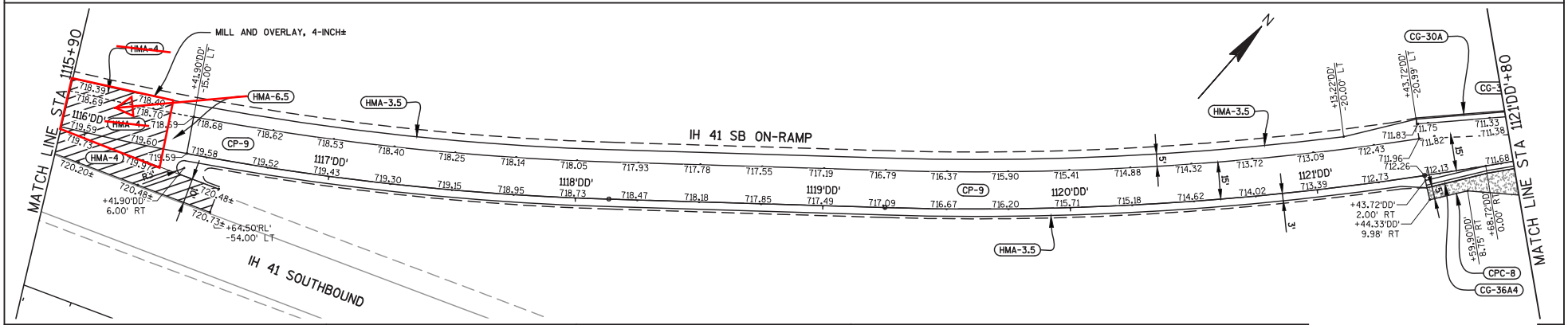
PAVING DETAIL LEGEND

AM	ADJUST MANHOLE	CPTA-12	CONCRETE TRUCK APRON - 12-INCH
AS	ASPHALTIC SURFACE	CR-X	CURB RAMP - TYPE 1, 1A, 4A1, 4B1, 8
ASDF	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES	CS-X	CONCRETE SIDEWALK - 4-INCH, 5-INCH, 6-INCH, 8-INCH
CCP	CONCRETE CURB PEDESTRIAN	CSC-4	CONCRETE SIDEWALK COLORED - 4-INCH
CD-X	CONCRETE DRIVEWAY - 6-INCH, 8-INCH	G	GRASS (NOT ALL GRASS AREAS ARE LABELED)
CGI-18D	CONCRETE CURB & GUTTER INTEGRAL 18-INCH TYPE D	HMA-X	HMA PAVEMENT - 3.5-INCH, 4-INCH, 6.75-INCH, 9-INCH
CG-30A	CONCRETE CURB & GUTTER 30-INCH TYPE A	WF-NP	CURB RAMP DETECTABLE WARNING FIELD NATURAL PATINA
CG-30D	CONCRETE CURB & GUTTER 30-INCH TYPE D	CG-30AM	CONCRETE CURB & GUTTER 30-INCH TYPE A MODIFIED
CG-36A4	CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE A	CGI-36-4M	CONCRETE CURB & GUTTER INTEGRAL 4-INCH SLOPE 36-INCH MODIFIED
CG-36R4	CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE R	CGI-18D	CONCRETE CURB & GUTTER INTEGRAL 18-INCH TYPE D
CMSN-X	CONCRETE MEDIAN SLOPE NOSE - TYPE 1, TYPE 2	CGI-30D	CONCRETE CURB & GUTTER INTEGRAL 30-INCH TYPE D
CP-X	CONCRETE PAVEMENT - 8-INCH, 9-INCH, 9 1/2-INCH	CGI-36R4	CONCRETE CURB & GUTTER INTEGRAL 4-INCH SLOPED 36-INCH TYPE R
CPC-8	CONCRETE PAVEMENT COLORED - 8-INCH		

Addendum No.01
ID 4650-08-71
Revised Sheet 84
December 4, 2017

EXTENDED FULL ASPHALT RECONSTRUCT TO STA 1115+75





PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	PAVING DETAILS - IH 41 SOUTHBOUND ON-RAMP ('DD')

REVISED SHEET 84

E

FILE NAME : F:\TR\JOBS\E1859A08\CIVIL 3D 2012\SHEETSPLAN\46500871_021200_PD.DWG
PLOT DATE : 11/30/2017 1:52 PM
PLOT BY : OMNNI ASSOCIATES, INC - ANDREW WESTBROOK
46500871_021259_pd

2

2

IH 41 NB RAMPS
ROUNDABOUT

252'SB'

252'NB'

253'SB'

253'NB'

256'SB'

256'NB'

257'NB'

CONDUIT
NON METALLIC
2-INCH

SHARED CONDUIT AND PULLBOXES
WITH LIGHTING
(PAID FOR UNDER LIGHTING)

CONDUIT
NON METALLIC
2-INCH

NB RAMP GATE
STA 252+04.45 O/S 50.52' RT
CONCRETE BASE TYPE 5
TRANSFORMER BASES BREAKAWAY
11.5" BOLT CIRCLE
RAMP CLOSURE GATE SOLAR 24-FT
RAMP GATE *

NB CONTROLLER CABINET
STA 253+36.66 O/S 95.05' RT
CONCRETE CONTROL CABINET
BASE TYPE 10
PEDESTAL BASE
TRAFFIC SIGNAL STANDARD
ALUMINUM 15-FT

NB RAMP GATE
STA 254+51.43 O/S 77.44' RT
CONCRETE BASE TYPE 5
TRANSFORMER BASES BREAKAWAY
11.5" BOLT CIRCLE
RAMP CLOSURE GATE SOLAR 40-FT
RAMP GATE *

PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	INTELLIGENT TRANSPORTATION SYSTEM (RAMP GATES)	SHEET 85	E

2

SHARED CONDUIT AND PULLBOXES
WITH LIGHTING
(PAID FOR UNDER LIGHTING)

CONDUIT
NON METALLIC
2-INCH

SB RAMP GATE
STA 261+71.79 O/S 59.21' LT
CONCRETE BASE TYPE 5
TRANSFORMER BASES BREAKAWAY
11.5" BOLT CIRCLE
RAMP CLOSURE GATE SOLAR 40-FT
RAMP GATE

SB CONTROLLER CABINET
STA 262+17.73 O/S 73.44' LT
CONCRETE CONTROL CABINET
BASE TYPE 10
PEDESTAL BASE
TRAFFIC SIGNAL STANDARD
ALUMINUM 15-FT

CONDUIT
NON METALLIC
2-INCH

SHARED CONDUIT AND PULLBOXES
WITH LIGHTING
(PAID FOR UNDER LIGHTING)

IH 41 SB RAMPS
ROUNDABOUT

259'SB'
259'NB'
260'SB'
260'NB'
262'SB'
262'NB'
263'SB'
263'NB'
264'SB'
264'NB'

SB RAMP GATE
STA 263+35.61 O/S 41.43' LT
CONCRETE BASE TYPE 5
TRANSFORMER BASES BREAKAWAY
11.5" BOLT CIRCLE
RAMP CLOSURE GATE SOLAR 24-FT
RAMP GATE *

PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	INTELLIGENT TRANSPORTATION SYSTEM (RAMP GATES)	SHEET 86	E

2

LEGEND

- SLOPE INTERCEPTS
- SURFACE FLOW ARROWS
- SILT FENCE
- TEMPORARY DITCH CHECK
- INLET PROTECTION, TYPE A, B, C OR D
- EROSION MAT, URBAN, CLASS I, TYPE A
- EROSION MAT, CLASS I, TYPE B

STH 55 (LAWE ST)

STH 55 (DELANGLADE ST)

STH 96 (PLANK RD)

CTH J (LAWE ST)

OVIATT ST

MATCH LINE STA 214+00

SLOPE INTERCEPT, TYP

208'NB'

209'NB'

210'NB'

211'NB'

212'NB'

213'NB'

214

310'PL'

311'PL'

100'J'

101'J'

110'V'

120'V'

8'ΦV'

9'ΦV'

A/C

A/D

A

(ASPH)

(CONC)

(GRAV)

PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	EROSION CONTROL DETAIL: STH 55	SHEET 87	E

FILE NAME : F:\TR\JOBS\E1859A08\CIVIL 3D 2012\SHEETSPLAN\46500871_022001_EC.DWG
46500871_022001_ec

PLOT DATE : 9/15/2017 3:31 PM PLOT BY : OMNNI ASSOCIATES, INC - CRAIG KNUTH

2

DESNOYER ST

BLACKWELL ST

STH 55
(DELANGLADE ST)

MATCH LINE STA 214+00

MATCH LINE STA 220+00

SLOPE INTERCEPT, TYP

SLOPE INTERCEPT, TYP

LEGEND

- SLOPE INTERCEPTS
- SURFACE FLOW ARROWS
- SILT FENCE
- TEMPORARY DITCH CHECK
- INLET PROTECTION, TYPE A, B, C OR D
- EROSION MAT, URBAN, CLASS I, TYPE A
- EROSION MAT, CLASS I, TYPE B

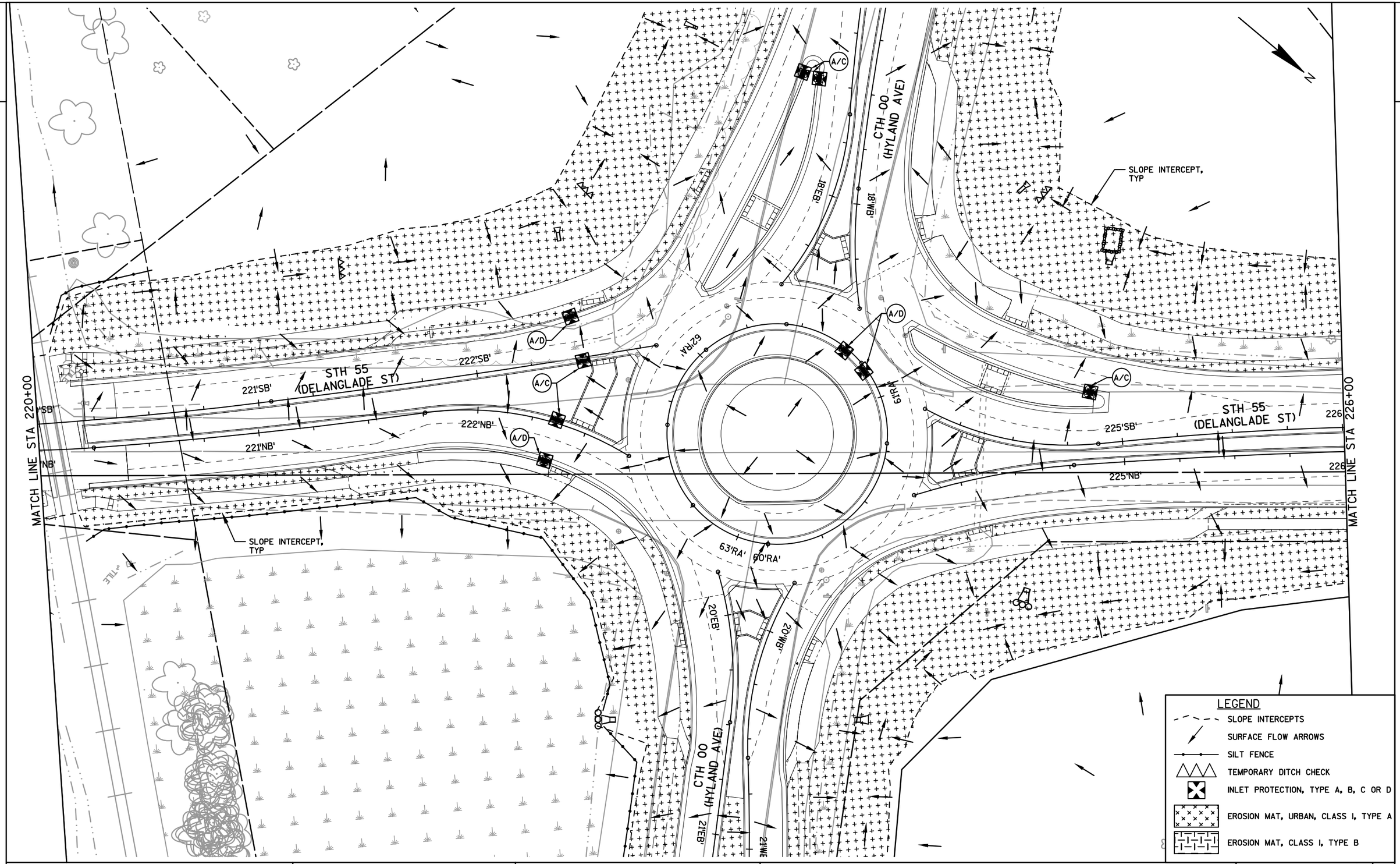
PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	EROSION CONTROL DETAIL: STH 55	SHEET 88	E

FILE NAME : F:\TR\JOBS\E1859A08\CIVIL 3D 2012\SHEETSPLAN\46500871_022001_EC.DWG
46500871_022002_ec

PLOT DATE : 9/15/2017 3:31 PM PLOT BY : OMNNI ASSOCIATES, INC - CRAIG KNUTH

WISDOT/CADDS SHEET 44

2



PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	EROSION CONTROL DETAIL: STH 55	SHEET 89	E

2

2

MATCH LINE STA 226+00

MATCH LINE STA 232+00

STH 55
(DELANGLADE ST)

SLOPE INTERCEPT, TYP

SLOPE INTERCEPT, TYP

(GRAV)

(ASPH)

(ASPH)

(ASPH)

SIGN

SIGN

A

A/C

227'SB'

228'SB'

229'SB'

230'SB'

230'SB'

227'NB'

228'NB'

229'NB'

230'NB'

231'NB'

G.P.

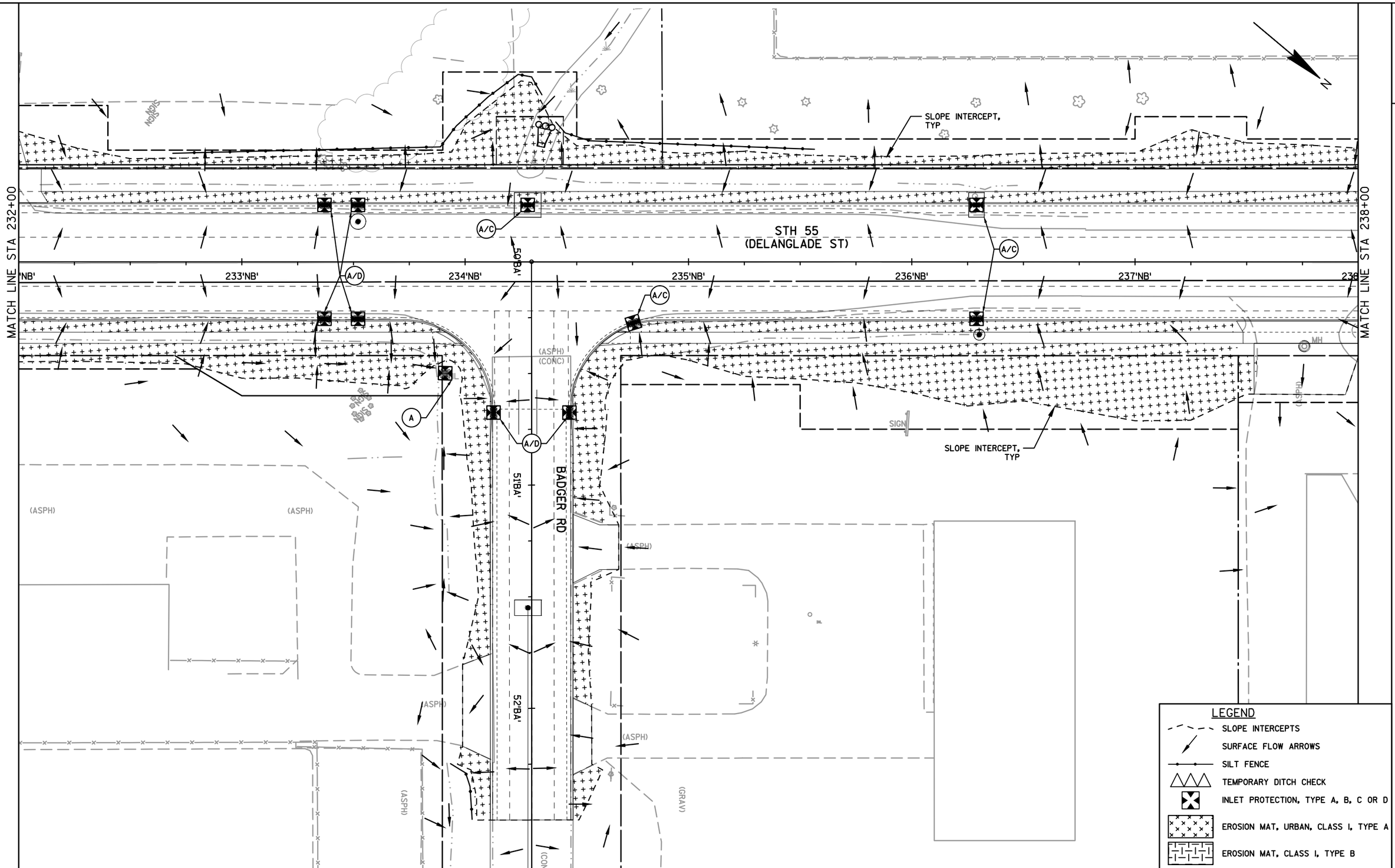
VACUUM

LEGEND

- SLOPE INTERCEPTS
- SURFACE FLOW ARROWS
- SILT FENCE
- TEMPORARY DITCH CHECK
- INLET PROTECTION, TYPE A, B, C OR D
- EROSION MAT, URBAN, CLASS I, TYPE A
- EROSION MAT, CLASS I, TYPE B

PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	EROSION CONTROL DETAIL: STH 55	SHEET 90	E

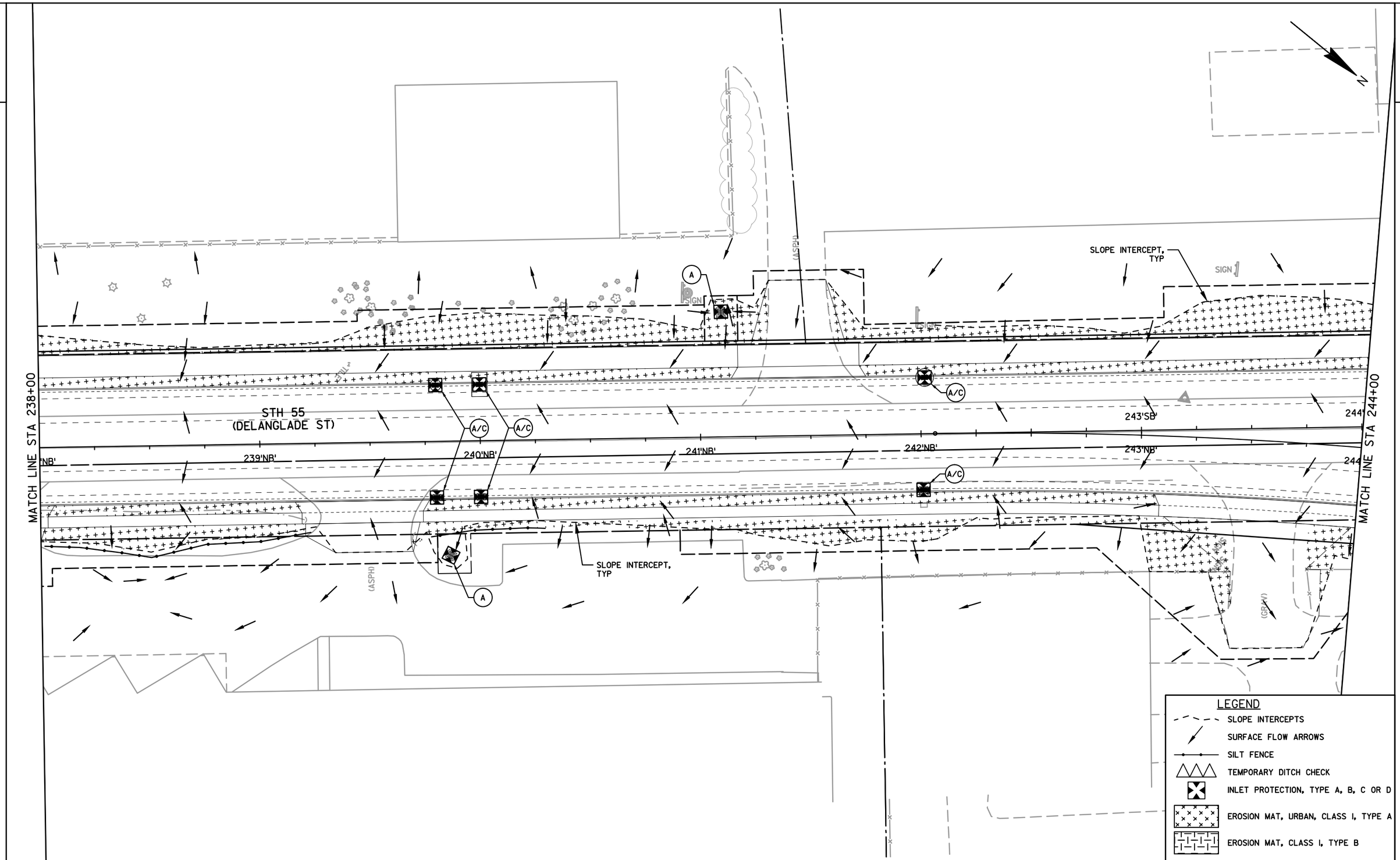
2



PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	EROSION CONTROL DETAIL: STH 55	SHEET 91	E

2

2



PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	EROSION CONTROL DETAIL: STH 55	SHEET 92	E

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46500871_022006_ec

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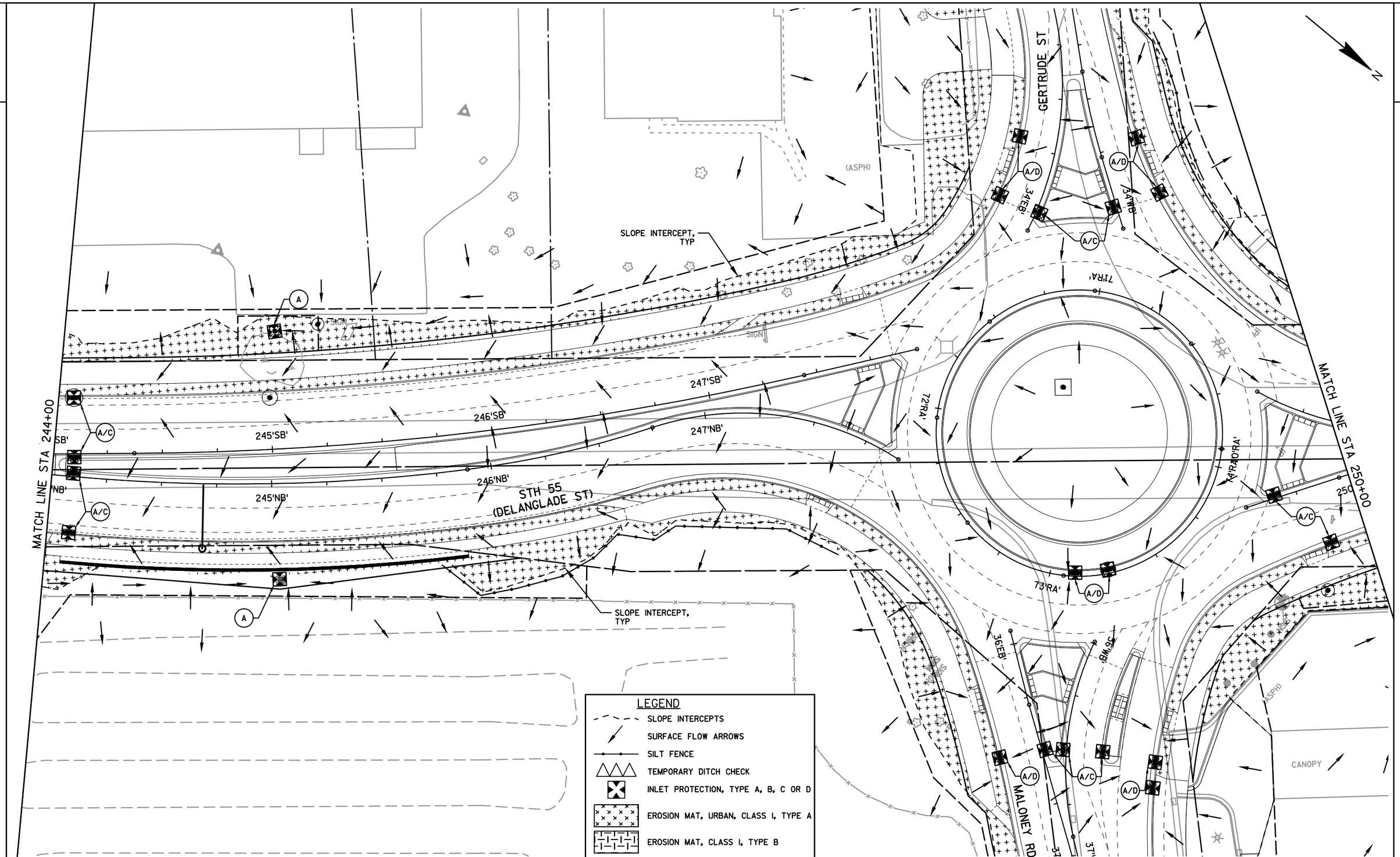
WISDOT/CADDS SHEET 44

2



PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	EROSION CONTROL DETAIL: STH 55	SHEET 93	E

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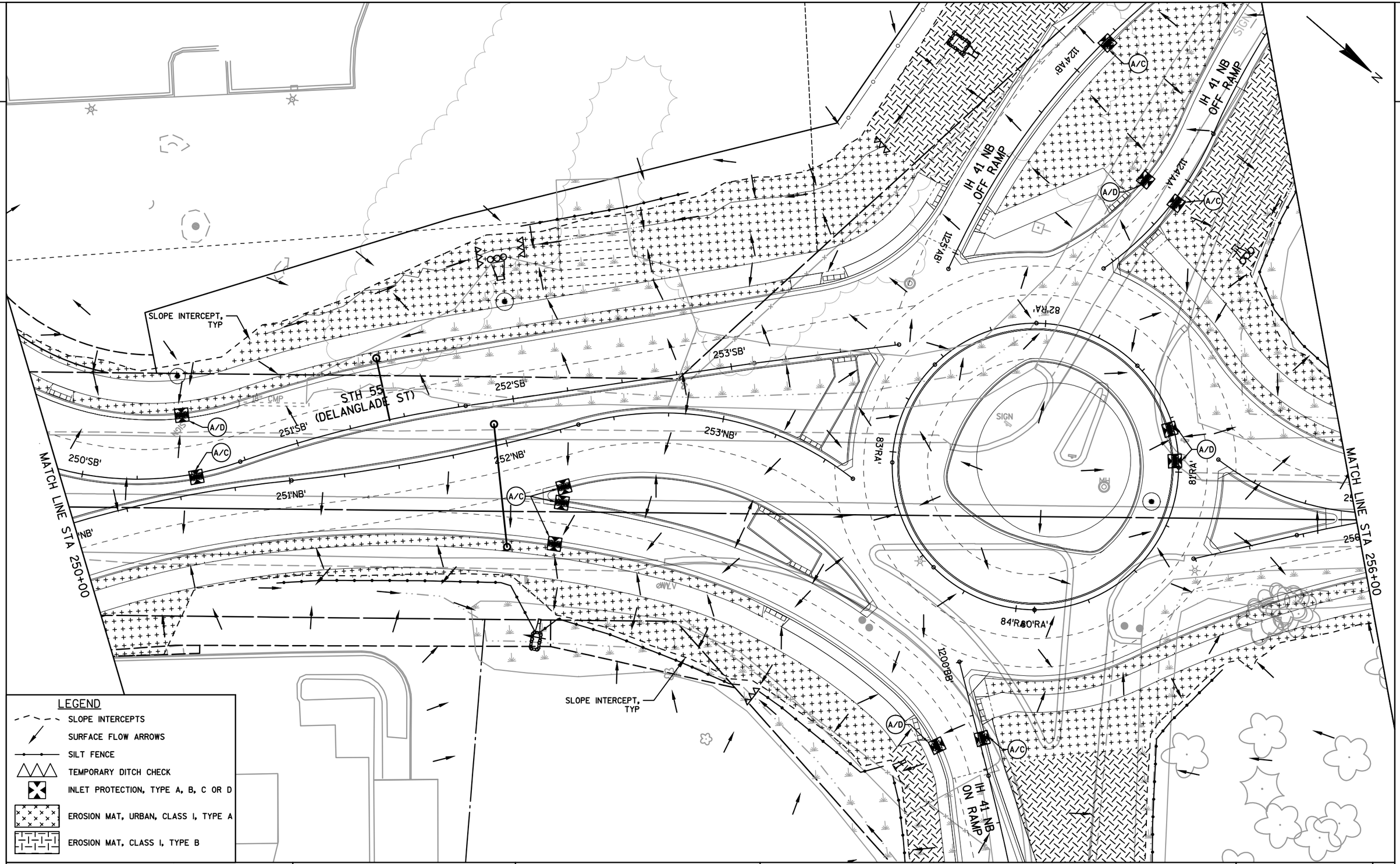
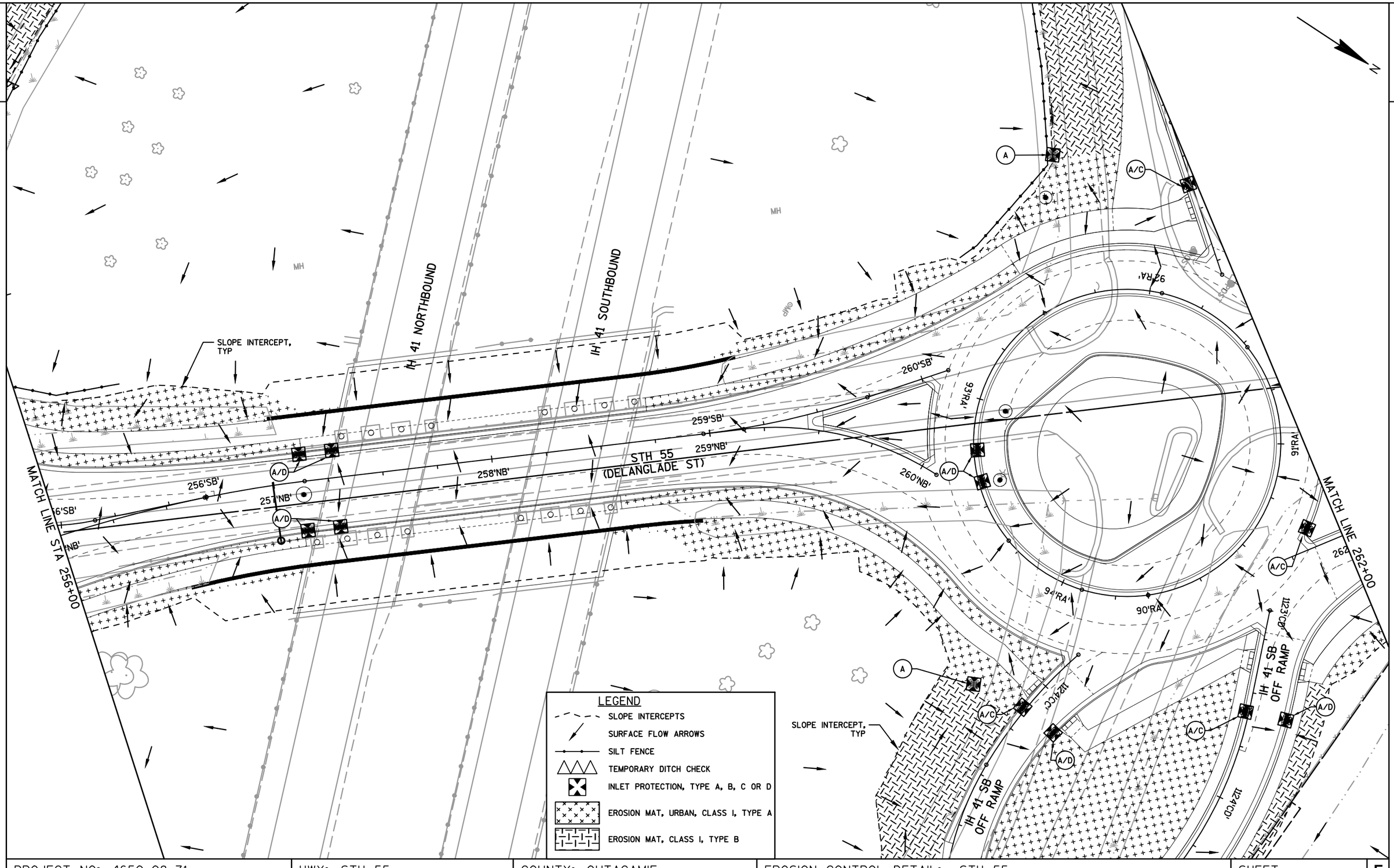
PLOT BY : OMNNI ASSOCIATES, INC - CRAIG KNUTH
WISDOT/CADDS SHEET 44

2



PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	EROSION CONTROL DETAIL: STH 55	SHEET 94	E

2



PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	EROSION CONTROL DETAIL: STH 55	SHEET 95	E

2

2

N

A/D

A/C

IH 41 SB
ON RAMP

SLOPE INTERCEPT,
TYP

262'SB'

263'SB'

264'SB'

265'SB'

266'SB'

STH 55
(DELANGLADE ST)

267'SB'

MATCH LINE STA 262+00

MATCH LINE STA 268+00

263'NB'

264'NB'

265'NB'

266'NB'

267'NB'

SLOPE INTERCEPT,
TYP

LEGEND

- SLOPE INTERCEPTS
- SURFACE FLOW ARROWS
- SILT FENCE
- TEMPORARY DITCH CHECK
- INLET PROTECTION, TYPE A, B, C OR D
- EROSION MAT, URBAN, CLASS I, TYPE A
- EROSION MAT, CLASS I, TYPE B

PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	EROSION CONTROL DETAIL: STH 55	SHEET 96	E

2

2

N

ARBOR WAY

SLOPE INTERCEPT, TYP

STH 55
(DELANGLADE ST)

268'SB'
269'SB'
270'SB'
271'SB'
272'SB'

MATCH LINE STA 268+00

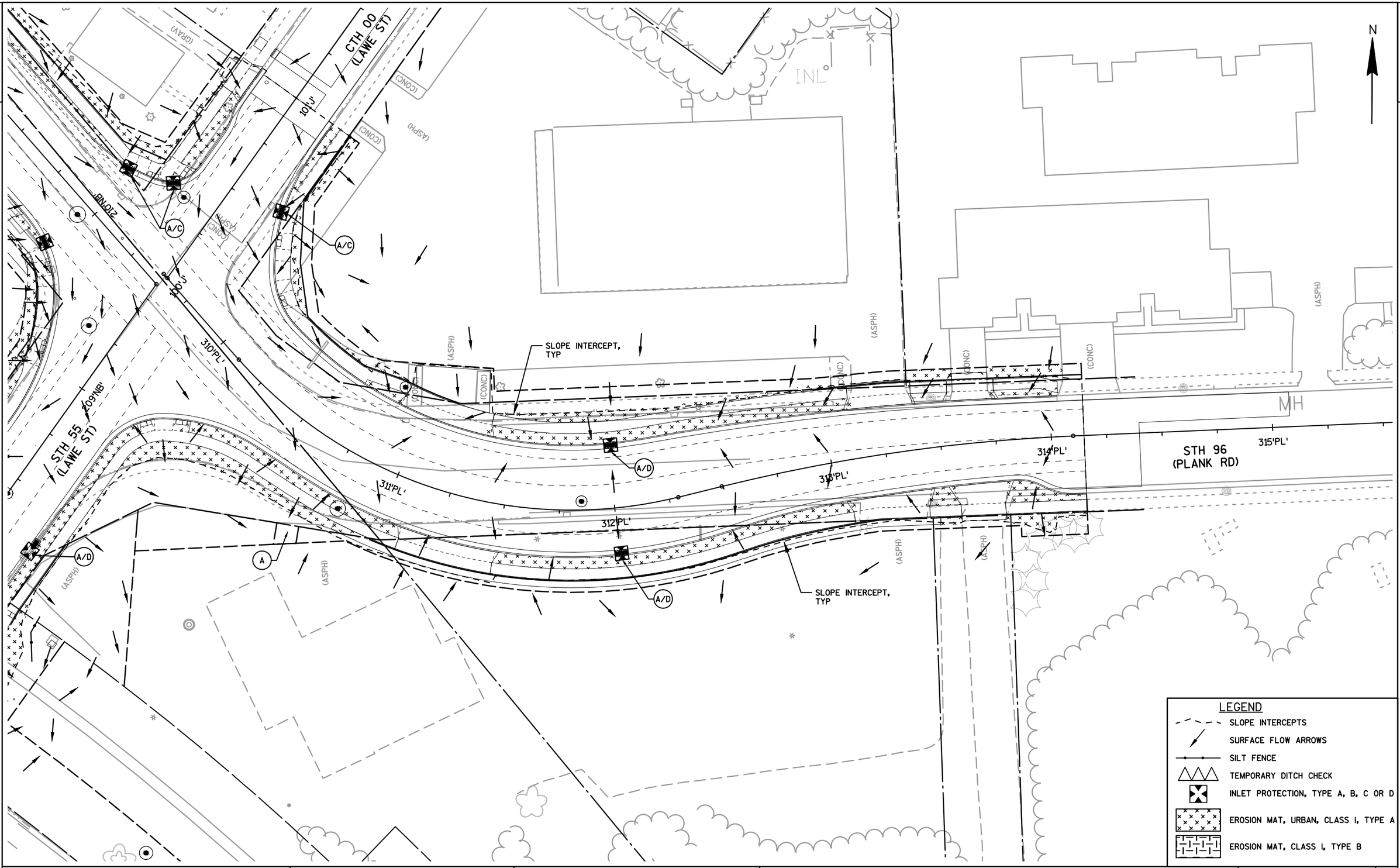
'NB'
269'NB'
270'NB'
271'NB'
272'NB'

LEGEND

- SLOPE INTERCEPTS
- SURFACE FLOW ARROWS
- SILT FENCE
- TEMPORARY DITCH CHECK
- INLET PROTECTION, TYPE A, B, C OR D
- EROSION MAT, URBAN, CLASS I, TYPE A
- EROSION MAT, CLASS I, TYPE B

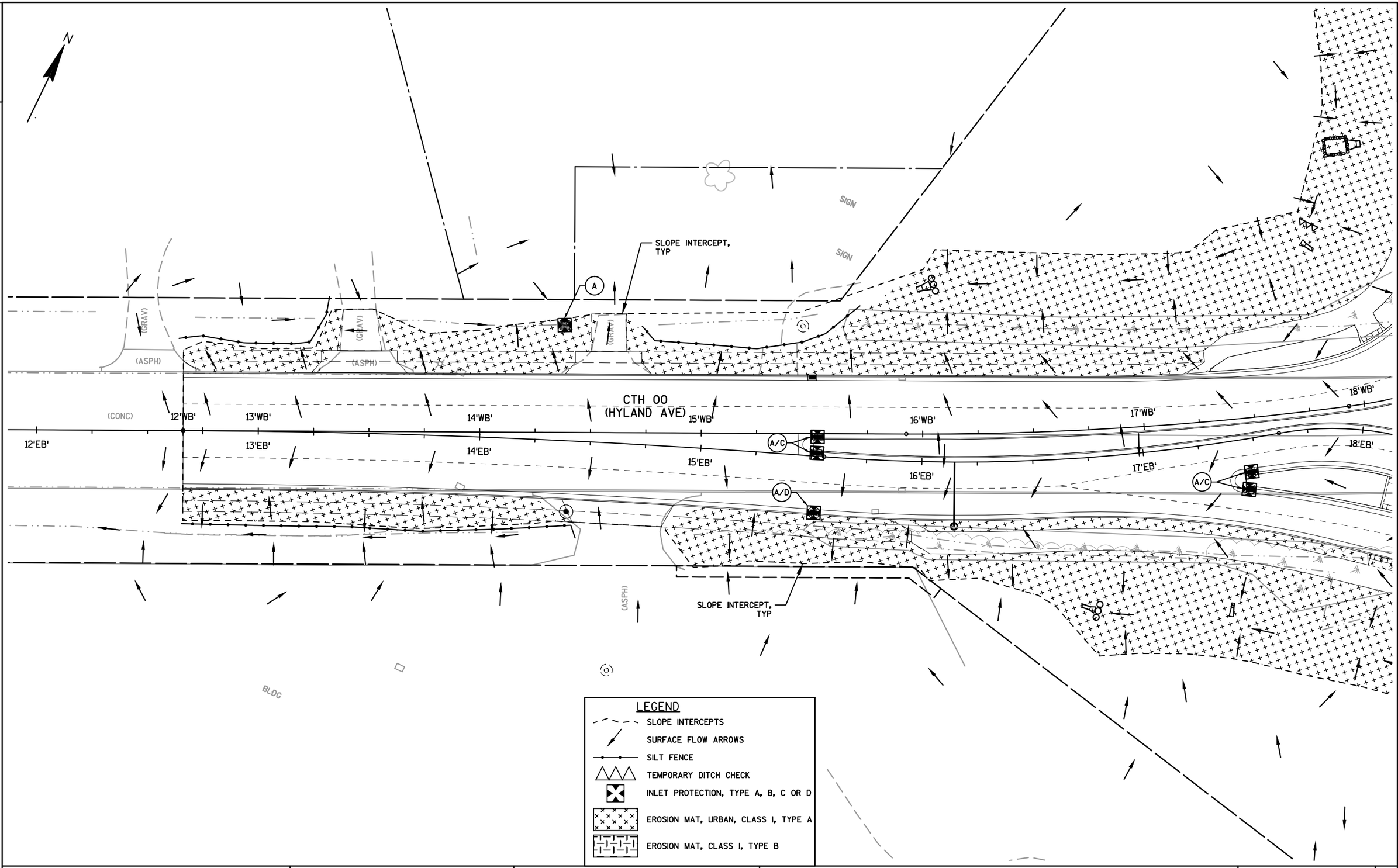
PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	EROSION CONTROL DETAIL: STH 55	SHEET 97	E

2

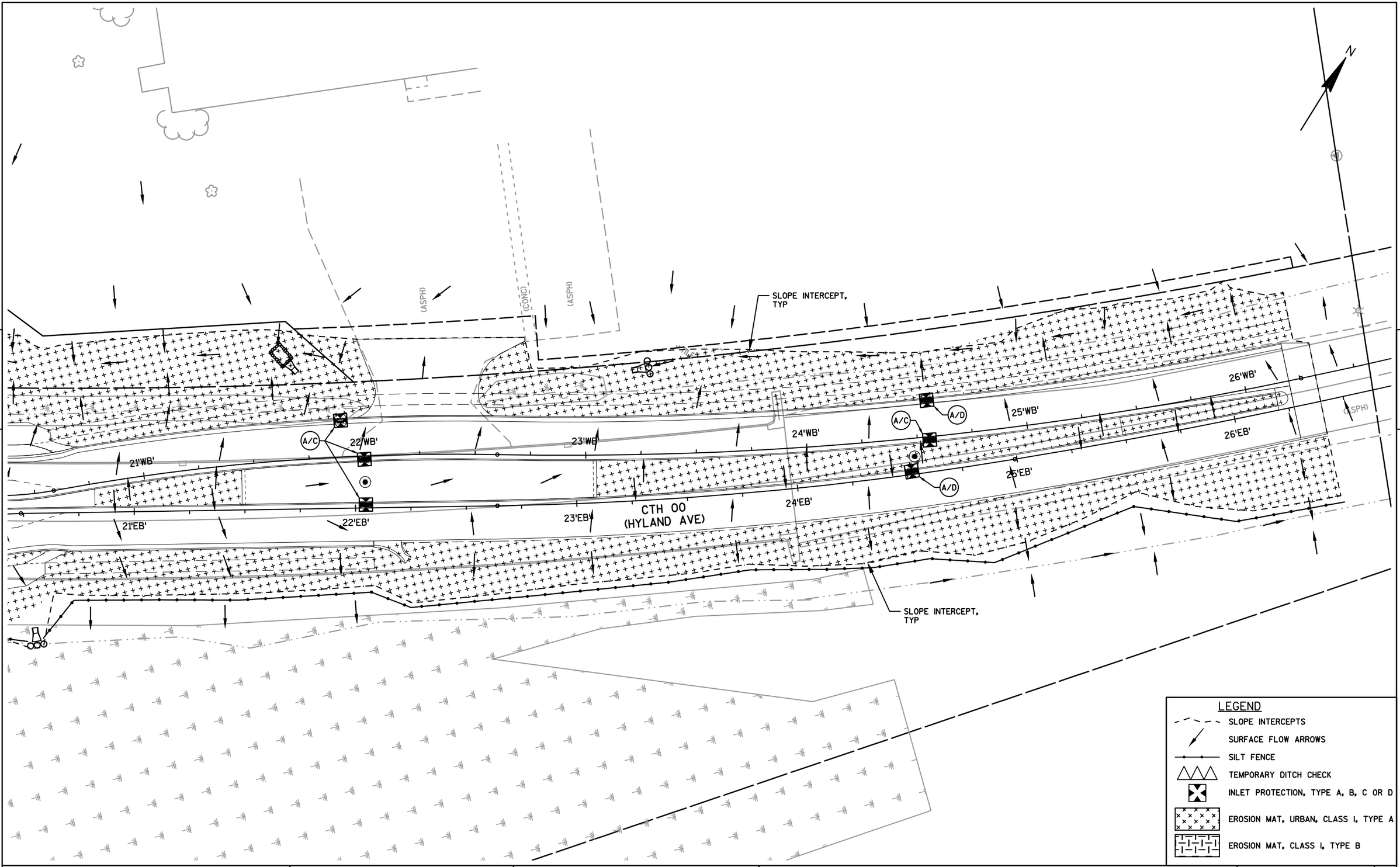


PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	EROSION CONTROL DETAIL: STH 96 / PLANK RD	SHEET 98	E

2



PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	EROSION CONTROL DETAIL: CTH 00	SHEET 99	E

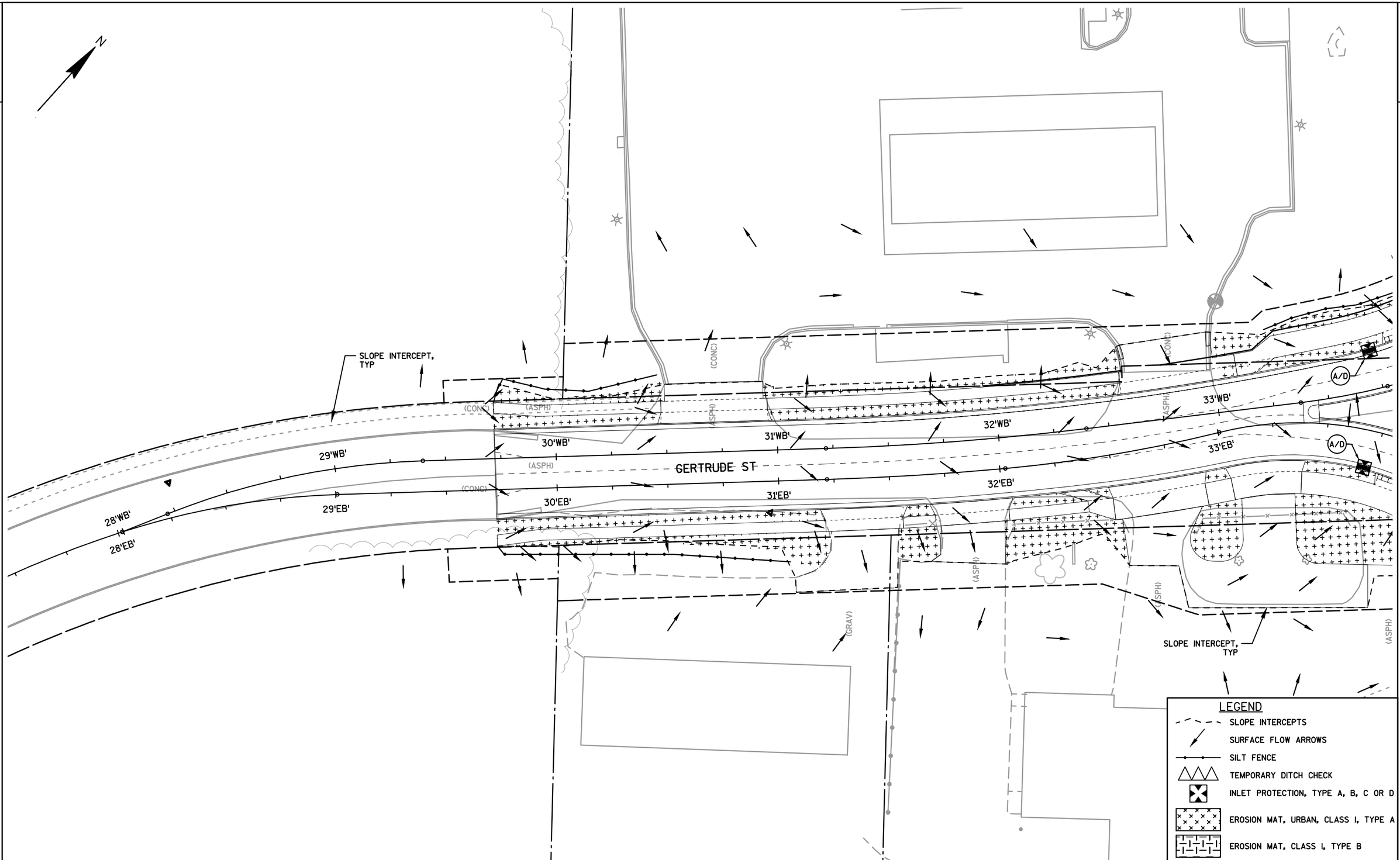


5 5

PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	EROSION CONTROL DETAIL: CTH 00	SHEET 100	E

2

2

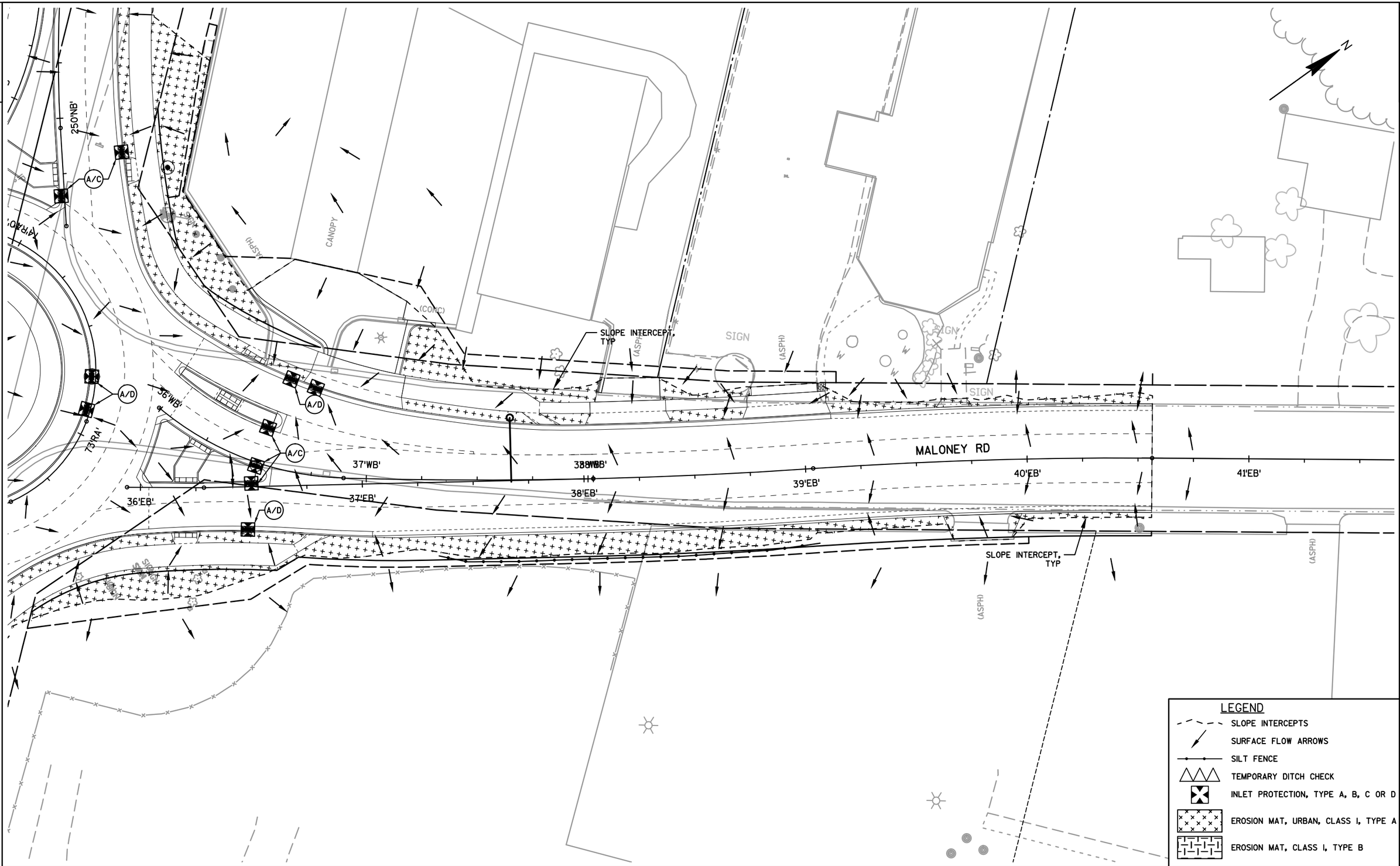


PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	EROSION CONTROL DETAIL: GERTRUDE ST	SHEET 101	E

FILE NAME : F:\TR\JOBS\E1859A08\CIVIL 3D 2012\SHEETSPLAN\46500871_022001_EC.DWG
46500871_022015_ec
PLOT DATE : 9/15/2017 3:35 PM PLOT BY : OMNNI ASSOCIATES, INC - CRAIG KNUTH
WISDOT/CADDS SHEET 44

2

2



PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	EROSION CONTROL DETAIL: MALONEY RD	SHEET 102	E

2

2

IH 41 NB

1103'AA'

1104'AA'

1105'AA'

1106'AA'

1107'AA'

1108'AA'

MATCH LINE STA 1108+75

SLOPE INTERCEPT, TYP

N

SIGN

LEGEND

- SLOPE INTERCEPTS
- SURFACE FLOW ARROWS
- SILT FENCE
- TEMPORARY DITCH CHECK
- INLET PROTECTION, TYPE A, B, C OR D
- EROSION MAT, URBAN, CLASS I, TYPE A
- EROSION MAT, CLASS I, TYPE B

MATCH LINE STA 1108+75

IH 41 NB

1109'AA'

1110'AA'

1111'AA'

1112'AA'

1113'AA'

1114'AA'

IH 41 NB OFF RAMP

MATCH LINE STA 1114+75

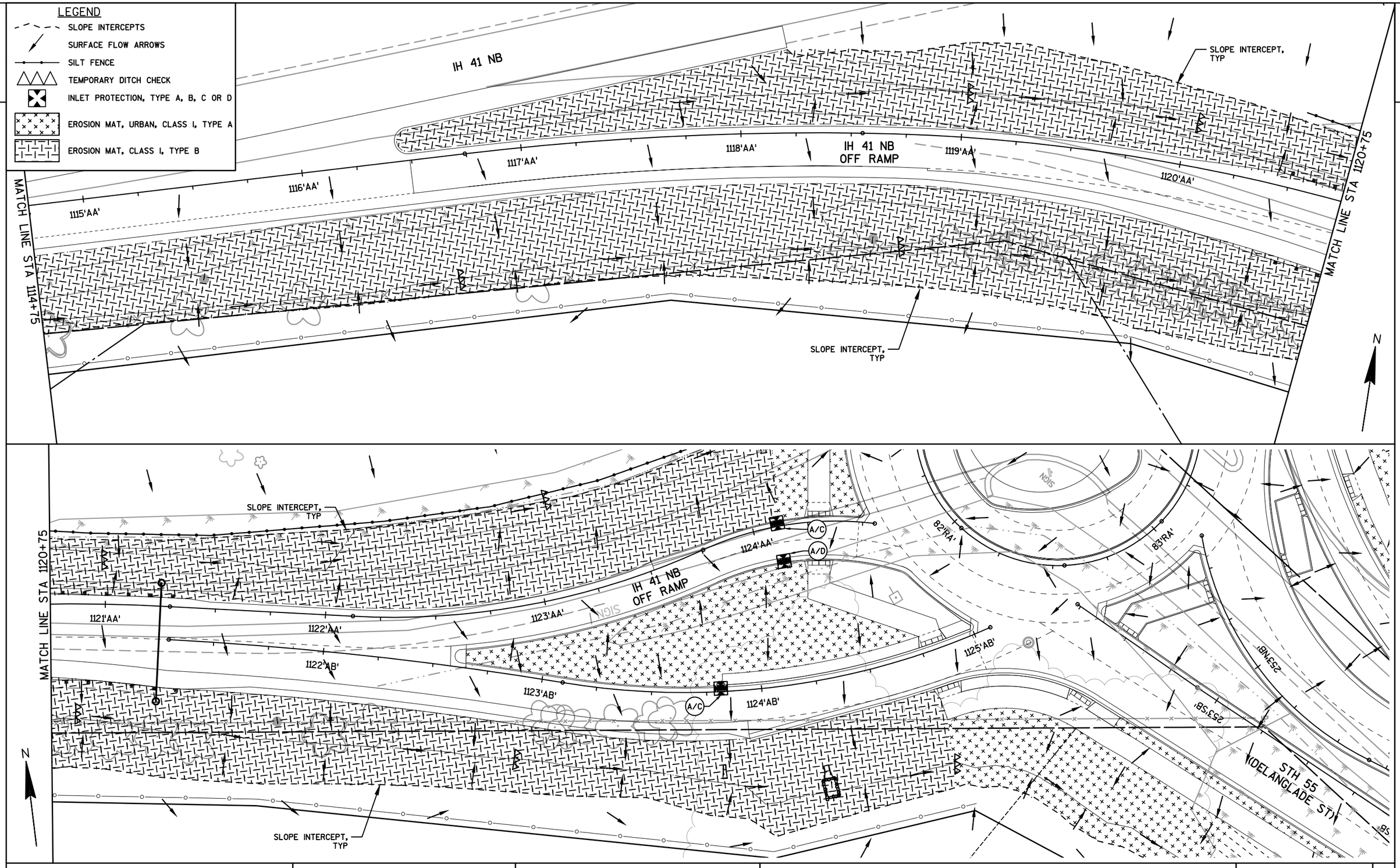
SLOPE INTERCEPT, TYP

N

SIGN

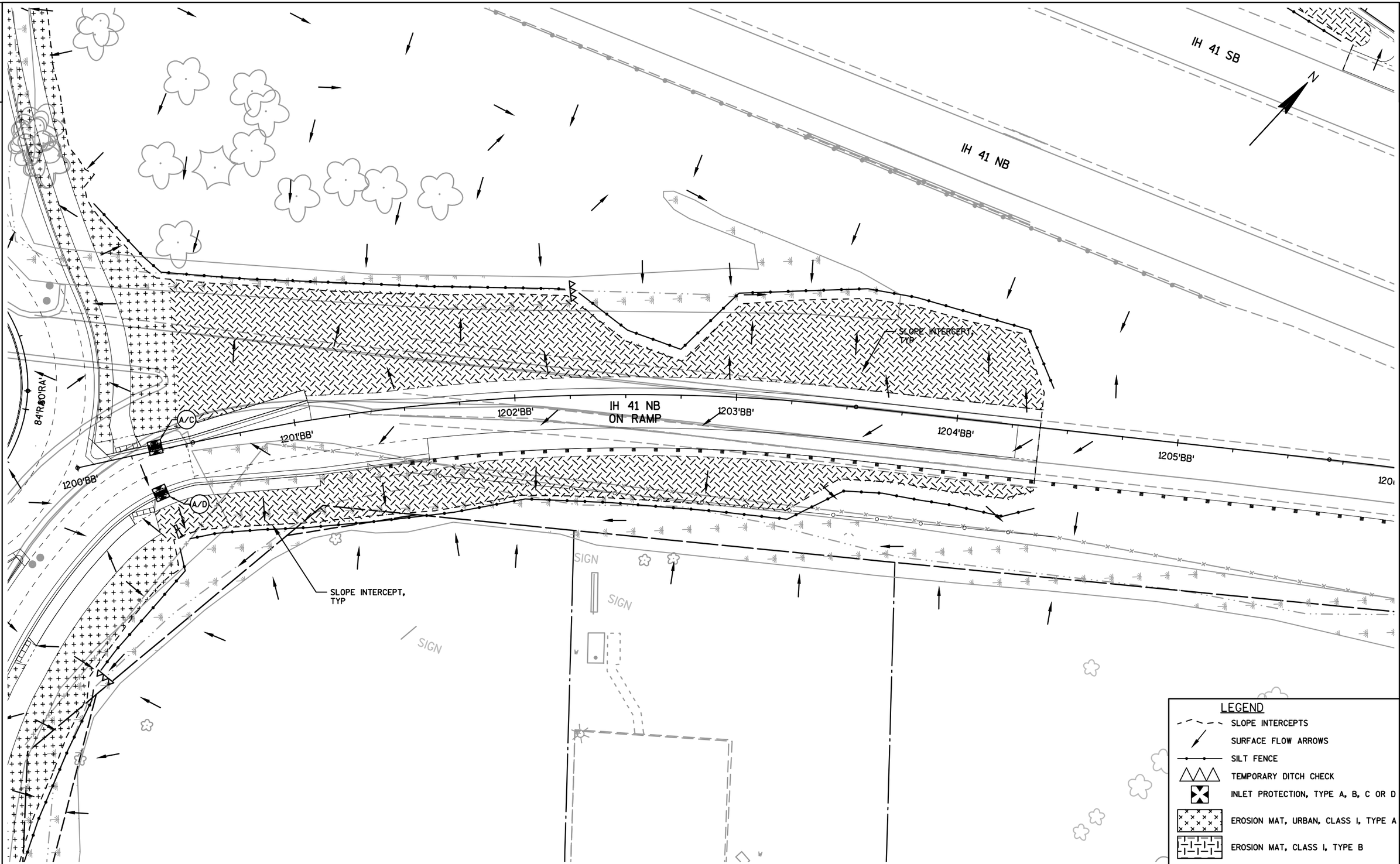
SIGN

PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	EROSION CONTROL DETAIL: IH 41 NORTHBOUND OFF-RAMP	SHEET 103	E



PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	EROSION CONTROL DETAIL: IH 41 NORTHBOUND OFF-RAMP	SHEET 104	E

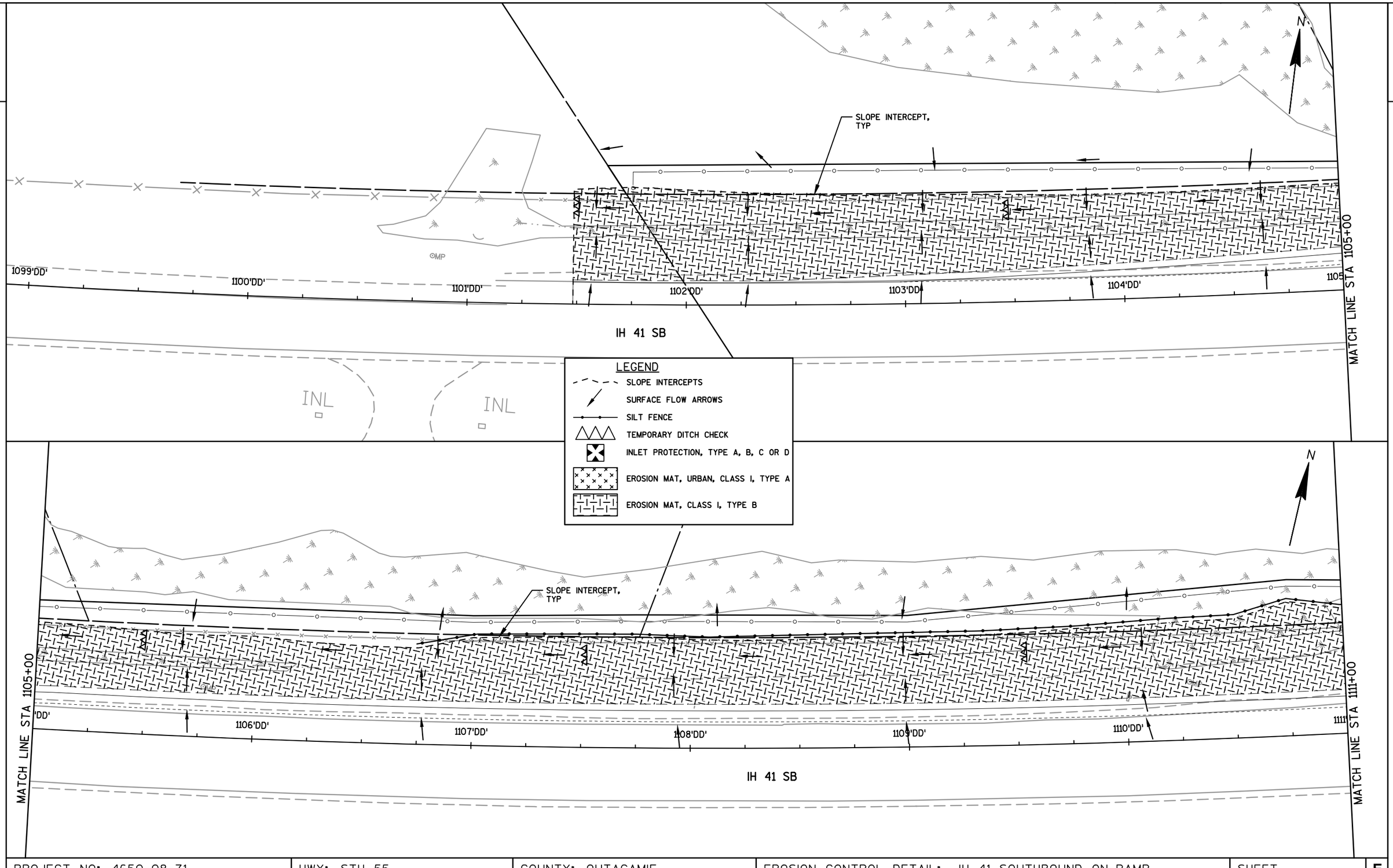
2



PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	EROSION CONTROL DETAIL: USH 41 NB ON-RAMP	SHEET 105	E

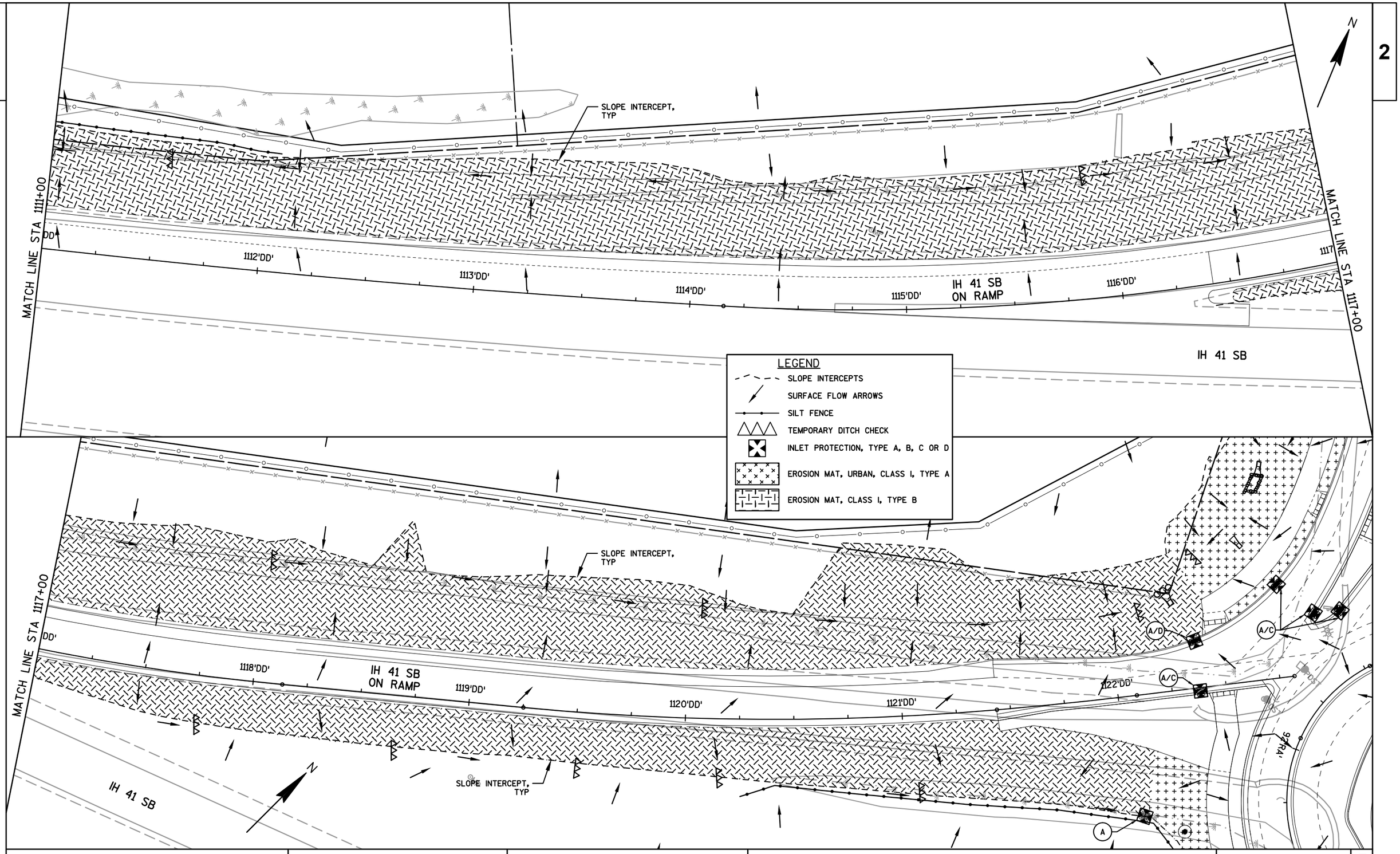
2

2



PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	EROSION CONTROL DETAIL: IH 41 SOUTHBOUND ON-RAMP	SHEET 106	E

2



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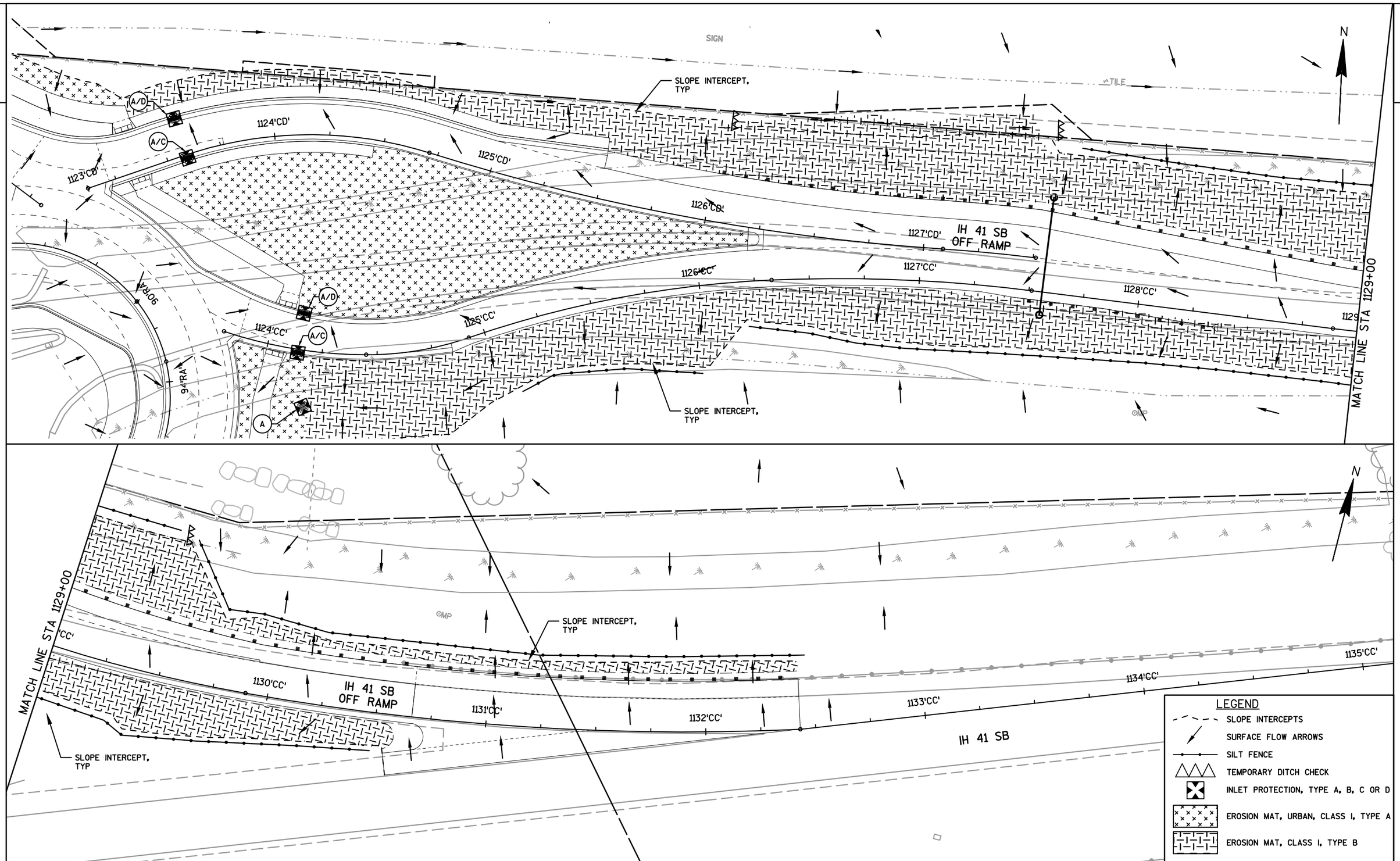
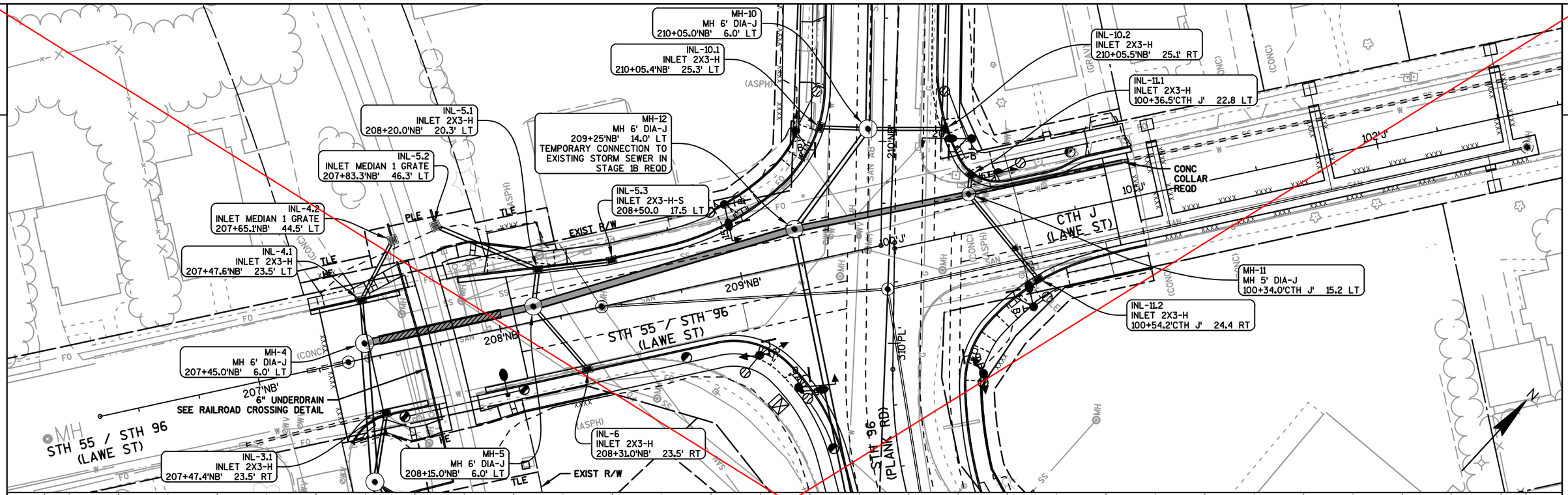
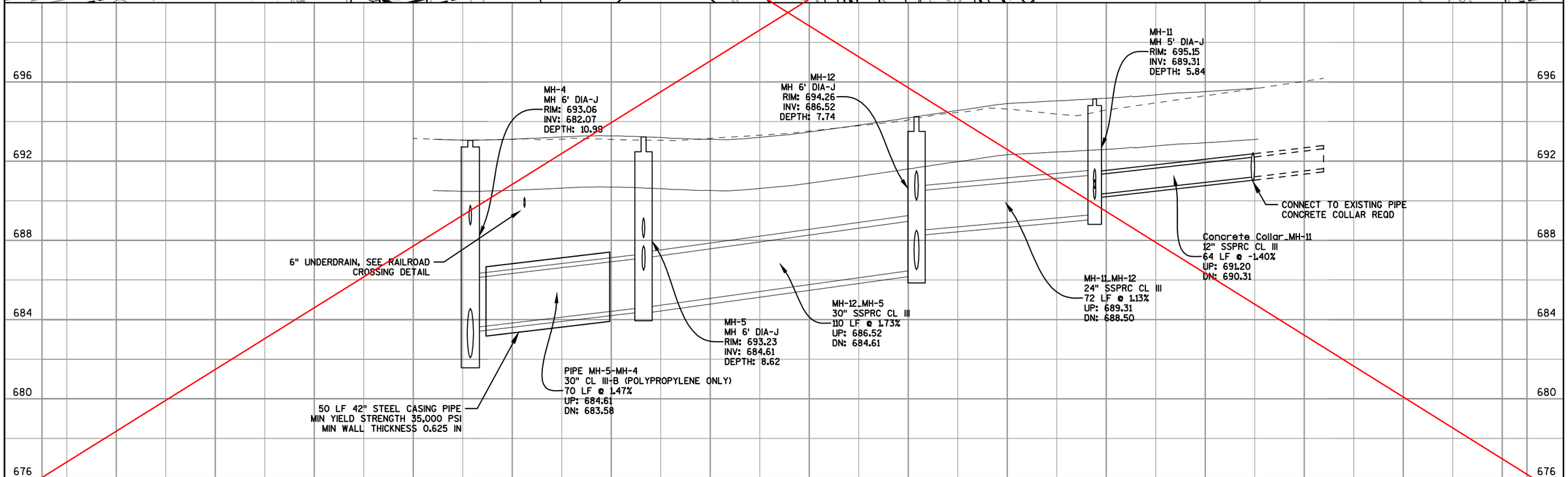
2



PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	EROSION CONTROL DETAIL: USH 41 SB OFF-RAMP	SHEET 108 E





PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	STORM SEWER: STH 55 (LAWE STREET)	SHEET E

FILE NAME : F:\TR\JOBS\E1859A08\CIVIL 3D 2012\SHEETSPLAN\46500871_022500_SS.DWG
46500871_022501_SS
PLOT DATE : 9/11/2017 9:51 AM PLOT BY : OMNNI ASSOCIATES, INC - ANDREW WESTBROOK
WISDOT/CADDS SHEET 44

2

MH-10
MH 6' DIA-J
210+05.0'NB' 6.0' LT

INL-10.1
INLET 2X3-H
210+05.4'NB' 25.3' LT

INL-10.2
INLET 2X3-H
210+05.5'NB' 25.1' RT

INL-11.1
INLET 2X3-H
100+36.5'CTH J' 22.8 LT

INL-5.1
INLET 2X3-H
208+20.0'NB' 20.3' LT

MH-12
MH 6' DIA-J
209+25'NB' 14.0' LT
TEMPORARY CONNECTION TO EXISTING STORM SEWER IN STAGE 1B REQD

INL-5.2
INLET MEDIAN 1 GRATE
207+83.3'NB' 46.3' LT

INL-5.3
INLET 2X3-H-S
208+50.0 17.5 LT

INL-4.2
INLET MEDIAN 1 GRATE
207+65.1'NB' 44.5' LT

INL-4.1
INLET 2X3-H
207+47.6'NB' 23.5' LT

CONC COLLAR REQD

102' J'

CTH J (LAWE ST)

MH-11
MH 5' DIA-J
100+34.0'CTH J' 15.2 LT

INL-11.2
INLET 2X3-H
100+54.2'CTH J' 24.4 RT

209'NB'

STH 55 / STH 96 (LAWE ST)

208'NB'

MH-4
MH 6' DIA-J
207+45.0'NB' 6.0' LT

207'NB'
6" UNDERDRAIN
SEE RAILROAD CROSSING DETAIL

INL-3.1
INLET 2X3-H
207+47.4'NB' 23.5' RT

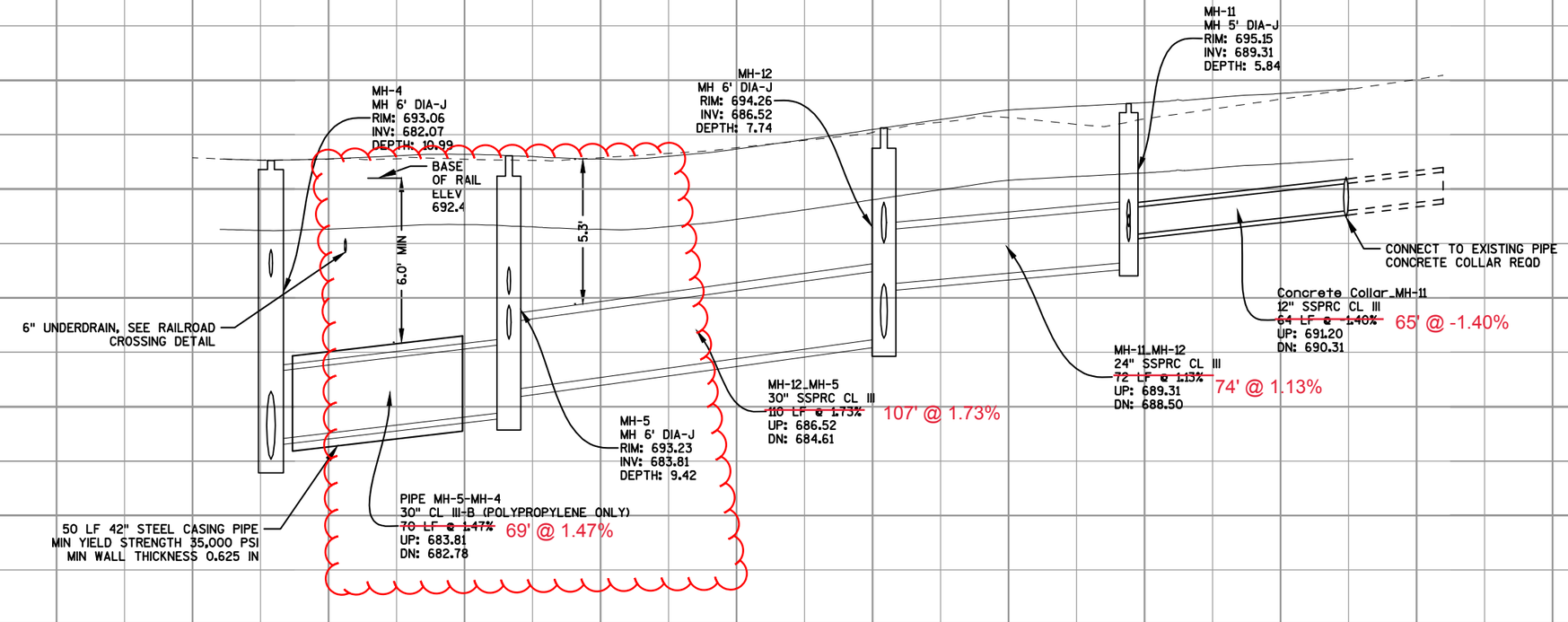
MH-5
MH 6' DIA-J
208+15.0'NB' 6.0' LT

INL-6
INLET 2X3-H
208+31.0'NB' 23.5' RT

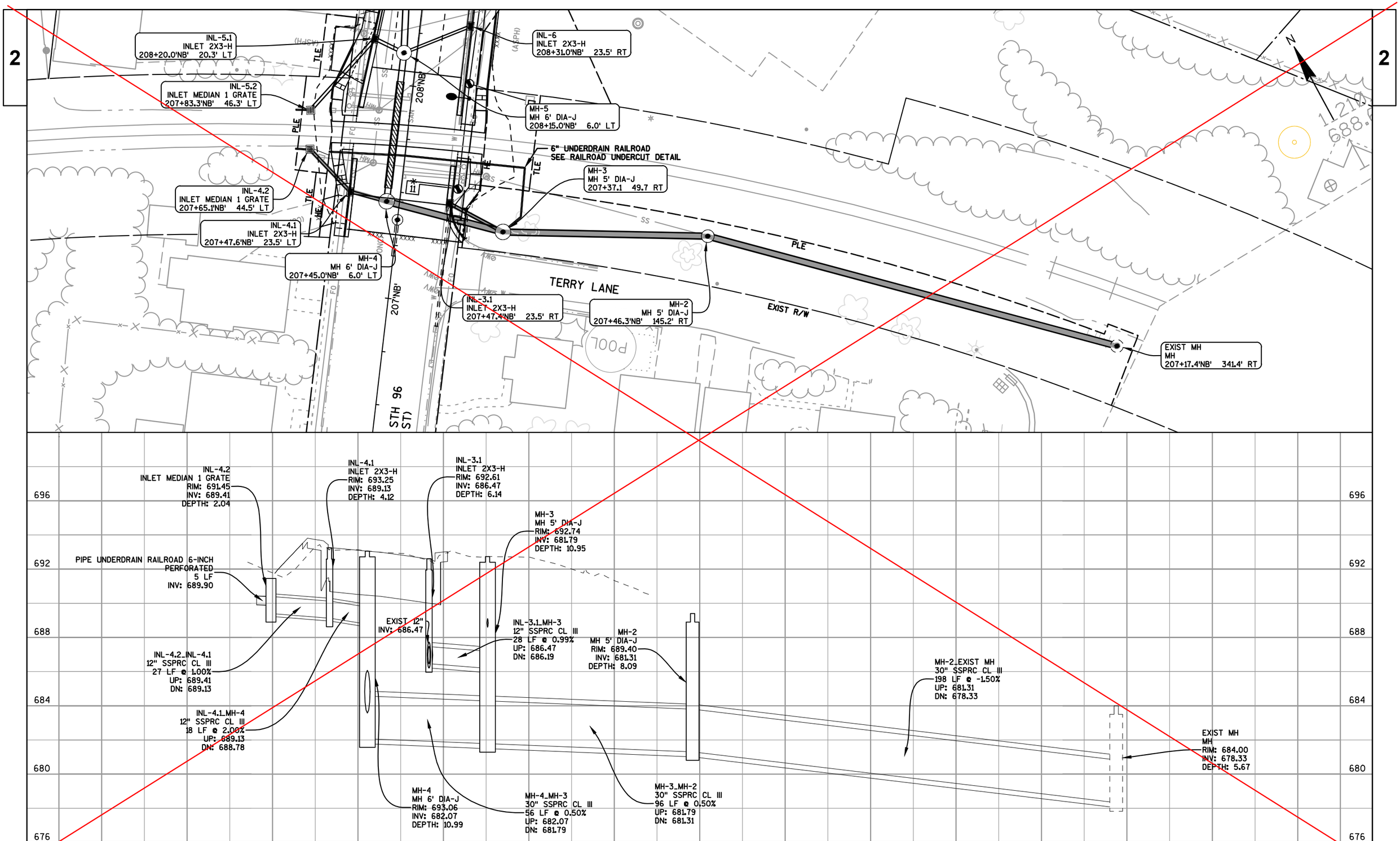
EXIST R/W

STH 96 (PLANK RD)

210'PL'



PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	STORM SEWER: STH 55 (LAWE STREET)	REVISED SHEET 109 E



PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	STORM SEWER: STH 55 (LAWE STREET)	SHEET 110 E

2

INL-5.1
INLET 2X3-H
208+20.0'NB' 20.3' LT

INL-5.2
INLET MEDIAN 1 GRATE
207+83.3'NB' 46.3' LT

INL-4.2
INLET MEDIAN 1 GRATE
207+65.1'NB' 44.5' LT

INL-4.1
INLET 2X3-H
207+47.6'NB' 23.5' LT

MH-4
MH 6' DIA-J
207+45.0'NB' 6.0' LT

INL-6
INLET 2X3-H
208+31.0'NB' 23.5' RT

MH-5
MH 6' DIA-J
208+15.0'NB' 6.0' LT

6" UNDERDRAIN RAILROAD
SEE RAILROAD UNDERCUT DETAIL

MH-3
MH 5' DIA-J
207+37.1 49.7 RT

INL-3.1
INLET 2X3-H
207+47.4'NB' 23.5' RT

MH-2
MH 5' DIA-J
207+46.3'NB' 145.2' RT

EXIST MH
MH
207+17.4'NB' 341.4' RT

TERRY LANE

EXIST R/W

PLE

208'NB

207'NB'

36.8'

24.0'

21.7'

Removed 49' of existing 24" storm sewer, remaining abandoned in place

8' to connect INL-3.1 to existing 12" storm sewer

STH 96 (ST)

INL-4.2
INLET MEDIAN 1 GRATE
RIM: 691.45
INV: 689.41
DEPTH: 2.04

INL-4.1
INLET 2X3-H
RIM: 693.25
INV: 689.13
DEPTH: 4.12

INL-3.1
INLET 2X3-H
RIM: 692.61
INV: 686.47
DEPTH: 6.14

MH-3
MH 5' DIA-J
RIM: 692.74
INV: 681.79
DEPTH: 10.95

PIPE UNDERDRAIN RAILROAD 6-INCH
PERFORATED
5 LF
INV: 689.90

1.0'

3.0'

5.3'

EXIST 12"
INV: 686.47

8.1'

INL-4.2_INL-4.1
12" SSPRC CL III
27 LF @ 1.00%
UP: 689.41
DN: 689.13

22' @ 1.00%

INL-4.1_MH-4
12" SSPRC CL III
18 LF @ 2.00%
UP: 689.13
DN: 688.78

INL-3.1_MH-3
12" SSPRC CL III
28 LF @ 0.99%
UP: 686.47
DN: 686.19

33' @ 0.99%

7.4'

MH-2
MH 5' DIA-J
RIM: 689.40
INV: 681.31
DEPTH: 8.09

INV: 681.38

5.3'

197' @ -2.14%
UP: 681.38
DN: 677.17

MH-2_EXIST MH
30" SSPRC CL III
198 LF @ 1.50%
UP: 681.31
DN: 678.33

2.9'

EXIST MH
MH
RIM: 684.00
INV: 678.33
DEPTH: 5.67

INV: 677.17

61' @ 0.59%
UP: 682.15

MH-4
MH 6' DIA-J
RIM: 693.06
INV: 682.07
DEPTH: 10.99

INV: 682.15

MH-4_MH-3
30" SSPRC CL III
56 LF @ 0.50%
UP: 682.07
DN: 681.79

MH-3_MH-2
30" SSPRC CL III
96 LF @ 0.50%
UP: 681.79
DN: 681.31

91' @ 0.45%
DN: 681.38

696
692
688
684
680
676

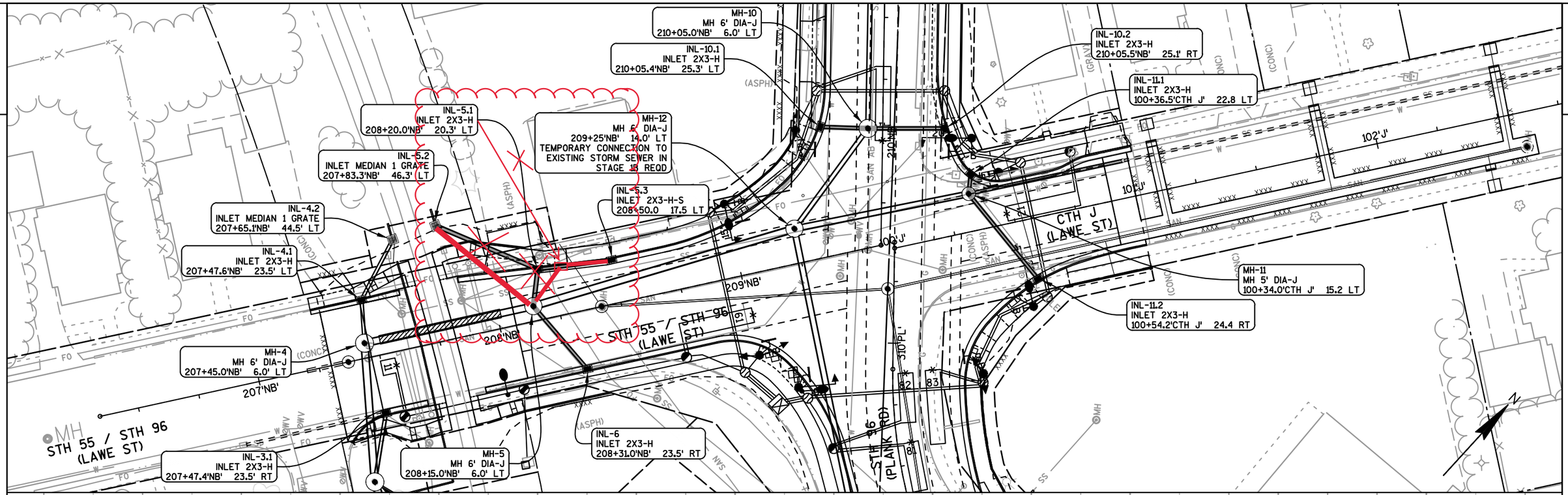
PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	STORM SEWER: STH 55 (LAWE STREET)	REVISED SHEET 110	E

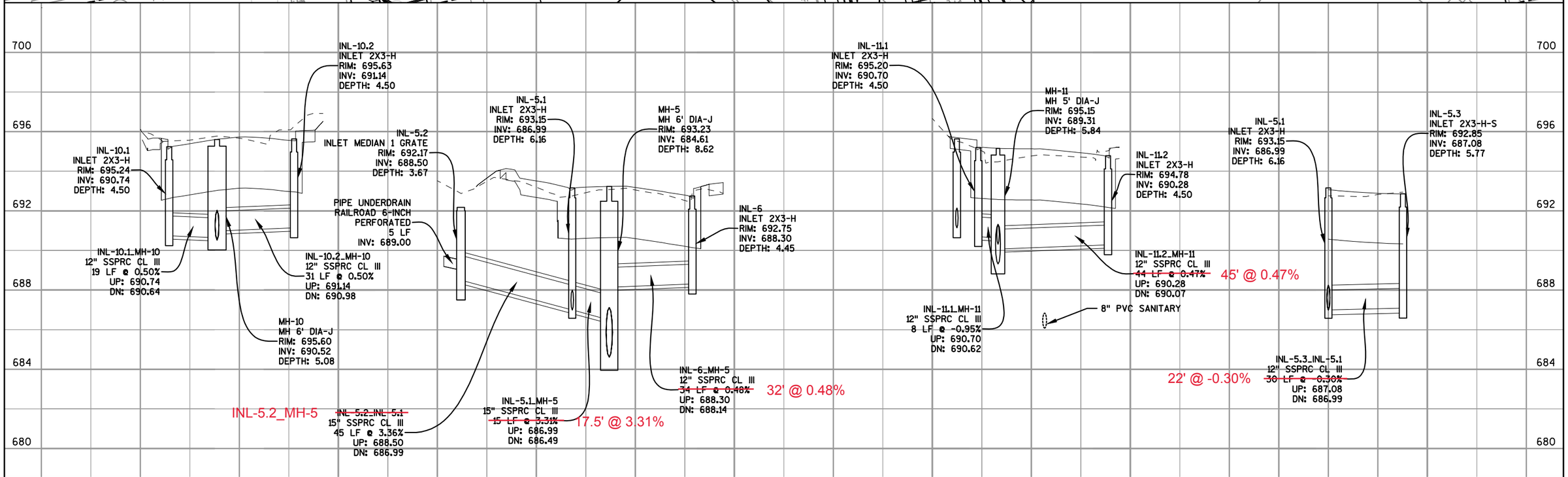
FILE NAME : F:\TR\JOBS\E1859A08\CIVIL 3D 2012\SHEETSPLAN\46500871_022500_SS.DWG
46500871_022502_SS

PLOT DATE : 2/2/2018 5:59 AM

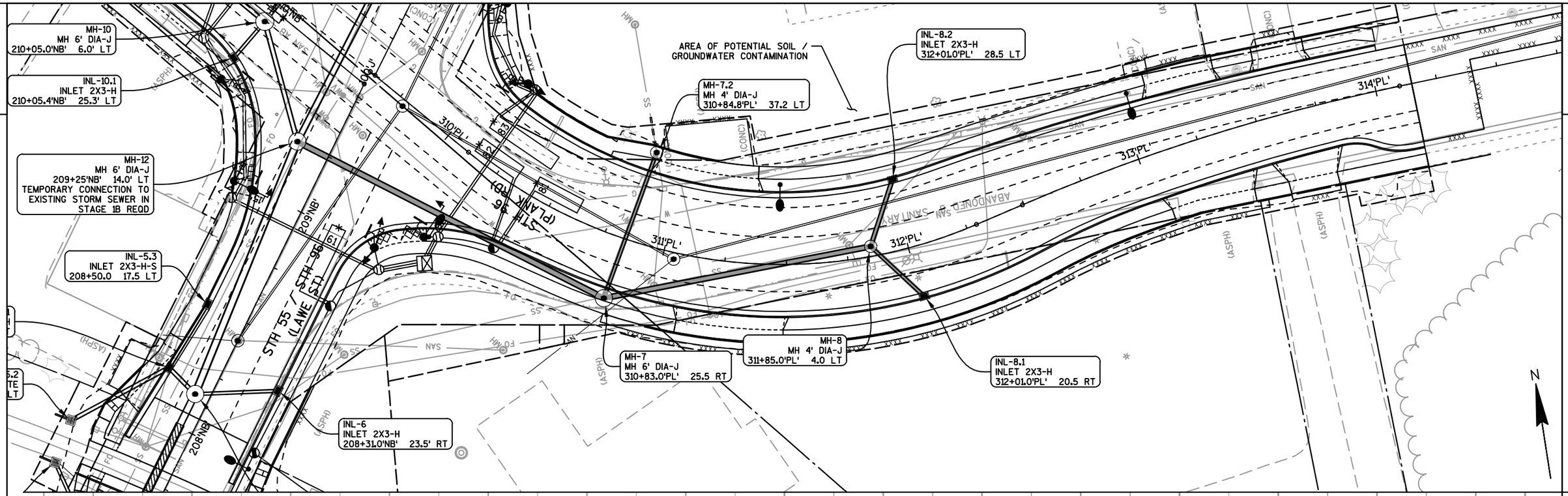
PLOT BY : OMNNI ASSOCIATES, INC - ANDREW WESTBROOK

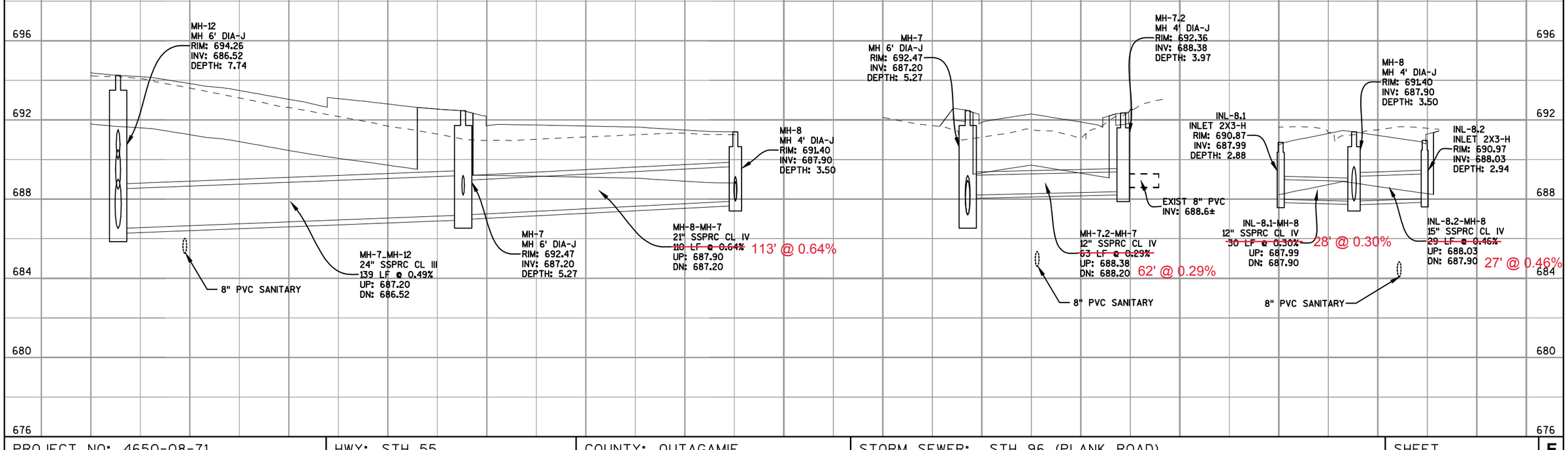
WISDOT/CADDS SHEET 44





PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	STORM SEWER: STH 55 (LAWE STREET)	SHEET 111	E





PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	STORM SEWER: STH 96 (PLANK ROAD)	SHEET 112	E

2

MH-12
MH 6' DIA-J
209+25'NB' 14.0' LT
TEMPORARY CONNECTION TO EXISTING STORM SEWER IN STAGE 1B REQD

INL-10.1
INLET 2X3-H
210+05.4'NB' 25.3' LT

MH-10
MH 6' DIA-J
210+05.0'NB' 6.0' LT

SAXX1
SAN MH
208+42.0 0.0 T

MH-16
MH 4' DIA-J
213+00.0'NB' 6.0' LT

INL-16.1
INLET 2X3-H
213+00.0'NB' 17.5' LT

MH-7
MH 6' DIA-J
310+83.0'PL' 25.5 RT

STH 55 (DELANGLADE ST)

STH 96 (PLANK RD)

CTH J (LAWE ST)

OVIATT ST

210'NB'

211'NB'

212'NB'

213'NB'

310'PL'

311'PL'

SAXX2
SAN MH
309+78.1 2.5 RT

SAXX3
SAN MH
311+04.5 2.6 RT

MH-7.2
MH 4' DIA-J
310+84.8'PL' 37.2 LT

MH-16.5
MH 4' DIA-J
211+35.0 5.6 LT

INL-16.2
INLET 2X3-H
213+10.0'NB' 17.5' RT

INL-16.3
INLET 2X3-H
11+41.5'OV' 15.5 LT

INL-16.4
INLET 2X3-H
11+30.0'OV' 15.5 RT

INL-10.2
INLET 2X3-H
210+05.5'NB' 25.1' RT

INL-11.1

704
700
696
692
688
684

MH-10
MH 6' DIA-J
RIM: 695.60
INV: 690.52
DEPTH: 5.08

MH-16
MH 4' DIA-J
RIM: 705.71
INV: 696.00
DEPTH: 9.71

MH-12
MH 6' DIA-J
RIM: 694.26
INV: 686.52
DEPTH: 7.74

PIPE MH-10-MH-12
18" SSPRC CL IV
50 LF @ 1.00%
UP: 690.52
DN: 690.02

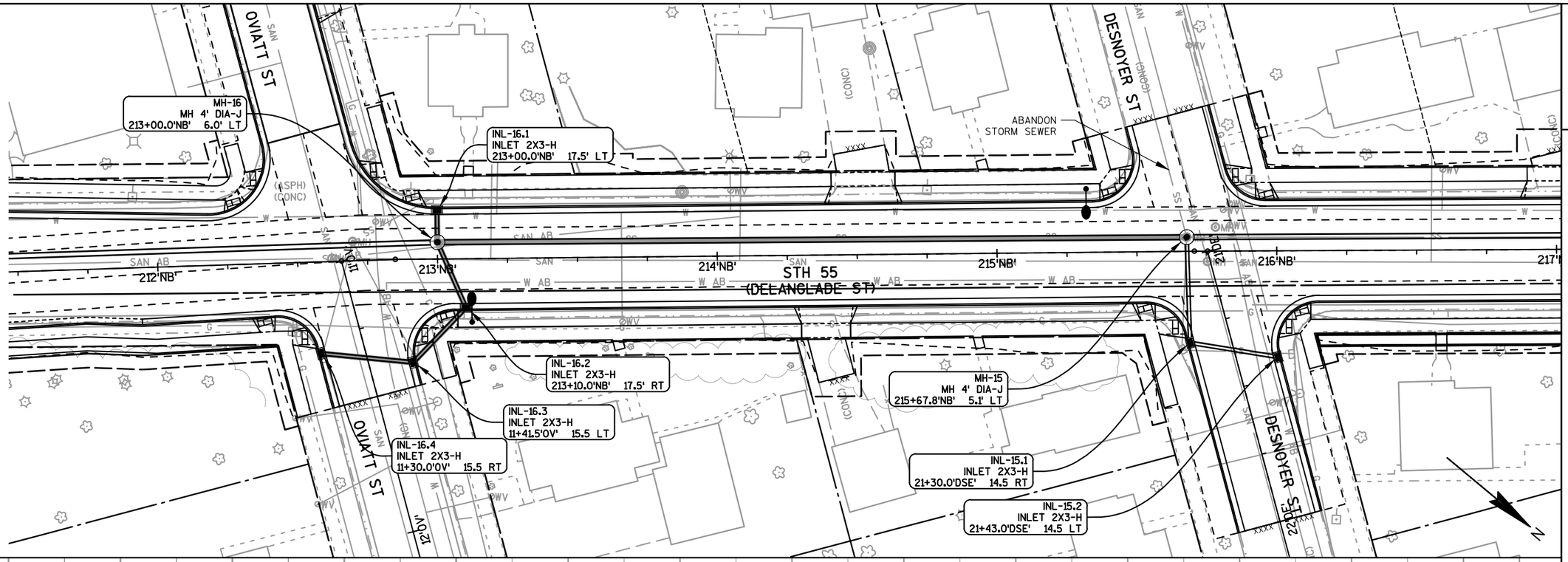
MH-16.5_MH-10
18" SSPRC CL III
130 LF @ 3.58%
UP: 695.17
DN: 690.52

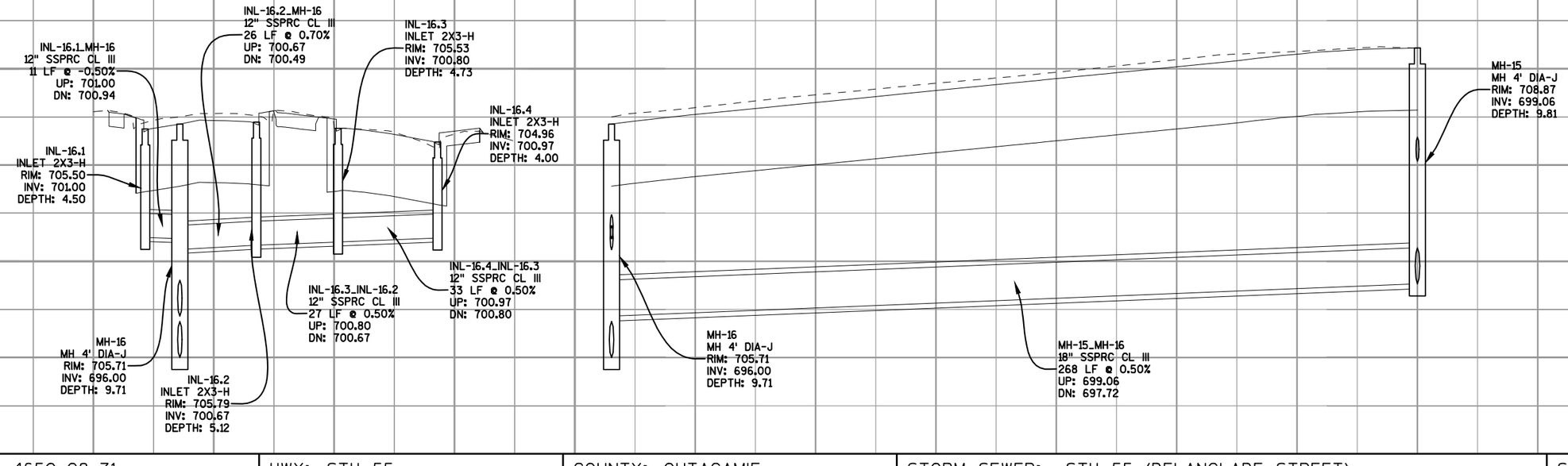
MH-16_MH-16.5
18" SSPRC CL III
165 LF @ 0.50%
UP: 696.00
DN: 695.17

MH-16.5
MH 4' DIA-J
RIM: 700.65
INV: 695.17
DEPTH: 5.47

FO duck package

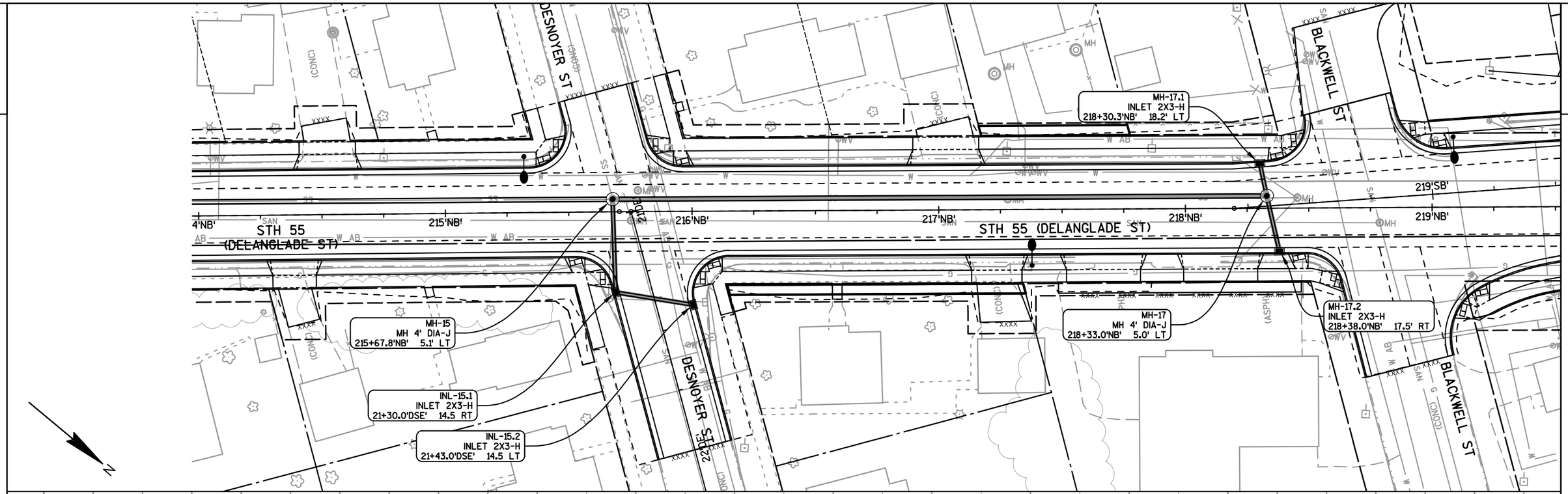
PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	STORM SEWER: STH 55 (DELANGLADE STREET)	SHEET 113	E

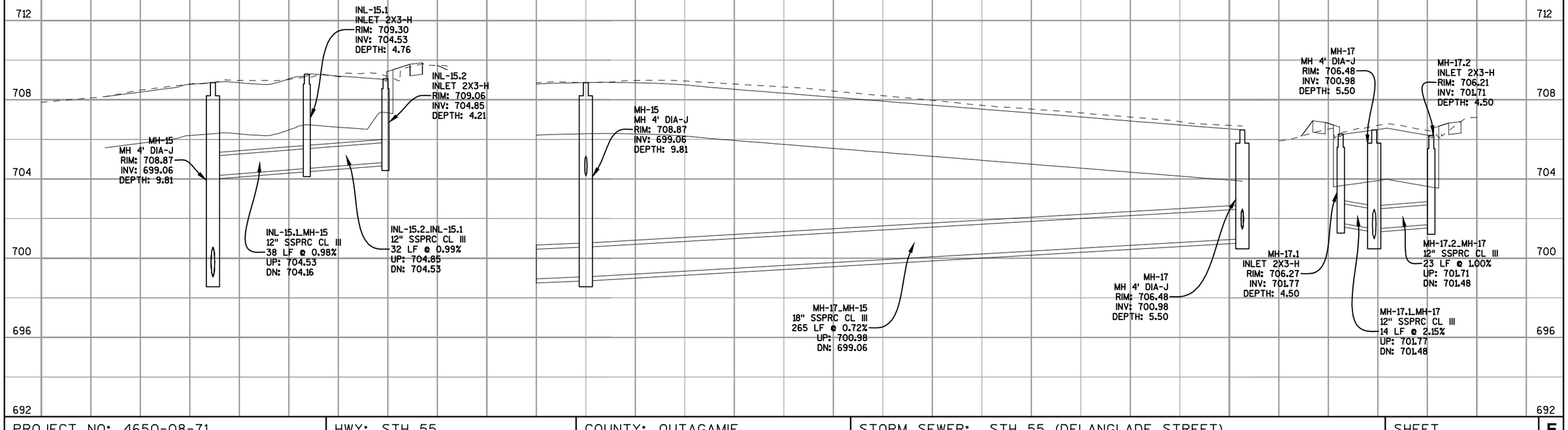




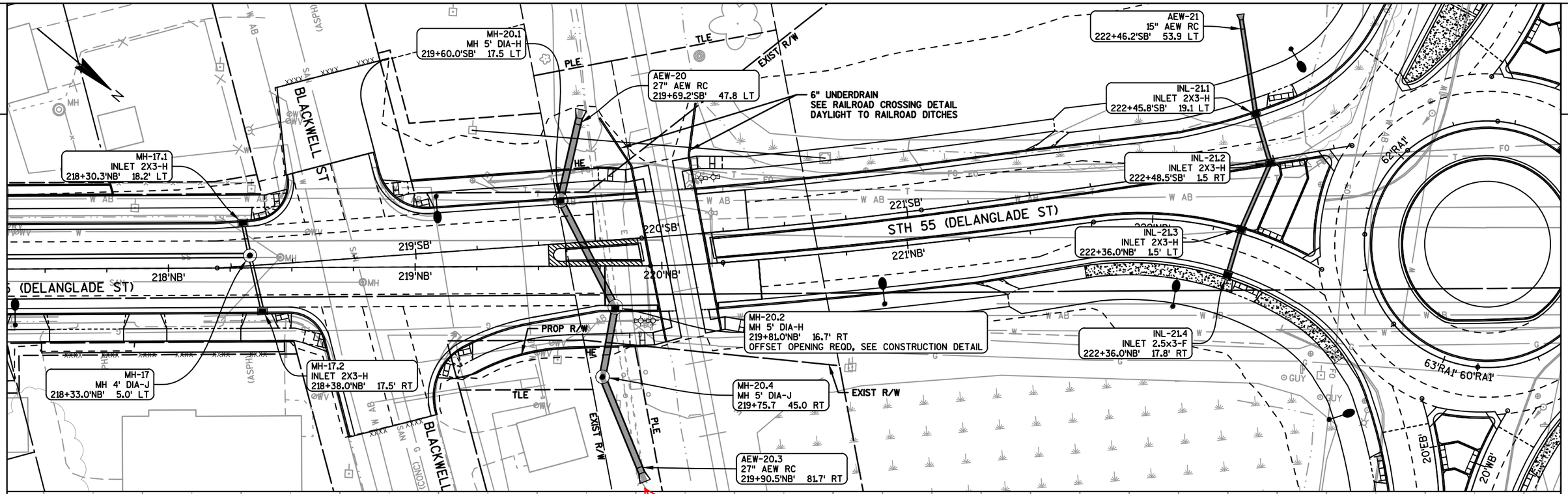
PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	STORM SEWER: STH 55 (DELANGLADE STREET)	SHEET 114 E

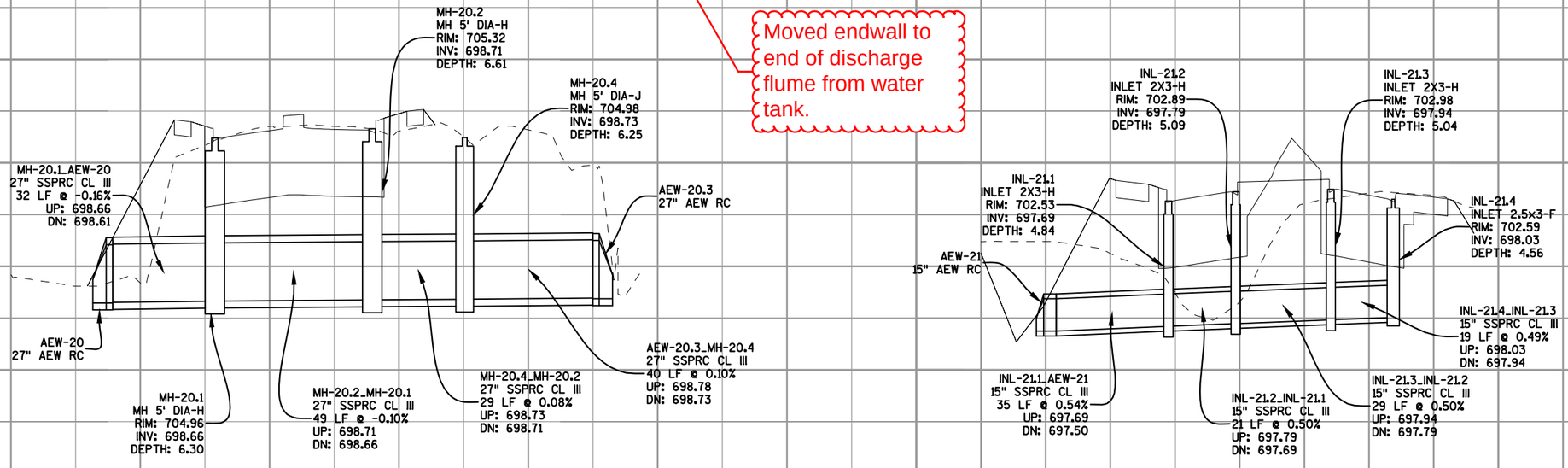
2



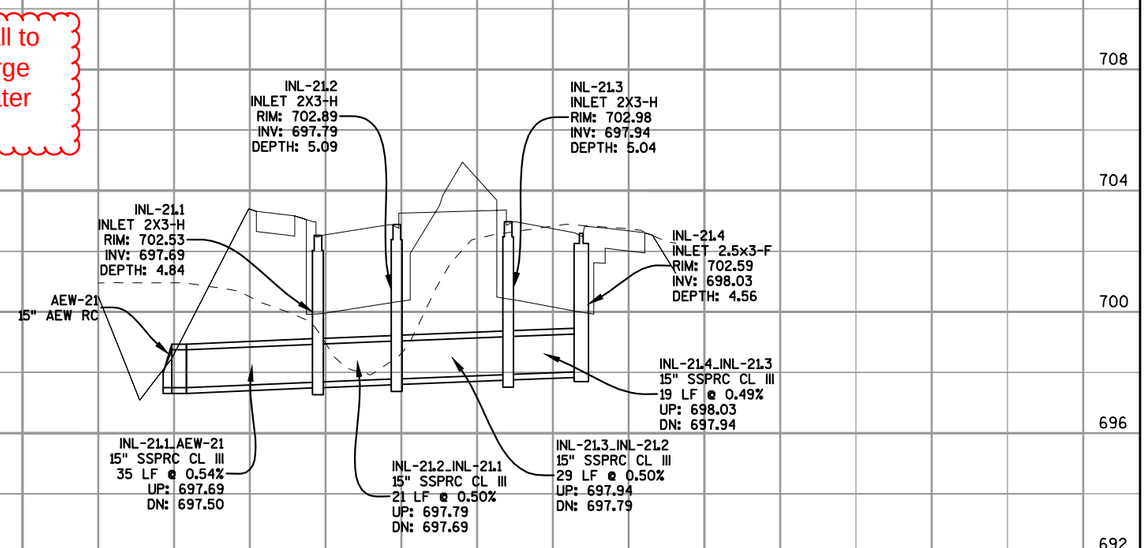


PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	STORM SEWER: STH 55 (DELANGLADE STREET)	SHEET 115 E





Moved endwall to end of discharge flume from water tank.



PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	STORM SEWER: STH 55 (DELANGLADE STREET)	SHEET 116 E

AEW-26
15" AEW RC
17+61.1
-67.2

AEW-26
15" AEW RC
224+07.5'SB' 107.0 LT

AEW-27
30" AEW RC
225+01.5'SB' 80.4 LT

AEW-28
15" AEW RC
226+34.7'SB' 59.5 LT

INL-26.1
INLET 2X2.5-T
61+27.4'RA2' 1.4' LT

INL-26.2
INLET 2X2.5-T
61+14.2'RA1' 1.4' LT

MH-27.1
MH 5' DIA-F
224+87.4'SB' 23.7 LT

INL-28.1
INLET 2X3-H
226+75.0'SB' 25.4 LT

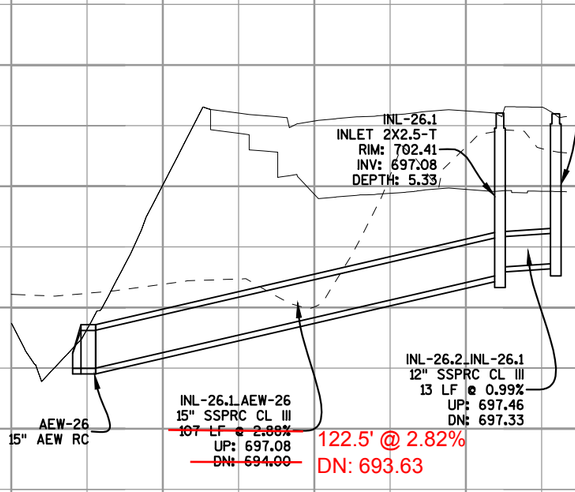
INL-28.2
INLET 2X3-H
226+74.8'SB' 1.5 RT

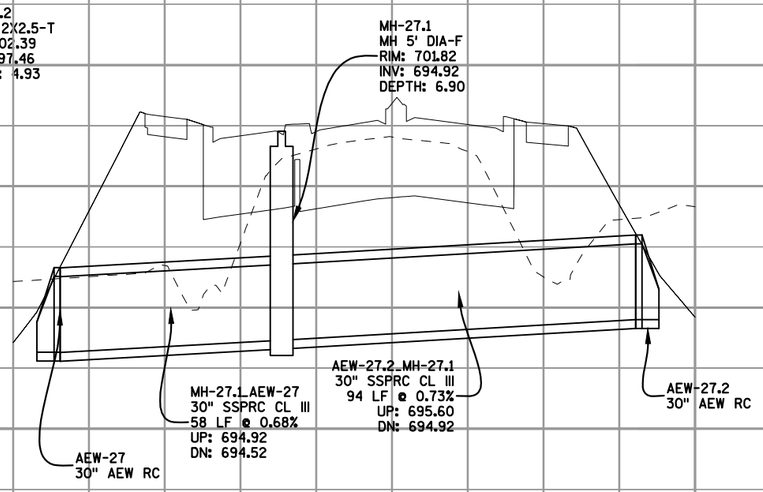
INL-28.3
INLET 2X3-H
226+73.6'NB' 1.5' LT

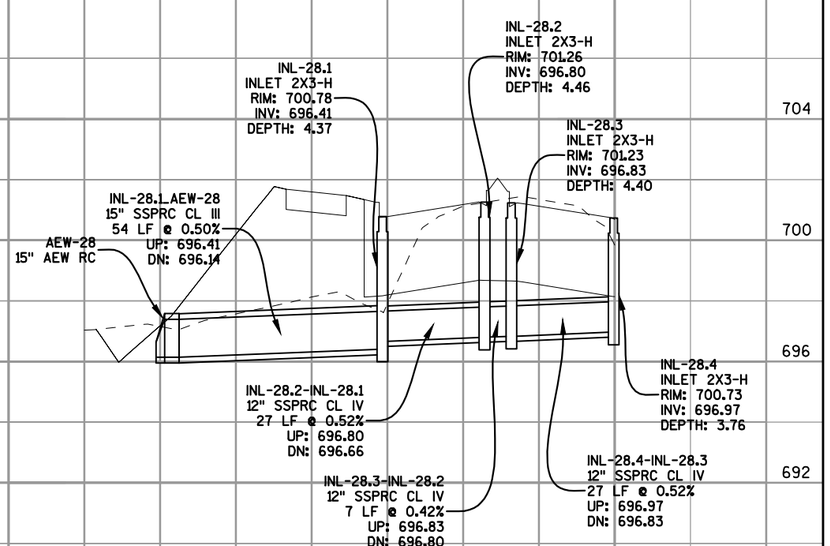
INL-28.4
INLET 2X3-H
226+73.0'NB' 25.5' RT

AEW-27.2
30" AEW RC
224+46.8'NB' 53.1' RT

STH 55 (DELANGLADE ST)







PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	STORM SEWER: STH 55 (DELANGLADE STREET)	SHEET 117 E

MH 5-FT DIA - C

concrete collar outside of manhole

INL-24.1
INLET MEDIAN 1 GRATE
14+38.1'WB' 48.5' LT

EXIST. 103
EX MH 5' DIA-H
15+45.7'WB' 48.5' LT

AEW-25
24" AEW RC
15+97.3'WB' 65.2' LT

REMOVE EXIST 24" SS
EXIST 6" SS FORCEMAIN TO REMAIN

ADJUST SS MANHOLE
1.75' RAISE REQD

INL-23.4
INLET 2X3-H
15+50.0'WB' 25.5' LT

CTH 00 (HYLAND AVE)

INL-23.3
INLET 2X3-H
15+52.5'WB' 1.5' RT

INL-23.2
INLET 2X3-H
15+52.4'EB' 1.5 LT

INL-22.2
INLET 2.5x3-F
17+47.0'EB' 15.3 RT

INL-22.1
INLET 2.5x3-F
17+45.1'EB' 22.6 RT

MH-24
MH 5' DIA-J
14+40.6'EB' 32.0 RT

MH-23.1
MH 5' DIA-H
15+53.0'EB' 25.5 RT

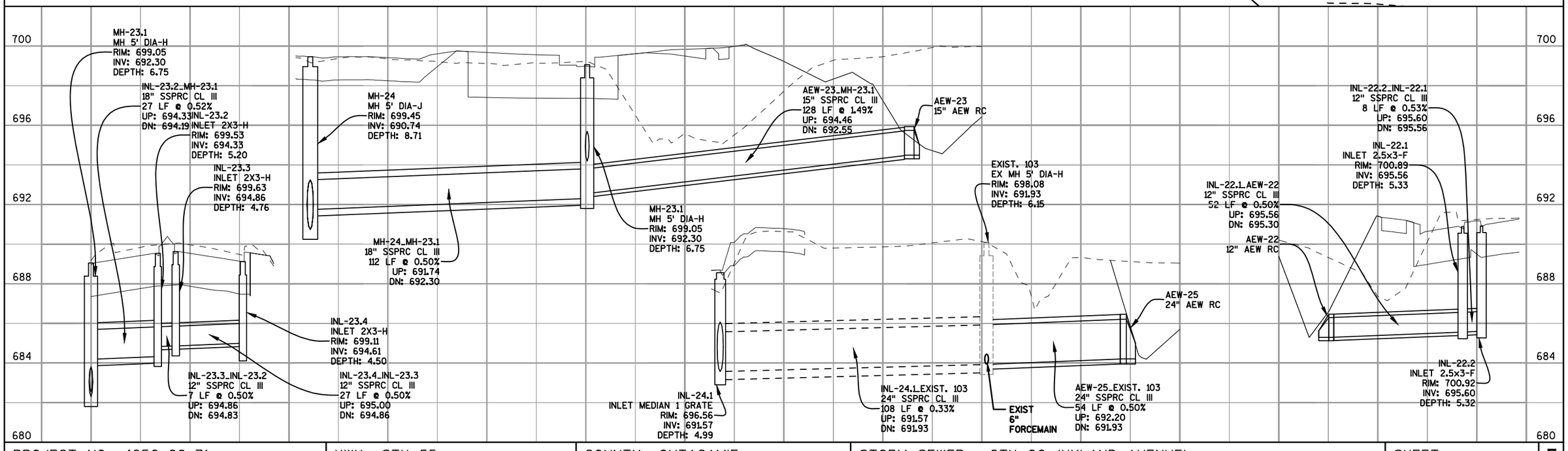
AEW-22
12" AEW RC
17+30.7'EB' 72.4 RT

AEW-23
15" AEW RC
16+68.1'EB' 66.5 RT

EX. 104
MH 5' DIA-J
14+62.8'EB' 102.5 RT

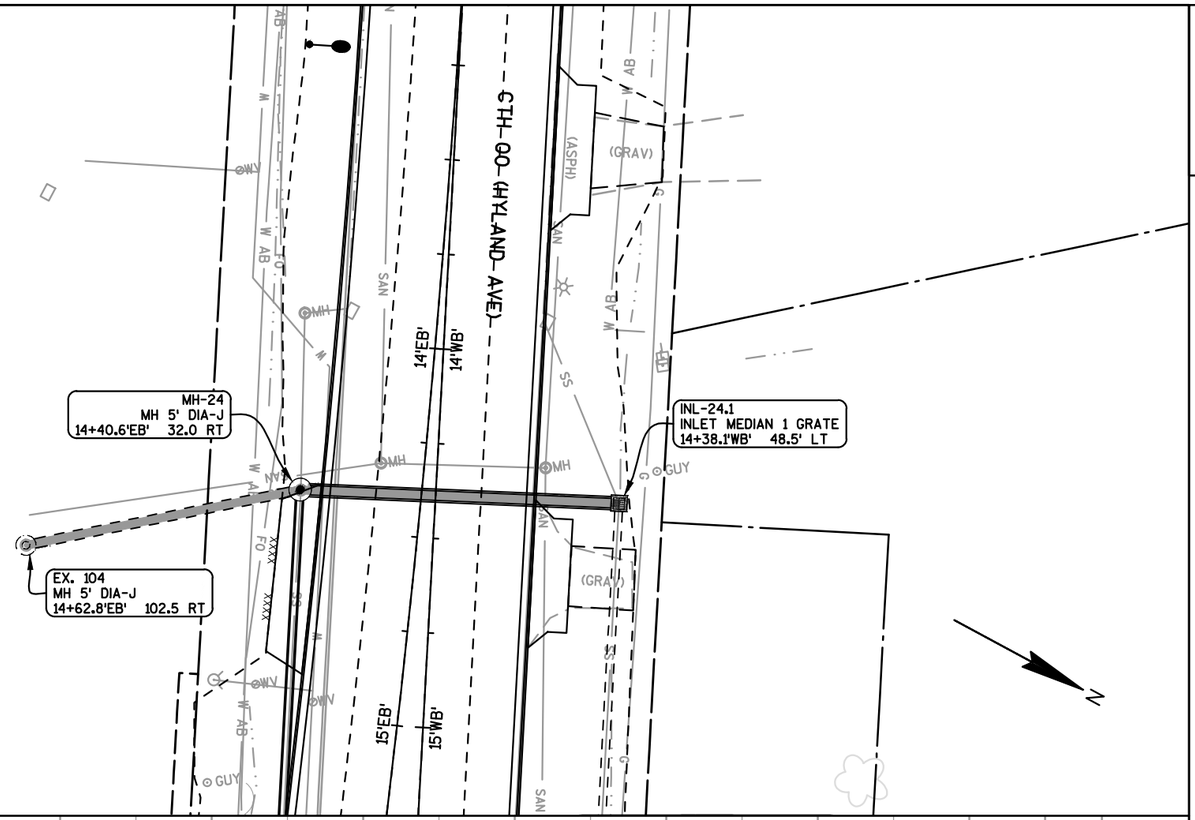
Existing 24-Inch storm sewer system.

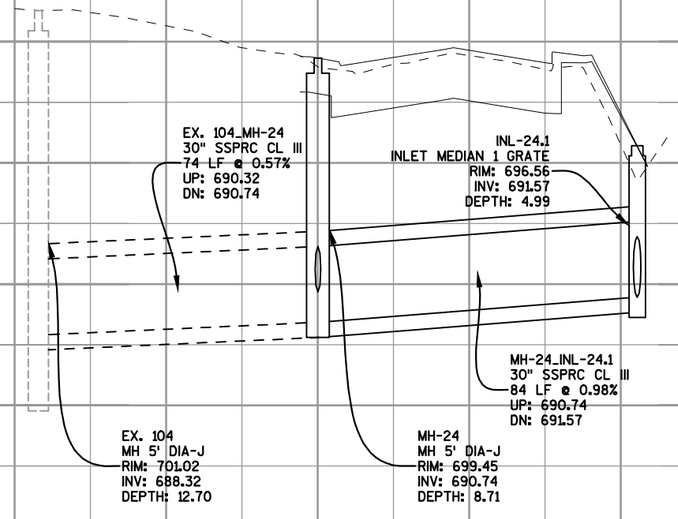
Replaced 58' OF 24-IN SSPRC



PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	STORM SEWER: CTH 00 (HYLAND AVENUE)	SHEET 118 E

2





PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	STORM SEWER: CTH 00 (HYLAND AVENUE)	SHEET 119	E

2

AEW-29
24" AEW RC
20+35.0'WB' 47.8' LT

AEW-31.1
24" AEW RC
21+72.0'WB' 39.2' LT

INL-31.2
INLET 2X3-H
DWY CURB HEAD REQD
21+99.9'WB' 1.5' RT

MH-31
MH 5' DIA-H
21+93.8'EB' 39.7 LT

MH-32
MH 4' DIA-J
22+04.5'EB' 11.7 LT

INL-32.1
INLET 2X3-H
DWY CURB HEAD REQD
22+04.7'EB' 1.5 LT

AEW-29.1
24" AEW RC
20+54.3'EB' 51.7 RT

AEW-30
24" AEW RC
23+21.7'WB' 38.0' LT

INL-33.3
INLET 2X3-H
24+56.0'WB' 16.5' LT

INL-33.2
INLET 2X3-H
24+55.5'WB' 1.5' RT

MH-33
MH 4' DIA-J
24+54.3'EB' 8.0 LT

INL-33.1
INLET 2X3-H
24+52.2'EB' 1.5 LT

CTH OO (HYLAND AVE)

63'RA1'-60'RA1'

20'WB' 21'WB' 22'WB' 23'WB' 24'WB' 25'WB'

20'EB' 21'EB' 22'EB' 23'EB' 24'EB' 25'EB'

(ASPH) (CONC) (ASPH)

W AB M SS FO GUY

708 704 700 696 692 688

AEW-29
24" AEW RC

AEW-29.1_AEW-29
24" SSPRC CL III
109 LF @ 0.16%
UP: 696.35
DN: 696.18

AEW-29.1
24" AEW RC

INL-31.2
INLET 2X3-H
DWY CURB HEAD REQD
RIM: 701.50
INV: 697.01
DEPTH: 4.49

MH-31
MH 5' DIA-H
RIM: 701.26
INV: 696.92
DEPTH: 4.34

INL-32.1
INLET 2X3-H
DWY CURB HEAD REQD
RIM: 701.51
INV: 697.66
DEPTH: 3.85

INL-31.2_MH-31
18" SSPRC CL III
21 LF @ 0.44%
UP: 697.01
DN: 696.92

INL-32.1_MH-32
12" SSPRC CL III
10 LF @ 1.00%
UP: 697.66
DN: 697.56

MH-32_INL-31.2
18" SSPRC CL III
10 LF @ 0.48%
UP: 697.06
DN: 697.01

MH-32
MH 4' DIA-J
RIM: 701.51
INV: 697.06
DEPTH: 4.45

AEW-31.1
24" AEW RC

AEW-30
24" AEW RC

MH-31_AEW-31.1
24" SSPRC CL III
29 LF @ 0.58%
UP: 696.92
DN: 696.75

MH-31
MH 5' DIA-H
RIM: 701.26
INV: 696.92
DEPTH: 4.34

AEW-30_MH-31
24" SSPRC CL IV
134 LF @ 0.50%
UP: 697.59
DN: 696.92

PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	STORM SEWER: CTH OO (HYLAND AVENUE)	SHEET 120	E

2

AEW-29
24" AEW RC
20+35.0'WB' 47.8' LT

AEW-31.1
24" AEW RC
21+72.0'WB' 39.2' LT

INL-31.2
INLET 2X3-H
DWY CURB HEAD REQD
21+99.9'WB' 1.5' RT

MH-31
MH 5' DIA-H
21+93.8'EB' 39.7 LT

MH-32
MH 4' DIA-J
22+04.5'EB' 11.7 LT

INL-32.1
INLET 2X3-H
DWY CURB HEAD REQD
22+04.7'EB' 1.5 LT

AEW-29.1
24" AEW RC
20+54.3'EB' 51.7 RT

AEW-30
24" AEW RC
23+21.7'WB' 38.0' LT

INL-33.3
INLET 2X3-H
24+56.0'WB' 16.5' LT

INL-33.2
INLET 2X3-H
24+55.5'WB' 1.5' RT

MH-33
MH 4' DIA-J
24+54.3'EB' 8.0 LT

INL-33.1
INLET 2X3-H
24+52.2'EB' 1.5 LT

20'WB' 21'WB' 22'WB' 23'WB' 24'WB' 25'WB'

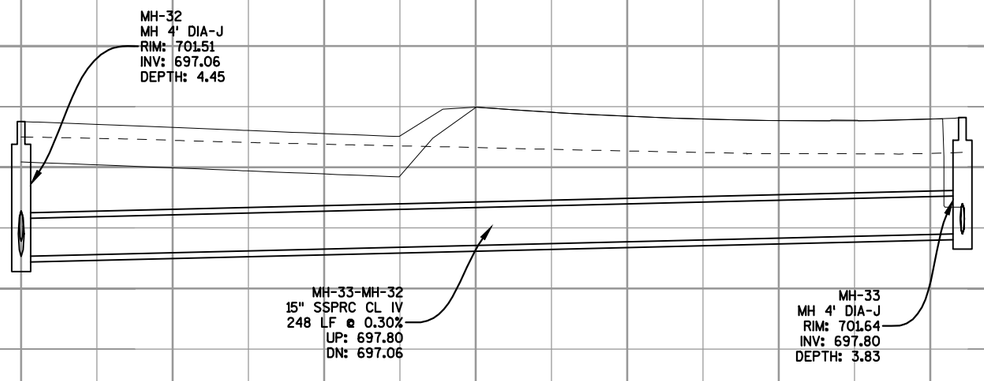
20'EB' 21'EB' 22'EB' 23'EB' 24'EB' 25'EB'

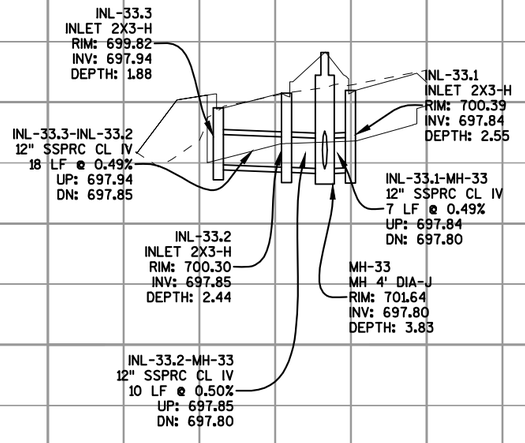
CTH OO (HYLAND AVE)

63'RA1-60'RA1'

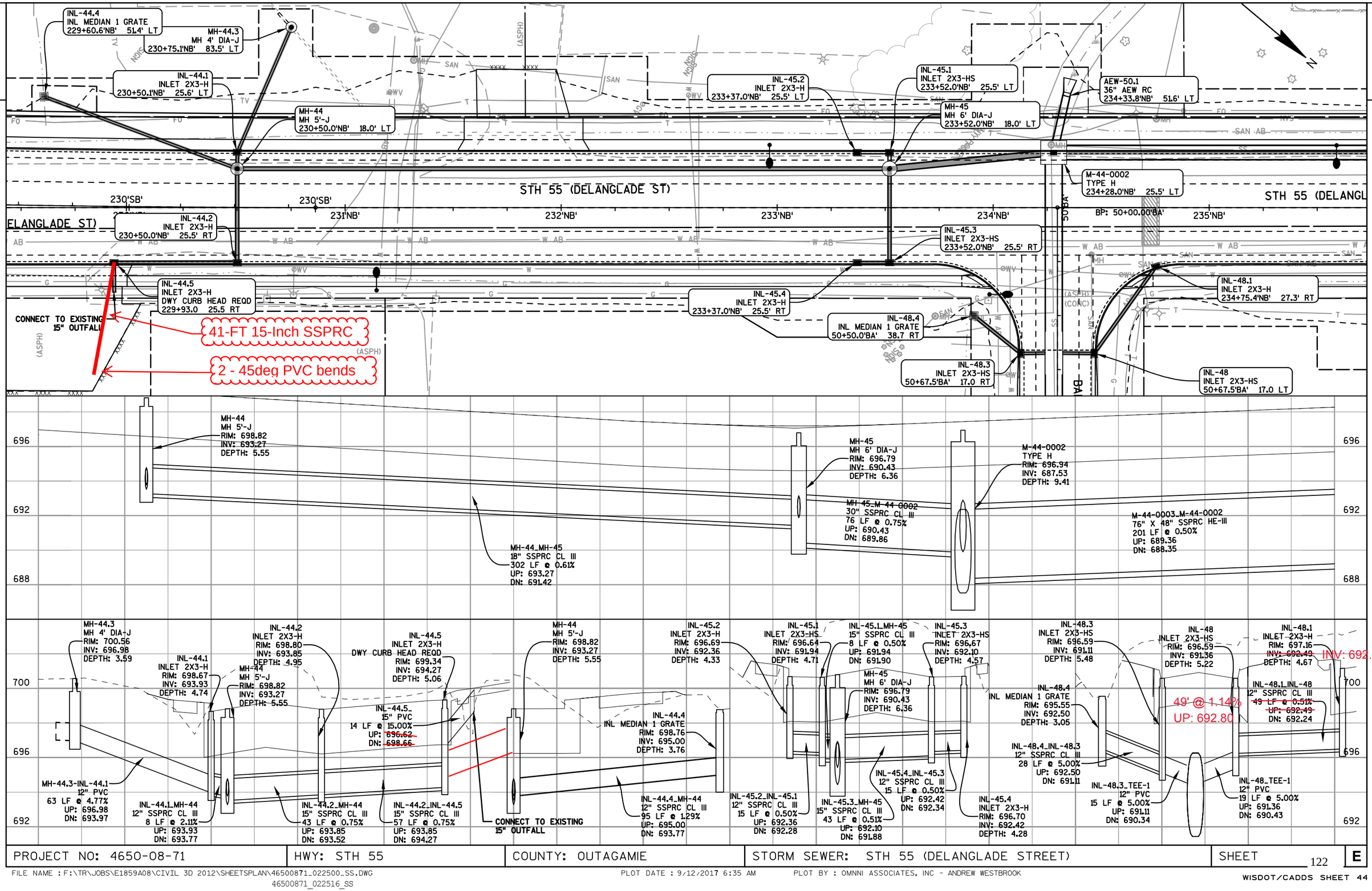
(ASPH) (CONC) (ASPH)

W AB M SS FO GUY





PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	STORM SEWER: CTH OO (HYLAND AVENUE)	SHEET 121	E



PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	STORM SEWER: STH 55 (DELANGLADE STREET)	SHEET 122	E

FILE NAME : F:\TR\JOBS\E1859A08\CIVIL 3D 2012\SHEETSPLAN\46500871_022500_SS.DWG
46500871_022516_SS

PLOT DATE : 9/12/2017 6:35 AM PLOT BY : OMNNI ASSOCIATES, INC - ANDREW WESTBROOK

WISDOT/CADDS SHEET 44

2

MATCH LINE STA 236+00

MATCH LINE STA 242+00

M-44-0003
TYPE H
236+29.0'NB' 25.5' LT

ABANDONED 10" SANITARY

10 LF STORM LATERAL 6-INCH
CONNECT TO EXISTING DRAIN TILE
DAYLIGHT

MH-60.4
MANHOLE VARIABLE TEE 4-FT DIA-H
239+80.0 25.5 LT

STA 239+42
19.5' of 6" PVC
1 - 22.5 deg. bend
2 - 45 deg. bends

INL-63
INL MEDIAN 1 GRATE
241+10.0'NB' 56.8' LT

STA 239+17
6" PVC Lat.
Connectedto
existing with 7.5'

1 - 22.5 deg. bend

M-44-0004
TYPE H
240+00.0'NB' 25.5' LT

STH 55 (DELANGLADE ST)

INL-60.1
INLET 2X3-H
240+00.0'NB' 25.5' RT

INL-55.1
INLET 2X3-H
236+29.0'NB' 25.5' RT

EXIST INL-B
ADJUSTING INLET COVER REQD
EXIST RIM: 698.36
PROP RIM: 698.73
237+75.8 37.7 RT

INL-60.3
INLET 2X3-H
239+80.0 25.5 RT

INL-60.2
INL MEDIAN 1 GRATE
239+86.0'NB' 51.8' RT

MH-55.2
MH 4' DIA-J
236+30.2'NB' 32.6' RT

MAINTAIN EXISTING PIPE DAYLIGHT

700 / 696 / 692 / 688

M-44-0003
TYPE H
RIM: 697.91
INV: 689.36
DEPTH: 8.55

MH-60.4
MANHOLE VARIABLE TEE 4-FT DIA-H
RIM: 700.10
INV: 696.10
DEPTH: 4.00

M-44-0004
TYPE H
RIM: 700.33
~~INV: 691.59~~ INV: 691.25
DEPTH: 8.74

M-44-0004_M-44-0003
76" X 48" SSPRC HE-III
371 LF @ 0.60%
UP: 691.59
DN: 689.36

TEE_M-44-0004
48" SSPRC CL III
110 LF @ 1.00%
UP: 692.69
DN: 691.59

MH-62_TEE
48" SSPRC CL III
92 LF @ 1.00%
UP: 693.61
DN: 692.69

704 / 700 / 696 / 692 / 688

INL-55.1
INLET 2X3-H
RIM: 697.91
INV: 691.94
DEPTH: 5.97

M-44-0003
TYPE H
RIM: 697.91
INV: 689.36
DEPTH: 8.55

MH-55.2
MH 4' DIA-J
RIM: 698.62
INV: 692.30
DEPTH: 6.32
CONNECT EXIST PIPES:
N 6" PVC INV: 692.90
NE 8" PVC INV: 692.99
W 12" PVC INV: 692.35

INL-55.1_M-44-0003
15" SSPRC CL III
51 LF @ 1.00%
UP: 691.94
DN: 691.43

MH-55.2_INL-55.1
12" SSPRC CL III
6 LF @ -1.61%
UP: 692.30
DN: 692.20

INL-60.3
INLET 2X3-H
RIM: 700.10
INV: 696.01
DEPTH: 4.09

INL-60.1
INLET 2X3-H
RIM: 700.33
INV: 695.91
DEPTH: 4.42

INL-60.3_INL-60.1
12" SSPRC CL III
20 LF @ 0.50%
UP: 696.01
DN: 695.91

M-44-0004
TYPE H
RIM: 700.33
~~INV: 691.59~~ INV: 691.25
DEPTH: 8.74

INL-60.1
INLET 2X3-H
RIM: 700.33
INV: 695.91
DEPTH: 4.42

INL-60.2
INL MEDIAN 1 GRATE
RIM: 698.80
INV: 696.06
DEPTH: 2.74

INL-60.1_M-44-0004
12" SSPRC CL III
51 LF @ 0.50%
UP: 695.91
DN: 695.66

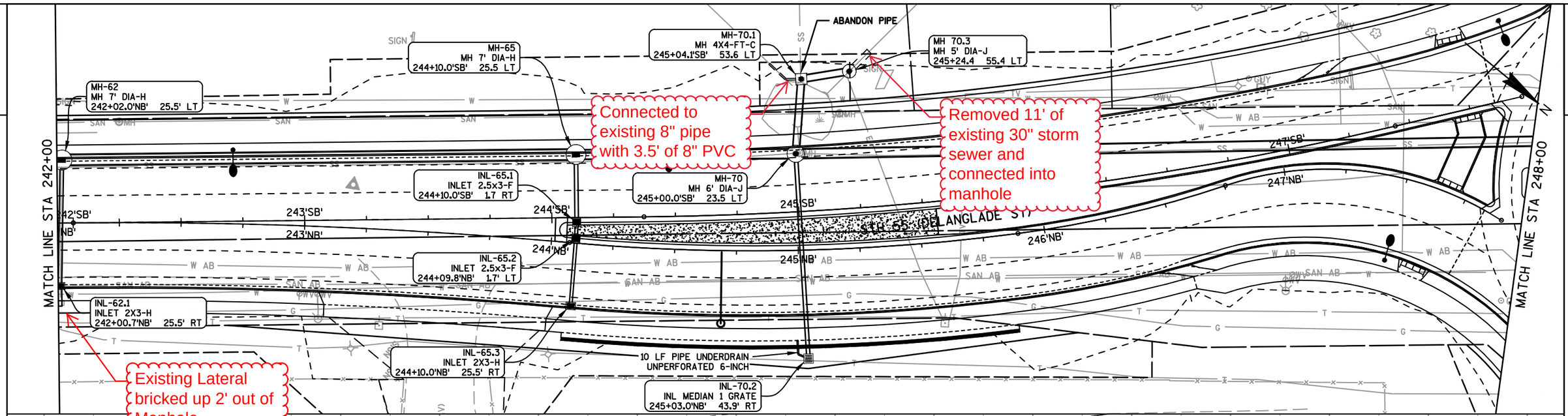
INL-60.2_INL-60.1
12" SSPRC CL III
30 LF @ 0.50%
UP: 696.06
DN: 695.91

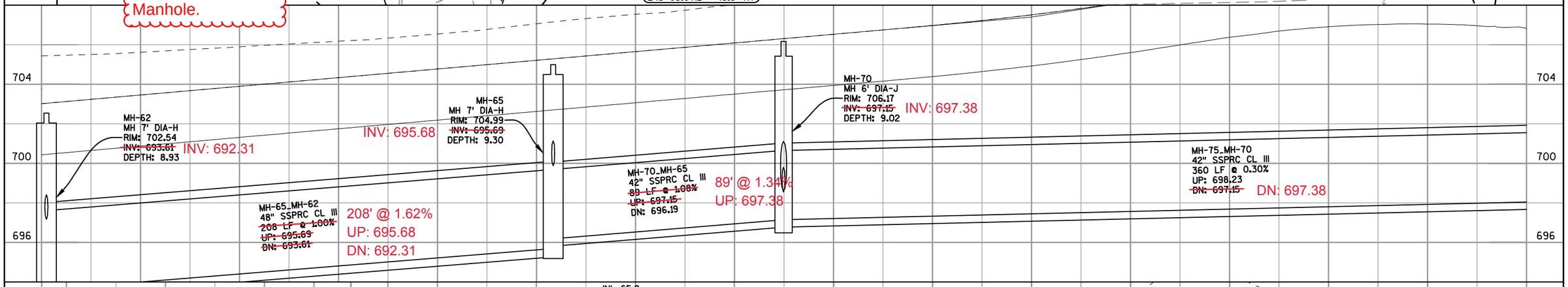
INL-63
INL MEDIAN 1 GRATE
RIM: 702.65
INV: 698.00
DEPTH: 4.65

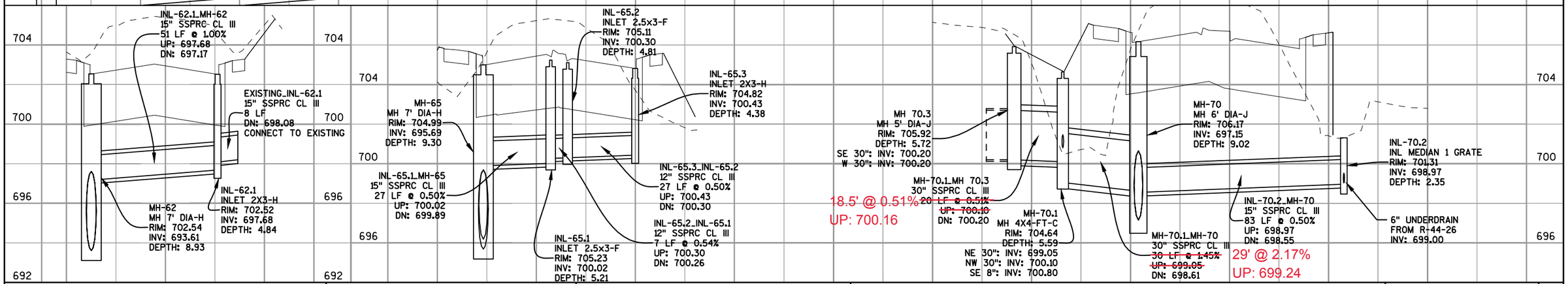
INL-63_TEE
12" PVC
31 LF @ 12.00%
UP: 698.00
DN: 694.25

TEE_M-44-0004
48" SSPRC CL III
110 LF @ 1.00%
UP: 692.69
DN: 691.59

PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	STORM SEWER: STH 55 (DELANGLADE STREET)	SHEET 123	E







PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	STORM SEWER: STH 55 (DELANGLADE STREET)	SHEET 124	E

2

MATCH LINE STA 248+00

MATCH LINE STA 254+00

STH 55 (DELANGLADE ST)

71'RA2'

74'RA2'

83'RA3'

250'SB'

251'SB'

252'SB'

253'SB'

250'NB'

251'NB'

252'NB'

253'NB'

MH-75
MH 6X6-J
71+31.1'RA2' 42.9' LT

INL-150.2
INLET 2X3-H
249+65.0'NB' 1.5' LT

MH-145

MH-80
MH 6' DIA-J
250+51.9'SB' 45.0 LT

INL-80.1
INLET 2X3-HS
250+50.2'SB' 27.3 LT

INL-80.2
INLET 2X3-HS
250+51.8'SB' 1.5 RT

AEW-85.1
36" AEW RC
252+02.4'SB' 54.2 LT

MH-85
MH 7' DIA-J
252+02.5'SB' 44.1 LT

INL-140.3
INLET 2X3-H
252+20.0'NB' 25.5' RT

INL-140.2
INLET 2X3-H
252+17.4'NB' 32.2' RT

AEW-140
12" AEW RC
251+96.5'NB' 81.0' RT

INL-140.1
INLET 2X3-H
252+09.9'NB' 49.5' RT

712

708

704

700

MH-75
MH 6X6-J
RIM: 713.39
INV: 698.23
DEPTH: 15.16

MH-80
MH 6' DIA-J
RIM: 709.69
INV: ~~698.76~~ 698.64
DEPTH: 10.93

MH-85
MH 7' DIA-J
RIM: 709.73
INV: 699.22
DEPTH: 10.51

MH-80_MH-75
42" SSPRC CL III
177 LF @ ~~0.30%~~ 0.21%
UP: ~~698.76~~ 698.66
DN: ~~698.23~~ 698.29

MH-85_MH-80
36" SSPRC CL III
152 LF @ 0.30% 153.2' @0.38%
UP: 699.22
DN: ~~698.76~~ 698.64

MH-90_MH-85
36" SSPRC CL III
~~307 LF @ 0.30%~~ 306.4' @0.27%
UP: ~~700.15~~ 700.05
DN: 699.22

INL-80.1
INLET 2X3-HS
RIM: 709.04
INV: ~~704.10~~ 703.96
DEPTH: 4.93

INL-80.2
INLET 2X3-HS
RIM: 709.55
INV: ~~704.90~~ 704.82
DEPTH: 4.65

MH-80
MH 6' DIA-J
RIM: 709.69
INV: ~~698.76~~ 698.64
DEPTH: 10.93

INL-80.1_MH-80
15" SSPRC CL III
~~18 LF @ 2.00%~~ 18.8' @2.18%
UP: ~~704.10~~ 704.10
DN: ~~703.75~~ 703.55

INL-80.2_INL-80.1
12" SSPRC CL III
~~29 LF @ 2.00%~~ 28.6' @3.08%
UP: ~~704.90~~ 704.82
DN: ~~704.32~~ 703.94

AEW-85.1
36" AEW RC
252+02.4 -54.2 LT

MH-85
MH 7' DIA-J
RIM: 709.73
INV: 699.22
DEPTH: 10.51

AEW-85.1_MH-85
36" SSPRC CL III
10 LF @ 2.00%
UP: 704.61
DN: 704.41

INL-140.2
INLET 2X3-H
RIM: 710.13
INV: ~~705.57~~ 705.87
DEPTH: 4.55

INL-140.3
INLET 2X3-H
RIM: 710.20
INV: ~~705.72~~ 705.95
DEPTH: 4.48

INL-140.3_INL-140.2
12" SSPRC CL III
~~7 LF @ 2.00%~~ 7.5' @1.07%
UP: ~~705.72~~ 705.95
DN: ~~705.57~~ 705.87

INL-140.2_INL-140.1
12" SSPRC CL III
~~19 LF @ 2.00%~~ 20' @1.15%
UP: ~~705.57~~ 705.82
DN: ~~705.19~~ 705.59

INL-140.1_AEW-140
12" SSPRC CL III
~~35 LF @ 2.00%~~ 24.8' @0.28%
UP: ~~705.19~~ 705.55
DN: ~~704.50~~ 705.48

AEW-140
12" AEW RC
~~251+96.5 81.0 RT~~
252+48, 78' RT

INL-140.1
INLET 2X3-H
RIM: 709.91
INV: ~~705.19~~ 705.59
DEPTH: 4.72

PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	STORM SEWER: STH 55 (DELANGLADE STREET)	SHEET 125	E

2

EP: 125+07.84 AA

EP: 124+55.46 AA

84'RA3'

84'RA3'

81'RA3'

SIGN

MH-90
MH 6' DIA-J
80+83.5'RA3' 10.0' LT

INL-90.2
INLET 2X2.5-T
81+20.2'RA3' 1.7' LT

INL-90.1
INLET 2X2.5-T
81+05.2'RA3' 1.7' LT

MATCH LINE STA 254+00

256'SB'

256'NB'

257'NB'

MH-95
MH 6' DIA-J
257+13.0'NB' ~~6.0'~~ RT
257+10'NB', 3' Rt.

20 LF PIPE UNDERDRAIN
UNPERFORATED 6-INCH

INL-95.3
INLET 2X3-HS
257+13.0'NB' 12.5' LT

INL-95.4
INLET 2X3-H
257+28.0'NB' 12.5' LT

IH 41 NORTHBOUND

IH 41 SOUTHBO

STH 55 (DELANGLADE ST)

259'SB'

259'NB'

258'NB'

260'SB'

260

MATCH LINE STA 260+00

INL-95.1
INLET 2X3-HS
257+13.0'NB' 22.5' RT

INL-95.2
INLET 2X3-H
257+28.0'NB' 22.5' RT

20 LF PIPE UNDERDRAIN
UNPERFORATED 6-INCH

N

712
708
704
700

MH-90
MH 6' DIA-J
RIM: 710.29
INV: ~~700.15~~ 700.05
DEPTH: 10.14

MH-95
MH 6' DIA-J
RIM: 708.35
INV: 700.77
DEPTH: 7.58

MH-95_MH-90
36" SSPRC CL III
~~206 LF @ 0.30%~~ 202' @0.36%
UP: 700.77
DN: ~~700.15~~ 700.05

MH-100_MH-95
24" SSPRC CL III
~~322 LF @ 0.66%~~ 325' @0.63%
~~UP: 703.90~~ UP: 703.75
~~DN: 701.77~~ DN: 701.69

INL-90.1
INLET 2X2.5-T
RIM: 709.68
INV: ~~705.64~~ 704.97
DEPTH: 4.65

INL-90.2
INLET 2X2.5-T
RIM: 709.64
INV: 705.15
DEPTH: 4.50

MH-90
MH 6' DIA-J
RIM: 710.29
INV: ~~700.15~~ 700.05
DEPTH: 10.14

INL-90.2_INL-90.1
12" SSPRC CL III
15 LF ~~@ 0.75%~~
~~UP: 705.15~~
~~DN: 705.04~~
@1.07%
UP: 705.12
DN: 704.96

INL-90.1_MH-90
12" SSPRC CL III
21 LF ~~@ 0.75%~~
~~UP: 705.05~~
~~DN: 704.83~~
22.5' @1.51%
UP: 704.97
DN: 704.63

INL-95.3
INLET 2X3-HS
RIM: 708.24
INV: ~~702.89~~ 702.84
DEPTH: 5.35

MH-95
MH 6' DIA-J
RIM: 708.35
INV: 700.77
DEPTH: 7.58

INL-95.1
INLET 2X3-HS
RIM: 708.04
INV: ~~702.85~~ 703.03
DEPTH: 5.19

INL-95.4
INLET 2X3-H
RIM: 708.19
INV: ~~703.4~~ 703.33
DEPTH: 4.78

INL-95.2
INLET 2X3-H
RIM: 707.99
INV: 703.37
DEPTH: 4.62

6" UNDERDRAIN
FROM R-44-25
INV: 704.00

12' @2.33%
UP: 703.33
DN: 703.05

INL-95.4_INL-95.3
12" SSPRC CL III
15 LF ~~@ 2.00%~~
~~UP: 703.41~~
~~DN: 703.11~~

19' @2.21%
UP: 702.84
DN: 702.42

INL-95.3_MH-95
15" SSPRC CL III
18 LF ~~@ 2.00%~~
~~UP: 702.89~~
~~DN: 702.52~~

INL-95.1_MH-95
15" SSPRC CL III
16 LF ~~@ 2.00%~~
~~UP: 702.85~~
~~DN: 702.52~~

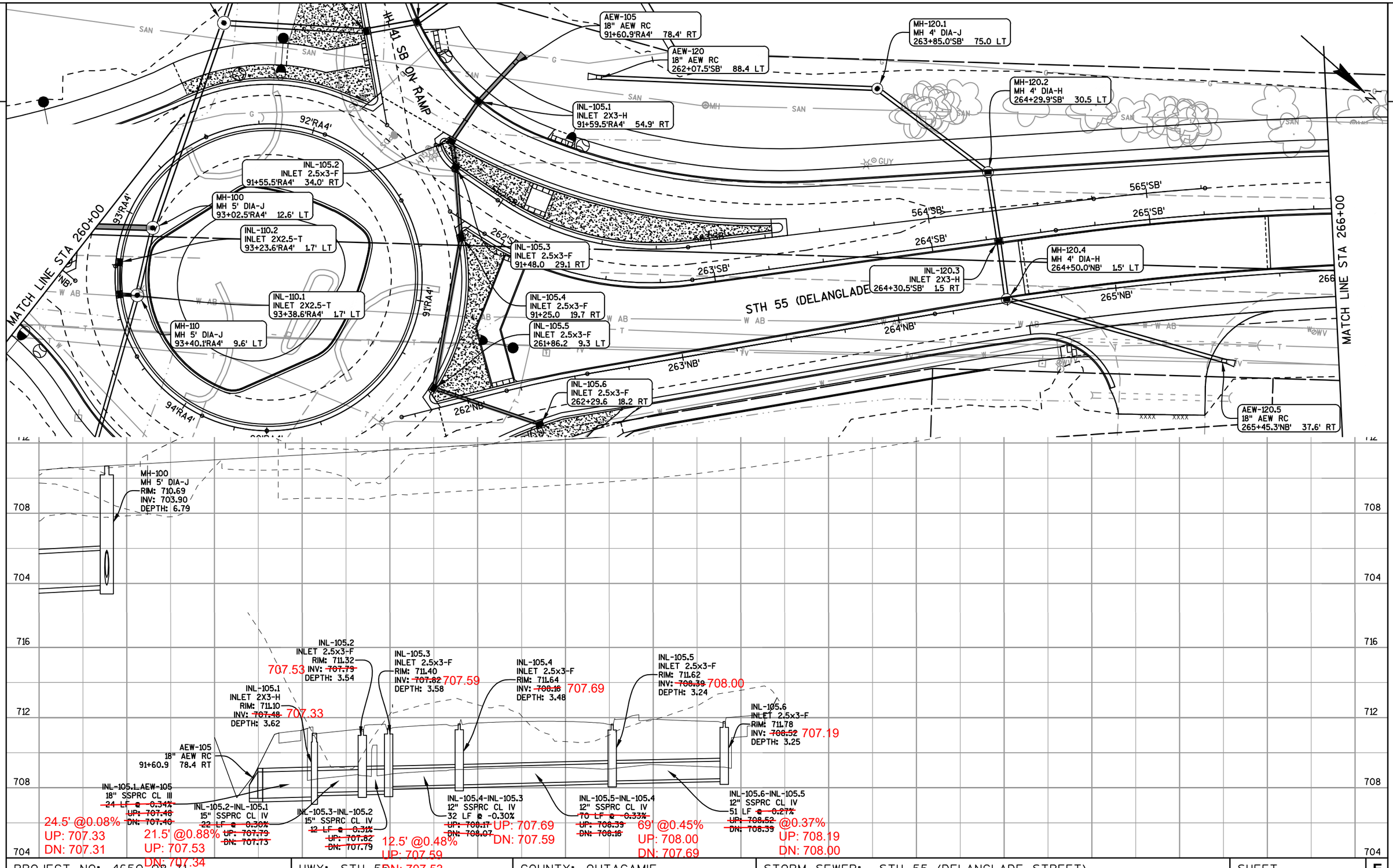
17.7' @3.16%
UP: 703.03
DN: 702.47

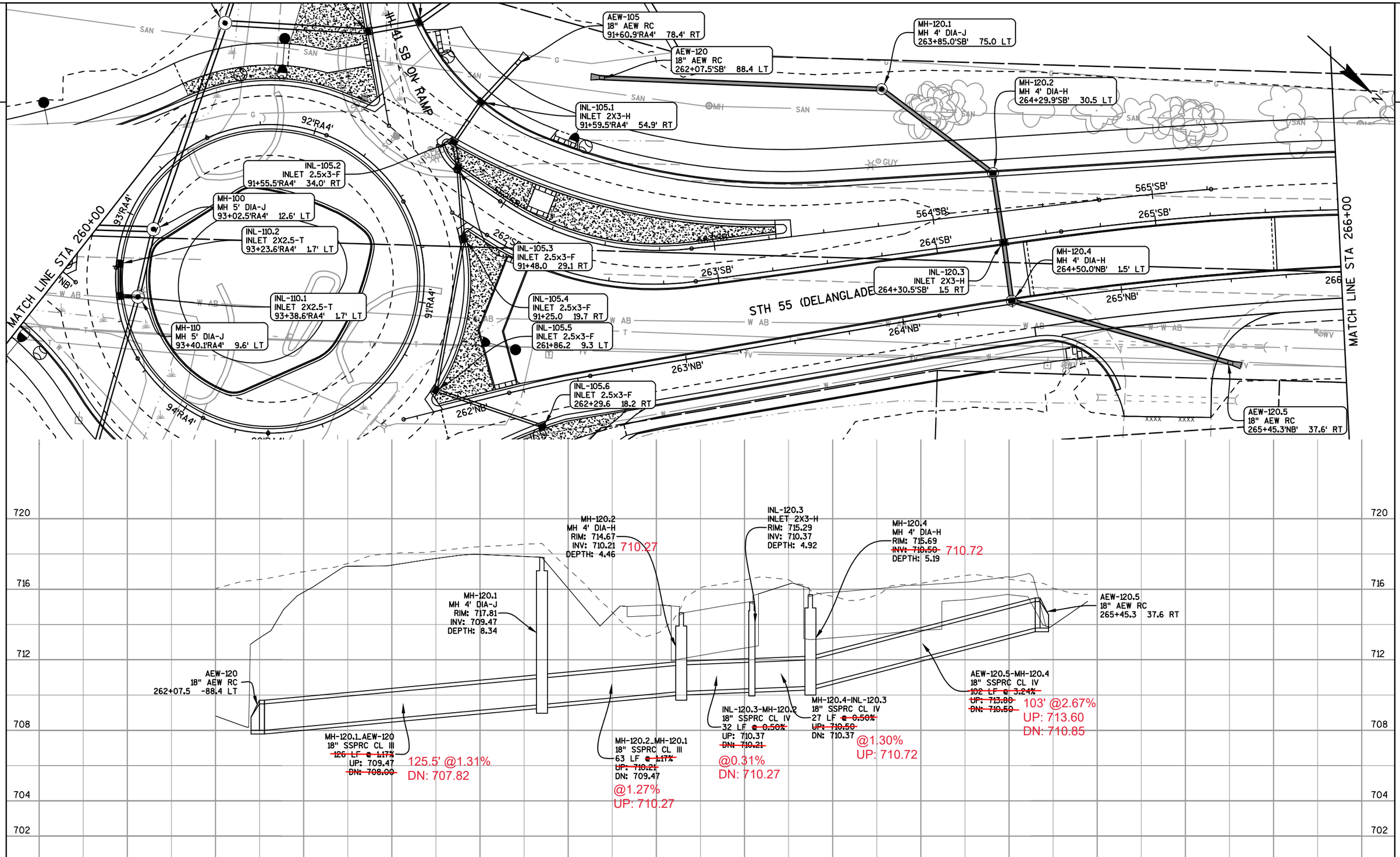
INL-95.2_INL-95.1
12" SSPRC CL III
15 LF ~~@ 2.00%~~
~~UP: 703.37~~
DN: 703.07

12.8' @1.09%
UP: 703.21

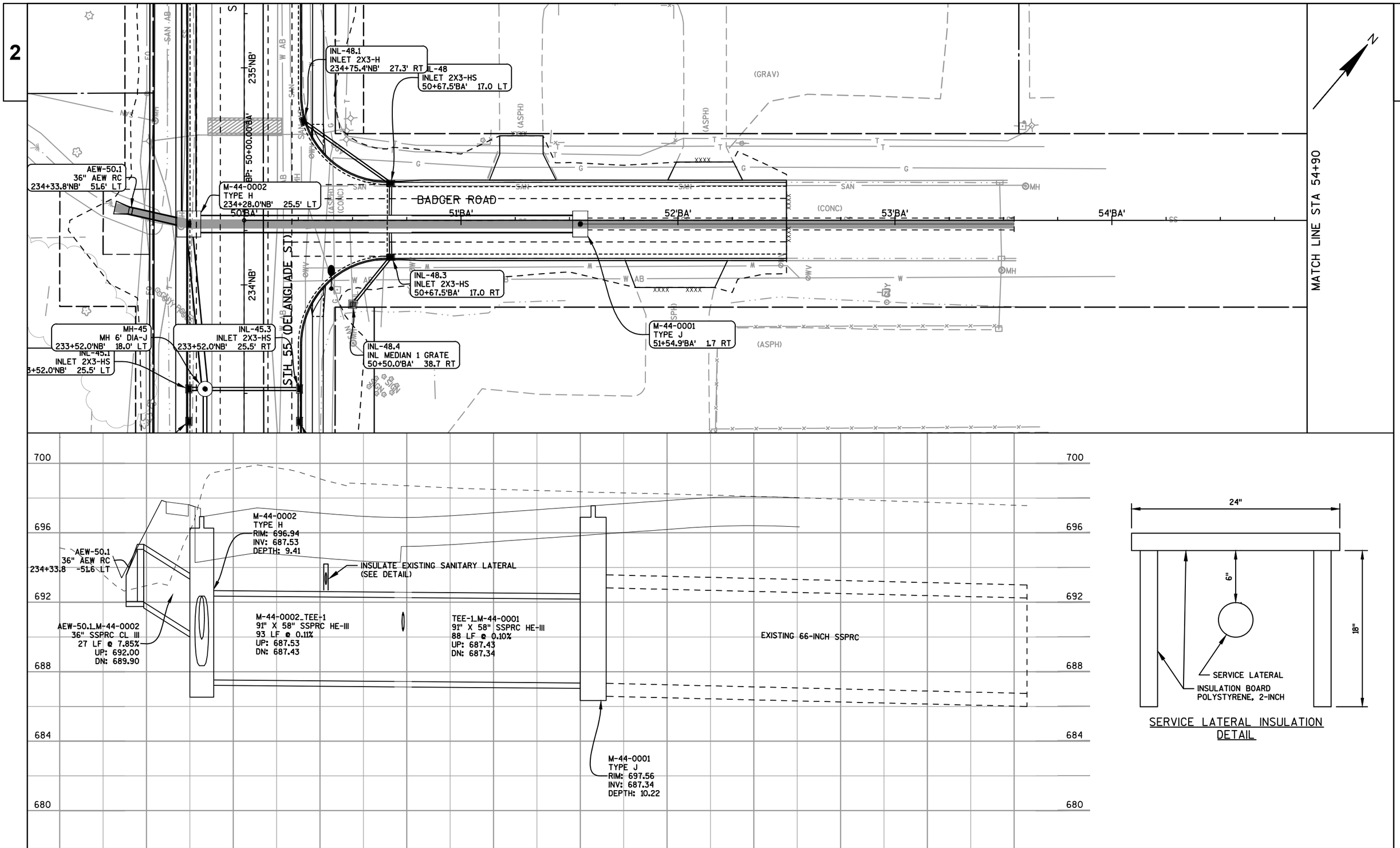
6" UNDERDRAIN
FROM R-44-24
INV: 704.00

PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	STORM SEWER: STH 55 (DELANGLADE STREET)	SHEET 126	E


AEW-105
18" AEW RC
91+60.9'RA4' 78.4' RT
AEW-120
18" AEW RC
262+07.5'SB' 88.4 LT
MH-120.1
MH 4' DIA-J
263+85.0'SB' 75.0 LT
MH-120.2
MH 4' DIA-H
264+29.9'SB' 30.5 LT
INL-105.1
INLET 2X3-H
91+59.5'RA4' 54.9' RT
INL-105.2
INLET 2.5x3-F
91+55.5'RA4' 34.0' RT
MH-100
MH 5' DIA-J
93+02.5'RA4' 12.6' LT
INL-110.2
INLET 2X2.5-T
93+23.6'RA4' 1.7' LT
INL-110.1
INLET 2X2.5-T
93+38.6'RA4' 1.7' LT
MH-110
MH 5' DIA-J
93+40.1'RA4' 9.6' LT
INL-105.3
INLET 2.5x3-F
91+48.0 29.1 RT
INL-105.4
INLET 2.5x3-F
91+25.0 19.7 RT
INL-105.5
INLET 2.5x3-F
261+86.2 9.3 LT
INL-105.6
INLET 2.5x3-F
262+29.6 18.2 RT
INL-120.3
INLET 2X3-H
264+30.5'SB' 1.5 RT
MH-120.4
MH 4' DIA-H
264+50.0'NB' 1.5' LT
AEW-120.5
18" AEW RC
265+45.3'NB' 37.6' RT
STH 55 (DELANGLADE
MATCH LINE STA 260+00
MATCH LINE STA 266+00
#41 SB QW RAMP
92'RA4'
93'RA4'
91'RA4'
94'RA4'
565'SB'
564'SB'
265'SB'
264'SB'
263'SB'
263'NB'
264'NB'
265'NB'
262'NB'
SAN
W AB
GUY
MH-100
MH 5' DIA-J
RIM: 710.69
INV: 703.90
DEPTH: 6.79
INL-105.2
INLET 2.5x3-F
RIM: 711.32
INV: ~~707.73~~ 707.53
DEPTH: 3.54
INL-105.3
INLET 2.5x3-F
RIM: 711.40
INV: ~~707.82~~ 707.59
DEPTH: 3.58
INL-105.4
INLET 2.5x3-F
RIM: 711.64
INV: ~~708.16~~ 707.69
DEPTH: 3.48
INL-105.5
INLET 2.5x3-F
RIM: 711.62
INV: ~~708.39~~ 708.00
DEPTH: 3.24
INL-105.1
INLET 2X3-H
RIM: 711.10
INV: ~~707.48~~ 707.33
DEPTH: 3.62
INL-105.6
INLET 2.5x3-F
RIM: 711.78
INV: ~~708.52~~ 707.19
DEPTH: 3.25
AEW-105
18" AEW RC
91+60.9 78.4 RT
INL-105.1-AEW-105
18" SSPRC CL III
24 LF @ -0.34%
~~UP: 707.48~~
~~DN: 707.40~~
24.5' @0.08%
UP: 707.33
DN: 707.31
INL-105.2-INL-105.1
15" SSPRC CL IV
22 LF @ -0.36%
~~UP: 707.79~~
~~DN: 707.73~~
21.5' @0.88%
UP: 707.53
DN: 707.34
INL-105.3-INL-105.2
15" SSPRC CL IV
12 LF @ -0.31%
~~UP: 707.82~~
~~DN: 707.79~~
12.5' @0.48%
UP: 707.59
DN: 707.53
INL-105.4-INL-105.3
12" SSPRC CL IV
32 LF @ -0.30%
~~UP: 708.17~~
~~DN: 708.07~~
UP: 707.69
DN: 707.59
INL-105.5-INL-105.4
12" SSPRC CL IV
70 LF @ -0.33%
~~UP: 708.39~~
~~DN: 708.16~~
69' @0.45%
UP: 708.00
DN: 707.69
INL-105.6-INL-105.5
12" SSPRC CL IV
51 LF @ -0.27%
~~UP: 708.52~~
~~DN: 708.39~~
@0.37%
UP: 708.19
DN: 708.00
708
704
716
712

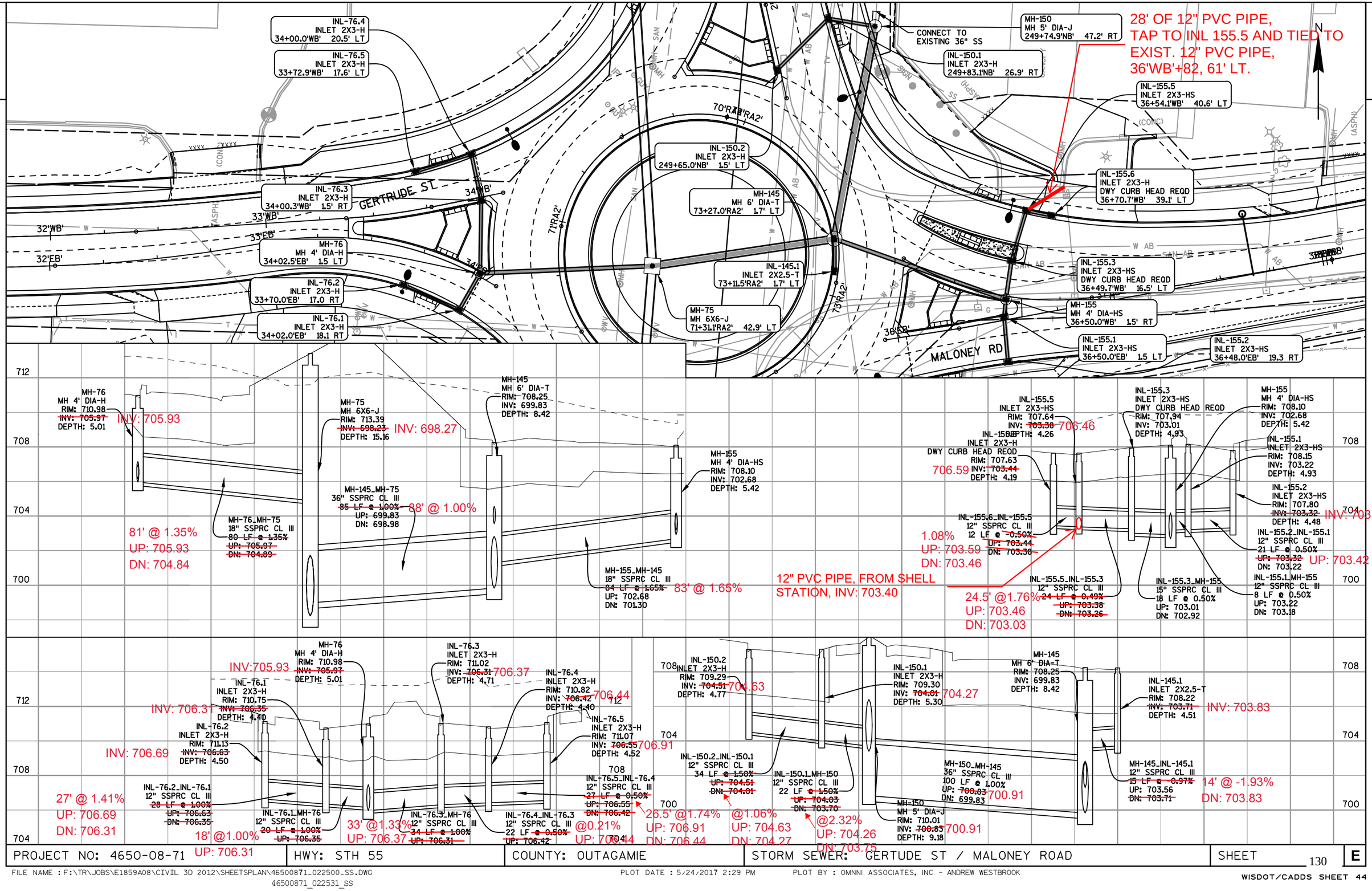


PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	STORM SEWER: STH 55 (DELANGLADE STREET)	SHEET 128	E

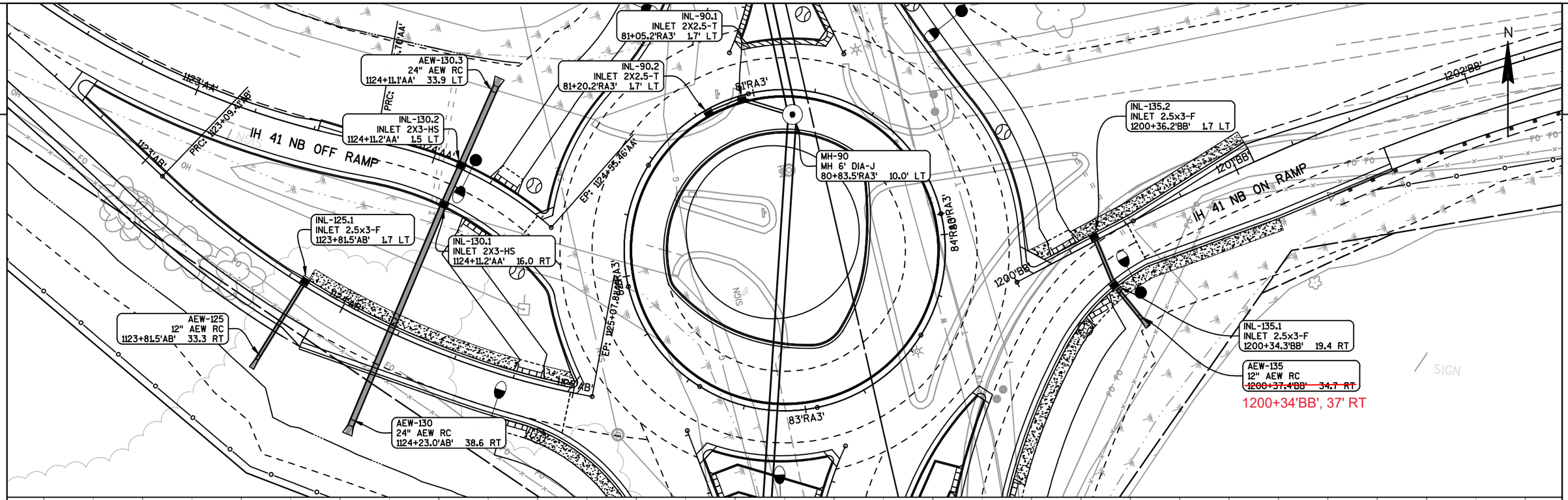


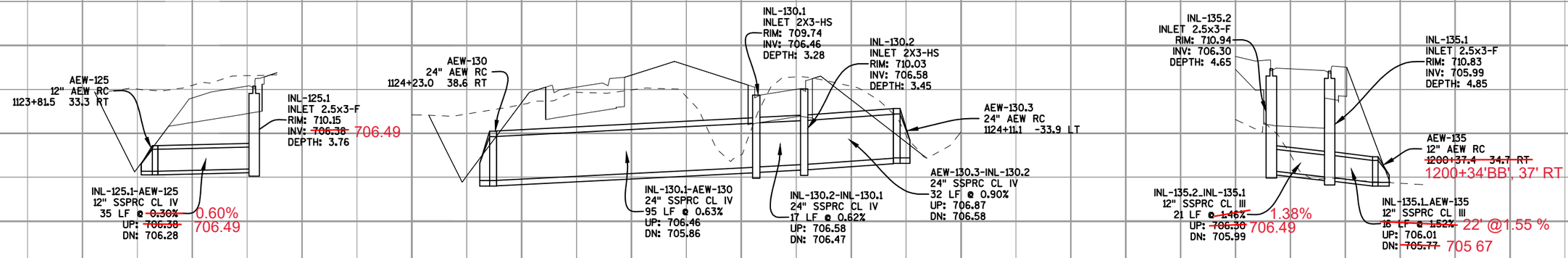
SERVICE LATERAL INSULATION DETAIL

PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	STORM SEWER: STH 55 (DELANGLADE STREET)	SHEET 129	E

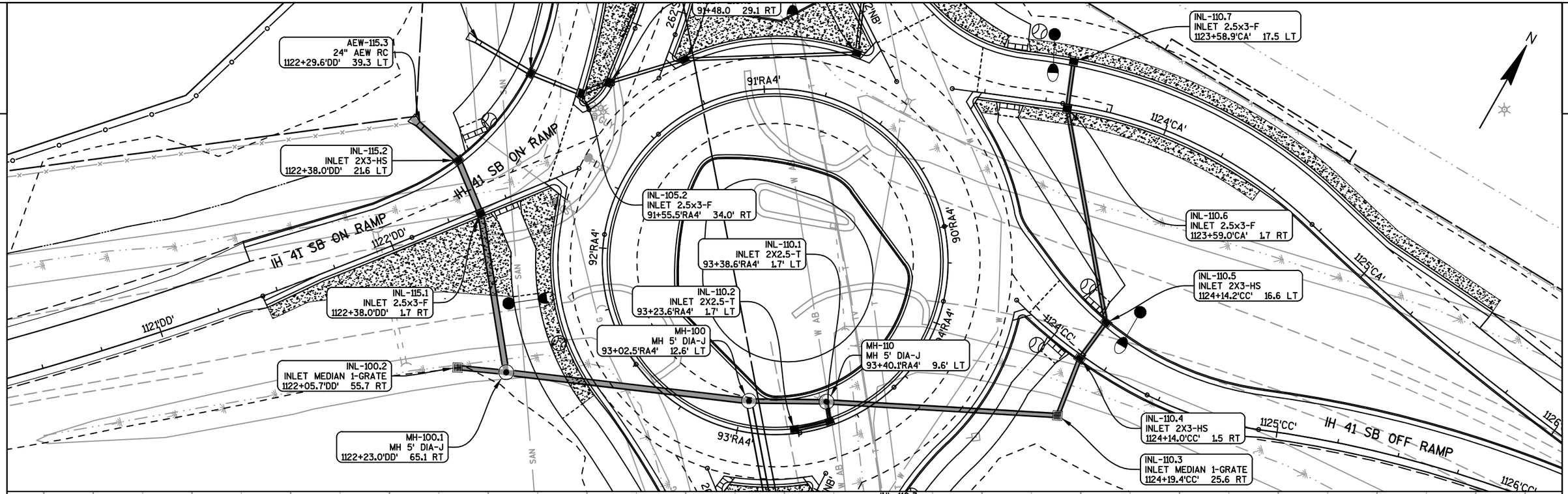


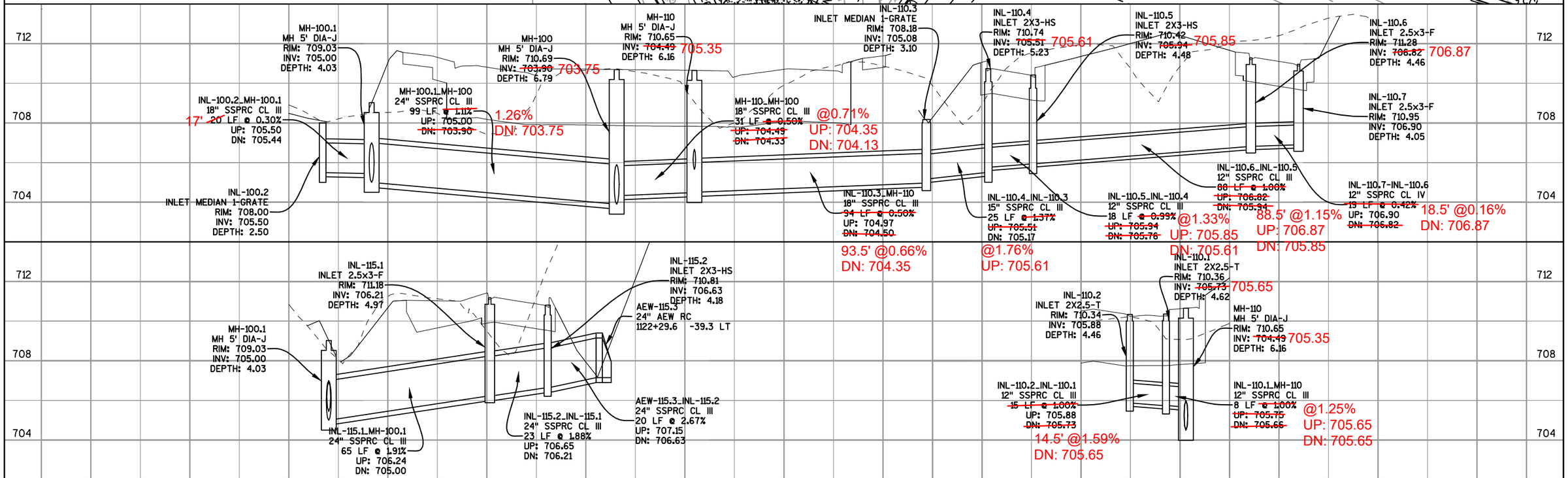
PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	STORM SEWER: GERTUDE ST / MALONEY ROAD	SHEET 130	E





PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	STORM SEWER: USH 41 NORTHBOUND RAMPS	SHEET 131	E





PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	STORM SEWER: USH 41 SOUTHBOUND RAMPS	SHEET 132	E

2

ABANDON EXISTING SANITARY SEWER

SANITARY LATERAL

REMOVE EX SAN MH

ABANDON EXISTING SANITARY SEWER

ABANDON EXISTING SANITARY SEWER

REMOVE EX SAN MANHOLE

REMOVE EX SAN MH

REMOVE EX SAN MH

SANITARY LATERAL

SANITARY LATERAL

SANITARY LATERAL

SANITARY LATERAL

REMOVE EXISTING SANITARY SEWER

SANITARY LATERAL

SAXX4
SAN MH
207+37.0 0.0 T

SAXX1
SAN MH
208+42.0 0.0 T

SAXX2
SAN MH
309+78.1 2.5 RT

SA246
EX SAN MH
102+59.1 14.1 RT

207'NB'

208'NB'

209'NB'

210'NB'

102'J'

101'J'

100'J'

101'PL'

STH 55 / STH 96 (LAWE ST)

CTH J (LAWE ST)

STH 96 (PLANK RD)

MH STH 55 / STH 96 (LAWE ST)

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

F0 W SS SAN MH

700 696 692 688 684 682

SAXX4
SAN MH
RIM: 693.02
STR. DEPTH = 5.86
SW INV: 687.16

SAXX1
SAN MH
RIM: 693.23
STR. DEPTH = 7.51
NE INV: 685.72

24" RCP STORM SEWER

SAXX2
SAN MH
RIM: 694.26
STR. DEPTH = 9.22
SE INV: 685.04
~~SW INV: 685.14~~
NE INV: 685.14

12" RCP STORM SEWER

SA246
EX SAN MH
RIM: 698.08
STR. DEPTH = 8.47
SW INV: 689.61

SAXX1-SAXX2
8" PVC
~~116 LF @ 0.50%~~
114' @ 0.50%
UP: 685.72
DN: 685.14

SA246-SAXX2
8" PVC
265 LF @ 1.68%
UP: 689.61
DN: 685.14

PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	SANITARY SEWER: STH 55 (LAWE STREET)	SHEET 133	E

2

SAXX2
SAN MH
309+78.1 2.5 RT

SAXX1
SAN MH
208+42.0 0.0 T

SAXX3
SAN MH
311+04.5 2.6 RT

EX MH
MH
315+01.1 12.4 LT

STH 55 / STH 96 (LAKE ST)

STH 96 (PLANK RD)

209'NB'

310'PL'

311'PL'

312'PL'

313'PL'

314'PL'

315'PL'

AREA OF POTENTIAL SOIL / GROUNDWATER CONTAMINATION

REMOVE EX SAN MH

ABANDON EXISTING SANITARY SEWER

REMOVE EX SANITARY SEWER

ABANDONED SAN SANI ART

RAILRO

N

MH SA-A
Added to move sanitary sewer away from existing water main.

700
696
692
688
684
680

12" RCP STORM SEWER

12" RCP STORM SEWER

SAXX2
SAN MH
RIM: 694.26
STR. DEPTH = 9.22
SE INV: 685.04
SW INV: 685.14
NE INV: 685.14

SAXX2-SAXX3
8" PVC
~~126 LF @ 0.40%~~
~~UP: 685.04~~
~~DN: 684.54~~
128' @ 0.48%
DN: 684.42

SAXX3
SAN MH
RIM: 691.97
STR. DEPTH = 7.54
~~E INV: 684.44~~
~~NW INV: 684.54~~
E INV: 684.36
NW INV: 684.42

~~SAXX3 EX MH~~
~~8" PVC~~
~~394 LF @ 0.40%~~
~~UP: 684.44~~
~~DN: 682.86~~

SAXX3-SA-A
382' @ 0.35%
UP: 684.36
DN: 683.02

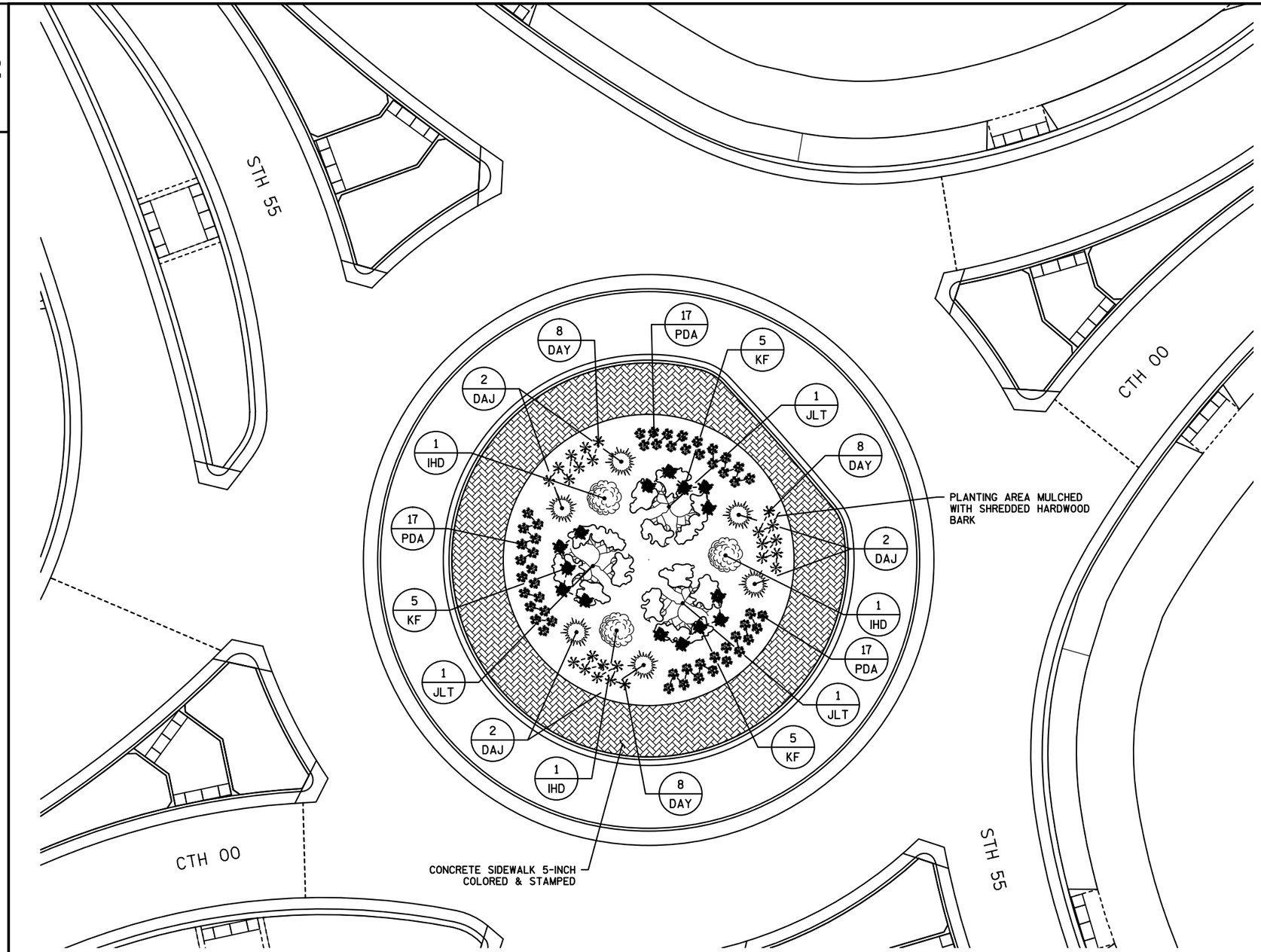
SA-A_EX MH
8"PVC
17' @ 0.59%
UP: 683.00
DN: 682.90

SA-A
SAN MH
E INV: 683.00
W INV: 683.02

EX MH
MH
RIM: 693.96
STR. DEPTH = 11.10

PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	SANITARY SEWER: STH 96 (PLANK ROAD)	SHEET 134	E

FILE NAME : F:\TR\JOBS\E1859A08\CIVIL 3D 2012\SHEETSPLAN\46500871_022500_SS.DWG
46500871_023002_UP
PLOT DATE : 5/24/2017 2:03 PM
PLOT BY : OMNNI ASSOCIATES, INC - ANDREW WESTBROOK



PLANT LIST

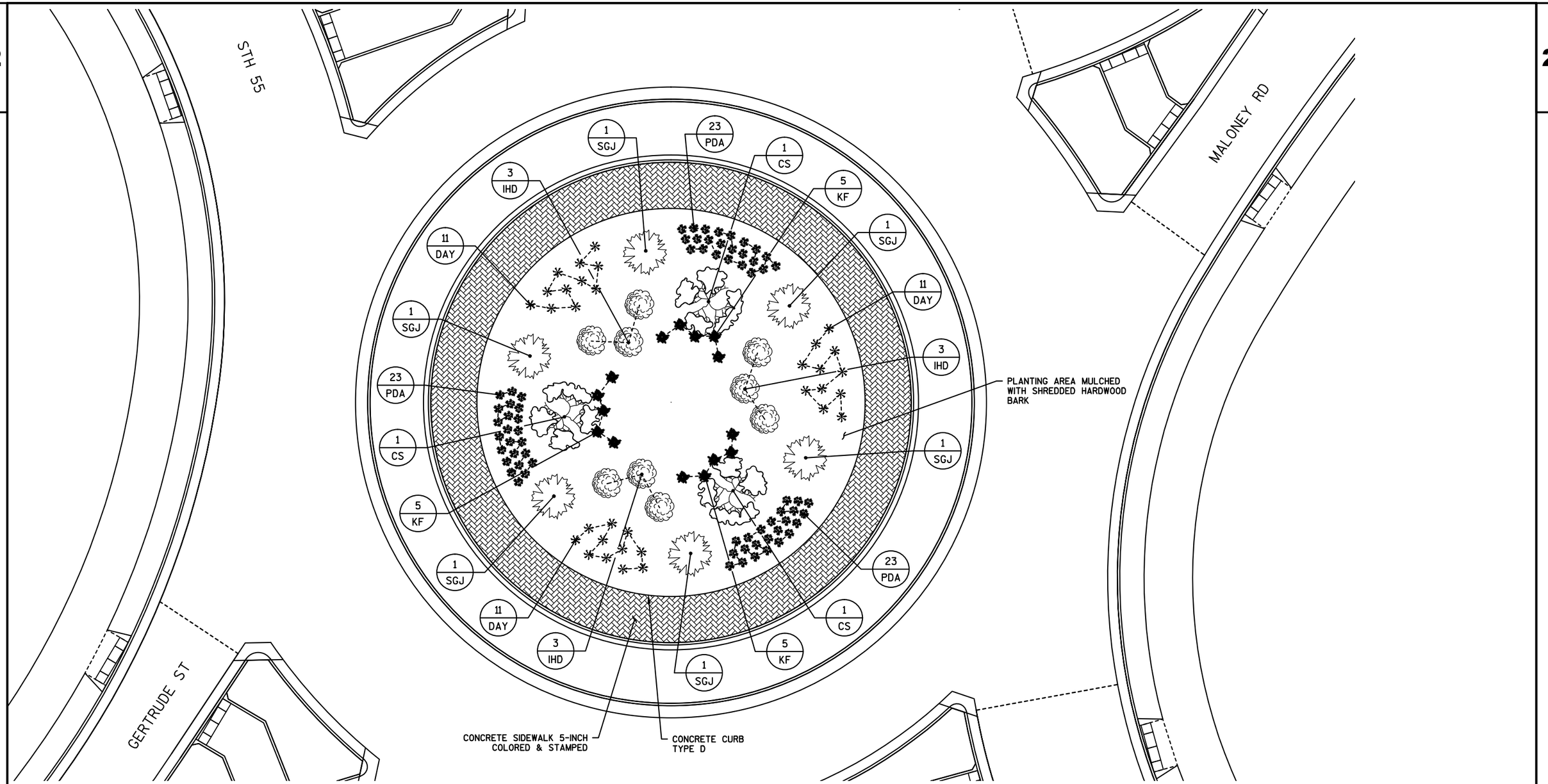
QTY	SYM	COMMON NAME	SCIENTIFIC NAME	TYPE	AVERAGE MATURE HEIGHT	SIZE WHEN PLANTED	ROOT MODE	HOLE SIZE	HOLE DEPTH	MULCH RING	FERTILIZER UNITS	BRACE
24	DAY	DAYLILLIES STELLA D'ORO	HERMEROCALLIS STELLA DE ORO	PERENNIAL	1.5'	1 GAL	POT/CG	8"	8"	12"	1	NO
6	DAJ	JUNIPER ANDORRA COMPACTA	JUNIPERUS HORIZONTALIS PLUMOSA COMPACTA	SHRUB	2'	5 GAL	POT/CG	12"	12"	15"	3	NO
3	JLT	JAPANESE LILAC TREE IVORY SILK	SYRINGA RETICULATA IVORY SILK	TREE	20'-25'	1.5" CAL	B&B	44"	12"	56"	3	YES
15	KF	KARL FOERSTER	CALAMAGROSTIS X ACUTIFLORA KARL FOERSTER	GRASS	3'-5'	1 GAL	POT/CG	8"	8"	12"	1	NO
3	IHD	IVORY HALO DOGWOOD	CORNUS ALBA BAIHALO IVORY HALO	SHRUB	4'-6'	5 GAL	POT/CG	12"	12"	15"	3	NO
51	PDA	PURPLE DOME ASTERS	SYMPHYOTRICHUM NOVAE-ANGLIAE PURPLE DOME	PERENNIAL	1.5'-2'	1 GAL	POT/CG	8"	8"	12"	1	NO

N

SCALE, FEET 0 10 20

PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	PLANTING PLAN - STH 55 AND CTH 00 ROUNDABOUT	SHEET 135 E

FILE NAME : F:\TR\JOBS\E1859A08\CIVIL 3D 2012\SHEETSPLAN\46500871_023100_PL.DWG
46500871_023101_pl
PLOT DATE : 5/31/2017 3:29 PM PLOT BY : OMNNI ASSOCIATES - ANDREW WESTBROOK PLOT SCALE : ******
WISDOT/CADDS SHEET 42



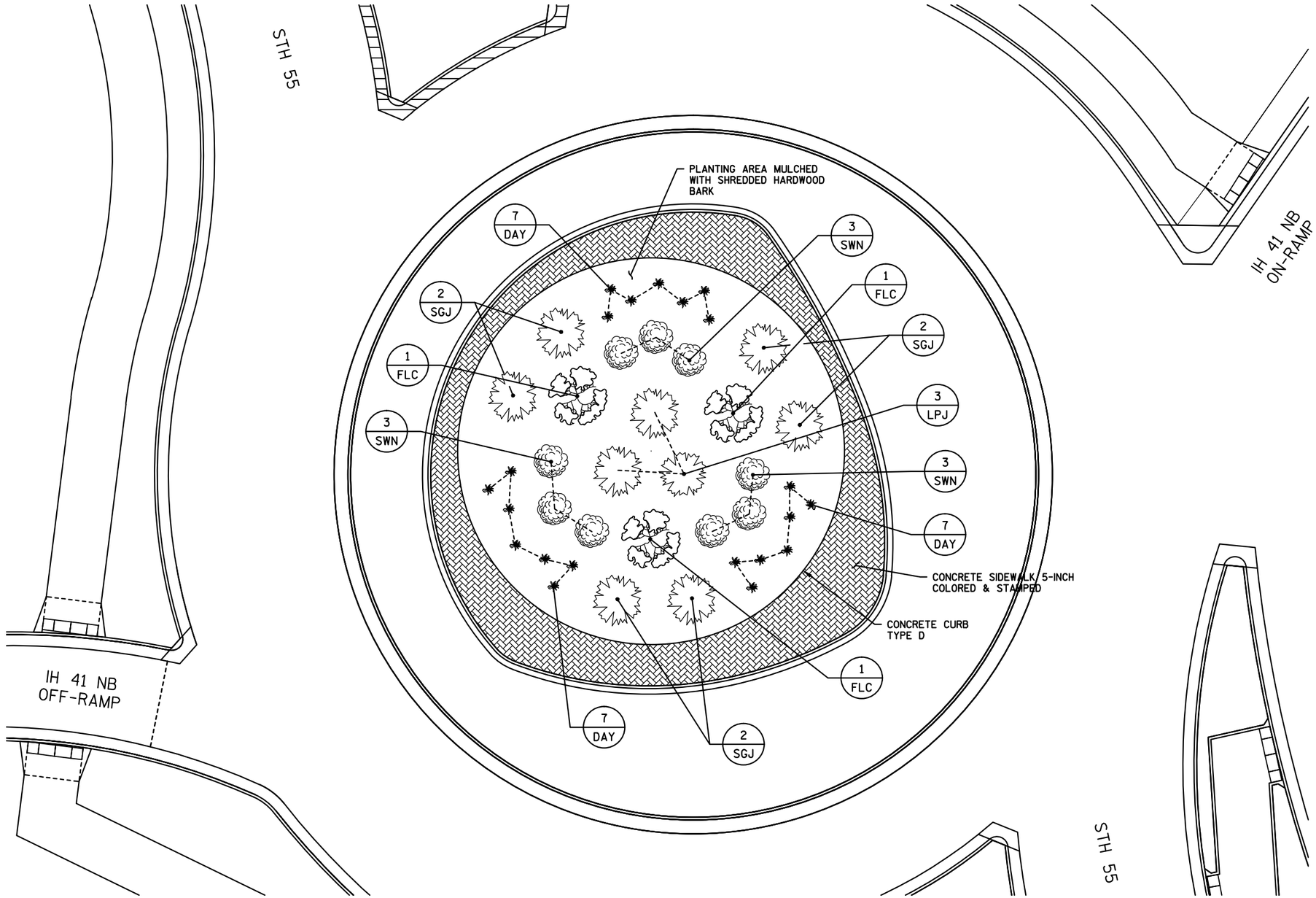
PLANT LIST

QTY	SYM	COMMON NAME	SCIENTIFIC NAME	TYPE	AVERAGE MATURE HEIGHT	SIZE WHEN PLANTED	ROOT MODE	HOLE SIZE	HOLE DEPTH	MULCH RING	FERTILIZER UNITS	BRACE
33	DAY	DAYLILLIES STELLA D'ORO	HERMEROCALLIS STELLA DE ORO	PERENNIAL	1.5'	1 GAL	POT/CG	8"	8"	12"	1	NO
6	SGJ	SEA GREEN JUNIPER	JUNIPERUS CHINENSIS SEA GREEN	SHRUB	4'-6'	5 GAL	POT/CG	12"	12"	15"	3	NO
3	CS	CLEVELAND SELECT	PYRUS CALLERYANA CHANTICLEER	TREE	25'-35'	2" CAL	B&B	48"	14"	60"	3	YES
15	KF	KARL FOERSTER	CALAMAGROSTIS X ACUTIFLORA KARL FOERSTER	GRASS	3'-5'	1 GAL	POT/CG	8"	8"	12"	1	NO
9	IHD	IVORY HALO DOGWOOD	CORNUS ALBA BAIHALO IVORY HALO	SHRUB	4'-6'	5 GAL	POT/CG	12"	12"	15"	3	NO
69	PDA	PURPLE DOME ASTERS	SYMPHYOTRICHUM NOVAE-ANGLIAE PURPLE DOME	PERENNIAL	1.5'-2'	1 GAL	POT/CG	8"	8"	12"	1	NO

N

SCALE, FEET 0 10 20

PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	PLANTING PLAN - STH 55 AND GERTRUDE/MALONEY ROUNDABOUT	SHEET 136 E



PLANT LIST

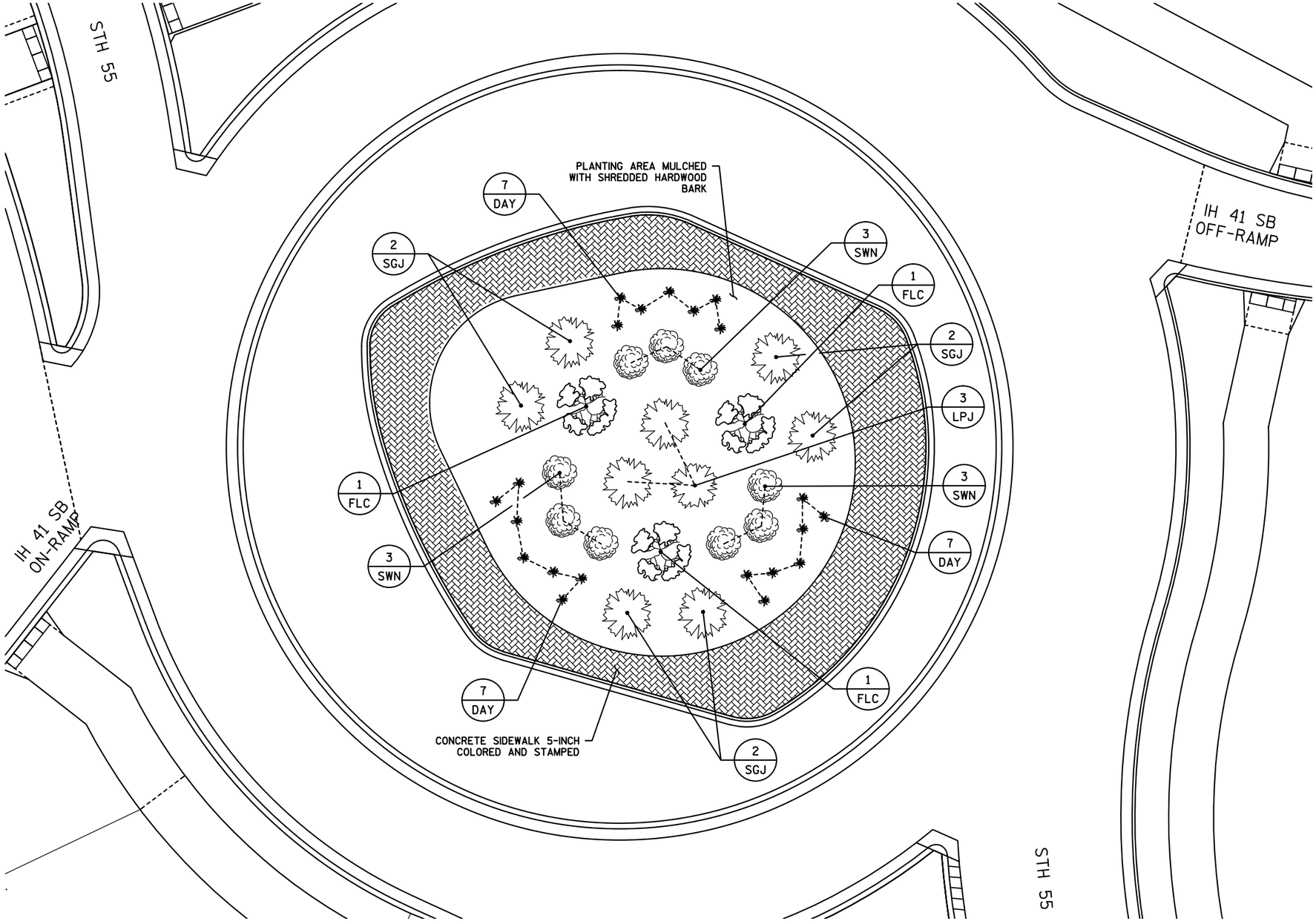
QTY	SYM	COMMON NAME	SCIENTIFIC NAME	TYPE	AVERAGE MATURE HEIGHT	SIZE WHEN PLANTED	ROOT MODE	HOLE SIZE	HOLE DEPTH	MULCH RING	FERTILIZER UNITS	BRACE
21	DAY	DAYLILLIES STELLA D'ORO	HERMEROCALLIS STELLA DE ORO	PERENNIAL	1.5'	1 GAL	POT/CG	8"	8"	12"	1	NO
6	SGJ	SEA GREEN JUNIPER	JUNIPERUS CHINENSIS SEA GREEN	SHRUB	4'-6'	5 GAL	POT/CG	12"	12"	15"	3	NO
3	LPJ	LARGE PYRAMIDAL JUNIPERS WICHITA BLUE	JUNIPERUS SCOPULORUM WICHITA BLUE	SHRUB	10'-15'	5 GAL	POT/CG	12"	12"	15"	3	NO
3	FLC	FLOWERING CRABAPPLE ROYAL RAINDROPS	MALUS JFS-KW5 ROYAL RAINDROPS	TREE	15'-20'	2" CAL	B&B	48"	14"	60"	3	YES
9	SWN	SUMMERWINE NINEBARK	PHYSOCARPUS OPULIFOLIUS SEWARD SUMMERWINE	SHRUB	4'-6'	5 GAL	POT/CG	12"	12"	15"	3	NO

N

SCALE, FEET 0 10 20

PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	PLANTING PLAN - STH 55 AND IH 41 NB RAMPS ROUNDABOUT	SHEET 137 E

FILE NAME : F:\TR\JOBS\E1859A08\CIVIL 3D 2012\SHEETSPLAN\46500871_023100_PL.DWG
46500871_023103_pl
PLOT DATE : 5/31/2017 3:29 PM PLOT BY : OMNNI ASSOCIATES - ANDREW WESTBROOK PLOT SCALE : ******
WISDOT/CADDS SHEET 42



PLANT LIST

QTY	SYM	COMMON NAME	SCIENTIFIC NAME	TYPE	AVERAGE MATURE HEIGHT	SIZE WHEN PLANTED	ROOT MODE	HOLE SIZE	HOLE DEPTH	MULCH RING	FERTILIZER UNITS	BRACE
21	DAY	DAYLILLIES STELLA D'ORO	HERMEROCALLIS STELLA DE ORO	PERENNIAL	1.5'	1 GAL	POT/CG	8"	8"	12"	1	NO
6	SGJ	SEA GREEN JUNIPER	JUNIPERUS CHINENSIS SEA GREEN	SHRUB	4'-6'	5 GAL	POT/CG	12"	12"	15"	3	NO
3	LPJ	LARGE PYRAMIDAL JUNIPERS WICHITA BLUE	JUNIPERUS SCOPULORUM WICHITA BLUE	SHRUB	10'-15'	5 GAL	POT/CG	12"	12"	15"	3	NO
3	FLC	FLOWERING CRABAPPLE ROYAL RAINDROPS	MALUS JFS-KW5 ROYAL RAINDROPS	TREE	15'-20'	2" CAL	B&B	48"	14"	60"	3	YES
9	SWN	SUMMERWINE NINEBARK	PHYSOCARPUS OPULIFOLIUS SEWARD SUMMERWINE	SHRUB	4'-6'	5 GAL	POT/CG	12"	12"	15"	3	NO

N

SCALE, FEET 0 10 20

PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	PLANTING PLAN - STH 55 AND IH 41 SB RAMPS ROUNDABOUT	SHEET 138 E

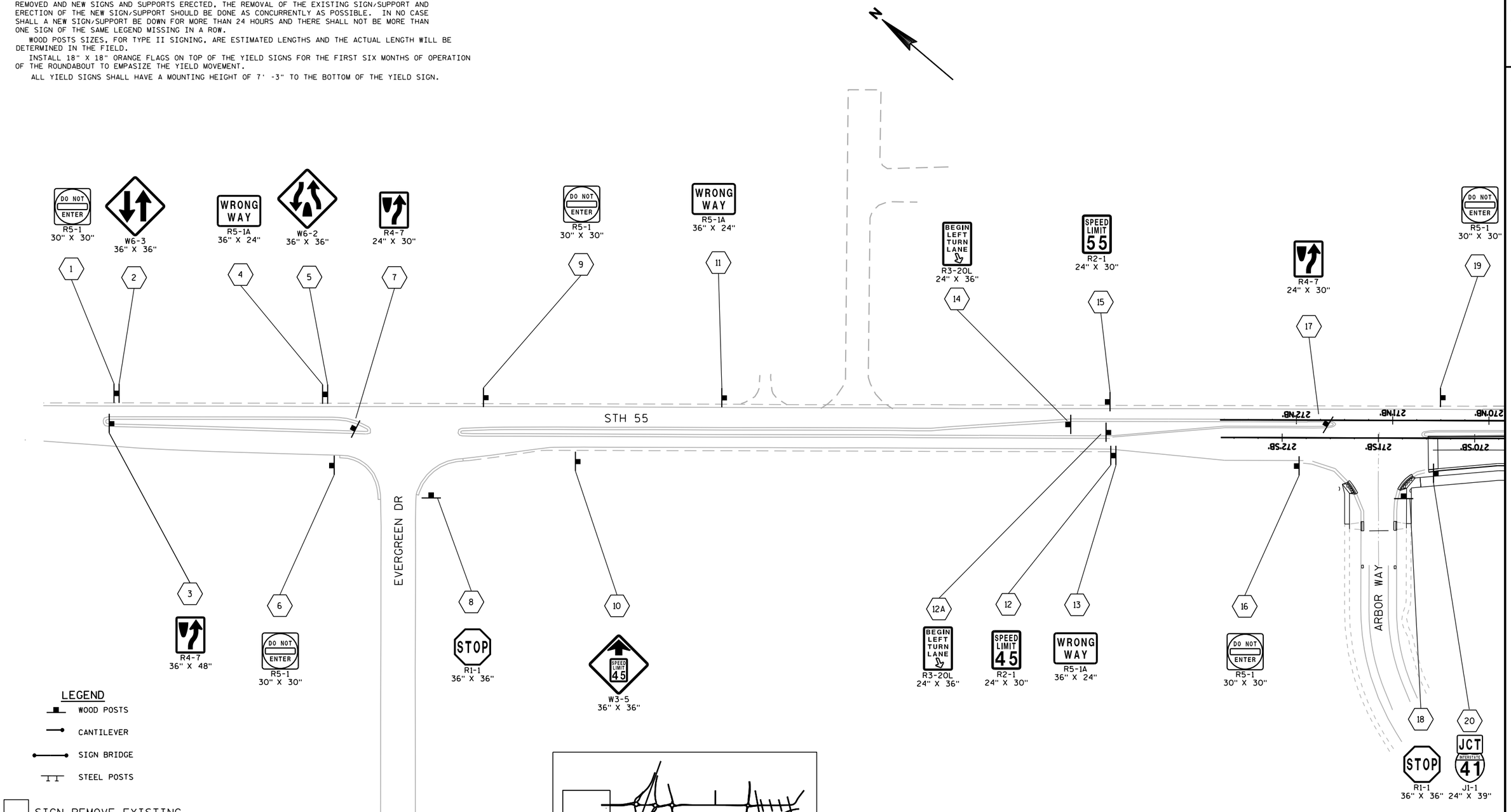
SIGNING NOTES

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

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

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

ALL YIELD SIGNS SHALL HAVE A MOUNTING HEIGHT OF 7' -3" TO THE BOTTOM OF THE YIELD SIGN.



PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	PERMANENT SIGNING	SHEET 139 E

FILE NAME : N:\spo\traffic\SIGNING\Projects\4650-08-71 STH 55 Outagamie Co\023201_ps.dgn PLOT DATE : 06-JUL-2017 15:52 PLOT BY : dotets PLOT NAME : PLOT SCALE : 100:1

WISDOT/CADDS SHEET 42

SIGNING NOTES

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

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

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

ALL YIELD SIGNS SHALL HAVE A MOUNTING HEIGHT OF 7' -3" TO THE BOTTOM OF THE YIELD SIGN.

44 R6-1R 54" X 18"
46 R6-1R 54" X 18"
45 R6-4B 60" X 24"
47 R6-4B 60" X 24"
59 R1-2 36"_X_31"
57 R1-2 36"_X_31"
60 R6-2R 24" X 30"
58 R1-54 24" X 15"
402 E8-1 96" X 90" CENTER OVER LEFT LANE
403 E8-1 96" X 90" CENTER OVER RIGHT LANE
D1-2 66" X 36"
35
R1-2 36"_X_31"
54
R5-1 30" X 30"
55
W12-1D 24" X 24"
56
S-44-0201 OVERHEAD SIGN SUPPORT STA. 1127+56
WRONG WAY R5-1A 36" X 24"
64
R3-8DD 36" X 30"
66
63
WRONG WAY R5-1A 36" X 24"
65
R3-8DD 36" X 30"
R1-2 36"_X_31"
50
R1-54 24" X 15"
51
R1-2 36"_X_31"
52
R6-2R 24" X 30"
53
R5-1 30" X 30"
R3-1 24" X 24"
62
WRONG WAY R5-1A 36" X 24"
23
R3-8D 36" X 30"
24
J4-1 24" X 36"
27
STH 55
258'NB
S-44-0200 OVERHEAD SIGN SUPPORT STA. 266+15
21
W2-6 30" X 30"
22
W13-1 18" X 18"
400 E8-1 108" X 120" CENTER OVER LEFT LANE
401 E8-1 108" X 90" CENTER OVER RIGHT LANE
25
R3-8D 36" X 30"
26
R11-54F 48" X 30"
28
W3-2 36" X 36"
29
W12-1D 24" X 24"
30
R1-2 36" X 31"
31
R6-2R 24" X 30"
32
R1-2 36"_X_31"
33
R1-54 24" X 15"
34
R1-2 36"_X_31"
39
R5-57 36" X 36"
PEDESTRIANS BICYCLES NON MOTORIZED TRAFFIC MOTOR BICYCLES PROHIBITED
40
D1-2 66" X 36"
41
R11-54F 48" X 30"
42
R6-1R 54" X 18"
43
R6-4B 60" X 24"
49
R4-7 24" X 30"
48
D1-1 72" X 30"
49A
D1-62 96" X 84"

LEGEND

SIGN-REMOVE EXISTING
SIGN-REMOVE AND REPLACE
SIGN-PLACE NEW

WOOD POSTS
TUBULAR STEEL POSTS
CANTILEVER
SIGN BRIDGE
STEEL POSTS

PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: WINNEBAGO	PERMANENT SIGNING	SHEET 140	E

FILE NAME : N:\spo\traffic\SIGNING\Projects\4650-08-71 STH 55 Outagamie Co\023202_ps.dgn PLOT DATE : 06-JUL-2017 15:52 PLOT BY : dotets PLOT NAME : PLOT SCALE : 100:1

WISDOT/CADDS SHEET 42

2

LEGEND

- WOOD POSTS
- CANTILEVER
- SIGN BRIDGE
- STEEL POSTS

SIGN-REMOVE EXISTING

SIGN-REMOVE AND REPLACE

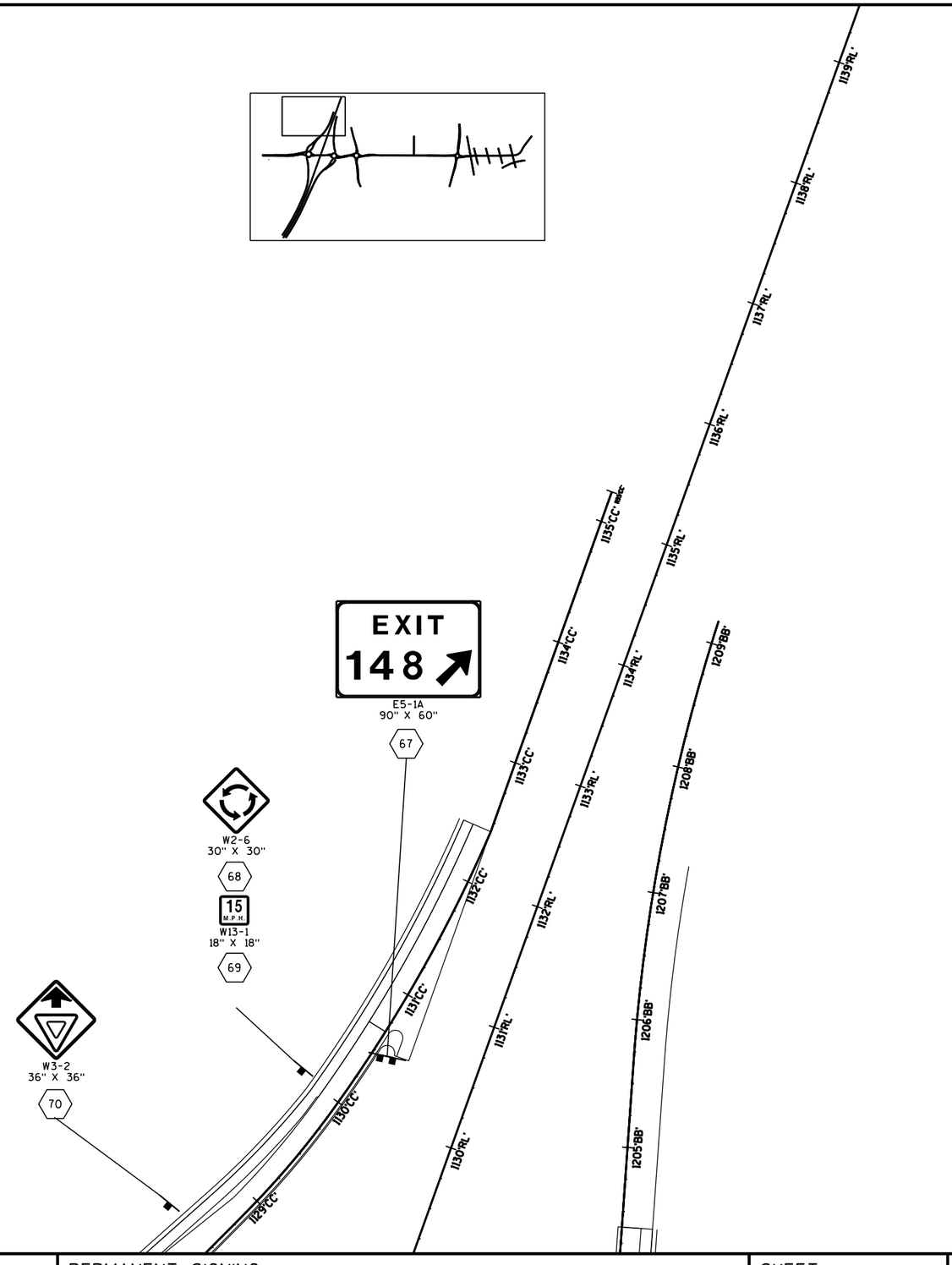
SIGN-PLACE NEW

SIGNING NOTES

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

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

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

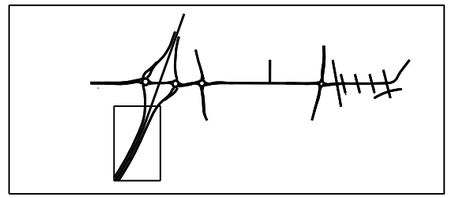


PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	PERMANENT SIGNING	SHEET 141	E

FILE NAME : N:\spo\traffic\SIGNING\Projects\4650-08-71 STH 55 Outagamie Co\023203_ps.dgn PLOT DATE : 06-JUL-2017 15:52 PLOT BY : dotets PLOT NAME : PLOT SCALE : 100:1

WISDOT/CADDS SHEET 42

2



1102'DD' 1103'DD' 1104'DD' 1105'DD' 1106'DD' 1107'DD' 1108'DD' 1109'DD' 1110'DD' 1111'DD' 1112'DD' 1113'DD' 1114'DD' 1115'DD' 1116'DD' 1117'DD' 1118'DD'

1102'RL' 1103'RL' 1104'RL' 1105'RL' 1106'RL' 1107'RL' 1108'RL' 1109'RL' 1110'RL' 1111'RL' 1112'RL' 1113'RL' 1114'RL' 1115'RL' 1116'RL' 1117'RL' 1118'RL'

1102'AA' 1103'AA' 1104'AA' 1105'AA' 1106'AA' 1107'AA' 1108'AA' 1109'AA' 1110'AA' 1111'AA' 1112'AA' 1113'AA' 1114'AA' 1115'AA' 1116'AA' 1117'AA' 1118'AA' 1119'AA'

IH-41

S-44-0144
CANTILEVER
STA. 1106+50

404A
E1-5
108" X 30"

EXIT 148
55
Kaukauna
Seymour
EXIT ONLY

404
E6-1
168" X 114"

EXIT
148

E5-1A
90" X 60"

73A

71
W2-6
30" X 30"

72
15 M.P.H.
W13-1
18" X 18"

73
W3-2
36" X 36"

LEGEND

- WOOD POSTS
- CANTILEVER
- SIGN BRIDGE
- STEEL POSTS

- SIGN-REMOVE EXISTING
- SIGN-REMOVE AND REPLACE
- SIGN-PLACE NEW

SIGNING NOTES

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

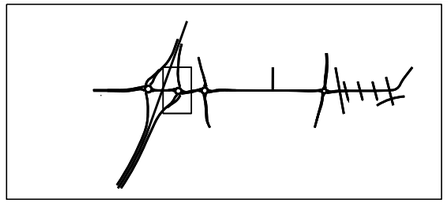
WOOD POSTS SIZES, FOR TYPE II SIGNING, ARE ESTIMATED LENGTHS AND THE ACTUAL LENGTH WILL BE DETERMINED IN THE FIELD.

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

PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	PERMANENT SIGNING	SHEET 142	E

LEGEND

- WOOD POSTS
- TUBULAR STEEL POSTS
- CANTILEVER
- SIGN BRIDGE
- STEEL POSTS



- SIGN-REMOVE EXISTING
- SIGN-REMOVE AND REPLACE
- SIGN-PLACE NEW

SIGNING NOTES

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

ALL YIELD SIGNS SHALL HAVE A MOUNTING HEIGHT OF 7' -3" TO THE BOTTOM OF THE YIELD SIGN.

2

SOUTH / NORTH (41) — D1-2, 66" X 36" — 104

SOUTH NORTH (41) (55) — D1-1, 72" X 30" — 87

RAMP CLOSED / USE / ALT ROUTE — R11-54F, 48" X 30" — 105

PEDESTRIANS BICYCLES NON MOTORIZED TRAFFIC MOTOR BICYCLES PROHIBITED — R5-57, 36" X 36" — 106

ONE WAY — R6-1R, 54" X 18" — 107

R6-4B, 60" X 24" — 108

YIELD — R1-2, 36"_X_31" — 109

YIELD — R1-2, 36"_X_31" — 110

TO TRAFFIC FROM LEFT — R1-54, 24" X 15" — 111

W12-1D, 24" X 24" — 112

YIELD — R1-2, 36"_X_31" — 113

ONE WAY — R6-2R, 24" X 30" — 114

ONLY ONLY ONLY — R3-8X, 54" X 30" — 115

RAMP CLOSED / USE / ALT ROUTE — R11-54F, 48" X 30" — 116

ONLY — R3-8JJ, 36" X 30" — 86

S-44-0203
OVERHEAD SIGN SUPPORT
STA. 257+00

S-44-0204
OVERHEAD SIGN SUPPORT
STA. 251+95, 6% SKEW

S-44-202
OVERHEAD SIGN SUPPORT
STA. 1121+25

STH 55

SOUTH (41) Milwaukee ONLY — E8-1, 108" X 90", CENTER OVER LEFT LANE — 405

NORTH (55) Seymour — E8-1, 96" X 90", CENTER OVER RIGHT LANE — 406

SOUTH (41) Milwaukee ONLY — E8-1, 108" X 90", CENTER OVER LEFT LANE — 409

NORTH (55) Seymour — E8-1, 96" X 90", CENTER OVER CENTER LANE — 410

NORTH (41) Green Bay ONLY — E8-1, 108" X 90", CENTER OVER RIGHT LANE — 411

ONLY — R3-8GG, 36" X 30" — 74

R4-7, 24" X 30" — 75

YIELD — R1-2, 36"_X_31" — 76

ONE WAY — R6-2R, 24" X 30" — 77

YIELD — R1-2, 36"_X_31" — 78

TO TRAFFIC FROM LEFT — R1-54, 24" X 15" — 79

ONE WAY — R6-1R, 54" X 18" — 80

R6-4B, 60" X 24" — 81

R3-1, 24" X 24" — 82

DO NOT ENTER — R5-1, 30" X 30" — 83

YIELD — R1-2, 36"_X_31" — 84

ONE WAY — R6-2R, 24" X 30" — 85

ONLY — R3-8DD, 36" X 30" — 88

88 89

WRONG WAY — R5-1A, 36" X 24" — 90

W12-1D, 24" X 24" — 91

WRONG WAY — R5-1A, 36" X 24" — 92

YIELD — R1-2, 36"_X_31" — 93

TO TRAFFIC FROM LEFT — R1-54, 24" X 15" — 94

YIELD — R1-2, 36"_X_31" — 95

ONE WAY — R6-2R, 24" X 30" — 96

DO NOT ENTER — R5-1, 30" X 30" — 97

YIELD — R1-2, 36"_X_31" — 98

ONE WAY — R6-1R, 54" X 18" — 99

R6-4B, 60" X 24" — 100

NORTH (41) SOUTH (55) — D1-1, 66" X 36" — 101

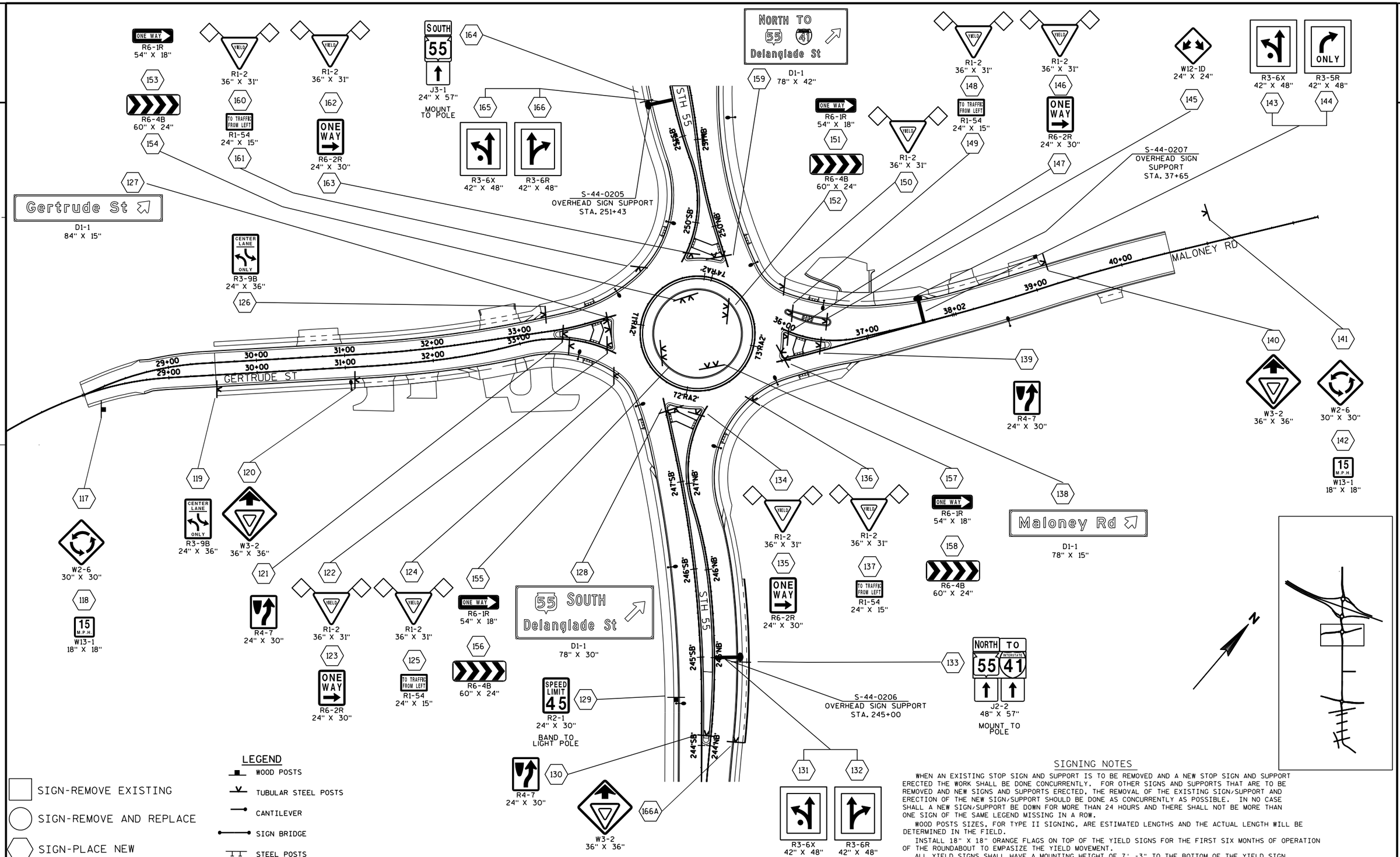
SOUTH (55) — J4-1, 24" X 36" — 102

ONLY ONLY ONLY — R3-8X, 54" X 30" — 103

NORTH (55) Seymour — E8-1, 96" X 90", CENTER OVER LEFT LANE — 407

SOUTH (55) Kaukauna ONLY — E8-1, 96" X 90", CENTER OVER RIGHT LANE — 408

PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	PERMANENT SIGNING	SHEET 143	E



SIGNING NOTES

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

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

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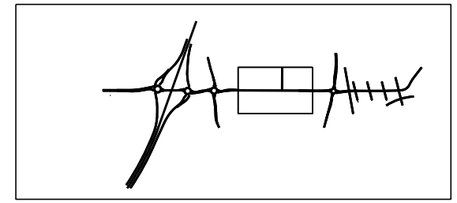
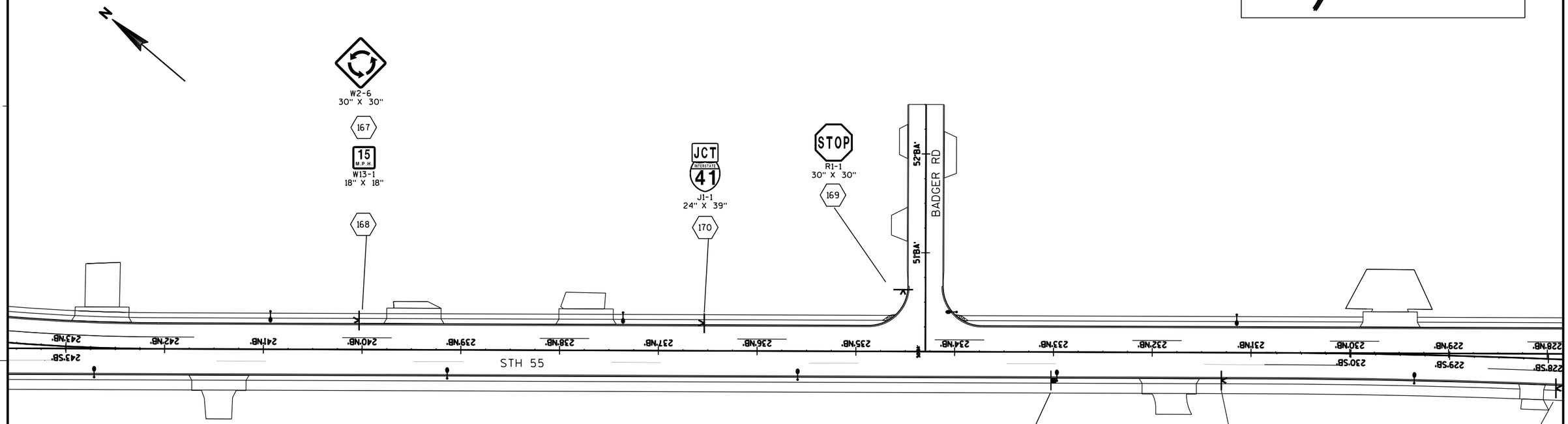
PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	PERMANENT SIGNING	SHEET 144	E

2





LEGEND

- WOOD POSTS
- TUBULAR STEEL POSTS
- CANTILEVER
- SIGN BRIDGE
- STEEL POSTS

- SIGN-REMOVE EXISTING
- SIGN-REMOVE AND REPLACE
- SIGN-PLACE NEW

SIGNING NOTES

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PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	PERMANENT SIGNING	SHEET 145	E

2

LEGEND
- WOOD POSTS
- TUBULAR STEEL POSTS
- CANTILEVER
- SIGN BRIDGE
- STEEL POSTS
- SIGN-PLACE NEW

CTH 00/HYLAND AVE
CTH 00
STH 55
S-44-0209 OVERHEAD SIGN SUPPORT STA. 16+15
S-44-208 OVERHEAD SIGN SUPPORT STA. 227+00

SIGNING NOTES

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PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	PERMANENT SIGNING	SHEET	E

FILE NAME : N:\spo\traffic\SIGNING\Projects\4650-08-71 STH 55 Outagamie Co\023208_ps.dgn PLOT DATE : 06-JUL-2017 15:53 PLOT BY : dotets PLOT NAME : PLOT SCALE : 100:1

2

N

W10-1
36" X 36"
BAND TO LIGHT POLE
235

W2-6
30" X 30"
236

W13-1
18" X 18"
MOUNT BELOW SIGN 172
237

R1-1
30" X 30"
238

J22-1
24" X 57"
242

R1-1
30" X 30"
244

R2-1
24" X 30"
247

J4-1
24" X 36"
249

J13-1
24" X 45"
BAND TO LIGHT POLE
249 A

W3-3
36" X 36"
253

R1-1F
36" X 36"
MOUNT TO SIGNAL
254

M1-5A
24" X 24"
255

R1-1F
36" X 36"
MOUNT TO SIGNAL
263

R3-8A
36" X 30"
BAND TO LIGHT POLE
264

J3-2
48" X 57"
BAND TO LIGHT POLE
266

W3-3
36" X 36"
268

R2-1
24" X 30"
267

J4-1
24" X 36"
265

J3-4
96" X 57"
262

R1-1
30" X 30"
233

J4-1
24" X 36"
234

R1-1
30" X 30"
239

J1-2
48" X 39"
BAND TO LIGHT POLE
240

D1-3
72" X 36"
241

R1-1
30" X 30"
245

J2-2
48" X 57"
246

R3-8
36" X 30"
BAND TO LIGHT POLE
248

R1-1F
36" X 36"
MOUNT TO SIGNAL
250

W10-1
36" X 36"
256

W10-1A
24" X 12"
EXEMPT
257

J3-2
48" X 57"
258

R1-1F
36" X 36"
MOUNT TO SIGNAL
258 A

W3-3
36" X 36"
259

W10-1
36" X 36"
260

W10-1A
24" X 12"
EXEMPT
261

DESNOYER ST
OWLS LN
STH 55
STH 96
CTH J
316 PL.
315 PL.
314 PL.
313 PL.
312 PL.
311 PL.
310 PL.
309 PL.
210' NB.
211' NB.
212' NB.
213' NB.
214' NB.
215' NB.
216' NB.
217' NB.
218' NB.
218' SB.
200' SB.
200' NB.
205' NB.
208' NB.
NO'V.
210' SB.

LEGEND

- WOOD POSTS
- TUBULAR STEEL POSTS
- CANTILEVER
- SIGN BRIDGE
- STEEL POSTS

- SIGN-REMOVE EXISTING
- SIGN-REMOVE AND REPLACE
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PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	PERMANENT SIGNING	SHEET 147	E

2

N

STH 55

EVERGREEN DR

ARBOR WAY

300 R5-1 REMOVE (DO NOT ENTER)

301 W6-3 REMOVE

302 R5-1A REMOVE (WRONG WAY)

303 R4-7 24" X 30"

304 R4-7 REMOVE

305 R5-1 REMOVE (DO NOT ENTER)

306 R1-1 REMOVE (STOP)

307 R5-1 REMOVE (DO NOT ENTER)

308 W3-5 REMOVE (SPEED LIMIT 45)

309 R5-1A REMOVE (WRONG WAY)

310 R3-56L REMOVE (LEFT TURN LANE)

311 R2-1 REMOVE (SPEED LIMIT 45)

312 R5-1A REMOVE (WRONG WAY)

313 R2-1 REMOVE (SPEED LIMIT 55)

314 R5-1 REMOVE (DO NOT ENTER)

315 R4-7 REMOVE

316 R1-1 REMOVE (STOP)

317 R5-1 REMOVE (DO NOT ENTER)

SIGNING NOTES

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MULTIPLE SIGNS MOUNTED ON A COMMON POST WILL BE PAID AS ONE(1) SIGN REMOVAL

SIGN-REMOVE EXISTING

PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	SIGN REMOVALS	SHEET 148	E

SIGNING NOTES

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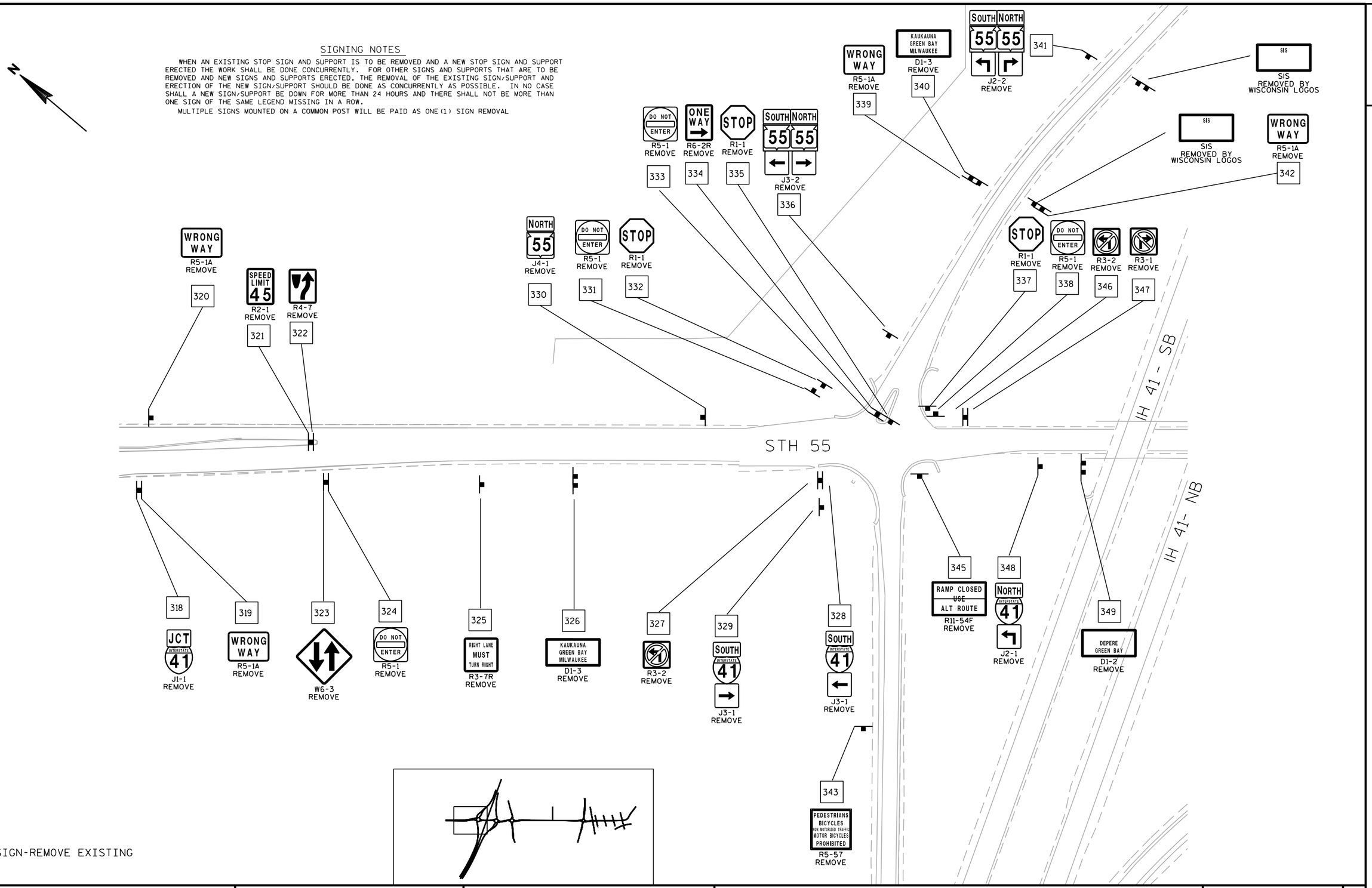
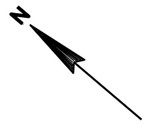


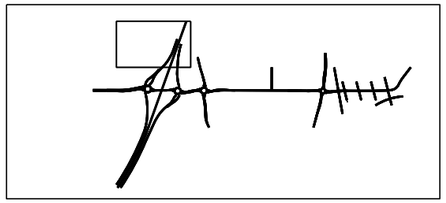
SIGN-REMOVE EXISTING

PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	SIGN REMOVALS	SHEET E

FILE NAME : N:\spo\traffic\SIGNING\Projects\4650-08-71 STH 55 Outagamie Co\Removing SIGN PLAN.dgn PLOT DATE : 06-JUL-2017 15:53 PLOT BY : dotets PLOT NAME : PLOT SCALE : 100:1

2





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MULTIPLE SIGNS MOUNTED ON A COMMON POST WILL BE PAID AS ONE(1) SIGN REMOVAL

E5-1A
REMOVE

351

W3-1
REMOVE

350

IH 41 - SB

IH 41- NB

SIGN-REMOVE EXISTING

2

PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	SIGN REMOVALS	SHEET 150 E

2

SIGNING NOTES

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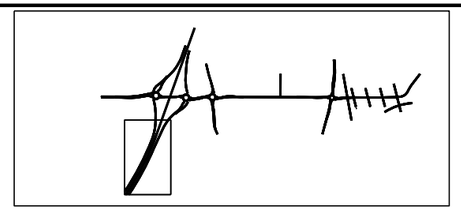

N

IH 41 - SB

IH 41- NB

354

EXIT 148

E1-5
REMOVE

55
Kaukauna
Seymour

E4-1A
REMOVE

352

EXIT
148

E5-1A
REMOVE

353

W3-1
REMOVE

SIGN-REMOVE EXISTING

PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	SIGN REMOVALS	SHEET 151	E

FILE NAME : N:\spo\traffic\SIGNING\Projects\4650-08-71 STH 55 Outagamie Co\Removing SIGN PLAN.dgn PLOT DATE : 06-JUL-2017 15:53 PLOT BY : dotets PLOT NAME : PLOT SCALE : 100:1

WISDOT/CADDS SHEET 42

2

SIGNING NOTES

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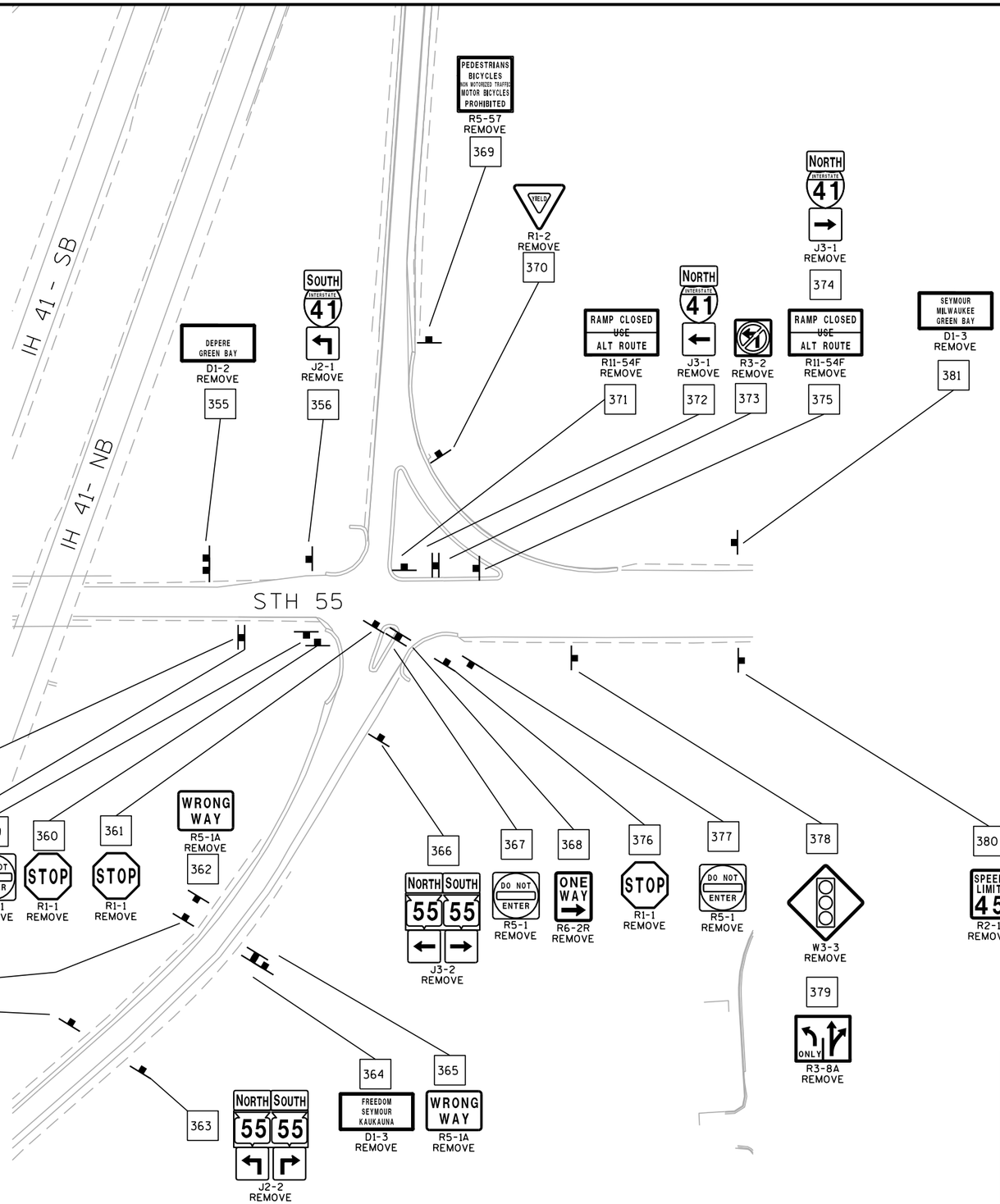

SIGN-REMOVE EXISTING

PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	SIGN REMOVALS	SHEET E

FILE NAME : N:\spo\traffic\SIGNING\Projects\4650-08-71 STH 55 Outagamie Co\Removing SIGN PLAN.dgn PLOT DATE : 06-JUL-2017 15:53 PLOT BY : dotets PLOT NAME : PLOT SCALE : 100.437651:1

2

2

MUNICIPLE GUIDE SIGN
TO BE REMOVED BY
MUNICIPALITY

383

NO PARKING ANY TIME

R7-1D
REMOVE

384

SOUTH
55

J4-1
REMOVE

GERTRUDE ST

STH 55

382

NO PARKING ANY TIME

R7-1D
REMOVE

SOUTH 41 INTERSTATE | NORTH 55 | NORTH 41 INTERSTATE

J2-3
REMOVE

385

STOP

R1-1F
REMOVE

386

W3-3
REMOVE

387

MALONEY RD

JCT
INTERSTATE
41

J1-1
REMOVE

390

388

W3-3
REMOVE

389

STOP

R1-1F
REMOVE

391

W3-3
REMOVE

392

ONLY

R3-8A
REMOVE

SIGNING NOTES

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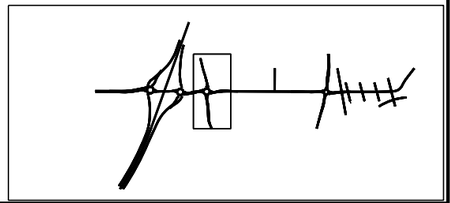
SIGN-REMOVE EXISTING



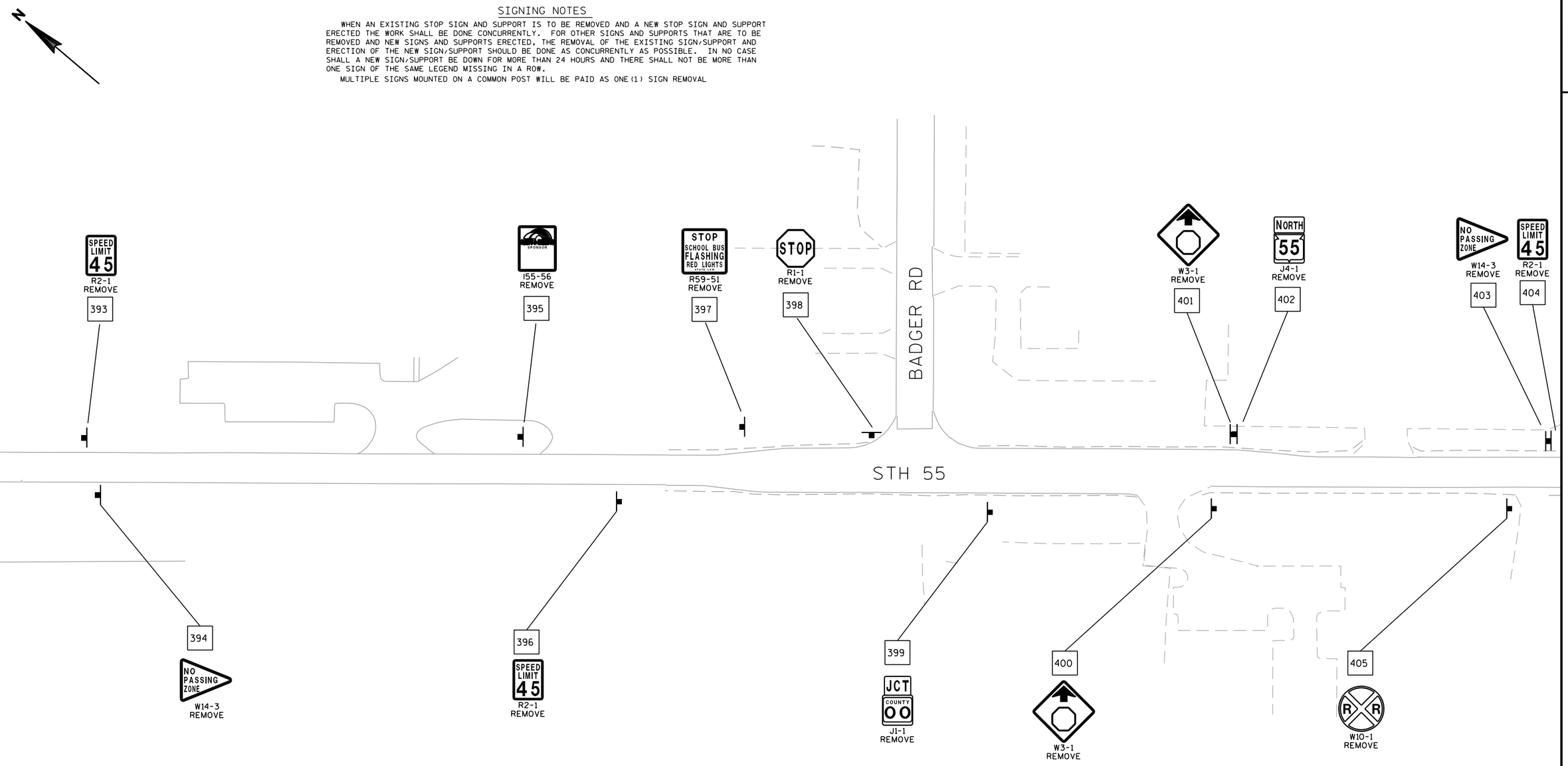
PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	SIGN REMOVALS	SHEET 153	E

2

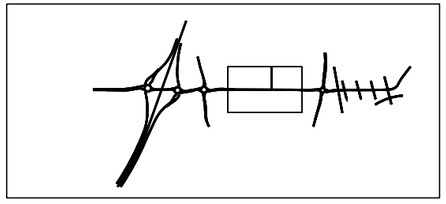
SIGNING NOTES

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

MULTIPLE SIGNS MOUNTED ON A COMMON POST WILL BE PAID AS ONE(1) SIGN REMOVAL



SIGN-REMOVE EXISTING



PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	SIGN REMOVALS	SHEET E

FILE NAME : N:\spo\traffic\SIGNING\Projects\4650-08-71 STH 55 Outagamie Co\Removing SIGN PLAN.dgn PLOT DATE : 06-JUL-2017 15:53 PLOT BY : dotets PLOT NAME : PLOT SCALE : 100.49561:1

2

N

CTH OO

STH 55

BLACKWELL ST

WEST COUNTY OO
J4-1
REMOVE
409

SPEED LIMIT 35
R2-1
REMOVE
410

ADAPT A HIGHWAY SIGN TO BE REMOVED BY MUNICIPALITY

COUNTY OO
J13-1
REMOVE
406

STOP
R1-1
REMOVE
407

STOP
R1-1
REMOVE
408

55 COUNTY OO
J13-2
REMOVE
414

STOP
R1-1
REMOVE
REMOVE FLASHER STANDARD
415

SEYMOUR FREEDOM
D1-3
REMOVE
416

411
SEYMOUR FREEDOM
D1-3
REMOVE

412
STOP
R1-1
REMOVE
REMOVE FLASHER STANDARD

413
55 COUNTY OO
J13-2
REMOVE

421
R R
W10-1
REMOVE

CITY PARKING SIGN TO BE REMOVED BY MUNICIPALITY

420
STOP
R1-1
REMOVE

419
E AST COUNTY OO
J4-1
REMOVE

418
W4-2R
REMOVE

417
SPEED LIMIT 45
R2-1
REMOVE

422
JCT COUNTY OO
J1-1
REMOVE

STOP
R1-1
REMOVE
423

SIGNING NOTES

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

MULTIPLE SIGNS MOUNTED ON A COMMON POST WILL BE PAID AS ONE (1) SIGN REMOVAL

SIGN-REMOVE EXISTING

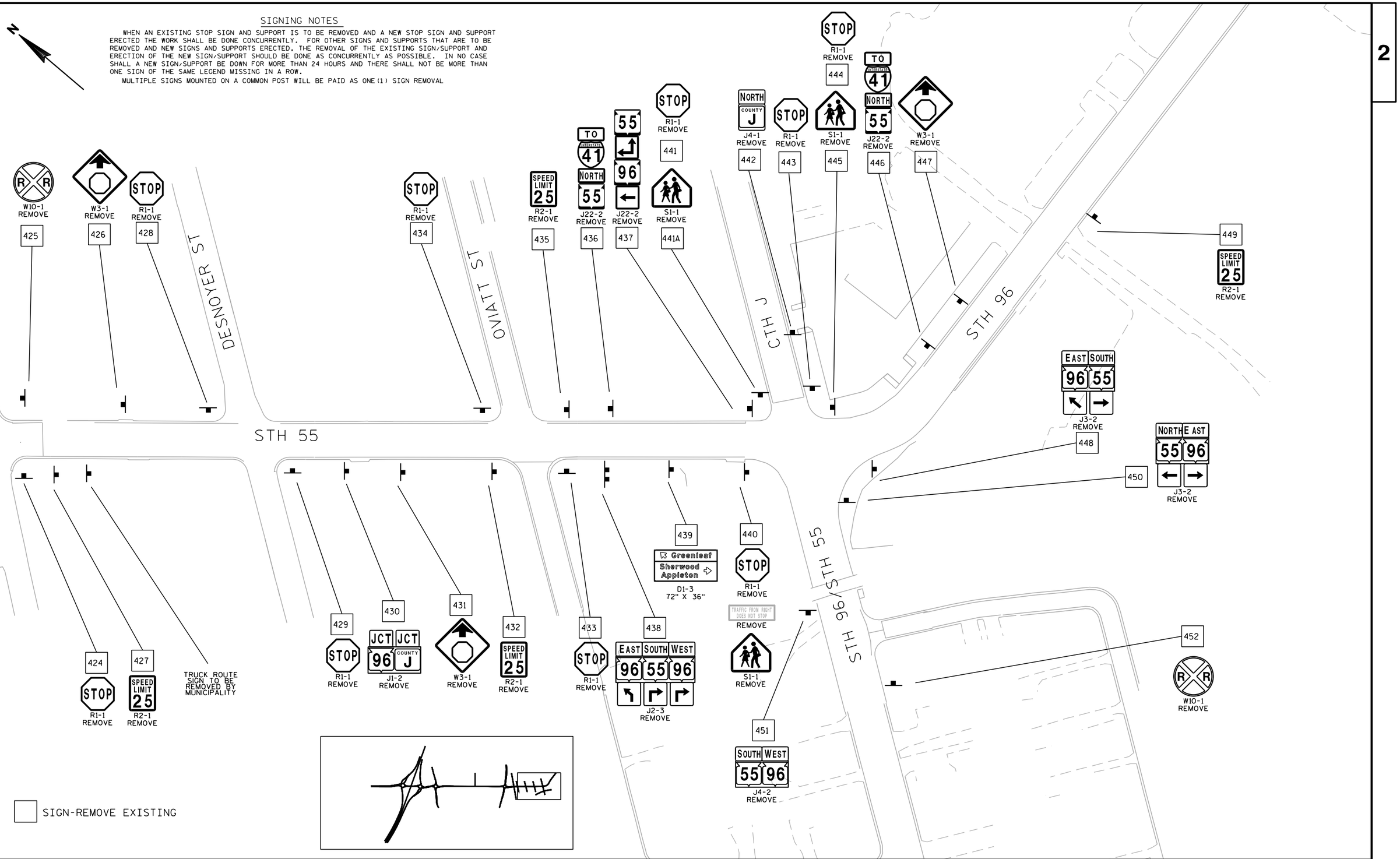
PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	SIGN REMOVALS	SHEET E

FILE NAME : N:\spo\traffic\SIGNING\Projects\4650-08-71 STH 55 Outagamie Co\Removing SIGN PLAN.dgn PLOT DATE : 06-JUL-2017 15:53 PLOT BY : dotets PLOT NAME : PLOT SCALE : 100.483391:1

SIGNING NOTES

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

MULTIPLE SIGNS MOUNTED ON A COMMON POST WILL BE PAID AS ONE(1) SIGN REMOVAL



PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	SIGN REMOVALS	SHEET E

FILE NAME : N:\spo\traffic\SIGNING\Projects\4650-08-71 STH 55 Outagamie Co\Removing SIGN PLAN.dgn PLOT DATE : 06-JUL-2017 15:53 PLOT BY : dotets PLOT NAME : PLOT SCALE : 100.482974:1
WISDOT/CADDS SHEET 42

2

2

III-LED A-12-5-B-2

III-LED A-12-5-C-1

III-LED A-12-5-B-1

III-LED A-12-5-C-2

III-LED A-12-5-A-1

III-LED A-12-5-A-3

III-LED A-12-5-A-2

PB1 PB2 PB3 PB4 PB5 PB6 PB7 PB8 PB9 PB10

LB1 LB2 LB3 LB4 LB5 LB6 LB7

CB1

EXAMPLE (see individual label on each lighting unit)

III-LED A-12-5-A-4

- LIGHT UNIT NUMBER IN CIRCUIT
- CIRCUIT ID
- BASE TYPE
- MAST ARM LENGTH (in feet)
- LAMP WATTAGE
- DISTRIBUTION TYPE

240 VOLT SYSTEM

120/240 VOLT ELECTRIC SERVICE

LEGEND

- LIGHTING CONTROL CABINET WITH METER BREAKER PEDESTAL
- 2" CONDUIT, NON-METALLIC (unless otherwise noted)
- LIGHTING UNIT
- PULL BOX 24" X 42"
- UTILITY POLE
- ELECTRIC, UNDERGROUND — E —
- ELECTRIC, OVERHEAD — OH —

CONDUCTOR COLOR SCHEME

Circuit "A" = Black
Circuit "B" = Red
Circuit "C" = Blue
Circuit "D" = Brown
Circuit "E" = Orange
Circuit "F" = Yellow

NOTES:

WISCONSIN DOT NORTHEAST REGION ELECTRICAL UNIT SHALL APPROVE FINAL LOCATIONS FOR ALL CONCRETE BASES IN THE FIELD PRIOR TO CONSTRUCTION. CONTACT THEM 3 DAYS IN ADVANCE AT (920) 492-5710.

THE LOCATION OF EXISTING AND PROPOSED UTILITIES AS SHOWN ON THE PLANS ARE APPROXIMATE. IN ADDITION, THERE MAY BE OTHER UTILITIES WITHIN THE PROJECT AREA WHICH ARE NOT SHOWN. THE CONTRACTOR SHALL VERIFY THE LOCATIONS OF ALL UTILITIES PRIOR TO CONSTRUCTION.

IH 41 SB & STH 55
CITY OF KAUKAUNA
OUTAGAMIE COUNTY

LIGHTING NO. 44-2023

DESIGNER: WISDOT NE REGION TRAFFIC UNIT

12/21/2016 SHEET NO. 1 OF 1

PROJECT NO: 4650-08-71	HWY: I 41	COUNTY: OUTAGAMIE	CONSTRUCTION DETAIL - ROUNDABOUT LIGHTING	SHEET 157 E

2

2

N

III-LED A-12-5-C-2

PB11

LB7

CB1

PB10

PB1

LB6

III-LED A-12-5-C-1

PB9

LB1

III-LED A-12-5-A-1

PB2

III-LED A-12-5-B-2

PB8

III-LED A-12-5-A-2

LB2

PB3

LB5

PB7

LB3

PB4

LB4

PB6

PB5

III-LED A-12-5-B-1

III-LED A-12-5-A-3

EXAMPLE (see individual label on each lighting unit)

III-LED A-12-5-A-4

- LIGHT UNIT NUMBER IN CIRCUIT
- CIRCUIT ID
- BASE TYPE
- MAST ARM LENGTH (in feet)
- LAMP WATTAGE
- DISTRIBUTION TYPE

240 VOLT SYSTEM

120/240 VOLT ELECTRIC SERVICE

LEGEND

LIGHTING CONTROL CABINET WITH METER BREAKER PEDESTAL	⊠
2" CONDUIT, NON-METALLIC (unless otherwise noted)	— — —
LIGHTING UNIT	●—●
PULL BOX 24" X 42"	⊗
UTILITY POLE	◎
ELECTRIC, UNDERGROUND	— E —
ELECTRIC, OVERHEAD	— OH —

CONDUCTOR COLOR SCHEME

Circuit "A" = Black
Circuit "B" = Red
Circuit "C" = Blue
Circuit "D" = Brown
Circuit "E" = Orange
Circuit "F" = Yellow

NOTES:

WISCONSIN DOT NORTHEAST REGION ELECTRICAL UNIT SHALL APPROVE FINAL LOCATIONS FOR ALL CONCRETE BASES IN THE FIELD PRIOR TO CONSTRUCTION. CONTACT THEM 3 DAYS IN ADVANCE AT (920) 492-5710.

THE LOCATION OF EXISTING AND PROPOSED UTILITIES AS SHOWN ON THE PLANS ARE APPROXIMATE. IN ADDITION, THERE MAY BE OTHER UTILITIES WITHIN THE PROJECT AREA WHICH ARE NOT SHOWN. THE CONTRACTOR SHALL VERIFY THE LOCATIONS OF ALL UTILITIES PRIOR TO CONSTRUCTION.

IH 41 NB & STH 55
CITY OF KAUKAUNA
OUTAGAMIE COUNTY

LIGHTING NO. 44-2024

DESIGNER: WISDOT NE REGION TRAFFIC UNIT

12/21/2016 SHEET NO. 1 OF 1

PROJECT NO: 4650-08-71	HWY: I 41	COUNTY: OUTAGAMIE	CONSTRUCTION DETAIL - ROUNDABOUT LIGHTING	SHEET 158	E

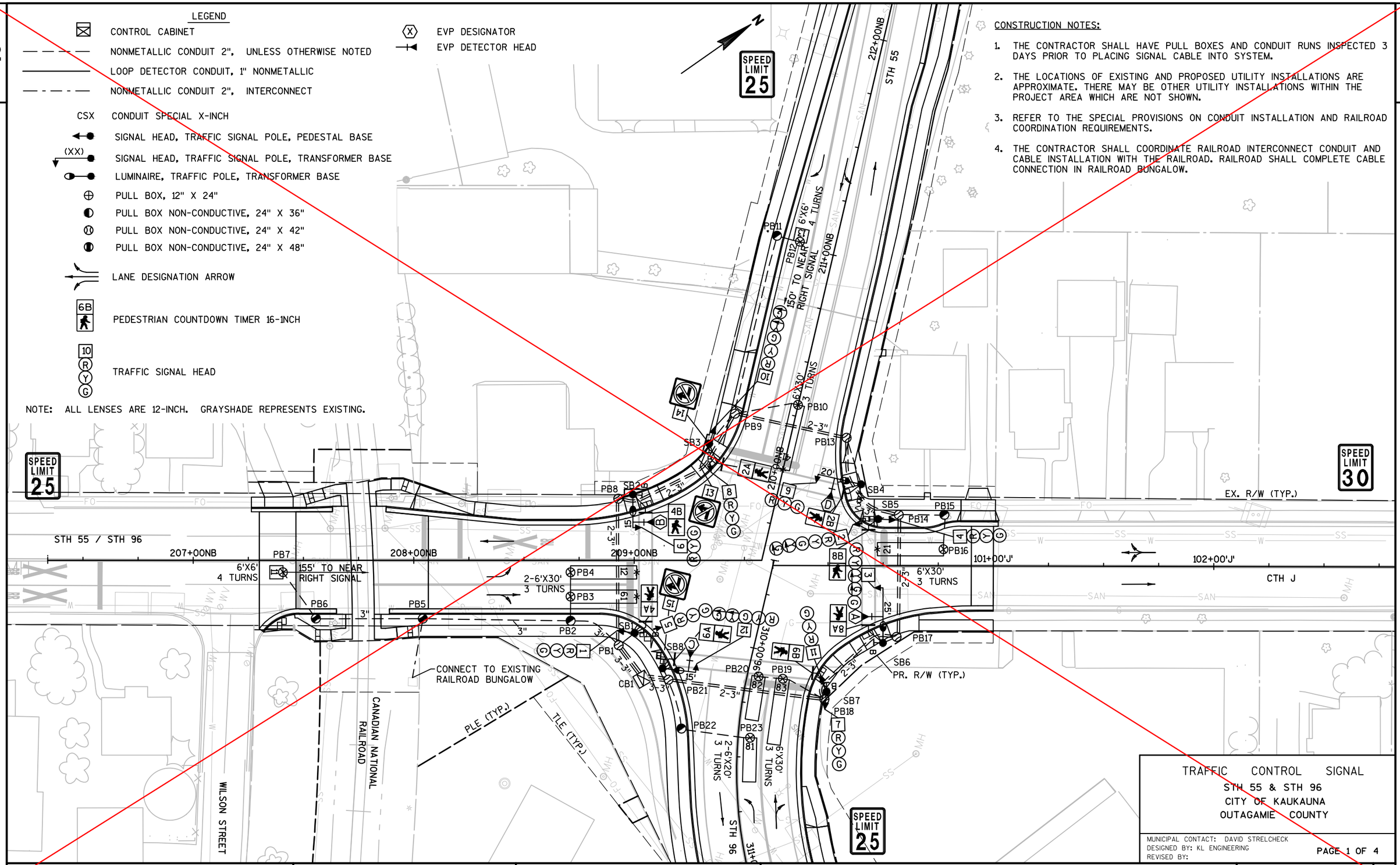
LEGEND

- CONTROL CABINET
- NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
- LOOP DETECTOR CONDUIT, 1" NONMETALLIC
- NONMETALLIC CONDUIT 2", INTERCONNECT
- CSX CONDUIT SPECIAL X-INCH
- SIGNAL HEAD, TRAFFIC SIGNAL POLE, PEDESTAL BASE
- (XX) SIGNAL HEAD, TRAFFIC SIGNAL POLE, TRANSFORMER BASE
- LUMINAIRE, TRAFFIC POLE, TRANSFORMER BASE
- PULL BOX, 12" X 24"
- PULL BOX NON-CONDUCTIVE, 24" X 36"
- PULL BOX NON-CONDUCTIVE, 24" X 42"
- PULL BOX NON-CONDUCTIVE, 24" X 48"
- LANE DESIGNATION ARROW
- 6B PEDESTRIAN COUNTDOWN TIMER 16-1NCH
- 10 R Y G TRAFFIC SIGNAL HEAD
- X EVP DESIGNATOR
- EVP DETECTOR HEAD

NOTE: ALL LENSES ARE 12-INCH. GRAYSHADE REPRESENTS EXISTING.

CONSTRUCTION NOTES:

1. THE CONTRACTOR SHALL HAVE PULL BOXES AND CONDUIT RUNS INSPECTED 3 DAYS PRIOR TO PLACING SIGNAL CABLE INTO SYSTEM.
2. THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT AREA WHICH ARE NOT SHOWN.
3. REFER TO THE SPECIAL PROVISIONS ON CONDUIT INSTALLATION AND RAILROAD COORDINATION REQUIREMENTS.
4. THE CONTRACTOR SHALL COORDINATE RAILROAD INTERCONNECT CONDUIT AND CABLE INSTALLATION WITH THE RAILROAD. RAILROAD SHALL COMPLETE CABLE CONNECTION IN RAILROAD BUNGALOW.



TRAFFIC CONTROL SIGNAL
STH 55 & STH 96
CITY OF KAUKAUNA
OUTAGAMIE COUNTY

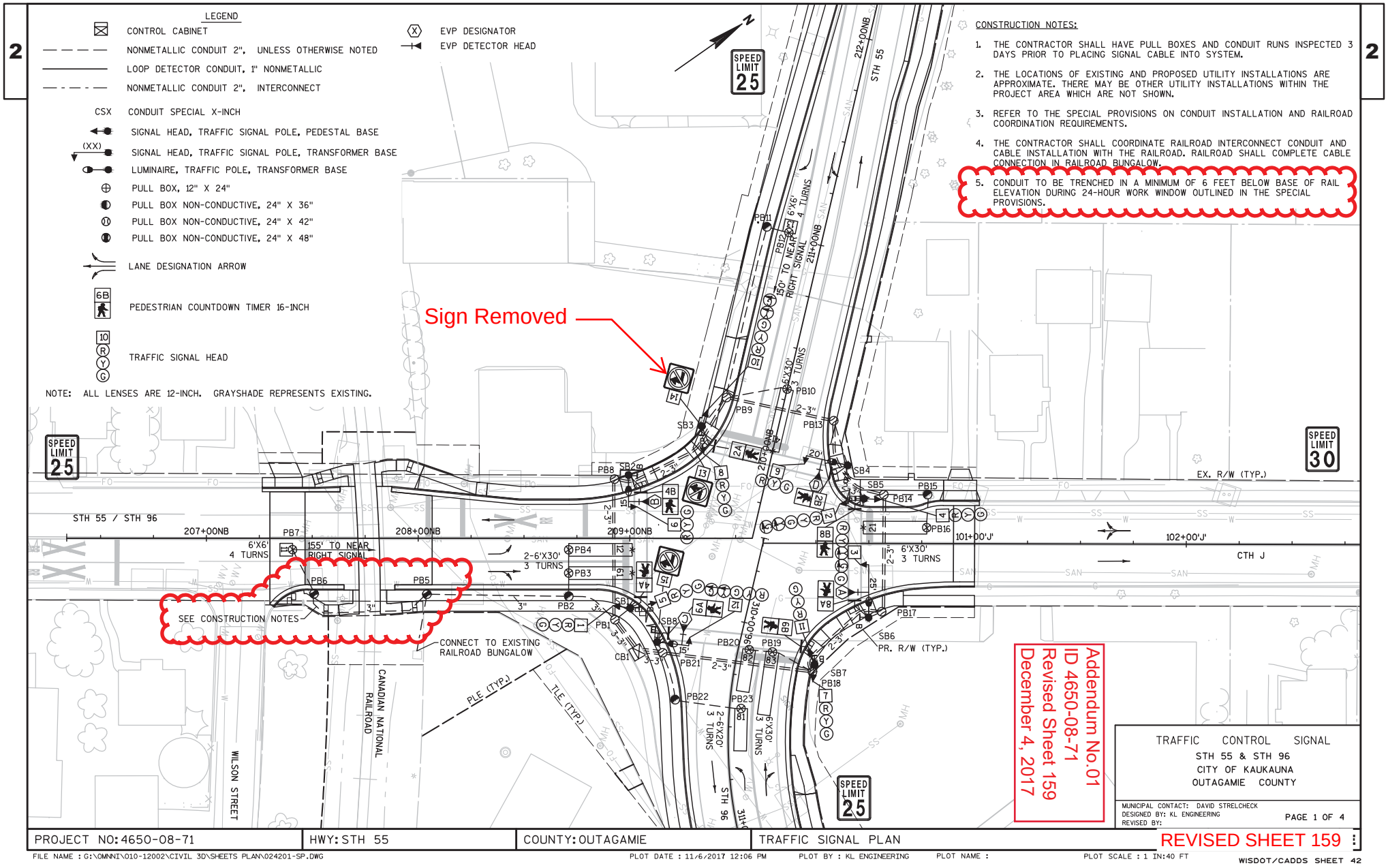
MUNICIPAL CONTACT: DAVID STRELCHECK
DESIGNED BY: KL ENGINEERING
REVISED BY:

PAGE 1 OF 4

PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	TRAFFIC SIGNAL PLAN	SHEET	E

FILE NAME : G:\OMNNI\010-12002\CIVIL 3D\SHEETS PLAN\024201-SP.DWG PLOT DATE : 7/28/2017 4:15 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

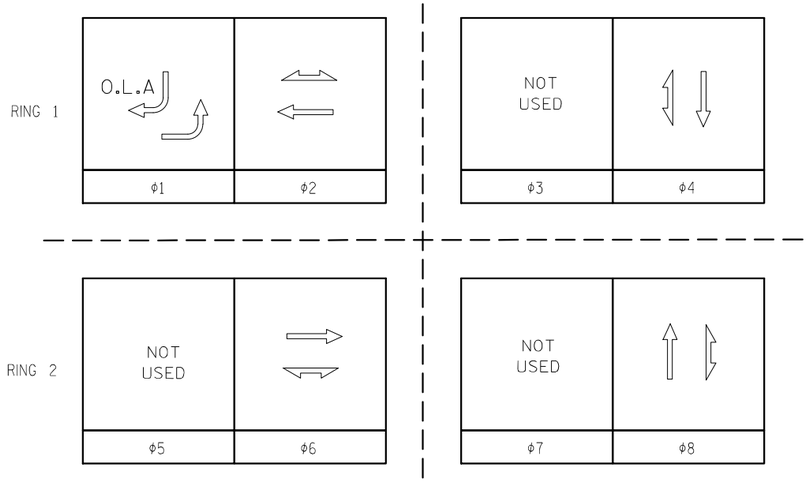
WISDOT/CADDS SHEET 42


LEGEND
CONTROL CABINET
NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
LOOP DETECTOR CONDUIT, 1" NONMETALLIC
NONMETALLIC CONDUIT 2", INTERCONNECT
CSX CONDUIT SPECIAL X-INCH
SIGNAL HEAD, TRAFFIC SIGNAL POLE, PEDESTAL BASE
(XX) SIGNAL HEAD, TRAFFIC SIGNAL POLE, TRANSFORMER BASE
LUMINAIRE, TRAFFIC POLE, TRANSFORMER BASE
PULL BOX, 12" X 24"
PULL BOX NON-CONDUCTIVE, 24" X 36"
PULL BOX NON-CONDUCTIVE, 24" X 42"
PULL BOX NON-CONDUCTIVE, 24" X 48"
LANE DESIGNATION ARROW
6B PEDESTRIAN COUNTDOWN TIMER 16-INCH
10 R Y G TRAFFIC SIGNAL HEAD
NOTE: ALL LENSES ARE 12-INCH. GRAYSHADE REPRESENTS EXISTING.
EVP DESIGNATOR
EVP DETECTOR HEAD
CONSTRUCTION NOTES:
1. THE CONTRACTOR SHALL HAVE PULL BOXES AND CONDUIT RUNS INSPECTED 3 DAYS PRIOR TO PLACING SIGNAL CABLE INTO SYSTEM.
2. THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT AREA WHICH ARE NOT SHOWN.
3. REFER TO THE SPECIAL PROVISIONS ON CONDUIT INSTALLATION AND RAILROAD COORDINATION REQUIREMENTS.
4. THE CONTRACTOR SHALL COORDINATE RAILROAD INTERCONNECT CONDUIT AND CABLE INSTALLATION WITH THE RAILROAD. RAILROAD SHALL COMPLETE CABLE CONNECTION IN RAILROAD BUNGALOW.
5. CONDUIT TO BE TRENCHED IN A MINIMUM OF 6 FEET BELOW BASE OF RAIL ELEVATION DURING 24-HOUR WORK WINDOW OUTLINED IN THE SPECIAL PROVISIONS.
Sign Removed
SEE CONSTRUCTION NOTES
CONNECT TO EXISTING RAILROAD BUNGALOW
SPEED LIMIT 25
SPEED LIMIT 30
STH 55 / STH 96
CTH J
EX. R/W (TYP.)
PR. R/W (TYP.)
CANADIAN NATIONAL RAILROAD
WILSON STREET
PLE (TYP.)
TLE (TYP.)
207+00NB
208+00NB
209+00NB
212+00NB
211+00NB
310+00+96.00
311+
101+00'J'
102+00'J'
6'X6' 4 TURNS
155' TO NEAR RIGHT SIGNAL
150' TO NEAR RIGHT SIGNAL
2-6'X30' 3 TURNS
6'X30' 3 TURNS
PB1
PB2
PB3
PB4
PB5
PB6
PB7
PB8
PB9
PB10
PB11
PB12
PB13
PB14
PB15
PB16
PB17
PB18
PB19
PB20
PB21
PB22
PB23
SB1
SB2
SB3
SB4
SB5
SB6
SB7
SB8
CB1
Addendum No.01
ID 4650-08-71
Revised Sheet 159
December 4, 2017
TRAFFIC CONTROL SIGNAL
STH 55 & STH 96
CITY OF KAUKAUNA
OUTAGAMIE COUNTY
MUNICIPAL CONTACT: DAVID STRELCHECK
DESIGNED BY: KL ENGINEERING
REVISED BY:
PAGE 1 OF 4
PROJECT NO: 4650-08-71
HWY: STH 55
COUNTY: OUTAGAMIE
TRAFFIC SIGNAL PLAN
REVISED SHEET 159
FILE NAME : G:\OMNNI\010-12002\CIVIL 3D\SHEETS PLAN\024201-SP.DWG
PLOT DATE : 11/6/2017 12:06 PM
PLOT BY : KL ENGINEERING
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

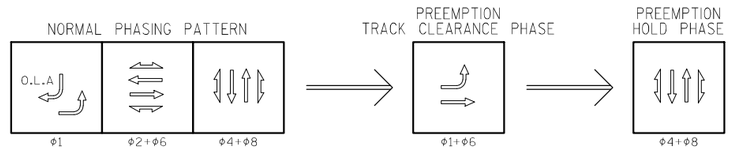
	HEAD NUMBERS	FLASH
ϕ1	2,3	-
ϕ2	4,5,6	R
ϕ3		
ϕ4	10,11,12	R
ϕ5		
ϕ6	1,2,3	R
ϕ7		
ϕ8	7,8,9	R
ϕ2 PED	2A,2B	
ϕ4 PED	4A,4B	
ϕ6 PED	6A,6B	
ϕ8 PED	8A,8B	

O.L.	ASSIGNMENTS	FLASH	O.L. ASSIGNMENTS
OLA	10,12	-	ϕ1
OLB			
OLC			
OLD			
OLE			
OLF			
OLG			
OLH			

N*



RAILROAD PREEMPTION PHASING
SEE NOTES BELOW



RAILROAD PREEMPT NOTES:

1. IN THE EVENT OF A RAILROAD PREEMPTION CALL, TERMINATE ACTIVE PHASES. FOLLOWING TERMINATION OF THE ACTIVE PHASES, THE PHASES 1 AND 6 SHALL RECEIVE A GREEN INDICATION TO CLEAR THE WEST APPROACH. FOLLOWING THE WEST APPROACH CLEARANCE PHASING, THE CONTROLLER SHALL HOLD PHASES 4 AND 8. AT THE END OF PREEMPTION, THE CONTROLLER SHALL RETURN TO PHASE 1 GREEN.
2. IN THE EVENT THAT PHASES 2 AND 6 ARE ACTIVE AT THE TIME OF THE PRE-EMPTION CALL, PHASES 2 AND 6 SHALL BE TERMINATED BEFORE ACTIVATION OF THE PHASE 1 AND 6 TRACK CLEARANCE PHASE TO PREVENT YELLOW TRAP.
3. IN THE EVENT OF A RAILROAD PRE-EMPTION CALL, BEGINNING WITH THE TRACK CLEARANCE PHASE UNTIL THE END OF THE PREEMPTION HOLD PHASE, THE "NO RIGHT TURN" AND "NO LEFT TURN" BLANK OUT SIGNS SHALL BE ILLUMINATED.

CONTROLLER LOGIC

PHASE NUMBER	PHASE LOCKING	DUAL ENTRY W / ϕ	PHASE RECALL	PHASE ACTIVE
1	X		MIN	X
2				X
3				
4				X
5				
6				X
7				
8				X

TYPE OF LIGHTING	
BY OTHER AGENCY	
IN TRAFFIC SIGNAL CABINET	X
IN SEPARATE DOT LIGHTING CABINET	

PREEMPTION ASSIGNMENTS

PREEMPTION DESIGNATION	PREEMPTION TYPE	EVP CHANNEL	PHASE(S) CALLED
1	RAILROAD	-	SEE CHART
2	RESERVED		
3	EVP	A	1+6
4	EVP	B	2+6
5	EVP	C	4+8
6	EVP	D	4+8
7	NOT USED		
8	NOT USED		
9	NOT USED		
10	NOT USED		

TYPE OF INTERCONNECT	
NONE	X
TBC	
CLOSED LOOP TWISTED PAIR	
CLOSED LOOP FIBER OPTIC	
RADIO	

TYPE OF REMOTE COMMUNICATION	
NONE	X
FIBER	
CELL MODEM	
PHONE	

DETECTOR LOGIC

DETECTOR INPUT	3	1	7	5	11	9	15	13
DETECTOR #(S)	11	12	13	21	41	61	81	83
PHASE CALLED	1	1	1	2	4	6	8	8
PHASE EXTENDED	1	1,2	1	2	4	6	8	8
DISCONNECT TIME								
CALLING DELAY								
EXTENSION STRETCH								
LOOP FUNCTION								

19	17	23	21	27	25	31	29	DETECTOR INPUT
								DETECTOR #(S)
								PHASE CALLED
								PHASE EXTENDED
								DISCONNECT TIME
								CALLING DELAY
								EXTENSION STRETCH
								LOOP FUNCTION

DETECTOR INPUT	4	2	8	6	12	10	16	14
DETECTOR #(S)							82	
PHASE CALLED							8	
PHASE EXTENDED							8	
DISCONNECT TIME								
CALLING DELAY								
EXTENSION STRETCH								
LOOP FUNCTION								

20	18	24	22	28	26	32	30	DETECTOR INPUT
								DETECTOR #(S)
								PHASE CALLED
								PHASE EXTENDED
								DISCONNECT PHASE
								CALLING DELAY
								EXTENSION STRETCH
								LOOP FUNCTION

TYPE OF PRE-EMPT	
NONE	
RAILROAD	X
EMERGENCY VEHICLE	X
GTT	
TOMAR	X
HARDWIRE	
OTHER	
LIFT BRIDGE	
QUEUE DETECTOR	

* STH 96 CONSIDERED NORTH APPROACH FOR PLAN CLARITY

TRAFFIC CONTROL SIGNAL
STH 55 & STH 96
CITY OF KAUKAUNA OUTAGAMIE COUNTY

MUNICIPAL CONTACT: DAVID STRELCHECK
DESIGNED BY: KL ENGINEERING
REVISED BY:
PAGE 2 OF 4

PROJECT NO: 4650-08-71 | HWY: STH 55 | COUNTY: OUTAGAMIE | SEQUENCE OF OPERATIONS | SHEET 160 | E

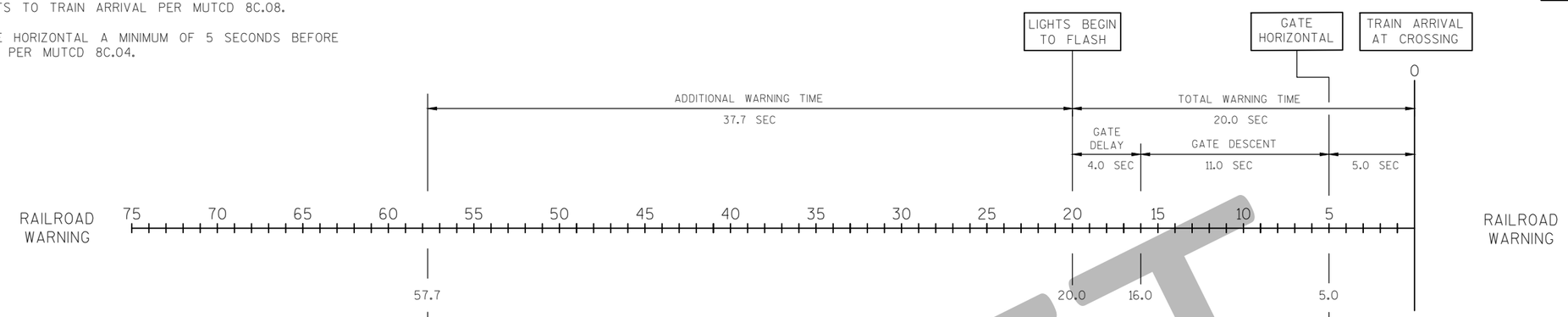
FILE NAME : G:\OMNNI\010-12002\CIVIL 3D\SHEETS PLAN\024001_SEQ.DWG PLOT DATE : 3/10/2017 11:37 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : *********

WISDOT/CADDS SHEET 42

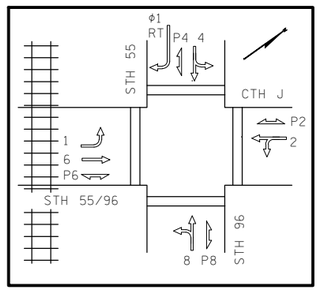
NOTES:
1. MINIMUM TIME - 20 SECONDS REQUIRED BETWEEN BEGINNING OF FLASHING LIGHTS TO TRAIN ARRIVAL PER MUTCD 8C.08.

2. GATE MUST BE HORIZONTAL A MINIMUM OF 5 SECONDS BEFORE TRAIN ARRIVAL PER MUTCD 8C.04.

CLEARANCE TIME (CT) = X



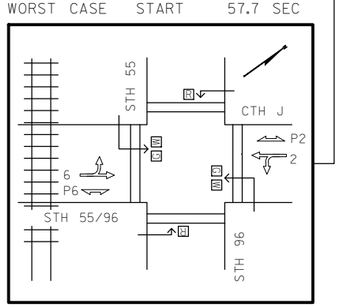
INTERSECTION PHASING



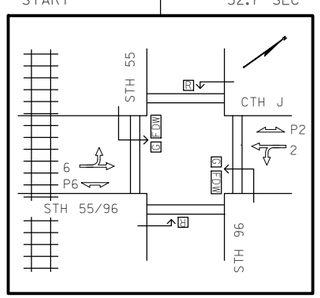
SIGNAL INDICATIONS

- G — GREEN BALL
- G — GREEN ARROW
- Y+AR — CLEARANCE INTERVALS
- R — RED BALL
- W — WALK
- FDW — FLASHING DON'T WALK
- DW — STEADY DON'T WALK
- BLANK-OUT SIGN

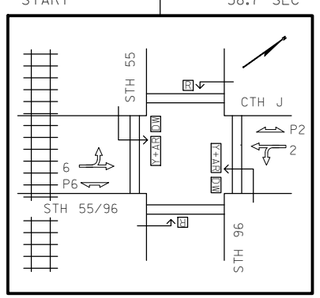
WORST CASE START 57.7 SEC



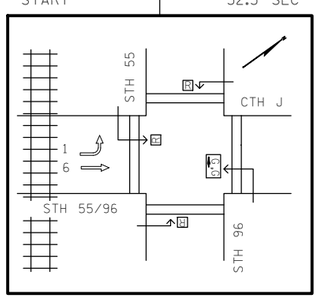
START 52.7 SEC



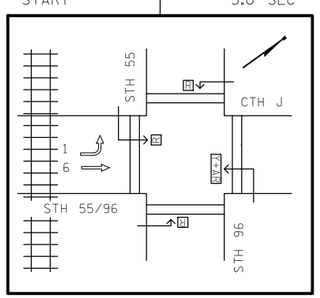
START 38.7 SEC



START 32.3 SEC



START 5.0 SEC



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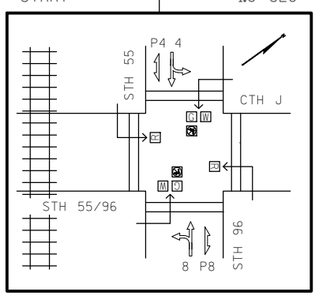


TRAFFIC CONTROL SIGNAL
STH 55 & STH 96
CITY OF KAUKAUNA OUTAGAMIE COUNTY

MUNICIPAL CONTACT: DAVID STRELCHECK
DESIGNED BY: KL ENGINEERING
REVISED BY:

PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	RAILROAD PREEMPTION TIMELINE	SHEET 161 E

DRAFT

FILE NAME : G:\OMNNI\010-12002\CIVIL 3D\SHEETS PLAN\024001_SEQ.DWG PLOT DATE : 3/2/2017 2:21 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : ========== WISDOT/CADDS SHEET 42

PROJECT ID:	4650-08-71
INTERSECTION:	STH 55 & STH 96

SIGNAL WIRE COLOR CODING	BLK-BLACK	RED - RED	GRN - GREEN
	WHT - WHITE	BLU - BLUE	ORG - ORANGE

CB1 TO	NO. OF CONDUCTORS	HEAD NO.	PHASE	SIGNAL INDICATION WIRE COLOR RED	YELLOW	GREEN	<RED>	<YELLOW>	<GREEN>	<FLASHING YELLOW>	D/WALK	WALK	PED BUTTON	OTHER
SB1	12	1	6	RED	ORG	GRN								
		5	2	RED/BLK	ORG/BLK	GRN/BLK								
		4A	4								BLK	BLU		
		BUTTON	4										WHT/BLK	
SB2	7	6	2	RED	ORG	GRN								
		4B	4								BLK	BLU		
		BUTTON	4										WHT/BLK	
SB3	15	2A	2								BLK	BLU		
		8	8	RED	ORG	GRN								
		10	O.L.A,4	RED/BLK	ORG/BLK	GRN/BLK		RED/WHT	GRN/WHT					
		13	PREEMPT											BLK/WHT
		14	PREEMPT											BLK/WHT
		BUTTON	2										WHT/BLK	
SB4	7	2B	2								BLK	BLU		
		9	8	RED	ORG	GRN								
		BUTTON	2										WHT/BLK	
SB5	12	2	1,6	RED	ORG	GRN		BLK/WHT	BLU/BLK					
		4	2	RED/BLK	ORG/BLK	GRN/BLK								
		8B	8								BLK	BLU		
		BUTTON	8										WHT/BLK	
SB6	12	3	1,6	RED	ORG	GRN		BLK/WHT	BLU/BLK					
		8A	8								BLK	BLU		
		BUTTON	8										WHT/BLK	
SB7	12	6B	6								BLK	BLU		
		7	8	RED	ORG	GRN								
		11	4	RED/BLK	ORG/BLK	GRN/BLK								
		BUTTON	6										WHT/BLK	
SB8	12	6A	6								BLK	BLU		
		12	O.L.A,4	RED	ORG	GRN		ORG/BLK	GRN/BLK					
		15	PREEMPT											BLK/WHT
		BUTTON	6										WHT/BLK	

EMERGENCY VEHICLE PREEMPTION CABLE	
FROM	TO
CB1	SB2 (HEAD "B")
CB1	SB4 (HEAD "D")
CB1	SB6 (HEAD "A")
CB1	SB8 (HEAD "C")

EQUIPMENT GROUNDING CONDUCTOR 10 AWG	
FROM	TO
CB1	SB1
SB1	SB2
SB2	SB3
SB3	SB4
SB4	SB5
SB5	SB6
SB6	SB7
SB7	SB8
SB8	CB1

LIGHTING UF 2-12 AWG W/GROUND	
FROM	TO
CB1	SB2
SB2	SB4
CB1	SB8
SB8	SB6

TRAFFIC CONTROL SIGNAL
STH 55 & CTH 96
CITY OF KAUKAUNA
OUTAGAMIE COUNTY

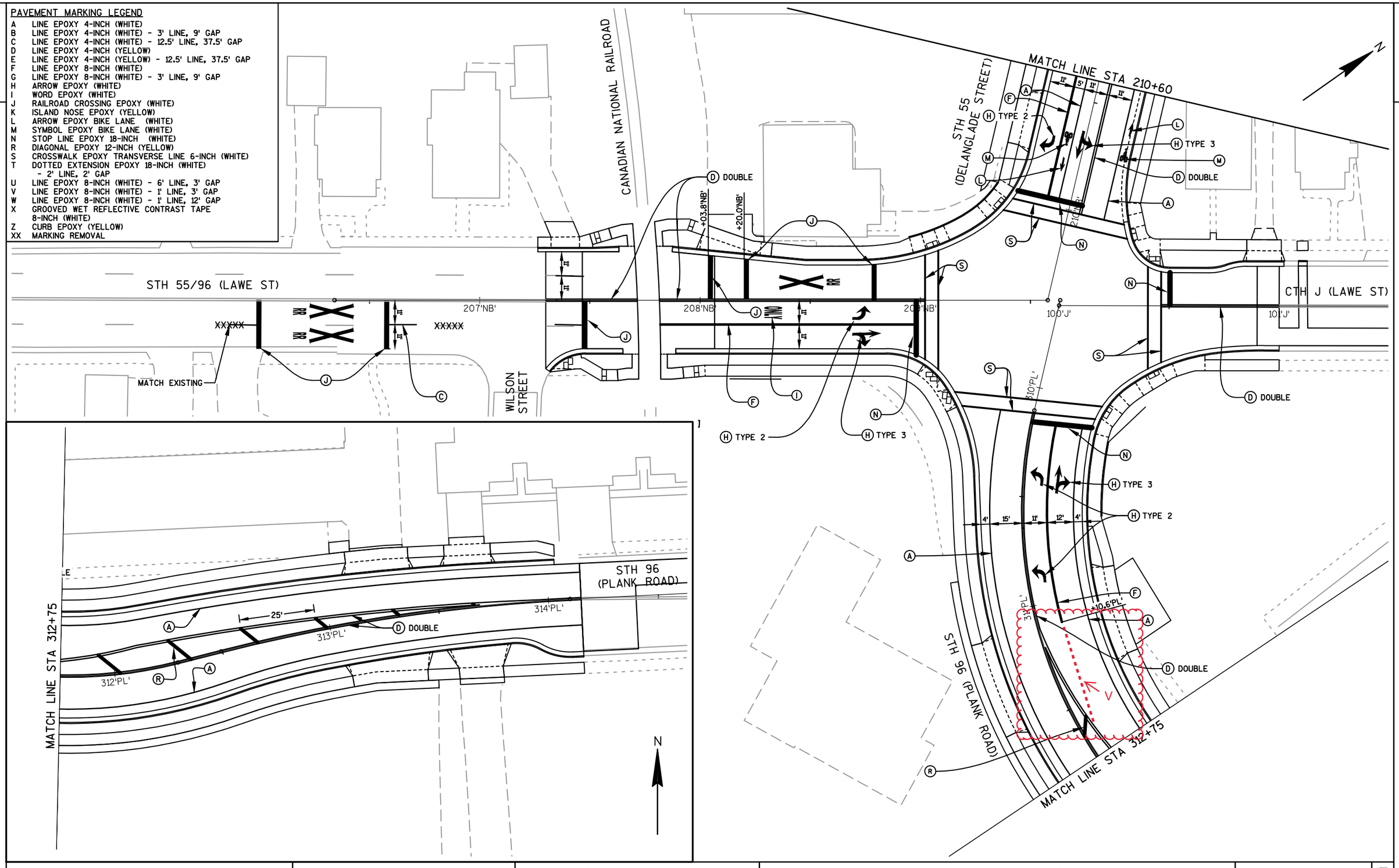
MUNICIPAL CONTACT: DAVID STRELCHECK
DESIGNED BY:
REVISED BY: KL ENGINEERING

FILE NAME: G:\Gremmer\13021 - CTH VV\Civil3D\Plan Sheets\024401-CR.ppt

2

PAVEMENT MARKING LEGEND

A	LINE EPOXY 4-INCH (WHITE)
B	LINE EPOXY 4-INCH (WHITE) - 3' LINE, 9' GAP
C	LINE EPOXY 4-INCH (WHITE) - 12.5' LINE, 37.5' GAP
D	LINE EPOXY 4-INCH (YELLOW)
E	LINE EPOXY 4-INCH (YELLOW) - 12.5' LINE, 37.5' GAP
F	LINE EPOXY 8-INCH (WHITE)
G	LINE EPOXY 8-INCH (WHITE) - 3' LINE, 9' GAP
H	ARROW EPOXY (WHITE)
I	WORD EPOXY (WHITE)
J	RAILROAD CROSSING EPOXY (WHITE)
K	ISLAND NOSE EPOXY (YELLOW)
L	ARROW EPOXY BIKE LANE (WHITE)
M	SYMBOL EPOXY BIKE LANE (WHITE)
N	STOP LINE EPOXY 18-INCH (WHITE)
R	DIAGONAL EPOXY 12-INCH (YELLOW)
S	CROSSWALK EPOXY TRANSVERSE LINE 6-INCH (WHITE)
T	DOTTED EXTENSION EPOXY 18-INCH (WHITE) - 2' LINE, 2' GAP
U	LINE EPOXY 8-INCH (WHITE) - 6' LINE, 3' GAP
V	LINE EPOXY 8-INCH (WHITE) - 1' LINE, 3' GAP
W	LINE EPOXY 8-INCH (WHITE) - 1' LINE, 12' GAP
X	GROOVED WET REFLECTIVE CONTRAST TAPE 8-INCH (WHITE)
Z	CURB EPOXY (YELLOW)
XX	MARKING REMOVAL



PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	PAVEMENT MARKING - STH 55 NORTHBOUND	SHEET 163	E

2

PAVEMENT MARKING LEGEND

A	LINE EPOXY 4-INCH (WHITE)
B	LINE EPOXY 4-INCH (WHITE) - 3' LINE, 9' GAP
C	LINE EPOXY 4-INCH (WHITE) - 12.5' LINE, 37.5' GAP
D	LINE EPOXY 4-INCH (YELLOW)
E	LINE EPOXY 4-INCH (YELLOW) - 12.5' LINE, 37.5' GAP
F	LINE EPOXY 8-INCH (WHITE)
G	LINE EPOXY 8-INCH (WHITE) - 3' LINE, 9' GAP
H	ARROW EPOXY (WHITE)
I	WORD EPOXY (WHITE)
J	RAILROAD CROSSING EPOXY (WHITE)
K	ISLAND NOSE EPOXY (YELLOW)
L	ARROW EPOXY BIKE LANE (WHITE)
M	SYMBOL EPOXY BIKE LANE (WHITE)
N	STOP LINE EPOXY 18-INCH (WHITE)
R	DIAGONAL EPOXY 12-INCH (YELLOW)
S	CROSSWALK EPOXY TRANSVERSE LINE 6-INCH (WHITE)
T	DOTTED EXTENSION EPOXY 18-INCH (WHITE) - 2' LINE, 2' GAP
U	LINE EPOXY 8-INCH (WHITE) - 6' LINE, 3' GAP
V	LINE EPOXY 8-INCH (WHITE) - 1' LINE, 3' GAP
W	LINE EPOXY 8-INCH (WHITE) - 1' LINE, 12' GAP
X	GROOVED WET REFLECTIVE CONTRAST TAPE 8-INCH (WHITE)
Z	CURB EPOXY (YELLOW)
XX	MARKING REMOVAL

PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	PAVEMENT MARKING - STH 55 NORTHBOUND	SHEET 164 E

FILE NAME : F:\TR\JOBS\E1859A08\CIVIL 3D 2012\SHEETSPLAN\46500871_024500_PM.DWG
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PLOT DATE : 5/25/2017 8:54 AM
PLOT BY : OMNNI ASSOCIATES, INC - CRAIG KNUTH

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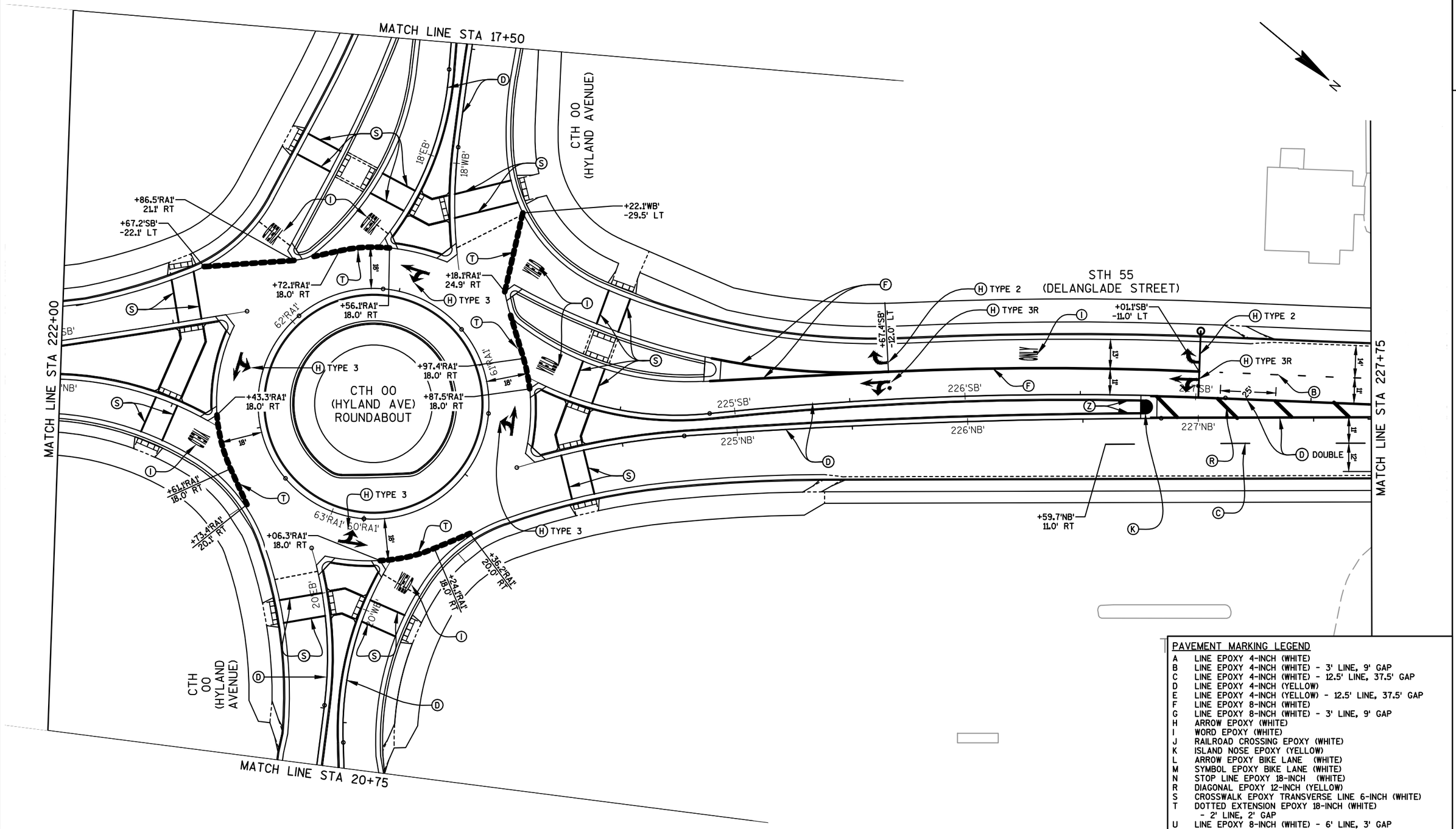
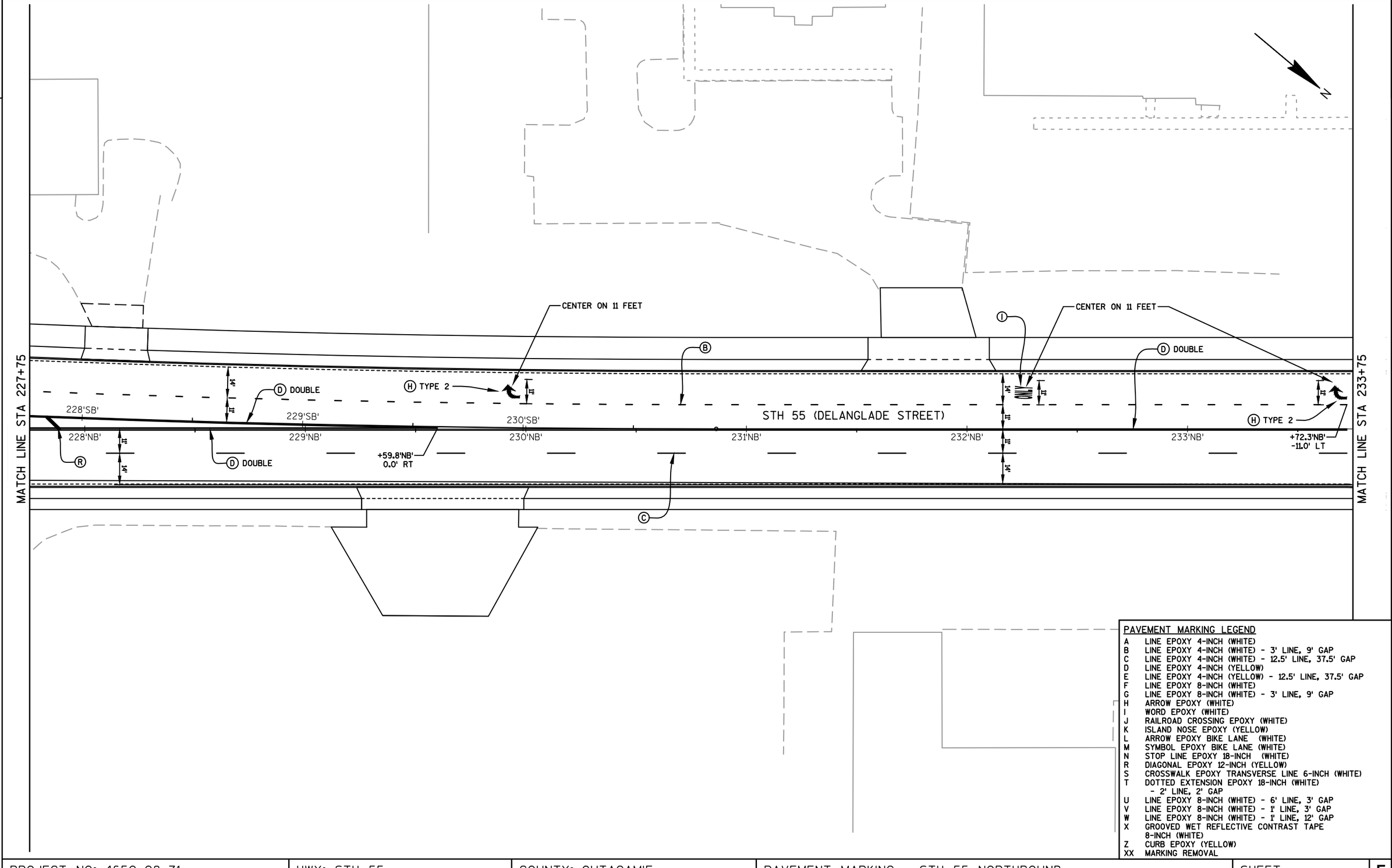


PAVEMENT MARKING LEGEND

A	LINE EPOXY 4-INCH (WHITE)
B	LINE EPOXY 4-INCH (WHITE) - 3' LINE, 9' GAP
C	LINE EPOXY 4-INCH (WHITE) - 12.5' LINE, 37.5' GAP
D	LINE EPOXY 4-INCH (YELLOW)
E	LINE EPOXY 4-INCH (YELLOW) - 12.5' LINE, 37.5' GAP
F	LINE EPOXY 8-INCH (WHITE)
G	LINE EPOXY 8-INCH (WHITE) - 3' LINE, 9' GAP
H	ARROW EPOXY (WHITE)
I	WORD EPOXY (WHITE)
J	RAILROAD CROSSING EPOXY (WHITE)
K	ISLAND NOSE EPOXY (YELLOW)
L	ARROW EPOXY BIKE LANE (WHITE)
M	SYMBOL EPOXY BIKE LANE (WHITE)
N	STOP LINE EPOXY 18-INCH (WHITE)
R	DIAGONAL EPOXY 12-INCH (YELLOW)
S	CROSSWALK EPOXY TRANSVERSE LINE 6-INCH (WHITE)
T	DOTTED EXTENSION EPOXY 18-INCH (WHITE) - 2' LINE, 2' GAP
U	LINE EPOXY 8-INCH (WHITE) - 6' LINE, 3' GAP
V	LINE EPOXY 8-INCH (WHITE) - 1' LINE, 3' GAP
W	LINE EPOXY 8-INCH (WHITE) - 1' LINE, 12' GAP
X	GROOVED WET REFLECTIVE CONTRAST TAPE 8-INCH (WHITE)
Z	CURB EPOXY (YELLOW)
XX	MARKING REMOVAL

PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	PAVEMENT MARKING - STH 55 NORTHBOUND	SHEET 165	E

2



PAVEMENT MARKING LEGEND

A	LINE EPOXY 4-INCH (WHITE)
B	LINE EPOXY 4-INCH (WHITE) - 3' LINE, 9' GAP
C	LINE EPOXY 4-INCH (WHITE) - 12.5' LINE, 37.5' GAP
D	LINE EPOXY 4-INCH (YELLOW)
E	LINE EPOXY 4-INCH (YELLOW) - 12.5' LINE, 37.5' GAP
F	LINE EPOXY 8-INCH (WHITE)
G	LINE EPOXY 8-INCH (WHITE) - 3' LINE, 9' GAP
H	ARROW EPOXY (WHITE)
I	WORD EPOXY (WHITE)
J	RAILROAD CROSSING EPOXY (WHITE)
K	ISLAND NOSE EPOXY (YELLOW)
L	ARROW EPOXY BIKE LANE (WHITE)
M	SYMBOL EPOXY BIKE LANE (WHITE)
N	STOP LINE EPOXY 18-INCH (WHITE)
R	DIAGONAL EPOXY 12-INCH (YELLOW)
S	CROSSWALK EPOXY TRANSVERSE LINE 6-INCH (WHITE)
T	DOTTED EXTENSION EPOXY 18-INCH (WHITE) - 2' LINE, 2' GAP
U	LINE EPOXY 8-INCH (WHITE) - 6' LINE, 3' GAP
V	LINE EPOXY 8-INCH (WHITE) - 1' LINE, 3' GAP
W	LINE EPOXY 8-INCH (WHITE) - 1' LINE, 12' GAP
X	GROOVED WET REFLECTIVE CONTRAST TAPE 8-INCH (WHITE)
Z	CURB EPOXY (YELLOW)
XX	MARKING REMOVAL

PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	PAVEMENT MARKING - STH 55 NORTHBOUND	SHEET 166	E

2

MATCH LINE STA 233+75

MATCH LINE STA 239+75

STH 55 (DELANGLADE STREET)

234'NB' 235'NB' 236'NB' 237'NB' 238'NB' 239'NB'

50'BA'

51'BA'

52'BA'

BADGER ROAD

14'

11'

11'

14'

D DOUBLE

C

N

PAVEMENT MARKING LEGEND

A	LINE EPOXY 4-INCH (WHITE)
B	LINE EPOXY 4-INCH (WHITE) - 3' LINE, 9' GAP
C	LINE EPOXY 4-INCH (WHITE) - 12.5' LINE, 37.5' GAP
D	LINE EPOXY 4-INCH (YELLOW)
E	LINE EPOXY 4-INCH (YELLOW) - 12.5' LINE, 37.5' GAP
F	LINE EPOXY 8-INCH (WHITE)
G	LINE EPOXY 8-INCH (WHITE) - 3' LINE, 9' GAP
H	ARROW EPOXY (WHITE)
I	WORD EPOXY (WHITE)
J	RAILROAD CROSSING EPOXY (WHITE)
K	ISLAND NOSE EPOXY (YELLOW)
L	ARROW EPOXY BIKE LANE (WHITE)
M	SYMBOL EPOXY BIKE LANE (WHITE)
N	STOP LINE EPOXY 18-INCH (WHITE)
R	DIAGONAL EPOXY 12-INCH (YELLOW)
S	CROSSWALK EPOXY TRANSVERSE LINE 6-INCH (WHITE)
T	DOTTED EXTENSION EPOXY 18-INCH (WHITE) - 2' LINE, 2' GAP
U	LINE EPOXY 8-INCH (WHITE) - 6' LINE, 3' GAP
V	LINE EPOXY 8-INCH (WHITE) - 1' LINE, 3' GAP
W	LINE EPOXY 8-INCH (WHITE) - 1' LINE, 12' GAP
X	GROOVED WET REFLECTIVE CONTRAST TAPE 8-INCH (WHITE)
Z	CURB EPOXY (YELLOW)
XX	MARKING REMOVAL

MATCH LINE STA 239+75

STH 55 (DELANGLADE STREET)

240'NB' 241'NB' 242'NB' 243'SB' 243'NB' 244'SB' 244'NB'

D DOUBLE

C

R

K

Z

MATCH LINE STA 244+65

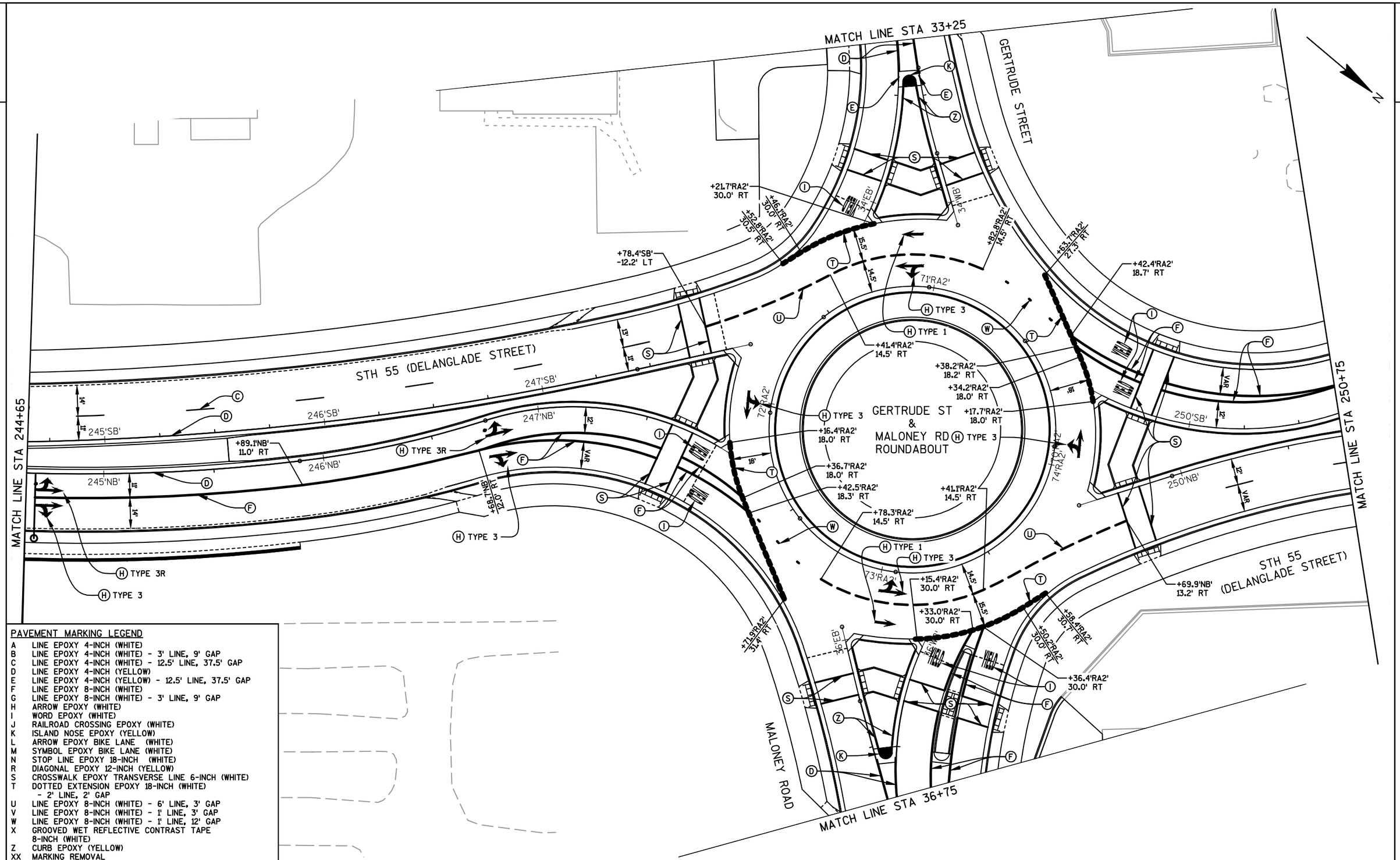
PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	PAVEMENT MARKING - STH 55 NORTHBOUND	SHEET 167	E

FILE NAME : F:\TR\JOBS\E1859A08\CIVIL 3D 2012\SHEETSPLAN\46500871_024500_PM.DWG
46500871_024505_pm

PLOT DATE : 5/25/2017 8:55 AM PLOT BY : OMNNI ASSOCIATES, INC - CRAIG KNUTH

WISDOT/CADDS SHEET 42

2

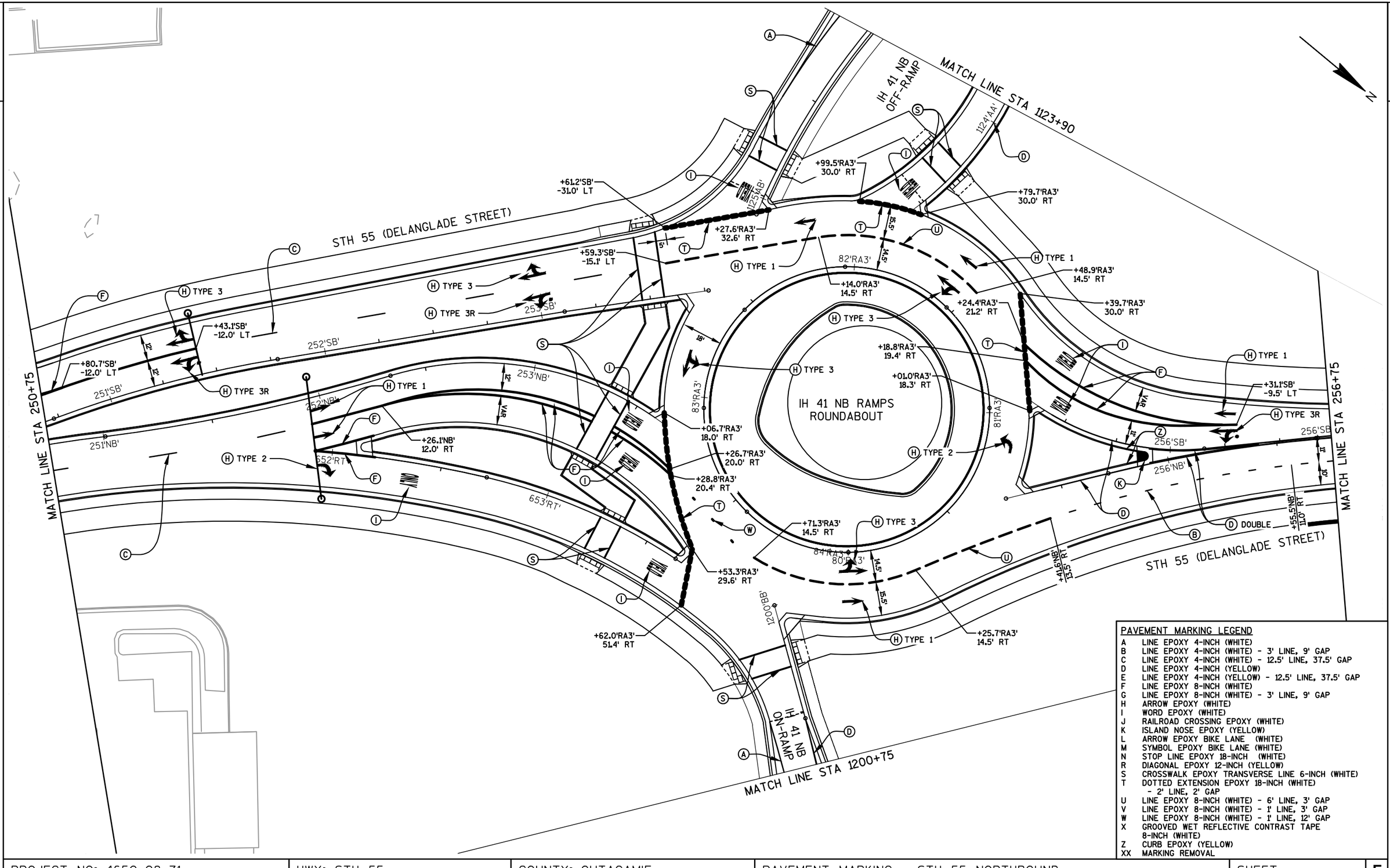


PAVEMENT MARKING LEGEND

A	LINE EPOXY 4-INCH (WHITE)
B	LINE EPOXY 4-INCH (WHITE) - 3' LINE, 9' GAP
C	LINE EPOXY 4-INCH (WHITE) - 12.5' LINE, 37.5' GAP
D	LINE EPOXY 4-INCH (YELLOW)
E	LINE EPOXY 4-INCH (YELLOW) - 12.5' LINE, 37.5' GAP
F	LINE EPOXY 8-INCH (WHITE)
G	LINE EPOXY 8-INCH (WHITE) - 3' LINE, 9' GAP
H	ARROW EPOXY (WHITE)
I	WORD EPOXY (WHITE)
J	RAILROAD CROSSING EPOXY (WHITE)
K	ISLAND NOSE EPOXY (YELLOW)
L	ARROW EPOXY BIKE LANE (WHITE)
M	SYMBOL EPOXY BIKE LANE (WHITE)
N	STOP LINE EPOXY 18-INCH (WHITE)
R	DIAGONAL EPOXY 12-INCH (YELLOW)
S	CROSSWALK EPOXY TRANSVERSE LINE 6-INCH (WHITE)
T	DOTTED EXTENSION EPOXY 18-INCH (WHITE) - 2' LINE, 2' GAP
U	LINE EPOXY 8-INCH (WHITE) - 6' LINE, 3' GAP
V	LINE EPOXY 8-INCH (WHITE) - 1' LINE, 3' GAP
W	LINE EPOXY 8-INCH (WHITE) - 1' LINE, 12' GAP
X	GROOVED WET REFLECTIVE CONTRAST TAPE 8-INCH (WHITE)
Z	CURB EPOXY (YELLOW)
XX	MARKING REMOVAL

PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	PAVEMENT MARKING - STH 55 NORTHBOUND	SHEET 168	E

2

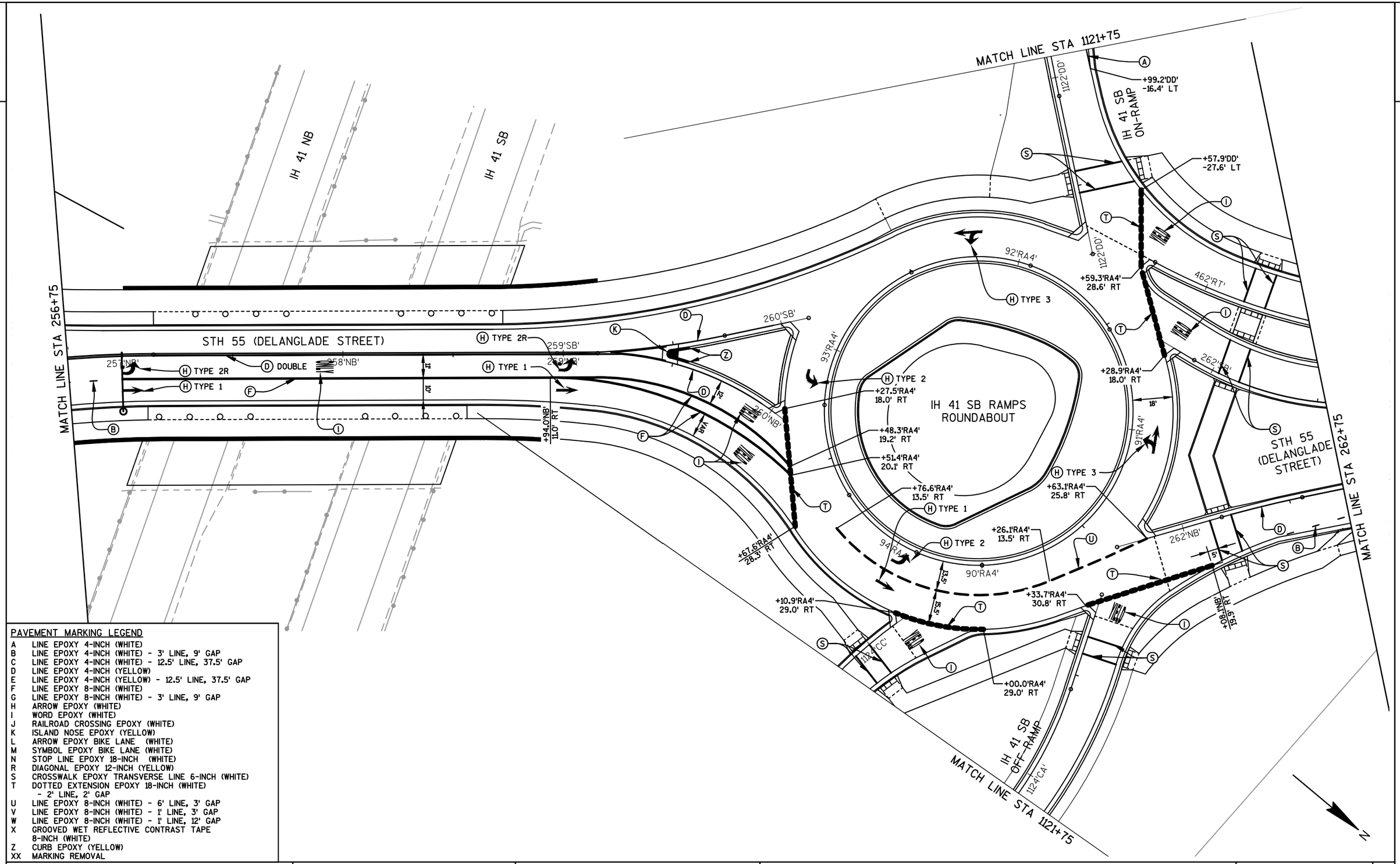


PAVEMENT MARKING LEGEND

A	LINE EPOXY 4-INCH (WHITE)
B	LINE EPOXY 4-INCH (WHITE) - 3' LINE, 9' GAP
C	LINE EPOXY 4-INCH (WHITE) - 12.5' LINE, 37.5' GAP
D	LINE EPOXY 4-INCH (YELLOW)
E	LINE EPOXY 4-INCH (YELLOW) - 12.5' LINE, 37.5' GAP
F	LINE EPOXY 8-INCH (WHITE)
G	LINE EPOXY 8-INCH (WHITE) - 3' LINE, 9' GAP
H	ARROW EPOXY (WHITE)
I	WORD EPOXY (WHITE)
J	RAILROAD CROSSING EPOXY (WHITE)
K	ISLAND NOSE EPOXY (YELLOW)
L	ARROW EPOXY BIKE LANE (WHITE)
M	SYMBOL EPOXY BIKE LANE (WHITE)
N	STOP LINE EPOXY 18-INCH (WHITE)
R	DIAGONAL EPOXY 12-INCH (YELLOW)
S	CROSSWALK EPOXY TRANSVERSE LINE 6-INCH (WHITE)
T	DOTTED EXTENSION EPOXY 18-INCH (WHITE) - 2' LINE, 2' GAP
U	LINE EPOXY 8-INCH (WHITE) - 6' LINE, 3' GAP
V	LINE EPOXY 8-INCH (WHITE) - 1' LINE, 3' GAP
W	LINE EPOXY 8-INCH (WHITE) - 1' LINE, 12' GAP
X	GROOVED WET REFLECTIVE CONTRAST TAPE 8-INCH (WHITE)
Z	CURB EPOXY (YELLOW)
XX	MARKING REMOVAL

PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	PAVEMENT MARKING - STH 55 NORTHBOUND	SHEET 169	E

2

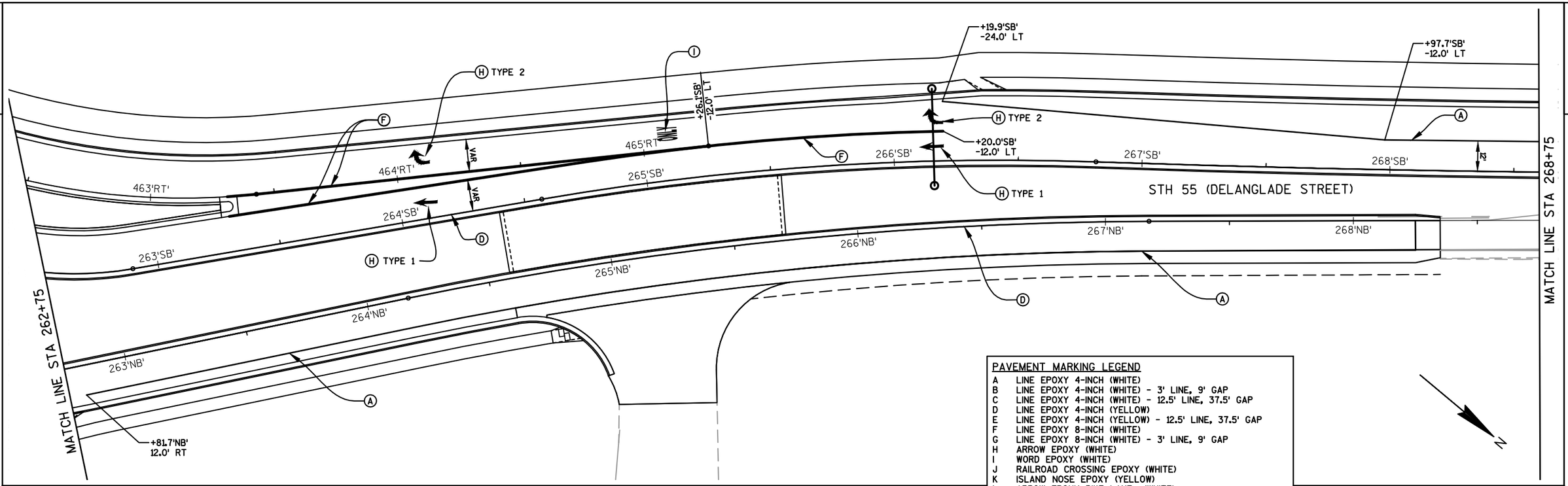


PAVEMENT MARKING LEGEND

A	LINE EPOXY 4-INCH (WHITE)
B	LINE EPOXY 4-INCH (WHITE) - 3' LINE, 9' GAP
C	LINE EPOXY 4-INCH (WHITE) - 12.5' LINE, 37.5' GAP
D	LINE EPOXY 4-INCH (YELLOW)
E	LINE EPOXY 4-INCH (YELLOW) - 12.5' LINE, 37.5' GAP
F	LINE EPOXY 8-INCH (WHITE)
G	LINE EPOXY 8-INCH (WHITE) - 3' LINE, 9' GAP
H	ARROW EPOXY (WHITE)
I	WORD EPOXY (WHITE)
J	RAILROAD CROSSING EPOXY (WHITE)
K	ISLAND NOSE EPOXY (YELLOW)
L	ARROW EPOXY BIKE LANE (WHITE)
M	SYMBOL EPOXY BIKE LANE (WHITE)
N	STOP LINE EPOXY 18-INCH (WHITE)
R	DIAGONAL EPOXY 12-INCH (YELLOW)
S	CROSSWALK EPOXY TRANSVERSE LINE 6-INCH (WHITE)
T	DOTTED EXTENSION EPOXY 18-INCH (WHITE) - 2' LINE, 2' GAP
U	LINE EPOXY 8-INCH (WHITE) - 6' LINE, 3' GAP
V	LINE EPOXY 8-INCH (WHITE) - 1' LINE, 3' GAP
W	LINE EPOXY 8-INCH (WHITE) - 1' LINE, 12' GAP
X	GROOVED WET REFLECTIVE CONTRAST TAPE 8-INCH (WHITE)
Z	CURB EPOXY (YELLOW)
XX	MARKING REMOVAL

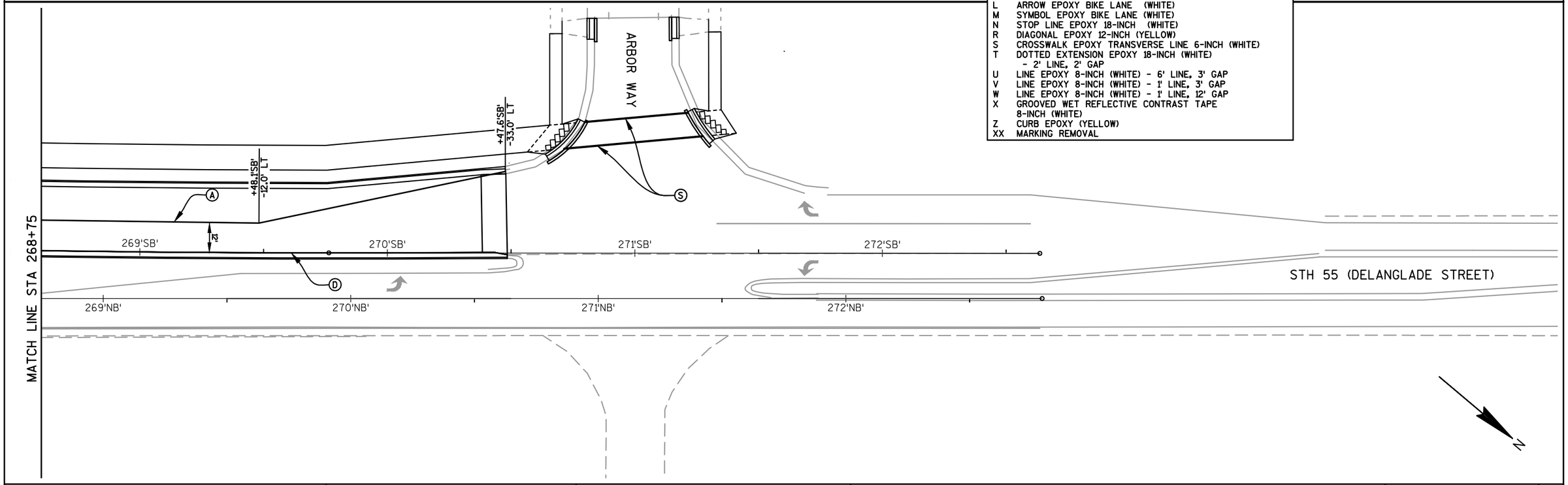
PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	PAVEMENT MARKING - STH 55 NORTHBOUND	SHEET 170	E

2



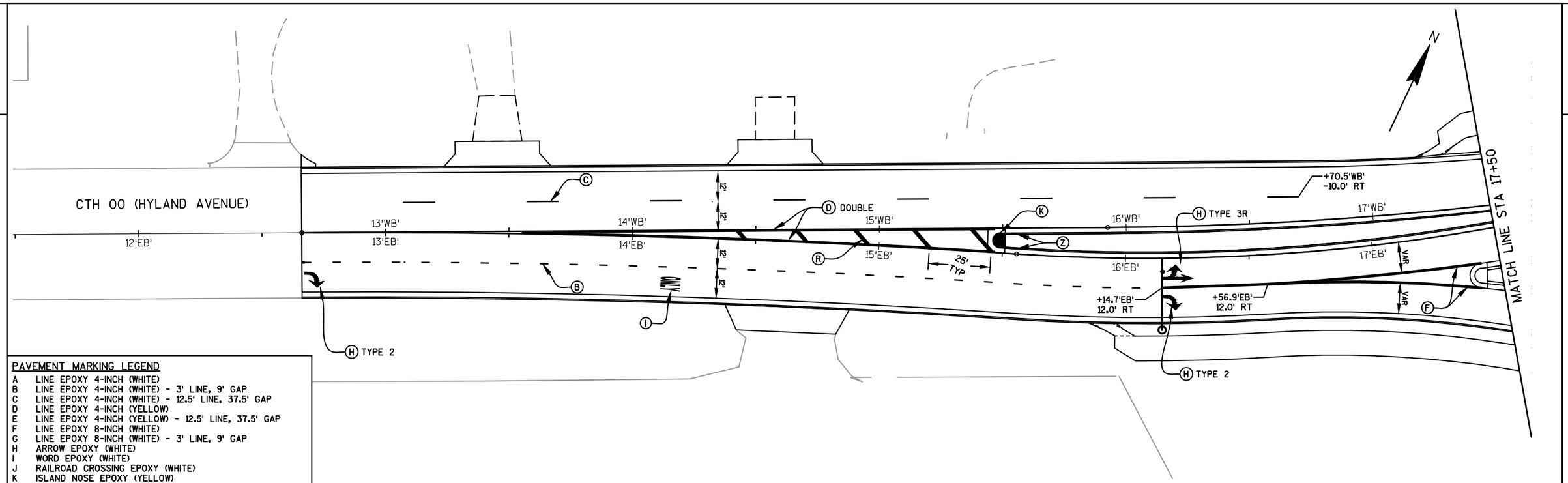
PAVEMENT MARKING LEGEND

A	LINE EPOXY 4-INCH (WHITE)
B	LINE EPOXY 4-INCH (WHITE) - 3' LINE, 9' GAP
C	LINE EPOXY 4-INCH (WHITE) - 12.5' LINE, 37.5' GAP
D	LINE EPOXY 4-INCH (YELLOW)
E	LINE EPOXY 4-INCH (YELLOW) - 12.5' LINE, 37.5' GAP
F	LINE EPOXY 8-INCH (WHITE)
G	LINE EPOXY 8-INCH (WHITE) - 3' LINE, 9' GAP
H	ARROW EPOXY (WHITE)
I	WORD EPOXY (WHITE)
J	RAILROAD CROSSING EPOXY (WHITE)
K	ISLAND NOSE EPOXY (YELLOW)
L	ARROW EPOXY BIKE LANE (WHITE)
M	SYMBOL EPOXY BIKE LANE (WHITE)
N	STOP LINE EPOXY 18-INCH (WHITE)
R	DIAGONAL EPOXY 12-INCH (YELLOW)
S	CROSSWALK EPOXY TRANSVERSE LINE 6-INCH (WHITE)
T	DOTTED EXTENSION EPOXY 18-INCH (WHITE) - 2' LINE, 2' GAP
U	LINE EPOXY 8-INCH (WHITE) - 6' LINE, 3' GAP
V	LINE EPOXY 8-INCH (WHITE) - 1' LINE, 3' GAP
W	LINE EPOXY 8-INCH (WHITE) - 1' LINE, 12' GAP
X	GROOVED WET REFLECTIVE CONTRAST TAPE 8-INCH (WHITE)
Z	CURB EPOXY (YELLOW)
XX	MARKING REMOVAL



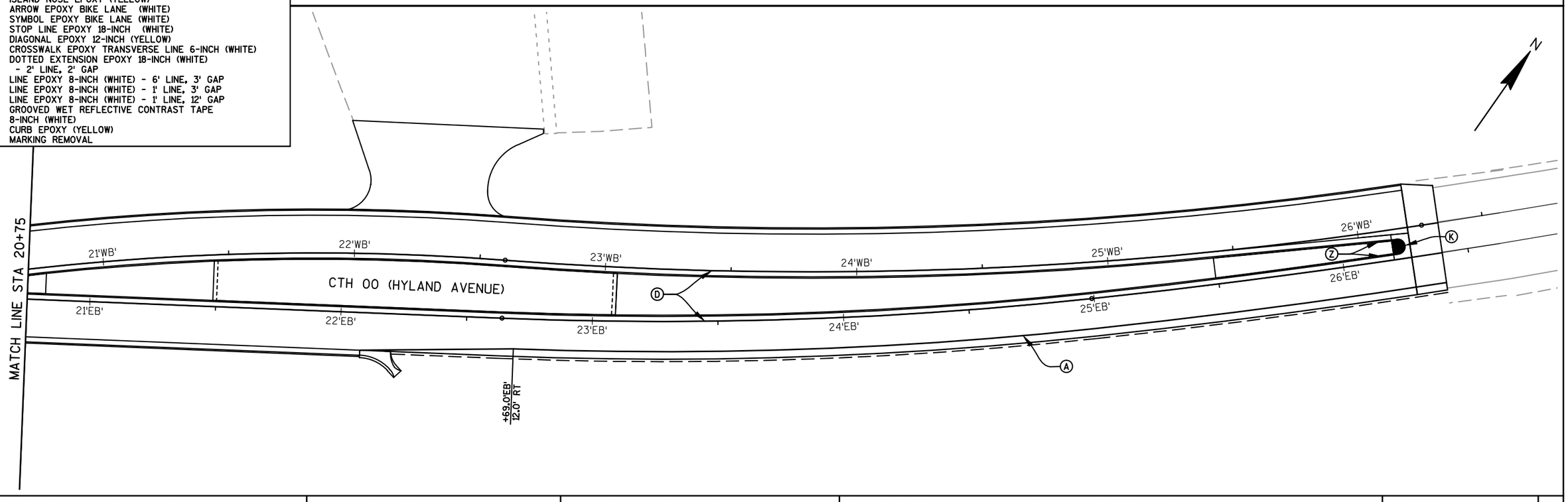
PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	PAVEMENT MARKING - STH 55 NORTHBOUND	SHEET 171	E

2



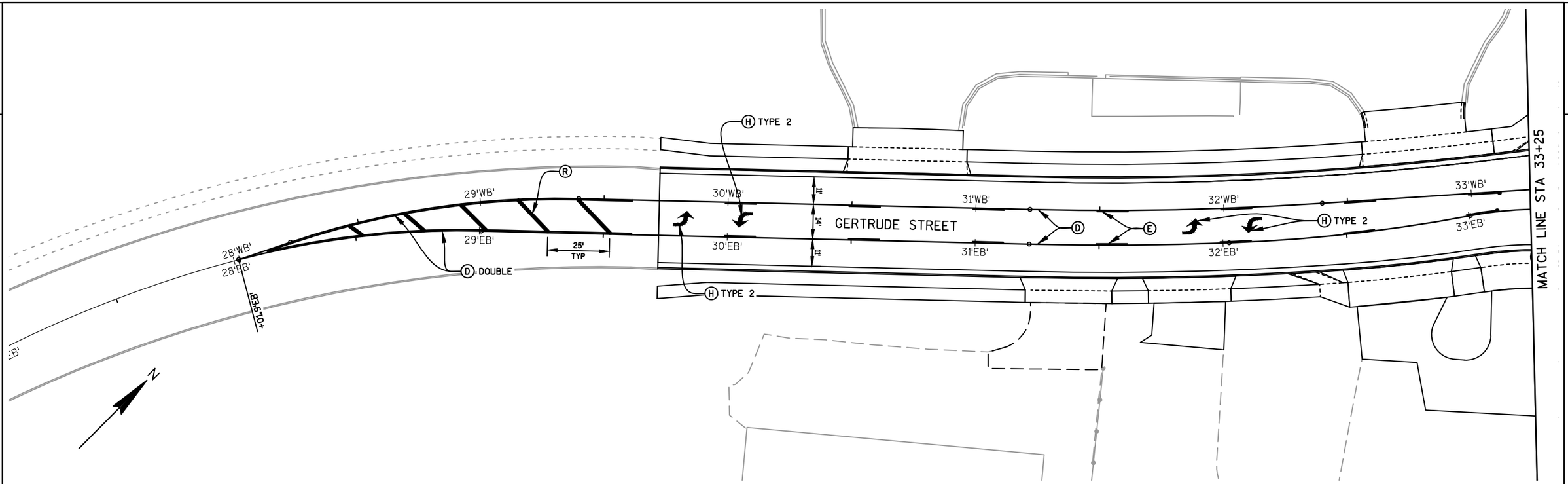
PAVEMENT MARKING LEGEND

A	LINE EPOXY 4-INCH (WHITE)
B	LINE EPOXY 4-INCH (WHITE) - 3' LINE, 9' GAP
C	LINE EPOXY 4-INCH (WHITE) - 12.5' LINE, 37.5' GAP
D	LINE EPOXY 4-INCH (YELLOW)
E	LINE EPOXY 4-INCH (YELLOW) - 12.5' LINE, 37.5' GAP
F	LINE EPOXY 8-INCH (WHITE)
G	LINE EPOXY 8-INCH (WHITE) - 3' LINE, 9' GAP
H	ARROW EPOXY (WHITE)
I	WORD EPOXY (WHITE)
J	RAILROAD CROSSING EPOXY (WHITE)
K	ISLAND NOSE EPOXY (YELLOW)
L	ARROW EPOXY BIKE LANE (WHITE)
M	SYMBOL EPOXY BIKE LANE (WHITE)
N	STOP LINE EPOXY 18-INCH (WHITE)
R	DIAGONAL EPOXY 12-INCH (YELLOW)
S	CROSSWALK EPOXY TRANSVERSE LINE 6-INCH (WHITE)
T	DOTTED EXTENSION EPOXY 18-INCH (WHITE) - 2' LINE, 2' GAP
U	LINE EPOXY 8-INCH (WHITE) - 6' LINE, 3' GAP
V	LINE EPOXY 8-INCH (WHITE) - 1' LINE, 3' GAP
W	LINE EPOXY 8-INCH (WHITE) - 1' LINE, 12' GAP
X	GROOVED WET REFLECTIVE CONTRAST TAPE 8-INCH (WHITE)
Z	CURB EPOXY (YELLOW)
XX	MARKING REMOVAL



PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	PAVEMENT MARKING - CTH 00 EASTBOUND	SHEET 172	E

2

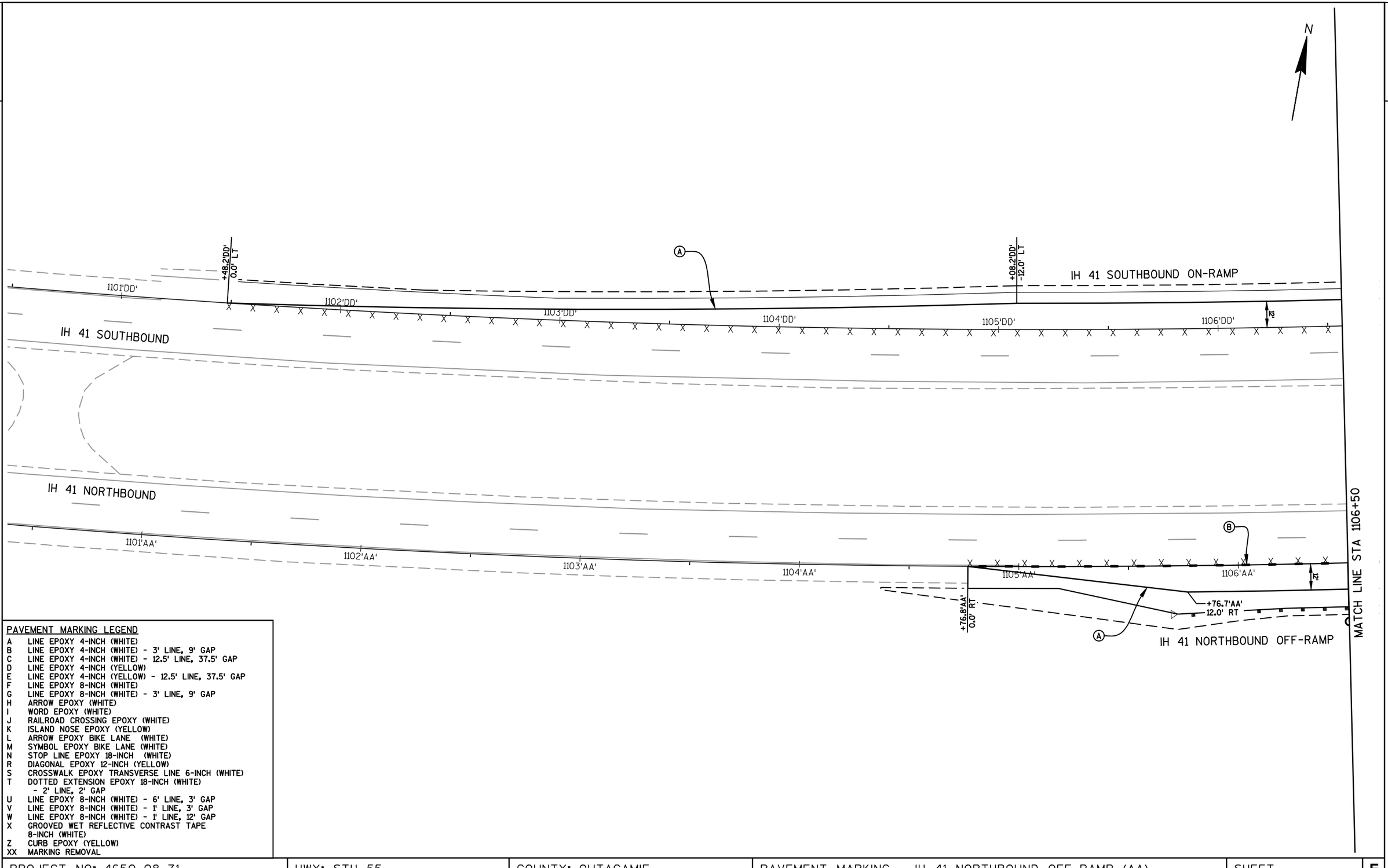


PAVEMENT MARKING LEGEND

A	LINE EPOXY 4-INCH (WHITE)
B	LINE EPOXY 4-INCH (WHITE) - 3' LINE, 9' GAP
C	LINE EPOXY 4-INCH (WHITE) - 12.5' LINE, 37.5' GAP
D	LINE EPOXY 4-INCH (YELLOW)
E	LINE EPOXY 4-INCH (YELLOW) - 12.5' LINE, 37.5' GAP
F	LINE EPOXY 8-INCH (WHITE)
G	LINE EPOXY 8-INCH (WHITE) - 3' LINE, 9' GAP
H	ARROW EPOXY (WHITE)
I	WORD EPOXY (WHITE)
J	RAILROAD CROSSING EPOXY (WHITE)
K	ISLAND NOSE EPOXY (YELLOW)
L	ARROW EPOXY BIKE LANE (WHITE)
M	SYMBOL EPOXY BIKE LANE (WHITE)
N	STOP LINE EPOXY 18-INCH (WHITE)
R	DIAGONAL EPOXY 12-INCH (YELLOW)
S	CROSSWALK EPOXY TRANSVERSE LINE 6-INCH (WHITE)
T	DOTTED EXTENSION EPOXY 18-INCH (WHITE) - 2' LINE, 2' GAP
U	LINE EPOXY 8-INCH (WHITE) - 6' LINE, 3' GAP
V	LINE EPOXY 8-INCH (WHITE) - 1' LINE, 3' GAP
W	LINE EPOXY 8-INCH (WHITE) - 1' LINE, 12' GAP
X	GROOVED WET REFLECTIVE CONTRAST TAPE 8-INCH (WHITE)
Z	CURB EPOXY (YELLOW)
XX	MARKING REMOVAL

PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	PAVEMENT MARKING - GERTRUDE ST & MALONEY ROAD EASTBOUND	SHEET 173	E

2



PAVEMENT MARKING LEGEND

A	LINE EPOXY 4-INCH (WHITE)
B	LINE EPOXY 4-INCH (WHITE) - 3' LINE, 9' GAP
C	LINE EPOXY 4-INCH (WHITE) - 12.5' LINE, 37.5' GAP
D	LINE EPOXY 4-INCH (YELLOW)
E	LINE EPOXY 4-INCH (YELLOW) - 12.5' LINE, 37.5' GAP
F	LINE EPOXY 8-INCH (WHITE)
G	LINE EPOXY 8-INCH (WHITE) - 3' LINE, 9' GAP
H	ARROW EPOXY (WHITE)
I	WORD EPOXY (WHITE)
J	RAILROAD CROSSING EPOXY (WHITE)
K	ISLAND NOSE EPOXY (YELLOW)
L	ARROW EPOXY BIKE LANE (WHITE)
M	SYMBOL EPOXY BIKE LANE (WHITE)
N	STOP LINE EPOXY 18-INCH (WHITE)
R	DIAGONAL EPOXY 12-INCH (YELLOW)
S	CROSSWALK EPOXY TRANSVERSE LINE 6-INCH (WHITE)
T	DOTTED EXTENSION EPOXY 18-INCH (WHITE) - 2' LINE, 2' GAP
U	LINE EPOXY 8-INCH (WHITE) - 6' LINE, 3' GAP
V	LINE EPOXY 8-INCH (WHITE) - 1' LINE, 3' GAP
W	LINE EPOXY 8-INCH (WHITE) - 1' LINE, 12' GAP
X	GROOVED WET REFLECTIVE CONTRAST TAPE 8-INCH (WHITE)
Z	CURB EPOXY (YELLOW)
XX	MARKING REMOVAL

PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	PAVEMENT MARKING - IH 41 NORTHBOUND OFF-RAMP (AA)	SHEET 174 E

2

N

IH 41 SOUTHBOUND ON-RAMP

1107'DD' 1108'DD' 1109'DD' 1110'DD' 1111'DD' 1112'DD'

+69.5'DD'
0.0' LT

IH 41 SOUTHBOUND

IH 41 NORTHBOUND

MATCH LINE STA 1106+50

1107'AA' 1108'AA' 1109'AA' 1110'AA' 1111'AA' 1112'AA'

+14.0'AA'
0.0' RT

IH 41 NORTHBOUND OFF-RAMP

+76.7'AA'
12.0' RT

MATCH LINE STA 1112+50

PAVEMENT MARKING LEGEND

A	LINE EPOXY 4-INCH (WHITE)
B	LINE EPOXY 4-INCH (WHITE) - 3' LINE, 9' GAP
C	LINE EPOXY 4-INCH (WHITE) - 12.5' LINE, 37.5' GAP
D	LINE EPOXY 4-INCH (YELLOW)
E	LINE EPOXY 4-INCH (YELLOW) - 12.5' LINE, 37.5' GAP
F	LINE EPOXY 8-INCH (WHITE)
G	LINE EPOXY 8-INCH (WHITE) - 3' LINE, 9' GAP
H	ARROW EPOXY (WHITE)
I	WORD EPOXY (WHITE)
J	RAILROAD CROSSING EPOXY (WHITE)
K	ISLAND NOSE EPOXY (YELLOW)
L	ARROW EPOXY BIKE LANE (WHITE)
M	SYMBOL EPOXY BIKE LANE (WHITE)
N	STOP LINE EPOXY 18-INCH (WHITE)
R	DIAGONAL EPOXY 12-INCH (YELLOW)
S	CROSSWALK EPOXY TRANSVERSE LINE 6-INCH (WHITE)
T	DOTTED EXTENSION EPOXY 18-INCH (WHITE) - 2' LINE, 2' GAP
U	LINE EPOXY 8-INCH (WHITE) - 6' LINE, 3' GAP
V	LINE EPOXY 8-INCH (WHITE) - 1' LINE, 3' GAP
W	LINE EPOXY 8-INCH (WHITE) - 1' LINE, 12' GAP
X	GROOVED WET REFLECTIVE CONTRAST TAPE 8-INCH (WHITE)
Z	CURB EPOXY (YELLOW)
XX	MARKING REMOVAL

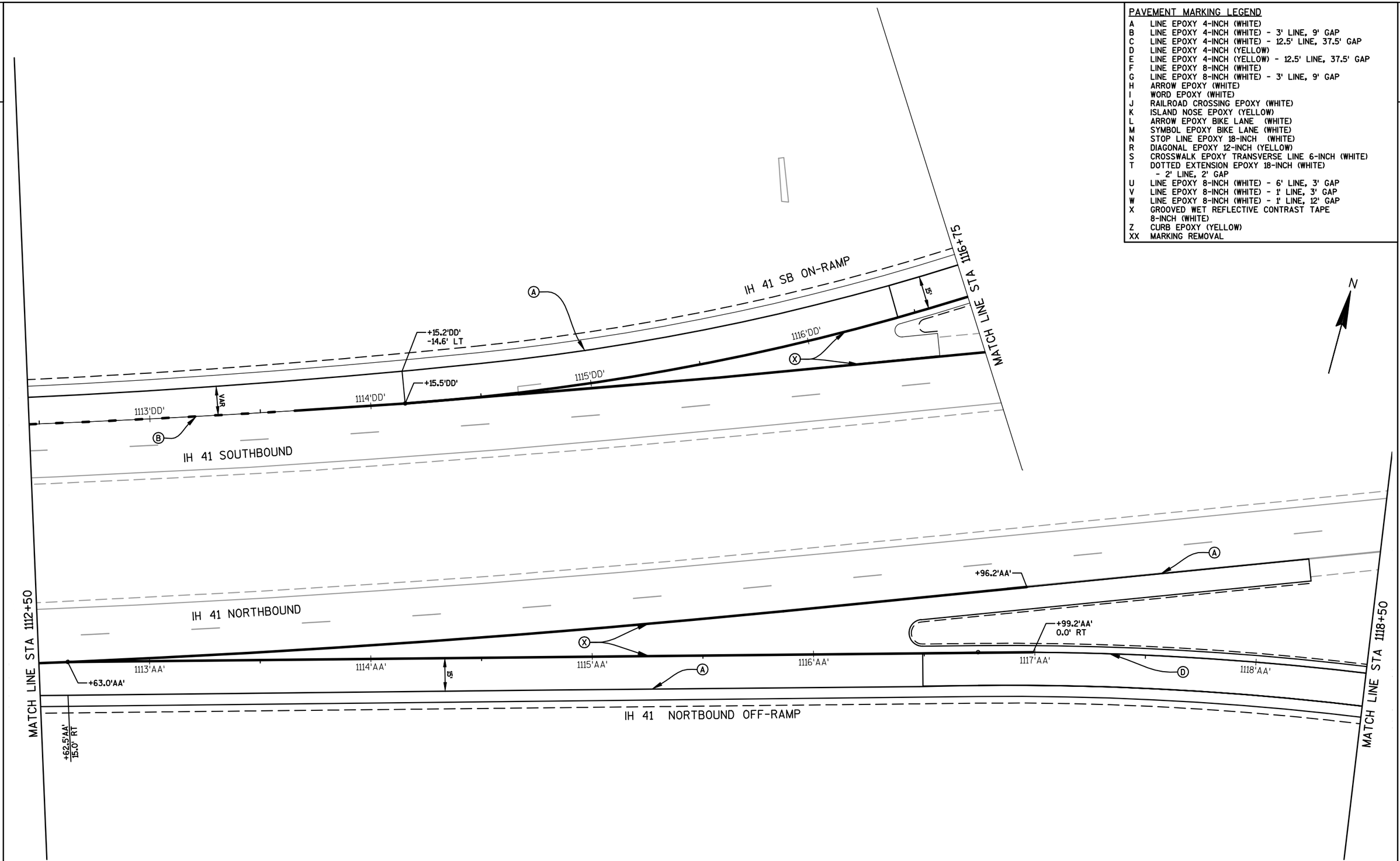
PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	PAVEMENT MARKING - IH 41 NORTHBOUND OFF-RAMP (AA)	SHEET 175	E

2

2

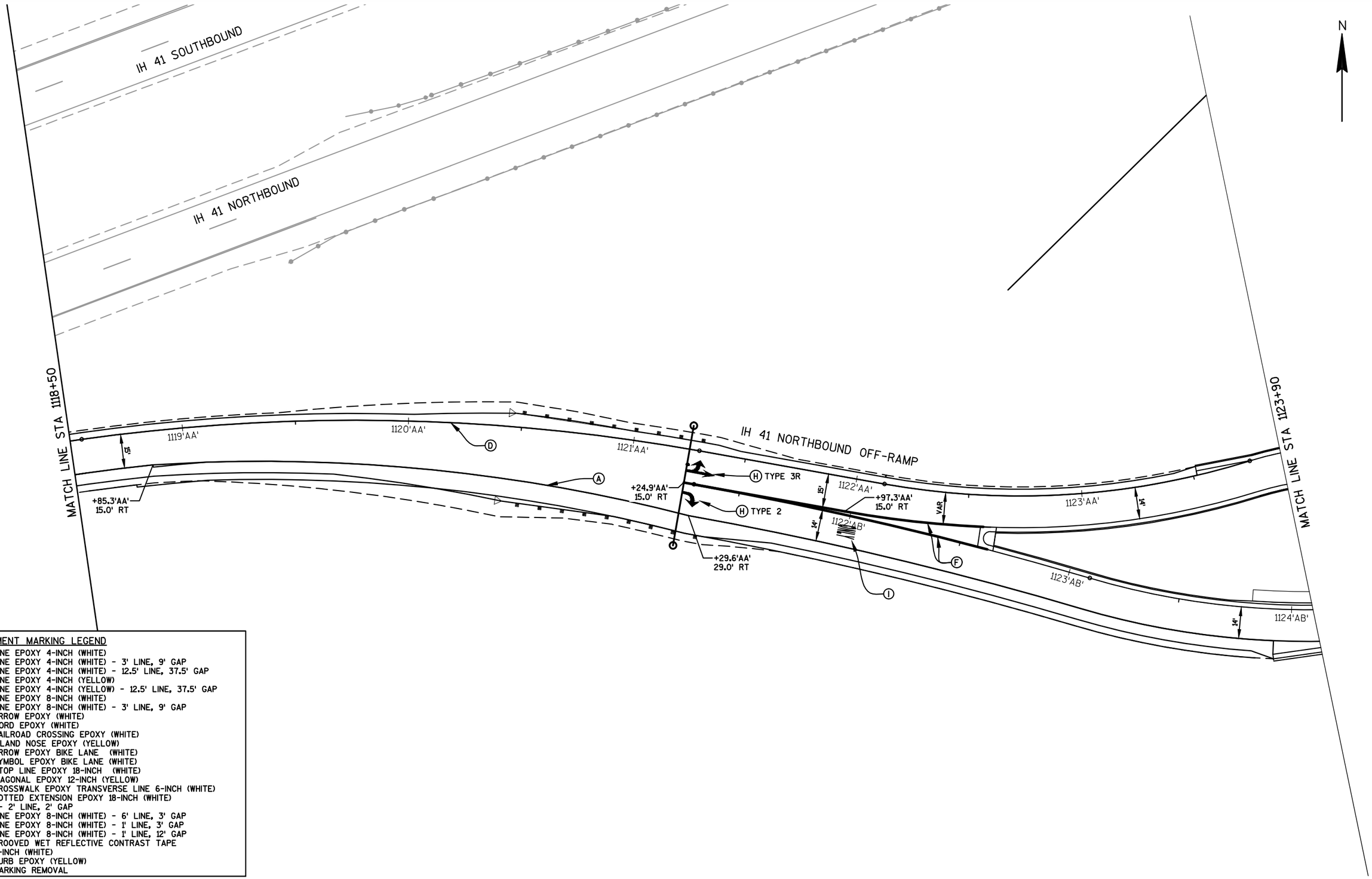
PAVEMENT MARKING LEGEND

A	LINE EPOXY 4-INCH (WHITE)
B	LINE EPOXY 4-INCH (WHITE) - 3' LINE, 9' GAP
C	LINE EPOXY 4-INCH (WHITE) - 12.5' LINE, 37.5' GAP
D	LINE EPOXY 4-INCH (YELLOW)
E	LINE EPOXY 4-INCH (YELLOW) - 12.5' LINE, 37.5' GAP
F	LINE EPOXY 8-INCH (WHITE)
G	LINE EPOXY 8-INCH (WHITE) - 3' LINE, 9' GAP
H	ARROW EPOXY (WHITE)
I	WORD EPOXY (WHITE)
J	RAILROAD CROSSING EPOXY (WHITE)
K	ISLAND NOSE EPOXY (YELLOW)
L	ARROW EPOXY BIKE LANE (WHITE)
M	SYMBOL EPOXY BIKE LANE (WHITE)
N	STOP LINE EPOXY 18-INCH (WHITE)
R	DIAGONAL EPOXY 12-INCH (YELLOW)
S	CROSSWALK EPOXY TRANSVERSE LINE 6-INCH (WHITE)
T	DOTTED EXTENSION EPOXY 18-INCH (WHITE) - 2' LINE, 2' GAP
U	LINE EPOXY 8-INCH (WHITE) - 6' LINE, 3' GAP
V	LINE EPOXY 8-INCH (WHITE) - 1' LINE, 3' GAP
W	LINE EPOXY 8-INCH (WHITE) - 1' LINE, 12' GAP
X	GROOVED WET REFLECTIVE CONTRAST TAPE 8-INCH (WHITE)
Z	CURB EPOXY (YELLOW)
XX	MARKING REMOVAL



PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	PAVEMENT MARKING - IH 41 NORTHBOUND OFF-RAMP (AA)	SHEET 176	E

2

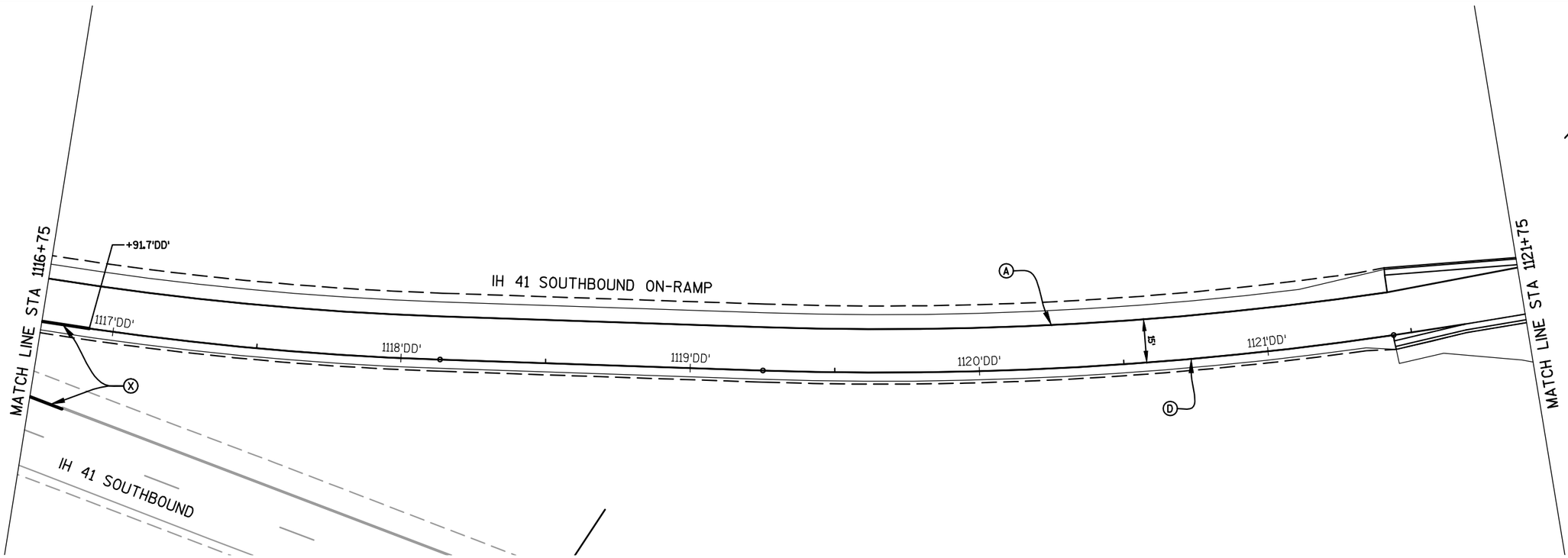


PAVEMENT MARKING LEGEND

A	LINE EPOXY 4-INCH (WHITE)
B	LINE EPOXY 4-INCH (WHITE) - 3' LINE, 9' GAP
C	LINE EPOXY 4-INCH (WHITE) - 12.5' LINE, 37.5' GAP
D	LINE EPOXY 4-INCH (YELLOW)
E	LINE EPOXY 4-INCH (YELLOW) - 12.5' LINE, 37.5' GAP
F	LINE EPOXY 8-INCH (WHITE)
G	LINE EPOXY 8-INCH (WHITE) - 3' LINE, 9' GAP
H	ARROW EPOXY (WHITE)
I	WORD EPOXY (WHITE)
J	RAILROAD CROSSING EPOXY (WHITE)
K	ISLAND NOSE EPOXY (YELLOW)
L	ARROW EPOXY BIKE LANE (WHITE)
M	SYMBOL EPOXY BIKE LANE (WHITE)
N	STOP LINE EPOXY 18-INCH (WHITE)
R	DIAGONAL EPOXY 12-INCH (YELLOW)
S	CROSSWALK EPOXY TRANSVERSE LINE 6-INCH (WHITE)
T	DOTTED EXTENSION EPOXY 18-INCH (WHITE) - 2' LINE, 2' GAP
U	LINE EPOXY 8-INCH (WHITE) - 6' LINE, 3' GAP
V	LINE EPOXY 8-INCH (WHITE) - 1' LINE, 3' GAP
W	LINE EPOXY 8-INCH (WHITE) - 1' LINE, 12' GAP
X	GROOVED WET REFLECTIVE CONTRAST TAPE 8-INCH (WHITE)
Z	CURB EPOXY (YELLOW)
XX	MARKING REMOVAL

PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	PAVEMENT MARKING - IH 41 NORTHBOUND OFF-RAMP (AA)	SHEET 177	E

2



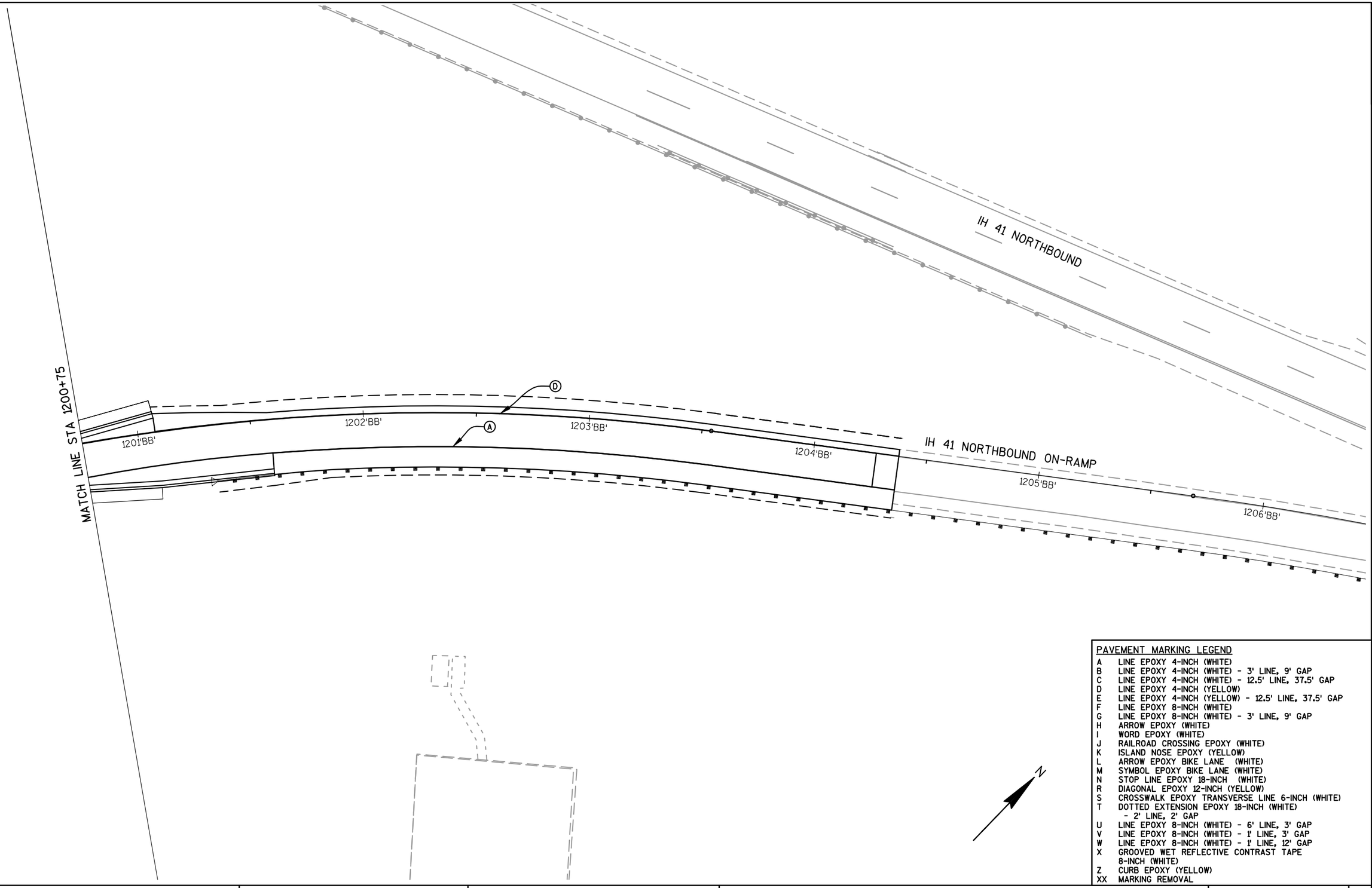
PAVEMENT MARKING LEGEND

A	LINE EPOXY 4-INCH (WHITE)
B	LINE EPOXY 4-INCH (WHITE) - 3' LINE, 9' GAP
C	LINE EPOXY 4-INCH (WHITE) - 12.5' LINE, 37.5' GAP
D	LINE EPOXY 4-INCH (YELLOW)
E	LINE EPOXY 4-INCH (YELLOW) - 12.5' LINE, 37.5' GAP
F	LINE EPOXY 8-INCH (WHITE)
G	LINE EPOXY 8-INCH (WHITE) - 3' LINE, 9' GAP
H	ARROW EPOXY (WHITE)
I	WORD EPOXY (WHITE)
J	RAILROAD CROSSING EPOXY (WHITE)
K	ISLAND NOSE EPOXY (YELLOW)
L	ARROW EPOXY BIKE LANE (WHITE)
M	SYMBOL EPOXY BIKE LANE (WHITE)
N	STOP LINE EPOXY 18-INCH (WHITE)
R	DIAGONAL EPOXY 12-INCH (YELLOW)
S	CROSSWALK EPOXY TRANSVERSE LINE 6-INCH (WHITE)
T	DOTTED EXTENSION EPOXY 18-INCH (WHITE) - 2' LINE, 2' GAP
U	LINE EPOXY 8-INCH (WHITE) - 6' LINE, 3' GAP
V	LINE EPOXY 8-INCH (WHITE) - 1' LINE, 3' GAP
W	LINE EPOXY 8-INCH (WHITE) - 1' LINE, 12' GAP
X	GROOVED WET REFLECTIVE CONTRAST TAPE 8-INCH (WHITE)
Z	CURB EPOXY (YELLOW)
XX	MARKING REMOVAL

PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	PAVEMENT MARKING - IH 41 SOUTHBOUND ON-RAMP (DD)	SHEET 178	E

FILE NAME : F:\TR\JOBS\E1859A08\CIVIL 3D 2012\SHEETSPLAN\46500871_024500_PM.DWG
46500871_024525_pm
PLOT DATE : 5/25/2017 8:59 AM
PLOT BY : OMNNI ASSOCIATES, INC - CRAIG KNUTH
WISDOT/CADDS SHEET 42

2



PAVEMENT MARKING LEGEND

A	LINE EPOXY 4-INCH (WHITE)
B	LINE EPOXY 4-INCH (WHITE) - 3' LINE, 9' GAP
C	LINE EPOXY 4-INCH (WHITE) - 12.5' LINE, 37.5' GAP
D	LINE EPOXY 4-INCH (YELLOW)
E	LINE EPOXY 4-INCH (YELLOW) - 12.5' LINE, 37.5' GAP
F	LINE EPOXY 8-INCH (WHITE)
G	LINE EPOXY 8-INCH (WHITE) - 3' LINE, 9' GAP
H	ARROW EPOXY (WHITE)
I	WORD EPOXY (WHITE)
J	RAILROAD CROSSING EPOXY (WHITE)
K	ISLAND NOSE EPOXY (YELLOW)
L	ARROW EPOXY BIKE LANE (WHITE)
M	SYMBOL EPOXY BIKE LANE (WHITE)
N	STOP LINE EPOXY 18-INCH (WHITE)
R	DIAGONAL EPOXY 12-INCH (YELLOW)
S	CROSSWALK EPOXY TRANSVERSE LINE 6-INCH (WHITE)
T	DOTTED EXTENSION EPOXY 18-INCH (WHITE) - 2' LINE, 2' GAP
U	LINE EPOXY 8-INCH (WHITE) - 6' LINE, 3' GAP
V	LINE EPOXY 8-INCH (WHITE) - 1' LINE, 3' GAP
W	LINE EPOXY 8-INCH (WHITE) - 1' LINE, 12' GAP
X	GROOVED WET REFLECTIVE CONTRAST TAPE 8-INCH (WHITE)
Z	CURB EPOXY (YELLOW)
XX	MARKING REMOVAL

PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	PAVEMENT MARKING - IH 41 NORTHBOUND ON-RAMP (BB)	SHEET 179	E

FILE NAME : F:\TR\JOBS\E1859A08\CIVIL 3D 2012\SHEETSPLAN\46500871_024500_PM.DWG
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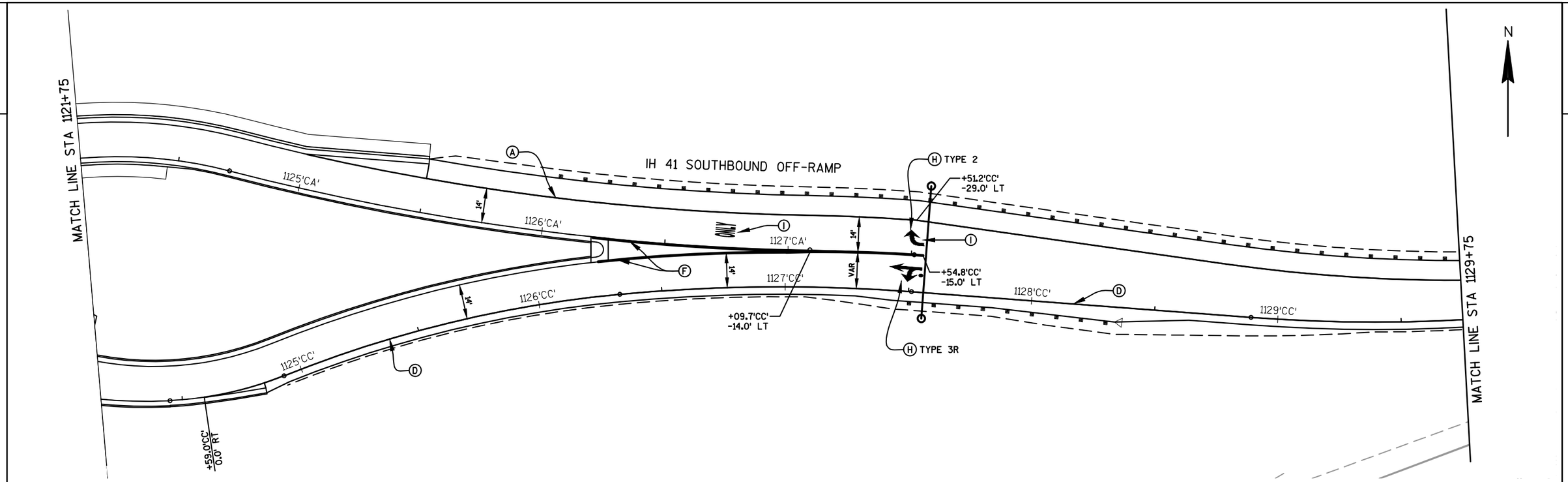
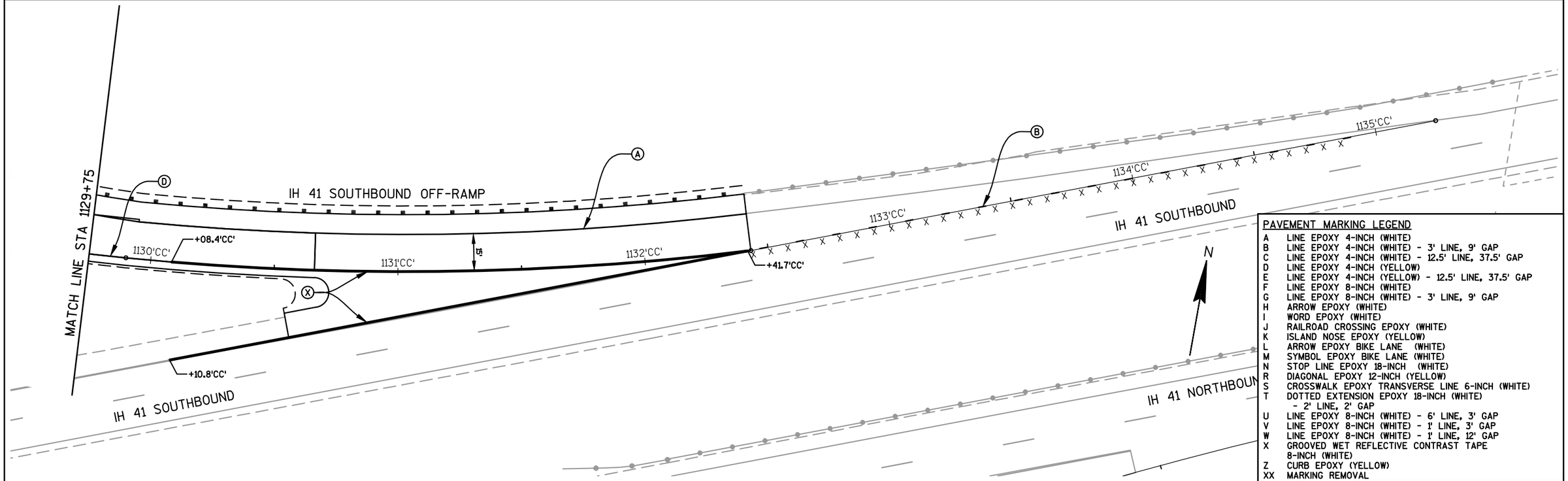
PLOT BY : OMNNI ASSOCIATES, INC - CRAIG KNUTH
WISDOT/CADDS SHEET 42

2





PAVEMENT MARKING LEGEND

A	LINE EPOXY 4-INCH (WHITE)
B	LINE EPOXY 4-INCH (WHITE) - 3' LINE, 9' GAP
C	LINE EPOXY 4-INCH (WHITE) - 12.5' LINE, 37.5' GAP
D	LINE EPOXY 4-INCH (YELLOW)
E	LINE EPOXY 4-INCH (YELLOW) - 12.5' LINE, 37.5' GAP
F	LINE EPOXY 8-INCH (WHITE)
G	LINE EPOXY 8-INCH (WHITE) - 3' LINE, 9' GAP
H	ARROW EPOXY (WHITE)
I	WORD EPOXY (WHITE)
J	RAILROAD CROSSING EPOXY (WHITE)
K	ISLAND NOSE EPOXY (YELLOW)
L	ARROW EPOXY BIKE LANE (WHITE)
M	SYMBOL EPOXY BIKE LANE (WHITE)
N	STOP LINE EPOXY 18-INCH (WHITE)
R	DIAGONAL EPOXY 12-INCH (YELLOW)
S	CROSSWALK EPOXY TRANSVERSE LINE 6-INCH (WHITE)
T	DOTTED EXTENSION EPOXY 18-INCH (WHITE) - 2' LINE, 2' GAP
U	LINE EPOXY 8-INCH (WHITE) - 6' LINE, 3' GAP
V	LINE EPOXY 8-INCH (WHITE) - 1' LINE, 3' GAP
W	LINE EPOXY 8-INCH (WHITE) - 1' LINE, 12' GAP
X	GROOVED WET REFLECTIVE CONTRAST TAPE 8-INCH (WHITE)
Z	CURB EPOXY (YELLOW)
XX	MARKING REMOVAL

PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	PAVEMENT MARKING - IH 41 SOUTHBOUND OFF-RAMP (CC)	SHEET 180	E

FILE NAME : F:\TR\JOBS\E1859A08\CIVIL 3D 2012\SHEETSPLAN\46500871_024500_PM.DWG
46500871_024531_pm
PLOT DATE : 5/25/2017 9:00 AM
PLOT BY : OMNNI ASSOCIATES, INC - CRAIG KNUTH
WISDOT/CADDS SHEET 42

2

NOTES:

SEE SPECIAL PROVISIONS FOR WORK THAT CAN BE CONCURRENT WITH STAGE 1B

1. SEE SDD "BARRICADES AND SIGNS FOR MAINLINE CLOSURES" DETAIL B AND DETAIL E.
2. SEE SDD "BARRICADES AND SIGNS FOR SIDEROAD CLOSURES" DETAIL 1
3. SEE SDD "BARRICADES AND SIGNS FOR SIDEROAD CLOSURES" DETAIL 3
4. SEE SDD "BARRICADES AND SIGNS FOR SIDEROAD CLOSURES" DETAIL 4
5. SEE SDD "TRAFFIC CONTROL PEDESTRIAN ACCOMMODATION" AND SPECIAL PROVISIONS FOR SIGNING AND ACCOMMODATION REQUIREMENTS
6. SEE SDD "BARRICADES AND SIGNS FOR MAINLINE CLOSURES" DETAILS A & E
7. SEE SDD "BARRICADES AND SIGNS FOR MAINLINE CLOSURES" DETAILS C & E
8. SEE DETOUR SIGNING DETAILS FOR ADDITIONAL SIGNING AND INFORMATION

LEGEND

- WORK AREA
- SIGN ON PERMANENT SUPPORT
- STAGE 1A
- STAGE 1B

N

ARBOR WAY
270+00
265+00
260+00
IH 41 SB OFF-RAMP
IH 41 SB ON-RAMP
IH 41 SB
IH 41 NB
IH 41 NB OFF-RAMP
IH 41 NB OFF-RAMP
END ROAD WORK G20-2A 48"X24"
MALONEY RD
IH 41 NB OFF-RAMP
END ROAD WORK G20-2A 48"X24"
NOTE 3
250+00
DETAIL 1
245+00
NOTE 6
GERTRUDE ST
NOTE 3
END ROAD WORK G20-2A 48"X24"
240+00
BADGER RD
NOTE 2
235+00
STH 55 (KELLOGG ST)
230+00
CTH OO
END ROAD WORK G20-2A 48"X24"
NOTE 7
WCL RR
BLACKWELL ST
DESNOYER ST
NOTE 4
OYHAIT ST
CTH J (LAWE ST)
NOTE 5
225+00
220+00
END ROAD WORK G20-2A 48"X24"
CTH OO (HYLAND AVE)
NOTE 7
NOTE 3
DETAIL 2
215+00
STH 96 (PLANK RD)
NOTE 4
210+00
STH 55/96 (LAWE ST)
NOTE 1
WCL RR

PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	TRAFFIC CONTROL PLAN - STAGE 1	SHEET 181	E

2

NOTES:

SEE SPECIAL PROVISIONS FOR WORK THAT CAN BE DONE CONCURRENT WITH STAGE 2

1. SEE SDD "BARRICADES AND SIGNS FOR MAINLINE CLOSURES" DETAIL A AND DETAIL D
2. SEE SDD "BARRICADES AND SIGNS FOR MAINLINE CLOSURES" DETAIL A AND DETAIL E
3. SEE SDD "BARRICADES AND SIGNS FOR MAINLINE CLOSURES" DETAIL C AND DETAIL E
4. SEE SDD "TRAFFIC CONTROL PEDESTRIAN ACCOMMODATION" AND SPECIAL PROVISIONS FOR SIGNING AND ACCOMMODATION REQUIREMENTS
5. SEE DETOUR SIGNING DETAILS FOR ADDITIONAL SIGNING AND INFORMATION

LEGEND

- WORK AREA
- SIGN ON PERMANENT SUPPORT
- STAGE 2

N

ARBOR WAY
270+00
265+00
IH 41 SB OFF-RAMP
IH 41 SB ON-RAMP
260+00
IH 41 NB OFF-RAMP
IH 41 SB
IH 41 NB
MALONEY RD
250+00
IH 41 NB OFF-RAMP
GERTRUDE ST
245+00
240+00
BADGER RD
CTH OO (HYLAND AVE)
235+00
STH 55 (DELANGLADE ST)
230+00
225+00
WCL RR
BLACKWELL ST
DESNOYER ST
OVIATT ST
220+00
CTH J (LAWE ST)
NOTE 4
END ROAD WORK
G20-2A 48"X24"
NOTE 3
NOTE 1
STAGE 2
215+00
STH 96 (PLANK RD)
NOTE 2
210+00
STH 55/96 (LAWE ST)
NOTE 1
END ROAD WORK
G20-2A 48"X24"
WCL RR
CTH OO (HYLAND AVE)
BLDG

PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	TRAFFIC CONTROL PLAN - STAGE 2	SHEET 182	E

2

NOTES:

SEE SPECIAL PROVISIONS FOR WORK THAT CAN BE DONE CONCURRENT WITH STAGE 3

1. SEE SDD "BARRICADES AND SIGNS FOR MAINLINE CLOSURES" DETAIL A AND DETAIL E
2. SEE SDD "BARRICADES AND SIGNS FOR SIDEROAD CLOSURES" DETAIL 4
3. SEE SDD "TRAFFIC CONTROL SHOULDER CLOSURE ON DIVIDED ROADWAY, SPEEDS GREATER THAN 40 MPH" DURING SHOULDER WORK
4. SEE SDD "TRAFFIC CONTROL, LANE CLOSURE" FOR SIGNING DURING LANE CLOSURE WORK
5. SEE SDD "TRAFFIC CONTROL, EXIT RAMP CLOSURE"
6. SEE DETOUR SIGNING DETAILS FOR ADDITIONAL SIGNING AND INFORMATION

LEGEND

- WORK AREA
- SIGN ON PERMANENT SUPPORT
- STAGE 3

N

END ROAD WORK G20-2A 48"X24"

NOTE 3 AND 4

NOTE 5

IH 41 SB OFF-RAMP

NOTE 1

270+00

ARBOR WAY

265+00

260+00

IH 41 NB OFF-RAMP

MALONEY RD

END ROAD WORK G20-2A 48"X24"

IH 41 SB ON-RAMP

IH 41 SB

IH 41 NB

NOTE 2

250+00

NOTE 1

COMPLETE SPLITTER ISLAND CURB & GUTTER AND SIDEWALK DURING STAGE 3

IH 41 NB OFF-RAMP

NOTE 5

245+00

BADGER RD

GERTRUDE ST

240+00

NOTE 3 AND 4

NOTE 2

CTH OO (HYLAND AVE)

END ROAD WORK G20-2A 48"X24"

235+00

STH 55 (DELANGLADE ST)

230+00

WCL RR

BLACKWELL ST

DESNOYER ST

OVIATT ST

CTH J (LAWE ST)

225+00

220+00

CTH OO (HYLAND AVE)

BLDG

215+00

STH 96 (PLANK RD)

210+00

STH 55/96 (LAWE ST)

WCL RD

PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	TRAFFIC CONTROL PLAN - STAGE 3	SHEET 183	E

2

NOTES:

1. TEMPORARY CURB RAMP
2. TEMPORARY PEDESTRIAN SURFACE ASPHALTIC

PROVIDE PEDESTRIAN SIGNAGE IN ACCORDANCE WITH SDD "TRAFFIC CONTROL, PEDESTRIAN ACCOMODATIONS". MAINTAIN PEDESTRIAN ACCOMODATIONS ALONG ONE SIDE OF THE STREET AT ALL TIMES UNTIL ACCOMODATIONS CAN BE PROVIDED VIA PERMANENT SIDEWALK ON THE OTHER SIDE OF THE STREET.

STH 55/96 (LAWE ST)

206+34

WCL RR

210+00

215+00

220+00

MAINTAIN CROSSING ON ONE SIDE AT ALL TIMES

EXISTING WALK ENDS

STH 96 (PLANK RD)

CTH J (LAWE ST)

OVIATT ST

DESNOYER ST

BLACKWELL ST

LEGEND

STAGE 1B WORK AREA

PROPOSED PEDESTRIAN ROUTE-TEMP PEDESTRIAN SURFACE ASPHALTIC ANTICIPATED

PROPOSED PED ROUTE-EXISTING PAVED SURFACE ANTICIPATED

PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	TRAFFIC CONTROL PLAN - STAGE 1B PEDESTRIAN	SHEET E

FILE NAME : F:\TR\JOBS\E1859A08\CIVIL 3D 2012\SHEETSPLAN\46500871_025000_TC_SB1.DWG PLOT DATE : 4/11/2017 1:10 PM PLOT BY : OMNNI ASSOCIATES, INC - JAIRO MAZARIEGOS

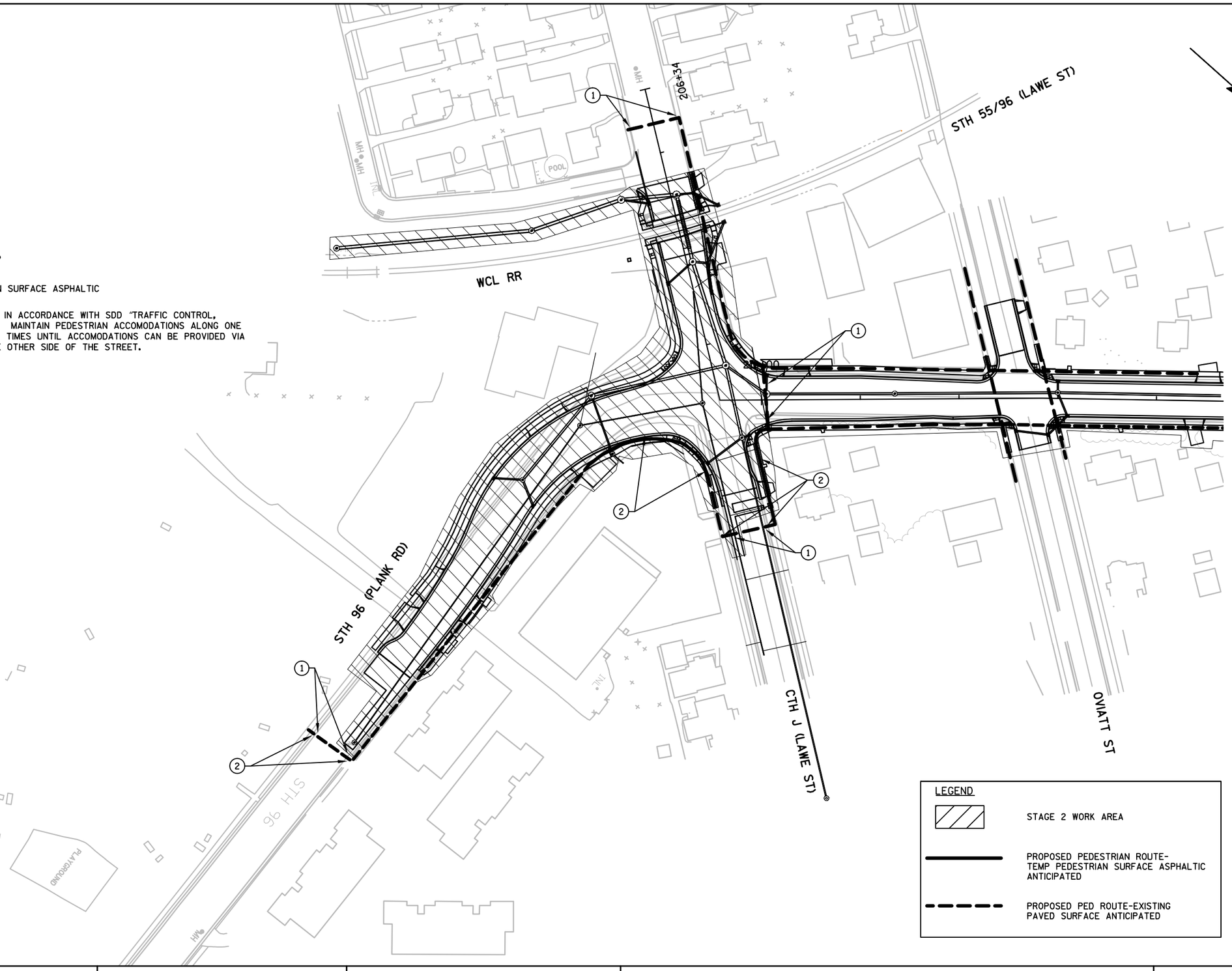
2

NOTES:

1. TEMPORARY CURB RAMP

2. TEMPORARY PEDESTRIAN SURFACE ASPHALTIC

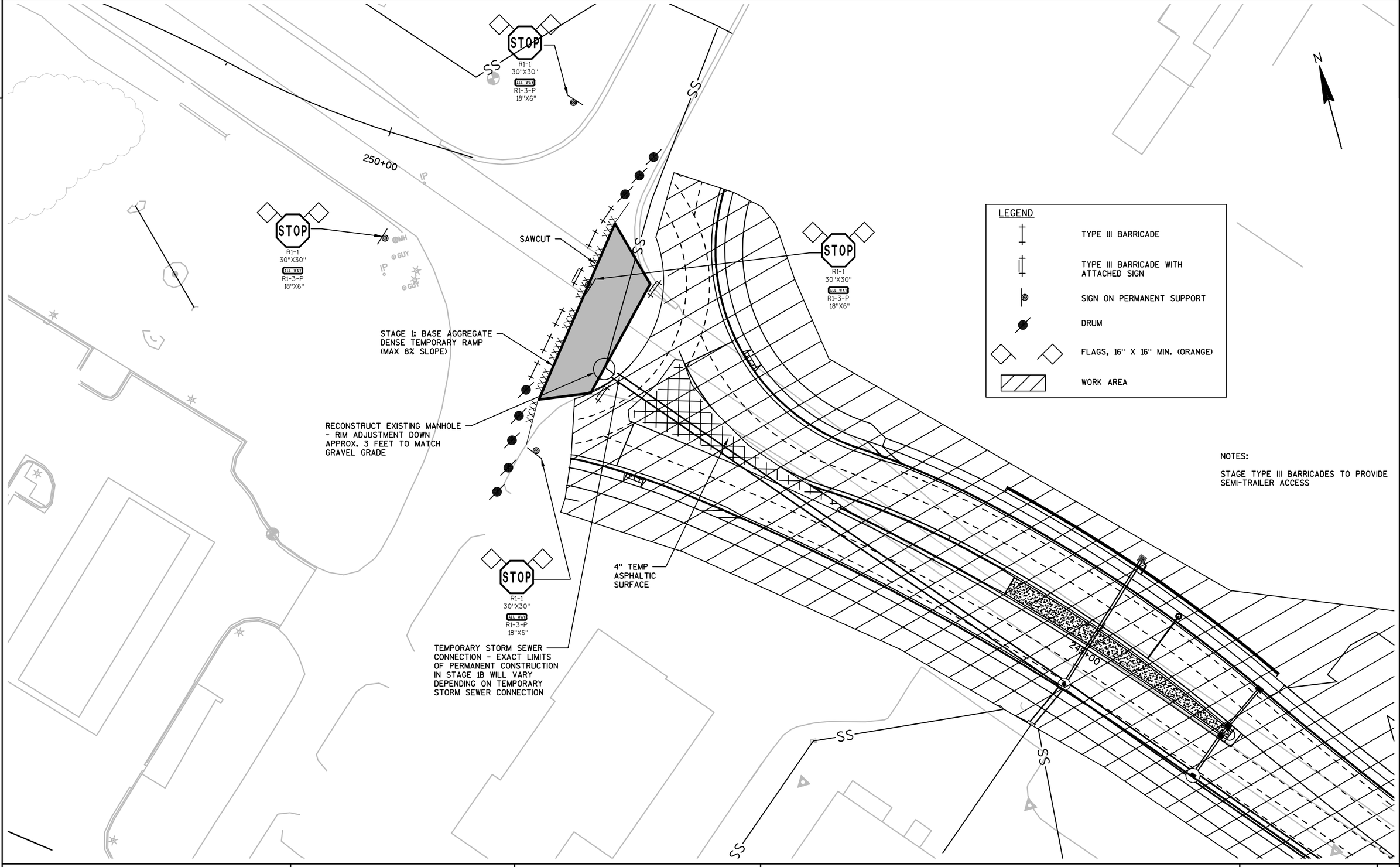
PROVIDE PEDESTRIAN SIGNAGE IN ACCORDANCE WITH SDD "TRAFFIC CONTROL, PEDESTRIAN ACCOMODATIONS". MAINTAIN PEDESTRIAN ACCOMODATIONS ALONG ONE SIDE OF THE STREET AT ALL TIMES UNTIL ACCOMODATIONS CAN BE PROVIDED VIA PERMANENT SIDEWALK ON THE OTHER SIDE OF THE STREET.



PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	TRAFFIC CONTROL PLAN - STAGE 2 PEDESTRIAN	SHEET	E

FILE NAME : F:\TR\JOBS\E1859A08\CIVIL 3D 2012\SHEETSPLAN\46500871_025000_TC_SB2.DWG PLOT DATE : 4/10/2017 4:25 PM PLOT BY : OMNNI ASSOCIATES, INC - JAIRO MAZARIEGOS

2



PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	TRAFFIC CONTROL STAGE 1 - DETAIL 1	SHEET 186	E

2

NOTES:

1. SEE SDD "TRAFFIC CONTROL, SINGLE LANE CLOSURE NON-FREEWAY/EXPRESSWAY" FOR ADDITIONAL SIGNING
2. TRAFFIC CONTROL DRUMS TO BE ADJUSTED AS NEEDED TO PROVIDE ACCESS TO DRIVEWAYS
3. SEE SDD "BARRICADES AND SIGNS FOR MAINLINE CLOSURES" DETAIL B AND DETAIL E

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- SIGN ON PERMANENT SUPPORT
- DRUM
- FLAGS, 16" X 16" MIN. (ORANGE)
- WORK AREA

MAINTAIN EXISTING CROSSWALK

STOP
R1-1
30"X30"
ALL WAY
R1-3-P
18"X6"

NOTE 3

ASPHALTIC SURFACE TEMPORARY

CONNECT 24-INCH STORM SEWER TO EXISTING MANHOLE TO MAINTAIN DRAINAGE (INCIDENTAL)

CONNECT EXISTING 18-INCH STORM SEWER TO MANHOLE 10 TO MAINTAIN DRAINAGE (INCIDENTAL)

SAWING CONCRETE REQUIRED FOR STORM SEWER CONNECTIONS

STH 96 (PLANK RD)

210+00

25' MAX

LANE CLOSED
R11-2-L
48"X30"

DO NOT STOP ON TRACKS
R8-8
24"X30"

200'

W03-1

WCL RR

206+34

125' TAPER

W01-6
48"X24"

REMOVE PAVEMENT MARKING

TEMPORARY PAVEMENT MARKING 4-INCH REMOVABLE TAPE-YELLOW

STH 96 (LAWE ST)

NOTE 1

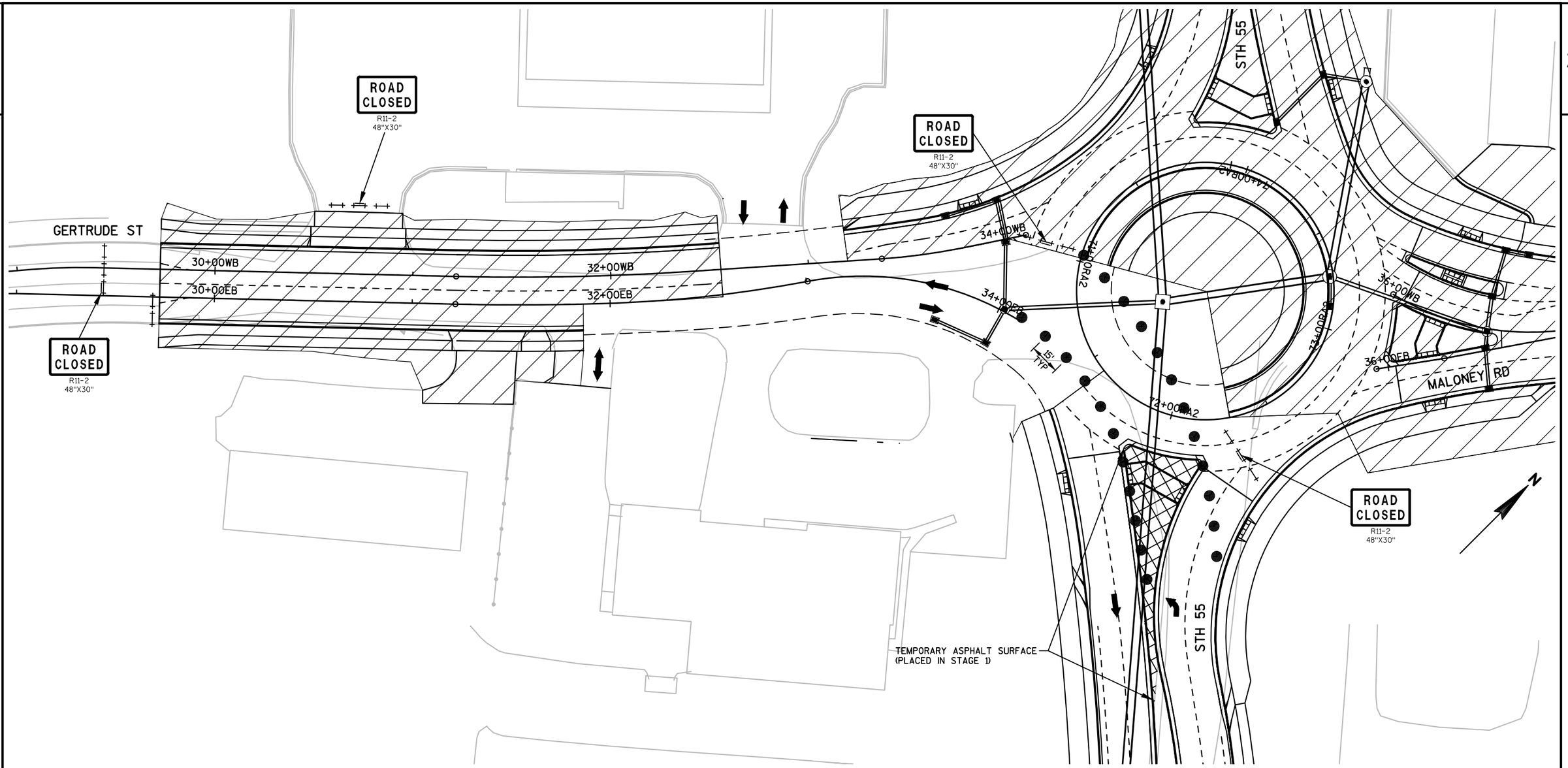
SEYMOUR ST

POOL

N

PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	TRAFFIC CONTROL STAGE 1 - DETAIL 2	SHEET 187	E

2



NOTES:

1 - COMPLETE GRADING, GRAVELING AND STORM SEWER INSTALLATION PRIOR TO PHASE 1 PAVING. SEE SPECIAL PROVISIONS FOR TRAFFIC REQUIREMENTS.

2 - PLATE STORM SEWER STRUCTURES TO ACCOMODATE TRAFFIC.

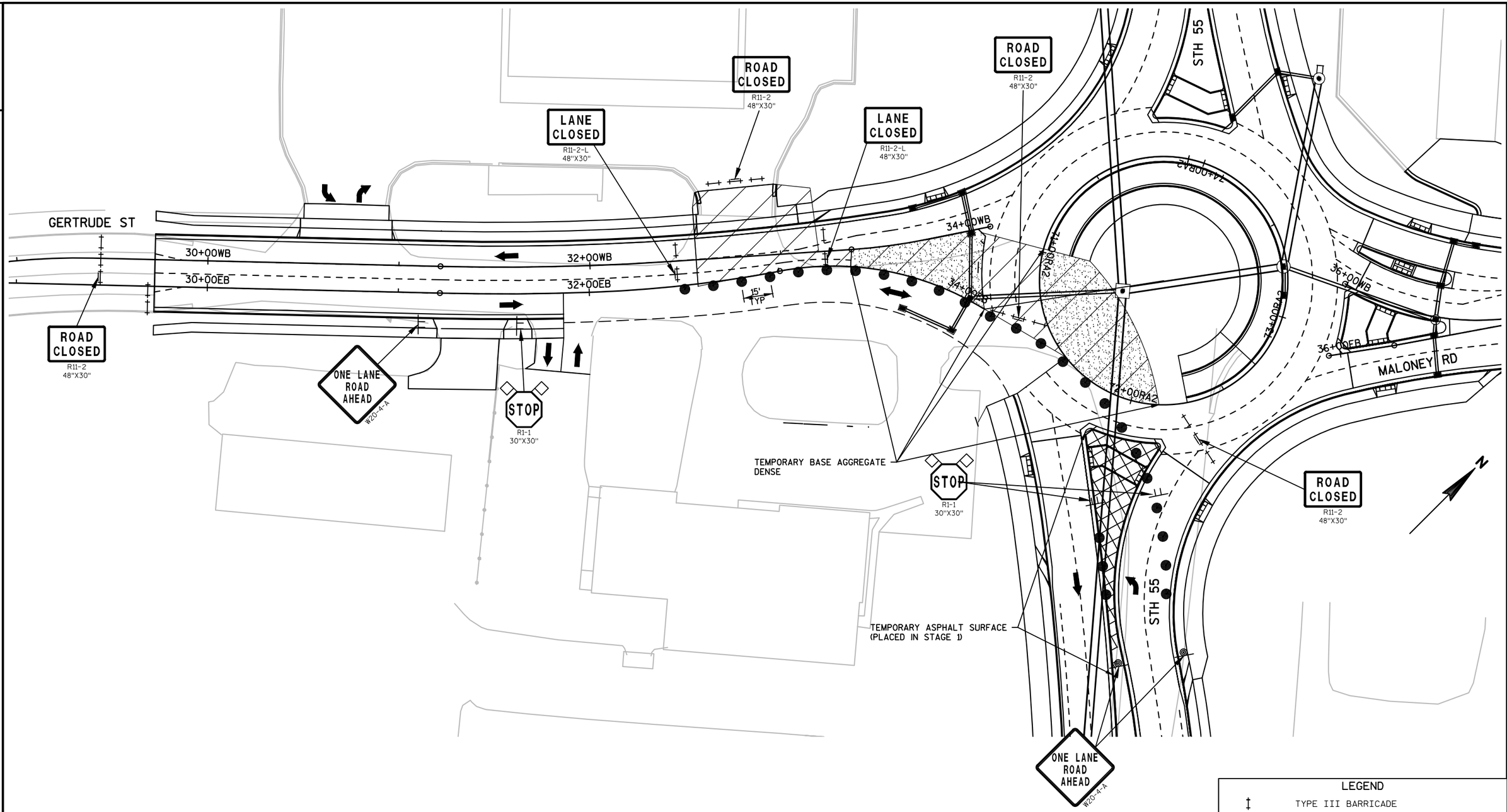
3 - PROVIDE BASE AGGREGATE DENSE RAMPS WITH A MAXIMUM OF 8% SLOPE TO TRANSITION TRAFFIC BETWEEN NEW GRAVELED AREAS AND NEW PAVEMENT.

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- SIGN ON TEMPORARY SUPPORT
- DIRECTION OF TRAFFIC
- FLAGS 16" X 16" MINIMUM
- WORK AREA

PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	TRAFFIC CONTROL - STAGE 3 PHASE 1 (PAVING)	SHEET 188 E

2



NOTES:

1 - COMPLETE GRADING, GRAVELING AND STORM SEWER INSTALLATION PRIOR TO PHASE 1 PAVING. SEE SPECIAL PROVISIONS FOR TRAFFIC REQUIREMENTS.

2 - PLATE STORM SEWER STRUCTURES TO ACCOMODATE TRAFFIC.

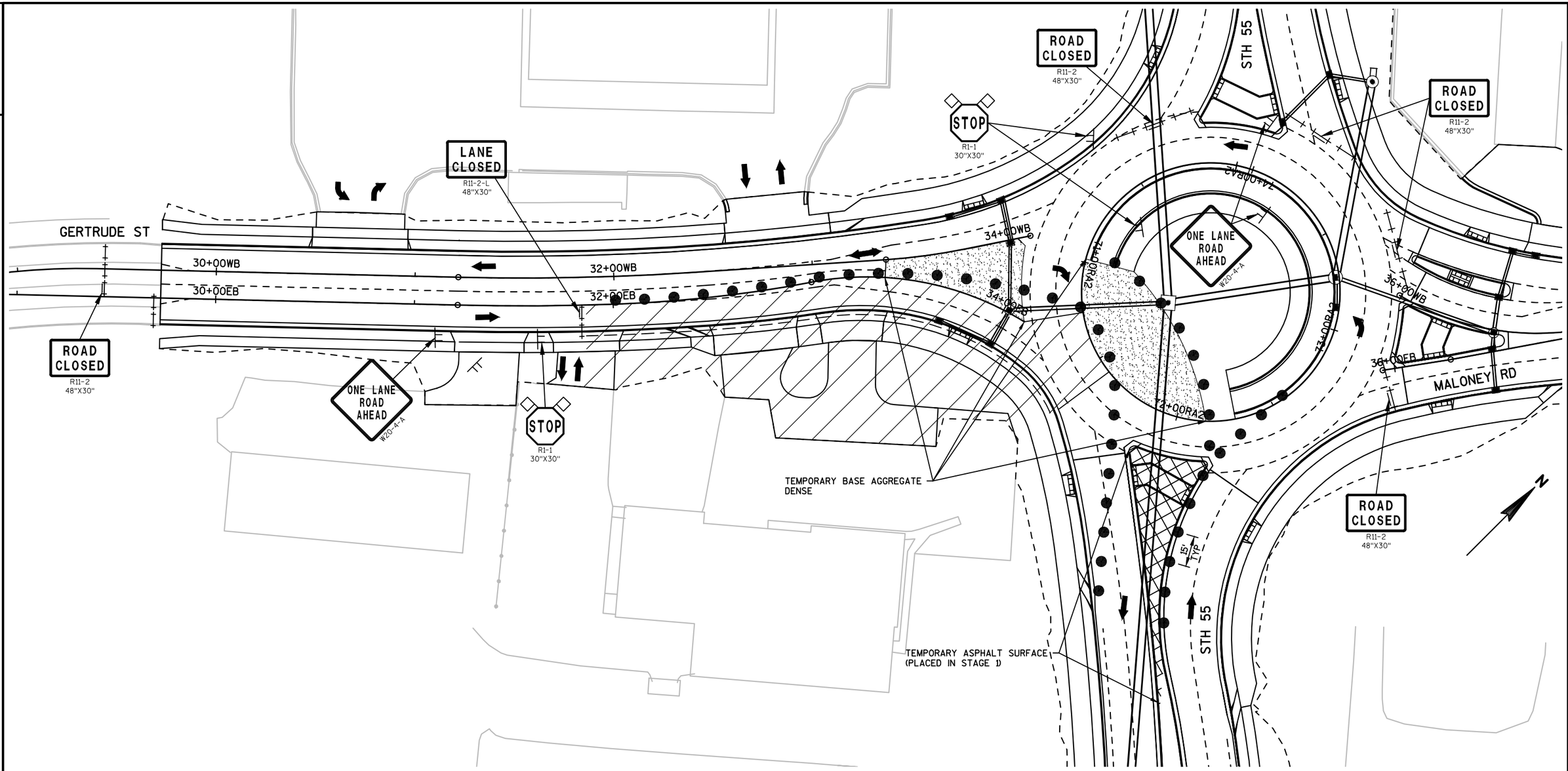
3 - PROVIDE BASE AGGREGATE DENSE RAMPS WITH A MAXIMUM OF 8% SLOPE TO TRANSITION TRAFFIC BETWEEN NEW GRAVELED AREAS AND NEW PAVEMENT.

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- SIGN ON TEMPORARY SUPPORT
- DIRECTION OF TRAFFIC
- FLAGS 16" X 16" MINIMUM
- WORK AREA

PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	TRAFFIC CONTROL - STAGE 3 PHASE 2 (PAVING)	SHEET 189	E

2



NOTES:

1 - COMPLETE GRADING, GRAVELING AND STORM SEWER INSTALLATION PRIOR TO PHASE 1 PAVING. SEE SPECIAL PROVISIONS FOR TRAFFIC REQUIREMENTS.

2 - PLATE STORM SEWER STRUCTURES TO ACCOMODATE TRAFFIC.

3 - PROVIDE BASE AGGREGATE DENSE RAMPS WITH A MAXIMUM OF 8% SLOPE TO TRANSITION TRAFFIC BETWEEN NEW GRAVELED AREAS AND NEW PAVEMENT.

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- SIGN ON TEMPORARY SUPPORT
- DIRECTION OF TRAFFIC
- FLAGS 16" X 16" MINIMUM
- WORK AREA

PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	TRAFFIC CONTROL - STAGE 3 PHASE 3 (PAVING)	SHEET 190	E

LEGEND

- (X) SIGN NUMBER, REFER TO MISCELLANEOUS QUANTITY SHEET
- ▲ PCMS (X) PORTABLE CHANGEABLE MESSAGE SIGN
- SIGN MOUNTED ON TYPE III BARRICADE
- POST MOUNTED SIGN

N

DETAIL 2
SEE SHEET 2 OF 9

DETAIL 3
SEE SHEET 3 OF 9

DETAIL 1
SEE SHEET 2 OF 9

WEYERS RD
MALONEY RD
ROSE HILL RD
EDGEWOOD DR
DELANGLADE ST
GERTRUDE ST
BADGER RD
WALNUT ST
LANE ST
HYLAND AVE
PLANK RD

WORK ZONE
STAGE 1

HWY 55 CLOSED
½ MILE SOUTH OF 41
LOCAL ACCESS ONLY
USE HWY J EXIT

ROAD CLOSED
2 1/2 MILES AHEAD
LOCAL TRAFFIC ONLY
R11-3
60" X 30"

ROAD CLOSED
1 1/4 MILES AHEAD
LOCAL TRAFFIC ONLY
R11-3
60" X 30"

ROAD CLOSED
1 MILES AHEAD
LOCAL TRAFFIC ONLY
R11-3
60" X 30"

ROAD CLOSED
1/4 MILES AHEAD
LOCAL TRAFFIC ONLY
R11-3
60" X 30"

DETOUR AHEAD
W20-2A
48" X 48"

Wrightstown
Seymour
Green Bay
D1-3
COVER

ONLY
R3-5L
COVER

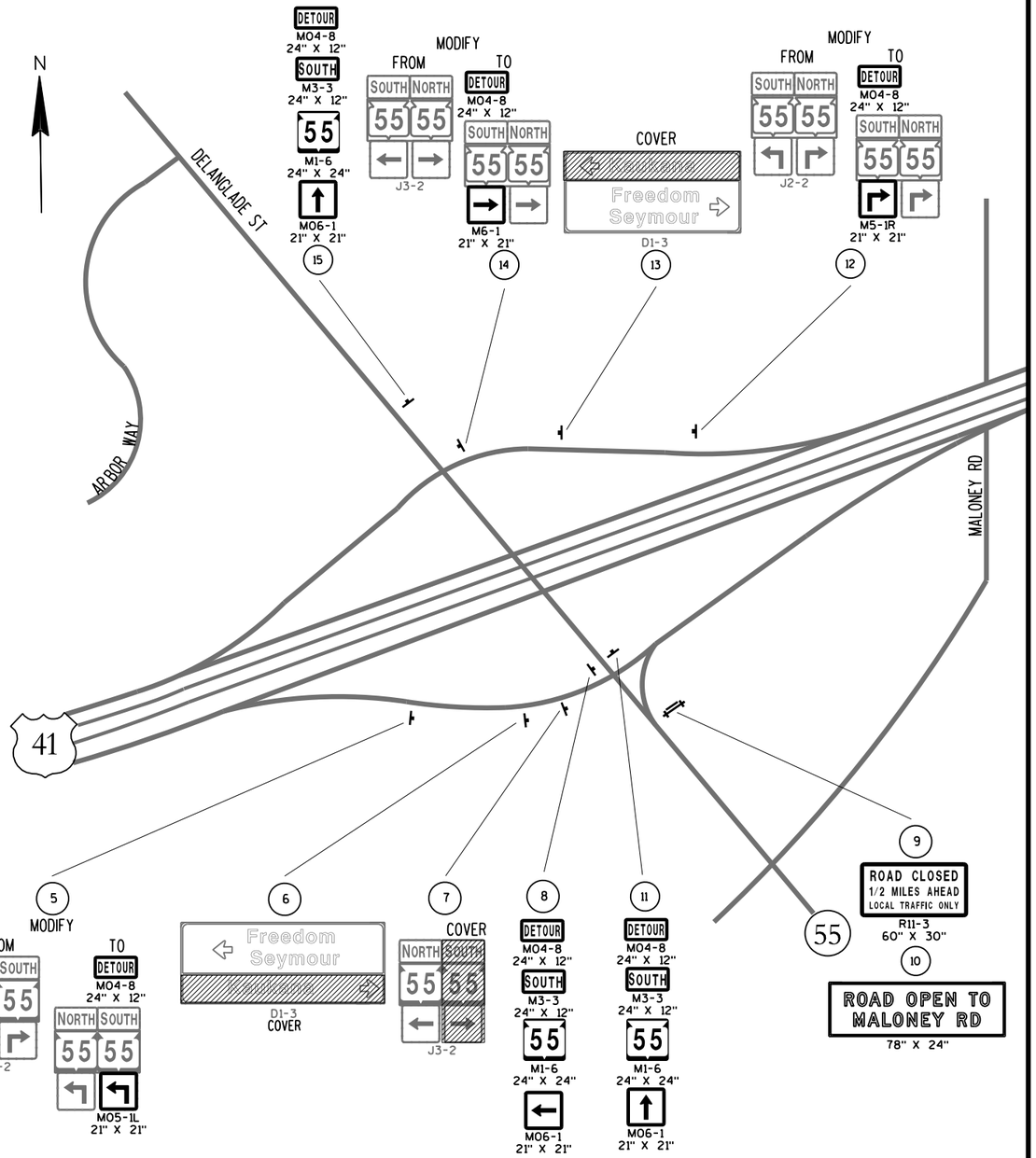
J2-1
COVER

SHEET 1 OF 9

PLAN SHEET PRODUCED
BY WisDOT-NE REGION

PROJECT NO: 4650-08-71	HWY: STH 55/STH 96	COUNTY: OUTAGAMIE	DETOUR SIGNING DETAIL-STAGE 1	SHEET	E

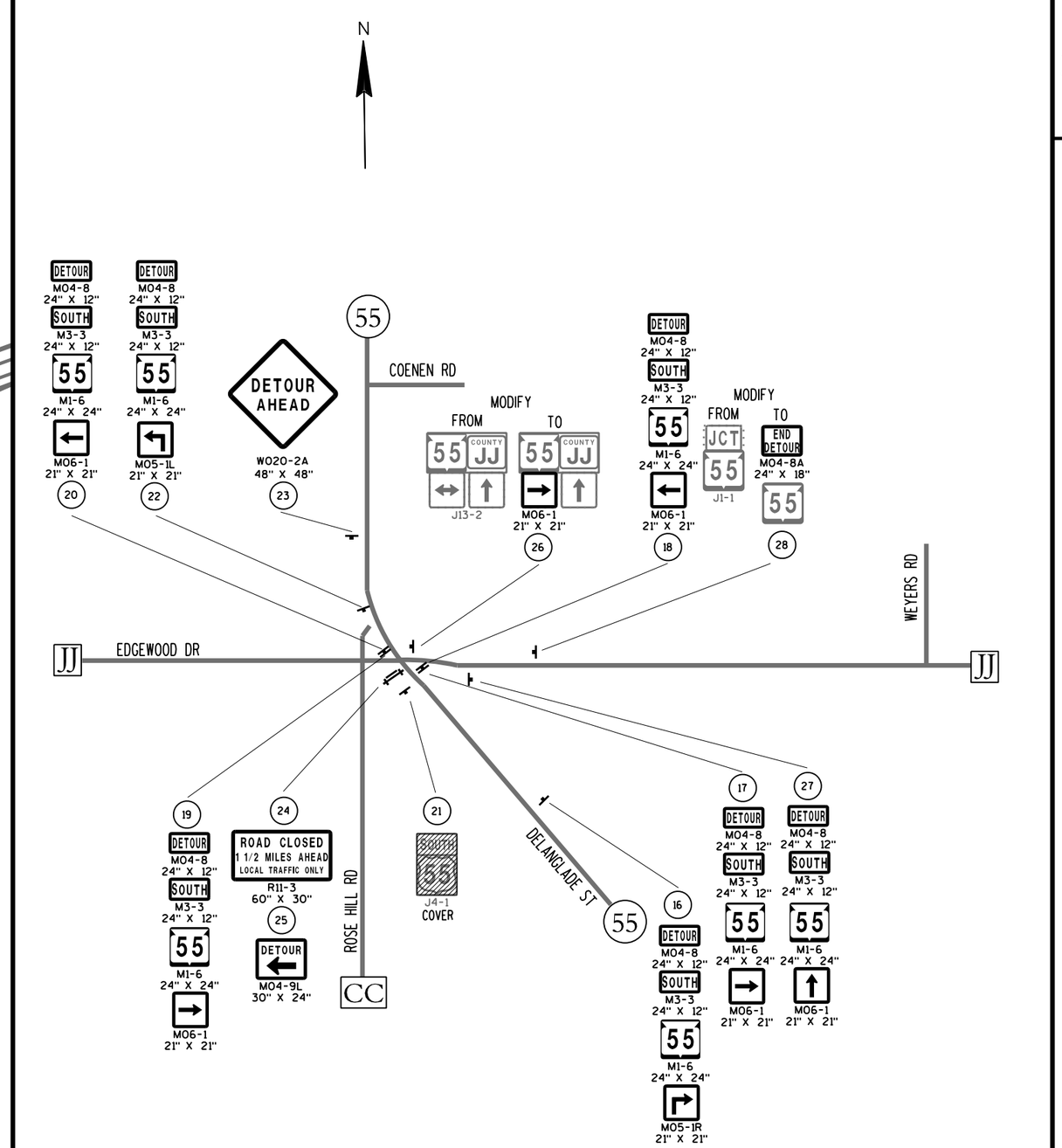
FILE NAME : N:\spo\traffic\A Work Zone\Detours\Outagamie County\STH 55\Lawe St - US 41\027001_dt.dgn
PLOT DATE : 26-JUN-2017 10:49
PLOT BY : dotjlf
PLOT NAME :
PLOT SCALE : 400:1
WISDOT/CADDS SHEET 42



LEGEND

- (X) SIGN NUMBER. REFER TO MISCELLANEOUS QUANTITY SHEET
- ▲ PCMS (X) PORTABLE CHANGEABLE MESSAGE SIGN
- SIGN MOUNTED ON TYPE III BARRICADE
- POST MOUNTED SIGN

DETAIL 1



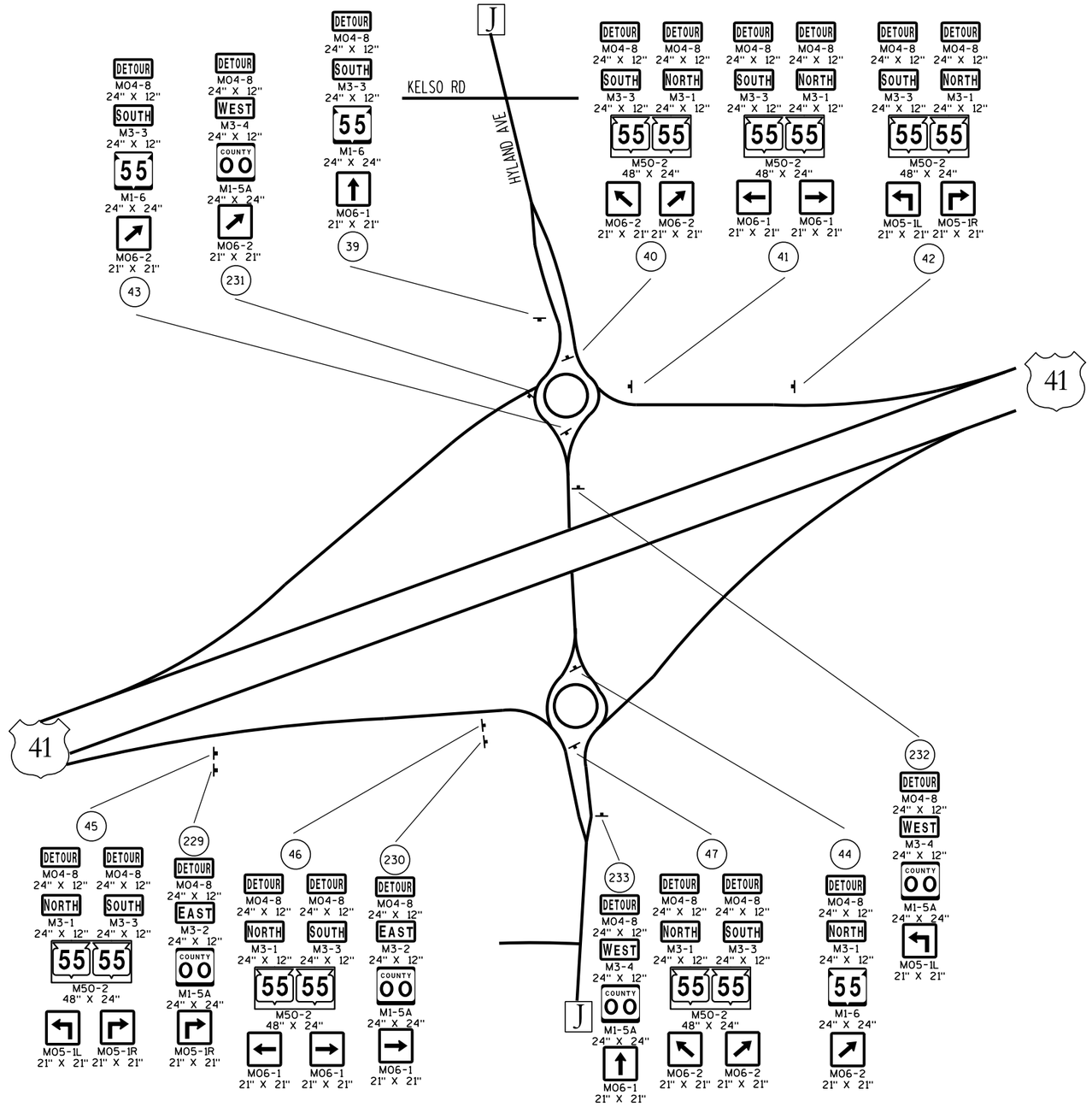
DETAIL 2

SHEET 2 OF 9

PLAN SHEET PRODUCED BY WisDOT-NE REGION

PROJECT NO: 4650-08-71	HWY: STH 55/STH 96	COUNTY: OUTAGAMIE	DETOUR SIGNING DETAIL-STAGE 1	SHEET	E

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



LEGEND

- (X) SIGN NUMBER. REFER TO MISCELLANEOUS QUANTITY SHEET
- ▲ PCMS (X) PORTABLE CHANGEABLE MESSAGE SIGN
- SIGN MOUNTED ON TYPE III BARRICADE
- POST MOUNTED SIGN

DETAIL 3

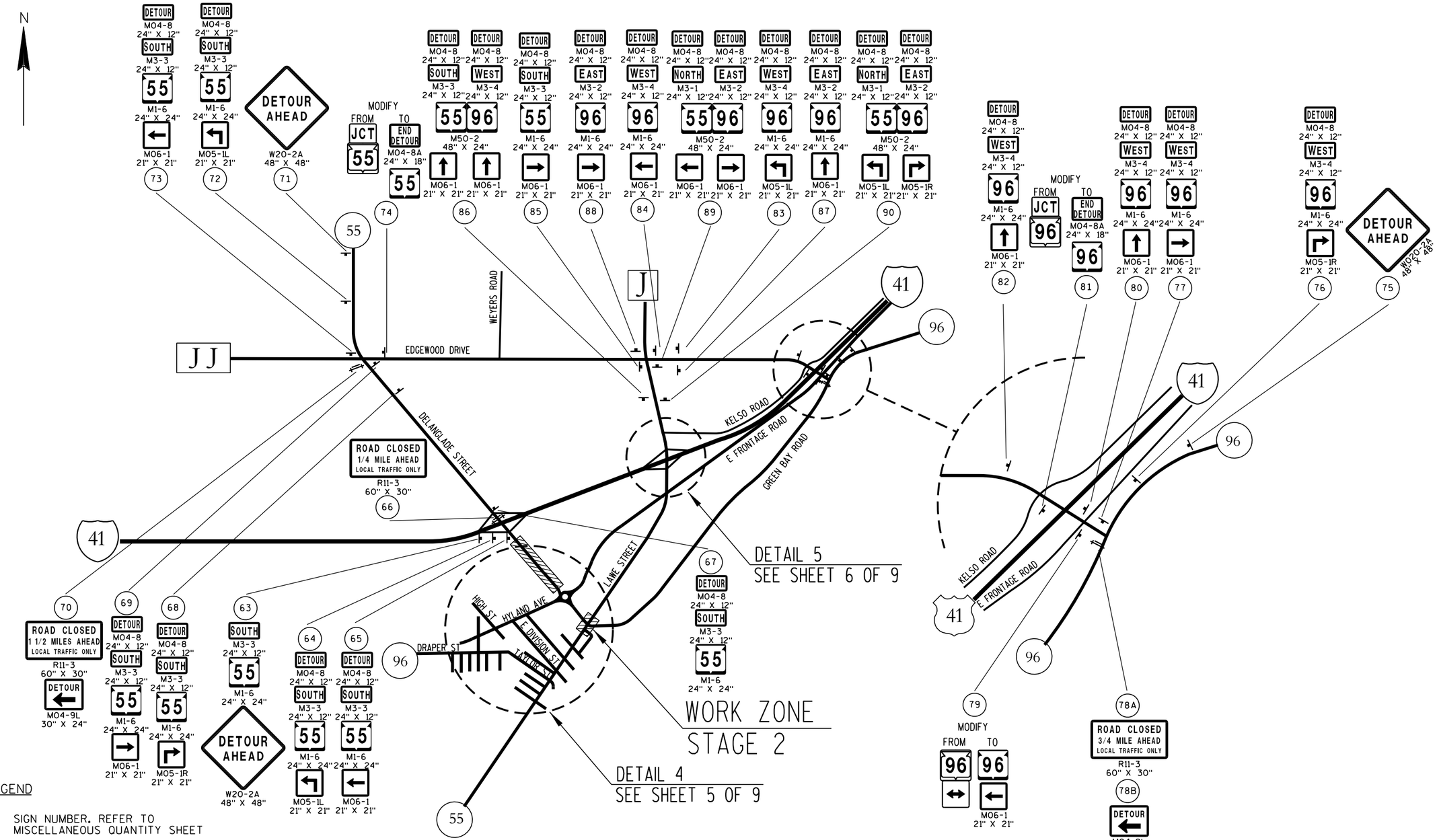
SHEET 3 OF 9

PLAN SHEET PRODUCED BY WisDOT-NE REGION

PROJECT NO: 4650-08-71	HWY: STH 55/STH 96	COUNTY: OUTAGAMIE	DETOUR SIGNING DETAIL-STAGE 1	SHEET 193	E

FILE NAME : N:\spo\traffic\A Work Zone\Detours\Outagamie County\STH 55\Lawe St - US 41\027003_dt.dgn PLOT DATE : 13-MAR-2017 10:03 PLOT BY : dotjlf PLOT NAME : PLOT SCALE : 200:1

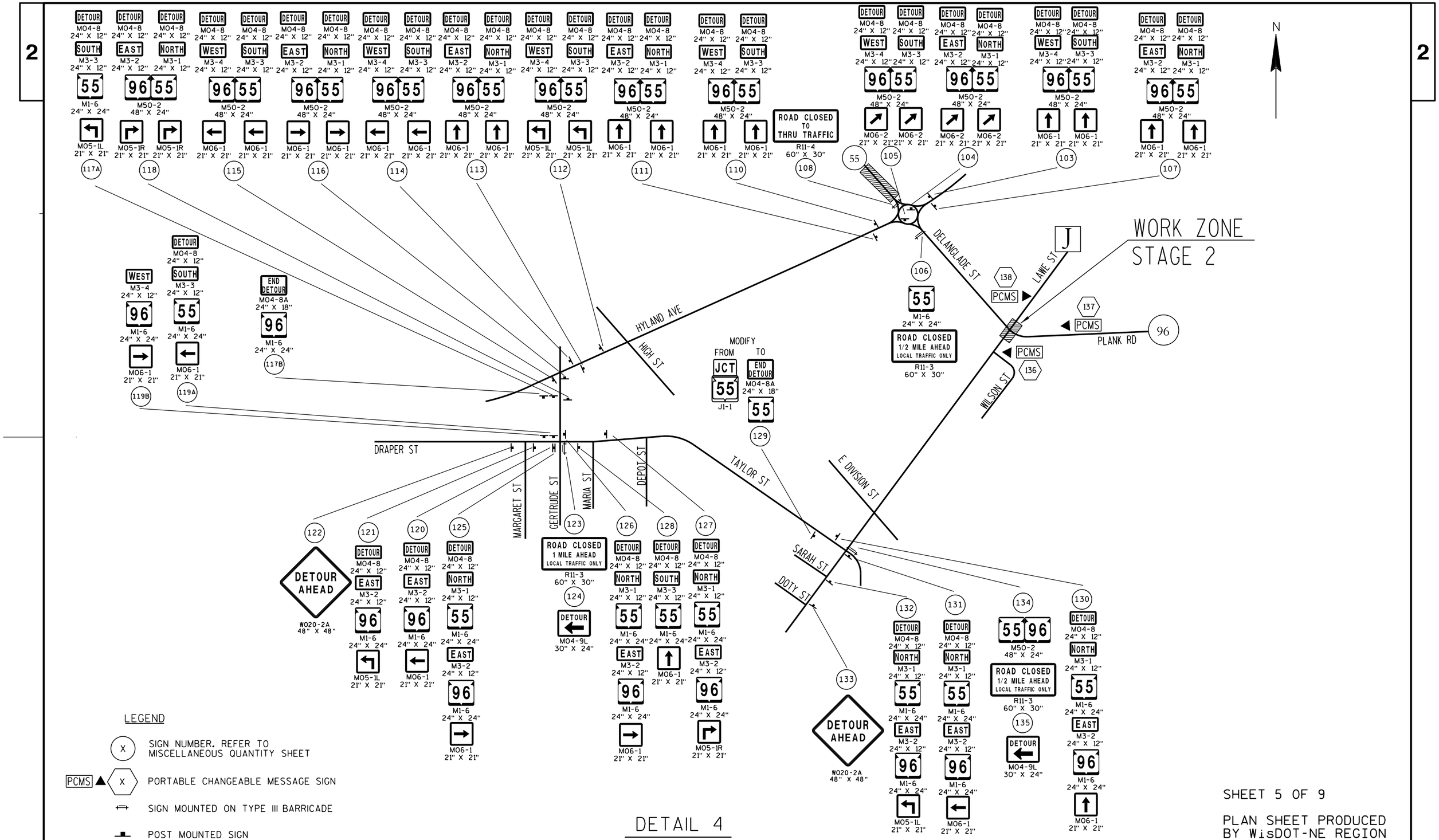
WISDOT/CADDS SHEET 42



SHEET 4 OF 9

PLAN SHEET PRODUCED BY WisDOT-NE REGION

PROJECT NO: 4650-08-71	HWY: STH 55/STH 96	COUNTY: OUTAGAMIE	DETOUR SIGNING DETAIL-STAGE 2	SHEET 194 E



LEGEND

- (X) SIGN NUMBER. REFER TO MISCELLANEOUS QUANTITY SHEET
- PCMS ▲ (X) PORTABLE CHANGEABLE MESSAGE SIGN
- SIGN MOUNTED ON TYPE III BARRICADE
- POST MOUNTED SIGN

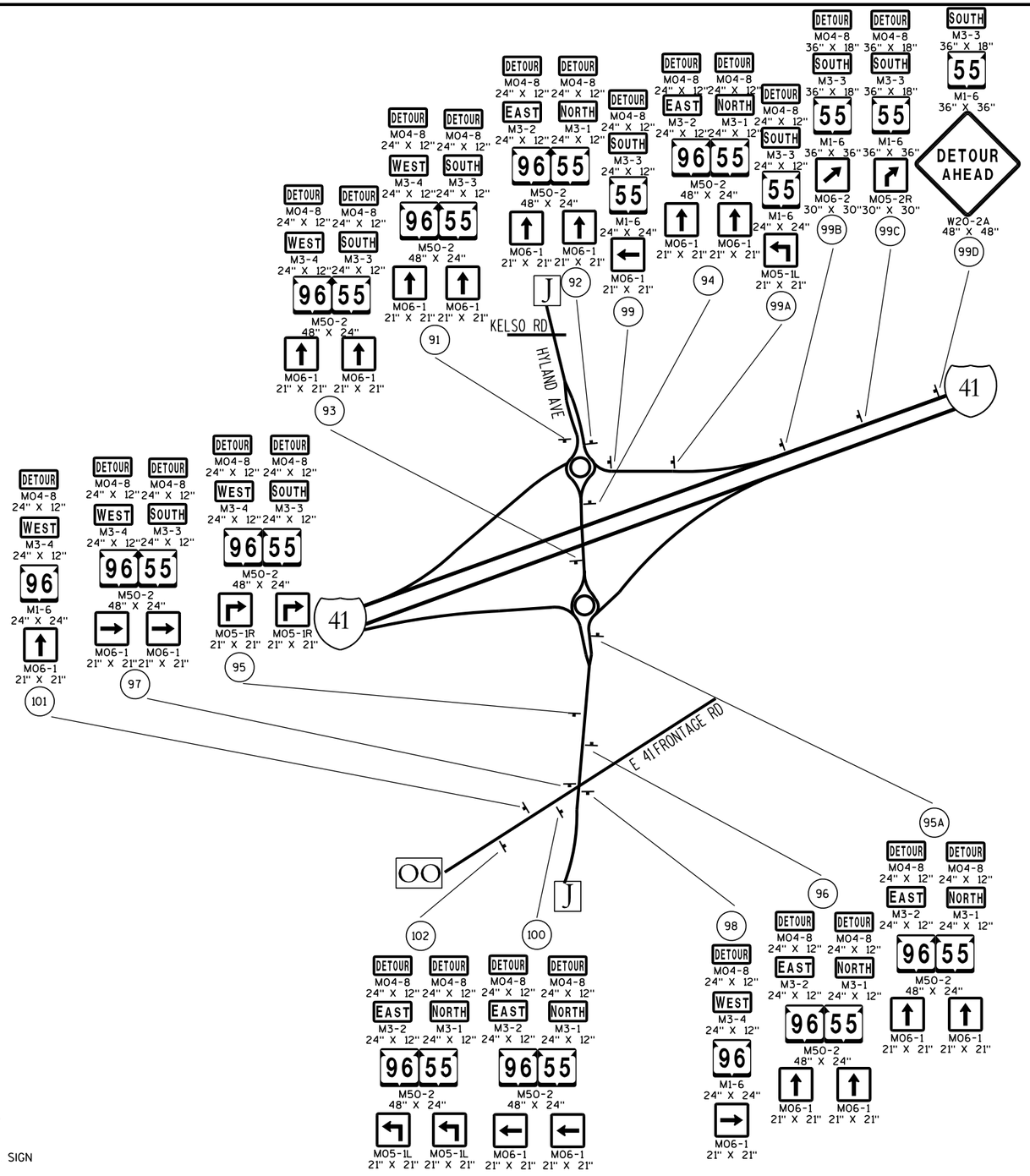
DETAIL 4

SHEET 5 OF 9

PLAN SHEET PRODUCED BY WisDOT-NE REGION

PROJECT NO: 4650-08-71	HWY: STH 55/STH 96	COUNTY: OUTAGAMIE	DETOUR SIGNING DETAIL-STAGE 2	SHEET	E

FILE NAME : N:\spo\traffic\A Work Zone\Detours\Outagamie County\STH 55\Lawe St - US 41\027005_dt.dgn PLOT DATE : 13-MAR-2017 10:03 PLOT BY : dotjlf PLOT NAME : PLOT SCALE : 90:1
WISDOT/CADDS SHEET 42



LEGEND

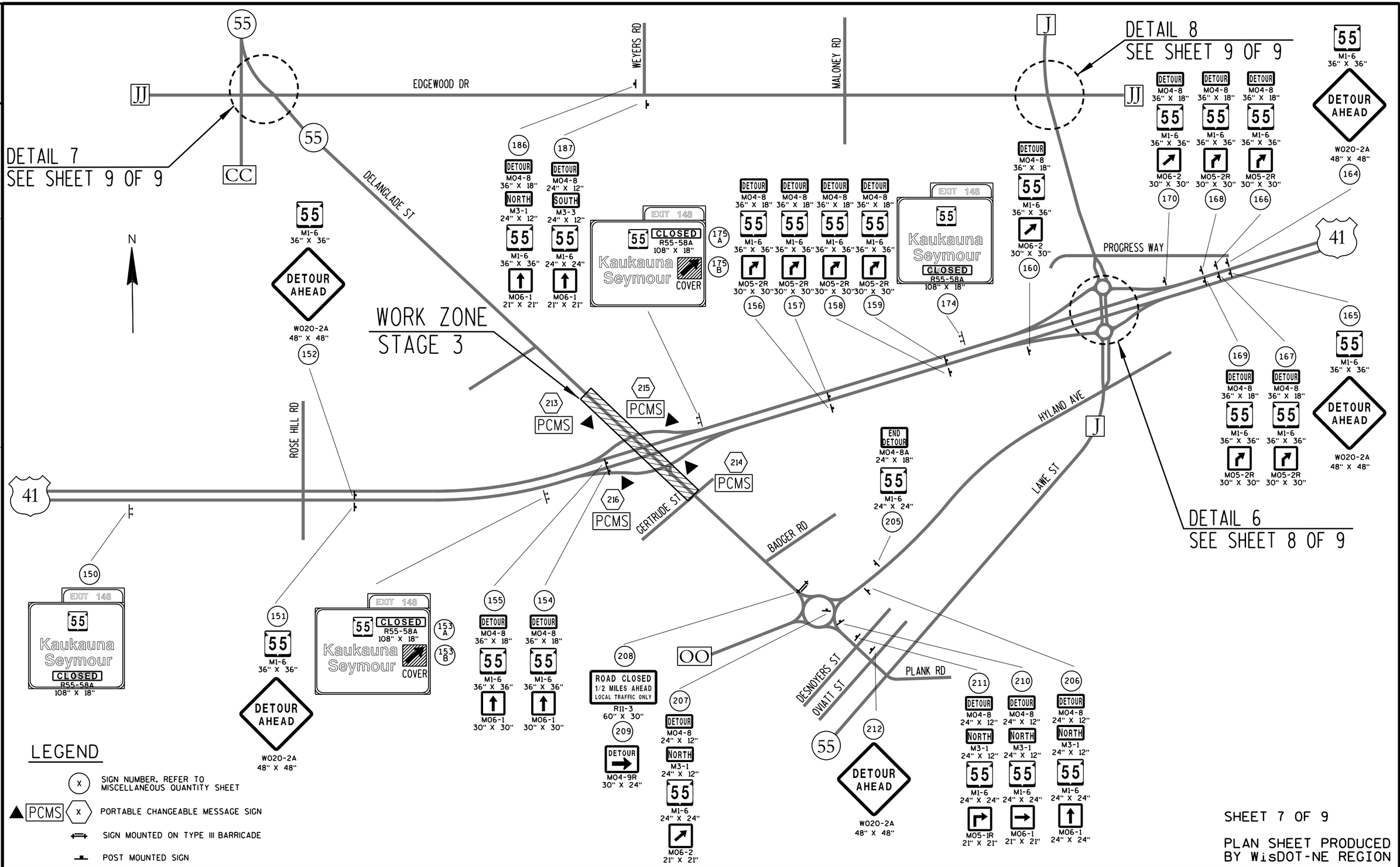
- (X) SIGN NUMBER. REFER TO MISCELLANEOUS QUANTITY SHEET
- ▲ PCMS (X) PORTABLE CHANGEABLE MESSAGE SIGN
- SIGN MOUNTED ON TYPE III BARRICADE
- POST MOUNTED SIGN

DETAIL 5

SHEET 6 OF 9

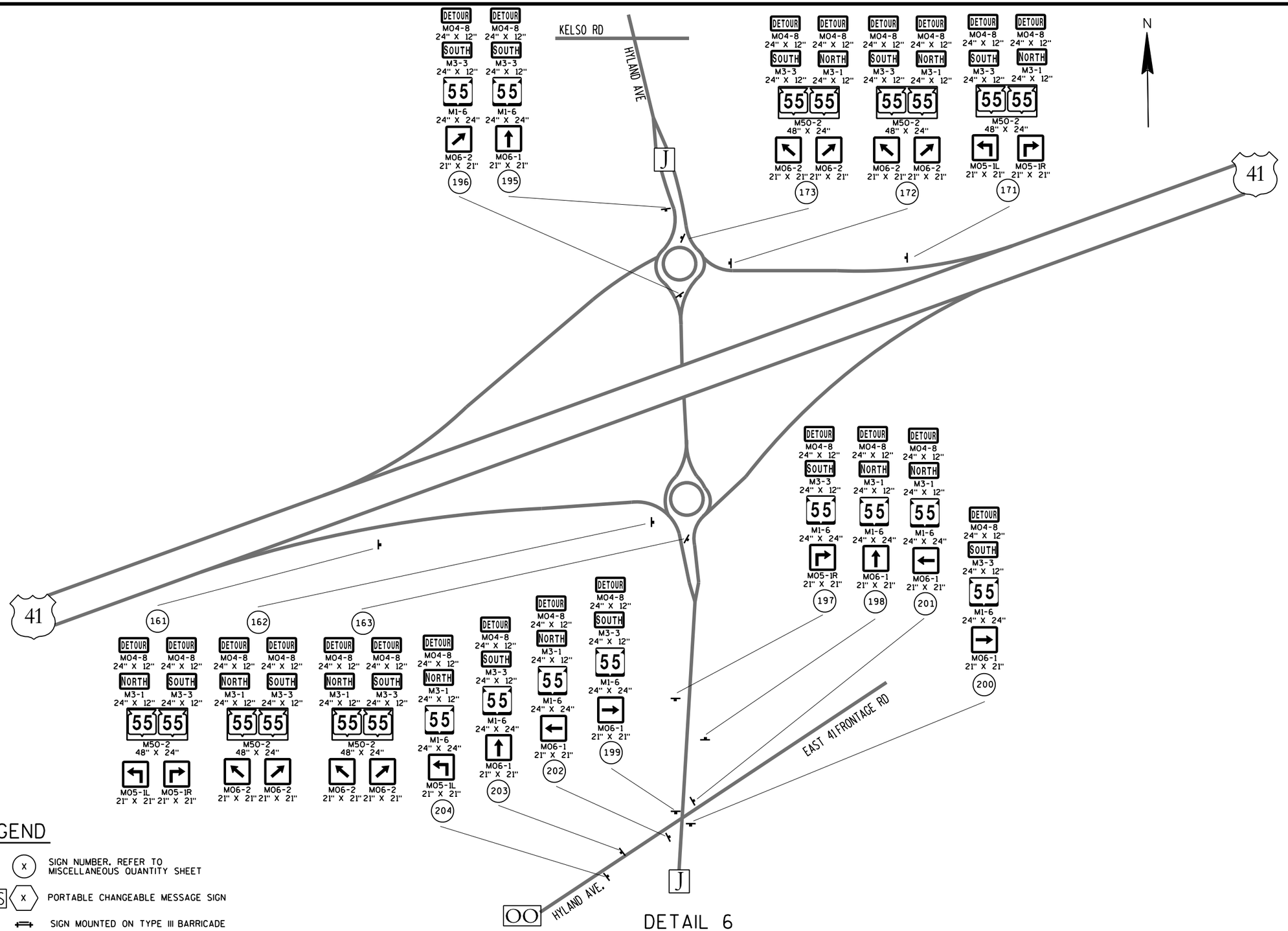
PLAN SHEET PRODUCED BY WisDOT-NE REGION

PROJECT NO: 4650-08-71	HWY: STH 55/STH 96	COUNTY: OUTAGAMIE	DETOUR SIGNING DETAIL-STAGE 2	SHEET 196	E



PROJECT NO: 4650-08-71	HWY: STH 55/STH 96	COUNTY: OUTAGAMIE	DETOUR SIGNING DETAIL-STAGE 3	SHEET	E

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



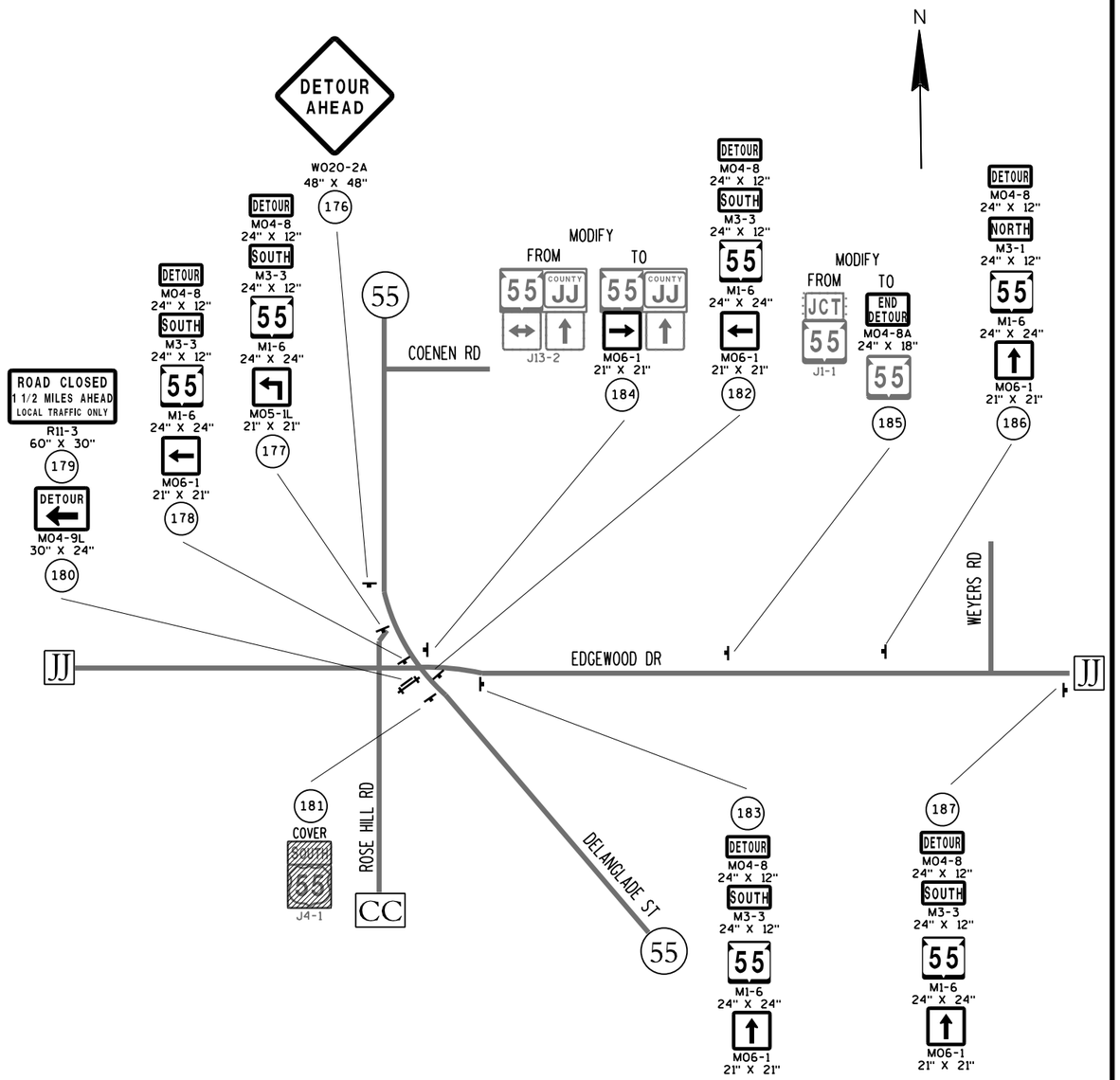
DETAIL 6

SHEET 8 OF 9

PLAN SHEET PRODUCED BY WisDOT-NE REGION

PROJECT NO: 4650-08-71	HWY: STH 55/STH 96	COUNTY: OUTAGAMIE	DETOUR SIGNING DETAIL-STAGE 3	SHEET 198	E

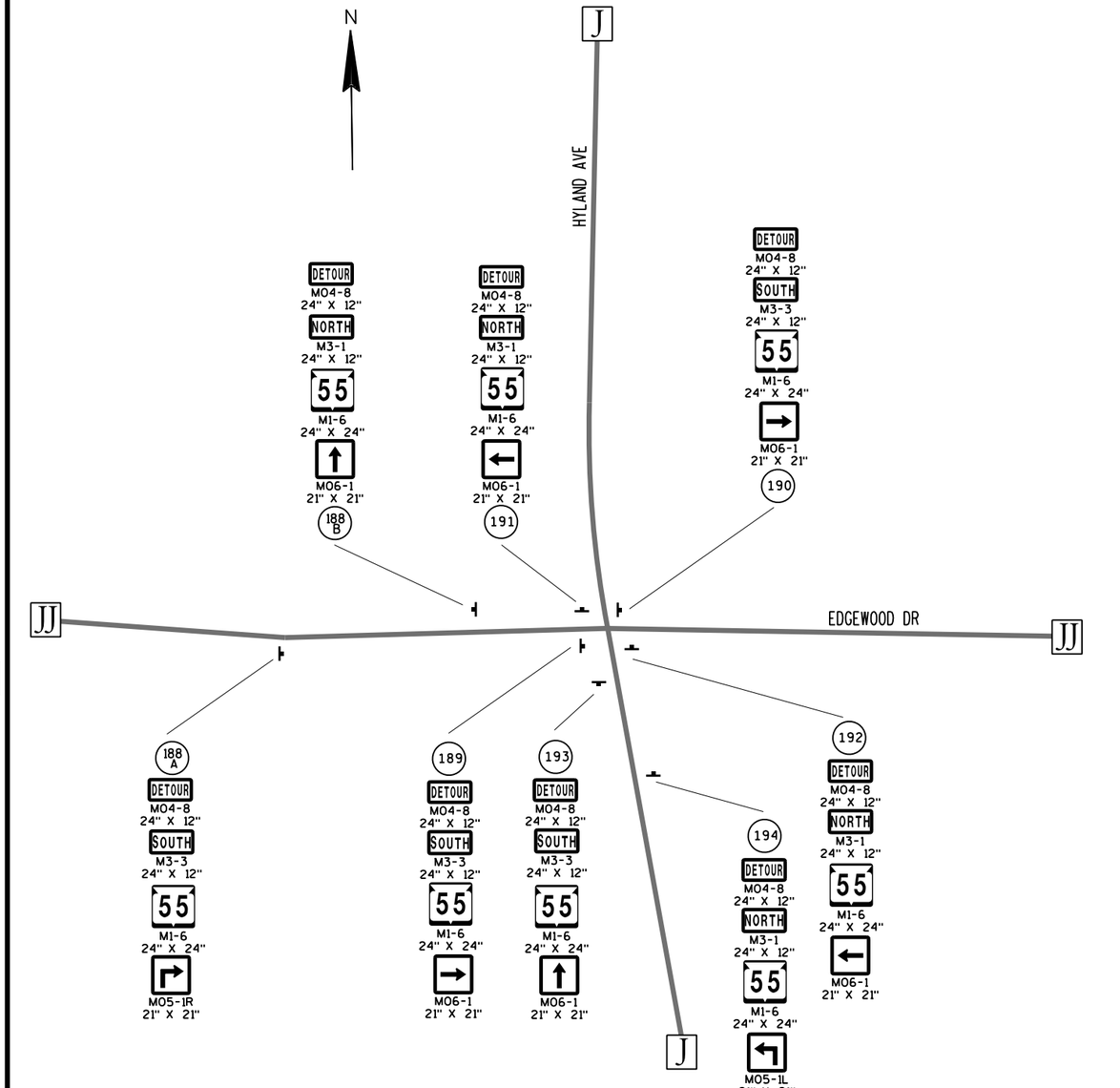
FILE NAME : $$....designfile....$$ PLOT DATE : $$...plottingdate...$$ PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$



LEGEND

- (X) SIGN NUMBER, REFER TO MISCELLANEOUS QUANTITY SHEET
- ▲ PCMS (X) PORTABLE CHANGEABLE MESSAGE SIGN
- SIGN MOUNTED ON TYPE III BARRICADE
- POST MOUNTED SIGN

DETAIL 7



DETAIL 8

SHEET 9 OF 9

PLAN SHEET PRODUCED BY WisDOT-NE REGION

PROJECT NO: 4650-08-71	HWY: STH 55/STH 96	COUNTY: OUTAGAMIE	DETOUR SIGNING DETAIL-STAGE 3	SHEET E

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

2

2

N

EXISTING FENCE
+75.28'DD'
-47.16' LT

+75.29'DD'
-60.49' LT

+00.08'DD'
-55.78' LT

PROPOSED FENCE
3-FT INSIDE R/W
(TYP)

+99.96'DD'
-56.21' LT

+74.93'DD'
-57.68' LT

+99.77'DD'
-57.06' LT

SLOPE INTERCEPT
(TYP)

+75.00'DD'
-68.26' LT

+33.59'DD'
-58.01' LT

EXIST R/W

R/W

1105'DD'

1110'DD'

IH 41 SOUTHBOUND

MATCH LINE

INL

INL

IH 41 NORTHBOUND

NB OFF-RAMP

1105'AA'

1110'AA'

EXIST R/W

EXISTING FENCE

EXISTING FENCE
+76.90'AA'
47.61' RT

R/W

+99.63'AA'
64.53' RT

+34.68'AA'
69.73' RT

+50.04'AA'
68.66' RT

PROPOSED FENCE
3-FT INSIDE R/W
(TYP)

+02.64'AA'
74.18' RT

SLOPE INTERCEPT
(TYP)

PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	FENCING	SHEET 200	E

2

2

MATCH LINE

IH 41 SOUTHBOUND

IH 41 NORTHBOUND

STH 55

SB ON-RAMP

SB OFF-RAMP

NB OFF-RAMP

NB "ON-RAMP

REMOVE EXISTING FENCE

FENCE END
+74.13'DD'
-133.99' LT

REMOVE EXISTING
FENCE

+43.32'DD'
-83.99' LT

+51.73'DD'
-83.83' LT

SLOPE INTERCEPT
(TYP)

PROPOSED FENCE
3-FT INSIDE R/W
(TYP)

+87.38'DD'
-87.97' LT

1122'DD'

1120'DD'

1124'CA'

FENCE END
+00'CA'±
-49.70' LT

1126'CA'

"TILE

EXISTING FENCE

EXIST R/W

N

1120'AA'

+64.42'AA'
71.08' RT

R/W

PROPOSED FENCE
3-FT INSIDE R/W
(TYP)

SLOPE INTERCEPT
(TYP)

+92.07'AA'
80.88' RT

1122'AB'

REMOVE EXISTING
FENCE

+75.14'AB'
69.42' RT

1124'AB'

+98.29'AB'
74.09' RT

FENCE END
+76.16'AB', 72.12' RT

1200'BB'

REMOVE EXISTING
FENCE

EXISTING R/W

FENCE END
+50.00'BB'
29.82' RT

PROPOSED FENCE
18.5-FT INSIDE R/W

EXISTING FENCE
+49.52'BB'
48.35' RT

PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	FENCING	SHEET 201	E

FILE NAME : F:\TR\JOBS\E1859A08\CIVIL 3D 2012\SHEETSPLAN\46500871_027100_FN.DWG
46500871_027102_fn

PLOT DATE : 3/27/2017 8:38 AM PLOT BY : OMNNI ASSOCIATES, INC - CRAIG KNUTH

WISDOT/CADDS SHEET 42

2

PI 'J' STA = 100+00.00
Y = 572352.516
X = 865733.591

POL 'J' STA = 101+50.00
Y = 572474.984
X = 865820.204

POL 'NB' STA = 207+00.00
Y = 572138.877
X = 865580.293

PI 'NB' STA = 209+57.85
Y = 572349.733
X = 865728.705

PI 'NB' STA = 212+84.92
Y = 572594.047
X = 865511.248

PI 'WB' STA = 311+28.44
Y = 572243.391
X = 865845.448
DELTA = 058°59'30.8"
D = 030°18'54.8"
T = 106.91'
L = 194.59'
R = 189.00'
PC 'WB' STA = 310+21.53
Y = 572323.252
X = 865774.365
PT 'WB' STA = 312+16.12
Y = 572263.174
X = 865950.515
BK = S41° 40' 17.2"E
AH = N79° 20' 12.1"E

PI 'WB' STA = 312+98.65
Y = 572278.443
X = 866031.612
DELTA = 007°52'04.5"
D = 004°46'28.7"
T = 82.52'
L = 164.79'
R = 1200.00'
PC 'WB' STA = 312+16.12
Y = 572263.174
X = 865950.515
PT 'WB' STA = 313+80.91
Y = 572282.468
X = 866114.036
BK = N79° 20' 12.1"E
AH = N87° 12' 16.6"E

STH 96 - PLANK ROAD ('PL'): STA 309+61.60
CTH J - LAWE STREET ('J'): STA 100+00.00

STH 96 - PLANK ROAD ('PL'): STA 314+09.81
STH 96 - PLANK RD ('WB'): STA 314+09.81

PI 'PL' STA = 309+59.14
Y = 572354.353
X = 865731.957

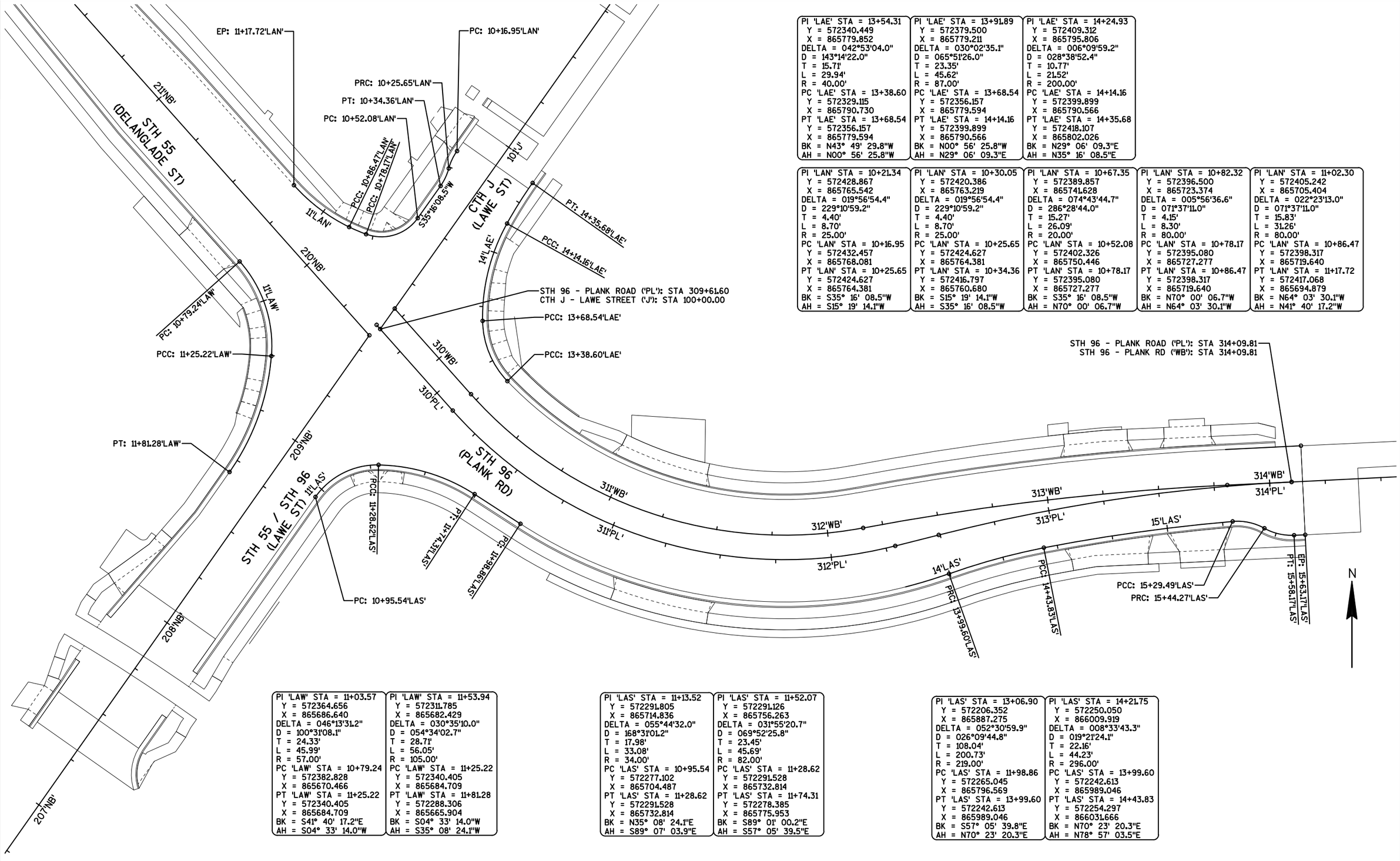
PI 'PL' STA = 311+32.21
Y = 572225.073
X = 865847.025
DELTA = 062°37'04.8"
D = 028°38'52.4"
T = 121.64'
L = 218.58'
R = 200.00'
PC 'PL' STA = 310+10.57
Y = 572315.938
X = 865766.149
PT 'PL' STA = 312+29.15
Y = 572255.098
X = 865964.907
BK = S41° 40' 17.2"E
AH = N75° 42' 38.1"E

PI 'PL' STA = 313+29.84
Y = 572279.951
X = 866062.485
DELTA = 011°29'38.5"
D = 007°09'43.1"
T = 80.51'
L = 160.49'
R = 800.00'
PC 'PL' STA = 312+49.32
Y = 572260.078
X = 865984.462
PT 'PL' STA = 314+09.81
Y = 572283.877
X = 866142.903
BK = N75° 42' 38.1"E
AH = N87° 12' 16.6"E

POL 'PL' STA = 314+50.00
Y = 572285.837
X = 866183.043

PROJECT NO: 3650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	ALIGNMENT DETAIL	SHEET 202	E

2



PI 'LAE' STA = 13+54.31	PI 'LAE' STA = 13+91.89	PI 'LAE' STA = 14+24.93
Y = 572340.449	Y = 572379.500	Y = 572409.312
X = 865779.852	X = 865779.211	X = 865795.806
DELTA = 042°53'04.0"	DELTA = 030°02'35.1"	DELTA = 006°09'59.2"
D = 143°14'22.0"	D = 065°51'26.0"	D = 028°38'52.4"
T = 15.71'	T = 23.35'	T = 10.77'
L = 29.94'	L = 45.62'	L = 21.52'
R = 40.00'	R = 87.00'	R = 200.00'
PC 'LAE' STA = 13+38.60	PC 'LAE' STA = 13+68.54	PC 'LAE' STA = 14+14.16
Y = 572329.115	Y = 572356.157	Y = 572399.899
X = 865790.730	X = 865779.594	X = 865790.566
PT 'LAE' STA = 13+68.54	PT 'LAE' STA = 14+14.16	PT 'LAE' STA = 14+35.68
Y = 572356.157	Y = 572399.899	Y = 572418.107
X = 865779.594	X = 865790.566	X = 865802.026
BK = N43° 49' 29.8"W	BK = N00° 56' 25.8"W	BK = N29° 06' 09.3"E
AH = N00° 56' 25.8"W	AH = N29° 06' 09.3"E	AH = N35° 16' 08.5"E

PI 'LAN' STA = 10+21.34	PI 'LAN' STA = 10+30.05	PI 'LAN' STA = 10+67.35	PI 'LAN' STA = 10+82.32	PI 'LAN' STA = 11+02.30
Y = 572428.867	Y = 572420.386	Y = 572389.857	Y = 572396.500	Y = 572405.242
X = 865765.542	X = 865763.219	X = 865741.628	X = 865723.374	X = 865705.404
DELTA = 019°56'54.4"	DELTA = 019°56'54.4"	DELTA = 074°43'44.7"	DELTA = 005°56'36.6"	DELTA = 022°23'13.0"
D = 229°10'59.2"	D = 229°10'59.2"	D = 286°28'44.0"	D = 071°37'11.0"	D = 071°37'11.0"
T = 4.40'	T = 4.40'	T = 15.27'	T = 4.15'	T = 15.83'
L = 8.70'	L = 8.70'	L = 26.09'	L = 8.30'	L = 31.26'
R = 25.00'	R = 25.00'	R = 20.00'	R = 80.00'	R = 80.00'
PC 'LAN' STA = 10+16.95	PC 'LAN' STA = 10+25.65	PC 'LAN' STA = 10+52.08	PC 'LAN' STA = 10+78.17	PC 'LAN' STA = 10+86.47
Y = 572432.457	Y = 572424.627	Y = 572402.326	Y = 572395.080	Y = 572398.317
X = 865768.081	X = 865764.381	X = 865750.446	X = 865727.277	X = 865719.640
PT 'LAN' STA = 10+25.65	PT 'LAN' STA = 10+34.36	PT 'LAN' STA = 10+78.17	PT 'LAN' STA = 10+86.47	PT 'LAN' STA = 11+17.72
Y = 572424.627	Y = 572416.797	Y = 572395.080	Y = 572398.317	Y = 572417.068
X = 865764.381	X = 865760.680	X = 865727.277	X = 865719.640	X = 865694.879
BK = S35° 16' 08.5"W	BK = S15° 19' 14.1"W	BK = S35° 16' 08.5"W	BK = N70° 00' 06.7"W	BK = N64° 03' 30.1"W
AH = S15° 19' 14.1"W	AH = S35° 16' 08.5"W	AH = N70° 00' 06.7"W	AH = N64° 03' 30.1"W	AH = N41° 40' 17.2"W

PI 'LAW' STA = 11+03.57	PI 'LAW' STA = 11+53.94
Y = 572364.656	Y = 572311.785
X = 865686.640	X = 865682.429
DELTA = 046°13'31.2"	DELTA = 030°35'10.0"
D = 100°31'08.1"	D = 054°34'02.7"
T = 24.33'	T = 28.71'
L = 45.99'	L = 56.05'
R = 57.00'	R = 105.00'
PC 'LAW' STA = 10+79.24	PC 'LAW' STA = 11+25.22
Y = 572382.828	Y = 572340.405
X = 865670.466	X = 865684.709
PT 'LAW' STA = 11+25.22	PT 'LAW' STA = 11+81.28
Y = 572340.405	Y = 572288.306
X = 865684.709	X = 865665.904
BK = S41° 40' 17.2"E	BK = S04° 33' 14.0"W
AH = S04° 33' 14.0"W	AH = S35° 08' 24.1"W

PI 'LAS' STA = 11+13.52	PI 'LAS' STA = 11+52.07
Y = 572291.805	Y = 572291.126
X = 865714.836	X = 865756.263
DELTA = 055°44'32.0"	DELTA = 031°55'20.7"
D = 168°31'01.2"	D = 069°52'25.8"
T = 17.98'	T = 23.45'
L = 33.08'	L = 45.69'
R = 34.00'	R = 82.00'
PC 'LAS' STA = 10+95.54	PC 'LAS' STA = 11+28.62
Y = 572277.102	Y = 572291.528
X = 865704.487	X = 865732.814
PT 'LAS' STA = 11+28.62	PT 'LAS' STA = 11+74.31
Y = 572291.528	Y = 572278.385
X = 865732.814	X = 865775.953
BK = N35° 08' 24.1"E	BK = S89° 01' 00.2"E
AH = S89° 07' 03.9"E	AH = S57° 05' 39.5"E

PI 'LAS' STA = 13+06.90	PI 'LAS' STA = 14+21.75
Y = 572206.352	Y = 572250.050
X = 865887.275	X = 866009.919
DELTA = 052°30'59.9"	DELTA = 008°33'43.3"
D = 026°09'44.8"	D = 019°21'24.1"
T = 108.04'	T = 22.16'
L = 200.73'	L = 44.23'
R = 219.00'	R = 296.00'
PC 'LAS' STA = 11+98.86	PC 'LAS' STA = 13+99.60
Y = 572265.045	Y = 572242.613
X = 865796.569	X = 865989.046
PT 'LAS' STA = 13+99.60	PT 'LAS' STA = 14+43.83
Y = 572242.613	Y = 572254.297
X = 865989.046	X = 866031.666
BK = S57° 05' 39.8"E	BK = N70° 23' 20.3"E
AH = N70° 23' 20.3"E	AH = N78° 57' 03.5"E

PROJECT NO: 3650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	ALIGNMENT DETAIL	SHEET 203	E

2

POL 'OV' STA = 8+90.00
Y = 572488.558
X = 865461.810

PI 'OV' STA = 10+00.00
Y = 572578.597
X = 865525.000

OVIATT ST

N35°03'41.0"E

STH 55 NB ('NB'): STA 212+64.24
OVIATT ST WEST ('OV'): STA 10+00.00

DESNOYER ST

N35°08'25.7"E

POL 'DE' STA = 19+25.00
Y = 572752.647
X = 865280.853

PI 'DE' STA = 20+00.00
Y = 572813.978
X = 865324.022

STH 55 NB ('NB'): STA 215+73.75
DESNOYER STREET WEST (DE): STA 20+00.00

N40°07'51.1"W

216'NB'

217'NB'

STH 55 (DELANGLADE

MATCH LINE STA 217+75

N40°24'38.8"W

215'NB'

PI: 215+70.52'NB'

214'NB'

N41°40'17.2"W

213'NB'

PI: 212+84.92'NB'

212'NB'

N35°19'31.9"E

PI 'NB' STA = 212+84.92
Y = 572594.047
X = 865511.248

PI 'NB' STA = 215+70.52
Y = 572811.504
X = 865326.107

STH 55 NB ('NB'): STA 215+75.26
DESNOYER STREET EAST (DE): STA 21+00.00

N35°10'45.6"E

22'DE

STH 55 NB ('NB'): STA 212+65.71
OVIATT ST EAST ('OV'): STA 11+00.00

PI 'OV' STA = 11+00.00
Y = 572579.694
X = 865524.024

POL 'OV' STA = 11+75.00
Y = 572640.885
X = 865567.391

PI 'DE' STA = 21+00.00
Y = 572815.127
X = 865323.053

POL 'DE' STA = 22+10.00
Y = 572905.036
X = 865386.428

N

PI 'SB' STA = 220+48.77
Y = 573167.450
X = 865006.414
DELTA = 003°15'50.8"
D = 002°51'53.2"
T = 56.98'
L = 113.94'
R = 2000.00'
PC 'SB' STA = 219+91.79
Y = 573126.376
X = 865045.914
PT 'SB' STA = 221+05.73
Y = 573206.208
X = 864964.640
BK = N43° 52' 51.1"W
AH = N47° 08' 42.0"W

PI 'SB' STA = 221+94.03
Y = 573266.268
X = 864899.906
DELTA = 002°24'40.3"
D = 001°21'55.7"
T = 88.30'
L = 176.58'
R = 4196.00'
PC 'SB' STA = 221+05.73
Y = 573206.208
X = 864964.640
PT 'SB' STA = 222+82.31
Y = 573323.551
X = 864832.703
BK = N47° 08' 42.0"W
AH = N49° 33' 22.3"W

PT: 222+82.31'SB'

N

PT: 18+46.31'EB'

62'RA1'

CTH OO
(HYLAND AVENUE)

'RA1' CENTER
Y = 573391.403
X = 864828.227

71'RA1'

60'RA1'

PC: 19+75.40'WB'

PC: 19+79.89'EB'

20'EB'

20'

STH 55 NB ('NB'): STA 218+19.72
STH 55 SB (STH 96 - CTH 00) ('SB'): STA 218+19.28

PI 'SB' STA = 218+19.28
Y = 573002.038
X = 865165.488

POL 'BL' STA = 28+00.00
Y = 572961.089
X = 865068.461

PI 'SB' STA = 218+75.28
Y = 573042.402
X = 865126.670

BLACKWELL ST

N35°15'35.1"E

BP: 218+19.28'SB'

PC: 219+91.79'SB'

PCC: 221+05.73'SB'

222'SB'

221'SB'

STH 55 (DELANGLADE ST)

STH 55 SB (STH 96 - CTH 00) ('SB'): STA 218+75.28
BLACKWELL STREET WEST ('BL'): STA 29+00.00

220'SB'

219'SB'

N43°52'51.1"W

218'NB'

219'NB'

N40°07'51.1"W

220'NB'

222'NB'

221'NB'

MATCH LINE STA 217+75

ST)

PCC: 220+24.79'NB'

PC: 219+95.39'NB'

PRC: 221+75

PI 'NB' STA = 220+10.10
Y = 573147.594
X = 865042.783
DELTA = 004°12'39.1"
D = 014°19'26.2"
T = 14.71'
L = 29.40'
R = 400.00'
PC 'NB' STA = 219+95.39
Y = 573136.351
X = 865052.261
PT 'NB' STA = 220+24.79
Y = 573158.111
X = 865032.505
BK = N40° 07' 51.1"W
AH = N44° 20' 30.3"W

PI 'NB' STA = 221+00.39
Y = 573212.178
X = 864979.667
DELTA = 003°29'21.1"
D = 002°18'30.4"
T = 75.60'
L = 151.15'
R = 2482.00'
PC 'NB' STA = 220+24.79
Y = 573158.111
X = 865032.505
PT 'NB' STA = 221+75.94
Y = 573262.928
X = 864923.637
BK = N44° 20' 30.3"W
AH = N47° 49' 51.4"W

PI 'NB' STA = 222+26.14
Y = 573296.630
X = 864886.428
DELTA = 039°27'19.0"
D = 040°55'32.0"
T = 50.20'
L = 96.41'
R = 140.00'
PC 'NB' STA = 221+75.94
Y = 573262.928
X = 864923.637
PT 'NB' STA = 222+72.34
Y = 573346.298
X = 864879.115
BK = N47° 49' 51.4"W
AH = N08° 22' 32.4"W

PRC: 222+12.34'NB'

N35°04'38.3"E

BLACKWELL ST

PI 'BL' STA = 31+00.00
Y = 573043.898
X = 865130.199

POL 'BL' STA = 31+75.00
Y = 573104.771
X = 865174.012

STH 55 NB ('NB'): STA 218+74.47
BLACKWELL STREET EAST ('BL'): STA 31+00.00

PROJECT NO: 3650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	ALIGNMENT DETAIL	SHEET 204	E

2

2

PI 'WB' STA = 16+92.89
Y = 573293.243
X = 864635.198
DELTA = 007°40'44.8"
D = 003°49'47.8"
T = 100.40'
L = 200.50'
R = 1496.00'
PC 'WB' STA = 15+92.49
Y = 573250.226
X = 864544.479
PT 'WB' STA = 17+92.99
Y = 573347.996
X = 864719.356
BK = N64° 37' 51.5"E
AH = N56° 57' 06.8"E

PI 'WB' STA = 12+66.06
Y = 573110.371
X = 864249.534

BP: 12+66.06'WB'

11'EB'
12'EB'
N64°37'51.5"E
13'WB'
13'EB'
14'WB'
14'EB'
15'WB'
15'EB'
N64°37'51.5"E
16'WB'
16'EB'

CTH 00 EB PROPOSED ('EB'): STA 12+66.06
CTH 00 WB PROPOSED ('WB'): STA 12+66.06

CTH 00 (HYLAND AVE)

PC: 12+66.06'EB'

BP: 621+67.33'NW'

PC: 15+92.49'WB'

622

PRC: 15+55.76'EB'

MATCH LINE STA 16+25

POL 'EB' STA = 12+50.00
Y = 573103.489
X = 864235.020

PI 'EB' STA = 14+10.97
Y = 573172.457
X = 864380.469
DELTA = 004°08'58.6"
D = 001°25'56.6"
T = 144.91'
L = 289.70'
R = 4000.00'
PC 'EB' STA = 12+66.06
Y = 573110.370
X = 864249.531
PT 'EB' STA = 15+55.76
Y = 573224.907
X = 864515.556
BK = N64° 37' 51.5"E
AH = N68° 46' 50.1"E

PI 'EB' STA = 16+59.42
Y = 573262.428
X = 864612.194
DELTA = 014°46'00.7"
D = 007°09'43.1"
T = 103.67'
L = 206.18'
R = 800.00'
PC 'EB' STA = 15+55.76
Y = 573224.907
X = 864515.556
PT 'EB' STA = 17+61.94
Y = 573323.342
X = 864696.077
BK = N68° 46' 50.1"E
AH = N54° 00' 49.3"E

PROJECT NO: 3650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	ALIGNMENT DETAIL	SHEET 205	E

2

PI 'WB' STA = 16+92.89
Y = 573293.243
X = 864635.198
DELTA = 007°40'44.8"
D = 003°49'47.8"
T = 100.40'
L = 200.50'
R = 1496.00'
PC 'WB' STA = 15+92.49
Y = 573250.226
X = 864544.479
PT 'WB' STA = 17+92.99
Y = 573347.996
X = 864719.356
BK = N64° 37' 51.5"E
AH = N56° 57' 06.8"E

PI 'WB' STA = 18+20.44
Y = 573362.965
X = 864742.364
DELTA = 015°02'06.5"
D = 027°32'45.8"
T = 27.45'
L = 54.58'
R = 208.00'
PC 'WB' STA = 17+92.99
Y = 573347.996
X = 864719.356
PT 'WB' STA = 18+47.57
Y = 573383.390
X = 864760.701
BK = N56° 57' 06.8"E
AH = N41° 55' 00.3"E

PI 'NB' STA = 224+40.11
Y = 573476.820
X = 864778.174
DELTA = 013°16'34.3"
D = 017°55'58.6"
T = 37.18'
L = 74.03'
R = 319.50'
PC 'NB' STA = 224+02.93
Y = 573456.770
X = 864809.488
PT 'NB' STA = 224+76.96
Y = 573503.525
X = 864752.301
BK = N57° 22' 09.4"W
AH = N44° 05' 35.1"W

PI 'NB' STA = 225+80.48
Y = 573577.873
X = 864680.270
DELTA = 003°57'09.1"
D = 001°54'35.5"
T = 103.52'
L = 206.95'
R = 3000.00'
PC 'NB' STA = 224+76.96
Y = 573503.525
X = 864752.301
PT 'NB' STA = 226+83.91
Y = 573657.008
X = 864613.536
BK = N44° 05' 35.1"W
AH = N40° 08' 26.0"W

PI 'SB' STA = 226+01.13
Y = 573583.603
X = 864657.096
DELTA = 008°33'08.3"
D = 003°49'11.0"
T = 112.16'
L = 223.90'
R = 1500.00'
PC 'SB' STA = 224+88.97
Y = 573505.705
X = 864737.789
PT 'SB' STA = 227+12.87
Y = 573672.635
X = 864588.885
BK = N46° 00' 34.6"W
AH = N37° 27' 26.4"W

PI 'SB' STA = 224+49.53
Y = 573476.530
X = 864768.011
DELTA = 034°34'05.1"
D = 042°26'28.7"
T = 42.01'
L = 81.45'
R = 135.00'
PC 'SB' STA = 224+07.52
Y = 573435.358
X = 864776.343
PT 'SB' STA = 224+88.97
Y = 573505.705
X = 864737.789
BK = N11° 26' 29.6"W
AH = N46° 00' 34.6"W

PI 'WB' STA = 20+18.30
Y = 573446.926
X = 864917.343
DELTA = 034°04'18.8"
D = 040°55'32.0"
T = 42.90'
L = 83.25'
R = 140.00'
PC 'WB' STA = 19+75.40
Y = 573440.882
X = 864874.873
PT 'WB' STA = 20+58.65
Y = 573475.725
X = 864949.137
BK = N81° 54' 04.5"E
AH = N47° 49' 45.7"E

PI 'WB' STA = 21+59.67
Y = 573543.541
X = 865024.005
DELTA = 011°32'11.3"
D = 005°43'46.5"
T = 101.02'
L = 201.35'
R = 1000.00'
PC 'WB' STA = 20+58.65
Y = 573475.725
X = 864949.137
PT 'WB' STA = 22+60.00
Y = 573595.015
X = 865110.923
BK = N47° 49' 45.7"E
AH = N59° 21' 57.0"E

PI 'SB' STA = 221+94.03
Y = 573266.268
X = 864899.906
DELTA = 002°24'40.3"
D = 001°21'55.7"
T = 88.30'
L = 176.58'
R = 4196.00'
PC 'SB' STA = 221+05.73
Y = 573206.208
X = 864964.640
PT 'SB' STA = 222+82.31
Y = 573323.551
X = 864832.703
BK = N47° 08' 42.0"W
AH = N49° 33' 22.3"W

PI 'EB' STA = 16+59.42
Y = 573262.428
X = 864612.194
DELTA = 014°46'00.7"
D = 007°09'43.1"
T = 103.67'
L = 206.18'
R = 800.00'
PC 'EB' STA = 15+55.76
Y = 573224.907
X = 864515.556
PT 'EB' STA = 17+61.94
Y = 573323.342
X = 864696.077
BK = N68° 46' 50.1"E
AH = N54° 00' 49.3"E

PI 'EB' STA = 18+05.56
Y = 573348.970
X = 864731.369
DELTA = 035°48'32.0"
D = 042°26'28.7"
T = 43.62'
L = 84.37'
R = 135.00'
PC 'EB' STA = 17+61.94
Y = 573323.342
X = 864696.077
PT 'EB' STA = 18+46.31
Y = 573349.105
X = 864774.984
BK = N54° 00' 49.3"E
AH = N89° 49' 21.4"E

PI 'NB' STA = 222+26.14
Y = 573296.630
X = 864886.428
DELTA = 039°27'19.0"
D = 040°55'32.0"
T = 50.20'
L = 96.41'
R = 140.00'
PC 'NB' STA = 221+75.94
Y = 573262.928
X = 864923.637
PT 'NB' STA = 222+72.34
Y = 573346.298
X = 864879.115
BK = N47° 49' 51.4"W
AH = N08° 22' 32.4"W

PI 'EB' STA = 20+14.85
Y = 573440.229
X = 864912.566
DELTA = 023°55'33.6"
D = 034°43'29.0"
T = 34.96'
L = 68.90'
R = 165.00'
PC 'EB' STA = 19+79.89
Y = 573411.036
X = 864893.331
PT 'EB' STA = 20+48.79
Y = 573459.114
X = 864941.987
BK = N33° 22' 45.3"E
AH = N57° 18' 18.9"E

'RA1' CENTER
Y = 573391.403
X = 864828.227

MATCH LINE STA 16+25

MATCH LINE STA 22+25

CTH OO (HYLAND AVE)

CTH OO (HYLAND AVENUE)

CTH OO (HYLAND AVENUE)

STH 55 (DELANGLADE ST)

225'SB'

225'NB'

PRC: 224+88.97'SB'

PCC: 224+76.96'NB'

PC: 224+07.52'SB'

PC: 224+02.93'NB'

PCC: 17+92.99'WB'

PT: 18+47.57'NB'

PC: 19+75.40'WB'

PRC: 20+58.65'WB'

61'RA1'

62'RA1'

63'RA1'

60'RA1'

17'WB'

18'WB'

17'EB'

18'EB'

21'WB'

22'WB'

20'WB'

21'EB'

22'EB'

20'EB'

N57°18'18.9"E

PRC: 17+61.94'EB'

PT: 18+46.31'EB'

PT: 20+48.79'EB'

PC: 19+79.89'EB'

PT: 222+82.31'SB'

PT: 222+72.34'NB'

222'SB'

222'NB'

PRC: 221+75.94'NB'

N

PROJECT NO: 3650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	ALIGNMENT DETAIL	SHEET 206	E

FILE NAME : F:\TR\JOBS\E1859A08\CIVIL 3D 2012\SHEETSPLAN\46500871_027200_AD.DWG
46500871_027212_ad

PLOT DATE : 3/17/2017 3:25 PM PLOT BY : OMNNI ASSOCIATES, INC - CRAIG KNUTH

2

PI 'NW1B' STA = 624+81.39
Y = 573486.042
X = 864733.214
DELTA = 029°54'50.9"
D = 019°05'54.9"
T = 80.14'
L = 156.63'
R = 300.00'
PC 'NW1B' STA = 624+01.25
Y = 573407.444
X = 864748.879
PT 'NW1B' STA = 625+57.88
Y = 573546.356
X = 864680.439
BK = N11° 16' 18.4"W
AH = N41° 11' 09.3"W

PI 'NW1A' STA = 624+45.91
Y = 573461.830
X = 864759.506
DELTA = 040°40'55.9"
D = 047°44'47.3"
T = 44.49'
L = 85.20'
R = 120.00'
PC 'NW1A' STA = 624+01.42
Y = 573417.380
X = 864761.315
PT 'NW1A' STA = 624+86.63
Y = 573494.359
X = 864729.158
BK = N02° 19' 51.4"W
AH = N43° 00' 47.3"W

PI 'SW1B' STA = 717+00.25
Y = 573277.479
X = 864651.106
DELTA = 008°51'07.1"
D = 010°13'53.0"
T = 43.35'
L = 86.52'
R = 560.00'
PC 'SW1B' STA = 716+56.90
Y = 573256.821
X = 864613.001
PT 'SW1B' STA = 717+43.42
Y = 573292.028
X = 864691.937
BK = N61° 32' 11.7"E
AH = N70° 23' 18.8"E

PI 'SW1B' STA = 717+81.06
Y = 573304.662
X = 864727.397
DELTA = 007°41'28.5"
D = 010°13'53.0"
T = 37.64'
L = 75.17'
R = 560.00'
PC 'SW1B' STA = 717+43.42
Y = 573292.028
X = 864691.937
PT 'SW1B' STA = 718+18.59
Y = 573312.437
X = 864764.228
BK = N70° 23' 18.8"E
AH = N78° 04' 47.4"E

PI 'NW1' STA = 622+88.16
Y = 573323.680
X = 864643.371
DELTA = 004°58'05.1"
D = 005°43'46.5"
T = 43.38'
L = 86.71'
R = 1000.00'
PC 'NW1' STA = 622+44.77
Y = 573305.093
X = 864604.173
PT 'NW1' STA = 623+31.48
Y = 573345.591
X = 864680.812
BK = N64° 37' 51.3"E
AH = N59° 39' 46.2"E

PI 'NW1' STA = 623+47.98
Y = 573353.924
X = 864695.052
DELTA = 012°33'11.8"
D = 038°11'49.9"
T = 16.50'
L = 32.86'
R = 150.00'
PC 'NW1' STA = 623+31.48
Y = 573345.591
X = 864680.812
PT 'NW1' STA = 623+64.35
Y = 573365.153
X = 864707.139
BK = N59° 39' 46.2"E
AH = N47° 06' 34.4"E

PI 'NW1' STA = 624+06.64
Y = 573393.938
X = 864738.126
DELTA = 063°45'39.4"
D = 084°15'30.6"
T = 42.29'
L = 75.67'
R = 68.00'
PC 'NW1' STA = 623+64.35
Y = 573365.153
X = 864707.139
PT 'NW1' STA = 624+40.02
Y = 573434.459
X = 864726.007
BK = N47° 06' 34.4"E
AH = N16° 39' 05.0"W

PI 'NW1' STA = 625+09.35
Y = 573500.879
X = 864706.141
DELTA = 026°01'27.7"
D = 019°05'54.9"
T = 69.33'
L = 136.26'
R = 300.00'
PC 'NW1' STA = 624+40.02
Y = 573434.459
X = 864726.007
PT 'NW1' STA = 625+76.28
Y = 573551.849
X = 864659.148
BK = N16° 39' 05.0"W
AH = N42° 40' 32.7"W

PI 'NE1' STA = 523+14.30
Y = 573462.376
X = 864913.315
DELTA = 035°13'39.2"
D = 045°50'11.8"
T = 39.69'
L = 76.85'
R = 125.00'
PC 'NE1' STA = 522+74.62
Y = 573488.897
X = 864942.837
PT 'NE1' STA = 523+51.47
Y = 573457.740
X = 864873.901
BK = S48° 03' 54.7"W
AH = S83° 17' 33.9"W

PI 'NE1' STA = 523+74.90
Y = 573455.004
X = 864850.635
DELTA = 037°00'28.2"
D = 081°51'04.0"
T = 23.43'
L = 45.21'
R = 70.00'
PC 'NE1' STA = 523+51.47
Y = 573457.740
X = 864873.901
PT 'NE1' STA = 523+96.69
Y = 573466.824
X = 864830.408
BK = S83° 17' 33.9"W
AH = N59° 41' 57.9"W

PI 'NE1' STA = 524+33.58
Y = 573485.438
X = 864798.554
DELTA = 014°01'19.4"
D = 019°05'54.9"
T = 36.89'
L = 73.42'
R = 300.00'
PC 'NE1' STA = 523+96.69
Y = 573466.824
X = 864830.408
PT 'NE1' STA = 524+70.11
Y = 573511.216
X = 864772.160
BK = N59° 41' 57.9"W
AH = N45° 40' 38.5"W

PI 'NE1' STA = 525+04.05
Y = 573534.934
X = 864747.874
DELTA = 005°32'12.8"
D = 008°09'42.5"
T = 33.95'
L = 67.84'
R = 702.00'
PC 'NE1' STA = 524+70.11
Y = 573511.216
X = 864772.160
PT 'NE1' STA = 525+37.94
Y = 573560.885
X = 864725.990
BK = N45° 40' 38.5"W
AH = N40° 08' 25.7"W

PI 'SW1' STA = 717+22.49
Y = 573277.538
X = 864676.372
DELTA = 016°33'08.0"
D = 012°43'56.6"
T = 65.46'
L = 130.00'
R = 450.00'
PC 'SW1' STA = 716+57.03
Y = 573246.333
X = 864618.833
PT 'SW1' STA = 717+87.03
Y = 573291.058
X = 864740.417
BK = N61° 31' 39.5"E
AH = N78° 04' 47.4"E

PI 'SW1' STA = 718+61.07
Y = 573306.351
X = 864812.860
DELTA = 040°12'18.6"
D = 081°51'04.0"
T = 25.62'
L = 49.12'
R = 70.00'
PC 'SW1' STA = 718+35.45
Y = 573301.059
X = 864787.793
PT 'SW1' STA = 718+84.57
Y = 573294.210
X = 864835.421
BK = N78° 04' 48.6"E
AH = S61° 42' 52.8"E

PI 'SW1' STA = 719+08.39
Y = 573282.923
X = 864856.398
DELTA = 010°28'10.2"
D = 022°02'12.6"
T = 23.82'
L = 47.51'
R = 260.00'
PC 'SW1' STA = 718+84.57
Y = 573294.210
X = 864835.421
PT 'SW1' STA = 719+32.08
Y = 573268.011
X = 864874.974
BK = S61° 42' 52.8"E
AH = S51° 14' 42.5"E

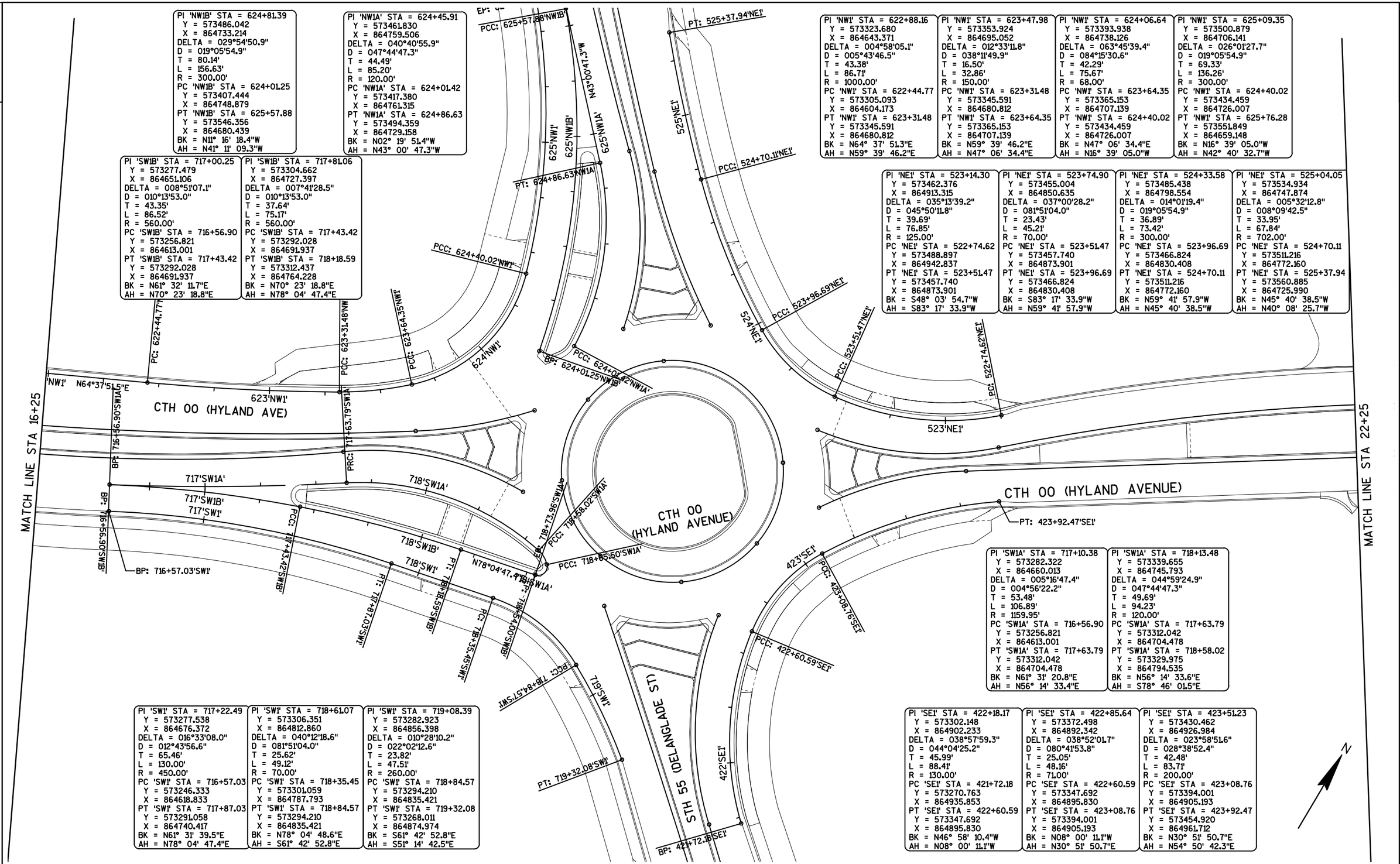
PI 'SW1A' STA = 717+10.38
Y = 573282.322
X = 864660.013
DELTA = 005°16'47.4"
D = 004°56'22.2"
T = 53.48'
L = 106.89'
R = 1159.95'
PC 'SW1A' STA = 716+56.90
Y = 573256.821
X = 864613.001
PT 'SW1A' STA = 717+63.79
Y = 573312.042
X = 864704.478
BK = N61° 31' 20.8"E
AH = N56° 14' 33.4"E

PI 'SW1A' STA = 718+13.48
Y = 573339.655
X = 864745.793
DELTA = 044°59'24.9"
D = 047°44'47.3"
T = 49.69'
L = 94.23'
R = 120.00'
PC 'SW1A' STA = 717+63.79
Y = 573312.042
X = 864704.478
PT 'SW1A' STA = 718+58.02
Y = 573329.975
X = 864794.535
BK = N56° 14' 33.6"E
AH = S78° 46' 01.5"E

PI 'SE1' STA = 422+18.17
Y = 573302.148
X = 864902.233
DELTA = 038°57'59.3"
D = 044°04'25.2"
T = 45.99'
L = 88.41'
R = 130.00'
PC 'SE1' STA = 421+72.18
Y = 573270.763
X = 864935.853
PT 'SE1' STA = 422+60.59
Y = 573347.692
X = 864895.830
BK = N46° 58' 10.4"W
AH = N08° 00' 11.1"W

PI 'SE1' STA = 422+85.64
Y = 573372.498
X = 864892.342
DELTA = 038°52'01.7"
D = 080°41'53.8"
T = 25.05'
L = 48.16'
R = 71.00'
PC 'SE1' STA = 422+60.59
Y = 573347.692
X = 864895.830
PT 'SE1' STA = 423+08.76
Y = 573394.001
X = 864905.193
BK = N08° 00' 11.1"W
AH = N30° 51' 50.7"E

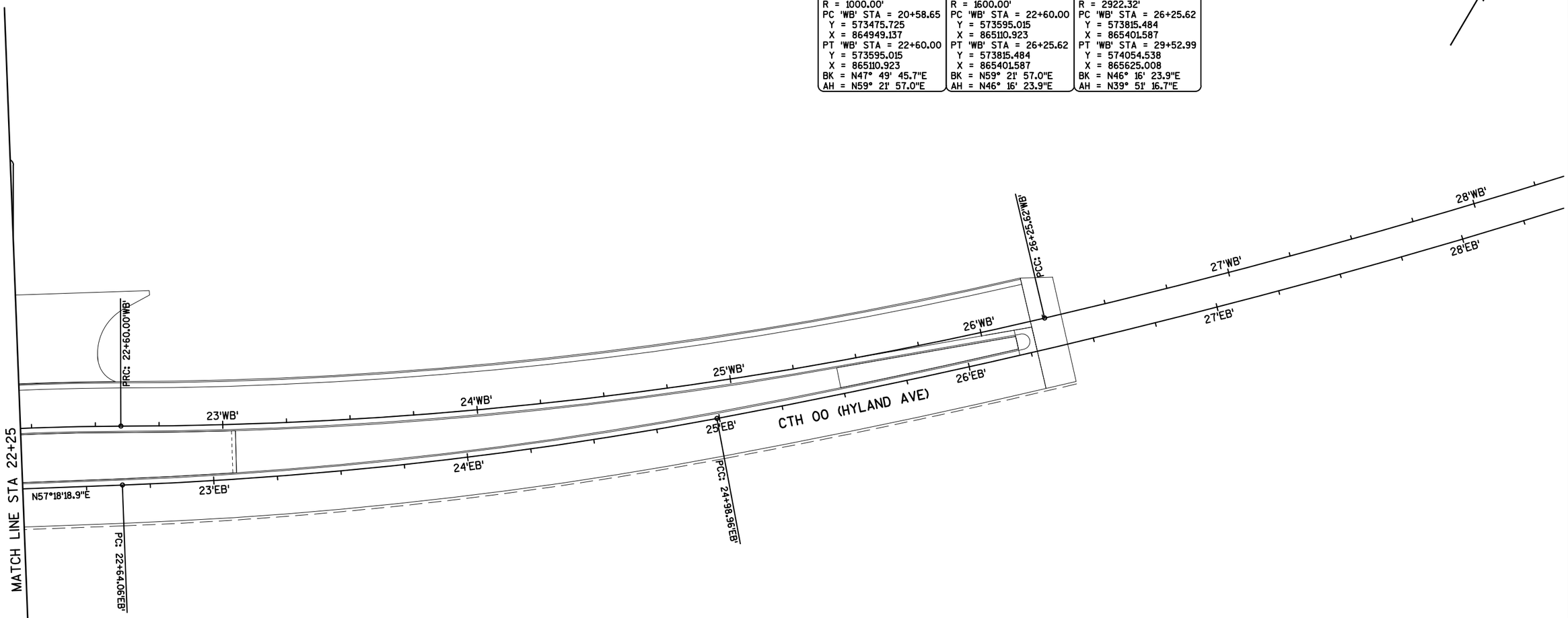
PI 'SE1' STA = 423+51.23
Y = 573430.462
X = 864926.984
DELTA = 023°58'51.6"
D = 028°38'52.4"
T = 42.48'
L = 83.71'
R = 200.00'
PC 'SE1' STA = 423+08.76
Y = 573394.001
X = 864905.193
PT 'SE1' STA = 423+92.47
Y = 573454.920
X = 864961.712
BK = N30° 51' 50.7"E
AH = N54° 50' 42.3"E



PROJECT NO: 3650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	ALIGNMENT DETAIL	SHEET 207	E

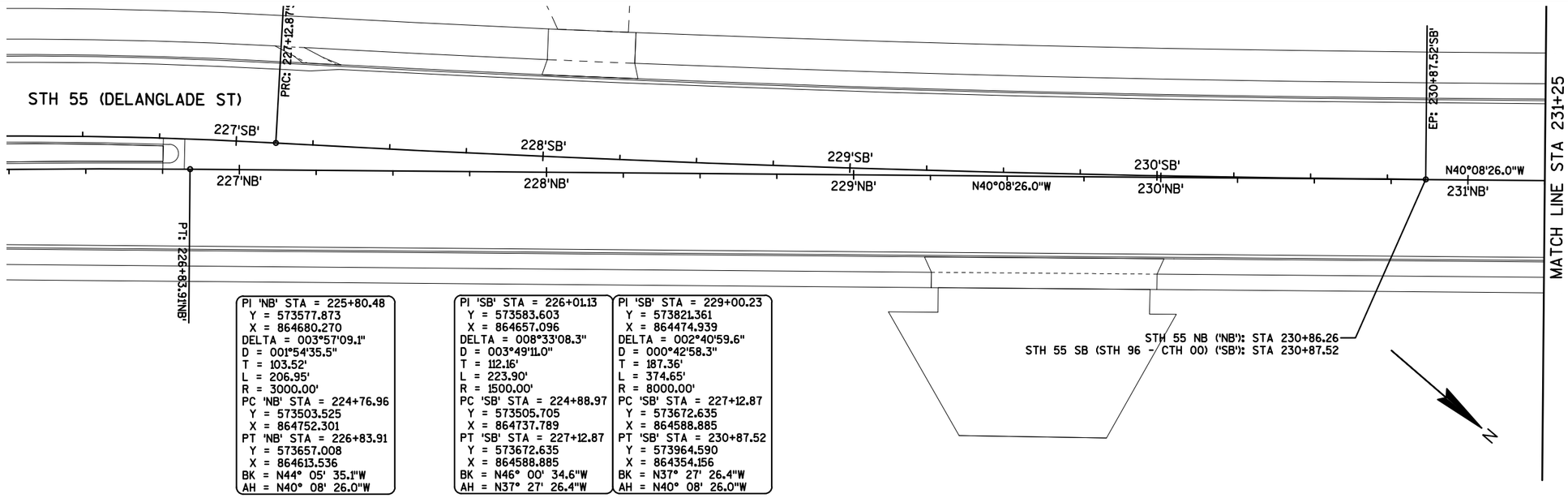
2

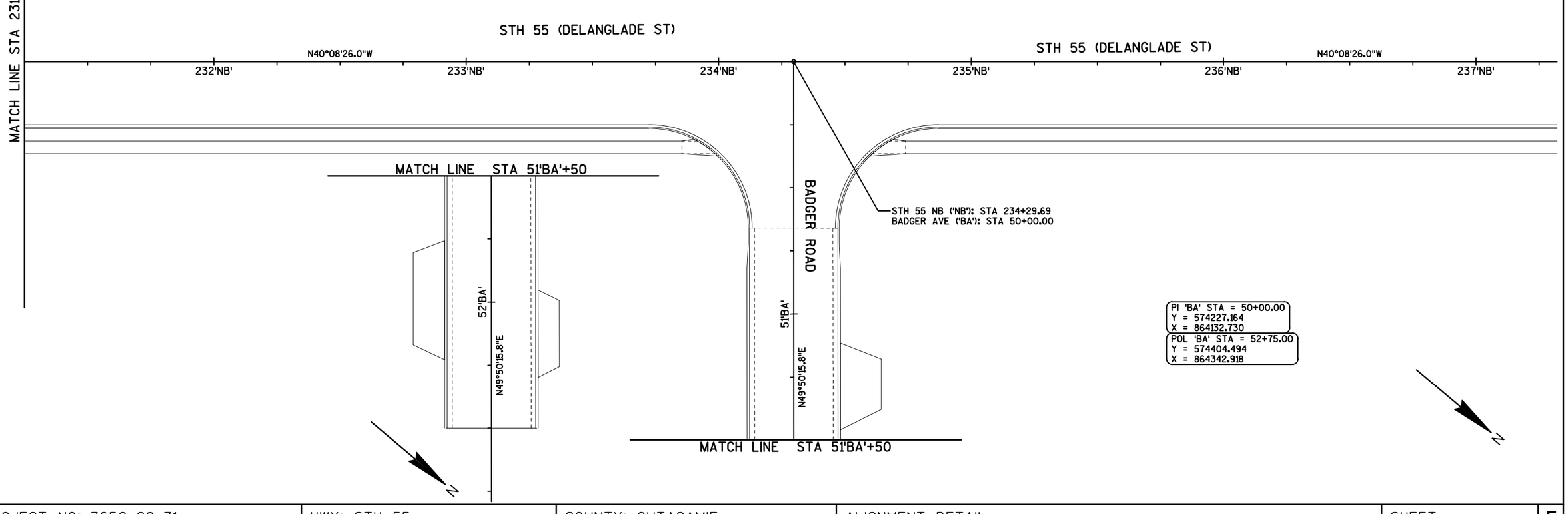
PI 'WB' STA = 21+59.67	PI 'WB' STA = 24+43.61	PI 'WB' STA = 27+89.48
Y = 573543.541	Y = 573688.572	Y = 573928.747
X = 865024.005	X = 865268.905	X = 865520.000
DELTA = 011°32'11.3"	DELTA = 013°05'33.1"	DELTA = 006°25'07.2"
D = 005°43'46.5"	D = 003°34'51.6"	D = 001°57'38.2"
T = 101.02'	T = 183.61'	T = 163.86'
L = 201.35'	L = 365.61'	L = 327.38'
R = 1000.00'	R = 1600.00'	R = 2922.32'
PC 'WB' STA = 20+58.65	PC 'WB' STA = 22+60.00	PC 'WB' STA = 26+25.62
Y = 573475.725	Y = 573595.015	Y = 573815.484
X = 864949.137	X = 865110.923	X = 865401.587
PT 'WB' STA = 22+60.00	PT 'WB' STA = 26+25.62	PT 'WB' STA = 29+52.99
Y = 573595.015	Y = 573815.484	Y = 574054.538
X = 865110.923	X = 865401.587	X = 865625.008
BK = N47° 49' 45.7"E	BK = N59° 21' 57.0"E	BK = N46° 16' 23.9"E
AH = N59° 21' 57.0"E	AH = N46° 16' 23.9"E	AH = N39° 51' 16.7"E



PI 'EB' STA = 23+81.72	PI 'EB' STA = 27+30.90
Y = 573638.952	Y = 573868.799
X = 865222.171	X = 865485.588
DELTA = 008°24'42.8"	DELTA = 009°02'19.4"
D = 003°34'51.6"	D = 001°57'09.4"
T = 117.66'	T = 231.93'
L = 234.90'	L = 462.90'
R = 1600.00'	R = 2934.32'
PC 'EB' STA = 22+64.06	PC 'EB' STA = 24+98.96
Y = 573575.395	Y = 573716.312
X = 865123.150	X = 865310.829
PT 'EB' STA = 24+98.96	PT 'EB' STA = 29+61.87
Y = 573716.312	Y = 574046.848
X = 865310.829	X = 865634.221
BK = N57° 18' 18.9"E	BK = N48° 53' 36.1"E
AH = N48° 53' 36.1"E	AH = N39° 51' 16.7"E

2



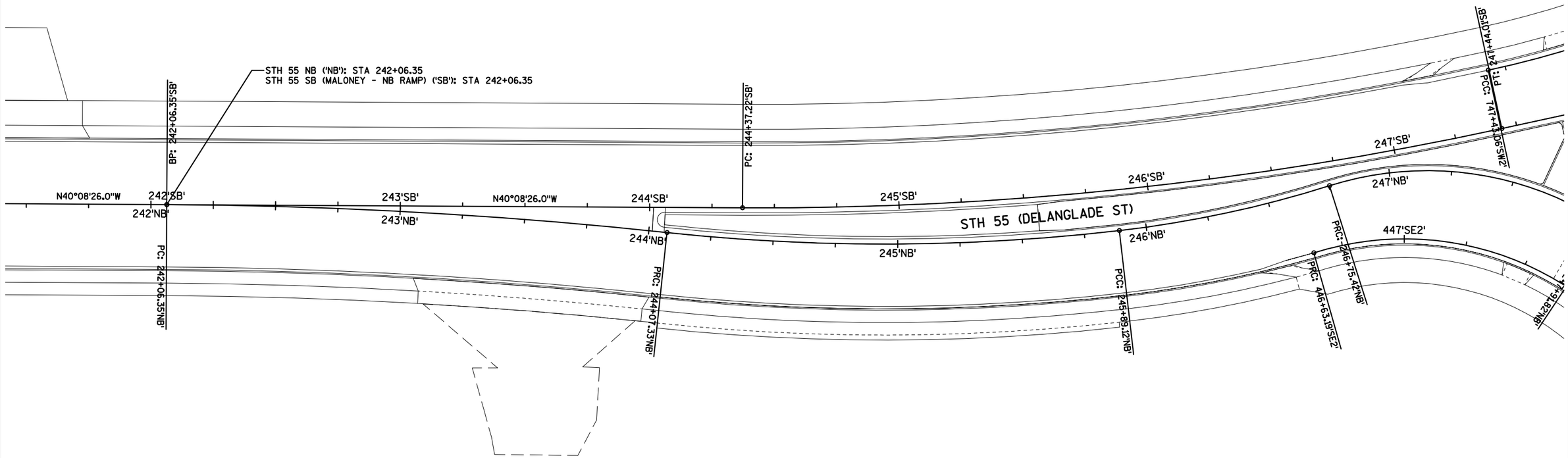


PROJECT NO: 3650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	ALIGNMENT DETAIL	SHEET 209	E

2

PI 'SB' STA = 245+91.23
Y = 575115.085
X = 863383.957
DELTA = 012°33'19.5"
D = 004°05'33.2"
T = 154.01'
L = 306.79'
R = 1400.00'
PC 'SB' STA = 244+37.22
Y = 574997.349
X = 863483.242
PT 'SB' STA = 247+44.01
Y = 575208.422
X = 863261.452
BK = N40° 08' 26.0"W
AH = N52° 41' 45.5"W

PI 'SW2' STA = 747+73.86
Y = 575207.773
X = 863222.718
DELTA = 008°48'24.5"
D = 014°19'26.2"
T = 30.80'
L = 61.48'
R = 400.00'
PC 'SW2' STA = 747+43.06
Y = 575189.098
X = 863247.214
PT 'SW2' STA = 748+04.54
Y = 575222.476
X = 863195.652
BK = N52° 40' 47.8"W
AH = N61° 29' 12.3"W



PI 'NB' STA = 243+06.92
Y = 574897.744
X = 863567.238
DELTA = 005°45'27.9"
D = 002°51'53.2"
T = 100.58'
L = 200.98'
R = 2000.00'
PC 'NB' STA = 242+06.35
Y = 574820.857
X = 863632.076
PT 'NB' STA = 244+07.33
Y = 574980.748
X = 863510.441
BK = N40° 08' 26.0"W
AH = N34° 22' 58.1"W

PI 'NB' STA = 244+98.60
Y = 575056.068
X = 863458.901
DELTA = 012°38'26.4"
D = 006°57'12.1"
T = 91.27'
L = 181.79'
R = 824.00'
PC 'NB' STA = 244+07.33
Y = 574980.748
X = 863510.441
PT 'NB' STA = 245+89.12
Y = 575118.285
X = 863392.127
BK = N34° 22' 58.1"W
AH = N47° 01' 24.5"W

PI 'NB' STA = 246+32.41
Y = 575147.790
X = 863360.461
DELTA = 010°59'16.2"
D = 012°43'56.6"
T = 43.28'
L = 86.30'
R = 450.00'
PC 'NB' STA = 245+89.12
Y = 575118.285
X = 863392.127
PT 'NB' STA = 246+75.42
Y = 575170.718
X = 863323.751
BK = N47° 01' 24.5"W
AH = N58° 00' 40.7"W

PI 'NB' STA = 247+37.85
Y = 575203.789
X = 863270.804
DELTA = 051°18'02.3"
D = 044°04'25.2"
T = 62.43'
L = 116.40'
R = 130.00'
PC 'NB' STA = 246+75.42
Y = 575170.718
X = 863323.751
PT 'NB' STA = 247+91.82
Y = 575265.787
X = 863263.510
BK = N58° 00' 40.7"W
AH = N06° 42' 38.5"W

PI 'SE2' STA = 447+81.30
Y = 575245.845
X = 863248.073
DELTA = 089°05'28.3"
D = 047°44'47.3"
T = 118.11'
L = 186.59'
R = 120.00'
PC 'SE2' STA = 446+63.19
Y = 575183.412
X = 863348.335
PT 'SE2' STA = 448+49.78
Y = 575347.085
X = 863308.908
BK = N58° 05' 21.8"W
AH = N31° 00' 06.4"E

PI 'NW2' STA = 647+82.61	PI 'NW2' STA = 648+87.29	PI 'NW2' STA = 648+87.29	PI 'NW2' STA = 650+13.64
Y = 575195.764	Y = 575280.497	Y = 575280.497	Y = 575407.624
X = 863041.161	X = 863102.752	X = 863102.752	X = 863119.618
DELTA = 005°12'25.9"	DELTA = 028°27'17.4"	DELTA = 028°27'17.4"	DELTA = 066°54'53.9"
D = 004°24'26.5"	D = 031°49'51.6"	D = 031°49'51.6"	D = 045°50'11.8"
T = 59.11'	T = 45.64'	T = 45.64'	T = 82.60'
L = 118.15'	L = 89.39'	L = 89.39'	L = 145.99'
R = 1300.00'	R = 180.00'	R = 180.00'	R = 125.00'
PC 'NW2' STA = 647+23.50	PC 'NW2' STA = 648+41.65	PC 'NW2' STA = 648+41.65	PC 'NW2' STA = 649+31.04
Y = 575151.298	Y = 575243.580	Y = 575243.580	Y = 575325.739
X = 863002.208	X = 863075.918	X = 863075.918	X = 863108.754
PT 'NW2' STA = 648+41.65	PT 'NW2' STA = 649+31.04	PT 'NW2' STA = 649+31.04	PT 'NW2' STA = 650+77.03
Y = 575243.580	Y = 575325.739	Y = 575325.739	Y = 575449.725
X = 863075.918	X = 863108.754	X = 863108.754	X = 863048.550
BK = N41° 13' 10.9"E	BK = N36° 00' 45.0"E	BK = N36° 00' 45.0"E	BK = N07° 33' 27.6"E
AH = N36° 00' 45.0"E	AH = N07° 33' 27.6"E	AH = N07° 33' 27.6"E	AH = N59° 21' 26.3"W

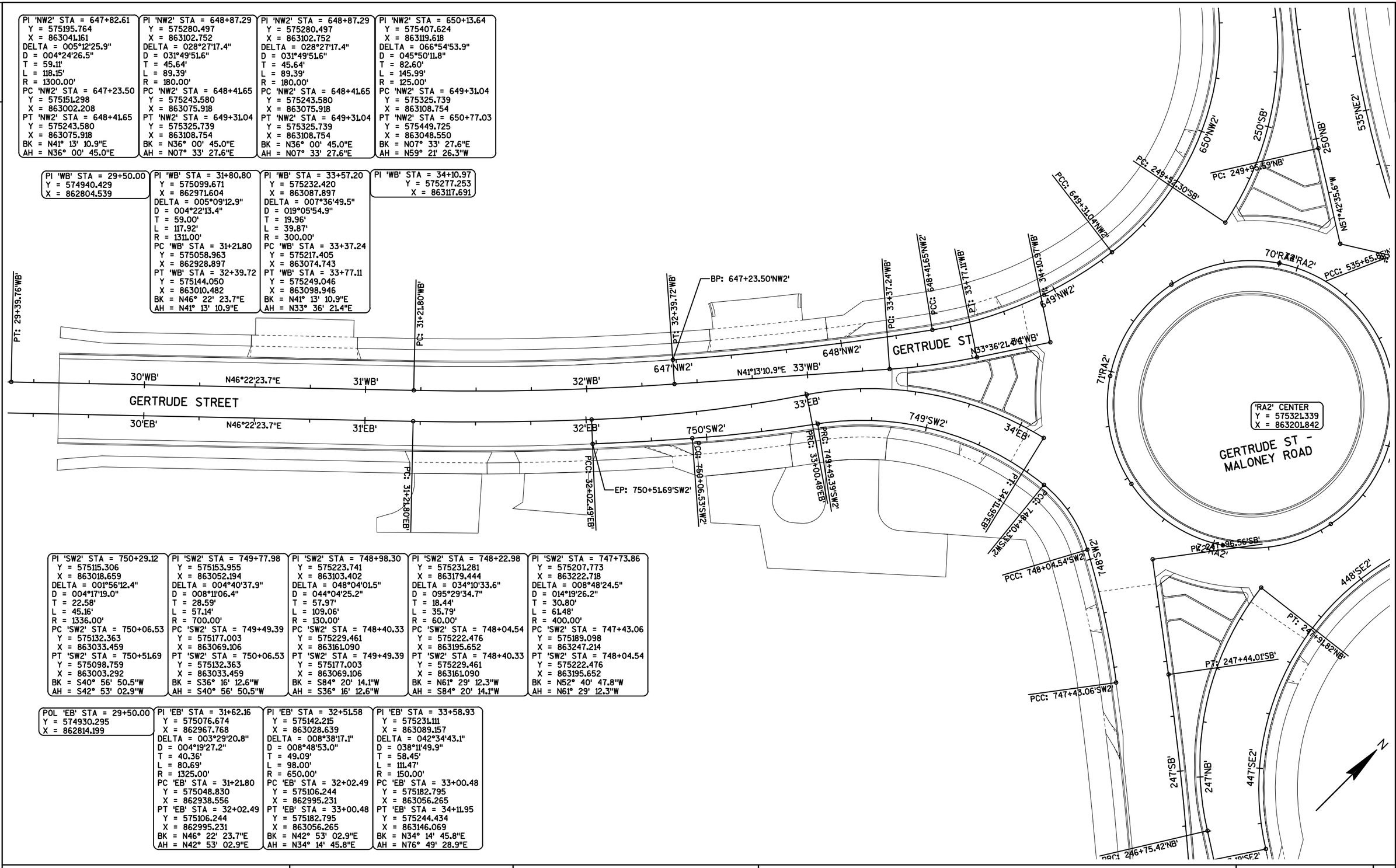
PI 'WB' STA = 29+50.00
Y = 574940.429
X = 862804.539

PI 'WB' STA = 31+80.80	PI 'WB' STA = 33+57.20	PI 'WB' STA = 34+10.97
Y = 575099.671	Y = 575232.420	Y = 575277.253
X = 862971.604	X = 863087.897	X = 863117.691
DELTA = 005°09'12.9"	DELTA = 007°36'49.5"	
D = 004°22'13.4"	D = 019°05'54.9"	
T = 59.00'	T = 19.96'	
L = 117.92'	L = 39.87'	
R = 1311.00'	R = 300.00'	
PC 'WB' STA = 31+21.80	PC 'WB' STA = 33+37.24	
Y = 575058.963	Y = 575217.405	
X = 862928.897	X = 863074.743	
PT 'WB' STA = 32+39.72	PT 'WB' STA = 33+77.11	
Y = 575144.050	Y = 575249.046	
X = 863010.482	X = 863098.946	
BK = N46° 22' 23.7"E	BK = N41° 13' 10.9"E	
AH = N41° 13' 10.9"E	AH = N33° 36' 21.4"E	

PI 'SW2' STA = 750+29.12	PI 'SW2' STA = 749+77.98	PI 'SW2' STA = 748+98.30	PI 'SW2' STA = 748+22.98	PI 'SW2' STA = 747+73.86
Y = 575115.306	Y = 575153.955	Y = 575223.741	Y = 575231.281	Y = 575207.773
X = 863018.659	X = 863052.194	X = 863103.402	X = 863179.444	X = 863222.718
DELTA = 001°56'12.4"	DELTA = 004°40'37.9"	DELTA = 048°04'01.5"	DELTA = 034°10'33.6"	DELTA = 008°48'24.5"
D = 004°17'19.0"	D = 008°11'06.4"	D = 044°04'25.2"	D = 095°29'34.7"	D = 014°19'26.2"
T = 22.58'	T = 28.59'	T = 57.97'	T = 18.44'	T = 30.80'
L = 45.16'	L = 57.14'	L = 109.06'	L = 35.79'	L = 61.48'
R = 1336.00'	R = 700.00'	R = 130.00'	R = 60.00'	R = 400.00'
PC 'SW2' STA = 750+06.53	PC 'SW2' STA = 749+49.39	PC 'SW2' STA = 748+40.33	PC 'SW2' STA = 748+04.54	PC 'SW2' STA = 747+43.06
Y = 575132.363	Y = 575177.003	Y = 575229.461	Y = 575222.476	Y = 575189.098
X = 863033.459	X = 863069.106	X = 863161.090	X = 863195.652	X = 863247.214
PT 'SW2' STA = 750+51.69	PT 'SW2' STA = 750+06.53	PT 'SW2' STA = 749+49.39	PT 'SW2' STA = 748+40.33	PT 'SW2' STA = 748+04.54
Y = 575098.759	Y = 575132.363	Y = 575177.003	Y = 575229.461	Y = 575222.476
X = 863003.292	X = 863033.459	X = 863069.106	X = 863161.090	X = 863195.652
BK = S40° 56' 50.5"W	BK = S36° 16' 12.6"W	BK = S84° 20' 14.1"W	BK = N61° 29' 12.3"W	BK = N52° 40' 47.8"W
AH = S42° 53' 02.9"W	AH = S40° 56' 50.5"W	AH = S36° 16' 12.6"W	AH = S84° 20' 14.1"W	AH = N61° 29' 12.3"W

POL 'EB' STA = 29+50.00
Y = 574930.295
X = 862814.199

PI 'EB' STA = 31+62.16	PI 'EB' STA = 32+51.58	PI 'EB' STA = 33+58.93
Y = 575076.674	Y = 575142.215	Y = 575231.111
X = 862967.768	X = 863028.639	X = 863089.157
DELTA = 003°29'20.8"	DELTA = 008°38'17.1"	DELTA = 042°34'43.1"
D = 004°19'27.2"	D = 008°48'53.0"	D = 038°11'49.9"
T = 40.36'	T = 49.09'	T = 58.45'
L = 80.69'	L = 98.00'	L = 111.47'
R = 1325.00'	R = 650.00'	R = 150.00'
PC 'EB' STA = 31+21.80	PC 'EB' STA = 32+02.49	PC 'EB' STA = 33+00.48
Y = 575048.830	Y = 575106.244	Y = 575182.795
X = 862938.556	X = 862995.231	X = 863056.265
PT 'EB' STA = 32+02.49	PT 'EB' STA = 33+00.48	PT 'EB' STA = 34+11.95
Y = 575106.244	Y = 575182.795	Y = 575244.434
X = 862995.231	X = 863056.265	X = 863146.069
BK = N46° 22' 23.7"E	BK = N42° 53' 02.9"E	BK = N34° 14' 45.8"E
AH = N42° 53' 02.9"E	AH = N34° 14' 45.8"E	AH = N76° 49' 28.9"E



PROJECT NO: 3650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	ALIGNMENT DETAIL	SHEET 211	E

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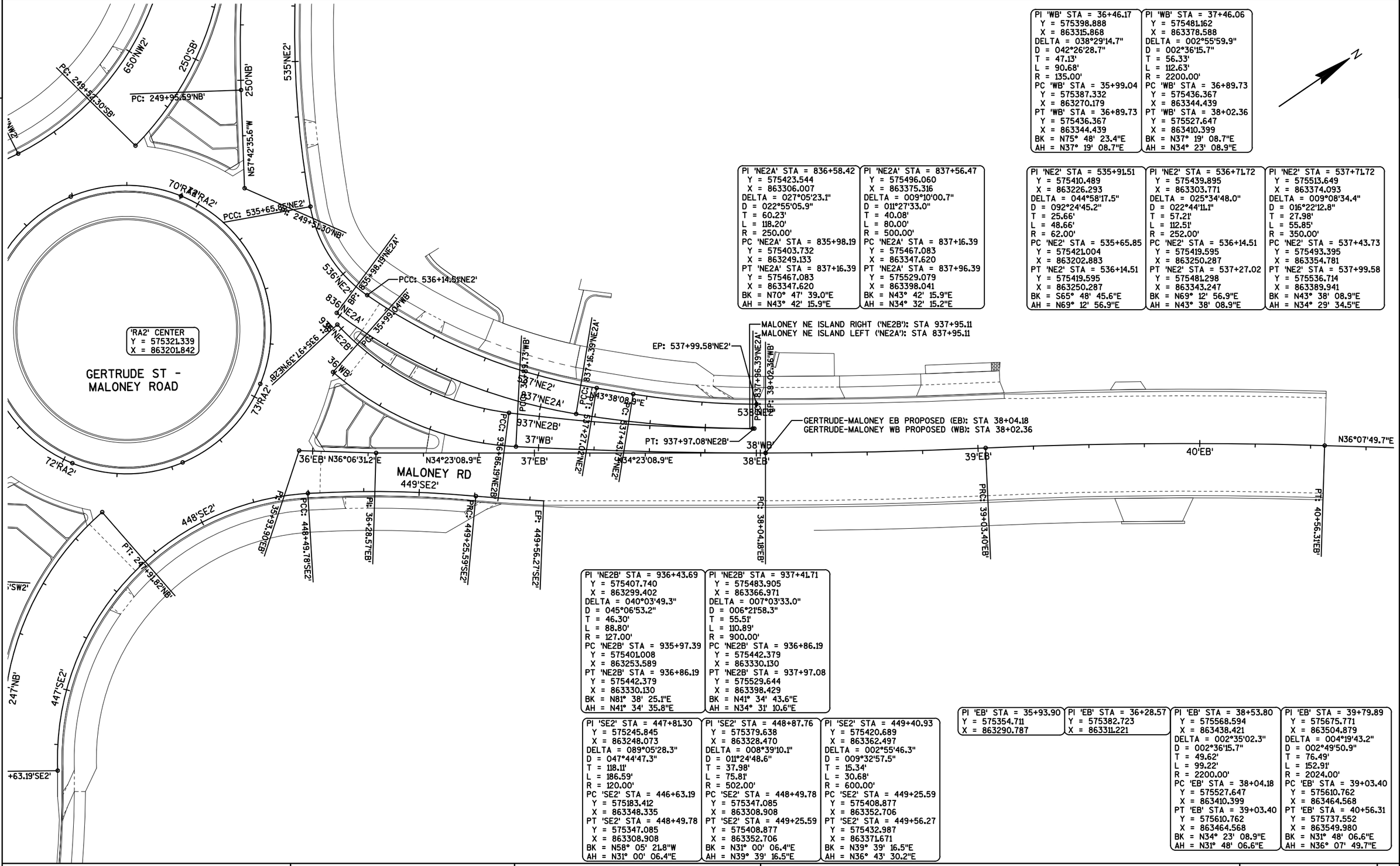

PI 'WB' STA = 36+46.17	PI 'WB' STA = 37+46.06
Y = 575398.888	Y = 575481.162
X = 863315.868	X = 863378.588
DELTA = 038°29'14.7"	DELTA = 002°55'59.9"
D = 042°26'28.7"	D = 002°36'15.7"
T = 47.13'	T = 56.33'
L = 90.68'	L = 112.63'
R = 135.00'	R = 2200.00'
PC 'WB' STA = 35+99.04	PC 'WB' STA = 36+89.73
Y = 575387.332	Y = 575436.367
X = 863270.179	X = 863344.439
PT 'WB' STA = 36+89.73	PT 'WB' STA = 38+02.36
Y = 575436.367	Y = 575527.647
X = 863344.439	X = 863410.399
BK = N75° 48' 23.4"E	BK = N37° 19' 08.7"E
AH = N37° 19' 08.7"E	AH = N34° 23' 08.9"E

PI 'NE2A' STA = 836+58.42	PI 'NE2A' STA = 837+56.47
Y = 575423.544	Y = 575496.060
X = 863306.007	X = 863375.316
DELTA = 027°05'23.1"	DELTA = 009°10'00.7"
D = 022°55'05.9"	D = 011°27'33.0"
T = 60.23'	T = 40.08'
L = 118.20'	L = 80.00'
R = 250.00'	R = 500.00'
PC 'NE2A' STA = 835+98.19	PC 'NE2A' STA = 837+16.39
Y = 575403.732	Y = 575467.083
X = 863249.133	X = 863347.620
PT 'NE2A' STA = 837+16.39	PT 'NE2A' STA = 837+96.39
Y = 575467.083	Y = 575529.079
X = 863347.620	X = 863398.041
BK = N70° 47' 39.0"E	BK = N43° 42' 15.9"E
AH = N43° 42' 15.9"E	AH = N34° 32' 15.2"E

PI 'NE2' STA = 535+91.51	PI 'NE2' STA = 536+71.72	PI 'NE2' STA = 537+71.72
Y = 575410.489	Y = 575439.895	Y = 575513.649
X = 863226.293	X = 863303.771	X = 863374.093
DELTA = 044°58'17.5"	DELTA = 025°34'48.0"	DELTA = 009°08'34.4"
D = 092°24'45.2"	D = 022°44'11.1"	D = 016°22'12.8"
T = 25.66'	T = 57.21'	T = 27.98'
L = 48.66'	L = 112.51'	L = 55.85'
R = 62.00'	R = 252.00'	R = 350.00'
PC 'NE2' STA = 535+65.85	PC 'NE2' STA = 536+14.51	PC 'NE2' STA = 537+43.73
Y = 575421.004	Y = 575419.595	Y = 575493.395
X = 863202.883	X = 863250.287	X = 863354.781
PT 'NE2' STA = 536+14.51	PT 'NE2' STA = 537+27.02	PT 'NE2' STA = 537+99.58
Y = 575419.595	Y = 575481.298	Y = 575536.714
X = 863250.287	X = 863343.247	X = 863389.941
BK = S65° 48' 45.6"E	BK = N69° 12' 56.9"E	BK = N43° 38' 08.9"E
AH = N69° 12' 56.9"E	AH = N43° 38' 08.9"E	AH = N34° 29' 34.5"E

PI 'NE2B' STA = 936+43.69	PI 'NE2B' STA = 937+41.71
Y = 575407.740	Y = 575483.905
X = 863299.402	X = 863366.971
DELTA = 040°03'49.3"	DELTA = 007°03'33.0"
D = 045°06'53.2"	D = 006°21'58.3"
T = 46.30'	T = 55.51'
L = 88.80'	L = 110.89'
R = 127.00'	R = 900.00'
PC 'NE2B' STA = 935+97.39	PC 'NE2B' STA = 936+86.19
Y = 575401.008	Y = 575442.379
X = 863253.589	X = 863330.130
PT 'NE2B' STA = 936+86.19	PT 'NE2B' STA = 937+97.08
Y = 575442.379	Y = 575529.644
X = 863330.130	X = 863398.429
BK = N81° 38' 25.1"E	BK = N41° 34' 43.6"E
AH = N41° 34' 35.8"E	AH = N34° 31' 10.6"E

PI 'SE2' STA = 447+81.30	PI 'SE2' STA = 448+87.76	PI 'SE2' STA = 449+40.93
Y = 575245.845	Y = 575379.638	Y = 575420.689
X = 863248.073	X = 863328.470	X = 863362.497
DELTA = 089°05'28.3"	DELTA = 008°39'10.1"	DELTA = 002°55'46.3"
D = 047°44'47.3"	D = 011°24'48.6"	D = 009°32'57.5"
T = 118.11'	T = 37.98'	T = 15.34'
L = 186.59'	L = 75.81'	L = 30.68'
R = 120.00'	R = 502.00'	R = 600.00'
PC 'SE2' STA = 446+63.19	PC 'SE2' STA = 448+49.78	PC 'SE2' STA = 449+25.59
Y = 575183.412	Y = 575347.085	Y = 575408.877
X = 863348.335	X = 863308.908	X = 863352.706
PT 'SE2' STA = 448+49.78	PT 'SE2' STA = 449+25.59	PT 'SE2' STA = 449+56.27
Y = 575347.085	Y = 575408.877	Y = 575432.987
X = 863308.908	X = 863352.706	X = 863371.671
BK = N58° 05' 21.8"W	BK = N31° 00' 06.4"E	BK = N39° 39' 16.5"E
AH = N31° 00' 06.4"E	AH = N39° 39' 16.5"E	AH = N36° 43' 30.2"E

PI 'EB' STA = 35+93.90	PI 'EB' STA = 36+28.57
Y = 575354.711	Y = 575382.723
X = 863290.787	X = 863311.221

PI 'EB' STA = 38+53.80	PI 'EB' STA = 39+79.89
Y = 575568.594	Y = 575675.771
X = 863438.421	X = 863504.879
DELTA = 002°35'02.3"	DELTA = 004°19'43.2"
D = 002°36'15.7"	D = 002°49'50.9"
T = 49.62'	T = 76.49'
L = 99.22'	L = 152.91'
R = 2200.00'	R = 2024.00'
PC 'EB' STA = 38+04.18	PC 'EB' STA = 39+03.40
Y = 575527.647	Y = 575610.762
X = 863410.399	X = 863464.568
PT 'EB' STA = 39+03.40	PT 'EB' STA = 40+56.31
Y = 575610.762	Y = 575737.552
X = 863464.568	X = 863549.980
BK = N34° 23' 08.9"E	BK = N31° 48' 06.6"E
AH = N31° 48' 06.6"E	AH = N36° 07' 49.7"E

PROJECT NO: 3650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	ALIGNMENT DETAIL	SHEET 212	E

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PI 'TA3' STA = 2+31.03
Y = 575698.298
X = 862820.378
DELTA = 033°02'02.0"
D = 081°51'04.0"
T = 20.76'
L = 40.36'
R = 70.00'
PC 'TA3' STA = 2+10.27
Y = 575705.621
X = 862800.955
PT 'TA3' STA = 2+50.63
Y = 575702.747
X = 862840.653
BK = S69° 20' 32.2"E
AH = N77° 37' 25.8"E

PI 'TA3' STA = 2+62.04
Y = 575705.192
X = 862851.798
DELTA = 016°14'01.6"
D = 071°37'11.0"
T = 11.41'
L = 22.67'
R = 80.00'
PC 'TA3' STA = 2+50.63
Y = 575702.747
X = 862840.653
PT 'TA3' STA = 2+73.29
Y = 575710.656
X = 862861.815
BK = N77° 37' 25.8"E
AH = N61° 23' 24.1"E

PI 'TA3' STA = 2+81.36
Y = 575714.519
X = 862868.898
DELTA = 056°33'01.3"
D = 381°58'18.7"
T = 8.07'
L = 14.80'
R = 15.00'
PC 'TA3' STA = 2+73.29
Y = 575710.656
X = 862861.815
PT 'TA3' STA = 2+88.10
Y = 575722.559
X = 862869.578
BK = N61° 23' 24.1"E
AH = N04° 50' 22.9"E

PI 'TA3' STA = 3+04.16
Y = 575738.564
X = 862870.934
DELTA = 025°50'47.4"
D = 081°51'04.0"
T = 16.06'
L = 31.58'
R = 70.00'
PC 'TA3' STA = 2+88.10
Y = 575722.559
X = 862869.578
PT 'TA3' STA = 3+19.68
Y = 575753.558
X = 862865.176
BK = N04° 50' 22.9"E
AH = N21° 00' 24.5"W

PI 'TA3' STA = 3+37.64
Y = 575770.331
X = 862858.735
DELTA = 014°07'38.8"
D = 039°30'51.6"
T = 17.97'
L = 35.75'
R = 145.00'
PC 'TA3' STA = 3+19.68
Y = 575753.558
X = 862865.176
PT 'TA3' STA = 3+55.43
Y = 575785.025
X = 862848.395
BK = N21° 00' 24.5"W
AH = N35° 08' 03.4"W

PI 'SB' STA = 250+16.47
Y = 575434.412
X = 863123.455
DELTA = 049°15'05.7"
D = 040°55'32.0"
T = 64.17'
L = 120.34'
R = 140.00'
PC 'SB' STA = 249+52.30
Y = 575371.406
X = 863135.643
PT 'SB' STA = 250+72.64
Y = 575466.305
X = 863067.768
BK = N10° 56' 52.3"W
AH = N60° 11' 58.0"W

PI 'SB' STA = 251+25.55
Y = 575492.602
X = 863021.851
DELTA = 010°59'26.6"
D = 010°25'02.7"
T = 52.91'
L = 105.50'
R = 550.00'
PC 'SB' STA = 250+72.64
Y = 575466.305
X = 863067.768
PT 'SB' STA = 251+78.14
Y = 575527.171
X = 862981.790
BK = N60° 11' 58.1"W
AH = N49° 12' 31.5"W

PI 'SB' STA = 253+10.49
Y = 575613.637
X = 862881.589

PI 'SB' STA = 253+76.70
Y = 575657.832
X = 862832.291

PI 'NB' STA = 249+51.30
Y = 575401.217
X = 863179.289

PI 'NB' STA = 250+48.37
Y = 575453.071
X = 863097.233
DELTA = 011°22'23.2"
D = 010°48'37.9"
T = 52.78'
L = 105.20'
R = 530.00'
PC 'NB' STA = 249+95.59
Y = 575424.878
X = 863141.847
PT 'NB' STA = 251+00.80
Y = 575489.508
X = 863059.055
BK = N57° 42' 35.6"W
AH = N46° 20' 12.5"W

PI 'NB' STA = 251+67.33
Y = 575534.809
X = 863010.325
DELTA = 009°30'30.5"
D = 007°09'43.1"
T = 66.53'
L = 132.76'
R = 800.00'
PC 'NB' STA = 251+00.80
Y = 575489.508
X = 863059.055
PT 'NB' STA = 252+33.56
Y = 575571.438
X = 862954.780
BK = N47° 05' 18.3"W
AH = N56° 35' 48.8"W

PI 'NB' STA = 253+04.76
Y = 575610.635
X = 862895.341
DELTA = 053°54'48.0"
D = 040°55'32.0"
T = 71.20'
L = 131.74'
R = 140.00'
PC 'NB' STA = 252+33.56
Y = 575571.438
X = 862954.780
PT 'NB' STA = 253+65.29
Y = 575681.758
X = 862892.008
BK = N56° 35' 48.8"W
AH = N02° 41' 00.8"W

'RA2' CENTER
Y = 575321.339
X = 863201.842

'RA3' CENTER
Y = 575740.820
X = 862833.693

PC: 33+37.24'WB'
PT: 33+77.11'WB'
PC: 34+10.97'WB'
PT: 34+11.95'EB'
PC: 249+52.30'SB'
PT: 251+78.14'SB'
PI: 253+10.49'SB'
PI: 253+76.70'SB'
PRC: 250+72.64'SB'
PRC: 251+00.80'NB'
PC: 249+95.59'NB'
PT: 249+51.30'NB'
PRC: 252+33.56'NB'
PC: 1200+53.26'BB'
BP: 1200+00.00'BB'
PCC: 2+10.27'TA3'
PCC: 2+50.63'TA3'
PCC: 2+73.29'TA3'
PCC: 2+88.10'TA3'
PC: 3+55.43'TA3'
EP: 1125+07.81'AB'
EP: 11+
PC: 36+89.73'WB'

STH 55 (DELANGLADE ST)
GERTRUDE ST
IH 41 NB ON RAMP
IH 41 NORTHBOUND RAMPS

N48°07'24.2"W
N49°12'31.8"W
N57°42'35.6"W
N34°53'18.9"E

2

PI 'NW2' STA = 650+13.64
Y = 575407.624
X = 863119.618
DELTA = 066°54'53.9"
D = 045°50'11.8"
T = 82.60'
L = 145.99'
R = 125.00'
PC 'NW2' STA = 649+31.04
Y = 575325.739
X = 863108.754
PT 'NW2' STA = 650+77.03
Y = 575449.725
X = 863048.550
BK = N07° 33' 27.6"E
AH = N59° 21' 26.3"W

PI 'NW2' STA = 651+21.26
Y = 575472.268
X = 863010.496
DELTA = 008°48'45.2"
D = 009°58'54.6"
T = 44.23'
L = 88.29'
R = 574.00'
PC 'NW2' STA = 650+77.03
Y = 575449.725
X = 863048.550
PT 'NW2' STA = 651+65.31
Y = 575500.376
X = 862976.345
BK = N59° 21' 26.3"W
AH = N50° 32' 41.1"W

PI 'NW2' STA = 653+85.29
Y = 575640.169
X = 862806.492
DELTA = 051°50'53.8"
D = 071°37'11.0"
T = 38.89'
L = 72.39'
R = 80.00'
PC 'NW2' STA = 653+46.41
Y = 575615.457
X = 862836.518
PT 'NW2' STA = 654+18.80
Y = 575631.823
X = 862768.511
BK = N50° 32' 41.1"W
AH = S77° 36' 25.1"W

PI 'NW2' STA = 654+32.68
Y = 575628.845
X = 862754.960
DELTA = 004°29'19.9"
D = 016°11'06.9"
T = 13.87'
L = 27.73'
R = 354.00'
PC 'NW2' STA = 654+18.80
Y = 575631.823
X = 862768.511
PT 'NW2' STA = 654+46.54
Y = 575626.937
X = 862741.218
BK = S77° 36' 25.1"W
AH = S82° 05' 45.0"W

PI 'NW2' STA = 655+11.35
Y = 575617.874
X = 862677.040

PI 'SE3A' STA = 452+08.34
Y = 575576.681
X = 862989.933
DELTA = 002°13'11.9"
D = 006°57'12.1"
T = 15.97'
L = 31.93'
R = 824.00'
PC 'SE3A' STA = 451+92.37
Y = 575567.218
X = 863002.792
PT 'SE3A' STA = 452+24.30
Y = 575585.639
X = 862976.718
BK = N53° 38' 49.5"W
AH = N55° 52' 01.4"W

PI 'SE3A' STA = 453+16.37
Y = 575637.303
X = 862900.506
DELTA = 073°11'22.5"
D = 046°12'22.6"
T = 92.07'
L = 158.40'
R = 124.00'
PC 'SE3A' STA = 452+24.30
Y = 575585.639
X = 862976.718
PT 'SE3A' STA = 453+82.69
Y = 575725.200
X = 862927.921
BK = N55° 52' 01.4"W
AH = N17° 19' 21.1"E

PI 'SE3B' STA = 652+31.86
Y = 575599.421
X = 862979.940
DELTA = 008°45'08.1"
D = 011°06'13.8"
T = 39.49'
L = 78.82'
R = 516.00'
PC 'SE3B' STA = 651+92.37
Y = 575567.218
X = 863002.792
PT 'SE3B' STA = 652+71.19
Y = 575634.727
X = 862962.254
BK = N35° 21' 34.5"W
AH = N26° 36' 26.4"W

PI 'SE3B' STA = 653+18.72
Y = 575677.218
X = 862940.969
DELTA = 020°15'34.0"
D = 021°32'23.2"
T = 47.52'
L = 94.06'
R = 266.00'
PC 'SE3B' STA = 652+71.19
Y = 575634.727
X = 862962.254
PT 'SE3B' STA = 653+65.25
Y = 575724.451
X = 862935.715
BK = N26° 36' 26.4"W
AH = N06° 20' 52.4"W

PI 'NE2' STA = 535+91.51
Y = 575410.489
X = 863226.293
DELTA = 044°58'17.5"
D = 092°24'45.2"
T = 25.66'
L = 48.66'
R = 62.00'
PC 'NE2' STA = 535+65.85
Y = 575421.004
X = 863202.883
PT 'NE2' STA = 536+14.51
Y = 575419.595
X = 863250.287
BK = S65° 48' 45.6"E
AH = N69° 12' 56.9"E

PI 'NE2' STA = 534+78.83
Y = 575457.592
X = 863121.421
DELTA = 022°26'55.7"
D = 012°43'56.6"
T = 89.30'
L = 176.31'
R = 450.00'
PC 'NE2' STA = 533+89.53
Y = 575522.515
X = 863060.104
PT 'NE2' STA = 535+65.85
Y = 575421.004
X = 863202.883
BK = S43° 21' 49.9"E
AH = S65° 48' 45.6"E

PI 'NE2' STA = 533+16.94
Y = 575576.052
X = 863009.541
DELTA = 016°45'23.5"
D = 011°27'33.0"
T = 73.64'
L = 146.23'
R = 500.00'
PC 'NE2' STA = 532+43.31
Y = 575641.893
X = 862976.560
PT 'NE2' STA = 533+89.53
Y = 575522.515
X = 863060.104
BK = S26° 36' 26.4"E
AH = S43° 21' 49.9"E

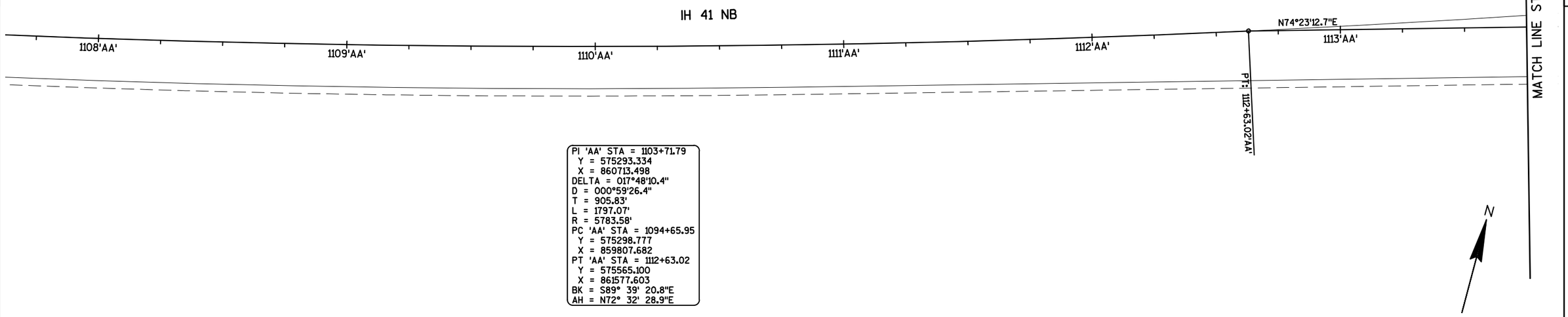
PI 'NE2' STA = 533+16.94
Y = 575576.052
X = 863009.541
DELTA = 016°45'23.5"
D = 011°27'33.0"
T = 73.64'
L = 146.23'
R = 500.00'
PC 'NE2' STA = 532+43.31
Y = 575641.893
X = 862976.560
PT 'NE2' STA = 533+89.53
Y = 575522.515
X = 863060.104
BK = S26° 36' 26.4"E
AH = S43° 21' 49.9"E

PI 'NE2' STA = 531+84.47
Y = 575696.604
X = 862949.154
DELTA = 027°30'26.6"
D = 022°55'05.9"
T = 61.19'
L = 120.02'
R = 250.00'
PC 'NE2' STA = 531+23.28
Y = 575757.789
X = 862950.115
PT 'NE2' STA = 532+43.31
Y = 575641.893
X = 862976.560
BK = S00° 54' 00.2"W
AH = S26° 36' 26.4"E

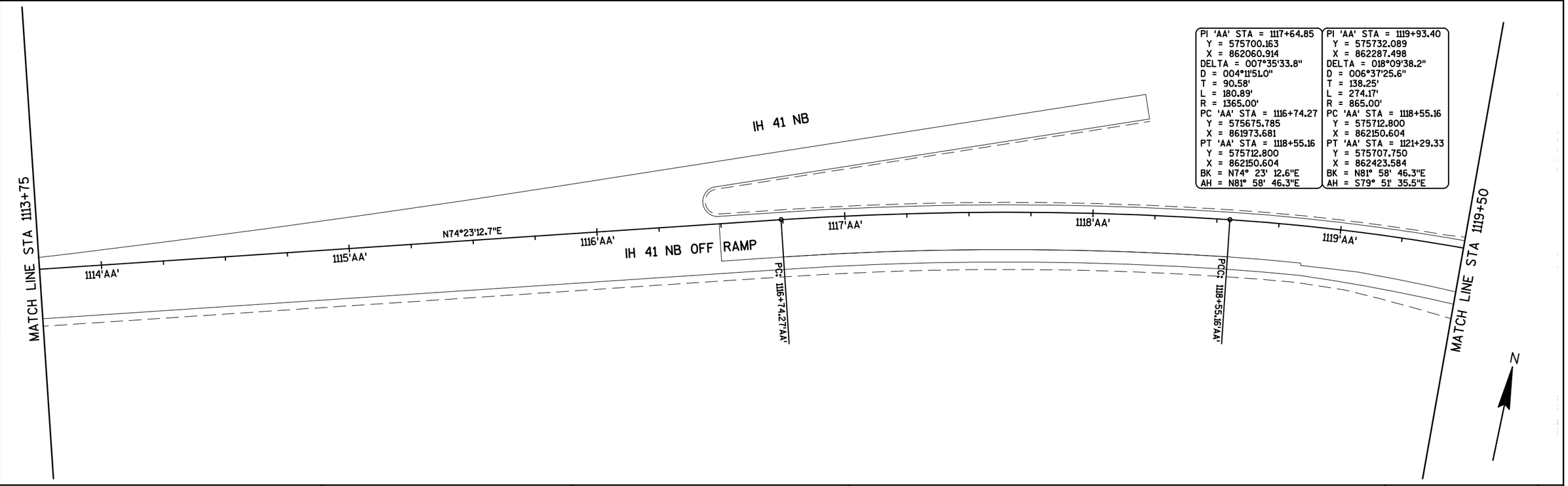
PI 'NE2' STA = 530+98.95
Y = 575783.620
X = 862950.521
DELTA = 033°48'44.1"
D = 067°24'24.5"
T = 25.83'
L = 50.16'
R = 85.00'
PC 'NE2' STA = 530+73.12
Y = 575804.857
X = 862965.233
PT 'NE2' STA = 531+23.28
Y = 575757.789
X = 862950.115
BK = S34° 42' 44.2"W
AH = S00° 54' 00.2"W

PROJECT NO: 3650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	ALIGNMENT DETAIL	SHEET 214	E

2



PI 'AA' STA = 1103+71.79
Y = 575293.334
X = 860713.498
DELTA = 017°48'10.4"
D = 000°59'26.4"
T = 905.83'
L = 1797.07'
R = 5783.58'
PC 'AA' STA = 1094+65.95
Y = 575298.777
X = 859807.682
PT 'AA' STA = 1112+63.02
Y = 575565.100
X = 861577.603
BK = S89° 39' 20.8"E
AH = N72° 32' 28.9"E



PI 'AA' STA = 1117+64.85
Y = 575700.163
X = 862060.914
DELTA = 007°35'33.8"
D = 004°11'51.0"
T = 90.58'
L = 180.89'
R = 1365.00'
PC 'AA' STA = 1116+74.27
Y = 575675.785
X = 861973.681
PT 'AA' STA = 1118+55.16
Y = 575712.800
X = 862150.604
BK = N74° 23' 12.6"E
AH = N81° 58' 46.3"E

PI 'AA' STA = 1119+93.40
Y = 575732.089
X = 862287.498
DELTA = 018°09'38.2"
D = 006°37'25.6"
T = 138.25'
L = 274.17'
R = 865.00'
PC 'AA' STA = 1118+55.16
Y = 575712.800
X = 862150.604
PT 'AA' STA = 1121+29.33
Y = 575707.750
X = 862423.584
BK = N81° 58' 46.3"E
AH = S79° 51' 35.5"E

PROJECT NO: 3650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	ALIGNMENT DETAIL	SHEET 215	E

2

PI 'AA' STA = 1119+93.40
Y = 575732.089
X = 862287.498
DELTA = 018°09'38.2"
D = 006°37'25.6"
T = 138.25'
L = 274.17'
R = 865.00'
PC 'AA' STA = 1118+55.16
Y = 575712.800
X = 862150.604
PT 'AA' STA = 1121+29.33
Y = 575707.750
X = 862423.584
BK = N81° 58' 46.3"E
AH = S79° 51' 35.5"E

PI 'AA' STA = 1122+95.68
Y = 575678.464
X = 862587.334
DELTA = 027°30'37.5"
D = 016°51'06.1"
T = 83.23'
L = 163.25'
R = 340.00'
PC 'AA' STA = 1122+12.45
Y = 575693.117
X = 862505.403
PT 'AA' STA = 1123+75.70
Y = 575703.312
X = 862666.768
BK = S79° 51' 35.5"E
AH = N72° 37' 47.0"E

PI 'AA' STA = 1124+16.61
Y = 575715.527
X = 862705.817
DELTA = 031°30'54.2"
D = 039°30'51.6"
T = 40.91'
L = 79.76'
R = 145.00'
PC 'AA' STA = 1123+75.70
Y = 575703.312
X = 862666.768
PT 'AA' STA = 1124+55.46
Y = 575705.528
X = 862745.491
BK = N72° 37' 47.0"E
AH = S75° 51' 18.7"E

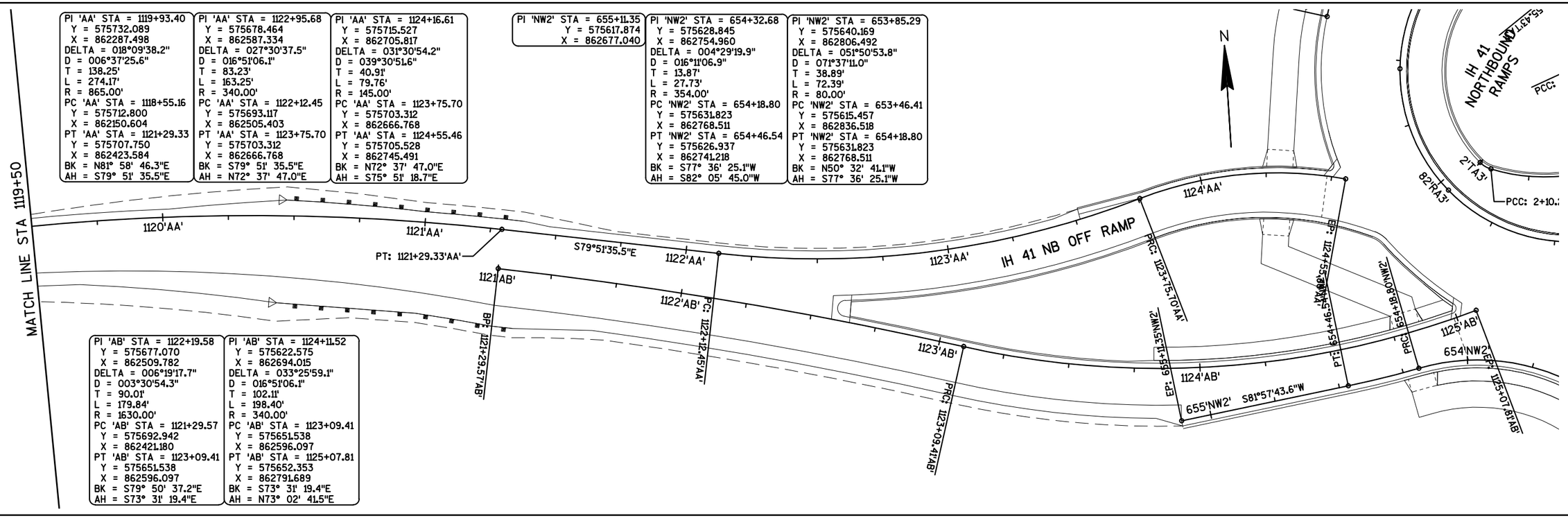
PI 'NW2' STA = 655+11.35
Y = 575617.874
X = 862677.040

PI 'NW2' STA = 654+32.68
Y = 575628.845
X = 862754.960
DELTA = 004°29'19.9"
D = 016°11'06.9"
T = 13.87'
L = 27.73'
R = 354.00'
PC 'NW2' STA = 654+18.80
Y = 575631.823
X = 862768.511
PT 'NW2' STA = 654+46.54
Y = 575626.937
X = 862741.218
BK = S77° 36' 25.1"W
AH = S82° 05' 45.0"W

PI 'NW2' STA = 653+85.29
Y = 575640.169
X = 862806.492
DELTA = 051°50'53.8"
D = 071°37'11.0"
T = 38.89'
L = 72.39'
R = 80.00'
PC 'NW2' STA = 653+46.41
Y = 575615.457
X = 862836.518
PT 'NW2' STA = 654+18.80
Y = 575631.823
X = 862768.511
BK = N50° 32' 41.1"W
AH = S77° 36' 25.1"W

PI 'AB' STA = 1122+19.58
Y = 575677.070
X = 862509.782
DELTA = 006°19'17.7"
D = 003°30'54.3"
T = 90.01'
L = 179.84'
R = 1630.00'
PC 'AB' STA = 1121+29.57
Y = 575692.942
X = 862421.180
PT 'AB' STA = 1123+09.41
Y = 575651.538
X = 862596.097
BK = S79° 50' 37.2"E
AH = S73° 31' 19.4"E

PI 'AB' STA = 1124+11.52
Y = 575622.575
X = 862694.015
DELTA = 033°25'59.1"
D = 016°51'06.1"
T = 102.11'
L = 198.40'
R = 340.00'
PC 'AB' STA = 1123+09.41
Y = 575651.538
X = 862596.097
PT 'AB' STA = 1125+07.81
Y = 575652.353
X = 862791.689
BK = S73° 31' 19.4"E
AH = N73° 02' 41.5"E



PI 'BB' STA = 1202+05.02
Y = 575940.766
X = 863040.492
DELTA = 018°48'51.6"
D = 006°15'18.0"
T = 151.76'
L = 300.79'
R = 916.00'
PC 'BB' STA = 1200+53.26
Y = 575816.282
X = 862953.688
PT 'BB' STA = 1203+54.05
Y = 576030.604
X = 863162.805
BK = N34° 53' 18.6"E
AH = N53° 42' 10.2"E

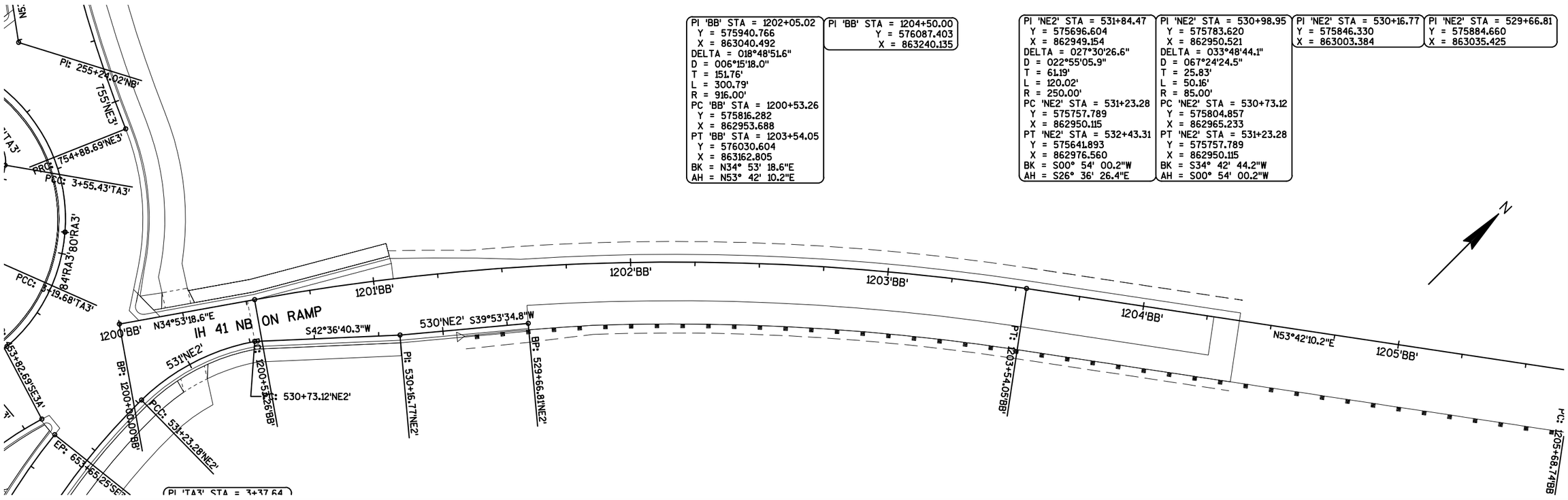
PI 'BB' STA = 1204+50.00
Y = 576087.403
X = 863240.135

PI 'NE2' STA = 531+84.47
Y = 575696.604
X = 862949.154
DELTA = 027°30'26.6"
D = 022°55'05.9"
T = 61.19'
L = 120.02'
R = 250.00'
PC 'NE2' STA = 531+23.28
Y = 575757.789
X = 862950.115
PT 'NE2' STA = 532+43.31
Y = 575641.893
X = 862976.560
BK = S00° 54' 00.2"W
AH = S26° 36' 26.4"E

PI 'NE2' STA = 530+98.95
Y = 575783.620
X = 862950.521
DELTA = 033°48'44.1"
D = 067°24'24.5"
T = 25.83'
L = 50.16'
R = 85.00'
PC 'NE2' STA = 530+73.12
Y = 575804.857
X = 862965.233
PT 'NE2' STA = 531+23.28
Y = 575757.789
X = 862950.115
BK = S34° 42' 44.2"W
AH = S00° 54' 00.2"W

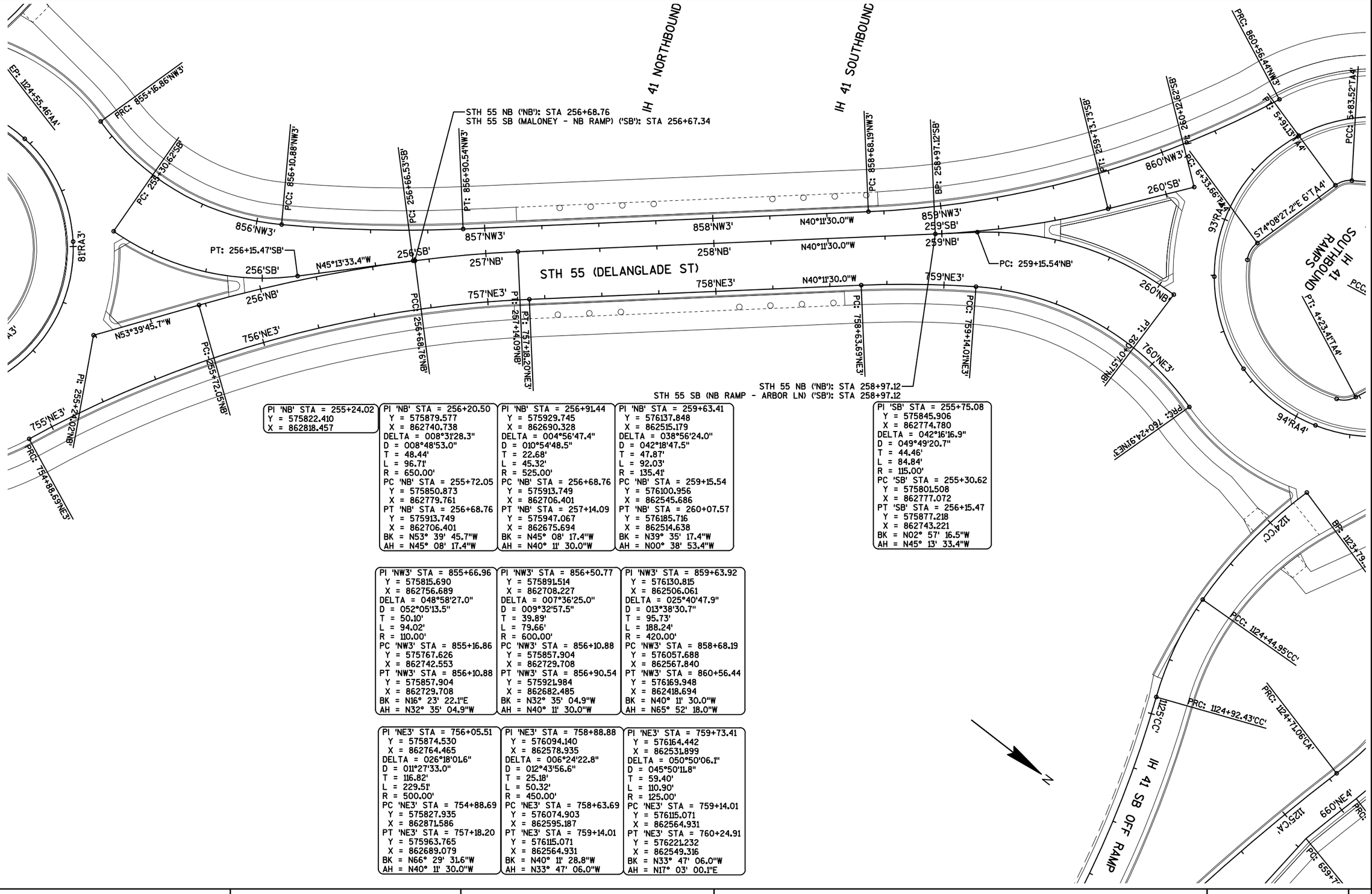
PI 'NE2' STA = 530+16.77
Y = 575846.330
X = 863003.384

PI 'NE2' STA = 529+66.81
Y = 575884.660
X = 863035.425



PROJECT NO: 3650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	ALIGNMENT DETAIL	SHEET 216	E

2



PI 'NB' STA = 255+24.02
Y = 575822.410
X = 862818.457

PI 'NB' STA = 256+20.50
Y = 575879.577
X = 862740.738
DELTA = 008°31'28.3"
D = 008°48'53.0"
T = 48.44'
L = 96.71'
R = 650.00'
PC 'NB' STA = 255+72.05
Y = 575850.873
X = 862779.761
PT 'NB' STA = 256+68.76
Y = 575913.749
X = 862706.401
BK = N53° 39' 45.7"W
AH = N45° 08' 17.4"W

PI 'NB' STA = 256+91.44
Y = 575929.745
X = 862690.328
DELTA = 004°56'47.4"
D = 010°54'48.5"
T = 22.68'
L = 45.32'
R = 525.00'
PC 'NB' STA = 256+68.76
Y = 575913.749
X = 862706.401
PT 'NB' STA = 257+14.09
Y = 575947.067
X = 862675.694
BK = N45° 08' 17.4"W
AH = N40° 11' 30.0"W

PI 'NB' STA = 259+63.41
Y = 576137.848
X = 862515.179
DELTA = 038°56'24.0"
D = 042°18'47.5"
T = 47.87'
L = 92.03'
R = 135.41'
PC 'NB' STA = 259+15.54
Y = 576100.956
X = 862545.686
PT 'NB' STA = 260+07.57
Y = 576185.716
X = 862514.638
BK = N39° 35' 17.4"W
AH = N00° 38' 53.4"W

PI 'SB' STA = 255+75.08
Y = 575845.906
X = 862774.780
DELTA = 042°16'16.9"
D = 049°49'20.7"
T = 44.46'
L = 84.84'
R = 115.00'
PC 'SB' STA = 255+30.62
Y = 575801.508
X = 862777.072
PT 'SB' STA = 256+15.47
Y = 575877.218
X = 862743.221
BK = N02° 57' 16.5"W
AH = N45° 13' 33.4"W

PI 'NW3' STA = 855+66.96
Y = 575815.690
X = 862756.689
DELTA = 048°58'27.0"
D = 052°05'13.5"
T = 50.10'
L = 94.02'
R = 110.00'
PC 'NW3' STA = 855+16.86
Y = 575767.626
X = 862742.553
PT 'NW3' STA = 856+10.88
Y = 575857.904
X = 862729.708
BK = N16° 23' 22.1"E
AH = N32° 35' 04.9"W

PI 'NW3' STA = 856+50.77
Y = 575891.514
X = 862708.227
DELTA = 007°36'25.0"
D = 009°32'57.5"
T = 39.89'
L = 79.66'
R = 600.00'
PC 'NW3' STA = 856+10.88
Y = 575857.904
X = 862729.708
PT 'NW3' STA = 856+90.54
Y = 575921.984
X = 862682.485
BK = N32° 35' 04.9"W
AH = N40° 11' 30.0"W

PI 'NW3' STA = 859+63.92
Y = 576130.815
X = 862506.061
DELTA = 025°40'47.9"
D = 013°38'30.7"
T = 95.73'
L = 188.24'
R = 420.00'
PC 'NW3' STA = 858+68.19
Y = 576057.688
X = 862567.840
PT 'NW3' STA = 860+56.44
Y = 576169.948
X = 862418.694
BK = N40° 11' 30.0"W
AH = N65° 52' 18.0"W

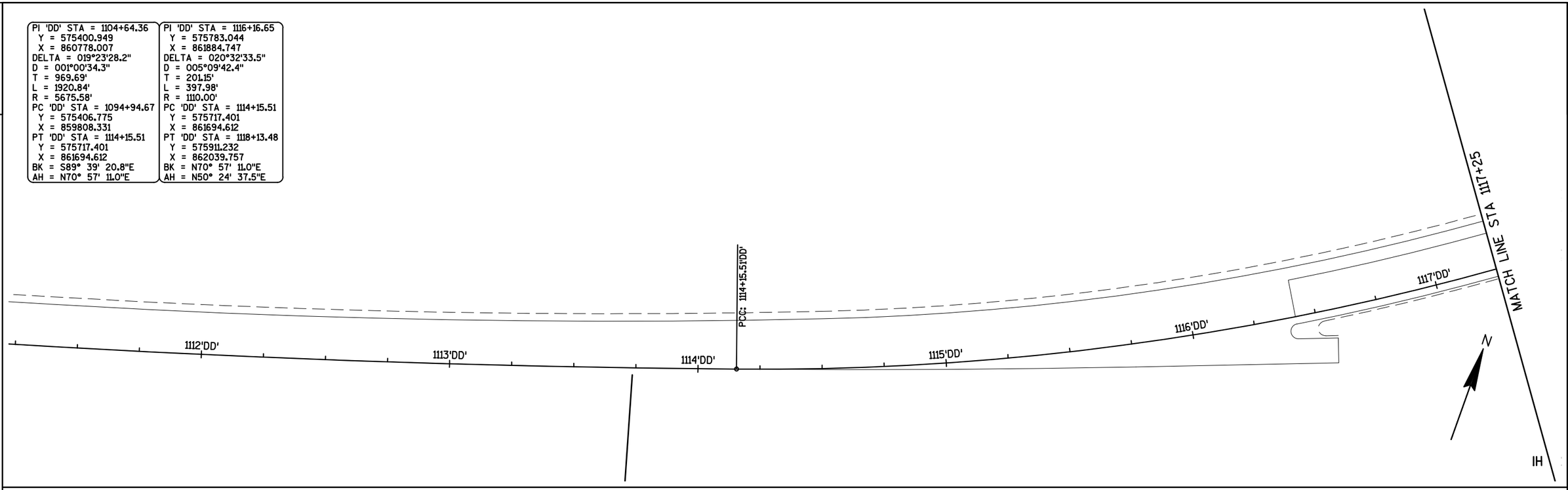
PI 'NE3' STA = 756+05.51
Y = 575874.530
X = 862764.465
DELTA = 026°18'01.6"
D = 011°27'33.0"
T = 116.82'
L = 229.51'
R = 500.00'
PC 'NE3' STA = 754+88.69
Y = 575827.935
X = 862871.586
PT 'NE3' STA = 757+18.20
Y = 575963.765
X = 862689.079
BK = N66° 29' 31.6"W
AH = N40° 11' 30.0"W

PI 'NE3' STA = 758+88.88
Y = 576094.140
X = 862578.935
DELTA = 006°24'22.8"
D = 012°43'56.6"
T = 25.18'
L = 50.32'
R = 450.00'
PC 'NE3' STA = 758+63.69
Y = 576074.903
X = 862595.187
PT 'NE3' STA = 759+14.01
Y = 576115.071
X = 862564.931
BK = N40° 11' 28.8"W
AH = N33° 47' 06.0"W

PI 'NE3' STA = 759+73.41
Y = 576164.442
X = 862531.899
DELTA = 050°50'06.1"
D = 045°50'11.8"
T = 59.40'
L = 110.90'
R = 125.00'
PC 'NE3' STA = 759+14.01
Y = 576115.071
X = 862564.931
PT 'NE3' STA = 760+24.91
Y = 576221.232
X = 862549.316
BK = N33° 47' 06.0"W
AH = N17° 03' 00.1"E

PI 'DD' STA = 1104+64.36
Y = 575400.949
X = 860778.007
DELTA = 019°23'28.2"
D = 001°00'34.3"
T = 969.69'
L = 1920.84'
R = 5675.58'
PC 'DD' STA = 1094+94.67
Y = 575406.775
X = 859808.331
PT 'DD' STA = 1114+15.51
Y = 575717.401
X = 861694.612
BK = S89° 39' 20.8"E
AH = N70° 57' 11.0"E

PI 'DD' STA = 1116+16.65
Y = 575783.044
X = 861884.747
DELTA = 020°32'33.5"
D = 005°09'42.4"
T = 201.15'
L = 397.98'
R = 1110.00'
PC 'DD' STA = 1114+15.51
Y = 575717.401
X = 861694.612
PT 'DD' STA = 1118+13.48
Y = 575911.232
X = 862039.757
BK = N70° 57' 11.0"E
AH = N50° 24' 37.5"E

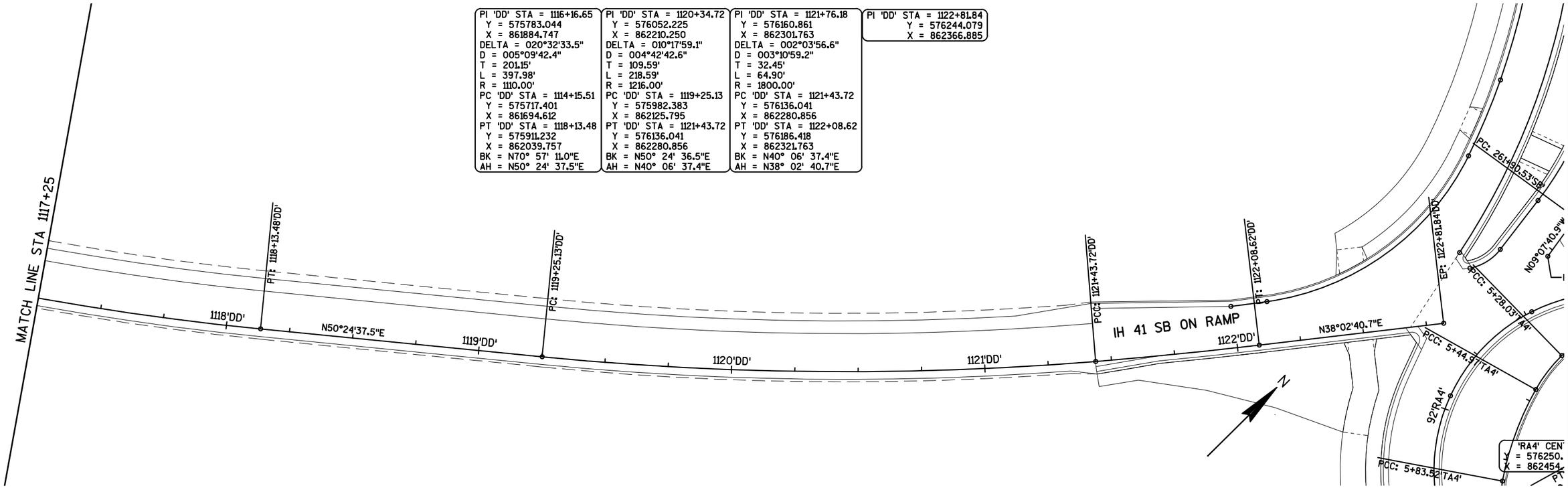


PI 'DD' STA = 1116+16.65
Y = 575783.044
X = 861884.747
DELTA = 020°32'33.5"
D = 005°09'42.4"
T = 201.15'
L = 397.98'
R = 1110.00'
PC 'DD' STA = 1114+15.51
Y = 575717.401
X = 861694.612
PT 'DD' STA = 1118+13.48
Y = 575911.232
X = 862039.757
BK = N70° 57' 11.0"E
AH = N50° 24' 37.5"E

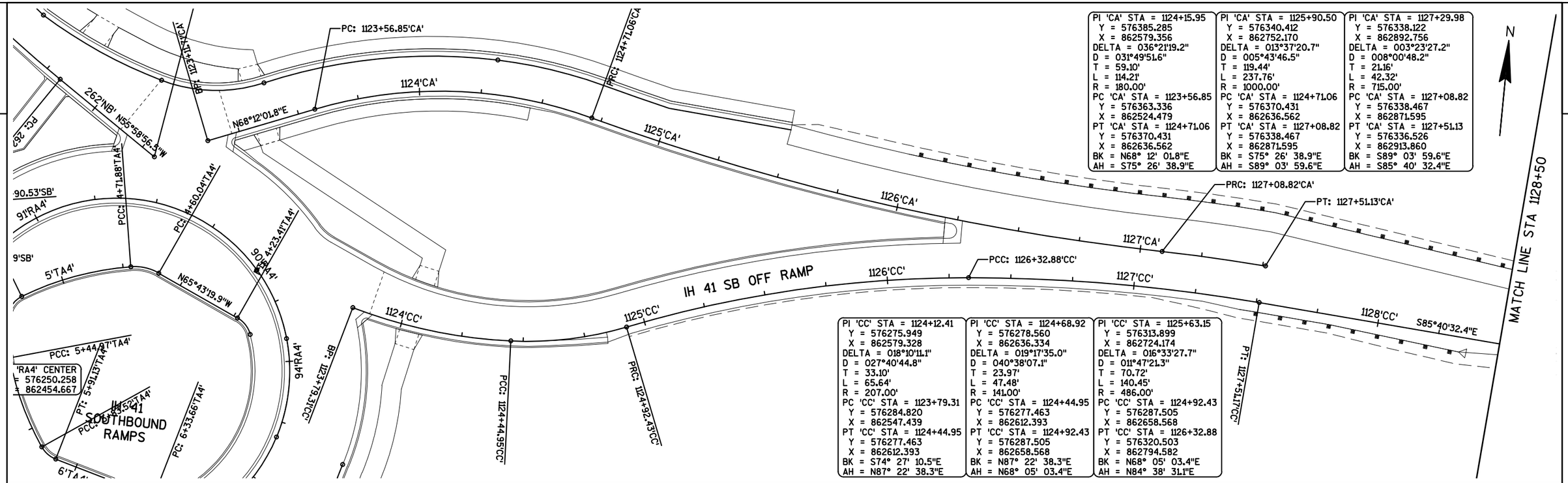
PI 'DD' STA = 1120+34.72
Y = 576052.225
X = 862210.250
DELTA = 010°17'59.1"
D = 004°42'42.6"
T = 109.59'
L = 218.59'
R = 1216.00'
PC 'DD' STA = 1119+25.13
Y = 575982.383
X = 862125.795
PT 'DD' STA = 1121+43.72
Y = 576136.041
X = 862280.856
BK = N50° 24' 36.5"E
AH = N40° 06' 37.4"E

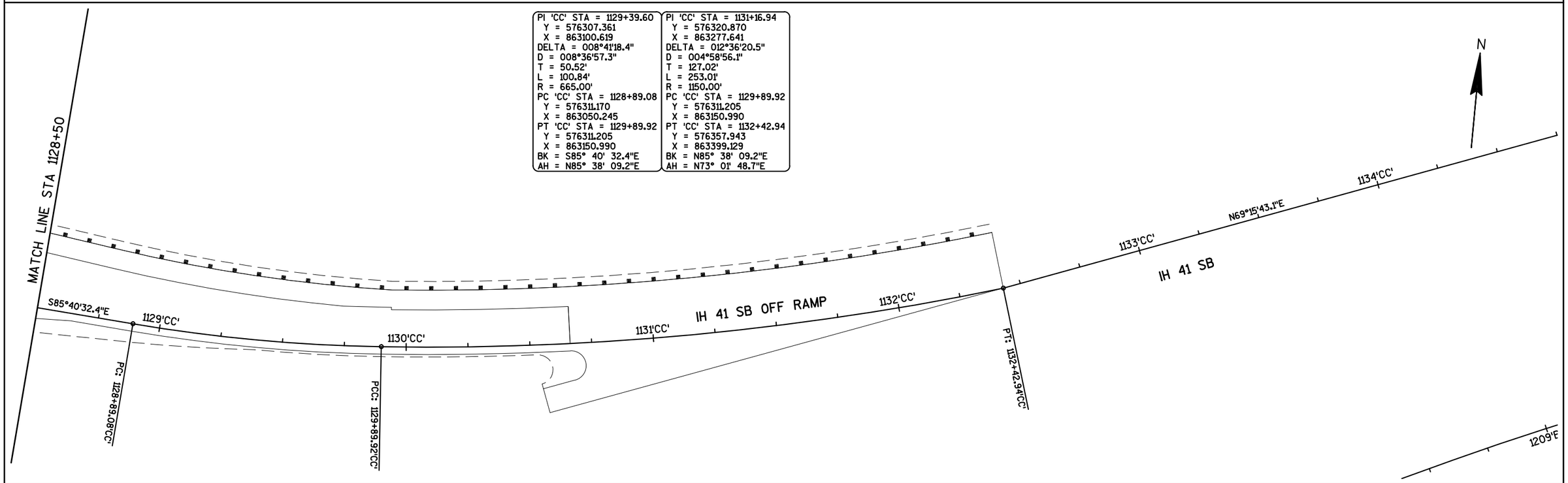
PI 'DD' STA = 1121+76.18
Y = 576160.861
X = 862301.763
DELTA = 002°03'56.6"
D = 003°10'59.2"
T = 32.45'
L = 64.90'
R = 1800.00'
PC 'DD' STA = 1121+43.72
Y = 576136.041
X = 862280.856
PT 'DD' STA = 1122+08.62
Y = 576186.418
X = 862321.763
BK = N40° 06' 37.4"E
AH = N38° 02' 40.7"E

PI 'DD' STA = 1122+81.84
Y = 576244.079
X = 862366.885



PROJECT NO: 3650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	ALIGNMENT DETAIL	SHEET 218	E





PROJECT NO: 3650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	ALIGNMENT DETAIL	SHEET 219	E

2

SB ON RAMP

1122'DD'

PT: 1122+08.62'DD'

N38°02'40.7"E

EP: 1122+81.84'DD'

92'RA4'

PC: 5+83.52'TA4'

PT: 5+91.13'TA4'

PC: 6+33.66'TA4'

PI: 6+20.12'SB'

260'SB'

93'RA4'

S74°08'27.2"E 6'TA4'

PCC: 5+44.97'TA4'

PCC: 5+28.03'TA4'

PCC: 5+17.92'TA4'

PI: 261+71.79'SB'

N09°07'40.9"W

262'SB'

PC: 261+80.53'SB'

PT: 262+89.60'SB'

PC: 264+56.91'SB'

266'SB'

265'SB'

264'SB'

N49°40'24.2"W

263'SB'

STH 55 (DELANGLADE ST)

266'NB'

265'NB'

264'NB'

N51°40'08.4"W

263'NB'

PC: 264+16.60'NB'

MATCH LINE STA 266+25

N

IH 41 SOUTHBOUND RAMPS

'RA4' CENTER
Y = 576250.258
X = 862454.667

PCC: 5+17.92'TA4'

PC: 4+60.04'TA4'

PCC: 4+71.88'TA4'

PT: 4+23.41'TA4'

5'TA4'

91'RA4'

N65°43'19.9"W

94'RA4'

90'RA4'

BP: 1123+11.71'CA'

N56°58'56.5"W 262'NB'

PC: 262+18.19'NB'

PT: 262+55.83'NB'

PI: 261+68.81'NB'

N68°12'01.8"E

112'CC'

BP: 1123+79.31'CC'

PCC: 1124+44.95'CC'

PRC: 1124+92.43'CC'

PRC: 1124+71.06'

112'CA'

PC: 1123+56.85'CA'

PI 'SB' STA = 261+71.79
Y = 576291.808
X = 862377.094

PI 'SB' STA = 262+42.24
Y = 576361.366
X = 862365.917
DELTA = 040°32'43.2"
D = 040°55'32.0"
T = 51.71'
L = 99.07'
R = 140.00'
PC 'SB' STA = 261+90.53
Y = 576310.309
X = 862374.121
PT 'SB' STA = 262+89.60
Y = 576394.831
X = 862326.494
BK = N09° 07' 41.0"W
AH = N49° 40' 24.2"W

PI 'SB' STA = 265+69.53
Y = 576575.985
X = 862113.085
DELTA = 011°38'58.7"
D = 005°11'23.4"
T = 112.62'
L = 224.47'
R = 1104.00'
PC 'SB' STA = 264+56.91
Y = 576503.102
X = 862198.946
PT 'SB' STA = 266+81.38
Y = 576664.705
X = 862043.710
BK = N49° 40' 24.2"W
AH = N38° 01' 25.5"W

PI 'TA4' STA = 4+66.14
Y = 576293.788
X = 862462.323
DELTA = 033°54'14.6"
D = 286°28'44.0"
T = 6.10'
L = 11.83'
R = 20.00'
PC 'TA4' STA = 4+60.04
Y = 576291.282
X = 862467.880
PT 'TA4' STA = 4+71.88
Y = 576292.769
X = 862456.312
BK = N65° 43' 19.9"W
AH = S80° 22' 25.5"W

PI 'TA4' STA = 4+95.19
Y = 576288.871
X = 862433.331
DELTA = 021°59'07.3"
D = 047°44'47.3"
T = 23.31'
L = 46.05'
R = 120.00'
PC 'TA4' STA = 4+71.88
Y = 576292.769
X = 862456.312
PT 'TA4' STA = 5+17.92
Y = 576276.653
X = 862413.480
BK = S80° 22' 25.5"W
AH = S58° 23' 18.2"W

PI 'TA4' STA = 5+23.46
Y = 576273.752
X = 862408.767
DELTA = 057°55'26.1"
D = 572°57'28.1"
T = 5.53'
L = 10.11'
R = 10.00'
PC 'TA4' STA = 5+17.92
Y = 576276.653
X = 862413.480
PT 'TA4' STA = 5+28.03
Y = 576268.218
X = 862408.722
BK = S58° 23' 18.3"W
AH = S00° 27' 52.2"W

PI 'TA4' STA = 5+36.56
Y = 576259.692
X = 862408.649
DELTA = 016°26'43.6"
D = 097°06'41.4"
T = 8.53'
L = 16.93'
R = 59.00'
PC 'TA4' STA = 5+28.03
Y = 576268.218
X = 862408.722
PT 'TA4' STA = 5+44.97
Y = 576251.495
X = 862410.993
BK = S00° 29' 22.8"W
AH = S15° 57' 20.7"E

PI 'TA4' STA = 5+64.41
Y = 576232.797
X = 862416.339
DELTA = 018°33'46.4"
D = 048°08'51.8"
T = 19.45'
L = 38.55'
R = 119.00'
PC 'TA4' STA = 5+44.97
Y = 576251.495
X = 862410.993
PT 'TA4' STA = 5+83.52
Y = 576216.773
X = 862427.359
BK = S15° 57' 20.7"E
AH = S34° 31' 07.1"E

PI 'TA4' STA = 5+87.48
Y = 576213.508
X = 862429.605
DELTA = 039°37'20.0"
D = 520°52'14.6"
T = 3.96'
L = 7.61'
R = 11.00'
PC 'TA4' STA = 5+83.52
Y = 576216.773
X = 862427.359
PT 'TA4' STA = 5+91.13
Y = 576212.425
X = 862433.416
BK = S34° 31' 07.1"E
AH = S74° 08' 27.2"E

PI 'NB' STA = 261+68.81
Y = 576337.986
X = 862461.606

PI 'NB' STA = 262+37.02
Y = 576376.145
X = 862405.069
DELTA = 004°18'48.1"
D = 011°27'33.0"
T = 18.83'
L = 37.64'
R = 500.00'
PC 'NB' STA = 262+18.19
Y = 576365.611
X = 862420.676
PT 'NB' STA = 262+55.83
Y = 576387.824
X = 862390.299
BK = N55° 58' 56.5"W
AH = N51° 40' 08.4"W

PI 'NB' STA = 265+67.58
Y = 576581.174
X = 862145.746
DELTA = 011°29'44.2"
D = 003°49'11.0"
T = 150.98'
L = 300.95'
R = 1500.00'
PC 'NB' STA = 264+16.60
Y = 576487.533
X = 862264.185
PT 'NB' STA = 267+17.55
Y = 576696.540
X = 862048.346
BK = N51° 40' 08.7"W
AH = N40° 10' 24.5"W

PROJECT NO: 3650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	ALIGNMENT DETAIL	SHEET 220	E

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PI 'NB' STA = 265+67.58	PI 'SB' STA = 268+28.87	POL 'SB' STA = 271+00.00
Y = 576581.174	Y = 576780.890	Y = 576988.200
X = 862145.746	X = 861952.859	X = 861778.062
DELTA = 011°29'44.2"	DELTA = 002°06'46.5"	
D = 003°49'11.0"	D = 000°42'59.0"	
T = 150.98'	T = 147.49'	
L = 300.95'	L = 294.94'	
R = 1500.00'	R = 7998.00'	
PC 'NB' STA = 264+16.60	PC 'SB' STA = 266+81.38	
Y = 576487.533	Y = 576664.705	
X = 862264.185	X = 862043.710	
PT 'NB' STA = 267+17.55	PT 'SB' STA = 269+76.32	
Y = 576696.540	Y = 576893.646	
X = 862048.346	X = 861857.786	
BK = N51° 40' 08.7"W	BK = N38° 01' 25.5"W	
AH = N40° 10' 24.5"W	AH = N40° 08' 11.9"W	

N

ARBOR WAY

PRC: 266+81.38'SB'

PT: 269+76.32'SB'

MATCH LINE STA 266+25

267'SB' 268'SB' 269'SB' 270'SB' N40°08'11.9"W 271'SB' 272'SB'

267'NB' 268'NB' N40°10'24.5"W 269'NB' 270'NB' 271'NB' 272'NB'

STH 55 (DELANGLADE ST)

PT: 267+17.55'NB'

PI 'NB' STA = 265+67.58	POL 'NB' STA = 269+00.00
Y = 576581.174	Y = 576835.946
X = 862145.746	X = 861930.649
DELTA = 011°29'44.2"	
D = 003°49'11.0"	
T = 150.98'	
L = 300.95'	
R = 1500.00'	
PC 'NB' STA = 264+16.60	
Y = 576487.533	
X = 862264.185	
PT 'NB' STA = 267+17.55	
Y = 576696.540	
X = 862048.346	
BK = N51° 40' 08.7"W	
AH = N40° 10' 24.5"W	

PROJECT NO: 3650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	ALIGNMENT DETAIL	SHEET 221	E

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Line	Item	Item Description	Unit	Total	Qty
0002	201.0105	Clearing	STA	30.000	30.000
0004	201.0120	Clearing	ID	160.000	160.000
0006	201.0205	Grubbing	STA	31.000	31.000
0008	201.0220	Grubbing	ID	160.000	160.000
0010	203.0100	Removing Small Pipe Culverts	EACH	13.000	13.000
0012	203.0200	Removing Old Structure (station) 01. Sta 234+73 4'X6' Box	LS	1.000	1.000
0014	204.0100	Removing Pavement	SY	27,047.000	27,047.000
0016	204.0120	Removing Asphaltic Surface Milling	SY	4,560.000	4,560.000
0018	204.0150	Removing Curb & Gutter	LF	1,145.000	1,145.000
0020	204.0155	Removing Concrete Sidewalk	SY	1,412.000	1,412.000
0022	204.0170	Removing Fence	LF	3,930.000	3,930.000
0024	204.0180	Removing Delineators and Markers	EACH	27.000	27.000
0026	204.0195	Removing Concrete Bases	EACH	11.000	11.000
0028	204.0205	Removing Utility Poles	EACH	1.000	1.000
0030	204.0210	Removing Manholes	EACH	27.000	27.000
0032	204.0220	Removing Inlets	EACH	40.000	40.000
0034	204.0245	Removing Storm Sewer (size) 01. 6-10 Inch	LF	436.000	436.000
0036	204.0245	Removing Storm Sewer (size) 02. 12-15 Inch	LF	1,913.000	1,913.000
0038	204.0245	Removing Storm Sewer (size) 03. 18-21 Inch	LF	170.000	170.000
0040	204.0245	Removing Storm Sewer (size) 04. 24-30 Inch	LF	509.000	509.000
0042	204.0245	Removing Storm Sewer (size) 05. 36-42 Inch	LF	280.000	280.000
0044	204.0245	Removing Storm Sewer (size) 06. 48-54 Inch	LF	1,663.000	1,663.000
0046	204.0270	Abandoning Culvert Pipes	EACH	2.000	2.000
0048	204.0291.S	Abandoning Sewer	CY	37.600	37.600
0050	204.9060.S	Removing (item description) 01. Remove Ramp Gate System	EACH	3.000	3.000
0052	205.0100	Excavation Common	CY	87,233.000	87,233.000
0054	209.1100	Backfill Granular Grade 1	CY	30.000	30.000
0056	209.2100	Backfill Granular Grade 2	CY	1,000.000	1,000.000
0058	210.2500	Backfill Structure Type B	TON	235.000	235.000
0060	213.0100	Finishing Roadway (project) 01. 4650-08-71	EACH	1.000	1.000
0062	305.0110	Base Aggregate Dense 3/4-Inch	TON	2,625.000	2,625.000
0064	305.0120	Base Aggregate Dense 1 1/4-Inch	TON	45,481.000	45,481.000
0066	310.0110	Base Aggregate Open-Graded	TON	57.000	57.000
0068	311.0110	Breaker Run	TON	60,000.000	60,000.000
0070	312.0110	Select Crushed Material	TON	940.000	940.000
0072	350.0102	Subbase	CY	1,620.000	1,620.000
0074	405.0100	Coloring Concrete WisDOT Red	CY	1,360.000	1,360.000
0076	405.1000	Stamping Colored Concrete	CY	130.000	130.000

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Line	Item	Item Description	Unit	Total	Qty
0078	415.0080	Concrete Pavement 8-Inch	SY	7,780.000	7,780.000
0080	415.0090	Concrete Pavement 9-Inch	SY	33,660.000	33,660.000
0082	415.0095	Concrete Pavement 9 1/2-Inch	SY	8,610.000	8,610.000
0084	415.0210	Concrete Pavement Gaps	EACH	10.000	10.000
0086	415.1090	Concrete Pavement HES 9-Inch	SY	4,020.000	4,020.000
0088	415.1095	Concrete Pavement HES 9 1/2-Inch	SY	1,360.000	1,360.000
0090	415.5110.S	Concrete Pavement Joint Layout	LS	1.000	1.000
0092	416.0160	Concrete Driveway 6-Inch	SY	726.000	726.000
0094	416.0180	Concrete Driveway 8-Inch	SY	310.000	310.000
0096	416.0260	Concrete Driveway HES 6-Inch	SY	398.000	398.000
0098	416.0280	Concrete Driveway HES 8-Inch	SY	195.000	195.000
0100	416.0512	Concrete Truck Apron 12-Inch	SY	2,250.000	2,250.000
0102	416.0610	Drilled Tie Bars	EACH	14.000	14.000
0104	416.0620	Drilled Dowel Bars	EACH	188.000	188.000
0106	416.1010	Concrete Surface Drains	CY	2.000	2.000
0108	440.4410	Incentive IRI Ride	DOL	3,799.000	3,799.000
0110	450.4000	HMA Cold Weather Paving	TON	553.000	553.000
0112	455.0605	Tack Coat	GAL	748.000	748.000
0114	460.2000	Incentive Density HMA Pavement	DOL	1,720.000	1,720.000
0116	460.5223	HMA Pavement 3 LT 58-28 S	TON	155.000	155.000
0118	460.5224	HMA Pavement 4 LT 58-28 S	TON	1,060.000	1,060.000
0120	460.6223	HMA Pavement 3 MT 58-28 S	TON	190.000	190.000
0122	460.6224	HMA Pavement 4 MT 58-28 S	TON	75.000	75.000
0124	460.7223	HMA Pavement 3 HT 58-28 S	TON	885.000	885.000
0126	460.7224	HMA Pavement 4 HT 58-28 S	TON	325.000	325.000
0128	465.0105	Asphaltic Surface	TON	60.000	60.000
0130	465.0120	Asphaltic Surface Driveways and Field Entrances	TON	607.000	607.000
0132	465.0125	Asphaltic Surface Temporary	TON	100.000	100.000
0134	465.0400	Asphaltic Shoulder Rumble Strips	LF	1,700.000	1,700.000
0136	520.8000	Concrete Collars for Pipe	EACH	2.000	2.000
0138	521.1503	Apron Endwalls for Culvert Pipe Sloped Side Drains Steel 18-Inch 4 to 1	EACH	1.000	1.000
0140	521.3118	Culvert Pipe Corrugated Steel 18-Inch	LF	4.000	4.000
0142	522.1012	Apron Endwalls for Culvert Pipe Reinforced Concrete 12-Inch	EACH	4.000	4.000
0144	522.1015	Apron Endwalls for Culvert Pipe Reinforced Concrete 15-Inch	EACH	4.000	4.000
0146	522.1018	Apron Endwalls for Culvert Pipe Reinforced Concrete 18-Inch	EACH	3.000	3.000
0148	522.1024	Apron Endwalls for Culvert Pipe Reinforced Concrete 24-Inch	EACH	8.000	8.000

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Line	Item	Item Description	Unit	Total	Qty
0150	522.1027	Apron Endwalls for Culvert Pipe Reinforced Concrete 27-Inch	EACH	2.000	2.000
0152	522.1030	Apron Endwalls for Culvert Pipe Reinforced Concrete 30-Inch	EACH	2.000	2.000
0154	522.1036	Apron Endwalls for Culvert Pipe Reinforced Concrete 36-Inch	EACH	2.000	2.000
0156	601.0409	Concrete Curb & Gutter 30-Inch Type A	LF	15,604.000	15,604.000
0158	601.0411	Concrete Curb & Gutter 30-Inch Type D	LF	530.000	530.000
0160	601.0452	Concrete Curb & Gutter Integral 30-Inch Type D	LF	194.000	194.000
0162	601.0501	Concrete Curb & Gutter Integral 4-Inch Sloped 36-Inch	LF	715.000	715.000
0164	601.0551	Concrete Curb & Gutter 4-Inch Sloped 36-Inch Type A	LF	2,876.000	2,876.000
0166	601.0580	Concrete Curb & Gutter 4-Inch Sloped 36-Inch Type R	LF	1,503.000	1,503.000
0168	601.0600	Concrete Curb Pedestrian	LF	820.000	820.000
0170	602.0405	Concrete Sidewalk 4-Inch	SF	46,140.000	46,140.000
0172	602.0410	Concrete Sidewalk 5-Inch	SF	74,930.000	74,930.000
0174	602.0415	Concrete Sidewalk 6-Inch	SF	10,560.000	10,560.000
0176	602.0515	Curb Ramp Detectable Warning Field Natural Patina	SF	1,862.000	1,862.000
0178	604.0400	Slope Paving Concrete	SY	490.000	490.000
0180	606.0200	Riprap Medium	CY	22.000	22.000
0182	608.0312	Storm Sewer Pipe Reinforced Concrete Class III 12-Inch	LF	1,504.000	1,504.000
0184	608.0315	Storm Sewer Pipe Reinforced Concrete Class III 15-Inch	LF	919.000	919.000
0186	608.0318	Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	LF	1,850.000	1,850.000
0188	608.0324	Storm Sewer Pipe Reinforced Concrete Class III 24-Inch	LF	932.000	932.000
0190	608.0327	Storm Sewer Pipe Reinforced Concrete Class III 27-Inch	LF	150.000	150.000
0192	608.0330	Storm Sewer Pipe Reinforced Concrete Class III 30-Inch	LF	822.000	822.000
0194	608.0336	Storm Sewer Pipe Reinforced Concrete Class III 36-Inch	LF	887.000	887.000
0196	608.0342	Storm Sewer Pipe Reinforced Concrete Class III 42-Inch	LF	626.000	626.000
0198	608.0348	Storm Sewer Pipe Reinforced Concrete Class III 48-Inch	LF	410.000	410.000
0200	608.0412	Storm Sewer Pipe Reinforced Concrete Class IV 12-Inch	LF	395.000	395.000
0202	608.0415	Storm Sewer Pipe Reinforced Concrete Class IV 15-Inch	LF	311.000	311.000
0204	608.0418	Storm Sewer Pipe Reinforced Concrete Class IV 18-Inch	LF	211.000	211.000

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Line	Item	Item Description	Unit	Total	Qty
0206	608.0421	Storm Sewer Pipe Reinforced Concrete Class IV 21-Inch	LF	110.000	110.000
0208	608.0424	Storm Sewer Pipe Reinforced Concrete Class IV 24-Inch	LF	278.000	278.000
0210	608.2348	Storm Sewer Pipe Reinforced Concrete Horizontal Elliptical Class HE-III 48x76-Inch	LF	572.000	572.000
0212	608.2358	Storm Sewer Pipe Reinforced Concrete Horizontal Elliptical Class HE-III 58x91-Inch	LF	181.000	181.000
0214	608.3630	Storm Sewer Pipe Class III-B 30-Inch	LF	70.000	70.000
0216	611.0420	Reconstructing Manholes	EACH	1.000	1.000
0218	611.0530	Manhole Covers Type J	EACH	36.000	36.000
0220	611.0612	Inlet Covers Type C	EACH	1.000	1.000
0222	611.0615	Inlet Covers Type F	EACH	17.000	17.000
0224	611.0624	Inlet Covers Type H	EACH	70.000	70.000
0226	611.0639	Inlet Covers Type H-S	EACH	18.000	18.000
0228	611.0642	Inlet Covers Type MS	EACH	10.000	10.000
0230	611.0652	Inlet Covers Type T	EACH	8.000	8.000
0232	611.2004	Manholes 4-FT Diameter	EACH	16.000	16.000
0234	611.2005	Manholes 5-FT Diameter	EACH	16.000	16.000
0236	611.2006	Manholes 6-FT Diameter	EACH	11.000	11.000
0238	611.2007	Manholes 7-FT Diameter	EACH	3.000	3.000
0240	611.2044	Manholes 4x4-FT	EACH	1.000	1.000
0242	611.2066	Manholes 6x6-FT	EACH	1.000	1.000
0244	611.2504	Manholes Variable Tee 4-FT Diameter	EACH	1.000	1.000
0246	611.3230	Inlets 2x3-FT	EACH	74.000	74.000
0248	611.3253	Inlets 2.5x3-FT	EACH	16.000	16.000
0250	611.3901	Inlets Median 1 Grate	EACH	10.000	10.000
0252	611.8110	Adjusting Manhole Covers	EACH	1.000	1.000
0254	611.8115	Adjusting Inlet Covers	EACH	1.000	1.000
0256	612.0106	Pipe Underdrain 6-Inch	LF	350.000	350.000
0258	612.0206	Pipe Underdrain Unperforated 6-Inch	LF	70.000	70.000
0260	612.0406	Pipe Underdrain Wrapped 6-Inch	LF	1,161.000	1,161.000
0262	612.0806	Apron Endwalls for Underdrain Reinforced Concrete 6-Inch	EACH	4.000	4.000
0264	612.0902.S	Insulation Board Polystyrene (inch) 01. 2-Inch	SY	80.000	80.000
0266	614.0115	Anchorages for Steel Plate Beam Guard Type 2	EACH	1.000	1.000
0268	614.0305	Steel Plate Beam Guard Class A	LF	1,200.000	1,200.000
0270	614.0370	Steel Plate Beam Guard Energy Absorbing Terminal	EACH	2.000	2.000
0272	614.0920	Salvaged Rail	LF	860.000	860.000
0274	614.0925	Salvaged Guardrail End Treatments	EACH	6.000	6.000
0276	614.2300	MGS Guardrail 3	LF	150.000	150.000

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Line	Item	Item Description	Unit	Total	Qty
0278	614.2610	MGS Guardrail Terminal EAT	EACH	4.000	4.000
0280	614.2620	MGS Guardrail Terminal Type 2	EACH	4.000	4.000
0282	616.0205	Fence Chain Link 5-FT	LF	4,832.000	4,832.000
0284	619.1000	Mobilization	EACH	1.000	1.000
0286	620.0300	Concrete Median Sloped Nose	SF	1,856.000	1,856.000
0288	624.0100	Water	MGAL	581.000	581.000
0290	625.0100	Topsoil	SY	53,860.000	53,860.000
0292	625.0500	Salvaged Topsoil	SY	37,400.000	37,400.000
0294	628.1504	Silt Fence	LF	7,365.000	7,365.000
0296	628.1520	Silt Fence Maintenance	LF	7,365.000	7,365.000
0298	628.1905	Mobilizations Erosion Control	EACH	6.000	6.000
0300	628.1910	Mobilizations Emergency Erosion Control	EACH	3.000	3.000
0302	628.2004	Erosion Mat Class I Type B	SY	37,400.000	37,400.000
0304	628.2006	Erosion Mat Urban Class I Type A	SY	54,660.000	54,660.000
0306	628.7005	Inlet Protection Type A	EACH	98.000	98.000
0308	628.7010	Inlet Protection Type B	EACH	45.000	45.000
0310	628.7015	Inlet Protection Type C	EACH	86.000	86.000
0312	628.7020	Inlet Protection Type D	EACH	21.000	21.000
0314	628.7504	Temporary Ditch Checks	LF	750.000	750.000
0316	628.7555	Culvert Pipe Checks	EACH	103.000	103.000
0318	628.7560	Tracking Pads	EACH	6.000	6.000
0320	628.7570	Rock Bags	EACH	50.000	50.000
0322	629.0210	Fertilizer Type B	CWT	63.000	63.000
0324	630.0130	Seeding Mixture No. 30	LB	700.000	700.000
0326	630.0140	Seeding Mixture No. 40	LB	1,085.000	1,085.000
0328	632.0101	Trees (species) (size) (root) 01. Royal Raindrops 2-IN B&B	EACH	6.000	6.000
0330	632.0101	Trees (species) (size) (root) 02. Japanese Lilac Trees Ivory Silk, 1.5-IN B&B	EACH	3.000	3.000
0332	632.0101	Trees (species) (size) (root) 03. Cleveland Select 2 IN B&B	EACH	3.000	3.000
0334	632.0201	Shrubs (species) (size) (root) 01. Sea Green Juniper 5 Gal Pot	EACH	18.000	18.000
0336	632.0201	Shrubs (species) (size) (root) 02. Large Pyramidal Juniper Witchita Blue 5 Gal Pot	EACH	6.000	6.000
0338	632.0201	Shrubs (species) (size) (root) 03. Summerwine Ninebark 5 Gal Pot	EACH	18.000	18.000
0340	632.0201	Shrubs (species) (size) (root) 04. Juniper Andorra Compacta 5 Gal Pot	EACH	6.000	6.000
0342	632.0201	Shrubs (species) (size) (root) 05. Ivory Halo Dogwood 5 Gal Pot	EACH	12.000	12.000

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Line	Item	Item Description	Unit	Total	Qty
0344	632.9101	Landscape Planting Surveillance and Care Cycles	EACH	24.000	24.000
0346	633.0100	Delineator Posts Steel	EACH	55.000	55.000
0348	633.0500	Delineator Reflectors	EACH	84.000	84.000
0350	633.5200	Markers Culvert End	EACH	25.000	25.000
0352	634.0614	Posts Wood 4x6-Inch X 14-FT	EACH	20.000	20.000
0354	634.0616	Posts Wood 4x6-Inch X 16-FT	EACH	51.000	51.000
0356	634.0810	Posts Tubular Steel 2x2-Inch X 10-FT	EACH	8.000	8.000
0358	634.0812	Posts Tubular Steel 2x2-Inch X 12-FT	EACH	99.000	99.000
0360	634.0814	Posts Tubular Steel 2x2-Inch X 14-FT	EACH	26.000	26.000
0362	636.0100	Sign Supports Concrete Masonry	CY	8.000	8.000
0364	636.1500	Sign Supports Steel Coated Reinforcement HS	LB	990.000	990.000
0366	637.1220	Signs Type I Reflective SH	SF	875.500	875.500
0368	637.2210	Signs Type II Reflective H	SF	1,693.430	1,693.430
0370	637.2215	Signs Type II Reflective H Folding	SF	69.840	69.840
0372	637.2230	Signs Type II Reflective F	SF	299.280	299.280
0374	638.2602	Removing Signs Type II	EACH	131.000	131.000
0376	638.3000	Removing Small Sign Supports	EACH	134.000	134.000
0378	641.1200	Sign Bridge Cantilevered (structure) 01. S-44-0144	LS	1.000	1.000
0380	641.8100	Overhead Sign Support (structure) 01. S-44-200	LS	1.000	1.000
0382	641.8100	Overhead Sign Support (structure) 02. S-44-201	LS	1.000	1.000
0384	641.8100	Overhead Sign Support (structure) 03. S-44-202	LS	1.000	1.000
0386	641.8100	Overhead Sign Support (structure) 04. S-44-203	LS	1.000	1.000
0388	641.8100	Overhead Sign Support (structure) 05. S-44-204	LS	1.000	1.000
0390	641.8100	Overhead Sign Support (structure) 06. S-44-205	LS	1.000	1.000
0392	641.8100	Overhead Sign Support (structure) 07. S-44-206	LS	1.000	1.000
0394	641.8100	Overhead Sign Support (structure) 08. S-44-207	LS	1.000	1.000
0396	641.8100	Overhead Sign Support (structure) 09. S-44-208	LS	1.000	1.000
0398	641.8100	Overhead Sign Support (structure) 10. S-44-209	LS	1.000	1.000
0400	642.5401	Field Office Type D	EACH	1.000	1.000
0402	643.0300	Traffic Control Drums	DAY	12,365.000	12,365.000
0404	643.0410	Traffic Control Barricades Type II	DAY	950.000	950.000
0406	643.0420	Traffic Control Barricades Type III	DAY	9,240.000	9,240.000
0408	643.0705	Traffic Control Warning Lights Type A	DAY	18,480.000	18,480.000
0410	643.0715	Traffic Control Warning Lights Type C	DAY	827.000	827.000
0412	643.0800	Traffic Control Arrow Boards	DAY	160.000	160.000
0414	643.0900	Traffic Control Signs	DAY	73,296.000	73,296.000
0416	643.0910	Traffic Control Covering Signs Type I	EACH	2.000	2.000
0418	643.0920	Traffic Control Covering Signs Type II	EACH	8.000	8.000
0420	643.1000	Traffic Control Signs Fixed Message	SF	392.000	392.000
0422	643.1050	Traffic Control Signs PCMS	DAY	63.000	63.000

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Line	Item	Item Description	Unit	Total	Qty
0424	643.5000	Traffic Control	EACH	1.000	1.000
0426	644.1410.S	Temporary Pedestrian Surface Asphalt	SF	4,900.000	4,900.000
0428	644.1601.S	Temporary Curb Ramp	EACH	24.000	24.000
0430	644.1616.S	Temporary Pedestrian Safety Fence	LF	850.000	850.000
0432	645.0111	Geotextile Type DF Schedule A	SY	315.000	315.000
0434	645.0120	Geotextile Type HR	SY	39.600	39.600
0436	645.0130	Geotextile Type R	SY	10.000	10.000
0438	645.0140	Geotextile Type SAS	SY	19,920.000	19,920.000
0440	646.1020	Marking Line Epoxy 4-Inch	LF	29,227.000	29,227.000
0442	646.3020	Marking Line Epoxy 8-Inch	LF	3,975.000	3,975.000
0444	646.3555	Marking Line Grooved Contrast Permanent Tape 8-Inch	LF	1,793.000	1,793.000
0446	646.5020	Marking Arrow Epoxy	EACH	81.000	81.000
0448	646.5120	Marking Word Epoxy	EACH	36.000	36.000
0450	646.5220	Marking Symbol Epoxy	EACH	9.000	9.000
0452	646.5320	Marking Railroad Crossings Epoxy	EACH	5.000	5.000
0454	646.6120	Marking Stop Line Epoxy 18-Inch	LF	96.000	96.000
0456	646.6320	Marking Dotted Extension Epoxy 18-Inch	LF	458.000	458.000
0458	646.7120	Marking Diagonal Epoxy 12-Inch	LF	218.000	218.000
0460	646.7420	Marking Crosswalk Epoxy Transverse Line 6-Inch	LF	2,489.000	2,489.000
0462	646.8120	Marking Curb Epoxy	LF	90.000	90.000
0464	646.8220	Marking Island Nose Epoxy	EACH	9.000	9.000
0466	646.9000	Marking Removal Line 4-Inch	LF	1,441.000	1,441.000
0468	649.0150	Temporary Marking Line Removable Tape 4-Inch	LF	880.000	880.000
0470	650.4000	Construction Staking Storm Sewer	EACH	180.000	180.000
0472	650.4500	Construction Staking Subgrade	LF	21,015.000	21,015.000
0474	650.5000	Construction Staking Base	LF	309.000	309.000
0476	650.5500	Construction Staking Curb Gutter and Curb & Gutter	LF	30,260.000	30,260.000
0478	650.6500	Construction Staking Structure Layout (structure) 01. R-44-24	LS	1.000	1.000
0480	650.6500	Construction Staking Structure Layout (structure) 02. R-44-25	LS	1.000	1.000
0482	650.6500	Construction Staking Structure Layout (structure) 03. R-44-26	LS	1.000	1.000
0484	650.6500	Construction Staking Structure Layout (structure) 04. S-44-0144	LS	1.000	1.000
0486	650.6500	Construction Staking Structure Layout (structure) 05. M-44-0001	LS	1.000	1.000
0488	650.6500	Construction Staking Structure Layout (structure) 06. M-44-0002	LS	1.000	1.000
0490	650.6500	Construction Staking Structure Layout (structure) 07. M-44-0003	LS	1.000	1.000

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Line	Item	Item Description	Unit	Total	Qty
0492	650.6500	Construction Staking Structure Layout (structure) 08. M-44-0004	LS	1.000	1.000
0494	650.6500	Construction Staking Structure Layout (structure) 09. S-44-200	LS	1.000	1.000
0496	650.6500	Construction Staking Structure Layout (structure) 10. S-44-201	LS	1.000	1.000
0498	650.6500	Construction Staking Structure Layout (structure) 11. S-44-202	LS	1.000	1.000
0500	650.6500	Construction Staking Structure Layout (structure) 12. S-44-203	LS	1.000	1.000
0502	650.6500	Construction Staking Structure Layout (structure) 13. S-44-204	LS	1.000	1.000
0504	650.6500	Construction Staking Structure Layout (structure) 14. S-44-205	LS	1.000	1.000
0506	650.6500	Construction Staking Structure Layout (structure) 15. S-44-206	LS	1.000	1.000
0508	650.6500	Construction Staking Structure Layout (structure) 16. S-44-207	LS	1.000	1.000
0510	650.6500	Construction Staking Structure Layout (structure) 17. S-44-208	LS	1.000	1.000
0512	650.6500	Construction Staking Structure Layout (structure) 18. S-44-209	LS	1.000	1.000
0514	650.7000	Construction Staking Concrete Pavement	LF	21,785.000	21,785.000
0516	650.8500	Construction Staking Electrical Installations (project) 01. 4650-08-71	LS	1.000	1.000
0518	650.9910	Construction Staking Supplemental Control (project) 01. 4650-08-71	LS	1.000	1.000
0520	650.9920	Construction Staking Slope Stakes	LF	21,015.000	21,015.000
0522	652.0135	Conduit Rigid Metallic 3-Inch	LF	50.000	50.000
0524	652.0225	Conduit Rigid Nonmetallic Schedule 40 2-Inch	LF	2,560.000	2,560.000
0526	652.0235	Conduit Rigid Nonmetallic Schedule 40 3-Inch	LF	1,142.000	1,142.000
0528	652.0800	Conduit Loop Detector	LF	512.000	512.000
0530	653.0105	Pull Boxes Steel 12x24-Inch	EACH	9.000	9.000
0532	653.0154	Pull Boxes Non-Conductive 24x36-Inch	EACH	4.000	4.000
0534	653.0164	Pull Boxes Non-Conductive 24x42-Inch	EACH	29.000	29.000
0536	653.0905	Removing Pull Boxes	EACH	4.000	4.000
0538	654.0101	Concrete Bases Type 1	EACH	4.000	4.000
0540	654.0102	Concrete Bases Type 2	EACH	4.000	4.000
0542	654.0105	Concrete Bases Type 5	EACH	18.000	18.000
0544	654.0217	Concrete Control Cabinet Bases Type 9 Special	EACH	1.000	1.000
0546	654.0220	Concrete Control Cabinet Bases Type 10	EACH	2.000	2.000
0548	654.0224	Concrete Control Cabinet Bases Type L24	EACH	2.000	2.000

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Line	Item	Item Description	Unit	Total	Qty
0550	655.0230	Cable Traffic Signal 5-14 AWG	LF	379.000	379.000
0552	655.0240	Cable Traffic Signal 7-14 AWG	LF	579.000	579.000
0554	655.0250	Cable Traffic Signal 9-14 AWG	LF	205.000	205.000
0556	655.0260	Cable Traffic Signal 12-14 AWG	LF	695.000	695.000
0558	655.0270	Cable Traffic Signal 15-14 AWG	LF	233.000	233.000
0560	655.0305	Cable Type UF 2-12 AWG Grounded	LF	576.000	576.000
0562	655.0515	Electrical Wire Traffic Signals 10 AWG	LF	843.000	843.000
0564	655.0610	Electrical Wire Lighting 12 AWG	LF	2,100.000	2,100.000
0566	655.0615	Electrical Wire Lighting 10 AWG	LF	10,130.000	10,130.000
0568	655.0700	Loop Detector Lead In Cable	LF	1,281.000	1,281.000
0570	655.0800	Loop Detector Wire	LF	1,584.000	1,584.000
0572	655.0900	Traffic Signal EVP Detector Cable	LF	704.000	704.000
0574	656.0200	Electrical Service Meter Breaker Pedestal (location) 01. STH 55 & STH 96	LS	1.000	1.000
0576	656.0200	Electrical Service Meter Breaker Pedestal (location) 02. SB IH 41 & STH 55	LS	1.000	1.000
0578	656.0200	Electrical Service Meter Breaker Pedestal (location) 03 NB IH 41 & STH 55	LS	1.000	1.000
0580	657.0100	Pedestal Bases	EACH	6.000	6.000
0582	657.0255	Transformer Bases Breakaway 11 1/2-Inch Bolt Circle	EACH	22.000	22.000
0584	657.0310	Poles Type 3	EACH	4.000	4.000
0586	657.0322	Poles Type 5-Aluminum	EACH	14.000	14.000
0588	657.0420	Traffic Signal Standards Aluminum 13-FT	EACH	2.000	2.000
0590	657.0425	Traffic Signal Standards Aluminum 15-FT	EACH	4.000	4.000
0592	657.0585	Trombone Arms 15-FT	EACH	2.000	2.000
0594	657.0590	Trombone Arms 20-FT	EACH	1.000	1.000
0596	657.0595	Trombone Arms 25-FT	EACH	1.000	1.000
0598	657.0609	Luminaire Arms Single Member 4-Inch Clamp 6-FT	EACH	4.000	4.000
0600	657.0710	Luminaire Arms Truss Type 4 1/2-Inch Clamp 12-FT	EACH	14.000	14.000
0602	658.0173	Traffic Signal Face 3S 12-Inch	EACH	8.000	8.000
0604	658.0175	Traffic Signal Face 5S 12-Inch	EACH	4.000	4.000
0606	658.0416	Pedestrian Signal Face 16-Inch	EACH	8.000	8.000
0608	658.0500	Pedestrian Push Buttons	EACH	8.000	8.000
0610	658.5069	Signal Mounting Hardware (location) 01. STH 55 & STH 96	LS	1.000	1.000
0612	659.1115	Luminaires Utility LED A	EACH	14.000	14.000
0614	659.1125	Luminaires Utility LED C	EACH	4.000	4.000
0616	659.2124	Lighting Control Cabinets 120/240 24-Inch	EACH	2.000	2.000
0618	662.2024.S	Ramp Closure Gates Solar 24-FT	EACH	2.000	2.000
0620	662.2040.S	Ramp Closure Gates Solar 40-FT	EACH	2.000	2.000
0622	690.0150	Sawing Asphalt	LF	2,680.000	2,680.000

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Line	Item	Item Description	Unit	Total	Qty
0624	690.0250	Sawing Concrete	LF	1,758.000	1,758.000
0626	715.0415	Incentive Strength Concrete Pavement	DOL	14,511.000	14,511.000
0628	715.0502	Incentive Strength Concrete Structures	DOL	264.000	264.000
0630	801.0117	Railroad Flagging Reimbursment	DOL	10,000.000	10,000.000
0632	ASP.1T0A	On-the-Job Training Apprentice at $5.00/HR	HRS	2,500.000	2,500.000
0634	ASP.1T0G	On-the-Job Training Graduate at $5.00/HR	HRS	3,280.000	3,280.000
0636	SPV.0035	Special 01. Planting Mixture	CY	1,090.000	1,090.000
0638	SPV.0035	Special 02. Concrete Masonry Special	CY	44.000	44.000
0640	SPV.0060	Special 02. Internal Chimney Seal 1-Piece	EACH	11.000	11.000
0642	SPV.0060	Special 03. Internal Chimney Seal 2-Piece	EACH	10.000	10.000
0644	SPV.0060	Special 04. Sanitary Manhole Cover Type J - Special	EACH	4.000	4.000
0646	SPV.0060	Special 05. Standard Sanitary Pipe Connection	EACH	2.000	2.000
0648	SPV.0060	Special 06. Sanitary Wye 8-Inch Main	EACH	8.000	8.000
0650	SPV.0060	Special 07. Adjusting Water Valve Box	EACH	75.000	75.000
0652	SPV.0060	Special 08. Adjusting Sanitary Manholes	EACH	10.000	10.000
0654	SPV.0060	Special 09. Reconstructing Sanitary Manholes	EACH	7.000	7.000
0656	SPV.0060	Special 12. Pull Box Non Conductive 24x48-Inch	EACH	2.000	2.000
0658	SPV.0060	Special 13. LED Blank Out Sign No Left Turn	EACH	1.000	1.000
0660	SPV.0060	Special 14. LED Blank Out Sign No Right Turn	EACH	2.000	2.000
0662	SPV.0060	Special 15. Daylillies Stella d'Oro	EACH	99.000	99.000
0664	SPV.0060	Special 16. Karl Foerster	EACH	30.000	30.000
0666	SPV.0060	Special 17. Purple Dome Asters	EACH	120.000	120.000
0668	SPV.0060	Special 18. Baseline CPM Progress Schedule	EACH	1.000	1.000
0670	SPV.0060	Special 19. CPM Progress Schedule and Accepted Revisions	EACH	2.000	2.000
0672	SPV.0060	Special 20. Inlets 2x2.5-FT Special	EACH	7.000	7.000
0674	SPV.0060	Special 21. Cover Plates Temporary	EACH	4.000	4.000
0676	SPV.0075	Special 01. Street Sweeping	HRS	100.000	100.000
0678	SPV.0085	Special 01. Bar Steel Reinforcement HS Special	LB	7,390.000	7,390.000
0680	SPV.0090	Special 01. Fence Chain Link Polymer Coated 4-FT	LF	186.000	186.000
0682	SPV.0090	Special 02. Concrete Curb and Gutter Integral 18-Inch Type D Modified	LF	4,083.000	4,083.000
0684	SPV.0090	Special 03. Concrete Curb and Gutter Integral SHES 18-Inch Type D Modified	LF	244.000	244.000
0686	SPV.0090	Special 04. Concrete Curb and Gutter HES 18-Inch Type A Modified	LF	95.000	95.000
0688	SPV.0090	Special 05. Concrete Curb and Gutter 30-Inch Type A Modified	LF	381.000	381.000
0690	SPV.0090	Special 06. Concrete Curb and Gutter HES 30-Inch Type A Modified	LF	138.000	138.000
0692	SPV.0090	Special 07. Concrete Curb & Gutter HES 30-Inch Type	LF	1,943.000	1,943.000

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Line	Item	Item Description	Unit	Total	Qty
		A			
0694	SPV.0090	Special 08. Concrete Curb & Gutter SHES 4-Inch Sloped 36-Inch Type R	LF	150.000	150.000
0696	SPV.0090	Special 10. Steel Casing Pipe 42-Inch	LF	50.000	50.000
0698	SPV.0090	Special 11. Removing Sanitary Sewer	LF	290.000	290.000
0700	SPV.0090	Special 12. 8-Inch Sanitary PVC Pipe	LF	900.000	900.000
0702	SPV.0090	Special 13. Sanitary Lateral 4 or 6-Inch	LF	315.000	315.000
0704	SPV.0090	Special 14. Storm Lateral 4-Inch	LF	400.000	400.000
0706	SPV.0090	Special 15. Televising Storm Sewer	LF	7,892.000	7,892.000
0708	SPV.0090	Special 16. Storm Lateral 6-Inch	LF	10.000	10.000
0710	SPV.0090	Special 17. Pipe Underdrain Railroad 6-Inch	LF	325.000	325.000
0712	SPV.0090	Special 18. Concrete Curb and Gutter Special 24-Inch Type D	LF	15.000	15.000
0714	SPV.0090	Special 19. Storm Sewer Pipe PVC 12-Inch	LF	128.000	128.000
0716	SPV.0090	Special 20. Storm Sewer Pipe PVC 15-Inch	LF	14.000	14.000
0718	SPV.0105	Special 01. Removing Flasher Standard System STH 55 & CTH OO	LS	1.000	1.000
0720	SPV.0105	Special 02. Traffic Signal System Integrator (4650-08-71)	LS	1.000	1.000
0722	SPV.0105	Special 03. Furnish & Install Traffic Signal Cabinet Controller & Battery Backup System	LS	1.000	1.000
0724	SPV.0105	Special 04. Furnish & Install Emergency Vehicle Preemption System	LS	1.000	1.000
0726	SPV.0105	Special 09. Construction Staking Miscellaneous City Utilities	LS	1.000	1.000
0728	SPV.0120	Special 01. Water for Seeded Areas	MGAL	1,001.000	1,001.000
0730	SPV.0165	Special 01. Wall Modular Block Gravity R-44-24	SF	1,405.000	1,405.000
0732	SPV.0165	Special 02. Wall Modular Block Gravity R-44-25	SF	1,230.000	1,230.000
0734	SPV.0165	Special 03. Concrete Sidewalk 8-Inch	SF	2,690.000	2,690.000
0736	SPV.0165	Special 04. Salvage Brick Pavers	SF	16.000	16.000
0738	SPV.0165	Special 05. Wall Modular Block Mechanically Stabilized Earth R-44-26	SF	1,085.000	1,085.000
0740	SPV.0180	Special 01. Concrete Pavement SHES 8-Inch	SY	275.000	275.000
0742	SPV.0180	Special 02. Concrete Pavement SHES 9-Inch	SY	380.000	380.000
0744	SPV.0180	Special 03. Concrete Driveway SHES 8-Inch	SY	186.000	186.000
0746	SPV.0180	Special 04. Concrete Joint Sealing	SY	57,270.000	57,270.000
0748	SPV.0180	Special 05. Shredded Hardwood Bark Mulch	SY	1,630.000	1,630.000
0750	SPV.0195	Special 01. Management of Petroleum-Contaminated Soil & Groundwater	TON	750.000	750.000
0752	SPV.0195	Special 02. Backfill Railroad Special	TON	450.000	450.000
0754	SPV.0200	Special 01. Sanitary Manhole	VF	25.300	25.300

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CLEARING AND GRUBBING

STATION	TO	STATION	DIR	LOCATION	201.0105 CLEARING STA	201.0120 CLEARING ID	201.0205 GRUBBING STA	201.0220 GRUBBING ID
PROJECT 4650-08-71 CATEGORY 0010								
210NB+00	-	212NB+00	RT	STH 55	2	-	2	-
226SB+00	-	229SB+00	LT	STH 55	3	-	3	-
227NB+00	-	228NB+00	RT	STH 55	1	-	1	-
233NB+00	-	234NB+00	LT	STH 55	1	-	1	-
240NB+44	-		LT	STH 55	-	7	-	7
241NB+75	-		RT	STH 55	-	-	1	-
247SB+00	-	248SB+00	LT	STH 55	1	-	1	-
72+00	-	73+00	RT	MALONEY RAB	1	-	1	-
251SB+00	-	254SB+00	LT	STH 55	3	-	3	-
255NB+00	-	256NB+00	RT	STH 55	1	-	1	-
264SB+00	-	268SB+00	LT	STH 55	4	-	4	-
15EB+00	-	19EB+00	RT	CTH OO	4	-	4	-
29EB+00	-	30EB+00	RT	GERTRUDE	1	-	1	-
32EB+98	-		RT	GERTRUDE	-	8	-	8
33EB+43	-		RT	GERTRUDE	-	5	-	5
36EB+00	-	37EB+00	RT	MALONEY	1	-	1	-
1114+68	-		RT	USH 41 NB OFF RAMP	-		-	
1119+00	-	1121+00	RT	USH 41 NB OFF RAMP	2	-	2	-
1123+00	-	1125+00	RT	USH 41 NB RT TURN LN	2	-	2	-
	-		RT	TERRY LN	1	-	1	-
RR VISION TRIANGLES			-	DELANGLADE RR XING	-	130	-	130
UNDISTRIBUTED					2	10	2	10
				PROJECT TOTALS	30	160	31	160

REMOVING PAVEMENT

STATION	-	STATION	LOCATION	204.0100 REMOVING PAVEMENT SY
PROJECT 4650-08-71 CATEGORY 0010				
207+30	-	210+13	STH 55	1,610
210+13	-	220+02	STH 55	5,020
309+83	-	314+15	STH 96 (PLANK RD)	2,420
100+00	-	101+00	CTH J (LAWE ST)	10
31+43	-	31+66	BLACKWELL ST	100
12+66	-	18+92	CTH OO (HYLAND AVE)	3,730
19+55	-	26+40	CTH OO (HYLAND AVE)	3,320
50+42	-	52+50	BADGER RD	850
35+35	-	40+56	MALONEY RD	2,990
1200+00	-	1204+37	IH 41 NB ON RAMP	1,520
1112+47	-	1125+50	IH 41 NB OFF RAMP	1,800
1109+39	-	1122+82	IH 41 SB ON RAMP	1,490
1123+79	-	1132+43	IH 41 SB OFF RAMP	2,110
			PROJECT TOTAL	26,970

REMOVING PAVEMENT

STATION	-	STATION	LOCATION	204.0100 REMOVING PAVEMENT SY
PROJECT 4650-08-71 CATEGORY 0040				
314+39	-	315+09	STH 96	77
			PROJECT TOTAL	77

REMOVING OLD STRUCTURE

STATION	DESCRIPTION	LOCATION	203.0200.01 REMOVING OLD STRUCTURE LS
PROJECT 4650-08-71 CATEGORY 0010			
234+76	4'x6' BOX	STH 55	1
		PROJECT TOTAL	1

REMOVING CURB AND GUTTER

STATION	TO	STATION	DIR	LOCATION	204.0150 REMOVING CURB AND GUTTER ** LF
PROJECT 4650-08-71 CATEGORY 0040					
101+05	-	101+15	LT	CTH J	10
101+73	-	101+83	LT	CTH J	10
102+37	-	102+47	RT	CTH J	10
102+47	-	102+57	LT	CTH J	10
				PROJECT TOTAL	40

** QUANTITY SHOWN ELSEWHERE ON PLAN

SALVAGED RAIL

STATION	TO	STATION	DIR	LOCATION	614.0920 SALVAGED RAIL LF	614.0925 SALVAGED GUARDRAIL END TREATMENTS EACH
PROJECT 4650-08-71 CATEGORY 0010						
256+22	-	259+63	RT	STH 55	330	2
256+30	-	259+30	LT	STH 55	320	2
1206+98	-	1207+26	RT	IH 41 NB ON RAMP	30	1
1130+57	-	1132+43	LT	IH 41 SB OFF RAMP	180	1
				PROJECT TOTAL	860	6

REMOVING SIDEWALK

STATION	-	STATION	LOCATION	204.0155 REMOVING SIDEWALK ** SY
PROJECT 4650-08-71 CATEGORY 0010				
207+30	-	209+63	STH 55	180
209+63	-	217+33	STH 55	710
309+59	-	314+14	STH 96 (PLANK RD)	420
100+00	-	101+00	CTH J (LAWE ST)	80
			PROJECT TOTAL	1,390

** QUANTITY SHOWN ELSEWHERE ON PLAN

REMOVING CURB AND GUTTER

STATION	TO	STATION	DIR	LOCATION	204.0150 REMOVING CURB AND GUTTER ** LF
PROJECT 4650-08-71 CATEGORY 0010					
218+13	-	218+48	LT	STH 55	45
218+14	-	218+65	RT	STH 55	65
218+84	-	219+09	RT	STH 55	35
219+09	-	219+19	LT	STH 55	15
222+60	-	222+95	RT	STH 55	30
222+69	-	222+80	LT	STH 55	25
223+77	-	223+99	RT	STH 55	20
224+16	-	224+30	LT	STH 55	25
267+64	-	270+64	RT	STH 55	375
270+78	-	270+92	LT	STH 55	20
271+38	-	371+47	LT	STH 55	15
100+32	-	101+00	RT	CTH J (LAWE ST)	70
100+35	-	101+00	LT	CTH J (LAWE ST)	75
9+00	-	9+68	RT	OVIATT ST	70
9+00	-	9+78	LT	OVIATT ST	80
36+50	-	36+58	LT	MALONEY RD	35
36+86	-	37+28	LT	MALONEY RD	55
38+07	-	38+09	LT	MALONEY RD	10
29+61	-	29+81	RT	GERTRUDE ST	20
29+61	-	29+81	LT	GERTRUDE ST	20
				PROJECT TOTAL	1,105

** QUANTITY SHOWN ELSEWHERE ON PLAN

REMOVING FENCE

STATION	TO	STATION	DIR	LOCATION	204.0170 REMOVING FENCE LF
PROJECT 4650-08-71 CATEGORY 0010					
1104+76	-	1124+55	RT	IH 41 NB OFF RAMP	2130
1200+00	-	1204+37	RT	IH 41 NB ON RAMP	530
1123+79	-	1132+42	LT	IH 41 SB OFF RAMP	520
1101+48	-	1122+81	LT	IH 41 SB ON RAMP	750
				PROJECT TOTAL	3930

REMOVING DELINEATORS AND MARKERS

STATION	TO	STATION	DIR	LOCATION	204.0180 REMOVING DELINEATORS AND MARKERS EACH
PROJECT 4650-08-71 CATEGORY 0010					
1104+76	-	1124+55	RT & LT	IH 41 NB OFF RAMP	8
1200+00	-	1204+37	RT & LT	IH 41 NB ON RAMP	5
1123+79	-	1132+42	RT & LT	IH 41 SB OFF RAMP	5
1101+48	-	1122+81	RT & LT	IH 41 SB ON RAMP	9
				PROJECT TOTAL	27

Addendum No.01
ID 4650-08-71
Revised Sheet 234
December 4, 2017

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CLEARING AND GRUBBING

STATION TO STATION	DIR	LOCATION	201.0105 CLEARING STA	201.0120 CLEARING ID	201.0205 GRUBBING STA	201.0220 GRUBBING ID
PROJECT 4650-08-71 CATEGORY 0010						
210NB+00 - 212NB+00	RT	STH 55	2	-	2	-
226SB+00 - 229SB+00	LT	STH 55	3	-	3	-
227NB+00 - 228NB+00	RT	STH 55	1	-	1	-
233NB+00 - 234NB+00	LT	STH 55	1	-	1	-
240NB+44 -	LT	STH 55	-	7	-	7
241NB+75 -	RT	STH 55	-	-	1	-
247SB+00 - 248SB+00	LT	STH 55	1	-	1	-
72+00 - 73+00	RT	MALONEY RAB	1	-	1	-
251SB+00 - 254SB+00	LT	STH 55	3	-	3	-
255NB+00 - 256NB+00	RT	STH 55	1	-	1	-
264SB+00 - 268SB+00	LT	STH 55	4	-	4	-
15EB+00 - 19EB+00	RT	CTH OO	4	-	4	-
29EB+00 - 30EB+00	RT	GERTRUDE	1	-	1	-
32EB+98 -	RT	GERTRUDE	-	8	-	8
33EB+43 -	RT	GERTRUDE	-	5	-	5
36EB+00 - 37EB+00	RT	MALONEY	1	-	1	-
1114+68 -	RT	USH 41 NB OFF RAMP	-		-	
1119+00 - 1121+00	RT	USH 41 NB OFF RAMP	2	-	2	-
1123+00 - 1125+00	RT	USH 41 NB RT TURN LN	2	-	2	-
-	RT	TERRY LN	1	-	1	-
RR VISION TRIANGLES	-	DELANGLADE RR XING	-	130	-	130
UNDISTRIBUTED			2	10	2	10
		PROJECT TOTALS	30	160	31	160

REMOVING OLD STRUCTURE

STATION	DESCRIPTION	LOCATION	203.0200.01 REMOVING OLD STRUCTURE LS
PROJECT 4650-08-71 CATEGORY 0010			
234+76	4'x6' BOX	STH 55	1
		PROJECT TOTAL	1

REMOVING CURB AND GUTTER

STATION TO STATION	DIR	LOCATION	204.0150 REMOVING CURB AND GUTTER ** LF
PROJECT 4650-08-71 CATEGORY 0040			
101+05 - 101+15	LT	CTH J	10
101+73 - 101+83	LT	CTH J	10
102+37 - 102+47	RT	CTH J	10
102+47 - 102+57	LT	CTH J	10
		PROJECT TOTAL	40

** QUANTITY SHOWN ELSEWHERE ON PLAN

REMOVING CURB AND GUTTER

STATION TO STATION	DIR	LOCATION	204.0150 REMOVING CURB AND GUTTER ** LF
PROJECT 4650-08-71 CATEGORY 0010			
218+13 - 218+48	LT	STH 55	45
218+14 - 218+65	RT	STH 55	65
218+84 - 219+09	RT	STH 55	35
219+09 - 219+19	LT	STH 55	15
222+60 - 222+95	RT	STH 55	30
222+69 - 222+80	LT	STH 55	25
223+77 - 223+99	RT	STH 55	20
224+16 - 224+30	LT	STH 55	25
267+64 - 270+64	RT	STH 55	375
270+78 - 270+92	LT	STH 55	20
271+38 - 371+47	LT	STH 55	15
100+32 - 101+00	RT	CTH J (LAWE ST)	70
100+35 - 101+00	LT	CTH J (LAWE ST)	75
9+00 - 9+68	RT	OVIATT ST	70
9+00 - 9+78	LT	OVIATT ST	80
36+50 - 36+58	LT	MALONEY RD	35
36+86 - 37+28	LT	MALONEY RD	55
38+07 - 38+09	LT	MALONEY RD	10
29+61 - 29+81	RT	GERTRUDE ST	20
29+61 - 29+81	LT	GERTRUDE ST	20
		PROJECT TOTAL	1,105

** QUANTITY SHOWN ELSEWHERE ON PLAN

REMOVING PAVEMENT

STATION	-	STATION	LOCATION	204.0100 REMOVING PAVEMENT SY
PROJECT 4650-08-71 CATEGORY 0010				
207+30	-	210+13	STH 55	1,610
210+13	-	220+02	STH 55	5,020
309+83	-	314+15	STH 96 (PLANK RD)	2,420
100+00	-	101+00	CTH J (LAWE ST)	10
31+43	-	31+66	BLACKWELL ST	100
12+66	-	18+92	CTH OO (HYLAND AVE)	3,730
19+55	-	26+40	CTH OO (HYLAND AVE)	3,320
50+42	-	52+50	BADGER RD	850
35+35	-	40+56	MALONEY RD	2,990
1200+00	-	1204+37	IH 41 NB ON RAMP	1,520
1112+47	-	1125+50	IH 41 NB OFF RAMP	1,800
1109+39	-	1122+82	IH 41 SB ON RAMP	1,490
1123+79	-	1132+43	IH 41 SB OFF RAMP	2,110
			PROJECT TOTAL	26,970

REMOVING PAVEMENT

STATION	-	STATION	LOCATION	204.0100 REMOVING PAVEMENT SY
PROJECT 4650-08-71 CATEGORY 0040				
314+39	-	315+09	STH 96	77
			PROJECT TOTAL	77

SALVAGED RAIL

STATION TO STATION	DIR	LOCATION	614.0920 SALVAGED RAIL LF	614.0925 SALVAGED GUARDRAIL END TREATMENTS EACH
PROJECT 4650-08-71 CATEGORY 0010				
256+22 - 259+63	RT	STH 55	330	2
256+30 - 259+30	LT	STH 55	320	2
1206+98 - 1207+26	RT	IH 41 NB ON RAMP	30	1
1130+57 - 1132+43	LT	IH 41 SB OFF RAMP	180	1
		PROJECT TOTAL	860	6

REMOVING SIDEWALK

STATION	-	STATION	LOCATION	204.0155 REMOVING SIDEWALK ** SY
PROJECT 4650-08-71 CATEGORY 0010				
207+30	-	209+63	STH 55	180
209+63	-	217+33	STH 55	710
309+59	-	314+14	STH 96 (PLANK RD)	420
100+00	-	101+00	CTH J (LAWE ST)	80
			PROJECT TOTAL	1,390

** QUANTITY SHOWN ELSEWHERE ON PLAN

REMOVING FENCE

STATION	TO	STATION	DIR	LOCATION	204.0170 REMOVING FENCE LF
PROJECT 4650-08-71 CATEGORY 0010					
1104+76	-	1124+55	RT	IH 41 NB OFF RAMP	2,130
1200+00	-	1204+37	RT	IH 41 NB ON RAMP	530
1123+79	-	1132+42	LT	IH 41 SB OFF RAMP	360
1101+48	-	1122+81	LT	IH 41 SB ON RAMP	2,030
				PROJECT TOTAL	5,050

REMOVING DELINEATORS AND MARKERS

STATION	TO	STATION	DIR	LOCATION	204.0180 REMOVING DELINEATORS AND MARKERS EACH
PROJECT 4650-08-71 CATEGORY 0010					
1104+76	-	1124+55	RT & LT	IH 41 NB OFF RAMP	8
1200+00	-	1204+37	RT & LT	IH 41 NB ON RAMP	5
1123+79	-	1132+42	RT & LT	IH 41 SB OFF RAMP	5
1101+48	-	1122+81	RT & LT	IH 41 SB ON RAMP	9
				PROJECT TOTAL	27

REMOVING SMALL CULVERT PIPE

STATION	DIR	LOCATION	203.0100 REMOVING SMALL CULVERT PIPE EACH	204.0270 * ABANDONING CULVERT PIPE EACH	COMMENTS
PROJECT 4650-08-71 CATEGORY 0010					
219+78	R/L	STH 55	1	---	27" CMCP
19+84	R/L	CTH OO (HYLAND AVE)	1	---	24" RCCP
224+33	R/L	STH 55	1	---	30" CMCP
231+75	LT	STH 55	1	---	18" CMCP
234+70	R/L	STH 55	1	---	36" CMCP
237+75	RT	STH 55	1	---	1.2' X 1.7' CMPA
239+50	RT	STH 55	1	---	1.2' X 1.7' CMPA
252+00	R/L	STH 55	1	---	36" CMCP
1124+02	R/L	IH 41 NB OFF RAMP	1	---	24" CMCP
258+00	LT	STH 55	1	---	24" CMCP
259+57	R/L	STH 55	1	---	24" CMCP
1121+94	R/L	IH 41 SB ON RAMP	1	---	24" CMCP
265+25	RT	STH 55	1	---	18" CMCP
271+00	LT	STH 55	---	1	18" CMCP
		PROJECT TOTAL	13	1	

* ADDITIONAL QUANTITIES SHOWN IN REMOVING STORM SEWER TABLE

REMOVING SIDEWALK

STATION	-	STATION	DIR	LOCATION	204.0155 REMOVING SIDEWALK ** SY
PROJECT 4650-08-71 CATEGORY 0040					
101+05	-	101+15	LT	STH 96	6
101+73	-	101+83	LT	STH 96	6
102+37	-	102+47	RT	STH 96	6
102+47	-	102+57	LT	STH 96	6
				PROJECT TOTAL	22

** QUANTITY SHOWN ELSEWHERE ON PLAN

ABANDON SEWER

STATION	TO	STATION	DIR	LOCATION	204.0291.S CY	COMMENT
CATEGORY 0010						
N QUADRANT MALONEY RD RAB					26.2	36" TRUNK THROUGH SHELL STATION
				CATEGORY 0010 SUBTOTAL	26.2	
CATEGORY 0040						
207+45	-	208+40	R/L	STH 55	6.2	PVC SANITARY
208+40	-	100+20'J'	R/L	STH 55 / CTH J	2.7	PVC SANITARY
312+55	-	314+51	LT	STH 96	2.5	PVC SANITARY
				CATEGORY 0040 SUBTOTAL	11.4	
				PROJECT TOTAL	37.6	

REMOVING MANHOLES

STATION	OFFSET	DIR	LOCATION	204.0210 REMOVING MANHOLES EACH
PROJECT 4650-08-71 CATEGORY 0010				
207+61	15.1	LT	STH 55	1
207+62	38.2	RT	STH 55	1
207+87	15.2	LT	STH 55	1
208+42	0.0	R/L	STH 55	1
208+56	40.8	RT	STH 55	1
209+67	12.0	LT	STH 55	1
212+69	7.4	LT	STH 55	1
215+69	6.0	LT	STH 55	1
218+45	2.6	LT	STH 55	1
234+26	29.0	LT	STH 55	1
236+28	28.8	LT	STH 55	1
245+02	40.3	LT	STH 55	1
248+16	35.5	LT	STH 55	1
249+61	48.3	RT	STH 55	1
309+70	19.9	LT	STH 96 (PLANK RD)	1
310+99	14.1	RT	STH 96 (PLANK RD)	1
311+76	6.5	LT	STH 96 (PLANK RD)	1
13+93	35.3	RT	CTH 00 (HYLAND AVE)	1
14+40	30.3	RT	CTH 00 (HYLAND AVE)	1
36+08	13.6	LT	MALONEY RD	1
36+85	13.5	LT	MALONEY RD	1
36+90	70.0	LT	MALONEY RD	1
CATEGORY 0010 TOTAL				22
CATEGORY 0040				
207+45	0.2	RT	STH 55	1
209+52	0.6	RT	STH 55	1
209+57	26.9	RT	STH 55	1
310+58	60.4	RT	STH 96	1
312+60	25.9	LT	STH 96	1
CATEGORY 0040 TOTAL				5
			PROJECT TOTAL	27

REMOVING SANITARY SEWER

STATION	STATION	LOCATION	SPV.0090.11 REMOVING SANITARY SEWER LF
PROJECT 4650-08-71 CATEGORY 0040			
100+00	102+59	CTH J	240
314+51	315+01	STH 96 (PLANK RD)	50

REMOVING INLETS

STATION	OFFSET	DIR	LOCATION	204.0220 REMOVING INLETS EACH
PROJECT 4650-08-71 CATEGORY 0010				
207+47	22.6	RT	STH 55	1
207+55	23.4	LT	STH 55	1
207+62	38.6	LT	STH 55	1
207+85	36.1	LT	STH 55	1
208+23	21.8	RT	STH 55	1
208+40	23.4	LT	STH 55	1
209+82	30.5	RT	STH 55	1
209+94	31.6	LT	STH 55	1
209+97	14.1	RT	STH 55	1
212+58	34.7	RT	STH 55	1
212+91	35.2	RT	STH 55	1
212+98	20.4	LT	STH 55	1
213+07	20.4	RT	STH 55	1
215+66	34.9	RT	STH 55	1
216+05	36.8	RT	STH 55	1
218+21	20.1	LT	STH 55	1
218+22	21.4	RT	STH 55	1
233+91	49.7	RT	STH 55	1
236+30	31.5	RT	STH 55	1
242+01	32.5	RT	STH 55	1
254+68	62.6	LT	STH 55	1
254+81	93.6	RT	STH 55	1
261+06	13.5	LT	STH 55	1
309+67	57.0	LT	STH 96 (PLANK RD)	1
310+92	24.1	LT	STH 96 (PLANK RD)	1
311+03	20.9	RT	STH 96 (PLANK RD)	1
311+77	0.0	R/L	STH 96 (PLANK RD)	1
312+36	36.4	LT	STH 96 (PLANK RD)	1
13+88	29.5	LT	CTH 00 (HYLAND AVE)	1
13+90	22.8	RT	CTH 00 (HYLAND AVE)	1
14+37	53.1	LT	CTH 00 (HYLAND AVE)	1
15+79	23.3	RT	CTH 00 (HYLAND AVE)	1
15+90	38.3	LT	CTH 00 (HYLAND AVE)	1
15+91	13.6	RT	CTH 00 (HYLAND AVE)	1
21+22	21.8	LT	CTH 00 (HYLAND AVE)	1
22+97	26.9	LT	CTH 00 (HYLAND AVE)	1
50+50	37.8	RT	BADGER	1
36+84	5.1	LT	MALONEY RD	1
36+88	52.1	LT	MALONEY RD	1
37+20	73.6	LT	MALONEY RD	1
			PROJECT TOTAL	40

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REMOVING STORM SEWER

STATION TO STATION	DIR	LOCATION	204.0245.01 6-10 INCH LF	204.0245.02 12-15 INCH LF	204.0245.03 18-21 INCH LF	204.0245.04 24-30 INCH LF	204.0245.05 36-42 INCH LF	204.0245.06 48-54 INCH LF	204.0270* ABANDON CULVERT PIPE EA
PROJECT 4650-08-71 CATEGORY 0010									
207+17 - 207+61	RT	STH 55	-	20	-	-	-	-	-
207+47 - 207+61	RT	STH 55	-	-	-	304	-	-	-
207+62 -	R/L	STH 55	-	-	-	53	-	-	-
207+56 - 207+62	LT	STH 55	-	-	10	-	-	-	-
207+62 -	LT	STH 55	-	-	-	24	-	-	-
207+62 - 207+87	LT	STH 55	-	25	-	-	-	-	-
207+87 -	LT	STH 55	21	-	-	-	-	-	-
207+87 - 208+41	LT	STH 55	-	54	-	-	-	-	-
207+87 - 209+67	LT	STH 55	-	-	160	-	-	-	-
207+87 - 208+22	R/L	STH 55	-	51	-	-	-	-	-
208+22 - 208+56	RT	STH 55	36	-	-	-	-	-	-
209+67 - 209+94	LT	STH 55	-	31	-	-	-	-	-
209+67 - 209+79	RT	STH 55	-	51	-	-	-	-	-
209+67 - 209+97	RT	STH 55	-	39	-	-	-	-	-
209+79 - 209+57	RT	STH 55	-	38	-	-	-	-	-
209+79 - 209+82	RT	STH 55	7	-	-	-	-	-	-
209+79 - 209+93	RT	STH 55	-	64	-	-	-	-	-
310+19 - 311+00	RT	STH 96	-	129	-	-	-	-	-
311+00 - 311+02	RT	STH 96	-	7	-	-	-	-	-
310+93 - 311+00	R/L	STH 96	-	38	-	-	-	-	-
310+93 - 310+44	LT	STH 96	66	-	-	-	-	-	-
311+00 - 311+80	R/L	STH 96	-	79	-	-	-	-	-
311+80 - 311+82	R/L	STH 96	6	-	-	-	-	-	-
311+80 - 312+35	LT	STH 96	64	-	-	-	-	-	-
212+69 - 212+57	RT	STH 55	42	-	-	-	-	-	-
212+69 - 212+91	RT	STH 55	-	46	-	-	-	-	-
212+69 - 212+96	LT	STH 55	31	-	-	-	-	-	-
212+69 - 215+69	R/L	STH 55	-	298	-	-	-	-	-
212+91 - 213+07	RT	STH 55	21	-	-	-	-	-	-
215+69 - 215+66	RT	STH 55	40	-	-	-	-	-	-
215+69 - 218+44	R/L	STH 55	-	278	-	-	-	-	-
215+66 - 216+04	RT	STH 55	39	-	-	-	-	-	-
218+22 - 218+44	RT	STH 55	34	-	-	-	-	-	-
218+21 - 218+44	LT	STH 55	29	-	-	-	-	-	-
13+88 - 14+37	LT	CTH OO	-	52	-	-	-	-	-
13+90 - 13+93	RT	CTH OO	-	15	-	-	-	-	-
13+93 - 14+38	RT	CTH OO	-	44	-	-	-	-	-
14+37 - 14+38	R/L	CTH OO	-	83	-	-	-	-	-
14+38 - 15+79	RT	CTH OO	-	140	-	-	-	-	-
		SUBTOTALS	436	1582	170	381	0	0	0

*ADDITIONAL QUANTITIES SHOWN IN CULVERT PIPE REMOVAL TABLE

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REMOVING STORM SEWER CONT.

STATION TO STATION	DIR	LOCATION	204.0245.01 6-10 INCH LF	204.0245.02 12-15 INCH LF	204.0245.03 18-21 INCH LF	204.0245.04 24-30 INCH LF	204.0245.05 36-42 INCH LF	204.0245.06 48-54 INCH LF	204.0270* ABANDON CULVERT PIPE EA
PROJECT 4650-08-71 CATEGORY 0010									
15+79 - 15+89	RT	CTH OO	-	12	-	-	-	-	-
15+79 - 15+91	RT	CTH OO	-	15	-	-	-	-	-
14+37 - 15+41	LT	CTH OO	-	-	-	106	-	-	-
15+41 - 15+64	LT	CTH OO	-	-	-	22	-	-	-
15+90 - 15+90	LT	CTH OO	-	17	-	-	-	-	-
21+22 - 21+22	LT	CTH OO	-	23	-	-	-	-	-
22+95 - 22+95	LT	CTH OO	-	21	-	-	-	-	-
234+26 - 234+28	LT	STH 55	-	-	-	-	12	-	-
234+26 - 234+29	RT	STH 55	-	-	-	-	-	279	-
234+26 - 236+28	LT	STH 55	-	-	-	-	-	202	-
236+28 - 236+29	R/L	STH 55	-	61	-	-	-	-	-
236+28 - 245+01	LT	STH 55	-	-	-	-	-	872	-
242+00 - 242+00	R/L	STH 55	-	58	-	-	-	-	-
245+00 - 245+02	LT	STH 55	-	-	-	-	10	-	-
245+02 - 248+15	R/L	STH 55	-	-	-	-	-	310	-
248+15 - 248+70	RT	STH 55	-	-	-	-	126	-	-
248+70 - 249+01	RT	STH 55	-	-	-	-	76	-	-
248+92 - 249+01	RT	STH 55	-	9	-	-	-	-	-
249+01 - 249+37	RT	STH 55	-	-	-	-	38	-	-
249+37 - 249+51	RT	STH 55	-	-	-	-	18	-	-
249+51 - 249+62	RT	STH 55	-	-	-	-	-	-	1
254+49 - 254+81	RT	STH 55	-	39	-	-	-	-	-
254+67 - 255+00	LT	STH 55	-	35	-	-	-	-	-
260+65 - 261+06	R/L	STH 55	-	41	-	-	-	-	-
		SUBTOTALS	0	331	0	128	280	1,663	1
		PROJECT TOTALS	436	1913	170	509	280	1663	1

*ADDITIONAL QUANTITIES SHOWN IN CULVERT PIPE REMOVAL TABLE

Division	From/To Station	Location	Common Excavation (1)	(item # 205.0100)	Salvaged/Unusable Pavement Material (4)	Available Material (5)	Expanded EBS Backfill (11)	Unexpanded Fill	Expanded Fill (13)	Mass Ordinate +/- (14)	Comment:
			Cut (2)	EBS Excavation (3)			Factor		Factor		
Division 1							1.30		1.25		
BADGER AVE	50+50/52+50		963		178	786	0	0	0	785	
CTH OO EB	12+67/15+50		1,163		367	796	0	94	118	678	
CTH OO EB	16+00/18+25		1,054		151	903	0	611	764	139	
CTH OO EB	20+00/26+39		1,699		569	1,129	0	542	677	452	
CTH OO RA	60+34/63+12		1,350		150	1,200	0	1,440	1,800	-600	SURFACE COMPARISON
CTH OO WB	20+00/22+25		354		67	287	0	544	680	-393	
CTH OO WB	15+75/18+25		946		157	788	0	807	1,009	-220	
DESNOYER ST EAST	21+50/22+00		129		0	129	0	1	1	128	
OVIATT ST	9+00/09+50		129		0	129	0	0	0	129	
STH 55 NB	209+58/222+50		6,915		1,111	5,805	0	672	840	4,965	
STH 55 NB	224+25/247+75		20,448		0	20,448	0	2,398	2,997	17,451	
STH 55 SB	221+50/222+50		152		0	152	0	406	507	-355	
STH 55 SB	224+25/226+50		586		0	586	0	1,256	1,570	-984	
STH 55 SB	244+00/247+75		1,959		0	1,959	0	469	586	1,372	
Ditch EBS CTH OO RAB			0	1,000	0	0	0	0	0	0	
Division 1 Subtotal			37,847	1,000	2,750	35,097	0	9,239	11,549	23,548	
Division 2											
CTH J	100+50/101+00		220		0	220	0	4	5	215	
Plank Rd	310+00/314+89		2,228		626	1,602	0	35	43	1,559	
STH 55 NB	207+50/209+00		717		230	487	0	41	52	435	
Division 2 Subtotal			3,165	0	855	2,309	0	80	100	2,209	
Division 3											
Gertrude EB	29+72/33+90.01		1,376		0	1,376	0	80	100	1,276	
Gertrude WB	32+050/33+90		577		0	577	0	5	6	571	
MALONEY RA	70+02/73+60		6,042		190	5,852	0	160	200	5,652	SURFACE COMPARISON
MALONEY RD EB	36+25/40+50		1,616		342	1,274	0	12	14	1,259	
MALONEY RD WB	36+25/37+50		956		0	956	0	0	0	956	
NB OFF RAMP	1111+50/1124+25		5,650	108	108	5,542	140	2,727	3,408	1,994	
NB OFF RAMP RTL	1122+00/1124+75		1,142		0	1,142	0	221	276	866	
NB ON RAMP	1200+25/1204+37		327	314	253	74	409	1,240	1,551	-1,885	
NB RAMP RA	80+50/83+68		2,050	278	300	1,750	361	1,661	2,076	-687	SURFACE COMPARISON
SB OFF RAMP	1124+00/1132+42		1,516	133	374	1,142	172	2,222	2,778	-1,807	
SB OFF RAMP RTL	1123+25/1126+00		473		0	473	0	424	530	-56	
SB ON RAMP	1101+50/1122+25		3,825	7	289	3,536	9	1,797	2,246	1,282	
SB RAMP RA	90+00/93+75		3,408	531	510	2,898	691	767	959	1,248	SURFACE COMPARISON
STH 55 NB	249+86/253+00		2,633		0	2,633	0	327	409	2,225	
STH 55 NB	255+50/259+75		2,456		0	2,456	0	336	420	2,036	
STH 55 NB	262+25/268+35		2,528		0	2,528	0	281	352	2,176	
STH 55 SB	249+75/253+50		1,200		0	1,200	0	847	1,059	141	
STH 55 SB	255+50/256+00		167		0	167	0	85	106	61	
STH 55 SB	259+50/260+00		88		0	88	0	66	82	5	
STH 55 SB	262+00/270+50		4,121		0	4,121	0	837	1,047	3,075	
Ditch EBS Ramp RAB's			0	1,700	0	0	0	0	0	0	
Division 3 Subtotal			42,151	3,070	2,365	39,787	1,781	14,094	17,617	20,388	
Grand Total			83,162	4,070	5,970	77,192	1,781	23,413	29,267	46,144	
		Total Common Exc		87,232.68							

3

BACKFILL GRANULAR GRADE 2

LOCATION	209.2100 CY
PROJECT 4650-08-71	
CATEGORY 0010	
EXISTING STORM SEWER REMOVAL BACKFILL	1,000
PROJECT TOTAL	1,000

FINISHING ROADWAY PROJECT 4650-08-71

STATION	TO	STATION	LOCATION	213.0100 FINISHING ROADWAY EA
PROJECT 4650-08-71 CATEGORY 0010				
207+30	-	270+63	STH 55	1
PROJECT TOTAL				1

SELECT CRUSHED MATERIAL

LOCATION	312.0110 TON
PROJECT 4650-08-71 CATEGORY 0010	
LAWE RAILROAD CROSSING	340
DELANGLADE RAILROAD CROSSING	600
PROJECT TOTAL	940

SUBBASE

STATION	TO	STATION	LOCATION	350.0102 SUBBASE CY
PROJECT 4650-08-71 CATEGORY 0010				
1104+77	-	1113+17	IH 41 NB OFF RAMP	580
1101+48	-	1116+42	IH 41 SB ON RAMP	1040
PROJECT TOTAL				1620

BASE AGGREGATE DENSE AND WATER

STATION	TO	STATION	LOCATION	305.0110 BASE AGGREGATE DENSE 3/4-INCH ** TON	305.0120 BASE AGGREGATE DENSE 1 1/4-INCH ** TON	311.0110 BREAKER RUN TON	624.0100 WATER MGAL	REMARKS
PROJECT 4650-08-71 CATEGORY 0010								
207+30	-	209+74	STH 55	0	570	1,330	13	INCLUDES LAWE ST
209+74	-	222+64	STH 55	0	2,690	6,830	60	
60+00	-	63+14	STH 55/CTH OO R-A-B	0	560	1,490	12	
224+02	-	247+84	STH 55	0	5,880	15,680	130	
70+00	-	74+08	STH 55/MALONEY RD R-A-B	0	1,370	3,650	31	
249+62	-	253+57	STH 55	0	1,430	3,820	32	
80+00	-	84+08	STH 55/IH 41 NB R-A-B	0	1,420	3,800	32	
255+35	-	260+00	STH 55	0	910	2,430	21	
90+00	-	94+39	STH 55/IH 41 SB R-A-B	0	1,450	3,870	33	
262+04	-	270+63	STH 55	60	1,970	4,890	42	
309+81	-	314+39	STH 96 (PLANK RD)	0	980	2,500	21	
12+66	-	18+38	CTH OO (HYLAND AVE)	10	1,610	1,570	20	
19+90	-	26+39	CTH OO (HYLAND AVE)	0	1,380	1,380	17	
9+00	-	9+52	OVIATT ST	0	150	0	1	
21+42	-	22+00	DESNOYER ST	0	160	0	1	
28+25	-	28+60	BLACKWELL ST	0	90	0	1	
50+66	-	52+50	BADGER ST	0	590	0	1	
28+01	-	33+30	GERTRUDE ST	60	1,780	0	12	
36+64	-	40+56	MALONEY RD.	110	1,680	0	13	
1104+76	-	1113+17	IH 41 NB OFF RAMP	70	4,780	0	30	
1113+17	-	1123+51	IH 41 NB OFF RAMP	60	1,080	0	8	
1201+07	-	1204+37	IH 41 NB ON RAMP	20	620	0	4	
1124+84	-	1130+53	IH 41 SB OFF RAMP	100	1,200	0	10	
1130+53	-	1132+42	IH 41 SB OFF RAMP	50	880	0	7	
1101+48	-	1116+53	IH 41 SB ON RAMP	0	3,990	0	24	
1116+53	-	1121+43	IH 41 SB ON RAMP	0	750	0	5	
UNDISTRIBUTED FOR TEMP ACCESS RAMPS				-	2,000	0	-	
DITCH EBS BACKFILL & UNDISTRIBUTED				-	-	6,760	-	
			TOTALS	540**	42,890**	60,000	581	

**ADDITIONAL QUANTITIES SHOWN IN CONCRETE DRIVEWAY TABLE, ASPHALTIC SURFACE DRIVEWAY & FIELD ENTERANCE TABLE, AND CONCRETE SIDEWALK TABLE

CONCRETE PAVEMENT

STATION TO STATION	LOCATION	415.0080 8-INCH SY*	415.0090 9-INCH SY	415.0095 9 1/2-INCH SY	415.1090 9-INCH HES SY	415.1095 9 1/2-INCH HES SY	SPV.0180.01 8-INCH SHES SY	SPV.0180.02 9-INCH SHES SY
PROJECT 4650-08-71 CATEGORY 0010								
207+30 - 209+73	STH 55	-	1,100	-	-	-	-	-
209+73 - 219+76	STH 55	-	4,800	-	-	-	-	-
220+36 - 222+64	STH 55	-	900	-	-	-	-	-
224+02 - 231+55	STH 55	-	4,340	-	-	-	-	-
231+55 - 232+25	STH 55	-	-	-	-	-	-	190
231+55 - 241+17	STH 55	-	5,380	-	-	-	-	-
241+17 - 241+87	STH 55	-	-	-	-	-	-	190
241+17 - 247+84	STH 55	-	3,590	-	-	-	-	-
249+62 - 253+57	STH 55	-	-	2,290	-	-	-	-
255+35 - 260+00	STH 55	-	-	1,930	-	-	-	-
261+86 - 270+53	STH 55	-	3,100	-	-	-	-	-
21+42 - 22+00	DESNOYER ST.	200	-	-	-	-	-	-
12+66 - 18+39	CTH OO (HYLAND AVE) WEST LEG	3300	-	-	-	-	-	-
19+90 - 26+27	CTH OO (HYLAND AVE) EAST LEG	2200	-	-	-	-	-	-
50+66 - 51+75	BADGER RD.	400	-	-	-	-	-	-
51+75 52+50	BADGER RD.	-	-	-	-	-	275	-
651+92 - 653+65	STH 55 RT TURN LN.	-	-	300	-	-	-	-
461+74 - 465+26	STH 55 SB RT TURN LN.	-	550	-	-	-	-	-
309+81 - 314+14	STH 96 (PLANK RD)	-	2,200	-	-	-	-	-
60+00 - 63+14	CTH OO RAB	-	1,050	-	-	-	-	-
29+53 - 34+02	GERTURDE RD	-	-	-	1,720	-	-	-
36+03 - 40+56	MALONEY RD	-	-	-	2,300	-	-	-
70+00 - 74+08	MALONEY/STH 55 R-A-B	-	-	490	-	1,360	-	-
1113+17 - 1124+48	USH 41 NB OFF RAMP	-	2,100	-	-	-	-	-
1121+30 - 1125+00	USH 41 NB OFF RAMP RT TURN LN.	-	600	-	-	-	-	-
1200+50 - 1204+37	USH 41 NB ON RAMP	-	750	-	-	-	-	-
1123+21 - 1127+51	USH 41 SB OFF RAMP RT TURN LN.	-	700	-	-	-	-	-
1116+41 - 1122+82	USH 41 SB ON RAMP	-	1,200	-	-	-	-	-
1123+86 - 1130+66	USH 41SB OFF RAMP	-	1,300	-	-	-	-	-
80+00 - 84+08	IH 41 NB R-A-B	-	-	2,000	-	-	-	-
90+00 - 94+40	IH 41 SB R-A-B	-	-	1,600	-	-	-	-
	PROJECT TOTALS	6,100*	33,660	8,610	4,020	1,360	275	380

*ADDITIONAL QTY LOCATED IN CONCRETE TRUCK APRON TABLE

3

3

CONCRETE PAVEMENT

STATION TO STATION	LOCATION	415.0080 8-INCH SY*	415.0090 9-INCH SY	415.0095 9 1/2-INCH SY	415.1080 8-INCH HES SY	415.1090 9-INCH HES SY	415.1095 1/2-INCH HES SY	SPV.0180.01 8-INCH SHES SY	SPV.0180.02 9-INCH SHES SY
PROJECT 4650-08-71 CATEGORY 0010									
207+30 - 209+73	STH 55	-	1,100	-	-	-	-	-	-
209+73 - 219+76	STH 55	-	4,800	-	-	-	-	-	-
220+36 - 222+64	STH 55	-	900	-	-	-	-	-	-
224+02 - 231+55	STH 55	-	4,340	-	-	-	-	-	-
231+55 - 232+25	STH 55	-	-	-	-	-	-	-	190
231+55 - 241+17	STH 55	-	5,380	-	-	-	-	-	-
241+17 - 241+87	STH 55	-	-	-	-	-	-	-	190
241+17 - 247+84	STH 55	-	3,590	-	-	-	-	-	-
249+62 - 253+57	STH 55	-	-	2,290	-	-	-	-	-
255+35 - 260+00	STH 55	-	-	1,930	-	-	-	-	-
261+86 - 270+53	STH 55	-	3,100	-	-	-	-	-	-
21+42 - 22+00	DESNOYER ST.	200	-	-	-	-	-	-	-
12+66 - 18+39	CTH OO (HYLAND AVE) WEST LEG	3300	-	-	-	-	-	-	-
19+90 - 26+27	CTH OO (HYLAND AVE) EAST LEG	2200	-	-	-	-	-	-	-
50+66 - 51+75	BADGER RD.	400	-	-	-	-	-	-	-
51+75 52+50	BADGER RD.	-	-	-	-	-	-	275	-
651+92 - 653+65	STH 55 RT TURN LN.	-	-	300	-	-	-	-	-
461+74 - 465+26	STH 55 SB RT TURN LN.	-	550	-	-	-	-	-	-
309+81 - 314+14	STH 96 (PLANK RD)	-	2,200	-	-	-	-	-	-
60+00 - 63+14	CTH OO RAB	-	1,050	-	-	-	-	-	-
29+53 - 34+02	GERTURDE RD	-	-	-	1,720	-	-	-	-
36+03 - 40+56	MALONEY RD	-	-	-	2,300	-	-	-	-
70+00 - 74+08	MALONEY/STH 55 R-A-B	-	-	490	-	-	1,360	-	-
1113+17 - 1124+48	USH 41 NB OFF RAMP	-	2,100	-	-	-	-	-	-
1121+30 - 1125+00	USH 41 NB OFF RAMP RT TURN LN.	-	600	-	-	-	-	-	-
1200+50 - 1204+37	USH 41 NB ON RAMP	-	750	-	-	-	-	-	-
1123+21 - 1127+51	USH 41 SB OFF RAMP RT TURN LN.	-	700	-	-	-	-	-	-
1116+41 - 1122+82	USH 41 SB ON RAMP	-	1,200	-	-	-	-	-	-
1123+86 - 1130+66	USH 41SB OFF RAMP	-	1,300	-	-	-	-	-	-
80+00 - 84+08	IH 41 NB R-A-B	-	-	2,000	-	-	-	-	-
90+00 - 94+40	IH 41 SB R-A-B	-	-	1,600	-	-	-	-	-
	PROJECT TOTALS	6,100*	33,660	8,610	4,020	0	1,360	275	380

*ADDITIONAL QTY LOCATED IN CONCRETE TRUCK APRON TABLE

Addendum No.01
ID 4650-08-71
Revised Sheet 240
December 4, 2017

CONCRETE TRUCK APRON

STATION		TO STATION	DIR	LOCATION	415.0080 CONCRETE PAVEMENT 8-INCH SY*	416.0512 CONCRETE TRUCK APRON 12-INCH SY	405.0100 COLORING CONCRETE ** CY
PROJECT 4650-08-71 CATEGORY 0010							
60+00	-	63+14	R/L	STH 55/CTH OO RAB	-	330	110
70+00	-	74+08	R/L	STH 55/MALONEY RAB	-	435	145
80+00	-	84+08	R/L	STH 55/IH 41 NB RAB	-	675	225
90+00	-	94+39	R/L	STH 55/IH41 SB RAB	-	810	270
221+70	-	222+86	RT	STH 55 THRU/RT TURN LN.	55	-	12
224+40	-	224+87	LT	STH 55 THRU/RT TURN SPLITTER	80	-	18
224+43	-	224+53	LT	STH 55 RT TURN LN	115	-	26
17+44	-	18+56	RT	CTH OO THRU/RT TURN SPLITTER	120	-	27
19+94	-	20+63	LT	CTH OO RT TURN LN.	40	-	9
244+08	-	245+57	R/L	STH 55 SPLITTER ISLAND	140	-	31
36+18	-	36+60	LT	MALONEY RD THRU/RT TURN LN SPLITTER	20	-	4
1123+82	-	1125+07	R/L	IH 41 NB OFF RAMP RT TURN LN.	95	-	21
1200+00	-	1201+08	RT & LT	IH 41 NB ON RAMP	130	-	29
259+51	-	259+93	R/L	STH 55 SPLITTER ISLAND	95	-	21
262+84	-	262+01	R/L	STH 55 SPLITTER ISLAND	105	-	23
461+74	-	463+28	R/L	STH 55 RT TURN LN	160	-	36
1123+12	-	1125+50	R/L	IH 41 SB OFF RAMP RT TURN LN.	270	-	60
1121+43	-	1122+70	R/L	IH 41 SB ON RAMP	255	-	57
				PROJECT TOTALS	1,680*	2,250	1,123

* ADDITIONAL QUANTITY LOCATED IN CONCRETE PAVEMENT TABLE

**ADDITIONAL QUANTITY LOCATED IN CONCRETE SIDEWALK TABLE

CONCRETE SURFACE DRAIN

STATION	DIR	LOCATION	416.1010 CONCRETE SURFACE DRAIN CY	645.0130 GEOTEXTILE FABRIC TYPE R SY
PROJECT 4650-08-71 CATEGORY 0010				
22+15	RT	CTH OO EB	2	10
		PROJECT TOTALS	2	10

CONCRETE PAVEMENT GAPS

STATION	TO	STATION	DIR	LOCATION	405.0210 CONCRETE PAVEMENT GAPS EACH
PROJECT 4650-08-71 CATEGORY 0010					
210+23	-	210+71	LT	STH 55	1
231+55	-	232+25	LT	STH 55	1
237+55	-	238+25	RT	STH 55	1
241+17	-	241+87	LT	STH 55	1
313+08	-	313+39	RT	STH 96	1
313+14	-	313+37	LT	STH 96	1
13+26	-	13+69	LT	CTH OO (HYLAND AVE)	1
14+25	-	15+00	RT	CTH OO (HYLAND AVE)	1
38+02	-	38+39	LT	MALONEY RD	1
38+74	-	39+12	LT	MALONEY RD	1
				PROJECT TOTAL	10

3

CONCRETE DRIVEWAYS

STATION TO STATION			DIR	LOCATION	305.0120 * BASE AGGREGATE DENSE 1 1/4-INCH TON	416.0160 6-INCH SY	416.0180 8-INCH SY	416.0260 6-INCH HES SY	416.0280 8-INCH HES SY	SPV.0180.03 8-INCH SHES SY
PROJECT 4650-08-71 CATEGORY 0010										
207+98	-	208+32	LT	STH 55	10	29	---	---	---	---
210+23	-	210+71	LT	STH 55	10	---	---	28	---	---
214+27	-	214+48	RT	STH 55	16	45	---	---	---	---
214+38	-	214+66	LT	STH 55	16	46	---	---	---	---
216+87	-	217+19	LT	STH 55	17	48	---	---	---	---
217+10	-	217+34	RT	STH 55	21	59	---	---	---	---
217+49	-	217+84	RT	STH 55	13	38	---	---	---	---
217+96	-	218+31	RT	STH 55	13	38	---	---	---	---
228+01	-	228+28	LT	STH 55	17	48	---	---	---	---
229+28	-	229+89	RT	STH 55	29	---	83	---	---	---
231+52	-	232+11	LT	STH 55	33	---	---	---	---	93
237+42	-	238+03	RT	STH 55	22	---	63	---	---	---
239+17	-	239+78	RT	STH 55	22	---	63	---	---	---
241+14	-	241+75	LT	STH 55	33	---	---	---	---	93
243+05	-	244+00	RT	STH 55	35	---	101	---	---	---
310+90	-	311+33	LT	STH 96	16	46	---	---	---	---
311+08	-	311+50	RT	STH 96	17	50	---	---	---	---
313+08	-	313+39	RT	STH 96	26	37	---	37	---	---
313+14	-	313+37	LT	STH 96	23	32	---	32	---	---
313+56	-	313+76	RT	STH 96	12	34	---	---	---	---
313+58	-	313+71	LT	STH 96	10	27	---	---	---	---
13+26	-	13+69	LT	CTH OO (HYLAND AVE)	14	---	---	41	---	---
100+85	-	101+02	LT	CTH J (LAWE ST)	5	15	---	---	---	---
30+46	-	30+97	LT	GERTRUDE ST.	32	---	---	---	92	---
31+18	-	31+55	RT	GERTRUDE ST.	14	40	---	---	---	---
31+67	-	32+04	RT	GERTRUDE ST.	13	---	---	38	---	---
32+46	-	32+90	RT	GERTRUDE ST.	25	---	---	71	---	---
32+58	-	33+06	LT	GERTRUDE ST.	36	---	---	---	103	---
32+99	-	33+40	RT	GERTRUDE ST.	19	53	---	---	---	---
36+74	-	37+19	LT	MALONEY RD	25	---	---	71	---	---
38+02	-	38+39	LT	MALONEY RD	14	---	---	39	---	---
38+74	-	39+12	LT	MALONEY RD	14	---	---	41	---	---
39+60	-	39+76	LT	MALONEY RD	2	5	---	---	---	---
39+61	-	39+97	RT	MALONEY RD	13	36	---	---	---	---
PROJECT TOTALS					637	726	310	398	195	186

* QUANTITY SHOWN ON BASE AGGREGATE, ASPHALTIC DRIVEWAYS & FIELD ENTRANCES TABLES

ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTERANCES

STATION TO STATION			DIR	LOCATION	305.0120 * BASE AGGREGATE DENSE 1 1/4-INCH TON	465.0120 ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES TON
PROJECT 4650-08-71 CATEGORY 0010						
208+02	-	208+29	LT	STH 55	11	4
210+23	-	210+71	LT	STH 55	20	6
217+48	-	218+46	RT	STH 55	17	6
227+98	-	228+25	LT	STH 55	10	3
229+16	-	230+04	RT	STH 55	265	87
231+60	-	232+04	LT	STH 55	70	23
237+54	-	238+01	RT	STH 55	80	26
239+20	-	239+72	RT	STH 55	48	16
241+27	-	241+62	LT	STH 55	78	26
264+69	-	265+69	LT	STH 55	161	53
264+70	-	265+70	RT	STH 55	132	43
310+90	-	311+33	LT	STH 96	30	10
310+84	-	313+46	RT	STH 96	58	19
313+14	-	313+37	LT	STH 96	2	1
313+56	-	313+76	RT	STH 96	3	1
9+01	-	9+16	LT	OVIATT ST.	4	1
13+26	-	13+69	LT	CTH OO (HYLAND AVE)	21	7
14+37	-	14+87	RT	CTH OO (HYLAND AVE)	26	9
14+35	-	14+75	LT	CTH OO (HYLAND AVE)	19	6
21+48	-	23+09	-	CTH OO (HYLAND AVE)	164	54
22+01	-	22+62	LT	CTH OO (HYLAND AVE)	113	37
51+11	-	51+45	LT	BADGER ST.	26	8
51+75	-	52+22	RT	BADGER ST.	30	10
51+95	-	52+29	LT	BADGER ST.	15	5
31+22	-	31+52	RT	MALONEY RD.	57	19
31+71	-	32+00	RT	MALONEY RD.	31	10
32+51	-	33+34	RT	MALONEY RD.	186	61
32+62	-	33+04	LT	MALONEY RD.	28	9
36+85	-	37+15	LT	MALONEY RD.	120	40
38+05	-	38+35	LT	MALONEY RD.	16	5
38+77	-	39+07	LT	MALONEY RD.	7	2
39+63	-	39+93	RT	MALONEY RD.	2	1
100+88	-	100+97	LT	LAWE ST.	1	0
PROJECT TOTALS					1,849	607

* QUANTITES SHOWN ELSEWHERE ON PLAN

CONCRETE MEDIAN SLOPED NOSE

STATION	-	STATION	LOCATION	620.0300 CONCRETE MEDIAN SLOPED NOSE SF
PROJECT 4650-08-71 CATEGORY 0010				
219+54	-	220+21	STH 55 R.R. CROSSING	136
222+60	-	226+80	STH 55/CTH OO R-A-B	462
244+00	-	249+63	STH 55/MALONEY R-A-B	458
252+10	-	255+94	STH 55/IH 41 NB R-A-B	415
259+45	-	263+56	STH 55/IH 41 SB R-A-B	384
PROJECT TOTAL				1,856

DRILLED DOWEL BARS

STATION	DIR	LOCATION	416.0620 DRILLED DOWEL BARS EACH
PROJECT 4650-08-71 CATEGORY 0010			
11+50	R/L	OVIATT ST	22
19+50	R/L	DESNOYER ST	21
22+00	R/L	DESNOYER ST	21
31+66	R/L	BLACKWELL ST	26
12+66	R/L	CTH OO (HYLAND)	38
52+50	R/L	BADGER RD	26
40+56	R/L	MALONEY RD	34
PROJECT TOTALS			188

DRILLED TIE BARS

STATION	TO	STATION	DIR	LOCATION	416.0610 DRILLED TIE BARS EACH
PROJECT 4650-08-71 CATEGORY 0010					
270+78	-	270+93	LT	STH 55	8
270+38	-	270+41	LT	STH 55	6
PROJECT TOTALS					14

ASPHALTIC ITEMS

STATION	TO	STATION	DIR	LOCATION	204.0120 REMOVING ASPHALTIC SURFACE MILLING SY	450.4000 HMA COLD WEATHER PAVING TON	455.0605 TACK COAT GAL	460.5223 HMA PAVEMENT 3 LT 58-28 S TONS	460.5224 HMA PAVEMENT 4 LT 58-28 S TONS	460.6223 HMA PAVEMENT 3 MT 58-28 S TONS	460.6224 HMA PAVEMENT 4 MT 58-28 S TONS	460.7223 HMA PAVEMENT 3 HT 58-28 S TONS	460.7224 HMA PAVEMENT 4 HT 58-28 S TONS	465.0400 ASPHALTIC SHOULDER RUMBLE STRIPS LF
PROJECT 4650-08-71 CATEGORY 0010														
207+47	-	208+07	R/L	STH 55	-	-	38	-	-	95	35	-	-	-
219+76	-	220+40	R/L	STH 55	-	-	32	-	-	80	30	-	-	-
264+58	-	268+35	RT	STH 55	-	-	12	-	40	5	5	-	-	-
270+50	-	270+65	LT	STH 55	-	-	4	-	-	10	5	-	-	-
314+14	-	314+39	R/L	STH 96 (PLANK RD)	-	-	19	25	20	-	-	-	-	-
100+90	-	101+00	R/L	CTH J (LAWE ST)	-	-	20	25	20	-	-	-	-	-
28+25	-	28+60	R/L	BLACKWELL ST	-	-	14	20	15	-	-	-	-	-
26+27	-	26+40	R/L	CTH OO (HYLAND AVE)	-	-	6	10	5	-	-	-	-	-
28+01	-	29+53	R/L	OVIATT ST	-	-	16	20	15	-	-	-	-	-
1200+00	-	1204+50	R/L	IH 41 NB ON RAMP	-	24	42	55	40	-	-	-	-	-
1104+75	-	1123+55	R/L	IH 41 NB OFF RAMP	1,600	204	210	-	405	-	-	300	110	750
1101+45	-	1121+44	R/L	IH 41 SB ON RAMP	2,300	249	259	-	305	-	-	505	185	950
1124+84	-	1132+43	R/L	IH 41 SB OFF RAMP	660	76	78	-	195	-	-	80	30	-
				PROJECT TOTALS	4,560	553	748	155	1,060	190	75	885	325	1,700

ASPHALTIC SURFACE

STATION	TO	STATION	DIR	LOCATION	305.0120** 1 1/4 INCH BASE AGG TON	465.0105 ASPHALTIC SURFACE TON
PROJECT 4650-08-71 CATEGORY 0040						
314+39	-	315+09	LT	STH 96	35	20
101+00	-	102+64	RT	CTH J	70	40
				PROJECT TOTALS	105	60

**QUANTITY SHOWN ELSEWHERE ON PLANS

ASPHALTIC SURFACE TEMPORARY

STATION	TO	STATION	DIR	LOCATION	465.0125 ASPHALTIC SURFACE TEMP. TON
PROJECT 4650-08-71 CATEGORY 0010					
208+00	-	210+00	LT	STH 55	40
246+75	-	247+89	R/L	STH 55	60
				PROJECT TOTAL	100

ASPHALTIC ITEMS

STATION	TO	STATION	DIR	LOCATION	204.0120 REMOVING ASPHALTIC SURFACE MILLING SY	450.4000 HMA COLD WEATHER PAVING TON	455.0605 TACK COAT GAL	460.5223 HMA PAVEMENT 3 LT 58-28 S TONS	460.5224 HMA PAVEMENT 4 LT 58-28 S TONS	460.6223 HMA PAVEMENT 3 MT 58-28 S TONS	460.6224 HMA PAVEMENT 4 MT 58-28 S TONS	460.7223 HMA PAVEMENT 3 HT 58-28 S TONS	460.7224 HMA PAVEMENT 4 HT 58-28 S TONS	465.0400 ASPHALTIC SHOULDER RUMBLE STRIPS LF
PROJECT 4650-08-71 CATEGORY 0010														
207+47	-	208+07	R/L	STH 55	-	-	38	-	-	95	35	-	-	-
219+76	-	220+40	R/L	STH 55	-	-	32	-	-	80	30	-	-	-
264+58	-	268+35	RT	STH 55	-	-	12	-	40	5	5	-	-	-
270+50	-	270+65	LT	STH 55	-	-	4	-	-	10	5	-	-	-
314+14	-	314+39	R/L	STH 96 (PLANK RD)	-	-	19	25	20	-	-	-	-	-
100+90	-	101+00	R/L	CTH J (LAWE ST)	-	-	20	25	20	-	-	-	-	-
28+25	-	28+60	R/L	BLACKWELL ST	-	-	14	20	15	-	-	-	-	-
26+27	-	26+40	R/L	CTH OO (HYLAND AVE)	-	-	6	10	5	-	-	-	-	-
28+01	-	29+53	R/L	OVIATT ST	-	-	16	20	15	-	-	-	-	-
1200+00	-	1204+50	R/L	IH 41 NB ON RAMP	-	24	42	55	40	-	-	-	-	-
1104+75	-	1123+55	R/L	IH 41 NB OFF RAMP	1,600	195	286	-	260	-	-	340	180	750
1101+45	-	1121+44	R/L	IH 41 SB ON RAMP	2,300	201	318	-	135	-	-	420	250	950
1124+84	-	1132+43	R/L	IH 41 SB OFF RAMP	660	78	78	-	200	-	-	80	30	-
				PROJECT TOTALS	4,560	498	883	155	750	190	75	840	460	1,700

ASPHALTIC SURFACE

STATION	TO	STATION	DIR	LOCATION	305.0120** 1 1/4 INCH BASE AGG TON	465.0105 ASPHALTIC SURFACE TON
PROJECT 4650-08-71 CATEGORY 0040						
314+39	-	315+09	LT	STH 96	35	20
101+00	-	102+64	RT	CTH J	70	40
				PROJECT TOTALS	105	60

**QUANTITY SHOWN ELSEWHERE ON PLANS

ASPHALTIC SURFACE TEMPORARY

STATION	TO	STATION	DIR	LOCATION	465.0125 ASPHALTIC SURFACE TEMP. TON
PROJECT 4650-08-71 CATEGORY 0010					
208+00	-	210+00	LT	STH 55	40
246+75	-	247+89	R/L	STH 55	60
				PROJECT TOTAL	100

Addendum No.01
ID 4650-08-71
Revised Sheet 243
December 4, 2017

CONCRETE CURB AND GUTTER

STATION TO STATION			DIR	LOCATION	601.0409 CONCRETE CURB & GUTTER 30-INCH TYPE A ** LF	601.0411 CONCRETE CURB & GUTTER 30-INCH TYPE D LF	601.0501 CONCRETE CURB & GUTTER INTEGRAL 4-INCH SLOPED 36-INCH LF	601.0551 CONCRETE CURB & GUTTER 36-INCH TYPE A LF	601.0580 CONCRETE CURB & GUTTER 36-INCH TYPE R LF	601.0452 CONCRETE CURB & GUTTER 30-INCH INTEGRAL LF	SPV.0090.02 CONCRETE CURB & GUTTER INTEGRAL 18 INCH TYPE D MODIFIED LF	SPV.0090.03 CONCRETE CURB & GUTTER INTEGRAL SHES 18-INCH TYPE D MODIFIED LF	SPV.0090.04 CONCRETE CURB & GUTTER HES 18-INCH TYPE A MODIFIED LF	SPV.0090.05 CONCRETE CURB & GUTTER 30-INCH TYPE A MODIFIED LF	SPV.0090.06 CONCRETE CURB & GUTTER HES 30-INCH TYPE A MODIFIED LF	SPV.0090.07 CONCRETE CURB & GUTTER HES 30-INCH TYPE A LF	SPV.0090.08 CONCRETE CURB & GUTTER SHES 4-INCH SLOPED 36-INCH TYPE R LF	SPV.0090.18 CONCRETE CURB AND GUTTER SPECIAL 24-INCH TYPE D LF
PROJECT 4650-08-71 CATEGORY 0010																			
207+30	-	209+74	RT	STH 55	138	36	---	---	---	---	---	---	---	---	---	---	---	---	---
207+30	-	209+74	LT	STH 55	115	36	---	---	---	---	---	---	---	---	---	---	---	---	---
209+74	-	222+64	RT	STH 55	1,089	39	---	130	---	194	---	---	---	---	---	---	---	---	---
209+74	-	222+64	LT	STH 55	1,128	38	---	---	---	---	---	---	---	---	---	---	29	---	---
219+60		222+70	R/L	STH 55 SPLITTER ISLAND	535	84	---	---	---	---	---	---	---	---	---	---	---	---	---
224+02	-	247+84	LT	STH 55	277	---	---	---	---	---	1,932	122	---	---	---	---	---	---	---
224+02	-	247+84	RT	STH 55	385	---	---	---	---	---	2,151	122	---	---	---	---	---	---	---
224+00	-	226+80	R/L	STH 55 SPLITTER ISLAND	546	---	---	185	---	---	---	---	---	---	---	---	---	---	---
244+04	-	247+85	R/L	STH 55 SPLITTER ISLAND	492	---	---	295	---	---	---	---	---	---	---	---	---	---	---
249+62	-	253+57	RT	STH 55	322	---	---	---	---	---	---	---	---	---	---	---	---	---	---
249+62	-	253+57	LT	STH 55	339	---	---	100	---	---	---	---	---	---	---	---	---	---	---
249+50	-	253+60	R/L	STH 55 SPLITTER ISLAND	847	---	---	---	---	---	---	---	---	---	---	---	36	---	---
652+13	-	653+65	R/L	STH 55 RT TURN LN	310	---	---	110	---	---	---	---	---	---	---	---	---	---	---
255+35	-	260+00	RT	STH 55	658	---	---	---	---	---	---	---	---	---	---	---	---	---	---
255+35	-	260+00	LT	STH 55	584	---	---	---	---	---	---	---	---	---	---	---	---	---	---
255+30	-	255+90	R/L	STH 55 SPLITTER ISLAND	139	---	---	---	---	---	---	---	---	---	---	---	---	---	---
259+45	-	260+00	R/L	STH 55 SPLITTER ISLAND	---	---	---	128	---	---	---	---	---	---	---	---	---	---	---
262+04	-	270+63	RT	STH 55	223	10	---	---	---	---	---	---	---	---	---	---	---	---	---
262+04	-	270+63	LT	STH 55	860	80	---	---	---	---	---	---	---	---	---	---	---	---	---
261+75	-	270+62	R/L	STH 55 SPLITTER ISLAND	1,442	---	---	165	---	---	---	---	---	---	---	---	---	---	---
461+75	-	463+33	R/L	STH 55 RT TURN LN	---	---	---	320	---	---	---	---	---	---	---	---	---	---	---
309+81	-	314+39	RT	STH 96 (PLANK RD)	390	---	---	---	---	---	---	---	---	---	---	---	33	---	---
309+81	-	314+39	LT	STH 96 (PLANK RD)	350	---	---	---	---	---	---	---	---	---	---	---	35	---	---
12+66	-	18+38	RT	CTH OO (HYLAND AVE)	508	---	---	---	---	---	---	---	---	---	---	---	75	---	---
12+66	-	18+38	LT	CTH OO (HYLAND AVE)	408	---	---	170	---	---	---	---	---	---	---	---	43	---	---
15+45	-	18+45	R/L	CTH OO SPLITTER ISLAND	594	---	---	---	---	---	---	---	---	---	---	---	---	---	---
17+40	-	18+46	R/L	CTH OO RT TURN LN SPLITTER	----	---	---	225	---	---	---	---	---	---	---	---	---	---	---
19+90	-	26+39	RT	CTH OO (HYLAND AVE)	235	---	---	---	---	---	---	---	---	---	---	---	---	---	---
19+90	-	26+39	LT	CTH OO (HYLAND AVE)	386	---	---	115	---	---	---	---	---	---	61	---	---	---	---
19+85	-	26+25	R/L	CTH OO SPLITTER ISLAND	960	---	---	---	---	---	---	---	---	---	320	---	---	---	---
100+00	-	101+00	RT	CTH J (LAWE ST)	81	---	---	---	---	---	---	---	---	---	---	---	---	---	---
100+00	-	101+00	LT	CTH J (LAWE ST)	72	12	---	---	---	---	---	---	---	---	---	---	---	---	---
29+00	-	34+12	RT	GERTURDE ST	---	10	---	---	---	---	---	---	---	---	---	38	419	---	---
29+00	-	34+12	LT	GERTURDE ST	---	---	---	---	---	---	---	---	---	---	---	100	436	---	15
33+40	-	34+10	R/L	GERTRUDE ST SPLITTER	---	---	---	---	---	---	---	---	---	---	---	---	144	---	---
35+93	-	40+56	RT	MALONEY RD	---	---	350	---	---	---	---	---	---	---	---	---	197	---	---
35+93	-	40+56	LT	MALONEY RD	---	79	145	---	---	---	---	---	---	---	---	---	380	---	---
36+00	-	36+60	R/L	MALONEY RD SPLITTER	---	---	---	---	---	---	---	---	---	---	---	---	116	---	---
36+00	-	36+60	LT	MALONEY RT TURN SPLITTER	---	---	---	---	---	---	---	---	---	95	---	---		---	---
				SUBTOTALS	14,413	424	495	1,943	0	194	4,083	244	95	381	138	1,943	0	15	

3

CONCRETE CURB AND GUTTER

STATION TO STATION			DIR	LOCATION	601.0409 CONCRETE CURB & GUTTER 30-INCH TYPE A ** LF	601.0411 CONCRETE CURB & GUTTER 30-INCH TYPE D LF	601.0501 CONCRETE CURB & GUTTER INTEGRAL 4-INCH SLOPED 36-INCH LF	601.0551 CONCRETE CURB & GUTTER 36-INCH TYPE A LF	601.0580 CONCRETE CURB & GUTTER 36-INCH TYPE R LF	601.0452 CONCRETE CURB & GUTTER 30-INCH INTEGRAL LF	SPV.0090.02 CONCRETE CURB & GUTTER INTEGRAL 18 INCH TYPE D MODIFIED LF	SPV.0090.03 CONCRETE CURB & GUTTER INTEGRAL SHES 18-INCH TYPE D MODIFIED LF	SPV.0090.04 CONCRETE CURB & GUTTER HES 18-INCH TYPE A MODIFIED LF	SPV.0090.05 CONCRETE CURB & GUTTER 30-INCH TYPE A MODIFIED LF	SPV.0090.06 CONCRETE CURB & GUTTER HES 30-INCH TYPE A MODIFIED LF	SPV.0090.07 CONCRETE CURB & GUTTER HES 30-INCH TYPE A LF	SPV.0090.08 CONCRETE CURB & GUTTER SHES 4-INCH SLOPED 36-INCH TYPE R LF	SPV.0090.18 CONCRETE CURB AND GUTTER SPECIAL 24-INCH TYPE D LF
PROJECT 4650-08-71 CATEGORY 0010																			
1124+25	-	1124+55	R/L	IH 41 NB OFF RAMP ISLAND	350	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1123+90	-	1125+07	RT	H 41 NB OFF RAMP RT TURN L	---	---	---	211	---	---	---	---	---	---	---	---	---	---	---
1123+75	-	1124+55	LT	IH 41 NB OFF RAMP	97	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1200+00	-	1201+57	RT	IH 41 ON RAMP	---	---	---	125	---	---	---	---	---	---	---	---	---	---	---
1200+00	-	1201+07	LT	IH 41 ON RAMP	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1123+12	-	1126+25	R/L	IH 41 SB OFF RAMP ISLAND	475	---	---	132	---	---	---	---	---	---	---	---	---	---	---
1123+79	-	1124+85	R/L	IH 41 SB OFF RAMP	98	---	---	245	---	---	---	---	---	---	---	---	---	---	---
1123+12	-	1125+50	R/L	H 41 SB OFF RAMP RT TURN L	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1121+43	-	1122+75	RT	IH 41 SB ON RAMP	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1121+43	-	1122+75	LT	IN 41 SB ON RAMP	131	---	---	125	---	---	---	---	---	---	---	---	---	---	---
60+00	-	63+14	R/L	STH 55/CTH OO R-A-B	---	---	---	---	298	---	---	---	---	---	---	---	---	---	---
70+00	-	74+08	R/L	STH 55/MALONEY R-A-B	---	---	---	---	392	---	---	---	---	---	---	---	---	---	---
80+00	-	84+08	R/L	STH 55/IH 41 NB R-A-B	---	---	---	---	392	---	---	---	---	---	---	---	---	---	---
90+00	-	94+39	R/L	STH 55/IH 41 SB R-A-B	---	---	---	95	421	---	---	---	---	---	---	---	---	---	---
9+00	-	10+00	RT	OVIATT ST	---	53	---	---	---	---	---	---	---	---	---	---	---	---	---
9+00	-	10+00	LT	OVIATT ST	---	53	---	---	---	---	---	---	---	---	---	---	---	---	---
50+50	-	52+50	RT	BADGER RD	---	---	110	---	---	---	---	---	---	---	---	---	---	75	---
50+50	-	52+50	LT	BADGER RD	---	---	110	---	---	---	---	---	---	---	---	---	---	75	---
				SUBTOTALS	1,151	106	220	933	1,503	0	0	0	0	0	0	0	150	0	
				PROJECT TOTALS	15,564	530	715	2,876	1,503	194	4,083	244	95	381	138	1,943	150	15	

CONCRETE CURB PEDESTRIAN

STATION	-	STATION	LOCATION	601.0600 CONCRETE CURB PEDESTRIAN LF
PROJECT 4650-08-71 CATEGORY 0010				
222+42	-	222+56	STH 55 SPLITTER ISLAND	65
224+21	-	224+34	STH 55 SPLITTER ISLAND	40
18+16	-	18+27	CTH OO SPLITTER ISLAND	32
20+00	-	20+10	CTH OO SPLITTER ISLAND	30
247+62	-	247+71	STH 55 SPLITTER ISLAND	62
249+69	-	249+79	STH 55 SPLITTER ISLAND	65
33+79	-	33+89	GERTRUDE RD	46
36+15	-	36+25	MALONEY RD	40
253+35	-	253+45	STH 55 SPLITTER ISLAND	90
653+04	-	653+36	STH 55 RT TURN LANE ISLAND	75
1124+30	-	1124+88	IH 41 NB OFF RAMP SPLITER ISLAND	150
262+13	-	262+23	STH 55 SPLITTER ISLAND	125
			PROJECT TOTALS	820

CULVERT PIPES

STATION	DIR	LOCATION	521.3118 CULVERT PIPE CORRUGATED STEEL 18-INCH LF	521.1503 AEW FOR CULVERT PIPE SLOPED SIDE DRAINS STEEL 18-INCH 4 TO 1 EACH
PROJECT 4650-08-71 CATEGORY 0010				
1116+50	LT	IH 41 SB ON RAMP	4	1
		PROJECT TOTAL	4	1

CONCRETE CURB AND GUTTER

STATION TO STATION	DIR	LOCATION	604.0409 CONCRETE CURB & GUTTER 30-INCH TYPE A ** LF
PROJECT 4650-08-71 CATEGORY 0040			
101+05 - 101+15	LT	CTH J	10
101+73 - 101+83	LT	CTH J	10
102+37 - 102+47	RT	CTH J	10
102+47 - 102+57	LT	CTH J	10
		PROJECT TOTAL	40

**QUANTITY SHOWN ELSEWHERE ON PLAN

CONCRETE SIDEWALK

STATION		TO STATION	DIR	LOCATION	305.0110 BASE AGG DENSE 3/4-INCH * TON	405.0100 COLORING CONCRETE ** CY	602.0405 CONCRETE SIDEWALK 4-INCH *** SF	602.041 CONCRETE SIDEWALK 5-INCH **** SF	602.0415 CONCRETE SIDEWALK 6-INCH SF	SPV.0165.03 CONCRETE SIDEWALK 8-INCH SF	602.0515 CURB RAMP DETECTABLE WARNING FILED NATURAL PATINA SF
PROJECT 4650-08-71 CATEGORY 0010											
207+30	-	209+74	RT	STH 55	16	---	500	---	320	---	44
207+30	-	209+74	LT	STH 55	11	---	---	---	580	---	30
209+74	-	222+64	RT	STH 55	188	36	7,670	1,000	980	---	192
209+74	-	222+64	LT	STH 55	139	---	4,960	940	1,120	110	190
224+02	-	247+84	RT	STH 55	313	49	13,170	2,120	830	---	104
224+02	-	247+84	LT	STH 55	80	---	---	3,840	160	140	100
249+62	-	253+57	RT	STH 55	257	93	7,560	4,420	1,210	60	100
249+62	-	253+57	LT	STH 55	101	---	---	5,090	60	60	100
255+35	-	260+00	RT	STH 55	117	11	870	5,150	---	---	20
255+35	-	260+00	LT	STH 55	112	---	---	5,740	---	---	20
262+04	-	270+63	RT	STH 55	52	---	1,020	840	670	170	92
262+04	-	270+63	LT	STH 55	191	---	340	8,980	470	---	156
309+81	-	314+39	RT	STH 96 (PLANK RD)	23	---	1,170	---	---	---	12
309+81	-	314+39	LT	STH 96 (PLANK RD)	40	---	1,700	---	340	---	10
12+66	-	18+39	RT	CTH OO (HYLAND AVE)	92	24	1,970	2,330	260	170	60
12+66	-	18+39	LT	CTH OO (HYLAND AVE)	42	8	640	---	---	1,510	60
19+90	-	26+39	RT	CTH OO (HYLAND AVE)	22	---	---	870	260	---	36
19+90	-	26+39	LT	CTH OO (HYLAND AVE)	24	---	---	1,140	---	110	36
100+00	-	101+00	RT	CTH J (LAWE ST)	9	---	170	---	310	---	10
100+00	-	101+00	LT	CTH J (LAWE ST)	9	---	220	---	220	---	10
29+00	-	34+12	RT	GERTRUDE ST	57	9	1,790	830	330	---	40
29+00	-	34+12	LT	GERTRUDE ST	43	---	1,320	790	110	---	40
35+93	-	39+00	RT	MALONEY RD	47	7	570	1,540	300	---	40
35+93	-	39+00	LT	MALONEY RD	40	---	300	1,610	100	60	80
1124+25	-	1124+55	R/L	IH 41 NB OFF RAMP ISLAND	17	---	---	620	140	120	80
1200+00	-	1200+50	R/L	IH 41 NB ON RAMP ISLAND	3	---	---	---	---	130	80
1122+00	-	1122+82	R/L	IH 41 SB ON RAMP ISLAND	19	---	---	---	950	---	80
1123+30	-	1124+00	R/L	IH 41 SB OFF RAMP ISLAND	17	---	---	---	840	50	40
PROJECT TOTALS					2,081	237	45,940	47,850	10,560	2,690	1,862

* ADDITIONAL QUANTITY SHOWN IN BASE COURSE TABLE
**ADDITIONAL QUANTITY SHOWN IN CONCRETE TRUCK APRON TABLE
***ADDITIONAL QUANTITY SHOWN IN CONCRETE SIDEWALK TABLE CATEGORY 0040
****ADDITIONAL QUANTITY SHOWN IN CONCRETE SIDEWALK TABLE CATEGORY 0020

GUARDRAIL

STATION		TO STATION	DIR	LOCATION	614.0115 ANCHORAGE FOR STEEL PLATE BEAM GUARD TYPE 2 EACH	614.0305 STEEL PLATE BEAM GUARD CLASS A LF *	614.0370 STEEL PLATE BEAM GUARD EAT EACH	614.2300 MGS GUARDRAIL 3 LF	614.2610 MGS GUARDRAIL TERMINAL EAT EACH	614.2620 MGS GUARDRAIL TERMINAL TYPE 2 EACH
PROJECT 4650-08-71 CATEGORY 0010										
1105+72	-	1106+61	RT	IH 41 NB OFF RAMP	-	-	-	37.5	1	1
1120+44	-	1121+38	RT	IH 41 NB OFF RAMP	-	-	-	37.5	1	1
1120+47	-	1121+37	LT	IH 41 NB OFF RAMP	-	-	-	37.5	1	1
1201+33	-	1207+25	RT	IH 41 NB ON RAMP	-	575.0	1	-	-	-
1126+11	-	1132+45	LT	IH 41 SB OFF RAMP	1	625.0	1	-	-	-
1127+43	-	1128+34	RT	IH 41 SB OFF RAMP	-	-	-	37.5	1	1
PROJECT TOTAL					1	1,200.0	2	150.0	4	4

* EXTEND EXISTING NB ON RAMP REQUIRES WOOD POSTS AND SB OFF RAMP REQUIRES STEEL POST

CONCRETE SIDEWALK

STATION	TO	STATION	DIR	LOCATION	602.041 CONCRETE 5-INCH ** SF
PROJECT 4650-08-71 CATEGORY 0020					
227+20	-	247+15	LT	STH 55	18550
				PROJECT TOTAL	18,550

** QUANTITY SHOWN ELSEWHERE ON PLAN

CONCRETE SIDEWALK

STATION		STATION	DIR	LOCATION	305.0110 BASE AGGREGATE DENSE 3/4-INCH ** TON	602.0405 CONCRETE SIDEWALK 4-INCH ** SF
PROJECT 4650-08-71 CATEGORY 0040						
101+05	-	101+15	LT	STH 96	1	50
101+73	-	101+83	LT	STH 96	1	50
102+37	-	102+47	RT	STH 96	1	50
102+47	-	102+57	LT	STH 96	1	50
				PROJECT TOTAL	4	200

** QUANTITIES SHOWN ELSEWHERE ON PLAN

FENCE CHAIN LINK

STATION	TO	STATION	DIR	LOCATION	616.0205 FENCE CHAIN LINK 5-FT LF
PROJECT 4650-08-71 CATEGORY 0010					
1104+76	-	1124+55	RT	IH 41 NB OFF RAMP	2100
1200+00	-	1204+37	RT	IH 41 NB ON RAMP	510
1126+00	-	1127+62	LT	IH 41 SB OFF RAMP	162
1101+48	-	1122+81	LT	IH 41 SB ON RAMP	2060
				PROJECT TOTAL	4832

DELINEATORS

STATION	TO	STATION	DIR	LOCATION	633.0100 DELINEATOR STEEL POST EACH	633.0500 DELINEATOR REFLECTORS EACH
PROJECT 4650-08-71 CATEGORY 0010						
1104+76	-	1124+55	RT	IH 41 NB OFF RAMP	20	32
1200+00	-	1204+37	RT	IH 41 NB ON RAMP	5	5
1123+79	-	1132+42	LT	IH 41 SB OFF RAMP	9	11
1101+48	-	1122+81	LT	IH 41 SB ON RAMP	21	36
				PROJECT TOTAL	55	84

CONCRETE SIDEWALK

STATION TO STATION	DIR	LOCATION	305.0110 BASE AGG DENSE 3/4-INCH * TON	405.0100 COLORING CONCRETE ** CY	602.0405 CONCRETE SIDEWALK 4-INCH *** SF	602.041 CONCRETE SIDEWALK 5-INCH **** SF	602.0415 CONCRETE SIDEWALK 6-INCH SF	SPV.0165.03 CONCRETE SIDEWALK 8-INCH SF	602.0515 CURB RAMP DETECTABLE WARNING FILED NATURAL PATINA SF
PROJECT 4650-08-71 CATEGORY 0010									
207+30 - 209+74	RT	STH 55	16	---	500	---	320	---	44
207+30 - 209+74	LT	STH 55	11	---	---	---	580	---	30
209+74 - 222+64	RT	STH 55	188	36	7,670	1,000	980	---	192
209+74 - 222+64	LT	STH 55	139	---	4,960	940	1,120	110	190
224+02 - 247+84	RT	STH 55	313	49	13,170	2,120	830	---	104
224+02 - 247+84	LT	STH 55	80	---	---	3,840	160	140	100
249+62 - 253+57	RT	STH 55	257	93	7,560	4,420	1,210	60	100
249+62 - 253+57	LT	STH 55	101	---	---	5,090	60	60	100
255+35 - 260+00	RT	STH 55	117	11	870	5,150	---	---	20
255+35 - 260+00	LT	STH 55	112	---	---	5,740	---	---	20
262+04 - 270+63	RT	STH 55	52	---	1,020	840	670	170	92
262+04 - 270+63	LT	STH 55	191	---	340	8,980	470	---	156
309+81 - 314+39	RT	STH 96 (PLANK RD)	23	---	1,170	---	---	---	12
309+81 - 314+39	LT	STH 96 (PLANK RD)	40	---	1,700	---	340	---	10
12+66 - 18+39	RT	CTH OO (HYLAND AVE)	92	24	1,970	2,330	260	170	60
12+66 - 18+39	LT	CTH OO (HYLAND AVE)	42	8	640	---	---	1,510	60
19+90 - 26+39	RT	CTH OO (HYLAND AVE)	22	---	---	870	260	---	36
19+90 - 26+39	LT	CTH OO (HYLAND AVE)	24	---	---	1,140	---	110	36
100+00 - 101+00	RT	CTH J (LAWE ST)	9	---	170	---	310	---	10
100+00 - 101+00	LT	CTH J (LAWE ST)	9	---	220	---	220	---	10
29+00 - 34+12	RT	GERTRUDE ST	57	9	1,790	830	330	---	40
29+00 - 34+12	LT	GERTRUDE ST	43	---	1,320	790	110	---	40
35+93 - 39+00	RT	MALONEY RD	47	7	570	1,540	300	---	40
35+93 - 39+00	LT	MALONEY RD	40	---	300	1,610	100	60	80
1124+25 - 1124+55	R/L	IH 41 NB OFF RAMP ISLAND	17	---	---	620	140	120	80
1200+00 - 1200+50	R/L	IH 41 NB ON RAMP ISLAND	3	---	---	---	---	130	80
1122+00 - 1122+82	R/L	IH 41 SB ON RAMP ISLAND	19	---	---	---	950	---	80
1123+30 - 1124+00	R/L	IH 41 SB OFF RAMP ISLAND	17	---	---	---	840	50	40
PROJECT TOTALS			2,081	237	45,940	47,850	10,560	2,690	1,862

* ADDITIONAL QUANTITY SHOWN IN BASE COURSE TABLE
**ADDITIONAL QUANTITY SHOWN IN CONCRETE TRUCK APRON TABLE
***ADDITIONAL QUANTITY SHOWN IN CONCRETE SIDEWALK TABLE CATEGORY 0040
****ADDITIONAL QUANTITY SHOWN IN CONCRETE SIDEWALK TABLE CATEGORY 0020

GUARDRAIL

STATION TO STATION	DIR	LOCATION	614.0115 ANCHORAGE FOR STEEL PLATE BEAM GUARD TYPE 2 EACH	614.0305 STEEL PLATE BEAM GUARD CLASS A LF *	614.0370 STEEL PLATE BEAM GUARD EAT EACH	614.2300 MGS GUARDRAIL 3 LF	614.2610 MGS GUARDRAIL TERMINAL EAT EACH	614.2620 MGS GUARDRAIL TERMINAL TYPE 2 EACH
PROJECT 4650-08-71 CATEGORY 0010								
1105+72 - 1106+61	RT	IH 41 NB OFF RAMP	-	-	-	37.5	1	1
1120+44 - 1121+38	RT	IH 41 NB OFF RAMP	-	-	-	37.5	1	1
1120+47 - 1121+37	LT	IH 41 NB OFF RAMP	-	-	-	37.5	1	1
1201+33 - 1207+25	RT	IH 41 NB ON RAMP	-	575.0	1	-	-	-
1126+11 - 1132+45	LT	IH 41 SB OFF RAMP	1	625.0	1	-	-	-
1127+43 - 1128+34	RT	IH 41 SB OFF RAMP	-	-	-	37.5	1	1
PROJECT TOTAL			1	1,200.0	2	150.0	4	4

* EXTEND EXISTING NB ON RAMP REQUIRES WOOD POSTS AND SB OFF RAMP REQUIRES STEEL POST

CONCRETE SIDEWALK

STATION TO STATION	DIR	LOCATION	602.041 CONCRETE 5-INCH ** SF
PROJECT 4650-08-71 CATEGORY 0020			
227+20 - 247+15	LT	STH 55	18550
PROJECT TOTAL			18,550

** QUANTITY SHOWN ELSEWHERE ON PLAN

CONCRETE SIDEWALK

STATION	-	STATION	DIR	LOCATION	305.0110 BASE AGGREGATE DENSE 3/4-INCH ** TON	602.0405 CONCRETE SIDEWALK 4-INCH ** SF
PROJECT 4650-08-71 CATEGORY 0040						
101+05	-	101+15	LT	STH 96	1	50
101+73	-	101+83	LT	STH 96	1	50
102+37	-	102+47	RT	STH 96	1	50
102+47	-	102+57	LT	STH 96	1	50
PROJECT TOTAL					4	200

** QUANTITIES SHOWN ELSEWHERE ON PLAN

Addendum No.01
ID 4650-08-71
Revised Sheet 246
December 4, 2017

FENCE CHAIN LINK

STATION	TO	STATION	DIR	LOCATION	616.0205 FENCE CHAIN LINK 5-FT LF
PROJECT 4650-08-71 CATEGORY 0010					
1104+76	-	1124+55	RT	IH 41 NB OFF RAMP	2,100
1200+00	-	1204+37	RT	IH 41 NB ON RAMP	290
1126+00	-	1127+62	LT	IH 41 SB OFF RAMP	0
1101+48	-	1122+81	LT	IH 41 SB ON RAMP	2,060
PROJECT TOTAL					4,450

DELINEATORS

STATION	TO	STATION	DIR	LOCATION	633.0100 DELINEATOR STEEL POST EACH	633.0500 DELINEATOR REFLECTORS EACH
PROJECT 4650-08-71 CATEGORY 0010						
1104+76	-	1124+55	RT	IH 41 NB OFF RAMP	20	32
1200+00	-	1204+37	RT	IH 41 NB ON RAMP	5	5
1123+79	-	1132+42	LT	IH 41 SB OFF RAMP	9	11
1101+48	-	1122+81	LT	IH 41 SB ON RAMP	21	36
PROJECT TOTAL					55	84

3

MOBILIZATION

STATION	TO	STATION	LOCATION	619.1000 MOBILIZATION EACH
PROJECT 4650-08-71 CATEGORY 0010				
207+45	-	270+63	PROJECT	1
			PROJECT TOTAL	1

INSULATION BOARD POLYSTYRENE

LOCATION	612.0902.S 2-INCH SY
PROJECT 4650-08-71	
CATEGORY 0010	
BADGER AVE	30
UNDISTRIBUTED	50
PROJECT TOTAL	80

UNDERDRAIN

STATION	TO	STATION	OFFSET	DIR	S.S. STR #	LOCATION	310.0110 BASE AGGREGATE OPEN GRADED TON	612.0106 PIPE UNDERDRAIN 6-INCH LF	612.0206 PIPE UNDERDRAIN UNPERFORATED 6-INCH LF	SPV.0090.17 PIPE UNDERDRAIN RAILROAD 6-INCH LF	612.0806 APRON ENDWALLS FOR UNDERDRAIN REINFORCED CONCRETE 6-INCH EA	645.0111 GEOTEXTILE FABRIC TYPE DF SCHEDULE A SY
PROJECT 4650-08-71 CATEGORY 0010												
207+67	-	-	-	R/L	-	LAWE RAILROAD CROSSING	10.0	---	---	125	---	40
219+95	-	222+20	-	R/L	-	DELANGLADE RAILROAD CROSSING	20.0	---	---	190	2	75
207+65	-	-	44.5	LT	4.2	STH 55	0.4	---	---	5	---	3
208+20	-	-	46.3	LT	5.2	STH 55	0.4	---	---	5	---	3
61+14	-	-	1.4	LT	26.2	STH 55/CTH OO R-A-B	0.7	10	---	---	---	6
61+27	-	-	1.4	LT	26.1	STH 55/CTH OO R-A-B	0.7	10	---	---	---	6
233+52	-	-	25.5	LT	45.1	STH 55	0.7	10	---	---	---	6
233+37	-	-	25.5	LT	45.2	STH 55	0.7	10	---	---	---	6
233+51	-	-	25.5	RT	45.3	STH 55	0.7	10	---	---	---	6
233+37	-	-	25.5	RT	45.4	STH 55	0.7	10	---	---	---	6
50+68	-	-	17.0	LT	48.0	BADGER RD	0.7	10	---	---	---	6
50+68	-	-	17.0	RT	48.3	BADGER RD	0.7	10	---	---	---	6
250+50	-	-	27.3	LT	80.1	STH 55	0.7	10	---	---	---	6
250+52	-	-	1.5	RT	80.2	STH 55	0.7	10	---	---	---	6
81+05	-	-	1.5	LT	90.1	STH 55/IH 41 NB R-A-B	0.7	10	---	---	---	6
81+05	-	-	1.5	LT	90.2	STH 55/IH 41 NB R-A-B	0.7	10	---	---	---	6
257+13	-	-	22.5	RT	95.1	STH 55	0.7	10	---	---	---	6
257+28	-	-	22.5	RT	95.2	STH 55	0.7	10	---	---	---	6
257+13	-	-	12.5	LT	95.3	STH 55	0.7	10	---	---	---	6
257+28	-	-	12.5	LT	95.4	STH 55	0.7	10	---	---	---	6
93+39	-	-	1.5	LT	110.1	STH 55/IH 41 SB R-A-B	0.7	10	---	---	---	6
93+24	-	-	1.5	LT	110.2	STH 55/IH 41 SB R-A-B	0.7	10	---	---	---	6
1105+00	-	-				IH-41 SB ON RAMP	---	---	10	---	1	---
1108+00	-	-				IH-41 SB ON RAMP	---	---	10	---	1	---
1124+19	-	-	1.5	RT	110.4	IH 41 SB OFF RAMP	0.7	10	---	---	---	6
1124+14	-	-	16.6	LT	110.5	IH 41 SB OFF RAMP	0.7	10	---	---	---	6
1123+59	-	-	17.2	LT	110.7	IH 41 SB OFF RAMP RT TURN LN.	0.7	10	---	---	---	6
1122+38	-	-	21.6	LT	115.2	IH 41 SB ON RAMP	0.7	10	---	---	---	6
1123+81	-	-	1.5	LT	125.1	IH 41 NB OFF RAMP RT TURN LN.	0.7	10	---	---	---	6
1124+11	-	-	16.0	RT	130.1	IH 41 NB OFF RAMP	0.7	10	---	---	---	6
1124+11	-	-	1.5	LT	130.2	IH 41 NB OFF RAMP	0.7	10	---	---	---	6
1200+34	-	-	19.1	RT	135.1	IH 41 NB ON RAMP	0.7	10	---	---	---	6
1200+36	-	-	1.5	LT	135.2	IH 41 NB ON RAMP	0.7	10	---	---	---	6
73+27	-	-	1.5	LT	145.0	STH 55/MALONEY R-A-B	0.7	10	---	---	---	6
73+12	-	-	1.5	LT	145.1	STH 55/MALONEY R-A-B	0.7	10	---	---	---	6
36+50	-	-	1.5	RT	155.0	MALONEY RD	0.7	10	---	---	---	6
36+50	-	-	1.5	LT	155.1	MALONEY RD	0.7	10	---	---	---	6
36+48	-	-	19.3	RT	155.2	MALONEY RD	0.7	10	---	---	---	6
36+50	-	-	16.5	LT	155.3	MALONEY RD	0.7	10	---	---	---	6
36+50	-	-	24.6	LT	155.4	MALONEY RD	0.7	10	---	---	---	6
36+54	-	-	40.6	LT	155.5	MALONEY RD	0.7	10	---	---	---	6
256+13	-	-	22.5	RT	95.1	STH 55 R-44-24 OUTFALL	---	---	20	---	---	---
256+13	-	-	12.5	LT	95.3	STH 55 R-44-25 OUTFALL	---	---	20	---	---	---
245+03	-	-	43.9	RT	70.2	STH 55 R-44-26 OUTFALL	---	---	10	---	---	---
						PROJECT TOTAL	57	350	70	325	4	315

RIP RAP

STR NUMBER	LOCATION				606.0200 RIPRAP MEDIUM	645.0120 GEOTEXTILE TYPE HR
	STATION	DIST.	DIR	R/L	CY	SY
CATEGORY 0010						
20	219+68	58.2	LT	STH 55 NB	2	4.0
21	222+46	53.9	LT	STH 55 NB	1.5	2.3
22	17+31	72.4	RT	CTH OO (HYLAND AVE)	1	2.0
26	224+08	107.0	LT	STH 55 NB	1.5	2.3
27	225+01	80.4	LT	STH 55 NB	2.5	4.5
28	226+35	59.5	LT	STH 55 NB	1.5	2.3
29	20+35	47.8	LT	CTH OO (HYLAND AVE)	2	3.6
31	21+72	39.2	LT	CTH OO (HYLAND AVE)	2	3.6
105	91+61	78.4	RT	STH 55/IH 41 SB R-A-B	1.5	2.7
120	262+07	88.4	LT	STH 55 NB	1.5	2.7
125	1123+81	33.3	RT	IH 41 NB OFF RAMP	1	2.0
130	1124+23	38.6	RT	IH 41 NB OFF RAMP	2	3.6
135	1200+37	34.7	RT	IH 41 NB ON RAMP	1	2.0
140	251+96	81.0	RT	STH 55 NB	1	2.0
				PROJECT TOTAL	22	39.6

LANDSCAPING ITEMS

STATION	TO	STATION	DIR	LOCATION	625.0100 TOPSOIL SY	625.0500 SALVAGED TOPSOIL SY	628.1504 SILT FENCE LF	628.0060 SILT FENCE MAINTENANCE LF	628.1905 MOBILIZATION EROSION CONTROL EA	628.1910 MOBILIZATION EMERGENCY EROSION EA	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 MIX NO. 30 LB	630.0140 SEEDING MIX NO. 40 LB	628.7570 ROCK BAGS EA	628.7504 TEMP DITCH CHECKS LF	SPV.0120.060 WATER FOR SEEDED AREA MGAL
PROJECT 4650-08-71 CATEGORY 0010																		
207+30	-	222+72	RT & LT	STH 55	5,500	-	575	575	-	-	-	5,500	4	--	95	--	--	123
224+02	-	247+91	RT & LT	STH 55	12,200	-	700	700	-	-	-	12,200	8	--	220	--	30	274
249+51	-	253+65	RT & LT	STH 55	2,400	-	300	300	-	-	-	2,400	2	--	50	--	30	54
255+24	-	260+07	RT & LT	STH 55	2,500	-	--	--	-	-	-	2,500	2	--	50	--	60	56
261+68	-	270+70	RT & LT	STH 55	6,650	-	--	--	-	-	-	6,650	4	--	120	--	60	148
309+60	-	314+14	RT & LT	STH 96	1,050	-	--	--	-	-	-	1,050	1	--	20	--	--	23
12+66		18+46	RT & LT	CTH OO	4,150	-	360	360	-	-	-	4,150	3	--	75	--	--	93
17+80		26+40	RT & LT	CTH OO	4,000	-	600	600	-	-	-	4,000	3	--	85	--	--	89
28+00	-	34+12	RT & LT	GERTURDE	3,200	-	475	475	-	-	-	3,200	4	--	125	--	--	71
35+93	-	40+56	RT & LT	MALONEY	1,350	-	520	520	-	-	-	1,350	1	--	25	--	--	29
1104+76	-	1124+55	RT & LT	IH 41 NB OFF RAMP	610	12,900	460	460	-	-	12,900	610	9	235	15	--	165	14
1200+00	-	1204+37	RT & LT	IH 41 NB ON RAMP	-	2,800	940	940	-	-	2,800	-	1	50	-	--	15	0
1123+79	-	1132+44	RT & LT	IH 41 SB OFF RAMP	1,250	4,300	985	985	-	-	4,300	1,250	4	80	25	--	45	27
1101+48	-	1122+81	RT & LT	IH 41 SB ON RAMP	-	11,200	250	250	-	-	11,200	-	7	200	-	--	225	0
				UNDISTRIBUTED	9,000	6,200	1,200	1,200	6	3	6,200	9,800	10	135	180	50	120	0
				PROJECT TOTALS	53,860	37,400	7,365	7,365	6	3	37,400	54,660	63	700	1,085	50	750	1,001

3

STORM SEWER PIPE

STRUCTURE TO	STRUCTURE FROM	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	608.0324 REIN. CONC. CLASS III 24-INCH LF	608.0327 REIN. CONC. CLASS III 27-INCH LF	608.0330 REIN. CONC. CLASS III 30-INCH LF	608.0336 REIN. CONC. CLASS III 36-INCH LF	608.0342 REIN. CONC. CLASS III 42-INCH LF	608.0348 REIN. CONC. CLASS III 48-INCH LF	608.0412 REIN. CONC. CLASS IV 12-INCH LF	608.0415 REIN. CONC. CLASS IV 15-INCH LF	608.0418 REIN. CONC. CLASS IV 18-INCH LF	608.0421 REIN. CONC. CLASS IV 21-INCH LF	608.0424 REIN. CONC. CLASS IV 24-INCH LF
CATEGORY 0010															
EXIST MH	2.0	---	---	---	---	---	198	---	---	---	---	---	---	---	---
2.0	3.0	---	---	---	---	---	96	---	---	---	---	---	---	---	---
3.0	3.1	28	---	---	---	---	---	---	---	---	---	---	---	---	---
3.0	4.0	---	---	---	---	---	56	---	---	---	---	---	---	---	---
4.0	4.1	18	---	---	---	---	---	---	---	---	---	---	---	---	---
4.1	4.2	27	---	---	---	---	---	---	---	---	---	---	---	---	---
5.0	5.1	---	15	---	---	---	---	---	---	---	---	---	---	---	---
5.0	6.0	32	---	---	---	---	---	---	---	---	---	---	---	---	---
5.0	12.0	---	---	---	---	---	110	---	---	---	---	---	---	---	---
5.1	5.2	---	45	---	---	---	---	---	---	---	---	---	---	---	---
7.0	7.2	---	---	---	---	---	---	---	---	---	63	---	---	---	---
7.0	8.0	---	---	---	---	---	---	---	---	---	---	---	---	110	---
8.0	8.1	---	---	---	---	---	---	---	---	---	30	---	---	---	---
8.0	8.2	---	---	---	---	---	---	---	---	---	---	29	---	---	---
10.0	10.1	19	---	---	---	---	---	---	---	---	---	---	---	---	---
10.0	10.2	31	---	---	---	---	---	---	---	---	---	---	---	---	---
10.0	16.5	---	---	130	---	---	---	---	---	---	---	---	---	---	---
16.5	16.0	---	---	165	---	---	---	---	---	---	---	---	---	---	---
11.0	COLLAR	64	---	---	---	---	---	---	---	---	---	---	---	---	---
11.0	11.1	8	---	---	---	---	---	---	---	---	---	---	---	---	---
11.0	11.2	44	---	---	---	---	---	---	---	---	---	---	---	---	---
12.0	7.0	---	---	---	139	---	---	---	---	---	---	---	---	---	---
12.0	10.0	---	---	---	---	---	---	---	---	---	---	---	50	---	---
12.0	11.0	---	---	---	72	---	---	---	---	---	---	---	---	---	---
15.0	15.1	38	---	---	---	---	---	---	---	---	---	---	---	---	---
15.0	17.0	---	---	265	---	---	---	---	---	---	---	---	---	---	---
15.1	15.2	32	---	---	---	---	---	---	---	---	---	---	---	---	---
16.0	15.0	---	---	268	---	---	---	---	---	---	---	---	---	---	---
16.0	16.1	11	---	---	---	---	---	---	---	---	---	---	---	---	---
16.0	16.2	26	---	---	---	---	---	---	---	---	---	---	---	---	---
16.2	16.3	27	---	---	---	---	---	---	---	---	---	---	---	---	---
16.3	16.4	33	---	---	---	---	---	---	---	---	---	---	---	---	---
17.0	17.1	14	---	---	---	---	---	---	---	---	---	---	---	---	---
17.0	17.2	23	---	---	---	---	---	---	---	---	---	---	---	---	---
20.0	20.1	---	---	---	---	32	---	---	---	---	---	---	---	---	---
20.1	20.2	---	---	---	---	49	---	---	---	---	---	---	---	---	---
20.2	20.4	---	---	---	---	29	---	---	---	---	---	---	---	---	---
20.4	20.3	---	---	---	---	40	---	---	---	---	---	---	---	---	---
21.0	21.1	---	35	---	---	---	---	---	---	---	---	---	---	---	---
21.1	21.2	---	21	---	---	---	---	---	---	---	---	---	---	---	---
21.2	21.3	---	29	---	---	---	---	---	---	---	---	---	---	---	---
21.3	21.4	---	19	---	---	---	---	---	---	---	---	---	---	---	---
22.0	22.1	52	---	---	---	---	---	---	---	---	---	---	---	---	---
22.1	22.2	8	---	---	---	---	---	---	---	---	---	---	---	---	---
	SUBTOTALS	535	164	828	211	150	460	0	0	0	93	29	50	110	0

STORM SEWER PIPE - CONTINUED

STRUCTURE TO	STRUCTURE FROM	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	608.0324 REIN. CONC. CLASS III 24-INCH LF	608.0327 REIN. CONC. CLASS III 27-INCH LF	608.0330 REIN. CONC. CLASS III 30-INCH LF	608.0336 REIN. CONC. CLASS III 36-INCH LF	608.0342 REIN. CONC. CLASS III 42-INCH LF	608.0348 REIN. CONC. CLASS III 48-INCH LF	608.0412 REIN. CONC. CLASS IV 12-INCH LF	608.0415 REIN. CONC. CLASS IV 15-INCH LF	608.0418 REIN. CONC. CLASS IV 18-INCH LF	608.0421 REIN. CONC. CLASS IV 21-INCH LF	608.0424 REIN. CONC. CLASS IV 24-INCH LF
CATEGORY 0010															
23.1	23.0	---	128	---	---	---	---	---	---	---	---	---	---	---	---
23.1	23.2	---	---	27	---	---	---	---	---	---	---	---	---	---	---
23.2	23.3	7	---	---	---	---	---	---	---	---	---	---	---	---	---
23.3	23.4	27	---	---	---	---	---	---	---	---	---	---	---	---	---
24.0	23.1	---	---	112	---	---	---	---	---	---	---	---	---	---	---
24.1	24.0	---	---	---	---	---	84	---	---	---	---	---	---	---	---
25.0	EXIST. 103	---	---	---	54	---	---	---	---	---	---	---	---	---	---
26.0	26.1	---	107	---	---	---	---	---	---	---	---	---	---	---	---
26.1	26.2	13	---	---	---	---	---	---	---	---	---	---	---	---	---
27.0	27.1	---	---	---	---	---	58	---	---	---	---	---	---	---	---
27.1	27.2	---	---	---	---	---	94	---	---	---	---	---	---	---	---
28.0	28.1	---	54	---	---	---	---	---	---	---	---	---	---	---	---
28.1	28.2	---	---	---	---	---	---	---	---	---	27	---	---	---	---
28.2	28.3	---	---	---	---	---	---	---	---	---	7	---	---	---	---
28.3	28.4	---	---	---	---	---	---	---	---	---	27	---	---	---	---
29.0	29.1	---	---	---	109	---	---	---	---	---	---	---	---	---	---
31.0	30.0	---	---	---	---	---	---	---	---	---	---	---	---	---	134
31.0	31.2	---	---	21	---	---	---	---	---	---	---	---	---	---	---
31.1	31.0	---	---	---	29	---	---	---	---	---	---	---	---	---	---
31.2	32.0	---	---	10	---	---	---	---	---	---	---	---	---	---	---
32.0	32.1	10	---	---	---	---	---	---	---	---	---	---	---	---	---
32.0	33.0	---	---	---	---	---	---	---	---	---	---	248	---	---	---
33.0	33.1	---	---	---	---	---	---	---	---	---	7	---	---	---	---
33.0	33.2	---	---	---	---	---	---	---	---	---	10	---	---	---	---
33.2	33.3	---	---	---	---	---	---	---	---	---	18	---	---	---	---
44.0	44.1	8	---	---	---	---	---	---	---	---	---	---	---	---	---
44.0	44.2	---	43	---	---	---	---	---	---	---	---	---	---	---	---
44.0	44.4	95	---	---	---	---	---	---	---	---	---	---	---	---	---
44.2	44.5	---	57	---	---	---	---	---	---	---	---	---	---	---	---
45.0	44.0	---	---	302	---	---	---	---	---	---	---	---	---	---	---
45.0	45.1	---	8	---	---	---	---	---	---	---	---	---	---	---	---
45.0	45.3	---	43	---	---	---	---	---	---	---	---	---	---	---	---
45.1	45.2	15	---	---	---	---	---	---	---	---	---	---	---	---	---
45.3	45.4	15	---	---	---	---	---	---	---	---	---	---	---	---	---
48.0	48.1	49	---	---	---	---	---	---	---	---	---	---	---	---	---
48.3	48.4	---	---	28	---	---	---	---	---	---	---	---	---	---	---
M-44-0002	45.0	---	---	---	---	---	76	---	---	---	---	---	---	---	---
M-44-0002	50.1	---	---	---	---	---	---	27	---	---	---	---	---	---	---
M-44-0003	55.1	---	51	---	---	---	---	---	---	---	---	---	---	---	---
55.1	55.2	6	---	---	---	---	---	---	---	---	---	---	---	---	---
	SUBTOTALS	245	491	500	192	0	312	27	0	0	96	248	0	0	134

3

STORM SEWER PIPE - CONTINUED

STRUCTURE TO	STRUCTURE FROM	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	608.0324 REIN. CONC. CLASS III 24-INCH LF	608.0327 REIN. CONC. CLASS III 27-INCH LF	608.0330 REIN. CONC. CLASS III 30-INCH LF	608.0336 REIN. CONC. CLASS III 36-INCH LF	608.0342 REIN. CONC. CLASS III 42-INCH LF	608.0348 REIN. CONC. CLASS III 48-INCH LF	608.0412 REIN. CONC. CLASS IV 12-INCH LF	608.0415 REIN. CONC. CLASS IV 15-INCH LF	608.0418 REIN. CONC. CLASS IV 18-INCH LF	608.0421 REIN. CONC. CLASS IV 21-INCH LF	608.0424 REIN. CONC. CLASS IV 24-INCH LF
CATEGORY 0010															
M-44-004	60.1	51	---	---	---	---	---	---	---	---	---	---	---	---	---
M-44-004	62.0	---	---	---	---	---	---	---	---	202	---	---	---	---	---
60.1	60.2	30	---	---	---	---	---	---	---	---	---	---	---	---	---
60.3	60.1	20	---	---	---	---	---	---	---	---	---	---	---	---	---
62.0	65.0	---	---	---	---	---	---	---	---	208	---	---	---	---	---
62.0	62.1	---	51	---	---	---	---	---	---	---	---	---	---	---	---
62.1	EXIST	---	8	---	---	---	---	---	---	---	---	---	---	---	---
65.0	65.1	---	27	---	---	---	---	---	---	---	---	---	---	---	---
65.0	70.0	---	---	---	---	---	---	---	89	---	---	---	---	---	---
65.1	65.2	7	---	---	---	---	---	---	---	---	---	---	---	---	---
65.2	65.3	27	---	---	---	---	---	---	---	---	---	---	---	---	---
70.0	70.1	---	---	---	---	---	30	---	---	---	---	---	---	---	---
70.0	70.2	---	83	---	---	---	---	---	---	---	---	---	---	---	---
70.0	75.0	---	---	---	---	---	---	---	360	---	---	---	---	---	---
70.1	70.3	---	---	---	---	---	20	---	---	---	---	---	---	---	---
75.0	76.0	---	---	80	---	---	---	---	---	---	---	---	---	---	---
75.0	80.0	---	---	---	---	---	---	---	177	---	---	---	---	---	---
75.0	145.0	---	---	---	---	---	---	85	---	---	---	---	---	---	---
76.0	76.1	20	---	---	---	---	---	---	---	---	---	---	---	---	---
76.0	76.3	34	---	---	---	---	---	---	---	---	---	---	---	---	---
76.1	76.2	28	---	---	---	---	---	---	---	---	---	---	---	---	---
76.3	76.4	22	---	---	---	---	---	---	---	---	---	---	---	---	---
76.4	76.5	27	---	---	---	---	---	---	---	---	---	---	---	---	---
80.0	80.1	---	18	---	---	---	---	---	---	---	---	---	---	---	---
80.0	85.0	---	---	---	---	---	---	152	---	---	---	---	---	---	---
80.1	80.2	29	---	---	---	---	---	---	---	---	---	---	---	---	---
85.0	85.1	---	---	---	---	---	---	10	---	---	---	---	---	---	---
85.0	90.0	---	---	---	---	---	---	307	---	---	---	---	---	---	---
90.0	90.1	21	---	---	---	---	---	---	---	---	---	---	---	---	---
90.0	95.0	---	---	---	---	---	---	206	---	---	---	---	---	---	---
90.1	90.2	15	---	---	---	---	---	---	---	---	---	---	---	---	---
95.0	95.1	---	16	---	---	---	---	---	---	---	---	---	---	---	---
95.0	95.3	---	18	---	---	---	---	---	---	---	---	---	---	---	---
95.0	100.0	---	---	---	322	---	---	---	---	---	---	---	---	---	---
95.1	95.2	15	---	---	---	---	---	---	---	---	---	---	---	---	---
95.3	95.4	15	---	---	---	---	---	---	---	---	---	---	---	---	---
100.0	100.1	---	---	---	99	---	---	---	---	---	---	---	---	---	---
100.0	110.0	---	---	31	---	---	---	---	---	---	---	---	---	---	---
100.1	100.2	---	---	20	---	---	---	---	---	---	---	---	---	---	---
100.1	115.1	---	---	---	65	---	---	---	---	---	---	---	---	---	---
105.0	105.1	---	---	24	---	---	---	---	---	---	---	---	---	---	---
105.1	105.2	---	---	---	---	---	---	---	---	---	---	22	---	---	---
105.2	105.3	---	---	---	---	---	---	---	---	---	---	12	---	---	---
105.3	105.4	---	---	---	---	---	---	---	---	---	32	---	---	---	---
105.4	105.5	---	---	---	---	---	---	---	---	---	76	---	---	---	---
105.5	105.6	---	---	---	---	---	---	---	---	---	46	---	---	---	---
	SUBTOTALS	361	221	155	486	0	50	760	626	410	154	34	0	0	0

STORM SEWER PIPE - CONTINUED

STRUCTURE TO	STRUCTURE FROM	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	608.0324 REIN. CONC. CLASS III 24-INCH LF	608.0327 REIN. CONC. CLASS III 27-INCH LF	608.0330 REIN. CONC. CLASS III 30-INCH LF	608.0336 REIN. CONC. CLASS III 36-INCH LF	608.0342 REIN. CONC. CLASS III 42-INCH LF	608.0348 REIN. CONC. CLASS III 48-INCH LF	608.0412 REIN. CONC. CLASS IV 12-INCH LF	608.0415 REIN. CONC. CLASS IV 15-INCH LF	608.0418 REIN. CONC. CLASS IV 18-INCH LF	608.0421 REIN. CONC. CLASS IV 21-INCH LF	608.0424 REIN. CONC. CLASS IV 24-INCH LF
CATEGORY 0010															
110.0	110.1	8	---	---	---	---	---	---	---	---	---	---	---	---	---
110.0	110.3	---	---	94	---	---	---	---	---	---	---	---	---	---	---
110.1	110.2	15	---	---	---	---	---	---	---	---	---	---	---	---	---
110.3	110.4	---	25	---	---	---	---	---	---	---	---	---	---	---	---
110.4	110.5	18	---	---	---	---	---	---	---	---	---	---	---	---	---
110.5	110.6	88	---	---	---	---	---	---	---	---	---	---	---	---	---
110.6	110.7	---	---	---	---	---	---	---	---	---	17	---	---	---	---
115.1	115.2	---	---	---	23	---	---	---	---	---	---	---	---	---	---
115.2	115.3	---	---	---	20	---	---	---	---	---	---	---	---	---	---
120.0	120.1	---	---	126	---	---	---	---	---	---	---	---	---	---	---
120.1	120.2	---	---	63	---	---	---	---	---	---	---	---	---	---	---
120.2	120.3	---	---	---	---	---	---	---	---	---	---	---	32	---	---
120.3	120.4	---	---	---	---	---	---	---	---	---	---	---	27	---	---
120.4	120.5	---	---	---	---	---	---	---	---	---	---	---	102	---	---
125.0	125.1	---	---	---	---	---	---	---	---	---	35	---	---	---	---
130.0	130.1	---	---	---	---	---	---	---	---	---	---	---	---	---	95
130.1	130.2	---	---	---	---	---	---	---	---	---	---	---	---	---	17
130.2	130.3	---	---	---	---	---	---	---	---	---	---	---	---	---	32
135.0	135.1	16	---	---	---	---	---	---	---	---	---	---	---	---	---
135.1	135.2	21	---	---	---	---	---	---	---	---	---	---	---	---	---
140.0	140.1	35	---	---	---	---	---	---	---	---	---	---	---	---	---
140.1	140.2	19	---	---	---	---	---	---	---	---	---	---	---	---	---
140.2	140.3	7	---	---	---	---	---	---	---	---	---	---	---	---	---
145.0	150.0	---	---	---	---	---	---	100	---	---	---	---	---	---	---
145.0	155.0	---	---	84	---	---	---	---	---	---	---	---	---	---	---
145.1	145.0	15	---	---	---	---	---	---	---	---	---	---	---	---	---
150.0	150.1	22	---	---	---	---	---	---	---	---	---	---	---	---	---
150.1	150.2	34	---	---	---	---	---	---	---	---	---	---	---	---	---
155.0	155.1	8	---	---	---	---	---	---	---	---	---	---	---	---	---
155.0	155.3	---	18	---	---	---	---	---	---	---	---	---	---	---	---
155.1	155.2	21	---	---	---	---	---	---	---	---	---	---	---	---	---
155.3	155.5	24	---	---	---	---	---	---	---	---	---	---	---	---	---
155.5	155.6	12	---	---	---	---	---	---	---	---	---	---	---	---	---
	SUBTOTALS	363	43	367	43	0	0	100	0	0	52	0	161	0	144
	PROJECT TOTALS	1,504	919	1,850	932	150	822	887	626	410	395	311	211	110	278

STORM SEWER CONT.

STRUCTURE TO	STRUCTURE FROM	SPV.0090.19 STORM SEWER PIPE PVC 12-INCH LF	SPV.0090.20 STORM SEWER PIPE PVC 15-INCH LF	608.3630 STORM SEWER PIPE CLASS III-B 30-INCH LF	608.2348 STORM SEWER PIPE RCHE CLASS HE-III 48X76-INCH LF	608.2358 STORM SEWER PIPE RCHE CLASS HE-III 58X91-INCH LF
CATEGORY 0010						
4.0	5.0	---	---	70	---	---
44.1	44.3	63	---	---	---	---
44.5	EX OUTFALL	---	14	---	---	---
TEE	48.3	15	---	---	---	---
TEE	48.0	19	---	---	---	---
TEE	63.0	31	---	---	---	---
M-44-0002	M-44-0003	---	---	---	201	---
M-44-0003	M-44-0004	---	---	---	371	---
M-44-0001	M-44-0002	---	---	---	---	181
	PROJECT TOTALS	128	14	70	572	181

CONCRETE COLLARS FOR PIPE

STATION	OFFSET	DIR	LOCATION	520.8000 EA
CATEGORY 0010				
100+98	15'	LT	CTH J	1
242+00	33'	RT	STH 55	1
			PROJECT TOTALS	2

STORM SEWER STRUCTURES

STR NUMBER	LOCATION				STR TYPE	522.1012	522.1015	522.1018	522.1024	522.1027	522.1030	522.1036	611.2504	SPV.0060.20	611.3230	611.3253	611.3901
						APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE							MANHOLE VARRIABLE TEE	INLETS 2x2.5-FT SPECIAL	INLETS 2x3-FT	INLETS 2.5x3-FT	INLETS MEDIAN 1 GRATE
	STATION	DIST.	DIR	R/L		12-INCH EACH	15-INCH EACH	18-INCH EACH	24-INCH EACH	27-INCH EACH	30-INCH EACH	36-INCH EACH	4-FT DIA EACH	EACH	EACH	EACH	EACH
CATEGORY 0010																	
3.1	207+47.4	23.5	RT	55 NB	INL	---	---	---	---	---	---	---	---	---	1	---	---
4.1	207+47.6	23.5	LT	55 NB	INL	---	---	---	---	---	---	---	---	---	1	---	---
4.2	207+65.1	44.5	LT	55 NB	INL	---	---	---	---	---	---	---	---	---	---	---	1
5.1	208+20.0	20.3	LT	55 NB	INL	---	---	---	---	---	---	---	---	---	1	---	---
5.2	207+83.3	46.3	LT	55 NB	INL	---	---	---	---	---	---	---	---	---	---	---	1
6.0	208+26.6	23.5	RT	55 NB	INL	---	---	---	---	---	---	---	---	---	1	---	---
8.1	312+01.0	20.5	RT	96	INL	---	---	---	---	---	---	---	---	---	1	---	---
8.2	312+01.0	28.5	LT	96	INL	---	---	---	---	---	---	---	---	---	1	---	---
10.1	210+05.4	25.3	LT	55 NB	INL	---	---	---	---	---	---	---	---	---	1	---	---
10.2	210+05.5	25.1	RT	55 NB	INL	---	---	---	---	---	---	---	---	---	1	---	---
11.1	100+36.5	22.8	LT	CTH J	INL	---	---	---	---	---	---	---	---	---	1	---	---
11.2	100+54.2	24.4	RT	CTH J	INL	---	---	---	---	---	---	---	---	---	1	---	---
15.1	21+30.0	14.5	RT	E DESNOYER	INL	---	---	---	---	---	---	---	---	---	1	---	---
15.2	21+43.0	14.5	LT	E DESNOYER	INL	---	---	---	---	---	---	---	---	---	1	---	---
16.1	213+00.0	17.5	LT	55 NB	INL	---	---	---	---	---	---	---	---	---	1	---	---
16.2	213+10.0	17.5	RT	55 NB	INL	---	---	---	---	---	---	---	---	---	1	---	---
16.3	11+41.5	15.5	LT	E OVIATT	INL	---	---	---	---	---	---	---	---	---	1	---	---
16.4	11+30.0	15.5	RT	E OVIATT	INL	---	---	---	---	---	---	---	---	---	1	---	---
17.1	218+30.3	18.2	LT	55 NB	INL	---	---	---	---	---	---	---	---	---	1	---	---
17.2	218+38.0	17.5	RT	55 NB	INL	---	---	---	---	---	---	---	---	---	1	---	---
20.0	219+69.2	47.8	LT	55 SB	AEW	---	---	---	---	1	---	---	---	---	---	---	---
20.3	219+90.5	81.7	RT	55 NB	AEW	---	---	---	---	1	---	---	---	---	---	---	---
21.0	222+46.2	53.9	LT	55 SB	AEW	---	1	---	---	---	---	---	---	---	---	---	---
21.1	222+45.8	19.1	LT	55 SB	INL	---	---	---	---	---	---	---	---	---	1	---	---
21.2	222+48.5	1.5	RT	55 SB	INL	---	---	---	---	---	---	---	---	---	1	---	---
21.3	222+36.0	1.5	LT	55 NB	INL	---	---	---	---	---	---	---	---	---	1	---	---
21.4	222+36.0	17.8	RT	55 NB	INL	---	---	---	---	---	---	---	---	---	---	1	---
22.0	17+30.7	72.4	RT	OO EB	AEW	1	---	---	---	---	---	---	---	---	---	---	---
22.1	17+45.1	22.6	RT	OO EB	INL	---	---	---	---	---	---	---	---	---	---	1	---
22.2	17+47.0	15.3	RT	OO EB	INL	---	---	---	---	---	---	---	---	---	---	1	---
23.0	16+68.1	66.5	RT	OO EB	AEW	---	1	---	---	---	---	---	---	---	---	---	---
23.2	15+52.4	1.5	LT	OO EB	INL	---	---	---	---	---	---	---	---	---	---	---	---
23.3	15+52.5	1.5	RT	OO WB	INL	---	---	---	---	---	---	---	---	---	1	---	---
23.4	15+50.0	25.5	LT	OO WB	INL	---	---	---	---	---	---	---	---	---	1	---	---
24.1	14+38.1	48.5	LT	OO WB	INL	---	---	---	---	---	---	---	---	---	---	---	1
25.0	15+95.7	77.6	LT	OO EB	AEW	---	---	---	1	---	---	---	---	---	---	---	---
					SUBTOTALS	1	2	0	1	2	0	0	0	0	23	3	3

STORM SEWER STRUCTURES - CONT

STR NUMBER	LOCATION				STR TYPE	522.1012 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 12-INCH EACH	522.1015 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 15-INCH EACH	522.1018 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 18-INCH EACH	522.1024 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 24-INCH EACH	522.1027 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 27-INCH EACH	522.1030 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 30-INCH EACH	522.1036 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 36-INCH EACH	611.2504 MANHOLE VARRIABLE TEE 4-FT DIA EACH	SPV.0060.20 INLETS 2x2.5-FT SPECIAL EACH	611.3230 INLETS 2x3-FT EACH	611.3253 INLETS 2.5x3-FT EACH	611.3901 INLETS MEDIAN 1 GRATE EACH
	STATION	DIST.	DIR	R/L													
CATEGORY 0010																	
26.0	224+07.5	107.0	LT	55 SB	AEW	---	1	---	---	---	---	---	---	---	---	---	---
26.1	61+27.4	1.4	LT	OO RA	INL	---	---	---	---	---	---	---	---	1	---	---	---
26.2	61+14.2	1.4	LT	OO RA	INL	---	---	---	---	---	---	---	---	1	---	---	---
27.0	225+01.5	80.4	LT	55 SB	AEW	---	---	---	---	---	1	---	---	---	---	---	---
27.2	224+46.8	53.1	RT	55 NB	AEW	---	---	---	---	---	1	---	---	---	---	---	---
28.0	226+34.7	59.5	LT	55 SB	AEW	---	1	---	---	---	---	---	---	---	---	---	---
28.1	226+75.0	25.4	LT	55 SB	INL	---	---	---	---	---	---	---	---	---	1	---	---
28.2	226+74.8	1.5	RT	55 SB	INL	---	---	---	---	---	---	---	---	---	1	---	---
28.3	226+73.6	1.5	LT	55 NB	INL	---	---	---	---	---	---	---	---	---	1	---	---
28.4	226+73.0	25.5	RT	55 NB	INL	---	---	---	---	---	---	---	---	---	1	---	---
29.0	20+35.0	47.8	LT	OO WB	AEW	---	---	---	1	---	---	---	---	---	---	---	---
29.1	20+54.3	51.7	RT	OO EB	AEW	---	---	---	1	---	---	---	---	---	---	---	---
30.0	23+21.7	38.0	LT	OO WB	AEW	---	---	---	1	---	---	---	---	---	---	---	---
31.1	21+72.1	39.2	LT	OO WB	AEW	---	---	---	1	---	---	---	---	---	---	---	---
31.2	21+99.9	1.5	RT	OO WB	INL	---	---	---	---	---	---	---	---	---	1	---	---
32.1	22+04.7	1.5	LT	OO EB	INL	---	---	---	---	---	---	---	---	---	1	---	---
33.1	24+52.2	1.5	LT	OO EB	INL	---	---	---	---	---	---	---	---	---	1	---	---
33.2	24+55.5	1.5	RT	OO WB	INL	---	---	---	---	---	---	---	---	---	1	---	---
33.3	24+56.0	16.5	LT	OO WB	INL	---	---	---	---	---	---	---	---	---	1	---	---
44.1	230+50.1	25.6	LT	55 NB	INL	---	---	---	---	---	---	---	---	---	1	---	---
44.2	230+50.0	25.5	RT	55 NB	INL	---	---	---	---	---	---	---	---	---	1	---	---
44.4	229+60.7	51.4	LT	55 NB	INL	---	---	---	---	---	---	---	---	---	---	---	1
44.5	229+93.0	25.5	RT	55 NB	INL	---	---	---	---	---	---	---	---	---	1	---	---
45.1	233+52.0	25.5	LT	55 NB	INL	---	---	---	---	---	---	---	---	---	1	---	---
45.2	233+37.0	25.5	LT	55 NB	INL	---	---	---	---	---	---	---	---	---	1	---	---
45.3	233+52.0	25.5	RT	55 NB	INL	---	---	---	---	---	---	---	---	---	1	---	---
45.4	233+37.0	25.5	RT	55 NB	INL	---	---	---	---	---	---	---	---	---	1	---	---
48.0	50+67.5	17.0	LT	BADGER	INL	---	---	---	---	---	---	---	---	---	1	---	---
48.1	234+75.4	27.3	RT	55 NB	INL	---	---	---	---	---	---	---	---	---	1	---	---
48.3	50+67.5	17.0	RT	BADGER	INL	---	---	---	---	---	---	---	---	---	1	---	---
48.4	50+50.0	38.7	RT	BADGER	INL	---	---	---	---	---	---	---	---	---	---	---	1
49.0	51+54.9	1.7	RT	BADGER	RECT	---	---	---	---	---	---	---	---	---	---	---	---
50.0	234+28.0	25.5	LT	55 NB	RECT	---	---	---	---	---	---	---	---	---	---	---	---
50.1	234+33.9	51.6	LT	55 NB	AEW	---	---	---	---	---	---	1	---	---	---	---	---
55.0	236+29.0	25.5	LT	55 NB	RECT	---	---	---	---	---	---	---	---	---	---	---	---
55.1	236+29.0	25.5	RT	55 NB	INL	---	---	---	---	---	---	---	---	---	1	---	---
					SUBTOTALS	0	2	0	4	0	2	1	0	2	20	0	2

STORM SEWER STRUCTURES - CONT

STR NUMBER	LOCATION				STR TYPE	522.1012	522.1015	522.1018	522.1024	522.1027	522.1030	522.1036	611.2504	SPV.0060.20	611.3230	611.3253	611.3901
						APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE							MANHOLE VARRIABLE TEE 4-FT DIA	INLETS 2x2.5-FT SPECIAL	INLETS 2x3-FT	INLETS 2.5x3-FT	INLETS MEDIAN 1 GRATE
	STATION	DIST.	DIR	R/L		12-INCH EACH	15-INCH EACH	18-INCH EACH	24-INCH EACH	27-INCH EACH	30-INCH EACH	36-INCH EACH	EACH	EACH	EACH	EACH	EACH
CATEGORY 0010																	
60.0	240+00.0	25.5	LT	55 NB	RECT	---	---	---	---	---	---	---	---	---	---	---	---
60.1	240+00.0	25.5	RT	55 NB	INL	---	---	---	---	---	---	---	---	---	1	---	---
60.2	239+86.0	51.8	RT	55 NB	INL	---	---	---	---	---	---	---	---	---	---	---	1
60.3	239+80.0	25.5	RT	56 NB	INL	---	---	---	---	---	---	---	---	---	1	---	---
60.4	239+80.0	25.5	LT	57 NB	MH	---	---	---	---	---	---	---	1	---	---	---	---
63.0	241+10.0	56.8	LT	55 NB	INL	---	---	---	---	---	---	---	---	---	---	---	1
65.1	244+10.0	1.8	RT	55 SB	INL	---	---	---	---	---	---	---	---	---	---	1	---
65.2	244+09.9	1.8	LT	55 NB	INL	---	---	---	---	---	---	---	---	---	---	1	---
65.3	244+10.0	25.5	RT	55 NB	INL	---	---	---	---	---	---	---	---	---	1	---	---
70.2	245+03.0	43.9	RT	55 NB	INL	---	---	---	---	---	---	---	---	---	---	---	1
76.1	34+02.0	18.1	RT	MALONEY EB	INL	---	---	---	---	---	---	---	---	---	1	---	---
76.2	33+70.0	17.0	RT	MALONEY EB	INL	---	---	---	---	---	---	---	---	---	1	---	---
76.3	34+00.3	1.5	RT	MALONEY WB	INL	---	---	---	---	---	---	---	---	---	1	---	---
76.4	34+00.0	20.5	LT	MALONEY WB	INL	---	---	---	---	---	---	---	---	---	1	---	---
76.5	33+72.9	17.6	LT	MALONEY WB	INL	---	---	---	---	---	---	---	---	---	1	---	---
80.1	250+50.2	27.3	LT	55 SB	INL	---	---	---	---	---	---	---	---	---	1	---	---
80.2	250+51.8	1.5	RT	55 SB	INL	---	---	---	---	---	---	---	---	---	1	---	---
85.1	252+02.4	54.2	LT	55 SB	AEW	---	---	---	---	---	---	1	---	---	---	---	---
90.1	81+05.2	1.5	LT	NB RAMP RA	INL	---	---	---	---	---	---	---	---	1	---	---	---
90.2	81+20.2	1.5	LT	NB RAMP RA	INL	---	---	---	---	---	---	---	---	1	---	---	---
95.1	257+13.0	22.5	RT	55 NB	INL	---	---	---	---	---	---	---	---	---	1	---	---
95.2	257+28.0	22.5	RT	55 NB	INL	---	---	---	---	---	---	---	---	---	1	---	---
95.3	257+13.0	12.5	LT	55 NB	INL	---	---	---	---	---	---	---	---	---	1	---	---
95.4	257+28.0	12.5	LT	55 NB	INL	---	---	---	---	---	---	---	---	---	1	---	---
100.2	1122+05.7	55.7	RT	SB ON RAMP	INL	---	---	---	---	---	---	---	---	---	---	---	1
105.0	91+60.9	78.4	RT	SB RAMP RA	AEW	---	---	1	---	---	---	---	---	---	---	---	---
105.1	91+59.5	54.9	RT	SB RAMP RA	INL	---	---	---	---	---	---	---	---	---	1	---	---
105.2	91+55.6	34.0	RT	SB RAMP RA	INL	---	---	---	---	---	---	---	---	---	---	1	---
105.3	91+48.0	29.1	RT	SB RAMP RA	INL	---	---	---	---	---	---	---	---	---	---	1	---
105.4	91+25.0	19.8	RT	SB RAMP RA	INL	---	---	---	---	---	---	---	---	---	---	1	---
105.5	261+86.24	9.3	LT	55 NB	INL	---	---	---	---	---	---	---	---	---	---	1	---
105.6	262+29.6	18.3	RT	55 NB	INL	---	---	---	---	---	---	---	---	---	---	1	---
110.1	93+38.6	1.5	LT	SB RAMP RA	INL	---	---	---	---	---	---	---	---	1	---	---	---
110.2	93+23.6	1.5	LT	SB RAMP RA	INL	---	---	---	---	---	---	---	---	1	---	---	---
110.3	1124+19.4	25.6	RT	SB OFF RAMP	INL	---	---	---	---	---	---	---	---	---	---	---	1
110.4	1124+14.0	1.5	RT	SB OFF RAMP	INL	---	---	---	---	---	---	---	---	---	1	---	---
110.5	1124+14.3	16.6	LT	SB OFF RAMP	INL	---	---	---	---	---	---	---	---	---	1	---	---
110.6	1123+59.0	1.8	RT	SB OFF RAMP LT	INL	---	---	---	---	---	---	---	---	---	---	1	---
110.7	1123+58.9	17.5	LT	SB OFF RAMP LT	INL	---	---	---	---	---	---	---	---	---	---	1	---
					SUBTOTALS	0	0	1	0	0	0	1	1	4	17	9	5

STORM SEWER STRUCTURES - CONT

STR NUMBER	LOCATION				STR TYPE	522.1012 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 12-INCH EACH	522.1015 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 15-INCH EACH	522.1018 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 18-INCH EACH	522.1024 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 24-INCH EACH	522.1027 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 27-INCH EACH	522.1030 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 30-INCH EACH	522.1036 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 36-INCH EACH	611.2504 MANHOLE VARRIABLE TEE 4-FT DIA EACH	SPV.0060.20 INLETS 2x2.5-FT SPECIAL EACH	611.3230 INLETS 2x3-FT EACH	611.3253 INLETS 2.5x3-FT EACH	611.3901 INLETS MEDIAN 1 GRATE EACH
	STATION	DIST.	DIR	R/L													
CATEGORY 0010																	
115.1	1122+38.0	1.8	RT	SB ON RAMP	INL	---	---	---	---	---	---	---	---	---	---	1	---
115.2	1122+38.0	21.6	LT	SB ON RAMP	INL	---	---	---	---	---	---	---	---	---	1	---	---
115.3	1122+29.6	39.3	LT	SB ON RAMP	AEW	---	---	---	1	---	---	---	---	---	---	---	---
120.0	262+07.5	88.4	LT	55 SB	AEW	---	---	1	---	---	---	---	---	---	---	---	---
120.1	263+85.0	75.0	LT	55 SB	MH	---	---	---	---	---	---	---	---	---	---	---	---
120.2	264+29.9	30.5	LT	55 SB	MH	---	---	---	---	---	---	---	---	---	---	---	---
120.3	264+30.5	1.5	RT	55 SB	INL	---	---	---	---	---	---	---	---	---	1	---	---
120.4	264+50.0	1.5	LT	55 NB	MH	---	---	---	---	---	---	---	---	---	---	---	---
120.5	265+45.3	37.6	RT	55 NB	AEW	---	---	1	---	---	---	---	---	---	---	---	---
125.0	1123+81.5	33.3	RT	NB OFF RAMP RT	AEW	1	---	---	---	---	---	---	---	---	---	---	---
125.1	1123+81.5	1.8	LT	NB OFF RAMP RT	INL	---	---	---	---	---	---	---	---	---	---	1	---
130.0	1124+23.0	38.6	RT	NB OFF RAMP RT	AEW	---	---	---	1	---	---	---	---	---	---	---	---
130.1	1124+11.2	16.0	RT	NB OFF RAMP	INL	---	---	---	---	---	---	---	---	---	1	---	---
130.2	1124+11.2	1.5	LT	NB OFF RAMP	INL	---	---	---	---	---	---	---	---	---	1	---	---
130.3	1124+11.1	25.4	LT	NB OFF RAMP	AEW	---	---	---	1	---	---	---	---	---	---	---	---
135.0	1200+37.4	34.7	RT	NB ON RAMP	AEW	1	---	---	---	---	---	---	---	---	---	---	---
135.1	1200+34.3	19.4	RT	NB ON RAMP	INL	---	---	---	---	---	---	---	---	---	---	1	---
135.2	1200+36.2	1.8	LT	NB ON RAMP	INL	---	---	---	---	---	---	---	---	---	---	1	---
140.0	251+96.5	81.0	RT	55 NB	AEW	1	---	---	---	---	---	---	---	---	---	---	---
140.1	252+09.9	49.5	RT	55 NB	INL	---	---	---	---	---	---	---	---	---	1	---	---
140.2	252+17.4	32.2	RT	55 NB	INL	---	---	---	---	---	---	---	---	---	1	---	---
140.3	252+20.0	25.5	RT	55 NB	INL	---	---	---	---	---	---	---	---	---	1	---	---
145.0	73+27.0	1.5	LT	MALONEY RA	MH	---	---	---	---	---	---	---	---	---	---	---	---
145.1	73+11.5	1.5	LT	MALONEY RA	INL	---	---	---	---	---	---	---	---	1	---	---	---
150.0	249+74.9	47.2	RT	55 NB	MH	---	---	---	---	---	---	---	---	---	---	---	---
150.1	249+83.1	26.9	RT	55 NB	INL	---	---	---	---	---	---	---	---	---	1	---	---
150.2	249+65.0	1.5	LT	55 NB	INL	---	---	---	---	---	---	---	---	---	1	---	---
155.0	36+50.0	1.5	RT	MALONEY WB	MH	---	---	---	---	---	---	---	---	---	---	---	---
155.1	36+50.0	1.5	LT	MALONEY EB	INL	---	---	---	---	---	---	---	---	---	1	---	---
155.2	36+48.0	19.3	RT	MALONEY EB	INL	---	---	---	---	---	---	---	---	---	1	---	---
155.3	36+49.7	16.5	LT	MALONEY WB	INL	---	---	---	---	---	---	---	---	---	1	---	---
155.5	36+54.1	40.6	LT	MALONEY WB	INL	---	---	---	---	---	---	---	---	---	1	---	---
155.6	36+70.7	39.1	LT	MALONEY WB	INL	---	---	---	---	---	---	---	---	---	1	---	---
					SUBTOTALS	3	0	2	3	0	0	0	0	1	14	4	0
					PROJECT TOTALS	4	4	3	8	2	2	2	1	7	74	16	10

3

STORM SEWER STRUCTURES

STR NUMBER	LOCATION				STR TYPE	611.0612 INLET COVERS TYPE C	611.0615 INLET COVERS TYPE F	611.0624 INLET COVERS TYPE H	611.0639 INLET COVERS TYPE H-S	611.0642 INLET COVERS TYPE MS	611.0652 INLET COVERS TYPE T	611.0530 MANHOLE COVERS TYPE J
	STATION	DIST.	DIR	R/L		EACH	EACH	EACH	EACH	EACH	EACH	EACH
CATEGORY 0010												
2.0	207+46.3	145.2	RT	55 NB	MH	---	---	---	---	---	---	1
3.1	207+47.4	23.5	RT	55 NB	INL	---	---	1	---	---	---	---
3.0	207+37.0	49.7	RT	55 NB	MH	---	---	---	---	---	---	1
4.0	207+47.0	6.0	LT	55 NB	MH	---	---	---	---	---	---	1
4.1	207+47.6	23.5	LT	55 NB	INL	---	---	1	---	---	---	---
4.2	207+65.1	44.5	LT	55 NB	INL	---	---	---	---	1	---	---
5.0	208+15.0	6.0	LT	55 NB	MH	---	---	---	---	---	---	1
5.1	208+20.0	20.3	LT	55 NB	INL	---	---	1	---	---	---	---
5.2	207+83.3	46.3	LT	55 NB	INL	---	---	---	---	1	---	---
6.0	208+26.6	23.5	RT	55 NB	MH	---	---	1	---	---	---	---
7.0	310+83.0	25.5	RT	96	MH	---	---	---	---	---	---	1
7.2	310+84.8	37.2	LT	96	MH	---	---	---	---	---	---	1
8.0	311+85.0	4.0	LT	96	MH	---	---	---	---	---	---	1
8.1	312+01.0	20.5	RT	96	INL	---	---	1	---	---	---	---
8.2	312+01.0	28.5	LT	96	INL	---	---	1	---	---	---	---
10.0	210+05.0	6.0	LT	55 NB	MH	---	---	---	---	---	---	1
10.1	210+05.4	25.3	LT	55 NB	INL	---	---	1	---	---	---	---
10.2	210+05.5	25.1	RT	55 NB	INL	---	---	1	---	---	---	---
11.0	100+34.0	15.2	LT	CTH J	MH	---	---	---	---	---	---	1
11.1	100+36.5	22.8	LT	CTH J	INL	---	---	1	---	---	---	---
11.2	100+54.2	24.4	RT	CTH J	INL	---	---	1	---	---	---	---
12.0	209+25.0	14.0	LT	55 NB	MH	---	---	---	---	---	---	1
15.0	215+67.8	5.1	LT	55 NB	MH	---	---	---	---	---	---	1
15.1	21+30.0	14.5	RT	E DESNOYER	INL	---	---	1	---	---	---	---
15.2	21+43.0	14.5	LT	E DESNOYER	INL	---	---	1	---	---	---	---
16.0	213+00.0	6.0	LT	55 NB	MH	---	---	---	---	---	---	1
16.1	213+00.0	17.5	LT	55 NB	INL	---	---	1	---	---	---	---
16.2	213+10.0	17.5	RT	55 NB	INL	---	---	1	---	---	---	---
16.3	11+41.5	15.5	LT	E OVIATT	INL	---	---	1	---	---	---	---
16.4	11+30.0	15.5	RT	E OVIATT	INL	---	---	1	---	---	---	---
16.5	211+35.0	5.6	LT	55 NB	MH	---	---	---	---	---	---	1
17.0	218+33.0	5.0	LT	55 NB	MH	---	---	---	---	---	---	1
17.1	218+30.3	18.2	LT	55 NB	INL	---	---	1	---	---	---	---
17.2	218+38.0	17.5	RT	55 NB	INL	---	---	1	---	---	---	---
20.1	219+60.0	17.5	LT	55 SB	MH	---	---	1	---	---	---	---
20.2	219+81.0	16.7	RT	55 NB	MH	---	---	1	---	---	---	---
21.1	222+45.8	19.1	LT	55 SB	INL	---	---	1	---	---	---	---
21.2	222+48.5	1.5	RT	55 SB	INL	---	---	1	---	---	---	---
21.3	222+36.0	1.5	LT	55 NB	INL	---	---	1	---	---	---	---
21.4	222+36.0	17.8	RT	55 NB	INL	---	1	---	---	---	---	---
22.1	17+45.1	22.6	RT	OO EB	INL	---	1	---	---	---	---	---
22.2	17+47.0	15.3	RT	OO EB	INL	---	1	---	---	---	---	---
					SUBTOTALS	0	3	23	0	2	0	14

3

STORM SEWER STRUCTURES CONT.

STR NUMBER	LOCATION				STR TYPE	611.0612 INLET COVERS TYPE C EACH	611.0615 INLET COVERS TYPE F 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	611.0530 MANHOLE COVERS TYPE J EACH
	STATION	DIST.	DIR	R/L								
CATEGORY 0010												
23.1	15+53.0	25.5	RT	OO EB	MH	---	---	1	---	---	---	---
23.2	15+52.4	1.5	LT	OO EB	INL	---	---	1	---	---	---	---
23.3	15+52.5	1.5	RT	OO WB	INL	---	---	1	---	---	---	---
23.4	15+50.0	25.5	LT	OO WB	INL	---	---	1	---	---	---	---
24.0	14+40.6	32.0	RT	OO EB	MH	---	---	---	---	---	---	1
24.1	14+38.1	48.5	LT	OO WB	INL	---	---	---	---	1	---	---
26.1	61+27.4	1.4	LT	OO RA	INL	---	---	---	---	---	1	---
26.2	61+14.2	1.4	LT	OO RA	INL	---	---	---	---	---	1	---
27.1	224+87.4	23.7	LT	55 SB	MH	---	1	---	---	---	---	---
28.1	226+75.0	25.4	LT	55 SB	INL	---	---	1	---	---	---	---
28.2	226+74.8	1.5	RT	55 SB	INL	---	---	1	---	---	---	---
28.3	226+73.6	1.5	LT	55 NB	INL	---	---	1	---	---	---	---
28.4	226+73.0	25.5	RT	55 NB	INL	---	---	1	---	---	---	---
31.0	21+93.8	39.7	LT	OO EB	MH	---	---	1	---	---	---	---
31.2	21+99.9	1.5	RT	OO WB	INL	---	---	1*	---	---	---	---
32.0	22+04.6	11.7	LT	OO EB	MH	---	---	---	---	---	---	1
32.1	22+04.7	1.5	LT	OO EB	INL	---	---	1*	---	---	---	---
33.0	24+54.3	8.0	LT	OO EB	MH	---	---	---	---	---	---	1
33.1	24+52.2	1.5	LT	OO EB	INL	---	---	1	---	---	---	---
33.2	24+55.5	1.5	RT	OO WB	INL	---	---	1	---	---	---	---
33.3	24+56.0	16.5	LT	OO WB	INL	---	---	1	---	---	---	---
44.0	230+50.0	18.0	LT	55 NB	MH	---	---	---	---	---	---	1
44.1	230+50.1	25.6	LT	55 NB	INL	---	---	1	---	---	---	---
44.2	230+50.0	25.5	RT	55 NB	INL	---	---	1	---	---	---	---
44.3	230+75.1	83.5	LT	55 NB	MH	---	---	---	---	---	---	1
44.4	229+60.7	51.4	LT	55 NB	INL	---	---	---	---	1	---	---
44.5	229+93.0	25.5	RT	55 NB	INL	---	---	1*	---	---	---	---
45.0	233+52.0	18.0	LT	55 NB	MH	---	---	---	---	---	---	1
45.1	233+52.0	25.5	LT	55 NB	INL	---	---	---	1	---	---	---
45.2	233+37.0	25.5	LT	55 NB	INL	---	---	1	---	---	---	---
45.3	233+52.0	25.5	RT	55 NB	INL	---	---	---	1	---	---	---
45.4	233+37.0	25.5	RT	55 NB	INL	---	---	1	---	---	---	---
48.0	50+67.5	17.0	LT	BADGER	INL	---	---	---	1	---	---	---
48.1	234+75.4	27.3	RT	55 NB	INL	---	---	1	---	---	---	---
48.3	50+67.5	17.0	RT	BADGER	INL	---	---	---	1	---	---	---
48.4	50+50.0	38.7	RT	BADGER	INL	---	---	---	---	1	---	---
M-44-1	51+54.9	1.7	RT	BADGER	RECT	---	---	---	---	---	---	1
M-44-2	234+28.0	25.5	LT	55 NB	RECT	---	---	1	---	---	---	---
					SUBTOTALS	0	1	21	4	3	2	7

3

STORM SEWER STRUCTURES CONT.

STR NUMBER	LOCATION				STR TYPE	611.0612 INLET COVERS TYPE C	611.0615 INLET COVERS TYPE F	611.0624 INLET COVERS TYPE H	611.0639 INLET COVERS TYPE H-S	611.0642 INLET COVERS TYPE MS	611.0652 INLET COVERS TYPE T	611.0530 MANHOLE COVERS TYPE J
	STATION	DIST.	DIR	R/L		EACH	EACH	EACH	EACH	EACH	EACH	EACH
CATEGORY 0010												
M-44-3	236+29.0	25.5	LT	55 NB	RECT	---	---	1	---	---	---	---
55.1	236+29.0	25.5	RT	55 NB	INL	---	---	1	---	---	---	---
55.2	236+30.2	32.6	RT	55 NB	MH	---	---	---	---	---	---	1
M-44-4	240+00.0	25.5	LT	55 NB	RECT	---	---	1	---	---	---	---
60.1	240+00.0	25.5	RT	55 NB	INL	---	---	1	---	---	---	---
60.2	239+86.0	51.8	RT	55 NB	INL	---	---	---	---	1	---	---
60.3	239+80.0	25.5	RT	56 NB	INL	---	---	1	---	---	---	---
60.4	239+80.0	25.5	LT	57 NB	MH	---	---	1	---	---	---	---
62.0	242+02.0	25.5	LT	55 NB	MH	---	---	---	---	---	---	1
62.1	242+00.8	32.5	RT	55 NB	MH	---	---	1	---	---	---	---
63.0	241+10.0	56.8	LT	55 NB	INL	---	---	---	---	1	---	---
65.0	244+10.0	25.5	LT	55 SB	MH	---	---	---	---	---	---	1
65.1	244+10.0	1.8	RT	55 SB	INL	---	1	---	---	---	---	---
65.2	244+09.9	1.8	LT	55 NB	INL	---	1	---	---	---	---	---
65.3	244+10.0	25.5	RT	55 NB	INL	---	---	1	---	---	---	---
70.0	245+00.0	23.5	LT	55 SB	MH	---	---	---	---	---	---	1
70.1	245+00.0	53.5	LT	55 SB	INL	1	---	---	---	---	---	---
70.2	245+02.7	43.4	RT	55 NB	INL	---	---	---	---	1	---	---
70.3	245+24.4	55.4	LT	55 SB	MH	---	---	---	---	---	---	1
75.0	71+31.1	42.9	LT	MALONEY RA	MH	---	---	---	---	---	---	1
76.0	34+02.5	1.5	LT	MALONEY EB	MH	---	---	1	---	---	---	---
76.1	34+02.0	18.1	RT	MALONEY EB	INL	---	---	1	---	---	---	---
76.2	33+70.0	17.0	RT	MALONEY EB	INL	---	---	1	---	---	---	---
76.3	34+00.3	1.5	RT	MALONEY WB	INL	---	---	1	---	---	---	---
76.4	34+00.0	20.5	LT	MALONEY WB	INL	---	---	1	---	---	---	---
76.5	33+72.9	17.6	LT	MALONEY WB	INL	---	---	1	---	---	---	---
80.0	250+51.9	45.0	LT	55 SB	MH	---	---	---	---	---	---	1
80.1	250+50.2	27.3	LT	55 SB	INL	---	---	---	1	---	---	---
80.2	250+51.8	1.5	RT	55 SB	INL	---	---	---	1	---	---	---
85.0	252+02.5	44.1	LT	55 SB	MH	---	---	---	---	---	---	1
90.0	80+83.6	10.0	LT	NB RAMP RA	MH	---	---	---	---	---	---	1
90.1	81+05.2	1.5	LT	NB RAMP RA	INL	---	---	---	---	---	1	---
90.2	81+20.2	1.5	LT	NB RAMP RA	INL	---	---	---	---	---	1	---
95.0	257+13.0	6.0	RT	55 NB	MH	---	---	---	---	---	---	1
95.1	257+13.0	22.5	RT	55 NB	INL	---	---	---	1	---	---	---
95.2	257+28.0	22.5	RT	55 NB	INL	---	---	1	---	---	---	---
95.3	257+13.0	12.5	LT	55 NB	INL	---	---	---	1	---	---	---
95.4	257+28.0	12.5	LT	55 NB	INL	---	---	1	---	---	---	---
100.0	93+02.5	12.6	LT	SB RAMP RA	MH	---	---	---	---	---	---	1
100.1	1122+23.0	65.1	RT	SB ON RAMP	MH	---	---	---	---	---	---	1
100.2	1122+05.7	55.7	RT	SB ON RAMP	INL	---	---	---	---	1	---	---
					SUBTOTALS	1	2	16	4	4	2	12

RECONSTRUCT MANHOLE

LOCATION	611.0420 RECONSTRUCT MANHOLE EACH	NOTE
PROJECT 4650-08-71 CATEGORY 0010		
STH 55/GERTRUDE ST. INTERSECTION	1	STAGE 1, -3 FT
PROJECT TOTAL	1	

ADJUSTING COVERS

LOCATION	611.8110 ADJUSTING MANHOLE COVERS EACH	611.8115 ADJUSTING INLET COVERS EACH	NOTE
PROJECT 4650-08-71 CATEGORY 0010			
237+75.8, 37.7' RT STH 55 NB	---	1	INL-B
17+06, 34.5' LT CTH OO WB	1	---	SS FM WASHOUT MH
PROJECT TOTAL	1	1	

STORM SEWER STRUCTURES CONT.

STR NUMBER	LOCATION STATION	DIST.	DIR	R/L	STR TYPE	611.0612 INLET COVERS TYPE C EACH	611.0615 INLET COVERS TYPE F 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	611.0530 MANHOLE COVERS TYPE J EACH
CATEGORY 0010												
105.1	91+59.5	54.9	RT	SB RAMP RA	INL	---	---	1	---	---	---	---
105.2	91+55.6	34.0	RT	SB RAMP RA	INL	---	1	---	---	---	---	---
105.3	91+48.0	29.1	RT	SB RAMP RA	INL	---	1	---	---	---	---	---
105.4	91+25.0	19.8	RT	SB RAMP RA	INL	---	1	---	---	---	---	---
105.5	261+86.24	9.3	LT	55 NB	INL	---	1	---	---	---	---	---
105.6	262+29.6	18.3	RT	55 NB	INL	---	1	---	---	---	---	---
110.0	93+40.1	9.6	LT	SB RAMP RA	MH	---	---	---	---	---	---	1
110.1	93+38.6	1.5	LT	SB RAMP RA	INL	---	---	---	---	---	1	---
110.2	93+23.6	1.5	LT	SB RAMP RA	INL	---	---	---	---	---	1	---
110.3	1124+19.4	25.6	RT	SB OFF RAMP	INL	---	---	---	---	1	---	---
110.4	1124+14.0	1.5	RT	SB OFF RAMP	INL	---	---	---	1	---	---	---
110.5	1124+14.3	16.6	LT	SB OFF RAMP	INL	---	---	---	1	---	---	---
110.6	1123+59.0	1.8	RT	SB OFF RAMP LT	INL	---	1	---	---	---	---	---
110.7	1123+58.9	17.5	LT	SB OFF RAMP LT	INL	---	1	---	---	---	---	---
115.1	1122+38.0	1.8	RT	SB ON RAMP	INL	---	1	---	---	---	---	---
115.2	1122+38.0	21.6	LT	SB ON RAMP	INL	---	---	---	1	---	---	---
120.1	263+85.0	75.0	LT	55 SB	MH	---	---	---	---	---	---	1
120.2	264+29.9	30.5	LT	55 SB	MH	---	---	1	---	---	---	---
120.3	264+30.5	1.5	RT	55 SB	INL	---	---	1	---	---	---	---
120.4	264+50.0	1.5	LT	55 NB	MH	---	---	1	---	---	---	---
125.1	1123+81.5	1.8	LT	NB OFF RAMP RT	INL	---	1	---	---	---	---	---
130.1	1124+11.2	16.0	RT	NB OFF RAMP	INL	---	---	---	1	---	---	---
130.2	1124+11.2	1.5	LT	NB OFF RAMP	INL	---	---	---	1	---	---	---
135.1	1200+34.3	19.4	RT	NB ON RAMP	INL	---	1	---	---	---	---	---
135.2	1200+36.2	1.8	LT	NB ON RAMP	INL	---	1	---	---	---	---	---
140.1	252+09.9	49.5	RT	55 NB	INL	---	---	1	---	---	---	---
140.2	252+17.4	32.2	RT	55 NB	INL	---	---	1	---	---	---	---
140.3	252+20.0	25.5	RT	55 NB	INL	---	---	1	---	---	---	---
145.0	73+27.0	1.5	LT	MALONEY RA	MH	---	---	---	---	---	1	---
145.1	73+11.5	1.5	LT	MALONEY RA	INL	---	---	---	---	---	1	---
150.0	249+74.9	47.2	RT	55 NB	MH	---	---	---	---	---	---	1
150.1	249+83.1	26.9	RT	55 NB	INL	---	---	1	---	---	---	---
150.2	249+65.0	1.5	LT	55 NB	INL	---	---	1	---	---	---	---
155.0	36+50.0	1.5	RT	MALONEY WB	MH	---	---	---	1	---	---	---
155.1	36+50.0	1.5	LT	MALONEY EB	INL	---	---	---	1	---	---	---
155.2	36+48.0	19.3	RT	MALONEY EB	INL	---	---	---	1	---	---	---
155.3	36+49.7	16.5	LT	MALONEY WB	INL	---	---	---	1*	---	---	---
155.5	36+54.1	40.6	LT	MALONEY WB	INL	---	---	---	1	---	---	---
155.6	36+70.7	39.1	LT	MALONEY WB	INL	---	---	1*	---	---	---	---
					SUBTOTALS	0	11	10	10	1	4	3
					PROJECT TOTALS	1	17	70	18	10	8	36

*DWY CURB HEAD COVER REQD

STORM SEWER STRUCTURES

STR NUMBER	LOCATION				STR TYPE	611.2004 MANHOLES 4-FT	611.2005 MANHOLES 5-FT	611.2006 MANHOLES 6-FT	611.2007 MANHOLES 7-FT	611.2044 MANHOLES 4X4-FT	611.2066 MANHOLES 6X6-FT
	STATION	DIST.	DIR	R/L		EACH	EACH	EACH	EACH	EACH	EACH
CATEGORY 0010											
2.0	207+46.3	145.2	RT	55 NB	MH	---	1	---	---	---	---
3.0	207+37.0	49.7	RT	55 NB	MH	---	1	---	---	---	---
4.0	207+45.0	6.0	LT	55 NB	MH	---	---	1	---	---	---
5.0	208+15.0	6.0	LT	55 NB	MH	---	---	1	---	---	---
7.0	310+83.0	25.5	RT	96	MH	---	---	1	---	---	---
7.2	310+84.8	37.2	LT	96	MH	1	---	---	---	---	---
8.0	311+85.0	4.0	LT	96	MH	1	---	---	---	---	---
10.0	210+05.0	6.0	LT	55 NB	MH	---	---	1	---	---	---
11.0	100+34.0	15.2	LT	CTH J	MH	---	1	---	---	---	---
12.0	209+25.0	14.0	LT	55 NB	MH	---	---	1	---	---	---
15.0	215+67.8	5.1	LT	55 NB	MH	1	---	---	---	---	---
16.0	213+00.0	6.0	LT	55 NB	MH	1	---	---	---	---	---
16.5	211+35.0	5.6	LT	55 NB	MH	1	---	---	---	---	---
17.0	218+33.0	5.0	LT	55 NB	MH	1	---	---	---	---	---
20.1	219+60.0	17.5	LT	55 SB	MH	---	1	---	---	---	---
20.2	219+81.0	16.7	RT	55 NB	MH	---	1	---	---	---	---
20.4	219+76.0	45.0	RT	55 NB	MH	---	1	---	---	---	---
23.1	15+53.0	25.5	RT	OO EB	MH	---	1	---	---	---	---
24.0	14+40.6	32.0	RT	OO EB	MH	---	1	---	---	---	---
27.1	224+87.4	23.7	LT	55 SB	MH	---	1	---	---	---	---
31.0	21+93.8	39.7	LT	OO EB	MH	---	1	---	---	---	---
32.0	22+04.6	11.7	LT	OO EB	MH	1	---	---	---	---	---
33.0	24+54.3	8.0	LT	OO EB	MH	1	---	---	---	---	---
44.0	230+50.0	18.0	LT	55 NB	MH	---	1	---	---	---	---
44.3	230+75.1	83.5	LT	55 NB	MH	1	---	---	---	---	---
45.0	233+52.0	18.0	LT	55 NB	MH	---	---	1	---	---	---
44-0001	51+54.9	1.7	RT	BADGER	RECT	---	---	---	---	---	---
44-0002	234+28.0	25.5	LT	55 NB	RECT	---	---	---	---	---	---
44-0003	236+29.0	25.5	LT	55 NB	RECT	---	---	---	---	---	---
44-0004	240+00.0	25.5	LT	55 NB	RECT	---	---	---	---	---	---
55.2	236+30.2	32.6	RT	55 NB	MH	1	---	---	---	---	---
62.0	242+02.0	25.5	LT	55 NB	MH	---	---	---	1	---	---
62.1	242+00.8	32.5	RT	55 NB	MH	1	---	---	---	---	---
65.0	244+10.0	25.5	LT	55 SB	MH	---	---	---	1	---	---
70.0	245+00.0	23.5	LT	55 SB	MH	---	---	1	---	---	---
70.1	245+04.1	53.6	LT	55 SB	MH	---	---	---	---	1	---
70.3	245+24.4	55.4	LT	55 SB	MH	---	1	---	---	---	---
75.0	71+31.1	42.9	LT	MALONEY RA	MH	---	---	---	---	---	1
76.0	34+02.5	1.5	LT	MALONEY EB	MH	1	---	---	---	---	---
80.0	250+51.9	45.0	LT	55 SB	MH	---	---	1	---	---	---
85.0	252+02.5	44.1	LT	55 SB	MH	---	---	---	1	---	---
90.0	80+83.6	10.0	LT	NB RAMP RA	MH	---	---	1	---	---	---
95.0	257+13.0	6.0	RT	55 NB	MH	---	---	1	---	---	---
100.0	93+02.5	12.6	LT	SB RAMP RA	MH	---	1	---	---	---	---
100.1	1122+23.0	65.1	RT	SB ON RAMP	MH	---	1	---	---	---	---
110.0	93+40.1	9.6	LT	SB RAMP RA	MH	---	1	---	---	---	---
120.1	263+85.0	75.0	LT	55 SB	MH	1	---	---	---	---	---
120.2	264+29.9	30.5	LT	55 SB	MH	1	---	---	---	---	---
120.4	264+50.0	1.5	LT	55 NB	MH	1	---	---	---	---	---
145.0	73+27.0	1.5	LT	MALONEY RA	MH	---	---	1	---	---	---
150.0	249+74.9	47.2	RT	55 NB	MH	---	1	---	---	---	---
155.0	36+50.0	1.5	RT	MALONEY WB	MH	1	---	---	---	---	---
					PROJECT TOTALS	16	16	11	3	1	1

3

INLET PROTECTION

STR NUMBER	LOCATION				628.7005 INLET PROTECTION TYPE A	628.7010 INLET PROTECTION TYPE B	628.7015 INLET PROTECTION TYPE C	628.7020 INLET PROTECTION TYPE D	628.7555 CULVERT PIPE CHECKS
	STATION	DIST.	DIR	R/L	EACH	EACH	EACH	EACH	EACH
CATEGORY 0010									
3.1	207+47.4	23.5	RT	55 NB	1	2	-	-	-
4.1	207+47.6	23.5	LT	55 NB	1	-	1	-	-
4.2	207+65.1	44.5	LT	55 NB	1	2	-	-	-
5.1	208+20.0	20.3	LT	55 NB	1	-	1	-	-
5.2	207+83.3	46.3	LT	55 NB	1	2	-	-	-
6.0	208+27.0	23.5	RT	55 NB	1	-	1	-	-
8.1	312+01.0	20.5	RT	96	1	-	1	-	-
8.2	312+01.0	28.5	LT	96	1	-	1	-	-
10.1	210+05.4	25.3	LT	55 NB	1	-	1	-	-
10.2	210+05.5	25.1	RT	55 NB	1	-	1	-	-
11.1	100+36.5	22.8	LT	CTH J	1	-	1	-	-
11.2	100+54.2	24.4	RT	CTH J	1	-	1	-	-
15.1	21+30.0	14.5	RT	E DESNOYER	1	-	1	-	-
15.2	21+43.0	14.5	LT	E DESNOYER	1	-	1	-	-
16.1	213+00.0	17.5	LT	55 NB	1	-	1	-	-
16.2	213+10.0	17.5	RT	55 NB	1	-	1	-	-
16.3	11+41.5	15.5	LT	E OVIATT	1	-	1	-	-
16.4	11+30.0	15.5	RT	E OVIATT	1	-	1	-	-
17.1	218+30.3	18.2	LT	55 NB	1	-	1	-	-
17.2	218+38.0	17.5	RT	55 NB	1	-	1	-	-
20.0	219+68.1	58.2	LT	55 SB	-	-	-	-	5
20.3	219+90.5	81.7	RT	55 NB	-	-	-	-	5
21.0	222+46.2	53.9	LT	55 SB	-	-	-	-	3
21.1	222+45.8	19.1	LT	55 SB	1	-	1	-	-
21.2	222+48.5	1.5	RT	55 SB	1	-	1	-	-
21.3	222+36.0	1.5	LT	55 NB	1	-	1	-	-
21.4	222+36.0	17.6	RT	55 NB	1	-	1	-	-
22.0	17+30.7	72.4	RT	OO EB	-	-	-	-	2
22.1	17+44.7	22.7	RT	OO EB	1	-	1	-	-
22.2	17+47.0	15.0	RT	OO EB	1	-	1	-	-
23.0	16+68.1	66.5	RT	OO EB	-	-	-	-	3
23.2	15+52.4	1.5	LT	OO EB	1	-	1	-	-
23.3	15+52.5	1.5	RT	OO WB	1	-	1	-	-
23.4	15+50.0	25.5	LT	OO WB	1	-	1	-	-
24.1	14+38.1	48.5	LT	OO WB	1	-	-	-	-
25.0	15+95.7	77.6	LT	OO EB	-	-	-	-	4
26.0	224+07.5	107.0	LT	55 SB	-	-	-	-	3
26.1	61+27.4	1.4	LT	OO RA	1	-	1	-	-
26.2	61+14.2	1.4	LT	OO RA	1	-	1	-	-
27.0	225+01.5	80.4	LT	55 SB	-	-	-	-	5
27.2	224+46.8	53.1	RT	55 NB	-	-	-	-	5
28.0	226+34.7	59.5	LT	55 SB	-	-	-	-	3
28.1	226+75.0	25.4	LT	55 SB	1	-	1	-	-
28.2	226+74.8	1.5	RT	55 SB	1	-	1	-	-
28.3	226+73.6	1.5	LT	55 NB	1	-	1	-	-
28.4	226+73.0	25.5	RT	55 NB	1	-	1	-	-
29.0	20+35.0	47.8	LT	OO WB	-	-	-	-	4
29.1	20+54.3	51.7	RT	OO EB	-	-	-	-	4
30.0	23+21.7	38.0	LT	OO WB	-	-	-	-	4
31.1	21+72.1	39.2	LT	OO WB	-	-	-	-	4
31.2	21+99.9	1.5	RT	OO WB	1	-	1	-	-
32.1	22+04.7	1.5	LT	OO EB	1	-	1	-	-
				SUBTOTALS	37	4	34	0	54

INLET PROTECTION CONT.

STR NUMBER	LOCATION				628.7005 INLET PROTECTION TYPE A	628.7010 INLET PROTECTION TYPE B	628.7015 INLET PROTECTION TYPE C	628.7020 INLET PROTECTION TYPE D	628.7555 CULVERT PIPE CHECKS
	STATION	DIST.	DIR	R/L	EACH	EACH	EACH	EACH	EACH
CATEGORY 0010									
33.1	24+52.2	1.5	LT	OO EB	1	-	1	-	-
33.2	24+55.5	1.5	RT	OO WB	1	-	1	-	-
33.3	24+56.0	16.5	LT	OO WB	1	-	1	-	-
44.1	230+50.1	25.6	LT	55 NB	1	-	1	-	-
44.2	230+50.0	25.5	RT	55 NB	1	-	1	-	-
44.4	229+60.7	51.4	LT	55 NB	1	2	-	-	-
44.5	229+93.0	25.5	RT	55 NB	1	-	1	-	-
45.1	233+52.0	25.5	LT	55 NB	-	-	-	1	-
45.2	233+37.0	25.5	LT	55 NB	1	-	1	-	-
45.3	233+52.0	25.5	RT	55 NB	-	-	-	1	-
45.4	233+37.0	25.5	RT	55 NB	1	-	1	-	-
48.0	50+67.5	17.0	LT	BADGER	-	-	-	1	-
48.1	234+75.4	27.3	RT	55 NB	1	-	1	-	-
48.3	50+67.5	17.0	RT	BADGER	-	-	-	1	-
48.4	50+50.0	37.8	RT	BADGER	1	-	-	-	-
44-0001	51+54.9	1.7	RT	BADGER	1	-	1	-	-
44-0002	234+28.0	25.5	LT	55 NB	1	-	1	-	-
50.1	234+28.8	50.9	LT	55 NB	-	-	-	-	6
44-0003	236+29.0	25.5	LT	55 NB	1	-	1	-	-
55.1	236+29.0	25.5	RT	55 NB	1	-	1	-	-
44-0004	240+00.0	25.5	LT	55 NB	1	-	1	-	-
60.1	240+00.0	25.5	RT	55 NB	1	2	-	-	-
60.2	239+86.0	51.8	RT	55 NB	1	-	1	-	-
60.3	239+80.0	25.5	RT	55 NB	1	-	1	-	-
60.4	239+80.0	25.5	LT	55 NB	1	-	1	-	-
62.1	242+00.0	25.5	RT	55 NB	1	-	1	-	-
63.0	241+10.0	56.8	LT	55 NB	1	2	-	-	-
65.1	244+10.0	1.5	RT	55 SB	1	-	1	-	-
65.2	244+09.9	1.5	LT	55 NB	1	-	1	-	-
70.2	245+02.7	43.4	RT	55 NB	1	1	-	-	-
76.1	34+02.0	18.1	RT	MALONEY EB	1	-	1	-	-
76.2	33+70.0	17.0	RT	MALONEY EB	1	-	1	-	-
76.3	34+00.3	1.5	RT	MALONEY WB	1	-	1	-	-
76.4	34+00.0	20.5	LT	MALONEY WB	1	-	1	-	-
76.5	33+72.9	17.6	LT	MALONEY WB	1	-	1	-	-
80.1	250+50.2	27.3	LT	55 SB	1	-	-	1	-
80.2	250+51.8	1.5	RT	55 SB	1	-	1	-	-
85.1	252+02.4	54.2	LT	55 SB	-	-	-	1	6
90.1	81+05.2	1.5	LT	NB RAMP RA	1	-	1	-	-
90.2	81+20.2	1.5	LT	NB RAMP RA	1	-	1	-	-
95.1	257+13.0	22.5	RT	55 NB	-	-	-	1	-
95.2	257+28.0	22.5	RT	55 NB	1	-	1	-	-
95.3	257+13.0	12.5	LT	55 NB	-	-	-	1	-
95.4	257+28.0	12.5	LT	55 NB	1	-	1	-	-
100.2	1122+05.7	55.7	RT	SB ON RAMP	1	2	-	-	-
105.0	91+60.9	78.4	RT	SB RAMP RA	-	-	-	-	3
105.1	91+59.5	54.9	RT	SB RAMP RA	1	-	1	-	-
105.2	91+55.6	34.3	RT	SB RAMP RA	1	-	1	-	-
105.3	91+48.0	28.9	RT	SB RAMP RA	1	-	1	-	-
105.4	91+25.0	19.5	RT	SB RAMP RA	1	-	1	-	-
105.5	261+87.8	1.5	LT	55 NB	1	-	1	-	-
105.6	262+29.6	18.0	RT	55 NB	1	-	1	-	-
110.1	93+38.6	1.5	LT	SB RAMP RA	1	-	1	-	-
110.2	93+23.6	1.5	LT	SB RAMP RA	1	-	1	-	-
				SUBTOTALS	45	9	38	8	15

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INLET PROTECTION CONT.

STR NUMBER	LOCATION				628.7005 INLET PROTECTION TYPE A EACH	628.7010 INLET PROTECTION TYPE B EACH	628.7015 INLET PROTECTION TYPE C EACH	628.7020 INLET PROTECTION TYPE D EACH	628.7555 CULVERT PIPE CHECKS EACH
	STATION	DIST.	DIR	R/L					
CATEGORY 0010									
110.3	1124+19.4	25.6	RT	SB OFF RAMP	1	2	-	-	-
110.4	1124+14.0	1.5	RT	SB OFF RAMP	-	-	-	1	-
110.5	1124+14.3	16.6	LT	SB OFF RAMP	1	-	1	-	-
110.6	1123+59.0	1.5	RT	SB OFF RAMP LT	1	-	1	-	-
110.7	1123+58.9	17.2	LT	SB OFF RAMP LT	-	-	-	1	-
115.1	1122+38.0	1.5	RT	SB ON RAMP	-	-	-	1	-
115.2	1122+38.0	21.6	LT	SB ON RAMP	1	-	1	-	-
115.3	1122+29.6	39.3	LT	SB ON RAMP	-	-	-	-	4
120.0	262+07.5	88.4	LT	55 SB	-	-	-	-	3
120.3	264+30.5	1.5	RT	55 SB	1	-	1	-	-
120.5	265+45.3	37.6	RT	55 NB	-	-	-	-	3
125.0	1123+81.5	33.3	RT	NB OFF RAMP RT	-	-	-	-	2
125.1	1123+81.5	1.5	LT	NB OFF RAMP RT	-	-	-	1	-
130.0	1124+23.0	38.6	RT	NB OFF RAMP RT	-	-	-	-	4
130.1	1124+11.2	16.0	RT	NB OFF RAMP	-	-	-	1	-
130.2	1124+11.2	1.5	LT	NB OFF RAMP	-	-	-	1	-
130.3	1124+11.1	25.4	LT	NB OFF RAMP	-	-	-	-	4
135.0	1200+37.4	34.7	RT	NB ON RAMP	-	-	-	-	2
135.1	1200+34.3	19.1	RT	NB ON RAMP	-	-	-	1	-
135.2	1200+36.2	1.5	LT	NB ON RAMP	-	-	-	1	-
140.0	251+96.5	81.0	RT	55 NB	-	-	-	-	2
140.1	252+09.9	49.5	RT	55 NB	1	-	1	-	-
140.2	252+17.4	32.2	RT	55 NB	1	-	1	-	-
140.3	252+20.0	25.5	RT	55 NB	1	-	1	-	-
145.0	73+27.0	1.5	LT	MALONEY RA	1	-	1	-	-
145.1	73+11.5	1.5	LT	MALONEY RA	1	-	1	-	-
150.1	249+83.1	26.9	RT	55 NB	1	-	1	-	-
150.2	249+65.0	1.5	LT	55 NB	1	-	1	-	-
155.0	36+50.0	1.5	RT	MALONEY WB	-	-	-	1	-
155.1	36+50.0	1.5	LT	MALONEY EB	-	-	-	1	-
155.2	36+48.0	19.3	RT	MALONEY EB	-	-	-	1	-
155.3	36+49.7	16.5	LT	MALONEY WB	-	-	-	1	-
155.5	36+54.1	40.6	LT	MALONEY WB	-	-	-	1	-
155.6	30+70.7	39.1	LT	MALONEY WB	1	-	1	-	-
EX 4301	236+30.0	31.5	RT	55 NB	1	-	1	-	-
EX 4521	242+01.0	32.1	RT	55 NB	1	-	1	-	-
EXISTING	207+47		RT	STH 55	-	1	-	-	-
EXISTING	207+55		LT	STH 55	-	1	-	-	-
EXISTING	207+61		LT	STH 55	-	-	-	-	-
EXISTING	207+84		LT	STH 55	-	-	-	-	-
EXISTING	208+23		RT	STH 55	-	1	-	-	-
EXISTING	208+41		LT	STH 55	-	1	-	-	-
EXISTING	209+93		LT	STH 55	-	1	-	-	-
EXISTING	209+97		RT	STH 55	-	1	-	-	-
EXISTING	212+56		RT	STH 55	-	1	-	-	-
EXISTING	212+92		LT	STH 55	-	1	-	-	-
EXISTING	212+97		RT	STH 55	-	1	-	-	-
EXISTING	213+07		RT	STH 55	-	1	-	-	-
EXISTING	215+65		RT	STH 55	-	1	-	-	-
EXISTING	216+04		RT	STH 55	-	1	-	-	-
				SUBTOTALS	15	14	14	13	24

INLET PROTECTION CONT.

STR NUMBER	LOCATION				628.7005 INLET PROTECTION TYPE A EACH	628.7010 INLET PROTECTION TYPE B EACH	628.7015 INLET PROTECTION TYPE C EACH	628.7020 INLET PROTECTION TYPE D EACH	628.7555 CULVERT PIPE CHECKS EACH
	STATION	DIST.	DIR	R/L					
CATEGORY 0010									
EXISTING	218+20		LT	STH 55	-	1	-	-	-
EXISTING	218+21		RT	STH 55	-	1	-	-	-
EXISTING	236+29		RT	STH 55	-	1	-	-	-
EXISTING	237+75		RT	STH 55	1	-	-	-	-
EXISTING	242+00		RT	STH 55	-	1	-	-	-
EXISTING	245+00		LT	STH 55	-	-	-	-	5
EXISTING	254+83		RT	STH 55	-	1	-	-	-
EXISTING	254+66		LT	STH 55	-	1	-	-	-
EXISTING	261+07		RT	STH 55	-	1	-	-	-
EXISTING	310+92		LT	STH 96	-	1	-	-	-
EXISTING	311+02		RT	STH 96	-	1	-	-	-
EXISTING	311+78		RT	STH 96	-	1	-	-	-
EXISTING	100+31		LT	CTH J	-	1	-	-	-
EXISTING	100+53		RT	CTH J	-	1	-	-	-
EXISTING	13+91		RT & LT	CTH OO	-	2	-	-	-
EXISTING	14+37		LT	CTH OO	-	-	-	-	-
EXISTING	15+80		RT	CTH OO	-	-	-	-	-
EXISTING	15+90		RT & LT	CTH OO	-	2	-	-	-
EXISTING	21+23		LT	CTH OO	-	1	-	-	-
EXISTING	21+22		LT	CTH OO	-	-	-	-	5
EXISTING	22+96		LT	CTH OO	-	1	-	-	-
				SUBTOTALS	1	18	0	0	10
				PROJECT TOTALS	98	45	86	21	103

MARKERS CULVERT END

STR NUMBER	LOCATION				633.5200 MARKERS CULVERT END EACH
	STATION	DIST.	DIR	R/L	
CATEGORY 0010					
20.0	219+68.1	58.2	LT	55 SB	1
20.3	219+90.5	81.7	RT	55 NB	1
21.0	222+46.2	53.9	LT	55 SB	1
22.0	17+30.7	72.4	RT	OO EB	1
23.0	16+68.1	66.5	RT	OO EB	1
25.0	15+95.7	77.6	LT	OO EB	1
26.0	224+07.5	107.0	LT	55 SB	1
27.0	225+01.5	80.4	LT	55 SB	1
27.2	224+46.8	53.1	RT	55 NB	1
28.0	226+34.7	59.5	LT	55 SB	1
29.0	20+35.0	47.8	LT	OO WB	1
29.1	20+54.3	51.7	RT	OO EB	1
30.0	23+21.7	38.0	LT	OO WB	1
31.1	21+72.1	39.2	LT	OO WB	1
50.1	234+28.8	50.9	LT	55 NB	1
85.1	252+02.4	54.2	LT	55 SB	1
105.0	91+60.9	78.4	RT	SB RAMP RA	1
115.3	1122+29.6	39.3	LT	SB ON RAMP	1
120.0	262+07.5	88.4	LT	55 SB	1
120.5	265+45.3	37.6	RT	55 NB	1
125.0	1123+81.5	33.3	RT	NB OFF RAMP RT	1
130.0	1124+23.0	38.6	RT	NB OFF RAMP RT	1
130.3	1124+11.1	25.4	LT	NB OFF RAMP	1
135.0	1200+37.4	34.7	RT	NB ON RAMP	1
140.0	251+96.5	81.0	RT	55 NB	1
				PROJECT TOTAL	25

TRACKING PAD

STAGE	LOCATION	628.7560 TRACKING PAD EACH
PROJECT 4650-08-71 CATEGORY 0010		
STAGE 1	STH 55	2
STAGE 2	STH 55	2
STAGE 3	STH 55	2
	PROJECT TOTAL	6

GEOTEXTILE FABRIC TYPE SAS

LOCATION	645.0140 GEOTEXTILE FABRIC TYPE SAS SY
PROJECT 4650-08-71 CATEGORY 0010	
LAWE RAILROAD CROSSING	500
DELANGLADE RAILROAD CROSSING	420
30% OF ROADWAY SUBGRADE	19,000
PROJECT TOTAL	19,920

3

TRAFFIC CONTROL

PROJECT	643.5000 EA
CATEGORY 0010	
4650-08-71	1

1

TRAFFIC CONTROL

STAGE	LOCATION	APPROX. SERVICE PERIOD DAYS	643.0300 DRUMS NO.	DAYS	643.0410 BARRICADES TYPE II NO.	DAYS	643.0420 BARRICADES TYPE III * NO.	DAYS	643.0705 WARNING LIGHTS TYPE A * NO.	DAYS	643.0715 WARNING LIGHTS TYPE C NO.	DAYS	643.0800 ARROW BOARDS NO.	DAYS	643.0900 SIGNS NO.	DAYS
PROJECT 4650-08-71 CATEGORY 0010																
1A & 1B	STH 55 (LAWE ST)	67	35	2345	--	--	3	201	6	402	6	402	--	--	15	1005
	STH 96 (PLANK ROAD)	67	--	--	--	--	--	--	--	--	--	--	--	--	5	335
	CTH J (LAWE ST)	67	--	--	--	--	--	--	--	--	--	--	--	--	4	268
	STH 55 (DELANGLADE)	67	--	--	2	134	6	402	12	804	--	--	--	--	6	402
	OVIATT ST	102	--	--	4	408	10	1020	20	2040	--	--	--	--	14	1428
	DESNOYER ST	102	--	--	4	408	10	1020	20	2040	--	--	--	--	14	1428
	BLACKWELL ST	102	--	--	--	--	6	612	12	1224	--	--	--	--	6	612
	CTH OO WEST OF STH 55	67	--	--	--	--	6	402	12	804	--	--	--	--	6	402
	CTH OO EAST OF STH 55	67	--	--	--	--	6	402	12	804	--	--	--	--	6	402
	BADGER RD	102	--	--	--	--	5	510	10	1020	--	--	--	--	3	306
	STH 55 AT GERTRUDE/MALONEY	102	--	--	--	--	3	306	6	612	--	--	--	--	1	102
	STH 55 NORTH OF GERTRUDE/MALONEY	102	--	--	--	--	--	--	--	--	--	--	--	--	4	408
	GERTRUDE	102	--	--	--	--	--	--	--	--	--	--	--	--	2	204
	MALONEY	102	--	--	--	--	--	--	--	--	--	--	--	--	2	204
2	STH 55 (LAWE ST)	50	--	--	--	--	7	350	14	700	--	--	--	--	7	350
	STH 96 (PLANK ROAD)	50	--	--	--	--	6	300	12	600	--	--	--	--	7	350
	CTH J (LAWE ST)	50	--	--	--	--	6	300	12	600	--	--	--	--	7	350
	STH 55 (DELANGLADE)	50	--	--	--	--	--	--	--	--	--	--	--	--	6	300
3	STH 55 (DELANGLADE) SOUTH OF GERTRUDE/MALONEY	90	--	--	--	--	6	540	12	1080	--	--	--	--	7	630
	STH 55 (DELANGLADE) NORTH OF IH 41	90	--	--	--	--	6	540	12	1080	--	--	--	--	7	630
	GERTRUDE	90	--	--	--	--	2	180	4	360	--	--	--	--	2	180
	MALONEY	90	--	--	--	--	2	180	4	360	--	--	--	--	3	270
	IH 41 NB EXIT RAMP CLOSURE	90	28	2520	--	--	4	360	8	720	--	--	--	--	10	900
	IH 41 SB EXIT RAMP CLOSURE	90	26	2340	--	--	4	360	8	720	--	--	--	--	10	900
	IH 41 NB LANE CLOSURE	15	54	810	--	--	3	45	6	90	17	255	2	30	12	180
	IH 41 SB LANE CLOSURE	10	72	720	--	--	5	50	10	100	17	170	2	20	14	140
	IH 41 NB SHOULDER CLOSURE	55	25	1375	--	--	--	--	--	--	--	--	1	55	6	330
	IH 41 SB SHOULDER CLOSURE	55	41	2255	--	--	--	--	--	--	--	--	1	55	6	330
	TOTALS			12,365		950		8,080		16,160		827		160		13,346

* ADDITIONAL QUANTITIES SHOWN ON TRAFFIC CONTROL DETOUR SIGN SUMMARY

3

PAVEMENT MARKING

STATION	TO	STATION	LOCATION	646.1020 MARKING LINE EPOXY 4-INCH (WHITE) LF	646.1020 MARKING LINE EPOXY 4-INCH (YELLOW) LF	646.3020 MARKING LINE EPOXY 8-INCH LF	646.6320 MARKING DOTTED EXTENSION EPOXY 18-INCH LF	646.3555 MARKING LINE GROOVED CONTRAST PERMANENT TAPE 8-INCH LF	646.5320 MARKING RAILROAD CROSSING EPOXY EACH	646.5020 MARKING ARROWS EPOXY TYPE 1 EACH	TYPE 2R EACH	TYPE 2 EACH	TYPE 3R EACH	TYPE 3 EACH	BIKE LANE EACH
PROJECT 4650-08-71 CATEGORY 0010															
206+00	-	210+75	DELANGLADE ST	173	393	188	---	---	3	---	---	2	---	2	2
210+75	-	216+50	DELANGLADE ST	855	885	123	---	---	---	---	---	1	---	1	4
216+50	-	222+00	DELANGLADE ST	832	558	---	---	---	2	---	---	---	---	---	3
222+00	-	227+75	DELANGLADE ST	48	899	290	111	---	---	---	---	2	2	4	---
227+75	-	233+75	DELANGLADE ST	300	1569	---	---	---	---	---	---	2	---	---	---
233+75	-	239+75	DELANGLADE ST	300	976	---	---	---	---	---	---	---	---	---	---
239+75	-	244+75	DELANGLADE ST	250	1270	6	---	---	---	---	---	---	1	1	---
244+75	-	250+75	DELANGLADE ST	96	580	628	123	---	---	2	---	---	1	5	---
250+75	-	256+75	DELANGLADE ST	114	365	753	110	---	---	6	---	2	3	5	---
256+75	-	262+75	DELANGLADE ST	6	724	531	114	---	---	3	2	2	---	2	---
262+75	-	268+75	DELANGLADE ST	613	1166	485	---	---	---	2	---	2	---	---	---
268+75	-	272+50	DELANGLADE ST	190	183	---	---	---	---	---	---	---	---	---	---
12+25	-	17+50	HYLAND AVE	188	1480	217	---	---	---	---	---	2	1	---	---
20+75	-	26+50	HYLAND AVE	434	1236	---	---	---	---	---	---	---	---	---	---
28+00	-	33+25	GERTRUDE ST	---	2060	---	---	---	---	---	---	4	---	---	---
310+00	-	314+75	PLANK RD	790	1300	91	---	---	---	---	---	2	---	1	---
100+00	-	101+00	LAWE ST	---	107	---	---	---	---	---	---	---	---	---	---
36+75	-	42+00	MALONEY RD	143	1019	169	---	---	---	---	---	2	1	---	---
1100+00	-	1123+90	IH OFFRAMP AA	1948	677	263	---	997	---	---	---	1	1	---	---
1200+75	-	1204+25	IH ONRAMP BB	348	374	---	---	---	---	---	---	---	---	---	---
1101+50	-	1121+75	IH ONRAMP DD	2040	452	---	---	325	---	---	---	---	---	---	---
1124+25	-	1132+40	IH OFFRAMP CC	736	549	232	---	471	---	---	---	1	1	---	---
			SUBTOTALS	10403	18824	3975	458	1793	5	13	2	25	11	21	9
			PROJECT TOTALS	29227		3975	458	1793	5			81			

3

PAVEMENT MARKING CONT'D

STATION	TO	STATION	LOCATION	646.5220 MARKING SYMBOL EPOXY (BIKE LANE) EACH	646.5120 MARKING WORD EPOXY EACH	646.8120 MARKING CURB EPOXY (YELLOW) LF	646.6120 MARKING STOP LINE EPOXY 18-INCH LF	646.8220 MARKING ISLAND NOSE EPOXY EACH	646.7120 MARKING DIAGONAL EPOXY 12-INCH (YELLOW) LF	646.7420 MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH LF
PROJECT 4650-08-71 CATEGORY 0010										
206+00	-	210+75	DELANGLADE ST	2	1	---	54	---	---	211
210+75	-	216+50	DELANGLADE ST	4	---	---	---	---	---	539
216+50	-	222+00	DELANGLADE ST	3	---	10	---	1	24	341
222+00	-	227+75	DELANGLADE ST	---	7	10	---	1	41	359
227+75	-	233+75	DELANGLADE ST	---	1	---	---	---	7	---
233+75	-	239+75	DELANGLADE ST	---	---	---	---	---	---	---
239+75	-	244+75	DELANGLADE ST	---	---	10	---	1	27	---
244+75	-	250+75	DELANGLADE ST	---	7	20	---	2	---	322
250+75	-	256+75	DELANGLADE ST	---	8	10	---	1	---	191
256+75	-	262+75	DELANGLADE ST	---	7	10	---	1	---	212
262+75	-	268+75	DELANGLADE ST	---	1	---	---	---	---	---
268+75	-	272+50	DELANGLADE ST	---	---	---	---	---	---	98
12+25	-	17+50	HYLAND AVE	---	1	10	---	1	---	---
20+75	-	26+50	HYLAND AVE	---	---	10	---	1	---	---
28+00	-	33+25	GERTRUDE ST	---	---	---	---	---	65	---
310+00	-	314+75	PLANK RD	---	---	---	27	---	53	128
100+00	-	101+00	LAWE ST	---	---	---	15	---	---	88
36+75	-	42+00	Maloney Road	---	1	---	---	---	---	---
1100+00	-	1123+90	IH OFFRAMP AA	---	1	---	---	---	---	---
1106+50	-	1112+50	IH ONRAMP BB	---	---	---	---	---	---	---
1200+75	-	1204+25	IH ONRAMP DD	---	---	---	---	---	---	---
1124+25	-	1132+40	IH OFFRAMP CC	---	1	---	---	---	---	---
			SUBTOTALS	9	36	90	96	9	218	2489
			PROJECT TOTALS	9	36	90	96	9	218	2489

3

CONSTRUCTION STAKING

STATION TO STATION	LOCATION	650.4000 CONSTRUCTION STAKING STORM SEWER EACH	650.4500 CONSTRUCTION STAKING SUBGRADE LF	650.5000 CONSTRUCTION STAKING BASE LF	650.5500 CONSTRUCTION STAKING CURB & GUTTER LF	650.7000 CONSTRUCTION STAKING CONCRETE PAVEMENT LF	650.9920 CONSTRUCTION STAKING SLOPE STAKES LF
207+30 - 222+72	STH 55 NB	25	1542	137	2230	1405	1542
218+19 - 222+82	STH 55 SB	4	463	137	1585	1405	463
224+02 - 247+91	STH 55 NB	27	2389	-	3005	2389	2389
224+07 230+87	STH 55 SB	6	680	-	3130	680	680
242+06 - 247+96	STH 55 SB	5	590	-	-	590	590
249+51 - 253+65	STH 55 NB	7	414	-	495	414	414
249+53 - 253+76	STH 55 SB	5	424	-	1335	424	424
651+92 - 653+64	STH 55 NB RT TURN LANE	-	174	-	330	174	174
255+24 - 260+07	STH 55 NB	5	484	-	665	484	484
255+30 - 255+66	STH 55 SB	-	137	-	690	137	137
258+97 - 260+12	STH 55 SB	-	115	-	305	115	115
261+68 - 268+25	STH 55 NB	6	656	-	335	656	656
261+71 - 270+33	STH 55 SB	4	867	-	875	867	867
461+73 - 465+25	STH 55 SB RT TURN LANE	-	352	-	340	352	352
561+59 - 565+25	STH 55 SB THRU LANE	-	367	-	1610	367	367
309+59 - 314+14	STH 96 (PLANK RD)	6	456	-	830	456	456
100+00 - 101+00	CTH J (LAWE ST)	3	100	-	505	100	100
9+00 - 10+00	OVIATT ST WEST LEG	-	100	-	*	100	100
11+00 - 11+50	OVIATT ST EAST LEG	2	50	-	*	50	50
19+50 - 20+00	DESNOYER ST WEST LEG	-	50	-	*	50	50
21+00 - 22+00	DESNOYER ST EAST LEG	2	100	-	*	100	100
28+50 - 29+00	BLACKWELL ST WEST LEG	-	50	35	*	15	50
31+00 - 31+66	BLACKWELL ST EAST LEG	-	66	-	*	66	66
12+66 - 18+46	CTH OO EB (HYLAND AVE)	8	580	-	1215	580	580
19+79 - 26+39	CTH OO EB (HYLAND AVE)	6	670	-	1545	670	670
12+66 - 18+47	CTH OO WB (HYLAND AVE)	3	582	-	860	582	582
19+75 - 26+32	CTH OO WB (HYLAND AVE)	6	657	-	675	657	657
500+00 - 52+50	BADGER RD	3	250	-	185	250	250
28+02 - 34+12	GERTURDE ST EB	3	610	-	725	610	610
28+00 - 34+10	GERTRUDE ST WB	3	612	-	630	612	612
35+93 - 40+56	MALONEY ST EB	2	462	-	695	462	462
35+99 - 38+02	MALONEY ST WB	3	203	-	670	203	203
1200+00 - 1204+37	IH 41 NB ON RAMP	3	438	-	265	438	438
1313+17 - 1124+55	IH 41 NB OFF RAMP	3	1138	-	100	1138	1138
1121+29 - 1125+07	IH 41 NB OFF RAMP RT TURN LANE	3	378	-	180	378	378
923+82 - 924+68	IH 41 NB OFF RAMP SPLITTER ISLAND	-	87	-	375	87	87
1116+41 - 1122+82	IH 41 SB ON RAMP	5	640	-	265	640	640
1123+79 - 1130+66	IH 41 SB OFF RAMP	3	687	-	100	687	687
1123+11 - 1127+51	IH 41 SB OFF RAMP RT TURN LANE	-	439	-	250	439	439
23+64 - 27+51	IH 41 SB OFF RAMP SPLITTER ISLAND	2	387	-	630	387	387
60+00 - 63+14	STH 55/CTH OO R-A-B	2	314	-	520	314	314
70+00 - 74+08	STH 55/MALONEY RD R-A-B	3	408	-	710	408	408
80+00 - 84+08	STH 55/IH 41 NB R-A-B	3	408	-	670	408	408
90+00 - 94+39	STH 55/IH 41 SB R-A-B	9	439	-	730	439	439
	PROJECT TOTALS	180	21015	309	30260	21785	21015

3

Conduit Rigid Nonmetallic Schedule 40

FROM	TO	LOCATION	652.0225 2-Inch LF	652.0235 3-Inch LF
CB1	PB2	USH 41 SB & STH 55	---	20
CB1	PB2	USH 41 SB & STH 55	---	20
PB1	PB2	USH 41 SB & STH 55	80	---
PB2	LB1	USH 41 SB & STH 55	20	---
PB2	PB3	USH 41 SB & STH 55	110	---
PB3	LB2	USH 41 SB & STH 55	20	---
PB3	PB4	USH 41 SB & STH 55	80	---
PB4	LB3	USH 41 SB & STH 55	30	---
PB4	PB5	USH 41 SB & STH 55	90	---
PB5	PB6	USH 41 SB & STH 55	80	---
PB6	LB4	USH 41 SB & STH 55	20	---
PB6	PB7	USH 41 SB & STH 55	70	---
PB7	LB5	USH 41 SB & STH 55	20	---
PB7	PB8	USH 41 SB & STH 55	60	---
PB8	PB9	USH 41 SB & STH 55	80	---
PB9	LB6	USH 41 SB & STH 55	10	---
PB9	PB10	USH 41 SB & STH 55	110	---
PB10	LB7	USH 41 SB & STH 55	30	---
PB10	PB1	USH 41 SB & STH 55	30	---
CB1	PB1	USH 41 NB & STH 55	---	20
CB1	PB1	USH 41 NB & STH 55	---	20
PB1	PB2	USH 41 NB & STH 55	90	---
PB2	LB1	USH 41 NB & STH 55	30	---
PB2	PB3	USH 41 NB & STH 55	100	---
PB3	LB2	USH 41 NB & STH 55	20	---
PB3	PB4	USH 41 NB & STH 55	90	---
PB4	LB3	USH 41 NB & STH 55	10	---
PB4	PB5	USH 41 NB & STH 55	60	---
PB5	PB6	USH 41 NB & STH 55	60	---
PB6	LB4	USH 41 NB & STH 55	30	---
PB6	PB7	USH 41 NB & STH 55	70	---
PB7	PB8	USH 41 NB & STH 55	40	---
PB8	LB5	USH 41 NB & STH 55	30	---
PB8	PB9	USH 41 NB & STH 55	80	---
PB9	LB6	USH 41 NB & STH 55	20	---
PB9	PB10	USH 41 NB & STH 55	70	---
PB10	PB11	USH 41 NB & STH 55	50	---
PB11	LB7	USH 41 NB & STH 55	20	---
PB11	PB1	USH 41 NB & STH 55	70	---
		PROJECT TOTAL	1,880	80

Pull Boxes, Non-Conductive

LOCATION	653.0164 24x42-Inch EACH
USH 41 SB & STH 55	10
USH 41 NB & STH 55	11
PROJECT TOTAL	21

ADDITIONAL QTY LOCATED IN TRAFFIC SIGNAL TABLE

Concrete Bases

LOCATION	654.0105 Type 5 EACH	654.0224 Control Cabinet EACH
USH 41 SB & STH 55	7	1
USH 41 NB & STH 55	7	1
PROJECT TOTAL	14	2

Electrical Wire Lighting

(240 VOLT SYSTEM)				10AWG	12AWG	
				655.0615 Ungrounded Conductor (see Circuit Color)	655.0610 Ungrounded Conductor (Black)/(Red)	655.0610 Equipment Grounding Conductor (Green)
Circuit	FROM	TO	LOCATION	LF	LF	LF
A (Black)	CB1	LB1	USH 41 SB & STH 55	140	---	---
	LB1	Luminaires	USH 41 SB & STH 55	---	100	50
	LB1	LB2	USH 41 SB & STH 55	380	---	---
	LB2	Luminaires	USH 41 SB & STH 55	---	100	50
	LB2	LB3	USH 41 SB & STH 55	340	---	---
	LB3	Luminaires	USH 41 SB & STH 55	---	100	50
B (Red)	CB1	LB4	USH 41 SB & STH 55	940	---	---
	LB4	Luminaires	USH 41 SB & STH 55	---	100	50
	LB4	LB5	USH 41 SB & STH 55	300	---	---
	LB5	Luminaires	USH 41 SB & STH 55	---	100	50
C (Blue)	CB1	LB7	USH 41 SB & STH 55	420	---	---
	LB7	Luminaires	USH 41 SB & STH 55	---	100	50
	LB7	LB6	USH 41 SB & STH 55	380	---	---
	LB6	Luminaires	USH 41 SB & STH 55	---	100	50
A (Black)	CB1	LB1	USH 41 NB & STH 55	360	---	---
	LB1	Luminaires	USH 41 NB & STH 55	---	100	50
	LB1	LB2	USH 41 NB & STH 55	380	---	---
	LB2	Luminaires	USH 41 NB & STH 55	---	100	50
	LB2	LB3	USH 41 NB & STH 55	320	---	---
	LB3	Luminaires	USH 41 NB & STH 55	---	100	50
B (Red)	CB1	LB4	USH 41 NB & STH 55	1060	---	---
	LB4	Luminaires	USH 41 NB & STH 55	---	100	50
	LB4	LB5	USH 41 NB & STH 55	440	---	---
	LB5	Luminaires	USH 41 NB & STH 55	---	100	50
C (Blue)	CB1	LB7	USH 41 NB & STH 55	300	---	---
	LB7	Luminaires	USH 41 NB & STH 55	---	100	50
	LB7	LB6	USH 41 NB & STH 55	420	---	---
	LB6	Luminaires	USH 41 NB & STH 55	---	100	50
			PROJECT TOTALS	6180	2100	

Electrical Wire Lighting 10AWG

(240 VOLT SYSTEM)			655.0615 Equipment Grounding Conductor (Green)
FROM	TO	LOCATION	LF
CB1	LB1	USH 41 SB & STH 55	70
LB1	LB2	USH 41 SB & STH 55	190
LB2	LB3	USH 41 SB & STH 55	170
LB3	LB4	USH 41 SB & STH 55	270
LB4	LB5	USH 41 SB & STH 55	1140
LB5	LB6	USH 41 SB & STH 55	220
LB6	LB7	USH 41 SB & STH 55	190
LB7	CB1	USH 41 SB & STH 55	210
CB1	LB1	USH 41 NB & STH 55	180
LB1	LB2	USH 41 NB & STH 55	190
LB2	LB3	USH 41 NB & STH 55	160
LB3	LB4	USH 41 NB & STH 55	210
LB4	LB5	USH 41 NB & STH 55	220
LB5	LB6	USH 41 NB & STH 55	170
LB6	LB7	USH 41 NB & STH 55	210
LB7	CB1	USH 41 NB & STH 55	150
		PROJECT TOTAL	3950

Electric Service

LOCATION	656.0200 Meter Breaker Pedestal LS	659.2124 Lighting Control Cabinet EACH
USH 41 SB & STH 55	1	1
USH 41 NB & STH 55	1	1
PROJECT TOTALS	2	2

Lighting Summary

LOCATION	657.0255 Transformer Bases Breakaway 11 1/2-Inch Bolt Circle EACH	657.0322 Poles Type 5 (Aluminum) EACH	657.0710 Luminaire Arms Truss Type 4 1/2-Inch Clamp 12-FT EACH	659.1115 Luminaires Utility LED-A EACH
USH 41 SB & STH 55	7	7	7	7
USH 41 NB & STH 55	7	7	7	7
PROJECT TOTALS	14	14	14	14

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SAW CUTTING

STATION	TO	STATION	DIR	LOCATION	690.0150 SAWING ASHPALT LF	690.0250 SAWING CONCRETE LF
PROJECT 4650-08-71 CATEGORY 0010						
207+30	-	207+30	R/L	STH 55	-	55
208+03	-	208+23	LT	STH 55 DWY	20	-
208+73	-	208+95	LT	BLDG/WALL FACE	-	78
210+23	-	210+71	LT	STH 55 DWY	55	-
214+35	-	214+48	RT	STH 55 DWY	-	15
214+41	-	214+60	LT	STH 55 DWY	-	20
216+90	-	217+12	LT	STH 55 DWY	-	25
217+48	-	218+46	RT	STH 55 DWY	105	-
227+98	-	227+26	LT	STH 55 DWY	30	-
225+39	-	225+89	RT	STH 55 DWY	50	-
231+59	-	231+94	LT	STH 55 DWY	35	-
237+53	-	237+93	RT	STH 55 DWY	40	-
239+20	-	239+66	RT	STH 55 DWY	50	-
241+31	-	241+57	LT	STH 55 DWY	25	-
242+46	-	242+81	RT	STH 55 DWY	35	-
264+94	-	265+35	RT	STH 55 DWY	40	-
268+35	-	268+35	RT	STH 55	20	-
270+63	-	270+63	LT	STH 55	35	-
309+97	-	310+24	LT	STH 96	30	
310+84	-	313+46	RT	STH 96 DWY	285	
313+06	-	313+15	LT	STH 96 DWY	10	
313+55	-	313+76	RT	STH 96 DWY	20	
314+39	-	314+39	R/L	STH 96	-	40
100+88	-	100+96	LT	CTH J DWY	10	-
101+00	-	101+00	R/L	CTH J	35	-
9+00	-	9+00	R/L	OVAITT ST	30	-
9+04	-	9+13	LT	OVAITT ST DWY	10	-
11+50	-	11+50	R/L	OVAITT ST	35	-
				COLUMN TOTALS	1,005	233

SAW CUTTING CONT.

STATION	TO	STATION	DIR	LOCATION	690.0150 SAWING ASHPALT LF	690.0250 SAWING CONCRETE LF
PROJECT 4650-08-71 CATEGORY 0010						
19+50	-	19+50	R/L	DESNOYER ST	-	30
22+00	-	22+00	R/L	DESNOYER ST	-	30
28+25	-	28+25	R/L	BLACKWELL ST	50	-
31+66	-	31+66	R/L	BLACKWELL ST	-	40
12+66	-	12+66	R/L	CTH OO	-	55
14+43	-	14+83	RT	CTH OO DWY	40	-
22+01	-	22+78	LT	CTH OO DWY	80	-
26+39	-	26+39	R/L	CHT OO	-	25
51+17	-	51+36	LT	BADGER ST	20	-
51+80	-	52+16	RT	BADGER ST	40	-
51+99	-	52+25	LT	BADGER ST	25	-
52+50	-	52+50	R/L	BADGER ST	-	40
28+01	-	28+01	R/L	GERTURDE ST	25	-
30+49	-	30+94	LT	GERTURDE ST	45	-
31+05	-	31+50	RT	GERTURDE ST	50	-
31+66	-	31+98	RT	GERTURDE ST	35	-
32+50	-	33+85	RT	GERTURDE ST	130	-
32+63	-	33+03	LT	GERTURDE ST	40	-
36+52	-	37+20	LT	MALONEY RD	90	-
38+10	-	38+35	LT	MALONEY RD	25	-
38+77	-	39+07	LT	MALONEY RD	30	-
39+65	-	39+91	RT	MALONEY RD	25	-
40+56	-	40+56	R/L	MALONEY RD	-	50
1204+37	-	1204+37	R/L	IH 41 NB ON RAMP	10	15
1112+48	-	1118+19	LT	IH 41 NB OFF RAMP	150	445
1109+42	-	1166+55	RT	IH 41 SB ON RAMP	200	530
1130+57	-	1132+42	RT	IH 41 SB OFF RAMP	200	15
				COLUMN TOTALS	1,310	1,275
				PROJECT TOTALS	2,315	1,508

ADJUSTING WATER VALVE BOX

STATION	OFFSET	DIR	LOCATION	SPV.0060.07 EA
CATEGORY 0040				
310+84	6.5	LT	STH 96	1
209+37	10.0	LT	STH 55	4
100+40	11.2	LT	CTH J	1
100+54	32.4	LT	CTH J	1
100+64	12.2	LT	CTH J	1
210+85	35.0	LT	STH 55	1
212+47	55.5	RT	STH 55	1
212+78	13.7	LT	STH 55	1
213+66	23.1	RT	STH 55	1
214+05	23.4	LT	STH 55	1
215+98	54.1	RT	STH 55	1
215+80	14.8	LT	STH 55	3
216+59	28.8	LT	STH 55	1
217+35	17.8	LT	STH 55	3
218+56	14.5	LT	STH 55	1
218+73	48.9	RT	STH 55	1
218+48	59.5	LT	STH 55	2
219+50	35.0	RT	STH 55	2
14+93	38.3	RT	CTH OO	1
14+96	22.8	RT	CTH OO	1
60+36	34.3	RT	CTH OO RA	2
226+95	23.0	RT	STH 55	2
227+77	40.0	LT	STH 55	1
227+77	16.0	RT	STH 55	1
230+76	29.0	RT	STH 55	1
231+21	54.0	LT	STH 55	1
50+31	30.0	LT	BADGER	1
50+28	25.0	RT	BADGER	1
50+77	23.0	RT	BADGER	1
52+47	21.0	RT	BADGER	1
236+24	42.0	RT	STH 55	1
237+25	33.0	RT	STH 55	1
237+51	43.0	RT	STH 55	1
239+62	42.0	LT	STH 55	1
240+25	30.3	RT	STH 55	2
241+16	14.0	RT	STH 55	1
243+02	27.0	RT	STH 55	2
246+58	42.0	LT	STH 55	1
246+92	43.0	RT	STH 55	2
247+21	58.0	LT	STH 55	1
30+06	21.0	LT	MALONEY	2
30+28	41.0	LT	MALONEY	1
33+48	36.0	RT	MALONEY	2
248+40	5.0	RT	STH 55	2
36+26	24.0	RT	GERTRUDE	1
38+86	23.0	RT	GERTRUDE	3
251+42	46.0	RT	STH 55	1
262+06	27.0	RT	STH 55	1
264+70	30.0	RT	STH 55	1
265+89	28.0	RT	STH 55	1
UNDISTRUBUTED				6
			PROJECT TOTALS	75

SAW CUTTING

STATION	TO	STATION	DIR	LOCATION	690.0150 SAWING ASHPALT LF	690.0250 SAWING CONCRETE LF
PROJECT 4650-08-71 CATEGORY 0040						
314+39	-	315+09	LT	STH 96	-	250
101+00	-	102+64	RT	CTH J	365	-
				PROJECT TOTALS	365	250

STEEL CASING PIPE

STRUCTURE	STRUCTURE	SPV.0090.06 42-INCH LF
CATEGORY 0010		
MH 4.0	MH 5.0	50
	PROJECT TOTAL	50

STORM LATERALS

STATION	TO	STATION	OFFSET	LOCATION	SPV.0090.14 STORM LATERAL 4-INCH LF	SPV.0090.16 STORM LATERAL 6-INCH LF
CATEGORY 0010						
239+40			30' LT	STH 55 NB	---	10
				CATEGORY 0010 TOTAL	0	10
CATEGORY 0040						
207+31	-	207+46	LT	STH 55	15	---
208+87	-	208+87	LT	STH 55	20	---
210+51	-	210+51	RT	STH 55	40	---
211+54	-	211+54	LT	STH 55	25	---
212+18	-	212+18	RT	STH 55	35	---
213+17	-	213+17	LT	STH 55	25	---
213+64	-	213+64	RT	STH 55	35	---
214+06	-	214+06	LT	STH 55	25	---
215+03	-	215+03	LT	STH 55	25	---
215+07	-	215+07	RT	STH 55	35	---
216+36	-	216+36	LT	STH 55	25	---
216+41	-	216+41	RT	STH 55	35	---
217+95	-	217+95	LT	STH 55	25	---
226+75	-	227+06	LT	STH 55	35	---
				CATEGORY 0040 TOTAL	400	0
				PROJECT TOTAL	400	10

ADJUSTING SANITARY MANHOLES

STATION	OFFSET	DIR	LOCATION	SPV.0060.08 ADJUSTING SANITARY MANHOLES EA	SPV.0060.09 RECONSTRUCT SANITARY MANHOLES EA
CATEGORY 0040					
215+75	3.6	RT	STH 55 NB	1	-
218+78	6.9	RT	STH 55 NB	1	-
227+00	19.2	LT	STH 55 NB	1	-
234+45	21.8	RT	STH 55 NB	-	1
236+57	19.8	RT	STH 55 NB	1	-
236+58	40.0	LT	STH 55 NB	-	1
239+29	40.9	LT	STH 55 NB	1	-
242+25	40.8	LT	STH 55 NB	1	-
245+19	54.8	LT	STH 55 NB	-	1
248+50	55.5	LT	STH 55 NB	1	-
249+79	57.4	LT	STH 55 NB	-	1
252+70	4.1	RT	STH 55 NB	-	1
253+44	88.3	LT	STH 55 NB	-	1
266+11	66.5	LT	STH 55 NB	1	-
269+34	63.3	LT	STH 55 NB	-	1
38+09	7.5	LT	MALONEY EB	1	-
14+31	11.5	RT	CTH OO EB	1	-
PROJECT TOTALS				10	7

SANITARY SEWER STRUCTURES

STR NUMBER	LOCATION				STR TYPE	SPV.0200.01 SANITARY MANHOLES VF	SPV.0060.04 SANITARY MANHOLE COVER TYPE J-SPECIAL EACH
	STATION	DIST.	DIR	R/L			
CATEGORY 0040							
SAXX1	311+04.0	2.6	RT	96	MH	4.7	1
SAXX2	309+78.0	2.5	RT	96	MH	6.3	1
SAXX3	208+42.0	0.0	LT	55 NB	MH	8	1
SAXX4	207+40.0	0.0	LT	55 NB	MH	6.3	1
					PROJECT TOTALS	25.3	4

SANITARY MANHOLES CHIMNEY SEALS

STATION	OFFSET	DIR	LOCATION	SPV.0060.02 INTERNAL CHIMNEY SEAL 1-PIECE EACH	SPV.0060.03 INTERNAL CHIMNEY SEAL 2-PIECE EACH
CATEGORY 0040					
207+40	0.0	R/L	STH 55	1	-
208+42	0.0	R/L	STH 55	1	-
309+78	2.5	RT	STH 96	1	-
311+04	2.6	RT	STH 96	1	-
215+75	3.6	RT	STH 55 NB	-	1
218+78	6.9	RT	STH 55 NB	-	1
227+00	19.2	LT	STH 55 NB	-	1
234+45	21.8	RT	STH 55 NB	1	-
236+57	19.8	RT	STH 55 NB	-	1
236+58	40.0	LT	STH 55 NB	1	-
239+29	40.9	LT	STH 55 NB	-	1
242+25	40.8	LT	STH 55 NB	-	1
245+19	54.8	LT	STH 55 NB	1	-
248+50	55.5	LT	STH 55 NB	-	1
249+79	57.4	LT	STH 55 NB	1	-
252+70	4.1	RT	STH 55 NB	1	-
253+44	88.3	LT	STH 55 NB	1	-
266+11	66.5	LT	STH 55 NB	-	1
269+34	63.3	LT	STH 55 NB	1	-
38+09	7.5	LT	MALONEY EB	-	1
14+31	11.5	RT	CTH OO EB	-	1
			PROJECT TOTAL	11	10

SANITARY PIPE

STRUCTURE	STRUCTURE	SPV.0060.05 STANDARD SANITARY PIPE CONNECTION EA	SPV.0090.12 8-IN SANITARY PVC PIPE LF
CATEGORY 0040			
SAXX 1	SAXX 2	-	115
SAXX 2	SA 246	1	265
SAXX 2	SAXX 3	-	125
SAXX 3	EX. MH	1	395
PROJECT TOTALS		2	900

CONCRETE JOINT SEALING

STATION	TO	STATION	LOCATION	SPV.0180.04 CONCRETE JOINT SEALING SY
PROJECT 4650-08-71 CATEGORY 0010				
207+30	-	209+74	STH 55	790
209+74	-	222+64	STH 55	6,610
224+02	-	247+84	STH 55	15,040
249+62	-	253+57	STH 55	3,180
255+35	-	260+00	STH 55	2,360
262+04	-	270+63	STH 55	4,540
21+42	-	22+00	DESNOYER ST.	200
12+66	-	18+39	CTH OO (HYLAND AVE) WEST LEG	3,880
19+90	-	26+27	CTH OO (HYLAND AVE) EAST LEG	2,780
100+00	-	101+00	CTH J (LAWE ST.)	450
50+66	-	51+75	BADGER RD.	460
51+75		52+50	BADGER RD.	330
309+81	-	314+14	STH 96 (PLANK RD)	2,420
60+00	-	63+14	CTH OO RAB	1,150
29+53	-	34+02	GERTURDE RD	2,310
36+03	-	40+56	MALONEY RD	2,700
70+00	-	74+08	MALONEY/STH 55 R-A-B	1,980
1121+30	-	1125+00	USH 41 NB OFF RAMP RT TURN LN.	670
1200+50	-	1204+37	USH 41 NB ON RAMP	290
1123+21	-	1127+51	USH 41 SB OFF RAMP RT TURN LN.	740
1116+41	-	1122+82	USH 41 SB ON RAMP	520
80+00	-	84+08	IH 41 NB R-A-B	2,130
90+00	-	94+40	IH 41 SB R-A-B	1,740
			PROJECT TOTALS	57,270

SANITARY PIPE LATERALS

STATION	DIR	LOCATION	SPV.0060.06 SANITARY WYE 8-INCH MAIN EA	SPV.0090.13 SANITARY PIPE LATERALS LF
CATEGORY 0040				
208+32	LT	STH 55	1	30
310+60	RT	STH 96	1	75
100+54	LT	CTH J	1	45
100+84	RT	CTH J	1	15
101+11	LT	CTH J	1	45
101+78	LT	CTH J	1	45
102+43	RT	CTH J	1	15
102+52	LT	CTH J	1	45
		PROJECT TOTALS	8	315

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TEMPORARY PEDESTRIAN FACILITIES

STAGE	LOCATION	644.1410.S TEMPORARY PEDESTRIAN SURFACE ASPHALT SF	644.1601.S TEMPORARY CURB RAMP EACH	644.1616.S TEMPORARY PEDESTRIAN SAFETY FENCE LF
PROJECT 4650-08-71 CATEGORY 0010				
1	STH 55 (DELANGLADE), CTH J - OVIATT ST	1650	2	--
	OVIATT ST	300	8	200
	DESNOYER ST	300	8	200
	BLACKWELL ST			
2	STH 96 (PLANK ROAD)	2550	2	150
	CTH J (LAWE ST)	50	2	200
	STH 55 (DELANGLADE)	50	2	100
	TOTALS	4,900	24	850

REMOVING PAVEMENT MARKINGS

STATION	TO	STATION	LOCATION	646.9000 MARKING LINE REMOVAL 4-INCH LF	
PROJECT 4650-08-71 CATEGORY 0010					
205+60	-	207+05	STH 55 (LAWE ST)	31	SKIP DASH
1104+75	-	1112+10	IH 41 NB EXIT RAMP	735	EDGE LINE
1101+50	-	1107+60	IH 41 SB ON RAMP	610	EDGE LINE
1132+40	-	1135+00	IH 41 SB EXIT RAMP	65	SKIP DASH
			TOTALS	1,441	

TEMPORARY PAVEMENT MARKING

STAGE	LOCATION	649.0150 TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE) LF	(YELLOW) LF
PROJECT 4650-08-71 CATEGORY 0010			
1	STH 55 (LAWE ST)	--	180
3	IH 41 NB EXIT RAMP	400	--
3	IH 41 SB EXIT RAMP	300	--
	TOTALS	880	

REMOVING CONCRETE BASES

LOCATION	204.0195 REMOVING CONCRETE BASES EACH
PROJECT 4650-08-71 CATEGORY 0010	
STH 55 AND IH 41 NB ON RAMP	4
STH 55 AND IH 41 SB ON RAMP	2
STH 55 AND CTH OO	2
LAWE ST RR CROSSING	1
DELANGLADE SR RR CROSSING	2
PROJECT TOTAL	11

REMOVE PULL BOXES

STATION	DIR	LOCATION	653.0905 REMOVING PULL BOXES EA
PROJECT 4650-08-71 CATEGORY 0010			
222+72	RT	STH 55	1
222+57	LT	STH 55	1
223+65	RT	STH 55	1
224+17	LT	STH 55	1
		PROJECT TOTAL	4

REMOVE UTILITY POLE

STATION	DIR	LOCATION	204.0205 REMOVING UTILITY POLE EA
PROJECT 4650-08-71 CATEGORY 0010			
222+54	LT	STH 55	1
		PROJECT TOTAL	1

RAMP SOLAR POWERED GATE

LOCATION	204.9060.S.01 REMOVE RAMP GATE SYSTEM EACH	652.0225 CONDUIT RIDGID NONMETALLIC SCHEDULE 40 2-INCH LF*	654.0105 CONCRETE BASES TYPE 5 EACH*	654.0220 CONCRETE CONTROL CABINET BASES TYPE 10 EACH	657.0100 PEDESTAL BASES EACH*	657.0255 TRANSFORMER BASE BREAKAWAY 11 1/2-INCH BOLT CIRCLE EACH*	657.0425 TRAFFIC SIGNAL STANDARDS ALUMINUM 15-FT EACH*	662.2024.S RAMP CLOSURE GATES SOLAR 24-FT EACH	662.2040.S RAMP CLOSURE GATES SOLAR 40-FT EACH
PROJECT 4650-08-71 CATEGORY 0010									
STH 55 AND IH 41 NB ON-RAMP	2	150	2	1	1	2	1	1	1
STH 55 AND IH 41 SB ON-RAMP	1	120	2	1	1	2	1	1	1
PROJECT TOTALS	3	270*	4*	2	2*	4*	2*	2	2

*ADDITIONAL QUANTITY LOCATED IN LIGHTING AND TRAFFIC SIGNAL TABLES

MANAGEMENT OF PETROLEUM-CONTAMINATED SOIL AND GROUNDWATER

STATION	-	STATION	ROADWAY	LOCATION	SPV.0195.01 TON
PROJECT 4650-08-71 CATEGORY 0040					
311+00	-	312+50	STH 96	ROADWAY / STORM SEWER	600
311+00	-	312+50	STH 96	SANITARY SEWER	150
				PROJECT TOTAL	750

STREET SWEEPING

	SPV.0075.01 STREET SWEEPING HRS
CATEGORY 0010	
PROJECT	100
PROJECT TOTAL	100

ROUNDABOUT CONCRETE ITEMS

STATION	602.0410* CONCRETE SIDEWALK 5-INCH SF	405.1000 STAMPING COLORED CONCRETE CY
PROJECT 4650-08-71 CATEGORY 0030		
STH 55/CTH 00 RAB	1,600	25
STH 55/MALONEY RAB	2,670	40
STH 55/IH 41 NB RAB	1,740	27
STH 55/ IH 41 SB RAB	2,520	39
PROJECT TOTALS	8,530	130

*ADDITIONAL QUANTIES SHOWN IN CONCRETE SIDEWALK TABLE FOR CAT 0010 & 0020

COVER PLATES TEMPORARY

	SPV.0060.21 COVER PLATES TEMPORARY EA
CATEGORY 0010	
MALONEY RD.PAVING ACCESS	4
PROJECT TOTAL	4

BACKFILL RAILROAD SPECIAL

LOCATION	SPV.0195.02 TON
PROJECT 4650-08-71	
CATEGORY 0010	
LAWE ST RR CROSSING	450
PROJECT TOTAL	450

ROUNDABOUT PLANTING ITEMS

STATION	632.901 LANDSCAPING PLANTING SURVEILLANCE & CARE CYCLES EA	SPV.0180.05 SHREDDED HARDWOOD BARK MULCH SY	SPV.0035.01 PLANTING MIXTURE CY	SPV.0060.15 DAYLILLIES STELLA D'ORO EACH	632.0201.01 SEA GREEN JUNIPER EACH	632.0201.02 LARGE PYRAMIDAL JUNIPER WITCHITA BLUE EACH	632.0101.01 ROYAL RAINDROPS EACH	632.0201.03 SUMMERWINE NINEBARK EACH	632.0201.04 JUNIPER ANDORRA COMPACTA EACH	632.0101.02 JAPANESE LILAC TREE IVORY SILK EACH	SPV.0060.16 KARL FOERSTER EACH	632.0201.05 IVORY HALO DOGWOOD EACH	SPV.0060.17 PURPLE DOME ASTERS EACH	632.0101.03 CLEVELAND SELECT EACH
PROJECT 4650-08-71 CATEGORY 0030														
STH 55/CTH 00 RAB	---	220	150	33	6	---	---	---	---	---	15	9	69	3
STH 55/MALONEY RAB	---	545	360	24	---	---	---	---	6	3	15	3	51	---
STH 55/IH 41 NB RAB	---	415	280	21	6	3	3	9	---	---	---	---	---	---
STH 55/ IH 41 SB RAB	---	450	300	21	6	3	3	9	---	---	---	---	---	---
UNDISTRIBUTED	24	---	---	---	---	---	---	---	---	---	---	---	---	---
PROJECT TOTALS	24	1,630	1,090	99	18	6	6	18	6	3	30	12	120	3

TELEVISING STORM SEWER

	SPV.0090.15 LF
CATEGORY 0010	
PROJECT	7,892
PROJECT TOTAL	7,892

SALVAGE BRICK PAVERS

LOCATION	SPV.0165.04 SF
CATEGORY 0010	
STA 39+10, 36' LT, MALONEY	16
PROJECT TOTAL	16

CPM PROGRESS SCHEDULE

	SPV.0060.18 BASELINE CPM PROGRESS SCHEDULE EA	SPV.0060.19 CPM PROGRESS SCHEDULE AND ACCEPTED REVISIONS EA
CATEGORY 0010		
PROJECT	1	2
PROJECT TOTAL	1	2

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TRAFFIC CONTROL DETOUR SIGN SUMMARY

SIGN NO.	LOCATION	SIGN CODE	SIZE W X H	NUMBER IN SERVICE	APPROX. SERVICE PERIOD 110 DAYS	643.0900 SIGNS DAYS	643.0420 BARRICADES TYPE III DAYS	643.0705 WARNING LIGHTS TYPE A DAYS	643.1050 SIGNS PORTABLE CHANGEABLE MESSAGE DAYS	643.1000 SIGNS FIXED MESSAGE S.F.	NO OF CYCLES	643.0910 COVERING SIGNS TYPE I EACH	643.0920 COVERING SIGNS TYPE II EACH	REMARKS
	STAGE 1 (GERTRUDE ST/MALONEY RD TO LAWE ST - CLOSED)													
1	1000' S OF TYPE 1 (J; KAUKAUNA; 1 MILE - EXIT 150) ON HWY 41 (SB)	FMS	14'-0"x7'-0"	1						98.0				SEE SIGN DETAIL
2	ACROSS FROM SIGN # 1 (MEDIAN SIDE)	FMS	14'-0"x7'-0"	1						98.0				SEE SIGN DETAIL
3	1000' N OF TYPE 1 (J; KAUKAUNA; 3/4 MILE - EXIT 150) ON HWY 41 (NB)	FMS	14'-0"x7'-0"	1						98.0				SEE SIGN DETAIL
4	ACROSS FROM SIGN # 3 (MEDIAN SIDE)	FMS	14'-0"x7'-0"	1						98.0				SEE SIGN DETAIL
5	MODIFY J2-2 (N-55-AH LT; S-55-AH RT) ON HWY 41 NB EXIT RAMP TO HWY 55	MO 4-8	24"x12"	1	110	110								
	"	M 3-3	EXISTING											
	"	M 1-6	EXISTING											55
	"	MO 5-1-L	21"x21"	1	110	110								
6	D1-3 (LT-FREEDOM/SEYMOUR; KAUKAUNA-RT) ON HWY 41 NB EXIT RAMP TO HWY 55										1		1	KAUKAUNA-RIGHT
7	J 3-2 (N-55-LT; S-55-RT) ON HWY 41 NB EXIT RAMP TO HWY 55										1		1	SOUTH-55-RIGHT
8	LT OF R1-1 (STOP SIGN - LEFT SIDE) ON HWY 41 NB EXIT RAMP TO HWY 55	MO 4-8	24"x12"	1	110	110								
	"	M 3-3	24"x12"	1	110	110								
	"	M 1-6	24"x24"	1	110	110								55
	"	MO 6-1	21"x21"	1	110	110								LEFT
9	SW QUAD OF NB EXIT RAMP & HWY 55 INTERSECTION	R 11-3	60"x30"	1	110	110	110	220						1/2 MILE
10	BELOW SIGN # 9		6'-6"x2'-0"	1	110	110								SEE SIGN DETAIL
11	LT OF D 1-1 (LT-OSHKOSH/MILWAUKEE) ON HWY 55 (NB)	MO 4-8	24"x12"	1	110	110								
	"	M 3-3	24"x12"	1	110	110								
	"	M 1-6	24"x24"	1	110	110								55
	"	MO 6-1	21"x21"	1	110	110								AHEAD
12	MODIFY J2-2 (S-55-AH LT; N-55-AH RT) ON HWY 41 SB EXIT RAMP TO HWY 55	MO 4-8	24"x12"	1	110	110								
	"	M 3-3	EXISTING											
	"	M 1-6	EXISTING											55
	"	MO 5-1-R	21"x21"	1	110	110								
13	D1-3 (LT-KAUKAUNA; FREEDOM/SEYMOUR-RT) ON HWY 41 SB EXIT RAMP TO HWY 55										1		1	KAUKAUNA-LEFT
14	MODIFY J3-2 (S-55-LT; N-55-RT) ON HWY 41 SB EXIT RAMP TO HWY 55	MO 4-8	24"x12"	1	110	110								
	"	M 3-3	EXISTING											
	"	M 1-6	EXISTING											55
	"	MO 6-1	21"x21"	1	110	110								RIGHT
15	LT OF J 4-1 (N-55) ON HWY 55 (NB)	MO 4-8	24"x12"	1	110	110								
	"	M 3-3	24"x12"	1	110	110								
	"	M 1-6	24"x24"	1	110	110								55
	"	MO 6-1	21"x21"	1	110	110								AHEAD
16	500' S OF SIGN # 17 ON HWY 55 (NB)	MO 4-8	24"x12"	1	110	110								
	"	M 3-3	24"x12"	1	110	110								
	"	M 1-6	24"x24"	1	110	110								55
	"	MO 5-1-R	21"x21"	1	110	110								
17	LT OF J 13-1 (JJ LT & RT) ON HWY 55 (NB-NEAR RT)	MO 4-8	24"x12"	1	110	110								
	"	M 3-3	24"x12"	1	110	110								
	"	M 1-6	24"x24"	1	110	110								55
	"	MO 6-1	21"x21"	1	110	110								RIGHT
18	BACKSIDE OF SIGN # 17 ON HWY 55 (SB-FAR LT)	MO 4-8	24"x12"	1	110	110								
	"	M 3-3	24"x12"	1	110	110								
	"	M 1-6	24"x24"	1	110	110								55
	"	MO 6-1	21"x21"	1	110	110								LEFT
	PAGE SUBTOTALS			36		3,520	110	220	0	392		0	3	

PLAN SHEET PRODUCED

BY WisDOT - NE REGION

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TRAFFIC CONTROL DETOUR SIGN SUMMARY

SIGN NO.	LOCATION	SIGN CODE	SIZE W X H	NUMBER IN SERVICE	APPROX. SERVICE PERIOD 110 DAYS	643.0900 SIGNS DAYS	643.0420 BARRICADES TYPE III DAYS	643.0705 WARNING LIGHTS TYPE A DAYS	643.1050 SIGNS PORTABLE CHANGEABLE MESSAGE DAYS	643.1000 SIGNS FIXED MESSAGE S.F.	NO OF CYCLES	643.0910 COVERING SIGNS TYPE I EACH	643.0920 COVERING SIGNS TYPE II EACH	REMARKS
19	LT OF J 13-2 (JJ LT & RT; CC-RT) ON HWY 55 (SB-FAR LT)	MO 4-8	24"x12"	1	110	110								
	"	M 3-3	24"x12"	1	110	110								
	"	M 1-6	24"x24"	1	110	110								55
	"	MO 6-1	21"x21"	1	110	110								RIGHT
20	BACKSIDE OF SIGN # 19 ON HWY 55 (SB-NEAR RT)	MO 4-8	24"x12"	1	110	110								
	"	M 3-3	24"x12"	1	110	110								
	"	M 1-6	24"x24"	1	110	110								55
	"	MO 6-1	21"x21"	1	110	110								LEFT
21	J4-1 (S-55)										1		1	SOUTH 55
22	500' N OF SIGN # 20 ON HWY 55 (SB)	MO 4-8	24"x12"	1	110	110								
	"	M 3-3	24"x12"	1	110	110								
	"	M 1-6	24"x24"	1	110	110								55
	"	MO 5-1-L	21"x21"	1	110	110								
23	500' N OF SIGN # 22 ON HWY 55 (SB)	WO 20-2-A	48"x48"	1	110	110								
24	SW QUAD OF HWY 55 & CTY JJ INTERSECTION	R 11-3	60"x30"	1	110	110	110	220						1 1/2 MILES
25	BELOW SIGN # 24	MO 4-9-L	30"x24"	1	110	110								
26	MODIFY J 13-2 (55-LT & RT; JJ-AH) ON CTY JJ (WB)	M 1-6	EXISTING											55
	"	MO 6-1	21"x21"	1	110	110								RIGHT
27	250' E OF STH 55 INTERSECTION ON CTY JJ (EB)	MO 4-8	24"x12"	1	110	110								
	"	M 3-3	24"x12"	1	110	110								
	"	M 1-6	24"x24"	1	110	110								55
	"	MO 6-1	21"x21"	1	110	110								AHEAD
28	MODIFY J1-1 (JCT 55) ON CTY JJ (WB)	MO 4-8-A	24"x18"	1	110	110								
	"	M 1-6	EXISTING											55
29	250' W OF WEYERS RD INTERSECTION ON CTY JJ (WB)	MO 4-8	24"x12"	1	110	110								
	"	M 3-1	24"x12"	1	110	110								
	"	M 1-6	24"x24"	1	110	110								55
	"	MO 6-1	21"x21"	1	110	110								AHEAD
30	250' E OF WEYERS RD INTERSECTION ON CTY JJ (EB)	MO 4-8	24"x12"	1	110	110								
	"	M 3-3	24"x12"	1	110	110								
	"	M 1-6	24"x24"	1	110	110								55
	"	MO 6-1	21"x21"	1	110	110								AHEAD
31	500' W OF SIGN # 33 ON CTY JJ (EB)	MO 4-8	24"x12"	1	110	110								
	"	M 3-3	24"x12"	1	110	110								
	"	M 1-6	24"x24"	1	110	110								55
	"	MO 5-1-R	21"x21"	1	110	110								
32	250' W OF CTY J INTERSECTION ON CTY JJ (WB)	MO 4-8	24"x12"	1	110	110								
	"	M 3-1	24"x12"	1	110	110								
	"	M 1-6	24"x24"	1	110	110								55
	"	MO 6-1	21"x21"	1	110	110								AHEAD
33	LT OF J 13-1 (J LT & RT) ON CTY JJ (EB-NEAR RT)	MO 4-8	24"x12"	1	110	110								
	"	M 3-3	24"x12"	1	110	110								
	"	M 1-6	24"x24"	1	110	110								55
	"	MO 6-1	21"x21"	1	110	110								RIGHT
34	BACKSIDE OF J 13-1 (J LT & RT) ON CTY JJ (WB-FAR LT)	MO 4-8	24"x12"	1	110	110								
	"	M 3-3	24"x12"	1	110	110								
	"	M 1-6	24"x24"	1	110	110								55
	"	MO 6-1	21"x21"	1	110	110								RIGHT
	PAGE SUBTOTALS			45		4,950	110	220	0	0		0	1	

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BY WisDOT - NE REGION

TRAFFIC CONTROL DETOUR SIGN SUMMARY

SIGN NO.	LOCATION	SIGN CODE	SIZE W X H	NUMBER IN SERVICE	APPROX. SERVICE PERIOD 110 DAYS	643.0900 SIGNS DAYS	643.0420 BARRICADES TYPE III DAYS	643.0705 WARNING LIGHTS TYPE A DAYS	643.1050 SIGNS PORTABLE CHANGEABLE MESSAGE DAYS	643.1000 SIGNS FIXED MESSAGE S.F.	NO OF CYCLES	643.0910 COVERING SIGNS TYPE I EACH	643.0920 COVERING SIGNS TYPE II EACH	REMARKS
35	BACKSIDE OF J 13-1 (JJ LT & RT) ON CTY J (SB-FAR LT)	MO 4-8	24"x12"	1	110	110								
	"	M 3-1	24"x12"	1	110	110								
	"	M 1-6	24"x24"	1	110	110								55
	"	MO 6-1	21"x21"	1	110	110								LEFT
36	LT OF J 13-1 (JJ LT & RT) ON CTY J (NB-NEAR RT)	MO 4-8	24"x12"	1	110	110								
	"	M 3-1	24"x12"	1	110	110								
	"	M 1-6	24"x24"	1	110	110								55
	"	MO 6-1	21"x21"	1	110	110								LEFT
37	250 ' S OF CTY JJ INTERSECTION ON CTY J (SB)	MO 4-8	24"x12"	1	110	110								
	"	M 3-3	24"x12"	1	110	110								
	"	M 1-6	24"x24"	1	110	110								55
	"	MO 6-1	21"x21"	1	110	110								AHEAD
38	LT OF J1-1 (JCT JJ) ON CTY J (NB)	MO 4-8	24"x12"	1	110	110								
	"	M 3-1	24"x12"	1	110	110								
	"	M 1-6	24"x24"	1	110	110								55
	"	MO 5-1-L	21"x21"	1	110	110								
39	LT OF D1-3 (AH-KAUKAUNA/GREEN BAY; MILWAUKEE-LT) ON CTY J (SB)	MO 4-8	24"x12"	1	110	110								
	"	M 3-3	24"x12"	1	110	110								
	"	M 1-6	24"x24"	1	110	110								55
	"	MO 6-1	21"x21"	1	110	110								AHEAD
40	ABOVE D1-2 (TILT LT-SOUTH 41; J-TILT RT) ON CTY J (NB) NORTH SPLITTER ISLAND-NORTH RAB	MO 4-8	24"x12"	2	110	220								
	"	M 3-3	24"x12"	1	110	110								
		M 3-1	24"x12"	1	110	110								
	"	M 50-2	48"x24"	1	110	110								55-55
	"	MO 6-2	21"x21"	1	110	110								LEFT
	"	MO 6-2	21"x21"	1	110	110								RIGHT
41	RT OF R 1-2 (YIELD SIGN) ON HWY 41 (SB) EXIT RAMP TO CTY J RT SIDE	MO 4-8	24"x12"	2	110	220								
	"	M 3-3	24"x12"	1	110	110								
		M 3-1	24"x12"	1	110	110								
	"	M 50-2	48"x24"	1	110	110								55-55
	"	MO 6-1	21"x21"	1	110	110								LEFT
	"	MO 6-1	21"x21"	1	110	110								RIGHT
42	100' W OF D1-1 (ROUND-A-BOUT: LT- J/KAUKAUNA; J) ON 41 SB EXIT RAMP TO CTY J	MO 4-8	24"x12"	2	110	220								
	"	M 3-3	24"x12"	1	110	110								
		M 3-1	24"x12"	1	110	110								
	"	M 50-2	48"x24"	1	110	110								55-55
	"	MO 5-1-L	21"x21"	1	110	110								
	"	MO 5-1-R	21"x21"	1	110	110								
43	ABOVE D1-2 (NORTH-41; J-TILT RT) ON CTY J (SB) SOUTH SPLITTER ISLAND-NORTH RAB	MO 4-8	24"x12"	1	110	110								
	"	M 3-3	24"x12"	1	110	110								
	"	M 1-6	24"x24"	1	110	110								55
	"	MO 6-2	21"x21"	1	110	110								RIGHT
44	ABOVE D1-2 (SOUTH-41; J-TILT RT) ON CTY J (NB) NORTH SPLITTER ISLAND-SOUTH RAB	MO 4-8	24"x12"	1	110	110								
	"	M 3-1	24"x12"	1	110	110								
	"	M 1-6	24"x24"	1	110	110								55
	"	MO 6-2	21"x21"	1	110	110								RIGHT
	PAGE SUBTOTALS			49		5,390	0	0	0	0		0	0	

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BY WisDOT - NE REGION

TRAFFIC CONTROL DETOUR SIGN SUMMARY

SIGN NO.	LOCATION	SIGN CODE	SIZE W X H	NUMBER IN SERVICE	APPROX. SERVICE PERIOD 110 DAYS	643.0900 SIGNS DAYS	643.0420 BARRICADES TYPE III DAYS	643.0705 WARNING LIGHTS TYPE A DAYS	643.1050 SIGNS PORTABLE CHANGEABLE MESSAGE DAYS	643.1000 SIGNS FIXED MESSAGE S.F.	NO OF CYCLES	643.0910 COVERING SIGNS TYPE I EACH	643.0920 COVERING SIGNS TYPE II EACH	REMARKS
45	100' E OF D1-1 (ROUND-A-BOUT: LT- J; J-KAUKAUNA-RT) ON 41 NB EXIT RAMP TO CTY J	M0 4-8	24"x12"	2	110	220								
	"	M 3-1	24"x12"	1	110	110								
		M 3-3	24"x12"	1	110	110								
	"	M 50-2	48"x24"	1	110	110								55-55
	"	M0 5-1-L	21"x21"	1	110	110								
	"	M0 5-1-R	21"x21"	1	110	110								
46	RT OF R 1-2 (YIELD SIGN) ON HWY 41 (SB) EXIT RAMP TO CTY J RT SIDE	M0 4-8	24"x12"	2	110	220								
	"	M 3-1	24"x12"	1	110	110								
		M 3-3	24"x12"	1	110	110								
	"	M 50-2	48"x24"	1	110	110								55-55
	"	M0 6-1	21"x21"	1	110	110								LEFT
	"	M0 6-1	21"x21"	1	110	110								RIGHT
47	ABOVE D1-2 (TILT RT-41-NORTH; J-TILT RT) ON CTY J (SB) SOUTH SPLITTER ISLAND-SOUTH RAB	M0 4-8	24"x12"	2	110	220								
	"	M 3-1	24"x12"	1	110	110								
		M 3-3	24"x12"	1	110	110								
	"	M 50-2	48"x24"	1	110	110								55-55
	"	M0 6-2	21"x21"	1	110	110								LEFT
	"	M0 6-2	21"x21"	1	110	110								RIGHT
48	LT OF J1-1 (JCT 41) ON CTY J (NB)	M0 4-8	24"x12"	1	110	110								
	"	M 3-1	24"x12"	1	110	110								
	"	M 1-6	24"x24"	1	110	110								55
	"	M0 6-1	21"x21"	1	110	110								AHEAD
49	LT OF W 10-1 (RAILROAD CROSSING) ON CTY J (SB)	M0 4-8	24"x12"	1	110	110								
	"	M 3-3	24"x12"	1	110	110								
	"	M 1-6	24"x24"	1	110	110								55
	"	M0 6-1	21"x21"	1	110	110								AHEAD
50	NW QUAD OF CTY OO & CTY J INTERSECTION	R 11-3	60"x30"	1	110	110	110	220						1 MILE
51	VACANT													
52	MODIFY J1-3 (JCT 96; JCT 55; END J) ON CTY J (SB)	M0 4-8-A	24"x18"	1	110	110								
	"	M 1-6	EXISTING											55
53	NE QUAD OF STH 55 & CTY J INTERSECTION	R 11-3	60"x30"	1	110	110	110	220						1/4 MILE
54	BELOW SIGN # 53	M0 4-9-	30"x24"	1	110	110								
55	MODIFY J3-2 (N-55-LT; E-96-RT) ON STH 55 (NB)	M0 4-8	24"x12"	1	110	110								
	"	M 3-1	EXISTING											
	"	M 1-6	EXISTING											55
	"	M0 6-1	21"x21"	1	110	110								AHEAD
56A	RT OF CANITILEVER SIGN STRUCTURE ON HWT 55 (NB)	M0 4-8	24"x12"	1	110	110								
	"	M 3-1	24"x12"	1	110	110								
	"	M 1-6	24"x24"	1	110	110								55
	"	M0 6-1	21"x21"	1	110	110								AHEAD
56B	D1-3 (WRIGHTSTOWN-TILT RT; LT-SEYMOUR/GREEN BAY) ON CANTILEVER SIGN STRUCTURE ON HWTY 55 (NB)										1		1	LEFT SEYMOUR/GREENBAY
56C	J23-1 (TO-41-LT) ON CANTILEVER SIGN STRUCTURE ON HWY 55 (NB)										1		1	TO-41-LEFT
56D	R3-5-L (LEFT TURN ONLY) ON CANTILEVER SIGN STRUCTURE ON HWY 55 (NB)										1		1	LEFT TURN ONLY
57	500' W OF SIGN # 56A ON HWY 55 (NB)	WD 20-2-A	48"x48"	1	110	110								
	PAGE SUBTOTALS			40		4,400	220	440	0	0		0	3	

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TRAFFIC CONTROL DETOUR SIGN SUMMARY

SIGN NO.	LOCATION	SIGN CODE	SIZE W X H	NUMBER IN SERVICE	APPROX. SERVICE PERIOD 110 DAYS	643.0900 SIGNS DAYS	643.0420 BARRICADES TYPE III DAYS	643.0705 WARNING LIGHTS TYPE A DAYS	643.1050 SIGNS PORTABLE CHANGEABLE MESSAGE DAYS	643.1000 SIGNS FIXED MESSAGE S.F.	NO OF CYCLES	643.0910 COVERING SIGNS TYPE I EACH	643.0920 COVERING SIGNS TYPE II EACH	REMARKS
58	RT OF STOP SIGN ON HWY 96 (WB) @ HWY 55 INTERSECTION	MO 4-8	24"x12"	1	110	110								
	"	M 3-1	24"x12"	1	110	110								
	"	M 1-6	24"x24"	1	110	110								55
	"	MO 6-1	21"x21"	1	110	110								RIGHT
59	MODIFY J3-2 (TO-41/N-55-TILT RT) ON HWY 96 (WB)	MO 4-8	24"x12"	1	110	110								
	"	M 4-5	EXISTING											
	"	M 1-4	EXISTING											41
	"	M 3-1	EXISTING											
	"	M 1-6	EXISTING											55
		MO 5-1-R	21"x21"	1	110	110								
60	500' E OF SIGN # 59 ON HWY 96 (WB)	M 3-1	24"x12"	1	110	110								
	"	M 1-6	24"x24"	1	110	110								55
	"	WD 20-2-A	48"x48"	1	110	110								
61	FIELD DETERMINED - HWY 55 (NB)			1					7					PRIOR TO CONSRTRUCTION
62	FIELD DETERMINED - HWY 55 (SB)			1					7					PRIOR TO CONSRTRUCTION
	PAGE SUBTOTALS			11		990	0	0	14	0		0	0	
	STAGE 1 SUBTOTALS			**181**		**19,250**	**440**	**880**	**14**	**392**		**0**	***7***	

STAGE 2 (LAWE ST/DELANGLADE ST/PLANK RD INTERSECTION - CLOSED)

					60									
63	I-41 NB OFF-RAMP TO STH 55, PLACE 600' PRIOR TO RAMP INTERSECTION	M 3-3	24"X12"	1	60	60								
	"	M 1-6	24"X24"	1	60	60								55
	"	W 20-2A	48"X48"	1	60	60								
64	I-41 NB OFF-RAMP TO STH 55, PLACE 300' PRIOR TO RAMP INTERSECTION	MO 4-8	24"X12"	1	60	60								
	"	M 3-3	24"X12"	1	60	60								
	"	M 1-6	24"X24"	1	60	60								55
	"	MO 5-1L	21"x21"	1	60	60								
65	I-41 NB OFF-RAMP TO STH 55, PLACE LEFT OF EXISTING STOP SIGN ON LEFT SHOULDER	MO 4-8	24"X12"	1	60	60								
	"	M 3-3	24"X12"	1	60	60								
	"	M 1-6	24"X24"	1	60	60								55
	"	MO 6-1	21"X21"	1	60	60								LEFT
66	STH 55, PLACE IN MEDIAN AT I-41 SB RAMP INTERSECTION, FACING NORTH	R 11-3	60"X30"	1	60	60	60	120						0.2 MILES AHEAD
67	STH 55, N. OF I-41, PLACE LEFT OF EXISTING J4-1 SIGN	MO 4-8	24"X12"	1	60	60								
	"	M 3-3	24"X12"	1	60	60								
	"	M 1-6	24"X24"	1	60	60								55
68	STH 55, S. OF CTH JJ, PLACE 500' S. OF CTH JJ INTERSECTION	MO 4-8	24"X12"	1	60	60								
	"	M 3-3	24"X12"	1	60	60								
	"	M 1-6	24"X24"	1	60	60								55
	"	MO 5-1R	21"X21"	1	60	60								
69	STH 55, AT CTH JJ INTERSECTION, PLACE LEFT OF EXISTING J13-1 SIGN	MO 4-8	24"X12"	1	60	60								
	"	M 3-3	24"X12"	1	60	60								
	"	M 1-6	24"X24"	1	60	60								55
	"	MO 6-1	21"X21"	1	60	60								RIGHT
70	STH 55, AT CTH JJ INTERSECTION, PLACE ON SHOULDER IN SW QUAD, FACING NB	R 11-3	60'X30"	1	60	60								1.6 MILES AHEAD
	"	MO 4-9L	30"X24"	1	60	60								
71	STH 55, N. OF CTH JJ, PLACE 1000' N. OF CTH JJ INTERSECTION	W 20-2A	48"X48"	1	60	60								
72	STH 55, N. OF CTH JJ, PLACE 500' N. OF CTH JJ INTERSECTION	MO 4-8	24"X12"	1	60	60								
	"	M 3-3	24"X12"	1	60	60								
	"	M 1-6	24"X24"	1	60	60								55
	"	MO 5-1L	21"X21"	1	60	60								
	PAGE SUBTOTALS			30		1,800	60	120	0	0		0	0	

PLAN SHEET PRODUCED BY WisDOT - NE REGION

TRAFFIC CONTROL DETOUR SIGN SUMMARY

SIGN NO.	LOCATION	SIGN CODE	SIZE W X H	NUMBER IN SERVICE	APPROX. SERVICE PERIOD 60 DAYS	643.0900 SIGNS DAYS	643.0420 BARRICADES TYPE III DAYS	643.0705 WARNING LIGHTS TYPE A DAYS	643.1050 SIGNS PORTABLE CHANGEABLE MESSAGE DAYS	643.1000 SIGNS FIXED MESSAGE S.F.	NO OF CYCLES	643.0910 COVERING SIGNS TYPE I EACH	643.0920 COVERING SIGNS TYPE II EACH	REMARKS
73	STH 55, AT CTH JJ INTERSECTION, PLACE LEFT OF EXISTING J13-1 SIGN	MO 4-8	24"X12"	1	60	60								
	"	M 3-3	24"X12"	1	60	60								
	"	M 1-6	24"X24"	1	60	60								55
	"	MO 6-1	21"X21"	1	60	60								LEFT
74	CTH JJ, E. OF STH 55, MODIFY EXISTING J1-1 AS SHOWN	MO 4-8A	24"X18"	1	60	60								
75	500' N J1-1 (JCT JJ) ON STH 96	W20-2-A	48"x48"	1	60	60								
76	LT OF J1-1 (JCT JJ) ON STH 96 (WB)	MO 4-8	24"x12"	1	60	60								
	"	M 3-4	24"x12"	1	60	60								
	"	M 1-6	24"x24"	1	60	60								96
	"	MO 5-1-R	21"x21"	1	60	60								
77	RT OF J3-1 (JJ-RT ARROW) ON HWY 96 (WB)	MO 4-8	24"x12"	1	60	60								
	"	M 3-4	24"x12"	1	60	60								
	"	M 1-6	24"x24"	1	60	60								96
	"	MO 6-1	21"x21"	1	60	60								RIGHT
78A	SW QUAD OF STH 96 & CTH JJ INTERSECTION	R11-3	60"x30"	1	60	60	60	120						3/4 MILE
78B	BELOW SIGN # 78A	MO 4-9-L	30"x24"	1	60	60								
79	MODIFY J3-1 (96-DBL ARROW)	M 1-6	EXISTING											
	"	MO 6-1	21"x21"	1	60	60								LEFT
80	50' W OF CTH JJ & EAST FRONTAGE RD INTERSECTION	MO 4-8	24"x12"	1	60	60								
	"	M 3-4	24"x12"	1	60	60								
	"	M 1-6	24"x24"	1	60	60								96
	"	MO 6-1	21"x21"	1	60	60								AHEAD
81	MODIFY J1-1 (JCT 96)	MO 4-8-A	24"x18"	1	60	60								
	"	M 1-6	EXISTING											
82	100' W OF WEST FRONTAGE RD INTERSECTION ON CTH JJ (WB)	MO 4-8	24"x12"	1	60	60								
	"	M 3-4	24"x12"	1	60	60								
	"	M 1-6	24"x24"	1	60	60								96
	"	MO 6-1	21"x21"	1	60	60								AHEAD
83	RT OF J1-1 (JCT J) ON CTH JJ (WB)	MO 4-8	24"x12"	1	60	60								
	"	M 3-4	24"x12"	1	60	60								
	"	M 1-6	24"x24"	1	60	60								96
	"	MO 5-1-L	21"x21"	1	60	60								
84	RT OF J13-1 (J-DBL ARROW) ON CTH JJ (WB-NEAR RT)	MO 4-8	24"x12"	1	60	60								
	"	M 3-4	24"x12"	1	60	60								
	"	M 1-6	24"x24"	1	60	60								96
	"	MO 6-1	21"x21"	1	60	60								LEFT
85	CTH JJ, AT CTH J INTERSECTION, PLACE RIGHT OF EXISTING J13-1 SIGN	MO 4-8	24"x12"	1	60	60								
	"	M 3-3	24"x12"	1	60	60								
	"	M 1-6	24"x24"	1	60	60								55
	"	MO 6-1	21"x21"	1	60	60								RIGHT
86	200' S OF CTY JJ INTERSECTION ON CTH J (SB)	MO 4-8	24"x12"	1	60	60								
	"	M 3-3	24"x12"	1	60	60								
	"	M 50-2	48"X24"	1	60	60								55-96
	"	MO 6-1	21"X21"	1	60	60								AHEAD
	"	MO 4-8	24"X12"	1	60	60								
	"	M 3-4	24"x12"	1	60	60								
	"	MO 6-1	21"x21"	1	60	60								AHEAD
87	200' E OF CTY J INTERSECTION ON CTH JJ (EB)	MO 4-8	24"x12"	1	60	60								
	"	M 3-2	24"x12"	1	60	60								
	"	M 1-6	24"x24"	1	60	60								96
	"	MO 6-1	21"x21"	1	60	60								AHEAD
88	BACKSIDE OF J13-1 (JJ-DBL ARROW) ON CTH J (SB-FAR LT)	MO 4-8	24"x12"	1	60	60								
	"	M 3-2	24"x12"	1	60	60								
	"	M 1-6	24"x24"	1	60	60								96
	"	MO 6-1	21"x21"	1	60	60								RIGHT
	PAGE SUBTOTALS			53		3,180	60	120	0	0		0	0	

PLAN SHEET PRODUCED BY WisDOT - NE REGION

TRAFFIC CONTROL DETOUR SIGN SUMMARY

SIGN NO.	LOCATION	SIGN CODE	SIZE W X H	NUMBER IN SERVICE	APPROX. SERVICE PERIOD 60 DAYS	643.0900 SIGNS DAYS	643.0420 BARRICADES TYPE III DAYS	643.0705 WARNING LIGHTS TYPE A DAYS	643.1050 SIGNS PORTABLE CHANGEABLE MESSAGE DAYS	643.1000 SIGNS FIXED MESSAGE S.F.	NO OF CYCLES	643.0910 COVERING SIGNS TYPE I EACH	643.0920 COVERING SIGNS TYPE II EACH	REMARKS
89	RT OF J13-1 (JJ-DBL ARROW) ON CTH JJ (NB-NEAR RT)	MO 4-8	24"x12"	1	60	60								
	"	M 3-1	24"x12"	1	60	60								
	"	M 50-2	48"X24"	1	60	60								55-96
	"	MO 6-1	21"X21"	1	60	60								LEFT
	"	MO 4-8	24"X12"	1	60	60								
	"	M 3-2	24"x24"	1	60	60								
	"	MO 6-1	21"x21"	1	60	60								RIGHT
90	RT OF J1-1 (JCT JJ) ON CTY J (NB)	MO 4-8	24"x12"	1	60	60								
	"	M 3-1	24"x12"	1	60	60								
	"	M 50-2	48"X24"	1	60	60								55-96
	"	MO 5-1L	21"X21"	1	60	60								
	"	MO 4-8	24"X12"	1	60	60								
	"	M 3-2	24"x12"	1	60	60								
	"	MO 5-1R	21"x21"	1	60	60								
91	RT OF D1-3 (AH-KAUKAUNA/GREEN BAY; MILWAUKEE-LT) ON CTY J (SB)	MO 4-8	24"x12"	1	60	60								
	"	M 3-4	24"x12"	1	60	60								
	"	M 50-2	48"X24"	1	60	60								96-55
	"	MO 6-1	21"X21"	1	60	60								AHEAD
	"	MO 4-8	24"X12"	1	60	60								
	"	M 3-1	24"x12"	1	60	60								
	"	MO 6-1	21"x21"	1	60	60								AHEAD
92	100' N. OF I-41 SB RAMP INTERSECTION ROUNDABOUT ON CTY J (NB)	MO 4-8	24"x12"	1	60	60								
	"	M 3-2	24"x12"	1	60	60								
	"	M 50-2	48"x24"	1	60	60								96-55
	"	MO 6-1	21"X21"	1	60	60								AHEAD
	"	MO 4-8	24"X12"	1	60	60								
	"	M 3-1	24"X12"	1	60	60								
	"	MO 6-1	21"x21"	1	60	60								AHEAD
93	65' N. OF I-41 NB RAMP INTERSECTION ROUNDABOUT ON CTY J (SB)	MO 4-8	24"x12"	1	60	60								
	"	M 3-4	24"x12"	1	60	60								
	"	M 50-2	48"x24"	1	60	60								96-55
	"	MO 6-1	21"X21"	1	60	60								AHEAD
	"	MO 4-8	24"X12"	1	60	60								
	"	M 3-3	24"X12"	1	60	60								
	"	MO 6-1	21"x21"	1	60	60								AHEAD
94	65' S. OF I-41 SB RAMP INTERSECTION ROUNDABOUT ON CTY J (NB)	MO 4-8	24"x12"	1	60	60								
	"	M 3-2	24"x12"	1	60	60								
	"	M 50-2	48"x24"	1	60	60								96-55
	"	MO 6-1	21"X21"	1	60	60								AHEAD
	"	MO 4-8	24"X12"	1	60	60								
	"	M 3-1	24"X12"	1	60	60								
	"	MO 6-1	21"x21"	1	60	60								AHEAD
95	350' N. OF SIGN # 97 ON CTY J (SB)	MO 4-8	24"x12"	1	60	60								
	"	M 3-4	24"x12"	1	60	60								
	"	M 50-2	48"x24"	1	60	60								96-55
	"	MO 5-1R	21"X21"	1	60	60								
	"	MO 4-8	24"X12"	1	60	60								
	"	M 3-3	24"X12"	1	60	60								
	"	MO 5-1R	21"x21"	1	60	60								
95A	150' S. OF I-41 NB RAMP INTERSECTION ROUNDABOUT ON CTY J (NB)	MO 4-8	24"x12"	1	60	60								
	"	M 3-2	24"X12"	1	60	60								
	"	M 50-2	48"X24"	1	60	60								95-55
	"	MO 6-1	21"X21"	1	60	60								AHEAD
	"	MO 4-8	24"X12"	1	60	60								
	"	M 3-1	24"X12"	1	60	60								
	"	MO 6-1	21"X21"	1	60	60								AHEAD
	PAGE SUBTOTALS			56		3,360	0	0	0	0		0	0	

PLAN SHEET PRODUCED BY WisDOT - NE REGION

TRAFFIC CONTROL DETOUR SIGN SUMMARY

SIGN NO.	LOCATION	SIGN CODE	SIZE W X H	NUMBER IN SERVICE	APPROX. SERVICE PERIOD 60 DAYS	643.0900 SIGNS DAYS	643.0420 BARRICADES TYPE III DAYS	643.0705 WARNING LIGHTS TYPE A DAYS	643.1050 SIGNS PORTABLE CHANGEABLE MESSAGE DAYS	643.1000 SIGNS FIXED MESSAGE S.F.	NO OF CYCLES	643.0910 COVERING SIGNS TYPE I EACH	643.0920 COVERING SIGNS TYPE II EACH	REMARKS
96	100' N. OF CTY OO INTERSECTION ON CTY J (NB)	MO 4-8	24"x12"	1	60	60								
	"	M 3-2	24"x12"	1	60	60								
	"	M 50-2	48"x24"	1	60	60								96-55
	"	MO 6-1	21"X21"	1	60	60								AHEAD
	"	MO 4-8	24"X12"	1	60	60								
	"	M 3-1	24"X12"	1	60	60								
	"	MO 6-1	21"x21"	1	60	60								AHEAD
97	100' N. OF CTY OO INTERSECTION ON CTY J (SB)	MO 4-8	24"x12"	1	60	60								
	"	M 3-4	24"x12"	1	60	60								
	"	M 50-2	48"x24"	1	60	60								96-55
	"	MO 6-1	21"X21"	1	60	60								RIGHT
	"	MO 4-8	24"X12"	1	60	60								
	"	M 3-3	24"x12"	1	60	60								
	"	MO 6-1	21"x21"	1	60	60								RIGHT
98	RT OF R1-1 (STOP SIGN) @ CTY OO INTERSECTION ON CTY J (NB-FAR LT)	MO 4-8	24"x12"	1	60	60								
	"	M 3-4	24"x12"	1	60	60								
	"	M 1-6	24"x24"	1	60	60								96
	"	MO 6-1	21"x21"	1	60	60								RIGHT
99	PLACE ON FRONT SIDE OF EXISTING R5-1 ON I-41 SB RAMP PRIOR TO ROUNDABOUT	MO 4-8	24"x12"	1	60	60								
	"	M 3-3	24"x12"	1	60	60								
	"	M 1-6	24"x24"	1	60	60								55
	"	MO 6-1	21"x21"	1	60	60								LEFT
99A	PLACE ON FRONT SIDE OF EXISTING R5-1A ON I-41 SB RAMP PRIOR TO ROUNDABOUT ON LEFT SIDE	MO 4-8	24"X12"	1	60	60								
	"	M 3-3	24"X12"	1	60	60								
	"	M 1-6	24"X24"	1	60	60								55
	"	MO 5-1L	21"X21"	1	60	60								
99B	I-41 SB, PLACE LEFT OF EXISTING TYPE I SIGN AT RAMP DIVERGE	MO 4-8	36"X18"	1	60	60								
	"	M 3-3	36"X18"	1	60	60								
	"	M 1-6	36"X36"	1	60	60								55
	"	MO 6-2	30"X30"	1	60	60								TILT RIGHT
99C	I-41 SB, PLACE 1/4 MILE N. OF CTH JJ OFF-RAMP	MO 4-8	36"X18"	1	60	60								
	"	M 3-3	36"X18"	1	60	60								
	"	M 1-6	36"X36"	1	60	60								55
	"	MO 5-2R	30"X30"	1	60	60								
99D	I-41 SB, PLACE 1/2 MILE N. OF CTH JJ OFF-RAMP	M 3-3	36"X18"	1	60	60								
	"	M 1-6	36"X36"	1	60	60								55
	"	W 20-2A	48"X48"	1	60	60								
100	RT OF J23-2 (TO-41-LT; J LT & RT) ON CTY OO (EB-NEAR RT)	MO 4-8	24"x12"	1	60	60								
	"	M 3-2	24"x12"	1	60	60								
	"	M 1-6	24"x24"	1	60	60								96
	"	MO 6-1	21"x21"	1	60	60								LEFT
101	200' W. OF CTY J INTERSECTION ON CTY OO (WB)	MO 4-8	24"x12"	1	60	60								
	"	M 3-4	24"x12"	1	60	60								
	"	M 1-6	48"x24"	1	60	60								96
	"	MO 6-1	21"X21"	1	60	60								AHEAD
102	RT OF J1-2 (JCT J; END OO) ON CTY OO (EB)	MO 4-8	24"x12"	1	60	60								
	"	M 3-2	24"x12"	1	60	60								
	"	M 50-2	48"x24"	1	60	60								96-55
	"	MO 5-1L	21"X21"	1	60	60								
	"	MO 4-8	24"X12"	1	60	60								
	"	M 3-1	24"X12"	1	60	60								
	"	MO 5-1L	21"x21"	1	60	60								
PAGE SUBTOTALS				52		3,120	0	0	0	0		0	0	

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TRAFFIC CONTROL DETOUR SIGN SUMMARY

SIGN NO.	LOCATION	SIGN CODE	SIZE W X H	NUMBER IN SERVICE	APPROX. SERVICE PERIOD 60 DAYS	643.0900 SIGNS DAYS	643.0420 BARRICADES TYPE III DAYS	643.0705 WARNING LIGHTS TYPE A DAYS	643.1050 SIGNS PORTABLE CHANGEABLE MESSAGE DAYS	643.1000 SIGNS FIXED MESSAGE S.F.	NO OF CYCLES	643.0910 COVERING SIGNS TYPE I EACH	643.0920 COVERING SIGNS TYPE II EACH	REMARKS
103	RT OF D 1-62 (ROUND-A-BOUT DIAGRAMITIC) ON CTY OO (WB)	MO 4-8	24"x12"	1	60	60								
	"	M 3-4	24"x12"	1	60	60								
		M 50-2	48"x24"	1	60	60								
		MO 6-1	21"X21"	1	60	60								AHEAD
		MO 4-8	24"X12"	1	60	60								
	"	M 3-3	24"x12"	1	60	60								
	"	MO 6-1	21"x21"	1	60	60								AHEAD
104	ABOVE D1-1 (EAST- OO-TILT RT) ON EAST SPLITTER ISLAND	MO 4-8	24"x12"	1	60	60								
	"	M 3-2	24"x12"	1	60	60								
	"	M 1-6	24"x24"	1	60	60								96
	"	MO 6-2	21"x21"	1	60	60								RIGHT
105	ABOVE D1-1 (WEST- OO-TILT RT) ON WEST SPLITTER ISLAND	MO 4-8	24"x12"	2	60	120								
	"	M 3-4	24"x12"	1	60	60								
	"	M 3-3	24"x12"	1	60	60								
	"	M 50-2	48"x24"	1	60	60								96/55
	"	MO 6-2	21"x21"	2	60	120								RIGHT
106	SW QUAD OF HWY 55 & CTY OO INTERSECTION	M 1-6	24"x24"	1	60	60								55
	"	R 11-3	60"x30"	1	60	60	60	120						1/2 MILE AHEAD
107	CTH OO, E. OF STH 55, PLACE RIGHT OF EXISTING J4-1 SIGN	MO 4-8	24"x12"	1	60	60								
	"	M 3-2	24"x12"	1	60	60								
	"	M 50-2	48"x24"	1	60	60								96-55
	"	MO 6-1	21"X21"	1	60	60								AHEAD
	"	MO 4-8	24"X12"	1	60	60								
	"	M 3-1	24"x12"	1	60	60								
	"	MO 6-1	21"x21"	1	60	60								AHEAD
108	RT OF D 1-62 (ROUND-A-BOUT DIAGRAMITIC) ON HWY 55 (SB)	R 11-4	60"X30"	1	60	60	60	120						
109	VACANT													
110	500' W. OF STH 55 INTERSECTION ON CTY OO (WB)	MO 4-8	24"x12"	1	60	60								
	"	M 3-4	24"x12"	1	60	60								
	"	M 50-2	48"x24"	1	60	60								96-55
	"	MO 6-1	21"X21"	1	60	60								AHEAD
	"	MO 4-8	24"X12"	1	60	60								
	"	M 3-3	24"X12"	1	60	60								
	"	MO 6-1	21"x21"	1	60	60								AHEAD
111	500' W. OF STH 55 INTERSECTION ON CTY OO (EB)	MO 4-8	24"x12"	1	60	60								
	"	M 3-2	24"x12"	1	60	60								
	"	M 50-2	48"x24"	1	60	60								96-55
	"	MO 6-1	21"x21"	1	60	60								AHEAD
	"	MO 4-8	24"x18"	1	60	60								
	"	M 3-1	24"x24"	1	60	60								
	"	MO 6-1	21"X21"	1	60	60								AHEAD
	PAGE SUBTOTALS			42		2,520	120	240	0	0		0	0	

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TRAFFIC CONTROL DETOUR SIGN SUMMARY

SIGN NO.	LOCATION	SIGN CODE	SIZE W X H	NUMBER IN SERVICE	APPROX. SERVICE PERIOD 60 DAYS	643.0900 SIGNS DAYS	643.0420 BARRICADES TYPE III DAYS	643.0705 WARNING LIGHTS TYPE A DAYS	643.1050 SIGNS PORTABLE CHANGEABLE MESSAGE DAYS	643.1000 SIGNS FIXED MESSAGE S.F.	NO OF CYCLES	643.0910 COVERING SIGNS TYPE I EACH	643.0920 COVERING SIGNS TYPE II EACH	REMARKS
112	500' E OF SIGN # 113 ON CTY OO (WB)	MO 4-8	24"x12"	2	60	120								
	"	M 3-4	24"x12"	1	60	60								
	"	M 3-3	24"x12"	1	60	60								
	"	M 5O-2	48"x24"	1	60	60								96/55
	"	MO 5-1L	21"x21"	2	60	120								
113	200' E OF GERTRUDE ST INTERSECTION ON CTY OO (WB)	MO 4-8	24"x12"	2	60	120								
	"	M 3-2	24"x12"	1	60	60								
	"	M 3-1	24"x12"	1	60	60								
	"	M 5O-2	48"x24"	1	60	60								96/55
	"	MO 6-1	21"x21"	2	60	120								AHEAD
114	RIGHT OF R1-1 (STOP SIGN) ON CTY OO (WB-NEAR RT)	MO 4-8	24"x12"	2	60	120								
	"	M 3-4	24"x12"	1	60	60								
	"	M 3-3	24"x12"	1	60	60								
	"	M 5O-2	48"x24"	1	60	60								96/55
	"	MO 6-1	21"x21"	2	60	120								LEFT
115	BACKSIDE OF R1-1 (STOP SIGN IN ISLAND) ON CTY OO (EB-FAR LT)	MO 4-8	24"x12"	2	60	120								
	"	M 3-4	24"x12"	1	60	60								
	"	M 3-3	24"x12"	1	60	60								
	"	M 5O-2	48"x24"	1	60	60								96/55
	"	MO 6-1	21"x21"	2	60	120								LEFT
116	RT OF R1-1 (STOP SIGN) ON GERTRUDE ST (NB)	MO 4-8	24"x12"	2	60	120								
	"	M 3-2	24"x12"	1	60	60								
	"	M 3-1	24"x12"	1	60	60								
	"	M 5O-2	48"x24"	1	60	60								96/55
	"	MO 6-1	21"x21"	2	60	120								RIGHT
117A	200' S OF CTY OO INTERSECTION ON GERTRUDE ST (SB)	MO 4-8	24"x12"	1	60	60								
	"	M 3-3	24"x12"	1	60	60								
	"	M 1-6	24"x24"	1	60	60								55
	"	MO 5-1-L	21"x21"	1	60	60								
117B	RT OF SIGN # 117A	MO 4-8-A	24"x18"	1	60	60								
	"	M 1-6	EXISTING											96
118	300' S OF CTY OO INTERSECTION ON GERTRUDE ST (NB)	MO 4-8	24"x12"	2	60	120								
	"	M 3-2	24"x12"	1	60	60								
	"	M 3-1	24"x12"	1	60	60								
	"	M 5O-2	48"x24"	1	60	60								96/55
	"	MO 5-1-R	21"x21"	2	60	120								
119A	100' N OF HWY 96 INTERSECTION ON GERTRUDE ST (SB)	MO 4-8	24"x12"	1	60	60								
	"	M 3-3	24"x12"	1	60	60								
	"	M 1-6	24"x24"	1	60	60								55
	"	MO 6-1	21"x21"	1	60	60								LEFT
119B	100' N OF SIGN # 119A ON GERTRUDE ST (SB)	M 3-4	24"x12"	1	60	60								
	"	M 1-6	24"x24"	1	60	60								96
	"	MO 6-1	21"x21"	1	60	60								RIGHT
120	SW QUAD OF GERTRUDE ST & HWY 96 INTERSECTION	MO 4-8	24"x12"	1	60	60								
	"	M 3-2	24"x12"	1	60	60								
	"	M 1-6	24"x24"	1	60	60								96
	"	MO 6-1	21"x21"	1	60	60								LEFT
	PAGE SUBTOTALS			58		3,480	0	0	0	0		0	0	

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TRAFFIC CONTROL DETOUR SIGN SUMMARY

SIGN NO.	LOCATION	SIGN CODE	SIZE W X H	NUMBER IN SERVICE	APPROX. SERVICE PERIOD 60 DAYS	643.0900 SIGNS DAYS	643.0420 BARRICADES TYPE III DAYS	643.0705 WARNING LIGHTS TYPE A DAYS	643.1050 SIGNS PORTABLE CHANGEABLE MESSAGE DAYS	643.1000 SIGNS FIXED MESSAGE S.F.	NO OF CYCLES	643.0910 COVERING SIGNS TYPE I EACH	643.0920 COVERING SIGNS TYPE II EACH	REMARKS
121	250' W OF SIGN # 120 ON HWY 96 (EB)	MO 4-8	24"x12"	1	60	60								
	"	M 3-2	24"x12"	1	60	60								
	"	M 1-6	24"x24"	1	60	60								96
	"	MO 5-1-L	21"x21"	1	60	60								
122	250' W OF SIGN # 121 ON HWY 96 (EB)	WO 20-2-A	48"x48"	1	60	60								
123	SE QUAD OF STH 96 & GERTRUDE ST INTERSECTION	R11-3	60"x30"	1	60	60	60	120						1 MILE
124	BELOW SIGN # 123	MO 4-9-L	30"x24"	1	60	60								
125	BACKSIDE OF SIGN # 120 ON HWY 96 (EB-FAR RT) [VERTICAL INSTALLATION]	MO 4-8	24"x12"	1	60	60								
	"	M 3-1	24"x12"	1	60	60								
	"	M 1-6	24"x24"	1	60	60								55
	"	M 3-2	24"x12"	1	60	60								
	"	M 1-6	24"x24"	1	60	60								96
	"	MO 6-1	21"x21"	1	60	60								RIGHT
126	NE QUAD OF STH 96 & GERTRUDE ST INTERSECTION [VERTICAL INSTALLATION]	MO 4-8	24"x12"	1	60	60								
	"	M 3-1	24"x12"	1	60	60								
	"	M 1-6	24"x24"	1	60	60								55
	"	M 3-2	24"x12"	1	60	60								
	"	M 1-6	24"x24"	1	60	60								96
	"	MO 6-1	21"x21"	1	60	60								RIGHT
127	250' E OF SIGN # 126 ON HWY 96 (WB)	MO 4-8	24"x12"	1	60	60								
	"	M 3-1	24"x12"	1	60	60								
	"	M 1-6	24"x24"	1	60	60								55
	"	M 3-2	24"x12"	1	60	60								
	"	M 1-6	24"x24"	1	60	60								96
	"	MO 5-1-R	21"x21"	1	60	60								
128	250' W OF GERTRUDE ST INTERSECTION ON HWY 96 (EB)	MO 4-8	24"x12"	1	60	60								
	"	M 3-3	24"x12"	1	60	60								
	"	M 1-6	24"x24"	1	60	60								55
	"	MO 6-1	21"x21"	1	60	60								AHEAD
129	MODIFY J1-1 (JCT 55) ON HWY 96 (EB)	MO 4-8-A	24"x18"	1	60	60								
	"	M 1-6	EXISTING											55
130	200' W OF HWY 55 INTERSECTION ON HWY 96 (WB) [VERTICAL INSTALLATION)	MO 4-8	24"x12"	1	60	60								
	"	M 3-1	24"x12"	1	60	60								
	"	M 1-6	24"x24"	1	60	60								55
	"	M 3-2	24"x12"	1	60	60								
	"	M 1-6	24"x24"	1	60	60								96
	"	MO 6-1	21"x21"	1	60	60								AHEAD
131	SW QUAD OF HWY 96 INTERSECTION ON HWY 55 (NB) [VERTICAL INSTALLATION]	MO 4-8	24"x12"	1	60	60								
	"	M 3-1	24"x12"	1	60	60								
	"	M 1-6	24"x24"	1	60	60								55
	"	M 3-2	24"x12"	1	60	60								
	"	M 1-6	24"x24"	1	60	60								96
	"	MO 6-1	21"x21"	1	60	60								LEFT
132	500' W SIGN # 131 ON HWY 55 (NB) [VERTICAL INSTALLATION]	MO 4-8	24"x12"	1	60	60								
	"	M 3-1	24"x12"	1	60	60								
	"	M 1-6	24"x24"	1	60	60								55
	"	M 3-2	24"x12"	1	60	60								
	"	M 1-6	24"x24"	1	60	60								96
	"	MO 5-1-L	21"x21"	1	60	60								
	PAGE SUBTOTALS			48		2,880	60	120	0	0		0	0	

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TRAFFIC CONTROL DETOUR SIGN SUMMARY

SIGN NO.	LOCATION	SIGN CODE	SIZE W X H	NUMBER IN SERVICE	APPROX. SERVICE PERIOD 60 DAYS	643.0900 SIGNS DAYS	643.0420 BARRICADES TYPE III DAYS	643.0705 WARNING LIGHTS TYPE A DAYS	643.1050 SIGNS PORTABLE CHANGEABLE MESSAGE DAYS	643.1000 SIGNS FIXED MESSAGE S.F.	NO OF CYCLES	643.0910 COVERING SIGNS TYPE I EACH	643.0920 COVERING SIGNS TYPE II EACH	REMARKS
133	250' W OF SIGN # 132 ON HWY 55 (NB)	WD 20-2-A	48"x48"	1	60	60								
134	NE QUAD OF HWY 55 & HWY 96 INTERSECTION	M 50-2	48"x24"	1	60	60								55/96
	"	R11-3	60"x30"	1	60	60	60	120						1/2 MILE
135	BELOW SIGN # 134	MO 4-9-L	30"x24"	1	60	60								
136	FIELD DETERMINED - CTY J (SB)	PCMS		1					7					
137	FIELD DETERMINED - STH 55 (NB)/STH 96 (EB)	PCMS		1					7					
138	FIELD DETERMINED - STH 96 (WB)	PCMS		1					7					
	PAGE SUBTOTALS			7		240	60	120	21	0		0	0	
	STAGE 2 SUBTOTALS			**346**		**20,580**	**360**	**720**	**21**	**0**		**0**	**0**	

STAGE 3 (STH 55 - ARBOR WAY TO MALONEY RD/GERTRUDE ST INTERSECTION - CLOSED)

	GAP IN SIGN NUMBERING (139-149)				70									
150	TYPE 1 (55; KAUKAUNA/SEYMOUR; 1 MILE) ON HWY 41 (NB)	R-55-58-A	108"x18"	1	70	70								PLACE OVER "1 MILE"
151	300' E OF CTY CC OVERPASS ON HWY 41 (NB)	M 1-6	36"x36"	1	70	70								55
	"	WD 20-2-A	48"x48"	1	70	70								
152	ACROSS FROM SIGN # 151 ON HWY 41 (NB -MEDIAN SIDE)	M 1-6	36"x36"	1	70	70								55
	"	WD 20-2-A	48"x48"	1	70	70								
153A	TYPE 1 (55; KAUKAUNA/SEYMOUR; TILT RT) ON HWY 41 (NB)	R-55-58-A	108"x18"	1	70	70								PLACE RIGHT OF 55
153B	TYPE 1 (55; KAUKAUNA/SEYMOUR; TILT RT) ON HWY 41 (NB)										1	1		TILT RIGHT ARROW
154	LT OF EXIT (TILT RT) SIGN ON HWY 41 (NB) @ HWY 55 EXIT	MO 4-8	36"x18"	1	70	70								
	"	M 1-6	36"x36"	1	70	70								55
	"	MO 6-1	30"x30"	1	70	70								AHEAD
155	ACROSS FROM SIGN # 154 ON HWY 41 (NB -MEDIAN SIDE)	MO 4-8	36"x18"	1	70	70								
	"	M 1-6	36"x36"	1	70	70								55
	"	MO 6-1	30"x30"	1	70	70								AHEAD
156	1500' W OF SIGN # 158 ON HWY 41 (NB)	MO 4-8	36"x18"	1	70	70								
	"	M 1-6	36"x36"	1	70	70								55
	"	MO 5-2-R	30"x30"	1	70	70								
157	ACROSS FROM SIGN # 156 ON HWY 41 (NB -MEDIAN SIDE)	MO 4-8	36"x18"	1	70	70								
	"	M 1-6	36"x36"	1	70	70								55
	"	MO 5-2-R	30"x30"	1	70	70								
158	1500' W OF TYPE 1 (J; KAUKAUNA; TILT RT) ON HWY 41 (NB)	MO 4-8	36"x18"	1	70	70								
	"	M 1-6	36"x36"	1	70	70								55
	"	MO 5-2-R	30"x30"	1	70	70								
159	ACROSS FROM SIGN # 158 ON HWY 41 (NB -MEDIAN SIDE)	MO 4-8	36"x18"	1	70	70								
	"	M 1-6	36"x36"	1	70	70								55
	"	MO 5-2-R	30"x30"	1	70	70								
160	LT OF TYPE 1 (J; KAUKAUNA; TILT RT) ON HWY 41 (NB)	MO 4-8	36"x18"	1	70	70								
	"	M 1-6	36"x36"	1	70	70								55
	"	MO 6-2	30"x30"	1	70	70								RIGHT
161	100' E OF D1-1 (ROUND-A-BOUT: LT- J; J-KAUKAUNA-RT) ON 41 NB EXIT RAMP TO CTY J	MO 4-8	24"x12"	2	70	140								
	"	M 3-1	24"x12"	1	70	70								
	"	M 3-3	24"x12"	1	70	70								
	"	M 50-2	48"x24"	1	70	70								55-55
	"	MO 5-1-L	21"x21"	1	70	70								
	"	MO 5-1-R	21"x21"	1	70	70								
	PAGE SUBTOTALS			34		2,380	0	0	0	0		1	0	

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TRAFFIC CONTROL DETOUR SIGN SUMMARY

SIGN NO.	LOCATION	SIGN CODE	SIZE W X H	NUMBER IN SERVICE	APPROX. SERVICE PERIOD 70 DAYS	643.0900 SIGNS DAYS	643.0420 BARRICADES TYPE III DAYS	643.0705 WARNING LIGHTS TYPE A DAYS	643.1050 SIGNS PORTABLE CHANGEABLE MESSAGE DAYS	643.1000 SIGNS FIXED MESSAGE S.F.	NO OF CYCLES	643.0910 COVERING SIGNS TYPE I EACH	643.0920 COVERING SIGNS TYPE II EACH	REMARKS
162	RT OF R 1-2 (YIELD SIGN) ON HWY 41 (SB) EXIT RAMP TO CTY J RT SIDE	MO 4-8	24"x12"	2	70	140								
	"	M 3-1	24"x12"	1	70	70								
		M 3-3	24"x12"	1	70	70								
	"	M 50-2	48"x24"	1	70	70								55-55
	"	MO 6-2	21"x21"	1	70	70								LEFT
	"	MO 6-2	21"x21"	1	70	70								RIGHT
163	ABOVE D1-2 (TILT RT-41-NORTH; J-TILT RT) ON CTY J (SB) SOUTH SPLITTER ISLAND-SOUTH RAB	MO 4-8	24"x12"	2	70	140								
	"	M 3-1	24"x12"	1	70	70								
		M 3-3	24"x12"	1	70	70								
	"	M 50-2	48"x24"	1	70	70								55-55
	"	MO 6-2	21"x21"	1	70	70								LEFT
	"	MO 6-2	21"x21"	1	70	70								RIGHT
164	LT OF TYPE 1 (J; KAUKAUNA; 1 MILE) ON HWY 41 (SB)	M 1-6	36"x36"	1	70	70								55
	"	WO 20-2-A	48"x48"	1	70	70								
165	ACROSS FROM SIGN # 164 ON HWY 41 (SB -MEDIAN SIDE)	M 1-6	36"x36"	1	70	70								55
	"	WO 20-2-A	48"x48"	1	70	70								
166	1500' E OF SIGN # 164 ON HWY 41 (SB)	MO 4-8	36"x18"	1	70	70								
	"	M 1-6	36"x36"	1	70	70								55
	"	MO 5-2-R	30"x30"	1	70	70								
167	ACROSS FROM SIGN # 156 ON HWY 41 (SB-MEDIAN SIDE)	MO 4-8	36"x18"	1	70	70								
	"	M 1-6	36"x36"	1	70	70								55
	"	MO 5-2-R	30"x30"	1	70	70								
168	1500' N OF TYPE 1 (J; KAUKAUNA; TILT RT) ON HWY 41 (SB)	MO 4-8	36"x18"	1	70	70								
	"	M 1-6	36"x36"	1	70	70								55
	"	MO 5-2-R	30"x30"	1	70	70								
169	ACROSS FROM SIGN # 168 ON HWY 41 (SB-MEDIAN SIDE)	MO 4-8	36"x18"	1	70	70								
	"	M 1-6	36"x36"	1	70	70								55
	"	MO 5-2-R	30"x30"	1	70	70								
170	LT OF TYPE 1 (J; KAUKAUNA; TILT RT) ON HWY 41 (SB)	MO 4-8	36"x18"	1	70	70								
	"	M 1-6	36"x36"	1	70	70								55
	"	MO 6-2	30"x30"	1	70	70								RIGHT
171	100' W OF D1-1 (ROUND-A-BOUT: LT- J/KAUKAUNA; J) ON 41 SB EXIT RAMP TO CTY J	MO 4-8	24"x12"	2	70	140								
	"	M 3-3	24"x12"	1	70	70								
	"	M 3-1	24"x12"	1	70	70								
	"	M 50-2	48"x24"	1	70	70								55-55
	"	MO 5-1-L	21"x21"	1	70	70								
	"	MO 5-1-R	21"x21"	1	70	70								
172	RT OF R 1-2 (YIELD SIGN) ON HWY 41 (SB) EXIT RAMP TO CTY J RT SIDE	MO 4-8	24"x12"	2	70	140								
	"	M 3-3	24"x12"	1	70	70								
	"	M 3-1	24"x12"	1	70	70								
	"	M 50-2	48"x24"	1	70	70								55-55
	"	MO 6-2	21"x21"	1	70	70								LEFT
	"	MO 6-2	21"x21"	1	70	70								RIGHT
	PAGE SUBTOTALS			47		3,290	0	0	0	0		0	0	

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TRAFFIC CONTROL DETOUR SIGN SUMMARY

SIGN NO.	LOCATION	SIGN CODE	SIZE W X H	NUMBER IN SERVICE	APPROX. SERVICE PERIOD 70 DAYS	643.0900 SIGNS DAYS	643.0420 BARRICADES TYPE III DAYS	643.0705 WARNING LIGHTS TYPE A DAYS	643.1050 SIGNS PORTABLE CHANGEABLE MESSAGE DAYS	643.1000 SIGNS FIXED MESSAGE S.F.	NO OF CYCLES	643.0910 COVERING SIGNS TYPE I EACH	643.0920 COVERING SIGNS TYPE II EACH	REMARKS
173	ABOVE D1-2 (TILT LT-SOUTH 41; J-TILT RT) ON CTY J (NB) NORTH SPLITTER ISLAND-NORTH RAB	M0 4-8	24"x12"	2	70	140								
	"	M 3-3	24"x12"	1	70	70								
	"	M 3-1	24"x12"	1	70	70								
	"	M 50-2	48"x24"	1	70	70								55-55
	"	M0 6-2	21"x21"	1	70	70								LEFT
	"	M0 6-2	21"x21"	1	70	70								RIGHT
174	TYPE 1 (55; KAUKAUNA/SEYMOUR; 3/4 MILE) ON HWY 41 (SB)	R-55-58-A	108"x18"	1	70	70								PLACE OVER "3/4 MILE"
175A	TYPE 1 (55; KAUKAUNA/SEYMOUR; TILT RT) ON HWY 41 (SB)	R-55-58-A	108"x18"	1	70	70								PLACE RIGHT OF 55
175B	TYPE 1 (55; KAUKAUNA/SEYMOUR; TILT RT) ON HWY 41 (SB)										1	1		TILT RIGHT ARROW
176	500' N OF J 1-2 (JCT JJ; JCT CC) ON HWY 55 (SB)	W0 20-2-A	48"x48"	1	70	70								
177	LT OF J 1-2 (JCT JJ; JCT CC) ON HWY 55 (SB)	M0 4-8	24"x12"	1	70	70								
	"	M 3-3	24"x12"	1	70	70								
	"	M 1-6	24"x24"	1	70	70								55
	"	M0 5-1-L	21"x21"	1	70	70								
178	LT OF J 13-2 (JJ LT & RT; CC-RT) ON HWY 55 (SB-NEAR RT)	M0 4-8	24"x12"	1	70	70								
	"	M 3-3	24"x12"	1	70	70								
	"	M 1-6	24"x24"	1	70	70								55
	"	M0 6-1	21"x21"	1	70	70								LEFT
179	SW QUAD OF HWY 55 & CTY JJ INTERSECTION	R 11-3	60"x30"	1	70	70	70	140						1 1/2 MILES
180	BELOW SIGN # 179	M0 4-9-L	30"x24"	1	70	70								
181	J4-1 (S-55) ON HWY 55 (SB)												1	SOUTH 55
182	BACKSIDE OF J13-1 (JJ LT & RT) ON HWY 55 (NB-FAR LT)	M0 4-8	24"x12"	1	70	70								
	"	M 3-3	24"x12"	1	70	70								
	"	M 1-6	24"x24"	1	70	70								55
	"	M0 6-1	21"x21"	1	70	70								LEFT
183	250' E OF STH 55 INTERSECTION ON CTY JJ (EB)	M0 4-8	24"x12"	1	70	70								
	"	M 3-3	24"x12"	1	70	70								
	"	M 1-6	24"x24"	1	70	70								55
	"	M0 6-1	21"x21"	1	70	70								AHEAD
184	MODIFY J 13-2 (55-LT & RT; JJ-AH) ON CTY JJ (WB)	M 1-6	EXISTING											55
	"	M0 6-1	21"x21"	1	70	70								RIGHT
185	MODIFY J1-1 (JCT 55) ON CTY JJ (WB)	M0 4-8-A	24"x18"	1	70	70								
	"	M 1-6	EXISTING											55
186	250' W OF WEYERS RD INTERSECTION ON CTY JJ (WB)	M0 4-8	24"x12"	1	70	70								
	"	M 3-1	24"x12"	1	70	70								
	"	M 1-6	24"x24"	1	70	70								55
	"	M0 6-1	21"x21"	1	70	70								AHEAD
187	250' E OF WEYERS RD INTERSECTION ON CTY JJ (EB)	M0 4-8	24"x12"	1	70	70								
	"	M 3-3	24"x12"	1	70	70								
	"	M 1-6	24"x24"	1	70	70								55
	"	M0 6-1	21"x21"	1	70	70								AHEAD
188A	250 ' W OF CTY J INTERSECTION ON CTY JJ (WB)	M0 4-8	24"x12"	1	70	70								
	"	M 3-3	24"x12"	1	70	70								
	"	M 1-6	24"x24"	1	70	70								55
	"	M0 5-1-R	21"x21"	1	70	70								
188B	250' W OF CTY J INTERSECTION ON CTY JJ (WB)	M0 4-8	24"x12"	1	70	70								
	"	M 3-1	24"x12"	1	70	70								
	"	M 1-6	24"x24"	1	70	70								55
	"	M0 6-1	21"x21"	1	70	70								AHEAD
189	LT OF J 13-1 (J LT & RT) ON CTY JJ (EB-NEAR RT)	M0 4-8	24"x12"	1	70	70								
	"	M 3-3	24"x12"	1	70	70								
	"	M 1-6	24"x24"	1	70	70								55
	"	M0 6-1	21"x21"	1	70	70								RIGHT
	PAGE SUBTOTALS			50		3,500	70	140	0	0		1	1	

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TRAFFIC CONTROL DETOUR SIGN SUMMARY

SIGN NO.	LOCATION	SIGN CODE	SIZE W X H	NUMBER IN SERVICE	APPROX. SERVICE PERIOD 70 DAYS	643.0900 SIGNS DAYS	643.0420 BARRICADES TYPE III DAYS	643.0705 WARNING LIGHTS TYPE A DAYS	643.1050 SIGNS PORTABLE CHANGEABLE MESSAGE DAYS	643.1000 SIGNS FIXED MESSAGE S.F.	NO OF CYCLES	643.0910 COVERING SIGNS TYPE I EACH	643.0920 COVERING SIGNS TYPE II EACH	REMARKS
190	BACKSIDE OF J 13-1 (J LT & RT) ON CTY JJ (WB FAR LT)	MO 4-8	24"x12"	1	70	70								
	"	M 3-3	24"x12"	1	70	70								
	"	M 1-6	24"x24"	1	70	70								55
	"	MO 6-1	21"x21"	1	70	70								RIGHT
191	BACKSIDE OF J 13-1 (JJ LT & RT) ON CTY J (SB-FAR LT)	MO 4-8	24"x12"	1	70	70								
	"	M 3-1	24"x12"	1	70	70								
	"	M 1-6	24"x24"	1	70	70								55
	"	MO 6-1	21"x21"	1	70	70								LEFT
192	LT OF J 13-1 (JJ LT & RT) ON CTY J (NB-NEAR RT)	MO 4-8	24"x12"	1	70	70								
	"	M 3-1	24"x12"	1	70	70								
	"	M 1-6	24"x24"	1	70	70								55
	"	MO 6-1	21"x21"	1	70	70								LEFT
193	250 ' S OF CTY JJ INTERSECTION ON CTY J (SB)	MO 4-8	24"x12"	1	70	70								
	"	M 3-3	24"x12"	1	70	70								
	"	M 1-6	24"x24"	1	70	70								55
	"	MO 6-1	21"x21"	1	70	70								AHEAD
194	LT OF J1-1 (JCT JJ) ON CTY J (NB)	MO 4-8	24"x12"	1	70	70								
	"	M 3-1	24"x12"	1	70	70								
	"	M 1-6	24"x24"	1	70	70								55
	"	MO 5-1-L	21"x21"	1	70	70								
195	LT OF D1-3 (AH-KAUKAUNA/GREEN BAY; MILWAUKEE-LT) ON CTY J (SB)	MO 4-8	24"x12"	1	70	70								
	"	M 3-3	24"x12"	1	70	70								
	"	M 1-6	24"x24"	1	70	70								55
	"	MO 6-1	21"x21"	1	70	70								AHEAD
196	ABOVE D1-2 (NORTH-41; J-TILT RT) ON CTY J (SB) SOUTH SPLITTER ISLAND-NORTH RAB	MO 4-8	24"x12"	1	70	70								
	"	M 3-3	24"x12"	1	70	70								
	"	M 1-6	24"x24"	1	70	70								55
	"	MO 6-2	21"x21"	1	70	70								RIGHT
197	RT OF J1-1 (JCT OO) ON HWY J (SB)	MO 4-8	24"x12"	1	70	70								
	"	M 3-3	24"x12"	1	70	70								
	"	M 1-6	24"x24"	1	70	70								55
	"	MO 5-1-R	21"x21"	1	70	70								
198	200' N OF CTY OO INTERSECTION ON CTY J (NB)	MO 4-8	24"x12"	1	70	70								
	"	M 3-1	24"x12"	1	70	70								
	"	M 1-6	24"x24"	1	70	70								55
	"	MO 6-1	21"x21"	1	70	70								AHEAD
199	RT OF R1-1 (STOP SIGN) @ CTY OO INTERSECTION ON CTY J (SB-NEAR RT)	MO 4-8	24"x12"	1	70	70								
	"	M 3-3	24"x12"	1	70	70								
	"	M 1-6	24"x24"	1	70	70								55
	"	MO 6-1	21"x21"	1	70	70								RIGHT
200	RT OF R1-1 (STOP SIGN) @ CTY OO INTERSECTION ON CTY J (NB-FAR LT)	MO 4-8	24"x12"	1	70	70								
	"	M 3-3	24"x12"	1	70	70								
	"	M 1-6	24"x24"	1	70	70								55
	"	MO 6-1	21"x21"	1	70	70								RIGHT
201	RT OF R1-1 (STOP SIGN) @ CTY J INTERSECTION ON CTY OO (WB-FAR LT)	MO 4-8	24"x12"	1	70	70								
	"	M 3-1	24"x12"	1	70	70								
	"	M 1-6	24"x24"	1	70	70								55
	"	MO 6-1	21"x21"	1	70	70								LEFT
	PAGE SUBTOTALS			48		3,360	0	0	0	0		0	0	

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TRAFFIC CONTROL DETOUR SIGN SUMMARY

SIGN NO.	LOCATION	SIGN CODE	SIZE W X H	NUMBER IN SERVICE	APPROX. SERVICE PERIOD 70 DAYS	643.0900 SIGNS DAYS	643.0420 BARRICADES TYPE III DAYS	643.0705 WARNING LIGHTS TYPE A DAYS	643.1050 SIGNS PORTABLE CHANGEABLE MESSAGE DAYS	643.1000 SIGNS FIXED MESSAGE S.F.	NO OF CYCLES	643.0910 COVERING SIGNS TYPE I EACH	643.0920 COVERING SIGNS TYPE II EACH	REMARKS
202	RT OF J23-2 (T0-41-LT; J LT & RT) ON CTY 00 (EB-NEAR RT)	M0 4-8	24"x12"	1	70	70								
	"	M 3-1	24"x12"	1	70	70								
	"	M 1-6	24"x24"	1	70	70								55
	"	M0 6-1	21"x21"	1	70	70								LEFT
203	200' W OF CTY J INTERSECTION ON CTY 00 (WB)	M0 4-8	24"x12"	1	70	70								
	"	M 3-3	24"x12"	1	70	70								
	"	M 1-6	24"x24"	1	70	70								55
	"	M0 6-1	21"x21"	1	70	70								AHEAD
204	RT OF J1-2 (JCT J; END 00) ON CTY 00 (EB)	M0 4-8	24"x12"	1	70	70								
	"	M 3-1	24"x12"	1	70	70								
	"	M 1-6	24"x24"	1	70	70								55
	"	M0 5-1-L	21"x21"	1	70	70								
205	500' E OF STH 55 INTERSECTION ON CTY 00 (WB)	M0 4-8-A	24"x18"	1	70	70								
	"	M 1-6	24"x24"	1	70	70								55
206	200' E OF HWY 55 INTERSECTION ON CTY 00 (EB)	M0 4-8	24"x12"	1	70	70								
	"	M 3-1	24"x12"	1	70	70								
	"	M 1-6	24"x24"	1	70	70								55
	"	M0 6-1	21"x21"	1	70	70								AHEAD
207	ABOVE D1-1 (EAST- 00-TILT RT) ON EAST SPLITTER ISLAND	M0 4-8	24"x12"	1	70	70								
	"	M 3-1	24"x12"	1	70	70								
	"	M 1-6	24"x24"	1	70	70								55
	"	M0 6-2	21"x21"	1	70	70								RIGHT
208	NE QUAD OF HWY 55 & CTY 00 INTERSECTION	R 11-3	60"x30"	1	70	70	70	140						1/2 MILES
209	BELOW SIGN # 208	M0 4-9-R	30"x24"	1	70	70								
210	SE QUAD OF HWY 55 & CTY 00 INTERSECTION RT OF YIELD SIGN	M0 4-8	24"x12"	1	70	70								
	"	M 3-1	24"x12"	1	70	70								
	"	M 1-6	24"x24"	1	70	70								55
	"	M0 6-1	21"x21"	1	70	70								RIGHT
211	RT OF D 1-62 (ROUND-A-BOUT DIAGRAMITIC) ON HWY 55 (NB)	M0 4-8	24"x12"	1	70	70								
	"	M 3-1	24"x12"	1	70	70								
	"	M 1-6	24"x24"	1	70	70								55
	"	M0 5-1-R	21"x21"	1	70	70								
212	250' S OF SIGN # 211 ON HWY 55 (NB)	W0 20-2-A	48"x48"	1	70	70								
213	FIELD DETERMINED - STH 55 (SB)	PCMS		1					7					
214	FIELD DETERMINED - STH 55 (NB)	PCMS		1					7					
215	FIELD DETERMINED - HWY 41 SB EXIT RAMP	PCMS		1					7					
216	FIELD DETERMINED - HWY 41 NB EXIT RAMP	PCMS		1					7					
	PAGE SUBTOTALS			37		2,310	70	140	28	0		0	0	
	STAGE 3 SUBTOTALS			**216**		**14,840**	**140**	**280**	**28**	**0**		**2**	**1**	

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TRAFFIC CONTROL DETOUR SIGN SUMMARY

SIGN NO.	LOCATION	SIGN CODE	SIZE W X H	NUMBER IN SERVICE	APPROX. SERVICE PERIOD 110 DAYS	643.0900 SIGNS DAYS	643.0420 BARRICADES TYPE III DAYS	643.0705 WARNING LIGHTS TYPE A DAYS	643.1050 SIGNS PORTABLE CHANGEABLE MESSAGE DAYS	643.1000 SIGNS FIXED MESSAGE S.F.	NO OF CYCLES	643.0910 COVERING SIGNS TYPE I EACH	643.0920 COVERING SIGNS TYPE II EACH	REMARKS
	CTH 00 DETOUR (STH 55/CTH 00 INTERSECTION RECONSTRUCT - STAGE 1 - CLOSED)													
217	CTH 00, PLACE 1000' W. OF CTH N INTERSECTION	W 20-2A	48"X48"	1	110	110								
218	CTH 00, PLACE 500' W. OF CTH N INTERSECTION	MO 4-8	24"X12"	1	110	110								
	"	M 3-2	24"X12"	1	110	110								
	"	M 1-5A	24"X24"	1	110	110								CTH 00
	"	MO 5-1L	21"X21"	1	110	110								
219	CTH 00, PLACE 100' W. OF CTH N INTERSECTION	MO 4-8	24"X12"	1	110	110								
	"	M 3-2	24"X12"	1	110	110								
	"	M 1-5A	24"X24"	1	110	110								CTH 00
	"	MO 6-1	21"X21"	1	110	110								LEFT
220	CTH 00, PLACE IN SOUTH LEG SPLITTER ISLAND BETWEEN C&G-SIDEWALK	R 11-3	60"X30"	1	110	110	110	220						2.5 MILES AHEAD
221	CTH N, MODIFY EXISTING J1-1 SIGN AS SHOWN	MO 4-8A	24"X18"	1	110	110								
222	CTH N, PLACE 175' S. OF I-41 NB RAMP INTERSECTION	MO 4-8	24"X12"	1	110	110								
	"	M 3-2	24"X12"	1	110	110								
	"	M 1-5A	24"X24"	1	110	110								CTH 00
	"	MO 6-1	21"X21"	1	110	110								RIGHT
223	I-41 SB OFF-RAMP TO CTH N, PLACE 125' PRIOR TO RAMP INTERSECTION	MO 4-8	24"X12"	1	110	110								
	"	M 3-4	24"X12"	1	110	110								
	"	M 1-5A	24"X24"	1	110	110								
	"	MO 6-1	21"X21"	1	110	110								
224	I-41 SB, AT CTH N EXIT RAMP DIVERGE	MO 4-8	36"X18"	1	110	110								
	"	M 3-4	36"X18"	1	110	110								
	"	M 1-5A	36"X36"	1	110	110								CTH 00
	"	MO 6-2	30"X30"	1	110	110								TILT RIGHT
225	CTH 00, PLACE IN SE QUADRANT AT CTH CC INTERSECTION	R 11-3	60"X30"	1	110	110	110	220						1.3 MILES AHEAD
226	I-41 NB, AT STH 55 EXIT RAMP DIVERGE	MO 4-8	36"X18"	1	110	110								
	"	M 3-2	36"X18"	1	110	110								
	"	M 1-5A	36"X36"	1	110	110								CTH 00
	"	MO 6-1	30"X30"	1	110	110								AHEAD
227	I-41 SB, AT STH 55 EXIT RAMP DIVERGE	MO 4-8	36"X18"	1	110	110								
	"	M 3-4	36"X18"	1	110	110								
	"	M 1-5A	36"X36"	1	110	110								CTH 00
	"	MO 6-1	30"X30"	1	110	110								AHEAD
228	I-41 NB, AT CTH J EXIT RAMP DIVERGE	MO 4-8	36"X18"	1	110	110								
	"	M 3-2	36"X18"	1	110	110								
	"	M 1-5A	36"X36"	1	110	110								CTH 00
	"	MO 6-2	30"X30"	1	110	110								TILT RIGHT
229	I-41 NB OFF-RAMP TO CTH J, PLACE RIGHT OF SIGN #45	MO 4-8	24"X12"	1	110	110								
	"	M 3-2	24"X12"	1	110	110								
	"	M 1-5A	24"X24"	1	110	110								CTH 00
	"	MO 5-1R	21"X21"	1	110	110								
230	I-41 NB OFF-RAMP TO CTH J, PLACE RIGHT OF SIGN #46	MO 4-8	24"X12"	1	110	110								
	"	M 3-2	24"X12"	1	110	110								
	"	M 1-5A	24"X24"	1	110	110								CTH 00
	"	MO 6-1	21"X21"	1	110	110								RIGHT
231	I-41 SB - CTH J ROUNDABOUT, EXIT TO I-41 SB LEG, MOUNT ABOVE EXISTING D1-1 SIGN	MO 4-8	24"X12"	1	110	110								
	"	M 3-4	24"X12"	1	110	110								
	"	M 1-5A	24"X24"	1	110	110								CTH 00
	"	MO 6-2	21"X21"	1	110	110								TILT RIGHT
	PAGE SUBTOTALS			48		5,280	220	440	0	0		0	0	

PLAN SHEET PRODUCED

BY WisDOT - NE REGION

3

TRAFFIC CONTROL DETOUR SIGN SUMMARY

SIGN NO.	LOCATION	SIGN CODE	SIZE W X H	NUMBER IN SERVICE	APPROX. SERVICE PERIOD 110 DAYS	643.0900 SIGNS DAYS	643.0420 BARRICADES TYPE III DAYS	643.0705 WARNING LIGHTS TYPE A DAYS	643.1050 SIGNS PORTABLE CHANGEABLE MESSAGE DAYS	643.1000 SIGNS FIXED MESSAGE S.F.	NO OF CYCLES	643.0910 COVERING SIGNS TYPE I EACH	643.0920 COVERING SIGNS TYPE II EACH	REMARKS
232	CTH J, PLACE 150' S. OF I-41 SB ROUNDABOUT	MO 4-8	24"X12"	1	110	110								
	"	M 3-4	24"X12"	1	110	110								
	"	M 1-5A	24"X24"	1	110	110								CTH OO
	"	MO 5-1L	21"X21"	1	110	110								
233	CTH J, PLACE 150' S. OF I-41 NB ROUNDABOUT	MO 4-8	24"X12"	1	110	110								
	"	M 3-4	24"X12"	1	110	110								
	"	M 1-5A	24"X24"	1	110	110								CTH OO
	"	MO 6-1	21"X21"	1	110	110								AHEAD
234	CTH J, MODIFY EXISTING J1-1 SIGN AS SHOWN	MO 4-8A	24"X18"	1	110	110								
235	CTH OO, PLACE RIGHT OF EXISTING R1-1 SIGN AT CTH J INTERSECTION	MO 4-8	24"X12"	1	110	110								
	"	M 3-2	24"X12"	1	110	110								
	"	M 1-5A	24"X24"	1	110	110								CTH OO
	"	MO 6-1	21"X21"	1	110	110								RIGHT
236	CTH OO, PLACE 500' E. OF CTH J INTERSECTION	MO 4-8	24"X12"	1	110	110								
	"	M 3-2	24"X12"	1	110	110								
	"	M 1-5A	24"X24"	1	110	110								CTH OO
	"	MO 5-1R	21"X21"	1	110	110								
237	CTH OO, PLACE 1000' E. OF CTH J INTERSECTION	W 20-2A	48"X48"	1	110	110								
	PAGE SUBTOTALS			18		1,980	0	0	0	0		0	0	
	CTH OO DETOUR TOTALS			**66**		**7,260**	**220**	**440**	**0**	**0**		**0**	**0**	
	PROJECT TOTALS			**809**		**59,950**	**1,160**	**2,320**	**63**	**392**		**2**	**8**	

NOTE: ADDITIONAL TRAFFIC CONTROL QUANTITIES SHOWN ELSEWHERE WITHIN MISCELLANEOUS SECTION

PLAN SHEET PRODUCED
BY WisDOT - NE REGION

TRAFFIC SIGNAL STRUCTURES

LOCATION / BASE NUMBER	STATION	OFFSET	L/R	654.0101 CONCRETE BASES TYPE 1 EACH	654.0102 CONCRETE BASES TYPE 2 EACH	657.0100 PEDESTAL BASES EACH	657.0255 TRANSFORMER BASES BREAKAWAY 11 1/2-INCH BOLT CIRCLE EACH	657.0310 POLES TYPE 3 EACH	657.0420 TRAFFIC SIGNAL STANDARDS ALUMINUM 13-FT EACH	657.0425 TRAFFIC SIGNAL STANDARDS ALUMINUM 15-FT EACH	657.0585 TROMBONE ARMS 15-FT EACH	657.0590 TROMBONE ARMS 20-FT EACH	657.0595 TROMBONE ARMS 25-FT EACH	657.0609 LUMINAIRE ARMS SINGLE MEMBER 4-INCH CLAMP 6-FT EACH	659.1125 LUMINAIRES UTILITY LED C EACH
CATEGORY 0010															
STH 55 & STH 96															
SB1	209+00'NB'	33.0'	RT	1	--	1	--	--	1	--	--	--	--	--	--
SB2	208+99'NB'	29.8'	LT	--	1	--	1	1	--	--	1	--	--	1	1
SB3	210+04'NB'	35.2'	LT	1	--	1	--	--	--	1	--	--	--	--	--
SB4	210+02'NB'	36.0'	RT	--	1	--	1	1	--	--	--	1	--	1	1
SB5	100+48'J'	21.2'	LT	1	--	1	--	--	--	1	--	--	--	--	--
SB6	100+50'J'	35.0'	RT	--	1	--	1	1	--	--	--	--	1	1	1
SB7	310+12'96'	36.8'	LT	1	--	1	--	--	1	--	--	--	--	--	--
SB8	310+17'96'	38.2'	RT	--	1	--	1	1	--	--	1	--	--	1	1
CATEGORY 0010 TOTAL				4	4	4	4	4	2	2	2	1	1	4	4

TRAFFIC SIGNAL CABLE AND WIRE - ABOVE GROUND

LOCATION	FROM SIGNAL BASE	-	TO SIGNAL HEAD	655.0230 CABLE TRAFFIC SIGNAL 5-14 AWG LF	655.0240 * CABLE TRAFFIC SIGNAL 7-14 AWG LF	655.0700 * LOOP DETECTOR LEAD IN CABLE LF	655.0900 * TRAFFIC SIGNAL EVP DETECTOR CABLE LF
CATEGORY 0010							
STH 55 & STH 96							
	SB1	-	1	19	--	--	--
		-	5	19	--	--	--
		-	4A	15	--	--	--
		-	BUTTON	--	--	6	--
	SB2	-	4B	15	--	--	--
		-	6	40	--	--	--
		-	BUTTON	--	--	6	--
			HEAD "B"	--	--	--	35
	SB3	-	2A	15	--	--	--
		-	8	19	--	--	--
		-	10	--	23	--	--
		-	13	20	--	--	--
		-	14	20	--	--	--
		-	BUTTON	--	--	6	--
	SB4	-	2B	15	--	--	--
		-	9	45	--	--	--
		-	BUTTON	--	--	6	--
			HEAD "D"	--	--	--	40
	SB5	-	2	--	23	--	--
		-	4	19	--	--	--
		-	8B	15	--	--	--
		-	BUTTON	--	--	6	--
	SB6	-	3	--	52	--	--
		-	8A	15	--	--	--
		-	BUTTON	--	--	6	--
			HEAD "A"	--	--	--	40
	SB7	-	6B	15	--	--	--
		-	7	19	--	--	--
		-	11	19	--	--	--
		-	BUTTON	--	--	6	--
	SB8	-	6A	15	--	--	--
		-	12	--	42	--	--
		-	15	20	--	--	--
		-	BUTTON	--	--	6	--
			HEAD "C"	--	--	--	35
CATEGORY 0010 TOTAL				379	140	48	150

TRAFFIC SIGNAL CONDUIT

LOCATION	FROM	-	TO	652.0225 CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH LF	652.0235 CONDUIT RIGID NONMETALLIC SCHEDULE 40 3-INCH LF	652.0135 CONDUIT RIGID METALLIC 3-INCH LF
CATEGORY 0010						
STH 55 & STH 96						
	CB1	-	PB1	--	54	--
	CB1	-	PB20	--	36	--
	PB1	-	SB1	10	--	--
	PB1	-	PB2	--	25	--
	PB2	-	PB5	--	67	--
	PB2	-	PB3	10	--	--
	PB3	-	PB4	12	--	--
	PB5	-	BUNGALOW	30	--	--
	PB5	-	PB6	--	--	50
	PB6	-	PB7	25	--	--
	PB1	-	PB8	--	134	--
	PB8	-	SB2	7	--	--
	PB8	-	PB9	--	144	--
	PB9	-	SB3	18	--	--
	PB9	-	PB10	30	--	--
	PB9	-	PB11	85	--	--
	PB9	-	PB13	--	156	--
	PB11	-	PB12	10	--	--
	PB13	-	SB4	24	--	--
	PB13	-	PB14	--	100	--
	PB14	-	SB5	8	--	--
	PB14	-	PB15	23	--	--
	PB14	-	PB17	--	110	--
	PB15	-	PB16	15	--	--
	PB17	-	SB6	6	--	--
	PB17	-	PB18	--	100	--
	PB18	-	SB7	5	--	--
	PB18	-	PB19	20	--	--
	PB18	-	PB21	--	136	--
	PB19	-	PB20	12	--	--
	PB21	-	SB8	5	--	--
	PB21	-	PB22	25	--	--
	PB22	-	PB23	30	--	--
CATEGORY 0010 TOTAL				410	1,062	50

TRAFFIC SIGNAL CABLE AND WIRE - BELOW GROUND

LOCATION	FROM	-	TO	655.0240 * CABLE TRAFFIC SIGNAL 7-14 AWG LF	655.0250 CABLE TRAFFIC SIGNAL 9-14 AWG LF	655.0260 CABLE TRAFFIC SIGNAL 12-14 AWG LF	655.0270 CABLE TRAFFIC SIGNAL 15-14 AWG LF	655.0305 CABLE TYPE UF 2-12 AWG GROUNDED LF	655.0515 ELECTRICAL WIRE TRAFFIC SIGNALS 10 AWG LF	655.0900 * TRAFFIC SIGNAL EVP DETECTOR CABLE LF
CATEGORY 0010										
STH 55 & STH 96										
	CB1	-	SB1	--	--	56	--	--	--	--
	CB1	-	SB2	136	--	--	--	136	--	112
	CB1	-	SB3	--	--	--	233	--	--	--
	CB1	-	SB4	303	--	--	--	--	--	249
	CB1	-	SB5	--	--	269	--	--	--	--
	CB1	-	SB6	--	--	196	--	--	--	157
	CB1	-	SB7	--	--	129	--	--	--	--
	CB1	-	SB8	--	--	45	--	45	--	36
	SB1	-	SB2	--	--	--	--	--	122	--
	SB2	-	SB3	--	--	--	--	--	135	--
	SB2	-	SB4	--	--	--	--	207	--	--
	SB3	-	SB4	--	--	--	--	--	132	--
	SB4	-	SB5	--	--	--	--	--	120	--
	SB5	-	SB6	--	--	--	--	--	112	--
	SB6	-	SB7	--	--	--	--	--	101	--
	SB6	-	SB8	--	--	--	--	188	--	--
	SB7	-	SB8	--	--	--	--	--	121	--
	CB1	-	RR BUNGALOW	--	205	--	--	--	--	--
CATEGORY 0010 TOTAL				439	205	695	233	576	843	554

*ADDITIONAL QUANTITIES SHOWN ELSEWHERE.

TRAFFIC SIGNAL STRUCTURES

LOCATION / BASE NUMBER	STATION	OFFSET	L/R	654.0101 CONCRETE BASES TYPE 1 EACH	654.0102 CONCRETE BASES TYPE 2 EACH	657.0100 PEDESTAL BASES EACH	657.0255 TRANSFORMER BASES BREAKAWAY 11 1/2-INCH BOLT CIRCLE EACH	657.0310 POLES TYPE 3 EACH	657.0420 TRAFFIC SIGNAL STANDARDS ALUMINUM 13-FT EACH	657.0425 TRAFFIC SIGNAL STANDARDS ALUMINUM 15-FT EACH	657.0585 TROMBONE ARMS 15-FT EACH	657.0590 TROMBONE ARMS 20-FT EACH	657.0595 TROMBONE ARMS 25-FT EACH	657.0609 LUMINAIRE ARMS SINGLE MEMBER 4-INCH CLAMP 6-FT EACH	659.1125 LUMINAIRES UTILITY LED C EACH
CATEGORY 0010															
STH 55 & STH 96															
SB1	209+00'NB'	33.0'	RT	1	–	1	–	–	1	–	–	--	–	–	--
SB2	208+99'NB'	29.8'	LT	–	1	–	1	1	–	–	1	--	–	1	1
SB3	210+04'NB'	35.2'	LT	1	–	1	–	–	–	1	–	--	–	–	--
SB4	210+02'NB'	36.0'	RT	–	1	–	1	1	–	–	–	1	–	1	1
SB5	100+48'J'	21.2'	LT	1	–	1	–	–	–	1	–	--	–	–	--
SB6	100+50'J'	35.0'	RT	–	1	–	1	1	–	–	–	--	1	1	1
SB7	310+12'96'	36.8'	LT	1	–	1	–	–	1	–	–	--	–	–	--
SB8	310+17'96'	38.2'	RT	–	1	–	1	1	–	–	1	--	–	1	1
CATEGORY 0010 TOTAL				4	4	4	4	4	2	2	2	1	1	4	4

TRAFFIC SIGNAL CONDUIT

LOCATION	FROM	-	TO	652.0225 CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH LF	652.0235 CONDUIT RIGID NONMETALLIC SCHEDULE 40 3-INCH LF	652.0135 CONDUIT RIGID METALLIC 3-INCH LF
CATEGORY 0010						
STH 55 & STH 96						
	CB1	-	PB1	–	54	–
	CB1	-	PB20	–	36	–
	PB1	-	SB1	10	–	–
	PB1	-	PB2	–	25	–
	PB2	-	PB5	–	67	–
	PB2	-	PB3	10	–	–
	PB3	-	PB4	12	–	–
	PB5	-	BUNGALOW	30	–	–
	PB5	-	PB6	–	–	63
	PB6	-	PB7	23	–	–
	PB1	-	PB8	–	134	–
	PB8	-	SB2	7	–	–
	PB8	-	PB9	–	144	–
	PB9	-	SB3	18	–	–
	PB9	-	PB10	30	–	–
	PB9	-	PB11	85	–	–
	PB9	-	PB13	–	156	–
	PB11	-	PB12	10	–	–
	PB13	-	SB4	24	–	–
	PB13	-	PB14	–	100	–
	PB14	-	SB5	8	–	–
	PB14	-	PB15	23	–	–
	PB14	-	PB17	–	110	–
	PB15	-	PB16	15	–	–
	PB17	-	SB6	6	–	–
	PB17	-	PB18	–	100	–
	PB18	-	SB7	5	–	–
	PB18	-	PB19	20	–	–
	PB18	-	PB21	–	136	–
	PB19	-	PB20	12	–	–
	PB21	-	SB8	5	–	–
	PB21	-	PB22	25	–	–
	PB22	-	PB23	30	–	–
CATEGORY 0010 TOTAL				408	1,062	63

TRAFFIC SIGNAL CABLE AND WIRE - ABOVE GROUND

LOCATION	FROM SIGNAL BASE	-	TO SIGNAL HEAD	655.0230 CABLE TRAFFIC SIGNAL 5-14 AWG LF	655.0240 * CABLE TRAFFIC SIGNAL 7-14 AWG LF	655.0700 * LOOP DETECTOR LEAD IN CABLE LF	655.0900 * TRAFFIC SIGNAL EVP DETECTOR CABLE LF
CATEGORY 0010							
STH 55 & STH 96							
	SB1	-	1	19	–	–	--
		-	5	19	–	–	--
		-	4A	15	–	–	--
		-	BUTTON	–	–	6	--
	SB2	-	4B	15	–	–	--
		-	6	40	–	–	--
		-	BUTTON	–	–	6	--
			HEAD "B"	–	–	–	35
	SB3	-	2A	15	–	–	--
		-	8	19	–	–	--
		-	10	–	23	–	--
		-	13	20	–	–	--
		-	14	20	–	–	--
		-	BUTTON	–	–	6	--
	SB4	-	2B	15	–	–	--
		-	9	45	–	–	--
		-	BUTTON	–	–	6	--
			HEAD "D"	–	–	–	40
	SB5	-	2	–	23	–	--
		-	4	19	–	–	--
		-	8B	15	–	–	--
		-	BUTTON	–	–	6	--
	SB6	-	3	–	52	–	--
		-	8A	15	–	–	--
		-	BUTTON	–	–	6	--
			HEAD "A"	–	–	–	40
	SB7	-	6B	15	–	–	--
		-	7	19	–	–	--
		-	11	19	–	–	--
		-	BUTTON	–	–	6	--
	SB8	-	6A	15	–	–	--
		-	12	–	42	–	--
		-	15	20	–	–	--
		-	BUTTON	–	–	6	--
			HEAD "C"	–	–	–	35
CATEGORY 0010 TOTAL				379	140	48	150

Addendum No.01
ID 4650-08-71
Revised Sheet 294
December 4, 2017

TRAFFIC SIGNAL CABLE AND WIRE - BELOW GROUND

LOCATION	FROM	-	TO	655.0240 * CABLE TRAFFIC SIGNAL 7-14 AWG LF	655.0250 CABLE TRAFFIC SIGNAL 9-14 AWG LF	655.0260 CABLE TRAFFIC SIGNAL 12-14 AWG LF	655.0270 CABLE TRAFFIC SIGNAL 15-14 AWG LF	655.0305 CABLE TYPE UF 2-12 AWG GROUNDED LF	655.0515 ELECTRICAL WIRE TRAFFIC SIGNALS 10 AWG LF	655.0900 * TRAFFIC SIGNAL EVP DETECTOR CABLE LF
CATEGORY 0010										
STH 55 & STH 96										
	CB1	-	SB1	–	–	56	–	–	–	–
	CB1	-	SB2	136	–	–	–	136	–	112
	CB1	-	SB3	–	–	–	233	–	–	–
	CB1	-	SB4	303	–	–	–	–	–	249
	CB1	-	SB5	–	–	269	–	–	–	–
	CB1	-	SB6	–	–	196	–	–	–	157
	CB1	-	SB7	–	–	129	–	–	–	–
	CB1	-	SB8	–	–	45	–	45	–	36
	SB1	-	SB2	–	–	–	–	–	122	–
	SB2	-	SB3	–	–	–	–	–	135	–
	SB2	-	SB4	–	–	–	–	207	–	–
	SB3	-	SB4	–	–	–	–	–	132	–
	SB4	-	SB5	–	–	–	–	–	120	–
	SB5	-	SB6	–	–	–	–	–	112	–
	SB6	-	SB7	–	–	–	–	–	101	–
	SB6	-	SB8	–	–	–	–	188	–	–
	SB7	-	SB8	–	–	–	–	–	121	–
	CB1	-	RR BUNGALOW	–	205	–	–	–	–	–
CATEGORY 0010 TOTAL				439	205	695	233	576	843	554

*ADDITIONAL QUANTITIES SHOWN ELSEWHERE.

PEDESTRIAN PUSH BUTTONS

LOCATION / BASE NUMBER	658.0500 PEDESTRIAN PUSH BUTTONS EACH
CATEGORY 0010	
STH 55 & STH 96	
SB1	1
SB2	1
SB3	1
SB4	1
SB5	1
SB6	1
SB7	1
SB8	1
CATEGORY 0010 TOTAL	8

TRAFFIC SIGNAL LOOP DETECTORS

LOCATION / LOOP NO.	STATION **	OFFSET	L/R	SIZE FT X FT	NO. OF TURNS	INSTALLATION METHOD	652.0800 CONDUIT LOOP DETECTOR LF	655.0800 LOOP DETECTOR WIRE LF	655.0700 * LOOP DETECTOR LEAD IN CABLE LF
CATEGORY 0010									
STH 55 & STH 96									
11	207+41'NB'	5.4'	RT	6 X 6	4	SDD: LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	24	96	185
12	209+01'NB'	5.5'	RT	6 X 30	3	SDD: LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	72	216	65
13	211+02'NB'	16.0'	LT	6 X 6	4	SDD: LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	24	96	250
21	100+47'J'	7.5'	LT	6 X 30	3	SDD: LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	72	216	225
41	210+00'NB'	0.0'	RT	6 X 30	3	SDD: LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	72	216	185
61	209+01'NB'	16.5'	RT	6 X 30	3	SDD: LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	72	216	55
81	310+41'96'	5.5'	LT	6 X 20	3	SDD: LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	52	156	85
82	310+12'96'	5.3'	LT	6 X 20	3	SDD: LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	52	156	115
83	310+11'96'	16.1'	LT	6 X 30	3	SDD: LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	72	216	68
CATEGORY 0010 TOTAL							512	1,584	1,233

* ADDITIONAL QUANTITY SHOWN ELSEWHERE

** LOCATION IS TO THE FRONT CENTER OF DETECTOR LOOP & FINAL LOCATION TO BE DETERMINED BY THE ENGINEER IN THE FIELD.

TRAFFIC SIGNAL HEADS

LOCATION	SIGNAL BASE NO.	HEAD NO.	658.0173 658.0175 TRAFFIC SIGNAL FACE 3S 12-INCH EACH	658.0175 TRAFFIC SIGNAL FACE 5S 12-INCH EACH	658.0416 PEDESTRIAN SIGNAL FACE 16-INCH EACH	SPV.0060.13 LED BLANK OUT SIGN NO LEFT TURN EACH	SPV.0060.14 LED BLANK OUT SIGN NO RIGHT TURN EACH
CATEGORY 0010							
STH 55 & STH 96							
	SB1	1	1	--	--	--	--
		5	1	--	--	--	--
		4A	--	--	1	--	--
	SB2	6	1	--	--	--	--
		4B	--	--	1	--	--
	SB3	2A	--	--	1	--	--
		8	1	--	--	--	--
		10	--	1	--	--	--
		13	--	--	--	1	--
		14	--	--	--	--	1
	SB4	2B	--	--	1	--	--
		9	1	--	--	--	--
	SB5	2	--	1	--	--	--
		4	1	--	--	--	--
		8B	--	--	1	--	--
	SB6	3	--	1	--	--	--
		8A	--	--	1	--	--
	SB7	6B	--	--	1	--	--
		7	1	--	--	--	--
		11	1	--	--	--	--
	SB8	6A	--	--	1	--	--
		12	--	1	--	--	--
		15	--	--	--	--	1
CATEGORY 0010 TOTAL			8	4	8	1	2

*ADDITIONAL QUANTITIES SHOWN ELSEWHERE.

TRAFFIC SIGNAL CONTROL

LOCATION	654.0217 CONCRETE CONTROL CABINET BASES TYPE 9 SPECIAL EACH	656.0200.01 ELECTRICAL SERVICE METER BREAKER PEDESTAL (STH 55 & STH 96) LS	SPV.0105.03 FURNISH AND INSTALL TRAFFIC SIGNAL CABINET CONTROLLER AND BATTERY BACKUP SYSTEM LS	SPV.0105.04 FURNISH AND INSTALL EMERGENCY VEHICLE PREEMPTION SYSTEM LS
CATEGORY 0010				
STH 55 & STH 96				
CB1	1	1	1	1
CATEGORY 0010 TOTAL	1	1	1	1

CONSTRUCTION STAKING

LOCATION	650.8500.01 CONSTRUCTION STAKING ELECTRICAL INSTALLATIONS (4650-08-71) LS
CATEGORY 0010	
STH 55 & STH 96	1
CATEGORY 0010 TOTAL	1

TRAFFIC SIGNAL MOUNTING HARDWARE

LOCATION	658.5069.01 SIGNAL MOUNTING HARDWARE (STH 55 & STH 96) LS
CATEGORY 0010	
STH 55 & STH 96	1
CATEGORY 0010 TOTAL	1

TRAFFIC SIGNAL SYSTEM INTEGRATOR

LOCATION	SPV.0105.02 TRAFFIC SIGNAL SYSTEMS INTEGRATOR (4650-08-71) LS
CATEGORY 0010	
STH 55 & STH 96	1
CATEGORY 0010 TOTAL	1

TRAFFIC SIGNAL PULL BOXES

LOCATION / PULL BOX NUMBER	STATION	OFFSET	L/R	653.0105 PULL BOXES STEEL 12X24-INCH EACH	653.0154 PULL BOX NON-CONDUCTIVE 24X36-INCH EACH	653.0164 PULL BOX NON-CONDUCTIVE 24X42-INCH EACH	SPV.0060.12 PULL BOX NON-CONDUCTIVE 24X48-INCH EACH
CATEGORY 0010							
STH 55 & STH 96							
PB1	208+93'NB'	38.5'	RT	--	--	1	--
PB2	208+71'NB'	27.5'	RT	--	1	--	--
PB3	208+71'NB'	16.5'	RT	1	--	--	--
PB4	208+71'NB'	5.5'	RT	1	--	--	--
PB5	208+04'NB'	26.5'	RT	--	--	--	1
PB6	207+56'NB'	26.4'	RT	--	--	--	1
PB7	207+41'NB'	5.4'	RT	1	--	--	--
PB8	208+93'NB'	27.9'	LT	--	--	1	--
PB9	210+20'NB'	26.9'	LT	--	--	1	--
PB10	210+30'NB'	0.0'	RT	1	--	--	--
PB11	211+03'NB'	26.8'	LT	--	1	--	--
PB12	211+02'NB'	16.0'	LT	1	--	--	--
PB13	210+21'NB'	24.9'	RT	--	--	1	--
PB14	100+57'J'	23.1'	LT	--	--	1	--
PB15	100+78'J'	23.1'	LT	--	1	--	--
PB16	100+77'J'	7.5'	LT	1	--	--	--
PB17	100+56'J'	32.2'	RT	--	--	1	--
PB18	310+16'96'	36.6'	LT	--	--	1	--
PB19	310+11'96'	16.1'	LT	1	--	--	--
PB20	310+12'96'	5.2'	LT	1	--	--	--
PB21	310+21'96'	34.6'	RT	--	--	1	--
PB22	310+39'96'	25.8'	RT	--	1	--	--
PB23	310+41'96'	5.5'	LT	1	--	--	--
CATEGORY 0010 TOTAL				9	4	8	2

Addendum No.01
ID 4650-08-71
Revised Sheet 295
December 4, 2017

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TRAFFIC SIGNAL CONTROL

LOCATION	654.0217 CONCRETE CONTROL CABINET BASES TYPE 9 SPECIAL EACH	656.0200.01 ELECTRICAL SERVICE METER BREAKER PEDESTAL (STH 55 & STH 96) LS	SPV.0105.03 FURNISH AND INSTALL TRAFFIC SIGNAL CABINET CONTROLLER AND BATTERY BACKUP SYSTEM LS	SPV.0105.04 FURNISH AND INSTALL EMERGENCY VEHICLE PREEMPTION SYSTEM LS
CATEGORY 0010				
STH 55 & STH 96				
CB1	1	1	1	1
CATEGORY 0010 TOTAL	1	1	1	1

CONSTRUCTION STAKING

LOCATION	650.8500.01 CONSTRUCTION STAKING ELECTRICAL INSTALLATIONS (4650-08-71) LS
CATEGORY 0010	
STH 55 & STH 96	1
CATEGORY 0010 TOTAL	1

TRAFFIC SIGNAL MOUNTING HARDWARE

LOCATION	658.5069.01 SIGNAL MOUNTING HARDWARE (STH 55 & STH 96) LS
CATEGORY 0010	
STH 55 & STH 96	1
CATEGORY 0010 TOTAL	1

TRAFFIC SIGNAL SYSTEM INTEGRATOR

LOCATION	SPV.0105.02 TRAFFIC SIGNAL SYSTEMS INTEGRATOR (4650-08-71) LS
CATEGORY 0010	
STH 55 & STH 96	1
CATEGORY 0010 TOTAL	1

TRAFFIC SIGNAL PULL BOXES

LOCATION / PULL BOX NUMBER	STATION	OFFSET	L/R	653.0105 PULL BOXES STEEL 12X24-INCH EACH	653.0154 PULL BOX NON-CONDUCTIVE 24X36-INCH EACH	653.0164 PULL BOX NON-CONDUCTIVE 24X42-INCH EACH	SPV.0060.12 PULL BOX NON-CONDUCTIVE 24X48-INCH EACH
CATEGORY 0010							
STH 55 & STH 96							
PB1	208+93'NB'	38.5'	RT	–	–	1	–
PB2	208+71'NB'	27.5'	RT	–	1	–	–
PB3	208+71'NB'	16.5'	RT	1	–	–	–
PB4	208+71'NB'	5.5'	RT	1	–	–	–
PB5	208+04'NB'	26.5'	RT	–	–	–	1
PB6	207+51'NB'	26.3'	RT	–	–	–	1
PB7	207+41'NB'	5.4'	RT	1	–	–	–
PB8	208+93'NB'	27.9'	LT	–	–	1	–
PB9	210+20'NB'	26.9'	LT	–	–	1	–
PB10	210+30'NB'	0.0'	RT	1	–	–	–
PB11	211+03'NB'	26.8'	LT	–	1	–	–
PB12	211+02'NB'	16.0'	LT	1	–	–	–
PB13	210+21'NB'	24.9'	RT	–	–	1	–
PB14	100+57'J'	23.1'	LT	–	–	1	–
PB15	100+78'J'	23.1'	LT	–	1	–	–
PB16	100+77'J'	7.5'	LT	1	–	–	–
PB17	100+56'J'	32.2'	RT	–	–	1	–
PB18	310+16'96'	36.6'	LT	–	–	1	–
PB19	310+11'96'	16.1'	LT	1	–	–	–
PB20	310+12'96'	5.2'	LT	1	–	–	–
PB21	310+21'96'	34.6'	RT	–	–	1	–
PB22	310+39'96'	25.8'	RT	–	1	–	–
PB23	310+41'96'	5.5'	LT	1	–	--	–
CATEGORY 0010 TOTAL				9	4	8	2

ERECTION & REMOVAL OF PERMANENT SIGNING, TYPE II

SIGN NO.	LOCATION	SIGN CODE	W X H	637.2210 SIGNS TYPE II REFLECTIVE TYPE H S.F.	637.2230 SIGNS TYPE II REFLECTIVE TYPE F S.F.	637.2215 SIGNS TYPE II REFLECTIVE H FOLDING S.F.	634.0614 POSTS WOOD 4x6x14 EACH	634.0616 POSTS WOOD 4x6x16 EACH	634.0810 POSTS TUBULAR STEEL 2x2x10 EACH	634.0812 POSTS TUBULAR STEEL 2x2x12 EACH	634.0814 POSTS TUBULAR STEEL 2x2x14 EACH	641.8100 OVERHEAD SIGN SUPPORT LS (STR)	REMARKS
1	STH 55, N. OF EVERGREEN DR	R5-1	30" X 30"	6.25	---	---	1	---	---	---	---	---	
2	"	W6-3	36" X 36"	---	9.00	---	---	---	---	---	---	---	MOUNT TO BACK OF SIGN 1
3	"	R4-7	36" X 48"	12.00	---	---	---	1	---	---	---	---	
4	"	R5-1A	36" X 24"	6.00	---	---	1	---	---	---	---	---	
5	"	W6-2	36" X 36"	---	9.00	---	---	---	---	---	---	---	MOUNT TO BACK OF SIGN 4
6	"	R5-1	30" X 30"	6.25	---	---	1	---	---	---	---	---	
7	"	R4-7	24" X 36"	6.00	---	---	---	1	---	---	---	---	
8	EVERGREEN DR	R1-1	36" X 36"	7.46	---	---	---	1	---	---	---	---	
9	STH 55, N. OF ARBOR WAY	R5-1	30" X 30"	6.25	---	---	1	---	---	---	---	---	
10	"	W3-5	36" X 36"	---	9.00	---	---	1	---	---	---	---	45 MPH
11	"	R5-1A	36" X 24"	6.00	---	---	1	---	---	---	---	---	
12A	"	R3-20L	24" X 36"	6.00	---	---	---	1	---	---	---	---	
12	"	R2-1	24" X 30"	5.00	---	---	1	---	---	---	---	---	45 MPH
13	"	R5-1A	36" X 24"	6.00	---	---	---	---	---	---	---	---	MOUNT TO BACK OF SIGN 12
14	"	R3-20L	24" X 36"	6.00	---	---	---	1	---	---	---	---	
15	"	R2-1	24" X 30"	5.00	---	---	1	---	---	---	---	---	55 MPH
16	"	R5-1	30" X 30"	6.25	---	---	1	---	---	---	---	---	
17	"	R4-7	24" X 36"	6.00	---	---	---	1	---	---	---	---	
18	ARBOR WAY	R1-1	36" X 36"	7.46	---	---	---	1	---	---	---	---	
19	STH 55, N. OF I-41 SB RAB	R5-1	30" X 30"	6.25	---	---	1	---	---	---	---	---	
20	"	J1-1	24" X 39"	6.50	---	---	---	1	---	---	---	---	SEE PLAN SHEET
21	"	W2-6	30" X 30"	---	6.25	---	1	---	---	---	---	---	
22	"	W13-1	18" X 18"	---	2.25	---	---	---	---	---	---	---	15 MPH, MOUNT BELOW SIGN 21
23	"	R5-1A	36" X 24"	6.00	---	---	1	---	---	---	---	---	
24	"	R3-8D	36" X 30"	7.50	---	---	---	---	---	---	---	1 (S-44-0200)	MOUNT TO S-44-0200 SUPPORT
25	"	R3-8D	36" X 30"	7.50	---	---	---	---	---	---	---	---	MOUNT TO S-44-0200 SUPPORT
26	"	R11-54F	48" X 30"	---	---	10.00	---	---	---	---	---	---	MOUNT BELOW SIGN 25
27	"	J4-1	24" X 36"	6.00	---	---	---	1	---	---	---	---	SEE PLAN SHEET
28	"	W3-2	36" X 36"	---	9.00	---	---	1	---	---	---	---	
29	"	W12-1D	24" X 24"	---	4.00	---	---	---	1	---	---	---	2' MOUNTING HEIGHT
30	"	R1-2	36" X 31"	3.88	---	---	---	---	---	1	---	---	
31	"	R6-2R	24" X 30"	5.00	---	---	---	---	---	---	---	---	MOUNT BELOW SIGN 30
32	"	R1-2	48" X 42"	7.00	---	---	---	---	---	1	---	---	
33	"	R1-54	24" X 15"	2.50	---	---	---	---	---	---	---	---	MOUNT BELOW SIGN 32
34	"	R1-2	36" X 31"	3.88	---	---	---	1	---	---	---	---	
35	"	D1-2	66" X 36"	16.50	---	---	---	---	---	2	---	---	SEE SIGN DETAILS
PAGE SUBTOTALS				182.42	48.50	10.00	11	12	1	4	0	1	

ERECTION & REMOVAL OF PERMANENT SIGNING, TYPE II

SIGN NO.	LOCATION	SIGN CODE	W X H	637.2210 SIGNS TYPE II REFLECTIVE TYPE H S.F.	637.2230 SIGNS TYPE II REFLECTIVE TYPE F S.F.	637.2215 SIGNS TYPE II REFLECTIVE H FOLDING S.F.	634.0614 POSTS WOOD 4x6x14 EACH	634.0616 POSTS WOOD 4x6x16 EACH	634.0810 POSTS TUBULAR STEEL 2x2x10 EACH	634.0812 POSTS TUBULAR STEEL 2x2x12 EACH	634.0814 POSTS TUBULAR STEEL 2x2x14 EACH	641.8100 OVERHEAD SIGN SUPPORT LS (STR)	REMARKS
36	VACANT	---	---	---	---	---	---	---	---	---	---	---	
37	VACANT	---	---	---	---	---	---	---	---	---	---	---	
38	VACANT	---	---	---	---	---	---	---	---	---	---	---	
39	I-41 SB ON RAMP	R5-57	36" X 36"	9.00	---	---	---	1	---	---	---	---	
40	"	D1-2	66" X 36"	16.50	---	---	---	---	---	2	---	---	SEE SIGN DETAILS
41	"	R11-54F	48" X 30"	---	---	10.00	---	---	---	---	---	---	MOUNT BELOW SIGN 40
42	CENTER ISLAND	R6-1R	54" X 18"	6.75	---	---	---	2	---	---	---	---	
43	"	R6-4B	60" X 24"	10.00	---	---	---	---	---	---	---	---	MOUNT BELOW SIGN 42
44	"	R6-1R	54" X 18"	6.75	---	---	---	2	---	---	---	---	
45	"	R6-4B	60" X 24"	10.00	---	---	---	---	---	---	---	---	MOUNT BELOW SIGN 44
46	"	R6-1R	54" X 18"	6.75	---	---	---	2	---	---	---	---	
47	"	R6-4B	60" X 24"	10.00	---	---	---	---	---	---	---	---	MOUNT BELOW SIGN 46
48	STH 55, BETWEEN RAMPS	D1-1	72" X 30"	15.00	---	---	---	---	---	2	---	---	SEE SIGN DETAILS
49	"	R4-7	24" X 30"	5.00	---	---	---	---	---	1	---	---	
49A	"	D1-62	96" X 84"	56.00	---	---	---	4	---	---	---	---	SEE SIGN DETAILS
50	"	R1-2	36" X 31"	3.88	---	---	---	1	---	---	---	---	
51	"	R1-54	24" X 15"	2.50	---	---	---	---	---	---	---	---	MOUNT BELOW SIGN 50
52	"	R1-2	36" X 31"	3.88	---	---	---	---	---	1	---	---	
53	"	R6-2R	24" X 30"	5.00	---	---	---	---	---	---	---	---	MOUNT BELOW SIGN 52
54	I-41 SB OFF RAMP	R1-2	36" X 31"	3.88	---	---	---	---	---	1	---	---	
55	"	R5-1	30" X 30"	6.25	---	---	---	---	---	1	---	---	
56	"	W12-1D	24" X 24"	---	4.00	---	1	---	---	---	---	---	2' MOUNTING HEIGHT
57	"	R1-2	36" X 31"	3.88	---	---	---	1	---	---	---	---	
58	"	R1-54	24" X 15"	2.50	---	---	---	---	---	---	---	---	MOUNT BELOW SIGN 57
59	"	R1-2	36" X 31"	3.88	---	---	---	1	---	---	---	---	
60	"	R6-2R	24" X 30"	5.00	---	---	---	---	---	---	---	---	MOUNT BELOW SIGN 59
61	"	R5-1	30" X 30"	6.25	---	---	---	1	---	---	---	---	
62	"	R3-1	24" X 24"	4.00	---	---	---	---	---	---	---	---	MOUNT WITH SIGN 61
63	"	R5-1A	36" X 24"	6.00	---	---	---	---	---	---	---	1 (S-44-0201)	MOUNT TO S-44-0201 SUPPORT
64	"	R5-1A	36" X 24"	6.00	---	---	---	---	---	---	---	---	MOUNT TO S-44-0201 SUPPORT
65	"	R3-8DD	36" X 30"	7.50	---	---	---	---	---	---	---	---	MOUNT TO S-44-0201 SUPPORT
66	"	R3-8DD	36" X 30"	7.50	---	---	---	---	---	---	---	---	MOUNT TO S-44-0201 SUPPORT
67	"	E5-1A	90" X 60"	37.50	---	---	---	2	---	---	---	---	EXIT 148
68	"	W2-6	30" X 30"	---	6.25	---	---	1	---	---	---	---	
69	"	W13-1	18" X 18"	---	2.25	---	---	---	---	---	---	---	15 MPH, MOUNT BELOW SIGN 68
70	"	W3-2	36" X 36"	---	9.00	---	---	1	---	---	---	---	
	PAGE SUBTOTALS			267.13	21.50	10.00	1	19	0	8	0	1	

ERECTION & REMOVAL OF PERMANENT SIGNING, TYPE II

SIGN NO.	LOCATION	SIGN CODE	W X H	637.2210 SIGNS TYPE II REFLECTIVE TYPE H S.F.	637.2230 SIGNS TYPE II REFLECTIVE TYPE F S.F.	637.2215 SIGNS TYPE II REFLECTIVE H FOLDING S.F.	634.0614 POSTS WOOD 4x6x14 EACH	634.0616 POSTS WOOD 4x6x16 EACH	634.0810 POSTS TUBULAR STEEL 2x2x10 EACH	634.0812 POSTS TUBULAR STEEL 2x2x12 EACH	634.0814 POSTS TUBULAR STEEL 2x2x14 EACH	641.8100 OVERHEAD SIGN SUPPORT LS (STR)	REMARKS
71	I-41 NB OFF RAMP	W2-6	30" X 30"	---	6.25	---	---	1	---	---	---	---	
72	"	W13-1	18" X 18"	---	2.25	---	---	---	---	---	---	---	15 MPH, MOUNT BELOW SIGN 71
73	"	W3-2	36" X 36"	---	9.00	---	---	1	---	---	---	---	
73A	"	E5-1A	90" X 60"	37.50	---	---	---	2	---	---	---	---	EXIT 148
74	STH 55, BETWEEN RAMPS	R3-8GG	36" X 30"	7.50	---	---	1	---	---	---	---	---	
75	"	R4-7	24" X 30"	5.00	---	---	1	---	---	---	---	---	
76	"	R1-2	36" X 31"	3.88	---	---	---	1	---	---	---	---	
77	"	R6-2R	24" X 30"	5.00	---	---	---	---	---	---	---	---	MOUNT BELOW SIGN 76
78	"	R1-2	36" X 31"	3.88	---	---	---	1	---	---	---	---	
79	"	R1-54	24" X 15"	2.50	---	---	---	---	---	---	---	---	MOUNT BELOW SIGN 78
80	CENTER ISLAND	R6-1R	54" X 18"	6.75	---	---	---	2	---	---	---	---	
81	"	R6-4B	60" X 24"	10.00	---	---	---	---	---	---	---	---	MOUNT BELOW SIGN 80
82	"	R3-1	24" X 24"	4.00	---	---	1	---	---	---	---	---	
83	"	R5-1	30" X 30"	6.25	---	---	1	---	---	---	---	---	
84	I-41 NB OFF RAMP	R1-2	36" X 31"	3.88	---	---	---	1	---	---	---	---	
85	"	R6-2R	24" X 30"	5.00	---	---	---	---	---	---	---	---	MOUNT BELOW SIGN 84
86	STH 55, BETWEEN RAMPS	R3-8JJ	36" X 30"	7.50	---	---	---	---	---	---	---	1 (S-44-0203)	MOUNT TO S-44-0203 SUPPORT
87	"	D1-1	72" X 30"	15.00	---	---	2	---	---	---	---	---	
88	I-41 NB OFF RAMP	R3-8DD	36" X 30"	7.50	---	---	---	---	---	---	---	1 (S-44-0202)	MOUNT TO S-44-0202 SUPPORT
89	"	R3-8DD	36" X 30"	7.50	---	---	---	---	---	---	---	---	MOUNT TO S-44-0202 SUPPORT
90	"	R5-1A	36" X 24"	6.00	---	---	---	---	---	---	---	---	MOUNT TO S-44-0202 SUPPORT
91	"	W12-1D	24" X 24"	---	4.00	---	1	---	---	---	---	---	2' MOUNTING HEIGHT
92	"	R5-1A	36" X 24"	6.00	---	---	---	---	---	---	---	---	MOUNT TO S-44-0202 SUPPORT
93	"	R1-2	36" X 31"	3.88	---	---	---	1	---	---	---	---	
94	"	R1-54	24" X 15"	2.50	---	---	---	---	---	---	---	---	MOUNT BELOW SIGN 93
95	"	R1-2	36" X 31"	3.88	---	---	---	---	---	1	---	---	
96	"	R6-2R	24" X 30"	5.00	---	---	---	---	---	---	---	---	MOUNT BELOW SIGN 95
97	"	R5-1	30" X 30"	6.25	---	---	---	---	---	1	---	---	
98	"	R1-2	36" X 31"	3.88	---	---	---	---	---	1	---	---	
99	CENTER ISLAND	R6-1R	54" X 18"	6.75	---	---	---	2	---	---	---	---	
100	"	R6-4B	60" X 24"	10.00	---	---	---	---	---	---	---	---	MOUNT BELOW SIGN 42
101	STH 55, S. OF I-41 NB RAB	D1-1	66" X 36"	16.50	---	---	---	2	---	---	---	---	SEE SIGN DETAILS
102	"	J4-1	24" X 36"	6.00	---	---	---	1	---	---	---	---	SEE PLAN SHEET
103	"	R3-8X	54" X 30"	11.25	---	---	---	---	---	---	---	1 (S-44-0204)	MOUNT TO S-44-0204 SUPPORT
PAGE SUBTOTALS				226.50	21.50	0.00	7	15	0	3	0	3	

ERECTION & REMOVAL OF PERMANENT SIGNING, TYPE II

SIGN NO.	LOCATION	SIGN CODE	W X H	637.2210 SIGNS TYPE II REFLECTIVE TYPE H S.F.	637.2230 SIGNS TYPE II REFLECTIVE TYPE F S.F.	637.2215 SIGNS TYPE II REFLECTIVE H FOLDING S.F.	634.0614 POSTS WOOD 4x6x14 EACH	634.0616 POSTS WOOD 4x6x16 EACH	634.0810 POSTS TUBULAR STEEL 2x2x10 EACH	634.0812 POSTS TUBULAR STEEL 2x2x12 EACH	634.0814 POSTS TUBULAR STEEL 2x2x14 EACH	641.8100 OVERHEAD SIGN SUPPORT LS (STR)	REMARKS
104	I-41 NB ON RAMP	D1-2	66" X 36"	16.50	---	---	---	---	---	2	---	---	SEE SIGN DETAILS
105	"	R11-54F	48" X 30"	---	---	10.00	---	---	---	---	---	---	MOUNT BELOW SIGN 104
106	"	R5-57	36" X 36"	9.00	---	---	---	1	---	---	---	---	
107	CENTER ISLAND	R6-1R	54" X 18"	6.75	---	---	---	2	---	---	---	---	
108	"	R6-4B	60" X 24"	10.00	---	---	---	---	---	---	---	---	MOUNT BELOW SIGN 107
109	STH 55, S. OF I-41 NB RAB	R1-2	36" X 31"	3.88	---	---	---	---	---	1	---	---	
110	"	R1-2	36" X 31"	3.88	---	---	---	1	---	---	---	---	
111	"	R1-54	24" X 15"	2.50	---	---	---	---	---	---	---	---	MOUNT BELOW SIGN 110
112	"	W12-1D	24" X 24"	---	4.00	---	1	---	---	---	---	---	2' MOUNTING HEIGHT
113	"	R1-2	36" X 31"	3.88	---	---	---	1	---	---	---	---	
114	"	R6-2R	24" X 30"	5.00	---	---	---	---	---	---	---	---	MOUNT BELOW SIGN 113
115	"	R3-8X	54" X 30"	11.25	---	---	---	---	---	---	---	---	MOUNT TO S-44-0204 SUPPORT
116	"	R11-54F	48" X 30"	---	---	10.00	---	---	---	---	---	---	MOUNT BELOW SIGN 115
117	GERTRUDE ST	W2-6	30" X 30"	---	6.25	---	---	---	---	---	1	---	
118	"	W13-1	18" X 18"	---	2.25	---	---	---	---	---	---	---	15 MPH, MOUNT BELOW SIGN 117
119	"	R3-9B	24" X 36"	6.00	---	---	---	---	---	1	---	---	
120	"	W3-2	36" X 36"	---	9.00	---	---	---	---	---	1	---	
121	"	R4-7	24" X 30"	5.00	---	---	---	---	---	1	---	---	
122	"	R1-2	36" X 31"	3.88	---	---	---	---	---	1	---	---	
123	"	R6-2R	24" X 30"	5.00	---	---	---	---	---	---	---	---	MOUNT BELOW SIGN 122
124	"	R1-2	36" X 31"	3.88	---	---	---	---	---	1	---	---	
125	"	R1-54	24" X 15"	2.50	---	---	---	---	---	---	---	---	MOUNT BELOW SIGN 124
126	"	R3-9B	24" X 36"	6.00	---	---	---	---	---	1	---	---	
127	"	D1-1	84" X 15"	8.75	---	---	---	---	2	---	---	---	SEE SIGN DETAILS
128	STH 55, S. OF GERTRUDE ST	D1-1	78" X 30"	16.25	---	---	---	---	---	2	---	---	SEE SIGN DETAILS
129	"	R2-1	24" X 30"	5.00	---	---	---	---	---	---	---	---	45 MPH, BAND TO LIGHT POLE
130	"	R4-7	24" X 30"	5.00	---	---	---	---	---	1	---	---	
131	"	R3-6X	42" X 48"	14.00	---	---	---	---	---	---	---	1 (S-44-0206)	MOUNT ON S-44-0206, CENTER OVER LEFT LANE
132	"	R3-6R	42" X 48"	14.00	---	---	---	---	---	---	---	---	MOUNT ON S-44-0206, CENTER OVER RIGHT LANE
133	"	J2-2	48" X 57"	19.00	---	---	---	---	---	---	---	---	MOUNT TO S-44-0206 SUPPORT, SEE PLAN SHEET
134	"	R1-2	36" X 31"	3.88	---	---	---	---	---	1	---	---	
135	"	R6-2R	24" X 30"	5.00	---	---	---	---	---	---	---	---	MOUNT BELOW SIGN 134
136	"	R1-2	36" X 31"	3.88	---	---	---	---	---	1	---	---	
137	"	R1-54	24" X 15"	2.50	---	---	---	---	---	---	---	---	MOUNT BELOW SIGN 136
PAGE SUBTOTALS				202.13	21.50	20.00	1	5	2	13	2	1	

ERECTION & REMOVAL OF PERMANENT SIGNING, TYPE II

SIGN NO.	LOCATION	SIGN CODE	W X H	637.2210 SIGNS TYPE II REFLECTIVE TYPE H S.F.	637.2230 SIGNS TYPE II REFLECTIVE TYPE F S.F.	637.2215 SIGNS TYPE II REFLECTIVE H FOLDING S.F.	634.0614 POSTS WOOD 4x6x14 EACH	634.0616 POSTS WOOD 4x6x16 EACH	634.0810 POSTS TUBULAR STEEL 2x2x10 EACH	634.0812 POSTS TUBULAR STEEL 2x2x12 EACH	634.0814 POSTS TUBULAR STEEL 2x2x14 EACH	641.8100 OVERHEAD SIGN SUPPORT LS (STR)	REMARKS
138	MALONEY RD	D1-1	78" X 15"	8.13	---	---	---	---	2	---	---	---	SEE SIGN DETAIL
139	"	R4-7	24" X 30"	5.00	---	---	---	---	---	1	---	---	
140	"	W3-2	36" X 36"	---	9.00	---	---	---	---	---	1	---	
141	"	W2-6	30" X 30"	---	6.25	---	---	---	---	---	1	---	
142	"	W13-1	18" X 18"	---	2.25	---	---	---	---	---	---	---	15 MPH, MOUNT BELOW SIGN 141
143	"	R3-6X	42" X 48"	14.00	---	---	---	---	---	---	---	1 (S-44-0207)	MOUNT ON S-44-0207, CENTER OVER LEFT LANE
144	"	R3-5R	42" X 48"	14.00	---	---	---	---	---	---	---	---	MOUNT ON S-44-0207, CENTER OVER RIGHT LANE
145	"	W12-1D	24" X 24"	---	4.00	---	---	---	1	---	---	---	2' MOUNTING HEIGHT
146	"	R1-2	36" X 31"	3.88	---	---	---	---	---	1	---	---	
147	"	R6-2R	24" X 30"	5.00	---	---	---	---	---	---	---	---	MOUNT BELOW SIGN 146
148	"	R1-2	36" X 31"	3.88	---	---	---	---	---	1	---	---	
149	"	R1-54	24" X 15"	2.50	---	---	---	---	---	---	---	---	MOUNT BELOW SIGN 148
150	"	R1-2	36" X 31"	3.88	---	---	---	---	---	1	---	---	
151	CENTER ISLAND	R6-1R	54" X 18"	6.75	---	---	---	---	---	2	---	---	
152	"	R6-4B	60" X 24"	10.00	---	---	---	---	---	---	---	---	MOUNT BELOW SIGN 151
153	"	R6-1R	54" X 18"	6.75	---	---	---	---	---	2	---	---	
154	"	R6-4B	60" X 24"	10.00	---	---	---	---	---	---	---	---	MOUNT BELOW SIGN 153
155	"	R6-1R	54" X 18"	6.75	---	---	---	---	---	2	---	---	
156	"	R6-4B	60" X 24"	10.00	---	---	---	---	---	---	---	---	MOUNT BELOW SIGN 155
157	"	R6-1R	54" X 18"	6.75	---	---	---	---	---	2	---	---	
158	"	R6-4B	60" X 24"	10.00	---	---	---	---	---	---	---	---	MOUNT BELOW SIGN 157
159	STH 55, N. OF MALONEY RD	D1-1	78" X 42"	22.75	---	---	---	---	---	2	---	---	SEE SIGN DETAIL
160	"	R1-2	36" X 31"	3.88	---	---	---	---	---	2	---	---	
161	"	R1-54	24" X 15"	2.50	---	---	---	---	---	---	---	---	MOUNT BELOW SIGN 160
162	"	R1-2	36" X 31"	3.88	---	---	---	---	---	2	---	---	
163	"	R6-2R	24" X 30"	5.00	---	---	---	---	---	---	---	---	MOUNT BELOW SIGN 162
164	"	J3-1	24" X 57"	9.50	---	---	---	---	---	---	---	1 (S-44-0205)	MOUNT TO S-44-0205 SUPPORT, SEE PLAN SHEET
165	"	R3-6X	42" X 48"	14.00	---	---	---	---	---	---	---	---	MOUNT ON S-44-0205, CENTER OVER LEFT LANE
166	"	R3-6R	42" X 48"	14.00	---	---	---	---	---	---	---	---	MOUNT ON S-44-0205, CENTER OVER RIGHT LANE
166A	STH 55, S. OF GERTRUDE ST	W3-2	36" X 36"	---	9.00	---	---	---	---	---	1	---	
167	"	W2-6	30" X 30"	---	6.25	---	---	---	---	---	1	---	
168	"	W13-1	18" X 18"	---	2.25	---	---	---	---	---	---	---	15 MPH, MOUNT BELOW SIGN 167
169	BADFER RD	R1-1	30" X 30"	5.18	---	---	---	---	---	1	---	---	
170	STH 55, S. OF GERTRUDE ST	J1-1	24" X 39"	6.50	---	---	---	---	---	1	---	---	SEE PLAN SHEET
	PAGE SUBTOTALS			214.43	39.00	0.00	0	0	3	20	4	2	

ERECTION & REMOVAL OF PERMANENT SIGNING, TYPE II

SIGN NO.	LOCATION	SIGN CODE	W X H	637.2210 SIGNS TYPE II REFLECTIVE TYPE H S.F.	637.2230 SIGNS TYPE II REFLECTIVE TYPE F S.F.	637.2215 SIGNS TYPE II REFLECTIVE H FOLDING S.F.	634.0614 POSTS WOOD 4x6x14 EACH	634.0616 POSTS WOOD 4x6x16 EACH	634.0810 POSTS TUBULAR STEEL 2x2x10 EACH	634.0812 POSTS TUBULAR STEEL 2x2x12 EACH	634.0814 POSTS TUBULAR STEEL 2x2x14 EACH	641.8100 OVERHEAD SIGN SUPPORT LS (STR)	REMARKS
171	STH 55, S. OF BADGER	J1-1	24" X 39"	6.50	---	---	---	---	---	---	---	---	BAND TO LIGHT POLE, SEE PLAN SHEET
172	"	W2-6	30" X 30"	---	6.25	---	---	---	---	---	1	---	
173	"	W13-1	18" X 18"	---	2.25	---	---	---	---	---	---	---	15 MPH, MOUNT BELOW SIGN 172
174	"	W3-2	36" X 36"	---	9.00	---	---	---	---	---	1	---	
175	VACANT	---	---	---	---	---	---	---	---	---	---	---	
176	WEST CTH OO	W3-2	36" X 36"	---	9.00	---	---	---	---	1	---	---	
177	"	R3-6X	42" X 48"	14.00	---	---	---	---	---	---	---	1 (S-44-0209)	MOUNT ON S-44-0209, CENTER OVER LEFT LANE
178	"	R3-5R	42" X 48"	14.00	---	---	---	---	---	---	---	---	MOUNT ON S-44-0209, CENTER OVER RIGHT LANE
179	"	J2-2	48" X 57"	19.00	---	---	---	---	---	---	---	---	MOUNT TO S-44-0209 SUPPORT, SEE PLAN SHEET
180	"	W12-1D	24" X 24"	---	4.00	---	---	---	1	---	---	---	
181	"	R1-2	36" X 31"	3.88	---	---	---	---	---	1	---	---	
182	"	R6-2R	24" X 30"	5.00	---	---	---	---	---	---	---	---	MOUNT BELOW SIGN 181
183	"	R1-2	36" X 31"	3.88	---	---	---	---	---	1	---	---	
184	"	R1-54	24" X 15"	2.50	---	---	---	---	---	---	---	---	MOUNT BELOW SIGN 183
185	"	R1-2	36" X 31"	3.88	---	---	---	---	---	1	---	---	
186	"	W2-6	30" X 30"	---	6.25	---	---	---	---	---	1	---	
187	"	W13-1	18" X 18"	---	2.25	---	---	---	---	---	---	---	15 MPH, MOUNT BELOW SIGN 186
188	"	R2-1	24" X 30"	5.00	---	---	---	---	---	1	---	---	35 MPH
189	"	R4-7	24" X 30"	5.00	---	---	---	---	---	1	---	---	
190	"	J4-1	24" X 36"	6.00	---	---	---	---	---	1	---	---	SEE PLAN SHEET
191	"	D1-1	84" X 30"	17.50	---	---	---	---	---	2	---	---	SEE SIGN DETALS
192	STH 55, S. OF CTH OO	D1-1	78" X 30"	16.25	---	---	---	---	---	2	---	---	
193	"	W10-1	36" X 36"	---	7.07	---	---	---	---	1	---	---	
193A	"	R2-1	24" X 30"	5.00	---	---	---	---	---	1	---	---	25 MPH
194	"	R4-7	24" X 30"	5.00	---	---	---	---	---	1	---	---	
195	"	R1-2	36" X 31"	3.88	---	---	---	---	---	1	---	---	
196	"	R1-54	24" X 15"	2.50	---	---	---	---	---	---	---	---	MOUNT BELOW SIGN 195
197	"	R1-2	36" X 31"	3.88	---	---	---	---	---	1	---	---	
198	"	R6-2R	24" X 30"	5.00	---	---	---	---	---	---	---	---	MOUNT BELOW SIGN 197
199	VACANT	---	---	---	---	---	---	---	---	---	---	---	
200	STH 55, S. OF CTH OO	J2-2	48" X 57"	19.00	---	---	---	---	---	---	1	---	SEE PLAN SHEET
201	BLACKWELL ST	R1-1	30" X 30"	5.18	---	---	---	---	---	1	---	---	
202	EAST CTH OO	D1-1	84" X 30"	17.50	---	---	---	---	---	2	---	---	SEE SIGN DETALS
203	"	J4-1	24" X 36"	6.00	---	---	---	---	---	1	---	---	SEE PLAN SHEET
	PAGE SUBTOTALS			195.31	46.07	0.00	0	0	1	20	4	1	

ERECTION & REMOVAL OF PERMANENT SIGNING, TYPE II

SIGN NO.	LOCATION	SIGN CODE	W X H	637.2210 SIGNS TYPE II REFLECTIVE TYPE H S.F.	637.2230 SIGNS TYPE II REFLECTIVE TYPE F S.F.	637.2215 SIGNS TYPE II REFLECTIVE H FOLDING S.F.	634.0614 POSTS WOOD 4x6x14 EACH	634.0616 POSTS WOOD 4x6x16 EACH	634.0810 POSTS TUBULAR STEEL 2x2x10 EACH	634.0812 POSTS TUBULAR STEEL 2x2x12 EACH	634.0814 POSTS TUBULAR STEEL 2x2x14 EACH	641.8100 OVERHEAD SIGN SUPPORT LS (STR)	REMARKS
204	VACANT	---	---	---	---	---	---	---	---	---	---	---	
205	EAST CTH OO	R2-1	24" X 30"	5.00	---	---	---	---	---	1	---	---	45 MPH
206	"	R4-7	24" X 30"	5.00	---	---	---	---	---	1	---	---	
207	"	J2-2	48" X 57"	19.00	---	---	---	---	---	---	1	---	SEE PLAN SHEET
208A	"	W2-6	30" X 30"	---	6.25	---	---	---	---	---	1	---	
208B	"	W13-1	18" X 18"	---	2.25	---	---	---	---	---	---	---	15 MPH, MOUNT BELOW SIGN 208A
208	"	W3-2	36" X 36"	---	9.00	---	---	---	---	---	1	---	
209	"	R1-2	36" X 31"	3.88	---	---	---	---	---	1	---	---	
210	"	R6-2R	24" X 30"	5.00	---	---	---	---	---	---	---	---	MOUNT BELOW SIGN 209
211	"	R1-2	36" X 31"	3.88	---	---	---	---	---	---	1	---	
212	"	R1-54	24" X 15"	2.50	---	---	---	---	---	---	---	---	MOUNT BELOW SIGN 211
213	STH 55, N. OF CTH OO	D1-1	78" X 42"	22.75	---	---	---	---	---	2	---	---	SEE SIGN DETAILS
214	"	R2-1	24" X 30"	5.00	---	---	---	---	---	1	---	---	45 MPH
214A	"	J4-1	24" X 36"	6.00	---	---	---	---	---	1	---	---	SEE PLAN SHEET
215	"	R3-6X	42" X 48"	14.00	---	---	---	---	---	---	---	1 (S-44-0208)	MOUNT ON S-44-0208, CENTER OVER LEFT LANE
216	"	R3-5R	42" X 48"	14.00	---	---	---	---	---	---	---	---	MOUNT ON S-44-0208, CENTER OVER RIGHT LANE
217	"	J2-2	48" X 57"	19.00	---	---	---	---	---	---	---	---	MOUNT TO S-44-0208 SUPPORT, SEE PLAN SHEET
218	"	R4-7	24" X 30"	5.00	---	---	---	---	---	1	---	---	
219	"	W12-1D	24" X 24"	---	4.00	---	---	---	1	---	---	---	
220	"	R1-2	36" X 31"	3.88	---	---	---	---	---	1	---	---	
221	"	R6-2R	24" X 30"	5.00	---	---	---	---	---	---	---	---	MOUNT BELOW SIGN 220
222	"	R1-2	36" X 31"	3.88	---	---	---	---	---	---	1	---	
223	"	R1-54	24" X 15"	2.50	---	---	---	---	---	---	---	---	MOUNT BELOW SIGN 222
224	"	R1-2	36" X 31"	3.88	---	---	---	---	---	---	1	---	
225	CENTER ISLAND	R6-1R	54" X 18"	6.75	---	---	---	---	---	2	---	---	
226	"	R6-4B	60" X 24"	10.00	---	---	---	---	---	---	---	---	MOUNT BELOW SIGN 225
227	"	R6-1R	54" X 18"	6.75	---	---	---	---	---	2	---	---	
228	"	R6-4B	60" X 24"	10.00	---	---	---	---	---	---	---	---	MOUNT BELOW SIGN 227
229	"	R6-1R	54" X 18"	6.75	---	---	---	---	---	2	---	---	
230	"	R6-4B	60" X 24"	10.00	---	---	---	---	---	---	---	---	MOUNT BELOW SIGN 229
231	"	R6-1R	54" X 18"	6.75	---	---	---	---	---	2	---	---	
232	"	R6-4B	60" X 24"	10.00	---	---	---	---	---	---	---	---	MOUNT BELOW SIGN 231
233	BLACKWELL ST	R1-1	30" X 30"	5.18	---	---	---	---	---	1	---	---	
234	STH 55, S. OF BLACKWELL ST	J4-1	24" X 36"	6.00	---	---	---	---	---	1	---	---	SEE PLAN SHEET
235	"	W10-1	36" X 36"	---	7.07	---	---	---	---	---	---	---	BAND TO LIGHT POLE
236	"	W2-6	30" X 30"	---	6.25	---	---	---	---	---	1	---	
237	"	W13-1	18" X 18"	---	2.25	---	---	---	---	---	---	---	15 MPH, MOUNT BELOW SIGN 236
PAGE SUBTOTALS				227.31	37.07	0.00	0	0	1	19	7	1	

ERECTION & REMOVAL OF PERMANENT SIGNING, TYPE II

SIGN NO.	LOCATION	SIGN CODE	W X H	637.2210 SIGNS TYPE II REFLECTIVE TYPE H S.F.	637.2230 SIGNS TYPE II REFLECTIVE TYPE F S.F.	637.2215 SIGNS TYPE II REFLECTIVE H FOLDING S.F.	634.0614 POSTS WOOD 4x6x14 EACH	634.0616 POSTS WOOD 4x6x16 EACH	634.0810 POSTS TUBULAR STEEL 2x2x10 EACH	634.0812 POSTS TUBULAR STEEL 2x2x12 EACH	634.0814 POSTS TUBULAR STEEL 2x2x14 EACH	641.8100 OVERHEAD SIGN SUPPORT LS (STR)	REMARKS
238	DESNOYER ST	R1-1	30" X 30"	5.18	---	---	---	---	---	1	---	---	
239	"	R1-1	30" X 30"	5.18	---	---	---	---	---	1	---	---	
240	STH 55, S. OF DESNOYER ST	J1-2	48" X 39"	13.00	---	---	---	---	---	---	---	---	BAND TO LIGHT POLE, SEE PLAN SHEET
241	"	D1-3	72" X 36"	18.00	---	---	---	---	---	2	---	---	SEE SIGN DETAILS
242	"	J22-1	24" X 57"	9.50	---	---	---	---	---	---	1	---	SEE PLAN SHEET
243	VACANT	---	---	---	---	---	---	---	---	---	---	---	
244	OVIATT ST	R1-1	30" X 30"	5.18	---	---	---	---	---	1	---	---	
245	"	R1-1	30" X 30"	5.18	---	---	---	---	---	1	---	---	
246	"	J2-2	48" X 57"	19.00	---	---	---	---	---	---	1	---	SEE PLAN SHEET
247	STH 55, S. OF OVIATT ST	R2-1	24" X 30"	5.00	---	---	---	---	---	1	---	---	25 MPH
248	"	R3-8	36" X 30"	7.50	---	---	---	---	---	---	---	---	BAND TO LIGHT POLE
249	"	J4-1	24" X 36"	6.00	---	---	---	---	---	1	---	---	SEE PLAN SHEET
249A	"	J13-1	24" X 45"	7.50	---	---	---	---	---	---	---	---	SEE PLAN SHEET, BAND TO LIGHT POLE
250	"	R1-1F	36" X 36"	---	---	7.46	---	---	---	---	---	---	MOUNT TO SIGNAL POLE
251	VACANT	---	---	---	---	---	---	---	---	---	---	---	
252	VACANT	---	---	---	---	---	---	---	---	---	---	---	
253	CTH J	W3-3	36" X 36"	---	9.00	---	---	---	---	---	1	---	
254	"	R1-1F	36" X 36"	---	---	7.46	---	---	---	---	---	---	MOUNT TO SIGNAL POLE
255	"	M1-5A	24" X 24"	4.00	---	---	---	---	---	1	---	---	SEE PLAN SHEET
256	STH 55/STH 96	W10-1	36" X 36"	---	7.07	---	---	---	---	1	---	---	
257	"	W10-1A	24" X 12"	---	2.00	---	---	---	---	---	---	---	MOUNT BELOW SIGN 256
258	"	J3-2	48" X 57"	---	19.00	---	---	---	---	---	1	---	
258A	"	R1-1F	36" X 36"	---	---	7.46	---	---	---	---	---	---	MOUNT TO SIGNAL POLE
259	"	W3-3	36" X 36"	---	9.00	---	---	---	---	---	1	---	
260	"	W10-1	36" X 36"	---	7.07	---	---	---	---	---	1	---	
261	"	W10-1A	24" X 12"	---	2.00	---	---	---	---	---	---	---	MOUNT BELOW SIGN 260
262	STH 96	J3-4	96" X 57"	38.00	---	---	---	---	---	---	2	---	SEE PLAN SHEET
263	STH 96	R1-1F	36" X 36"	---	---	7.46	---	---	---	---	---	---	MOUNT TO SIGNAL POLE
265	"	J4-1	24" X 36"	6.00	---	---	---	---	---	1	---	---	SEE PLAN SHEET
266	"	J3-2	48" X 57"	19.00	---	---	---	---	---	---	---	---	BAND TO LIGHT POLE, SEE PLAN SHEET
267	"	R2-1	24" X 30"	5.00	---	---	---	---	---	1	---	---	25 MPH
268	"	W3-3	36" X 36"	---	9.00	---	---	---	---	---	1	---	
PAGE SUBTOTALS				178.22	64.14	29.84	0	0	0	12	9	0	
PROJECT TOTALS				**1693.43**	**299.28**	**69.84**	**20**	**51**	**8**	**99**	**26**	**10**	

ERECTION & REMOVAL OF PERMANENT SIGNING, TYPE II

SIGN NO.	LOCATION	SIGN CODE	638.2602 REMOVING SIGNS TYPE II EACH	638.3000 REMOVING SMALL SIGN SUPPORTS EACH	REMARKS
300	STH 55, N. OF EVERGREEN	R5-1	1	1	
301	"	W6-3	---	---	PART OF SIGN 300 REMOVAL
302	"	R5-1A	1	1	
303	"	R4-7	1	1	
304	"	R4-7	1	1	
305	"	R5-1	1	1	
306	EVERGREEN DR	R1-1	1	1	
307	STH 55, S. OF EVERGREEN DR	R5-1	1	1	
308	"	W3-5	1	1	
309	"	R5-1A	1	1	
310	"	R3-6L	1	1	
311	"	R2-1	1	1	
312	"	R5-1A	---	---	PART OF SIGN 311 REMOVAL
313	"	R2-1	1	1	
314	"	R5-1A	1	1	
315	"	R4-7	1	1	
316	ARBOR WAY	R1-1	1	1	
317	STH 55, S. OF ARBOR WAY	R5-1	1	1	
318	"	J1-1	1	1	
319	"	R5-1A	---	---	PART OF SIGN 319 REMOVAL
320	"	R5-1A	1	1	
321	"	R2-1	1	1	
322	"	R4-7	---	---	PART OF SIGN 321 REMOVAL
323	"	W6-3	1	1	
324	"	R5-1	---	---	PART OF SIGN 323 REMOVAL
325	"	R3-7R	1	1	
326	"	D1-3	1	2	
327	"	R3-2	1	1	
328	"	J3-1	---	---	PART OF SIGN 327 REMOVAL
329	"	J3-1	1	1	
330	"	J4-1	1	1	
331	I-41 SB OFF RAMP	R5-1	1	1	
332	"	R1-1	1	1	
333	"	R5-1	1	1	
334	"	R6-2R	---	---	PART OF SIGN 333 REMOVAL
	PAGE SUBTOTALS		28	29	

ERECTION & REMOVAL OF PERMANENT SIGNING, TYPE II

SIGN NO.	LOCATION	SIGN CODE	638.2602 REMOVING SIGNS TYPE II EACH	638.3000 REMOVING SMALL SIGN SUPPORTS EACH	REMARKS
335	I-41 SB OFF RAMP	R1-1	1	1	
336	"	J3-2	1	1	
337		R1-1	1	1	
338		R5-1	1	1	
339		R5-1A	1	2	
340		D1-3	---	---	PART OF SIGN 339 REMOVAL
341		J2-2	1	1	
342		R5-1A	1	---	
343	I-41 SB ON RAMP	R5-57	1	1	
344	VACANT	---	---	---	
345	I-41 SB ON RAMP	R11-54F	1	1	
346	STH 55 BETWEEN RAMPS	R3-2	1	1	
347		R3-1	---	---	PART OF SIGN 347 REMOVAL
348		J2-1	1	1	
349		D1-2	1	2	
350	I-41 SB OFF RAMP	W3-1	1	1	
351	"	E5-1A	1	1	
352	I-41 NB OFF RAMP	E5-1A	1	1	
353		W3-1	1	1	
354	SEE TYPE I SIGNING QUANTITIES		---	---	
355	STH 55 BETWEEN RAMPS	D1-2	1	2	
356		J2-1	1	1	
357		R3-1	1	1	
358		R3-2	---	---	PART OF SIGN 357 REMOVAL
359		R5-1	1	1	
360	I-41 NB OFF RAMP	R1-1	1	1	
361		R1-1	1	1	
362		R5-1A	1	1	
363		J2-2	1	1	
364		D1-3	1	2	
365		R5-1A	---	---	PART OF SIGN 364 REMOVAL
366		J3-2	1	1	
367		R5-1	1	1	
368		R6-2R	---	---	PART OF SIGN 367 REMOVAL
	PAGE SUBTOTALS		27	30	

ERECTION & REMOVAL OF PERMANENT SIGNING, TYPE II

SIGN NO.	LOCATION	SIGN CODE	638.2602 REMOVING SIGNS TYPE II EACH	638.3000 REMOVING SMALL SIGN SUPPORTS EACH	REMARKS
369	I-41 NB ON RAMP	R5-57	1	1	
370		R1-2	1	1	
371		R11-54F	1	1	
372		J3-1	1	1	
373		R3-2	---	---	PART OF SIGN 372 REMOVAL
374		J3-1	1	1	
375		R11-54F	---	---	PAR TOF SIGN 374 REMOVAL
376	STH 55, S. OF I-41	R1-1	1	1	
377		R5-1	1	1	
378		W3-3	1	1	
379		R3-8A	---	---	PART OF SIGN 378 REMOVAL
380		R2-1	1	1	
381		D1-3	1	1	
382		R7-1D	1	1	
383		R7-1D	1	1	
384		J4-1	1	1	
385		J2-3	1	1	
386	MALONEY RD	R1-1F	1	---	
387		W3-3	1	1	
388	GERTRUDE ST	W3-3	1	1	
389		R1-1F	1	---	
390	STH 55, S. OF MALONEY RD	J4-1	1	1	
391		W3-3	1	1	
392		R3-8A	---	---	PART OF SIGN 391 REMOVAL
393		R2-1	1	1	
394		W14-3	1	1	
395		I55-56	1	1	
396		R2-1	1	1	
397		R59-51	1	1	
398	BADGER RD	R1-1	1	1	
399	STH 55, S. OF BADGER RD	J1-1	1	1	
400		W3-1	1	1	
401		W3-1	1	1	
402		J4-1	---	---	PART OF SIGN 401 REMOVAL
403		W14-3	1	1	
404		R2-1	---	---	PART OF SIGN 403 REMOVAL
	PAGE SUBTOTALS		30	28	

ERECTION & REMOVAL OF PERMANENT SIGNING, TYPE II

SIGN NO.	LOCATION	SIGN CODE	638.2602 REMOVING SIGNS TYPE II EACH	638.3000 REMOVING SMALL SIGN SUPPORTS EACH	REMARKS
405	STH 55, S. OF BADGER RD	W10-1	1	1	
406		J13-1	1	1	
407	"	R1-1	1	1	
408		R1-1	1	1	
409	CTH OO	J4-1	1	1	
410		R2-1	---	---	PART OF SIGN 409 REMOVAL
411		D1-3	1	1	
412		R1-1	1	1	REMOVE FLASHER STANDARD
413		J13-2	1	1	
414		J13-2	1	1	
415		R1-1	1	1	REMOVE FLASHER STANDARD
416		D1-3	1	1	
417		R2-1	1	1	
418		W4-2R	1	1	
419		J4-1	1	1	
420	STH 55, S. OF CTH OO	R1-1	1	1	
421		W10-1	1	1	
422		J1-1	1	1	
423	BLACKWELL ST	R1-1	1	1	
424	"	R1-1	1	1	
425	STH 55, S. OF BLACKWELL ST	W10-1	1	1	
426		W3-1	1	1	
427		R2-1	1	1	
428	DESNOYER ST	R1-1	1	1	
429		R1-1	1	1	
430	STH 55, S. OF DESNOYER ST	J1-2	1	1	
431		W3-1	1	1	
432		R2-1	1	1	
433	OVIATT ST	R1-1	1	1	
434		R1-1	1	1	
435	STH 55, S. OF OVIATT ST	R2-1	1	1	
436		J22-2	1	1	
437		J22-2	1	1	
438		J2-3	1	2	
439		D1-3	1	1	
	PAGE SUBTOTALS		34	35	

3

ERECTION & REMOVAL OF PERMANENT SIGNING, TYPE II

SIGN NO.	LOCATION	SIGN CODE	638.2602 REMOVING SIGNS TYPE II EACH	638.3000 REMOVING SMALL SIGN SUPPORTS EACH	REMARKS
440	STH 55, S. OF OVIATT ST	R1-1	1	1	
441	CTH J	R1-1	1	1	
441A		S1-1	---	---	PART OF SIGN 441 REMOVAL
442		J4-1	1	1	
443		R1-1	1	1	
444	STH 96	R1-1	1	1	
445		S1-1	---	---	PART OF SIGN 444 REMOVAL
446		J22-2	1	1	
447		W3-1	1	1	
448		J3-2	1	1	
449		R2-1	1	1	
450	STH 55/STH 96	J3-2	1	1	
451		J4-2	1	1	
452		W10-1	1	1	
	PAGE SUBTOTALS		12	12	
	PROJECT TOTALS		**131**	**134**	

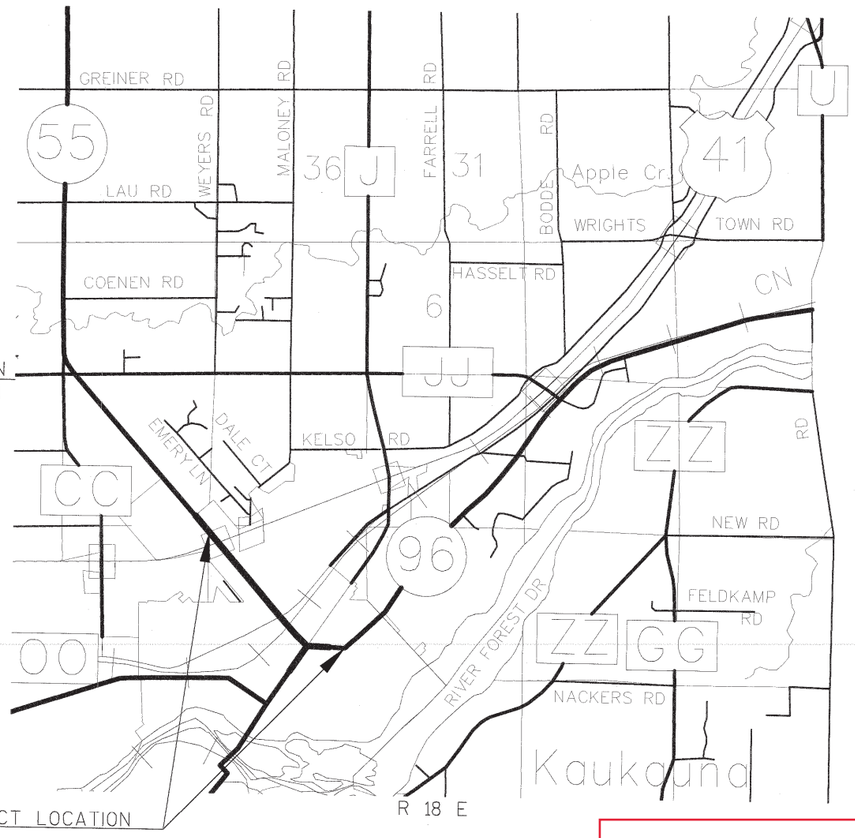
3

ERECTION & REMOVAL OF PERMANENT SIGNING, TYPE I

SIGN NO.	LOCATION	SIGN CODE	W X H	637.1220 SIGNS TYPE I REFLECTIVE TYPE SH S.F.	REMARKS
400	STH 55, N. OF I-41	E8-1	108" X 120"	90.0	CENTER OVER LEFT LANE (S-44-0200)
401	"	E8-1	108" X 90"	67.5	CENTER OVER LEFT LANE (S-44-0200)
402	I-41 SB OFF RAMP	E8-1	96" X 90"	60.0	CENTER OVER LEFT LANE (S-44-0201)
403	"	E8-1	96" X 90"	60.0	CENTER OVER LEFT LANE (S-44-0201)
404	I-41 NB OFF RAMP	E6-1	168" X 114"	133.0	S-44-0144
404A	"	E1-5	108" X 30"	22.5	MOUNT ABOVE SIGN 404
405	STH 55, BETWEEN RAMPS	E8-1	108" X 90"	67.5	CENTER OVER LEFT LANE (S-44-0203)
406	"	E8-1	96" X 90"	60.0	CENTER OVER LEFT LANE (S-44-0203)
407	I-41 NB OFF RAMP	E8-1	96" X 90"	60.0	CENTER OVER LEFT LANE (S-44-0202)
408	"	E8-1	96" X 90"	60.0	CENTER OVER LEFT LANE (S-44-0202)
409	STH 55, S. OF I-41	E8-1	108" X 90"	67.5	CENTER OVER MIDDLE LANE (S-44-0204)
410	"	E8-1	96" X 90"	60.0	CENTER OVER MIDDLE LANE (S-44-0204)
411	"	E8-1	108" X 90"	67.5	CENTER OVER MIDDLE LANE (S-44-0204)
	PROJECT TOTALS			**875.5**	

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
TRANSPORTATION PROJECT PLAT TITLE SHEET
4650-08-21
CITY OF KAUKAUNA, DELANGLADE STREET
LAWE STREET - USH 41
STH 55
OUTAGAMIE COUNTY

GN



T 22 N
T 21 N

R 18 E

PROJECT LOCATION

T 22 N
T 21 N

THE NOTES,CONVENTIONAL SIGNS, AND ABBREVIATIONS ARE ASSOCIATED WITH EACH TRANSPORTATION PROJECT PLAT FOR PROJECT 4560-08-00

NOTES:

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COUNTY COORDINATES, OUTAGAMIE COUNTY, NAD83(91). THE COORDINATES SHOWN ARE GROUND COORDINATES AND ARE TO BE USED AS GRID OR GROUND VALUES ON THIS PLAT.

ALL NEW RIGHT-OF-WAY MONUMENTS WILL BE TYPE 2 (TYPICALLY 1" X 24" IRON PIPE), UNLESS OTHERWISE NOTED, AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

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

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

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

A TEMPORARY LIMITED EASEMENT (TLE) IS A RIGHT FOR CONSTRUCTION PURPOSES, AS DEFINED HEREIN, INCLUDING THE RIGHT TO OPERATE NECESSARY EQUIPMENT THEREON, 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 DESIRABLE. ALL (TLEs) ON THIS PLAT EXPIRE AT THE COMPLETION OF THE CONSTRUCTION PROJECT FOR WHICH THIS INSTRUMENT IS GIVEN.

A PERMANENT LIMITED EASEMENT (PLE) IS A RIGHT FOR CONSTRUCTION AND MAINTENANCE PURPOSES, AS DEFINED HEREIN, INCLUDING THE RIGHT TO OPERATE NECESSARY EQUIPMENT THEREON AND THE RIGHT OF INGRESS AND EGRESS, AS LONG AS REQUIRED FOR SUCH PUBLIC PURPOSE, INCLUDING THE RIGHT TO PRESERVE, PROTECT, REMOVE, OR PLANT THEREON ANY VEGETATION THAT THE HIGHWAY AUTHORITIES MAY DEEM DESIRABLE, BUT WITHOUT PREJUDICE TO THE OWNER'S RIGHTS TO MAKE OR CONSTRUCT IMPROVEMENTS ON SAID LANDS OR TO FLATTEN THE SLOPES, PROVIDING SAID ACTIVITIES WILL NOT IMPAIR OR OTHERWISE ADVERSELY AFFECT THE HIGHWAY FACILITIES.

A HIGHWAY EASEMENT (HE) IS FOR HIGHWAY PURPOSES (HE), AS LONG AS SO USED, INCLUDING THE RIGHT TO PRESERVE, PROTECT, REMOVE, OR PLANT THEREON ANY VEGETATION THAT THE HIGHWAY AUTHORITIES MAY DEEM DESIRABLE.

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

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

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

EXISTING ACCESS CONTROL ALONG USH 41 HAS BEEN ESTABLISHED FROM PREVIOUS PROJECT T-03-2 (28).

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

EXISTING HIGHWAY RIGHT-OF-WAY FOR STH 55 ESTABLISHED FROM PREVIOUS PROJECT 3657 & 3739 AND EXISTING HIGHWAY RIGHT-OF-WAY FOR SIDE ROADS ESTABLISHED FROM CENTERLINE OF EXISTING PAVEMENTS.

CONVENTIONAL ABBREVIATIONS

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

CURVE DATA

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

CONVENTIONAL SYMBOLS

SECTION LINE
QUARTER LINE
SIXTEENTH LINE
NEW REFERENCE LINE
NEW R/W LINE
EXISTING R/W LINE
PROPERTY LINE
LOT, TIE & OTHER MINOR LINES
CORPORATE LIMITS
UNDERGROUND FACILITY (COMMUNICATIONS, ELECTRIC, ETC) — W (TYPE)
FEE ACQUISITION AREA (HATCHING VARIES BY OWNER)
TEMPORARY LIMITED EASEMENT AREA
EASEMENT AREA (HIGHWAY, PERMANENT LIMITED, OR RESTRICTED DEVELOPMENT)
TRANSMISSION STRUCTURES
BUILDING
NATIONAL GEODETIC SURVEY MONUMENT
SIXTEENTH CORNER MONUMENT

SECTION CORNER
NOTATION FOR COMBUSTABLE FLUIDS — CAUTION
NOTATION FOR HIGH VOLTAGE TRANSMISSION LINES — CAUTION

R/W MONUMENT
NON-MONUMENTED R/W POINT
FOUND IRON PIN
VALVE (GAS, WATER, ETC.) — ⊘ (TYPE)
SIGN — SIGN
OFF-PREMISE SIGN — 41-25 — SIGN

	COMPENSABLE	NON-COMPENSABLE
ELECTRIC POLE	■	□
TELEPHONE POLE	⌀	⌀
PEDESTAL (LABEL TYPE) (TV, TEL, ELEC, ETC.)	⌀	⌀

ACCESS RESTRICTED BY ACQUISITION
NO ACCESS (BY STATUTORY AUTHORITY)
ACCESS RESTRICTED (BY PREVIOUS PROJECT OR CONTROL)

BRIDGE

PARCEL NUMBER 25
UTILITY NUMBER 40

CONVENTIONAL UTILITY SYMBOLS

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

LAYOUT
SCALE 0 0.5 MI. 1 MI.

The most current Right of Way information should be viewed in DOTView using the Real Estate Project ID. The Plat information contained in this AsBuilt Plan may not be the final records.

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 4650-08-21 - 4.01
SHEET 2 OF 2
AMENDMENT NO: 310

FILE NAME : X:\PROJECTS\OUTAGAMIE\4650-08-00 STH 55\DESIGN\C3D\SHEETSPLAN\TPP PLAT_TITLE SHEET.DWG
APPRAISAL PLAT DATE :
PLOT DATE : 12/14/2012 7:46 PM
PLOT BY : JEFF ZLATOHLAVEK PLOT NAME :

TRANSPORTATION PROJECT PLAT NO: 4650-08-21 - 4.01

THAT PART LOTS 1 AND 12, BLOCK 1, GRIGNON ADDTION, PART OF LOT C, ASSESSORS PLAT OF CITY OF KAUKAUNA, PART OF LOT 1, CSM 4807, PART OF LOT 1 CSM 6518, ALL LOCATED IN PRIVATE CLAIM 34; AND PART OF LOT D, ASSESSSORS PLAT OF THE CITY OF KAUKAUNA, PART OF LOTS 1 AND 2, CSM 344, ALL LOCATED IN AND PART OF PRIVATE CLAIM 35;

CITY OF KAUKAUNA, OUTAGAMIE COUNTY, WISCONSIN.

RELOCATION ORDER STH 55 CITY OF KAUKAUNA, DELANGLADE STREET (LAWE STREET-USH 41)

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

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 62.22, WISCONSIN STATUTES, THE CITY OF KAUKAUNA HEREBY ORDERS THAT:

1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE CITY OF KAUKAUNA FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE CITY OF KAUKAUNA, PURSUANT TO THE PROVISIONS OF SECTION 62.22, WISCONSIN STATUTES.

2051573
Recorded
August 13, 2015 10:20 AM
OUTAGAMIE COUNTY
SARAH R VAN CAMP
REGISTER OF DEEDS
Fee Amount: $25.00
Total Pages: 2
Cabinet L Page 127 & 128

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 4650-08-21-4.01
SHEET 1 OF 2
AMENDMENT NO:___

4

SCHEDULE OF LANDS & INTERESTS REQUIRED

PARCEL NUMBER	OWNER (S)	INTEREST REQUIRED	FEE R/W SQ FT, REQUIRED NEW	EXISTING	TOTAL	T.L.E. SQ FT	P.L.E. SQ FT	H.E. SQ FT
1	GERALD G. VAN DYN HOVEN	FEE, PLE, TLE	5,016	---	5,016	4,666	87	---
2	WISCONSIN CENTRAL LTD.	HE, PLE, TLE	---	---	---	1,207	10,186	808
3	MILLS PROPERTY MANAGEMENT, LLC	FEE & TLE	244	---	244	2,170	---	---
4	BRIAN P. AND MAUREEN J. GRANGER	FEE & TLE	384	---	384	739	---	---
5	DAVID R. VIAENE	FEE & TLE	902	---	902	920	---	---
6	JON G. AND JODI A. HUSS	FEE & TLE	159	---	159	396	---	---
7	MARCELENE C. VAN DYN HOVEN	TLE	---	---	---	176	---	---
8	CITY OF KAUKAUNA	TLE	---	---	---	323	---	---

NOTES:

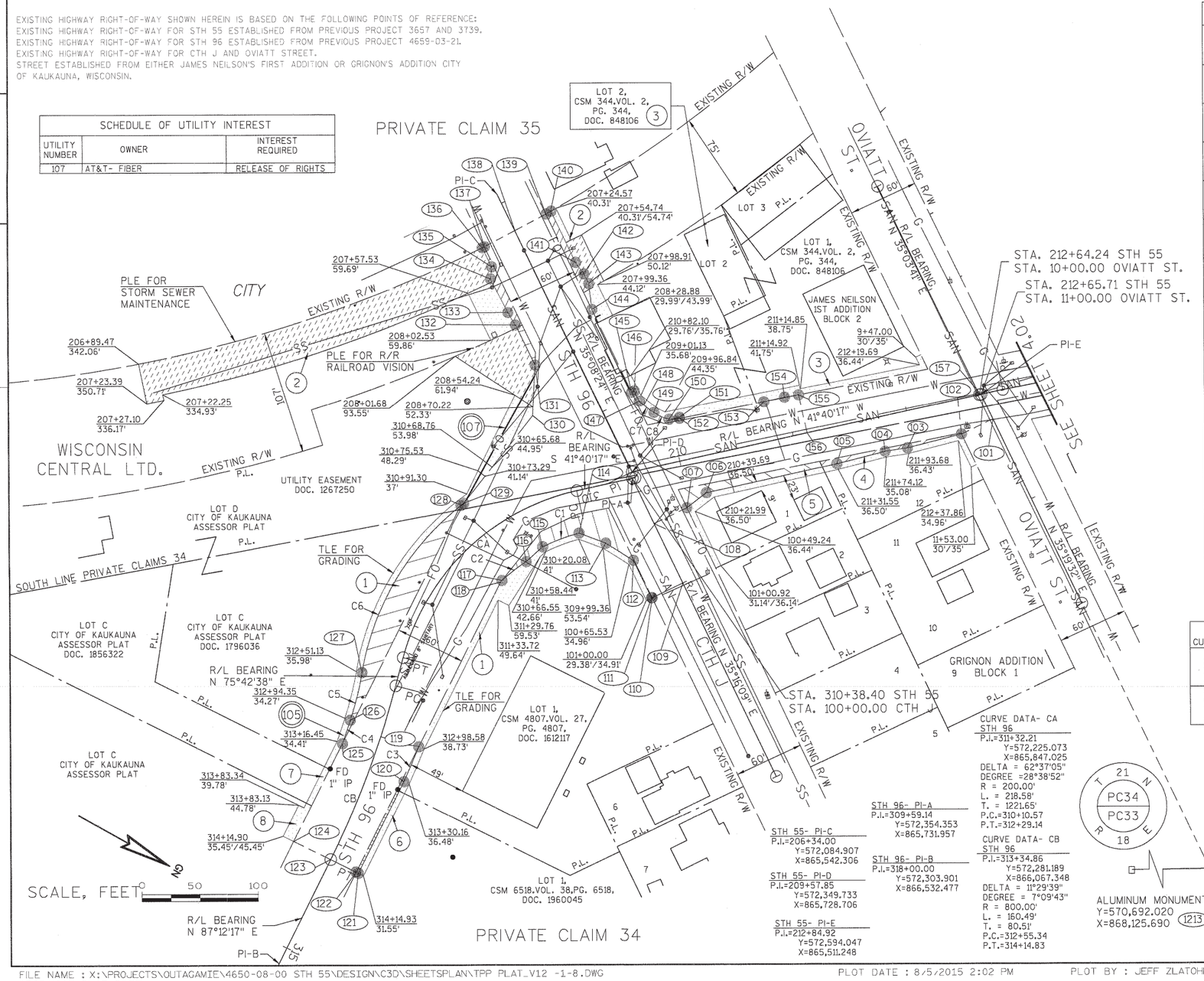
NOTE: OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES AND ARE SUBJECT TO CHANGE PRIOR TO TRANSFER OF LAND INTERESTS TO THE CITY OF KAUKAUNA

COORDINATES AND BEARINGS SHOWN ON THIS PLAT ARE REFERENCED TO THE WISCONSIN COUNTY COORDINATE SYSTEM, OUTAGAMIE COUNTY ZONE, NAD83 (91) ADJUSTMENT. THE COORDINATES SHOWN ARE GRID COORDINATES AND ARE TO BE USED AS GRID OR GROUND VALUES ON THIS PLAT.

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE:
EXISTING HIGHWAY RIGHT-OF-WAY FOR STH 55 ESTABLISHED FROM PREVIOUS PROJECT 3657 AND 3739.
EXISTING HIGHWAY RIGHT-OF-WAY FOR STH 96 ESTABLISHED FROM PREVIOUS PROJECT 4659-03-21.
EXISTING HIGHWAY RIGHT-OF-WAY FOR CTH J AND OVIATT STREET.
STREET ESTABLISHED FROM EITHER JAMES NEILSON'S FIRST ADDITION OR GRIGNON'S ADDITION CITY OF KAUKAUNA, WISCONSIN.

SCHEDULE OF UTILITY INTEREST

UTILITY NUMBER	OWNER	INTEREST REQUIRED
107	AT&T- FIBER	RELEASE OF RIGHTS



R/W COURSE TABLE

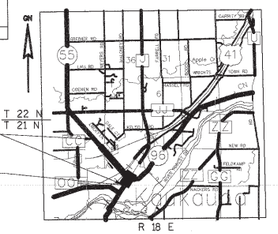
POINT-POINT	BEARING	DISTANCE
1214 - 100	S 40°39'41" E	928.22'
100 - 101	S 35°19'32" W	742.70'
101 - 102	S 54°40'28" E	30.00'
102 - 103	S 43°34'50" E	48.06'
103 - 104	S 37°43'30" E	19.60'
104 - 105	S 43°34'50" E	42.77'
105 - 106	S 41°40'17" E	115.30'
106 - 107	S 66°42'54" E	21.05'
107 - 108	S 54°43'51" E	31.48'
108 - 109	N 35°16'09" E	56.86'
109 - 110	S 54°43'51" E	29.37'
110 - 111	S 54°47'48" E	0.54'
111 - 112	S 35°11'41" W	35.93'
112 - 113	S 02°50'04" W	27.90'
113 - 114	S 08°19'07" E	24.58'
114 - 115	S 49°43'35" E	33.72'
115 - 116	S 71°03'17" E	18.98'
116 - 117	S 66°56'21" E	26.46'
117 - 118	S 80°23'44" E	1.61'
118 - 119	N 87°21'41" E	158.73'
119 - 120	N 83°53'40" E	33.06'
120 - 121	N 87°21'40" E	88.36'
121 - 122	S 02°38'19" E	2.00'
122 - 123	S 02°46'47" E	24.55'
123 - 124	S 02°46'47" E	35.45'
124 - 125	S 87°21'49" W	94.27'
125 - 126	S 79°45'10" W	21.58'
126 - 127	S 74°40'12" W	42.25'
127 - 128	N 88°23'56" W	167.89'
128 - 129	N 66°22'25" W	2.73'
129 - 130	N 80°56'35" W	96.42'
130 - 131	S 63°39'52" W	43.90'
131 - 132	S 35°08'24" W	35.93'
132 - 133	S 30°11'52" W	15.09'
133 - 134	S 33°53'47" W	32.60'
134 - 135	S 65°52'40" W	10.55'
135 - 136	S 35°26'58" W	18.20'
136 - 137	N 55°36'18" W	1.93'
137 - 138	N 57°07'40" W	29.61'
138 - 139	N 57°07'05" W	30.46'
139 - 140	N 58°42'59" W	5.01'
140 - 141	N 35°23'09" E	49.91'
141 - 142	N 23°51'58" E	10.92'
142 - 143	N 34°53'10" E	9.80'
143 - 144	N 54°08'36" E	22.60'
144 - 145	N 35°23'09" E	78.99'
145 - 146	N 54°36'51" W	2.50'
146 - 147	N 35°23'09" E	9.94'
147 - 148	N 11°04'50" E	5.13'
148 - 149	N 07°49'02" E	10.82'
149 - 150	N 04°10'01" W	14.25'
150 - 151	N 40°24'39" W	9.14'
151 - 152	N 49°35'21" E	1.00'
152 - 153	N 40°24'39" W	73.00'
153 - 154	N 41°40'17" W	19.24'
154 - 155	N 38°26'41" W	12.33'
155 - 156	N 48°19'43" E	33.81'
156 - 157	N 41°40'17" W	153.39'
157 - 101	N 35°19'32" E	23.68'

R/W POINT AND OFFSETS

POINT	STATION	OFFSET
101	11+23.68	---
102	212+41.80	29.82'
103	211+93.77	31.42'
104	211+74.21	30.08'
105	211+31.46	31.50'
106	210+16.16	31.50'
107	209+97.09	40.41'
108	100+43.14	---
109	101+00.00	---
110	101+00.00	29.37'
111	101+00.00	29.91'
112	100+64.07	29.96'
113	309+96.20	49.63'
114	310+18.08	36.00'
115	310+59.28	36.00'
116	310+82.21	40.00'
117	311+15.33	40.00'
118	311+17.32	40.24'
119	312+98.04	33.75'
120	313+29.75	31.49'
121	314+14.92	26.55'
122	314+14.91	24.55'
123	314+14.91	---
124	314+14.91	35.45'
125	313+16.79	29.41'
126	312+94.39	29.27'
127	312+50.66	31.00'
128	310+99.63	32.00'
129	310+97.28	31.98'
130	310+27.33	72.50'
131	208+38.33	35.00'
132	208+02.41	35.00'
133	207+87.37	36.30'
134	207+54.78	37.01'
135	207+45.75	31.65'
136	207+27.52	31.52'
137	207+27.50	29.59'
138	207+26.32	---
139	207+25.12	30.44'
140	207+24.79	35.44'
141	207+74.70	35.16'
142	207+85.41	37.36'
143	207+95.21	37.40'
144	208+16.58	30.04'
145	208+95.56	29.70'
146	208+95.57	32.20'
147	209+05.51	32.16'
148	209+10.20	34.25'
149	209+19.81	39.22'
150	209+98.66	37.31'
151	210+07.80	37.11'
152	210+07.78	36.11'
153	210+80.77	34.50'
154	211+00.00	34.50'
155	211+12.32	33.81'
156	211+12.32	---
157	212+65.71	---

CURVE TABLE

CURVE	POINT-POINT	CHORD BEARING	RADIUS	LONG CHORD	ARC LENGTH
1	114 - 115	S 49°43'35" E	163.99'	33.72'	33.78'
2	116 - 117	S 66°56'21" E	160.00'	26.46'	26.49'
3	119 - 120	N 83°53'40" E	1,229.00'	33.06'	33.06'
4	125 - 126	S 79°45'10" W	771.00'	21.58'	21.59'
5	126 - 127	S 74°40'12" W	283.00'	42.25'	42.29'
6	127 - 128	N 88°23'56" W	232.00'	167.89'	171.78'
7	148 - 149	N 07°49'02" E	95.00'	10.82'	10.82'
8	149 - 150	N 04°10'01" W	47.00'	14.25'	14.31'



PROJECT LOCATION NOT TO SCALE

ENGINEERING, INC
Consultant Services

I, MICHAEL D. VANDE HEI, PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE CITY OF KAUKAUNA, I HAVE SURVEYED AND MAPPED TRANSPORTATION PROJECT PLAT 4650-08-21 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

SIGNATURE: _____ DATE:08/05/15
PRINT NAME: MICHAEL D. VANDE HEI
REGISTRATION NUMBER: S-2241

WISCONSIN MICHAEL D. VANDE HEI S-2241 De Pere, WI LAND SURVEYOR

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE CITY OF KAUKAUNA

SIGNATURE: _____ DATE: 08/13/15
PRINT NAME: JOHN SUNDELIUS
DIRECTOR OF PUBLIC WORKS

FILE NAME : X:\PROJECTS\OUTAGAMIE\4650-08-00 STH 55\DESIGN\C3D\SHEETSPLAN\TPP PLAT_V12 -1-8.DWG
APPRAISAL PLAT DATE : ----------
PLOT DATE : 8/5/2015 2:02 PM PLOT BY : JEFF ZLATOHLAVEK PLOT NAME : PLOT SCALE : **********

4

TRANSPORTATION PROJECT PLAT NO: 4650-08-21- 4.01, AMENDMENT NO: 1

AMENDS UTILITY NUMBER 106 OF TPP 4650-08-21-4.01, RECORDED AS DOCUMENT 2051573
THAT PART LOTS 1 AND 12, BLOCK 1, GRIGNON ADDTION, PART OF LOT C, ASSESSORS PLAT OF CITY OF KAUKAUNA, PART OF LOT 1, CSM 4807, PART OF LOT 1 CSM 6518, ALL LOCATED IN PRIVATE CLAIM 34; AND PART OF LOT D, ASSESSORS PLAT OF THE CITY OF KAUKAUNA, PART OF LOTS 1 AND 2, CSM 344, ALL LOCATED IN AND PART OF PRIVATE CLAIM 35;
CITY OF KAUKAUNA, OUTAGAMIE COUNTY, WISCONSIN.

RELOCATION ORDER STH 55 CITY OF KAUKAUNA, DELANGLADE STREET (LAWE STREET-USH 41)

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

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 62.22, WISCONSIN STATUTES, THE CITY OF KAUKAUNA HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE CITY OF KAUKAUNA FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE CITY OF KAUKAUNA, PURSUANT TO THE PROVISIONS OF SECTION 62.22, WISCONSIN STATUTES.

2079009
Recorded
July 25, 2016 2:55 PM
OUTAGAMIE COUNTY
SARAH R VAN CAMP
REGISTER OF DEEDS
Fee Amount: 025.00
Total Pages: 1
CABINET M PAGE 15

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 4650-08-21-4.01
SHEET 1 OF 2
AMENDMENT No: 1

SCHEDULE OF LANDS & INTERESTS REQUIRED

PARCEL NUMBER	OWNER (S)	INTEREST REQUIRED	FEE R/W SQ FT. REQUIRED			T.L.E. SQ FT	P.L.E. SQ FT	H.E. SQ FT
			NEW	EXISTING	TOTAL			
1	GERALD G. VAN DYN HOVEN	FEE, PLE, TLE	5,016	---	5,016	4,668	87	---
2	WISCONSIN CENTRAL LTD.	HE, PLE, TLE	---	---	---	1,207	10,186	808
3	MILLS PROPERTY MANAGEMENT, LLC	FEE & TLE	244	---	244	2,170	---	---
4	BRIAN P. AND MAUREEN J. GRANGER	FEE & TLE	384	---	384	739	---	---
5	DAVID R. VIAENE	FEE & TLE	902	---	902	920	---	---
6	JON G. AND JODI A. HUSS	FEE & TLE	159	---	159	396	---	---
7	MARCELENE C. VAN DYN HOVEN	TLE	---	---	---	176	---	---
8	CITY OF KAUKAUNA	TLE	---	---	---	323	---	---

NOTES:

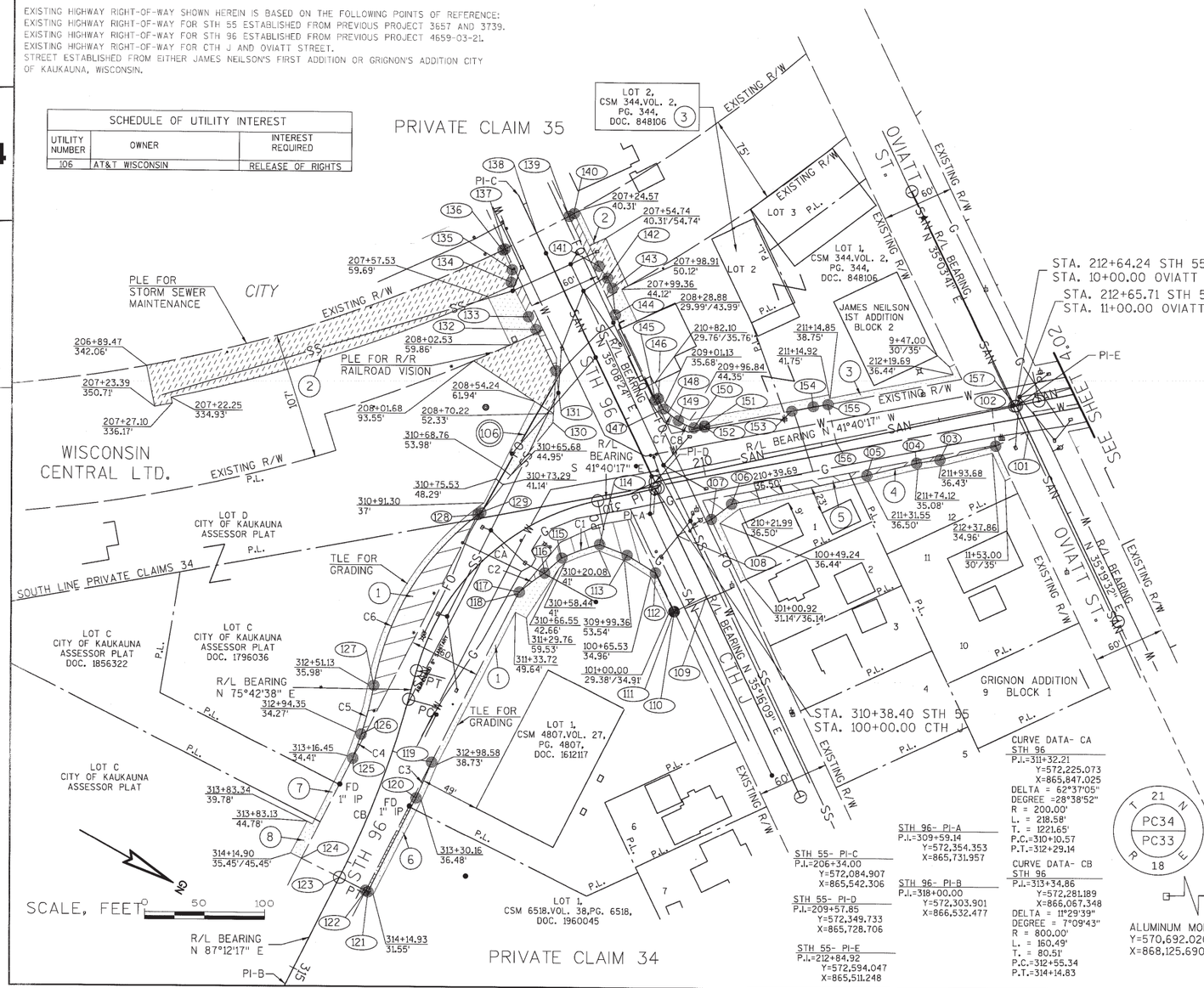
NOTE: OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES AND ARE SUBJECT TO CHANGE PRIOR TO TRANSFER OF LAND INTERESTS TO THE CITY OF KAUKAUNA

COORDINATES AND BEARINGS SHOWN ON THIS PLAT ARE REFERENCED TO THE WISCONSIN COUNTY COORDINATE SYSTEM, OUTAGAMIE COUNTY ZONE, NAD83 (91) ADJUSTMENT. THE COORDINATES SHOWN ARE GRID COORDINATES AND ARE TO BE USED AS GRID OR GROUND VALUES ON THIS PLAT.

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE:
EXISTING HIGHWAY RIGHT-OF-WAY FOR STH 55 ESTABLISHED FROM PREVIOUS PROJECT 3657 AND 3739.
EXISTING HIGHWAY RIGHT-OF-WAY FOR STH 96 ESTABLISHED FROM PREVIOUS PROJECT 4659-03-21.
EXISTING HIGHWAY RIGHT-OF-WAY FOR CTH J AND OVIATT STREET.
STREET ESTABLISHED FROM EITHER JAMES NEILSON'S FIRST ADDITION OR GRIGNON'S ADDITION CITY OF KAUKAUNA, WISCONSIN.

SCHEDULE OF UTILITY INTEREST

UTILITY NUMBER	OWNER	INTEREST REQUIRED
106	AT&T WISCONSIN	RELEASE OF RIGHTS



R/W COURSE TABLE		
POINT-POINT	BEARING	DISTANCE
1214 - 100	S 40°39'41" E	928.22'
100 - 101	S 35°19'32" W	742.70'
101 - 102	S 54°40'28" E	30.00'
102 - 103	S 43°34'50" E	48.06'
103 - 104	S 37°43'30" E	19.60'
104 - 105	S 43°34'50" E	42.77'
105 - 106	S 41°40'17" E	115.30'
106 - 107	S 66°42'54" E	21.05'
107 - 108	S 54°43'51" E	31.48'
108 - 109	N 35°16'09" E	56.86'
109 - 110	S 54°43'51" E	29.37'
110 - 111	S 54°47'48" E	0.54'
111 - 112	S 35°11'41" W	35.93'
112 - 113	S 02°50'04" W	27.90'
113 - 114	S 08°19'07" E	24.58'
114 - 115	S 49°43'35" E	33.72'
115 - 116	S 71°03'17" E	18.98'
116 - 117	S 66°56'21" E	26.46'
117 - 118	S 80°23'44" E	1.61'
118 - 119	N 87°21'41" E	158.73'
119 - 120	N 83°53'40" E	33.06'
120 - 121	N 87°21'40" E	88.36'
121 - 122	S 02°38'19" E	2.00'
122 - 123	S 02°46'47" E	24.55'
123 - 124	S 02°46'47" E	35.46'
124 - 125	S 87°21'49" W	94.27'
125 - 126	S 79°45'10" W	21.58'
126 - 127	S 74°40'12" W	42.25'
127 - 128	N 88°23'56" W	167.89'
128 - 129	N 66°22'25" W	2.73'
129 - 130	N 80°56'35" W	96.42'
130 - 131	S 63°39'52" W	43.90'
131 - 132	S 35°08'24" W	35.93'
132 - 133	S 30°11'52" W	15.09'
133 - 134	S 33°53'47" W	32.60'
134 - 135	S 65°52'40" W	10.55'
135 - 136	S 35°26'58" W	18.20'
136 - 137	N 55°36'18" W	1.93'
137 - 138	N 57°07'40" W	29.61'
138 - 139	N 57°07'05" W	30.46'
139 - 140	N 58°42'59" W	5.01'
140 - 141	N 35°23'09" E	49.91'
141 - 142	N 23°51'58" E	10.92'
142 - 143	N 34°53'10" E	9.80'
143 - 144	N 54°08'36" E	22.60'
144 - 145	N 35°23'09" E	78.99'
145 - 146	N 54°36'51" W	2.50'
146 - 147	N 35°23'09" E	9.94'
147 - 148	N 11°04'50" E	5.13'
148 - 149	N 07°49'02" E	10.82'
149 - 150	N 04°10'01" W	14.25'
150 - 151	N 40°24'39" W	9.14'
151 - 152	N 49°35'21" E	1.00'
152 - 153	N 40°24'39" W	73.00'
153 - 154	N 41°40'17" W	19.24'
154 - 155	N 38°26'41" W	12.33'
155 - 156	N 48°19'43" E	33.81'
156 - 157	N 41°40'17" W	153.39'
157 - 101	N 35°19'32" E	23.68'

R/W POINT AND OFFSETS		
POINT	STATION	OFFSET
101	11+23.68	---
102	212+41.80	29.82'
103	211+93.77	31.42'
104	211+74.21	30.08'
105	211+31.46	31.50'
106	210+16.16	31.50'
107	209+97.09	40.41'
108	100+43.14	---
109	101+00.00	---
110	101+00.00	29.37'
111	101+00.00	29.91'
112	100+64.07	29.96'
113	309+96.20	49.63'
114	310+18.08	36.00'
115	310+59.28	36.00'
116	310+82.21	40.00'
117	311+15.33	40.00'
118	311+17.32	40.24'
119	312+98.04	33.75'
120	313+29.75	31.49'
121	314+14.92	26.55'
122	314+14.91	24.55'
123	314+14.91	---
124	314+14.91	35.45'
125	313+16.79	29.41'
126	312+94.39	29.27'
127	312+50.66	31.00'
128	310+99.63	32.00'
129	310+97.28	31.98'
130	310+27.33	72.50'
131	208+38.33	35.00'
132	208+02.41	35.00'
133	207+87.37	36.30'
134	207+54.78	37.01'
135	207+45.75	31.65'
136	207+27.52	31.52'
137	207+27.50	29.59'
138	207+26.32	---
139	207+25.12	30.44'
140	207+24.79	35.44'
141	207+74.70	35.16'
142	207+85.41	37.36'
143	207+95.21	37.40'
144	208+16.58	30.04'
145	208+95.56	29.70'
146	208+95.57	32.20'
147	209+05.51	32.16'
148	209+10.20	34.25'
149	209+19.81	39.22'
150	209+98.66	37.31'
151	210+07.80	37.11'
152	210+07.78	36.11'
153	210+80.77	34.50'
154	211+00.00	34.50'
155	211+12.32	33.81'
156	211+12.32	---
157	212+65.71	---

CURVE TABLE					
CURVE	POINT-POINT	CHORD BEARING	RADIUS	LONG CHORD	ARC LENGTH
1	114 - 115	S 49°43'35" E	163.99'	33.72'	33.78'
2	116 - 117	S 66°56'21" E	160.00'	26.46'	26.49'
3	119 - 120	N 83°53'40" E	1,229.00'	33.06'	33.06'
4	125 - 126	S 79°45'10" W	771.00'	21.58'	21.59'
5	126 - 127	S 74°40'12" W	283.00'	42.25'	42.29'
6	127 - 128	N 88°23'56" W	232.00'	167.89'	171.78'
7	148 - 149	N 07°49'02" E	95.00'	10.82'	10.82'
8	149 - 150	N 04°10'01" W	47.00'	14.25'	14.31'

STH 96- PI-A
P.I.=309+59.14
Y=572,354.353
X=865,731.957

STH 96- PI-B
P.I.=318+00.00
Y=572,303.901
X=866,532.477

STH 55- PI-C
P.I.=206+34.00
Y=572,084.907
X=865,542.306

STH 55- PI-D
P.I.=209+57.85
Y=572,349.733
X=865,728.706

STH 55- PI-E
P.I.=212+84.92
Y=572,594.047
X=865,511.248

CURVE DATA- CA
STH 96
P.I.=311+32.21
Y=572,225.073
X=865,847.025
DELTA = 62°37'05"
DEGREE =28°38'52"
R = 200.00'
L. = 218.58'
T. = 1221.65'
P.C.=310+10.57
P.T.=312+29.14

CURVE DATA- CB
STH 96
P.I.=313+34.86
Y=572,281.189
X=866,067.348
DELTA = 11°29'39"
DEGREE = 7°09'43"
R = 800.00'
L. = 160.49'
T. = 80.51'
P.C.=312+55.34
P.T.=314+14.83

T 22 N
T 21 N
PROJECT LOCATION
SHEET LOCATION
R 18 E
PROJECT LOCATION NOT TO SCALE

JT ENGINEERING, INC Consultant Services

I, MICHAEL D. VANDE HEI, PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE CITY OF KAUKAUNA, I HAVE SURVEYED AND MAPPED TRANSPORTATION PROJECT PLAT 4650-08-21 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

SIGNATURE: _____ DATE: 07/20/16
PRINT NAME: MICHAEL D. VANDE HEI
REGISTRATION NUMBER: S-2241

WISCONSIN MICHAEL D. VANDE HEI S-2241 De Pere, WI LAND SURVEYOR

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE CITY OF KAUKAUNA

SIGNATURE: _____ DATE: 07/25/16
PRINT NAME: JOHN SUNDELIUS
DIRECTOR OF PUBLIC WORKS

FILE NAME : X:\PROJECTS\OUTAGAMIE\4650-08-00 STH 55\DESIGN\C3D\SHEETSPLAN\TPP PLAT_V12 -1-8.DWG
APPRAISAL PLAT DATE : _____
PLOT DATE : 6/30/2016 2:52 PM PLOT BY : JEFF ZLATOHLAVEK PLOT NAME : PLOT SCALE : **********

TRANSPORTATION PROJECT PLAT NO: 4650-08-21- 4.01, AMENDMENT NO: 2

AMENDS PARCEL 1 SQUARE FOOTAGE CHANGE OF P.L.E AREA OF TPP 4650-08-21-4.01 AMENDMENT NO.1 RECORDED AS DOCUMENT 2079009
THAT PART LOTS 1 AND 12, BLOCK 1, GRIGNON ADDTION, PART OF LOT C, ASSESSORS PLAT OF CITY OF KAUKAUNA, PART OF LOT 1, CSM 4807, PART OF LOT 1 CSM 6518, ALL LOCATED IN PRIVATE CLAIM 34; AND PART OF LOT D, ASSESSSORS PLAT OF THE CITY OF KAUKAUNA, PART OF LOTS 1 AND 2, CSM 344, ALL LOCATED IN AND PART OF PRIVATE CLAIM 35; CITY OF KAUKAUNA, OUTAGAMIE COUNTY, WISCONSIN.

RELOCATION ORDER STH 55 CITY OF KAUKAUNA, DELANGLADE STREET (LAWE STREET-USH 41)

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

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 62.22, WISCONSIN STATUTES, THE CITY OF KAUKAUNA HEREBY ORDERS THAT:

1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE CITY OF KAUKAUNA FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE CITY OF KAUKAUNA, PURSUANT TO THE PROVISIONS OF SECTION 62.22, WISCONSIN STATUTES.

2089740
Recorded
November 11, 2016 1:02 PM
OUTAGAMIE COUNTY
SARAH R VAN CAMP
REGISTER OF DEEDS
Fee Amount: $25.00
Total Pages: 1
Cabinet M Page 95

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 4650-08-21-4.01
SHEET 1 OF 2
AMENDMENT NO:.2.

SCHEDULE OF LANDS & INTERESTS REQUIRED

PARCEL NUMBER	OWNER (S)	INTEREST REQUIRED	FEE R/W SQ FT. REQUIRED NEW	EXISTING	TOTAL	T.L.E. SQ FT	P.L.E. SQ FT	H.E. SQ FT
1	GERALD C. VAN DYN HOVEN	FEE, PLE, TLE	5,016	---	5,016	4,666	2,376	---
2	WISCONSIN CENTRAL LTD.	HE, PLE, TLE	---	---	---	1,207	10,186	808
3	MILLS PROPERTY MANAGEMENT, LLC	FEE & TLE	244	---	244	2,170	---	---
4	BRIAN P. AND MAUREEN J. GRANGER	FEE & TLE	384	---	384	739	---	---
5	DAVID R. VIAENE	FEE & TLE	902	---	902	920	---	---
6	JON G. AND JODI A. HUSS	FEE & TLE	159	---	159	396	---	---
7	MARCELENE C. VAN DYN HOVEN	TLE	---	---	---	176	---	---
8	CITY OF KAUKAUNA	TLE	---	---	---	323	---	---

NOTES:

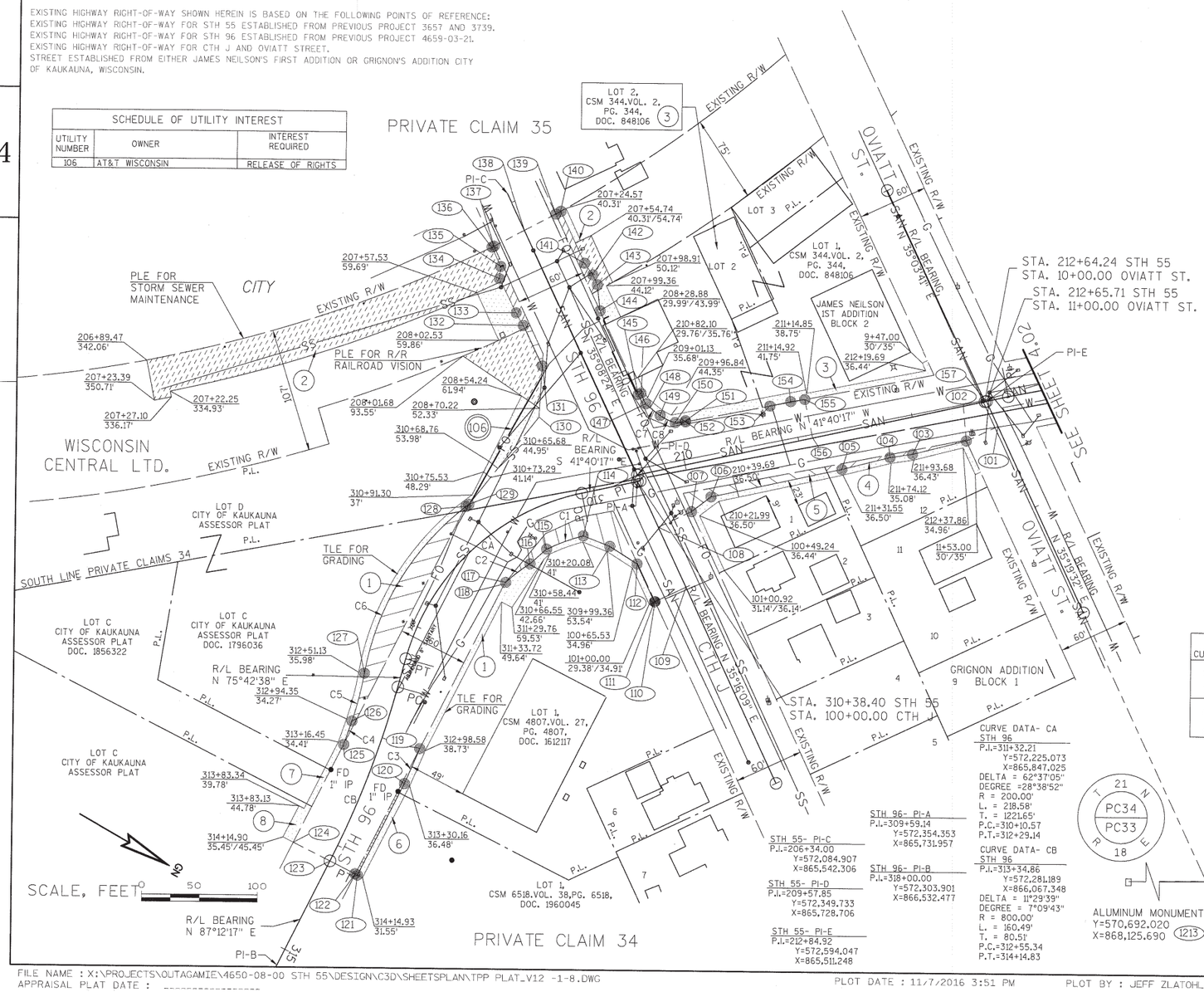
NOTE: OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES AND ARE SUBJECT TO CHANGE PRIOR TO TRANSFER OF LAND INTERESTS TO THE CITY OF KAUKAUNA

COORDINATES AND BEARINGS SHOWN ON THIS PLAT ARE REFERENCED TO THE WISCONSIN COUNTY COORDINATE SYSTEM, OUTAGAMIE COUNTY ZONE, NAD83 (91) ADJUSTMENT. THE COORDINATES SHOWN ARE GRID COORDINATES AND ARE TO BE USED AS GRID OR GROUND VALUES ON THIS PLAT.

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE:
EXISTING HIGHWAY RIGHT-OF-WAY FOR STH 55 ESTABLISHED FROM PREVIOUS PROJECT 3657 AND 3739.
EXISTING HIGHWAY RIGHT-OF-WAY FOR STH 96 ESTABLISHED FROM PREVIOUS PROJECT 4659-03-21.
EXISTING HIGHWAY RIGHT-OF-WAY FOR CTH J AND OVIATT STREET.
STREET ESTABLISHED FROM EITHER JAMES NEILSON'S FIRST ADDITION OR GRIGNON'S ADDITION CITY OF KAUKAUNA, WISCONSIN.

SCHEDULE OF UTILITY INTEREST

UTILITY NUMBER	OWNER	INTEREST REQUIRED
106	AT&T WISCONSIN	RELEASE OF RIGHTS



R/W COURSE TABLE

POINT-POINT	BEARING	DISTANCE
1214 - 100	S 40°39'41" E	928.22'
100 - 101	S 35°19'32" W	742.70'
101 - 102	S 54°40'28" E	30.00'
102 - 103	S 43°34'50" E	48.06'
103 - 104	S 37°43'30" E	19.60'
104 - 105	S 43°34'50" E	42.77'
105 - 106	S 41°40'17" E	115.30'
106 - 107	S 66°42'54" E	21.05'
107 - 108	S 54°43'51" E	31.48'
108 - 109	N 35°16'09" E	56.86'
109 - 110	S 54°43'51" E	29.37'
110 - 111	S 54°47'48" E	0.54'
111 - 112	S 35°11'41" W	35.93'
112 - 113	S 02°50'04" W	27.90'
113 - 114	S 08°19'07" E	24.58'
114 - 115	S 49°43'35" E	33.72'
115 - 116	S 71°03'17" E	18.98'
116 - 117	S 66°56'21" E	26.46'
117 - 118	S 80°23'44" E	1.61'
118 - 119	N 87°21'41" E	158.73'
119 - 120	N 83°53'40" E	33.06'
120 - 121	N 87°21'40" E	88.36'
121 - 122	S 02°38'19" E	2.00'
122 - 123	S 02°46'47" E	24.55'
123 - 124	S 02°46'47" E	35.45'
124 - 125	S 87°21'49" W	94.27'
125 - 126	S 79°45'10" W	21.58'
126 - 127	S 74°40'12" W	42.25'
127 - 128	N 88°23'56" W	167.89'
128 - 129	N 66°22'25" W	2.73'
129 - 130	N 80°56'35" W	96.42'
130 - 131	S 63°39'52" W	43.90'
131 - 132	S 35°08'24" W	35.93'
132 - 133	S 30°11'52" W	15.09'
133 - 134	S 33°53'47" W	32.60'
134 - 135	S 65°52'40" W	10.55'
135 - 136	S 35°26'58" W	18.20'
136 - 137	N 55°36'18" W	1.93'
137 - 138	N 57°07'40" W	29.61'
138 - 139	N 57°07'05" W	30.46'
139 - 140	N 58°42'59" W	5.01'
140 - 141	N 35°23'09" E	49.91'
141 - 142	N 23°51'58" E	10.92'
142 - 143	N 34°53'10" E	9.80'
143 - 144	N 54°08'36" E	22.60'
144 - 145	N 35°23'09" E	78.99'
145 - 146	N 54°36'51" W	2.50'
146 - 147	N 35°23'09" E	9.94'
147 - 148	N 11°04'50" E	5.13'
148 - 149	N 07°49'02" E	10.82'
149 - 150	N 04°10'01" W	14.25'
150 - 151	N 40°24'39" W	9.14'
151 - 152	N 49°35'21" E	1.00'
152 - 153	N 40°24'39" W	73.00'
153 - 154	N 41°40'17" W	19.24'
154 - 155	N 38°26'41" W	12.33'
155 - 156	N 48°19'43" E	33.81'
156 - 157	N 41°40'17" W	153.39'
157 - 101	N 35°19'32" E	23.68'

R/W POINT AND OFFSETS

POINT	STATION	OFFSET
101	11+23.68	---
102	212+41.80	29.82'
103	211+93.77	31.42'
104	211+74.21	30.08'
105	211+31.46	31.50'
106	210+15.16	31.50'
107	209+97.09	40.41'
108	100+43.14	---
109	101+00.00	---
110	101+00.00	29.37'
111	101+00.00	29.91'
112	100+64.07	29.96'
113	309+36.20	49.63'
114	310+18.08	36.00'
115	310+59.28	36.00'
116	310+82.21	40.00'
117	311+15.33	40.00'
118	311+17.32	40.24'
119	312+98.04	33.75'
120	313+29.75	31.49'
121	314+14.92	26.55'
122	314+14.91	24.55'
123	314+14.91	---
124	314+14.91	35.45'
125	313+15.79	29.41'
126	312+94.39	29.27'
127	312+50.66	31.00'
128	310+99.63	32.00'
129	310+97.28	31.98'
130	310+27.33	72.50'
131	208+38.33	35.00'
132	208+02.41	35.00'
133	207+87.37	36.30'
134	207+54.78	37.01'
135	207+45.75	31.65'
136	207+27.52	31.52'
137	207+27.50	29.59'
138	207+26.32	---
139	207+25.12	30.44'
140	207+24.79	35.44'
141	207+74.70	35.16'
142	207+85.41	37.36'
143	207+95.21	37.40'
144	208+16.58	30.04'
145	208+95.56	29.70'
146	208+95.57	32.20'
147	209+05.51	32.16'
148	209+10.20	34.25'
149	209+19.81	39.22'
150	209+98.66	37.31'
151	210+07.80	37.11'
152	210+07.78	36.11'
153	210+80.77	34.50'
154	211+00.00	34.50'
155	211+12.32	33.81'
156	211+12.32	---
157	212+65.71	---

CURVE TABLE

CURVE	POINT-POINT	CHORD BEARING	RADIUS	LONG CHORD	ARC LENGTH
1	114 - 115	S 49°43'35" E	163.99'	33.72'	33.78'
2	116 - 117	S 66°56'21" E	160.00'	26.46'	26.49'
3	119 - 120	N 83°53'40" E	1,229.00'	33.06'	33.06'
4	125 - 126	S 79°45'10" W	771.00'	21.58'	21.59'
5	126 - 127	S 74°40'12" W	283.00'	42.25'	42.29'
6	127 - 128	N 88°23'56" W	232.00'	167.89'	171.78'
7	148 - 149	N 07°49'02" E	95.00'	10.82'	10.82'
8	149 - 150	N 04°10'01" W	47.00'	14.25'	14.31'

CURVE DATA- CA
STH 96
P.I.=311+32.21
Y=572,225.073
X=865,847.025
DELTA = 62°37'05"
DEGREE =28°38'52"
R = 200.00'
L. = 218.58'
T. = 122.65'
P.C.=310+10.57
P.T.=312+29.14

CURVE DATA- CB
STH 96
P.I.=313+34.86
Y=572,281.189
X=866,067.348
DELTA = 11°29'39"
DEGREE = 7°09'43"
R = 800.00'
L. = 160.49'
T. = 80.51'
P.C.=312+55.34
P.T.=314+14.83

STH 96- PI-A
P.I.=309+59.14
Y=572,354.353
X=865,731.957

STH 96- PI-B
P.I.=318+00.00
Y=572,303.901
X=866,532.477

STH 55- PI-C
P.I.=206+34.00
Y=572,084.907
X=865,542.306

STH 55- PI-D
P.I.=209+57.85
Y=572,349.733
X=865,728.706

STH 55- PI-E
P.I.=212+84.92
Y=572,594.047
X=865,511.248

ALUMINUM MONUMENT
Y=570,692.020
X=868,125.690 (1213)

NORTH LINE PRIVATE CLAIM 34
BEARING S40°39'41"E, 4,240.95'

ALUMINUM MONUMENT
Y=573,909.090
X=865,362.340 (1214)

T 21 N R 18 E PC34 PC33

PROJECT LOCATION
SHEET LOCATION
T 22 N
T 21 N
R 18 E
PROJECT LOCATION NOT TO SCALE

JJ ENGINEERING, INC
Consultant Services

I, MICHAEL D. VANDE HEI, PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE CITY OF KAUKAUNA, I HAVE SURVEYED AND MAPPED TRANSPORTATION PROJECT PLAT 4650-08-21 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

SIGNATURE: _____ DATE: 11/08/16
PRINT NAME: MICHAEL D. VANDE HEI
REGISTRATION NUMBER: S-2241

WISCONSIN MICHAEL D. VANDE HEI S-2241 De Pere, WI LAND SURVEYOR

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE CITY OF KAUKAUNA

SIGNATURE: _____ DATE: 11/09/16
PRINT NAME: JOHN SUNDELIUS
DIRECTOR OF PUBLIC WORKS

FILE NAME : X:\PROJECTS\OUTAGAMIE\4650-08-00 STH 55\DESIGN\C3D\SHEETSPLAN\TPP PLAT_V12 -1-8.DWG
APPRAISAL PLAT DATE : _____
PLOT DATE : 11/7/2016 3:51 PM
PLOT BY : JEFF ZLATOHLAVEK
PLOT NAME :
PLOT SCALE : ==========

TRANSPORTATION PROJECT PLAT NO: 4650-08-21- 4.01, AMENDMENT NO: 3

AMENDS SECTION CORNER COORDINATES, LEAD IN BEARING AND DISTANCE OF TPP 4650-08-21-4.01, AMENDMENT NO. 2, RECORDED AS DOCUMENT 2089740, TPP 4650-08-21-4.01, AMENDMENT NO. 1, RECORDED AS DOCUMENT 2079009, AND TPP 4650-08-21-4.01, RECORDED AS DOCUMENT 2051573.

THAT PART LOTS 1 AND 12, BLOCK 1, GRIGNON ADDTION, PART OF LOT C, ASSESSORS PLAT OF CITY OF KAUKAUNA, PART OF LOT 1, CSM 4807, PART OF LOT 1 CSM 6518, ALL LOCATED IN PRIVATE CLAIM 34; AND PART OF LOT D, ASSESSSORS PLAT OF THE CITY OF KAUKAUNA, PART OF LOTS 1 AND 2, CSM 344, ALL LOCATED IN AND PART OF PRIVATE CLAIM 35; CITY OF KAUKAUNA, OUTAGAMIE COUNTY, WISCONSIN.

RELOCATION ORDER STH 55 CITY OF KAUKAUNA, DELANGLADE STREET (LAWE STREET-USH 41)

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

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 62.22, WISCONSIN STATUTES, THE CITY OF KAUKAUNA HEREBY ORDERS THAT:

1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE CITY OF KAUKAUNA FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE CITY OF KAUKAUNA, PURSUANT TO THE PROVISIONS OF SECTION 62.22, WISCONSIN STATUTES.

2111920
Recorded
August 15, 2017 12:18 PM
OUTAGAMIE COUNTY
SARAH B VAN CAMP
REGISTER OF DEEDS
Fee Amount: $25.00
Total Pages: 1
Cabinet M, Page 94

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 4650-08-21-4.01
SHEET 1 OF 2 SHTS
AMENDMENT NO: 3.

SCHEDULE OF LANDS & INTERESTS REQUIRED

PARCEL NUMBER	OWNER (S)	INTEREST REQUIRED	FEE R/W SQ FT. REQUIRED NEW	EXISTING	TOTAL	T.L.E. SQ FT	P.L.E. SQ FT	H.E. SQ FT
1	GERALD G. VAN DYN HOVEN	FEE, PLE, TLE	5,016	---	5,016	4,666	2,376	---
2	WISCONSIN CENTRAL, LTD.	HE, PLE, TLE	---	---	---	1,207	10,186	808
3	MILLS PROPERTY MANAGEMENT, LLC	FEE & TLE	244	---	244	2,170	---	---
4	BRIAN P. AND MAUREEN J. GRANGER	FEE & TLE	384	---	384	739	---	---
5	DAVID R. VIAENE	FEE & TLE	902	---	902	920	---	---
6	JON G. AND JODI A. HUSS	FEE & TLE	159	---	159	396	---	---
7	MARCELENE C. VAN DYN HOVEN	TLE	---	---	---	176	---	---
8	CITY OF KAUKAUNA	TLE	---	---	---	323	---	---

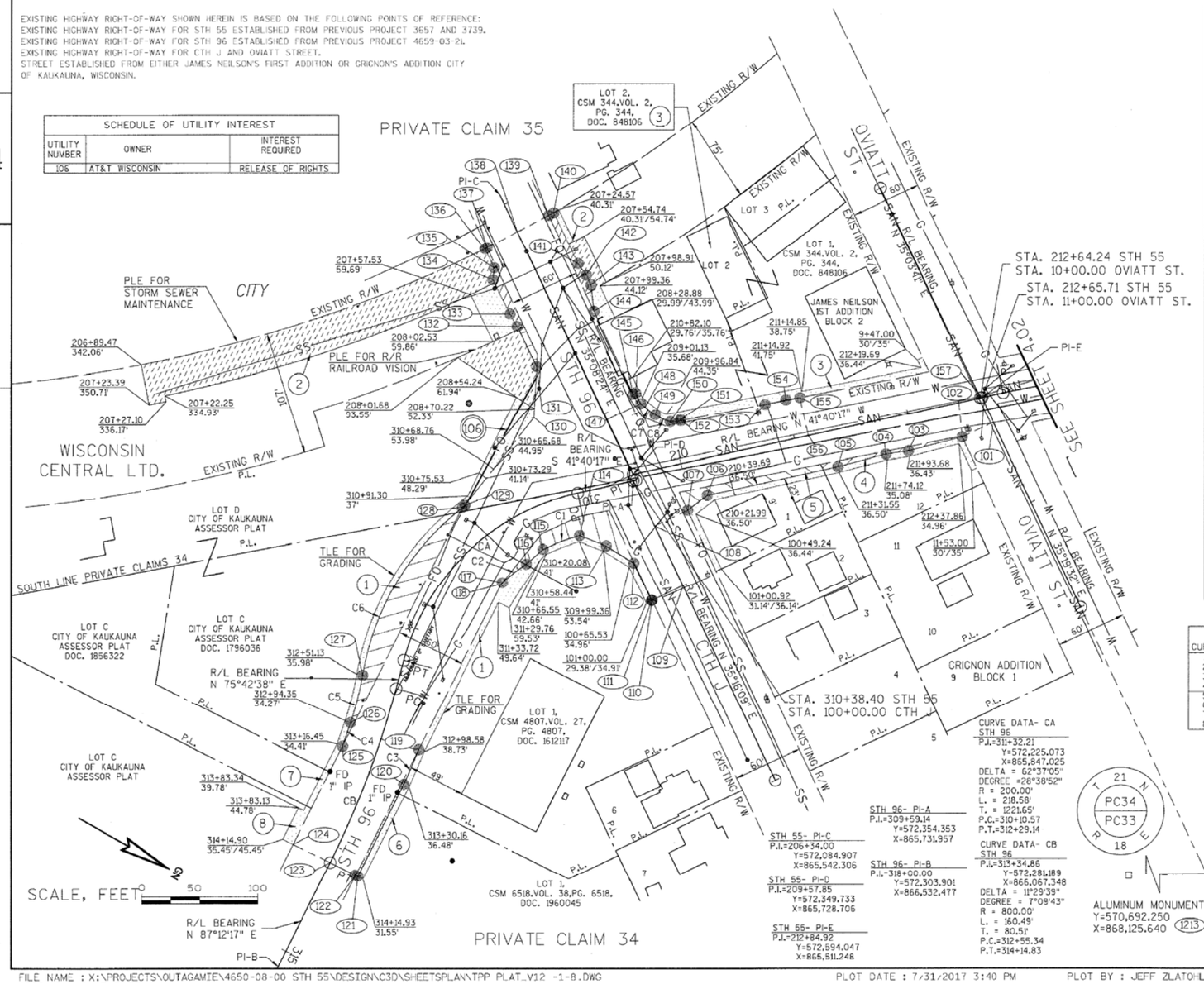
NOTES: NOTE: OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES AND ARE SUBJECT TO CHANGE PRIOR TO TRANSFER OF LAND INTERESTS TO THE CITY OF KAUKAUNA

COORDINATES AND BEARINGS SHOWN ON THIS PLAT ARE REFERENCED TO THE WISCONSIN COUNTY COORDINATE SYSTEM, OUTAGAMIE COUNTY ZONE, NAD83 (91) ADJUSTMENT. THE COORDINATES SHOWN ARE GRID COORDINATES AND ARE TO BE USED AS GRID OR GROUND VALUES ON THIS PLAT.

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE:
EXISTING HIGHWAY RIGHT-OF-WAY FOR STH 55 ESTABLISHED FROM PREVIOUS PROJECT 3657 AND 3739.
EXISTING HIGHWAY RIGHT-OF-WAY FOR STH 96 ESTABLISHED FROM PREVIOUS PROJECT 4659-03-21.
EXISTING HIGHWAY RIGHT-OF-WAY FOR CTH J AND OVIATT STREET.
STREET ESTABLISHED FROM EITHER JAMES NEILSON'S FIRST ADDITION OR GRIGNON'S ADDITION CITY OF KAUKAUNA, WISCONSIN.

SCHEDULE OF UTILITY INTEREST

UTILITY NUMBER	OWNER	INTEREST REQUIRED
106	AT&T WISCONSIN	RELEASE OF RIGHTS



R/W COURSE TABLE

POINT-POINT	BEARING	DISTANCE
1214 - 100	S 40°39'42" E	926.55'
100 - 101	S 35°19'32" W	742.80'
101 - 102	S 54°40'28" E	30.00'
102 - 103	S 43°34'50" E	48.06'
103 - 104	S 37°43'30" E	19.60'
104 - 105	S 43°34'50" E	42.77'
105 - 106	S 41°40'17" E	115.30'
106 - 107	S 66°42'54" E	21.05'
107 - 108	S 54°43'51" E	31.48'
108 - 109	N 35°16'09" E	56.86'
109 - 110	S 54°43'51" E	29.37'
110 - 111	S 54°47'48" E	0.54'
111 - 112	S 35°11'47" W	35.93'
112 - 113	S 02°50'04" W	27.90'
113 - 114	S 08°19'07" E	24.58'
114 - 115	S 49°43'35" E	33.72'
115 - 116	S 71°03'17" E	18.98'
116 - 117	S 66°56'21" E	26.46'
117 - 118	S 80°23'44" E	1.61'
118 - 119	N 87°21'41" E	158.73'
119 - 120	N 83°53'40" E	33.06'
120 - 121	N 87°21'40" E	88.36'
121 - 122	S 02°38'19" E	2.00'
122 - 123	S 02°46'47" E	24.55'
123 - 124	S 02°46'47" E	35.45'
124 - 125	S 87°21'49" W	94.27'
125 - 126	S 79°45'10" W	21.58'
126 - 127	S 74°40'12" W	42.25'
127 - 128	N 88°23'56" W	167.89'
128 - 129	N 66°22'25" W	2.73'
129 - 130	N 80°56'35" W	96.42'
130 - 131	S 63°39'52" W	43.90'
131 - 132	S 35°08'24" W	35.93'
132 - 133	S 30°11'52" W	15.09'
133 - 134	S 33°53'47" W	32.60'
134 - 135	S 65°52'40" W	10.55'
135 - 136	S 35°26'58" W	18.20'
136 - 137	N 55°36'18" W	1.93'
137 - 138	N 57°07'40" W	29.61'
138 - 139	N 57°07'05" W	30.46'
139 - 140	N 58°42'59" W	5.01'
140 - 141	N 35°23'09" E	49.91'
141 - 142	N 23°51'58" E	10.92'
142 - 143	N 34°53'10" E	9.80'
143 - 144	N 54°08'36" E	22.60'
144 - 145	N 35°23'09" E	78.99'
145 - 146	N 54°36'51" W	2.50'
146 - 147	N 35°23'09" E	9.96'
147 - 148	N 11°04'50" E	5.13'
148 - 149	N 07°49'02" E	10.82'
149 - 150	N 04°10'01" W	14.25'
150 - 151	N 40°24'39" W	9.16'
151 - 152	N 49°35'21" E	1.00'
152 - 153	N 40°24'39" W	73.00'
153 - 154	N 41°40'17" W	19.24'
154 - 155	N 38°26'41" W	12.33'
155 - 156	N 48°19'43" E	33.81'
156 - 157	N 41°40'17" W	153.30'
157 - 101	N 35°19'32" E	23.68'

CURVE TABLE

CURVE	POINT-POINT	CHORD BEARING	RADIUS	LONG CHORD	ARC LENGTH
1	114 - 115	S 49°43'35" E	163.99'	33.72'	33.78'
2	116 - 117	S 66°56'21" E	160.00'	26.46'	26.49'
3	119 - 120	N 83°53'40" E	1,229.00'	33.06'	33.06'
4	125 - 126	S 79°45'10" W	771.00'	21.58'	21.59'
5	126 - 127	S 74°40'12" W	283.00'	42.25'	42.29'
6	127 - 128	N 88°23'56" W	232.00'	167.89'	171.78'
7	148 - 149	N 07°49'02" E	95.00'	10.82'	10.82'
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R/W POINT AND OFFSETS

POINT	STATION	OFFSET
101	11+23.68	---
102	212+41.80	29.82'
103	211+93.77	31.42'
104	211+74.21	30.08'
105	211+31.46	31.50'
106	210+16.15	31.50'
107	209+97.09	40.41'
108	100+43.14	---
109	101+00.00	---
110	101+00.00	29.37'
111	101+00.00	29.91'
112	100+64.07	29.96'
113	309+96.20	45.63'
114	310+18.08	36.00'
115	310+59.28	36.00'
116	310+82.21	40.00'
117	311+15.33	40.00'
118	311+17.32	40.24'
119	312+98.04	33.75'
120	313+29.75	31.49'
121	314+14.92	26.55'
122	314+14.91	24.55'
123	314+14.91	---
124	314+14.91	35.45'
125	313+16.79	29.41'
126	312+94.39	29.27'
127	312+50.66	31.00'
128	310+99.63	32.00'
129	310+97.28	31.98'
130	310+27.33	72.50'
131	208+38.33	35.00'
132	208+02.41	35.00'
133	207+87.37	36.30'
134	207+54.78	37.01'
135	207+45.75	31.65'
136	207+27.52	31.52'
137	207+27.50	29.59'
138	207+26.32	---
139	207+25.12	30.44'
140	207+24.79	35.44'
141	207+74.70	35.16'
142	207+85.41	37.36'
143	207+95.21	37.40'
144	208+16.58	30.04'
145	208+95.56	29.70'
146	208+95.57	32.20'
147	209+05.51	32.16'
148	209+10.20	34.25'
149	209+85.81	39.22'
150	209+98.66	37.31'
151	210+07.80	37.11'
152	210+07.78	36.11'
153	210+80.77	34.50'
154	211+00.00	34.50'
155	211+12.32	33.81'
156	211+12.32	---
157	212+65.71	---

PROJECT LOCATION NOT TO SCALE

JT ENGINEERING, INC Consultant Services

I, MICHAEL D. VANDE HEI, PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE CITY OF KAUKAUNA, I HAVE SURVEYED AND MAPPED TRANSPORTATION PROJECT PLAT 4650-08-21 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

SIGNATURE: _____ DATE: 8/4/17
PRINT NAME: MICHAEL D. VANDE HEI
REGISTRATION NUMBER: S-2241

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE CITY OF KAUKAUNA

SIGNATURE: _____ DATE: 8/4/17
PRINT NAME: JOHN SUNDELIUS
DIRECTOR OF PUBLIC WORKS

WISCONSIN MICHAEL D. VANDE HEI S-2241 De Pere, WI LAND SURVEYOR

FILE NAME : X:\PROJECTS\OUTAGAMIE\4650-08-00 STH 55\DESIGN\C3D\SHEETSPLAN\TPP PLAT_V12 -1-8.DWG
APPRAISAL PLAT DATE : _____
PLOT DATE : 7/31/2017 3:40 PM PLOT BY : JEFF ZLATOHLAVEK PLOT NAME : PLOT SCALE : **********

TRANSPORTATION PROJECT PLAT NO: 4650-08-21 - 4.02

THAT PART OF LOTS 1 AND 12, BLOCK 4, GRIGNON ADDITION, PART OF LOTS 1 AND 12, BLOCK 5, GRIGNON ADDITION, PART OF LOT 1, BLOCK 8, GRIGNON ADDITION, ALL LOCATED IN PRIVATE CLAIM 34; AND PART OF LOT 7,8,9 AND 10, BLOCK 3, JAMES NEILSON ADDITION, PART OF LOT 7,8,9 AND 10, BLOCK 6, JAMES NEILSON ADDITION, PART OF LOT 3,4,5,6 AND 7, BLOCK 7, JAMES NEILSON ADDITION, ALL LOCATED IN AND PART OF PRIVATE CLAIM 35; CITY OF KAUKAUNA, OUTAGAMIE COUNTY, WISCONSIN.

RELOCATION ORDER STH 55 CITY OF KAUKAUNA, DELANGLADE STREET (LAWE STREET-USH 41)

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

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 62.22, WISCONSIN STATUTES, THE CITY OF KAUKAUNA HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE CITY FOR THE ABOVE PROJECT AND SHALL BE AQUIRED IN THE NAME OF THE CITY OF KAUKAUNA, PURSUANT TO THE PROVISIONS OF SECTION 62.22, WISCONSIN STATUTES

2052079
Recorded
August 19, 2015 2:35 PM
OUTAGAMIE COUNTY
SARAH R VAN CAMP
REGISTER OF DEEDS
Fee Amount: $25.00
Total Pages: 1
Cabinet M Page 1

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 4650-08-21-4.02
SHEET 1 OF 2
AMENDMENT NO:___

SCHEDULE OF LANDS & INTERESTS REQUIRED

PARCEL NUMBER	OWNER (S)	INTEREST REQUIRED	FEE R/W SQ FT, REQUIRED NEW	EXISTING	TOTAL	T.L.E. SQ FT	P.L.E. SQ FT	H.E. SQ FT
2	WISCONSIN CENTRAL LTD.	HE,PLE,TLE	---	---	---	2,176	3,116	231
8	CITY OF KAUKAUNA	FEE,PLE,TLE	822	---	822	794	5,447	---
9	CHERYL A. SULLIVAN	TLE	---	---	---	511	---	---
10	DALE J. WALSH, ROCHELLE L. VANDERWEYST, MICHELLE J. WEYERS, DARIN W. WORSCH	TLE	---	---	---	893	---	---
11	THOMAS A. KALUPA, JR.	TLE	---	---	---	337	---	---
12	ROBERT O. AND ELAINE SCHUBRING	TLE	---	---	---	945	---	---
13	THOMAS J. AND MARY S. MURPHY	PLE	---	---	---	---	6,405	---
14	DONALD GARNER	TLE	---	---	---	613	---	---
15	JAMES M. SPIETZ	TLE	---	---	---	1,199	---	---
16	NICHOLAS HOFFMAN AND ANGELA KRUMMEL	TLE	---	---	---	1,165	---	---
17	LENORE T. SULLIVAN	TLE	---	---	---	678	---	---

NOTES:

NOTE: OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES AND ARE SUBJECT TO CHANGE PRIOR TO TRANSFER OF LAND INTERESTS TO THE CITY OF KAUKAUNA

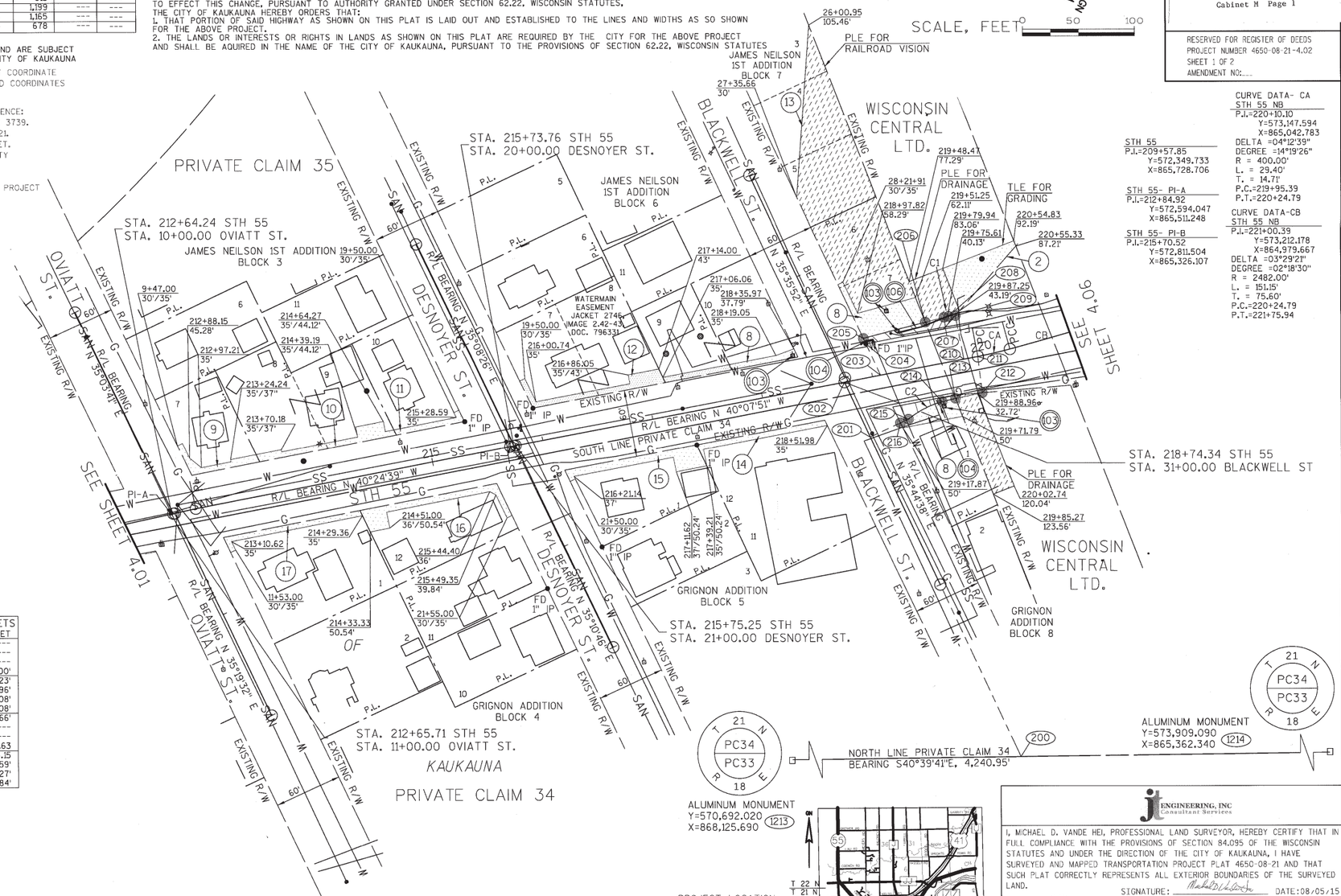
COORDINATES AND BEARINGS SHOWN ON THIS PLAT ARE REFERENCED TO THE WISCONSIN COUNTY COORDINATE SYSTEM, OUTAGAMIE COUNTY ZONE, NAD83 (91) ADJUSTMENT. THE COORDINATES SHOWN ARE GRID COORDINATES AND ARE TO BE USED AS GRID OR GROUND VALUES ON THIS PLAT.

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE:
EXISTING HIGHWAY RIGHT-OF-WAY FOR STH 55 ESTABLISHED FROM PREVIOUS PROJECT 3657 AND 3739.
EXISTING HIGHWAY RIGHT-OF-WAY FOR STH 96 ESTABLISHED FROM PREVIOUS PROJECT 4659-03-21.
EXISTING HIGHWAY RIGHT-OF-WAY FOR OVIATT STREET, DESNOYER STREET AND BACKWELL STREET.
STREET ESTABLISHED FROM EITHER JAMES NEILSON'S FIRST ADDITION OR GRIGNON'S ADDITION CITY OF KAUKAUNA, WISCONSIN.

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2, IN CABINET L OF TRANSPORTATION PROJECT PLATS, PAGE 127 & 128, AS DOCUMENT NO. 2051573 FOR ADDITIONAL INFORMATION.

SCHEDULE OF UTILITY INTEREST

UTILITY NUMBER	OWNER	INTEREST REQUIRED
103	KAUKAUNA UTILITIES- ELECTRIC	RELEASE OF RIGHTS
104	KAUKAUNA UTILITIES- WATER	RELEASE OF RIGHTS
106	AT&T- TELEPHONE	RELEASE OF RIGHTS



STH 55
P.I.=209+57.85
Y=572,349.733
X=865,728.706
STH 55- PI-A
P.I.=212+84.92
Y=572,594.047
X=865,511.248
STH 55- PI-B
P.I.=215+70.52
Y=572,811.504
X=865,326.107

CURVE DATA- CA
STH 55 NB
P.I.=220+10.10
Y=573,147.594
X=865,042.783
DELTA =04°12'39"
DEGREE =14°19'26"
R = 400.00'
L = 29.40'
T. = 14.71'
P.C.=219+95.39
P.T.=220+24.79

CURVE DATA-CB
STH 55 NB
P.I.=221+00.39
Y=573,212.178
X=864,979.667
DELTA =03°29'21"
DEGREE =02°18'30"
R = 2482.00'
L. = 151.15'
T. = 75.60'
P.C.=220+24.79
P.T.=221+75.94

CURVE TABLE

CURVE	POINT-POINT	CHORD BEARING	RADIUS	LONG CHORD	ARC LENGTH
1	207 - 208	N 40°02'51" W	30.50'	4.08'	4.08'
2	214 - 215	S 56°51'01" E	83.23'	33.63'	33.86'

R/W COURSE TABLE

POINT-POINT	BEARING	DISTANCE
1214 - 200	S 40°39'41" E	326.14'
200 - 201	S 35°44'38" W	707.06'
201 - 202	S 35°44'38" W	54.11'
202 - 203	N 40°07'51" W	33.02'
203 - 204	S 35°35'51" W	30.96'
204 - 205	S 35°35'51" W	5.40'
205 - 206	N 43°52'51" W	57.09'
206 - 207	N 43°52'51" W	17.09'
207 - 208	SEE CURVE TABLE	---
208 - 209	N 36°12'51" W	6.12'
209 - 210	N 49°52'09" E	39.66'
210 - 211	N 40°07'51" W	12.67'
211 - 212	N 53°49'27" E	32.71'
212 - 213	S 41°20'29" E	24.44'
213 - 214	S 42°13'23" E	12.23'
214 - 215	SEE CURVE TABLE	33.63'
215 - 216	S 54°15'22" E	7.90'
216 - 201	S 54°15'22" E	29.84'

R/W POINT AND OFFSETS

POINT	STATION	OFFSET
201	31+54.11	---
202	218+74.47	---
203	219+07.49	---
204	218+99.86	30.00'
205	218+98.53	35.23'
206	219+55.49	38.96'
207	219+72.54	40.08'
208	219+76.62	40.08'
209	219+82.72	39.66'
210	219+82.72	---
211	211+95.39	---
212	219+93.14	32.63
213	219+68.70	33.15'
214	219+56.48	33.59'
215	219+24.28	43.27'
216	31+54.11	29.84'

JT ENGINEERING, INC Consultant Services

I, MICHAEL D. VANDE HEI, PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE CITY OF KAUKAUNA, I HAVE SURVEYED AND MAPPED TRANSPORTATION PROJECT PLAT 4650-08-21 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

SIGNATURE: _____ DATE:08/05/15
PRINT NAME: MICHAEL D. VANDE HEI
REGISTRATION NUMBER: S-2241

WISCONSIN MICHAEL D. VANDE HEI S-2241 De Pere, WI LAND SURVEYOR

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE CITY OF KAUKAUNA
SIGNATURE _____ DATE: 8/19/15
PRINT NAME: JOHN SUNDELIUS
DIRECTOR OF PUBLIC WORKS

FILE NAME : X:\PROJECTS\OUTAGAMIE\4650-08-00 STH 55\DESIGN\C3D\SHEETSPLAN\TPP PLAT_V12 -2.DWG
PLOT DATE : 8/17/2015 9:21 AM PLOT BY : JEFF ZLATOHLAVEK PLOT NAME : PLOT SCALE : **********
APPRAISAL PLAT DATE : ----------

TRANSPORTATION PROJECT PLAT NO: 4650-08-21- 4.02, AMENDMENT NO: 1

AMEND UTILITY NUMBER 106, AND PARCEL NUMBER 2 SQUARE FOOT CHANGE OF TPP 4650-08-21-4.02, RECORDED AS DOCUMENT 2052079

THAT PART OF LOTS 1 AND 12, BLOCK 4, GRIGNON ADDITION, PART OF LOTS 1 AND 12, BLOCK 5, GRIGNON ADDITION, PART OF LOT 1, BLOCK 8, GRIGNON ADDITION, ALL LOCATED IN PRIVATE CLAIM 34; AND PART OF LOT 7,8,9 AND 10, BLOCK 3, JAMES NEILSON ADDITION, PART OF LOT 7,8,9 AND 10, BLOCK 6, JAMES NEILSON ADDITION, PART OF LOT 3,4,5,6 AND 7, BLOCK 7, JAMES NEILSON ADDITION, ALL LOCATED IN AND PART OF PRIVATE CLAIM 35; CITY OF KAUKAUNA, OUTAGAMIE COUNTY, WISCONSIN.

RELOCATION ORDER STH 55 CITY OF KAUKAUNA, DELANGLADE STREET (LAWE STREET-USH 41)

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

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 62.22, WISCONSIN STATUTES, THE CITY OF KAUKAUNA HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE CITY FOR THE ABOVE PROJECT AND SHALL BE AQUIRED IN THE NAME OF THE CITY OF KAUKAUNA, PURSUANT TO THE PROVISIONS OF SECTION 62.22, WISCONSIN STATUTES

2079010
Recorded
July 25, 2016 2:55 PM
OUTAGAMIE COUNTY
SARAH R VAN CAMP
REGISTER OF DEEDS
Fee Amount: $25.00
Total Pages: 1
CABINET M PAGE 16

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 4650-08-21-4.02
SHEET 1 OF 2
AMENDMENT NO: 1

SCALE, FEET 0 50 100

SCHEDULE OF LANDS & INTERESTS REQUIRED

PARCEL NUMBER	OWNER (S)	INTEREST REQUIRED	FEE R/W SQ FT. REQUIRED NEW	EXISTING	TOTAL	T.L.E. SQ FT	P.L.E. SQ FT	H.E. SQ FT
2	WISCONSIN CENTRAL LTD.	HE,PLE,TLE	---	---	---	1,548	3,116	231
8	CITY OF KAUKAUNA	FEE,PLE,TLE	822	---	822	794	5,447	---
9	CHERYL A. SULLIVAN	TLE	---	---	---	511	---	---
10	DALE J. WALSH, ROCHELLE L. VANDERWEYST, MICHELLE J. WEYERS, DARIN W. WORSCH	TLE	---	---	---	893	---	---
11	THOMAS A. KALUPA, JR.	TLE	---	---	---	337	---	---
12	ROBERT O. AND ELAINE SCHUBRING	TLE	---	---	---	945	---	---
13	THOMAS J. AND MARY S. MURPHY	PLE	---	---	---	---	6,405	---
14	DONALD GARNER	TLE	---	---	---	613	---	---
15	JAMES M. SPIETZ	TLE	---	---	---	1,199	---	---
16	NICHOLAS HOFFMAN AND ANGELA KRUMMEL	TLE	---	---	---	1,165	---	---
17	LENORE T. SULLIVAN	TLE	---	---	---	678	---	---

NOTES:

NOTE: OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES AND ARE SUBJECT TO CHANGE PRIOR TO TRANSFER OF LAND INTERESTS TO THE CITY OF KAUKAUNA

COORDINATES AND BEARINGS SHOWN ON THIS PLAT ARE REFERENCED TO THE WISCONSIN COUNTY COORDINATE SYSTEM, OUTAGAMIE COUNTY ZONE, NAD83 (91) ADJUSTMENT. THE COORDINATES SHOWN ARE GRID COORDINATES AND ARE TO BE USED AS GRID OR GROUND VALUES ON THIS PLAT.

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REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2, IN CABINET L OF TRANSPORTATION PROJECT PLATS, PAGE 127 & 128, AS DOCUMENT NO. 2051573 FOR ADDITIONAL INFORMATION.

SCHEDULE OF UTILITY INTEREST

UTILITY NUMBER	OWNER	INTEREST REQUIRED
103	KAUKAUNA UTILITIES- ELECTRIC	RELEASE OF RIGHTS
104	KAUKAUNA UTILITIES- WATER	RELEASE OF RIGHTS
106	AT&T WISCONSIN	RELEASE OF RIGHTS

CURVE TABLE

CURVE	POINT-POINT	CHORD BEARING	RADIUS	LONG CHORD	ARC LENGTH
1	207 - 208	N 40°02'51" W	30.50'	4.08'	4.08'
2	214 - 215	S 56°51'01" E	83.23'	33.63'	33.86'

R/W COURSE TABLE

POINT-POINT	BEARING	DISTANCE
1214 - 200	S 40°39'41" E	326.14'
200 - 201	S 35°44'38" W	707.06'
201 - 202	S 35°44'38" W	54.11'
202 - 203	N 40°07'51" W	33.02'
203 - 204	S 35°35'51" W	30.96'
204 - 205	S 35°35'51" W	5.40'
205 - 206	N 43°52'51" W	57.09'
206 - 207	N 43°52'51" W	17.09'
207 - 208	SEE CURVE TABLE	---
208 - 209	N 36°12'51" W	6.12'
209 - 210	N 49°52'09" E	39.66'
210 - 211	N 40°07'51" W	12.67'
211 - 212	N 53°49'27" E	32.71'
212 - 213	S 41°20'29" E	24.44'
213 - 214	S 42°13'23" E	12.23'
214 - 215	SEE CURVE TABLE	33.63'
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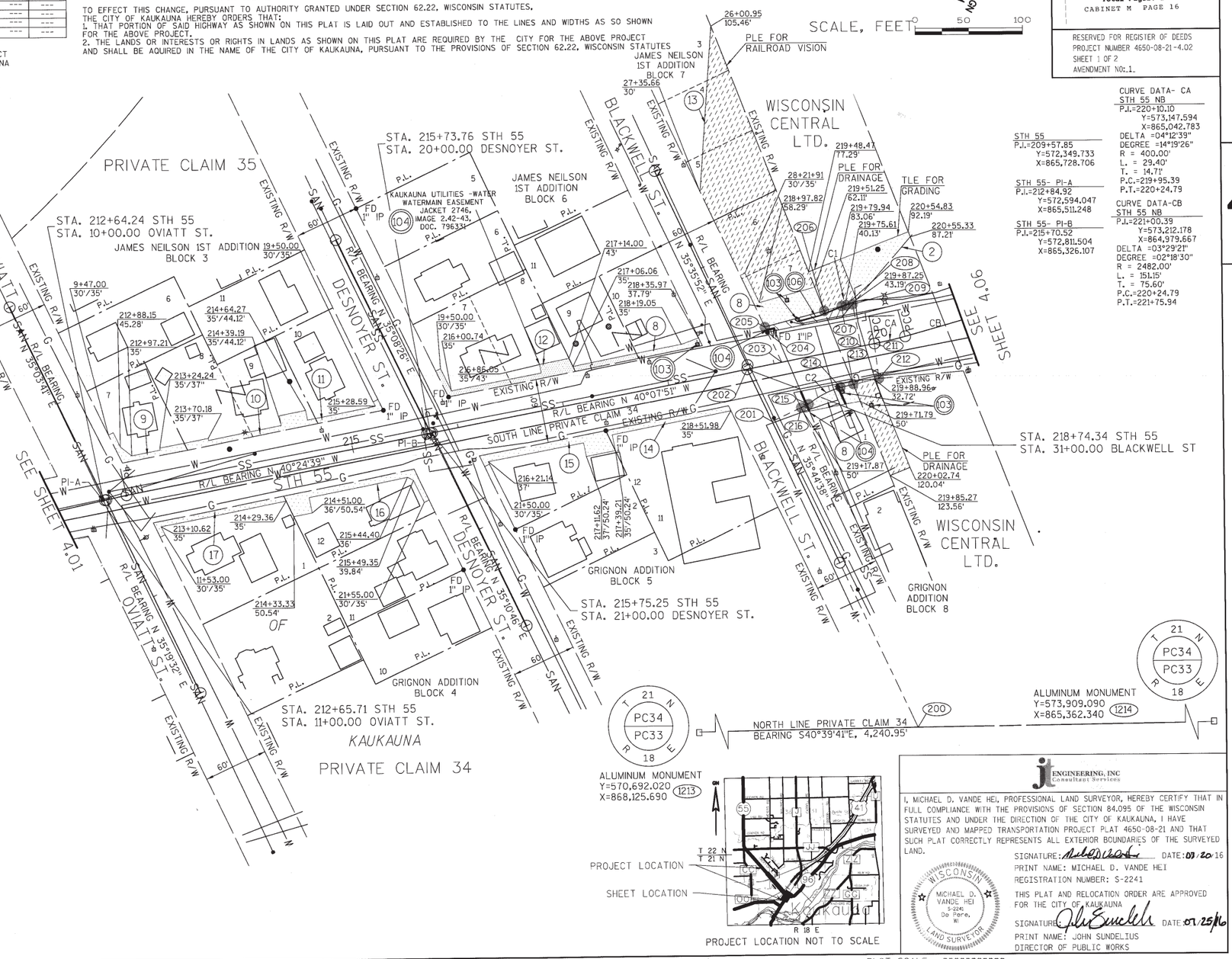
R/W POINT AND OFFSETS

POINT	STATION	OFFSET
201	31+54.11	---
202	218+74.47	---
203	219+07.49	---
204	218+99.86	30.00'
205	218+98.53	35.23'
206	219+55.49	38.96'
207	219+72.54	40.08'
208	219+76.62	40.08'
209	219+82.72	39.66'
210	219+82.72	---
211	211+95.39	---
212	219+93.14	32.63
213	219+68.70	33.15
214	219+56.48	33.59'
215	219+24.28	43.27'
216	31+54.11	29.84'



CURVE DATA- CA
STH 55 NB
P.I.-220+10.10
Y=573,147.594
X=865,042.783
DELTA =04°12'39"
DEGREE =14°19'26"
R = 400.00'
L. = 29.40'
T. = 14.71'
P.C.-219+95.39
P.T.-220+24.79

CURVE DATA-CB
STH 55 NB
P.I.-221+00.39
Y=573,212.178
X=864,979.667
DELTA =03°29'21"
DEGREE =02°18'30"
R = 2482.00'
L. = 151.15'
T. = 75.60'
P.C.-220+24.79
P.T.-221+75.94

STH 55
P.I.-209+57.85
Y=572,349.733
X=865,728.706

STH 55- PI-A
P.I.=212+84.92
Y=572,594.047
X=865,511.248

STH 55- PI-B
P.I.=215+70.52
Y=572,811.504
X=865,326.107

PROJECT LOCATION
SHEET LOCATION
T 22 N
T 21 N
R 18 E
PROJECT LOCATION NOT TO SCALE

JT ENGINEERING, INC
Consultant Services

I, MICHAEL D. VANDE HEI, PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE CITY OF KAUKAUNA, I HAVE SURVEYED AND MAPPED TRANSPORTATION PROJECT PLAT 4650-08-21 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

SIGNATURE: _____ DATE: 07/20/16
PRINT NAME: MICHAEL D. VANDE HEI
REGISTRATION NUMBER: S-2241

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE CITY OF KAUKAUNA

SIGNATURE: _____ DATE: 07/25/16
PRINT NAME: JOHN SUNDELIUS
DIRECTOR OF PUBLIC WORKS

WISCONSIN MICHAEL D. VANDE HEI S-2241 De Pere, WI LAND SURVEYOR

FILE NAME : X:\PROJECTS\OUTAGAMIE\4650-08-00 STH 55\DESIGN\C3D\SHEETSPLAN\TPP PLAT_V12 -2 55.DWG
PLOT DATE : 7/19/2016 4:54 PM PLOT BY : JEFF ZLATOHLAVEK PLOT NAME : PLOT SCALE : 1.0000
APPRAISAL PLAT DATE :

TRANSPORTATION PROJECT PLAT NO: 4650-08-21- 4.02, AMENDMENT NO: 2

AMENDS SECTION CORNER COORDINATES, LEAD IN BEARING AND DISTANCE OF TPP 4650-08-21-4.02, AMENDMENT NO. 1, RECORDED AS DOCUMENT 2079010, AND TPP 4650-08-21-4.02, RECORDED AS DOCUMENT 2052079.

THAT PART OF LOTS 1 AND 12, BLOCK 4, GRIGNON ADDITION, PART OF LOTS 1 AND 12, BLOCK 5, GRIGNON ADDITION, PART OF LOT 1, BLOCK 8, GRIGNON ADDITION, ALL LOCATED IN PRIVATE CLAIM 34; AND PART OF LOT 7,8,9 AND 10, BLOCK 3, JAMES NEILSON ADDITION, PART OF LOT 7,8,9 AND 10, BLOCK 6, JAMES NEILSON ADDITION, PART OF LOT 3,4,5,6 AND 7, BLOCK 7, JAMES NEILSON ADDITION, ALL LOCATED IN AND PART OF PRIVATE CLAIM 35; CITY OF KAUKAUNA, OUTAGAMIE COUNTY, WISCONSIN.

RELOCATION ORDER STH 55 CITY OF KAUKAUNA, DELANGLADE STREET (LAWE STREET-USH 41)

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

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2111921
Recorded
August 15, 2017 12:18 PM
OUTAGAMIE COUNTY
SARAH R VAN CAMP
REGISTER OF DEEDS
Fee Amount: $25.00
Total Pages: 1
Cabinet M, Page 93

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 4650-08-21-4.02
SHEET 1 OF 2 SHTS
AMENDMENT NO: 2

SCHEDULE OF LANDS & INTERESTS REQUIRED

PARCEL NUMBER	OWNER (S)	INTEREST REQUIRED	FEE R/W SQ FT, REQUIRED NEW	EXISTING	TOTAL	T.L.E. SQ FT	P.L.E. SQ FT	H.E. SQ FT
2	WISCONSIN CENTRAL LTD.	HE,PLE,TLE	---	---	---	1,548	3,116	231
8	CITY OF KAUKAUNA	FEE,PLE,TLE	822	--	822	794	5,447	---
9	CHERYL A. SULLIVAN	TLE	---	---	---	511	---	---
10	DALE J. WALSH, ROCHELLE L. VANDERWEYST, MICHELLE J. WEYERS, DARIN W. WORSCH	TLE	---	---	---	893	---	---
11	THOMAS A. KALUPA, JR.	TLE	---	---	---	337	---	---
12	ROBERT O. AND ELAINE SCHUBRING	TLE	---	---	---	945	--	---
13	THOMAS J. AND MARY S. MURPHY	PLE	---	---	---	---	6,405	---
14	DONALD GARNER	TLE	---	---	---	613	---	---
15	JAMES M. SPIETZ	TLE	---	---	---	1,199	---	---
16	NICHOLAS HOFFMAN AND ANGELA KRUMMEL	TLE	---	---	---	1,165	---	---
17	LENORE T. SULLIVAN	TLE	---	---	---	678	---	---

NOTES: NOTE: OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES AND ARE SUBJECT TO CHANGE PRIOR TO TRANSFER OF LAND INTERESTS TO THE CITY OF KAUKAUNA

COORDINATES AND BEARINGS SHOWN ON THIS PLAT ARE REFERENCED TO THE WISCONSIN COUNTY COORDINATE SYSTEM, OUTAGAMIE COUNTY ZONE, NAD83 (91) ADJUSTMENT. THE COORDINATES SHOWN ARE GRID COORDINATES AND ARE TO BE USED AS GRID OR GROUND VALUES ON THIS PLAT.

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EXISTING HIGHWAY RIGHT-OF-WAY FOR STH 96 ESTABLISHED FROM PREVIOUS PROJECT 4659-03-21.
EXISTING HIGHWAY RIGHT-OF-WAY FOR OVIATT STREET, DESNOYER STREET AND BACKWELL STREET.
STREET ESTABLISHED FROM EITHER JAMES NEILSON'S FIRST ADDITION OR GRIGNON'S ADDITION CITY OF KAUKAUNA, WISCONSIN.

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2, IN CABINET L OF TRANSPORTATION PROJECT PLATS, PAGE 127 & 128, AS DOCUMENT NO. 2051573 FOR ADDITIONAL INFORMATION.

SCHEDULE OF UTILITY INTEREST

UTILITY NUMBER	OWNER	INTEREST REQUIRED
103	KAUKAUNA UTILITIES- ELECTRIC	RELEASE OF RIGHTS
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106	AT&T WISCONSIN	RELEASE OF RIGHTS

CURVE TABLE

CURVE	POINT-POINT	CHORD BEARING	RADIUS	LONG CHORD	ARC LENGTH
1	207 - 208	N 40°02'51" W	30.50'	4.08'	4.08'
2	214 - 215	S 56°51'01" E	83.23'	33.63'	33.86'

R/W COURSE TABLE

POINT-POINT	BEARING	DISTANCE
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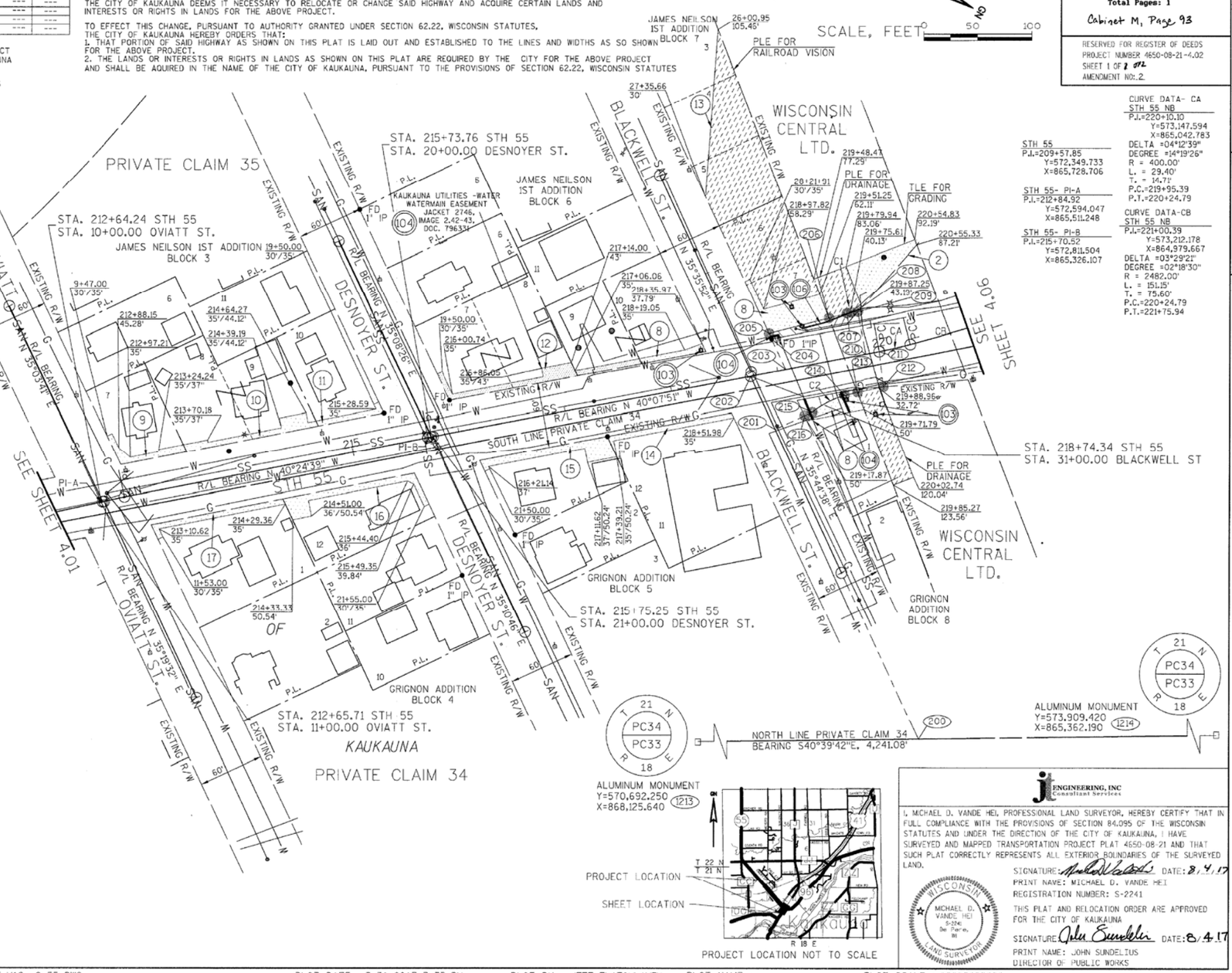
200 - 201	S 35°44'38" W	707.16'
201 - 202	S 35°44'38" W	54.11'
202 - 203	N 40°07'51" W	33.02'
203 - 204	S 35°35'51" W	30.96'
204 - 205	S 35°35'51" W	5.40'
205 - 206	N 43°52'51" W	57.09'
206 - 207	N 43°52'51" W	17.09'
207 - 208	SEE CURVE TABLE	---
208 - 209	N 36°12'51" W	6.12'
209 - 210	N 49°52'09" E	39.66'
210 - 211	N 40°07'51" W	12.67'
211 - 212	N 53°49'27" E	32.71'
212 - 213	S 41°20'29" E	24.44'
213 - 214	S 42°13'23" E	12.23'
214 - 215	SEE CURVE TABLE	33.63'
215 - 216	S 54°15'22" E	7.90'
216 - 201	S 54°15'22" E	29.84'

R/W POINT AND OFFSETS

POINT	STATION	OFFSET
201	31+54.11	---
202	218+74.47	---
203	219+07.49	---
204	218+39.86	30.00'
205	218+98.53	35.23'
206	219+55.49	38.96'
207	219+72.54	40.08'
208	219+76.62	40.08'
209	219+82.72	39.66'
210	219+82.72	---
211	211+95.39	---
212	219+93.14	32.63
213	219+68.70	33.15
214	219+56.48	33.59'
215	219+24.28	43.27'
216	31+54.11	29.84'



STH 55
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Y=572,349.733
X=865,728.706

STH 55- PI-A
P.I.=212+84.92
Y=572,594.047
X=865,511.248

STH 55- PI-B
P.I.=215+70.52
Y=572,811.504
X=865,326.107

CURVE DATA- CA
STH 55 NB
P.I.=220+10.10
Y=573,147.594
X=865,042.783
DELTA =04°12'39"
DEGREE =14°19'26"
R = 400.00'
L. = 29.40'
T. = 14.71'
P.C.=219+95.39
P.T.=220+24.79

CURVE DATA-CB
STH 55 NB
P.I.=221+00.39
Y=573,212.178
X=864,979.667
DELTA =03°29'21"
DEGREE =02°18'30"
R = 2482.00'
L. = 151.15'
T. = 75.60'
P.C.=220+24.79
P.T.=221+75.94

JE ENGINEERING, INC Consultant Services

I, MICHAEL D. VANDE HEI, PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE CITY OF KAUKAUNA, I HAVE SURVEYED AND MAPPED TRANSPORTATION PROJECT PLAT 4650-08-21 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

SIGNATURE: _____ DATE: 8/4/17
PRINT NAME: MICHAEL D. VANDE HEI
REGISTRATION NUMBER: S-2241

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE CITY OF KAUKAUNA

SIGNATURE: _____ DATE: 8/4/17
PRINT NAME: JOHN SUNDELIUS
DIRECTOR OF PUBLIC WORKS

WISCONSIN MICHAEL D. VANDE HEI S-2241 De Pere, WI LAND SURVEYOR

FILE NAME : X:\PROJECTS\OUTAGAMIE\4650-08-00 STH 55\DESIGN\C3D\SHEETSPLAN\TPP PLAT_V12 -2 55.DWG
PLOT DATE : 7/31/2017 3:37 PM PLOT BY : JEFF ZLATOHLAVEK PLOT NAME : PLOT SCALE : **********
APPRAISAL PLAT DATE : ----------

TRANSPORTATION PROJECT PLAT NO: 4650-08-21 - 4.03

THAT PART OF LOTS 1 AND 2, CSM 3651, PART OF LOTS 2 AND 3, CSM 323, ALL LOCATED IN PRIVATE CLAIM 34;
AND THAT PART OF ASSESSORS PLAT OF PRIVATE CLAIM 35, PART OF LOTS 1 AND 2, CSM 3994, AND PART OF LOT 1, KAUKAUNA INDUSTRIAL PARK NO. 1,
ALL LOCATED IN PRIVATE CLAIM 35; CITY KAUKAUNA, OUTAGAMIE COUNTY, WISCONSIN

RELOCATION ORDER STH 55 CITY OF KAUKAUNA (LAWE STREET-USH 41)

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

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 62.22, WISCONSIN STATUTES, THE CITY OF KAUKAUNA HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE CITY FOR THE ABOVE PROJECT AND SHALL BE AQUIRED IN THE NAME OF THE CITY OF KAUKAUNA, PURSUANT TO THE PROVISIONS OF SECTION 62.22, WISCONSIN STATUTES

2052080
Recorded
August 19, 2015 2:35 PM
OUTAGAMIE COUNTY
SARAH R VAN CAMP
REGISTER OF DEEDS
Fee Amount: $25.00
Total Pages: 1
Cabinet M Page 2

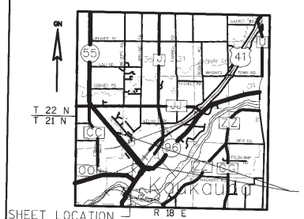
RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 4650-08-21-4.03
SHEET 1 OF 1
AMENDMENT NO:___

NOTES:

COORDINATES AND BEARINGS SHOWN ON THIS PLAT ARE REFERENCED TO THE WISCONSIN COUNTY COORDINATE SYSTEM, OUTAGAMIE COUNTY ZONE, NAD83 (91) ADJUSTMENT. THE COORDINATES SHOWN ARE GRID COORDINATES AND ARE TO BE USED AS GRID OR GROUND VALUES ON THIS PLAT.

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE:
EXISTING HIGHWAY RIGHT-OF-WAY FOR STH 55 ESTABLISHED FROM PREVIOUS PROJECT 3657 & 3639.
EXISTING HIGHWAY RIGHT-OF-WAY FOR CTH OD AND BADGER ROAD ESTABLISHED FROM C.S.M. 3651.

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2, IN CABINET L OF TRANSPORTATION PROJECT PLATS, PAGE 127 & 128, AS DOCUMENT NO. 2051573 FOR ADDITIONAL INFORMATION.

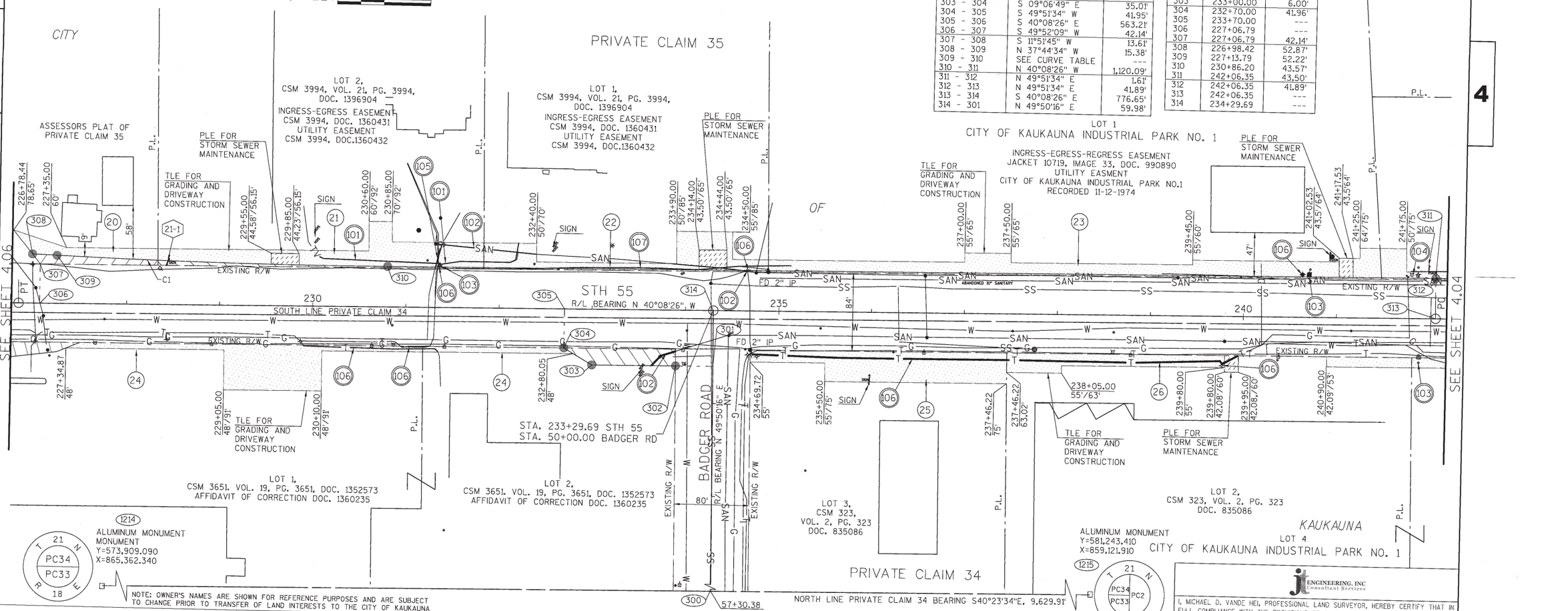


SHEET LOCATION
PROJECT LOCATION (NOT TO SCALE)

SCALE, FEET 0 50 100

CURVE TABLE					
CURVE	POINT-POINT	CHORD BEARING	RADIUS	LONG CHORD	ARC LENGTH
1	309 - 310	N 38°47'56" W	7,956.50'	372.58'	372.61'

R/W COURSE TABLE			R/W POINT AND OFFSETS		
POINT-POINT	BEARING	DISTANCE	POINT	STATION	OFFSET
1214 - 300	N 40°23'34" W	1,036.09'	300	57+30.38	---
300 - 301	S 49°50'16" W	370.39'	301	50+50.98	---
301 - 302	S 40°09'44" E	40.00'	302	233+89.72	60.00'
302 - 303	S 40°08'26" E	89.72'	303	233+00.00	6.00'
303 - 304	S 09°06'49" E	35.01'	304	232+70.00	41.96'
304 - 305	S 49°51'34" W	41.95'	305	233+70.00	---
305 - 306	S 40°08'26" E	563.21'	306	227+06.79	---
306 - 307	S 49°52'09" W	42.14'	307	227+06.79	42.14'
307 - 308	S 11°51'45" W	13.61'	308	226+98.42	52.87'
308 - 309	N 37°44'34" W	15.38'	309	227+13.79	52.22'
309 - 310	SEE CURVE TABLE	---	310	230+86.20	43.57'
310 - 311	N 40°08'26" W	1,120.09'	311	242+06.35	43.50'
311 - 312	N 49°51'34" E	1.61'	312	242+06.35	41.89'
312 - 313	N 49°51'34" E	41.89'	313	242+06.35	---
313 - 314	S 40°08'26" E	776.65'	314	234+29.69	---
314 - 301	N 49°50'16" E	59.98'			



1214
ALUMINUM MONUMENT
MONUMENT
Y=573,909.090
X=865,362.340

1215
ALUMINUM MONUMENT
Y=581,243.410
X=859,121.910

T 21 N R 18 E PC34 PC33 PC2

NOTE: OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES AND ARE SUBJECT TO CHANGE PRIOR TO TRANSFER OF LAND INTERESTS TO THE CITY OF KAUKAUNA

SCHEDULE OF LANDS & INTERESTS REQUIRED

PARCEL NUMBER	OWNER (S)	INTEREST REQUIRED	FEE R/W SQ. FT, REQUIRED NEW	EXISTING	TOTAL	T.L.E. SQ FT	P.L.E. SQ FT
20	LORI, GARY, MELVIN VANDENBLOOMER	FEE & TLE	1,044	---	1,044	1,737	---
21	HINDU TEMPLE OF NE WISC, INC.-KAUKAUNA CHURCHES	FEE,PLE & TLE	863	---	863	6,828	360
22	VSMC LEASING, LLC	FEE,PLE & TLE	447	---	447	4,762	645
23	BUI PROPERTIES	FEE,PLE & TLE	1,021	---	1,021	9,206	308
24	BASSETT KAUKAUNA, LLC	FEE & TLE	1,886	---	1,886	6,810	---
25	WAYNE G. BODDE	TLE	---	---	---	1,515	---
26	TEAM INDUSTRIES, INC.	PLE & TLE	---	---	---	3,497	269

SCHEDULE OF UTILITY INTEREST

UTILITY NUMBER	OWNER	INTEREST REQUIRED
101	TIME WARNER CABLE- CABLE TV	RELEASE OF RIGHTS
102	CITY OF KAUKAUNA- SEWER	RELEASE OF RIGHTS
103	KAUKAUNA UTILITIES- ELECTRIC	RELEASE OF RIGHTS
104	KAUKAUNA UTILITIES- WATER	RELEASE OF RIGHTS
105	WE ENERGIES- GAS	RELEASE OF RIGHTS
106	AT&T- TELEPHONE	RELEASE OF RIGHTS
107	AT&T- FIBER	RELEASE OF RIGHTS

SCHEDULE OF SIGN STRUCTURES

SIGN NUMBER	OWNER	OASIS NUMBER
21-1	KAUKAUNA CHURCHES HINDU TEMPLE OF NE WISC, INC.	3925

jt ENGINEERING, INC Consultant Services

I, MICHAEL D. VANDE HEI, PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE CITY OF KAUKAUNA, I HAVE SURVEYED AND MAPPED TRANSPORTATION PROJECT PLAT 4650-08-21 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

SIGNATURE: _____ DATE:08/05/15
PRINT NAME: MICHAEL D. VANDE HEI
REGISTRATION NUMBER: S-2241

WISCONSIN MICHAEL D. VANDE HEI S-2241 De Pere, WI LAND SURVEYOR

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE CITY OF KAUKAUNA
SIGNATURE: _____ DATE: 8.19.15
PRINT NAME: JOHN SUNDELIUS
DIRECTOR OF PUBLIC WORKS

FILE NAME : X:\PROJECTS\OUTAGAMIE\4650-08-00 STH 55\DESIGN\C3D\SHEETSPLAN\TPP PLAT_V12 (2-7).DWG
APPRAISAL PLAT DATE : _____
PLOT DATE : 8/17/2015 9:06 AM PLOT BY : JEFF ZLATOHLAVEK PLOT NAME : PLOT SCALE : **********

TRANSPORTATION PROJECT PLAT NO: 4650-08-21- 4.03, AMENDMENT NO: 1

AMENDS UTILITY NUMBER 102, AMENDS UTILITY NUMBER 106, AND ELIMINATION OF UTILITY NUMBER 107 OF TPP 4650-08-21-4.03, RECORDED AS DOCUMENT 2052080.

THAT PART OF LOTS 1 AND 2, CSM 3651, PART OF LOTS 2 AND 3, CSM 323, ALL LOCATED IN PRIVATE CLAIM 34;
AND THAT PART OF ASSESSORS PLAT OF PRIVATE CLAIM 35, PART OF LOTS 1 AND 2, CSM 3994, AND PART OF LOT 1, KAUKAUNA INDUSTRIAL PARK NO. 1,
ALL LOCATED IN PRIVATE CLAIM 35; CITY KAUKAUNA, OUTAGAMIE COUNTY, WISCONSIN

RELOCATION ORDER STH 55 CITY OF KAUKAUNA (LAWE STREET-USH 41)

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

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 62.22, WISCONSIN STATUTES, THE CITY OF KAUKAUNA HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE CITY FOR THE ABOVE PROJECT AND SHALL BE AQUIRED IN THE NAME OF THE CITY OF KAUKAUNA, PURSUANT TO THE PROVISIONS OF SECTION 62.22, WISCONSIN STATUTES

2079011
Recorded
July 25, 2016 2:55 PM
OUTAGAMIE COUNTY
SARAH R VAN CAMP
REGISTER OF DEEDS
Fee Amount: $25.00
Total Pages: 1
Cabinet M Page 17

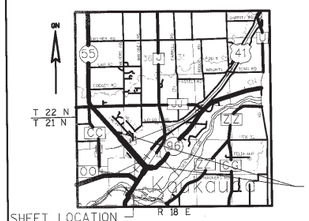
RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 4650-08-21-4.03
SHEET 1 OF 1
AMENDMENT NO: 1

NOTES:

COORDINATES AND BEARINGS SHOWN ON THIS PLAT ARE REFERENCED TO THE WISCONSIN COUNTY COORDINATE SYSTEM, OUTAGAMIE COUNTY ZONE, NAD83 (91) ADJUSTMENT. THE COORDINATES SHOWN ARE GRID COORDINATES AND ARE TO BE USED AS GRID OR GROUND VALUES ON THIS PLAT.

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE:
EXISTING HIGHWAY RIGHT-OF-WAY FOR STH 55 ESTABLISHED FROM PREVIOUS PROJECT 3657 & 3639.
EXISTING HIGHWAY RIGHT-OF-WAY FOR CTH OO AND BADGER ROAD ESTABLISHED FROM C.S.M. 3651.

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2, IN CABINET L OF TRANSPORTATION PROJECT PLATS, PAGE 127 & 128, AS DOCUMENT NO. 2051573 FOR ADDITIONAL INFORMATION.



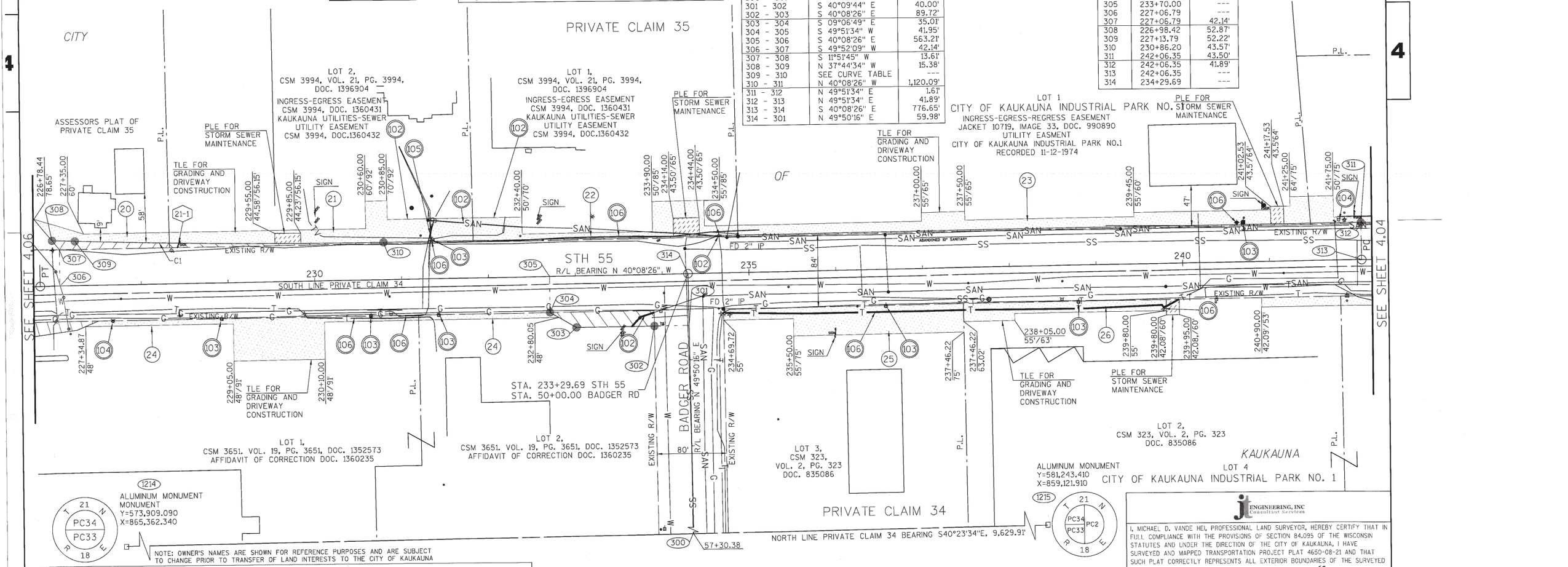
PROJECT LOCATION (NOT TO SCALE)

SCALE, FEET 0 50 100

CURVE TABLE					
CURVE	POINT-POINT	CHORD BEARING	RADIUS	LONG CHORD	ARC LENGTH
1	309 - 310	N 38°47'56" W	7,956.50'	372.58'	372.61'

R/W COURSE TABLE		
POINT-POINT	BEARING	DISTANCE
1214 - 300	N 40°23'34" W	1,036.09'
300 - 301	S 49°50'16" W	370.39'
301 - 302	S 40°09'44" E	40.00'
302 - 303	S 40°08'26" E	89.72'
303 - 304	S 09°06'49" E	35.01'
304 - 305	S 49°51'34" W	41.95'
305 - 306	S 40°08'26" E	563.21'
306 - 307	S 49°52'09" W	42.14'
307 - 308	S 11°51'45" W	13.61'
308 - 309	N 37°44'34" W	15.38'
309 - 310	SEE CURVE TABLE	---
310 - 311	N 40°08'26" W	1,120.09'
311 - 312	N 49°51'34" E	1.61'
312 - 313	N 49°51'34" E	41.89'
313 - 314	S 40°08'26" E	776.65'
314 - 301	N 49°50'16" E	59.98'

R/W POINT AND OFFSETS		
POINT	STATION	OFFSET
300	57+30.38	---
301	50+50.98	---
302	233+89.72	60.00'
303	233+00.00	6.00'
304	232+70.00	41.96'
305	233+70.00	---
306	227+06.79	---
307	227+06.79	42.14'
308	226+98.42	52.87'
309	227+13.79	52.22'
310	230+86.20	43.57'
311	242+06.35	43.50'
312	242+06.35	41.89'
313	242+06.35	---
314	234+29.69	---



NOTE: OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES AND ARE SUBJECT TO CHANGE PRIOR TO TRANSFER OF LAND INTERESTS TO THE CITY OF KAUKAUNA

SCHEDULE OF LANDS & INTERESTS REQUIRED

PARCEL NUMBER	OWNER (S)	INTEREST REQUIRED	FEE R/W SQ. FT, REQUIRED NEW	EXISTING	TOTAL	T.L.E. SQ FT	P.L.E. SQ FT
20	LORI, GARY, MELVIN VANDENBLOOMER	FEE & TLE	1,044	---	1,044	1,737	---
21	HINDU TEMPLE OF NE WISC, INC.-KAUKAUNA CHURCHES	FEE,PLE & TLE	863	---	863	6,828	360
22	VSMC LEASING, LLC	FEE,PLE & TLE	447	---	447	4,762	645
23	BUI PROPERTIES	FEE,PLE & TLE	1,021	---	1,021	9,206	308
24	BASSETT KAUKAUNA, LLC	FEE & TLE	1,886	---	1,886	6,810	---
25	WAYNE G. BODDE	TLE	---	---	---	1,515	---
26	TEAM INDUSTRIES, INC.	PLE & TLE	---	---	---	3,497	269

SCHEDULE OF UTILITY INTEREST

UTILITY NUMBER	OWNER	INTEREST REQUIRED
101	TIME WARNER CABLE- CABLE TV	RELEASE OF RIGHTS
102	CITY OF KAUKAUNA- SEWER	NO RELEASE REQUIRED,INTERESET MERGED
103	KAUKAUNA UTILITIES- ELECTRIC	RELEASE OF RIGHTS
104	KAUKAUNA UTILITIES- WATER	RELEASE OF RIGHTS
105	WE ENERGIES- GAS	RELEASE OF RIGHTS
106	AT&T WISCONSIN	RELEASE OF RIGHTS

SCHEDULE OF SIGN STRUCTURES

SIGN NUMBER	OWNER	OASIS NUMBER
21-1	KAUKAUNA CHURCHES HINDU TEMPLE OF NE WISC, INC.	3925

jE ENGINEERING, INC Consultant Services

I, MICHAEL D. VANDE HEI, PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE CITY OF KAUKAUNA, I HAVE SURVEYED AND MAPPED TRANSPORTATION PROJECT PLAT 4650-08-21 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

SIGNATURE: _____ DATE: 07/20/16
PRINT NAME: MICHAEL D. VANDE HEI
REGISTRATION NUMBER: S-2241

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE CITY OF KAUKAUNA

SIGNATURE: _____ DATE: 07/25/16
PRINT NAME: JOHN SUNDELIUS
DIRECTOR OF PUBLIC WORKS

WISCONSIN MICHAEL D. VANDE HEI S-2241 De Pere, WI LAND SURVEYOR

FILE NAME : X:\PROJECTS\OUTAGAMIE\4650-08-00 STH 55\DESIGN\C3D\SHEETSPLAN\TPP PLAT_V12 (2-7).DWG
APPRAISAL PLAT DATE : _____
PLOT DATE : 6/30/2016 2:54 PM PLOT BY : JEFF ZLATOHLAVEK PLOT NAME : PLOT SCALE : ##########

TRANSPORTATION PROJECT PLAT NO: 4650-08-21- 4.03, AMENDMENT NO: 2

AMENDS SECTION CORNER COORDINATES, LEAD IN BEARING AND DISTANCE OF TPP 4650-08-21-4.03, AMENDMENT NO. 1, RECORDED AS DOCUMENT 2079011, AND TPP 4650-08-21-4.03, RECORDED AS DOCUMENT 2052080.

THAT PART OF LOTS 1 AND 2, CSM 3651, PART OF LOTS 2 AND 3, CSM 323, ALL LOCATED IN PRIVATE CLAIM 34; AND THAT PART OF ASSESSORS PLAT OF PRIVATE CLAIM 35, PART OF LOTS 1 AND 2, CSM 3994, AND PART OF LOT 1, KAUKAUNA INDUSTRIAL PARK NO. 1, ALL LOCATED IN PRIVATE CLAIM 35; CITY KAUKAUNA, OUTAGAMIE COUNTY, WISCONSIN

RELOCATION ORDER STH 55 CITY OF KAUKAUNA (LAWE STREET-USH 41)

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

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 62.22, WISCONSIN STATUTES, THE CITY OF KAUKAUNA HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE CITY FOR THE ABOVE PROJECT AND SHALL BE AQUIRED IN THE NAME OF THE CITY OF KAUKAUNA, PURSUANT TO THE PROVISIONS OF SECTION 62.22, WISCONSIN STATUTES

NOTES:

COORDINATES AND BEARINGS SHOWN ON THIS PLAT ARE REFERENCED TO THE WISCONSIN COUNTY COORDINATE SYSTEM, OUTAGAMIE COUNTY ZONE, NAD83 (91) ADJUSTMENT. THE COORDINATES SHOWN ARE GRID COORDINATES AND ARE TO BE USED AS GRID OR GROUND VALUES ON THIS PLAT.

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE:
EXISTING HIGHWAY RIGHT-OF-WAY FOR STH 55 ESTABLISHED FROM PREVIOUS PROJECT 3657 & 3639.
EXISTING HIGHWAY RIGHT-OF-WAY FOR CTH 00 AND BADGER ROAD ESTABLISHED FROM C.S.M. 3651.

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2, IN CABINET L OF TRANSPORTATION PROJECT PLATS, PAGE 127 & 128, AS DOCUMENT NO. 2051573 FOR ADDITIONAL INFORMATION.

PROJECT LOCATION (NOT TO SCALE)

SCALE, FEET 0 50 100

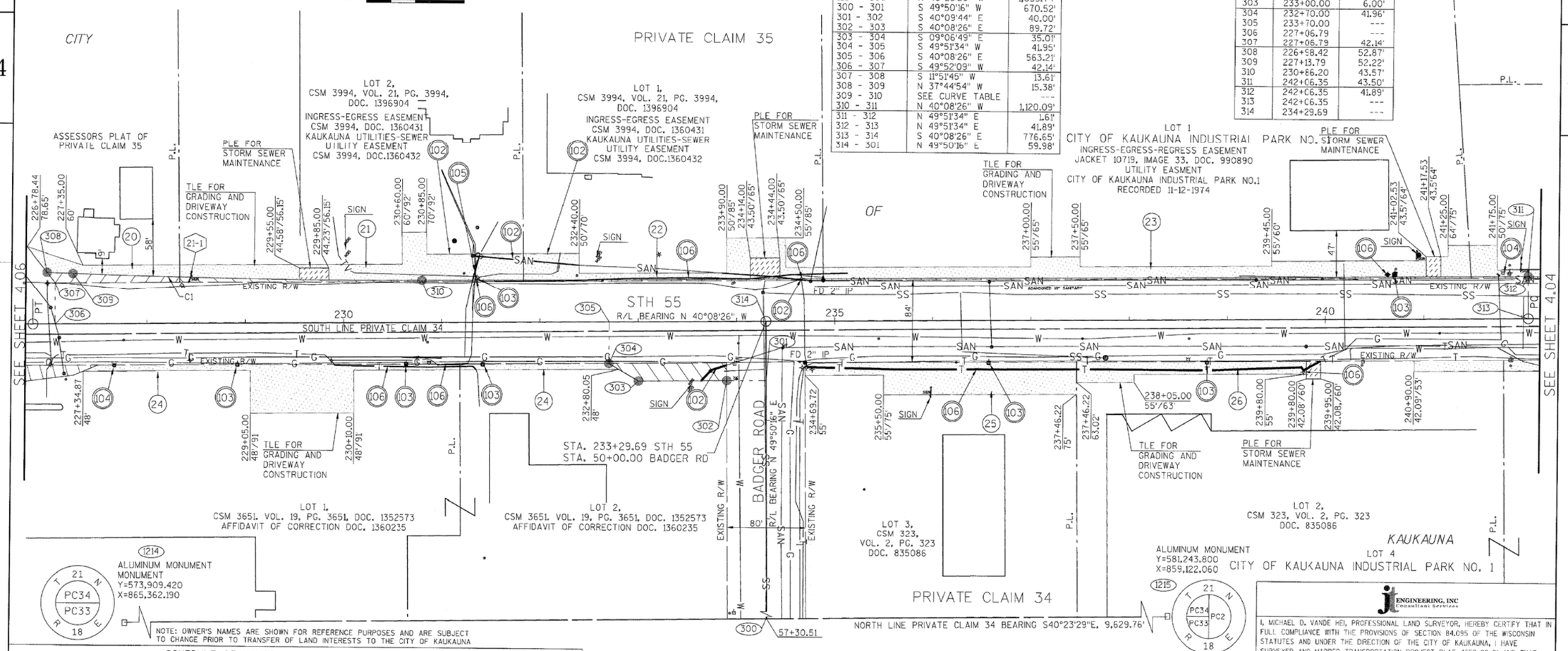
CURVE TABLE						
CURVE	POINT-POINT	CHORD BEARING	RADIUS	LONG CHORD	ARC LENGTH
1	309 - 310	N 38°47'56" W	7,956.50'	372.58'	372.61'

R/W COURSE TABLE		
POINT-POINT	BEARING	DISTANCE
1214 - 300	N 40°23'29" W	1,035.74'
300 - 301	S 49°50'16" W	670.52'
301 - 302	S 40°09'44" E	40.00'
302 - 303	S 40°08'26" E	89.72'
303 - 304	S 09°06'49" E	35.01'
304 - 305	S 49°51'34" W	41.95'
305 - 306	S 40°08'26" E	563.21'
306 - 307	S 49°52'09" W	42.14'
307 - 308	S 11°51'45" W	13.61'
308 - 309	N 37°44'54" W	15.38'
309 - 310	SEE CURVE TABLE	---
310 - 311	N 40°08'26" W	1,120.09'
311 - 312	N 49°51'34" E	1.61'
312 - 313	N 49°51'34" E	41.89'
313 - 314	S 40°08'26" E	776.65'
314 - 301	N 49°50'16" E	59.98'

R/W POINT AND OFFSETS		
POINT	STATION	OFFSET
300	57+30.51	---
301	50+50.98	---
302	233+89.72	60.00'
303	233+00.00	6.00'
304	232+70.00	41.96'
305	233+70.00	---
306	227+06.79	---
307	227+06.79	42.14'
308	226+58.42	52.67'
309	227+13.79	52.22'
310	230+86.20	43.57'
311	242+06.35	43.50'
312	242+06.35	41.89'
313	242+06.35	---
314	234+29.69	---

2111922
Recorded
August 15, 2017 12:18 PM
OUTAGAMIE COUNTY
SARAH R VAN CAMP
REGISTER OF DEEDS
Fee Amount: $25.00
Total Pages: 1
Cabinet M, Page 92

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 4650-08-21-4.03
SHEET 1 OF 1
AMENDMENT NO.2



NOTE: OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES AND ARE SUBJECT TO CHANGE PRIOR TO TRANSFER OF LAND INTERESTS TO THE CITY OF KAUKAUNA

SCHEDULE OF LANDS & INTERESTS REQUIRED							
PARCEL NUMBER	OWNER (S)	INTEREST REQUIRED	FEE R/W SQ. FT. REQUIRED NEW	EXISTING	TOTAL	T.L.E. SQ FT	P.L.E. SQ FT
20	LORI, GARY, MELVIN VANDENBLOOMER	FEE & TLE	1,044	---	1,044	1,737	---
21	HINDU TEMPLE OF NE WISC, INC.-KAUKAUNA CHURCHES	FEE,PLE & TLE	863	---	863	6,828	360
22	VSMC LEASING, LLC	FEE,PLE & TLE	447	---	447	4,762	645
23	BUI PROPERTIES	FEE,PLE & TLE	1,021	---	1,021	9,206	308
24	BASSETT KAUKAUNA, LLC	FEE & TLE	1,886	---	1,886	6,810	---
25	WAYNE C. BODDE	TLE	---	---	---	1,515	---
26	TEAM INDUSTRIES, INC.	PLE & TLE	---	---	---	3,497	269

SCHEDULE OF UTILITY INTEREST		
UTILITY NUMBER	OWNER	INTEREST REQUIRED
101	TIME WARNER CABLE- CABLE TV	RELEASE OF RIGHTS
102	CITY OF KAUKAUNA- SEWER	NO RELEASE REQUIRED,INTERESET MERGED
103	KAUKAUNA UTILITIES- ELECTRIC	RELEASE OF RIGHTS
104	KAUKAUNA UTILITIES- WATER	RELEASE OF RIGHTS
105	WE ENERGIES- GAS	RELEASE OF RIGHTS
106	AT&T WISCONSIN	RELEASE OF RIGHTS

SCHEDULE OF SIGN STRUCTURES		
SIGN NUMBER	OWNER	OASIS NUMBER
21-1	KAUKAUNA CHURCHES HINDU TEMPLE OF NE WISC, INC.	3925

JJ ENGINEERING, INC Consultant Services

I, MICHAEL D. VANDE HEI, PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE CITY OF KAUKAUNA, I HAVE SURVEYED AND MAPPED TRANSPORTATION PROJECT PLAT 4650-08-21 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

SIGNATURE: _____ DATE: 8/4/17
PRINT NAME: MICHAEL D. VANDE HEI
REGISTRATION NUMBER: S-2241

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE CITY OF KAUKAUNA

SIGNATURE: _____ DATE: 8/4/17
PRINT NAME: JOHN SUNDELIUS
DIRECTOR OF PUBLIC WORKS

FILE NAME : X:\PROJECTS\OUTAGAMIE\4650-08-00 STH 55\DESIGN\C3D\SHEETSPLAN\TPP PLAT_V12 (2-7).DWG
APPRAISAL PLAT DATE : ----------
PLOT DATE : 8/1/2017 3:19 PM PLOT BY : JEFF ZLATOHLAVEK PLOT NAME : PLOT SCALE : ==========

TRANSPORTATION PROJECT PLAT NO: 4650-08-21 - 4.04

THAT PART OF LOT 1, CSM 323, ALL LOCATED IN PRIVATE CLAIM 34; PART OF LOT 1, CITY OF KAUKAUNA INDUSTRIAL PARK NO.1, AND THAT PART OF LOTS 1 AND 2, CSM 2264, AND PART OF LOTS 15 AND 17, 1890 ASSESSORS PLAT CITY OF KAUKAUNA, LOCATED IN PRIVATE CLAIM 35; CITY OF KAUKAUNA, OUTAGAMIE COUNTY, WISCONSIN.

2052081
Recorded
August 19, 2015 2:35 PM
OUTAGAMIE COUNTY
SARAH E VAN CAMP
REGISTER OF DEEDS
Fee Amount: $25.00
Total Pages: 1
Cabinet M Page 3

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 4650-08-21-4.04
SHEET 1 OF 1
AMENDMENT NO:___

JT ENGINEERING, INC
Consultant Services

I, MICHAEL D. VANDE HEI, PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE CITY OF KAUKAUNA, I HAVE SURVEYED AND MAPPED TRANSPORTATION PROJECT PLAT 4650-08-21 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

SIGNATURE: _____ DATE:08/05/15
PRINT NAME: MICHAEL D. VANDE HEI
REGISTRATION NUMBER: S-2241

WISCONSIN — MICHAEL D. VANDE HEI S-2241 De Pere, WI — LAND SURVEYOR

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE CITY OF KAUKAUNA

SIGNATURE: _____ DATE: 8/19/15
PRINT NAME: JOHN SUNDELIUS
DIRECTOR OF PUBLIC WORKS

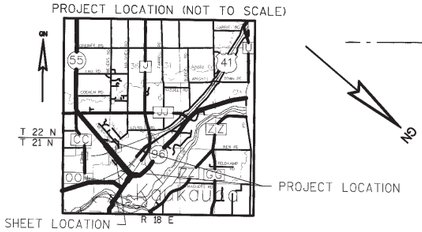
NOTES:

COORDINATES AND BEARINGS SHOWN ON THIS PLAT ARE REFERENCED TO THE WISCONSIN COUNTY COORDINATE SYSTEM, OUTAGAMIE COUNTY ZONE, NAD83 (91) ADJUSTMENT. THE COORDINATES SHOWN ARE GRID COORDINATES AND ARE TO BE USED AS GRID OR GROUND VALUES ON THIS PLAT.

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE:
EXISTING HIGHWAY RIGHT-OF-WAY FOR STH 55 ESTABLISHED FROM PREVIOUS PROJECT 3657 AND 3739.
EXISTING HIGHWAY RIGHT-OF-WAY FOR GERTRUDE STREET ESTABLISHED FROM C.S.M. 2264.
EXISTING HIGHWAY RIGHT-OF-WAY FOR MALONEY ROAD ESTABLISHED FROM C.S.M. 323 AND C.S.M. 2679.
EXISTING ACCESS CONTROL ALONG USH 41 ESTABLISHED FORM PREVIOUS PROJECT 1-03-02 (28).

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2, IN CABINET L OF TRANSPORTATION PROJECT PLATS, PAGE 127 & 128, AS DOCUMENT NO. 2051573 FOR ADDITIONAL INFORMATION.

PROJECT LOCATION (NOT TO SCALE)



RELOCATION ORDER STH 55 CITY OF KAUKAUNA (LAWE STREET-USH 41)

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

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 62.22, WISCONSIN STATUTES, THE CITY OF KAUKAUNA HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE CITY FOR THE ABOVE ABOVE AND SHALL BE AQUIRED IN THE NAME OF THE CITY OF KAUKAUNA, PURSUANT TO THE PROVISIONS OF SECTION 62.22, WISCONSIN STATUTES

SCHEDULE OF LANDS & INTERESTS REQUIRED							
PARCEL NUMBER	OWNER (S)	INTEREST REQUIRED	FEE R/W SQ. FT, REQUIRED NEW	EXISTING	TOTAL	T.L.E. SQ FT	P.L.E. SQ FT
26	TEAM INDUSTRIES, INC.	FEE & TLE	3,612	---	3,612	6,761	---
27	KMS KAUKAUNA, LLC - CITY OF KAUKAUNA	FEE, PLE, TLE	5,394	---	5,394	7,150	612
28	TAUGNER ENTRPRISES, INC	FEE & TLE	5,432	---	5,432	10,318	---
29	CONVENIENCE STORE INVESTMENTS	FEE,ACCESS, TLE	37,289	---	37,289	9,628	---
38	MICHAEL M. AND ROGER P. NELESSEN LOIS L. AND JANE C. VANDENBOOGART	TLE	---	---	---	746	---

NOTE: OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES AND ARE SUBJECT TO CHANGE PRIOR TO TRANSFER OF LAND INTERESTS TO THE CITY OF KAUKAUNA

SCHEDULE OF SIGN STRUCTURES		
SIGN NUMBER	OWNER	OASIS NUMBER
27-1	CITY OF KAUKAUNA	N/A

SCHEDULE OF UTILITY INTEREST		
UTILITY NUMBER	OWNER	INTEREST REQUIRED
100	TIME WARNER CABLE- FIBER	RELEASE OF RIGHTS
103	CITY OF KAUKAUNA- ELECTRIC	RELEASE OF RIGHTS
104	KAUKAUNA UTILITIES- WATER	RELEASE OF RIGHTS
106	AT&T- TELEPHONE	RELEASE OF RIGHTS

STH 55 NB- PI-A
P.I.=225+80.48
Y=573,577.873
X=864,680.270

STH 55 NB- 434
P.I.=249+51.30
Y=575,401.217
X=863,179.289

CURVE DATA
STH 55 NB
P.I.=255+24.02
Y=575,822.410
X=862,818.457

CURVE DATA- C18
STH 55 NB
P.I.=247+37.85
Y=575,203.789
X=863,270.804
DELTA =51°18'02"
DEGREE =44°04'26"
R = 130.00'
L. = 116.40'
T. = 62.43'
P.C.=246+75.42
P.T.=247+91.82

CURVE DATA- CA
STH 55 NB
P.I.=243+06.92
Y=574,897.744
X=863,567.238
DELTA =05°45'28"
DEGREE =02°51'53"
R = 2000.00'
L. = 200.98'
T. = 100.58'
P.C.=242+06.35
P.T.=244+07.33

CURVE DATA- C17
STH 55 NB
P.I.=250+48.37
Y=575,453.071
X=863,097.233
DELTA =11°22'23"
DEGREE =10°48'38"
R = 530.00'
L. = 105.20'
T. = 52.78'
P.C.=249+95.59
P.T.=251+00.80

CURVE DATA- CB
STH 55 NB
P.I.=244+98.60
Y=575,056.068
X=863,458.901
DELTA =12°38'26"
DEGREE =6°57'12"
R = 824.00'
L. = 181.79'
T. = 91.27'
P.C.=244+07.33
P.T.=245+89.12

CURVE DATA- C16
STH 55 NB
P.I.=251+67.33
Y=575,534.809
X=863,010.325
DELTA =09°30'31"
DEGREE =07°09'43"
R = 800.00'
L. = 132.76'
T. = 66.53'
P.C.=251+00.80
P.T.=252+33.56

CURVE DATA- C19
STH 55 NB
P.I.=246+32.41
Y=575,147.790
X=863,360.461
DELTA =10°59'15"
DEGREE =12°43'57"
R = 450.00'
L. = 86.30'
T. = 43.28'
P.C.=245+89.12
P.T.=246+75.42

CURVE DATA- C15
STH 55 NB
P.I.=253+04.76
Y=575,610.635
X=862,895.341
DELTA =53°54'48"
DEGREE =40°55'32"
R = 140.00'
L. = 131.74'
T. = 71.20'
P.C.=252+33.56
P.T.=253+65.29

CURVE DATA- C13
USH 41 NB OFF RAMP
P.I.=1122+95.68
Y=575,678.464
X=862,587.334
DELTA =27°30'38"
DEGREE =16°51'06"
R = 340.00'
L. = 163.25'
T. = 83.23'
P.C.=1122+12.45
P.T.=1123+75.70

CURVE DATA- C14
USH 41 NB OFF RAMP
P.I.=1124+16.61
Y=575,715.527
X=862,705.817
DELTA =3°30'54"
DEGREE =39°30'52"
R = 145.00'
L. = 79.76'
T. = 40.92'
P.C.=1123+75.70
P.T.=1124+55.46

CURVE DATA
GERTRUDE/MALONEY
P.I.=26+95.27
Y=574,721.988
X=862,675.203

CURVE DATA- PI-B
GERTRUDE/MALONEY
P.I.=35+93.90
Y=575,354.711
X=863,290.787

CURVE DATA
GERTRUDE/MALONEY
P.I.=27+55.22
Y=574,779.645
X=862,691.648
DELTA =15°10'42"
DEGREE =12°57'17"
R = 450.00'
L. = 119.21'
T. = 59.96'
P.C.=26+95.27
P.T.=28+44.48

CURVE DATA- CC
GERTRUDE/MALONEY
P.I.=28+71.99
Y=574,878.518
X=862,754.988
DELTA =14°53'35"
DEGREE =13°01'18"
R = 440.00'
L. = 114.37'
T. = 57.51'
P.C.=28+14.48
P.T.=29+28.85

CURVE DATA- CD
GERTRUDE/MALONEY
P.I.=29+40.97
Y=574,924.061
X=862,807.659
DELTA =02°46'39"
DEGREE =11°27'33"
R = 500.00'
L. = 24.24'
T. = 12.12'
P.C.=29+28.85
P.T.=29+53.09

CURVE DATA- CE
GERTRUDE/MALONEY
P.I.=31+62.16
Y=575,076.674
X=862,967.768
DELTA =03°29'21"
DEGREE =04°19'27"
R = 1325.00'
L. = 80.69'
T. = 40.36'
P.C.=31+21.80
P.T.=32+02.49

CURVE DATA- C6
GERTRUDE/MALONEY
P.I.=32+51.58
Y=575,142.215
X=863,028.639
DELTA =08°38'17"
DEGREE =08°48'53"
R = 650.00'
L. = 98.00'
T. = 49.09'
P.C.=32+02.49
P.T.=33+00.48

CURVE DATA- C5
GERTRUDE/MALONEY
P.I.=33+58.93
Y=575,231.111
X=863,089.157
DELTA =42°34'43"
DEGREE =38°11'50"
R = 150.00'
L. = 111.47'
T. = 58.45'
P.C.=33+00.48
P.T.=34+11.95

CURVE TABLE						
CURVE	POINT-POINT	CHORD BEARING	RADIUS	LONG CHORD	ARC LENGTH
1	401 - 402	N 46°24'37" W	1,356.00'	296.28'	296.88'
2	402 - 403	N 57°05'00" W	380.50'	58.43'	58.49'
3	403 - 404	N 78°34'29" W	110.50'	23.80'	11.92'
4	404 - 405	S 78°22'37" W	40.50'	22.94'	24.15'
5	406 - 407	S 55°26'36" W	150.00'	109.37'	98.00'
6	407 - 408	S 38°35'11" W	650.00'	97.42'	111.47'
7	409 - 410	N 42°12'41" E	1,287.00'	43.45'	44.00'
8	410 - 411	N 40°48'28" E	1,287.00'	49.60'	19.06'
9	413 - 414	N 38°39'37" E	1,287.00'	41.92'	41.92'
10	415 - 416	N 36°37'41" E	1,280.50'	27.52'	27.52'
11	416 - 417	N 21°47'06" W	160.50'	78.89'	79.71'
12	417 - 418	N 11°06'15" E	105.50'	67.52'	68.73'
13	427 - 428	N 86°23'06" E	340.00'	161.69'	163.25'
14	428 - 429	N 88°23'24" E	145.00'	78.75'	79.76'
15	430 - 431	S 29°38'25" E	40.00'	126.93'	131.74'
16	431 - 432	S 51°50'34" E	800.00'	132.61'	132.76'
17	434 - 435	S 52°01'24" E	530.00'	105.03'	105.20'
18	435 - 436	S 32°21'40" E	130.00'	112.55'	116.40'
19	436 - 437	S 52°31'03" E	450.00'	86.17'	86.30'

R/W POINT AND OFFSETS		
POINT	STATION	OFFSET
400	242+06.35	726.96'
313	242+06.35	---
312	242+06.35	41.89'
311	242+06.35	43.50'
401	244+33.83	55.96'
402	247+29.15	60.40'
403	247+61.36	89.71'
404	247+68.10	110.31'
405	247+69.19	133.16'
406	34+11.95	---
407	33+00.48	---
408	32+02.49	---
409	31.95.68	38.00'
410	32+41.59	37.42'
411	32+62.36	36.64'
412	32+62.68	38.56'
413	32+80.84	35.66'
414	33+19.46	34.19'
415	33+27.56	41.71'
416	33+48.33	47.41'
417	249+88.32	109.64'
418	250+30.64	61.88'
419	250+50.00	57.04'

R/W POINT AND OFFSETS		
POINT	STATION	OFFSET
420	250+50.00	85.00'
421	252+00.00	105.00'
422	253+11.83	142.69'
423	1123+55.54	141.47'
424	1121+73.15	88.05'
425	1121+73.15	54.61'
426	1121+73.15	---
427	1122+12.45	---
428	1123+75.70	---
429	1124+55.46	---
430	253+65.29	---
431	252+33.56	---
432	251.0080	---
433	249+95.59	---
434	249+51.30	---
435	247+91.82	---
436	246+75.42	---
437	245+89.12	---
438	246+06.47	43.33'
439	245+02.84	47.91'
440	242+69.97	41.32'

R/W COURSE TABLE		
POINT-POINT	BEARING	DISTANCE
1214 - 400	N 40°23'34" W	1,812.47'
400 - 313	S 49°51'34" W	726.96'
313 - 312	S 49°51'34" W	41.89'
312 - 311	S 49°51'34" W	1.61'
311 - 401	N 40°08'26" W	230.85'
401 - 402	SEE CURVE TABLE	---
402 - 403	SEE CURVE TABLE	---
403 - 404	SEE CURVE TABLE	---
404 - 405	SEE CURVE TABLE	---
405 - 406	N 08°04'31" E	39.39'
406 - 407	SEE CURVE TABLE	---
407 - 408	SEE CURVE TABLE	---
408 - 409	N 56°59'22" W	38.59'
409 - 410	SEE CURVE TABLE	---
410 - 411	SEE CURVE TABLE	---
411 - 412	N 43°37'36" W	1.95'
412 - 413	N 46°22'24" E	17.37'
413 - 414	SEE CURVE TABLE	---
414 - 415	N 06°31'00" E	12.63'
415 - 416	SEE CURVE TABLE	---
416 - 417	SEE CURVE TABLE	---
417 - 418	SEE CURVE TABLE	---
418 - 419	N 40°12'12" W	22.07'
419 - 420	S 38°10'19" W	27.96'

R/W COURSE TABLE		
POINT-POINT	BEARING	DISTANCE
420 - 421	N 57°52'45" W	146.32'
421 - 422	N 54°41'17" W	179.19'
422 - 423	S 83°44'50" W	93.79'
423 - 424	N 77°05'35" W	236.32'
424 - 425	N 10°08'24" E	33.44'
425 - 426	N 10°08'24" E	54.61'
426 - 427	S 79°51'36" E	39.30'
427 - 428	SEE CURVE TABLE	---
428 - 429	SEE CURVE TABLE	---
429 - 430	S 80°47'05" E	148.43'
430 - 431	SEE CURVE TABLE	---
431 - 432	SEE CURVE TABLE	---
432 - 433	S 52°01'24" E	105.03'
433 - 434	S 57°42'36" E	44.29'
434 - 435	S 31°52'35" E	159.48'
435 - 436	SEE CURVE TABLE	---
436 - 437	SEE CURVE TABLE	---
437 - 438	N 19°05'58" E	46.98'
438 - 439	S 47°06'49" E	110.15'
439 - 440	S 35°16'53" E	235.29'
440 - 413	S 06°04'38" E	75.21'

SCALE, FEET 0 50 100

FILE NAME : X:\PROJECTS\OUTAGAMIE\4650-08-00 STH 55\DESIGN\C3D\SHEETSPLAN\TPP PLAT_V12 (2-7).DWG
APPRAISAL PLAT DATE : _____
PLOT DATE : 8/17/2015 9:07 AM
PLOT BY : JEFF ZLATOHLAVEK
PLOT NAME :
PLOT SCALE : **********

TRANSPORTATION PROJECT PLAT NO: 4650-08-21 - 4.04, AMENDMENT NO: 1

ENGINEERING, INC
Consultant Services

I, MICHAEL D. VANDE HEI, PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE CITY OF KAUKAUNA, I HAVE SURVEYED AND MAPPED TRANSPORTATION PROJECT PLAT 4650-08-21 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

SIGNATURE: _____ DATE: 01/04/16
PRINT NAME: MICHAEL D. VANDE HEI
REGISTRATION NUMBER: S-2241

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE CITY OF KAUKAUNA

SIGNATURE: _____ DATE: 01/04/16
PRINT NAME: JOHN SUNDELIUS
DIRECTOR OF PUBLIC WORKS

NOTES:

COORDINATES AND BEARINGS SHOWN ON THIS PLAT ARE REFERENCED TO THE WISCONSIN COUNTY COORDINATE SYSTEM, OUTAGAMIE COUNTY ZONE, NAD83 (91) ADJUSTMENT. THE COORDINATES SHOWN ARE GRID COORDINATES AND ARE TO BE USED AS GRID OR GROUND VALUES ON THIS PLAT.

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE:
EXISTING HIGHWAY RIGHT-OF-WAY FOR STH 55 ESTABLISHED FROM PREVIOUS PROJECT 3657 AND 3739.
EXISTING HIGHWAY RIGHT-OF-WAY FOR GERTRUDE STREET ESTABLISHED FROM C.S.M. 2264.
EXISTING HIGHWAY RIGHT-OF-WAY FOR MALONEY ROAD ESTABLISHED FROM C.S.M. 323 AND C.S.M. 2679.
EXISTING ACCESS CONTROL ALONG USH 41 ESTABLISHED FORM PREVIOUS PROJECT 1-03-02 (28).

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2, IN CABINET L OF TRANSPORTATION PROJECT PLATS, PAGE 127 & 128, AS DOCUMENT NO. 2051573 FOR ADDITIONAL INFORMATION.

AMENDS PARCEL 26 OF TPP 4650-08-21-4.04, RECORDED AS DOCUMENT 2052081, THAT PART OF LOT 1, CSM 323, ALL LOCATED IN PRIVATE CLAIM 34; PART OF LOT 1, CITY OF KAUKAUNA INDUSTRIAL PARK NO.1, AND THAT PART OF LOTS 1 AND 2, CSM 2264, AND PART OF LOTS 15 AND 17, 1890 ASSESSORS PLAT CITY OF KAUKAUNA, LOCATED IN PRIVATE CLAIM 35; CITY OF KAUKAUNA, OUTAGAMIE COUNTY, WISCONSIN.

RELOCATION ORDER STH 55 CITY OF KAUKAUNA (LAWE STREET-USH 41)

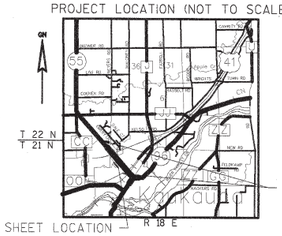
TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE CITY OF KAUKAUNA DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 62.22, WISCONSIN STATUTES, THE CITY OF KAUKAUNA HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE CITY FOR THE ABOVE AND ABOVE AND SHALL BE AQUIRED IN THE NAME OF THE CITY OF KAUKAUNA, PURSUANT TO THE PROVISIONS OF SECTION 62.22, WISCONSIN STATUTES

2062992
Recorded
January 05, 2016 11:40 AM
OUTAGAMIE COUNTY
SARAH R VAN CAMP
REGISTER OF DEEDS
Fee Amount: $25.00
Total Pages: 1
Cabinet M Page 11

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 4650-08-21-4.04
SHEET 1 OF 1
AMENDMENT NO: 1

PROJECT LOCATION (NOT TO SCALE)



STH 55 NB- PI-A
P.I.=225+80.48
Y=573,577.873
X=864,680.270

STH 55 NB- 434
P.I.=249+51.30
Y=575,401.217
X=863,179.289

CURVE DATA
STH 55 NB
P.I.=255+24.02
Y=575,822.410
X=862,818.457

CURVE DATA- C18
STH 55 NB
P.I.=247+37.85
Y=575,203.789
X=863,270.804
DELTA =51°18'02"
DEGREE =44°04'26"
R = 130.00'
L. = 116.40'
T. = 62.43'
P.C.=246+75.42
P.T.=247+91.82

CURVE DATA- CA
STH 55 NB
P.I.=243+06.92
Y=574,897.744
X=863,567.238
DELTA =05°46'28"
DEGREE =02°51'53"
R = 2000.00'
L. = 200.98'
T. = 100.58'
P.C.=242+06.35
P.T.=244+07.33

CURVE DATA- C17
STH 55 NB
P.I.=250+48.37
Y=575,453.071
X=863,097.233
DELTA =11°22'23"
DEGREE =10°48'38"
R = 530.00'
L. = 105.20'
T. = 52.78'
P.C.=249+95.59
P.T.=251+00.80

CURVE DATA- CB
STH 55 NB
P.I.=244+98.60
Y=575,056.068
X=863,458.901
DELTA =12°38'26"
DEGREE =6°57'12"
R = 824.00'
L. = 181.79'
T. = 91.27'
P.C.=244+07.33
P.T.=245+89.12

CURVE DATA- C16
STH 55 NB
P.I.=251+67.33
Y=575,534.809
X=863,010.325
DELTA =09°30'31"
DEGREE =07°09'43"
R = 800.00'
L. = 132.76'
T. = 66.53'
P.C.=251+00.80
P.T.=252+33.56

CURVE DATA- C19
STH 55 NB
P.I.=246+32.41
Y=575,147.790
X=863,360.461
DELTA =10°59'16"
DEGREE =12°43'57"
R = 450.00'
L. = 86.30'
T. = 43.28'
P.C.=245+89.12
P.T.=246+75.42

CURVE DATA- C15
STH 55 NB
P.I.=253+04.76
Y=575,610.635
X=862,895.341
DELTA =53°54'48"
DEGREE =40°55'32"
R = 140.00'
L. = 131.74'
T. = 71.20'
P.C.=252+33.56
P.T.=253+65.29

SCHEDULE OF SIGN STRUCTURES

SIGN NUMBER	OWNER	OASIS NUMBER
27-1	CITY OF KAUKAUNA	N/A

SCHEDULE OF LANDS & INTERESTS REQUIRED

PARCEL NUMBER	OWNER (S)	INTEREST REQUIRED	FEE R/W SQ. FT, REQUIRED NEW	FEE R/W SQ. FT, REQUIRED EXISTING	FEE R/W SQ. FT, REQUIRED TOTAL	T.L.E. SQ FT	P.L.E. SQ FT
26	TEAM INDUSTRIES, INC.	FEE & TLE	3,612	---	3,612	7,897	---
27	KMS KAUKAUNA, LLC - CITY OF KAUKAUNA	FEE, PLE, TLE	5,394	---	5,394	7,150	612
28	TAUGNER ENTRPRISES, INC	FEE & TLE	5,432	---	5,432	10,318	---
29	CONVENIENCE STORE INVESTMENTS	FEE,ACCESS, TLE	37,289	---	37,289	9,628	---
38	MICHAEL M. AND ROGER P. NELESSEN LOIS L. AND JANE C. VANDENBOOGART	TLE	---	---	---	746	---

NOTE: OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES AND ARE SUBJECT TO CHANGE PRIOR TO TRANSFER OF LAND INTERESTS TO THE CITY OF KAUKAUNA

SCHEDULE OF UTILITY INTEREST

UTILITY NUMBER	OWNER	INTEREST REQUIRED
100	TIME WARNER CABLE- FIBER	RELEASE OF RIGHTS
103	CITY OF KAUKAUNA- ELECTRIC	RELEASE OF RIGHTS
104	KAUKAUNA UTILITIES- WATER	RELEASE OF RIGHTS
106	AT&T- TELEPHONE	RELEASE OF RIGHTS

CURVE DATA-C 13
USH 41 NB OFF RAMP
P.I.=1122+95.68
Y=575,678.464
X=862,587.334
DELTA =27°30'38"
DEGREE =16°51'06"
R = 340.00'
L. = 163.25'
T. = 83.23'
P.C.=1122+12.45
P.T.=1123+75.70

CURVE DATA-C 14
USH 41 NB OFF RAMP
P.I.=1124+16.61
Y=575,715.527
X=862,705.817
DELTA =31°30'54"
DEGREE =39°30'52"
R = 145.00'
L. = 79.76'
T. = 40.92'
P.C.=1123+75.70
P.T.=1124+55.46

PRIVATE CLAIM 35
LOT 17
1890 ASSESSORS PLAT
CITY OF KAUKAUNA

LOT 15
1890 ASSESSORS PLAT
CITY OF KAUKAUNA

KAUKAUNA

LOT 1
CITY OF KAUKAUNA INDUSTRIAL PARK NO. 1

LOT 1,
CSM 2264. VOL. 12, PG. 2264, DOC. 1159392

LOT 2
CSM 2264, VOL. 12, PG. 2264, DOC. 1159392

LOT 2,
CSM 323, VOL. 2, PG. 323, DOC. 835086

LOT 1,
CSM 323, VOL. 2, PG. 323, DOC. 835086

PRIVATE CLAIM 34

SOUTH LINE PRIVATE CLAIM 34

CITY INGRESS-EGRESS EASEMENT
JACKET 10719, IMAGE 33, DOC. 990890
UTILITY EASMENT
CITY OF KAUKAUNA INDUSTRIAL PARK NO.1
RECORDED 11-12-1974

INGRESS-EGRESS EASEMENT
CSM 323, DOC. 835086

EASEMENT RELEASE
V. 2, PG. 323, DOC. 835086

TLE FOR GRADING AND DRIVEWAY CONSTRUCTION

PLE FOR STORM SEWER MAINTENANCE

TLE FOR GRADING AND DRIVEWAY CONSTRUCTION

ALUMINUM MONUMENT
Y=573,909.090
X=865,362.340

ALUMINUM MONUMENT
Y=581,243.410
X=859,121.910

NORTH LINE
PRIVATE CLAIM 34
LINE BEARING
S40°23'34"E, 9,629.91'

SEE SHEET 4.03

SEE SHEET 4.07

SEE SHEET 4.08

SEE SHEET 4.09

CURVE TABLE						
CURVE	POINT-POINT	CHORD BEARING	RADIUS	LONG CHORD	ARC LENGTH
1	401 - 402	N 46°24'37" W	1,356.00'	296.28'	296.88'
2	402 - 403	N 57°05'00" W	380.50'	58.43'	58.49'
3	403 - 404	N 78°34'29" W	110.50'	23.80'	11.92'
4	404 - 405	S 78°22'37" W	40.50'	22.94'	24.15'
5	406 - 407	S 55°26'36" W	150.00'	109.37'	98.00'
6	407 - 408	S 38°35'11" W	650.00'	97.42'	111.47'
7	409 - 410	N 42°12'41" E	1,287.00'	43.45'	44.00'
8	410 - 411	N 40°48'28" E	1,287.00'	49.60'	19.06'
9	413 - 414	N 38°39'37" E	1,287.00'	41.92'	41.92'
10	415 - 416	N 36°37'41" E	1,280.50'	27.52'	27.52'
11	416 - 417	N 21°47'06" W	160.50'	78.89'	79.71'
12	417 - 418	N 11°06'15" E	105.50'	67.52'	68.73'
13	427 - 428	N 86°23'06" E	340.00'	161.69'	163.25'
14	428 - 429	N 88°23'24" E	145.00'	78.75'	79.76'
15	430 - 431	S 29°38'25" E	40.00'	126.93'	131.74'
16	431 - 432	S 51°50'34" E	800.00'	132.61'	132.76'
17	434 - 435	S 52°01'24" E	530.00'	105.03'	105.20'
18	435 - 436	S 32°21'40" E	130.00'	112.55'	116.40'
19	436 - 437	S 52°31'03" E	450.00'	86.17'	86.30'

R/W POINT AND OFFSETS		
POINT	STATION	OFFSET
400	242+06.35	726.96'
313	242+06.35	---
312	242+06.35	41.89'
311	242+06.35	43.50'
401	244+33.83	55.96'
402	247+29.15	60.40'
403	247+61.36	89.71'
404	247+68.10	110.31'
405	247+69.19	133.16'
406	34+11.95	---
407	33+00.48	---
408	32+02.49	---
409	31.95.68	38.00'
410	32+41.59	37.42'
411	32+62.36	36.64'
412	32+62.68	38.56'
413	32+80.84	35.66'
414	33+19.46	34.19'
415	33+27.56	41.71'
416	33+48.33	47.41'
417	249+88.32	109.64'
418	250+30.64	61.88'
419	250+50.00	57.04'

R/W POINT AND OFFSETS		
POINT	STATION	OFFSET
420	250+50.00	85.00'
421	252+00.00	105.00'
422	253+11.83	142.69'
423	1123+55.54	141.47'
424	1121+73.15	88.05'
425	1121+73.15	54.61'
426	1121+73.15	---
427	1122+12.45	---
428	1123+75.70	---
429	1124+55.46	---
430	253+65.29	---
431	252+33.56	---
432	251.0080	---
433	249+95.59	---
434	249+51.30	---
435	247+91.82	---
436	246+75.42	---
437	245+89.12	---
438	246+06.47	43.33'
439	245+02.84	47.91'
440	242+68.97	41.32'

R/W COURSE TABLE		
POINT-POINT	BEARING	DISTANCE
1214 - 400	N 40°23'34" W	1,812.47'
400 - 313	S 49°51'34" W	726.96'
313 - 312	S 49°51'34" W	41.89'
312 - 311	S 49°51'34" W	1.61'
311 - 401	N 40°08'26" W	230.85'
401 - 402	SEE CURVE TABLE	---
402 - 403	SEE CURVE TABLE	---
403 - 404	SEE CURVE TABLE	---
404 - 405	SEE CURVE TABLE	---
405 - 406	N 08°04'31" E	39.39'
406 - 407	SEE CURVE TABLE	---
407 - 408	SEE CURVE TABLE	---
408 - 409	N 56°59'22" W	38.59'
409 - 410	SEE CURVE TABLE	---
410 - 411	SEE CURVE TABLE	---
411 - 412	N 43°37'36" W	1.95'
412 - 413	N 46°22'24" E	17.37'
413 - 414	SEE CURVE TABLE	---
414 - 415	N 06°31'00" E	12.63'
415 - 416	SEE CURVE TABLE	---
416 - 417	SEE CURVE TABLE	---
417 - 418	SEE CURVE TABLE	---
418 - 419	N 40°12'12" W	22.07'
419 - 420	S 38°10'19" W	27.96'

R/W COURSE TABLE		
POINT-POINT	BEARING	DISTANCE
420 - 421	N 57°52'45" W	146.32'
421 - 422	N 54°41'17" W	179.19'
422 - 423	S 83°44'50" W	93.79'
423 - 424	N 77°05'35" W	236.32'
424 - 425	N 10°08'24" E	33.44'
425 - 426	N 10°08'24" E	54.61'
426 - 427	S 79°51'36" E	39.30'
427 - 428	SEE CURVE TABLE	---
428 - 429	SEE CURVE TABLE	---
429 - 430	S 80°47'05" E	148.43'
430 - 431	SEE CURVE TABLE	---
431 - 432	SEE CURVE TABLE	---
432 - 433	S 52°01'24" E	105.03'
433 - 434	S 57°42'36" E	44.29'
434 - 435	S 31°52'35" E	159.48'
435 - 436	SEE CURVE TABLE	---
436 - 437	SEE CURVE TABLE	---
437 - 438	N 19°05'58" E	46.98'
438 - 439	S 47°06'49" E	110.15'
439 - 440	S 35°16'53" E	235.29'
440 - 413	S 06°04'38" E	75.21'

SCALE, FEET 0 50 100

CURVE DATA GERTRUDE/MALONEY
P.I.=26+95.27
Y=574,721.988
X=862,675.203

CURVE DATA GERTRUDE/MALONEY
P.I.=27+55.22
Y=574,779.645
X=862,691.648
DELTA =15°10'42"
DEGREE =12°57'17"
R = 450.00'
L. = 119.21'
T. = 59.96'
P.C.=26+95.27
P.T.=28+44.48

CURVE DATA- CE GERTRUDE/MALONEY
P.I.=31+62.16
Y=575,076.674
X=862,967.768
DELTA =03°29'21"
DEGREE =04°19'27"
R = 1325.00'
L. = 80.69'
T. = 40.36'
P.C.=31+21.80
P.T.=32+02.49

CURVE DATA- PI-B GERTRUDE/MALONEY
P.I.=35+93.90
Y=575,354.711
X=863,290.787

CURVE DATA- CC GERTRUDE/MALONEY
P.I.=28+71.99
Y=574,878.518
X=862,754.988
DELTA =14°53'35"
DEGREE =13°01'18"
R = 440.00'
L. = 114.37'
T. = 57.51'
P.C.=28+14.48
P.T.=29+28.85

CURVE DATA- C6 GERTRUDE/MALONEY
P.I.=32+51.58
Y=575,142.215
X=863,028.639
DELTA =08°38'17"
DEGREE =08°48'53"
R = 650.00'
L. = 98.00'
T. = 49.09'
P.C.=32+02.49
P.T.=33+00.48

CURVE DATA- CD GERTRUDE/MALONEY
P.I.=29+40.97
Y=574,924.061
X=862,807.659
DELTA =02°46'39"
DEGREE =11°27'33"
R = 500.00'
L. = 24.24'
T. = 12.12'
P.C.=29+28.85
P.T.=29+53.09

CURVE DATA- C5 GERTRUDE/MALONEY
P.I.=33+58.93
Y=575,231.111
X=863,089.157
DELTA =42°34'43"
DEGREE =38°11'50"
R = 150.00'
L. = 111.47'
T. = 58.45'
P.C.=33+00.48
P.T.=34+11.95

FILE NAME : X:\PROJECTS\OUTAGAMIE\4650-08-00 STH 55\DESIGN\C3D\SHEETSPLAN\TPP PLAT_V12 (2-7).DWG
APPRAISAL PLAT DATE : _____
PLOT DATE : 1/4/2016 9:06 AM
PLOT BY : JEFF ZLATOHLAVEK
PLOT NAME :
PLOT SCALE : ==========

TRANSPORTATION PROJECT PLAT NO: 4650-08-21- 4.04, AMENDMENT NO: 2

AMENDS UTILITY NUMBER 101, UTILITY NUMBER 103, UTILITY NUMBER 106, AND PARCEL 29 NAME CHANGE AND SQUARE FOOT CHANGE OF TPP 4650-08-21-4.04, RECORDED AS DOCUMENT 2062992

THAT PART OF LOT 1, CSM 323, ALL LOCATED IN PRIVATE CLAIM 34; PART OF LOT 1, CITY OF KAUKAUNA INDUSTRIAL PARK NO.1, AND THAT PART OF LOTS 1 AND 2, CSM 2264, AND PART OF LOTS 15 AND 17, 1890 ASSESSORS PLAT CITY OF KAUKAUNA, LOCATED IN PRIVATE CLAIM 35; CITY OF KAUKAUNA, OUTAGAMIE COUNTY, WISCONSIN.

RELOCATION ORDER STH 55 CITY OF KAUKAUNA (LAWE STREET-USH 41)

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

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 62.22, WISCONSIN STATUTES, THE CITY OF KAUKAUNA HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE CITY FOR THE ABOVE ABOVE AND SHALL BE AQUIRED IN THE NAME OF THE CITY OF KAUKAUNA, PURSUANT TO THE PROVISIONS OF SECTION 62.22, WISCONSIN STATUTES

JT ENGINEERING, INC
Consultant Services

I, MICHAEL D. VANDE HEI, PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE CITY OF KAUKAUNA, I HAVE SURVEYED AND MAPPED TRANSPORTATION PROJECT PLAT 4650-08-21 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

SIGNATURE: _____ DATE: 07/20/16
PRINT NAME: MICHAEL D. VANDE HEI
REGISTRATION NUMBER: S-2241

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE CITY OF KAUKAUNA

SIGNATURE: _____ DATE 07/25/16
PRINT NAME: JOHN SUNDELIUS
DIRECTOR OF PUBLIC WORKS

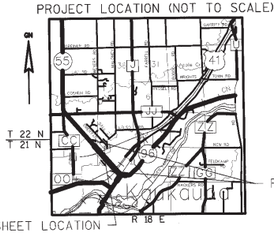
NOTES:

COORDINATES AND BEARINGS SHOWN ON THIS PLAT ARE REFERENCED TO THE WISCONSIN COUNTY COORDINATE SYSTEM, OUTAGAMIE COUNTY ZONE, NAD83 (91) ADJUSTMENT. THE COORDINATES SHOWN ARE GRID COORDINATES AND ARE TO BE USED AS GRID OR GROUND VALUES ON THIS PLAT.

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE:
EXISTING HIGHWAY RIGHT-OF-WAY FOR STH 55 ESTABLISHED FROM PREVIOUS PROJECT 3657 AND 3739.
EXISTING HIGHWAY RIGHT-OF-WAY FOR GERTRUDE STREET ESTABLISHED FROM C.S.M. 2264.
EXISTING HIGHWAY RIGHT-OF-WAY FOR MALONEY ROAD ESTABLISHED FROM C.S.M. 323 AND C.S.M. 2679.
EXISTING ACCESS CONTROL ALONG USH 41 ESTABLISHED FORM PREVIOUS PROJECT T-03-02 (28).

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2, IN CABINET L OF TRANSPORTATION PROJECT PLATS, PAGE 127 & 128, AS DOCUMENT NO. 2051573 FOR ADDITIONAL INFORMATION.

PROJECT LOCATION (NOT TO SCALE)



2079012
Recorded
July 25, 2016 2:55 PM
OUTAGAMIE COUNTY
SARAH R VAN CAMP
REGISTER OF DEEDS
Fee Amount: $25.00
Total Pages: 1
CABINET M PAGE 18

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 4650-08-21-4.04
SHEET 1 OF 1
AMENDMENT NO: 2

SCHEDULE OF LANDS & INTERESTS REQUIRED							
PARCEL NUMBER	OWNER (S)	INTEREST REQUIRED	FEE R/W SQ. FT, REQUIRED NEW	EXISTING	TOTAL	T.L.E. SQ FT	P.L.E. SQ FT
26	TEAM INDUSTRIES, INC.	FEE & TLE	3,612	---	3,612	7,897	---
27	KMS KAUKAUNA, LLC - CITY OF KAUKAUNA	FEE, PLE, TLE	5,394	---	5,394	7,150	612
28	TAUGNER ENTRPRISES, INC	FEE & TLE	5,432	---	5,432	10,318	---
29	KT REAL ESTATE HOLDINGS, LLC F/K/A CONVENIENCE STORE INVESTMENTS	FEE,ACCESS, TLE	40,946	---	40,946	9,628	---
38	MICHAEL M. AND ROGER P. NELESSEN LOIS L. AND JANE C. VANDENBOOGART	TLE	---	---	---	746	---

TLE FOR GRADING AND DRIVEWAY CONSTRUCTION

NOTE: OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES AND ARE SUBJECT TO CHANGE PRIOR TO TRANSFER OF LAND INTERESTS TO THE CITY OF KAUKAUNA

SCHEDULE OF SIGN STRUCTURES		
SIGN NUMBER	OWNER	OASIS NUMBER
27-1	CITY OF KAUKAUNA	N/A

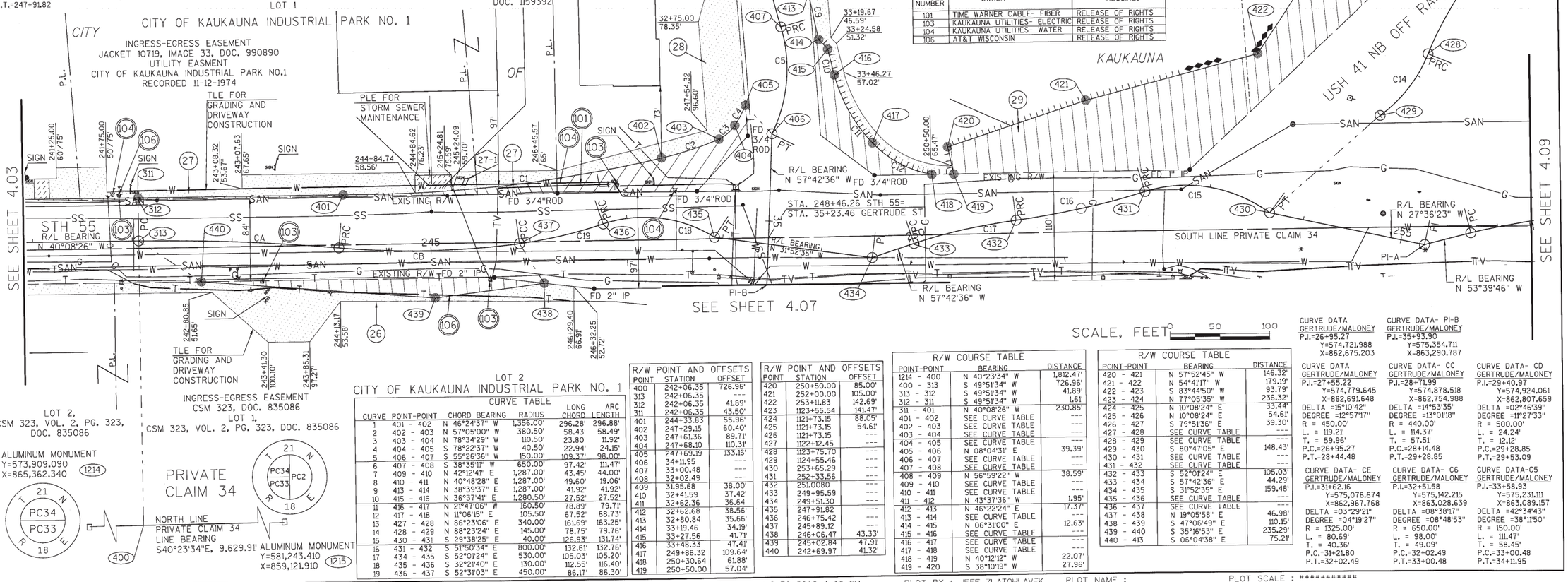
SCHEDULE OF UTILITY INTEREST		
UTILITY NUMBER	OWNER	INTEREST REQUIRED
101	TIME WARNER CABLE- FIBER	RELEASE OF RIGHTS
103	KAUKAUNA UTILITIES- ELECTRIC	RELEASE OF RIGHTS
104	KAUKAUNA UTILITIES- WATER	RELEASE OF RIGHTS
106	AT&T WISCONSIN	RELEASE OF RIGHTS

SEE SHEET 4.08

SEE SHEET 4.03

SEE SHEET 4.09

SEE SHEET 4.07



R/W POINT AND OFFSETS		
POINT	STATION	OFFSET
400	242+06.35	726.96'
313	242+06.35	---
312	242+06.35	41.89'
311	242+06.35	43.50'
401	244+33.83	55.36'
402	247+29.15	60.40'
403	247+61.36	89.71'
404	247+68.10	110.31'
405	247+69.19	133.16'
406	34+11.95	---
407	33+00.48	---
408	32+02.49	---
409	31.95.68	38.00'
410	32+41.59	37.42'
411	32+62.36	36.64'
412	32+62.68	38.56'
413	32+80.84	35.66'
414	33+19.46	34.19'
415	33+27.56	41.71'
416	33+48.33	47.41'
417	249+88.32	109.64'
418	250+30.64	61.88'
419	250+50.00	57.04'

R/W POINT AND OFFSETS		
POINT	STATION	OFFSET
420	250+50.00	85.00'
421	252+00.00	105.00'
422	253+11.83	142.69'
423	1123+55.54	141.47'
424	1121+73.15	88.05'
425	1121+73.15	54.61'
426	1121+73.15	---
427	1122+12.45	---
428	1123+75.70	---
429	1124+55.46	---
430	253+65.29	---
431	252+33.56	---
432	251.0080	---
433	249+95.59	---
434	249+51.30	---
435	247+91.82	---
436	246+75.42	---
437	245+89.12	---
438	246+06.47	43.33'
439	245+02.84	47.91'
440	242+69.97	41.32'

R/W COURSE TABLE		
POINT-POINT	BEARING	DISTANCE
1214 - 400	N 40°23'34" W	1,812.47'
400 - 313	S 49°51'34" W	726.96'
313 - 312	S 49°51'34" W	41.89'
312 - 311	S 49°51'34" W	1.61'
311 - 401	N 40°08'26" W	230.85'
401 - 402	SEE CURVE TABLE	---
402 - 403	SEE CURVE TABLE	---
403 - 404	SEE CURVE TABLE	---
404 - 405	SEE CURVE TABLE	---
405 - 406	N 08°04'31" E	39.39'
406 - 407	SEE CURVE TABLE	---
407 - 408	SEE CURVE TABLE	---
408 - 409	N 56°59'22" W	38.59'
409 - 410	SEE CURVE TABLE	---
410 - 411	SEE CURVE TABLE	---
411 - 412	N 43°37'36" W	1.95'
412 - 413	N 46°22'24" E	17.37'
413 - 414	SEE CURVE TABLE	---
414 - 415	N 06°31'00" E	12.63'
415 - 416	SEE CURVE TABLE	---
416 - 417	SEE CURVE TABLE	---
417 - 418	SEE CURVE TABLE	---
418 - 419	N 40°12'12" W	22.07'
419 - 420	S 38°10'19" W	27.96'

R/W COURSE TABLE		
POINT-POINT	BEARING	DISTANCE
420 - 421	N 57°52'45" W	146.32'
421 - 422	N 54°41'17" W	179.19'
422 - 423	S 83°44'50" W	93.79'
423 - 424	N 77°05'35" W	236.32'
424 - 425	N 10°08'24" E	33.44'
425 - 426	N 10°08'24" E	54.61'
426 - 427	S 79°51'36" E	39.30'
427 - 428	SEE CURVE TABLE	---
428 - 429	SEE CURVE TABLE	---
429 - 430	S 80°47'05" E	148.43'
430 - 431	SEE CURVE TABLE	---
431 - 432	SEE CURVE TABLE	---
432 - 433	S 52°01'24" E	105.03'
433 - 434	S 57°42'36" E	44.29'
434 - 435	S 31°52'35" E	159.48'
435 - 436	SEE CURVE TABLE	---
436 - 437	SEE CURVE TABLE	---
437 - 438	N 19°05'58" E	46.98'
438 - 439	S 47°06'49" E	110.15'
439 - 440	S 35°16'53" E	235.29'
440 - 413	S 06°04'38" E	75.21'

CURVE TABLE							
CURVE	POINT-POINT	CHORD	BEARING	RADIUS	LONG CHORD	ARC LENGTH
1	401 - 402	N	46°24'37" W	1,356.00'	296.28'	296.88'
2	402 - 403	N	57°05'00" W	380.50'	58.43'	58.49'
3	403 - 404	N	78°34'29" W	110.50'	23.80'	11.92'
4	404 - 405	S	78°22'37" W	40.50'	22.94'	24.15'
5	406 - 407	S	55°26'36" W	150.00'	109.37'	98.00'
6	407 - 408	S	38°35'11" W	650.00'	97.42'	111.47'
7	409 - 410	N	42°12'41" E	1,287.00'	43.45'	44.00'
8	410 - 411	N	40°48'28" E	1,287.00'	49.60'	19.06'
9	413 - 414	N	38°39'37" E	1,287.00'	41.92'	41.92'
10	415 - 416	N	36°37'41" E	1,280.50'	27.52'	27.52'
11	416 - 417	N	21°47'06" W	160.50'	78.89'	79.71'
12	417 - 418	N	11°06'15" E	105.50'	67.52'	68.73'
13	427 - 428	N	86°23'06" E	340.00'	161.69'	163.25'
14	428 - 429	N	88°23'24" E	145.00'	78.75'	79.76'
15	430 - 431	S	29°38'25" E	40.00'	126.93'	131.74'
16	431 - 432	S	51°50'34" E	800.00'	132.61'	132.76'
17	434 - 435	S	52°01'24" E	530.00'	105.03'	105.20'
18	435 - 436	S	32°21'40" E	130.00'	112.55'	116.40'
19	436 - 437	S	52°31'03" E	450.00'	86.17'	86.30'

CURVE DATA GERTRUDE/MALONEY
P.I.=26+95.27
Y=574,721.988
X=862,675.203
DELTA =27+55.22
DEGREE =12°57'17"
R = 450.00'
L. = 119.21'
T. = 59.96'
P.C.=26+95.27
P.T.=28+44.48

CURVE DATA- PI-B GERTRUDE/MALONEY
P.I.=35+93.90
Y=575,354.711
X=863,290.787
DELTA =71.99
DEGREE =13°01'18"
R = 440.00'
L. = 114.37'
T. = 57.51'
P.C.=28+14.48
P.T.=29+28.85

CURVE DATA- CC GERTRUDE/MALONEY
P.I.=28+71.99
Y=574,878.518
X=862,754.988
DELTA =14°53'35"
DEGREE =08°48'53"
R = 650.00'
L. = 98.00'
T. = 49.09'
P.C.=32+02.49
P.T.=33+00.48

CURVE DATA- CD GERTRUDE/MALONEY
P.I.=29+40.97
Y=574,924.061
X=862,807.659
DELTA =02°46'39"
DEGREE =11°27'33"
R = 500.00'
L. = 24.24'
T. = 12.12'
P.C.=29+28.85
P.T.=29+53.09

CURVE DATA- CE GERTRUDE/MALONEY
P.I.=31+62.16
Y=575,076.674
X=862,967.768
DELTA =03°29'21"
DEGREE =04°19'27"
R = 1325.00'
L. = 80.69'
T. = 40.36'
P.C.=31+21.80
P.T.=32+02.49

CURVE DATA- C6 GERTRUDE/MALONEY
P.I.=32+51.58
Y=575,142.215
X=863,028.639
DELTA =08°38'17"
DEGREE =08°48'53"
R = 650.00'
L. = 98.00'
T. = 49.09'
P.C.=32+02.49
P.T.=33+00.48

CURVE DATA-C5 GERTRUDE/MALONEY
P.I.=33+58.93
Y=575,231.111
X=863,089.157
DELTA =42°34'43"
DEGREE =38°11'50"
R = 150.00'
L. = 111.47'
T. = 58.45'
P.C.=33+00.48
P.T.=34+11.95

SCALE, FEET 0 50 100

FILE NAME : X:\PROJECTS\OUTAGAMIE\4650-08-00 STH 55\DESIGN\C3D\SHEETSPLAN\TPP PLAT_V12 (2-7).DWG
APPRAISAL PLAT DATE : _____
PLOT DATE : 6/30/2016 4:16 PM
PLOT BY : JEFF ZLATOHLAVEK
PLOT NAME :
PLOT SCALE : **********

TRANSPORTATION PROJECT PLAT NO: 4650-08-21- 4.04, AMENDMENT NO: 3

JJ ENGINEERING, INC Consultant Services

I, MICHAEL D. VANDE HEI, PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE CITY OF KAUKAUNA, I HAVE SURVEYED AND MAPPED TRANSPORTATION PROJECT PLAT 4650-08-21 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

SIGNATURE: _____ DATE: 8/4/17
PRINT NAME: MICHAEL D. VANDE HEI
REGISTRATION NUMBER: S-2241

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE CITY OF KAUKAUNA

SIGNATURE: _____ DATE: 8/4/17
PRINT NAME: JOHN SUNDELIUS
DIRECTOR OF PUBLIC WORKS

NOTES:

COORDINATES AND BEARINGS SHOWN ON THIS PLAT ARE REFERENCED TO THE WISCONSIN COUNTY COORDINATE SYSTEM, OUTAGAMIE COUNTY ZONE, NAD83 (91) ADJUSTMENT. THE COORDINATES SHOWN ARE GRID COORDINATES AND ARE TO BE USED AS GRID OR GROUND VALUES ON THIS PLAT.

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE:
EXISTING HIGHWAY RIGHT-OF-WAY FOR STH 55 ESTABLISHED FROM PREVIOUS PROJECT 3657 AND 3739.
EXISTING HIGHWAY RIGHT-OF-WAY FOR GERTRUDE STREET ESTABLISHED FROM C.S.M. 2264.
EXISTING HIGHWAY RIGHT-OF-WAY FOR MALONEY ROAD ESTABLISHED FROM C.S.M. 323 AND C.S.M. 2679.
EXISTING ACCESS CONTROL ALONG USH 41 ESTABLISHED FORM PREVIOUS PROJECT 1-03-02 (28).

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2, IN CABINET L OF TRANSPORTATION PROJECT PLATS, PAGE 127 & 128, AS DOCUMENT NO. 2051573 FOR ADDITIONAL INFORMATION.

AMENDS SECTION CORNER COORDINATES, LEAD IN BEARING AND DISTANCE OF TPP 4650-08-21-4.04, AMENDMENT NO. 2, RECORDED AS DOCUMENT 2079012, TPP 4650-08-21-4.04 AMENDMENT NO. 1, RECORDED AS DOCUMENT 2062992, AND TPP 4650-08-21-4.04, RECORDED AS DOCUMENT 2052081

THAT PART OF LOT 1, CSM 323, ALL LOCATED IN PRIVATE CLAIM 34; PART OF LOT 1, CITY OF KAUKAUNA INDUSTRIAL PARK NO.1, AND THAT PART OF LOTS 1 AND 2, CSM 2264, AND PART OF LOTS 15 AND 17, 1890 ASSESSORS PLAT CITY OF KAUKAUNA, LOCATED IN PRIVATE CLAIM 35; CITY OF KAUKAUNA, OUTAGAMIE COUNTY, WISCONSIN.

RELOCATION ORDER STH 55 CITY OF KAUKAUNA (LAWE STREET-USH 41)

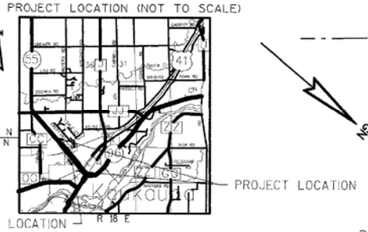
TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE CITY OF KAUKAUNA DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 62.22, WISCONSIN STATUTES, THE CITY OF KAUKAUNA HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE CITY FOR THE ABOVE AND SHALL BE AQUIRED IN THE NAME OF THE CITY OF KAUKAUNA, PURSUANT TO THE PROVISIONS OF SECTION 62.22, WISCONSIN STATUTES

2111923
Recorded
August 15, 2017 12:18 PM
OUTAGAMIE COUNTY
SARAH R VAN CAMP
REGISTER OF DEEDS
Fee Amount: $25.00
Total Pages: 1
Cabinet M, Page 91

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 4650-08-21-4.04
SHEET 1 OF 1
AMENDMENT NO: 3

PROJECT LOCATION (NOT TO SCALE)



SCHEDULE OF LANDS & INTERESTS REQUIRED

PARCEL NUMBER	OWNER (S)	INTEREST REQUIRED	FEE R/W SQ. FT. REQUIRED NEW	EXISTING	TOTAL	T.L.E. SQ FT	P.L.E. SQ FT
26	TEAM INDUSTRIES, INC.	FEE & TLE	3,612	---	3,612	7,897	---
27	KMS KAUKAUNA, LLC - CITY OF KAUKAUNA	FEE, PLE, TLE	5,394	---	5,394	7,150	612
28	TAUGNER ENTRPRISES, INC	FEE & TLE	5,432	---	5,432	10,318	---
29	KT REAL ESTATE HOLDINGS, LLC F/K/A CONVENIENCE STORE INVESTMENTS	FEE,ACCESS, TLE	40,946	---	40,946	9,628	---
38	MICHAEL M. AND ROGER P. NELESSEN LOIS L. AND JANE C. VANDENBOOGART	TLE	---	---	---	746	---

NOTE: OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES AND ARE SUBJECT TO CHANGE PRIOR TO TRANSFER OF LAND INTERESTS TO THE CITY OF KAUKAUNA

SCHEDULE OF UTILITY INTEREST

UTILITY NUMBER	OWNER	INTEREST REQUIRED
101	TIME WARNER CABLE- FIBER	RELEASE OF RIGHTS
103	KAUKAUNA UTILITIES- ELECTRIC	RELEASE OF RIGHTS
104	KAUKAUNA UTILITIES- WATER	RELEASE OF RIGHTS
106	AT&T WISCONSIN	RELEASE OF RIGHTS

SCHEDULE OF SIGN STRUCTURES

SIGN NUMBER	OWNER	OASIS NUMBER
27-1	CITY OF KAUKAUNA	N/A

STH 55 NB- PI-A
P.I.=225+80.48
Y=573,577.873
X=864,680.270

STH 55 NB- 434
P.I.=249+51.30
Y=575,401.217
X=863,179.289
CURVE DATA
STH 55 NB
P.I.=255+24.02
Y=575,822.410
X=862,818.457
CURVE DATA- C18
STH 55 NB
P.I.=247+37.85
Y=575,203.789
X=863,270.804
DELTA =51°18'02"
DEGREE =44°04'26"
R = 130.00'
L. = 116.40'
T. = 62.43'
P.C.=246+75.42
P.T.=247+91.82

CURVE DATA- CA
STH 55 NB
P.I.=243+06.92
Y=574,897.744
X=863,567.238
DELTA =05°45'28"
DEGREE =02°51'53"
R = 2000.00'
L. = 200.98'
T. = 100.58'
P.C.=242+06.35
P.T.=244+07.33

CURVE DATA- CB
STH 55 NB
P.I.=244+98.60
Y=575,056.068
X=863,458.901
DELTA =12°38'26"
DEGREE =6°57'12"
R = 824.00'
L. = 181.79'
T. = 91.27'
P.C.=244+07.33
P.T.=245+89.12

CURVE DATA- C19
STH 55 NB
P.I.=246+32.41
Y=575,147.790
X=863,360.461
DELTA =10°59'16"
DEGREE =12°43'57"
R = 450.00'
L. = 86.30'
T. = 43.28'
P.C.=245+89.12
P.T.=246+75.42

CURVE DATA- C17
STH 55 NB
P.I.=250+48.37
Y=575,453.071
X=863,097.233
DELTA =11°22'23"
DEGREE =10°48'38"
R = 530.00'
L. = 105.20'
T. = 52.78'
P.C.=249+95.59
P.T.=251+00.80

CURVE DATA- C16
STH 55 NB
P.I.=251+67.33
Y=575,534.809
X=863,010.325
DELTA =09°30'31"
DEGREE =07°09'43"
R = 800.00'
L. = 132.76'
T. = 66.53'
P.C.=251+00.80
P.T.=252+33.56

CURVE DATA- C15
STH 55 NB
P.I.=253+04.76
Y=575,610.635
X=862,895.341
DELTA =53°54'48"
DEGREE =40°55'32"
R = 140.00'
L. = 131.74'
T. = 71.20'
P.C.=252+33.56
P.T.=253+65.29

CURVE DATA- C13
USH 41 NB OFF RAMP
P.I.=1122+95.68
Y=575,678.464
X=862,587.334
DELTA =27°30'38"
DEGREE =16°51'06"
R = 340.00'
L. = 163.25'
T. = 83.23'
P.C.=1122+12.45
P.T.=1123+75.70

CURVE DATA- C14
USH 41 NB OFF RAMP
P.I.=1124+16.61
Y=575,715.527
X=862,705.817
DELTA =31°30'54"
DEGREE =39°30'52"
R = 145.00'
L. = 79.76'
T. = 40.92'
P.C.=1123+75.70
P.T.=1124+55.46

CURVE DATA
GERTRUDE/MALONEY
P.I.=27+55.22
Y=574,779.645
X=862,691.648
DELTA =15°10'42"
DEGREE =12°57'17"
R = 450.00'
L. = 119.21'
T. = 59.96'
P.C.=26+95.27
P.T.=28+14.48

CURVE DATA- PI-B
GERTRUDE/MALONEY
P.I.=35+93.90
Y=575,354.711
X=863,290.787

CURVE DATA
GERTRUDE/MALONEY
P.I.=28+71.99
Y=574,878.518
X=862,754.988
DELTA =14°53'35"
DEGREE =13°01'18"
R = 440.00'
L. = 114.37'
T. = 57.51'
P.C.=28+14.48
P.T.=29+28.85

CURVE DATA- CC
GERTRUDE/MALONEY
P.I.=28+74.98
Y=574,878.518
X=862,754.988
DELTA =14°53'35"
DEGREE =13°01'18"
R = 440.00'
L. = 114.37'
T. = 57.51'
P.C.=28+14.48
P.T.=29+28.85

CURVE DATA- CD
GERTRUDE/MALONEY
P.I.=29+40.97
Y=574,924.061
X=862,807.659
DELTA =02°46'39"
DEGREE =11°27'33"
R = 500.00'
L. = 24.24'
T. = 12.12'
P.C.=29+28.85
P.T.=29+53.09

CURVE DATA- CE
GERTRUDE/MALONEY
P.I.=31+62.16
Y=575,076.674
X=862,967.768
DELTA =03°29'21"
DEGREE =04°19'27"
R = 1325.00'
L. = 80.69'
T. = 40.36'
P.C.=31+21.80
P.T.=32+02.49

CURVE DATA- C6
GERTRUDE/MALONEY
P.I.=32+61.58
Y=575,142.215
X=863,028.639
DELTA =08°38'17"
DEGREE =08°48'53"
R = 650.00'
L. = 98.00'
T. = 49.09'
P.C.=32+02.49
P.T.=33+00.48

CURVE DATA- C5
GERTRUDE/MALONEY
P.I.=33+58.93
Y=575,231.111
X=863,089.157
DELTA =42°34'43"
DEGREE =38°11'50"
R = 150.00'
L. = 111.47'
T. = 58.45'
P.C.=33+00.48
P.T.=34+11.95

R/W POINT AND OFFSETS

POINT	STATION	OFFSET
400	242+06.35	727.11'
313	242+06.35	---
312	242+06.35	41.89'
311	242+06.35	43.50'
401	244+33.83	55.96'
402	247+29.15	60.40'
403	247+61.36	89.71'
404	247+68.10	110.31'
405	247+69.19	133.16'
406	34+11.95	---
407	33+00.48	---
408	32+02.49	---
409	31.95.68	38.00'
410	32+41.59	37.42'
411	32+62.36	36.64'
412	32+62.68	38.56'
413	32+80.84	35.66'
414	33+19.46	34.19'
415	33+27.56	41.71'
416	33+48.33	47.41'
417	249+88.32	109.64'
418	250+30.64	61.88'
419	250+50.00	57.04'

R/W POINT AND OFFSETS

POINT	STATION	OFFSET
420	250+50.00	85.00'
421	252+00.00	105.00'
422	253+11.83	142.69'
423	1123+55.54	141.47'
424	1121+73.15	88.05'
425	1121+73.15	54.61'
426	1121+73.15	---
427	1122+12.45	---
428	1123+75.70	---
429	1124+55.46	---
430	253+65.29	---
431	252+33.56	---
432	251.0080	---
433	249+95.59	---
434	249+51.30	---
435	247+91.82	---
436	246+75.42	---
437	245+89.12	---
438	246+06.47	43.33'
439	246+02.84	47.91'
440	242+69.57	41.32'

R/W COURSE TABLE

POINT-POINT	BEARING	DISTANCE
1214 - 400	N 40°23'29" W	1,812.12'
400 - 313	S 49°51'34" W	727.11'
313 - 312	S 49°51'34" W	41.89'
312 - 311	S 49°51'34" W	1.61'
311 - 401	N 40°08'26" W	230.85'
401 - 402	SEE CURVE TABLE	---
402 - 403	SEE CURVE TABLE	---
403 - 404	SEE CURVE TABLE	---
404 - 405	SEE CURVE TABLE	---
405 - 406	N 08°04'31" E	39.39'
406 - 407	SEE CURVE TABLE	---
407 - 408	SEE CURVE TABLE	---
408 - 409	N 56°59'22" W	38.59'
409 - 410	SEE CURVE TABLE	---
410 - 411	SEE CURVE TABLE	---
411 - 412	N 43°37'36" W	1.95'
412 - 413	N 46°22'24" E	17.37'
413 - 414	SEE CURVE TABLE	---
414 - 415	N 06°31'00" E	12.63'
415 - 416	SEE CURVE TABLE	---
416 - 417	SEE CURVE TABLE	---
417 - 418	SEE CURVE TABLE	---
418 - 419	N 40°12'12" W	22.07'
419 - 420	S 38°10'19" W	27.96'

R/W COURSE TABLE

POINT-POINT	BEARING	DISTANCE
420 - 421	N 57°52'45" W	146.32'
421 - 422	N 54°41'17" W	179.19'
422 - 423	S 83°44'50" W	93.79'
423 - 424	N 77°05'35" W	236.32'
424 - 425	N 10°08'24" E	33.47'
425 - 426	N 10°08'24" E	54.61'
426 - 427	S 79°51'36" E	39.30'
427 - 428	SEE CURVE TABLE	---
428 - 429	SEE CURVE TABLE	---
429 - 430	S 80°47'05" E	148.43'
430 - 431	SEE CURVE TABLE	---
431 - 432	SEE CURVE TABLE	---
432 - 433	S 52°01'24" E	105.03'
433 - 434	S 57°42'36" E	44.29'
434 - 435	S 31°52'35" E	159.48'
435 - 436	SEE CURVE TABLE	---
436 - 437	SEE CURVE TABLE	---
437 - 438	N 19°05'58" E	46.98'
438 - 439	S 47°06'49" E	110.15'
439 - 440	S 35°16'53" E	235.29'
440 - 413	S 06°04'38" E	75.21'

LOT 2
CITY OF KAUKAUNA INDUSTRIAL PARK NO. 1

CURVE TABLE

CURVE	POINT-POINT	CHORD BEARING	RADIUS	LONG CHORD	ARC LENGTH
1	401 - 402	N 46°24'37" W	1,356.00'	296.28'	296.88'
2	402 - 403	N 57°05'00" W	380.50'	58.43'	58.49'
3	403 - 404	N 78°34'29" W	40.50'	23.80'	24.15'
4	404 - 405	S 78°22'37" W	110.50'	22.94'	22.98'
5	406 - 407	S 55°25'36" W	150.00'	109.37'	111.47'
6	407 - 408	S 38°35'11" W	650.00'	97.42'	98.00'
7	409 - 410	N 42°12'41" E	1,287.00'	44.00'	44.00'
8	410 - 411	N 40°48'28" E	1,287.00'	19.60'	19.06'
9	413 - 414	N 38°39'37" E	1,287.00'	41.92'	41.92'
10	415 - 416	N 36°37'41" E	1,280.50'	27.52'	27.52'
11	416 - 417	N 21°47'05" W	160.50'	78.89'	79.71'
12	417 - 418	N 11°06'15" E	105.50'	67.52'	68.73'
13	427 - 428	N 86°23'06" E	340.00'	161.69'	163.25'
14	428 - 429	N 88°23'24" E	145.00'	78.75'	79.76'
15	430 - 431	S 29°38'25" E	140.00'	126.93'	131.74'
16	431 - 432	S 51°50'34" E	800.00'	132.51'	132.76'
17	434 - 435	S 52°01'24" E	530.00'	105.03'	105.20'
18	435 - 436	S 32°21'40" E	130.00'	112.55'	116.40'
19	436 - 437	S 52°31'03" E	450.00'	86.17'	86.30'

SEE SHEET 4.08
SEE SHEET 4.03
SEE SHEET 4.09
SEE SHEET 4.07

SCALE, FEET 0 50 100

FILE NAME : X:\PROJECTS\OUTAGAMIE\4650-08-00 STH 55\DESIGN\C3D\SHEETSPLAN\TPP PLAT_V12 (2-7).DWG
PLOT DATE : 8/1/2017 3:20 PM
PLOT BY : JEFF ZLATOHLAVEK
PLOT NAME :
PLOT SCALE : **********
APPRAISAL PLAT DATE : ----------

TRANSPORTATION PROJECT PLAT NO: 4650-08-21 - 4.05

THAT PART OF PRIVATE CLAIM 34; AND THAT PART OF LOTS 2 AND 3, CSM 5680, LOCATED IN PRIVATE CLAIM 35; CITY OF KAUKAUNA, OUTAGAMIE COUNTY, WISCONSIN

RELOCATION ORDER STH 55 CITY OF KAUKAUNA (LAWE STREET-USH 41)

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

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 62.22, WISCONSIN STATUTES, THE CITY OF KAUKAUNA HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE CITY FOR THE ABOVE PROJECT AND SHALL BE AQUIRED IN THE NAME OF THE CITY OF KAUKAUNA, PURSUANT TO THE PROVISIONS OF SECTION 62.22, WISCONSIN STATUTES

2052082
Recorded
August 19, 2015 2:35 PM
OUTAGAMIE COUNTY
SARAH B VAN CAMP
REGISTER OF DEEDS
Fee Amount: $25.00
Total Pages: 1
Cabinet M Page 4

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 4650-08-21-4.05
SHEET 1 OF 1
AMENDMENT NO:---

SCHEDULE OF LANDS & INTERESTS REQUIRED							
PARCEL NUMBER	OWNER (S)	INTEREST REQUIRED	FEE R/W SQ. FT. REQUIRED			T.L.E. SQ FT	P.L.E. SQ FT
			NEW	EXISTING	TOTAL		
8	CITY OF KAUKAUNA	FEE & TLE	7,394	---	7,394	869	---
33	GUSTMANS FAMILY LTD PARTNERSHIP	FEE & TLE	978	---	978	10,022	---

NOTE: OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES AND ARE SUBJECT TO CHANGE PRIOR TO TRANSFER OF LAND INTERESTS TO THE CITY OF KAUKAUNA

R/W COURSE TABLE		
POINT-POINT	BEARING	DISTANCE
1214 - 500	N 40°23'34" W	4,267.78'
500 - 501	S 49°49'35" W	717.67'
501 - 502	SEE CURVE TABLE	---
502 - 503	N 05°43'49" E	34.56'
503 - 504	SEE CURVE TABLE	---
504 - 505	S 51°40'08" E	125.93'
505 - 506	S 53°20'30" E	18.40'
506 - 507	S 74°46'33" E	14.54'
507 - 508	SEE CURVE TABLE	---
508 - 509	S 20°52'30" W	173.76'
509 - 510	S 38°02'41" W	73.22'
510 - 511	SEE CURVE TABLE	---
511 - 512	SEE CURVE TABLE	---
512 - 513	N 39°35'23" W	93.13'
513 - 514	N 39°35'23" W	5.00'
514 - 515	N 52°55'25" E	117.62'
515 - 516	N 42°11'03" E	84.30'
516 - 517	N 17°06'33" E	136.11'
517 - 518	N 40°12'12" W	419.10'
518 - 501	N 49°49'35" E	85.23'

R/W POINT AND OFFSETS		
POINT	STATION	OFFSET
500	267+17.55	717.67'
501	267+17.55	---
502	264+16.60	---
503	264+35.59	29.00'
504	264+16.60	29.00'
505	262+90.67	29.00'
506	262+72.28	29.54'
507	262+58.91	35.24'
508	262+35.62	38.10'
509	1122+81.84	---
510	1122+08.62	---
511	1121+43.72	---
512	1119+25.13	---
513	1119+25.13	91.13'
514	1119+25.13	98.13'
515	1120+51.78	89.90'
516	1121+42.72	87.01'
517	263+21.79	136.71'
518	267+17.55	85.23'

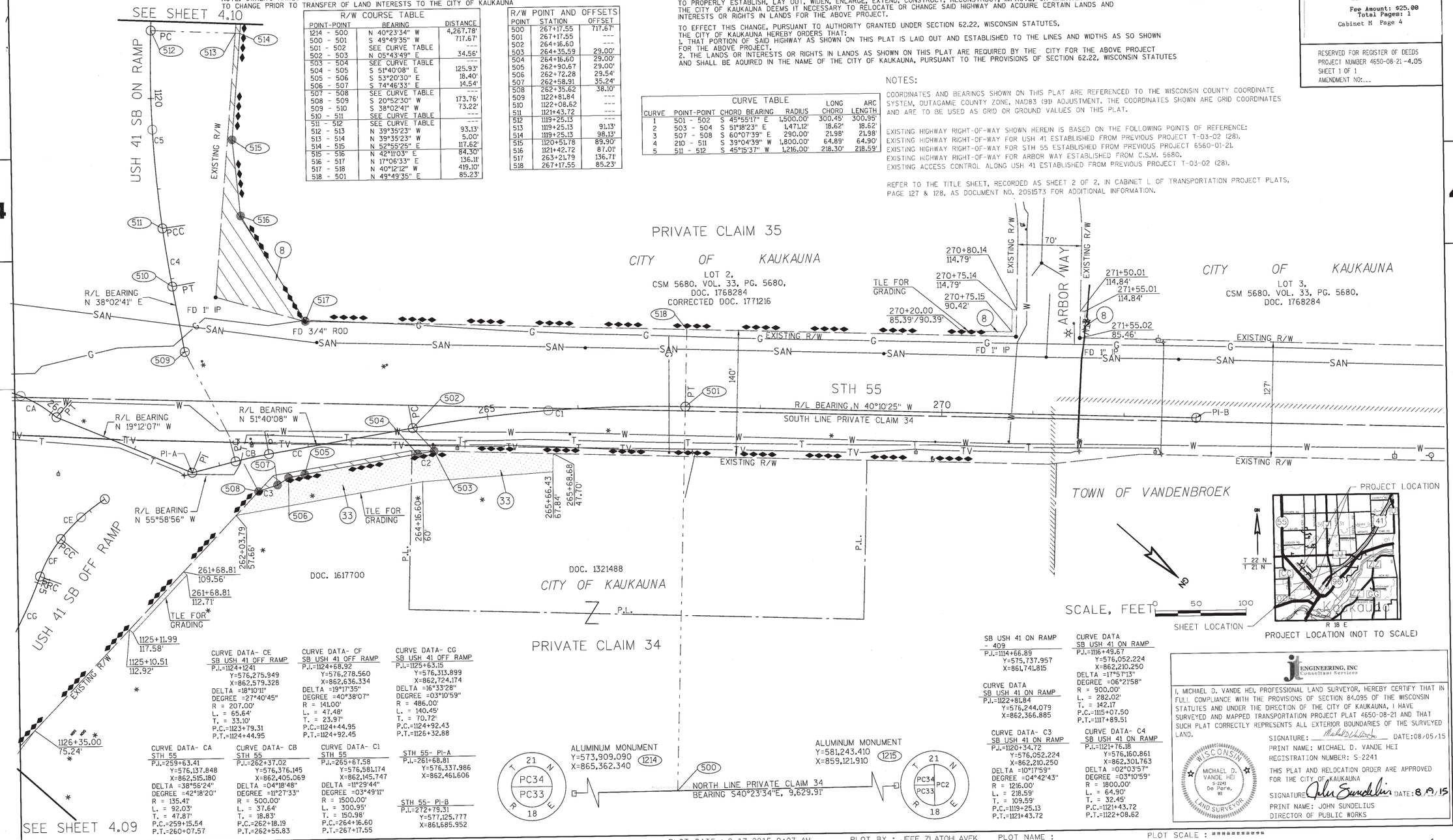
CURVE TABLE					
CURVE	POINT-POINT	CHORD BEARING	RADIUS	LONG CHORD	ARC LENGTH
1	501 - 502	S 45°55'17" E	1,500.00'	300.45'	300.95'
2	503 - 504	S 51°18'23" E	1,471.12'	18.62'	18.62'
3	507 - 508	S 60°07'39" E	290.00'	21.98'	21.98'
4	210 - 511	S 39°04'39" W	1,800.00'	64.89'	64.90'
5	511 - 512	S 45°15'37" W	1,216.00'	218.30'	218.59'

NOTES:

COORDINATES AND BEARINGS SHOWN ON THIS PLAT ARE REFERENCED TO THE WISCONSIN COUNTY COORDINATE SYSTEM, OUTAGAMIE COUNTY ZONE, NAD83 (91) ADJUSTMENT. THE COORDINATES SHOWN ARE GRID COORDINATES AND ARE TO BE USED AS GRID OR GROUND VALUES ON THIS PLAT.

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE:
EXISTING HIGHWAY RIGHT-OF-WAY FOR USH 41 ESTABLISHED FROM PREVIOUS PROJECT T-03-02 (28).
EXISTING HIGHWAY RIGHT-OF-WAY FOR STH 55 ESTABLISHED FROM PREVIOUS PROJECT 6560-01-21.
EXISTING HIGHWAY RIGHT-OF-WAY FOR ARBOR WAY ESTABLISHED FROM C.S.M. 5680.
EXISTING ACCESS CONTROL ALONG USH 41 ESTABLISHED FROM PREVIOUS PROJECT T-03-02 (28).

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2, IN CABINET L OF TRANSPORTATION PROJECT PLATS, PAGE 127 & 128, AS DOCUMENT NO. 2051573 FOR ADDITIONAL INFORMATION.



CURVE DATA- CE SB USH 41 OFF RAMP	
P.I.=1124+1241	
Y=576,275.949	
X=862,579.328	
DELTA =18°10'11"	
DEGREE =27°40'45"	
R = 207.00'	
L. = 65.64'	
T. = 33.10'	
P.C.=1123+79.31	
P.T.=1124+44.95	

CURVE DATA- CF SB USH 41 OFF RAMP	
P.I.=1124+68.92	
Y=576,278.560	
X=862,636.334	
DELTA =19°17'35"	
DEGREE =40°38'07"	
R = 141.00'	
L. = 47.48'	
T. = 23.97'	
P.C.=1124+44.95	
P.T.=1124+92.45	

CURVE DATA- CG SB USH 41 OFF RAMP	
P.I.=1125+63.15	
Y=576,313.899	
X=862,724.174	
DELTA =16°33'28"	
DEGREE =03°10'59"	
R = 486.00'	
L. = 140.45'	
T. = 70.72'	
P.C.=1124+92.43	
P.T.=1126+32.88	

CURVE DATA- CA STH 55	
P.I.=259+63.41	
Y=576,137.848	
X=862,515.180	
DELTA =38°56'24"	
DEGREE =42°18'20"	
R = 135.41'	
L. = 92.03'	
T. = 47.87'	
P.C.=259+15.54	
P.T.=260+07.57	

CURVE DATA- CB STH 55	
P.I.=262+37.02	
Y=576,376.145	
X=862,405.069	
DELTA =04°18'48"	
DEGREE =11°27'33"	
R = 500.00'	
L. = 37.64'	
T. = 18.83'	
P.C.=262+18.19	
P.T.=262+55.83	

CURVE DATA- C1 STH 55	
P.I.=265+67.58	
Y=576,581.174	
X=862,145.747	
DELTA =11°29'44"	
DEGREE =03°49'11"	
R = 1500.00'	
L. = 300.95'	
T. = 150.98'	
P.C.=264+16.60	
P.T.=267+17.55	

STH 55- PI-A	
P.I.=261+68.81	
Y=576,337.986	
X=862,461.606	

STH 55- PI-B	
P.I.=272+79.31	
Y=577,125.777	
X=861,685.952	

SB USH 41 ON RAMP - 409	
P.I.=1114+66.89	
Y=575,737.957	
X=861,741.815	

CURVE DATA SB USH 41 ON RAMP	
P.I.=1122+81.84	
Y=576,244.079	
X=862,366.885	

CURVE DATA- C3 SB USH 41 ON RAMP	
P.I.=1120+34.72	
Y=576,052.224	
X=862,210.250	
DELTA =10°17'59"	
DEGREE =04°42'43"	
R = 1216.00'	
L. = 218.59'	
T. = 109.59'	
P.C.=1119+25.13	
P.T.=1121+43.72	

CURVE DATA SB USH 41 ON RAMP	
P.I.=1116+49.67	
Y=576,052.224	
X=862,210.250	
DELTA =17°57'13"	
DEGREE =06°21'58"	
R = 900.00'	
L. = 282.02'	
T. = 142.17	
P.C.=1115+07.50	
P.T.=1117+89.51	

CURVE DATA- C4 SB USH 41 ON RAMP	
P.I.=1121+76.18	
Y=576,160.861	
X=862,301.763	
DELTA =02°03'57"	
DEGREE =03°10'59"	
R = 1800.00'	
L. = 64.90'	
T. = 32.45'	
P.C.=1121+43.72	
P.T.=1122+08.62	

JT ENGINEERING, INC Consultant Services

I, MICHAEL D. VANDE HEI, PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE CITY OF KAUKAUNA, I HAVE SURVEYED AND MAPPED TRANSPORTATION PROJECT PLAT 4650-08-21 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

SIGNATURE: _____ DATE:08/05/15
PRINT NAME: MICHAEL D. VANDE HEI
REGISTRATION NUMBER: S-2241

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE CITY OF KAUKAUNA

SIGNATURE: _____ DATE: 8/9/15
PRINT NAME: JOHN SUNDELIUS
DIRECTOR OF PUBLIC WORKS

WISCONSIN MICHAEL D. VANDE HEI S-2241 De Pere, WI LAND SURVEYOR

FILE NAME : X:\PROJECTS\OUTAGAMIE\4650-08-00 STH 55\DESIGN\C3D\SHEETSPLAN\TPP PLAT_V12 (2-7).DWG
APPRAISAL PLAT DATE : ----------
PLOT DATE : 8/17/2015 9:07 AM PLOT BY : JEFF ZLATOHLAVEK PLOT NAME : PLOT SCALE : ==========

TRANSPORTATION PROJECT PLAT NO: 4650-08-21- 4.05, AMENDMENT NO: 1

AMENDS SECTION CORNER COORDINATES, LEAD IN BEARING AND DISTANCE OF TPP 4650-08-21-4.05, RECORDED AS DOCUMENT 2052082.

THAT PART OF PRIVATE CLAIM 34; AND THAT PART OF LOTS 2 AND 3, CSM 5680, LOCATED IN PRIVATE CLAIM 35; CITY OF KAUKAUNA, OUTAGAMIE COUNTY, WISCONSIN

RELOCATION ORDER STH 55 CITY OF KAUKAUNA (LAWE STREET-USH 41)

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

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 62.22, WISCONSIN STATUTES, THE CITY OF KAUKAUNA HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE CITY FOR THE ABOVE PROJECT AND SHALL BE AQUIRED IN THE NAME OF THE CITY OF KAUKAUNA, PURSUANT TO THE PROVISIONS OF SECTION 62.22, WISCONSIN STATUTES

2111924
Recorded
August 15, 2017 12:18 PM
OUTAGAMIE COUNTY
SARAH E VAN CAMP
REGISTER OF DEEDS
Fee Amount: $25.00
Total Pages: 1
Cabinet M, Page 90

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 4650-08-21-4.05
SHEET 1 OF 1
AMENDMENT NO: 1

SCHEDULE OF LANDS & INTERESTS REQUIRED

PARCEL NUMBER	OWNER (S)	INTEREST REQUIRED	FEE R/W SQ. FT. REQUIRED NEW	EXISTING	TOTAL	T.L.E. SQ FT	P.L.E. SQ FT
8	CITY OF KAUKAUNA	FEE & TLE	7,394	---	7,394	869	---
33	GUSTMANS FAMILY LTD PARTNERSHIP	FEE & TLE	978	---	978	10,022	---

NOTE: OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES AND ARE SUBJECT TO CHANGE PRIOR TO TRANSFER OF LAND INTERESTS TO THE CITY OF KAUKAUNA

R/W COURSE TABLE

POINT-POINT	BEARING	DISTANCE
1214 - 500	N 40°23'29" W	4,267.43'
500 - 501	S 49°49'35" W	717.88'
501 - 502	SEE CURVE TABLE	---
502 - 503	N 05°43'49" E	34.56'
503 - 504	SEE CURVE TABLE	---
504 - 505	S 51°40'08" E	125.93'
505 - 506	S 53°20'30" E	18.40'
506 - 507	S 74°46'33" E	14.54'
507 - 508	SEE CURVE TABLE	---
508 - 509	S 20°52'30" W	173.76'
509 - 510	S 38°02'41" W	73.22'
510 - 511	SEE CURVE TABLE	---
511 - 512	SEE CURVE TABLE	---
512 - 513	N 39°35'23" W	93.13'
513 - 514	N 39°35'23" W	5.00'
514 - 515	N 52°55'26" E	117.62'
515 - 516	N 42°11'03" E	84.30'
516 - 517	N 17°06'33" E	136.11'
517 - 518	N 40°12'12" W	419.10'
518 - 501	N 49°49'35" E	85.23'

R/W POINT AND OFFSETS

POINT	STATION	OFFSET
500	267+17.55	717.88'
501	267+17.55	---
502	264+16.60	---
503	264+35.59	29.00'
504	264+16.60	29.00'
505	262+90.67	29.00'
506	262+72.28	29.54'
507	262+58.91	35.24'
508	262+35.62	38.10'
509	1122+81.84	---
510	1122+08.62	---
511	1121+43.72	---
512	1119+25.13	---
513	1119+25.13	91.13'
514	1119+25.13	96.13'
515	1120+51.78	89.90'
516	1121+42.72	87.01'
517	263+21.79	136.71'
518	267+17.55	85.23'

CURVE TABLE

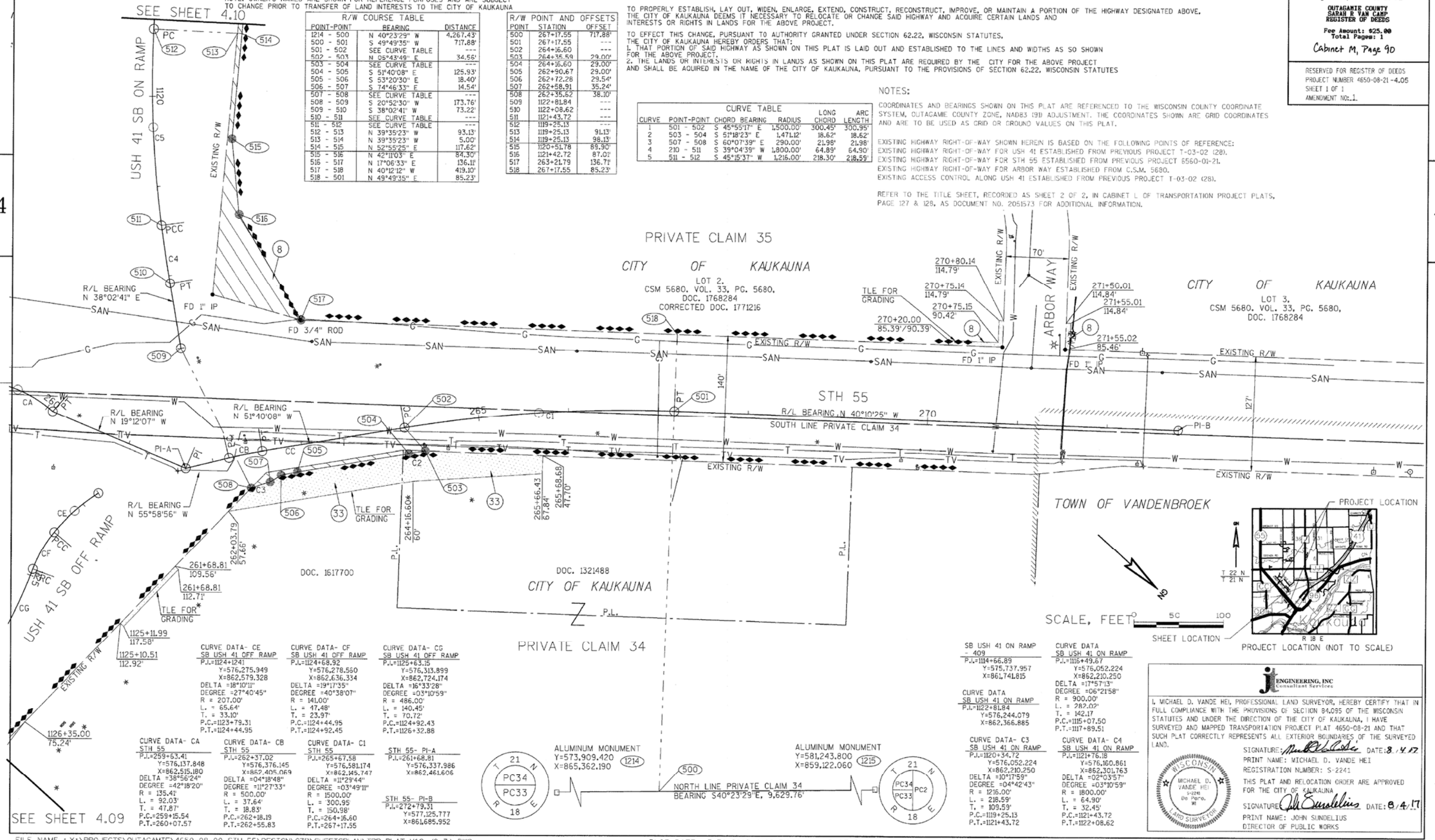
CURVE	POINT-POINT	CHORD BEARING	RADIUS	LONG CHORD	ARC LENGTH
1	501 - 502	S 45°55'17" E	1,500.00'	300.45'	300.95'
2	503 - 504	S 51°18'23" E	1,471.12'	18.62'	18.62'
3	507 - 508	S 60°07'39" E	290.00'	21.98'	21.98'
4	210 - 511	S 39°04'39" W	1,800.00'	64.89'	64.90'
5	511 - 512	S 45°15'37" W	1,216.00'	218.30'	218.59'

NOTES:

COORDINATES AND BEARINGS SHOWN ON THIS PLAT ARE REFERENCED TO THE WISCONSIN COUNTY COORDINATE SYSTEM, OUTAGAMIE COUNTY ZONE, NAD83 (91) ADJUSTMENT. THE COORDINATES SHOWN ARE GRID COORDINATES AND ARE TO BE USED AS GRID OR GROUND VALUES ON THIS PLAT.

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE:
EXISTING HIGHWAY RIGHT-OF-WAY FOR USH 41 ESTABLISHED FROM PREVIOUS PROJECT 1-03-02 (28).
EXISTING HIGHWAY RIGHT-OF-WAY FOR STH 55 ESTABLISHED FROM PREVIOUS PROJECT 5560-01-21.
EXISTING HIGHWAY RIGHT-OF-WAY FOR ARBOR WAY ESTABLISHED FROM C.S.M. 5680.
EXISTING ACCESS CONTROL ALONG USH 41 ESTABLISHED FROM PREVIOUS PROJECT 1-03-02 (28).

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2, IN CABINET L OF TRANSPORTATION PROJECT PLATS, PAGE 127 & 128, AS DOCUMENT NO. 2051573 FOR ADDITIONAL INFORMATION.



CURVE DATA- CE
SB USH 41 OFF RAMP
P.I.=1124+1241
Y=576,275.949
X=862,579.328
DELTA =18°10'11"
DEGREE =27°40'45"
R = 207.00'
L. = 65.64'
T. = 33.10'
P.C.=1123+79.31
P.T.=1124+44.95

CURVE DATA- CF
SB USH 41 OFF RAMP
P.I.=1124+68.92
Y=576,278.550
X=862,636.334
DELTA =19°17'35"
DEGREE =40°38'07"
R = 141.00'
L. = 47.48'
T. = 23.97'
P.C.=1124+44.95
P.T.=1124+92.45

CURVE DATA- CG
SB USH 41 OFF RAMP
P.I.=1125+63.15
Y=576,313.899
X=862,724.174
DELTA =16°33'28"
DEGREE =03°10'59"
R = 486.00'
L. = 140.45'
T. = 70.72'
P.C.=1124+92.43
P.T.=1126+32.88

CURVE DATA- CA
STH 55
P.I.=259+63.41
Y=576,137.848
X=862,515.180
DELTA =38°56'24"
DEGREE =42°18'20"
R = 135.41'
L. = 92.03'
T. = 47.87'
P.C.=259+15.54
P.T.=260+07.57

CURVE DATA- CB
STH 55
P.I.=262+37.02
Y=576,376.145
X=862,405.069
DELTA =04°18'48"
DEGREE =11°27'33"
R = 500.00'
L. = 37.64'
T. = 18.83'
P.C.=262+18.19
P.T.=262+55.83

CURVE DATA- C1
STH 55
P.I.=265+67.58
Y=576,581.174
X=862,145.747
DELTA =11°29'44"
DEGREE =03°49'11"
R = 1500.00'
L. = 300.95'
T. = 150.98'
P.C.=264+16.60
P.T.=267+17.55

STH 55- PI-A
P.I.=261+68.81
Y=576,337.986
X=862,461.606

STH 55- PI-B
P.I.=272+79.31
Y=577,125.777
X=861,685.952

SB USH 41 ON RAMP - 409
P.I.=1114+66.89
Y=575,737.957
X=861,741.815

CURVE DATA SB USH 41 ON RAMP
P.I.=1122+81.84
Y=576,244.079
X=862,366.885

CURVE DATA- C3 SB USH 41 ON RAMP
P.I.=1120+34.72
Y=576,052.224
X=862,210.250
DELTA =10°17'59"
DEGREE =04°42'43"
R = 1216.00'
L. = 218.59'
T. = 109.59'
P.C.=1119+25.13
P.T.=1121+43.72

CURVE DATA SB USH 41 ON RAMP
P.I.=1115+49.67
Y=576,052.224
X=862,210.250
DELTA =17°57'13"
DEGREE =06°21'58"
R = 900.00'
L. = 282.02'
T. = 142.17'
P.C.=1115+07.50
P.T.=1117+89.51

CURVE DATA- C4 SB USH 41 ON RAMP
P.I.=1121+76.18
Y=576,160.861
X=862,301.763
DELTA =02°03'57"
DEGREE =03°10'59"
R = 1800.00'
L. = 64.90'
T. = 32.45'
P.C.=1121+43.72
P.T.=1122+08.62

JE ENGINEERING, INC Consultant Services

I, MICHAEL D. VANDE HEI, PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE CITY OF KAUKAUNA, I HAVE SURVEYED AND MAPPED TRANSPORTATION PROJECT PLAT 4650-08-21 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

SIGNATURE: DATE: 8/4/17
PRINT NAME: MICHAEL D. VANDE HEI
REGISTRATION NUMBER: S-2241

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE CITY OF KAUKAUNA

SIGNATURE: DATE: 8/4/17
PRINT NAME: JOHN SUNDELIUS
DIRECTOR OF PUBLIC WORKS

FILE NAME : X:\PROJECTS\OUTAGAMIE\4650-08-00 STH 55\DESIGN\C3D\SHEETSPLAN\TPP PLAT_V12 (2-7).DWG
PLOT DATE : 7/31/2017 4:16 PM PLOT BY : JEFF ZLATOHLAVEK PLOT NAME : PLOT SCALE : ==========
APPRAISAL PLAT DATE : ----------

TRANSPORTATION PROJECT PLAT NO: 4650-08-21 - 4.06

THAT PART OF LOT 1, CSM 3651, LOCATED IN PRIVATE CLAIM 34; AND THAT PART OF HYLAND INDUSTRIAL CONDOMINIUM, LOCATED IN PRIVATE CLAIM 35; CITY OF KAUKAUNA, OUTAGAMIE COUNTY, WISCONSIN

RELOCATION ORDER STH 55 CITY OF KAUKAUNA (LAWE STREET-USH 41)

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

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 62.22, WISCONSIN STATUTES, THE CITY OF KAUKAUNA HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE CITY FOR THE ABOVE PROJECT AND SHALL BE AQUIRED IN THE NAME OF THE CITY OF KAUKAUNA, PURSUANT TO THE PROVISIONS OF SECTION 62.22, WISCONSIN STATUTES

SEE SHEET 4.03

NOTES:

COORDINATES AND BEARINGS SHOWN ON THIS PLAT ARE REFERENCED TO THE WISCONSIN COUNTY COORDINATE SYSTEM, OUTAGAMIE COUNTY ZONE, NAD83 (91) ADJUSTMENT. THE COORDINATES SHOWN ARE GRID COORDINATES AND ARE TO BE USED AS GRID OR GROUND VALUES ON THIS PLAT.

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE:
EXISTING HIGHWAY RIGHT-OF-WAY FOR STH 55 ESTABLISHED FROM PREVIOUS PROJECT 6560-01-21.
EXISTING HIGHWAY RIGHT-OF-WAY FOR CTH OO ESTABLISHED FROM C.S.M. 3651.

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2, IN CABINET L OF TRANSPORTATION PROJECT PLATS, PAGE 127 & 128, AS DOCUMENT NO. 2051573 FOR ADDITIONAL INFORMATION.

2052083
Recorded
August 19, 2015 2:35 PM
OUTAGAMIE COUNTY
SARAH R VAN CAMP
REGISTER OF DEEDS
Fee Amount: $25.00
Total Pages: 1
Cabinet M Page 5

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 4650-08-21-4.06
SHEET 1 OF 1
AMENDMENT NO:---

CURVE DATA- CA CTH OO EB	CURVE DATA- CB CTH OO EB	CURVE DATA- CC CTH OO EB	CURVE DATA- C5 CTH OO EB	CURVE DATA- C2 CTH OO EB
P.I.=14+10.57	P.I.=16+59.42	P.I.=18+05.56	P.I.=20+14.85	P.I.=23+81.72
Y=573,172.457	Y=573,262.428	Y=573,348.970	Y=573,440.229	Y=573,638.952
X=864,380.469	X=864,612.194	X=864,731.369	X=864,912.566	X=865,222.171
DELTA =04°08'59"	DELTA =14°46'01"	DELTA =35°48'32"	DELTA =23°55'34"	DELTA =08°24'43"
DEGREE =01°25'57"	DEGREE =07°09'43"	DEGREE =42°26'29"	DEGREE =34°43'29"	DEGREE =03°34'52"
R = 4000.00'	R = 800.00'	R = 135.00'	R = 165.00'	R = 1600.00'
L. = 289.70'	L. = 206.18'	L. = 84.37'	L. = 68.90'	L. = 234.90'
T. = 144.91'	T. = 103.67'	T. = 43.62'	T. = 34.96'	T. = 117.66'
P.C.=12+66.06	P.C.=15+55.76	P.C.=17+61.94	P.C.=19+79.89	P.C.=22+64.06
P.T.=15+55.76	P.T.=17+61.94	P.T.=18+46.31	P.T.=20+48.79	P.T.=24+98.96

CURVE DATA- C1 CTH OO EB	CURVE DATA CTH OO EB
P.I.=27+30.90	P.I.=29+61.87
Y=573,868.799	Y=574,046.848
X=865,485.588	X=865,634.221
DELTA =09°02'19"	
DEGREE =01°57'09"	
R = 2934.32'	
L. = 462.91'	
T. = 231.93'	
P.C.=24+98.96	
P.T.=29+61.87	

ALUMINUM MONUMENT
Y=581,243.410
X=859,121.910

ALUMINUM MONUMENT
Y=573,909.090
X=865,362.340
1214

ALUMINUM MONUMENT
Y=570,692.020
X=868125.690
1213

NORTH LINE PRIVATE CLAIM 34
BEARING S40°23'34"E, 9,629.91'

NORTH LINE PRIVATE CLAIM 34
BEARING S40°39'41"E, 4,240.95'

CITY OF KAUKAUNA

PRIVATE CLAIM 35

PRIVATE CLAIM 34

ASSESSORS PLAT
PRIVATE CLAIMS 35

LOT 1,
CSM 3651, VOL. 19, PG. 3651, DOC. 1352573
AFFIDAVIT OF CORRECTION DOC. 1360235

PRIVATE CLAIM 34
SOUTH LINE

DOC. 2680529

DOC. 1730317 AND 1775490
KAUKAUNA UTILITIES,
ELECTRIC EASEMENT
DOC. 1901124

DOC. 1730317
CORRECTED DOC. 1775490

HYLAND INDUSTRIAL
CONDOMIUM

WISCONSIN
CENTRAL LTD

WISCONSIN
CENTRAL LTD

KAUKAUNA

STH 55

CTH OO

R/L BEARING
N 64°37'52" E

R/L BEARING
N 40°08'26" W

R/L BEARING
N 62°22'37" E

R/L BEARING
N 32°13'20" W

R/L BEARING
N 57°18'19" E

R/L BEARING
N 40°07'51" W

227+35.00
60'

227+34.81
61.92'

226+78.44
78.65'

15+97.05
47.64'

16+09.17
57.20'

14+92.28
53.70'
14+92.57
58.70'

15+95.56
52.68'
16+06.38
61.20'

221+21.29
127.10'

220+55.33
87.21'

220+40.35
229.17'

21.73.41
81.30'

22+83.63
85.43'

22+84.60
65.46'

26+40.00
61.92'/66.65'

STA. 223+23.28 STH 55=
STA. 19+33.19 CTH 00

STA. 26+63.78

STA. 26+70.86
106.54' LT

TLE FOR
GRADING AND
DRIVEWAY
CONSTRUCTION

TLE FOR
GRADING

PLE FOR
RAILROAD
VISION

FD 3/4" ROD

SIGN

EXISTING R/W

PROJECT LOCATION

SCALE, FEET 0 50 100

SHEET LOCATION

R 18 E

T 22 N
T 21 N

(NOT TO SCALE)

SEE SHEET 4.02

R/W COURSE TABLE		
POINT-POINT	BEARING	DISTANCE
1214 - 600	S 40°39'41" E	106.77'
600 - 601	SEE CURVE TABLE	---
601 - 602	SEE CURVE TABLE	---
602 - 603	S 57°18'19" W	64.06'
603 - 604	N 32°41'41" W	56.92'
604 - 605	N 80°11'04" W	41.20'
605 - 606	S 54°28'56" W	109.73'
606 - 607	N 85°08'17" W	57.61'
607 - 608	N 55°33'24" W	117.91'
608 - 609	N 47°04'53" W	173.10'
609 - 610	N 62°12'17" W	26.98'
610 - 611	S 49°51'34" W	41.87'
611 - 612	S 40°08'26" E	66.09'
612 - 613	SEE CURVE TABLE	---
613 - 614	SEE CURVE TABLE	---
614 - 615	S 32°13'20" E	79.65'
615 - 616	N 62°22'37" E	46.70'
616 - 617	SEE CURVE TABLE	---
617 - 603	N 57°18'19" E	151.21'

R/W POINT AND OFFSETS		
POINT	STATION	OFFSET
600	26+63.78	---
601	24+98.96	---
602	22+64.06	---
603	22+00.00	---
604	22+00.00	56.92'
605	21+69.63	84.77'
606	20+60.00	80.00'
607	224+15.00	90.00'
608	225+50.00	70.00'
609	227+25.00	52.00'
610	227+50.00	41.87'
611	227+50.00	---
612	226+83.91	---
613	224+76.96	---
614	224+02.93	---
615	223+23.28	---
616	19+79.79	---
617	20+48.79	---

CURVE TABLE					
CURVE	POINT-POINT	CHORD BEARING	RADIUS	LONG CHORD	ARC LENGTH
1	600 - 601	S 47°17'03" W	2,934.32'	164.79'	164.82'
2	601 - 602	S 53°05'57" W	1,600.00'	234.69'	234.90'
3	612 - 613	S 42°07'01" E	3,000.00'	206.91'	206.95'
4	613 - 614	S 50°43'52" E	319.50'	73.87'	74.03'
5	616 - 617	N 45°20'32" E	165.00'	68.40'	68.90'

CURVE DATA- CD STH 55 NB	CURVE DATA- CE STH 55 NB	CURVE DATA- CF STH 55 NB	CURVE DATA- C4 STH 55 NB	CURVE DATA- C3 STH 55 NB
P.I.=220+10.10	P.I.=221+00.39	P.I.=222+26.14	P.I.=224+40.11	P.I.=225+80.48
Y=573,147.594	Y=573,212.178	Y=573,296.630	Y=573,476.820	Y=573,577.873
X=865,042.783	X=864,979.667	X=864,886.428	X=864,778.174	X=864,680.270
DELTA =04°12'39"	DELTA =03°29'21"	DELTA =39°27'19"	DELTA =13°16'34"	DELTA =03°57'09"
DEGREE =14°19'26"	DEGREE =02°18'30"	DEGREE =40°55'32"	DEGREE =17°55'59"	DEGREE =01°54'36"
R = 400.00'	R = 2482.00'	R = 140.00'	R = 319.50'	R = 3000.00'
L. = 29.40'	L. = 151.15'	L. = 96.41'	L. = 74.03'	L. = 206.96'
T. = 14.71'	T. = 75.60'	T. = 50.20'	T. = 37.18'	T. = 103.52'
P.C.=219+95.39	P.C.=220+24.79	P.C.=221+75.94	P.C.=224+02.93	P.C.=224+76.96
P.T.=220+24.79	P.T.=221+75.94	P.T.=222+72.34	P.T.=224+76.96	P.T.=226+83.91

STH 55 NB
P.I.=244+98.60
Y=575,056.068
X=863,458.900

NOTE: OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES AND ARE SUBJECT TO CHANGE PRIOR TO TRANSFER OF LAND INTERESTS TO THE CITY OF KAUKAUNA

SCHEDULE OF LANDS & INTERESTS REQUIRED

PARCEL NUMBER	OWNER (S)	INTEREST REQUIRED	FEE R/W NEW	FEE R/W EXISTING	SQ. FT. REQUIRED TOTAL	T.L.E. SQ FT	P.L.E. SQ FT
24	BASSETT KAUKAUNA, LLC.	FEE & TLE	14,614	---	14,614	4,129	---
36	FOUR FOURTEEN, LLC, WISCONSIN LIMITED LIABILITY COMPANY. VANWIN LEASING, LLP, WISCONSIN LIMITED LIABILITY PARTERSHIP WIC PROPERTIES, LLC FM PINKERTON, LLC, DELAWARE LIMITED LIABILITY COMPANY	PLE & TLE	---	---	---	606	4,720

SCHEDULE OF UTILITY INTEREST

UTILITY NUMBER	OWNER	INTEREST REQUIRED
103	CITY OF KAUKAUNA- ELECTRIC	RELEASE OF RIGHTS
105	WE ENERGIES- GAS	RELEASE OF RIGHTS

JT ENGINEERING, INC
Consultant Services

I, MICHAEL D. VANDE HEI, PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE CITY OF KAUKAUNA, I HAVE SURVEYED AND MAPPED TRANSPORTATION PROJECT PLAT 4650-08-21 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

SIGNATURE: _____ DATE: 08/05/15
PRINT NAME: MICHAEL D. VANDE HEI
REGISTRATION NUMBER: S-2241

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE CITY OF KAUKAUNA

SIGNATURE: _____ DATE: 8/19/15
PRINT NAME: JOHN SUNDELIUS
DIRECTOR OF PUBLIC WORKS

WISCONSIN MICHAEL D. VANDE HEI S-2241 De Pere, WI LAND SURVEYOR

FILE NAME : X:\PROJECTS\OUTAGAMIE\4650-08-00 STH 55\DESIGN\C3D\SHEETSPLAN\TPP PLAT_V12 (2-7).DWG
APPRAISAL PLAT DATE : ----------

PLOT DATE : 8/17/2015 9:45 AM PLOT BY : JEFF ZLATOHLAVEK PLOT NAME : PLOT SCALE : 1.000000

TRANSPORTATION PROJECT PLAT NO: 4650-08-21- 4.06, AMENDMENT NO: 1

AMENDS UTILITY NUMBER 103 OF TPP 4650-08-21-4.06, RECORDED AS DOCUMENT 2052083
THAT PART OF LOT 1, CSM 3651, LOCATED IN PRIVATE CLAIM 34; AND THAT PART OF HYLAND INDUSTRIAL CONDOMINIUM, LOCATED IN PRIVATE CLAIM 35; CITY OF KAUKAUNA, OUTAGAMIE COUNTY, WISCONSIN

RELOCATION ORDER STH 55 CITY OF KAUKAUNA (LAWE STREET-USH 41)

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

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 62.22, WISCONSIN STATUTES, THE CITY OF KAUKAUNA HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE CITY FOR THE ABOVE PROJECT AND SHALL BE AQUIRED IN THE NAME OF THE CITY OF KAUKAUNA, PURSUANT TO THE PROVISIONS OF SECTION 62.22, WISCONSIN STATUTES

NOTES:

COORDINATES AND BEARINGS SHOWN ON THIS PLAT ARE REFERENCED TO THE WISCONSIN COUNTY COORDINATE SYSTEM, OUTAGAMIE COUNTY ZONE, NAD83 (91) ADJUSTMENT. THE COORDINATES SHOWN ARE GRID COORDINATES AND ARE TO BE USED AS GRID OR GROUND VALUES ON THIS PLAT.

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE:
EXISTING HIGHWAY RIGHT-OF-WAY FOR STH 55 ESTABLISHED FROM PREVIOUS PROJECT 6560-01-21.
EXISTING HIGHWAY RIGHT-OF-WAY FOR CTH OO ESTABLISHED FROM C.S.M. 3651.

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2, IN CABINET L OF TRANSPORTATION PROJECT PLATS, PAGE 127 & 128, AS DOCUMENT NO. 2051573 FOR ADDITIONAL INFORMATION.

2079013
Recorded
July 25, 2016 2:55 PM
OUTAGAMIE COUNTY
SARAH R VAN CAMP
REGISTER OF DEEDS
Fee Amount: $25.00
Total Pages: 1
Cabinet N Page 19

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 4650-08-21-4.06
SHEET 1 OF 1
AMENDMENT NO:_1_

CURVE DATA- CA CTH OO EB	CURVE DATA- CB CTH OO EB	CURVE DATA- CC CTH OO EB	CURVE DATA- C5 CTH OO EB	CURVE DATA- C2 CTH OO EB
P.I.=14+10.97	P.I.=16+59.42	P.I.=18+05.56	P.I.=20+14.85	P.I.=23+81.72
Y=573,172.457	Y=573,262.428	Y=573,348.970	Y=573,440.229	Y=573,638.952
X=864,380.469	X=864,612.194	X=864,731.369	X=864,912.566	X=865,222.171
DELTA =04°08'59"	DELTA =14°46'01"	DELTA =35°48'32"	DELTA =23°55'34"	DELTA =08°24'43"
DEGREE =01°25'57"	DEGREE =07°09'43"	DEGREE =42°26'29"	DEGREE =34°43'29"	DEGREE =03°34'52"
R = 4000.00'	R = 800.00'	R = 135.00'	R = 165.00'	R = 1600.00'
L. = 289.70'	L. = 206.18'	L. = 84.37'	L. = 68.90'	L. = 234.90'
T. = 144.91'	T. = 103.67'	T. = 43.62'	T. = 34.96'	T. = 117.66'
P.C.=12+66.06	P.C.=15+55.76	P.C.=17+61.94	P.C.=19+79.89	P.C.=22+64.06
P.T.=15+55.76	P.T.=17+61.94	P.T.=18+46.31	P.T.=20+48.79	P.T.=24+98.96

SEE SHEET 4.03

227+35.00
60'

227+34.81
61.92'

84'

226+78.44
78.65'

R/L BEARING
N 40°08'26" W

STH 55

CITY OF KAUKAUNA

PRIVATE CLAIM 35

ASSESSORS PLAT
PRIVATE CLAIMS 35

DOC. 2680529

SIGN

EXISTING R/W

CTH 00

R/L BEARING
N 64°37'52" E

PRIVATE CLAIM 34
SOUTH LINE

FD 3/4" ROD

FD 3/4" ROD

PRIVATE CLAIM 34

LOT 1,
CSM 3651, VOL. 19, PG. 3651, DOC. 1352573
AFFIDAVIT OF CORRECTION DOC. 1360235

CURVE DATA- C1 CTH OO EB	CURVE DATA CTH OO EB
P.I.=27+30.90	P.I.=29+61.87
Y=573,868.799	Y=574,046.848
X=865,485.588	X=865,634.221
DELTA =09°02'19"	
DEGREE =01°57'09"	
R = 2934.32'	
L. = 462.91'	
T. = 231.93'	
P.C.=24+98.96	
P.T.=29+61.87	

ALUMINUM MONUMENT
Y=581,243.410
X=859,121.910

ALUMINUM MONUMENT
Y=573,909.090
X=865,362.340
1214

NORTH LINE PRIVATE CLAIM 34
BEARING S40°23'34"E, 9,629.91'

STA. 26+70.86
106.54' LT

26+40.00
61.92'/66.65'

21.73.41
81.30'

TLE FOR
GRADING AND
DRIVEWAY
CONSTRUCTION

22+83.63
85.43'

22+84.60
65.46'

97'

15+97.05
47.64'

16+09.17
57.20'

14+92.28
53.70'

14+92.57
58.70'

TLE FOR
GRADING

KAUKAUNA UTILITIES-
ELECTRIC EASEMENT
DOC. 1901124, 1901125

15+95.56
52.68'

16+06.38
61.20'

R/L BEARING
N 62°22'37" E

R/L BEARING
N 32°13'20" W

R/L BEARING
N 57°18'19" E

EXISTING R/W

CTH 00

STA. 223+23.28 STH 55=
STA. 19+33.19 CTH 00

VARIES

KAUKAUNA

HYLAND INDUSTRIAL
CONDOMIUM

221+21.29
127.10'

220+55.33
87.21'

220+40.35
229.17'

PLE FOR
RAILROAD
VISION

WISCONSIN
CENTRAL LTD

R/L BEARING
N 40°07'51" W

100'

NORTH LINE PRIVATE CLAIM 34
BEARING S40°39'41"E, 4,240.95'

ALUMINUM MONUMENT
Y=570,692.020
X=868125.690
1213

SEE SHEET 4.02

R/W COURSE TABLE		
POINT-POINT	BEARING	DISTANCE
1214 - 600	S 40°39'41" E	106.77'
600 - 601	SEE CURVE TABLE	---
601 - 602	SEE CURVE TABLE	---
602 - 603	S 57°18'19" W	64.06'
603 - 604	N 32°41'41" W	56.92'
604 - 605	N 80°11'04" W	41.20'
605 - 606	S 54°48'56" W	109.73'
606 - 607	N 85°08'17" W	57.61'
607 - 608	N 55°33'24" W	117.91'
608 - 609	N 47°04'53" W	173.10'
609 - 610	N 62°12'17" W	26.98'
610 - 611	S 49°51'34" W	41.87'
611 - 612	S 40°08'26" E	66.09'
612 - 613	SEE CURVE TABLE	---
613 - 614	SEE CURVE TABLE	---
614 - 615	S 32°13'20" E	79.65'
615 - 616	N 62°22'37" E	46.70'
616 - 617	SEE CURVE TABLE	---
617 - 603	N 57°18'19" E	151.21'

R/W POINT AND OFFSETS		
POINT	STATION	OFFSET
600	26+63.78	---
601	24+98.96	---
602	22+64.06	---
603	22+00.00	---
604	22+00.00	56.92'
605	21+69.63	84.77'
606	20+60.00	80.00'
607	224+15.00	90.00'
608	225+50.00	70.00'
609	227+25.00	52.00'
610	227+50.00	41.87'
611	227+50.00	---
612	226+83.91	---
613	224+76.96	---
614	224+02.93	---
615	223+23.28	---
616	19+79.79	---
617	20+48.79	---

CURVE TABLE					
CURVE	POINT-POINT	CHORD BEARING	RADIUS	LONG CHORD	ARC LENGTH
1	600 - 601	S 47°17'03" W	2,934.32'	164.79'	164.82'
2	601 - 602	S 53°05'57" W	1,600.00'	234.69'	234.90'
3	612 - 613	S 42°07'01" E	3,000.00'	206.91'	206.95'
4	613 - 614	S 50°43'52" E	319.50'	73.87'	74.03'
5	616 - 617	N 45°20'32" E	165.00'	68.40'	68.90'

CURVE DATA- CD STH 55 NB	CURVE DATA- CE STH 55 NB	CURVE DATA- CF STH 55 NB	CURVE DATA- C4 STH 55 NB	CURVE DATA- C3 STH 55 NB
P.I.=220+10.10	P.I.=221+00.39	P.I.=222+26.14	P.I.=224+40.11	P.I.=225+80.48
Y=573,147.594	Y=573,212.178	Y=573,296.630	Y=573,476.820	Y=573,577.873
X=865,042.783	X=864,979.667	X=864,886.428	X=864,778.174	X=864,680.270
DELTA =04°12'39"	DELTA =03°29'21"	DELTA =39°27'19"	DELTA =13°16'34"	DELTA =03°57'09"
DEGREE =14°19'26"	DEGREE =02°18'30"	DEGREE =40°55'32"	DEGREE =17°55'59"	DEGREE =01°54'36"
R = 400.00'	R = 2482.00'	R = 140.00'	R = 319.50'	R = 3000.00'
L. = 29.40'	L. = 151.15'	L. = 96.41'	L. = 74.03'	L. = 206.96'
T. = 14.71'	T. = 75.60'	T. = 50.20'	T. = 37.18'	T. = 103.52'
P.C.=219+95.39	P.C.=220+24.79	P.C.=221+75.94	P.C.=224+02.93	P.C.=224+76.95
P.T.=220+24.79	P.T.=221+75.94	P.T.=222+72.34	P.T.=224+76.96	P.T.=226+83.91

STH 55 NB
P.I.=244+98.60
Y=575,056.068
X=863,458.900

NOTE: OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES AND ARE SUBJECT TO CHANGE PRIOR TO TRANSFER OF LAND INTERESTS TO THE CITY OF KAUKAUNA

SCHEDULE OF LANDS & INTERESTS REQUIRED								
PARCEL NUMBER	OWNER (S)	INTEREST REQUIRED	FEE R/W SQ. FT. REQUIRED			T.L.E. SQ FT	P.L.E. SQ FT
			NEW	EXISTING	TOTAL		
24	BASSETT KAUKAUNA, LLC.	FEE & TLE	14,614	---	14,614	4,129	---
36	FOUR FOURTEEN, LLC, WISCONSIN LIMITED LIABILITY COMPANY. VANWIN LEASING, LLP, WISCONSIN LIMITED LIABILITY PARTERSHIP WIC PROPERTIES, LLC FM PINKERTON, LLC, DELAWARE LIMITED LIABILITY COMPANY	PLE & TLE	---	---	---	606	4,720

SCHEDULE OF UTILITY INTEREST		
UTILITY NUMBER	OWNER	INTEREST REQUIRED
103	KAUKAUNA UTILITIES- ELECTRIC	RELEASE OF RIGHTS
105	WE ENERGIES- GAS	RELEASE OF RIGHTS

SCALE, FEET 0 50 100

PROJECT LOCATION

SHEET LOCATION (NOT TO SCALE)

T 22 N
T 21 N
R 18 E

JT ENGINEERING, INC
Consultant Services

I, MICHAEL D. VANDE HEI, PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE CITY OF KAUKAUNA, I HAVE SURVEYED AND MAPPED TRANSPORTATION PROJECT PLAT 4650-08-21 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

SIGNATURE: _____ DATE: 07/20/16
PRINT NAME: MICHAEL D. VANDE HEI
REGISTRATION NUMBER: S-2241

WISCONSIN
MICHAEL D. VANDE HEI
S-2241
De Pere, WI
LAND SURVEYOR

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE CITY OF KAUKAUNA

SIGNATURE: _____ DATE: 07/25/16
PRINT NAME: JOHN SUNDELIUS
DIRECTOR OF PUBLIC WORKS

FILE NAME : X:\PROJECTS\OUTAGAMIE\4650-08-00 STH 55\DESIGN\C3D\SHEETSPLAN\TPP PLAT_V12 (2-7).DWG
APPRAISAL PLAT DATE : _____
PLOT DATE : 6/30/2016 3:00 PM
PLOT BY : JEFF ZLATOHLAVEK
PLOT NAME :
PLOT SCALE : **********

TRANSPORTATION PROJECT PLAT NO: 4650-08-21- 4.06, AMENDMENT NO: 2

AMENDS SECTION CORNER COORDINATES, LEAD IN BEARING AND DISTANCE, AND CURVE TABLE OF TPP 4650-08-21-4.06, AMENDMENT NO. 1, RECORDED AS DOCUMENT 2079013, AND TPP 4650-08-21-4.06, RECORDED AS DOCUMENT 2052083.

THAT PART OF LOT 1, CSM 3651, LOCATED IN PRIVATE CLAIM 34; AND THAT PART OF HYLAND INDUSTRIAL CONDOMINIUM, LOCATED IN PRIVATE CLAIM 35; CITY OF KAUKAUNA, OUTAGAMIE COUNTY, WISCONSIN

RELOCATION ORDER STH 55 CITY OF KAUKAUNA (LAWE STREET-USH 41)
TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE CITY OF KAUKAUNA DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 62.22, WISCONSIN STATUTES,
THE CITY OF KAUKAUNA HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE CITY FOR THE ABOVE PROJECT AND SHALL BE AQUIRED IN THE NAME OF THE CITY OF KAUKAUNA, PURSUANT TO THE PROVISIONS OF SECTION 62.22, WISCONSIN STATUTES

NOTES:

COORDINATES AND BEARINGS SHOWN ON THIS PLAT ARE REFERENCED TO THE WISCONSIN COUNTY COORDINATE SYSTEM, OUTAGAMIE COUNTY ZONE, NAD83 (91) ADJUSTMENT. THE COORDINATES SHOWN ARE GRID COORDINATES AND ARE TO BE USED AS GRID OR GROUND VALUES ON THIS PLAT.

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE:
EXISTING HIGHWAY RIGHT-OF-WAY FOR STH 55 ESTABLISHED FROM PREVIOUS PROJECT 6560-01-21.
EXISTING HIGHWAY RIGHT-OF-WAY FOR CTH OO ESTABLISHED FROM C.S.M. 3651.

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2, IN CABINET L OF TRANSPORTATION PROJECT PLATS, PAGE 127 & 128, AS DOCUMENT NO. 2051573 FOR ADDITIONAL INFORMATION.

2111925
Recorded
August 15, 2017 12:18 PM
OUTAGAMIE COUNTY
SARAH E VAN CAMP
REGISTER OF DEEDS
Fee Amount: $25.00
Total Pages: 1
Cabinet M, Page 89

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 4650-08-21-4.06
SHEET 1 OF 1
AMENDMENT NO: 2

SEE SHEET 4.03

CITY OF KAUKAUNA

PRIVATE CLAIM 35

ASSESSORS PLAT
PRIVATE CLAIMS 35

DOC. 2680529

PRIVATE CLAIM 34
SOUTH LINE

PRIVATE CLAIM 34

LOT 1,
CSM 3651, VOL. 19, PG. 3651, DOC. 1352573
AFFIDAVIT OF CORRECTION DOC. 1360235

CTH OO
R/L BEARING
N 64°37'52" E

STH 55
R/L BEARING
N 40°08'26" W

R/L BEARING
N 62°22'37" E

R/L BEARING
N 32°13'20" W

R/L BEARING
N 57°18'19" E

R/L BEARING
N 40°07'51" W

EXISTING R/W

SAN
CA
SS
W
G
FO
T

227+35.00
60'

227+34.81
61.92'

226+78.44
78.65'

15+97.05
47.64'

16+09.17
57.20'

14+92.28
53.70'
14+92.57
58.70'

15+95.56
52.68'
16+06.38
61.20'

221+21.29
127.10'

220+55.33
87.21'

220+40.35
229.17'

22+83.63
85.43'

22+84.60
65.46'

21.73.41
81.30'

26+40.00
61.92'/66.65'

STA. 26+70.98
106.88' LT

TLE FOR
GRADING AND
DRIVEWAY
CONSTRUCTION

TLE FOR
GRADING

PLE FOR
RAILROAD
VISION

KAUKAUNA UTILITIES-
ELECTRIC EASEMENT
DOC. 1901124, 1901125

STA. 223+23.28 STH 55=
STA. 19+33.19 CTH OO

STA. 26+63.88

HYLAND INDUSTRIAL
CONDOMIUM

WISCONSIN
CENTRAL LTD

KAUKAUNA

FD 3/4" ROD

SIGN

ALUMINUM MONUMENT
Y=581,243.800
X=859,122.060

ALUMINUM MONUMENT
Y=573,909.420
X=865,362.190
1214

ALUMINUM MONUMENT
Y=570,692.250
X=868125.640
1213

NORTH LINE PRIVATE CLAIM 34
BEARING S40°23'29"E, 9,629.76'

NORTH LINE PRIVATE CLAIM 34
BEARING S40°39'42"E, 4,241.08'

SEE SHEET 4.02

VARIES

100'

97'

R/W COURSE TABLE

POINT-POINT	BEARING	DISTANCE
1214 - 600	S 40°39'42" E	107.10'
600 - 601	SEE CURVE TABLE	---
601 - 602	SEE CURVE TABLE	---
602 - 603	S 57°18'19" W	64.06'
603 - 604	N 32°41'41" W	56.92'
604 - 605	N 80°11'04" W	41.20'
605 - 606	S 54°48'56" W	109.73'
606 - 607	N 85°08'17" W	57.61'
607 - 608	N 55°33'24" W	117.91'
608 - 609	N 47°04'53" W	173.10'
609 - 610	N 62°12'17" W	26.98'
610 - 611	S 49°51'34" W	41.87'
611 - 612	S 40°08'26" E	66.09'
612 - 613	SEE CURVE TABLE	---
613 - 614	SEE CURVE TABLE	---
614 - 615	S 32°13'20" E	79.65'
615 - 616	N 62°22'37" E	46.70'
616 - 617	SEE CURVE TABLE	---
617 - 603	N 57°18'19" E	151.21'

R/W POINT AND OFFSETS

POINT	STATION	OFFSET
600	26+63.88	---
601	24+98.96	---
602	22+64.06	---
603	22+00.00	---
604	22+00.00	56.92'
605	21+69.63	84.77'
606	20+60.00	80.00'
607	224+15.00	90.00'
608	225+50.00	70.00'
609	227+25.00	52.00'
610	227+50.00	41.87'
611	227+50.00	---
612	226+83.91	---
613	224+76.96	---
614	224+02.93	---
615	223+23.28	---
616	19+79.79	---
617	20+48.79	---

CURVE TABLE

CURVE	POINT-POINT	CHORD BEARING	RADIUS	LONG CHORD	ARC LENGTH
1	600 - 601	S 47°17'00" W	2,334.32'	164.89'	164.92'
2	601 - 602	S 53°05'57" W	1,600.00'	234.69'	234.90'
3	612 - 613	S 42°07'01" E	3,000.00'	206.91'	206.95'
4	613 - 614	S 50°43'52" E	319.50'	73.87'	74.03'
5	616 - 617	N 45°20'32" E	165.00'	68.40'	68.90'

CURVE DATA- CA
CTH OO EB
P.I.=14+10.97
Y=573,172.457
X=864,380.469
DELTA =04°08'59"
DEGREE =01°25'57"
R = 4000.00'
L. = 289.70'
T. = 144.91'
P.C.=12+66.06
P.T.=15+55.76

CURVE DATA- CB
CTH OO EB
P.I.=16+59.42
Y=573,262.428
X=864,612.194
DELTA =14°46'01"
DEGREE =07°09'43"
R = 800.00'
L. = 206.18'
T. = 103.67'
P.C.=15+55.76
P.T.=17+61.94

CURVE DATA- CC
CTH OO EB
P.I.=18+05.56
Y=573,348.970
X=864,731.369
DELTA =35°48'32"
DEGREE =42°26'29"
R = 135.00'
L. = 84.37'
T. = 43.62'
P.C.=17+61.94
P.T.=18+46.31

CURVE DATA- C5
CTH OO EB
P.I.=20+14.85
Y=573,440.229
X=864,912.566
DELTA =23°55'34"
DEGREE =34°43'29"
R = 165.00'
L. = 68.90'
T. = 34.96'
P.C.=19+79.89
P.T.=20+48.79

CURVE DATA- C2
CTH OO EB
P.I.=23+81.72
Y=573,638.952
X=865,222.171
DELTA =08°24'43"
DEGREE =03°34'52"
R = 1600.00'
L. = 234.90'
T. = 117.66'
P.C.=22+64.06
P.T.=24+98.96

CURVE DATA- C1
CTH OO EB
P.I.=27+30.90
Y=573,868.799
X=865,485.588
DELTA =09°02'19"
DEGREE =01°57'09"
R = 2934.32'
L. = 462.91'
T. = 231.93'
P.C.=24+98.96
P.T.=29+61.87

CURVE DATA
CTH OO EB
P.I.=29+61.87
Y=574,046.848
X=865,634.221

CURVE DATA- CD
STH 55 NB
P.I.=220+10.10
Y=573,147.594
X=865,042.783
DELTA =04°12'39"
DEGREE =14°19'26"
R = 400.00'
L. = 29.40'
T. = 14.71'
P.C.=219+95.39
P.T.=220+24.79

CURVE DATA- CE
STH 55 NB
P.I.=221+00.39
Y=573,212.178
X=864,979.667
DELTA =03°29'21"
DEGREE =02°18'30"
R = 2482.00'
L. = 151.15'
T. = 75.60'
P.C.=220+24.79
P.T.=221+75.94

CURVE DATA- CF
STH 55 NB
P.I.=222+26.14
Y=573,296.630
X=864,886.428
DELTA =39°27'19"
DEGREE =40°55'32"
R = 140.00'
L. = 96.41'
T. = 50.20'
P.C.=221+75.94
P.T.=222+72.34

CURVE DATA- C4
STH 55 NB
P.I.=224+40.11
Y=573,476.820
X=864,778.174
DELTA =13°16'34"
DEGREE =17°55'59"
R = 319.50'
L. = 74.03'
T. = 37.18'
P.C.=224+02.93
P.T.=224+76.96

CURVE DATA- C3
STH 55 NB
P.I.=225+80.48
Y=573,577.873
X=864,680.270
DELTA =03°57'09"
DEGREE =01°54'36"
R = 3000.00'
L. = 206.96'
T. = 103.52'
P.C.=224+76.96
P.T.=226+83.91

STH 55 NB
P.I.=244+98.60
Y=575,056.068
X=863,458.900

NOTE: OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES AND ARE SUBJECT TO CHANGE PRIOR TO TRANSFER OF LAND INTERESTS TO THE CITY OF KAUKAUNA

SCHEDULE OF LANDS & INTERESTS REQUIRED

PARCEL NUMBER	OWNER (S)	INTEREST REQUIRED	FEE R/W SQ. FT. REQUIRED NEW	EXISTING	TOTAL	T.L.E. SQ FT	P.L.E. SQ FT
24	BASSETT KAUKAUNA, LLC.	FEE & TLE	14,614	---	14,614	4,129	---
36	FOUR FOURTEEN, LLC, WISCONSIN LIMITED LIABILITY COMPANY. VANWIN LEASING, LLP, WISCONSIN LIMITED LIABILITY PARTERSHIP WIC PROPERTIES, LLC FM PINKERTON, LLC, DELAWARE LIMITED LIABILITY COMPANY	PLE & TLE	---	---	---	606	4,720

SCHEDULE OF UTILITY INTEREST

UTILITY NUMBER	OWNER	INTEREST REQUIRED
103	KAUKAUNA UTILITIES- ELECTRIC	RELEASE OF RIGHTS
105	WE ENERGIES- GAS	RELEASE OF RIGHTS

SCALE, FEET 0 50 100

SHEET LOCATION (NOT TO SCALE)

PROJECT LOCATION

T 22 N
T 21 N
R 18 E

JT ENGINEERING, INC
Consultant Services

I, MICHAEL D. VANDE HEI, PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE CITY OF KAUKAUNA, I HAVE SURVEYED AND MAPPED TRANSPORTATION PROJECT PLAT 4650-08-21 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

SIGNATURE: _____ DATE: 8/4/17
PRINT NAME: MICHAEL D. VANDE HEI
REGISTRATION NUMBER: S-2241

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE CITY OF KAUKAUNA

SIGNATURE: _____ DATE: 8/4/17
PRINT NAME: JOHN SUNDELIUS
DIRECTOR OF PUBLIC WORKS

FILE NAME : X:\PROJECTS\OUTAGAMIE\4650-08-00 STH 55\DESIGN\C3D\SHEETSPLAN\TPP PLAT_V12 (2-7).DWG
APPRAISAL PLAT DATE : _____

PLOT DATE : 7/31/2017 4:37 PM PLOT BY : JEFF ZLATOHLAVEK PLOT NAME : PLOT SCALE : 1" = 100'

TRANSPORTATION PROJECT PLAT NO: 4650-08-21 - 4.07

THAT PART OF LOT 1 AND LOT 2, CSM 2769, PART OF LOT 1, CSM 1281, AND PART OF LOT 1, CSM 323, ALL LOCATED IN PRIVATE CLAIM 34; CITY OF KAUKAUNA, OUTAGAMIE COUNTY, WISCONSIN.

RELOCATION ORDER STH 55 CITY OF KAUKAUNA (LAWE STREET-USH 41)

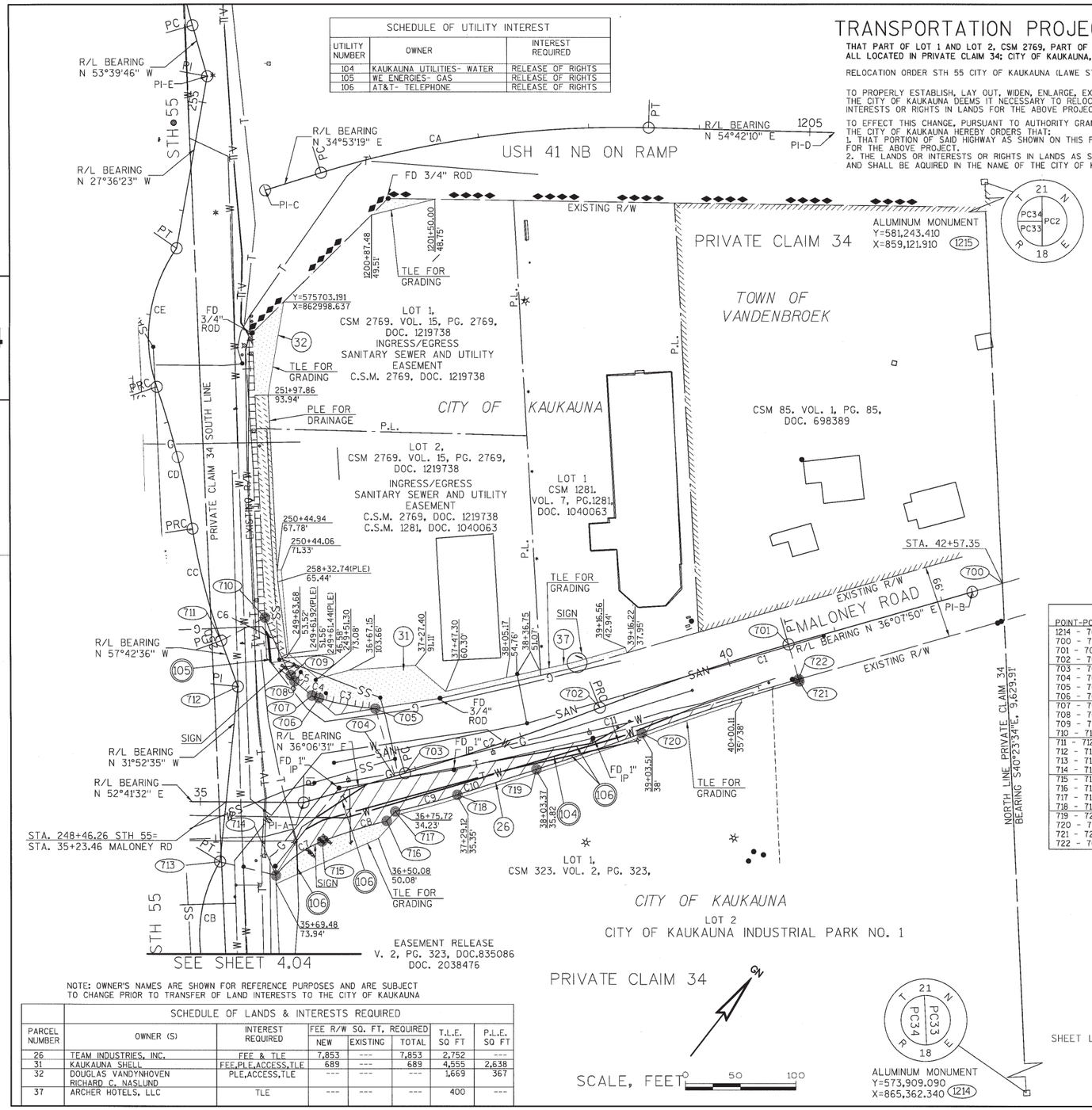
TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE CITY OF KAUKAUNA DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 62.22, WISCONSIN STATUTES, THE CITY OF KAUKAUNA HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE CITY FOR THE ABOVE PROJECT AND SHALL BE AQUIRED IN THE NAME OF THE CITY OF KAUKAUNA, PURSUANT TO THE PROVISIONS OF SECTION 62.22, WISCONSIN STATUTES

2052084
Recorded
August 19, 2015 2:35 PM
OUTAGAMIE COUNTY
SARAH R VAN CAMP
REGISTER OF DEEDS
Fee Amount: 25.00
Total Pages: 1
Cabinet M Page 6

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 4650-08-21-4.07
SHEET 1 OF 1
AMENDMENT NO:___

SCHEDULE OF UTILITY INTEREST		
UTILITY NUMBER	OWNER	INTEREST REQUIRED
104	KAUKAUNA UTILITIES- WATER	RELEASE OF RIGHTS
105	WE ENERGIES- GAS	RELEASE OF RIGHTS
106	AT&T- TELEPHONE	RELEASE OF RIGHTS



NOTES:

COORDINATES AND BEARINGS SHOWN ON THIS PLAT ARE REFERENCED TO THE WISCONSIN COUNTY COORDINATE SYSTEM, OUTAGAMIE COUNTY ZONE, NAD83 (91) ADJUSTMENT. THE COORDINATES SHOWN ARE GRID COORDINATES AND ARE TO BE USED AS GRID OR GROUND VALUES ON THIS PLAT.

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE:
EXISTING HIGHWAY RIGHT-OF-WAY FOR USH 41 ESTABLISHED FROM PREVIOUS PROJECT 1-03-02 (28).
EXISTING ACCESS CONTROL ALONG USH 41 ESTABLISHED FROM PREVIOUS PROJECT 1-03-02 (28).

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2, IN CABINET L OF TRANSPORTATION PROJECT PLATS, PAGE 127 & 128, AS DOCUMENT NO. 2051573 FOR ADDITIONAL INFORMATION.

PI-A
GERTRUDE/MALONEY
P.I.=35+93.90
Y=575,354.711
X=863,290.787

PI-B
GERTRUDE/MALONEY
P.I.=42+28.91
Y=575,876.860
X=863,651.679

CURVE DATA
GERTRUDE/MALONEY
P.I.=33+58.93
Y=575,231.111
X=863,089.157
DELTA =42°34'43"
DEGREE =38°11'50"
R = 150.00'
L. = 111.47'
T. = 58.45'
P.C.=33+00.48
P.T.=34+11.95

CURVE DATA- C2
GERTRUDE/MALONEY
P.I.=37+83.05
Y=575,507.523
X=863,402.255
DELTA =05°04'56"
DEGREE =02°43'42"
R = 2100.00'
L. = 186.27'
T. = 93.20'
P.C.=36+89.85
P.T.=38+76.12

CURVE DATA- C1
GERTRUDE/MALONEY
P.I.=39+66.33
Y=575,664.691
X=863,496.790
DELTA =05°06'15"
DEGREE =38°11'50"
R = 2024.00'
L. = 180.30'
T. = 90.21'
P.C.=38+76.12
P.T.=40+56.42

PI-C
NB USH 41 ON RAMP
P.I.=1200+00.00
Y=575,772.592
X=862,923.222

PI-D
NB USH 41 ON RAMP
P.I.=1205+68.74
Y=576,157.695
X=863,335.837

CURVE DATA- CA
NB USH 41 ON RAMP
P.I.=1202+05.02
Y=575,940.766
X=863,040.492
DELTA =18°48'52"
DEGREE =06°15'18"
R = 916.00'
L. = 300.79'
T. = 151.76'
P.C.=1200+53.26
P.T.=1203+54.05

CURVE DATA- CB
STH 55 NB
P.I.=247+37.85
Y=575,203.789
X=863,770.804
DELTA =51°18'02"
DEGREE =44°04'25"
R = 130.00'
L. = 116.40'
T. = 62.43'
P.C.=246+75.42
P.T.=247+91.82

CURVE DATA- CC
STH 55 NB
P.I.=250+48.37
Y=575,453.071
X=863,097.233
DELTA =11°22'23"
DEGREE =10°48'38"
R = 530.00'
L. = 105.20'
T. = 52.78'
P.C.=249+95.59
P.T.=251+00.80

CURVE DATA- CD
STH 55 NB
P.I.=251+67.33
Y=575,534.809
X=863,010.325
DELTA =09°30'31"
DEGREE =07°09'43"
R = 800.00'
L. = 132.76'
T. = 66.53'
P.C.=251+00.80
P.T.=252+33.56

CURVE DATA- CE
STH 55 NB
P.I.=253+04.76
Y=575,610.635
X=862,895.341
DELTA =53°54'48"
DEGREE =40°55'32"
R = 140.00'
L. = 131.74'
T. = 71.20'
P.C.=252+33.56
P.T.=253+65.29

712
STH 55 NB
P.I.=249+51.30
Y=575,401.217
X=863,179.289

PI-E
STH 55 NB
P.I.=255+24.02
Y=575,822.410
X=862,818.457

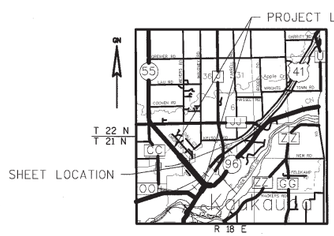
R/W COURSE TABLE		
POINT-POINT	BEARING	DISTANCE
1214 - 700	N 40°23'34" W	2,613.70'
700 - 701	S 36°07'50" W	200.93'
701 - 702	SEE CURVE TABLE	---
702 - 703	SEE CURVE TABLE	---
703 - 704	S 36°06'31" W	9.72'
704 - 705	N 53°53'45" W	63.73'
705 - 706	SEE CURVE TABLE	---
706 - 707	SEE CURVE TABLE	---
707 - 708	N 88°29'55" W	20.45'
708 - 709	SEE CURVE TABLE	---
709 - 710	SEE CURVE TABLE	---
710 - 711	S 24°25'43" W	44.78'
711 - 712	S 57°42'36" E	44.29'
712 - 713	S 31°52'35" E	159.48'
713 - 714	N 66°08'59" E	52.23'
714 - 715	SEE CURVE TABLE	---
715 - 716	SEE CURVE TABLE	---
716 - 717	N 04°23'09" E	11.49'
717 - 718	SEE CURVE TABLE	---
718 - 719	SEE CURVE TABLE	---
719 - 720	SEE CURVE TABLE	---
720 - 721	N 33°57'58" E	150.23'
721 - 722	N 53°52'10" W	2.00'
722 - 701	N 53°52'10" W	33.00'

R/W POINT AND OFFSETS		
POINT	STATION	OFFSET
700	42+57.35	---
701	40+56.42	---
702	38+76.12	---
703	36+89.85	---
704	36+80.13	---
705	36+80.13	63.73'
706	36+33.10	87.29'
707	36+28.17	91.05'
708	36+16.56	107.88'
709	36+14.73	114.11'
710	250+02.28	44.32'
711	249+95.59	---
712	249+51.30	---
713	247+91.82	---
714	30+69.10	66.35'
715	36+00.15	38.56'
716	36+61.72	37.00'
717	36+71.49	30.96'
718	37+29.09	32.35'
719	38+03.44	32.82'
720	39+03.51	35.00'
721	40+56.42	35.00'
722	40+56.42	33.00'

CURVE TABLE					
CURVE	POINT-POINT	CHORD BEARING	RADIUS	LONG CHORD	ARC LENGTH
1	701 - 702	S 33°34'42" W	2,204.00'	180.24'	180.30'
2	702 - 703	S 33°34'03" W	2,100.00'	186.21'	186.27'
3	705 - 706	S 62°43'18" W	232.50'	52.59'	52.71'
4	706 - 707	S 73°23'47" W	42.50'	6.20'	6.20'
5	707 - 708	N 70°11'36" W	42.50'	6.49'	6.50'
6	709 - 710	N 62°00'12" W	430.50'	57.20'	57.25'
7	714 - 715	N 15°57'55" E	100.50'	52.15'	52.75'
8	715 - 716	N 34°39'39" E	482.50'	61.58'	61.63'
9	717 - 718	N 37°06'22" E	613.50'	58.21'	58.23'
10	718 - 719	N 34°23'09" E	1,282,640.60'	75.50'	75.50'
11	719 - 720	N 33°05'38" E	2,237.90'	100.79'	100.80'

NOTE: OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES AND ARE SUBJECT TO CHANGE PRIOR TO TRANSFER OF LAND INTERESTS TO THE CITY OF KAUKAUNA

SCHEDULE OF LANDS & INTERESTS REQUIRED							
PARCEL NUMBER	OWNER (S)	INTEREST REQUIRED	FEE R/W SQ. FT. REQUIRED			T.L.E. SQ FT	P.L.E. SQ FT
			NEW	EXISTING	TOTAL		
26	TEAM INDUSTRIES, INC.	FEE & TLE	7,853	---	7,853	2,752	---
31	KAUKAUNA SHELL	FEE,PLE,ACCESS,TLE	689	---	689	4,555	2,638
32	DOUGLAS VANDYNHOVEN RICHARD C. NASLUND	PLE,ACCESS,TLE	---	---	---	1,669	367
37	ARCHER HOTELS, LLC	TLE	---	---	---	400	---



JT ENGINEERING, INC Consultant Services

I, MICHAEL D. VANDE HEI, PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE CITY OF KAUKAUNA, I HAVE SURVEYED AND MAPPED TRANSPORTATION PROJECT PLAT 4650-08-21 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

SIGNATURE: _____ DATE:08/05/15
PRINT NAME: MICHAEL D. VANDE HEI
REGISTRATION NUMBER: S-2241

WISCONSIN MICHAEL D. VANDE HEI S-2241 Do Here. WI LAND SURVEYOR

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE CITY OF KAUKAUNA

SIGNATURE: _____ DATE: 8/19/15
PRINT NAME: JOHN SUNDELIUS
DIRECTOR OF PUBLIC WORKS

FILE NAME : X:\PROJECTS\OUTAGAMIE\4650-08-00 STH 55\DESIGN\C3D\SHEETSPLAN\TPP PLAT_V12 (2-7).DWG
PLOT DATE : 8/17/2015 10:28 AM PLOT BY : JEFF ZLATOHLAVEK PLOT NAME : PLOT SCALE : **********
APPRAISAL PLAT DATE : _____

4.---

TRANSPORTATION PROJECT PLAT NO: 4650-08-21- 4.07, AMENDMENT NO: 1

AMENDS UTILITY NUMBER 106, AND ADDS UTILITY NUMBER 102 OF TPP 4650-08-21-4.07, RECORED AS DOCUMENT 2052084

THAT PART OF LOT 1 AND LOT 2, CSM 2769, PART OF LOT 1, CSM 1281, AND PART OF LOT 1, CSM 323, ALL LOCATED IN PRIVATE CLAIM 34; CITY OF KAUKAUNA, OUTAGAMIE COUNTY, WISCONSIN.

RELOCATION ORDER STH 55 CITY OF KAUKAUNA (LAWE STREET-USH 41)

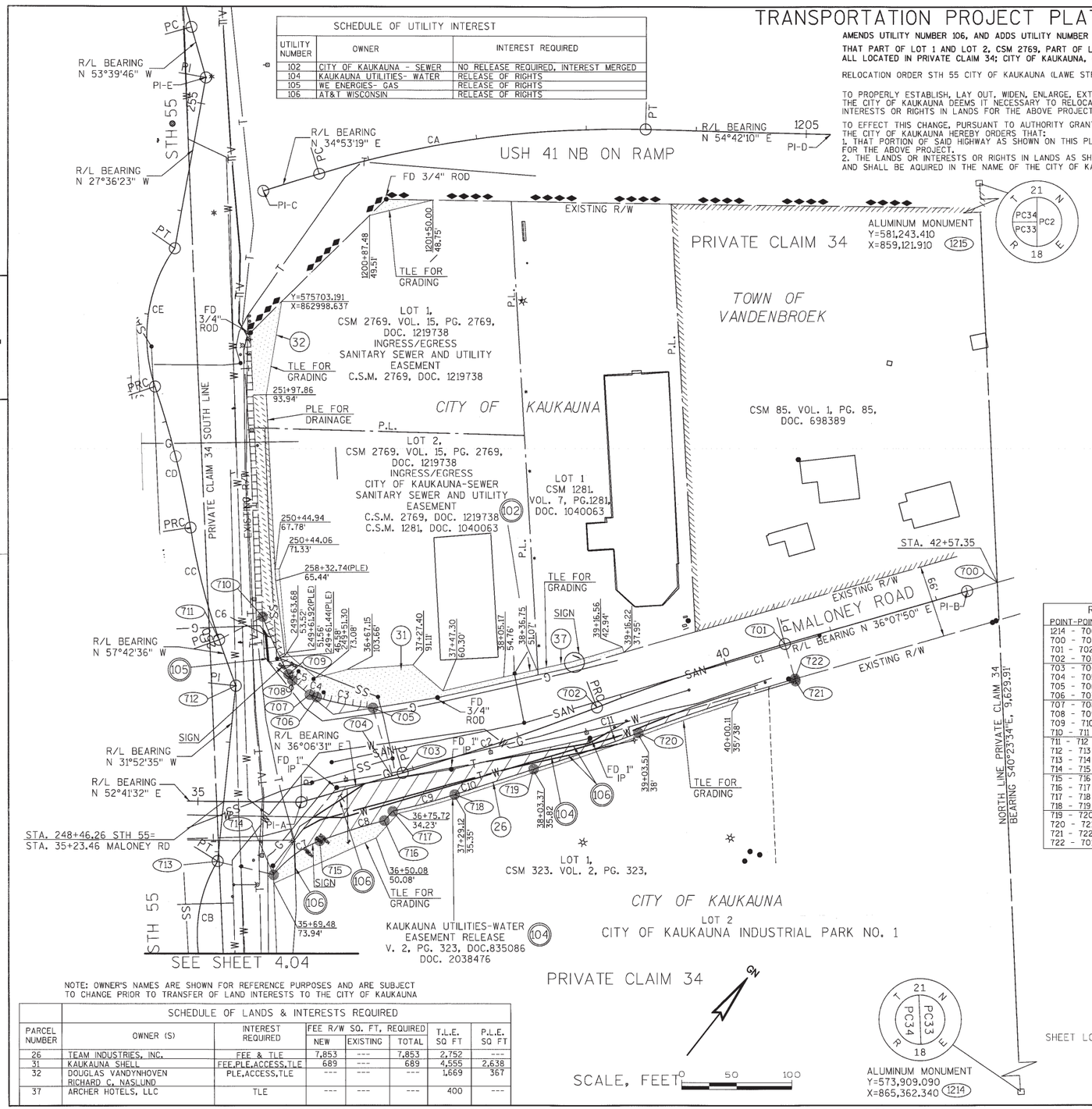
TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE CITY OF KAUKAUNA DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 62.22, WISCONSIN STATUTES, THE CITY OF KAUKAUNA HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE CITY FOR THE ABOVE PROJECT AND SHALL BE AQUIRED IN THE NAME OF THE CITY OF KAUKAUNA, PURSUANT TO THE PROVISIONS OF SECTION 62.22, WISCONSIN STATUTES

2079014
Recorded
July 25, 2016 2:55 PM
OUTAGAMIE COUNTY
SARAH R VAN CAMP
REGISTER OF DEEDS
Fee Amount: $25.00
Total Pages: 1
Cabinet H Page 20

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 4650-08-21-4.07
SHEET 1 OF 1
AMENDMENT NO: 1

SCHEDULE OF UTILITY INTEREST		
UTILITY NUMBER	OWNER	INTEREST REQUIRED
102	CITY OF KAUKAUNA - SEWER	NO RELEASE REQUIRED, INTEREST MERGED
104	KAUKAUNA UTILITIES- WATER	RELEASE OF RIGHTS
105	WE ENERGIES- GAS	RELEASE OF RIGHTS
106	AT&T WISCONSIN	RELEASE OF RIGHTS



NOTES:

COORDINATES AND BEARINGS SHOWN ON THIS PLAT ARE REFERENCED TO THE WISCONSIN COUNTY COORDINATE SYSTEM, OUTAGAMIE COUNTY ZONE, NAD83 (91) ADJUSTMENT. THE COORDINATES SHOWN ARE GRID COORDINATES AND ARE TO BE USED AS GRID OR GROUND VALUES ON THIS PLAT.

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE: EXISTING HIGHWAY RIGHT-OF-WAY FOR USH 41 ESTABLISHED FROM PREVIOUS PROJECT T-03-02 (28). EXISTING ACCESS CONTROL ALONG USH 41 ESTABLISHED FROM PREVIOUS PROJECT T-03-02 (28).

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2, IN CABINET L OF TRANSPORTATION PROJECT PLATS, PAGE 127 & 128, AS DOCUMENT NO. 2051573 FOR ADDITIONAL INFORMATION.

PI-A
GERTRUDE/MALONEY
P.I.=35+93.90
Y=575,354.711
X=863,290.787

PI-B
GERTRUDE/MALONEY
P.I.=42+28.91
Y=575,876.860
X=863,651.679

CURVE DATA
GERTRUDE/MALONEY
P.I.=33+58.93
Y=575,231.111
X=863,089.157
DELTA =42°34'43"
DEGREE =38°11'50"
R = 150.00'
L. = 111.47'
T. = 58.45'
P.C.=33+00.48
P.T.=34+11.95

CURVE DATA- C2
GERTRUDE/MALONEY
P.I.=37+83.05
Y=575,507.523
X=863,402.255
DELTA =05°04'56"
DEGREE =02°43'42"
R = 2100.00'
L. = 186.27'
T. = 93.20'
P.C.=36+89.85
P.T.=38+76.12

CURVE DATA- C1
GERTRUDE/MALONEY
P.I.=39+66.33
Y=575,664.691
X=863,496.790
DELTA =05°06'15"
DEGREE =38°11'50"
R = 2024.00'
L. = 180.30'
T. = 90.21'
P.C.=38+76.12
P.T.=40+56.42

PI-C
NB USH 41 ON RAMP
P.I.=1200+00.00
Y=575,772.592
X=862,923.222

PI-D
NB USH 41 ON RAMP
P.I.=1205+68.74
Y=576,157.695
X=863,335.837

CURVE DATA- CA
NB USH 41 ON RAMP
P.I.=1202+05.02
Y=575,940.766
X=863,040.492
DELTA =18°48'52"
DEGREE =06°15'18"
R = 916.00'
L. = 300.79'
T. = 151.76'
P.C.=1200+53.26
P.T.=1203+54.05

CURVE DATA- CB
STH 55 NB
P.I.=247+37.85
Y=575,203.789
X=863,770.804
DELTA =51°18'02"
DEGREE =44°04'25"
R = 130.00'
L. = 116.40'
T. = 62.43'
P.C.=246+75.42
P.T.=247+91.82

CURVE DATA- CC
STH 55 NB
P.I.=250+48.37
Y=575,453.071
X=863,097.233
DELTA =11°22'23"
DEGREE =10°48'38"
R = 530.00'
L. = 105.20'
T. = 52.78'
P.C.=249+95.59
P.T.=251+00.80

CURVE DATA- CD
STH 55 NB
P.I.=251+67.33
Y=575,534.809
X=863,010.325
DELTA =09°30'31"
DEGREE =07°09'43"
R = 800.00'
L. = 132.76'
T. = 66.53'
P.C.=251+00.80
P.T.=252+33.56

CURVE DATA- CE
STH 55 NB
P.I.=253+04.76
Y=575,610.635
X=862,895.341
DELTA =53°54'48"
DEGREE =40°55'32"
R = 140.00'
L. = 131.74'
T. = 71.20'
P.C.=252+33.56
P.T.=253+65.29

712
STH 55 NB
P.I.=249+51.30
Y=575,401.217
X=863,179.289

PI-E
STH 55 NB
P.I.=255+24.02
Y=575,822.410
X=862,818.457

R/W COURSE TABLE		
POINT-POINT	BEARING	DISTANCE
1214 - 700	N 40°23'34" W	2,613.70'
700 - 701	S 36°07'50" W	200.93'
701 - 702	SEE CURVE TABLE	---
702 - 703	SEE CURVE TABLE	---
703 - 704	S 36°06'31" W	9.72'
704 - 705	N 53°53'45" W	63.73'
705 - 706	SEE CURVE TABLE	---
706 - 707	SEE CURVE TABLE	---
707 - 708	N 88°29'55" W	20.45'
708 - 709	SEE CURVE TABLE	---
709 - 710	SEE CURVE TABLE	---
710 - 711	S 24°25'43" W	44.78'
711 - 712	S 57°42'36" E	44.29'
712 - 713	S 31°52'35" E	159.48'
713 - 714	N 66°08'59" E	52.23'
714 - 715	SEE CURVE TABLE	---
715 - 716	SEE CURVE TABLE	---
716 - 717	N 04°23'09" E	11.49'
717 - 718	SEE CURVE TABLE	---
718 - 719	SEE CURVE TABLE	---
719 - 720	SEE CURVE TABLE	---
720 - 721	N 33°57'58" E	150.23'
721 - 722	N 53°52'10" W	2.00'
722 - 701	N 53°52'10" W	33.00'

R/W POINT AND OFFSETS		
POINT	STATION	OFFSET
700	42+57.35	---
701	40+56.42	---
702	38+76.12	---
703	36+89.85	---
704	36+80.13	---
705	36+80.13	63.73'
706	36+33.10	87.29'
707	36+28.17	91.05'
708	36+16.56	107.88'
709	36+14.73	114.11'
710	250+02.28	44.32'
711	249+95.59	---
712	249+51.30	---
713	247+91.82	---
714	30+69.10	66.35'
715	36+00.15	38.56'
716	36+61.72	37.00'
717	36+71.49	30.96'
718	37+29.09	32.35'
719	38+03.44	32.82'
720	39+03.51	35.00'
721	40+56.42	35.00'
722	40+56.42	33.00'

CURVE TABLE					
CURVE	POINT-POINT	CHORD BEARING	RADIUS	LONG CHORD	ARC LENGTH
1	701 - 702	S 33°34'42" W	2,204.00'	180.24'	180.30'
2	702 - 703	S 33°34'03" W	2,100.00'	186.21'	186.27'
3	705 - 706	S 62°43'18" W	232.50'	52.59'	52.71'
4	706 - 707	S 73°23'47" W	42.50'	6.20'	6.20'
5	707 - 708	N 70°11'36" W	42.50'	6.49'	6.50'
6	709 - 710	N 62°00'12" W	430.50'	57.20'	57.25'
7	714 - 715	N 15°57'55" E	100.50'	52.15'	52.75'
8	715 - 716	N 34°39'39" E	482.50'	61.58'	61.63'
9	717 - 718	N 37°06'22" E	613.60'	58.21'	58.23'
10	718 - 719	N 34°23'09" E	1,282,640.60'	75.50'	75.50'
11	719 - 720	N 33°05'38" E	2,237.90'	100.79'	100.80'

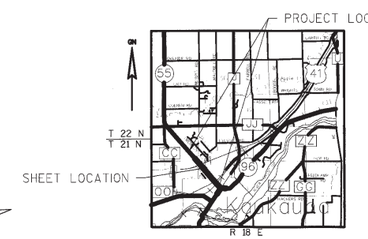
NOTE: OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES AND ARE SUBJECT TO CHANGE PRIOR TO TRANSFER OF LAND INTERESTS TO THE CITY OF KAUKAUNA

SCHEDULE OF LANDS & INTERESTS REQUIRED							
PARCEL NUMBER	OWNER (S)	INTEREST REQUIRED	FEE R/W SQ. FT, REQUIRED			T.L.E. SQ FT	P.L.E. SQ FT
			NEW	EXISTING	TOTAL		
26	TEAM INDUSTRIES, INC.	FEE & TLE	7,853	---	7,853	2,752	---
31	KAUKAUNA SHELL	FEE,PLE,ACCESS,TLE	689	---	689	4,555	2,638
32	DOUGLAS VANDYNHOVEN RICHARD C, NASLUND	PLE,ACCESS,TLE	---	---	---	1,669	367
37	ARCHER HOTELS, LLC	TLE	---	---	---	400	---

PRIVATE CLAIM 34

SCALE, FEET 0 50 100

ALUMINUM MONUMENT Y=573,909.090 X=865,362.340 1214



PROJECT LOCATION (NOT TO SCALE)

JJ ENGINEERING, INC Consultant Services

I, MICHAEL D. VANDE HEI, PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE CITY OF KAUKAUNA, I HAVE SURVEYED AND MAPPED TRANSPORTATION PROJECT PLAT 4650-08-21 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

SIGNATURE: _____ DATE: 07/20/16
PRINT NAME: MICHAEL D. VANDE HEI
REGISTRATION NUMBER: S-2241

WISCONSIN MICHAEL D. VANDE HEI S-2241 De Pere, WI LAND SURVEYOR

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE CITY OF KAUKAUNA

SIGNATURE: _____ DATE: 07/25/16
PRINT NAME: JOHN SUNDELIUS
DIRECTOR OF PUBLIC WORKS

FILE NAME : X:\PROJECTS\OUTAGAMIE\4650-08-00 STH 55\DESIGN\C3D\SHEETSPLAN\TPP PLAT_V12 (2-7).DWG
PLOT DATE : 6/30/2016 3:00 PM PLOT BY : JEFF ZLATOHLAVEK PLOT NAME : PLOT SCALE : **********
APPRAISAL PLAT DATE : ----------

TRANSPORTATION PROJECT PLAT NO: 4650-08-21- 4.07, AMENDMENT NO: 2

AMENDS SECTION CORNER COORDINATES, LEAD IN BEARING AND DISTANCE OF TPP 4650-08-21-4.07, AMENDMENT NO. 1, RECORDED AS DOCUMENT 2079014, AND TPP 4650-08-21-4.07, RECORDED AS DOCUMENT 2052084.

THAT PART OF LOT 1 AND LOT 2, CSM 2769, PART OF LOT 1, CSM 1281, AND PART OF LOT 1, CSM 323, ALL LOCATED IN PRIVATE CLAIM 34; CITY OF KAUKAUNA, OUTAGAMIE COUNTY, WISCONSIN.

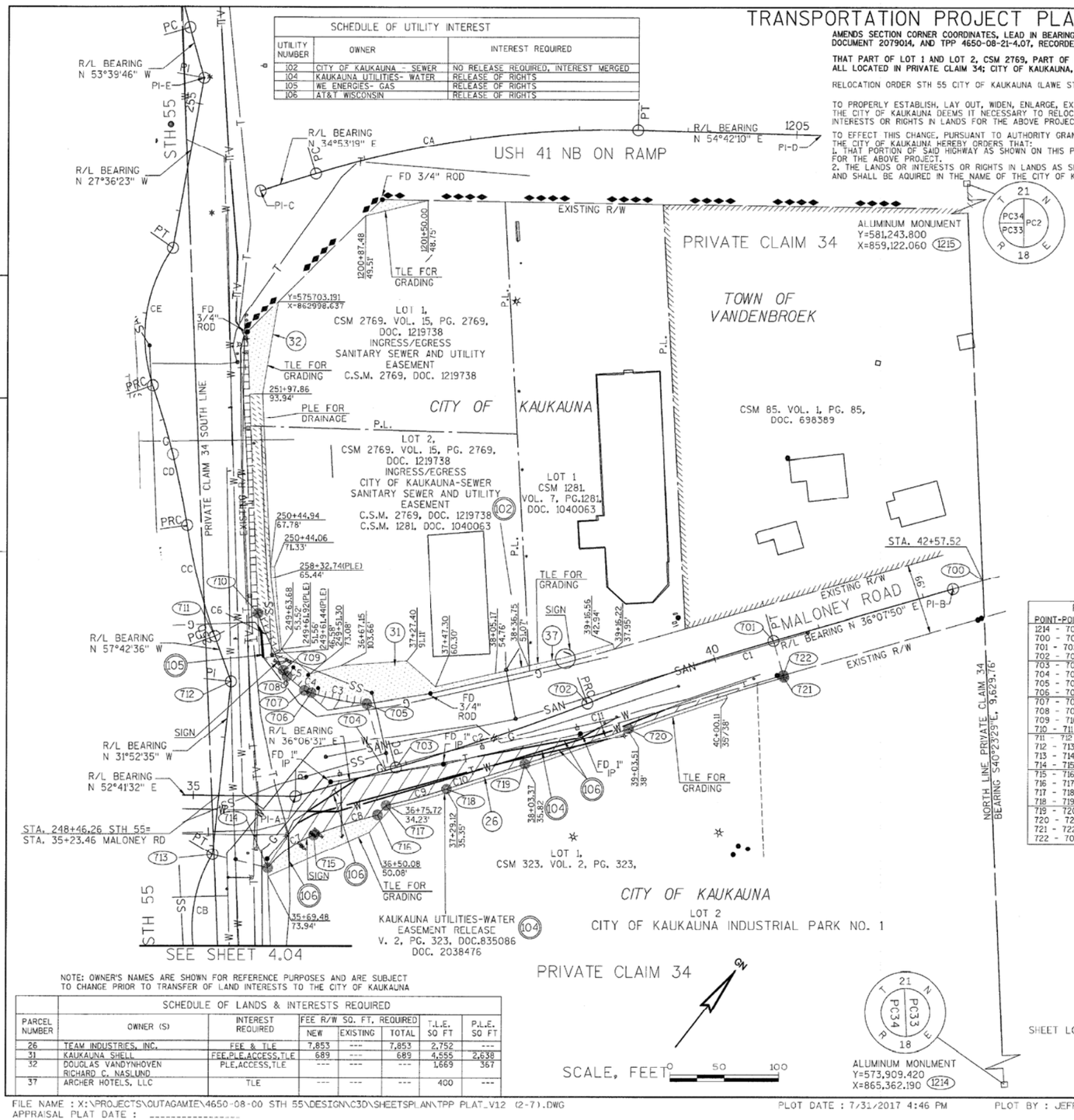
RELOCATION ORDER STH 55 CITY OF KAUKAUNA (LAWE STREET-USH 41)

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

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 62.22, WISCONSIN STATUTES, THE CITY OF KAUKAUNA HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE CITY FOR THE ABOVE PROJECT AND SHALL BE AQUIRED IN THE NAME OF THE CITY OF KAUKAUNA, PURSUANT TO THE PROVISIONS OF SECTION 62.22, WISCONSIN STATUTES

2111926
Recorded
August 15, 2017 12:18 PM
OUTAGAMIE COUNTY
SARAH R VAN CAMP
REGISTER OF DEEDS
Fee Amount: $25.00
Total Pages: 1
Cabinet M, Page 88

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 4650-08-21-4.07
SHEET 1 OF 1
AMENDMENT No:. 2



NOTES:

COORDINATES AND BEARINGS SHOWN ON THIS PLAT ARE REFERENCED TO THE WISCONSIN COUNTY COORDINATE SYSTEM, OUTAGAMIE COUNTY ZONE, NAD83 (91) ADJUSTMENT. THE COORDINATES SHOWN ARE GRID COORDINATES AND ARE TO BE USED AS GRID OR GROUND VALUES ON THIS PLAT.

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE:
EXISTING HIGHWAY RIGHT-OF-WAY FOR USH 41 ESTABLISHED FROM PREVIOUS PROJECT 1-03-02 (28).
EXISTING ACCESS CONTROL ALONG USH 41 ESTABLISHED FROM PREVIOUS PROJECT 1-03-02 (28).

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2, IN CABINET L OF TRANSPORTATION PROJECT PLATS, PAGE 127 & 128, AS DOCUMENT NO. 2051573 FOR ADDITIONAL INFORMATION.

NOTE: OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES AND ARE SUBJECT TO CHANGE PRIOR TO TRANSFER OF LAND INTERESTS TO THE CITY OF KAUKAUNA

SCHEDULE OF LANDS & INTERESTS REQUIRED

PARCEL NUMBER	OWNER (S)	INTEREST REQUIRED	FEE R/W SQ. FT. REQUIRED NEW	EXISTING	TOTAL	T.L.E. SQ FT	P.L.E. SQ FT
26	TEAM INDUSTRIES, INC.	FEE & TLE	7,853	---	7,853	2,752	---
31	KAUKAUNA SHELL	FEE,PLE,ACCESS,TLE	689	---	689	4,555	2,638
32	DOUGLAS VANDYNHOVEN RICHARD C. NASLUND	PLE,ACCESS,TLE	---	---	---	1,669	367
37	ARCHER HOTELS, LLC	TLE	---	---	---	400	---

R/W COURSE TABLE

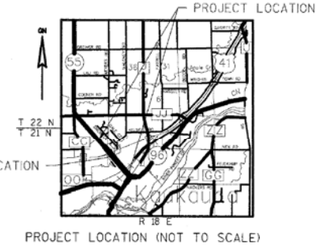
POINT-POINT	BEARING	DISTANCE
1214 - 700	N 40°23'29" W	2,613.39'
700 - 701	S 36°07'50" W	201.10'
701 - 702	SEE CURVE TABLE	---
702 - 703	SEE CURVE TABLE	---
703 - 704	S 36°06'31" W	9.72'
704 - 705	N 53°53'45" W	63.73'
705 - 706	SEE CURVE TABLE	---
706 - 707	SEE CURVE TABLE	---
707 - 708	N 88°29'55" W	20.45'
708 - 709	SEE CURVE TABLE	---
709 - 710	SEE CURVE TABLE	---
710 - 711	S 24°25'43" W	44.78'
711 - 712	S 57°42'36" E	44.29'
712 - 713	S 31°52'35" E	159.48'
713 - 714	N 66°08'59" E	52.23'
714 - 715	SEE CURVE TABLE	---
715 - 716	SEE CURVE TABLE	---
716 - 717	N 04°23'09" E	11.49'
717 - 718	SEE CURVE TABLE	---
718 - 719	SEE CURVE TABLE	---
719 - 720	SEE CURVE TABLE	---
720 - 721	N 33°57'58" E	150.23'
721 - 722	N 53°52'10" W	2.00'
722 - 701	N 53°52'10" W	33.00'

R/W POINT AND OFFSETS

POINT	STATION	OFFSET
700	42+57.52	---
701	40+56.42	---
702	38+76.12	---
703	36+89.85	---
704	36+80.13	---
705	36+80.13	63.73'
706	36+33.10	87.29'
707	36+28.17	91.05'
708	36+16.56	107.88'
709	36+14.73	114.11'
710	250+02.28	44.32'
711	249+95.59	---
712	249+51.30	---
713	247+91.82	---
714	30+69.10	66.35'
715	36+00.15	38.56'
716	36+61.72	37.00'
717	35+71.49	30.96'
718	37+29.09	32.35'
719	38+03.44	32.82'
720	39+03.51	35.00'
721	40+56.42	35.00'
722	40+56.42	33.00'

CURVE TABLE

CURVE	POINT-POINT	CHORD BEARING	RADIUS	LONG CHORD	ARC LENGTH
1	701 - 702	S 33°34'42" W	2,204.00'	180.24'	180.30'
2	702 - 703	S 33°34'03" W	2,100.00'	186.21'	186.27'
3	705 - 706	S 62°43'18" W	232.50'	52.59'	52.71'
4	706 - 707	S 73°23'47" W	42.50'	6.20'	6.20'
5	707 - 708	N 70°11'36" W	42.50'	6.49'	6.50'
6	709 - 710	N 62°00'12" W	430.50'	57.20'	57.25'
7	714 - 715	N 15°57'55" E	100.50'	52.15'	52.75'
8	715 - 716	N 34°39'39" E	482.50'	61.58'	61.63'
9	717 - 718	N 37°06'22" E	613.50'	58.21'	58.23'
10	718 - 719	N 34°23'09" E	1,282,640.60'	75.50'	75.50'
11	719 - 720	N 33°05'38" E	2,237.90'	100.79'	100.80'



PROJECT LOCATION (NOT TO SCALE)

JT ENGINEERING, INC Consultant Services

I, MICHAEL D. VANDE HEI, PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE CITY OF KAUKAUNA, I HAVE SURVEYED AND MAPPED TRANSPORTATION PROJECT PLAT 4650-08-21 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

SIGNATURE: DATE: 8/4/17
PRINT NAME: MICHAEL D. VANDE HEI
REGISTRATION NUMBER: S-2241

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE CITY OF KAUKAUNA

SIGNATURE: DATE: 8/4/17
PRINT NAME: JOHN SUNDELIUS
DIRECTOR OF PUBLIC WORKS

FILE NAME : X:\PROJECTS\OUTAGAMIE\4650-08-00 STH 55\DESIGN\C3D\SHEETSPLANS\TPP PLAT_V12 (2-7).DWG
PLOT DATE : 7/31/2017 4:46 PM
PLOT BY : JEFF ZLATOHLAVEK
PLOT NAME :
PLOT SCALE : ==========
APPRAISAL PLAT DATE : ----------

TRANSPORTATION PROJECT PLAT NO: 4650-08-21 - 4.08

THAT PART OF 1890 SUBDIVISION OF PRIVATE CLAIM 35, AND PART OF 1858 ASSESSORS PLAT OF CITY OF KAUKAUNA, ALL LOCATED IN PRIVATE CLAIM 35; CITY OF KAUKAUNA, OUTAGAMIE COUNTY, WISCONSIN.

RELOCATION ORDER STH 55 CITY OF KAUKAUNA (LAWE STREET-USH 41)

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

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 62.22, WISCONSIN STATUTES, THE CITY OF KAUKAUNA HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE CITY FOR THE ABOVE PROJECT AND SHALL BE AQUIRED IN THE NAME OF THE CITY OF KAUKAUNA, PURSUANT TO THE PROVISIONS OF SECTION 62.22, WISCONSIN STATUTES

NOTES:

COORDINATES AND BEARINGS SHOWN ON THIS PLAT ARE REFERENCED TO THE WISCONSIN COUNTY COORDINATE SYSTEM, OUTAGAMIE COUNTY ZONE, NAD83 (91) ADJUSTMENT. THE COORDINATES SHOWN ARE GRID COORDINATES AND ARE TO BE USED AS GRID OR GROUND VALUES ON THIS PLAT.

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE:
EXISTING HIGHWAY RIGHT-OF-WAY FOR USH 41 ESTABLISHED FROM PREVIOUS PROJECT 1-03-02 (28).
EXISTING ACCESS CONTROL ALONG USH 41 ESTABLISHED FROM PREVIOUS PROJECT 1-03-02 (28).

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2, IN CABINET L OF TRANSPORTATION PROJECT PLATS, PAGE 127 & 128, AS DOCUMENT NO. 2051573 FOR ADDITIONAL INFORMATION.

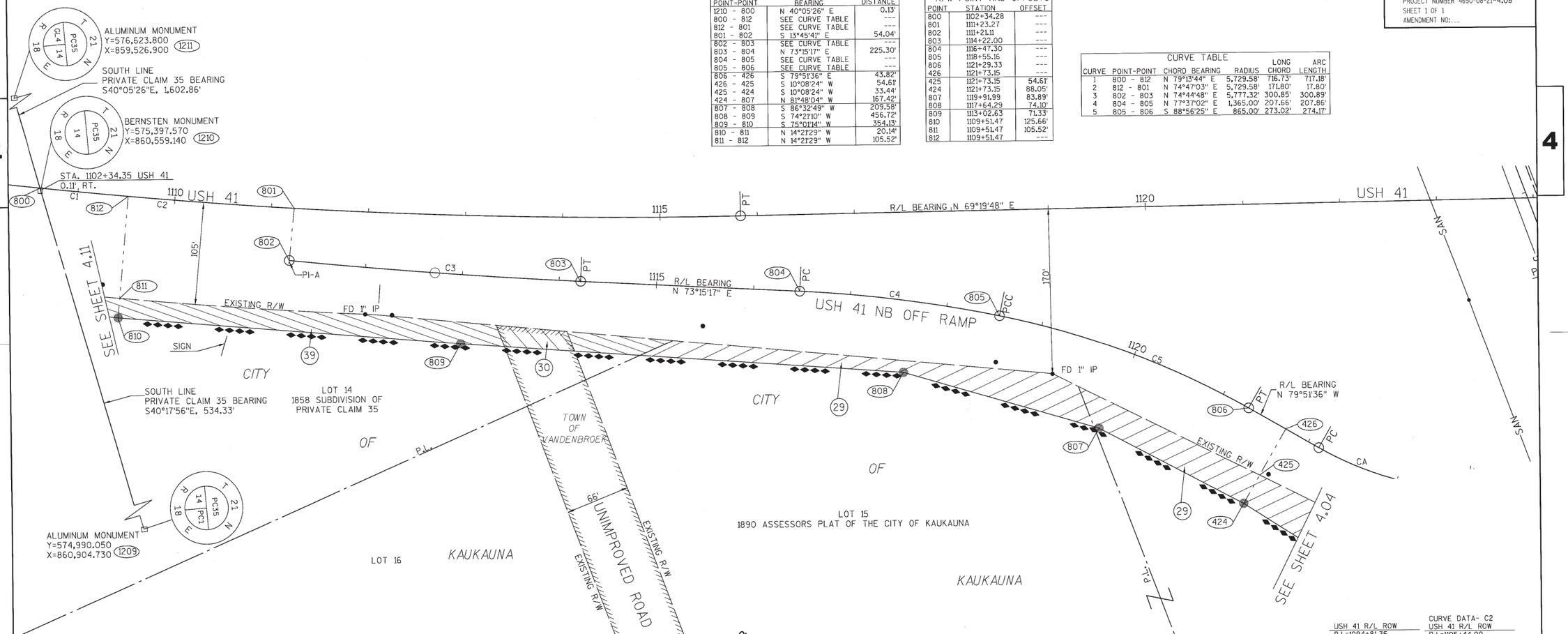
2052085
Recorded
August 19, 2015 2:35 PM
OUTAGAMIE COUNTY
SARAH R VAN CAMP
REGISTER OF DEEDS
Fee Amount: $25.00
Total Pages: 1
Cabinet M Page 7

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 4650-08-21-4.08
SHEET 1 OF 1
AMENDMENT NO:___

R/W COURSE TABLE		
POINT-POINT	BEARING	DISTANCE
1210 - 800	N 40°05'26" E	0.13'
800 - 812	SEE CURVE TABLE	---
812 - 801	SEE CURVE TABLE	---
801 - 802	S 13°45'41" E	54.04'
802 - 803	SEE CURVE TABLE	---
803 - 804	N 73°15'17" E	225.30'
804 - 805	SEE CURVE TABLE	---
805 - 806	SEE CURVE TABLE	---
806 - 426	S 79°51'36" E	43.82'
426 - 425	S 10°08'24" W	54.61'
425 - 424	S 10°08'24" W	33.44'
424 - 807	N 81°48'04" W	167.42'
807 - 808	S 86°32'49" W	209.58'
808 - 809	S 74°21'10" W	456.72'
809 - 810	S 75°01'14" W	354.13'
810 - 811	N 14°21'29" W	20.14'
811 - 812	N 14°21'29" W	105.52'

R/W POINT AND OFFSETS		
POINT	STATION	OFFSET
800	1102+34.28	---
801	1111+23.27	---
802	1111+21.11	---
803	1114+22.00	---
804	1116+47.30	---
805	1118+55.16	---
806	1121+29.33	---
426	1121+73.15	---
425	1121+73.15	54.61'
424	1121+73.15	88.05'
807	1119+91.99	83.89'
808	1117+64.29	74.10'
809	1113+02.63	71.33'
810	1109+51.47	125.66'
811	1109+51.47	105.52'
812	1109+51.47	---

CURVE TABLE						
CURVE	POINT-POINT	CHORD BEARING	RADIUS	LONG CHORD	ARC LENGTH
1	800 - 812	N 79°13'44" E	5,729.58'	716.73'	717.18'
2	812 - 801	N 74°47'03" E	5,729.58'	171.80'	17.80'
3	802 - 803	N 74°44'48" E	5,777.32'	300.85'	300.89'
4	804 - 805	N 77°37'02" E	1,365.00'	207.66'	207.86'
5	805 - 806	S 88°56'25" E	865.00'	273.02'	274.17'



USH 41 R/L ROW
P.I.=1094+81.35
Y=575,352.776
X=859,808.006
USH 41 R/L ROW
P.I.=1143+99.04
Y=576,715.590
X=864,499.861

CURVE DATA- C2
USH 41 R/L ROW
P.I.=1105+44.00
Y=575,346.391
X=860,870.638
DELTA =21°00'51"
DEGREE =01°00'00"
R = 5729.58'
L. = 2101.42'
T. = 1062.65'
P.C.=1094+81.35
P.T.=1115+82.77

PI-A
NB USH 41 OFF RAMP
P.I.=1111+21.11
Y=575,524.205
X=861,441.774

CURVE DATA- C3
NB USH 41 OFF RAMP
P.I.=1112+71.59
Y=575,560.000
X=861,587.932
DELTA =02°59'02"
DEGREE =00°59'30"
R = 5777.32'
L. = 300.89'
T. = 150.48'
P.C.=1111+21.11
P.T.=1114+22.00

CURVE DATA- C4
NB USH 41 OFF RAMP
P.I.=1117+51.43
Y=575,698.271
X=862,047.492
DELTA =08°43'30"
DEGREE =04°11'51"
R = 1365.00'
L. = 207.86'
T. = 104.13'
P.C.=1116+47.30
P.T.=1118+55.16

CURVE DATA- C5
NB USH 41 OFF RAMP
P.I.=1119+93.40
Y=575,732.089
X=862,287.498
DELTA =18°09'38"
DEGREE =06°37'26"
R = 865.00'
L. = 274.17'
T. = 138.25'
P.C.=1118+55.16
P.T.=1121+29.33

CURVE DATA- CA
NB USH 41 OFF RAMP
P.I.=1122+95.68
Y=575,732.089
X=862,287.498
DELTA =27°30'37"
DEGREE =16°50'56"
R = 340.00'
L. = 163.25'
T. = 83.23'
P.C.=1122+12.456
P.T.=1123+75.70

NOTE: OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES AND ARE SUBJECT TO CHANGE PRIOR TO TRANSFER OF LAND INTERESTS TO THE CITY OF KAUKAUNA

SCHEDULE OF LANDS & INTERESTS REQUIRED							
PARCEL NUMBER	OWNER (S)	INTEREST REQUIRED	FEE R/W SQ. FT, REQUIRED			T.L.E. SQ FT	P.L.E. SQ FT
			NEW	EXISTING	TOTAL		
29	CONVENIENCE STORE INVESTMENTS	FEE	15,230	---	15,230	---	---
30	TOWN OF VANDENBROEK	FEE	1,505	---	1,505	---	---
39	HURKMAN HEIGHTS, LLC	FEE	8,427	---	8,427	---	---

JT ENGINEERING, INC Consultant Services

I, MICHAEL D. VANDE HEI, PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE CITY OF KAUKAUNA, I HAVE SURVEYED AND MAPPED TRANSPORTATION PROJECT PLAT 4650-08-21 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

SIGNATURE: _____ DATE:08/05/15
PRINT NAME: MICHAEL D. VANDE HEI
REGISTRATION NUMBER: S-2241

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE CITY OF KAUKAUNA

SIGNATURE: _____ DATE: 8/19/15
PRINT NAME: JOHN SUNDELIUS
DIRECTOR OF PUBLIC WORKS

WISCONSIN MICHAEL D. VANDE HEI S-2241 De Pere, WI LAND SURVEYOR

FILE NAME : X:\PROJECTS\OUTAGAMIE\4650-08-00 STH 55\DESIGN\C3D\SHEETSPLAN\TPP PLAT_V12 (2-7).DWG
PLOT DATE : 8/17/2015 9:48 AM PLOT BY : JEFF ZLATOHLAVEK PLOT NAME : PLOT SCALE : **********
APPRAISAL PLAT DATE : _____

TRANSPORTATION PROJECT PLAT NO: 4650-08-21- 4.08, AMENDMENT NO: 1

AMENDS NAME CHANGE AND SQUARE FOOT CHANGE OF PARCEL 29 OF TPP 4650-08-21-4.06, RECORDED AS DOCUMENT 2052085

THAT PART OF 1890 SUBDIVISION OF PRIVATE CLAIM 35, AND PART OF 1858 ASSESSORS PLAT OF CITY OF KAUKAUNA, ALL LOCATED IN PRIVATE CLAIM 35; CITY OF KAUKAUNA, OUTAGAMIE COUNTY, WISCONSIN.

RELOCATION ORDER STH 55 CITY OF KAUKAUNA (LAWE STREET-USH 41)

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

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 62.22, WISCONSIN STATUTES, THE CITY OF KAUKAUNA HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
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NOTES:

COORDINATES AND BEARINGS SHOWN ON THIS PLAT ARE REFERENCED TO THE WISCONSIN COUNTY COORDINATE SYSTEM, OUTAGAMIE COUNTY ZONE, NAD83 (91) ADJUSTMENT. THE COORDINATES SHOWN ARE GRID COORDINATES AND ARE TO BE USED AS GRID OR GROUND VALUES ON THIS PLAT.

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EXISTING HIGHWAY RIGHT-OF-WAY FOR USH 41 ESTABLISHED FROM PREVIOUS PROJECT 1-03-02 (28).
EXISTING ACCESS CONTROL ALONG USH 41 ESTABLISHED FROM PREVIOUS PROJECT 1-03-02 (28).

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2, IN CABINET L OF TRANSPORTATION PROJECT PLATS, PAGE 127 & 128, AS DOCUMENT NO. 2051573 FOR ADDITIONAL INFORMATION.

2079015
Recorded
July 25, 2016 2:55 PM
OUTAGAMIE COUNTY
SARAH R VAN CAMP
REGISTER OF DEEDS
Fee Amount: $25.00
Total Pages: 1
Cabinet M Page 32

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 4650-08-21-4.08
SHEET 1 OF 1
AMENDMENT NO: 1

R/W COURSE TABLE		
POINT-POINT	BEARING	DISTANCE
1210 - 800	N 40°05'26" E	0.13'
800 - 812	SEE CURVE TABLE	---
812 - 801	SEE CURVE TABLE	---
801 - 802	S 13°45'41" E	54.04'
802 - 803	SEE CURVE TABLE	---
803 - 804	N 73°15'17" E	225.30'
804 - 805	SEE CURVE TABLE	---
805 - 806	SEE CURVE TABLE	---
806 - 426	S 79°51'36" E	43.82'
426 - 425	S 10°08'24" W	54.61'
425 - 424	S 10°08'24" W	33.44'
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810 - 811	N 14°21'29" W	20.14'
811 - 812	N 14°21'29" W	105.52'

R/W POINT AND OFFSETS		
POINT	STATION	OFFSET
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801	1111+23.27	---
802	1111+21.11	---
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804	1116+47.30	---
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809	1113+02.63	71.33'
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CURVE TABLE					
CURVE	POINT-POINT	CHORD BEARING	RADIUS	LONG CHORD	ARC LENGTH
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2	812 - 801	N 74°47'03" E	5,729.58'	171.80'	17.80'
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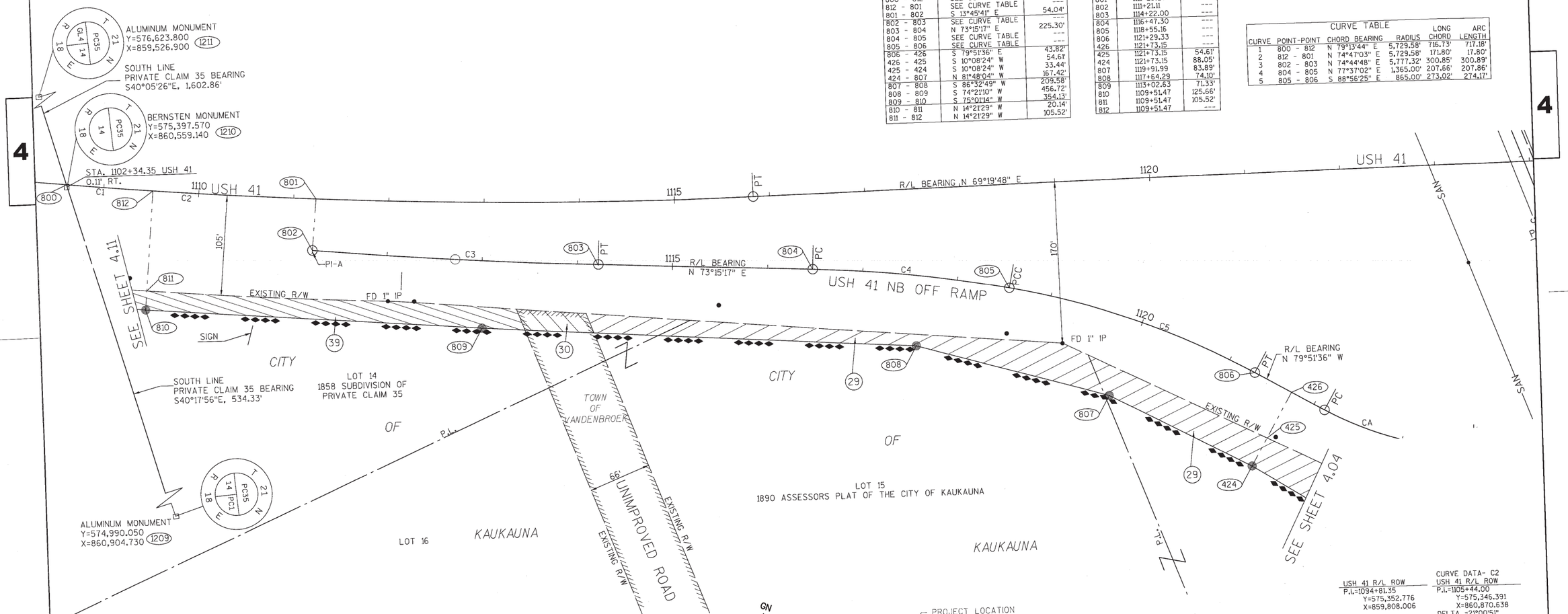

PI-A NB USH 41 OFF RAMP
P.I.=1111+21.11
Y=575,524.205
X=861,441.774

CURVE DATA- C3 NB USH 41 OFF RAMP
P.I.=1112+71.59
Y=575,560.000
X=861,587.932
DELTA =02°59'02"
DEGREE =00°59'30"
R = 5777.32'
L. = 300.89'
T. = 150.48'
P.C.=1111+21.11
P.T.=1114+22.00

CURVE DATA- C4 NB USH 41 OFF RAMP
P.I.=1117+51.43
Y=575,698.271
X=862,047.492
DELTA =08°43'30"
DEGREE =04°11'51"
R = 1365.00'
L. = 207.86'
T. = 104.13'
P.C.=1116+47.30
P.T.=1118+55.16

CURVE DATA- C5 NB USH 41 OFF RAMP
P.I.=1119+93.40
Y=575,732.089
X=862,287.498
DELTA =18°09'38"
DEGREE =06°37'26"
R = 865.00'
L. = 274.17'
T. = 138.25'
P.C.=1118+55.16
P.T.=1121+29.33

CURVE DATA- CA NB USH 41 OFF RAMP
P.I.=1122+95.68
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X=862,287.498
DELTA =27°30'37"
DEGREE =16°50'56"
R = 340.00'
L. = 163.25'
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USH 41 R/L ROW
P.I.=1094+81.35
Y=575,352.776
X=859,808.006

USH 41 R/L ROW
P.I.=1143+99.04
Y=576,715.590
X=864,499.861

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P.I.=1105+44.00
Y=575,346.391
X=860,870.638
DELTA =21°00'51"
DEGREE =01°00'00"
R = 5729.58'
L. = 2101.42'
T. = 1062.65'
P.C.=1094+81.35
P.T.=1115+82.77

I, MICHAEL D. VANDE HEI, PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE CITY OF KAUKAUNA, I HAVE SURVEYED AND MAPPED TRANSPORTATION PROJECT PLAT 4650-08-21 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

SIGNATURE: _____ DATE: 7/26/16
PRINT NAME: MICHAEL D. VANDE HEI
REGISTRATION NUMBER: S-2241

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE CITY OF KAUKAUNA

SIGNATURE: _____ DATE 07/25/16
PRINT NAME: JOHN SUNDELIUS
DIRECTOR OF PUBLIC WORKS

NOTE: OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES AND ARE SUBJECT TO CHANGE PRIOR TO TRANSFER OF LAND INTERESTS TO THE CITY OF KAUKAUNA

SCHEDULE OF LANDS & INTERESTS REQUIRED

PARCEL NUMBER	OWNER (S)	INTEREST REQUIRED	FEE R/W SQ. FT. REQUIRED NEW	EXISTING	TOTAL	T.L.E. SQ FT	P.L.E. SQ FT
29	KT REAL ESTATE HOLDING, LLC F/K/A CONVENIENCE STORE INVESTMENTS	FEE	16,954	---	16,954	---	---
30	TOWN OF VANDENBROEK	FEE	1,505	---	1,505	---	---
39	HURKMAN HEIGHTS, LLC	FEE	8,427	---	8,427	---	---

PLOT DATE : 6/30/2016 4:10 PM PLOT BY : JEFF ZLATOHLAVEK PLOT NAME : PLOT SCALE : 1"=100'

FILE NAME : X:\PROJECTS\OUTAGAMIE\4650-08-00 STH 55\DESIGN\C3D\SHEETSPLAN\TPP PLAT_V12 (2-7).DWG
APPRAISAL PLAT DATE : _____

TRANSPORTATION PROJECT PLAT NO: 4650-08-21- 4.08, AMENDMENT NO: 2

AMENDS SECTION CORNER COORDINATES, LEAD IN BEARING AND DISTANCE, AND CURVE 1 OF THE CURVE TABLE OF TPP 4650-08-21-4.08, AMENDMENT NO. 1, RECORDED AS DOCUMENT 2079015, AND TPP 4650-08-21-4.08, RECORDED AS DOCUMENT 2052085.

THAT PART OF 1890 SUBDIVISION OF PRIVATE CLAIM 35, AND PART OF 1858 ASSESSORS PLAT OF CITY OF KAUKAUNA, ALL LOCATED IN PRIVATE CLAIM 35; CITY OF KAUKAUNA, OUTAGAMIE COUNTY, WISCONSIN.

RELOCATION ORDER STH 55 CITY OF KAUKAUNA (LAWE STREET-USH 41)

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

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NOTES:

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EXISTING ACCESS CONTROL ALONG USH 41 ESTABLISHED FROM PREVIOUS PROJECT 1-03-02 (28).

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2, IN CABINET L OF TRANSPORTATION PROJECT PLATS, PAGE 127 & 128, AS DOCUMENT NO. 2051573 FOR ADDITIONAL INFORMATION.

R/W COURSE TABLE

POINT-POINT	BEARING	DISTANCE
1210 - 800	N 40°04'41" W	0.26'
800 - 812	SEE CURVE TABLE	---
812 - 801	SEE CURVE TABLE	---
801 - 802	S 13°45'41" E	54.04'
802 - 803	SEE CURVE TABLE	---
803 - 804	N 73°15'17" E	225.30'
804 - 805	SEE CURVE TABLE	---
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806 - 426	S 79°51'36" E	43.82'
426 - 425	S 10°08'24" W	54.61'
425 - 424	S 10°08'24" W	33.44'
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807 - 808	S 86°32'49" W	209.58'
808 - 809	S 74°21'10" W	456.72'
809 - 810	S 75°01'14" W	354.13'
810 - 811	N 14°21'29" W	20.14'
811 - 812	N 14°21'29" W	105.52'

R/W POINT AND OFFSETS

POINT	STATION	OFFSET
800	1102+34.45	---
801	1111+23.27	---
802	1111+21.11	---
803	1114+22.00	---
804	1116+47.30	---
805	1118+55.16	---
806	1121+29.33	---
426	1121+73.15	---
425	1121+73.15	54.61'
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811	1109+51.47	105.52'
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CURVE TABLE

CURVE	POINT-POINT	CHORD BEARING	RADIUS	LONG CHORD	ARC LENGTH
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2	812 - 801	N 74°47'03" E	5,729.58'	171.80'	17.80'
3	802 - 803	N 74°44'48" E	5,777.32'	300.85'	300.89'
4	804 - 805	N 77°37'02" E	1,365.00'	207.66'	207.86'
5	805 - 806	S 88°56'26" E	865.00'	273.02'	274.17'

2111927
Recorded
August 15, 2017 12:18 PM
OUTAGAMIE COUNTY
SARAH E VAN CAMP
REGISTER OF DEEDS
Fee Amount: 925.00
Total Pages: 1
Cabinet M, Page 87

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 4650-08-21-4.08
SHEET 1 OF 1
AMENDMENT NO: 2

ALUMINUM MONUMENT
Y=576,624.080
X=859,527.310 (1211)

SOUTH LINE
PRIVATE CLAIM 35 BEARING
S40°04'41"E, 1,603.03'

BERNSTEN MONUMENT
Y=575,397.490
X=860,559.390 (1210)

STA. 1102+34.59 USH 41
0.22' RT.

USH 41 — R/L BEARING N 69°19'48" E — USH 41

SEE SHEET 4-11

EXISTING R/W

FD 1" IP

SIGN

PI-A

USH 41 NB OFF RAMP

R/L BEARING N 73°15'17" E

FD 1" IP

R/L BEARING N 79°51'36" W

EXISTING R/W

SEE SHEET 4-04

SOUTH LINE
PRIVATE CLAIM 35 BEARING
S40°18'10"E, 534.50'

LOT 14
1858 SUBDIVISION OF
PRIVATE CLAIM 35

CITY OF KAUKAUNA

TOWN OF VANDENBROEK

UNIMPROVED ROAD

EXISTING R/W

LOT 15
1890 ASSESSORS PLAT OF THE CITY OF KAUKAUNA

ALUMINUM MONUMENT
Y=574,989.860
X=860,905.120 (1209)

LOT 16

PRIVATE CLAIM 35

SCALE, FEET 0 50 100

NOTE: OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES AND ARE SUBJECT TO CHANGE PRIOR TO TRANSFER OF LAND INTERESTS TO THE CITY OF KAUKAUNA

PROJECT LOCATION

T 22 N
T 21 N
R 18 E

SHEET LOCATION
PROJECT LOCATION (NOT TO SCALE)

SCHEDULE OF LANDS & INTERESTS REQUIRED

PARCEL NUMBER	OWNER (S)	INTEREST REQUIRED	FEE R/W SQ. FT. REQUIRED NEW	EXISTING	TOTAL	T.L.E. SQ FT	P.L.E. SQ FT
29	KT REAL ESTATE HOLDING, LLC F/K/A CONVENIENCE STORE INVESTMENTS	FEE	16,954	---	16,954	---	---
30	TOWN OF VANDENBROEK	FEE	1,505	---	1,505	---	---
39	HURKMAN HEIGHTS, LLC	FEE	8,427	---	8,427	---	---

JE ENGINEERING, INC Consultant Services

I, MICHAEL D. VANDE HEI, PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE CITY OF KAUKAUNA, I HAVE SURVEYED AND MAPPED TRANSPORTATION PROJECT PLAT 4650-08-21 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

SIGNATURE: Michael D. Vande Hei DATE: 8/4/17
PRINT NAME: MICHAEL D. VANDE HEI
REGISTRATION NUMBER: S-2241

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE CITY OF KAUKAUNA

SIGNATURE: John Sundelius DATE: 8/4/17
PRINT NAME: JOHN SUNDELIUS
DIRECTOR OF PUBLIC WORKS

WISCONSIN MICHAEL D. VANDE HEI S-2241 De Pere, WI LAND SURVEYOR

PI-A
NB USH 41 OFF RAMP
P.I.=1111+21.11
Y=575,524.205
X=861,441.774

CURVE DATA- C3
NB USH 41 OFF RAMP
P.I.=1112+71.59
Y=575,560.000
X=861,587.932
DELTA =02°59'02"
DEGREE =00°59'30"
R = 5777.32'
L. = 300.89'
T. = 150.48'
P.C.=1111+21.11
P.T.=1114+22.00

CURVE DATA- C4
NB USH 41 OFF RAMP
P.I.=1117+51.43
Y=575,698.271
X=862,047.492
DELTA =08°43'30"
DEGREE =04°11'51"
R = 1365.00'
L. = 207.86'
T. = 104.13'
P.C.=1116+47.30
P.T.=1118+55.16

CURVE DATA- C5
NB USH 41 OFF RAMP
P.I.=1119+93.40
Y=575,732.089
X=862,287.498
DELTA =18°09'38"
DEGREE =06°37'26"
R = 865.00'
L. = 274.17'
T. = 138.25'
P.C.=1118+55.16
P.T.=1121+29.33

CURVE DATA- CA
NB USH 41 OFF RAMP
P.I.=1122+95.68
Y=575,732.089
X=862,287.498
DELTA =27°30'37"
DEGREE =16°50'56"
R = 340.00'
L. = 163.25'
T. = 83.23'
P.C.=1122+12.456
P.T.=1123+75.70

USH 41 R/L ROW
P.I.=1094+81.35
Y=575,352.776
X=859,808.006

USH 41 R/L ROW
P.I.=1143+99.04
Y=576,715.590
X=864,499.861

CURVE DATA- C2
USH 41 R/L ROW
P.I.=1105+44.00
Y=575,346.391
X=860,870.638
DELTA =21°00'51"
DEGREE =01°00'00"
R = 5729.58'
L. = 2101.42'
T. = 1062.65'
P.C.=1094+81.35
P.T.=1115+82.77

FILE NAME : X:\PROJECTS\OUTAGAMIE\4650-08-00 STH 55\DESIGN\C3D\SHEETSPLANTPP PLAT_V12 (2-7).DWG
PLOT DATE : 8/1/2017 6:34 AM PLOT BY : JEFF ZLATOHLAVEK PLOT NAME : PLOT SCALE : **********
APPRAISAL PLAT DATE :

TRANSPORTATION PROJECT PLAT NO: 4650-08-21 - 4.09

THAT PART OF PRIVATE CLAIM 34; CITY OF KAUKAUNA, OUTAGAMIE COUNTY, WISCONSIN.

RELOCATION ORDER STH 55 CITY OF KAUKAUNA, DELANGLADE STREET (LAWE STREET-USH 41)

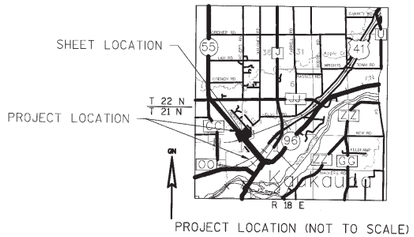
TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE CITY OF KAUKAUNA DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LAND FOR THE ABOVE PROJECT.

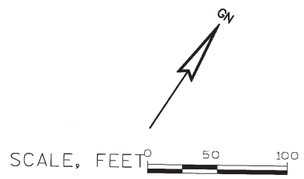
TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 62.22, WISCONSIN STATUTES, THE CITY OF KAUKAUNA HEREBY ORDERS THAT:

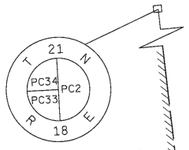
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE CITY OF KAUKAUNA FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE CITY OF KAUKAUNA, PURSUANT TO THE PROVISIONS OF SECTION 62.22, WISCONSIN STATUTES.

2052086
Recorded
August 19, 2015 2:35 PM
OUTAGAMIE COUNTY
SARAH R VAN CAMP
REGISTER OF DEEDS
Fee Amount: $25.00
Total Pages: 1
Cabinet N Page 8

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 4650-08-21-4.09
SHEET 1 OF 1
AMENDMENT NO:...







ALUMINUM MONUMENT
Y=581,243.410
X=859,121.910

NOTES:

COORDINATES AND BEARINGS SHOWN ON THIS PLAT ARE REFERENCED TO THE WISCONSIN COUNTY COORDINATE SYSTEM, OUTAGAMIE COUNTY ZONE, NAD83 (91) ADJUSTMENT. THE COORDINATES SHOWN ARE GRID COORDINATES AND ARE TO BE USED AS GRID OR GROUND VALUES ON THIS PLAT.

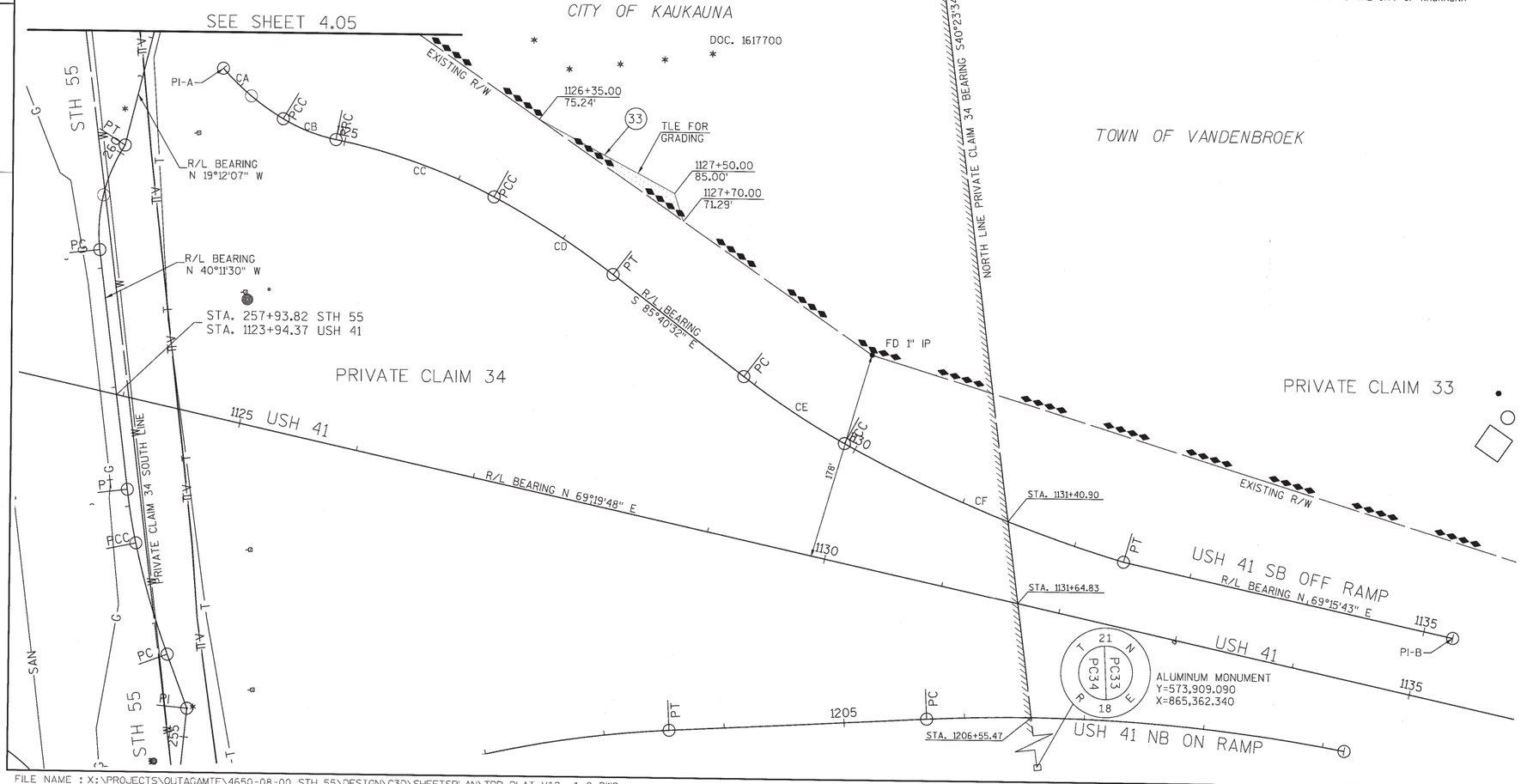
EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE:
EXISTING HIGHWAY RIGHT-OF-WAY FOR STH 55 ESTABLISHED FROM PREVIOUS PROJECT 3657 AND 3739.
EXISTING HIGHWAY RIGHT-OF-WAY FOR USH 41 ESTABLISHED FROM PREVIOUS PROJECT T-03-02 (28).
EXISTING HIGHWAY RIGHT-OF-WAY FOR MALONEY ROAD ESTABLISHED FROM C.S.M. 323 AND 2679.
EXISTING ACCESS CONTROL ALONG USH 41 ESTABLISHED FROM PREVIOUS PROJECT T-03-02 (28).

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2, IN CABINET L OF TRANSPORTATION PROJECT PLATS, PAGE 127 & 128, AS DOCUMENT NO. 2051573 FOR ADDITIONAL INFORMATION.

SCHEDULE OF LANDS & INTERESTS REQUIRED

PARCEL NUMBER	OWNER (S)	INTEREST REQUIRED	FEE R/W SQ. FT. REQUIRED			T.L.E. SQ FT	P.L.E. SQ FT
			NEW	EXISTING	TOTAL		
33	GUSTMANS FAMILY LTD PARTNERSHIP	TLE	---	---	---	1,075	---

NOTE: OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES AND ARE SUBJECT TO CHANGE PRIOR TO TRANSFER OF LAND INTERESTS TO THE CITY OF KAUKAUNA



PI-A
USH 41 SB OFF RAMP
P.I.=1123+79.31
Y=576,284.820
X=862,547.439

PI-B
USH 41 SB OFF RAMP
P.I.=1135+24.55
Y=576,457.663
X=863,662.501

CURVE DATA- CA
USH 41 SB OFF RAMP
P.I.=1124+12.41
Y=576,275.949
X=862,573.328
DELTA =18°10'11"
DEGREE =27°40'45"
R = 207.00'
L. = 65.64'
T. = 33.10'
P.C.=1123+79.31
P.T.=1124+44.95

CURVE DATA- CB
USH 41 SB OFF RAMP
P.I.=1124+68.92
Y=576,278.560
X=862,636.334
DELTA =19°17'35"
DEGREE =40°38'07"
R = 141.00'
L. = 47.48'
T. = 23.97'
P.C.=1124+44.95
P.T.=1124+92.45

CURVE DATA- CC
USH 41 SB OFF RAMP
P.I.=1125+63.15
Y=576,313.899
X=862,724.174
DELTA =16°33'28"
DEGREE =11°47'21"
R = 486.00'
L. = 140.45'
T. = 70.72'
P.C.=1124+92.43
P.T.=1126+32.88

CURVE DATA- CD
USH 41 SB OFF RAMP
P.I.=1126+92.17
Y=576,326.039
X=862,853.610
DELTA =09°40'57"
DEGREE =08°11'06"
R = 700.00'
L. = 118.29'
T. = 59.29'
P.C.=1126+32.88
P.T.=1127+51.17

CURVE DATA- CE
USH 41 SB OFF RAMP
P.I.=1129+39.60
Y=576,307.361
X=863,100.619
DELTA = 08°41'18"
DEGREE =08°36'57"
R = 665.00'
L. = 100.84'
T. = 50.52'
P.C.=1128+89.07
P.T.=1129+89.92

CURVE DATA- CF
USH 41 SB OFF RAMP
P.I.=1131+16.94
Y=576,320.871
X=863,277.641
DELTA =12°36'21"
DEGREE =04°58'56"
R = 1150.00'
L. = 253.01'
T. = 127.02'
P.C.=1129+89.92
P.T.=1132+42.94

JT ENGINEERING, INC
Consultant Services

I, MICHAEL D. VANDE HEI, PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE CITY OF KAUKAUNA, I HAVE SURVEYED AND MAPPED TRANSPORTATION PROJECT PLAT 4650-08-21 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

SIGNATURE: _____ DATE:08/05/15
PRINT NAME: MICHAEL D. VANDE HEI
REGISTRATION NUMBER: S-2241

WISCONSIN
MICHAEL D. VANDE HEI
S-2241
De Pere, WI
LAND SURVEYOR

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE CITY OF KAUKAUNA

SIGNATURE: _____ DATE: 8/19/15
PRINT NAME: JOHN SUNDELIUS
DIRECTOR OF PUBLIC WORKS

FILE NAME : X:\PROJECTS\OUTAGAMIE\4650-08-00 STH 55\DESIGN\C3D\SHEETSPLAN\TPP PLAT_V12 -1-8.DWG
APPRAISAL PLAT DATE : _____
PLOT DATE : 8/17/2015 9:15 AM PLOT BY : JEFF ZLATOHLAVEK PLOT NAME : PLOT SCALE : **********

TRANSPORTATION PROJECT PLAT NO: 4650-08-21 - 4.09, AMENDMENT NO. 1

AMENDS SECTION CORNER COORDINATES, AND ALIGNMENT CROSSING OF TPP 4650-08-21-4.09 RECORDED AS DOCUMENT 2052086.

THAT PART OF PRIVATE CLAIM 34; CITY OF KAUKAUNA, OUTAGAMIE COUNTY, WISCONSIN.

RELOCATION ORDER STH 55 CITY OF KAUKAUNA, DELANGLADE STREET (LAWE STREET-USH 41)

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

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 62.22, WISCONSIN STATUTES, THE CITY OF KAUKAUNA HEREBY ORDERS THAT:

1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
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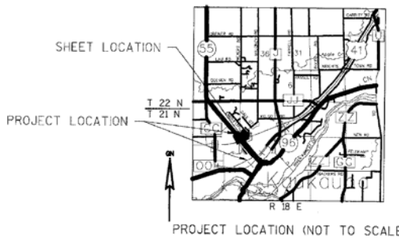
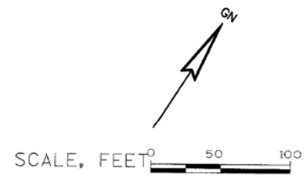
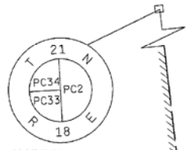
2111928
Recorded
August 15, 2017 12:18 PM
OUTAGAMIE COUNTY
SARAH R VAN CAMP
REGISTER OF DEEDS
Fee Amount: $25.00
Total Pages: 1
Cabinet M, Page 86

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 4650-08-21-4.09
SHEET 1 OF 1
AMENDMENT NO:_1_



PROJECT LOCATION (NOT TO SCALE)





ALUMINUM MONUMENT
Y=581,243.800
X=859,122.060

NOTES:

COORDINATES AND BEARINGS SHOWN ON THIS PLAT ARE REFERENCED TO THE WISCONSIN COUNTY COORDINATE SYSTEM, OUTAGAMIE COUNTY ZONE, NAD83 (91) ADJUSTMENT. THE COORDINATES SHOWN ARE GRID COORDINATES AND ARE TO BE USED AS GRID OR GROUND VALUES ON THIS PLAT.

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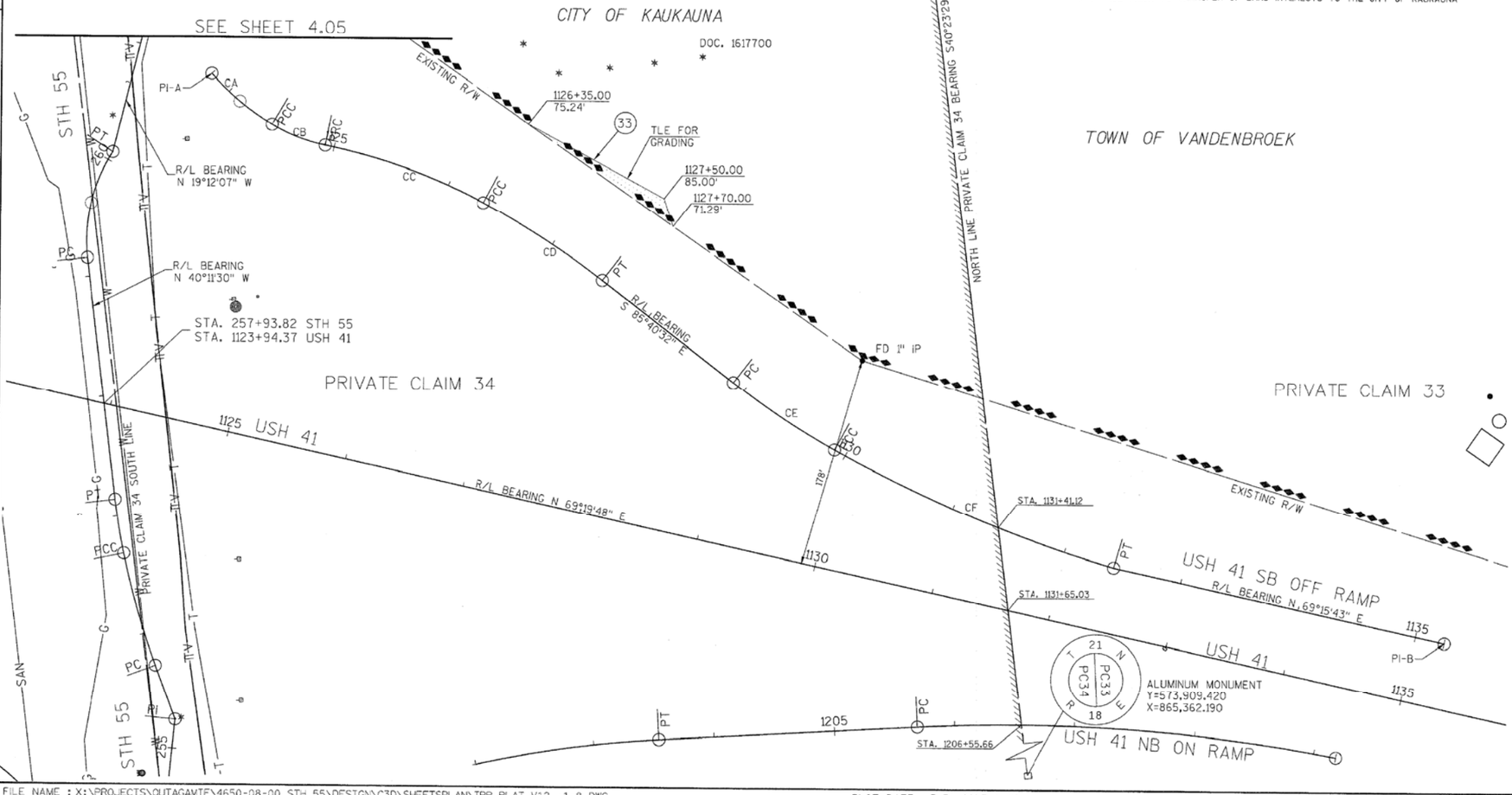
EXISTING HIGHWAY RIGHT-OF-WAY FOR USH 41 ESTABLISHED FROM PREVIOUS PROJECT 1-03-02 (28).
EXISTING HIGHWAY RIGHT-OF-WAY FOR MALONEY ROAD ESTABLISHED FROM C.S.M. 323 AND 2679.
EXISTING ACCESS CONTROL ALONG USH 41 ESTABLISHED FROM PREVIOUS PROJECT 1-03-02 (28).

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2, IN CABINET L OF TRANSPORTATION PROJECT PLATS, PAGE 127 & 128, AS DOCUMENT NO. 2051573 FOR ADDITIONAL INFORMATION.

SCHEDULE OF LANDS & INTERESTS REQUIRED

PARCEL NUMBER	OWNER (S)	INTEREST REQUIRED	FEE R/W SQ. FT. REQUIRED			T.L.E.	P.L.E.
			NEW	EXISTING	TOTAL	SQ FT	SQ FT
33	GUSTMANS FAMILY LTD PARTNERSHIP	TLE	---	---	---	1,075	---

NOTE: OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES AND ARE SUBJECT TO CHANGE PRIOR TO TRANSFER OF LAND INTERESTS TO THE CITY OF KAUKAUNA



PI-A
USH 41 SB OFF RAMP
P.I.=1123+79.31
Y=576,284.820
X=862,547.439

PI-B
USH 41 SB OFF RAMP
P.I.=1135+24.55
Y=576,457.663
X=863,662.501

CURVE DATA- CA
USH 41 SB OFF RAMP
P.I.=1124+12.41
Y=576,275.949
X=862,579.328
DELTA =15°10'11"
DEGREE =27°40'45"
R = 207.00'
L. = 65.64'
T. = 33.10'
P.C.=1123+79.31
P.T.=1124+44.95

CURVE DATA- CB
USH 41 SB OFF RAMP
P.I.=1124+68.92
Y=576,278.560
X=862,636.334
DELTA =19°17'35"
DEGREE =40°38'07"
R = 141.00'
L. = 47.48'
T. = 23.97'
P.C.=1124+44.95
P.T.=1124+92.45

CURVE DATA- CC
USH 41 SB OFF RAMP
P.I.=1125+63.15
Y=576,313.899
X=862,724.174
DELTA =16°33'28"
DEGREE =11°47'21"
R = 486.00'
L. = 140.45'
T. = 70.72'
P.C.=1124+92.43
P.T.=1126+32.88

CURVE DATA- CD
USH 41 SB OFF RAMP
P.I.=1126+92.17
Y=576,326.039
X=862,853.610
DELTA =09°40'57"
DEGREE =08°11'06"
R = 700.00'
L. = 118.29'
T. = 59.29'
P.C.=1126+32.88
P.T.=1127+51.17

CURVE DATA- CE
USH 41 SB OFF RAMP
P.I.=1129+39.60
Y=576,307.361
X=863,100.619
DELTA = 08°47'18"
DEGREE =08°36'57"
R = 665.00'
L. = 100.84'
T. = 50.52'
P.C.=1128+89.07
P.T.=1129+89.92

CURVE DATA- CF
USH 41 SB OFF RAMP
P.I.=1131+16.94
Y=576,320.871
X=863,277.641
DELTA =12°36'21"
DEGREE =04°58'56"
R = 1150.00'
L. = 253.01'
T. = 127.02'
P.C.=1129+89.92
P.T.=1132+42.94

JE ENGINEERING, INC
Consultant Services

I, MICHAEL D. VANDE HEI, PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE CITY OF KAUKAUNA, I HAVE SURVEYED AND MAPPED TRANSPORTATION PROJECT PLAT 4650-08-21 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

SIGNATURE: _____ DATE: 8/4/17
PRINT NAME: MICHAEL D. VANDE HEI
REGISTRATION NUMBER: S-2241

WISCONSIN
MICHAEL D. VANDE HEI
S-2241
De Pere, WI
LAND SURVEYOR

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE CITY OF KAUKAUNA

SIGNATURE: _____ DATE: 8/4/17
PRINT NAME: JOHN SUNDELIUS
DIRECTOR OF PUBLIC WORKS

FILE NAME : X:\PROJECTS\OUTAGAVIE\4650-08-00 STH 55\DESIGN\C3D\SHEETSPLAN\TPP PLAT_V12 -1-8.DWG
APPRAISAL PLAT DATE : ----------
PLOT DATE : 7/31/2017 2:47 PM
PLOT BY : JEFF ZLATOHLAVEK
PLOT NAME :
PLOT SCALE : **********

NOTES:

COORDINATES AND BEARINGS SHOWN ON THIS PLAT ARE REFERENCED TO THE WISCONSIN COUNTY COORDINATE SYSTEM, OUTAGAMIE COUNTY ZONE, NAD83 (91) ADJUSTMENT. THE COORDINATES SHOWN ARE GRID COORDINATES AND ARE TO BE USED AS GRID OR GROUND VALUES ON THIS PLAT.

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE:
EXISTING HIGHWAY RIGHT-OF-WAY FOR USH 41 ESTABLISHED FROM PREVIOUS PROJECT T-03-02 (28).
EXISTING ACCESS CONTROL ALONG USH 41 ESTABLISHED FROM PREVIOUS PROJECT T-03-02 (28).

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2, IN CABINET L OF TRANSPORTATION PROJECT PLATS, PAGE 127 & 128, AS DOCUMENT NO. 2051573 FOR ADDITIONAL INFORMATION.

TRANSPORTATION PROJECT PLAT NO: 4650-08-21 - 4.10

THAT PART OF LOT 2, CSM 5680, AND PART OF LOTS 1 AND 2, CSM 5682, ALL LOCATED IN PRIVATE CLAIM 35; CITY OF KAUKAUNA, OUTAGAMIE COUNTY, WISCONSIN.

RELOCATION ORDER STH 55 CITY OF KAUKAUNA (LAWE STREET-USH 41)

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

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 62.22, WISCONSIN STATUTES, THE CITY OF KAUKAUNA HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE CITY FOR THE ABOVE PROJECT AND SHALL BE AQUIRED IN THE NAME OF THE CITY OF KAUKAUNA, PURSUANT TO THE PROVISIONS OF SECTION 62.22, WISCONSIN STATUTES

2052087
Recorded
August 19, 2015 2:35 PM
OUTAGAMIE COUNTY
SARAH R VAN CAMP
REGISTER OF DEEDS
Fee Amount: $25.00
Total Pages: 1
Cabinet M Page 9

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 4650-08-21-4.10
SHEET 1 OF 1
AMENDMENT NO:___

SCALE, FEET 0 50 100

CITY

PRIVATE CLAIM 35

OF

KAUKAUNA

ALUMINUM MONUMENT
Y=576,623.800
X=859,526.900
1211

LOT 1,
CSM 5682. VOL. 33, PG. 5682,
DOC. 1768572

LOT 2,
CSM 5682. VOL. 33, PG. 5682,
DOC. 1768572

LOT 2,
CSM 5680. VOL. 33, PG. 5680,
DOC. 1768284
CORRECT DOC. 1771216

SOUTH LINE
PRIVATE CLAIM 35
BEARING S40°05'26"E,
1,602.86'

BERNSTEN MONUMENT
Y=575,397.570
X=860,559.140
1210

STA. 1102+34.35 USH 41
0.11' RT.

SOUTH LINE
PRIVATE CLAIM 35 BEARING
S40°17'56"E, 534.33'

ALUMINUM MONUMENT
Y=574,990.050
X=860,904.730
1209

SEE SHEET 4.11

SEE SHEET 4.05

EXISTING R/W

FD 1" IP

R/L BEARING
N 68°21'51" E

R/L BEARING
N 50°24'38" E

USH 41 SB ON RAMP

USH 41

R/L BEARING N 69°19'48" E

105'

C1 C2 C3

P.I.

P.C.

P.T.

PI-A

1105 1110 1115

1000 1001 1002 1003 1004 1005 1006 1007 1008 1009 1010 1011

34 8 800 514 513 512

1115

R/W POINT AND OFFSETS		
POINT	STATION	OFFSET
800	1102+34.28	---
1000	1106+98.53	---
1001	1106+98.13	104.46'
1002	1106+98.09	113.22'
1003	1107+73.76	114.69'
1004	1108+99.72	114.06'
1005	1110+76.73	125.28'
1006	1112+36.71	115.02'
1007	1115+84.83	91.27'
514	1119+25.13	98.13'
513	1119+25.13	91.13'
512	1119+25.13	---
1008	1117+89.51	---
1009	1115+07.50	---
1010	1114+66.89	---
1011	1114+74.41	---

CURVE TABLE					
CURVE	POINT-POINT	CHORD BEARING	RADIUS	LONG CHORD	ARC LENGTH
1	800 - 1000	N 80°29'32" E	5,729.58'	464.12'	464.17'
2	1008 - 1009	S 59°23'14" W	900.00'	280.86'	282.02'
3	1010 - 1011	S 74°17'35" W	5,729.58'	775.29'	775.88'

R/W COURSE TABLE		
POINT-POINT	BEARING	DISTANCE
1210 - 800	N 40°05'26" E	0.13'
800 - 1000	SEE CURVE TABLE	---
1000 - 1001	N 12°02'40" W	104.45'
1001 - 1002	N 12°02'40" W	8.77'
1002 - 1003	N 76°39'38" E	74.18'
1003 - 1004	N 77°04'49" E	123.45'
1004 - 1005	N 71°34'30" E	173.66'
1005 - 1006	N 77°19'55" E	156.96'
1006 - 1007	N 64°18'44" E	339.29'
1007 - 514	N 52°55'25" E	318.27'
514 - 513	S 39°35'23" E	5.00'
513 - 512	S 39°35'23" E	93.13'
512 - 1008	S 50°24'38" W	135.62'
1008 - 1009	SEE CURVE TABLE	---
1009 - 1010	S 68°21'51" W	40.61'
1010 - 1011	S 21°38'09" E	57.83'
1011 - 1000	SEE CURVE TABLE	---

PROJECT LOCATION

T 22 N
T 21 N
R 18 E

SHEET LOCATION

PROJECT LOCATION (NOT TO SCALE)

NOTE: OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES AND ARE SUBJECT TO CHANGE PRIOR TO TRANSFER OF LAND INTERESTS TO THE CITY OF KAUKAUNA

SCHEDULE OF LANDS & INTERESTS REQUIRED

PARCEL NUMBER	OWNER (S)	INTEREST REQUIRED	FEE R/W SQ. FT, REQUIRED			T.L.E. SQ FT	P.L.E. SQ FT
			NEW	EXISTING	TOTAL		
8	CITY OF KAUKAUNA	FEE	9,574	---	9,574	---	---
34	MIDWESTERN INVESTMENTS, LLC	FEE	732	---	732	---	---

USH 41 R/L ROW
P.I.=1094+81.351
Y=575,352.776
X=859,808.006

USH 41 R/L ROW
P.I.=1143+99.04
Y=576,715.590
X=864,499.861

CURVE DATA- C2
USH 41 R/L ROW
P.I.=1105+44.00
Y=575,346.391
X=860,870.638
DELTA =21°00'51"
DEGREE =01°00'00"
R = 5729.58'
L. = 2101.42'
T. = 1062.65'
P.C.=1094+81.35
P.T.=1115+82.77

PI-A
SB USH 41 ON RAMP
P.I.=1114+66.89
Y=575,737.957
X=861,741.815

CURVE DATA- C2
SB USH 41 ON RAMP
P.I.=1116+49.67
Y=575,805.351
X=861,911.721
DELTA =17°57'13"
DEGREE =05°21'58"
R = 900.00'
L. = 282.02'
T. = 142.17'
P.C.=1115+07.50
P.T.=1117+89.51

CURVE DATA
SB USH 41 ON RAMP
P.I.=1120+34.72
Y=576,052.224
X=862,210.250
DELTA =10°17'59"
DEGREE =04°42'43"
R = 1216.00'
L. = 218.59'
T. = 109.59'
P.C.=1119+25.13
P.T.=1121+43.72

CURVE DATA
SB USH 41 ON RAMP
P.I.=1121+76.18
Y=576,160.861
X=862,301.763
DELTA =02°03'57"
DEGREE =03°10'59"
R = 1800.00'
L. = 64.90'
T. = 32.45'
P.C.=1121+43.72
P.T.=1122+08.62

JT ENGINEERING, INC
Consultant Services

I, MICHAEL D. VANDE HEI, PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE CITY OF KAUKAUNA, I HAVE SURVEYED AND MAPPED TRANSPORTATION PROJECT PLAT 4650-08-21 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

SIGNATURE: _____ DATE: 08/05/15
PRINT NAME: MICHAEL D. VANDE HEI
REGISTRATION NUMBER: S-2241

WISCONSIN MICHAEL D. VANDE HEI S-2241 De Pere, WI LAND SURVEYOR

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE CITY OF KAUKAUNA

SIGNATURE: _____ DATE: 8/19/15
PRINT NAME: JOHN SUNDELIUS
DIRECTOR OF PUBLIC WORKS

FILE NAME : X:\PROJECTS\OUTAGAMIE\4650-08-00 STH 55\DESIGN\C3D\SHEETSPLAN\TPP PLAT_V12 (2-7).DWG
APPRAISAL PLAT DATE : ----------

PLOT DATE : 8/17/2015 9:52 AM PLOT BY : JEFF ZLATOHLAVEK PLOT NAME : PLOT SCALE : **********

4.---

NOTES:

COORDINATES AND BEARINGS SHOWN ON THIS PLAT ARE REFERENCED TO THE WISCONSIN COUNTY COORDINATE SYSTEM, OUTAGAMIE COUNTY ZONE, NAD83 (91) ADJUSTMENT. THE COORDINATES SHOWN ARE GRID COORDINATES AND ARE TO BE USED AS GRID OR GROUND VALUES ON THIS PLAT.

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE:
EXISTING HIGHWAY RIGHT-OF-WAY FOR USH 41 ESTABLISHED FROM PREVIOUS PROJECT T-03-02 (28).
EXISTING ACCESS CONTROL ALONG USH 41 ESTABLISHED FROM PREVIOUS PROJECT T-03-02 (28).

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2, IN CABINET L OF TRANSPORTATION PROJECT PLATS, PAGE 127 & 128, AS DOCUMENT NO. 2051573 FOR ADDITIONAL INFORMATION.

GN

SCALE, FEET 0 50 100

TRANSPORTATION PROJECT PLAT NO: 4650-08-21- 4.10, AMENDMENT NO: 1

AMENDS SECTION CORNER COORDINATES, LEAD IN BEARING AND DISTANCE, AND CURVE 1 OF THE CURVE TABLE OF TPP 4650-08-21-4.10, RECORDED AS DOCUMENT 2052087.
THAT PART OF LOT 2, CSM 5680, AND PART OF LOTS 1 AND 2, CSM 5682, ALL LOCATED IN PRIVATE CLAIM 35;
CITY OF KAUKAUNA, OUTAGAMIE COUNTY, WISCONSIN.

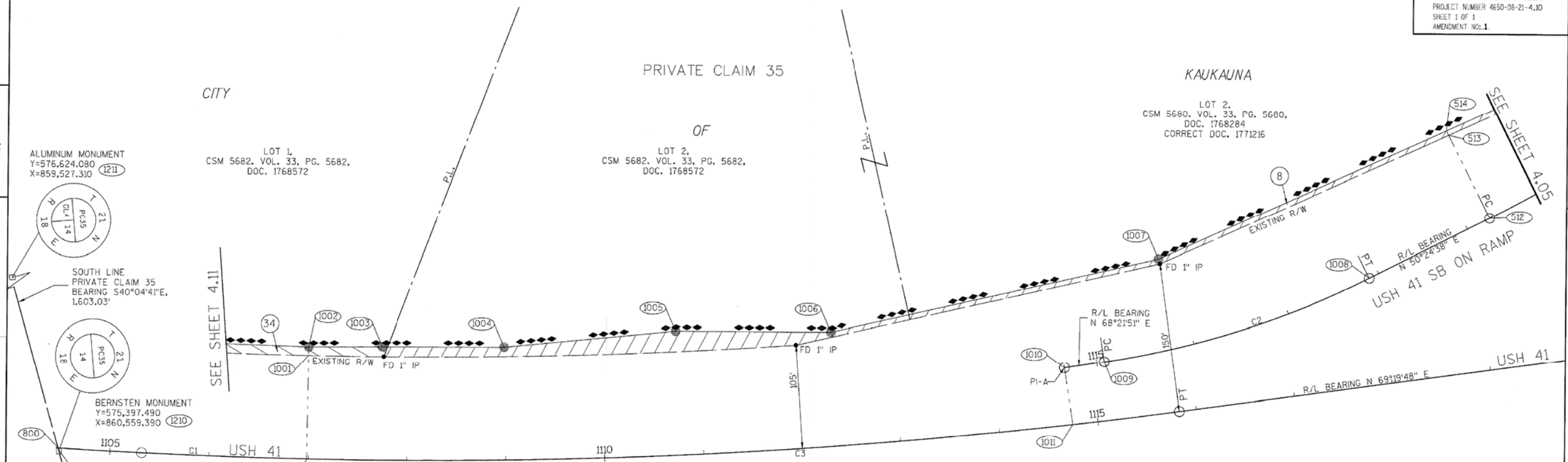
RELOCATION ORDER STH 55 CITY OF KAUKAUNA (LAWE STREET-USH 41)

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

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 62.22, WISCONSIN STATUTES, THE CITY OF KAUKAUNA HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE CITY FOR THE ABOVE PROJECT AND SHALL BE AQUIRED IN THE NAME OF THE CITY OF KAUKAUNA, PURSUANT TO THE PROVISIONS OF SECTION 62.22, WISCONSIN STATUTES

2111929
Recorded
August 15, 2017 12:18 PM
OUTAGAMIE COUNTY
SARAH R VAN CAMP
REGISTER OF DEEDS
Fee Amount: $25.00
Total Pages: 1
Cabinet M, Page 85

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 4650-08-21-4.10
SHEET 1 OF 1
AMENDMENT NO: 1



PROJECT LOCATION (NOT TO SCALE)

CURVE TABLE						
CURVE	POINT-POINT	CHORD BEARING	RADIUS	LONG CHORD	ARC LENGTH
1	800 - 1000	N 80°29'35" E	5,729.58'	463.92'	464.04'
2	1008 - 1009	S 59°23'14" W	900.00'	280.86'	282.02'
3	1010 - 1011	S 74°17'35" W	5,729.58'	775.29'	775.88'

R/W POINT AND OFFSETS		
POINT	STATION	OFFSET
800	1102+34.45	---
1000	1106+98.53	---
1001	1106+98.13	104.46'
1002	1106+98.09	113.22'
1003	1107+73.76	114.69'
1004	1108+99.72	114.06'
1005	1110+76.13	125.28'
1006	1112+36.71	115.02'
1007	1115+84.83	91.27'
514	1119+25.13	98.13'
513	1119+25.13	91.13'
512	1119+25.13	---
1008	1117+89.51	---
1009	1115+07.50	---
1010	1114+66.89	---
1011	1114+74.41	---

R/W COURSE TABLE		
POINT-POINT	BEARING	DISTANCE
1210 - 800	N 40°04'41" W	0.26'
800 - 1000	SEE CURVE TABLE	---
1000 - 1001	N 12°02'40" W	104.45'
1001 - 1002	N 12°02'40" W	8.77'
1002 - 1003	N 76°39'38" E	74.18'
1003 - 1004	N 77°04'49" E	123.45'
1004 - 1005	N 73°34'30" E	173.65'
1005 - 1006	N 77°19'55" E	156.96'
1006 - 1007	N 64°18'44" E	339.29'
1007 - 514	N 52°55'25" E	318.27'
514 - 513	S 39°35'23" E	5.00'
513 - 512	S 39°35'23" E	93.13'
512 - 1008	S 50°24'38" W	135.62'
1008 - 1009	SEE CURVE TABLE	---
1009 - 1010	S 68°21'51" W	40.61'
1010 - 1011	S 21°38'09" E	57.83'
1011 - 1000	SEE CURVE TABLE	---

USH 41 R/L ROW
P.I.=1094+81.351
Y=575,352.776
X=859,808.006

USH 41 R/L ROW
P.I.=1143+99.04
Y=576,715.590
X=864,499.861

CURVE DATA- C2
USH 41 R/L ROW
P.I.=1105+44.00
Y=575,346.391
X=860,870.638
DELTA =21°00'51"
DEGREE =01°00'00"
R = 5729.58'
L = 2101.42'
T = 1062.65'
P.C.=1094+81.35
P.T.=1115+82.77

PI-A
SB USH 41 ON RAMP
P.I.=1114+66.89
Y=575,737.957
X=861,741.815

CURVE DATA- C2
SB USH 41 ON RAMP
P.I.=1116+49.67
Y=575,805.351
X=861,911.721
DELTA =17°57'13"
DEGREE =05°21'58"
R = 900.00'
L = 282.02'
T = 142.17'
P.C.=1115+07.50
P.T.=1117+89.51

CURVE DATA
SB USH 41 ON RAMP
P.I.=1120+34.72
Y=576,052.224
X=862,210.250
DELTA =10°17'59"
DEGREE =04°42'43"
R = 1216.00'
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T = 109.59'
P.C.=1119+25.13
P.T.=1121+43.72

CURVE DATA
SB USH 41 ON RAMP
P.I.=1121+76.18
Y=576,160.861
X=862,301.763
DELTA =02°03'57"
DEGREE =03°10'59"
R = 1800.00'
L = 64.90'
T = 32.45'
P.C.=1121+43.72
P.T.=1122+08.62

NOTE: OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES AND ARE SUBJECT TO CHANGE PRIOR TO TRANSFER OF LAND INTERESTS TO THE CITY OF KAUKAUNA

SCHEDULE OF LANDS & INTERESTS REQUIRED							
PARCEL NUMBER	OWNER (S)	INTEREST REQUIRED	FEE R/W SQ. FT. REQUIRED			T.L.E. SQ FT	P.L.E. SQ FT
			NEW	EXISTING	TOTAL		
8	CITY OF KAUKAUNA	FEE	9,574	---	9,574	---	---
34	MIDWESTERN INVESTMENTS, LLC	FEE	732	---	732	---	---

JT ENGINEERING, INC
Consultant Services

I, MICHAEL D. VANDE HEI, PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE CITY OF KAUKAUNA, I HAVE SURVEYED AND MAPPED TRANSPORTATION PROJECT PLAT 4650-08-21 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

SIGNATURE: DATE: 8/4/17
PRINT NAME: MICHAEL D. VANDE HEI
REGISTRATION NUMBER: S-2241

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE CITY OF KAUKAUNA

SIGNATURE: DATE: 8/4/17
PRINT NAME: JOHN SUNDELIUS
DIRECTOR OF PUBLIC WORKS

FILE NAME : X:\PROJECTS\OUTAGAMIE\4650-08-00 STH 55\DESIGN\C3D\SHEETSPLAN\TPP PLAT_V12 (2-7).DWG
APPRAISAL PLAT DATE : ----------
PLOT DATE : 8/1/2017 6:57 AM PLOT BY : JEFF ZLATOHLAVEK PLOT NAME : PLOT SCALE : **********

TRANSPORTATION PROJECT PLAT NO: 4650-08-21 - 4.11

THAT PART OF LOT 2, CSM 5680, PART OF LOT 1, CSM 5682, AND PART OF LOT 14, 1858 SUBDIVISION OF PRIVATE CLAIM 35, ALL LOCATED IN PRIVATE CLAIM 35; CITY OF KAUKAUNA, OUTAGAMIE COUNTY, WISCONSIN.

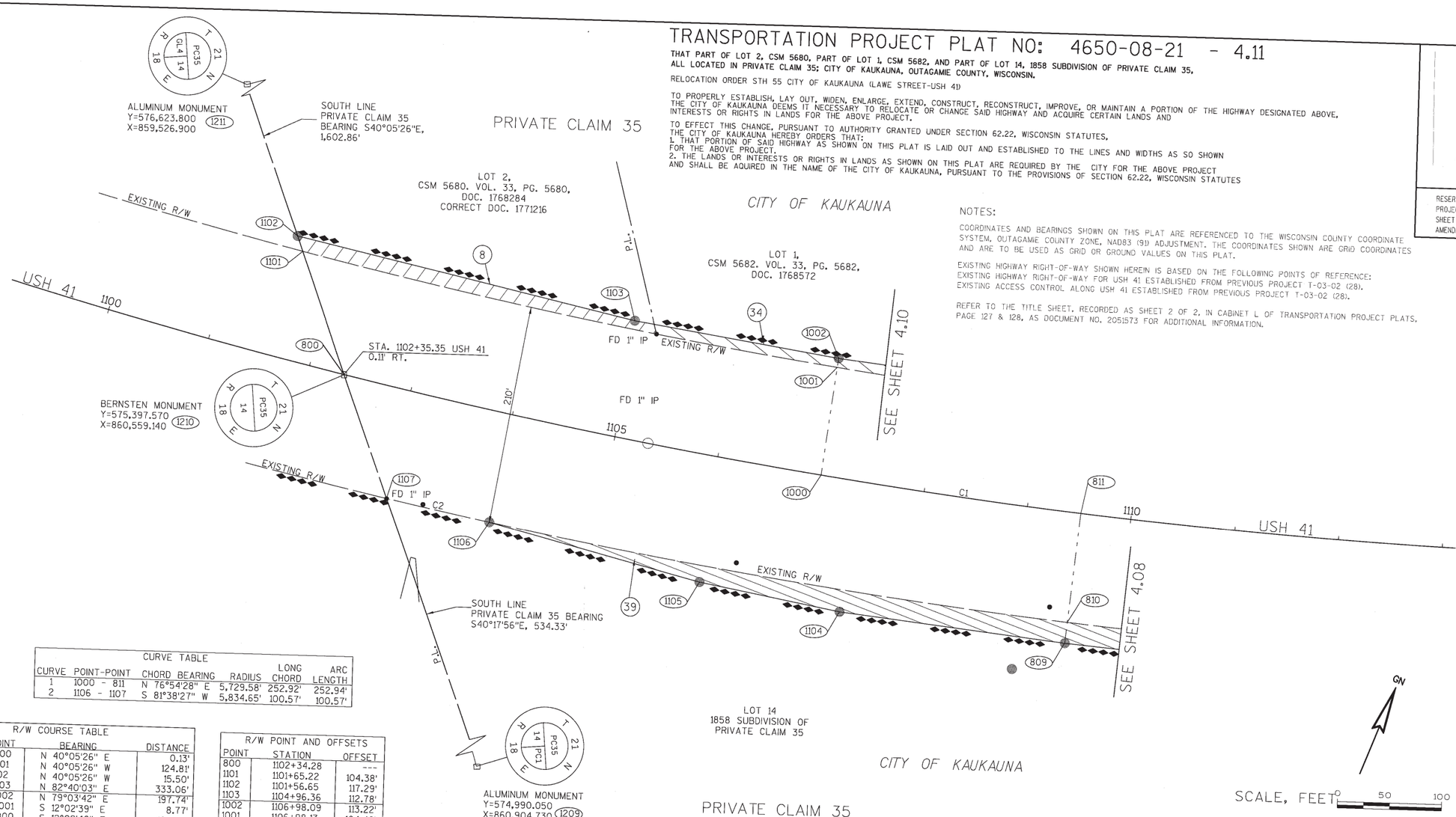
RELOCATION ORDER STH 55 CITY OF KAUKAUNA (LAWE STREET-USH 41)

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

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 62.22, WISCONSIN STATUTES, THE CITY OF KAUKAUNA HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE CITY FOR THE ABOVE PROJECT AND SHALL BE AQUIRED IN THE NAME OF THE CITY OF KAUKAUNA, PURSUANT TO THE PROVISIONS OF SECTION 62.22, WISCONSIN STATUTES

2052088
Recorded
August 19, 2015 2:35 PM
OUTAGAMIE COUNTY
SARAH E VAN CAMP
REGISTER OF DEEDS
Fee Amount: $25.00
Total Pages: 1
Cabinet M Page 10

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 4650-08-21-4.11
SHEET 1 OF 1
AMENDMENT NO:...



NOTES:

COORDINATES AND BEARINGS SHOWN ON THIS PLAT ARE REFERENCED TO THE WISCONSIN COUNTY COORDINATE SYSTEM, OUTAGAMIE COUNTY ZONE, NAD83 (91) ADJUSTMENT. THE COORDINATES SHOWN ARE GRID COORDINATES AND ARE TO BE USED AS GRID OR GROUND VALUES ON THIS PLAT.

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE:
EXISTING HIGHWAY RIGHT-OF-WAY FOR USH 41 ESTABLISHED FROM PREVIOUS PROJECT T-03-02 (28).
EXISTING ACCESS CONTROL ALONG USH 41 ESTABLISHED FROM PREVIOUS PROJECT T-03-02 (28).

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2, IN CABINET L OF TRANSPORTATION PROJECT PLATS, PAGE 127 & 128, AS DOCUMENT NO. 2051573 FOR ADDITIONAL INFORMATION.

CURVE TABLE					
CURVE	POINT-POINT	CHORD BEARING	RADIUS	LONG CHORD	ARC LENGTH
1	1000 - 811	N 76°54'28" E	5,729.58'	252.92'	252.94'
2	1106 - 1107	S 81°38'27" W	5,834.65'	100.57'	100.57'

R/W COURSE TABLE		
POINT-POINT	BEARING	DISTANCE
1210 - 800	N 40°05'26" E	0.13'
800 - 1101	N 40°05'26" W	124.81'
1101 - 1102	N 40°05'26" W	15.50'
1102 - 1103	N 82°40'03" E	333.06'
1103 - 1002	N 79°03'42" E	197.74'
1002 - 1001	S 12°02'39" E	8.77'
1001 - 1000	S 12°02'40" E	104.45'
1000 - 811	SEE CURVE TABLE	---
811 - 810	S 14°21'29" E	105.52'
810 - 809	S 14°21'29" E	20.14'
809 - 1104	S 76°25'49" W	217.97'
1104 - 1105	S 80°37'32" W	136.91'
1105 - 1106	S 84°30'52" W	208.50'
1106 - 1107	SEE CURVE TABLE	---
1107 - 1210	N 40°17'56" W	125.47'

R/W POINT AND OFFSETS		
POINT	STATION	OFFSET
800	1102+34.28	---
1101	1101+65.22	104.38'
1102	1101+56.65	117.29'
1103	1104+96.36	112.78'
1002	1106+98.09	113.22'
1001	1106+98.13	104.46'
1000	1106+98.53	---
811	1109+51.47	---
810	1109+51.47	105.52'
809	1109+51.47	125.66'
1104	1107+38.18	126.73'
1105	1106+04.27	121.52'
1106	1104+00.41	105.59'
1107	1103+01.66	105.60'

USH 41 R/L ROW
P.I.=1094+81.351
Y=575,352.776
X=859,808.006

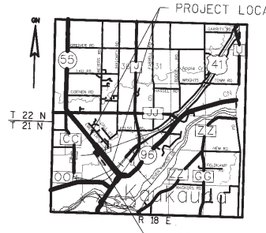
USH 41 R/L ROW
P.I.=1143+99.04
Y=576,715.590
X=864,499.861

CURVE DATA- C1
USH 41 R/L ROW
P.I.=1105+44.00
Y=575,346.391
X=860,870.638
DELTA =21°00'51"
DEGREE =01°00'00"
R = 5729.58'
L. = 2101.42'
T. = 1062.65'
P.C.=1094+81.35
P.T.=1115+82.77

NOTE: OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES AND ARE SUBJECT TO CHANGE PRIOR TO TRANSFER OF LAND INTERESTS TO THE CITY OF KAUKAUNA

SCHEDULE OF LANDS & INTERESTS REQUIRED

PARCEL NUMBER	OWNER (S)	INTEREST REQUIRED	FEE R/W SQ. FT. REQUIRED			T.L.E. SQ FT	P.L.E. SQ FT
			NEW	EXISTING	TOTAL		
8	CITY OF KAUKAUNA	FEE	4,132	---	4,132	---	---
34	MIDWESTERN INVESTMENTS, LLC	FEE	1,614	---	1,614	---	---
39	HURCKMAN HEIGHTS, LLC	FEE	8,364	---	8,364	---	---



PROJECT LOCATION (NOT TO SCALE)

JJ ENGINEERING, INC
Consultant Services

I, MICHAEL D. VANDE HEI, PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE CITY OF KAUKAUNA, I HAVE SURVEYED AND MAPPED TRANSPORTATION PROJECT PLAT 4650-08-21 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

SIGNATURE: _____ DATE:08/05/15
PRINT NAME: MICHAEL D. VANDE HEI
REGISTRATION NUMBER: S-2241

WISCONSIN MICHAEL D. VANDE HEI S-2241 De Pere, WI LAND SURVEYOR

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE CITY OF KAUKAUNA

SIGNATURE John Sundelius DATE: 8/19/15
PRINT NAME: JOHN SUNDELIUS
DIRECTOR OF PUBLIC WORKS

FILE NAME : X:\PROJECTS\OUTAGAMIE\4650-08-00 STH 55\DESIGN\C3D\SHEETSPLAN\TPP PLAT_V12 (2-7).DWG
APPRAISAL PLAT DATE : _____
PLOT DATE : 8/17/2015 9:53 AM
PLOT BY : JEFF ZLATOHLAVEK
PLOT NAME :
PLOT SCALE : ##########

TRANSPORTATION PROJECT PLAT NO: 4650-08-21- 4.11, AMENDMENT NO: 1

AMENDS SECTION CORNER COORDINATES, LEAD IN BEARING AND DISTANCE, REVISE 800 SERIES TO MATCH SHEET 4.08 OF TPP 4650-08-21-4.11. RECORDED AS DOCUMENT 2052088.
THAT PART OF LOT 2, CSM 5680, PART OF LOT 1, CSM 5682, AND PART OF LOT 14, 1858 SUBDIVISION OF PRIVATE CLAIM 35,
ALL LOCATED IN PRIVATE CLAIM 35; CITY OF KAUKAUNA, OUTAGAMIE COUNTY, WISCONSIN.

RELOCATION ORDER STH 55 CITY OF KAUKAUNA (LAWE STREET-USH 41)

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

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 62.22, WISCONSIN STATUTES, THE CITY OF KAUKAUNA HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE CITY FOR THE ABOVE PROJECT AND SHALL BE AQUIRED IN THE NAME OF THE CITY OF KAUKAUNA, PURSUANT TO THE PROVISIONS OF SECTION 62.22, WISCONSIN STATUTES

CITY OF KAUKAUNA

NOTES:

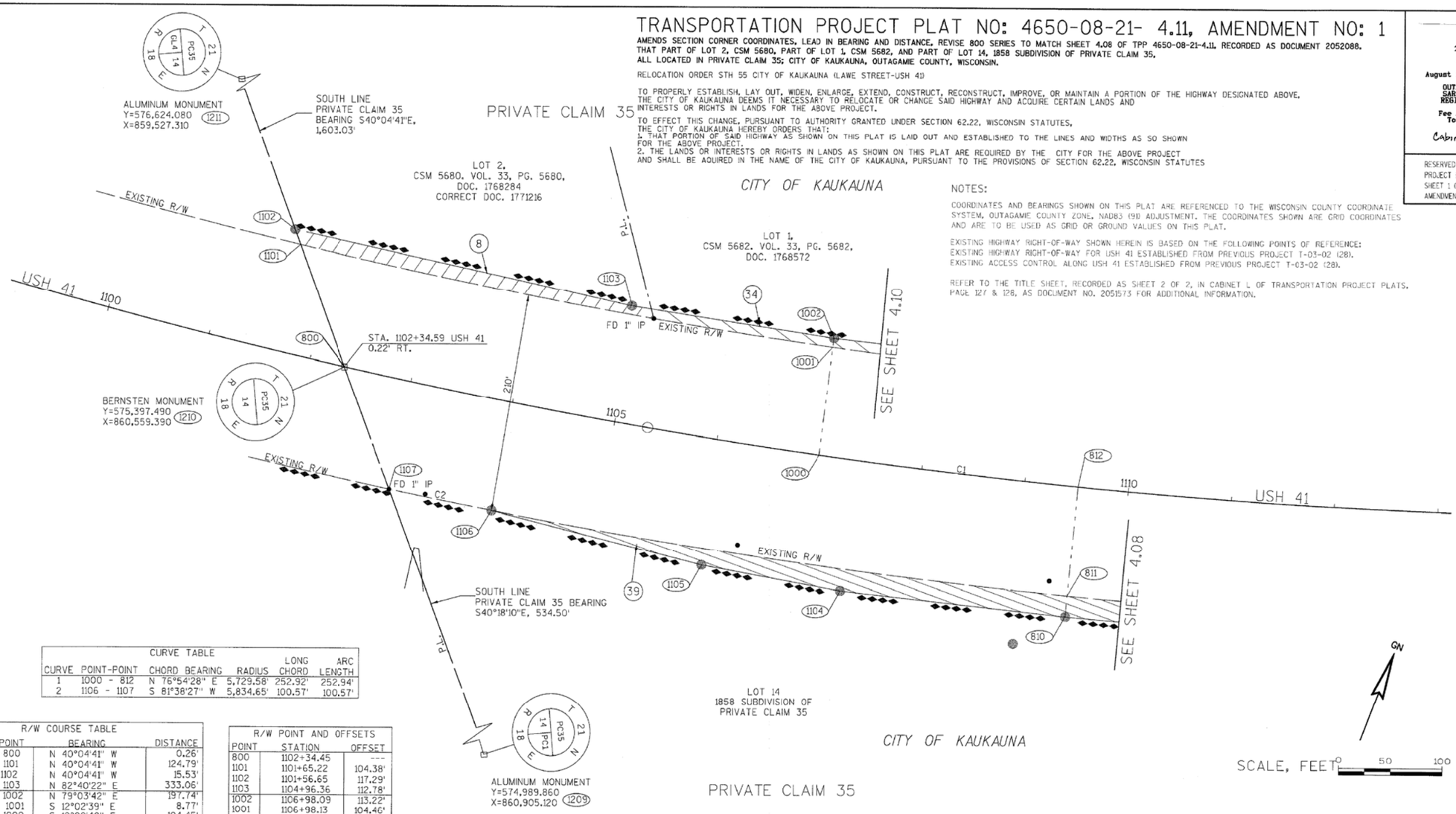
COORDINATES AND BEARINGS SHOWN ON THIS PLAT ARE REFERENCED TO THE WISCONSIN COUNTY COORDINATE SYSTEM, OUTAGAMIE COUNTY ZONE, NAD83 (91) ADJUSTMENT. THE COORDINATES SHOWN ARE GRID COORDINATES AND ARE TO BE USED AS GRID OR GROUND VALUES ON THIS PLAT.

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE:
EXISTING HIGHWAY RIGHT-OF-WAY FOR USH 41 ESTABLISHED FROM PREVIOUS PROJECT T-03-02 (28).
EXISTING ACCESS CONTROL ALONG USH 41 ESTABLISHED FROM PREVIOUS PROJECT T-03-02 (28).

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2, IN CABINET L OF TRANSPORTATION PROJECT PLATS, PAGE 127 & 128, AS DOCUMENT NO. 2051573 FOR ADDITIONAL INFORMATION.

2111930
Recorded
August 15, 2017 12:18 PM
OUTAGAMIE COUNTY
SARAH E VAN CAMP
REGISTER OF DEEDS
Fee Amount: $25.00
Total Pages: 1
Cabinet M, Page 84

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 4650-08-21-4.11
SHEET 1 OF 1
AMENDMENT NO: 1



CURVE TABLE					
CURVE	POINT-POINT	CHORD BEARING	RADIUS	LONG CHORD	ARC LENGTH
1	1000 - 812	N 76°54'28" E	5,729.58'	252.92'	252.94'
2	1106 - 1107	S 81°38'27" W	5,834.65'	100.57'	100.57'

R/W COURSE TABLE		
POINT-POINT	BEARING	DISTANCE
1210 - 800	N 40°04'41" W	0.26'
800 - 1101	N 40°04'41" W	124.79'
1101 - 1102	N 40°04'41" W	15.53'
1102 - 1103	N 82°40'22" E	333.06'
1103 - 1002	N 79°03'42" E	197.74'
1002 - 1001	S 12°02'39" E	8.77'
1001 - 1000	S 12°02'40" E	104.45'
1000 - 812	SEE CURVE TABLE	---
812 - 811	S 14°21'29" E	105.52'
811 - 810	S 14°21'29" E	20.14'
810 - 1104	S 76°25'49" W	217.97'
1104 - 1105	S 80°37'32" W	136.91'
1105 - 1106	S 84°30'52" W	208.50'
1106 - 1107	SEE CURVE TABLE	---
1107 - 1210	N 40°17'56" W	125.47'

R/W POINT AND OFFSETS		
POINT	STATION	OFFSET
800	1102+34.45	---
1101	1101+65.22	104.38'
1102	1101+56.65	117.29'
1103	1104+96.36	112.78'
1002	1106+98.09	113.22'
1001	1106+98.13	104.46'
1000	1106+98.53	---
812	1109+51.47	---
811	1109+51.47	105.52'
810	1109+51.47	125.66'
1104	1107+38.18	126.73'
1105	1106+04.27	121.52'
1106	1104+00.41	105.59'
1107	1103+01.66	105.60'

NOTE: OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES AND ARE SUBJECT TO CHANGE PRIOR TO TRANSFER OF LAND INTERESTS TO THE CITY OF KAUKAUNA

SCHEDULE OF LANDS & INTERESTS REQUIRED

PARCEL NUMBER	OWNER (S)	INTEREST REQUIRED	FEE R/W SQ. FT. REQUIRED NEW	EXISTING	TOTAL	T.L.E. SQ FT	P.L.E. SQ FT
8	CITY OF KAUKAUNA	FEE	4,132	---	4,132	---	---
34	MIDWESTERN INVESTMENTS, LLC	FEE	1,614	---	1,614	---	---
39	HURCKMAN HEIGHTS, LLC	FEE	8,364	---	8,364	---	---

USH 41 R/L ROW
P.I.=1094+81.351
Y=575,352.776
X=859,808.006

USH 41 R/L ROW
P.I.=1143+99.04
Y=576,715.590
X=864,499.861

CURVE DATA- C1
USH 41 R/L ROW
P.I.=1105+44.00
Y=575,346.391
X=860,870.638
DELTA =21°00'51"
DEGREE =01°00'00"
R = 5729.58'
L. = 2101.42'
T. = 1062.65'
P.C.=1094+81.35
P.T.=1115+82.77

JJ ENGINEERING, INC
Consultant Services

I, MICHAEL D. VANDE HEI, PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE CITY OF KAUKAUNA, I HAVE SURVEYED AND MAPPED TRANSPORTATION PROJECT PLAT 4650-08-21 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

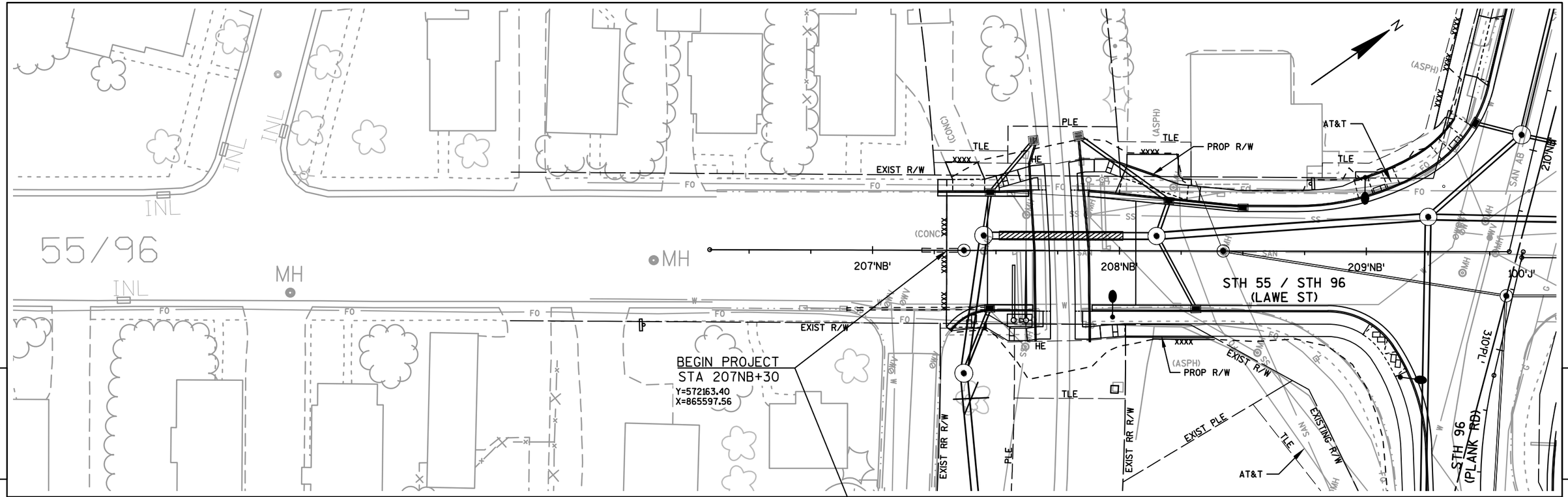
SIGNATURE: _____ DATE: 8/4/17
PRINT NAME: MICHAEL D. VANDE HEI
REGISTRATION NUMBER: S-2241

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE CITY OF KAUKAUNA

SIGNATURE: _____ DATE: 8/4/17
PRINT NAME: JOHN SUNDELIUS
DIRECTOR OF PUBLIC WORKS

WISCONSIN MICHAEL D. VANDE HEI S-2241 De Pere, WI LAND SURVEYOR

FILE NAME : X:\PROJECTS\OUTAGAMIE\4650-08-00 STH 55\DESIGN\C3D\SHEETSPLAN\TPP PLAT_V12 (2-7).DWG
APPRAISAL PLAT DATE : _____
PLOT DATE : 8/1/2017 7:17 AM
PLOT BY : JEFF ZLATOHLAVEK
PLOT NAME :
PLOT SCALE : 1.0000



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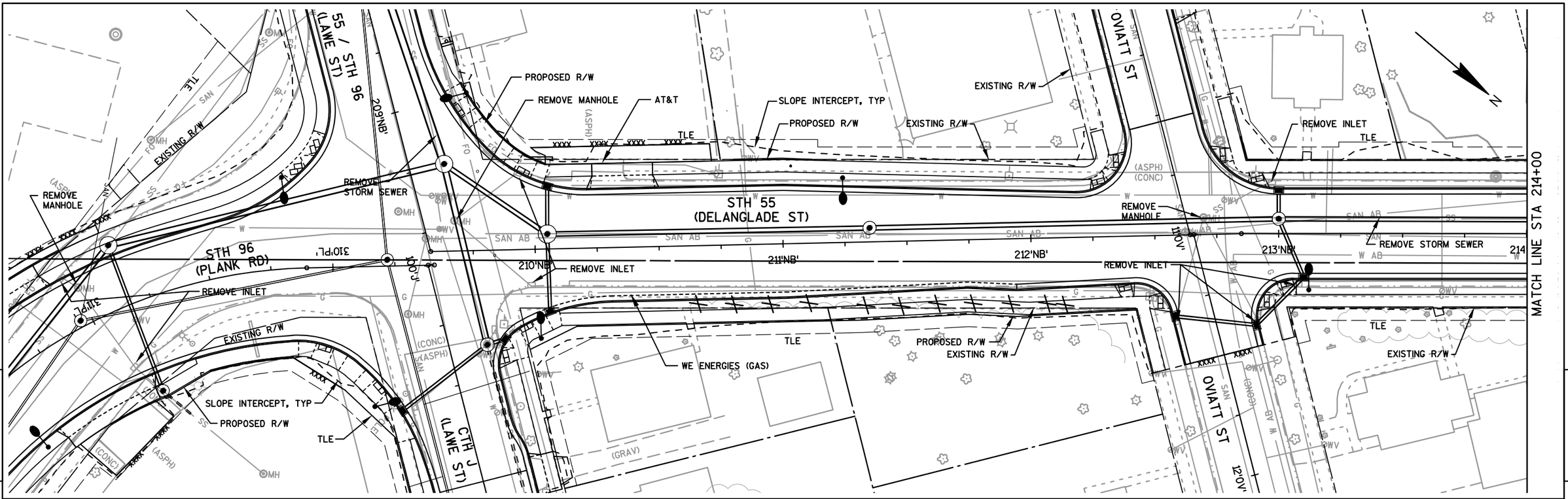
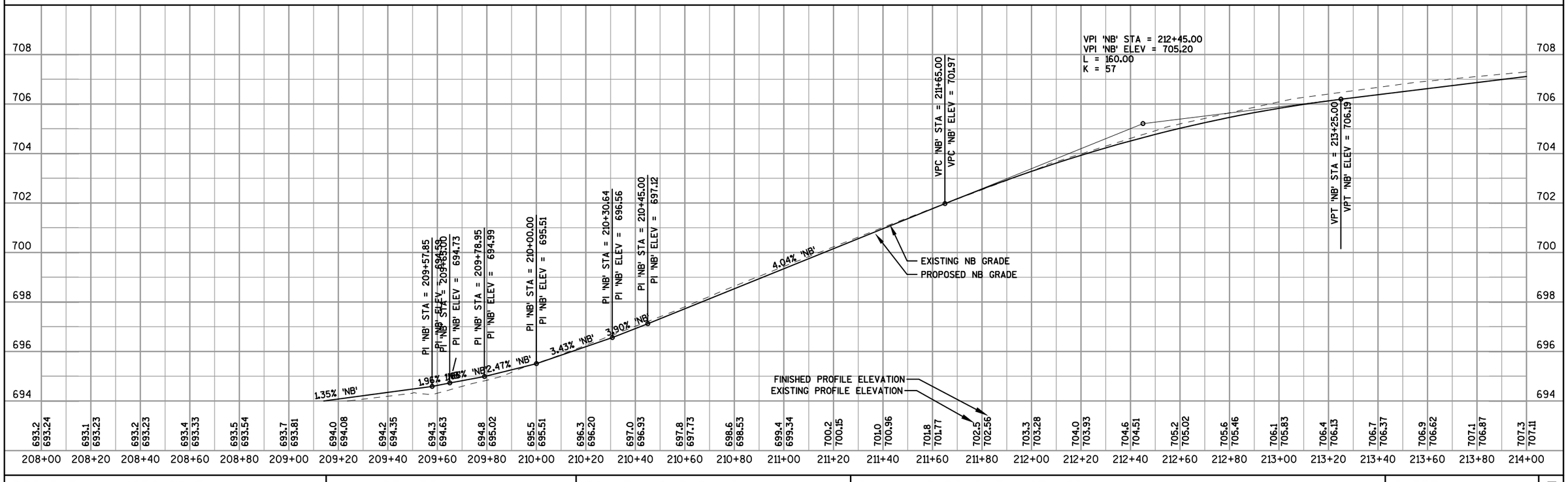
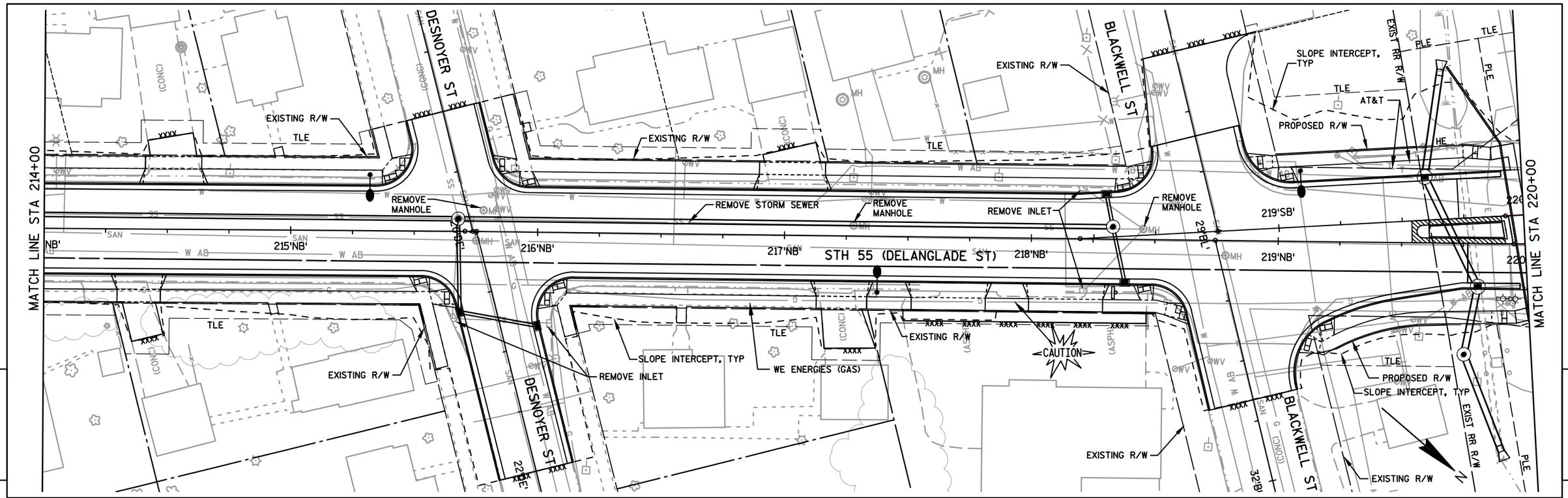
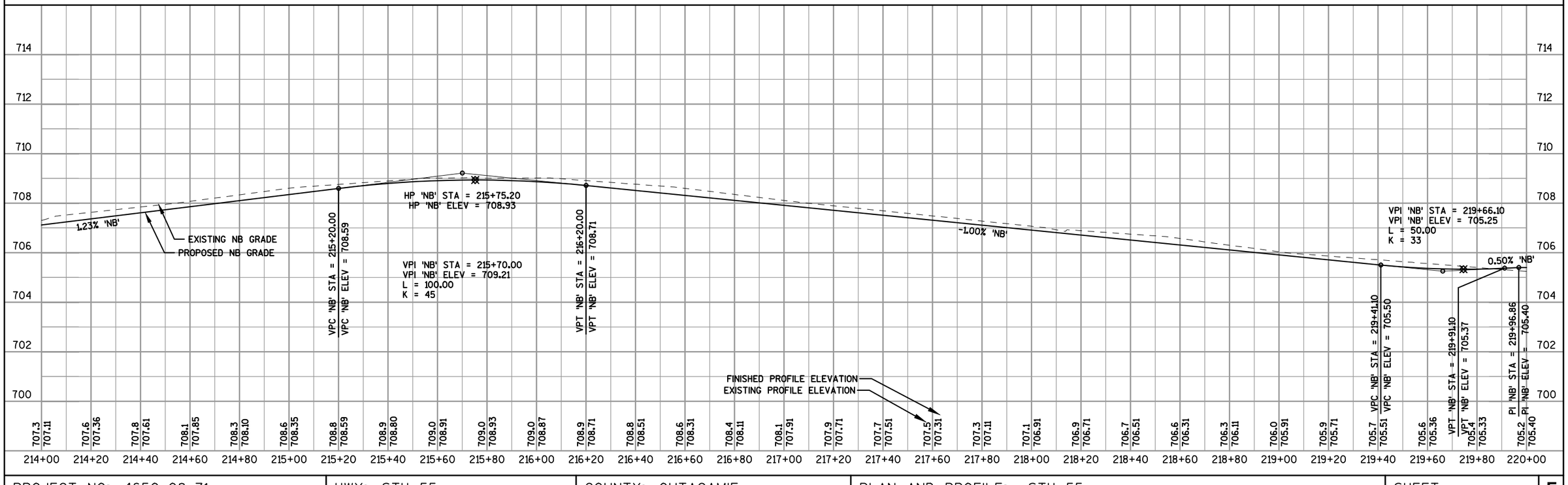
PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	PLAN AND PROFILE: STH 55 / STH 96 (LAWE STREET)	SHEET 342	E





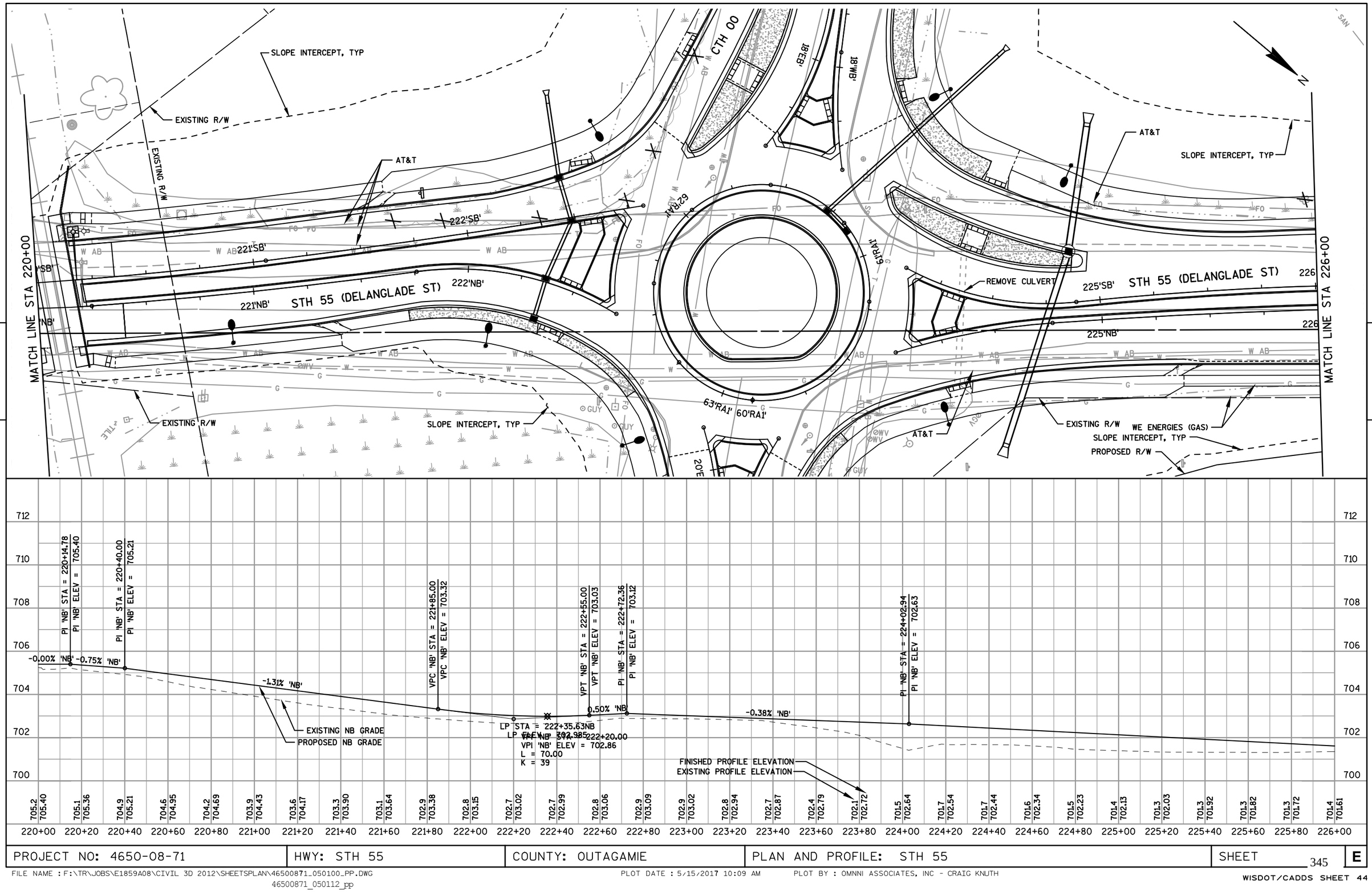
PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	PLAN AND PROFILE: STH 55	SHEET 343	E





PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	PLAN AND PROFILE: STH 55	SHEET 344	E

FILE NAME : F:\TR\JOBS\E1859A08\CIVIL 3D 2012\SHEETSPLAN\46500871_050100_PP.DWG
46500871_050111_pp
PLOT DATE : 5/15/2017 10:09 AM
PLOT BY : OMNNI ASSOCIATES, INC - CRAIG KNUTH
WISDOT/CADDS SHEET 44



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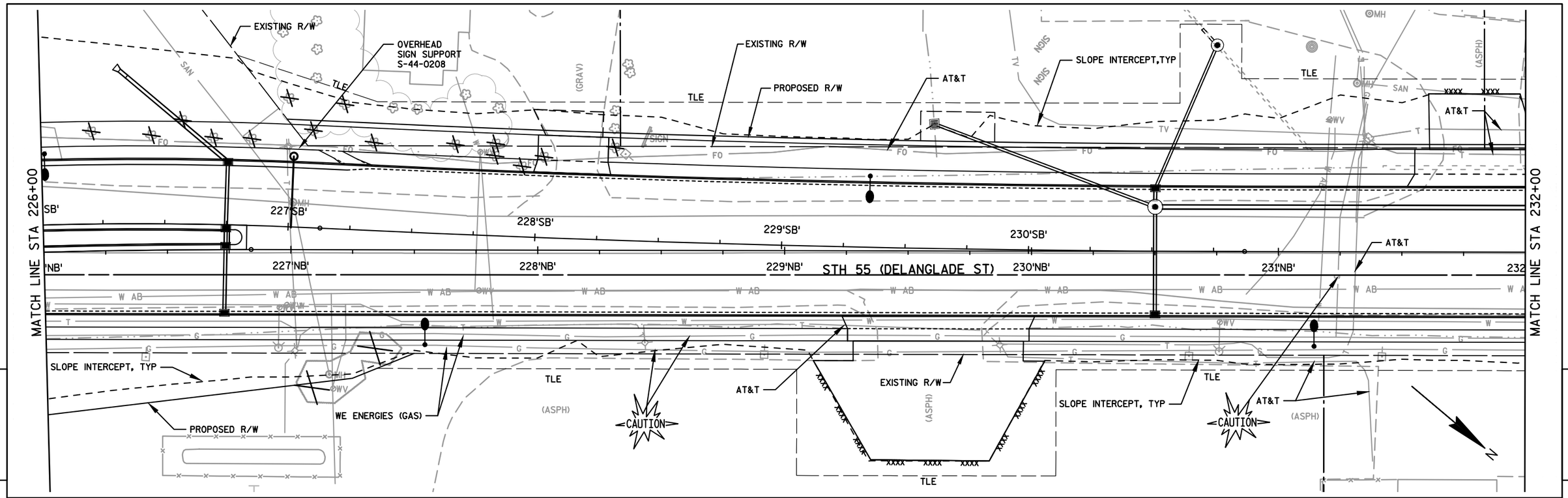
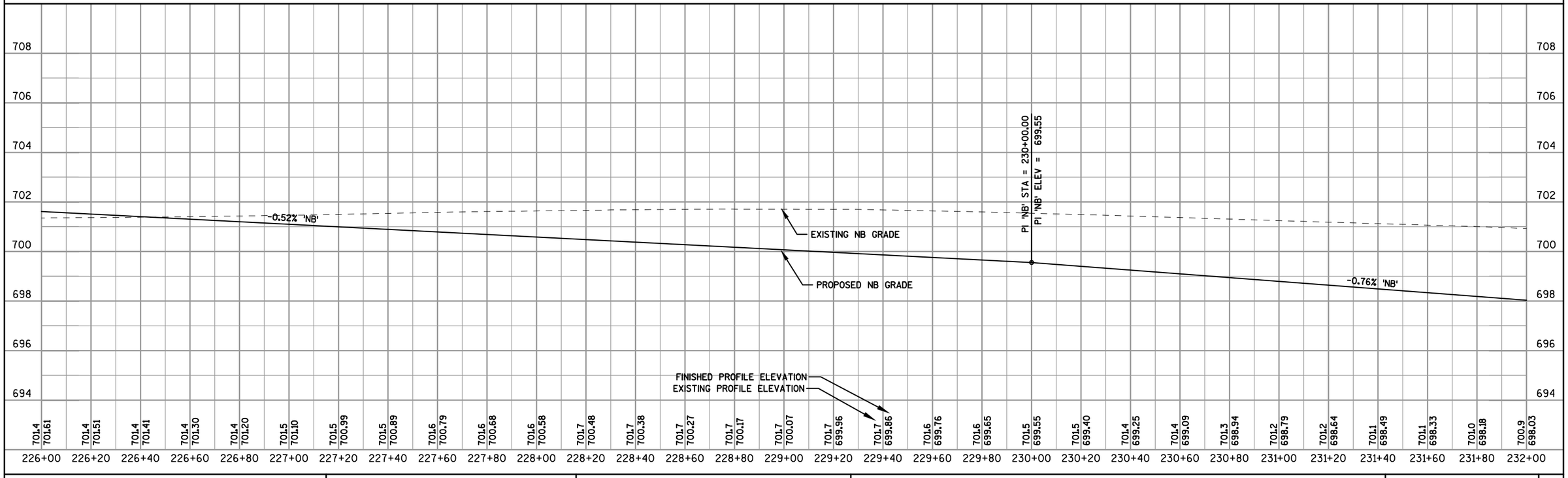
5

PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	PLAN AND PROFILE: STH 55	SHEET 345	E





PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	PLAN AND PROFILE: STH 55	SHEET 346	E

MATCH LINE STA 232+00

MATCH LINE STA 238+00

STH 55 (DELANGLADE ST)

BADGER ROAD

AT&T

TLE

PLE

PROPOSED R/W

SLOPE INTERCEPT, TYP

EXISTING R/W

REMOVE MANHOLE

REMOVE STORM SEWER

ABANDONED 10" SANITARY

233'NB' 234'NB' 235'NB' 236'NB' 237'NB'

W AB

SAN

SAN AB

SS

FO

NVS

MH

(ASPH)

(CONC)

WE ENERGIES (GAS)

PROPOSED R/W

SLOPE INTERCEPT, TYP

EXISTING R/W

SIGN

XXXX (CI)

XXXX (CI)

PI 'NB' STA = 232+75.00
PI 'NB' ELEV = 697.46

VPC 'NB' STA = 233+00.00
VPC 'NB' ELEV = 697.33

VPT 'NB' STA = 234+00.00
VPT 'NB' ELEV = 697.30

-0.53% 'NB'

EXISTING NB GRADE

PROPOSED NB GRADE

0.49% 'NB'

LP STA = 233+52.35NB
LP ELEV = 697.187

VPI 'NB' STA = 233+50.00
VPI 'NB' ELEV = 697.06
L = 100.00
K = 98

FINISHED PROFILE ELEVATION
EXISTING PROFILE ELEVATION

706	704	702	700	698	696	694	692

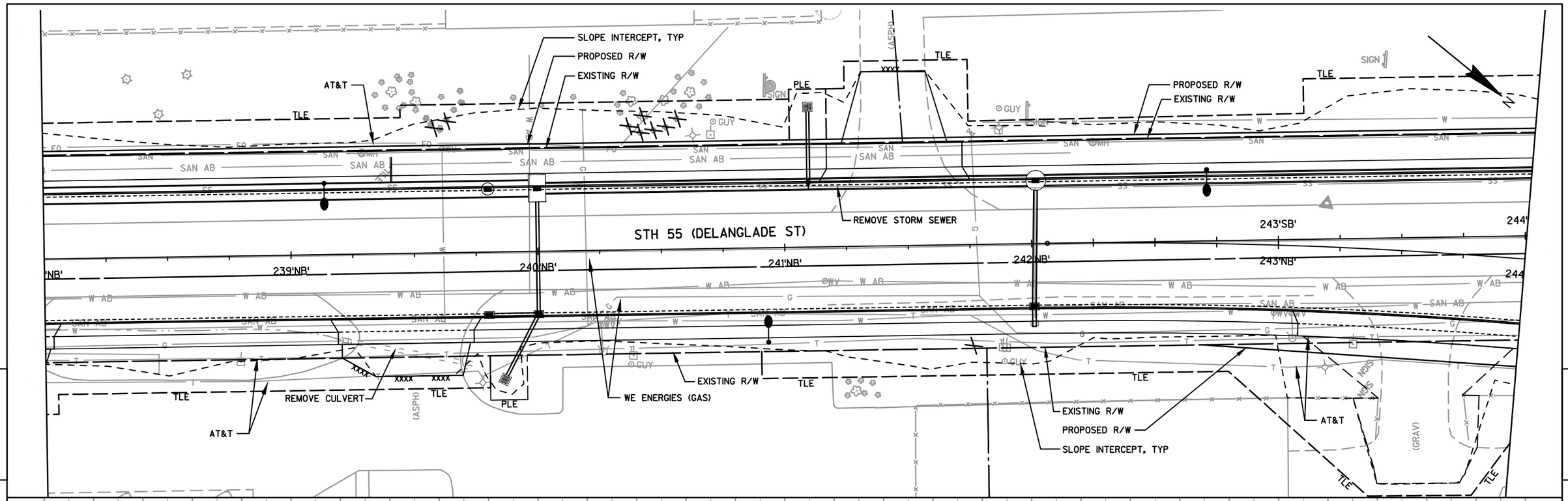
232+00	232+20	232+40	232+60	232+80	233+00	233+20	233+40	233+60	233+80	234+00	234+20	234+40	234+60	234+80	235+00	235+20	235+40	235+60	235+80	236+00	236+20	236+40	236+60	236+80	237+00	237+20	237+40	237+60	237+80	238+00
700.9	700.8	700.8	700.7	700.6	700.5	700.4	700.3	700.2	700.1	700.0	699.9	699.9	699.8	699.8	699.7	699.6	699.6	699.6	699.6	699.6	699.6	699.7	699.7	699.7	699.7	699.8	699.9	700.1	700.3	700.5
698.03	697.88	697.73	697.57	697.43	697.33	697.24	697.19	697.19	697.23	697.30	697.40	697.50	697.59	697.69	697.79	697.89	697.98	698.08	698.18	698.27	698.37	698.47	698.56	698.66	698.76	698.86	698.95	699.05	699.15	699.24

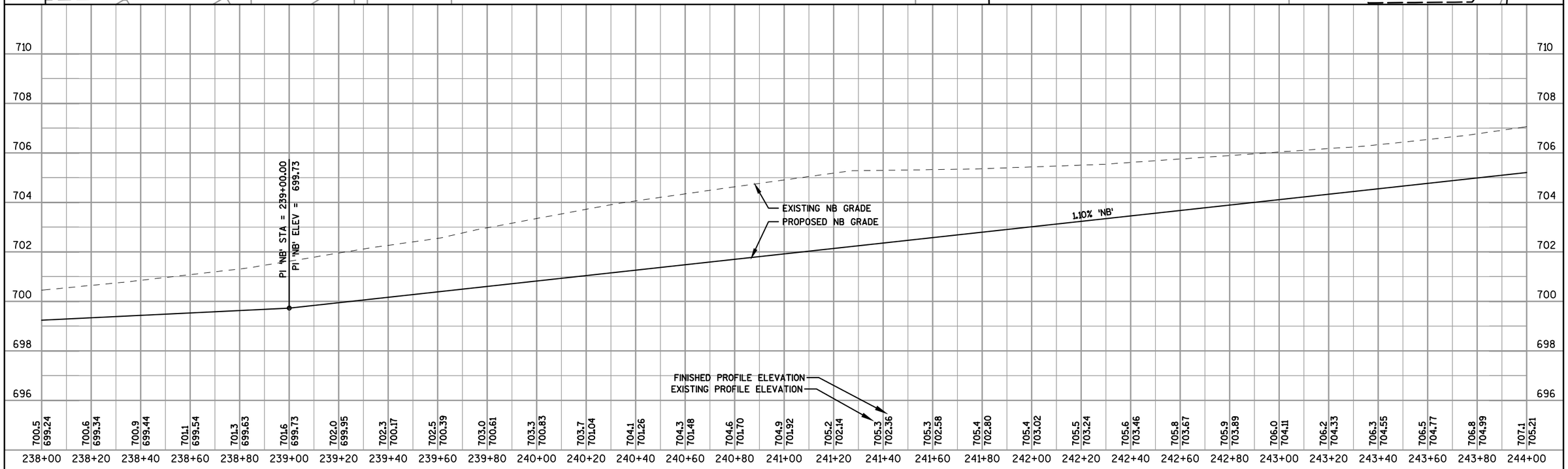
PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	PLAN AND PROFILE: STH 55	SHEET 347	E

FILE NAME : F:\TR\JOBS\E1859A08\CIVIL 3D 2012\SHEETSPLAN\46500871_050100_PP.DWG
46500871_050114_pp

PLOT DATE : 5/15/2017 10:10 AM PLOT BY : OMNNI ASSOCIATES, INC - CRAIG KNUTH

WISDOT/CADDS SHEET 44





PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	PLAN AND PROFILE: STH 55	SHEET 348	E

5

MATCH LINE STA 244+00

MATCH LINE STA 250+00

STH 55 (DELANGLADE ST)

PROPOSED R/W

TIME WARNER CABLE

SLOPE INTERCEPT, TYP

EXISTING R/W

TLE

AT&T

REMOVE MANHOLE

247'SB'

246'SB'

245'SB'

247'NB'

246'NB'

245'NB'

REMOVE STORM SEWER

GERTRUDE ST

WE ENERGIES (GAS)

OVERHEAD SIGN SUPPORT S-44-0206

R-44-0026

N

VPI 'NB' STA = 246+00.00
VPI 'NB' ELEV = 707.40
L = 100.00
K = 117

VPI 'NB' STA = 247+25.00
VPI 'NB' ELEV = 709.83
L = 100.00
K = 41

VPC 'NB' STA = 245+50.00
VPC 'NB' ELEV = 706.85

VPT 'NB' STA = 246+50.00
VPT 'NB' ELEV = 708.37

VPC 'NB' STA = 246+75.00
VPC 'NB' ELEV = 708.86

VPT 'NB' STA = 247+75.00
VPT 'NB' ELEV = 709.58

PI 'NB' STA = 247+91.82
PI 'NB' ELEV = 709.50

PI 'NB' STA = 249+51.30
PI 'NB' ELEV = 709.21

HP 'NB' STA = 247+57.57
HP 'NB' ELEV = 709.64

1.95% 'NB'

-0.50% 'NB'

EXISTING NB GRADE

PROPOSED NB GRADE

FINISHED PROFILE ELEVATION

EXISTING PROFILE ELEVATION

716 714 712 710 708 706 704

707.1 705.21 | 707.3 705.43 | 707.5 705.65 | 707.7 705.87 | 708.0 706.09 | 708.2 706.30 | 708.6 706.52 | 708.9 706.74 | 709.3 706.97 | 709.6 707.22 | 710.0 707.51 | 710.3 707.83 | 710.6 708.18 | 710.7 708.57 | 710.8 708.95 | 710.9 709.27 | 711.0 709.49 | 711.1 709.61 | 711.4 709.63 | 711.7 709.56 | 711.8 709.49 | 711.8 709.45 | 711.8 709.41 | 711.8 709.38 | 711.8 709.34 | 711.8 709.30 | 711.8 709.27 | 711.7 709.23 | 711.7 709.26 | 711.8 709.38 | 712.2 709.49

244+00 244+20 244+40 244+60 244+80 245+00 245+20 245+40 245+60 245+80 246+00 246+20 246+40 246+60 246+80 247+00 247+20 247+40 247+60 247+80 248+00 248+20 248+40 248+60 248+80 249+00 249+20 249+40 249+60 249+80 250+00

PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	PLAN AND PROFILE: STH 55	SHEET 349	E

WE ENERGIES (GAS)
SLOPE INTERCEPT, TYP
PROPOSED R/W
OVERHEAD SIGN SUPPORT S-44-0205
REMOVE CULVERT
EXISTING R/W
IH 41 NB OFF RAMP
MATCH LINE STA 250+00
MATCH LINE STA 256+00
STH 55 (DELANGLADE ST)
IH 41 NB ON RAMP
OVERHEAD SIGN SUPPORT S-44-0204
REMOVE CULVERT
AT&T
EXISTING R/W
TIME WARNER CABLE
TDS METROCOM
250'SB'
251'SB'
252'SB'
253'SB'
251'NB'
252'NB'
253'NB'
82'RA3'
83'RA3'
81'RA3'
84'RA3'
80'RA3'
SIGN
N

PI 'NB' STA = 253+65.29
PI 'NB' ELEV = 711.62
PI 'NB' STA = 255+24.02
PI 'NB' ELEV = 710.23
0.58% 'NB'
-0.88% 'NB'
EXISTING NB GRADE
PROPOSED NB GRADE
FINISHED PROFILE ELEVATION
EXISTING PROFILE ELEVATION

250+00	250+20	250+40	250+60	250+80	251+00	251+20	251+40	251+60	251+80	252+00	252+20	252+40	252+60	252+80	253+00	253+20	253+40	253+60	253+80	254+00	254+20	254+40	254+60	254+80	255+00	255+20	255+40	255+60	255+80	256+00
712.2	712.4	712.4	712.4	712.4	712.4	712.3	712.3	712.2	712.0	712.0	711.3	709.6	708.0	707.0	707.8	710.2	711.5	711.6	711.5	711.5	711.4	711.1	710.8	710.6	710.2	709.9	710.2	710.2	710.1	710.1
709.49	709.61	709.73	709.84	709.96	710.08	710.19	710.31	710.42	710.54	710.66	710.77	710.89	711.01	711.12	711.24	711.36	711.47	711.59	711.49	711.32	711.14	710.97	710.79	710.62	710.44	710.27	710.07	709.88	709.68	709.49

PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	PLAN AND PROFILE: STH 55	SHEET 350	E

FILE NAME : F:\TR\JOBS\E1859A08\CIVIL 3D 2012\SHEETSPLAN\46500871_050100_PP.DWG
46500871_050117_pp
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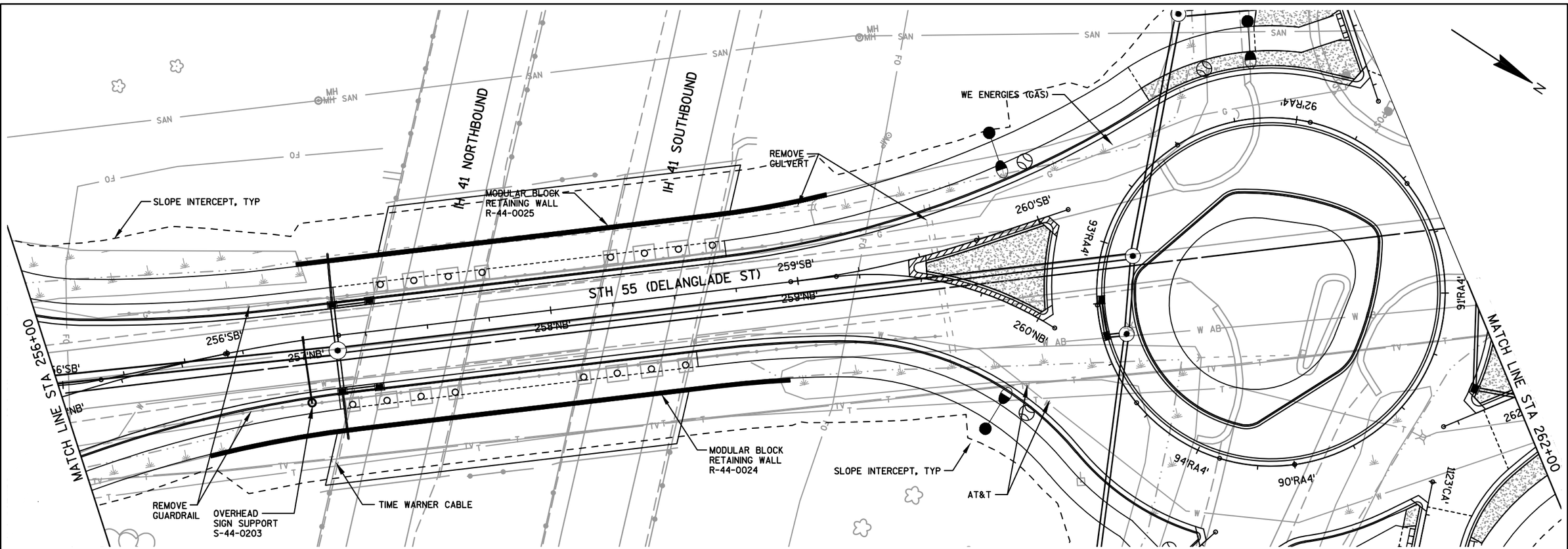
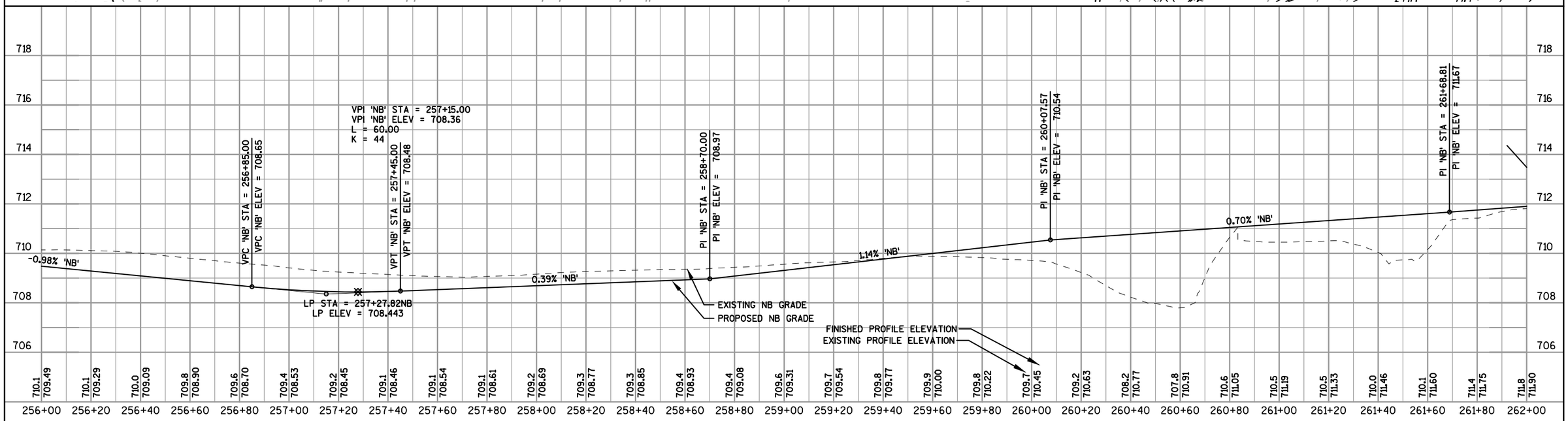
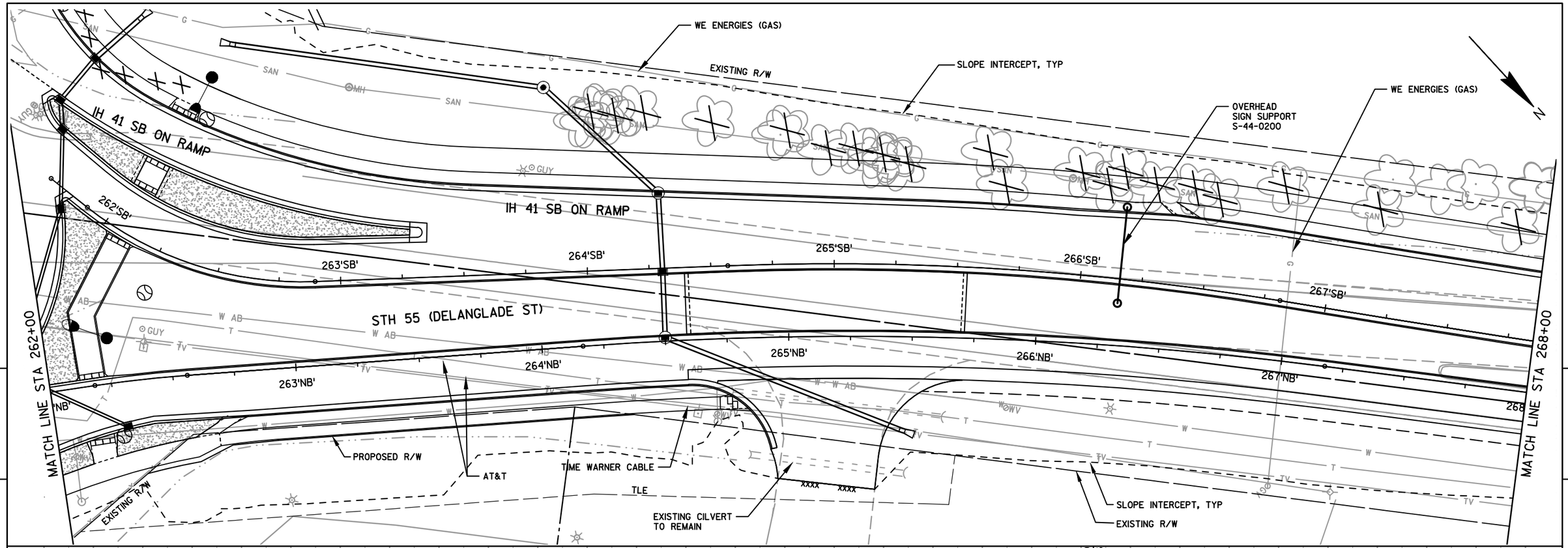
PLOT BY : OMNNI ASSOCIATES, INC - CRAIG KNUTH
WISDOT/CADDS SHEET 44





PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	PLAN AND PROFILE: STH 55	SHEET 351	E



PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	PLAN AND PROFILE: STH 55	SHEET 352	E

MATCH LINE STA 268+00

SLOPE INTERCEPT, TYP

EXISTING R/W

TLE

ARBOR WAY

REMOVE CURB AND GUTTER

TLE

WE ENERGIES (GAS)

268'SB' 269'SB' 270'SB' 271'SB' 272'SB'

STH 55 (DELANGLADE ST)

'NB' 269'NB' 270'NB' 271'NB' 272'NB'

SLOPE INTERCEPT, TYP

EXISTING R/W

AT&T

TIME WARNER CABLE

END PROJECT
STA 217'NB'+50
Y=577026.97
X=861769.37

5

5

PI 'NB' STA = 268+35.06
PI 'NB' ELEV = 718.87

-4.00% 'NB'

EXISTING NB GRADE

PROPOSED NB GRADE

EXISTING PROFILE ELEVATION

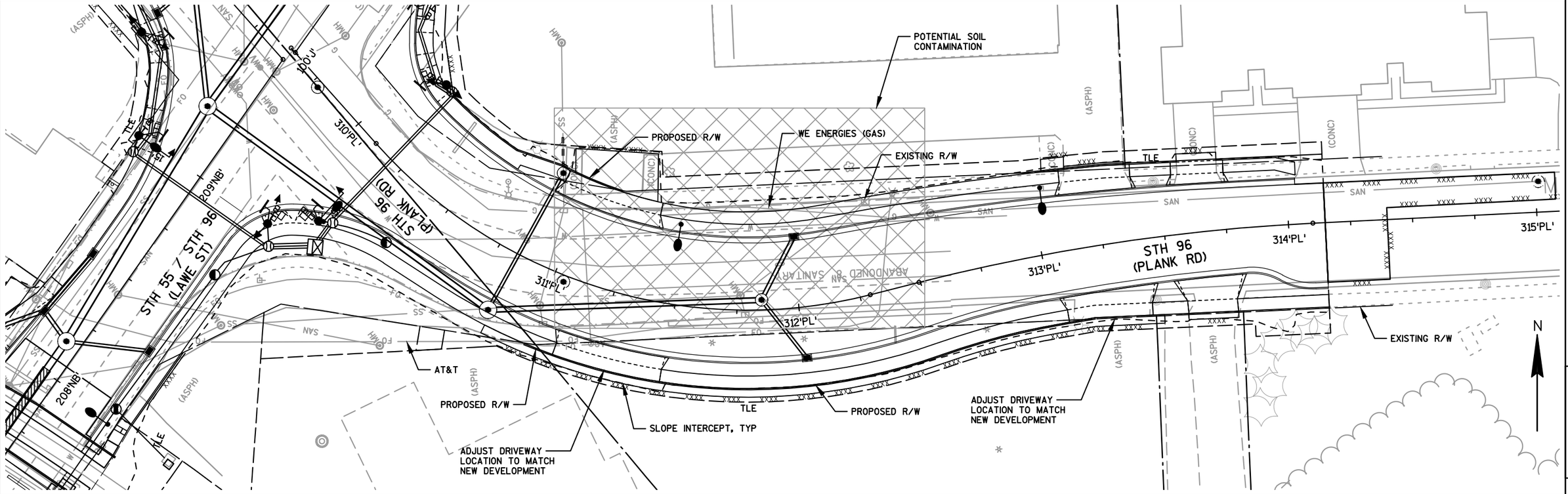
FINISHED PROFILE ELEVATION

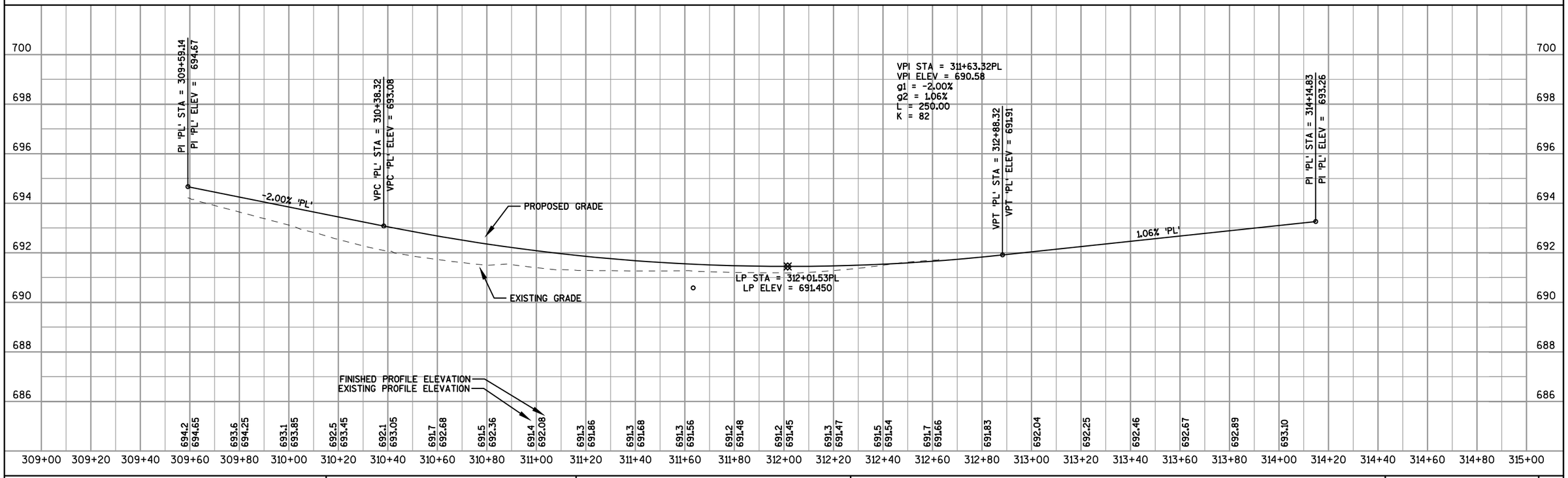
728 726 724 722 720 718 716 714

718.8 718.73 718.9 718.81 718.9 718.8 718.8 718.7 718.7 718.7 718.6 718.5 718.3 718.2 718.1 718.0 717.9 717.8 717.6 717.4 717.3 717.2 717.0 716.9 716.8 716.8

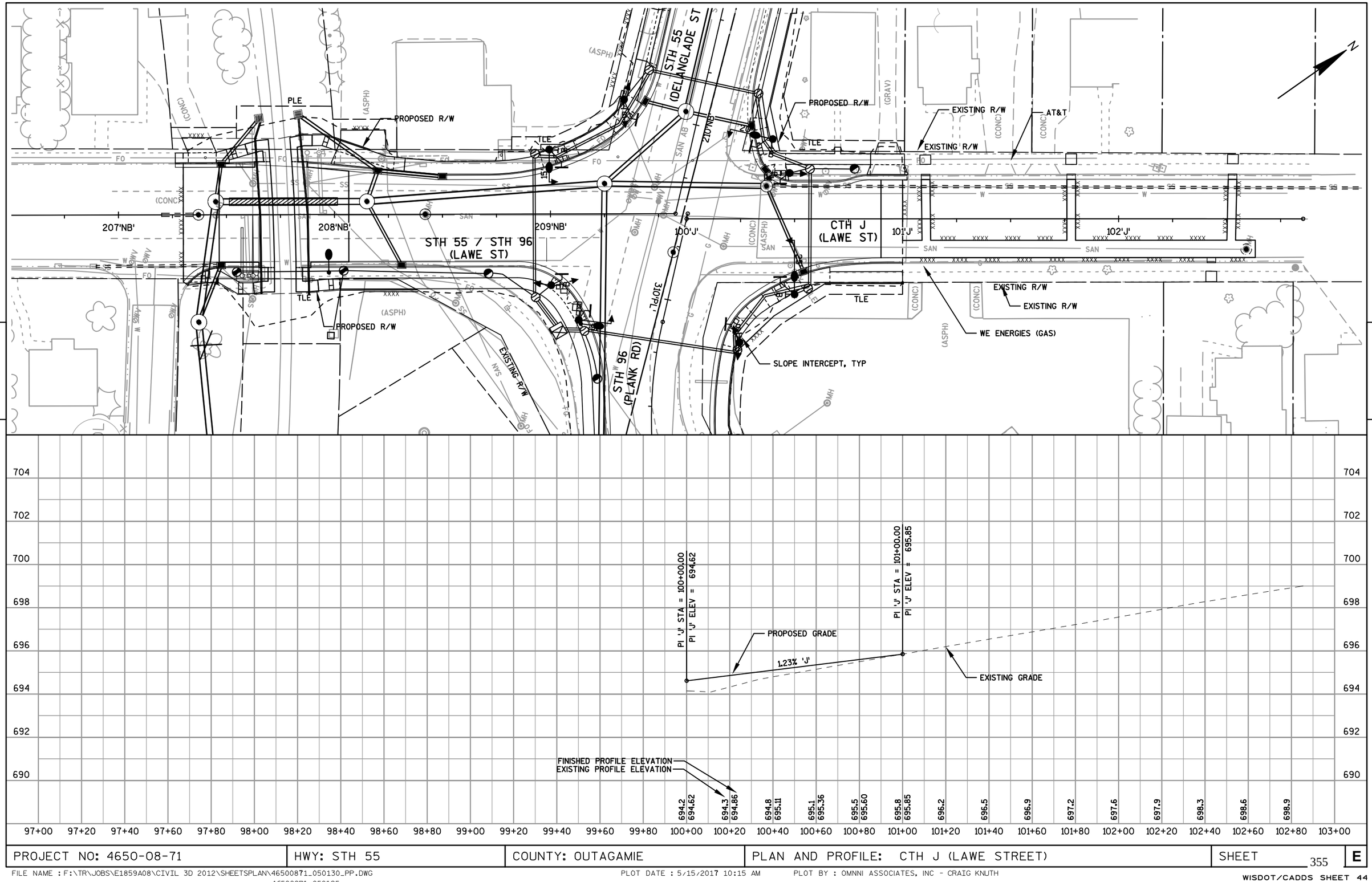
268+00 268+20 268+40 268+60 268+80 269+00 269+20 269+40 269+60 269+80 270+00 270+20 270+40 270+60 270+80 271+00 271+20 271+40 271+60 271+80 272+00 272+20 272+40 272+60 272+80 273+00 273+20 273+40 273+60 273+80 274+00

PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	PLAN AND PROFILE: STH 55	SHEET 353	E





PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	PLAN AND PROFILE: STH 96 (PLANK ROAD)	SHEET 354	E



PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	PLAN AND PROFILE: CTH J (LAWE STREET)	SHEET 355	E

FILE NAME : F:\TR\JOBS\E1859A08\CIVIL 3D 2012\SHEETSPLAN\46500871_050130_PP.DWG
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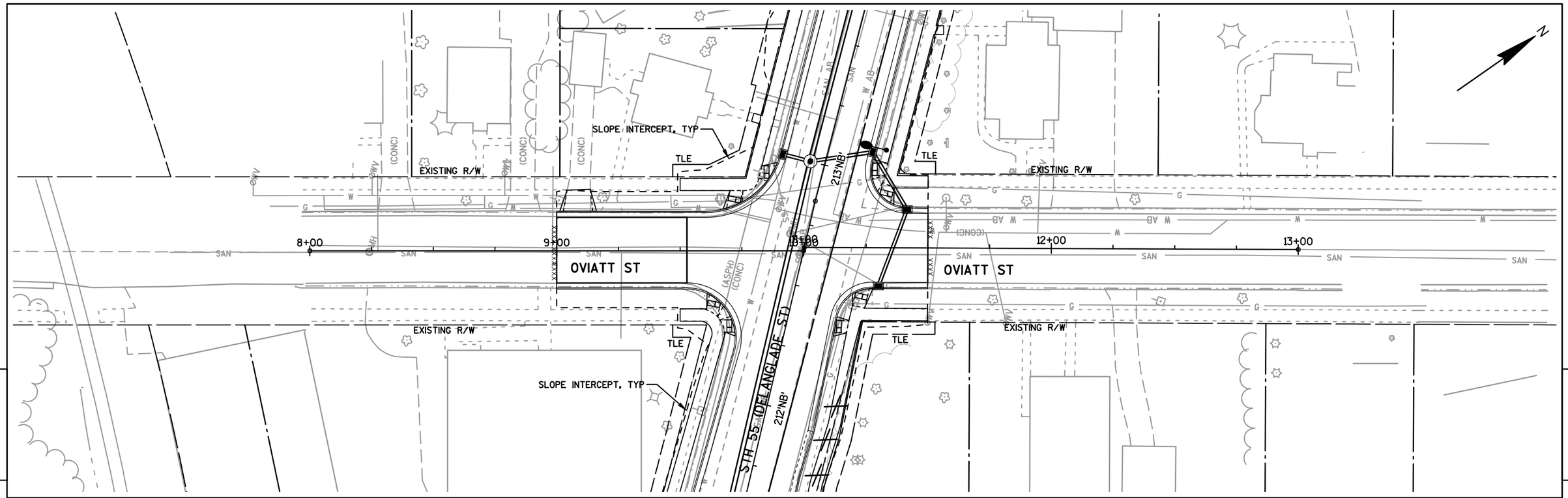
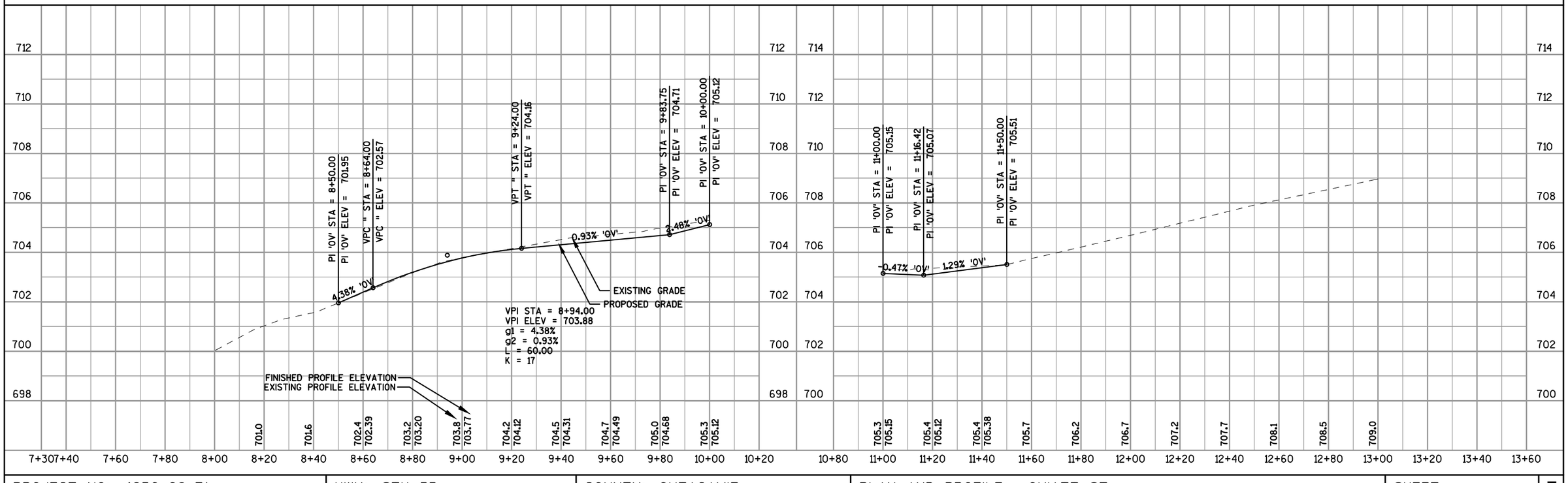
PLOT DATE : 5/15/2017 10:15 AM PLOT BY : OMNNI ASSOCIATES, INC - CRAIG KNUTH

WISDOT/CADDS SHEET 44



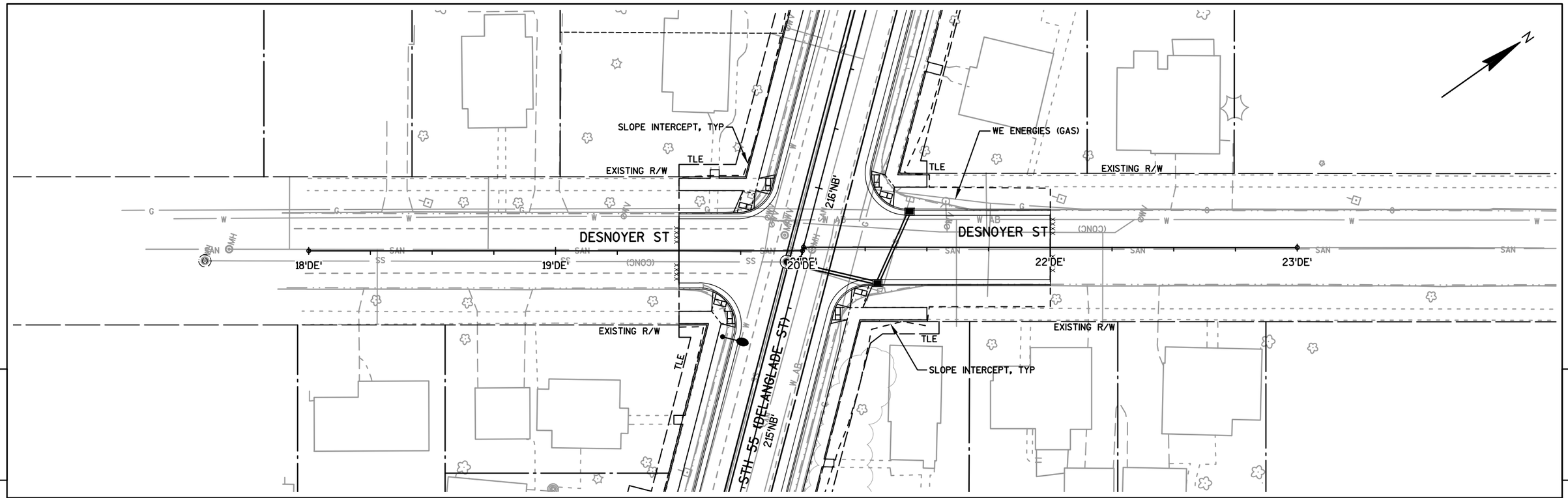


PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	PLAN AND PROFILE: OVIATT ST	SHEET 356	E

FILE NAME : F:\TR\JOBS\E1859A08\CIVIL 3D 2012\SHEETSPLAN\46500871_050130_PP.DWG
46500871_050130_pp

PLOT DATE : 5/15/2017 10:15 AM PLOT BY : OMNNI ASSOCIATES, INC - CRAIG KNUTH

WISDOT/CADDS SHEET 44

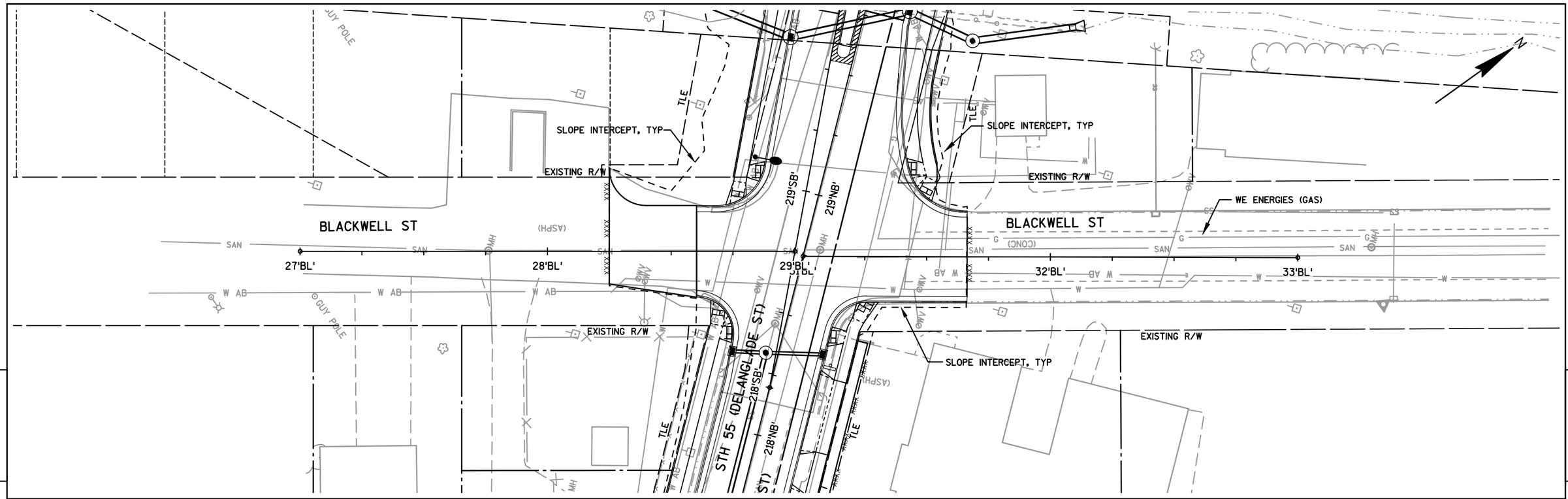


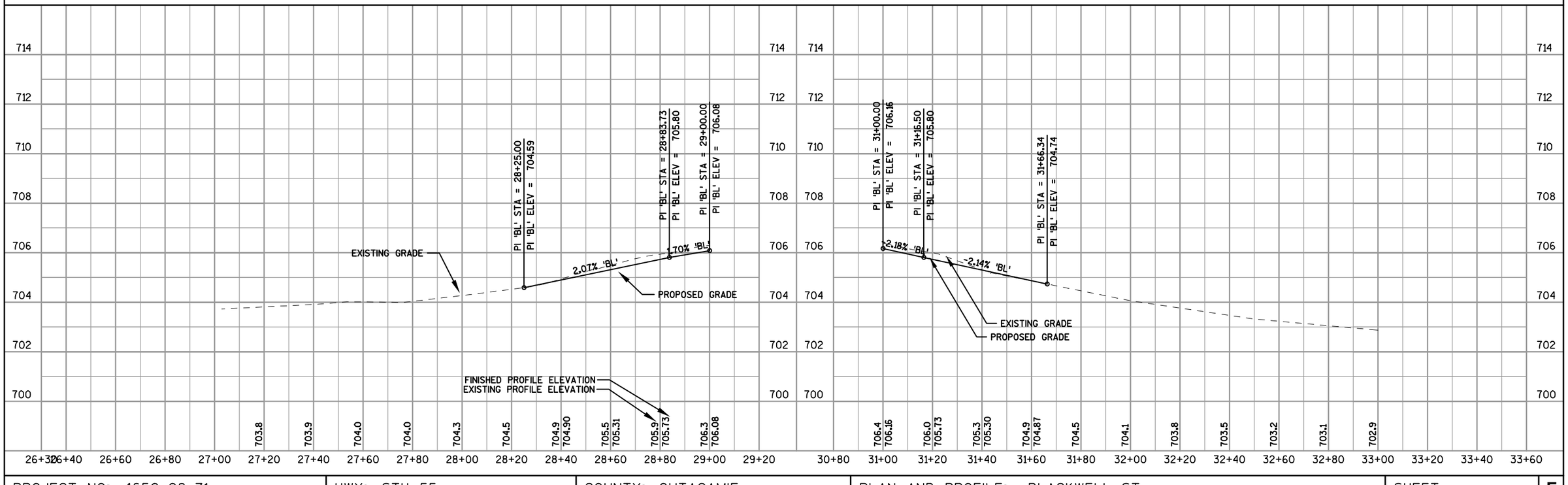
PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	PLAN AND PROFILE: DESNOYER ST	SHEET 357	E

FILE NAME : F:\TR\JOBS\E1859A08\CIVIL 3D 2012\SHEETSPLAN\46500871_050130_PP.DWG
46500871_050135_pp

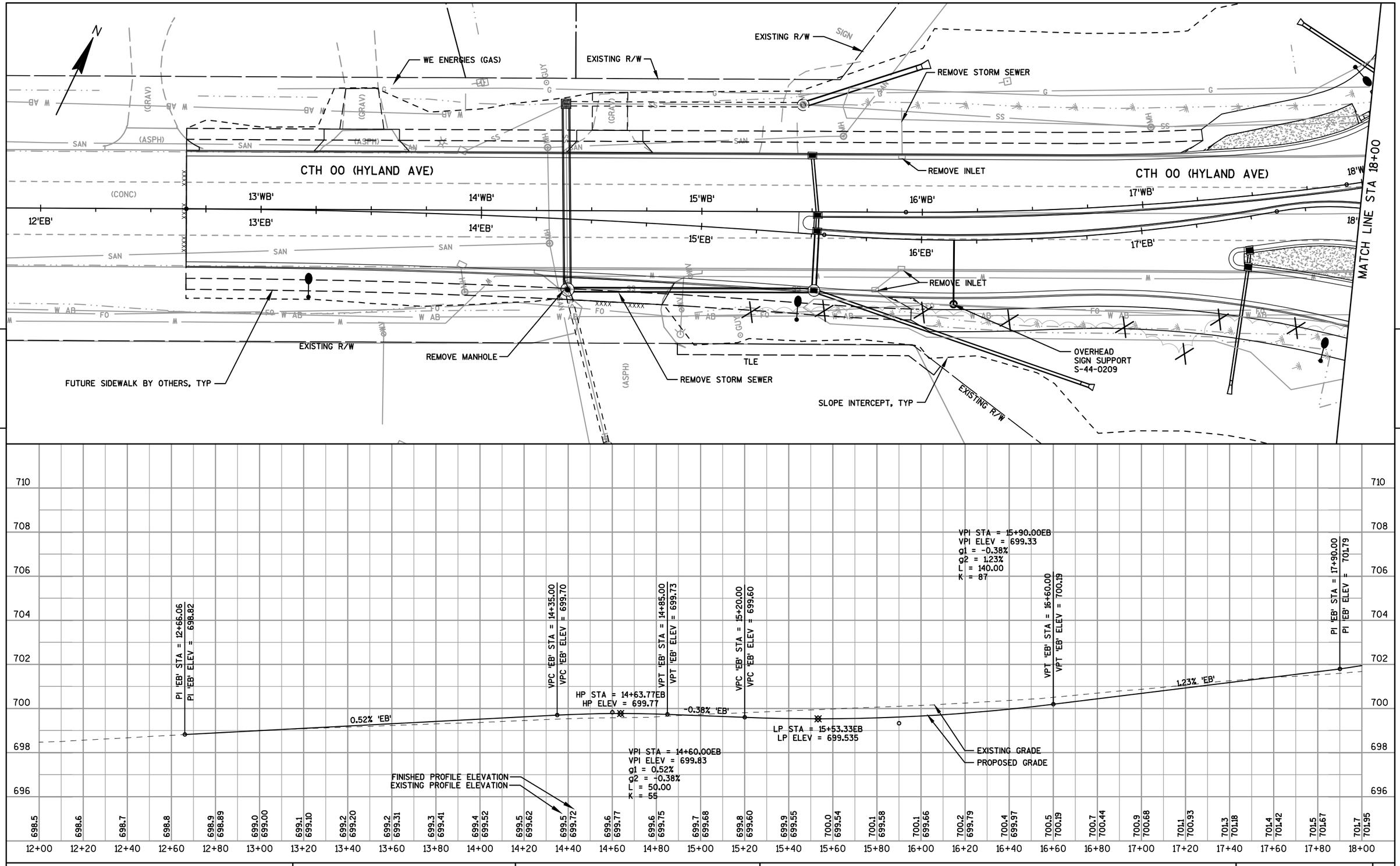
PLOT DATE : 5/15/2017 10:15 AM PLOT BY : OMNNI ASSOCIATES, INC - CRAIG KNUTH

WISDOT/CADDS SHEET 44

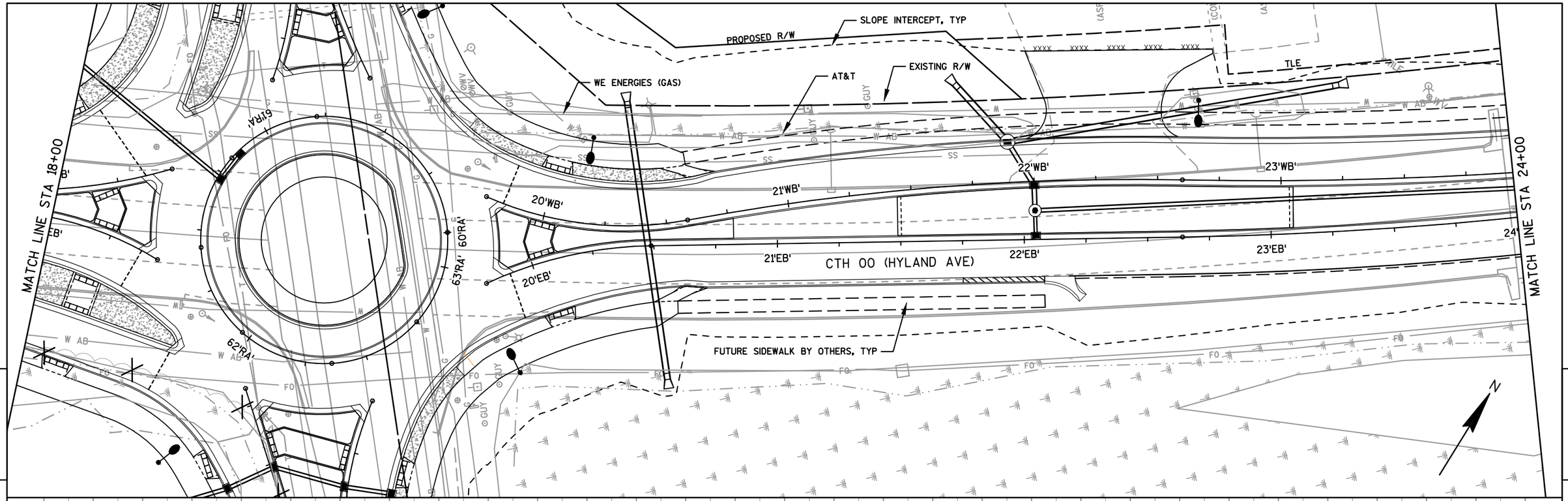




PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	PLAN AND PROFILE: BLACKWELL ST	SHEET 358	E



PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	PLAN AND PROFILE: CTH 00	SHEET 359	E

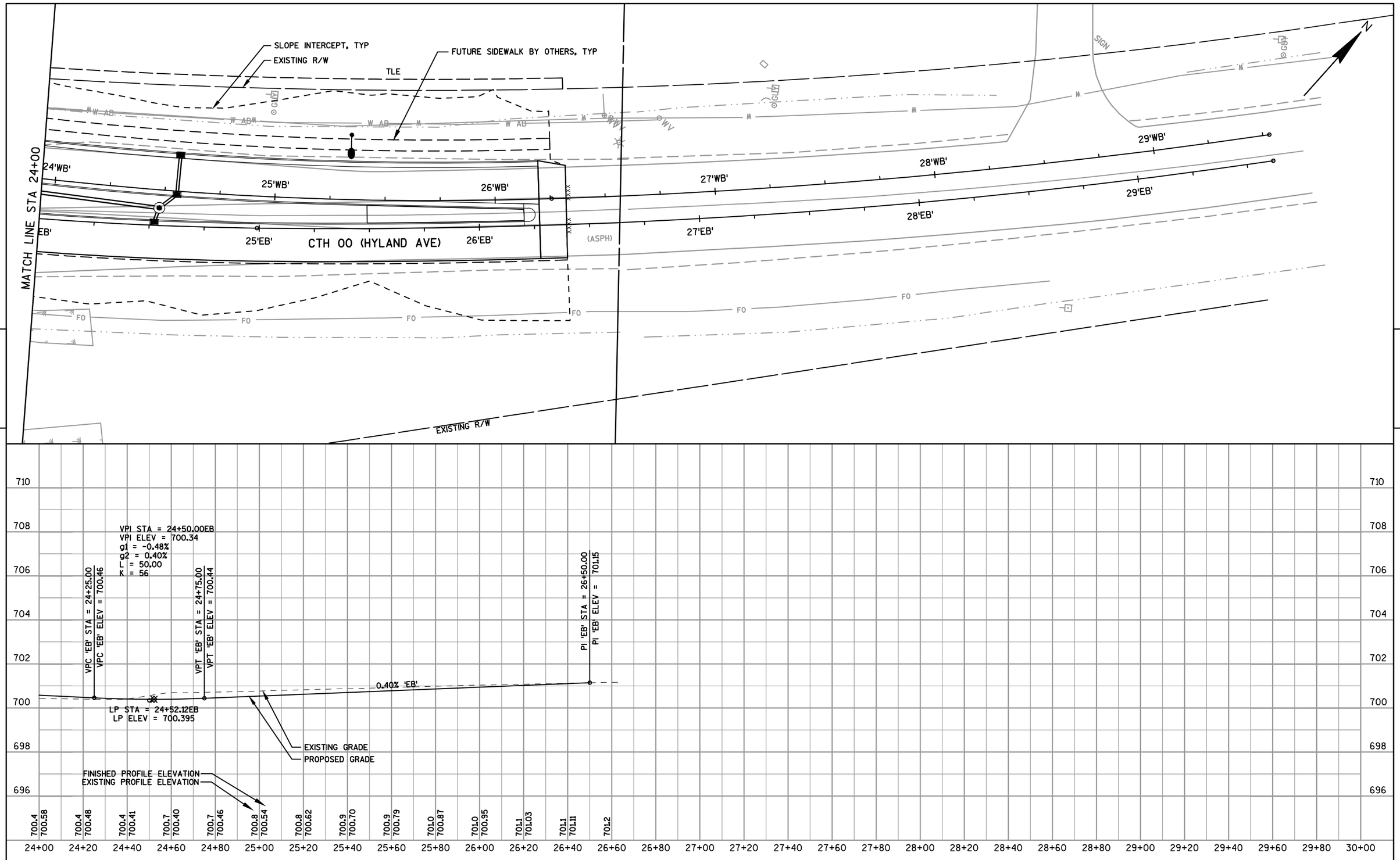


PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	PLAN AND PROFILE: CTH 00	SHEET 360	E

FILE NAME : F:\TR\JOBS\E1859A08\CIVIL 3D 2012\SHEETSPLAN\46500871_050130_PP.DWG
46500871_050146_pp

PLOT DATE : 9/10/2017 8:38 AM PLOT BY : OMNNI ASSOCIATES, INC - CRAIG KNUTH

WISDOT/CADDS SHEET 44



PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	PLAN AND PROFILE: CTH 00	SHEET 361 E

FILE NAME : F:\TR\JOBS\E1859A08\CIVIL 3D 2012\SHEETSPLAN\46500871_050130_PP.DWG
46500871_050147_pp

PLOT DATE : 5/19/2017 3:20 PM

PLOT BY : OMNNI ASSOCIATES, INC - CRAIG KNUTH

WISDOT/CADDS SHEET 44

SLOPE INTERCEPT, TYP
PROPOSED R/W
EXISTING R/W
AT&T
TLE
PLE
235'NB'
234'NB'
STH 55 (DELANGLADE ST)
BADGER ROAD
50+00
51+00
52+00
53+00
54+00
(ASPH)
(CONC)
(GRAV)
SAN
W AB
MH
SLOPE INTERCEPT, TYP
PROPOSED R/W
EXISTING R/W

VPI STA = 50+65.00
VPI ELEV = 696.80
g1 = -1.00%
g2 = 0.89%
L = 50.00
K = 27

HP STA = 52+27.56
HP ELEV = 698.11

PI " STA = 50+00.00
PI " ELEV = 697.45
VPC " STA = 50+40.00
VPC " ELEV = 697.05
VPT " STA = 50+90.00
VPT " ELEV = 697.02
VPC " STA = 52+00.00
VPC " ELEV = 697.99
VPT " STA = 52+40.00
VPT " ELEV = 698.09
PI " STA = 52+50.00
PI " ELEV = 698.05

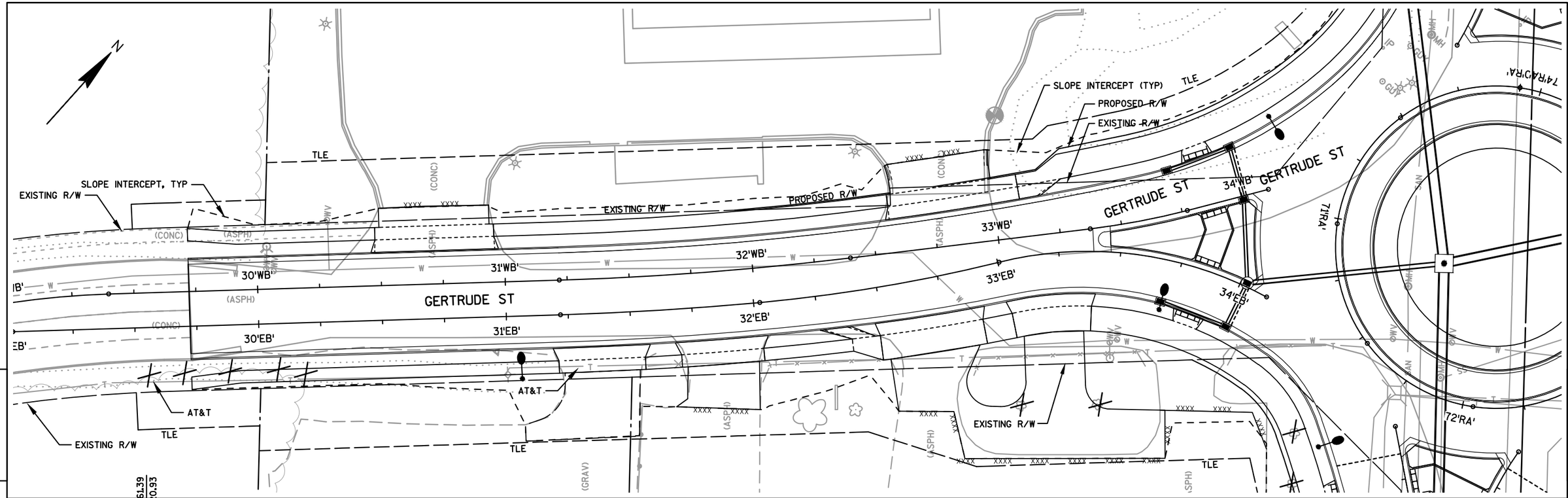
-1.00% "
0.89% "
-0.40% "
EXISTING GRADE
PROPOSED GRADE

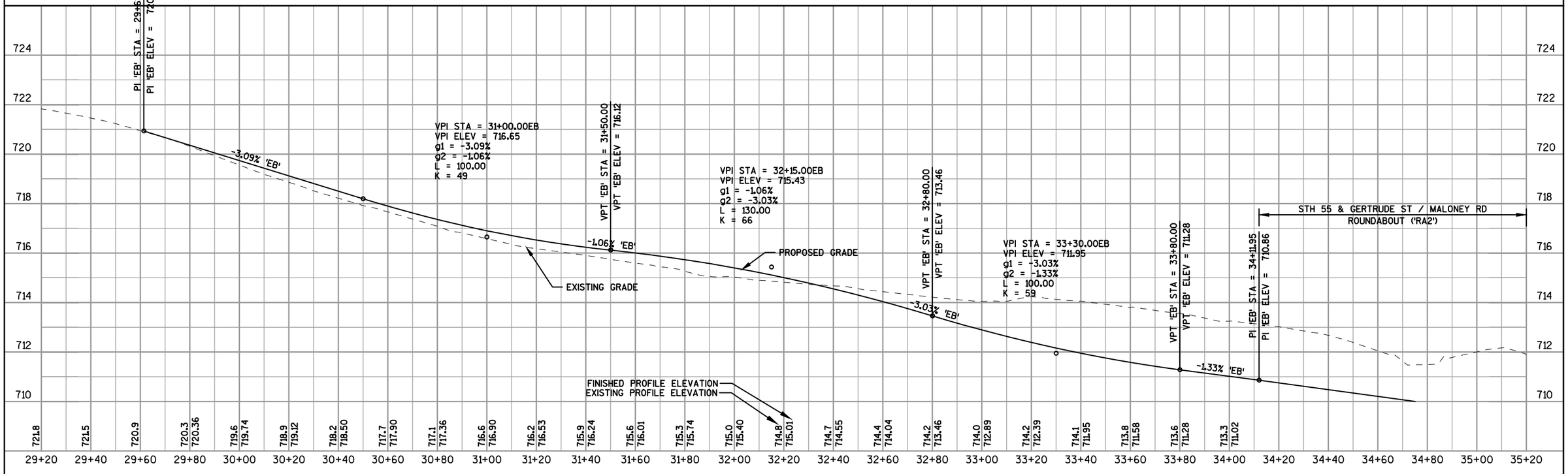
LP STA = 50+66.51
LP ELEV = 696.914

VPI STA = 52+20.00
VPI ELEV = 698.17
g1 = 0.89%
g2 = -0.40%
L = 40.00
K = 31

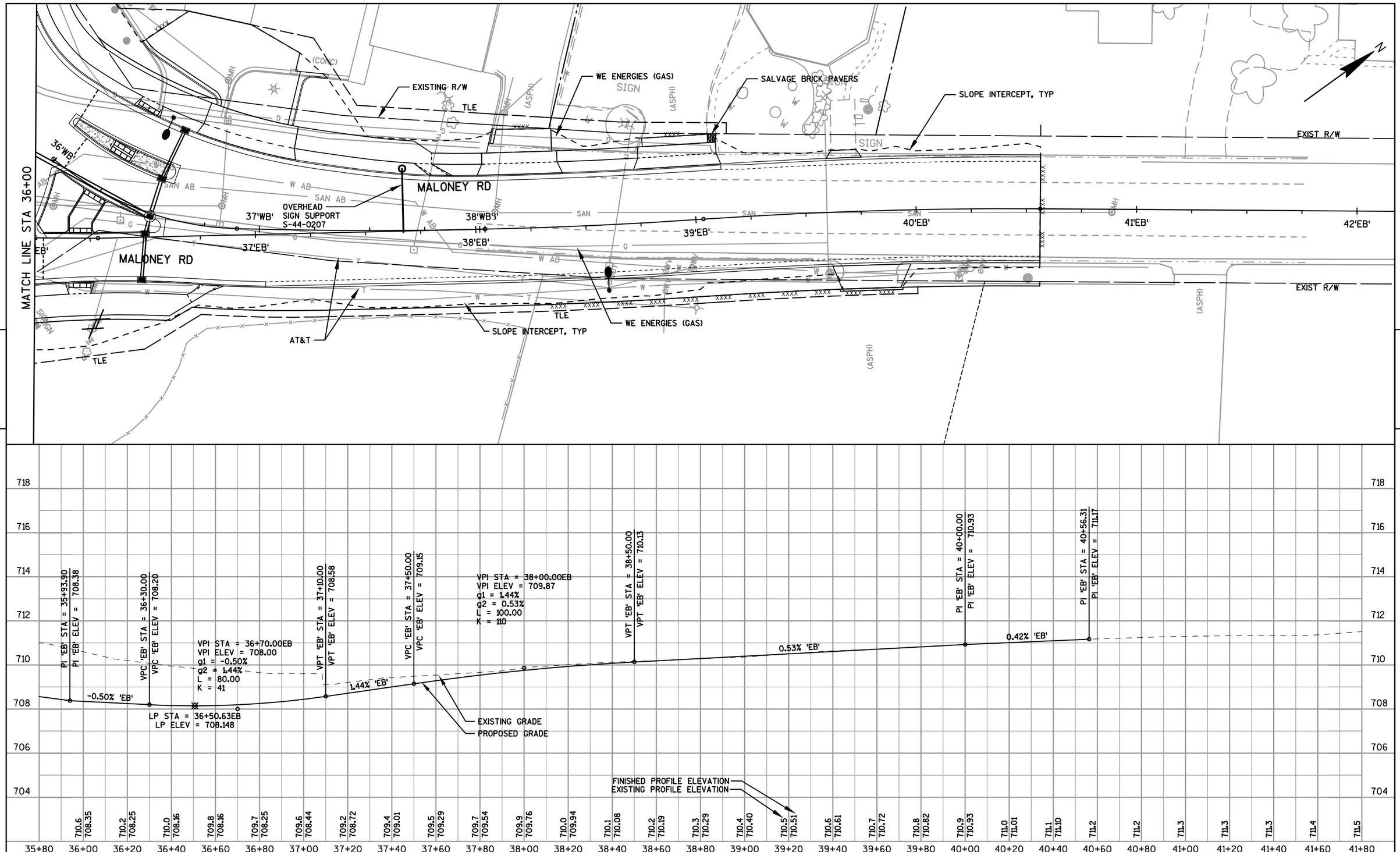
FINISHED PROFILE ELEVATION
EXISTING PROFILE ELEVATION

| | | |

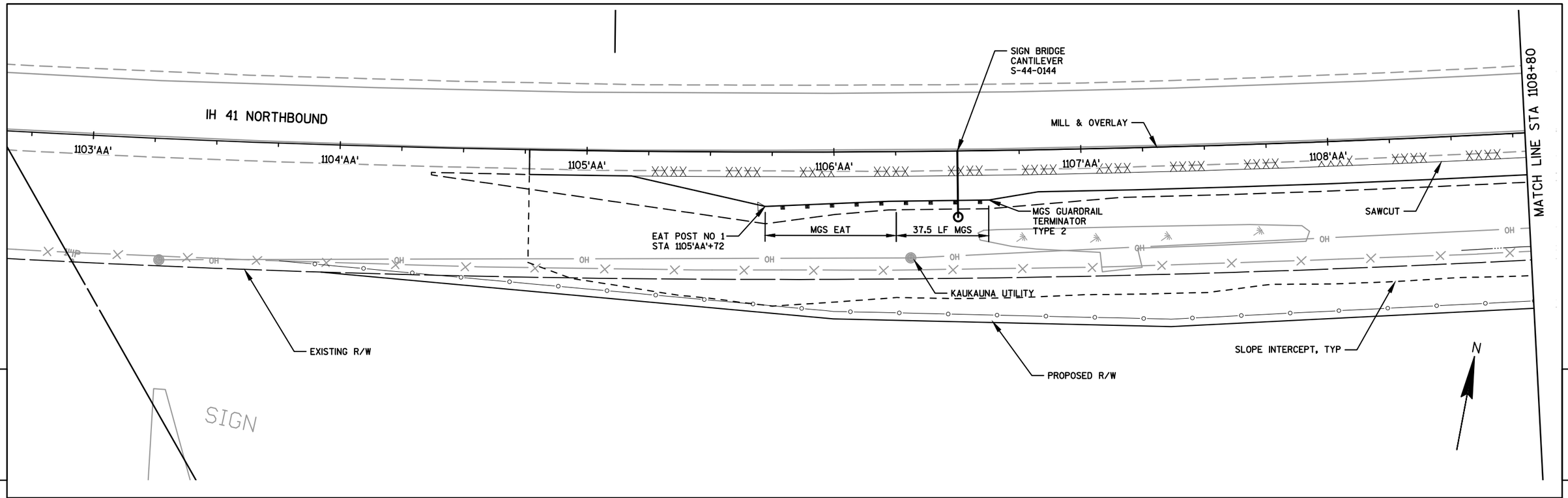


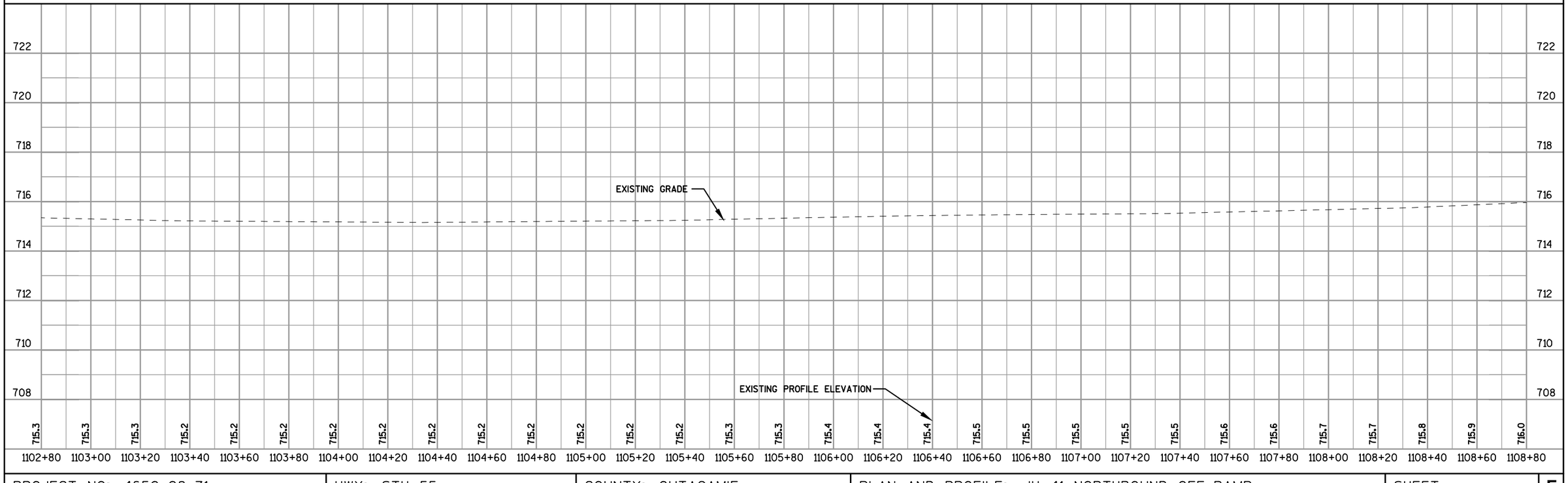


PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	PLAN AND PROFILE: GERTRUDE ST	SHEET 363 E



PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	PLAN AND PROFILE: MALONEY RD	SHEET 364	E





PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	PLAN AND PROFILE: IH 41 NORTHBOUND OFF-RAMP	SHEET 365	E

MATCH LINE STA 1108+80

IH 41 NORTHBOUND

MILL & OVERLAY

1109'AA' 1110'AA' 1111'AA' 1112'AA' 1113'AA' 1114'AA'

IH 41 NB OFF RAMP

MATCH LINE STA 1114+80

SAWCUT

SIGN

OH

KAUKAUNA UTILITY

EXISTING R/W

SIGN

PROPOSED R/W

SLOPE INTERCEPT, TYP

TDS METEROCOM

FO

VP

N

5

5

722 720 718 716 714 712 710 708

712.88 712.95 713.02 713.09 713.16 713.23 713.30 713.37 713.44 713.40 713.27

PROPOSED GRADE

0.84% 'AA' 0.80% 'AA' 0.87% 'AA'

EXISTING GRADE

PI 'AA' STA = 1112+63.02
PI 'AA' ELEV = 718.25

PI 'AA' STA = 1113+00.00
PI 'AA' ELEV = 718.56

PI 'AA' STA = 1113+25.00
PI 'AA' ELEV = 718.76

VPC 'AA' STA = 1114+30.00
VPC 'AA' ELEV = 719.68

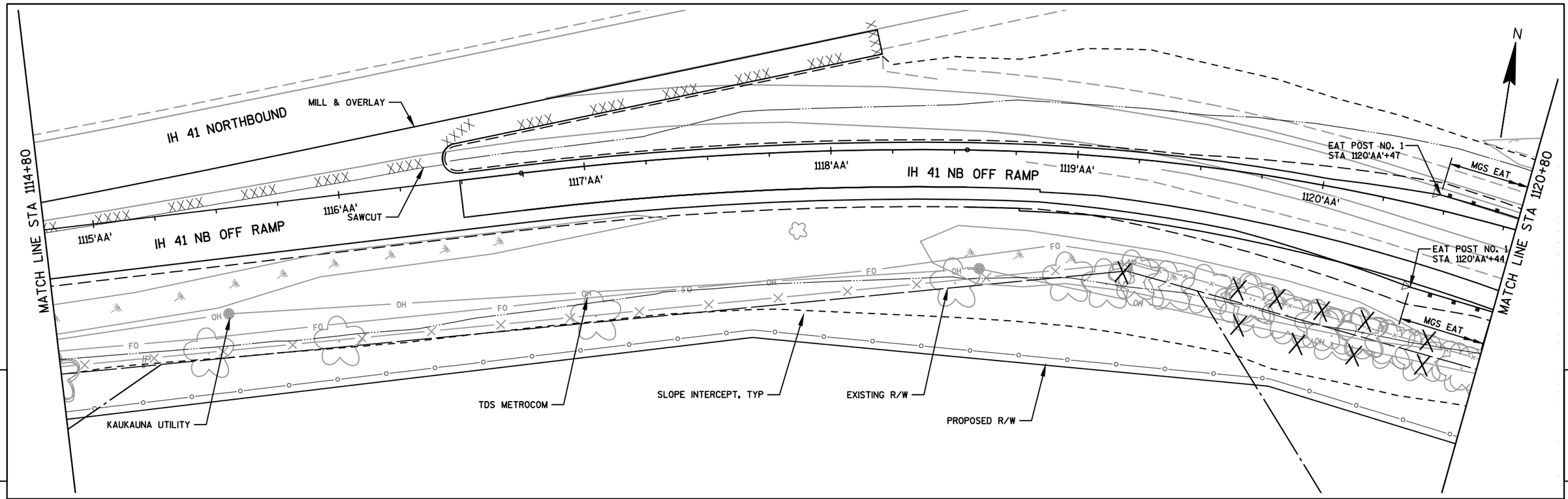
0.35% 'RT DITCH'

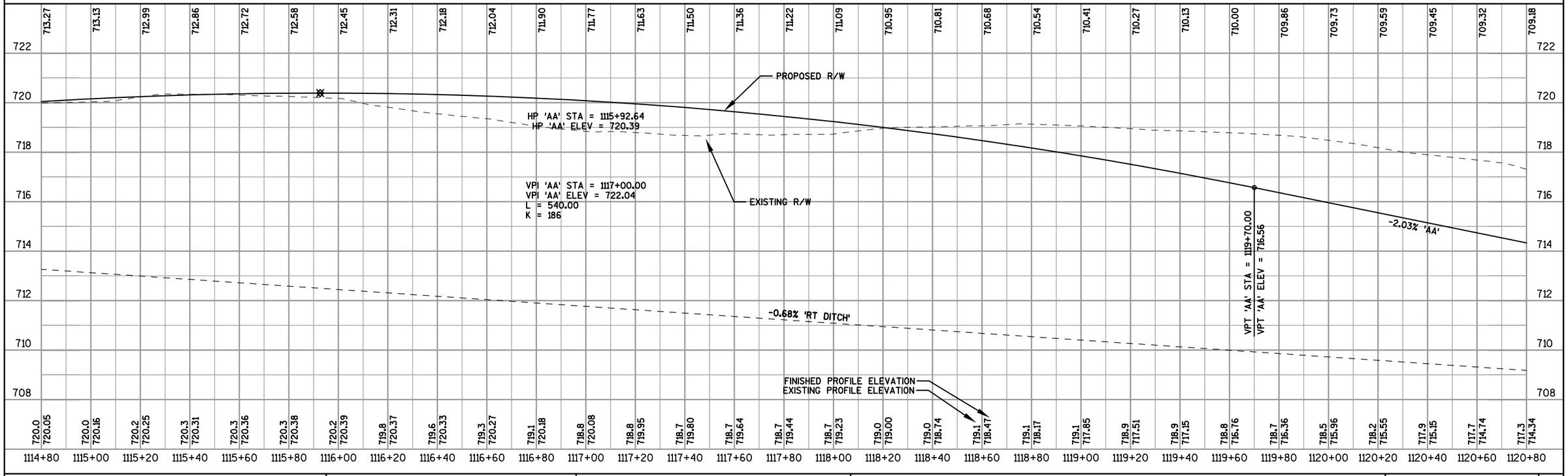
FINISHED PROFILE ELEVATION
EXISTING PROFILE ELEVATION

716.0 716.1 716.1 716.2 716.3 716.4 716.5 716.6 716.7 716.9 717.0 717.1 717.2 717.4 717.5 717.6 717.8 717.9 718.1 718.2 718.4 718.39 718.5 718.56 718.7 718.72 718.8 718.89 719.0 719.07 719.2 719.24 719.4 719.41 719.6 719.59 719.7 719.76 719.9 719.91 720.0 720.05

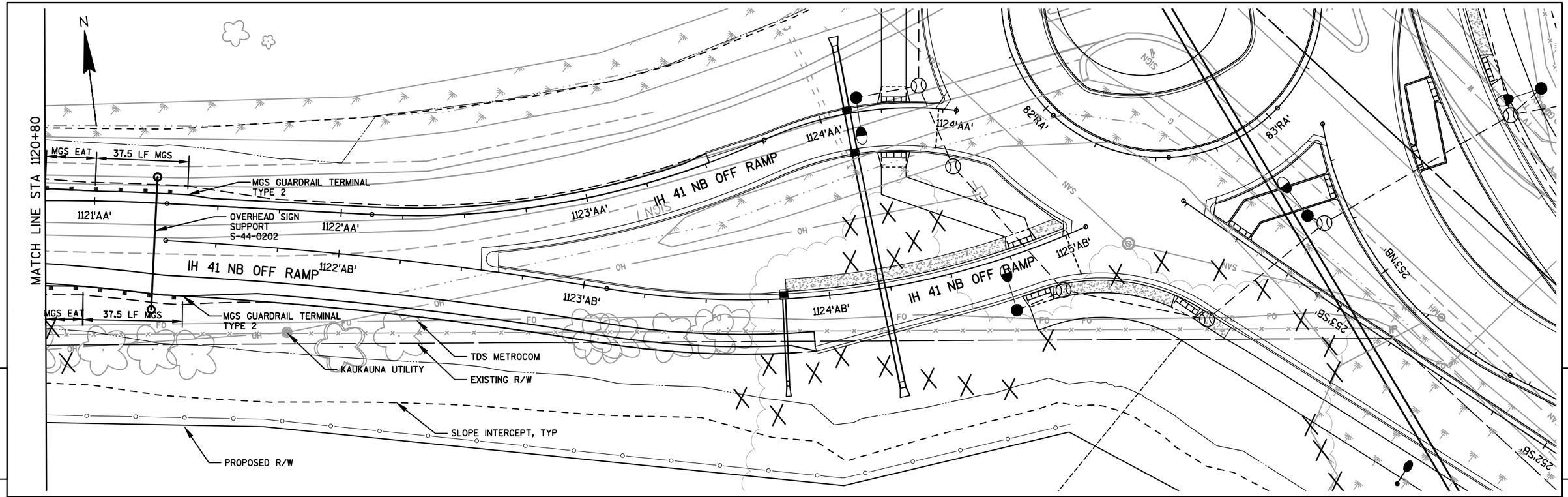
1108+80 1109+00 1109+20 1109+40 1109+60 1109+80 1110+00 1110+20 1110+40 1110+60 1110+80 1111+00 1111+20 1111+40 1111+60 1111+80 1112+00 1112+20 1112+40 1112+60 1112+80 1113+00 1113+20 1113+40 1113+60 1113+80 1114+00 1114+20 1114+40 1114+60 1114+80

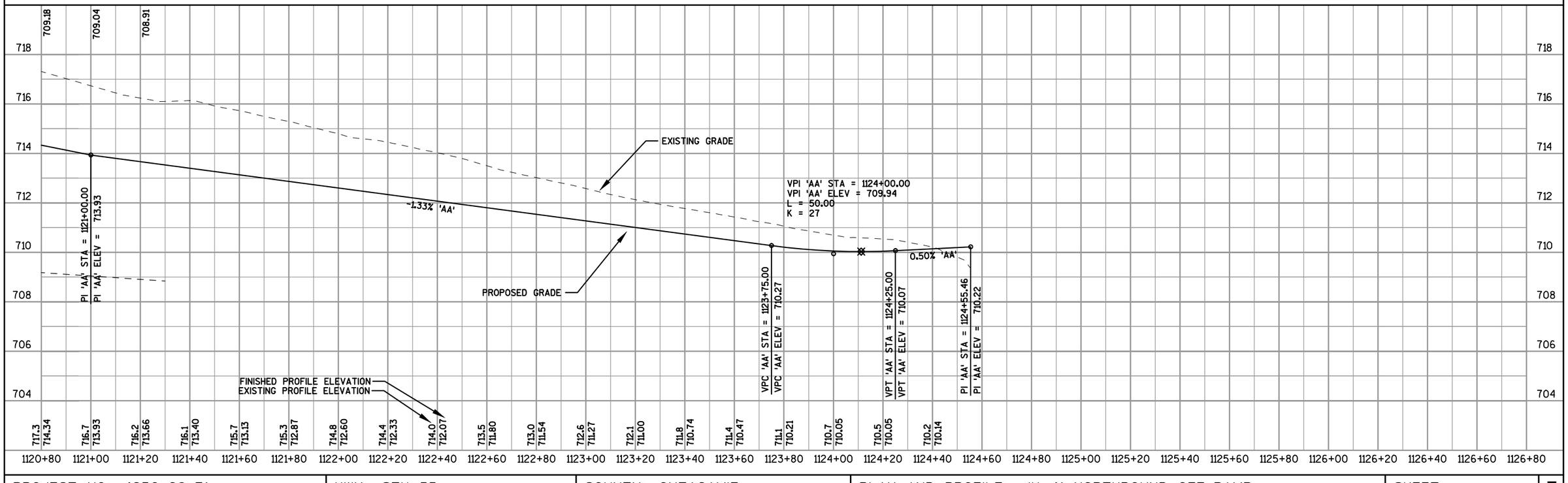
PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	PLAN AND PROFILE: IH 41 NORTHBOUND OFF-RAMP	SHEET 366	E



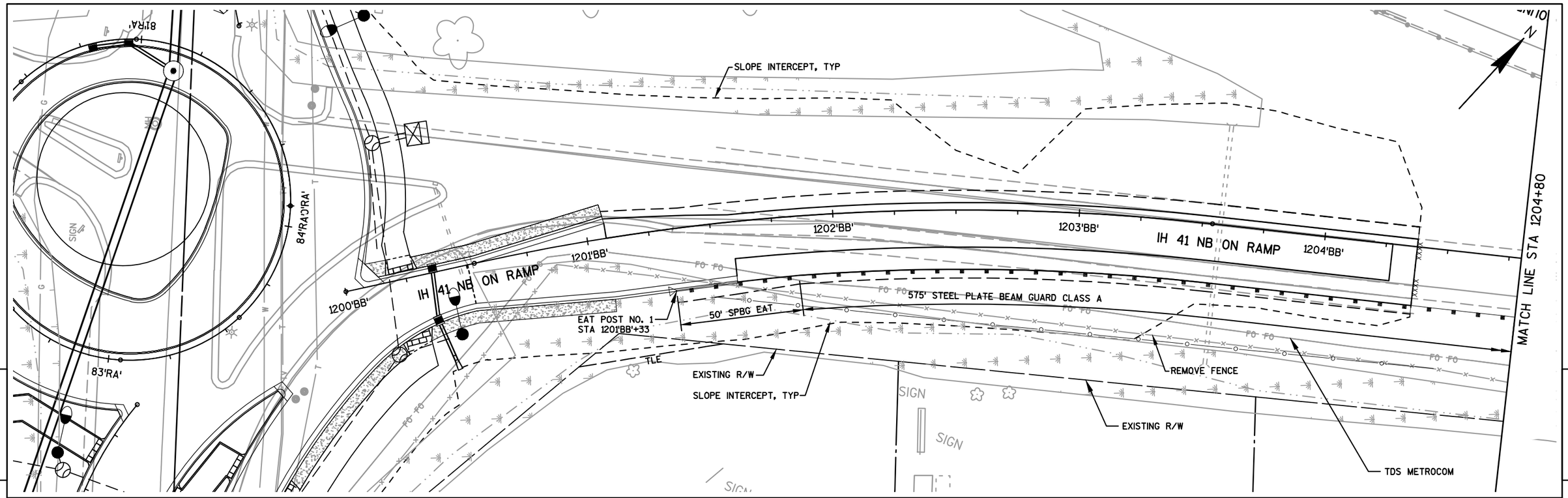


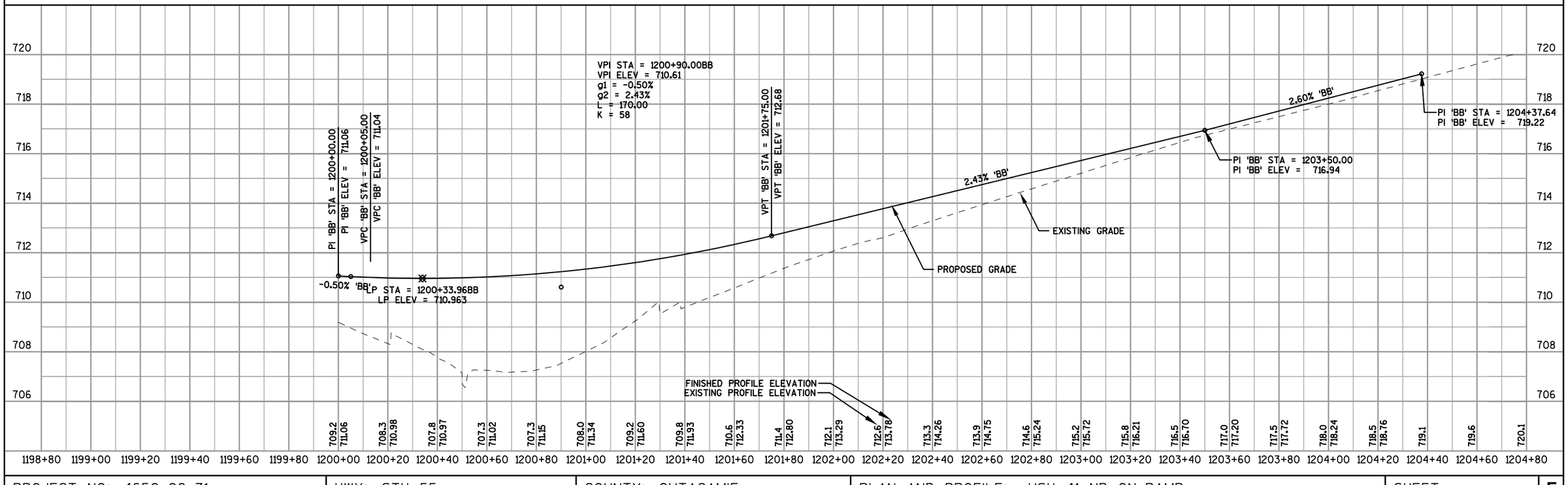
PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	PLAN AND PROFILE: IH 41 NORTHBOUND OFF-RAMP	SHEET 367 E



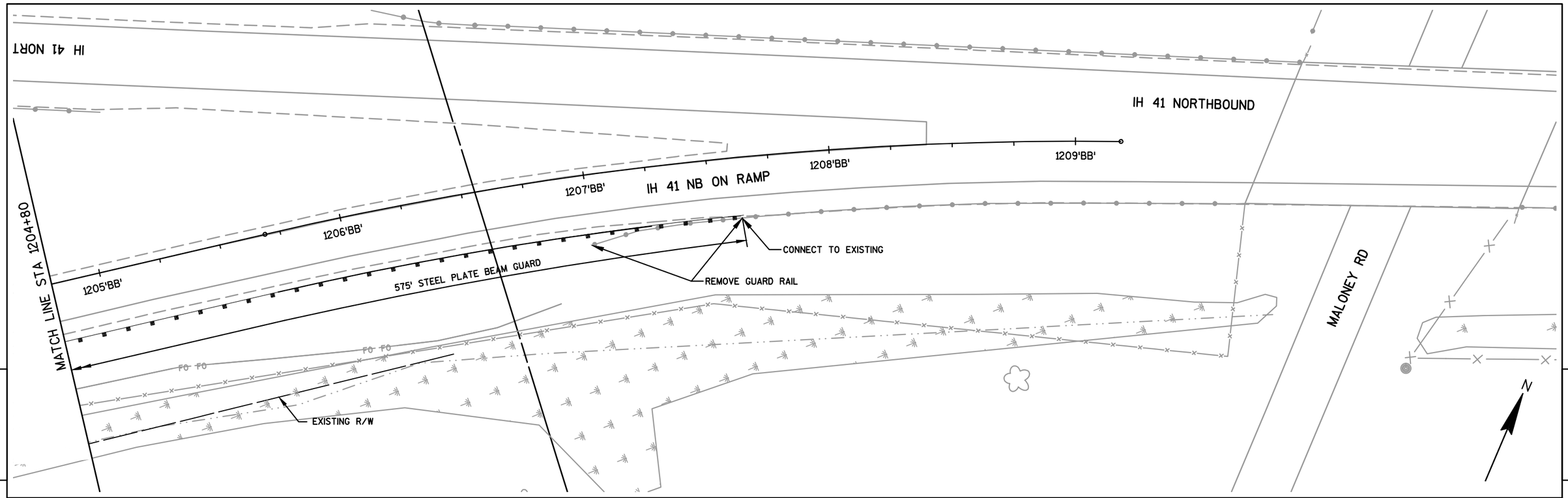


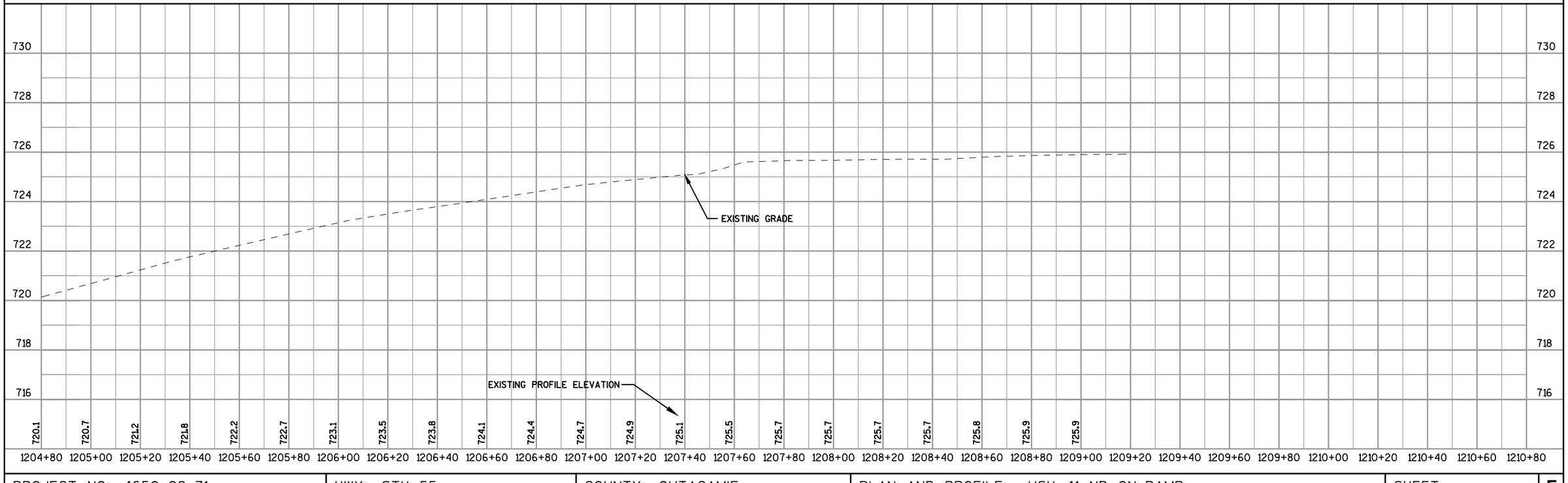
PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	PLAN AND PROFILE: IH 41 NORTHBOUND OFF-RAMP	SHEET 368	E



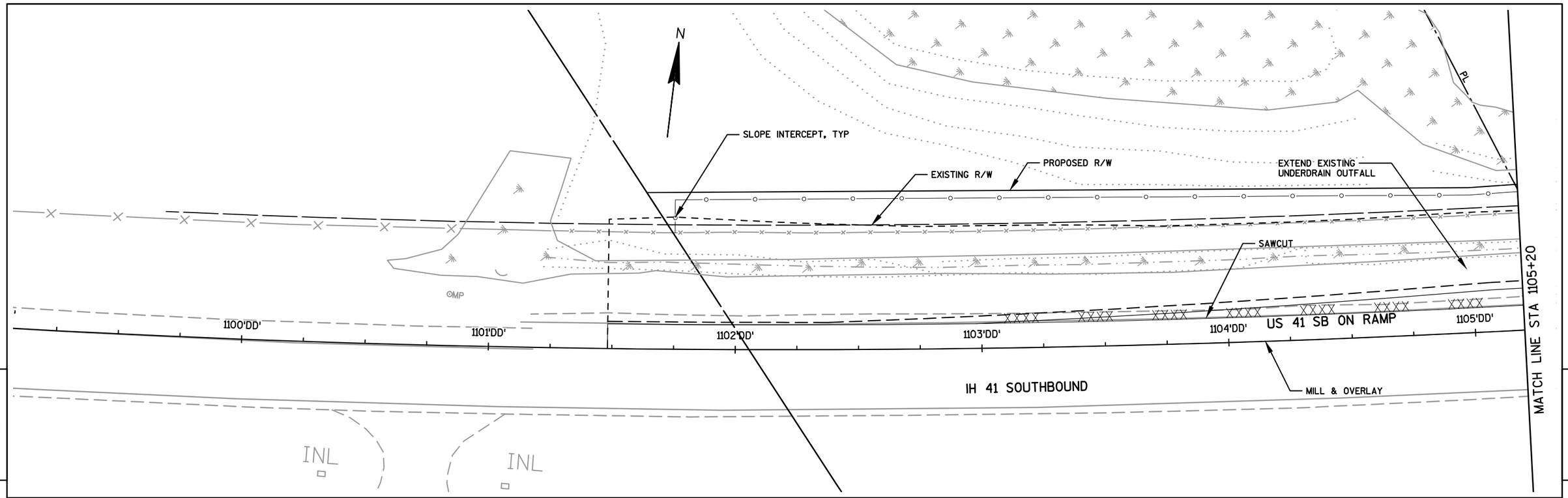


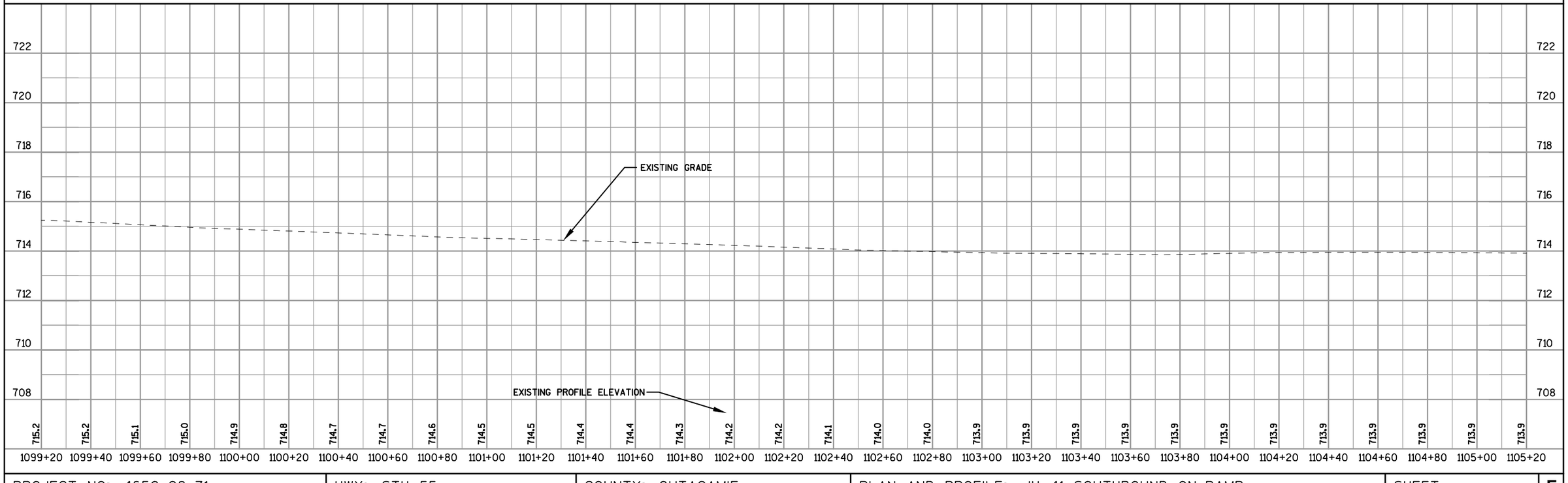
PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	PLAN AND PROFILE: USH 41 NB ON-RAMP	SHEET 369	E



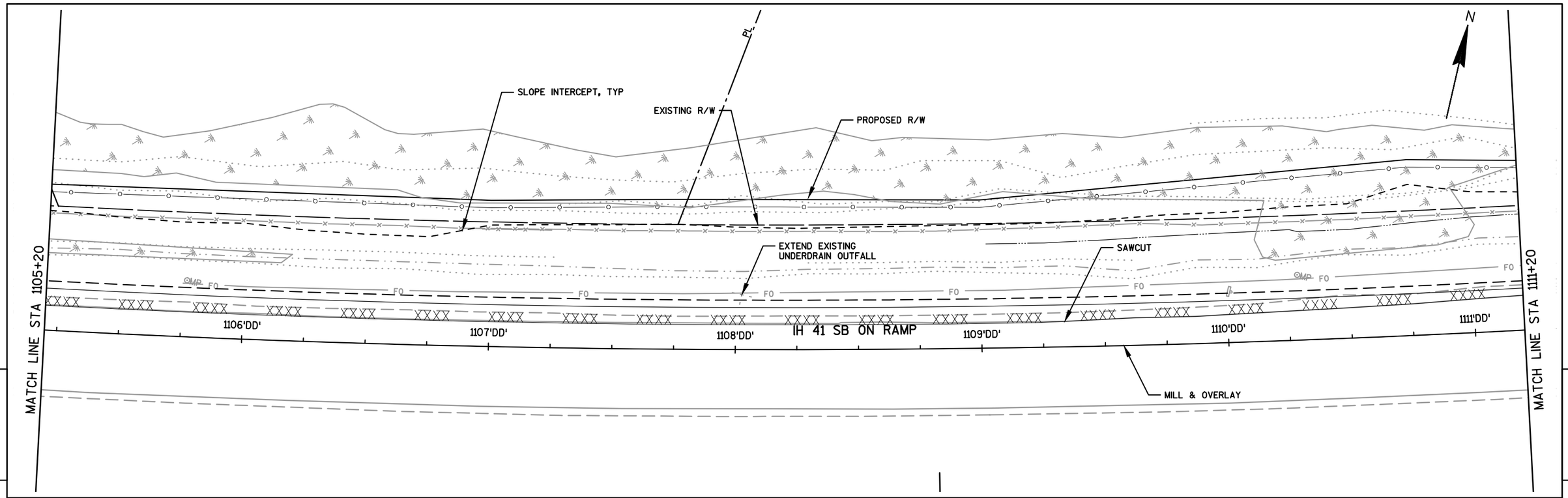


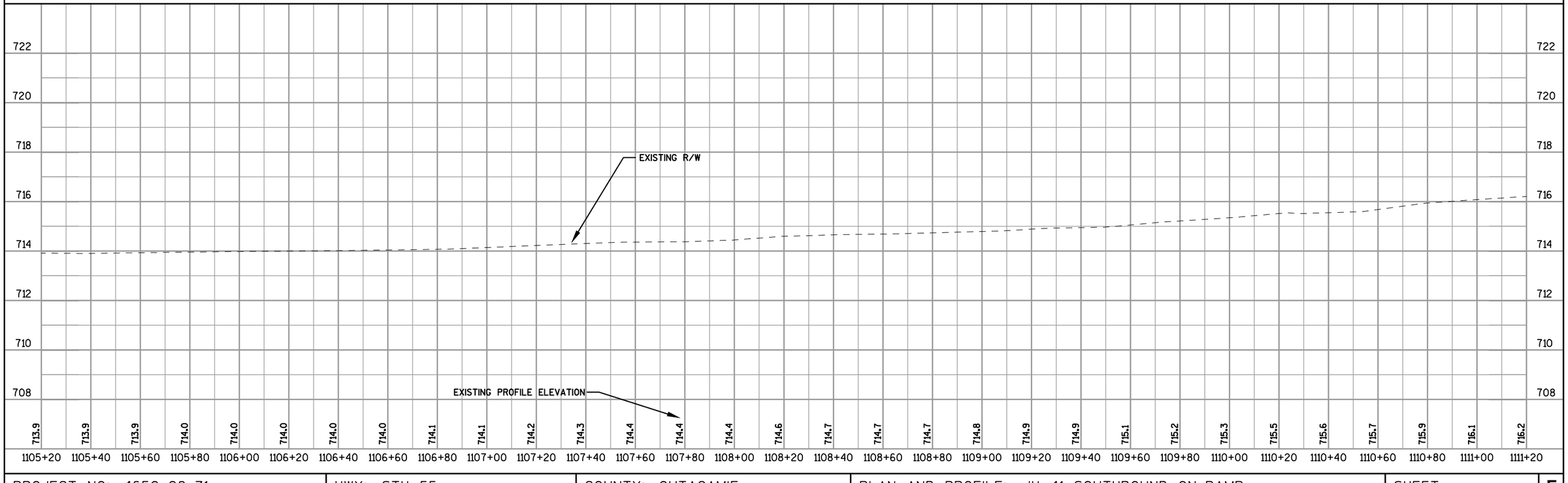
PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	PLAN AND PROFILE: USH 41 NB ON-RAMP	SHEET 370	E



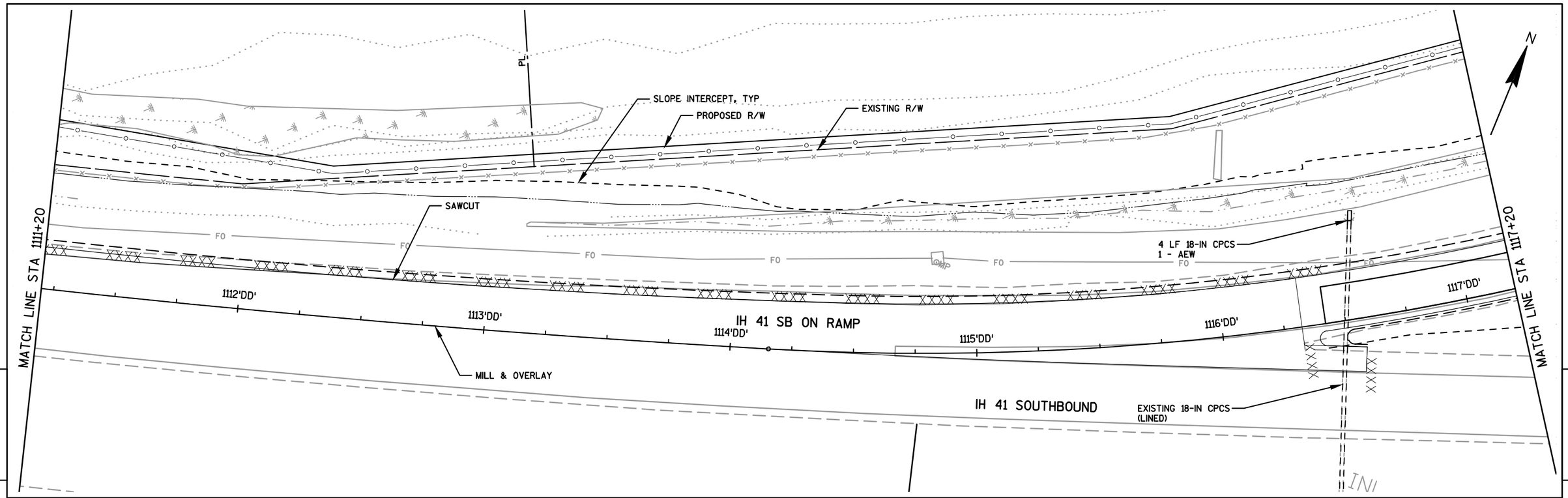


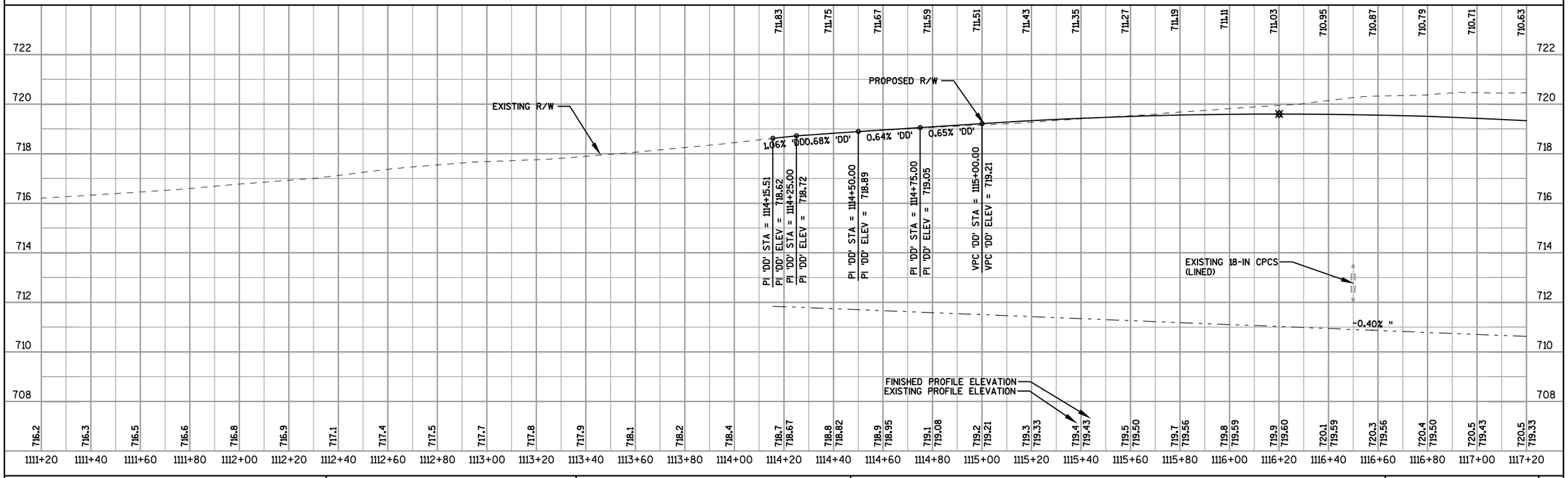
PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	PLAN AND PROFILE: IH 41 SOUTHBOUND ON-RAMP	SHEET 371	E



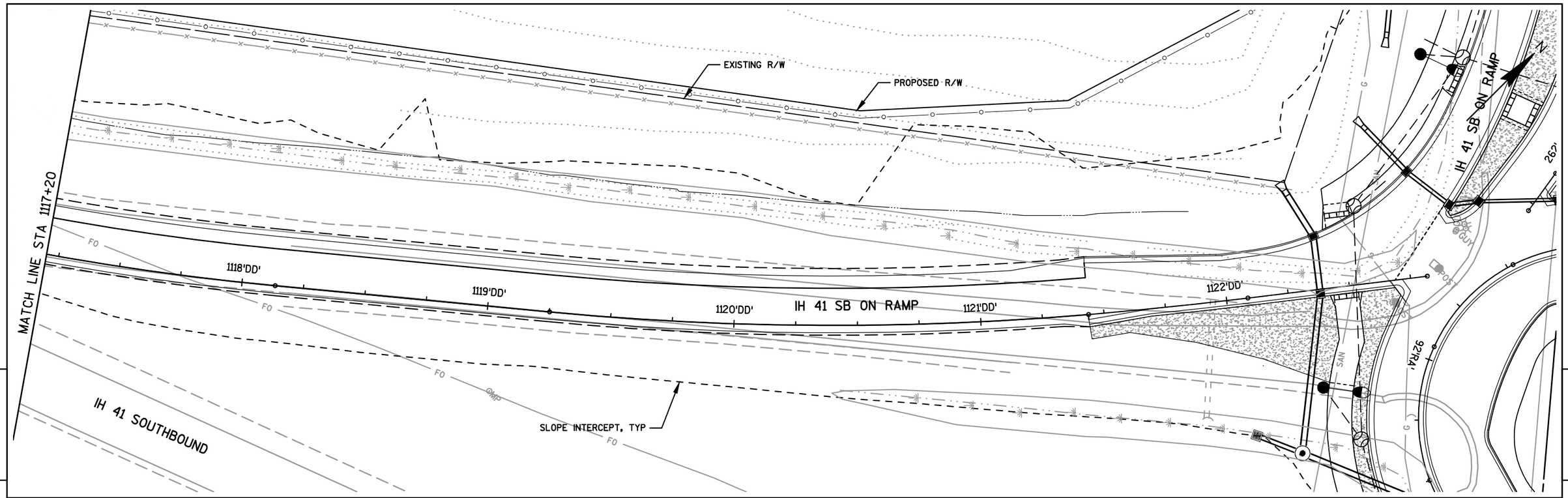


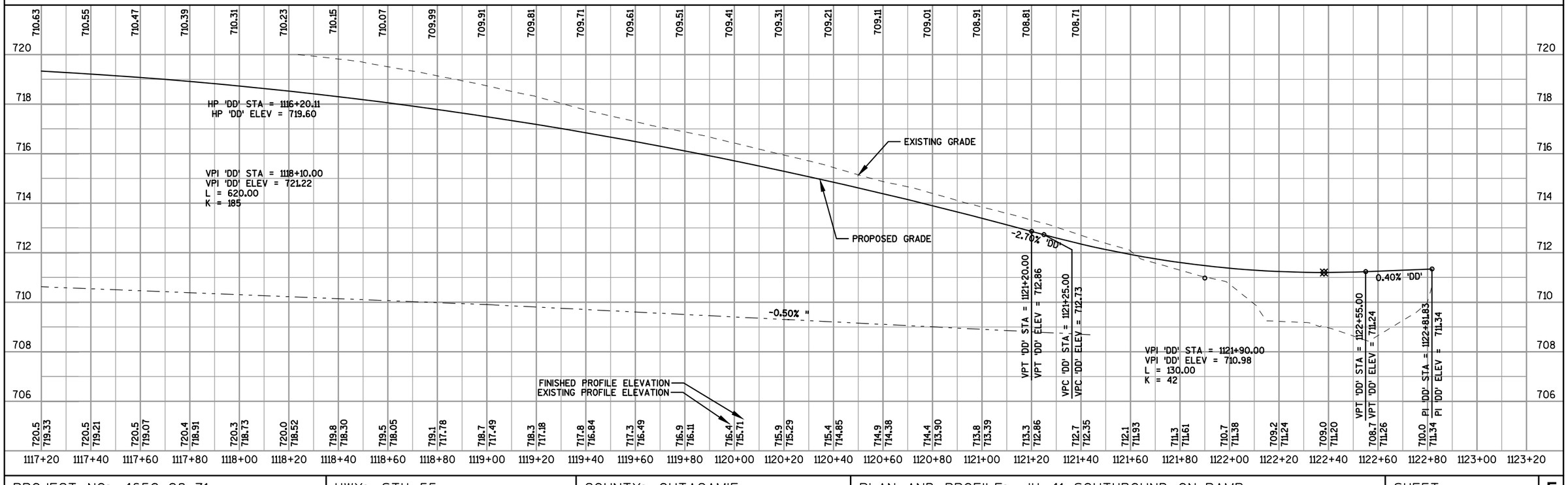
PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	PLAN AND PROFILE: IH 41 SOUTHBOUND ON-RAMP	SHEET 372	E





PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	PLAN AND PROFILE: IH 41 SOUTHBOUND ON-RAMP	SHEET 373	E





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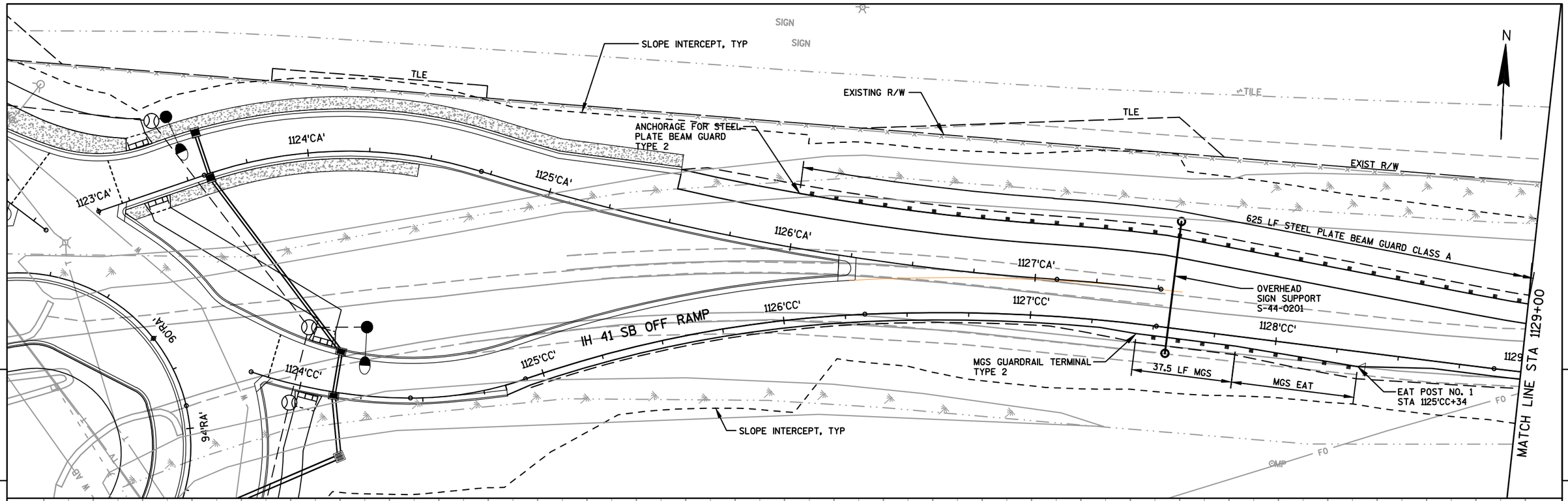


PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	PLAN AND PROFILE: USH 41 SB OFF-RAMP	SHEET 375	E

EXISTING R/W

REMOVE FENCE

MATCH LINE STA 1129+00

'CC'

625 LF STEEL PLATE BEAM GUARD CLASS A

CONNECT TO EXISTING BEAM GUARD

1130'CC'

1131'CC'

IH 41 SB OFF RAMP

1132'CC'

1133'CC'

1134'CC'

1135'CC'

SLOPE INTERCEPT, TYP

MILL & OVERLAY

SAWCUT

IH 41 SOUTHBOUND

N

IH 41 NORTHBOU

5

5

732
730
728
726
724
722
720
718

VPT 'CC' STA = 1131+72.00
VPT 'CC' ELEV = 726.04

PI 'CC' STA = 1131+99.00
PI 'CC' ELEV = 726.15

PI 'CC' STA = 1132+42.94
PI 'CC' ELEV = 726.20

0.40% 'CC'

0.11% 'CC'

EXISTING GRADE
PROPOSED GRADE

VPI STA = 1129+87.00CC
VPI ELEV = 725.30
g1 = 2.30%
g2 = 0.40%
L = 370.00
K = 195

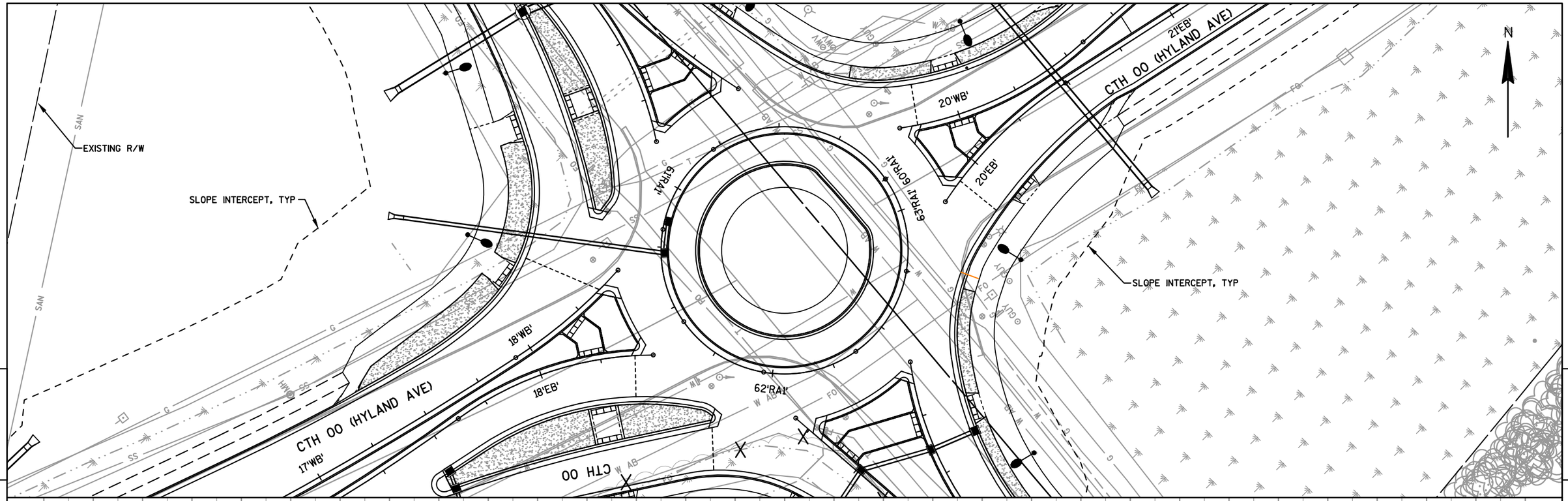
FINISHED PROFILE ELEVATION
EXISTING PROFILE ELEVATION

1129+00	1129+20	1129+40	1129+60	1129+80	1130+00	1130+20	1130+40	1130+60	1130+80	1131+00	1131+20	1131+40	1131+60	1131+80	1132+00	1132+20	1132+40	1132+60	1132+80	1133+00	1133+20	1133+40	1133+60	1133+80	1134+00	1134+20	1134+40	1134+60	1134+80	1135+00
723.2	723.6	724.0	724.3	724.7	724.9	725.2	725.3	725.5	725.6	725.7	725.8	725.9	726.0	726.1	726.1	726.2	726.2	726.2	726.2	726.2	726.1	726.1	726.1	726.0	726.0	725.9	725.9	725.8	725.8	725.8
723.06	723.40	723.73	724.04	724.33	724.60	724.84	725.07	725.27	725.46	725.62	725.77	725.89	725.99	726.07	726.15	726.17	726.20	726.2	726.2	726.2	726.1	726.1	726.1	726.0	726.0	725.9	725.9	725.8	725.8	725.8

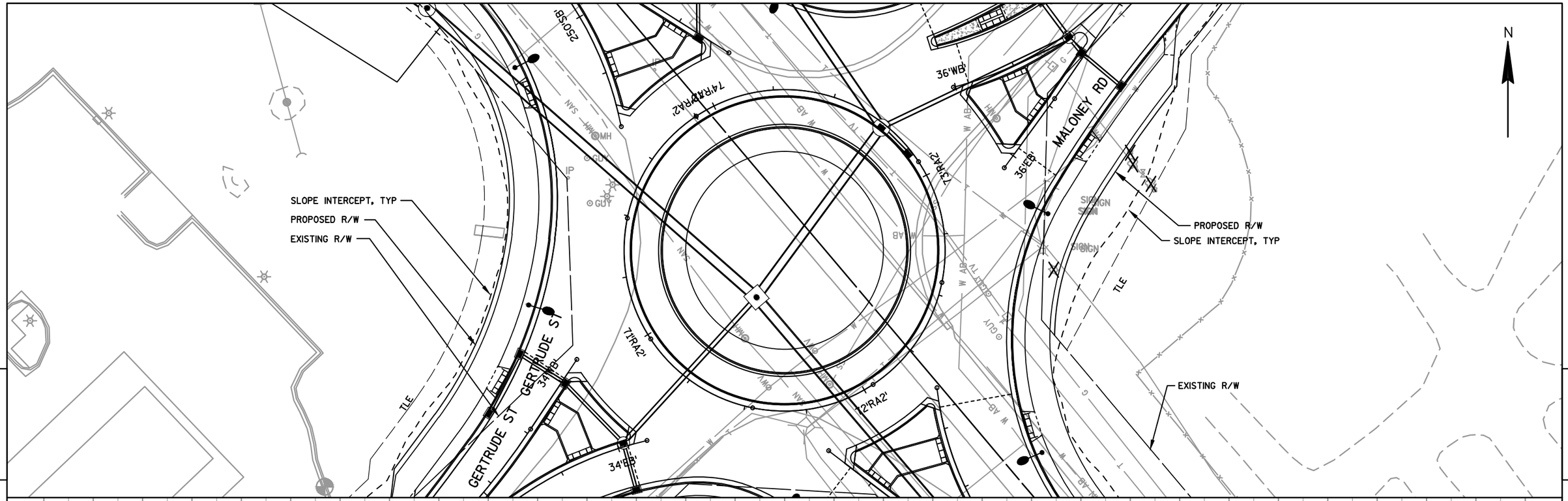
PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	PLAN AND PROFILE: USH 41 SB OFF-RAMP	SHEET 376	E

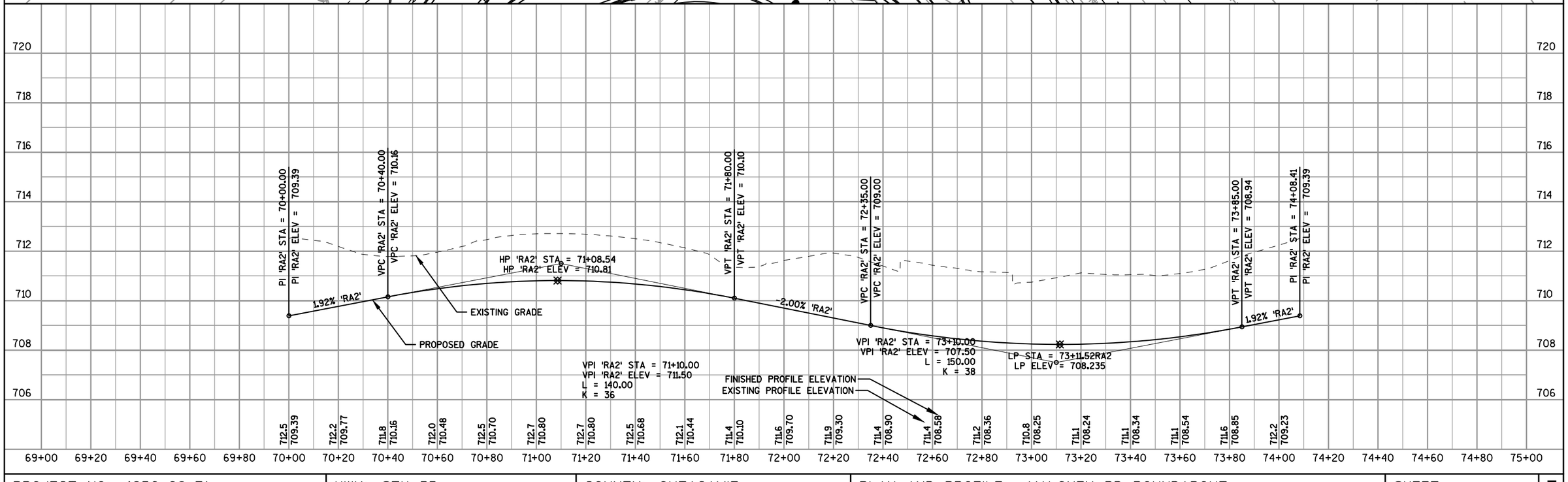
FILE NAME : F:\TR\JOBS\E1859A08\CIVIL 3D 2012\SHEETSPLAN\46500871_050130_PP.DWG
46500871_050176_pp

PLOT DATE : 5/15/2017 10:24 AM PLOT BY : OMNNI ASSOCIATES, INC - CRAIG KNUTH

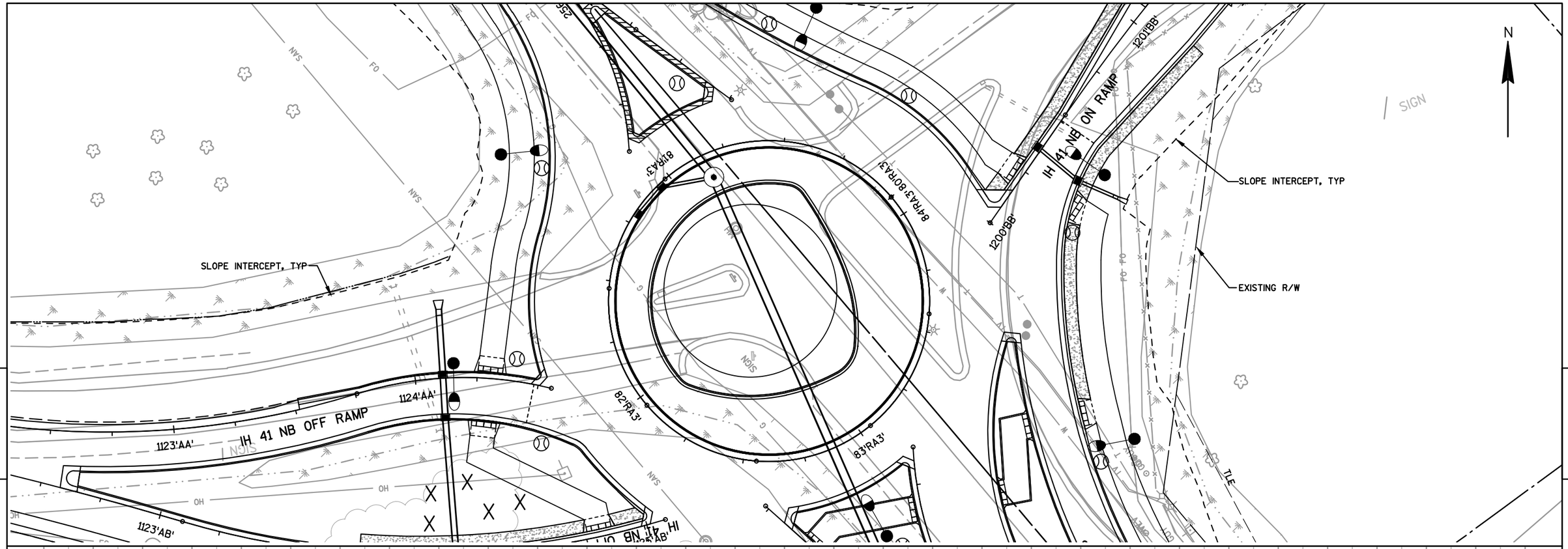


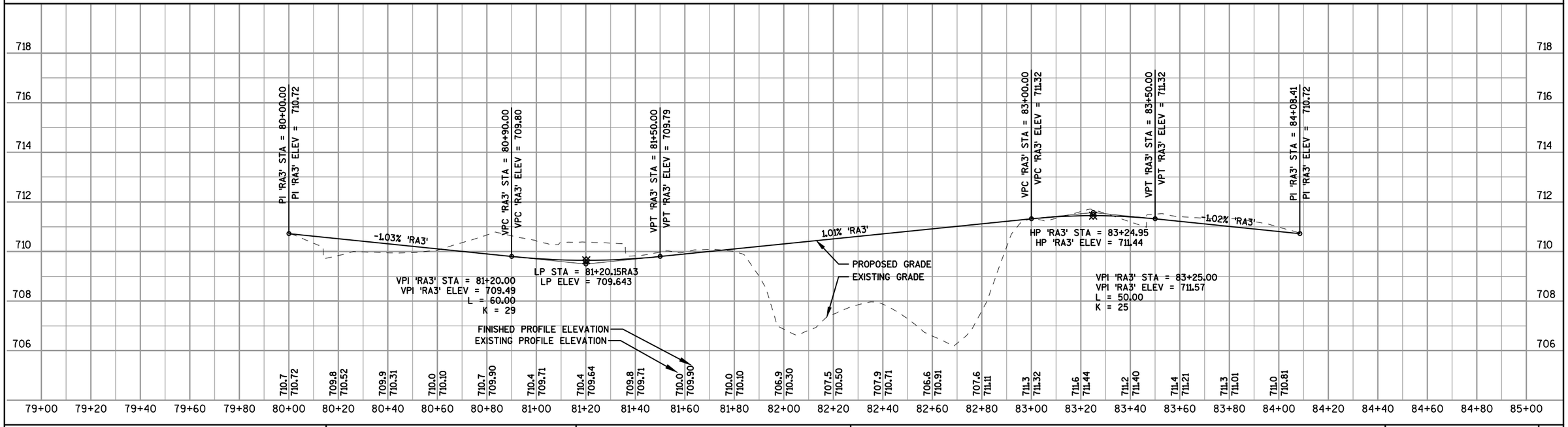
PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	PLAN AND PROFILE: CTH OO ROUNDABOUT	SHEET 377	E



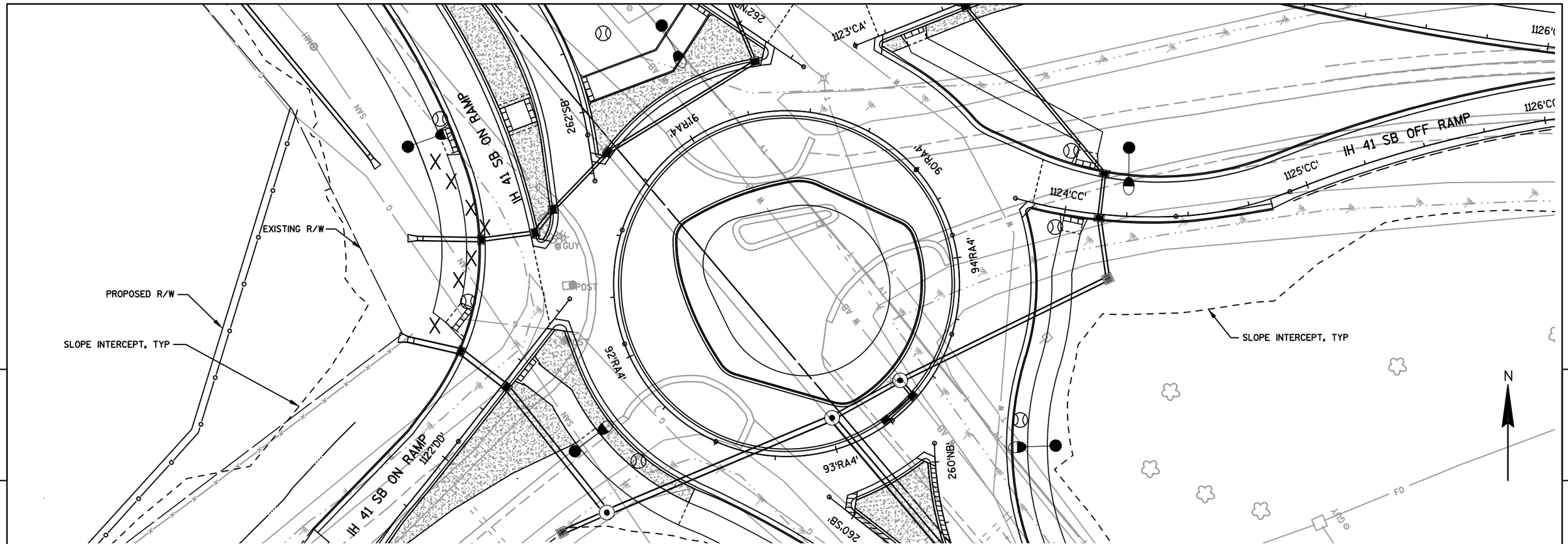


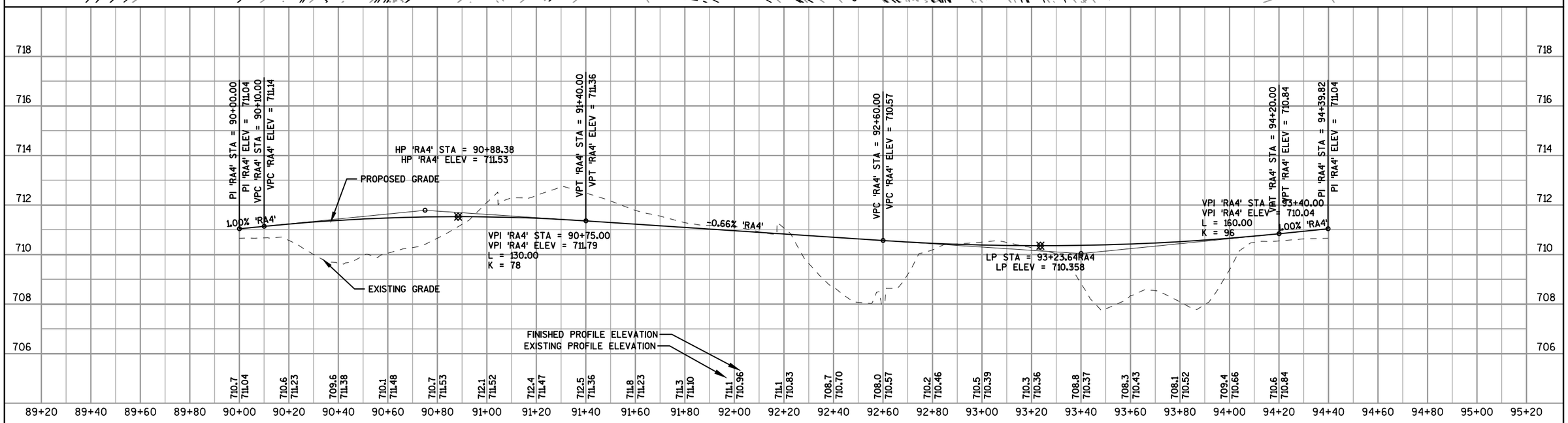
PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	PLAN AND PROFILE: MALONEY RD ROUNDABOUT	SHEET 378	E



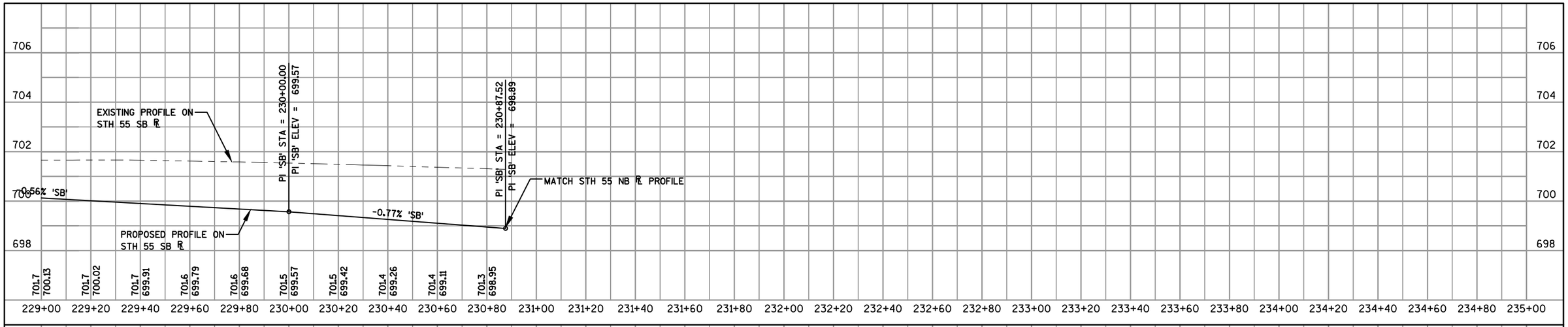


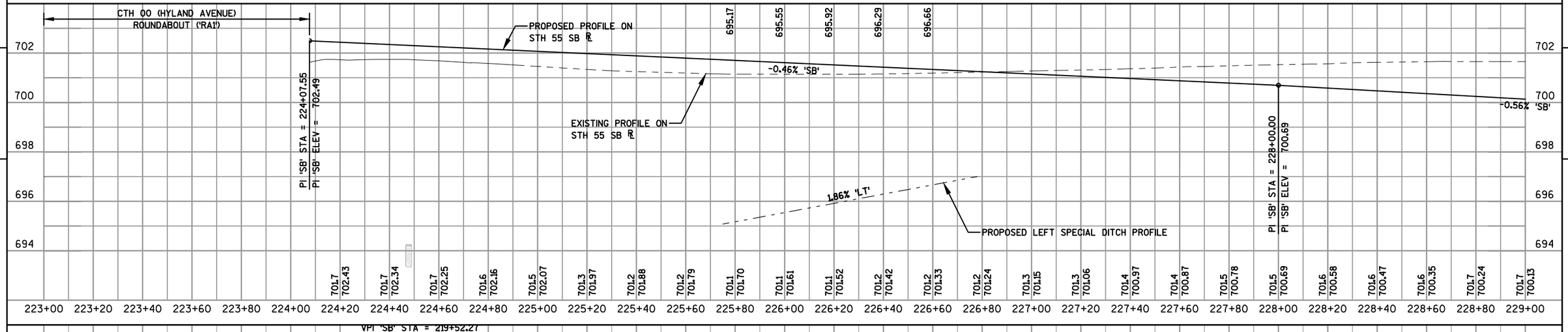
PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	PLAN AND PROFILE: IH 41 NORTHBOUND RAMPS ROUNDABOUT	SHEET 379	E

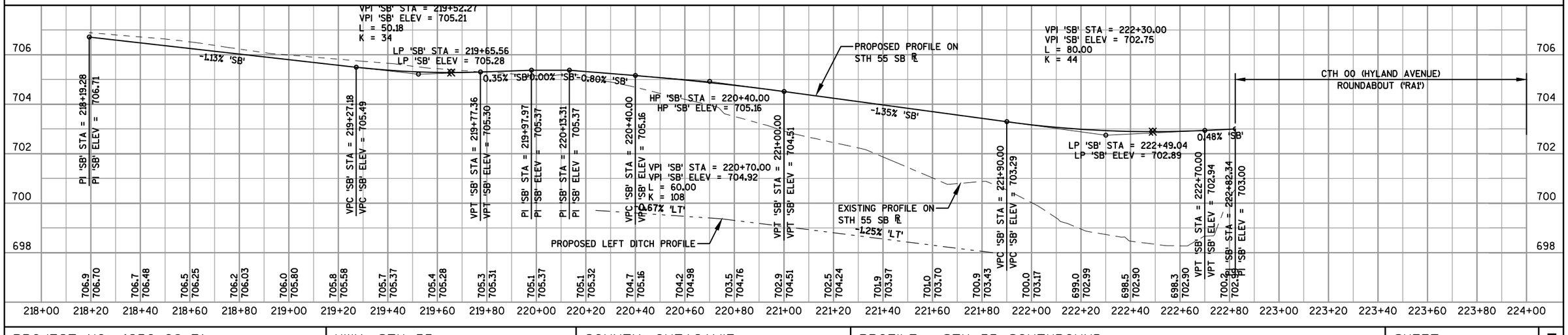




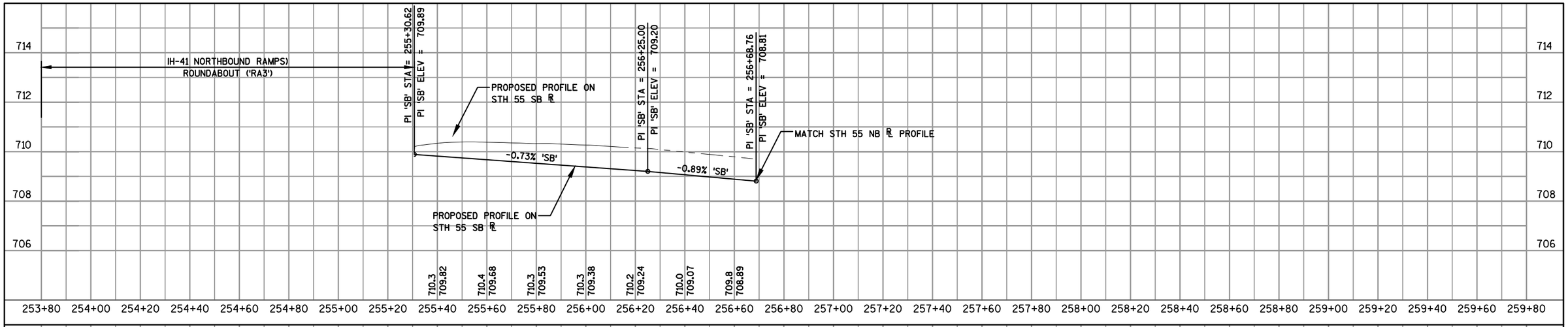
PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	PLAN AND PROFILE: IH 41 SOUTHBOUND RAMPS ROUNDABOUT	SHEET 380	E

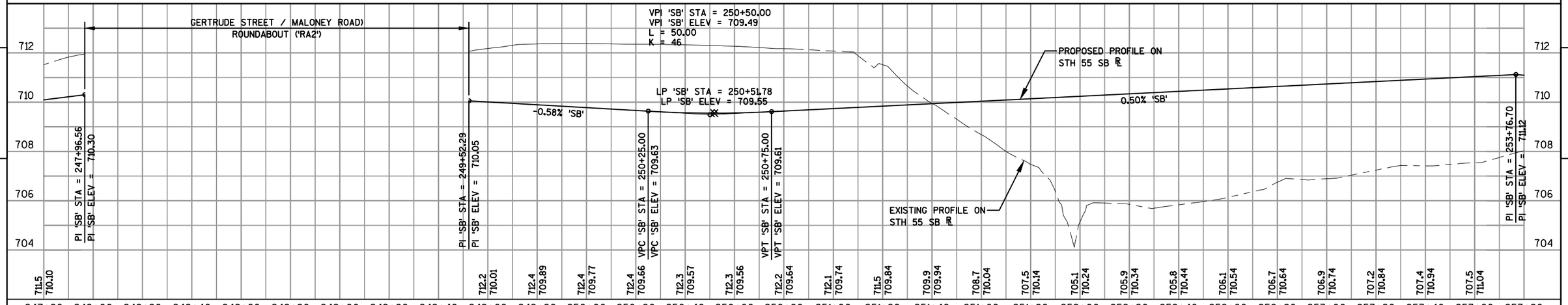


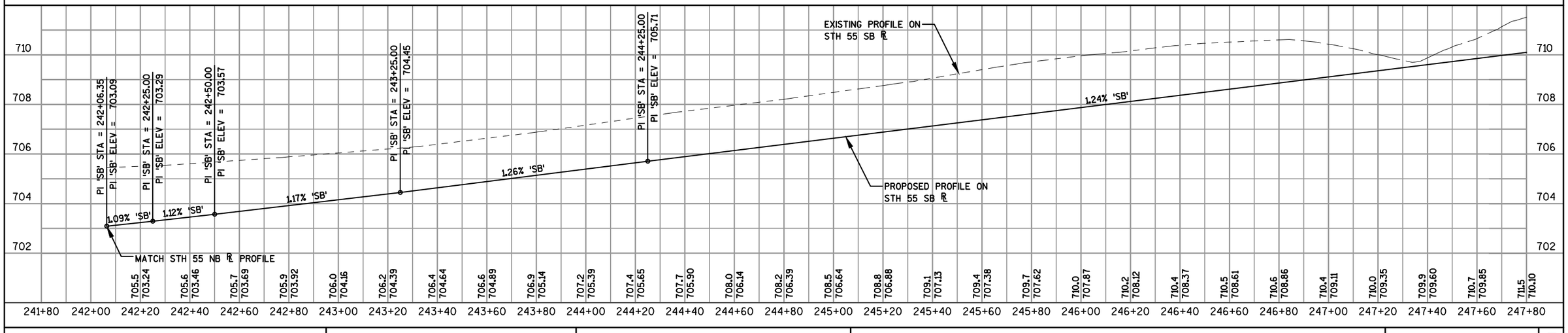




PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	PROFILE: STH 55 SOUTHBOUND	SHEET 381	E

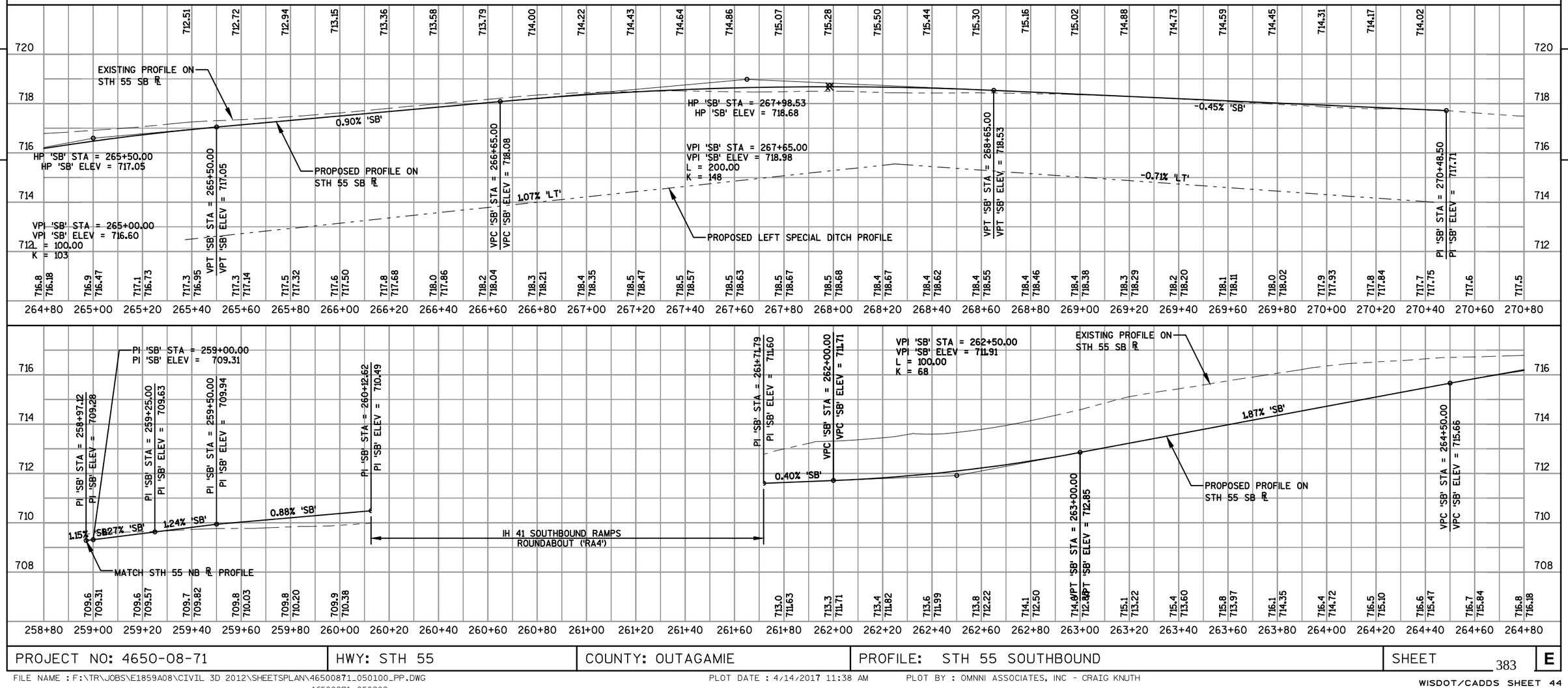






5 5

PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	PROFILE: STH 55 SOUTHBOUND	SHEET 382	E

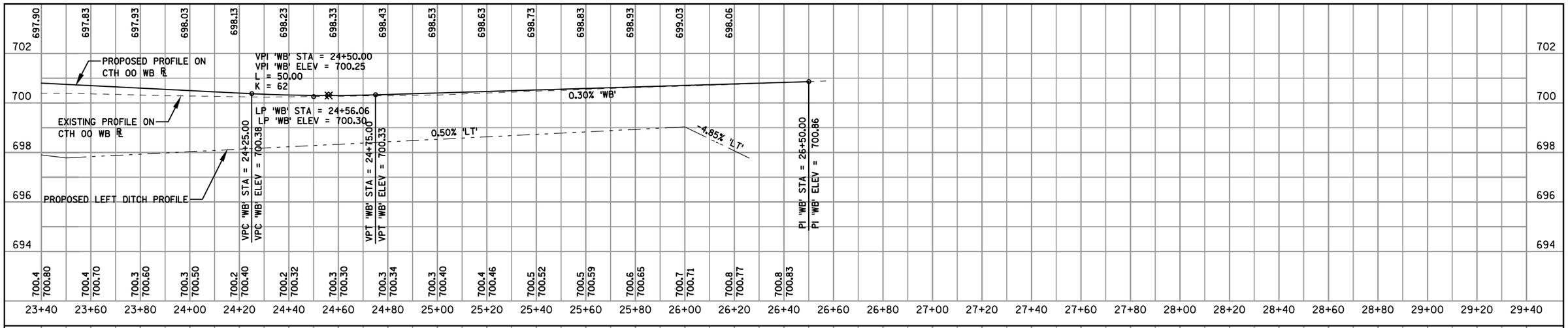


PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	PROFILE: STH 55 SOUTHBOUND	SHEET 383	E

FILE NAME : F:\TR\JOBS\E1859A08\CIVIL 3D 2012\SHEETSPLAN\46500871_050100_PP.DWG
46500871_050303_pr

PLOT DATE : 4/14/2017 11:38 AM PLOT BY : OMNNI ASSOCIATES, INC - CRAIG KNUTH

WISDOT/CADDS SHEET 44



PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	PROFILE: CTH 00 (HYLAND AVENUE) WESTBOUND	SHEET 384 E

FILE NAME : F:\TR\JOBS\E1859A08\CIVIL 3D 2012\SHEETSPLAN\46500871_050130_PP.DWG
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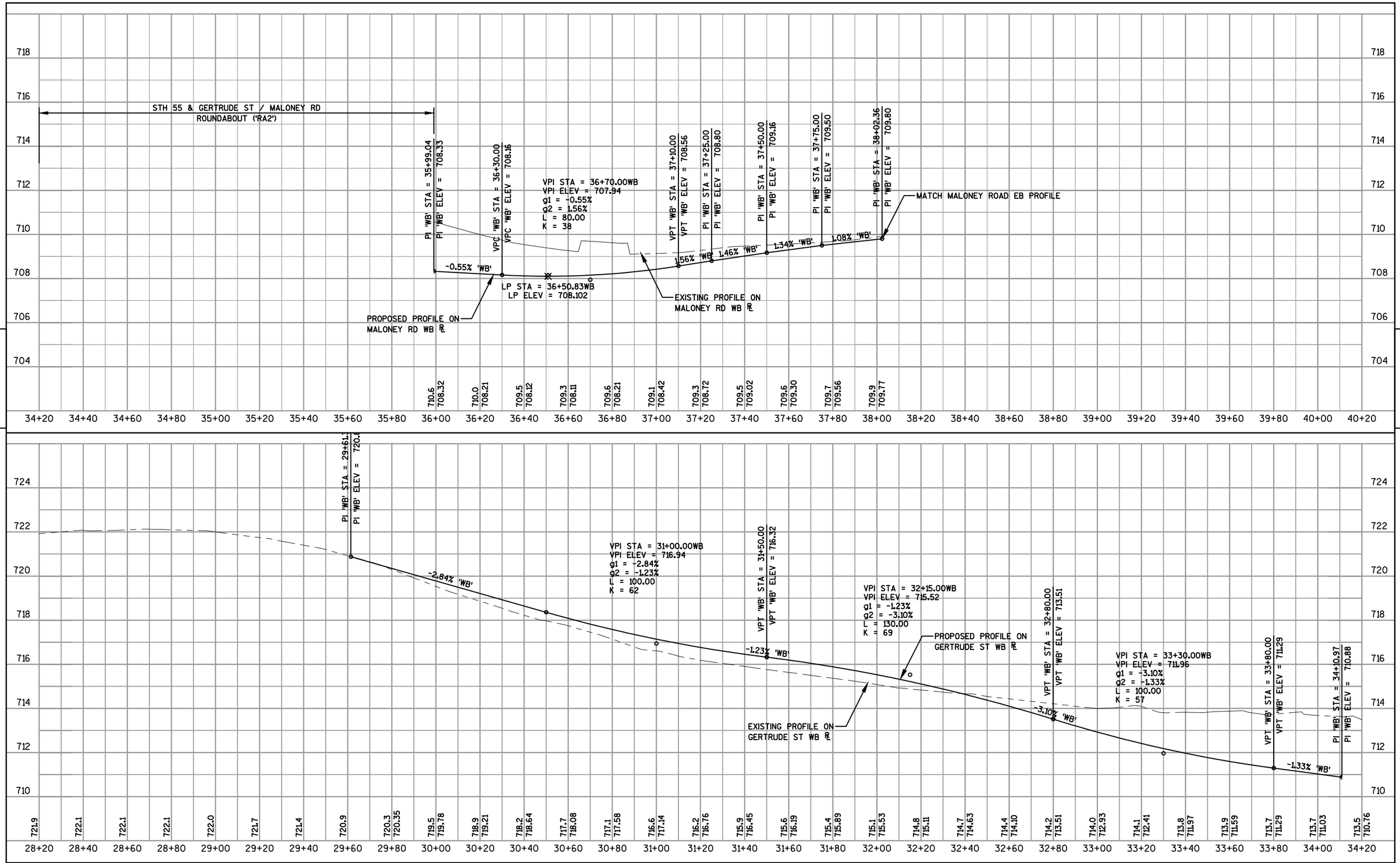
PLOT DATE : 4/14/2017 11:39 AM PLOT BY : OMNNI ASSOCIATES, INC - CRAIG KNUTH

WISDOT/CADDS SHEET 44



PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	PROFILE: GERTRUDE ST & MALONEY RD WESTBOUND	SHEET 385	E

FILE NAME : F:\TR\JOBS\E1859A08\CIVIL 3D 2012\SHEETSPLAN\46500871_050130_PP.DWG
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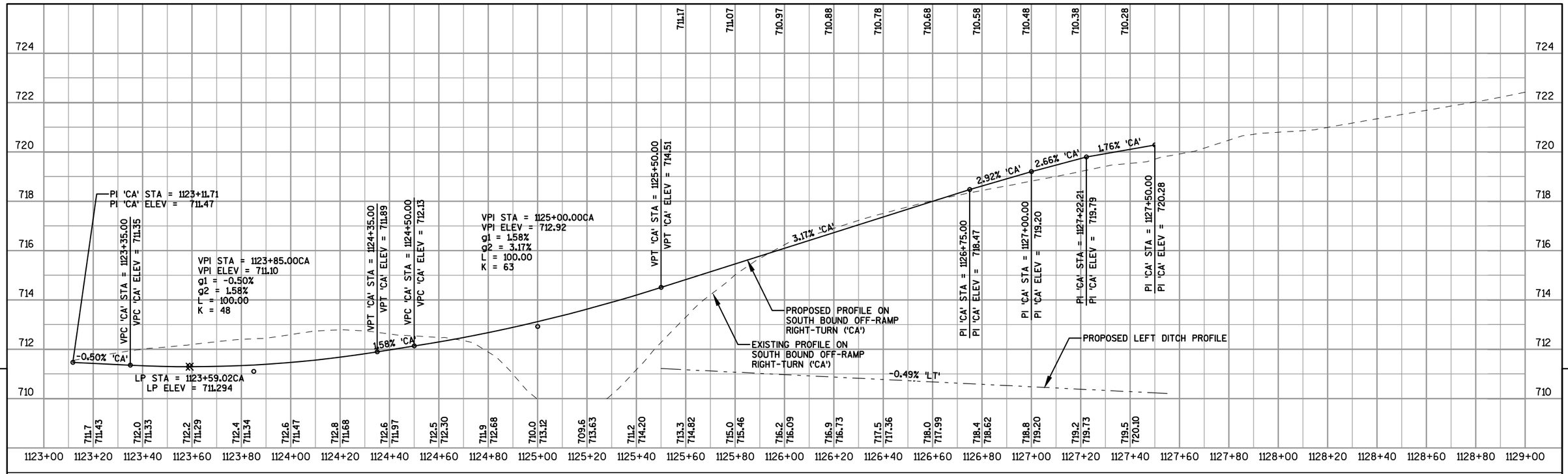
PLOT DATE : 4/14/2017 11:39 AM PLOT BY : OMNNI ASSOCIATES, INC - CRAIG KNUTH

WISDOT/CADDS SHEET 44



PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	PROFILE: IH 41 NB ('AB" & SB ('CA') OFF-RAMP RIGHT	SHEET 386	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
08B09-02	MANHOLES 3-FT, 4-FT, 5-FT, 6-FT, 7-FT AND 8-FT DIAMETER
08B10-02	MANHOLES 3X3-FT, 4X4-FT, 5X5-FT AND 6X6-FT
08B11-02	MANHOLES VARIABLE TEE AND SPECIAL 4-FT DIAMETER
08C07-02	INLETS 2X2-FT, 2X2.5-FT, 2X3-FT AND 2.5X3-FT
08C08-02	INLETS MEDIAN 1 AND 2 GRATE
08D01-19	CONCRETE CURB, CONCRETE CURB AND GUTTER AND TIES
08D04-05	CONCRETE SURFACE DRAINS & ASPHALTIC FLUMES
08D05-19A	CURB RAMPS TYPES 1 AND 1-A
08D05-19B	CURB RAMPS TYPES 2 AND 3
08D05-19C	CURB RAMPS TYPES 4A AND 4A1
08D05-19D	CURB RAMPS TYPE 4B AND 4B1
08D05-19E	CURB RAMPS TYPES 5, 6, 7A, 7B & 8
08D05-19F	CURB RAMPS RADIAL DETECTABLE WARNING FIELD APPLICATIONS
08D05-19G	CURB RAMPS RECTANGULAR AND RADIAL DETECTABLE WARNING PLATES
08E08-03	TYPICAL INSTALLATIONS OF EROSION BALES / TEMPORARY DITCH CHECKS
08E09-06	SILT FENCE
08E10-02	INLET PROTECTION TYPE A, B, C AND D
08E14-01	TRACKING PAD
08F01-11	APRON ENDWALLS FOR CULVERT PIPE
08F04-07	JOINT TIES FOR CONCRETE PIPE AND CONCRETE COLLAR DETAIL
08F06-04	REINFORCED CONCRETE APRON ENDWALL FOR PIPE UNDERDRAIN
08F08-02	STEEL APRON ENDWALLS FOR CULVERT PIPE AND PIPE ARCH SLOPED CROSS DRAINS
09B02-10	CONDUIT
09B16-01	PULL BOX NON-CONDUCTIVE
09C02-07	CONCRETE BASES, TYPES 1, 2, 5, & 6
09C03-04	TRANSFORMER/PEDESTAL BASES
09C05-10	CONCRETE CONTROL CABINET BASES
09C06-07	CONCRETE CONTROL CABINET BASE, TYPE 9, SPECIAL
09C14-02	CONCRETE CONTROL CABINET BASE, TYPE L
09D01-05	CABINET SERVICE INSTALLATION (METER BREAKER PEDESTAL)
09D02-03	SIGNAL CONTROL CABINET
09E01-14B	POLE MOUNTINGS FOR TRAFFIC SIGNALS AND LIGHTING UNITS, TYPE 3 (HEAVY DUTY)
09E01-14D	POLE MOUNTINGS FOR LIGHTING UNITS, TYPE 5 (30 FEET)
09E01-14G	HARDWARE DETAILS FOR POLE MOUNTINGS
09E03-05	NON-FREEWAY LIGHTING UNIT POLE WIRING
09E06-05	TRAFFIC SIGNAL STANDARD POLY BRACKET MOUNTINGS (TYPICAL) 13 FT. OR 15 FT.
09F04-04	LOOP DETECTOR INSTALLED IN NEW CONCRETE PAVEMENT ROUND CSCP PULLBOX
11B02-02	CONCRETE MEDIAN NOSE
12A03-10	NAME PLATE (STRUCTURES)
12A04-03	STRUCTURE IDENTIFICATION PLAQUES, RAMP GATES, SIGN BRIDGES & OVERHEAD SIGN SUPPORTS & TRAFFIC SIGNALS
13A05-05A	SHOULDER RUMBLE STRIP, MILLING
13A05-05B	SHOULDER RUMBLE STRIP, MILLING
13C01-18	CONCRETE PAVEMENT LONGITUDINAL JOINTS AND TIES
13C13-08	URBAN DOWELED CONCRETE PAVEMENT
13C17-01A	CONCRETE JOINT DETAIL FOR EXIT RAMP TERMINI
13C17-01B	CONCRETE JOINT DETAIL FOR ENTRANCE RAMP TERMINI
13C18-05A	CONCRETE PAVEMENT JOINTING
13C18-05B	CONCRETE PAVEMENT STEEL REINFORCEMENT
13C18-05C	CONCRETE PAVEMENT JOINT TYPES
13C18-05D	CONCRETE PAVEMENT JOINTING AT UTILITY FIXTURES
13C18-05E	CONCRETE PAVEMENT JOINTING AND STEEL REINFORCEMENT IN ROUNDABOUTS
14A02-01	TREE PLANTING DETAIL
14B15-10A	STEEL PLATE BEAM GUARD, CLASS "A" INSTALLATION & ELEMENTS
14B15-10B	STEEL PLATE BEAM GUARD, CLASS "A" INSTALLATION & ELEMENTS
14B15-10C	STEEL PLATE BEAM GUARD, CLASS "A", INSTALLATION & ELEMENTS
14B16-04A	ANCHORAGE FOR STEEL PLATE BEAM GUARD TYPE 2
14B16-04B	ANCHORAGE FOR STEEL PLATE BEAM GUARD TYPE 2
14B24-09A	STEEL PLATE BEAM GUARD ENERGY ABSORBING TERMINAL
14B24-09B	STEEL PLATE BEAM GUARD ENERGY ABSORBING TERMINAL
14B24-09C	STEEL PLATE BEAM GUARD ENERGY ABSORBING TERMINAL
14B42-05A	MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL
14B42-05B	MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL
14B42-05C	MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL

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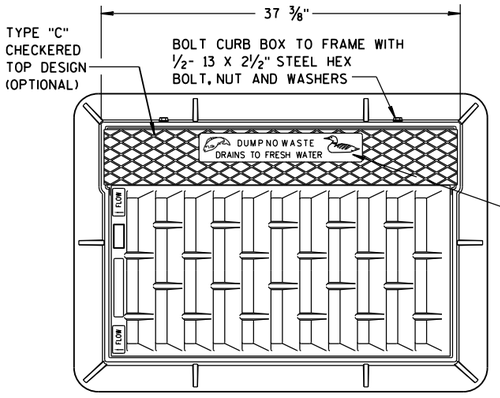
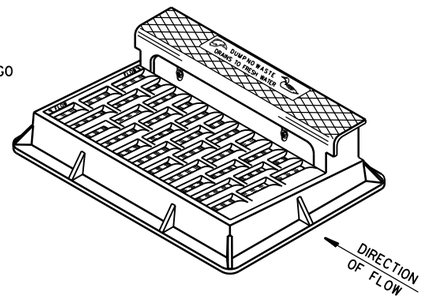
Standard Detail Drawing List

14B44-03A	MIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MGS)
14B44-03B	MIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MGS)
14B44-03C	MIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MGS)
14B47-02A	MIDWEST GUARDRAIL SYSTEM (MGS) TYPE 2 TERMINAL
14B47-02B	MIDWEST GUARDRAIL SYSTEM (MGS) TYPE 2 TERMINAL
14B47-02C	MIDWEST GUARDRAIL SYSTEM (MGS) TYPE 2 TERMINAL
15A02-09	DELINEATOR POST, DELINEATOR REFLECTOR AND DELINEATOR BRACKET WITH REFLECTIVE SHEETING
15A03-02A	FLEXIBLE MARKER POST FOR CULVERT END
15A03-02B	FLEXIBLE MARKER POST FOR CULVERT END
15A04-03C	DELINEATOR POST WITH REFLECTIVE SHEETING
15A04-03D	DELINEATOR WITH REFLECTIVE SHEETING
15B03-15A	FENCE CHAIN LINK
15B03-15B	FENCE CHAIN LINK
15C02-06A	BARRICADES AND SIGNS FOR MAINLINE CLOSURES
15C02-06B	BARRICADES AND SIGNS FOR MAINLINE CLOSURES
15C02-06C	DETOUR SIGNING FOR MAINLINE CLOSURES
15C03-03	BARRICADES AND SIGNS FOR SIDEROAD CLOSURES
15C07-14B	PAVEMENT MARKING WORDS
15C07-14C	PAVEMENT MARKING ARROWS
15C07-14D	ROUNDABOUT ARROWS
15C07-14E	PAVEMENT MARKING FOR BIKE LANES
15C08-18A	LONGITUDINAL MARKING (MAINLINE)
15C08-18B	PAVEMENT MARKING (TURN LANES)
15C09-10A	SIGNING AND PAVEMENT MARKING DETAILS FOR RAILROAD-HIGHWAY GRADE CROSSINGS
15C18-04	MEDIAN ISLAND MARKING
15C27-02B	PAVEMENT MARKING (ISLANDS)
15C29-05A	BICYCLE LANE MARKING
15C31-02A	PAVEMENT MARKING (RAMPS AND GORES)
15C31-02C	PAVEMENT MARKING FOR PARALLEL ON-RAMP AND PARALLEL OFF-RAMP
15C33-02	STOP LINE AND CROSSWALK PAVEMENT MARKING
15D12-06A	TRAFFIC CONTROL, LANE CLOSURE
15D12-06B	TRAFFIC CONTROL, LANE CLOSURE, SPEED REDUCTION
15D16-03	TRAFFIC CONTROL, EXIT RAMP CLOSURE
15D20-04	TRAFFIC CONTROL, SINGLE LANE CLOSURE, NON-FREEWAY/EXPRESSWAY
15D27-03	TRAFFIC CONTROL, SHOULDER CLOSURE ON DIVIDED ROADWAY, SPEEDS GREATER THAN 40 MPH
15D30-03A	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-03B	TRAFFIC CONTROL, TEMPORARY ADA COMPLIANT PEDESTRIAN ACCOMMODATION
15D30-03C	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D34-02A	RAMP GATE SOLAR POWER
15D34-02B	RAMP GATE SOLAR POWER
15D34-02C	RAMP GATE SOLAR POWER
15D34-02D	RAMP GATE SOLAR POWER
15D38-02A	TEMPORARY TRAFFIC CONTROL SIGN MOUNTING
15D38-02B	ATTACHMENT OF SIGNS TO POSTS

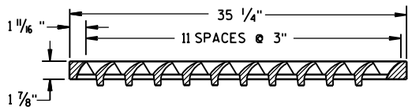
6

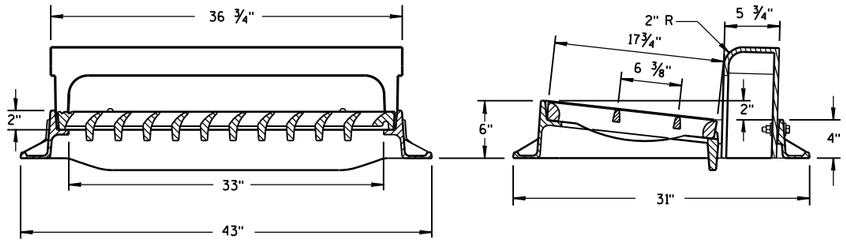


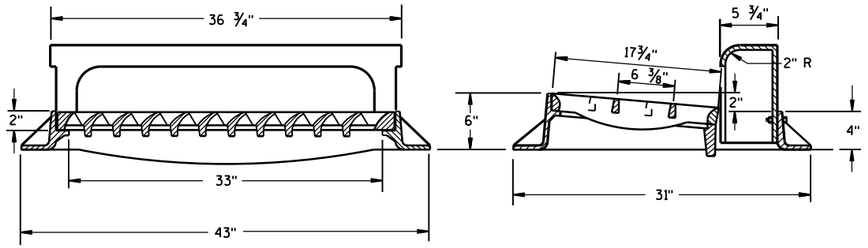
NOTE:
GRATE IS REVERSIBLE.



NOTE: CURB BOX HEIGHT ADJUSTABLE 6" TO 9"

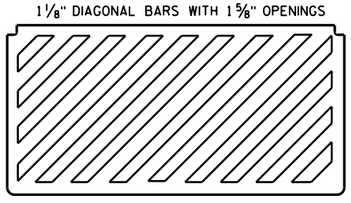






TYPE "H"

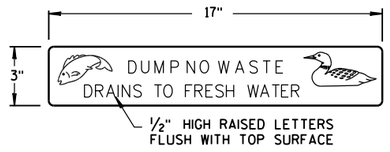
NOTE: EITHER CASTING IS ACCEPTABLE



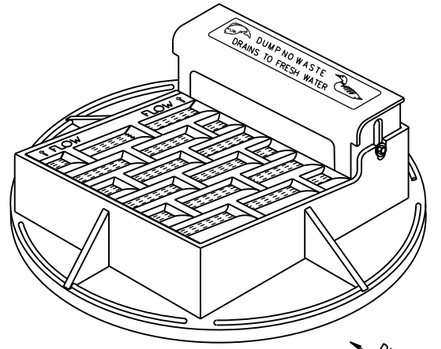
SPECIAL GRATE FOR TYPE "H" COVER

(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"

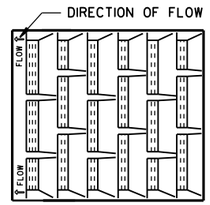
NOTE:
GRATE IS REVERSIBLE.

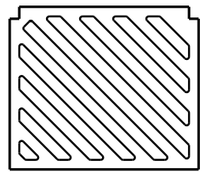
GENERAL NOTES

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.

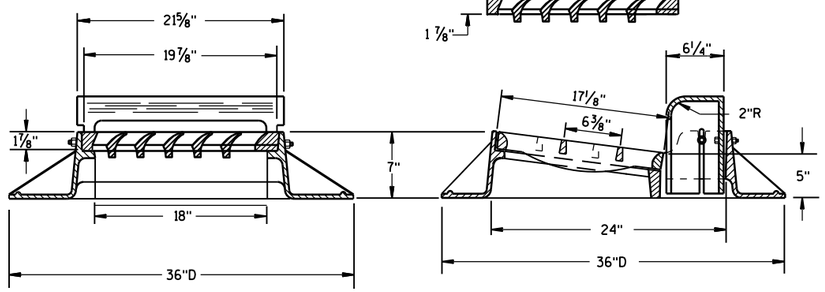




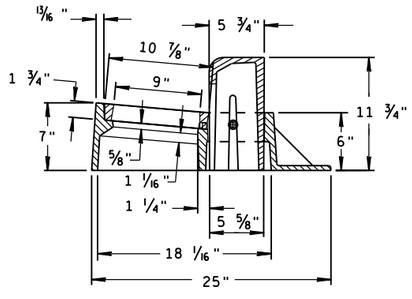
SPECIAL GRATE FOR TYPE "A" COVER

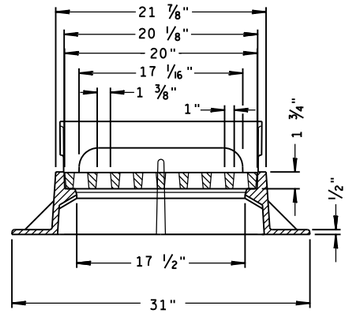
(MEASURES 19 3/4" X 17" X 1 7/8")

(NOTED AS TYPE A-S ON DRAINAGE TABLE)

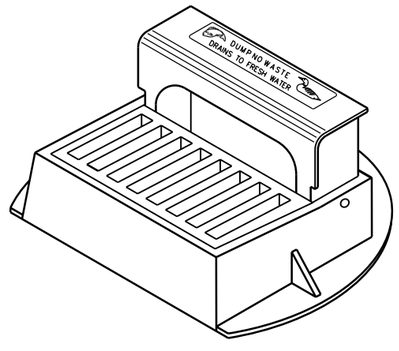


TYPE "A"





TYPE "Z"



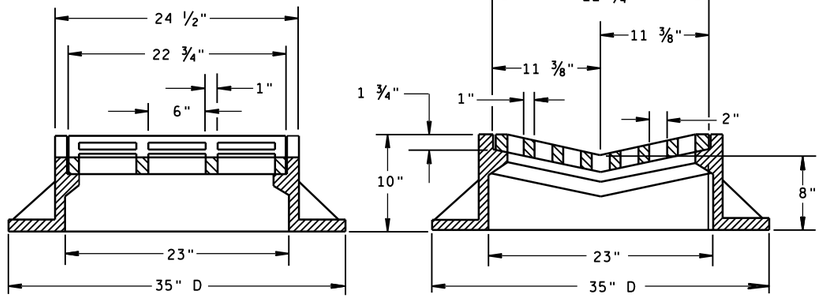
INLET COVERS
TYPE A, H, A-S, H-S & Z

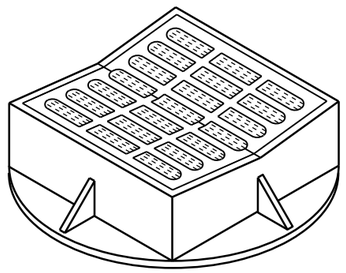
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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

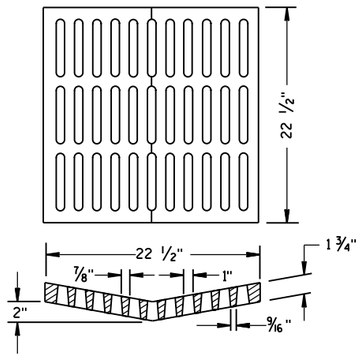
6

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



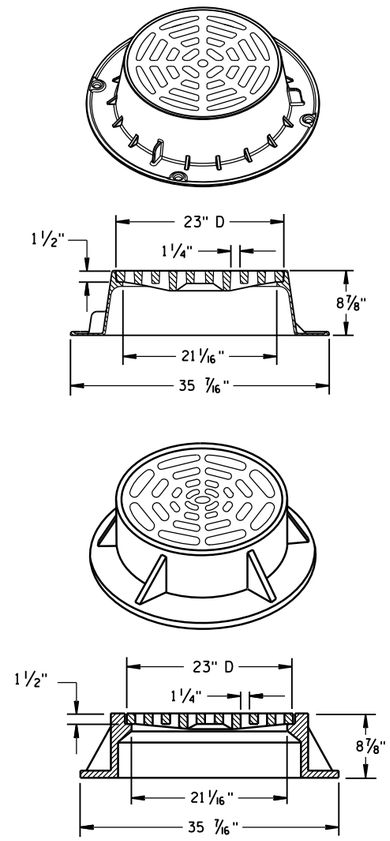


TYPE "B"



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"

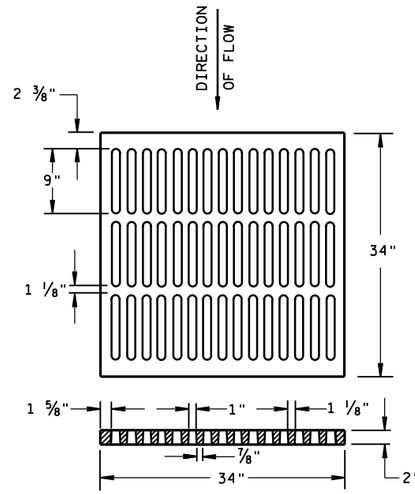
NOTE: EITHER CASTING IS ACCEPTABLE

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.

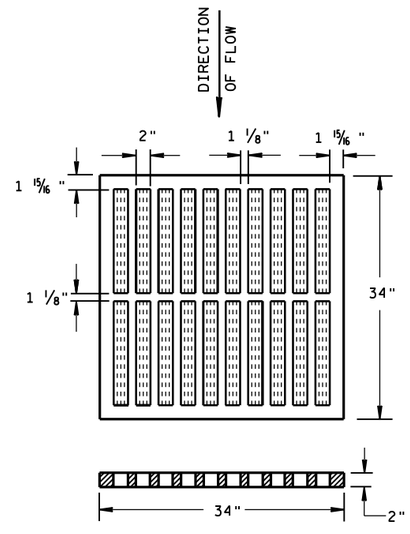
DETAIL DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR CATCH BASIN, MANHOLE AND INLET COVERS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

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



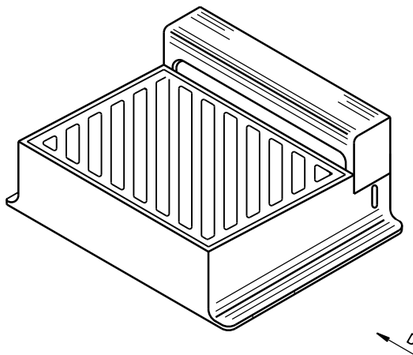
ALTERNATIVE TYPE "MS"

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

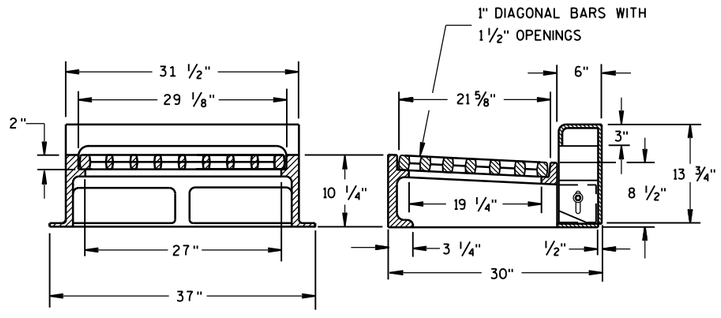


TYPE "MS"

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"

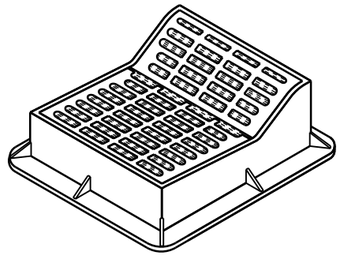
INLET COVERS TYPE B, B-A, C, MS, MS-A, & WM

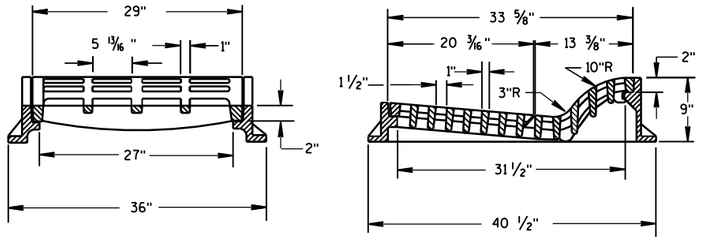
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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

6

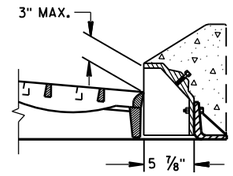
S.D.D. 8 A 5-19b





TYPE "F"

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



ALTERNATIVE CURB BOX FOR TYPE "HM" COVER

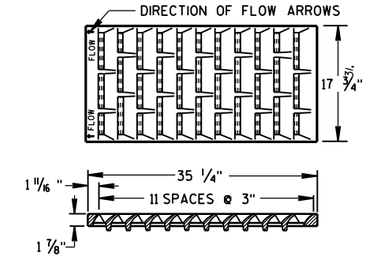
USE WITH TYPES G & J CONCRETE CURB & GUTTER, 30 INCH
NOTED AS TYPE HM-GJ ON DRAINAGE TABLE

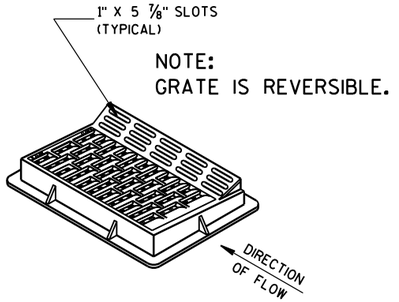
NOTE:
SPECIAL GRATE FOR THE
TYPE "H" COVER MAY ALSO BE
USED FOR THE TYPE "HM-GJ" COVER
NOTED AS TYPE HM-GJ-S ON DRAINAGE TABLE

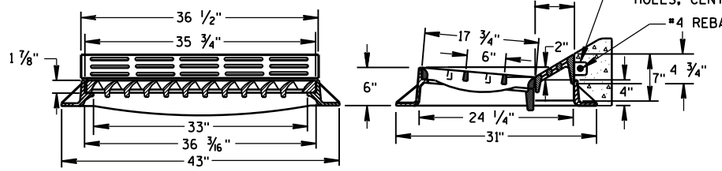
GENERAL NOTES

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.



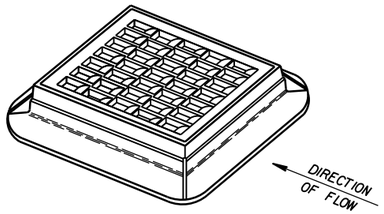


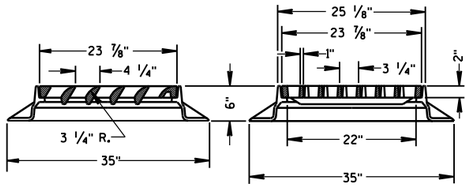


TYPE "HM"

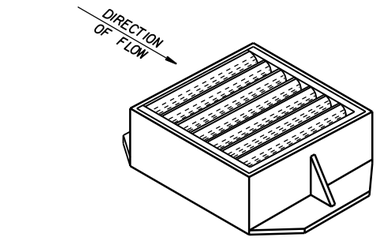
USE WITH TYPES A & D CONCRETE CURB & GUTTER, 36 INCH.

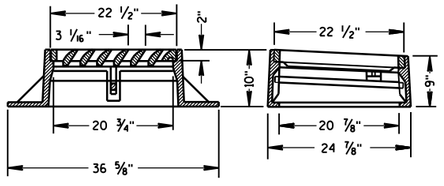
NOTE:
SPECIAL GRATE FOR THE
TYPE "H" COVER MAY ALSO BE
USED FOR THE TYPE "HM" COVER
NOTED AS TYPE HM-S ON DRAINAGE TABLE



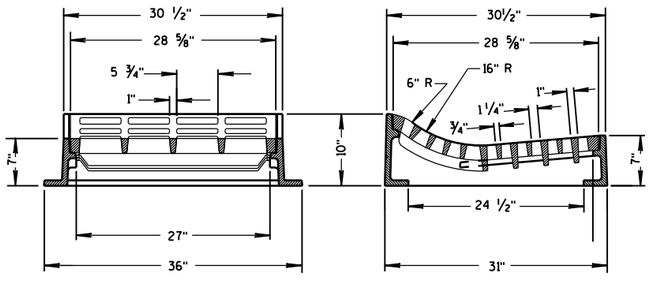


TYPE "S"



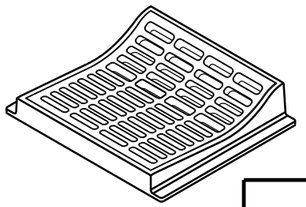


TYPE "V"



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

391

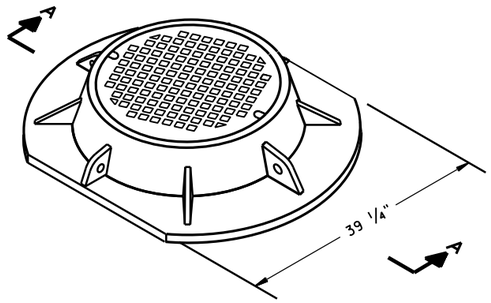
FHWA

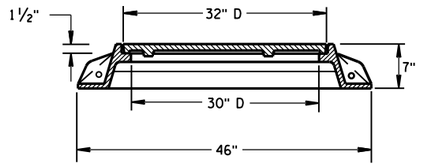
6

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

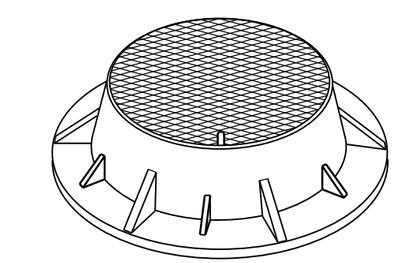
6

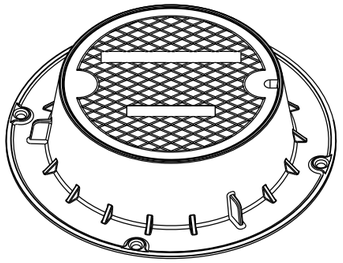
S.D.D. 8 A 5-19c

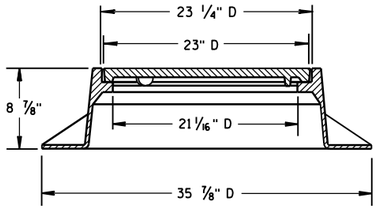


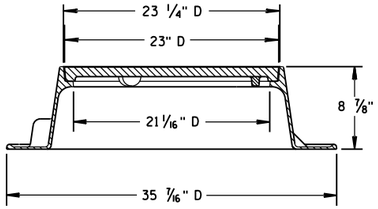


SECTION A-A
TYPE "K"









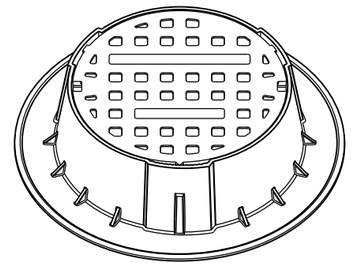
TYPE "J"
NOTE: EITHER CASTING IS ACCEPTABLE

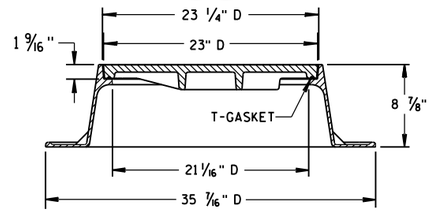
GENERAL NOTES

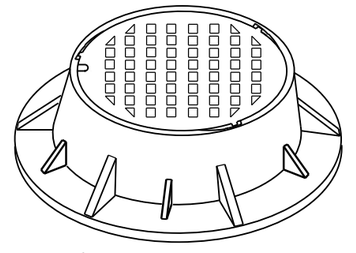
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

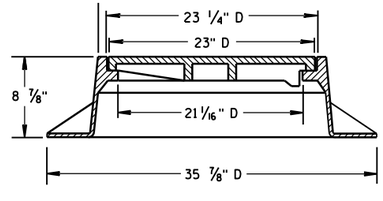
DETAIL DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR MANHOLE COVERS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

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

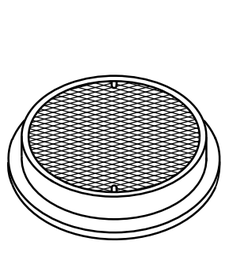


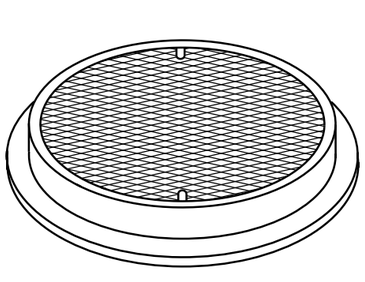


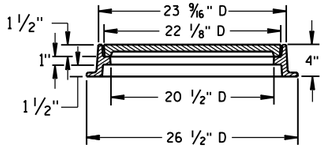




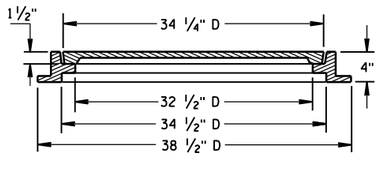
TYPE "J" SPECIAL
TYPE "B" NON-ROCKING SELF-SEAL LID
(NOTED AS TYPE J-S ON THE DRAINAGE TABLE)
NOTE: EITHER CASTING IS ACCEPTABLE



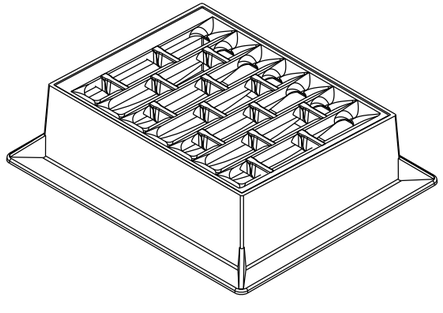


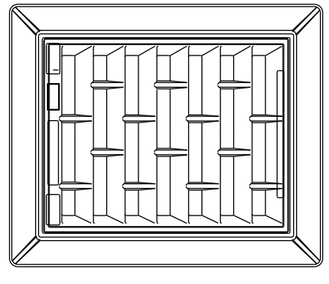


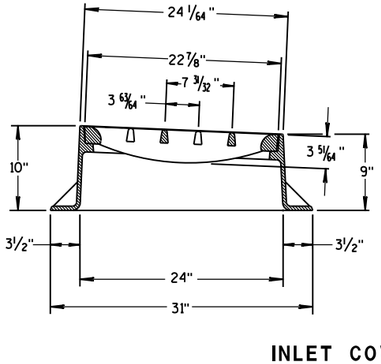
TYPE "L"

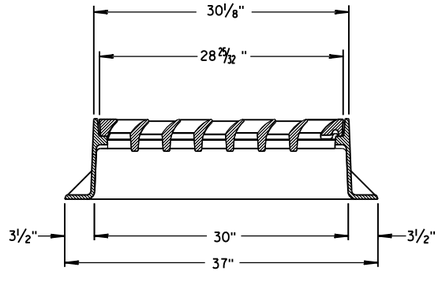


TYPE "M"









INLET COVER TYPE "BW"

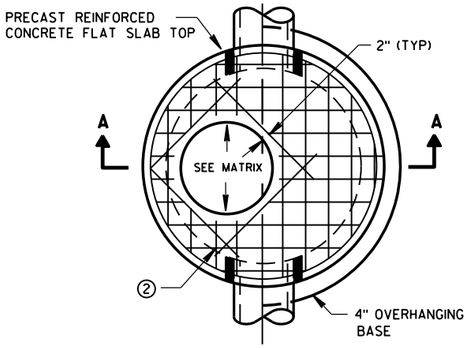
INLET COVER TYPE BW
MANHOLE COVERS, TYPE K, J, J-S, L & M

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

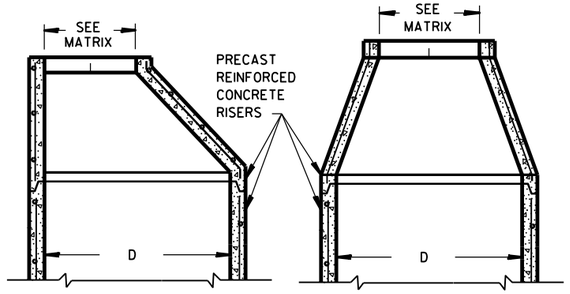
APPROVED
11/27/2013
DATE
/S/ Jerry H. Zogg
ROADWAY STANDARDS DEVELOPMENT ENGINEER
FHWA

6

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

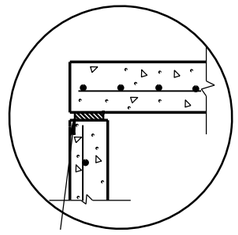


PLAN VIEW CIRCULAR OPENING

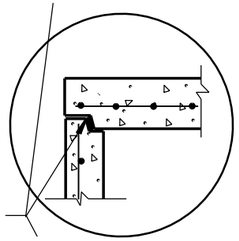


OPTIONAL PRECAST REINFORCED CONCRETE ECCENTRIC TOP

OPTIONAL PRECAST REINFORCED CONCRETE CONCENTRIC TOP

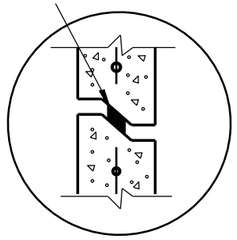


TOP WITH PLAIN END JOINT



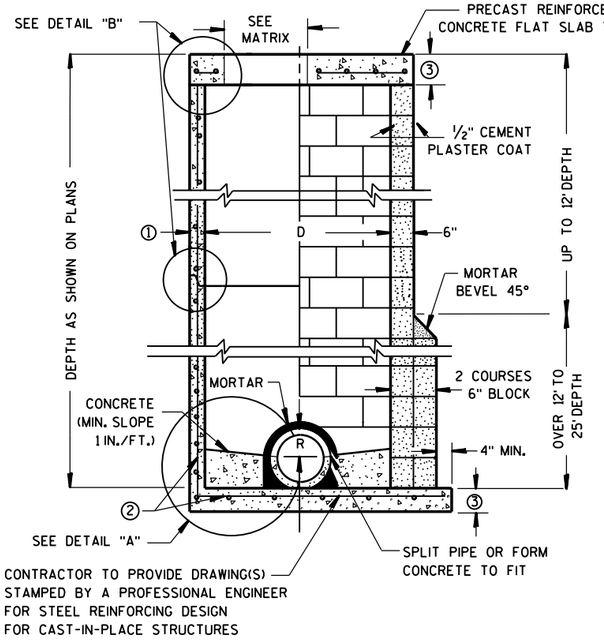
JOINTS TO BE SEALED WITH A BUTYL RUBBER SEAL PER SEALANT MANUFACTURERS RECOMMENDATIONS CONFORMING TO ASTM C990 (TYP)

TOP WITH TONGUE AND GROOVE JOINT



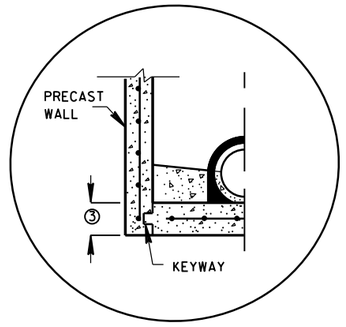
RISER WITH TONGUE AND GROOVE JOINT

DETAIL "B"

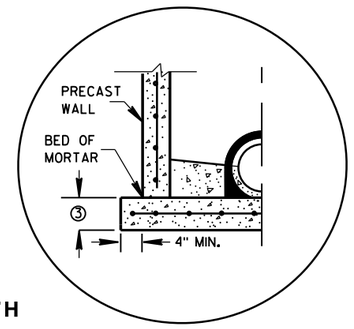


PRECAST REINFORCED CONCRETE WITH MONOLITHIC BASE

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

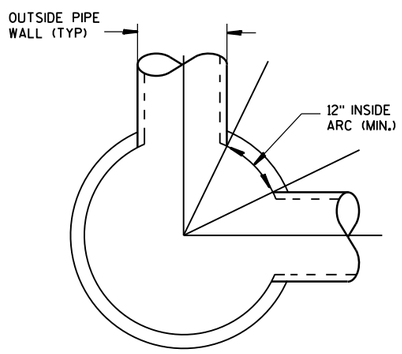


PRECAST REINFORCED CONCRETE WITH INTEGRAL BASE OPTION



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 FOUNDATION 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.

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

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

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

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

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

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

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

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

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

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

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

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

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

MANHOLE COVER OPENING MATRIX

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

PIPE MATRIX

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

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

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

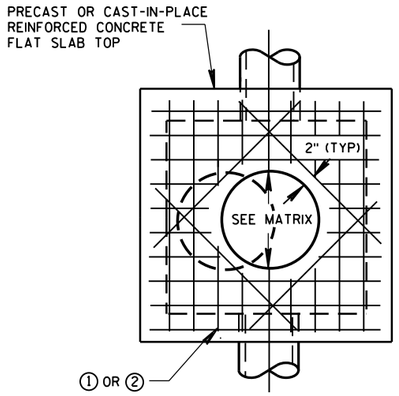
APPROVED

Sept., 2016
DATE

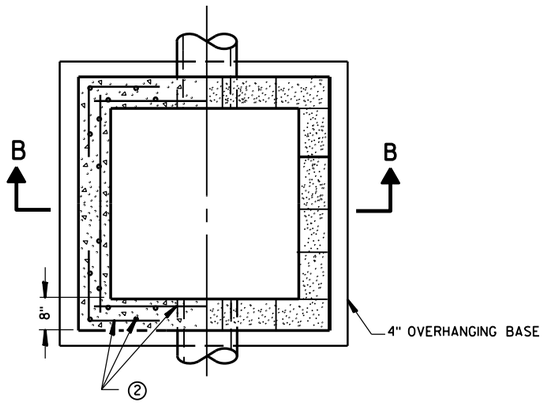
/S/ Rodney Taylor
ROADWAY STANDARDS DEVELOPMENT
UNIT SUPERV

FHWA

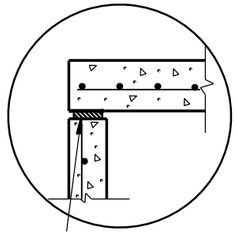
6
S.D.D. 8 B 9-2



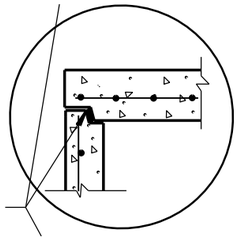
PLAN VIEW
CIRCULAR OPENING



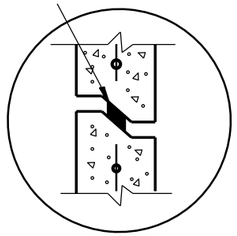
SECTION A-A
PLAN VIEW



TOP WITH PLAIN END JOINT

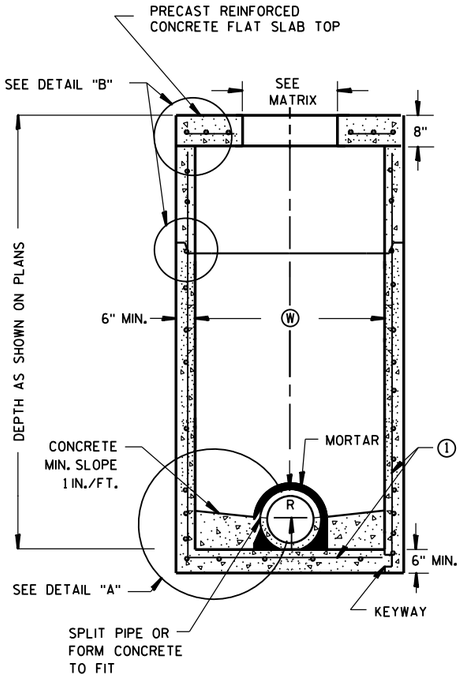


TOP WITH TONGUE AND GROOVE JOINT

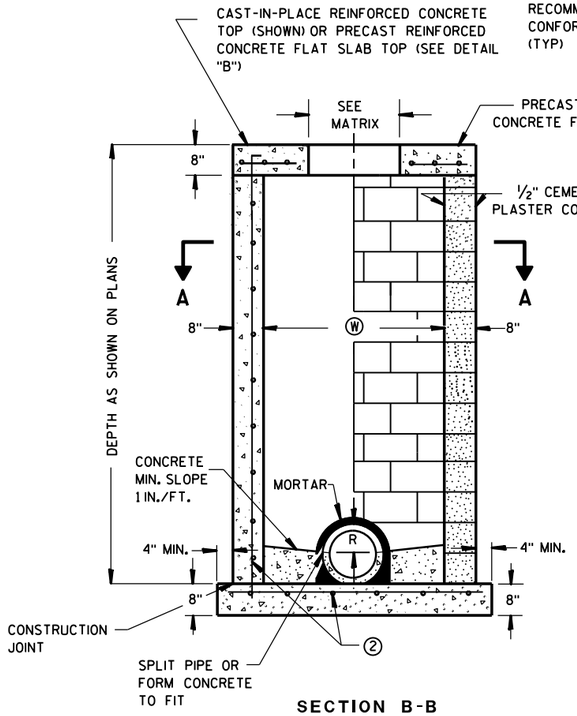


RISER WITH TONGUE AND GROOVE JOINT

DETAIL "B"



PRECAST REINFORCED CONCRETE WITH MONOLITHIC BASE

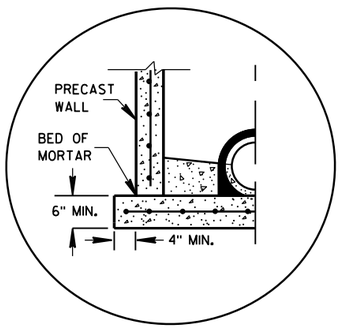


SECTION B-B

PRECAST REINFORCED CONCRETE WITH INTEGRAL BASE

CAST-IN-PLACE REINFORCED CONCRETE

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



SEPARATE PRECAST REINFORCED CONCRETE BASE OPTION

DETAIL "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.

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 FOUNDATION BACKFILL. THIS BEDDING SHALL BE COMPACTED AND PROVIDE UNIFORM SUPPORT FOR THE ENTIRE AREA OF THE BASE.

PRECAST REINFORCED FLAT SLAB TOPS MAY BE USED ON CONCRETE BLOCK STRUCTURES.

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 INCH AND MEET THE REQUIREMENTS OF ASTM A615.

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

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

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

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 ASTM C 913.

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.

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

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

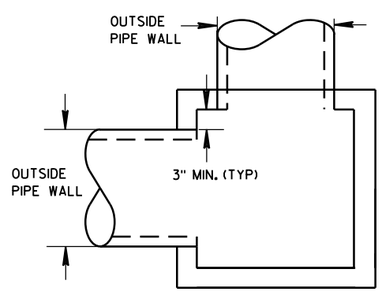
② CONTRACTOR TO PROVIDE DRAWING(S) STAMPED BY A PROFESSIONAL ENGINEER FOR STEEL REINFORCING DESIGN FOR CAST-IN-PLACE STRUCTURES.

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	
	WIDTH (W) (IN)	LENGTH (L) (IN)
3X3-FT	24	24
4X4-FT	30	30
5X5-FT	42	42
6X6-FT	54	54



DETAIL "C"

SQUARE MANHOLES W/ FLAT TOP

MANHOLES 3X3-FT, 4X4-FT, 5X5-FT AND 6X6-FT

MANHOLES 3X3-FT, 4X4-FT 5X5-FT AND 6X6-FT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept., 2016
DATE
FHWA

/S/ Rodney Taylor
ROADWAY STANDARDS
UNIT SUPERV

MENT

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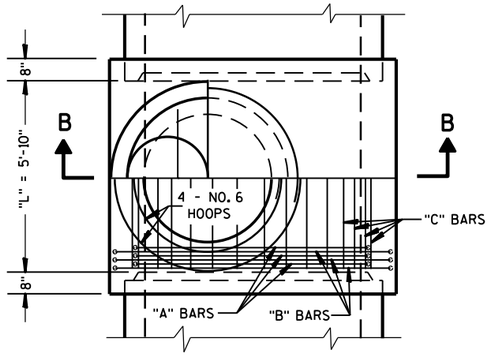
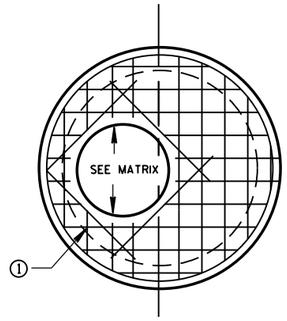
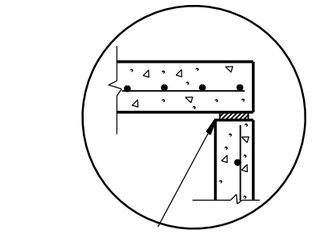
S.D.D. 8 B 10-2



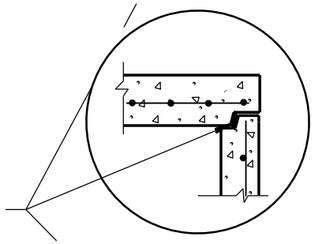
HALF SECTION A-A



PLAN VIEW PRECAST REINFORCED CONCRETE FLAT SLAB TOP WITH ECCENTRIC OPENING

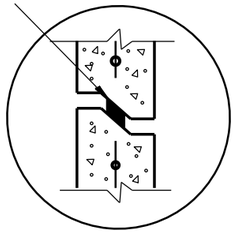


TOP WITH PLAIN END JOINT



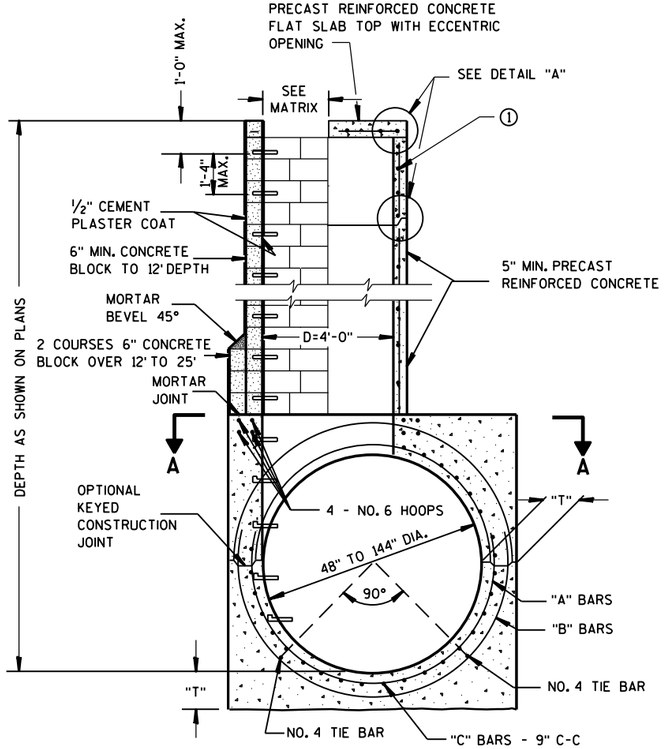
TOP WITH TONGUE AND GROOVE JOINT

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



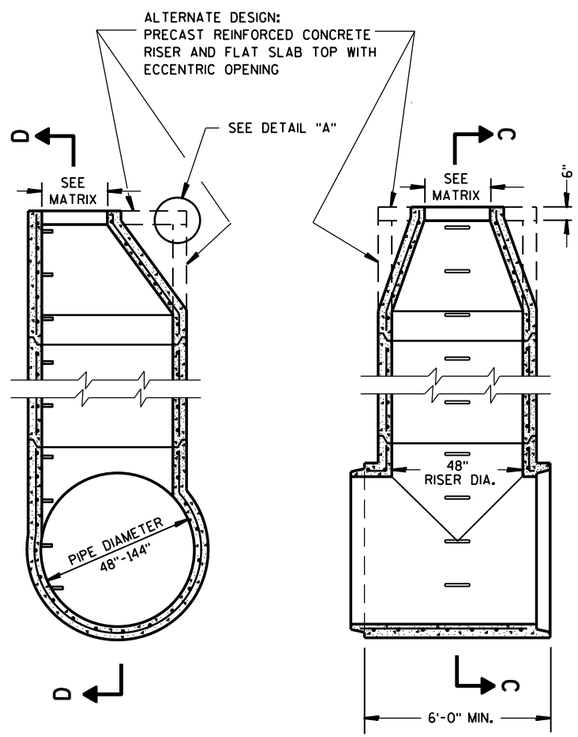
RISER WITH TONGUE AND GROOVE JOINT

DETAIL "A"



SECTION B-B

MANHOLE VARIABLE SPECIAL 4-FT DIAMETER



SECTION C-C SECTION D-D

MANHOLE VARIABLE TEE 4-FT DIAMETER

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 4T-L", "MANHOLES 4S-M", ETC. THE VARIABLE TEE IS DENOTED BY 4T AND THE VARIABLE SPECIAL IS DENOTED BY 4S. THE FOLLOWING LETTER DESIGNATES THE TYPE OF COVER TO BE USED TO COMPRISE THE COMPLETE UNIT.

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

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

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

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

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

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

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

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

(1) FOR PRECAST MANHOLES PROVIDE REINFORCING STEEL IN ACCORDANCE WITH AASHTO M 199.

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

NOTES FOR MANHOLE VARIABLE SPECIAL 4-FT DIAMETER

NOTE: ALL "A", "B", AND "C" BAR STEEL REINFORCING IS THE SAME DIAMETER WHICH VARIES WITH DEPTH.
NO. 5 BARS TO 20' DEPTH
NO. 6 BARS OVER 20' TO 30' DEPTH
NO. 7 BARS OVER 30' TO 40' DEPTH

THE "A" AND "B" BARS MAY BE PLACED IN ONE OR TWO SEGMENTS, AND SHALL LAP 24 BAR DIAMETERS.

"C" BARS SHALL HAVE STANDARD HOOKED ENDS.

NOTE: "T" THROUGHOUT LENGTH "L" SHALL BE 13" FOR PIPE DIAMETER 48" TO 84" AND 15" FOR PIPE DIAMETER GREATER THAN 84".

MANHOLE VARIABLE TEE AND SPECIAL 4-FT DIAMETER

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

Sept., 2016
DATE

/S/ Rodney Taylor
ROADWAY STANDARDS UNIT SUPERVISOR

FHWA

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S.D.D. 8 B 11-2

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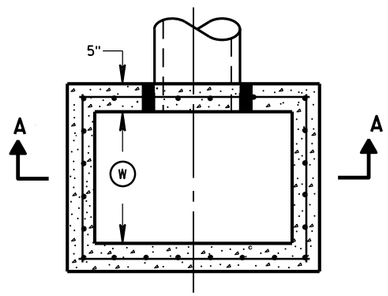
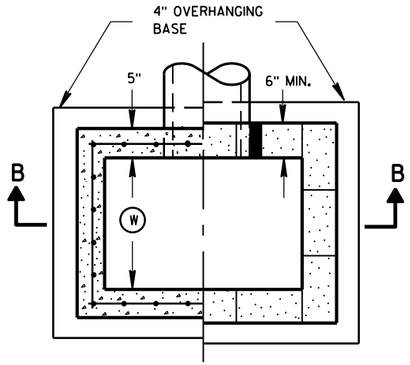
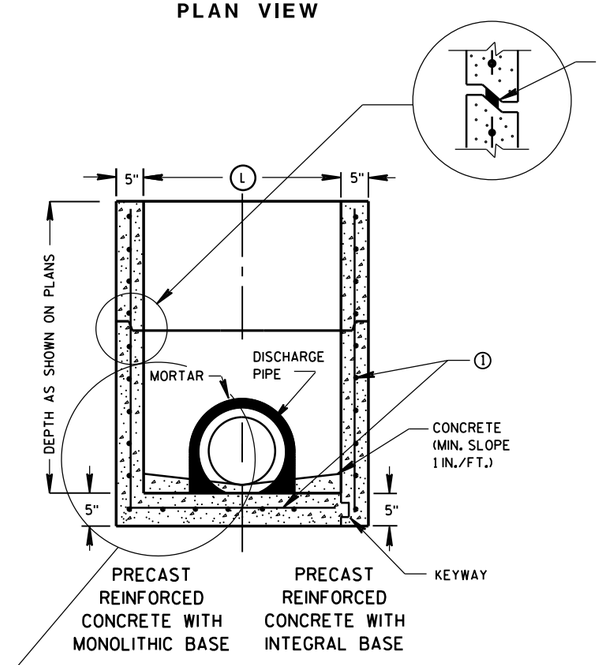
S.D.D. 8 B 11-2



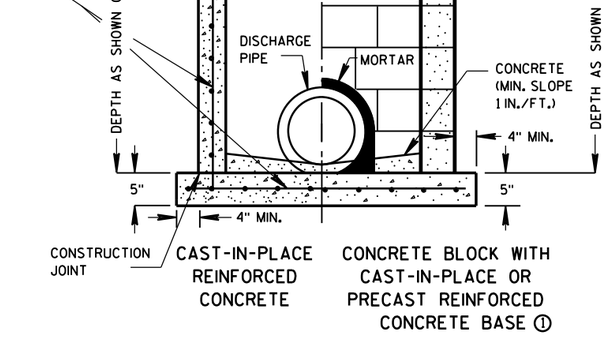
PLAN VIEW



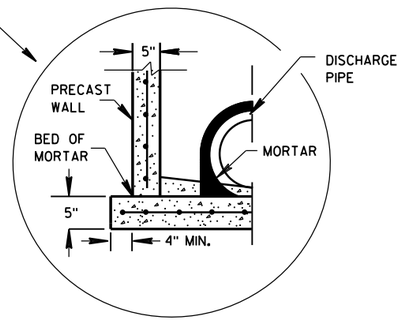
PLAN VIEW



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 FOUNDATION 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.

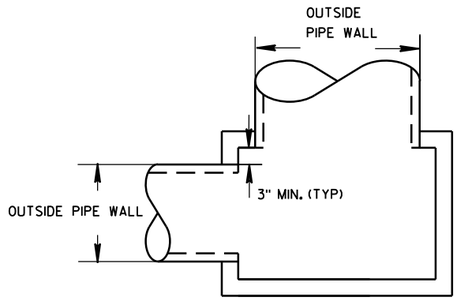
② CONTRACTOR TO PROVIDE DRAWING(S) STAMPED BY A PROFESSIONAL ENGINEER FOR STEEL REINFORCING DESIGN FOR CAST-IN-PLACE STRUCTURES.

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

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept., 2016 — DATE
/S/ Rodney Taylor
ROADWAY STANDARDS D IT UNIT SUPERVIS
FHWA

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

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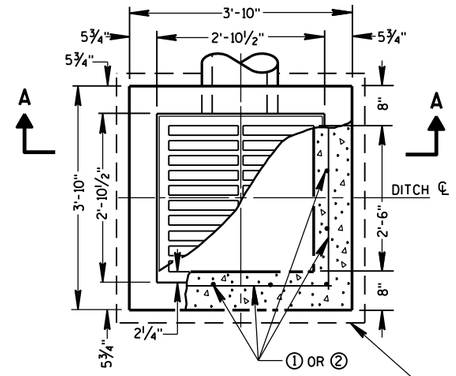
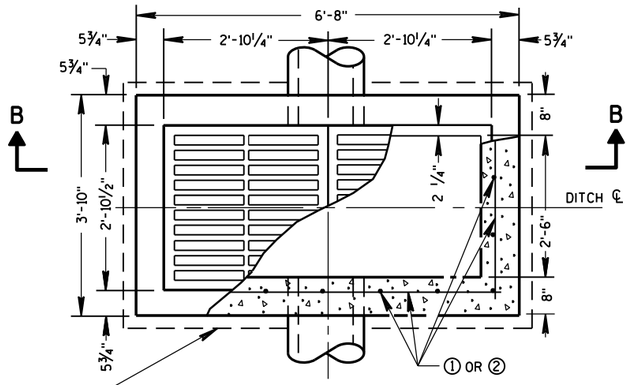
S.D.D. 8 C 7-2

6

S.D.D. 8 C 7-2

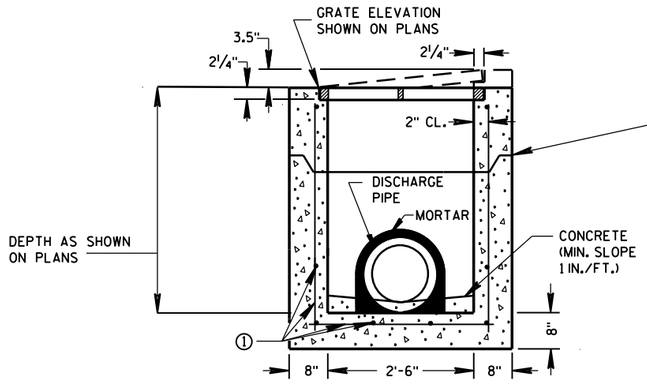


PLAN VIEW

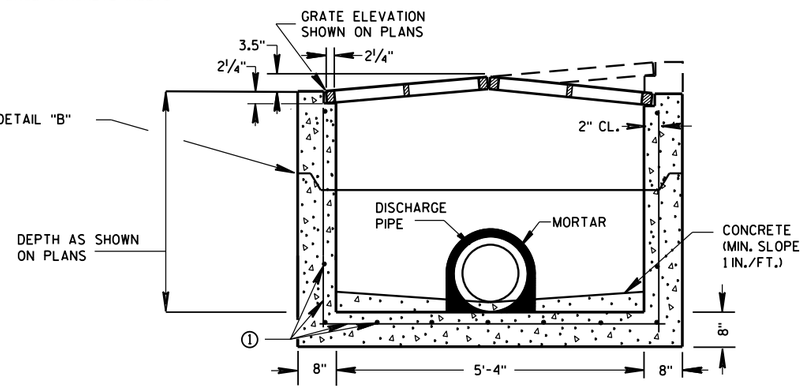


PLAN VIEW

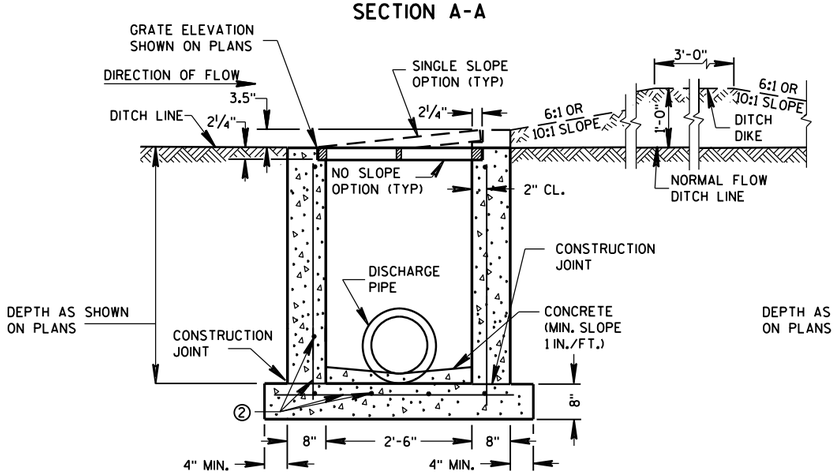
4" OVERHANGING BASE ON REINFORCED CAST-IN-PLACE CONCRETE INLETS



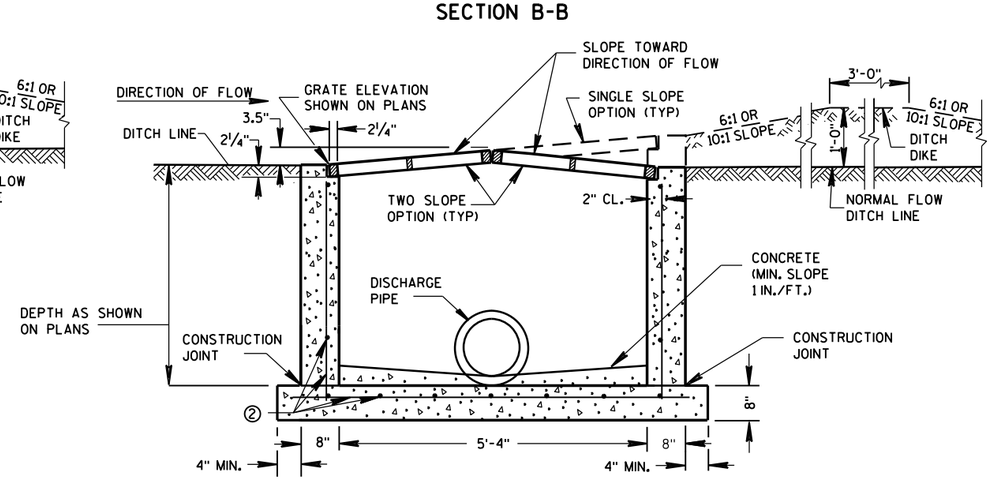
PRECAST REINFORCED CONCRETE SECTION A-A



PRECAST REINFORCED CONCRETE SECTION B-B



REINFORCED CAST-IN-PLACE CONCRETE SECTION A-A



REINFORCED CAST-IN-PLACE CONCRETE SECTION B-B

INLETS MEDIAN 1 GRATE

INLETS MEDIAN 2 GRATE

GENERAL NOTES

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

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

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

ALL MEDIAN INLETS ARE DESIGNATED ON THE PLANS AS "INLETS, IG-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.

BASES SHALL BE PLACED ON A BED OF MATERIAL AT LEAST 6 INCHES IN DEPTH, WHICH MEETS THE REQUIREMENTS OF FOUNDATION 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.

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

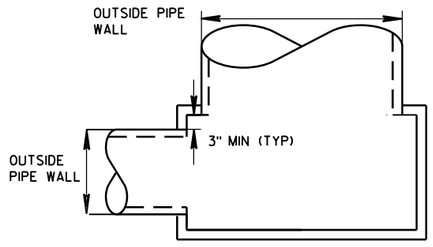
MAXIMUM INSIDE PIPE DIAMETER DETERMINED BY 3" CLEARANCE ON EACH SIDE OF THE OUTSIDE WALL OF THE PIPE. SEE DETAIL "A". ASSUMES PIPE ENTERS PERPENDICULAR TO THE STRUCTURE.

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.

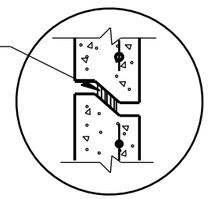
PIPE MATRIX

	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 AND 2 GRATE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept., 2016 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS UNIT SUPERVI ENT
FHWA

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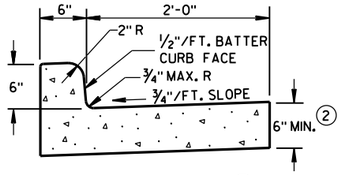
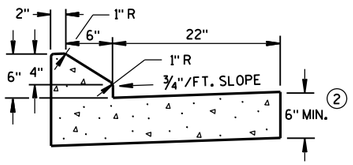
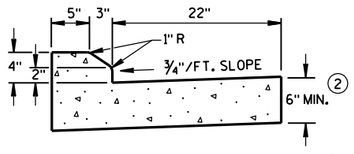
S.D.D. 8 C 8-2



TYPES A & D ①

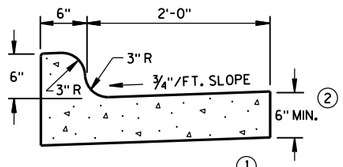


6" SLOPED CURB TYPES G & J ①

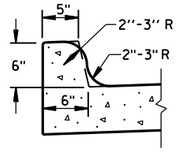


4" SLOPED CURB TYPES G & J ①

CONCRETE CURB & GUTTER 30"

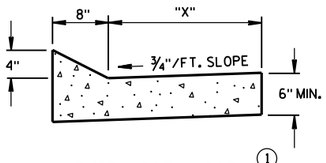


TYPES K & L ①



OPTIONAL CURB SHAPE FOR TYPES K & L ①

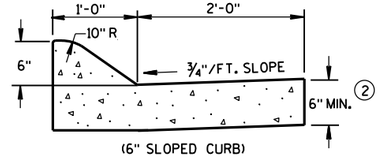
CONCRETE CURB & GUTTER 30"



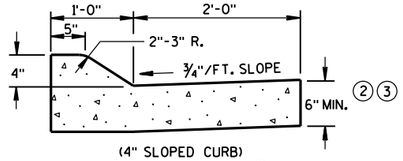
TYPES TBT & TBTT ①

CONCRETE CURB & GUTTER

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

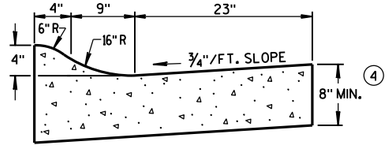


(6" SLOPED CURB)



(4" SLOPED CURB)

TYPES A & D ①



4" SLOPED CURB TYPES R & T ①⑤

CONCRETE CURB & GUTTER 36"

GENERAL NOTES

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

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

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

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

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

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

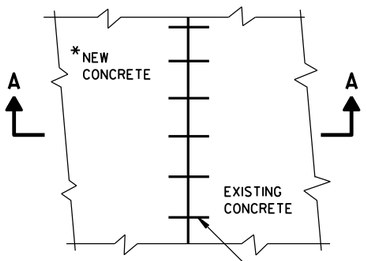
② THE BOTTOM OF CURB AND GUTTER MAY BE CONSTRUCTED EITHER LEVEL OR PARALLEL TO THE SLOPE OF THE SUBGRADE OR BASE AGGREGATE PROVIDED A 6" MINIMUM GUTTER THICKNESS IS MAINTAINED.

③ USE 8" MINIMUM GUTTER THICKNESS WHEN USED WITH AN ADJACENT CONCRETE TRUCK APRON PLACED BEHIND BACK OF CURB.

④ 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.

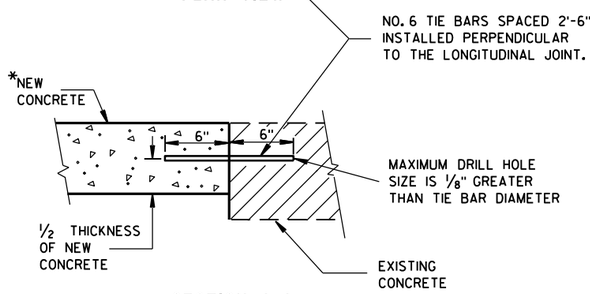
⑤ THE FACE OF CURB IS 6" FROM THE BACK OF CURB.

⑥ WHEN REVERSE SLOPE GUTTER IS REQUIRED, THE LOCATION(S) WILL BE SHOWN ELSEWHERE IN THE PLAN.



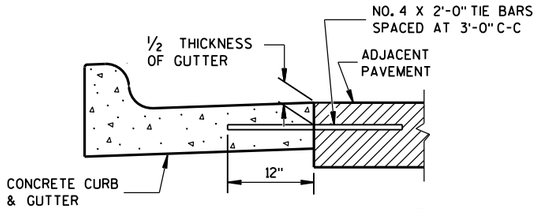
PLAN VIEW

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

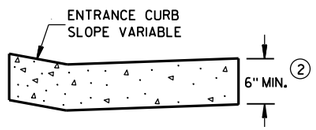


SECTION A-A

TIE BARS DRILLED INTO EXISTING PAVEMENT

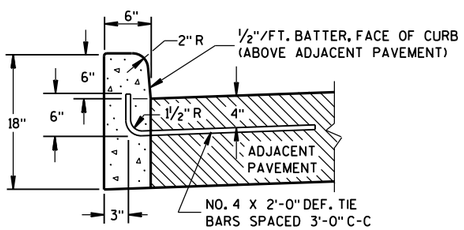


TYPICAL TIE BAR LOCATION ①

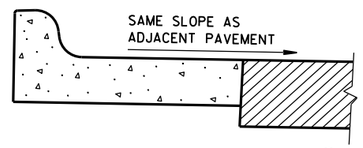


DRIVEWAY ENTRANCE CURB

(WHEN DIRECTED BY THE ENGINEER)

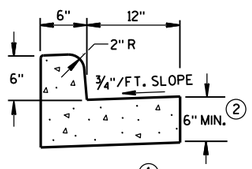


① TYPES A & D



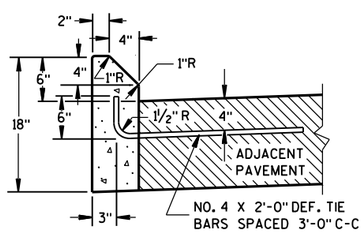
⑥ REVERSE SLOPE GUTTER

(TYPICAL FOR ALL CURB & GUTTER TYPES)



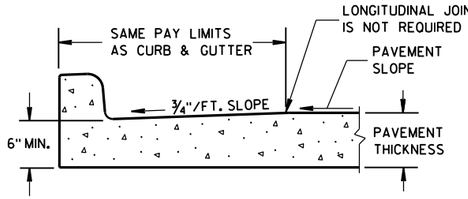
① TYPES A & D

CONCRETE CURB & GUTTER 18"

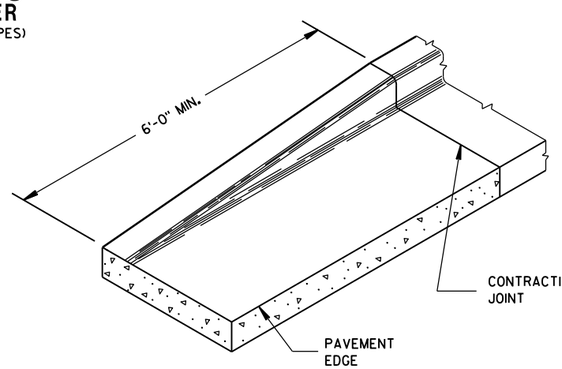


① TYPES G & J

CONCRETE CURB



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
June, 2016 — DATE
/S/ Jerry H. Zogg — ROADWAY STANDARDS DEVELOPMENT ENGINEER
FHWA

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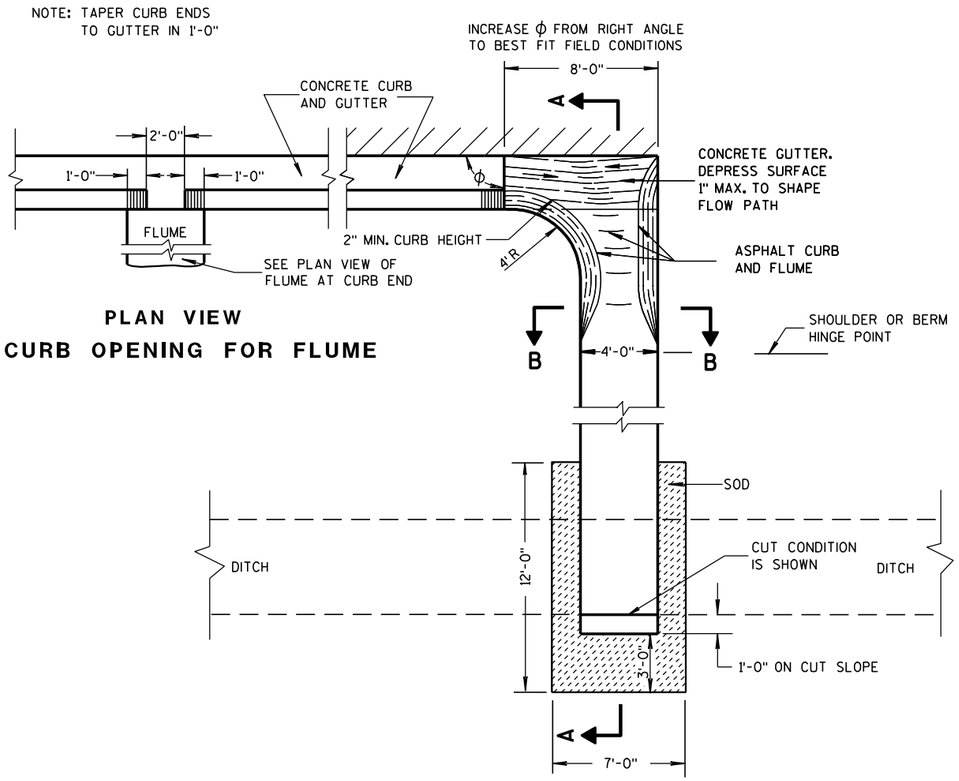
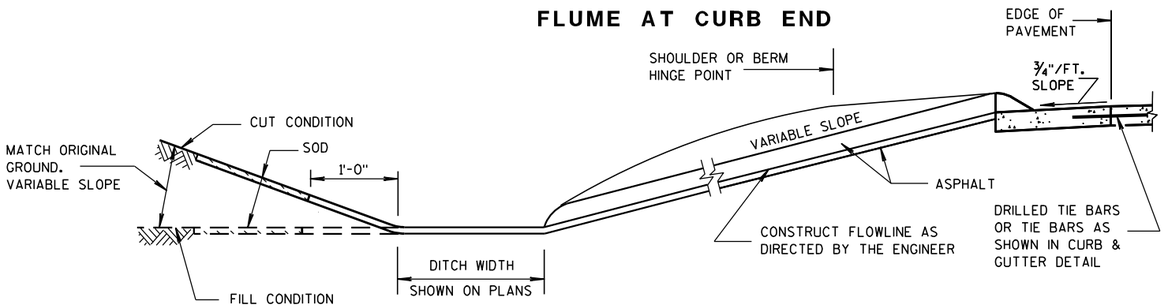
S.D.D. 8 D 1-19

ASPHALTIC FLUME

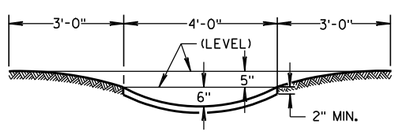


PLAN VIEW
CURB OPENING FOR FLUME

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.

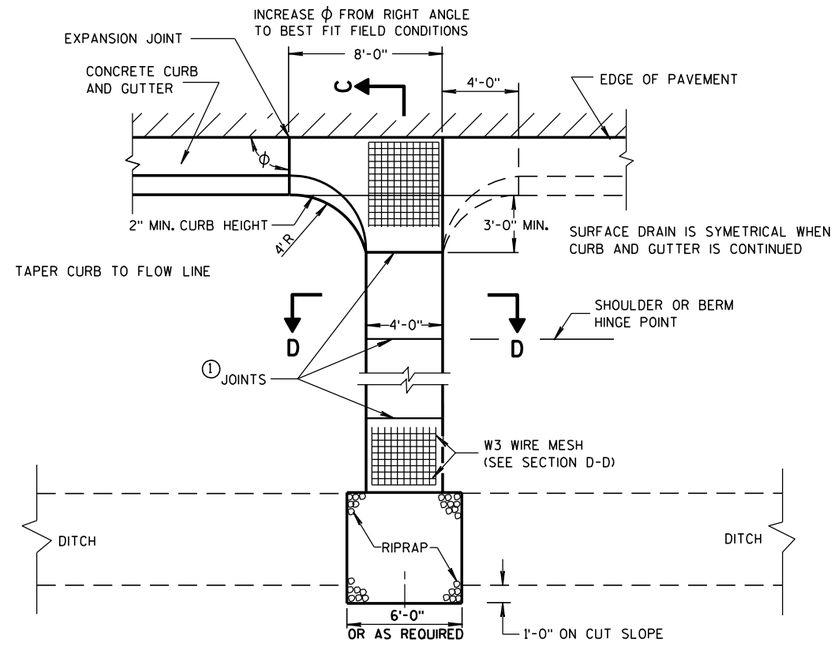
WELDED STEEL WIRE FABRIC SHALL BE IN ACCORDANCE WITH AASHTO SPECIFICATION M55.

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.

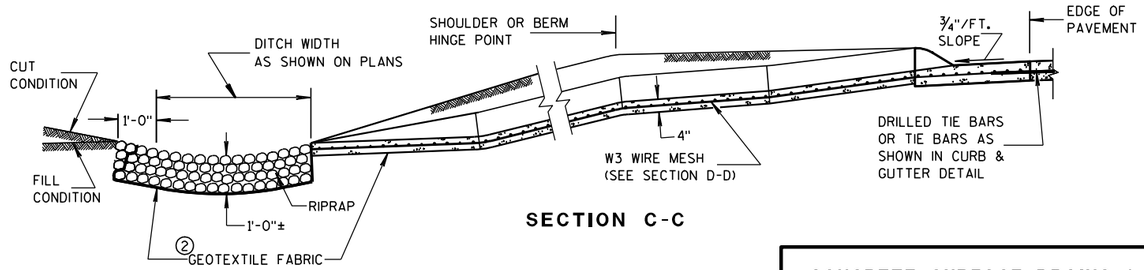
② GEOTEXTILE FABRIC TYPE "R" SHALL UNDERLAY THE FULL LENGTH AND WIDTH OF THE CONCRETE SURFACE DRAIN AND RIPRAP.

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

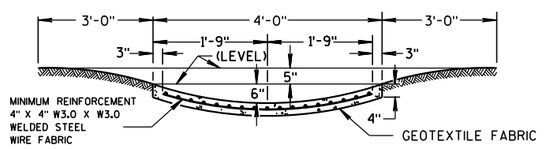
③ CONCRETE SURFACE DRAIN



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
399
MENT
FHWA

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S.D.D. 8 D 4-5

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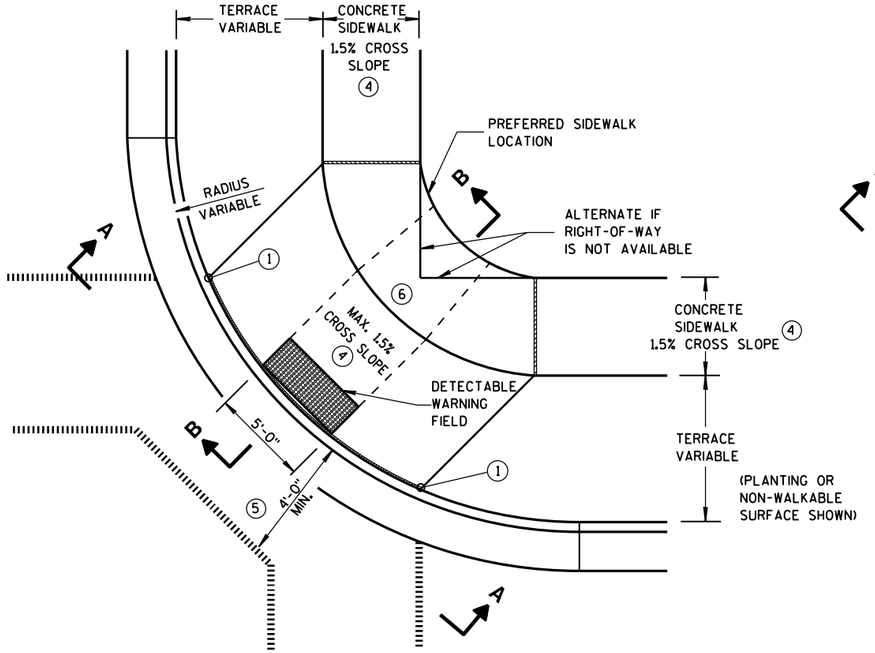
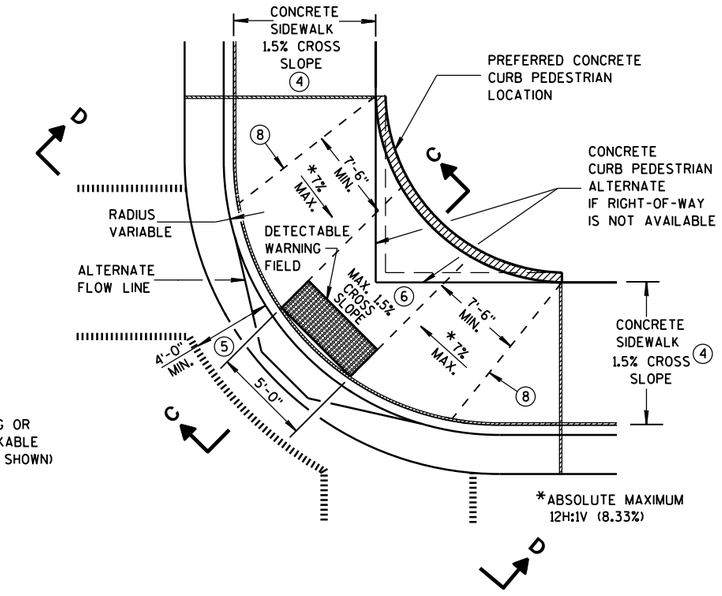
S.D.D. 8 D 4-5



PLAN VIEW

TYPE 1 RAMP

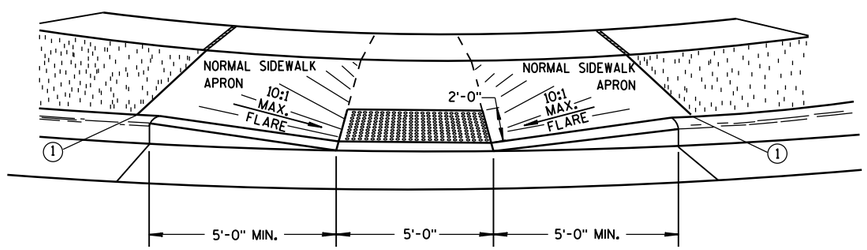
(CENTER OF CORNER RADIUS)



PLAN VIEW

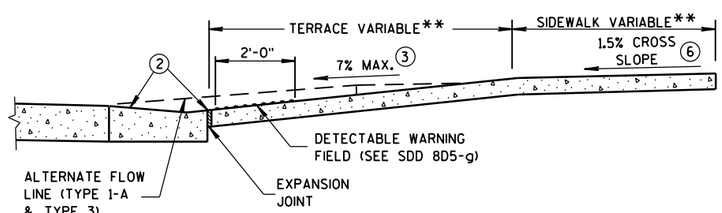
TYPE 1-A RAMP

(NO TERRACE)

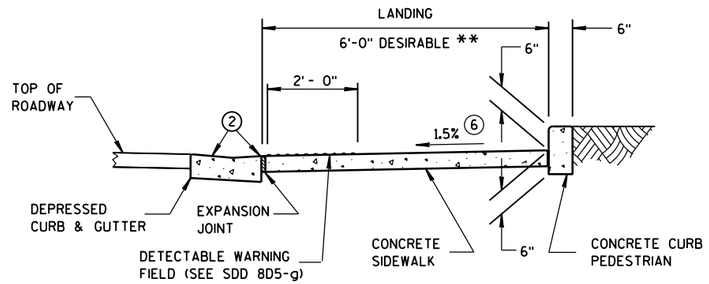


VIEW A-A

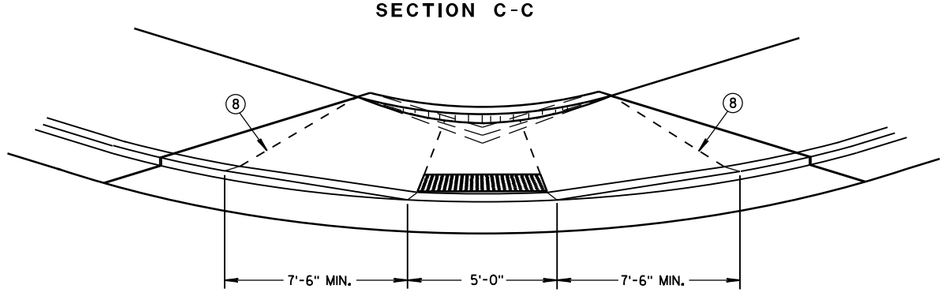
** WIDTH SHOWN ELSEWHERE IN THE PLANS



SECTION B-B



SECTION C-C



VIEW D-D

GENERAL NOTES

AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF RAMP ACCESS AREAS.

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.

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. POINT LOCATION MAY BE ADJUSTED TO ALIGN WITH BEGINNING OF FULL-HEIGHT CURB IF THIS DISTANCE IS SHORT.

(2) GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN 1/4-INCH ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5% AND NOT TO EXCEED 7%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.

(3) ABSOLUTE MAXIMUM 12H:1V (8.33%) CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE AND NOT TO EXCEED 11% GRADE CHANGE.

(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

(5) PROVIDE A LEVEL LANDING IN THE STREET AND GUTTER AREA. (2% MAXIMUM SLOPE IN ANY DIRECTION). WHEN THE GUTTER SLOPE EXCEEDS 2%, CONSTRUCT THE LEVEL LANDING IN THE STREET AREA.

(6) PROVIDE A LEVEL LANDING (MAXIMUM 2% SLOPE) IN ANY DIRECTION OF PEDESTRIAN TRAVEL. STANDARD LANDING SIZE IS 5 FEET X 5 FEET.

(8) PROVIDE GRADE BREAK PERPENDICULAR TO DIRECTION OF WHEELCHAIR TRAVEL.

LEGEND

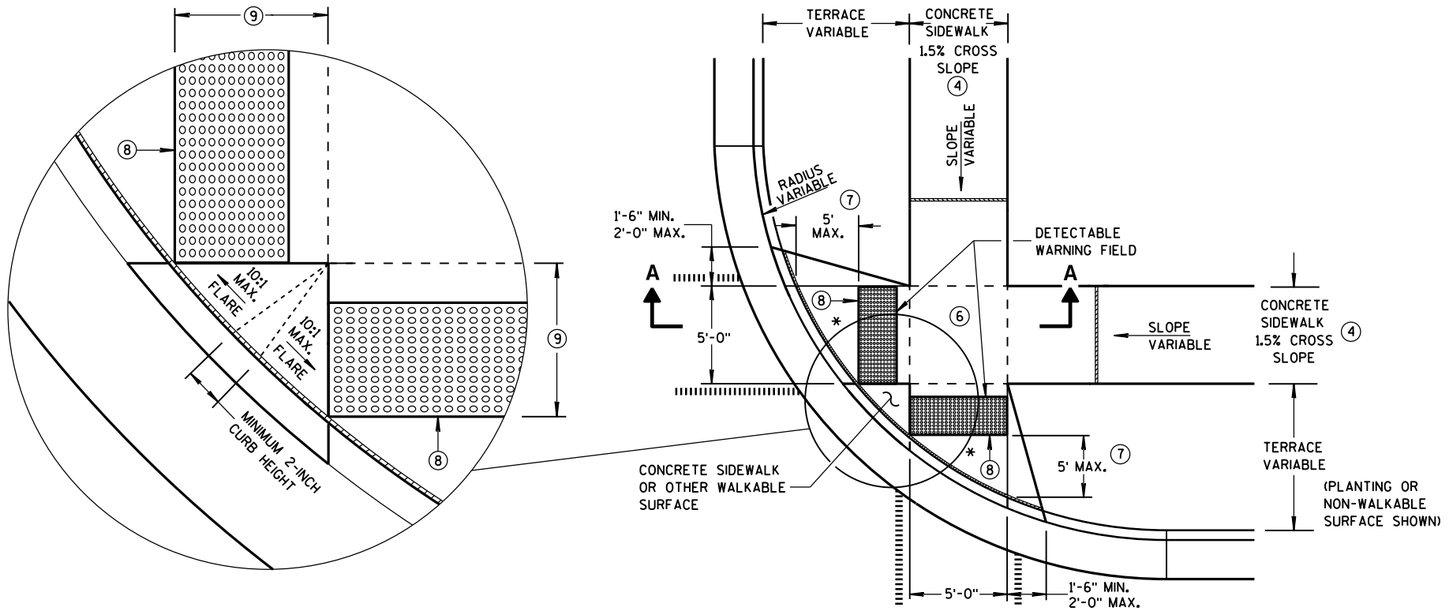
- 1/2" EXPANSION JOINT-SIDEWALK
- CONTRACTION JOINT FIELD LOCATED
- PAVEMENT MARKING CROSSWALK (WHITE)
- ALTERNATIVE LAYOUT

CURB RAMPS TYPES 1 AND 1-A

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

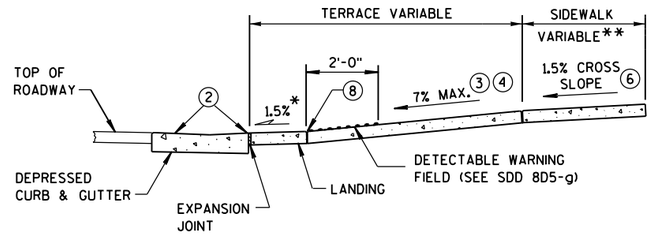
6

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



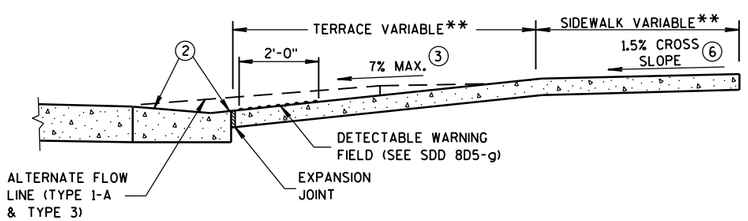
PLAN VIEW
TYPE 2 RAMP
(ON LINE WITH SIDEWALK)

* MAXIMUM 2.0% SLOPE IN ALL DIRECTIONS IN FRONT OF GRADE BREAK

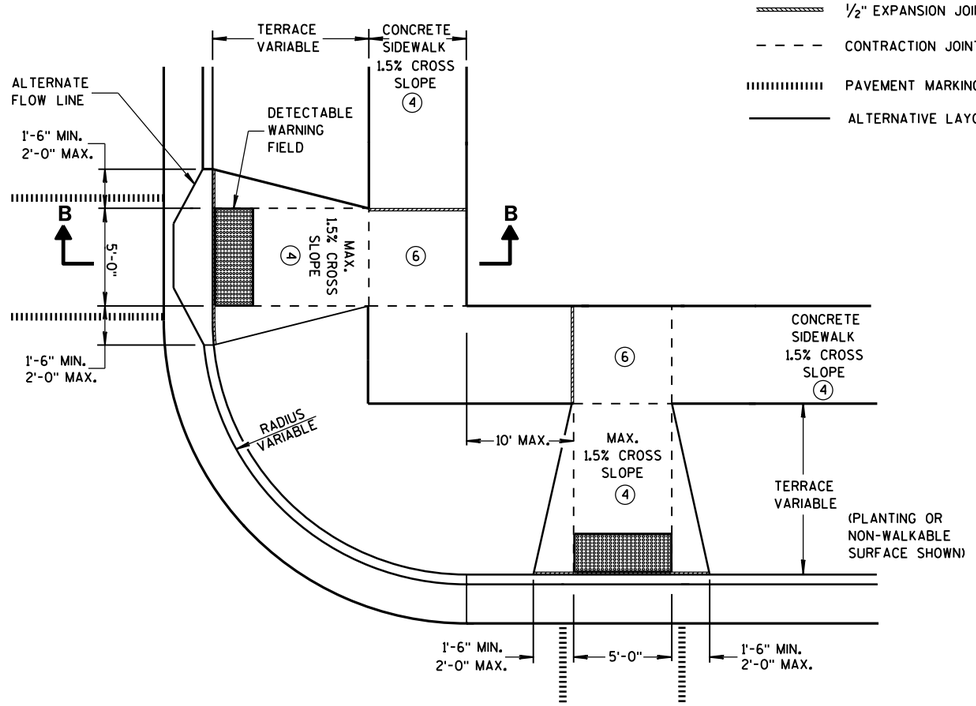


SECTION A-A

** WIDTH SHOWN ELSEWHERE IN THE PLANS



SECTION B-B



PLAN VIEW
TYPE 3 RAMP
(OUTSIDE OF CROSSWALK AREA)

GENERAL NOTES

AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF RAMP ACCESS AREAS.

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

(2) GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN 1/4-INCH ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5% AND NOT TO EXCEED 7%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.

(3) ABSOLUTE MAXIMUM 12H:1V (8.33%) CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE AND NOT TO EXCEED 11% GRADE CHANGE.

(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

(6) PROVIDE A LEVEL LANDING (MAXIMUM 2% SLOPE) IN ANY DIRECTION OF PEDESTRIAN TRAVEL. STANDARD LANDING SIZE IS 5 FEET X 5 FEET.

(7) WHEN THIS GRADE BREAK DISTANCE EXCEEDS 5 FEET, USE RADIAL DETECTABLE WARNING FIELD PER SDD 8D5-f.

(8) PROVIDE GRADE BREAK PERPENDICULAR TO DIRECTION OF WHEELCHAIR TRAVEL.

(9) WHEN THIS DISTANCE IS LESS THAN 6'-0", IT MAY BE DIFFICULT TO ACHIEVE A 7% SLOPE OR FLATTER ALONG THE RAMP. REDUCE CURB HEIGHT IN TRIANGLE AREA TO ACHIEVE 7% SLOPE OR FLATTER ON RAMP. CONSTRUCT 2-INCH MINIMUM CURB HEIGHT BETWEEN 10:1 FLARES.

LEGEND

- ½" EXPANSION JOINT-SIDEWALK
- CONTRACTION JOINT FIELD LOCATED
- PAVEMENT MARKING CROSSWALK (WHITE)
- ALTERNATIVE LAYOUT

6

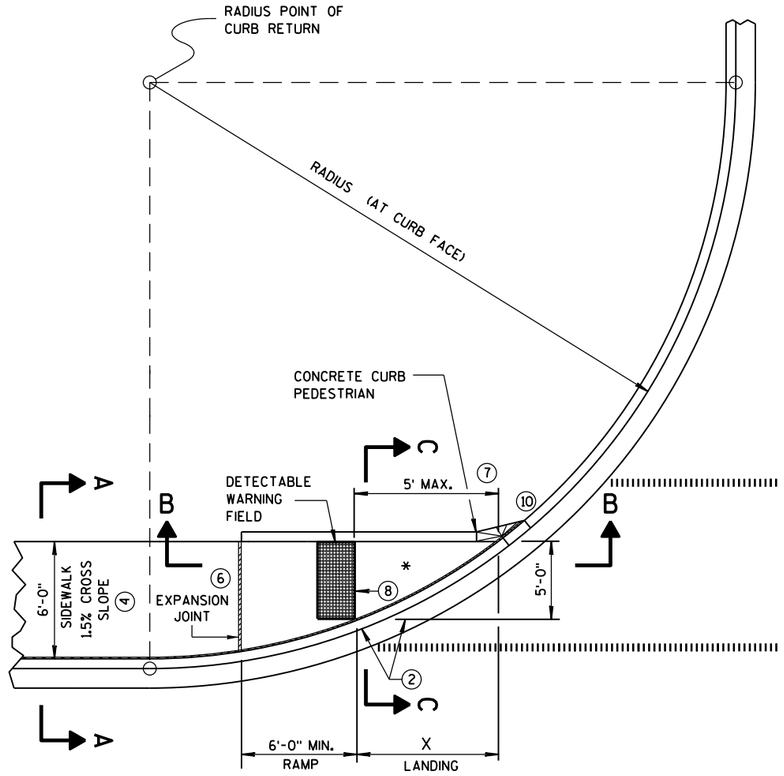
S.D.D. 8 D 5-19b

6

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

CURB RAMPS TYPES 2 AND 3

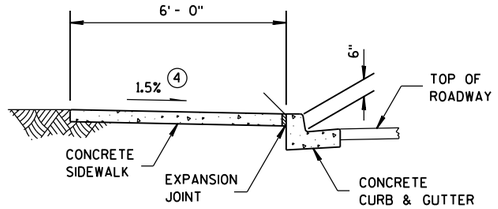
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR



CURB RAMP TYPE 4A
PLAN VIEW

RADIUS (AT CURB FACE)	X
10 FEET	4'-7"
15 FEET	6'-5½"

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.

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

(2) GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN ¼-INCH ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5% AND NOT TO EXCEED 7%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.

(3) ABSOLUTE MAXIMUM 12H:1V (8.33%) CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE AND NOT TO EXCEED 11% GRADE CHANGE.

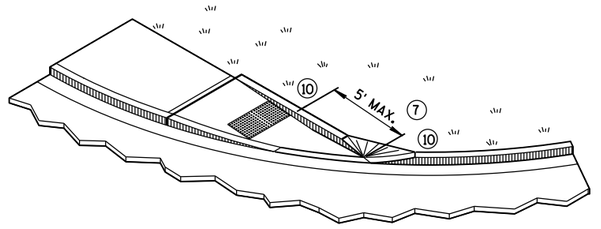
(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

(6) PROVIDE A LEVEL LANDING (MAXIMUM 2% SLOPE) IN ANY DIRECTION OF PEDESTRIAN TRAVEL. STANDARD LANDING SIZE IS 5 FEET X 5 FEET.

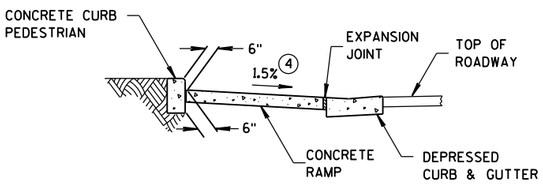
(7) WHEN THIS GRADE BREAK DISTANCE EXCEEDS 5 FEET, USE RADIAL DETECTABLE WARNING FIELD PER SDD 8D5-f.

(8) PROVIDE GRADE BREAK PERPENDICULAR TO DIRECTION OF WHEELCHAIR TRAVEL.

(10) INSTALL TRANSITION NOSE. (INCIDENTAL TO OTHER PAY ITEMS). DO NOT MARK TRANSITION NOSE.

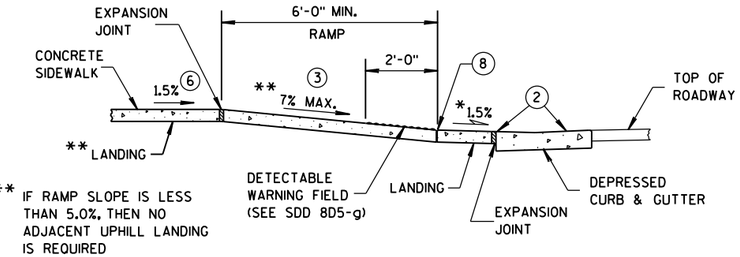


ISOMETRIC VIEW FOR TYPE 4A



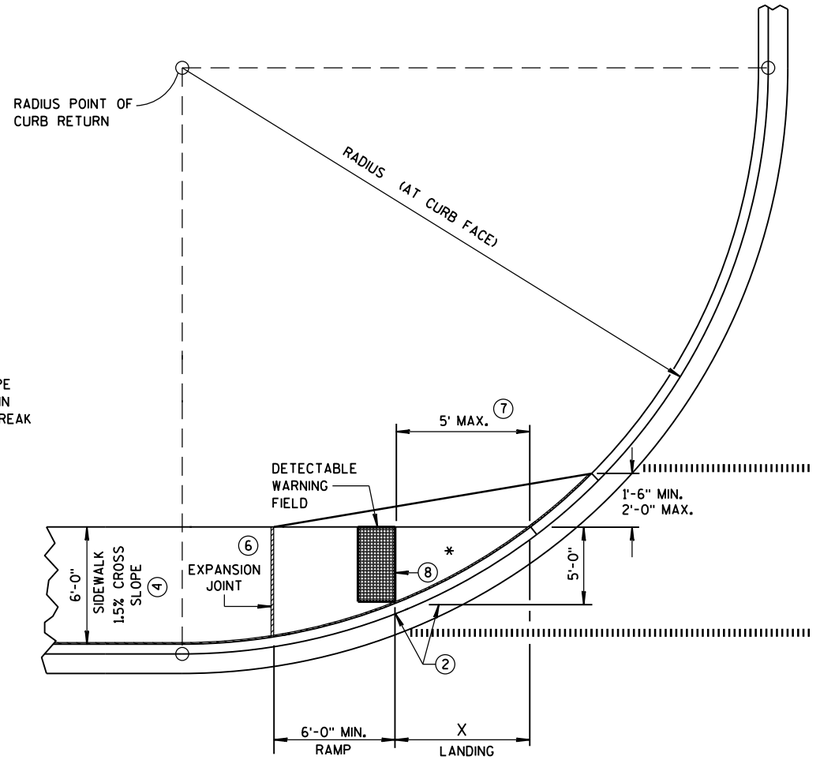
SECTION C-C FOR TYPE 4A

* MAXIMUM 2.0% SLOPE IN ALL DIRECTIONS IN FRONT OF GRADE BREAK

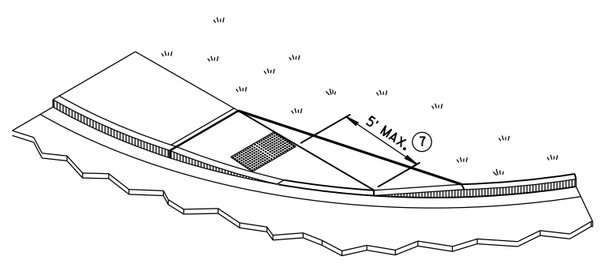


** IF RAMP SLOPE IS LESS THAN 5.0%, THEN NO ADJACENT UPHILL LANDING IS REQUIRED

SECTION B-B FOR TYPE 4A



CURB RAMP TYPE 4A1
PLAN VIEW



ISOMETRIC VIEW FOR TYPE 4A1

LEGEND

½" EXPANSION JOINT-SIDEWALK

CONTRACTION JOINT FIELD LOCATED

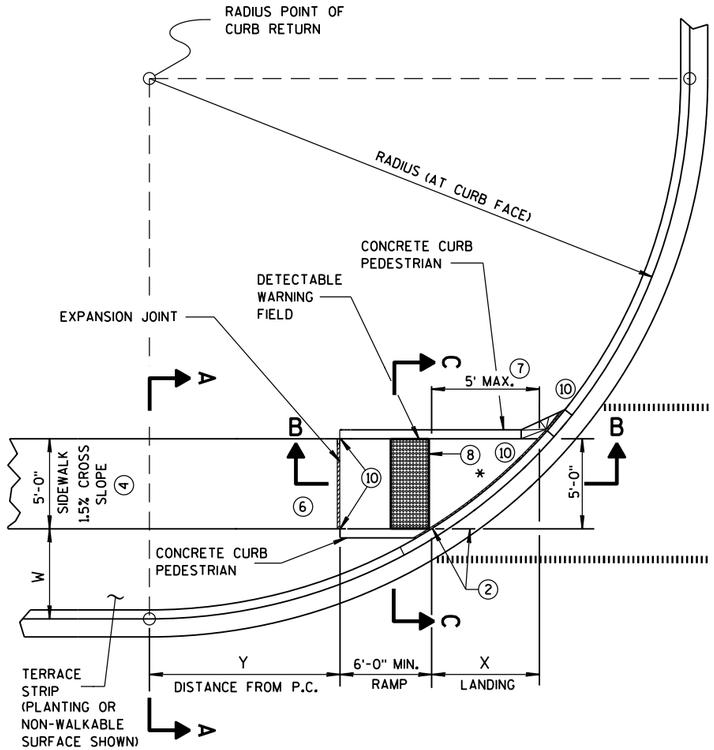
PAVEMENT MARKING CROSSWALK (WHITE)

CURB RAMPS
TYPES 4A AND 4A1

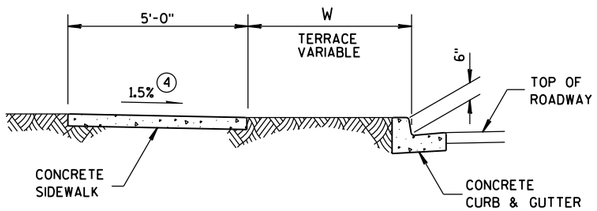
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR

6

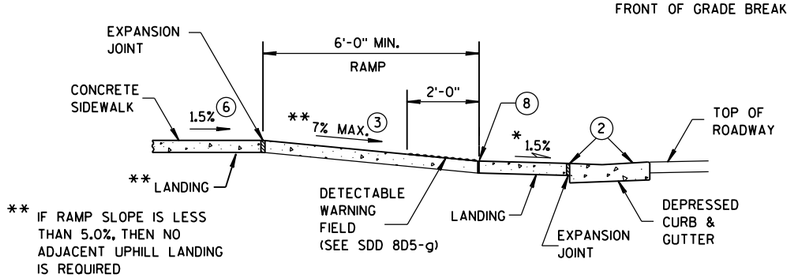
S.D.D. 8 D 5-19c



CURB RAMP TYPE 4B
PLAN VIEW



SECTION A-A FOR TYPE 4B



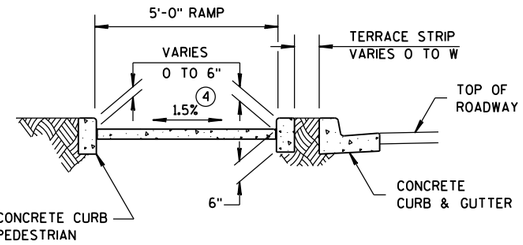
* MAXIMUM 2.0% SLOPE IN ALL DIRECTIONS IN FRONT OF GRADE BREAK

** IF RAMP SLOPE IS LESS THAN 5.0%, THEN NO ADJACENT UPHILL LANDING IS REQUIRED

SECTION B-B FOR TYPE 4B

RADIUS (AT CURB FACE)	W = 3'-0"		W = 4'-0"		W = 5'-0"		W = 6'-0"		W = 7'-0"		W = 8'-0"		W = 9'-0"		W = 10'-0"	
	X	Y	X	Y	X	Y	X	Y	X	Y	X	Y	X	Y	X	Y
10 FEET	2'-10¼"	0'-5"	2'-1"	1'-4½"	1'-5"	2'-1"	0'-10"	2'-7½"	0'-3¼"	3'-0¼"						
15 FEET	4'-6¾"	2'-1¾"	3'-9"	3'-5¼"	3'-1¼"	4'-6"	2'-6¾"	5'-4½"	2'-1"	6'-1"	1'-8"	6'-8½"	1'-3¼"	7'-2½"	0'-10¾"	7'-7¼"
20 FEET	5'-9¾"	3'-6½"	4'-11½"	5'-1¾"	4'-3¼"	6'-5½"	3'-8¾"	7'-7"	3'-3"	8'-6½"	2'-10"	9'-4½"	2'-5½"	10'-1¼"	2'-1¼"	10'-9"
30 FEET			6'-9¼"	7'-11¼"	6'-0¼"	9'-8"	5'-5"	11'-1¾"	4'-10¾"	12'-5¾"	4'-5½"	13'-7¾"	4'-0¾"	14'-8½"	3'-8½"	15'-8¼"
40 FEET									6'-1¾"	15'-8½"	5'-8"	17'-2"	5'-3"	18'-5¾"	4'-10¾"	19'-8¼"
50 FEET															5'-10¼"	23'-2"

INTERMEDIATE RADII CAN BE INTERPOLATED
DIMENSION "Y" IS CALCULATED BASED ON 6'-0" RAMP LENGTH
DIMENSION "X" IS CALCULATED BASED ON 5'-0" SIDEWALK WIDTH



SECTION C-C FOR TYPE 4B

GENERAL NOTES

AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF RAMP ACCESS AREAS.

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

(2) GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN ¼-INCH ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5% AND NOT TO EXCEED 7%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.

(3) ABSOLUTE MAXIMUM 12H:1V (8.33%) CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE AND NOT TO EXCEED 11% GRADE CHANGE.

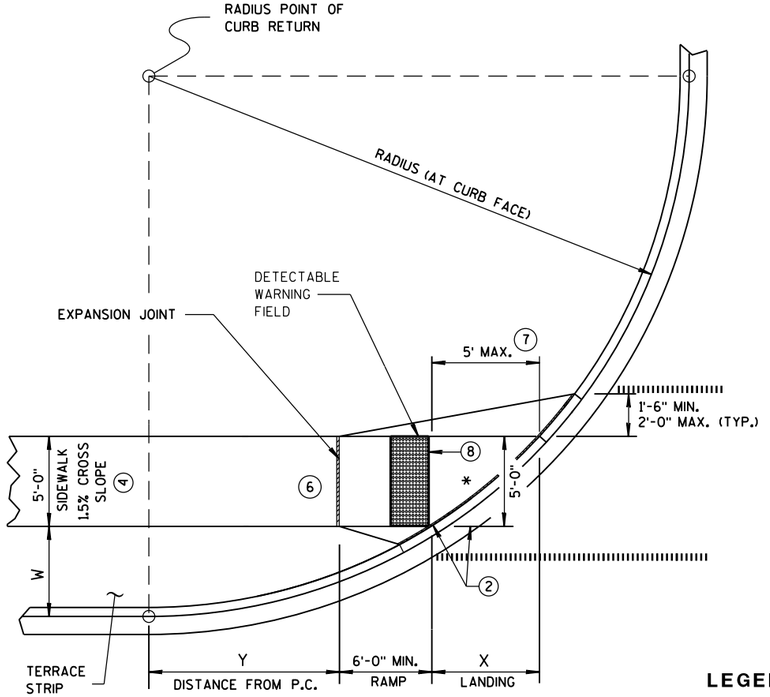
(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

(6) PROVIDE A LEVEL LANDING (MAXIMUM 2% SLOPE) IN ANY DIRECTION OF PEDESTRIAN TRAVEL. STANDARD LANDING SIZE IS 5 FEET X 5 FEET.

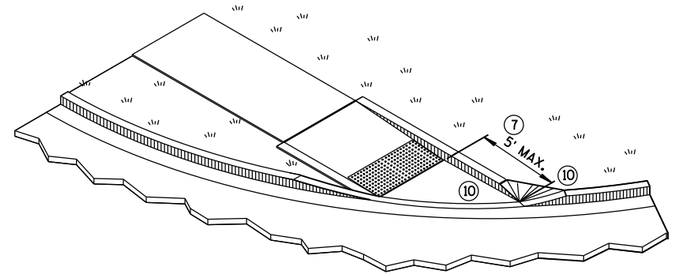
(7) WHEN THIS GRADE BREAK DISTANCE EXCEEDS 5 FEET, USE RADIAL DETECTABLE WARNING FIELD PER SDD 8D5-f.

(8) PROVIDE GRADE BREAK PERPENDICULAR TO DIRECTION OF WHEELCHAIR TRAVEL.

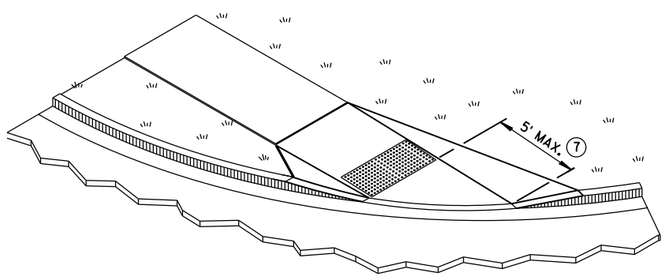
(10) INSTALL TRANSITION NOSE. (INCIDENTAL TO OTHER PAY ITEMS). DO NOT MARK TRANSITION NOSE.



CURB RAMP TYPE 4B1
PLAN VIEW



ISOMETRIC VIEW FOR TYPE 4B



ISOMETRIC VIEW FOR TYPE 4B1

LEGEND

½" EXPANSION JOINT-SIDEWALK

CONTRACTION JOINT FIELD LOCATED

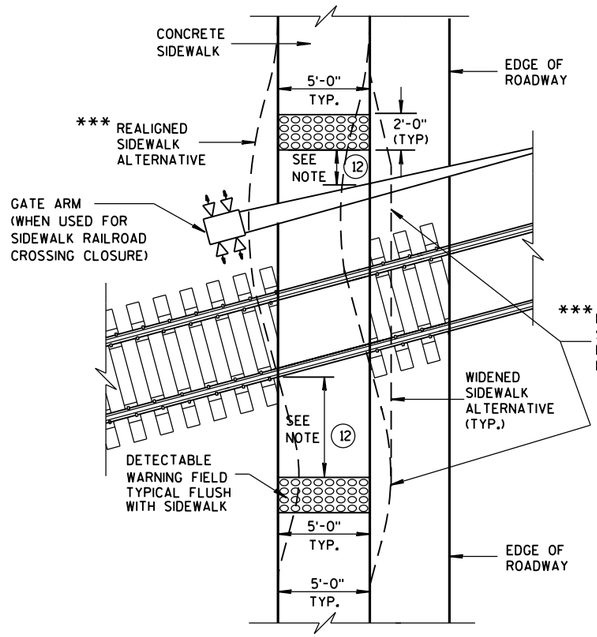
PAVEMENT MARKING CROSSWALK (WHITE)

CURB RAMPS TYPE 4B AND 4B1

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR

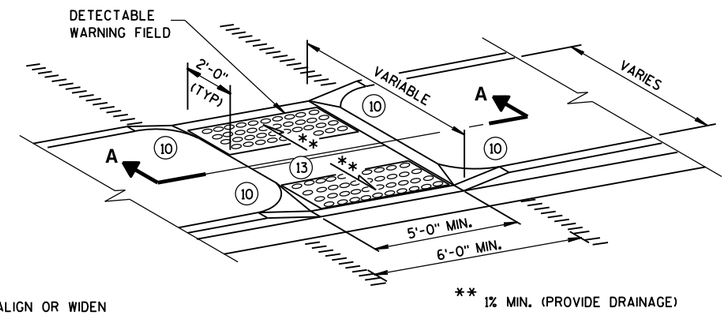
6

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



TYPE 8
DETECTABLE WARNINGS AT RAILROAD CROSSING

*** DETAILS TO BE DETERMINED BY DESIGNER



** 1% MIN. (PROVIDE DRAINAGE)

MEDIAN ISLAND
NON-ELEVATED PEDESTRIAN CROSSING
TYPE 5

GENERAL NOTES

AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF RAMP ACCESS AREAS.

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.

(2) GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN 1/4-INCH ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5% AND NOT TO EXCEED 7%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.

(3) ABSOLUTE MAXIMUM 12H:1V (8.33%) CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE AND NOT TO EXCEED 11% GRADE CHANGE.

(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

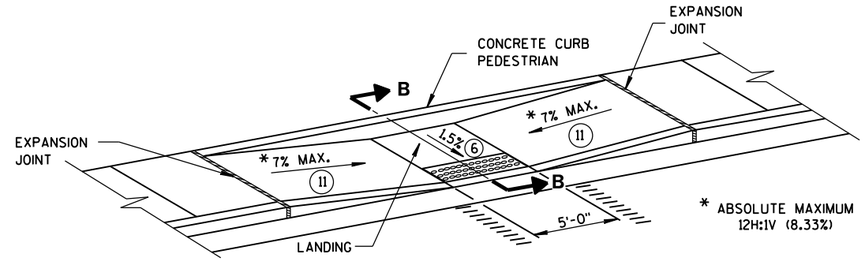
(6) PROVIDE A LEVEL LANDING (MAXIMUM 2% SLOPE) IN ANY DIRECTION OF PEDESTRIAN TRAVEL. STANDARD LANDING SIZE IS 5 FEET X 5 FEET.

(10) INSTALL TRANSITION NOSE. (INCIDENTAL TO OTHER PAY ITEMS). DO NOT MARK TRANSITION NOSE.

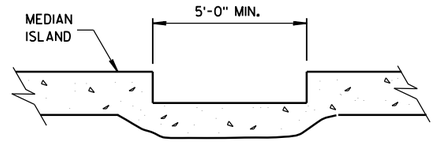
(11) SLOPE SIDEWALK TOWARD LANDING AS SHOWN WHERE THERE IS NO TERRACE OR WHERE THE TERRACE WIDTH IS LESS THAN 6 FEET WIDE.

(12) 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.

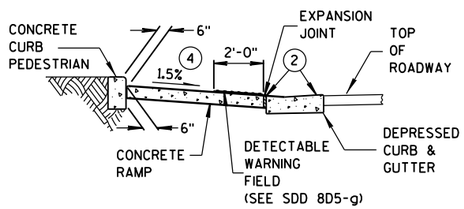
(13) DO NOT INSTALL DETECTABLE WARNING FIELDS AT THE EDGES OF STREET-LEVEL PEDESTRIAN REFUGE ISLANDS IF A MINIMUM 2-FOOT CONCRETE SURFACE WITHOUT DETECTABLE WARNINGS (MEASURED IN THE DIRECTION OF PEDESTRIAN TRAVEL) CANNOT BE ACHIEVED.



MID-BLOCK CROSSING
TYPE 7A

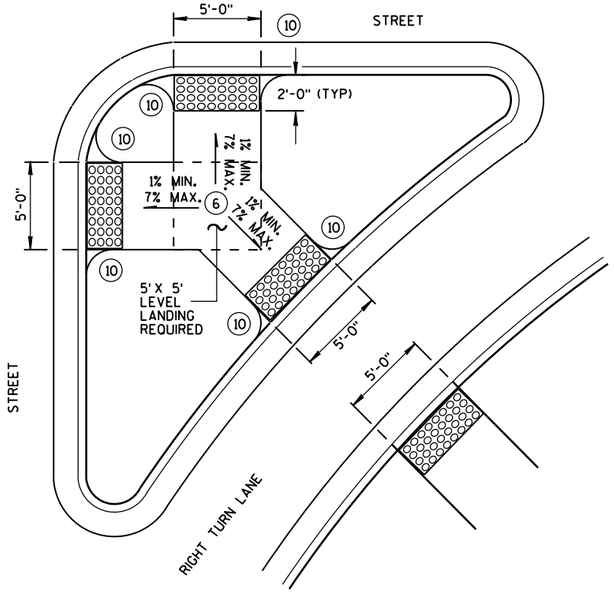


SECTION A-A

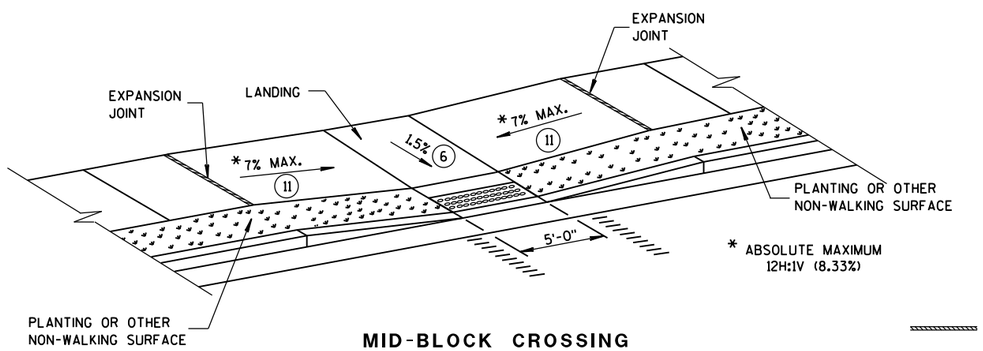


SECTION B-B

REFER TO GENERAL NOTES (2) AND (3) FOR ALL ISLAND CURB RAMPS



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

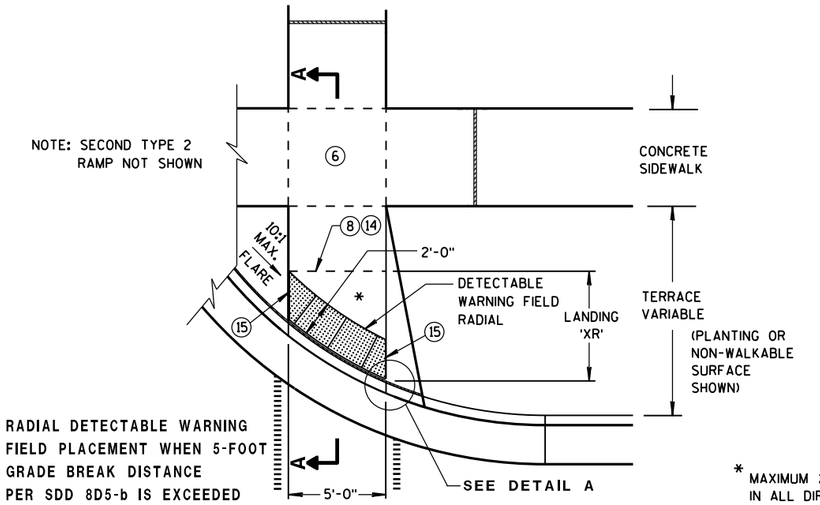
- ½" EXPANSION JOINT-SIDEWALK
- CONTRACTION JOINT FIELD LOCATED
- PAVEMENT MARKING CROSSWALK (WHITE)

CURB RAMPS
TYPES 5, 6, 7A, 7B & 8

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR

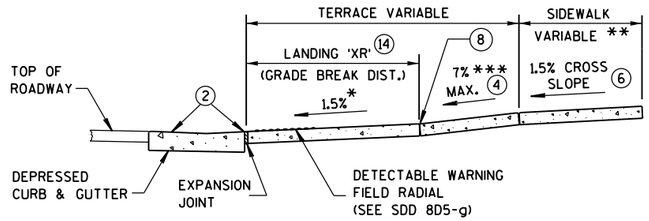
6

S.D.D. 8 D 5-19e
S.D.D. 8 D 5-19e



TYPE 2 RAMP
PLAN VIEW
(GRADE BREAK DISTANCE GREATER THAN 5 FEET)
(ON LINE WITH SIDEWALK)

* MAXIMUM 2.0% SLOPE IN ALL DIRECTIONS IN FRONT OF GRADE BREAK



** WIDTH SHOWN ELSEWHERE IN THE PLANS

*** ABSOLUTE MAXIMUM 12H:1V (8.33%)

SECTION A-A

LEGEND

- ½" EXPANSION JOINT-SIDEWALK
- CONTRACTION JOINT FIELD LOCATED
- PAVEMENT MARKING CROSSWALK (WHITE)

GENERAL NOTES

AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF RAMP ACCESS AREAS.

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

APPLY RADIAL DETECTABLE WARNING PLACEMENT SIMILARLY FOR TYPE 4A AND 4A1 CURB RAMPS AND SIMILARLY FOR TYPE 4B AND 4B1 CURB RAMPS. TYPE 4A AND 4B CURB RAMPS ARE NOT SHOWN.

REFER TO SDD 8D5-g FOR ADDITIONAL RADIAL PLATE REQUIREMENTS.

FIELD CUTS AT INTERMEDIATE JOINTS WITHIN THE RADIAL DETECTABLE WARNING FIELD ARE PROHIBITED.

DETERMINE FINAL RADIAL WARNING FIELD CONFIGURATION AND ITS INDIVIDUAL PLATE LOCATIONS. PERFORM PRE-LAYOUT PRIOR TO PLACEMENT IN PLASTIC CONCRETE. FOLLOW MANUFACTURER'S PRODUCT LIST AND INSTALLATION RECOMMENDATIONS.

(2) GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN ¼-INCH ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5% AND NOT TO EXCEED 7%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.

(3) ABSOLUTE MAXIMUM 12H:1V (8.33%) CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE AND NOT TO EXCEED 11% GRADE CHANGE.

(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

(6) PROVIDE A LEVEL LANDING (MAXIMUM 2% SLOPE) IN ANY DIRECTION OF PEDESTRIAN TRAVEL. STANDARD LANDING SIZE IS 5 FEET X 5 FEET.

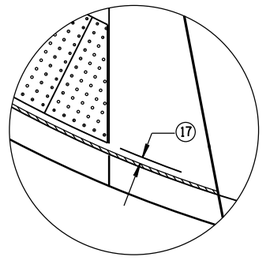
(8) PROVIDE GRADE BREAK PERPENDICULAR TO DIRECTION OF WHEELCHAIR TRAVEL.

(14) CONSULT ENGINEER IF GRADE BREAK LOCATION (END OF LANDING DIMENSION 'XR') REQUIRES FIELD ADJUSTMENT WHEN ESTABLISHING FINAL RADIAL DETECTABLE WARNING FIELD LOCATION.

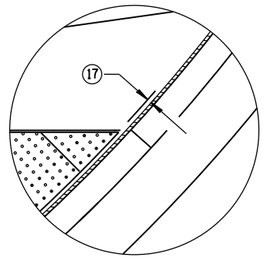
(15) FIELD SAW CUTS ALONG RADIAL DETECTABLE WARNING PLATES WILL BE NECESSARY TO MATCH EACH CURB RAMP EDGE. AVOID CUTTING THROUGH DOMES WHENEVER POSSIBLE. MAKE FIELD CUTS TRUE TO LINE AND WITHIN 1/8" DEVIATION. SMOOTH EDGES OF FIELD CUT PLATES.

(16) USE 1'X 2' RECTANGULAR END PLATE AT END OF TYPE 4A1 RAMP AND PROVIDE MINIMUM 2'-0" DETECTABLE WARNING FIELD COVERAGE (IN DIRECTION OF PEDESTRIAN TRAVEL) ALONG THE ENTIRE CURB RAMP WIDTH.

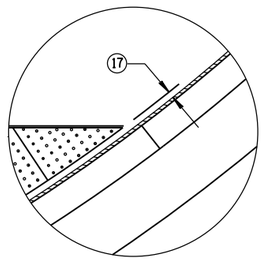
(17) A MAXIMUM 3-INCH CONCRETE BORDER WIDTH IS ALLOWABLE IN FRONT OF RADIAL DETECTABLE WARNING FIELD FOR CONSTRUCTABILITY PURPOSES. CONCRETE BORDER WIDTH MAY VARY UP TO 1 INCH.



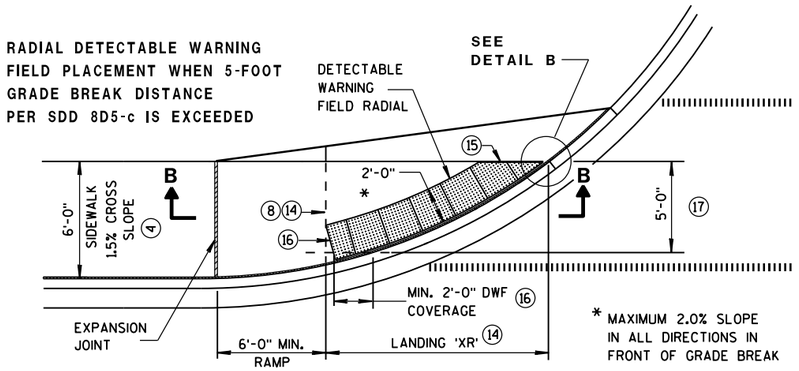
DETAIL A



DETAIL C

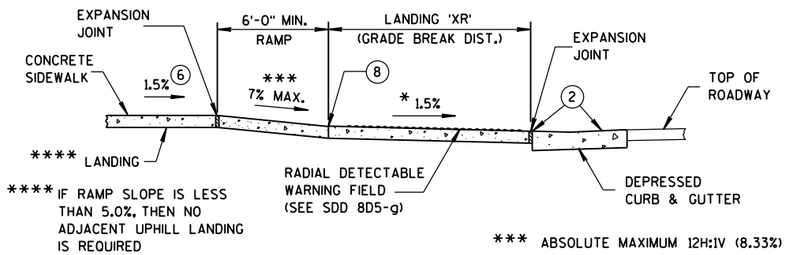


DETAIL B



* MAXIMUM 2.0% SLOPE IN ALL DIRECTIONS IN FRONT OF GRADE BREAK

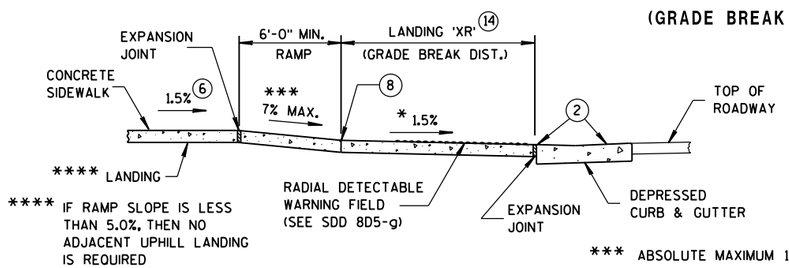
CURB RAMP TYPE 4A1
PLAN VIEW
(GRADE BREAK DISTANCE GREATER THAN 5 FEET)



**** IF RAMP SLOPE IS LESS THAN 5.0%, THEN NO ADJACENT UPHILL LANDING IS REQUIRED

*** ABSOLUTE MAXIMUM 12H:1V (8.33%)

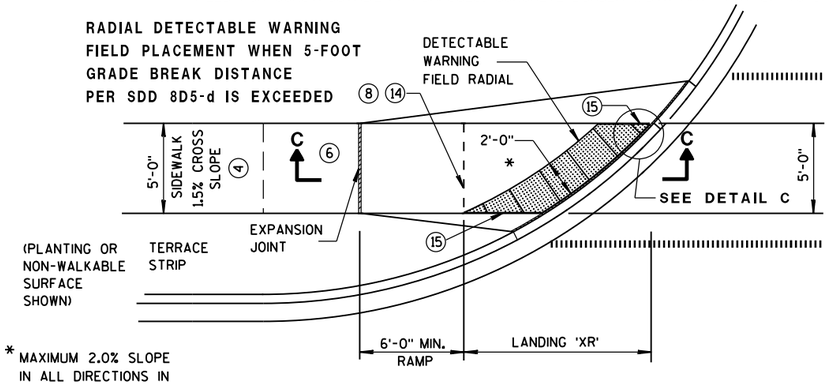
SECTION B-B FOR TYPE 4A1



**** IF RAMP SLOPE IS LESS THAN 5.0%, THEN NO ADJACENT UPHILL LANDING IS REQUIRED

*** ABSOLUTE MAXIMUM 12H:1V (8.33%)

SECTION C-C FOR TYPE 4B1



* MAXIMUM 2.0% SLOPE IN ALL DIRECTIONS IN FRONT OF GRADE BREAK

CURB RAMP TYPE 4B1
PLAN VIEW
(GRADE BREAK DISTANCE GREATER THAN 5 FEET)

CURB RAMPS RADIAL DETECTABLE WARNING FIELD APPLICATIONS

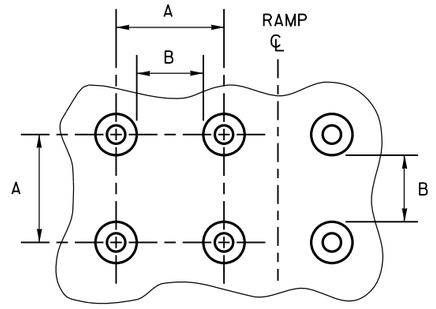
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR

6

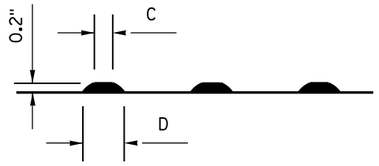
S.D.D. 8 D 5-19f

	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.



PLAN VIEW



ELEVATION VIEW

TRUNCATED DOMES

DETECTABLE WARNING PATTERN DETAIL

GENERAL NOTES

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

PLACE ALL DETECTABLE WARNING FIELD SYSTEMS IN ACCORDANCE TO THE MANUFACTURER'S RECOMMENDATION.

FIELD CUTS AT INTERMEDIATE JOINTS WITHIN THE RADIAL DETECTABLE WARNING FIELD ARE PROHIBITED.

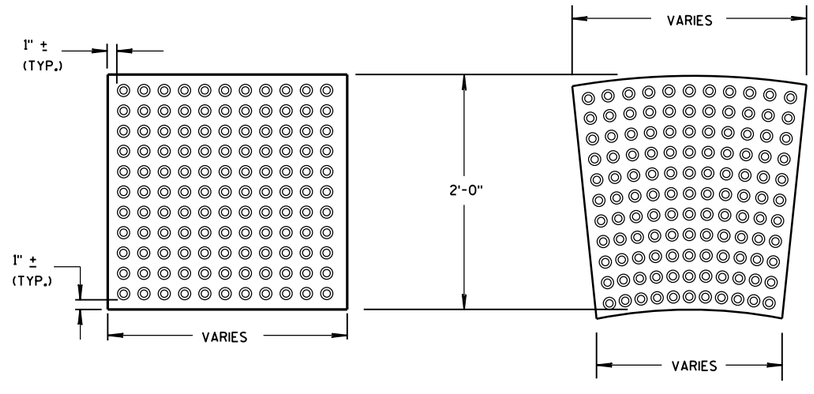
DETERMINE FINAL RADIAL WARNING FIELD CONFIGURATION AND ITS INDIVIDUAL PLATE LOCATIONS. PERFORM PRE-LAYOUT PRIOR TO PLACEMENT IN PLASTIC CONCRETE. FOLLOW MANUFACTURER'S PRODUCT LIST AND INSTALLATION RECOMMENDATIONS.

FOR RADIAL DETECTABLE WARNING FIELD APPLICATIONS WHERE STANDARD RADIAL PLATES ARE NOT AVAILABLE AT AN INTERSECTION CURB RADIUS, A COMBINATION OF SQUARE OR RECTANGULAR PLATES AND RADIAL PLATES MAY BE USED TO FORM RADIAL CONFIGURATION. RADIAL WEDGES IN COMBINATION WITH SQUARE PANELS ARE ALSO ACCEPTABLE. FOLLOW MANUFACTURER'S RECOMMENDATIONS.

REFER TO CONTRACT AND STANDARD SPECIFICATIONS FOR FIELD CUTTING REQUIREMENTS.

DO NOT EMBED IN CONCRETE ANY FIELD-CUT PLATES WITH CUT EDGES SHORTER THAN 6 INCHES. CONSULT WITH MANUFACTURER FOR RE-DRILLING AND ANCHORING REQUIREMENTS OF FIELD-CUT PLATES.

⑮ FIELD SAW CUTS ALONG RADIAL DETECTABLE WARNING PLATES WILL BE NECESSARY TO MATCH EACH CURB RAMP EDGE. AVOID CUTTING THROUGH DOMES WHENEVER POSSIBLE. MAKE FIELD CUTS TRUE TO LINE AND WITHIN 1/8" DEVIATION. SMOOTH EDGES OF FIELD CUT PLATES.

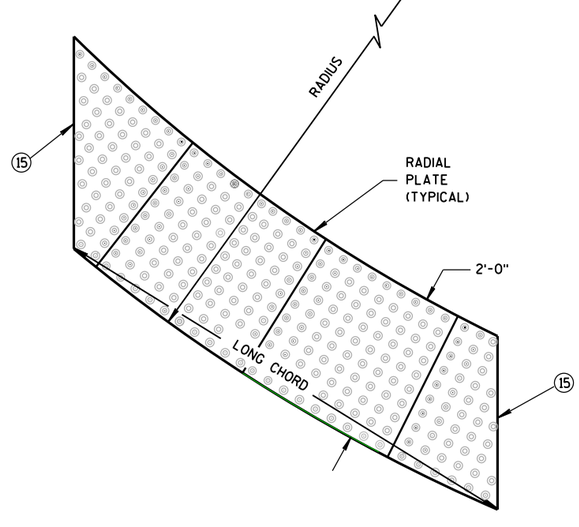


RECTANGULAR PLATES

RADIAL PLATES

DETECTABLE WARNING FIELDS (TYPICAL)

PLAN VIEW



RADIAL DETECTABLE WARNING FIELD ATTRIBUTES

CURB RAMPS
RECTANGULAR AND RADIAL
DETECTABLE WARNING PLATES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June, 2017 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS UNIT SUPERV
ENT
FHWA

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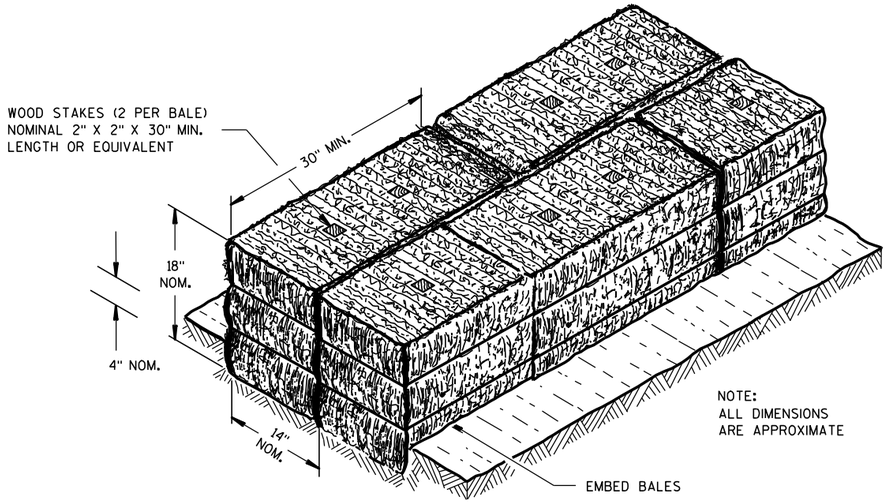
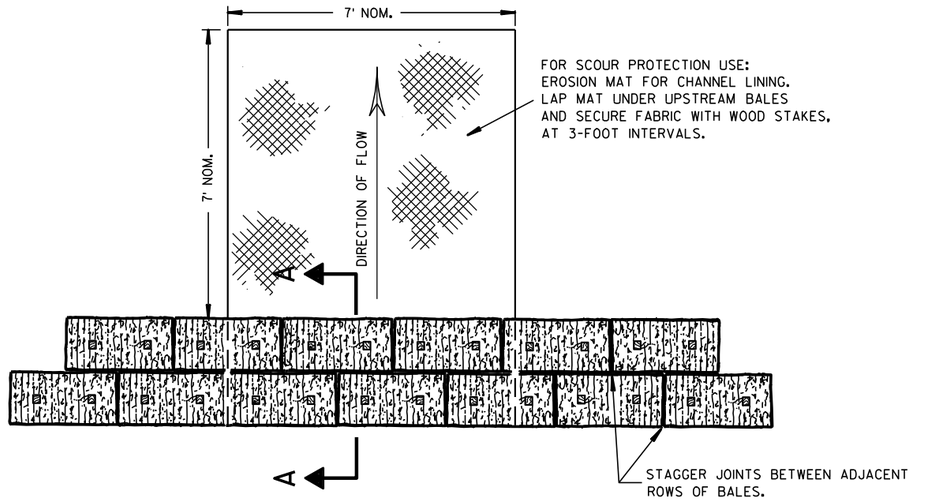
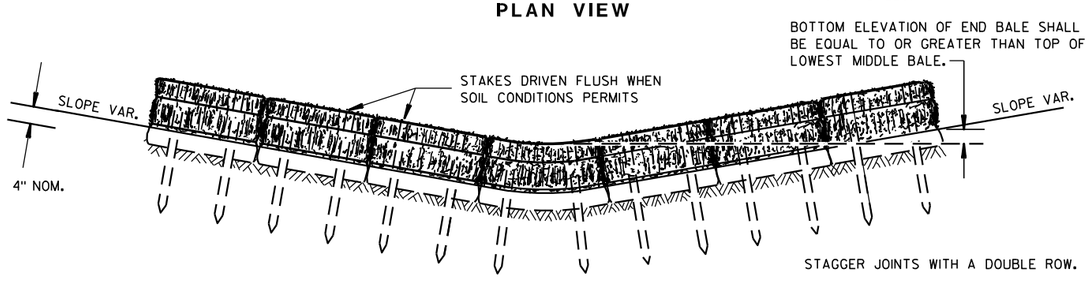


SECTION A-A



PLAN VIEW



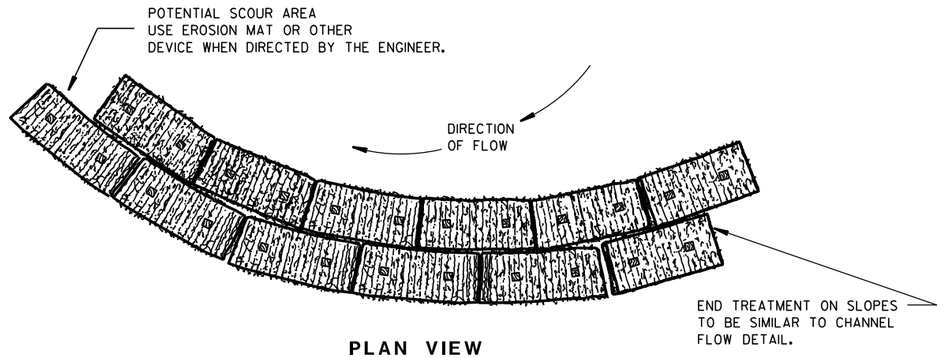
FRONT ELEVATION

TEMPORARY DITCH CHECK USING EROSION BALES (1)

GENERAL NOTES

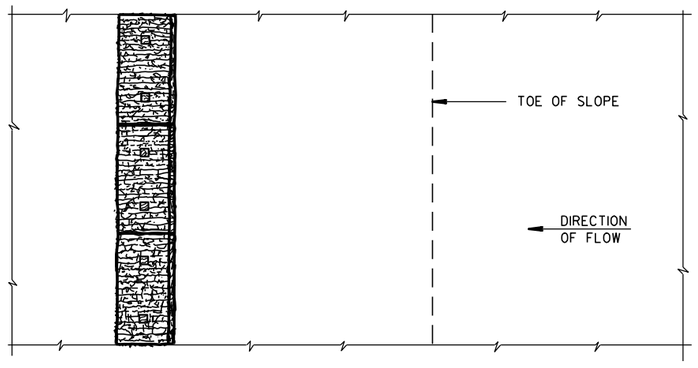
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

(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.

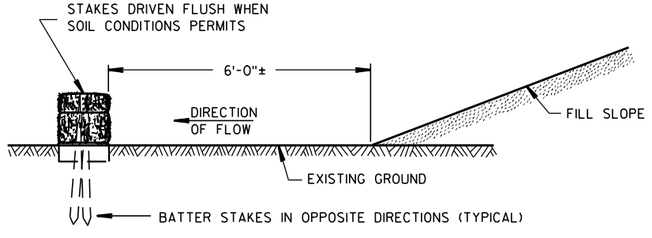


PLAN VIEW

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

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S.D.D. 8 E 8-3

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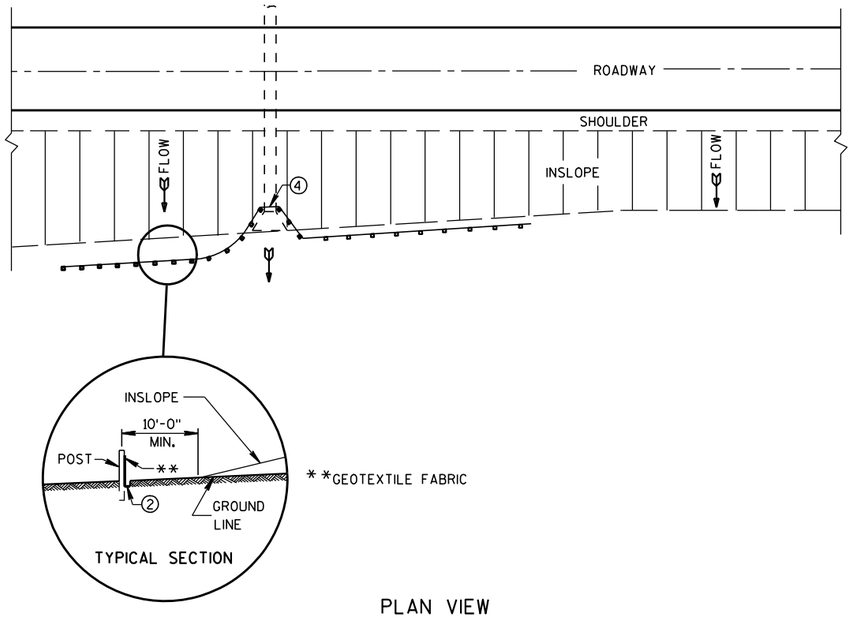
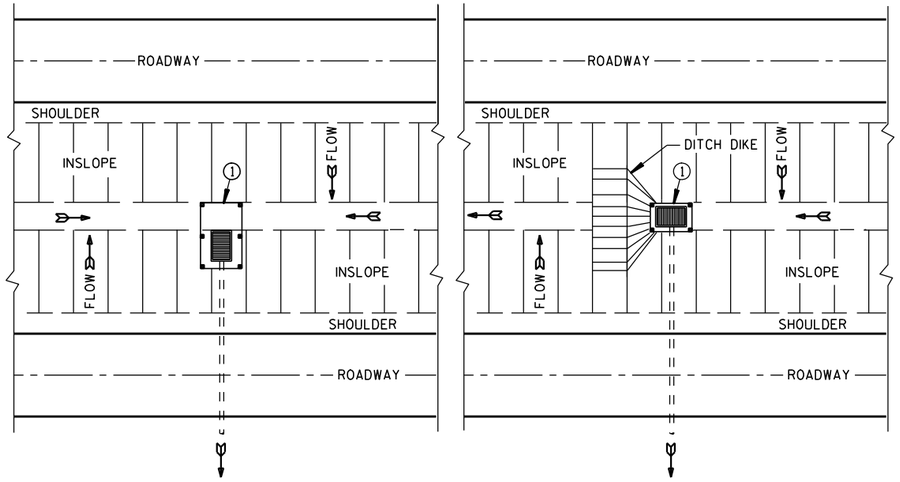
S.D.D. 8 E 8-3



PLAN VIEW

TYPICAL APPLICATION OF SILT FENCE



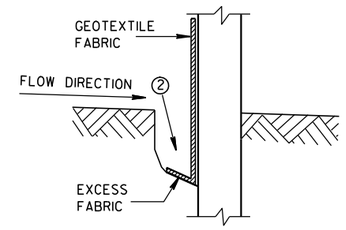
PLAN VIEW

SILT FENCE AT MEDIAN SURFACE DRAINS

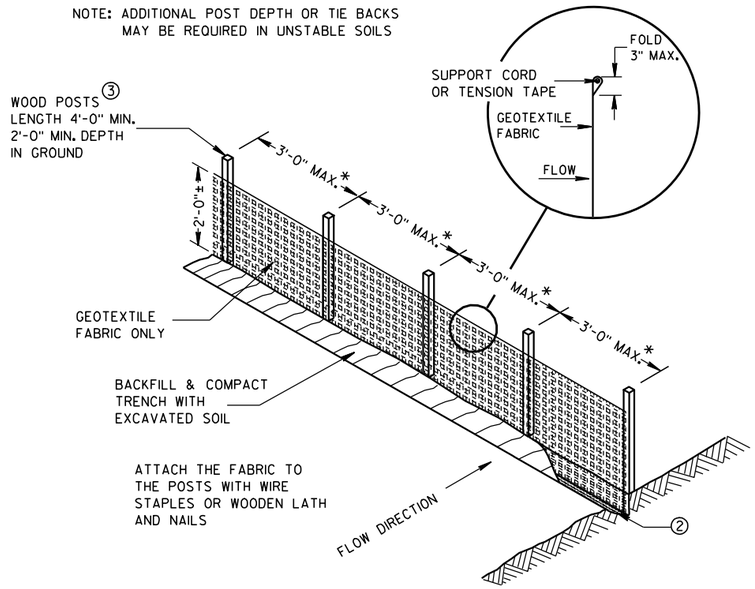
GENERAL NOTES

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

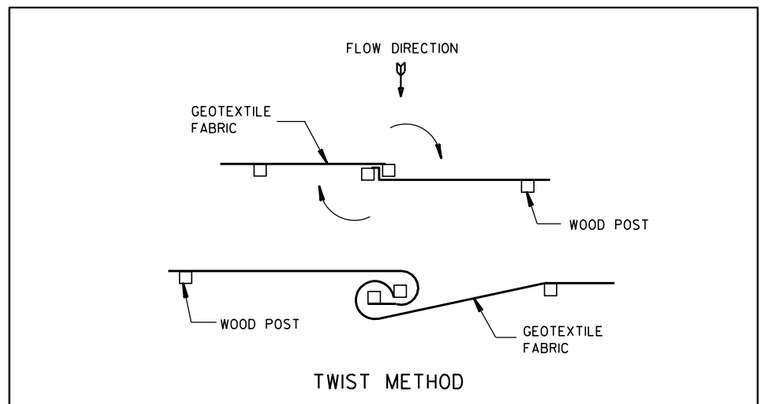
1. HORIZONTAL BRACE REQUIRED WITH 2" X 4" WOODEN FRAME OR EQUIVALENT AT TOP OF POSTS.
2. FOR MANUAL INSTALLATIONS THE TRENCH SHALL BE A MINIMUM OF 4" WIDE & 6" DEEP TO BURY AND ANCHOR THE GEOTEXTILE FABRIC. FOLD MATERIAL TO FIT TRENCH AND BACKFILL & COMPACT TRENCH WITH EXCAVATED SOIL.
3. WOOD POSTS SHALL BE A MINIMUM SIZE OF 1⅛" X 1⅛" OF OAK OR HICKORY.
4. SILT FENCE TO EXTEND ACROSS THE TOP OF THE PIPE.
5. CONSTRUCT SILT FENCE FROM A CONTINUOUS ROLL IF POSSIBLE BY CUTTING LENGTHS TO AVOID JOINTS. IF A JOINT IS NECESSARY USE ONE OF THE FOLLOWING TWO METHODS; A) OVERLAP THE END POSTS AND TWIST, OR ROTATE, AT LEAST 180 DEGREES, B) HOOK THE END OF EACH SILT FENCE LENGTH.



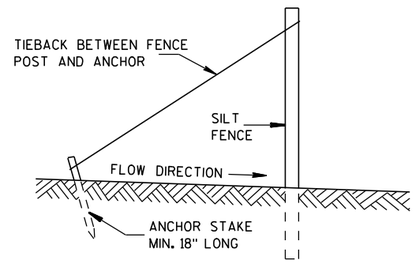
TRENCH DETAIL



SILT FENCE



JOINING TWO LENGTHS OF SILT FENCE 5



SILT FENCE TIE BACK

(WHEN REQUIRED BY THE ENGINEER)

SILT FENCE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

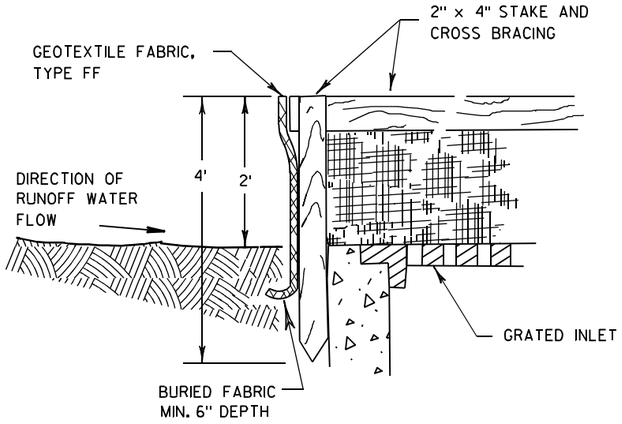
APPROVED
4-29-05 DATE
/S/ Beth Cannestra
CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

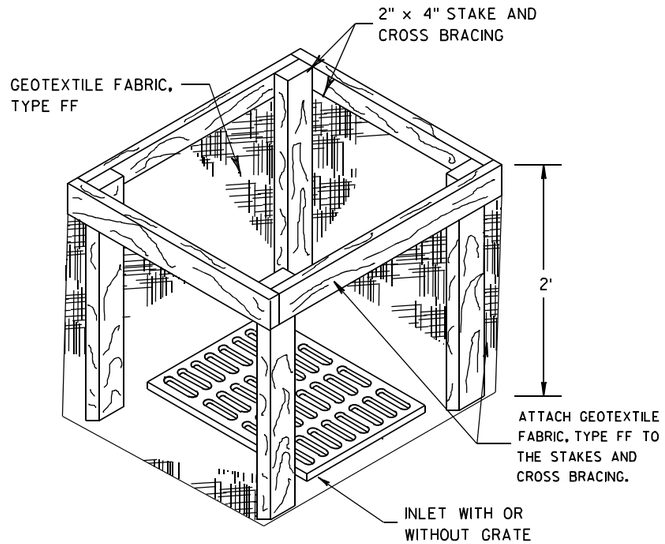
6

S.D.D. 8 E 9-6

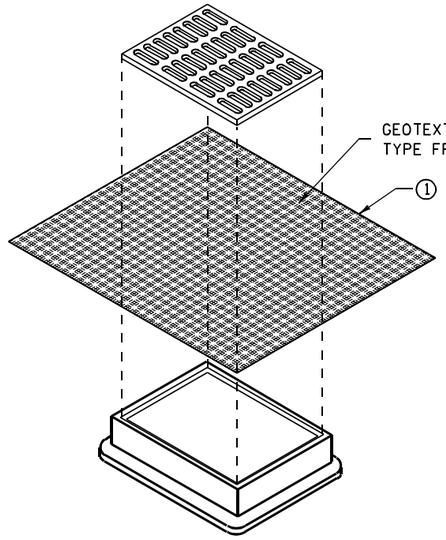
6

S.D.D. 8 E 9-6



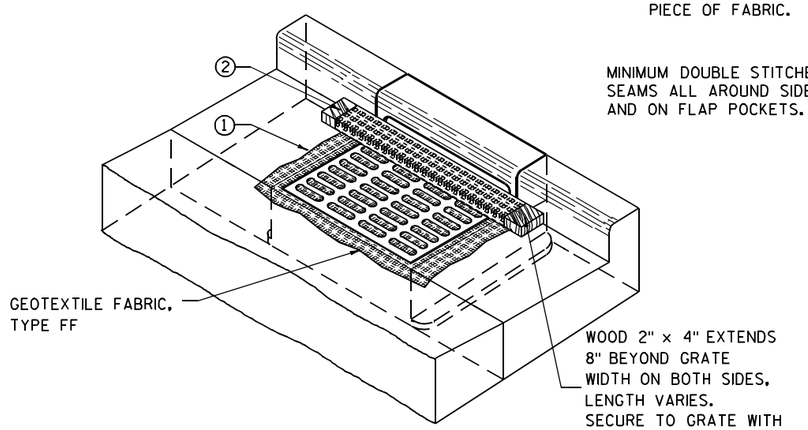


INLET PROTECTION, TYPE A

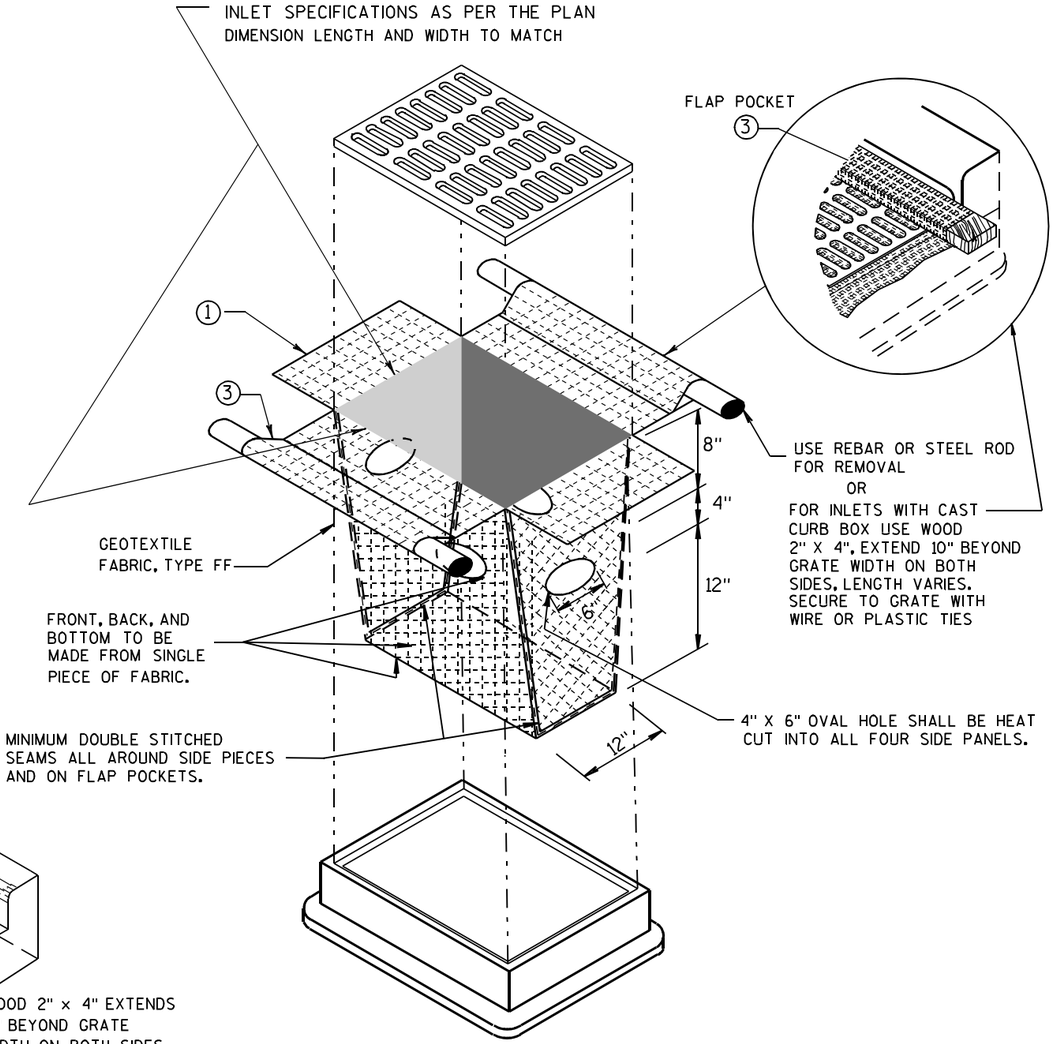


INLET PROTECTION, TYPE B
(WITHOUT CURB BOX)

(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

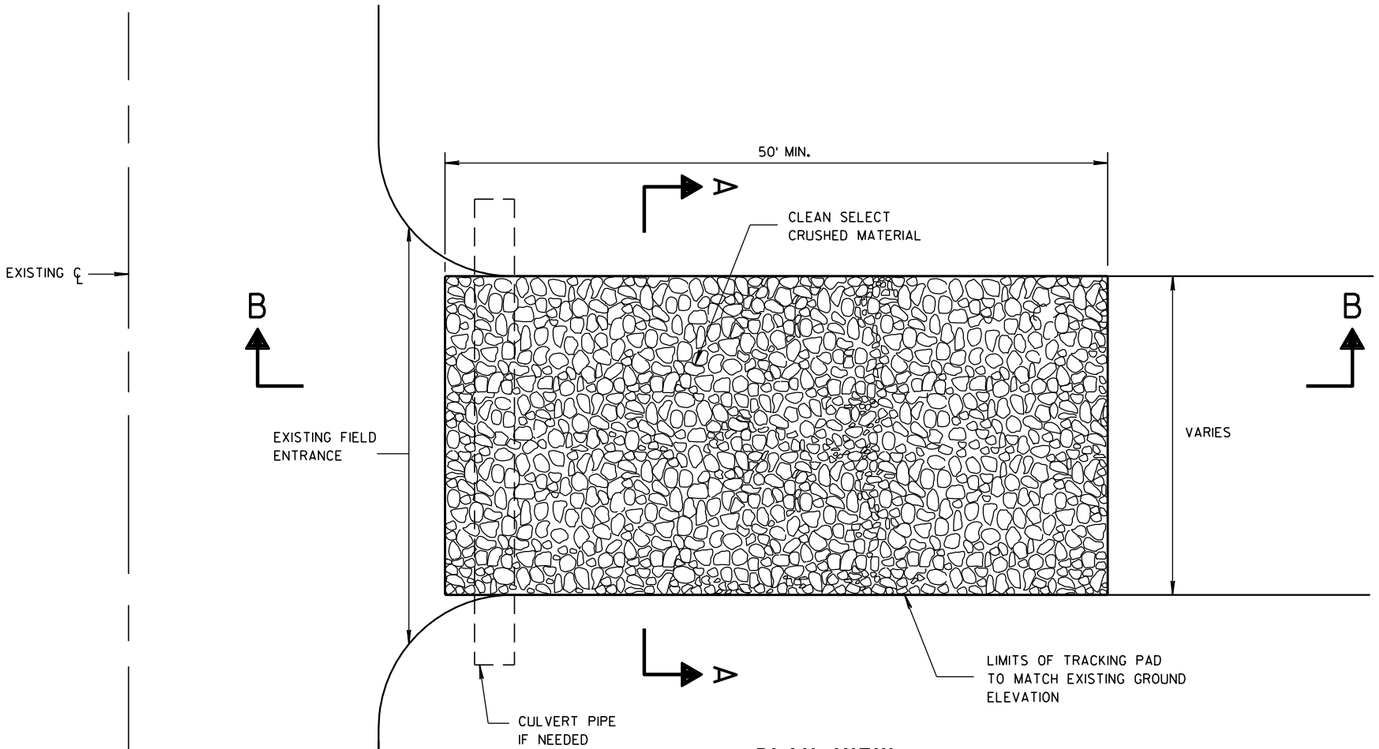
FHWA

6

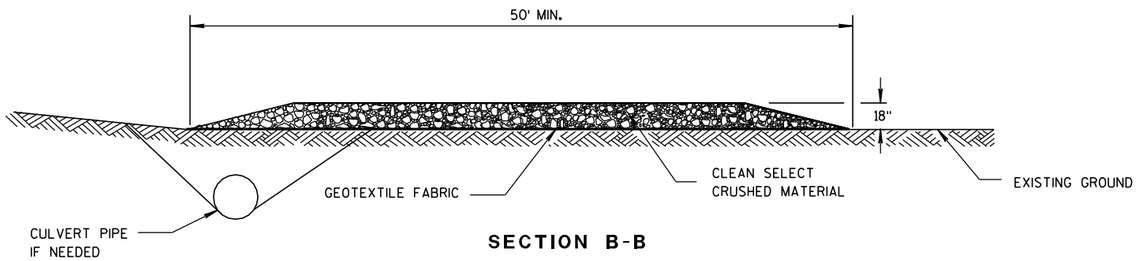
S.D.D. 8 E 10-2

6

S.D.D. 8 E 10-2



PLAN VIEW



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.

TRACKING PAD SHALL BE INSPECTED DAILY. DEFICIENT AREAS SHALL BE REPAIRED OR REPLACED IMMEDIATELY.

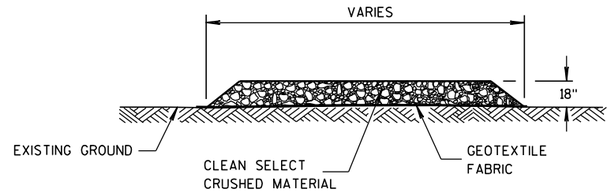
TRACKING PAD TO BE REMOVED AFTER CONSTRUCTION IS COMPLETED.

TRACKING PAD SHALL BE THE FULL WIDTH OF THE EGRESS POINT.

SURFACE WATER MUST BE PREVENTED FROM PASSING THROUGH THE TRACKING PAD. FLOWS SHALL BE DIVERTED AWAY, AROUND OR CONVEYED UNDER THE TRACKING PAD.

CULVERT PIPE OR OTHER BMP USED TO DIVERT WATER AWAY, AROUND OR UNDER THE TRACKING PAD SHALL BE DESIGNED TO CONVEY THE 2 YEAR - 24 HOUR EVENT.

THE COST OF ADDITIONAL BMP TO DIVERT WATER ARE INCIDENTAL TO THE TRACKING PAD BID ITEM.



SECTION A-A

TRACKING PAD

6

S.D.D. 8 E 14-1

TRACKING PAD

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

3/24/2011
DATE

/S/ Jerry H. Zoda
ROADWAY STANDARDS ENGINEER

410

ENT

FHWA

6

S.D.D. 8 E 14-1

METAL APRON ENDWALLS

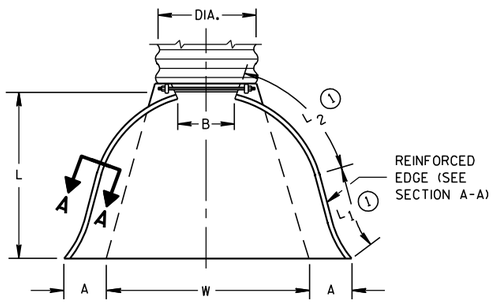
PIPE DIA. (IN.)	MIN. THICK. (Inches) STEEL	MIN. THICK. (Inches) ALUM.	DIMENSIONS (Inches) A (±1")	B (MAX.)	H (±1")	L (±1 1/2")	L1 ①	L2 ①	W (±2")	APPROX. SLOPE	BODY
12	.064	.060	6	6	6	21	12	17 1/2	24	2 1/2 to 1	1 Pc.
15	.064	.060	7	8	6	26	14	21 3/4	30	2 1/2 to 1	1 Pc.
18	.064	.060	8	10	6	31	15	28 1/4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

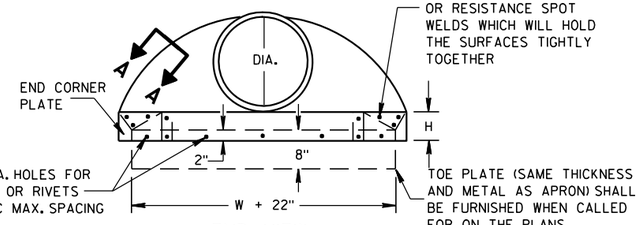
REINFORCED CONCRETE APRON ENDWALLS

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

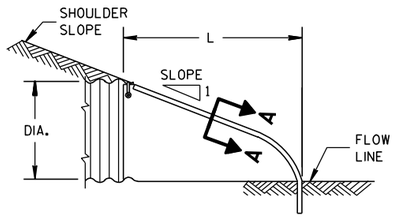
*MINIMUM
**MAXIMUM



PLAN VIEW

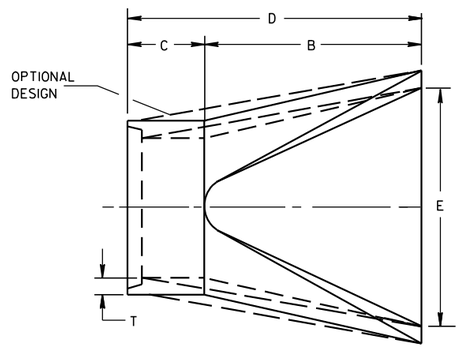


END VIEW

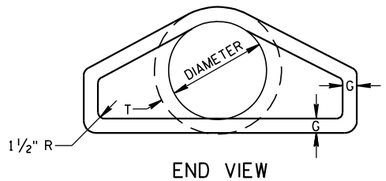


SIDE ELEVATION

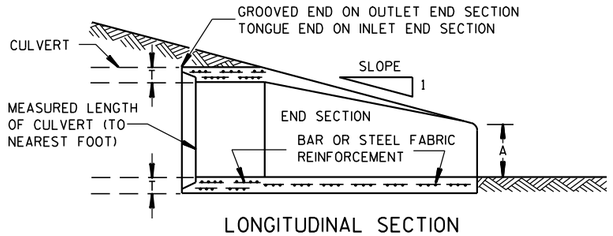
METAL ENDWALLS



PLAN

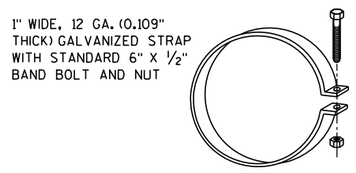


END VIEW



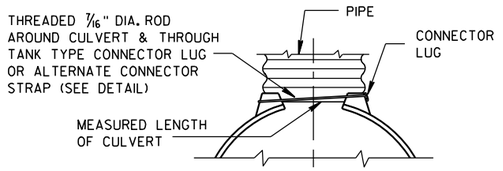
LONGITUDINAL SECTION

CONCRETE ENDWALLS

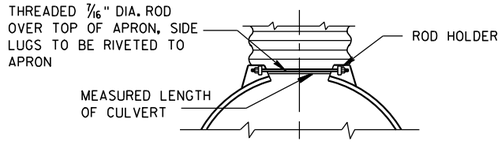


ALTERNATE FOR TYPE 1 CONNECTION

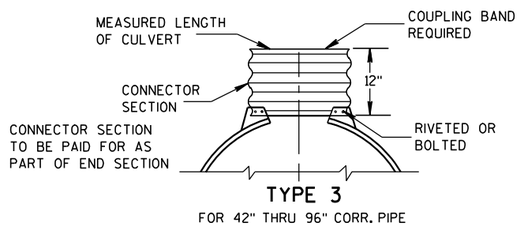
END SECTION CONNECTOR STRAP



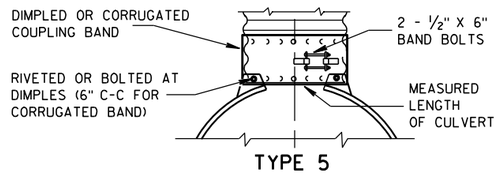
TYPE 1
FOR 12" THRU 24" CORR. PIPE



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

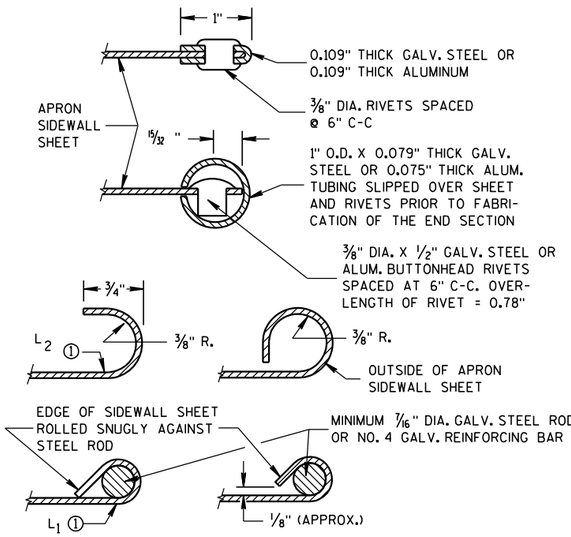
NOTE: DIMPLED BAND FITS OVER OUTSIDE OF ENDWALL. AND CORRUGATED BAND FITS INSIDE ENDWALL. DIMPLED BAND MAY BE USED WITH HELICALLY CORRUGATED PIPE.

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.

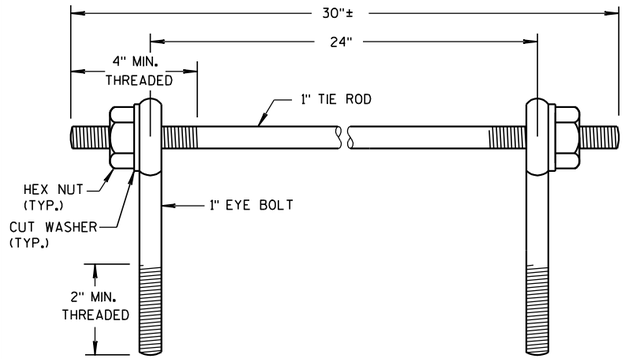
① FOR PIPE SIZES UP TO 60" DIAMETER, A 180° ROLLED EDGE MAY BE USED INSTEAD OF STEEL ROD REINFORCEMENT. SEE SECTION A-A.

APRON ENDWALLS FOR CULVERT PIPE

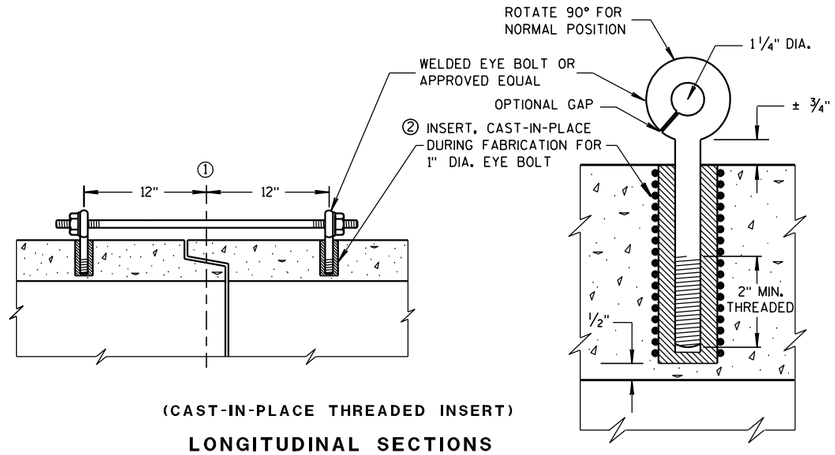
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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.

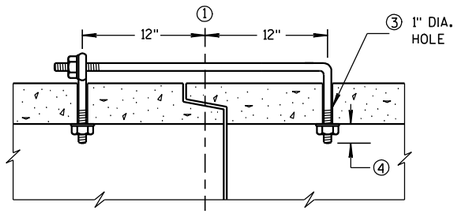
② THE INSIDE OF THE THREADED INSERTS SHALL BE CLEAN TO ALLOW THE INSERTION OF THREADED EYE BOLTS.

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

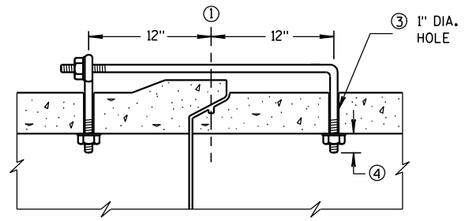
④ BOLT PROJECTION INSIDE OF PIPE SHALL NOT EXCEED 2 INCHES.

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)

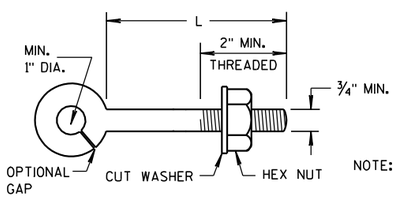


(MODIFIED BELL PIPE)

LONGITUDINAL SECTION

EYE BOLT DIMENSION TABLE

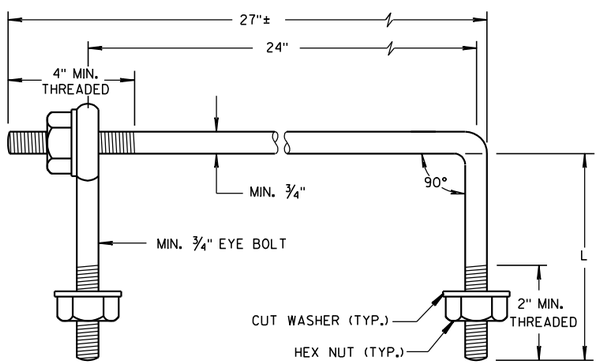
PIPE SIZE	L = LENGTH	
	TONGUE & GROOVE PIPE	MODIFIED BELL PIPE
18" TO 24"	4 1/2"	6 1/4"
30"	5"	7"
36"	5 1/2"	7"
42"	6"	
48"	6 1/2"	
60"	7 1/2"	
66"	8"	



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

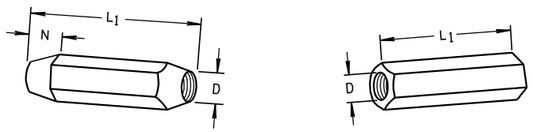
(JOINT TIES FOR 18" TO 66" DIA. CONCRETE PIPE)

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

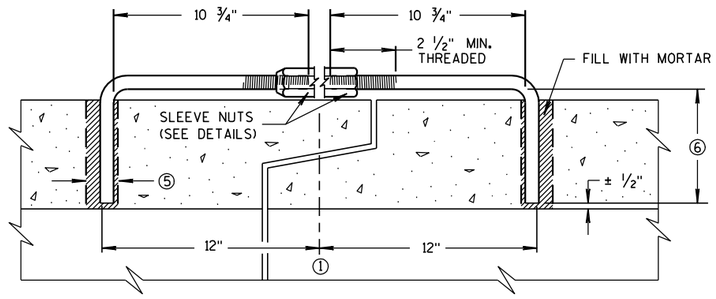
DIMENSIONS SHOWN ARE IN INCHES



TAPERED PLAIN

RIGHT AND LEFT THREADS

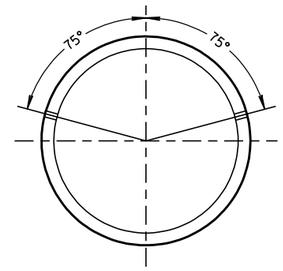
SLEEVE NUTS



LONGITUDINAL SECTION

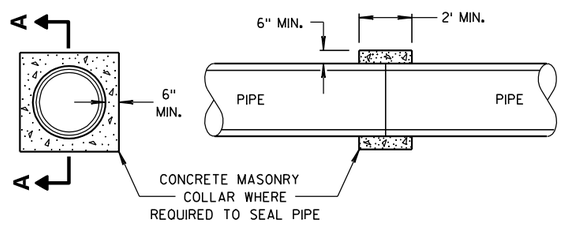
(JOINT TIES FOR 12" TO 108" DIA. CONCRETE PIPE)

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
412
FHWA

6

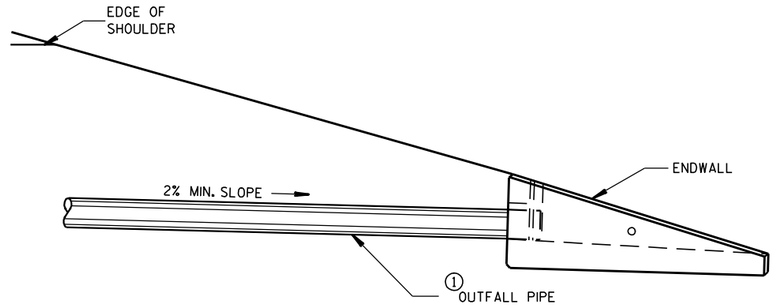
S.D.D. 8 F 4-7

6

S.D.D. 8 F 4-7

DIMENSIONS IN INCHES											
PIPE DIA.	A	B	C	D	E	F	G	H	J	L	Z
**4	6	12	5 1/4	9	8	32	36	11	2 3/8	6 1/2	4
6	8	14	7 1/4	11	10	42	44	13	3 5/8	8 1/2	6

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



INSTALLATION DETAIL

GENERAL NOTES

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

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

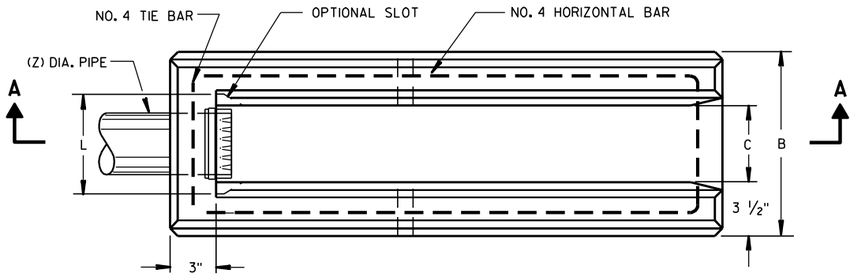
THE UNDERDRAIN PIPE SHALL BE FULLY INSERTED AND SEALED INTO THE ENDWALL WITH CEMENT MORTAR PRIOR TO BACKFILLING AROUND THE STRUCTURE.

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

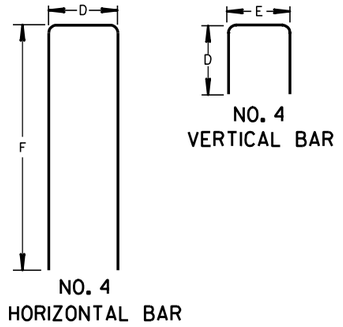
① THE OUTFALL PIPE UNDERDRAIN AND FITTINGS SHALL CONFORM TO THE REQUIREMENTS OF THE SPECIFICATION FOR POLY (VINYL CHORIDE) (PVC) PLASTIC DRAIN, WASTE AND VENT PIPE AND FITTINGS, ASTM DESIGNATION: D 2665, SCHEDULE 40 PVC OR THE STANDARD SPECIFICATION FOR TYPE PSM POLY (VINYL CHORIDE) (PVC) SEWER PIPE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

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

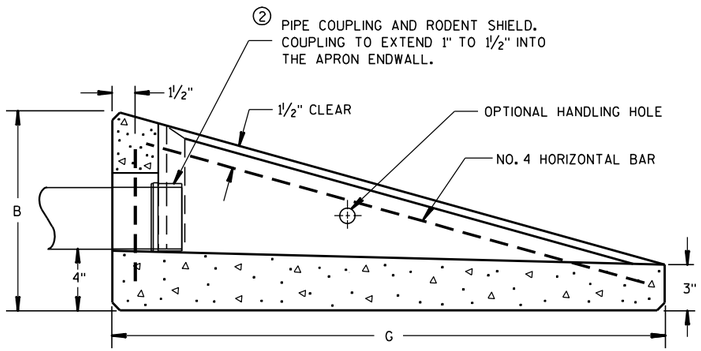
② THE RODENT SHIELD SHALL BE A PVC GRATE SIMILAR TO THIS DETAIL. THE GRATE IS COMMERCIALLY AVAILABLE AS A FLOOR STRAINER. A PIPE COUPLING IS REQUIRED FOR THE ATTACHMENT OF THIS SHIELD TO THE OUTFALL PIPE. THE SHIELD SHALL BE FASTENED TO THE PIPE COUPLING WITH TWO OR MORE NO. 10 X 1-INCH STAINLESS STEEL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



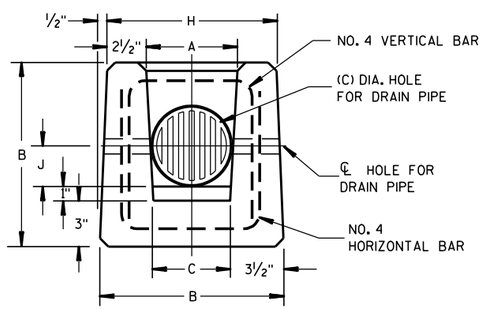
PLAN VIEW



BAR STEEL REINFORCEMENT DETAILS

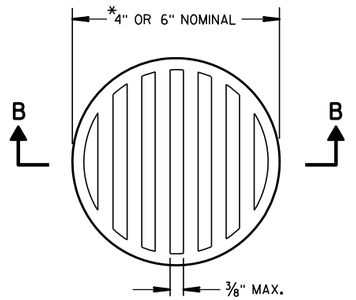


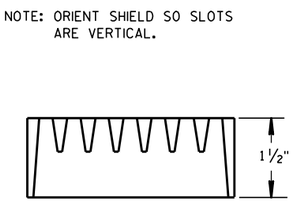
SECTION A-A



END VIEW

CONCRETE APRON ENDWALL FOR UNDERDRAIN





SECTION B-B

② RODENT SHIELD

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

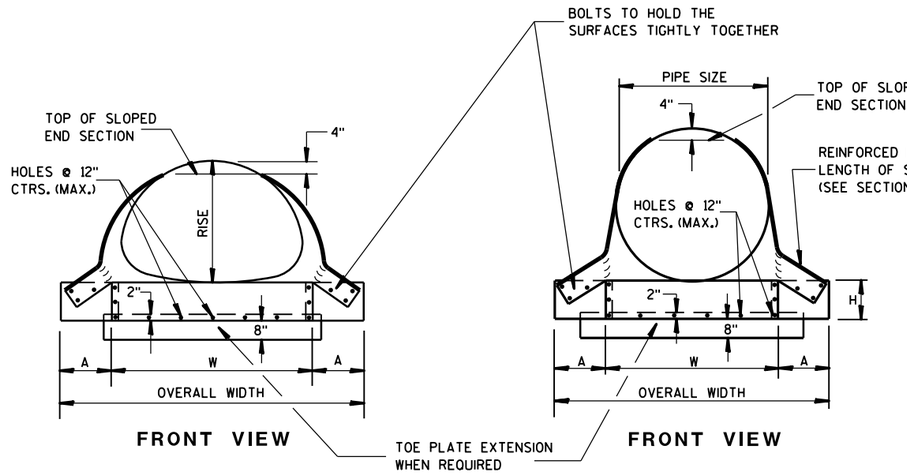
REINFORCED CONCRETE APRON ENDWALL FOR PIPE UNDERDRAIN

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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

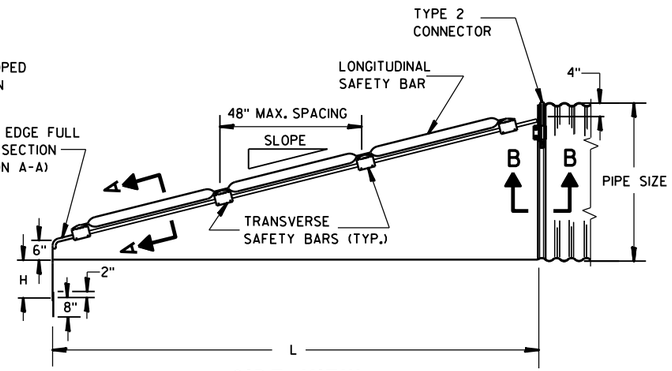
6

S.D.D. 8 F 6-4



FRONT VIEW

FRONT VIEW



SIDE VIEW
(48" SIZE ILLUSTRATED)

GENERAL NOTES

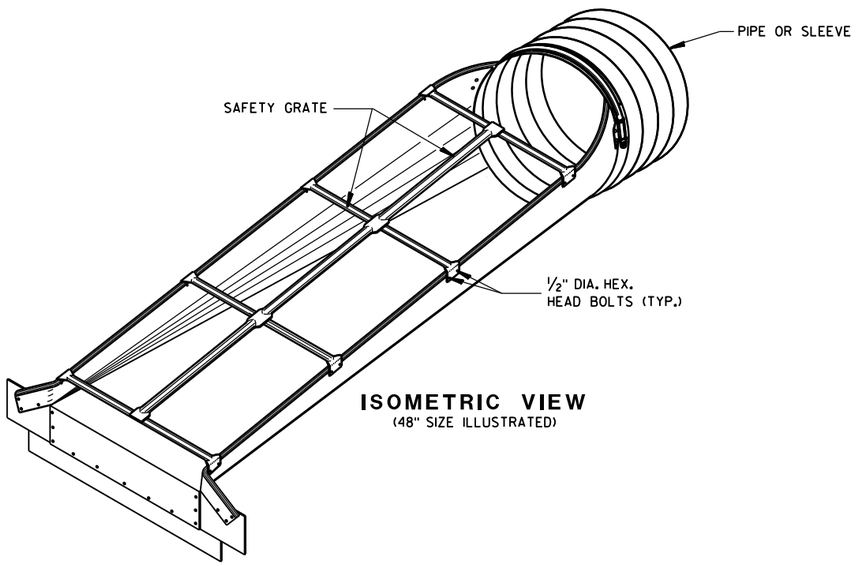
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.

SAFETY GRATES SHALL BE FABRICATED FROM 3-INCH DIAMETER GALVANIZED PIPE MEETING THE REQUIREMENTS OF ASTM A-53, GRADE B, SCHEDULE 40 OR APPROVED EQUAL. THE LONGITUDINAL BAR SHALL BE WELDED TO THE TRANSVERSE BARS WHERE THE BARS CROSS. THE NUMBER OF TRANSVERSE BARS REQUIRED WILL VARY DEPENDING ON THE LENGTH OF THE END SECTION.

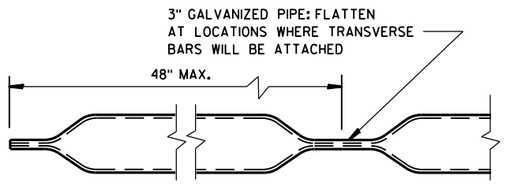
SLOPED STEEL ENDWALLS LOCATED AT THE ENDS OF CONCRETE CULVERT PIPE SHALL BE FURNISHED WITH STEEL ADAPTER SLEEVES.

STEEL APRON ENDWALLS FOR CULVERT PIPE CROSS DRAINS

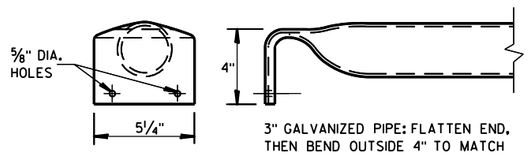
PIPE DIA. (IN.)	MIN. THICK.		DIMENSIONS (Inches)				L DIMENSIONS			
	IN.	GAGE	A	H	W	OVERALL WIDTH	SLOPE	LENGTH INCHES	SLOPE	LENGTH INCHES
36	.109	12	12	9	42	66	4:1	104	6:1	156
42	.109	12	16	12	48	80	4:1	128	6:1	192
48	.109	12	16	12	54	86	4:1	152	6:1	228
54	.109	12	16	12	60	92	4:1	176	6:1	264
60	.109	12	16	12	66	98	4:1	200	6:1	300



ISOMETRIC VIEW
(48" SIZE ILLUSTRATED)



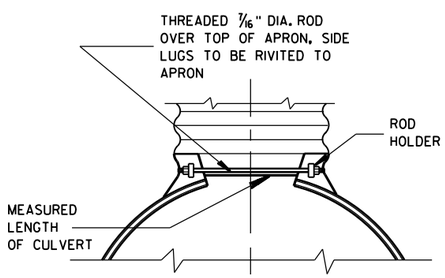
LONGITUDINAL SAFETY BAR



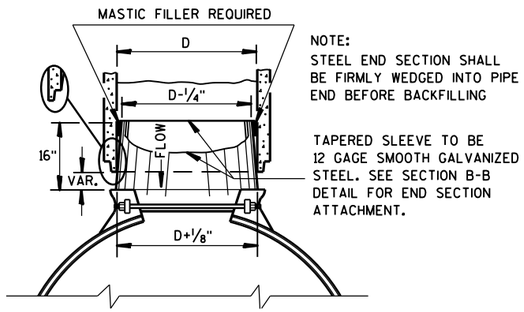
TRANSVERSE SAFETY BAR

STEEL APRON ENDWALLS FOR PIPE ARCH SLOPED CROSS DRAINS

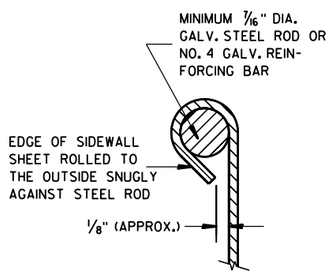
EQUIV. DIA. (IN.)	INCHES		MIN. THICK.		DIMENSIONS (Inches)				L DIMENSIONS			
	SPAN	RISE	IN.	GAGE	A	H	W	OVERALL WIDTH	SLOPE	LENGTH INCHES	SLOPE	LENGTH INCHES
30	35	24	.079	14	12	9	41	65	4:1	56	6:1	84
36	42	29	.109	12	12	9	48	72	4:1	76	6:1	114
42	49	33	.109	12	16	12	55	87	4:1	92	6:1	138
48	57	38	.109	12	16	12	63	95	4:1	112	6:1	168
54	64	43	.109	12	16	12	70	102	4:1	132	6:1	198
60	71	47	.109	12	16	12	77	109	4:1	148	6:1	222



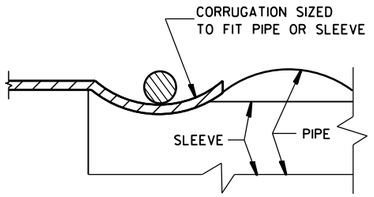
TYPE 2 CONNECTOR DETAIL



STEEL ADAPTER SLEEVE FOR CONCRETE PIPE



SECTION A-A



SECTION B-B

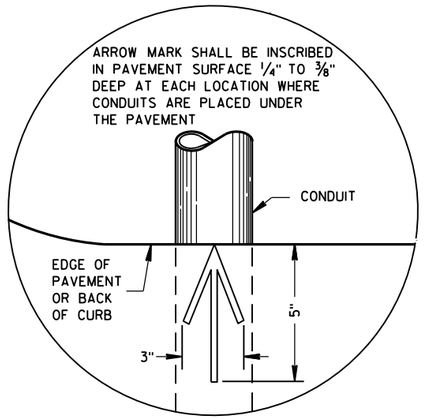
STEEL APRON ENDWALLS FOR CULVERT PIPE AND PIPE ARCH SLOPED CROSS DRAINS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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

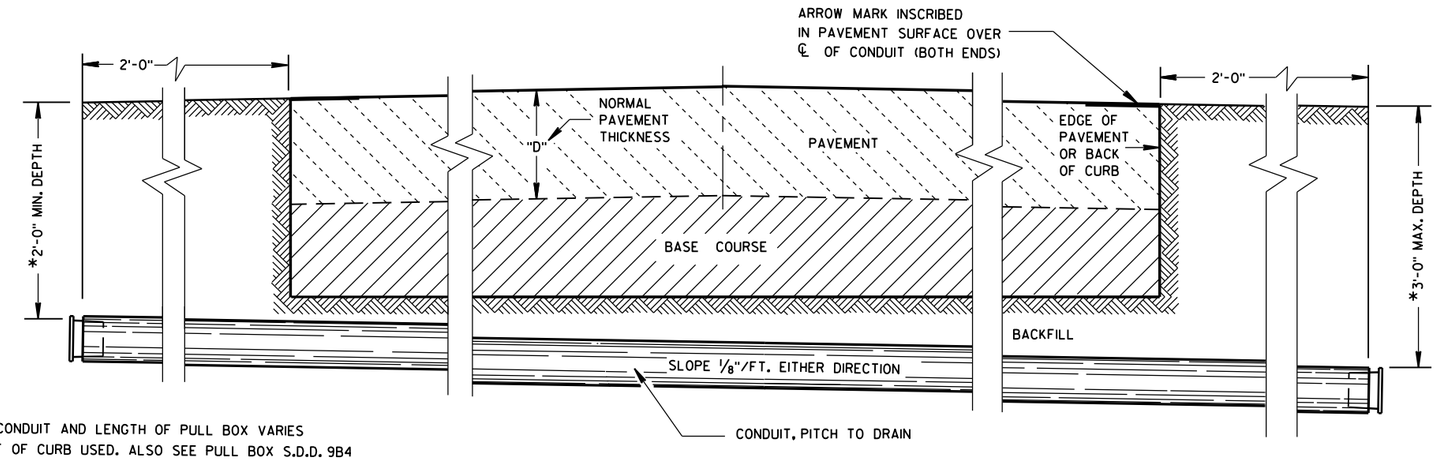
6

S.D.D. 8 F 8-2



PLAN VIEW

ARROW MARK



*DEPTH OF CONDUIT AND LENGTH OF PULL BOX VARIES WITH HEIGHT OF CURB USED. ALSO SEE PULL BOX S.D.D. 9B4

SIDE ELEVATION

DETAIL FOR CONDUIT UNDER PAVED HIGHWAYS

GENERAL NOTES

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

METALLIC (STANDARD SPECIFICATION 652.2.2) OR NONMETALLIC (STANDARD SPECIFICATION 652.2.3) CONDUIT SHALL BE FURNISHED AND PLACED AS SHOWN.

DEPTH OF CONDUIT INSTALLED BELOW THE TRAVELED WAY SHALL BE 24 INCHES MINIMUM AND 36 INCHES MAXIMUM.

DEPTH OF CONDUIT INSTALLED THAT IS NOT BELOW THE TRAVELED WAY SHALL BE 18 INCHES MINIMUM AND 36 INCHES MAXIMUM.

ANY EXCEPTION TO THE MAXIMUM DEPTH SHALL BE ONLY WITH THE WRITTEN APPROVAL OF THE ENGINEER.

THE TRENCH SHALL NOT BE BACKFILLED PRIOR TO INSPECTION OF THE CONDUIT.

ALL METALLIC CONDUIT RACEWAY ENDS SHALL BE REAMED AND THREADED.

ALL METALLIC CONDUIT IN WHICH WIRE OR CABLE IS TO BE INSTALLED SHALL BE BUSHED WITH APPROVED THREADED BUSHINGS BEFORE INSTALLATION OF THE WIRE OR CABLE.

ALL METALLIC CONDUITS IN WHICH WIRE OR CABLE IS NOT TO BE INSTALLED SHALL BE CAPPED WITH THREADED PROTECTIVE CAPS, AS APPROVED BY THE ENGINEER.

ALL NONMETALLIC CONDUIT SHALL BE CAPPED OR PLUGGED IMMEDIATELY AFTER INSTALLATION AND SHALL REMAIN CAPPED OR PLUGGED UNTIL WIRE/CABLES ARE INSTALLED.

NONMETALLIC CONDUITS IN WHICH WIRE OR CABLE IS NOT BEING INSTALLED SHALL REMAIN CAPPED OR PLUGGED.

BENDING OF PVC ELECTRICAL CONDUIT SHALL BE ACCOMPLISHED BY USING A BLANKET OR EMERSION TYPE TANK DESIGNED FOR THE PURPOSE OF BENDING PVC ELECTRICAL CONDUIT.

ALL CUT ENDS SHALL BE TRIMMED INSIDE AND OUTSIDE TO REMOVE ALL ROUGH EDGES ON NONMETALLIC CONDUIT. (SEE NEC 347.5)

WHEN REQUIRED TO CONNECT NONMETALLIC CONDUIT TO METALLIC CONDUIT, ONLY U.L. LISTED ADAPTER FITTINGS SHALL BE USED.

PRIOR TO CONDUIT ACCEPTANCE, CONDUIT CAPS OR PLUGS SHALL BE REMOVED, AND THE CAPS, PLUGS AND CONDUIT ENDS SHALL BE THOROUGHLY CLEANED AND THEN THE CAPS OR PLUGS REINSTALLED TO ENSURE THAT THE CAPS OR PLUGS CAN BE EASILY REMOVED IN THE FUTURE.

ALL CONDUIT BEING FURNISHED AND INSTALLED SHALL HAVE THE U.L. LABEL FIRMLY ATTACHED.

CONDUIT RUNS SHALL BE THE SAME SIZE OF CONDUIT FROM ONE END TO THE OTHER (FROM PULL BOX TO PULL BOX-OR-JUNCTION BOX TO JUNCTION BOX-OR-BASE TO BASE, ETC.).

TRACER WIRE SHALL BE INSTALLED AS STATED IN THE STANDARD SPECIFICATION, ITEM 652.3.1.1.

ALL CONDUIT RUNS SHALL BE STRAIGHT (WITHOUT BENDS) FROM PULL BOX TO PULL BOX, PULL BOX TO BASE AND BASE TO BASE AS SHOWN ON THE PLANS.

CONDUIT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
March, 2017 — DATE
/S/ Ahmet Demirbilek — STATE ELECTRICAL
FHWA

6

S.D.D. 9 B 2-10

TABLE OF NOMINAL DIMENSIONS AND WEIGHTS

DIMENSION IN INCHES		NON-CONDUCTIVE PULL BOX	
BOX DIAMETER ** (INSIDE)	A	24	24
BOX OVERALL OUTSIDE DIAMETER	B	27	27
BOX LENGTH	C	36	42
FRAME OPENING	D	22 1/2	22 1/2
WEIGHT IN POUNDS *			
COVER		50	50
BOX ONLY		75	85

* THE ACTUAL WEIGHT OF THE COVER OR BOX ONLY MAY VARY NOT TO EXCEED 100 LBS INDIVIDUALLY.

** DIAMETER VARIES FROM TOP TO BOTTOM WITH THE DIAMETER LARGER AT THE BOTTOM TO PREVENT FROST HEAVE

GENERAL NOTES

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

ALL BOXES, FRAMES AND COVERS SHALL BE SUITABLE FOR TIER 15 LOADING AS SPECIFIED IN ANSI/SCTE 77.

PROVIDE AN OPENING FOR TOOL ASSISTED COVER REMOVAL NOT LARGE ENOUGH TO PERMIT PASSAGE OF A SPHERE MORE THAN 1/2" DIAMETER

ENSURE COVER SURFACE IS SKID RESISTANT WITH A COEFFICIENT OF FRICTION OF AT LEAST 0.5 AND VERTICAL SURFACE DICONTINUITIES LESS THAN 1/4".

COVER SHALL BE MAGNETICALLY LOCATABLE.

BOXES AND EXTENSIONS ARE TRIMMABLE FOR CUSTOM LENGTHS. TRIMMED PIECES SHALL MAINTAIN A UNIFORM LENGTH.

ENTRANCE HOLES INTO PULL BOXES SHALL BE CUT WITH A CIRCULAR HOLE SAW OR HYDRAULIC CONDUIT PUNCH. HOLE SIZE SHALL BE THE OUTSIDE DIAMETER OF THE CONDUIT THAT IS TO FIT IN THE OPENING PLUS NO MORE THAN 1/4".

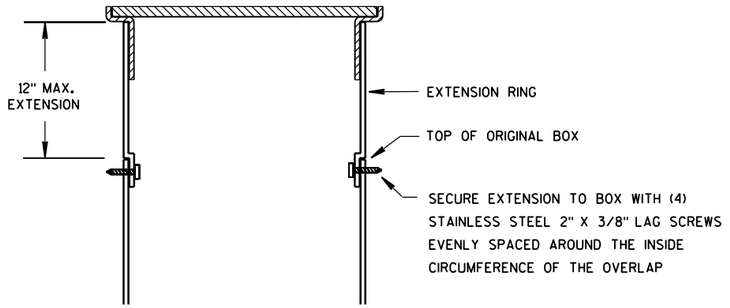
THE CONTRACTOR SHALL NOT INSTALL WIRE IN ANY PULL BOX UNTIL ITS INSTALLATION HAS BEEN INSPECTED AND ACCEPTED BY THE ENGINEER.

ALL METALLIC CONDUIT IN WHICH WIRE AND/OR CABLE IS TO BE INSTALLED, SHALL BE BUSHED BEFORE INSTALLATION OF THE WIRE AND/OR CABLE.

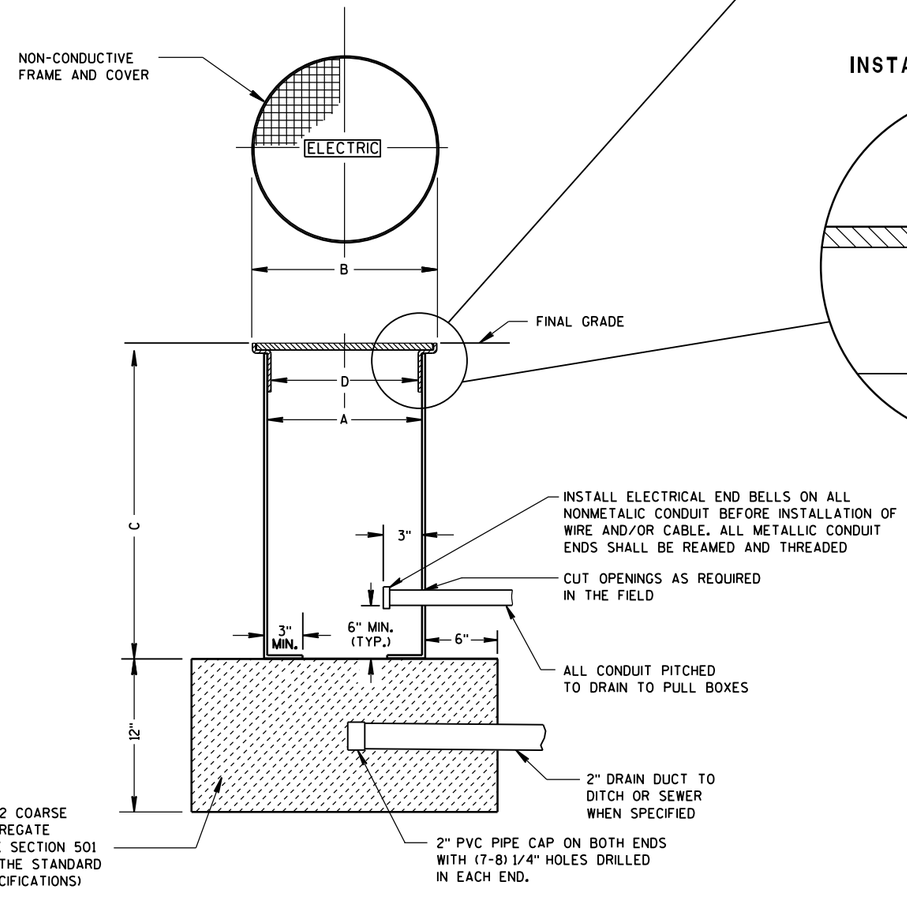
ENTIRE BOX MUST BE CONSTRUCTED OF NON-CONDUCTIVE MATERIALS WITH THE EXCEPTION OF STAINLESS STEEL FASTENERS AND MAGNETIC LOCATABLE DEVICE.

WHEN A PULL BOX IS INSTALLED IN CRUSHED AGGREGATE SHOULDERS, PLACE IT 2-3 INCHES BELOW GRADE AND COVER IT WITH 2-3 INCHES OF CRUSHED AGGREGATE

LABEL ON COVER SHALL READ "ELECTRIC" FOR SIGNAL AND LIGHTING SYSTEMS, "WISDOT ITS" FOR COMMUNICATIONS AND ITS EQUIPMENT SYSTEMS.

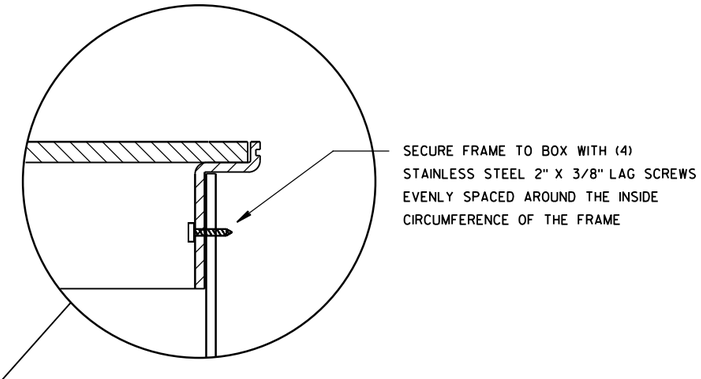


BOX EXTENSION

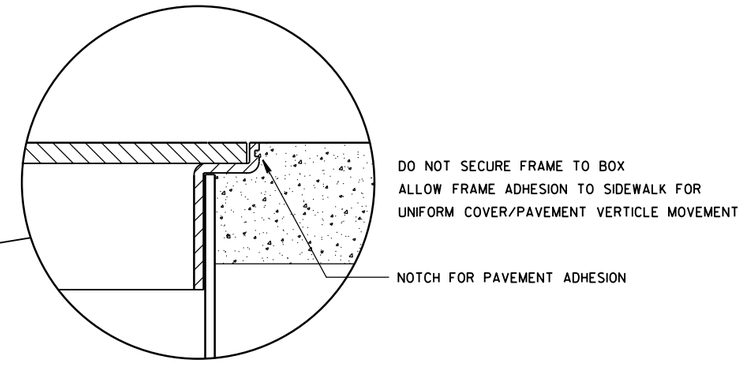


NON-CONDUCTIVE PULL BOX

INSTALLED IN SOD OR CRUSHED AGGREGATE



INSTALLED IN SIDEWALK



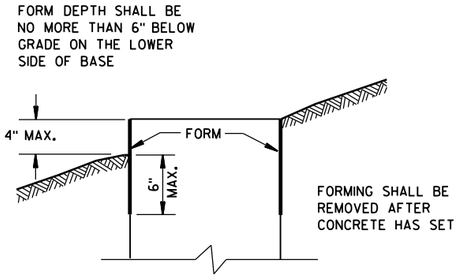
PULL BOX NON-CONDUCTIVE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2017 — DATE
/S/ Ahmet Demirbilek — STATE ELECTRICAL
FHWA

6

S.D.D. 9 B 16-1



FORMING DETAIL

QUANTITY REQUIREMENTS	CONCRETE BASE TYPE		
	1	2	5 & 6
APPROX. CUBIC YARDS OF CONCRETE	0.40	0.57	0.40
LBS. OF HOOP BAR STEEL	NONE	23	16
LBS. OF VERTICAL BAR STEEL	NONE	60	18

GENERAL NOTES

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

BASES SHALL BE EXCAVATED BY USE OF A CIRCULAR AUGER.

TOP SURFACES OF CONCRETE BASES SHALL BE TROWEL FINISHED SMOOTH AND LEVEL.

CONDUIT SIZES AND LOCATIONS SHALL BE AS SHOWN ON THE PLANS.

THE FINAL OR TERMINATING CONCRETE BASE IN A CONDUIT RUN SHALL HAVE A 6" EXIT STUB INSTALLED FOR FUTURE CABLING USE. THE EXIT STUB SHALL BE SIZED AS USED THROUGHOUT THE CONDUIT RUN AS SHOWN AT THE ENTRANCE OF THE BASE.

MINIMUM BENDING RADIUS OF CONDUIT IS EQUAL TO 6 X THE DIAMETER.

CONDUIT HEIGHT ABOVE CONCRETE BASES SHALL BE 1 INCH. ALL METALLIC CONDUIT ENDS SHALL BE REAMED AND THREADED.

ALL CONDUIT ENDS AT THE TOP OF CONCRETE BASES SHALL BE CAPPED IF METALLIC OR PLUGGED IF NONMETALLIC IMMEDIATELY AFTER PLACEMENT AND BEFORE CONCRETE IS POURED. CONDUITS IN WHICH WIRE OR CABLE IS NOT INSTALLED SHALL REMAIN CAPPED OR PLUGGED.

GENERAL NOTES (CONTINUED)

BELL ENDS SHALL BE INSTALLED ON ALL PVC CONDUIT EXPOSED AT THE TOP OF CONCRETE BASES BEFORE INSTALLATION OF CABLE OR WIRE.

ENDS OF CONDUIT INSTALLED BELOW GRADE FOR FUTURE USE SHALL BE CAPPED IF METALLIC OR PLUGGED IF NONMETALLIC.

WHEN REQUIRED TO CONNECT NONMETALLIC CONDUIT TO METALLIC CONDUIT, ONLY ADAPTER FITTINGS, U.L. LISTED FOR ELECTRICAL USE, SHALL BE USED.

IF A BASE REQUIRES A DEEP FORM BECAUSE OF LOOSE DIRT OR FILL, THE FORM SHALL BE REMOVED BEFORE BACKFILLING AROUND THE BASE. BACKFILL SHALL BE TAMPED TIGHT AGAINST THE BARE CONCRETE BASE IN LAYERS OF 1 FOOT OR LESS.

A NO. 4 AWG, STRANDED COPPER EQUIPMENT GROUNDING CONDUCTOR SHALL BE EXOTHERMICALLY WELDED TO THE EQUIPMENT GROUNDING ELECTRODE (GROUND ROD) FOR TYPE 1, TYPE 2, TYPE 5, AND TYPE 6 BASES.

THE EQUIPMENT GROUNDING CONDUCTOR SHALL BE FURNISHED AND INSTALLED TO ENTER THE BASE OF THE TYPE 2 AND TYPE 5 BASES THROUGH A 1 INCH CONDUIT INSTALLED FOR GROUNDING PURPOSES, LEAVING A 4 FOOT COIL OF WIRE ABOVE THE CONCRETE BASE. THE EQUIPMENT GROUNDING CONDUCTOR SHALL BE NEATLY COILED AND THE COILS TIED TOGETHER.

ANCHOR RODS SHALL BE THREADED 12" IN LENGTH ON EACH END OF THE ROD. ANCHOR RODS SHALL BE MANUFACTURED IN ACCORDANCE WITH SECTION 654.2.1 OF THE STANDARD SPECIFICATIONS.

WASHERS AND LOCK WASHERS ARE REQUIRED ON ALL ANCHOR RODS.

WHEN ANCHOR RODS USING THE ALTERNATE "L" BEND ARE FURNISHED, THE 4" "L" BEND SHALL BE IN ADDITION TO THE SPECIFIED ANCHOR ROD BAR LENGTH. THE "L" BEND END SHALL NOT BE THREADED.

ANCHOR RODS SHALL BE INSTALLED WITH MISALIGNMENTS OF LESS THAN 1:40 FROM VERTICAL.

WELDING OF THE ANCHOR RODS TO THE CAGE IS UNACCEPTABLE. TIE WIRES SHALL BE USED.

BAR STEEL REINFORCEMENT SHALL BE COATED WITH POWDERED EPOXY RESIN IN ACCORDANCE WITH SECTION 505 OF THE STANDARD SPECIFICATIONS (LATEST EDITION).

(1) THE MINIMUM DEPTH OF CONDUIT EXITING THE CONCRETE BASE AND INSTALLED BELOW THE TRAVELED WAY SHALL BE 24 INCHES. THE MINIMUM DEPTH OF CONDUIT EXITING THE CONCRETE BASE THAT IS NOT INSTALLED BELOW THE TRAVELED WAY SHALL BE 18 INCHES. THE MAXIMUM DEPTH OF ALL CONDUIT SHALL BE 36 INCHES EXCEPT WITH WRITTEN APPROVAL BY THE ENGINEER.

(2) (4) 1" DIA. X 3'-6" ANCHOR RODS.

(3) (4) 1" DIA. X 5'-0" ANCHOR RODS.

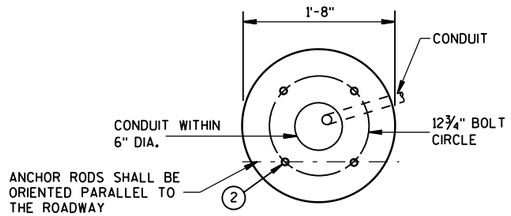
(4) (6) NO. 6 X 6'-8" BAR STEEL REINFORCEMENT.

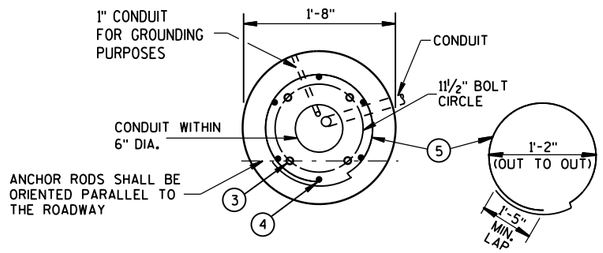
(5) (7) NO. 4 X 5'-1" BAR STEEL REINFORCEMENT @ 1'-0" C-C.

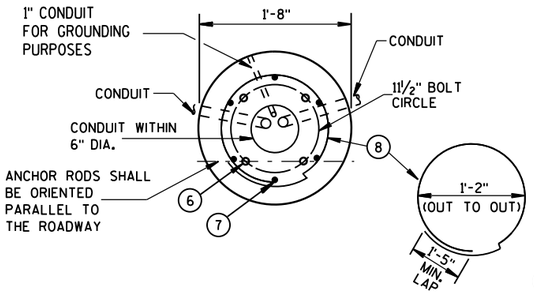
(6) (4) 1" DIA. X 3'-6" ANCHOR RODS.

(7) (6) NO.4 X 4'-8" BAR STEEL REINFORCEMENT.

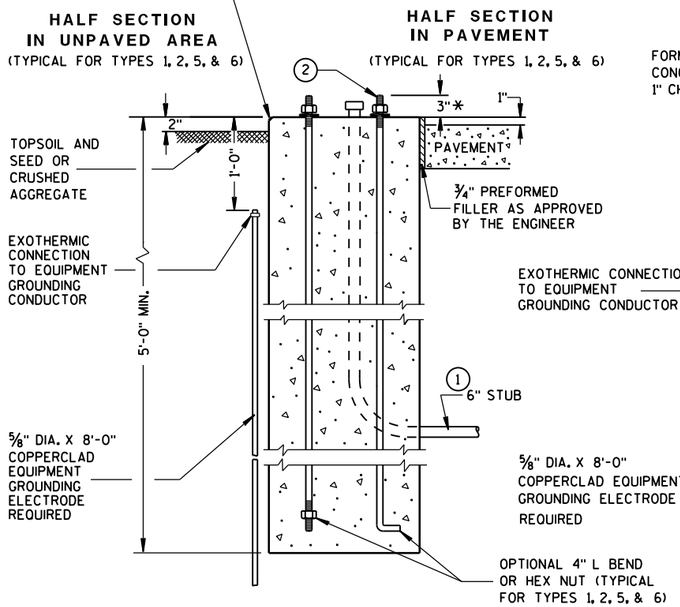
(8) (5) NO. 4 X 5'-1" BAR STEEL REINFORCEMENT @ 1'-0" C-C.



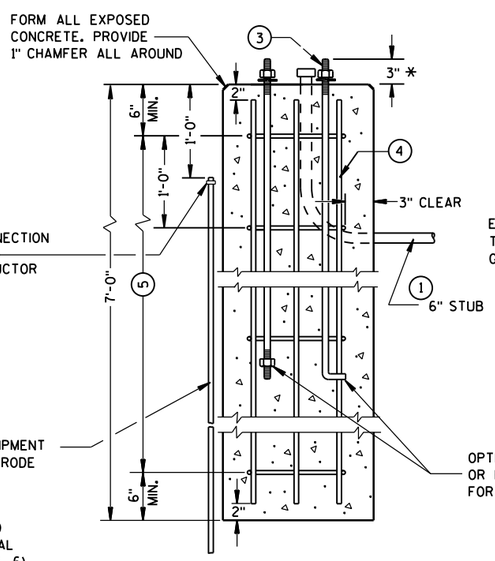




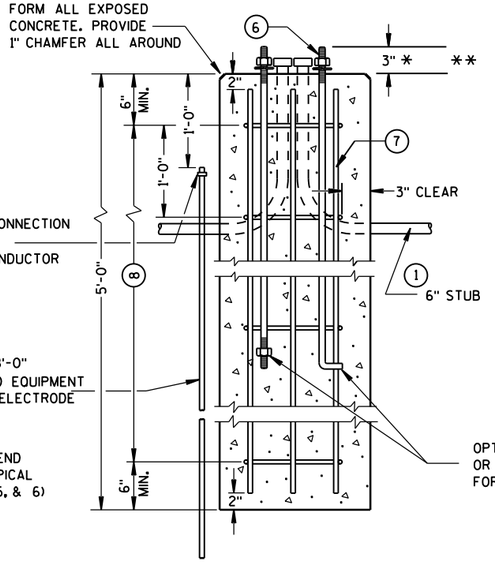
HALF SECTION IN UNPAVED AREA
(TYPICAL FOR TYPES 1, 2, 5, & 6)



HALF SECTION IN PAVEMENT
(TYPICAL FOR TYPES 1, 2, 5, & 6)



TYPE 2



TYPE 5 & 6

CONCRETE BASES

* ANY ANCHOR ROD PROJECTION SHORTER THAN 2¾" OR LONGER THAN 3¼" SHALL REQUIRE THE BASE TO BE REMOVED AND REPLACED AT THE CONTRACTORS EXPENSE.

** FOR NONBREAKAWAY INSTALLATIONS, 4½" ± ANCHOR ROD PROJECTION WITH THE USE OF LEVELING NUTS. RODENT SCREEN REQUIRED.

CONCRETE BASES, TYPES 1, 2, 5, & 6

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept. 2014 — DATE
/S/ Ahmet Demirbilek — STATE ELECTRICAL
FHWA

6

S.D.D. 9 C 2-7

GENERAL NOTES

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

FOUR (4) BOLTS SHALL BE FURNISHED WITH EACH TRANSFORMER BASE. BOLTS SHALL BE 1" DIAMETER, 4" IN LENGTH, WITH WASHERS, LOCK WASHERS AND NUTS. BOLTS, NUTS AND WASHERS SHALL BE MANUFACTURED IN ACCORDANCE WITH SECTION 641.2.2 OF THE STANDARD SPECIFICATIONS.

LEVELING SHIMS, IF NEEDED, SHALL BE DESIGNED FOR THE PURPOSE AND USED UNDER CAST BASES WHEN PLUMBING POLES OR STANDARDS DURING INSTALLATION. THE USE OF WASHERS IN LIEU OF PROPER LEVELING SHIMS IS NOT ACCEPTABLE.

SHIM LENGTH SHALL BE LONG ENOUGH TO COMPLETELY COVER THE AREA UNDER THE LENGTH AND WIDTH OF THE BASE MOUNTING FLANGE.

DOUBLE NUTTING IS NOT ACCEPTABLE FOR LEVELING OR MOUNTING PURPOSES.

A NEMA APPROVED, U.L. LISTED, COPPER WITH BRASS OR STAINLESS STEEL SET SCREW, DIRECT BURY RATED, MECHANICAL CONNECTOR (LUG), SIZED TO ACCEPT AWG. #10 TO #4 COPPER STRANDED WIRE SHALL BE FURNISHED AND INSTALLED IN THE PEDESTAL AND TRANSFORMER BASES.

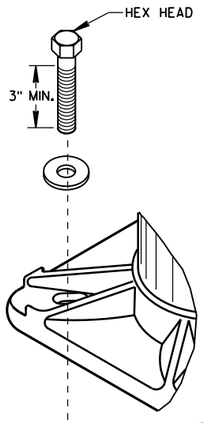
THE MECHANICAL CONNECTOR SHALL BE INSTALLED USING A 1/4" - 20 (TPI) STAINLESS STEEL HEX HEAD BOLT OF SUFFICIENT LENGTH TO FIRMLY ATTACH THE LUG TO THE BASE.

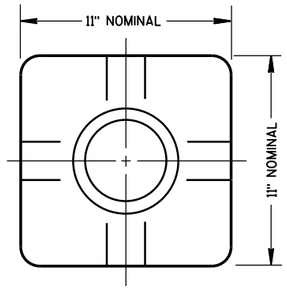
SHOULD THE MANNER OF ATTACHMENT OF THE LUG REQUIRE WASHERS, HEX NUTS, LOCK WASHER - THEY SHALL BE STAINLESS STEEL AS IS THE BOLT. THE MANNER OF ATTACHMENT SHALL NOT BLOCK ACCESSIBILITY TO WIRE PLACEMENT IN THE CONNECTOR.

PEDESTAL BASE COLLAR THREADING SHALL BE TAPERED AND IN ACCORDANCE WITH NATIONAL PIPE THREADING DIMENSIONS.

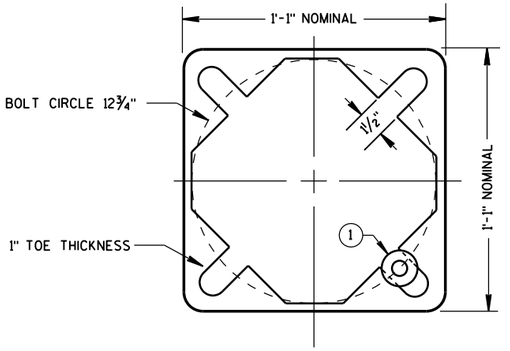
BASE COLLAR THREADING SHALL EXTEND INTO THE BASE COLLAR WITH SUFFICIENT DEPTH TO ACCEPT THE INSTALLATION OF TRAFFIC SIGNAL STANDARDS TO A DEPTH OF 1 1/2", THEN TIGHTENING TO A POINT OF BEING IMMOVABLE.

THE ACCESS DOOR SHALL BE OF THE SAME MATERIAL AS THE BASE.

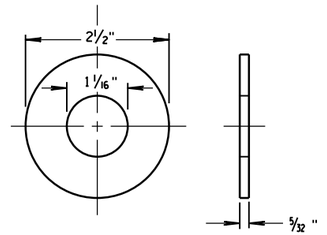




TOP VIEW
(PEDESTAL BASE)

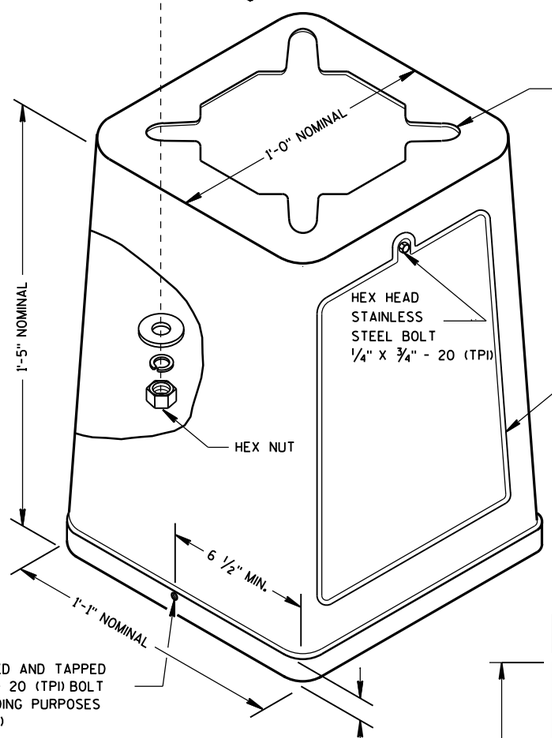


BOTTOM VIEW
(PEDESTAL BASE)

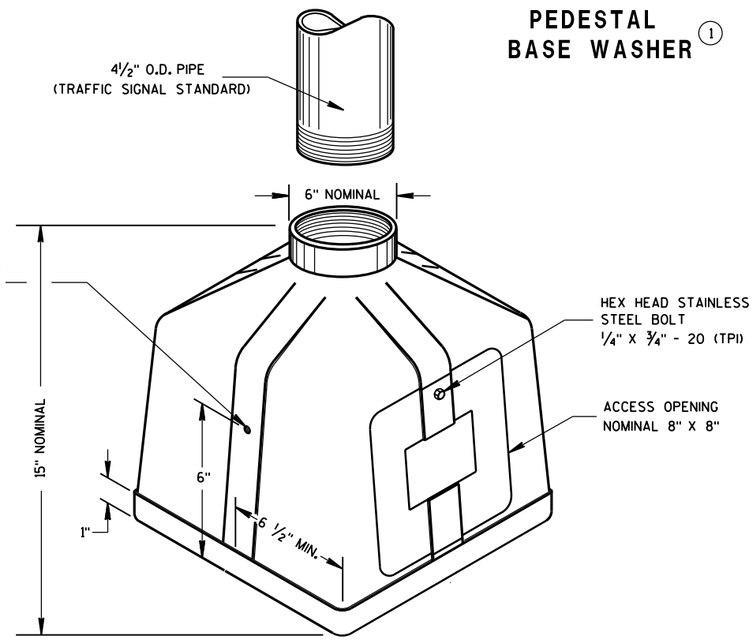


ZINC COATED STEEL WASHER
TO BE PROVIDED BY THE CONTRACTOR

PEDESTAL BASE WASHER (1)

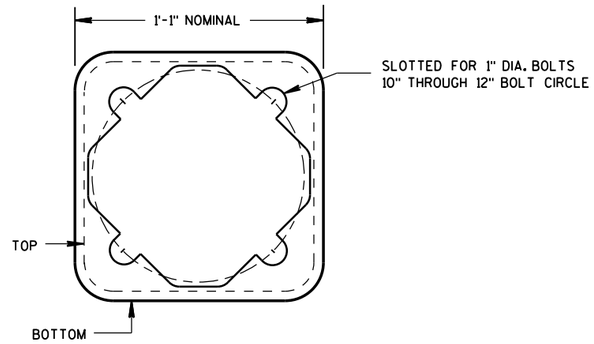


ISOMETRIC VIEW

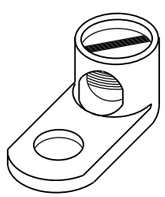


ISOMETRIC VIEW

PEDESTAL BASE



BOTTOM VIEW
(TRANSFORMER BASE)

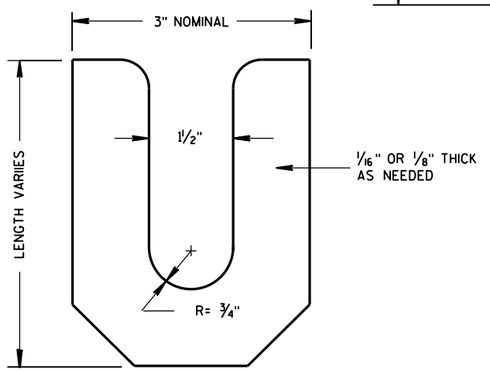


TYPICAL MECHANICAL CONNECTOR LUG

TO BE FURNISHED WITH EACH BASE

TRANSFORMER BASE

INTENDED FOR USE WITH TYPE 2, 3, 4, 5 & 6 POLES



LEVELING SHIM

TRANSFORMER/PEDESTAL BASES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept. 2014 — DATE
/S/ Ahmet Demirbilek — STATE ELECTRICAL
FHWA

6

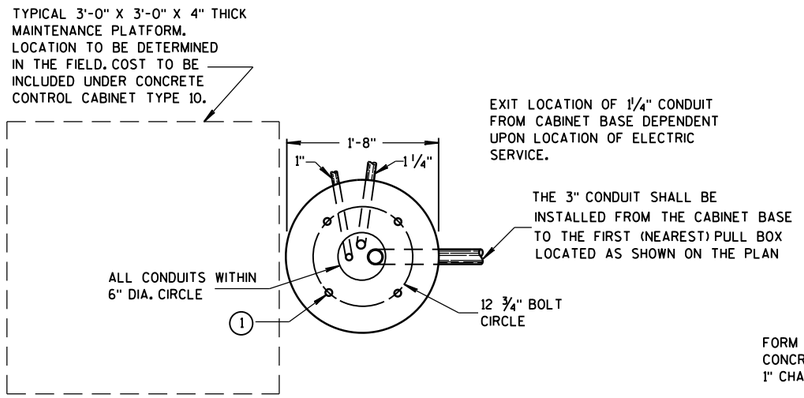
S.D.D. 9 C 3-4

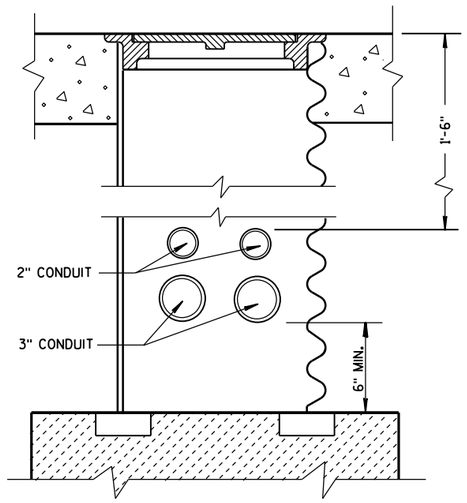
6

S.D.D. 9 C 3-4

CONTROL CABINET BASE TYPE	DIMENSIONS				C.Y. CONCRETE (APPROX.)
	H	I	J	K	
TYPE 6 - 30" CABINET	34"	60"	10"	17"	.64
TYPE 7 - 38" CABINET	42"	60"	10"	21"	.93
TYPE 8 - 38" CABINET	42"	72"	12"	21"	1.29
TYPE 9 - VARIABLE	54"	72"	14"	27"	1.56
TYPE 10 - POST MOUNT	AS SHOWN				.65 *

* INCLUDES MAINTENANCE PLATFORM.





CONDUIT LOCATIONS IN 24" X 36" PULL BOX

(LEADING TO CONTROLLER CABINET BASE TYPE 6, 7, 8 AND 9)

GENERAL NOTES

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

INSTALL FOUR ½ INCH MINIMUM DIAMETER X 4 INCH MINIMUM LENGTH APPROVED CONCRETE MASONRY ANCHORS WITH A PULLOUT STRENGTH OF 9,000 LBS. TO ANCHOR THE CABINET TO TYPE 6, 7, 8, AND 9 BASES. THE ANCHOR STUDS SHALL BE LOCATED AS DIRECTED BY THE ENGINEER TO PROPERLY ANCHOR THE CONTROL CABINET TO THE BASE.

WHEN REQUIRED TO CONNECT NONMETALLIC CONDUIT TO METALLIC CONDUIT, ONLY ADAPTER FITTINGS, U.L. LISTED FOR ELECTRICAL USE, SHALL BE USED.

CONDUIT HEIGHT ABOVE THE CONCRETE BASE SHALL BE 1 INCH.

DEPTH OF CONDUIT INSTALLED BELOW THE TRAVELED WAY SHALL BE 24 INCHES MINIMUM AND 36 INCHES MAXIMUM.

DEPTH OF CONDUIT INSTALLED THAT IS NOT BELOW THE TRAVELED WAY SHALL BE 18 INCHES MINIMUM AND 36 INCHES MAXIMUM.

ANY EXCEPTION TO THE MAXIMUM DEPTH SHALL BE ONLY WITH THE WRITTEN APPROVAL OF THE ENGINEER.

CONTROL CABINET BASE TOP SURFACES SHALL BE TROWEL FINISHED SMOOTH AND LEVEL.

WHEN A TYPE 10 CONTROL CABINET BASE IS USED TO POST MOUNT A CONTROL CABINET, A 36" SQUARE 4" THICK CONCRETE MAINTENANCE PLATFORM SHALL BE REQUIRED ON THE DOOR SIDE OF THE CABINET. THE TOP 1 INCH SHALL BE ABOVE FINISHED GRADE AND BE BROOM FINISHED AND LEVEL.

MAINTENANCE PLATFORMS ARE NOT REQUIRED WHEN THE SURROUNDING AREA IS PAVED.

MINIMUM BENDING RADIUS OF CONDUIT = 6 X THE DIAMETER.

ALL METALLIC CONDUIT ENDS SHALL BE REAMED AND THREADED.

ALL CONDUIT ENDS AT THE TOP OF CONCRETE BASES SHALL BE CAPPED IF METALLIC OR PLUGGED IF NONMETALLIC IMMEDIATELY AFTER PLACEMENT AND BEFORE CONCRETE IS POURED. CONDUITS IN WHICH WIRE OR CABLE IS NOT BEING INSTALLED SHALL REMAIN CAPPED OR PLUGGED.

ALL FOUR (TWO INCH AND THREE INCH) CONDUIT SHALL BE INSTALLED FROM THE CABINET BASE TO THE FIRST (NEAREST PULL BOX LOCATED AS SHOWN ON THE PLANS.

BELL ENDS SHALL BE INSTALLED ON ALL PVC CONDUIT EXPOSED AT THE TOP OF THE CONCRETE BASE BEFORE INSTALLATION OF CABLE OR WIRE.

CONCRETE FORM DEPTH BELOW FINISHED GRADE SHALL BE 6" MAXIMUM. CONCRETE FORMS SHALL BE REMOVED AFTER CONCRETE HAS SET.

WHEN ANCHOR RODS USING THE ALTERNATE L BEND ARE FURNISHED FOR THE TYPE 10 BASE, THE 4" L BEND SHALL BE IN ADDITION TO THE SPECIFIED ANCHOR ROD BAR LENGTH.

THE "L" BEND SHALL NOT BE THREADED.

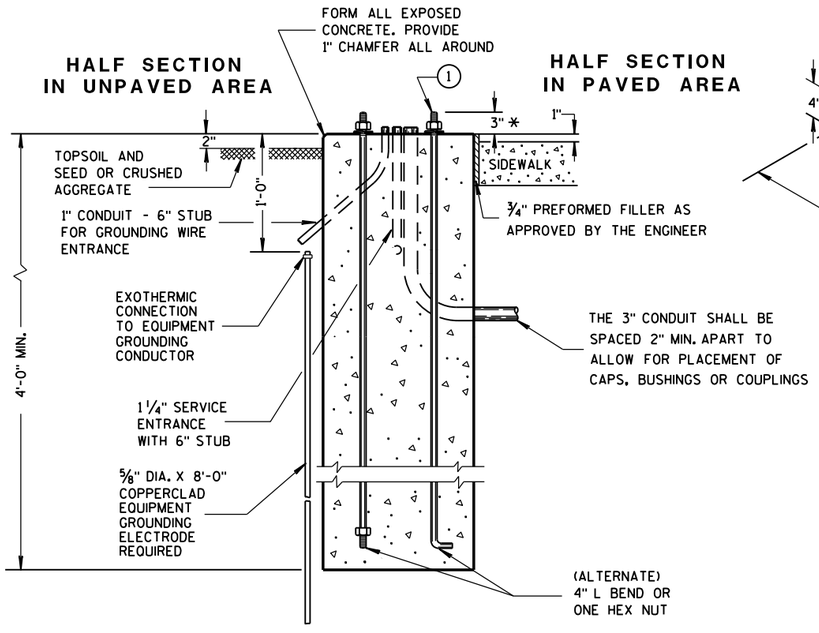
STRAIGHT ANCHOR RODS SHALL BE THREADED 12" IN LENGTH ON EACH END OF THE ROD.

ANCHOR RODS SHALL BE INSTALLED WITH MISALIGNMENTS OF LESS THAN 1:40 FROM VERTICAL.

(1) FOUR (4) ANCHOR RODS, 1" DIA. X 3'-6". ANCHOR RODS SHALL BE MANUFACTURED IN ACCORDANCE WITH SECTION 654.2.1 OF THE STANDARD SPECIFICATIONS.

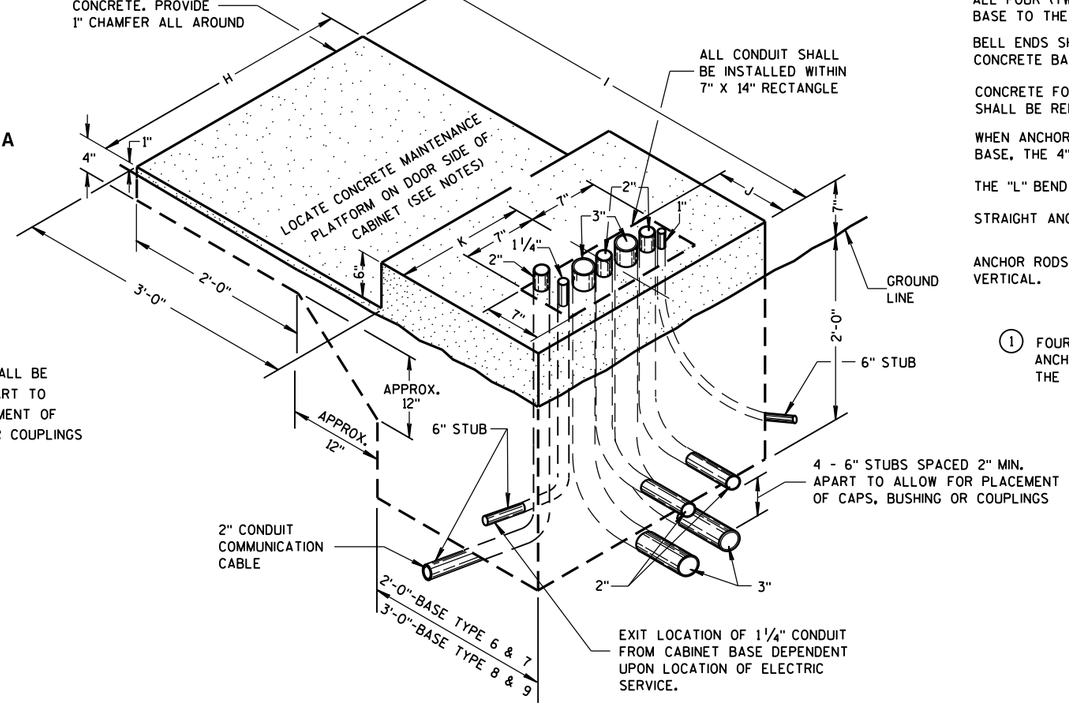
HALF SECTION IN UNPAVED AREA

HALF SECTION IN PAVED AREA



TYPE 10

* ANY ANCHOR ROD PROJECTION SHORTER THAN 2¾" OR LONGER THAN 3¼" SHALL REQUIRE THE BASE TO BE REMOVED AND REPLACED AT THE CONTRACTORS EXPENSE.

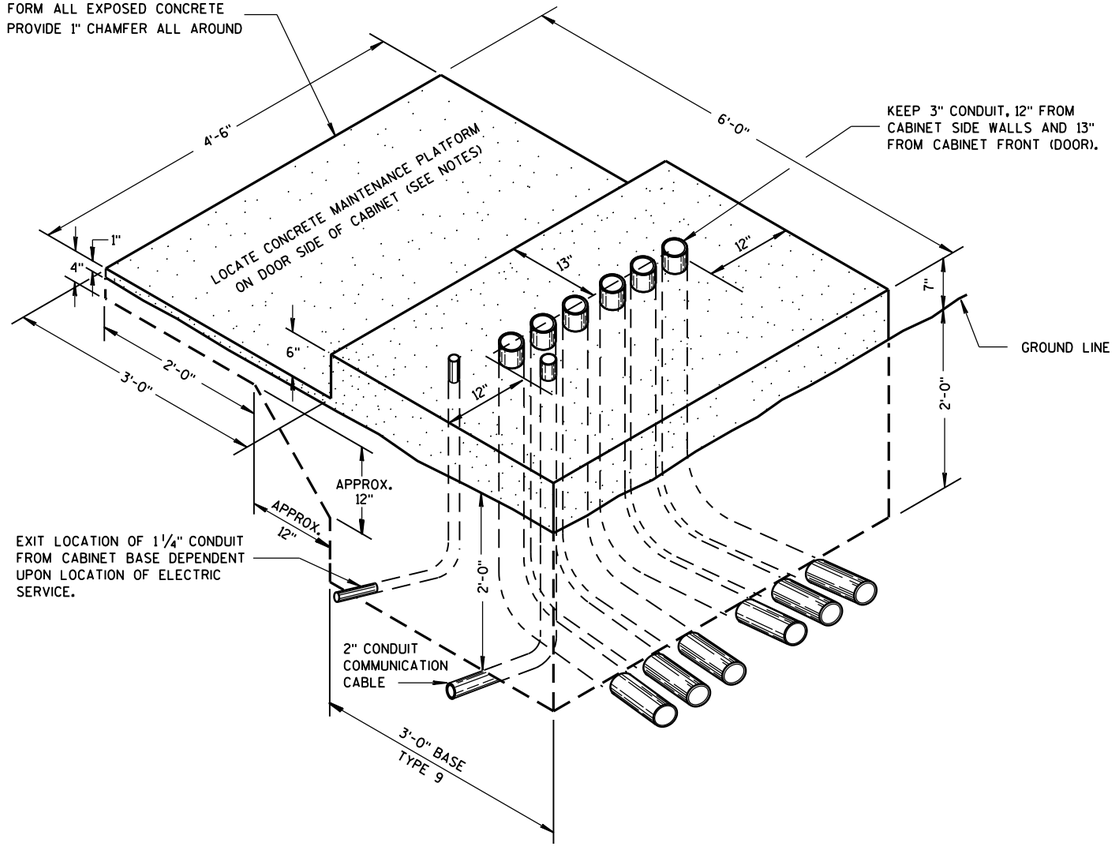


TYPE 6,7,8 AND 9
(ISOMETRIC VIEW)

CONCRETE CONTROL CABINET BASES

CONCRETE CONTROL CABINET BASES	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED	
Sept. 2016 (DATE)	/S/ Ahmet Demirbilek (STATE ELECTRICAL)
FHWA	

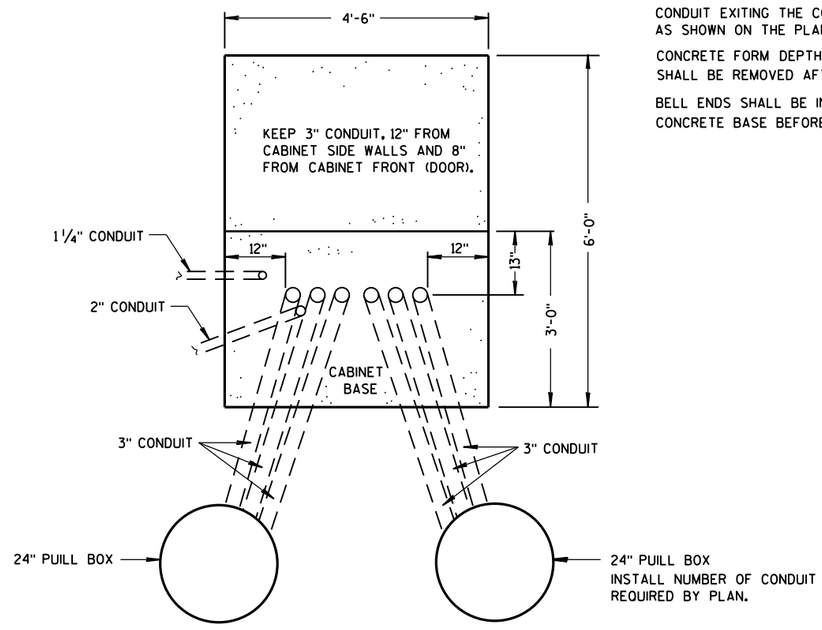
S.D.D. 9 C 5-10



ISOMETRIC VIEW

TYPE 9, SPECIAL

(C.Y. CONCRETE = APPROX. 1.56)



PLAN VIEW

CONCRETE CONTROL CABINET BASE, TYPE 9, SPECIAL

GENERAL NOTES

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

INSTALL FOUR ½ INCH MINIMUM DIAMETER X 4 INCH MINIMUM LENGTH STAINLESS STEEL APPROVED CONCRETE MASONRY ANCHORS WITH A PULLOUT STRENGTH OF 9,000 LBS. TO ANCHOR THE CABINET TO TYPE 6, 7, 8, AND 9 BASES. THE ANCHOR STUDS SHALL BE LOCATED AS DIRECTED BY THE ENGINEER TO PROPERLY ANCHOR THE CONTROL CABINET TO THE BASE.

WHEN REQUIRED TO CONNECT NONMETALLIC CONDUIT TO METALLIC CONDUIT, ONLY ADAPTER FITTINGS, U.L. LISTED FOR ELECTRICAL USE, SHALL BE USED.

CONDUIT HEIGHT ABOVE THE CONCRETE BASE SHALL BE 1 INCH.

DEPTH OF CONDUIT INSTALLED BELOW THE TRAVELED WAY SHALL BE 24 INCHES MINIMUM AND 36 INCHES MAXIMUM.

DEPTH OF CONDUIT INSTALLED THAT IS NOT BELOW THE TRAVELED WAY SHALL BE 18 INCHES MINIMUM AND 36 INCHES MAXIMUM.

ANY EXCEPTION TO THE MAXIMUM DEPTH SHALL BE ONLY WITH THE WRITTEN APPROVAL OF THE ENGINEER.

CONTROL CABINET BASE TOP SURFACE SHALL BE TROWEL FINISHED SMOOTH AND LEVEL.

MAINTENANCE PLATFORM SHALL BE FLOAT OR BROOM FINISHED AND BE LEVEL.

MAINTENANCE PLATFORMS ARE NOT REQUIRED WHEN THE SURROUNDING AREA IS PAVED.

MINIMUM BENDING RADIUS OF CONDUIT = 6 X THE DIAMETER.

ALL METALLIC CONDUIT ENDS SHALL BE REAMED AND THREADED.

CAP ALL BELOW GRADE METALLIC CONDUIT ENDS IN WHICH WIRE OR CABLE IS NOT BEING INSTALLED.

PLUG ALL BELOW GRADE NONMETALLIC CONDUIT ENDS IN WHICH WIRE OR CABLE IS NOT BEING INSTALLED.

ALL CONDUIT ENDS AT THE TOP OF CONCRETE BASES SHALL BE CAPPED IF METALLIC OR PLUGGED IF NONMETALLIC IMMEDIATELY AFTER PLACEMENT AND BEFORE CONCRETE IS POURED. CONDUITS IN WHICH WIRE OR CABLE IS NOT BEING INSTALLED SHALL REMAIN CAPPED OR PLUGGED.

CONDUIT EXITING THE CONCRETE BASE (SIX THREE INCH) SHALL TERMINATE IN PULL BOXES AS SHOWN ON THE PLANS.

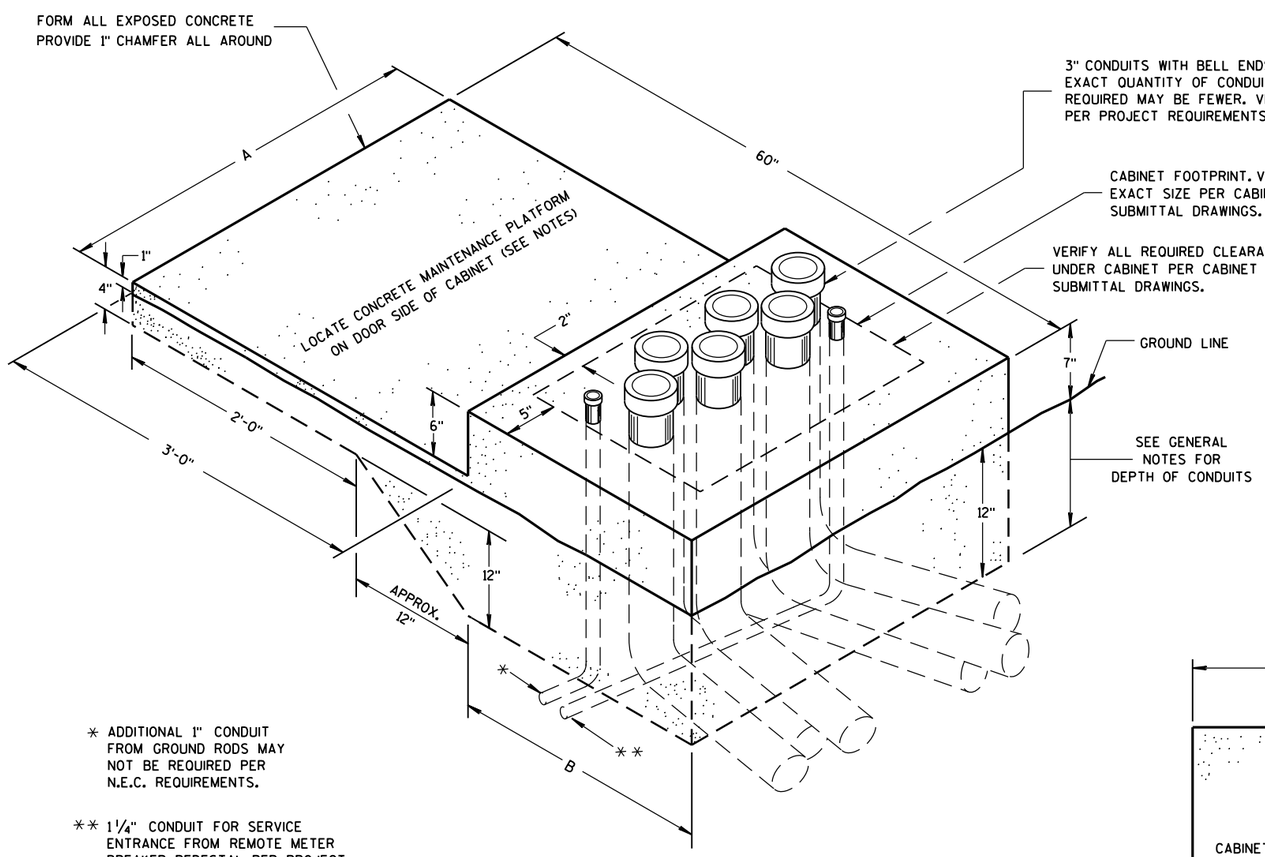
CONCRETE FORM DEPTH BELOW FINISHED GRADE SHALL BE 6" MAXIMUM. CONCRETE FORMS SHALL BE REMOVED AFTER CONCRETE HAS SET.

BELL ENDS SHALL BE INSTALLED ON ALL PVC CONDUIT EXPOSED AT THE TOP OF THE CONCRETE BASE BEFORE INSTALLATION OF CABLE OR WIRE.

CONCRETE CONTROL CABINET BASE, TYPE 9, SPECIAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept. 2014 — DATE
/S/ Ahmet Demirbilek — STATE ELECTRICAL 420
FHWA



* ADDITIONAL 1" CONDUIT FROM GROUND RODS MAY NOT BE REQUIRED PER N.E.C. REQUIREMENTS.

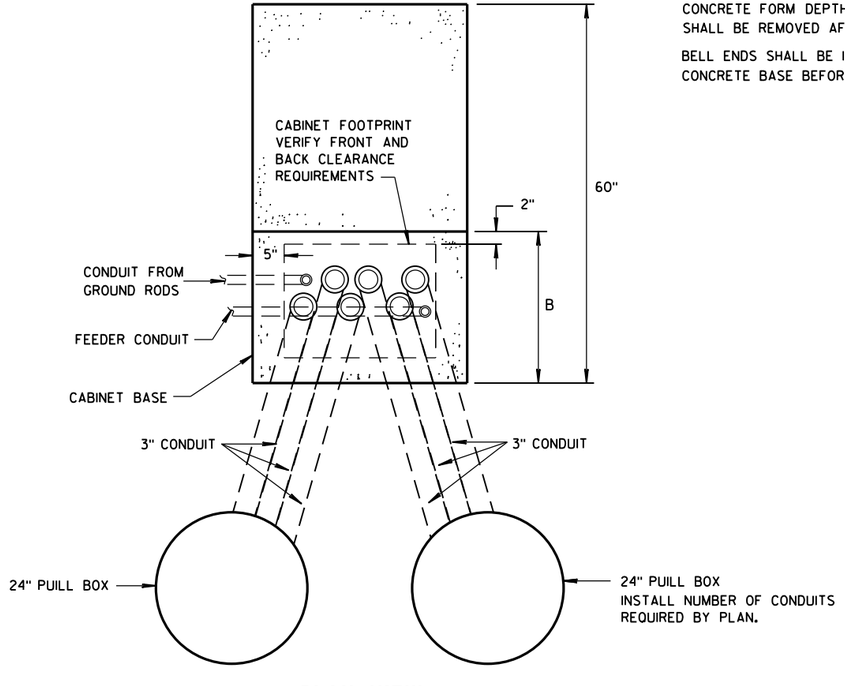
** 1¼" CONDUIT FOR SERVICE ENTRANCE FROM REMOTE METER BREAKER PEDESTAL PER PROJECT REQUIREMENTS. VERIFY LOCATION OF CONDUIT DEPENDENT UPON LOCATION OF INCOMING FEEDER AND FOR EASE OF CONNECTION TO LOAD CENTER.

ISOMETRIC VIEW

CONCRETE CONTROL CABINET BASE, TYPE L

(C.Y. CONCRETE = APPROX. 0.4)

CONCRETE BASE TYPE	CABINET WIDTH	DIMENSIONS		MAXIMUM 3" CONDUITS
		A	B	
L24	24"	34"	24"	4
L30	30"	40"	24"	6



PLAN VIEW

CONCRETE CONTROL CABINET BASE, TYPE L

GENERAL NOTES

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

INSTALL FOUR STAINLESS STEEL APPROVED CONCRETE MASONRY ANCHORS TO ANCHOR THE CABINET BASES. THE ANCHORS SHALL BE LOCATED AS DIRECTED BY THE ENGINEER TO PROPERLY ANCHOR THE CONTROL CABINET TO THE BASE.

WHEN REQUIRED TO CONNECT NONMETALLIC CONDUIT TO METALLIC CONDUIT, ONLY ADAPTER FITTINGS, U.L. LISTED FOR ELECTRICAL USE, SHALL BE USED.

CONDUIT HEIGHT ABOVE THE CONCRETE BASE SHALL BE 1 INCH.

DEPTH OF CONDUIT INSTALLED BELOW THE TRAVELED WAY SHALL BE 24 INCHES MINIMUM AND 36 INCHES MAXIMUM.

DEPTH OF CONDUIT INSTALLED THAT IS NOT BELOW THE TRAVELED WAY SHALL BE 18 INCHES MINIMUM AND 36 INCHES MAXIMUM.

ANY EXCEPTION TO THE MAXIMUM DEPTH SHALL BE ONLY WITH THE WRITTEN APPROVAL OF THE ENGINEER.

CONTROL CABINET BASE TOP SURFACE SHALL BE TROWEL FINISHED SMOOTH AND LEVEL.

MAINTENANCE PLATFORM SHALL BE FLOAT OR BROOM FINISHED AND BE LEVEL.

MAINTENANCE PLATFORMS ARE NOT REQUIRED WHEN THE SURROUNDING AREA IS PAVED.

MINIMUM BENDING RADIUS OF CONDUIT = 6 X THE DIAMETER.

ALL METALLIC CONDUIT ENDS SHALL BE REAMED AND THREADED.

CAP ALL BELOW GRADE METALLIC CONDUIT ENDS IN WHICH WIRE OR CABLE IS NOT BEING INSTALLED.

PLUG ALL BELOW GRADE NONMETALLIC CONDUIT ENDS IN WHICH WIRE OR CABLE IS NOT BEING INSTALLED.

ALL CONDUIT ENDS AT THE TOP OF CONCRETE BASES SHALL BE CAPPED IF METALLIC OR PLUGGED IF NONMETALLIC IMMEDIATELY AFTER PLACEMENT AND BEFORE CONCRETE IS POURED. CONDUITS IN WHICH WIRE OR CABLE IS NOT BEING INSTALLED SHALL REMAIN CAPPED OR PLUGGED.

CONDUIT EXITING THE CONCRETE BASE SHALL TERMINATE IN PULL BOXES AS SHOWN ON THE PLANS.

CONCRETE FORM DEPTH BELOW FINISHED GRADE SHALL BE 6" MAXIMUM. CONCRETE FORMS SHALL BE REMOVED AFTER CONCRETE HAS SET.

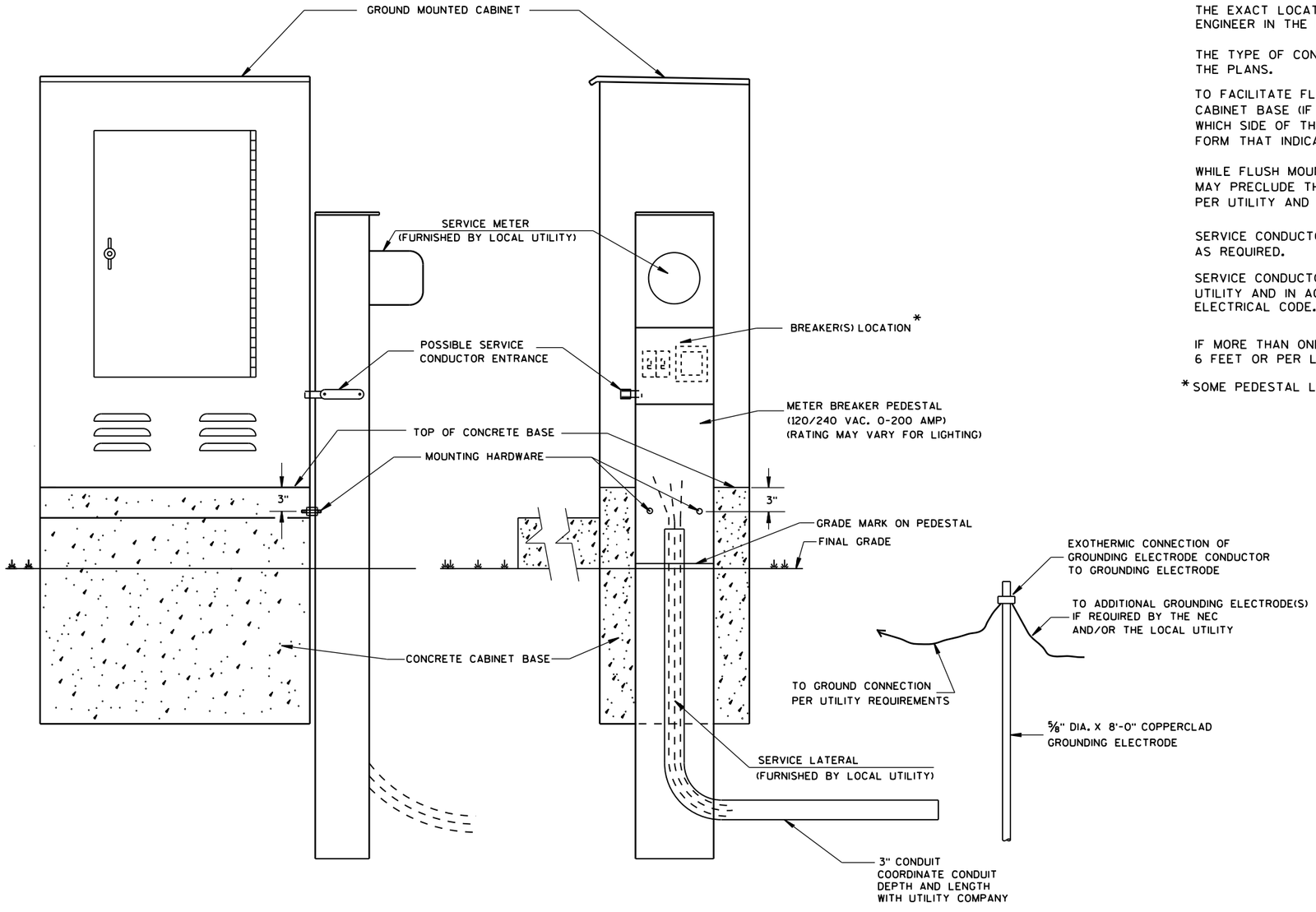
BELL ENDS SHALL BE INSTALLED ON ALL PVC CONDUIT EXPOSED AT THE TOP OF THE CONCRETE BASE BEFORE INSTALLATION OF CABLE OR WIRE.

CONCRETE CONTROL CABINET BASE, TYPE L

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Nov. 2014 — DATE
/S/ Thomas Gonring — STATE LIGHTING ENGINE — WYS
FHWA

6
S.D.D. 9 C 14-2



TYPICAL CABINET SERVICE INSTALLATION

GENERAL NOTES

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

THE EXACT LOCATION OF THE METER BREAKER PEDESTAL SHALL BE DETERMINED BY THE ENGINEER IN THE FIELD.

THE TYPE OF CONCRETE CABINET BASE TO BE INSTALLED SHALL BE AS CALLED FOR IN THE PLANS.

TO FACILITATE FLUSH MOUNTING OF THE METER BREAKER PEDESTAL AGAINST THE SIDE OF THE CABINET BASE (IF FLUSH MOUNTING POSSIBLE. CONFER WITH THE LOCAL UTILITY TO DETERMINE WHICH SIDE OF THE CONCRETE BASE THE ELECTRICAL SERVICE LATERAL WILL APPROACH. THEN FORM THAT INDICATED SIDE FOR FULL SIDE DEPTH.

WHILE FLUSH MOUNTING IS THE MOST DESIRABLE MOUNTING CONFIGURATION UTILITY REQUIREMENTS MAY PRECLUDE THIS OPTION. CONTRACTOR MUST PROVIDE UTILITY APPROVED PEDESTAL AND INSTALL PER UTILITY AND MANUFACTURERS REQUIREMENTS.

SERVICE CONDUCTOR ENTRANCES SHALL BE RIGID METALLIC CONDUIT, NIPPLES AND/OR CONDULETS AS REQUIRED.

SERVICE CONDUCTOR ENTRANCES SHALL BE SIZED AND LOCATED AS REQUIRED BY THE LOCAL UTILITY AND IN ACCORDANCE WITH APPROPRIATE ARTICLES OF THE LATEST ACCEPTED NATIONAL ELECTRICAL CODE.

IF MORE THAN ONE GROUNDING ELECTRODE IS REQUIRED, THE DISTANCE APART SHALL BE 6 FEET OR PER LOCAL UTILITY REGULATIONS.

* SOME PEDESTAL LIGHTING PLANS SHOW MAIN LUGS ONLY.

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S.D.D. 9 D 1-5

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S.D.D. 9 D 1-5

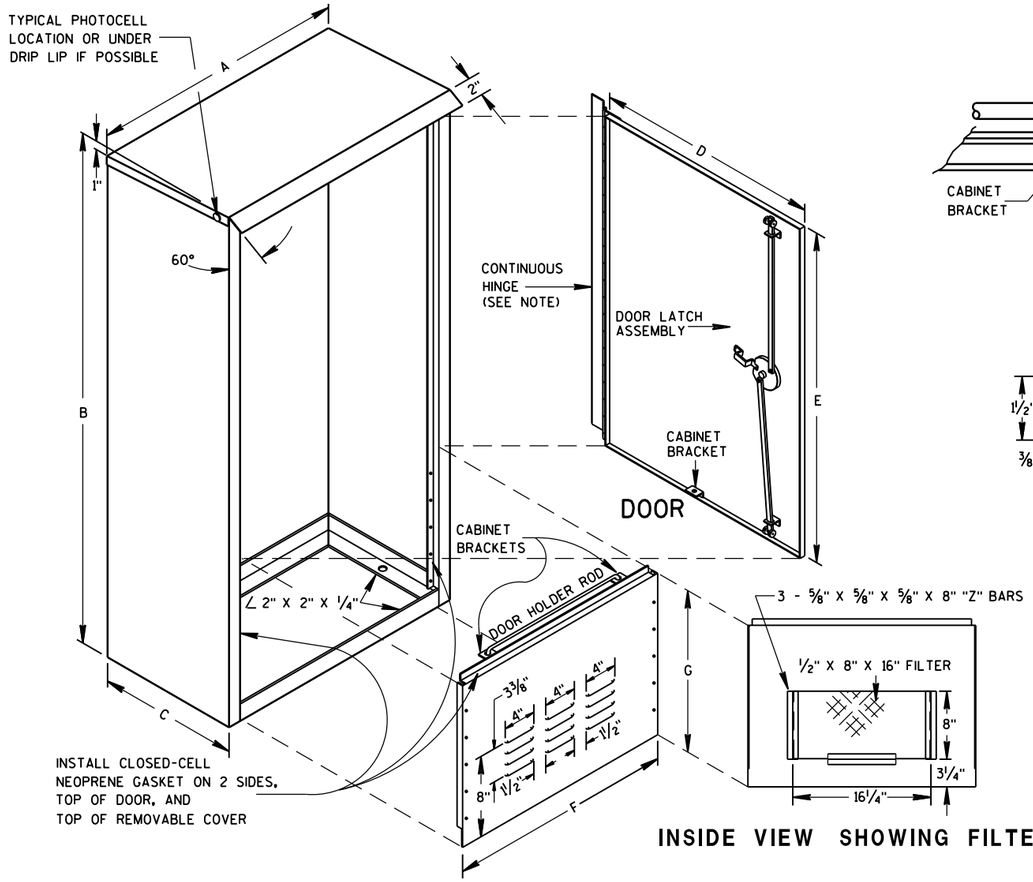
CABINET SERVICE INSTALLATION (METER BREAKER PEDESTAL)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept. 2014
DATE

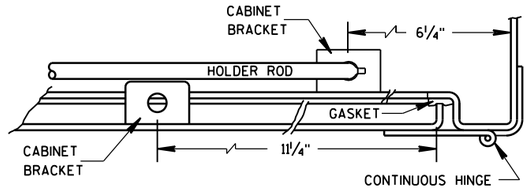
/S/ Ahmet Demirbilek
STATE ELECTRICAL

FHWA

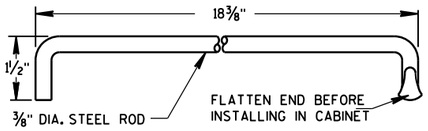


REMOVABLE COVER

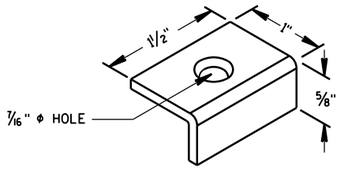
INSIDE VIEW SHOWING FILTER



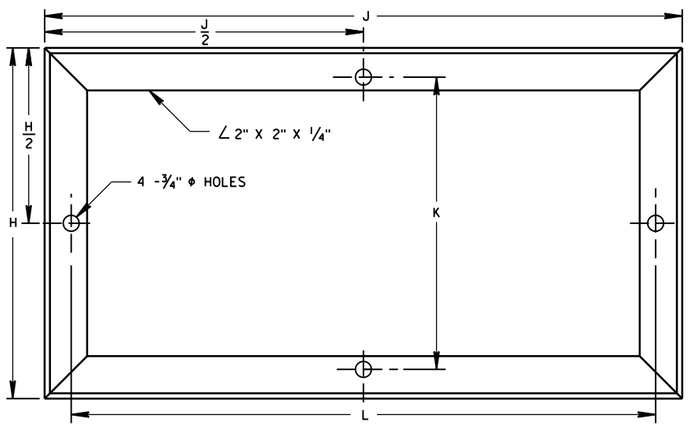
HINGE & DOOR HOLDER



HOLDER ROD



CABINET BRACKET



MOUNTING BASE

TABLE OF DIMENSIONS (INCHES)

MARK	CABINET TYPE		
	3060	3860	3866
A	30	38	38
B	60	60	66
C	16 1/2	16 1/2	24
D	26 1/2	34 3/4	33 3/4
E	38 3/4	38 3/4	38 3/4
F	26 1/2	34 3/4	33 3/4
G	19	19	25
H	16 1/2	16 1/2	24
H/2	8 1/4	8 1/4	12
J	30	38	38
J/2	15	19	19
K	13 3/4	13 3/4	21 1/4
L	27 1/2	35 1/2	35 1/2

GENERAL NOTES

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

PRIME WITH PHOSPHATE TREATMENT AND PRIMER.

FINISH EXTERIOR SURFACES WITH RUSTOLEUM #906 SILVER GRAY OR APPROVED EQUAL.

FINISH INTERIOR WITH RUSTOLEUM #2766 HIGH GLOSS WHITE ENAMEL OR APPROVED EQUAL.

ALL SHEET METAL PARTS SHALL BE .125 INCH THICK ALUMINUM.

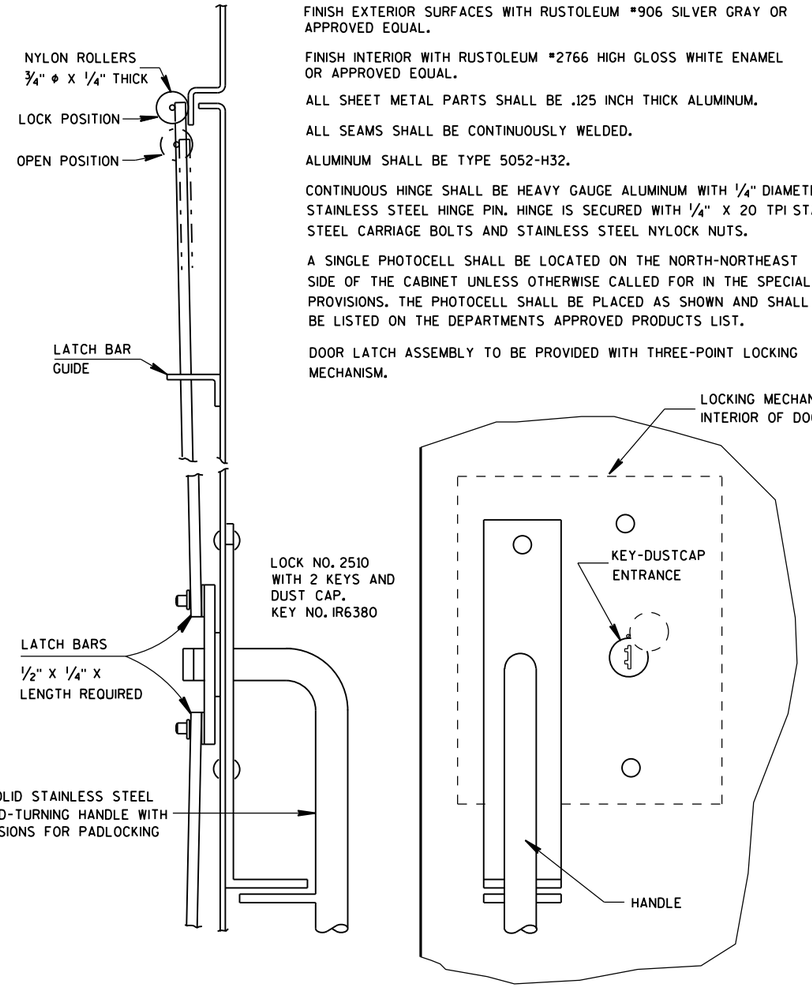
ALL SEAMS SHALL BE CONTINUOUSLY WELDED.

ALUMINUM SHALL BE TYPE 5052-H32.

CONTINUOUS HINGE SHALL BE HEAVY GAUGE ALUMINUM WITH 1/4" DIAMETER STAINLESS STEEL HINGE PIN. HINGE IS SECURED WITH 1/4" X 20 TPI STAINLESS STEEL CARRIAGE BOLTS AND STAINLESS STEEL NYLOCK NUTS.

A SINGLE PHOTOCELL SHALL BE LOCATED ON THE NORTH-NORTHEAST SIDE OF THE CABINET UNLESS OTHERWISE CALLED FOR IN THE SPECIAL PROVISIONS. THE PHOTOCELL SHALL BE PLACED AS SHOWN AND SHALL BE LISTED ON THE DEPARTMENTS APPROVED PRODUCTS LIST.

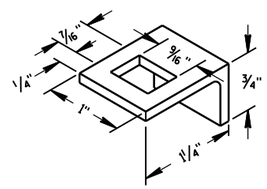
DOOR LATCH ASSEMBLY TO BE PROVIDED WITH THREE-POINT LOCKING MECHANISM.



SIDE VIEW

FRONT VIEW

LATCH ASSEMBLY



LATCH BAR GUIDE

SIGNAL CONTROL CABINET

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept. 2014
DATE
/S/ Ahmet Demirbilek
STATE ELECTRICAL 423
FHWA

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S.D.D. 9 D 2-3

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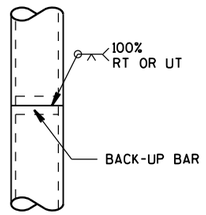
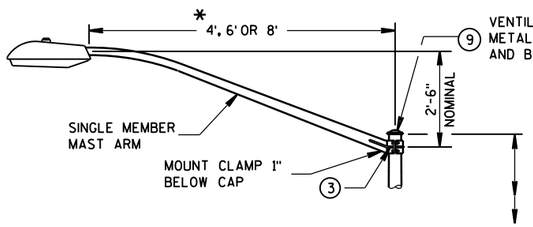
S.D.D. 9 D 2-3

FOR MANUFACTURERS USE ONLY

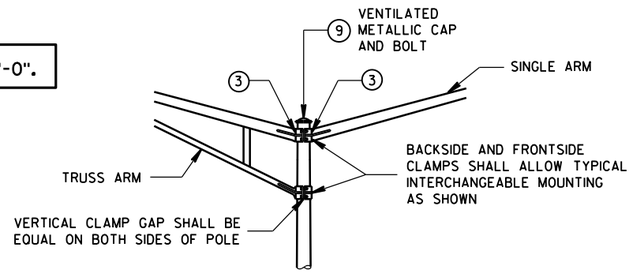
WELD TO BE 100% R.T. OR U.T. TESTED AS PER THE REQUIREMENTS OF AWS D 1.5-88. RECORDS OF COMPLIANCE OF SUCH TESTING SHALL BE FURNISHED TO THE OFFICE OF DESIGN/BRIDGE FOR VERIFICATION AND APPROVAL.

*RISE FOR 4' ARM SHALL BE 2'-0".





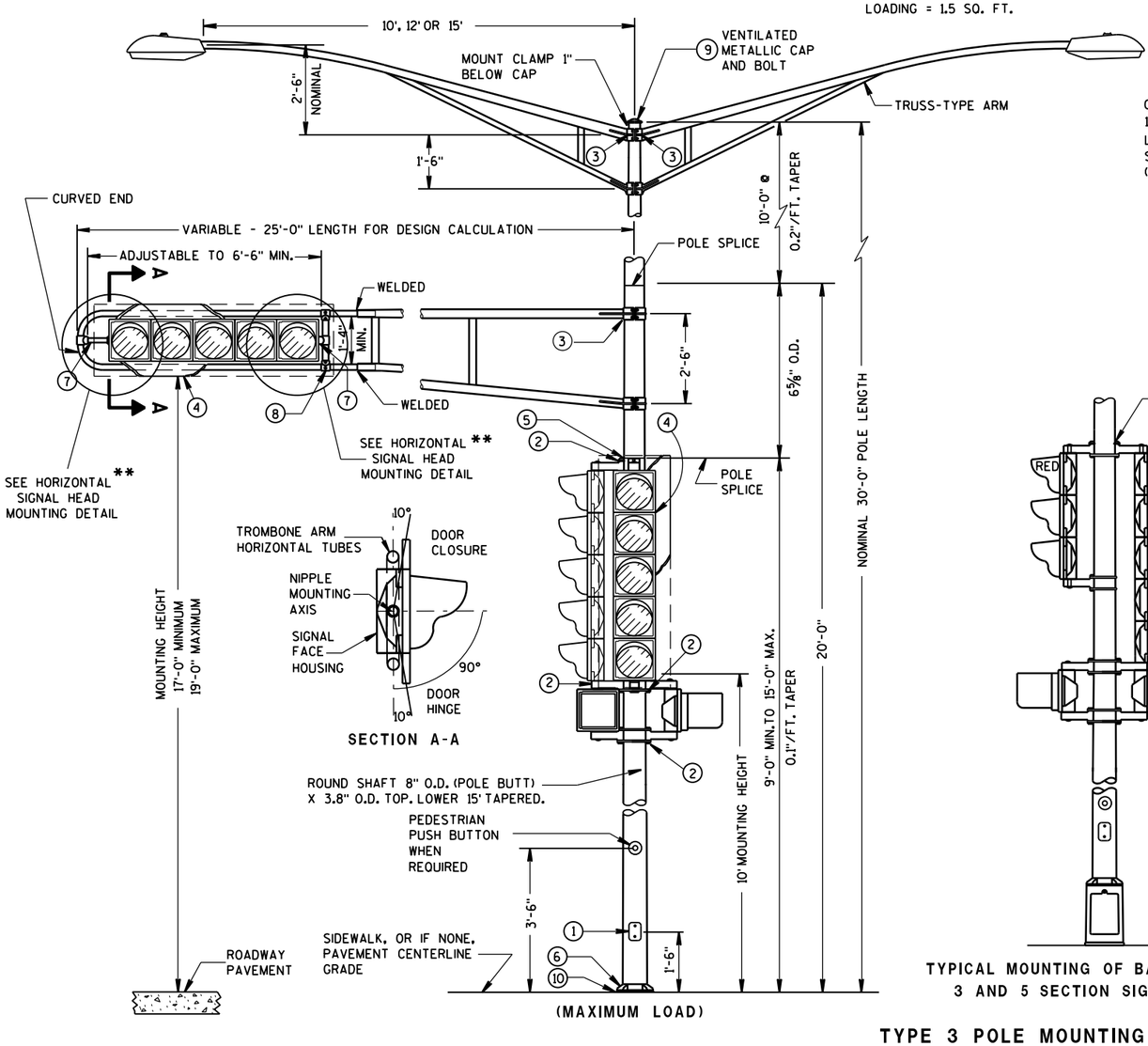
POLE SPLICE DETAIL

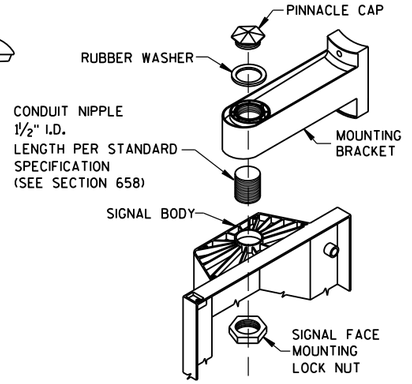


INTERCHANGEABLE MOUNTING DETAIL

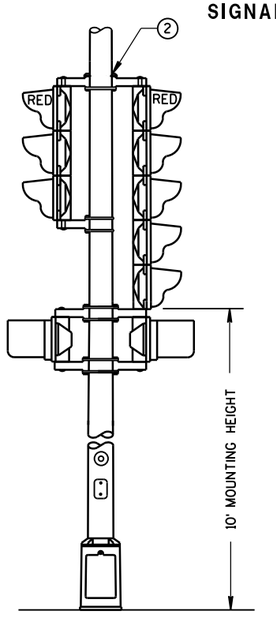
LUMINAIRE

WT. - 50 LBS.
EFFECTIVE PROJECTED
AREA FOR WIND
LOADING = 1.5 SQ. FT.

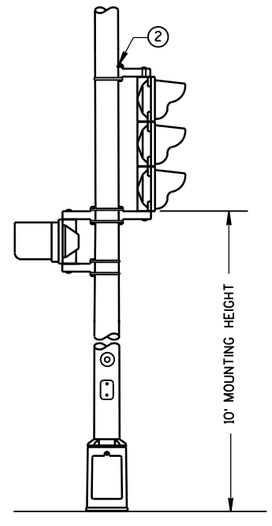




SIGNAL FACE MOUNTING DETAIL
(BANDED)



TYPICAL MOUNTING OF BACK TO BACK
3 AND 5 SECTION SIGNAL FACES



TYPICAL MOUNTING OF 3 SECTION
SIGNAL FACE

GENERAL NOTES

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

ALL TYPE 3 POLE MOUNTINGS SHALL BE DESIGNED TO INCLUDE TWIN 15' ARMS WITH LUMINAIRES.

POLES SHALL BE GALVANIZED STEEL.

SECTION 657, POLES, OF THE STANDARD SPECIFICATIONS SHALL APPLY TO THIS DRAWING.

A PULL WIRE/ROPE IN ACCORDANCE WITH STANDARD SPECIFICATION 652, SHALL BE INSTALLED IN EACH TROMBONE ARM RACEWAY DURING THE MANUFACTURING PROCESS.

THE SLIPFITTER END OF THE LUMINAIRE MAST ARM SHALL BE A NOMINAL 2⅜ INCHES IN OUTSIDE DIAMETER. THE STRAIGHT PORTION OF THE SLIPFITTER END OF THE LUMINAIRE MAST ARM SHALL BE A NOMINAL 12 INCHES IN LENGTH.

WHEN TRANSFORMER BASES ARE USED, WIRE CONNECTIONS SHALL BE MADE IN THE TRANSFORMER BASE.

(1) 4" X 6" REINFORCED HANDHOLE & COVER ASSEMBLY WITH 2 (TWO) ¼" X ¾" - 20 TPI HEX HEAD STAINLESS STEEL BOLTS.

(2) SIGNAL FACE MOUNTING BRACKETS, MOUNT WITH CAP SCREWS AND BANDING. (SEE STANDARD SPECIFICATIONS - SEC. 658)

(3) GROMMETS, 1" CHASE NIPPLES OR 1" CLOSE CONDUIT NIPPLES WITH BUSHINGS SHALL BE PROVIDED FOR 1⅜" HOLE IN POLE SHAFT FOR WIRING.

(4) SECURELY MOUNT DULL BLACK POLYCARBONATE BACKPLATES, PROJECTING 5" BEYOND ALL SIDES OF THE SIGNAL FACE HOUSING, PER MANUFACTURER'S RECOMMENDATIONS.

(5) POLE MOUNTED SIGNAL FACES SHALL REQUIRE 1 OR MORE MOUNTING SPACERS UNDER THE TOP MOUNTING BRACKET(S) AS REQUIRED, TO PLUMB THE SIGNAL FACE.

(6) TYPE 3 POLE CONFIGURATIONS SHALL BE MOUNTED DIRECTLY TO THEIR CONCRETE BASES.

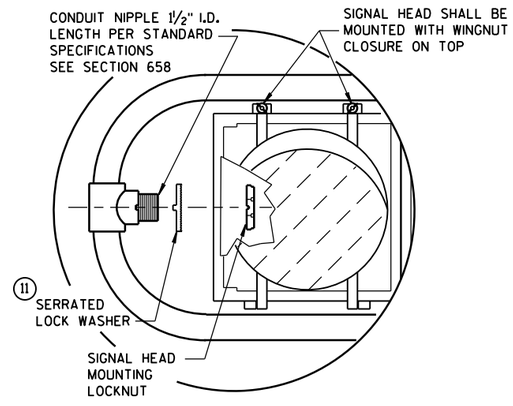
(7) MOUNTING BRACKET NIPPLES FOR THE SIGNAL FACE(S) SHALL BE 2 INCHES IN LENGTH AND 1½ INCHES IN DIAMETER. (SEE STANDARD SPECIFICATION - SECTION 658)

(8) VERTICAL STRUT (ADJUSTABLE). ONE (1) SET SCREW (1/4 " X ¾" -20 TPI, STAINLESS STEEL, HEX HEAD) INTO EACH ARM MEMBER IF STRUT IS THE SLIDING TYPE.

(9) FURNISH AND INSTALL VENTILATED, CAST, METALLIC (ALUMINUM ALLOY) CAPS. FASTEN CAPS WITH ONE (1) ¼" X ¾" - 20 TPI STAINLESS STEEL, HEX HEAD BOLT.

(10) SHIMMING, IF NEEDED, SHALL BE LOCATED BETWEEN THE CONCRETE FOUNDATION AND POLE.

(11) USE SERRATED LOCK WASHERS WITH NOTCHES BETWEEN END TEE AND SIGNAL HEAD.



HORIZONTAL SIGNAL HEAD MOUNTING DETAIL**

** SIGNAL HEAD ATTACHMENT ALSO APPLYS TO MOUNTING AT CROSS BAR

TYPE 3 POLE MOUNTING CONFIGURATION

POLE MOUNTINGS FOR TRAFFIC SIGNALS AND LIGHTING UNITS, TYPE 3 (HEAVY DUTY)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

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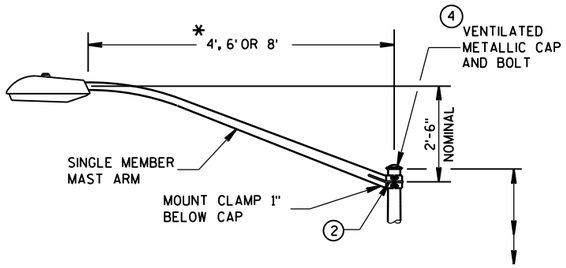
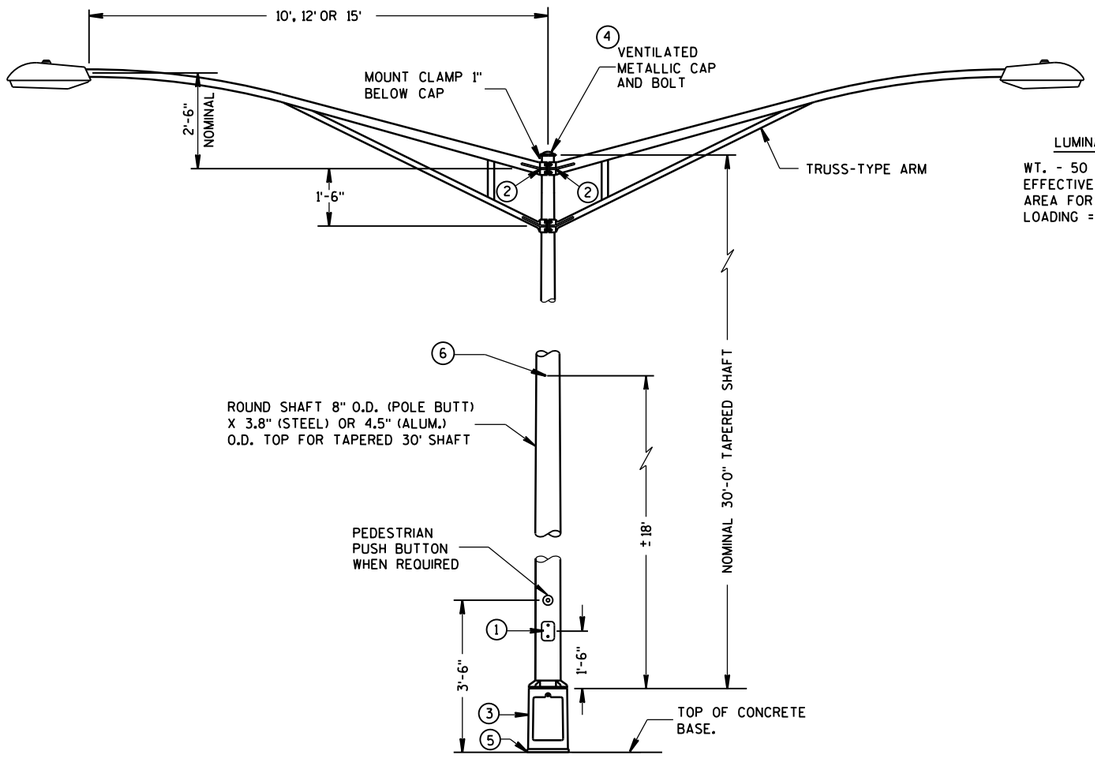
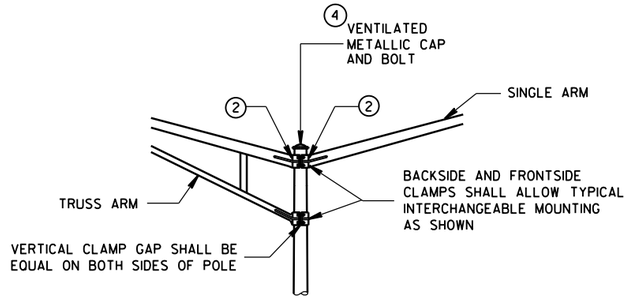
S.D.D. 9 E 1-14b

*RISE FOR 4' ARM SHALL BE 2'-0".





TYPE 5 POLE MOUNTING CONFIGURATION
(MAXIMUM LOAD)
LIGHTING ONLY



INTERCHANGEABLE MOUNTING DETAIL

LUMINAIRE

WT. - 50 LBS.
EFFECTIVE PROJECTED
AREA FOR WIND
LOADING = 1.5 SQ. FT.

GENERAL NOTES

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

ALL TYPE 5 POLE MOUNTINGS SHALL BE DESIGNED TO INCLUDE TWIN 15' ARMS WITH LUMINAIRES.

POLES SHALL BE GALVANIZED STEEL OR ALUMINUM, AS CALLED FOR IN THE CONTRACT.

TYPE 5 ALUMINUM POLES SHALL BE CONSTRUCTED OF 6063-T6 ALUMINUM ALLOY. SLEEVING INSIDE THE POLE IS NOT ACCEPTABLE.

THE TYPE 5 ALUMINUM POLES SHALL HAVE A MINIMUM WALL THICKNESS OF 0.188".

TYPE 5 STEEL POLES SHALL HAVE A MINIMUM WALL THICKNESS OF U.S. STANDARD 11 GAGE (.1196").

THE SLIPFITTER END OF THE LUMINAIRE MAST ARM SHALL BE A NOMINAL 2⅜ INCHES IN OUTSIDE DIAMETER. THE STRAIGHT PORTION OF THE SLIPFITTER END OF THE LUMINAIRE ARM SHALL BE A NOMINAL 12 INCHES IN LENGTH.

WHEN TRANSFORMER BASES ARE USED, WIRE CONEECTIONS SHALL BE MADE IN THE TRANSFORMER BASE.

(1) 4" x 6" REINFORCED HANDHOLE & COVER ASSEMBLY WITH 2 (TWO) ¼" X ¾" - 20 TPI HEX HEAD STAINLESS STEEL BOLTS.

(2) GROMMETS, 1" CHASE NIPPLES OR 1" CLOSE CONDUIT NIPPLES WITH BUSHINGS SHALL BE PROVIDED FOR 1⅜" HOLE IN POLE SHAFT FOR WIRING.

(3) CAST ALUMINUM TRANSFORMER BASE, WHEN REQUIRED.

(4) FURNISH AND INSTALL VENTILATED, CAST, METALLIC (ALUMINUM ALLOY) CAPS. FASTEN CAPS WITH ONE (1) ¼" X ¾" - 20 TPI STAINLESS STEEL, HEX HEAD BOLT.

(5) SHIMMING, IF NEEDED, SHALL BE LOCATED BETWEEN THE CONCRETE FOUNDATION AND THE TRANSFORMER BASE.

(6) INTERNAL DUMBBELL-TYPE VIBRATION DAMPER.

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S.D.D. 9 E 1-14d

POLE MONTINGS FOR
LIGHTING UNITS, TYPE 5
(30 FEET)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

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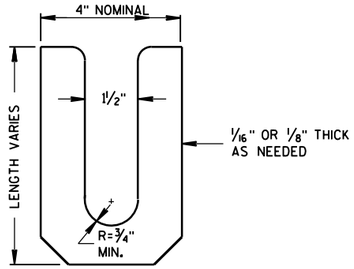
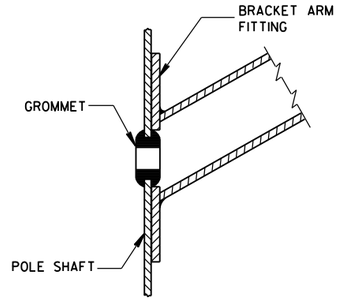
S.D.D. 9 E 1-14d

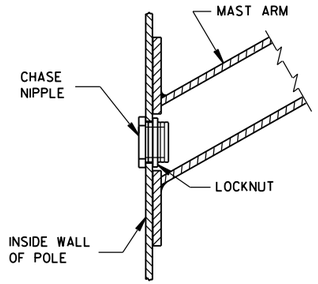


LEVELING SHIM (13)

SHALL BE ALUMINUM



TYPICAL APPLICATION OF GROMMET IN POLE SHAFT



TYPICAL APPLICATION OF CHASE NIPPLE IN POLE SHAFT

GENERAL NOTES

CLAMP BOLT-NUT TIGHTENING TORQUE SHALL BE INDICATED BY INDENT STAMPING (1/2 INCH NUMERALS AND LETTERS) OR WEATHERPROOF PRINTING ON THE INSIDE OF THE CLAMP THAT IS WELDED TO THE ARM MEMBER.

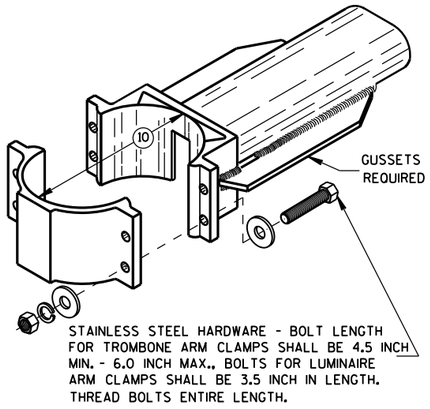
(10) 4.5" I.D. FOR LUMINAIRE MAST ARM CLAMP.
6.625" I.D. FOR TROMBONE MAST ARM CLAMP.

(11) INDIVIDUAL BASE PLATE ANCHOR ROD COVERS. (4 REQUIRED)

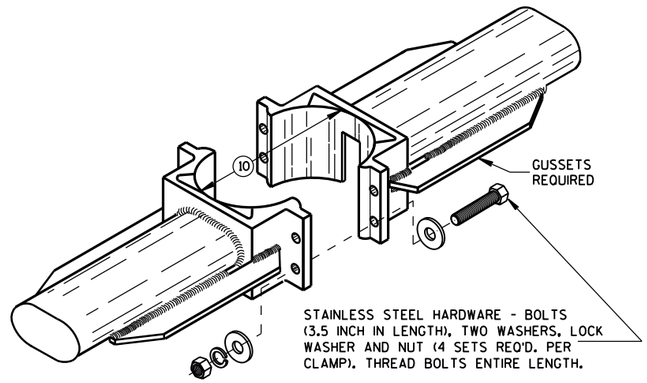
(12) BASE PLATE SLOTTED TO ACCEPT 11" THROUGH 12" BOLT CIRCLE USING 1" DIAMETER ANCHOR RODS.

(13) LEVELING SHIMS, DESIGNED FOR THE PURPOSE, SHALL BE USED WHEN PLUMBING POLES. THE USE OF WASHERS IN LIEU OF PROPER LEVELING SHIMS IS NOT ACCEPTABLE. LEVELING SHIMS SHALL BE USED ONLY BETWEEN THE TOP OF THE CONCRETE BASE AND A METALLIC BASE PLATE.

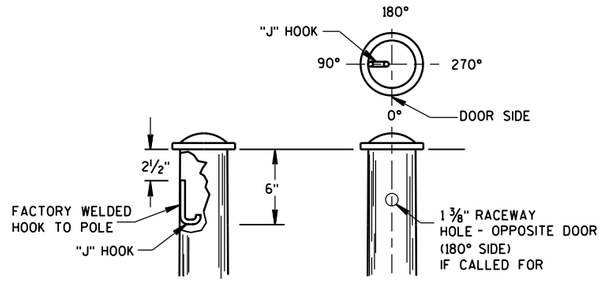
SHIMS SHALL BE LONG ENOUGH AND WIDE ENOUGH TO COMPLETELY COVER THE AREA UNDER THE LENGTH AND WIDTH OF THE BASE MOUNTING FLANGE.



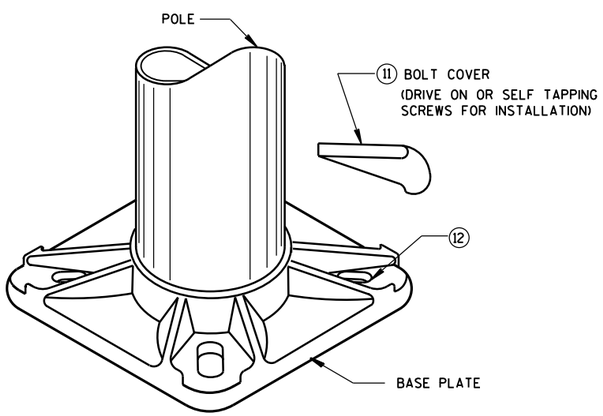
TYPICAL TROMBONE MAST ARM AND SINGLE LUMINAIRE MAST ARM MOUNTING CLAMP



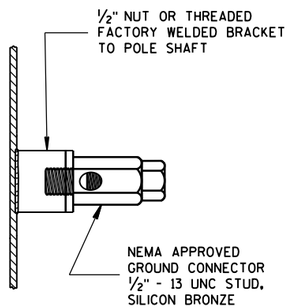
TYPICAL LUMINAIRE MAST ARM (DOUBLE) MOUNTING BRACKETS

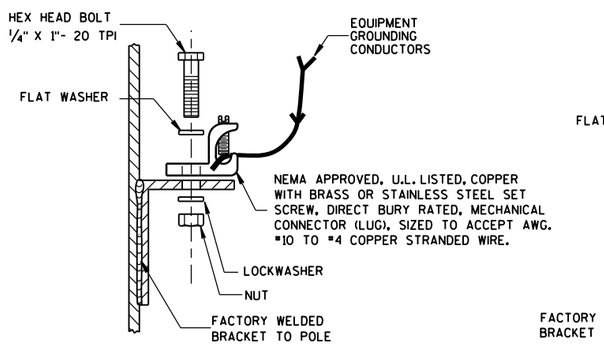


TYPICAL "J" HOOK LOCATION



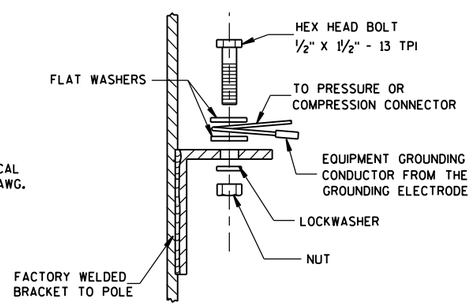
BASE PLATE





TYPICAL GROUNDING CONNECTIONS

NUT, BOLT AND WASHERS SHALL BE STAINLESS STEEL



HARDWARE DETAILS FOR POLE MOUNTINGS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Feb. 2015
DATE

/S/ Ahmet Demirbilek
STATE ELECTRICAL

FHWA

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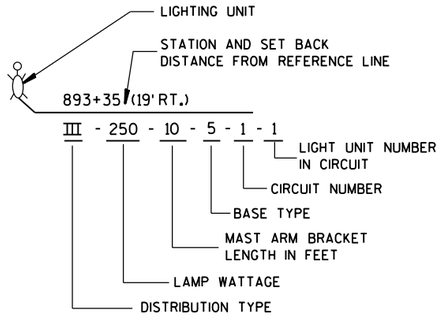
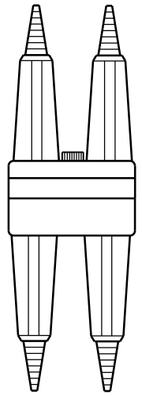
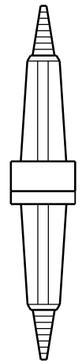


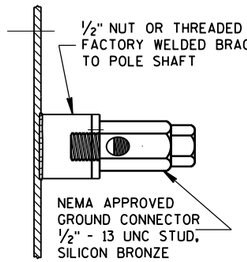
LIGHTING UNIT CODE
(TYPICAL)

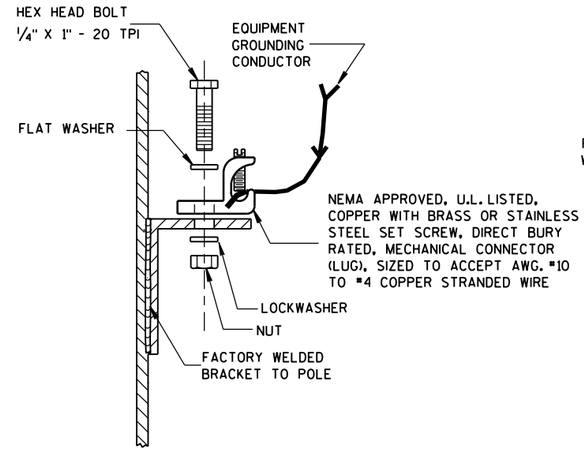


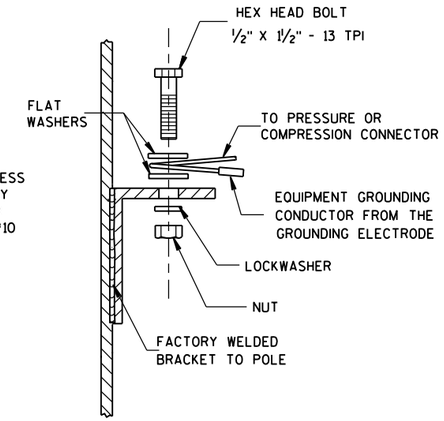
DETAIL "A"
BREAKAWY DOUBLE POLE WITH WATERPROOF INSULATING BOOT



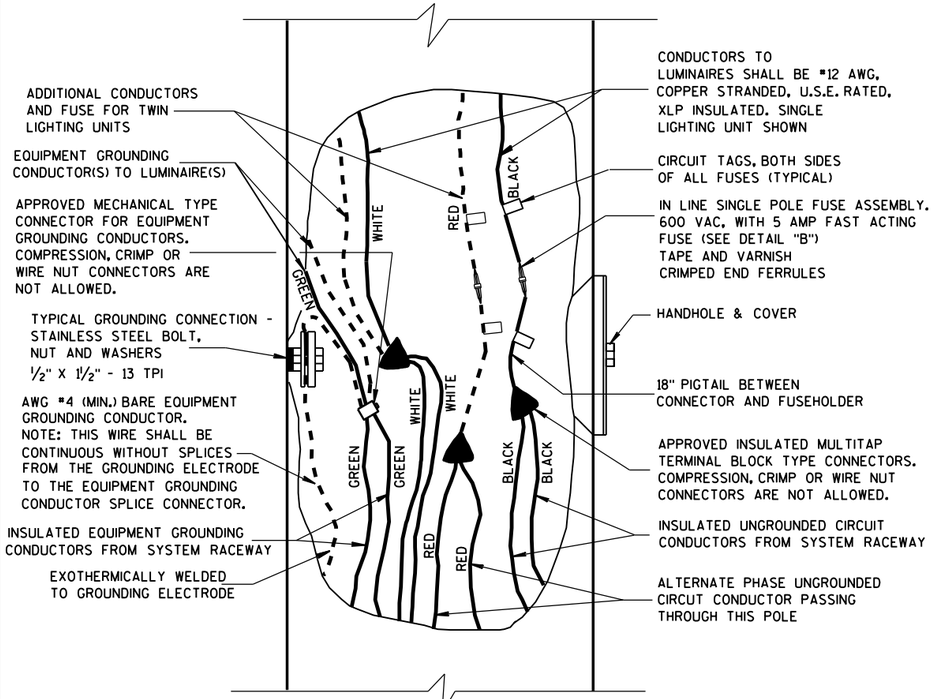
DETAIL "B"
BREAKAWY SINGLE POLE WITH WATERPROOF INSULATING BOOT



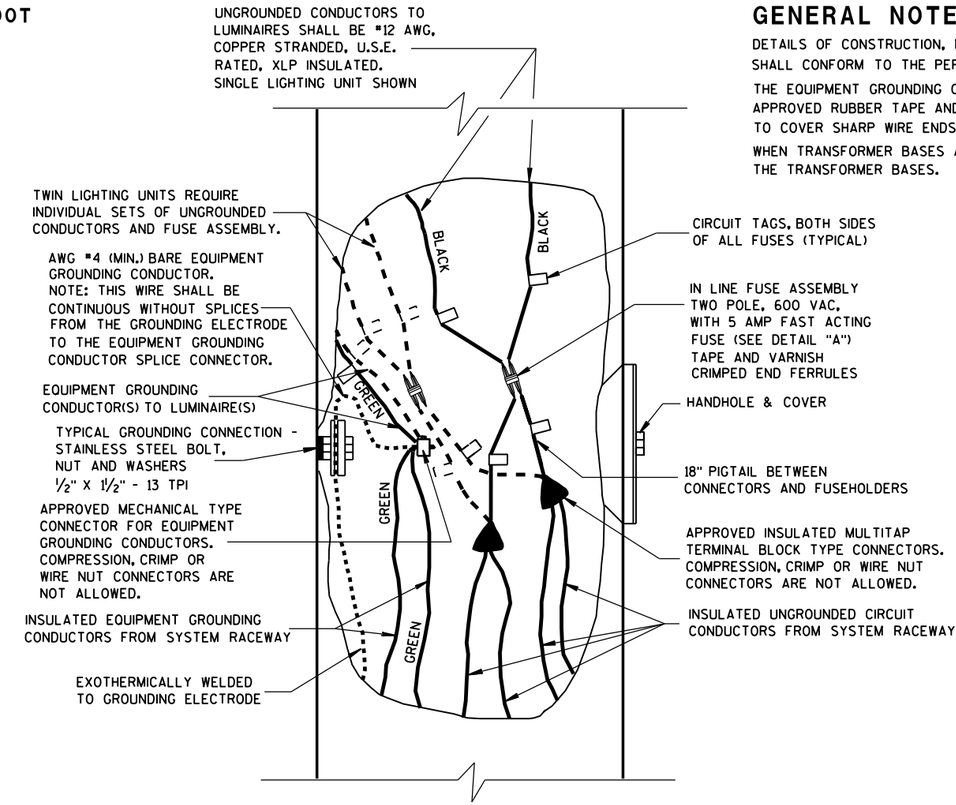




TYPICAL GROUNDING CONNECTIONS
NUT, BOLT, WASHERS AND LOCKWASHERS SHALL BE STAINLESS STEEL



3 WIRE - 120, 240 OR 480 VAC (UNGROUNDED CONDUCTOR) WITH GROUNDED CONDUCTOR AND WITH EQUIPMENT GROUNDING CONDUCTOR



2 WIRE - 240 OR 480 VAC (UNGROUNDED CONDUCTORS) WITH EQUIPMENT GROUNDING CONDUCTOR

GENERAL NOTES

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

THE EQUIPMENT GROUNDING CONNECTOR SHALL BE TAPED WITH 3 WRAPS (MINIMUM) OF APPROVED RUBBER TAPE AND THEN 3 WRAPS (MINIMUM) OF APPROVED VINYL TAPE TO COVER SHARP WIRE ENDS AFTER THE CONNECTION IS COMPLETED.

WHEN TRANSFORMER BASES ARE USED, ALL WIRING CONNECTIONS SHALL OCCUR WITHIN THE TRANSFORMER BASES.

NON-FREEWAY LIGHTING UNIT POLE WIRING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept. 2014 — DATE
/S/ Ahmet Demirbilek — STATE ELECTRICAL
FHWA

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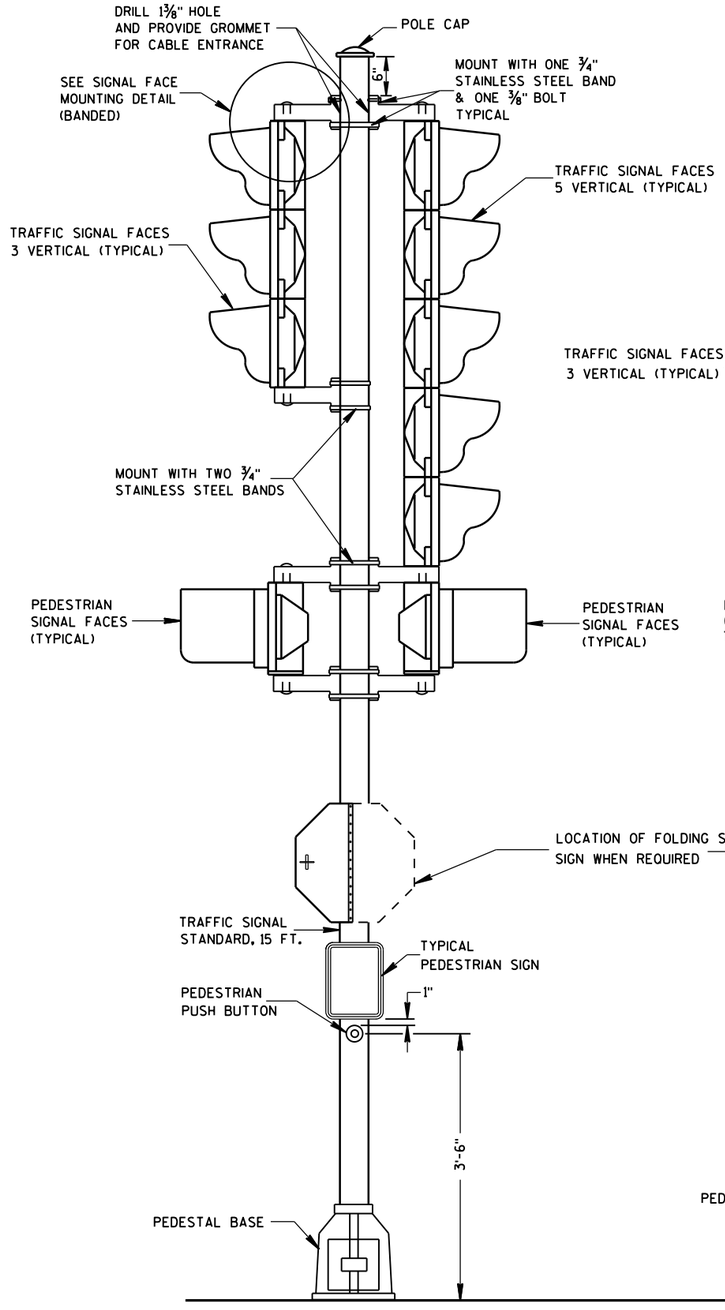
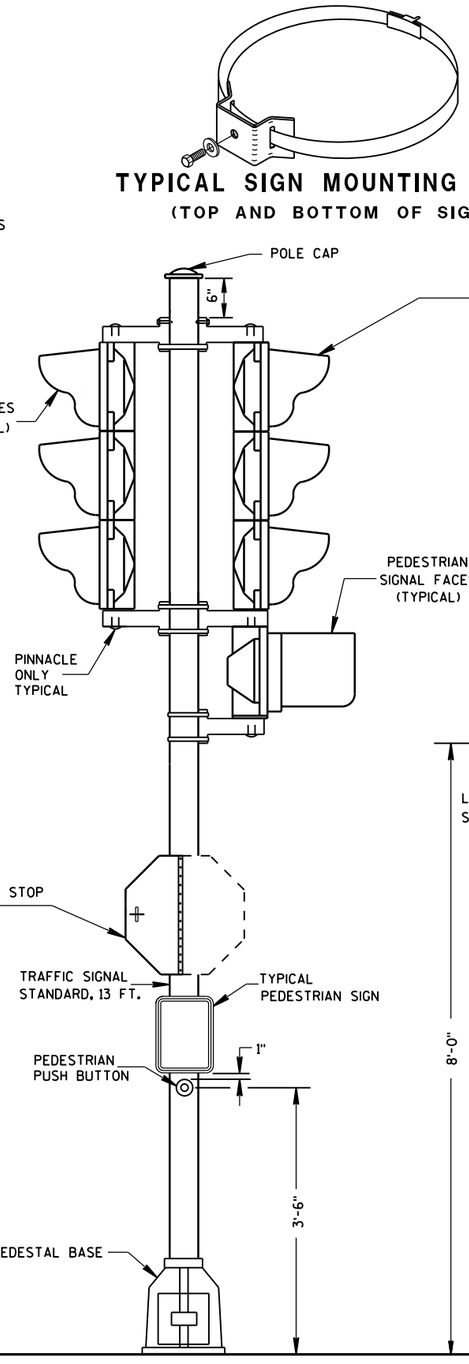
S.D.D. 9 E 3-5

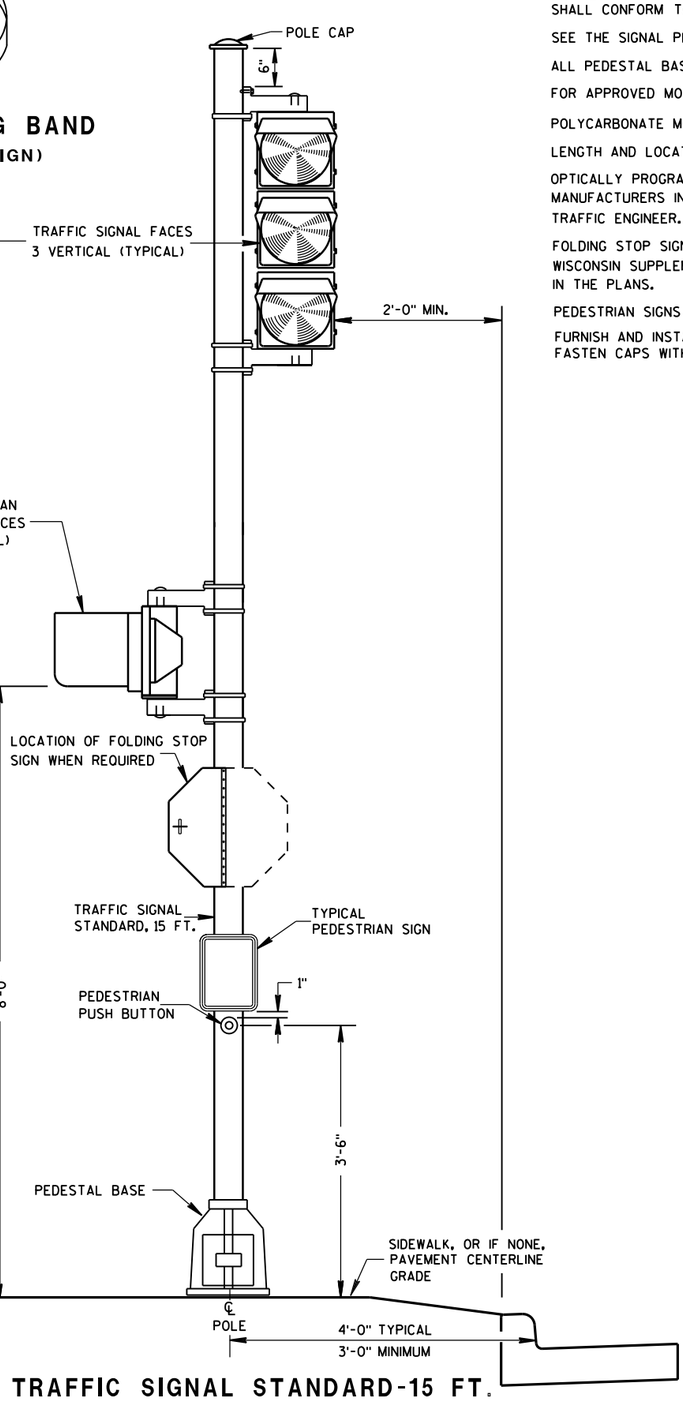


TRAFFIC SIGNAL STANDARD-15 FT.



TRAFFIC SIGNAL STANDARD-13 FT.

TYPICAL SIGN MOUNTING BAND
(TOP AND BOTTOM OF SIGN)



TRAFFIC SIGNAL STANDARD-15 FT.
3M MOUNTING (TYPICAL)

GENERAL NOTES

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

SEE THE SIGNAL PLAN FOR REQUIRED SIGNAL FACE SIZES.

ALL PEDESTAL BASES SHALL BE MOUNTED ON CONCRETE BASE - TYPE 1.

FOR APPROVED MOUNTING HARDWARE, SEE THE CONTRACT SPECIAL PROVISIONS.

POLYCARBONATE MOUNTING BRACKETS SHALL BE USED.

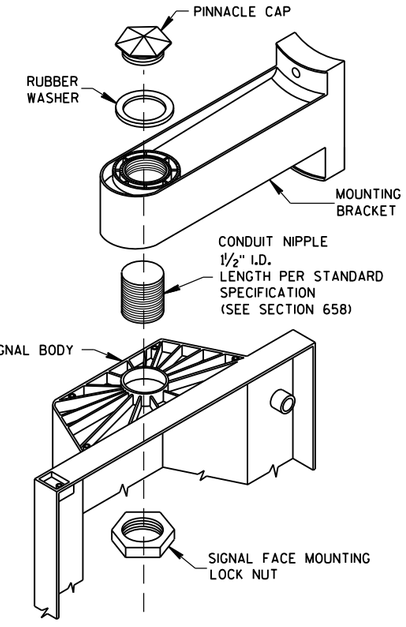
LENGTH AND LOCATION OF TRAFFIC SIGNAL STANDARDS SHALL BE AS SHOWN ON THE PLANS.

OPTICALLY PROGRAMMED SIGNAL FACES SHALL BE MASKED IN ACCORDANCE WITH MANUFACTURERS INSTRUCTIONS, AND UNDER THE DIRECTIONS OF THE REGION TRAFFIC ENGINEER.

FOLDING STOP SIGNS SHALL BE IN ACCORDANCE WITH THE MUTCD AND/OR THE LATEST WISCONSIN SUPPLEMENT. THE SIGNS SHALL BE SIZED AND LOCATED AS CALLED FOR IN IN THE PLANS.

PEDESTRIAN SIGNS SHALL BE AS DESIGNATED IN THE PLANS.

FURNISH AND INSTALL VENTILATED, CAST, METALLIC (ALUMINUM ALLOY) CAPS. FASTEN CAPS WITH ONE (1) ¼" X ¾" - 20 TPI STAINLESS STEEL, HEX HEAD BOLT.



SIGNAL FACE MOUNTING DETAIL
(BANDED)

TRAFFIC SIGNAL STANDARD
POLY BRACKET MOUNTINGS
(TYPICAL) 13 FT. OR 15 FT.

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
2/28/2013 — DATE
/S/ Ahmet Demirbilek — STATE ELECTRICAL
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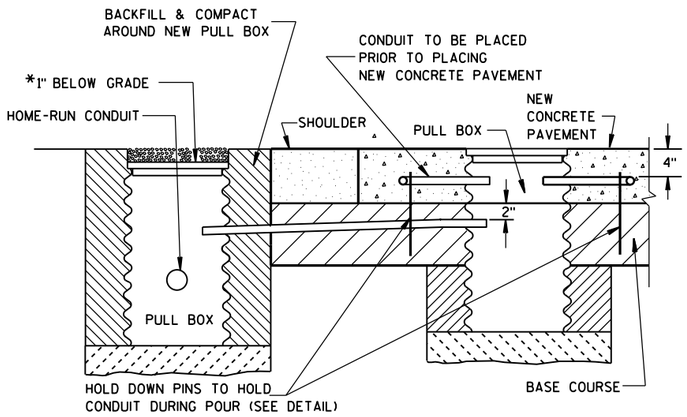


SECTION A-A
NO CURB & GUTTER

LOOP DETECTOR INSTALLATION DETAIL

*RECESS PULL BOX SO THAT THE COVER IS 3" BELOW GRADE IN SHOULDER AREAS OF CRUSHED AGGREGATE. BACKFILL OVER COVER WITH THE CRUSHED AGGREGATE TO BRING THE AREA TO GRADE LEVEL.

GENERAL NOTES

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

LOOP SIZE, LOCATION, NUMBER OF TURNS OF WIRE AND ASSOCIATED SIGNAL PHASE SHALL BE AS SHOWN ON THE PLANS.

PITCH LEAD OUT CONDUIT TO DRAIN TO ROADSIDE PULL BOX.

SPLICES SHALL BE INSTALLED BY USING CAST IN PLACE SPLICE KITS LISTED ON THE DEPARTMENTS APPROVED PRODUCTS LIST OR AN ENGINEER APPROVED EQUAL. NON-INSULATED BUTT SPLICES TO FIT #12 AWG STRANDED WIRE SHALL BE USED. SPLICES SHALL BE SOLDERED AND INSULATED FROM EACH OTHER AS PER INSTRUCTIONS INCLUDED IN THE SPLICE KIT.

MEASURE GROUND RESISTANCE USING A MEGGER. REPLACE LOOP WIRE NOT ATTAINING A READING OF INFINITY TO GROUND.

AFTER SPLICING THE LOOP WIRE TO THE LOOP LEAD-IN CABLE, THE CONTRACTOR SHALL MEASURE INDUCTANCE, GROUND RESISTANCE AND WIRE RESISTANCE AT THE CABINET END OF THE LEAD-IN CABLE AND FURNISH A COPY OF THE READINGS TO THE PROJECT ENGINEER FOR EVALUATION.

LOOP DETECTOR LEADS SHALL BE IDENTIFIED WITH THEIR ASSOCIATED LOOP BY USE OF WATERPROOF TAGS AT BOTH ENDS OF THE CABLE. A LISTING OF THE CABLE IDENTIFICATION PER INDIVIDUAL LOOP LEAD-IN SHALL BE PLACED IN THE CABINET.

ANY PVC LEADOUT CONDUIT CONTAINING MORE THAN ONE TWISTED PAIR OF LOOP LEAD WIRE SHALL BE 2".

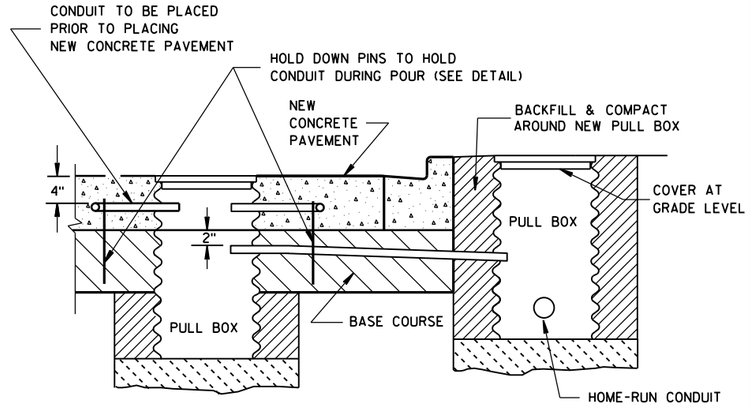
THE #12 AWG LOOP WIRE FROM THE LOOP TO THE ROADSIDE PULL BOX, SHALL BE HAND TWISTED AT LEAST 3 TWISTS PER FOOT BEFORE INSTALLATION.

SPLICES OF LOOP WIRE TO LEAD-IN CABLE SHALL BE MADE ONLY IN PULL BOXES AT THE SIDE OF THE ROAD.

THE #12 AWG LOOP WIRE SHALL BE INSTALLED FROM THE ROADSIDE PULL BOX, INTO THE PULL BOX IN THE PAVEMENT, THROUGH THE LOOP CONDUIT, BACK TO THE ROADSIDE PULL BOX, AND BE INSTALLED IN ONE, NON-SPLICED CONTINUOUS LENGTH.

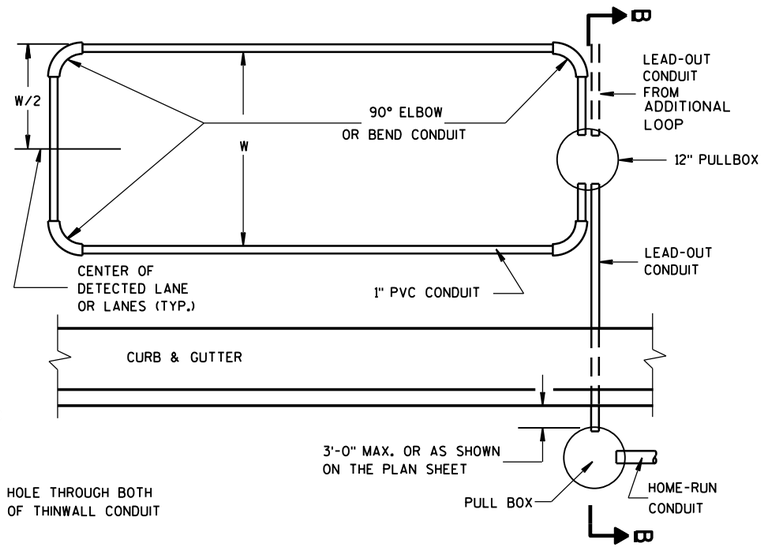
PROTECTION OF THE PULL BOX IN THE BASE COURSE, AND THE RELATED CONDUITS SHALL BE REQUIRED AFTER INSTALLATION AND BEFORE NEW CONCRETE PAVEMENT IS POURED.

12" PULL BOXES IN PAVEMENT SHALL BE CORRUGATED STEEL ONLY.

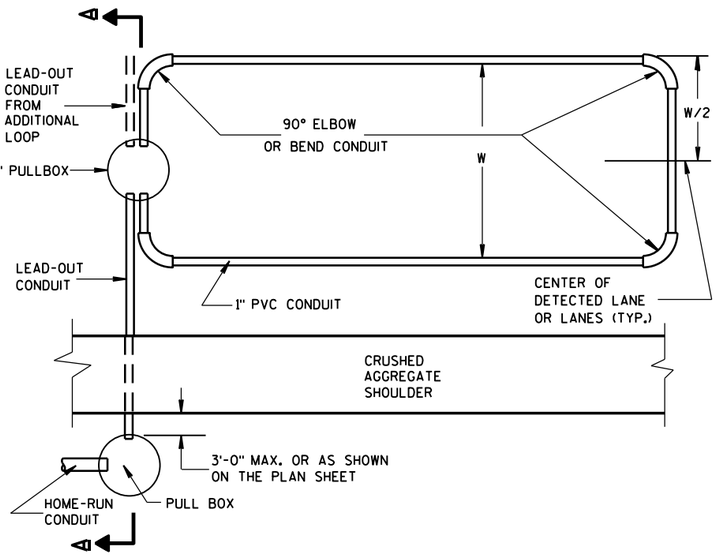


SECTION B-B
CURB & GUTTER

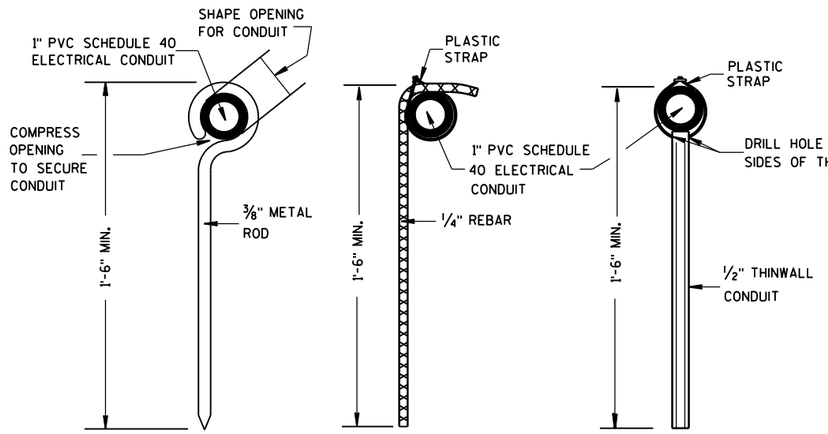
LOOP DETECTOR INSTALLATION DETAIL



TYPICAL PLAN OF LOOP DETECTOR WITH 12" PULLBOX



TYPICAL PLAN OF LOOP DETECTOR WITH 12" PULLBOX



TYPICAL DETAILS FOR HOLD DOWN PINS

LOOP DETECTOR INSTALLED IN NEW CONCRETE PAVEMENT ROUND CSCP PULLBOX

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept. 2014 — DATE
/S/ Ahmet Demirbilek — STATE ELECTRICAL
FHWA

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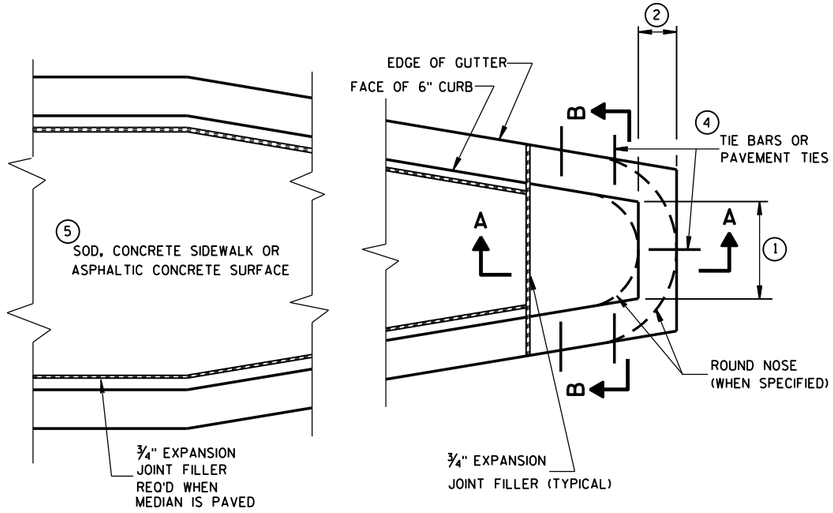
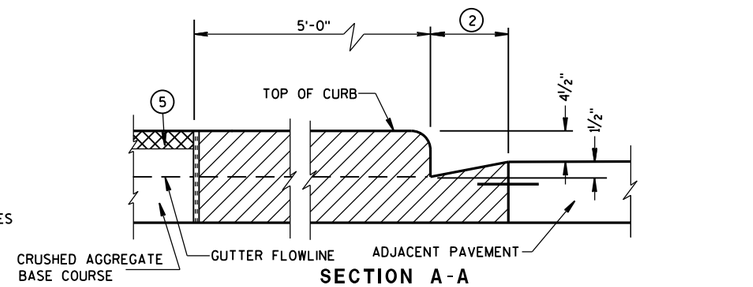
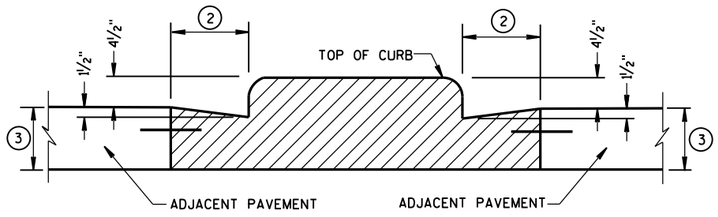






CONCRETE MEDIAN BLUNT NOSE DETAIL

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.

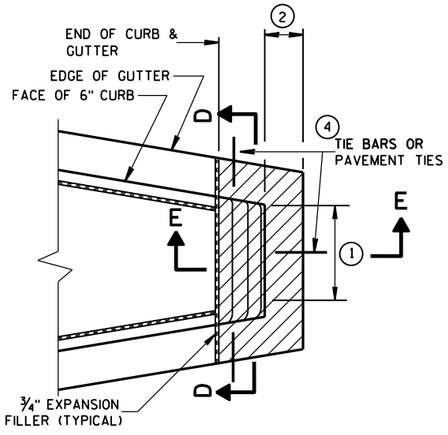
(2) ASPHALTIC CONCRETE PAVEMENT OVER NEW OR EXISTING CONCRETE BASE COURSE.

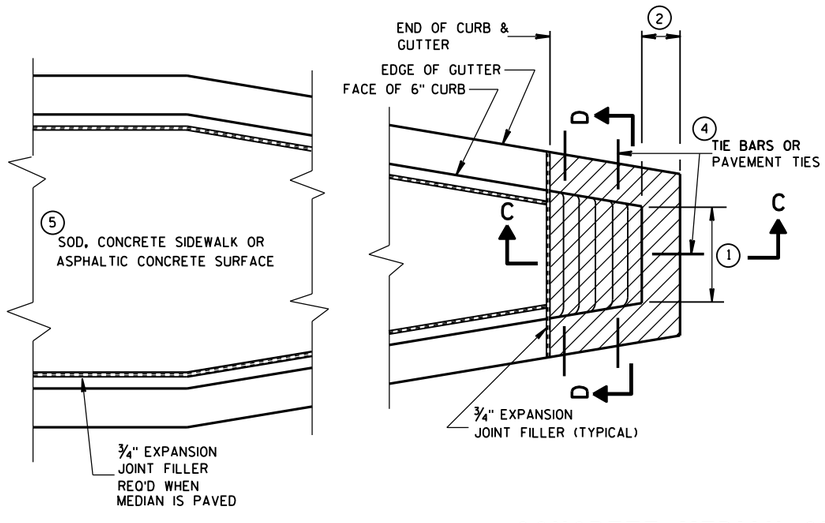
(3) ASPHALTIC CONCRETE PAVEMENT OVER CRUSHED AGGREGATE BASE COURSE.

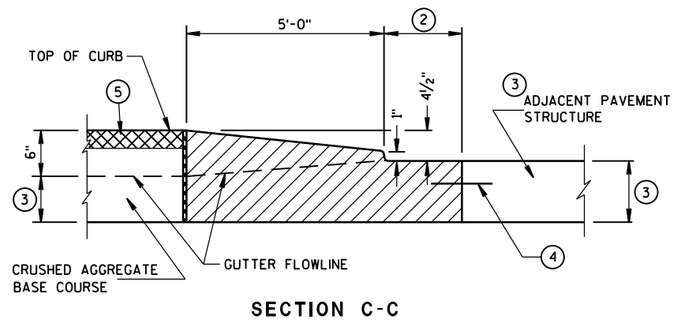
(4) TIE BARS OR PAVEMENT TIES REQUIRED IN NEW CONCRETE PAVEMENT OR CONCRETE BASE COURSE. TIE BARS SHALL BE NO. 4 X 2'-0" SPACED AT 2'-0" C-C.

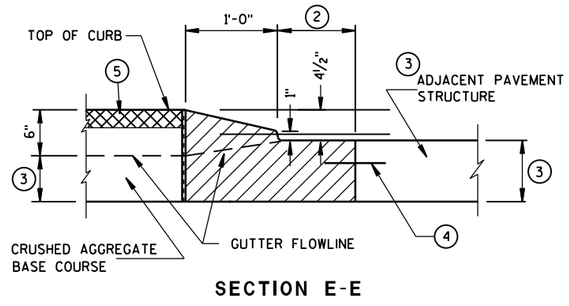
PAVEMENT TIES REQUIRED IN EXISTING CONCRETE BASE COURSE. PAVEMENT TIES SHALL BE NO. 6 X 1'-0" SPACED AT 3'-0" C-C INSTALLED ON A HORIZONTAL SKEW OF 6:1. THE DIRECTION OF SKEW SHALL ALTERNATE AFTER EVERY ONE OR TWO BARS.

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



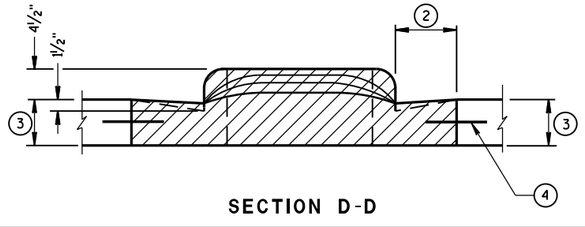






CONCRETE MEDIAN SLOPED NOSE TYPE 2

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
430
FHWA

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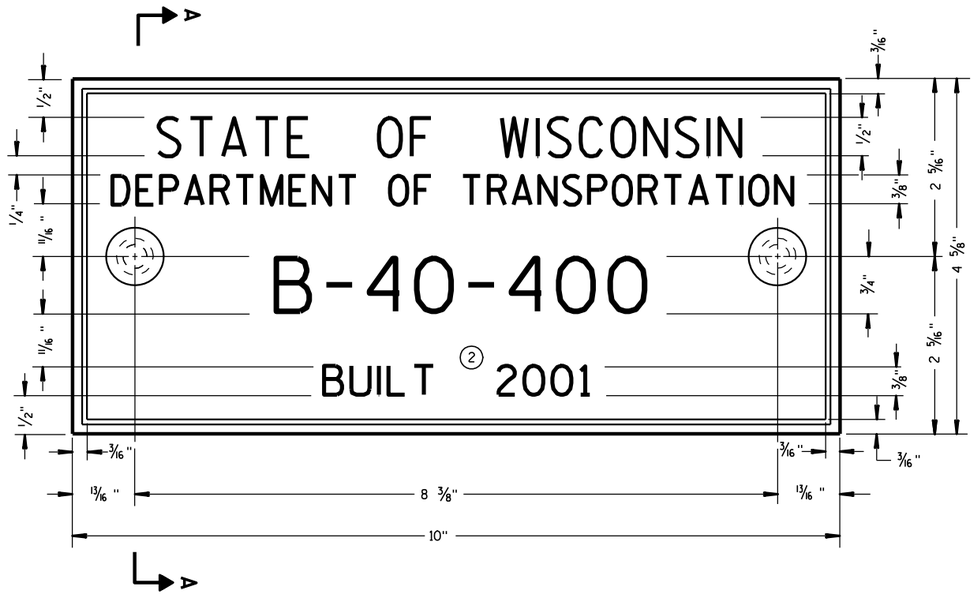
S.D.D. 11 B 2-2



TYPICAL NAME PLATE

(BRIDGES, CULVERTS, AND RETAINING WALLS)

FOR MULTI-UNIT STRUCTURES
LINE 3 ABOVE SHALL READ

B = BRIDGE
C = CULVERT
R = RETAINING WALL

COUNTY NO.

BRIDGE NO.

UNIT NO. FOR MULTIPLE UNIT BRIDGE

B-40-400-1A

NUMBERING DESIGNATION MULTI-UNIT STRUCTURES

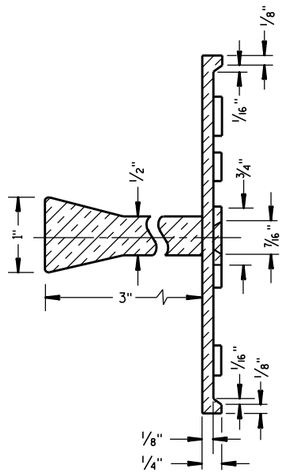
GENERAL NOTES

NAME PLATES TO BE INSTALLED ON BRIDGES, CULVERTS, AND RETAINING WALLS SHALL CONFORM TO THE REQUIREMENTS OF SECTION 502.3.11 OF THE STANDARD SPECIFICATIONS.

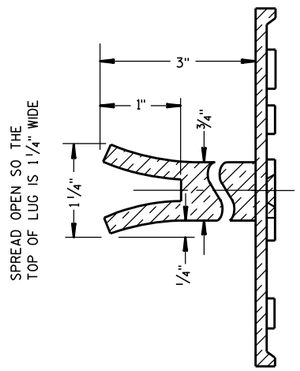
THE BRIDGE NUMBER AND YEAR BUILT SHOWN ON THIS DRAWING ARE EXAMPLES ONLY. SEE CONSTRUCTION PLANS FOR INDIVIDUAL NUMBERING AND YEAR BUILT.

(1) EPOXY RESIN SHALL BE FROM AN APPROVED MANUFACTURER AND USED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.

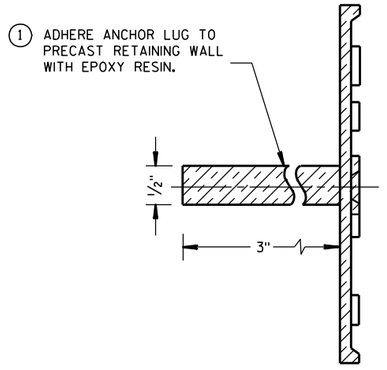
(2) REHABILITATION OF AN EXISTING STRUCTURE SHOULD USE THE DATE OF ORIGINAL STRUCTURE CONSTRUCTION.



SECTION A-A



ALTERNATE LUG



ALTERNATE LUG

(FOR ATTACHMENT TO PRECAST STRUCTURES)

NAME PLATE (STRUCTURES)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

3/26/10 DATE

/S/ Scot Becker CHIEF STRUCTURAL DEVELOPMENT ENGINEER

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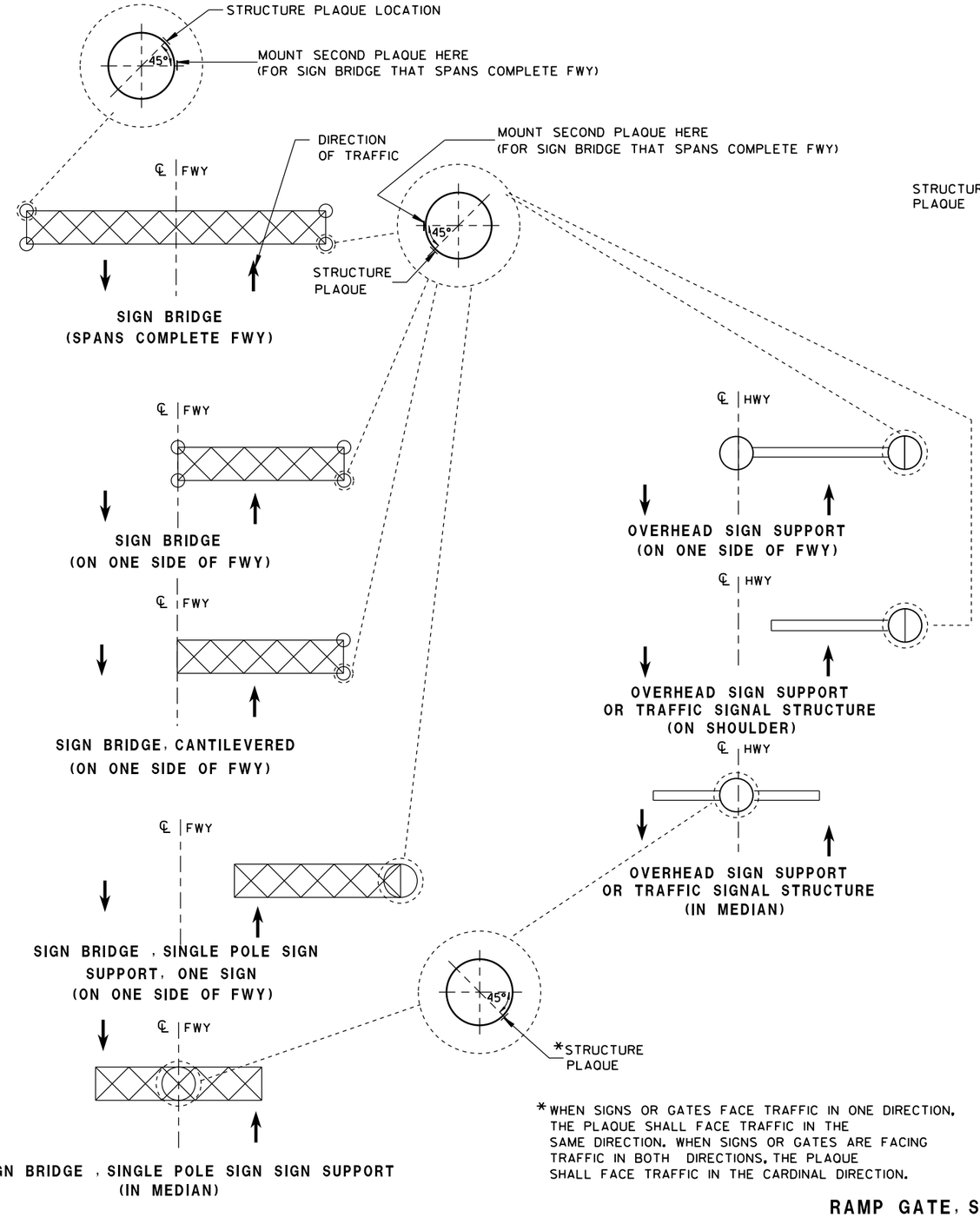
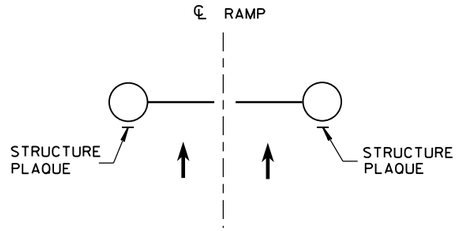
S.D.D. 12 A 3-10

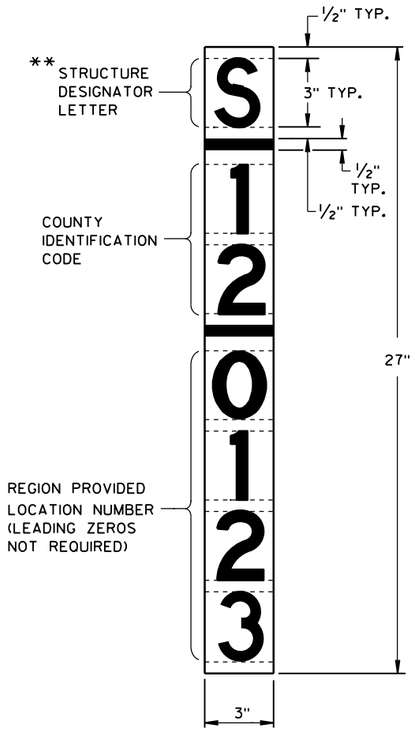


*WHEN SIGNS OR GATES FACE TRAFFIC IN ONE DIRECTION, THE PLAQUE SHALL FACE TRAFFIC IN THE SAME DIRECTION. WHEN SIGNS OR GATES ARE FACING TRAFFIC IN BOTH DIRECTIONS, THE PLAQUE SHALL FACE TRAFFIC IN THE CARDINAL DIRECTION.

LOCATION OF RAMP GATE, SIGN BRIDGE, OVERHEAD SIGN SUPPORT & TRAFFIC SIGNAL STRUCTURE PLAQUES



**RAMP GATE
(ACROSS FWY ON-RAMP)**



RAMP GATE, SIGN BRIDGE, OVERHEAD SIGN SUPPORT AND TRAFFIC SIGNAL STRUCTURE PLAQUE FOR SIGN BRIDGES AND OVERHEAD SIGN SUPPORT WHICH ARE NOT STRUCTURE MOUNTED

** LETTER "G" UTILIZED FOR RAMP GATES. LETTER "S" UTILIZED FOR SIGN BRIDGES, OVERHEAD SIGN SUPPORTS, AND TRAFFIC SIGNALS.

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.

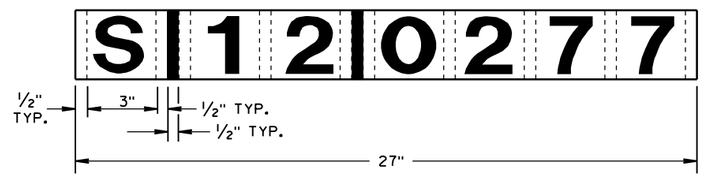
FACE - WHITE, SELF-ADHESIVE VINYL SHEETING, NON-RETROREFLECTIVE

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.



IDENTIFICATION PLAQUE FOR SIGN BRIDGE, STRUCTURE MOUNTED

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

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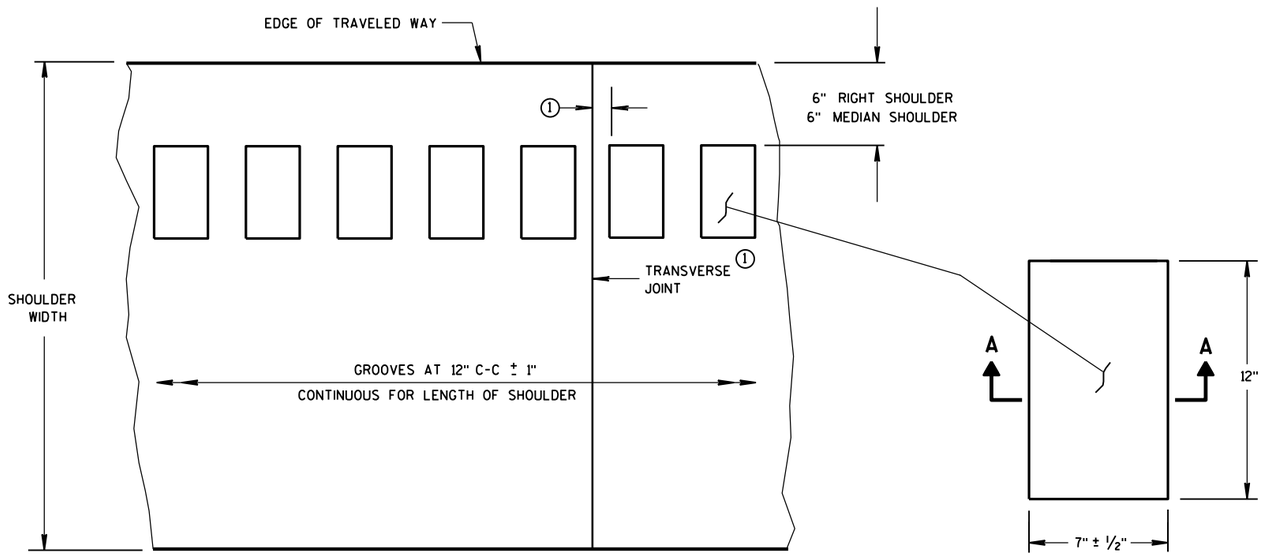
S.D.D. 12 A 4-3



PLAN VIEW
SHOULDER WITH GROOVES

PLAN VIEW
(SINGLE GROOVE)

PLACEMENT DETAIL FOR MILLED RUMBLE STRIP

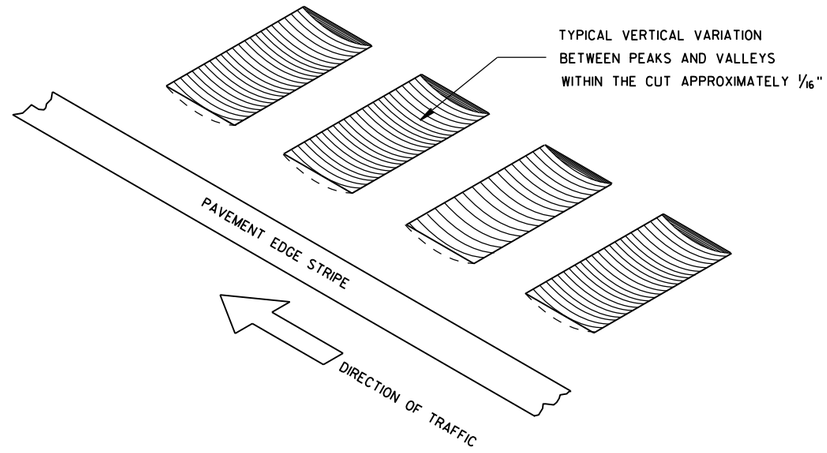
GENERAL NOTES

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

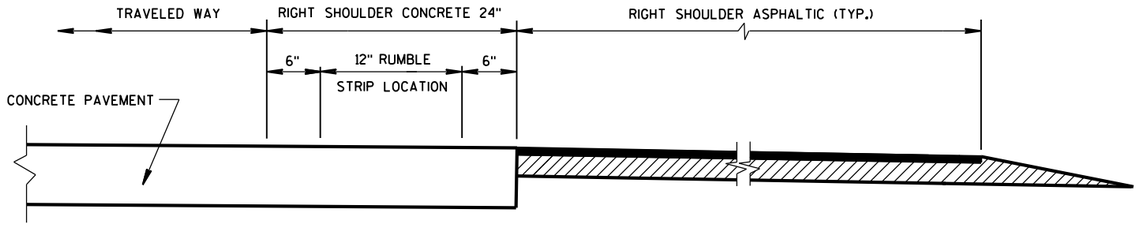
RUMBLE STRIPS ON EXPRESSWAYS

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

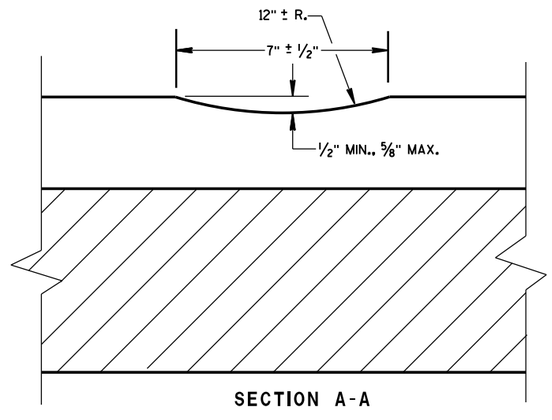
(1) CONCRETE PAVEMENT - RUMBLE STRIPS SHALL BE A MINIMUM OF 6" AWAY FROM TRANSVERSE JOINTS.



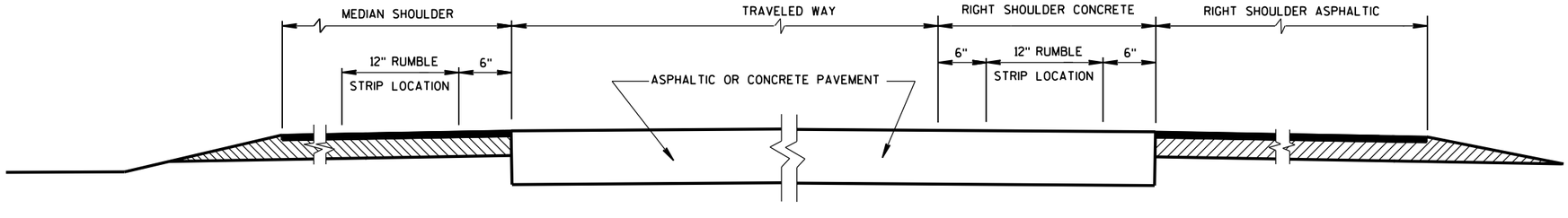
ISOMETRIC



SECTION VIEW
CONCRETE PAVEMENT EXTENDS INTO RIGHT SHOULDER)



SECTION A-A



SECTION VIEW

TYPICAL LOCATIONS OF SHOULDER RUMBLE STRIPS IN RURAL DIVIDED HIGHWAYS

(ONE ROADWAY IS SHOWN)

SHOULDER RUMBLE STRIP, MILLING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

6

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

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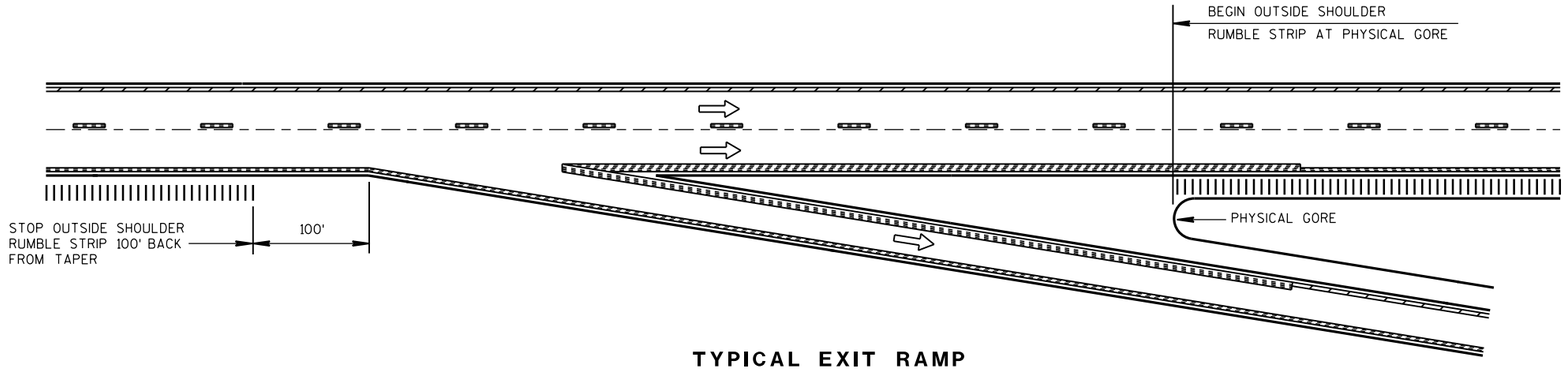
S.D.D. 13 A 5-5a



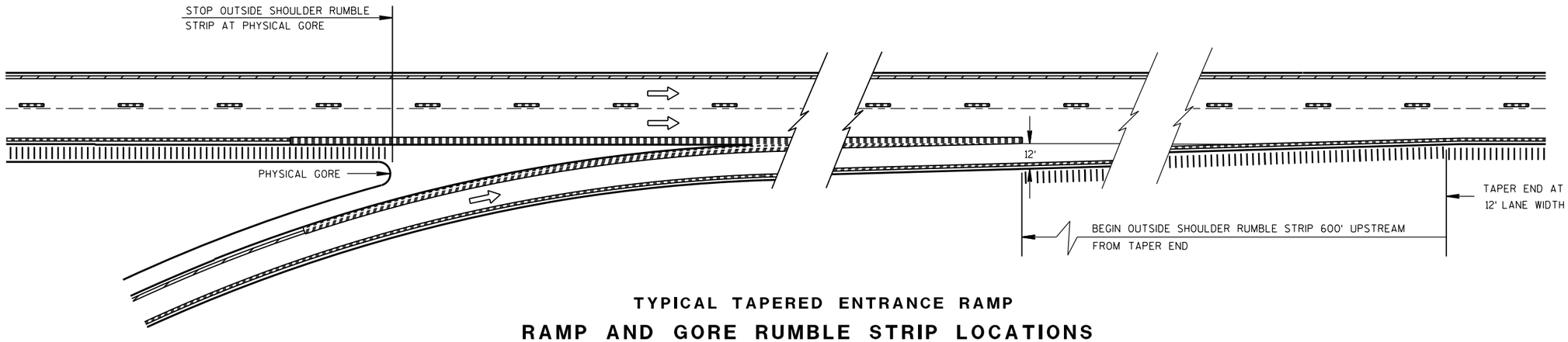
TYPICAL EXIT RAMP

NOTES:

NO RUMBLE STRIP ON EXIT, DIRECTIONAL, OR ENTRANCE RAMPS, EXCEPT NEAR THE ENTRANCE TAPER END AND ALONG THE PARALLEL RAMP AREA AS SHOWN.

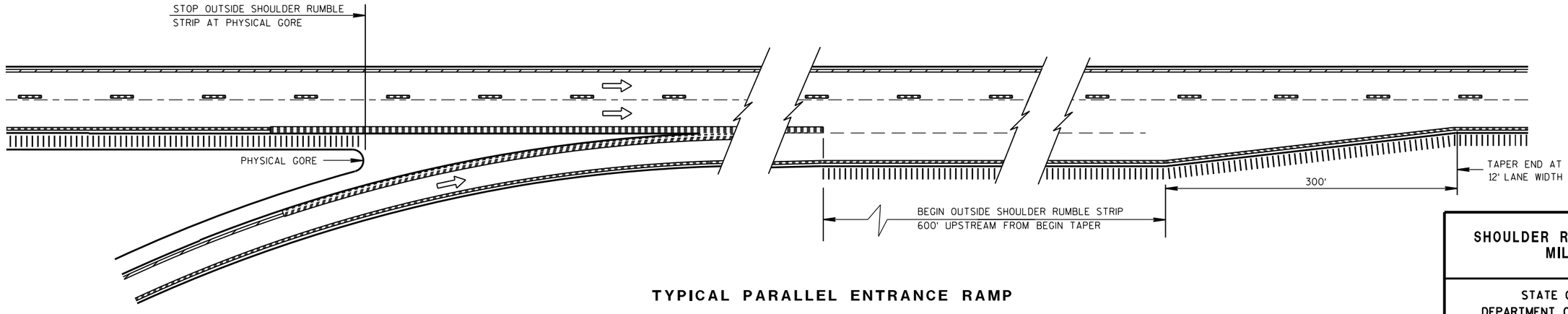
PAVEMENT MARKING DETAILS AND SPECIFICATIONS ARE PROVIDED ELSEWHERE IN THE CONTRACT.

NOTE:
ARROW SYMBOL (⇨)
SHOWS DIRECTION OF TRAVEL



TYPICAL TAPERED ENTRANCE RAMP

RAMP AND GORE RUMBLE STRIP LOCATIONS



TYPICAL PARALLEL ENTRANCE RAMP

RAMP AND GORE RUMBLE STRIP LOCATIONS

SHOULDER RUMBLE STRIP, MILLING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

12/17/2012
DATE

/S/ Jerry H. Zoga
ROADWAY STANDARDS ENGINEER

FHWA

6

S.D.D. 13 A 5-5b

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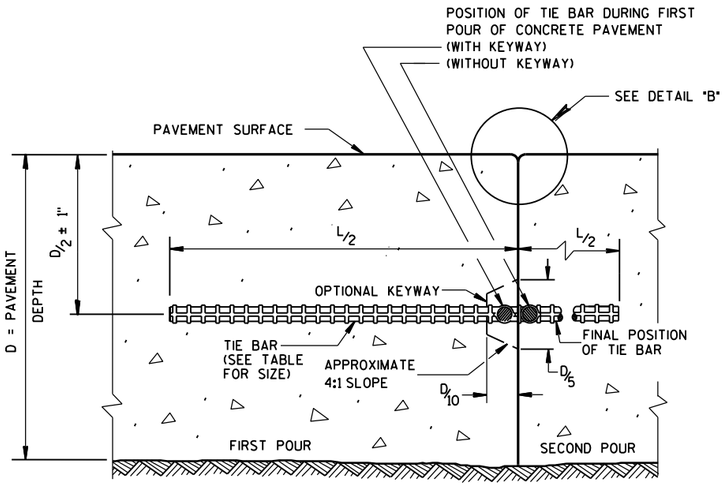
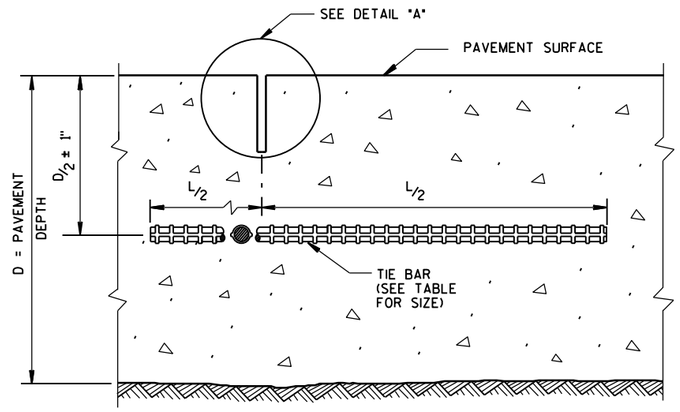
S.D.D. 13 A 5-5b



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.

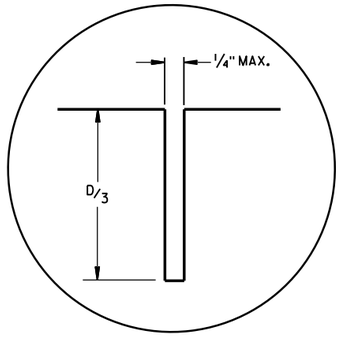
(1) ANCHOR TIE BARS INTO DRILLED HOLES WITH AN EPOXY.

(2) PAVEMENT THAT WAS IN PLACE PRIOR TO THE CONTRACT.

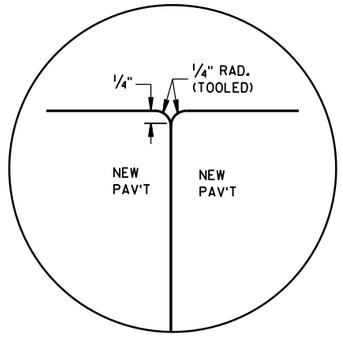
PLAN VIEW

SECTION A-A

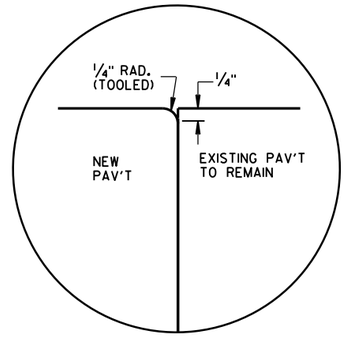
LONGITUDINAL CONSTRUCTION JOINT TIE BARS ANCHORED INTO EXISTING PAVEMENT



DETAIL "A"



DETAIL "B"



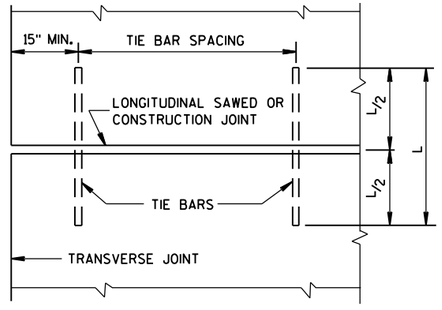
DETAIL "C"

TIE BAR TABLE

PAVEMENT DEPTH (D)	TIE BAR SIZE	TIE BAR LENGTH (L)	MAX. TIE BAR SPACING
< 10 1/2"	NO. 4	30"	36"
≥ 10 1/2"	NO. 5	36"	36"
	NO. 4 *	30"	24"**

* SUBSTITUTE BENT BARS AT LONGITUDINAL JOINTS WHEN EQUIPMENT LIMITATIONS DURING CONSTRUCTION WARRANT (e.g. AUXILIARY LANES OR TURN LANES)

** CONFORM TO 15" MINUMUM SPACING FROM TRANSVERSE JOINTS; SPACING BETWEEN TIE BARS WILL BE 30" AT TRANSVERSE JOINTS.



PLAN VIEW
SHOWING LOCATION OF TIE BARS

CONCRETE PAVEMENT LONGITUDINAL JOINTS AND TIES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June, 2015 — DATE
/S/ Peter Kemp, P.E. — PAVEMENT SUPER
FHWA

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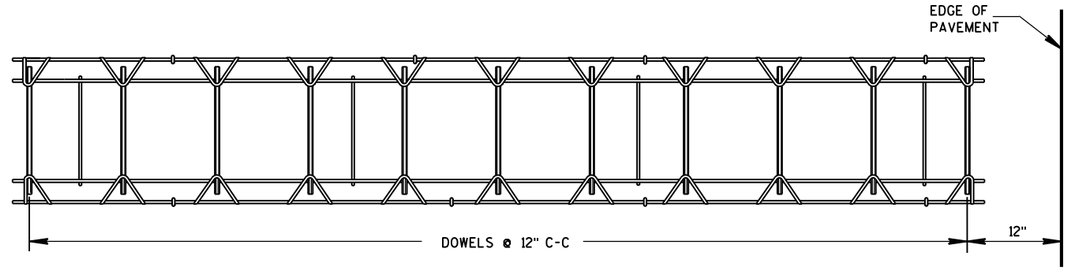
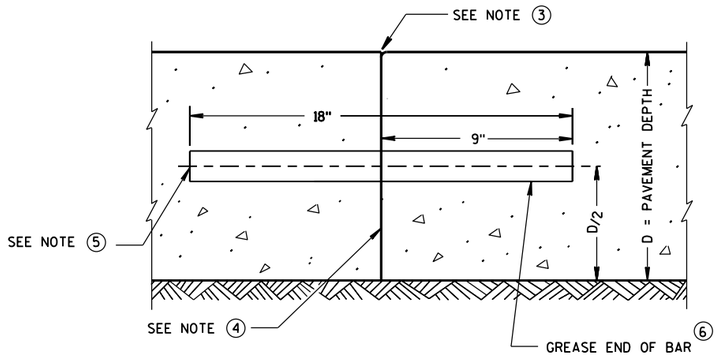
S.D.D. 13 C 1-18



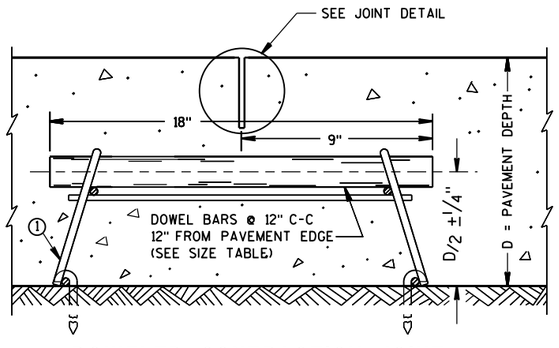
PLAN VIEW

SIDE VIEW

CONTRACTION JOINT DOWEL ASSEMBLY ①



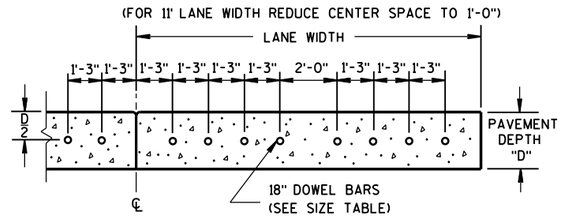
TRANSVERSE CONSTRUCTION JOINT



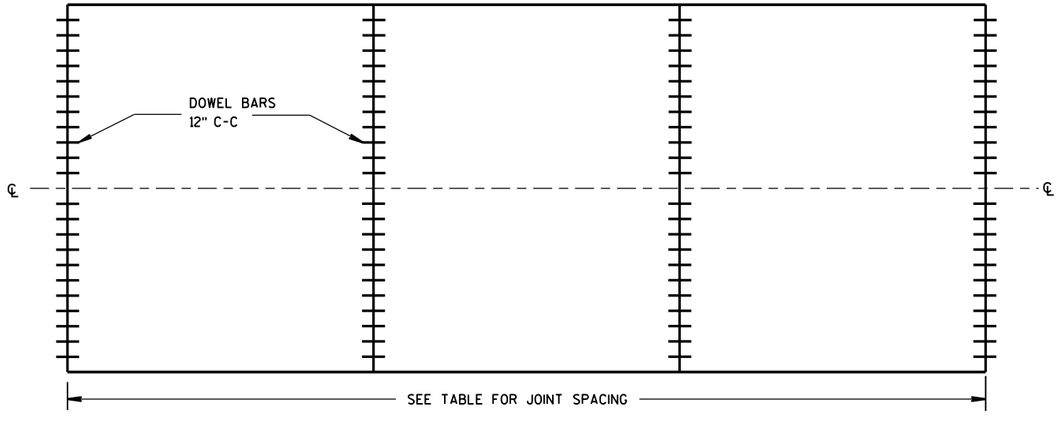
DOWELED CONTRACTION JOINT

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.

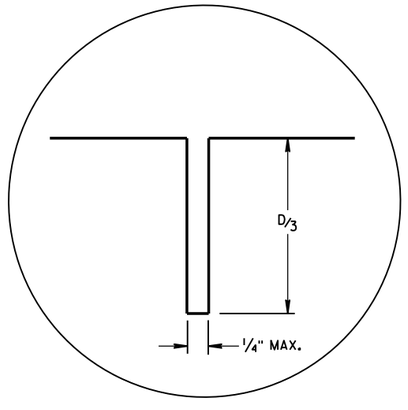
③ FORM OR SAW CONSTRUCTION JOINTS. PROVIDE A ¼-INCH RADIUS AT FORMED JOINTS.

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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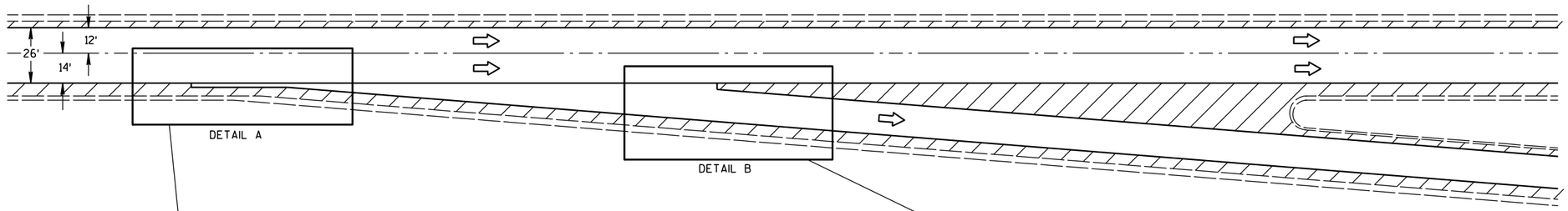
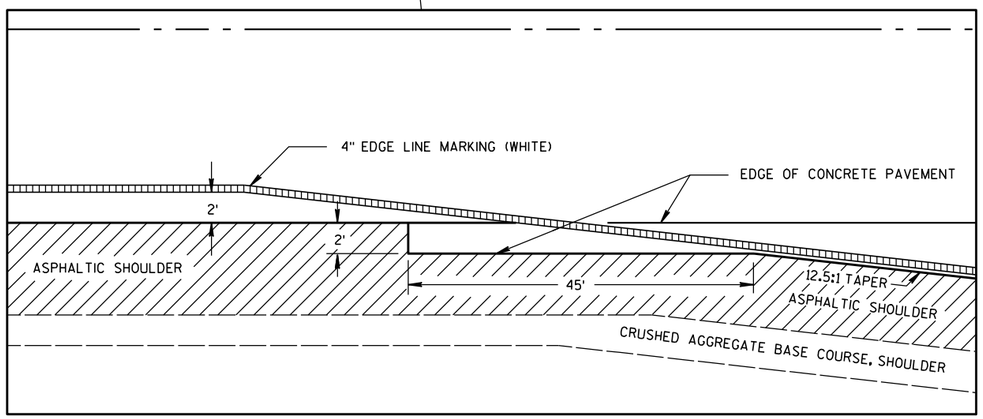
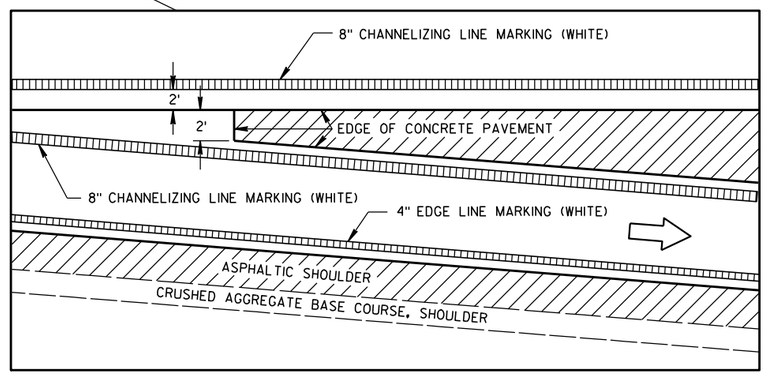
S.D.D. 13 C 13-8



EXIT RAMP DETAIL



DETAIL A



DETAIL B

CONCRETE JOINT PAVING DETAILS

GENERAL NOTES

PAVEMENT MARKING DETAILS AND SPECIFICATIONS ARE PROVIDED ELSEWHERE IN THE CONTRACT.

SEE SDD 13 A 4-4c OR SDD 13 A 5-1b FOR RAMP AND GORE RUMBLE STRIP LOCATION.

CONCRETE JOINT DETAIL FOR EXIT RAMP TERMINI

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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S.D.D. 13 C 17-1a

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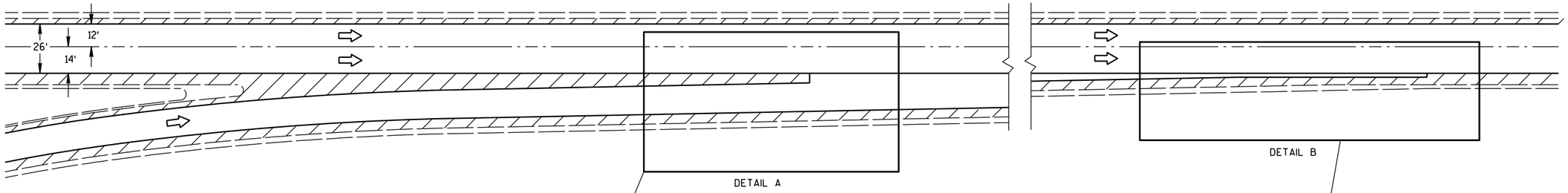
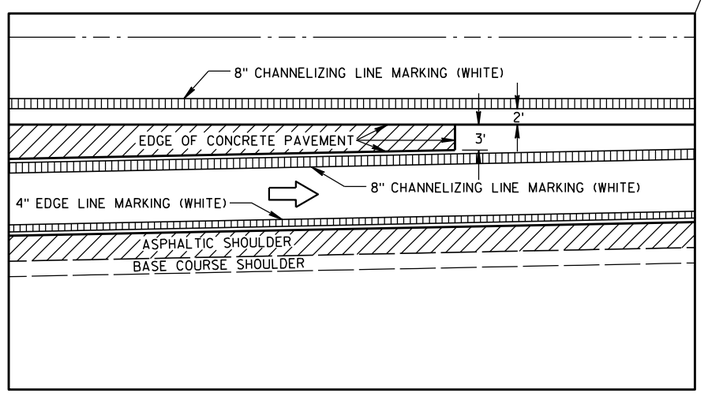
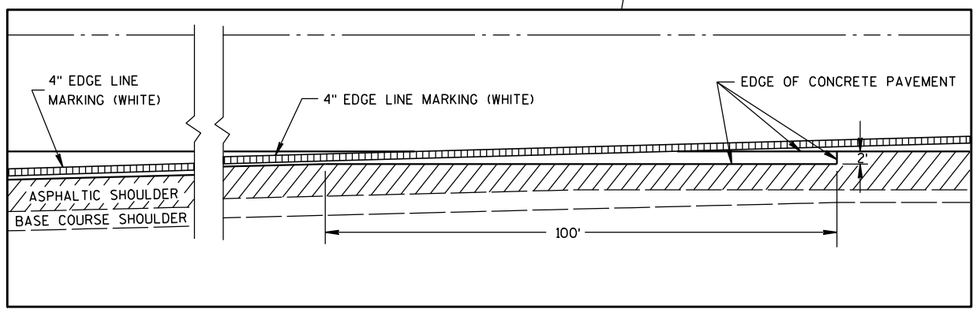
S.D.D. 13 C 17-1a



ENTRANCE RAMP DETAIL



DETAIL A



DETAIL B

CONCRETE JOINT PAVING DETAILS

GENERAL NOTES

PAVEMENT MARKING DETAILS AND SPECIFICATIONS ARE PROVIDED ELSEWHERE IN THE CONTRACT.

SEE SDD 13 A 4-4c OR SDD 13 A 5-1b FOR RAMP AND GORE RUMBLE STRIP LOCATION.

CONCRETE JOINT DETAIL FOR ENTRANCE RAMP TERMINI

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

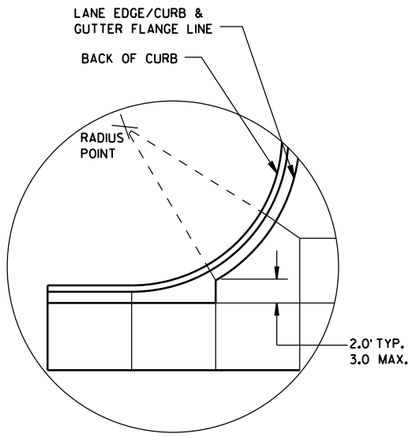
5/27/98
DATE

/S/ Rory L. Rhinesmith
CHIEF ROADWAY DEVELOPMENT ENGINEER

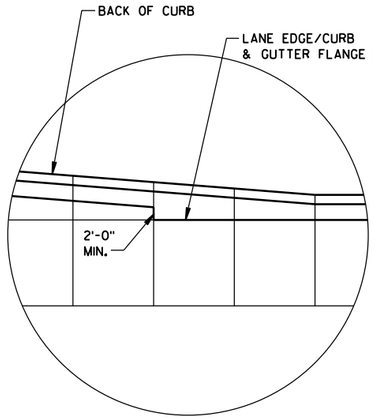
FHWA

6

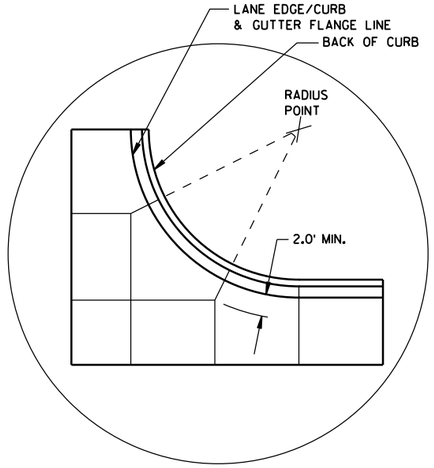
S.D.D. 13 C 17-1b



DETAIL "A"



DETAIL "B"



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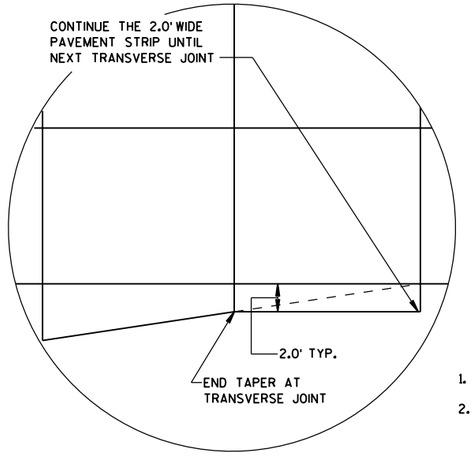


DETAIL "D"

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.

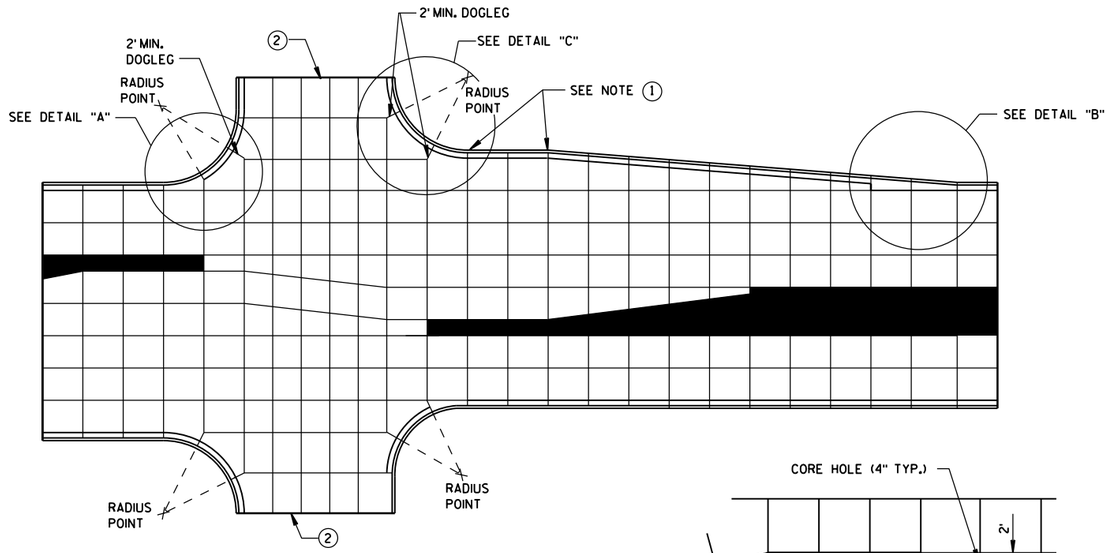
AVOID SLABS LESS THAN 2 FEET WIDE OR GREATER THAN 15 FEET WIDE.

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.

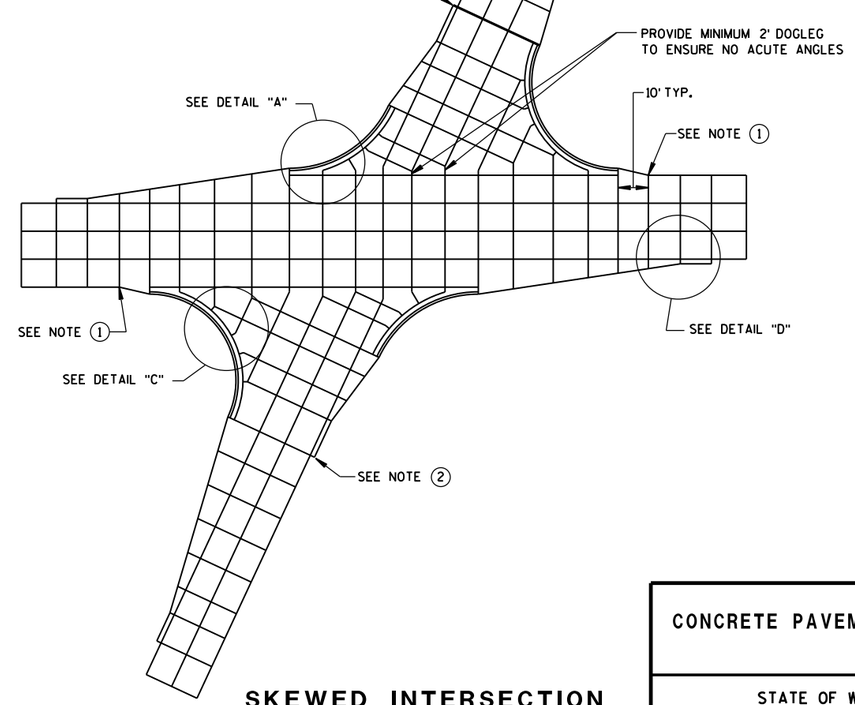
1. PROVIDE TRANSVERSE JOINTS AT ALL PAVEMENT WIDTH CHANGES.
2. CONSTRUCT DOWELED EXPANSION JOINT ON THE SIDE ROAD OF AN INTERSECTION IF THE SIDE ROAD IS CONCRETE PAVEMENT AND GREATER THAN 300 FEET IN LENGTH. ALIGN EXPANSION JOINT WITH EDGE OF RADIUS.
3. THE ENGINEER MAY APPROVE SLIGHT VARIATIONS FROM THESE JOINTING DETAILS.



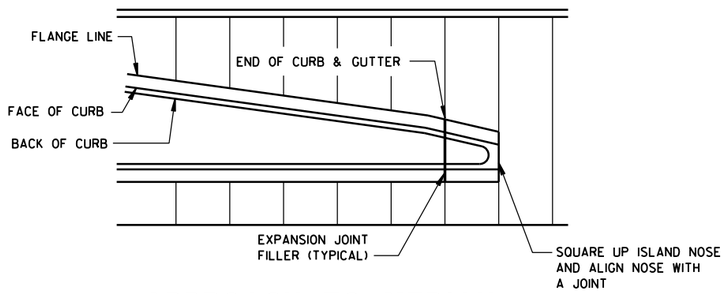
STANDARD INTERSECTION

PAVEMENT DEPTH AND JOINT SPACING TABLE

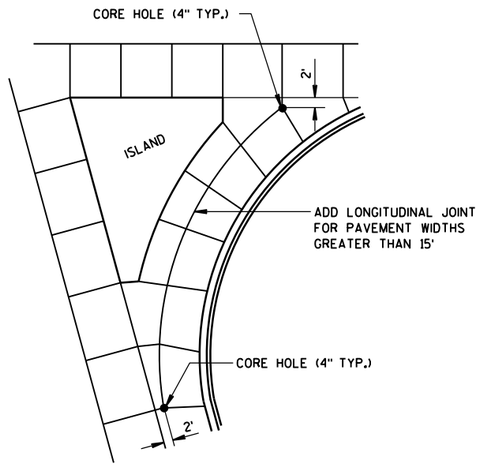
PAVEMENT DEPTH (D)	CONTRACTION JOINT SPACING
6", 6½"	12'
7", 7½"	14'
8" & ABOVE	15'



SKEWED INTERSECTION



APPROACH TO MEDIAN



LARGE RIGHT TURN

CONCRETE PAVEMENT JOINTING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR 439

6

S.D.D. 13 C 18-5a

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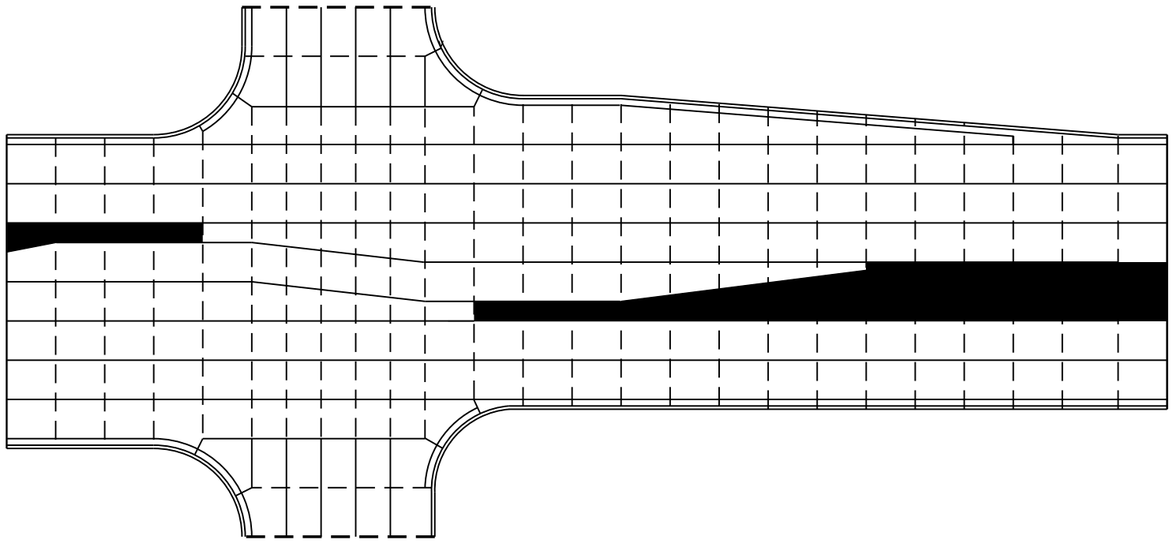
S.D.D. 13 C 18-5a

LEGEND

POTENTIAL DOWELED EXPANSION JOINT

DOWELED JOINT

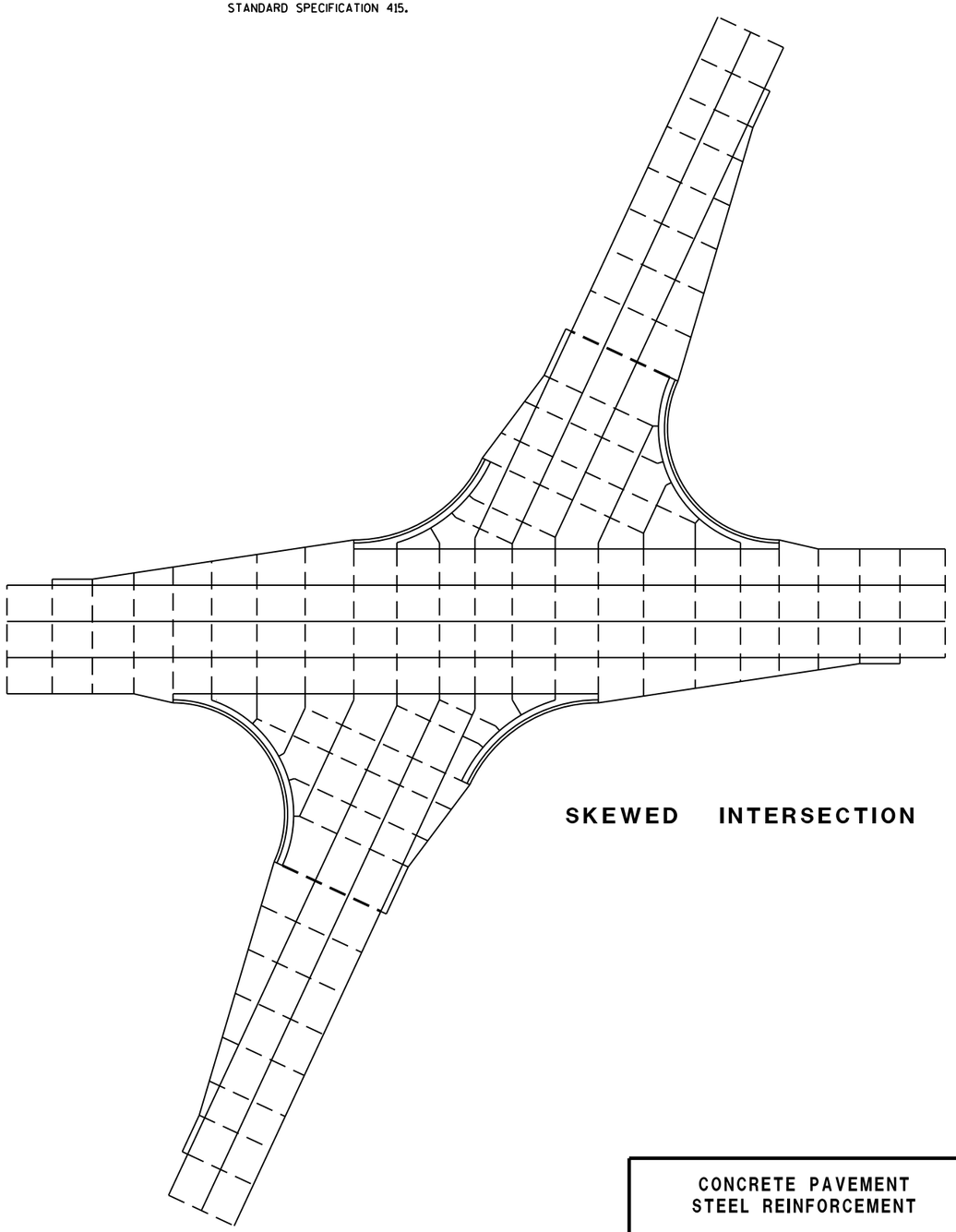
TIED JOINT



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 18-5b

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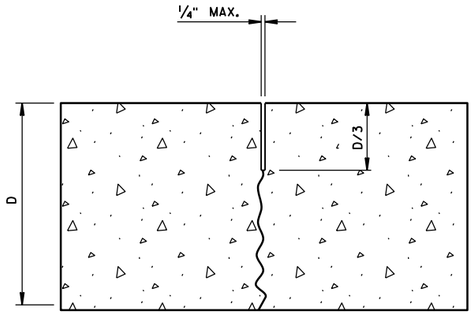
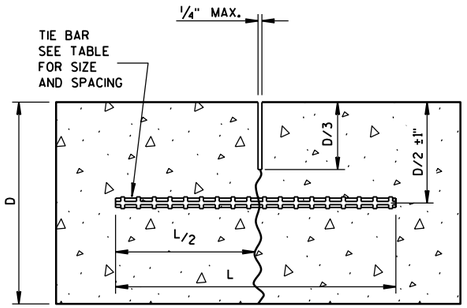
S.D.D. 13 C 18-5b



UNDOWELED-TRANSVERSE



TIED LONGITUDINAL

TIE BAR TABLE

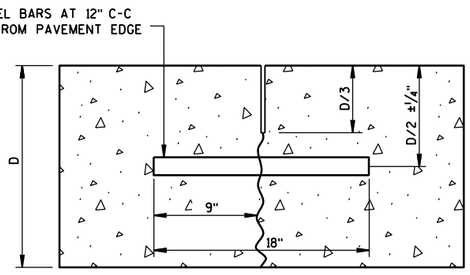
PAVEMENT DEPTH (D)	TIE BAR SIZE	TIE BAR LENGTH (L)	MAX. TIE BAR SPACING
< 10 1/2"	NO. 4	30"	36"
≥ 10 1/2"	NO. 5	36"	36"
	NO. 4*	30"	24"**

* SUBSTITUTE BENT BARS AT LONGITUDINAL JOINTS WHEN EQUIPMENT LIMITATIONS DURING CONSTRUCTION WARRANT (e.g. AUXILIARY LANES OR TURN LANES)

** CONFORM TO 15" MINUMUM SPACING FROM TRANSVERSE JOINTS; SPACING BETWEEN TIE BARS WILL BE 30" AT TRANSVERSE JOINTS.

GENERAL NOTES

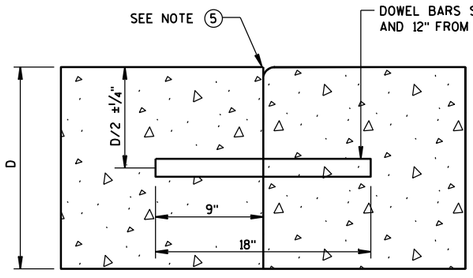
1. USE DOWELED EXPANSION JOINTS ON SIDE ROADS AT INTERSECTIONS (TO ISOLATE THE SIDE ROAD FROM THE THROUGH STREET) IF THE SIDE ROAD IS CONCRETE PAVEMENT AND GREATER THAN 300 FEET IN LENGTH.
2. SPACE CONTRACTION JOINTS IN ACCORDANCE WITH 13C4, 13C11 OR 13C13.
3. LOCATE CONSTRUCTION JOINTS A MINIMUM OF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



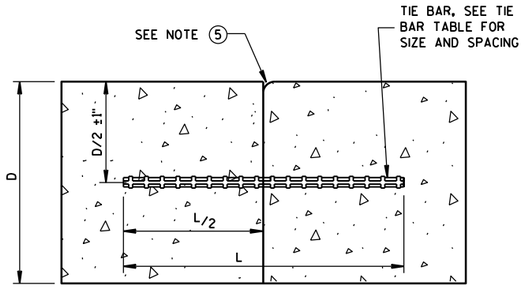
DOWELED-TRANSVERSE

CONTRACTION JOINTS

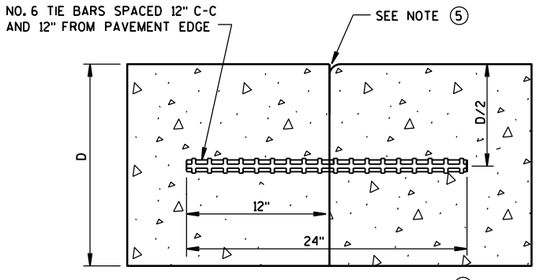
SEE NOTE (2)



DOWELED TRANSVERSE (3)

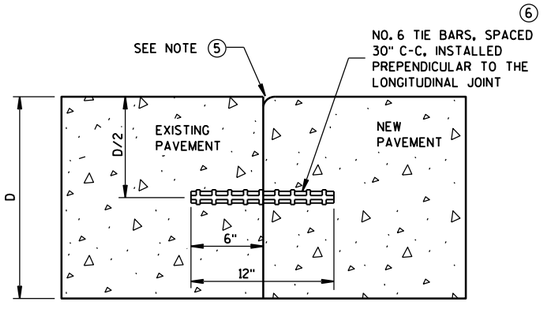


TIED LONGITUDINAL



TIED TRANSVERSE (3)

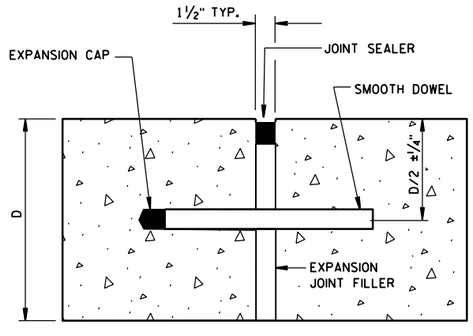
(FOR USE ON NON-DOWELED PAVEMENTS ONLY)



TIED LONGITUDINAL TO EXISTING

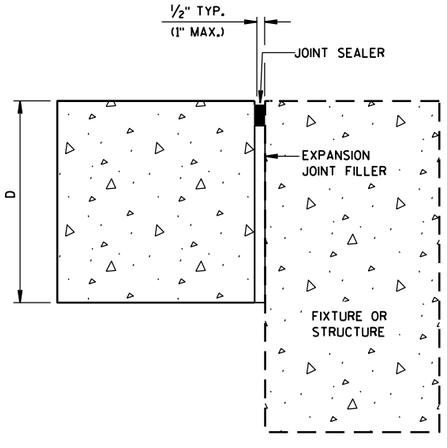
CONSTRUCTION JOINTS

SEE NOTE (4)



DOWELED-TRANSVERSE

SEE NOTE (1)



UNTIED-LONGITUDINAL

EXPANSION JOINTS

CONCRETE PAVEMENT
JOINT TYPES

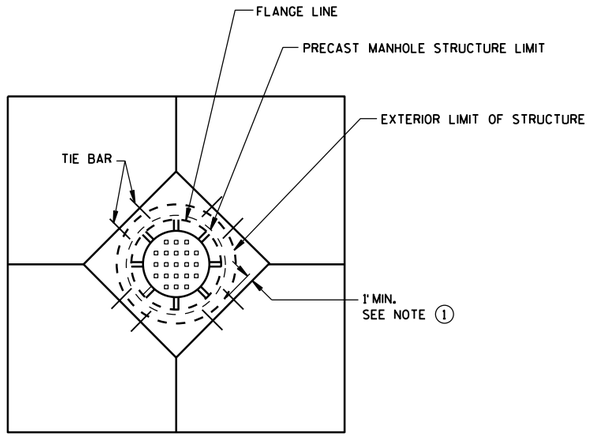
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI 441

6

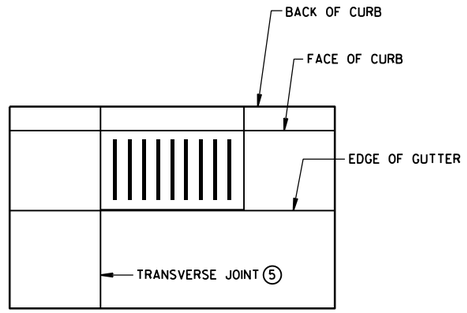
S.D.D. 13 C 18-5c

6

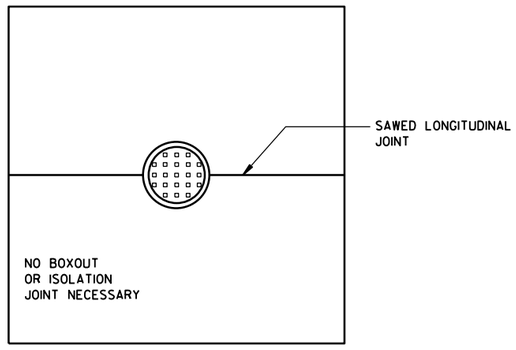
S.D.D. 13 C 18-5c



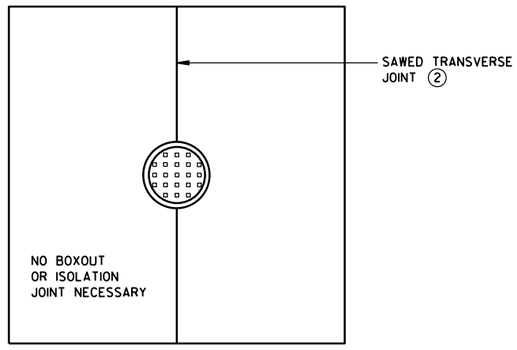
DIAGONAL MANHOLE BOXOUT FOR CONSTRUCTION JOINTS



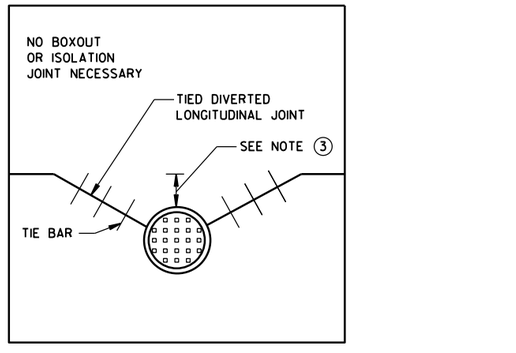
INLET WITH TRANSVERSE JOINT



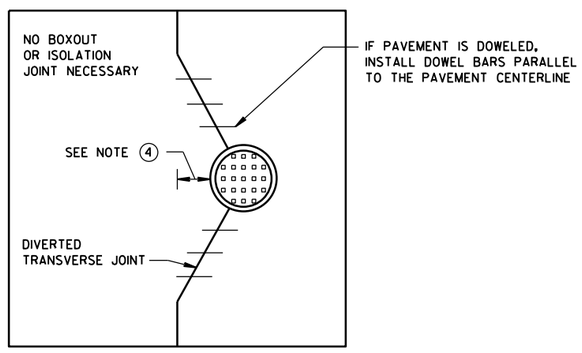
MANHOLE WITH LONGITUDINAL JOINT



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.

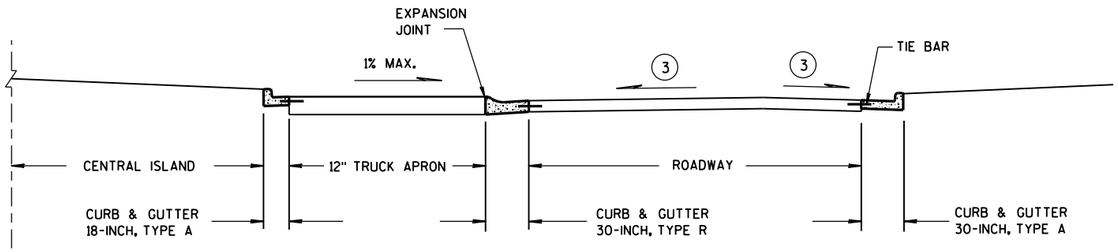
CONCRETE PAVEMENT JOINTING AT UTILITY FIXTURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

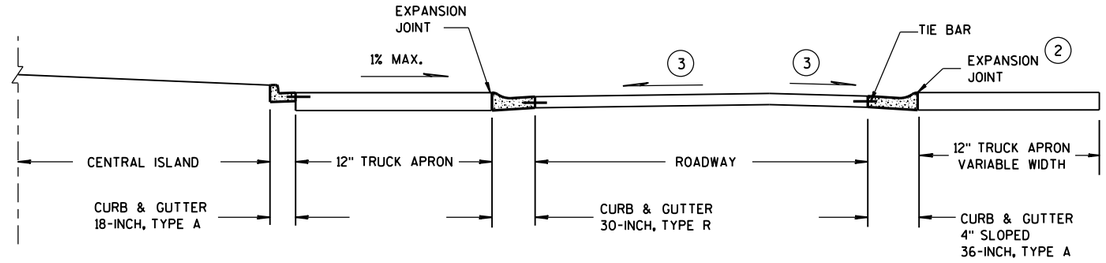
APPROVED
December, 2016 /S/ Peter Kemp, P.E.
DATE PAVEMENT SUPEF
FHWA

6

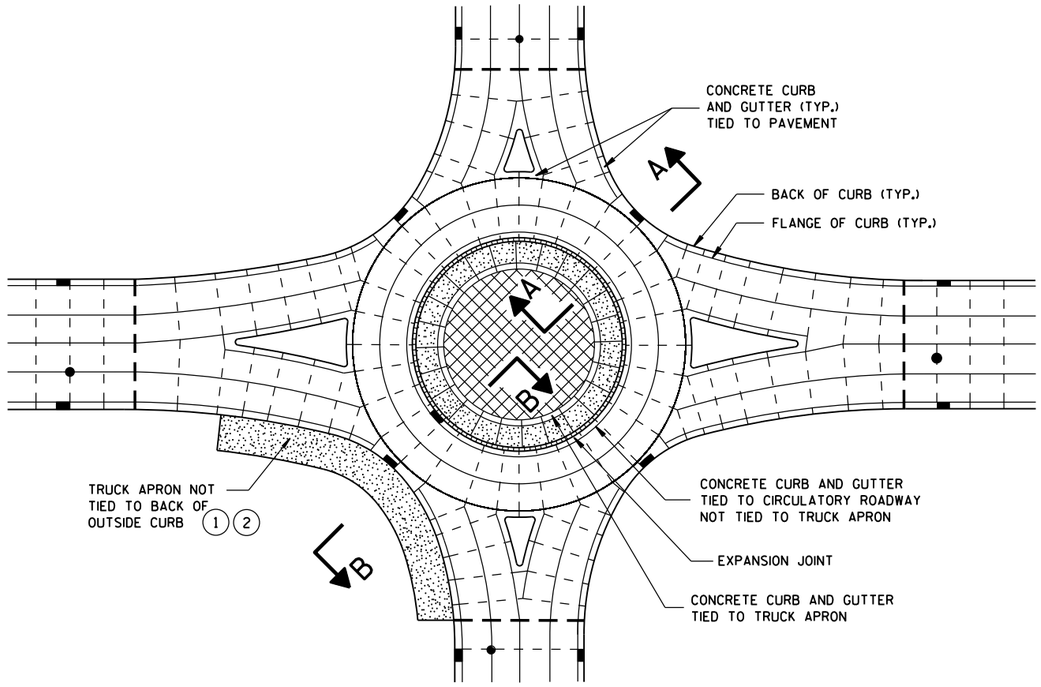
S.D.D. 13 C 18-5d



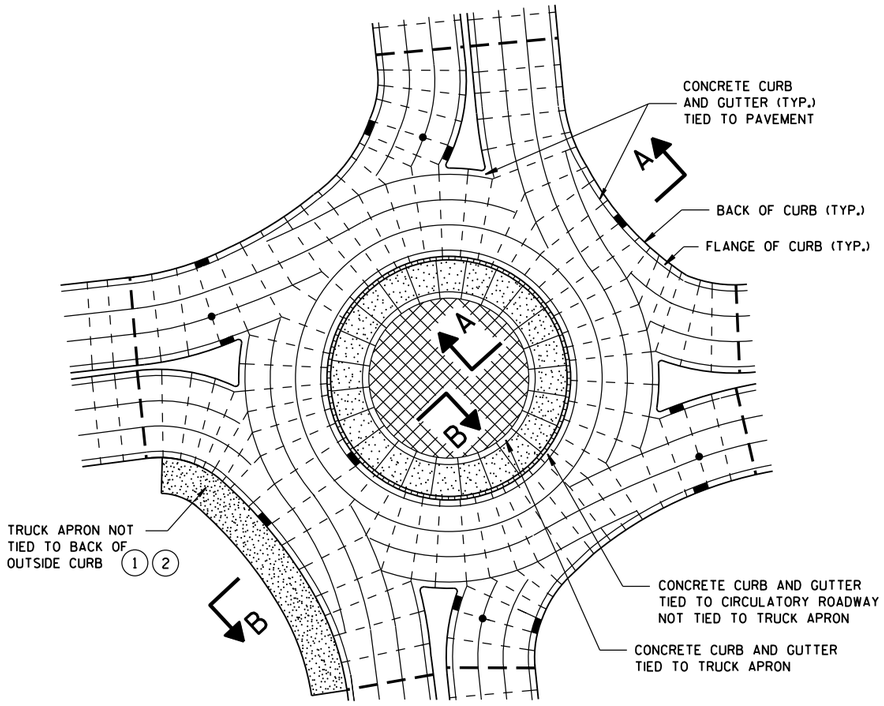
SECTION A-A



SECTION B-B



ISOLATED CIRCLE JOINT LAYOUT FOR ROUNDABOUTS



PINWHEEL 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.

(1) DESIGNER DETERMINES SIZE AND LOCATION(S) OF TRUCK APRON TO ACCOMMODATE TRACKING OF OVERSIZE/OVERWEIGHT VEHICLES.

(2) TIE THE OUTSIDE TRUCK APRON TO THE BACK SIDE OF CURB ONLY WHEN ENTIRE TRUCK APRON WIDTH IS LESS THAN 3 FEET.

(3) CONFORM TO PLAN CONSTRUCTION DETAILS FOR CIRCULATORY ROADWAY CROSS SLOPE.

LEGEND

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

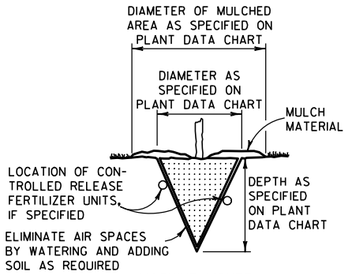
CONCRETE PAVEMENT JOINTING AND STEEL REINFORCEMENT IN ROUNDABOUTS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

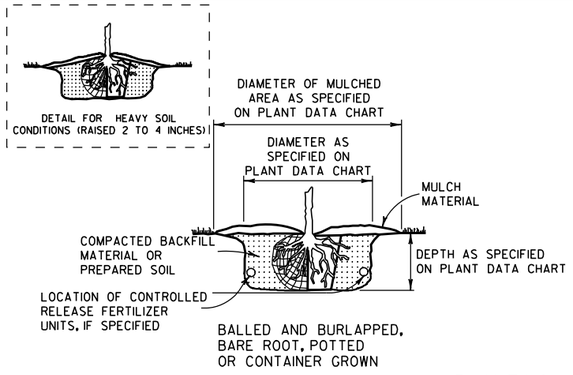
APPROVED
December, 2016 — DATE
/S/ Peter Kemp, P.E. — PAVEMENT SUPE
FHWA

6

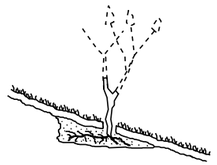
S.D.D. 13 C 18-5e



MACHINE MOVED

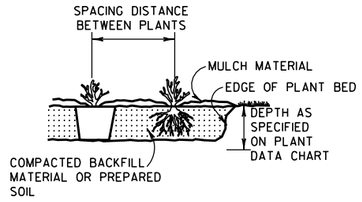


BALLED AND BURLAPPED, BARE ROOT, POTTED OR CONTAINER GROWN



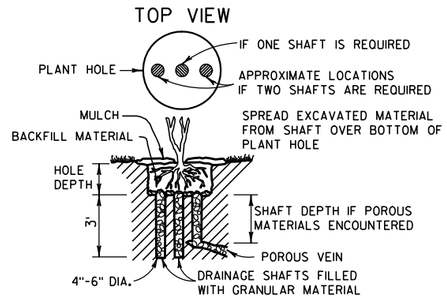
ACCOMMODATE ROOTS (SMOOTH AND STAGHORN SUMAC)

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



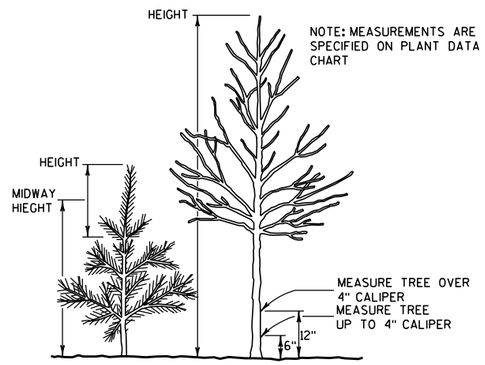
PREPARED BED (BARE ROOT AND POTTED)

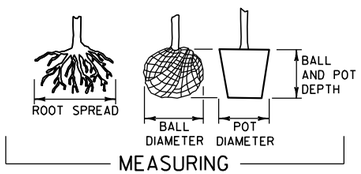
PLANTING



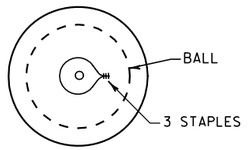
NOTE:
DRAINAGE SHAFT AS SPECIFIED ON PLANT DATA CHART

DRAINING

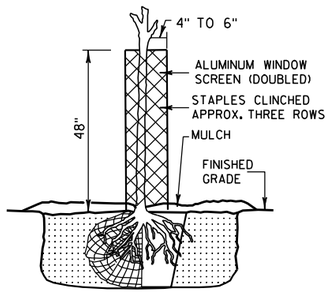




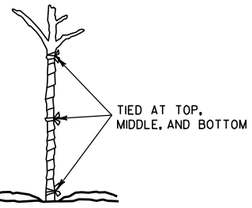
MEASURING



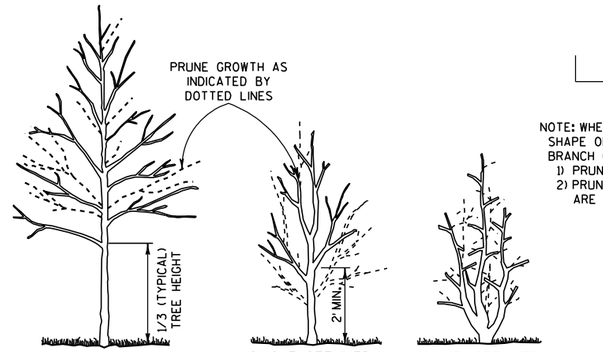
TOP VIEW



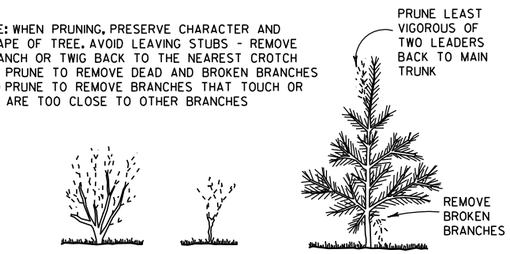
RODENT PROTECTION



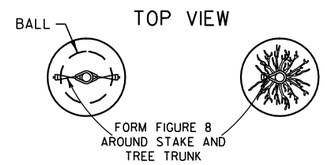
WRAPPING



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

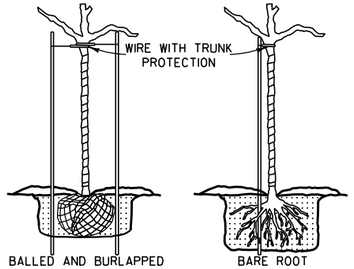


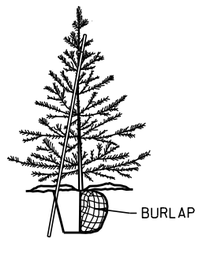
PRUNING



TOP VIEW

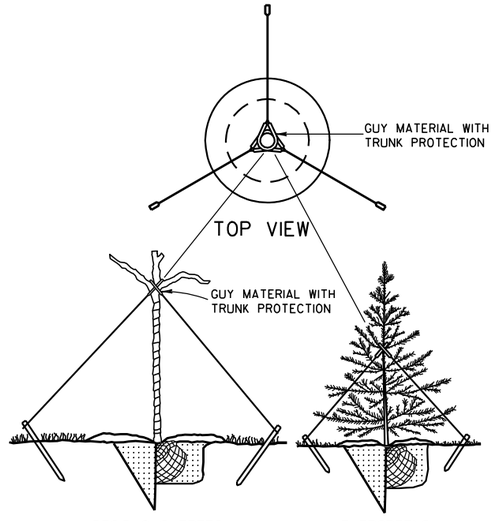
TOP VIEW





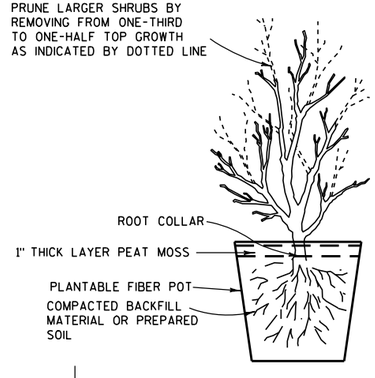
NOTE: BRACING STAKE
1) SHALL BE DRIVEN INTO THE GROUND AS CLOSE TO THE TREE AS POSSIBLE WITHOUT DAMAGING THE BRANCHES.
2) MAY BE DRIVEN AT SUCH AN ANGLE THAT IT DOES NOT PENETRATE THE BALL OR POT.
3) SHALL NOT PROTRUDE ABOVE THE TOP OF THE TREE; AND
4) SHALL HAVE A HOLE NEAR THE TOP TO HOLD THE WIRE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

BRACING



GUYING

PRUNE LARGER SHRUBS BY REMOVING FROM ONE-THIRD TO ONE-HALF TOP GROWTH AS INDICATED BY DOTTED LINE



POTTING

NOTES

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

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

TREE PLANTING DETAIL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
4/11/94 — DATE
/S/ Rory L. Rhinesmith — CHIEF METHODS DEVELOPMENT ENGINEER
FHWA

444

6

S.D.D. 14 A 2-1

6

S.D.D. 14 A 2-1

GENERAL NOTES

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

DO NOT MIX STEEL POSTS AND WOOD POSTS IN A SINGLE INSTALLATION.

(2) USE STRUCTURAL STEEL POSTS CONFORMING TO ASTM A 36. GALVANIZED POSTS ACCORDING TO AASHTO M 111. EITHER SET THE POSTS IN DRILLED HOLES OR DRIVE TO GRADE. REMOVE MUSHROOMING CAUSED BY DRIVING AND REPAIR DAMAGED SPELTER COATING ON GALVANIZED POSTS.

(3) INSTALL STEEL POSTS WITH HOLES ON APPROACHING TRAFFIC SIDE.

(4) USE EITHER WOOD OR APPROVED PLASTIC BLOCKOUTS ON WOOD POSTS.

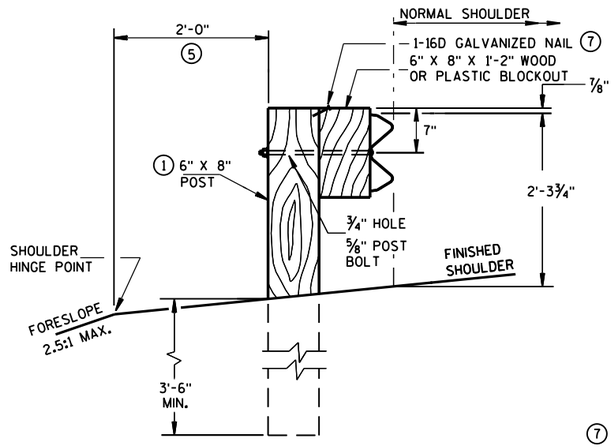
(5) IF THE DISTANCE FROM BACK OF POST TO SHOULDER HINGE POINT IS LESS THAN 2 FEET INSTALL LONGER POST AT HALF POST SPACING, W BEAM (LHW).

(6) IF ROCK IS ENCOUNTERED DURING EXCAVATION, THE ENGINEER MAY APPROVE USING A 12 INCH DIAMETER POST HOLE EXTENDING 20 INCHES DEEP INTO THE ROCK. PLACE GRANULAR MATERIAL IN THE BOTTOM OF THE HOLE APPROXIMATELY 2½ INCHES DEEP. CUT THE POSTS TO LENGTH AND PLACE IN YHE HOLE. BACKFILL WITH MATERIAL EXCAVATED FROM THE HOLE AND COMPACT ADEQUATEY.

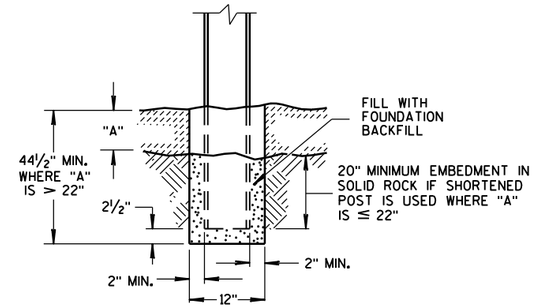
(7) WHEN USING STEEL POSTS AND WOOD BLOCKOUTS INSTALL FOUR 16D GALVANIZED NAILS. INSTALL NAILS AT THE BACK CORNERS OF THE BLOCK AND BEND THE NAILS OVER THE FLANGE OF THE STEEL POST.

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

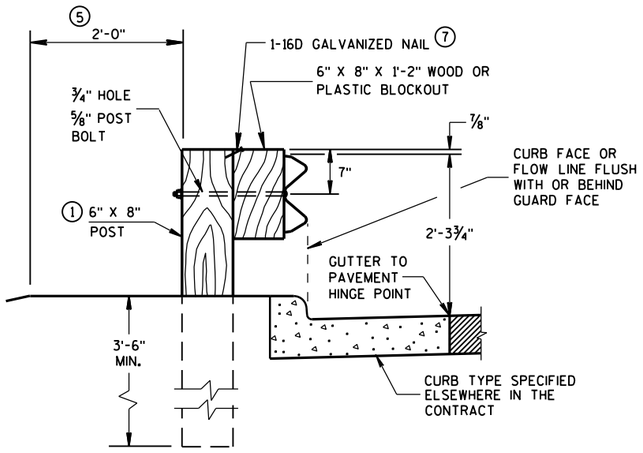
ALL DIMENSIONS ARE SUBJECT TO MANUFACTURER'S TOLERANCES EXCEPT WHERE ALLOWABLE TOLERANCES ARE SHOWN.



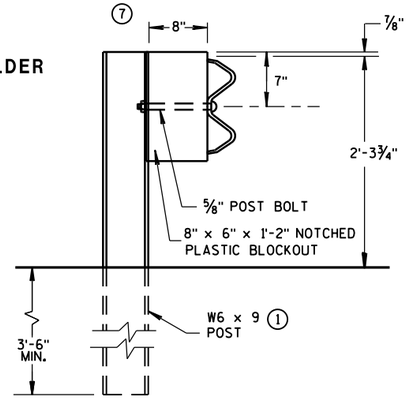
END VIEW
LOCATED ALONG A ROADWAY SHOULDER
STANDARD INSTALLATION



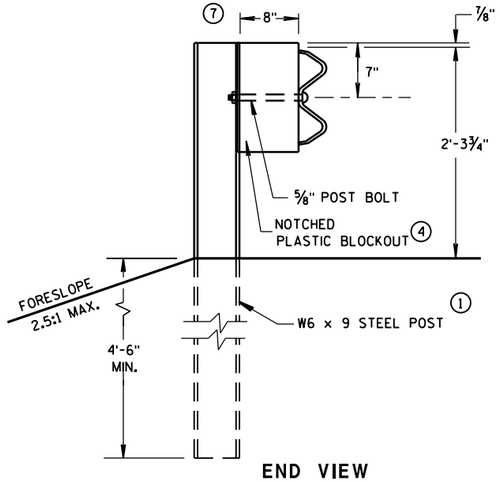
END VIEW
SETTING STEEL OR WOOD POST IN ROCK (6)



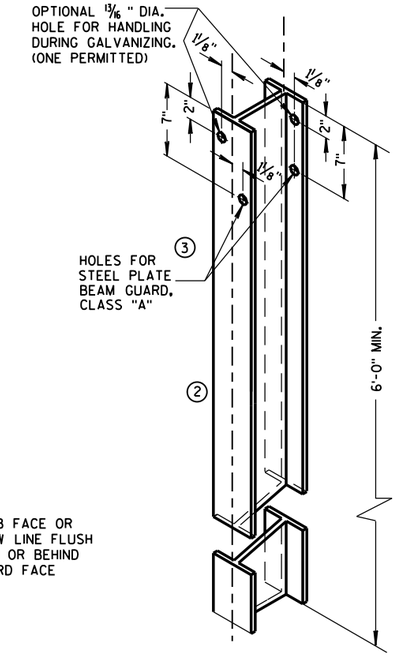
END VIEW
LOCATED ALONG A CURBED ROADWAY



END VIEW
STEEL POST & NOTCHED
PLASTIC BLOCKOUT ALTERNATIVE
STANDARD INSTALLATION

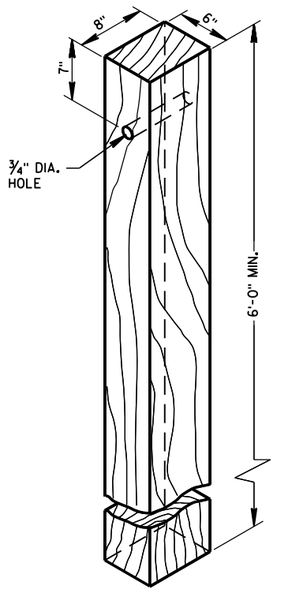


END VIEW
LONGER POST AT HALF
POST SPACING W BEAM
(LHW)

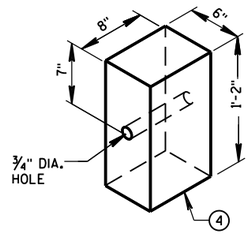


STEEL POST &
HOLE PUNCHING DETAIL
(W6 X 9) (1)

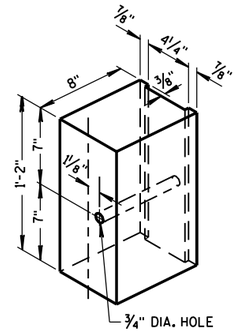
ALL HOLES 13/16" DIAMETER EXCEPT AS NOTED



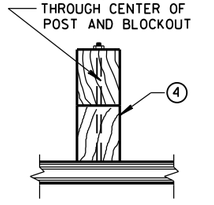
WOOD POST
(6"X8") NOMINAL



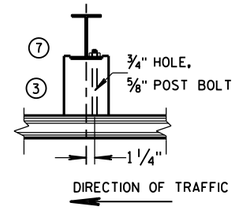
WOOD OR PLASTIC
BLOCKOUT FOR
WOOD POSTS



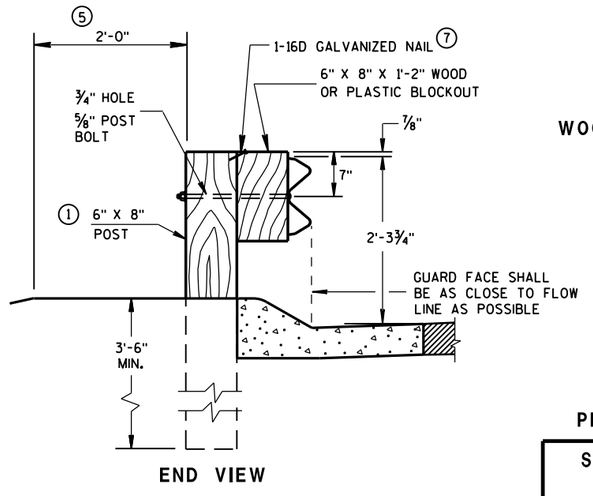
TYPICAL NOTCHED (1)
PLASTIC BLOCKOUT
FOR STEEL POSTS



PLAN VIEW
WOOD POST, BLOCKOUT & BEAM



PLAN VIEW
STEEL POST, NOTCHED
PLASTIC BLOCKOUT & BEAM



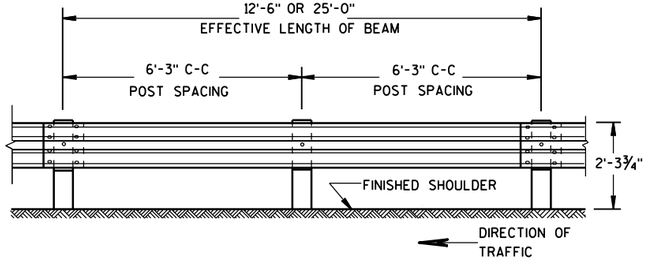
END VIEW
LOCATED ALONG A
MOUNTABLE CURBED ROADWAY

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

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR 445

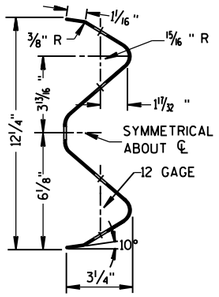
TYPICAL INSTALLATION OF STEEL PLATE BEAM GUARD

6
S.D.D. 14 B 15-10a

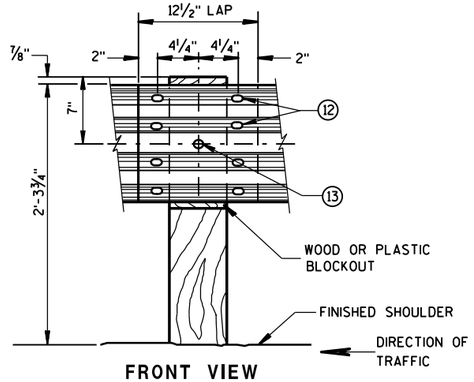


FRONT VIEW

POST SPACING STANDARD INSTALLATION



SECTION THRU W BEAM



FRONT VIEW

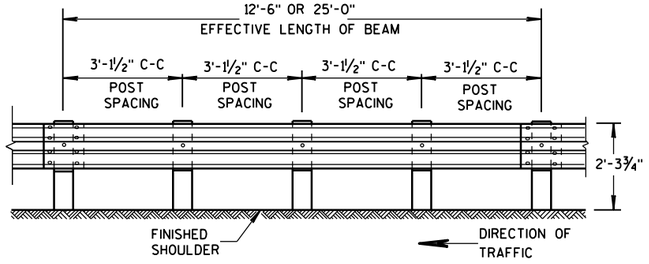
BEAM SPLICE AT WOOD POST AND POST MOUNTING DETAIL

GENERAL NOTES

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

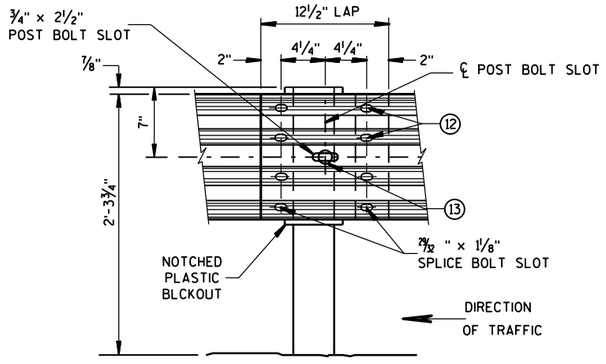
(12) 8 -⅝" ϕ X 2" BUTTON HEAD BOLTS WITH OVAL SHOULDERS & RECESS NUTS.

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



FRONT VIEW

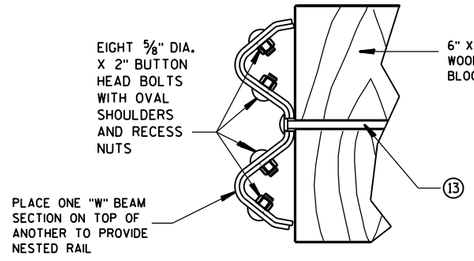
POST SPACING FOR LONGER POST AT HALF POST SPACING W BEAM (LHW)



FRONT VIEW

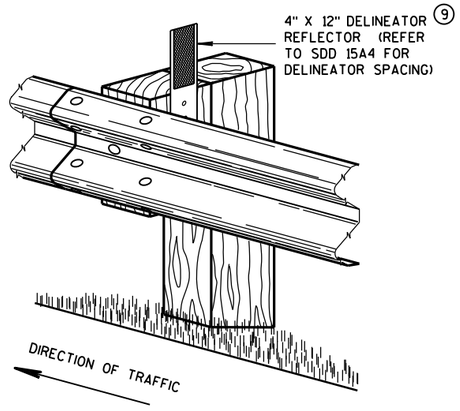
BEAM SPLICE AT STEEL POST

TYPICAL SPLICING DETAILS OF STEEL PLATE BEAM GUARD



NESTED W BEAM (NW)

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



ONE SIDED REFLECTOR DETAIL AND TYPICAL INSTALLATION

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

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

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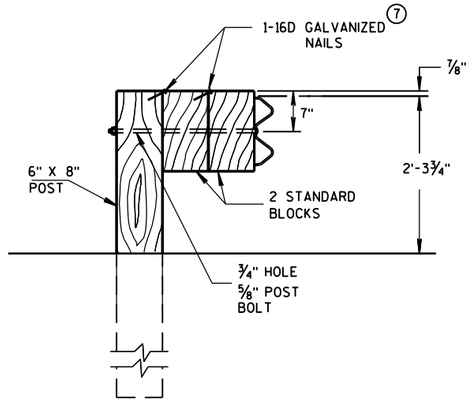
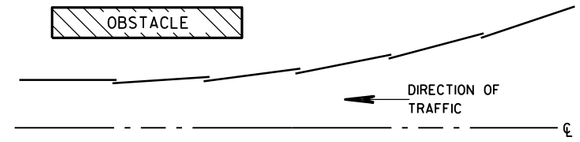
S.D.D. 14 B 15-10b

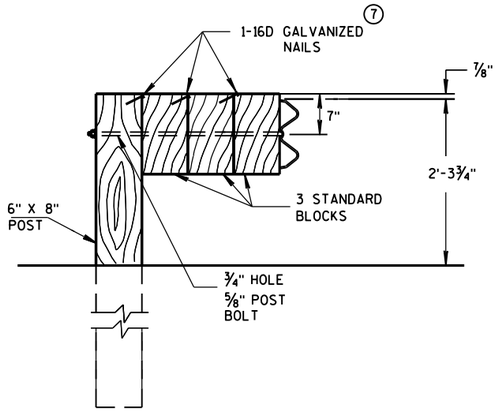


DETAIL FOR DOUBLE BLOCKS

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

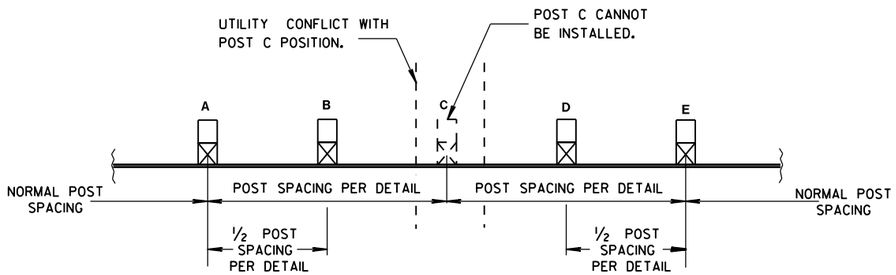


PLAN VIEW
BEAM LAPPING DETAIL



DETAIL FOR TRIPLE BLOCKS

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



POST DRIVING FOR CONTINUOUS UNDERGROUND OBSTRUCTION

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

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

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

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June 2017 — DATE
/S/ Rodney Taylor
ROADWAY STANDARDS D UNIT SUPERVI
FHWA

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S.D.D. 14 B 15-10c

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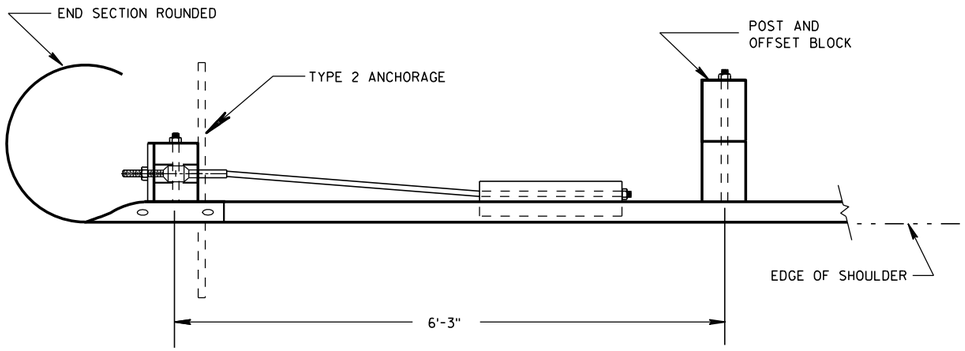
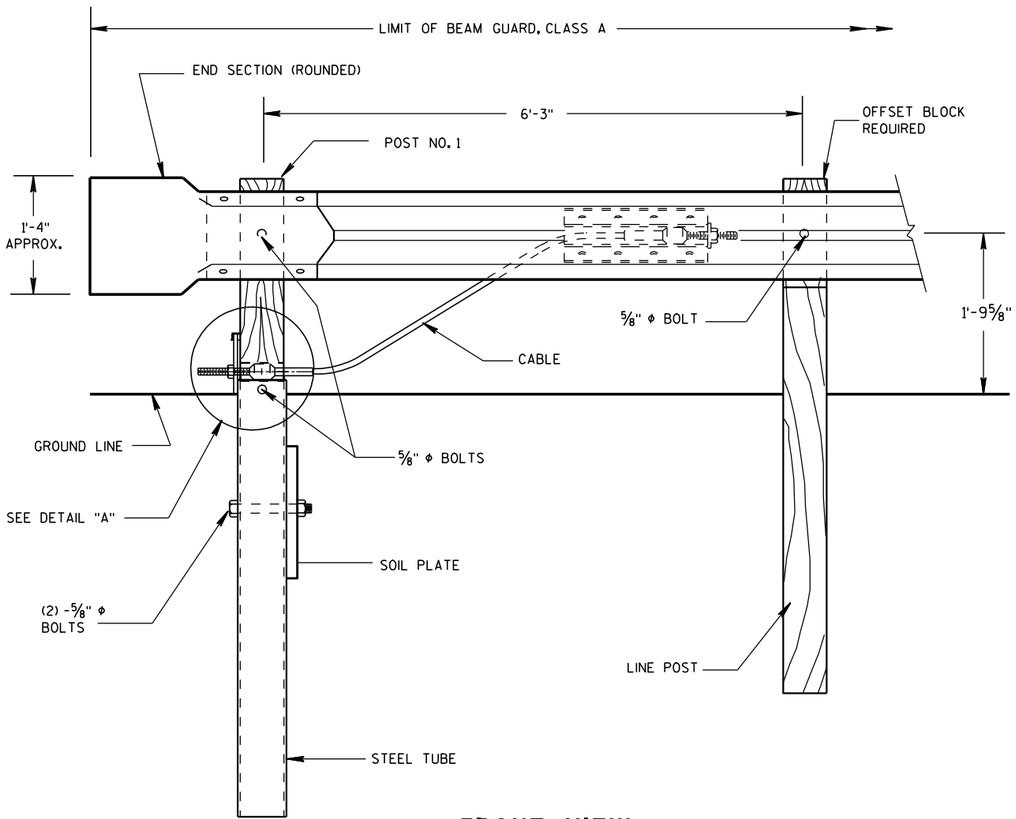
S.D.D. 14 B 15-10c



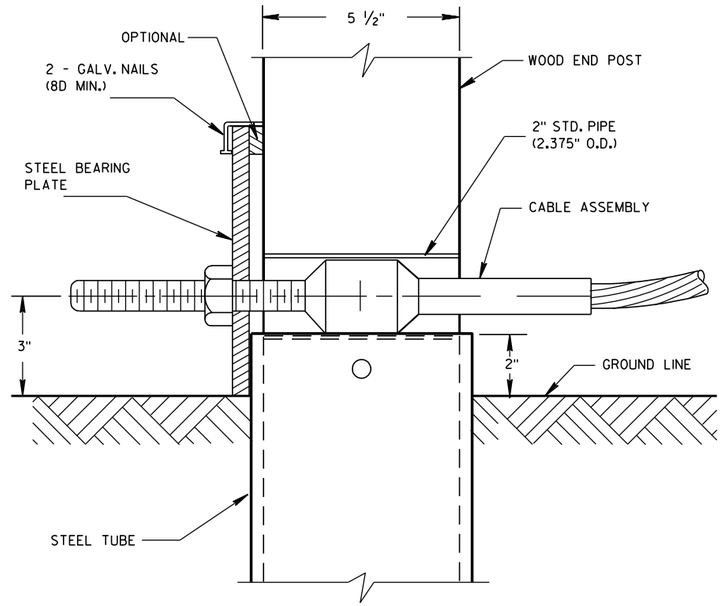
PLAN VIEW



FRONT VIEW

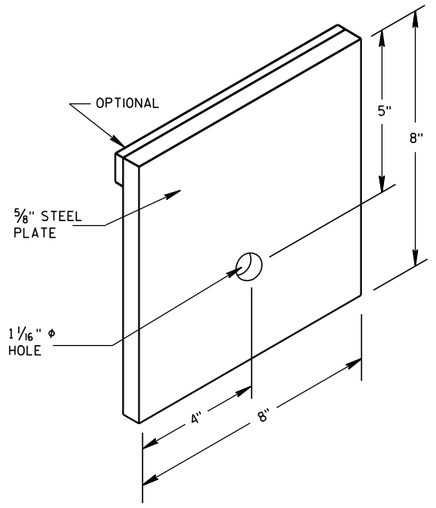
END TREATMENT WITH TYPE 2 ANCHORAGE

(USE ON ONE-WAY ROADWAYS ONLY - DEPARTING END)



DETAIL "A"

POST NO. 1



STEEL BEARING PLATE

ANCHORAGE FOR STEEL
PLATE BEAM GUARD
TYPE 2

STATE OF WISCONSIN
DEPARTMENT OF TRANSPO.....T

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S.D.D. 14 B 16-4a

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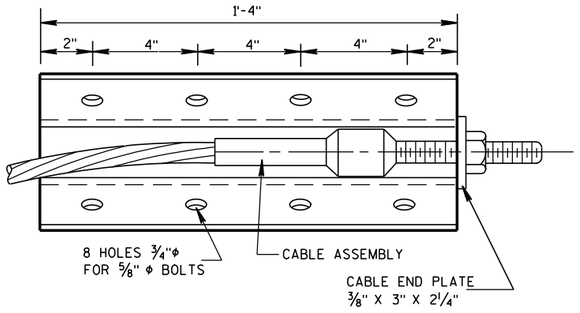
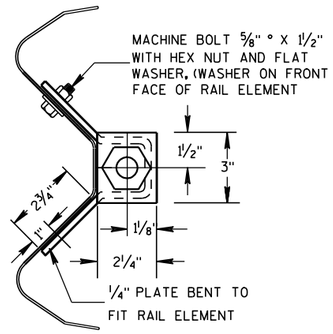
S.D.D. 14 B 16-4a

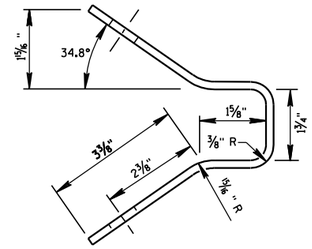


FRONT VIEW

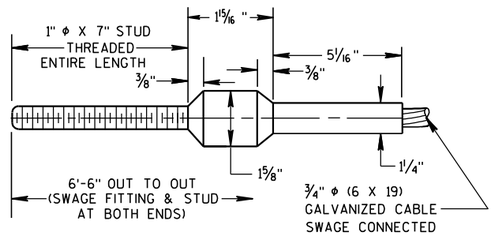


END VIEW

ANCHOR PLATE DETAIL



END VIEW OF BRACKET



CABLE ASSEMBLY

CABLE, SWAGE FITTING, STUD AND NUT SHALL DEVELOP
A MINIMUM BREAKING STRENGTH OF 40,000 LB
(TIGHTEN UNTIL TAUT)

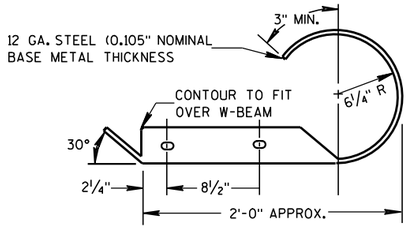
GENERAL NOTES

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

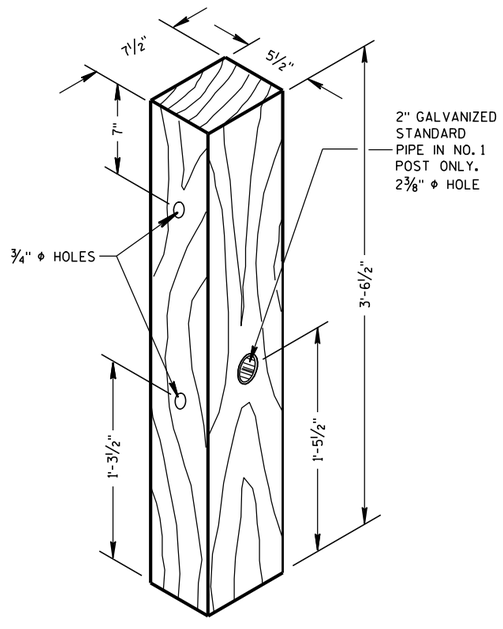
STRUCTURAL TUBING SHALL CONFORM TO THE REQUIREMENTS OF ASTM A-500 GRADE B OR ASTM A-501.

POST NO. 1 SHALL BE WOOD BREAKAWAY POST INSERTED AND BOLTED INTO STEEL TUBE.

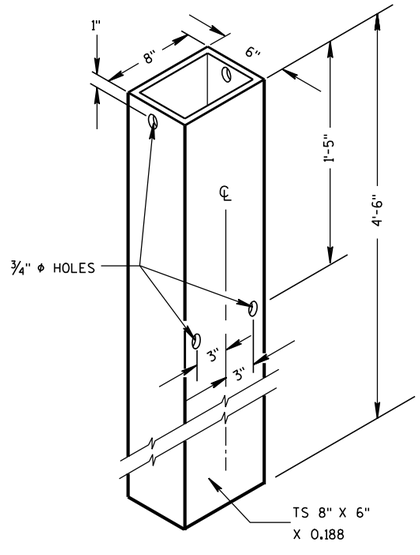
TYPE 2 ANCHORAGE SHALL CONSIST OF A STEEL TUBE, SOIL PLATE WOOD BREAKAWAY POST, BEARING PLATE, ANCHOR PLATE, CABLE ASSEMBLY AND ALL ASSOCIATED HARDWARE, ALL STEEL PARTS SHALL BE GALVANIZED.



PLAN VIEW

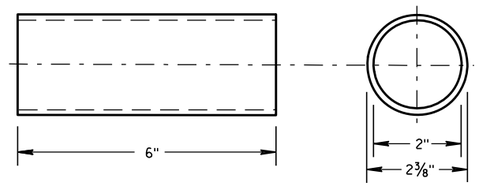


WOOD BREAKAWAY POST



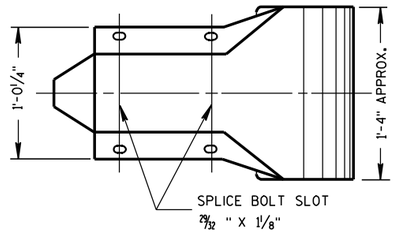
STEEL TUBE

STEEL TUBE SHALL CONFORM TO
REQUIREMENTS OF ASTM A500

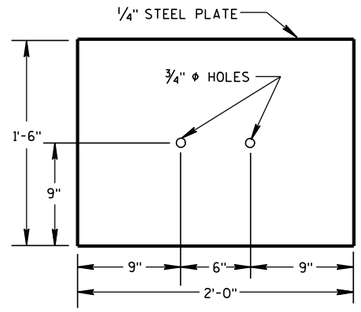


BREAKAWAY TERMINAL POST SLEEVE

GALVANIZED STANDARD STRENGTH STEEL PIPE, ASTM 53 GRADE "B"



FRONT VIEW
W BEAM END SECTION ROUNDED



SOIL PLATE

ANCHORAGE FOR STEEL
PLATE BEAM GUARD
TYPE 2

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
8/21/2007
DATE
/S/ Jerry H. [illegible]
ROADWAY STANDARDS ENGINEER
449
ENT
FHWA

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S.D.D. 14 B 16-4b

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S.D.D. 14 B 16-4b

BILL OF MATERIALS

NOTE NO.	DESCRIPTION
①	WOOD BREAKAWAY TERMINAL POST: 5½" X 7½" X 3'-9"
②	STEEL TUBE TS 8" X 6" X 0.188", 6'-0"
④	WOOD BREAKAWAY CRT POST: 6" X 8" X 6'-0"
⑤	WOOD OFFSET BLOCKS: 6' X 8" X 1'-2"
⑥	PIPE SLEEVE: 2" X 5 ½" STANDARD PIPE
⑦	BEARING PLATE
⑧	BCT CABLE ASSEMBLY
⑨	CABLE ANCHOR BOX
⑩	STRUT & YOKE
⑪	STEEL PLATE BEAM, END PANEL 12 GA.
⑫	STEEL PLATE BEAM: 12 GA. 13'-6½"
⑬	IMPACT HEAD
⑭	0.040" ALUMINUM SHEET WITH REFLECTIVE SHEETING TYPE F PER SECTION 637 OF THE STANDARD SPECIFICATIONS

GENERAL NOTES

FOLLOW MANUFACTURE'S BOLTING RECOMMENDATIONS.

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

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

(D) THE TOP OF THE STEEL TUBE ON POSTS 1 AND 2 SHALL NOT BE MORE THAN 3" ABOVE THE FINISH GROUND ELEVATION.

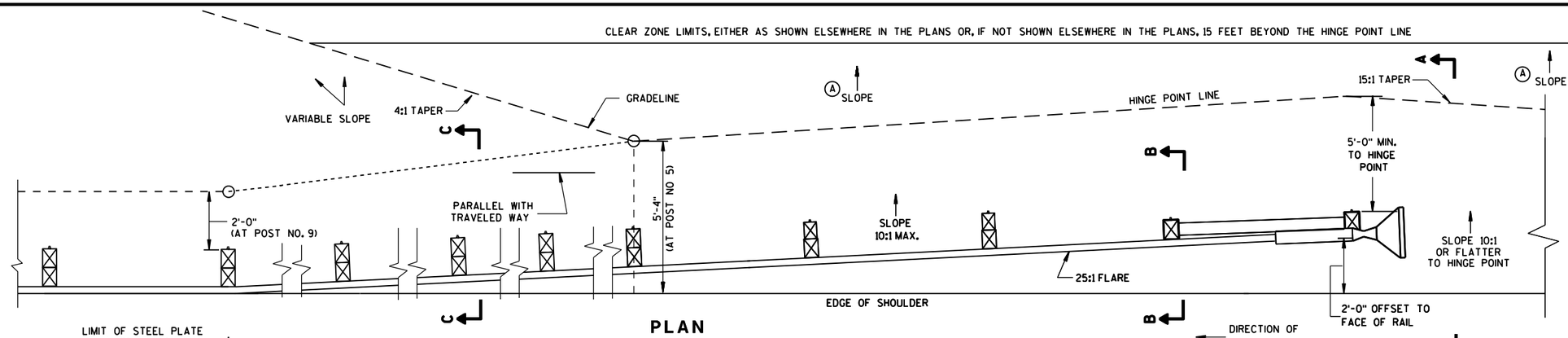
(E) THE CENTER OF THE UPPER 3½" DIAMETER HOLE ON POST 3 THROUGH 8 SHALL BE ¾" ABOVE THE FINISHED GROUND LINE.

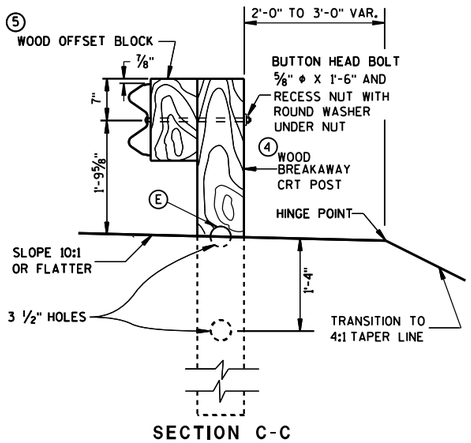
(F) ATTACH ALUMINUM SHEET TO E.A.T. HEAD USING 4 STAINLESS STEEL SELF-TAPPING SCREWS. ONE SCREW PER CORNER.

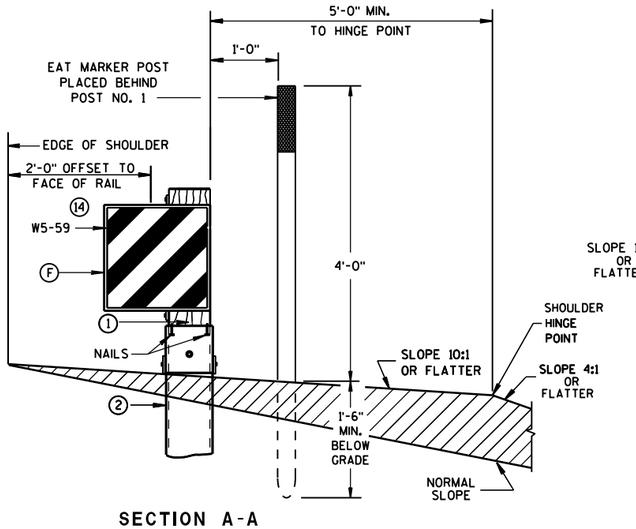
STEEL POSTS SHALL NOT BE ALLOWED FOR USE WITH ENERGY ABSORBING TERMINALS.

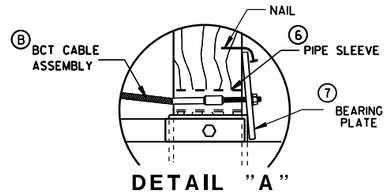
DO NOT INSTALL REFLECTORS ON THE FIRST 50 FEET OF THE APPROACH END OF THE ENERGY ABSORBING TERMINAL.

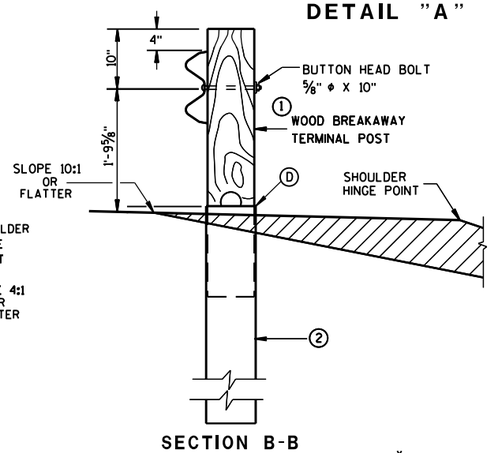
* DO NOT ATTACH BLOCKOUTS TO POSTS 1 AND 2.

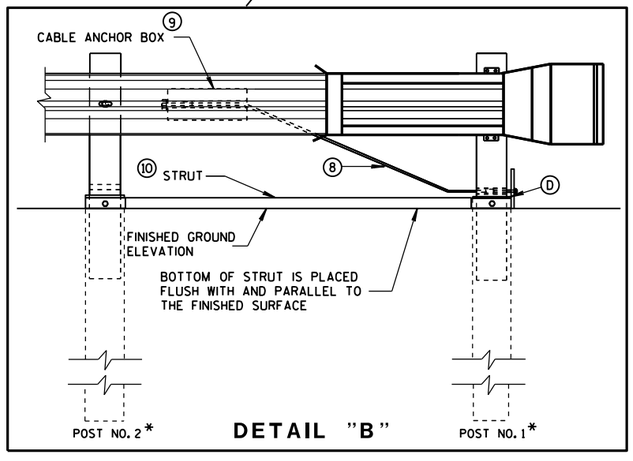










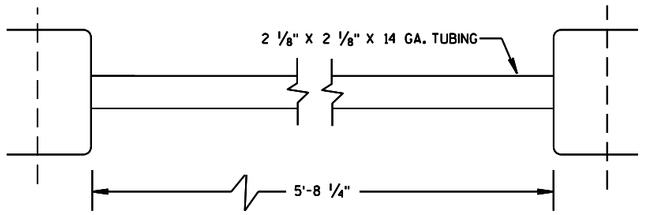


STEEL PLATE BEAM GUARD ENERGY ABSORBING TERMINAL

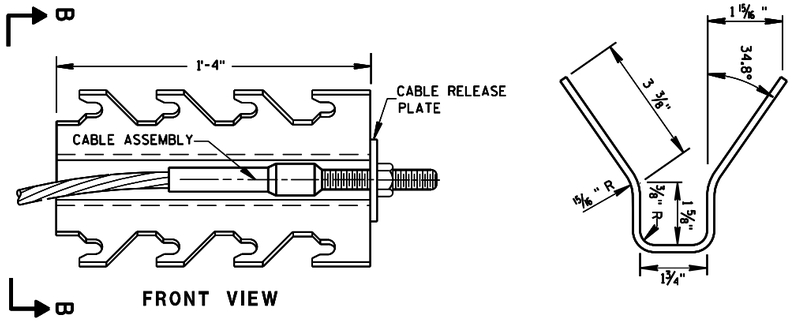
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR

6

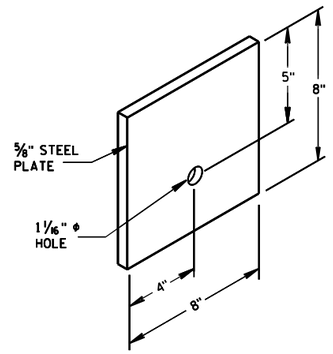
S.D.D. 14 B 24-9a



⑩ STRUT DETAIL



⑨ CABLE ANCHOR BOX



⑦ STEEL BEARING PLATE

6

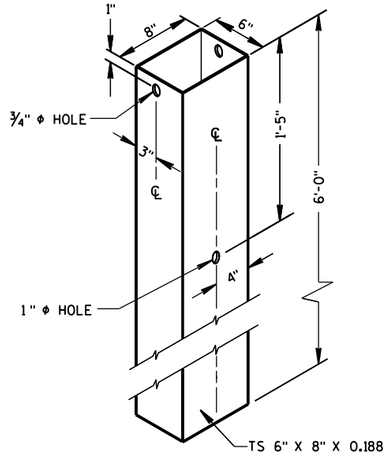
6

S.D.D. 14 B 24-9b

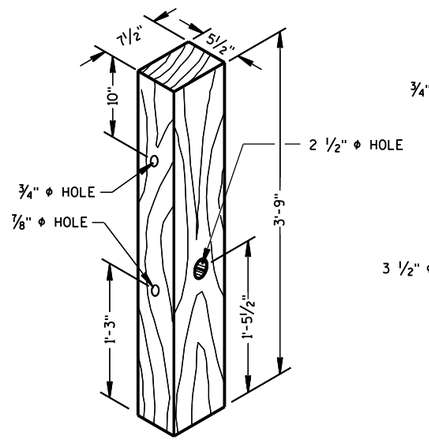
S.D.D. 14 B 24-9b

STEEL PLATE BEAM GUARD
ENERGY ABSORBING TERMINAL

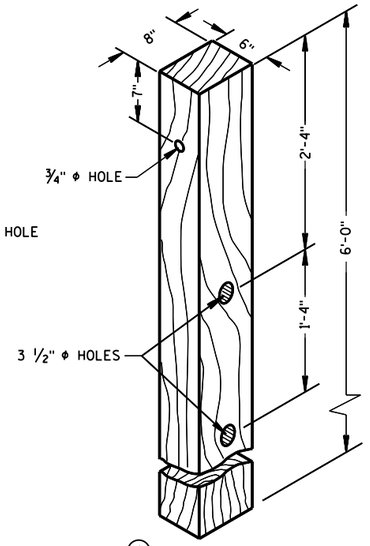
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI



② 72" STEEL TUBE
(POSTS NO. 1-4



① TERMINAL POST

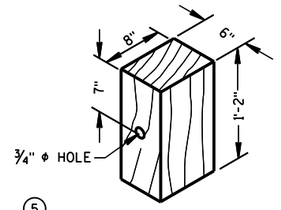


④ CRT POST
(POSTS NO'S 5-8)

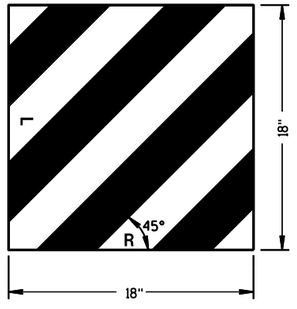
WOOD BREAKAWAY POSTS

GENERAL NOTES

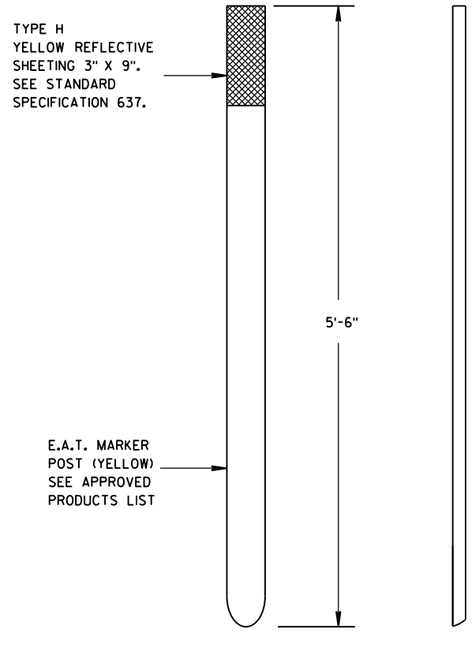
WHEN ROCK IS ENCOUNTERED DURING EXCAVATION, A 12 INCH DIA. POST HOLE EXTENDING 20 INCHES DEEP INTO THE ROCK MAY BE USED IF APPROVED BY THE ENGINEER. GRANULAR MATERIAL SHALL BE PLACED IN THE BOTTOM OF THE HOLE APPROXIMATELY 2 ½" INCHES DEEP TO PROVIDE DRAINAGE. THE SOIL TUBES SHALL BE FIELD CUT TO LENGTH,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



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



⑭ REFLECTIVE SHEETING DETAILS



E.A.T. MARKER POST

STEEL PLATE BEAM GUARD
ENERGY ABSORBING TERMINAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June 2017
DATE
FHWA

/S/ Rodney Taylor
ROADWAY STANDARDS UNIT SUPERV...

452

ENT

6

S.D.D. 14 B 24-9c

6

S.D.D. 14 B 24-9c

(1) WOOD OR STEEL POSTS (w6X9 OR w6X8.5) MAY BE USED. DO NOT INTERMIX WOOD AND STEEL POSTS. INSTALL STEEL POSTS WITH HOLES ON APPROACHING TRAFFIC SIDE.

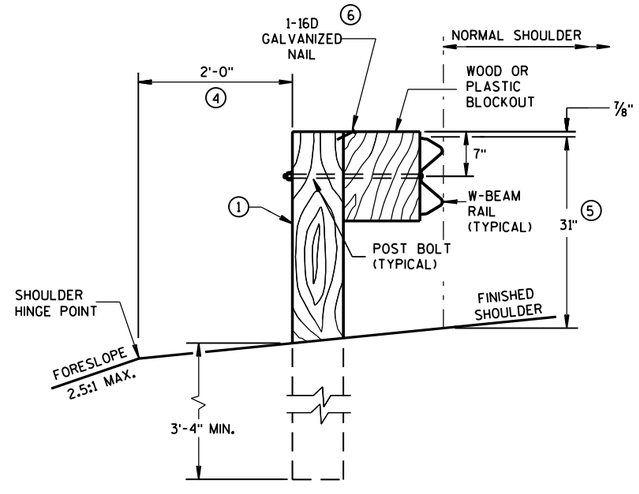
(2) USE WOOD OR APPROVED PLASTIC BLOCKOUTS. WOOD BLOCKOUTS MAY BE CONSTRUCTED OUT OF TWO OR MORE WOOD BLOCKOUTS. SEE ALTERNATE WOOD BLOCKOUT DETAIL. DIMENSIONS OF APPROVED PLASTIC BLOCKOUTS MAY VARY.

(3) IF ROCK IS ENCOUNTERED DURING EXCAVATION, PROVIDE A HOLE 12 INCHES IN DIAMETER EXTENDING 20 INCHES DEEP INTO THE ROCK. PLACE APPROXIMATELY 2½ INCHES OF GRANULAR MATERIAL IN THE BOTTOM OF THE HOLE. CUT THE POSTS THE TO LENGTH AMD INSTALL. BACKFILL WITH EXCAVATED MATERIAL AND COMPACT. BACKFILL IS TO BE FREE OF LARGE ROCKS.

(4) WHEN THE DISTANCE FROM BACK OF POST TO SHOULDER HINGE POINT IS LESS THAN 2 FEET INSTALL LONGER POST AT HALF POST SPACING (K).

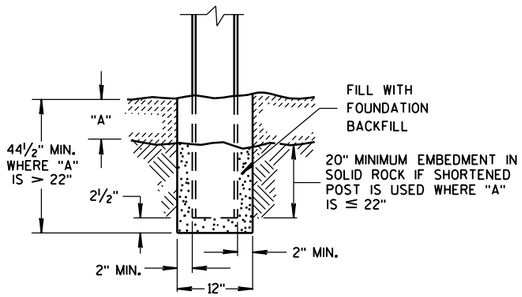
(5) FOR NEW MGS INSTALLATION TOP OF W-BEAM RAIL TOLERANCE IS ± 1". FOR EXISTING MGS INSTALLATION TOP OF W-BEAM IS BETWEEN 27¾" TO 32".

(6) WHEN USING STEEL POST AND WOOD BLOCKOUTS INSTALL FOUR 16D GALVANIZED NAILS. INSTALL NAILS AT THE BACK CORNERS OF THE BLOCK AND BEND THE NAILS OVER THE FLANGE OF THE STEEL POST.



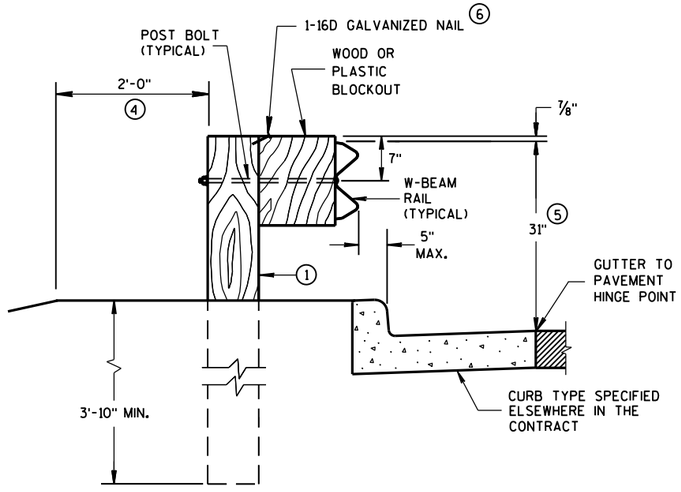
END VIEW

LOCATED ALONG A ROADWAY SHOULDER
STANDARD INSTALLATION



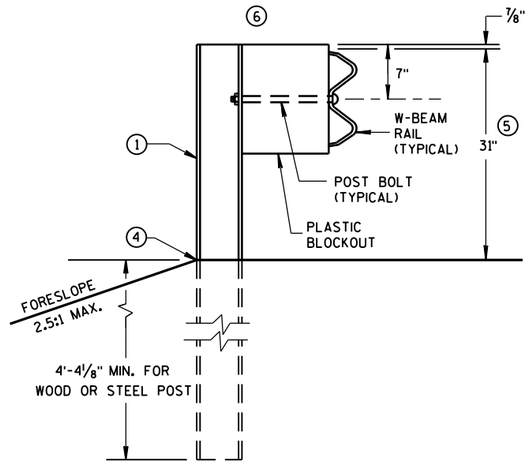
END VIEW

SETTING STEEL OR WOOD POST IN ROCK (3)



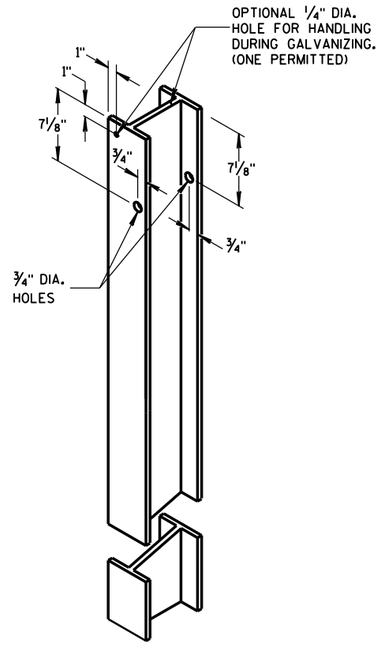
END VIEW

LOCATED ALONG A CURBED ROADWAY

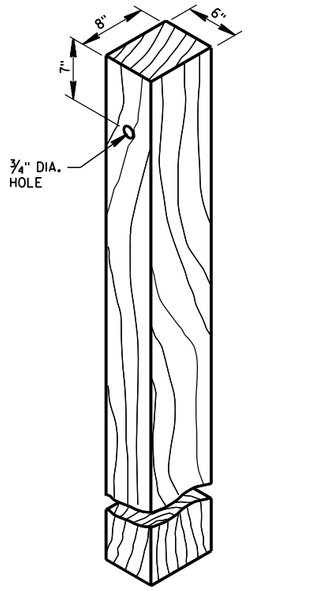


END VIEW

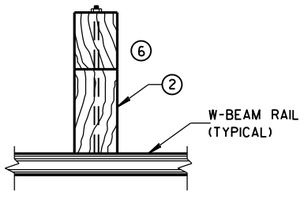
MGS LONGER POST AT HALFPOST SPACING W BEAM (K)



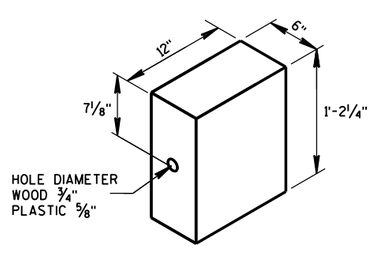
STEEL POST &
HOLE PUNCHING DETAIL
(w6X9) (1)



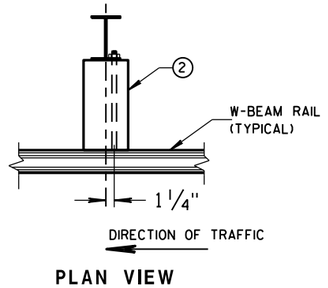
WOOD POST
(6" X 8") NOMINAL (1)



PLAN VIEW
WOOD POST,
BLOCKOUT & BEAM



WOOD OR
PLASTIC BLOCKOUT (2)



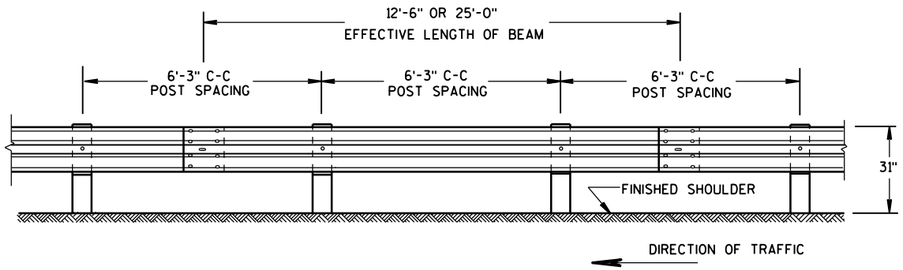
PLAN VIEW
STEEL POST,
PLASTIC BLOCKOUT & BEAM

MIDWEST GUARDRAIL SYSTEM
(MGS) GUARDRAIL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

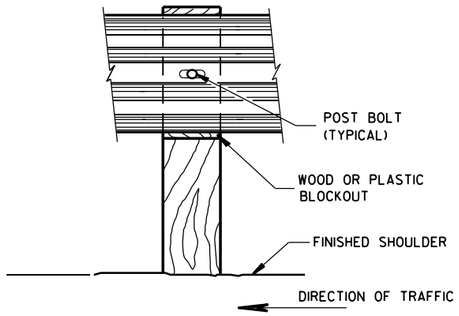
6

S.D.D. 14 B 42-5a



FRONT VIEW

POST SPACING STANDARD INSTALLATION



FRONT VIEW AT WOOD POST

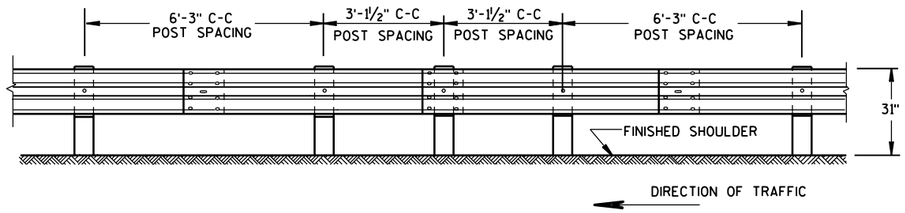
GENERAL NOTES

(8) DO NOT INSTALL REFLECTORS ON THE FIRST 50 FEET OF THE APPROACH END OF THE ENERGY ABSORBING TERMINAL. RAIL SPLICE LOCATIONS ARE THE ONLY ACCEPTABLE LOCATIONS FOR REFLECTORS.

(11) 25 FEET OF HALF POST SPACING IS REQUIRED ON APPROACH AND DEPARTURE ENDS OF QUARTER POST SPACING.

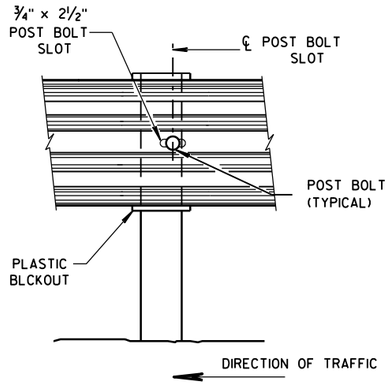
POST BOLTS ARE A 5/8" DIAMETER ASTM A307 GUARDRAIL BOLT. A POST BOLT REQUIRES 5/8" DIAMETER A563A DOUBLE RECESSED (DR) HEAVY HEX NUT AND 5/8" DIAMETER F844 FLAT WASHER. POST BOLTS MAY BE LONGER IF MULTIPLE BLOCKOUTS ARE BEING USED.

GUARD RAIL SPLICE BOLTS ARE A 5/8" DIAMETER ASTM A307 GUARDRAIL HEAD BOLT. A GUARDRAIL SPLICE BOLT REQUIRES 5/8" DIAMETER A563A DOUBLE RECESSED (DR) HEAVY HEX NUT.

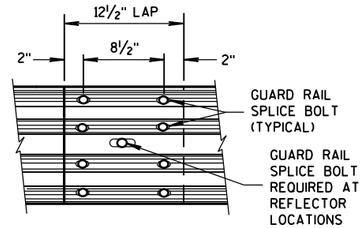


FRONT VIEW

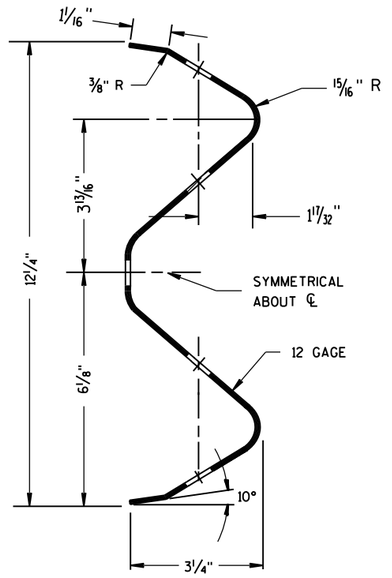
HALF POST SPACING (HS) AND HALF POST SPACING WITH LONGER POSTS (K)



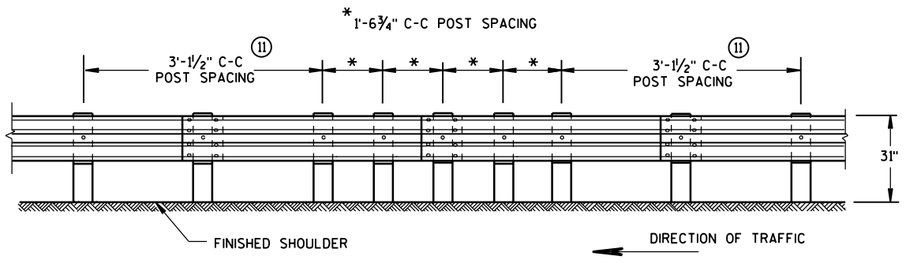
FRONT VIEW AT STEEL POST



FRONT VIEW
MID-SPAN BEAM SPLICE

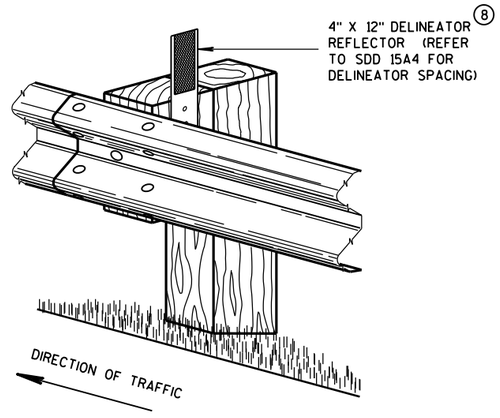


SECTION THRU W-BEAM RAIL



FRONT VIEW

QUARTER POST SPACING (QS)



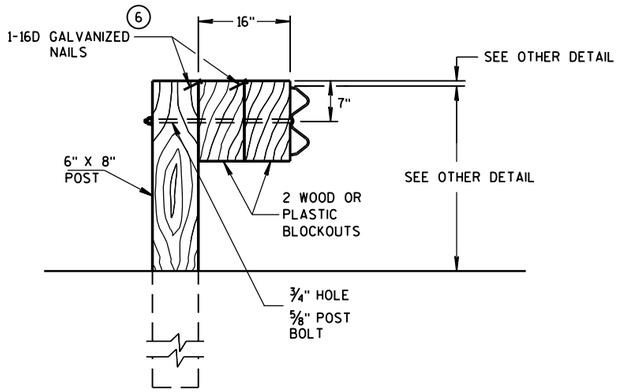
ONE SIDED REFLECTOR DETAIL AND TYPICAL INSTALLATION

MIDWEST GUARDRAIL SYSTEM
(MGS) GUARDRAIL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR

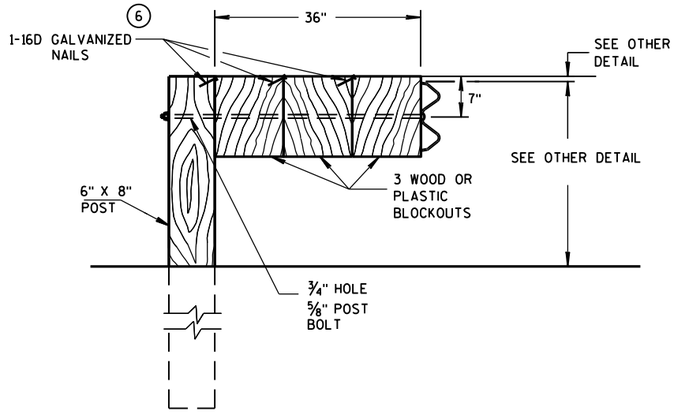
6

S.D.D. 14 B 42-5b



DETAIL FOR 16" BLOCKOUT DEPTH

IT IS ACCEPTABLE TO USE BLOCKOUTS UP TO 16" DEEP TO INCREASE THE POST OFFSET TO AVOID UNDERGROUND OBSTACLES. THERE IS NO LIMIT TO THE NUMBER OF POSTS THAT CAN HAVE ADDITIONAL BLOCKOUTS UP TO 16" DEEP.

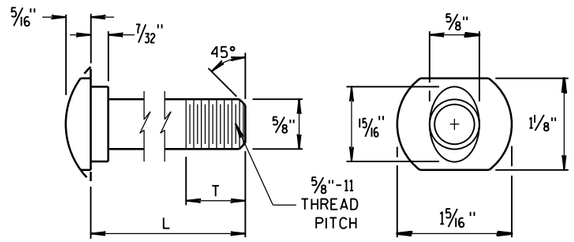


DETAIL FOR 36" BLOCKOUT DEPTH

NOTES: UNDER SPECIAL CIRCUMSTANCES, SUCH AS AVOIDING OBSTACLES THAT ARE NOT RELOCATED, IT IS ACCEPTABLE TO INSTALL ADDITIONAL BLOCKOUTS TO OBTAIN UP TO 36" DEPTH FOR ONE OR TWO POSTS IN A SECTION OF GUARDRAIL.

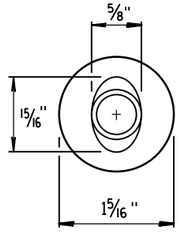
DO NOT USE 16" OR 36" BLOCKOUTS IF IT CAUSES THE POST TO BE DRIVEN BEYOND SHOULDER HINGE POINT OR CAUSES A FIXED OBJECT TO BE WITHIN THE DEFLECTION DISTANCE OF THE BARRIER.

NOTE: 1. ALL FILLETS SHALL HAVE A MINIMUM RADIUS OF 1/16".
2. IF THE BOLT EXTENDS MORE THAN 1/4" FROM THE NUT THE BOLT SHOULD BE TRIMMED BACK.

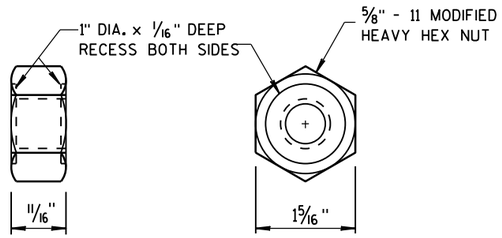


POST BOLT TABLE

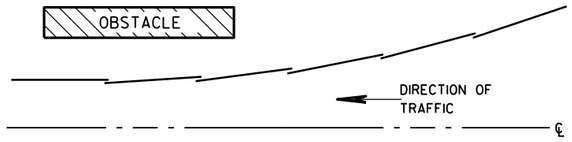
L	T (MIN.)
1¼"	1⅛"
2"	1¾"
10"	4"
14"	4 1/16"
18"	4"
21"	4 1/16"
25"	4"



ALTERNATE BOLT HEAD

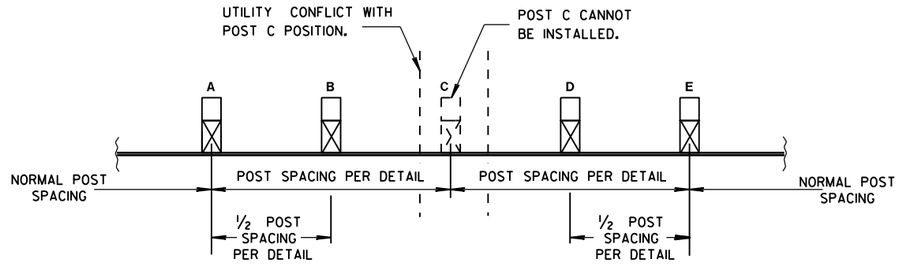


POST BOLT, SPLICE BOLT AND RECESS NUT

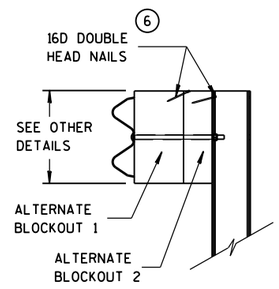


PLAN VIEW

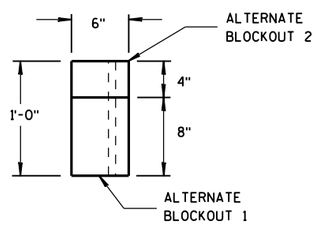
BEAM LAPPING DETAIL



POST DRIVING FOR CONTINUOUS UNDERGROUND OBSTRUCTION



SIDE VIEW



TOP VIEW

ALTERNATE WOOD BLOCKOUT DETAIL

MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI 455

6

S.D.D. 14 B 42-5c

6

S.D.D. 14 B 42-5c

GENERAL NOTES

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

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

(C) DIFFERENT MANUFACTURES REQUIRE DIFFERENT PERFORATED W-BEAM RAIL END PANELS. SEE MANUFACTURES INFORMATION.

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

(H) HARDWARE VARIES BETWEEN DIFFERENT MANUFACTURES. SEE MANUFACTURE'S DRAWING FOR INFORMATION.

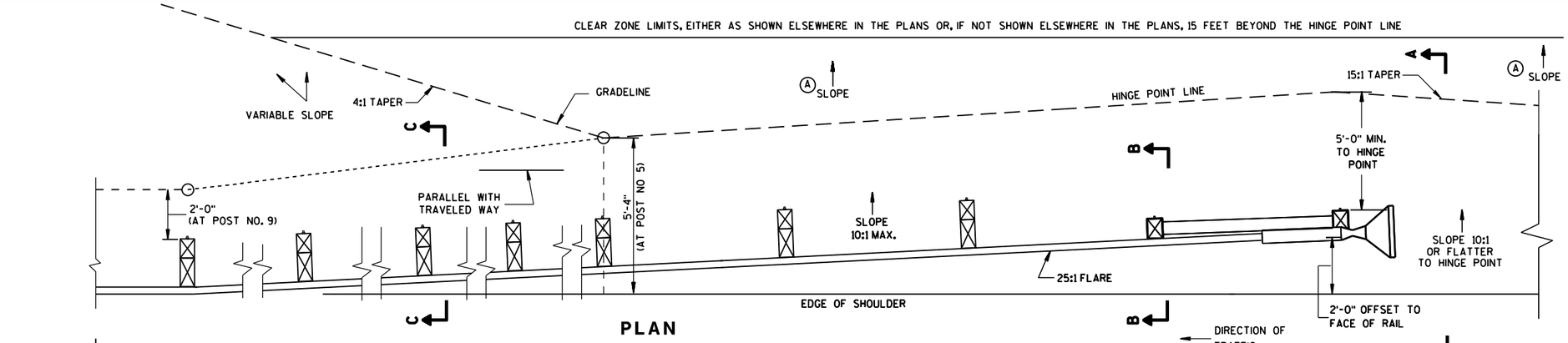
SEE SDD 14B42 FOR MORE INFORMATION.

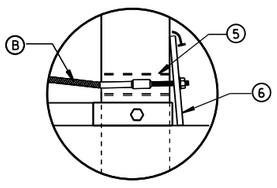
* DO NOT ATTACH BLOCKOUTS TO POSTS 1 AND 2.

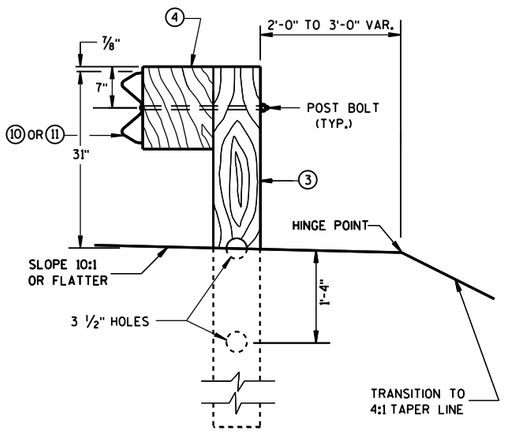
DO NOT INSTALL REFLECTORS ON THE FIRST 50 FEET OF THE APPROACH END OF THE ENERGY ABSORBING TERMINAL.

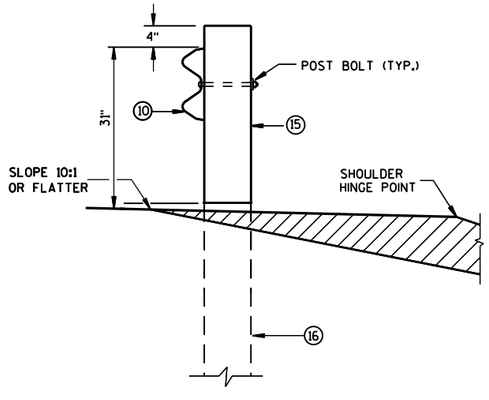
SEE MANUFACTURER'S DRAWING FOR SPLICE LOCATION, HARDWARE DIMENSIONS AND INSTALLATION INSTRUCTIONS.

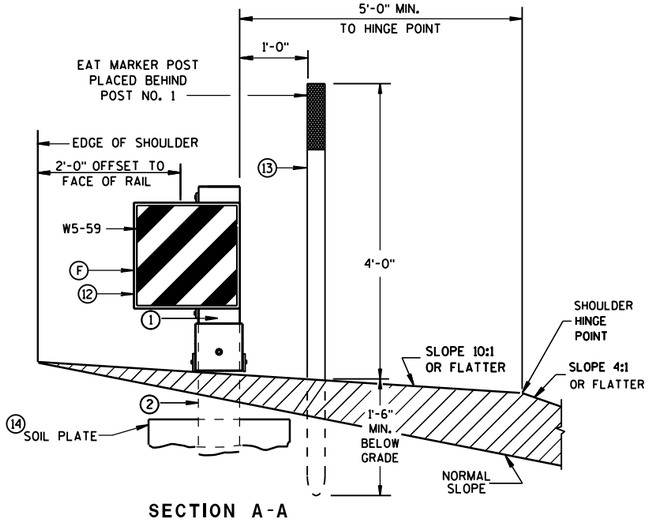
THE CENTER OF THE UPPER 3½" DIAMETER HOLE ON POST NUMBER 3 THROUGH POST 9 IS TO BE FLUSH WITH THE GROUND LINE UP TO A MAXIMUM OF 2" ABOVE GROUND LINE.

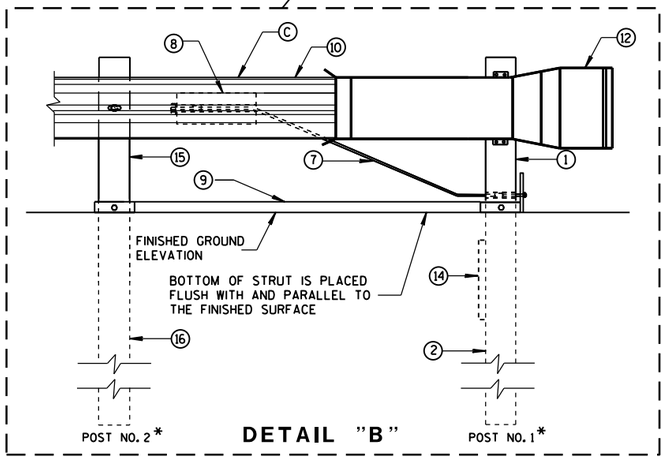








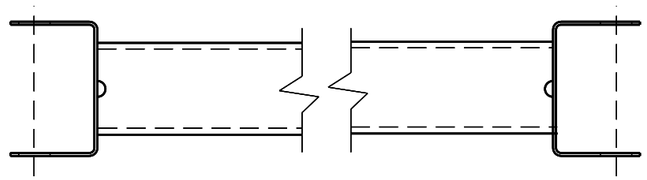




MIDWEST GUARDRAIL SYSTEM
ENERGY ABSORBING TERMINAL
(MGS)

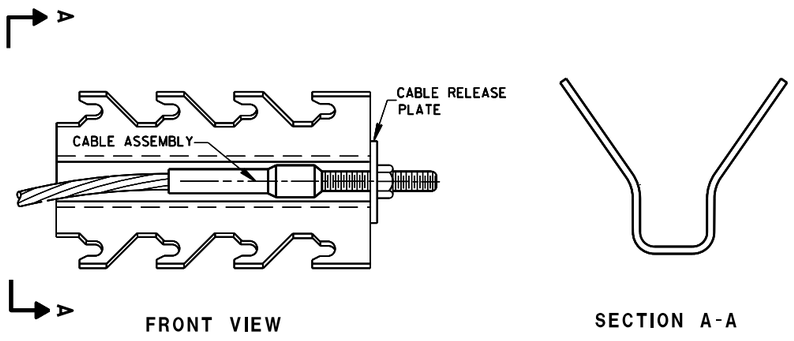
STATE OF WISCONSIN
DEPARTMENT OF TRANSPO

6
S.D.D. 14 B 44-3a



(9) (H)

GENERIC GROUND STRUT



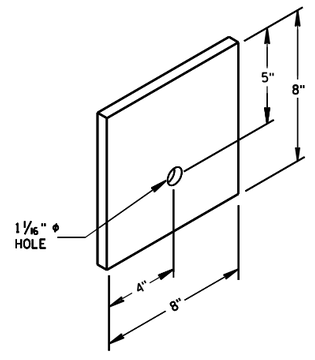
FRONT VIEW

SECTION A-A

GENERIC ANCHOR CABLE BOX (8) (H)

BILL OF MATERIALS

PART NO.	DESCRIPTION MATERIALS PROVIDED BY MGS EAT MANUFACTURER. SEE MANUFACTURER'S DETAILS FOR MORE INFORMATION.
(1)	UPPER POST NO. 1 6" X 6" TUBE
(2)	LOWER POST NO. 1
(3)	WOOD CRT
(4)	WOOD BLOCKOUT
(5)	PIPE SLEEVE
(6)	BEARING PLATE
(7)	BCT CABLE ASSEMBLY
(8)	ANCHOR CABLE BOX
(9)	GROUND STRUT
(10)	PERFORATED W-BEAM RAIL END PANEL, 12'-6" LONG.
(11)	STANDARD W-BEAM RAIL. MULTIPLE SECTIONS REQUIRED. SECTIONS VARY IN LENGTH.
(12)	IMPACT HEAD
(13)	EAT MARKER POST - YELLOW (SEE APPROVED PRODUCTS LIST)
(14)	SOIL PLATE
(15)	UPPER POST NO. 2
(16)	LOWER POST NO. 2



BEARING PLATE (6)

6

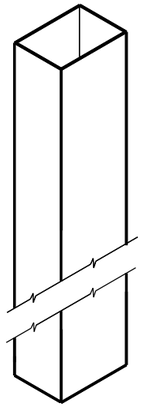
6

S.D.D. 14 B 44-3b

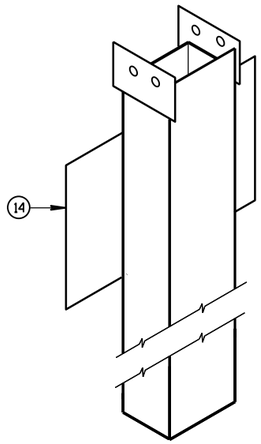
S.D.D. 14 B 44-3b

MIDWEST GUARDRAIL SYSTEM
ENERGY ABSORBING TERMINAL
(MGS)

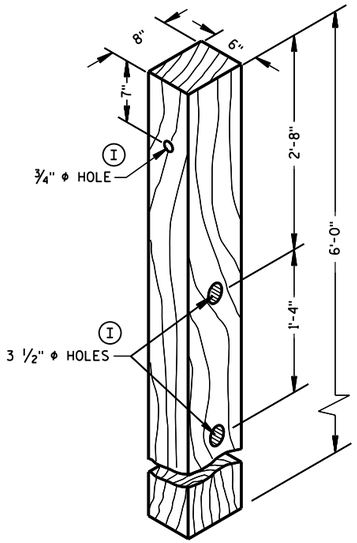
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR



UPPER POST NO. 1 (1)

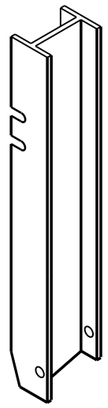


LOWER POST NO. 1 (2)

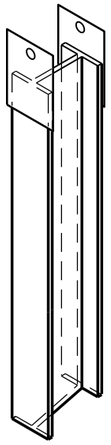


POSTS NUMBER 3-9

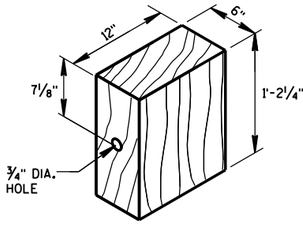
WOOD CRT POST (3)



UPPER POST NO. 2 (15)

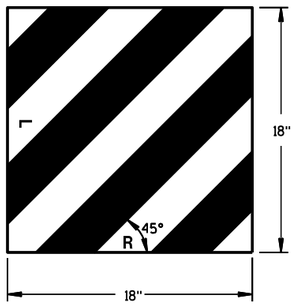


LOWER POST NO. 2 (16)



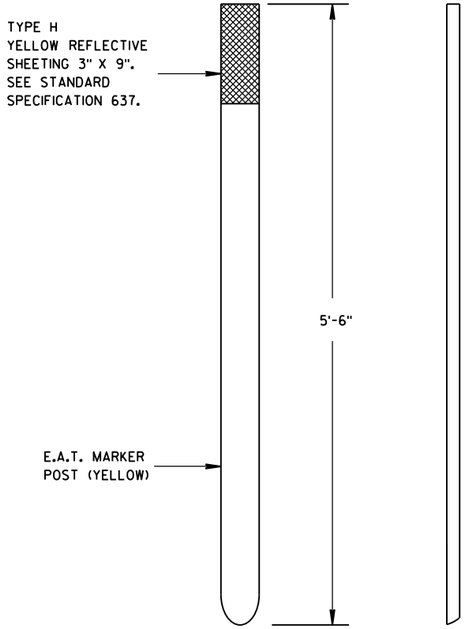
WOOD BLOCKOUT (4)

REQ'D. AT ALL POSTS EXCEPT POST NO'S 1 & 2



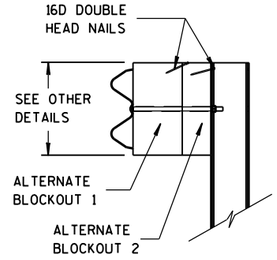
W5-59

REFLECTIVE SHEETING DETAIL (H)

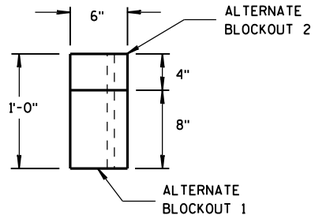


FRONT VIEW SIDE VIEW

E.A.T. MARKER POST (13)



SIDE VIEW



TOP VIEW

ALTERNATE WOOD
BLOCKOUT DETAIL

MIDWEST GUARDRAIL SYSTEM
ENERGY ABSORBING TERMINAL
(MGS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

June 2017
DATE

/S/ Rodney Taylor
ROADWAY STANDARDS
UNIT SUPERVISOR

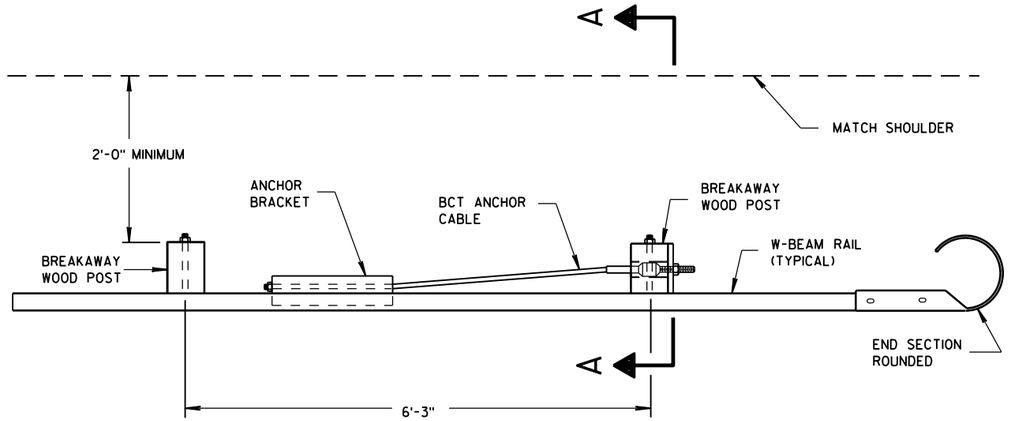
FHWA

6

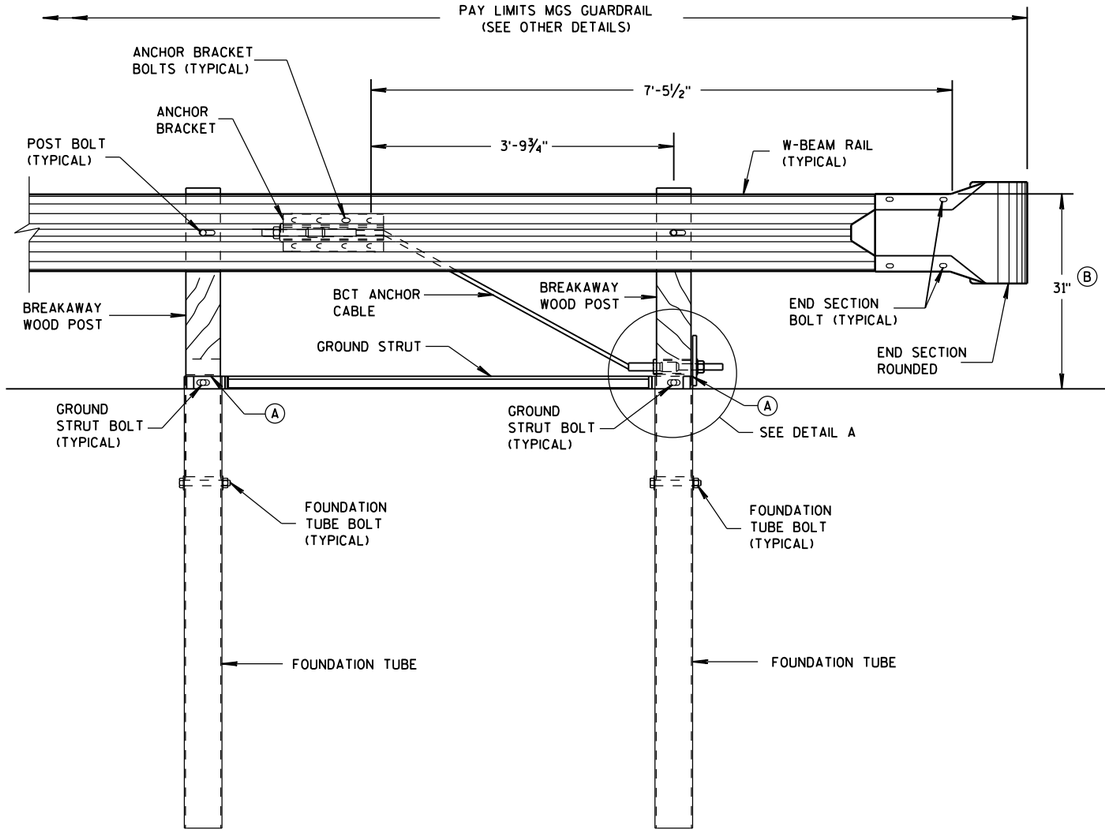
S.D.D. 14 B 44-3c

6

S.D.D. 14 B 44-3c

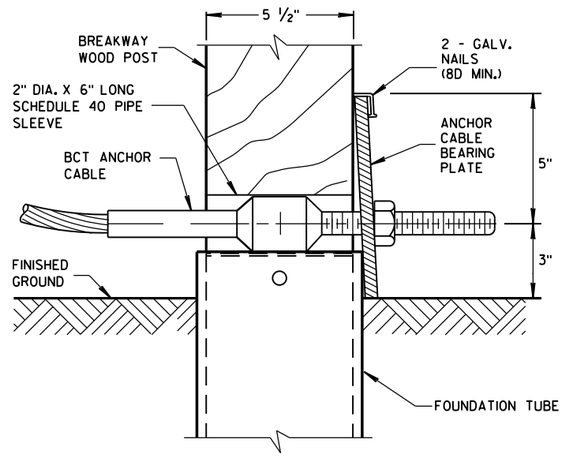


PLAN VIEW



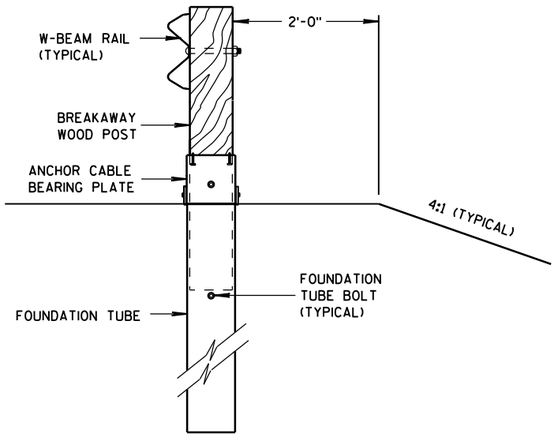
FRONT VIEW

END RAIL DETAIL



DETAIL A

POST NO. 1
GROUNG STRUT NOT SHOWN FOR CLARITY.



SECTION A-A

GENERAL NOTES

SEE SDD 14 B 42 FOR MORE INFORMATION.

END SECTION BOLTS AND NUTS HAVE THE SAME MATERIAL REQUIREMENTS AS SPLICE BOLTS.

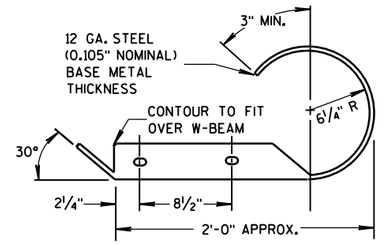
FOUNDATION TUBE BOLTS ARE ⅞" DIAMETER ASTM A307 HEX HEAD BOLT. FOUNDATION TUBE BOLTS REQUIRE ASTM A563 A NUT AND TWO ASTM F844 ⅞" DIAMETER FLAT WASHERS. INSTALL ONE WASHER UNDER BOLT HEAD AND ONE WASHER UNDER NUT.

ANCHOR BRACKET AND GROUND STRUT BOLTS ARE A ⅝" DIAMETER ASTM A307 HEX HEAD BOLT. ANCHOR BRACKET BOLTS REQUIRE ASTM A563 A NUT AND TWO ASTM F844 ⅝" DIAMETER FLAT WASHERS. INSTALL ONE WASHER UNDER BOLT HEAD AND ONE WASHER UNDER NUT.

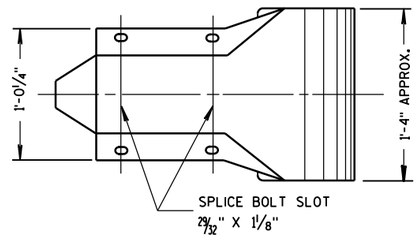
W-BEAM END SECTION ROUNDED HAS THE SAME MATERIAL PROPERTIES AS STANDARD STEEL RAIL.

(A) TOP OF FOUNDATION TUBE SHALL BE NO MORE THAN 3" ABOVE FINISHED GROUND.

(B) FOR NEW CONSTRUCTION TOP OF RAIL IS 31" ± 1".
FOR EXISTING INSTALLATIONS TOP OF RAIL IS BETWEEN 27¾" TO 32" ± 1".



PLAN VIEW



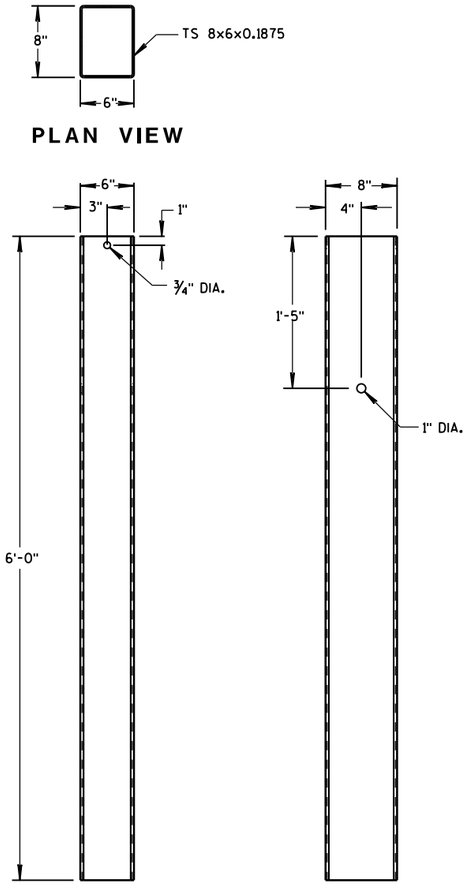
FRONT VIEW

W BEAM END SECTION ROUNDED

MIDWEST GUARDRAIL SYSTEM (MGS) TYPE 2 TERMINAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPO

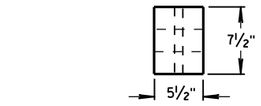
6
S.D.D. 14 B 47-2a



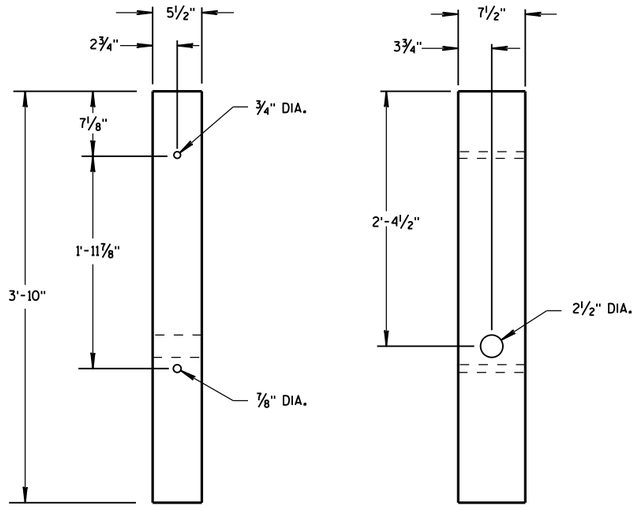
PLAN VIEW

FRONT VIEW SIDE VIEW

FOUNDATION TUBE



PLAN VIEW



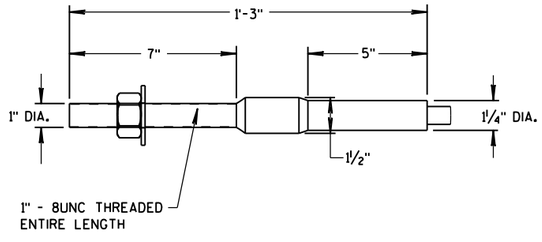
FRONT VIEW SIDE VIEW

BREAKAWAY WOOD POST

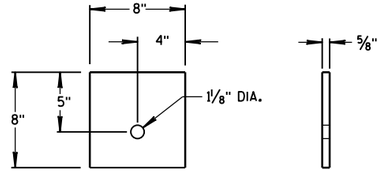
GENERAL NOTES

BCT ANCHOR CABLE IS A ¾" DIAMETER 6X19 IWRC IPS GALVANIZED WIRE ROPE. THE SWAGED FITTINGS AND STUD ARE REQUIRED. END FITTING SHALL BE MACHINED FROM HOT-ROLLED CARBON STEEL CONFORMING TO ASTM A576 GRADE 1035 AND GALVANIZED ACCORDING TO ASTM A123. TREADED STUD SHALL CONFORM TO ASTM A325 OR SAE GRADE 5. MINIMUM BREAKING STRENGTH OF WIRE ROPE IS 43,000 LB. WIRE ROPE IS TO BE TAUT.

BCT ANCHOR CABLE



DETAIL B



SIDE VIEW FRONT VIEW

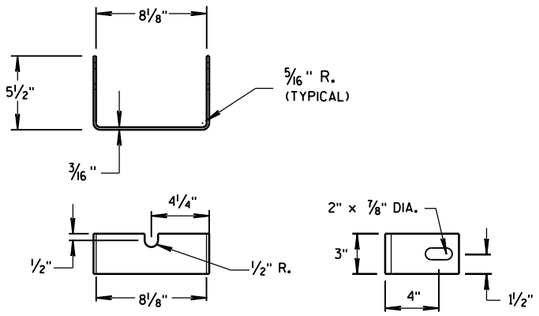
ANCHOR CABLE
BEARING PLATE

MIDWEST GUARDRAIL
SYSTEM (MGS) TYPE 2 TERMINAL

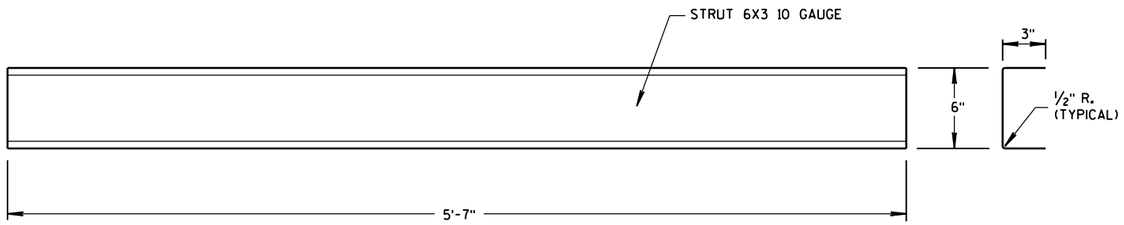
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

6

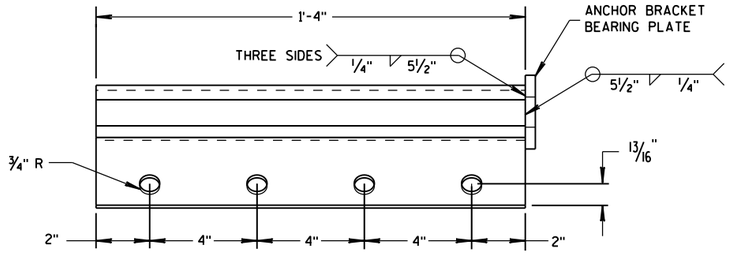
S.D.D. 14 B 47-2b

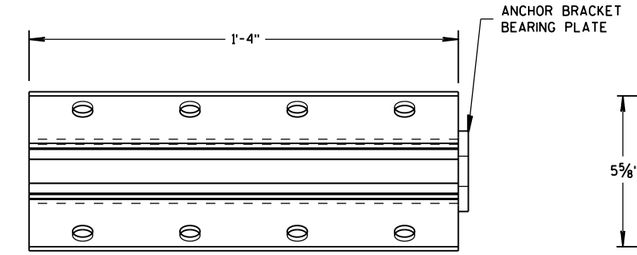


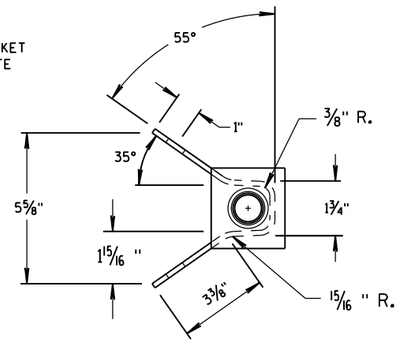
YOKE DETAIL



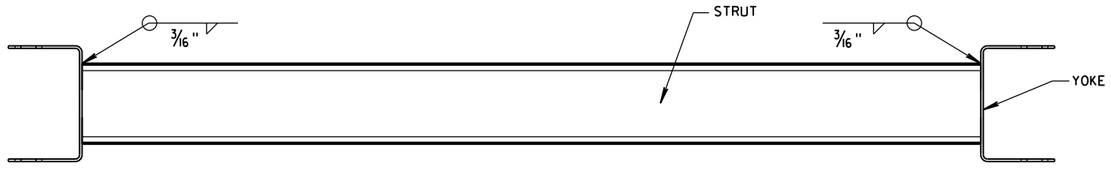
STRUT DETAIL



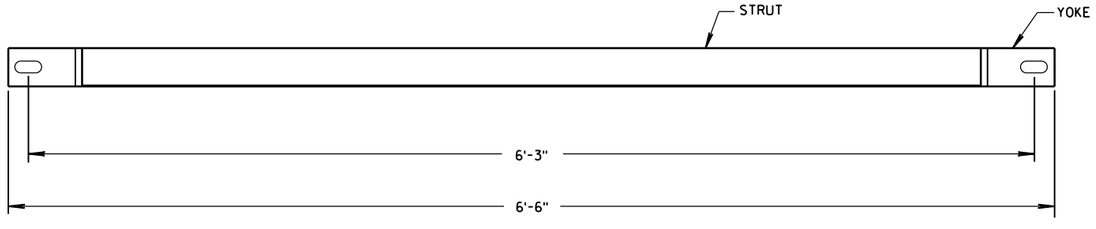




ANCHOR BRACKET

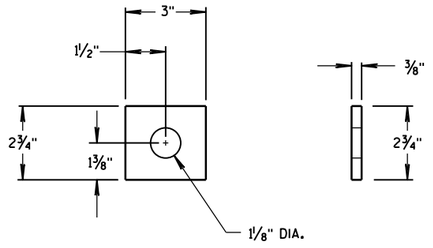


PLAN VIEW



FRONT VIEW

GROUND STRUT DETAIL



ANCHOR BRACKET BEARING PLATE

MIDWEST GUARDRAIL SYSTEM (MGS) TYPE 2 TERMINAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June 2014
DATE

/S/ Jerry H. Zogg
ROADWAY STANDARDS ENGINEER

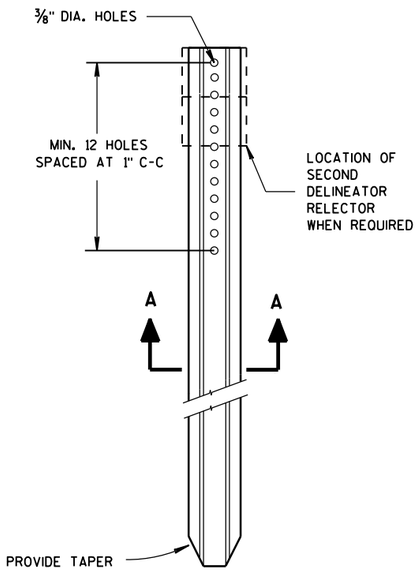
FHWA

6

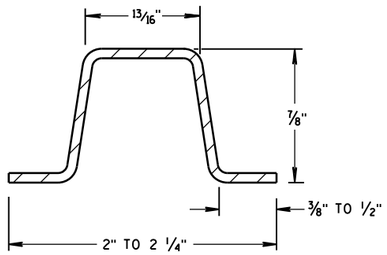
S.D.D. 14 B 47-2c

6

S.D.D. 14 B 47-2c

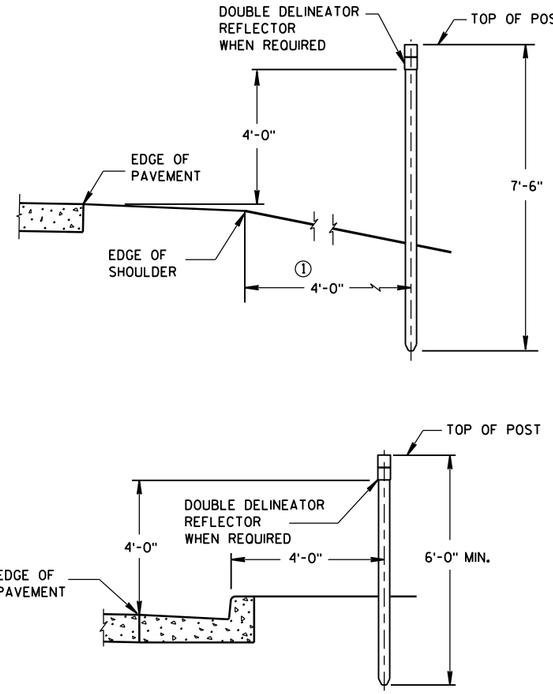


DELINEATOR POST



SECTION A-A

WEIGHT 1.12 LBS PER FT. ± 0.1 LB.

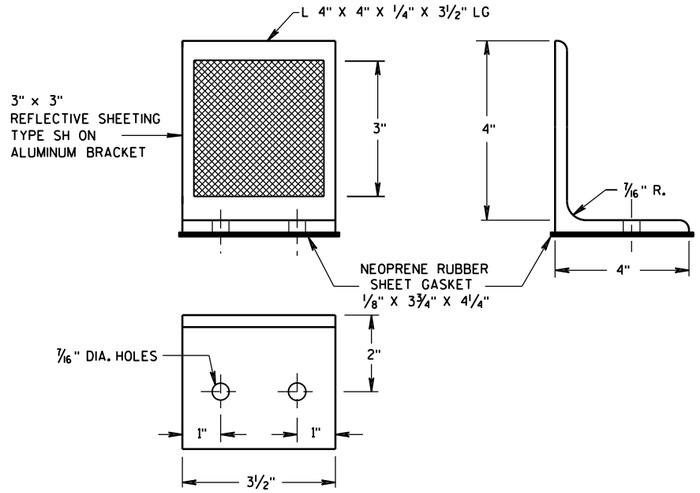


TYPICAL INSTALLATIONS OF DELINEATOR POSTS

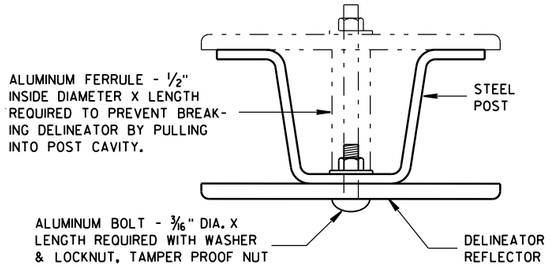
GENERAL NOTES

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

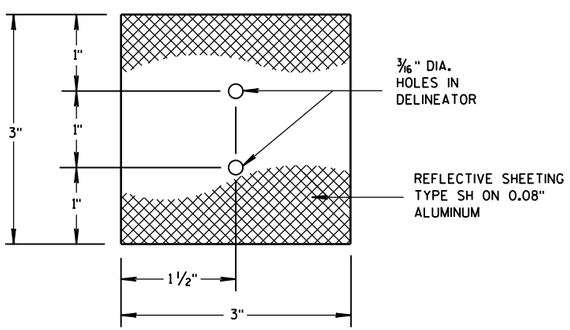
① DELINEATORS SHALL BE PLACED AT A CONSTANT DISTANCE FROM THE EDGE OF THE SHOULDER FOR THE LENGTH OF THE INSTALLATION.



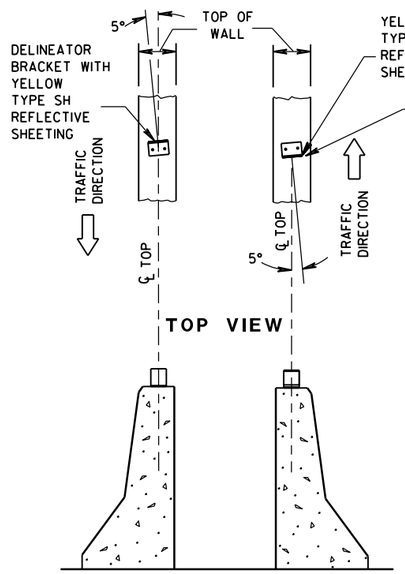
DELINEATOR BRACKET



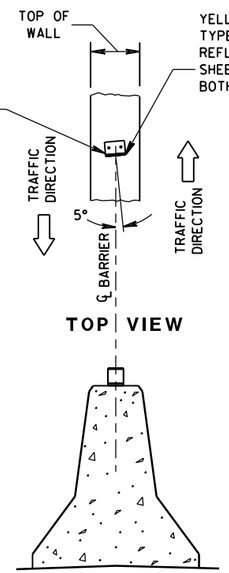
MOUNTING DETAIL FOR DELINEATOR REFLECTOR



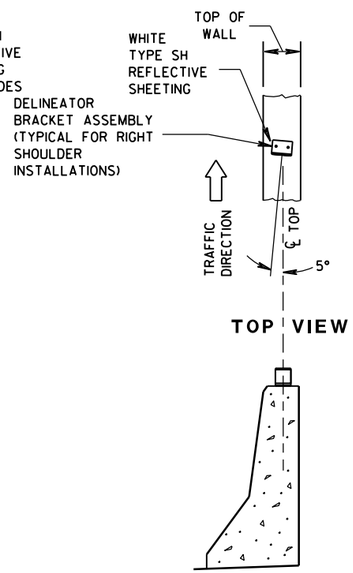
3"x 3" DELINEATOR REFLECTOR



DOUBLE BARRIERS IN MEDIAN

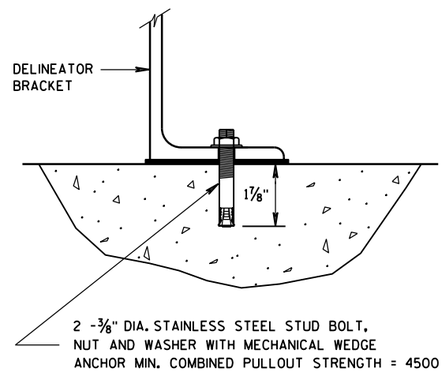


MEDIAN BARRIER



BARRIER LOCATED TO RT. OF TRAFFIC FLOW

LOCATION AND AIMING DETAILS FOR DELINEATOR BRACKETS MOUNTED ON CONCRETE BARRIERS



DELINEATOR BRACKET MOUNTING DETAIL

DELINEATOR POST, DELINEATOR REFLECTOR AND DELINEATOR BRACKET WITH REFLECTIVE SHEETING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
4-18-16 DATE
/S/ Matthew R. Rauch
STATE SIGNING AND MAR[illegible] GINEER
FHWA

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S.D.D. 15 A 2-9

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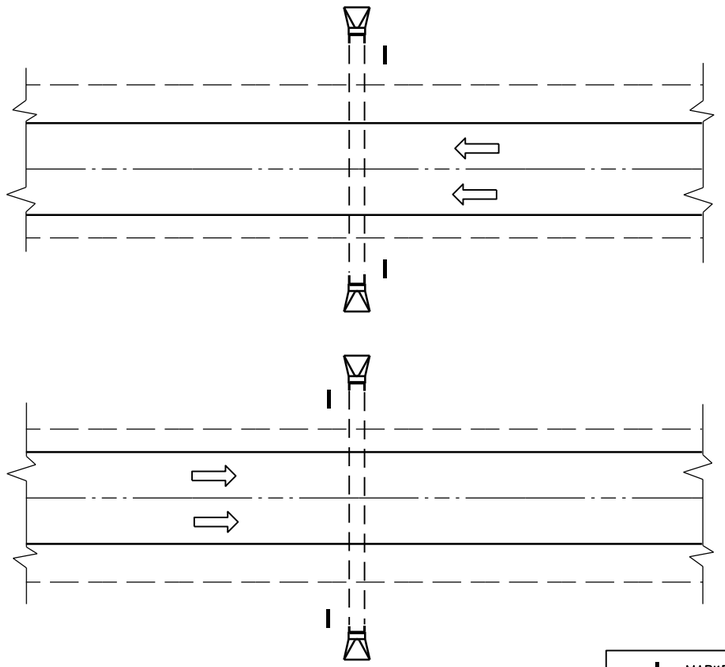
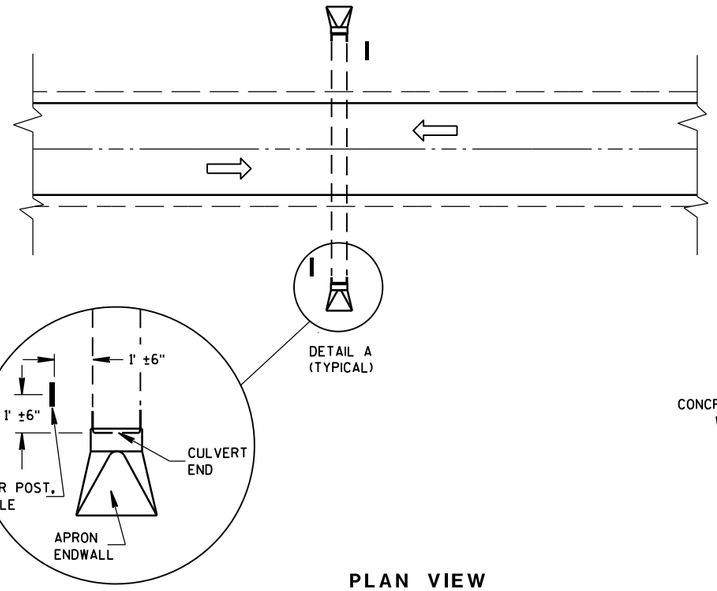
S.D.D. 15 A 2-9



PLAN VIEW

DIVIDED HIGHWAY



DETAIL A
(TYPICAL)

PLAN VIEW

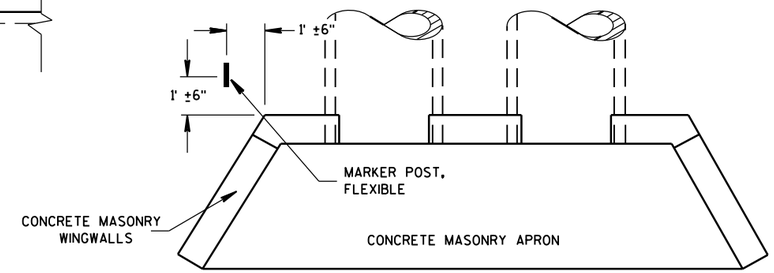
UNDIVIDED HIGHWAY

MARKER POST, FLEXIBLE

DIRECTION OF TRAFFIC FLOW

GENERAL NOTES

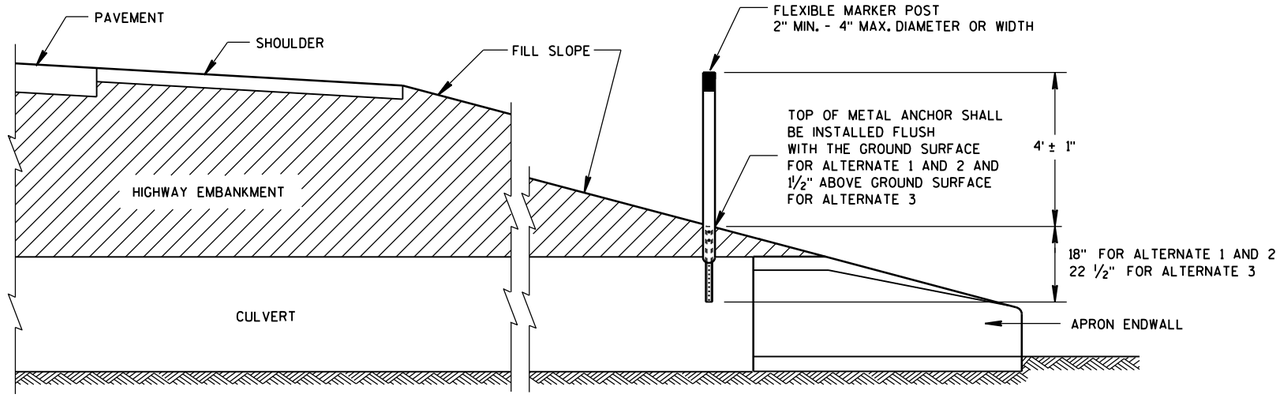
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.



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

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

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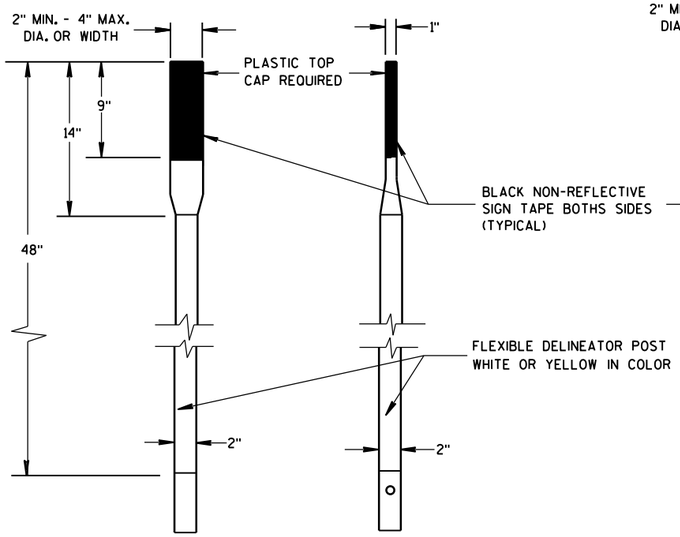
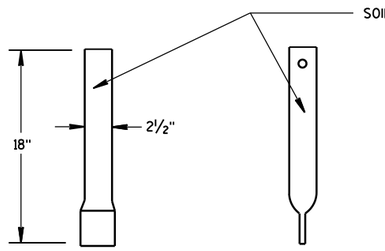
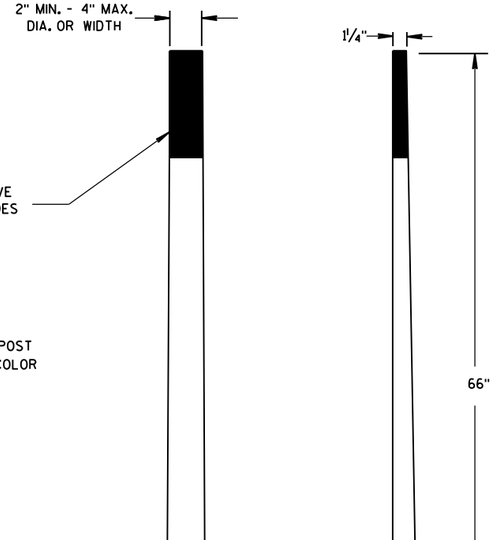
S.D.D. 15 A 3-2a





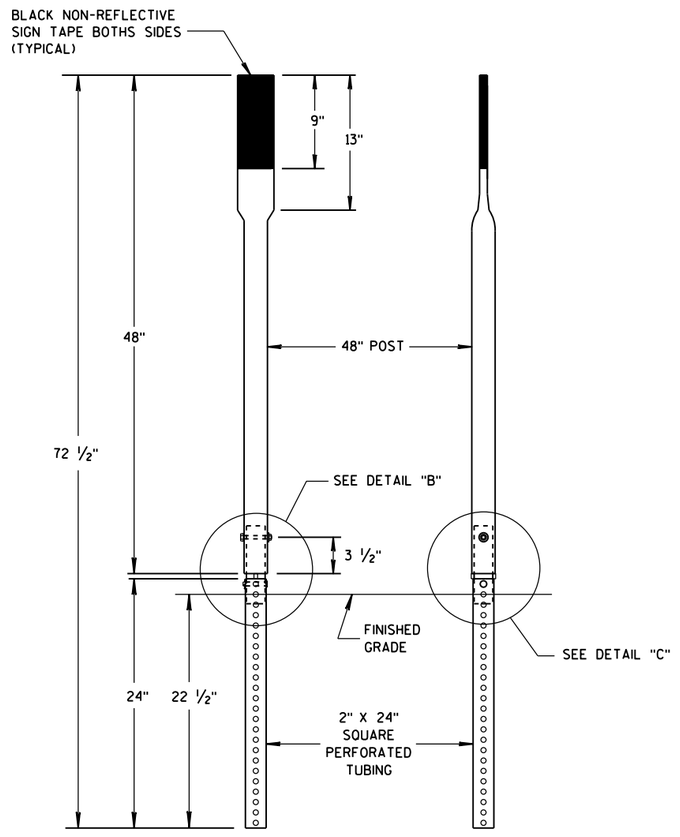
FRONT VIEW SIDE VIEW

ALTERNATE 1



FRONT VIEW SIDE VIEW

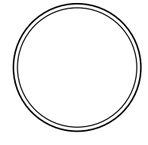
ALTERNATE 2



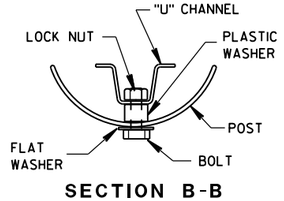
FRONT VIEW SIDE VIEW

ALTERNATE 3

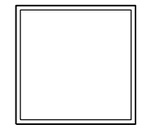
FLEXIBLE MARKER POSTS



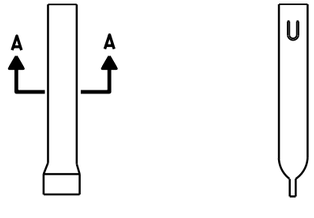
SECTION A-A



SECTION B-B

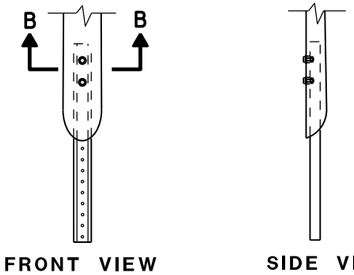


SECTION C-C



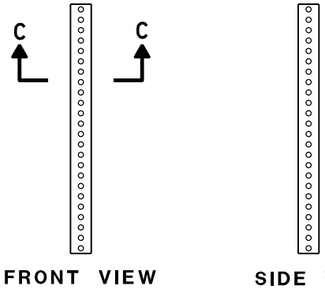
FRONT VIEW SIDE VIEW

ALTERNATE 1



FRONT VIEW SIDE VIEW

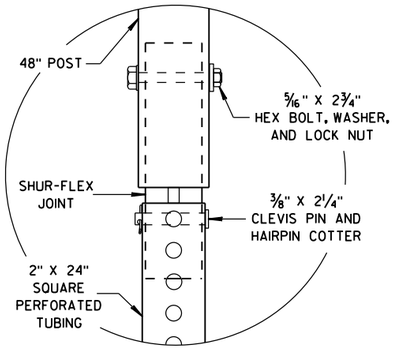
ALTERNATE 2



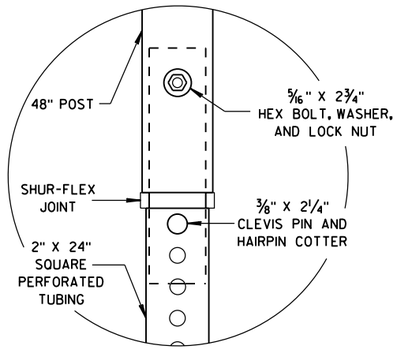
FRONT VIEW SIDE VIEW

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
464
IGN
FHWA

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

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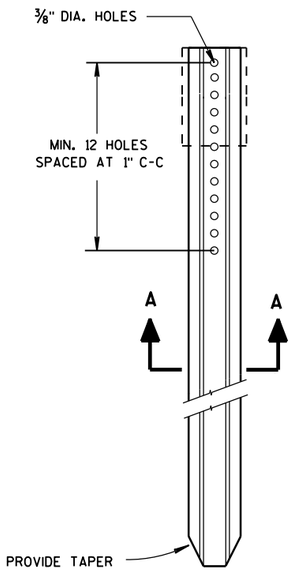
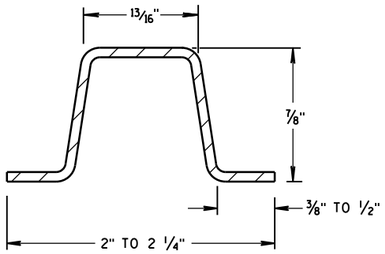
S.D.D. 15 A 3-2b

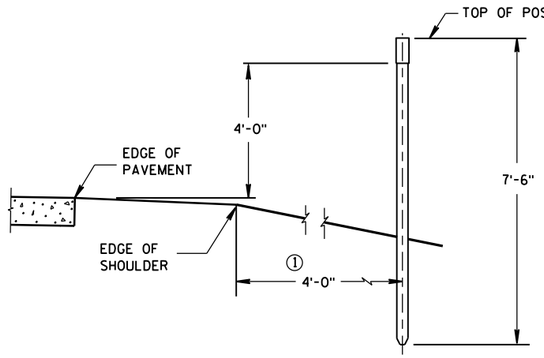


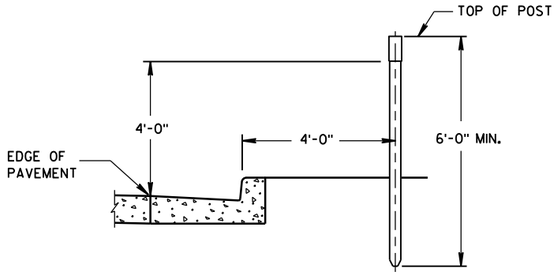
DELINEATOR POST



SECTION A-A

WEIGHT 1.12 LBS PER FT. ± 0.1 LB.





TYPICAL INSTALLATIONS OF DELINEATOR POSTS

GENERAL NOTES

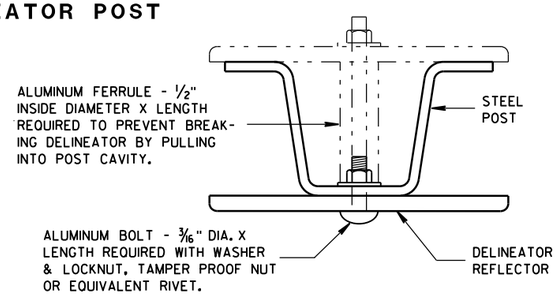
DETAILS OF CONSTRUCTION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

① DELINEATORS SHALL BE PLACED AT A CONSTANT DISTANCE FROM THE EDGE OF THE SHOULDER FOR THE LENGTH OF THE INSTALLATION.

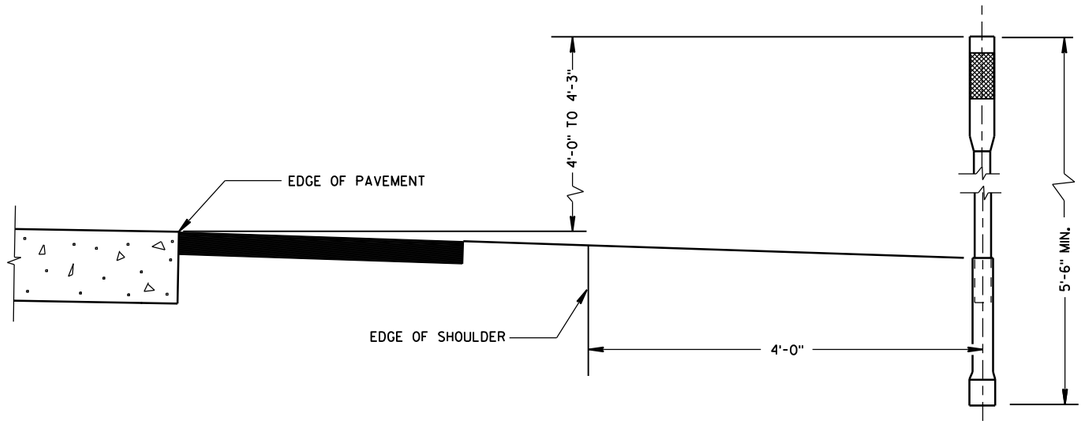
REFLECTOR SPACING TABLE

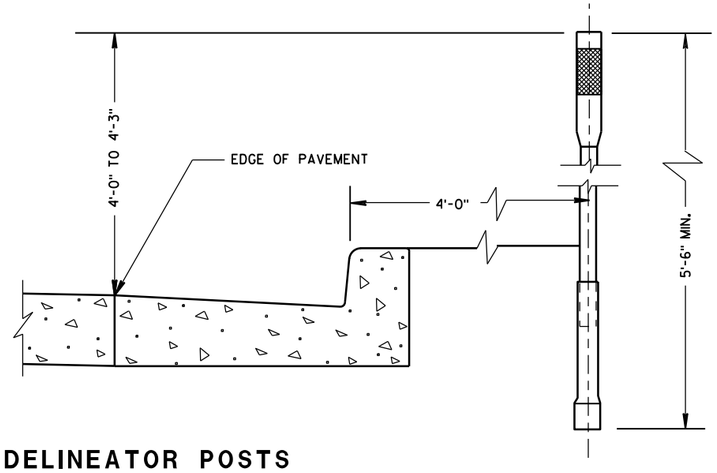
REFLECTOR SPACING	LOCATION
400'	MAINLINE
100'	RAMPS *

* START AT BEGINNING OF RAMP TAPER AND END AT END OF RAMP TAPER.



MOUNTING DETAIL FOR DELINEATOR REFLECTOR





TYPICAL INSTALLATIONS OF FLEXIBLE DELINEATOR POSTS

DELINEATOR POST WITH REFLECTIVE SHEETING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June 2017 — DATE
/S/ Matthew R. Rauch — STATE SIGNING AND MAI[illegible]GINEER
FHWA

6

S.D.D. 15 A 4-3c

6

S.D.D. 15 A 4-3c

GENERAL NOTES

PANEL THICKNESS SHALL BE A MINIMUM OF 0.08 INCHES.

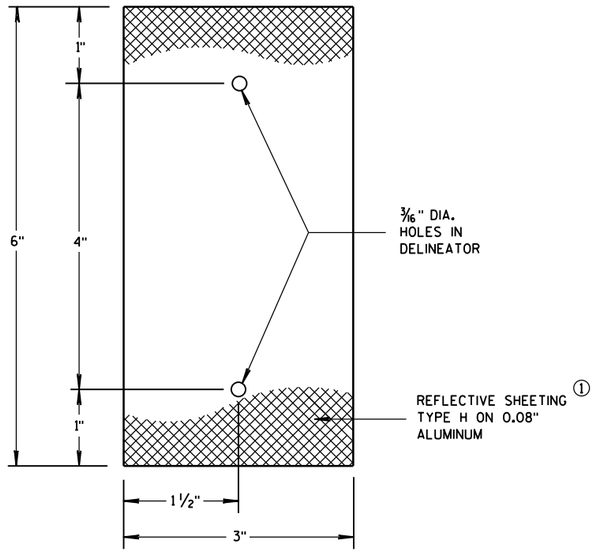
PLASTIC BASE MATERIAL SHALL BE WHITE, UV STABILIZED, FLAME TREATED TO THE MANUFACTURER SPECIFICATIONS AND BE ABLE TO WITHSTAND SUB FREEZING TEMPERATURES WITHOUT BREAKING.

① FURNISH TYPE H SHEETING FROM THE APPPROVED PRODUCTS LIST.

② FURNISH DELINEATOR REFLECTOR FOR GUARDRAIL FROM THE APPPROVED PRODUCTS LIST.

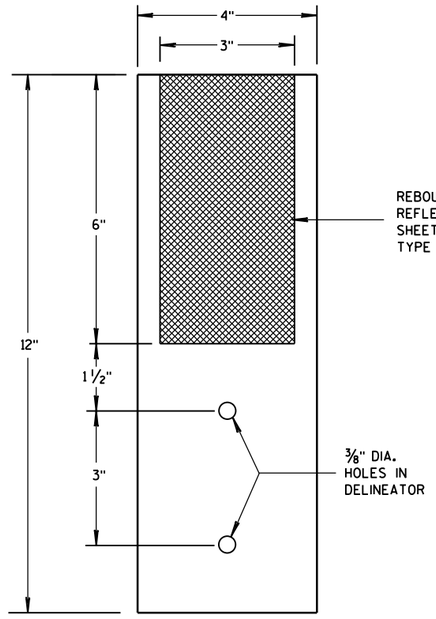
REFLECTOR SPACING TABLE

REFLECTOR SPACING	MINIMUM NUMBER OF REFLECTORS
100' C-C	3



3"x 6" DELINEATOR REFLECTOR

(FOR STEEL POSTS)



4"x 12" DELINEATOR REFLECTOR

(FOR GUARDRAIL) ②

DELINEATOR
WITH REFLECTIVE SHEETING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June 2017 — DATE
/S/ Matthew R. Rauch
STATE SIGNING AND MAR[illegible]GINEER
FHWA

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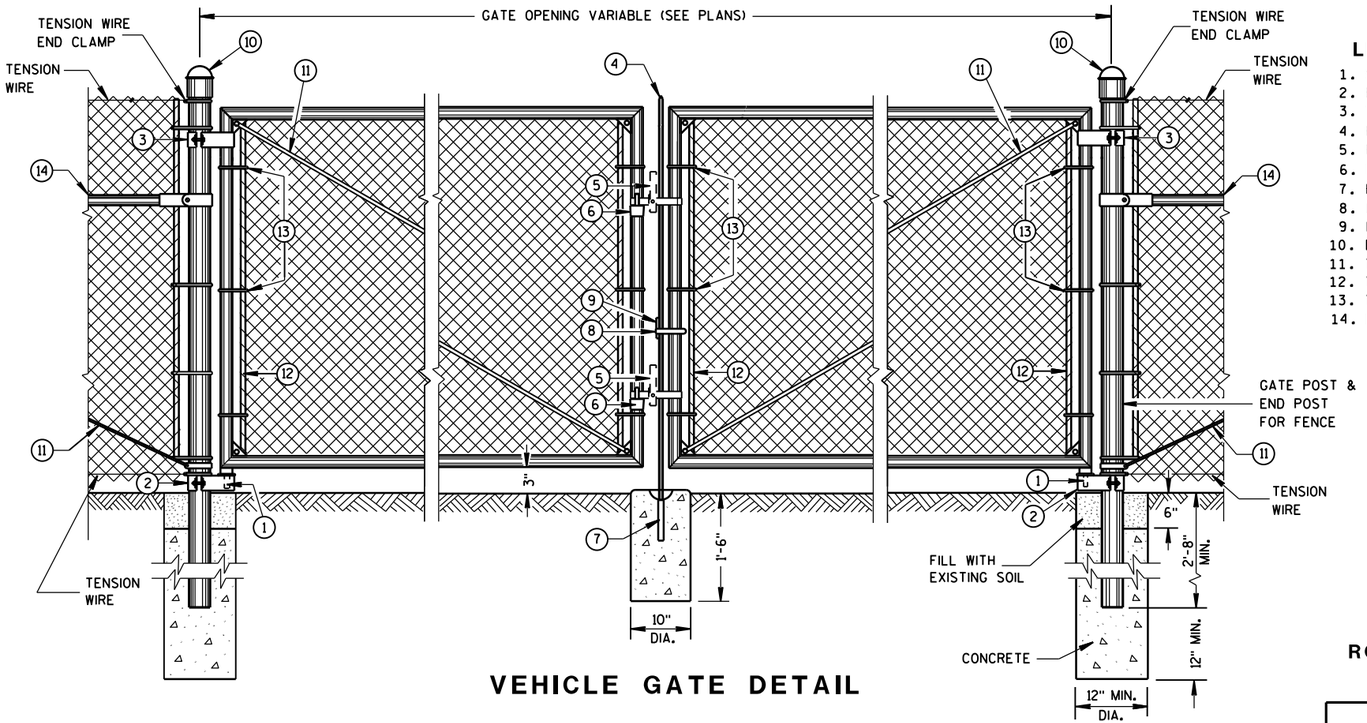
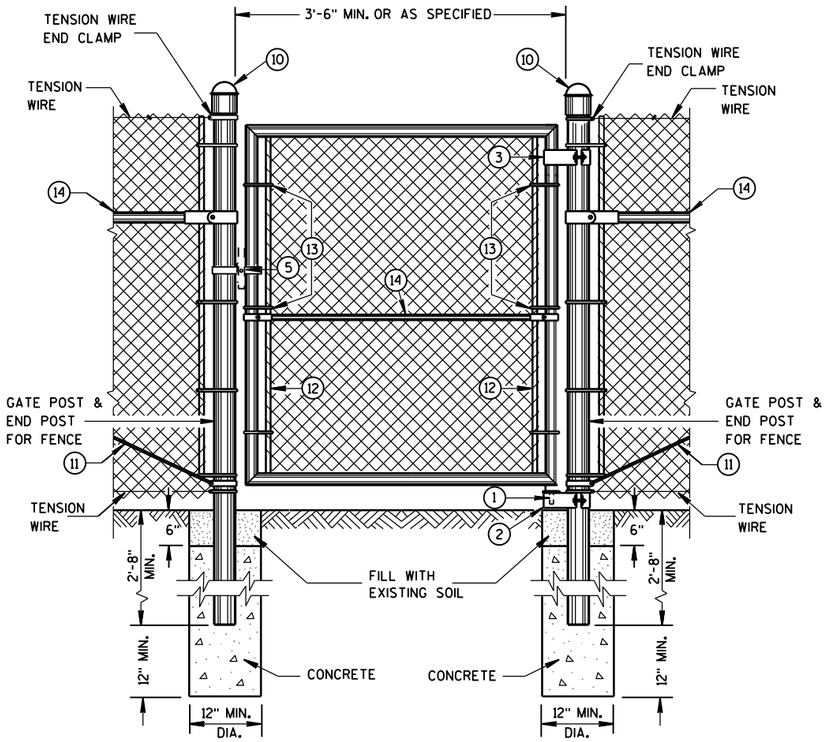
S.D.D. 15 A 4-3d

6

S.D.D. 15 A 4-3d



VEHICLE GATE DETAIL



PEDESTRIAN GATE DETAIL

LEGEND

1. STRAIGHT PLUG
2. BOTTOM HINGE
3. TOP HINGE
4. PLUNGER ROD
5. FULCRUM LATCH
6. FORK CATCH *
7. PLUNGER ROD CATCH
8. LOCK KEEPER GUIDE
9. LOCK KEEPER
10. DOME TOPS
11. TRUSS RODS
12. TENSION BAR
13. TENSION BANDS
14. BRACE RAIL

*NOT REQUIRED ON SINGLE SWING PEDESTRIAN GATE

GENERAL NOTES

FENCE POSTS INSTALLED ON CONCRETE WALLS SHALL BE ANCHORED INTO EMBEDDED METAL SLEEVES OR CORED HOLE BY FILLING THE ANNULAR SPACE WITH PEA GRAVEL FOLLOWED BY AN EPOXY RESIN ADHESIVE. THE EPOXY RESIN ADHESIVE SHALL CONFORM TO THE REQUIREMENTS OF AASHTO M 235, CLASS A, B OR C.

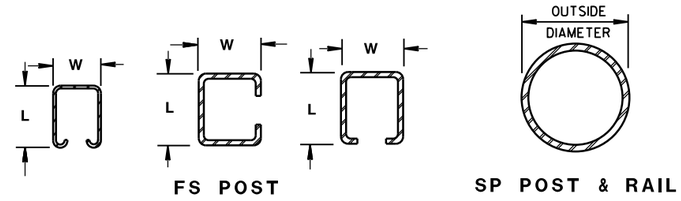
USE FENCE FABRIC KNUCKLED AT BOTH SELVAGES.

FOR LEAF GATES GREATER THAN 8 FEET WIDE, INSTALL INTERIOR VERTICAL BRACE RAIL AT 8 FOOT INTERVALS.

FOR FABRIC HEIGHTS GREATER THAN 8 FEET, INSTALL INTERIOR HORIZONTAL BRACE RAILS TO LEAF GATE.

MAXIMUM SAG FOR OUTER GATE MEMBER SHALL NOT EXCEED THE GREATER OF 1% OF THE LEAF GATE WIDTH OR 2 INCHES.

USE TYPE 2, CLASS 3, MARCELLED/CRIMPED, TENSION WIRE PER ASTM A 817.



FS POST — SP POST & RAIL

CROSS SECTIONS OF POSTS AND RAILS

ROLLED-FORMED STEEL FENCE POST (2.0 OZ./SQ. FT. COATING)

POST TYPE	LENGTH (L) INCH	WIDTH (W) INCH	WEIGHT LBS/FT
FS1	1.625	1.25	1.35
FS2†	1.875	1.625	1.850
FS2	1.875	1.625	2.400
FS3	2.250	1.700	2.780

ROUND STEEL FENCE POST (1.8 OZ./SQ. FT. COATING)

POST TYPE	OUTSIDE DIMENSION INCH	WALL THICKNESS INCH	WEIGHT LBS/FT
SP1	1.660	0.140	2.270
SP2	1.900	0.145	2.720
SP3	2.375	0.154	3.650
SP4	2.875	0.203	5.800
SP5	4.000	0.226	9.120
SP6	6.625	0.280	18.990
SP7	8.625	0.322	28.580

REQUIRED FENCE POST SIZES

USE	FABRIC HEIGHTS FEET	POST TYPE
TERMINAL POSTS **	LESS THAN OR EQUAL TO 6 FT.	SP3
	GREATER THAN OR EQUAL TO 6 FT.	SP4
LINE POSTS	LESS THAN OR EQUAL TO 6 FT.	SP2
	LESS THAN OR EQUAL TO 8 FT.	SP3
	GREATER THAN OR EQUAL TO 8 FT.	SP4
	LESS THAN OR EQUAL TO 8 FT.	FS2 OR FS2†
	GREATER THAN OR EQUAL TO 8 FT.	FS3

REQUIRED POST SIZE FOR GATES

USE	LEAF WIDTHS FEET	POST TYPE
GATES	LESS THAN OR EQUAL TO 6 FT.	SP4
	LESS THAN OR EQUAL TO 13 FT.	SP5
	LESS THAN OR EQUAL TO 18 FT.	SP6
	LESS THAN OR EQUAL TO 23 FT.	SP7

BRACE RAIL TYPES

USE		TYPE
BRACE RAIL		SP1 OR FS1

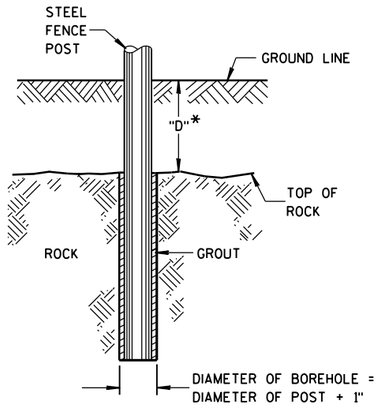
** INCLUDES END, CORNER, ANGLE, INTERSECTION AND INTERMEDIATE BRACED POSTS

FENCE CHAIN LINK

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

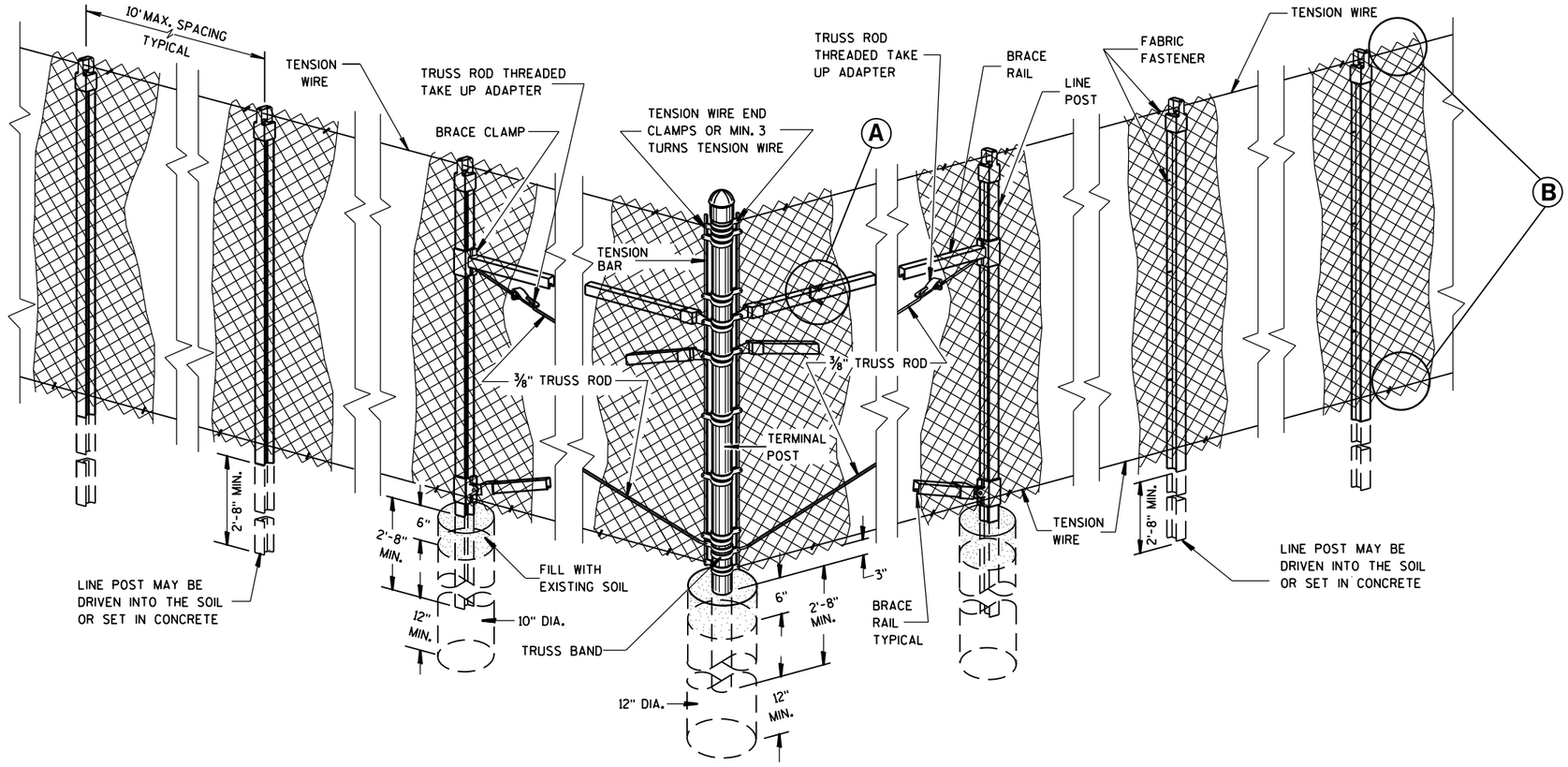
6

S.D.D. 15 B 3-15a

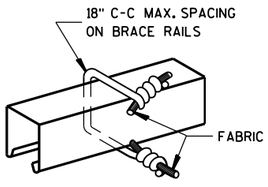


*IF "D" IS LESS THAN 2'-6", DRILL ROCK AND INSTALL GROUT

ROCK INSTALLATION OF LINE POST



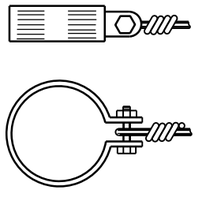
END, CORNER, ANGLE INTERSECTION & INTERMEDIATE BRACED POSTS



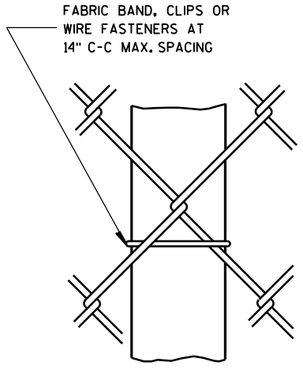
BRACE RAIL

FABRIC FASTENER

Ⓐ



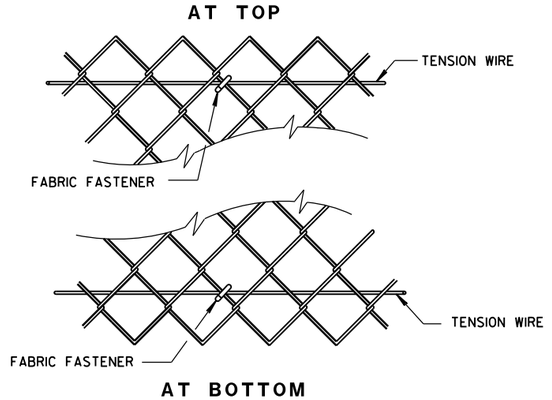
TENSION WIRE END CLAMP



LINE POST

FABRIC FASTENER

AT TOP



AT BOTTOM

SELVAGES

Ⓑ

FENCE CHAIN LINK

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

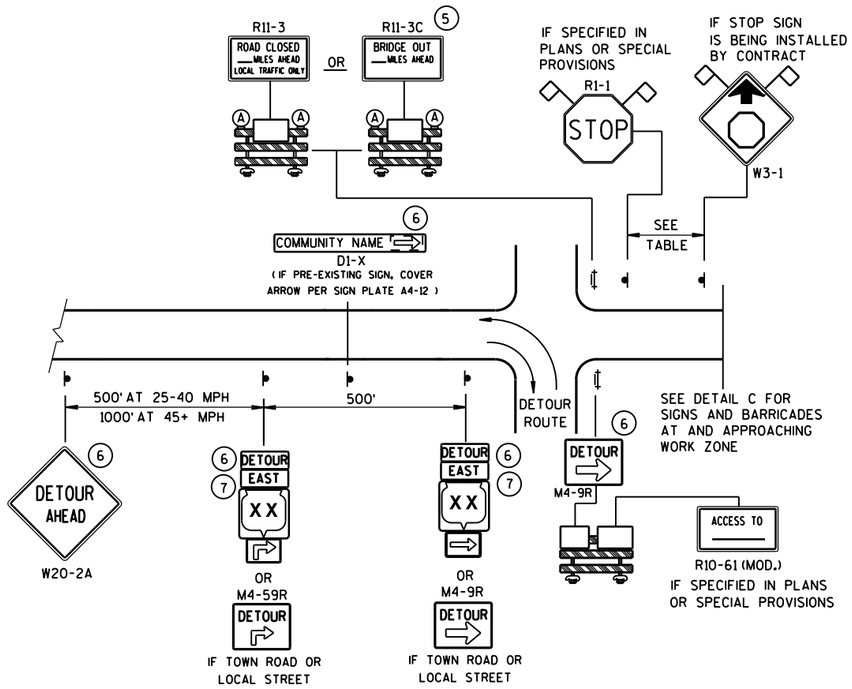
APPROVED
FEB. 2015 DATE
/S/ Jerry H. Zogg
ROADWAY STANDARDS DEVELOPMENT ENGINEER
FHWA

6

S.D.D. 15 B 3-15b

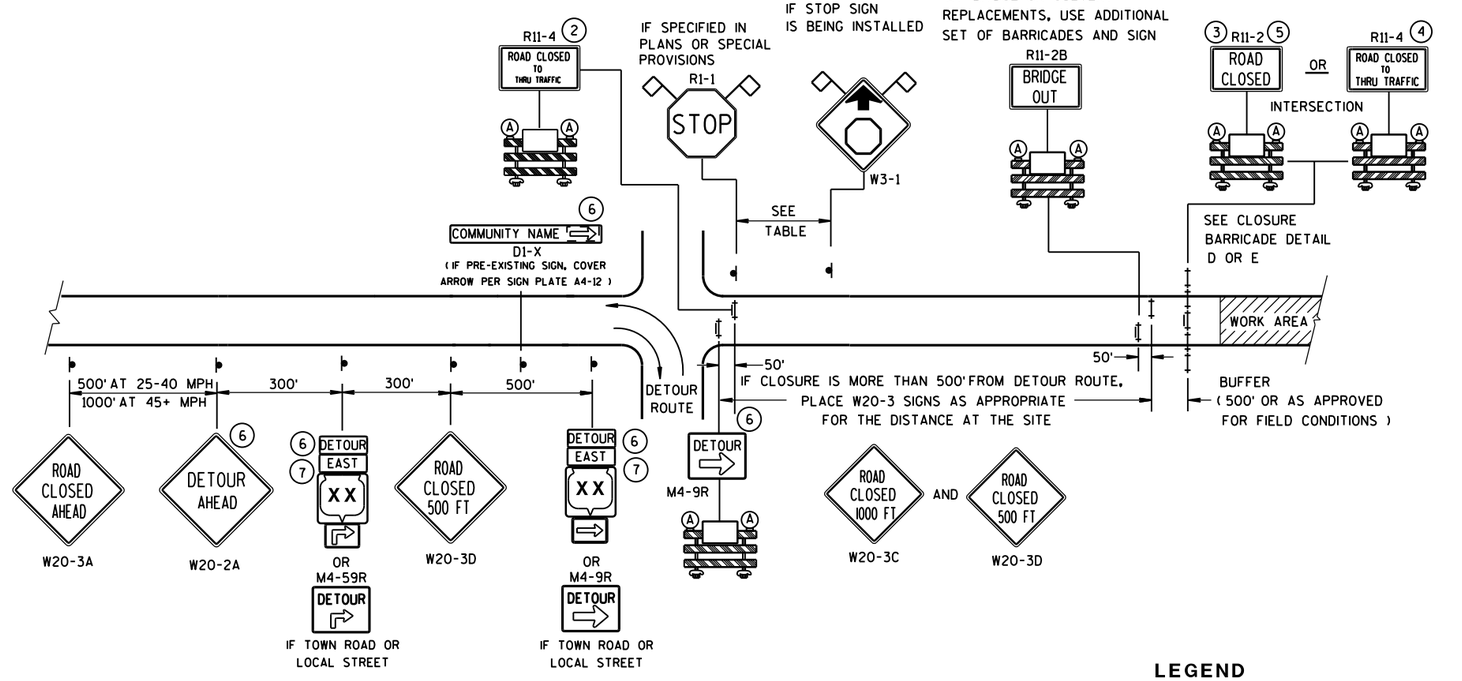
6

S.D.D. 15 B 3-15b



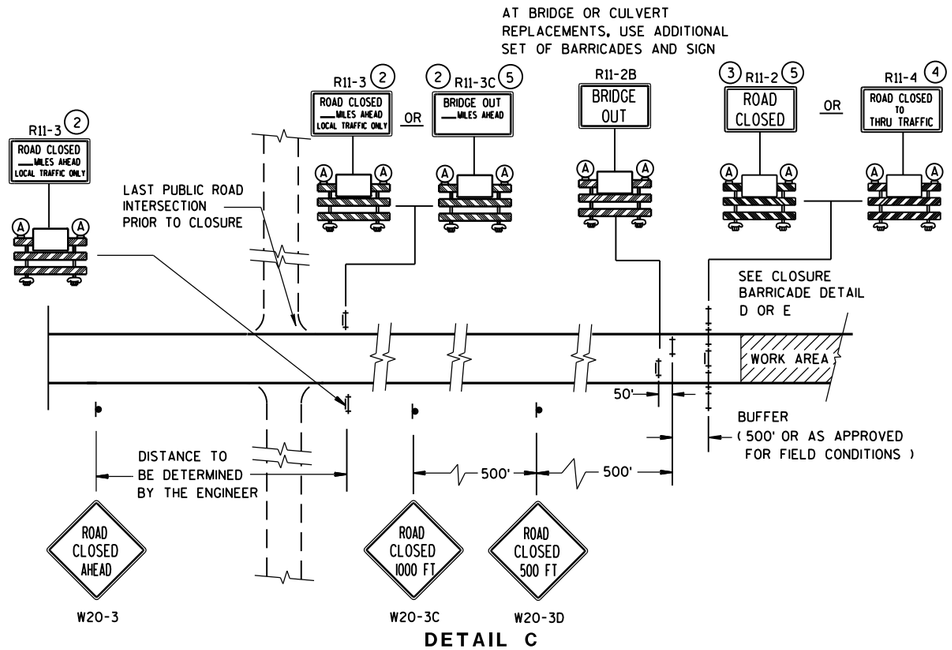
DETAIL A
MAINLINE CLOSURE WITH POSTED DETOUR

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



DETAIL B
MAINLINE CLOSURE WITH POSTED DETOUR

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



DETAIL C
MAINLINE CLOSURE, NO POSTED DETOUR

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

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

LEGEND

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

BARRICADES AND SIGNS FOR MAINLINE CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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

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

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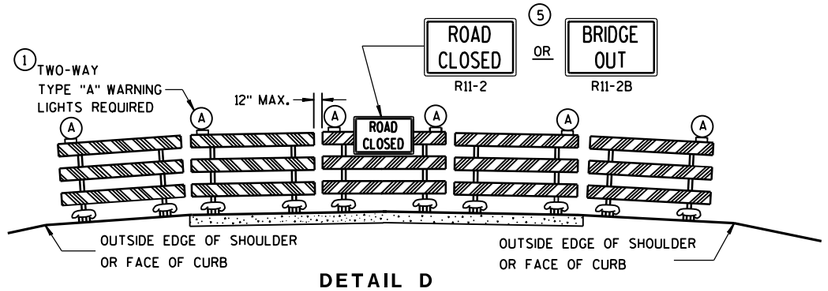
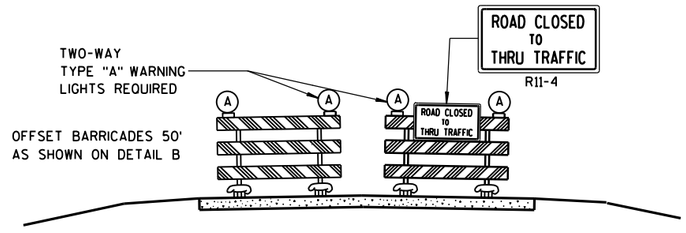
S.D.D. 15 C 2-6a



DETAIL D

ROAD CLOSURE BARRICADE DETAIL

APPROACH VIEW



DETAIL E

LANE CLOSURE BARRICADE DETAIL

APPROACH VIEW

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

GENERAL NOTES

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

BARRICADES AND SIGNS FOR MAINLINE CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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

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

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

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

GENERAL NOTES

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

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

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

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

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

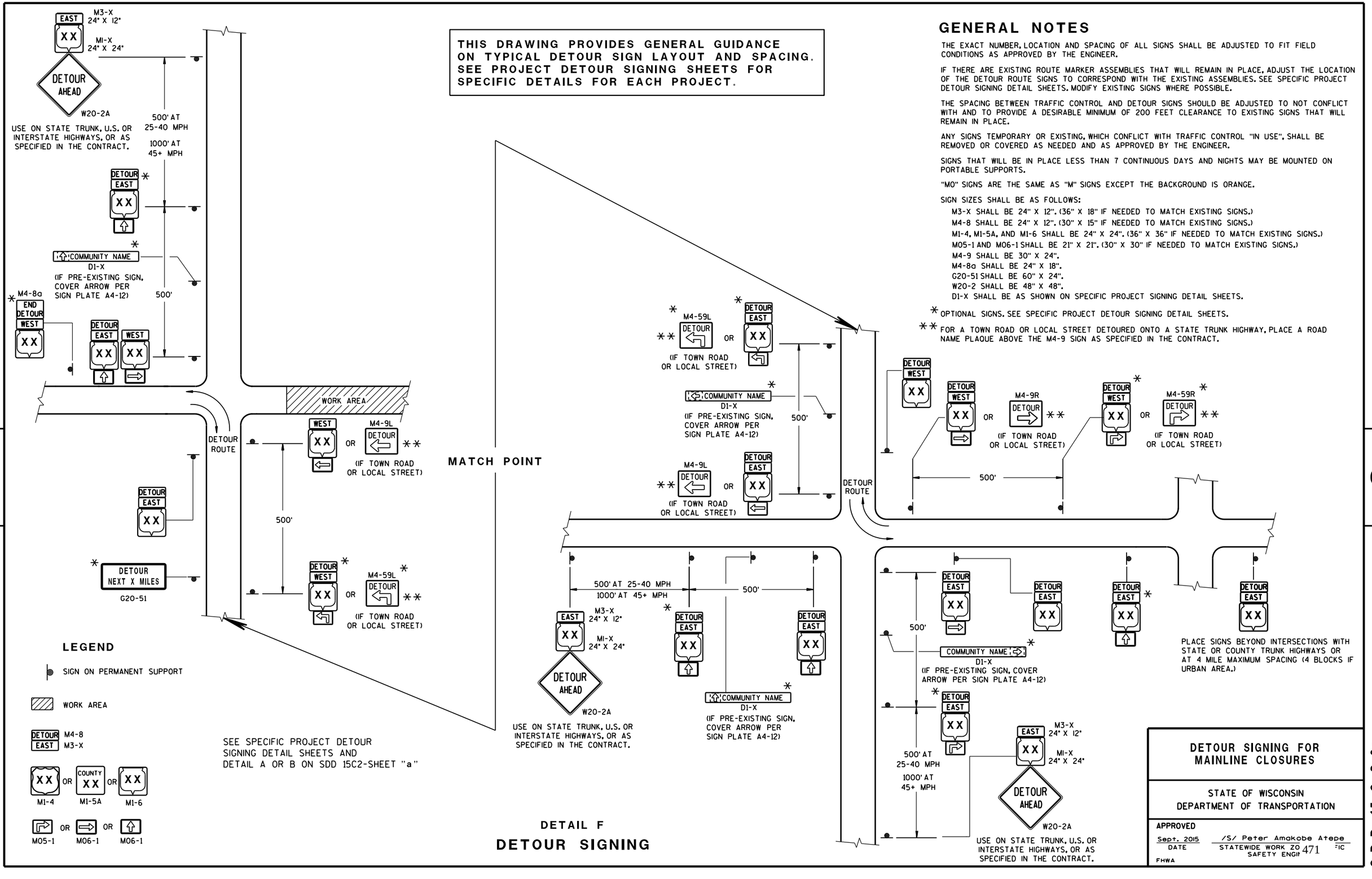
"MO" SIGNS ARE THE SAME AS "M" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

SIGN SIZES SHALL BE AS FOLLOWS:

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

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

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



DETAIL F

DETOUR SIGNING

DETOUR SIGNING FOR MAINLINE CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

Sept. 2015 — DATE

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

FHWA

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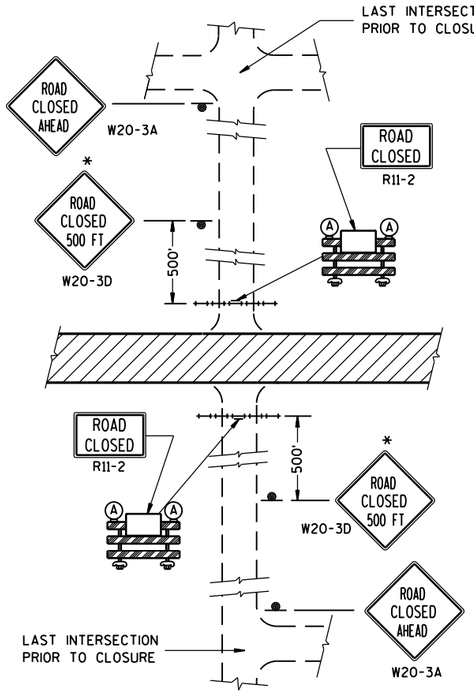
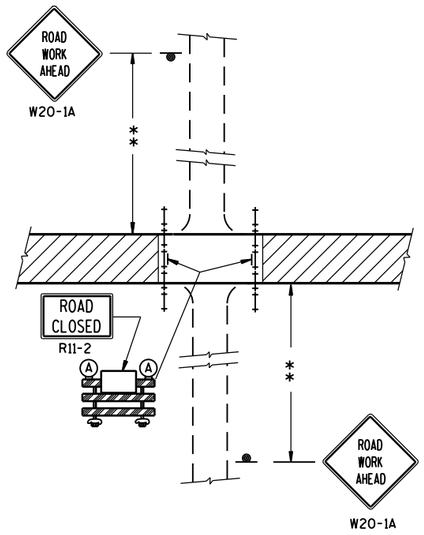
S.D.D. 15 C 2-6c



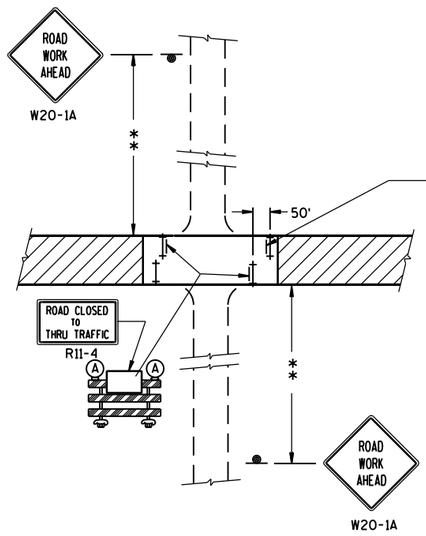
DETAIL 1

(NO ACCESS TO PROJECT)



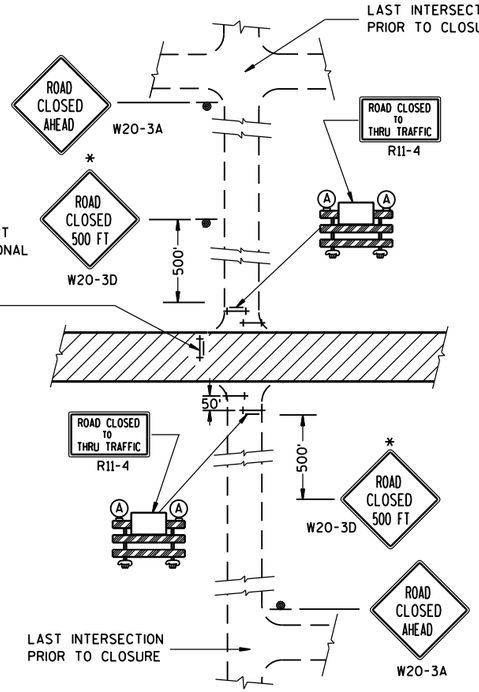
DETAIL 2

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



DETAIL 3

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



DETAIL 4

(CONTRACTOR, LOCAL BUSINESS AND
RESIDENT ACCESS TO PROJECT)

GENERAL NOTES

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

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

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

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

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

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

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

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

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

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

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

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

LEGEND

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

BARRICADES AND SIGNS FOR SIDEROAD CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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

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S.D.D. 15 C 3-3

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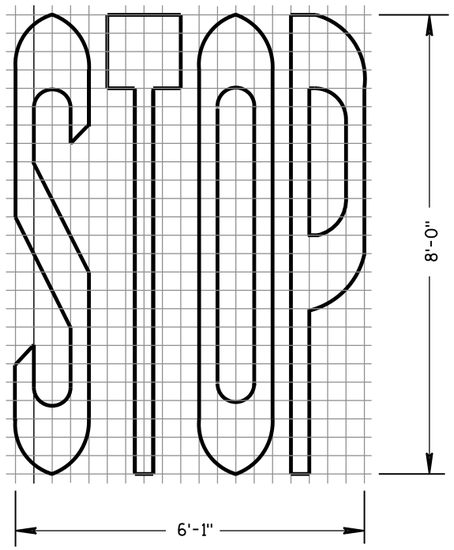
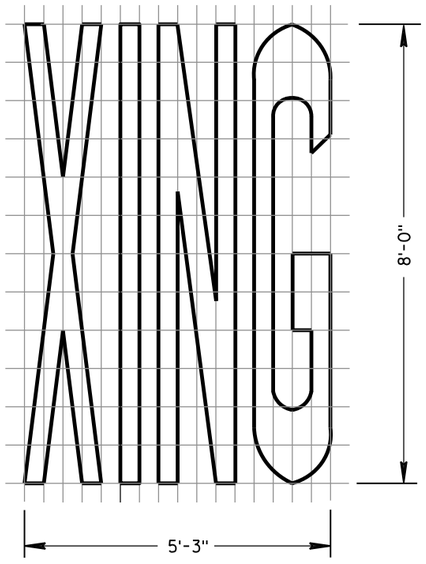
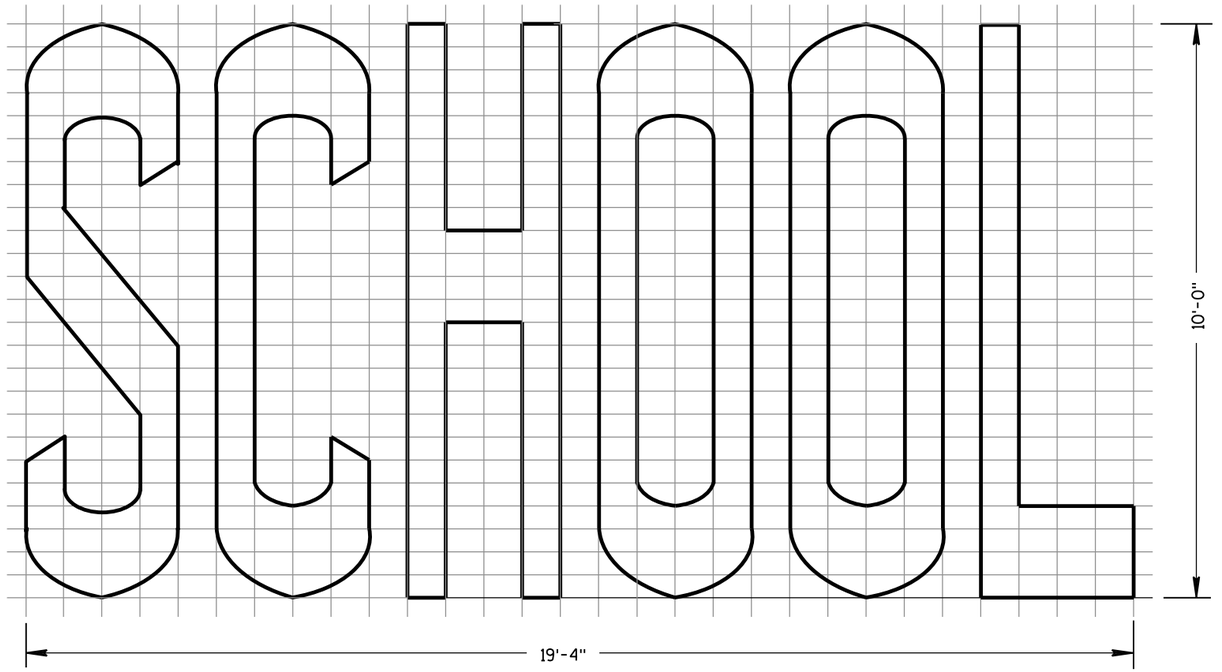
S.D.D. 15 C 3-3

GENERAL NOTES

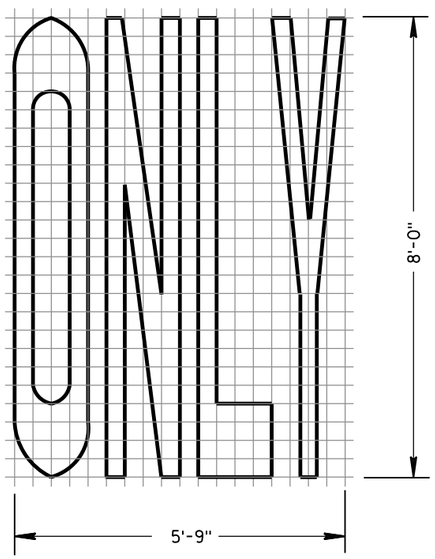
DETAILS OF INSTALLATION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.

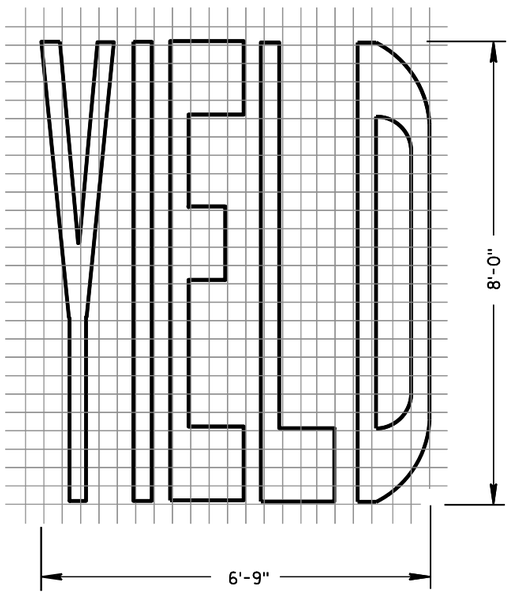


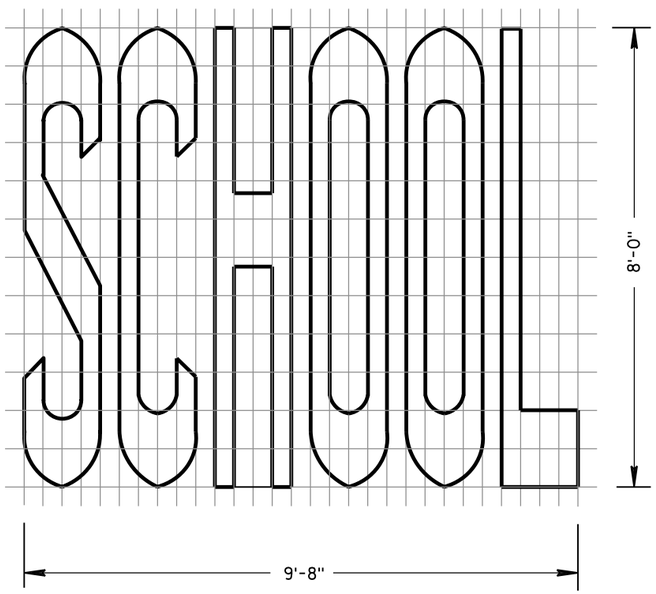




TWO-LANE







SINGLE-LANE

PAVEMENT MARKING WORDS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June 2017 — DATE
/S/ Matthew R. Rauch — STATE SIGNING AND MARK
EER
FHWA

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S.D.D. 15 C 7-14b

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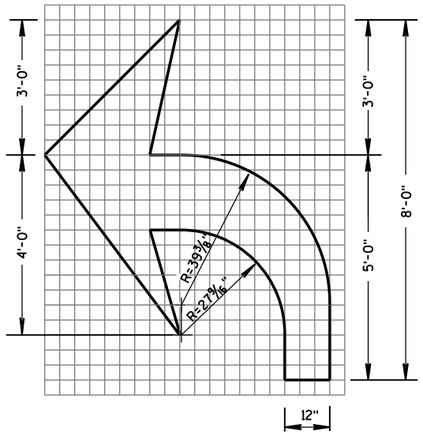
S.D.D. 15 C 7-14b

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.



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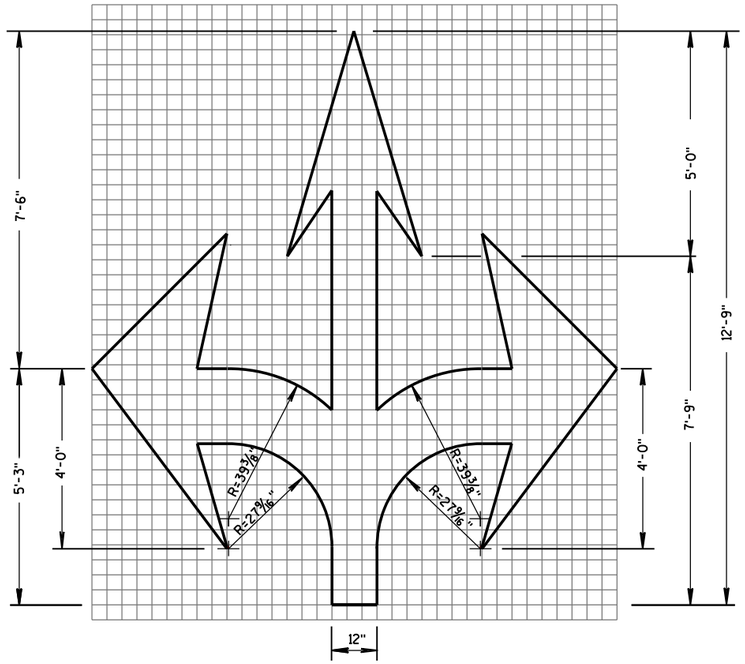
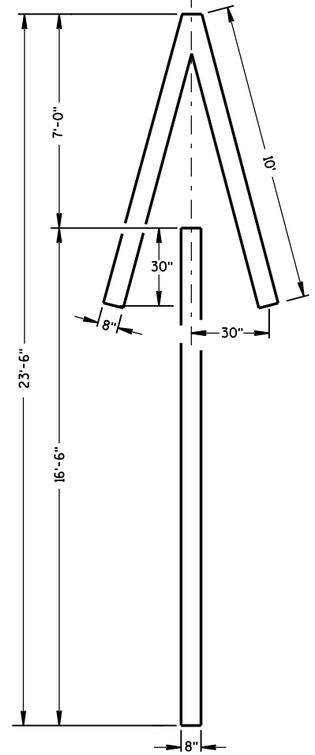


TYPE 6



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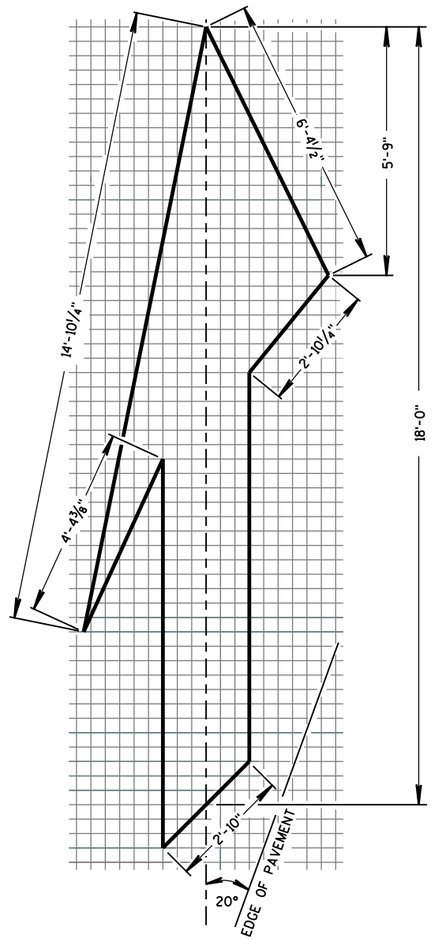
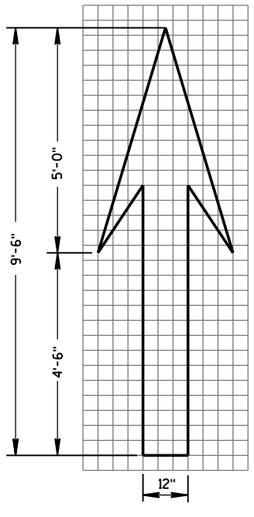
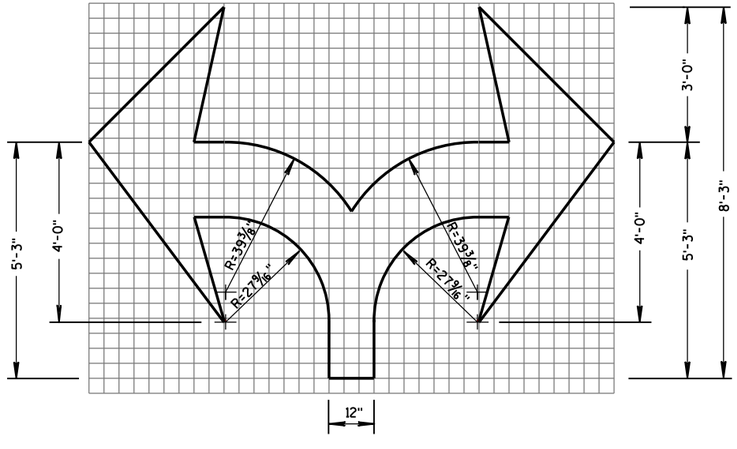


TYPE 5 LANE DROP ARROW



TYPE 1



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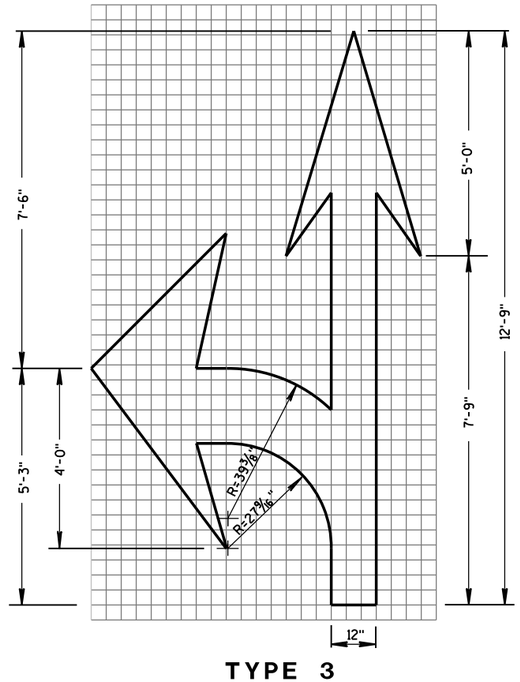

TYPE 3

PAVEMENT MARKING ARROWS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June 2017 — DATE
/S/ Matthew R. Rauch — STATE SIGNING AND MARKING ENGINEER
FHWA

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S.D.D. 15 C 7-14c

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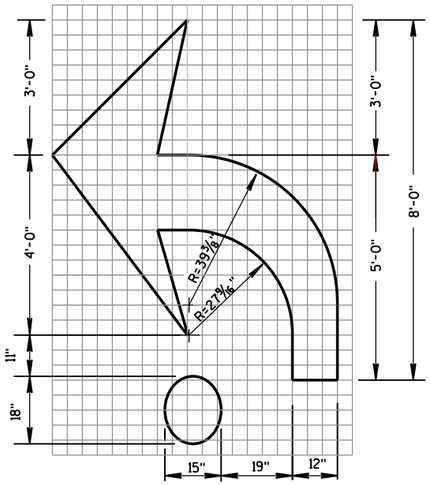
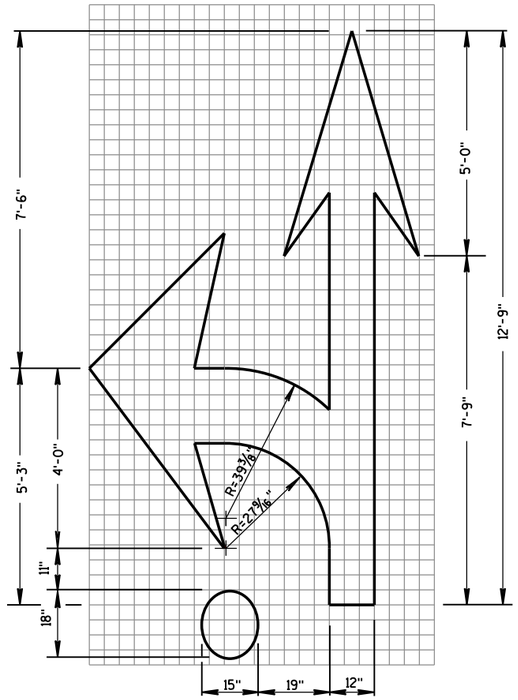
S.D.D. 15 C 7-14c

GENERAL NOTES

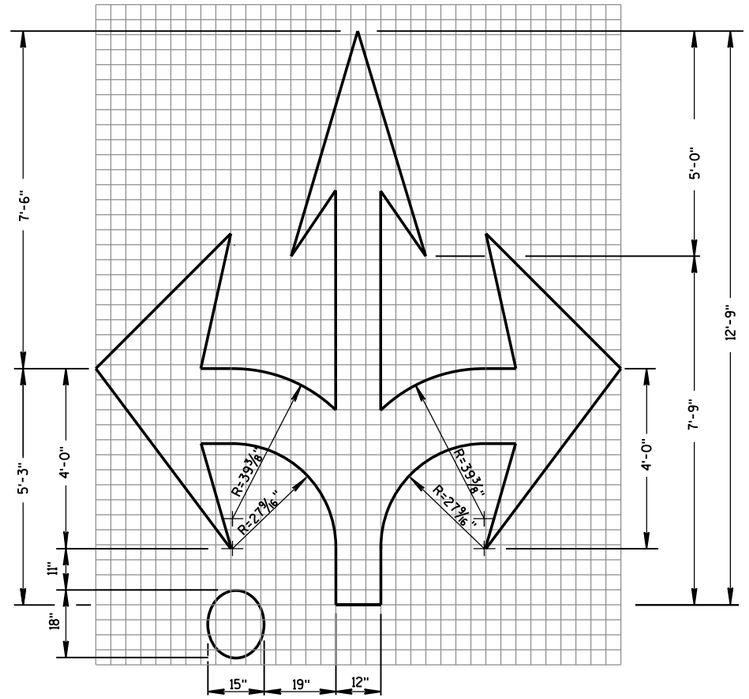
DETAILS OF INSTALLATION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.



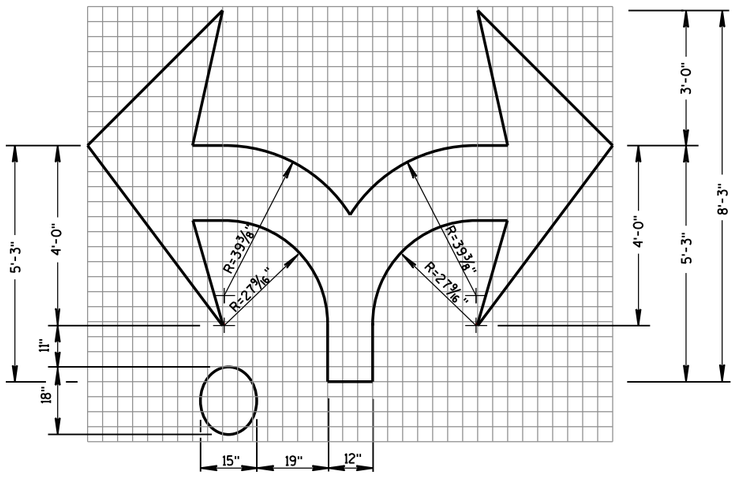
TYPE 2R



TYPE 3R



TYPE 6R



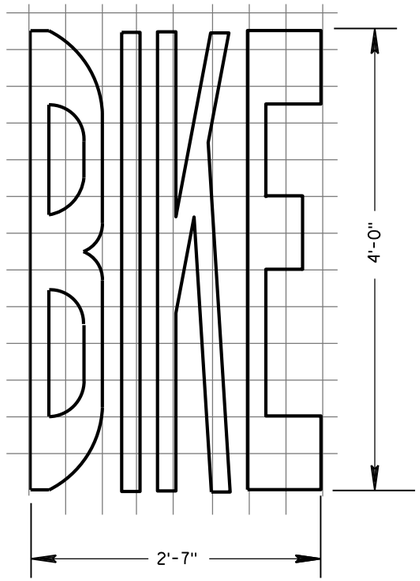
TYPE 7R

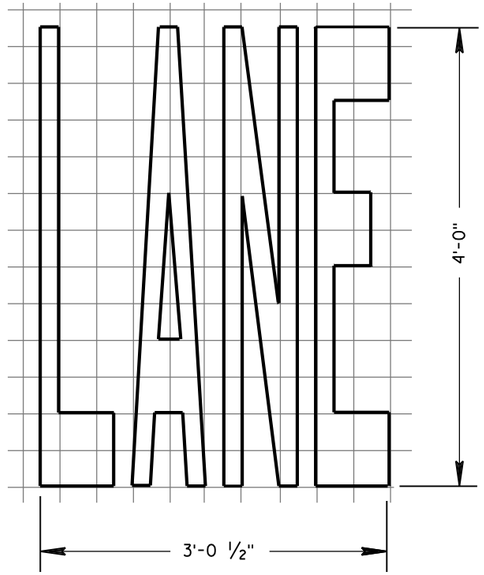
ROUNDABOUT ARROWS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

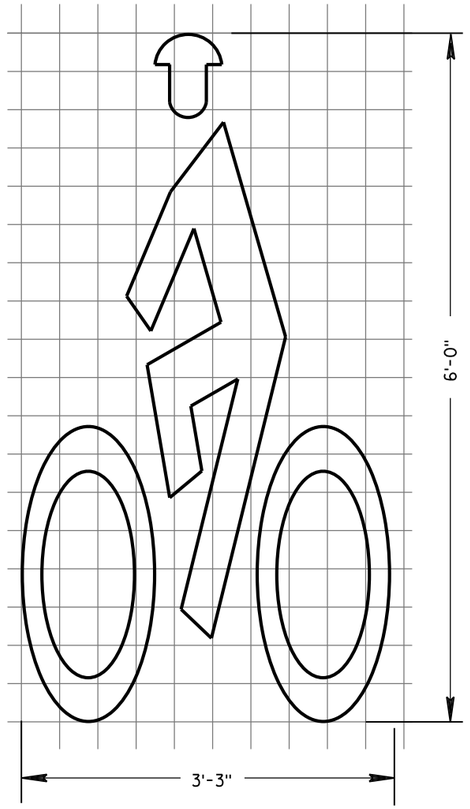
APPROVED
June 2017 — DATE
/S/ Matthew R. Rauch — STATE SIGNING AND MARKING ENGINEER
FHWA

6
S.D.D. 15 C 7-14d

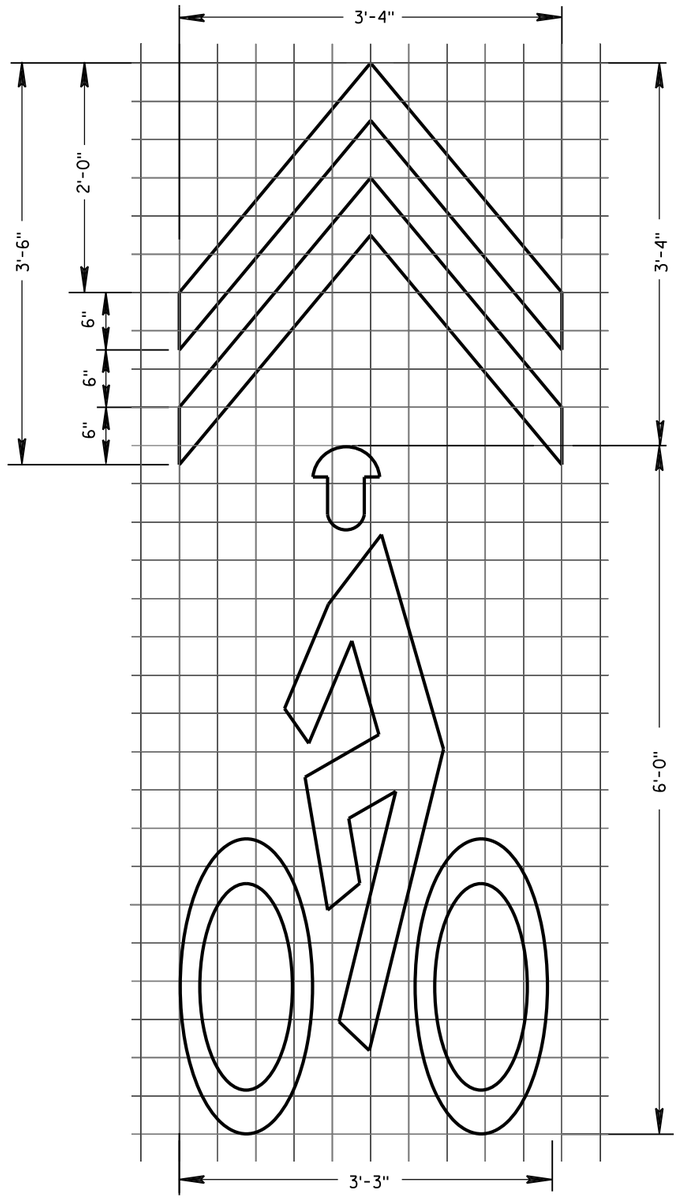




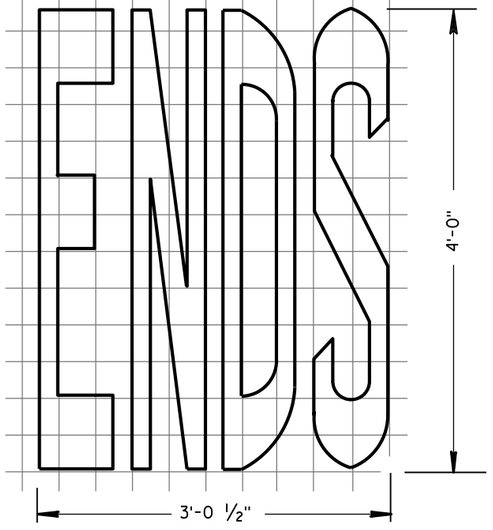
BIKE LANE WORDS



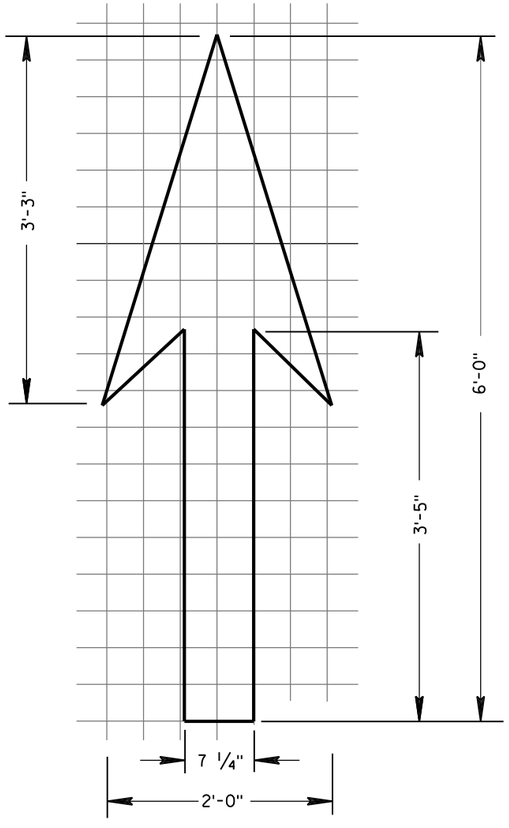
BIKE LANE SYMBOL



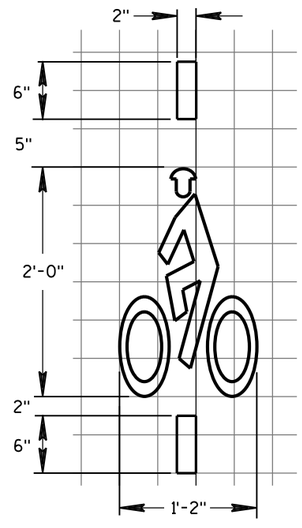
BIKE SYMBOL FOR SHARED LANE



BIKE LANE WORDS



BIKE LANE ARROW



BICYCLE DETECTOR PAVEMENT MARKING

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.

PAVEMENT MARKING FOR BIKE LANES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

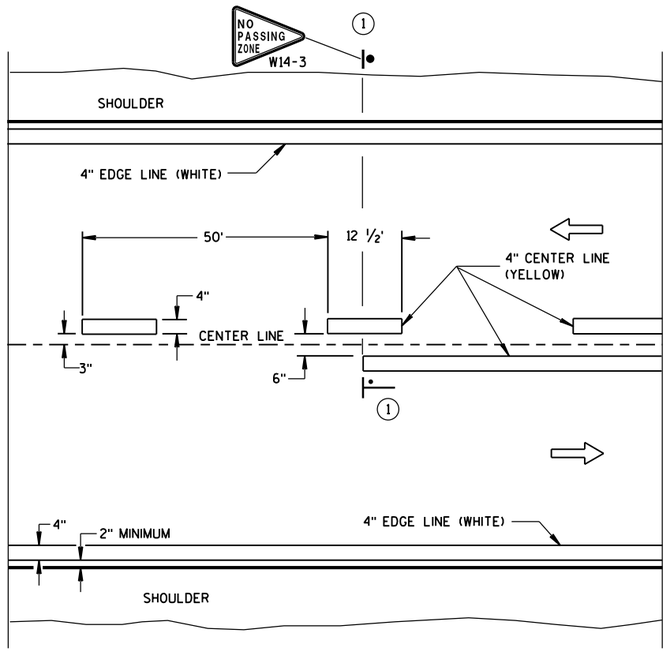
APPROVED
June 2017 — DATE
/S/ Matthew R. Rauch — STATE SIGNING AND MARKING ENGINEER
FHWA

6

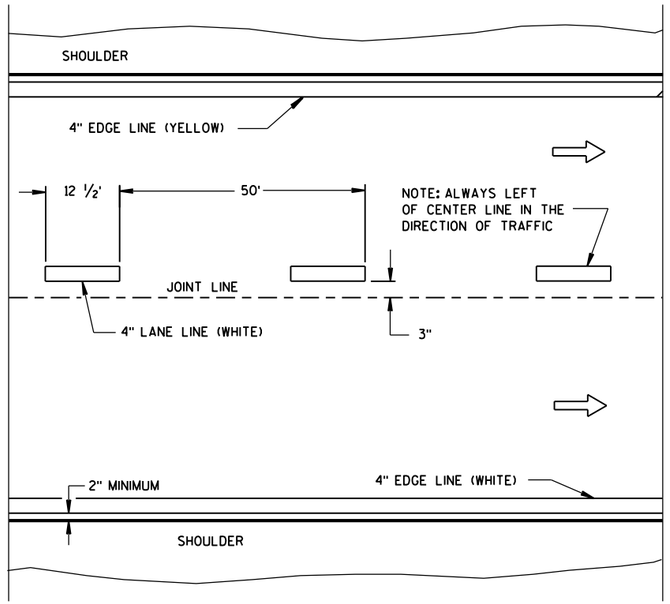
S.D.D. 15 C 7-14e

6

S.D.D. 15 C 7-14e



TWO WAY TRAFFIC



ONE WAY TRAFFIC

PERMANENT PAVEMENT MARKING

GENERAL NOTES

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

(1) LOCATE THE NO PASSING ZONE W14-3 SIGN WITHIN 50 FEET OF THE "T" MARKING.

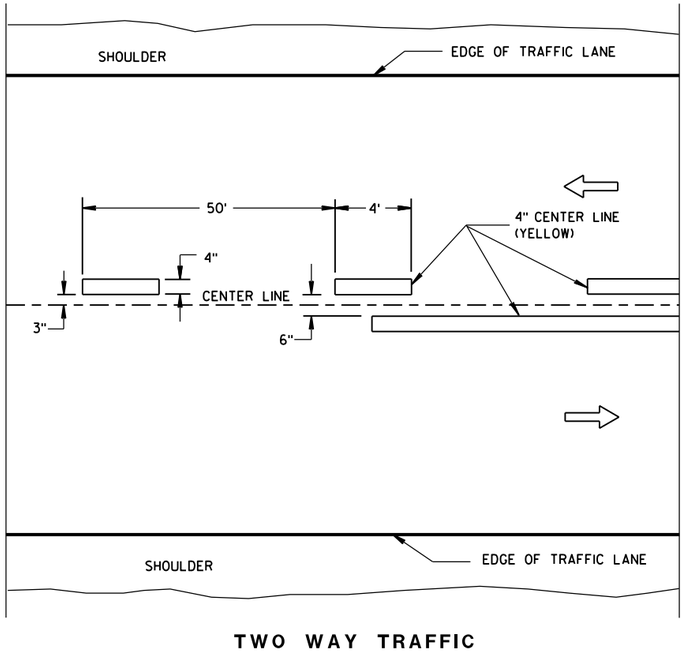
NOTE

ARROW SYMBOL (⇨) SHOWS DIRECTION OF TRAVEL

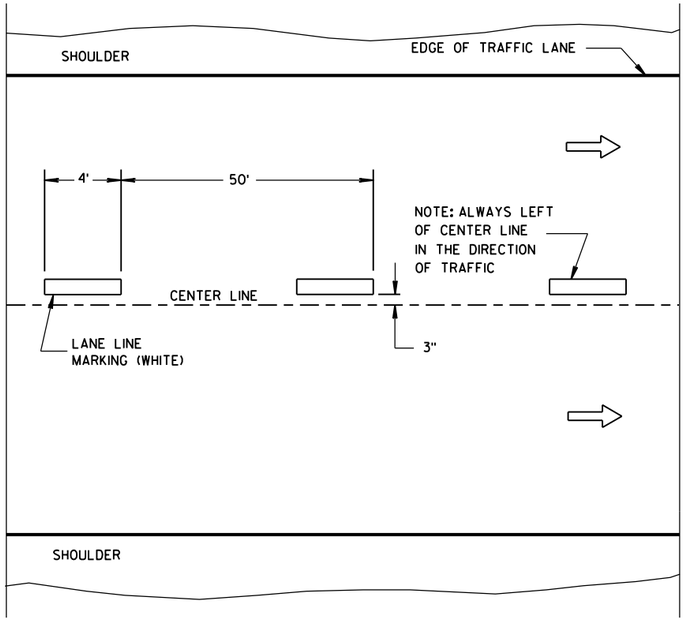
LEGEND

"T" MARKING

POST MOUNTED SIGN



TWO WAY TRAFFIC



ONE WAY TRAFFIC

TEMPORARY PAVEMENT MARKING

LONGITUDINAL MARKING (MAINLINE)	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED June 2017 DATE	/S/ Matthew R. Rauch STATE SIGNING AND MAR 477 INEER
FHWA	

6

S.D.D. 15 C 8-18a

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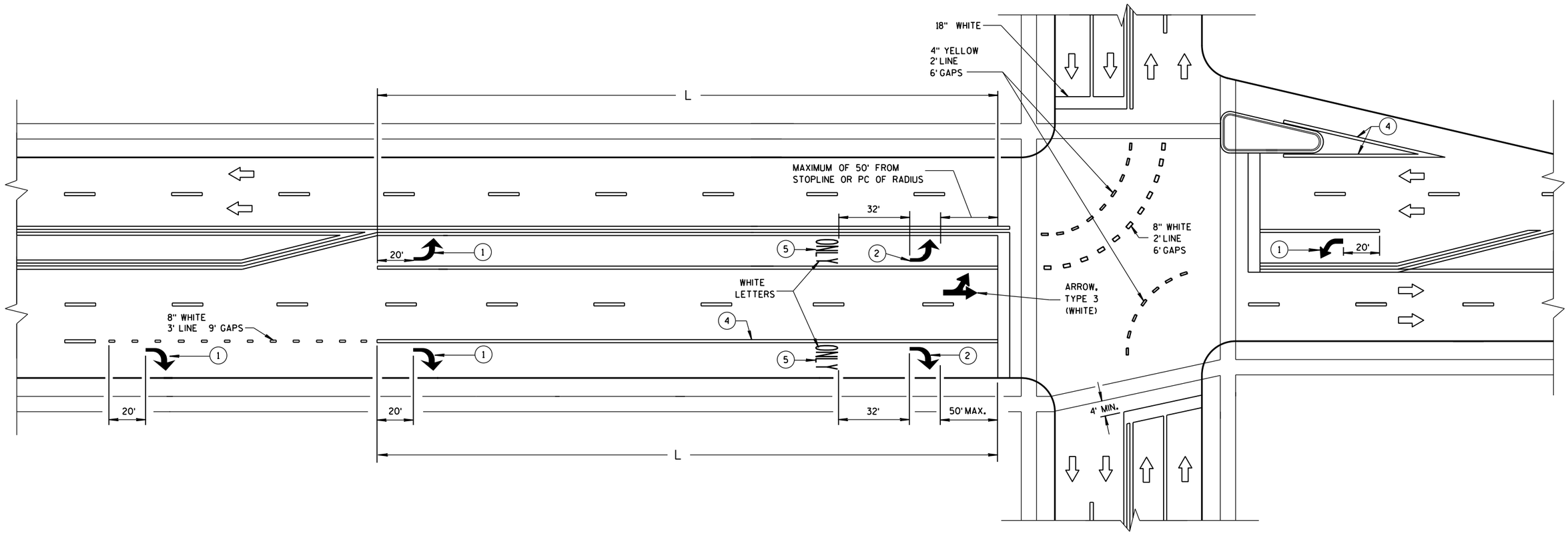
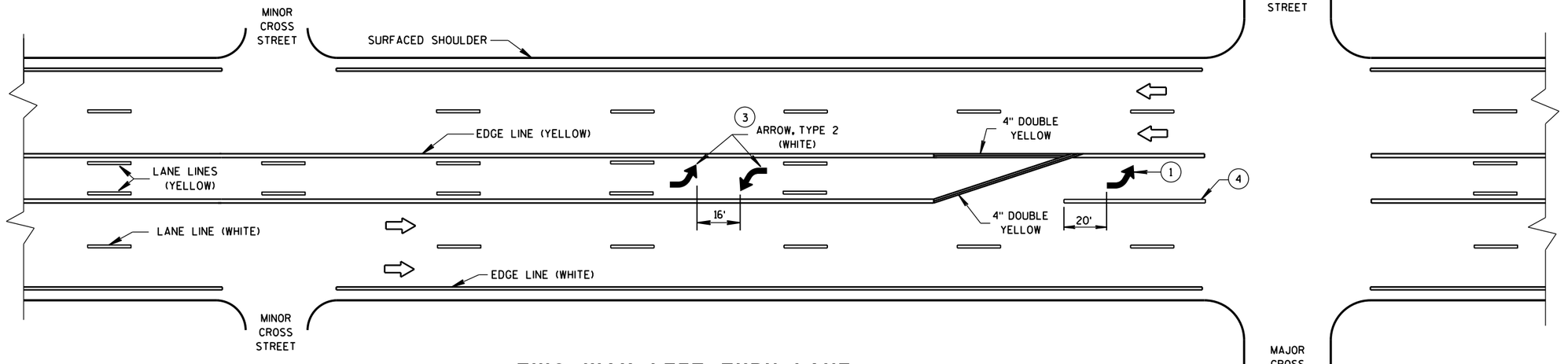
S.D.D. 15 C 8-18a





GENERAL NOTES

(1) REQUIRED ARROW, TYPE 2 (WHITE).

(2) REQUIRED ARROW, TYPE 2 (WHITE) WHEN L IS GREATER THAN 78 FEET AND LESS THAN OR EQUAL TO 166 FEET.

(3) A SET OF ARROWS IS REQUIRED EVERY 400 FEET OR NEAR INTERSECTIONS OR DRIVEWAYS WITH TURNING TRAFFIC.

(4) 8" WHITE

(5) REQUIRED WORD ONLY WHEN L IS GREATER THAN 166 FEET.

NOTE:
ARROW SYMBOL (⇨)
SHOWS DIRECTION OF TRAVEL

L = LENGTH OF TURN BAY

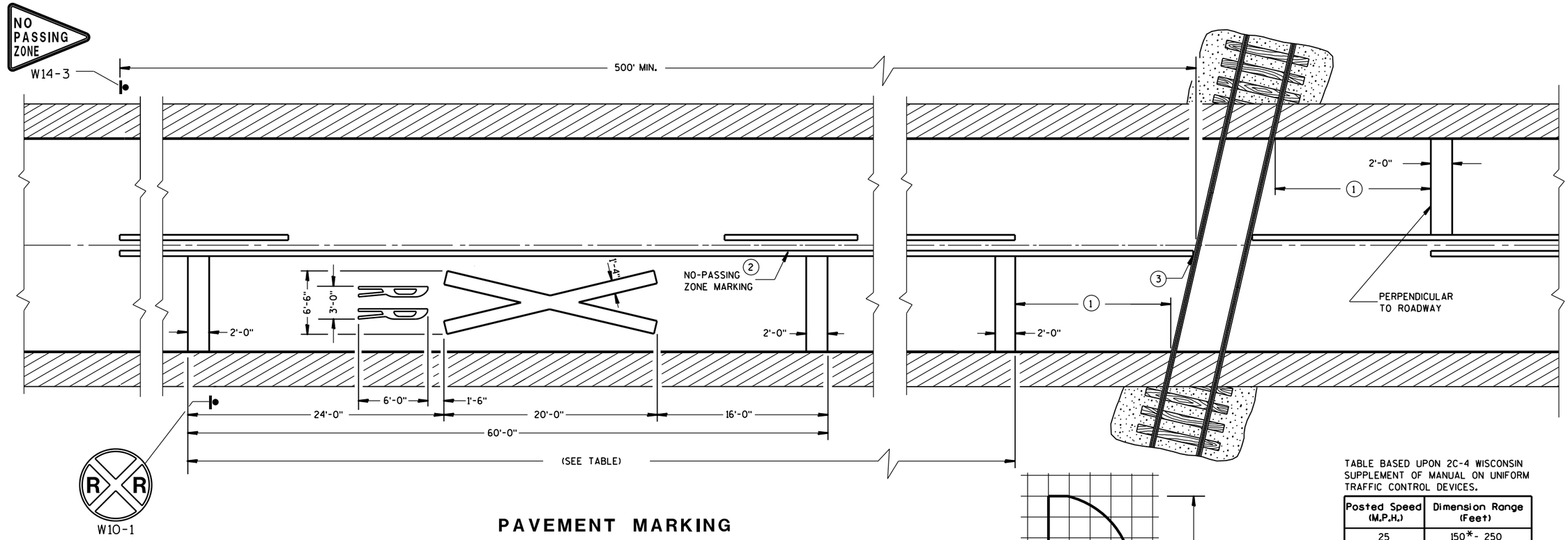
TWO WAY LEFT TURN LANE

PAVEMENT MARKING
(TURN LANES)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

6

S.D.D. 15 C 8-18b



PAVEMENT MARKING

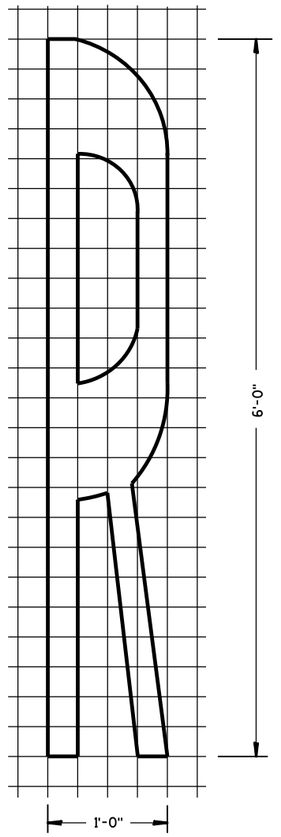


TABLE BASED UPON 2C-4 WISCONSIN SUPPLEMENT OF MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.

Posted Speed (M.P.H.)	Dimension Range (Feet)
25	150*- 250
30	200*- 300
35	250*- 450
40	300*- 500
45	400*- 650
50	550*- 800
55	750*- 1000
60	1000*- 1250
65	1000*- 1250

* THE MINIMUM DISTANCES IN THE TABLE ARE DESIRABLE AND SHOULD BE USED. THE DISTANCES MAY BE INCREASED UP TO THE MAXIMUM TO ALLOW FOR FIELD CONDITIONS SUCH AS THE CLOSE PROXIMITY OF DRIVEWAYS, BRIDGES, SIDEROADS OR OTHER FEATURES THAT WOULD PROHIBIT THE MINIMUM DISTANCES FROM BEING USED.

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.

ON MULTI-LANE ROADS THE TRANSVERSE BANDS SHOULD EXTEND ACROSS ALL APPROACH LANES, AND INDIVIDUAL R X R SYMBOLS SHOULD BE USED IN EACH APPROACH LANE.

CENTER OR LANE LINES AND NO-PASSING ZONE MARKINGS SHOWN ON THIS DRAWING ARE REQUIRED AND PAID FOR UNDER OTHER ITEMS IN THE CONTRACT.

RETRACE EXISTING SYMBOL WHERE EXISTING SYMBOLS ARE PLACED.

(1) MINIMUM 8' FROM ANY RAILROAD WARNING DEVICES (SIGNALS, GATES, ETC.) OR 25' FROM THE NEAREST RAIL, WHICHEVER DISTANCE IS GREATER.

(2) 500' MINIMUM. MARKING LIMITS MAY BE EXTENDED AS DIRECTED BY THE ENGINEER TO MEET ADJACENT NO-PASSING ZONE MARKINGS.

(3) FOR MULTIPLE TRACK CROSSINGS, THE BARRIER LINE SHALL EXTEND TO THE NEAR RAIL OF THE FURTHEST TRACK IN THE DIRECTION OF HIGHWAY TRAVEL.

SIGNING AND PAVEMENT MARKING DETAILS FOR RAILROAD-HIGHWAY GRADE CROSSINGS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

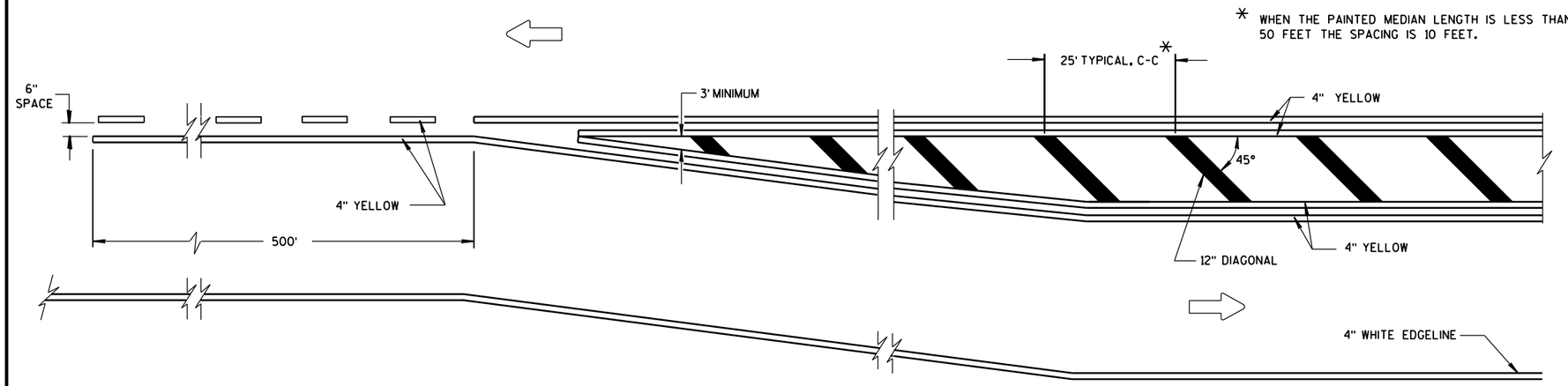
APPROVED
4-18-2016 DATE
/S/ Matthew R. Rauch
STATE SIGNING AND MAI[illegible] GINEER
FHWA

6

S.D.D. 15 C 9-10a

6

S.D.D. 15 C 9-10a

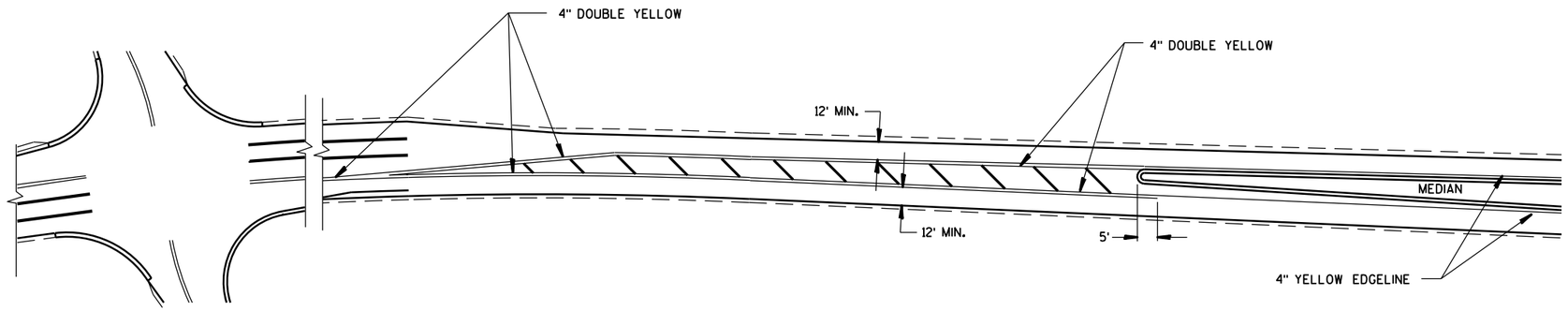


MEDIAN ISLAND DETAIL

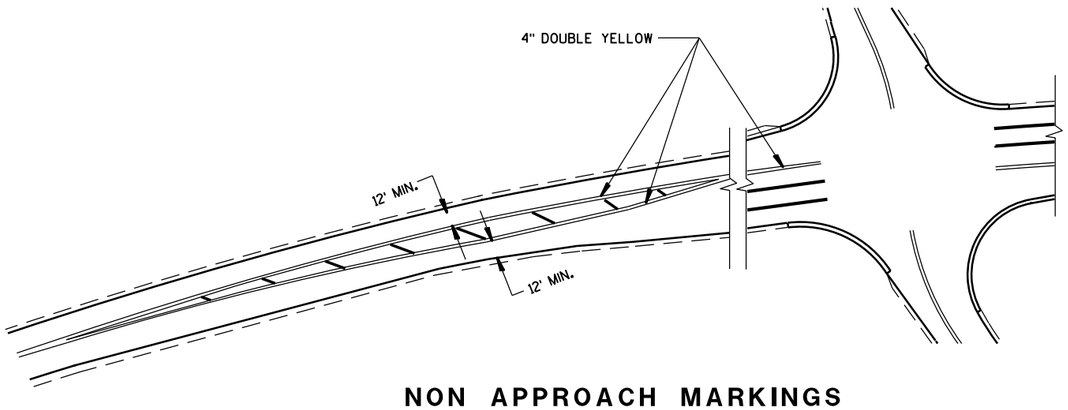
GENERAL NOTE

DIAGONALS ARE OPTIONAL WHEN PAINTED ISLAND IS LESS THAN 6 FEET AT WIDEST POINT.

DIRECTION OF TRAVEL



APPROACH MARKINGS FOR OTHER MEDIAN TYPES



NON APPROACH MARKINGS

MEDIAN ISLAND MARKING	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED June 2017 DATE FHWA	/S/ Matthew Rauch STATE SIGNING AND MARK 480 EER

6

S.D.D. 15 C 18-4

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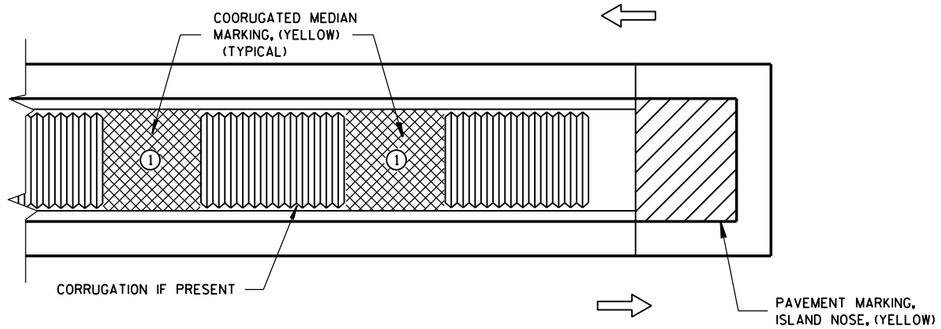
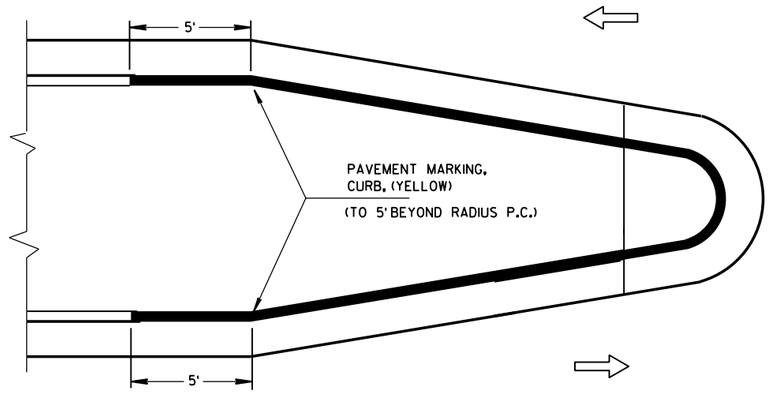
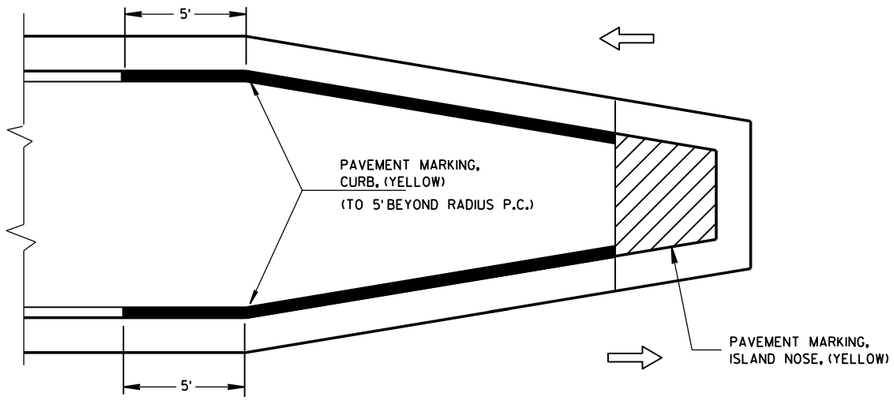
S.D.D. 15 C 18-4



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

GENERAL NOTES

(1) 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.

ISLAND NOSE MARKING

CURB MARKING

CORRUGATED MEDIAN MARKING

DIRECTION OF TRAVEL

PAVEMENT MARKING
(ISLANDS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

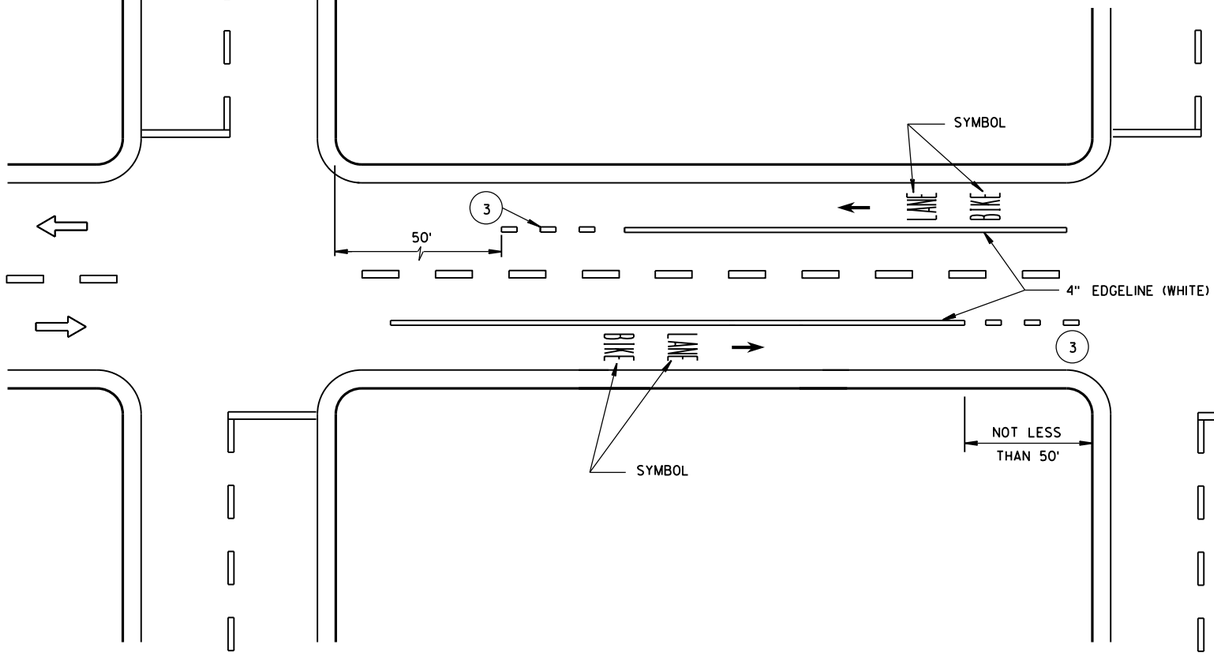
APPROVED
June 2017
DATE
/S/ Matthew Rauch
STATE SIGNING AND MARK 481 ENGINEER
FHWA

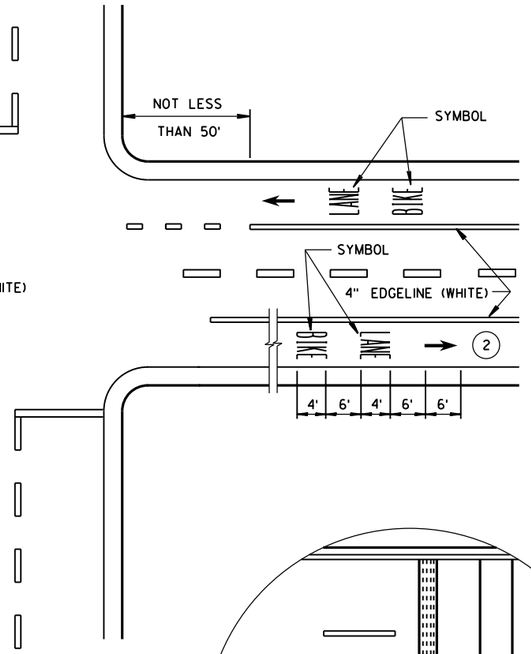
6

S.D.D. 15 C 27-2b

6

S.D.D. 15 C 27-2b



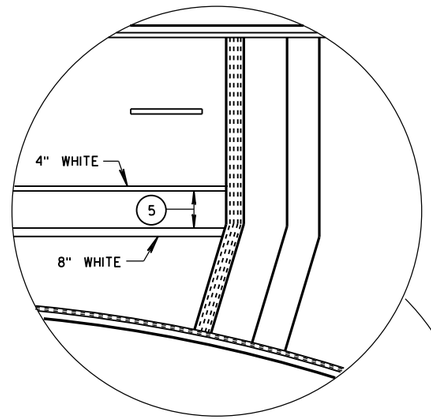


DESIGNATED BICYCLE LANE
NO PARKING

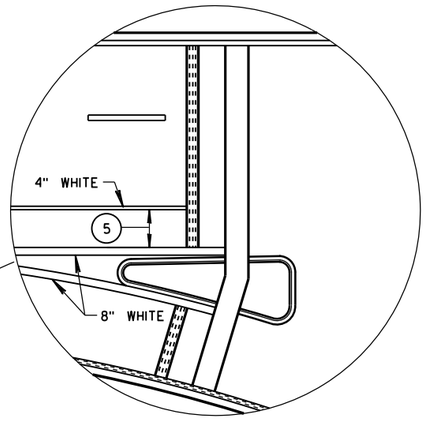
GENERAL NOTES

1. DETAILS OF CONSTRUCTION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO STANDARD SPECIFICATIONS AND SPECIAL PROVISIONS.
2. MINIMUM OF ONE PER BLOCK. MAXIMUM OF 250 FEET.
3. DOTTED LINES (3'LINE, 9'GAP) SHOULD BE USED 50 FEET TO 200 FEET IN ADVANCE OF AN INTERSECTION WHERE THERE IS NO RIGHT TURN ONLY LANE AND THERE IS HEAVY RIGHT TURN TRAFFIC OR THERE IS A NEAR-SIDE BUS STOP. AT OTHER INTERSECTIONS WHERE RIGHT TURN TRAFFIC IS LIGHT TO MODERATE, A SOLID LINE CAN BE USED UP TO THE INTERSECTION.
4. IF SIGNED AND/OR MARKED AS A BICYCLE FACILITY INCLUDE SECOND LINE OF LINE-SPACE MARKING, OTHERWISE DO NOT.
5. BIKE ACCOMODATION FOR CONCRETE PAVEMENT IS 5 FEET WIDE. BIKE ACCOMODATION FOR ASPHALT PAVEMENT IS A MINIMUM OF 4 FEET. USE 5 FEET AT ≥45 MPH.
6. OMIT THESE MARKINGS FOR WIDER TURN LANE APPLICATIONS (MINIMUM OF 15 FEET WIDE TURN LANE).
7. REFER TO CONTRACT PLANS FOR LANE WIDTH.

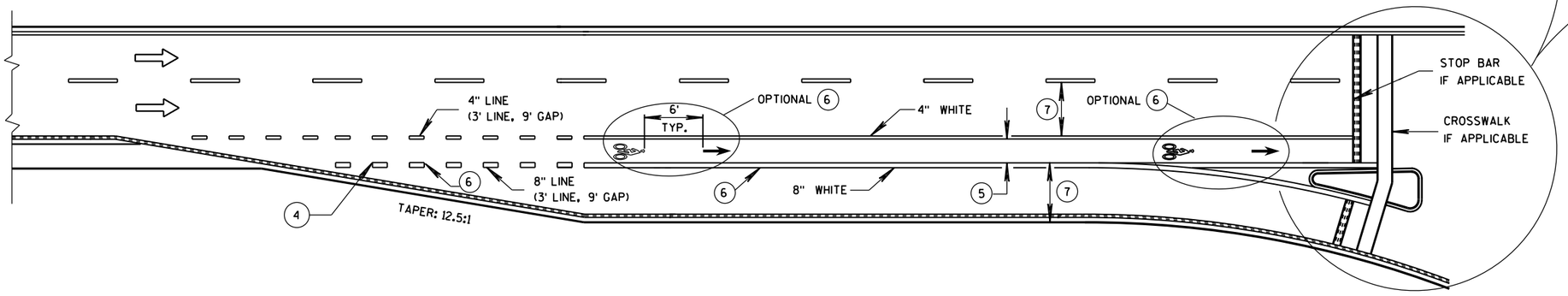
⇨ DIRECTION OF TRAVEL



4 LANE DIVIDED WITHOUT ISLAND



4 LANE DIVIDED WITH ISLAND



BIKE LANE - FOR 2-LANE ROADWAYS AND 4-LANE DIVIDED ROADWAYS
(4-LANE DIVIDED WITH RIGHT TURN LANE SHOWN)

BICYCLE LANE MARKING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

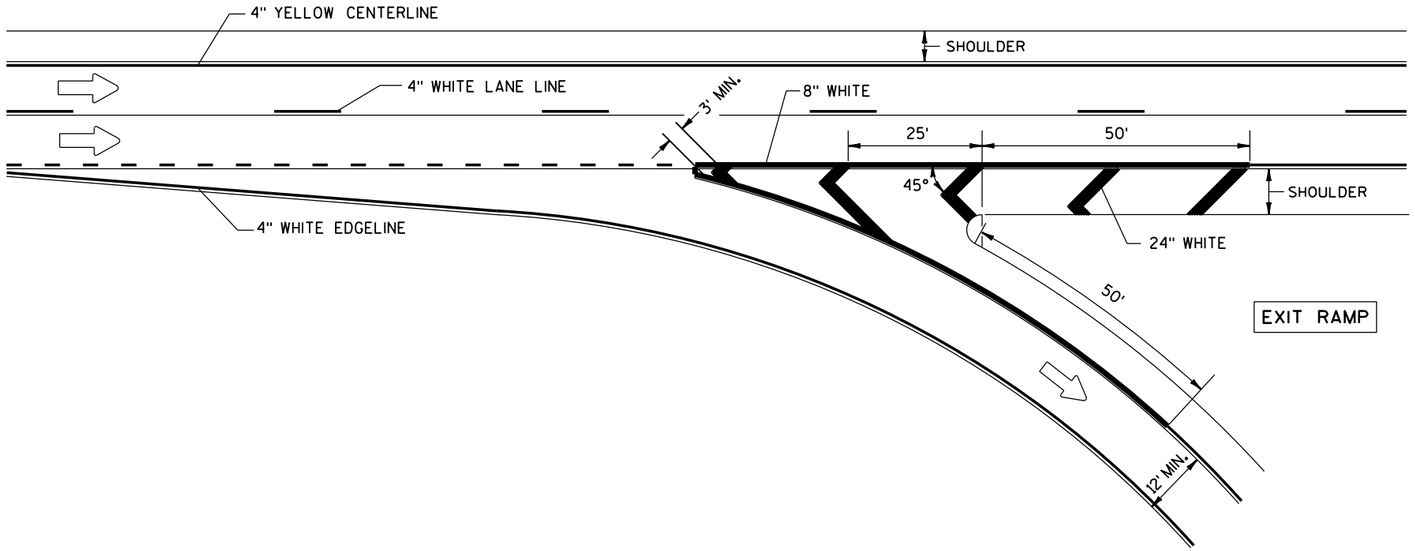
APPROVED
12-2016 DATE
/S/ Matthew R. Rauch
STATE SIGNING AND MARKING ENGINEER
FHWA

6

S.D.D. 15 C 29-5a

6

S.D.D. 15 C 29-5a



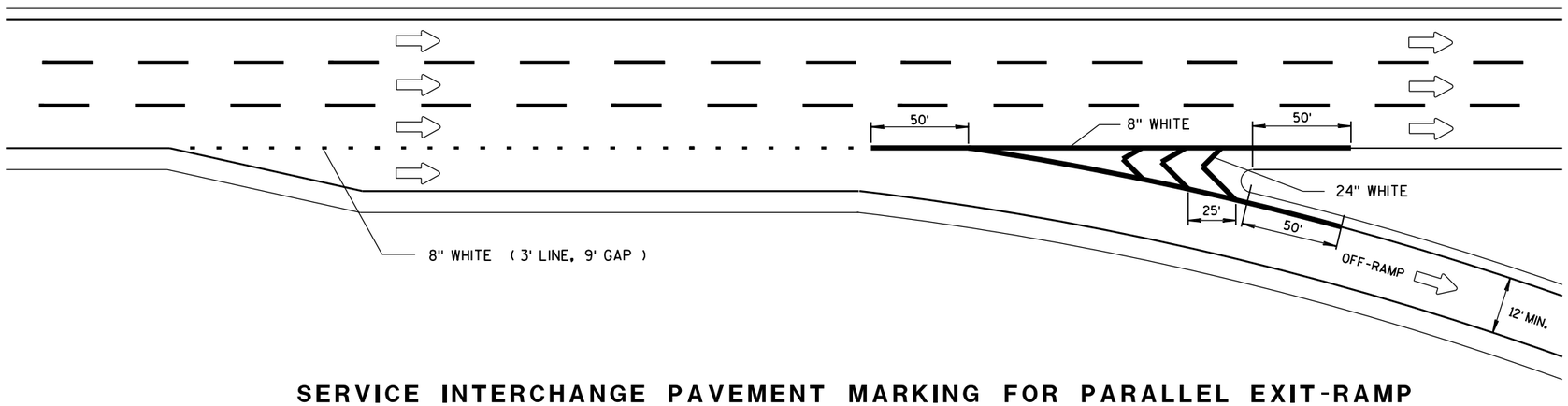
PAVEMENT MARKING FOR EXIT RAMP

GENERAL NOTES

PLACE GROOVE 3 INCHES LEFT OF JOINT.

LEGEND

DIRECTION OF TRAVEL



SERVICE INTERCHANGE PAVEMENT MARKING FOR PARALLEL EXIT-RAMP

6

S.D.D. 15 C 31-2a

PAVEMENT MARKING
(RAMPS AND GORES)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

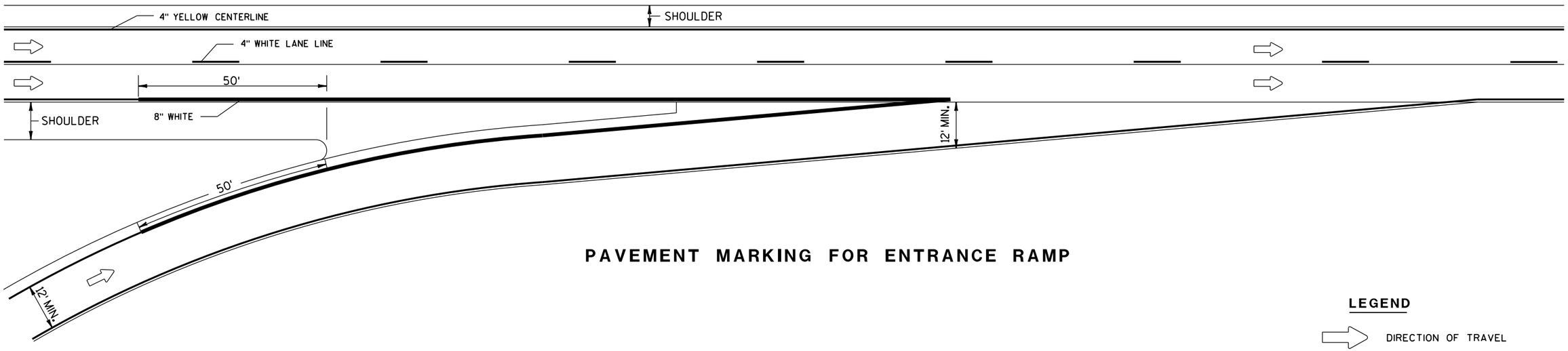
6

S.D.D. 15 C 31-2a

GENERAL NOTES

PLACE GROOVE 3 INCHES LEFT OF JOINT.

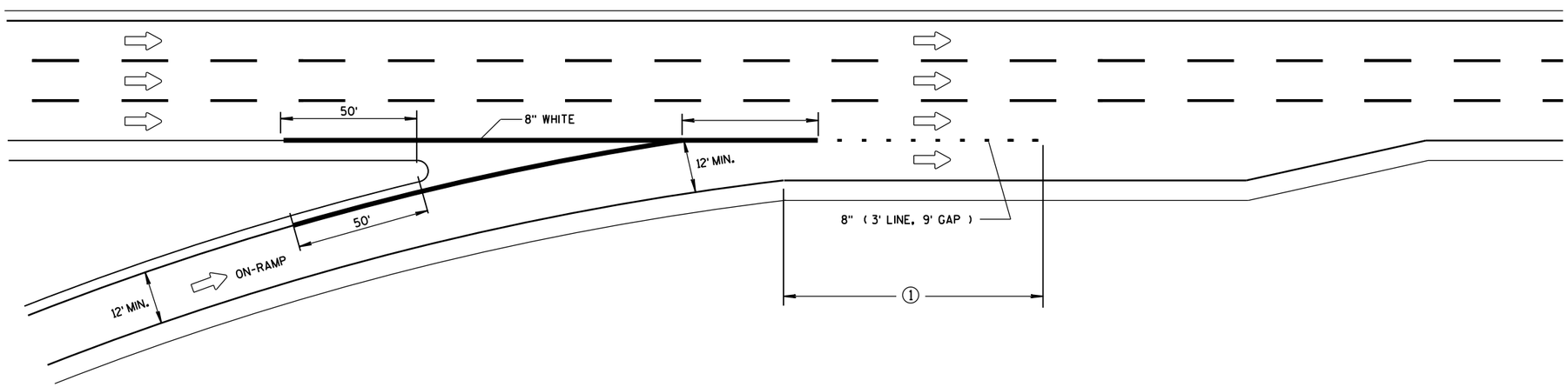
① ½ LENGTH OF FULL WIDTH ACCELERATION LANE.



PAVEMENT MARKING FOR ENTRANCE RAMP

LEGEND

DIRECTION OF TRAVEL



SERVICE INTERCHANGE PAVEMENT MARKING FOR PARALLEL ENTRANCE-RAMP

PAVEMENT MARKING FOR PARALLEL ON-RAMP AND PARALLEL OFF-RAMP

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

Sept., 2016
DATE

/S/ Matthew R. Rauch
STATE SIGNING AND MAR 484 NEER

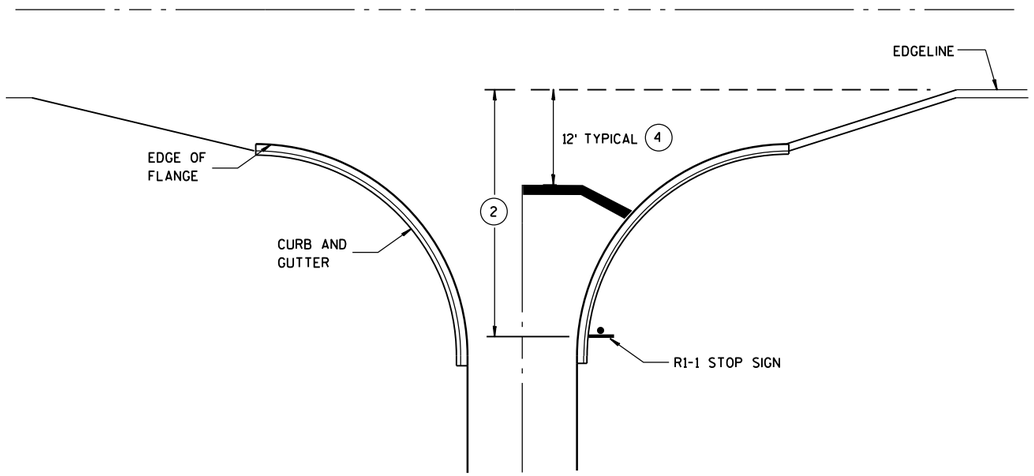
FHWA

6

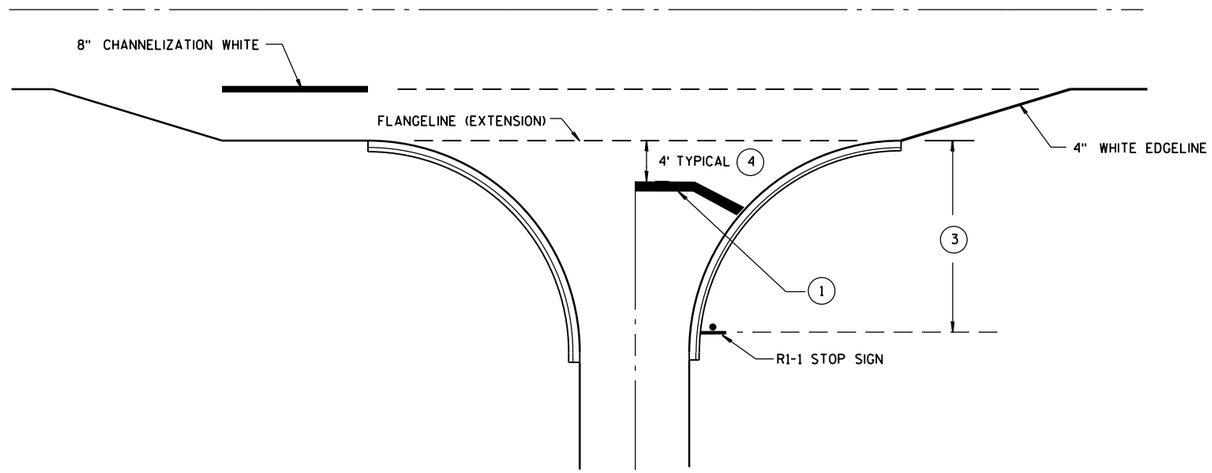
S.D.D. 15 C 31-2c

6

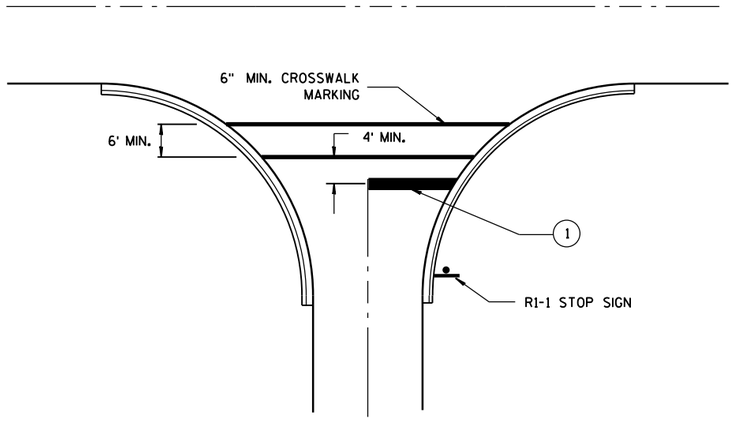
S.D.D. 15 C 31-2c



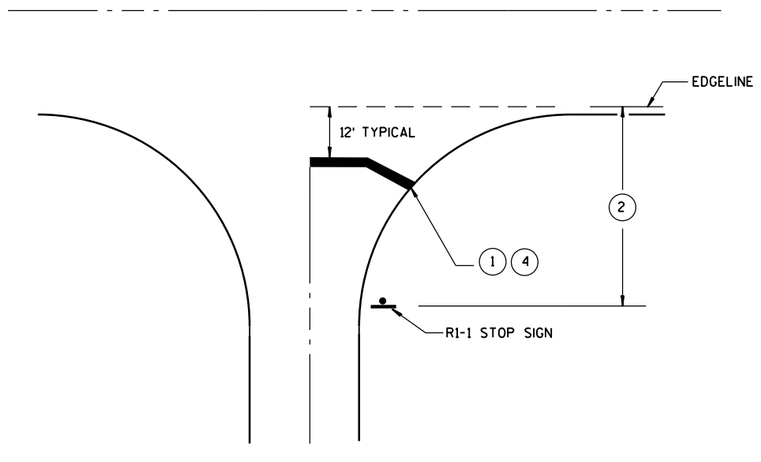
TYPICAL STOP LINE PAVEMENT MARKING WITH CURB AND GUTTER



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. (NO CLOSER THAN 4 FEET).

STOP LINE AND CROSSWALK PAVEMENT MARKING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

4-18-2016
DATE

/S/ Matthew R. Rauch
STATE SIGNING AND MAR 485 NEER

FHWA

6
S.D.D. 15 C 33-2

LEGEND

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

GENERAL NOTES

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

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

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

ALL SIGNS ARE 48"x48" UNLESS OTHERWISE NOTED.

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

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

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

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

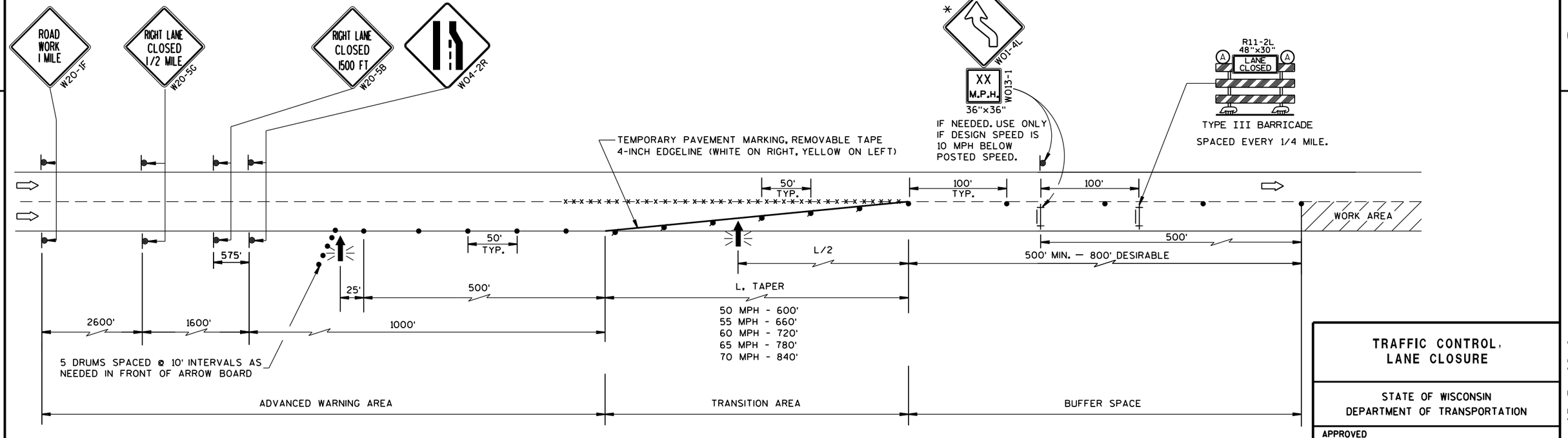
REMOVE PAVEMENT MARKINGS IF LANE CLOSURE IS TO BE IN PLACE FOR LONGER THAN 4 OR MORE DAYS AND NIGHTS.

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

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

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

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



TRAFFIC CONTROL, LANE CLOSURE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
March 2016 — DATE
/S/ Peter Amakobe Atepe
STATEWIDE WORK ZO SAFETY ENGI IC
FHWA

6

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

LEGEND

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

GENERAL NOTES

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

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

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

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

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

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

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

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

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

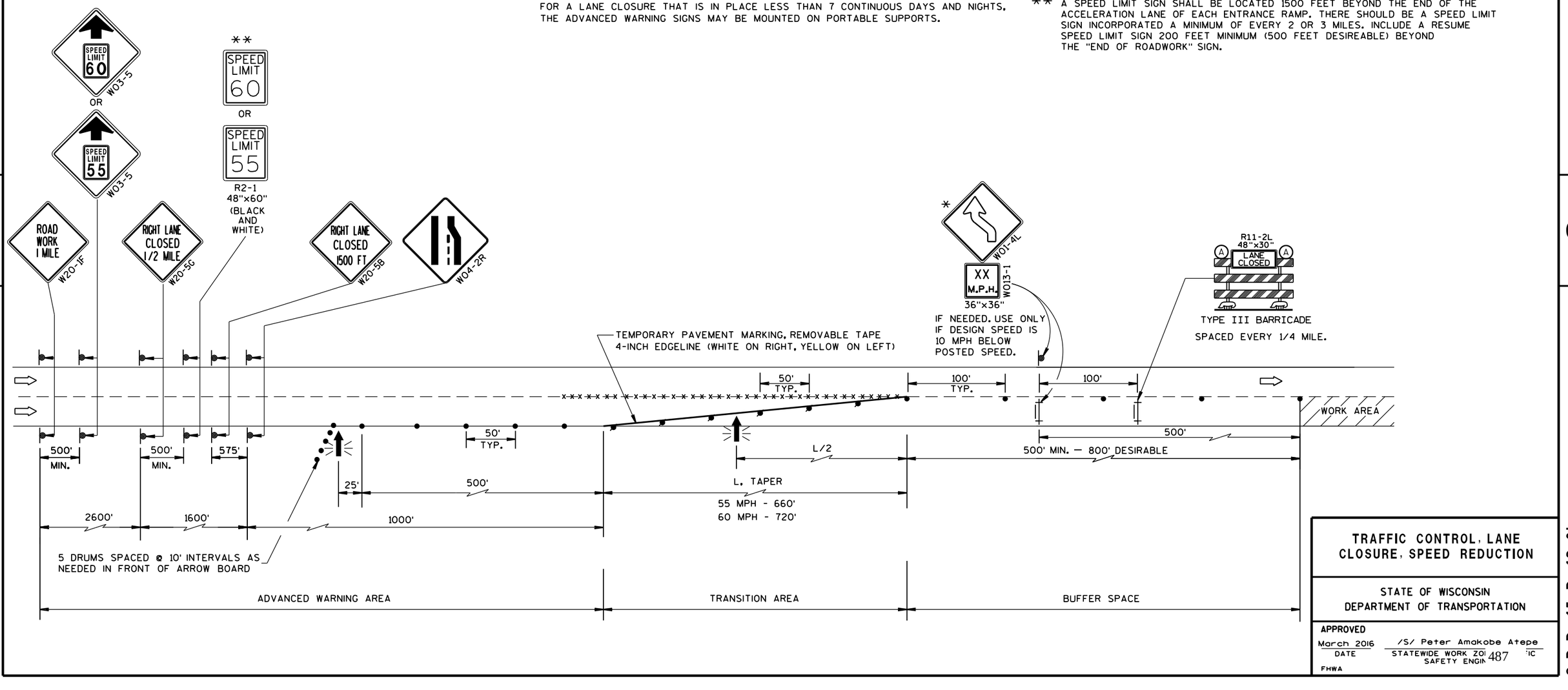
WARNING LIGHTS ARE NOT REQUIRED IF THE LANE CLOSURE IS A DAYTIME ONLY OPERATION.

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

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

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

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



TRAFFIC CONTROL, LANE CLOSURE, SPEED REDUCTION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

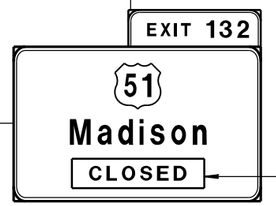
APPROVED
March 2016 — DATE
/S/ Peter Amakobe Atepe
STATEWIDE WORK ZO SAFETY ENGI IC
FHWA

6

S.D.D. 15 D 12-6b

G20-60
108"x24"

OR



G20-60
108"x24"

PLACE SIGN G20-60 OVER MILEAGE
ON EXISTING E1-1A SIGN

COVER ARROW ON
EXISTING E4-1A
SIGN (COVERING
SIGNS TYPE I)

G20-61
120"x30"

TEMPORARY PAVEMENT MARKING
4" REMOVABLE TAPE, WHITE
(ACROSS THE RAMP OPENING)

END
ROAD WORK
*G20-2A
48"x24"

25' TYP.

100' MIN.

200'

EDGE OF SHOULDER

COVER EXISTING
EXIT SIGN

ROAD
WORK
AHEAD
*W20-1A

RAMP
CLOSED
AHEAD
W20-53A

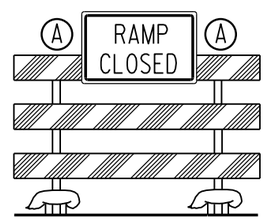
RAMP
CLOSED
1000 FT
W20-53C

1500'

1500'

1000'

R11-2R
48" X 30"
MOUNTED ON
TYPE III BARRICADE



RAMP WILL
BE CLOSED
(TIME)
BEGINNING
(DATE)

**R11-51
48"X48"
(OR SPECIAL SIGN IF INDICATED IN PLAN)

GENERAL NOTES

THIS RAMP CLOSURE DETAIL IS TYPICAL FOR CLOSING A RIGHT SIDE EXIT RAMP. FOR A LEFT SIDE EXIT RAMP, REVERSE THE TRAFFIC CONTROL.

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 MINIMUM OF 200 FEET (500 FEET DESIRABLE) CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

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

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.

PLACE TEMPORARY PAVEMENT MARKING, REMOVABLE TAPE IF RAMP CLOSURE IS TO BE IN PLACE FOR 4 OR MORE CONTINUOUS DAYS AND NIGHTS.

WORK AREAS WITH A DROPOFF ALONG THE EDGE OF AN OPEN TRAVEL LANE SHALL BE LEVELED WITH TEMPORARY FILL WHEN THE CONTRACTOR IS NOT WORKING ADJACENT TO THE TRAVEL LANE. DRUMS SHALL BE PLACED ENTIRELY OUTSIDE THE TRAVEL LANE, ALLOWING THE FULL UNOBSTRUCTED LANE WIDTH, WHEN THE WORK IS NOT IN PROGRESS.

WHERE MEDIAN BARRIER IS IN PLACE, SIGNS SHOWN ON LEFT SIDE OF ROADWAY MAY BE OMITTED FOR RIGHT SIDE RAMP CLOSURES OF LESS THAN 12-HOUR DURATION.

* W20-1 AND G20-2A SIGNS ARE NOT REQUIRED IF THE RAMP CLOSURE IS WITHIN A LARGER WORK ZONE WHERE THESE SIGNS ARE ALREADY PRESENT.

** PLACE "RAMP WILL BE CLOSED" SIGN 7 CALENDAR DAYS PRIOR TO CLOSURE OR AS DIRECTED BY THE ENGINEER. SEE WISCONSIN STANDARD SIGN PLATES FOR SIGN LAYOUT.

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- SIGN ON PERMANENT SUPPORT
- TYPE "A" WARNING LIGHT (FLASHING)
- DIRECTION OF TRAFFIC

TRAFFIC CONTROL, EXIT RAMP CLOSURE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

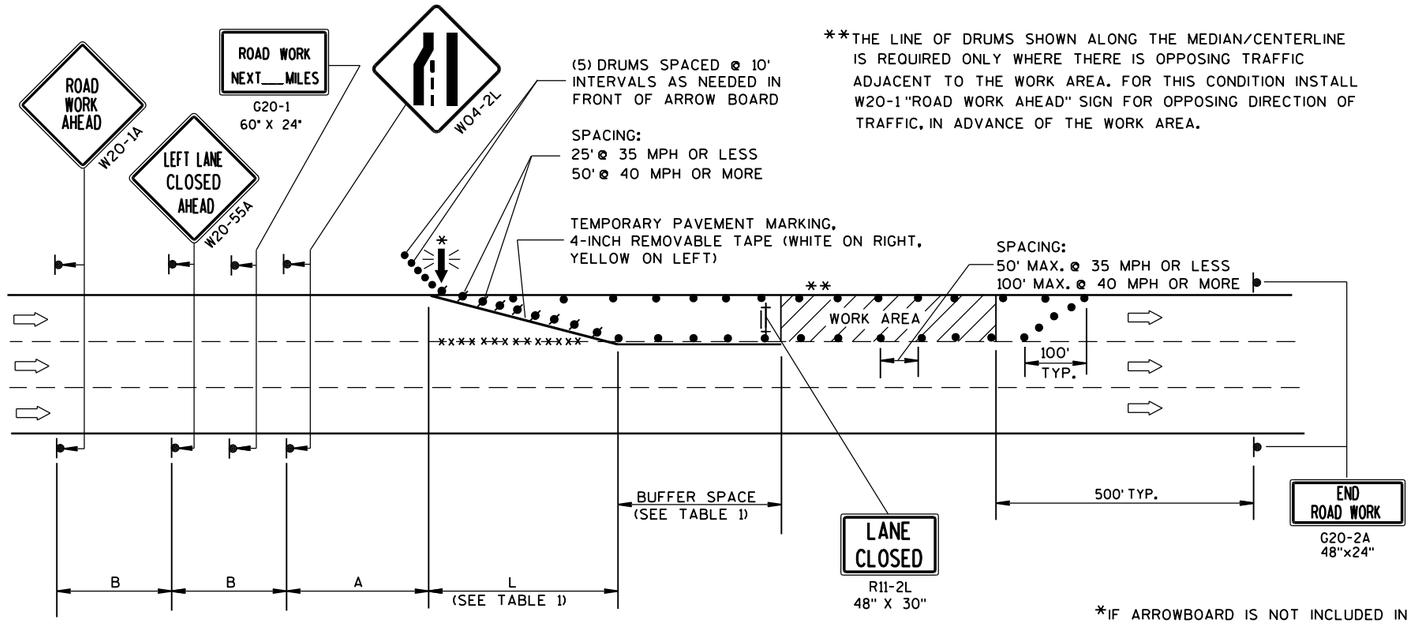
APPROVED
Sept. 2015 — DATE
/S/ Peter Amakobe Atepe
STATEWIDE WORK ZO SAFETY ENGII — FIC
FHWA

6

S.D.D. 15 D 16-3

6

S.D.D. 15 D 16-3



**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"

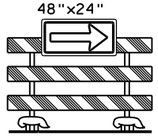


TABLE 1
TAPER AND BUFFER SPACE FOR 12' LANE WIDTH

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.

W20-1A, 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
June 2016 — DATE
FHWA

/S/ Peter Amakobe Atepe
STATEWIDE WORK ZONE SAFETY ENGINEER

6

S.D.D. 15 D 20-4

6

S.D.D. 15 D 20-4

LEGEND

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

GENERAL NOTES

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

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

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

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

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

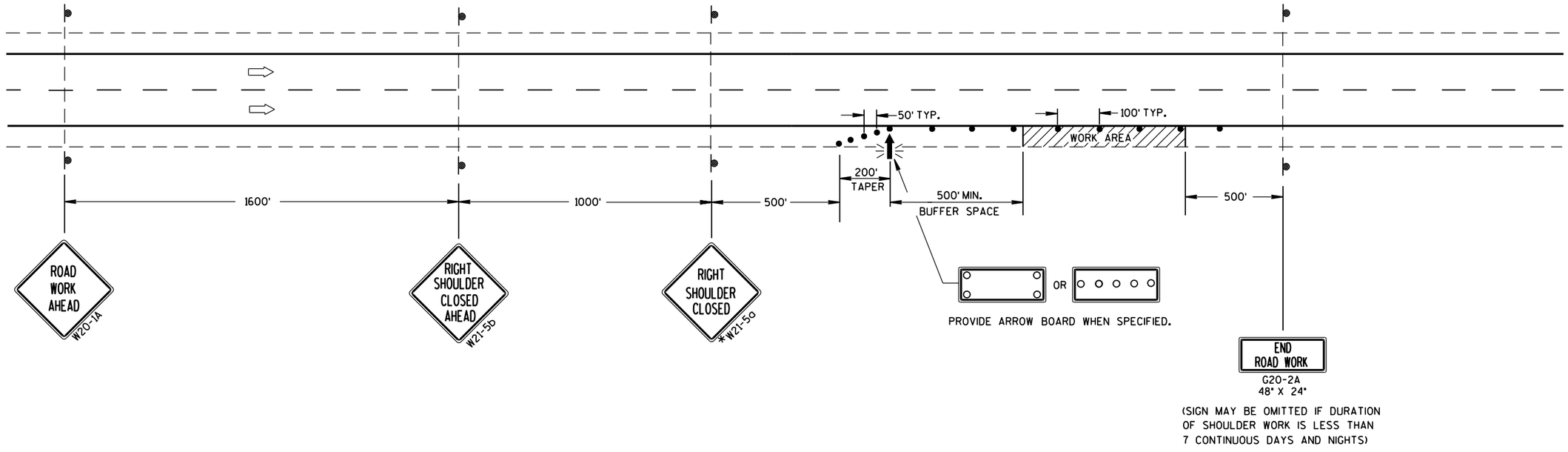
SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

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

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

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

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



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

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

June 2016 — DATE

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

FHWA

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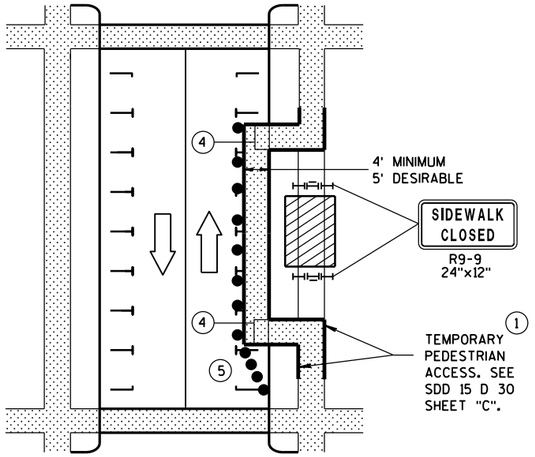
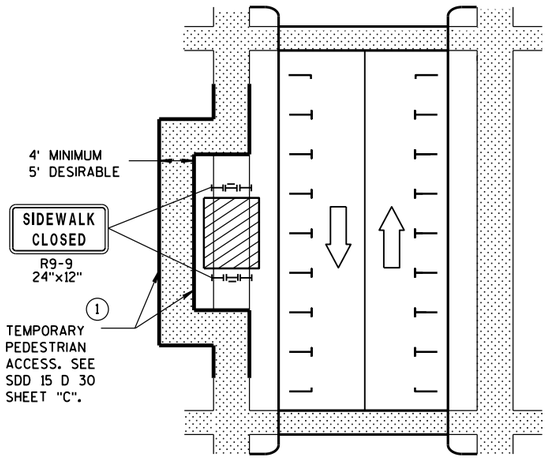
S.D.D. 15 D 27-3

NOTE: MAY BE USED ON ROADWAY WITH POSTED SPEED OF LESS THAN 40 MPH.

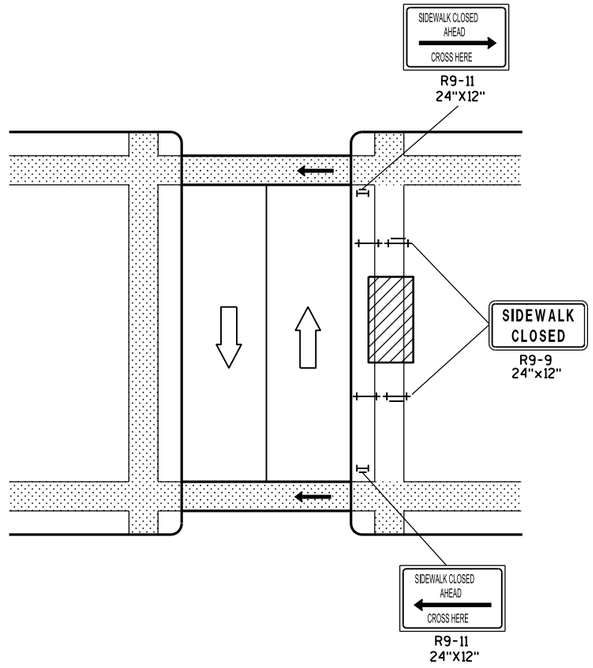


MID-BLOCK SIDEWALK CLOSURE IN PARKING LANE

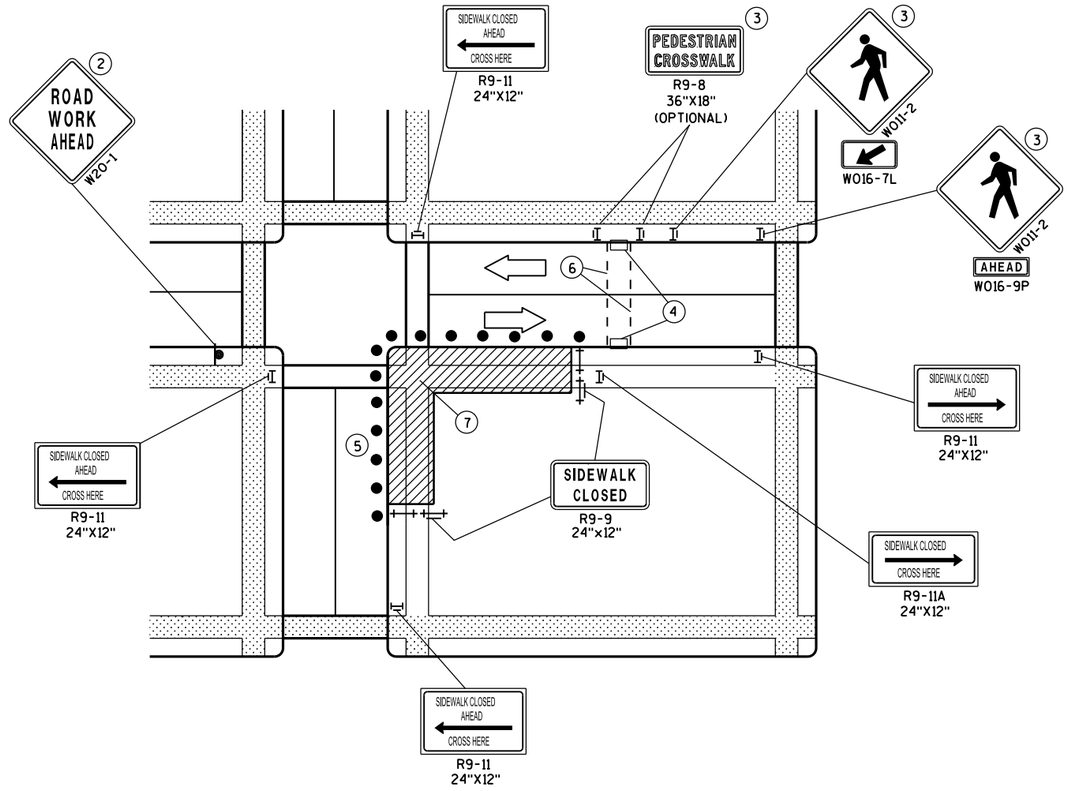
NOTE: LAYOUT SAME AS ABOVE.



SIDEWALK DIVERSION



MID-BLOCK SIDEWALK CLOSURE



CORNER SIDEWALK CLOSURE WITH TEMPORARY CROSSWALK

GENERAL NOTES

WHEN CLOSING OR RELOCATING CROSSWALKS OR SIDEWALKS, PROVIDE DETECABLE TEMPORARY FACILITIES AND INCLUDE ACCESSIBILITY FEATURES CONSISTENT WITH EXISTING PEDESTRIAN FACILITIES.

TEMPORARY TRAFFIC CONTROL DEVICES FOR PEDESTRIANS ARE SHOWN. OTHER DEVICES MAY BE NECESSARY TO CONTROL VEHICULAR TRAFFIC. STAGE WORK, AS NECESSARY, TO PROVIDE A TEMPORARY PEDESTRIAN ACCESS ROUTE AT ALL TIMES. FOR ROADWAYS WITH NO AVAILABLE DETOURS, MAINTAIN ONE OPEN SIDEWALK AT ALL TIMES.

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

FOR NIGHTTIME CLOSURE USE TYPE "A" FLASHING WARNING LIGHTS ON BARRICADES, SUPPORTING SIGNS AND CLOSING SIDEWALK. USE TYPE "C" STEADY BURN LIGHTS ON CHANNELIZING DEVICES SEPARATING THE WORK AREA FROM VEHICULAR TRAFFIC.

PEDESTRIAN TRAFFIC SIGNAL DISPLAY CONTROLLING CLOSED CROSSWALK SHALL BE COVERED OR DEACTIVATED.

POST MOUNTED SIGNS LOCATED ADJACENT TO A SIDEWALK SHALL HAVE A 7 FOOT MINIMUM CLEARANCE FROM THE BOTTOM OF THE SIGN TO THE SIDEWALK SURFACE.

ALTERNATE SIDEWALK WORK BETWEEN LEFT AND RIGHT SIDE OF ROADWAY TO MAINTAIN PEDESTRIAN ACCESS.

(1) IF SIDEWALK CLOSURE AFFECTS AN ACCESSIBLE AND DETECTABLE FACILITY, MAINTAIN ACCESSIBILITY AND DETECTABILITY ALONG THE ALTERNATE PEDESTRIAN ROUTE.

(2) "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.

(3) IF TEMPORARY PEDESTRIAN CROSSWALK IS NOT PROVIDED, OMIT R9-8 AND W011-2 SIGN ASSEMBLIES. IF PROVIDED INCLUDE ON BOTH SIDES OF THE CROSSWALK.

(4) TEMPORARY CURB RAMPS. SEE SDD 15 D 30 SHEET "B".

(5) DRUMS OR BARRICADES AT 25 FOOT SPACING. STREET PARKING SHALL BE PROHIBITED FOR AT LEAST 50 FEET IN ADVANCE OF THE MID-BLOCK CROSSWALK.

(6) TEMPORARY PAVEMENT MARKING FOR CROSSWALK LINES.

(7) LIMIT WORK TO ONE QUADRANT AT A TIME TO MINIMIZE PEDESTRIAN DISRUPTION.

LEGEND

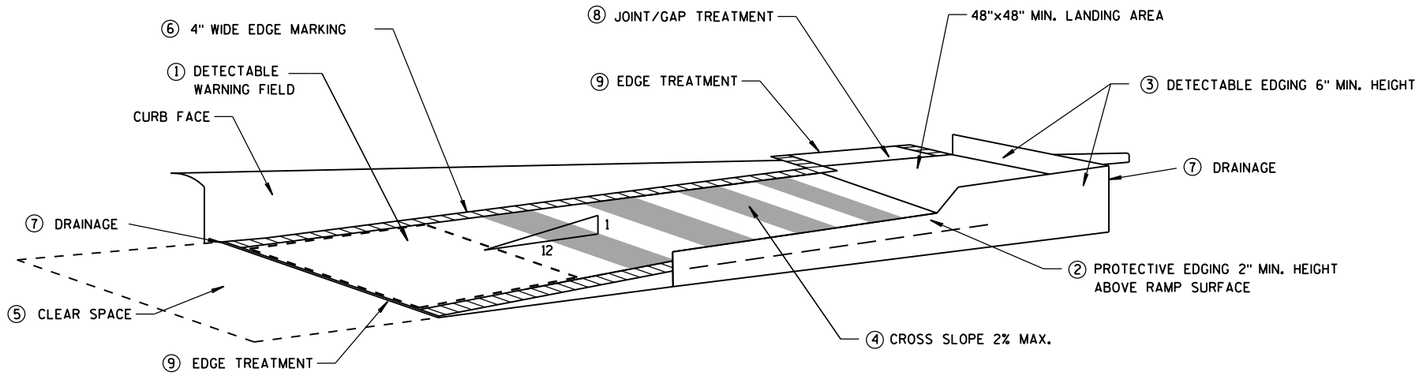
- SIGN ON PERMANENT SUPPORT
- UNDER PEDESTRIAN TRAFFIC
- WORK AREA
- PEDESTRIAN CHANNELIZATION DEVICE
- TYPE II BARRICADE WITH/WITHOUT SIGN (ALL WITH ONE WARNING LIGHT, TYPE A, LOW-INTENSITY FLASHING)
- TYPE III BARRICADE WITH/WITHOUT SIGN (ALL WITH ONE WARNING LIGHT, TYPE A, LOW-INTENSITY FLASHING)
- DIRECTION OF TRAFFIC
- TRAFFIC CONTOL DRUM

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

6

S.D.D. 15 D 30-3a



TEMPORARY CURB RAMP PARALLEL TO CURB

GENERAL NOTES

NOTIFY THE BUS COMPANY 7 DAYS IN ADVANCE OF THE BUS STOP RELOCATION.

ALTERNATE SIDEWALK WORK BETWEEN LEFT AND RIGHT SIDE OF ROADWAY TO MAINTAIN PEDESTRIAN ACCESS.

① CURB RAMPS SHALL BE 48" MIN. WIDTH WITH A FIRM, STABLE AND SLIP RESISTANT SURFACE. INSTALL CONTRASTING DETECTABLE WARNING FIELD AT PEDESTRIAN STREET CROSSINGS. REFER TO SDD 8D5 SHEET "E".

② PROTECTIVE EDGING WITH A 2" MIN. HEIGHT SHALL BE INSTALLED WHEN A CURB RAMP OR LANDING PLATFORM HAS A VERTICAL DROP OF 6" OR GREATER OR HAS A SIDE APRON SLOPE STEEPER THAN 1:3 (33%). PROTECTIVE EDGING SHOULD BE CONSIDERED WHEN CURB RAMPS OR LANDING PLATFORMS HAVE A VERTICAL DROP OF 3" OR MORE.

③ DETECTABLE EDGING WITH 6" MIN. HEIGHT AND CONTRASTING COLOR SHALL BE INSTALLED ON ALL CURB RAMP LANDINGS WHERE THE WALKWAY CHANGES DIRECTION (TURNS).

④ CURB RAMPS AND LANDINGS SHALL HAVE A 1:50 (2%) MAX. CROSS-SLOPE.

⑤ CLEAR SPACE OF 48"X48" MIN. SHALL BE PROVIDED ABOVE AND BELOW THE CURB RAMP.

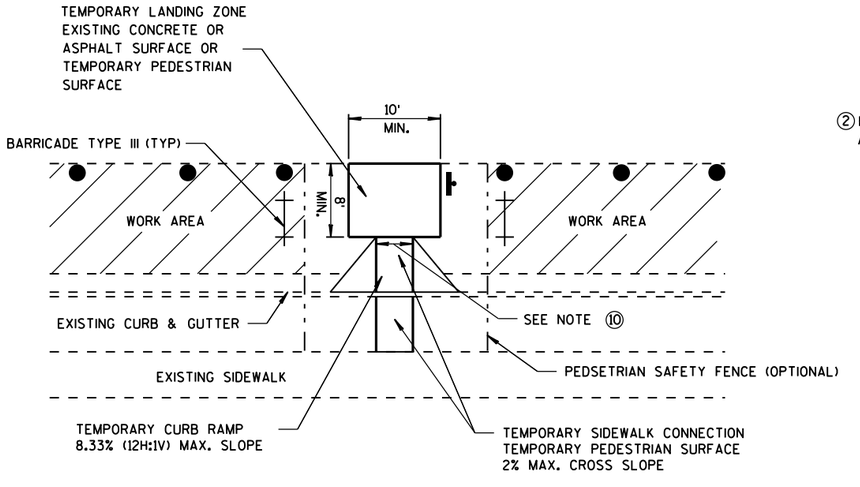
⑥ THE CURB RAMP WALKWAY EDGE SHALL BE MARKED WITH A YELLOW COLOR, 4" WIDE MARKING, UNLESS A CONTRASTING DETECTABLE WARNING FIELD IS PROVIDED.

⑦ DO NOT RESTRICT WATER FLOW IN THE GUTTER SYSTEM.

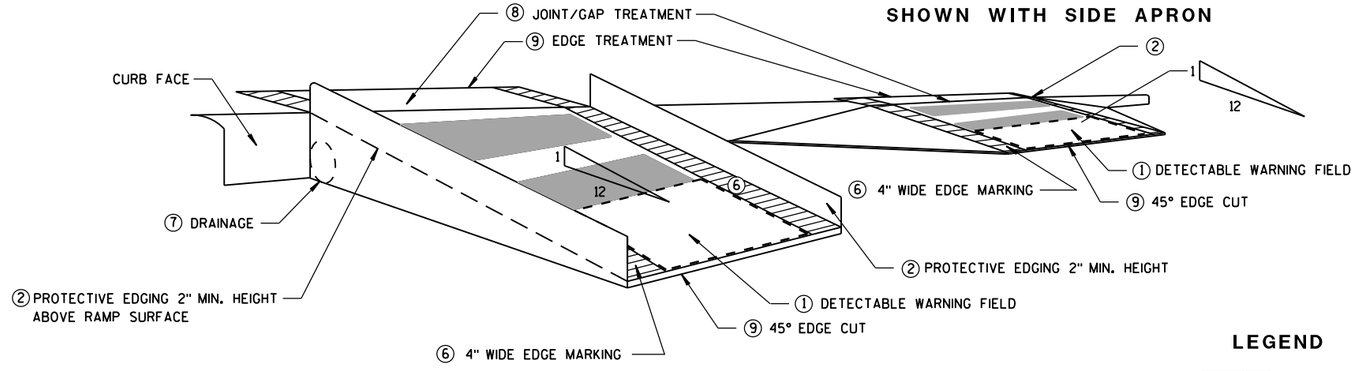
⑧ LATERAL JOINTS OR GAPS BETWEEN SURFACES SHALL BE LESS THAN 1/2" WIDTH.

⑨ CHANGES BETWEEN SURFACE HEIGHTS SHALL NOT EXCEED 1/2". LATERAL EDGES SHALL BE VERTICAL UP TO 1/4" HIGH, AND BEVELED AT 1:2 BETWEEN 1/4" AND 1/2".

⑩ 5' WIDE MIN. WITH PEDSETRIAN SAFETY FENCE, 10' WIDE MIN. WITHOUT PEDESTRIAN SAFETY FENCE.



TEMPORARY BUS STOP PAD



SHOWN WITH PROTECTIVE EDGE

SHOWN WITH SIDE APRON

TEMPORARY CURB RAMP PERPENDICULAR TO CURB

LEGEND

WORK AREA

TYPE III BARRICADE

TRAFFIC CONTOL DRUM

TRAFFIC CONTROL, TEMPORARY ADA COMPLIANT PEDESTRIAN ACCOMMODATION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

June 2016 — DATE

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

FHWA

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S.D.D. 15 D 30-3b

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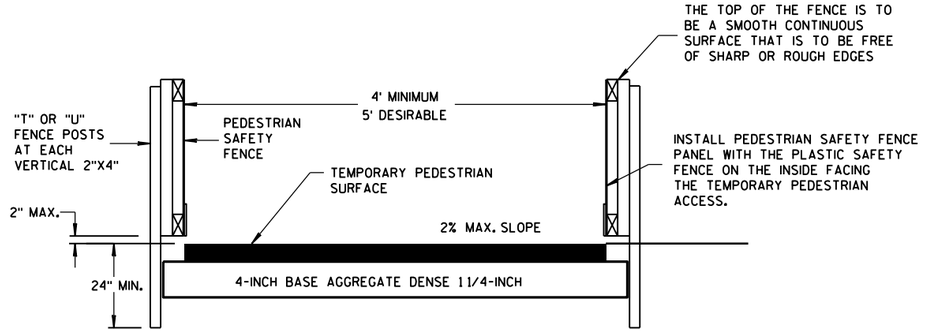
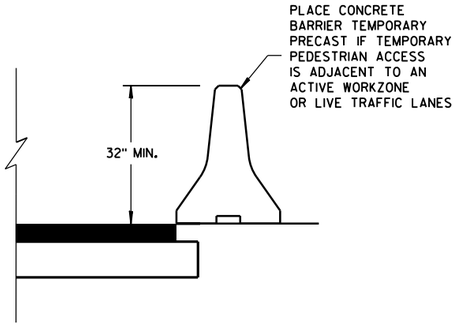
S.D.D. 15 D 30-3b

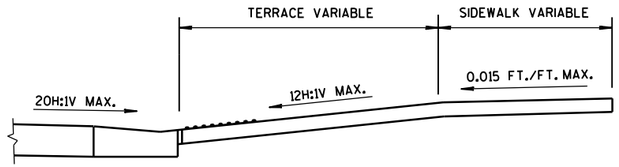




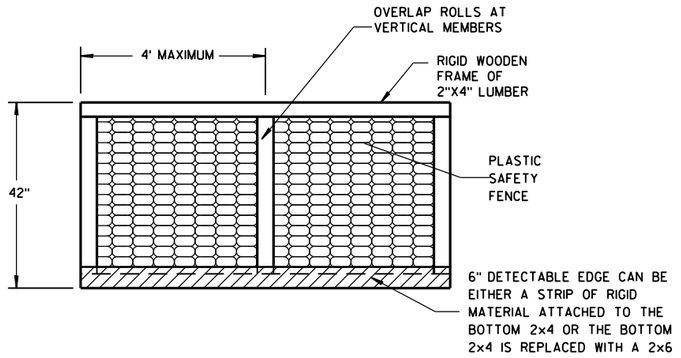
TEMPORARY PEDESTRIAN ACCESS

GENERAL NOTES

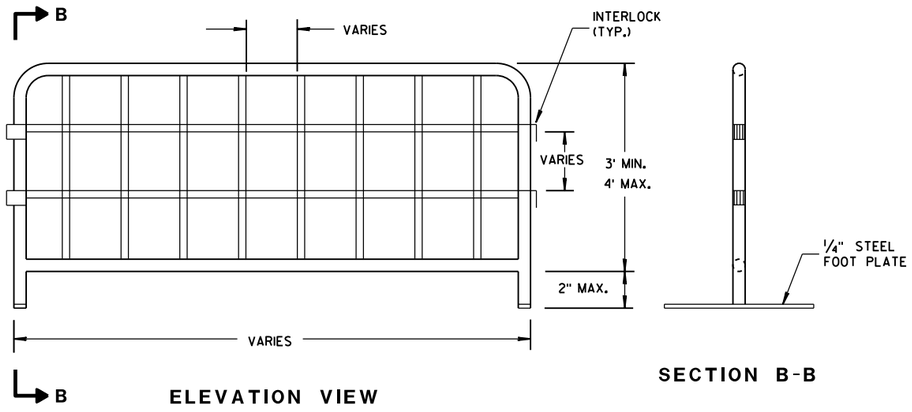
(1) INTERCHANGEABLE WITH THE PEDESTRIAN SAFETY FENCE.



SECTION A-A



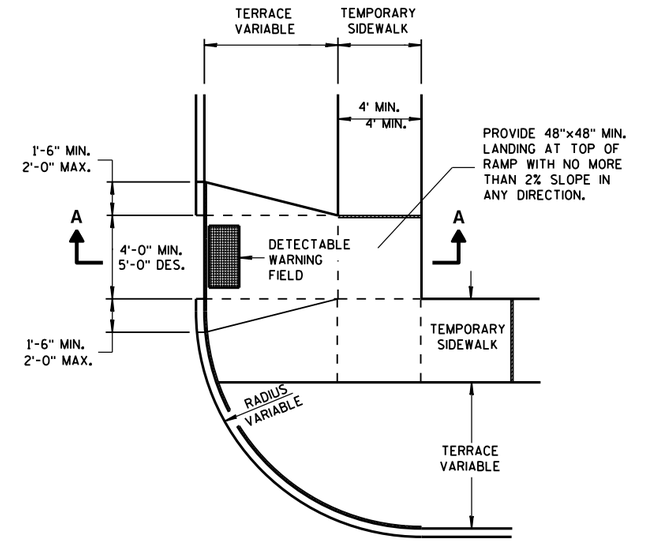
PEDESTRIAN SAFETY FENCE



ELEVATION VIEW

SECTION B-B

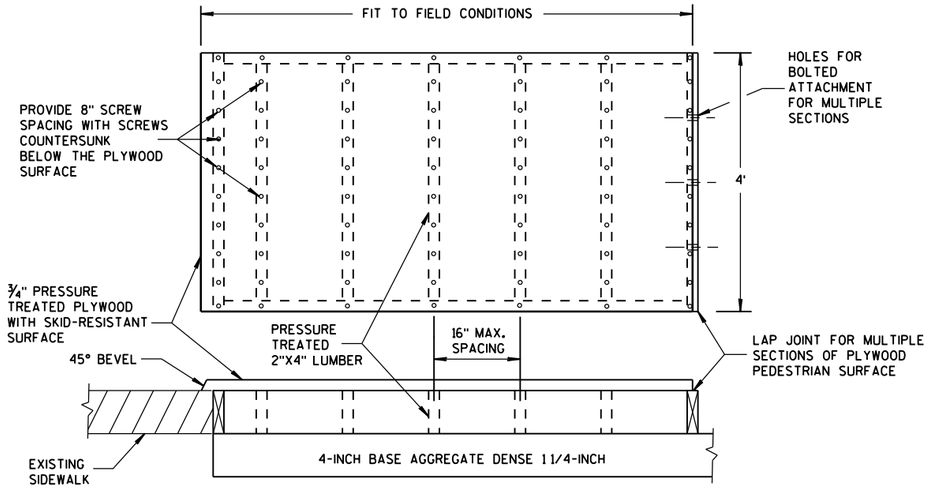
TEMPORARY PEDESTRIAN STEEL BARRICADE (1)



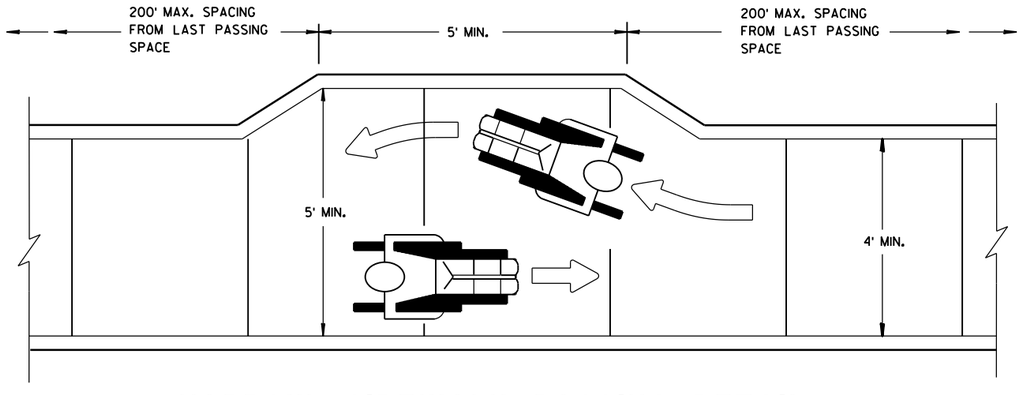
PLAN VIEW

TEMPORARY TYPE 3 RAMP

(OUTSIDE OF CROSSWALK AREA)



TEMPORARY PEDESTRIAN SURFACE PLYWOOD



NARROW SIDEWALK PASSING DETAIL

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June 2016
DATE
/S/ Peter Amakobe Atepe
STATEWIDE WORK ZON IC
SAFETY ENGIN
FHWA

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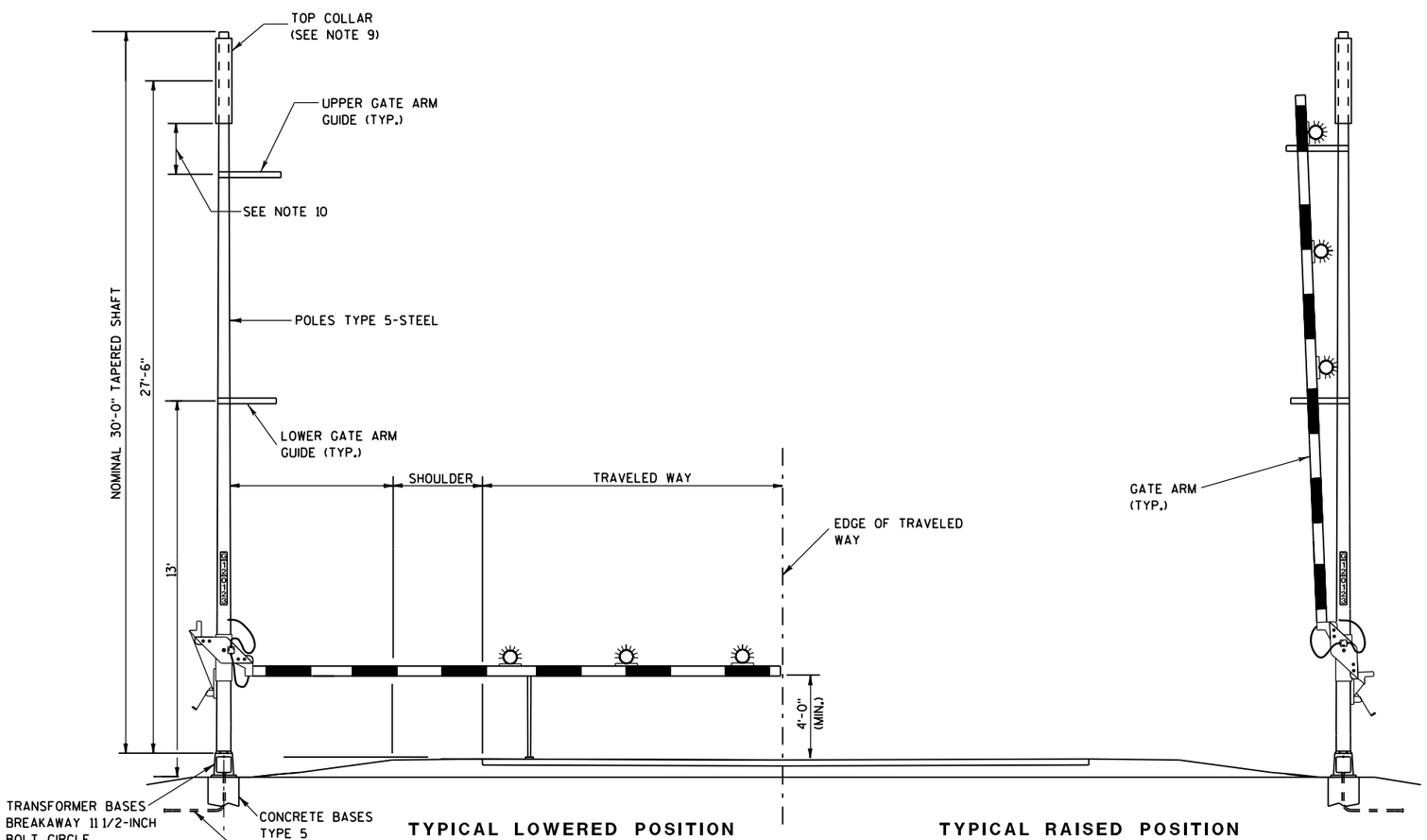
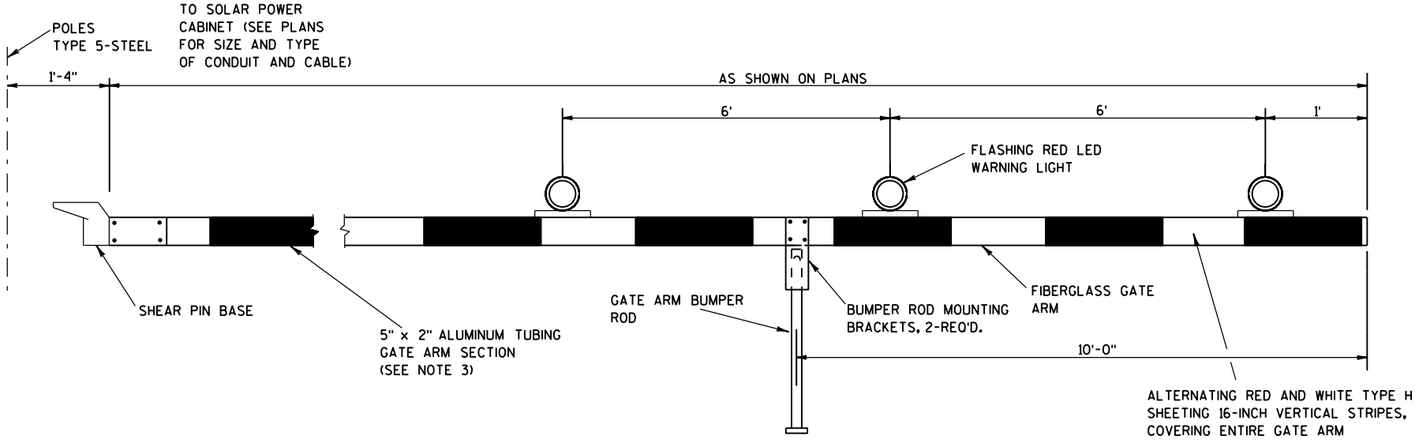
S.D.D. 15 D 30-3c



TYPICAL LOWERED POSITION

TYPICAL RAISED POSITION

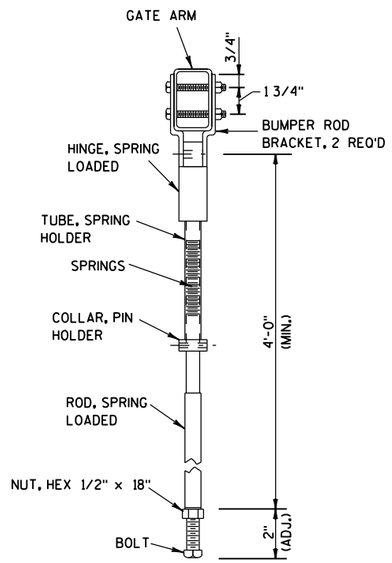


GATE DETAIL

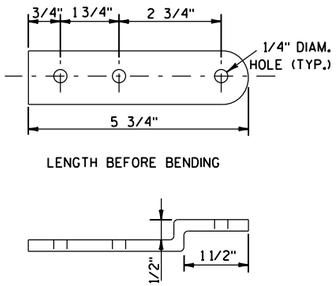
(SOLAR POWER OPTION)

GENERAL NOTES

1. THE LOCATION OF RAMP CLOSURE GATES AND MOUNTING HEIGHT OF GATE ARM PIVOT SHALL BE VERIFIED BY THE ENGINEER.
2. HEIGHT OF GATE ARM GUIDES MAY BE VARIED AS REQUIRED FOR WARNING LIGHT CLEARANCE.
3. FIBERGLASS/ALUMINUM GATE ARM AND SHEAR PIN BASE SHALL BE SUPPLIED BY THE SAME VENDOR.
4. GATE ARM TO BE MOUNTED ON PROPOSED POLE AS INDICATED ON THE PLANS. PROPOSED POLE SHALL BE TYPE 5 POLE.
5. LOCATION OF THE CONCRETE BASE AND LENGTH OF THE GATE ARM WILL BE VERIFIED BY THE ENGINEER TO ENSURE ADEQUATE COVERAGE OF THE TRAVELED LANE.
6. GATE PIVOTS, SUPPORTS AND GUIDES, AND ALL ASSOCIATED HARDWARE SHALL BE GALVANIZED. ALL ROUGH EDGES AND BURRS SHALL BE GROUND SMOOTH PRIOR TO GALVANIZING.
7. ALL EXPOSED BOLT THREADS SHALL BE PAINTED WITH TWO COATS OF ZINC RICH PAINT CONFORMING WITH THE REQUIREMENTS OF ASTM A 780.
8. ANY FIELD DAMAGE TO THE GALVANIZING SHALL BE REPAIRED WITH TWO COATS OF ZINC RICH PAINT CONFORMING WITH THE REQUIREMENTS OF ASTM A 780.
9. A STANDARD LIGHTING LUMINAIRE ARM MAY BE MOUNTED TO THE TYPE 5 POLE IN LIEU OF THE TOP COLLAR.
10. UPPER GATE ARM GUIDE IS TO BE INSTALLED 6 TO 12-INCHES BELOW THE BOTTOM OF THE TOP COLLAR.



GATE ARM BUMPER ROD DETAIL



BUMPER ROD MOUNTING
BRACKET DETAIL

RAMP GATE
SOLAR POWER

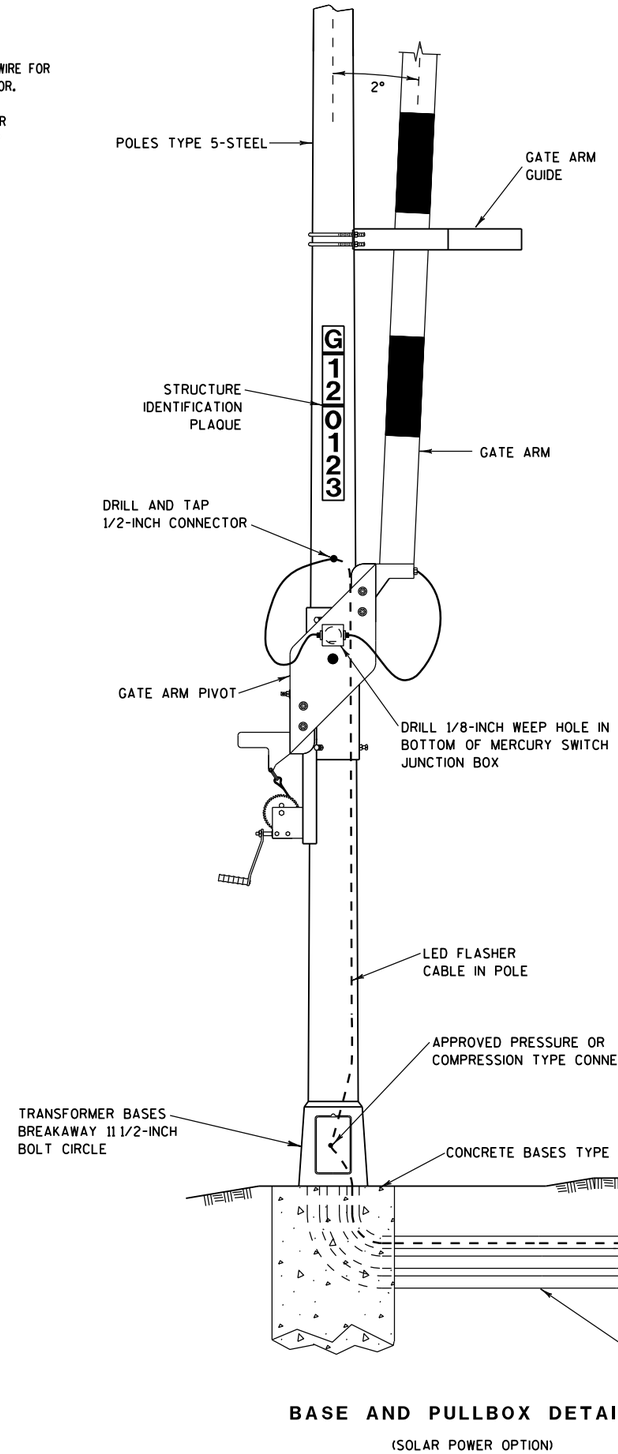
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR

6
S.D.D. 15 D 34-2a

WIRING NOTES

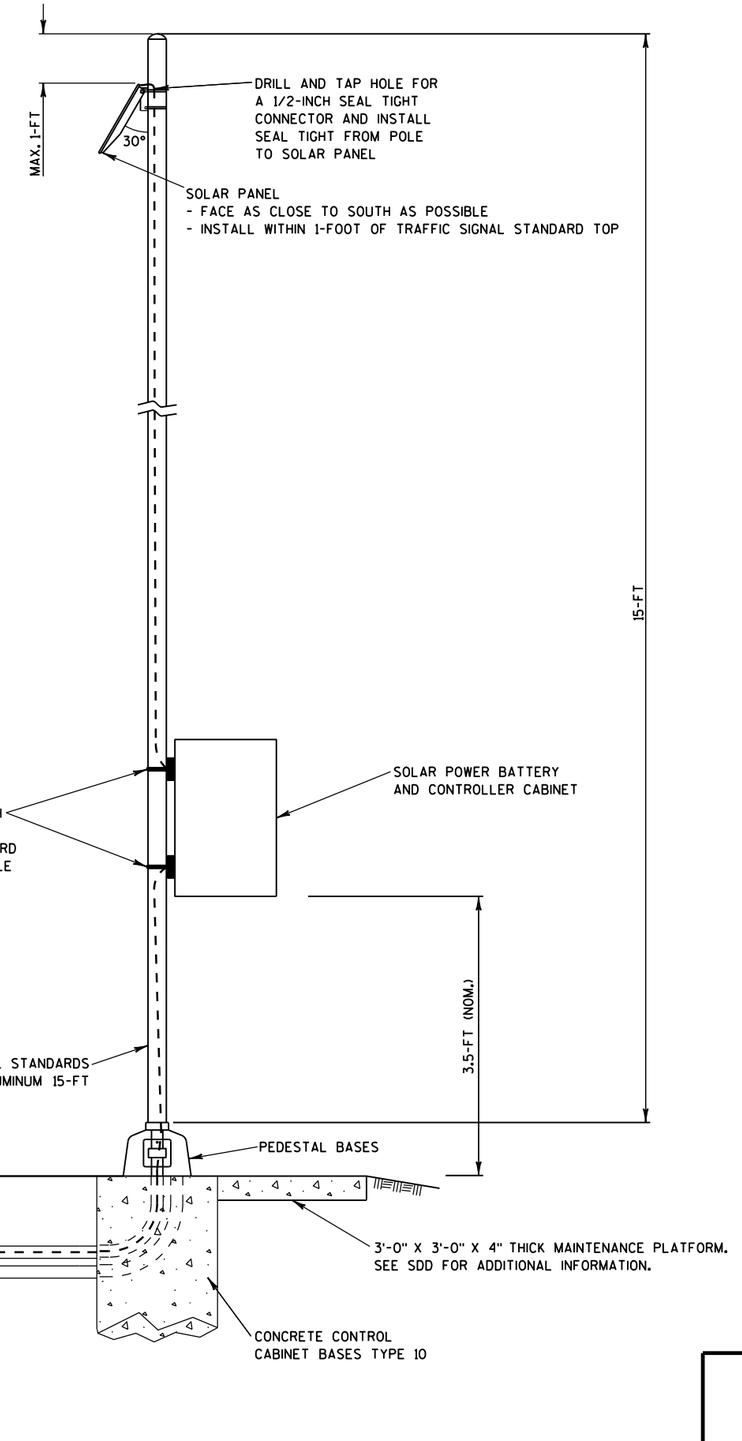
1. WIRING FROM SOLAR PANEL TO CABINET SHALL BE BLUE #10 XLP WIRE FOR POSITIVE CONDUCTOR AND WHITE #10 XLP FOR NEGATIVE CONDUCTOR.

2. WIRING FROM CABINET TO GATE ARM SHALL BE WHITE #10 XLP FOR COMMON, RED #10 XLP FOR FLASHER CIRCUIT 1, AND BLUE #10 XLP FOR FLASHER CIRCUIT 2.



BASE AND PULLBOX DETAIL

(SOLAR POWER OPTION)

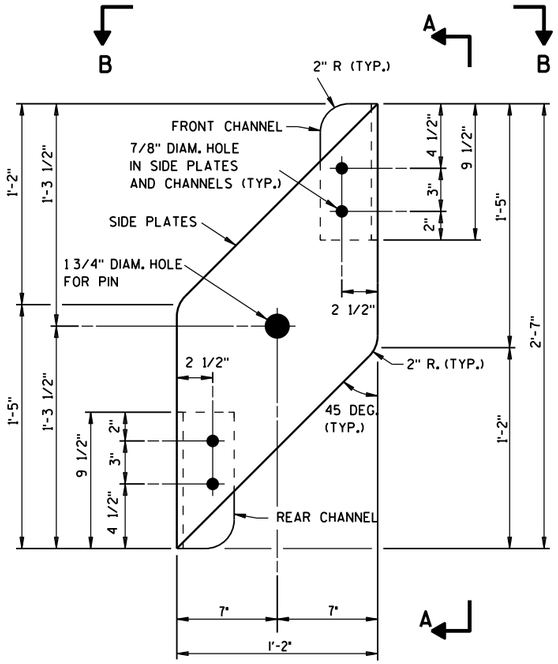


RAMP GATE
SOLAR POWER

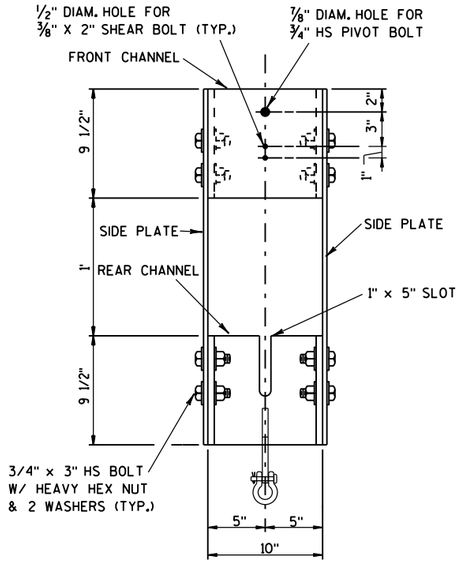
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR

6

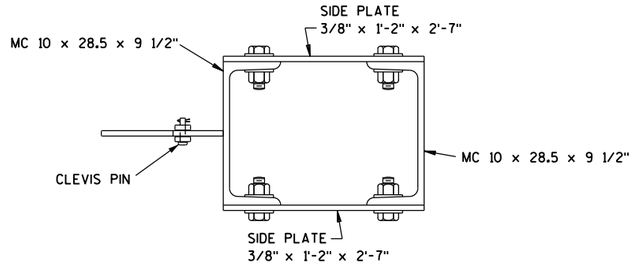
S.D.D. 15 D 34-2b



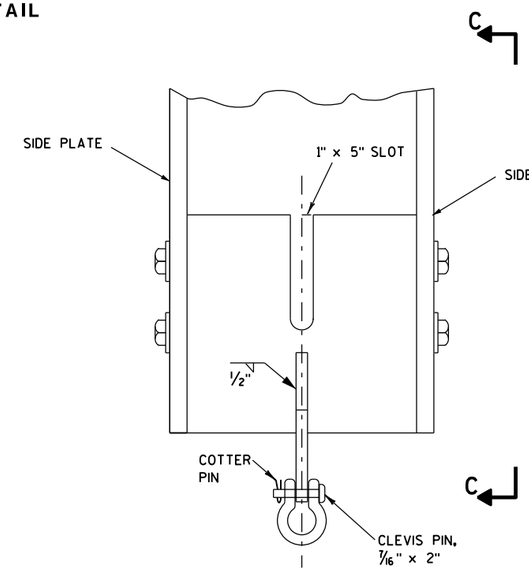
SIDE PLATE DETAIL



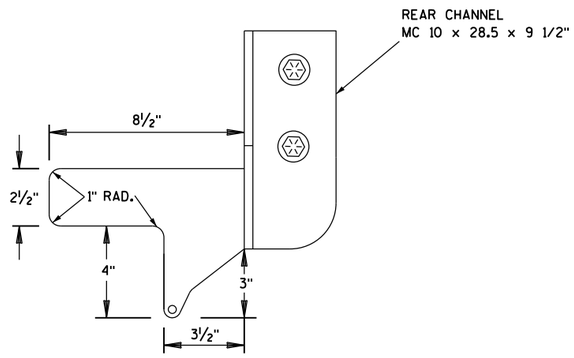
SECTION A-A



SECTION B-B



YOKE ASSEMBLY DETAIL



SECTION C-C

RAMP GATE
SOLAR POWER

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR 496

6

S.D.D. 15 D 34-2c

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S.D.D. 15 D 34-2c

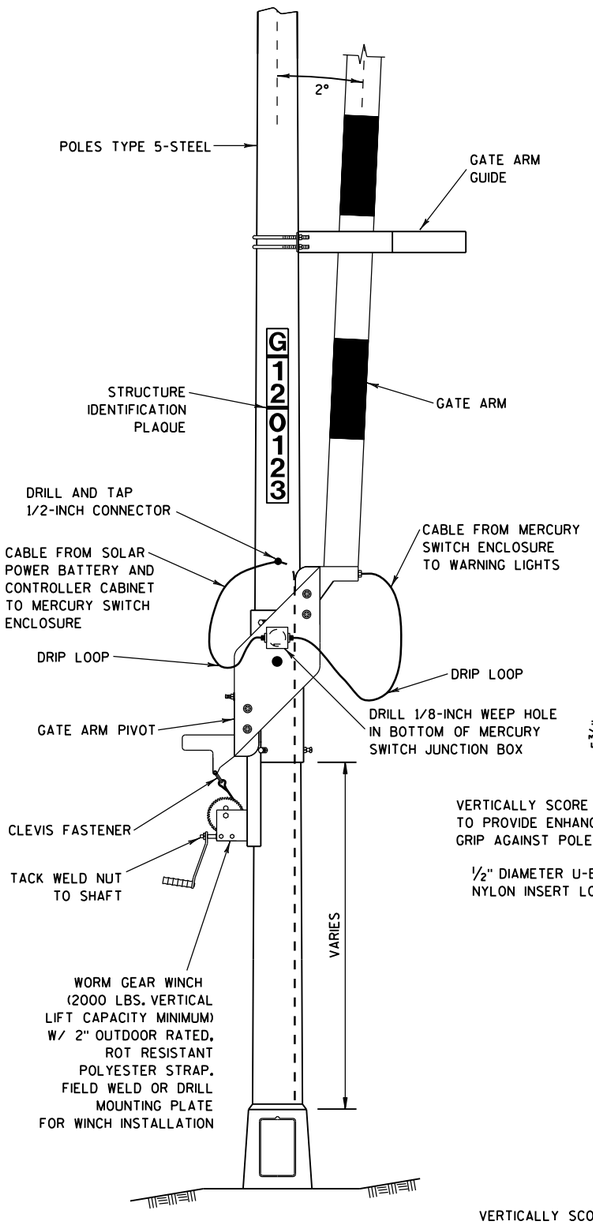
GENERAL NOTES

1. WHEN THE GATE IS FULLY RAISED, THE NUT AND WASHER SHALL BE PLACED SNUGLY AGAINST THE OUTSIDE OF THE REAR CHANNEL.

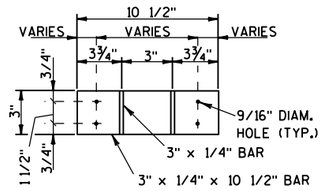
2. WHEN THE GATE IS FULLY LOWERED, THE NUT AND WASHER SHALL BE PLACED SNUGLY AGAINST THE INSIDE OF THE REAR CHANNEL.

3. ANTI-SEIZE LUBRICATING MATERIAL SHALL BE USED ON ALL BOLT THREADS BEFORE INSTALLATION.

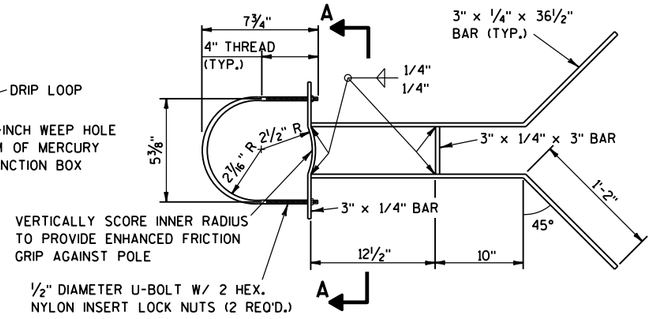
4. ALL BOLTS SHALL BE GALVANIZED AND CONFORM TO ASTM A307, GRADE A, UNLESS DESIGNATED AS HS (HIGH STRENGTH), WHICH SHALL CONFORM TO ASTM A325. BOLTS OF 1/2" NOMINAL DIAMTER OR LESS MAY BE STAINLESS STEEL.



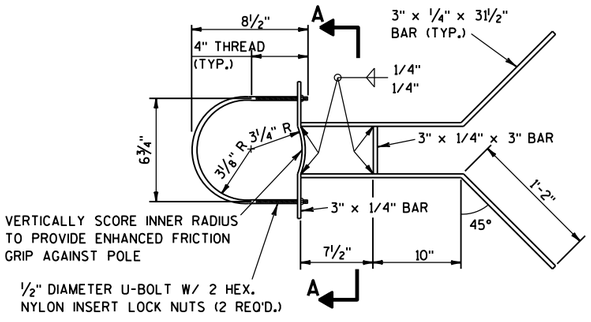
GATE PIVOT ASSEMBLY



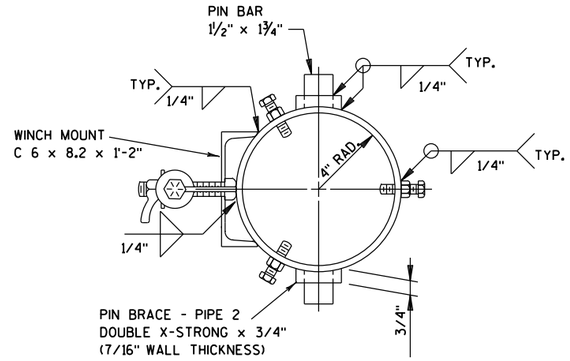
SECTION A-A
U-BOLTS NOT SHOWN



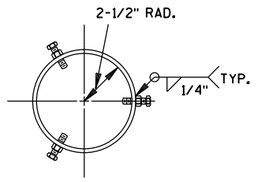
UPPER GATE ARM GUIDE DETAIL



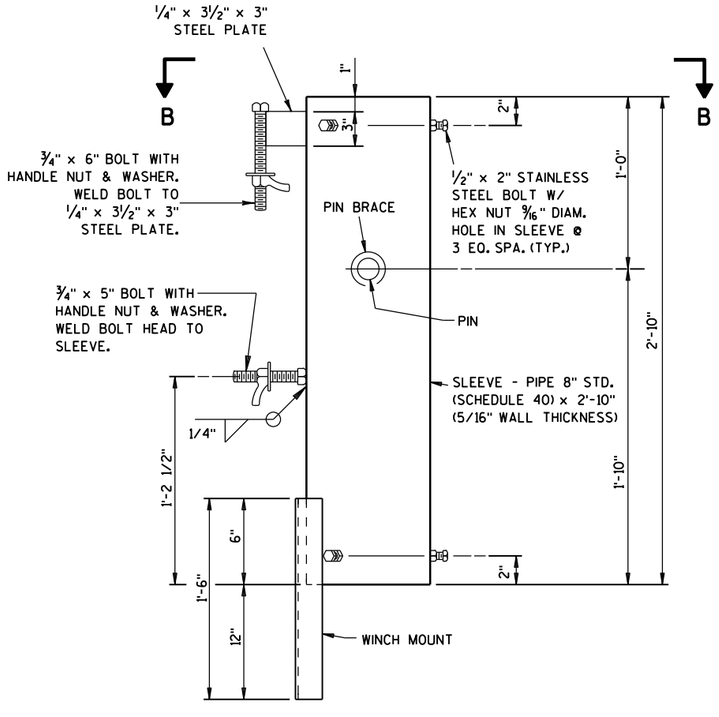
LOWER GATE ARM GUIDE DETAIL



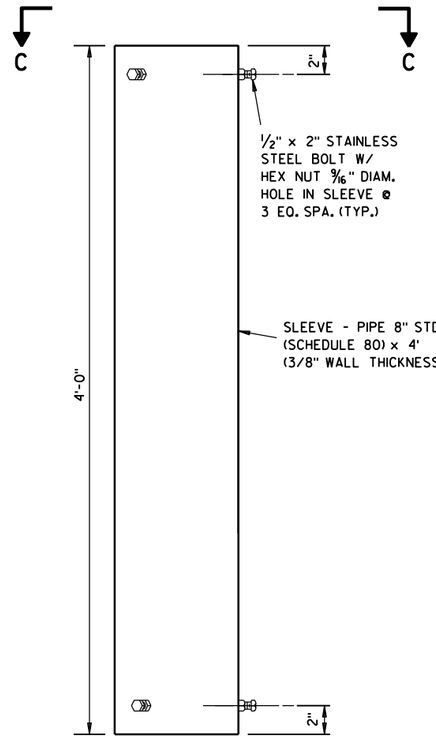
SECTION B-B



SECTION C-C



PIVOT SLEEVE DETAIL



TOP COLLAR

RAMP GATE
SOLAR POWER

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
11/2015 — DATE
/S/ Ahmet Demirbilek — STATE ELECTRCIAL
497
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FHWA

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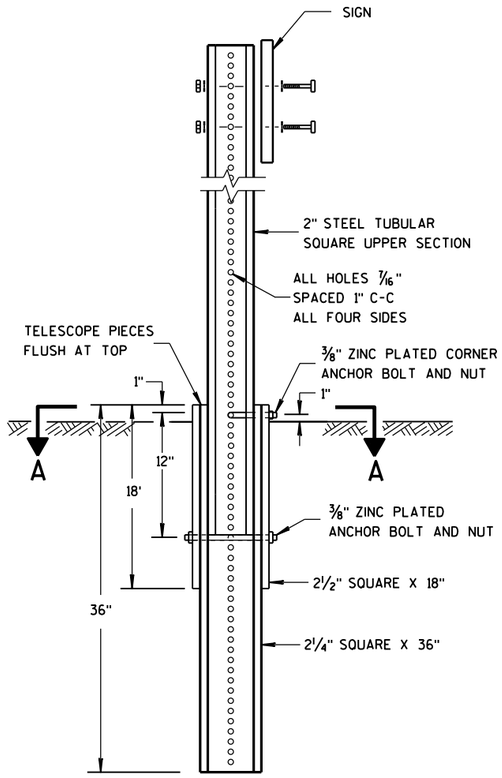
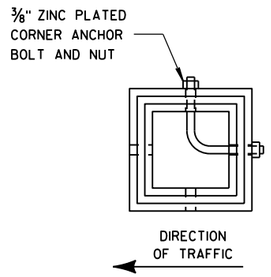
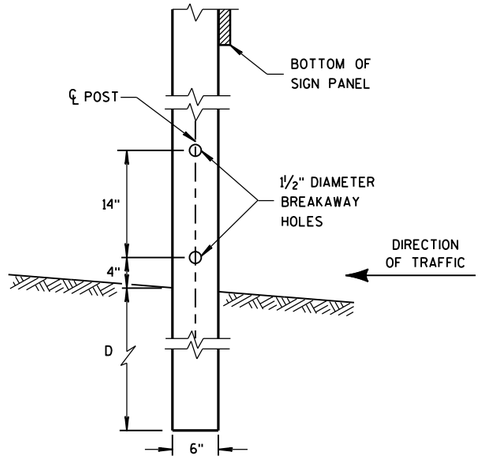


DETAIL OF TUBULAR STEEL SIGN POST



SECTION A-A



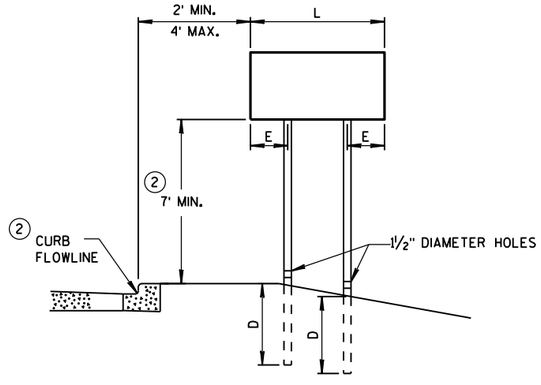
4"x6" WOOD POST MODIFICATION

GENERAL NOTES

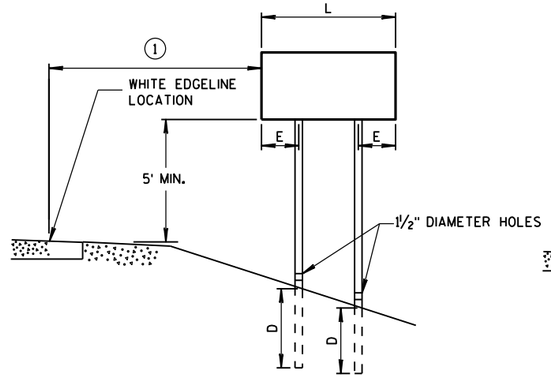
(1) 6 FEET FROM THE EDGE OF PAVEMENT (EDGE LINE LOCATION) UNLESS OTHERWISE DIRECTED BY THE PROJECT ENGINEER. LATERAL OFFSET SHOULD BE ADJUSTED TO AVOID THE DITCH FLOWLINE.

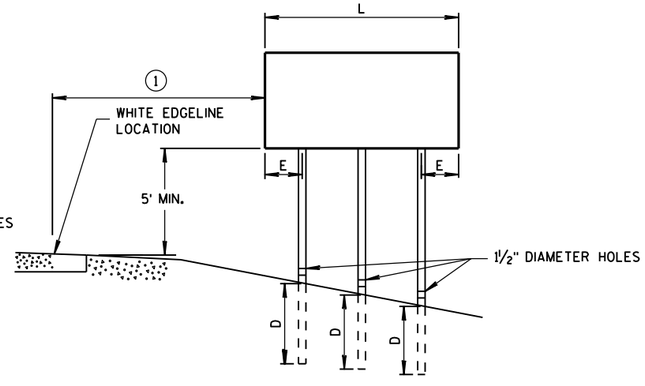
(2) THE EXISTENCE OF CURB AND GUTTER DOES NOT IN ITSELF MANDATE THE VERTICAL CLEARANCE ILLUSTRATED. THAT HEIGHT IS TYPICALLY MEASURED WHERE THERE IS SIDEWALK ADJACENT TO THE ROADWAY OR PARKING IS PERMITTED. IN THE ABSENCE OF SIDEWALK, VERTICAL CLEARANCE IS MEASURED FROM THE TOP OF THE CURB. IF NO SIDEWALK AND NO PARKING, VERTICAL CLEARANCE MAY BE REDUCED TO 5 FOOT MINIMUM. OFFSET OF SIGNS IS MEASURED FROM THE CURB FLOWLINE.

(3) FOR SIGNS REQUIRING 4 POSTS, SPACE INTERMEDIATE POSTS EVENLY.



URBAN AREA





RURAL AREA

POST MOUNTING DETAIL FOR TEMPORARY TRAFFIC CONTROL FIXED MESSAGE SIGNS

TUBULAR STEEL POSTS

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

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

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

WOOD POST EMBEDMENT DEPTH

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

4" X 6" WOOD POST

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

SEE NOTE (3)

TEMPORARY TRAFFIC CONTROL SIGN MOUNTING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR

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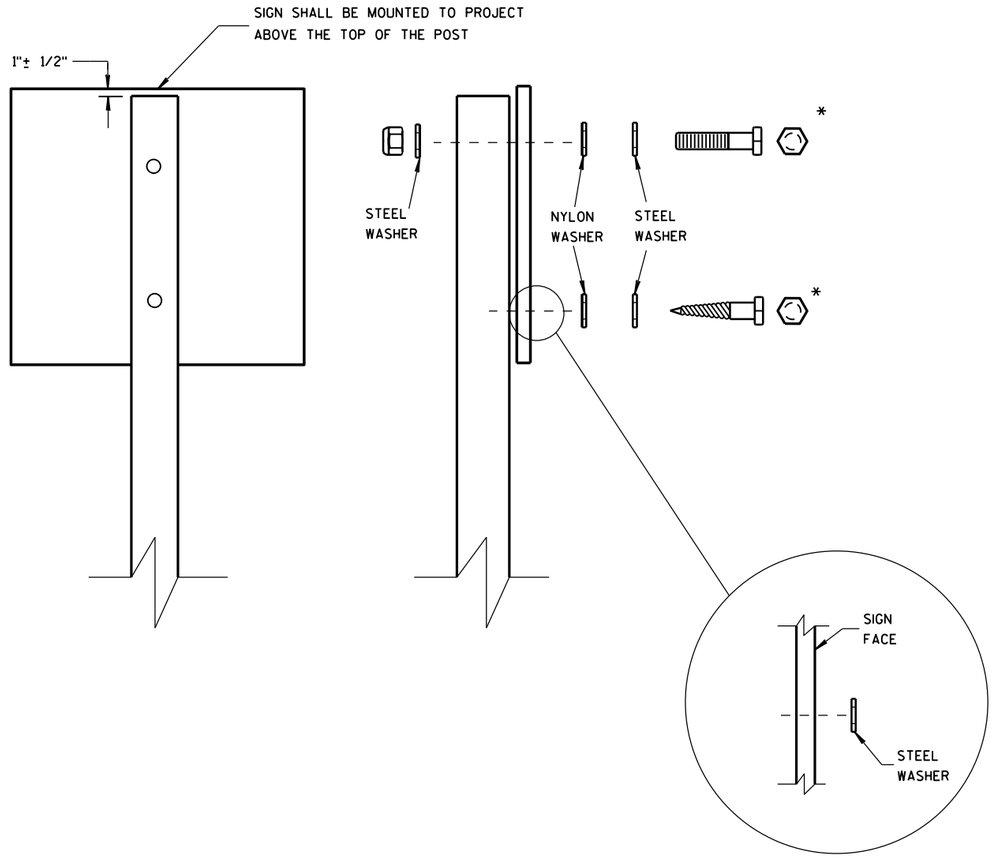
S.D.D. 15 D 38-2a



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

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

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

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

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

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

LAG SCREWS - 3/8" X 3"

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

SQUARE STEEL POSTS (2" x 2")

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

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

WASHERS (ALL POSTS) -

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

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

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

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S.D.D. 15 D 38-2b

ATTACHMENT OF SIGNS TO POSTS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

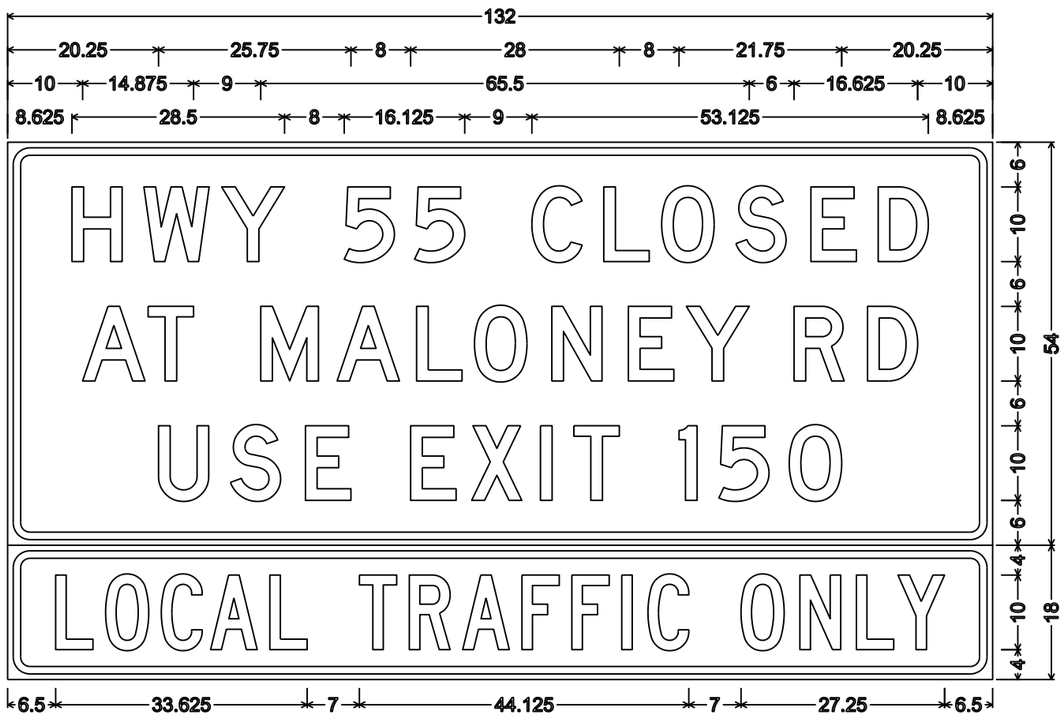
June 2017
DATE

/S/ Andrew Heldtke
WORK ZONE ENG

FHWA

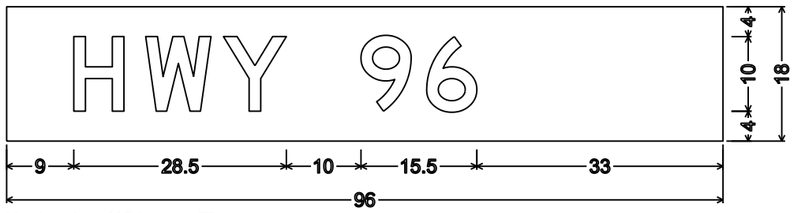
NOTES

1. Fixed Message Type II Signs - Type F Reflective
2. Color:
   Background - Orange except as noted
   Message - Black
3. Message Series - As noted



3.000" Radius, 1.000" Border, 0.750" Indent, Black on Fluorescent orange;
"HWY" D; "55" D; "CLOSED" D; "AT" D; "MALONEY" D; "RD" D; "USE" D; "EXIT" D; "150" D;
3.000" Radius, 1.000" Border, 0.750" Indent, Black on White;
"LOCAL" C; "TRAFFIC" C; "ONLY" C;

Base Material is .040" aluminum

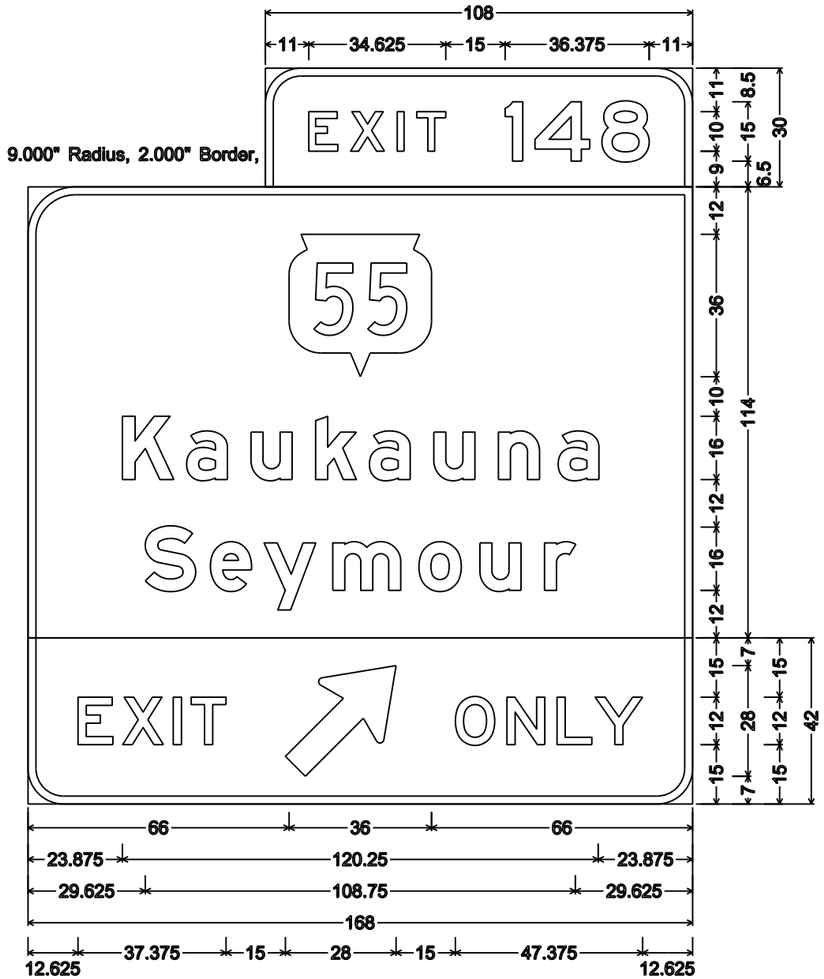


No border, White on Fluorescent orange;
"HWY" Black D; "96" Black D;

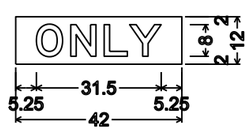
7

7

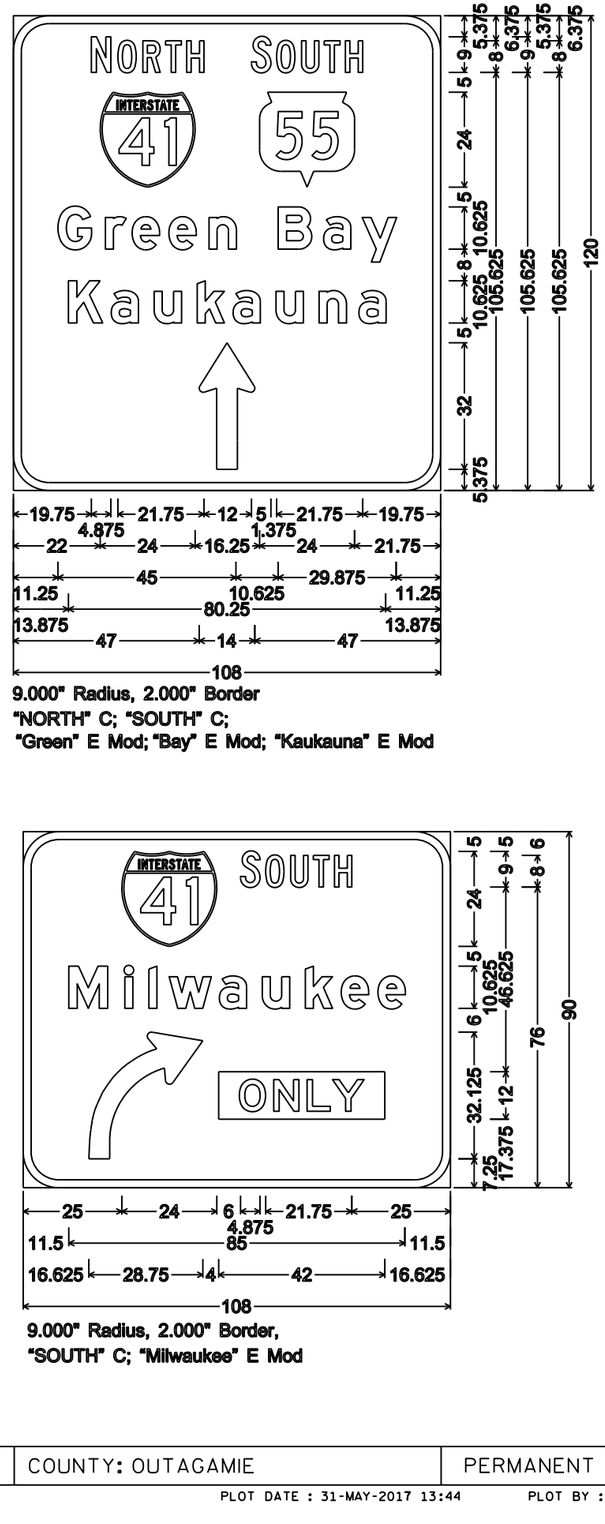
PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	TEMPORARY SIGNING	SHEET NO: 500	E



12.000" Radius, 2.000" Border,
"Kaukauna" E Mod; "Seymour" E Mod;
9.000" Radius, 2.000" Border, Black on Yellow; Type F Reflective



No border, Black on Fluorescent yellow;
"ONLY" E;

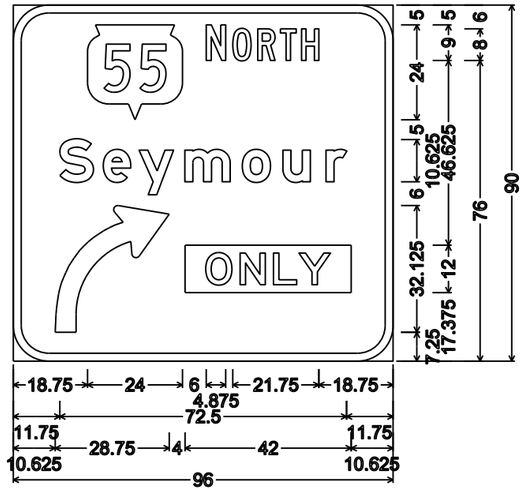


9.000" Radius, 2.000" Border
"NORTH" C; "SOUTH" C;
"Green" E Mod; "Bay" E Mod; "Kaukauna" E Mod

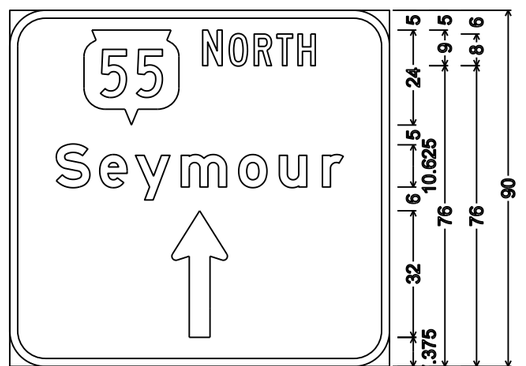
9.000" Radius, 2.000" Border,
"SOUTH" C; "Milwaukee" E Mod

NOTES

1. Signs are Type I - Type SH Reflective except as noted
2. Color:
   Background - Green except as noted
   Message - White except as noted
3. Message Series - Series E except as noted
4. ONLY Plaque is on .040" Aluminum blank with Type F Reflective Sheeting with Black Non-Reflective Message



9.000" Radius, 2.000" Border,
"NORTH" C; "Seymour" E Mod



9.000" Radius, 2.000" Border,
"NORTH" C; "Seymour" E Mod

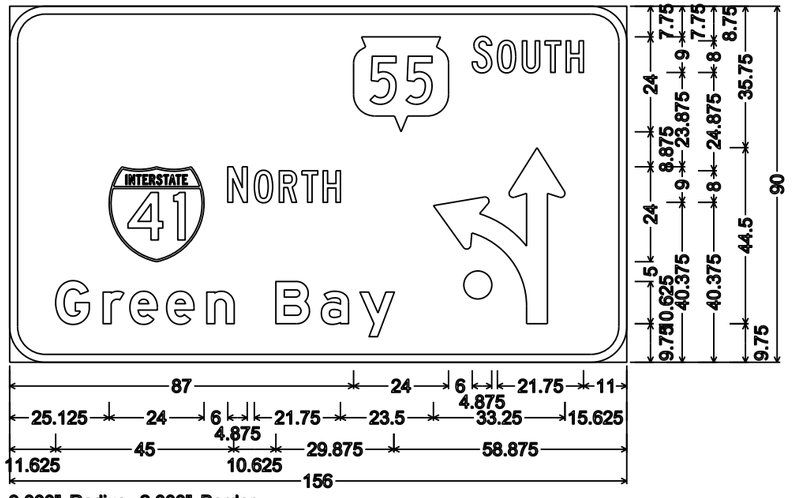
7

7

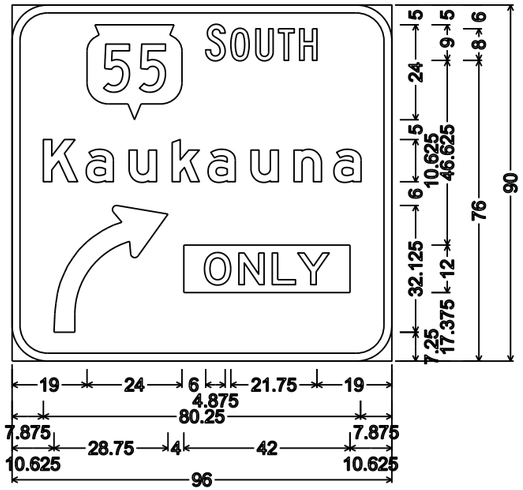
PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	PERMANENT SIGNING	SHEET NO: 501	E

NOTES

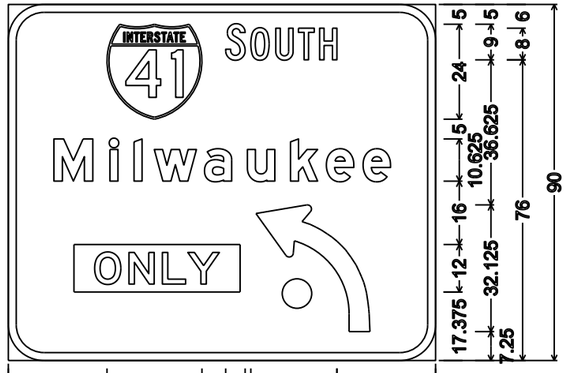
1. Signs are Type I - Type SH Reflective
2. Color:
   Background - Green
   Message - White
3. Message Series - E except as noted
4. ONLY Plaque is on .040" Aluminum blank with Type F Reflective Sheeting with Black Non-Reflective Message



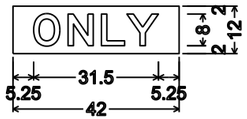
9.000" Radius, 2.000" Border,
"SOUTH" C; "NORTH" C; "Green" E Mod; "Bay" E Mod



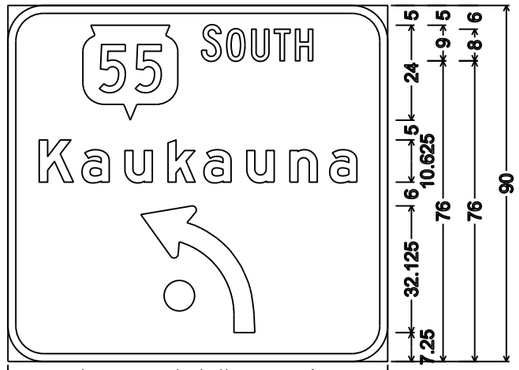
9.000" Radius 2.000" Border,
"SOUTH" C; "Kaukauna" E Mod;



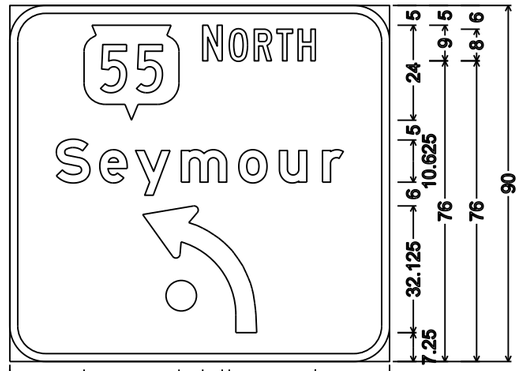
9.000" Radius, 2.000" Border,
"SOUTH" C; "Milwaukee" E Mod;



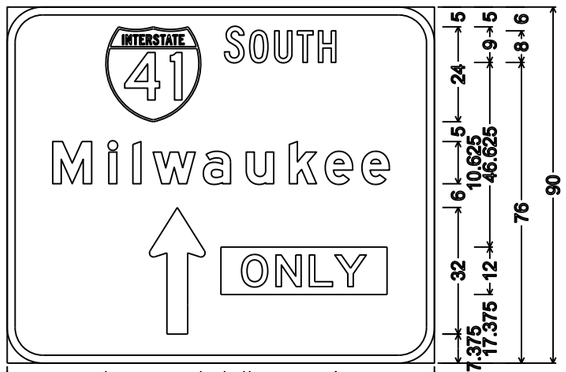
No border, Black on Fluorescent yellow;
"ONLY" E;



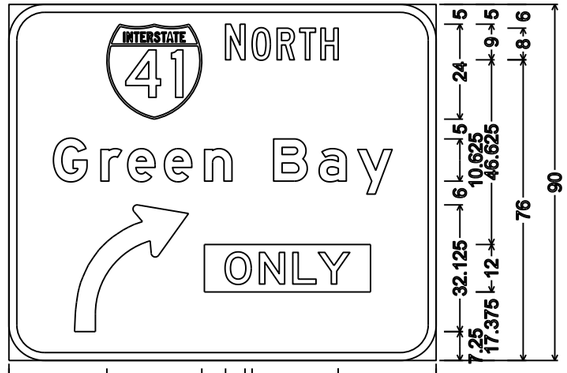
9.000" Radius, 2.000" Border,
"SOUTH" C; "Kaukauna" E Mod;



9.000" Radius, 2.000" Border,
"NORTH" C; "Seymour" E Mod;



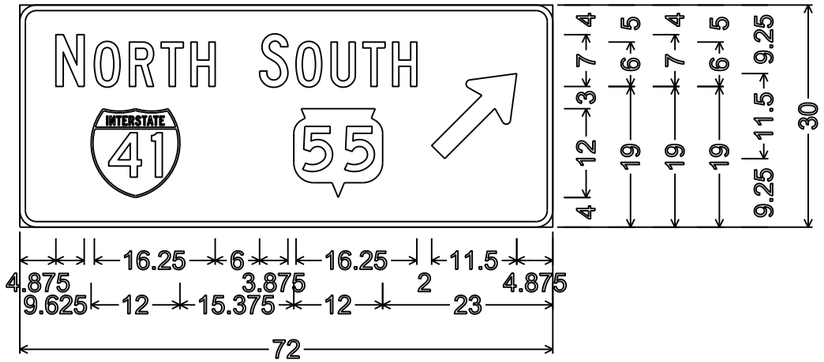
9.000" Radius, 2.000" Border,
"SOUTH" C; "Milwaukee" E Mod



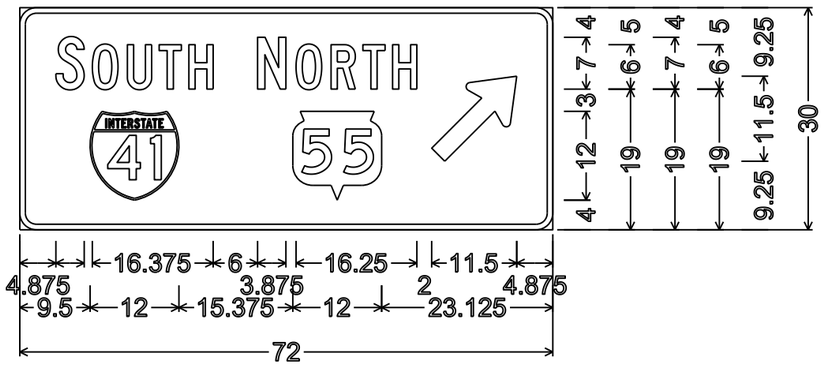
9.000" Radius, 2.000" Border,
"NORTH" C; "Green" E Mod; "Bay" E Mod

NOTES

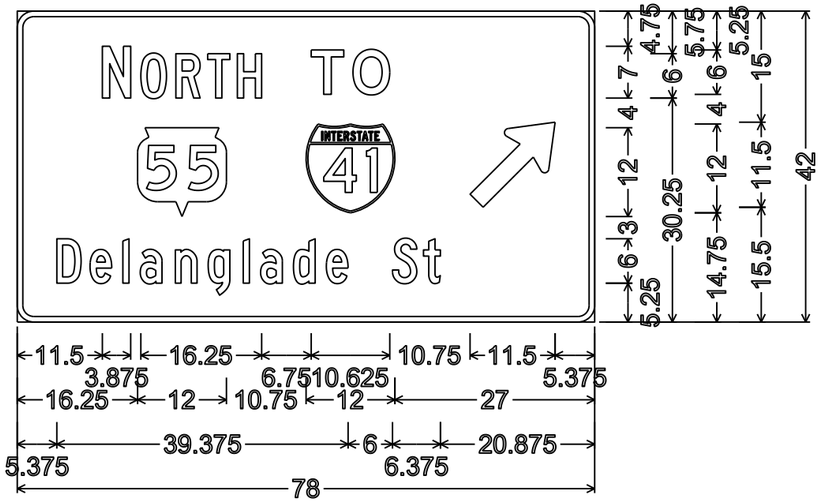
1. Signs are Type II- Type H Reflective
2. Color:
   Background - Green
   Message - White
3. Message Series - E except as noted



2.250" Radius, 0.750" Border,
"NORTH" C; "SOUTH" C;



2.250" Radius, 0.750" Border,
"SOUTH" C; "NORTH" C;



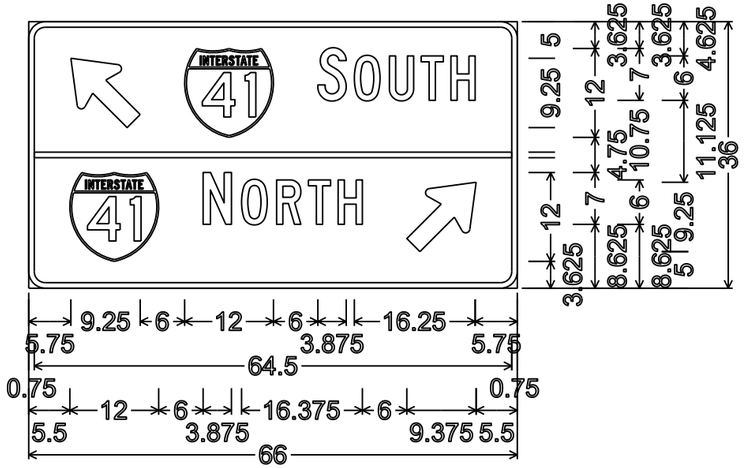
2.250" Radius, 0.750" Border,
"NORTH" C; "TO" E; "Delanglade" C; "St" C

2.250" Radius, 0.750" Border,
"EAST" C;

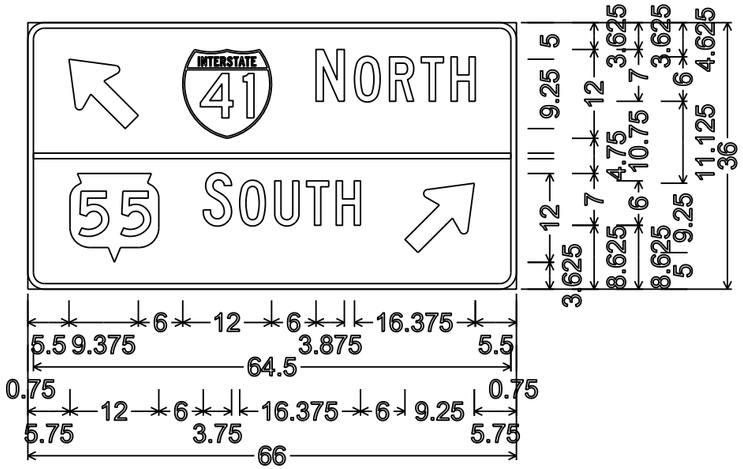
2.250" Radius, 0.750" Border,
"WEST" C;

7

7



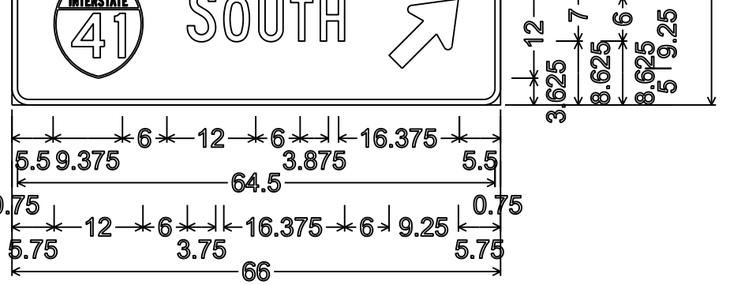
2.250" Radius, 0.750" Border,
"SOUTH" C; "NORTH" C



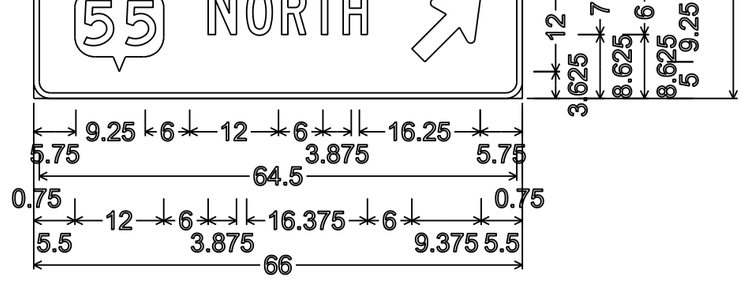
2.250" Radius, 0.750" Border,
"NORTH" C; "SOUTH" C;

NOTES

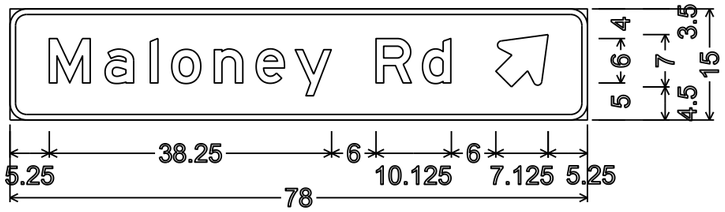
1. Signs are Type II- Type H Reflective
2. Color:
   Background - Green
   Message - White
3. Message Series - E except as noted



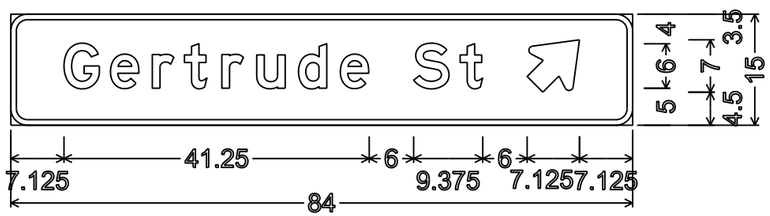
2.250" Radius, 0.750" Border,
"NORTH" C; "SOUTH" C



2.250" Radius, 0.750" Border,
"SOUTH" C; "NORTH" C;



D1-1;
2.250" Radius, 0.750" Border,
"Maloney" E; "Rd" E;



D1-1;
2.250" Radius, 0.750" Border,

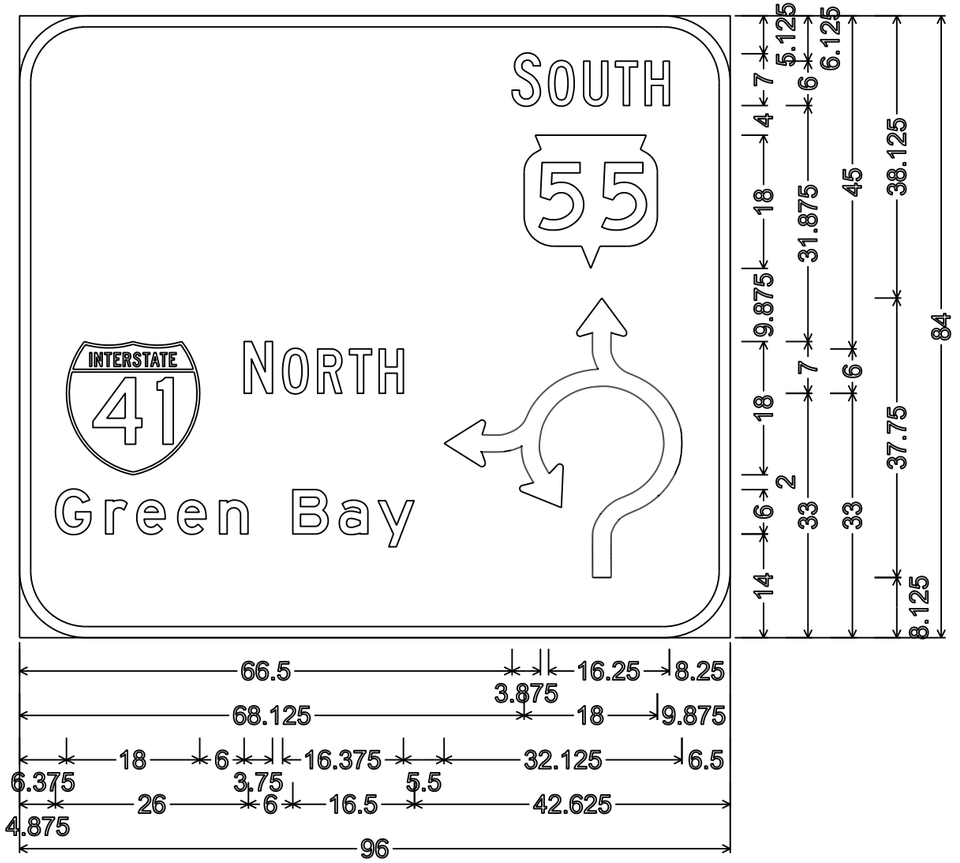
7

7

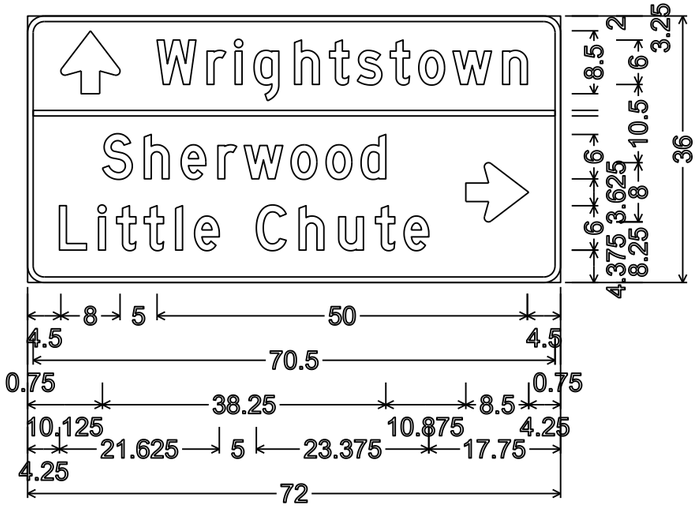
PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	PERMANENT SIGNING	SHEET NO: 504	E

NOTES

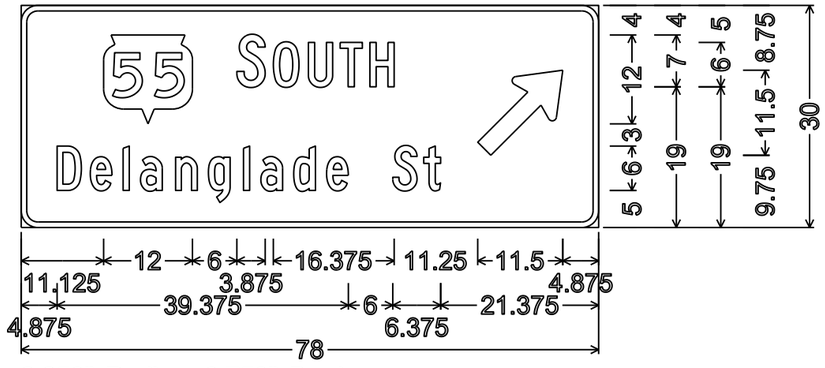
1. Signs are Type II- Type H Reflective
2. Color:
   Background - Green
   Message - White
3. Message Series - E except as noted



9.000" Radius, 1.500" Border,
"SOUTH" C; "NORTH" C; "Green" E; "Bay" E



D1-3;
2.250" Radius, 0.750" Border,
"Wrightstown" D; "Sherwood" D; "Little" D; "Chute" D



2.250" Radius, 0.750" Border,
"SOUTH" C; "Delanglade" C; "St" C

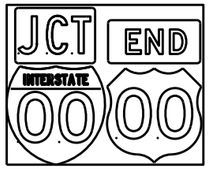
7

7

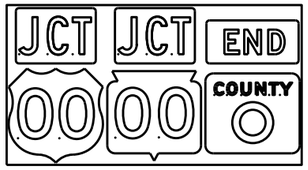
PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	PERMANENT SIGNING	SHEET NO: 505	E

TYPICAL ASSEMBLIES

J1-1

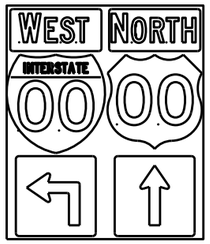


J1-2

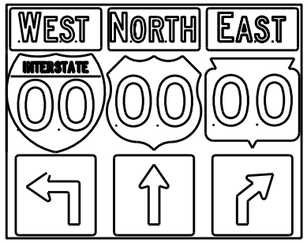


J1-3

J2-1



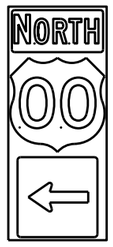
J2-2



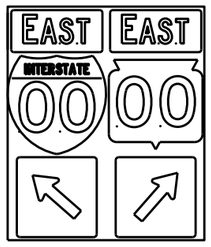
J2-3

JV

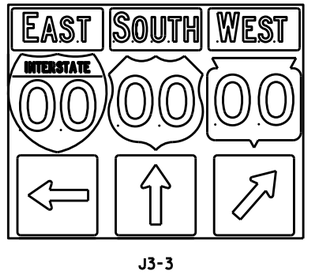
(Typical Vertical J-Assembly
See Note 10 and 11)



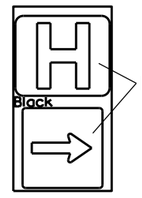
J3-1



J3-2

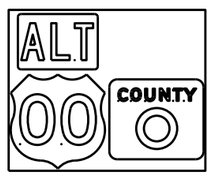


J3-3

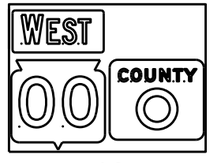


JH-1

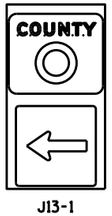
J4-1



J4-2



J4-2



J13-1

J12-1

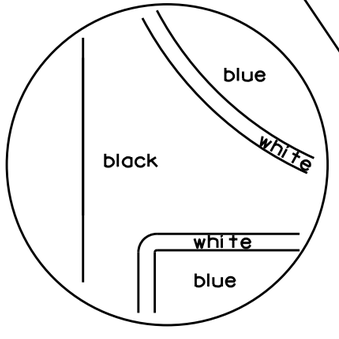
J32-1

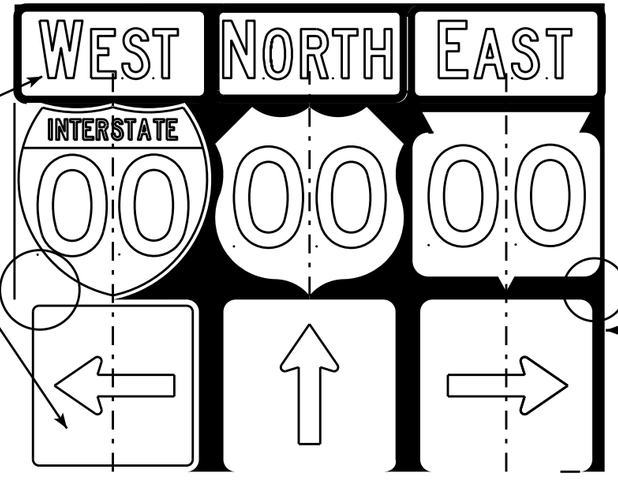
J33-1

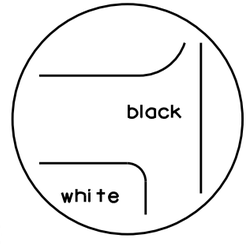
J23-1

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

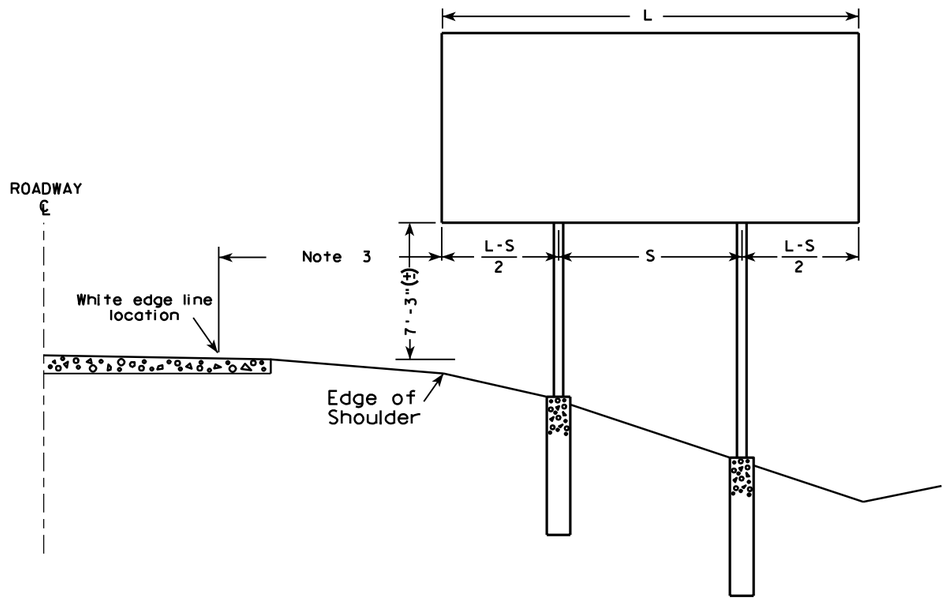
APPROVED Matthew R Rauch
for State Traffic Engineer

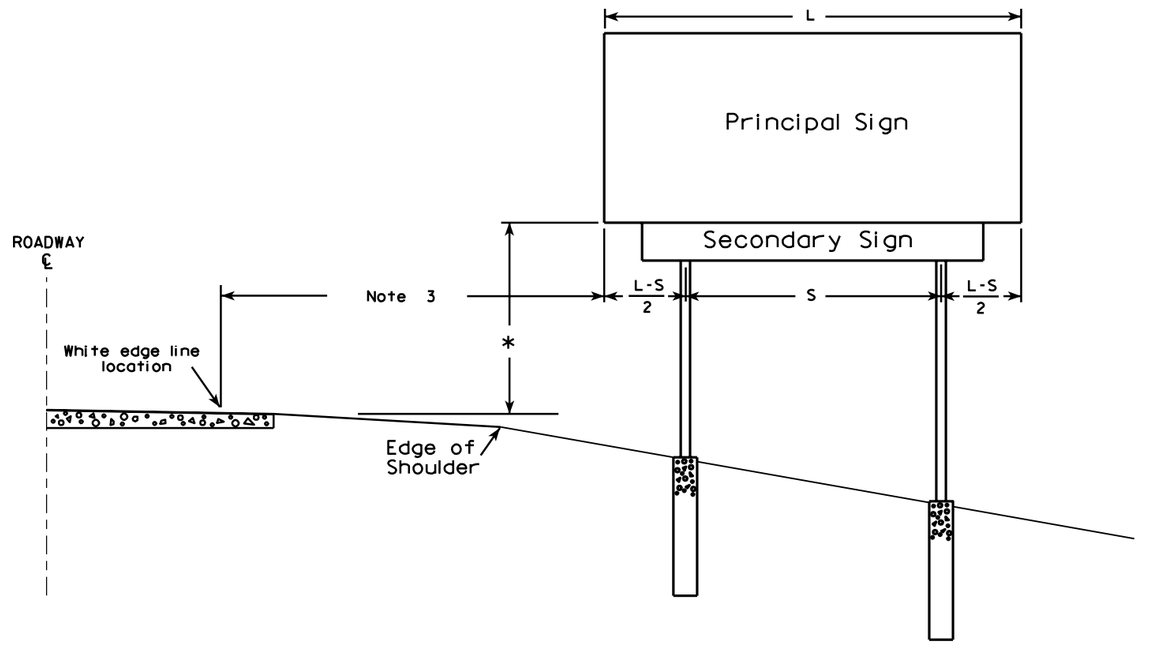
DATE 2/06/14 PL... A2-1S.8

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





GENERAL NOTES

1. For a 2 post installation, S equals 3L/5, but shall not be less than 9 ft.
2. For a 3 post installation, S equals 5L/7, but shall not be less than 18 ft., and the space between any two posts shall not be less than 9 ft.
3. Unless noted in the plan, the sign offset distance shall be a minimum of 17'-6", desirable 30'-0".
4. The (±) tolerance shown on this sheet is 3 in.
5. The vertical sign height clearance detailed is measured from the bottom of the sign to the near edge of pavement.
6. Post lengths shown in the miscellaneous quantities are estimated lengths. The contractor shall verify post lengths at the time of final grading.
7. Refer to the Traffic Guidelines Manual for further guidance on minimum vertical clearance requirements.

* Clearance is 8'-3"(±) when the secondary sign is 3 ft. or less in height. For secondary signs larger than 3 ft., the clearance to the bottom of the secondary sign shall be 5'-3"(±).

7

7

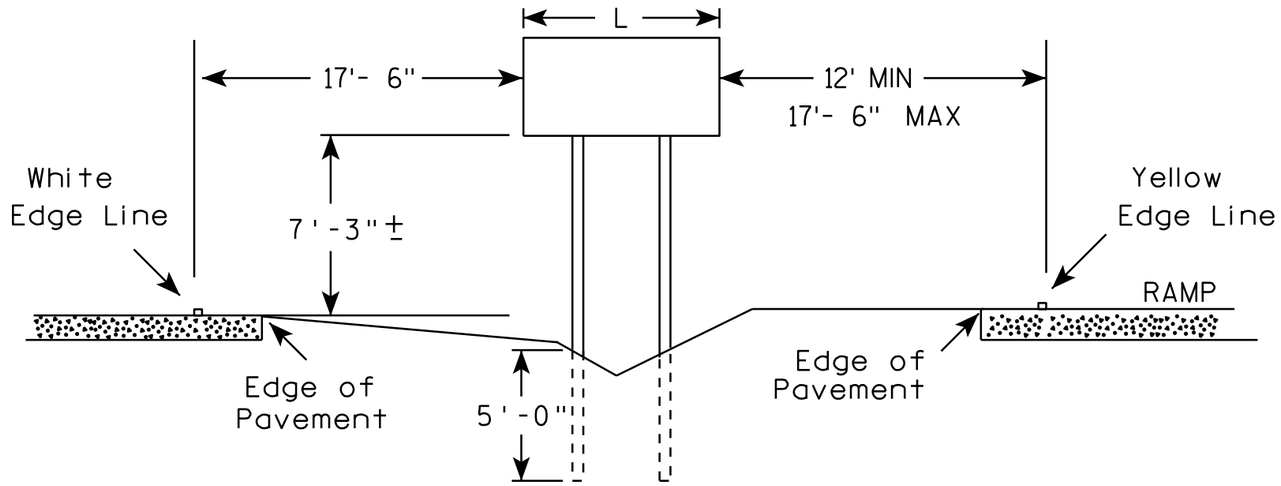
TYPICAL INSTALLATION
OF TYPE I SIGNS

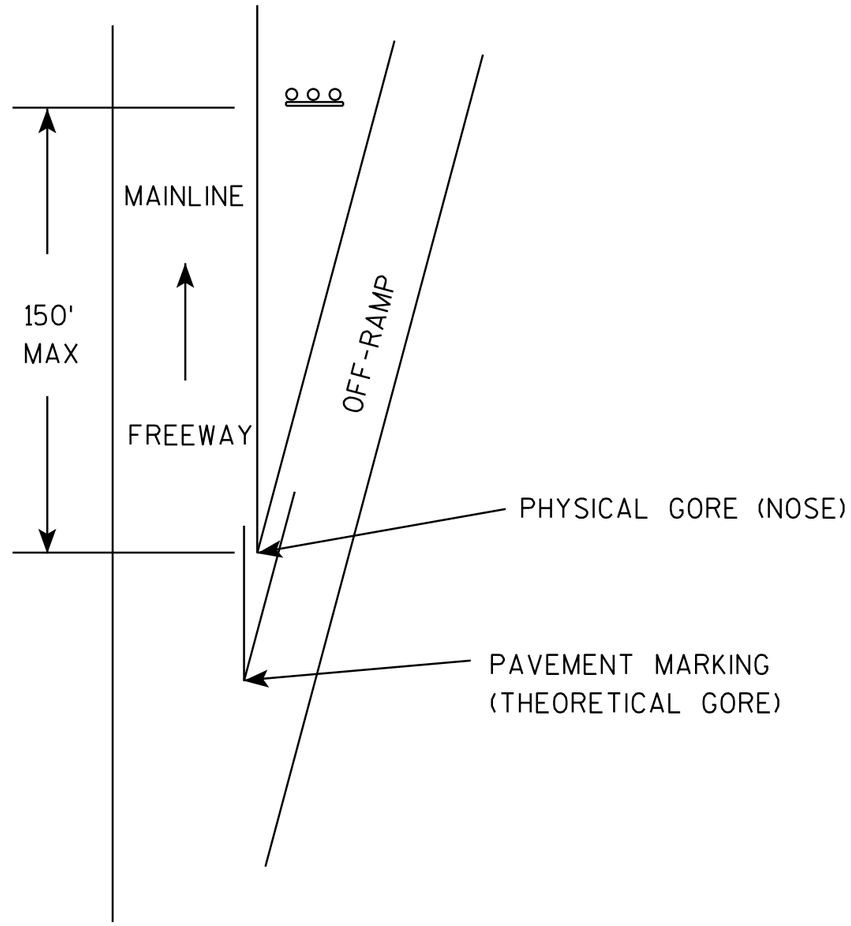
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 4/02/08 PLATE NO. A4-1.9

PROJECT NO:				SHEET NO: 507	E





GENERAL NOTES

1. The 150 foot distance from the physical gore (where pavement ends) will normally provide the offsets as shown.
2. If roadway geometrics permit, the sign may be closer than the 150 foot distance as long as the offsets are maintained.
3. At no time shall the location be greater than 150 feet. If the normal offsets cannot be maintained, they can be reduced to 6 feet from the edge of the paved shoulder (both freeway and ramp).
4. The offset from edge of sign to the yellow edge line on the ramp is shown as a minimum of 12 feet and a maximum of 17 feet, 6 inches. Preference is adhering to the maximum rather than the minimum dimension.
5. When L is equal to or exceeds 10 feet, use 3 posts as per A4-4.
6. The (∓) tolerance for the mounting height is 3 inches.

7

7

TYPICAL INSTALLATION
OF TYPE II SIGNS ON
WOOD POSTS IN GORE

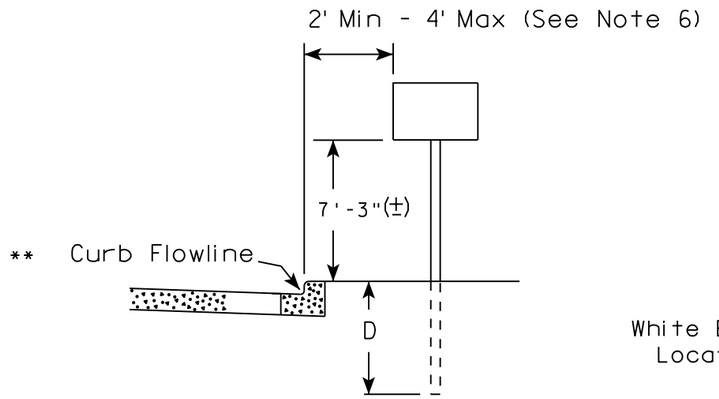
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

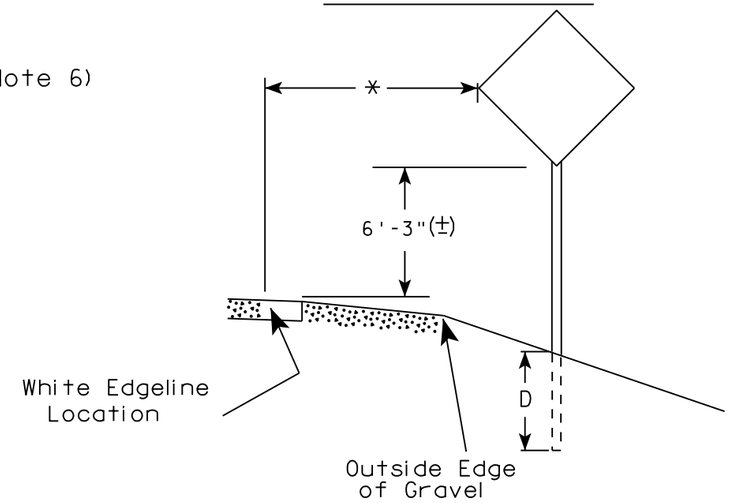
DATE 2/06/14 PLA 508 A4-2.3

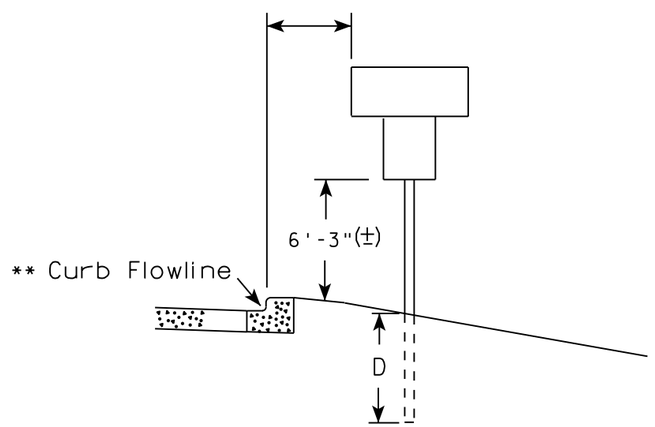
PROJECT NO: | SHEET NO: E

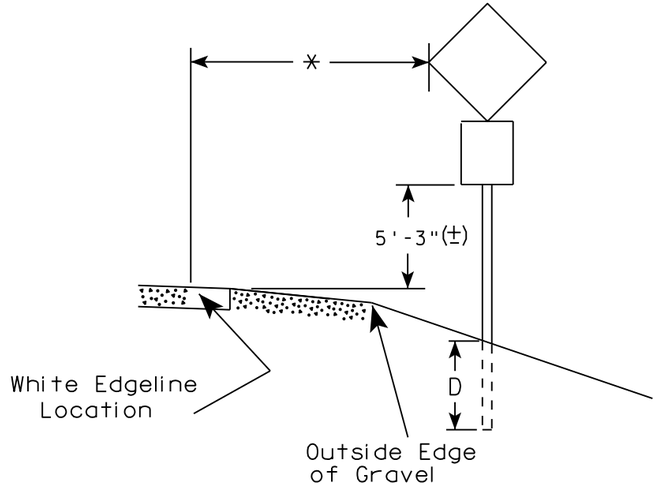
URBAN AREA



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 or 20 sq.ft or larger, shall be mounted on multiple posts. Refer to plate A4-4.
2. If signs are mounted on barrier wall, see A4-10 sign plate.
3. For expressways and freeways, mounting height is 7'- 3" (±) or 6'-3" (±) depending upon existence of a sub-sign.
4. J-Assemblies are considered to be one sign for mounting height.
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" (±).

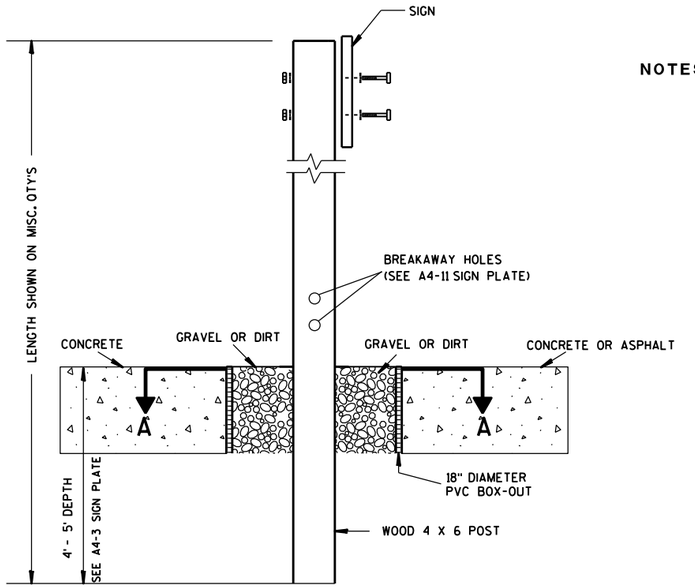
TYPICAL INSTALLATION OF PERMANENT TYPE II SIGNS ON SINGLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 8/21/17 PLATE NO. A4-3.21

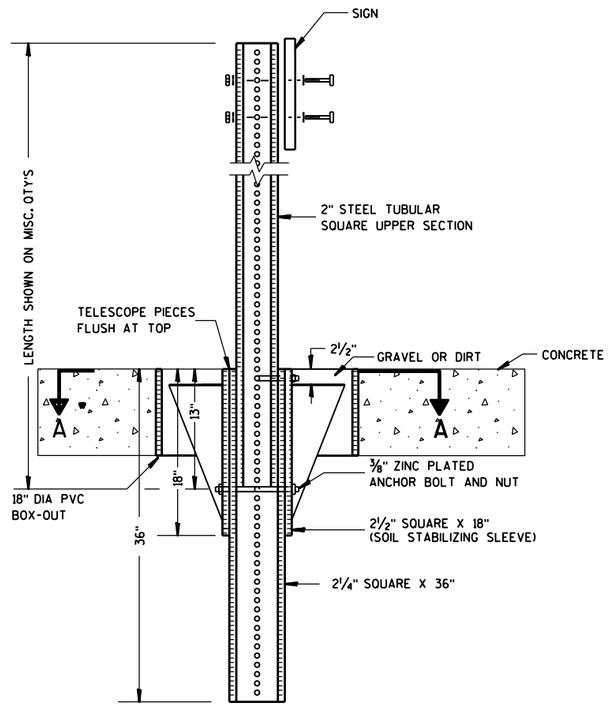
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 509	E



ELEVATION VIEW

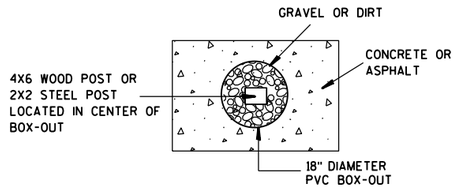
DETAIL OF WOOD 4 X 6 SIGN POST IN BOX-OUT

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



ELEVATION VIEW

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



PLAN VIEW

FOR NEW CONCRETE/ASPHALT INSTALLATIONS

SIGN POST BOX-OUTS A4-3B

WISCONSIN DEPT OF TRANSPORTATION

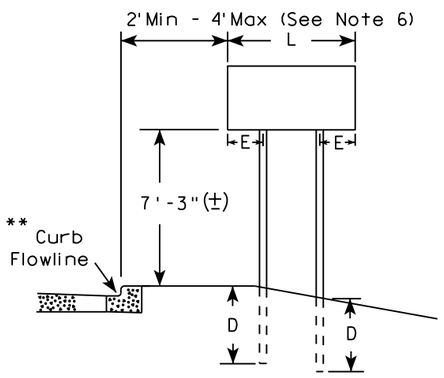
APPROVED Matthew R Rauch
for State Traffic Engineer

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

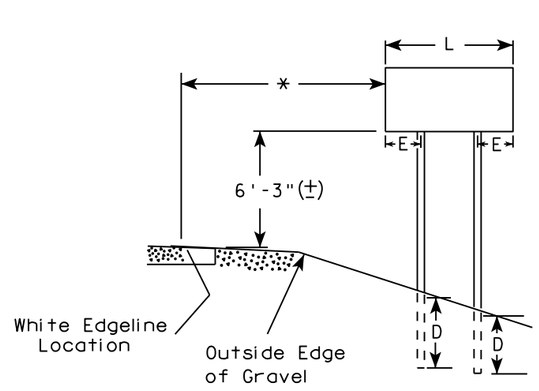
PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

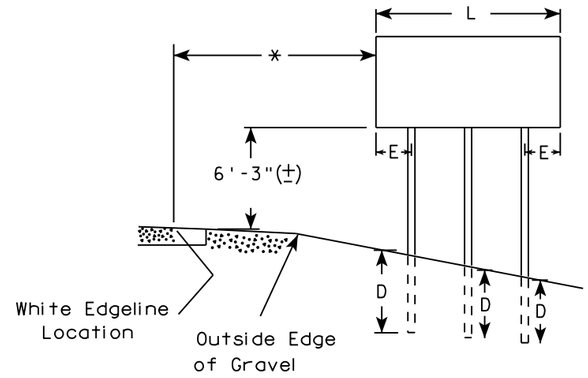
FILE NAME : C:\CAEFiles\Projects\tr_stdplate\A43B.DGN PLOT DATE : 27-JAN-2014 09:48 PLOT BY : mscsja PLOT NAME : PLOT SCALE : 13.659812:1.000000 WISDOT/CADDS SHEET 42

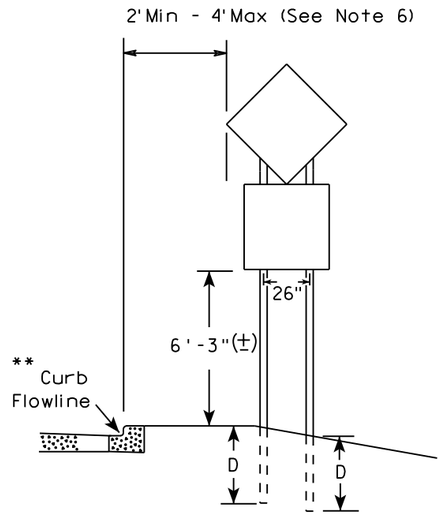
URBAN AREA



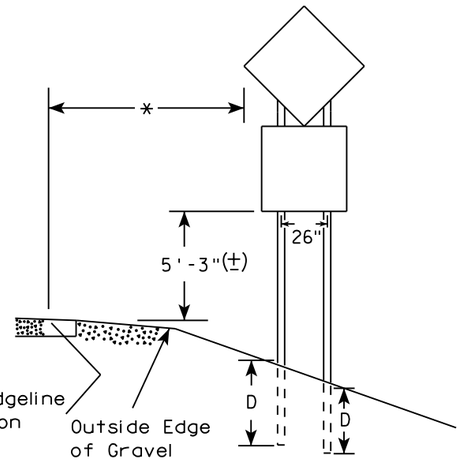
RURAL AREA (See Note 3)







48" DIAMOND WARNING SIGN



48" DIAMOND WARNING SIGN

SIGN SHAPE OTHER THAN DIAMOND (TWO POSTS REQUIRED)		
	L	E
***	Greater than 48" Less than 60"	12"
	60" to 108"	L/5

SIGN SHAPE OTHER THAN DIAMOND (THREE POSTS REQUIRED)	
L	E
Greater than 108" to 144"	12"

GENERAL NOTES

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

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

** The existence of curb and gutter does not in itself mandate the vertical clearance illustrated. That height is typically measured where there is sidewalk adjacent to the roadway or parking is permitted. In the absence of sidewalk vertical clearance is measured from the top of the curb. Offset of signs is measured from the flow line.

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

POST EMBEDMENT DEPTH

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

TYPICAL INSTALLATION OF TYPE II SIGNS ON MULTIPLE POSTS

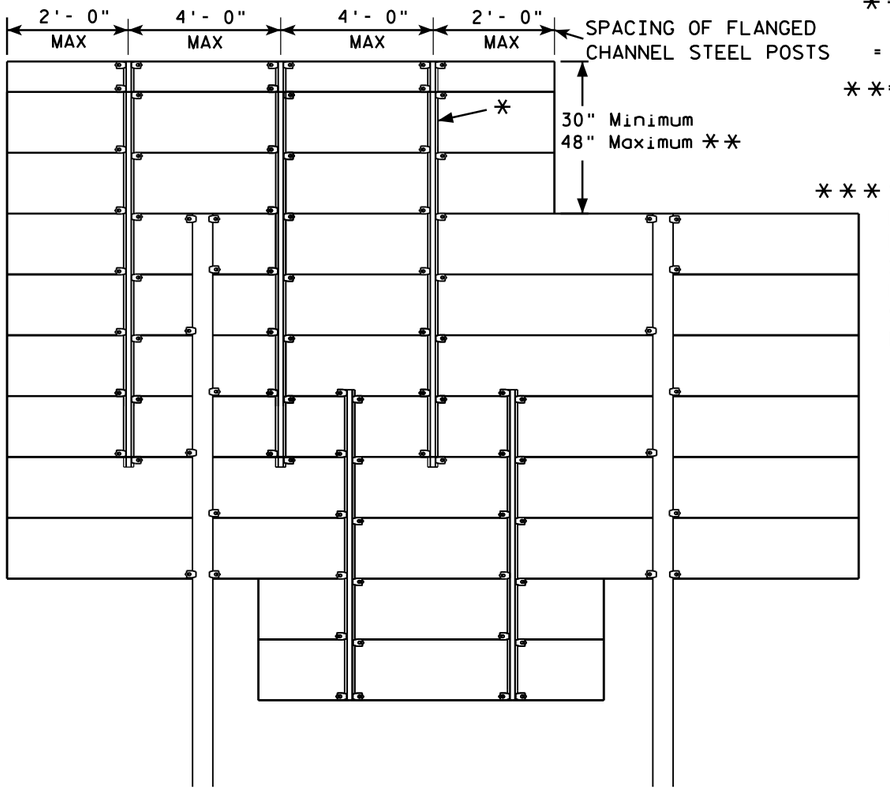
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 8/21/17 PLATE NO. A4-4.15

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 511	E

GROUND MOUNTED SIGN

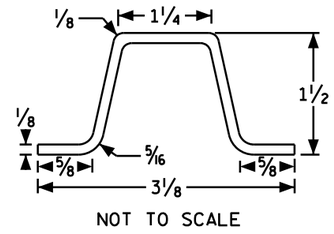


* =2.00 lb/ft FLANGED CHANNEL, MIN. YIELD STRENGTH = 60,000 PSI (GRADE 60) GALVANIZED

** =FOR 48" HEIGHT PANELS ON OVERHEAD STRUCTURES, ENTIRE SIGN SHALL BE CENTERED VERTICALLY ABOUT THE DEPTH OF THE TRUSS.

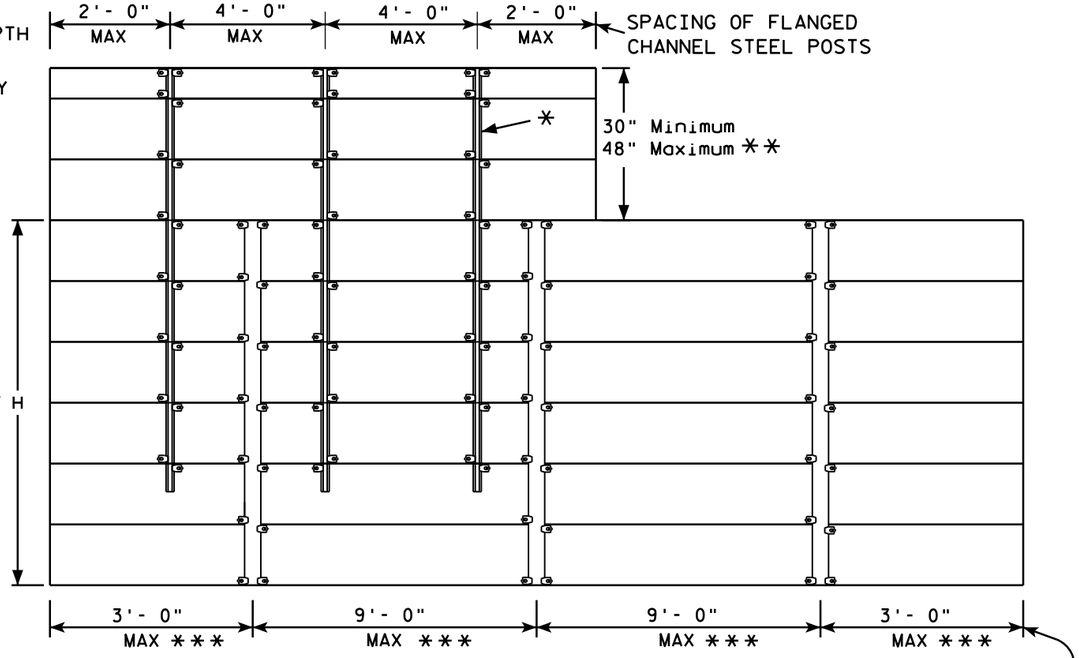
*** THESE SPACING DISTANCES SHALL ONLY BE USED WHEN THE MAIN SIGN HAS A MAXIMUM HEIGHT (DIMENSION H) OF 16 FT OR LESS. FOR SIGNS WITH A HEIGHT OF GREATER THAN 16 FT, STRUCTURAL CALCULATIONS SHALL BE PERFORMED.

FLANGE CHANNEL DETAIL



NOT TO SCALE

SIGN BRIDGE MOUNTED SIGN



GENERAL NOTES

1. Flanged channel steel posts shall conform to size and material above, and shall be considered as incidental to other items in the contract.

2. Number of Flanged channel steel supports varies with length of panel and shall be spaced as shown:

   PANEL LENGTH 8'-0" OR LESS = 2 CHANNELS
   PANEL LENGTH 9'- 0" - 12'- 0" = 3 CHANNELS
   PANEL LENGTH 13'- 0" OR MORE = 4 CHANNELS

   If the flanged channel steel posts can not be horizontally spaced as shown, they can be moved so as to securely hold the sign.

3. The EXIT NUMBER PANEL shall normally be positioned above the guide sign aligned with the right edge of the guide sign. If the guide sign indicates a left exit, the EXIT NUMBER PANEL shall be aligned with the left edge of the guide sign.

4. If the bolt holes in the top panel (EXIT NUMBER), or sub panel (NEXT EXIT) line up with holes in main sign panel, stitch bolts shall be used in addition to the channels.

5. Provide post clips for each sign as shown. (Please note the differences between a ground mounted versus Sign bridge mounted sign as far as number of clips required on the main supports or beams)

6. Structural steel sign supports shall extend to the top of the main signs, as shown on the above details.

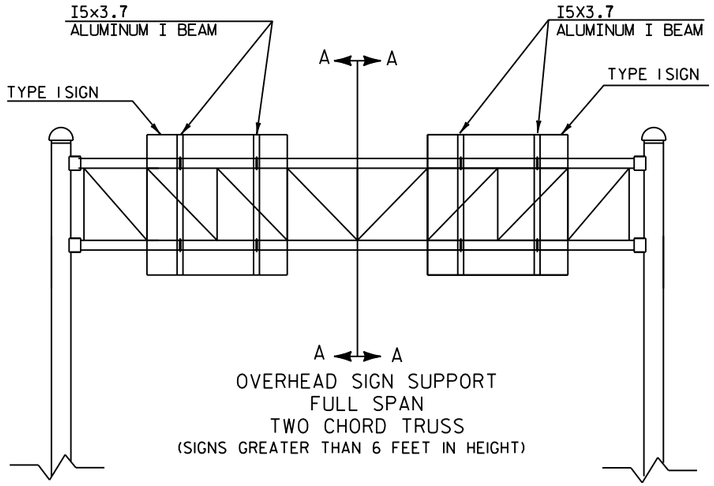
ATTACHMENT OF GUIDE SIGNS TO SUPPORTS

WISCONSIN DEPT OF TRANSPORTATION

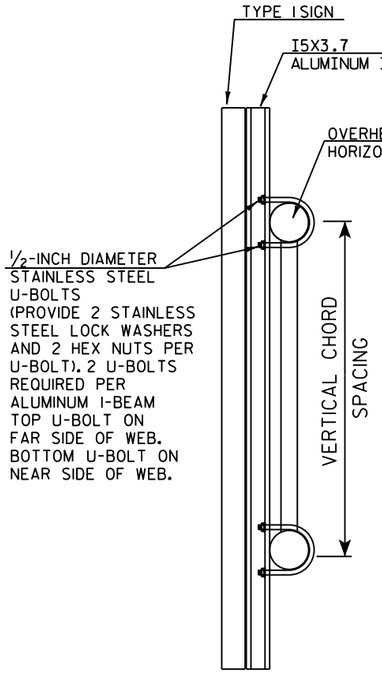
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/05/13 PLAT 512 A4-6.12

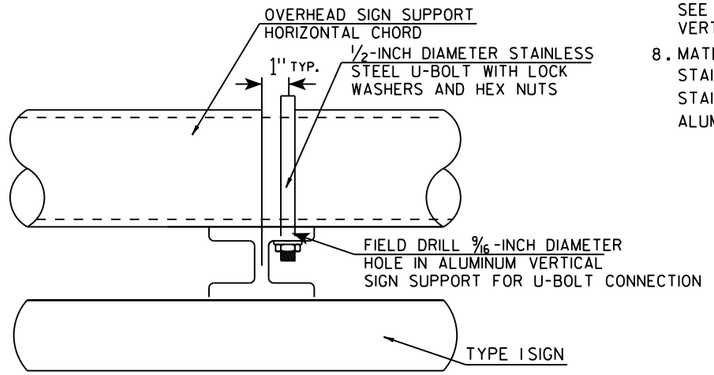
PROJECT NO: | SHEET NO: E



OVERHEAD SIGN SUPPORT
FULL SPAN
TWO CHORD TRUSS
(SIGNS GREATER THAN 6 FEET IN HEIGHT)



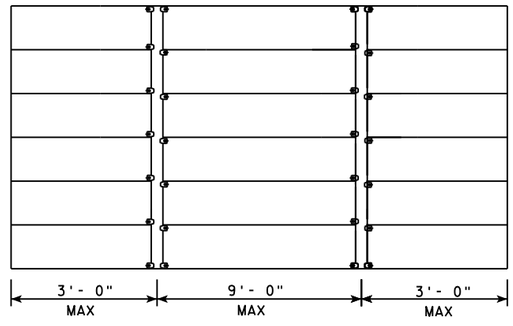
CUT SECTION A-A



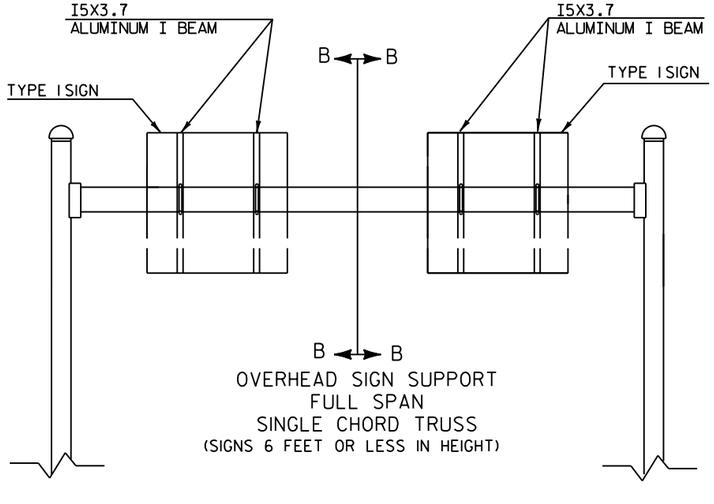
TYPICAL SIGN CONNECTION FOR
TWO CHORD TRUSS
PLAN VIEW

GENERAL NOTES

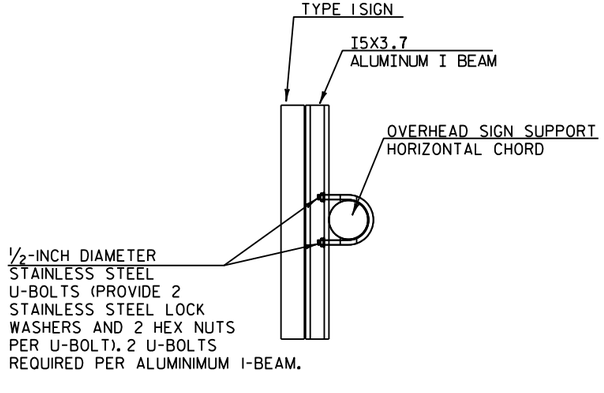
1. USE STAINLESS STEEL U-BOLTS, WASHERS, AND NUTS.
2. USE CLIPS ON EVERY EXTRUDED PANEL JOINT PER SIGN PLATE A4-6.
3. USE ALUMINUM VERTICAL SIGN SUPPORT BEAMS HAVING A 5 INCH BEAM DEPTH AND WEIGHT OF 3.7 LBS PER FOOT.
4. U-BOLTS SHALL BE STAINLESS STEEL AND MANUFACTURED TO THE PROPER SIZE TO FIT THE 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.



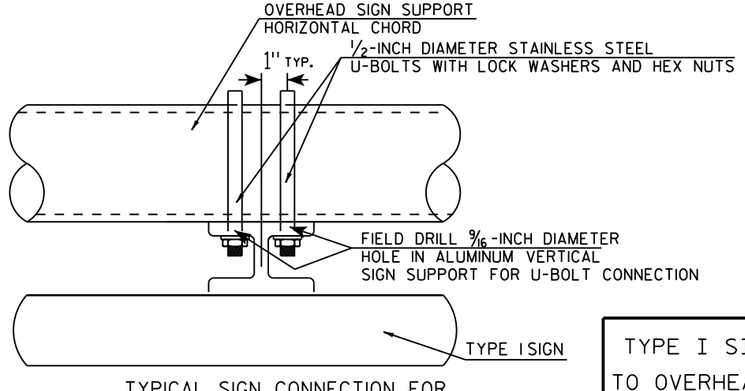
SPACING OF I5X3.7 ALUMINUM
VERTICAL SIGN SUPPORT



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

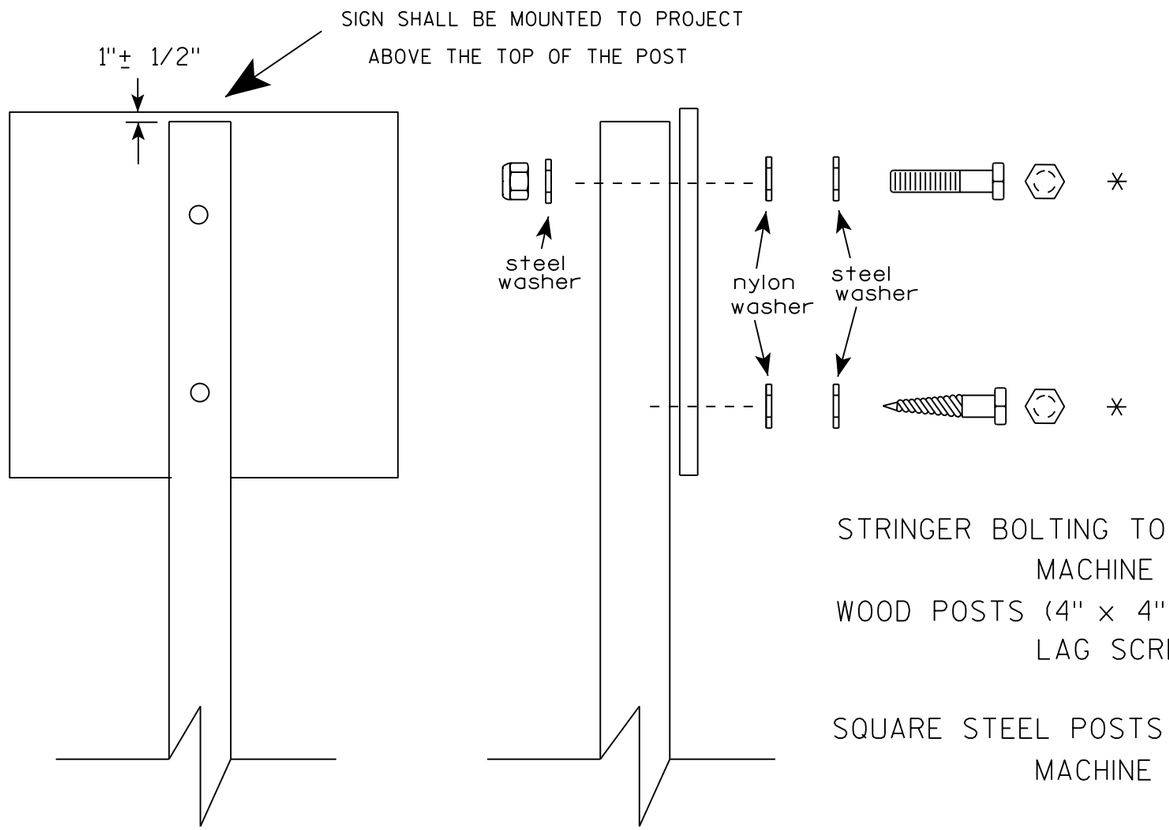
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch for State Traffic Engineer

DATE 11/10/15 PLATE NO. A4-7.4

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\A47.DGN PLOT DATE : 01-DEC-2015 17:42 PLOT BY : $$ plotuser $$ PLOT NAME : PLOT SCALE : 38.916838:1.000000



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

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

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

STRINGER BOLTING TO ALUMINUM SIGNS (SEE SIGN PLATE A4-18)
MACHINE BOLTS - 5/16" X 1-3/4" Length w/ lock nuts
WOOD POSTS (4" x 4" or 4" x 6")
LAG SCREWS - 3/8" X 3" (NO STRINGERS ON BACK OF SIGN)
3/8" X 4" (STRINGERS ON BACK OF SIGN)
SQUARE STEEL POSTS (2" x 2")
MACHINE BOLTS - 3/8" X 3-1/4" Length w/ nuts (NO STRINGER ON BACK OF SIGN)
3/8" X 5" Length w/ nuts (STRINGERS ON BACK OF SIGN)
RIVETS - 9/32 " (6605-9-6) BULB-TITE, TRI-FOLD, ALUMINUM BODY/MANDREL
O.D. FLANGE .720-.765 INCH, GRIP RANGE .042-.375 INCH
WASHERS (ALL POSTS) -
1-1/4" O.D. X 3/8" I.D. X 1/16" STEEL
1-1/4" O.D. X 3/8" I.D. X .080 NYLON

* Two different fastening systems are shown for illustration purposes. On any individual sign, either one or the other system shall be used. Actual number of fasteners per sign varies with the sign area, but normally there are two. For a single post installation, all signs greater than 9 sq. ft. require the use of 3 fasteners.

ATTACHMENT OF SIGNS TO POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
For State Traffic Engineer

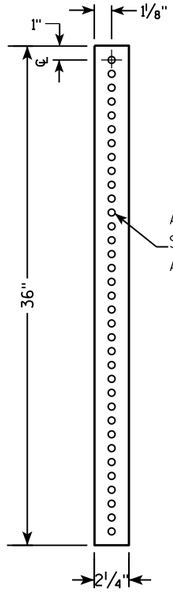
DATE 8/11/16 PLATE NO. A4-8.8

PROJECT NO: SHEET NO: E

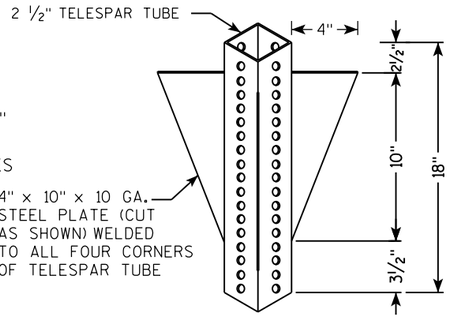
FILE NAME : C:\CADfiles\Projects\tr_stdplate\A48.DGN PLOT DATE : 11-AUG-2016 11:35 PLOT BY : $$ plotuser $$

TELESCOPIC TUBING ANCHORS
TWO PIECE SYSTEM

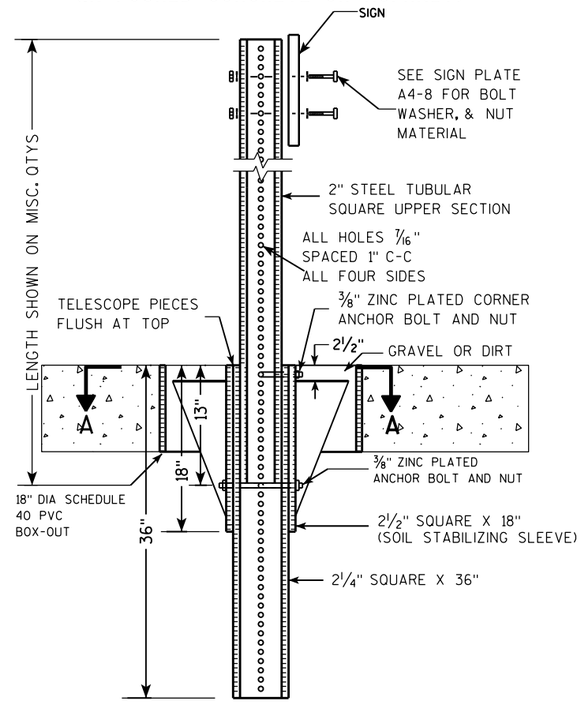
2 1/4 " SQUARE
12 GAUGE
PERFORATED
GALVANIZED FINISH



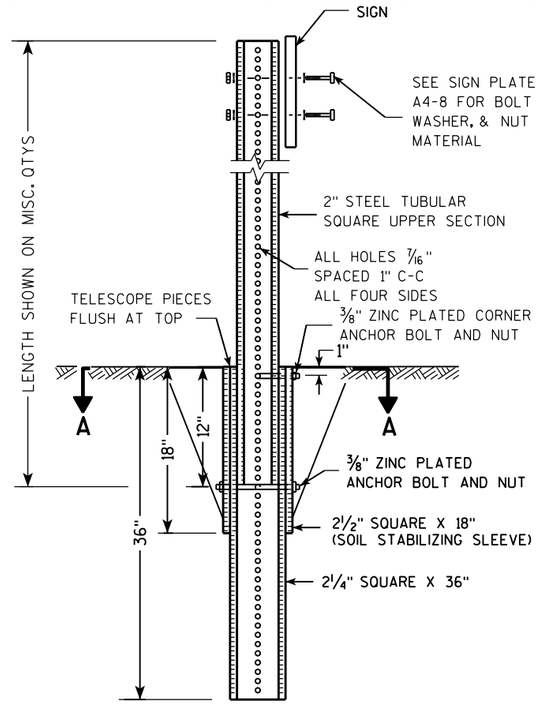
2 1/2 " SQUARE
12 GAUGE
OMNI-DIRECTIONAL
PERFORATED
SOIL STABILIZING SLEEVE
GALVANIZED FINISH

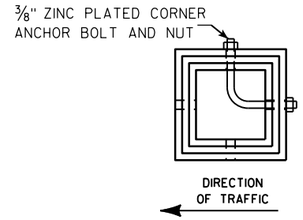


DETAIL OF TUBULAR STEEL SIGN POST
(IN POURED CONCRETE OR ASPHALT)



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





SECTION A-A

Area of Sign Installation (Sq. Ft.)	Number of Required Posts
9 or less	1
Greater than 9 less than or equal to 18	2
Greater than 18 less than or equal to 27	3

Signs wider than 3 feet or larger than 9 sq. ft shall be mounted on multiple posts (see above table).

TUBULAR STEEL
SIGN POST
A4-9

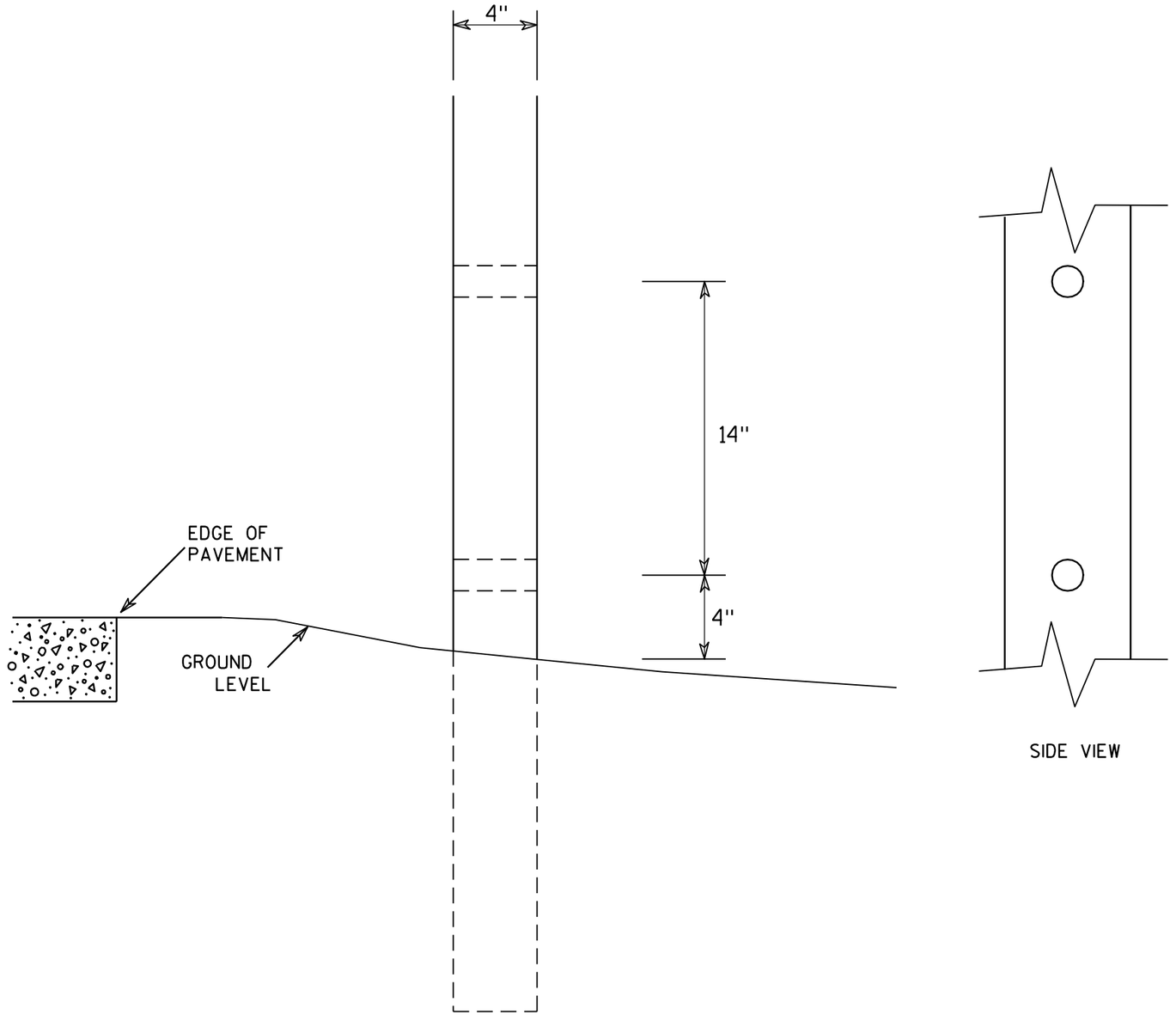
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/05/15 PLATE 515 A4-9.9

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

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



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.

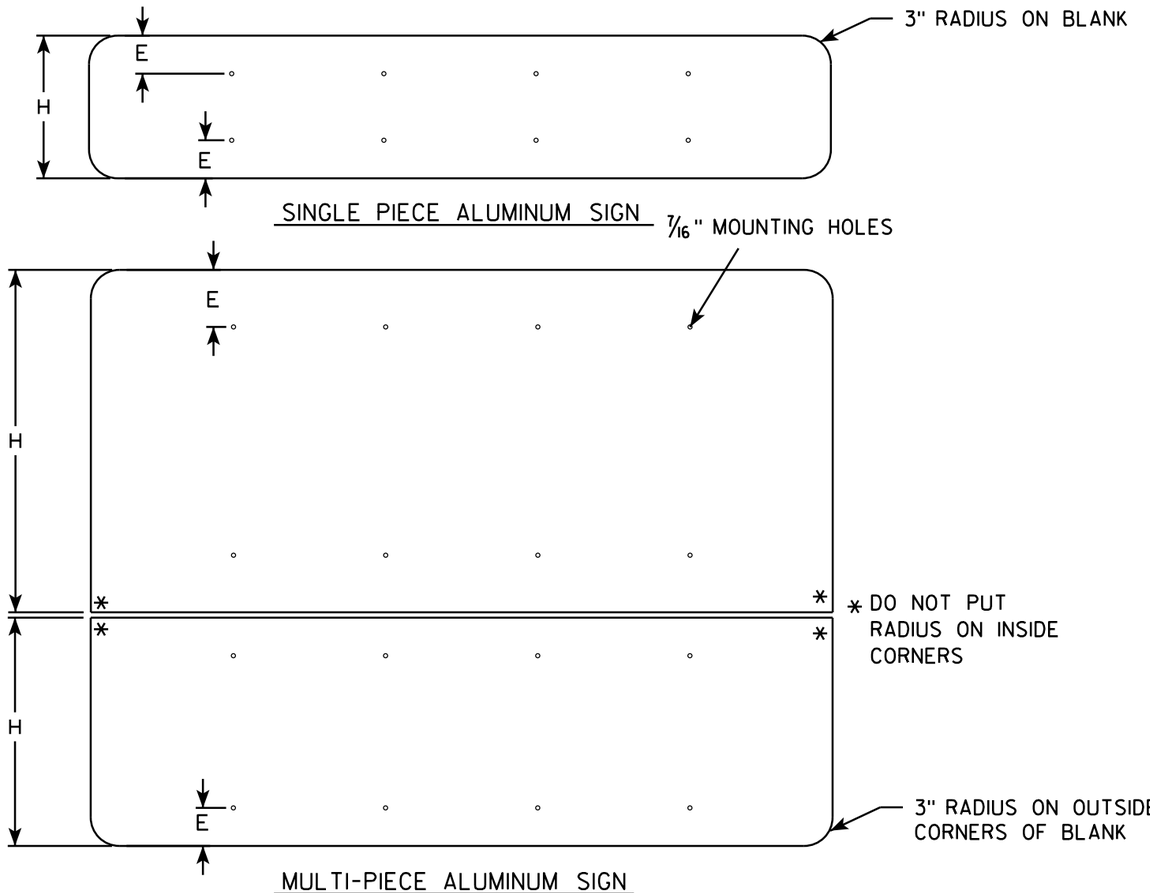
4 X 6 WOOD POST MODIFICATIONS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Chester J Spang for State Traffic Engineer

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

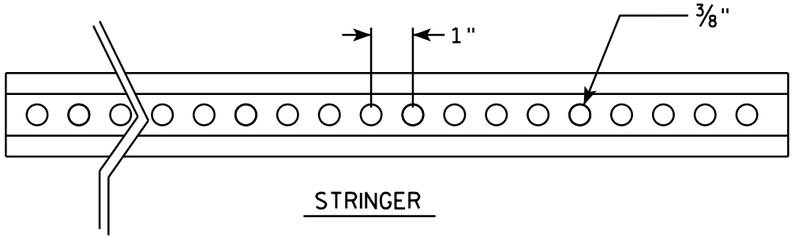
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 516	E



GENERAL NOTES

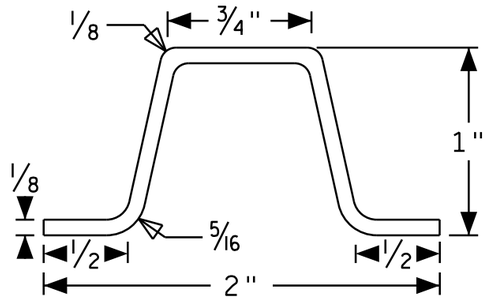
- ALL SIGNS OVER 60" IN WIDTH SHALL HAVE A 3" RADIUS ON THE OUTSIDE CORNERS OF THE ALUMINUM BLANK.
- MOUNTING HOLES SHALL BE 7/16" DIAMETER.
- SEE CHART FOR HOLE SPACING REQUIREMENTS
- FOR SIGN PANELS WITH DIMENSION (H) 36" AND OVER, DIMENSION E SHALL BE 6"
- FOR SIGN PANELS WITH DIMENSION (H) UNDER 36", DIMENSION E SHALL BE 4"
- SIGN STRINGER MATERIAL SHALL CONSIST OF STEEL CHANNEL POST SECTIONS, WEIGHING 1.12 LBS/FT IN ACCORDANCE WITH SECTION 633.2.1 OF THE STANDARD SPECIFICATIONS FOR HIGHWAY AND STRUCTURE CONSTRUCTION.
- SEE SIGN PLATE A4-8 FOR SIGN STRINGER BOLTING REQUIREMENTS.

SIGN WIDTH	STRINGER WIDTH	POSTS	HOLE SPACING	MOUNTING HOLES
78"	72"	2	16"	15" 31" 47" 63"
84"	72"	2	17"	16½" 33½" 50½" 67½"
90"	72"	2	18"	18" 36" 54" 72"
96"	90"	2	19"	19½" 38½" 57½" 76½"
102"	90"	2	20"	21" 41" 61" 81"
108"	90"	2	21"	22½" 43½" 64½" 85½"
114"	108"	3	15"	12" 27" 42" 57" 72" 87" 102"
120"	108"	3	16"	12" 28" 44" 60" 76" 92" 108"
126"	108"	3	17"	12" 29" 46" 63" 80" 97" 114"
132"	126"	3	18"	12" 30" 48" 66" 84" 102" 120"
138"	126"	3	19"	12" 31" 50" 69" 88" 107" 126"
144"	126"	3	20"	12" 32" 52" 72" 92" 112" 132"

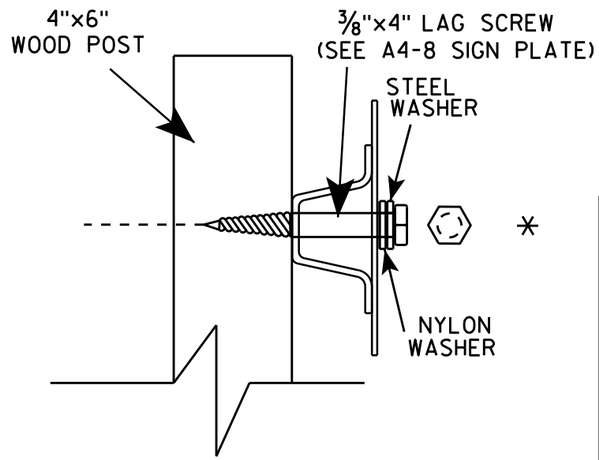


STRINGER

CROSS SECTION VIEW OF CHANNEL



POST MOUNTING



SIGN STRINGER MOUNTING REQUIREMENTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch

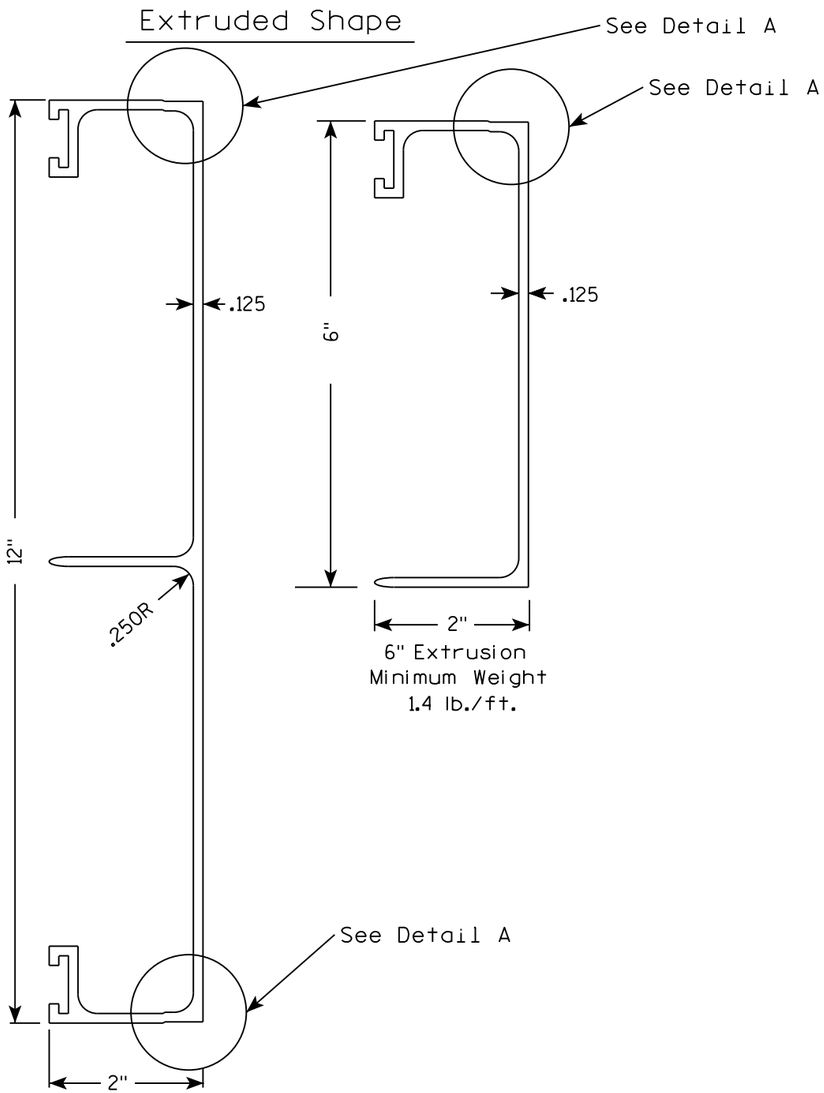
for State Traffic Engineer

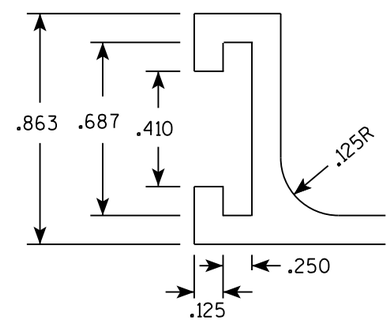
DATE 4/26/16 PLATE NO A4-18.1

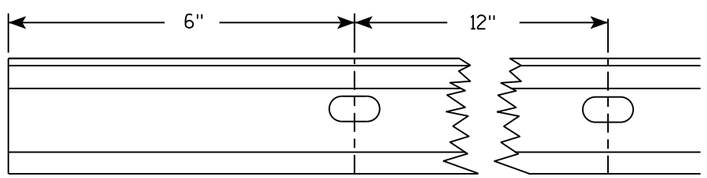
PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\A418.dgn PLOT DATE : 27-APR-2016 13:56 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 41.805205:1.000000 WISDOT/CADDS SHEET 42

Extruded Shape







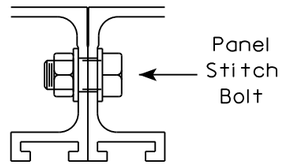
Punch 7/16" x 7/8" oval holes beginning 6" in from end of extrusion 12" CC on both edges of 6" and 12" panels.

Hardware

STITCH BOLT, WASHER & NUT

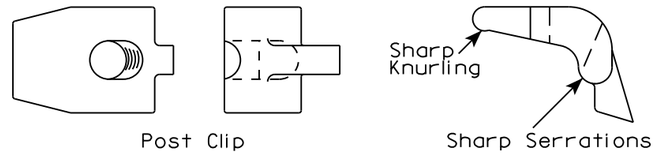
The hardware includes:

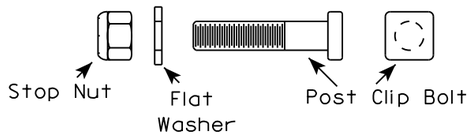
3/8 " - 16 X 3/4 " Economy Bolt 2024-T4 alloy
3/8 " - Stainless steel stop nut
3/8" X .064 Flat Washers, Alclad 2024-T4 alloy



POST CLIP, POST CLIP BOLT, WASHER & NUT

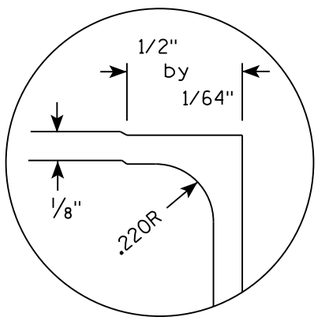
Post Clip shall be Alum. Alloy 356-T6
Post Clip Bolt shall be Stainless Steel.
Flat washer shall be 3/8" X .091, Stainless Steel.
Stop nut shall be stainless steel.





NOTES

1. The contractor may select any brand of extrusion that conforms to the illustrations or meets with the approval of the engineer, but all extrusions used on this contract shall be of the same brand.
2. Panel Stitch Bolts shall be used to assemble adjacent panels. Maximum stitch bolt spacing shall be 24" C-C, and a minimum of 4 bolts shall be used to connect any two extrusions.
3. Post Clips shall be used to attach the sign panel to the sign support.
4. Edge wrapping of sign sheeting required on all extrusions joints shown in Detail A.



DETAIL A (EDGE WRAP JOINT)

ALUMINUM EXTRUSIONS FOR TYPE I SIGNS

WISCONSIN DEPT OF TRANSPORTATION

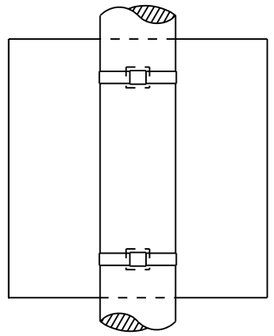
APPROVED Matthew R Rauch
for State Traffic Engineer

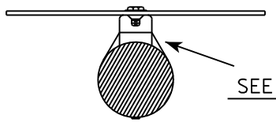
DATE 11/30/16 PLATE NO. A5-2.10

PROJECT NO:				SHEET NO: 518	E

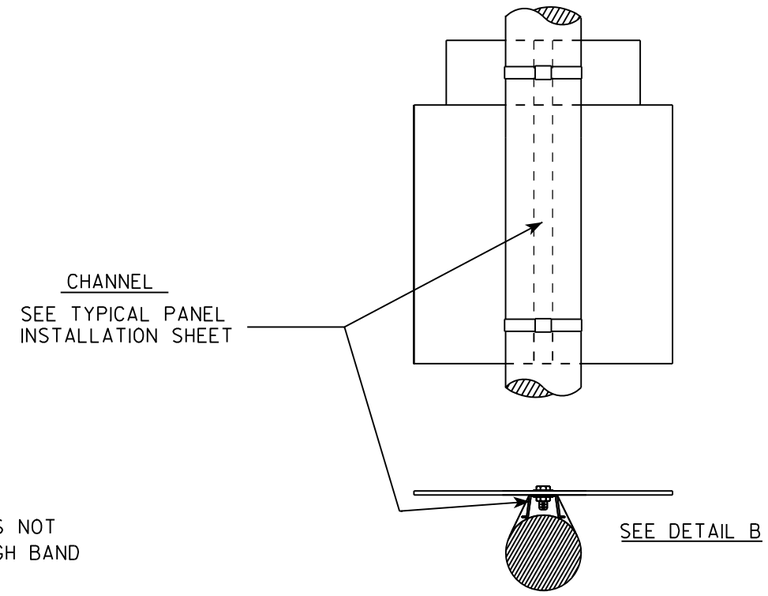
BANDING

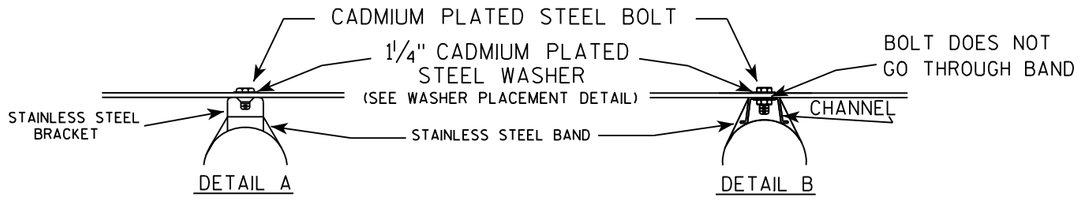
SINGLE SIGN



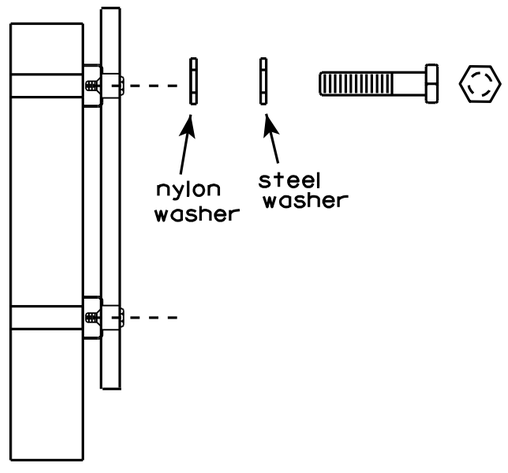


"J" ASSEMBLY





WASHER PLACEMENT



WASHERS (ALL POSTS) -
1-1/4" O.D. X 3/8" I.D. X 1/16" STEEL
1-1/4" O.D. X 3/8" I.D. X .080 NYLON
FOR ALL TYPE H SIGNS

GENERAL NOTES

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

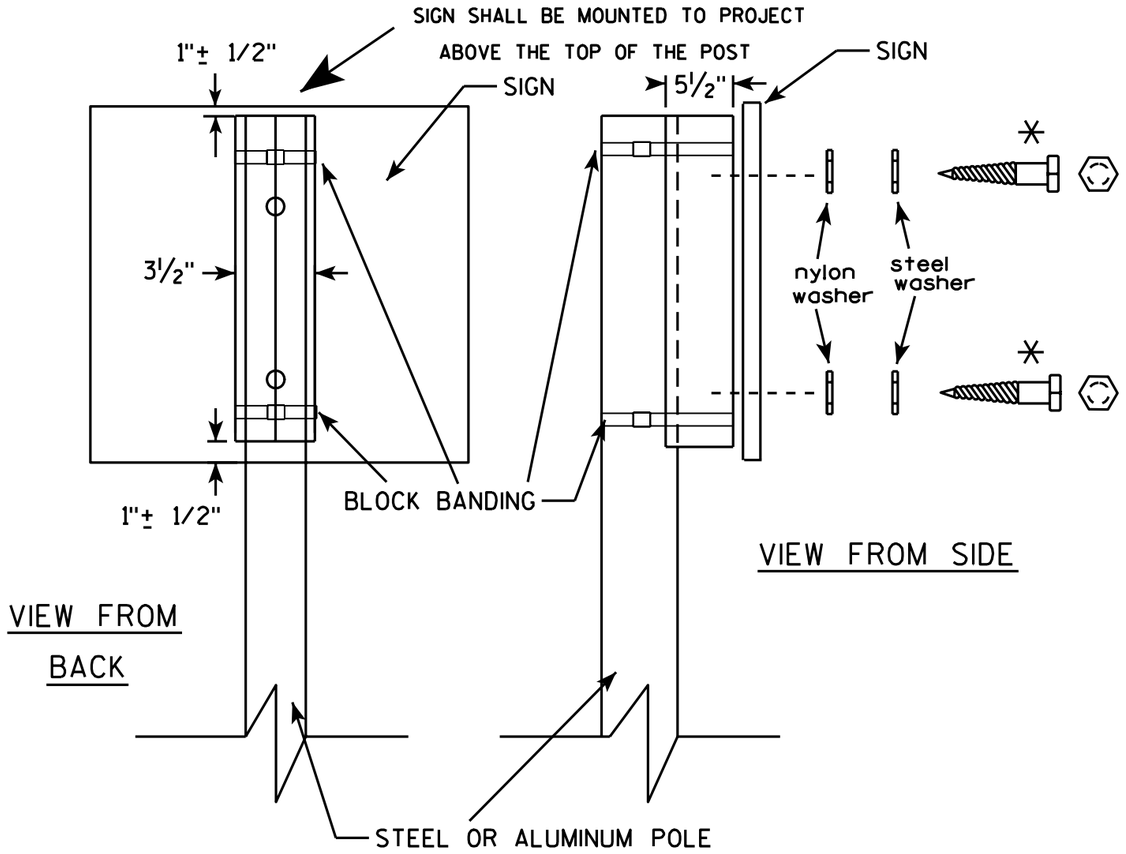
STANDARD SIGN
SIGN BANDING DETAILS

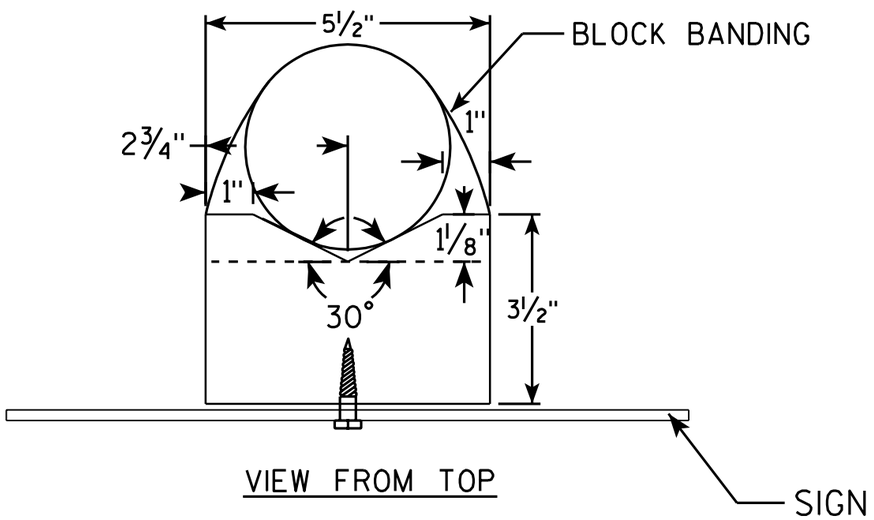
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

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

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 519	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)

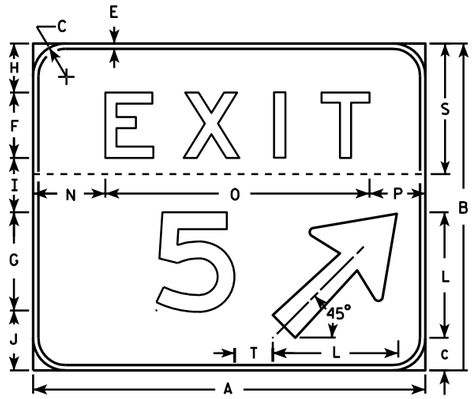
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

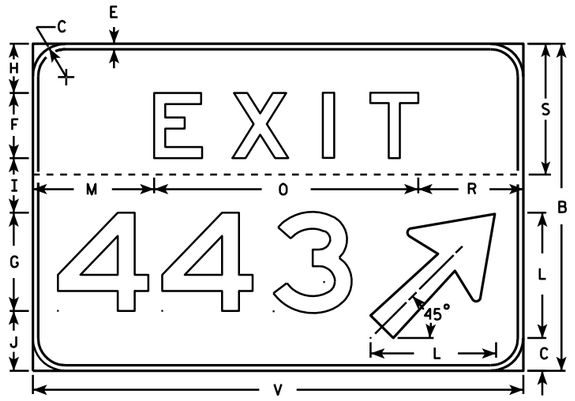
DATE 7/12/07 PLATE NO. A5-10.1

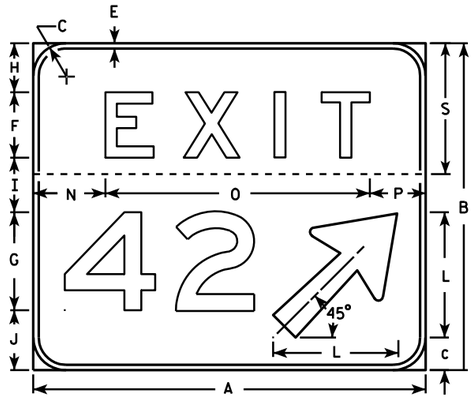
PROJECT NO:

SHEET NO: 520 E



NOTE: T diminision shall be measured from the back of the number to the front of the arrow





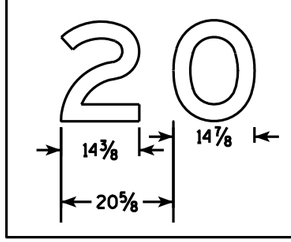
NOTES

1. Sign is Type II - Type H reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Green
   Message - White (Type H reflective)
3. Message Series - E
4. Corners may be square or rounded but the border shall be rounded as shown.
5. Base material for this sign shall be plywood and shall be split into two seperate pieces as shown on each detail by the dashed line (----------).
6. Arrow is Type "A" from sign plate A1-1.
7. Substitute appropriate message, space per the table and adjust placement on sign to achieve proper balance.
8. As per the Standard Spec's, these signs shall not have a vertical joint.

SPACING CHART FOR 18" NUMERALS

NUMBERS	WIDTH	0	1	2	3	4	5	6	7	8	9	A	B	C
0	14 7/8	21 5/8	21 5/8	21 1/4	20 3/8	21 1/4	21 1/4	21 5/8	19 7/8	22 1/8	21 5/8			
1	5 7/8	14	14	14	13 1/8	12 1/8	14	14	12 1/4	14	14			
2	14 3/8	20 5/8	21 1/8	20 5/8	19 3/4	20 1/4	20 5/8	20 5/8	18 7/8	21 1/8	20 5/8			
3	14 3/8	20 3/4	21 1/8	20 3/4	20 1/4	19 3/4	20 3/4	20 3/4	19 3/8	21 1/8	20 3/4			
4	16 5/8	22 7/8	22	22 1/2	21 5/8	21 5/8	22 7/8	22 7/8	20 5/8	23 3/8	22 7/8			
5	14 1/4	20 5/8	20 5/8	20 1/8	18 3/4	18 3/4	20 5/8	20 5/8	18 3/8	20 5/8	20 5/8			
6	14 1/2	21 1/4	20 3/4	20 3/4	19 7/8	19 1/2	20 3/8	20 3/4	19	20 3/4	20 3/8			
7	14 3/8	19 3/4	19 3/4	20 1/4	19 3/4	17	19 3/4	20 5/8	18 7/8	20 5/8	19 3/4			
8	14 1/4	21 1/2	21 1/2	20 5/8	19 1/4	19 3/4	20 5/8	21 1/2	19 5/8	21 1/2	20 5/8			
9	14 1/2	21 1/4	21 1/4	20 7/8	20	20 7/8	20 7/8	21 1/4	19 1/2	21 3/4	21 1/4			
A	18	19 3/4	19 3/4	20 1/4	19 3/4	17	19 3/4	20 5/8	18 7/8	20 5/8	19 3/4	21 5/8	23 7/8	23
B	14 1/4	21 1/2	21 1/2	20 5/8	19 1/4	19 3/4	20 5/8	21 1/2	19 5/8	21 1/2	20 5/8	19 1/2	22 3/8	21 1/2
C	14 1/4	21 1/4	21 1/4	20 7/8	20	20 7/8	20 7/8	21 1/4	19 1/2	21 3/4	21 1/4	18 3/8	21	19 3/4

EXAMPLE FOR USING SPACING CHART



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
2																										
3																										
4																										
5	72	60	6		1	12	18	9	10	11	8 7/8	23	22 1/4	13 1/4	48 1/2	10 1/4		19 1/4	24	7		90		96	7 1/2	

1-2 Digit Bid Area	3 Digit Bid Area
Sq. Ft.	
30	37.5

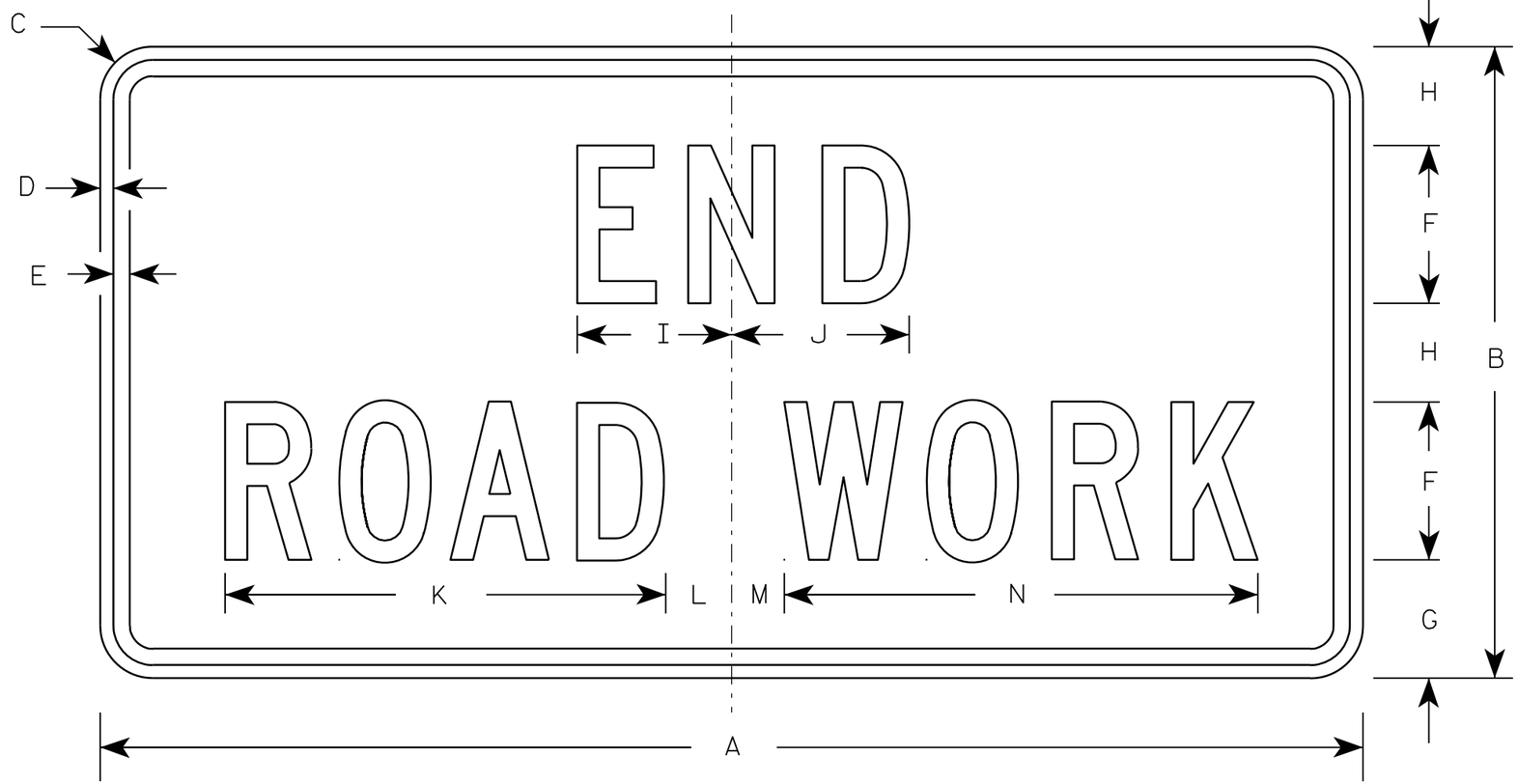
STANDARD SIGN
E5-1A

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch for State Traffic Engineer

DATE 5/11/10 PLATE NO. E5-1A.12

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 521 | 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

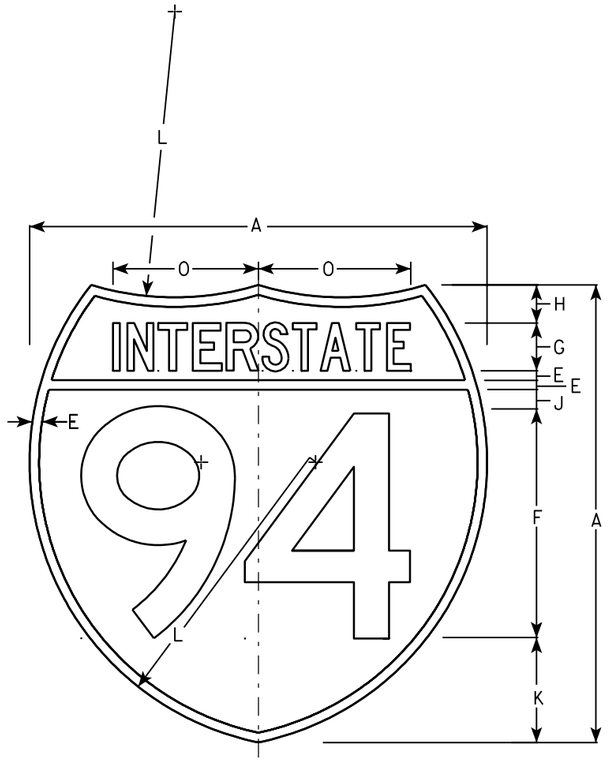
STANDARD SIGN
G20-2A

WISCONSIN DEPT OF TRANSPORTATION

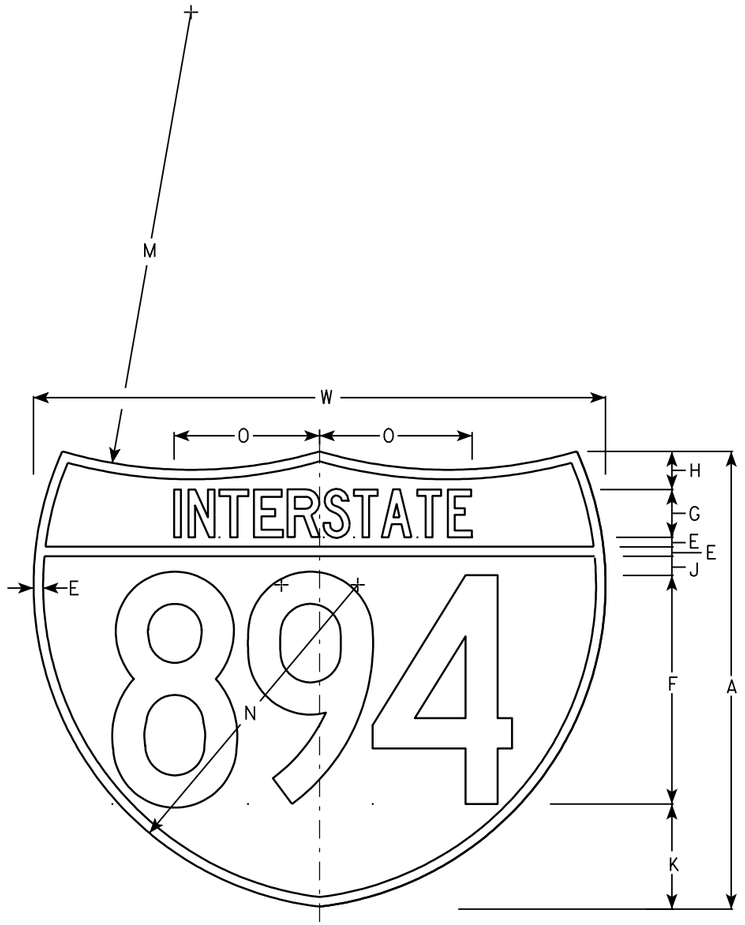
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 9/30/09 PLATE NO. G20-2A.8

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 522	E



M1-1



M1-1A

NOTES

1. Sign is Type II - See Note 6 - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Top Red - Bottom Blue (See Note 6)
   Message - White - See Note 6
3. Message Series - See note 5
4. Substitute appropriate numerals & ajust spacing as per plate A10-1.
5. M1-1 - Numerals - D
   Interstate - C
   M1-1A - All copy - C
6. Permanent Signs
   Message - Type H Reflective
   Detour or other temporary signs
   Background - Reflective
   Message - Reflective

Metric equivalent for these signs are:

SIZE	M1-1	SIZE	M1-1A
1			
2	600 mm X 600 mm	2	600 mm X 750 mm
3	900 mm X 900 mm	3	900 mm X 1125 mm
4	900 mm X 900 mm	4	900 mm X 1125 mm
5	900 mm X 900 mm	5	900 mm X 1125 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	M1-1 Area sq. ft.	M1-1A Area sq. ft.	M1-1 Area m2	M1-1A Area m2
1																													
2	24				1/2	12	2 1/2	2		1	5 1/2	15	24	17	7 7/8								30			3.13	3.91	.36	.46
3	36				3/4	18	3 3/4	3		1 1/2	8 1/4	22 1/2	36	25 1/2	11 3/4								45			7.03	8.79	.81	1.05
4	36				3/4	18	3 3/4	3		1 1/2	8 1/4	22 1/2	36	25 1/2	11 3/4								45			7.03	8.79	.81	1.05
5	36				3/4	18	3 3/4	3		1 1/2	8 1/4	22 1/2	36	25 1/2	11 3/4								45			7.03	8.79	.81	1.05

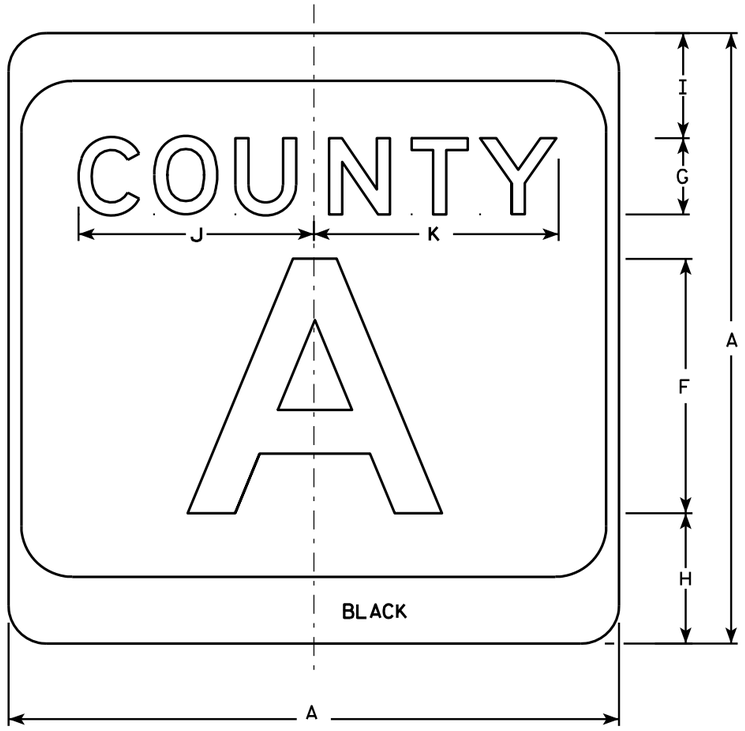
INTERSTATE ROUTE MARKER
M1-1 FOR ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

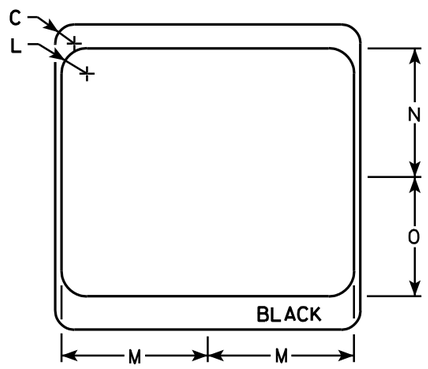
APPROVED Matthew R Rauch
for State Traffic Engineer

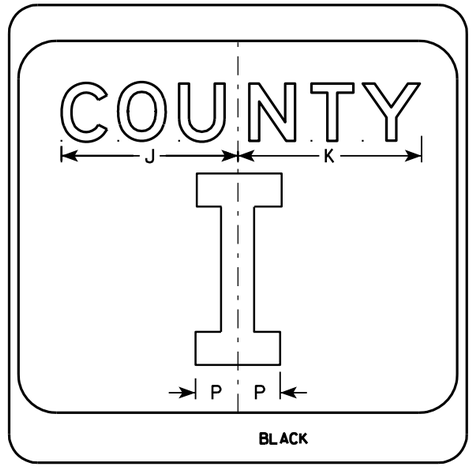
DATE 08/23/05 PLATE NO. M1-1.8

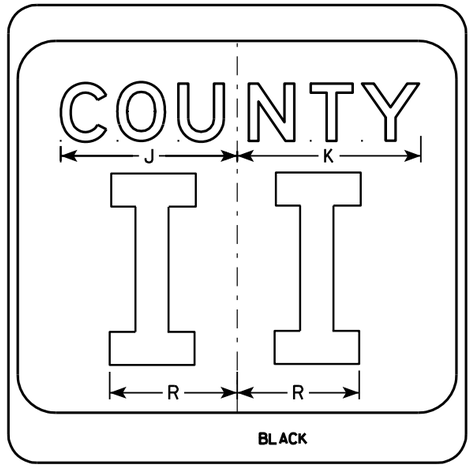
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 523	E



M1-5A







NOTES

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

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

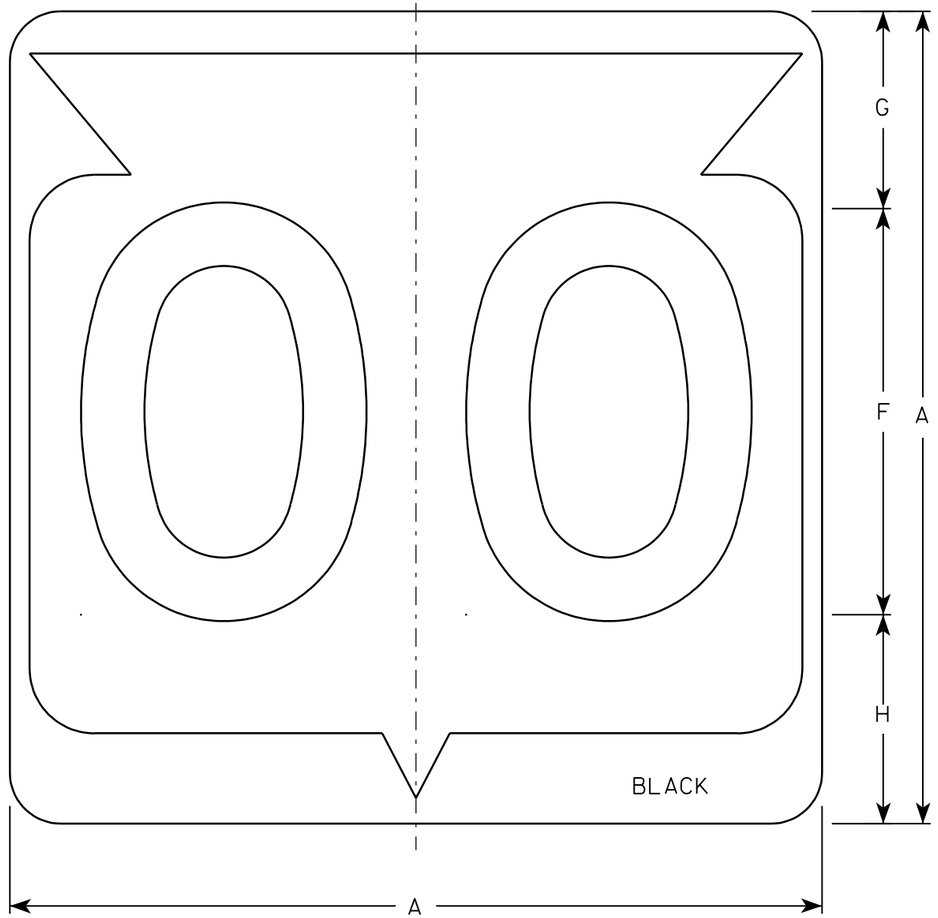
CTH MARKER
M1-5A FOR ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

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

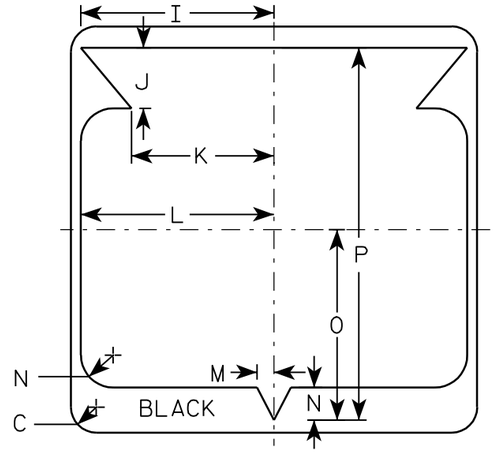
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 524 | E



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

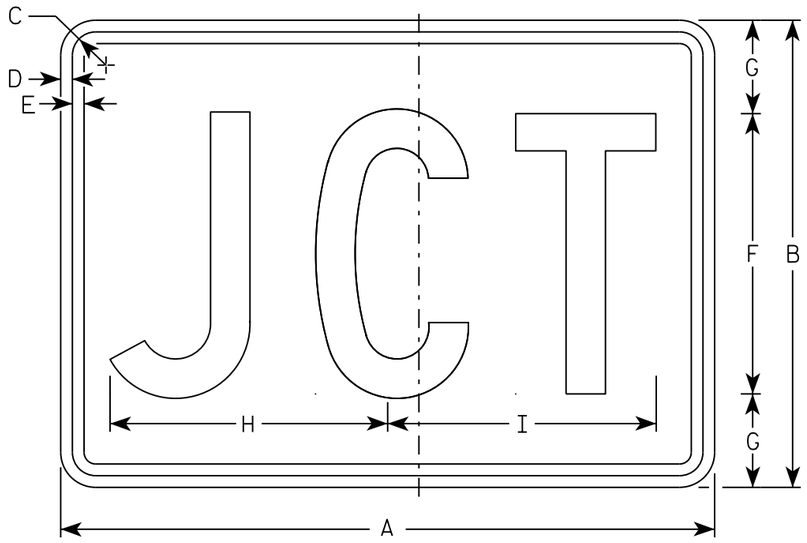
STATE ROUTE MARKER M1-6 FOR ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

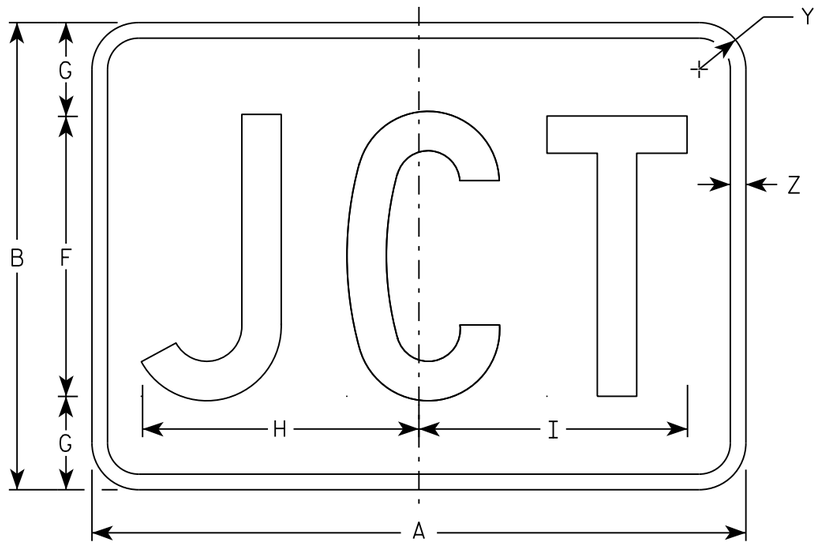
APPROVED Chester J Spang for State Traffic Engineer

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

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 525	E



M2-1
MM2-1
MP2-1



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

NOTES

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

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

STANDARD SIGN
M2-1

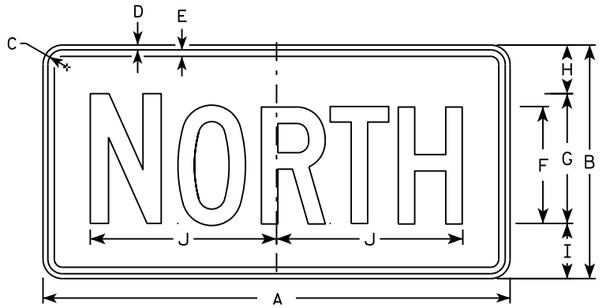
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

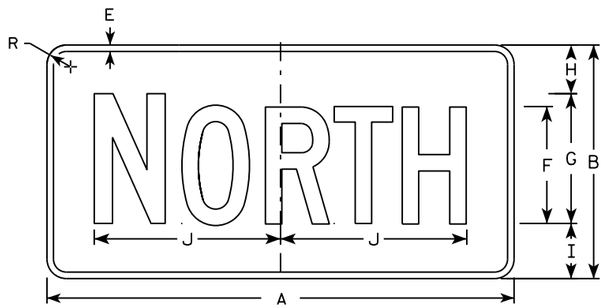
DATE 10/15/15 PLATE 526 12-1.12

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

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



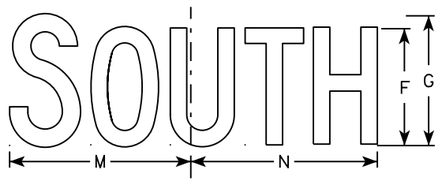
M3-1
MM3-1
MP3-1



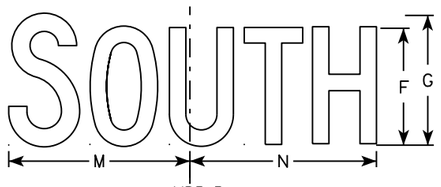
MB3-1
MK3-1
MN3-1

M3-2
MM3-2
MP3-2

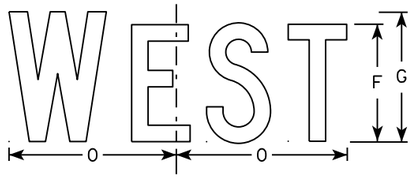
MB3-2
MK3-2
MN3-2



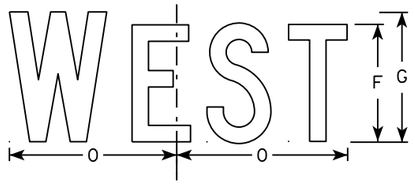
M3-3
MM3-3
MP3-3



MB3-3
MK3-3
MN3-3



M3-4
MM3-4
MP3-4



MB3-4
MK3-4
MN3-4

NOTES

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

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

STANDARD SIGNS
M3-1 thur M3-4
SERIES

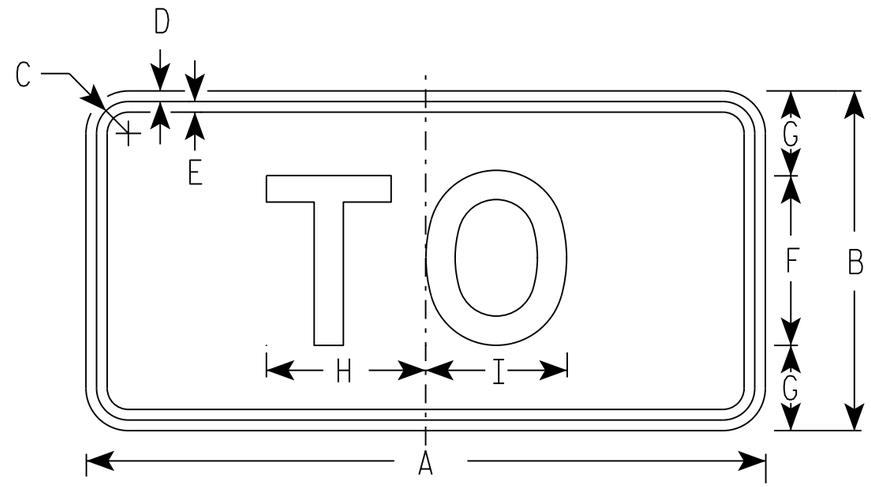
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew P Rauch for State Traffic Engineer

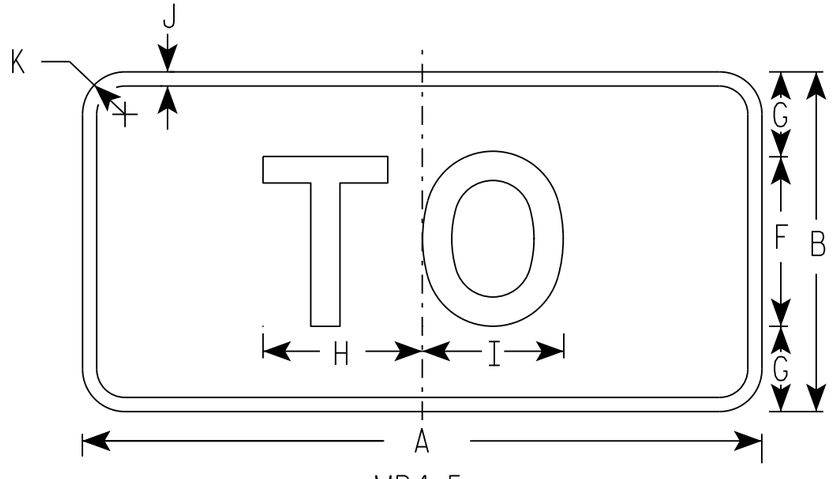
DATE 10/15/15 PLATE NO M3-1.14

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

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



M4-5
MM4-5
MP4-5



MB4-5
MK4-5
MN4-5

NOTES

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

   MB4-5 Background - Blue
   Message - White

   MK4-5 Background - Green
   Message - White

   MM4-5 Background - White
   Message - Green

   MN4-5 Background - Brown
   Message - White

   MP4-5 Background - White
   Message - Blue

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

STANDARD SIGN
M4-5

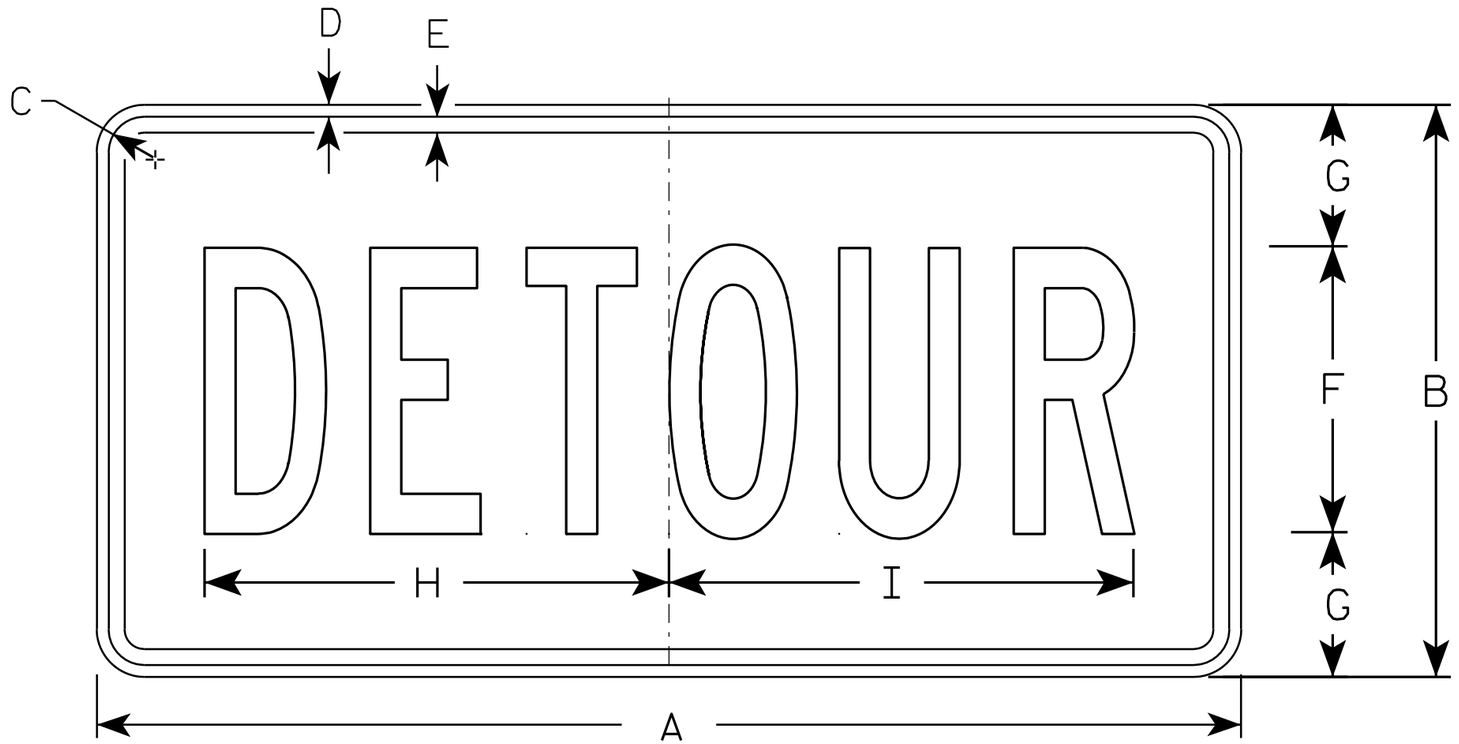
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 10/15/15 PLATE 528 M4-5.8

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

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



M4-8

NOTES

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

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

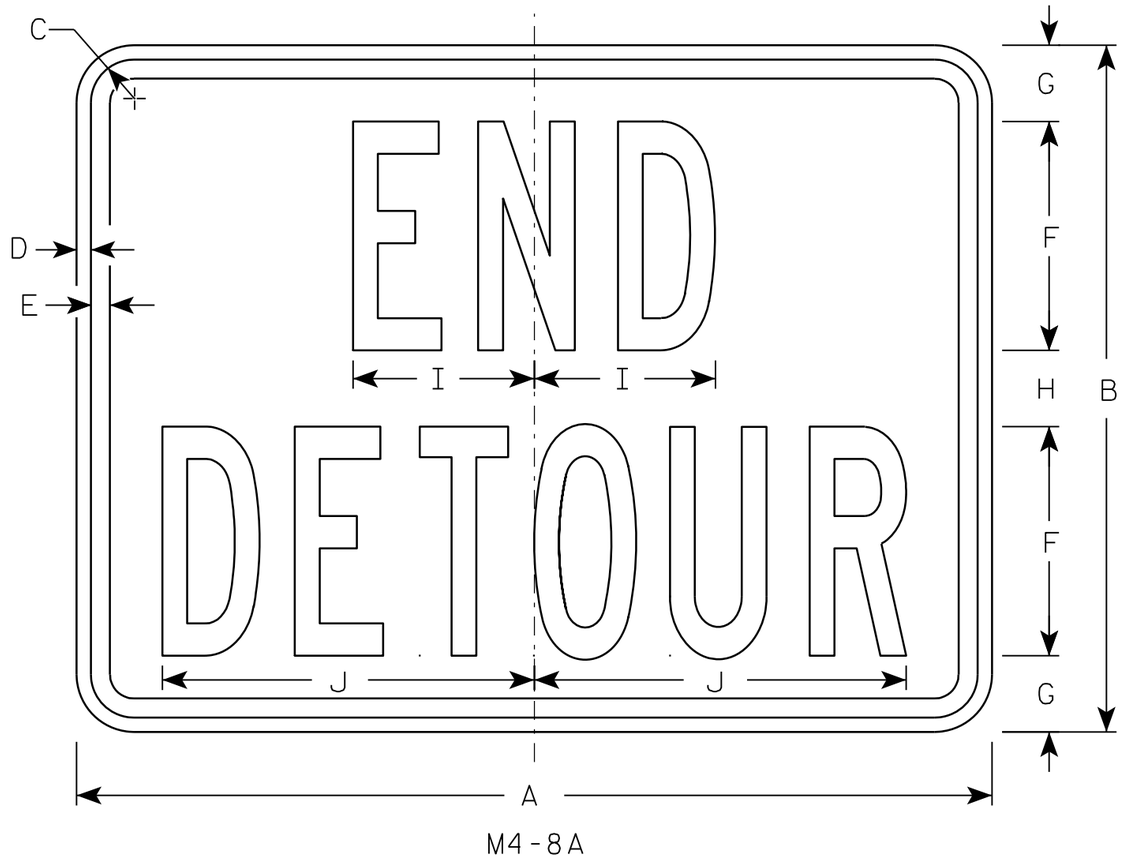
STANDARD SIGN
M4-8

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

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

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 529	E



M4-8A

NOTES

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

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

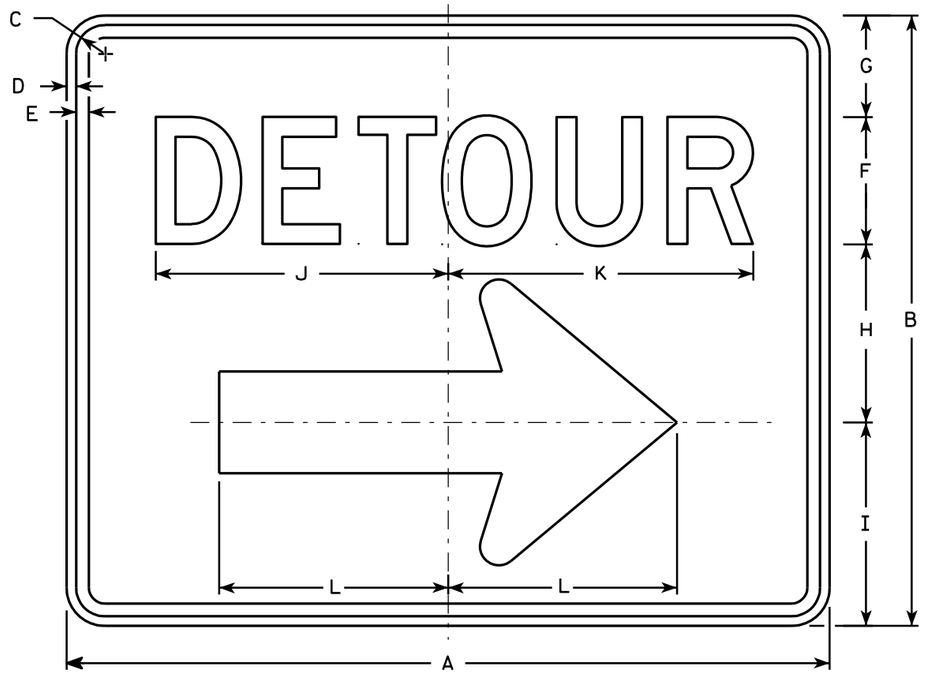
STANDARD SIGN
M4-8A

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

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

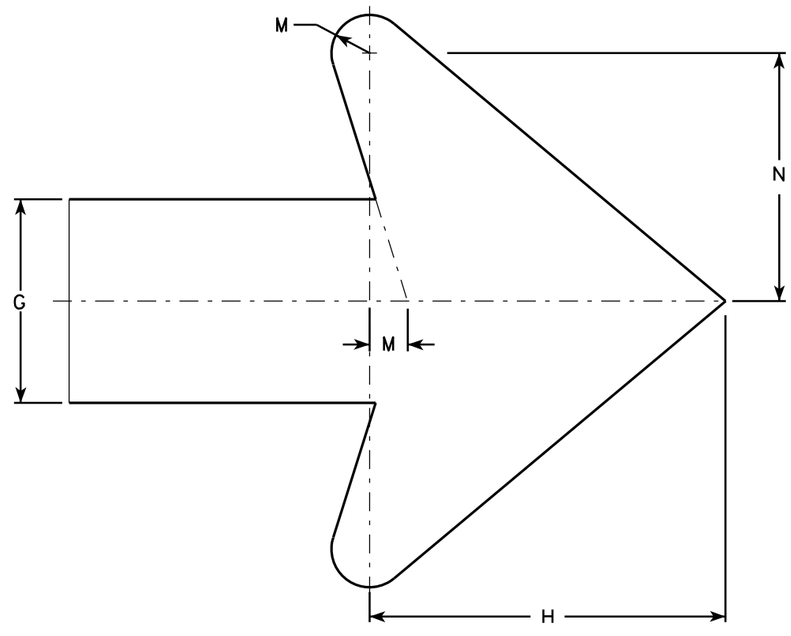
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 530	E



M4-9R

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. M4-9L is the same as M4-9R except the arrow 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																											
2	30	24	1 1/8	3/8	1/2	5	4	7	8	11 1/2	12	9	3/4	4 7/8													5.00
3	30	24	1 1/8	3/8	1/2	5	4	7	8	11 1/2	12	9	3/4	4 7/8													5.00
4	48	36	1 3/8	1/2	5/8	8	6	10 1/2	11 5/8	20 5/8	20 1/2	13 1/4	1 1/8	6 7/8													12.0
5	48	36	1 3/8	1/2	5/8	8	6	10 1/2	11 5/8	20 5/8	20 1/2	13 1/4	1 1/8	6 7/8													12.0

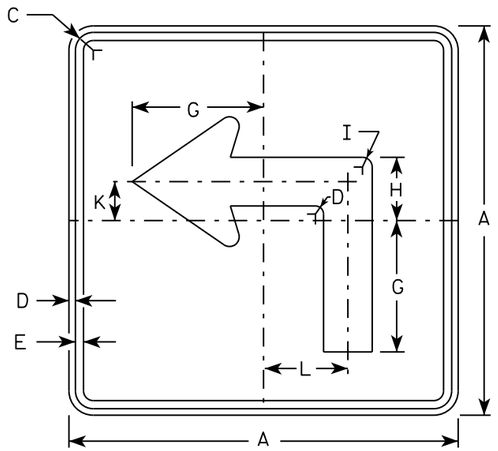
STANDARD SIGN
M4-9 R & L

WISCONSIN DEPT OF TRANSPORTATION

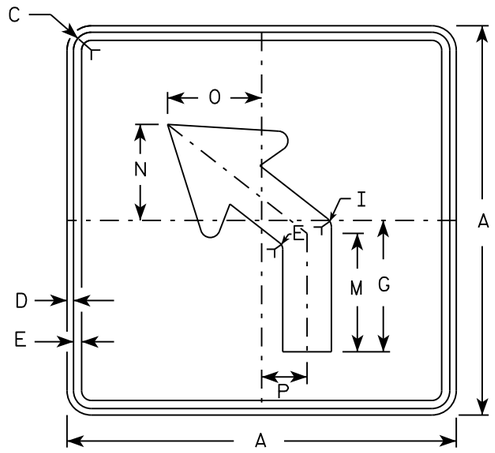
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/9/11 PLATE NO. M4-9R.4

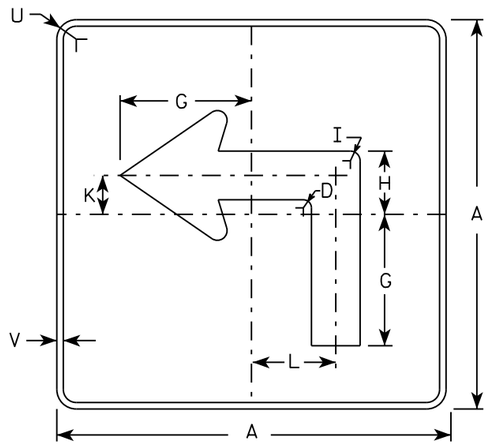
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 531 | E



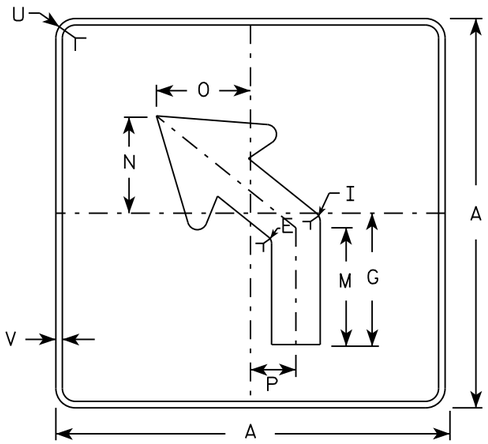
M5-1L
MM5-1L
MO5-1L
MP5-1L



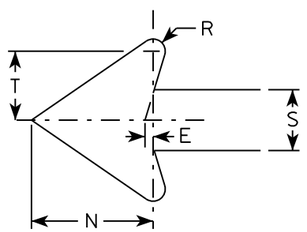
M5-2L
MM5-2L
MO5-2L
MP5-2L



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



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



NOTES

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

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

STANDARD SIGN
M5-1 & M5-2

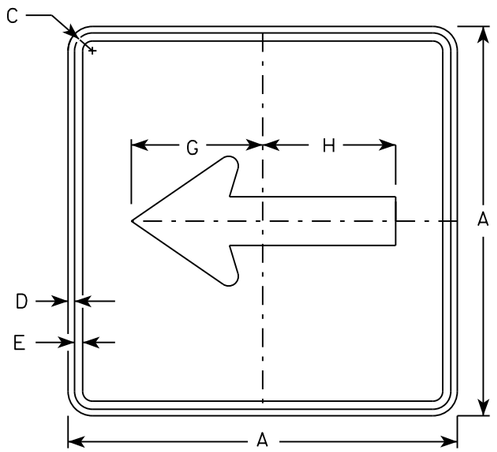
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

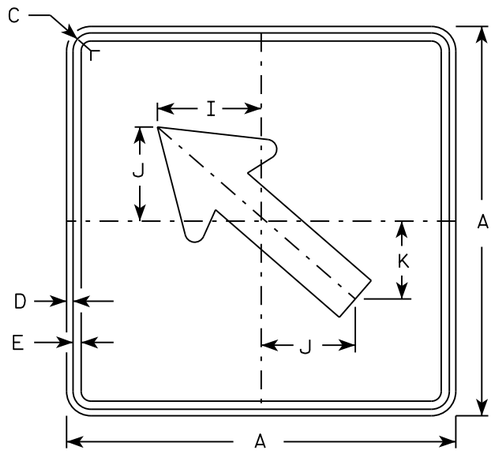
DATE 10/15/15 PLATE NO. M5-1.13

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

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



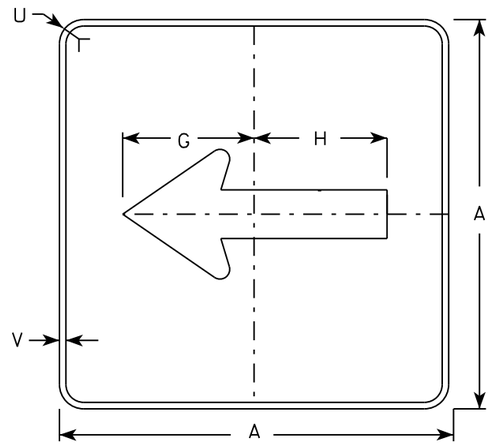
M6-1
MM6-1
MO6-1
MP6-1



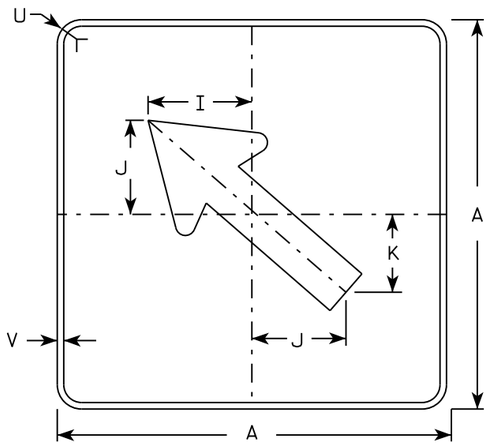
M6-2
MM6-2
MO6-2
MP6-2

NOTES

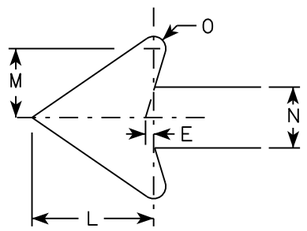
1. Signs are Type II - Type H except as Shown
2. Color:
   Background - See note 4
   Message - See note 4
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. M6-1 and M6-2 Background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



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



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



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

STANDARD SIGN
M6-1 & M6-2
SERIES

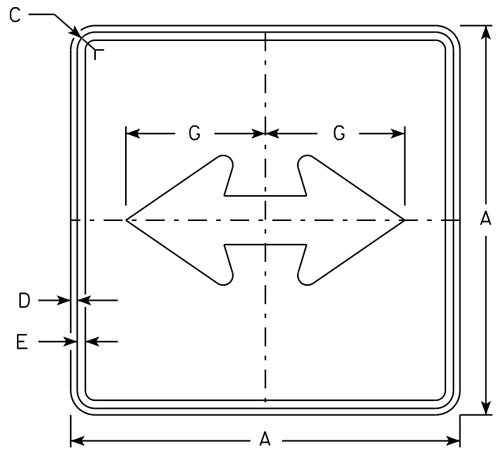
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

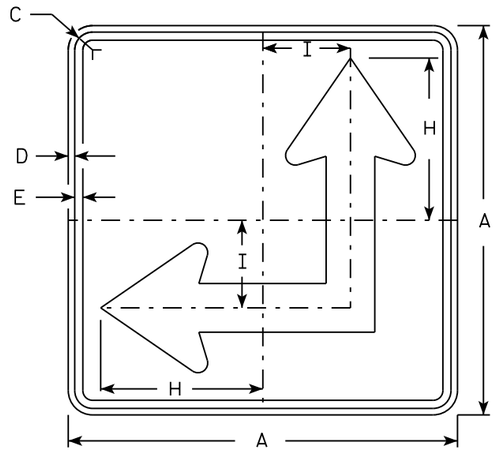
DATE 10/15/15 PLATE 533 M6-1.15

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

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



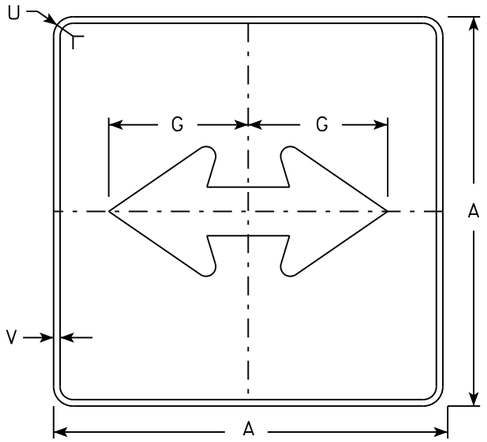
M6-4
MM6-4
MO6-4
MP6-4



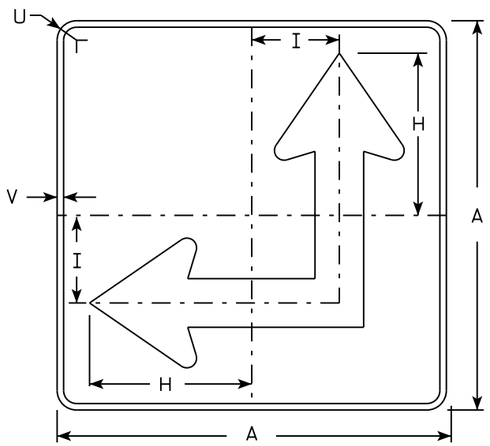
M6-6
MM6-6
MO6-6
MP6-6

NOTES

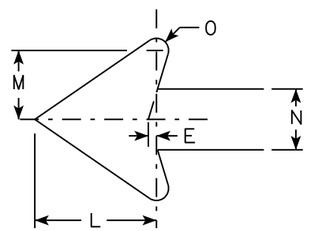
1. Signs are Type II - Type H except as Shown
2. Color:
   Background - See Note 4
   Message - See Note 4
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. M6-4 and M6-6 Background - White
   Message - Black
   MB6-4 and MB6-6 Background - Blue
   Message - White
   MK6-4 and MK6-6 Background - Green
   Message - White
   MM6-4 and MM6-6 Background - White
   Message - Green
   MN6-4 and MN6-6 Background - Brown
   Message - White
   MO6-4 and MO6-6 Background - Orange - Type F Reflective
   Message - Black
   MP6-4 and MP6-6 Background - White
   Message - Blue
   MR6-4 and MR6-6 Background - Brown
   Message - Yellow
5. M6-6R same as M6-6L except arrow points ahead and right.



MB6-4
MK6-4
MN6-4
MR6-4



MB6-6
MK6-6
MN6-6
MR6-6



SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	21		1 1/8	3/8	3/8		7 1/2	8 3/4	4 1/4			5 1/4	3	2 5/8	1/2						1 1/2	1/2					3.06
3	30		1 3/8	1/2	5/8		10 3/4	12 1/2	6 3/4			7 1/2	4 1/4	3 3/4	3/4						1 7/8	1/2					6.25
4	30		1 3/8	1/2	5/8		10 3/4	12 1/2	6 3/4			7 1/2	4 1/4	3 3/4	3/4						1 7/8	1/2					6.25
5	30		1 3/8	1/2	5/8		10 3/4	12 1/2	6 3/4			7 1/2	4 1/4	3 3/4	3/4						1 7/8	1/2					6.25

STANDARD SIGN
M6-4 & M6-6
SERIES

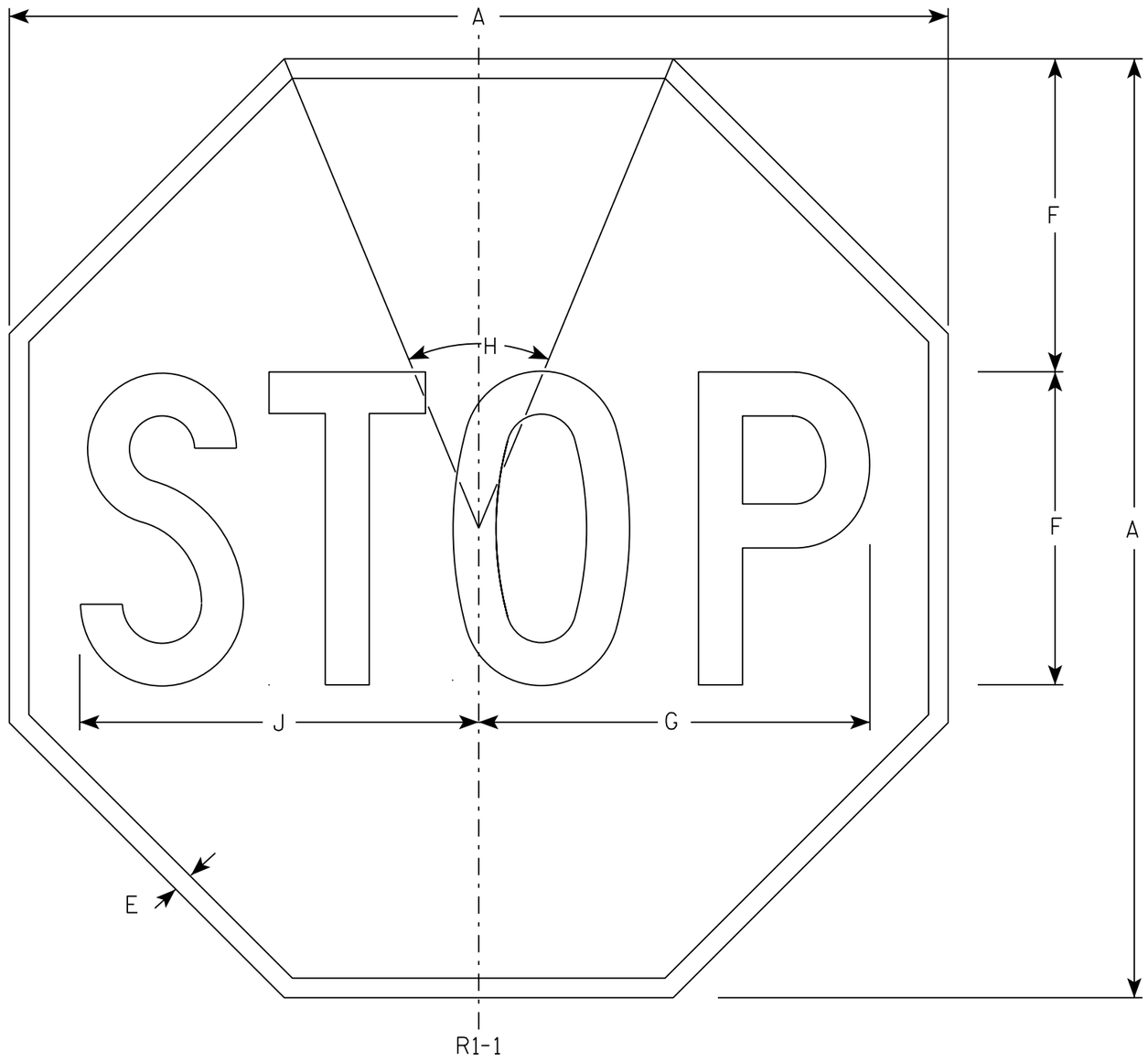
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 10/15/15 PLATE 534 M6-4.10

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

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\M64.DGN PLOT DATE : 01-DEC-2015 17:58 PLOT BY : $$ platuser $$ PLOT NAME : PLOT SCALE : 11.675051:1.000000



NOTES

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

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

STANDARD SIGN

R1-1

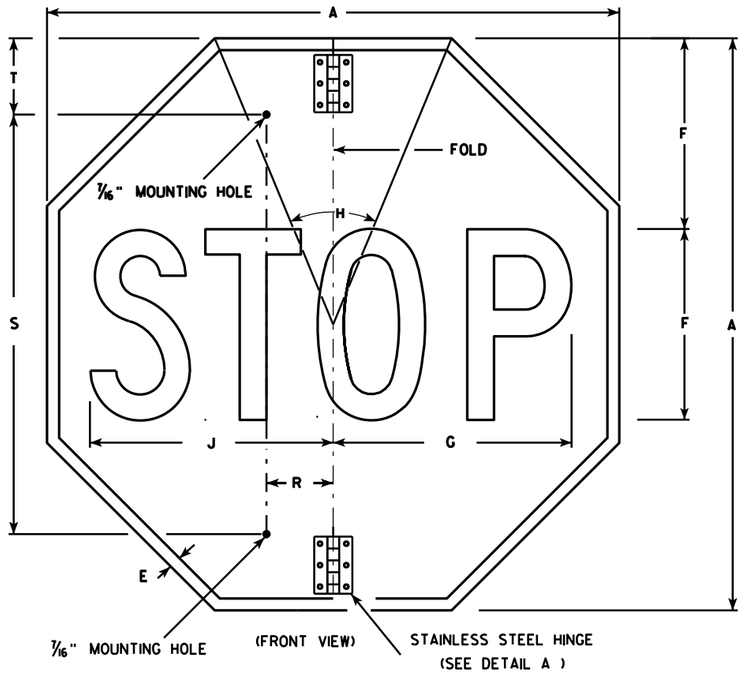
WISCONSIN DEPT OF TRANSPORTATION

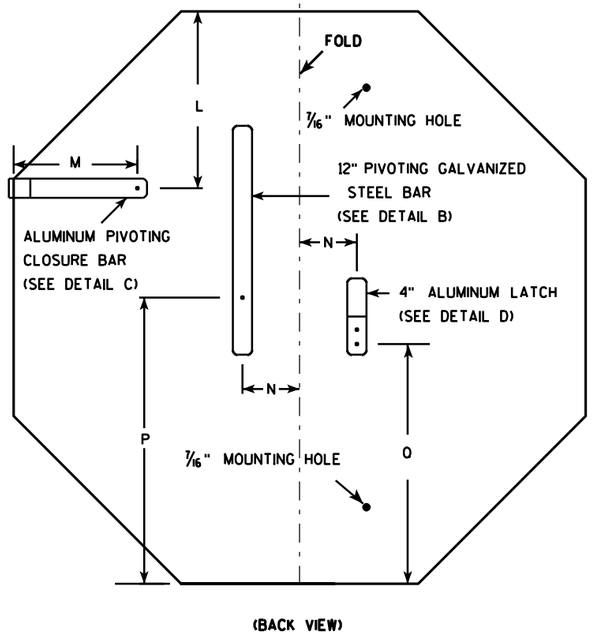
APPROVED Matthew R Rauch

for State Traffic Engineer

DATE 11/12/15 PLATE NO. R1-1.13

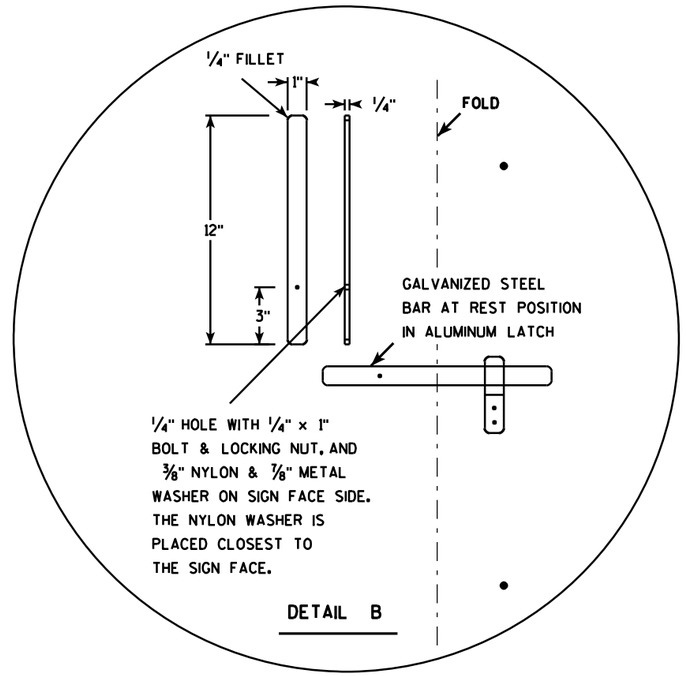
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 535	E



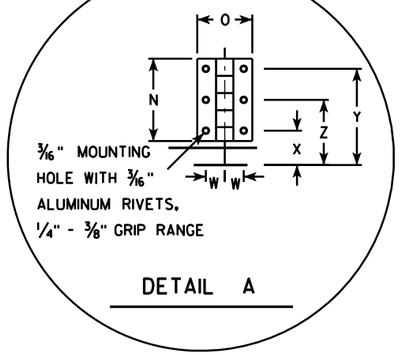


NOTES

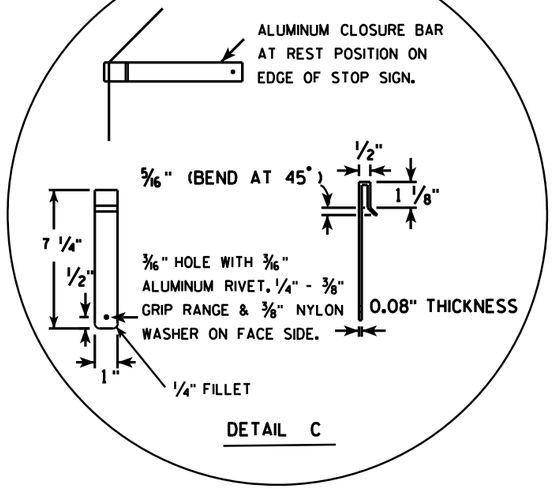
1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Red
   Message - White
3. Message Series - C
4. All hardware used on the folding STOP sign installation shall conform to 637.2.4 of the WIS DOT Standard Specification.



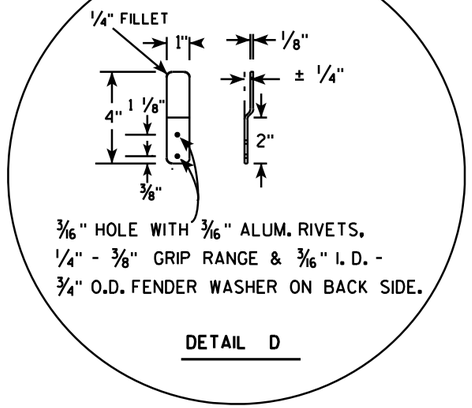
DETAIL B



DETAIL A



DETAIL C



DETAIL D

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				5/8	10	12 1/2	45		12 3/4		9 1/4	6 1/2	3	2	15	12 3/8	2 1/2	22	5			11/16	1 1/4	3 1/2	2 3/8	5.18
2M	36				3/4	12	15	45		15 3/8		11	6 1/2	3	2	18	15 3/8	2 1/2	26	5			11/16	1 1/4	3 1/2	2 3/8	7.46
3	36				3/4	12	15	45		15 3/8		11	6 1/2	3	2	18	15 3/8	2 1/2	26	5			11/16	1 1/4	3 1/2	2 3/8	7.46
4																											
5																											

STANDARD SIGN
R1-1F

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/03/10 PLATE NO. R1-1F.3

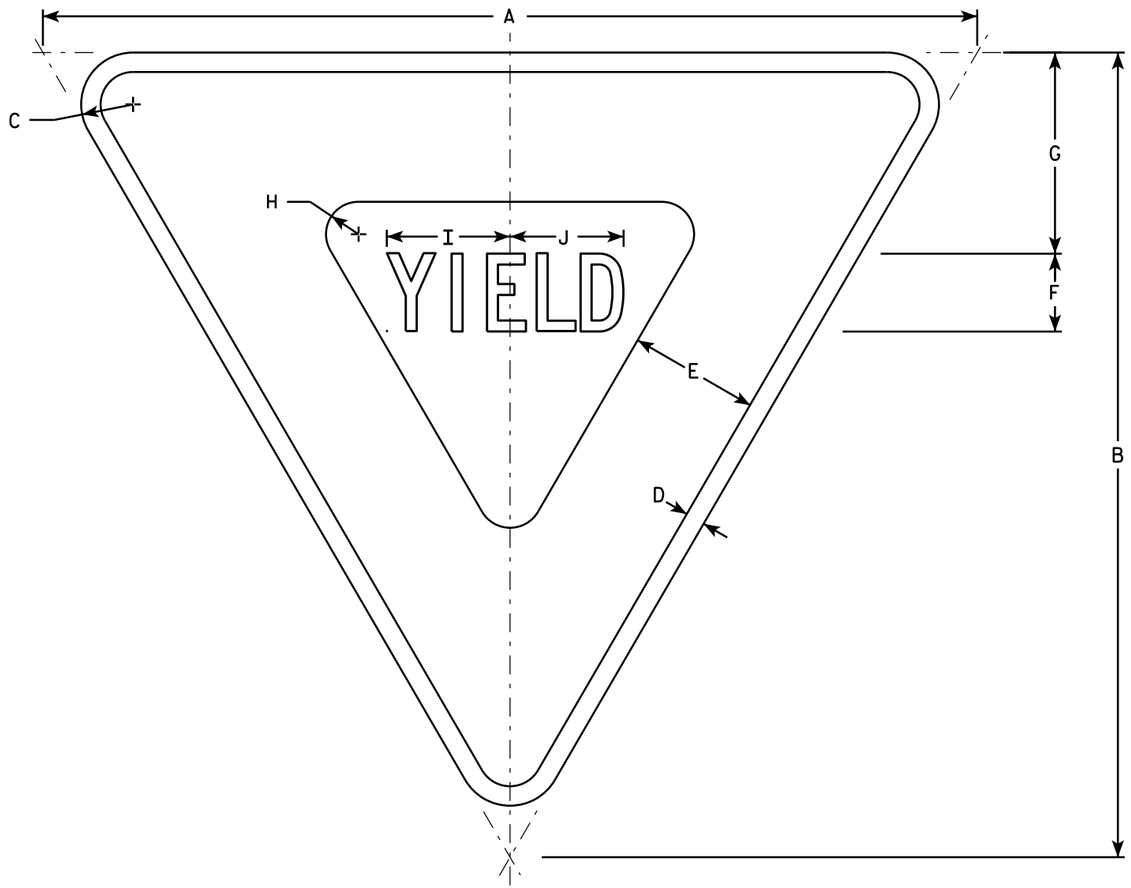
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 536 | E

FILE NAME : C:\Users\PROJECTS\tr_stdplate\R11F.DGN PLOT DATE : 02-DEC-2010 15:26 PLOT BY : dotsja PLOT NAME : PLOT SCALE : 7.945391:1.000000

WISDOT/CADDS SHEET 42

7

7



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

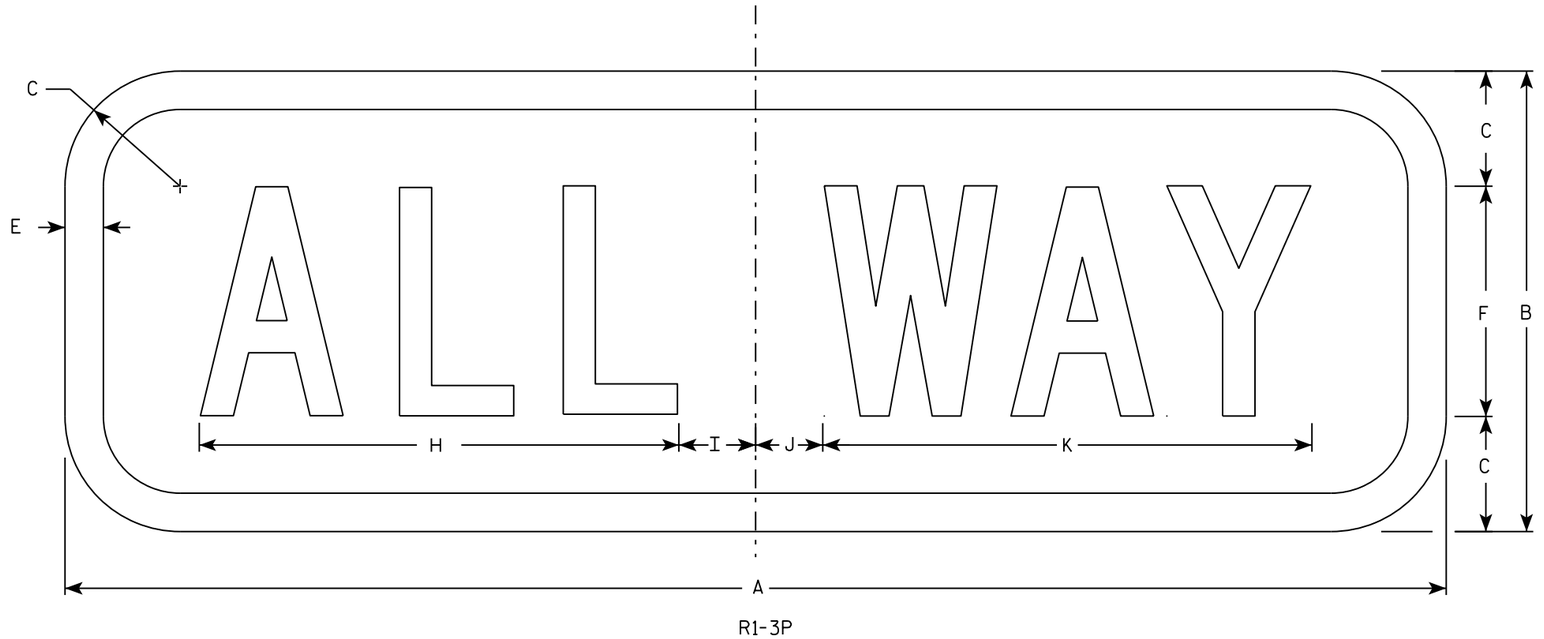
WISCONSIN DEPT OF TRANSPORTATION

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



R1-3P

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - Red
   Message - White
3. Message Series - C
4. For 30"x30" R1-1 use 18"x6" R1-3P sign
   For 36"x36" R1-1 use 24"x9" R1-3P sign
   For 48"x48" R1-1 use 30"x12" R1-3P sign

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	18	6	1 1/2		1/2	3		6 1/4	1 1/4	7/8	6 3/8																0.75
2S	18	6	1 1/2		1/2	3		6 1/4	1 1/4	7/8	6 3/8																1.5
2M	24	9	1 1/2		1/2	5		9 1/4	1 1/4	3/4	9 3/4																1.5
3	24	9	1 1/2		1/2	5		9 1/4	1 1/4	3/4	9 3/4																1.5
4	30	12	2 1/4		5/8	6		11	2 1/4	1 1/2	11 3/4																2.5
5	30	12	2 1/4		5/8	6		11	2 1/4	1 1/2	11 3/4																2.5

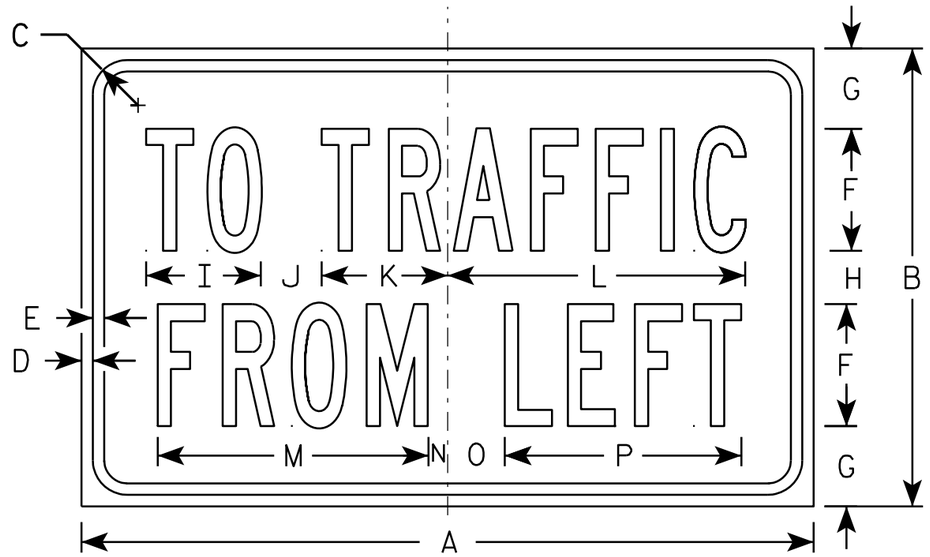
STANDARD SIGN
R1-3P

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/29/16 PLATE NO. R1-3P.3

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 538	E



R1-54

NOTES

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

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24	15	1 1/8	3/8	3/8	4	2 5/8	1 3/4	3 3/4	2	4 1/8	9 3/4	8 7/8	5/8	1 7/8	7 3/4											2.5
2M	24	15	1 1/8	3/8	3/8	4	2 5/8	1 3/4	3 3/4	2	4 1/8	9 3/4	8 7/8	5/8	1 7/8	7 3/4											2.5
3																											
4																											
5																											

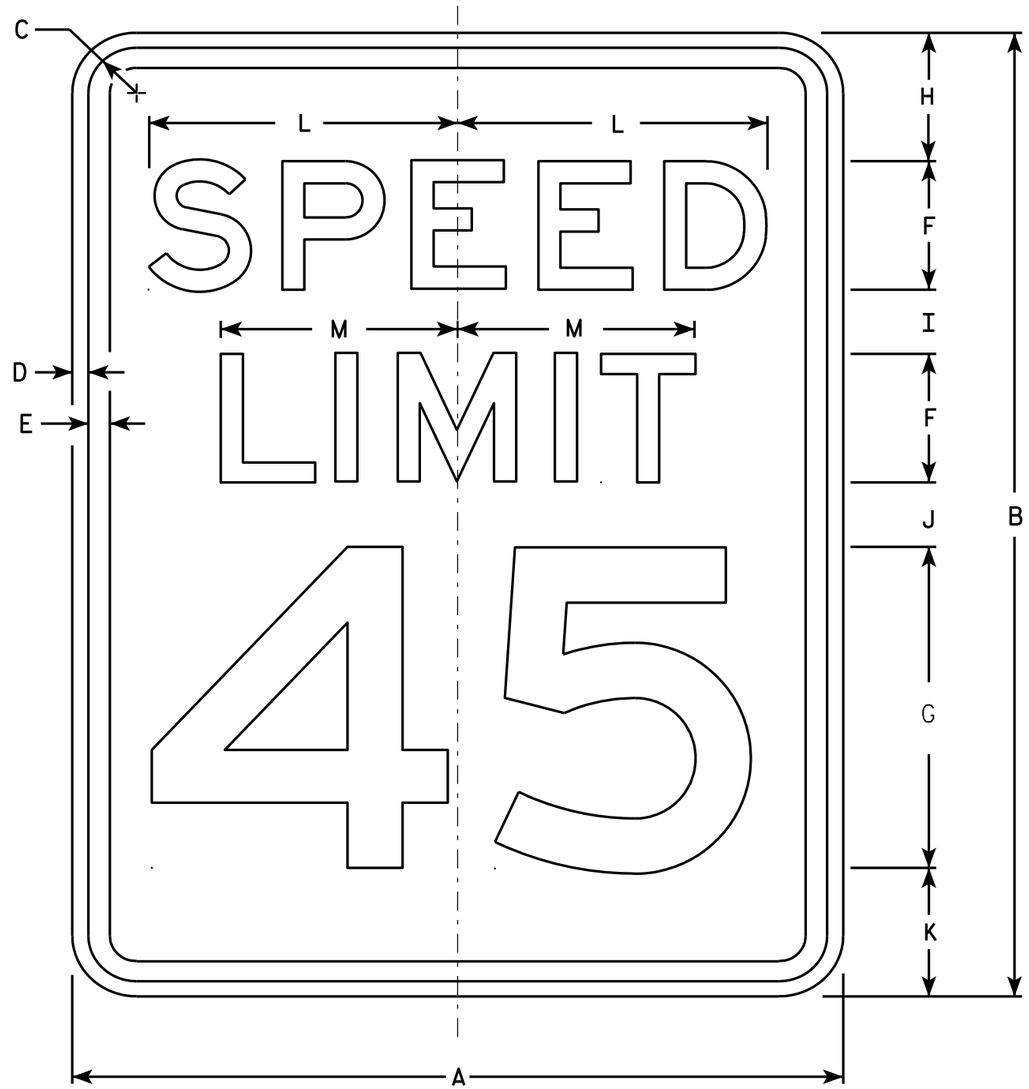
STANDARD SIGN
R1-54

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/03/10 PLATE NO. R1-54.2

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 539	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

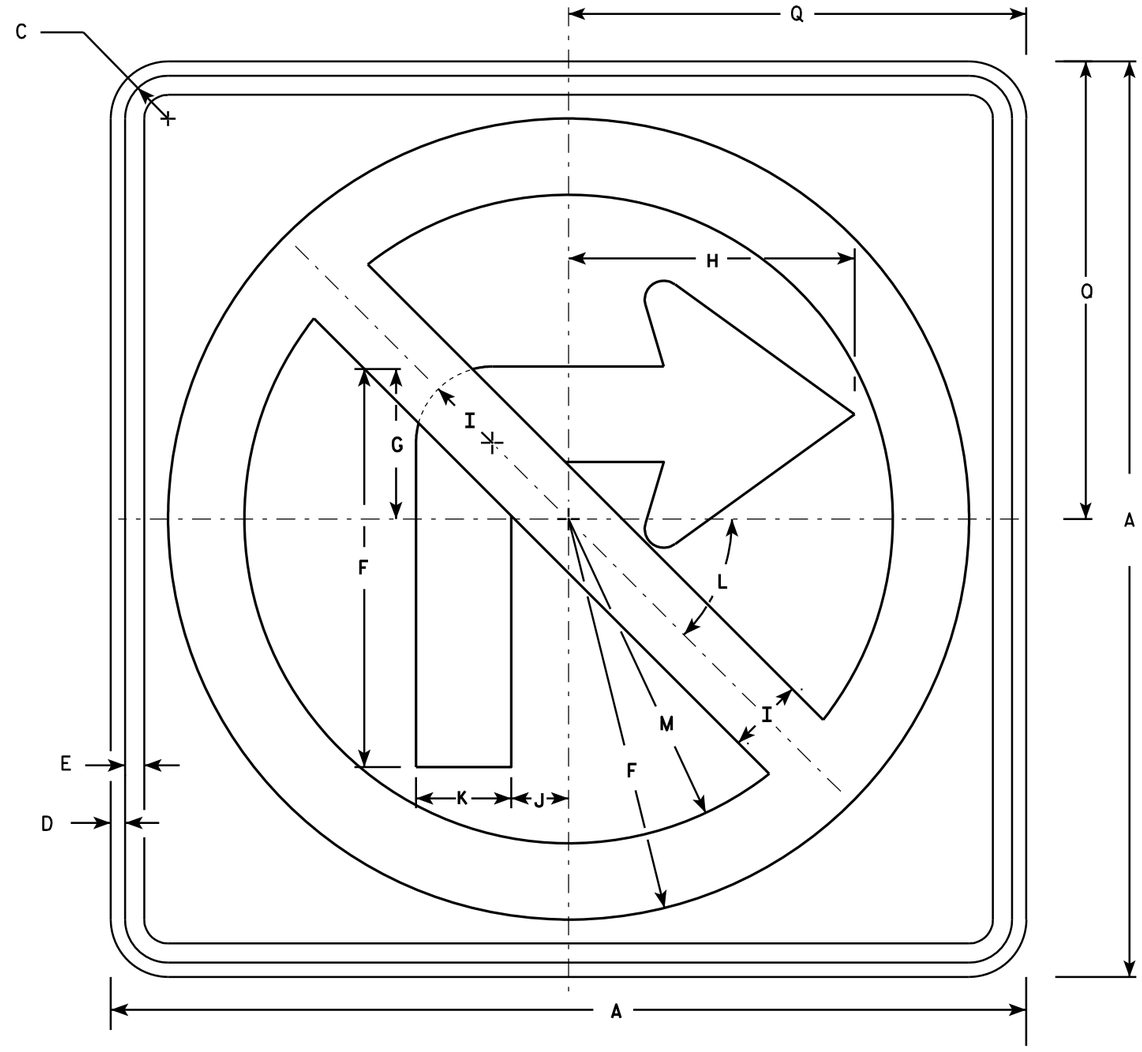
STANDARD SIGN
R2-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

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

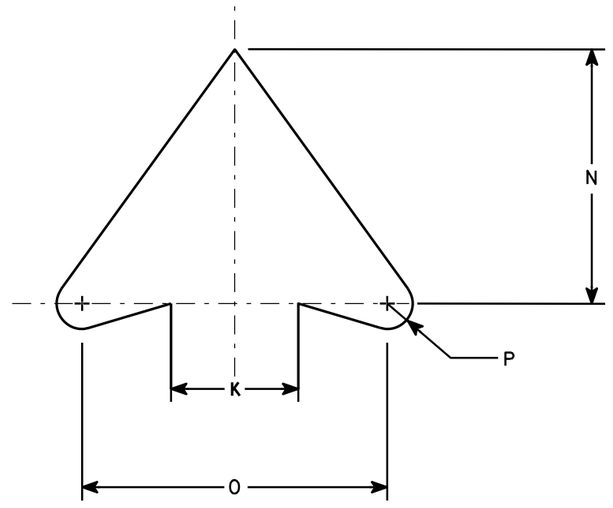
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 540 | E



R3-1

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 - 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	12										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	12										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	18										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	18										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	18										9.0
5	48		2 1/4	3/4	1	21	8	15	4	3	5	45°	17	10	12	1	24										16.0

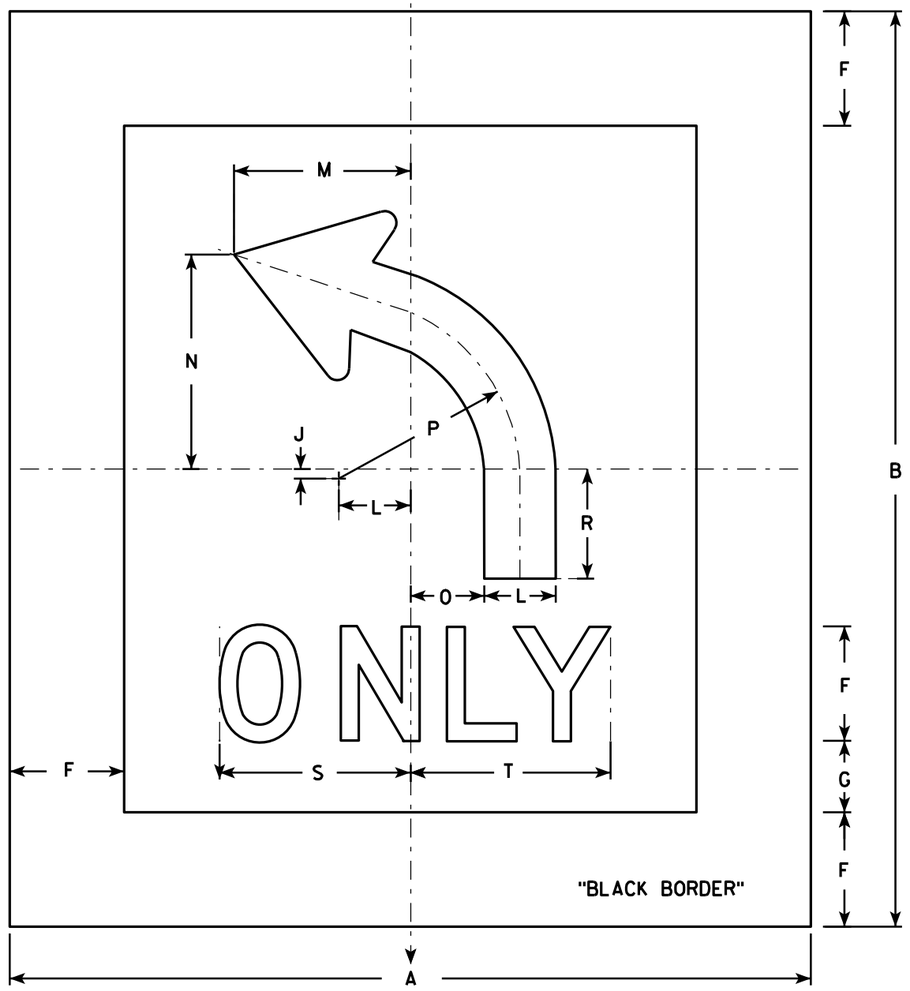
STANDARD SIGN
R3-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/08/10 PLATE NO. R3-1.5

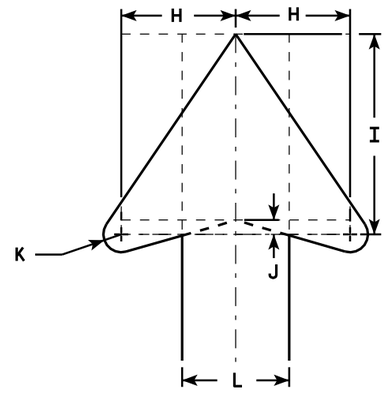
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 541 | E



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																											

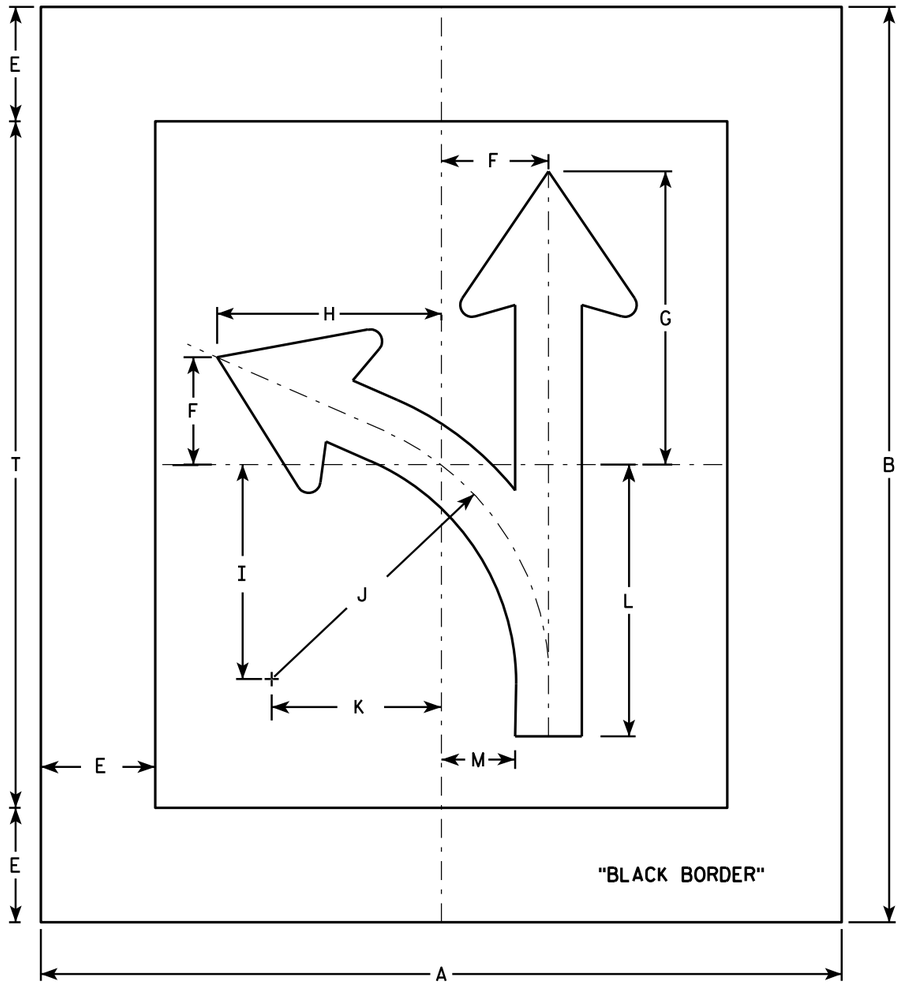
STANDARD SIGN
R3-5

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/24/11 PLATE NO. R3-5.6

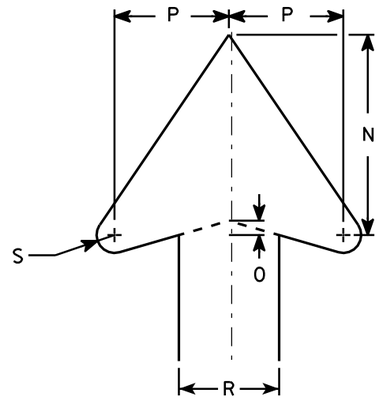
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 542 | E



R3-6L

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. R3-6R is the same as R3-6L except curved portion of arrow points right.
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	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							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							14.0
3																											
4																											
5																											

STANDARD SIGN
R3-6

WISCONSIN DEPT OF TRANSPORTATION

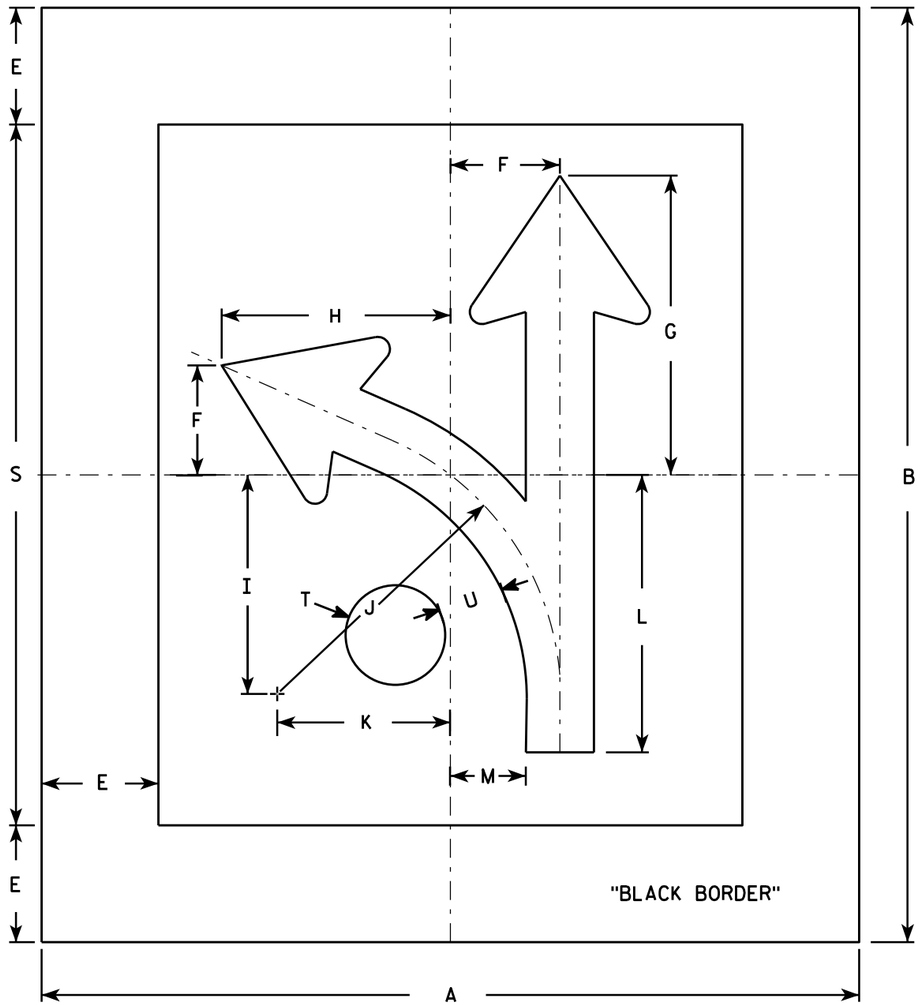
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/17/2011 PLATE NO. R3-6.5

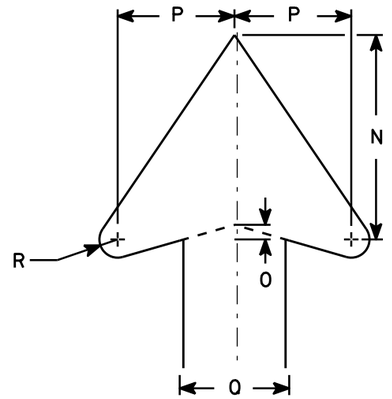
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 543 | E

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. When base material is metal, the corners shall be rounded.
4. The 6" border is non-reflective black.



R3-6X



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
R3-6X

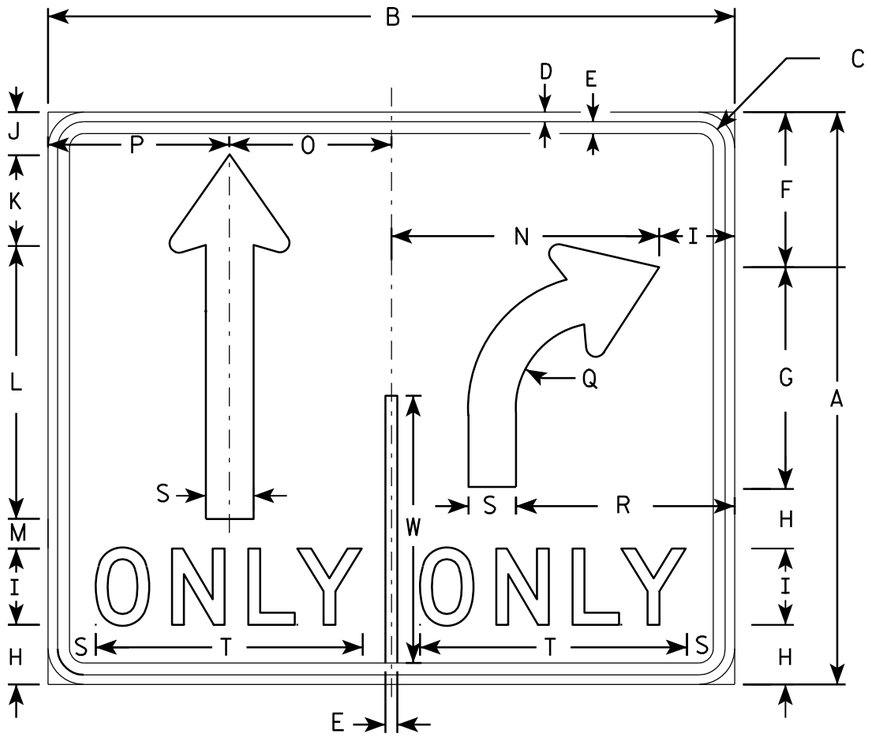
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

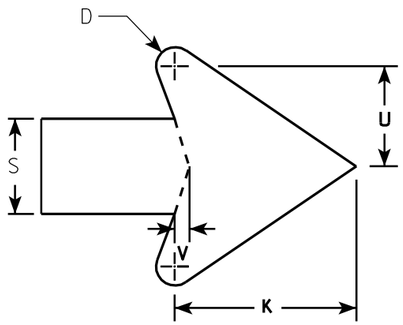
DATE 2/05/15 PLATE R3-6X.3

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\R36X.DGN PLOT DATE : 05-FEB-2015 14:49 PLOT BY : mscsja PLOT NAME : PLOT SCALE : 7.783368:1.000000
WISDOT/CADDS SHEET 42



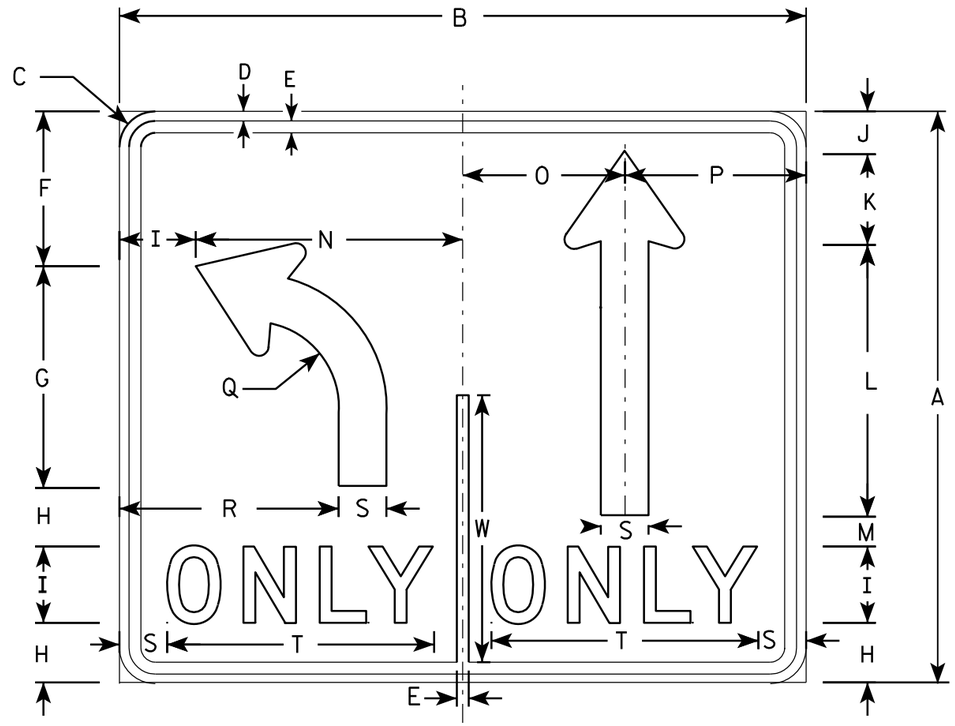
R3-8D



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	Q	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

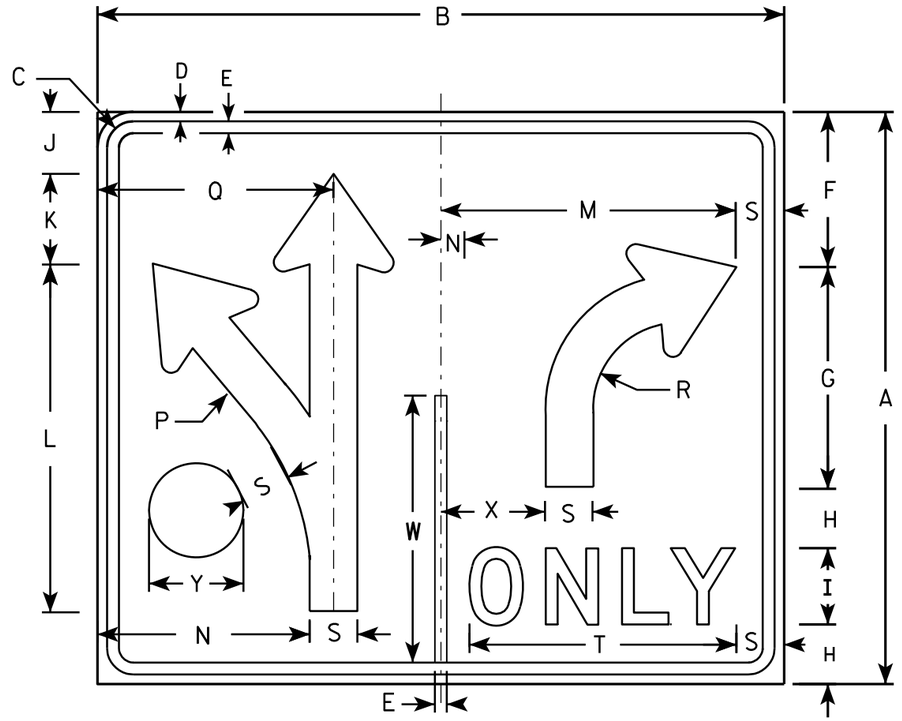
STANDARD SIGN
R3-8D & R3-8E

WISCONSIN DEPT OF TRANSPORTATION

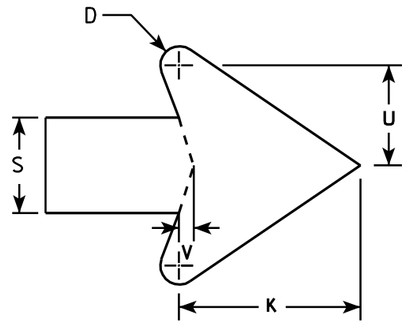
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/18/2011 PLATE NO. R3-8D.2

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 545	E



R3-8DD



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.
5. R3-8B & R3-8C is the same but reversed.

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	36	1 3/8	1/2	5/8	8 1/8	11 5/8	3 1/8	4	3 1/4	4 3/4	18 1/4	15 1/2	1 1/4		13 1/4	12 3/8	4 1/2	2 1/2	14	2 5/8	3/8	14	5 1/4	4 1/4		7.5
2M	30	36	1 3/8	1/2	5/8	8 1/8	11 5/8	3 1/8	4	3 1/4	4 3/4	18 1/4	15 1/2	1 1/4		13 1/4	12 3/8	4 1/2	2 1/2	14	2 5/8	3/8	14	5 1/4	4 1/4		7.5
3																											

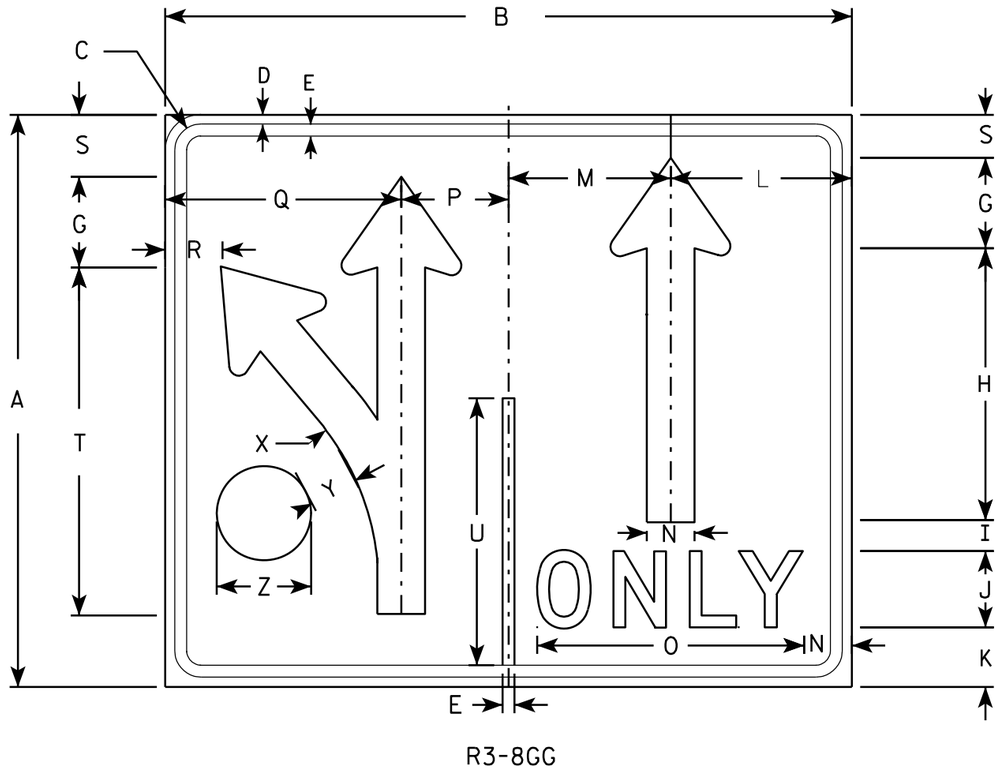
STANDARD SIGN
R3-8DD

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/18/2011 PLATE NO. R3-8DD.2

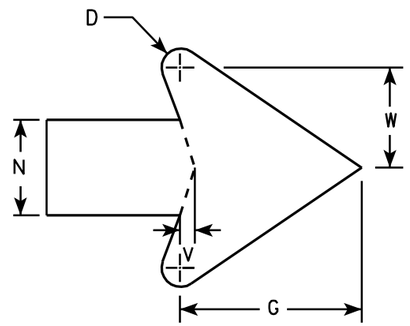
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 546 | E



R3-8GG

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 - 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.



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	36	1 3/8	1/2	5/8	2 1/4	4 3/4	14 1/4	1 5/8	4	3 1/8	9 1/2	8 1/2	2 1/2	14	5 5/8	12 3/8	3	3 1/4	18 1/4	14	3/8	2 5/8	13 1/4	2 1/2	5	7.5
2M	30	36	1 3/8	1/2	5/8	2 1/4	4 3/4	14 1/4	1 5/8	4	3 1/8	9 1/2	8 1/2	2 1/2	14	5 5/8	12 3/8	3	3 1/4	18 1/4	14	3/8	2 5/8	13 1/4	2 1/2	5	7.5
3																											
4																											
5																											

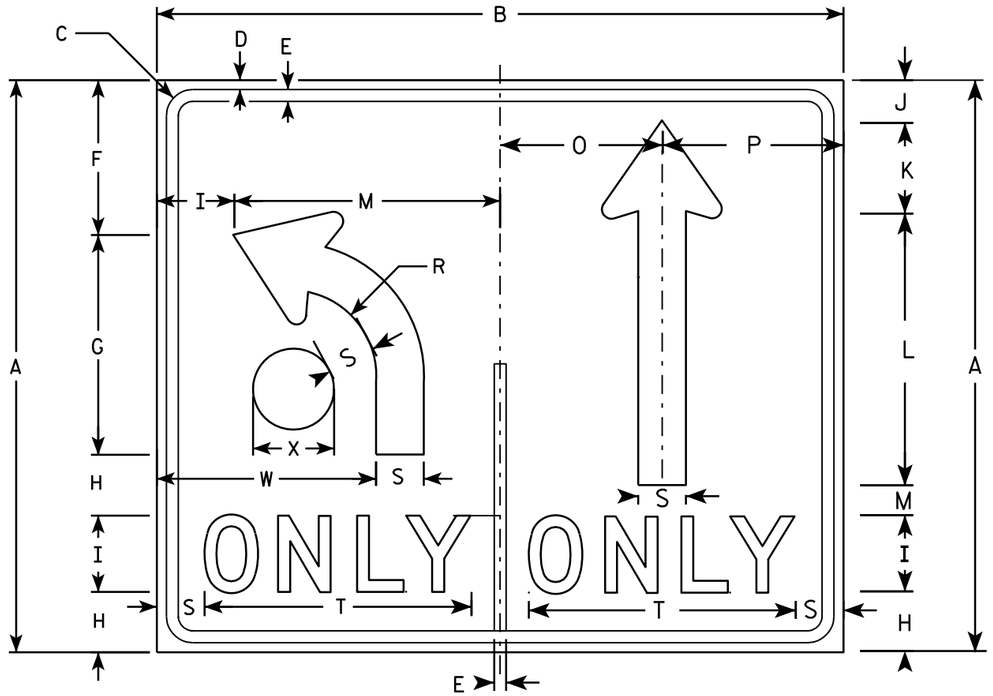
STANDARD SIGN
R3-8GG

WISCONSIN DEPT OF TRANSPORTATION

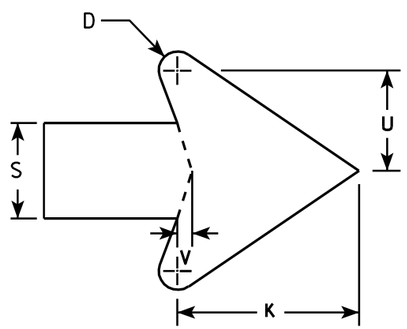
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/18/2011 PLATE NO R3-8GG.2

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 547	E



R3-8JJ



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.

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	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	2 1/2	14	2 5/8	3/8	11 1/2	4 1/4			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	2 1/2	14	2 5/8	3/8	11 1/2	4 1/4			7.5
3																											
4																											
5																											

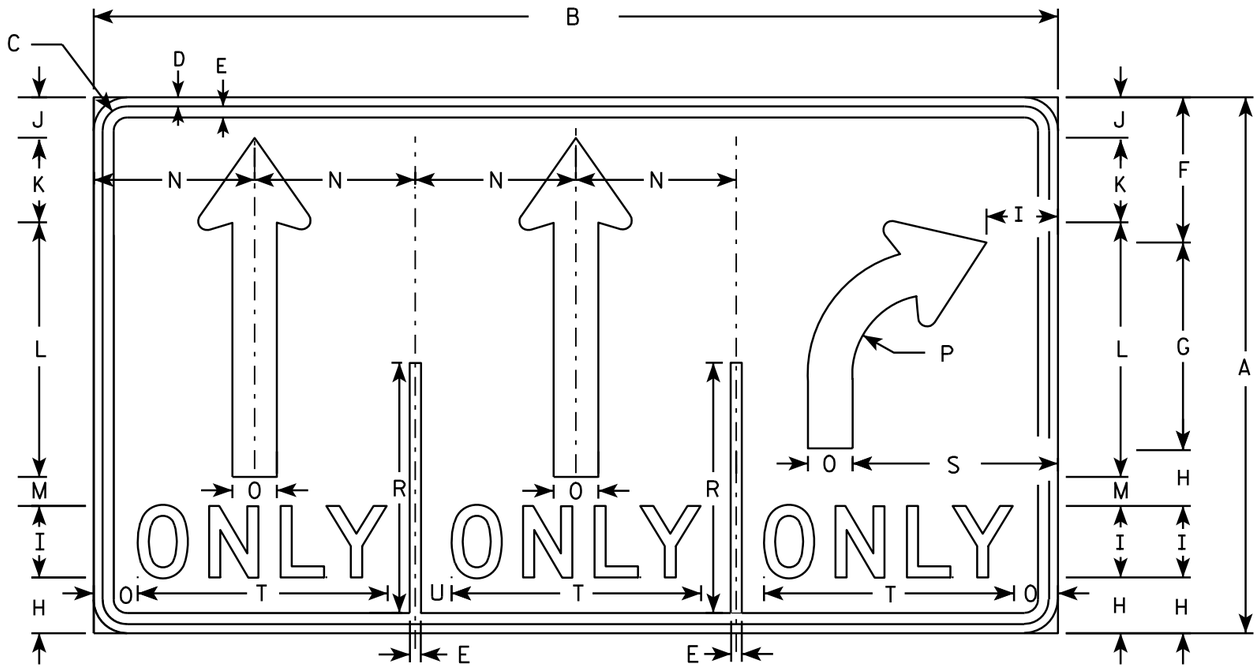
STANDARD SIGN
R3-8JJ

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/21/2011 PLATE NO. R3-8JJ.2

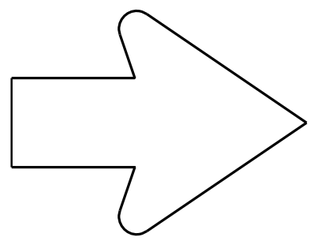
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 548	E



R3-8X

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.



SEE R3-8 FOR 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	30	54	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	9	2 1/2	4 1/2		14	11 1/2	14	2						11.25
2M	30	54	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	9	2 1/2	4 1/2		14	11 1/2	14	2						11.25
3																											
4	48	84	2 1/4	3/4	1	13	18 1/2	5 1/4	6	3 3/4	7 5/8	23	2 3/8	14	3 3/4	7 1/4		22 3/8	17 1/4	20 1/2	3 1/4						28.0
5	48	84	2 1/4	3/4	1	13	18 1/2	5 1/4	6	3 3/4	7 5/8	23	2 3/8	14	3 3/4	7 1/4		22 3/8	17 1/4	20 1/2	3 1/4						28.0

STANDARD SIGN
R3-8X

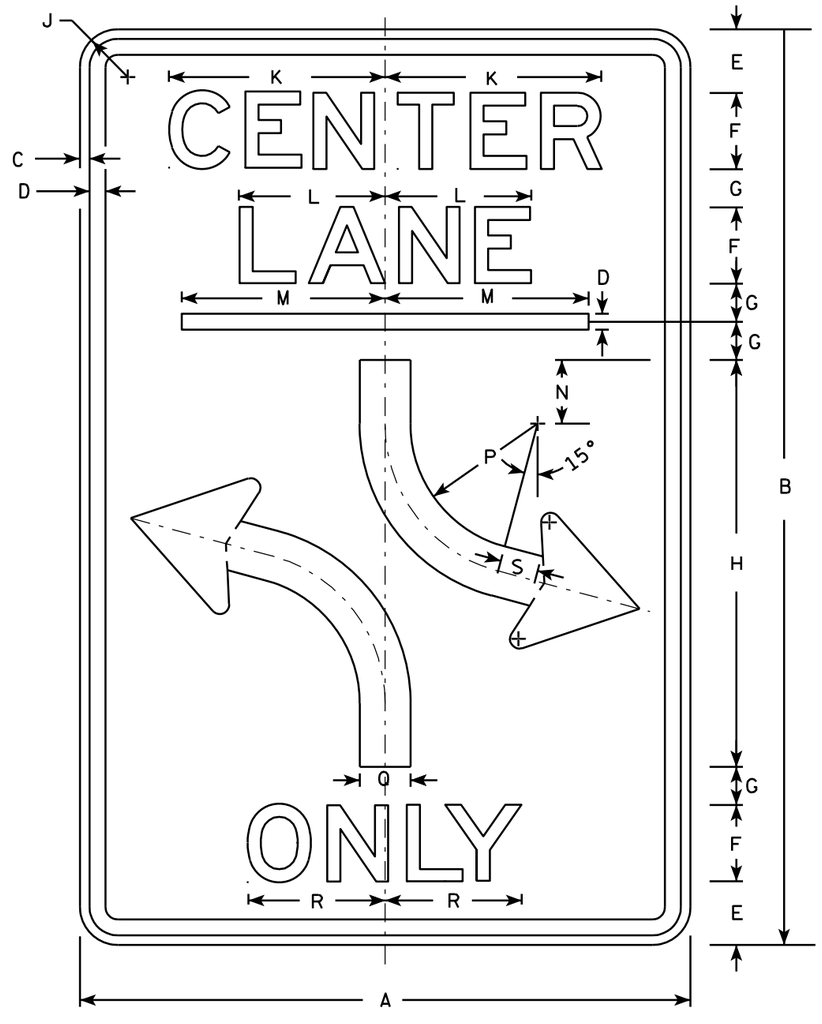
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 03/25/13 PLATE NO. R3-8X.3

PROJECT NO:

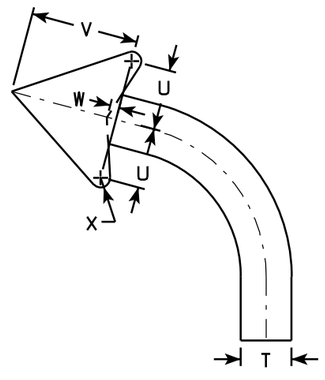
SHEET NO: 549 E



R3-9B

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	3/8	1/2	2 1/2	3	1 1/2	16		1 1/2	8 1/2	5 3/4	8	2 1/2		6	2	5 1/8	1 1/2		2 3/8	4 3/8	3/8				6.0
2M	24	36	3/8	1/2	2 1/2	3	1 1/2	16		1 1/2	8 1/2	5 3/4	8	2 1/2		6	2	5 1/8	1 1/2		2 3/8	4 3/8	3/8				6.0
3	36	48	5/8	7/8	3 1/2	5	1 1/2	20		2 1/4	14 1/8	9 1/2	12	3		4	3	9 7/8	2		3 1/2	6 1/8	1/2				12.0
4																											
5																											

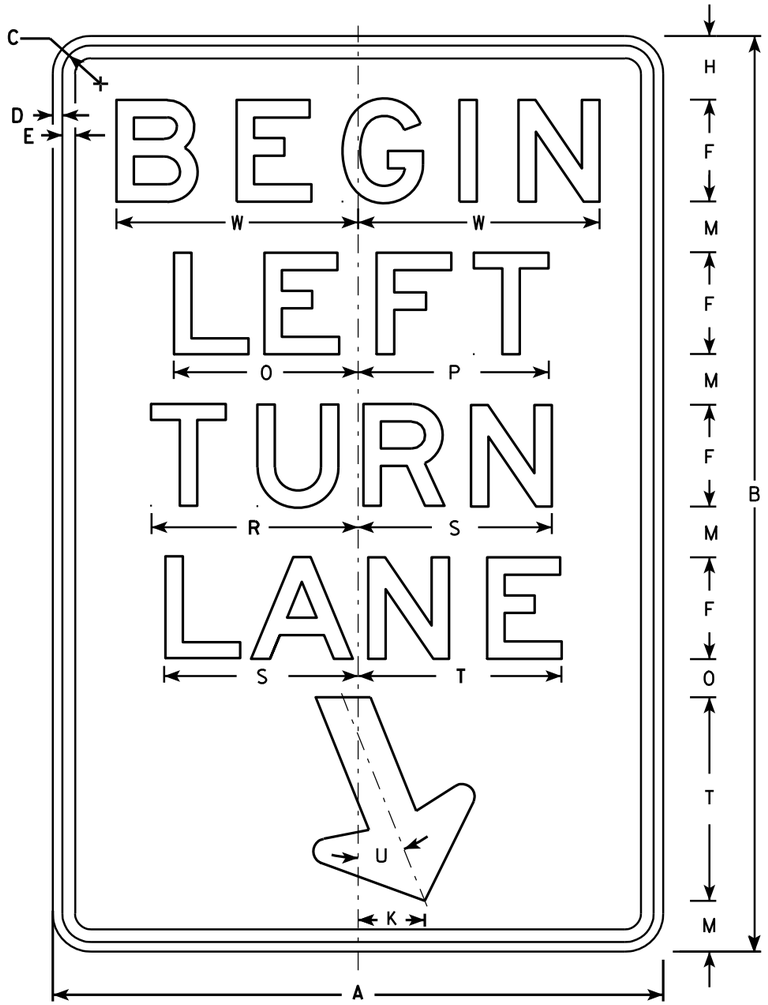
STANDARD SIGN
R3-9B

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/24/2011 PLATE NO. R3-9B.5

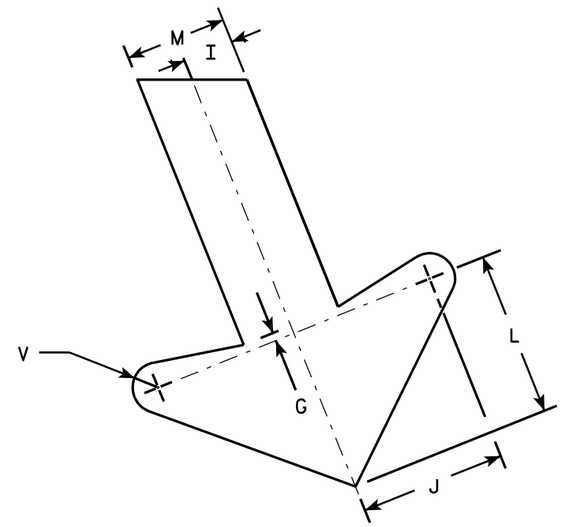
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 550 | E



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																											

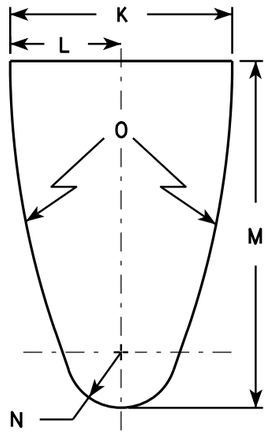
STANDARD SIGN
R3-20L

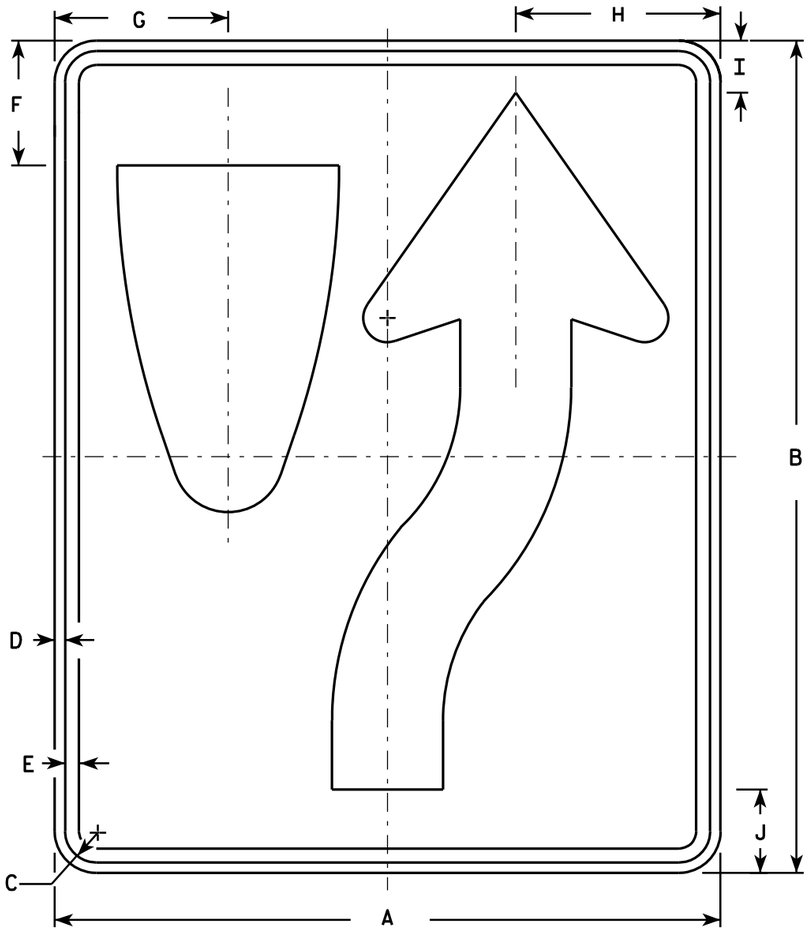
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 10/18/10 PLATE NO. R3-20L.7

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 551 | E

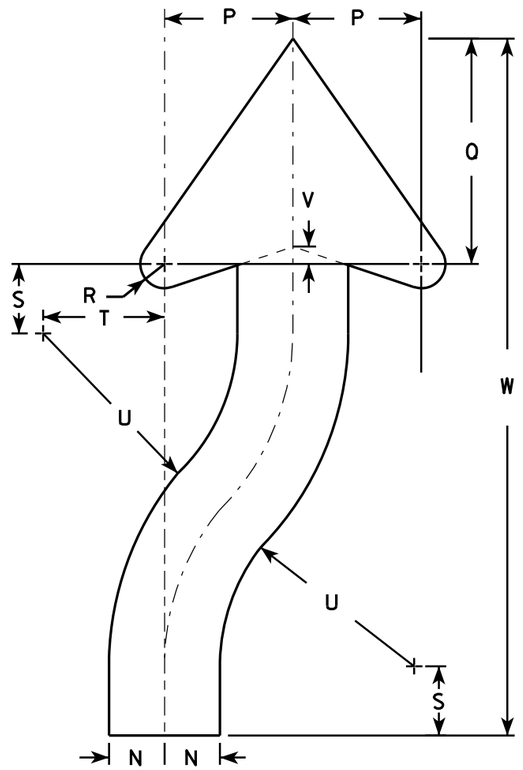




R4-7

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

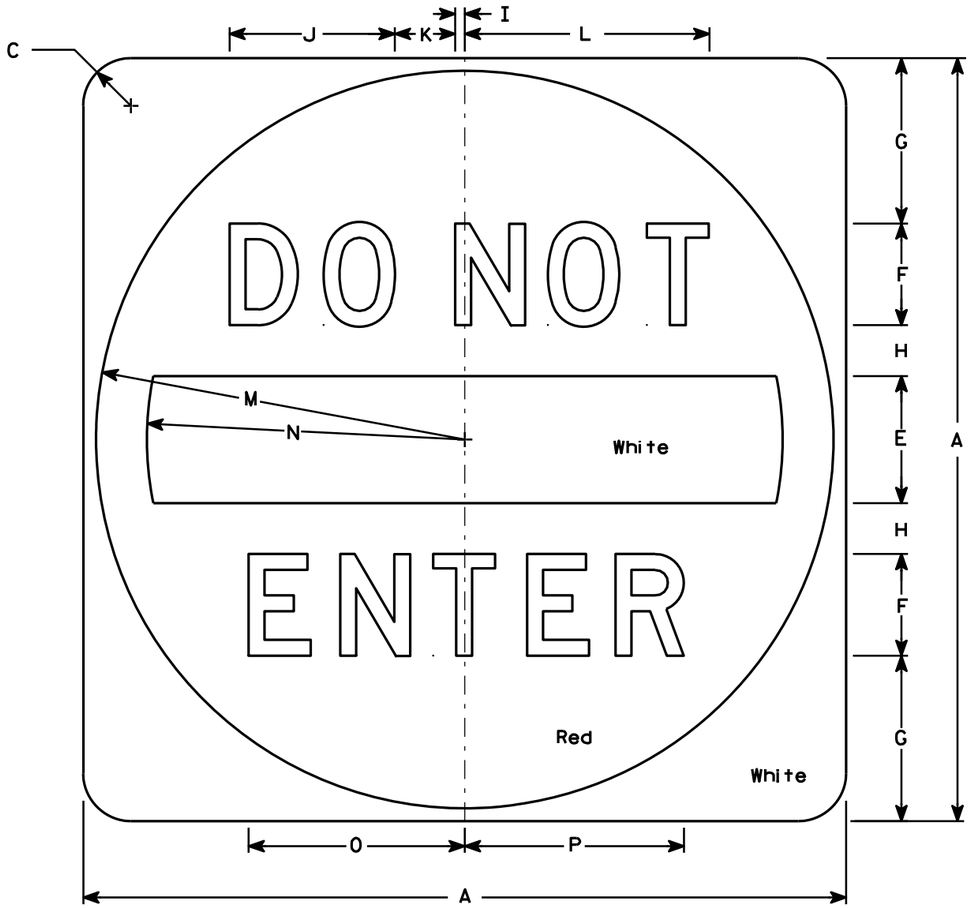
STANDARD SIGN
R4-7 & R4-8

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: 552	E



R5-1

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - See detail
   Message - White - Type H Reflective
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but when base material is metal, the cornors shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30		1 7/8		5	4	6 1/2	2	3/8	6 1/2	2 3/8	9 5/8	14 1/2	12 1/2	8 1/2	8 5/8											6.26
2M	36		2 1/4		6	5	7 1/2	2 1/2	1/2	8 1/8	3	12 1/8	17 1/2	15	10 5/8	10 3/4											9.0
3	36		2 1/4		6	5	7 1/2	2 1/2	1/2	8 1/8	3	12 1/8	17 1/2	15	10 5/8	10 3/4											9.0
4	36		2 1/4		6	5	7 1/2	2 1/2	1/2	8 1/8	3	12 1/8	17 1/2	15	10 5/8	10 3/4											9.0
5	48		3		8	6	11	3	5/8	9 3/4	3 5/8	14 1/2	23 1/2	20	12 3/4	12 7/8											16.0

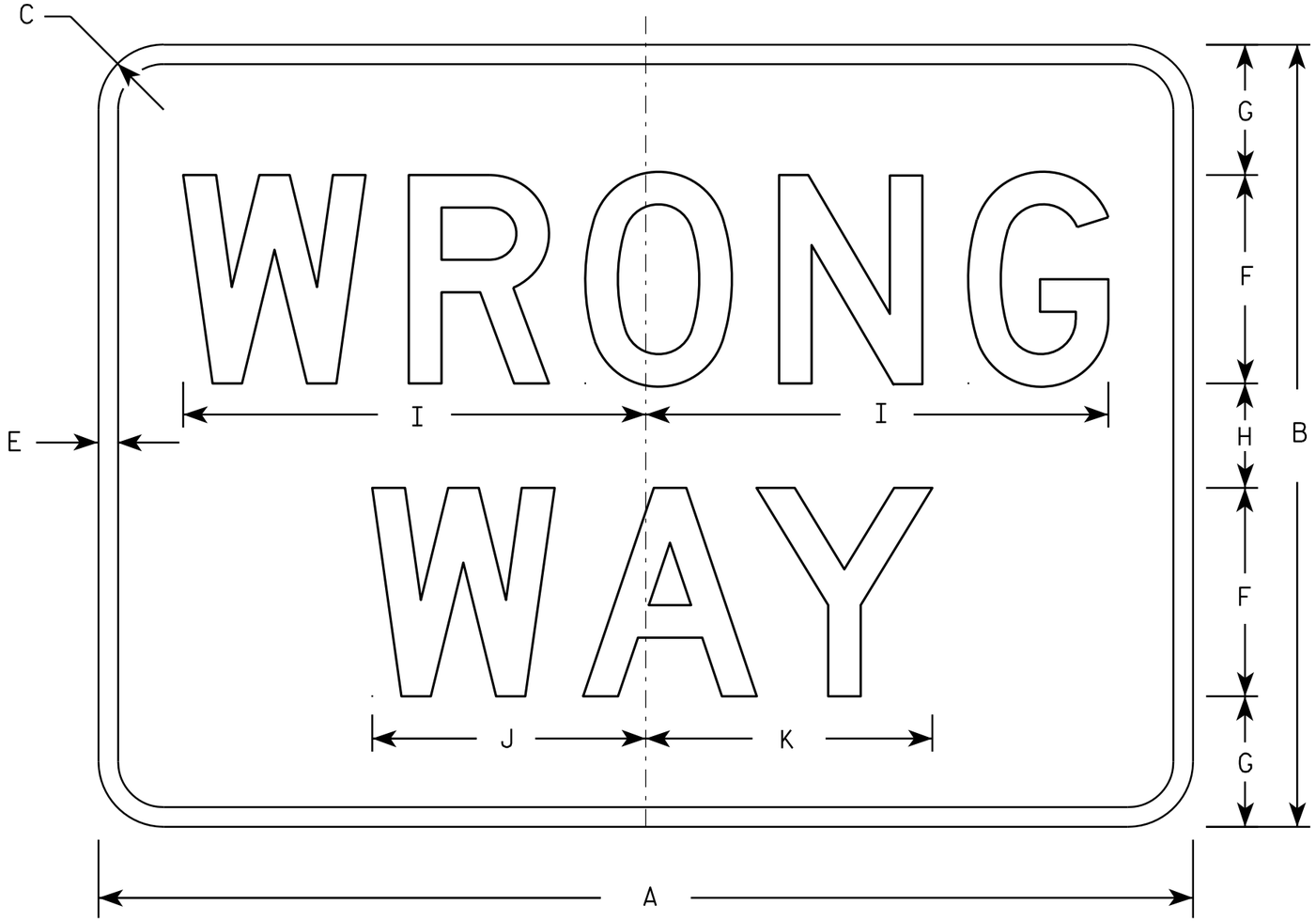
STANDARD SIGN
R5-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/17/10 PLATE NO. R5-1.15

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 553 | E



R5-1A

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 - 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	30	18	1 1/2		1/2	5	3	2	11	6 1/2	6 7/8																3.75
2S	36	24	2		5/8	6	4 1/2	3	13 1/4	7 7/8	8 1/4																6.00
2M	42	30	2 1/2		3/4	8	5	4	17 3/4	10 1/2	11																8.75
3	42	30	2 1/2		3/4	8	5	4	17 3/4	10 1/2	11																8.75
4	42	30	2 1/2		3/4	8	5	4	17 3/4	10 1/2	11																8.75
5	42	30	2 1/2		3/4	8	5	4	17 3/4	10 1/2	11																8.75

STANDARD SIGN
R5-1A

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/17/10 PLATE NO. R5-1A.2

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 554	E

R5-57

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 - Lines 1, 2, and 5 are Series C.
   Lines 3 and 4 are Series B.
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

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

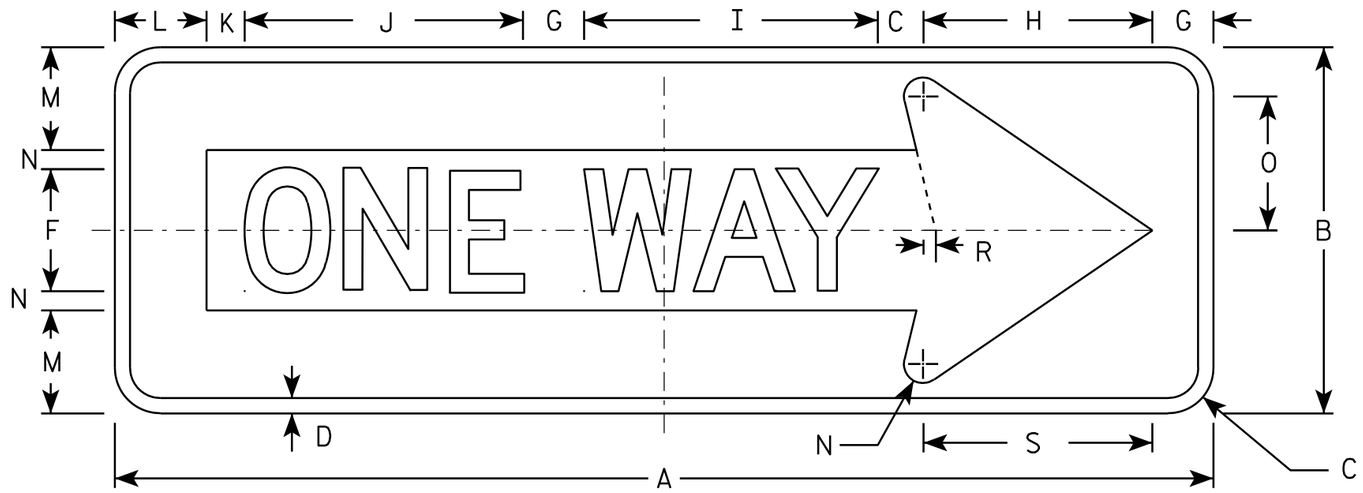
STANDARD SIGN
R5-57

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/29/2011 PLATE NO. R5-57.10

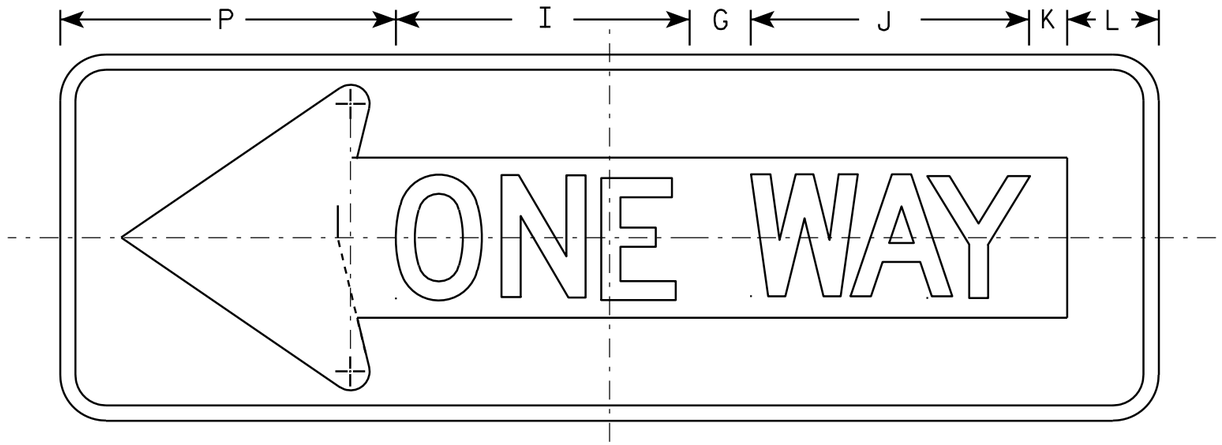
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 555	E



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

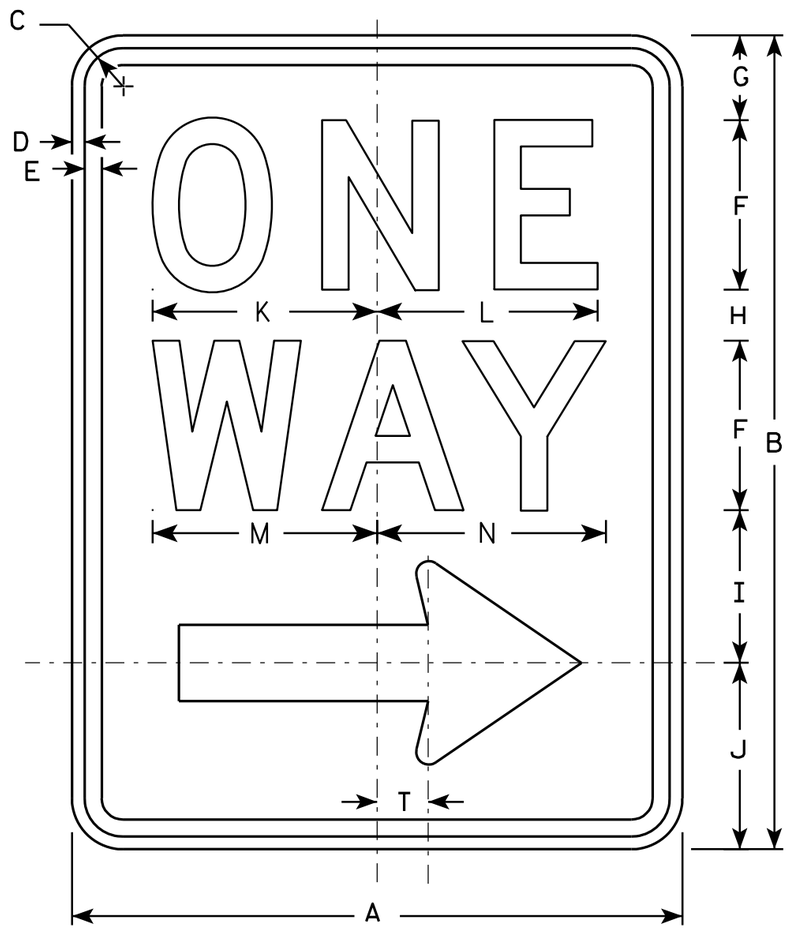
DATE 12/17/10 PLATE NO. R6-1.2

PROJECT NO:

SHEET NO: 556 E

FILE NAME : C:\Users\PROJECTS\tr_stdplate\R61.DGN PLOT DATE : 17-DEC-2010 14:11 PLOT BY : dotsja

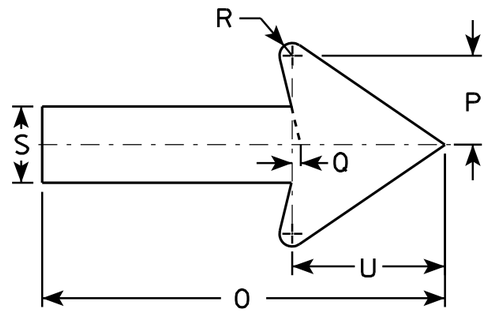
WISDOT/CADDS SHEET 42



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

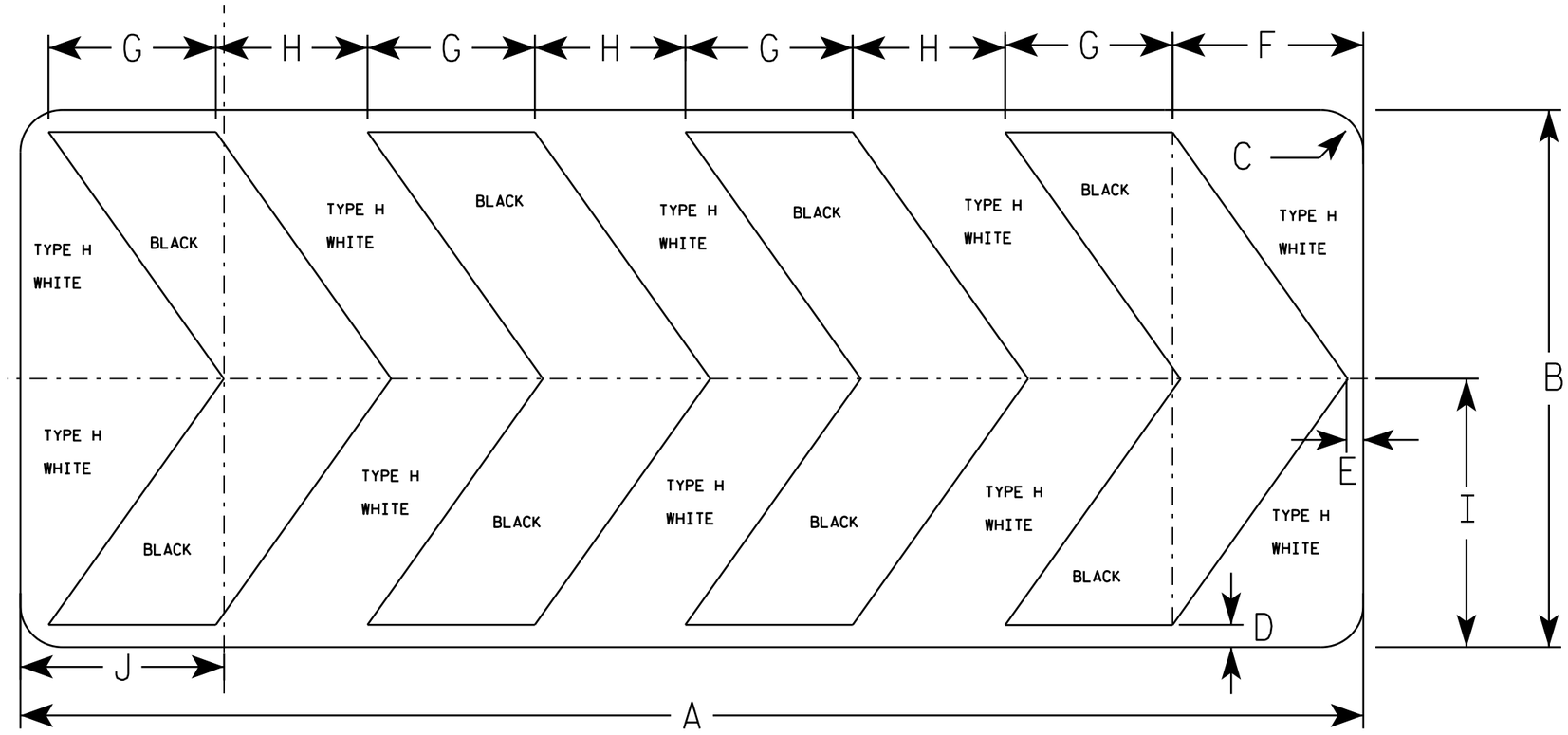
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/2/10 PLATE NO. R6-2.8

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 557	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

R8-8

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																											
2S	24	30	1 1/8	3/8	1/2	4	3 5/8	2 1/4	9 1/4	9 5/8	6 5/8	3 5/8	10														5.0
2M	24	30	1 1/8	3/8	1/2	4	3 5/8	2 1/4	9 1/4	9 5/8	6 5/8	3 5/8	10														5.0
3	36	48	1 3/8	1/2	5/8	6	6	4	13 7/8	14 3/8	9 7/8	5 3/8	15														12.0
4	48	60	2 1/4	3/4	1	8	7 1/4	4 1/2	18 1/2	19 1/4	13 1/4	7 1/4	20														20.0
5																											

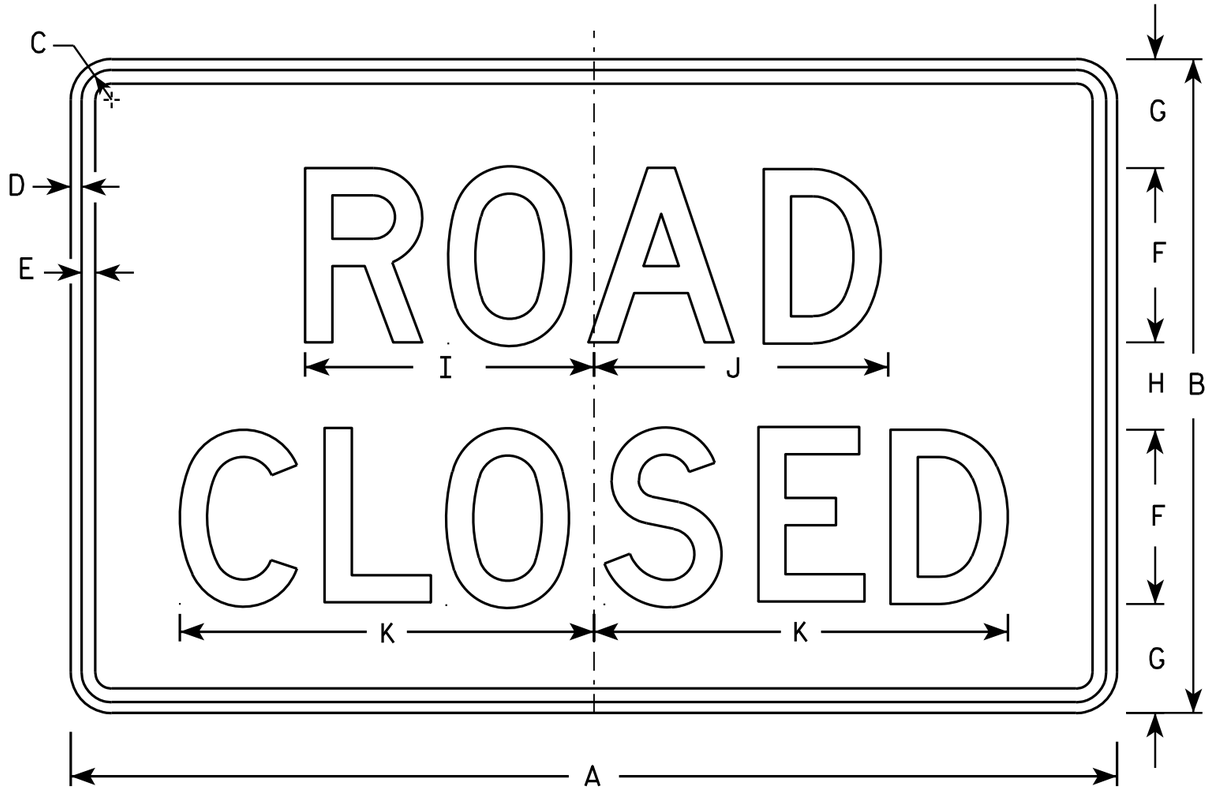
STANDARD SIGN
R8-8

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 3/31/2011 PLATE NO. R8-8.4

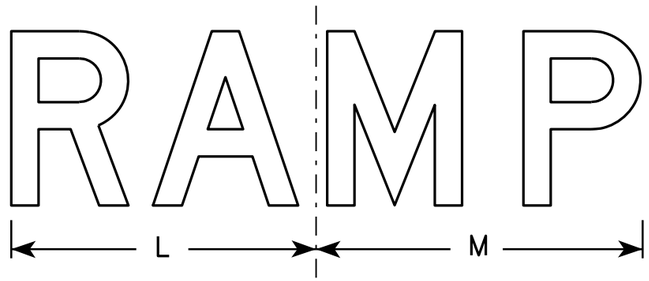
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 559 | E



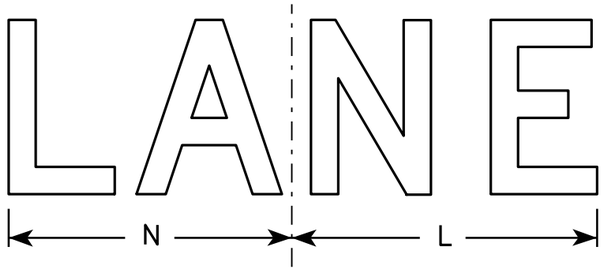
R11-2

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

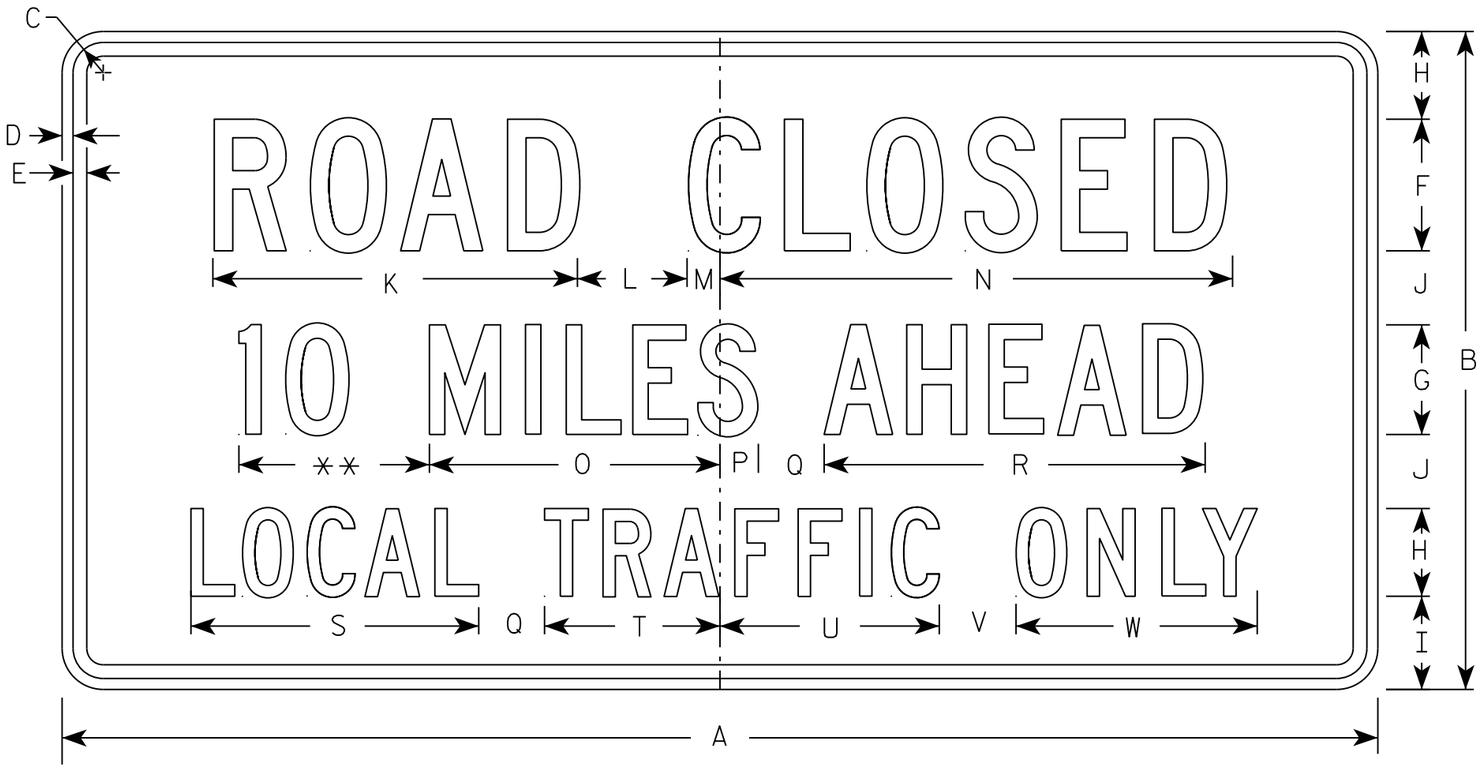
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 4/1/11 PLATE NO. R11-2.10

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 560 | E

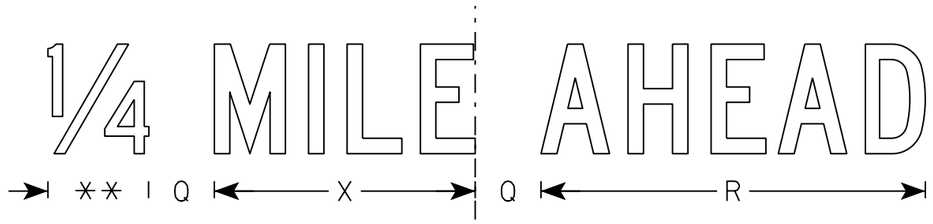
NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   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.
5. Substitute appropriate numerals to nearest quarter mile and optically adjust spacing to achieve proper balance.



R11-3

** See Note 5



SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36	18	1 3/8	1/2	5/8	4	3	2 1/2	2	2	11 1/8	3	1 1/8	15 1/4	8	1 1/2	2	10 3/4	8 3/8	4 3/4	6 1/2	2	6 3/4	7 1/8			4.5
2S	60	30	1 3/8	1/2	5/8	6	5	4	4 1/4	3 3/8	16 5/8	5	1 1/2	23	13 1/4	1 3/4	3	17 3/8	13 1/8	8	10	3 1/2	11	11 7/8			12.5
2M	60	30	1 3/8	1/2	5/8	6	5	4	4 1/4	3 3/8	16 5/8	5	1 1/2	23	13 1/4	1 3/4	3	17 3/8	13 1/8	8	10	3 1/2	11	11 7/8			12.5
3																											
4																											
5																											

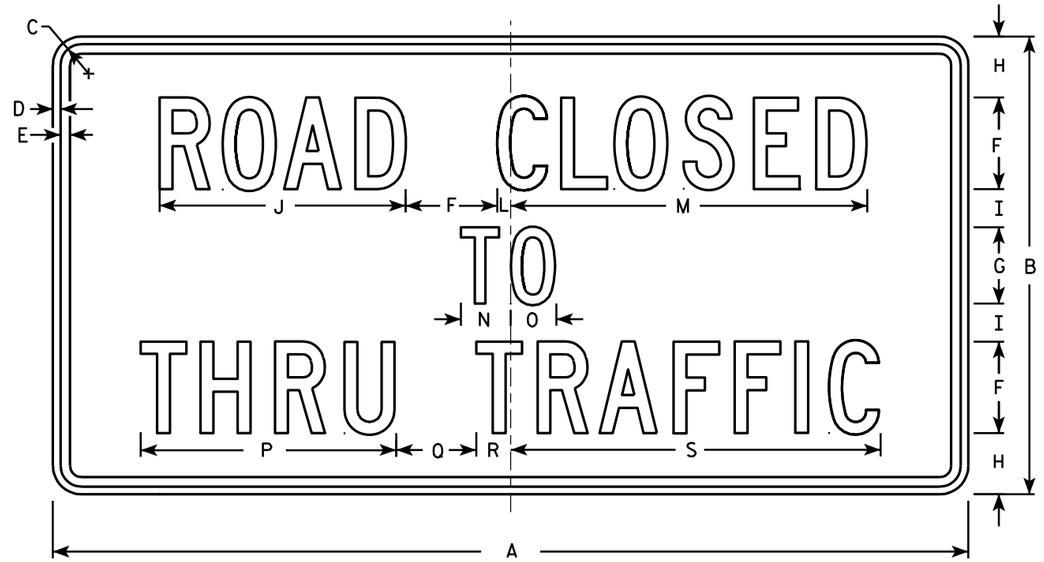
STANDARD SIGN
R11-3

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/15/17 PLATE NO. R11-3.8

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 561	E



R11-4

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 - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	60	30	1 3/8	1/2	5/8	6	5	4	2 1/2	16 1/8		7/8	23 3/8	3 1/4	3	16 3/4	5 1/4	2 1/4	24 1/4								12.5
2M	60	30	1 3/8	1/2	5/8	6	5	4	2 1/2	16 1/8		7/8	23 3/8	3 1/4	3	16 3/4	5 1/4	2 1/4	24 1/4								12.5
3																											
4																											
5																											

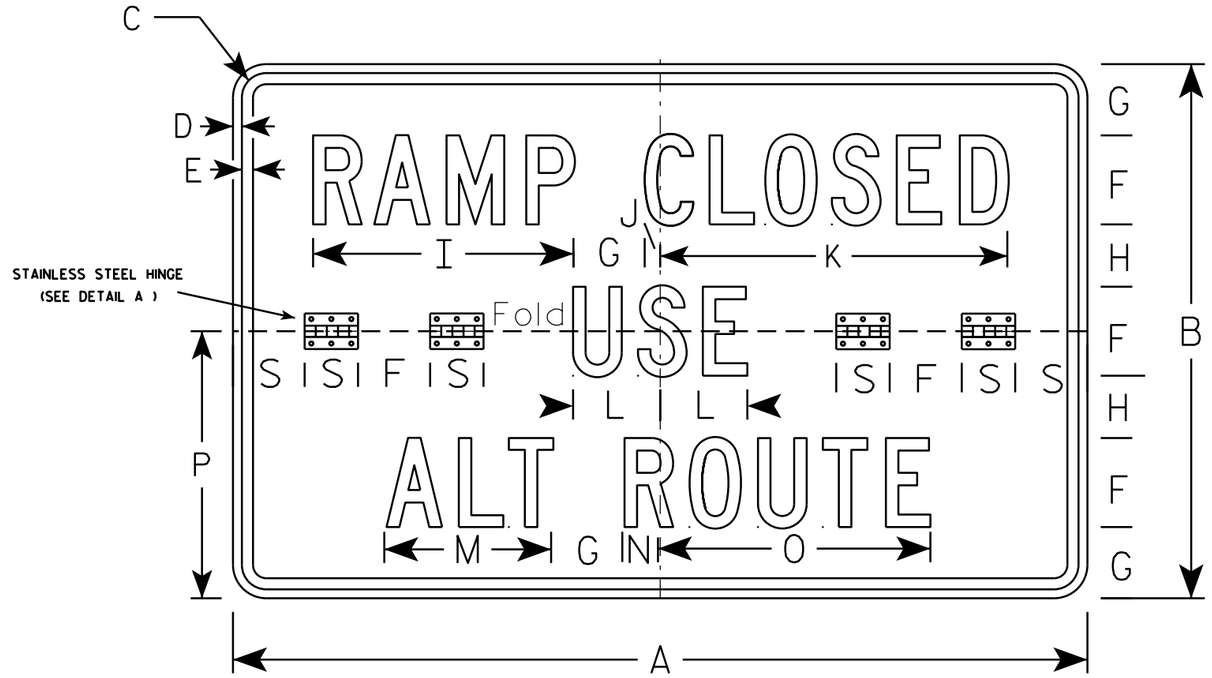
STANDARD SIGN
R11 - 4

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch for State Traffic Engineer

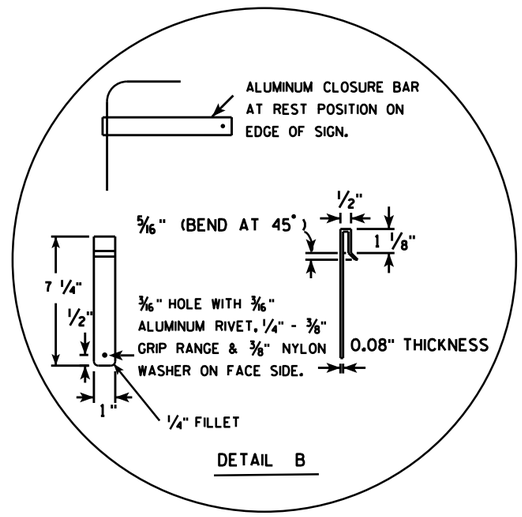
DATE 4/1/11 PLATE NO. R11-4.3

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 562 | E



R11-54F

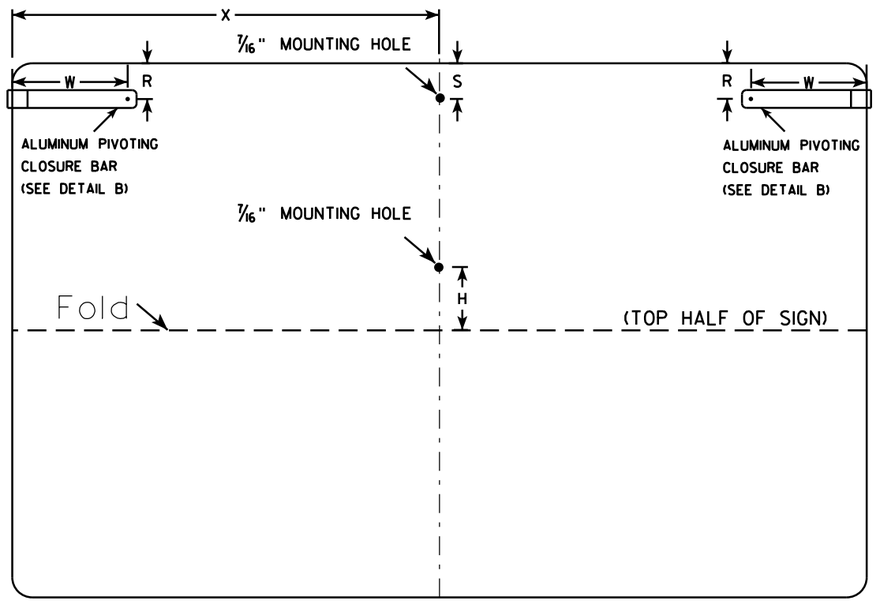
DETAIL A



DETAIL B

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - WHITE
   Message - BLACK
3. Message Series - C
4. Sign Base Material shall be aluminum, corners and borders shall be rounded.
5. All hardware used on the folding sign installation shall conform to 637.2.4 of the WIS DOT Standard Specification.
6. Refer to plate A5-3A for sign blank layout.



(BACK VIEW)

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	5	4	3 1/2	14 5/8	7/8	19 1/2	4 7/8	9 3/8	2	15 1/4	15		2	3	2 5/8	1 1/4	11/16	6 1/2	24			10.0
2M	48	30	1 3/8	1/2	5/8	5	4	3 1/2	14 5/8	7/8	19 1/2	4 7/8	9 3/8	2	15 1/4	15		2	3	2 5/8	1 1/4	11/16	6 1/2	24			10.0
3																											
4																											
5																											

STANDARD SIGN
R11-54F

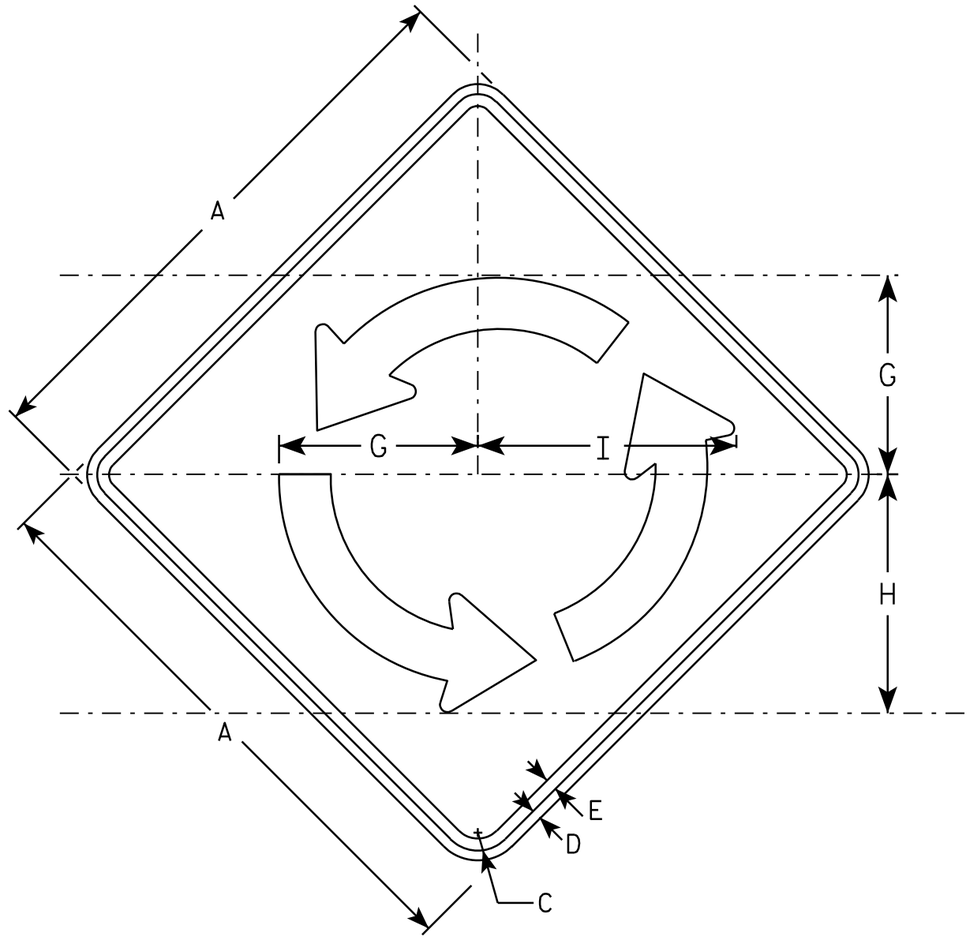
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/28/14 PLATE NO. R11-54F.3

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

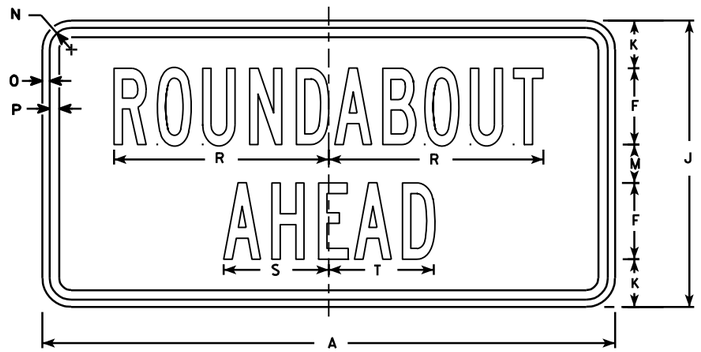
FILE NAME : C:\CAEFiles\Projects\tr_stdplate\R1154F.DGN PLOT DATE : 28-MAY-2014 14:15 PLOT BY : mscsja PLOT NAME : PLOT SCALE : 8.511110:1.000000
WISDOT/CADDS SHEET 42



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

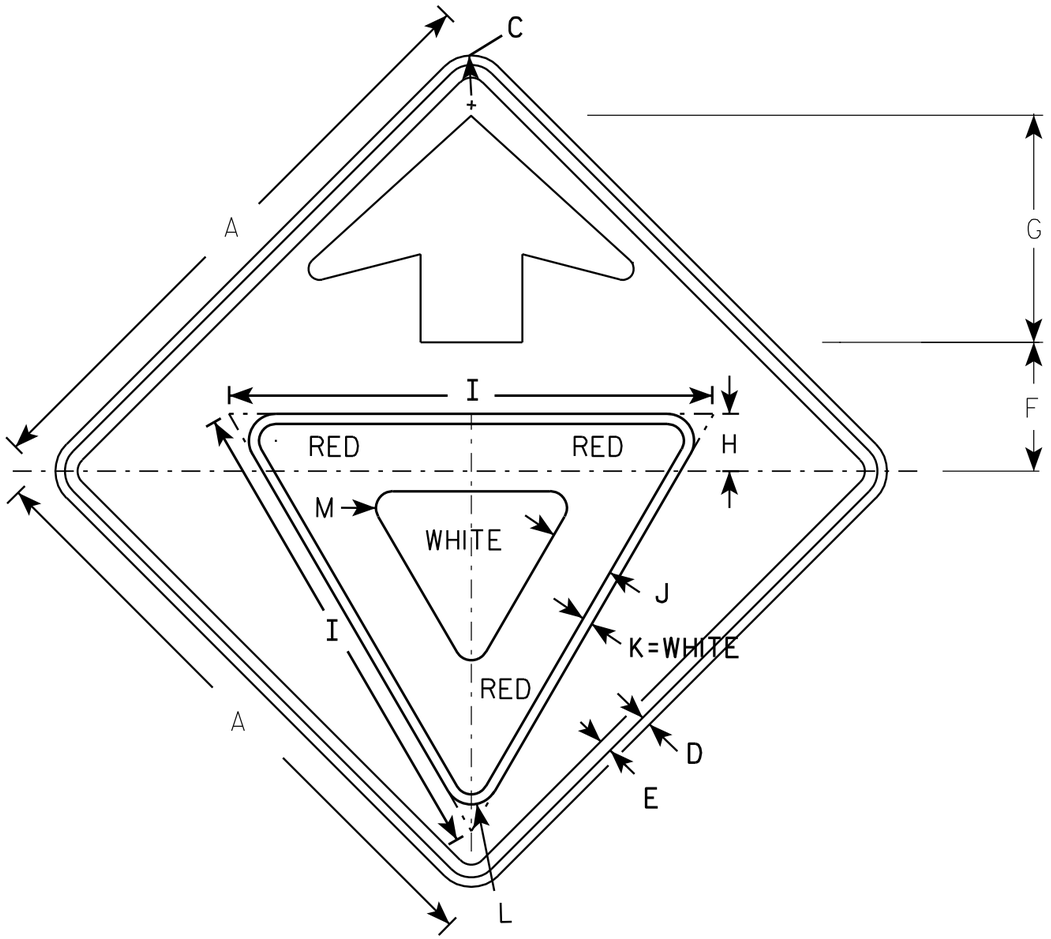
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 6/29/12 PLATE NO. W2-6.5

PROJECT NO:

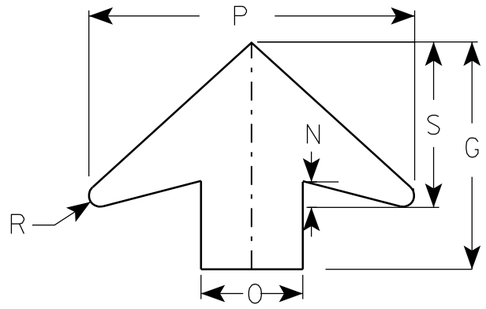
SHEET NO: 564 E



W3-2

NOTES

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



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	30		1 3/8	1/2	5/8	6 1/4	11 1/4	3	25	3 3/8	1/2	1 3/8	7/8	1 1/4	5	16		1/2	8								6.25
2S	36		1 5/8	5/8	3/4	7 1/2	13 1/2	3 3/8	28	3 3/4	5/8	1 1/2	1	1 5/8	6	19 1/4		5/8	9 3/4								9.0
2M	36		1 5/8	5/8	3/4	7 1/2	13 1/2	3 3/8	28	3 3/4	5/8	1 1/2	1	1 5/8	6	19 1/4		5/8	9 3/4								9.0
3	36		1 5/8	5/8	3/4	7 1/2	13 1/2	3 3/8	28	3 3/4	5/8	1 1/2	1	1 5/8	6	19 1/4		5/8	9 3/4								9.0
4	48		2 1/4	3/4	1	10	17 7/8	4 1/2	38	5	3/4	2 1/8	1 3/8	2	8	25 5/8		7/8	13								16.0
5	48		2 1/4	3/4	1	10	17 7/8	4 1/2	38	5	3/4	2 1/8	1 3/8	2	8	25 5/8		7/8	13								16.0

STANDARD SIGN
W3-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 6/7/10 PLATE NO. W3-2..9

PROJECT NO:

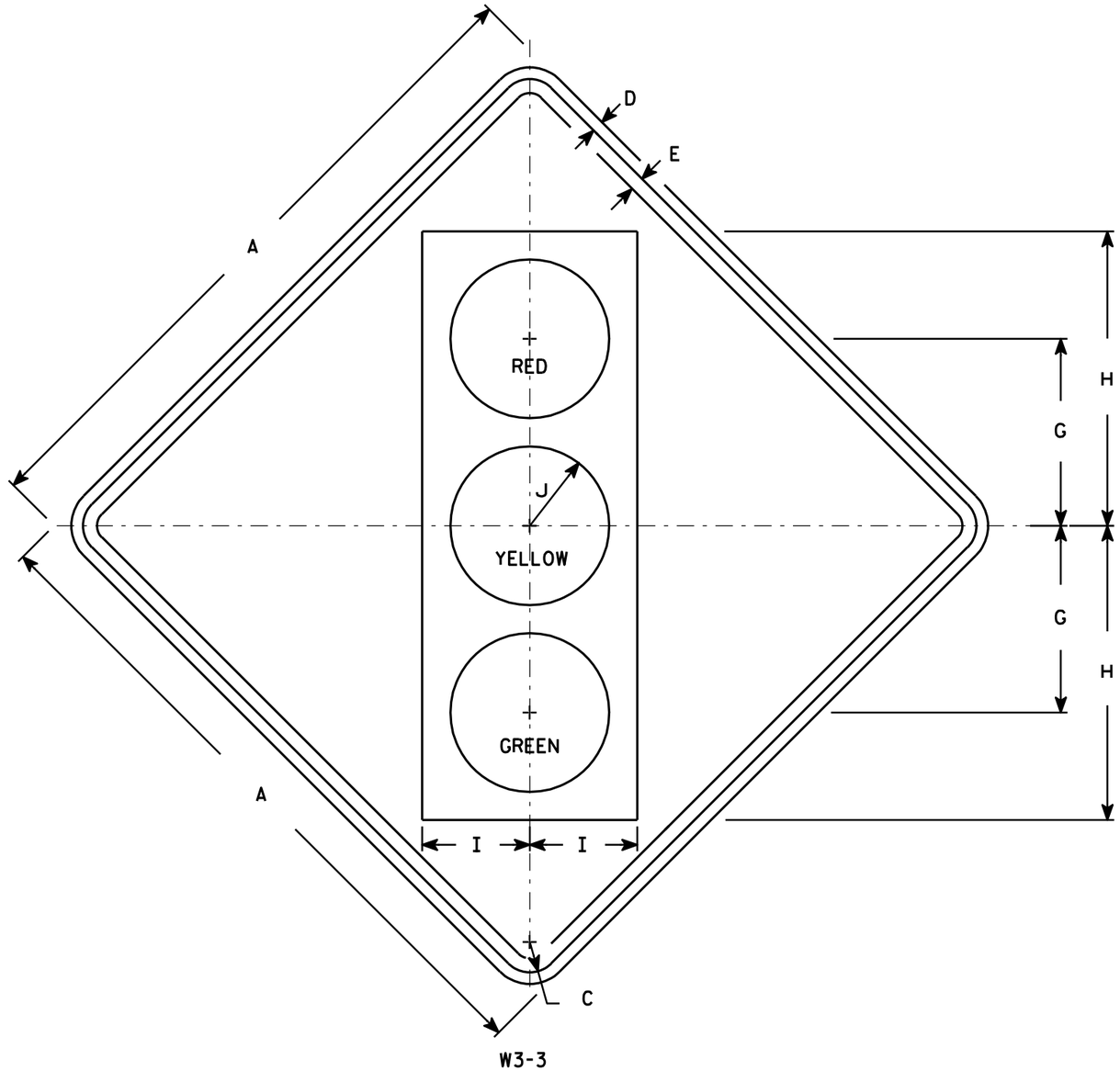
SHEET NO: 565 E

FILE NAME : C:\Users\PROJECTS\tr_stdplate\W32.DGN PLOT DATE : 07-JUN-2010 13:03 PLOT BY : ditjph

WISDOT/CADDS SHEET 42

7

7



NOTES

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

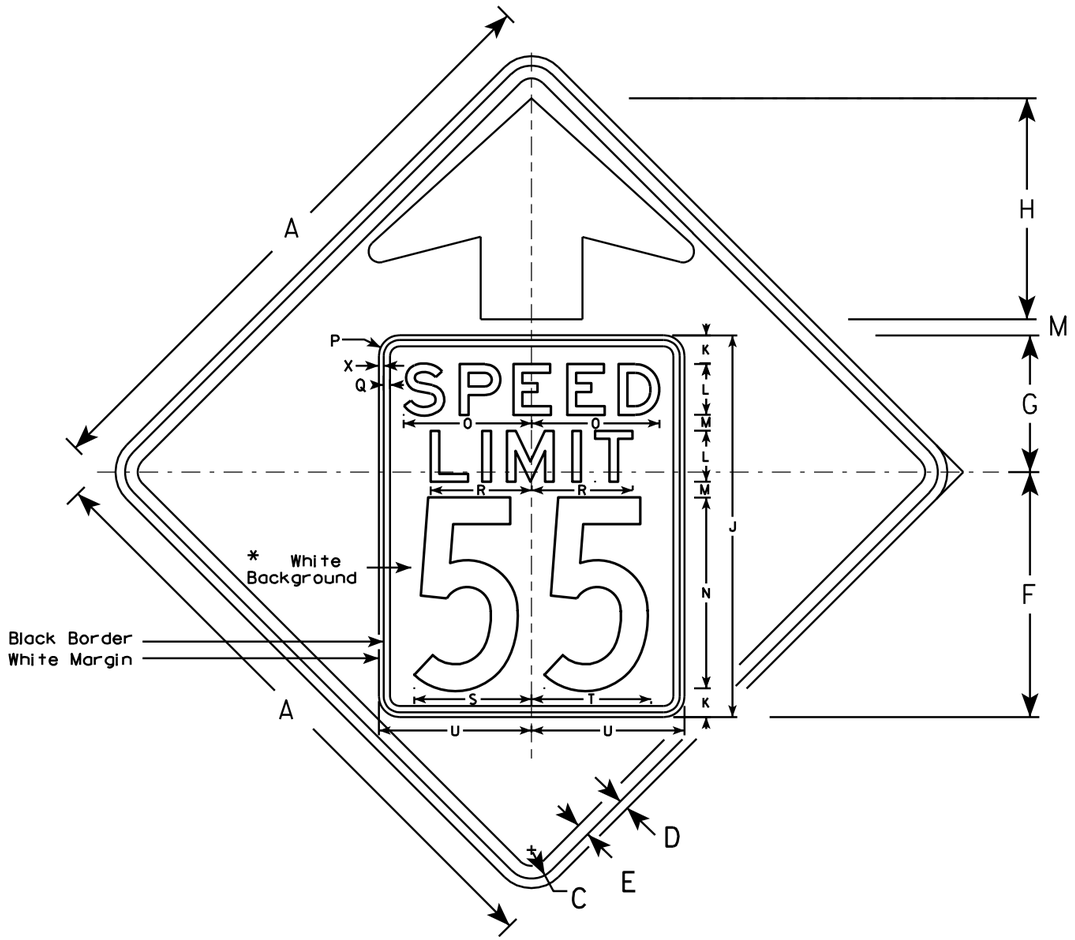
APPROVED Matthew R Rauch for State Traffic Engineer

DATE 6/7/10 PLATE NO. W3-3.11

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 566 | E

7

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

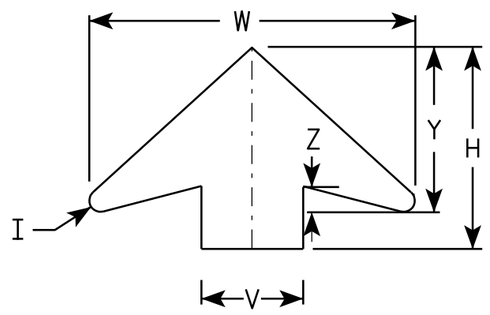


W3-5

NOTES

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

*Speed Limit Sign shall have a White Background



ARROW DETAIL

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

STANDARD SIGN
W3-5

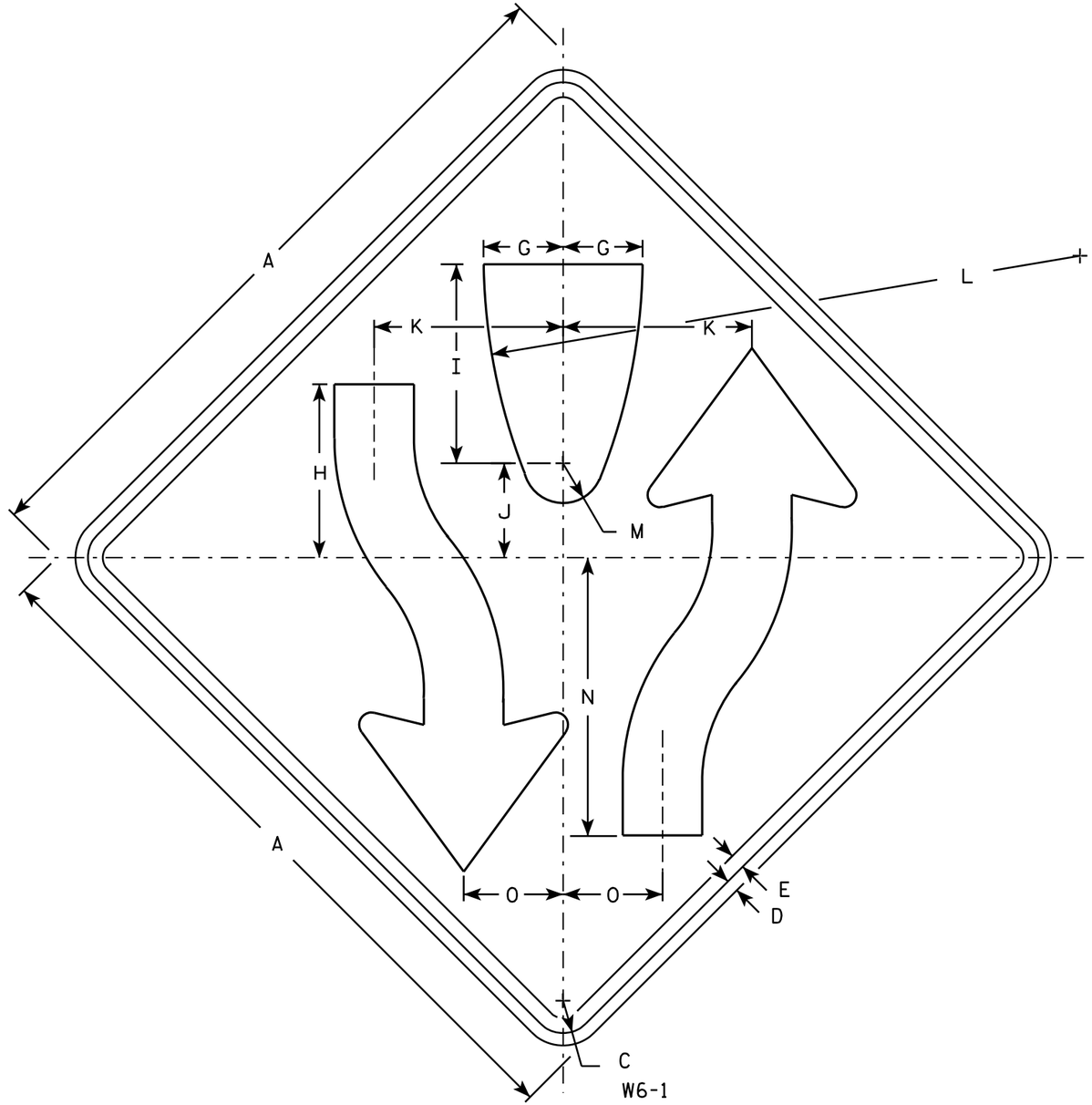
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

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

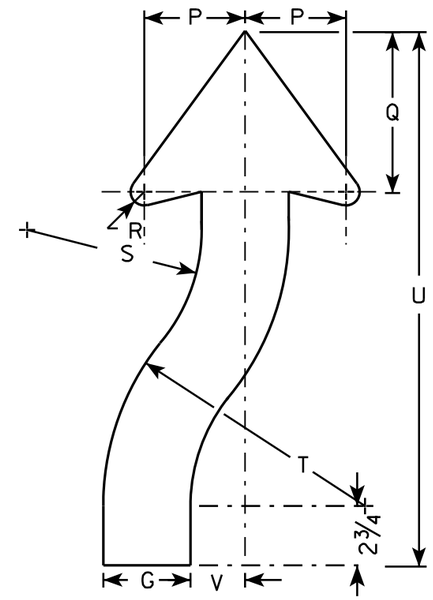
PROJECT NO:

SHEET NO: 567 E



NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Yellow
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. W6-2 same as W6-1 but is rotated 180° when mounted.



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	30		1 3/8	1/2	5/8		3 1/4	8	8 1/4	4 1/8	7 7/8	25	1 3/4	11 5/8	4 1/8	3 7/8	6 3/4	5/8	6 5/8	9 7/8	21 5/8	2					6.25
2S	36		1 5/8	5/8	3/4		4	8 3/4	10	4 3/4	9 1/2	30	2	14	5	4 5/8	7 3/8	7/8	8	12	24 1/2	2 1/2					9.0
2M	36		1 5/8	5/8	3/4		4	8 3/4	10	4 3/4	9 1/2	30	2	14	5	4 5/8	7 3/8	7/8	8	12	24 1/2	2 1/2					9.0
3																											
4	48		2 1/4	3/4	1		5 3/8	11 5/8	13 3/8	6 3/8	12 5/8	40	2 5/8	18 5/8	6 5/8	6 1/4	9 7/8	1 1/4	10 5/8	16	32 5/8	3 3/8					16.0
5	48		2 1/4	3/4	1		5 3/8	11 5/8	13 3/8	6 3/8	12 5/8	40	2 5/8	18 5/8	6 5/8	6 1/4	9 7/8	1 1/4	10 5/8	16	32 5/8	3 3/8					16.0

STANDARD SIGN
W6-1 & W6-2

WISCONSIN DEPT OF TRANSPORTATION

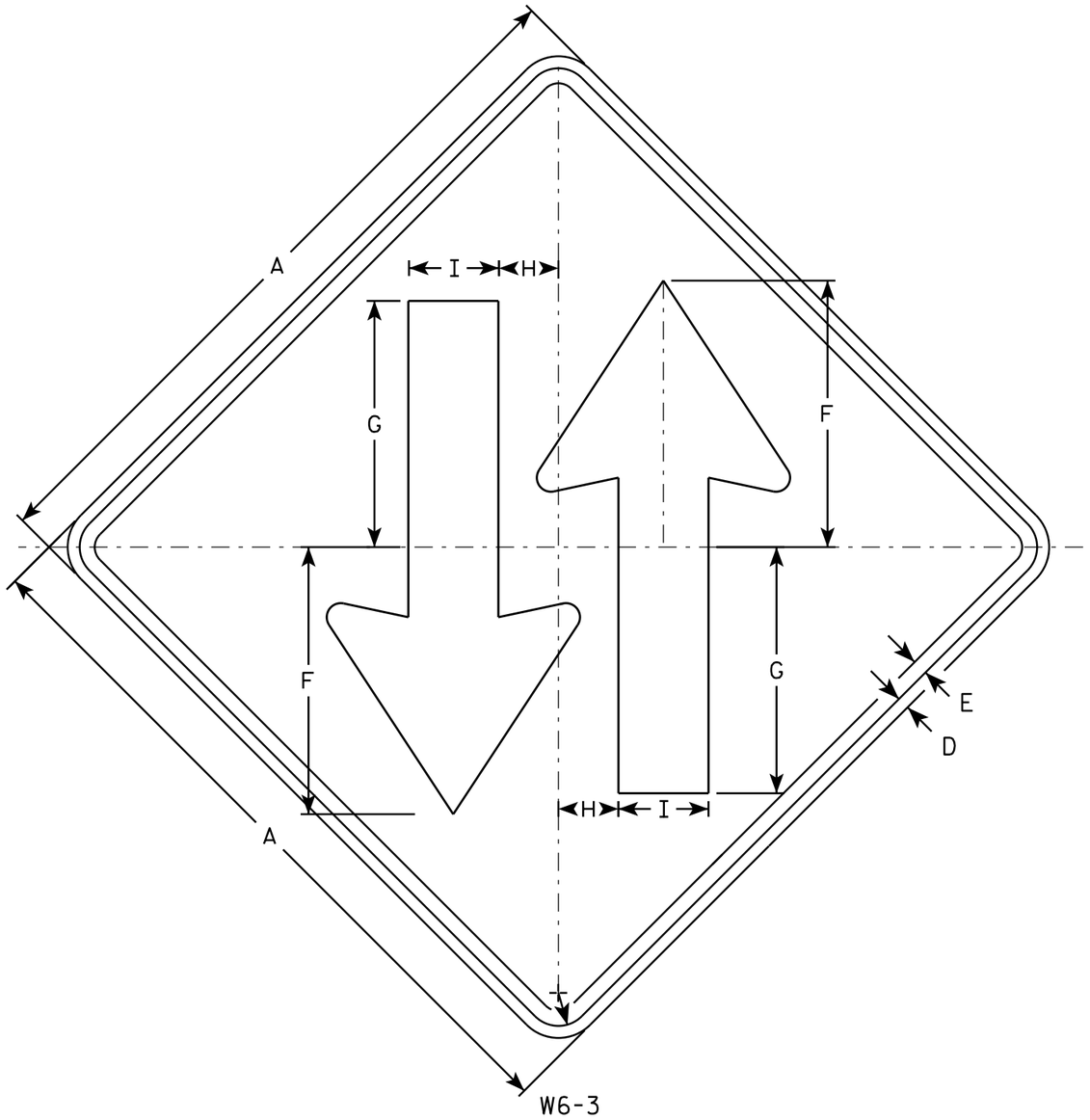
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 03/12/13 PLATE NO. W6-1.14

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 568	E

7

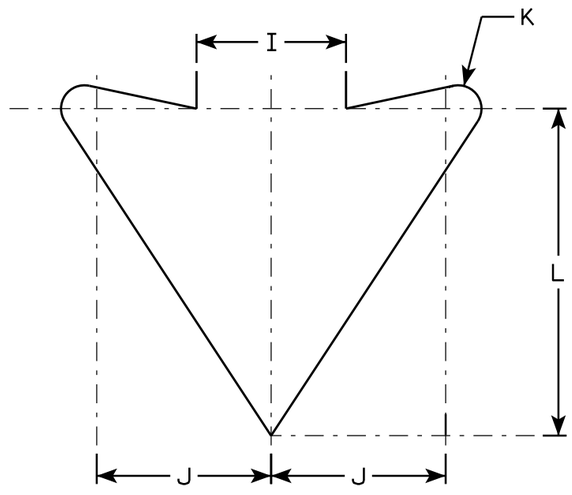
FILE NAME : C:\CAEFiles\Projects\tr_stdplate\W61.DGN PLOT DATE : 12-MAR-2013 14:02 PLOT BY : mscsja PLOT NAME : PLOT SCALE : 6.946657:1.000000
WISDOT/CADDS SHEET 42



W6-3

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - 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	30		1 3/8	1/2	5/8	11 1/8	10 1/4	2 1/2	3 3/4	4 3/8	5/8	8 1/4															6.25
2S	36		1 5/8	5/8	3/4	13 3/8	12 1/4	3	4 1/2	5 1/4	3/4	9 7/8															9.0
2M	36		1 5/8	5/8	3/4	13 3/8	12 1/4	3	4 1/2	5 1/4	3/4	9 7/8															9.0
3																											
4	48		2 1/4	3/4	1	17 3/4	16 3/8	4	6	7	1	13 1/8															16.0
5	48		2 1/4	3/4	1	17 3/4	16 3/8	4	6	7	1	13 1/8															16.0

STANDARD SIGN
W6-3

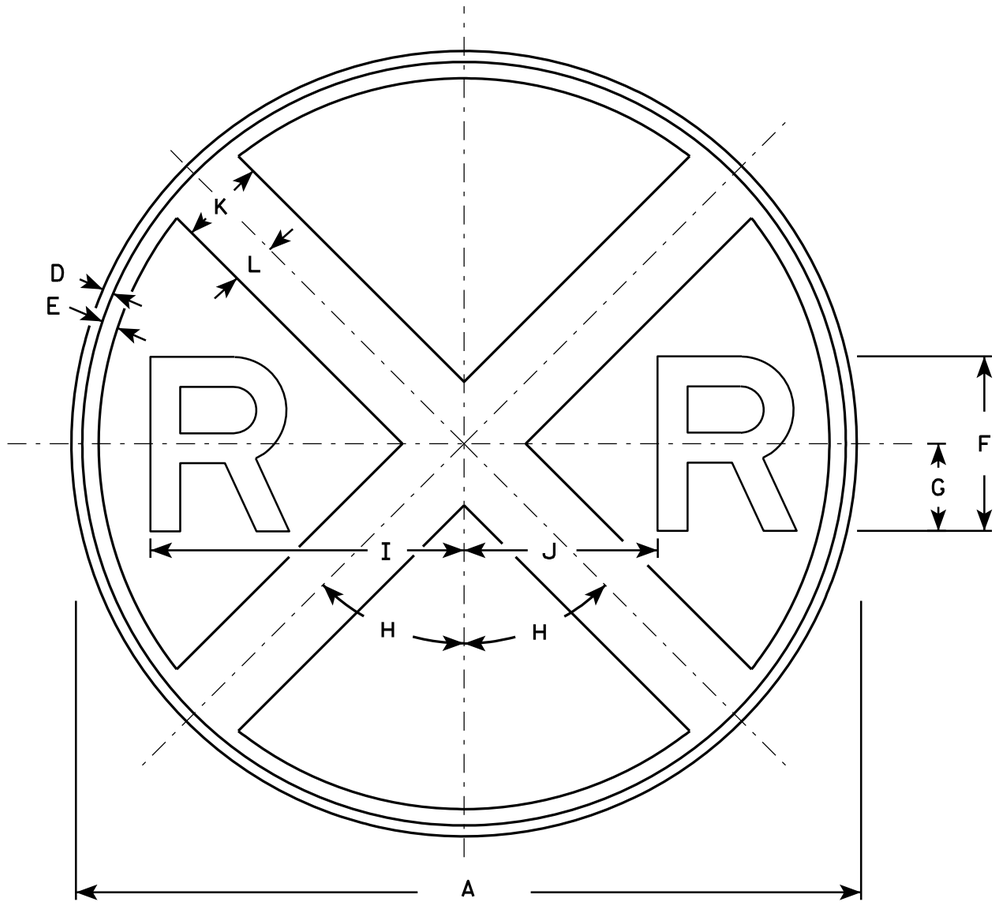
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/10/16 PLATE W6-3.11

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

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\W63.DGN PLOT DATE : 10-MAR-2016 14:01 PLOT BY : mscsja PLOT NAME : PLOT SCALE : 6.080757:1.000000
WISDOT/CADDS SHEET 42



W10-1

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Yellow
   Message - Black
3. Message 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	30			3/8	5/8	7	3 1/2	45°	12 3/8	7 1/8	3	1 1/2															4.91
2S	36			5/8	3/4	8	4	45°	14 3/8	8 5/8	4	2															7.07
2M	36			5/8	3/4	8	4	45°	14 3/8	8 5/8	4	2															7.07
3																											
4	48			3/4	1 1/4	10	5	45°	18 3/8	11 5/8	5	2 1/2															12.57
5																											

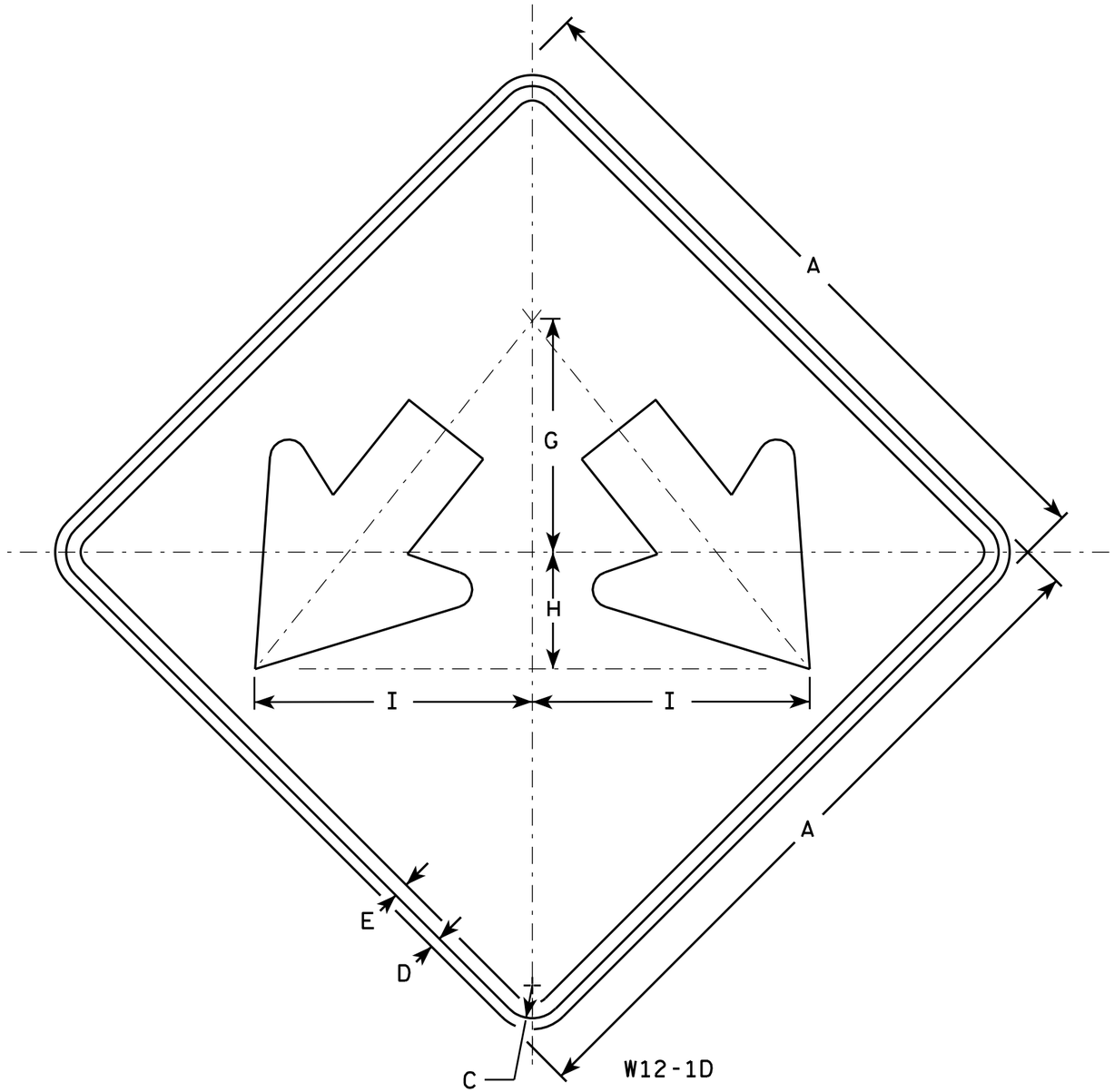
STANDARD SIGN
W10-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch for State Traffic Engineer

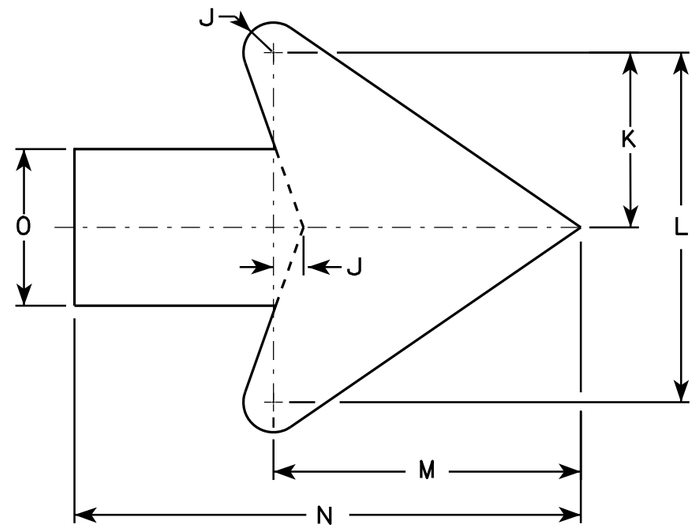
DATE 3/13/13 PLATE NO. W10-1.8

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 570	E



NOTES

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



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

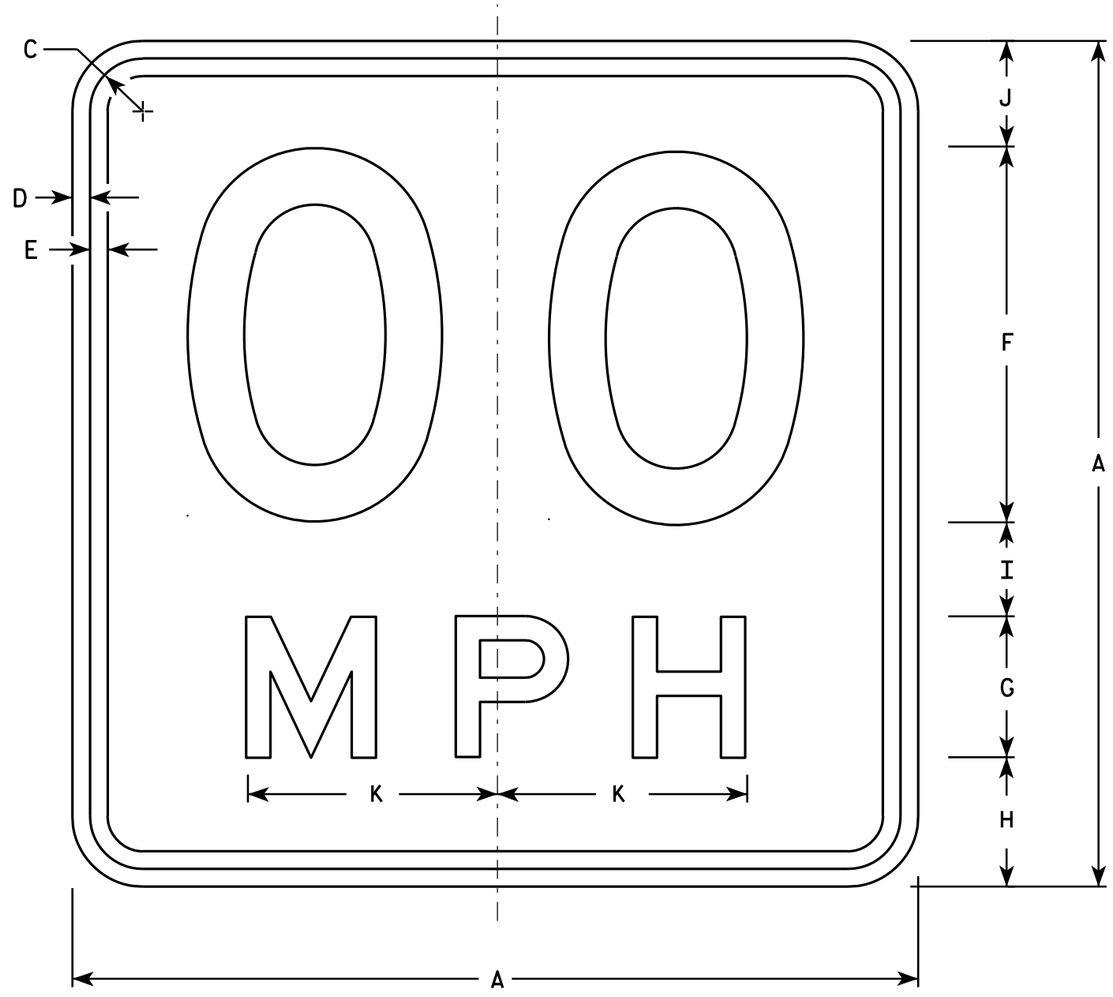
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 571	E

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\W121D.DGN PLOT DATE : 13-MAR-2013 13:26 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 4.713802:1.000000

WISDOT/CADDS SHEET 42

7

7



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

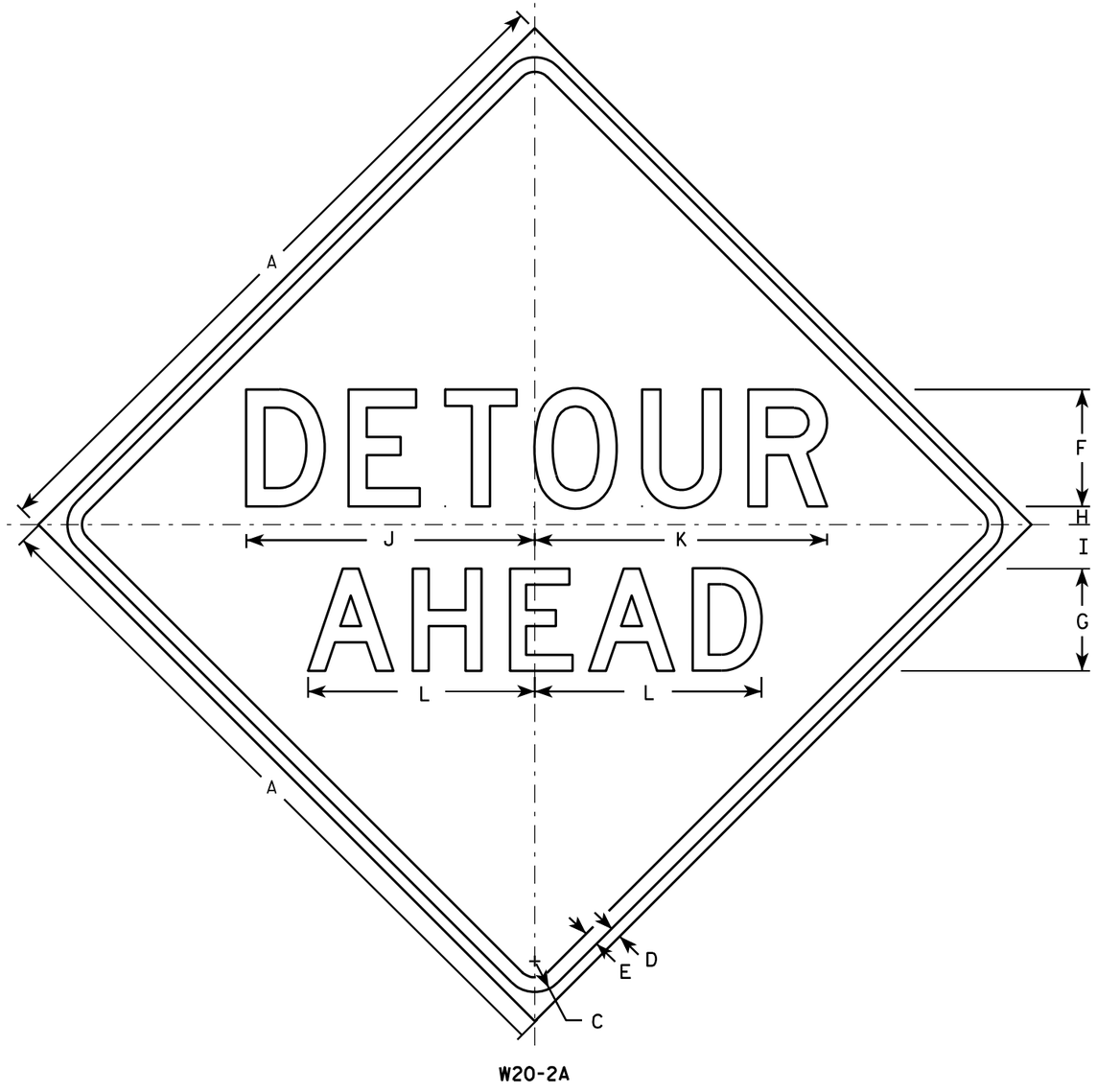
STANDARD SIGN
W13-1

WISCONSIN DEPT OF TRANSPORTATION

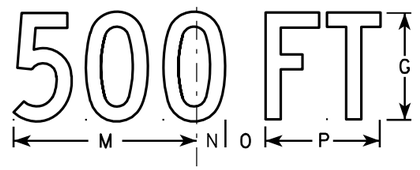
APPROVED Matthew R Rauch
For State Traffic Engineer

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

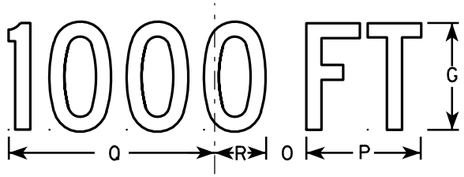
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 572	E



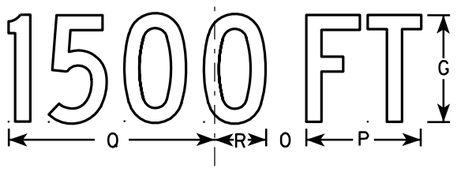
W20-2A



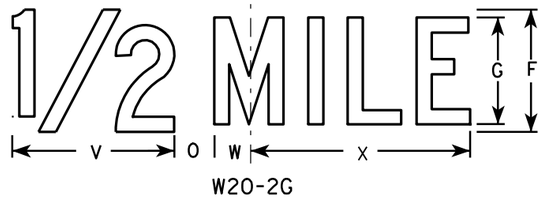
W20-2D



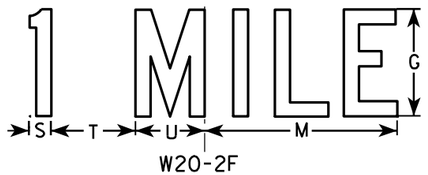
W20-2C



W20-2B



W20-2G



W20-2F

NOTES

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

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

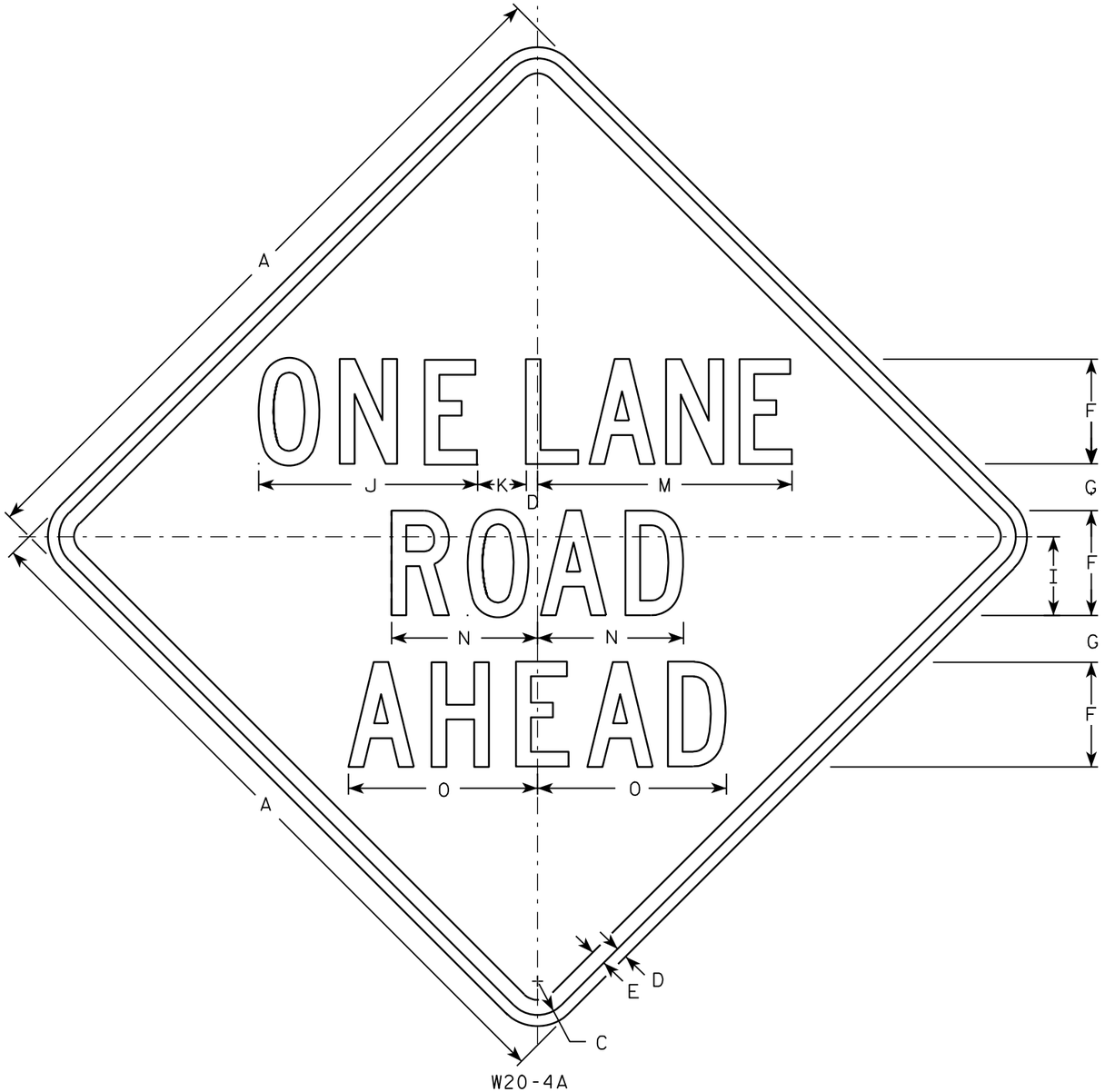
STANDARD SIGN
W20-2A,B,C,D,F & G

WISCONSIN DEPT OF TRANSPORTATION

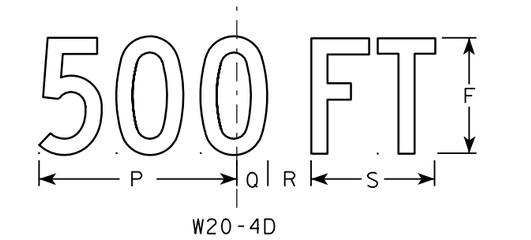
APPROVED Matthew R Rauch
for State Traffic Engineer

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

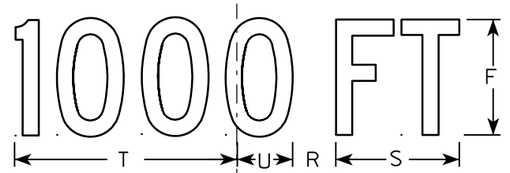
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 573	E



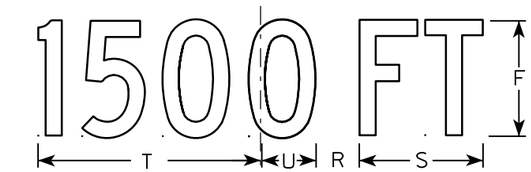
W20-4A



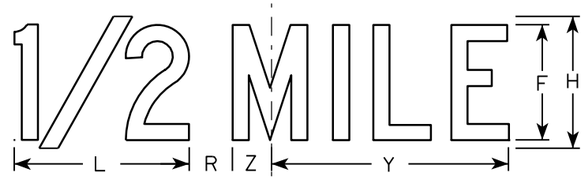
W20-4D



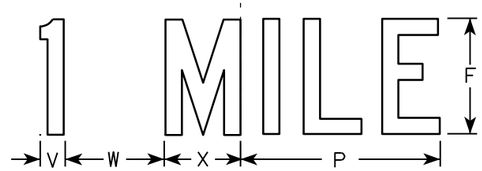
W20-4C



W20-4B



W20-4G



W20-4F

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 5/8	5/8	3/4	5	2 3/8	6	3 3/4	10 3/8	2 3/8	8	13 1/2	7	8 7/8	9	1 3/8	1 7/8	5 5/8	10 1/8	2 1/2	1 1/8	4 1/2	3 1/2	10 3/4	1 3/4	9.0
2S	48		2 1/4	3/4	1	7	3 1/8	8	5 1/4	14 5/8	3 1/4	10 5/8	17 3/4	9 3/4	12 5/8	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	14 3/8	2 3/8	16.0
2M	48		2 1/4	3/4	1	7	3 1/8	8	5 1/4	14 5/8	3 1/4	10 5/8	17 3/4	9 3/4	12 5/8	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	14 3/8	2 3/8	16.0
3	48		2 1/4	3/4	1	7	3 1/8	8	5 1/4	14 5/8	3 1/4	10 5/8	17 3/4	9 3/4	12 5/8	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	14 3/8	2 3/8	16.0
4	48		2 1/4	3/4	1	7	3 1/8	8	5 1/4	14 5/8	3 1/4	10 5/8	17 3/4	9 3/4	12 5/8	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	14 3/8	2 3/8	16.0
5	48		2 1/4	3/4	1	7	3 1/8	8	5 1/4	14 5/8	3 1/4	10 5/8	17 3/4	9 3/4	12 5/8	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	14 3/8	2 3/8	16.0

STANDARD SIGN
W20-4A, B, C, D, F & G

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/18/11 PLATE NO. W20-4.9

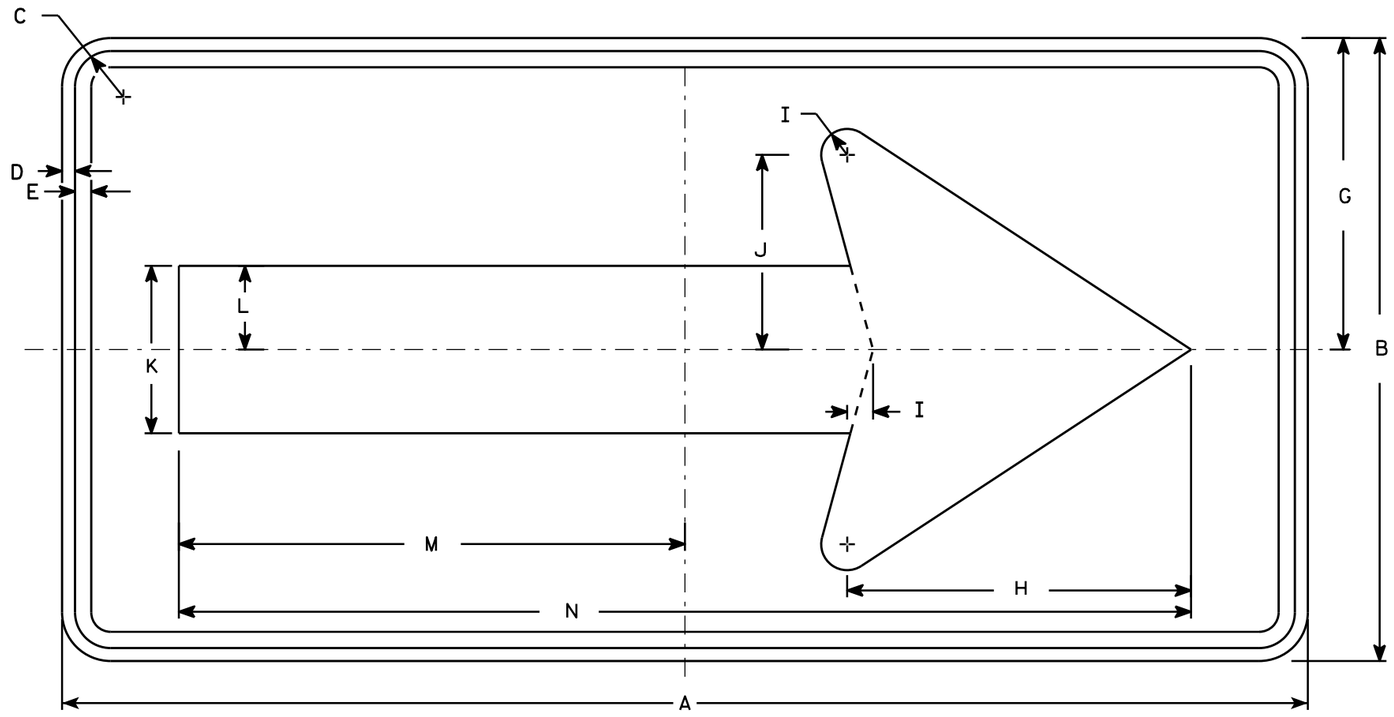
PROJECT NO:

SHEET NO: 574 E

7

FILE NAME : C:\Users\PROJECTS\tr_stdplate\W204.DGN PLOT DATE : 18-MAR-2011 12:11 PLOT BY : mscj9h

WISDOT/CADDS SHEET 42



WO1-6

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
WO1-6

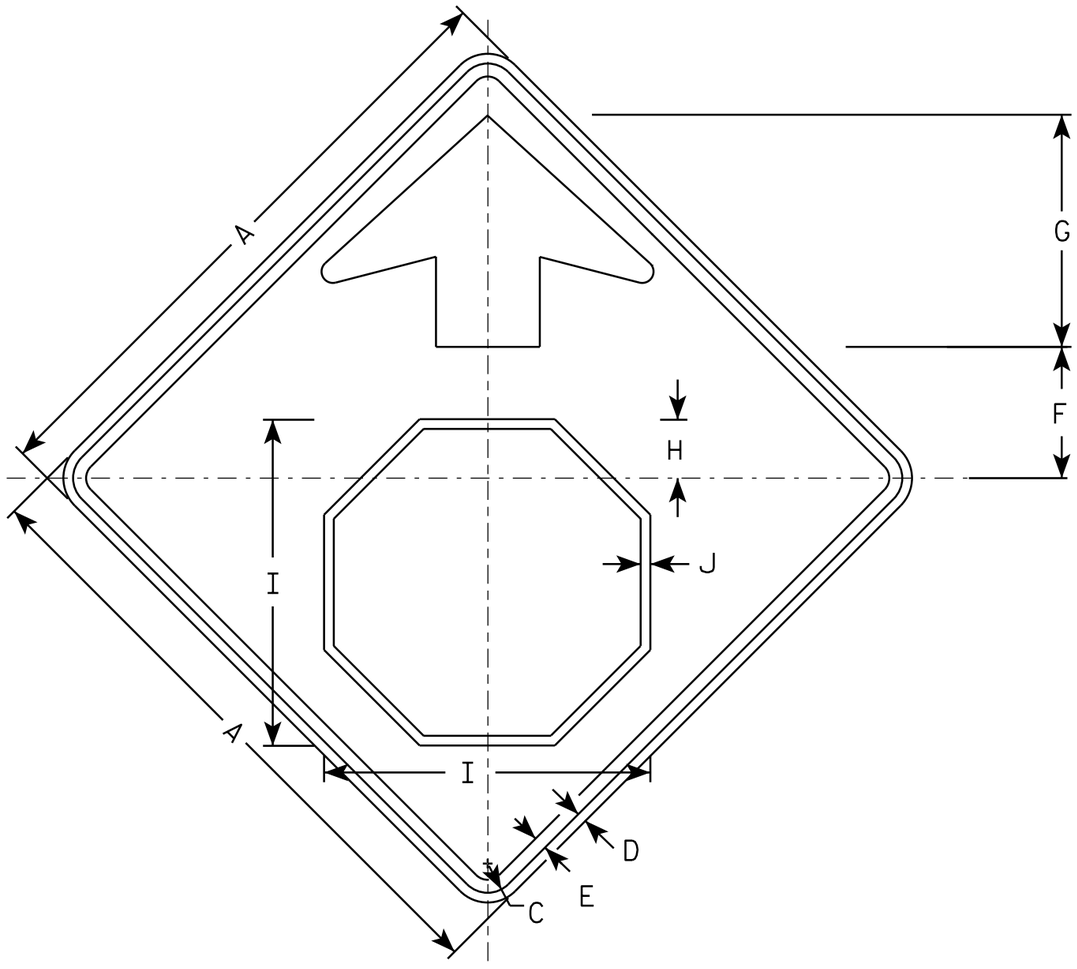
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/18/13 PLATE NO. WO1-6.1

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

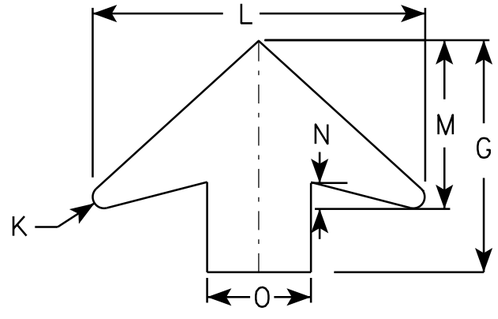
FILE NAME : C:\CAEfiles\Projects\tr_stdplate\WO16.DGN PLOT DATE : 28-FEB-2014 11:37 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 5.837526:1.000000 WISDOT/CADDS SHEET 42



W03-1

NOTES

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



ARROW DETAIL

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

STANDARD SIGN
W03-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

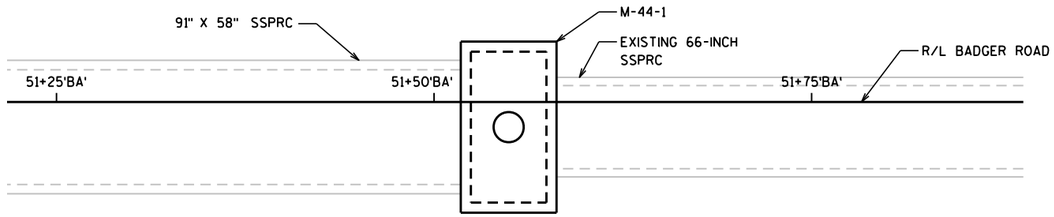
DATE 11/20/13 PLATE 576 03-1.1

PROJECT NO: | SHEET NO: E

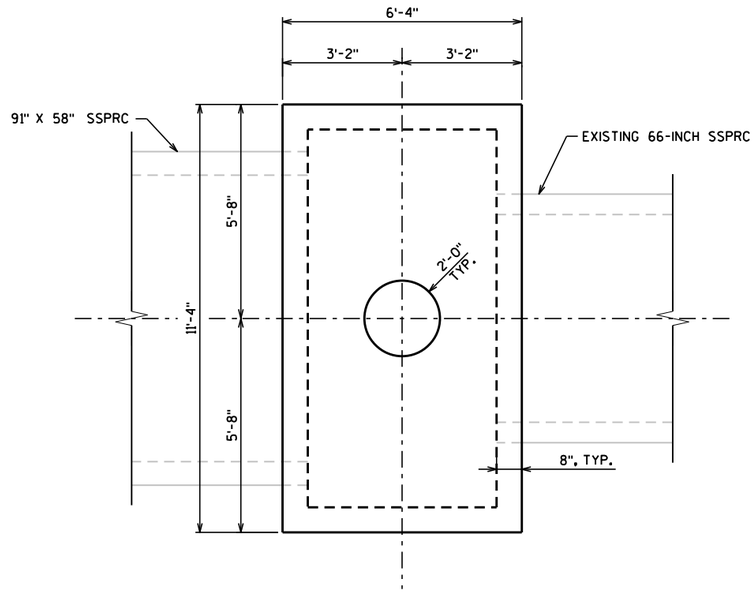
FILE NAME : C:\CAEFiles\Projects\tr_stdplate\W031.DGN PLOT DATE : 20-NOV-2013 10:54 PLOT BY : mscsja

WISDOT/CADDS SHEET 42

STATE PROJECT NUMBER
4650-08-71



PLAN VIEW



MANHOLE PLAN VIEW

DESIGN DATA

LIVE LOAD: HL93
EARTHLOAD: DESIGNED FOR 0 TO 1.25 FT OF FILL

MATERIAL STRENGTHS

CONCRETE MASONRY, GRADE A-FA ———— fc' = 3,500 P.S.I.
HIGH STRENGTH BAR STEEL RENFORCEMENT — fy = 60,000 P.S.I.

LIST OF DRAWINGS

1. GENERAL PLAN
2. WALL PANEL DETAILS
3. BOX & BAR DETAILS

BRIDGE OFFICE CONTACT

WILLIAM DREHER
(608) 266-8489

CONSULTANT CONTACT

KRISTOFER OLSON
OMNNI ASSOCIATES
(920) 735-6900

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

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

THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE.

MANHOLE FRAMES AND LIDS AND ADJUSTING RINGS ARE NOT PART OF THE STRUCTURE PORTION OF THIS PROJECT BUT ARE INCLUDED AS ROADWAY ITEMS UNDER THE GENERAL CONTRACT.

TOTAL ESTIMATED QUANTITIES

ITEM NO.	BID ITEMS	UNIT	AMOUNT
SPV.0035.02	CONCRETE MASONRY SPECIAL	CY	10
SPV.0085.01	BAR STEEL REINFORCEMENT HS SPECIAL	LB	1790

WISCONSIN
BRIAN R. EPLEY
E-42388
APPLETON
WI
PROFESSIONAL ENGINEER

6/1/2017

NO.	DATE	REVISION	BY

ORIGINAL PLANS PREPARED BY
OMNNI ASSOCIATES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

ACCEPTED William C. Dreher SDR — 08/25/17
CHIEF STRUCTURES DESIGN ENGINEER — DATE

STRUCTURE M-44-1

BADGER ROAD STA. 51+55'BA'

COUNTY	CITY
OUTAGAMIE	KAUKAUNA

DESIGN SPEC.	LOAD
AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS	HL-93

DESIGNED BY	DESIGN CK'D.	DRAWN BY	PLANS CK'D.
BRE	KRO	BRE	KRO

GENERAL PLAN

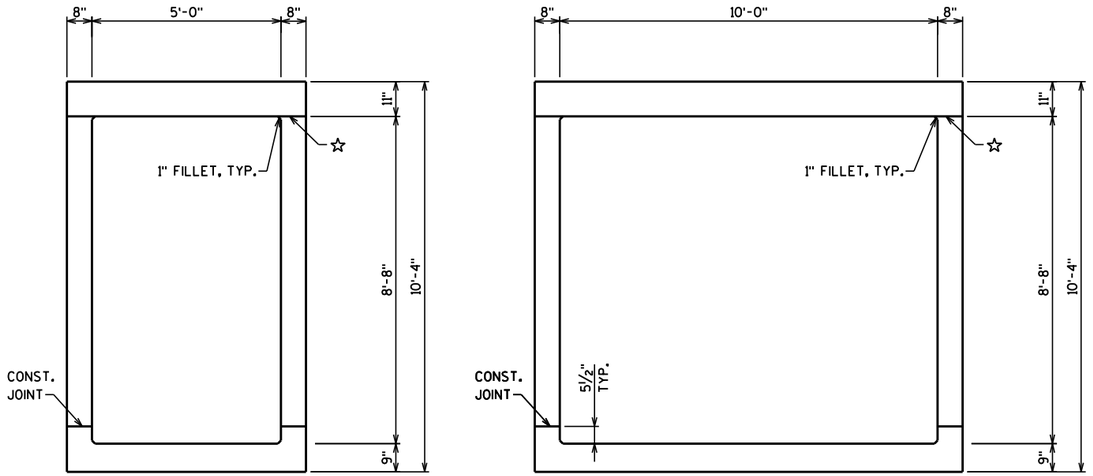
SHEET 1 OF 3

577

8

8

STATE PROJECT NUMBER
4650-08-71



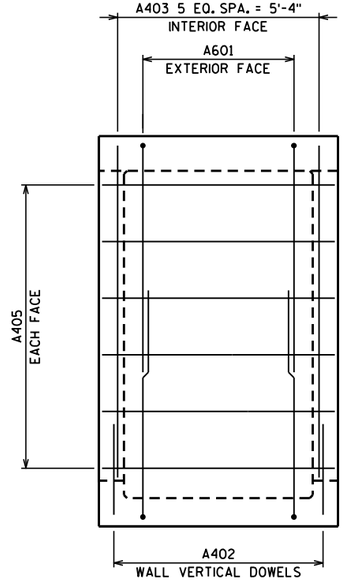
TYPICAL SECTIONS THRU BOX

NOTES

☆ OPTIONAL CONST. JOINT. OMIT 1" FILLET IF OPTIONAL CONST. JOINT IS USED.

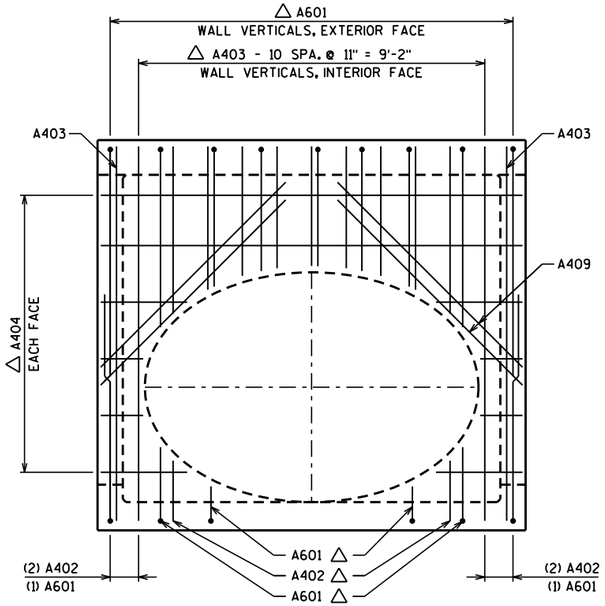
△ FIELD CUT AS NECESSARY TO PROVIDE OPENING FOR STORM SEWER PIPES OR MANHOLES.

SEE SHEET 3 FOR BAR DETAILS.



NORTH/SOUTH WALL PANEL DETAILS

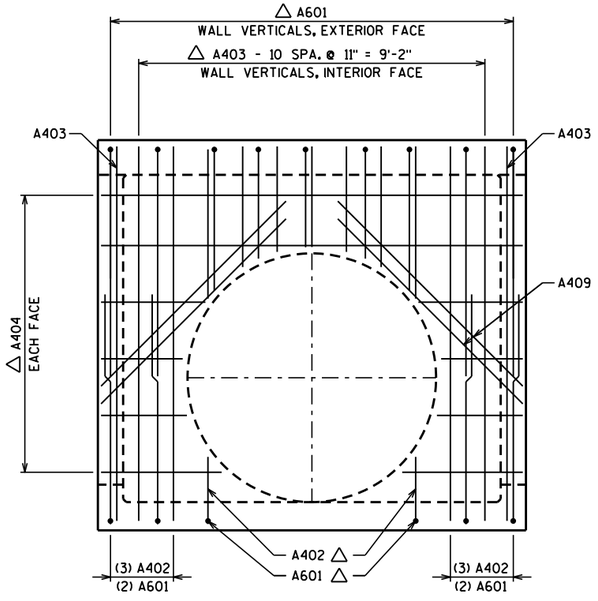
NOTE: TOP & BOTTOM SLAB REINF. NOT SHOWN FOR CLARITY



WEST WALL PANEL DETAILS

OPENING FOR 91" X 58" STORM SEWER PIPE

NOTE: TOP & BOTTOM SLAB REINF. NOT SHOWN FOR CLARITY



EAST WALL PANEL DETAILS

OPENING FOR EXISTING 66-INCH STORM SEWER PIPE

NOTE: TOP & BOTTOM SLAB REINF. NOT SHOWN FOR CLARITY

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE M-44-1

DRAWN BY MRW | PLANS CK'D. BRE

WALL PANEL DETAILS

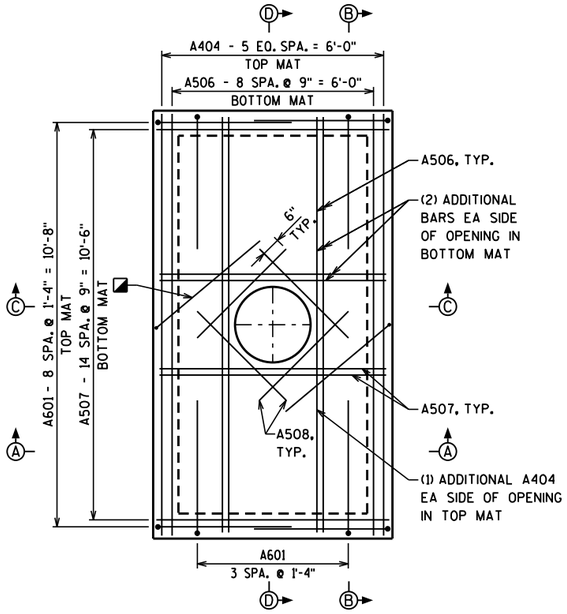
SHEET 2 OF 3

578

8

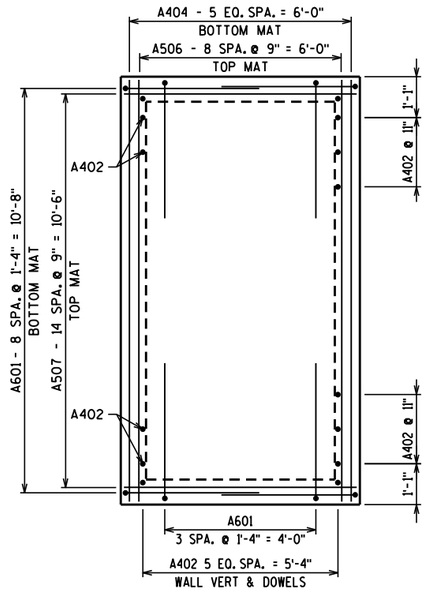
8

STATE PROJECT NUMBER
4650-08-71



REINFORCEMENT PLAN TOP SLAB

NOTE: WALL VERTICALS NOT SHOWN FOR CLARITY



REINFORCEMENT PLAN BOTTOM SLAB

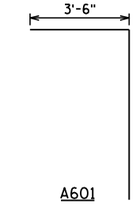
BILL OF BARS

	BAR MARK	COAT	NO. REQ'D.	LENGTH	BENT	LOCATION
△	A601		46	9'-5"	X	CORNERS
△	A402		22	2'-2"		WALLS VERTICAL DOWELS
△	A403		36	8'-9"		WALLS VERTICAL
△	A404		38	11'-0"		TOP & BOT. SLAB & WALLS HORIZ.
	A405		24	6'-0"		WALLS HORIZ.
△	A506		22	11'-0"		TOP & BOT SLAB, INTERIOR FACE
△	A507		34	6'-0"		TOP & BOT SLAB, INTERIOR FACE
	A508		4	3'-4"		TOP SLAB DIAGONALS
	A409		8	7'-0"		WALL DIAGONALS, INTERIOR FACE

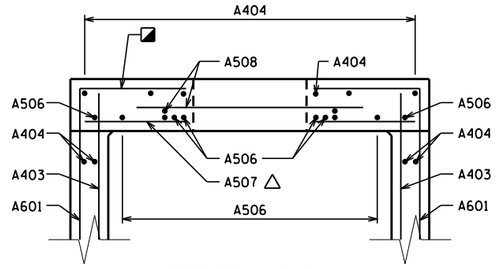
NOTES

◪ FAN BARS TO AVOID MANHOLE OPENING

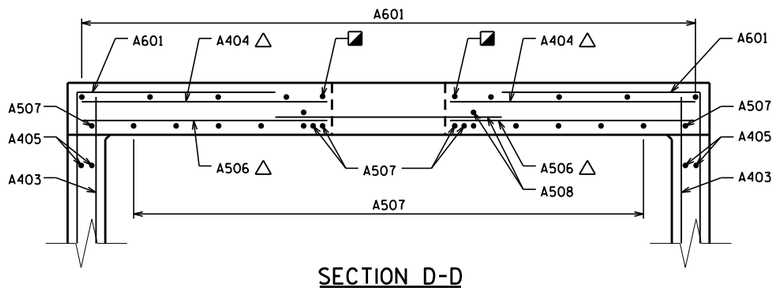
△ FIELD CUT OR FAN OUT AS NECESSARY TO PROVIDE OPENING FOR STORM SEWER PIPES OR MANHOLES.



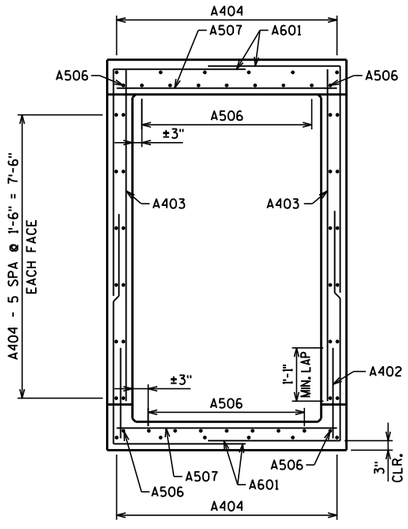
BAR BEND DIAGRAMS



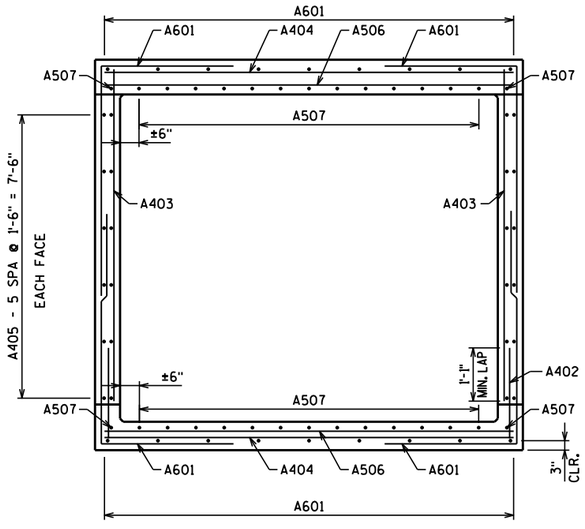
SECTION C-C



SECTION D-D



SECTION A-A



SECTION B-B

8

8

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE M-44-1

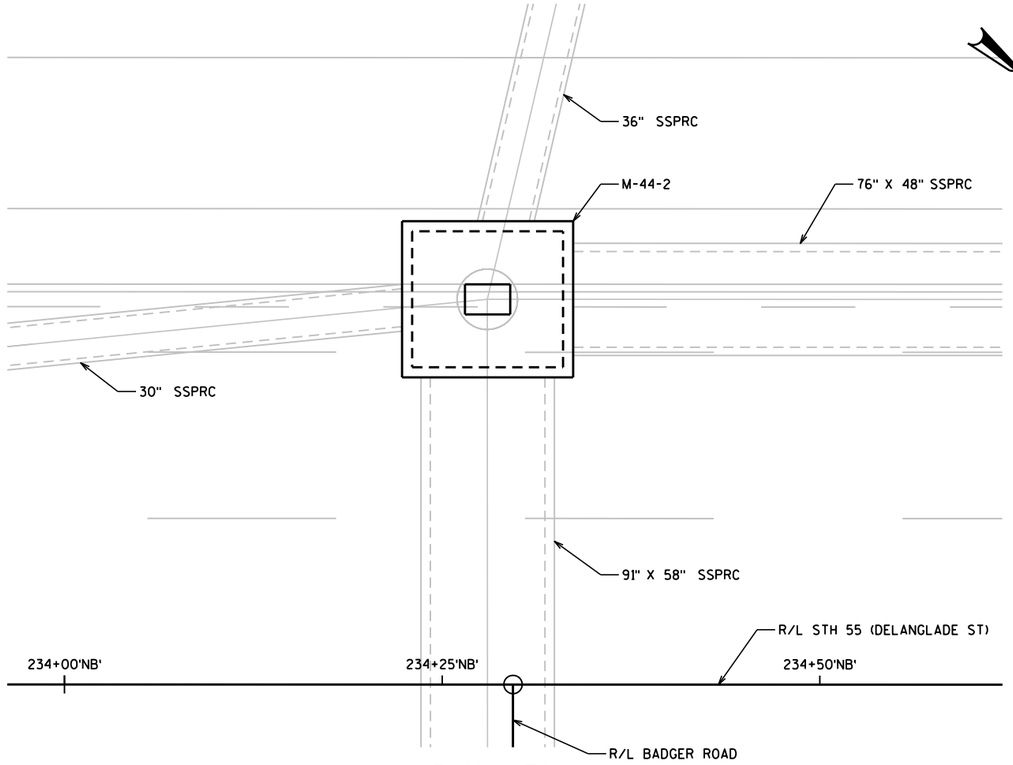
DRAWN BY MRW | PLANS CK'D. BRE

BOX & BAR DETAILS

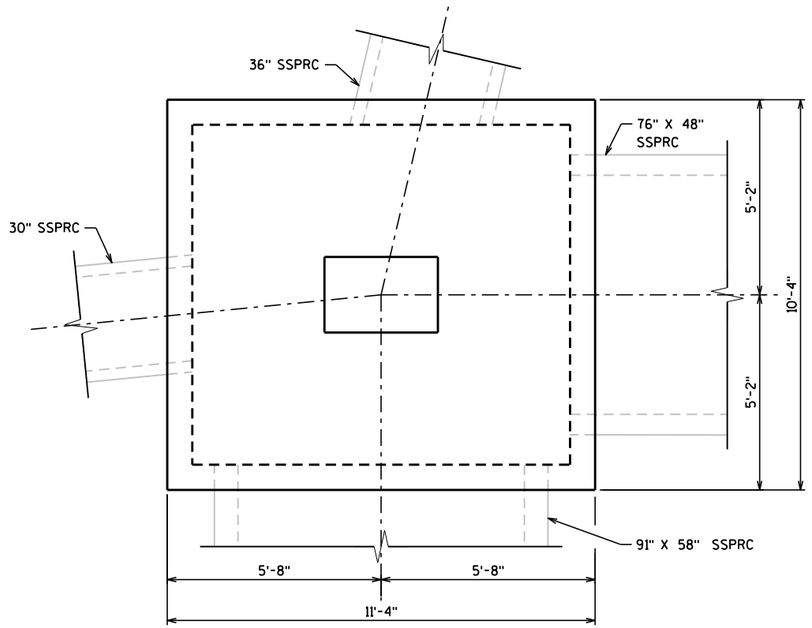
SHEET 3 OF 3

579

STATE PROJECT NUMBER
4650-08-71



PLAN VIEW



MANHOLE PLAN VIEW

DESIGN DATA

LIVE LOAD: HL93
EARTHLOAD: DESIGNED FOR 0 TO 1.0 FT OF FILL

MATERIAL STRENGTHS

CONCRETE MASONRY, GRADE A-FA ———— fc' = 3,500 P.S.I.
HIGH STRENGTH BAR STEEL RENFORCEMENT — fy = 60,000 P.S.I.

LIST OF DRAWINGS

1. GENERAL PLAN
2. WALL PANEL DETAILS
3. BOX & BAR DETAILS

BRIDGE OFFICE CONTACT

WILLIAM DREHER
(608) 266-8489

CONSULTANT CONTACT

KRISTOFER OLSON
OMNNI ASSOCIATES
(920) 735-6900

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

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

THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE.

MANHOLE FRAMES AND LIDS AND ADJUSTING RINGS ARE NOT PART OF THE STRUCTURE PORTION OF THIS PROJECT BUT ARE INCLUDED AS ROADWAY ITEMS UNDER THE GENERAL CONTRACT.

TOTAL ESTIMATED QUANTITIES

ITEM NO.	BID ITEMS	UNIT	AMOUNT
SPV.0035.02	CONCRETE MASONRY SPECIAL	CY	17
SPV.0085.01	BAR STEEL REINFORCEMENT HS SPECIAL	LB	2650

WISCONSIN
BRIAN R. EPLEY
E-42388
APPLETON
WI
PROFESSIONAL ENGINEER

6/1/2017

NO.	DATE	REVISION	BY

ORIGINAL PLANS PREPARED BY
OMNNI ASSOCIATES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
ACCEPTED William C. Dreher SDR 08/25/17
CHIEF STRUCTURES DESIGN ENGINEER DATE

STRUCTURE M-44-2

STH 55 (DELANGLADE ST) STA. 234+28'NB'

COUNTY	CITY
OUTAGAMIE	KAUKAUNA

DESIGN SPEC.	LOAD
AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS	HL-93

DESIGNED BY	DESIGN CK'D.	DRAWN BY	PLANS CK'D.
BRE	KRO	BRE	KRO

GENERAL PLAN

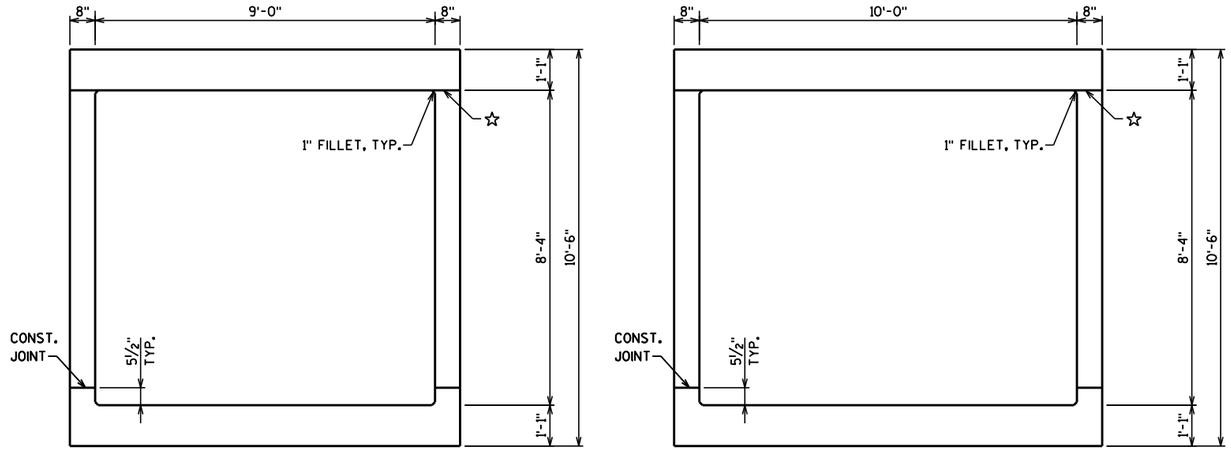
SHEET 1 OF 3

580

8

8

STATE PROJECT NUMBER
4650-08-71



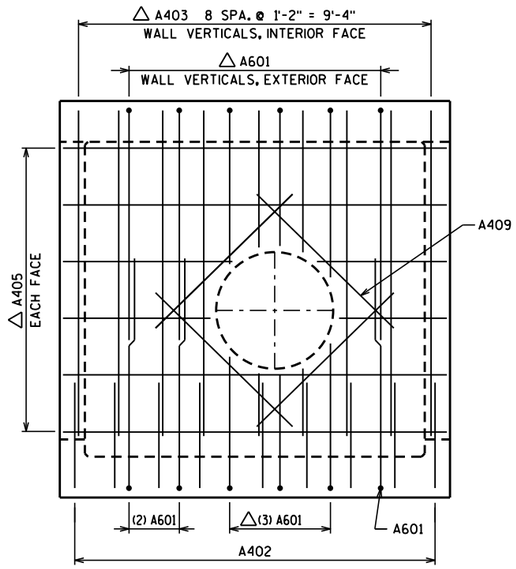
NOTES

☆ OPTIONAL CONST. JOINT. OMIT 1" FILLET IF OPTIONAL CONST. JOINT IS USED.

△ FIELD CUT AS NECESSARY TO PROVIDE OPENING FOR STORM SEWER PIPES OR MANHOLES.

SEE SHEET 3 FOR BAR DETAILS.

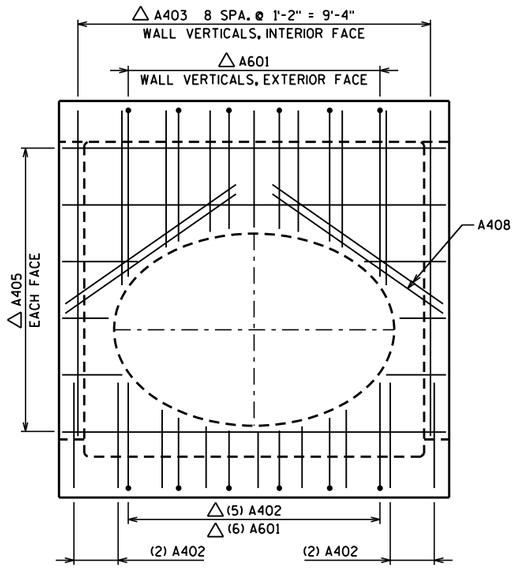
TYPICAL SECTIONS THRU BOX



EAST WALL PANEL DETAIL

OPENING FOR 30" STORM SEWER PIPE

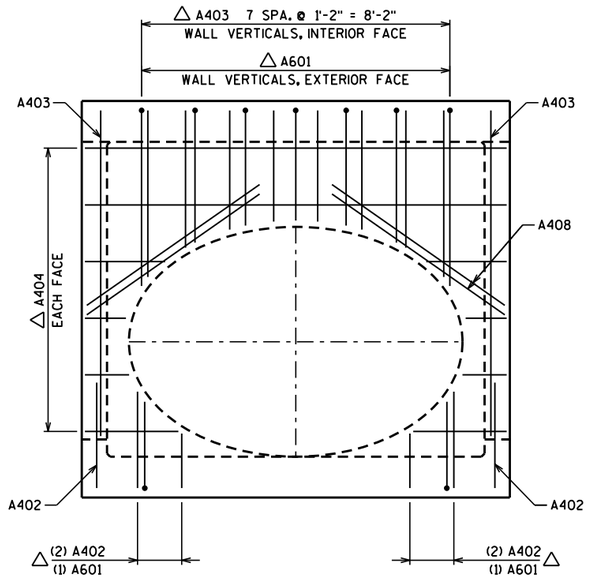
NOTE: TOP & BOTTOM SLAB REINF. NOT SHOWN FOR CLARITY



WEST WALL PANEL DETAIL

OPENING FOR 76" X 48" STORM SEWER PIPE

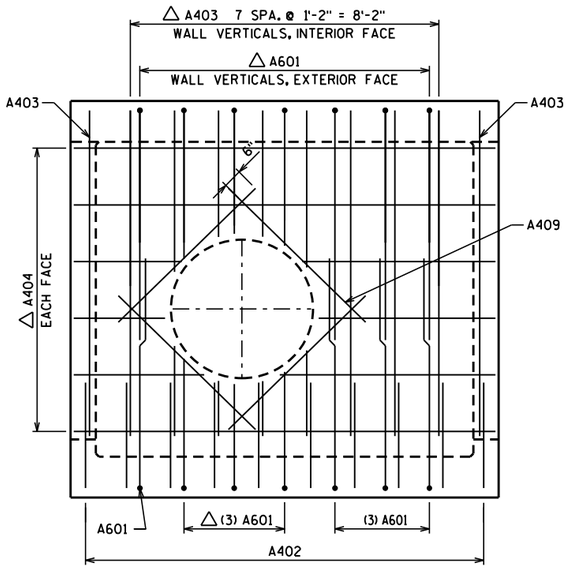
NOTE: TOP & BOTTOM SLAB REINF. NOT SHOWN FOR CLARITY



NORTH WALL PANEL DETAIL

OPENING FOR 91" X 58" STORM SEWER PIPE

NOTE: TOP & BOTTOM SLAB REINF. NOT SHOWN FOR CLARITY



SOUTH WALL PANEL DETAIL

OPENING FOR 36" STORM SEWER PIPE

NOTE: TOP & BOTTOM SLAB REINF. NOT SHOWN FOR CLARITY

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE M-44-2

DRAWN BY MRW | PLANS CK'D. BRE

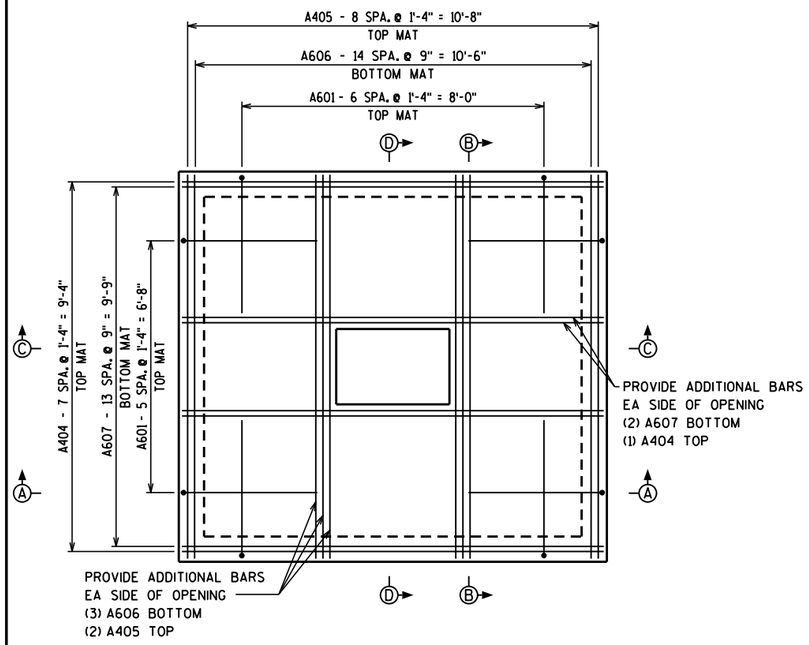
WALL PANEL DETAILS

SHEET 2 OF 3

581

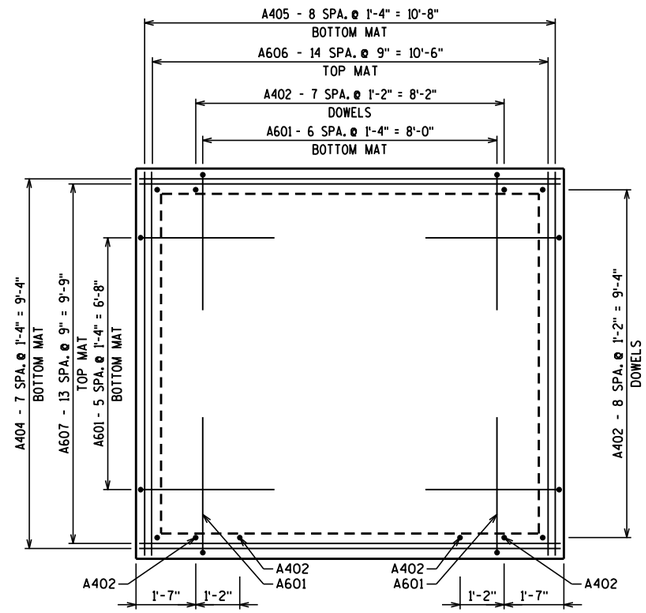
8

8



REINFORCEMENT PLAN TOP SLAB

NOTE: WALL VERTICALS NOT SHOWN FOR CLARITY



REINFORCEMENT PLAN BOTTOM SLAB

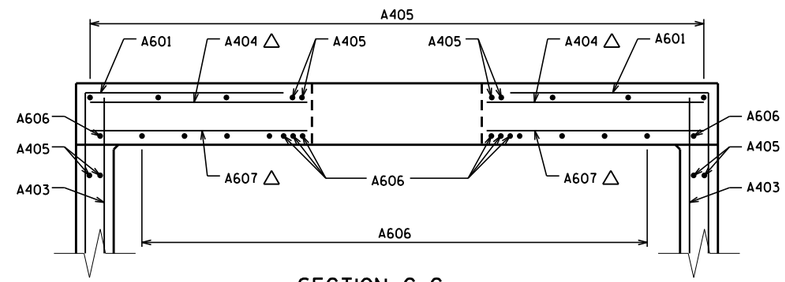
BILL OF BARS

	BAR MARK	COAT	NO. REQ'D.	LENGTH	BENT	LOCATION
△	A601		47	9'-5"	X	CORNERS
△	A402		30	2'-6"		WALLS VERTICAL DOWELS
△	A403		34	8'-7"		WALLS VERTICAL
△	A404		42	11'-0"		TOP & BOT. SLAB & WALLS HORIZ.
△	A405		46	10'-0"		TOP & BOT. SLAB & WALLS HORIZ.
△	A606		36	10'-0"		TOP & BOT SLAB, INTERIOR FACE
△	A607		32	11'-0"		TOP & BOT SLAB, INTERIOR FACE
	A408		8	5'-7"		WALL DIAGONALS, INTERIOR FACE
	A409		8	5'-1"		WALL DIAGONALS, INTERIOR FACE

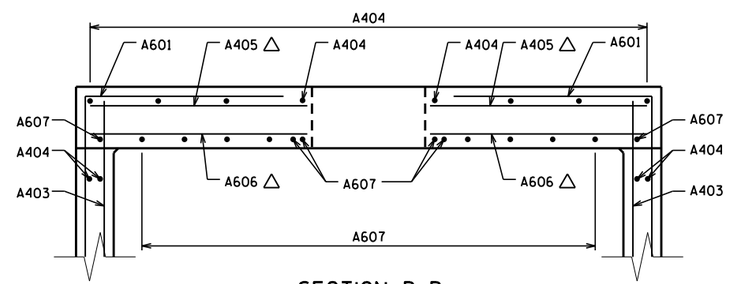
NOTES

△ FIELD CUT OR FAN OUT AS NECESSARY TO PROVIDE OPENING FOR STORM SEWER PIPES OR MANHOLES.

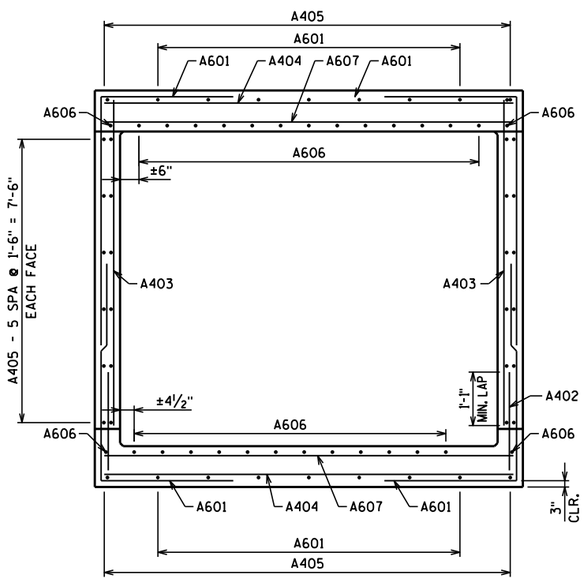
BAR BEND DIAGRAMS



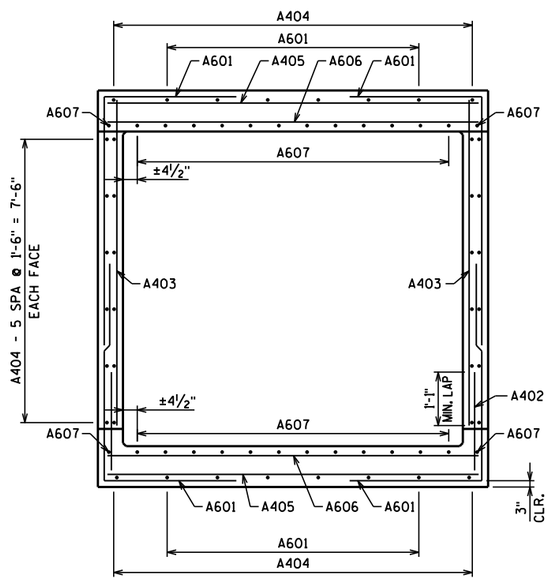
SECTION C-C



SECTION D-D



SECTION A-A



SECTION B-B

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STATE PROJECT NUMBER
4650-08-71

STRUCTURE M-44-2

DRAWN BY MRW | PLANS CK'D. BRE

BOX & BAR DETAILS

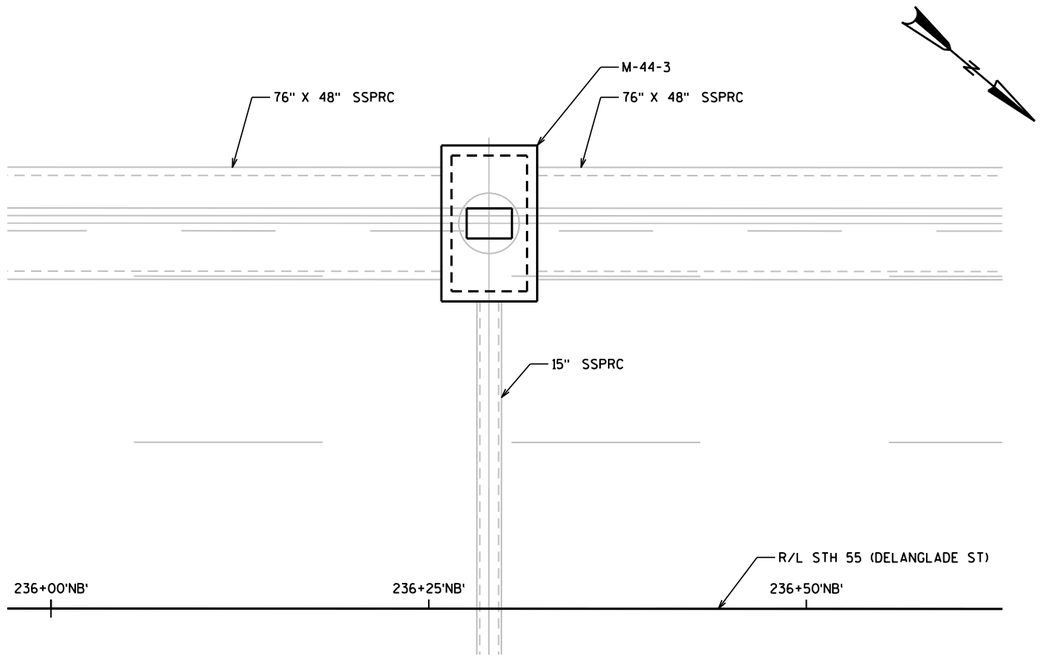
SHEET 3 OF 3

582

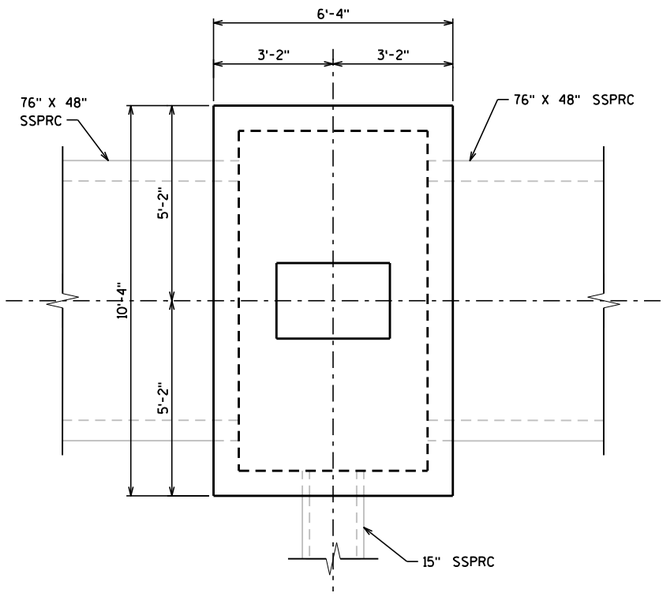
8

8

STATE PROJECT NUMBER
4650-08-71



PLAN VIEW



MANHOLE PLAN VIEW

DESIGN DATA

LIVE LOAD: HL93
EARTHLOAD: DESIGNED FOR 0 TO 1.0 FT OF FILL

MATERIAL STRENGTHS

CONCRETE MASONRY, GRADE A-FA ———— fc' = 3,500 P.S.I.
HIGH STRENGTH BAR STEEL RENFORCEMENT — fy = 60,000 P.S.I.

LIST OF DRAWINGS

1. GENERAL PLAN
2. WALL PANEL DETAILS
3. BOX & BAR DETAILS

BRIDGE OFFICE CONTACT

WILLIAM DREHER
(608) 266-8489

CONSULTANT CONTACT

KRISTOFER OLSON
OMNNI ASSOCIATES
(920) 735-6900

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

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

THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE.

MANHOLE FRAMES AND LIDS AND ADJUSTING RINGS ARE NOT PART OF THE STRUCTURE PORTION OF THIS PROJECT BUT ARE INCLUDED AS ROADWAY ITEMS UNDER THE GENERAL CONTRACT.

TOTAL ESTIMATED QUANTITIES

ITEM NO.	BID ITEMS	UNIT	AMOUNT
SPV.0035.02	CONCRETE MASONRY SPECIAL	CY	8
SPV.0085.01	BAR STEEL REINFORCEMENT HS SPECIAL	LB	1470

WISCONSIN
BRIAN R. EPLEY
E-42388
APPLETON
WI
PROFESSIONAL ENGINEER

6/1/2017

NO.	DATE	REVISION	BY

ORIGINAL PLANS PREPARED BY
OMNNI ASSOCIATES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

ACCEPTED William C. Dreher SDR 08/25/17
CHIEF STRUCTURES DESIGN ENGINEER — DATE

STRUCTURE M-44-3

STH 55 (DELANGLADE ST) STA. 236+29'NB'

COUNTY	CITY
OUTAGAMIE	KAUKAUNA

DESIGN SPEC.	LOAD
AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS	HL-93

DESIGNED BY	DESIGN CK'D.	DRAWN BY	PLANS CK'D.
BRE	KRO	BRE	KRO

GENERAL PLAN

SHEET 1 OF 3

583

8

8

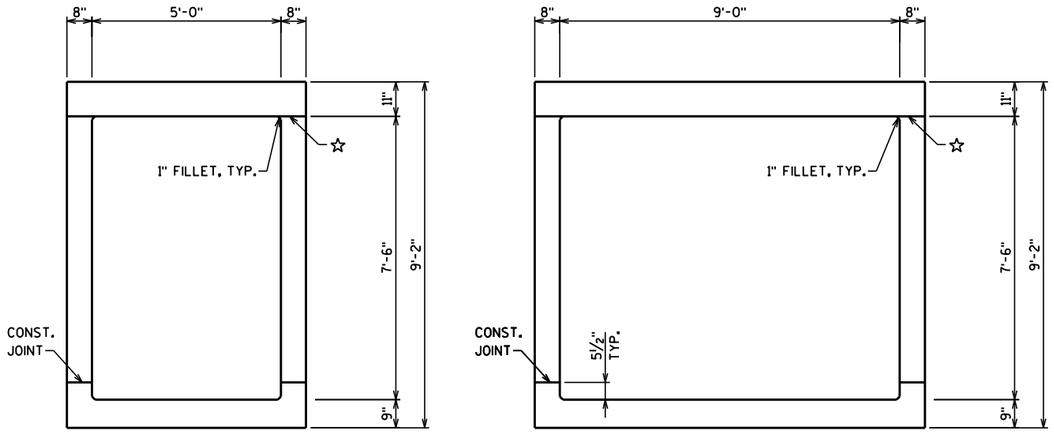
STATE PROJECT NUMBER
4650-08-71

NOTES

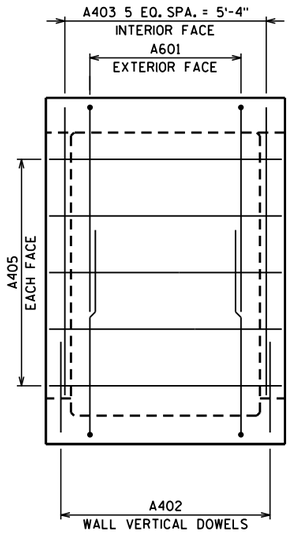
☆ OPTIONAL CONST. JOINT. OMIT 1" FILLET IF OPTIONAL CONST. JOINT IS USED.

△ FIELD CUT AS NECESSARY TO PROVIDE OPENING FOR STORM SEWER PIPES OR MANHOLES.

SEE SHEET 3 FOR BAR DETAILS.

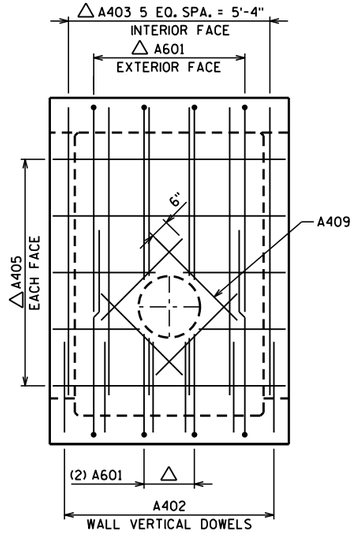


TYPICAL SECTIONS THRU BOX



SOUTH WALL PANEL DETAIL

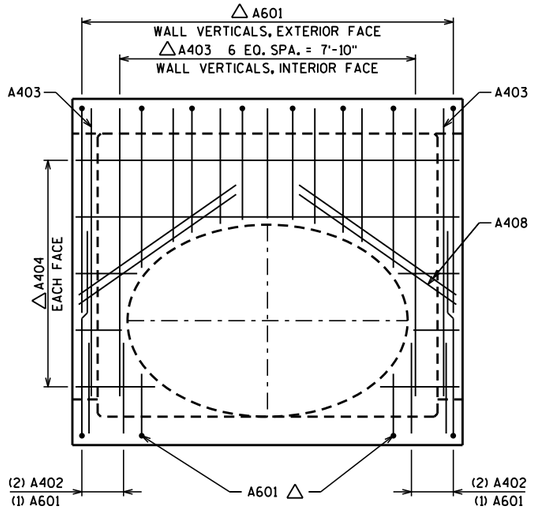
NOTE: TOP & BOTTOM SLAB REINF. NOT SHOWN FOR CLARITY



NORTH WALL PANEL DETAIL

OPENING FOR 15" STORM SEWER PIPE

NOTE: TOP & BOTTOM SLAB REINF. NOT SHOWN FOR CLARITY



EAST/ WEST WALL PANEL DETAILS

OPENING FOR 76" X 48" STORM SEWER PIPE

NOTE: TOP & BOTTOM SLAB REINF. NOT SHOWN FOR CLARITY

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE M-44-3

DRAWN BY MRW | PLANS CK'D. BRE

WALL PANEL DETAILS

SHEET 2 OF 3

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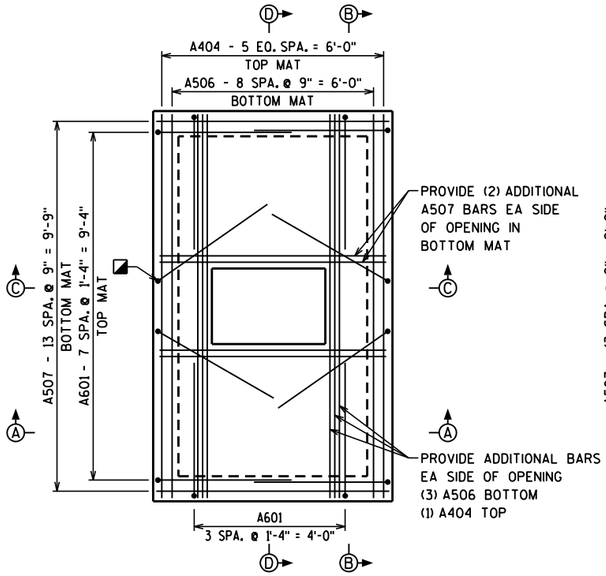
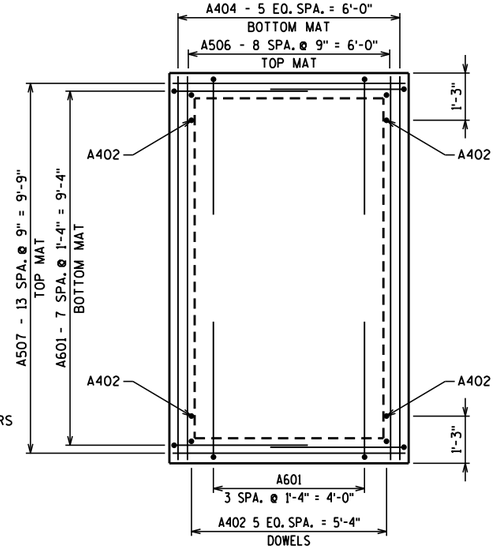
STATE PROJECT NUMBER
4650-08-71



REINFORCEMENT PLAN TOP SLAB

NOTE: WALL VERTICALS NOT SHOWN FOR CLARITY



REINFORCEMENT PLAN BOTTOM SLAB

BILL OF BARS

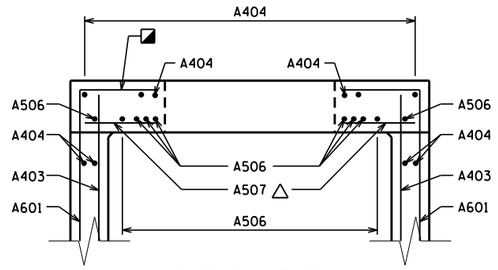
	BAR MARK	COAT	NO. REQ'D.	LENGTH	BENT	LOCATION
△	A601		40	8'-9"	X	CORNERS
△	A402		16	2'-2"		WALLS VERTICAL DOWELS
△	A403		26	7'-7"		WALLS VERTICAL
△	A404		34	10'-0"		TOP & BOT. SLAB & WALLS HORIZ.
△	A405		20	6'-0"		WALLS HORIZ.
△	A506		24	10'-0"		TOP & BOT SLAB, INTERIOR FACE
△	A507		32	6'-0"		TOP & BOT SLAB, INTERIOR FACE
	A408		8	5'-1"		WALL DIAGONALS, INTERIOR FACE
	A409		4	3'-1"		WALL DIAGONALS, INTERIOR FACE

NOTES

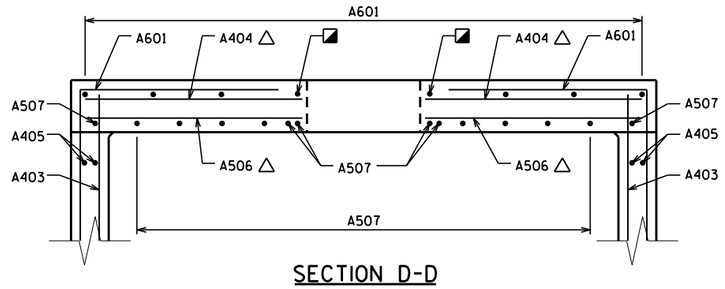
◪ FAN BARS TO AVOID MANHOLE OPENING

△ FIELD CUT OR FAN OUT AS NECESSARY TO PROVIDE OPENING FOR STORM SEWER PIPES OR MANHOLES.

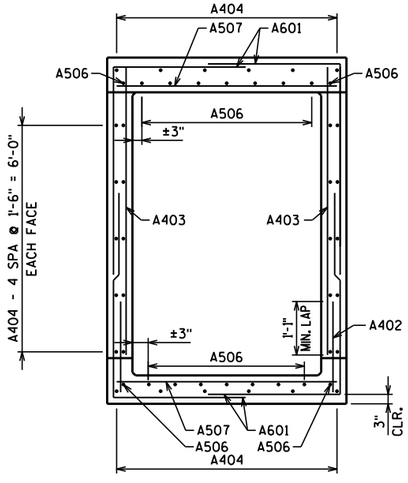
BAR BEND DIAGRAMS



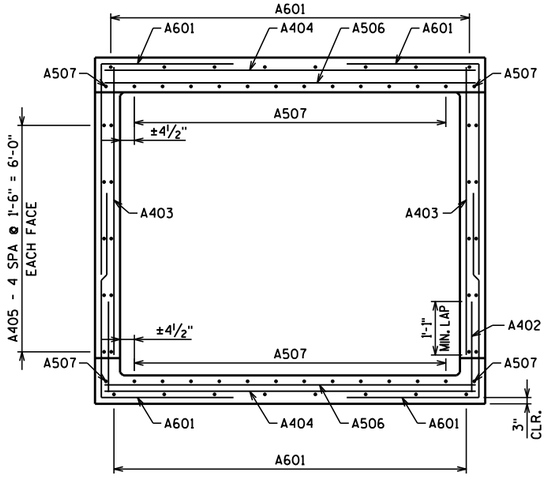
SECTION C-C



SECTION D-D



SECTION A-A



SECTION B-B

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE M-44-3

DRAWN BY MRW | PLANS CK'D. BRE

BOX & BAR DETAILS

SHEET 3 OF 3

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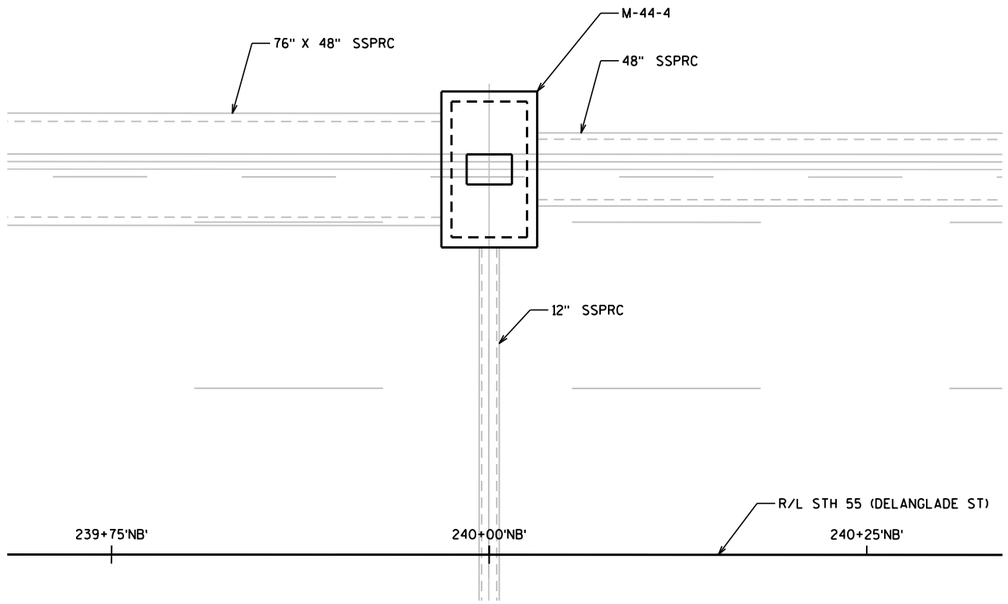
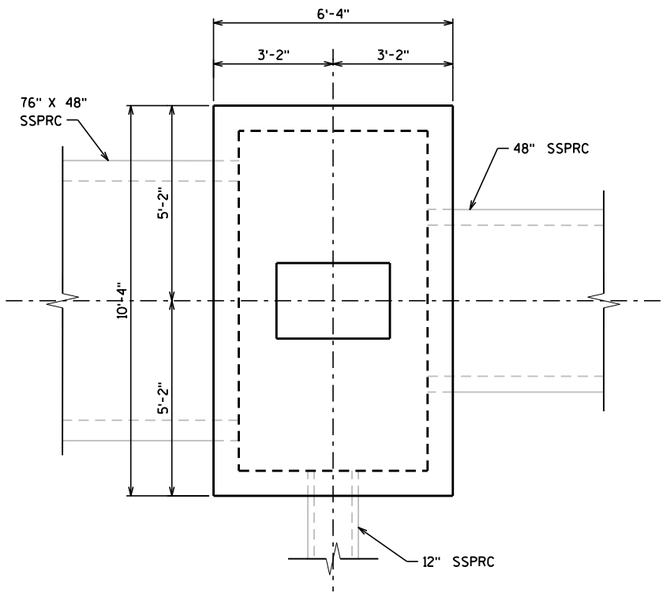
8

STATE PROJECT NUMBER
4650-08-71



PLAN VIEW



MANHOLE PLAN VIEW

DESIGN DATA

LIVE LOAD: HL93
EARTHLOAD: DESIGNED FOR 0 TO 1.0 FT OF FILL

MATERIAL STRENGTHS

CONCRETE MASONRY, GRADE A-FA ———— fc' = 3,500 P.S.I.
HIGH STRENGTH BAR STEEL RENFORCEMENT — fy = 60,000 P.S.I.

LIST OF DRAWINGS

1. GENERAL PLAN
2. WALL PANEL DETAILS
3. BOX & BAR DETAILS

BRIDGE OFFICE CONTACT

WILLIAM DREHER
(608) 266-8489

CONSULTANT CONTACT

KRISTOFER OLSON
OMNNI ASSOCIATES
(920) 735-6900

GENERAL NOTES

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MANHOLE FRAMES AND LIDS AND ADJUSTING RINGS ARE NOT PART OF THE STRUCTURE PORTION OF THIS PROJECT BUT ARE INCLUDED AS ROADWAY ITEMS UNDER THE GENERAL CONTRACT.

TOTAL ESTIMATED QUANTITIES

ITEM NO.	BID ITEMS	UNIT	AMOUNT
SPV.0035.02	CONCRETE MASONRY SPECIAL	CY	9
SPV.0085.01	BAR STEEL REINFORCEMENT HS SPECIAL	LB	1480

WISCONSIN
BRIAN R. EPLEY
E-42388
APPLETON
WI
PROFESSIONAL ENGINEER

6/1/2017

NO.	DATE	REVISION	BY

ORIGINAL PLANS PREPARED BY
OMNNI ASSOCIATES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
ACCEPTED William C. Dreher SDR 08/25/17
CHIEF STRUCTURES DESIGN ENGINEER — DATE

STRUCTURE M-44-4

STH 55 (DELANGLADE ST) STA. 240+00'NB'

COUNTY	CITY	
OUTAGAMIE	KAUKAUNA	
DESIGN SPEC. AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS		LOAD HL-93
DESIGNED BY BRE	DESIGN CK'D. KRO	DRAWN BY BRE	PLANS CK'D. KRO

GENERAL PLAN

SHEET 1 OF 3

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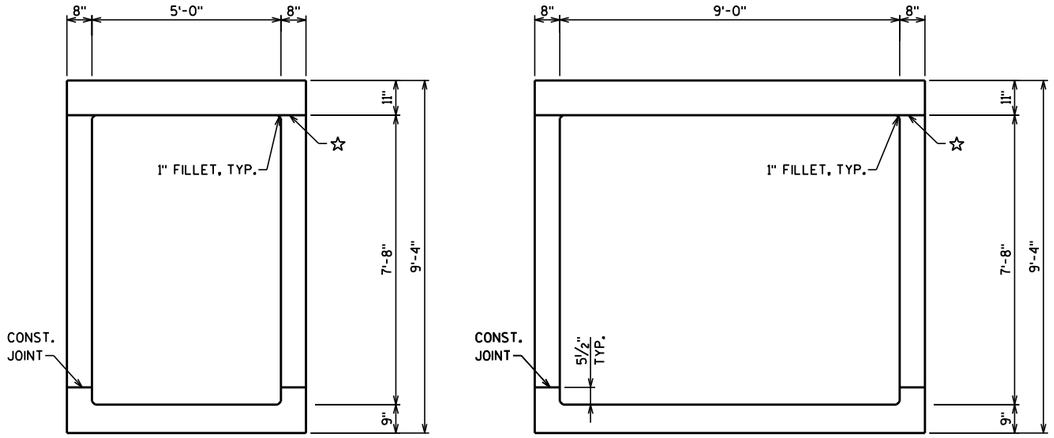
8

8

STATE PROJECT NUMBER
4650-08-71



NOTES

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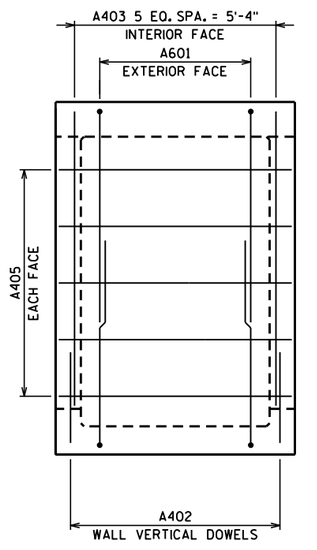
△ FIELD CUT AS NECESSARY TO PROVIDE OPENING FOR STORM SEWER PIPES OR MANHOLES.

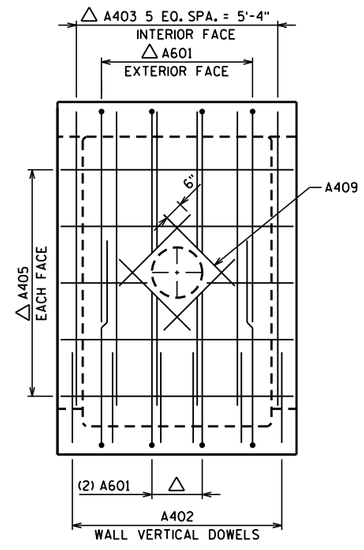
SEE SHEET 3 FOR BAR DETAILS.

TYPICAL SECTIONS THRU BOX



SOUTH WALL PANEL DETAIL

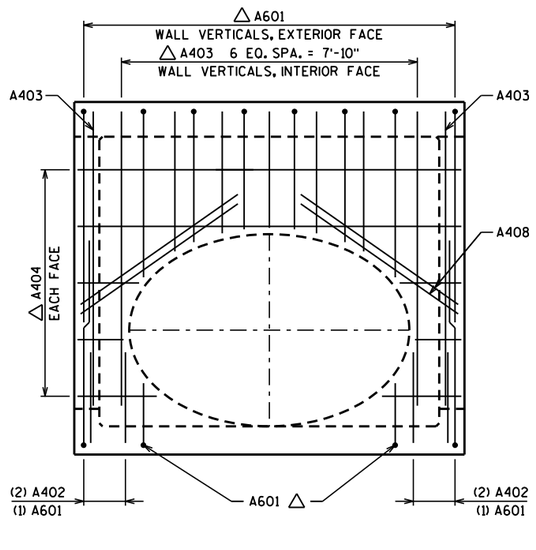
NOTE: TOP & BOTTOM SLAB REINF. NOT SHOWN FOR CLARITY



NORTH WALL PANEL DETAIL

OPENING FOR 12" STORM SEWER PIPE

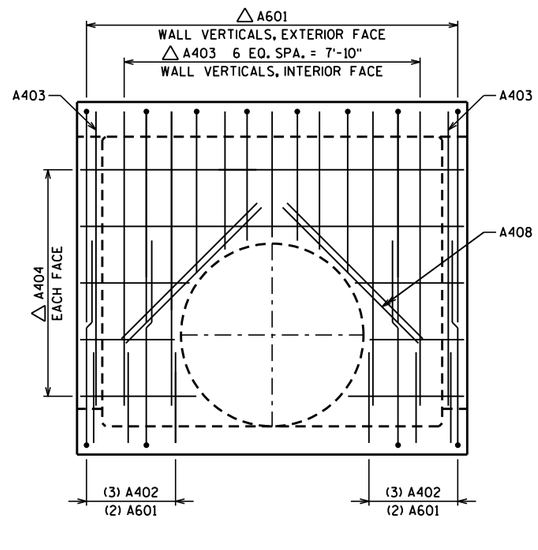
NOTE: TOP & BOTTOM SLAB REINF. NOT SHOWN FOR CLARITY



EAST WALL PANEL DETAIL

OPENING FOR 76" X 48" STORM SEWER PIPE

NOTE: TOP & BOTTOM SLAB REINF. NOT SHOWN FOR CLARITY



WEST WALL PANEL DETAIL

OPENING FOR 48" STORM SEWER PIPE

NOTE: TOP & BOTTOM SLAB REINF. NOT SHOWN FOR CLARITY

8

8

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE M-44-4

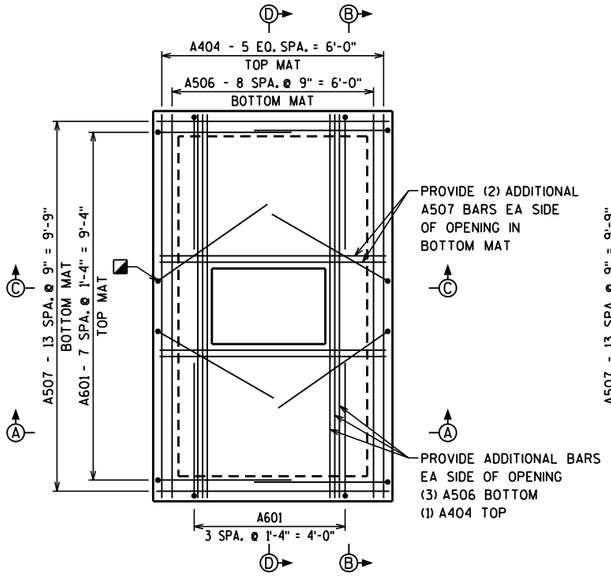
DRAWN BY MRW | PLANS CK'D. BRE

WALL PANEL DETAILS

SHEET 2 OF 3

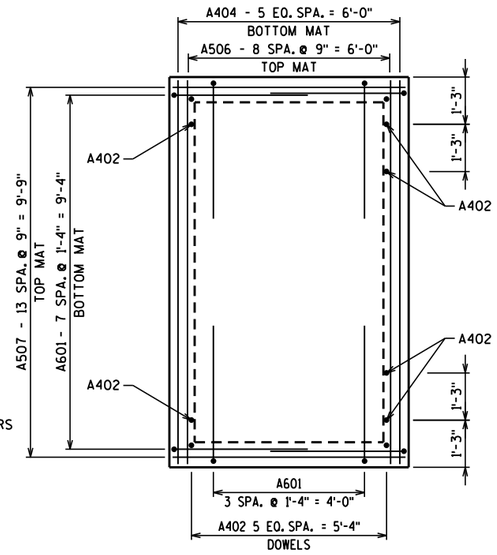
587

STATE PROJECT NUMBER
4650-08-71



REINFORCEMENT PLAN TOP SLAB

NOTE: WALL VERTICALS NOT SHOWN FOR CLARITY



REINFORCEMENT PLAN BOTTOM SLAB

BILL OF BARS

	BAR MARK	COAT	NO. REQ'D.	LENGTH	BENT	LOCATION
△	A601		40	8'-10"	X	CORNERS
△	A402		18	2'-2"		WALLS VERTICAL DOWELS
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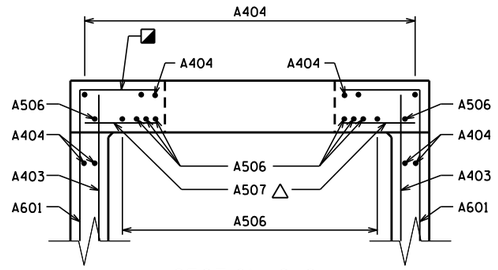
△	A404		34	10'-0"		TOP & BOT. SLAB & WALLS HORIZ.
△	A405		20	6'-0"		WALLS HORIZ.
△	A506		24	10'-0"		TOP & BOT SLAB, INTERIOR FACE
△	A507		32	6'-0"		TOP & BOT SLAB, INTERIOR FACE
	A408		8	5'-1"		WALL DIAGONALS, INTERIOR FACE
	A409		4	2'-8"		WALL DIAGONALS, INTERIOR FACE

NOTES

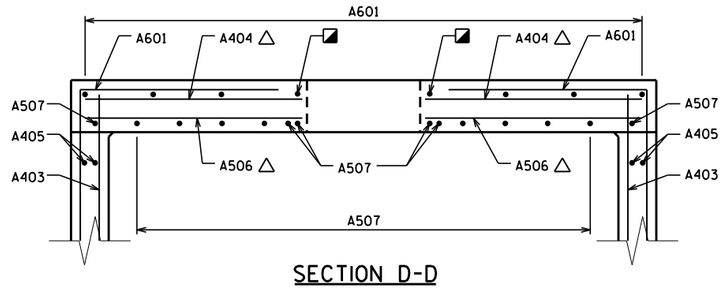
◪ FAN BARS TO AVOID MANHOLE OPENING

△ FIELD CUT OR FAN OUT AS NECESSARY TO PROVIDE OPENING FOR STORM SEWER PIPES OR MANHOLES.

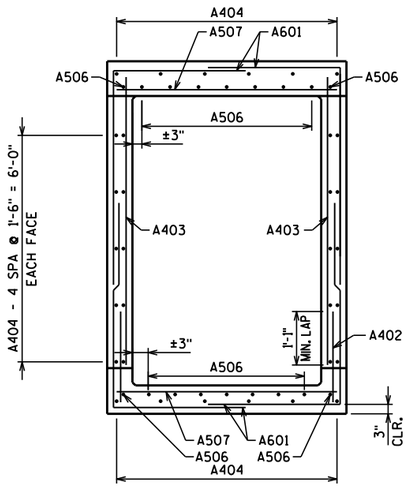
BAR BEND DIAGRAMS



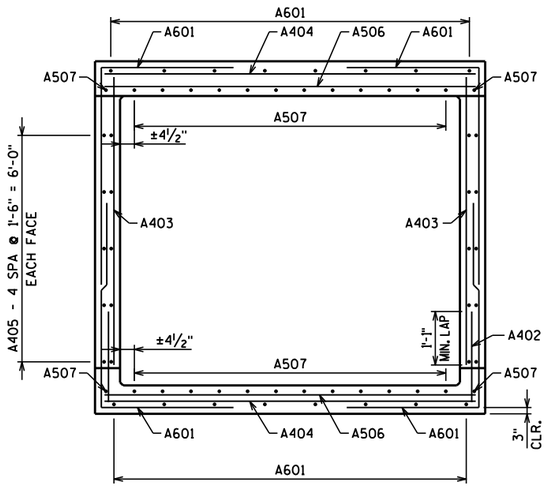
SECTION C-C



SECTION D-D



SECTION A-A



SECTION B-B

8

8

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE M-44-4

DRAWN BY MRW | PLANS CK'D. BRE

BOX & BAR DETAILS

SHEET 3 OF 3

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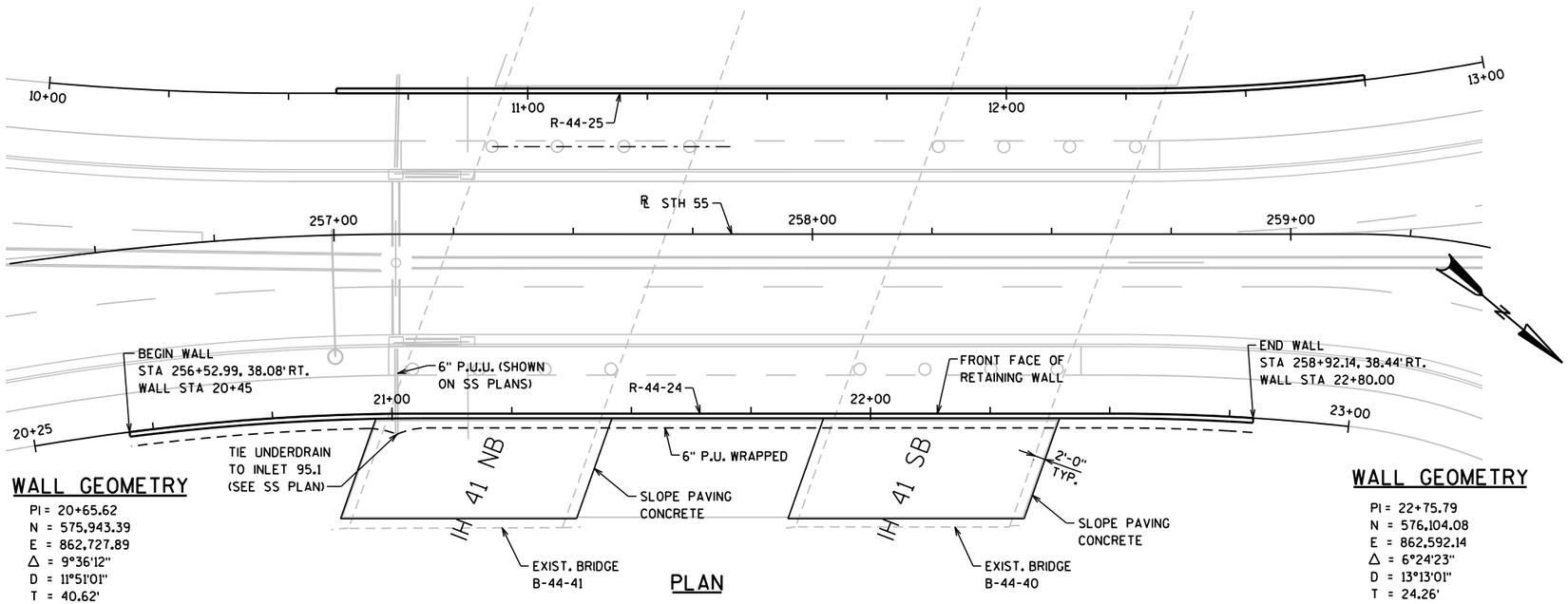


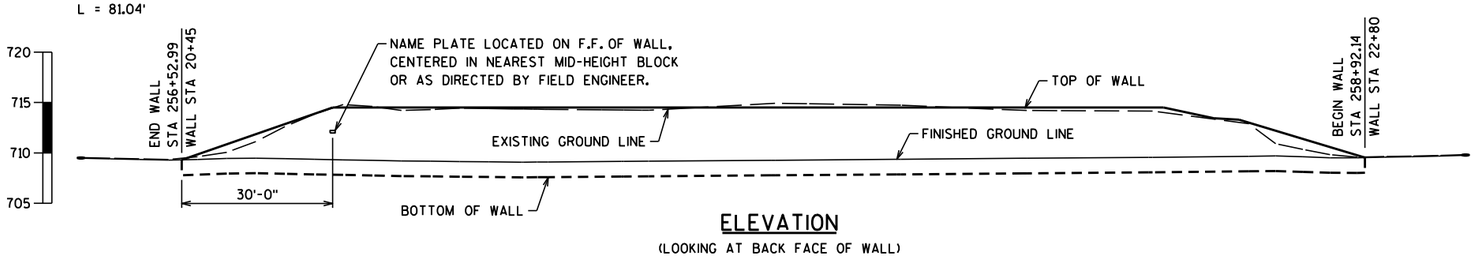
PLAN

WALL GEOMETRY

PI = 20+65.62
N = 575,943.39
E = 862,727.89
Δ = 9°36'12"
D = 11°51'01"
T = 40.62'
R = 483.50'
L = 81.04'

WALL GEOMETRY

PI = 22+75.79
N = 576,104.08
E = 862,592.14
Δ = 6°24'23"
D = 13°13'01"
T = 24.26'
R = 433.50'
L = 48.47'



ELEVATION

(LOOKING AT BACK FACE OF WALL)

GEOMETRY TABLE

ROADWAY STATIONING	STATIONING ALONG FF OF WALL	OFFSET FACE OF WALL FROM REF. LINE (FT)	TOP OF WALL ELEVATION	BOTTOM OF WALL ELEVATION	FINISHED GROUND LINE ELEVATION
256+52.99	20+45.00	38.08	709.63	708.13	709.63
256+58.30	20+50.00	38.00	710.32	708.08	709.58
256+85.08	20+75.00	37.75	713.80	707.85	709.35
257+12.01	21+00.00	37.53	714.50	707.66	709.16
257+37.16	21+25.00	37.50	714.50	707.64	709.14
257+62.16	21+50.00	37.50	714.50	707.74	709.24
257+87.16	21+75.00	37.50	714.50	707.84	709.34
258+12.16	22+00.00	37.50	714.50	707.93	709.43
258+37.16	22+25.00	37.50	714.50	708.03	709.53
258+52.16	22+40.00	37.50	714.50	708.09	709.59
258+62.16	22+50.00	37.50	713.35	708.15	709.65
258+67.16	22+55.00	37.51	712.77	708.17	709.67
258+87.15	22+75.00	38.14	710.46	708.33	709.83
258+92.14	22+80.00	38.44	709.89	708.39	709.89

TOTAL ESTIMATED QUANTITIES

209.1100	BACKFILL GRANULAR GRADE 1	15 CY
604.0400	SLOPE PAVING CONCRETE	245 SY
612.0406	PIPE UNDERDRAIN WRAPPED 6-INCH	500 LF
SPV.0165	WALL MODULAR BLOCK GRAVITY R-44-24 *	1,405 SF

*SOME BLOCKS WITH A DEPTH GREATER THAN 24 INCHES WILL BE REQUIRED. DEPTH IS THE DISTANCE FROM FRONT FACE TO BACK FACE OF THE BLOCK.

WISCONSIN
KRISTOFER R. OLSON
E-35236
APPLETON, WI
PROFESSIONAL ENGINEER

8/24/17

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

GROUND LINE ELEVATIONS ARE SUBJECT TO THE APPROVAL OF THE ENGINEER.

LENGTH OF RETAINING WALL IS MEASURED ALONG THE FRONT FACE.

WALL GEOMETRY AND OFFSETS ARE MEASURED TO THE FRONT FACE OF RETAINING WALL AT THE FINISHED GRADE.

CONSTRUCT WALL IN SHORT SECTIONS AND LIMIT OPEN EXCAVATION FOR THE MODULAR BLOCK WALL UNDER THE EXISTING BRIDGE TO A MAXIMUM WIDTH OF 20 FEET, ALONG THE LENGTH OF THE WALL.

THE UPPER LIMITS OF EXCAVATION SHALL BE THE EXISTING GROUNDLINE. EXCAVATION IS INCLUDED WITH ITEM "WALL MODULAR BLOCK GRAVITY R-44-24".

BACKFILL PAY LIMITS. BACKFILL BEYOND BACKFILL PAY LIMITS SHALL BE INCIDENTAL TO EXCAVATION FOR STRUCTURES. LIMITS OF EXCAVATION SHALL BE DETERMINED BY THE CONTRACTOR.

MODULAR BLOCKS SHALL BE LARGE WETCAST BLOCKS.

THE COLOR OF THE BLOCK SHALL BE MEDIUM TAN, (FEDERAL STANDARD COLOR NO. 33446) OR SIMILAR COLOR APPROVED BY THE ENGINEER.

DESIGN DATA

THE CONTRACTOR SHALL PROVIDE COMPLETE DESIGN, PLANS, DETAILS, SPECIFICATIONS AND SHOP DRAWINGS FOR THE RETAINIG WALLS IN ACCORDANCE WITH THE SPECIAL PROVISIONS. THE RETAINING WALL MANUFACTURER SHALL PROVIDE TECHNICAL ASSISTANCE TO THE CONTRACTOR DURING CONSTRUCTION. THE COST OF FURNISHING THESE ITEMS SHALL BE INCLUDED IN THE BID ITEM "WALL MODULAR BLOCK GRAVITY R-44-24".

PLANS, ELEVATIONS AND DETAILS SHOWN ON THESE DRAWINGS ARE INTENDED TO INDICATE WALL LOCATIONS, LENGTHS, HEIGHTS AND DETAILS COMMON TO THE WALL SYSTEM SELECTED. THE CONTRACTOR SHALL VERIFY THAT THE WALL SYSTEM SELECTED WILL CONFORM TO THE REQUIRED ALIGNMENTS AND DETAILS.

THE RETAINING WALL SHALL BE DESIGNED USING THE ELEVATIONS GIVEN ON SHEET 1. DESIGN FOR RETAINING WALL TO PROVIDE FOR FINISHED GRADE SLOPED BEHIND WALL AS SHOWN ON THE ROADWAY CROSS SECTIONS.

DESIGN RETAINING WALL FOR A LIVE LOAD SURCHARGE OF 100 PSF.

LIST OF DRAWINGS

1. GENERAL PLAN
2. SECTIONS & DETAILS
3. SLOPE PAVING CONCRETE
4. SUBSURFACE EXPLORATION

BRIDGE OFFICE CONTACT

BILL DREHER
(608) 266-8489

CONSULTANT CONTACT

KRISTOFER OLSON
OMNNI ASSOCIATES
(920) 735-6900

STATE PROJECT NUMBER
4650-08-71

NO.	DATE	REVISION	BY

ORIGINAL PLANS PREPARED BY
OMNNI ASSOCIATES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
ACCEPTED William C. Dreher SDR 08/25/17
CHIEF STRUCTURES DESIGN ENGINEER DATE

STRUCTURE R-44-24

RETAINING WALL EAST OF STH 55

COUNTY OUTAGAMIE | CITY KAUKAUNA

DESIGN SPEC. AASHTO LRFD DESIGN SPECIFICATIONS

DESIGNED BY	BRE	DESIGN CK'D.	KRO	DRAWN BY	BRE	PLANS CK'D.	KRO

GENERAL PLAN

SHEET 1 OF 4

589

8

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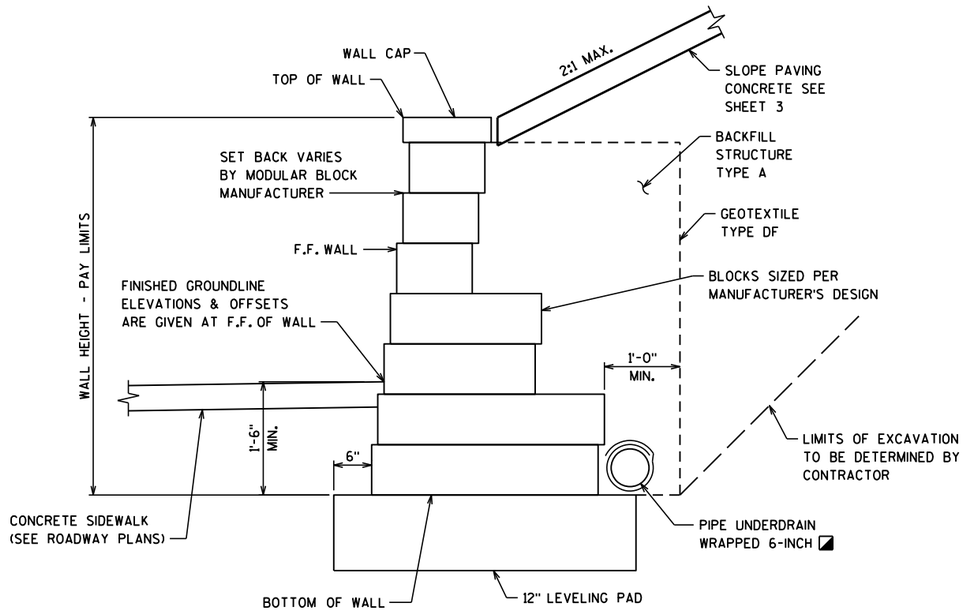
STATE PROJECT NUMBER

4650-08-71



SECTION THRU WALL MODULAR BLOCK

REMOVE ANY UNSUITABLE MATERIAL UNDER THE LEVELING PAD AS DIRECTED BY THE ENGINEER AND REPLACE WITH GRANULAR BACKFILL GRADE 1. OVEREXCAVATION IS INCLUDED IN THE BID ITEM GRANULAR BACKFILL GRADE 1.

SOIL PARAMETERS

Soil Description	Friction Angle (degrees)	Cohesion (psf)	Unit Weight (pcf)
Fill, granular Retained Soil (Behind the Wall)	32	0	120
HA 4 (28' RT) and HA 9 (35' RT) – Approx. STA. 258+60			
Lean Clay (Fill – HA9) Elevation 713.4 ft. – 709.4 ft.	5	500	125
Lean Clay with Sand (Fill – HA 4) Elevation 709.4 ft. – 706.0 ft.	10	250	120
Lean Clay, trace gravel (HA 4)) Elevation 706.0 ft. – 701.0 ft.	10	500	125
Lean Clay with Silt and a little Sand* Elevation 701.0 ft. – 680.0 ft.	10	1500	125
HA5 (28' RT) and HA 10 (35' RT) – Approx. STA. 257+60			
Lean Clay with Sand (Fill – HA 10) Elevation 713.4 ft. – 710.8 ft.	10	1000	125
Lean Clay with Silt (Fill – HA 10) Elevation 710.8 ft. – 708.8 ft.	5	1500	125
Lean Clay with Sand (Fill – HA 5) Elevation 708.8 ft. – 705.3 ft.	10	500	125
Lean Clay trace Gravel (HA 5) Elevation 705.3 ft. – 701.3 ft.	5	500	125
Lean Clay, with Silt and a little Sand* Elevation 701.3 ft. – 680.0 ft.	10	1500	125
HA6 (28' RT) and HA 10 (35' RT) – Approx. STA. 257+00			
Lean Clay with Sand (Fill – HA 10) Elevation 713.4 ft. – 710.8 ft.	10	1000	125
Lean Clay with Silt (Fill – HA 10) Elevation 710.8 ft. – 708.8 ft.	5	1500	125
Sand with Clay with little Silt (Fill – HA6) Elevation 708.8 ft. – 706.8 ft.	30	0	125
Lean Clay, with Sand (Fill – HA6) Elevation 706.8 ft. – 705.8 ft.	10	1000	125
Lean Clay Elevation 705.8 ft. – 703.8 ft.	5	1500	125
Lean Clay with Silt and a little Sand* Elevation 703.8 ft. - 680.0 ft.	10	1500	125

* Based on WisDOT structure borings for B-44-40 and B-44-41, these soils parameters were applicable to soils conditions beyond depths noted and were used for global stability determination.

WALL EXTERNAL STABILITY EVALUATION

Dimensions	
Wall Height[1] (feet)	7
Exposed Wall Height (feet)	5.5
Hand Auger Boring Location Used	HA5 and HA10
Approximate Station	258+00
Back slope above wall	2H/1V
Safety Factors	
Global Stability ($CDR_{req} \geq 1.0$)	1.1
Bearing Capacity ($CDR_{req} \geq 1.0$)	6.1
Sliding ($CDR_{req} \geq 1.0$)	1.1
Eccentricity ($CDR_{req} \geq 1.0$)	1.3
Factored Bearing Resistance	15,800

1. Wall height includes a minimum embedment depth of 1½ feet
2. CDR_{req} given in Chapter 14 of the Bridge Manual.
3. The w all stability calculation included a live load of 100 psf per WDOT Bridge Manual.
4. Wall depth of 3 feet and no batter assumed.

NOTES

◪ PIPE UNDERDRAIN WRAPPED (6-INCH). SLOPE 0.5% MIN. DRAIN TO INLET 95.1 (SEE SS PLANS). ATTACH PERMANENT PLUG AT HIGH END.

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NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE R-44-24

DRAWN BY BRE | PLANS CK'D. KRO

SECTIONS & DETAILS

SHEET 2 OF 4

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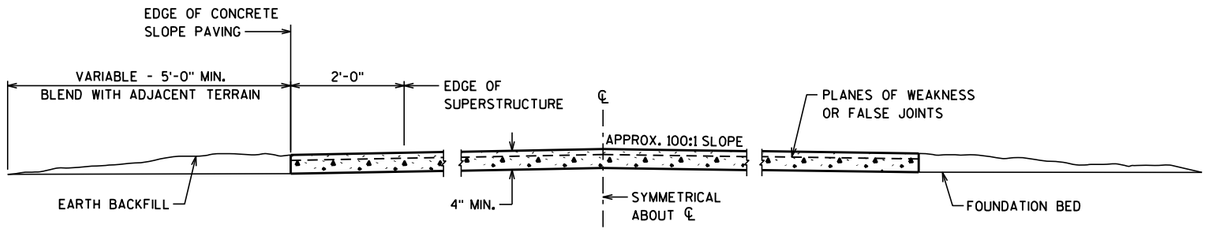
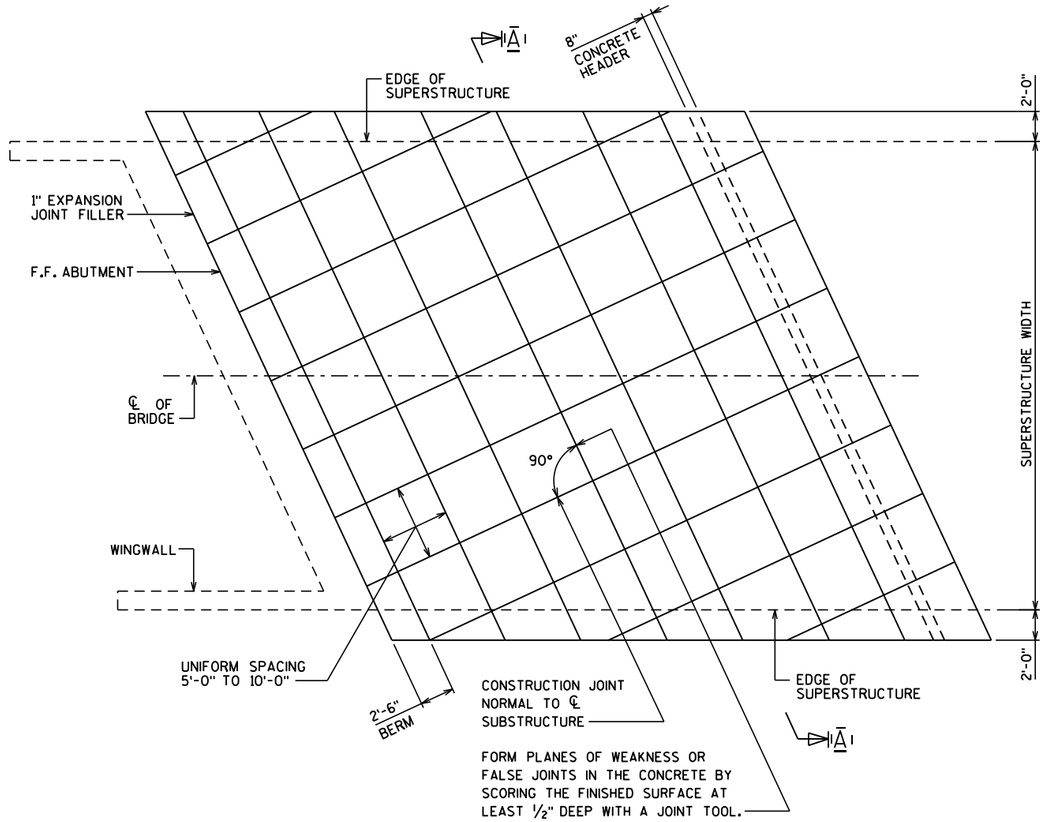
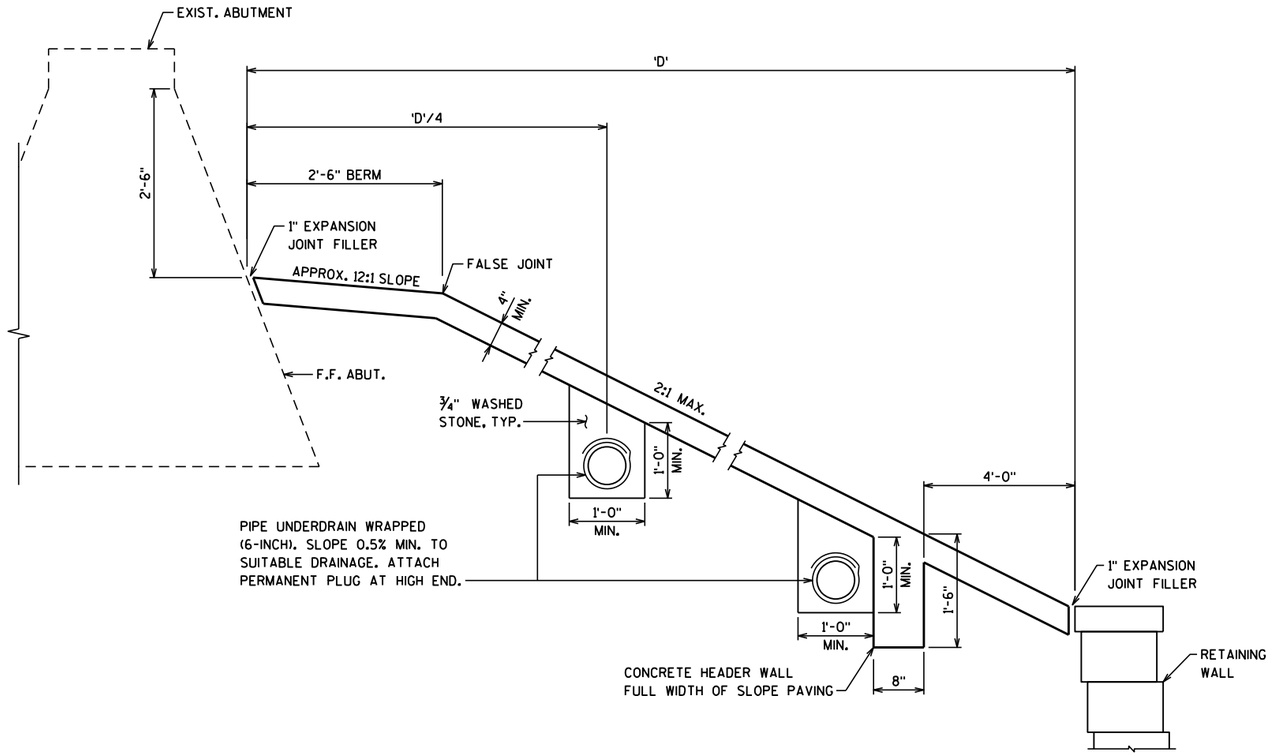
STATE PROJECT NUMBER
4650-08-71



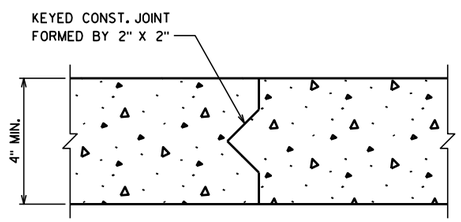
SECTION A-A



CONSTRUCTION JOINT DESIGN



TYPICAL SECTION



CONSTRUCTION JOINT

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE R-44-24

DRAWN BY BRE | PLANS CK'D. KRO

SLOPE PAVING CONCRETE

SHEET 3 OF 4

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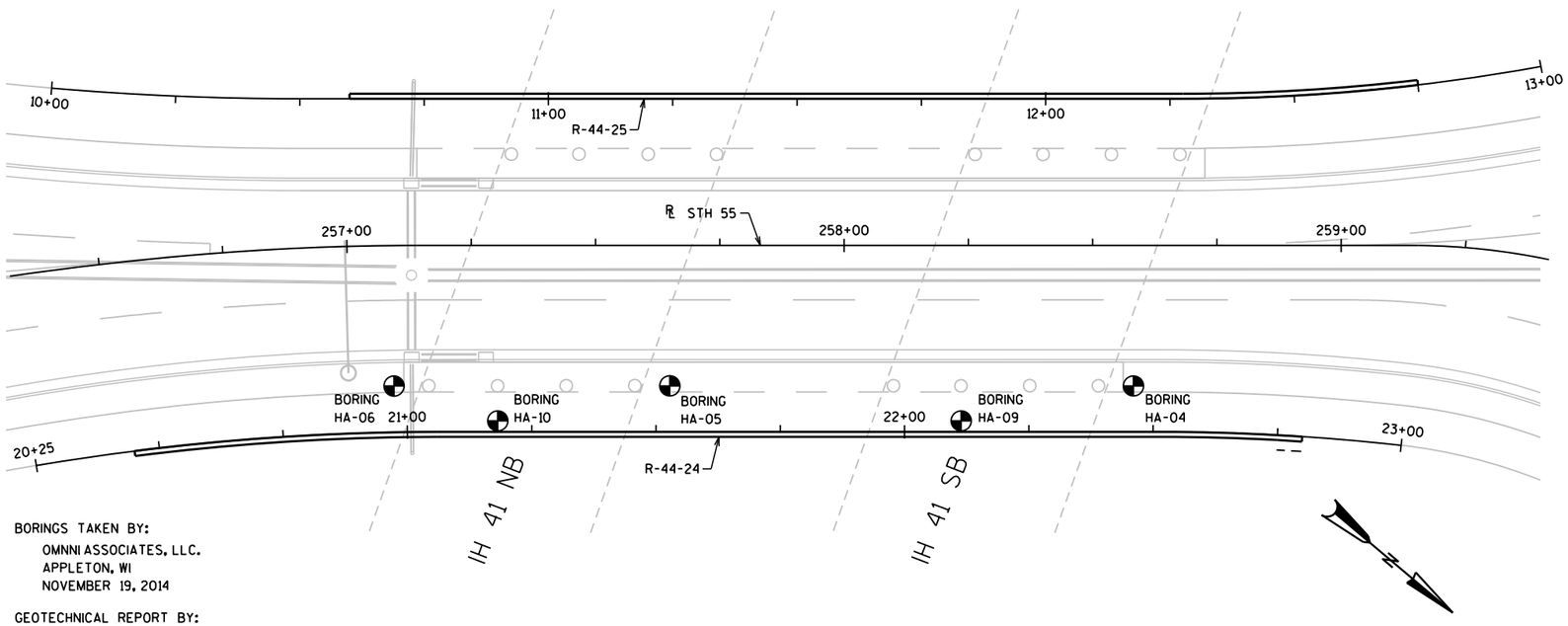
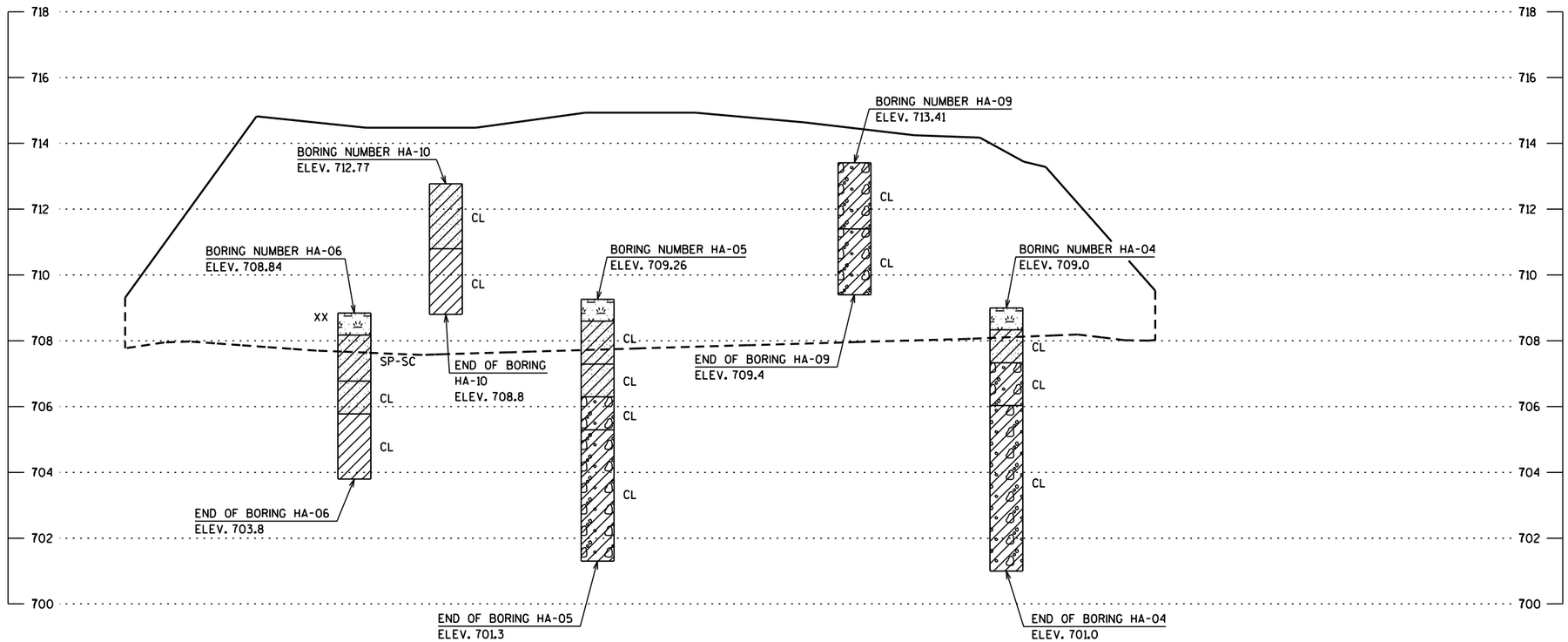


BORINGS TAKEN BY:
OMNNI ASSOCIATES, LLC.
APPLETON, WI
NOVEMBER 19, 2014

GEOTECHNICAL REPORT BY:
OMNNI ASSOCIATES, LLC.
APPLETON, WI
OCTOBER, 2015



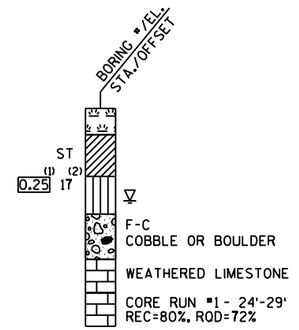
STATE PROJECT NUMBER

4650-08-71

MATERIAL SYMBOLS

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

LEGEND OF BORING



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

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

GROUND WATER ELEVATION

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

ABBREVIATIONS

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

SUBSURFACE EXPLORATION FOR FOUNDATION DESIGN AND BIDDERS INFORMATION

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

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE R-44-24

DRAWN BY BRE | PLANS CK'D. KRO

SUBSURFACE EXPLORATION

SHEET 4 OF 4

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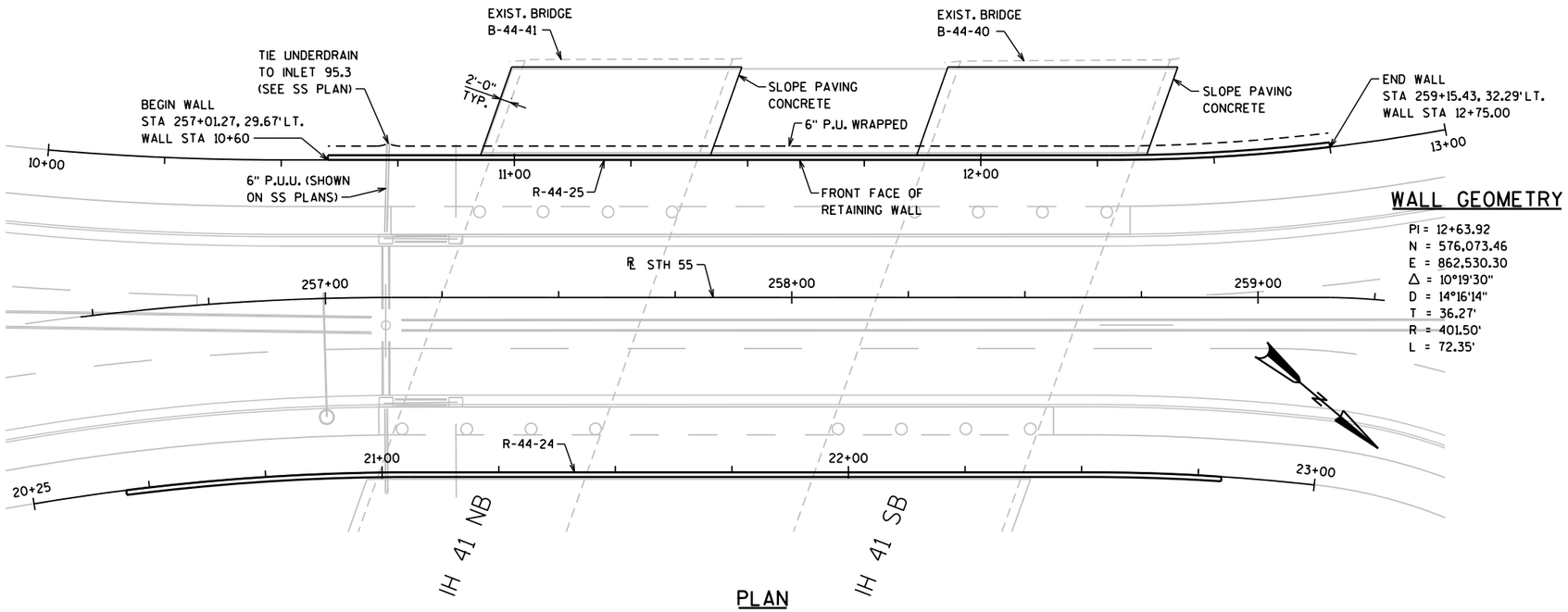
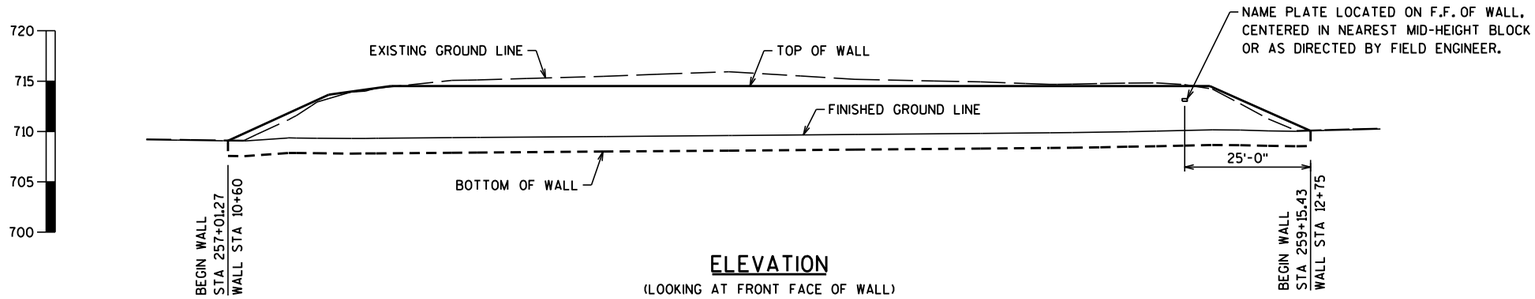


PLAN

WALL GEOMETRY

PI = 12+63.92
N = 576,073.46
E = 862,530.30
Δ = 10°19'30"
D = 14°16'14"
T = 36.27'
R = 401.50'
L = 72.35'



ELEVATION
(LOOKING AT FRONT FACE OF WALL)

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

GROUND LINE ELEVATIONS ARE SUBJECT TO THE APPROVAL OF THE ENGINEER.

LENGTH OF RETAINING WALL IS MEASURED ALONG THE FRONT FACE.

WALL GEOMETRY AND OFFSETS ARE MEASURED TO THE FRONT FACE OF RETAINING WALL AT THE FINISHED GRADE.

CONSTRUCT WALL IN SHORT SECTIONS AND LIMIT OPEN EXCAVATION FOR THE MODULAR BLOCK WALL UNDER THE EXISTING BRIDGE TO A MAXIMUM WIDTH OF 20 FEET, ALONG THE LENGTH OF THE WALL.

THE UPPER LIMITS OF EXCAVATION SHALL BE THE EXISTING GROUNDLINE. EXCAVATION IS INCLUDED WITH ITEM "WALL MODULAR BLOCK GRAVITY R-44-25".

BACKFILL PAY LIMITS. BACKFILL BEYOND BACKFILL PAY LIMITS SHALL BE INCIDENTAL TO EXCAVATION FOR STRUCTURES. LIMITS OF EXCAVATION SHALL BE DETERMINED BY THE CONTRACTOR.

MODULAR BLOCKS SHALL BE LARGE WETCAST BLOCKS.

THE COLOR OF THE BLOCK SHALL BE MEDIUM TAN, (FEDERAL STANDARD COLOR NO. 33446) OR SIMILAR COLOR APPROVED BY THE ENGINEER.

DESIGN DATA

THE CONTRACTOR SHALL PROVIDE COMPLETE DESIGN, PLANS, DETAILS, SPECIFICATIONS AND SHOP DRAWINGS FOR THE RETAINIG WALLS IN ACCORDANCE WITH THE SPECIAL PROVISIONS. THE RETAINING WALL MANUFACTURER SHALL PROVIDE TECHNICAL ASSISTANCE TO THE CONTRACTOR DURING CONSTRUCTION. THE COST OF FURNISHING THESE ITEMS SHALL BE INCLUDED IN THE BID ITEM "WALL MODULAR BLOCK GRAVITY R-44-25".

PLANS, ELEVATIONS AND DETAILS SHOWN ON THESE DRAWINGS ARE INTENDED TO INDICATE WALL LOCATIONS, LENGTHS, HEIGHTS AND DETAILS COMMON TO THE WALL SYSTEM SELECTED. THE CONTRACTOR SHALL VERIFY THAT THE WALL SYSTEM SELECTED WILL CONFORM TO THE REQUIRED ALIGNMENTS AND DETAILS.

THE RETAINING WALL SHALL BE DESIGNED USING THE ELEVATIONS GIVEN ON SHEET 1. DESIGN FOR RETAINING WALL TO PROVIDE FOR FINISHED GRADE SLOPED BEHIND WALL AS SHOWN ON THE ROADWAY CROSS SECTIONS.

DESIGN RETAINING WALL FOR A LIVE LOAD SURCHARGE OF 100 PSF.

GEOMETRY TABLE

ROADWAY STATIONING	STATIONING ALONG FF OF WALL	OFFSET FACE OF WALL FROM REF. LINE (FT)	TOP OF WALL ELEVATION	BOTTOM OF WALL ELEVATION	FINISHED GROUND LINE ELEVATION
257+01.27	10+60.00	-29.67	709.43	707.93	709.43
257+15.54	10+75.00	-29.50	712.47	707.87	709.37
257+40.54	11+00.00	-29.50	714.50	707.88	709.38
257+65.54	11+25.00	-29.50	714.50	707.98	709.48
257+90.54	11+50.00	-29.50	714.50	708.08	709.58
258+15.54	11+75.00	-29.50	714.50	708.18	709.68
258+40.54	12+00.00	-29.50	714.50	708.28	709.78
258+65.54	12+25.00	-29.50	714.50	708.40	709.90
258+90.53	12+50.00	-30.12	714.50	708.62	710.12
259+15.43	12+75.00	-32.29	710.42	708.92	710.42

WISCONSIN
KRISTOFER R. OLSON
E-35236
APPLETON, WI
PROFESSIONAL ENGINEER

8/24/17

TOTAL ESTIMATED QUANTITIES

209.1100	BACKFILL GRANULAR GRADE 1	15 CY
604.0400	SLOPE PAVING CONCRETE	245 SY
612.0406	PIPE UNDERDRAIN WRAPPED 6-INCH	475 LF
SPV.0165	WALL MODULAR BLOCK GRAVITY R-44-25 *	1,230 SF

*SOME BLOCKS WITH A DEPTH GREATER THAN 24 INCHES WILL BE REQUIRED. DEPTH IS THE DISTANCE FROM FRONT FACE TO BACK FACE OF THE BLOCK.

LIST OF DRAWINGS

1. GENERAL PLAN
2. SECTION & DETAILS
3. SLOPE PAVING CONCRETE
4. SUBSURFACE EXPLORATION

BRIDGE OFFICE CONTACT

BILL DREHER
(608) 266-8489

CONSULTANT CONTACT

KRISTOFER OLSON
OMNNI ASSOCIATES
(920) 735-6900

STATE PROJECT NUMBER
4650-08-71

NO.	DATE	REVISION	BY

ORIGINAL PLANS PREPARED BY
OMNNI ASSOCIATES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
ACCEPTED William C. Dreher SDR 08/25/17
CHIEF STRUCTURES DESIGN ENGINEER DATE

STRUCTURE R-44-25

RETAINING WALL WEST OF STH 55

COUNTY OUTAGAMIE | CITY KAUKAUNA

DESIGN SPEC. AASHTO LRFD DESIGN SPECIFICATIONS

DESIGNED BY	BRE	DESIGN CK'D.	KRO	DRAWN BY	BRE	PLANS CK'D.	KRO

GENERAL PLAN

SHEET 1 OF 4

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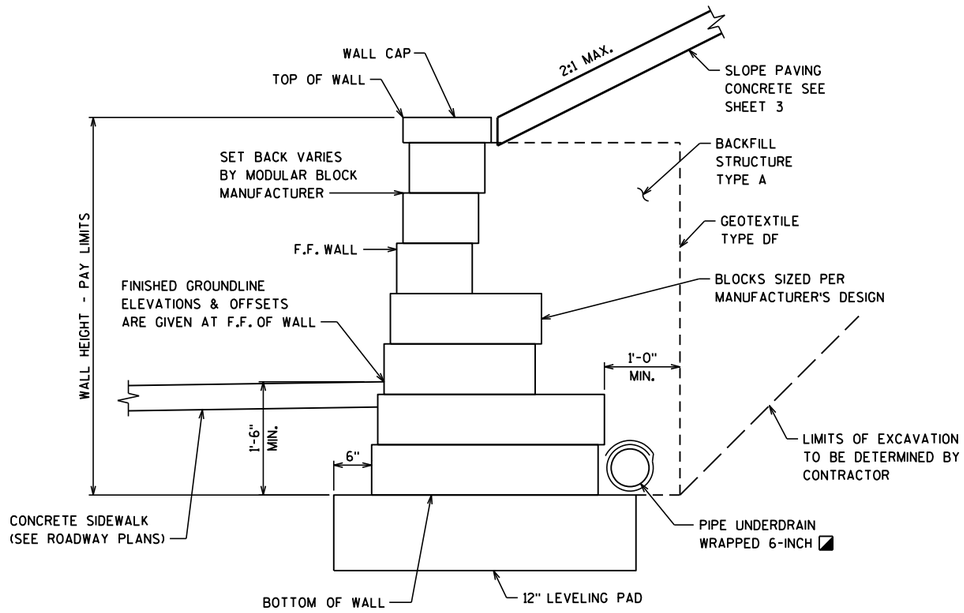


SECTION THRU WALL MODULAR BLOCK

REMOVE ANY UNSUITABLE MATERIAL UNDER THE LEVELING PAD AS DIRECTED BY THE ENGINEER AND REPLACE WITH GRANULAR BACKFILL GRADE 1. OVEREXCAVATION IS INCLUDED IN THE BID ITEM GRANULAR BACKFILL GRADE 1.

SOIL PARAMETERS

Soil Description	Friction Angle (degrees)	Cohesion (psf)	Unit Weight (pcf)
Fill, granular Retained Soil (Behind the Wall)	32	0	120
HA1 - STA. 258+85 - 27' LT + HA 8 - 18' LT			
Topsoil Elevation 713.4 ft – 712.7 ft	5	0	90
Sand with Clay (Fill – HA 1) Elevation 712.7 ft – 709.4 ft	30	0	120
Lean Clay, trace gravel (Fill – HA 8)) Elevation 709.4 ft – 707.4 ft	10	500	125
Lean Clay (HA 8) Elevation 707.4 ft. – 700.8 ft.	10	1500	125
Lean Clay with Silt and a little Sand* Elevation 700.8 ft. – 680 ft.	10	1500	125
HA2 - STA. 257+98 - 27' LT			
Topsoil Elevation 714.3 ft – 713.3 ft	5	0	90
Sand with Clay Elevation 713.3 ft – 712.8 ft	30	0	120
Lean Clay with Sand Elevation 712.8 ft – 711.8 ft	5	100	120
Lean Clay, with Sand and a little Silt Elevation 711.8 ft – 709.3 ft	10	500	125
Lean Clay, with Silt and a little Sand* Elevation 709.3 ft – 680.0 ft	10	1500	125
HA3 - STA. 257+25 - 28' LT + HA 7 – 18' LT			
Topsoil Elevation 713.8 ft – 712.8 ft	5	0	90
Clayey Sand (Fill – HA3) Elevation 712.8 ft – 711.8 ft	30	0	120
Sand with Clay with little Silt (Fill – HA3) Elevation 711.8 ft – 710.1 ft	34	0	120
Lean Clay, with Sand (Fill – HA7) Elevation 710.1 ft. – 706.1 ft.	5	500	125
Lean Clay (HA7) Elevation 706.1 ft. – 701.1 ft.	5	1500	125
Lean Clay with Silt and a little Sand* Elevation 701.1 ft. - 680.0 ft.	10	1500	125

* Based on WisDOT structure borings for B-44-40 and B-44-41, these soils parameters w ere applicable to soils conditions beyond depths noted and w ere used for global stability determination.

WALL EXTERNAL STABILITY EVALUATION

Dimensions	
Wall Height[1] (feet)	7.5
Exposed Wall Height (feet)	6
Hand Auger Boring Location Used	HA2 & HA7
Approximate Station	258+00
Back slope above wall	2H/1V
Safety Factors	
Global Stability (CDR_{req}>1.0)	1.1
Bearing Capacity (CDR_{req}>1.0)	3.7
Sliding (CDR_{req}>1.0)	1
Eccentricity (CDR_{req}>1.0)	1
Factored Bearing Resistance	15800

1. Wall height includes a minimum embedment depth of 1½ feet
2. CDR_{req} given in Chapter 14 of the Bridge Manual.
3. The w all stability calculation included a live load of 100 psf per WDOT Bridge Manual.
4. Wall depth of 3 feet and no batter assumed.

NOTES

PIPE UNDERDRAIN WRAPPED (6-INCH). SLOPE 0.5% MIN. DRAIN TO INLET 95.3 (SEE SS PLANS). ATTACH PERMANENT PLUG AT HIGH END.

8

8

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE R-44-25

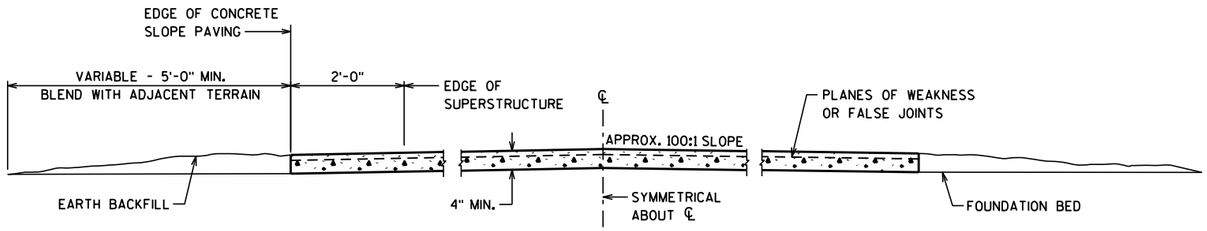
DRAWN BY BRE | PLANS CK'D. KRO

SECTIONS & DETAILS

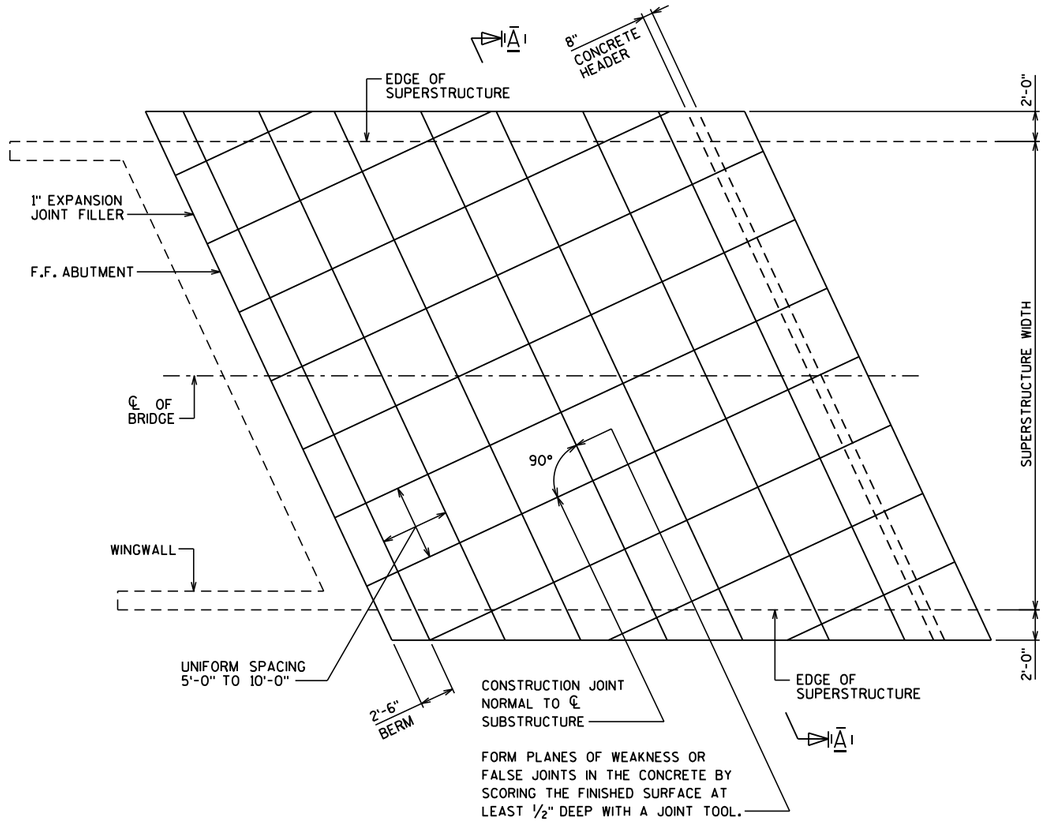
SHEET 2 OF 4

FILE NAME : F:±TR±JOBS±E1859A08±Sheets±R-44-25±R-44-25 02 details.dgn PLOT BY : EpleyB PLOT DATE: 8/16/2017 9:30:59 AM

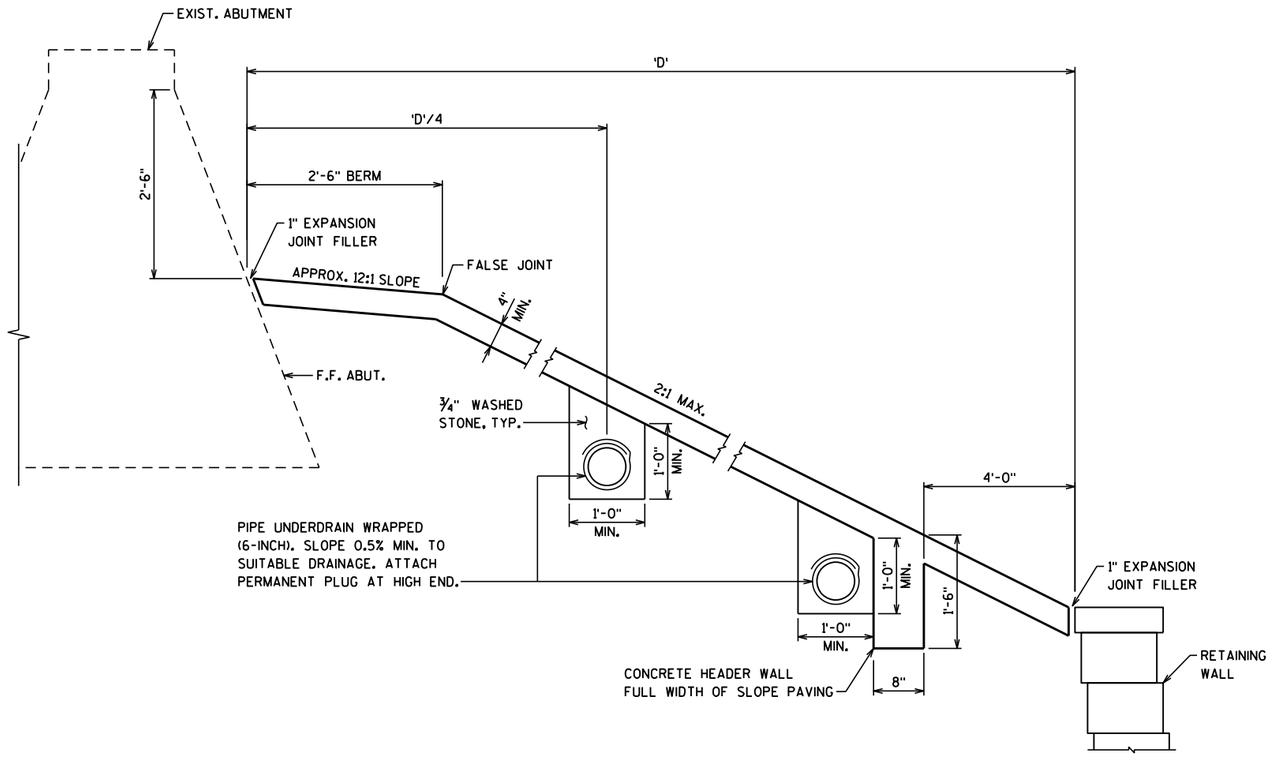
STATE PROJECT NUMBER
4650-08-71



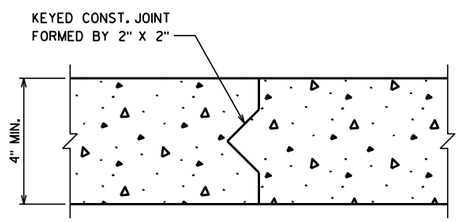
SECTION A-A



CONSTRUCTION JOINT DESIGN



TYPICAL SECTION



CONSTRUCTION JOINT

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE R-44-25

DRAWN BY BRE | PLANS CK'D. KRO

SLOPE PAVING CONCRETE

SHEET 3 OF 4

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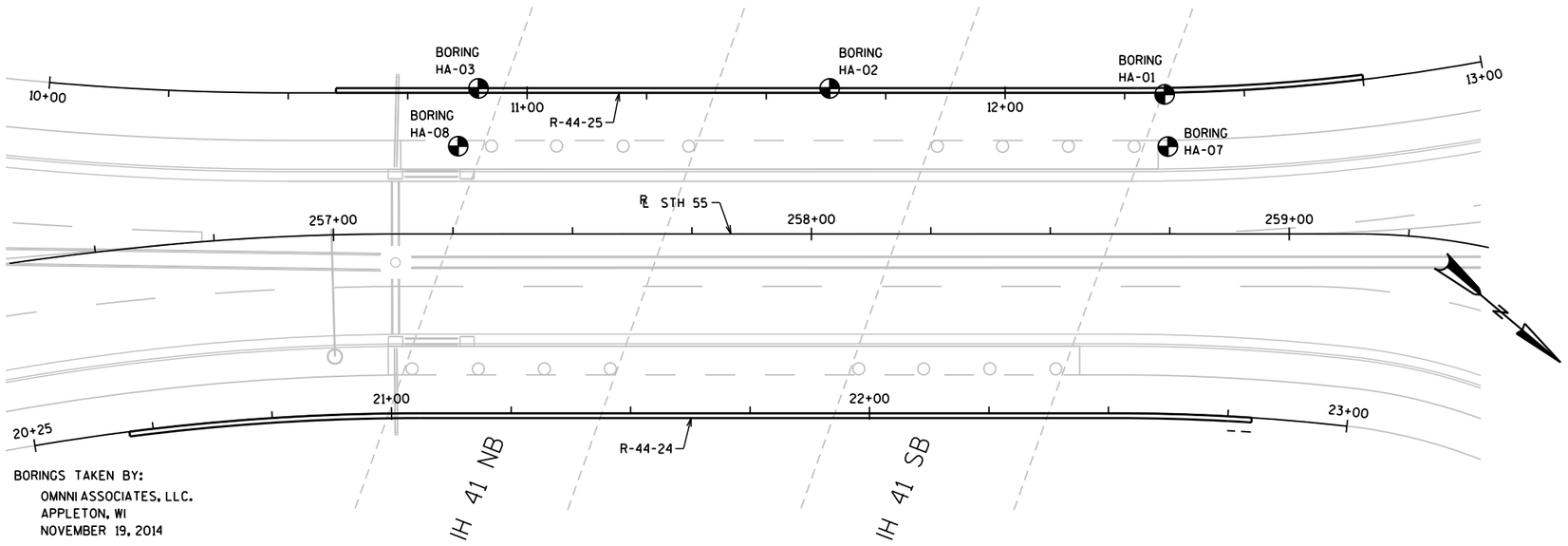

BORINGS TAKEN BY:
OMNNI ASSOCIATES, LLC.
APPLETON, WI
NOVEMBER 19, 2014

GEOTECHNICAL REPORT BY:
OMNNI ASSOCIATES, LLC.
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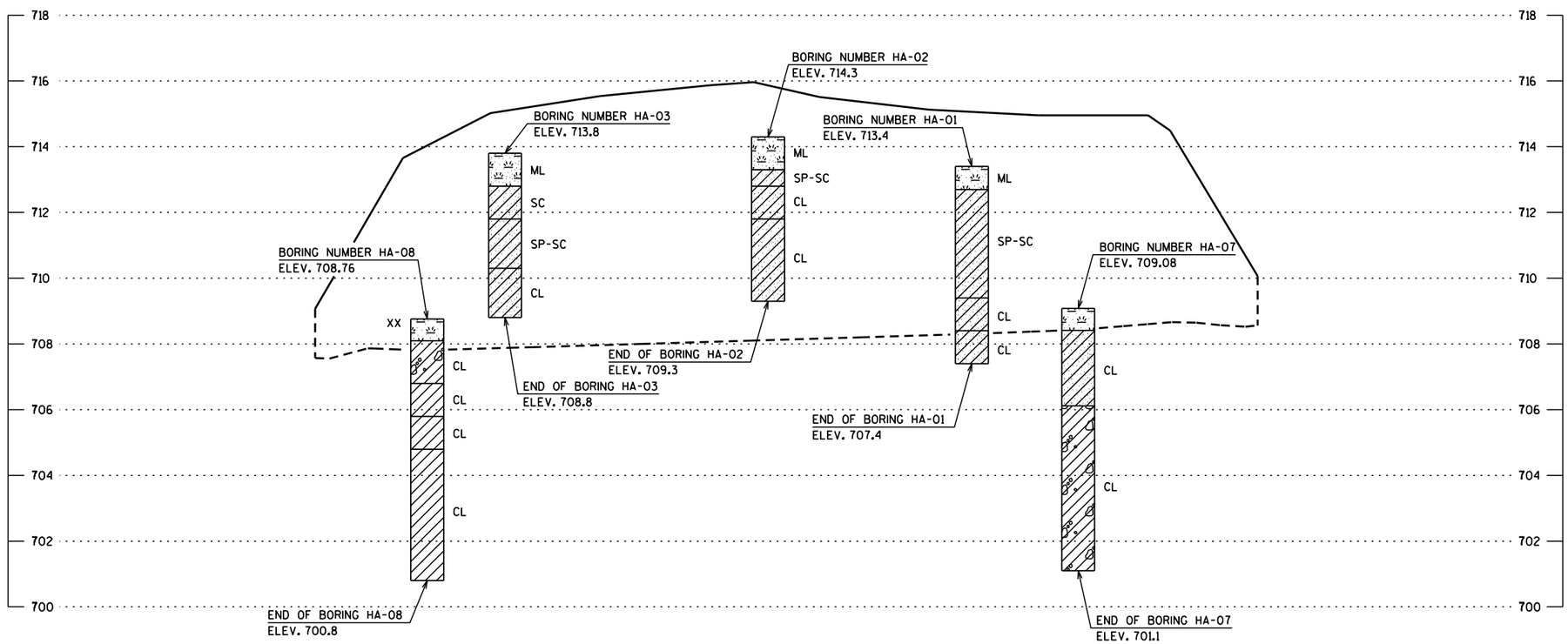
OCTOBER, 2015



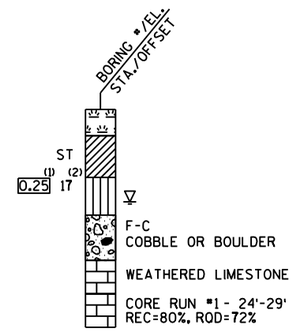
STATE PROJECT NUMBER

4650-08-71

MATERIAL SYMBOLS

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

LEGEND OF BORING



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

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

GROUND WATER ELEVATION

- ▽ AT TIME OF DRILLING
- ▼ END OF DRILLING
- ▽ AFTER DRILLING

ABBREVIATIONS

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

SUBSURFACE EXPLORATION FOR FOUNDATION DESIGN AND BIDDERS INFORMATION

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

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE R-44-25

DRAWN BY BRE | PLANS CK'D. KRO

SUBSURFACE EXPLORATION

SHEET 4 OF 4

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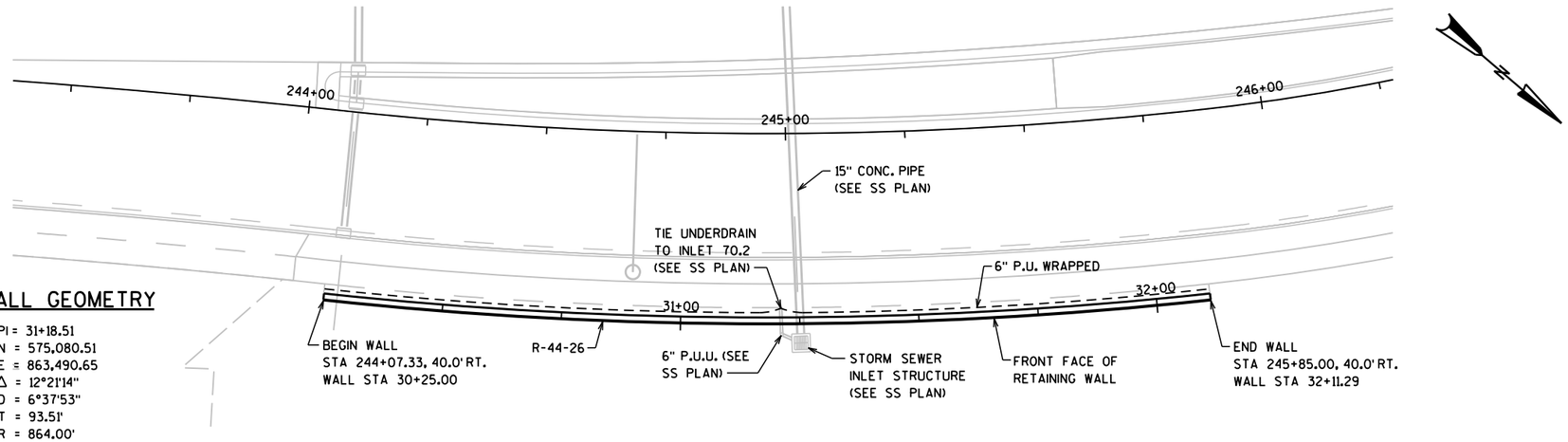
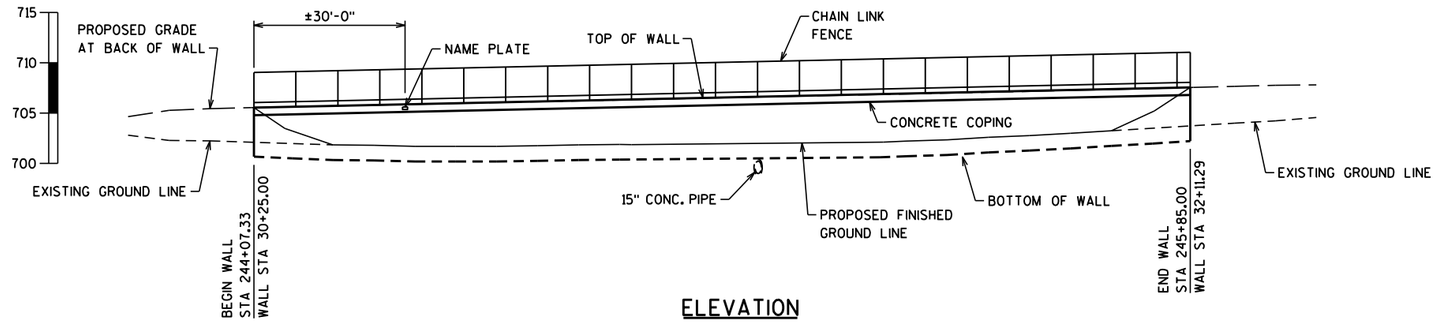


WALL GEOMETRY

PI = 31+18.51
N = 575,080.51
E = 863,490.65
Δ = 12°21'14"
D = 6°37'53"
T = 93.51'
R = 864.00'
L = 186.29'
PC = 30+25.00
PT = 32+11.29

PLAN



ELEVATION

(LOOKING AT FRONT FACE OF WALL)

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2" CLEAR UNLESS OTHERWISE NOTED.

GROUND LINE ELEVATIONS ARE SUBJECT TO THE APPROVAL OF THE ENGINEER.

LENGTH OF RETAINING WALL IS MEASURED ALONG THE FRONT FACE.

WALL GEOMETRY AND OFFSETS ARE MEASURED TO THE FRONT FACE OF RETAINING WALL AT THE TOP OF WALL.

BEVEL EXPOSED EDGES OF CONCRETE 1" UNLESS OTHERWISE NOTED.

THE COLOR OF THE BLOCK SHALL BE MEDIUM TAN, (FEDERAL STANDARD COLOR NO. 33446) OR SIMILAR COLOR APPROVED BY THE ENGINEER.

DESIGN DATA

THE CONTRACTOR SHALL PROVIDE COMPLETE DESIGN, PLANS, DETAILS, SPECIFICATIONS AND SHOP DRAWINGS FOR THE RETAINIG WALLS IN ACCORDANCE WITH THE SPECIAL PROVISIONS. THE RETAINING WALL MANUFACTURER SHALL PROVIDE TECHNICAL ASSISTANCE TO THE CONTRACTOR DURING CONSTRUCTION. THE COST OF FURNISHING THESE ITEMS SHALL BE INCLUDED IN THE BID ITEM "WALL MODULAR BLOCK MECHANICALLY STABILIZED EARTH R-44-26".

PLANS, ELEVATIONS AND DETAILS SHOWN ON THESE DRAWINGS ARE INTENDED TO INDICATE WALL LOCATIONS, LENGTHS, HEIGHTS AND DETAILS COMMON TO THE WALL SYSTEM SELECTED. THE CONTRACTOR SHALL VERIFY THAT THE WALL SYSTEM SELECTED WILL CONFORM TO THE REQUIRED ALIGNMENTS AND DETAILS.

THE RETAINING WALL SHALL BE DESIGNED USING THE ELEVATIONS GIVEN ON SHEET 1. DESIGN FOR RETAINING WALL TO PROVIDE FOR FINISHED GRADE SLOPED BEHIND WALL AS SHOWN ON THE ROADWAY CROSS SECTIONS.

DESIGN RETAINING WALL FOR A LIVE LOAD SURCHARGE OF 240 PSF.

GEOMETRY TABLE

ROADWAY STATIONING	STATIONING ALONG FF OF WALL	OFFSET FACE OF WALL FROM REF. LINE (FT)	TOP OF WALL ELEVATION	BOTTOM OF WALL ELEVATION	FINISHED GROUND LINE ELEVATION
244+07.33	30+25.00	40.00	705.54	704.04	705.54
244+31.17	30+50.00	40.00	705.81	700.28	701.78
244+55.02	30+75.00	40.00	706.08	700.20	701.70
244+78.86	31+00.00	40.00	706.35	700.39	701.89
245+02.70	31+25.00	40.00	706.62	700.50	702.00
245+26.54	31+50.00	40.00	706.89	700.62	702.12
245+50.39	31+75.00	40.00	707.16	701.18	702.68
245+73.92	32+00.00	40.00	707.43	701.88	703.38
245+85.00	32+11.29	40.00	707.55	706.05	707.55

8/24/17

TOTAL ESTIMATED QUANTITIES

210.2500	BACKFILL STRUCTURE TYPE B	235 TON
612.0406	PIPE UNDERDRAIN WRAPPED 6-INCH	186 LF
SPV.0090	FENCE CHAIN LINK POLYMER COATED 4-FT	186 LF
SPV.0165	WALL MODULAR BLOCK MECHANICALLY STABILIZED EARTH R-44-26	1,085 SF

LIST OF DRAWINGS

1. GENERAL PLAN
2. SECTIONS & DETAILS
3. FENCING DETAILS
4. SUBSURFACE EXPLORATION

BRIDGE OFFICE CONTACT

BILL DREHER
(608) 266-8489

CONSULTANT CONTACT

KRISTOFER OLSON
OMNNI ASSOCIATES
(920) 735-6900

NO.	DATE	REVISION	BY

ORIGINAL PLANS PREPARED BY
OMNNI ASSOCIATES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
ACCEPTED William C. Dreher SDR 08/25/17
CHIEF STRUCTURES DESIGN ENGINEER DATE

STRUCTURE R-44-26

RETAINING WALL EAST OF STH 55

COUNTY	CITY
OUTAGAMIE	KAUKAUNA

DESIGN SPEC.
AASHTO LRFD DESIGN SPECIFICATIONS

DESIGNED BY	DESIGN CK'D.	DRAWN BY	PLANS CK'D.
BRE	KRO	BRE	KRO

GENERAL PLAN

SHEET 1 OF 4

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STATE PROJECT NUMBER
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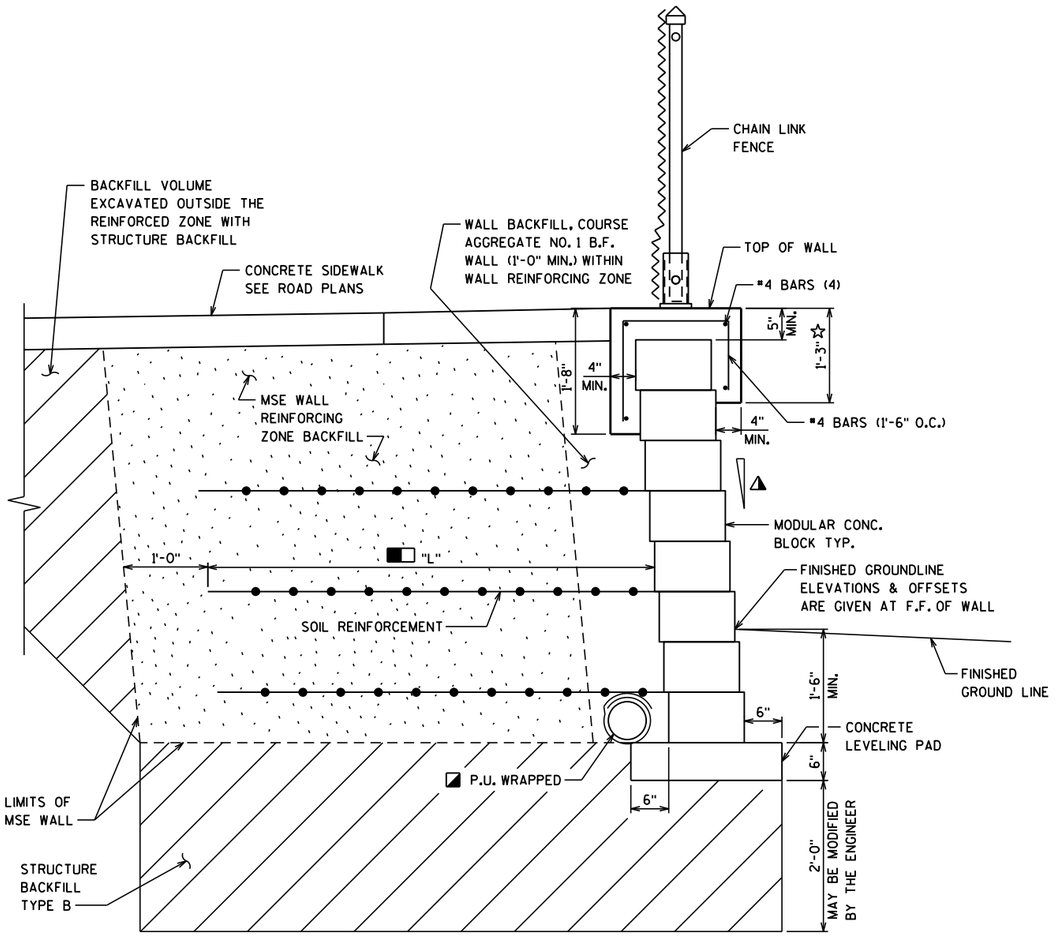
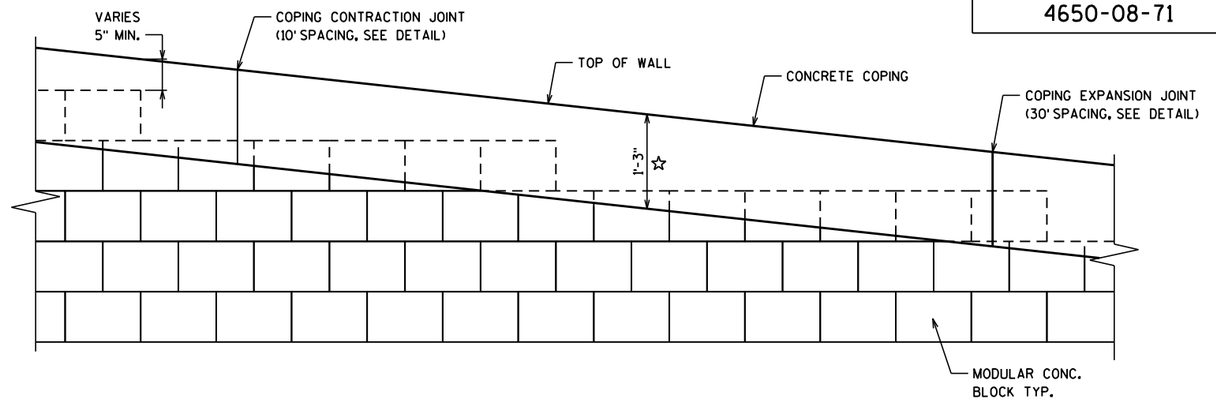
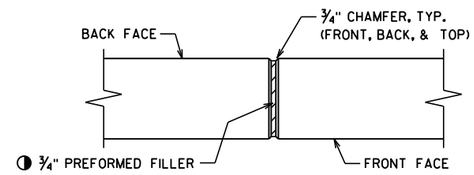


TYPICAL RETAINING WALL SECTION

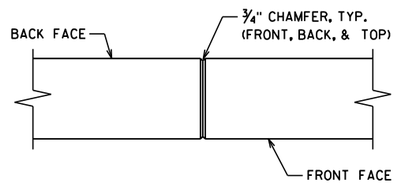


RETAINING WALL FACE & CONCRETE COPING DETAIL



COPING VERTICAL EXPANSION JOINT

(DO NOT RUN BAR STEEL THRU JOINT)



COPING VERTICAL CONTRACTION JOINT

(DO NOT RUN BAR STEEL THRU JOINT)

WALL EXTERNAL STABILITY EVALUATION

Dimensions	
Wall Height (feet) [1]	6.75
Exposed Wall Height (feet)	4.80
Length of Reinforcement (feet)	6.0
Length of Rein. To Height Ratio	1.25
Boring Location Used	HA-01, HA-02, HA-03
Approximate Station [2]	244+07.33 - 245+89.12 (30+25 - 32+10.97)
Back slope above wall	No Backslope
Safety Factors	
Sliding (CDR > 1.0) [3]	1.7
Overturning (CDR > 1.0) [3]	1.9
Global Stability (FS_{req} > 1.3) [4]	2.0
Bearing Capacity (CDR > 1.0) [3]	1.7
Allowable Bearing Capacity [5]	2,830

1. Wall height includes a minimum embedment depth of 1½ feet.
2. References STH 55 Roadway Stationing (Wall Stationing)
3. CDR (Capacity to Demand Ratio) given in Chapter 14 of the WisDOT Bridge Manual.
4. FS_{req} (Safety Factor Required) determined from *Winstabl* program
5. Bearing Calc. given in AASHTO LRFD [11.6.2.3] w here φ=0.65. FS=1/ φ=1/0.65=1.5

SOIL PARAMETERS

Soil Description	Friction Angle (Degrees)	Cohesion (Psf)	Unit Weight (Pcf)
Granular Backfill	34	0	125
Within The Wall In The Reinforcing Zone			
HA-01 - STA 30+30 - 37 ft RT			
Clayey Topsoil, With Organics, Trace Gravel, Trace Sand	0	200	110
(Elevation 702.0 Ft - 700.9 Ft)			
Clayey Fill, With Organics, Trace Gravel	0	300	115
(Elevation 700.9 Ft - 700.0 Ft)			
Lean Clay, Trace Organics, Trace Gravel	0	400	120
(Elevation 700.0 Ft - 698.2 Ft)			
Lean Clay, Trace Gravel	0	1000	120
(Elevation 698.2 Ft - 696.9 Ft)			
HA-02 - STA 31+20 - 37 ft RT			
Clayey Topsoil, With Organics, Trace Gravel, Trace Sand	0	300	110
(Elevation 701.4 Ft - 701.1 Ft)			
Clayey Fill, With Organics, Trace Gravel	0	300	115
(Elevation 701.1 Ft - 699.2 Ft)			
Lean Clay	0	200	120
(Elevation 699.2 Ft - 697.0 Ft)			
Lean Clay	0	1200	125
(Elevation 697.0 Ft - 696.3 Ft)			
HA-03 - STA 32+00 - 37 ft RT			
Clayey Topsoil, With Organics, Trace Gravel	0	250	110
(Elevation 703.4 Ft - 702.6 Ft)			
Clayey Fill, Trace Organics	0	350	115
(Elevation 702.6 Ft - 701.4 Ft)			
Lean Clay, Trace Gravel, Trace Organics	0	350	115
(Elevation 701.4 Ft - 700.0 Ft)			
Lean Clay, Trace Gravel	0	1200	125
(Elevation 700.0 Ft - 698.3 Ft)			

NOTES:

◭ BATTER VARIES BY MANUFACTURER

◪ PIPE UNDERDRAIN WRAPPED (6-INCH). SLOPE 0.5% MIN. DRAIN TO INLET 70.2 (SEE SS PLANS). ATTACH PERMANENT PLUG AT HIGH ENDS.

☆ THIS DIMENSION MAY CHANGE DEPENDING ON HEIGHT OF BLOCKS. THIS DIMENSION TO BE CONSTANT FOR ENTIRE LENGTH OF WALL. MAXIMUM ALLOWABLE HEIGHT OF BLOCKS TO BE 9 INCHES.

◑ SEAL ALL EXPOSED HORIZ. & VERT. SURFACES OF FILLER WITH NON-STAINING GRAY NON-BITUMINOUS JOINT SEALER. (1" DEEP AND HOLD ⅛" BELOW SURFACE OF CONC.)

PLACE EXPANSION JOINTS AT EVERY THIRD JOINT AND AT ALL WALL RADIUS PC/PT POINTS AND BEND POINTS.

◧ "L" SHALL BE A MINIMUM OF 0.7 TIMES THE WALL HEIGHT BUT NOT LESS THAN 6 FEET.

MAINTAIN 2" MINIMUM COVER ON ALL REBAR

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE R-44-26

DRAWN BY BRE | PLANS CK'D. KRO

SECTIONS & DETAILS

SHEET 2 OF 4

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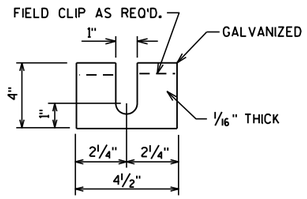
STATE PROJECT NUMBER
4650-08-71

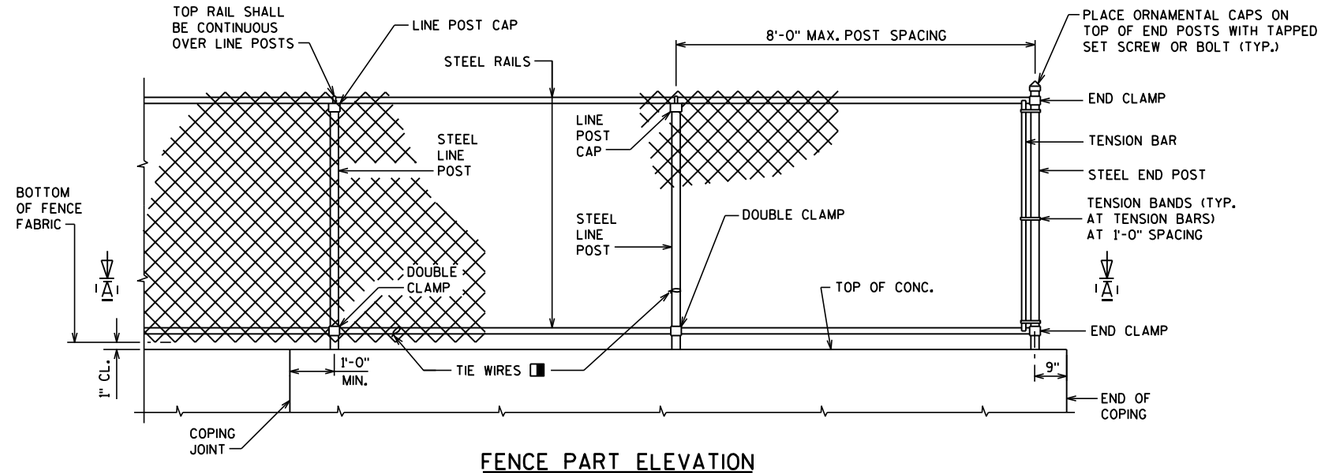
FENCE MEMBER SIZE & WEIGHT

STEEL FENCE MEMBER	OUTSIDE DIAMETER (INCHES)	WEIGHT (LB/FT)
RAILS	1.660	2.27
END POST	2.875	5.80
OVERHANG POST	2.875	5.80
LINE POST	2.375	3.65
POST SLEEVE	4.000	9.12



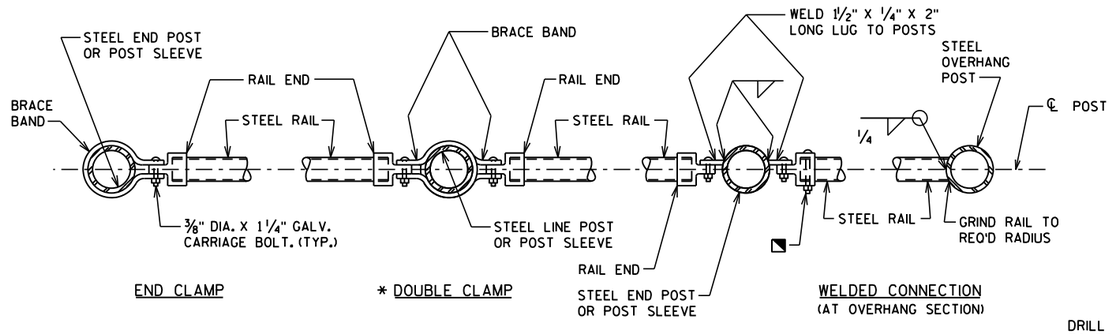
POST SHIM DETAILS

SHIMS REQUIRED ONLY WHEN END POSTS AND LINE POSTS ARE WELDED TO BASE PLATES. PROVIDE 4 SHIMS PER POST. USE WHERE REQUIRED FOR ALIGNMENT.



FENCE PART ELEVATION

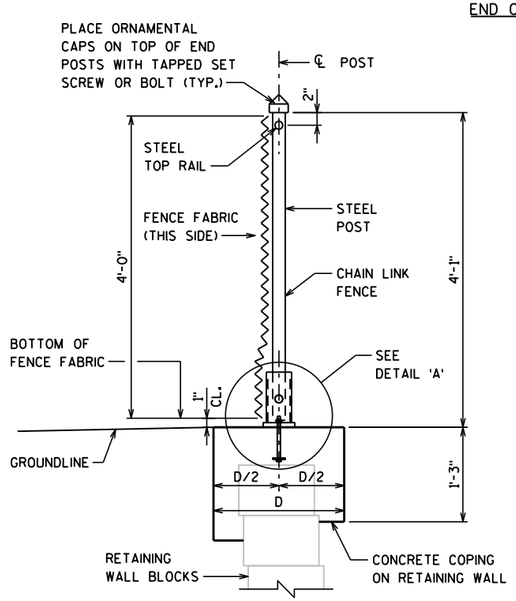
VIEWING FABRIC SIDE



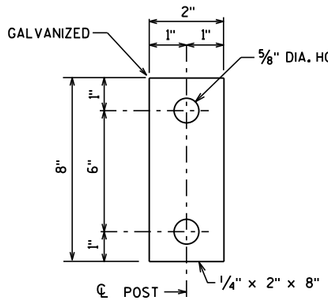
END CLAMP * DOUBLE CLAMP WELDED CONNECTION (AT OVERHANG SECTION)

SECTION A-A

NOTE: PLACE ALL BOLT HEADS ON SIDE OF FENCE ADJACENT TO PEDESTRIANS

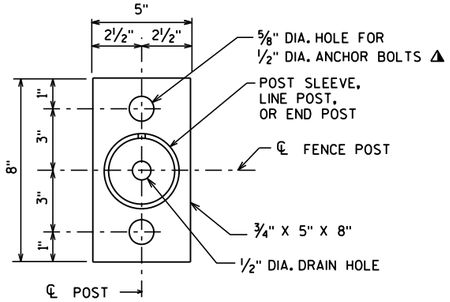


SECTION THRU FENCE

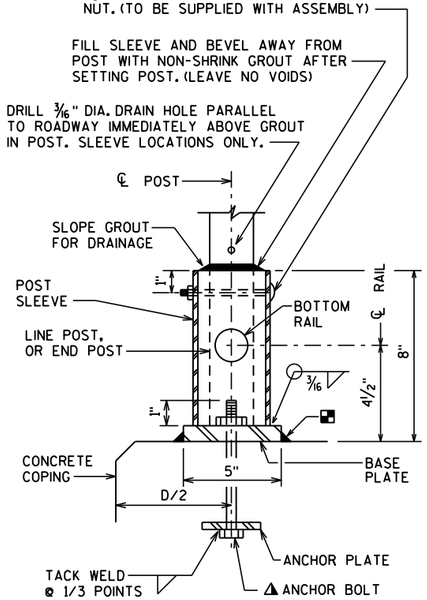


ANCHOR PLATE

☆ NOTE: ANCHOR PLATE NOT REQUIRED WHEN ADHESIVE ANCHORS ARE USED.



BASE PLATE



DETAIL 'A'

UNIT SHALL BE GALVANIZED AFTER FABRICATION

NOTE: IN LIEU OF USING THE POST SLEEVE, THE FENCE POST MAY BE WELDED TO THE BASE PLATE.

NOTES

POSTS ARE TO BE SET VERTICAL.

ALL FENCE COMPONENTS SHALL BE GALVANIZED STEEL WITH A COLORED POLYMER-COATING ON THE OUTSIDE.

FABRIC SHALL CONFORM TO ASTM F668, CLASS 2B. STEEL RAILS, POSTS AND POST SLEEVES SHALL CONFORM TO ASTM F1083, STANDARD WEIGHT PIPE (SCHEDULE 40). FITTINGS SHALL CONFORM TO ASTM F626. SEE THE "BRIDGE SPECIAL PROVISIONS" FOR ADDITIONAL DETAILS.

THE COLOR OF POLYMER-COATING FOR THIS STRUCTURE SHALL BE BLACK IN ACCORDANCE WITH ASTM F934.

THE BID ITEM SHALL BE "FENCE CHAIN LINK POLYMER-COATED 4- FT. R-44-26", LF.

COMPLETE ANY REQUIRED WELDING OF COMPONENTS BEFORE GALVANIZING.

POST BASE PLATES SHALL BE FLAT WITH ALL SURFACES SMOOTH AND FREE FROM WARP AND ALL EDGES SMOOTH, STRAIGHT AND VERTICAL. ALL PLATE CUTS SHALL BE MACHINE OR MACHINE FLAME CUT.

BASE PLATES, ANCHOR PLATES AND SHIMS SHALL BE ASTM A709, GRADE 36.

ALL POST SPACINGS ARE MEASURED HORIZONTALLY ALONG THE C/L OF THE POST.

◪ CAULK AROUND PERIMETER OF BASE PLATE AND FILL PORTION OF SLOTTED HOLE AROUND ANCHOR BOLT IN SHIM WITH NON-STAINING GRAY NON-BITUMINOUS JOINT SEALER.

✳ ALTERNATE TO DOUBLE CLAMP: USE LINE RAIL CLAMP (BOULEVARD) OR 180° BRACE BAND, WHICH MAY BE USED WHEN THE POSTS ARE EITHER BOLTED TO THE POST SLEEVES OR DIRECTLY WELDED TO THE BASE PLATE.

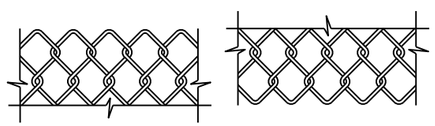
⚠ 1/2" DIA. X 6 7/8" LONG GALVANIZED HEX BOLT WITH NUT & WASHER. ☆

☆ ALTERNATIVE ANCHORAGE: CONCRETE ADHESIVE ANCHORS 1/2-INCH, EMBED 7" IN CONCRETE. ADHESIVE ANCHORS SHALL CONFORM TO SECTION 502.2.12 OF THE STANDARD SPECIFICATIONS.

◨ ATTACH FABRIC TO RAILS, AND TO POSTS WITHOUT TENSION BANDS, WITH TIE WIRES (ROUND, 9-GAGE) SPACED AT 1'-0".

◥ BOLT RAIL TO RAIL END TO SECURE OVERHANG SECTION. ALTERNATE IS TO WELD RAIL DIRECTLY TO END POST.

MINIMUM LENGTH OF TOP RAIL BETWEEN SPLICES SHALL BE 20'-0". LOCATE SPLICES NEAR 1/4 POINT OF POST SPACING.



TOP DETAIL BOTTOM DETAIL

FENCE FABRIC

FENCE FABRIC WOVEN OF 9-GAGE WIRE IN 2" DIAMOND PATTERN MESH WITH BOTH THE TOP AND BOTTOM SELVAGES KNUCKLED.

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STATE OF WISCONSIN
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STRUCTURE R-44-26

DRAWN BY BRE | PLANS CK'D. KRO

FENCING DETAILS

SHEET 3 OF 4

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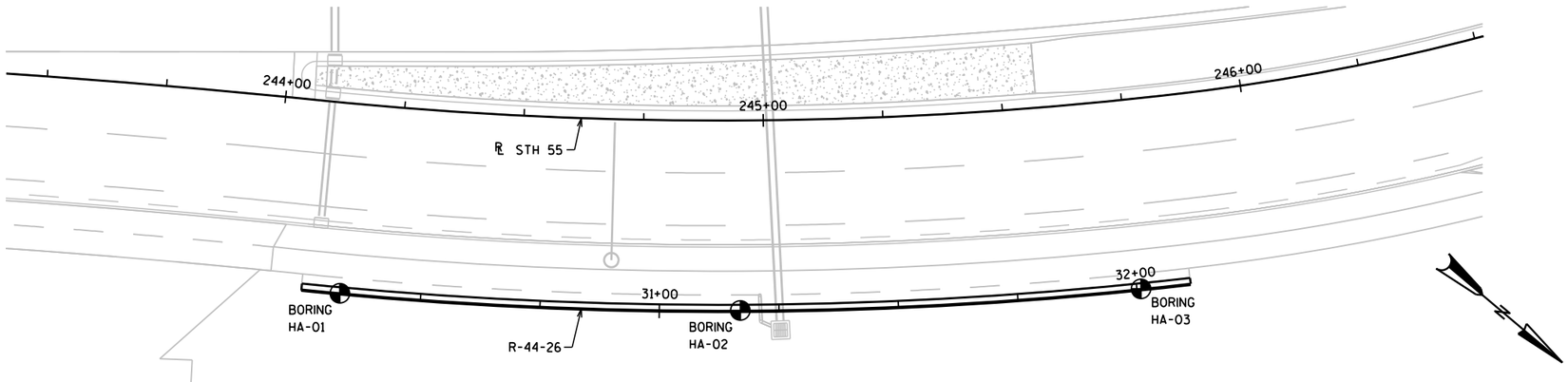

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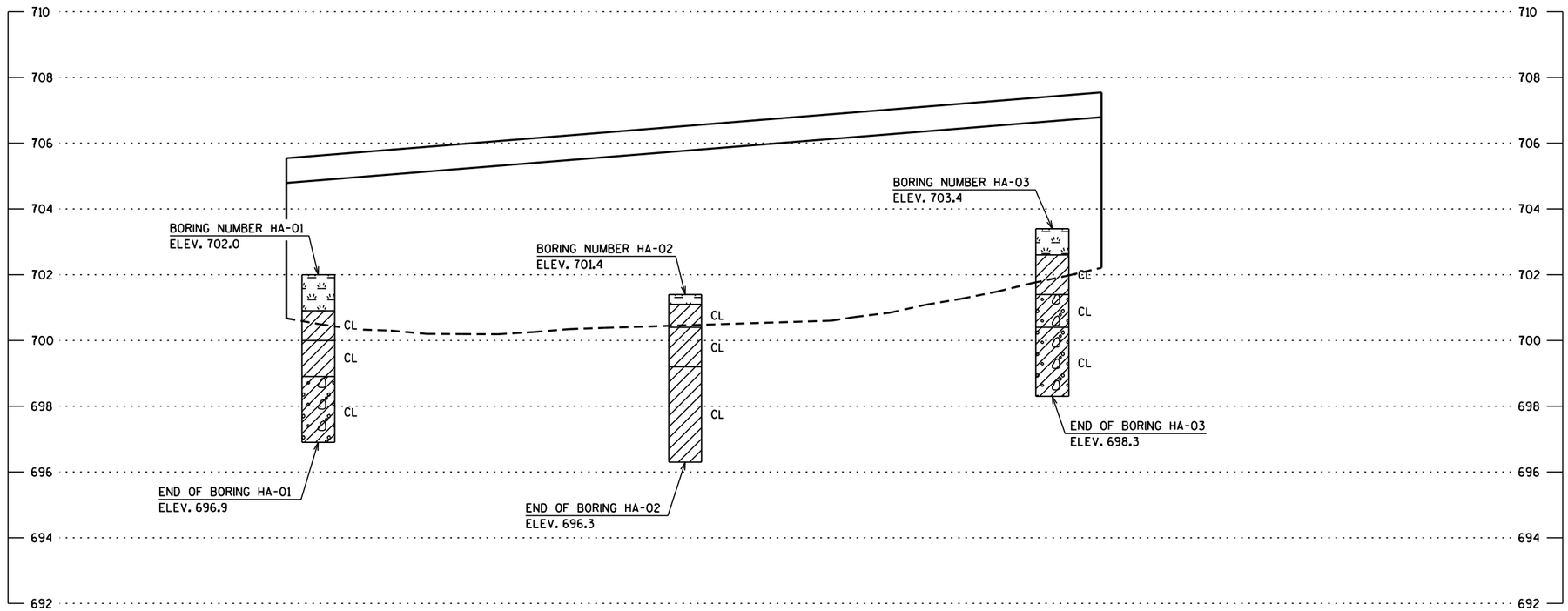

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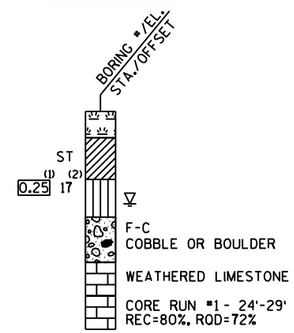

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- ▼ END OF DRILLING
- ▽ AFTER DRILLING

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

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STRUCTURE R-44-26

DRAWN BY BRE | PLANS CK'D. KRO

SUBSURFACE EXPLORATION

SHEET 4 OF 4

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8

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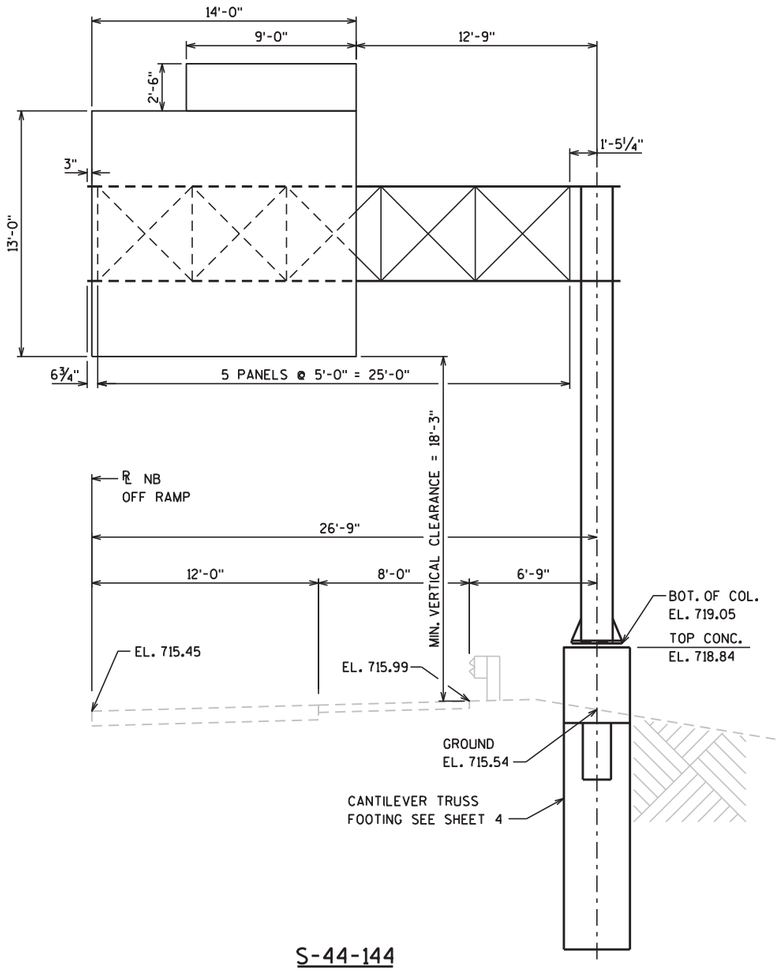

S-44-144

STA 1106+50.00 AA

(NB OFF-RAMP)
LOOKING NORTH

26'-9" RT OF
R/L IH 41 NB OFF RAMP

STATE PROJECT NUMBER

4650-08-71

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

ALTERNATE DESIGNS ARE NOT ALLOWED.

ALL STRUCTURAL STEEL MEMBERS, PLATES, ANCHOR RODS, H.S. BOLTS, NUTS AND WASHERS SHALL BE GALVANIZED PER SECTION 641 OF THE WISDOT STANDARD SPECIFICATIONS.

ALL H.S. BOLTED CONNECTIONS SHALL BE MADE WITH ¾" DIA. A325 GALVANIZED BOLTS. FIELD CONNECTIONS SHALL BE INSTALLED WITH DTI WASHERS.

CONTRACTOR SHALL VERIFY DIMENSIONS PRIOR TO FABRICATION OF STRUCTURE.

PREFABRICATE CAMBER INTO THE HORIZONTAL SUPPORT PROVIDING AN AMOUNT "Y" AT END OF TRUSS SHOWN IN "CAMBER DIAGRAM". DO NOT RAKE COLUMN BY ADJUSTMENT OF LEVELING NUTS.

WELD TEST AS PER AWS D1.1.

THE STRUCTURE MUST BE ASSEMBLED IN THE SHOP TO ASSURE FIT UP PER SECTION 641.3.3 OF THE WISDOT STANDARD SPECIFICATIONS.

EXACT LOCATION OF SIGN BRIDGE SHALL BE DETERMINED BY THE REGION TRAFFIC ENGINEER.

CONTRACTOR SHALL VERIFY UTILITY CONFLICTS PRIOR TO CONSTRUCTION OF FOOTINGS.

CENTER 13'-0" x 14'-0" SIGN VERTICALLY ON TRUSS.

ULTIMATE DESIGN STRESSES

CONCRETE MASONRY - f'c = 3,500 P.S.I.

BAR STEEL REINFORCEMENT, GRADE 60 - fy = 60,000 P.S.I.

COLUMN PIPE, API SPEC. 5L GRADE X42, PSL-2 - fy = 42,000 P.S.I. **

CHORD PIPE, API SPEC. 5L GRADE X42 - fy = 42,000 P.S.I. **

PLATES, BARS AND STRUCTURAL ANGLES, ASTM A709 GRADE 36 - fy = 36,000 P.S.I.

ANCHOR RODS, ASTM F1554, GRADE 55 - fy = 55,000 P.S.I.
ASTM A563A HEAVY HEX NUTS, AND ASTM F436 WASHERS.

** CONTRACTOR MAY SUBSTITUTE ALTERNATE MATERIALS PER WISDOT BRIDGE MANUAL SECTION 39.3 AT NO ADDITIONAL COST, PROVIDED THAT APPROVAL IS OBTAINED FROM THE DEPARTMENT.

DESIGN DATA

DEAD LOAD - 3 PSF OF SIGN (INCLUDING SUPPORTING BRACKETS).
ICE LOAD - 3 PSF TO ONE FACE OF SIGN & AROUND SURFACE OF MEMBERS.
WIND PRESSURE - 90 MPH (3-SECOND GUST SPEED) TO SIGN AREA & EXPOSED MEMBERS.
FATIGUE - CATEGORY I WITHOUT GALLOPING WIND EFFECTS.

DESIGNED ACCORDING TO THE 6TH EDITION AND INTERIM REVISIONS OF AASHTO "STANDARD SPECIFICTIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES, AND TRAFFIC SIGNALS.

STRUCTURE	DESIGN SIGN AREA	MAX. SIGN DEPTH
S-44-144	264 SF	13 FT

LIST OF DRAWINGS

1. SIGN BRIDGE LAYOUT
2. GALVANIZED STEEL CANTILEVER SIGN TRUSS
3. GALVANIZED STEEL CANTILEVER SIGN TRUSS DETAILS
4. CANTILEVER TRUSS FOOTING

FOUNDATION DATA

ALLOWABLE Qp = 4,000 P.S.F.

TOTAL ESTIMATED QUANTITIES

	BID ITEM NUMBER	BID ITEMS	UNIT	S-44-144
⚠	636.0100	SIGN SUPPORTS CONCRETE MASONRY	CY	8
	636.1500	SIGN SUPPORTS STEEL COATED REINFORCEMENT HS	LB	990
	641.1200	SIGN BRIDGE CANTILEVERED S-44-144	LS	1

⚠ PAYMENT FOR EXCAVATION IS INCLUDED WITH "SIGN SUPPORTS CONCRETE MASONRY".

WISCONSIN
KRISTOFER R. OLSON
E-35236
APPLETON, WI
PROFESSIONAL ENGINEER

5/24/17

CONSULTANT CONTACT

KRISTOFER OLSON
OMNNI ASSOCIATES, INC.
(920) 735-6900

BRIDGE OFFICE CONTACT

WILLIAM DREHER
(608) 266-8489

NO.	DATE	REVISION	BY

ORIGINAL PLANS PREPARED BY
OMNNI ASSOCIATES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

ACCEPTED William C. Dreher SDR 09/05/17
CHIEF STRUCTURES DESIGN ENGINEER DATE

STRUCTURE S-44-144

USH 41 NB OFF-RAMP

COUNTY	CITY
OUTAGAMIE	KAUKAUNA

DESIGN SPEC.	LOAD
AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS	90 MPH WIND

DESIGNED BY	DESIGN CK'D.	DRAWN BY	PLANS CK'D.
BRE	KRO	BRE	KRO

SIGN BRIDGE LAYOUT

SHEET 1 OF 4

601

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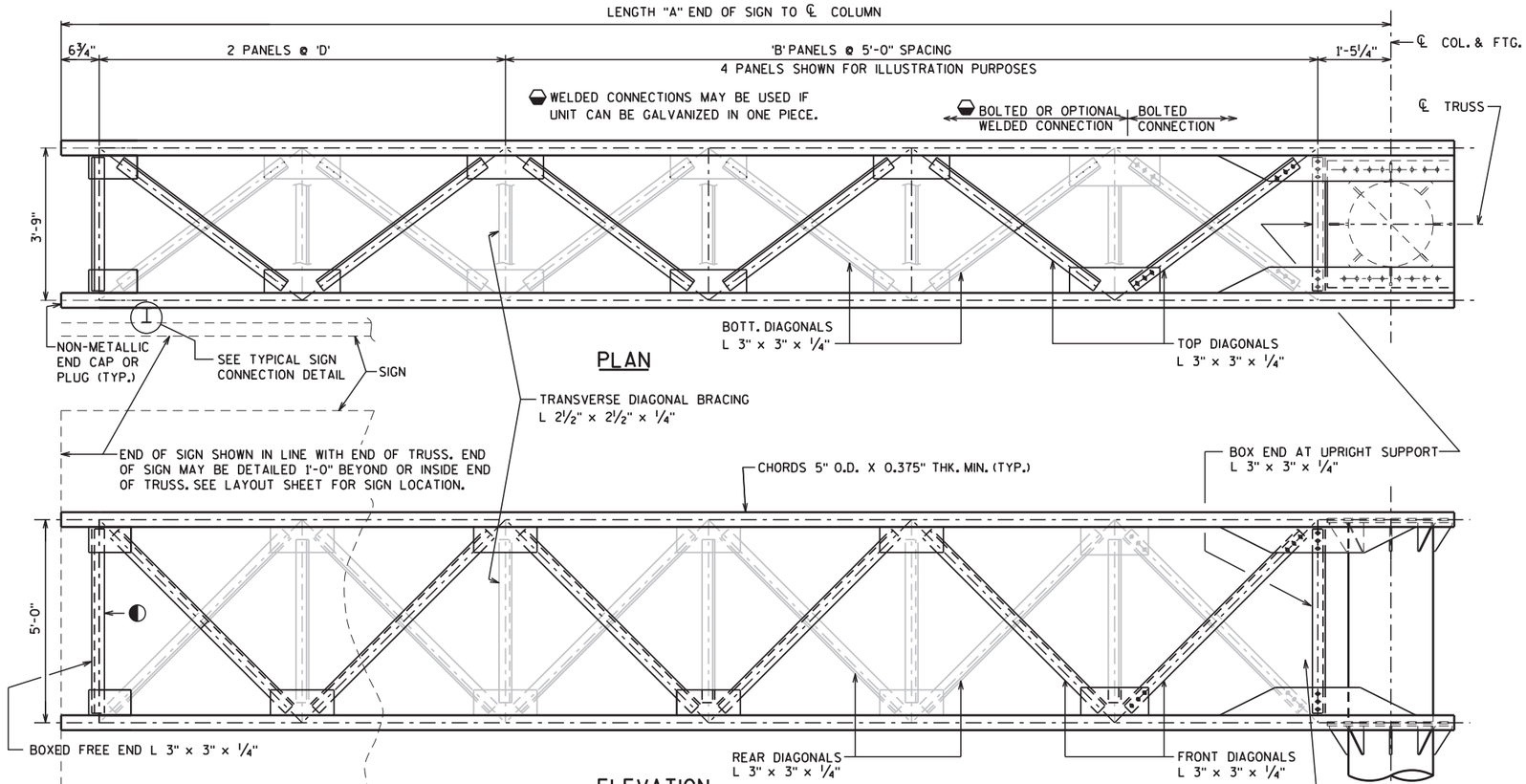
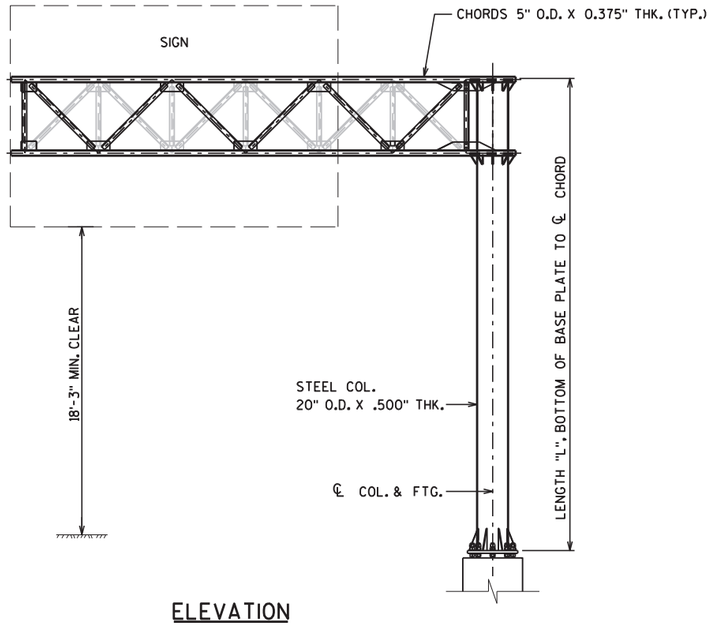
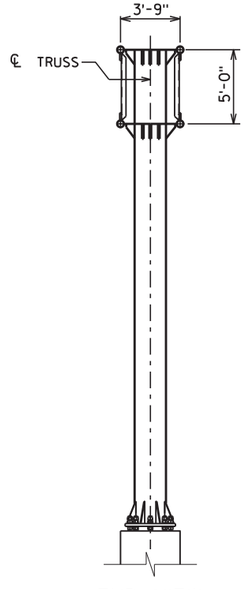
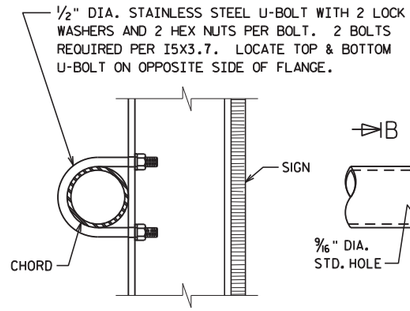
STATE PROJECT NUMBER
1420-22-71



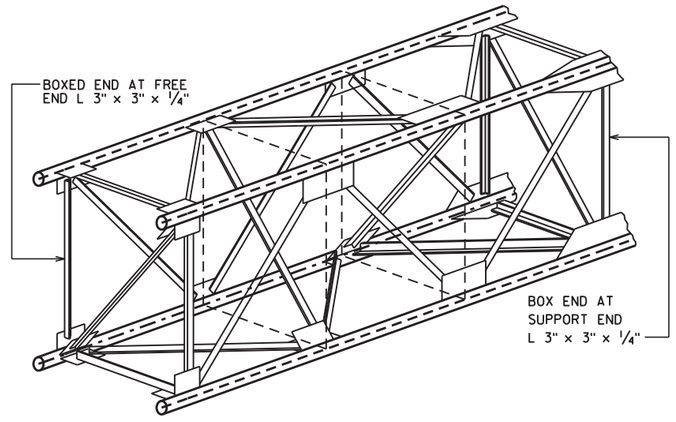






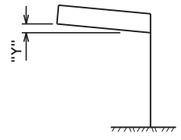
TYPICAL SIGN CONNECTION

FOR TYPE I AND II SIGNS ONLY



TYPICAL TRUSS SECTION

THE GENERAL PATTERN SHOWN ABOVE IS TO BE MAINTAINED WHEN ASSEMBLING TRUSSES.



CAMBER DIAGRAM

PREFABRICATE CAMBER INTO THE HORIZONTAL SUPPORT PROVIDING AN AMOUNT "Y" AT END OF TRUSS SHOWN. DO NOT RAKE VERTICAL UPRIGHT BY ADJUSTMENT OF LEVELING NUTS.

DIMENSIONS & CAMBER VALUES

STRUCTURE	"A"	"L"	"B"	"D"	"Y"
S-44-144	27'-0"	24'-2¼"	3	5'-0"	2¼"

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE S-44-144

DRAWN BY BRE | PLANS CK'D. CAB

GALVANIZED STEEL CANTILEVER SIGN TRUSS

SHEET 2 OF 4

602

8

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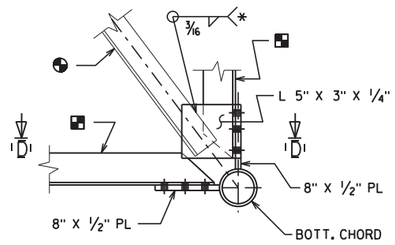
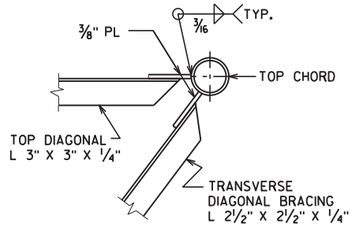
STATE PROJECT NUMBER

1420-22-71



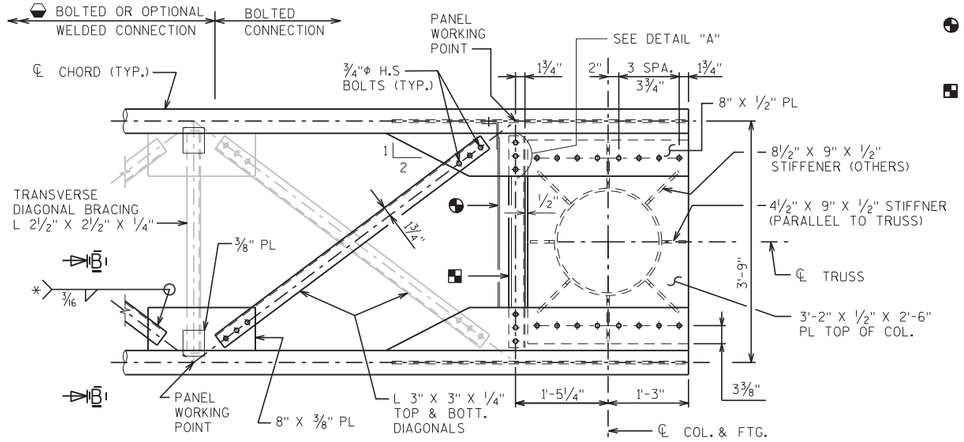
SECTION C-C



SECTION B-B

ANGLE SIZE	*WELD LENGTH (MIN.)
L 2 1/2"x2 1/2"x1/4"	7"
L 3"x3"x1/4"	8"

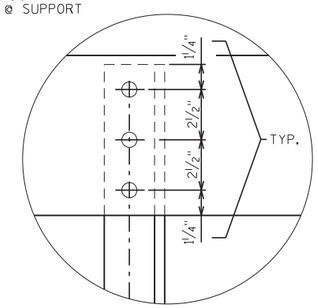
WELDED CONNECTIONS MAY BE USED IF UNIT CAN BE GALVANIZED IN ONE PIECE.



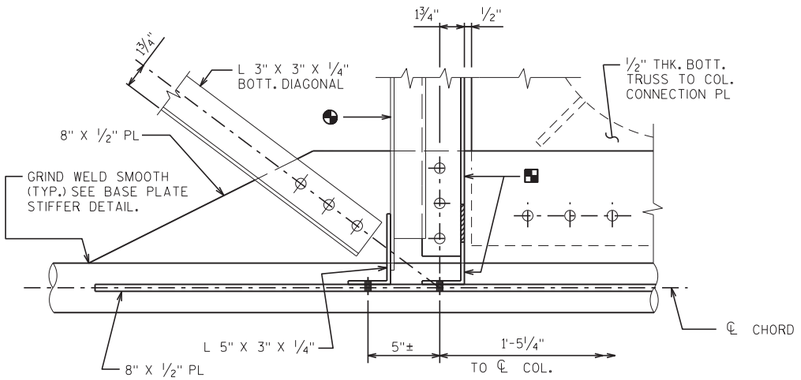
PLAN TRUSS TO COLUMN

TRANSVERSE DIAGONAL BRACING L 2 1/2" X 2 1/2" X 1/4"

L 3" X 3" X 1/4" BOXED END @ SUPPORT

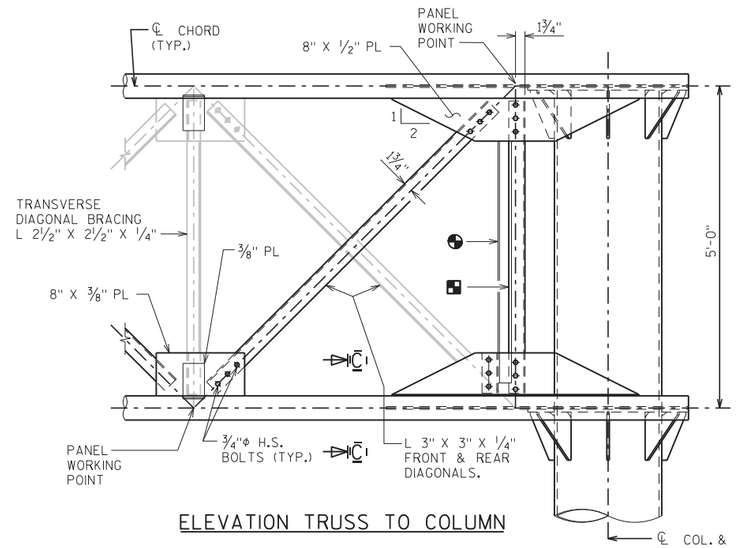


DETAIL "A"

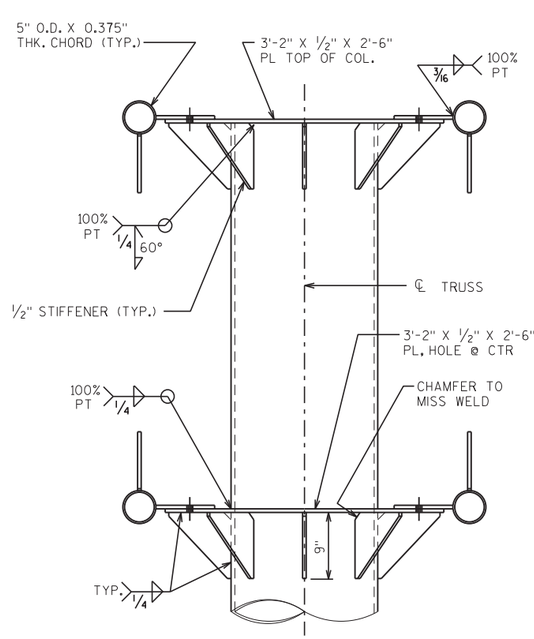


SECTION D-D

(LOOKING DOWN @ BOTT. HORIZ. PLANE @ FRONT CHORD)

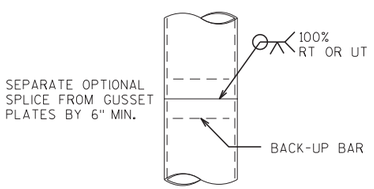


ELEVATION TRUSS TO COLUMN

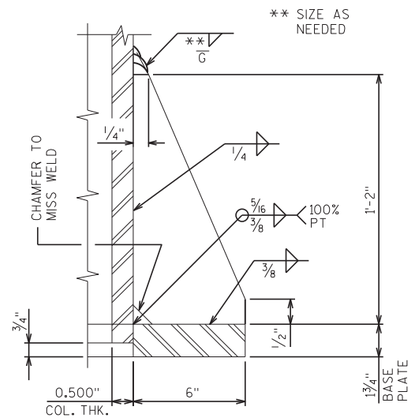


END VIEW TRUSS TO COLUMN

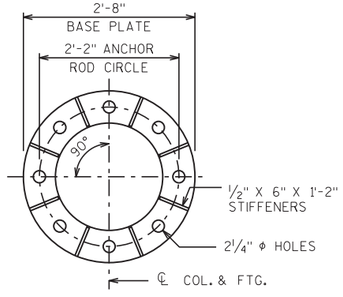
(WEB MEMBERS NOT SHOWN)

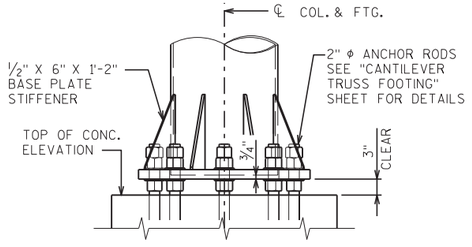


OPTIONAL COLUMN OR CHORD SPLICE DETAIL



BASE PLATE STIFFENER DETAIL





BASE PLATE DETAILS

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE S-44-144

DRAWN BY: BRE | PLANS CK'D.: CAB

GALVANIZED STEEL CANTILEVER SIGN TRUSS DETAILS

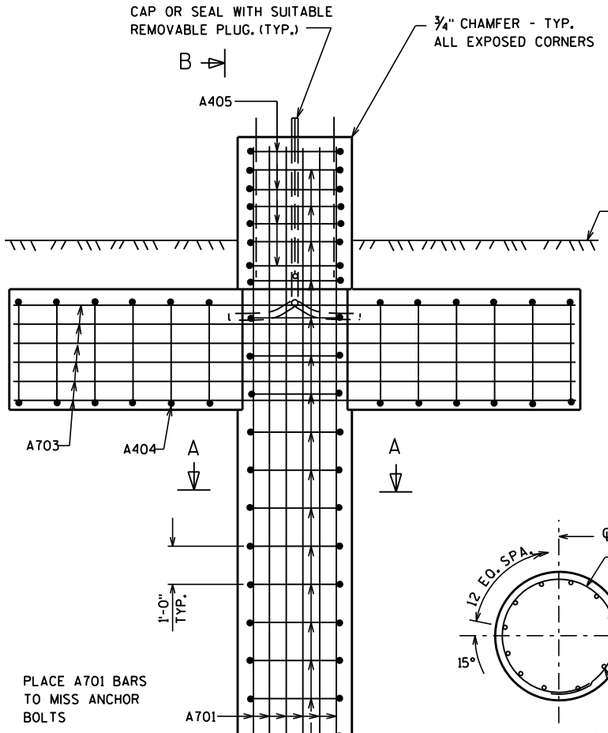
SHEET 3 OF 4

603

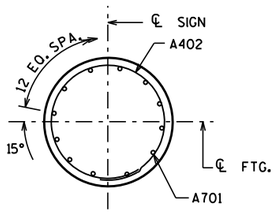
8

8

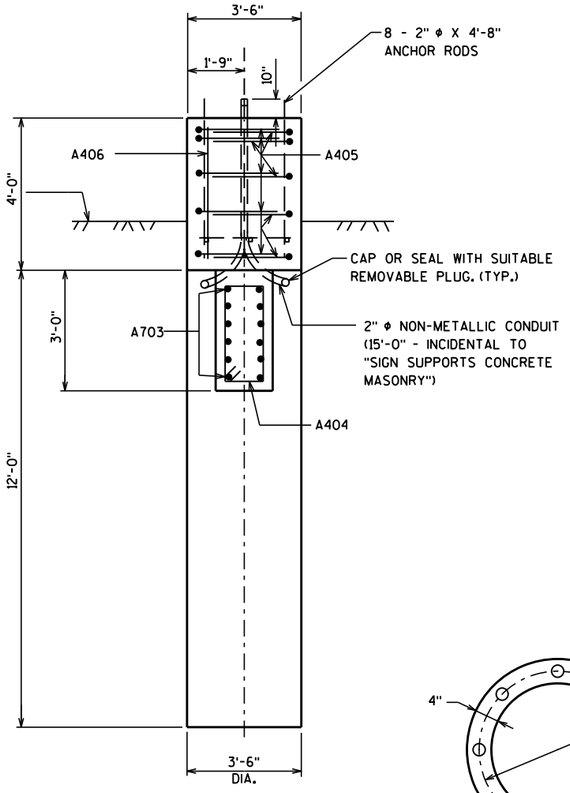
STATE PROJECT NUMBER
1420-22-71



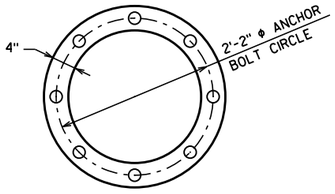
ELEVATION



SECTION A



SECTION B

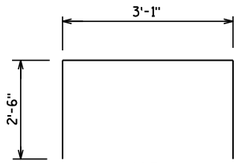


TOP VIEW OF TOP & BOTTOM TEMPLATES

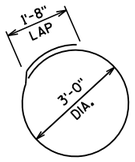
BILL OF BARS

980 LB.

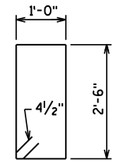
BAR MARK	COAT	NO. REQ'D	LENGTH	BENT	LOCATION
A701	X	12	15'-6"		FOOTING - COLUMN/TOP
A402	X	16	11'-2"	X	FOOTING - COLUMN/TOP
A703	X	12	15'-0"		FOOTING - WINGS
A404	X	12	7'-6"	X	FOOTING - WINGS
A405	X	10	7'-11"	X	FOOTING - TOP
A406	X	4	3'-6"		FOOTING - TOP - COLUMNS



A405



A402



A404
(STIRRUP)

NOTES

CONTRACTOR SHALL VERIFY UTILITY CONFLICTS PRIOR TO CONSTRUCTION OF FOOTING.

FOOTING BELOW THE WINGS SHALL BE EXCAVATED BY THE USE OF CIRCULAR AUGER.

THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE.

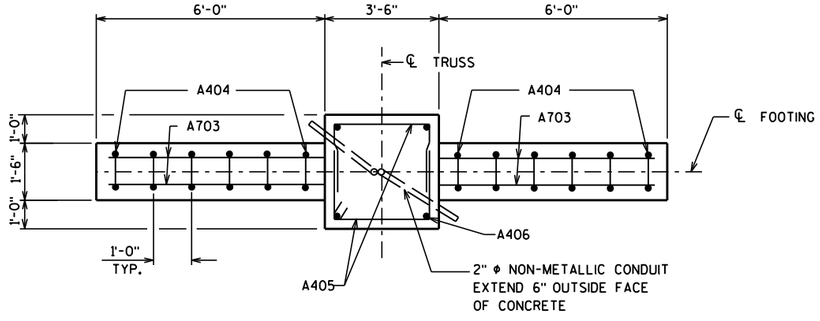
BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 3" CLEAR UNLESS DETAILED OTHERWISE.

BENDING DIMENSIONS ARE OUT TO OUT OF BAR.

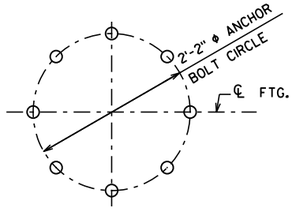
CENTER ANCHOR ROD ASSEMBLY TO MISS BAR STEEL REINFORCEMENT AND MAKE SURE IT IS PLUMB. MAINTAIN ANCHOR ROD PROJECTION ABOVE FOOTING AS DETAILED ON PLAN. ANCHOR ROD ASSEMBLY SHALL BE RIGIDLY SECURE IN POSITION DURING AND AFTER CONCRETE PLACEMENT. DO NOT WELD THE ANCHOR RODS.

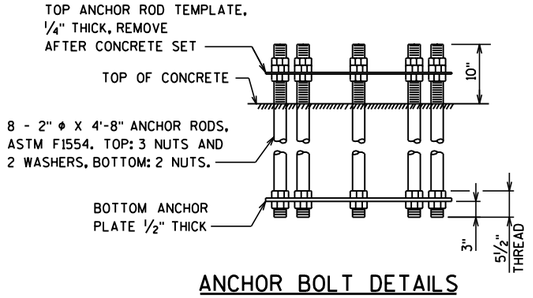
PROVIDE A ¾" CHAMFER ON ALL EXPOSED CONCRETE EDGES.

UNLESS NOTED ON PLAN, REMOVE ALL CASING AND FORMS USED TO CONSTRUCT THE FOOTING PRIOR TO BACKFILLING AROUND THE FOOTING. BACKFILL SHALL BE TAMPED TIGHT AGAINST THE BARE CONCRETE IN LAYERS OF 1'-0" OR LESS.



PLAN





ANCHOR BOLT DETAILS

FOUNDATION DATA

ALLOWABLE SOIL BEARING PRESSURE = 4,000 P.S.F.

TOTAL ESTIMATED QUANTITIES

(1 FTG.)

SIGN SUPPORTS CONCRETE MASONRY	8 C.Y.
SIGN SUPPORTS STEEL REINFORCEMENT HS	990 LB.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE S-44-144

DRAWN BY: BRE | PLANS CK'D.: CAB

CANTILEVER TRUSS FOOTING

SHEET 4 OF 4

604

8

8

STH 55 NB (DELANGLADE ST)

STATION	AREA (SF)			Incremental Vol (CY) (Unadjusted)			Cumulative Vol (CY)		
	Cut	Salvaged / Unusable Pavement Material	Fill	Cut Note 1	Salvaged / Unusable Pavement Material Note 2	Fill Note 3	Cut 1.00 Note 1	Expanded Fill 1.25	Mass Ordinate Note 8
209+58	268.12	67	0.00	0	0	0	0	0	0.00
210+00	178.88	30	0.00	348	75	0	348	0	272.22
210+30	161.68	29	0.00	189	33	0	537	0	428.64
210+50	149.91	29	0.17	115	21	0	652	0	522.48
211+00	148.72	29	0.05	277	54	0	929	0	745.04
211+50	133.13	29	0.31	261	54	0	1,190	1	951.89
212+00	128.19	29	0.85	242	54	1	1,432	2	1,138.81
212+50	214.88	29	0.00	318	54	1	1,749	3	1,401.78
212+64	280.77	51	0.00	129	21	0	1,878	3	1,509.54
213+00	136.77	29	0.44	278	53	0	2,156	3	1,734.19
213+50	125.15	29	1.46	243	54	2	2,399	6	1,920.81
214+00	127.37	29	0.66	234	54	2	2,633	8	2,098.47
214+39	149.15	29	0.34	200	42	1	2,832	9	2,255.38
214+50	140.08	29	0.35	59	12	0	2,891	9	2,302.31
215+00	131.08	29	0.64	251	54	1	3,142	10	2,498.53
215+50	182.70	29	0.37	291	54	1	3,433	12	2,734.19
216+00	177.26	44	0.92	333	68	1	3,766	13	2,998.40
216+50	134.22	29	0.46	288	68	1	4,055	15	3,217.62
217+00	137.71	29	0.26	252	54	1	4,306	15	3,414.87
217+25	147.92	29	0.51	132	27	0	4,439	16	3,519.82
217+50	120.02	29	1.72	124	27	1	4,563	17	3,615.73
217+70	120.02	29	1.72	89	21	1	4,652	19	3,681.56
218+00	129.88	29	1.18	139	32	2	4,790	21	3,786.17
218+50	165.52	15	0.00	274	41	1	5,064	22	4,017.59
218+66	258.90	15	0.00	126	9	0	5,190	22	4,134.45
218+81	308.46	15	0.00	158	8	0	5,347	22	4,283.72
219+00	244.60	15	6.84	195	11	2	5,542	25	4,464.75
219+50	150.74	15	20.04	366	28	25	5,908	56	4,771.91
219+70	150.74	15	20.04	112	11	15	6,020	75	4,853.90
219+88.63	129.50	15	15.94	97	10	12	6,116	90	4,924.72
220+22.3	99.13	0.00	124.47	143	9	88	6,259	200	4,948.49
220+50	87.23	0.00	112.58	96	0	122	6,354	352	4,892.09
221+00	81.79	0.00	103.35	157	0	200	6,511	602	4,798.67
221+50	52.88	0.00	13.10	125	0	108	6,636	736	4,788.58
222+00	72.17	0.00	17.84	116	0	29	6,751	772	4,868.55
222+25	84.84	0.00	46.74	73	0	30	6,824	810	4,903.86
222+50	112.65	0.00	4.98	91	0	24	6,915	840	4,965.36
				6,915	1,111	672			

STH 55 NB (DELANGLADE ST)

STATION	AREA (SF)			Incremental Vol (CY) (Unadjusted)			Cumulative Vol (CY)		
	Cut	Salvaged / Unusable Pavement Material	Fill	Cut	Salvaged / Unusable Pavement Material	Fill	Cut 1.00	Expanded Fill 1.25	Mass Ordinate
				Note 1	Note 2	Note 3	Note 1		Note 8
224+25	125.73	0.00	119.06	0	0	0	0	0	0.00
224+50	103.66	0.00	96.39	106	0	100	106	125	-18.48
225+00	87.98	0.00	77.93	177	0	161	284	326	-42.80
225+50	79.50	0.00	54.37	155	0	122	439	480	-40.84
226+00	82.15	0.00	40.54	150	0	88	588	589	-1.01
226+50	87.57	0.00	28.59	157	0	64	746	669	76.12
227+00	157.59	0.00	71.74	227	0	93	973	786	186.99
227+50	170.00	0.00	34.12	303	0	98	1,276	908	367.80
228+00	216.17	0.00	10.50	358	0	41	1,633	960	673.73
228+16	240.55	0.00	8.13	135	0	6	1,769	967	802.15
228+50	213.94	0.00	8.24	286	0	10	2,055	980	1,075.42
229+00	222.90	0.00	7.76	404	0	15	2,459	998	1,461.39
229+50	312.28	0.00	5.67	496	0	12	2,955	1,014	1,941.38
230+00	236.63	0.00	19.09	508	0	23	3,463	1,042	2,420.97
230+50	252.04	0.00	17.69	452	0	34	3,916	1,085	2,830.88
231+00	272.77	0.00	29.54	486	0	44	4,402	1,139	3,262.15
231+50	320.59	0.00	3.45	549	0	31	4,951	1,178	3,773.37
231+75	382.62	0.00	4.70	326	0	4	5,277	1,182	4,094.21
232+00	334.04	0.00	4.77	332	0	4	5,608	1,188	4,420.52
232+50	316.70	0.00	19.54	603	0	23	6,211	1,216	4,994.93
233+00	328.00	0.00	20.71	597	0	37	6,808	1,263	5,545.30
233+50	325.69	0.00	21.22	605	0	39	7,413	1,311	6,102.04
234+00	369.06	0.00	25.81	643	0	44	8,056	1,366	6,690.89
234+30	403.00	0.00	86.65	429	0	62	8,485	1,444	7,041.71
234+50	365.01	0.00	30.49	284	0	43	8,770	1,498	7,271.93
235+00	257.45	0.00	21.05	576	0	48	9,346	1,557	7,788.63
235+50	228.67	0.00	30.96	450	0	48	9,796	1,618	8,178.55
236+00	211.19	0.00	58.57	407	0	83	10,204	1,721	8,482.20
236+50	191.87	0.00	80.27	373	0	129	10,577	1,882	8,694.71
237+00	173.03	0.00	93.81	338	0	161	10,915	2,084	8,831.09
237+50	199.29	0.00	29.55	345	0	114	11,259	2,226	9,033.06
237+75	216.75	0.00	27.01	193	0	26	11,452	2,259	9,192.95
238+00	190.17	0.00	40.82	188	0	31	11,640	2,298	9,342.09
238+50	206.68	0.00	22.10	367	0	58	12,008	2,371	9,636.73
239+00	230.23	0.00	17.09	405	0	36	12,412	2,416	9,995.91
239+50	303.37	0.00	1.91	494	0	18	12,906	2,438	10,467.98
240+00	302.44	0.00	0.05	561	0	2	13,467	2,441	11,026.65
240+50	345.02	0.00	0.00	600	0	0	14,067	2,441	11,626.10
241+00	355.80	0.00	0.00	649	0	0	14,716	2,441	12,275.01
241+50	460.26	0.00	0.00	756	0	0	15,471	2,441	13,030.62
242+00	301.95	0.00	0.00	706	0	0	16,177	2,441	13,736.37
242+50	272.66	0.00	1.11	532	0	1	16,709	2,442	14,267.14
243+00	255.97	0.00	5.33	489	0	6	17,199	2,450	14,749.17
243+50	303.07	0.00	27.18	518	0	30	17,716	2,487	15,229.17
244+00	116.14	0.00	41.04	388	0	63	18,104	2,566	15,538.37
244+50	123.36	0.00	39.38	222	0	74	18,326	2,659	15,667.05
245+00	133.69	0.00	44.73	238	0	78	18,564	2,757	15,807.70
245+50	156.86	0.00	38.17	269	0	77	18,833	2,852	15,980.79
246+00	158.11	0.00	42.47	292	0	75	19,125	2,946	16,179.11
246+50	177.72	0.00	0.81	311	0	40	19,436	2,996	16,439.98
247+00	187.85	0.00	0.00	338	0	1	19,774	2,997	16,777.53
247+50	248.99	0.00	0.00	404	0	0	20,179	2,997	17,182.00
247+75	333.17	0.00	0.22	270	0	0	20,448	2,997	17,451.39
				20,448	0	2,398			

STH 55 SB (DELANGLADE ST)

STATION	AREA (SF)			Incremental Vol (CY) (Unadjusted)			Cumulative Vol (CY)		
	Cut	Salvaged / Unusable Pavement Material	Fill	Cut	Salvaged / Unusable Pavement Material	Fill	Cut 1.00	Expanded Fill 1.25	Mass Ordinate
				Note 1	Note 2	Note 3	Note 1		Note 8
221+50	28.49	0.00	101.70	0	0	0	0	0	0.00
222+00	33.56	0.00	121.63	57	0	207	57	258	-201.04
222+25	53.90	0.00	103.65	40	0	104	98	389	-290.92
222+50	63.48	0.00	100.51	54	0	95	152	507	-354.72
				152	0	406			

STH 55 SB (DELANGLADE ST)

STATION	AREA (SF)			Incremental Vol (CY) (Unadjusted)			Cumulative Vol (CY)		
	Cut	Salvaged / Unusable Pavement Material	Fill	Cut	Salvaged / Unusable Pavement Material	Fill	Cut 1.00	Expanded Fill 1.25	Mass Ordinate
				Note 1	Note 2	Note 3	Note 1		Note 8
224+25	65.86	0.00	230.09	0	0	0	0	0	0.00
224+50	72.20	0.00	219.67	64	0	208	64	260	-196.37
225+00	89.31	0.00	168.46	150	0	359	213	710	-496.05
225+50	70.04	0.00	128.21	148	0	275	361	1,053	-691.87
226+00	58.78	0.00	115.43	119	0	226	480	1,335	-854.57
226+50	55.03	0.00	87.38	105	0	188	586	1,570	-983.92
				586	0	1,256			

STH 55 SB (DELANGLADE ST)

STATION	AREA (SF)			Incremental Vol (CY) (Unadjusted)			Cumulative Vol (CY)		
	Cut	Salvaged / Unusable Pavement Material	Fill	Cut	Salvaged / Unusable Pavement Material	Fill	Cut 1.00	Expanded Fill 1.25	Mass Ordinate
				Note 1	Note 2	Note 3	Note 1		Note 8
244+00	133.13	0.00	25.81	0	0	0	0	0	0.00
244+50	134.76	0.00	33.21	248	0	55	248	68	179.74
245+00	133.30	0.00	146.70	248	0	167	496	277	219.71
245+50	132.93	0.00	38.92	247	0	172	743	491	251.38
246+00	118.50	0.00	21.60	233	0	56	976	561	414.15
246+50	134.63	0.00	0.00	234	0	20	1,210	586	623.53
247+00	135.13	0.00	0.00	250	0	0	1,460	586	873.30
247+50	195.19	0.00	0.00	306	0	0	1,766	586	1,179.15
247+75	221.75	0.00	0.00	193	0	0	1,959	586	1,372.18
				1,959	0	469			

OVIATT STREET

STATION	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 1.00 Note 1	Cumulative Vol (CY) Expanded Fill 1.25	Mass Ordinate Note 8
09+00	61.33	0.00	0.23	0	0	0	0	0	0.00
09+10	66.22	0.00	0.21	24	0	0	24	0	23.52
09+50	76.55	0.00	0.15	106	0	0	129	0	128.94
				129	0	0			

DESNOYER STREET EAST

STATION	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 1.00 Note 1	Cumulative Vol (CY) Expanded Fill 1.25	Mass Ordinate Note 8
21+50	77.78	0.00	1.18	0	0	0	0	0	0.00
22+00	61.52	0.00	0.00	129	0	1	129	1	127.61
				129	0	1			

CTH OO EB (HYLAND AVE)

STATION	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 1.00 Note 1	Cumulative Vol (CY) Expanded Fill 1.25	Mass Ordinate Note 8
12+67	96.81	35.00	5.98	0	0	0	0	0	0.00
13+00	96.43	35.00	5.42	118	43	7	118	9	66.60
13+42	117.01	35.00	4.20	166	54	7	284	18	168.82
13+50	116.62	35.00	5.00	35	10	1	319	20	191.36
14+00	91.65	35.00	13.11	193	65	17	512	41	298.43
14+50	119.71	35.00	0.00	196	65	12	707	56	414.15
14+57	123.30	35.00	0.00	32	9	0	739	56	436.58
14+65	126.31	35.00	0.00	37	10	0	776	56	463.19
15+00	110.39	35.00	12.13	153	45	8	929	66	561.41
15+50	141.63	35.00	32.76	233	65	42	1,163	118	677.99
				1,163	367	94			

CTH OO EB (HYLAND AVE)

STATION	AREA (SF)			Incremental Vol (CY) (Unadjusted)			Cumulative Vol (CY)		
	Cut	Salvaged / Unusable Pavement Material	Fill	Cut	Salvaged / Unusable Pavement Material	Fill	Cut 1.00	Expanded Fill 1.25	Mass Ordinate
				Note 1	Note 2	Note 3	Note 1		Note 8
16+00	59.88	13.00	79.22	0	0	0	0	0	0.00
16+50	79.25	14.00	60.05	129	25	129	129	161	-57.37
17+00	169.64	16.00	53.65	230	28	105	359	293	13.71
17+50	157.88	21.00	79.17	303	34	123	663	447	128.98
18+00	133.71	24.00	96.10	270	42	162	933	649	154.45
18+25	128.37	24.00	102.44	121	22	92	1,054	764	138.67
				1,054	151	611			

CTH OO EB (HYLAND AVE)

STATION	AREA (SF)			Incremental Vol (CY) (Unadjusted)			Cumulative Vol (CY)		
	Cut	Salvaged / Unusable Pavement Material	Fill	Cut	Salvaged / Unusable Pavement Material	Fill	Cut 1.00	Expanded Fill 1.25	Mass Ordinate
				Note 1	Note 2	Note 3	Note 1		Note 8
20+00	42.53	22.00	76.24	0	0	0	0	0	0.00
20+50	41.06	22.00	3.20	77	41	74	77	92	-55.28
21+00	44.75	22.00	0.19	79	41	3	157	96	-20.48
21+50	53.72	31.00	0.00	91	49	0	248	96	21.40
22+00	55.09	32.00	0.07	101	58	0	349	96	63.73
22+50	111.46	35.00	0.07	154	62	0	503	96	155.74
23+00	78.52	35.00	43.65	176	65	40	679	147	216.22
23+50	55.30	35.00	55.45	124	65	92	803	262	160.61
24+00	65.19	16.00	36.26	112	47	85	914	368	118.81
24+50	100.65	16.00	24.83	154	30	57	1,068	438	172.03
25+00	99.19	16.00	24.43	185	30	46	1,253	495	270.42
25+50	87.85	16.00	26.44	173	30	47	1,426	554	355.09
26+00	82.62	16.00	39.78	158	30	61	1,584	631	406.65
26+39	76.44	16.00	11.63	115	23	37	1,699	677	452.00
				1,699	569	542			

CTH OO WB (HYLAND AVE)

STATION	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 1.00 Note 1	Cumulative Vol (CY) Expanded Fill 1.25	Mass Ordinate Note 8
15+75	62.97	17.00	72.26	0	0	0	0	0	0.00
16+00	121.85	22.00	36.28	86	18	50	86	63	4.70
16+50	146.45	20.00	27.87	248	39	59	334	137	139.99
17+00	110.63	18.00	44.24	238	35	67	572	221	259.38
17+50	76.64	14.00	106.13	173	30	139	745	395	229.10
18+00	80.73	12.00	185.47	146	24	270	891	732	13.24
18+25	37.51	13.00	292.44	55	12	221	946	1,009	-220.15
				946	157	807			

CTH OO WB (HYLAND AVE)

STATION	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 1.00 Note 1	Cumulative Vol (CY) Expanded Fill 1.25	Mass Ordinate Note 8
20+00	64.96	15.00	98.33	0	0	0	0	0	0.00
20+50	53.19	13.00	77.40	109	26	163	109	203	-119.91
21+00	41.94	10.00	75.35	88	21	141	197	380	-229.92
21+50	34.64	4.00	71.82	71	13	136	268	551	-342.31
22+00	24.58	2.00	26.47	55	6	91	323	664	-406.79
22+25	41.28	1.00	0.00	30	1	12	354	680	-393.01
				354	67	544			

BADGER ROAD

STATION	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 1.00 Note 1	Cumulative Vol (CY) Expanded Fill 1.25	Mass Ordinate Note 8
50+50	230.45	24.00	0.00	0	0	0	0	0	0.00
51+00	145.39	24.00	0.00	348	44	0	348	0	303.55
51+27	153.79	24.00	0.00	150	24	0	498	0	429.14
51+50	110.55	24.00	0.00	113	20	0	610	0	521.28
52+00	99.71	24.00	0.00	195	44	0	805	0	671.52
52+12	93.57	24.00	0.00	43	11	0	848	0	703.81
52+50	70.52	24.00	0.34	115	34	0	963	0	785.21
				963	178	0			

STH 55 NB (LAWE ST)

STATION	AREA (SF)			Incremental Vol (CY) (Unadjusted)			Cumulative Vol (CY)		
	Cut	Salvaged / Unusable Pavement Material	Fill	Cut	Salvaged / Unusable Pavement Material	Fill	Cut 1.00	Expanded Fill 1.25	Mass Ordinate
				Note 1	Note 2	Note 3	Note 1		Note 8
207+50	139.17	38.00	1.86	0	0	0	0	0	0.00
208+00	121.53	38.00	12.36	241	70	13	241	16	154.56
208+13	121.51	38.00	7.08	59	18	5	300	22	188.93
208+50	125.20	38.00	1.46	169	52	6	469	30	298.58
209+00	142.47	58.00	17.68	248	89	18	717	52	435.38
				717	230	41			

CTH J (LAWE ST)

STATION	AREA (SF)			Incremental Vol (CY) (Unadjusted)			Cumulative Vol (CY)		
	Cut	Salvaged / Unusable Pavement Material	Fill	Cut	Salvaged / Unusable Pavement Material	Fill	Cut 1.00	Expanded Fill 1.25	Mass Ordinate
				Note 1	Note 2	Note 3	Note 1		Note 8
100+50	119.61	0.00	3.95	0	0	0	0	0	0.00
100+75	111.48	0.00	2.05	107	0	3	107	3	103.51
100+93	128.90	0.00	0.74	80	0	1	187	5	182.47
101+00	121.98	0.00	0.97	33	0	0	220	5	214.72
				220	0	4			

STH 96 (PLANK RD)

STATION	AREA (SF)			Incremental Vol (CY) (Unadjusted)			Cumulative Vol (CY)		
	Cut	Salvaged / Unusable Pavement Material	Fill	Cut	Salvaged / Unusable Pavement Material	Fill	Cut 1.00	Expanded Fill 1.25	Mass Ordinate
				Note 1	Note 2	Note 3	Note 1		Note 8
310+00	205.43	50.00	0.54	0	0	0	0	0	0.00
310+50	118.66	38.00	13.45	300	81	13	300	16	202.41
311+00	114.11	38.00	5.03	216	70	17	516	38	326.19
311+50	156.00	38.00	0.00	250	70	5	766	43	500.10
312+00	171.65	38.00	0.00	303	70	0	1,069	43	733.11
312+50	154.58	38.00	0.00	302	70	0	1,371	43	964.80
313+00	127.11	38.00	0.00	261	70	0	1,632	43	1,155.26
313+25	131.90	38.00	0.00	120	35	0	1,752	43	1,239.98
313+50	116.50	38.00	0.00	115	35	0	1,867	43	1,319.80
313+65	131.62	38.00	0.00	69	21	0	1,936	43	1,367.61
314+00	131.48	38.00	0.00	171	49	0	2,106	43	1,488.88
314+50	0.00	7.00	0.00	122	42	0	2,228	43	1,568.95
314+89	0.00	7.00	0.00	0	10	0	2,228	43	1,558.84
				2,228	626	35			

STH 55 NB (DELANGLADE ST)

STATION	AREA (SF)			Incremental Vol (CY) (Unadjusted)			Cumulative Vol (CY)		
	Cut	Salvaged / Unusable Pavement Material	Fill	Cut	Salvaged / Unusable Pavement Material	Fill	Cut 1.00	Expanded Fill 1.25	Mass Ordinate
				Note 1	Note 2	Note 3	Note 1		Note 8
249+86	326.31	0.00	0.00	0	0	0	0	0	0.00
250+00	276.54	0.00	0.00	156	0	0	156	0	156.29
250+50	195.17	0.00	0.00	437	0	0	593	0	593.05
251+00	203.56	0.00	0.00	369	0	0	962	0	962.24
251+50	219.36	0.00	0.00	392	0	0	1,354	0	1,353.84
252+00	262.85	0.00	21.88	446	0	20	1,800	25	1,775.01
252+50	226.85	0.00	75.44	453	0	90	2,254	138	2,115.79
253+00	182.96	0.00	158.45	379	0	217	2,633	409	2,224.53
				2,633	0	327			

STH 55 NB (DELANGLADE ST)

STATION	AREA (SF)			Incremental Vol (CY) (Unadjusted)			Cumulative Vol (CY)		
	Cut	Salvaged / Unusable Pavement Material	Fill	Cut	Salvaged / Unusable Pavement Material	Fill	Cut 1.00	Expanded Fill 1.25	Mass Ordinate
				Note 1	Note 2	Note 3	Note 1		Note 8
255+50	139.01	0.00	8.62	0	0	0	0	0	0.00
256+00	96.83	0.00	18.07	218	0	25	218	31	187.49
256+50	168.51	0.00	48.38	246	0	62	464	108	356.26
257+00	171.36	0.00	24.16	315	0	67	779	192	586.99
257+50	198.46	0.00	0.79	342	0	23	1,121	221	900.55
258+00	198.68	0.00	0.77	368	0	1	1,489	222	1,266.46
258+50	180.38	0.00	0.88	351	0	2	1,840	224	1,615.54
259+00	144.82	0.00	34.30	301	0	33	2,141	265	1,875.93
259+25	134.31	0.00	69.85	129	0	48	2,270	325	1,944.89
259+50	78.67	0.00	34.77	99	0	48	2,369	386	1,982.95
259+75	109.31	0.00	23.95	87	0	27	2,456	420	2,035.99
				2,456	0	336			

STH 55 NB (DELANGLADE ST)

STATION	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 1.00 Note 1	Expanded Fill 1.25	Mass Ordinate Note 8
262+25	347.30	0.00	0.00	0	0	0	0	0	0.00
262+50	225.84	0.00	13.72	265	0	6	265	8	257.40
263+00	108.92	0.00	42.46	310	0	52	575	73	502.34
263+50	98.06	0.00	36.04	192	0	73	767	164	603.12
264+00	70.42	0.00	16.55	156	0	49	923	225	698.25
264+50	55.15	0.00	11.94	116	0	26	1,039	258	781.54
265+00	149.20	0.00	0.00	189	0	11	1,228	271	956.94
265+50	133.04	0.00	0.00	261	0	0	1,490	271	1,218.27
266+00	80.18	0.00	8.96	197	0	8	1,687	282	1,405.32
266+50	98.86	0.00	6.00	166	0	14	1,853	299	1,553.77
267+00	104.20	0.00	4.38	188	0	10	2,041	311	1,729.78
267+50	91.28	0.00	5.58	181	0	9	2,222	323	1,899.25
268+00	80.42	0.00	7.84	159	0	12	2,381	338	2,042.70
268+35	146.31	0.00	8.88	147	0	11	2,528	352	2,176.11
				2,528	0	281			

STH 55 SB (DELANGLADE ST)

STATION	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 1.00 Note 1	Expanded Fill 1.25	Mass Ordinate Note 8
249+75	198.67	0.00	0.00	0	0	0	0	0	0.00
250+00	218.71	0.00	0.00	193	0	0	193	0	193.23
250+50	190.23	0.00	0.00	379	0	0	572	0	571.88
251+00	150.72	0.00	0.67	316	0	1	888	1	886.80
251+50	23.60	0.00	45.95	161	0	43	1,049	55	994.26
252+00	16.25	0.00	137.17	37	0	170	1,086	267	819.21
252+50	15.43	0.00	114.39	29	0	233	1,115	558	557.38
253+00	21.47	0.00	88.95	34	0	188	1,149	793	356.19
253+50	33.21	0.00	140.79	51	0	213	1,200	1,059	140.92
				1,200	0	847			

STH 55 SB (DELANGLADE ST)

STATION	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 1.00 Note 1	Expanded Fill 1.25	Mass Ordinate Note 8
255+50	78.59	0.00	50.01	0	0	0	0	0	0.00
256+00	101.31	0.00	41.45	167	0	85	167	106	60.72
				167	0	85			

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STH 55 SB (DELANGLADE ST)

STATION	AREA (SF)			Incremental Vol (CY) (Unadjusted)			Cumulative Vol (CY)		
	Cut	Salvaged / Unusable Pavement Material	Fill	Cut	Salvaged / Unusable Pavement Material	Fill	Cut 1.00	Expanded Fill 1.25	Mass Ordinate
				Note 1	Note 2	Note 3	Note 1		Note 8
259+50	69.24	0.00	38.73	0	0	0	0	0	0.00
259+75	43.65	0.00	38.79	52	0	36	52	45	7.40
260+00	32.89	0.00	25.80	35	0	30	88	82	5.46
				88	0	66			

STH 55 SB (DELANGLADE ST)

STATION	AREA (SF)			Incremental Vol (CY) (Unadjusted)			Cumulative Vol (CY)		
	Cut	Salvaged / Unusable Pavement Material	Fill	Cut	Salvaged / Unusable Pavement Material	Fill	Cut 1.00	Expanded Fill 1.25	Mass Ordinate
				Note 1	Note 2	Note 3	Note 1		Note 8
262+00	329.54	0.00	4.92	0	0	0	0	0	0.00
262+50	302.45	0.00	6.32	585	0	10	585	13	572.17
263+00	275.52	0.00	3.07	535	0	9	1,120	24	1,096.46
263+50	225.60	0.00	3.45	464	0	6	1,584	31	1,552.91
264+00	193.99	0.00	10.64	389	0	13	1,973	48	1,925.11
264+50	151.01	0.00	20.73	319	0	29	2,292	84	2,208.23
265+00	103.68	0.00	19.18	236	0	37	2,528	130	2,397.85
265+50	85.49	0.00	6.82	175	0	24	2,703	160	2,542.92
266+00	69.99	0.00	3.91	144	0	10	2,847	173	2,674.47
266+50	55.17	0.00	19.76	116	0	22	2,963	200	2,762.97
267+00	60.76	0.00	34.44	107	0	50	3,070	263	2,807.59
267+50	66.44	0.00	42.40	118	0	71	3,188	352	2,836.42
268+00	70.34	0.00	46.63	127	0	82	3,315	455	2,860.02
268+50	79.37	0.00	47.54	139	0	87	3,453	564	2,889.64
269+00	87.12	0.00	50.67	154	0	91	3,608	678	2,930.13
269+50	89.68	0.00	64.42	164	0	107	3,771	811	2,960.63
270+00	95.62	0.00	71.07	172	0	125	3,943	968	2,975.38
270+48	100.90	0.00	0.00	175	0	63	4,118	1,047	3,071.10
270+50	0.00	0.00	0.00	4	0	0	4,121	1,047	3,074.84
				4,121	0	837			

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GERTRUDE ST EB

STATION	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 1.00 Note 1	Cumulative Vol (CY) Expanded Fill 1.25	Mass Ordinate Note 8
29+72.35	81.79	0.00	6.43	0	0	0	0	0	0.00
30+00	72.27	0.00	7.09	79	0	7	79	9	70.24
30+50	76.93	0.00	6.12	138	0	12	217	24	193.10
30+72	78.17	0.00	9.63	63	0	6	280	32	248.27
31+00	57.81	0.00	16.43	71	0	14	351	49	301.89
31+38	81.14	0.00	8.73	98	0	18	449	71	377.53
31+50	81.27	0.00	6.76	36	0	3	485	75	409.32
31+86	71.73	0.00	5.89	102	0	8	587	86	500.77
32+00	80.74	0.00	6.15	40	0	3	626	90	536.40
32+50	41.60	0.00	2.02	113	0	8	739	99	640.22
32+62	52.32	0.00	0.00	21	0	0	760	100	660.53
32+84	66.71	0.00	0.00	48	0	0	809	100	709.03
33+00	89.04	0.00	0.00	46	0	0	855	100	755.18
33+18	125.07	0.00	0.00	71	0	0	926	100	826.55
33+50	164.10	0.00	0.00	171	0	0	1,098	100	997.91
33+75	195.19	0.00	0.00	166	0	0	1,264	100	1,164.25
33+90.01	206.74	0.00	0.00	112	0	0	1,376	100	1,275.96
				1,376	0	80			

GERTRUDE ST EB

STATION	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 1.00 Note 1	Cumulative Vol (CY) Expanded Fill 1.25	Mass Ordinate Note 8
32+50	58.09	0.00	0.36	0	0	0	0	0	0.00
32+84	101.48	0.00	0.00	100	0	0	100	0	100.19
33+00	117.03	0.00	0.00	65	0	0	165	0	164.93
33+50	102.96	0.00	2.57	204	0	2	369	3	365.66
33+75	149.73	0.00	0.92	117	0	2	486	5	480.63
33+90	179.24	0.00	0.74	91	0	0	577	6	571.46
				577	0	5			

MALONEY RD EB

STATION	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 1.00 Note 1	Cumulative Vol (CY) Expanded Fill 1.25	Mass Ordinate Note 8
36+25	175.85	0.00	0.00	0	0	0	0	0	0.00
36+50	132.13	0.00	0.00	143	0	0	143	0	142.58
37+00	85.36	0.00	0.00	201	0	0	344	0	343.96
37+50	59.86	3.00	1.27	134	3	1	478	1	474.19
38+00	115.20	33.00	3.31	162	33	4	641	7	597.65
38+23	129.84	33.00	1.25	104	28	2	745	9	671.48
38+50	103.72	33.00	2.05	117	33	2	862	11	753.20
38+93	112.47	33.00	0.48	172	53	2	1,034	14	870.29
39+00	112.79	33.00	0.16	29	9	0	1,063	14	890.83
39+50	96.54	33.00	0.23	194	61	0	1,257	14	1,023.09
39+69	106.51	33.00	0.01	71	23	0	1,328	14	1,071.20
39+79	106.27	33.00	0.00	39	12	0	1,368	14	1,098.38
40+00	91.54	33.00	0.00	77	26	0	1,445	14	1,149.64
40+50	93.06	33.00	0.00	171	61	0	1,616	14	1,259.45
				1,616	342	12			

MALONEY RD WB

STATION	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 1.00 Note 1	Cumulative Vol (CY) Expanded Fill 1.25	Mass Ordinate Note 8
36+25	283.33	0.00	0.00	0	0	0	0	0	0.00
36+50	249.02	0.00	0.00	246	0	0	246	0	246.46
37+00	217.21	0.00	0.00	432	0	0	678	0	678.15
37+50	82.95	0.00	0.01	278	0	0	956	0	956.06
				956	0	0			

IH-41 NB OFF RAMP ("AA")

STATION	AREA (SF)				Incremental Vol (CY) (Unadjusted)				Cumulative Vol (CY)			Mass Ordinate
	Cut	Salvaged/Unusable Pavement Material	Fill	EBS	Cut	Salvaged/Unusable Pavement Material	Fill	EBS	Cut 1.00	Expanded Fill 1.25	Expanded EBS Backfill 1.25	
					Note 1	Note 2	Note 3		Note 1		Note 5	Note 8
1111+50	22.05	0.00	58.80	0.00	0	0	0	0	0	0	0	0.00
1112+00	31.06	0.00	63.00	0.00	49	0	113	0	49	141	0	-91.79
1112+50	38.69	0.00	69.30	0.00	65	0	122	0	114	294	0	-180.32
1113+00	39.82	0.00	80.51	0.00	73	0	139	0	186	467	0	-281.02
1113+50	23.02	0.00	102.67	0.00	58	0	170	0	245	679	0	-434.85
1114+00	18.27	0.00	106.08	0.00	38	0	193	0	283	921	0	-638.22
1114+50	16.70	0.00	105.76	0.00	32	0	196	0	315	1,166	0	-851.02
1115+00	19.24	0.00	117.13	0.00	33	0	206	0	349	1,424	0	-1,075.72
1115+50	21.90	0.00	124.61	0.00	38	0	224	0	387	1,704	0	-1,317.42
1116+00	22.64	0.00	143.27	0.00	41	0	248	0	428	2,014	0	-1,586.23
1116+50	24.60	1.56	136.88	1.69	44	1	259	2	472	2,338	2	-1,870.14
1117+00	27.37	5.07	118.30	8.66	48	10	236	10	520	2,634	14	-2,138.92
1117+50	37.76	8.93	94.95	20.57	60	27	197	27	580	2,880	48	-2,386.33
1118+00	65.25	11.68	60.21	15.00	95	33	144	33	675	3,060	89	-2,544.64
1118+50	159.01	11.77	21.36	0.00	208	14	76	14	883	3,154	106	-2,462.65
1119+00	258.89	11.11	6.56	0.00	387	0	26	0	1,270	3,187	106	-2,108.01
1119+50	306.01	11.74	0.00	0.00	523	0	6	0	1,793	3,194	106	-1,592.56
1120+00	356.00	11.66	0.00	0.00	613	0	0	0	2,406	3,194	106	-979.59
1120+50	378.48	11.50	0.00	0.00	680	0	0	0	3,086	3,194	106	-299.51
1121+00	370.81	11.91	0.00	0.00	694	0	0	0	3,780	3,194	106	394.29
1121+50	350.31	11.95	0.00	0.00	668	0	0	0	4,448	3,194	106	1,061.99
1122+00	102.32	11.13	0.00	0.00	419	0	0	0	4,867	3,194	106	1,481.09
1122+50	126.67	11.76	0.00	0.00	212	0	0	0	5,079	3,194	106	1,693.11
1123+00	109.28	11.93	0.00	0.00	218	0	0	0	5,297	3,194	106	1,911.58
1123+50	89.53	11.82	0.00	0.00	184	0	0	0	5,481	3,194	106	2,095.66
1124+00	53.55	14.53	70.10	8.00	132	7	65	7	5,614	3,276	116	2,130.35
1124+25	24.63	18.70	159.54	25.00	36	15	106	15	5,650	3,408	135	1,999.28
					5,650	108	2,727	108				

IH-41 NB OFF RAMP RIGHT TURN ("AB")

STATION	AREA (SF)			Incremental Vol (CY) (Unadjusted)			Cumulative Vol (CY)		Mass Ordinate
	Cut	Salvaged/Unusable Pavement Material	Fill	Cut	Salvaged/Unusable Pavement Material	Fill	Cut 1.00	Expanded Fill 1.25	
				Note 1	Note 2	Note 3	Note 1		Note 8
1122+00	204.35	0.00	0.00	0	0	0	0	0	0.00
1122+50	128.29	0.00	0.00	308	0	0	308	0	308.00
1123+00	120.88	0.00	26.64	231	0	25	539	31	507.88
1123+50	115.36	0.00	48.91	219	0	70	757	118	639.17
1124+00	110.67	0.00	6.86	209	0	52	967	183	783.91
1124+50	43.28	0.00	29.80	143	0	34	1,109	225	884.03
1124+75	28.07	0.00	58.14	33	0	41	1,142	276	866.17
				1,142	0	221			

IH-41 NB ON RAMP ("BB")

STATION	AREA (SF) Cut	AREA (SF) Salvaged/Unusable Pavement Material	AREA (SF) Fill	AREA (SF) EBS	Incremental Vol (CY) (Unadjusted) Cut Note 1	Incremental Vol (CY) (Unadjusted) Salvaged/Unusable Pavement Material Note 2	Incremental Vol (CY) (Unadjusted) Fill Note 3	Incremental Vol (CY) (Unadjusted) EBS	Cumulative Vol (CY) Cut 1.00 Note 1	Cumulative Vol (CY) Expanded Fill 1.25	Cumulative Vol (CY) Expanded EBS Backfill 1.25 Note 5	Mass Ordinate Note 8
1200+25	0.60	34.24	284.65	55.00	0	0	0	0	0	0	0	0.00
1200+50	0.00	34.07	118.23	55.00	0	32	187	51	0	233	64	-328.15
1201+00	14.40	21.42	204.43	35.00	13	51	299	83	14	607	168	-843.81
1201+50	19.54	17.51	142.64	28.00	31	36	321	58	45	1,008	241	-1,323.05
1202+00	18.89	12.44	67.41	13.00	36	28	194	38	81	1,251	288	-1,605.77
1202+50	16.91	12.07	37.56	20.00	33	23	97	31	114	1,373	326	-1,755.01
1203+00	27.33	12.02	15.46	10.00	41	22	49	28	155	1,434	361	-1,832.46
1203+50	34.54	12.00	25.49	5.00	57	22	38	14	212	1,482	378	-1,862.17
1204+00	35.80	12.00	19.49	3.00	65	22	42	7	277	1,534	388	-1,880.59
1204+37	37.22	12.00	0.16	3.00	50	16	13	4	327	1,551	393	-1,868.97
					327	253	1,240	314				

IH-41 SB OFF RAMP ("CC")

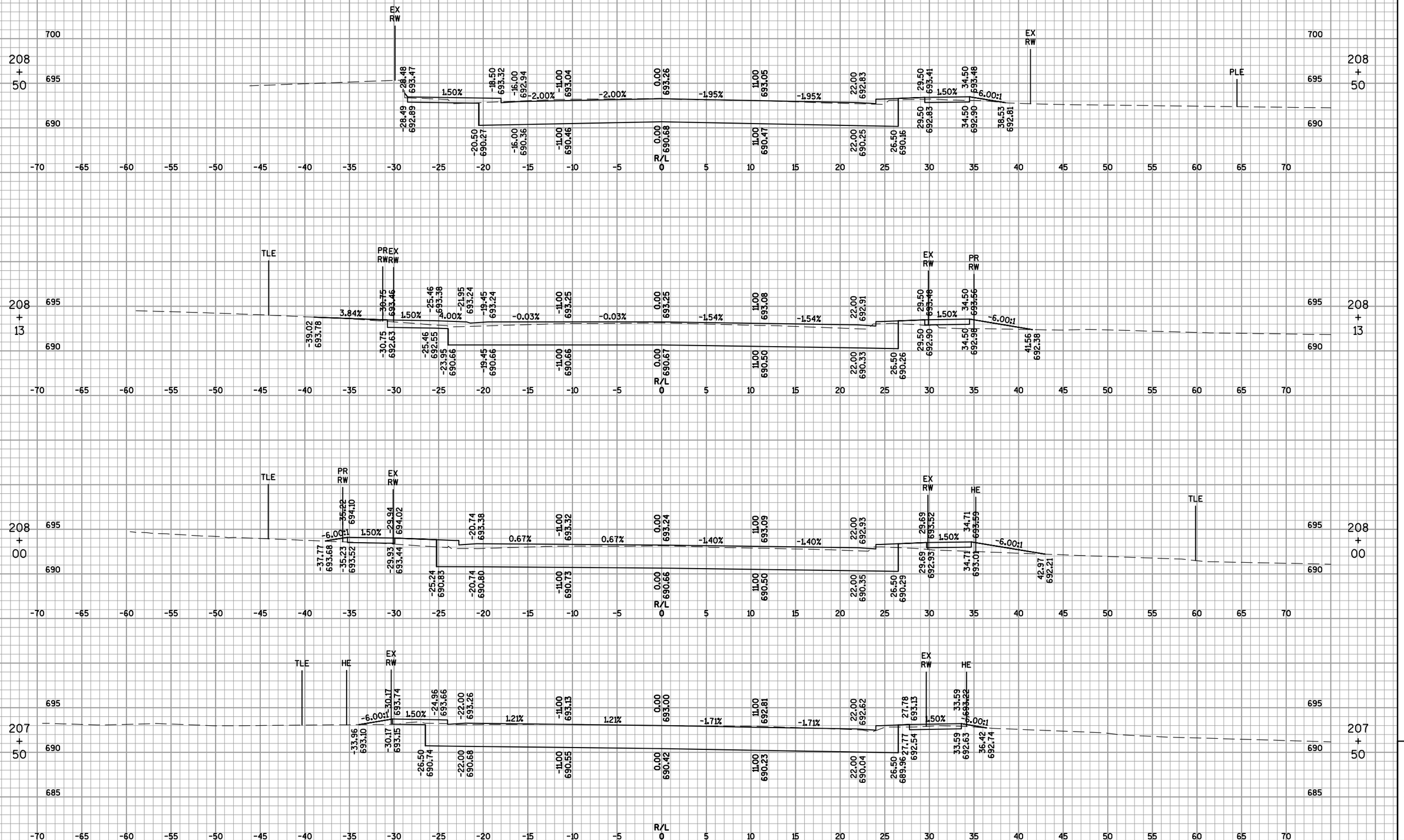
STATION	AREA (SF) Cut	AREA (SF) Salvaged/Unusable Pavement Material	AREA (SF) Fill	AREA (SF) EBS	Incremental Vol (CY) (Unadjusted) Cut Note 1	Incremental Vol (CY) (Unadjusted) Salvaged/Unusable Pavement Material Note 2	Incremental Vol (CY) (Unadjusted) Fill Note 3	Incremental Vol (CY) (Unadjusted) EBS	Cumulative Vol (CY) Cut 1.00 Note 1	Cumulative Vol (CY) Expanded Fill 1.25	Cumulative Vol (CY) Expanded EBS Backfill 1.25 Note 5	Mass Ordinate Note 8
1124+00	73.86	17.52	74.51	6.00	0	0	0	0	0	0	0	0.00
1124+50	88.16	11.14	107.49	7.00	150	27	169	12	150	211	15	-102.21
1125+00	49.82	12.24	121.29	9.00	128	22	212	15	278	475	34	-279.41
1125+50	45.53	12.07	46.32	7.00	88	23	155	15	366	669	52	-426.15
1126+00	62.92	11.75	16.17	1.00	100	22	58	7	466	742	61	-429.37
1126+50	64.76	11.98	118.13	0.00	118	22	124	1	585	897	63	-489.71
1127+00	57.40	11.80	152.96	0.00	113	22	251	0	698	1,211	63	-712.38
1127+50	46.74	11.92	193.32	2.00	96	22	321	2	794	1,612	65	-1,041.02
1128+00	40.10	11.98	167.78	2.00	80	22	334	4	875	2,030	69	-1,405.31
1128+50	43.44	12.10	127.69	2.00	77	22	274	4	952	2,372	74	-1,696.86
1129+00	53.43	11.26	73.31	0.00	90	22	186	2	1,042	2,604	76	-1,863.75
1129+50	63.39	11.54	38.19	0.00	108	21	103	0	1,150	2,733	76	-1,905.73
1130+00	65.37	11.67	0.00	0.00	119	21	35	0	1,269	2,778	76	-1,852.19
1130+50	48.30	12.09	0.00	0.00	105	22	0	0	1,374	2,778	76	-1,768.94
1131+00	18.89	11.98	0.00	10.00	62	22	0	9	1,437	2,778	88	-1,740.59
1131+50	15.42	11.51	0.00	12.00	32	22	0	20	1,468	2,778	113	-1,756.04
1132+00	12.88	12.26	0.00	13.00	26	22	0	23	1,495	2,778	142	-1,780.79
1132+42	14.83	11.25	0.00	11.00	22	18	0	19	1,516	2,778	166	-1,800.86
					1,516	374	2,222	133				

IH-41 SB OFF RAMP RIGHT TURN ("CA")

STATION	AREA (SF)			Incremental Vol (CY) (Unadjusted)			Cumulative Vol (CY)		
	Cut	Salvaged/Unusable Pavement Material	Fill	Cut	Salvaged/Unusable Pavement Material	Fill	Cut 1.00	Expanded Fill 1.25	Mass Ordinate
				Note 1	Note 2	Note 3	Note 1		Note 8
1123+25	88.49	0.00	0.00	0	0	0	0	0	0.00
1123+50	89.60	0.00	47.40	82	0	22	82	27	55.02
1124+00	95.42	0.00	58.52	171	0	98	254	150	103.75
1124+25	72.32	0.00	0.00	78	0	27	331	184	147.54
1124+50	59.34	0.00	0.00	61	0	0	392	184	208.50
1125+00	7.35	0.00	11.24	62	0	10	454	197	257.23
1125+50	4.28	0.00	86.46	11	0	90	465	310	154.92
1126+00	4.60	0.00	103.27	8	0	176	473	530	-56.46
				473	0	424			

IH-41 SB ON RAMP ("DD")

STATION	AREA (SF) Cut	Salvaged/Unusable Pavement Material	Fill	EBS	Incremental Vol (CY) (Unadjusted) Cut Note 1	Salvaged/Unusable Pavement Material Note 2	Fill Note 3	EBS	Cumulative Vol (CY) Cut 1.00 Note 1	Expanded Fill 1.25	Expanded EBS Backfill 1.25 Note 5	Mass Ordinate Note 8
1101+50	30.10	0.00	18.83	0.00	0	0	0	0	0	0	0	0.00
1102+00	33.45	0.00	19.70	0.00	59	0	36	0	59	45	0	14.25
1102+50	31.12	0.00	18.07	0.00	60	0	35	0	119	88	0	30.32
1103+00	29.69	0.00	17.92	0.00	56	0	33	0	175	130	0	44.97
1103+50	26.31	0.00	17.44	0.00	52	0	33	0	227	171	0	55.92
1104+00	21.01	0.00	22.83	0.00	44	0	37	0	271	217	0	53.13
1104+50	20.67	0.00	24.54	0.00	39	0	44	0	309	272	0	36.90
1105+00	15.25	0.00	23.78	0.00	33	0	45	0	342	328	0	14.23
1105+50	18.33	0.00	22.40	0.00	31	0	43	0	374	382	0	-8.12
1106+00	18.59	0.00	23.01	0.00	34	0	42	0	408	434	0	-26.49
1106+50	16.15	0.00	23.65	0.00	32	0	43	0	440	488	0	-48.32
1107+00	17.21	0.00	20.54	0.00	31	0	41	0	471	539	0	-68.58
1107+50	14.81	0.00	23.81	0.00	30	0	41	0	500	591	0	-90.26
1108+00	16.16	0.00	20.23	0.00	29	0	41	0	529	642	0	-112.56
1108+50	18.92	0.00	17.73	0.00	32	0	35	0	562	686	0	-124.01
1109+00	17.83	0.00	16.83	0.00	34	0	32	0	596	726	0	-129.99
1109+50	17.47	0.00	17.92	0.00	33	0	32	0	628	766	0	-137.53
1110+00	19.74	0.00	16.80	0.00	34	0	32	0	663	806	0	-143.27
1110+50	23.39	0.00	18.25	0.00	40	0	32	0	703	847	0	-143.90
1111+00	21.66	0.00	25.14	0.00	42	0	40	0	744	897	0	-152.40
1111+50	26.07	0.00	17.92	0.00	44	0	40	0	789	947	0	-158.04
1112+00	33.73	0.00	14.38	0.00	55	0	30	0	844	984	0	-140.06
1112+50	29.95	0.00	14.20	0.00	59	0	26	0	903	1,017	0	-114.18
1113+00	23.94	0.00	14.98	0.00	50	0	27	0	953	1,051	0	-98.05
1113+50	39.98	0.00	16.57	0.00	59	0	29	0	1,012	1,087	0	-75.37
1114+00	38.79	0.00	15.14	0.00	73	0	29	0	1,085	1,124	0	-39.14
1114+50	36.63	0.00	18.82	0.00	70	0	31	0	1,155	1,163	0	-8.62
1115+00	36.86	0.00	14.21	0.00	68	0	31	0	1,223	1,202	0	21.19
1115+50	27.74	0.00	20.44	0.00	60	0	32	0	1,283	1,242	0	40.90
1116+00	27.56	0.00	49.22	0.00	51	0	64	0	1,334	1,322	0	11.49
1116+50	54.65	13.31	46.86	0.00	76	12	89	0	1,410	1,434	0	-35.92
1117+00	74.68	13.13	28.96	0.00	120	24	70	0	1,530	1,521	0	-28.40
1117+50	107.11	13.75	23.20	0.00	168	25	48	0	1,698	1,582	0	54.66
1118+00	116.33	13.08	23.95	0.00	207	25	44	0	1,905	1,636	0	182.14
1118+50	110.16	12.75	27.21	0.00	210	24	47	0	2,115	1,695	0	308.73
1119+00	98.78	12.75	24.52	0.00	193	24	48	0	2,308	1,755	0	418.71
1119+50	85.80	12.51	25.53	0.00	171	23	46	0	2,479	1,813	0	508.30
1120+00	80.62	12.17	26.97	0.00	154	23	49	0	2,633	1,874	0	578.78
1120+50	76.39	12.00	35.70	0.00	145	22	58	0	2,779	1,947	0	629.25
1121+00	166.32	12.12	40.93	0.00	225	22	71	0	3,003	2,035	0	742.97
1121+50	113.50	12.43	41.45	2.64	259	23	76	2	3,262	2,131	3	880.93
1122+00	222.99	15.61	31.26	1.18	312	26	67	4	3,574	2,215	7	1,077.96
1122+25	319.78	17.28	22.52	0.16	251	15	25	1	3,825	2,246	8	1,282.12
					3,825	289	1,797	7				



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PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	CROSS SECTIONS: STH 55 (LAWE ST)	SHEET 621	E

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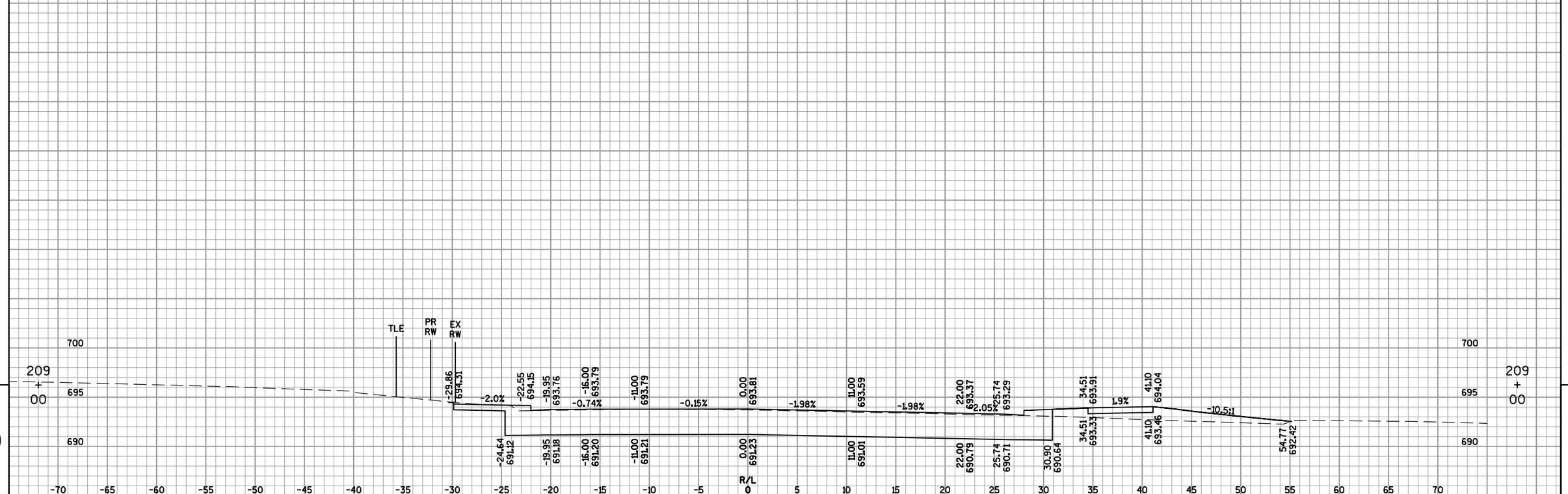
PLOT DATE : 9/10/2017 9:07 AM

PLOT BY : OMNNI ASSOCIATES, INC - CRAIG KNUTH



PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	CROSS SECTIONS: STH 55 (LAWE ST)	SHEET 622	E

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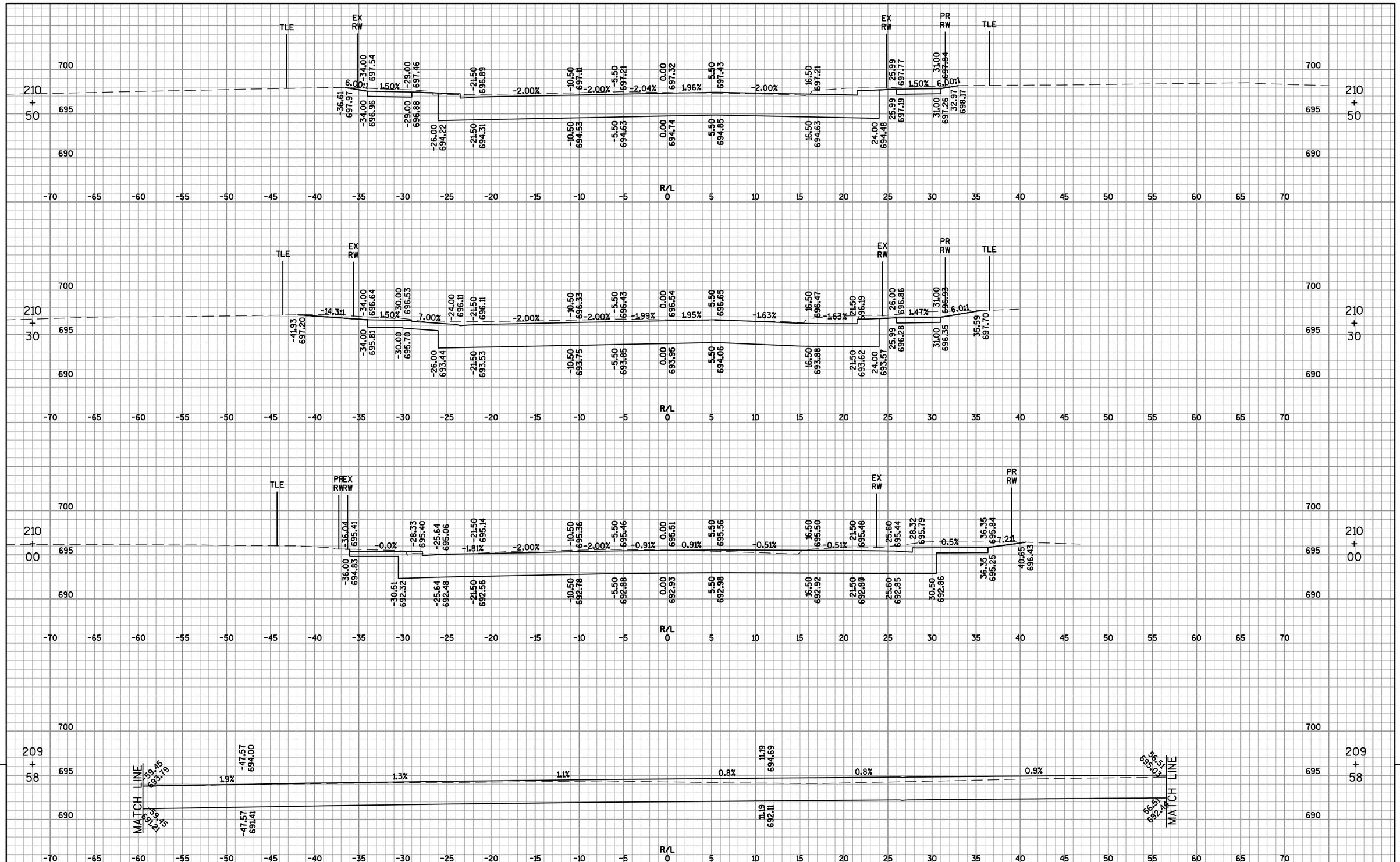
PLOT BY : OMNNI ASSOCIATES, INC - CRAIG KNUTH

WISDOT/CADDS SHEET 49



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PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	CROSS SECTIONS: STH 55 (DELANGLADE ST) NORTHBOUND	SHEET 623	E

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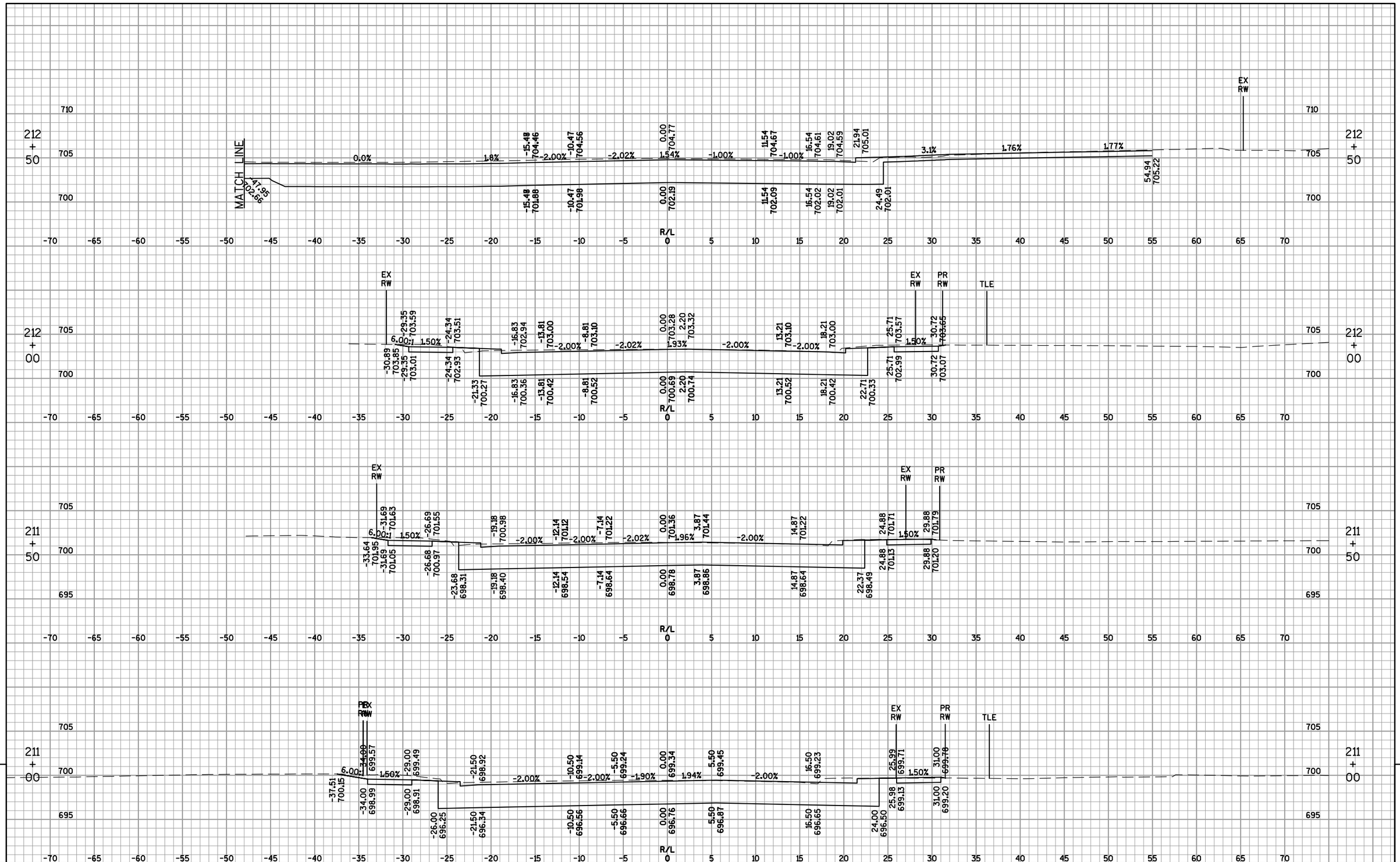
PLOT BY : OMNNI ASSOCIATES, INC - CRAIG KNUTH



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PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	CROSS SECTIONS: STH 55 (DELANGLADE ST) NORTHBOUND	SHEET 624	E

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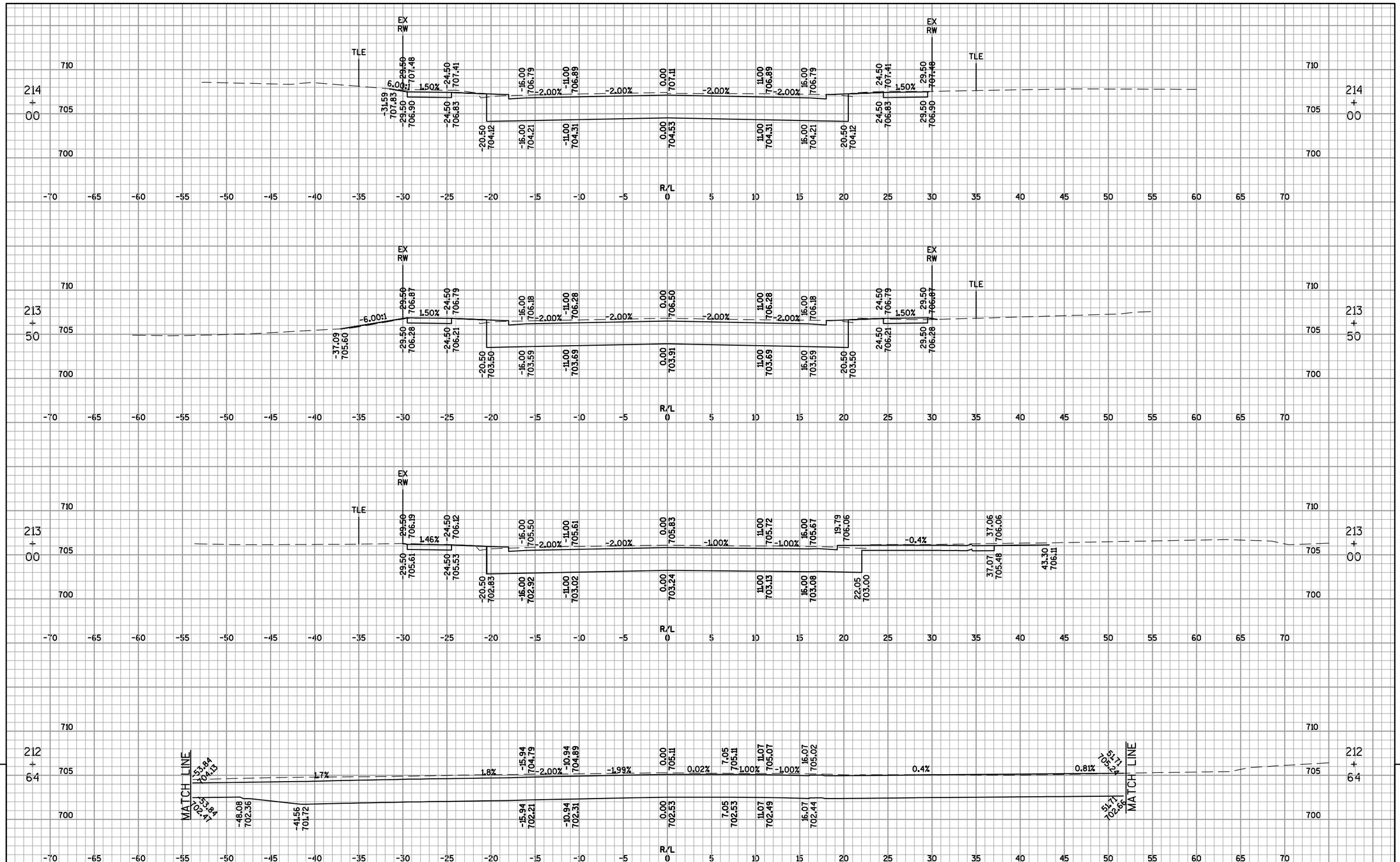

PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	CROSS SECTIONS: STH 55 (DELANGLADE ST) NORTHBOUND	SHEET 625 E

FILE NAME : F:\TR\JOBS\E1859A08\CIVIL 3D 2012\SHEETSPLAN\46500871_090200_XS.DWG
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PLOT DATE : 4/21/2017 12:47 PM PLOT BY : OMNNI ASSOCIATES, INC - CRAIG KNUTH

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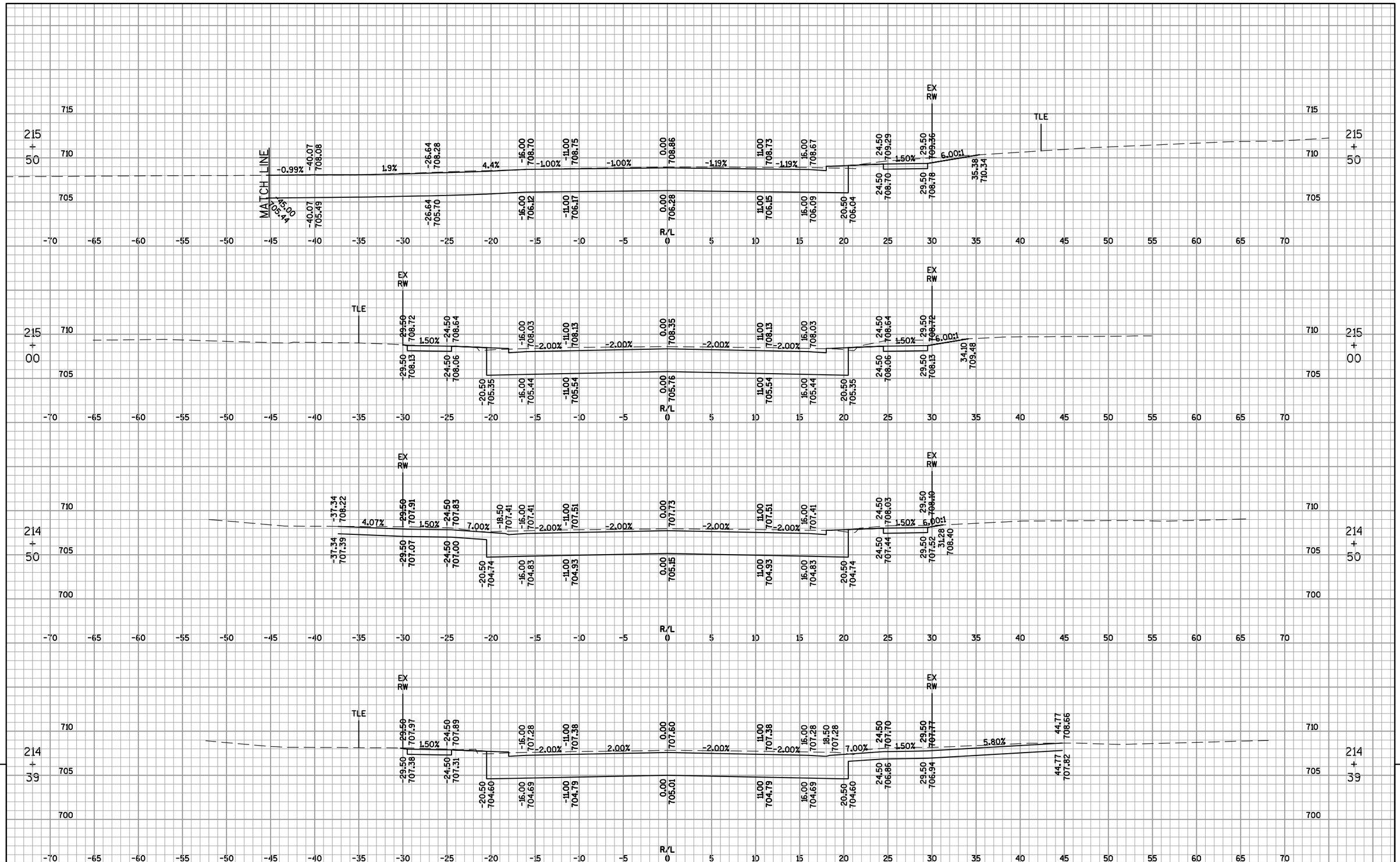

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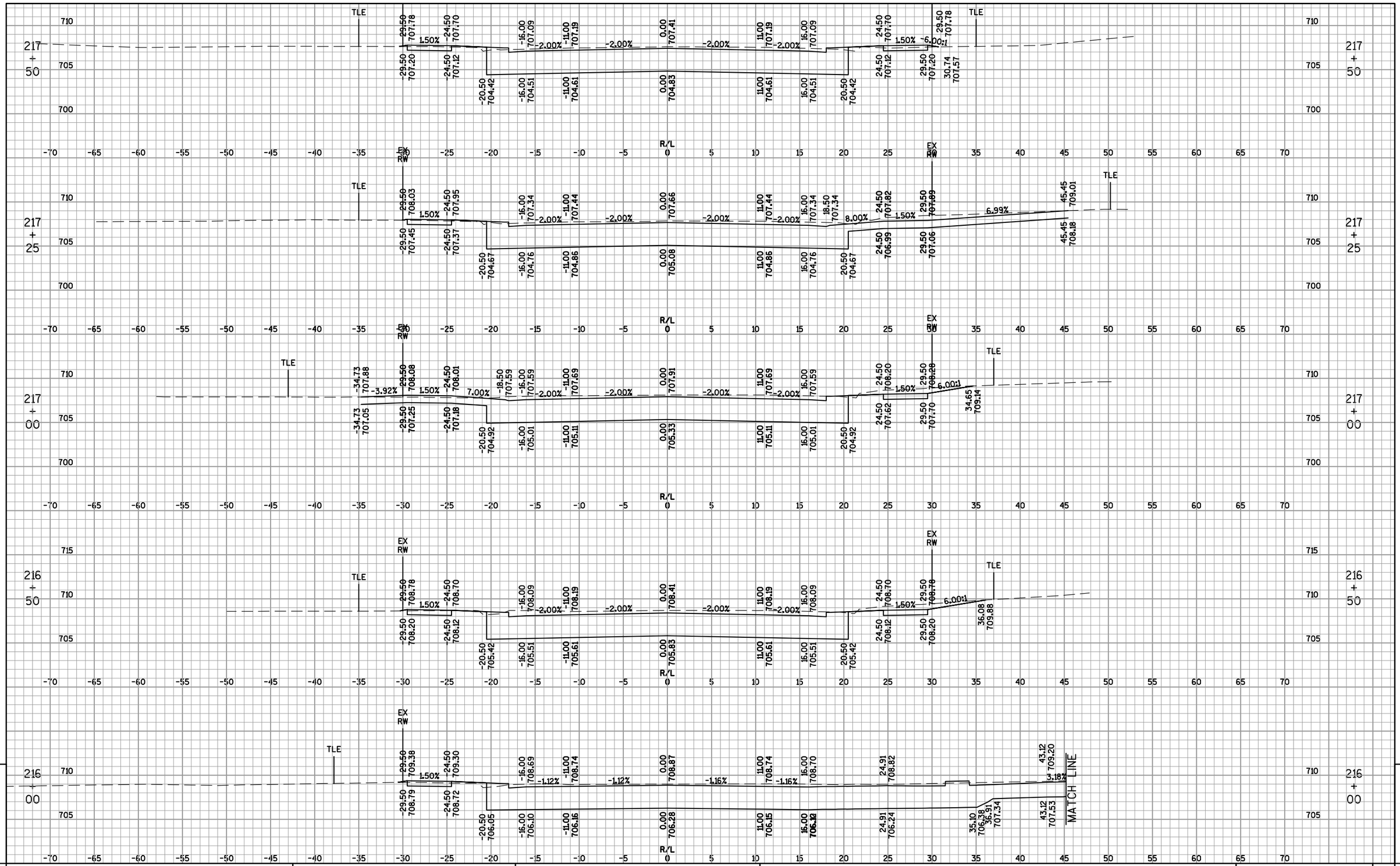

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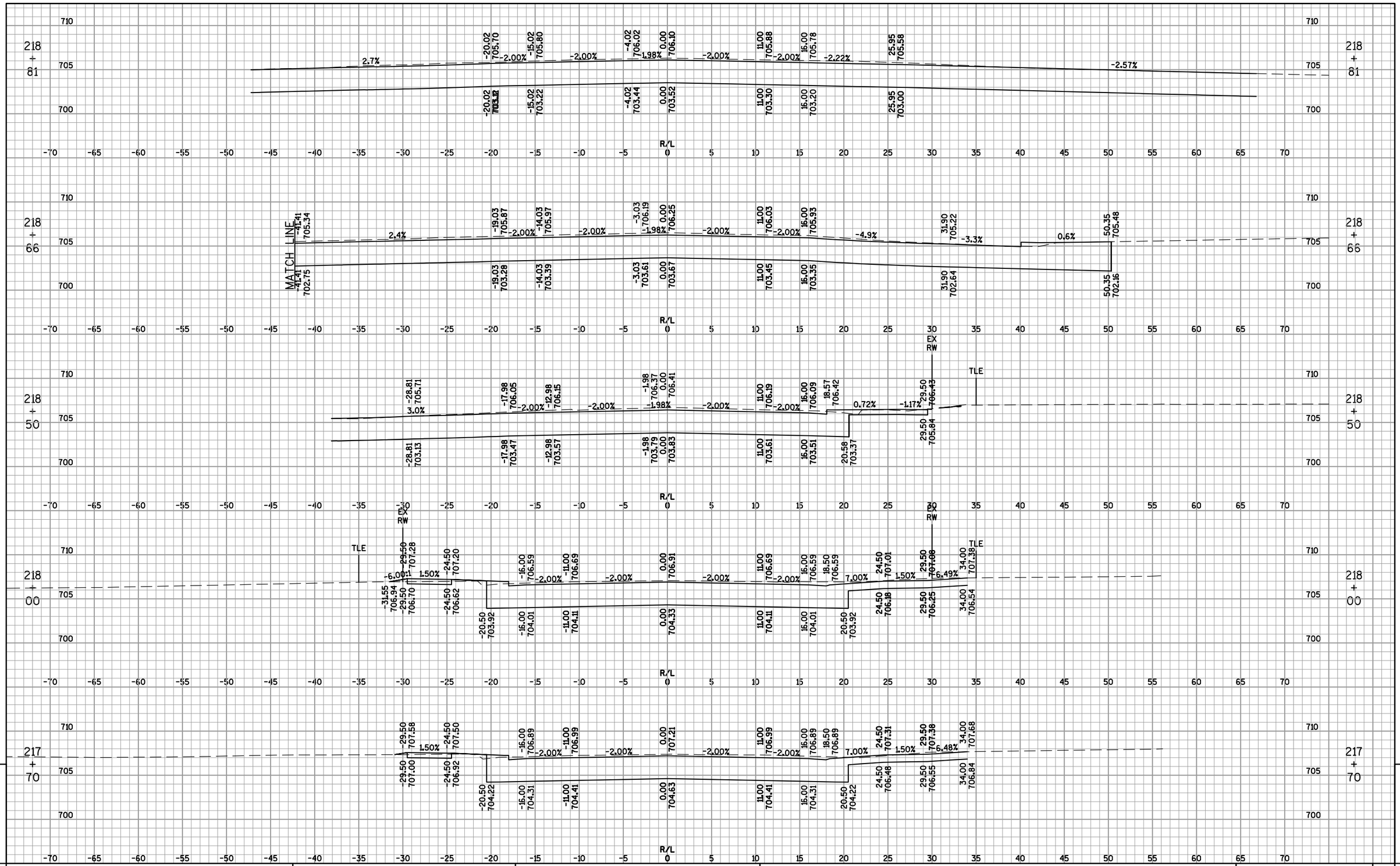
PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	CROSS SECTIONS: STH 55 (DELANGLADE ST) NORTHBOUND	SHEET 627	E



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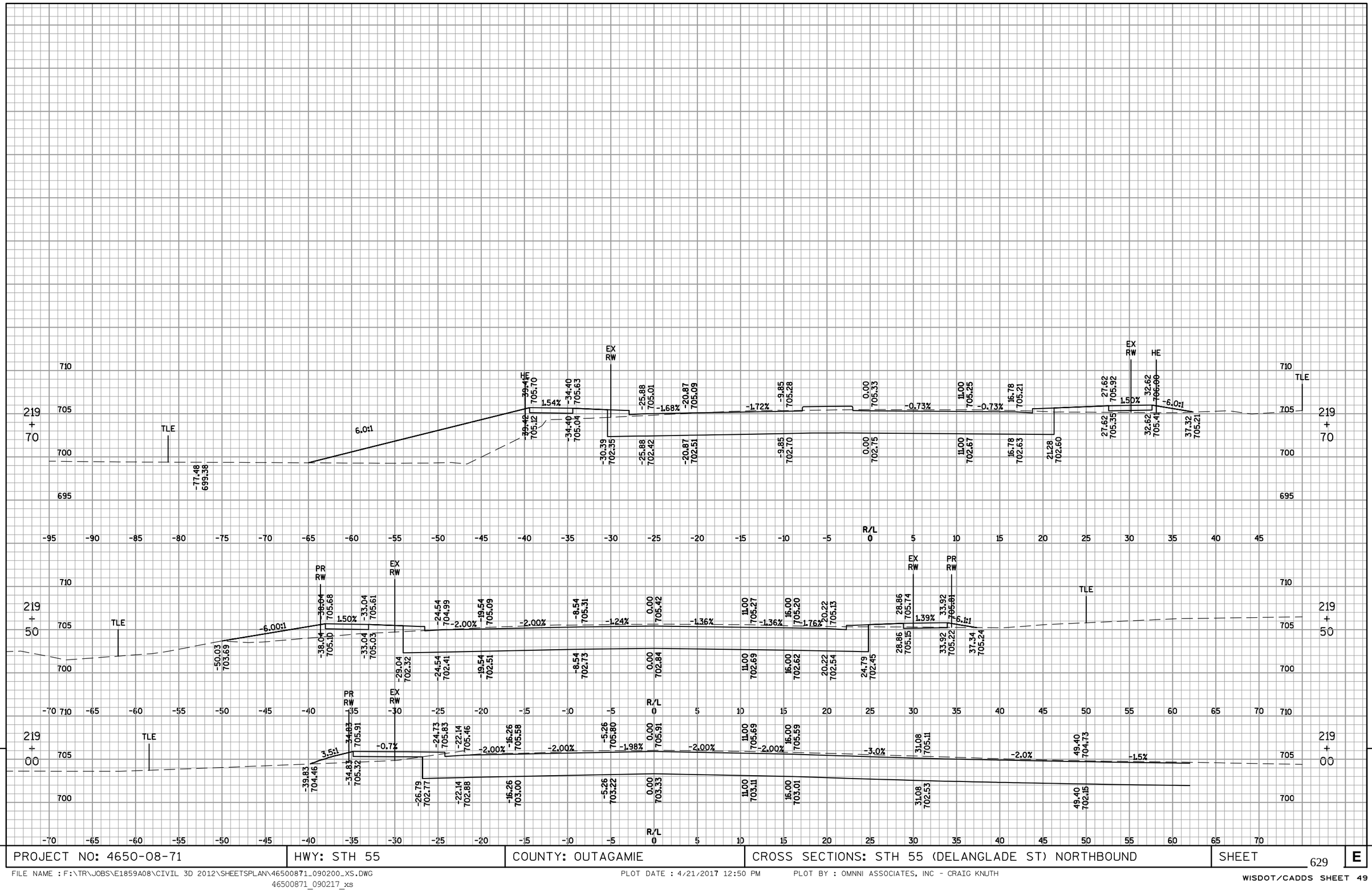
PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	CROSS SECTIONS: STH 55 (DELANGLADE ST) NORTHBOUND	SHEET 628	E



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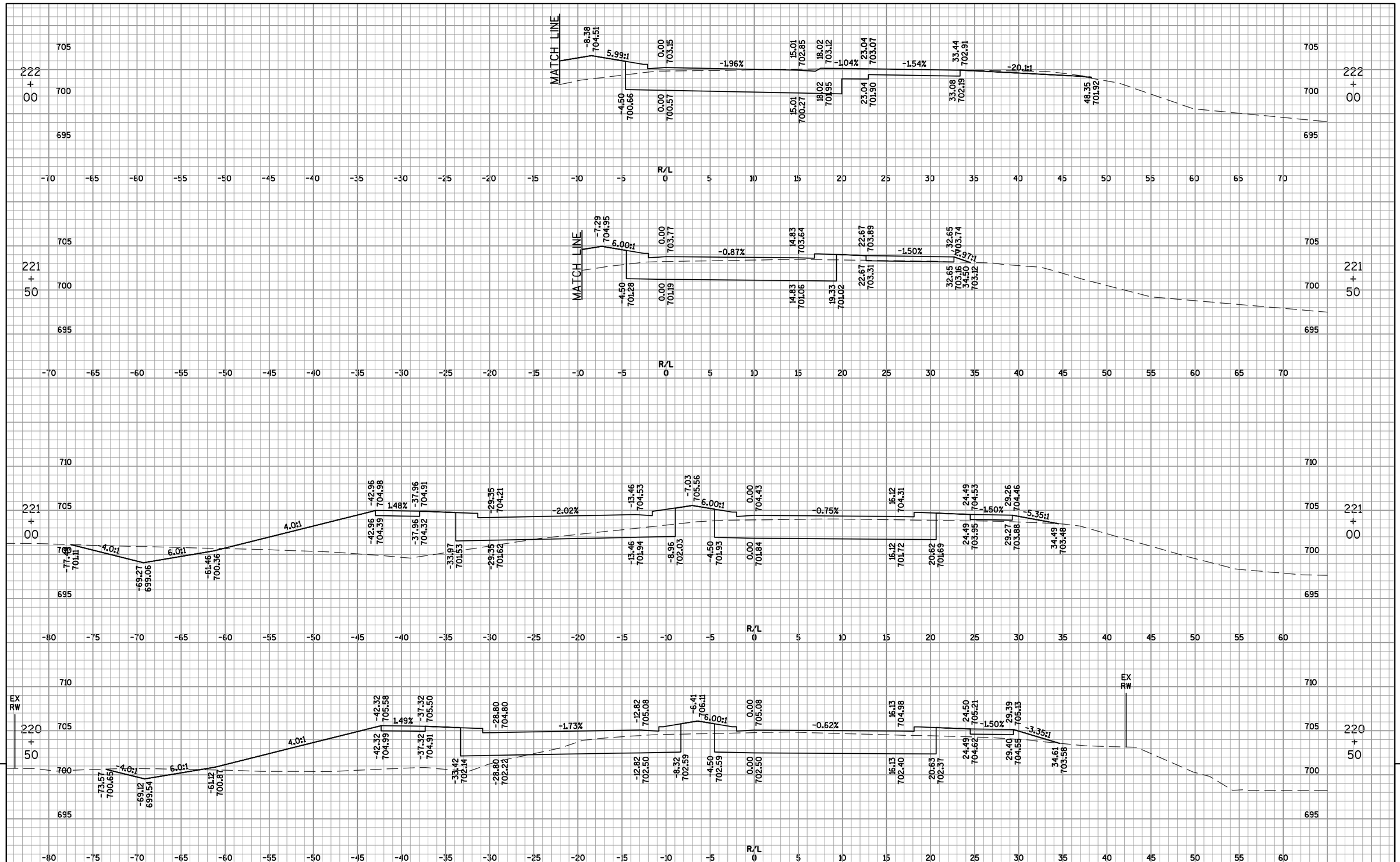
PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	CROSS SECTIONS: STH 55 (DELANGLADE ST) NORTHBOUND	SHEET 629	E



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PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	CROSS SECTIONS: STH 55 (DELANGLADE ST) NORTHBOUND	SHEET 630	E

FILE NAME : F:\TR\JOBS\E1859A08\CIVIL 3D 2012\SHEETSPLAN\46500871_090200_XS.DWG
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PLOT DATE : 4/21/2017 12:51 PM PLOT BY : OMNNI ASSOCIATES, INC - CRAIG KNUTH

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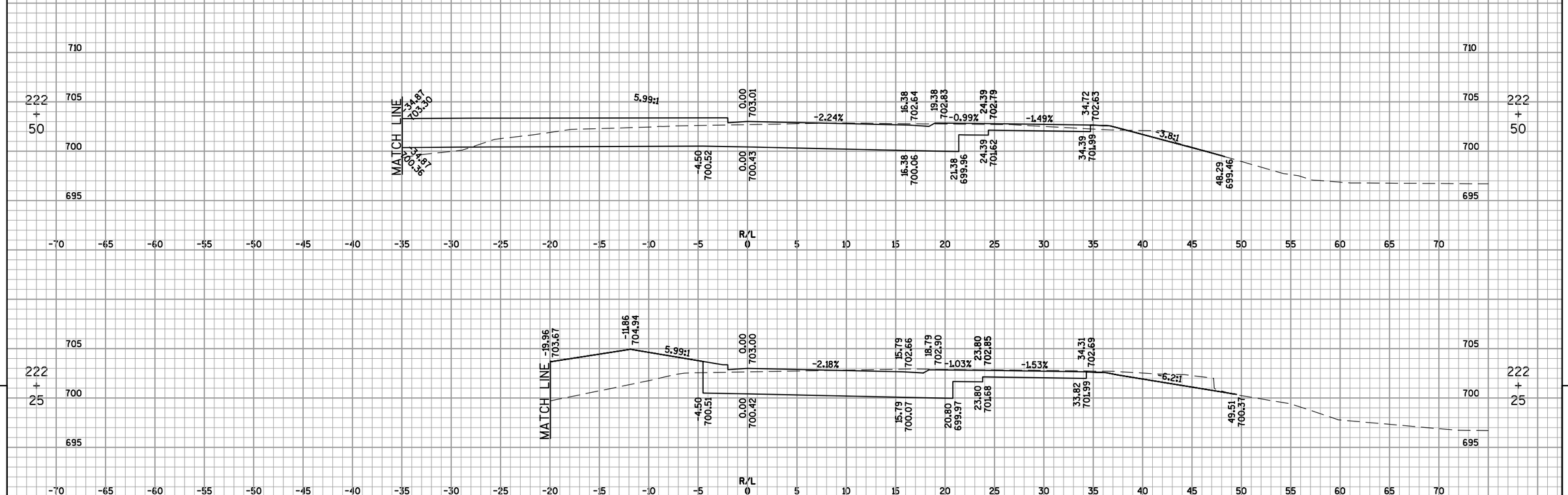

PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	CROSS SECTIONS: STH 55 (DELANGLADE ST) NORTHBOUND	SHEET 631 E

FILE NAME : F:\TR\JOBS\E1859A08\CIVIL 3D 2012\SHEETSPLAN\46500871_090200_XS.DWG
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PLOT DATE : 5/16/2017 2:48 PM

PLOT BY : OMNNI ASSOCIATES, INC - CRAIG KNUTH

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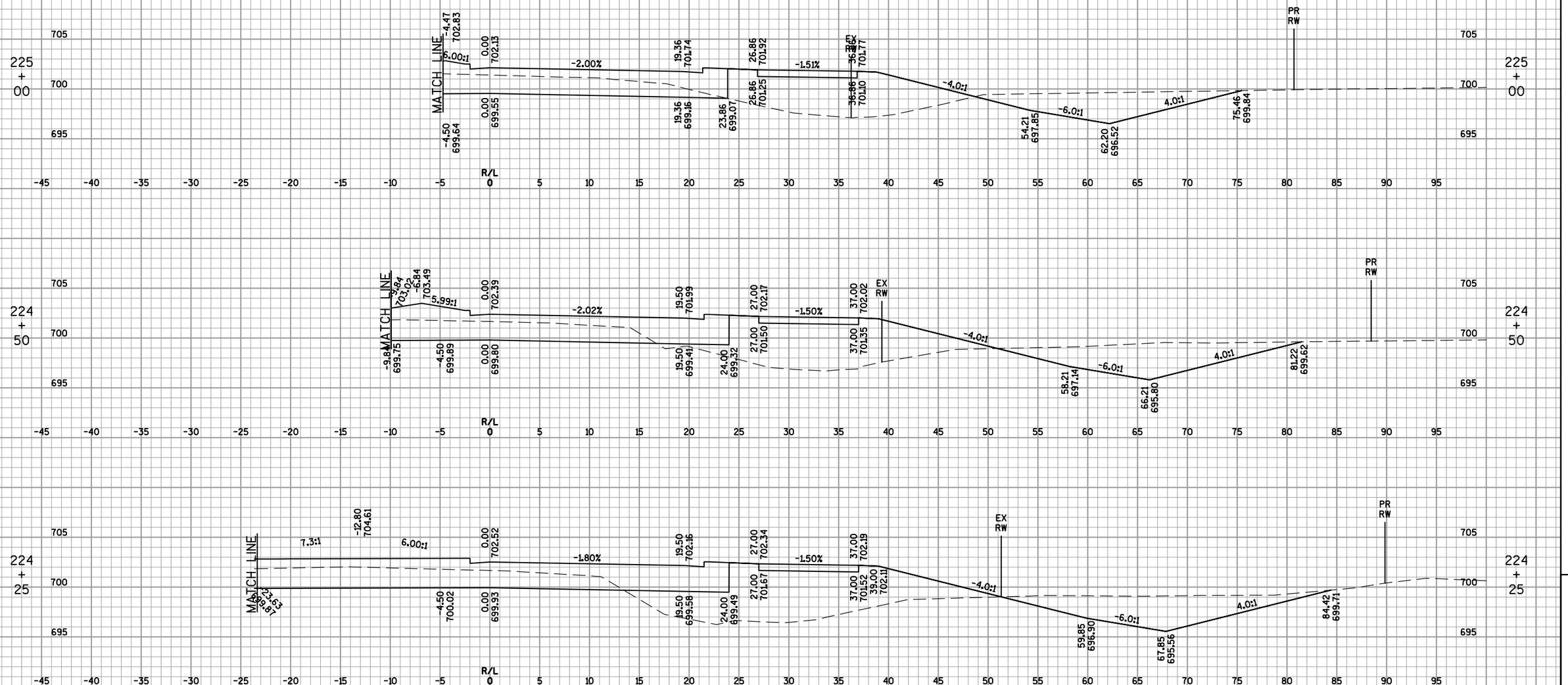
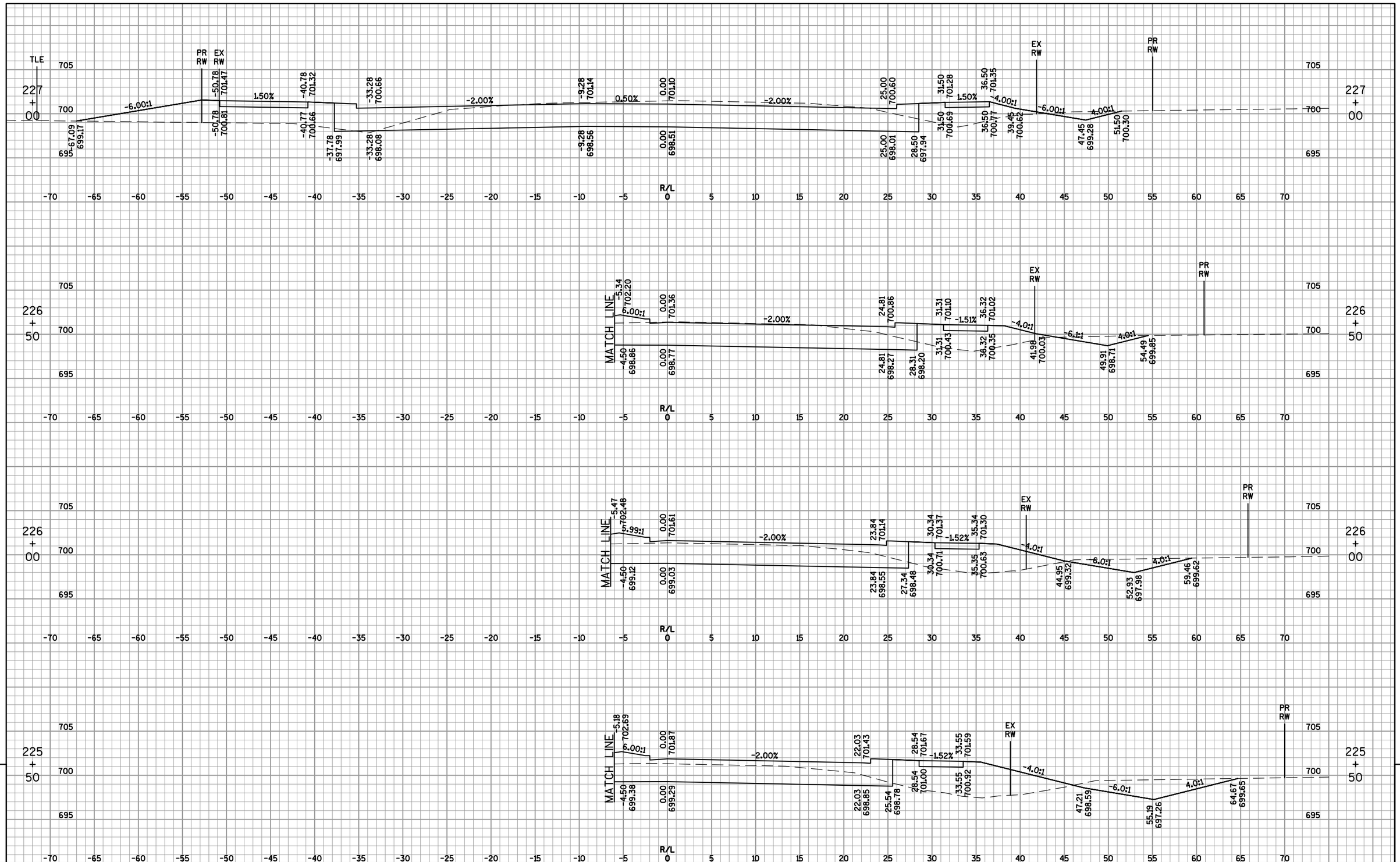


PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	CROSS SECTIONS: STH 55 (DELANGLADE ST) NORTHBOUND	SHEET 632	E



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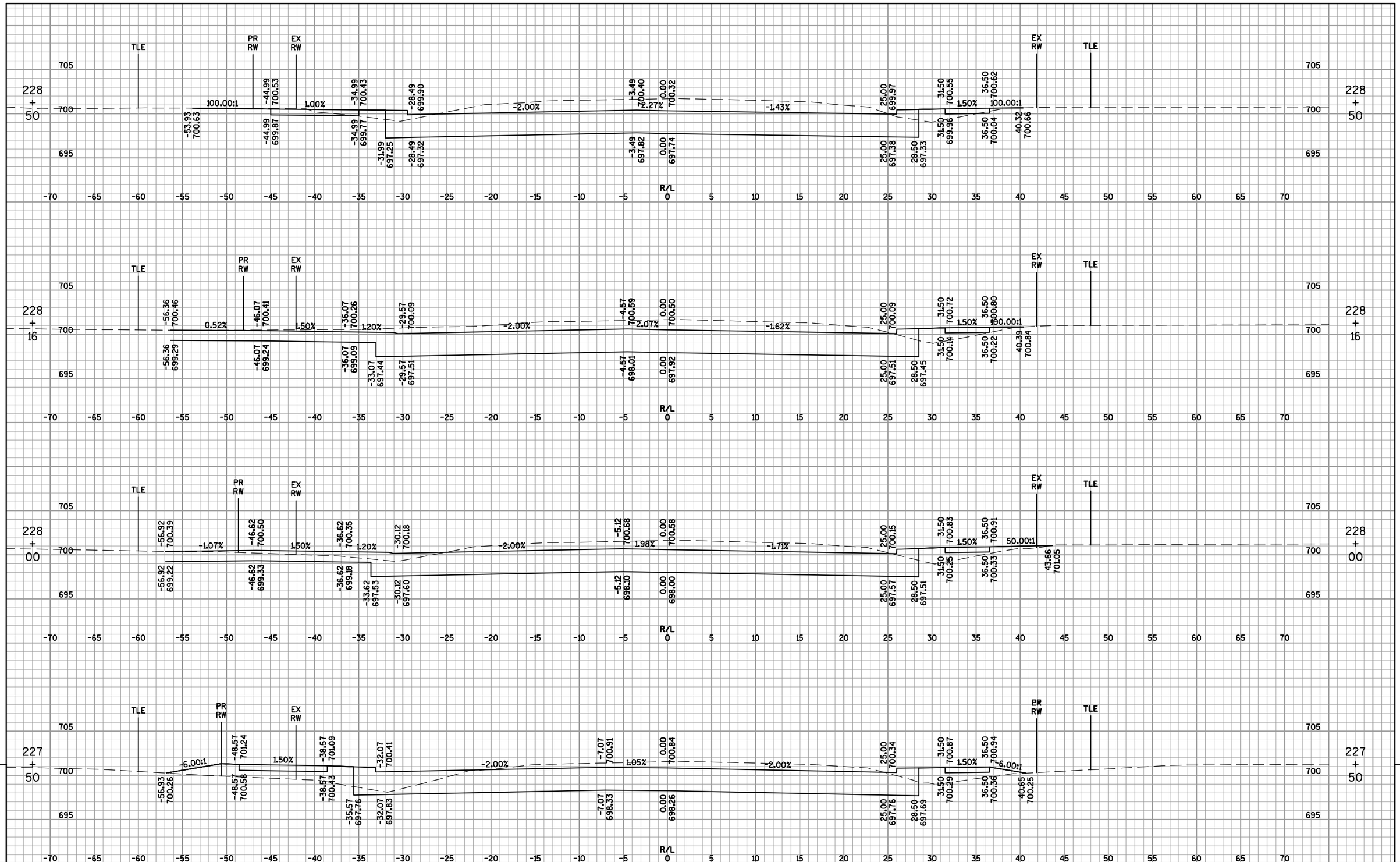
PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	CROSS SECTIONS: STH 55 (DELANGLADE ST) NORTHBOUND	SHEET 633	E



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PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	CROSS SECTIONS: STH 55 (DELANGLADE ST) NORTHBOUND	SHEET 634	E

9

9

PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	CROSS SECTIONS: STH 55 (DELANGLADE ST) NORTHBOUND	SHEET 635	E

FILE NAME : F:\TR\JOBS\E1859A08\CIVIL 3D 2012\SHEETSPLAN\46500871_090200_XS.DWG
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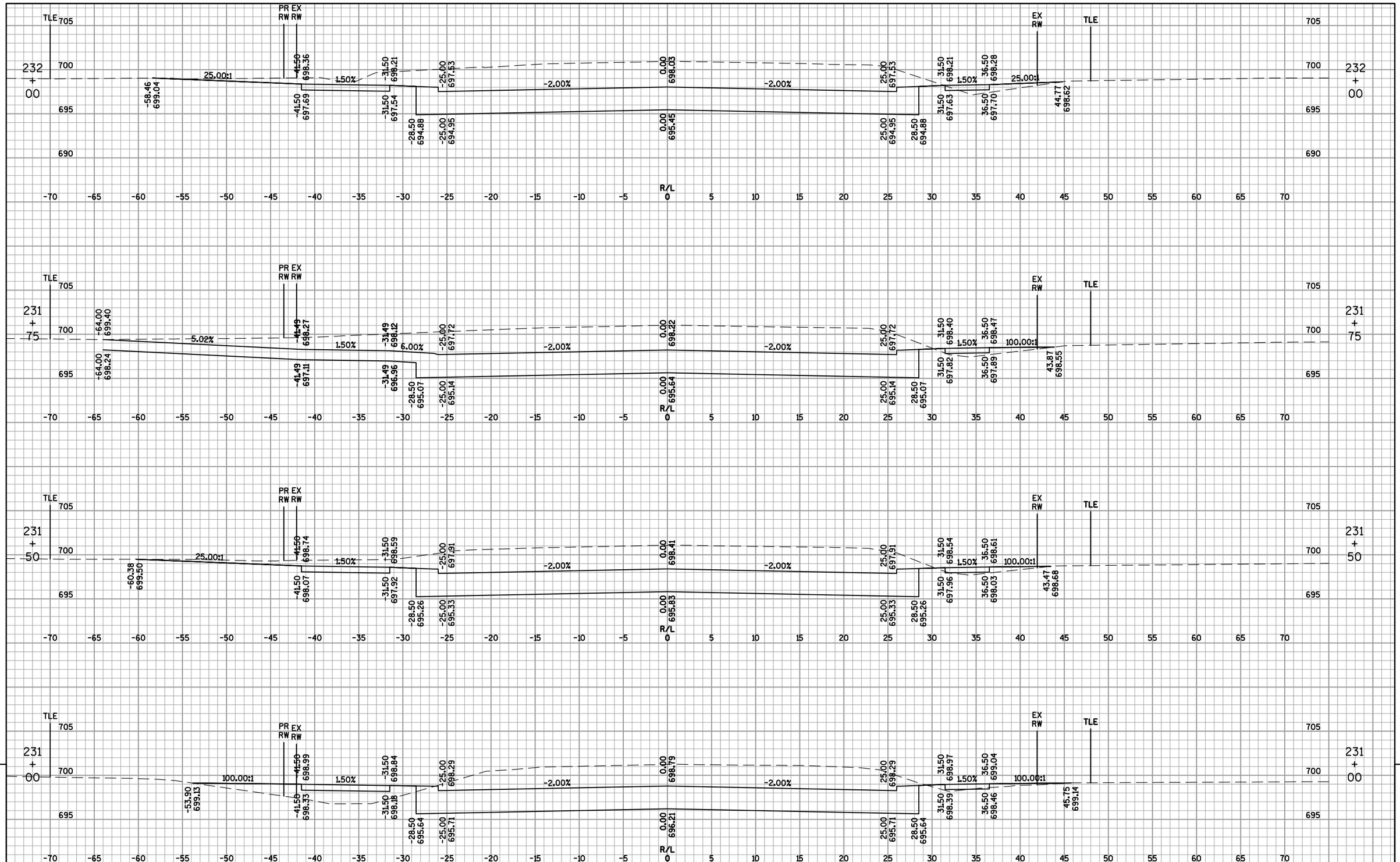
PLOT DATE : 9/6/2017 3:56 PM

PLOT BY : OMNNI ASSOCIATES, INC - CRAIG KNUTH

WISDOT/CADDS SHEET 49



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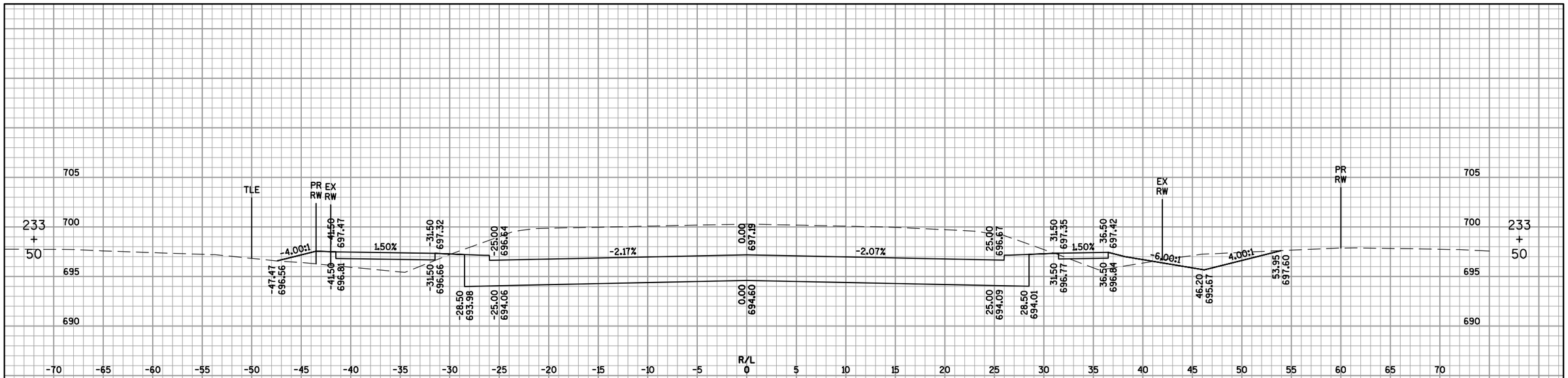
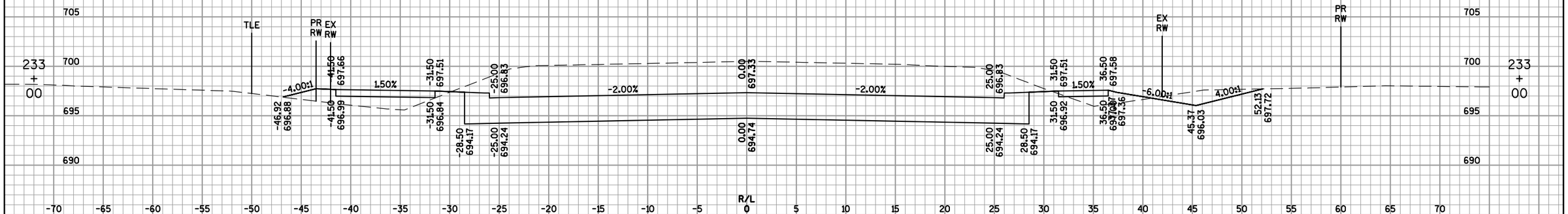
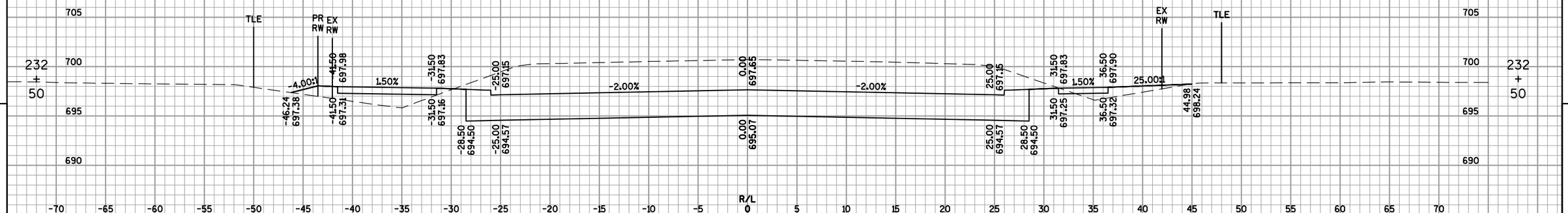
PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	CROSS SECTIONS: STH 55 (DELANGLADE ST) NORTHBOUND	SHEET 636	E







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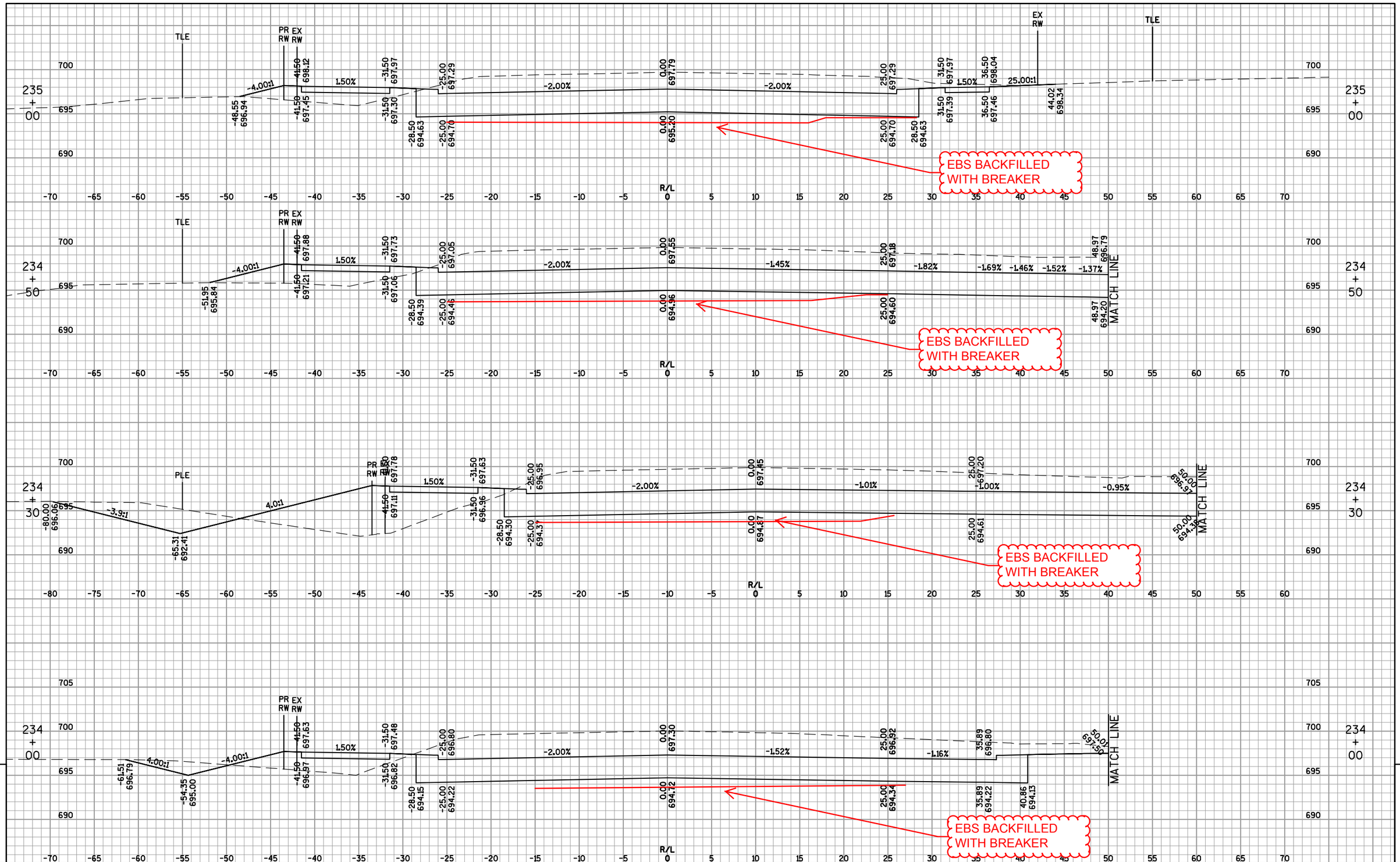
PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	CROSS SECTIONS: STH 55 (DELANGLADE ST) NORTHBOUND	SHEET 637	E



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PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	CROSS SECTIONS: STH 55 (DELANGLADE ST) NORTHBOUND	SHEET 638	E

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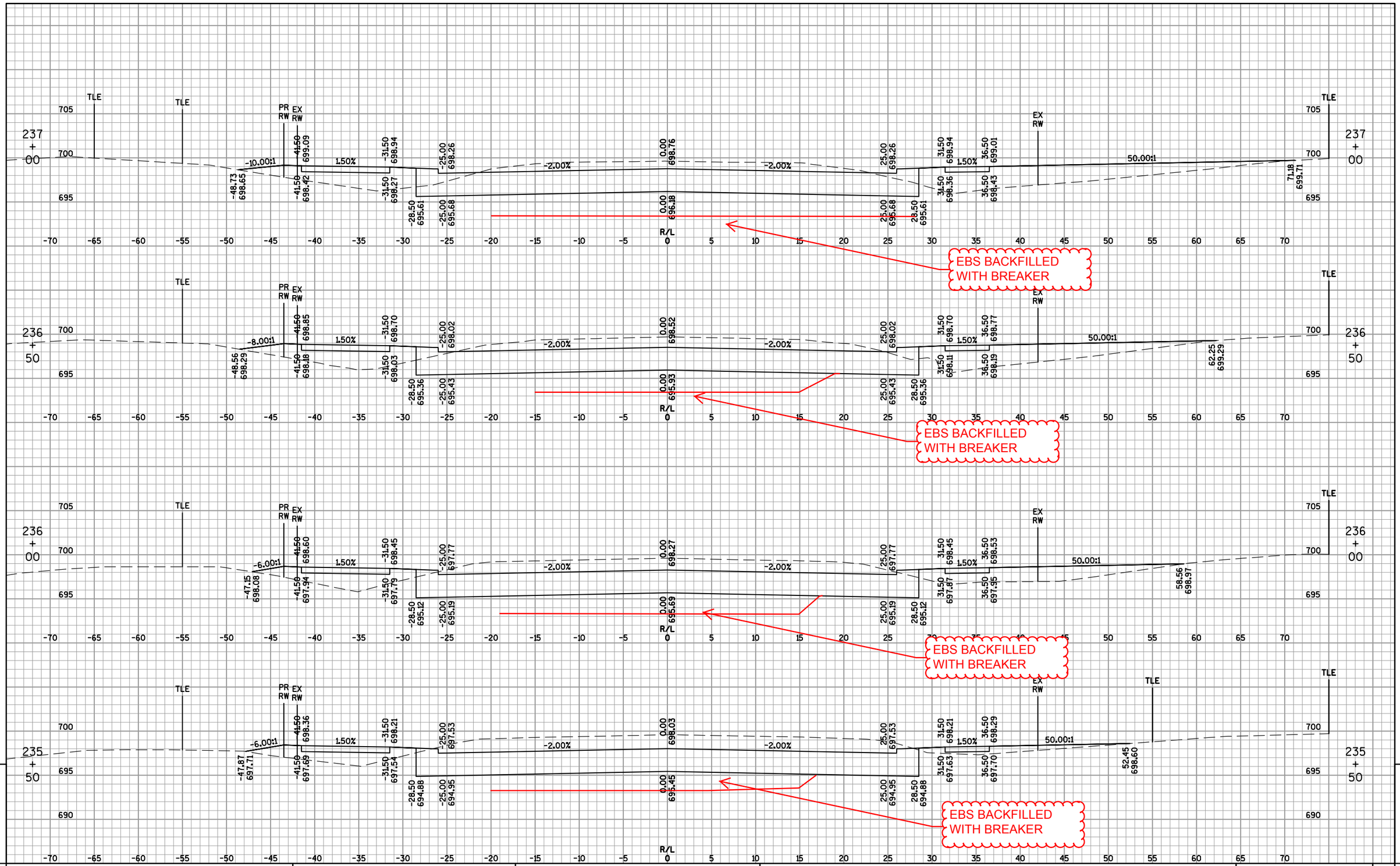
PLOT DATE : 9/6/2017 3:57 PM

PLOT BY : OMNNI ASSOCIATES, INC - CRAIG KNUTH

WISDOT/CADDS SHEET 49



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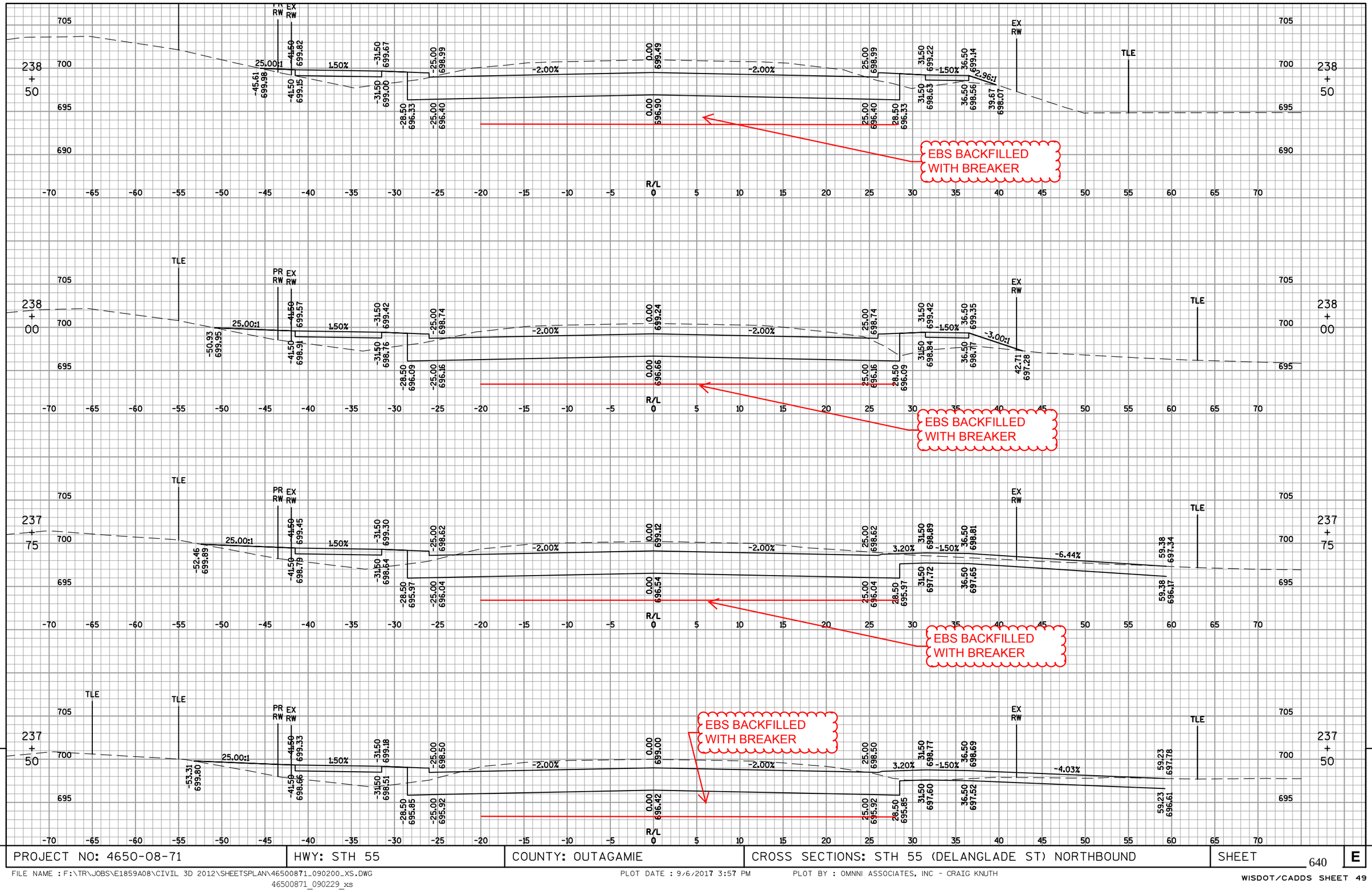
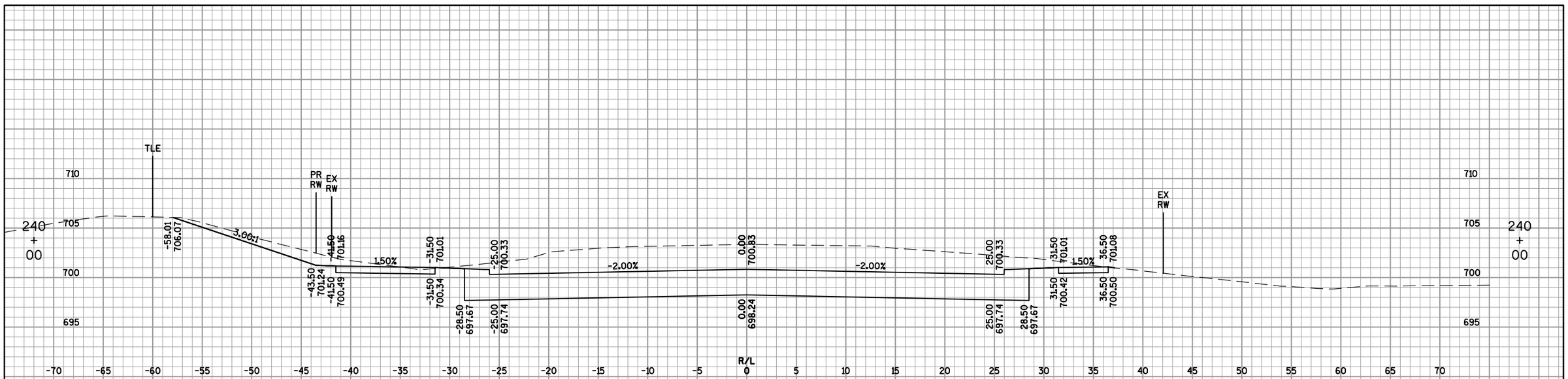
PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	CROSS SECTIONS: STH 55 (DELANGLADE ST) NORTHBOUND	SHEET 639	E



PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	CROSS SECTIONS: STH 55 (DELANGLADE ST) NORTHBOUND	SHEET 640	E



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PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	CROSS SECTIONS: STH 55 (DELANGLADE ST) NORTHBOUND	SHEET 641	E

FILE NAME : F:\TR\JOBS\E1859A08\CIVIL 3D 2012\SHEETSPLAN\46500871_090200_XS.DWG
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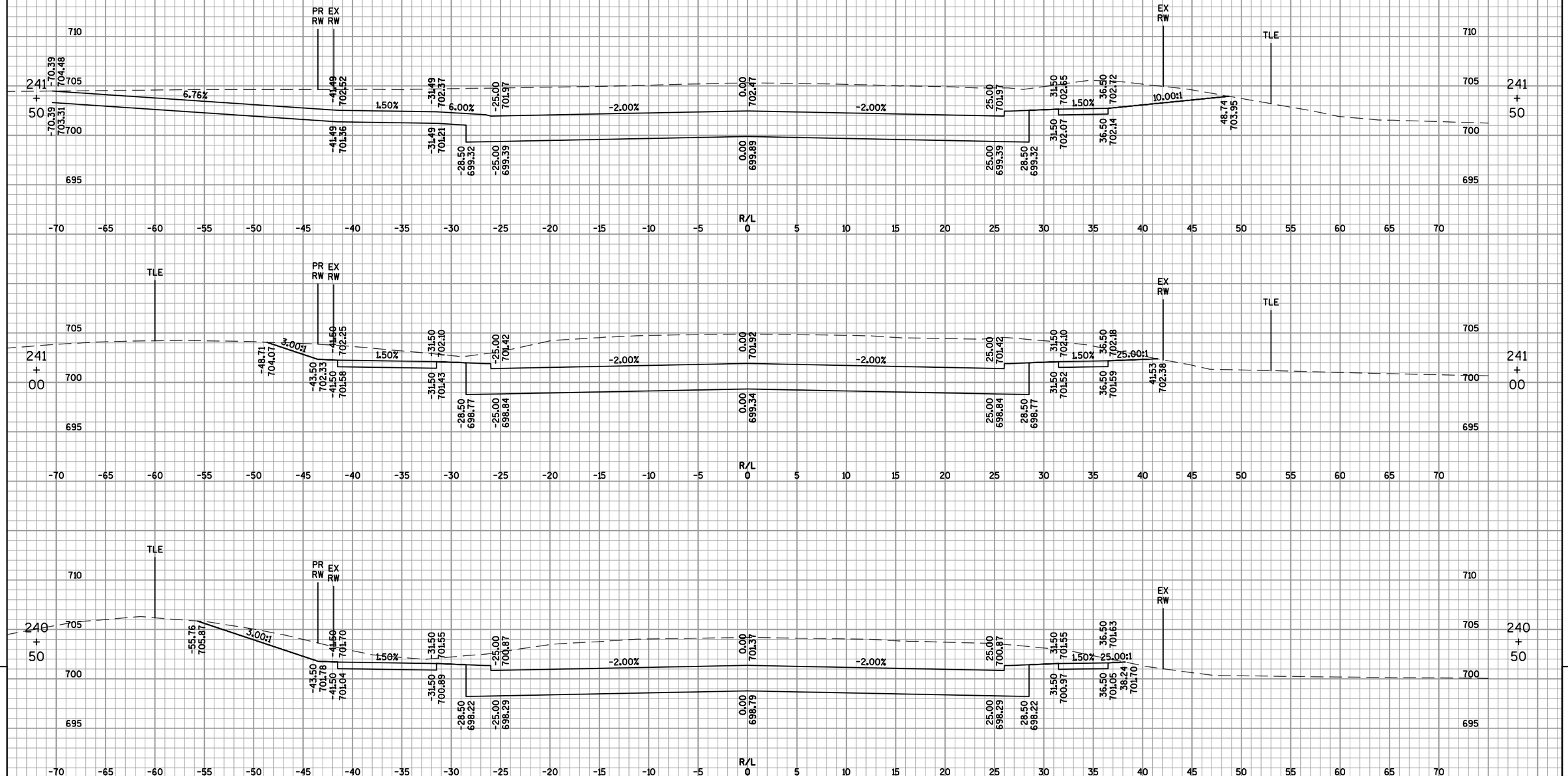
PLOT DATE : 9/6/2017 3:57 PM

PLOT BY : OMNNI ASSOCIATES, INC - CRAIG KNUTH



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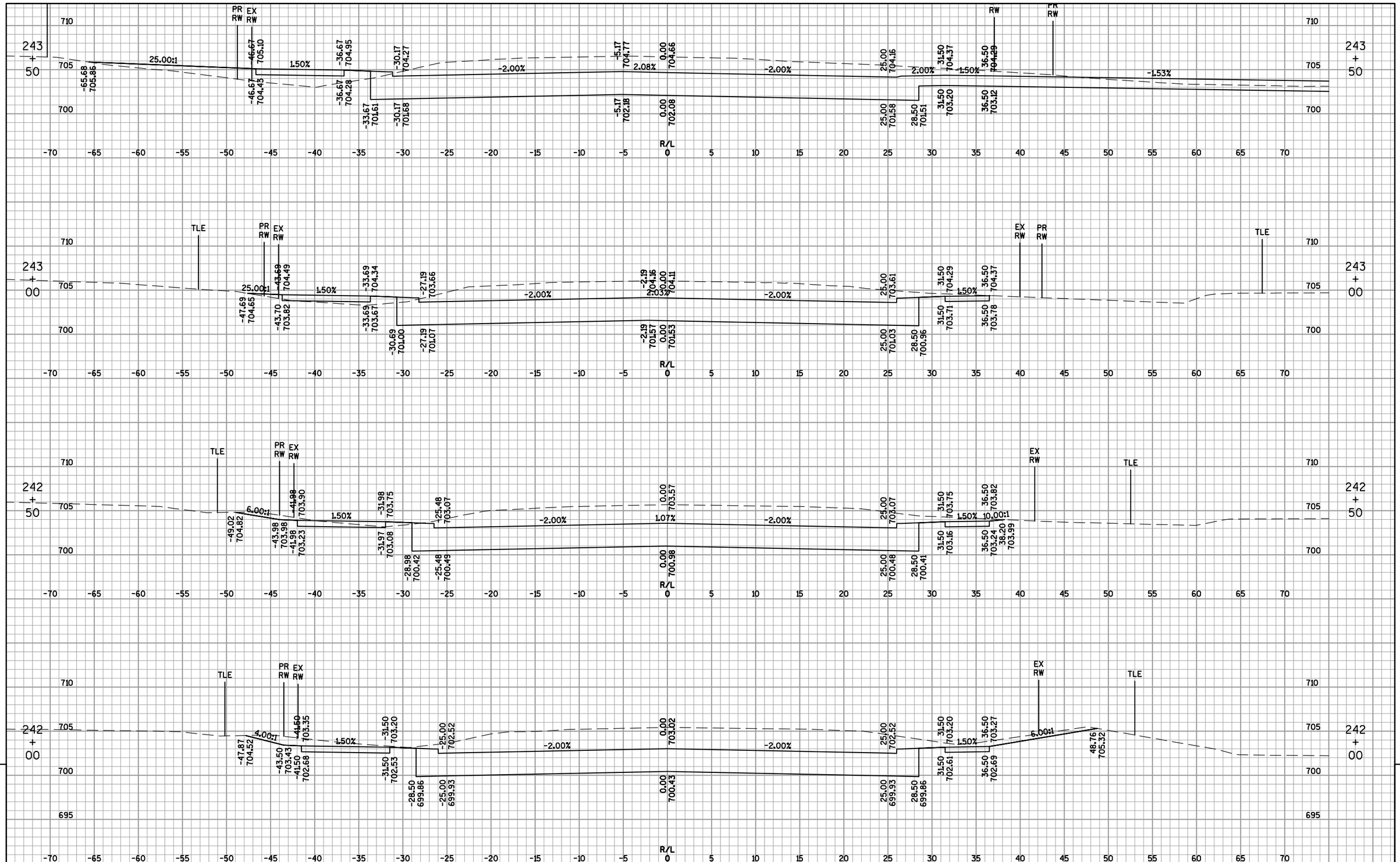
PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	CROSS SECTIONS: STH 55 (DELANGLADE ST) NORTHBOUND	SHEET 642	E



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PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	CROSS SECTIONS: STH 55 (DELANGLADE ST) NORTHBOUND	SHEET 643	E

FILE NAME : F:\TR\JOBS\E1859A08\CIVIL 3D 2012\SHEETSPLAN\46500871_090200_XS.DWG
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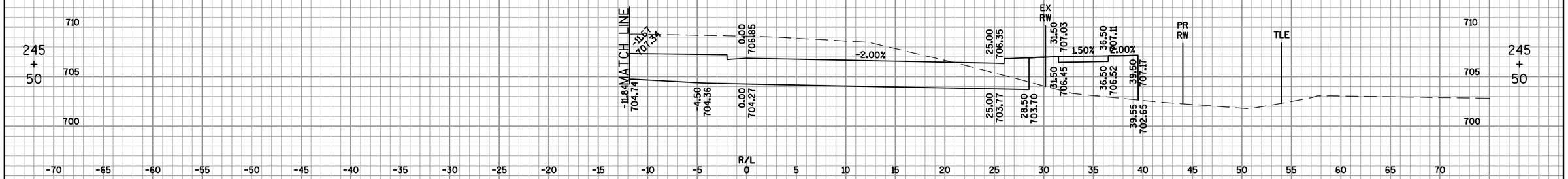
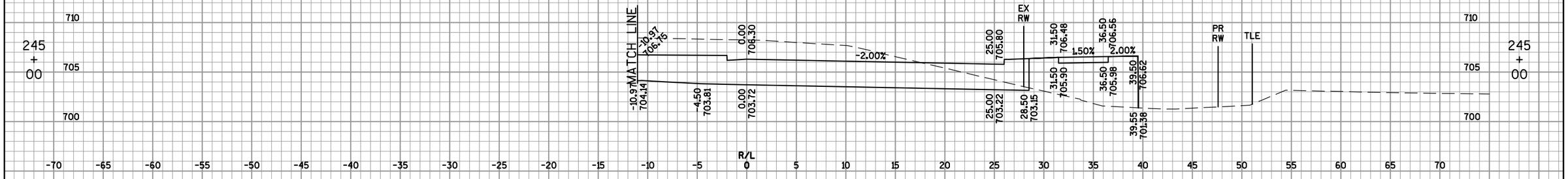
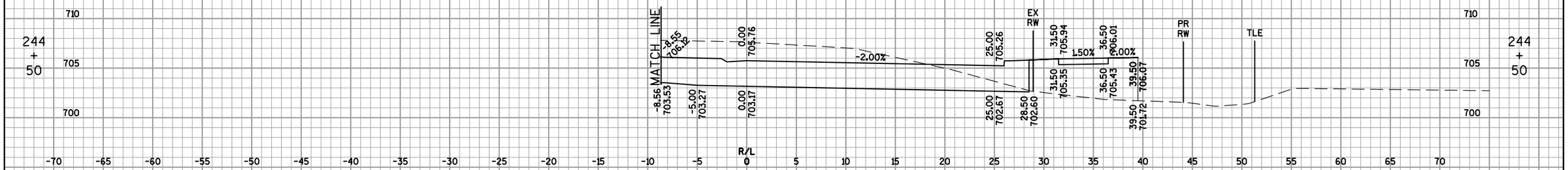
PLOT DATE : 9/6/2017 3:57 PM

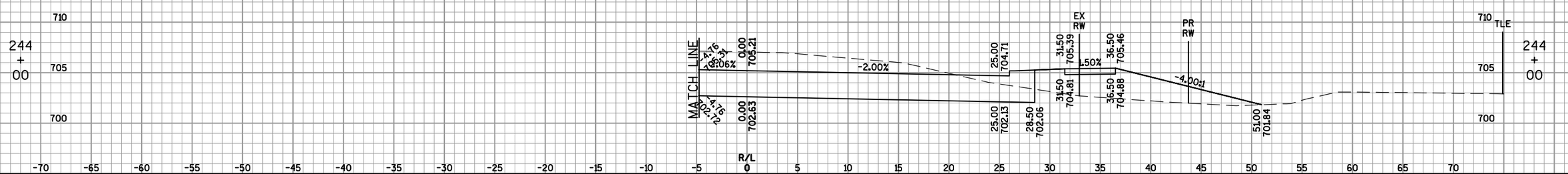
PLOT BY : OMNNI ASSOCIATES, INC - CRAIG KNUTH

WISDOT/CADDS SHEET 49









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PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	CROSS SECTIONS: STH 55 (DELANGLADE ST) NORTHBOUND	SHEET 644	E

FILE NAME : F:\TR\JOBS\E1859A08\CIVIL 3D 2012\SHEETSPLAN\46500871_090200_XS.DWG
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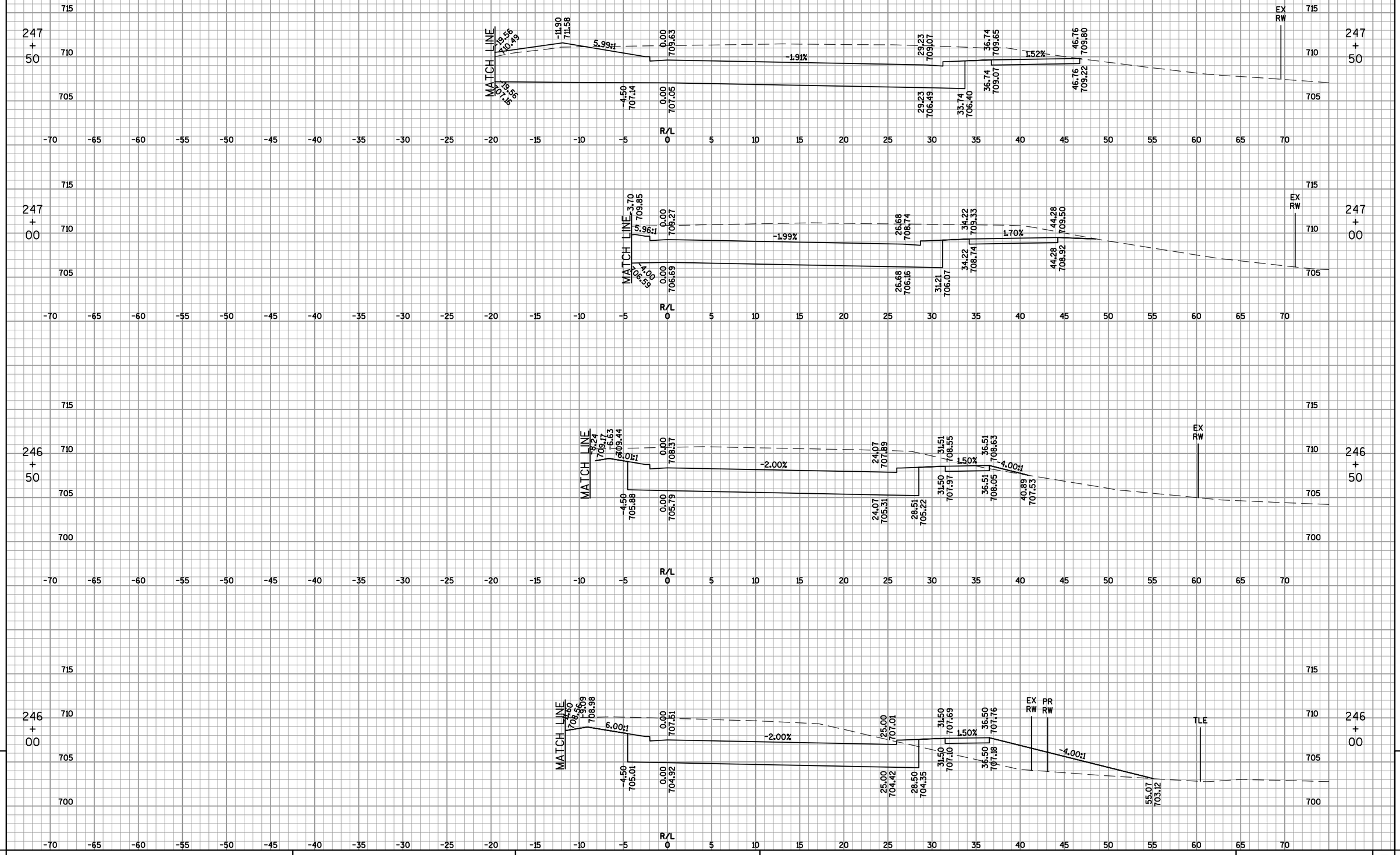
PLOT DATE : 9/6/2017 3:58 PM

PLOT BY : OMNNI ASSOCIATES, INC - CRAIG KNUTH

WISDOT/CADDS SHEET 49



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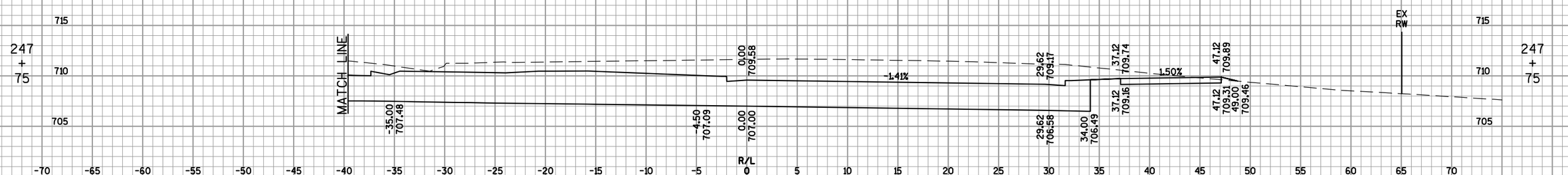
PROJECT NO: 4650-08-71 | HWY: STH 55 | COUNTY: OUTAGAMIE | CROSS SECTIONS: STH 55 (DELANGLADE ST) NORTHBOUND | SHEET 645 | E



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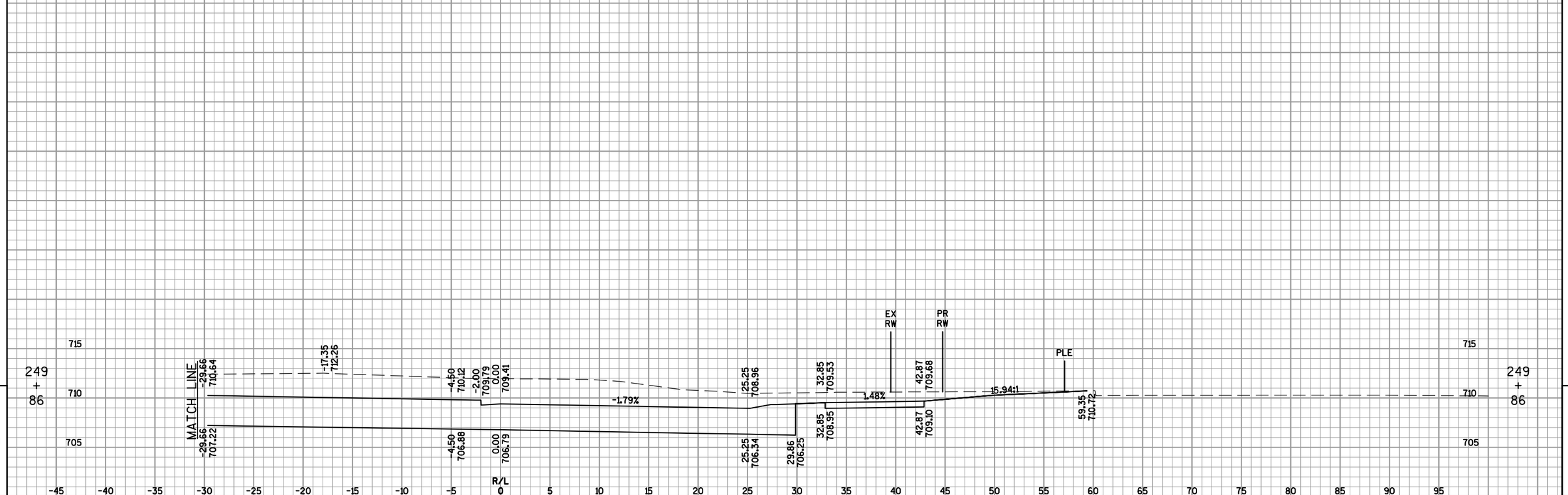
9

PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	CROSS SECTIONS: STH 55 (DELANGLADE ST) NORTHBOUND	SHEET 646	E

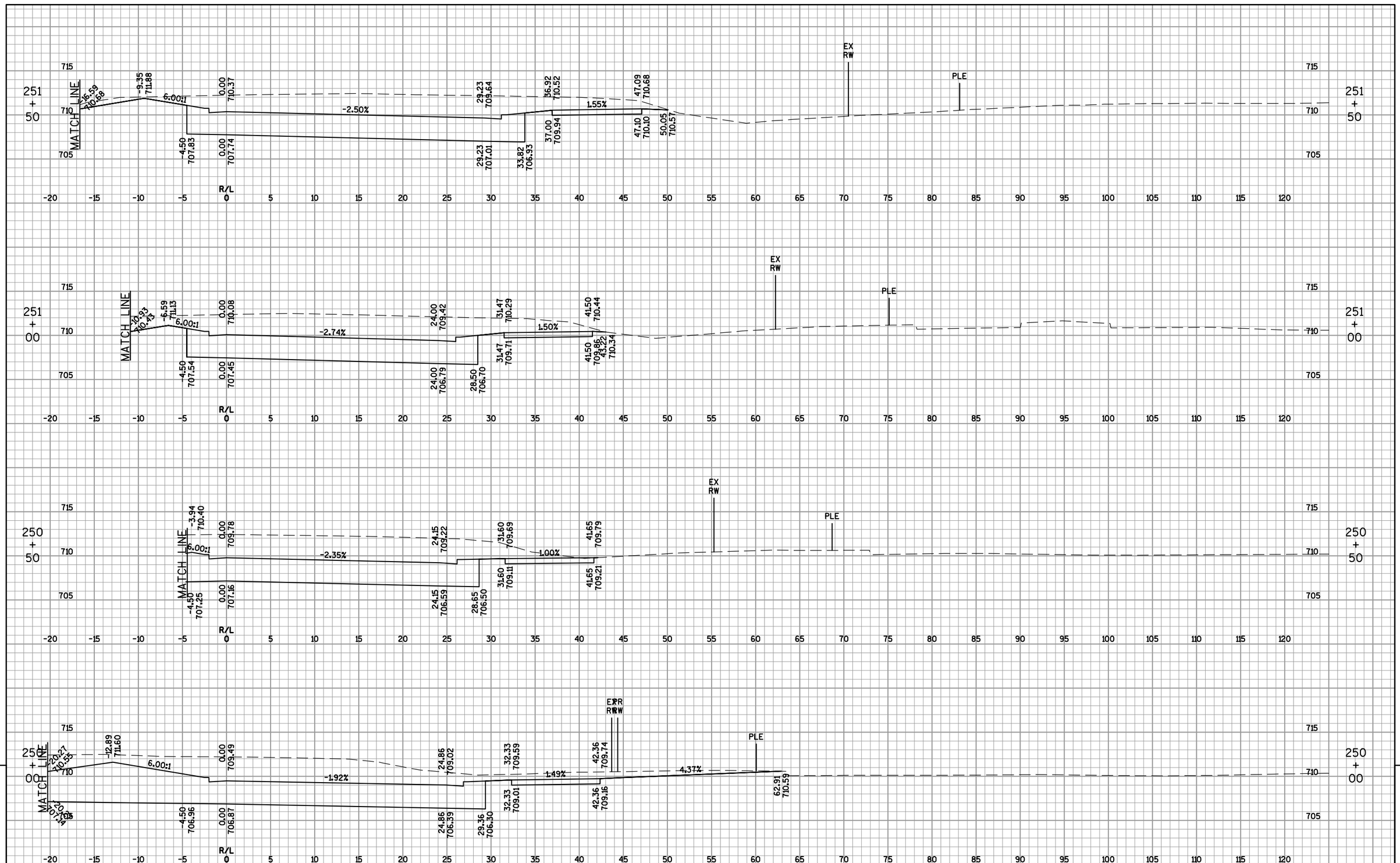
FILE NAME : F:\TR\JOBS\E1859A08\CIVIL 3D 2012\SHEETSPLAN\46500871_090200_XS.DWG
46500871_090235_xs

PLOT DATE : 9/6/2017 3:58 PM

PLOT BY : OMNNI ASSOCIATES, INC - CRAIG KNUTH



PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	CROSS SECTIONS: STH 55 (DELANGLADE ST) NORTHBOUND	SHEET 647	E



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PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	CROSS SECTIONS: STH 55 (DELANGLADE ST) NORTHBOUND	SHEET 648	E

FILE NAME : F:\TR\JOBS\E1859A08\CIVIL 3D 2012\SHEETSPLAN\46500871_090200_XS-55B.DWG
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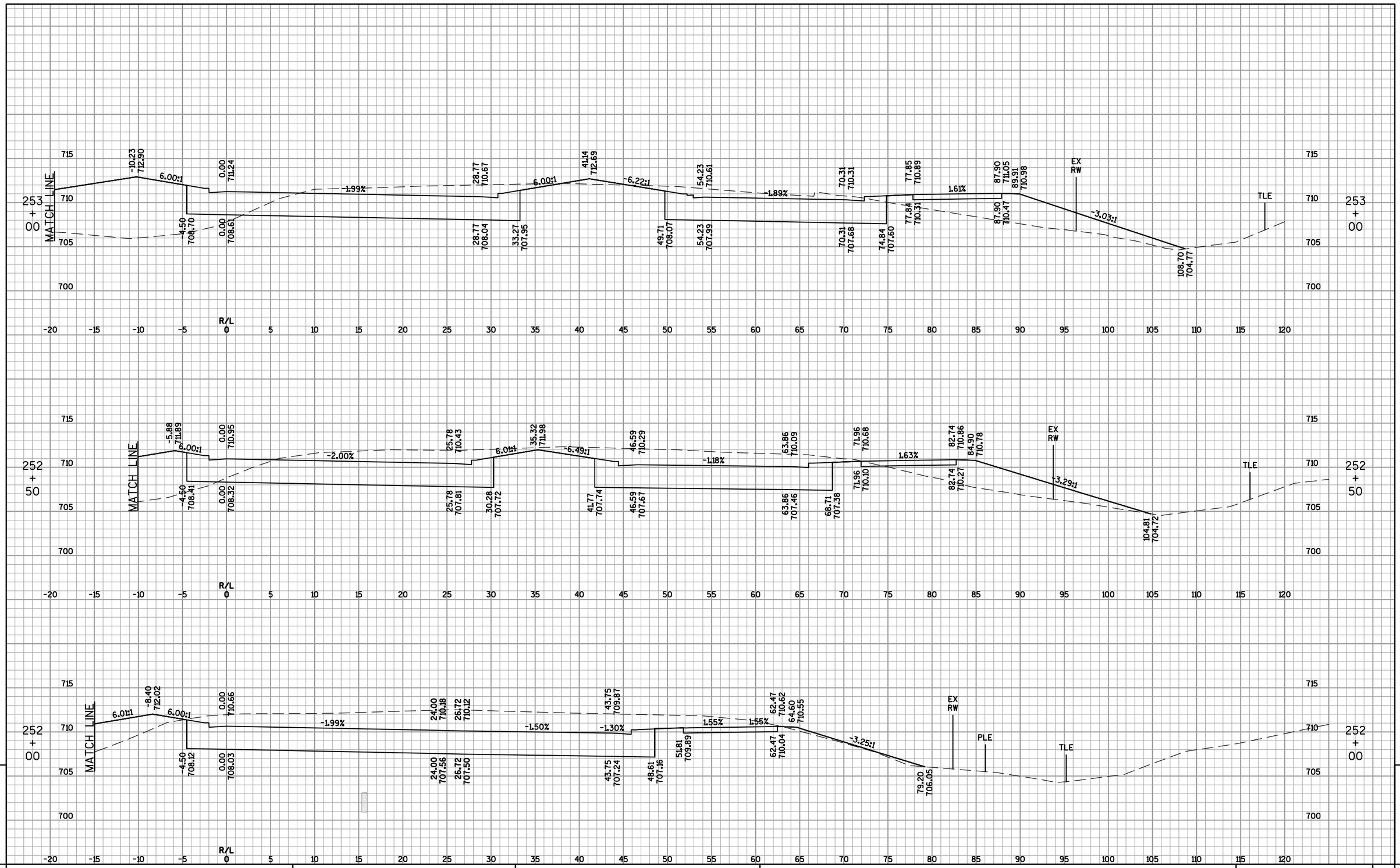
PLOT DATE : 5/15/2017 1:53 PM PLOT BY : OMNNI ASSOCIATES, INC - CRAIG KNUTH



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PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	CROSS SECTIONS: STH 55 (DELANGLADE ST) NORTHBOUND	SHEET 649	E

FILE NAME : F:\TR\JOBS\E1859A08\CIVIL 3D 2012\SHEETSPLAN\46500871_090200_XS-55B.DWG
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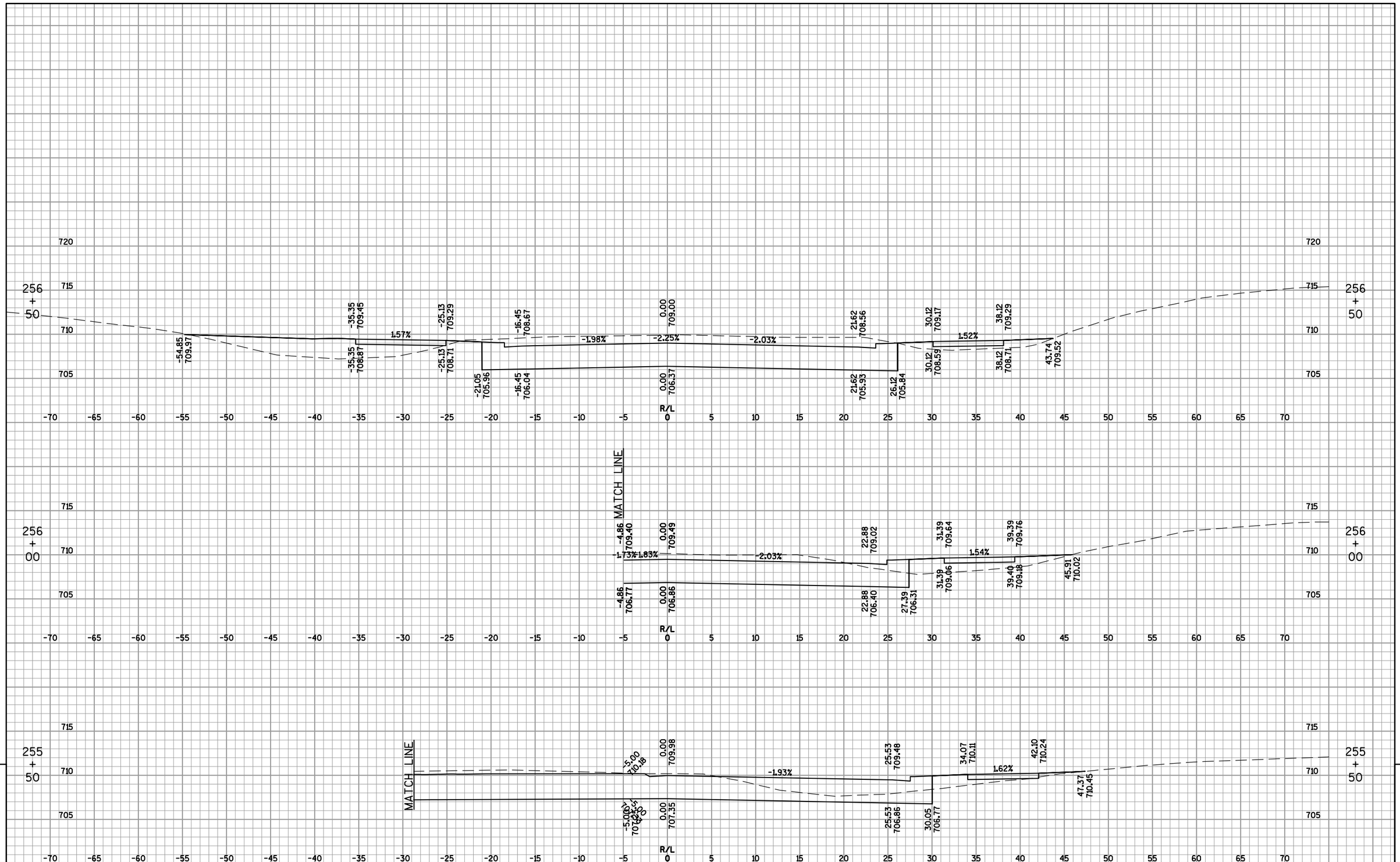
PLOT DATE : 5/15/2017 1:54 PM PLOT BY : OMNNI ASSOCIATES, INC - CRAIG KNUTH



PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	CROSS SECTIONS: STH 55 (DELANGLADE ST) NORTHBOUND	SHEET 650	E

FILE NAME : F:\TR\JOBS\E1859A08\CIVIL 3D 2012\SHEETSPLAN\46500871_090200_XS-55B.DWG
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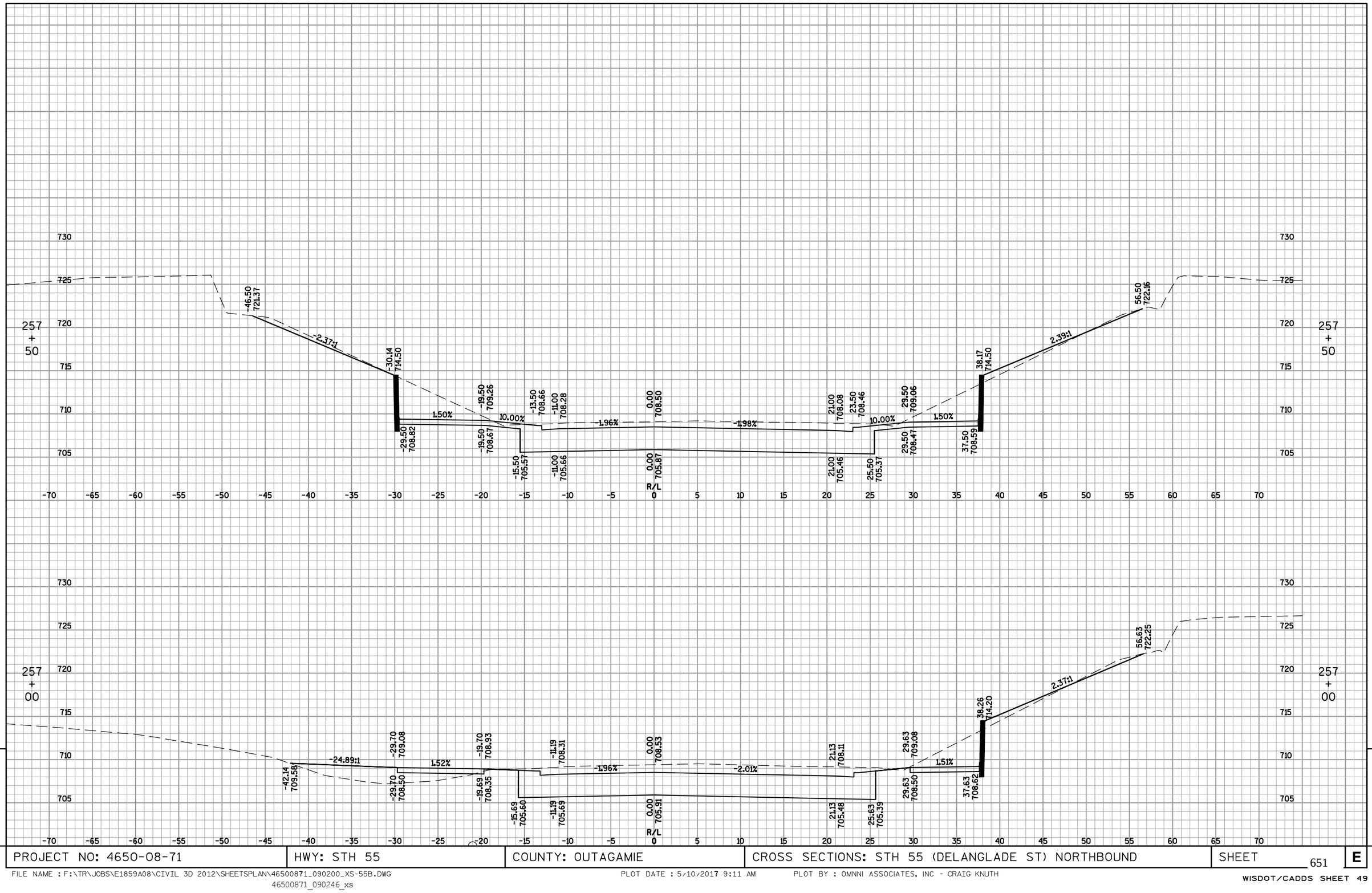
PLOT DATE : 5/16/2017 3:42 PM PLOT BY : OMNNI ASSOCIATES, INC - CRAIG KNUTH

WISDOT/CADDS SHEET 49



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PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	CROSS SECTIONS: STH 55 (DELANGLADE ST) NORTHBOUND	SHEET 651	E

FILE NAME : F:\TR\JOBS\E1859A08\CIVIL 3D 2012\SHEETSPLAN\46500871_090200_XS-55B.DWG
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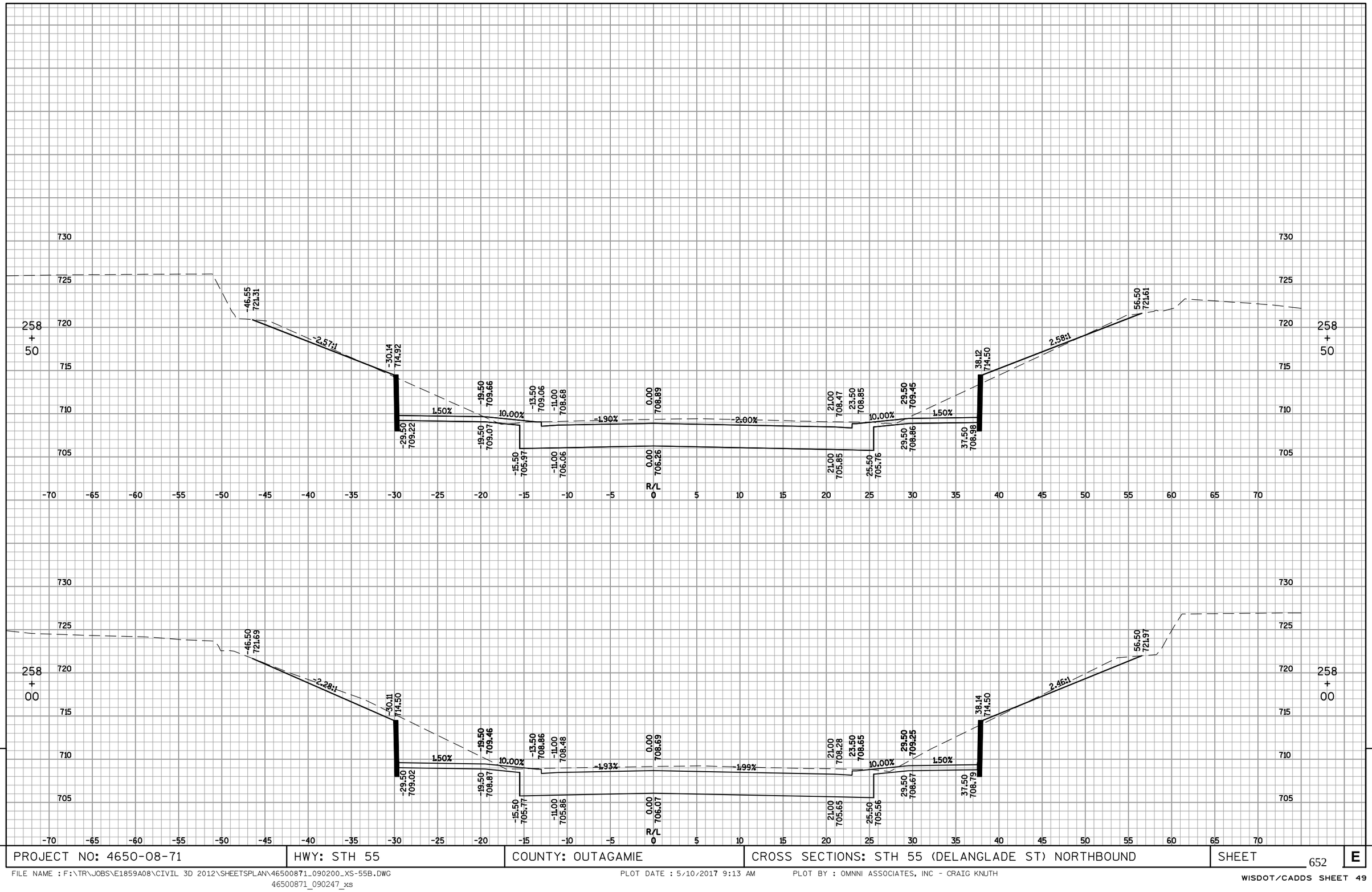
PLOT DATE : 5/10/2017 9:11 AM

PLOT BY : OMNNI ASSOCIATES, INC - CRAIG KNUTH

WISDOT/CADDS SHEET 49



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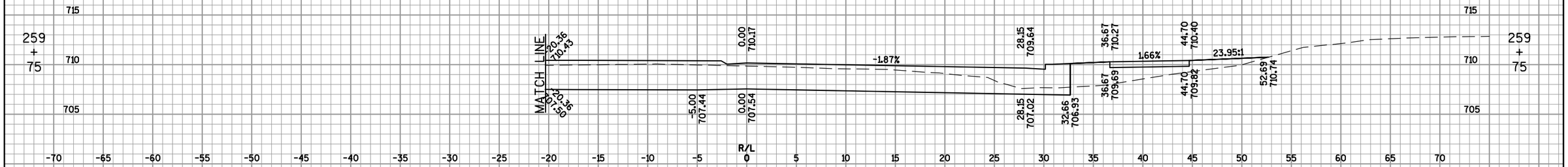
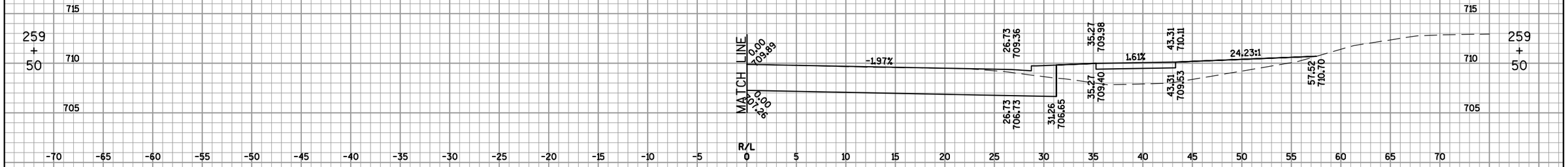
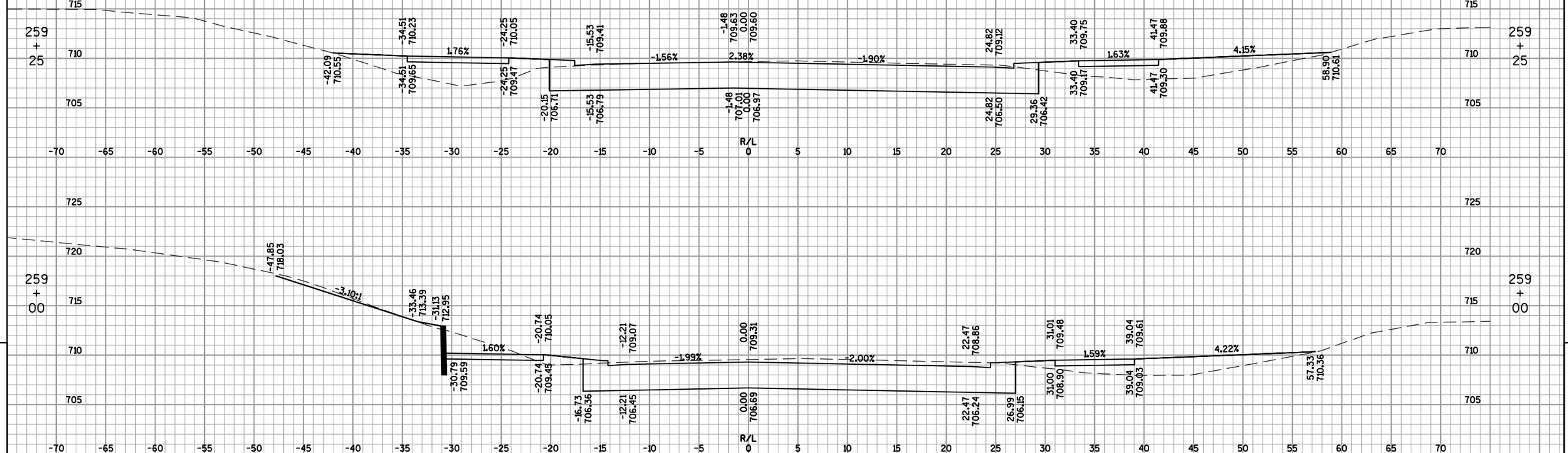
PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	CROSS SECTIONS: STH 55 (DELANGLADE ST) NORTHBOUND	SHEET 652	E







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PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	CROSS SECTIONS: STH 55 (DELANGLADE ST) NORTHBOUND	SHEET 653	E

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FILE NAME : F:\TR\JOBS\E1859A08\CIVIL 3D 2012\SHEETSPLAN\46500871_090200_XS-55B.DWG
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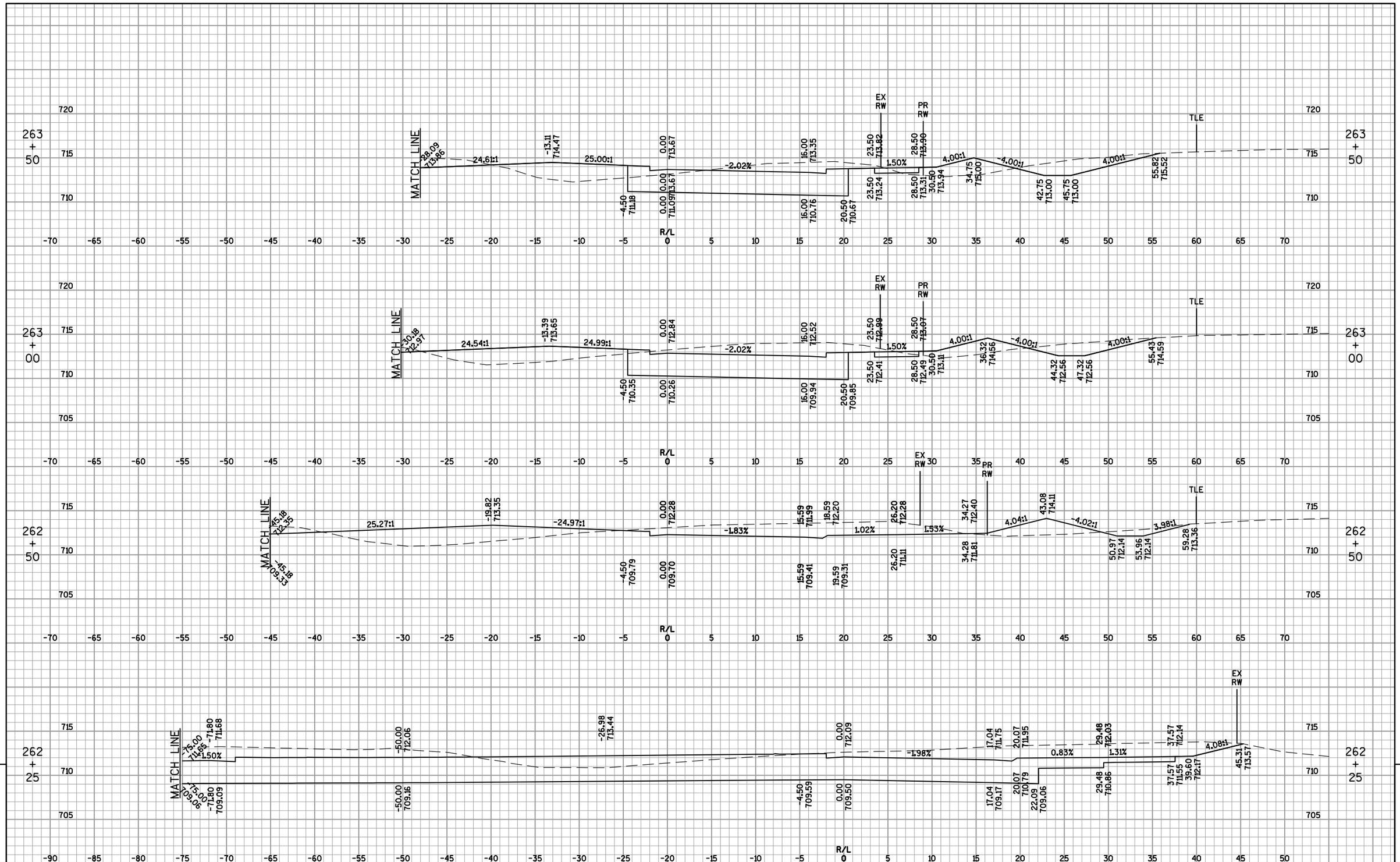
PLOT DATE : 5/10/2017 9:14 AM

PLOT BY : OMNNI ASSOCIATES, INC - CRAIG KNUTH



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PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	CROSS SECTIONS: STH 55 (DELANGLADE ST) NORTHBOUND	SHEET 654	E

FILE NAME : F:\TR\JOBS\E1859A08\CIVIL 3D 2012\SHEETSPLAN\46500871_090200_XS-55B.DWG
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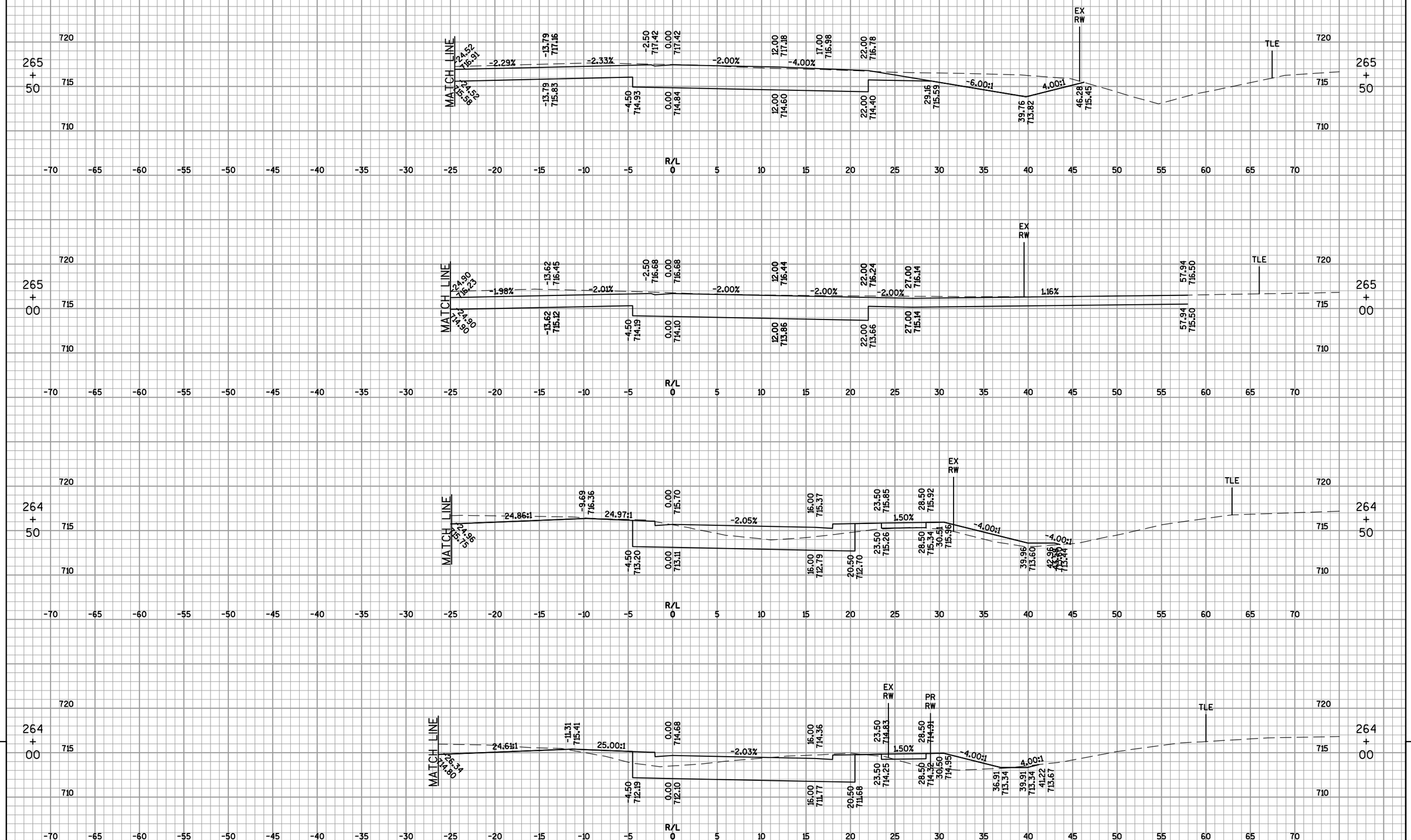
PLOT DATE : 9/10/2017 10:10 AM PLOT BY : OMNNI ASSOCIATES, INC - CRAIG KNUTH



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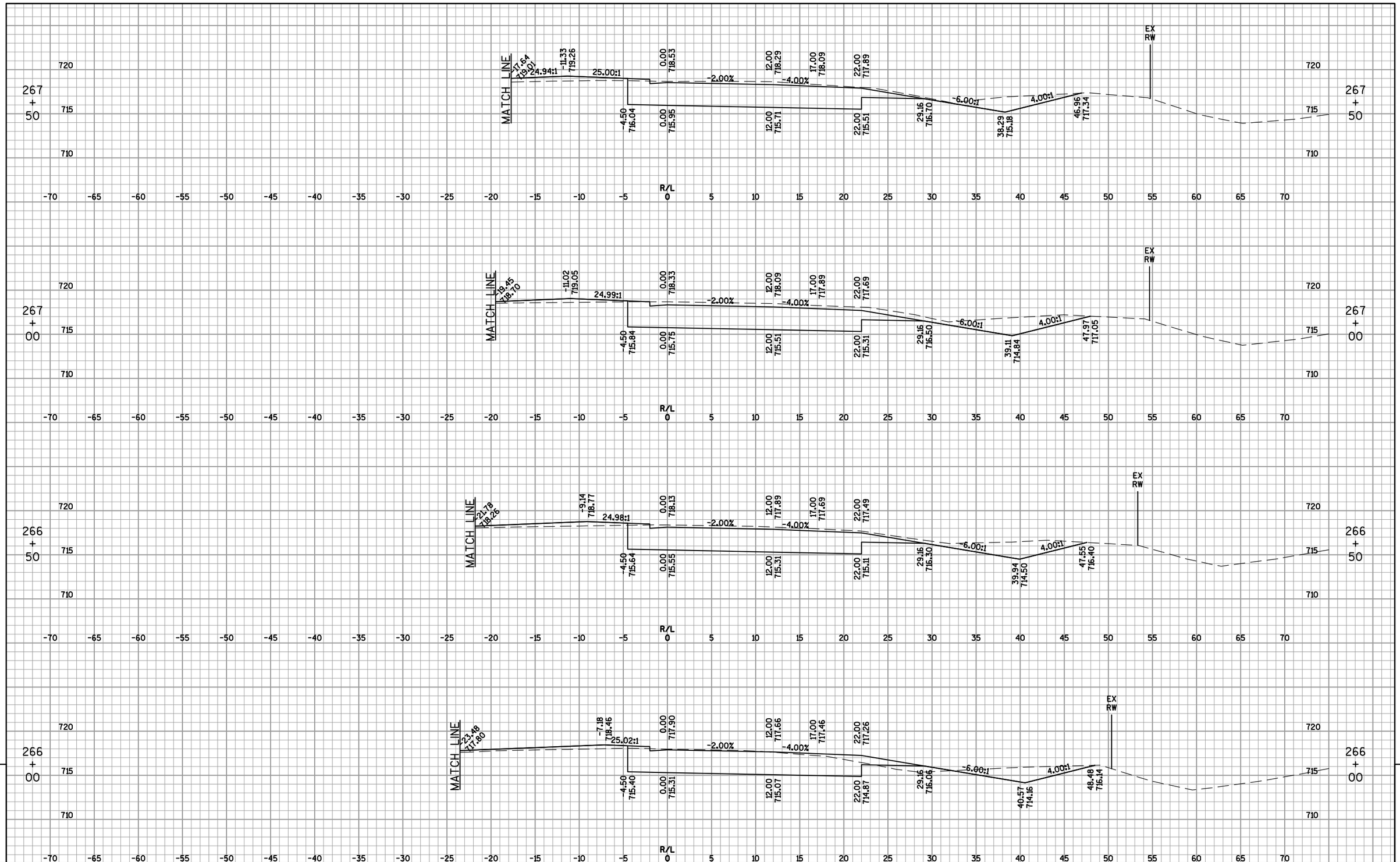
PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	CROSS SECTIONS: STH 55 (DELANGLADE ST) NORTHBOUND	SHEET 655	E



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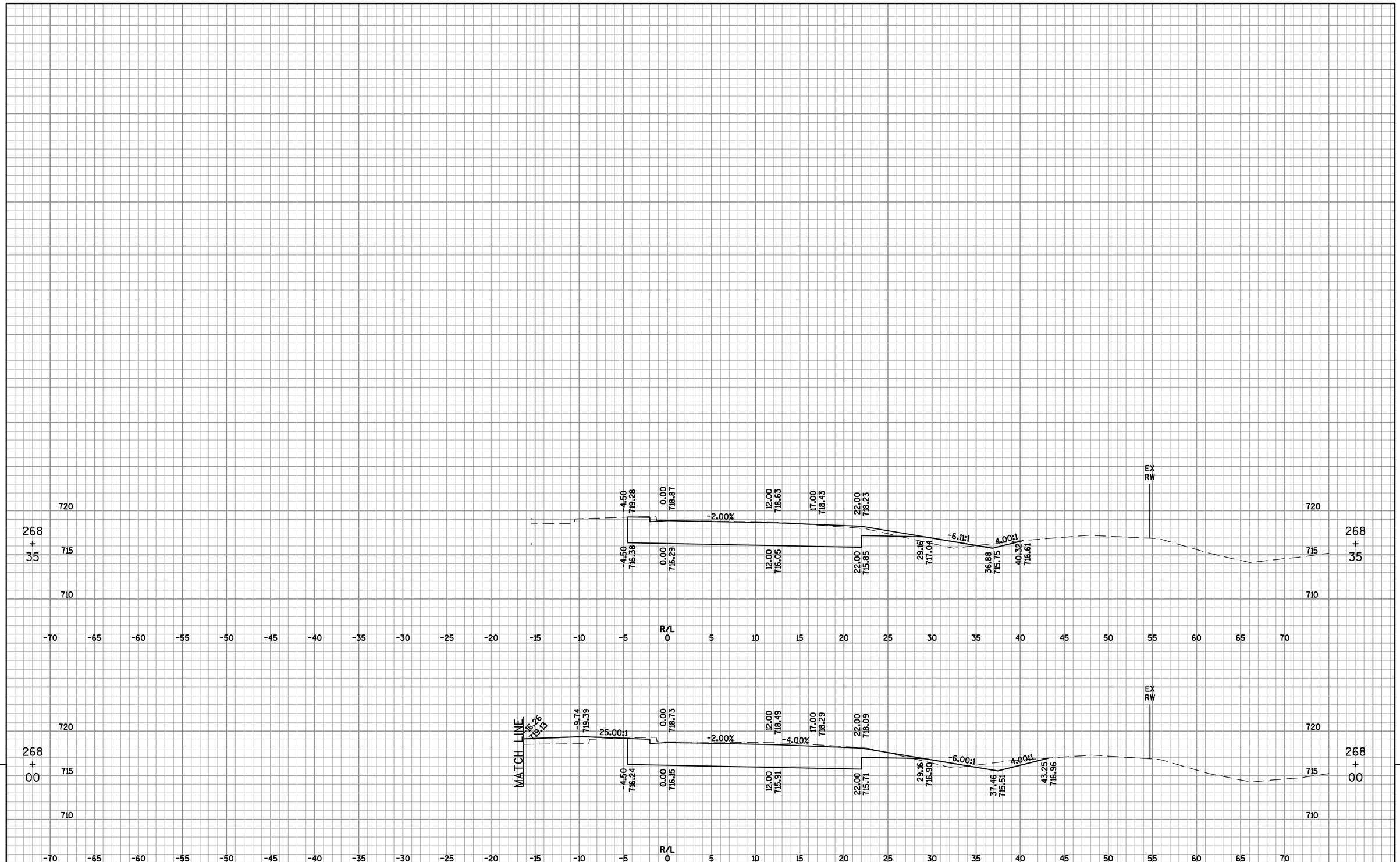
PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	CROSS SECTIONS: STH 55 (DELANGLADE ST) NORTHBOUND	SHEET 656	E



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PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	CROSS SECTIONS: STH 55 (DELANGLADE ST) NORTHBOUND	SHEET 657	E

FILE NAME : F:\TR\JOBS\E1859A08\CIVIL 3D 2012\SHEETSPLAN\46500871_090200_XS-55B.DWG
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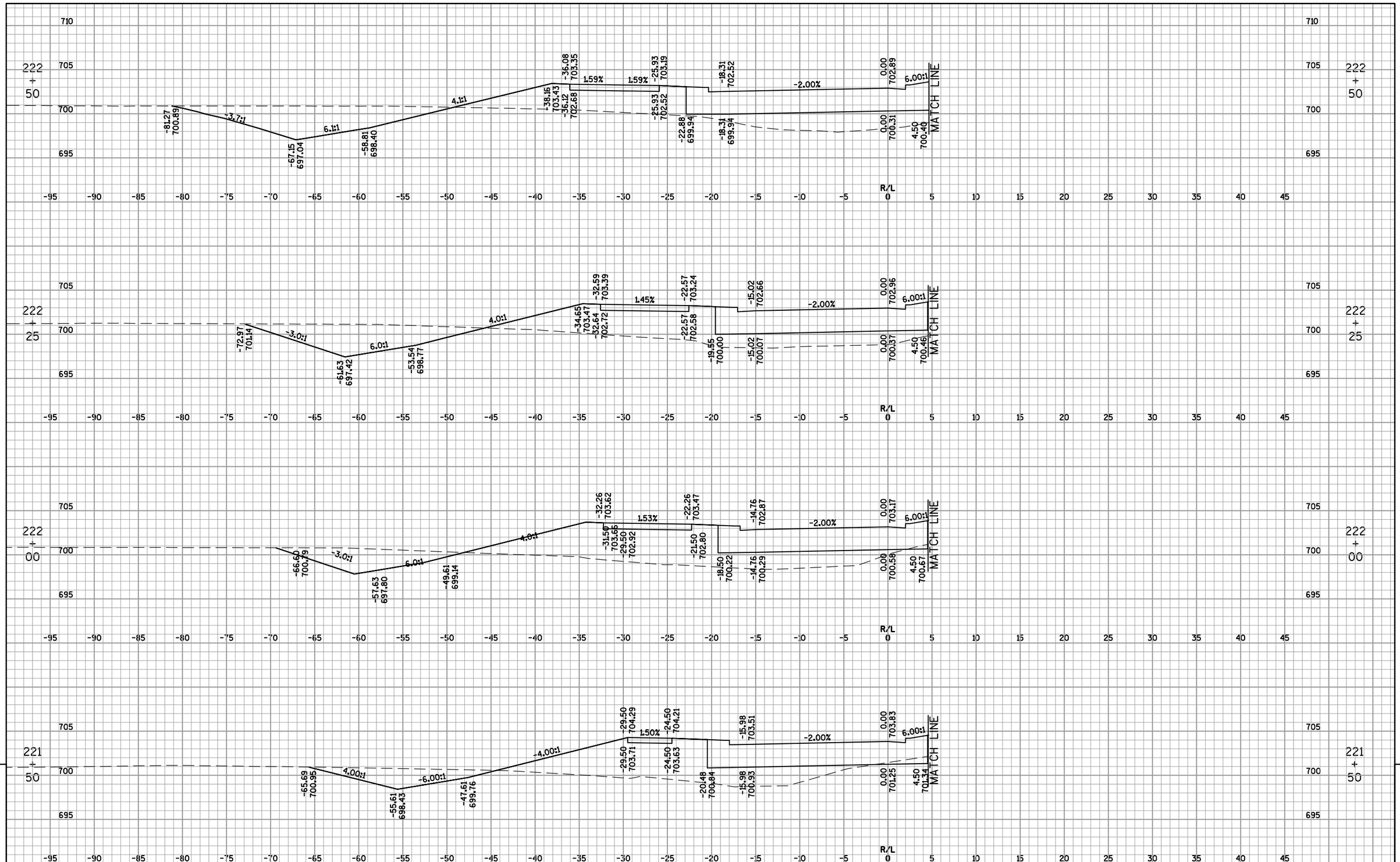
PLOT DATE : 9/10/2017 10:14 AM PLOT BY : OMNNI ASSOCIATES, INC - CRAIG KNUTH



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PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	CROSS SECTIONS: STH 55 (DELANGLADE ST) SOUTHBOUND	SHEET 658	E

FILE NAME : F:\TR\JOBS\E1859A08\CIVIL 3D 2012\SHEETSPLAN\46500871_090200_XS.DWG
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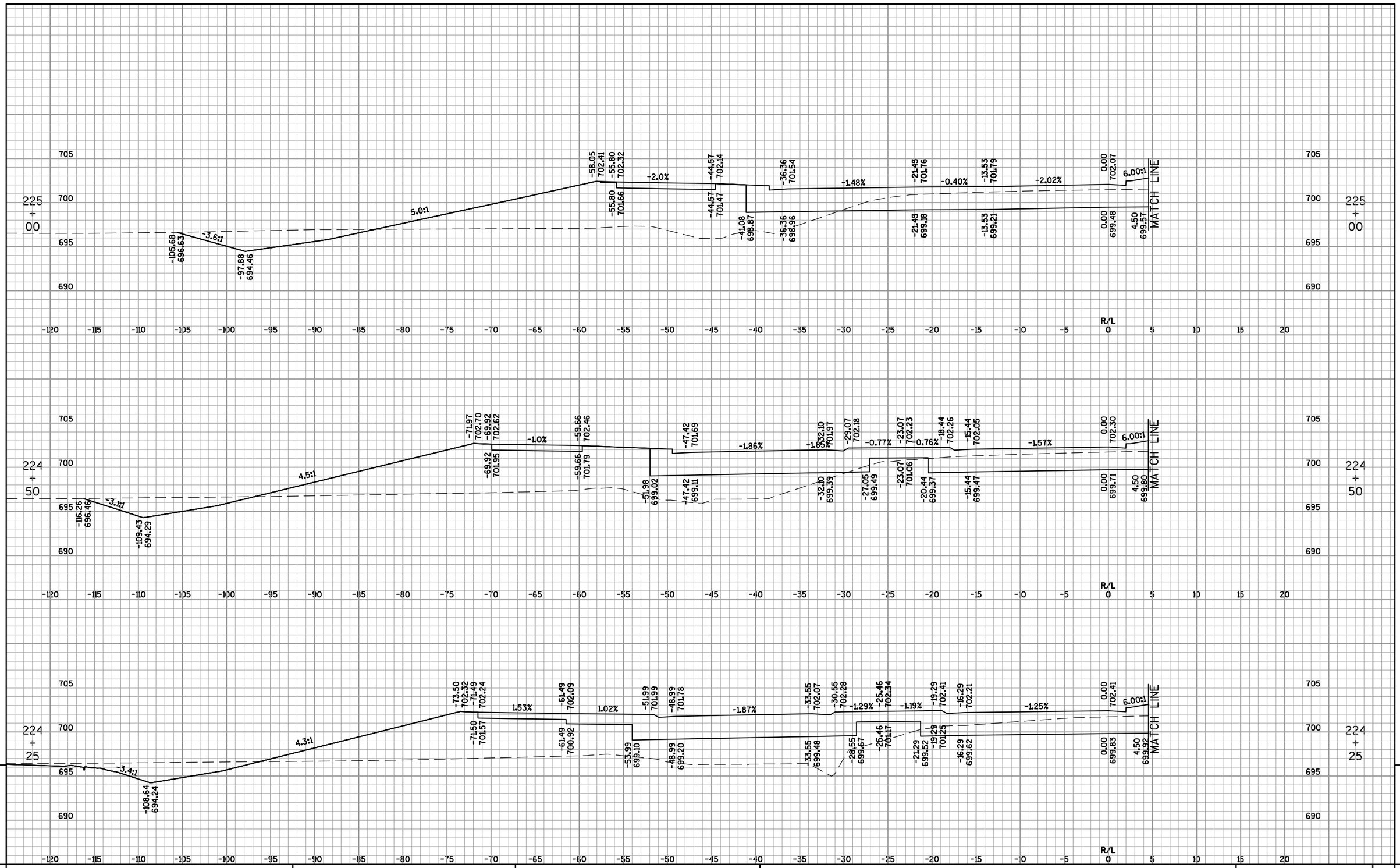
PLOT DATE : 4/21/2017 1:31 PM PLOT BY : OMNNI ASSOCIATES, INC - CRAIG KNUTH

WISDOT/CADDS SHEET 49



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PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	CROSS SECTIONS: STH 55 (DELANGLADE ST) SOUTHBOUND	SHEET 659	E

FILE NAME : F:\TR\JOBS\E1859A08\CIVIL 3D 2012\SHEETSPLAN\46500871_090200_XS.DWG
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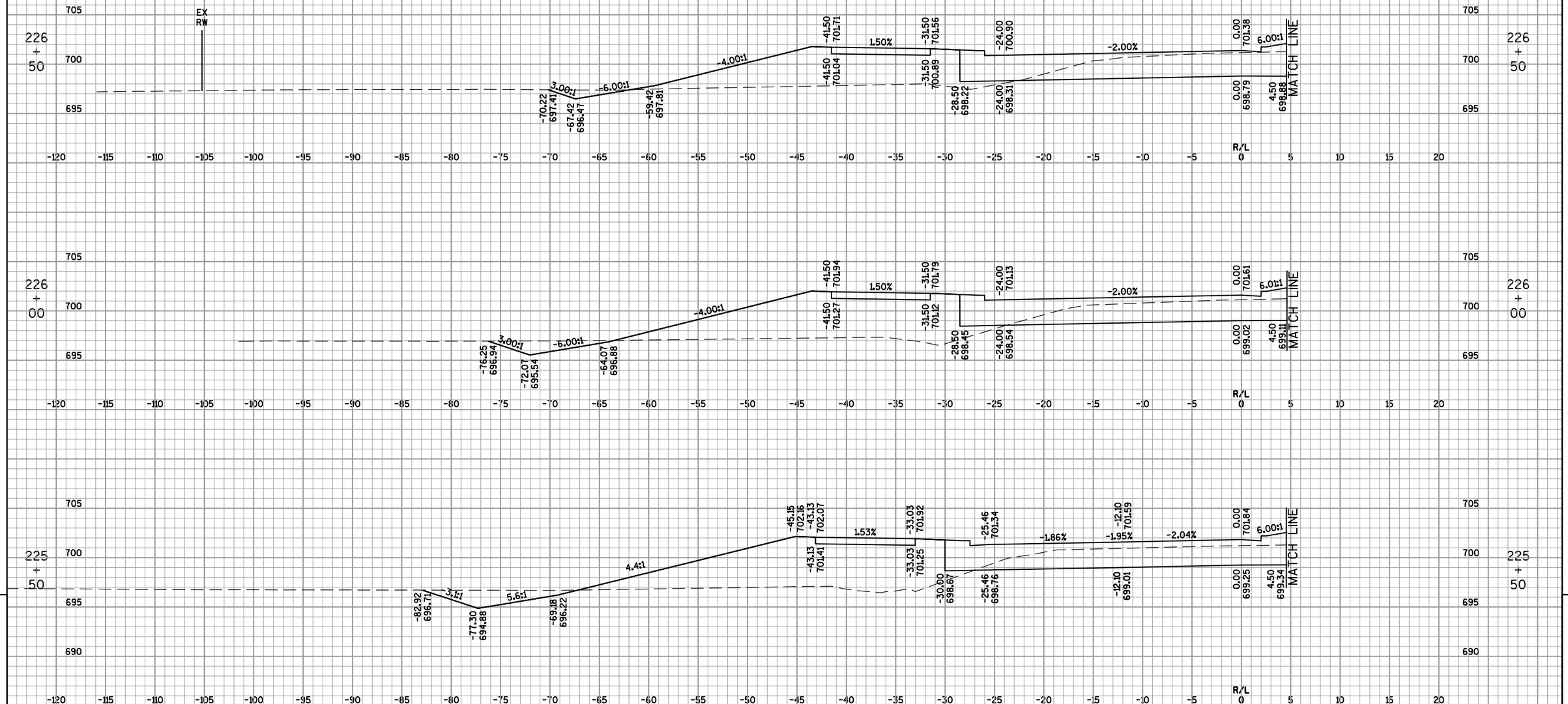
PLOT DATE : 4/21/2017 1:32 PM PLOT BY : OMNNI ASSOCIATES, INC - CRAIG KNUTH



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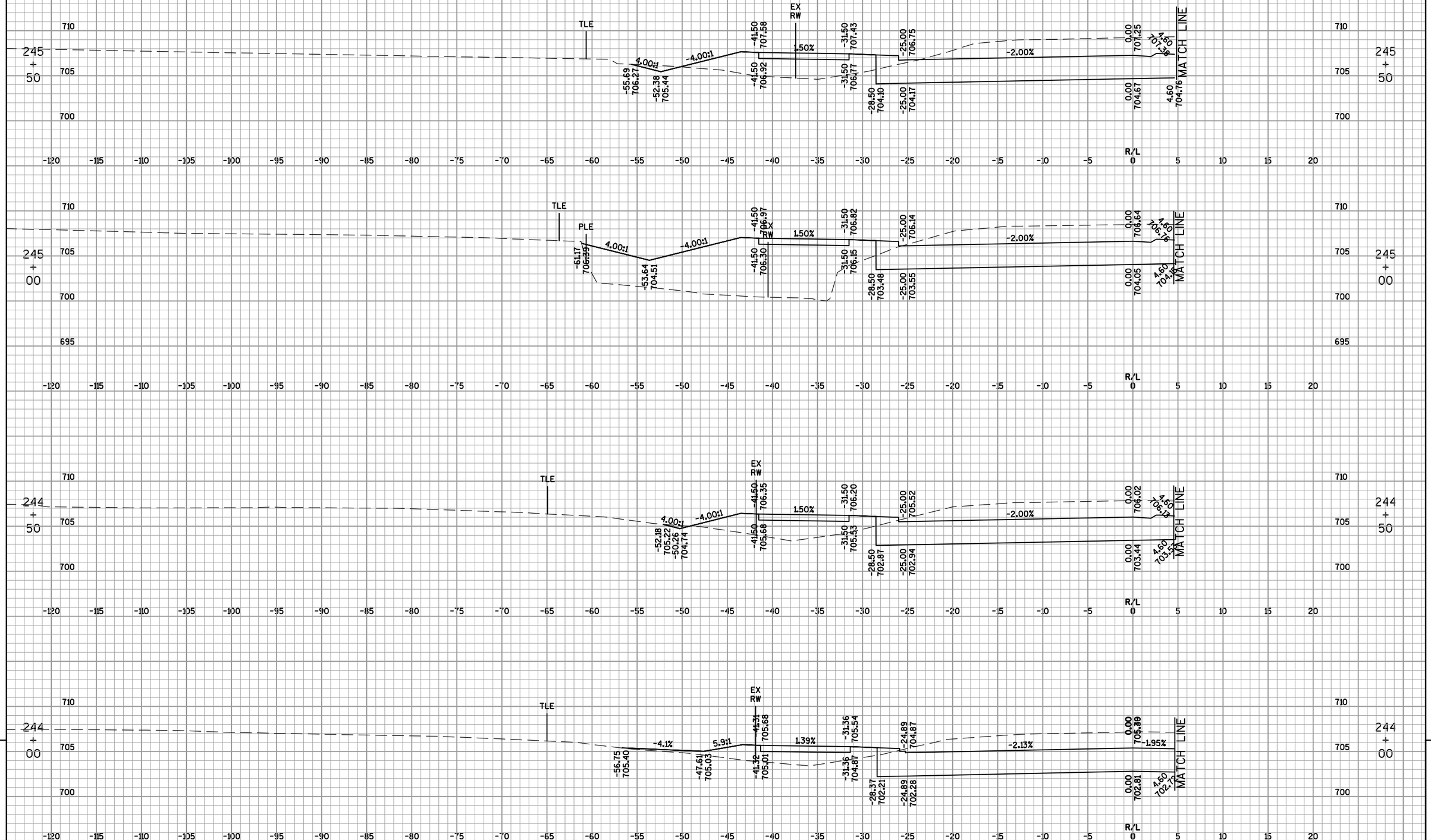
PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	CROSS SECTIONS: STH 55 (DELANGLADE ST) SOUTHBOUND	SHEET 660	E

9

FILE NAME : F:\TR\JOBS\E1859A08\CIVIL 3D 2012\SHEETSPLAN\46500871_090200_XS.DWG
46500871_090259_xs

PLOT DATE : 4/21/2017 1:33 PM

PLOT BY : OMNNI ASSOCIATES, INC - CRAIG KNUTH



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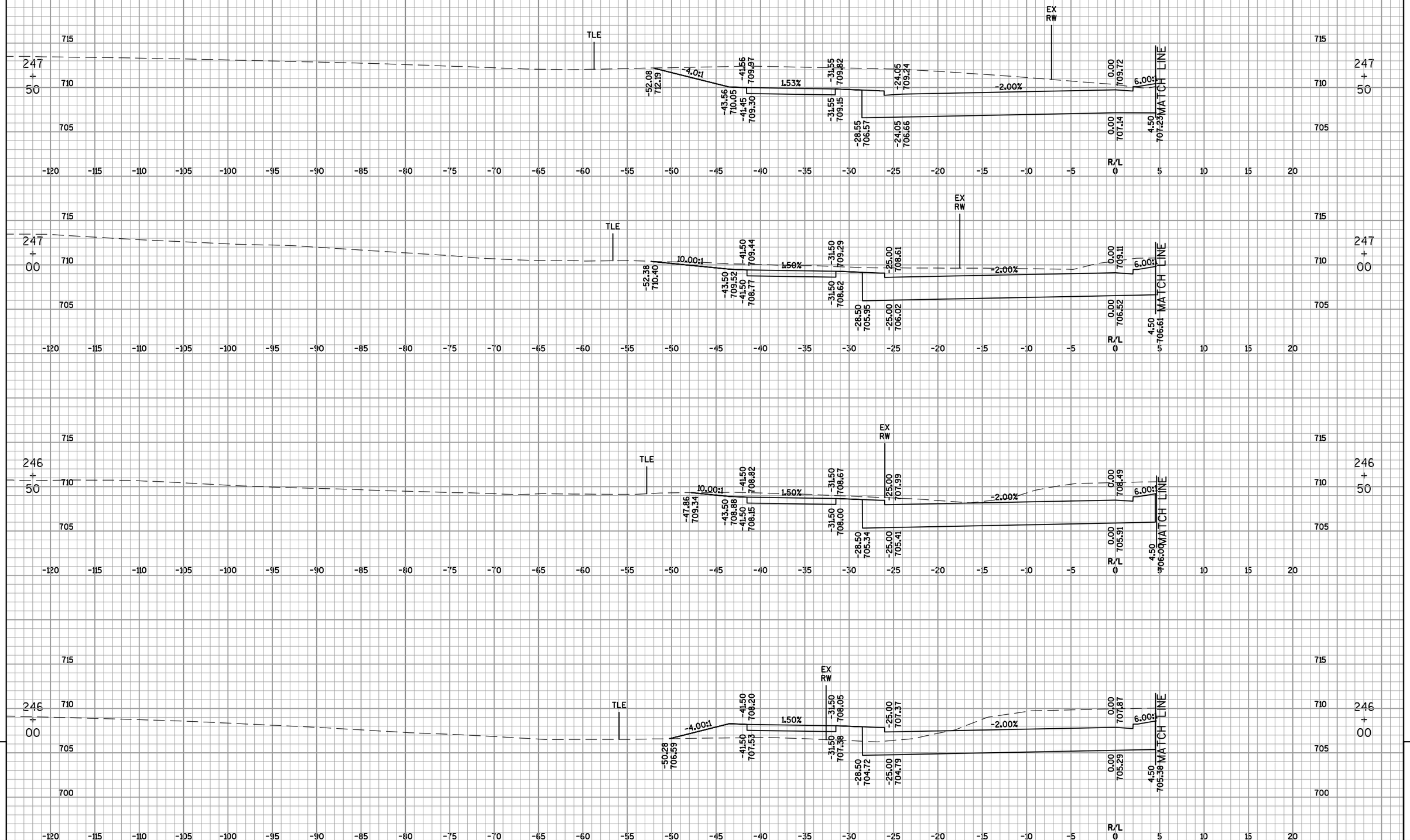
PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	CROSS SECTIONS: STH 55 (DELANGLADE ST) SOUTHBOUND	SHEET 661	E

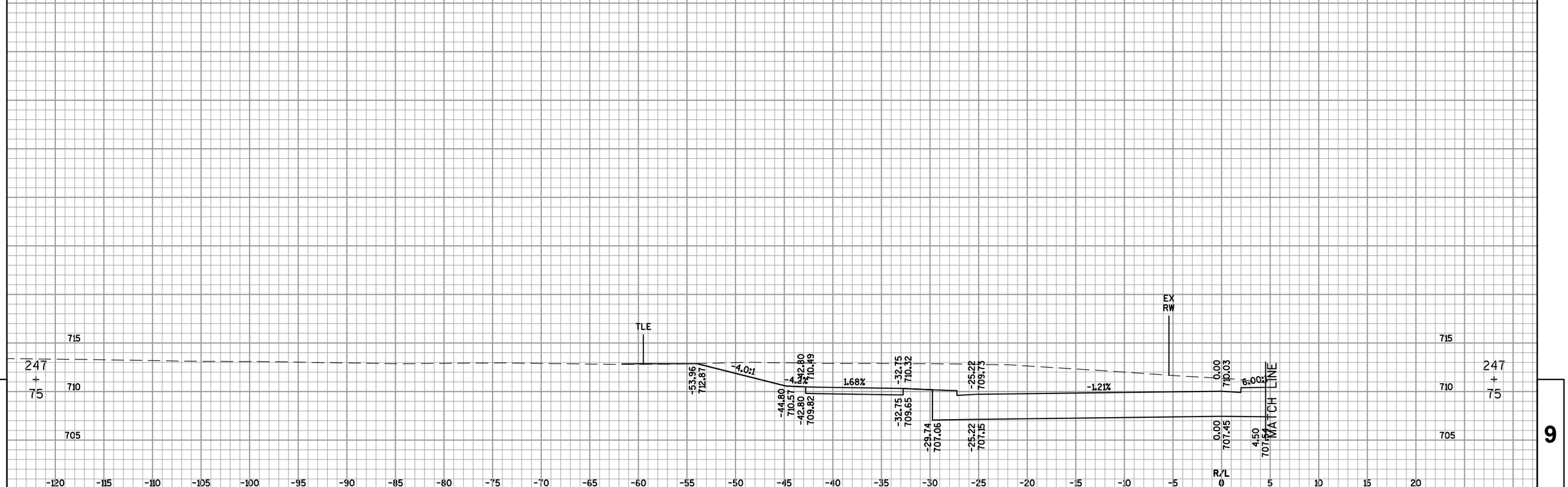


PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	CROSS SECTIONS: STH 55 (DELANGLADE ST) SOUTHBOUND	SHEET 662 E

FILE NAME : F:\TR\JOBS\E1859A08\CIVIL 3D 2012\SHEETSPLAN\46500871_090200_XS.DWG
46500871_090262_xs

PLOT DATE : 4/21/2017 1:34 PM PLOT BY : OMNNI ASSOCIATES, INC - CRAIG KNUTH

WISDOT/CADDS SHEET 49



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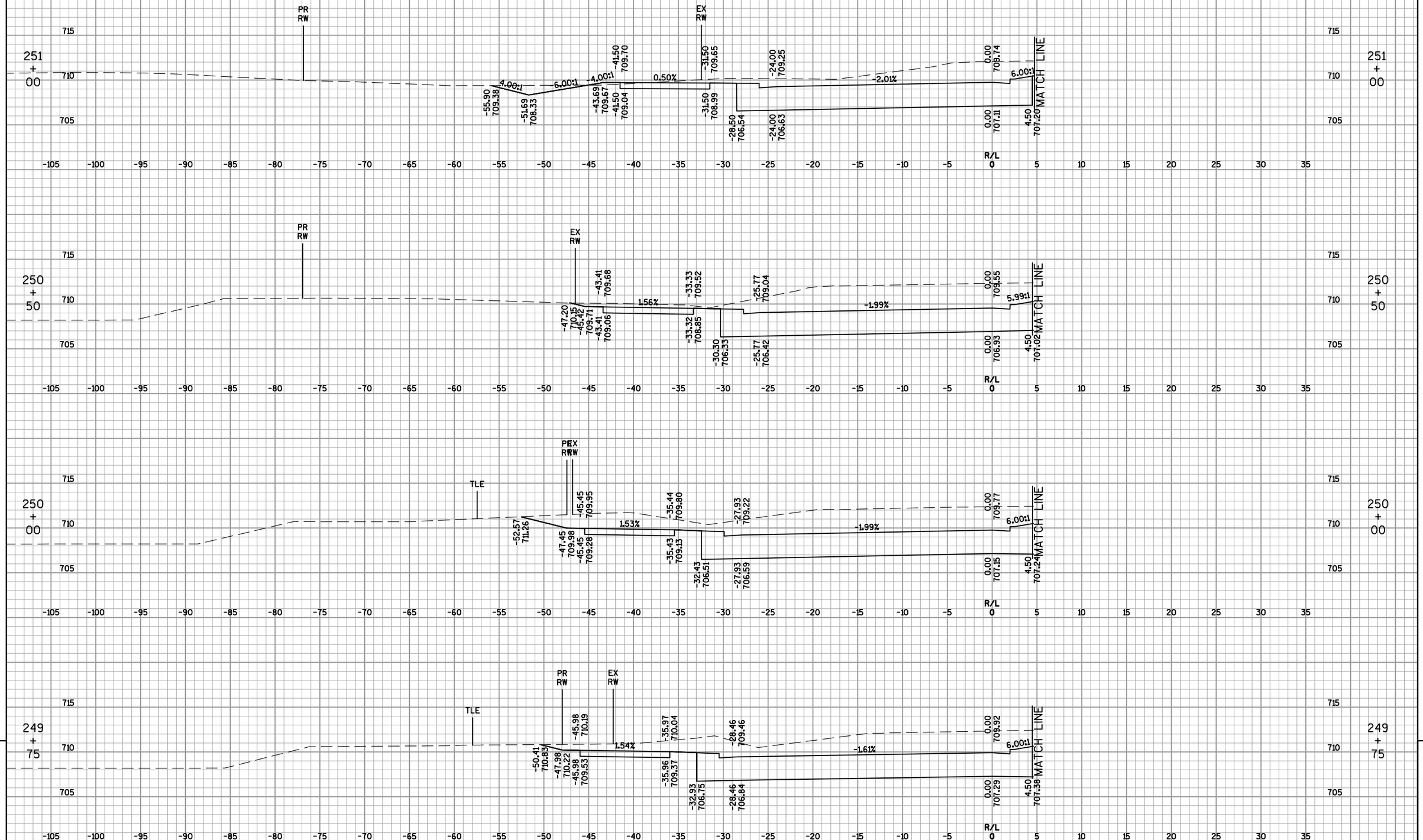
PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	CROSS SECTIONS: STH 55 (DELANGLADE ST) SOUTHBOUND	SHEET 663	E



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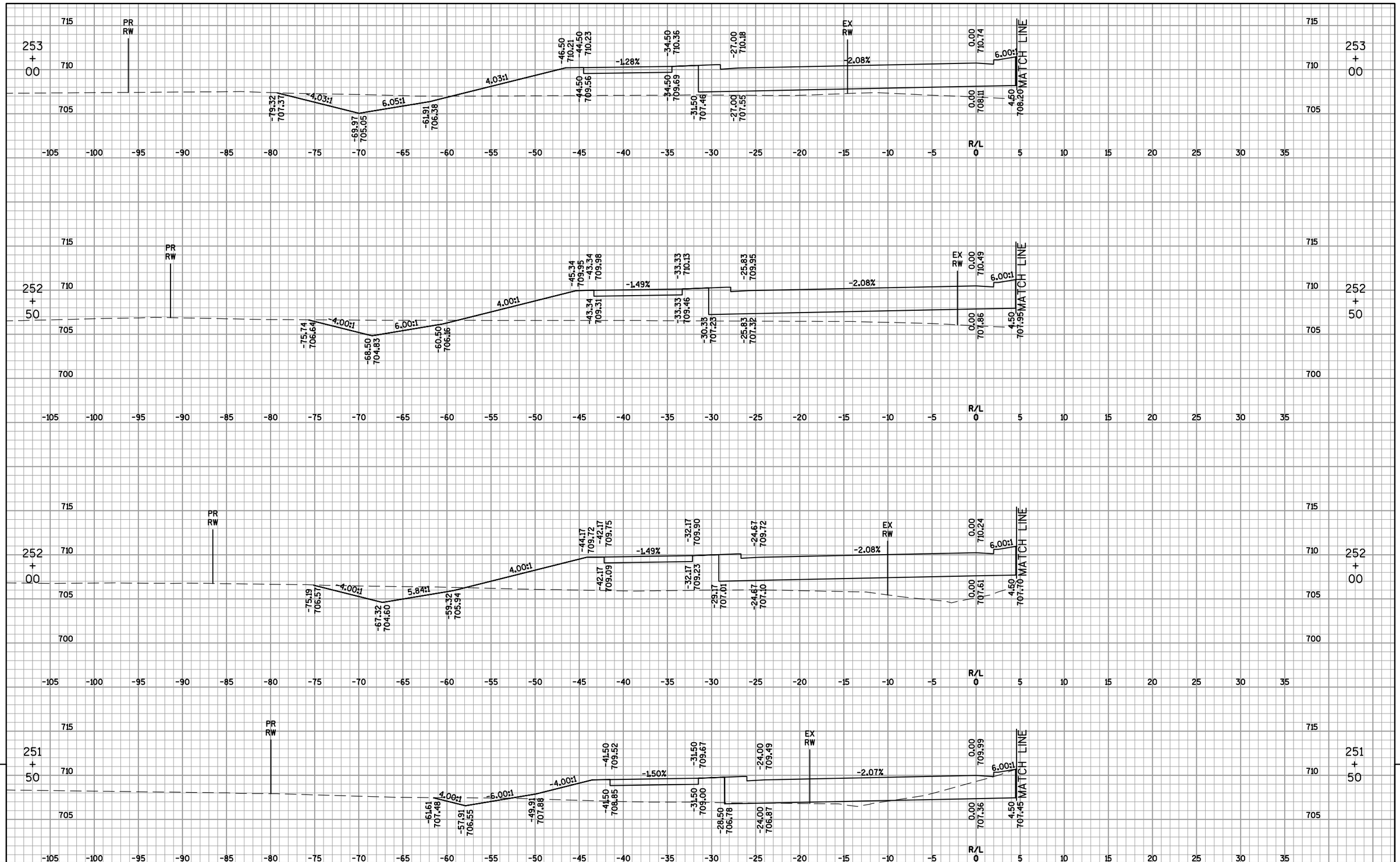
PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	CROSS SECTIONS: STH 55 (DELANGLADE ST) SOUTHBOUND	SHEET 664	E



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PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	CROSS SECTIONS: STH 55 (DELANGLADE ST) SOUTHBOUND	SHEET 665	E

FILE NAME : F:\TR\JOBS\E1859A08\CIVIL 3D 2012\SHEETSPLAN\46500871_090200_XS-55B.DWG
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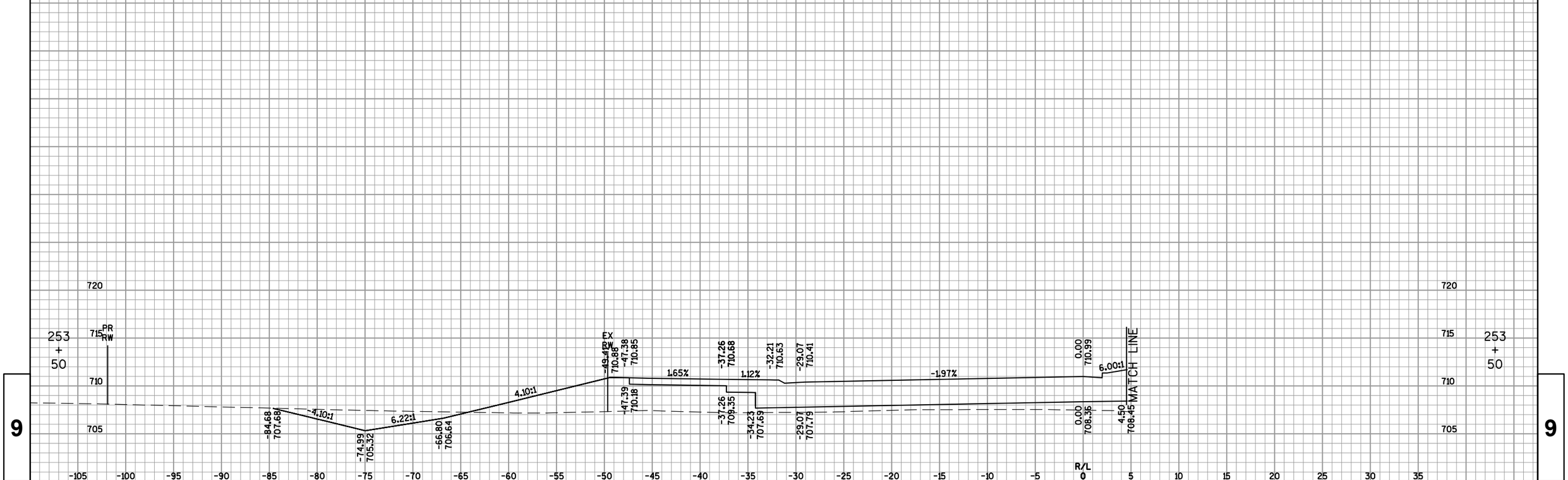
PLOT DATE : 5/8/2017 2:19 PM
PLOT BY : OMNNI ASSOCIATES, INC - CRAIG KNUTH
WISDOT/CADDS SHEET 49



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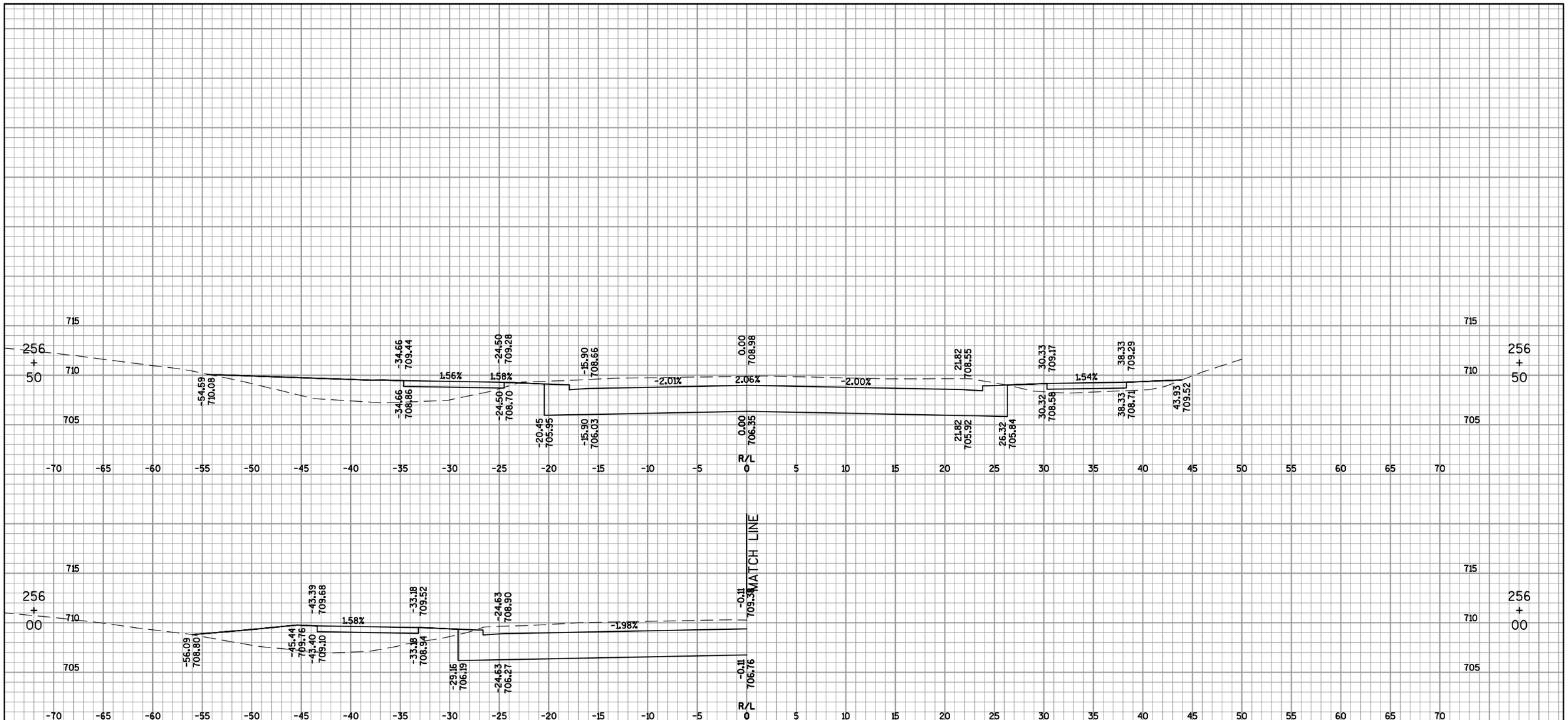
PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	CROSS SECTIONS: STH 55 (DELANGLADE ST) SOUTHBOUND	SHEET 666	E

FILE NAME : F:\TR\JOBS\E1859A08\CIVIL 3D 2012\SHEETSPLAN\46500871_090200_XS-55B.DWG
46500871_090267_xs

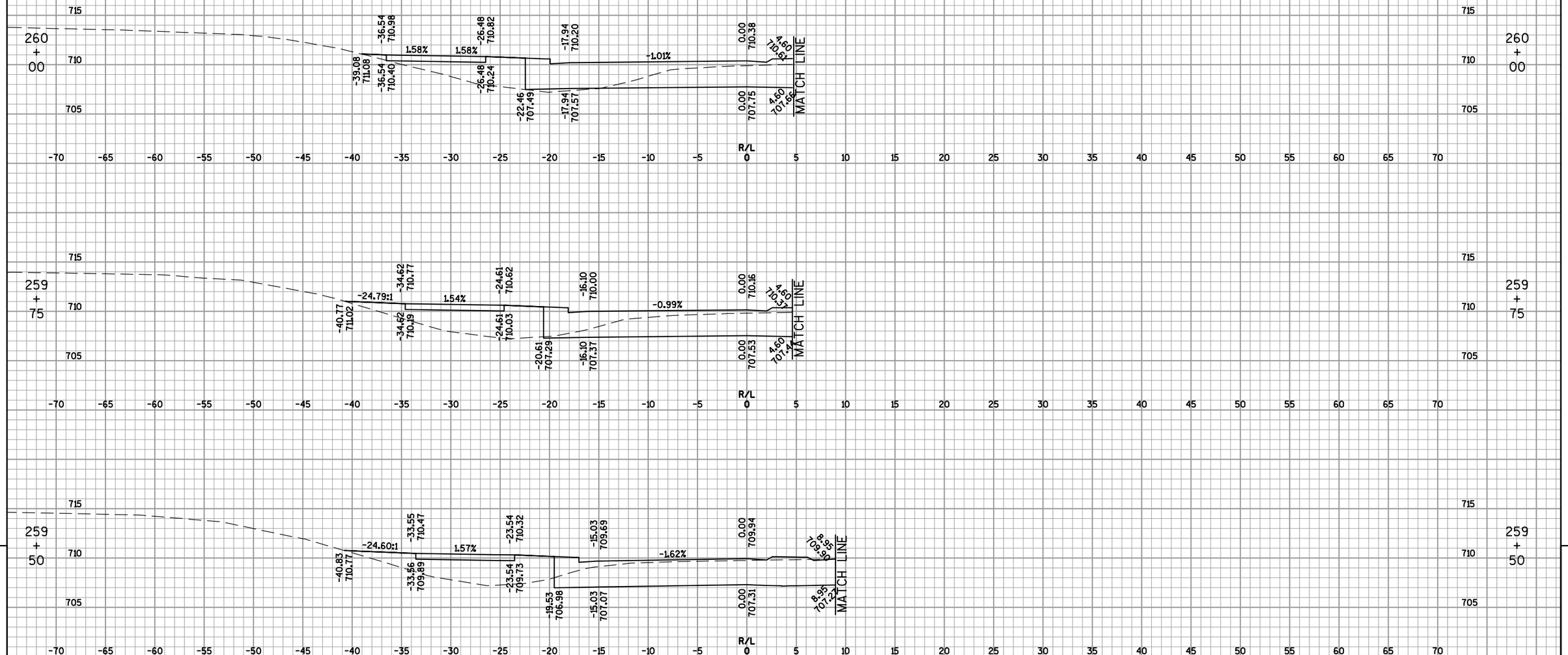
PLOT DATE : 5/8/2017 2:20 PM

PLOT BY : OMNNI ASSOCIATES, INC - CRAIG KNUTH

WISDOT/CADDS SHEET 49



PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	CROSS SECTIONS: STH 55 (DELANGLADE ST) SOUTHBOUND	SHEET 667	E



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PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	CROSS SECTIONS: STH 55 (DELANGLADE ST) SOUTHBOUND	SHEET 668	E

FILE NAME : F:\TR\JOBS\E1859A08\CIVIL 3D 2012\SHEETSPLAN\46500871_090200_XS-55B.DWG
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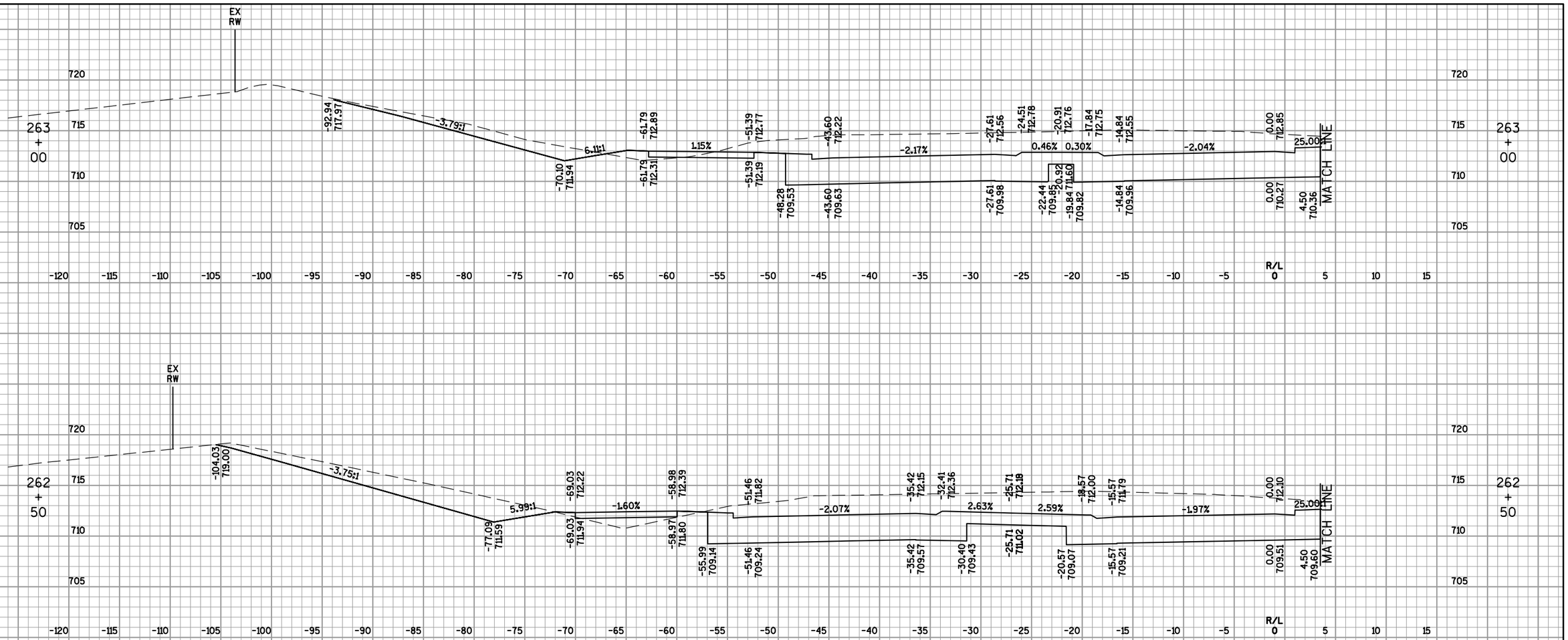
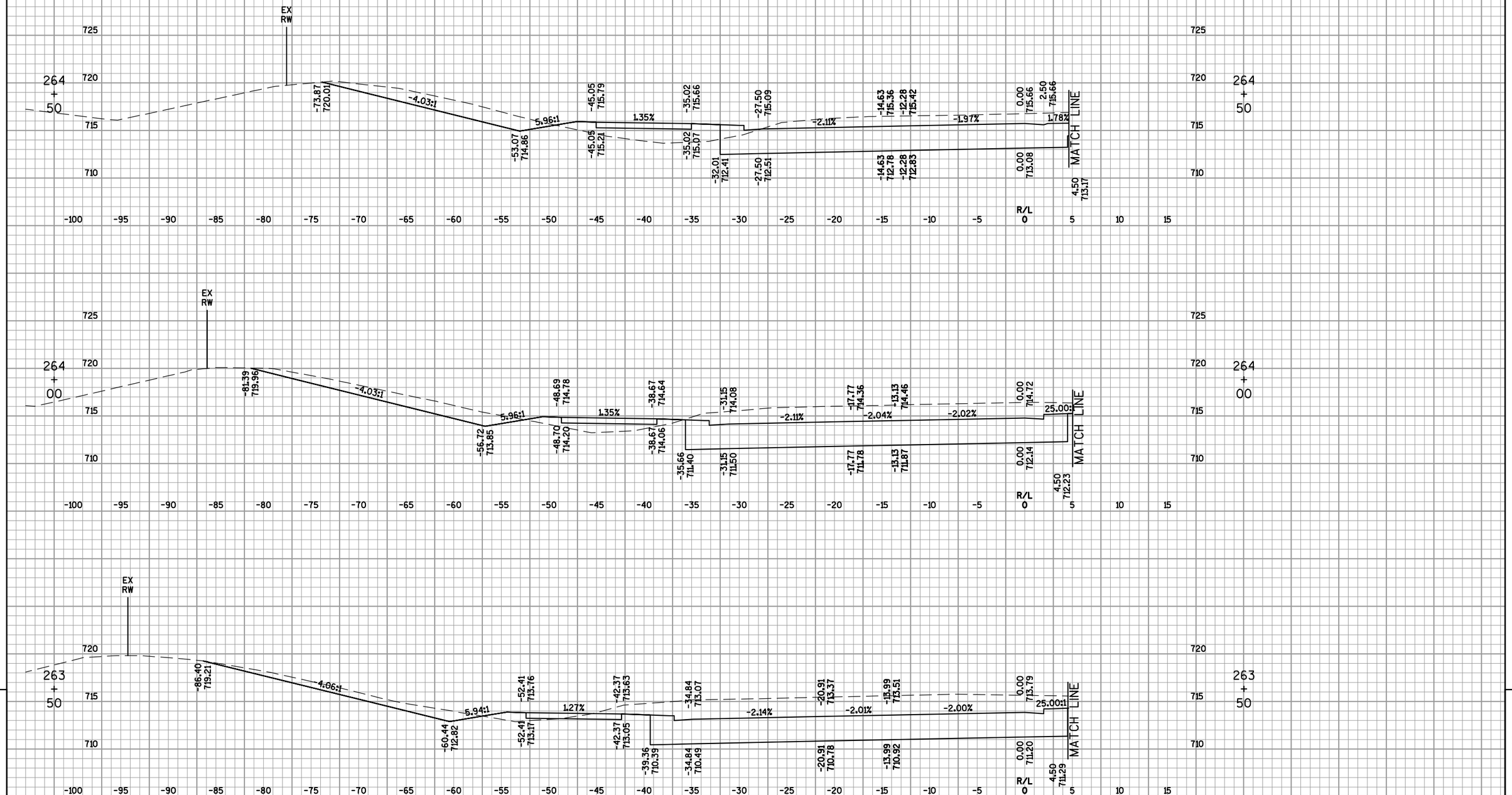
PLOT DATE : 5/8/2017 2:22 PM

PLOT BY : OMNNI ASSOCIATES, INC - CRAIG KNUTH


EX RW
263 + 00
720
715
710
705
-92.94 717.97
3.79:1
-70.10 711.94
6.11:1
-61.79 712.89
-61.79 712.31
1.15%
-51.39 712.77
-51.39 712.19
-43.60 712.22
-48.28 709.53
-43.60 709.63
-2.17%
-27.61 712.56
-27.61 709.98
-24.51 712.78
0.46%
-22.44 709.85
-20.91 712.76
-20.92 711.60
0.30%
-19.84 709.82
-17.84 712.75
-14.84 712.55
-14.84 709.96
-2.04%
0.00 712.85
0.00 710.27
25.00
4.50 710.36
MATCH LINE
263 + 00
-120 -115 -110 -105 -100 -95 -90 -85 -80 -75 -70 -65 -60 -55 -50 -45 -40 -35 -30 -25 -20 -15 -10 -5 R/L 0 5 10 15
EX RW
262 + 50
-104.03 719.00
3.75:1
-77.09 711.59
5.99:1
-69.03 712.22
-69.03 711.94
-1.60%
-58.98 712.39
-58.97 711.80
-55.99 709.14
-51.46 711.82
-51.46 709.24
-2.07%
-35.42 712.15
-35.42 709.57
-32.41 712.36
-30.40 709.43
2.63%
-25.71 712.18
-25.71 711.02
2.59%
-20.57 709.07
-18.57 712.00
-15.57 711.79
-15.57 709.21
-1.97%
0.00 712.30
0.00 709.51
25.00
4.50 709.60
MATCH LINE
262 + 50
EX RW
262 + 00
-105.36 718.52
3.60:1
-76.38 710.47
6.15:1
-68.28 711.53
-68.28 710.95
-1.31%
-58.16 711.66
-58.16 711.08
-55.17 708.81
-50.59 711.48
-50.59 708.89
-1.85%
-34.42 711.78
-34.42 709.19
-31.39 711.98
-29.37 709.04
1.70%
-25.72 711.88
-25.72 710.72
1.67%
-20.97 708.84
-18.97 711.77
-18.97 710.60
-15.97 711.56
-15.97 708.98
-0.94%
0.00 711.71
0.00 709.13
4.50 709.22
MATCH LINE
262 + 00



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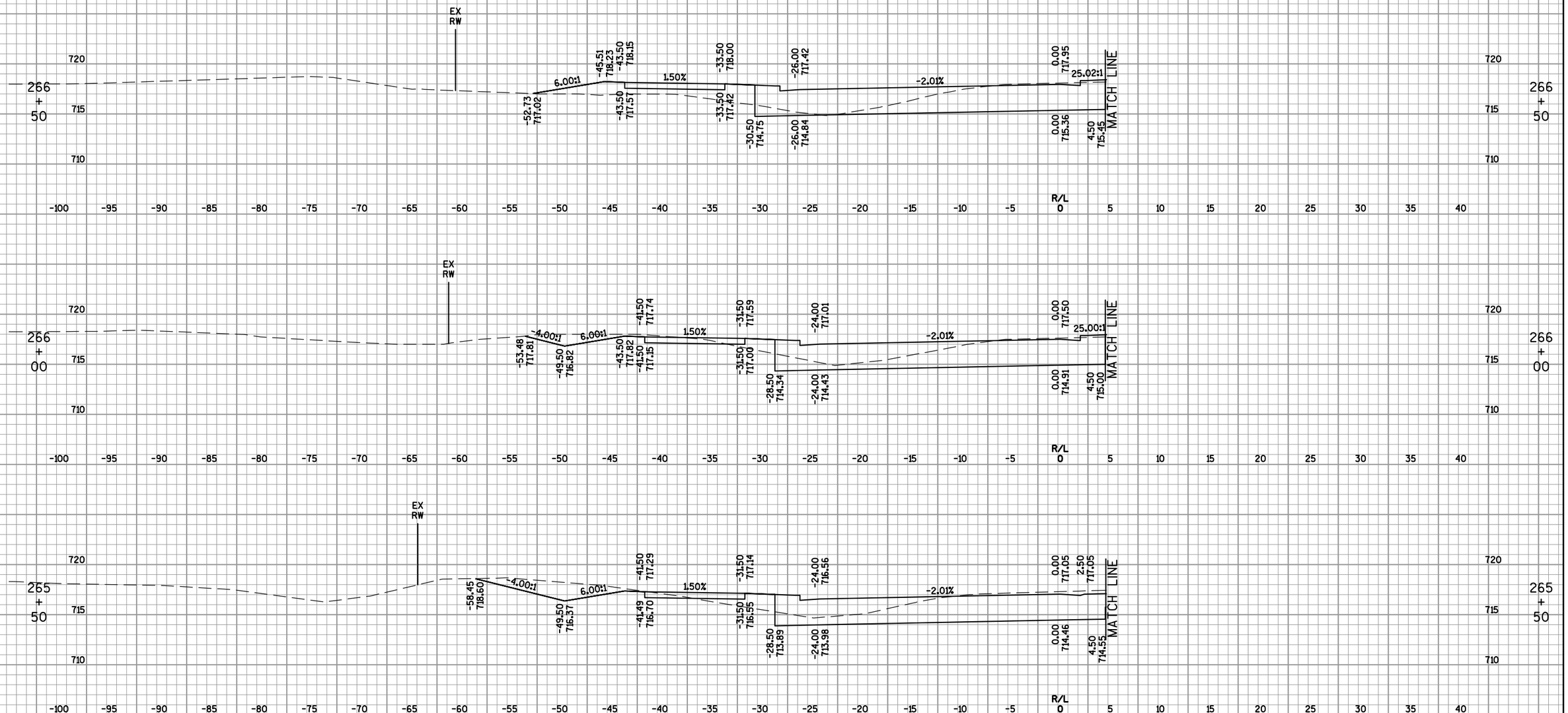
PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	CROSS SECTIONS: STH 55 (DELANGLADE ST) SOUTHBOUND	SHEET 670	E

FILE NAME : F:\TR\JOBS\E1859A08\CIVIL 3D 2012\SHEETSPLAN\46500871_090200_XS-55B.DWG
46500871_090272_xs

PLOT DATE : 5/8/2017 2:24 PM PLOT BY : OMNNI ASSOCIATES, INC - CRAIG KNUTH

WISDOT/CADDS SHEET 49



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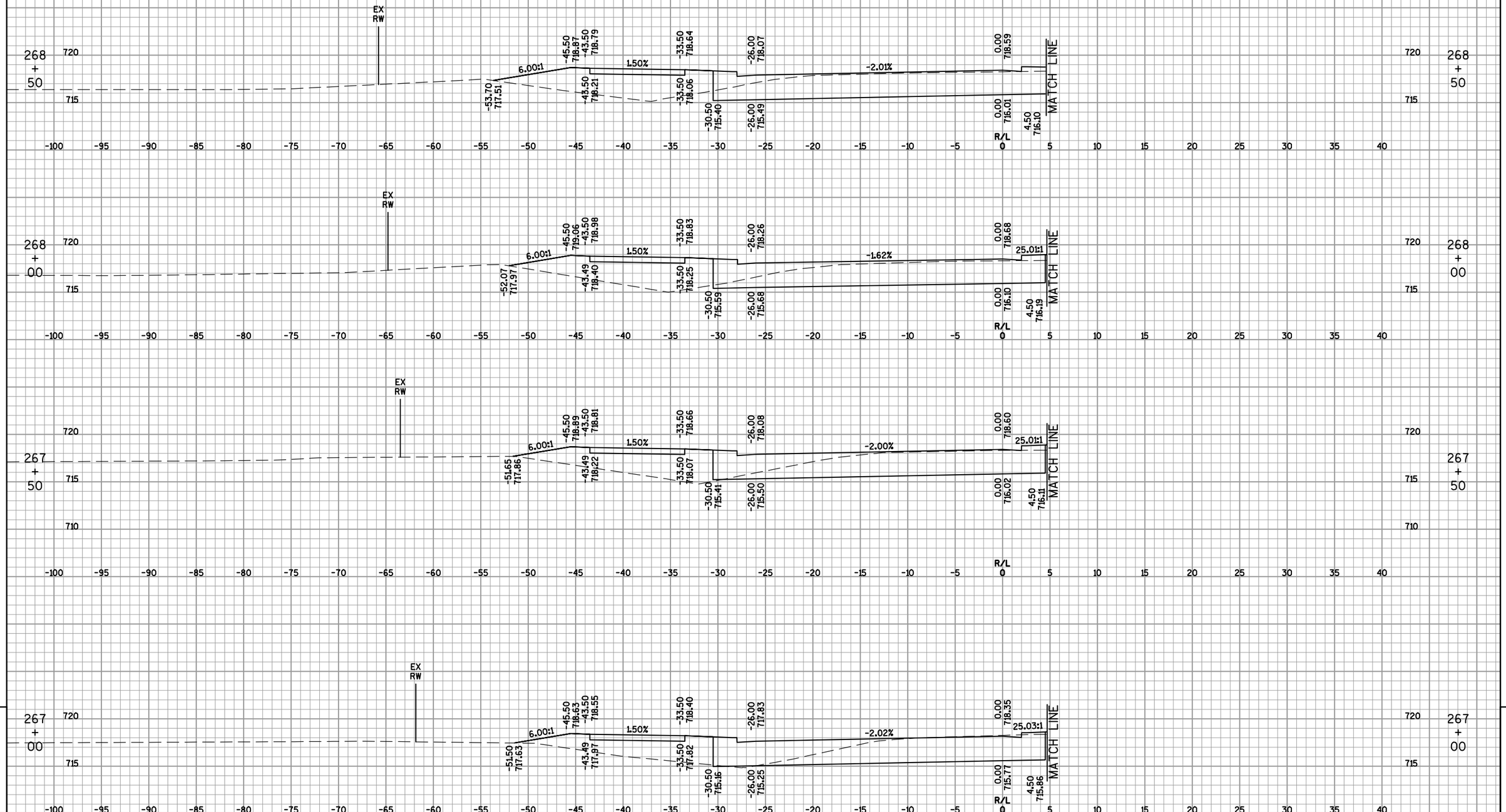
PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	CROSS SECTIONS: STH 55 (DELANGLADE ST) SOUTHBOUND	SHEET 671	E

FILE NAME : F:\TR\JOBS\E1859A08\CIVIL 3D 2012\SHEETSPLAN\46500871_090200_XS-55B.DWG
46500871_090273_xs

PLOT DATE : 5/8/2017 2:25 PM

PLOT BY : OMNNI ASSOCIATES, INC - CRAIG KNUTH

WISDOT/CADDS SHEET 49



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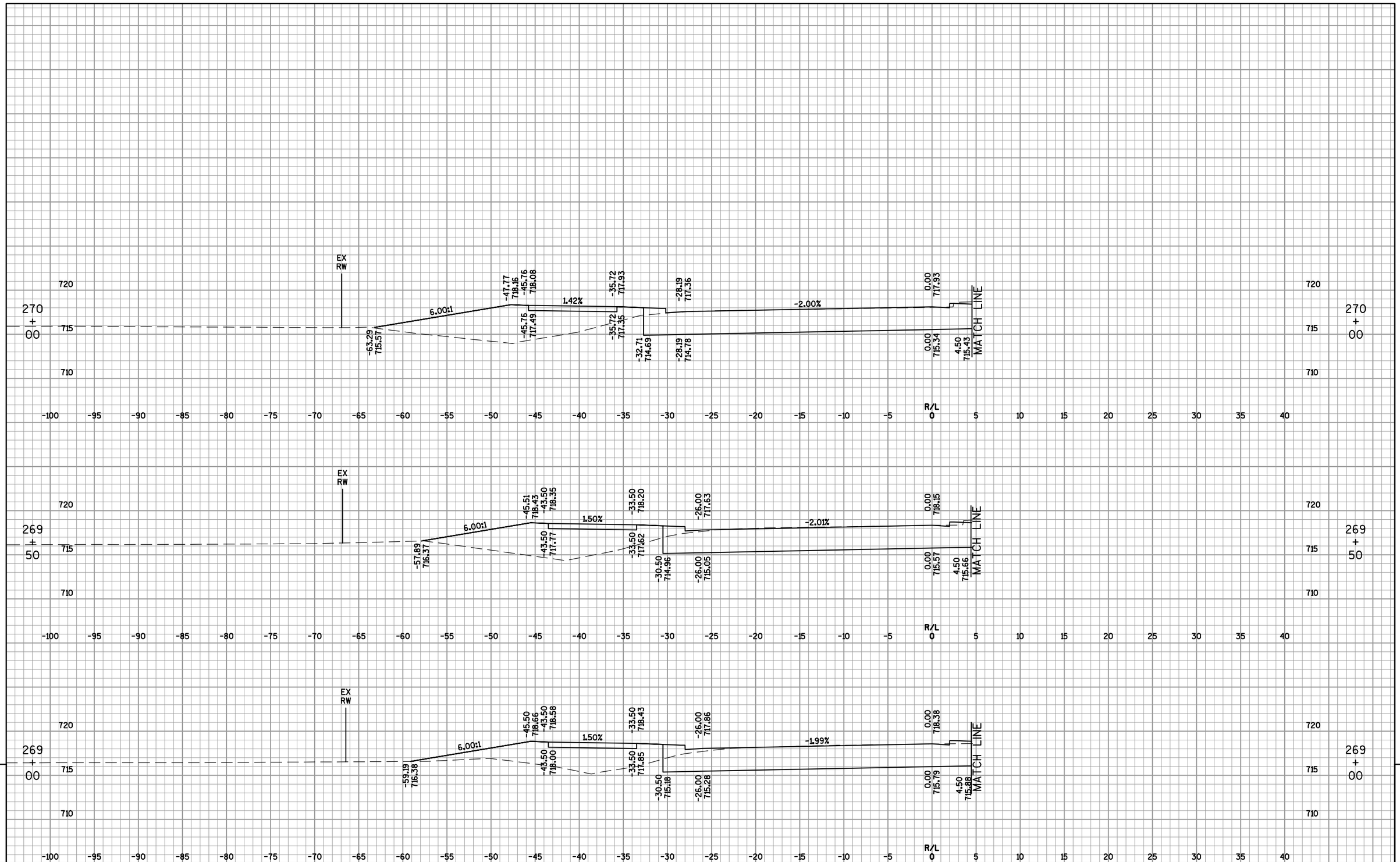
PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	CROSS SECTIONS: STH 55 (DELANGLADE ST) SOUTHBOUND	SHEET 672	E



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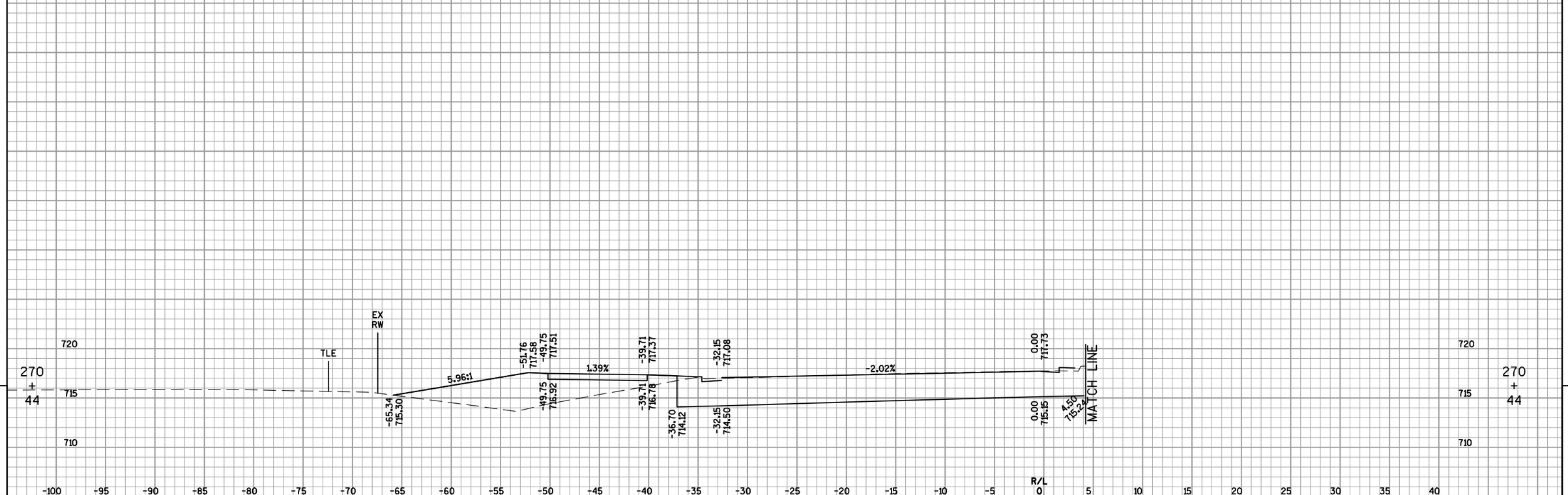
PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	CROSS SECTIONS: STH 55 (DELANGLADE ST) SOUTHBOUND	SHEET 673	E

FILE NAME : F:\TR\JOBS\E1859A08\CIVIL 3D 2012\SHEETSPLAN\46500871_090200_XS-55B.DWG
46500871_090275_xs

PLOT DATE : 5/8/2017 2:27 PM

PLOT BY : OMNNI ASSOCIATES, INC - CRAIG KNUTH

WISDOT/CADDS SHEET 49



PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	CROSS SECTIONS: STH 55 (DELANGLADE ST) SOUTHBOUND	SHEET 674	E

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PLOT DATE : 5/8/2017 2:28 PM

PLOT BY : OMNNI ASSOCIATES, INC - CRAIG KNUTH

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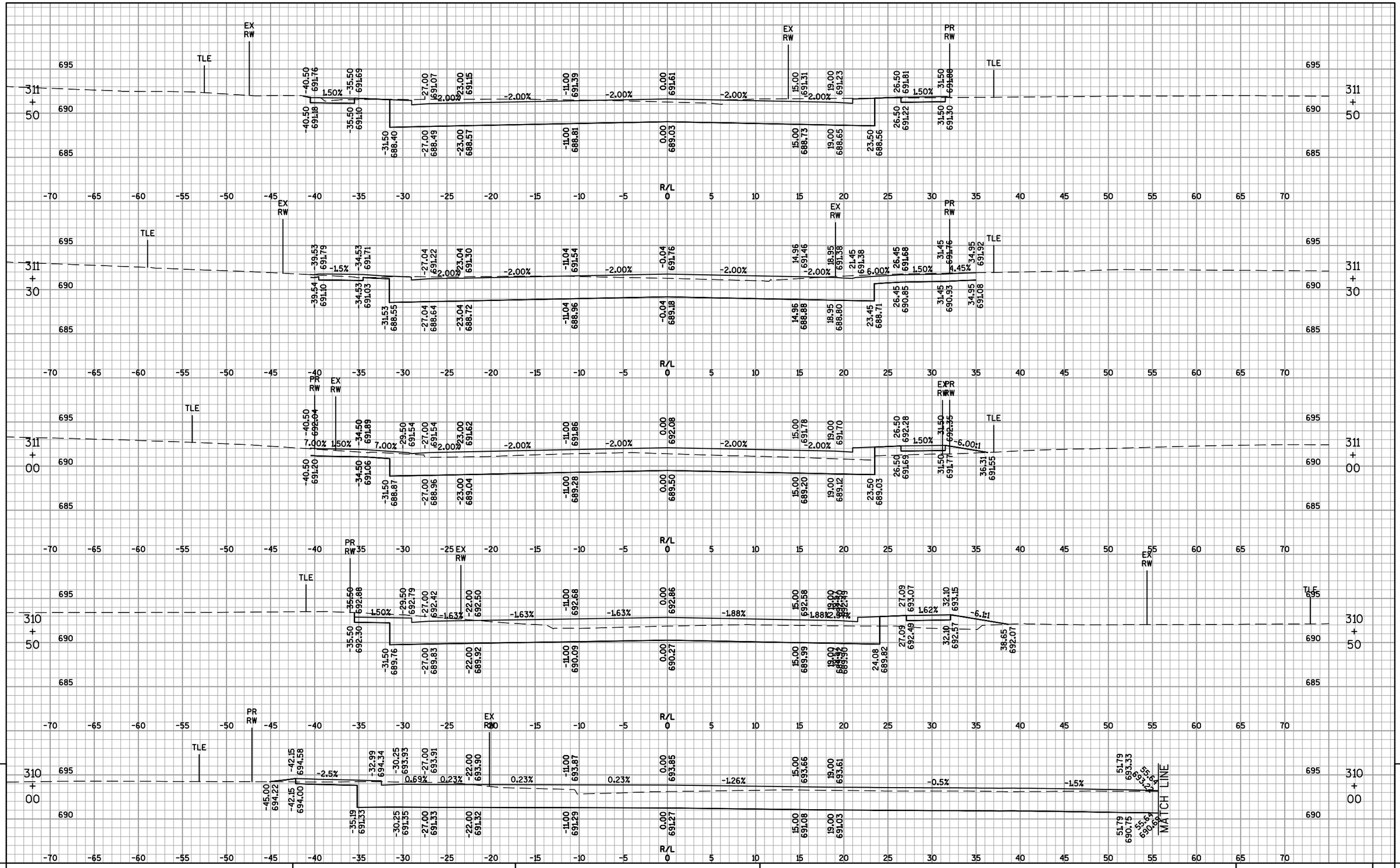

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PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	CROSS SECTIONS: STH 96 (PLANK ROAD)	SHEET 675	E

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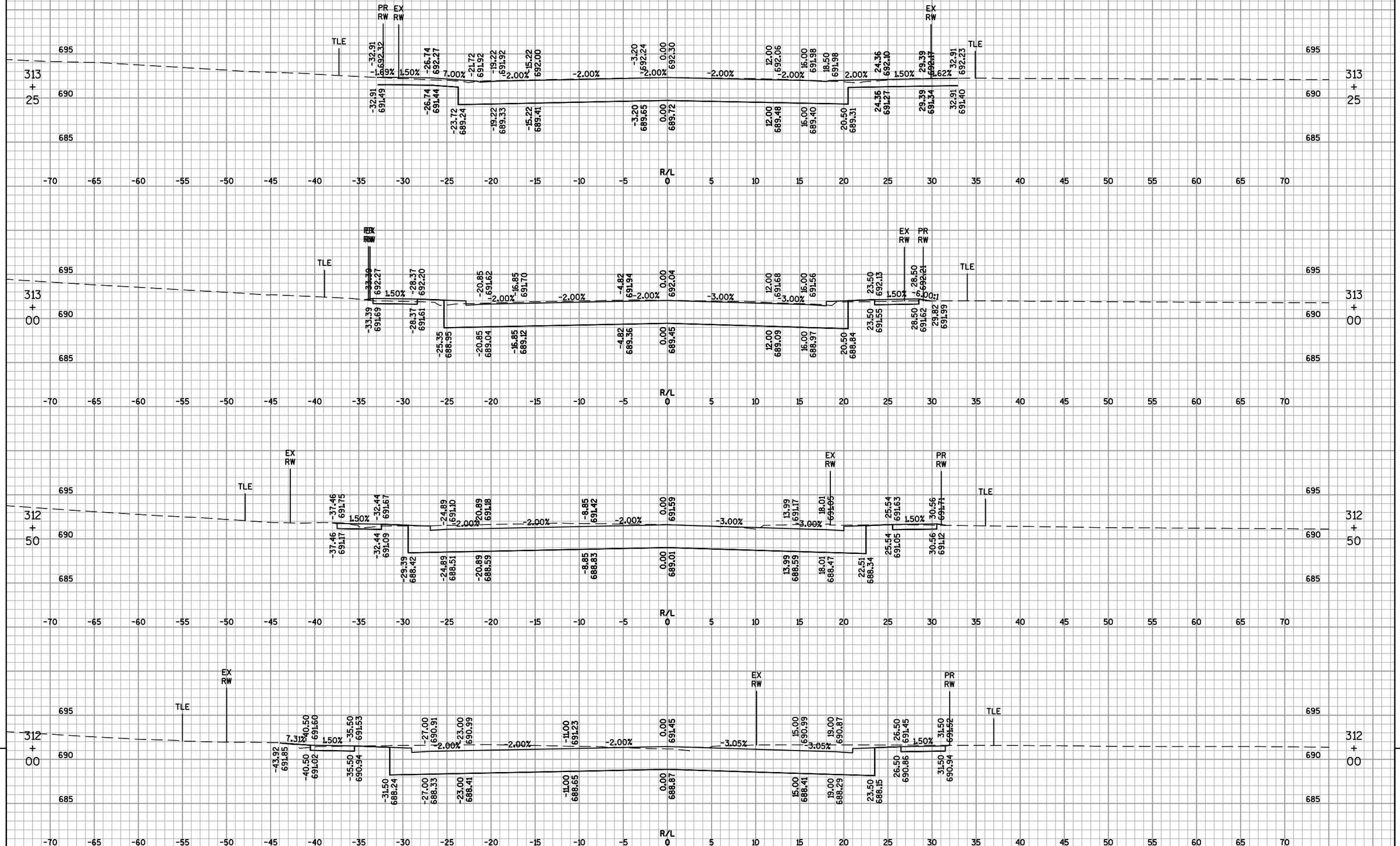
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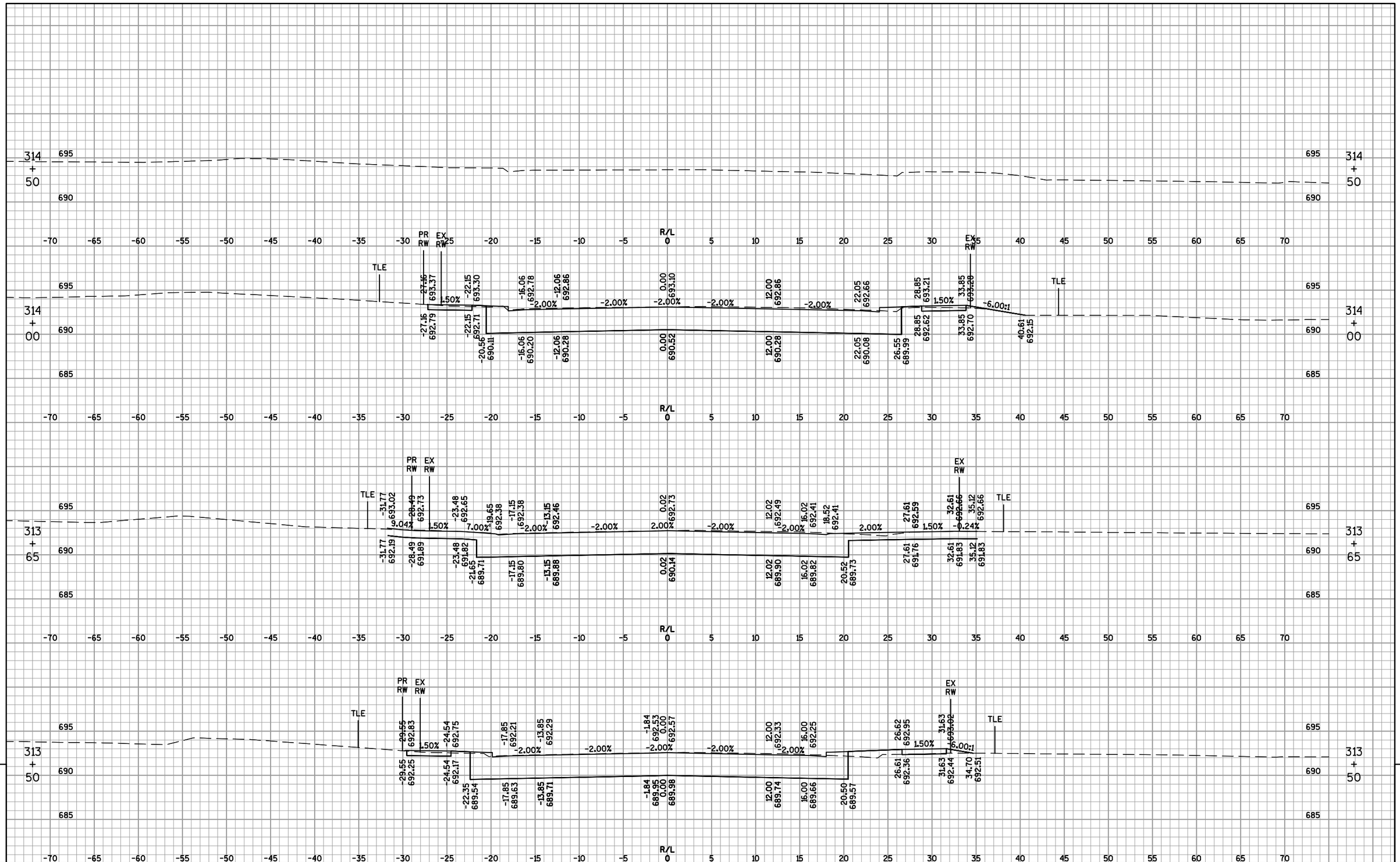

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PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	CROSS SECTIONS: STH 96 (PLANK ROAD)	SHEET 677	E

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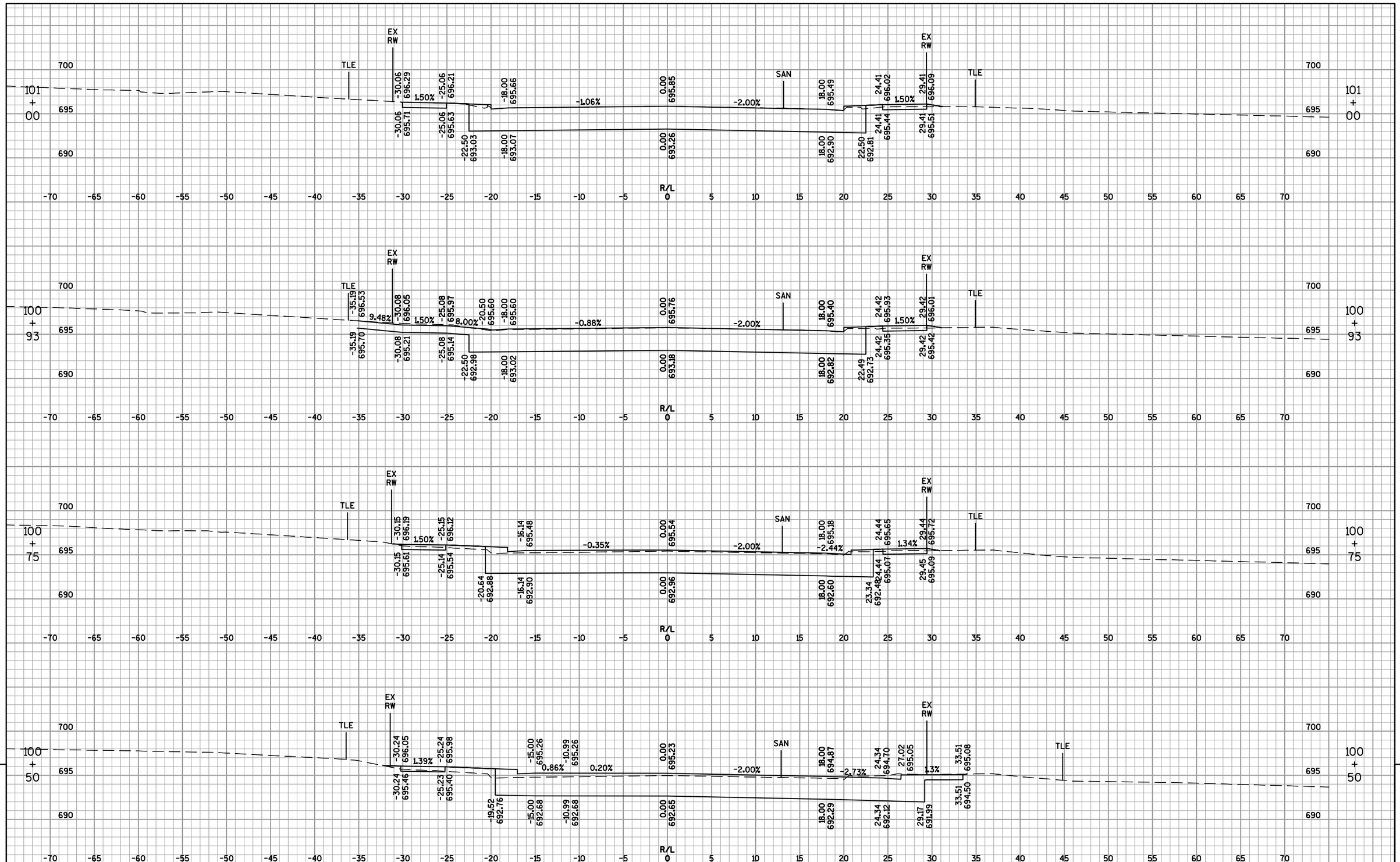

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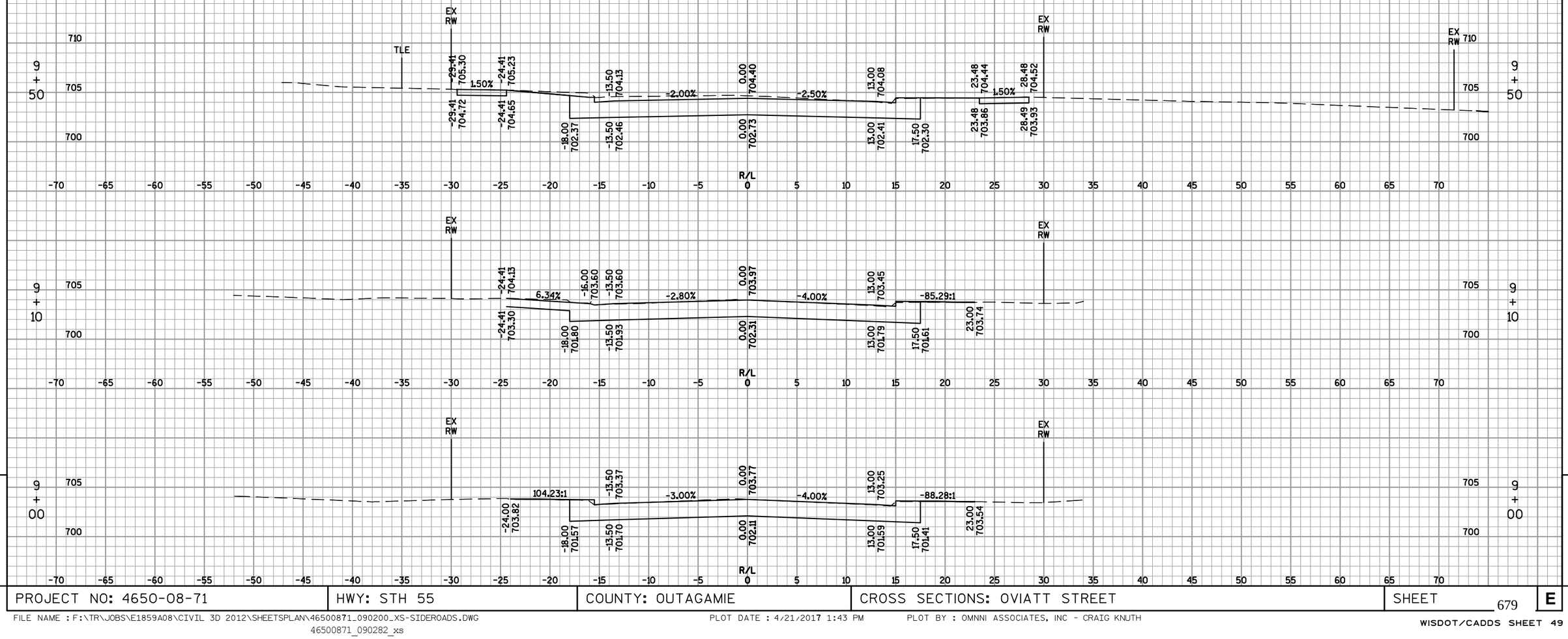
PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	CROSS SECTIONS: CTH J (LAWE STREET)	SHEET 678	E



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PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	CROSS SECTIONS: OVIATT STREET	SHEET 679	E

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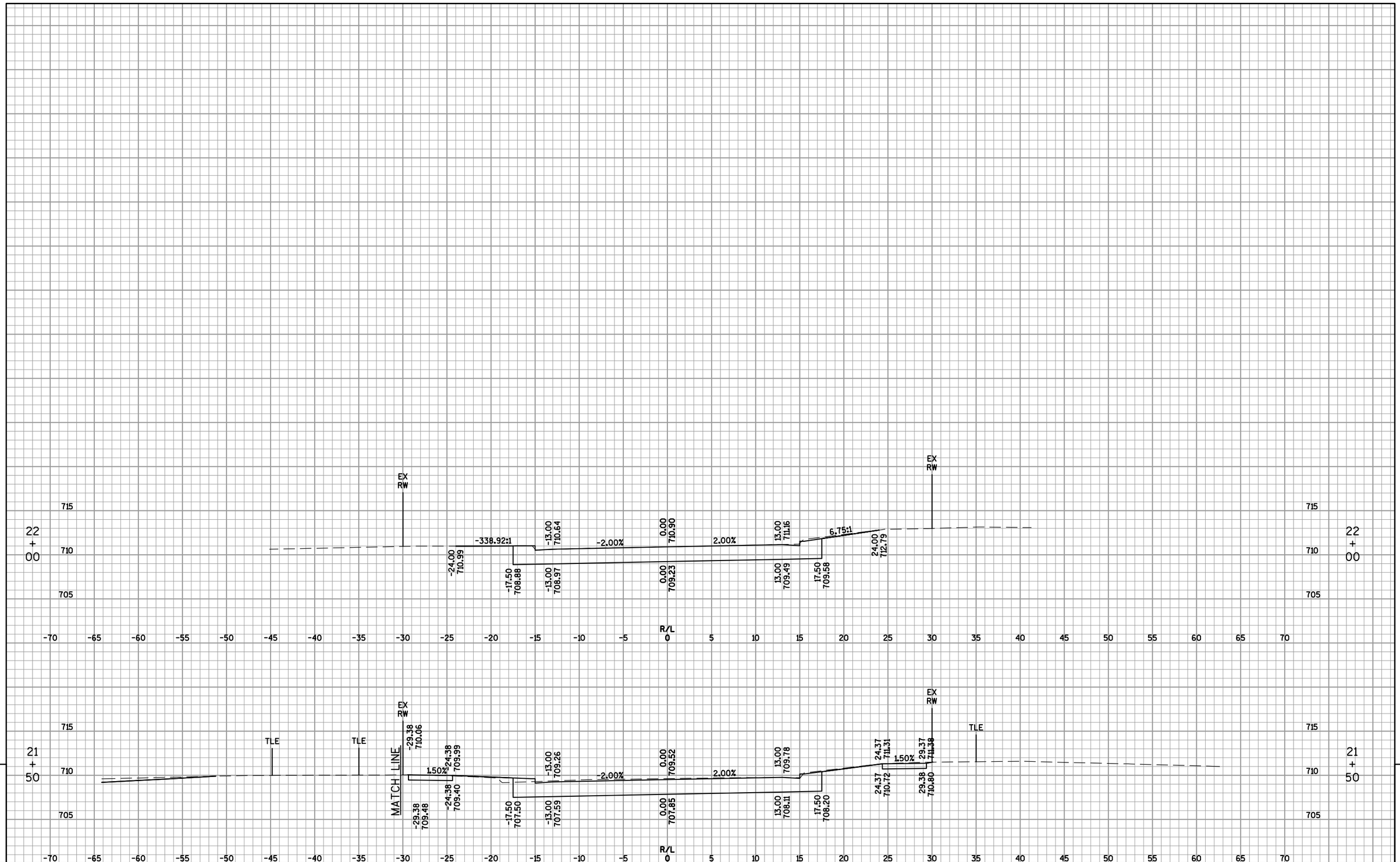
PLOT BY : OMNNI ASSOCIATES, INC - CRAIG KNUTH



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PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	CROSS SECTIONS: DESNOYER STREET	SHEET 680	E

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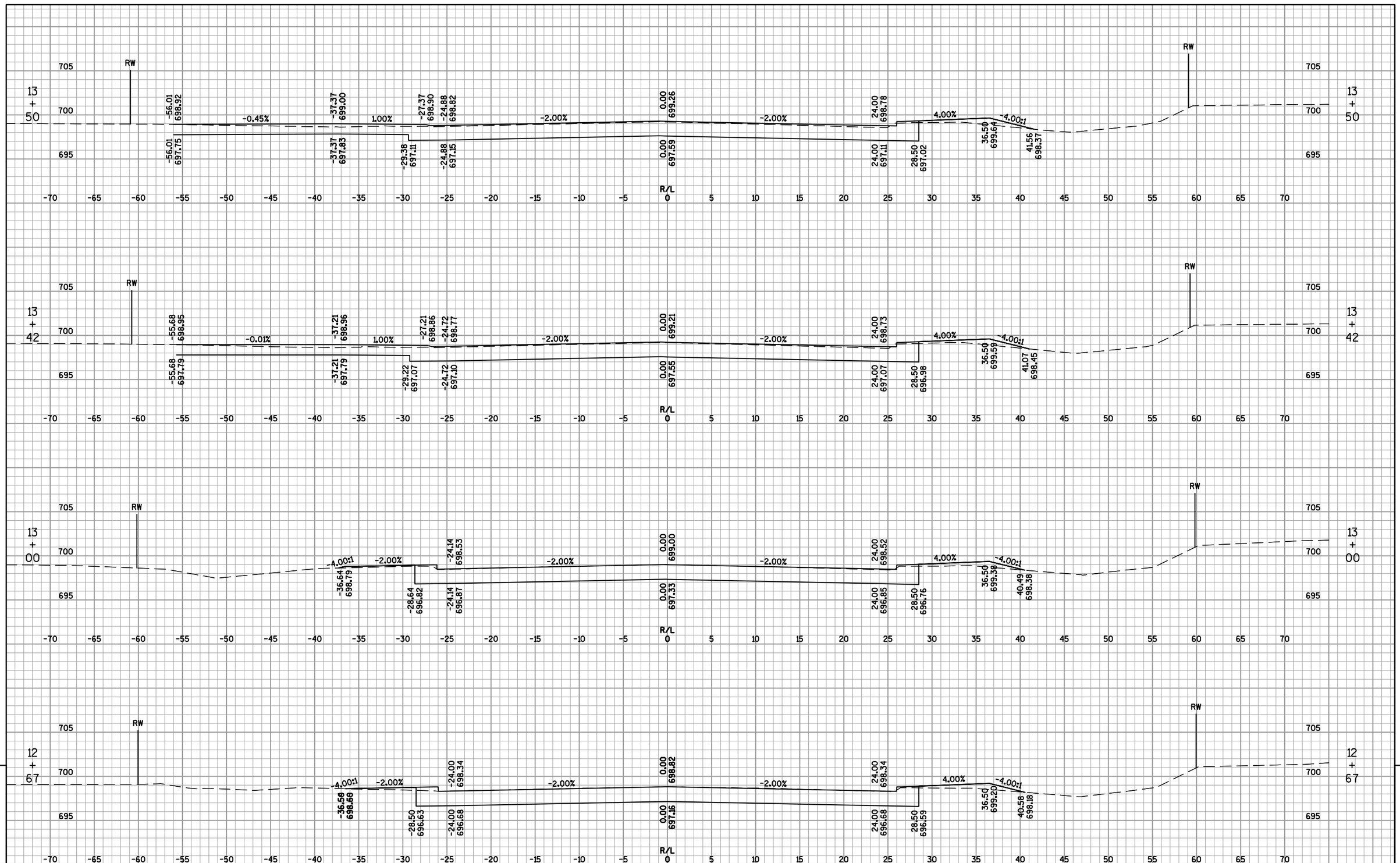
PLOT DATE : 4/21/2017 1:44 PM

PLOT BY : OMNNI ASSOCIATES, INC - CRAIG KNUTH



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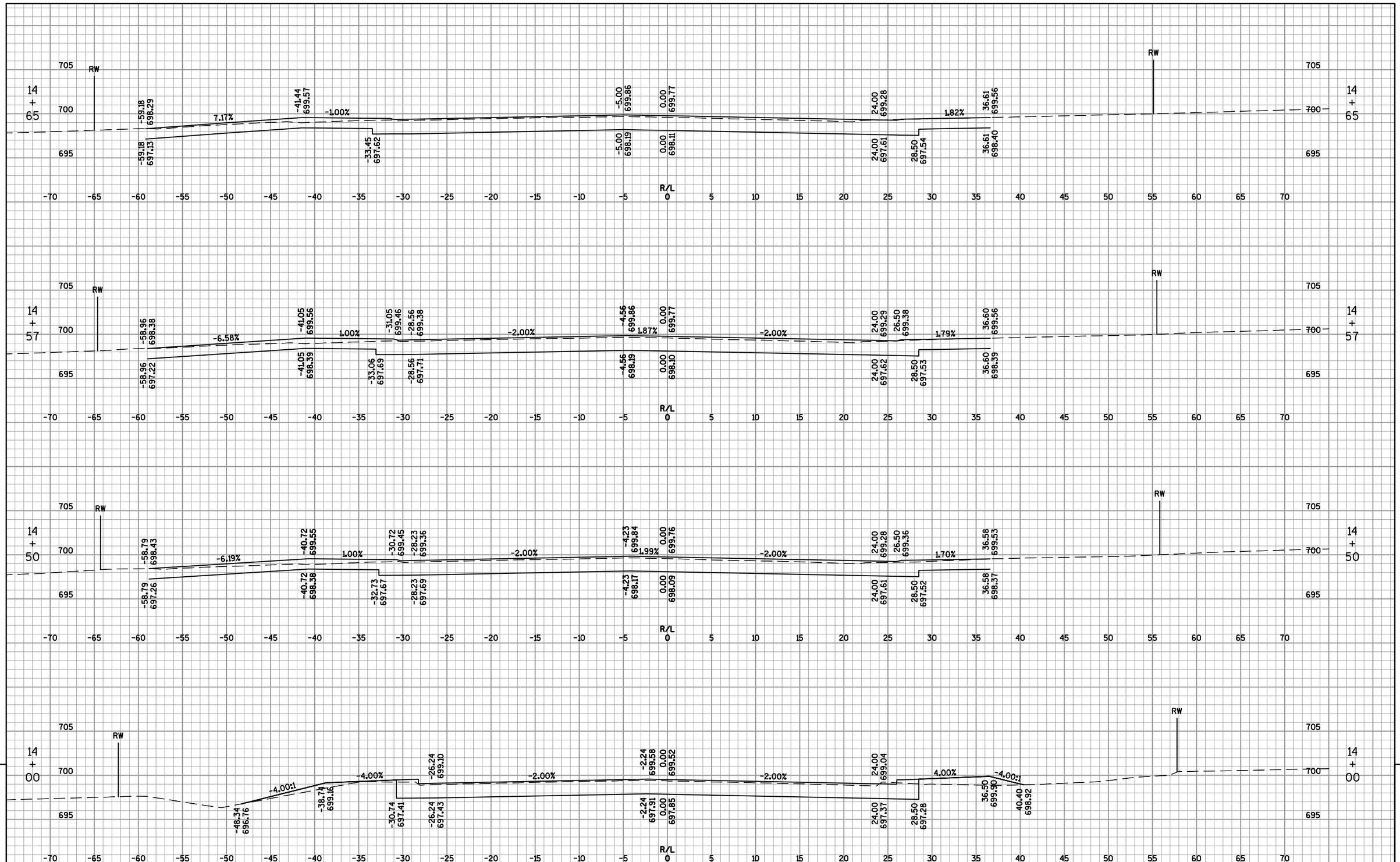
PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	CROSS SECTIONS: CTH OO (HYLAND AVENUE) EASTBOUND	SHEET 681	E



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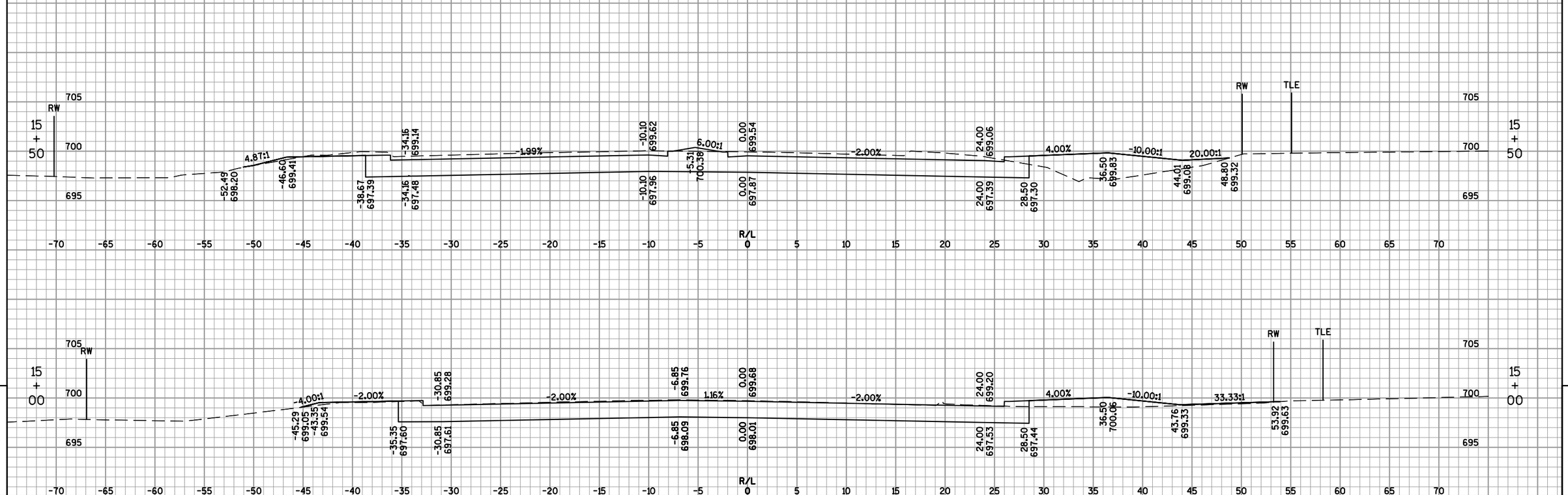

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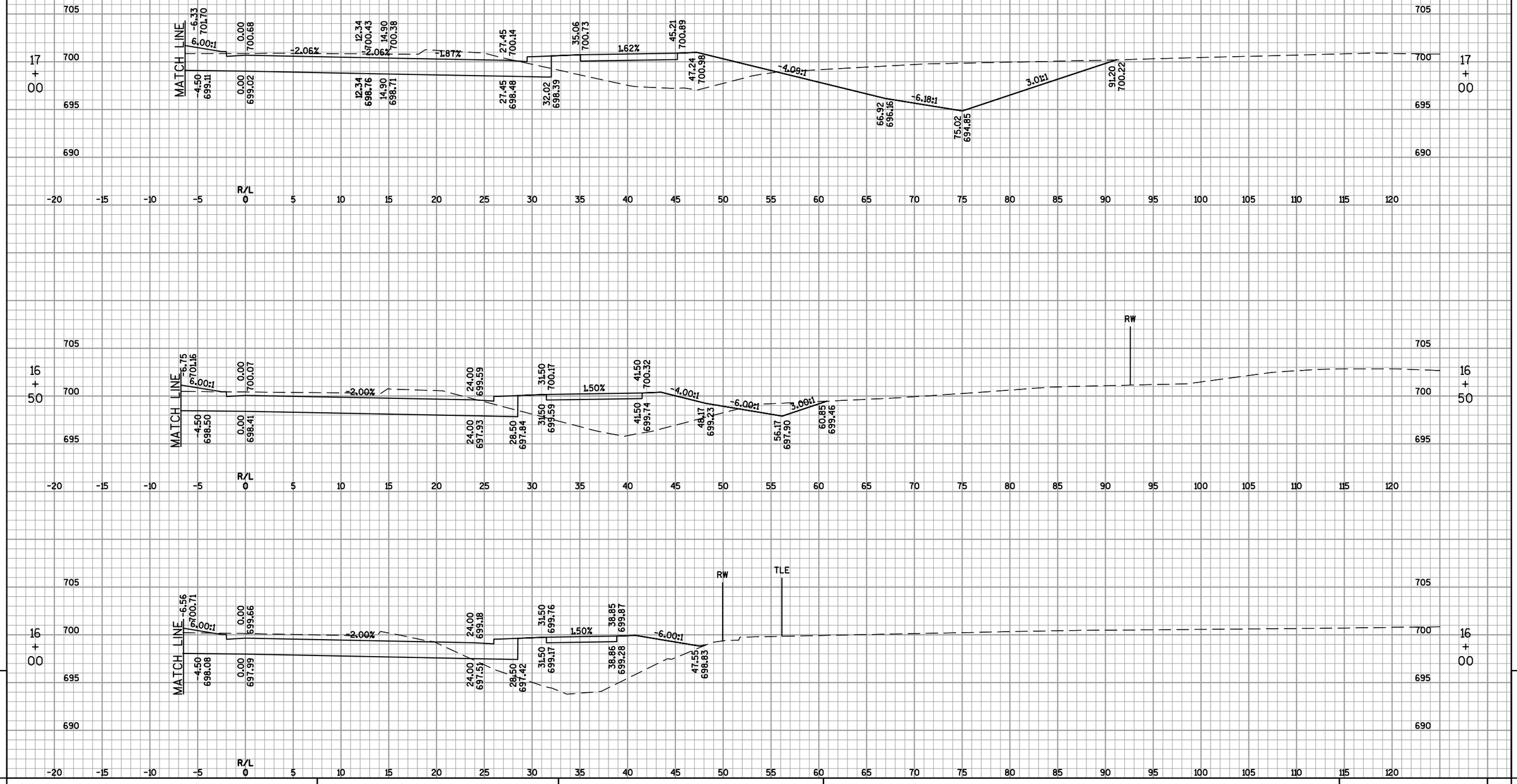

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PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	CROSS SECTIONS: CTH OO (HYLAND AVENUE) EASTBOUND	SHEET 684	E

FILE NAME : F:\TR\JOBS\E1859A08\CIVIL 3D 2012\SHEETSPLAN\46500871_090200_XS-SIDEROADS.DWG
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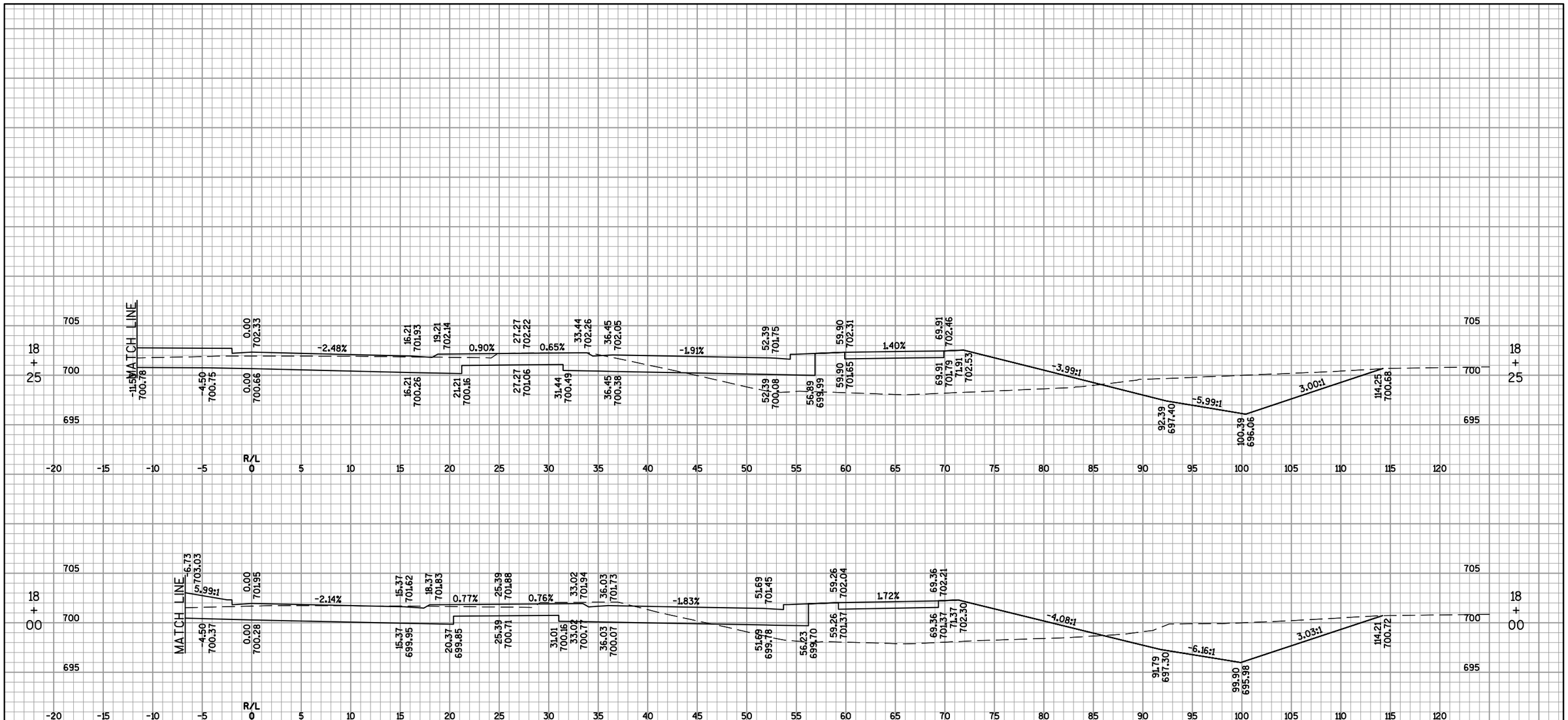
PLOT DATE : 5/23/2017 9:28 AM

PLOT BY : OMNNI ASSOCIATES, INC - CRAIG KNUTH

WISDOT/CADDS SHEET 49



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PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	CROSS SECTIONS: CTH OO (HYLAND AVENUE) EASTBOUND	SHEET 685	E

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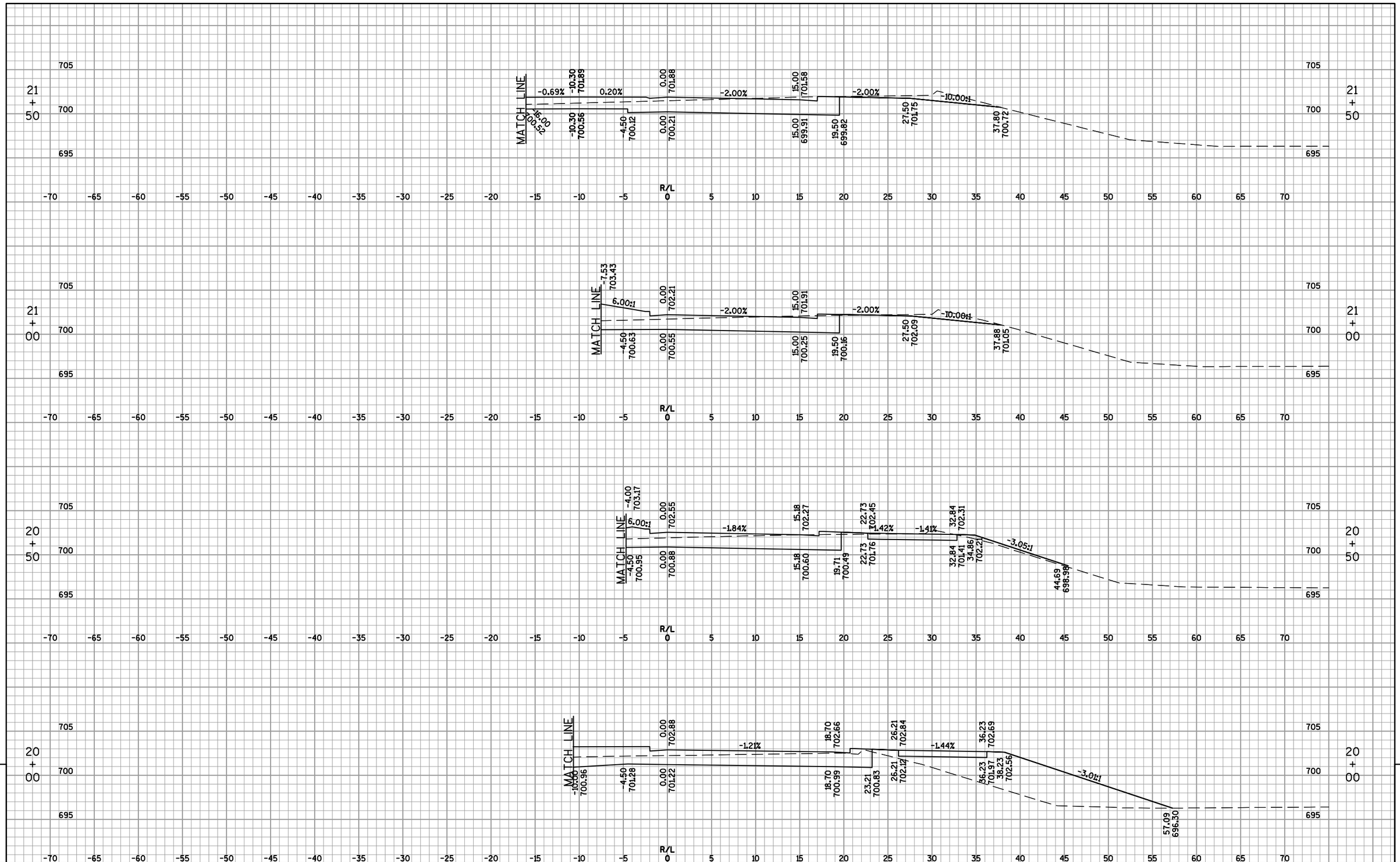
PLOT DATE : 5/24/2017 10:44 AM PLOT BY : OMNNI ASSOCIATES, INC - CRAIG KNUTH



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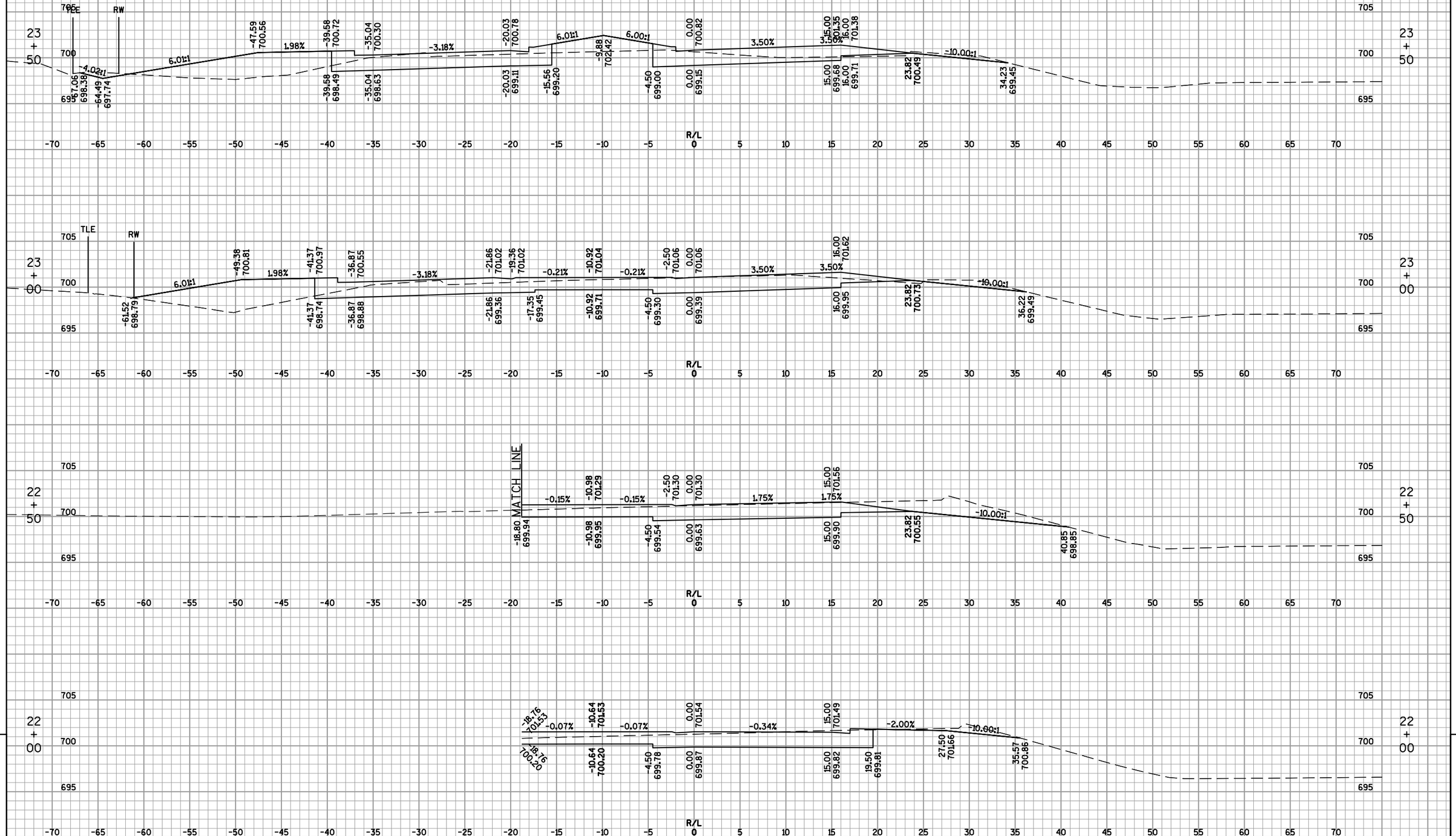

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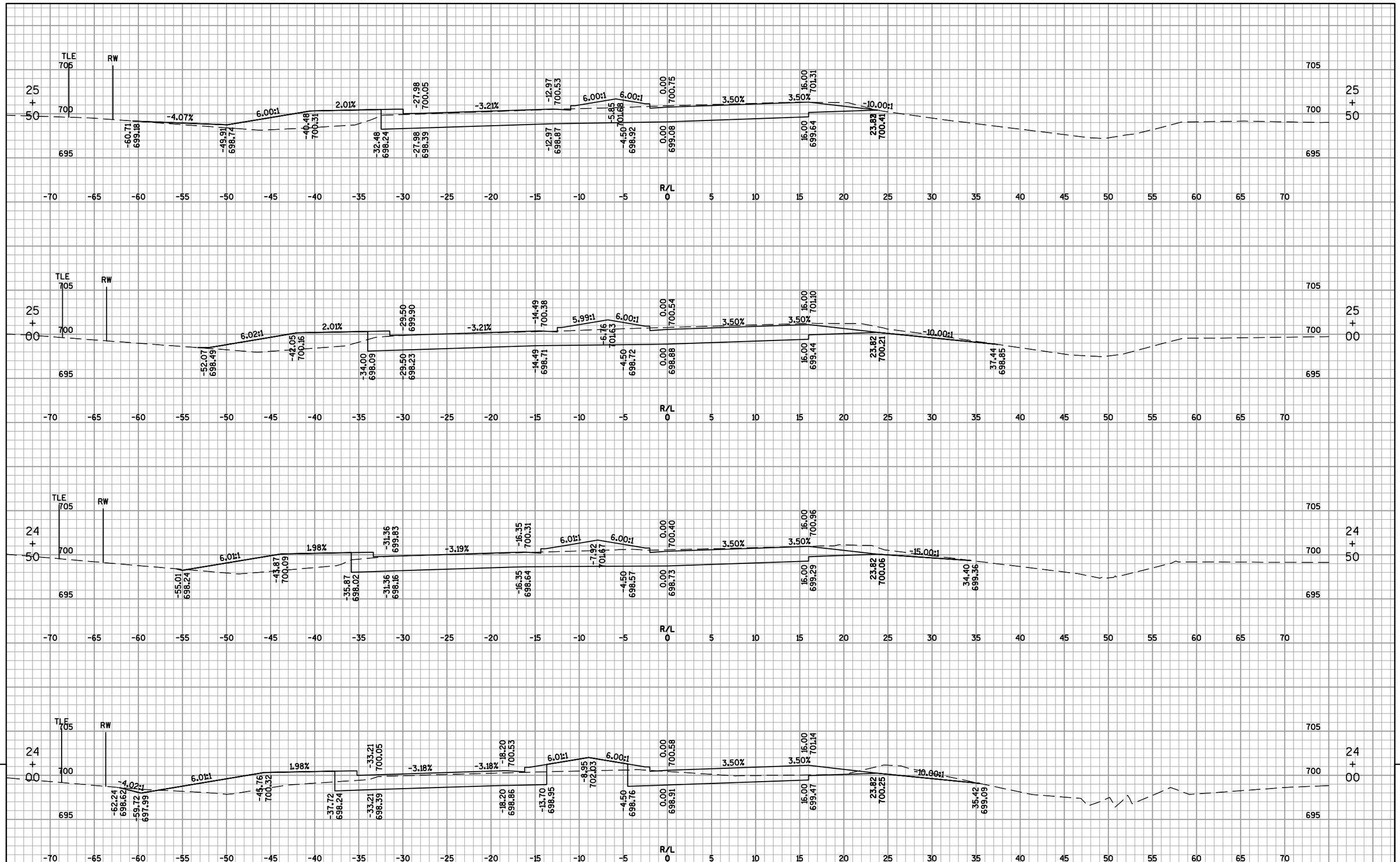

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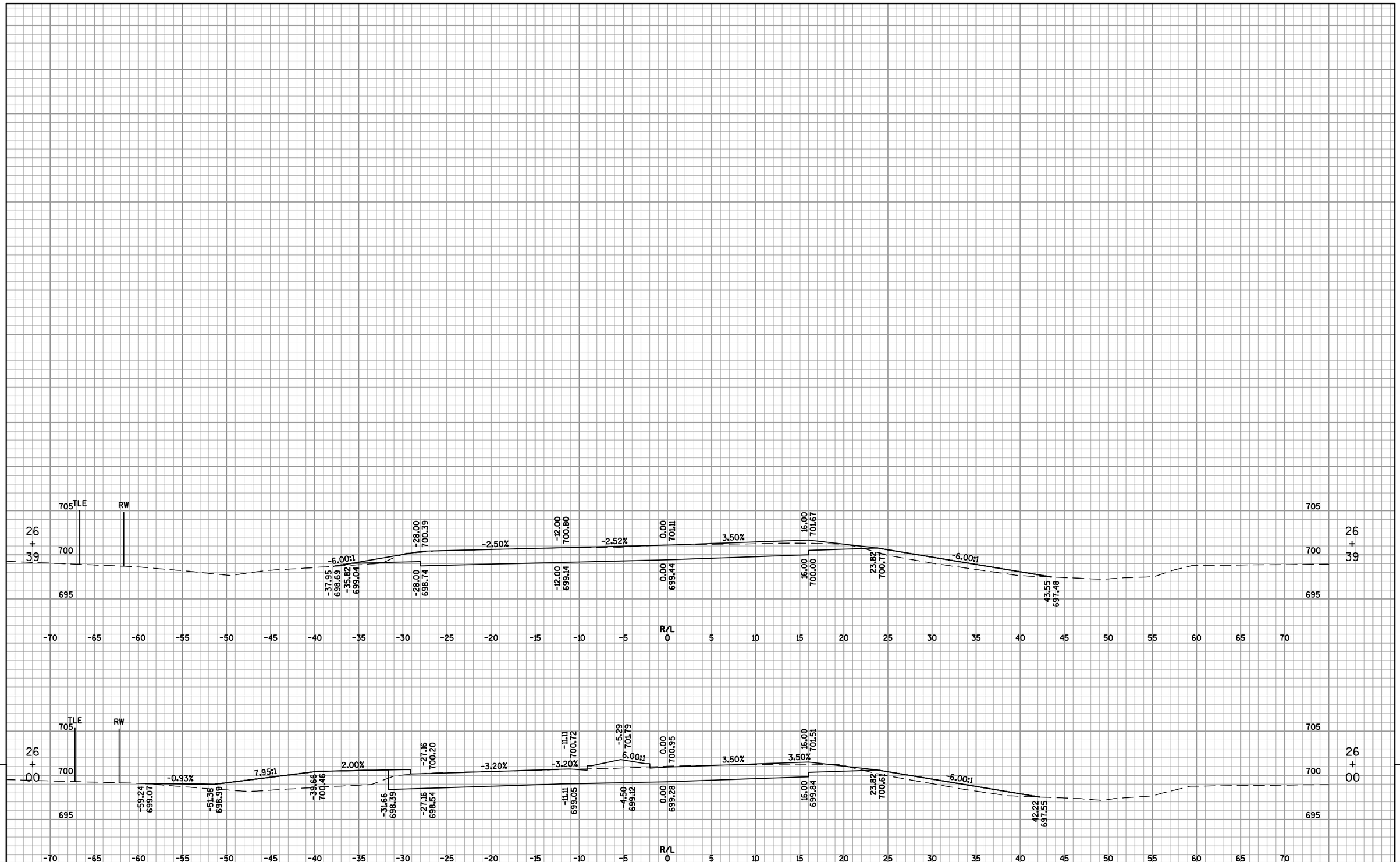

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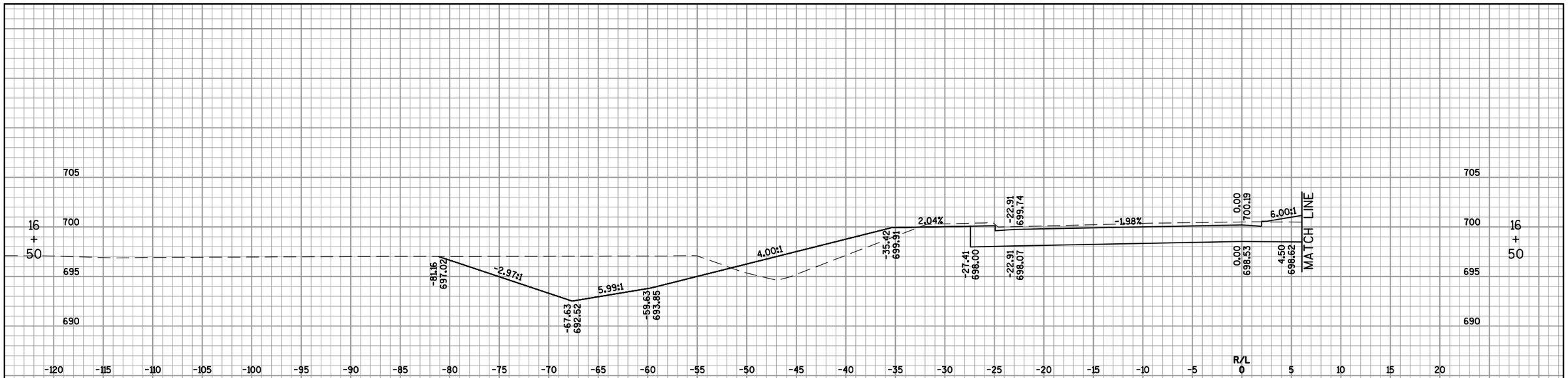
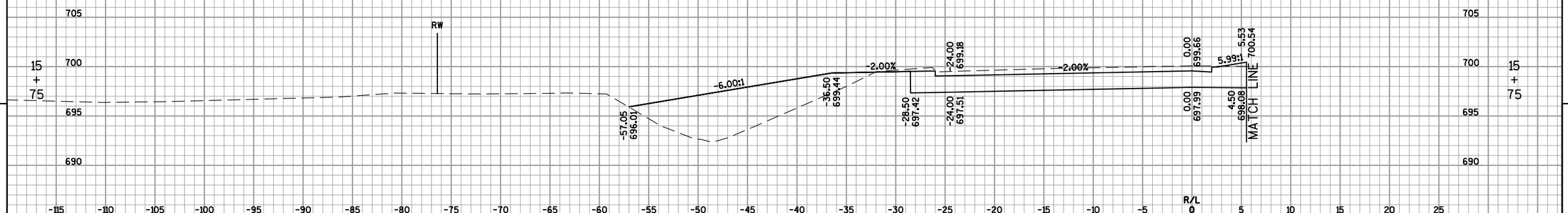
PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	CROSS SECTIONS: CTH OO (HYLAND AVENUE) EASTBOUND	SHEET 689	E





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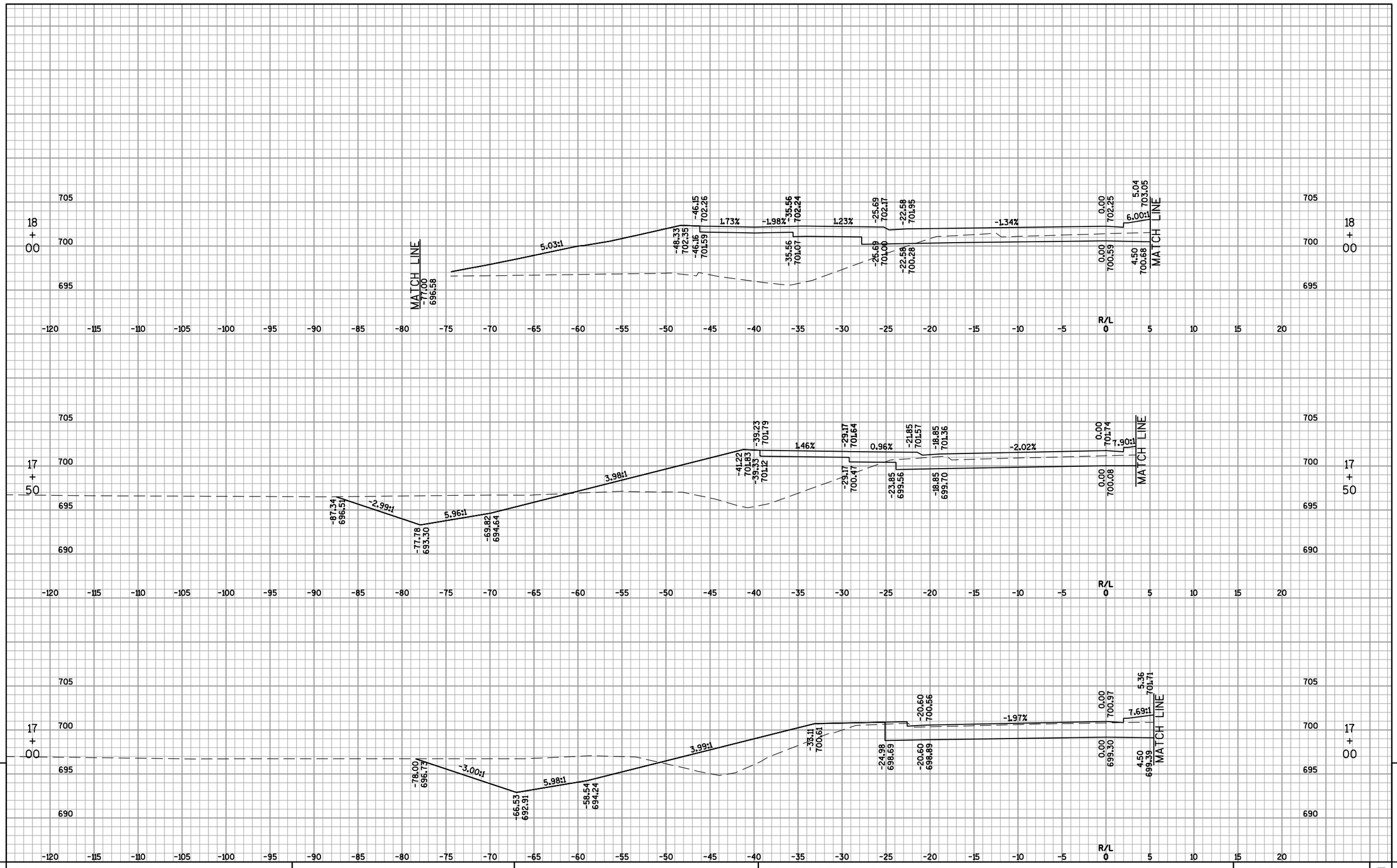
PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	CROSS SECTIONS: CTH OO (HYLAND AVENUE) WESTBOUND	SHEET 690	E



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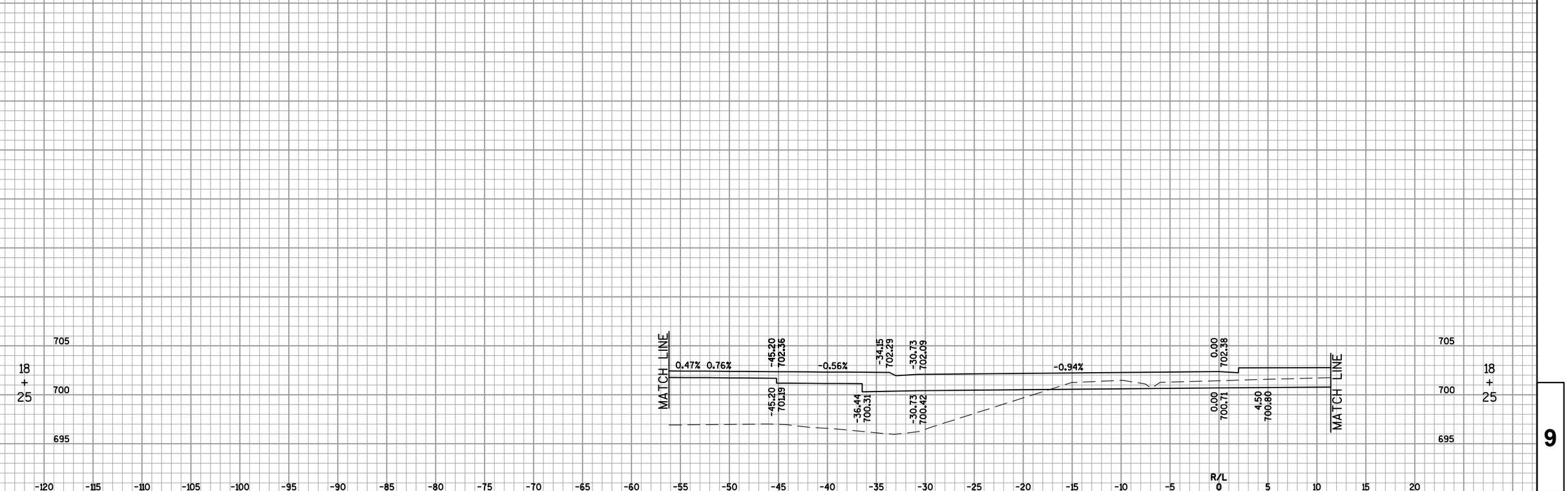
PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	CROSS SECTIONS: CTH OO (HYLAND AVENUE) WESTBOUND	SHEET 691	E



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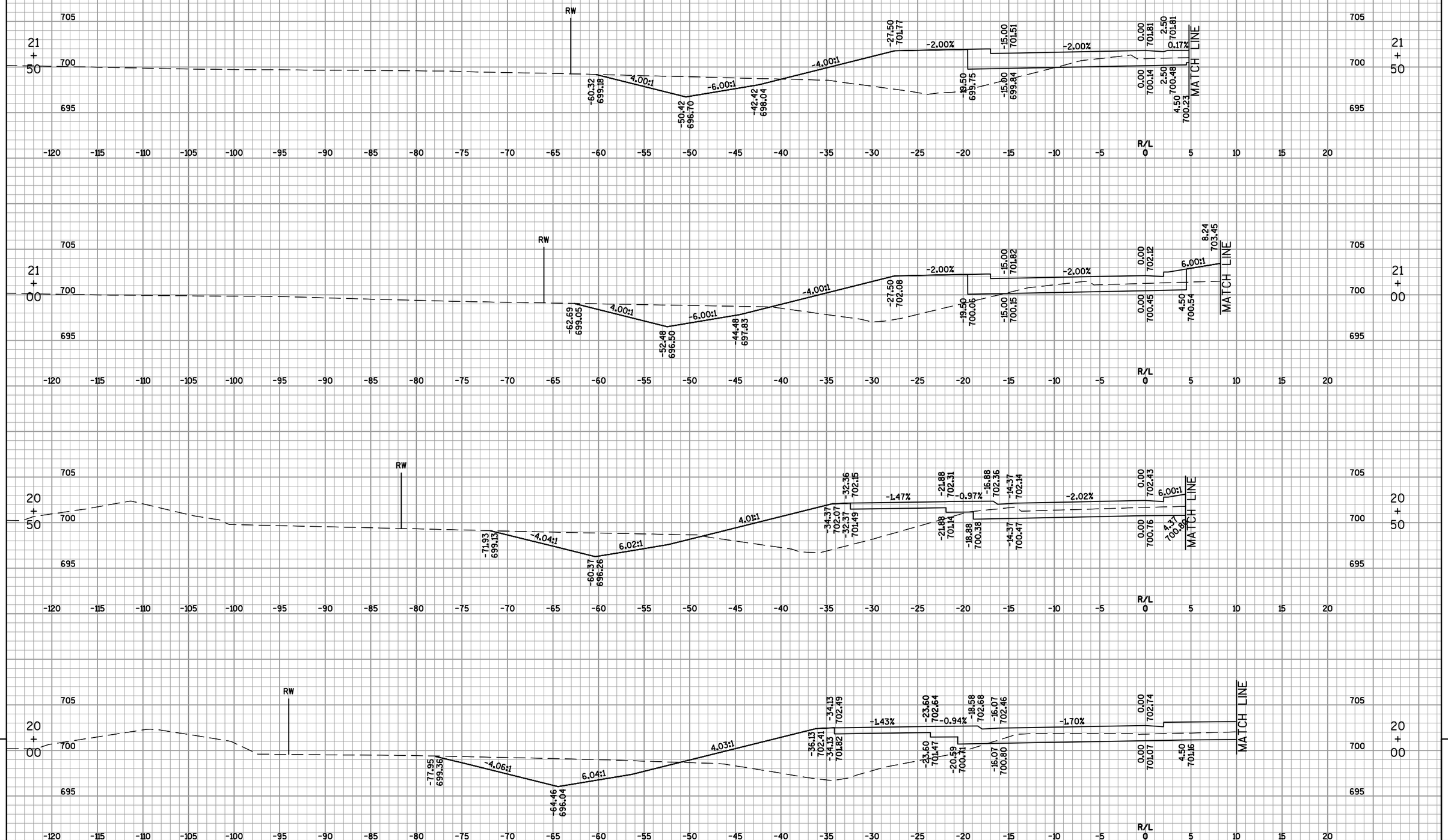
PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	CROSS SECTIONS: CTH OO (HYLAND AVENUE) WESTBOUND	SHEET 692	E



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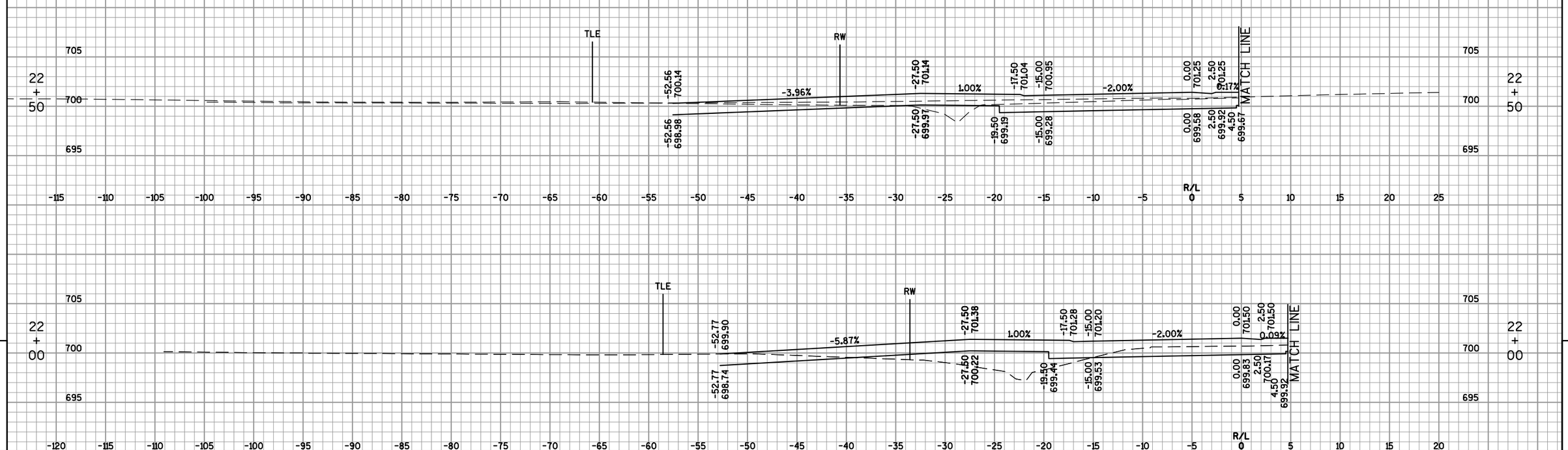

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PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	CROSS SECTIONS: CTH OO (HYLAND AVENUE) WESTBOUND	SHEET 694	E

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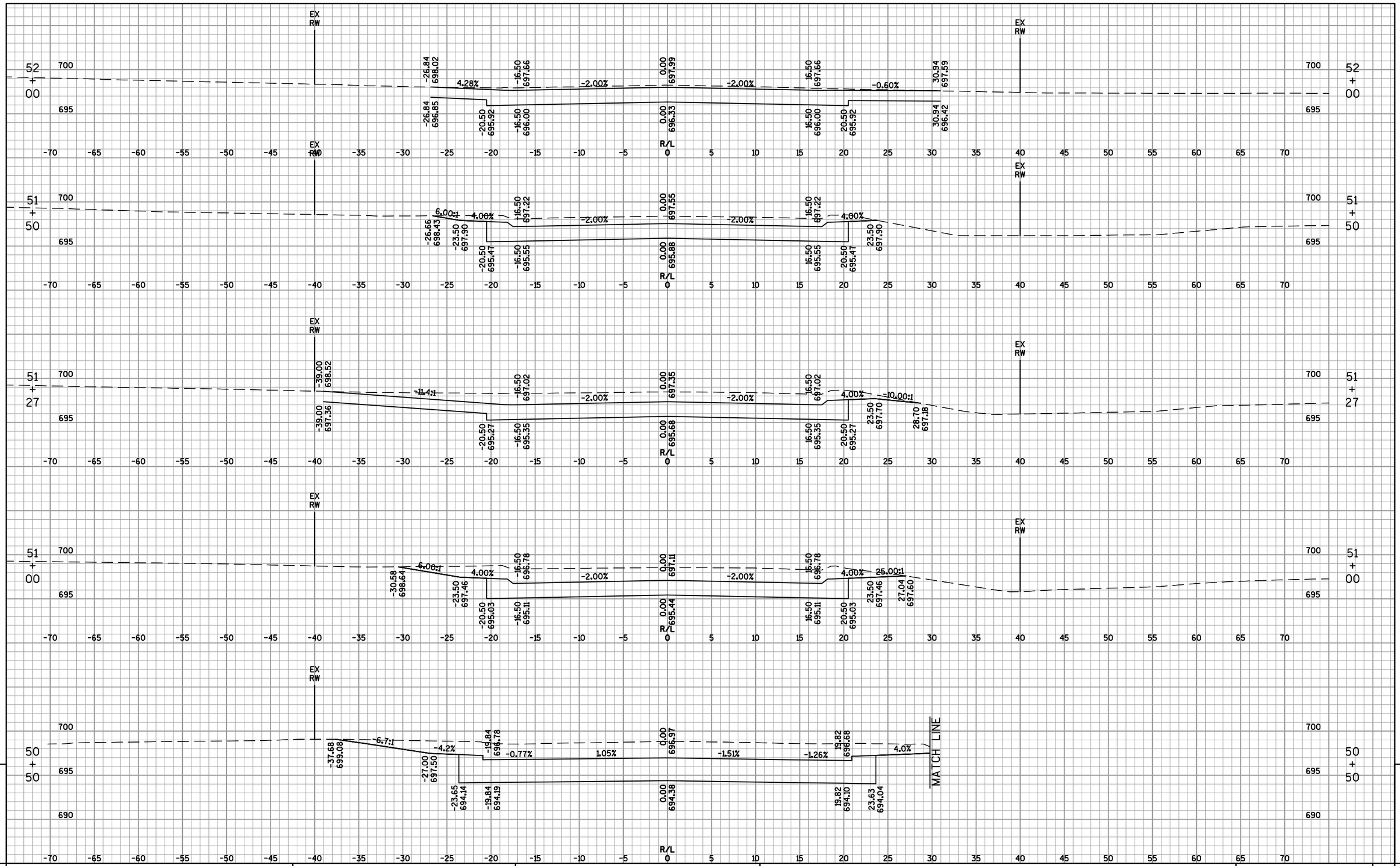
PLOT DATE : 5/23/2017 8:59 AM

PLOT BY : OMNNI ASSOCIATES, INC - CRAIG KNUTH

WISDOT/CADDS SHEET 49



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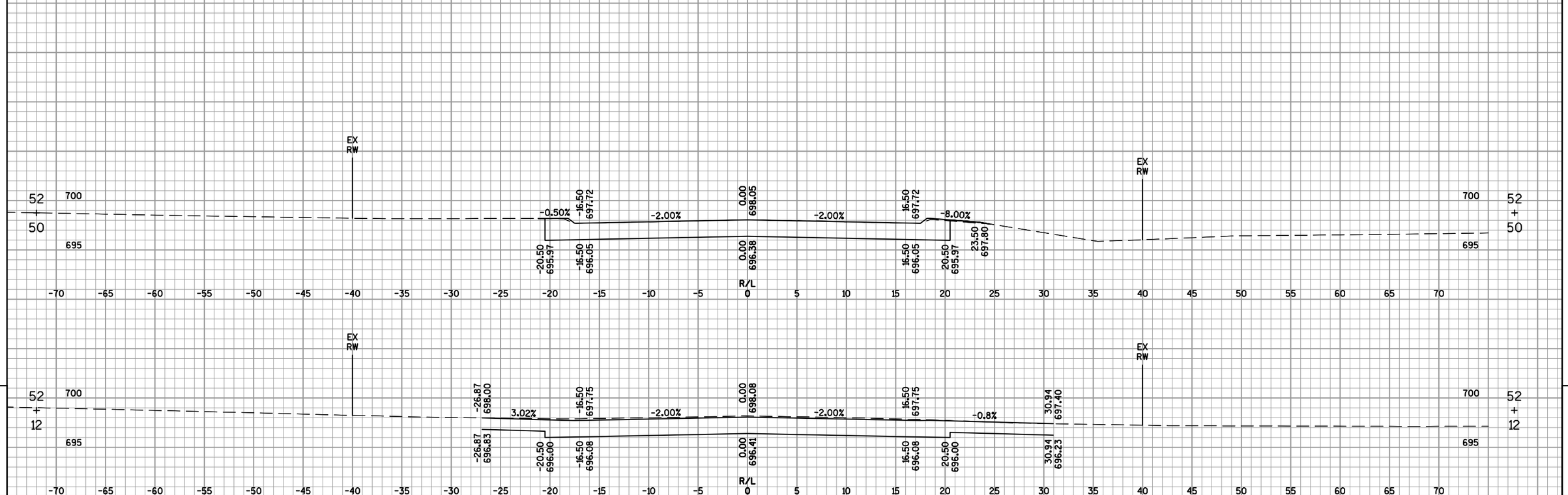

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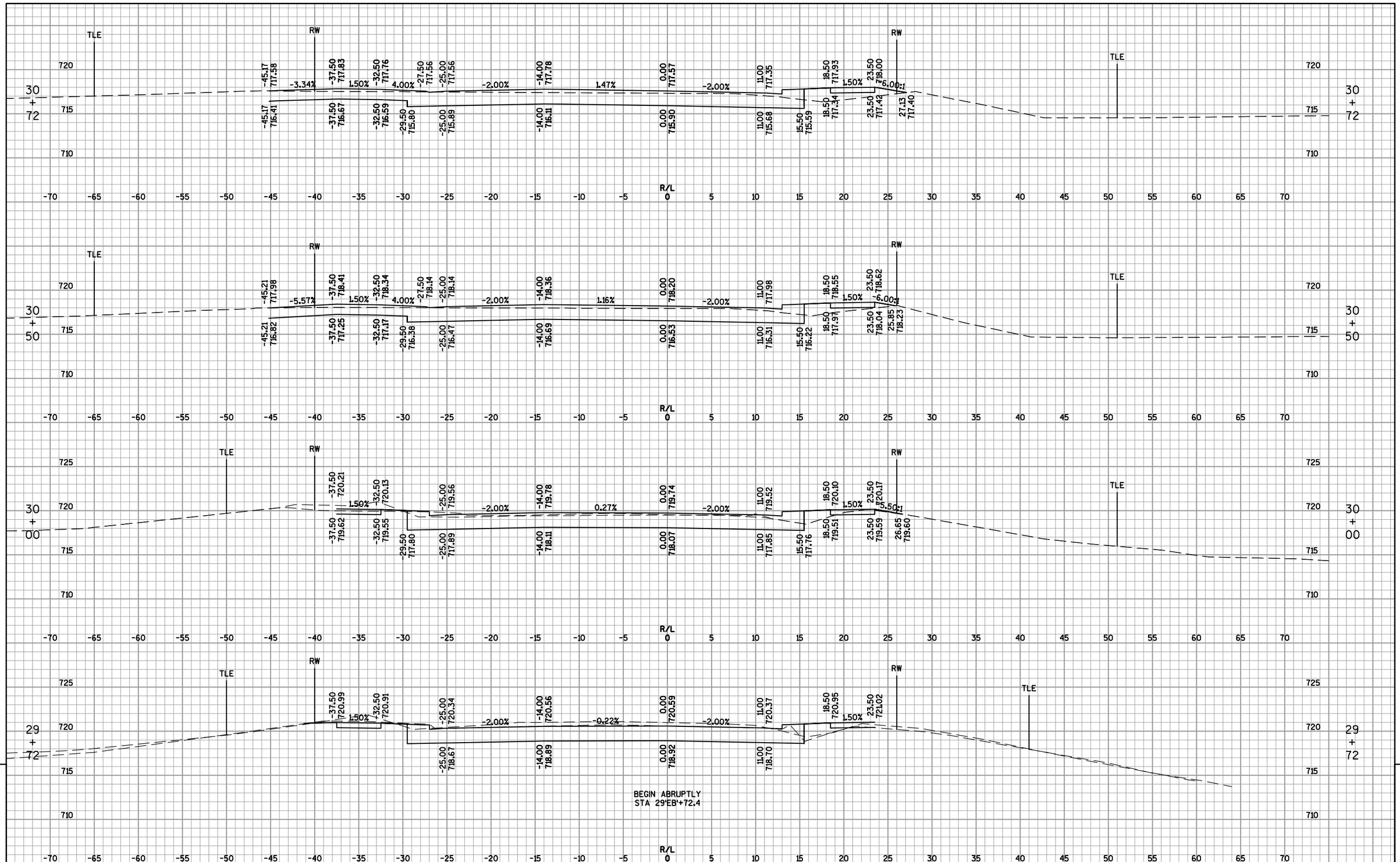
PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	CROSS SECTIONS: BADGER ROAD	SHEET 696	E



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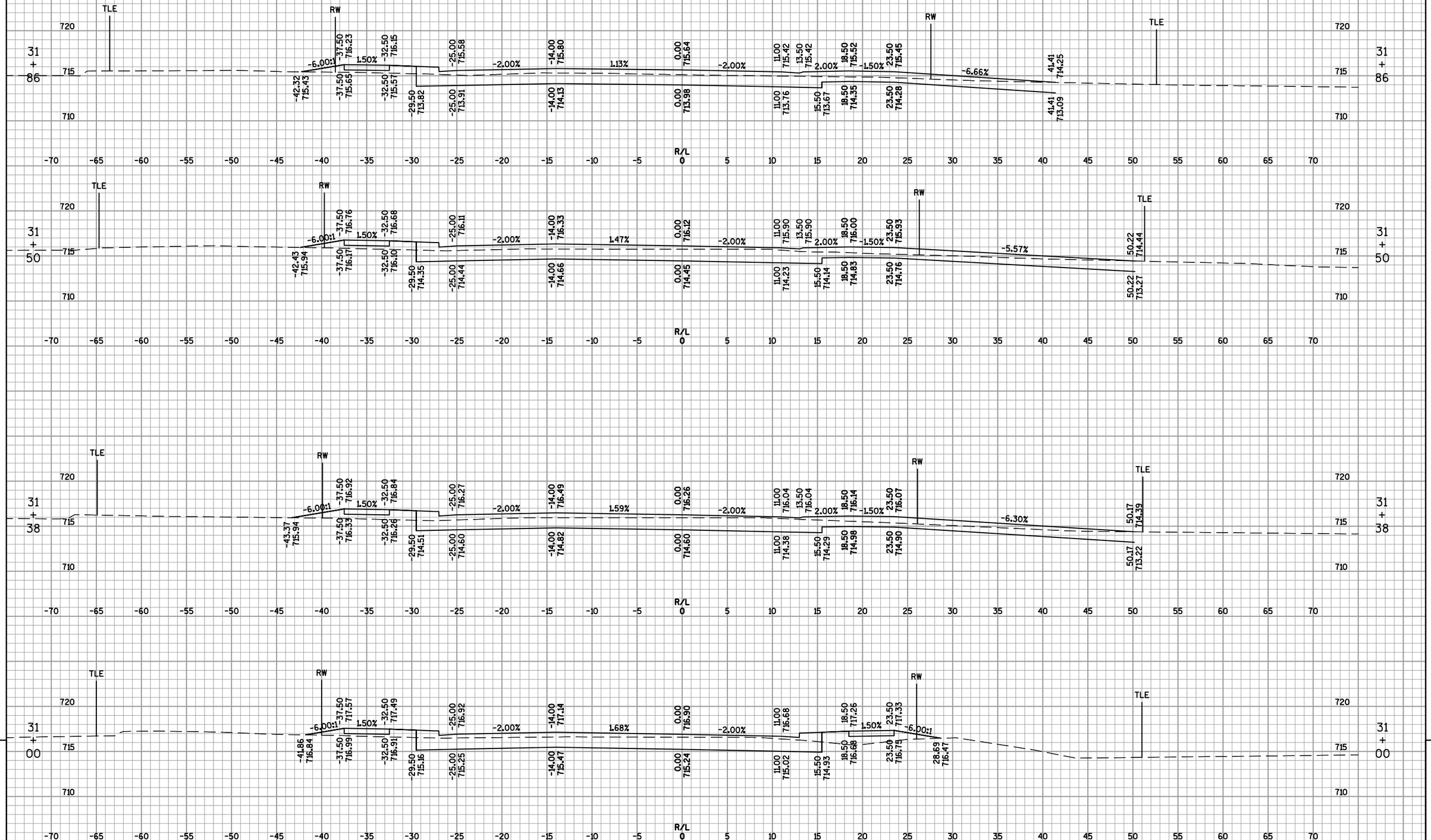

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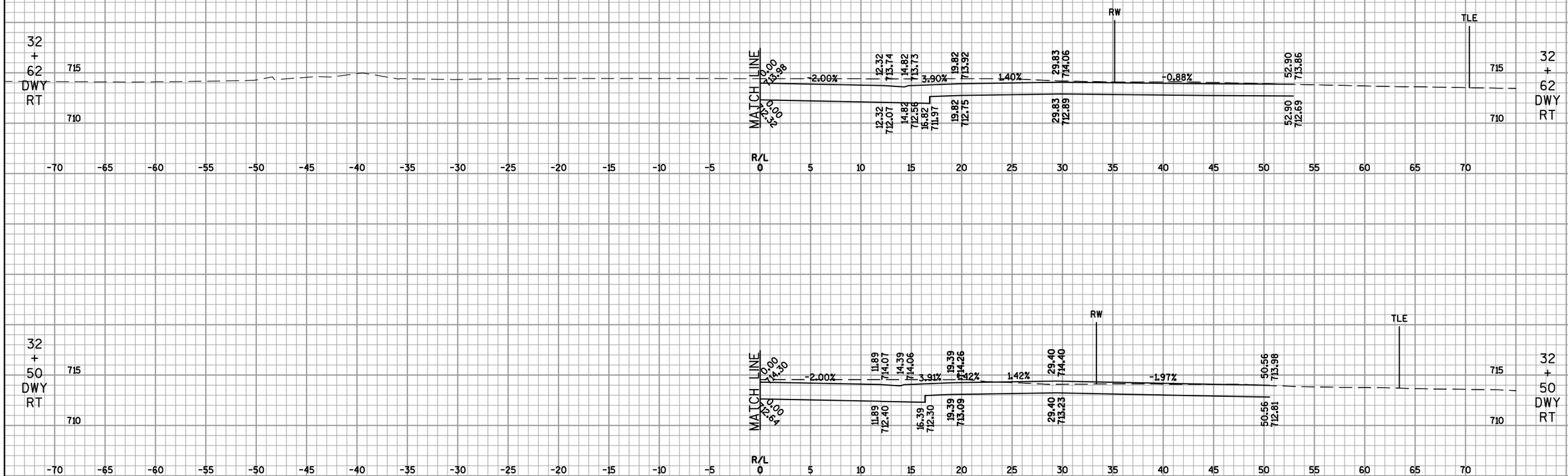

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PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	CROSS SECTIONS: GERTRUDE STREET EASTBOUND	SHEET 699	E

FILE NAME : F:\TR\JOBS\E1859A08\CIVIL 3D 2012\SHEETSPLAN\46500871_090200_XS-SIDEROADS.DWG
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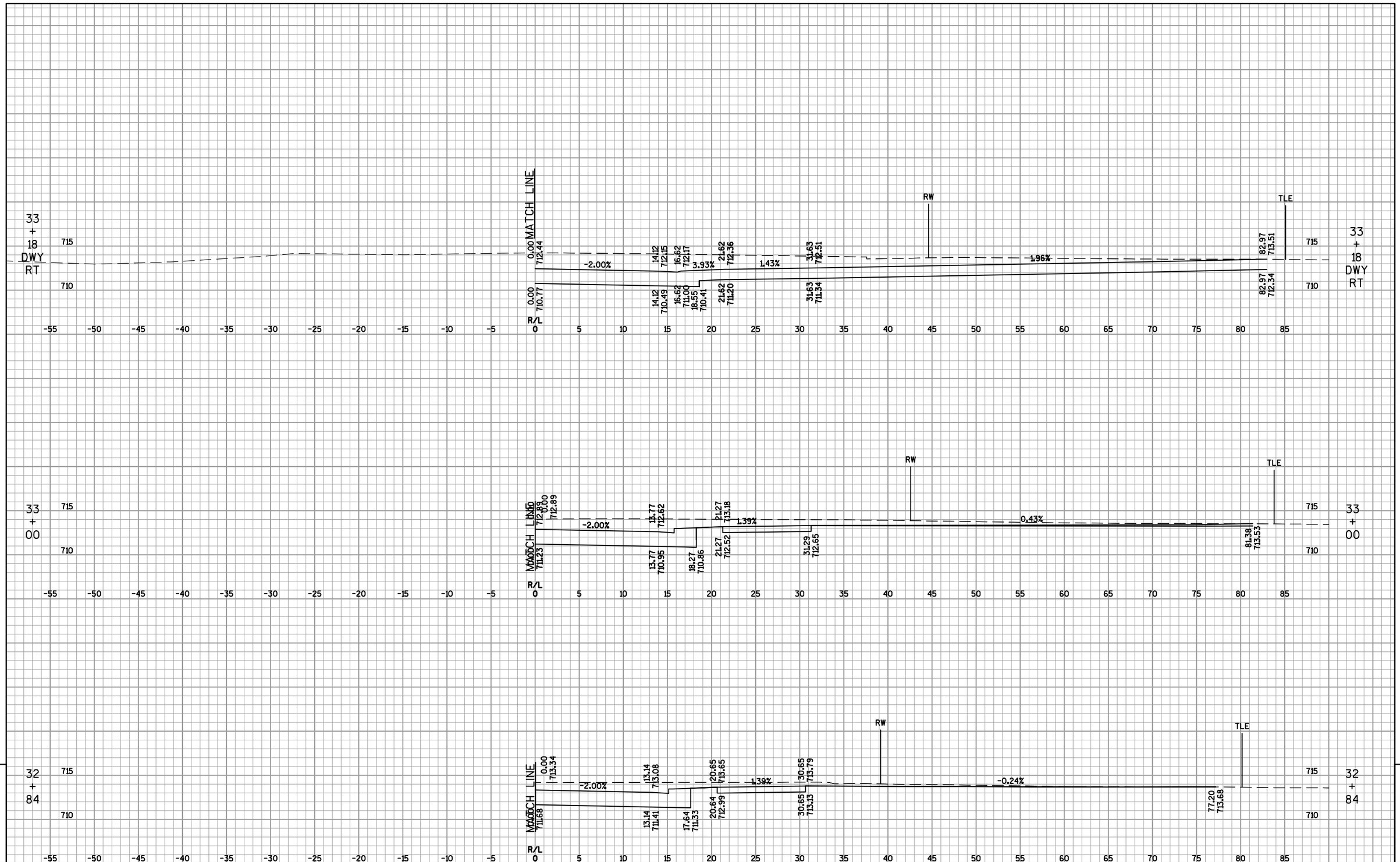
PLOT DATE : 7/31/2017 11:35 AM PLOT BY : OMNNI ASSOCIATES, INC - CRAIG KNUTH



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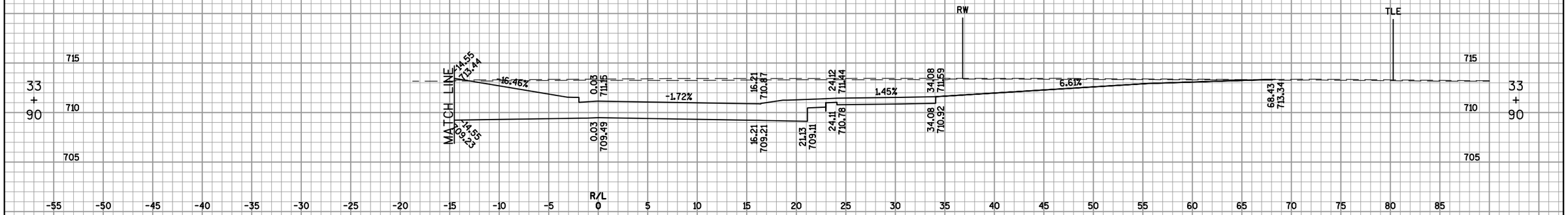

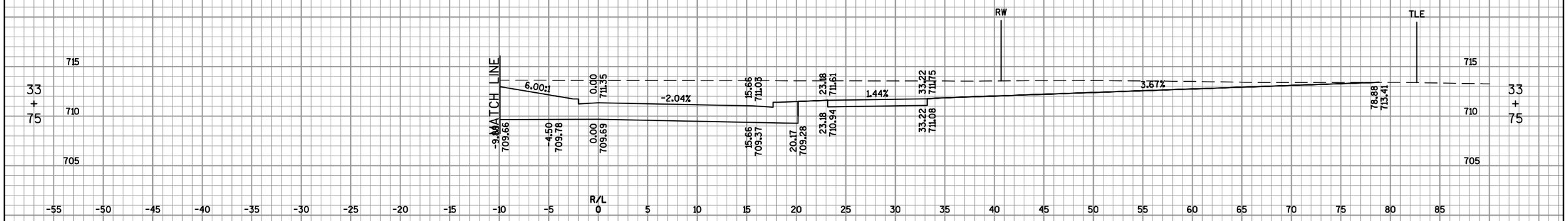

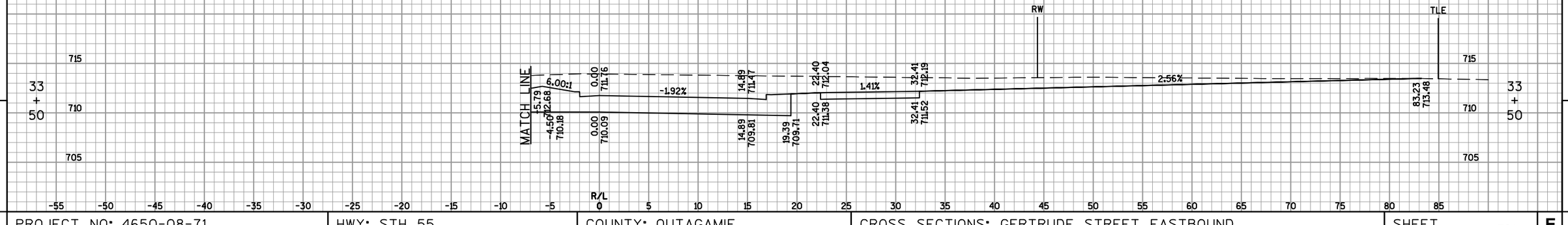

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PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	CROSS SECTIONS: GERTRUDE STREET EASTBOUND	SHEET 701	E

FILE NAME : F:\TR\JOBS\E1859A08\CIVIL 3D 2012\SHEETSPLAN\46500871_090200_XS-SIDEROADS.DWG
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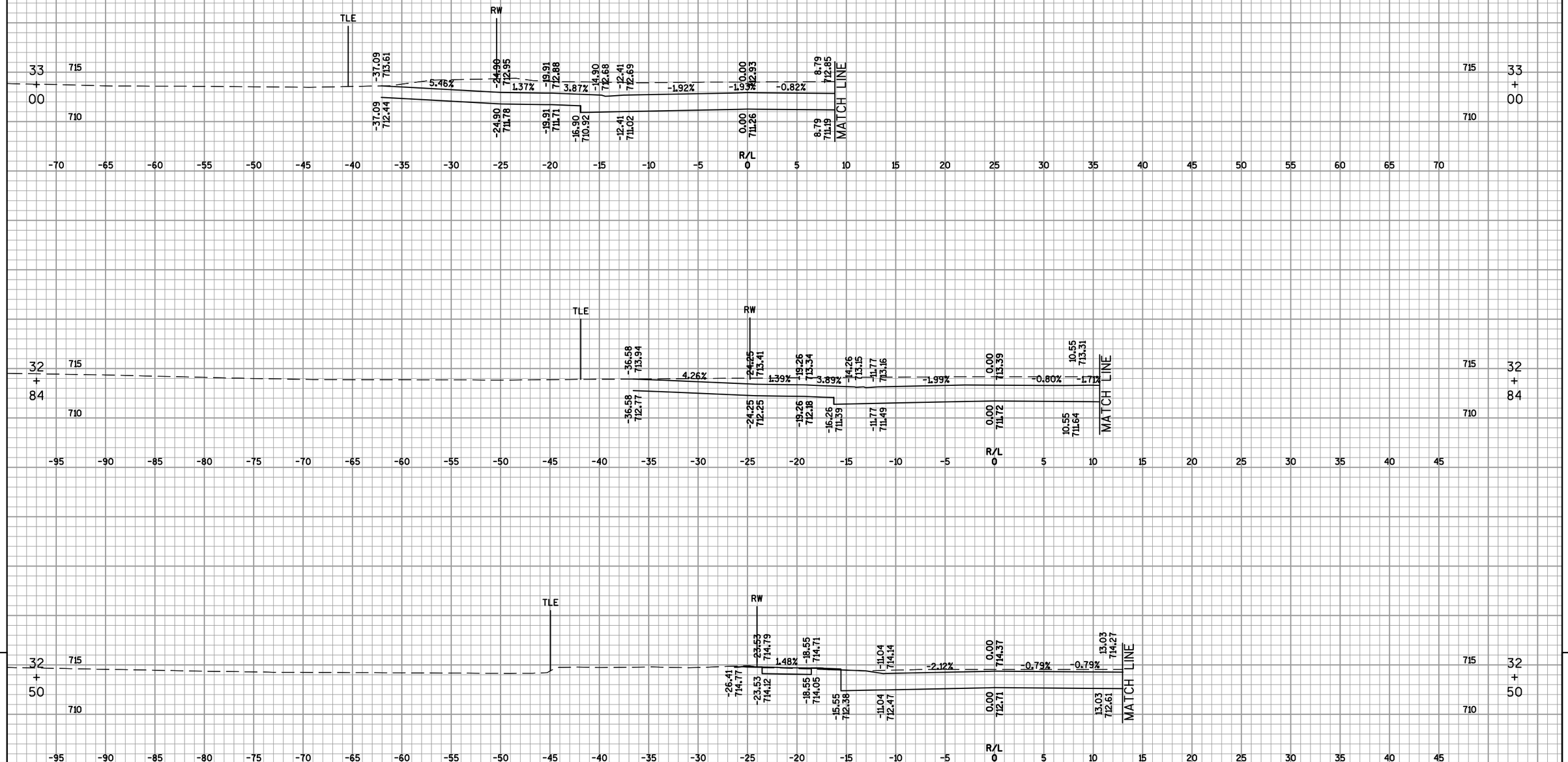
PLOT DATE : 5/24/2017 2:06 PM

PLOT BY : OMNNI ASSOCIATES, INC - CRAIG KNUTH

WISDOT/CADDS SHEET 49



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PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	CROSS SECTIONS: GERTRUDE STREET WESTBOUND	SHEET 702	E

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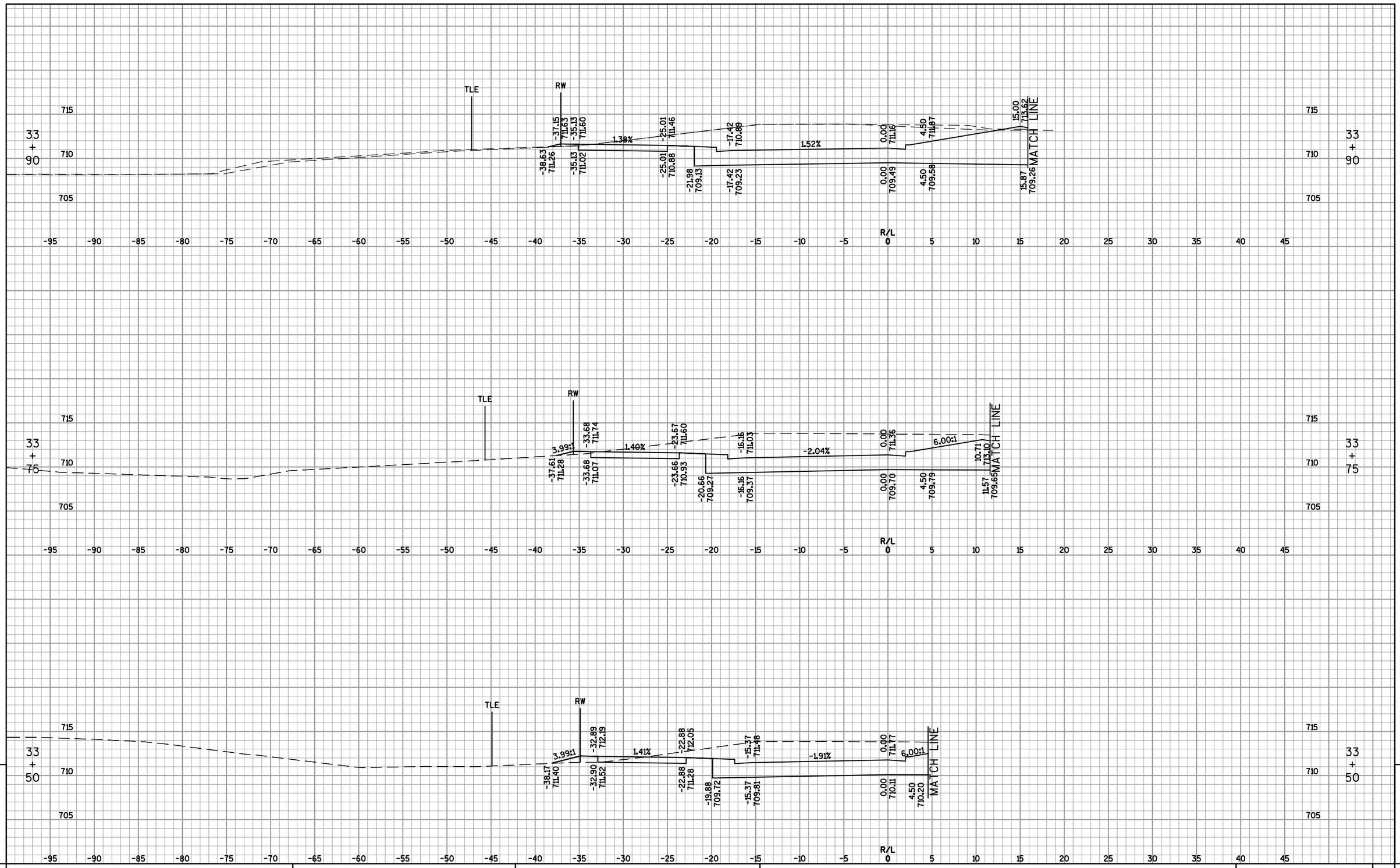
PLOT DATE : 5/24/2017 2:14 PM

PLOT BY : OMNNI ASSOCIATES, INC - CRAIG KNUTH

WISDOT/CADDS SHEET 49



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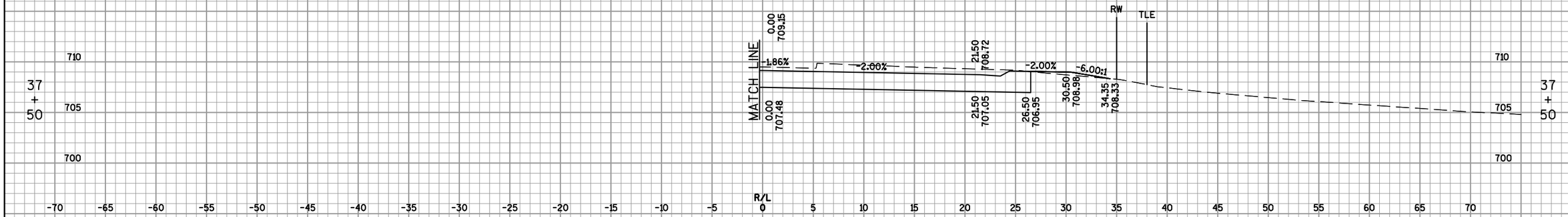
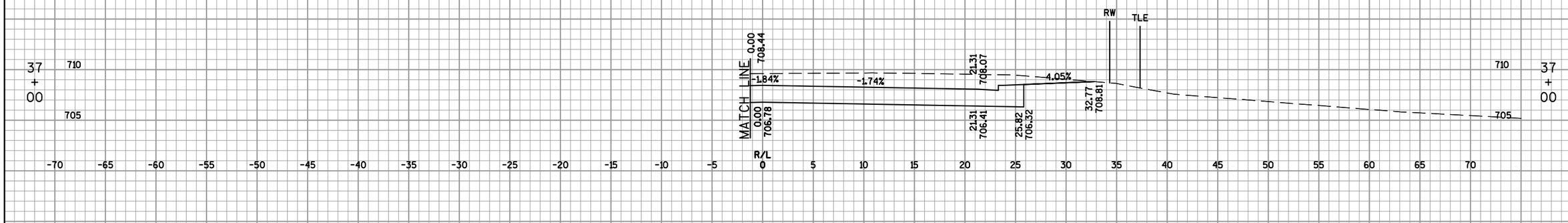
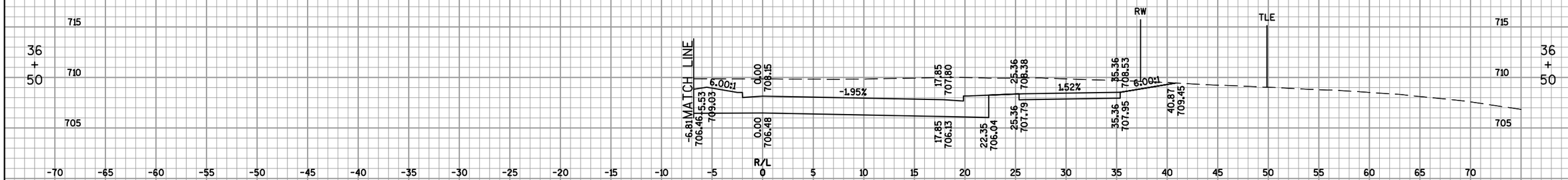
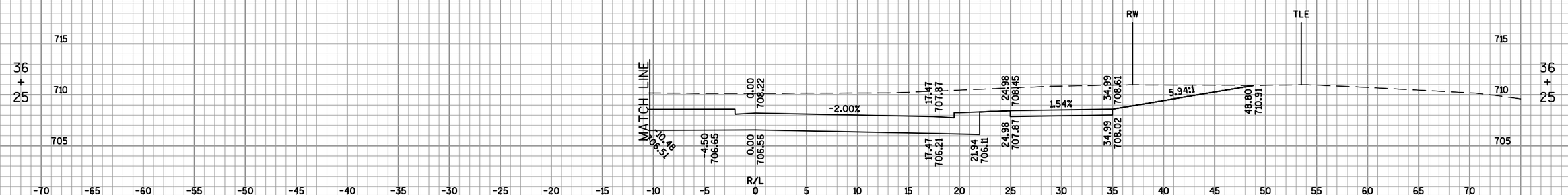
PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	CROSS SECTIONS: GERTRUDE STREET WESTBOUND	SHEET 703	E









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PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	CROSS SECTIONS: MALONEY ROAD EASTBOUND	SHEET 704	E

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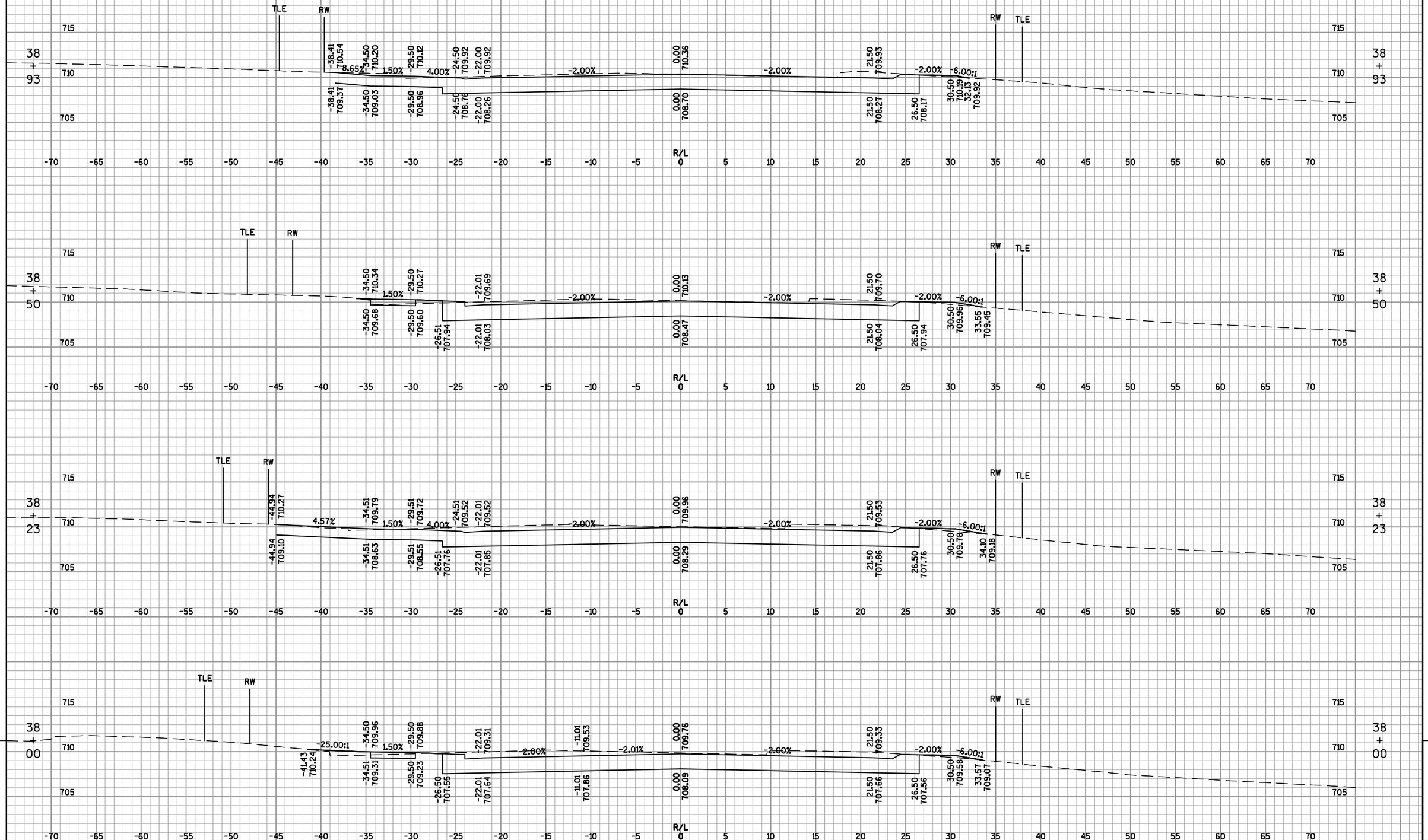
PLOT BY : OMNNI ASSOCIATES, INC - CRAIG KNUTH
WISDOT/CADDS SHEET 49



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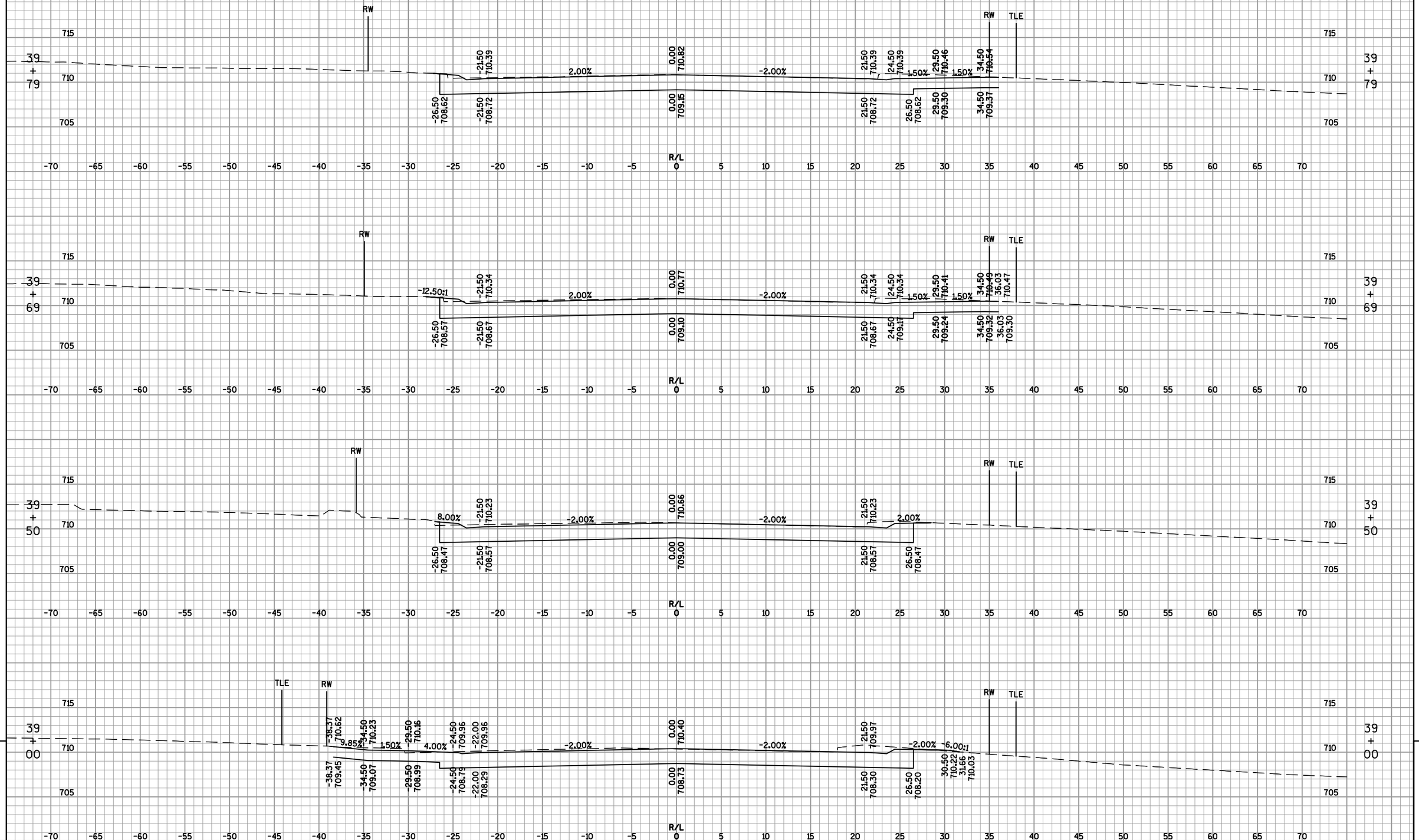
PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	CROSS SECTIONS: MALONEY ROAD EASTBOUND	SHEET 705	E



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PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	CROSS SECTIONS: MALONEY ROAD EASTBOUND	SHEET 706	E

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PLOT BY : OMNNI ASSOCIATES, INC - CRAIG KNUTH

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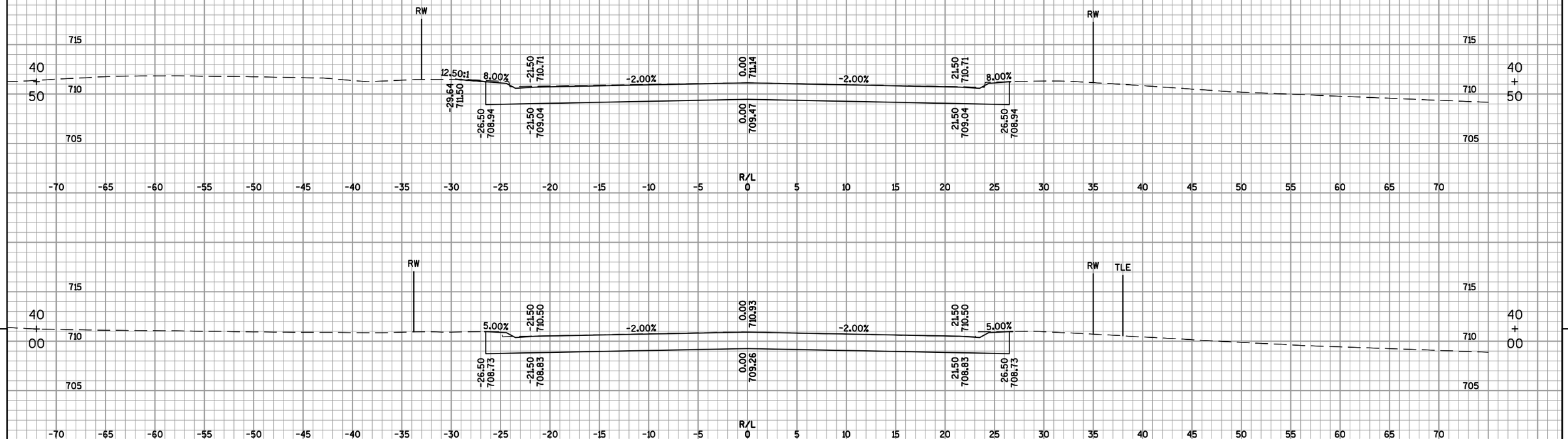

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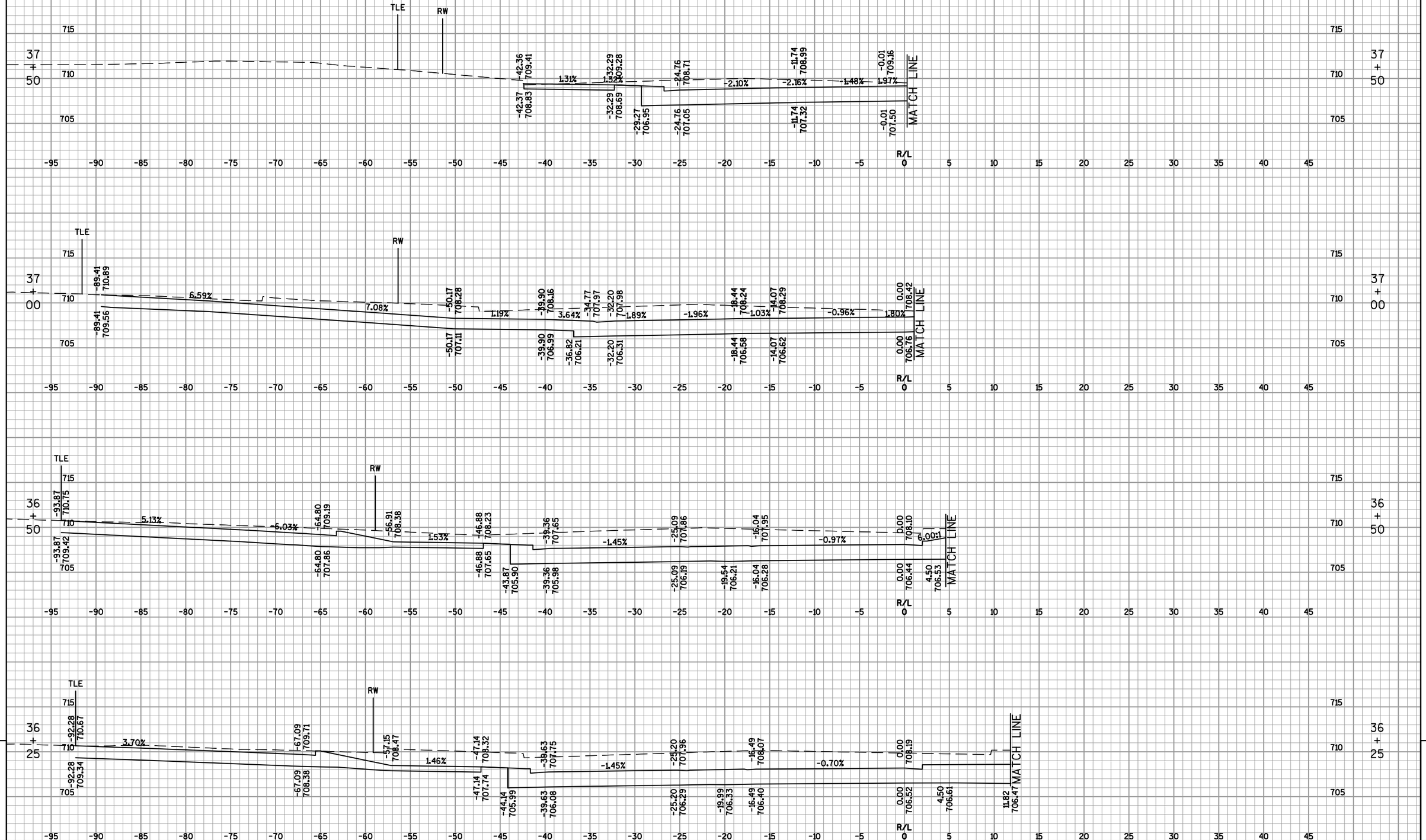

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PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	CROSS SECTIONS: MALONEY ROAD WESTBOUND	SHEET 708	E

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PLOT BY : OMNNI ASSOCIATES, INC - CRAIG KNUTH

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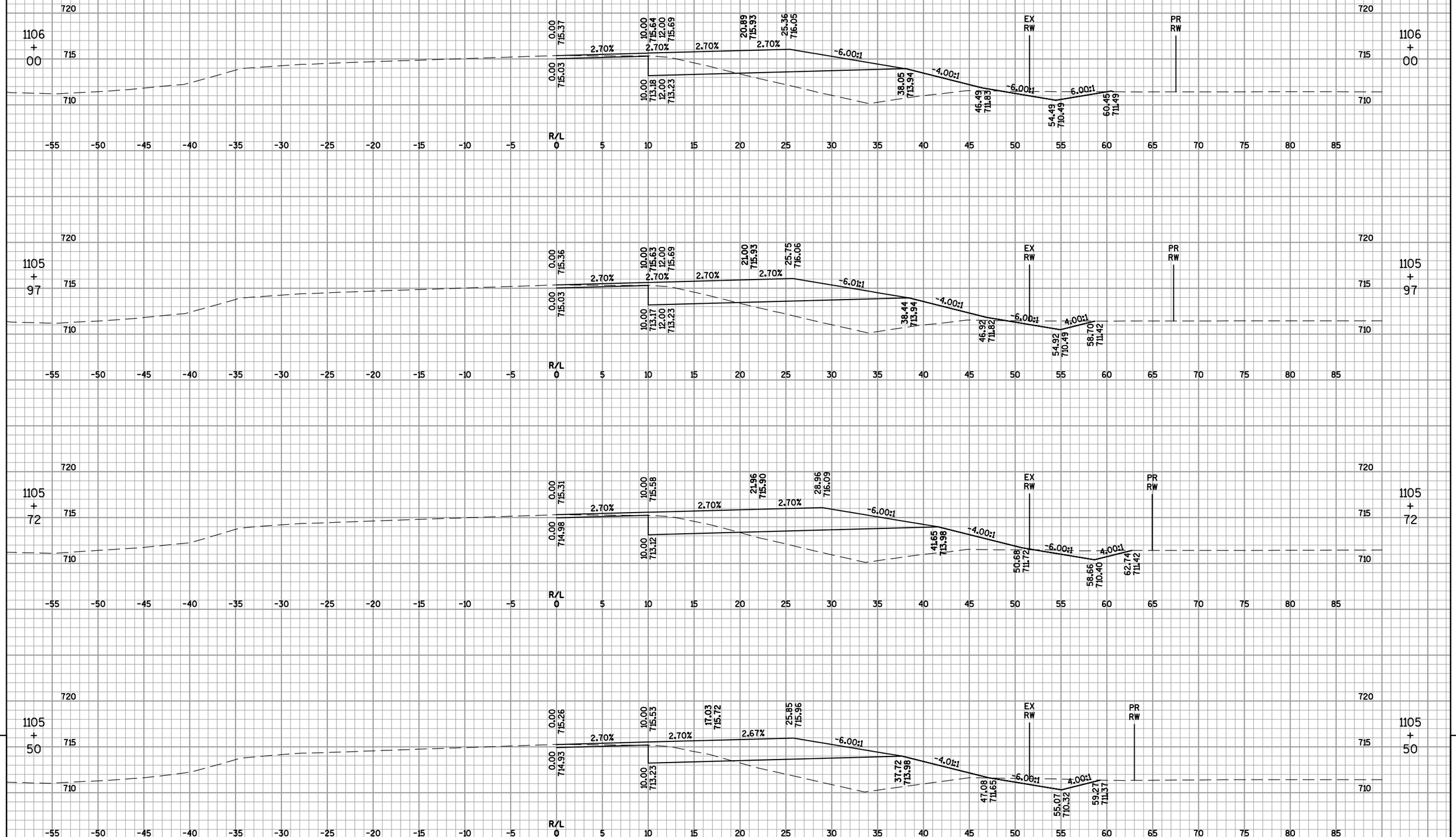

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PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	CROSS SECTIONS: IH 41 NORTHBOUND OFF-RAMP ('AA')	SHEET 709	E

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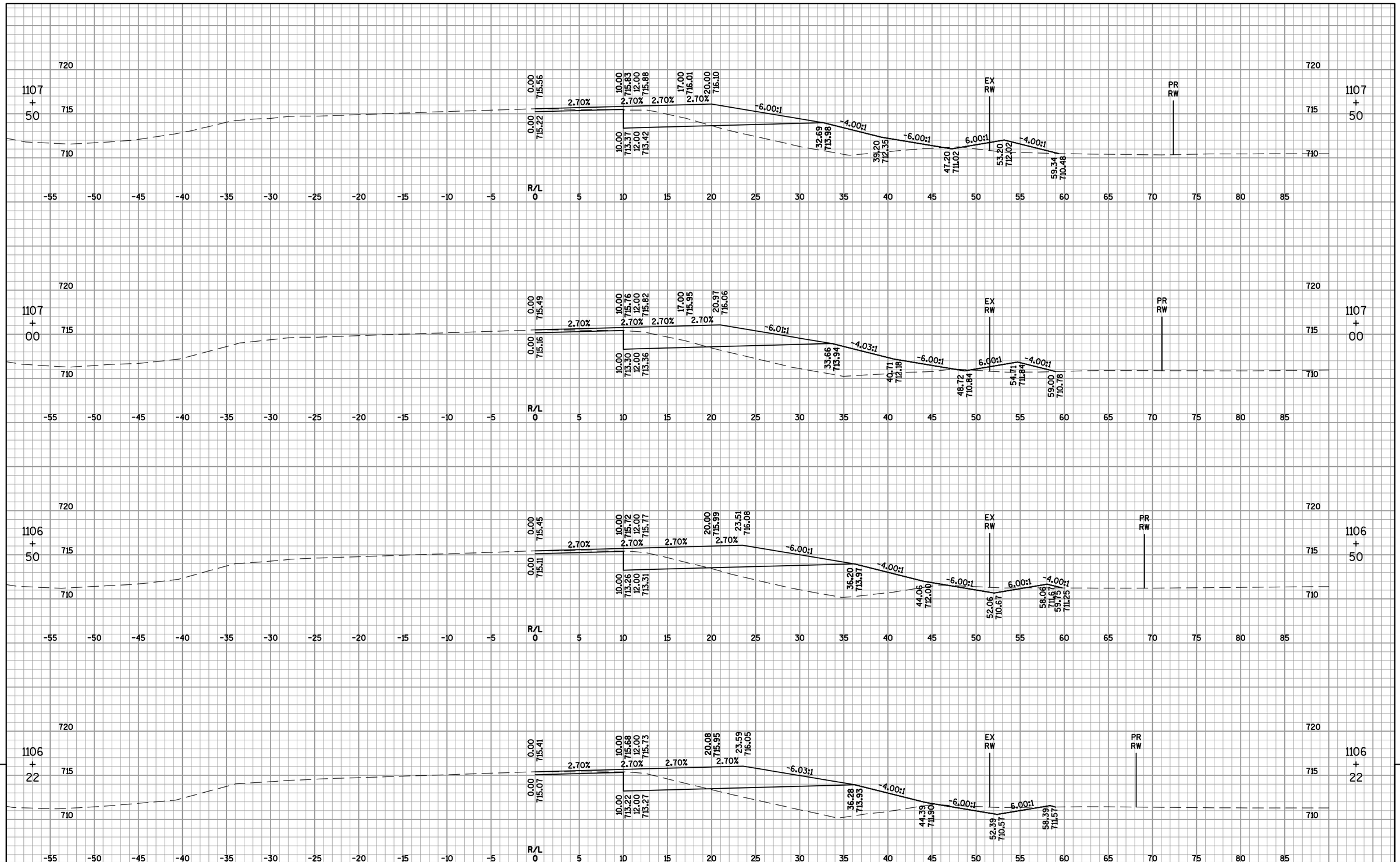

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PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	CROSS SECTIONS: IH 41 NORTHBOUND OFF-RAMP ('AA')	SHEET 710	E

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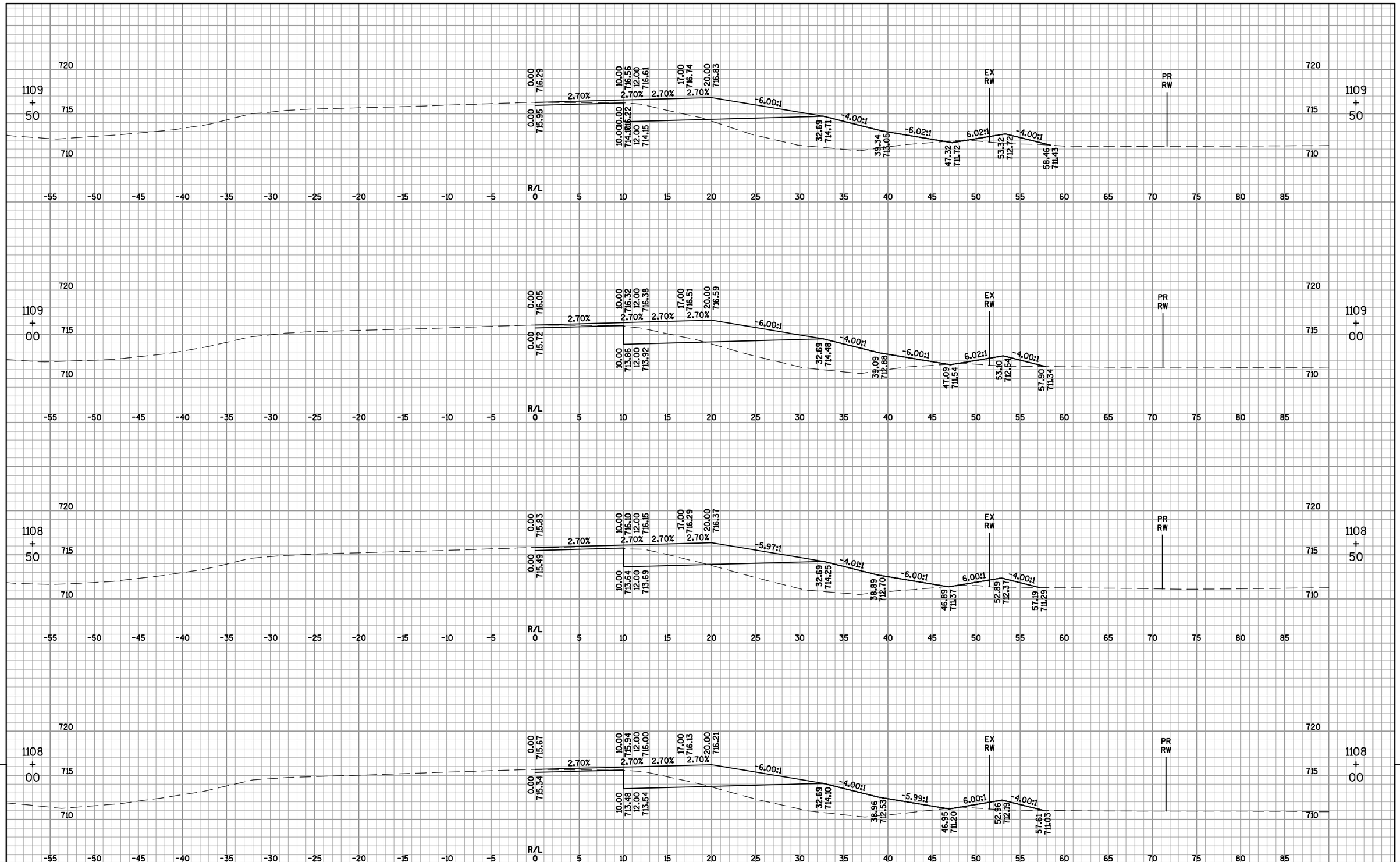

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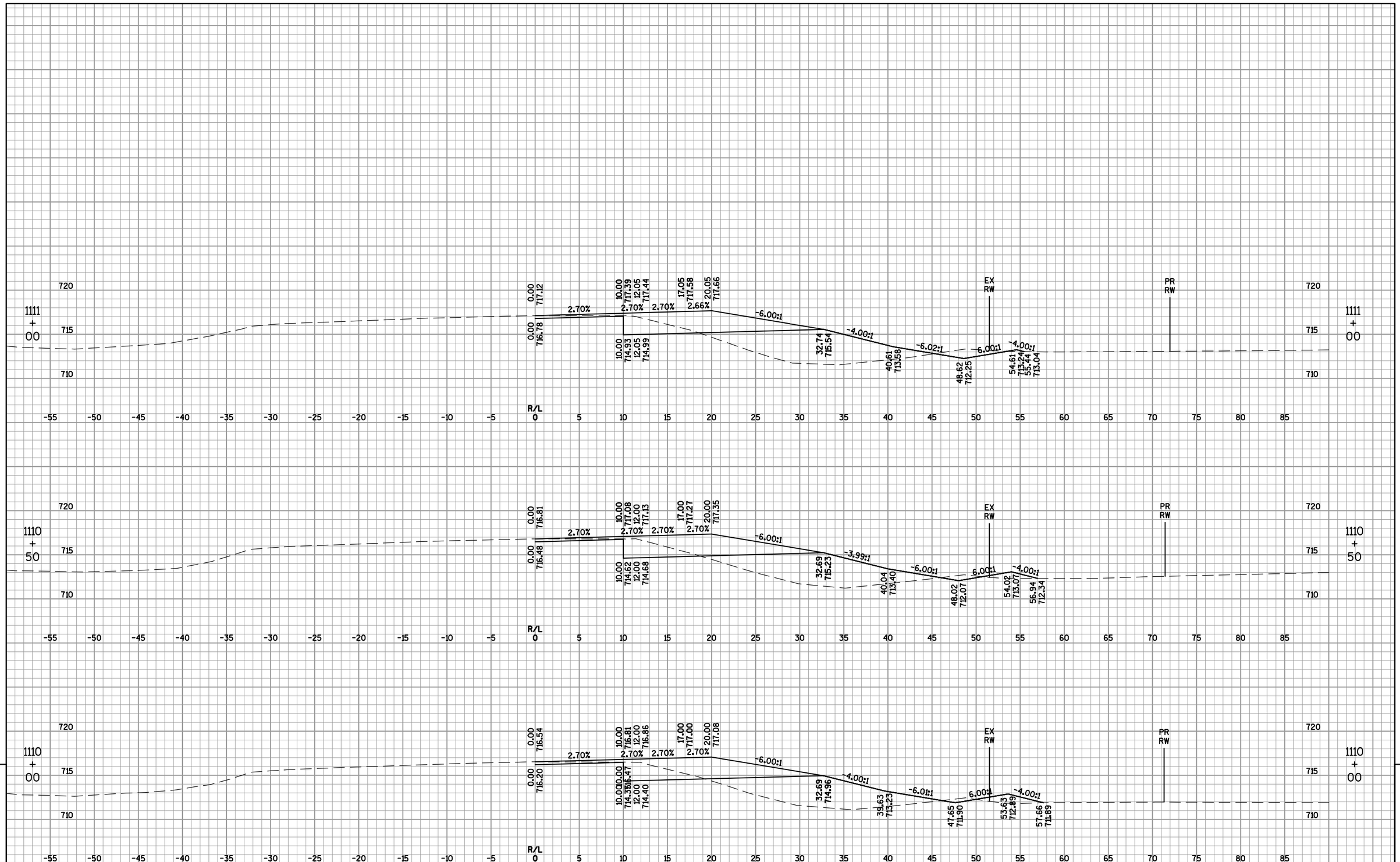

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PLOT BY : OMNNI ASSOCIATES, INC - CRAIG KNUTH

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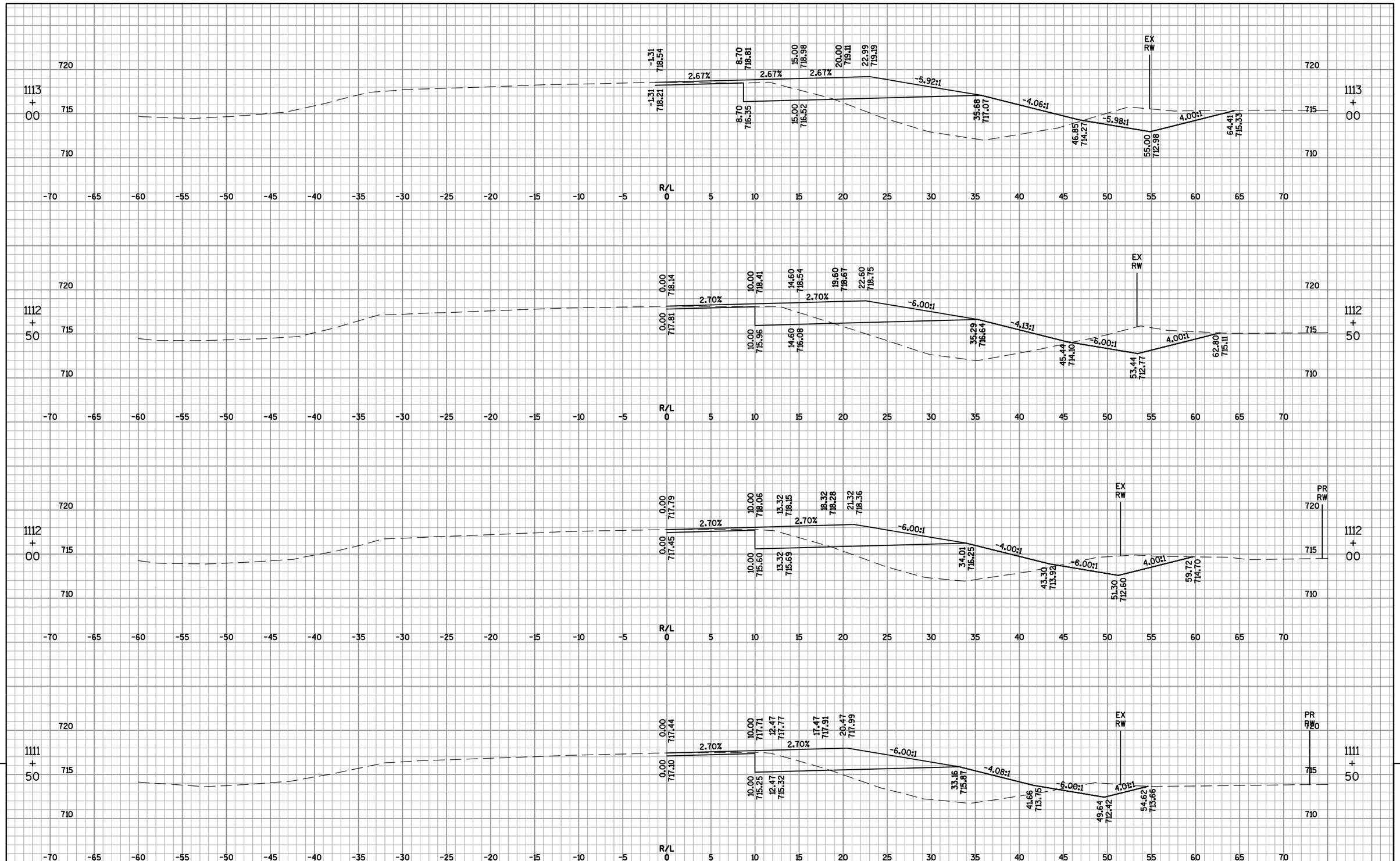

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PLOT BY : OMNNI ASSOCIATES, INC - CRAIG KNUTH

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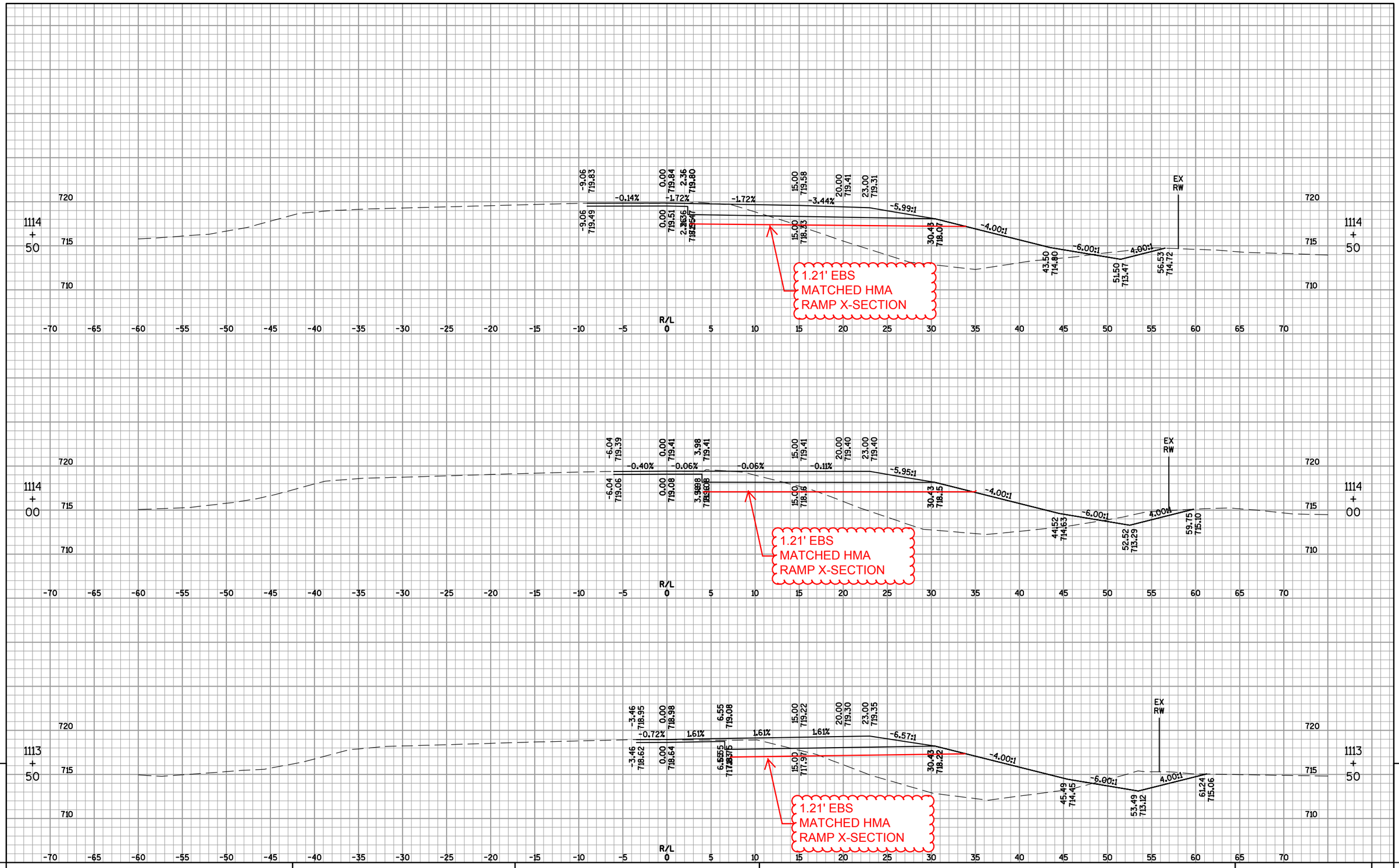

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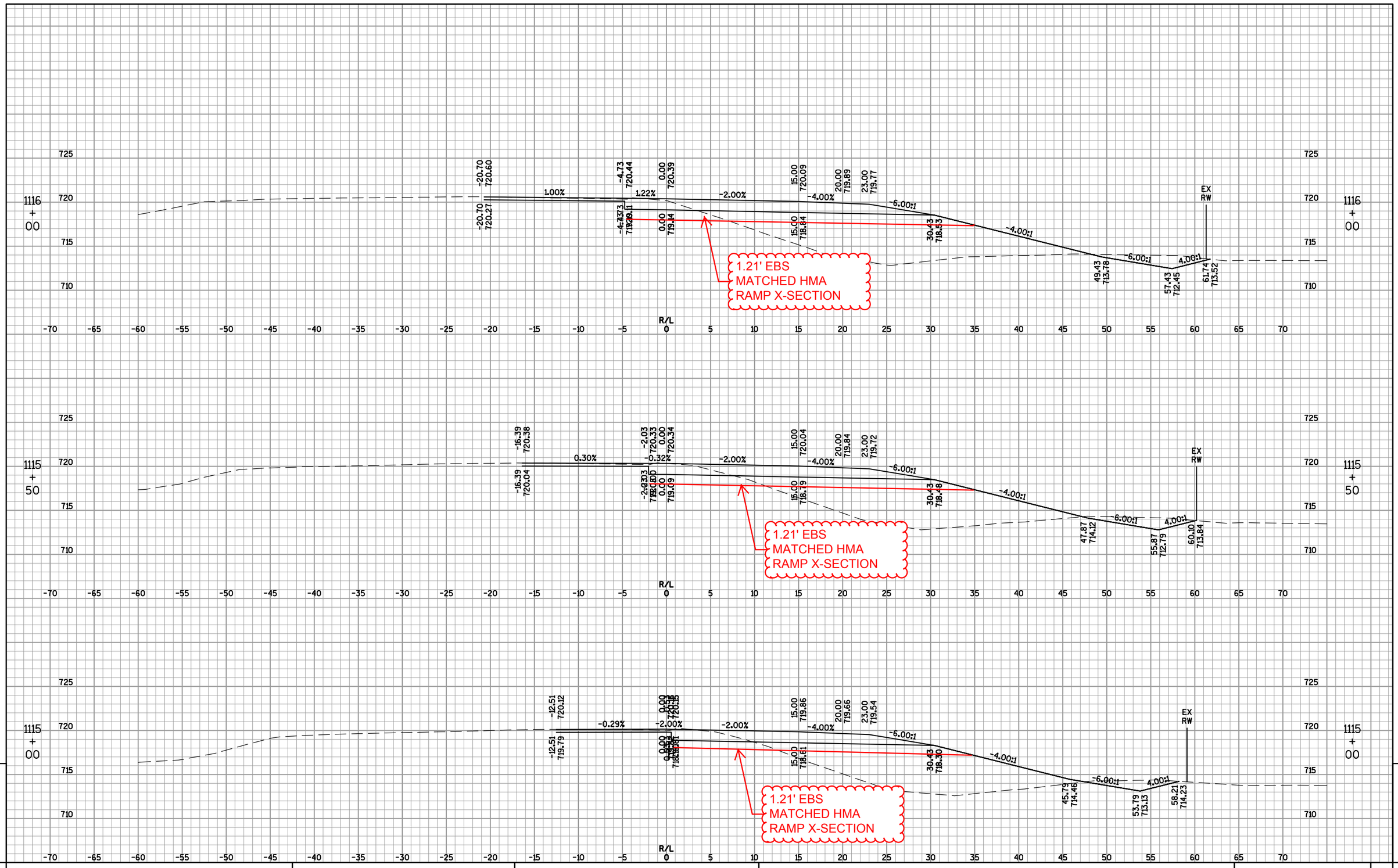

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PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	CROSS SECTIONS: IH 41 NORTHBOUND OFF-RAMP ('AA')	SHEET 715	E

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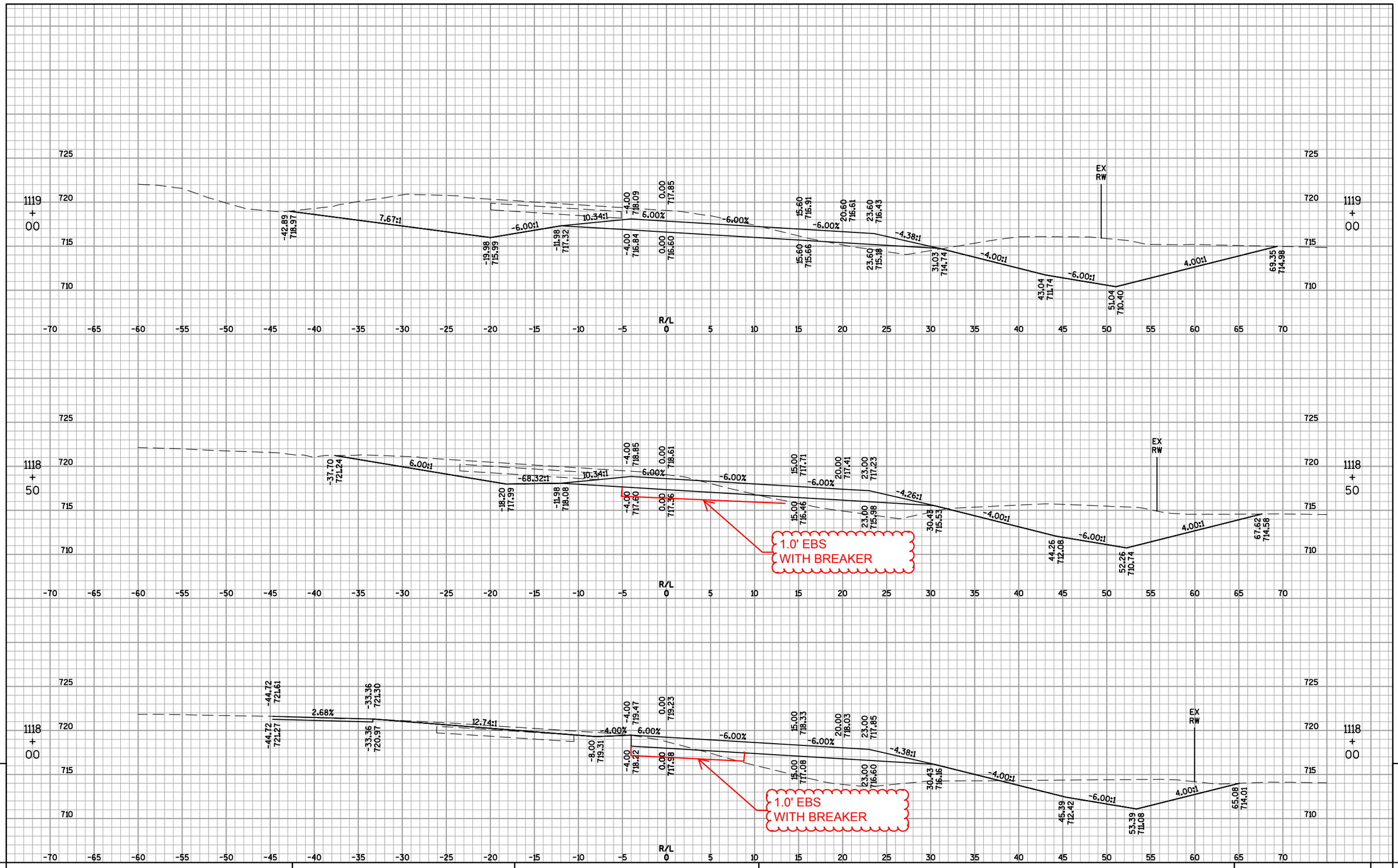
PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	CROSS SECTIONS: IH 41 NORTHBOUND OFF-RAMP ('AA')	SHEET 716	E



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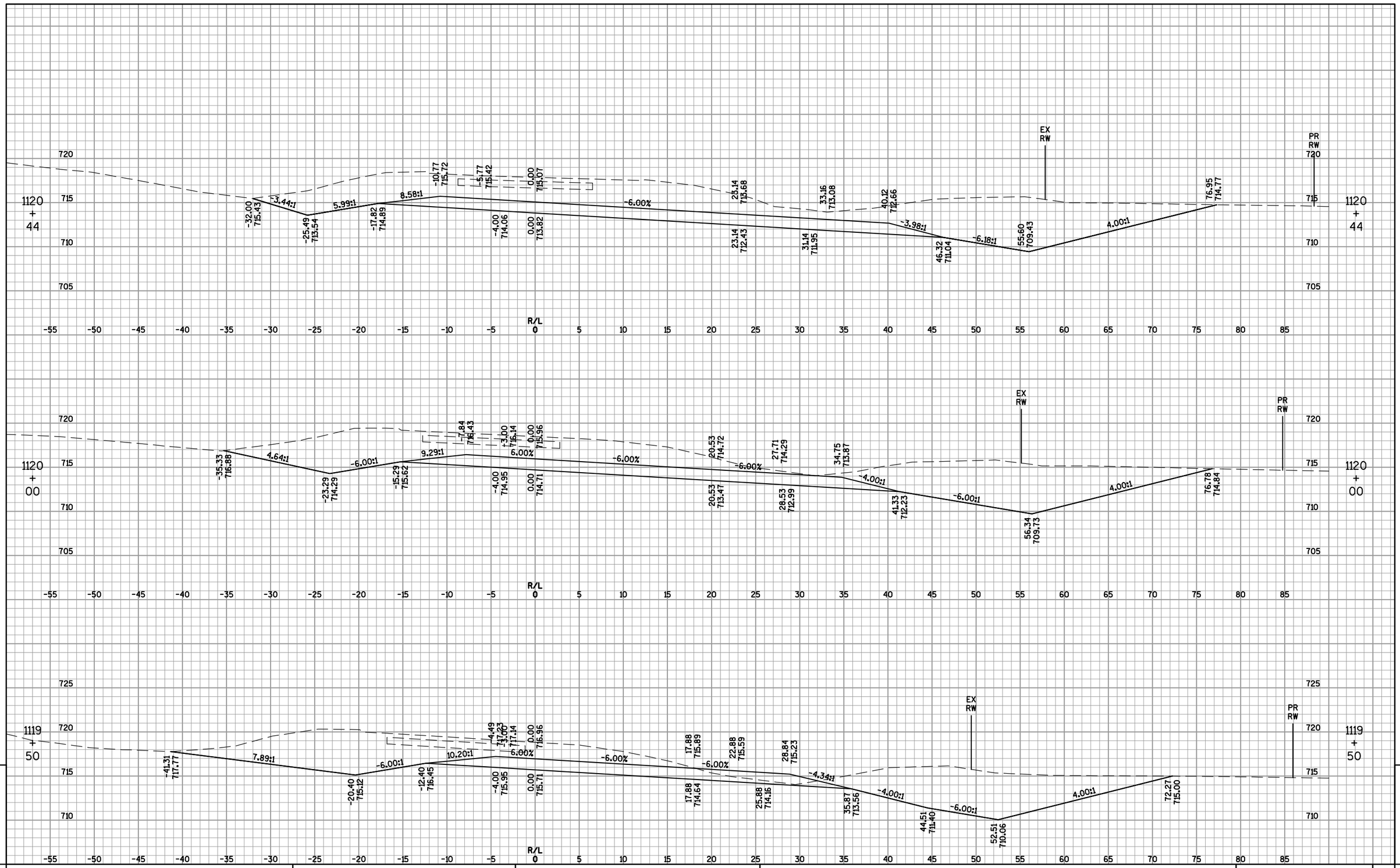

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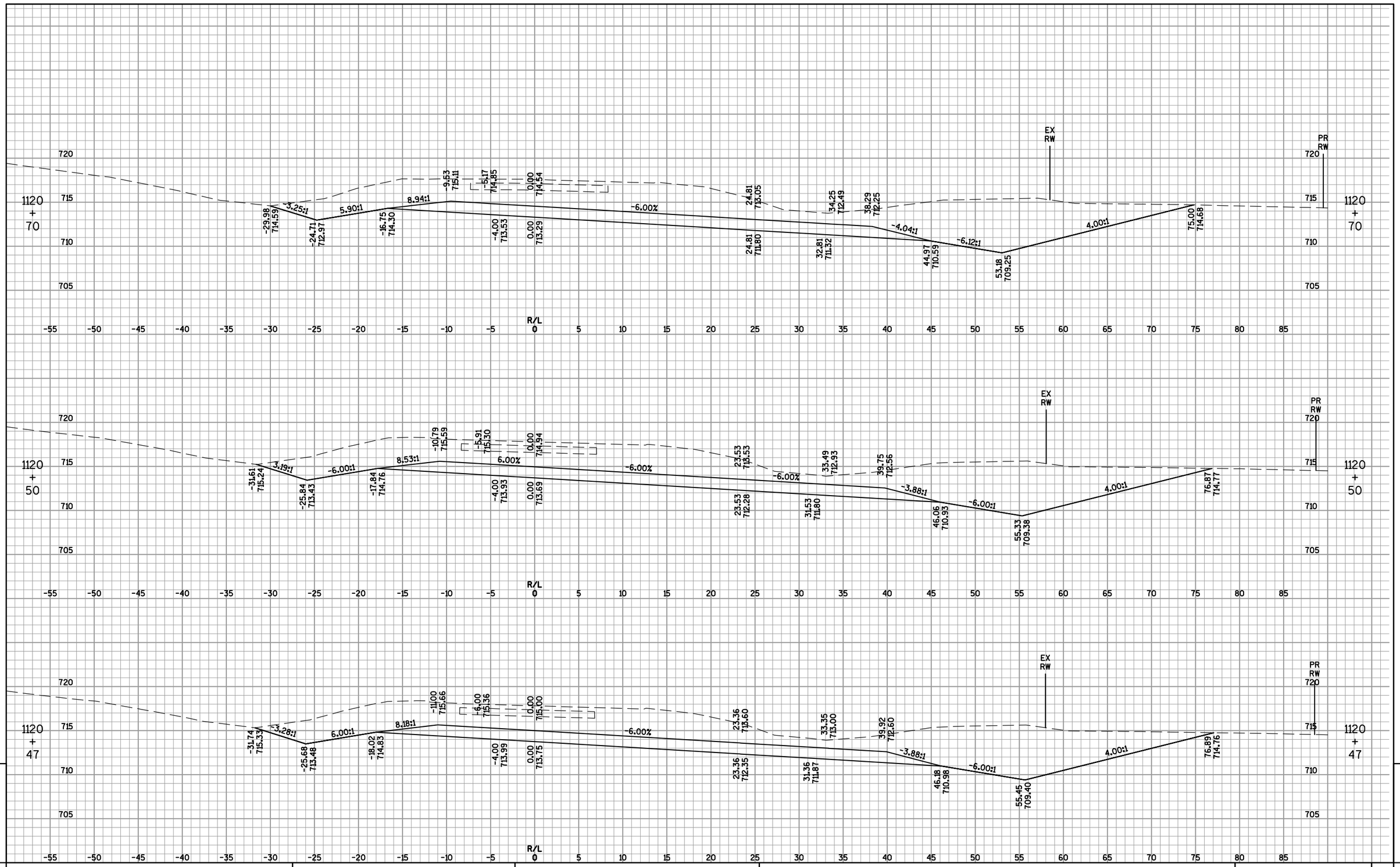

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PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	CROSS SECTIONS: IH 41 NORTHBOUND OFF-RAMP ('AA')	SHEET 719	E

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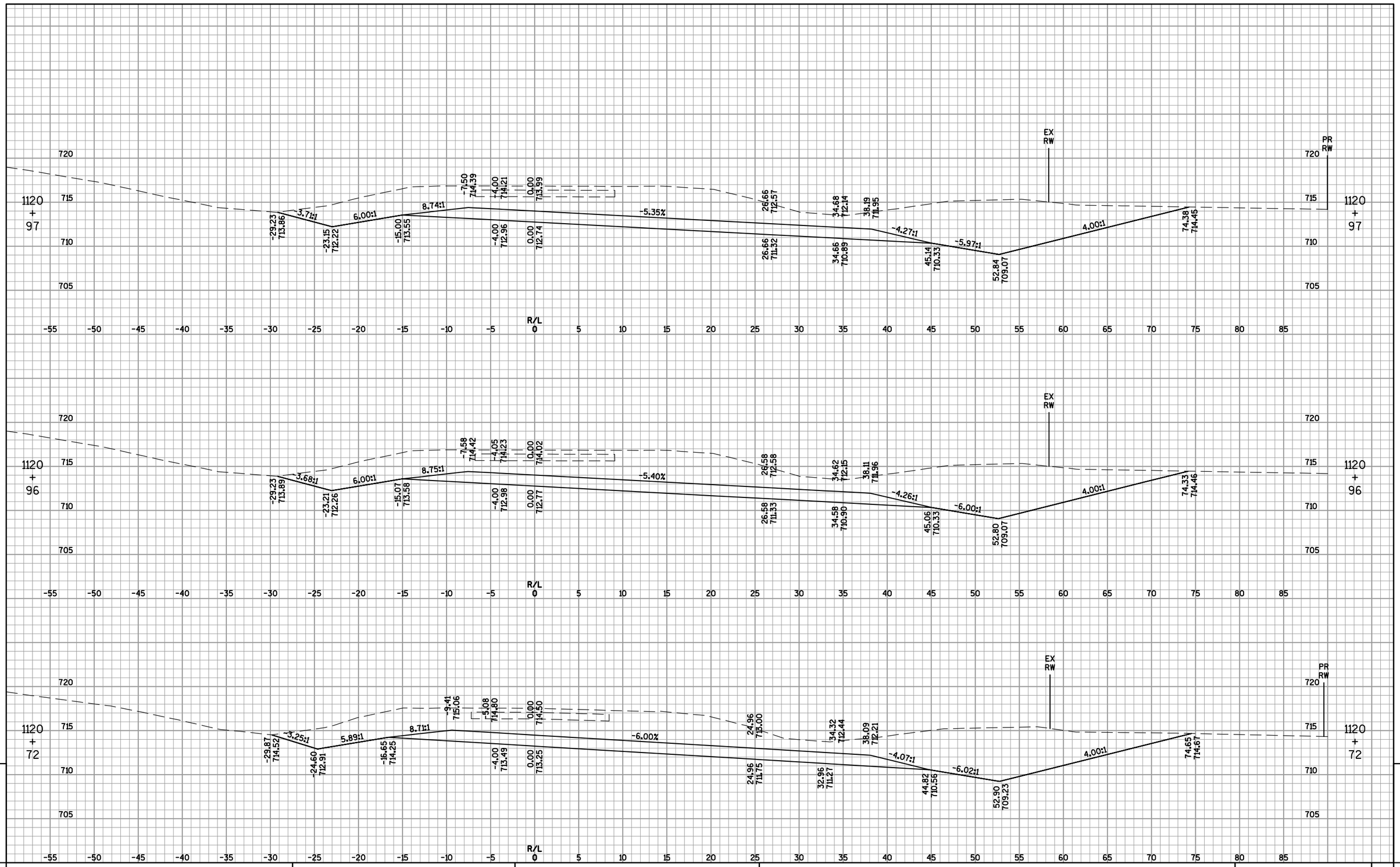
PLOT BY : OMNNI ASSOCIATES, INC - CRAIG KNUTH



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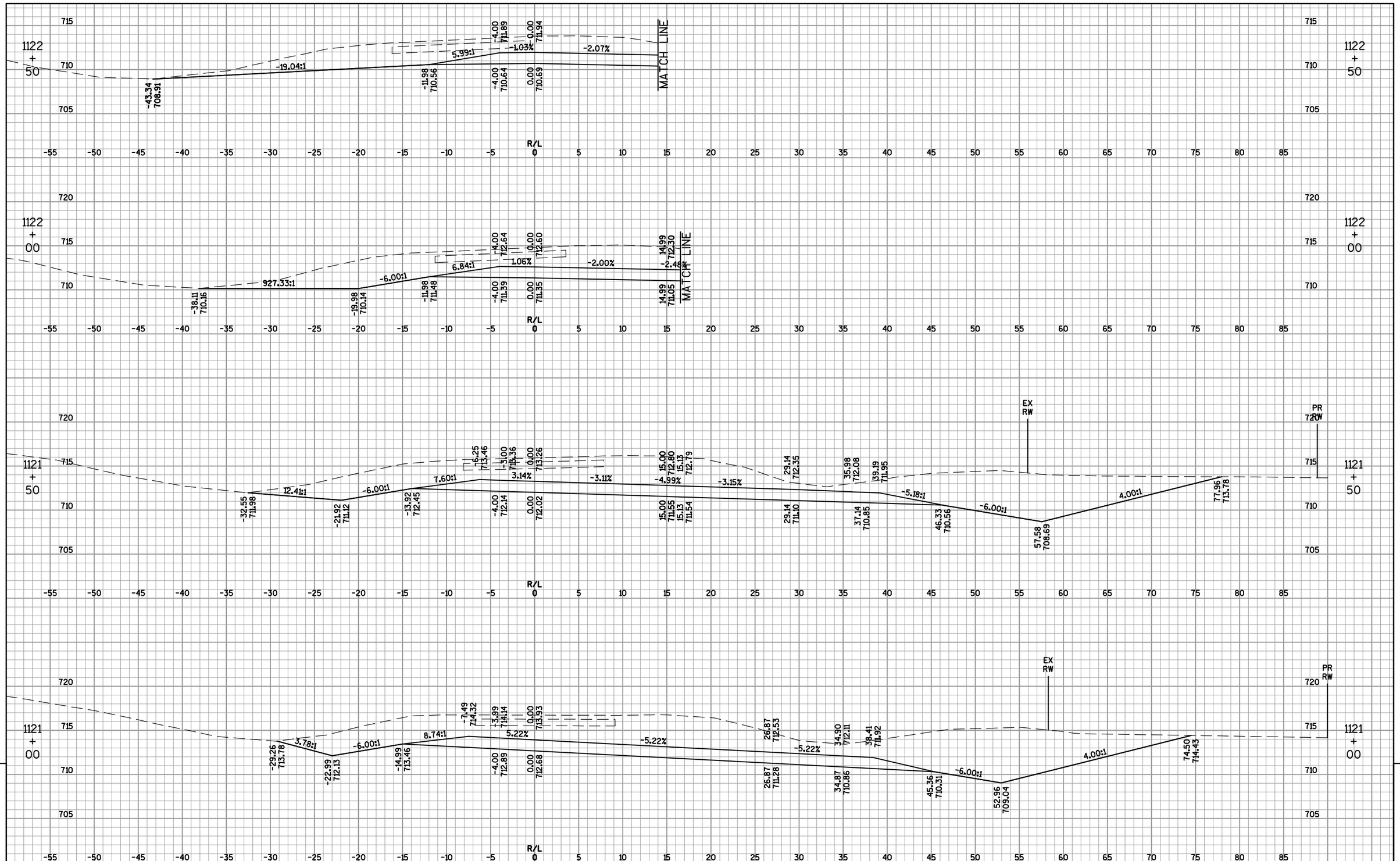
PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	CROSS SECTIONS: IH 41 NORTHBOUND OFF-RAMP ('AA')	SHEET 720	E



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PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	CROSS SECTIONS: IH 41 NORTHBOUND OFF-RAMP ('AA')	SHEET 721	E

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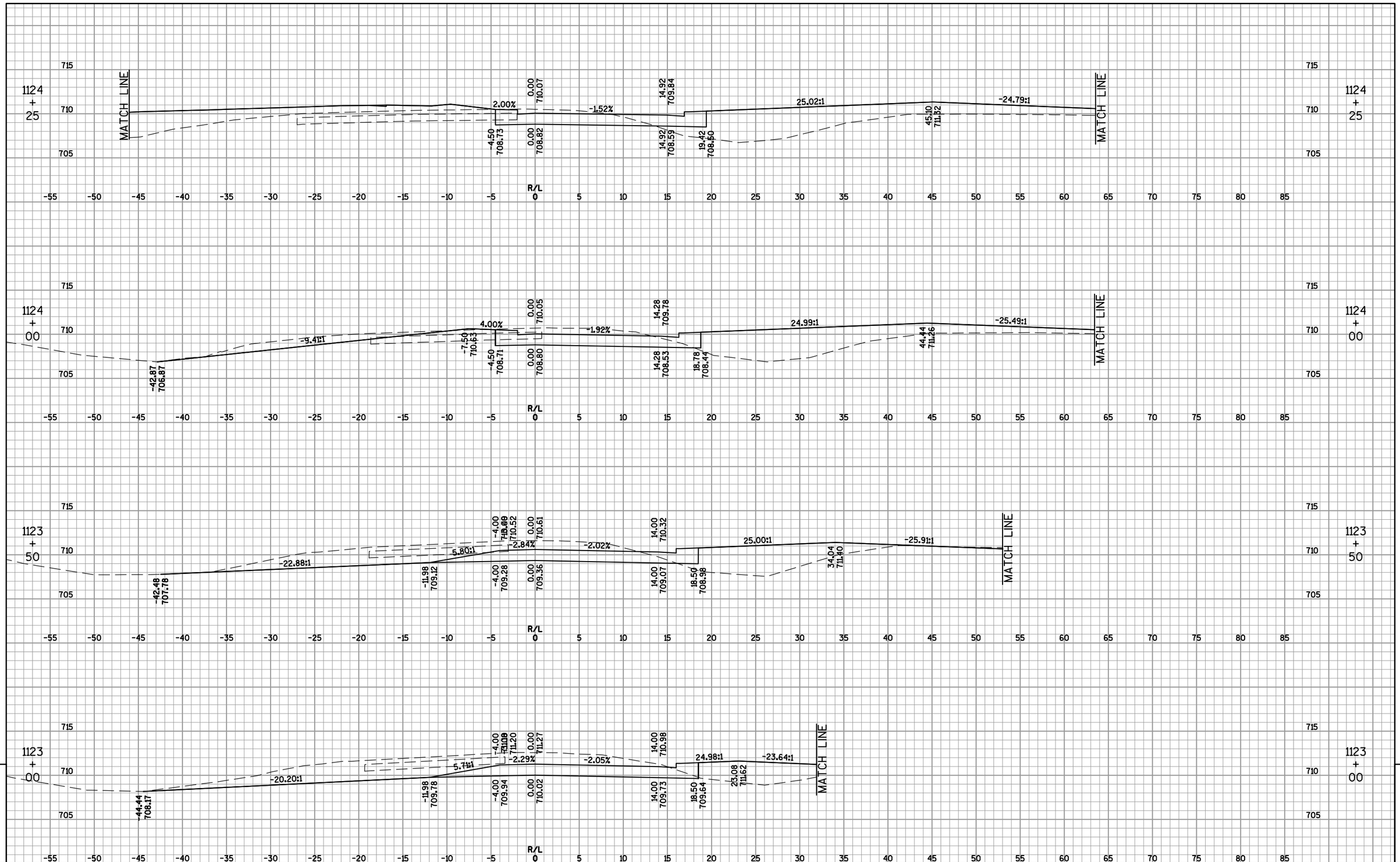

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PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	CROSS SECTIONS: IH 41 NORTHBOUND OFF-RAMP ('AA')	SHEET 722	E

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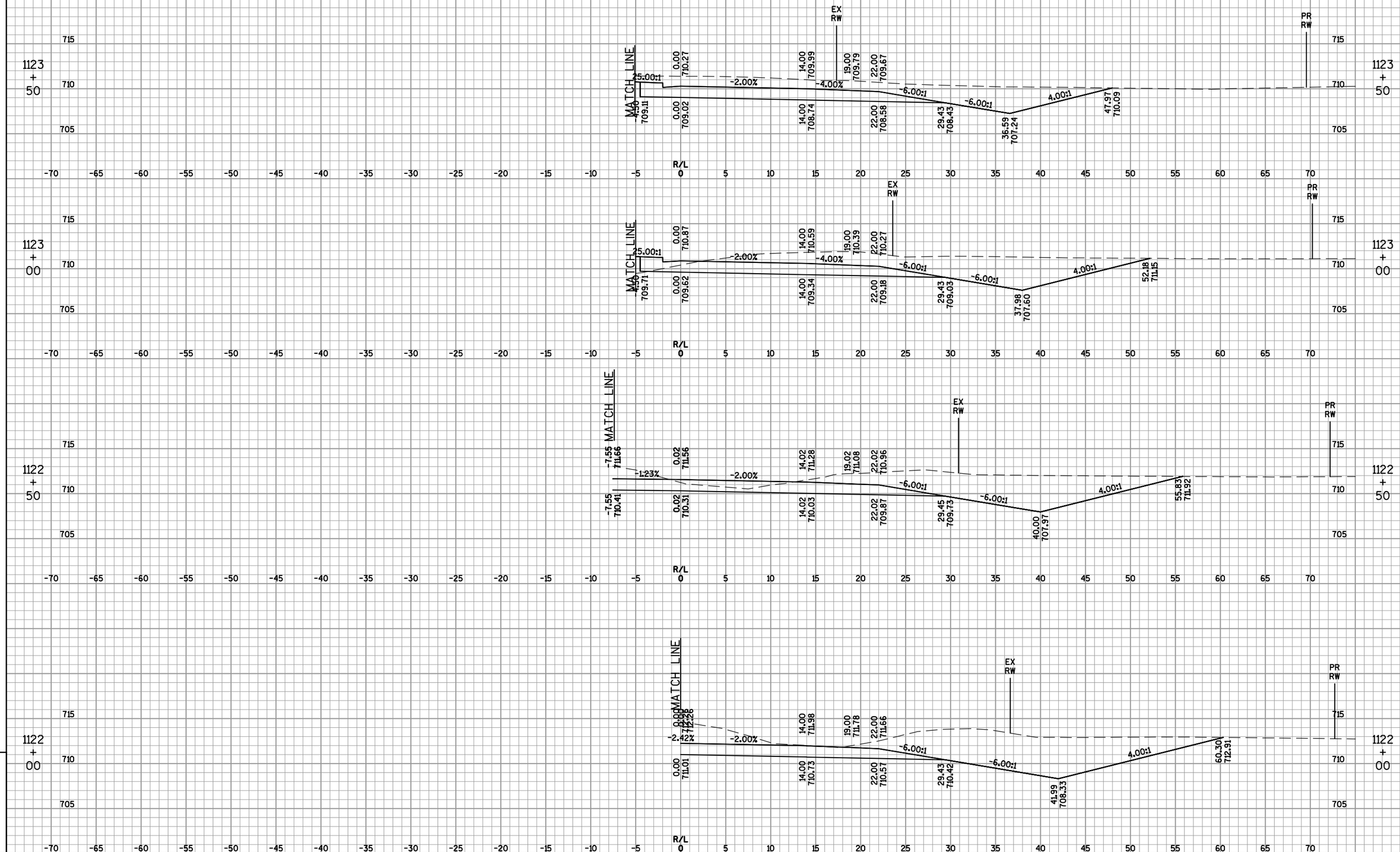

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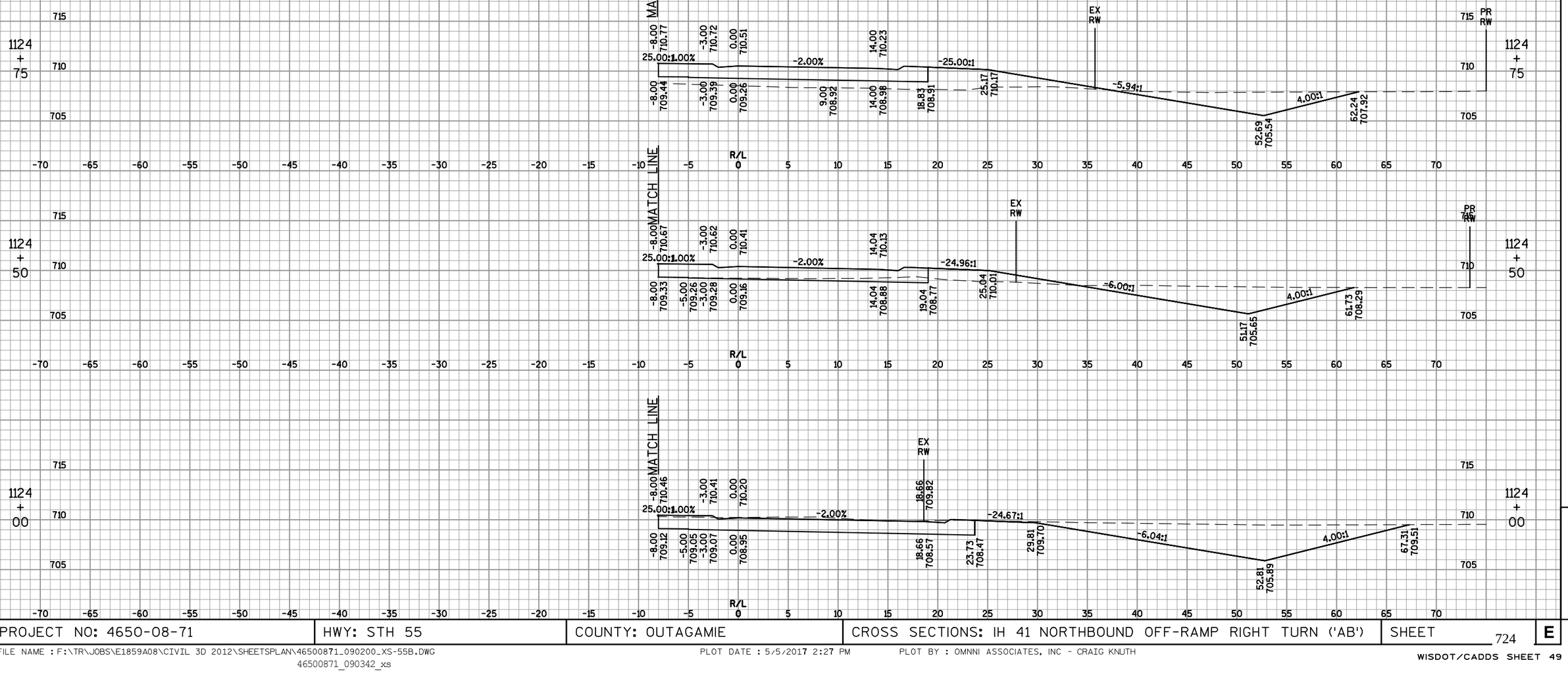

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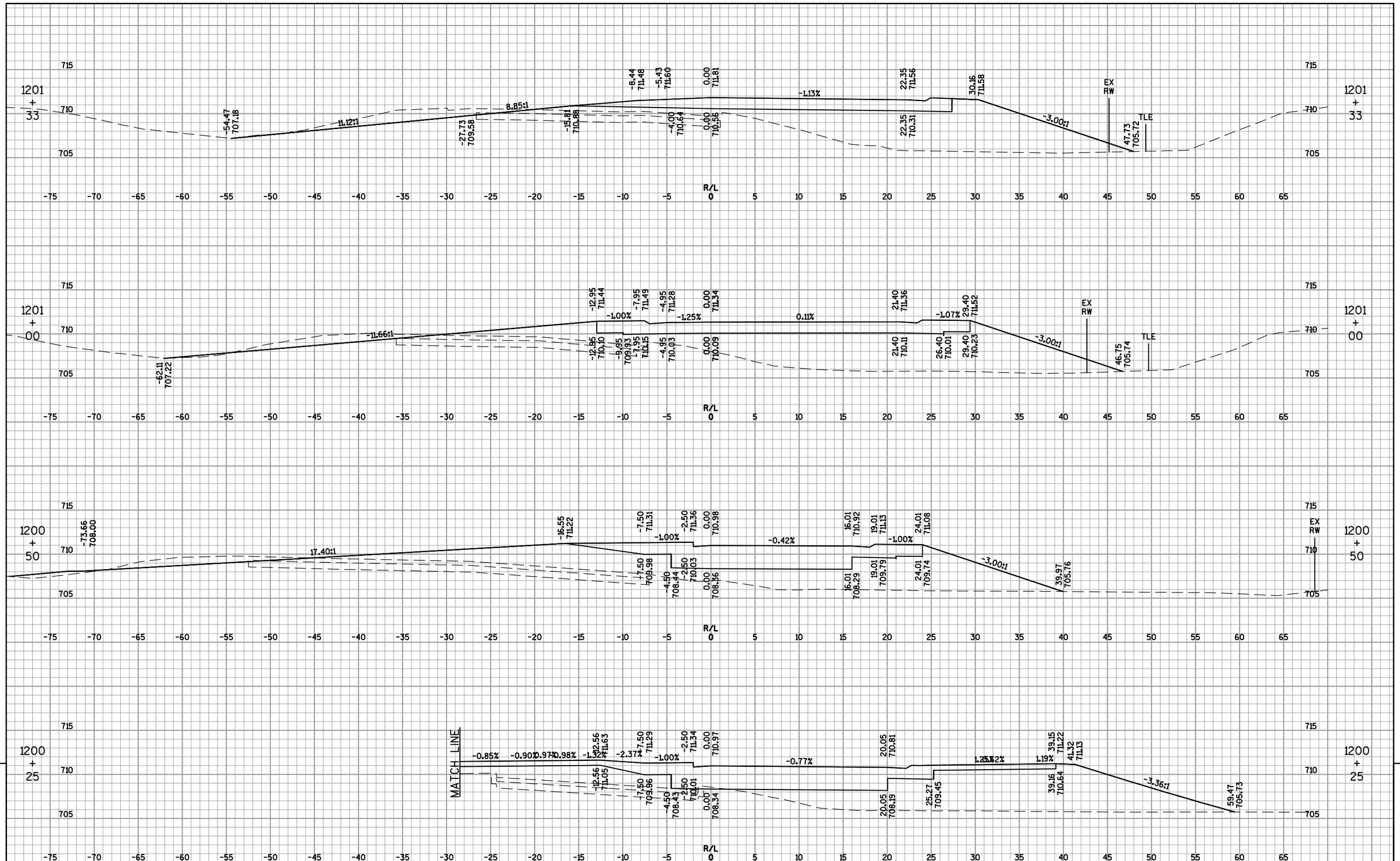
PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	CROSS SECTIONS: IH 41 NORTHBOUND OFF-RAMP RIGHT TURN ('AB')	SHEET 724	E



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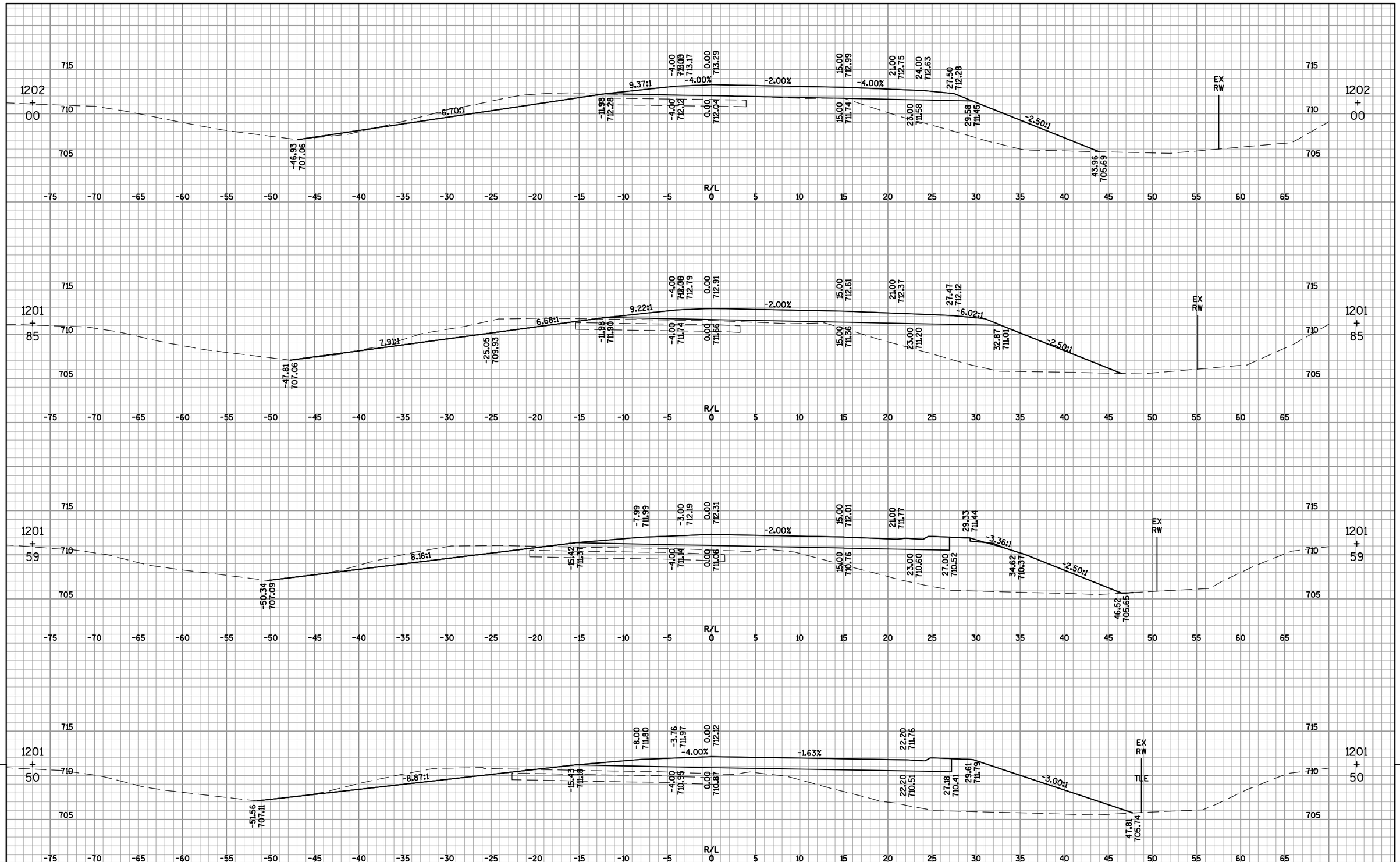
PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	CROSS SECTIONS: IH 41 NORTHBOUND ON-RAMP ('BB')	SHEET 725	E



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PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	CROSS SECTIONS: IH 41 NORTHBOUND ON-RAMP ('BB')	SHEET 726	E

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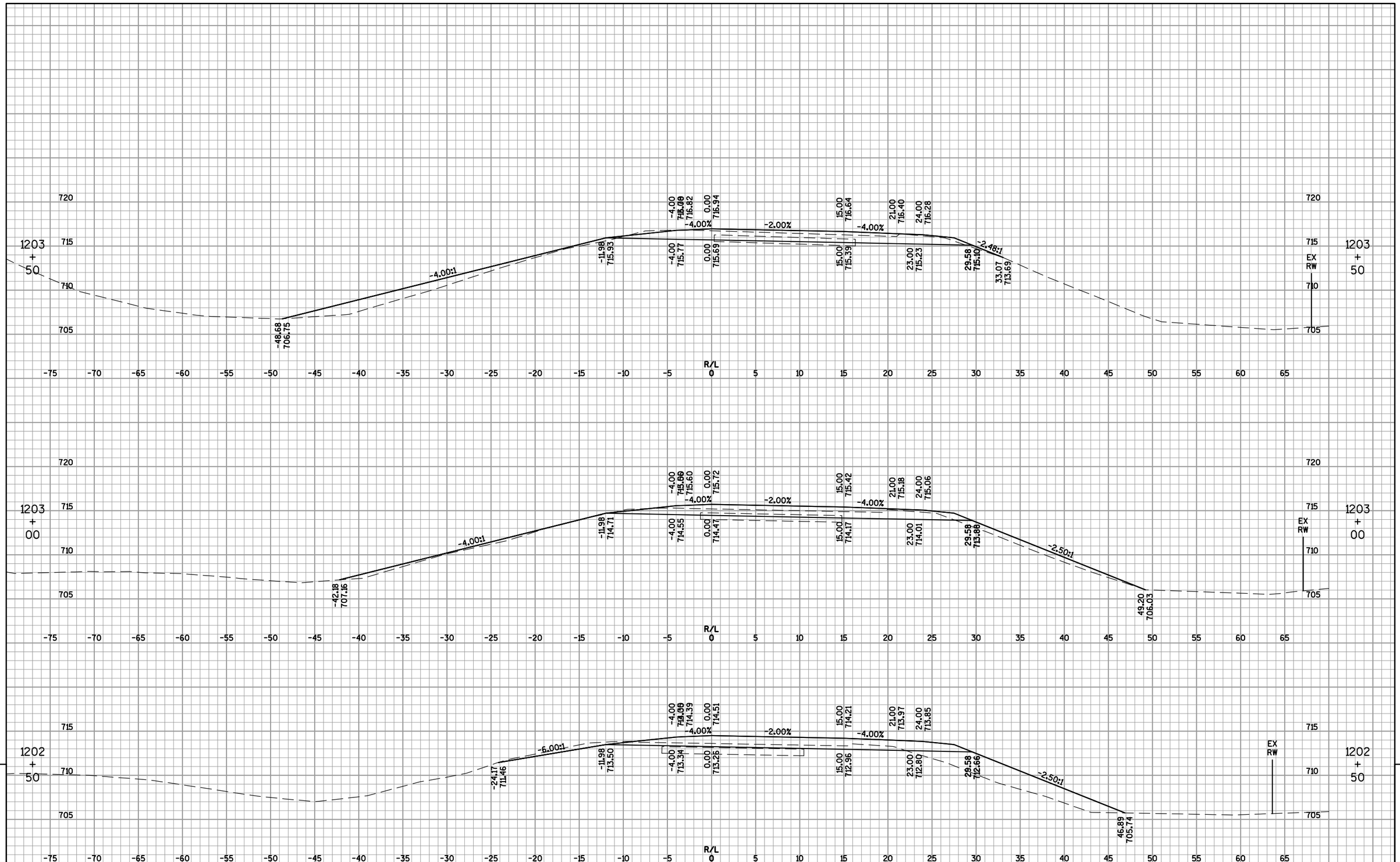
PLOT BY : OMNNI ASSOCIATES, INC - CRAIG KNUTH



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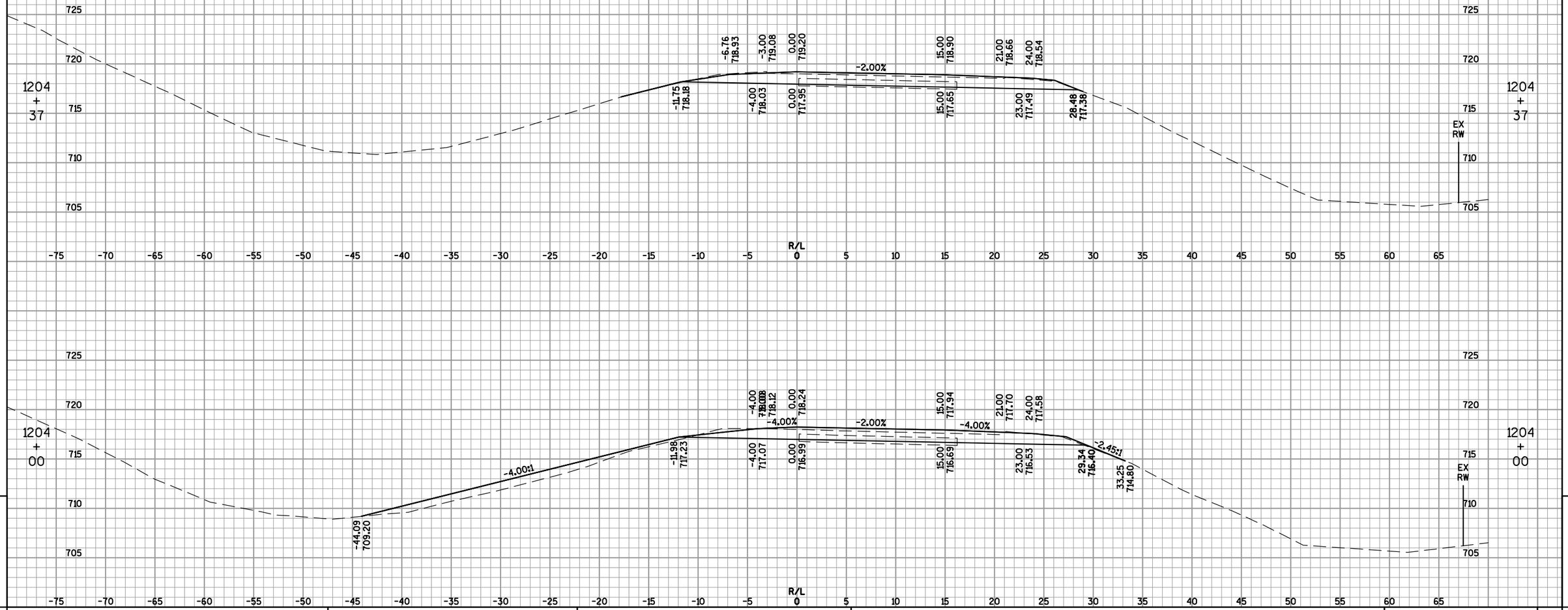

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PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	CROSS SECTIONS: IH 41 NORTHBOUND ON-RAMP ('BB')	SHEET 728	E

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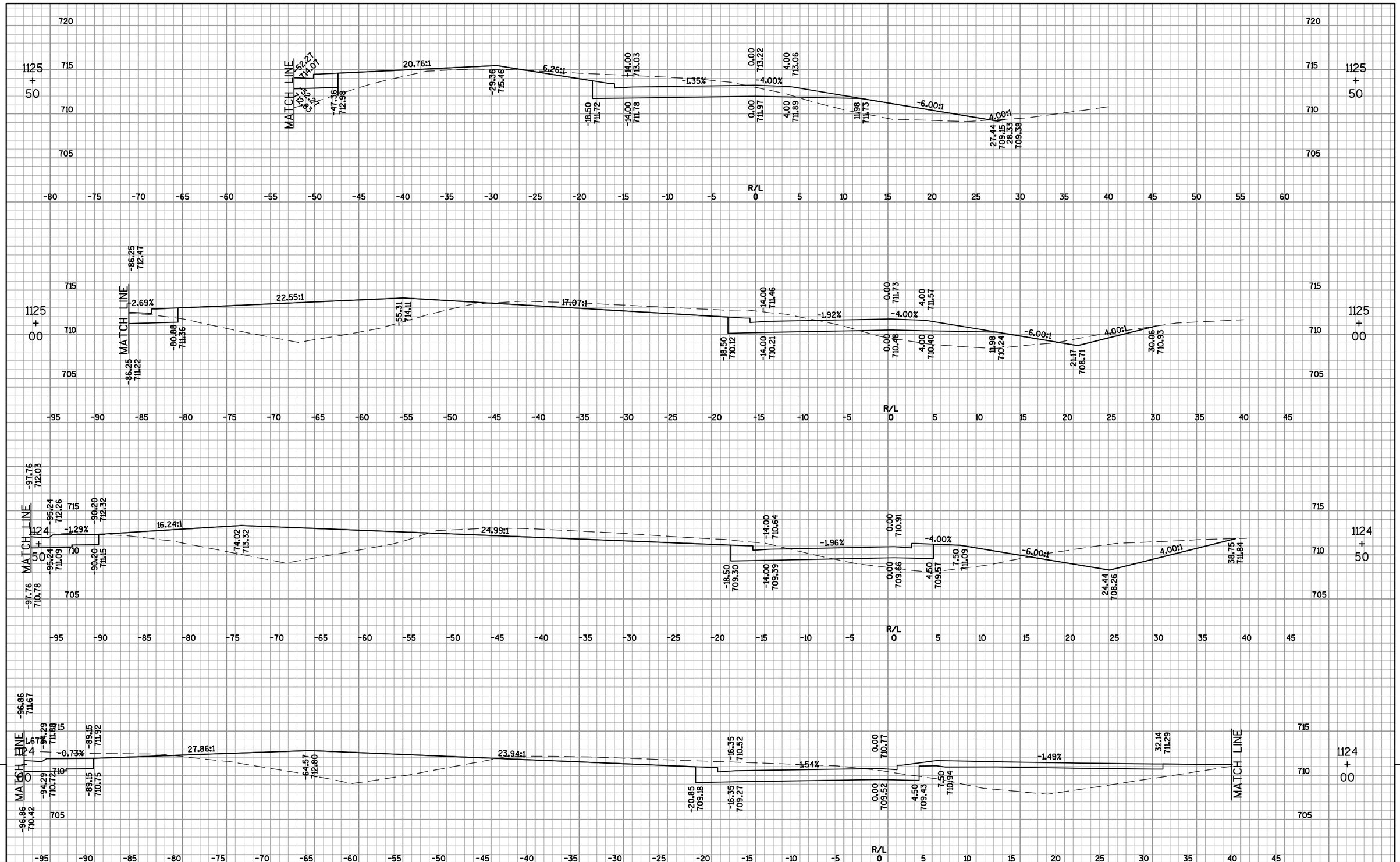

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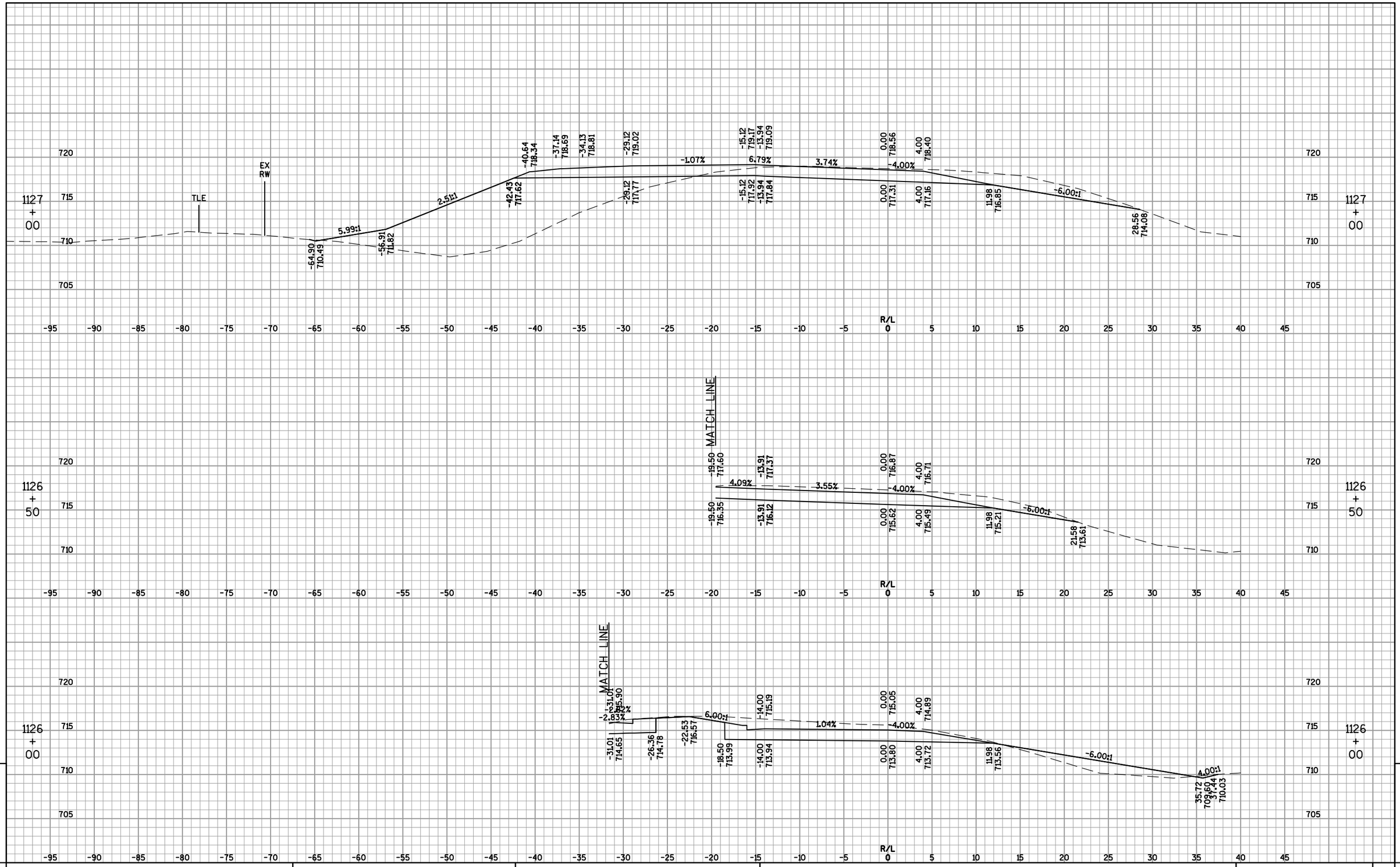

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PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	CROSS SECTIONS: IH 41 SOUTHBOUND OFF-RAMP ('CC')	SHEET 730	E

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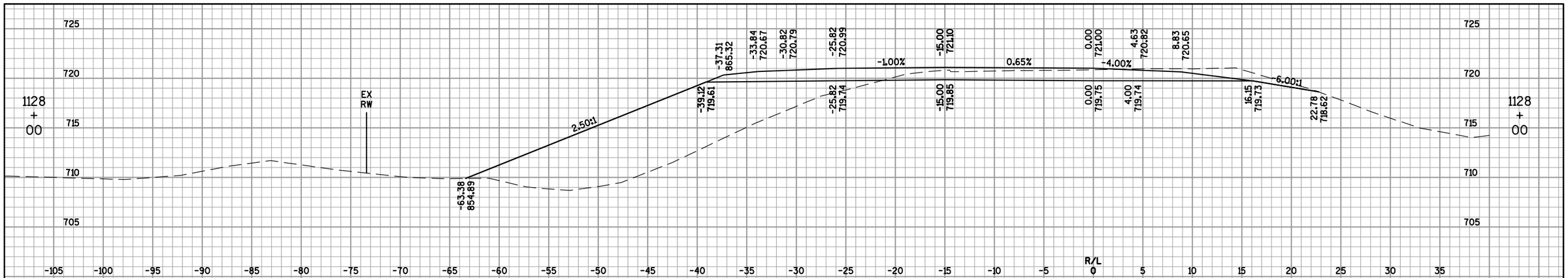
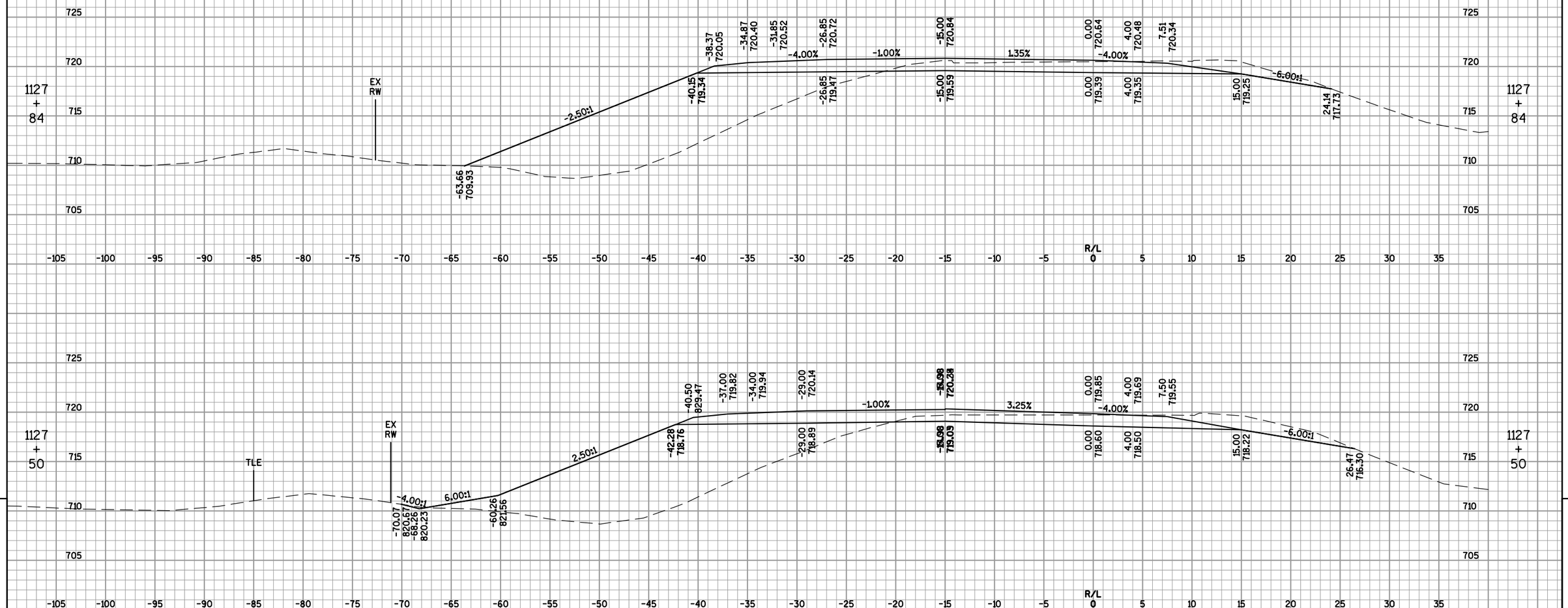
PLOT BY : OMNNI ASSOCIATES, INC - CRAIG KNUTH

WISDOT/CADDS SHEET 49





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PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	CROSS SECTIONS: IH 41 SOUTHBOUND OFF-RAMP ('CC')	SHEET 731	E

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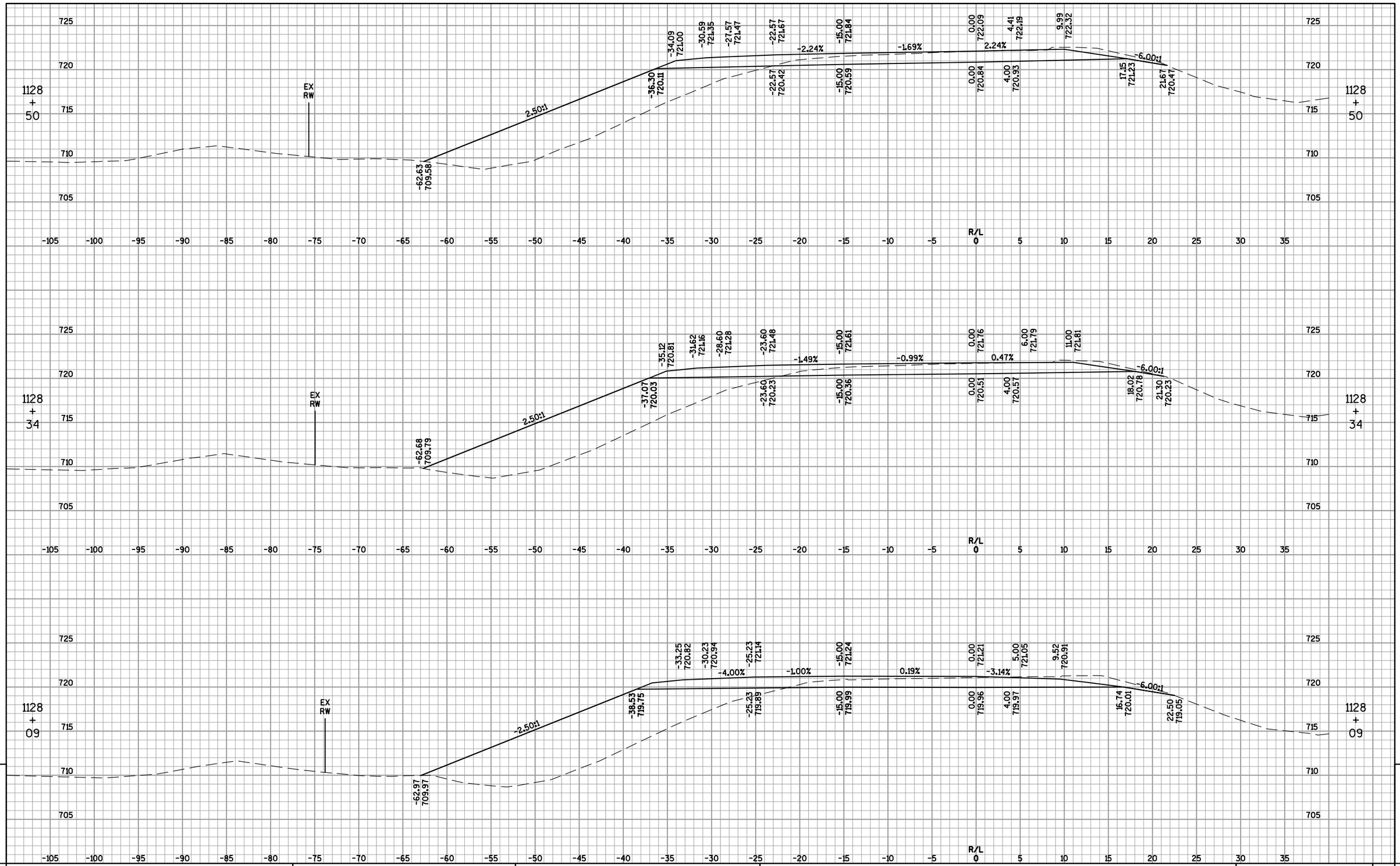
PLOT BY : OMNNI ASSOCIATES, INC - CRAIG KNUTH

WISDOT/CADDS SHEET 49



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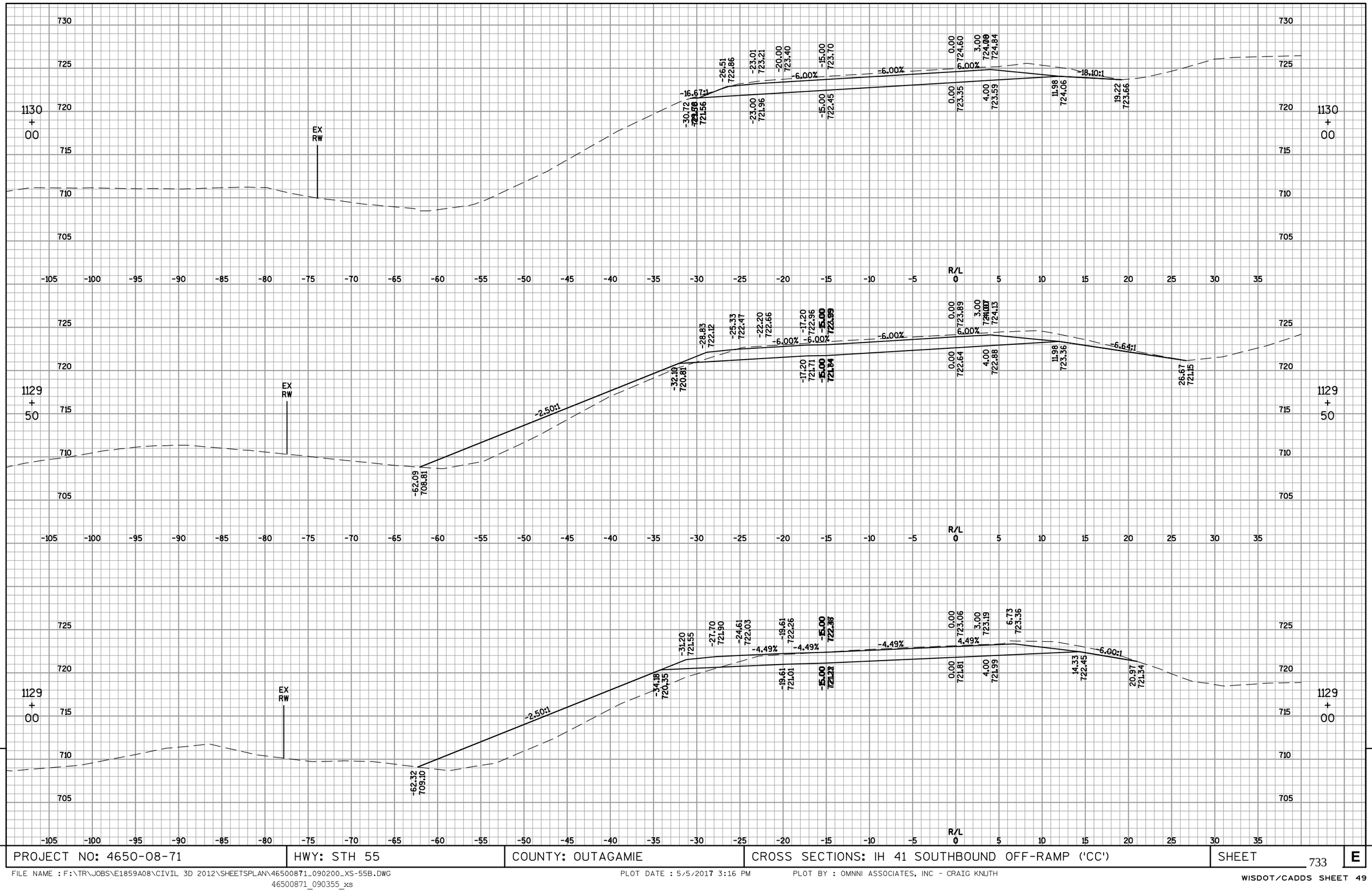
PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	CROSS SECTIONS: IH 41 SOUTHBOUND OFF-RAMP ('CC')	SHEET 732	E



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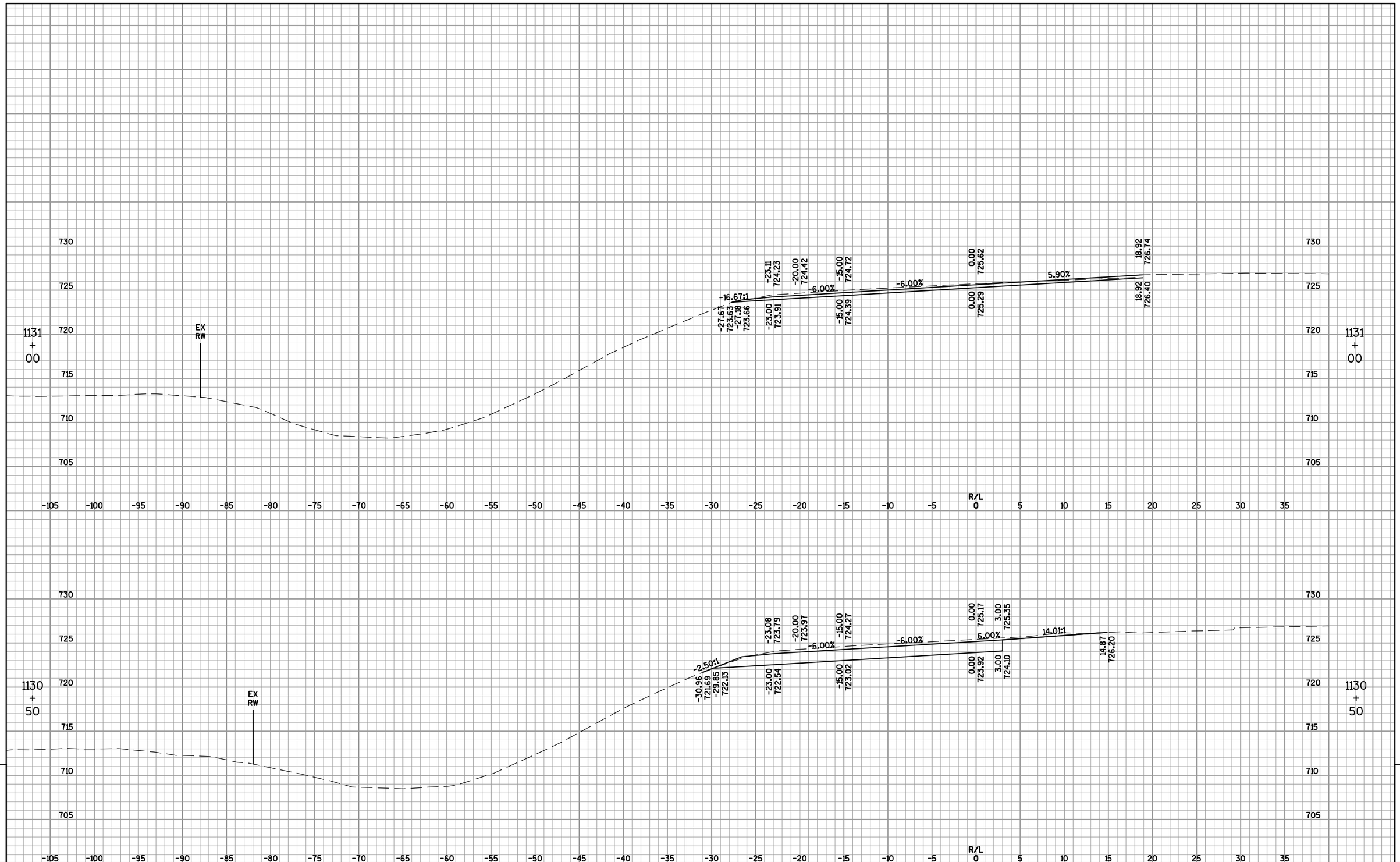

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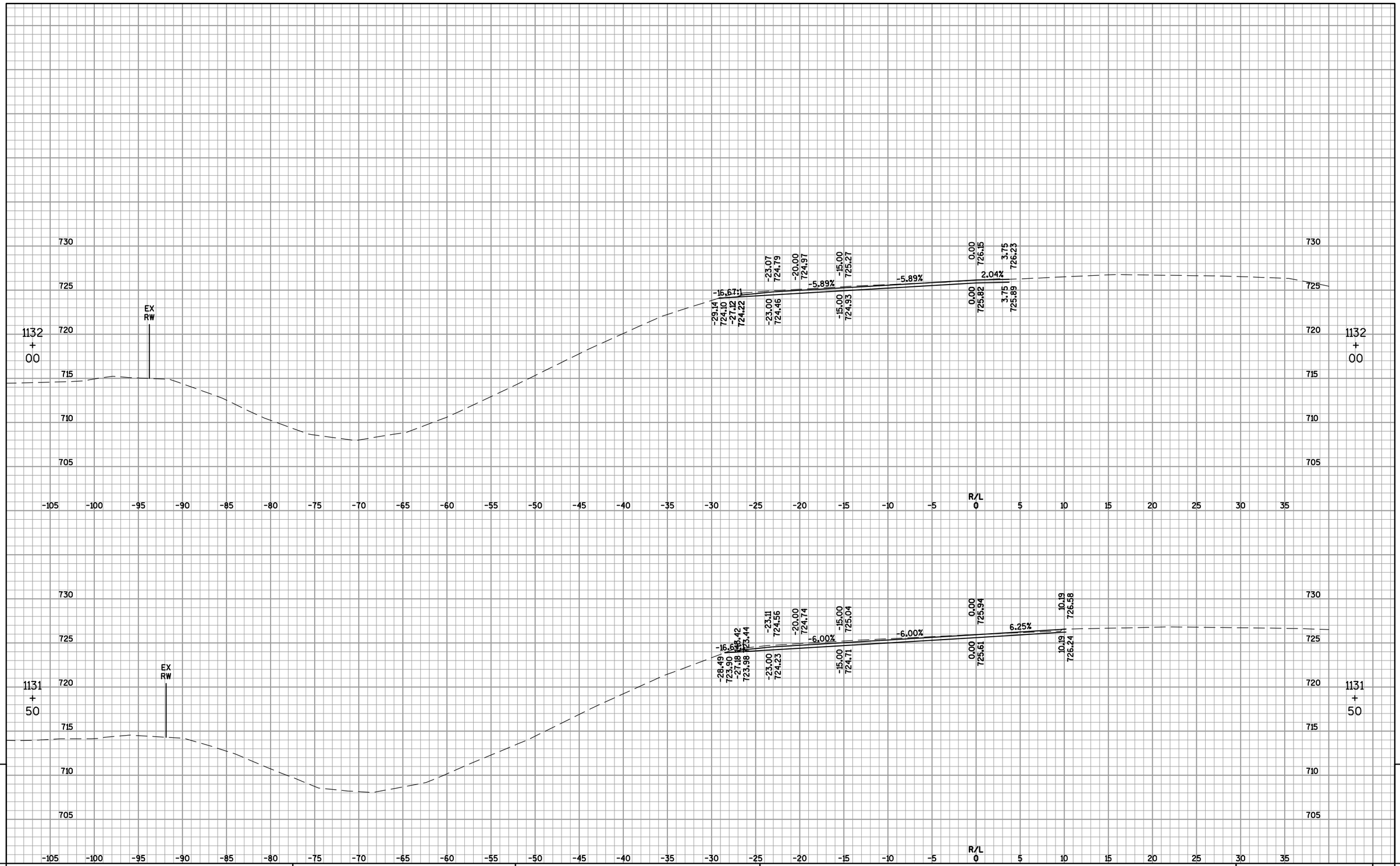
PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	CROSS SECTIONS: IH 41 SOUTHBOUND OFF-RAMP ('CC')	SHEET 734	E

9



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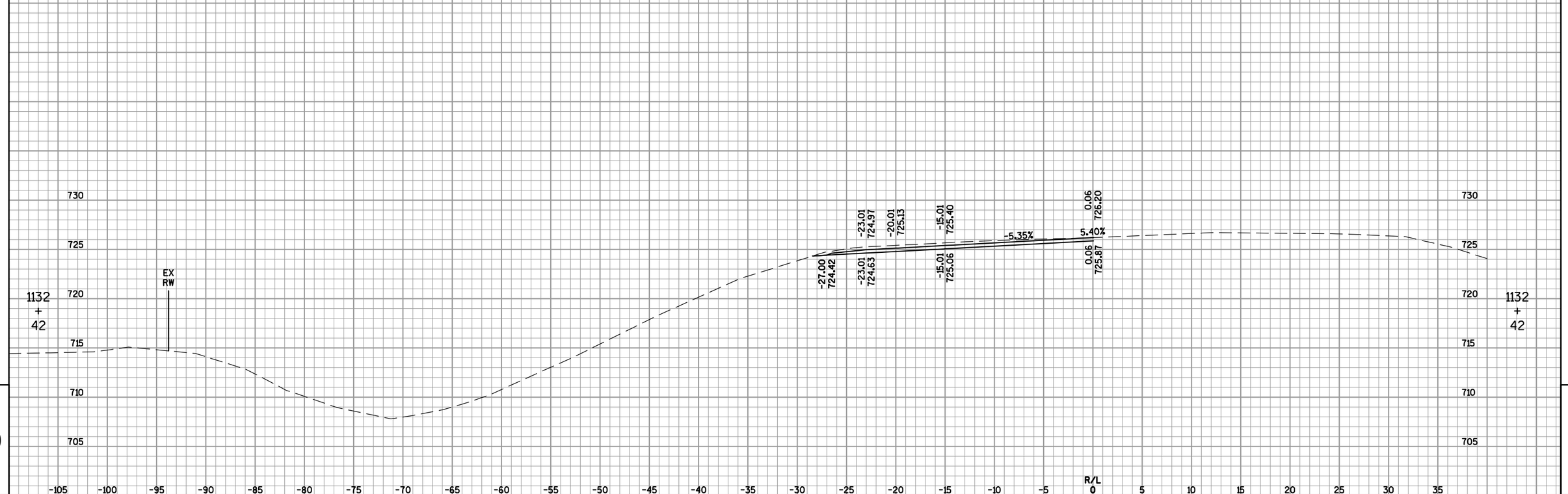
PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	CROSS SECTIONS: IH 41 SOUTHBOUND OFF-RAMP ('CC')	SHEET 735	E



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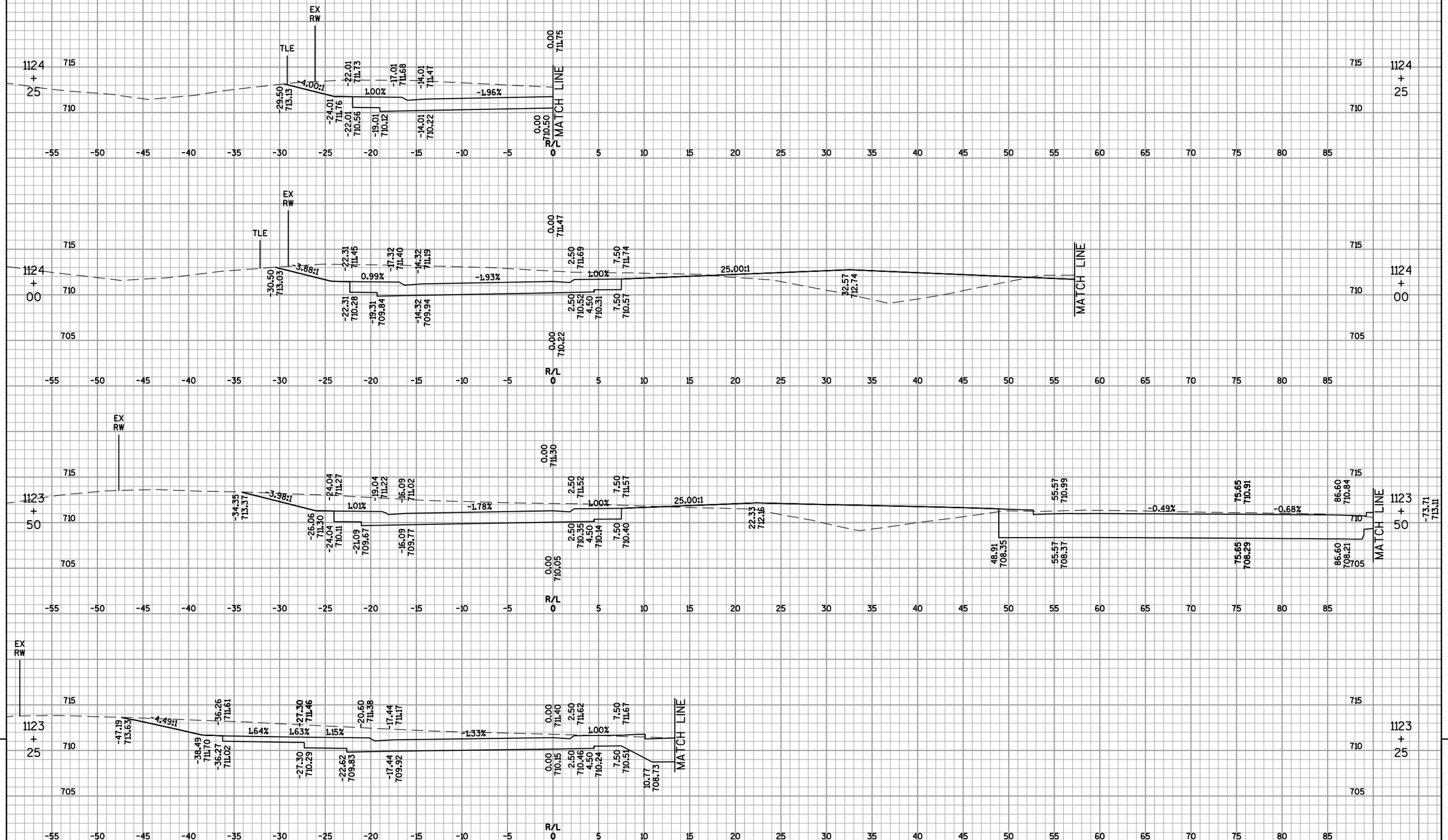
PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	CROSS SECTIONS: IH 41 SOUTHBOUND OFF-RAMP ('CC')	SHEET 736	E

FILE NAME : F:\TR\JOBS\E1859A08\CIVIL 3D 2012\SHEETSPLAN\46500871_090200_XS-55B.DWG
46500871_090358_xs

PLOT DATE : 5/5/2017 3:19 PM

PLOT BY : OMNNI ASSOCIATES, INC - CRAIG KNUTH

WISDOT/CADDS SHEET 49



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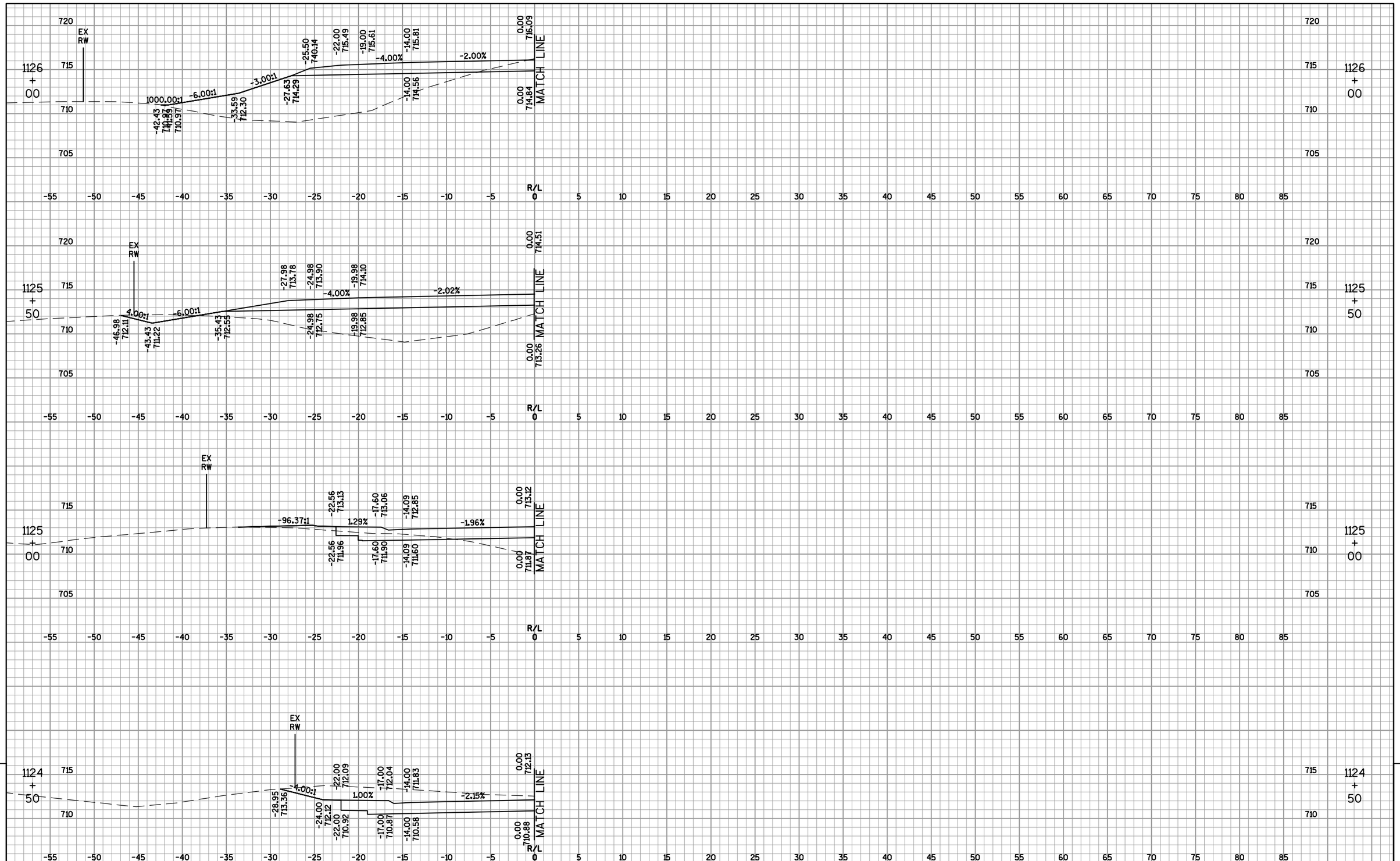
PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	CROSS SECTIONS: IH 41 SOUTHBOUND OFF-RAMP RIGHT TURN ('CA')	SHEET 737	E



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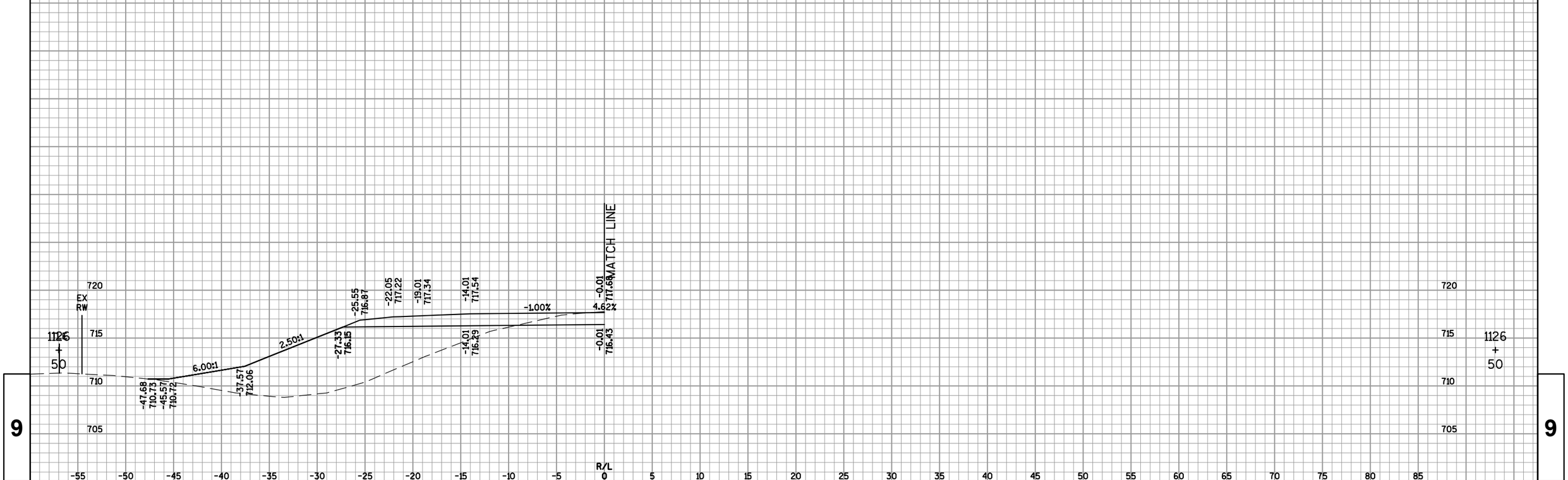
PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	CROSS SECTIONS: IH 41 SOUTHBOUND OFF-RAMP RIGHT TURN ('CA')	SHEET 738	E

FILE NAME : F:\TR\JOBS\E1859A08\CIVIL 3D 2012\SHEETSPLAN\46500871_090200_XS-55B.DWG
46500871_090362_xs
PLOT DATE : 5/5/2017 3:32 PM
PLOT BY : OMNNI ASSOCIATES, INC - CRAIG KNUTH
WISDOT/CADDS SHEET 49



PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	CROSS SECTIONS: IH 41 SOUTHBOUND OFF-RAMP RIGHT TURN ('CA')	SHEET 739 E

FILE NAME : F:\TR\JOBS\E1859A08\CIVIL 3D 2012\SHEETSPLAN\46500871_090200_XS-55B.DWG
46500871_090363_xs

PLOT DATE : 5/5/2017 3:33 PM

PLOT BY : OMNNI ASSOCIATES, INC - CRAIG KNUTH

EBS 0.15'
STA 1101+50 - 1116+50
TO MATCH TYPICAL
SECTION

1103 + 00

PR RW
EX RW
-50.23 710.37
-4.00:1
-42.62 708.46
6.00:1
-28.33 710.84
-15.89 711.19
-13.08 713.53
-9.89 713.66
-2.80%
0.00 714.93
0.00 714.93
MATCH LINE
-9.89 711.36
R/L 0
1103 + 00

1102 + 50

PR RW
EX RW
-51.22 710.37
-4.00:1
-42.97 708.31
6.00:1
-26.89 710.99
-15.93 711.30
-11.41 713.71
-9.93 713.76
-2.80%
0.00 714.04
0.00 714.04
MATCH LINE
-9.93 711.46
R/L 0
1102 + 50

1102 + 00

PR RW
EX RW
-53.41 710.33
-4.00:1
-44.71 708.16
6.01:1
-26.54 711.19
-15.93 711.48
-11.00 713.91
-9.93 713.95
-2.80%
0.00 714.03
0.00 714.03
MATCH LINE
-9.93 711.65
R/L 0
1102 + 00

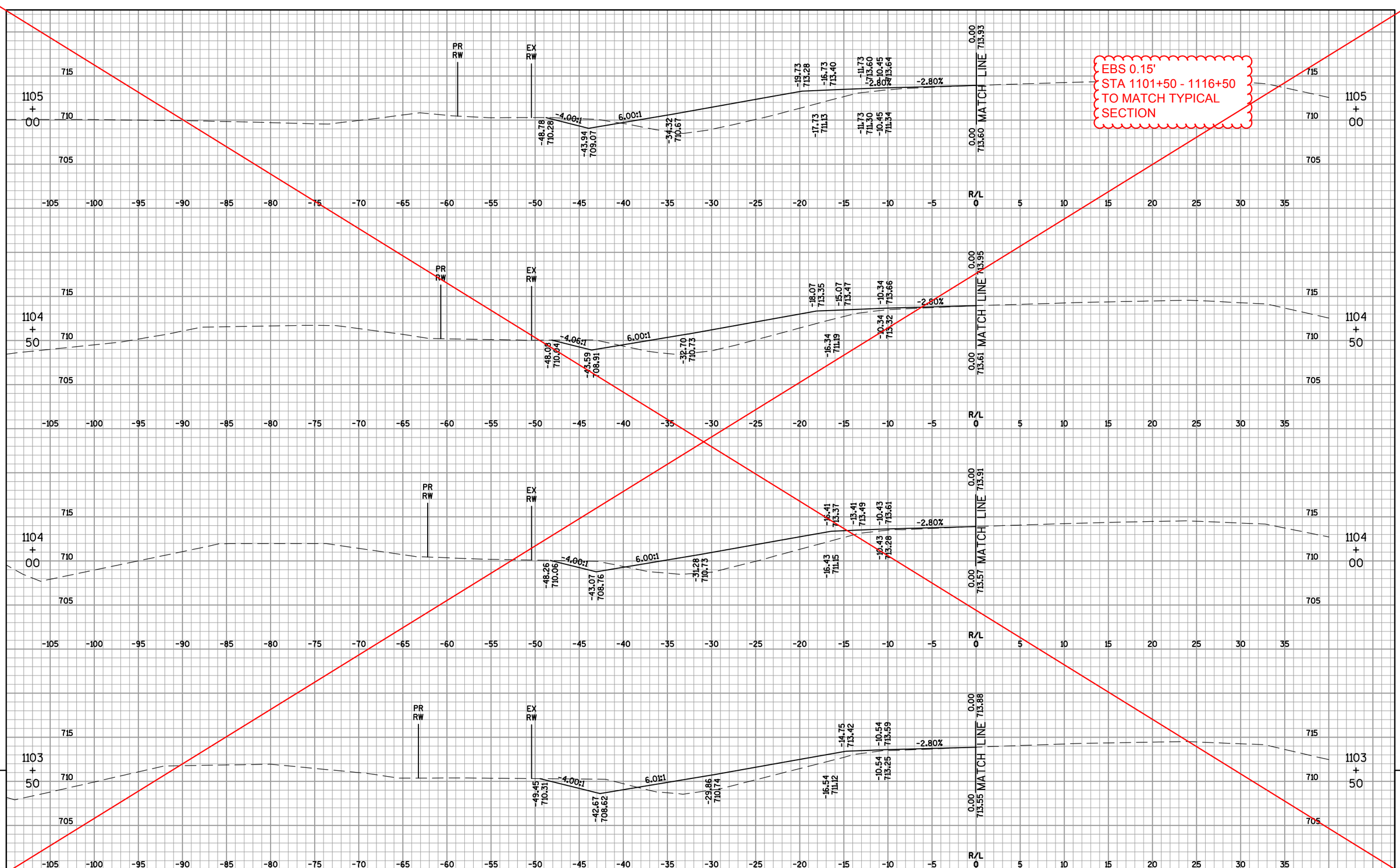
1101 + 50

PR RW
EX RW
-53.59 709.77
-4.00:1
-46.52 708.01
6.00:1
-26.53 711.34
-15.91 711.64
-11.00 714.06
-9.91 714.10
-2.80%
0.00 714.08
0.00 714.08
MATCH LINE
-9.91 711.80
R/L 0
1101 + 50

9

9

PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	CROSS SECTIONS: IH 41 SOUTHBOUND ON-RAMP ('DD')	SHEET 740	E



PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	CROSS SECTIONS: IH 41 SOUTHBOUND ON-RAMP ('DD')	SHEET 741	E

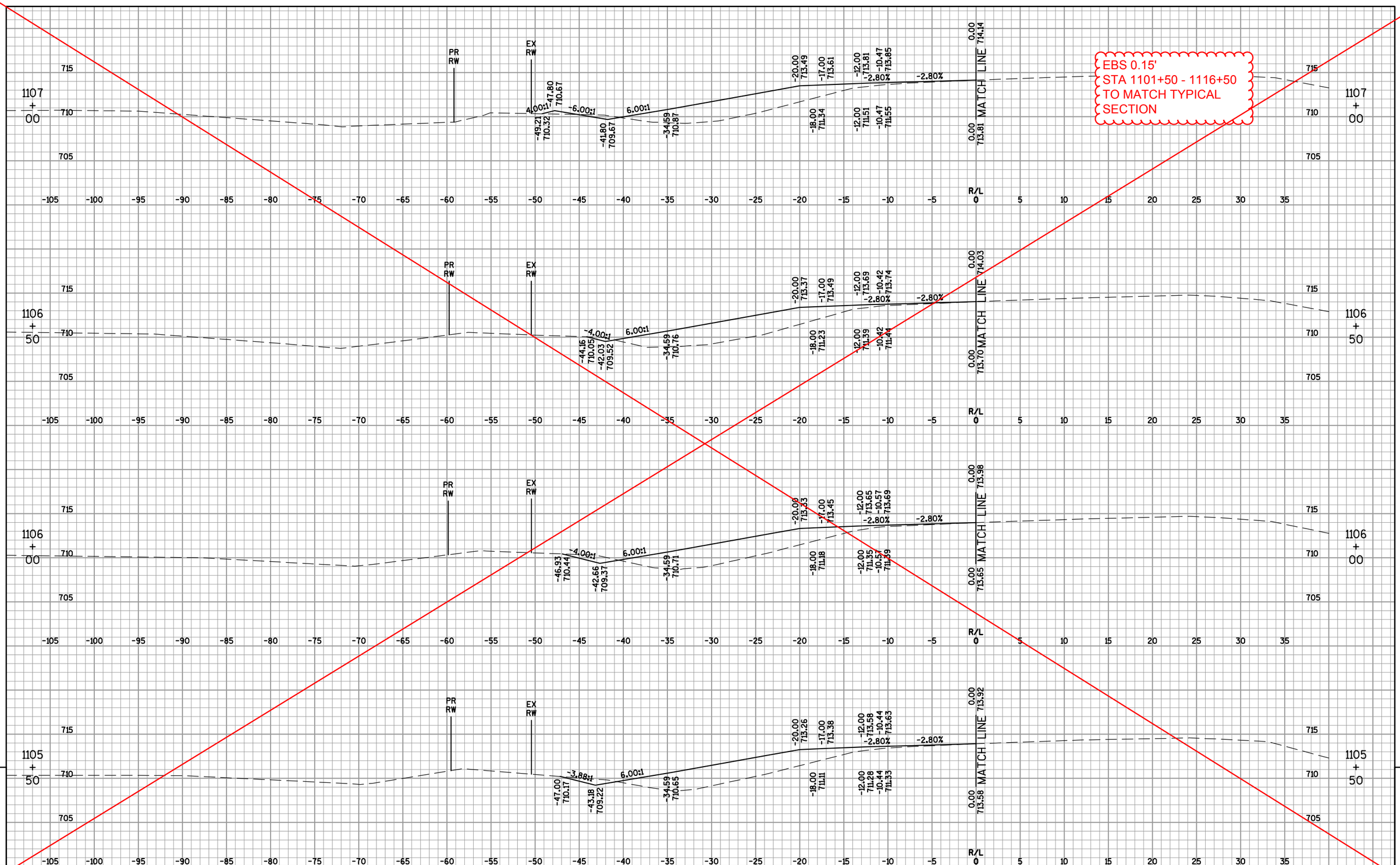
FILE NAME : F:\TR\JOBS\E1859A08\CIVIL 3D 2012\SHEETSPLAN\46500871_090200_XS-55B.DWG
46500871_090366_xs

PLOT DATE : 4/21/2017 5:30 PM

PLOT BY : OMNNI ASSOCIATES, INC - CRAIG KNUTH

WISDOT/CADDS SHEET 49

EBS 0.15'
STA 1101+50 - 1116+50
TO MATCH TYPICAL
SECTION



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PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	CROSS SECTIONS: IH 41 SOUTHBOUND ON-RAMP ('DD')	SHEET 742	E

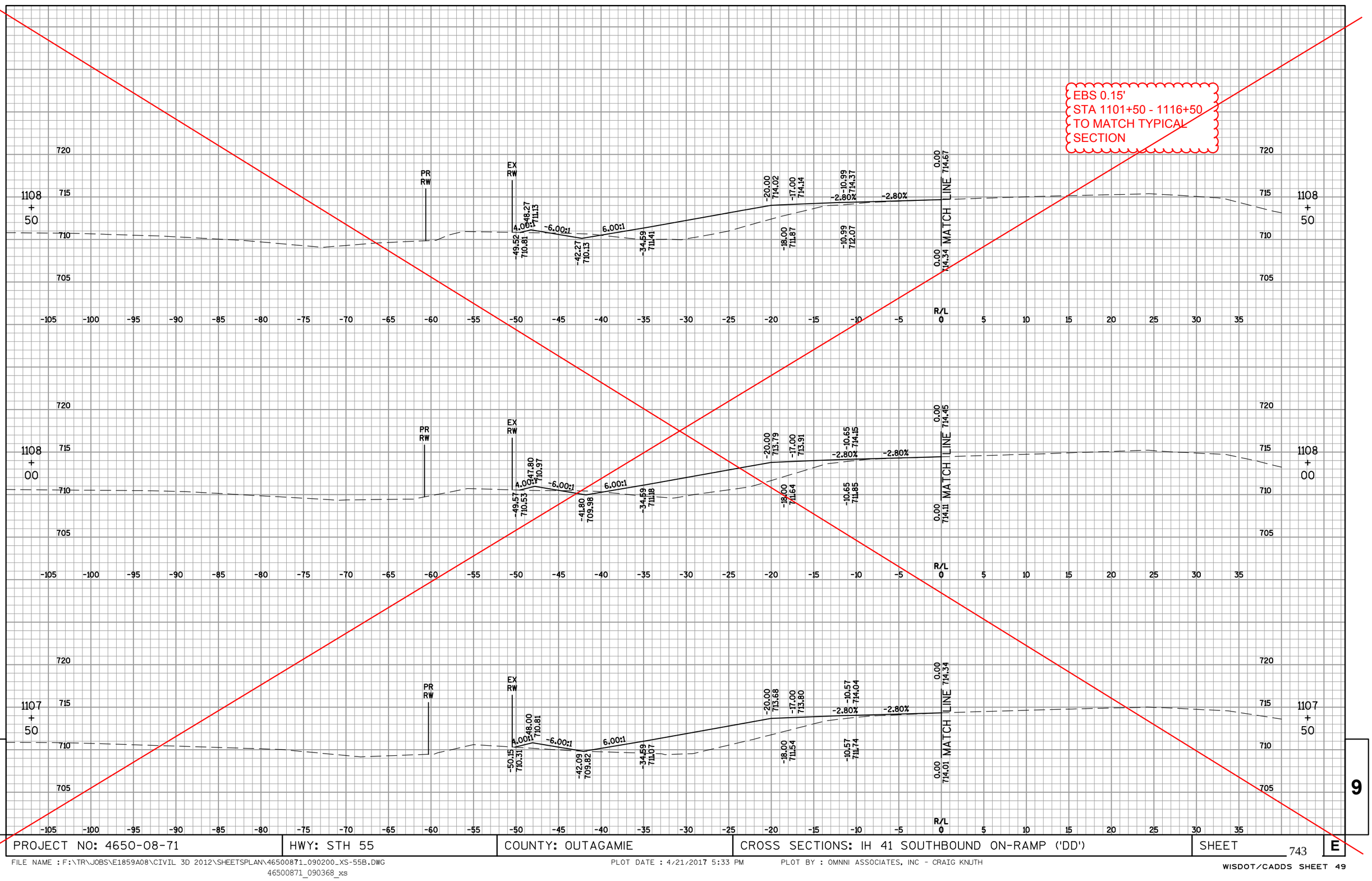
9

FILE NAME : F:\TR\JOBS\E1859A08\CIVIL 3D 2012\SHEETSPLAN\46500871_090200_XS-55B.DWG
46500871_090367_xs

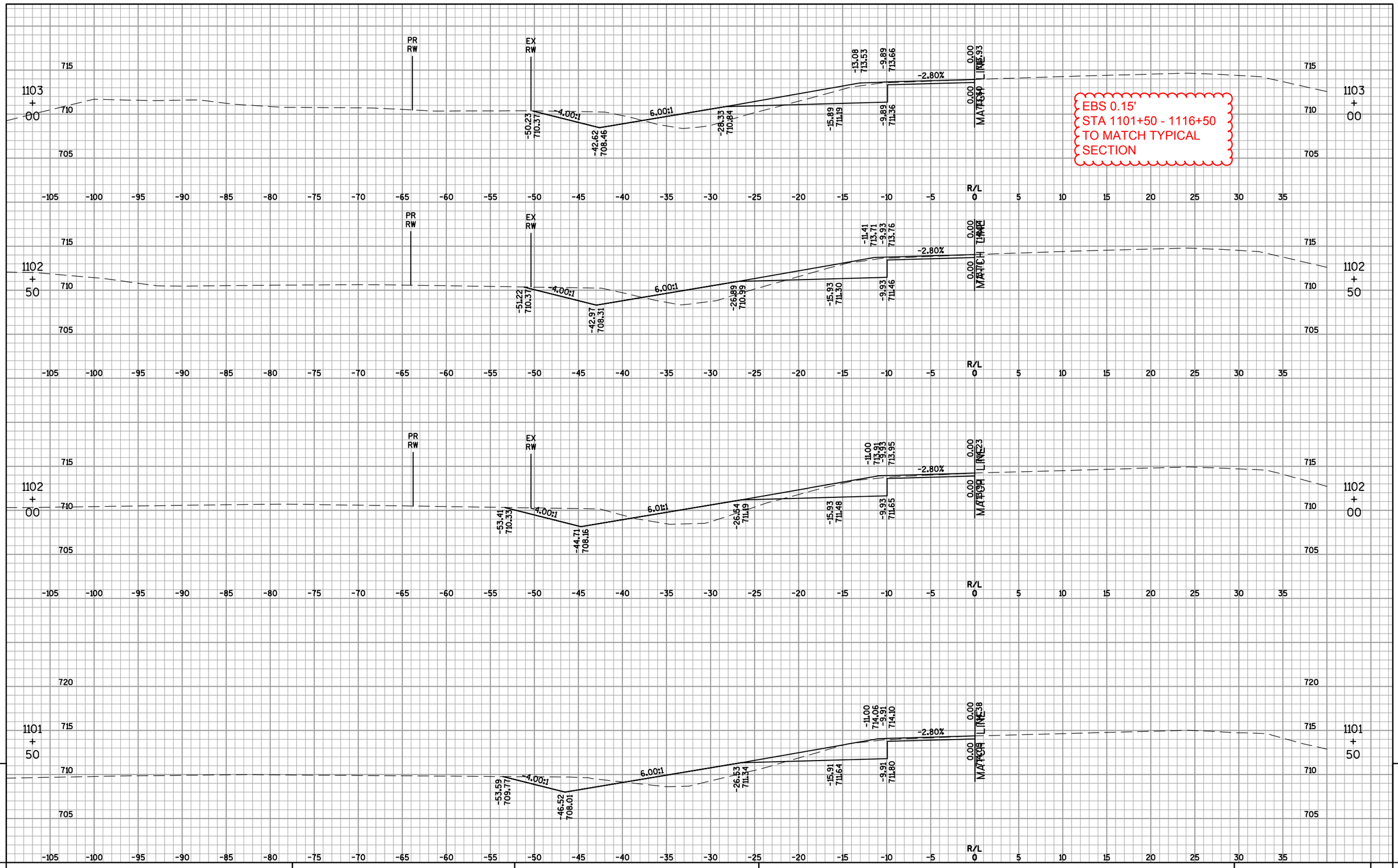
PLOT DATE : 4/21/2017 5:32 PM

PLOT BY : OMNNI ASSOCIATES, INC - CRAIG KNUTH

EBS 0.15'
STA 1101+50 - 1116+50
TO MATCH TYPICAL
SECTION



PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	CROSS SECTIONS: IH 41 SOUTHBOUND ON-RAMP ('DD')	SHEET 743 E



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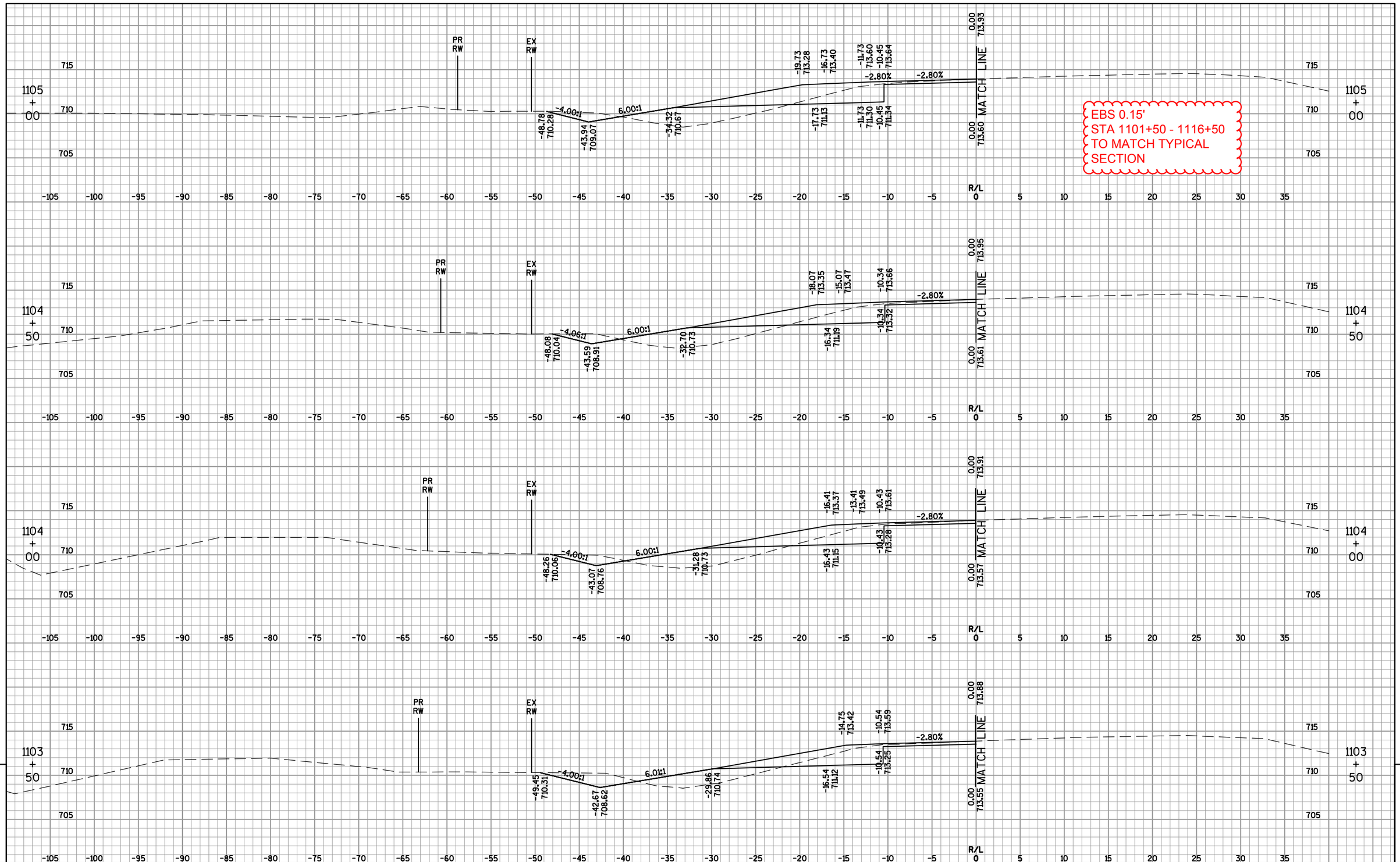
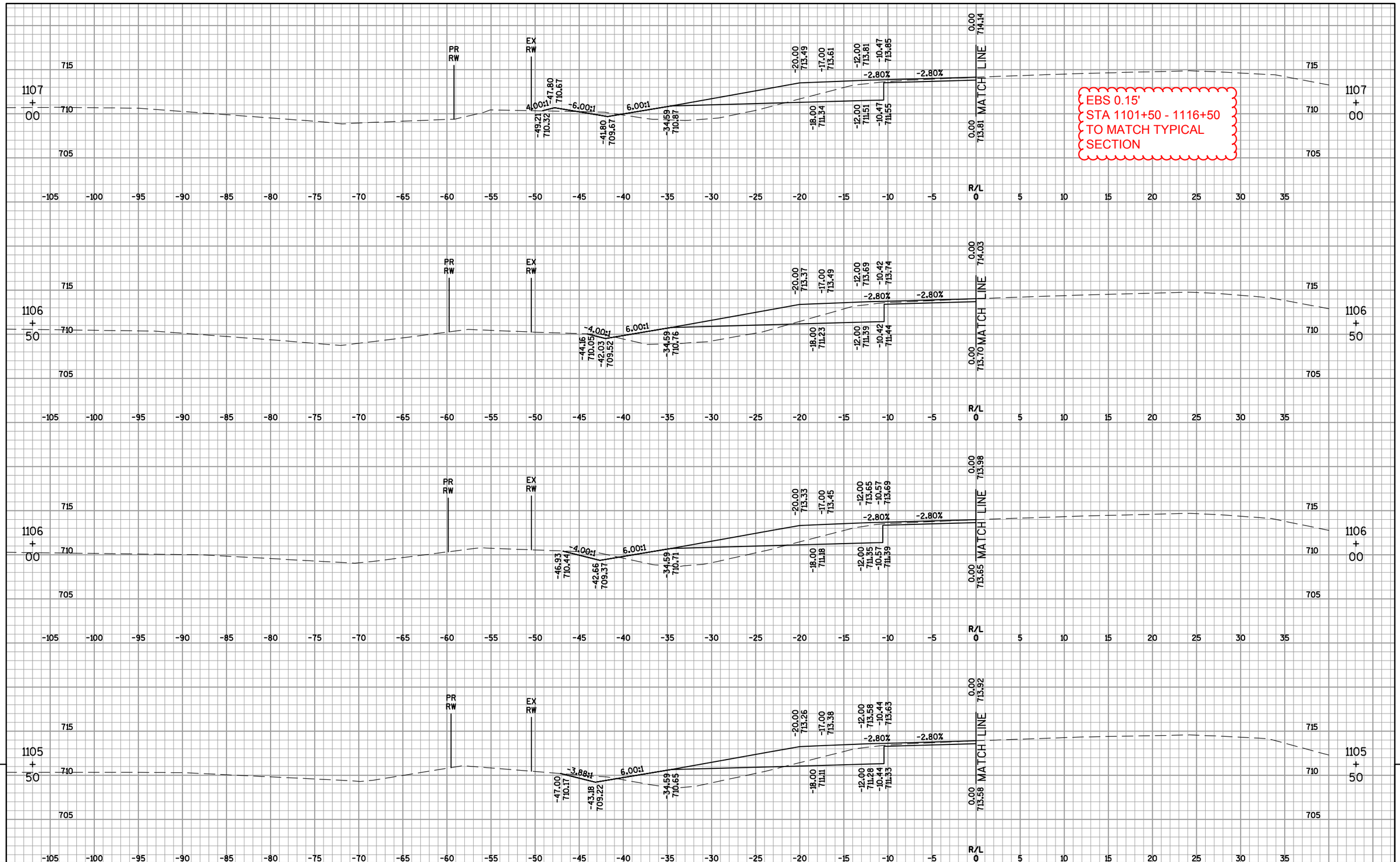
PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	CROSS SECTIONS: IH 41 SOUTHBOUND ON-RAMP ('DD')	SHEET 744	E


PR RW
EX RW
MATCH LINE
R/L
1105 + 00
1104 + 50
1104 + 00
1103 + 50
-4.00:1
6.00:1
-4.06:1
6.01:1
-2.80%
EBS 0.15'
STA 1101+50 - 1116+50
TO MATCH TYPICAL SECTION



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PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	CROSS SECTIONS: IH 41 SOUTHBOUND ON-RAMP ('DD')	SHEET 746	E

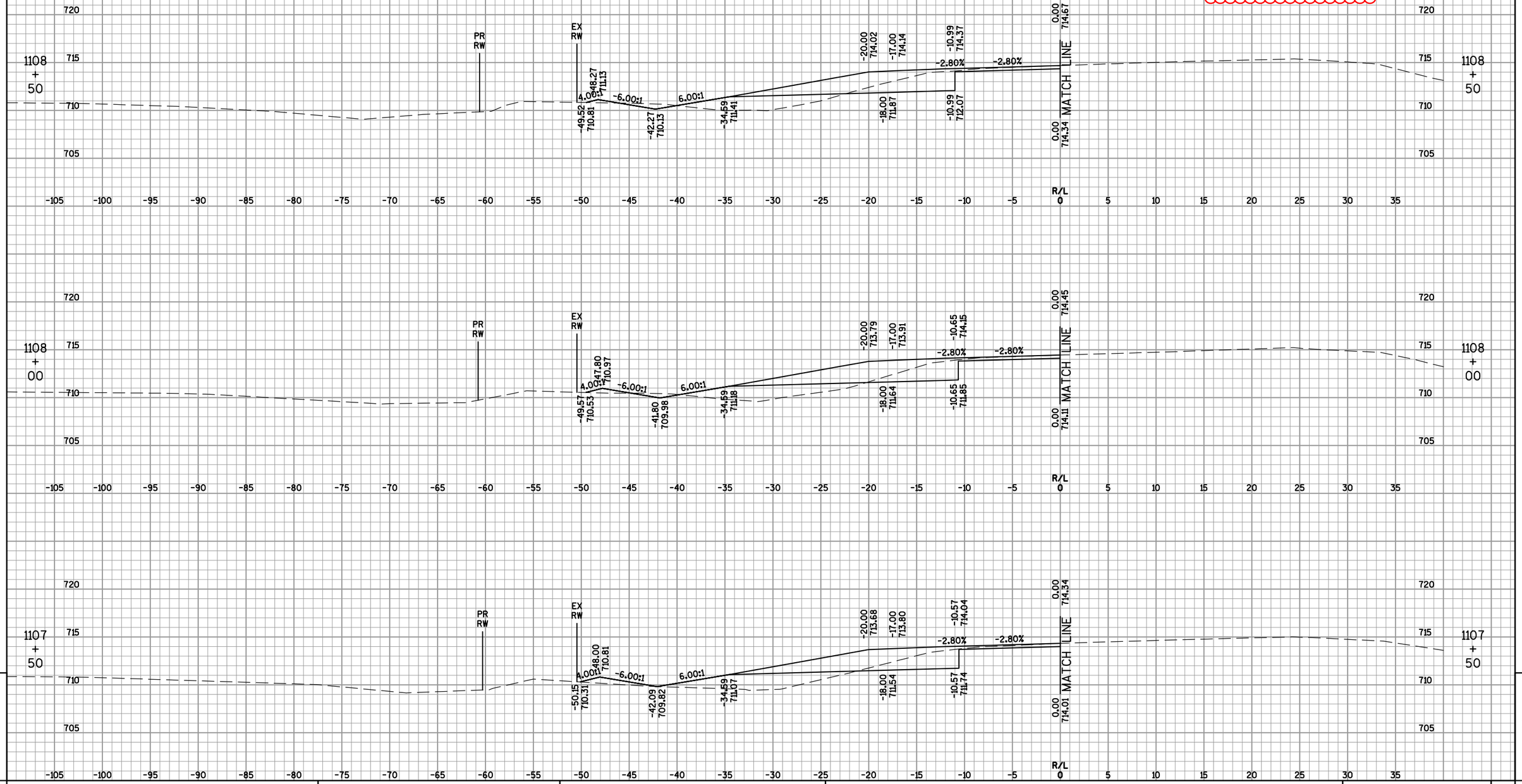
9

FILE NAME : F:\TR\JOBS\E1859A08\CIVIL 3D 2012\SHEETSPLAN\46500871_090200_XS-55B.DWG
46500871_090367_xs

PLOT DATE : 5/5/2017 3:54 PM

PLOT BY : OMNNI ASSOCIATES, INC - CRAIG KNUTH

EBS 0.15'
STA 1101+50 - 1116+50
TO MATCH TYPICAL
SECTION



9 9

PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	CROSS SECTIONS: IH 41 SOUTHBOUND ON-RAMP ('DD')	SHEET 747	E

EBS 0.15'
STA 1101+50 - 1116+50
TO MATCH TYPICAL
SECTION

9

PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	CROSS SECTIONS: IH 41 SOUTHBOUND ON-RAMP ('DD')	SHEET 748	E

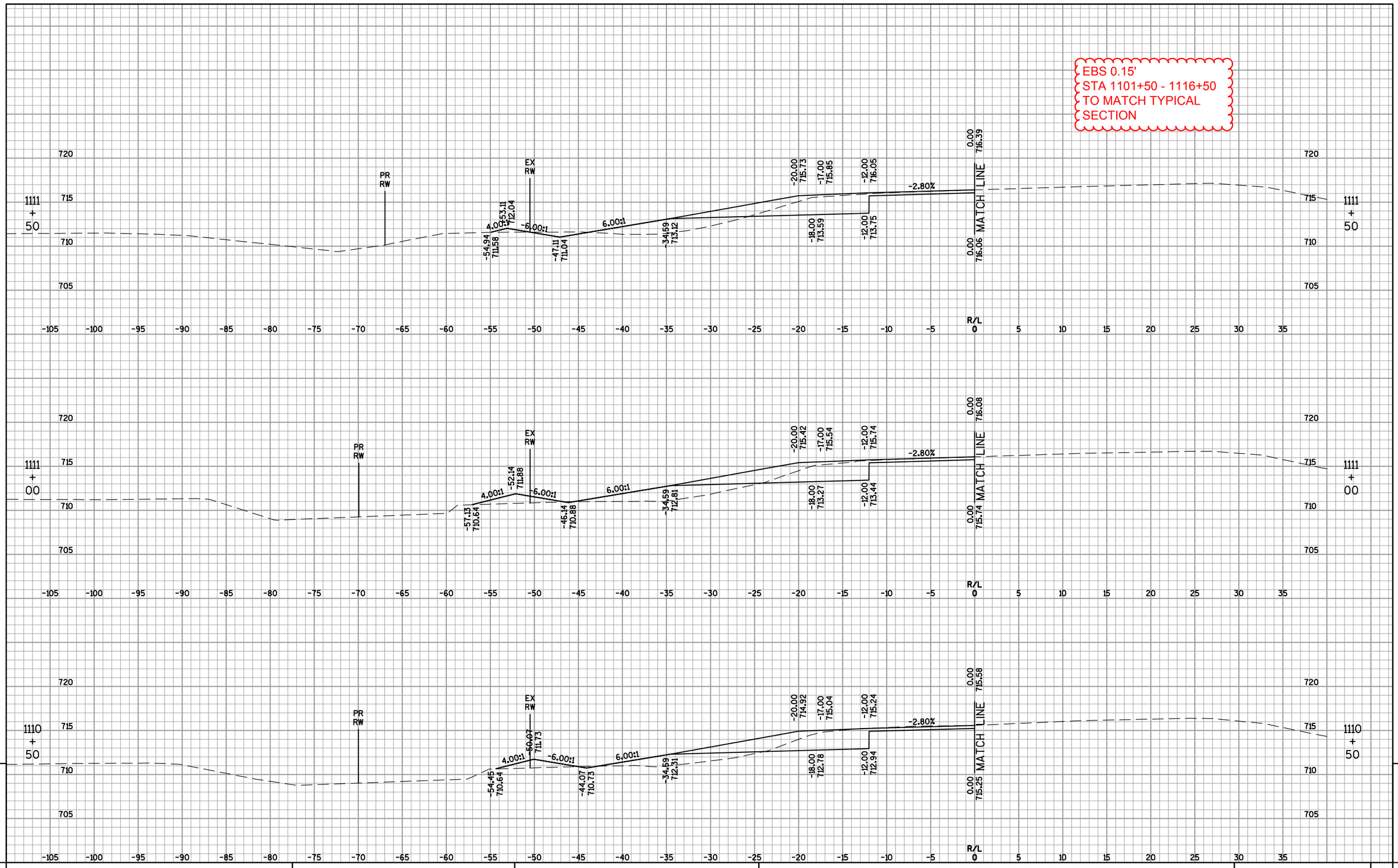
9

FILE NAME : F:\TR\JOBS\E1859A08\CIVIL 3D 2012\SHEETSPLAN\46500871_090200_XS-55B.DWG
46500871_090369_xs

PLOT DATE : 5/5/2017 3:57 PM

PLOT BY : OMNNI ASSOCIATES, INC - CRAIG KNUTH

EBS 0.15'
STA 1101+50 - 1116+50
TO MATCH TYPICAL
SECTION



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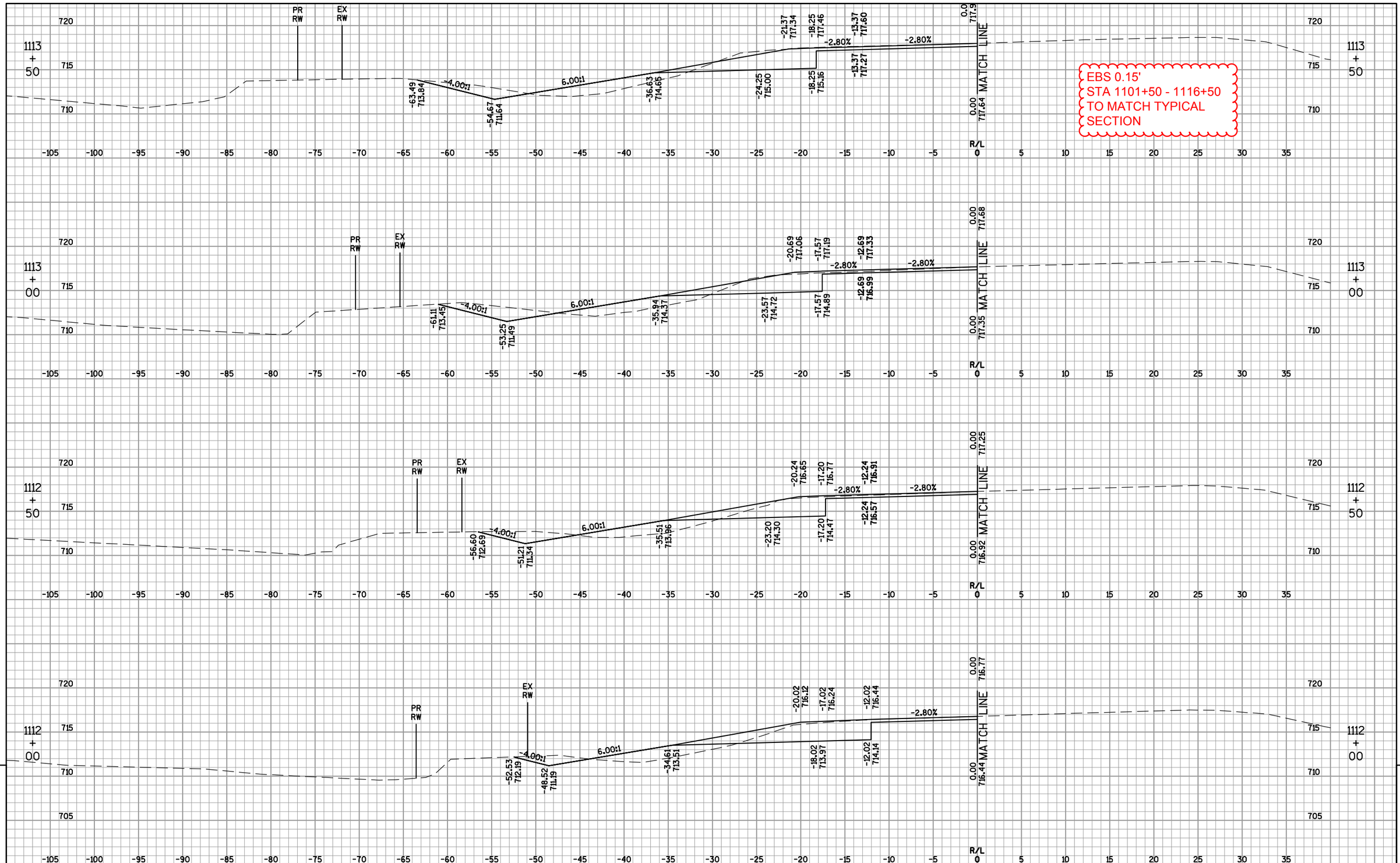
PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	CROSS SECTIONS: IH 41 SOUTHBOUND ON-RAMP ('DD')	SHEET 749	E

9



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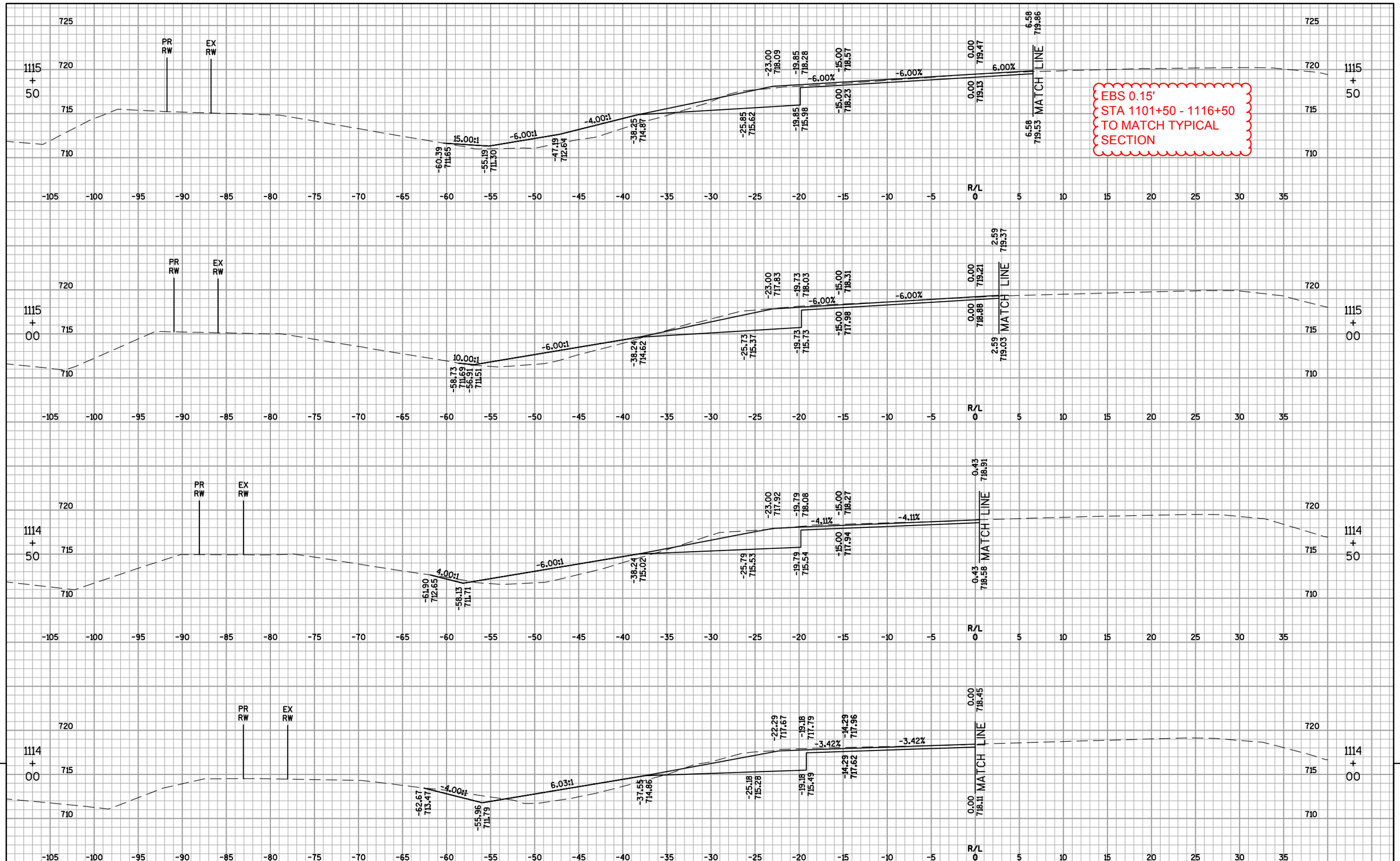
9

PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	CROSS SECTIONS: IH 41 SOUTHBOUND ON-RAMP ('DD')	SHEET 750	E



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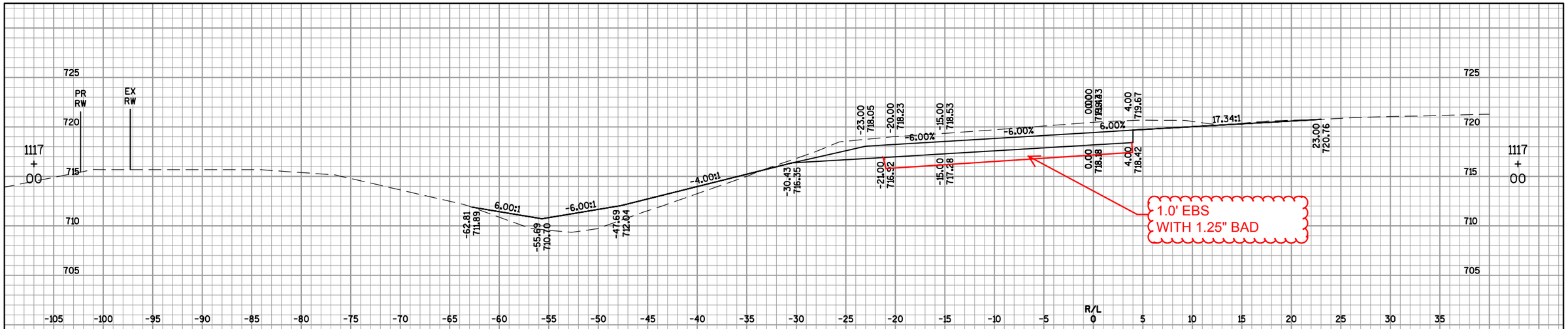

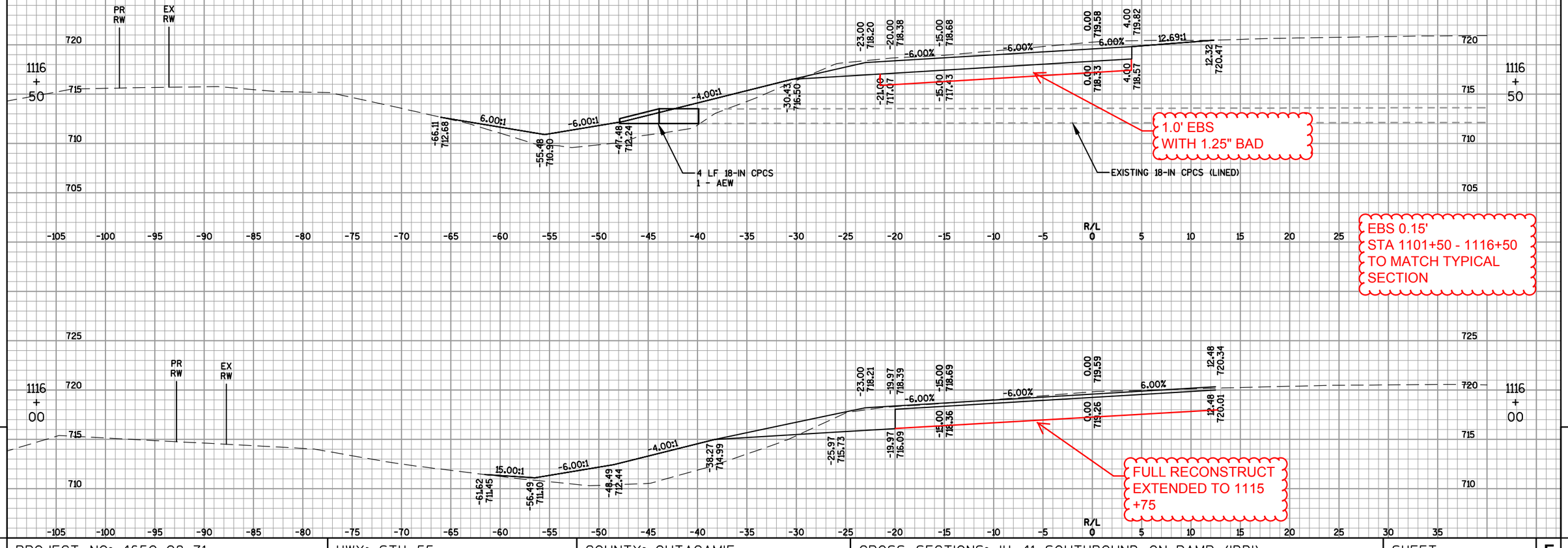

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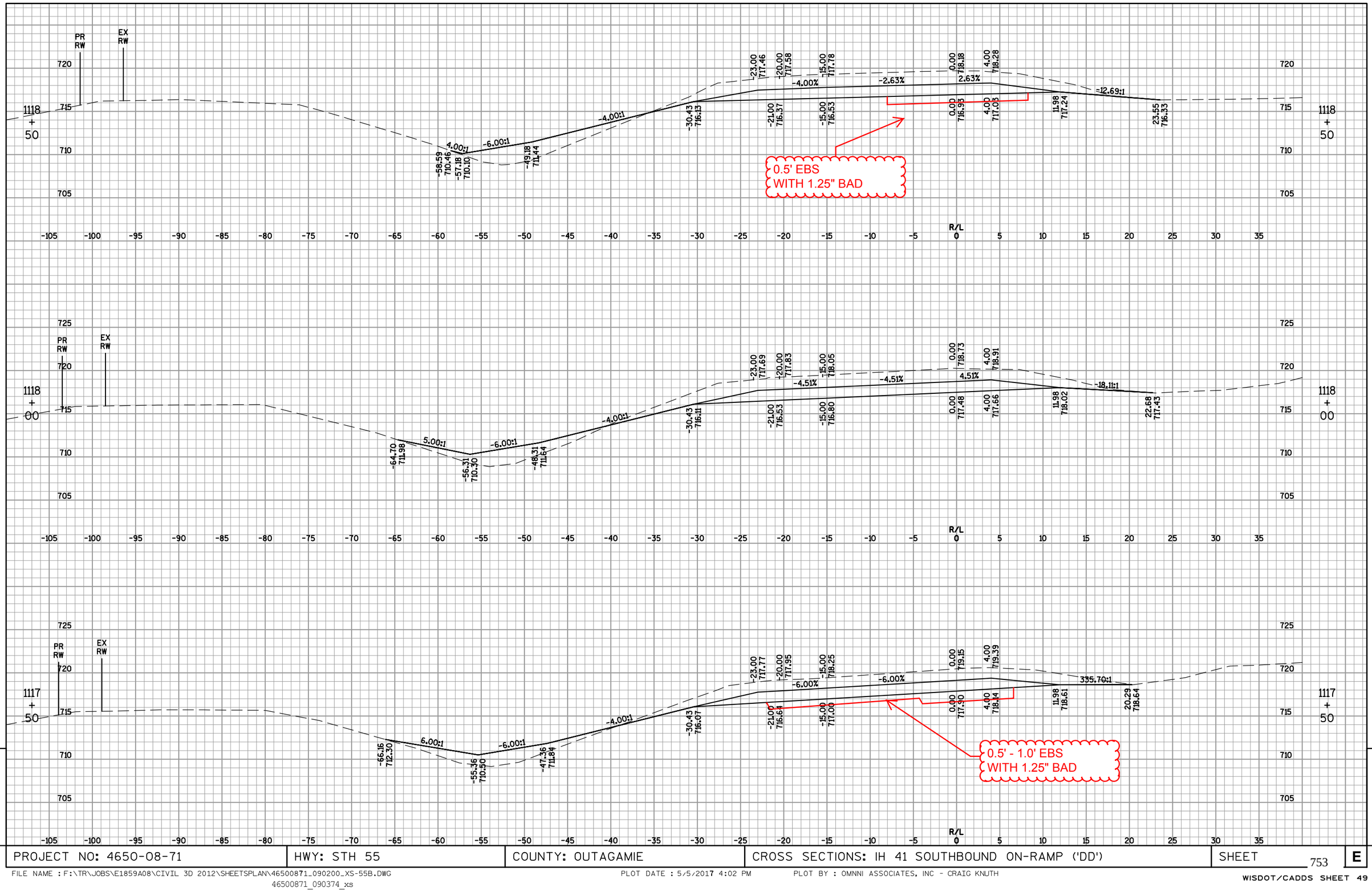
9

PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	CROSS SECTIONS: IH 41 SOUTHBOUND ON-RAMP ('DD')	SHEET 752	E



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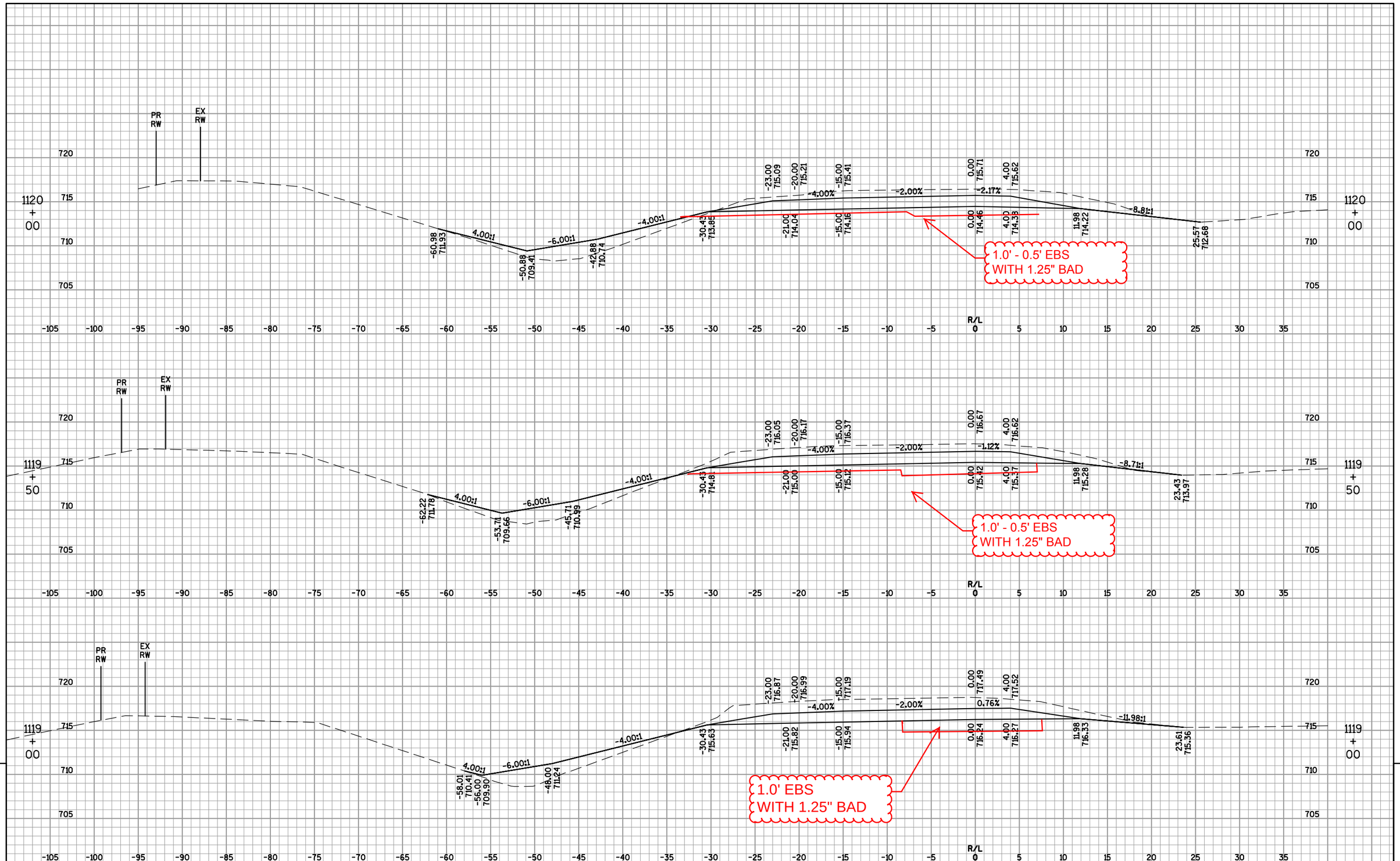
PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	CROSS SECTIONS: IH 41 SOUTHBOUND ON-RAMP ('DD')	SHEET 753	E



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PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	CROSS SECTIONS: IH 41 SOUTHBOUND ON-RAMP ('DD')	SHEET 754	E

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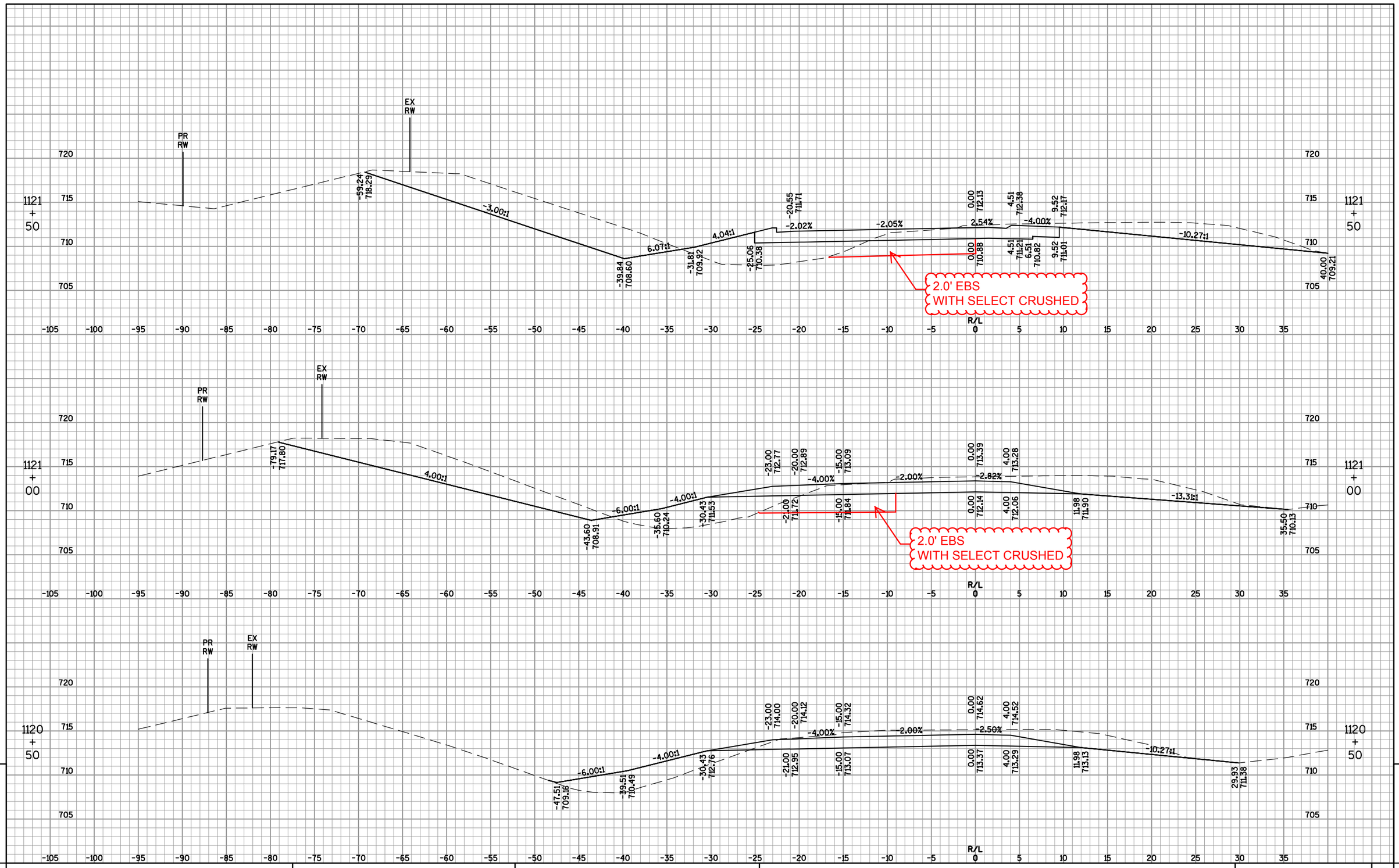
PLOT DATE : 5/5/2017 4:03 PM

PLOT BY : OMNNI ASSOCIATES, INC - CRAIG KNUTH



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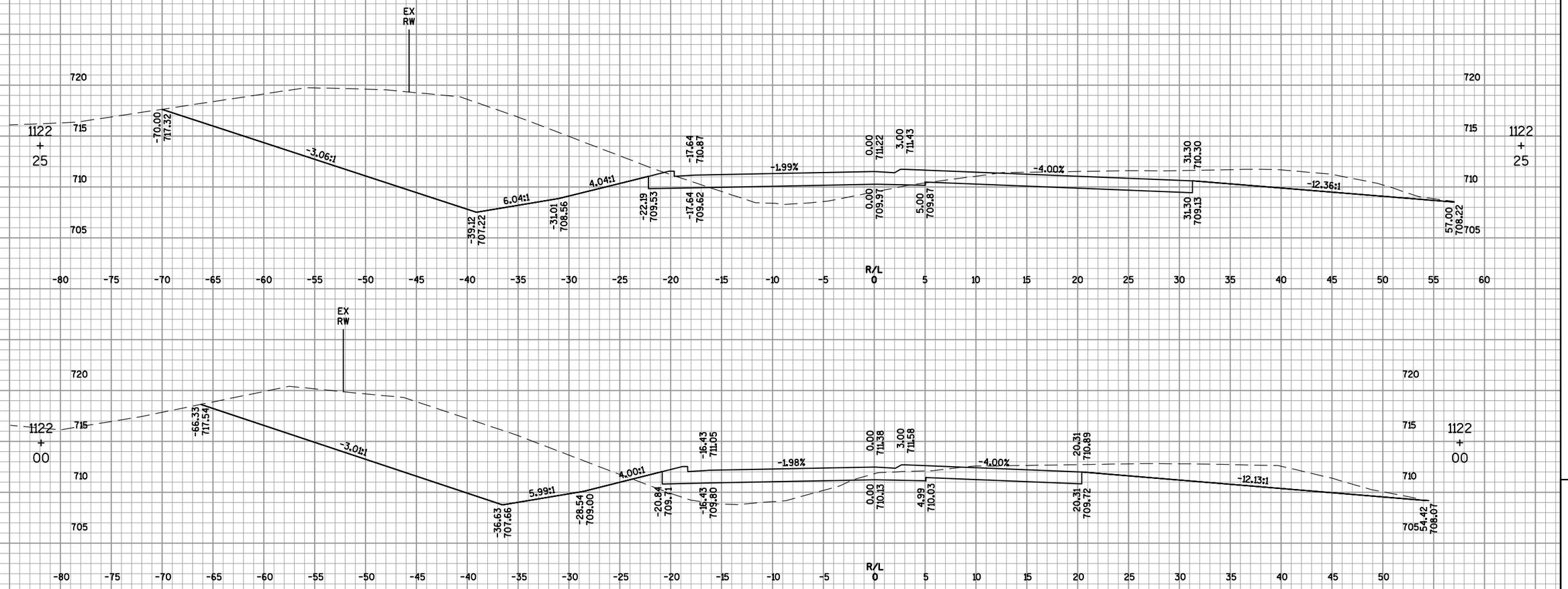
PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	CROSS SECTIONS: IH 41 SOUTHBOUND ON-RAMP ('DD')	SHEET 755	E

9



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9

PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	CROSS SECTIONS: IH 41 SOUTHBOUND ON-RAMP ('DD')	SHEET 756	E

FILE NAME : F:\TR\JOBS\E1859A08\CIVIL 3D 2012\SHEETSPLAN\46500871_090200_XS-55B.DWG
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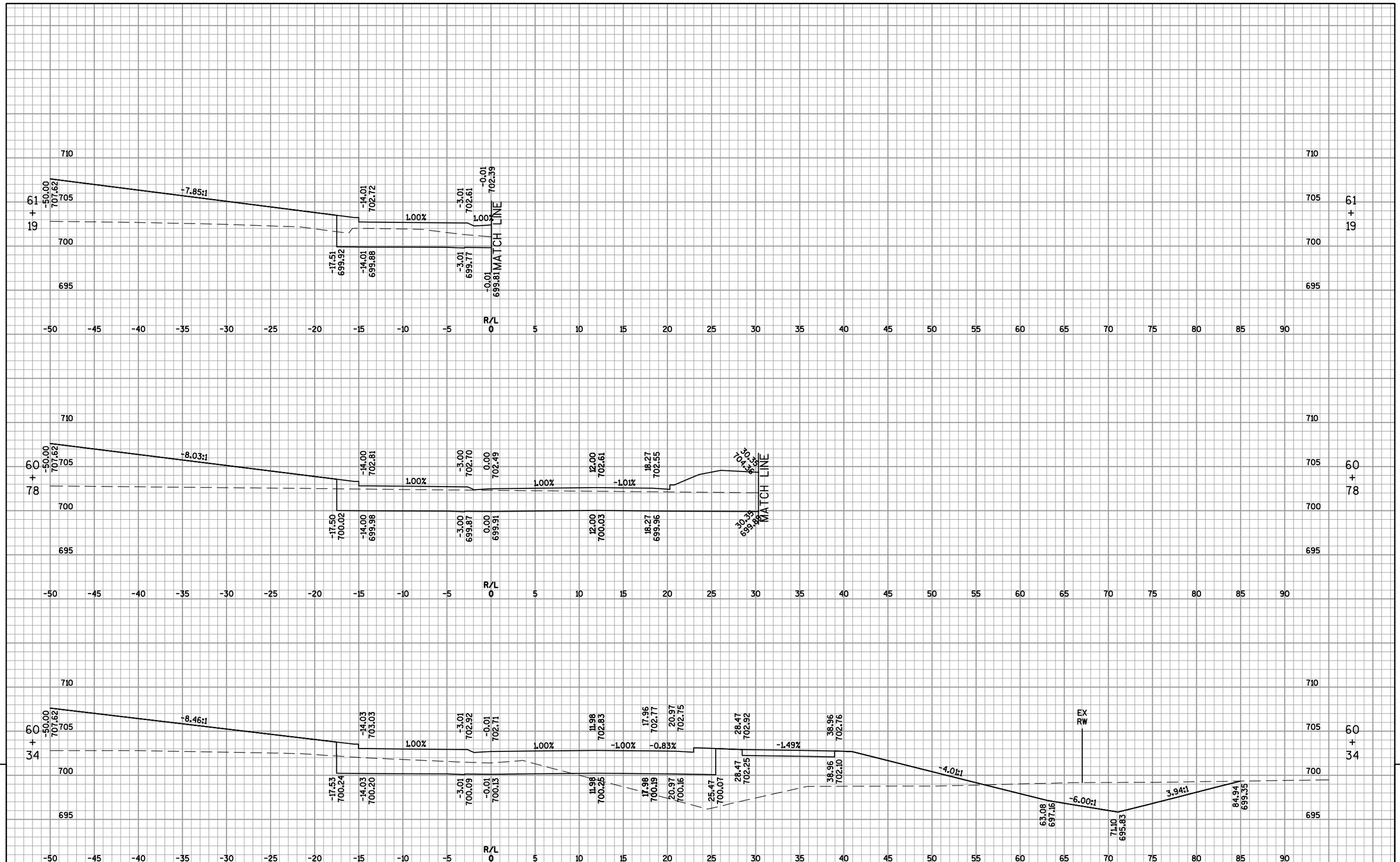
PLOT DATE : 5/5/2017 4:05 PM

PLOT BY : OMNNI ASSOCIATES, INC - CRAIG KNUTH

WISDOT/CADDS SHEET 49



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9

PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	CROSS SECTIONS: CTH OO (HYLAND AVENUE) ROUNDABOUT	SHEET 757	E

FILE NAME : F:\TR\JOBS\E1859A08\CIVIL 3D 2012\SHEETSPLAN\46500871_090200_XS-55B.DWG
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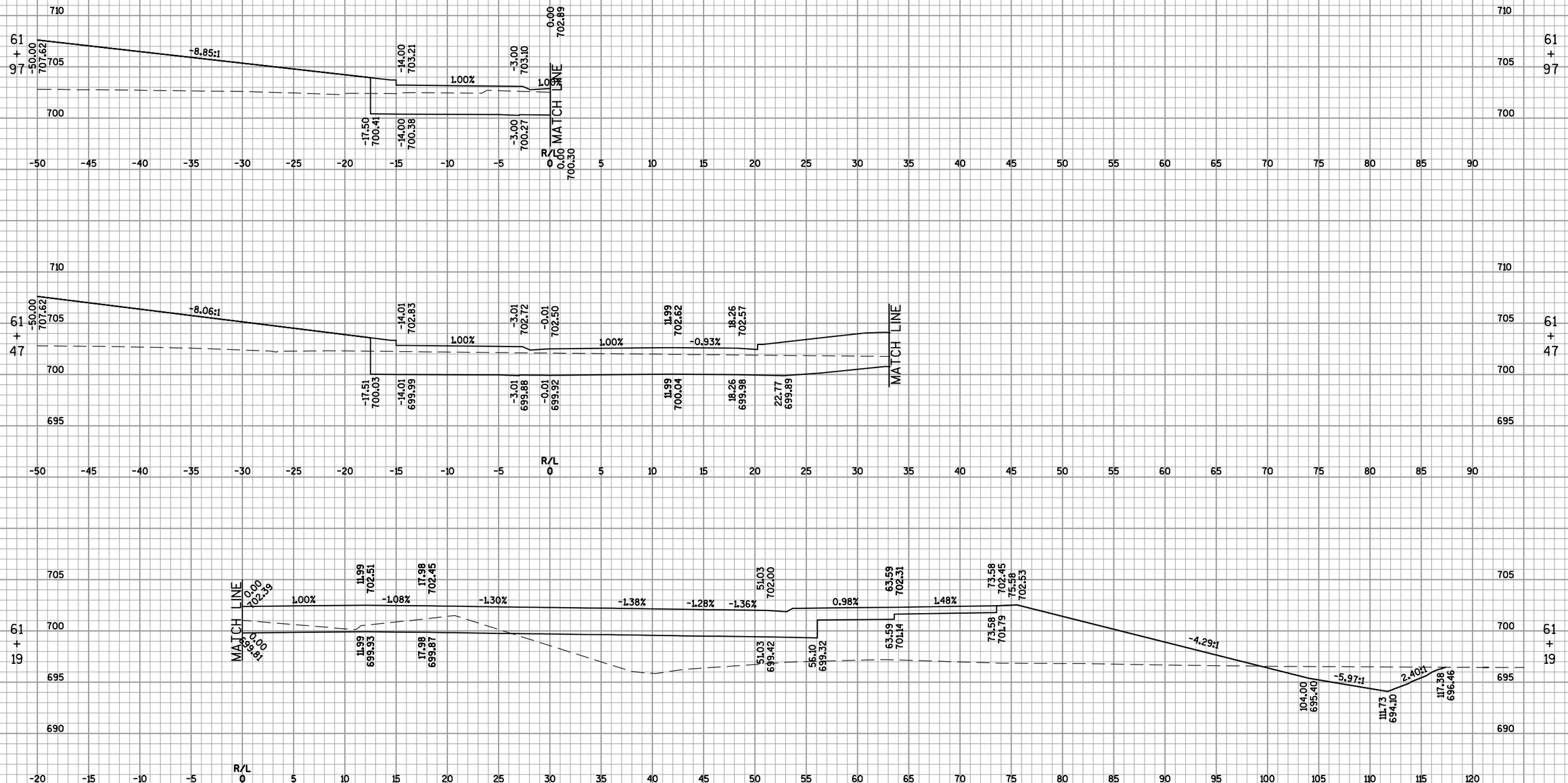
PLOT DATE : 5/8/2017 9:48 AM

PLOT BY : OMNNI ASSOCIATES, INC - CRAIG KNUTH

WISDOT/CADDS SHEET 49



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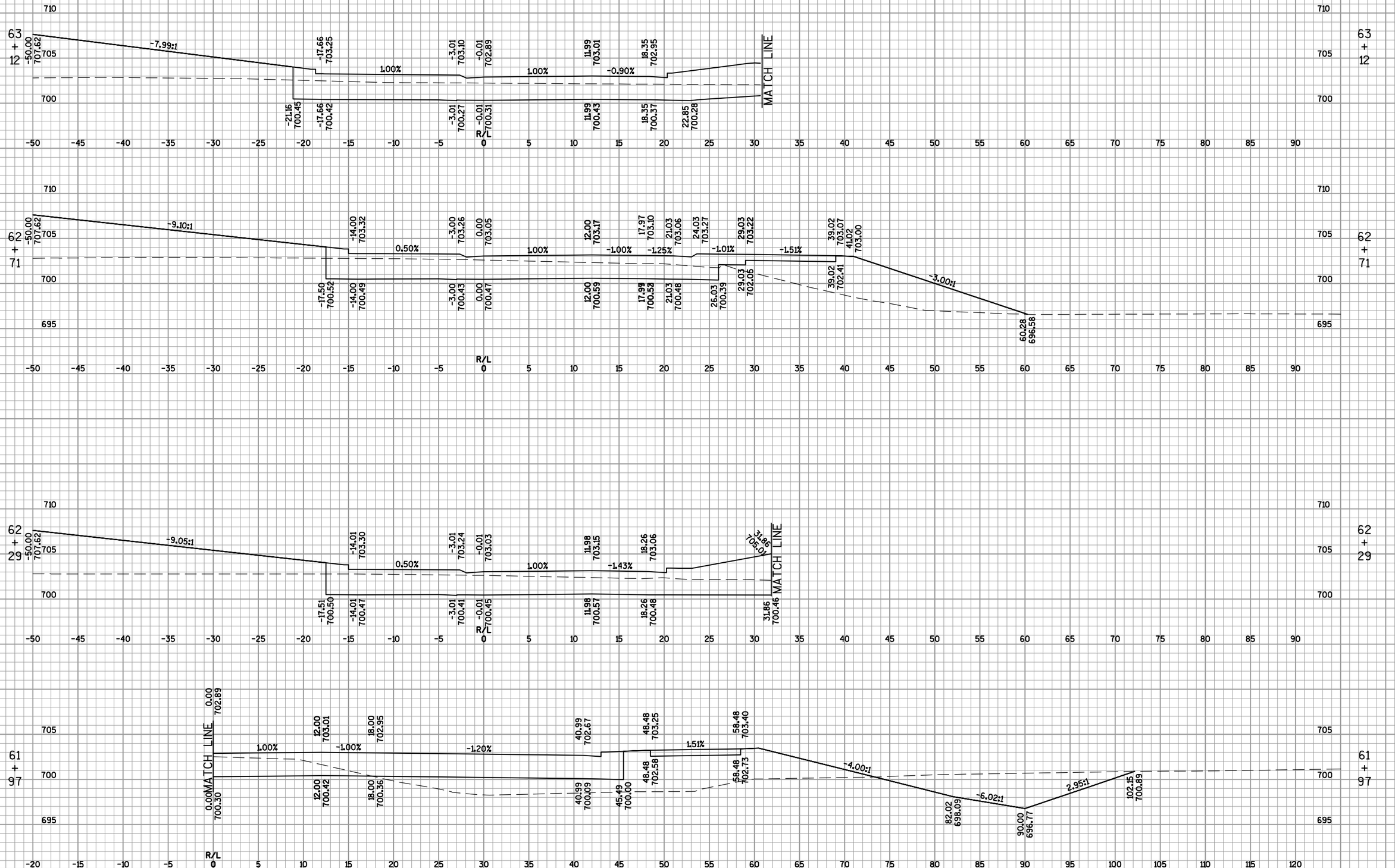
PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	CROSS SECTIONS: CTH OO (HYLAND AVENUE) ROUNDABOUT	SHEET 758	E



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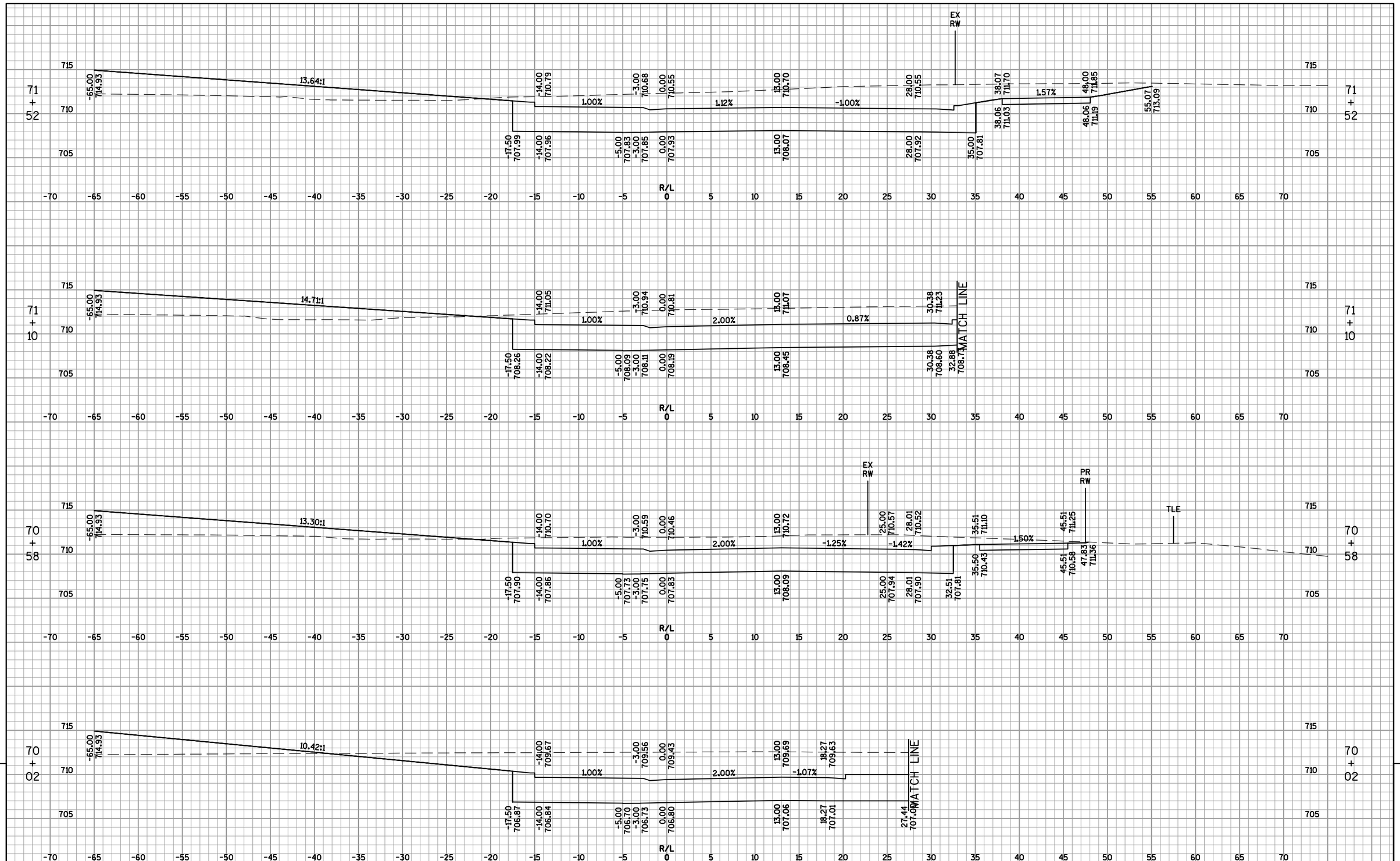

9

PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	CROSS SECTIONS: GERTRUDE ST - MALONEY ROAD ROUNDABOUT	SHEET 760	E

9

FILE NAME : F:\TR\JOBS\E1859A08\CIVIL 3D 2012\SHEETSPLAN\46500871_090200_XS-55B.DWG
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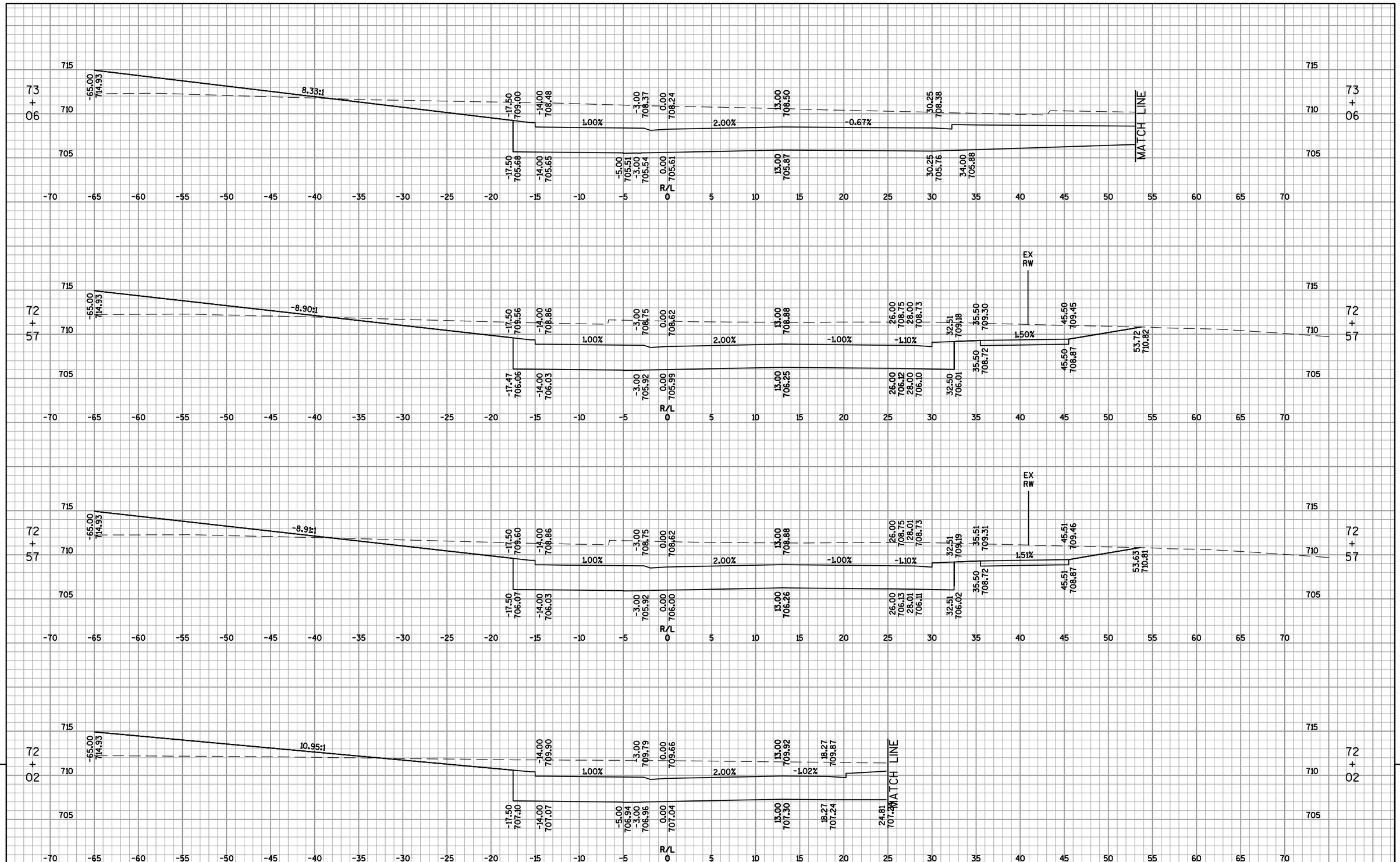
PLOT DATE : 5/16/2017 1:43 PM

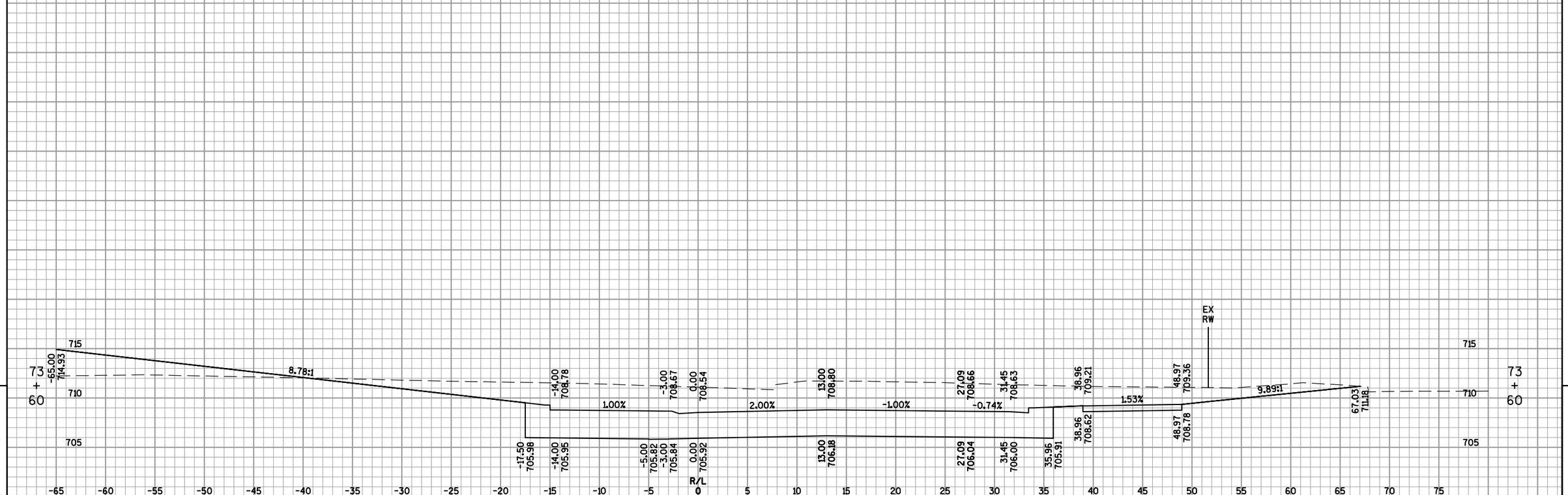
PLOT BY : OMNNI ASSOCIATES, INC - CRAIG KNUTH



9

9

PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	CROSS SECTIONS: GERTRUDE ST - MALONEY ROAD ROUNDABOUT	SHEET 761	E



PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	CROSS SECTIONS: GERTRUDE ST - MALONEY ROAD ROUNDABOUT	SHEET 762	E

FILE NAME : F:\TR\JOBS\E1859A08\CIVIL 3D 2012\SHEETSPLAN\46500871_090200_XS-55B.DWG
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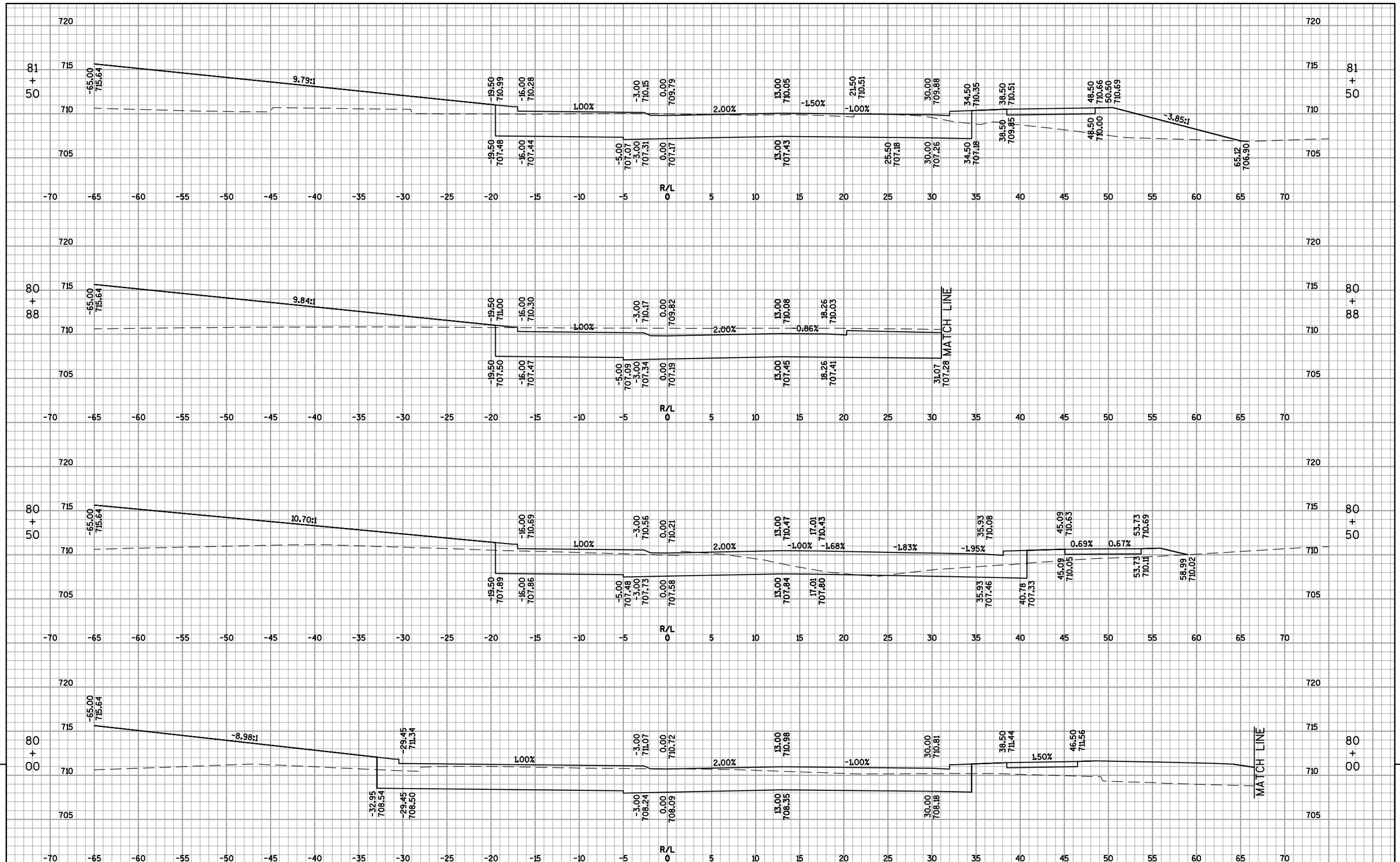
PLOT DATE : 5/16/2017 1:46 PM PLOT BY : OMNNI ASSOCIATES, INC - CRAIG KNUTH

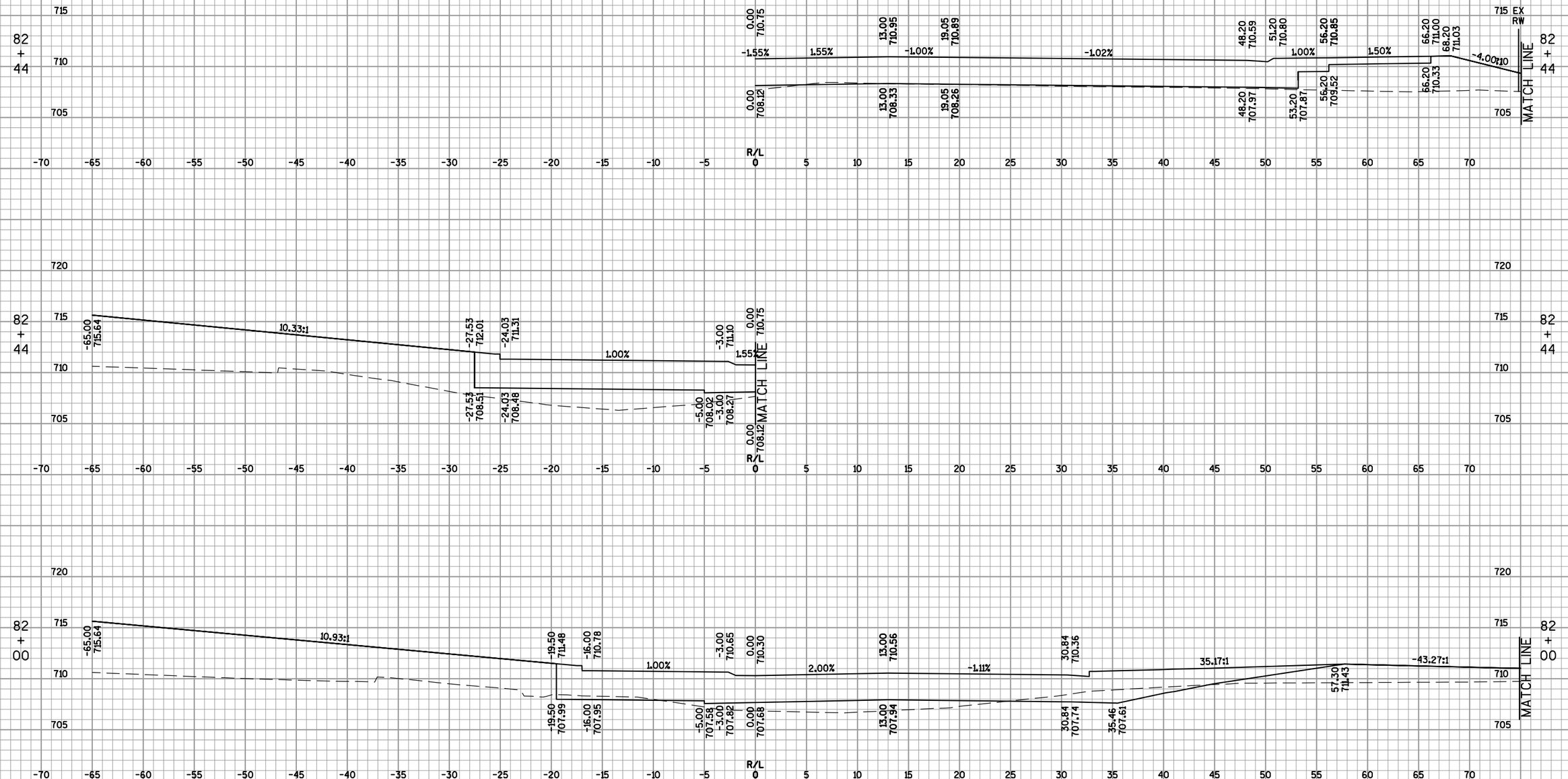
WISDOT/CADDS SHEET 49



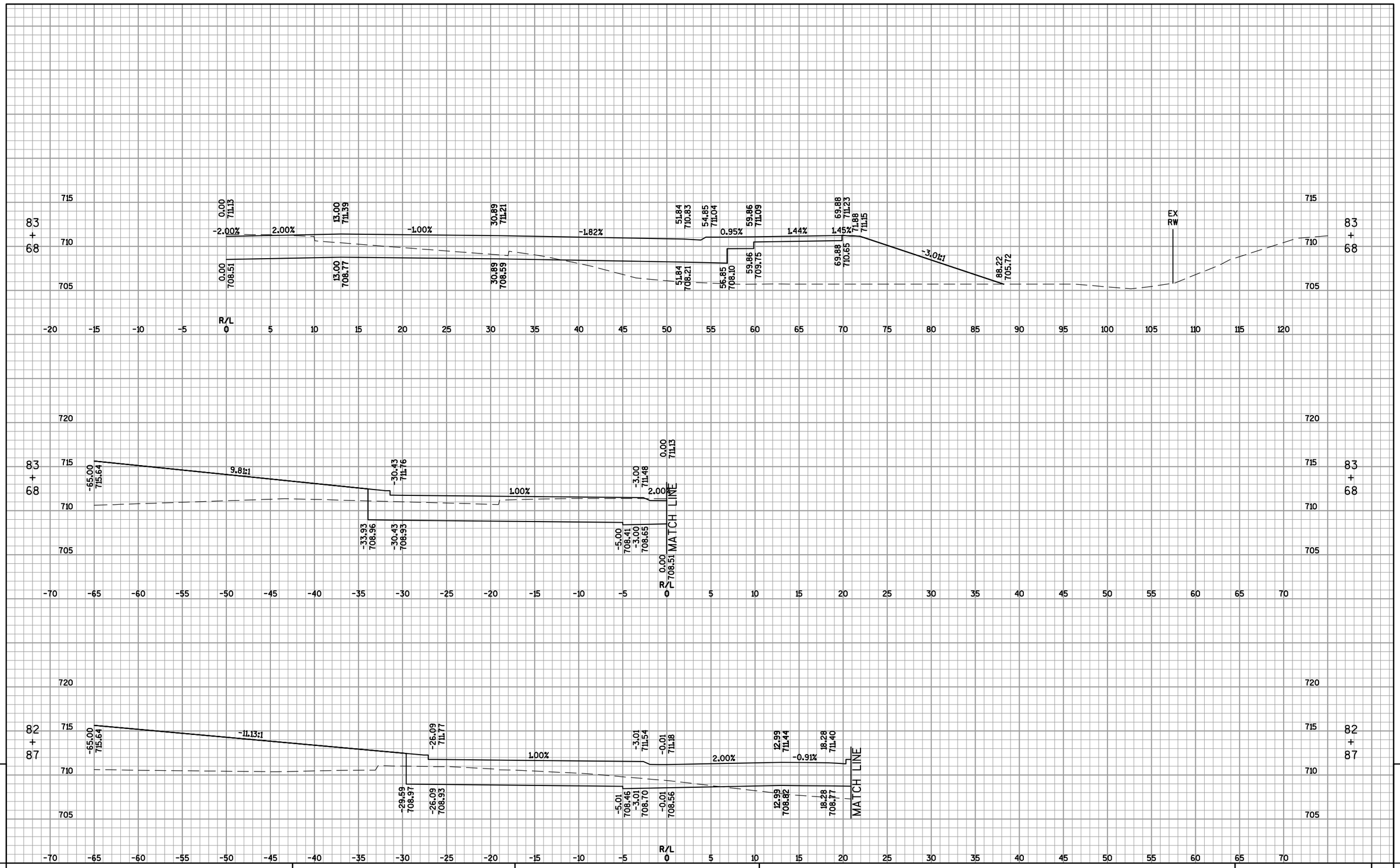
9

9

PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	CROSS SECTIONS: USH 41 NB RAMPS ROUNDABOUT	SHEET 763	E



PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	CROSS SECTIONS: USH 41 NB RAMPS ROUNDABOUT	SHEET 764	E



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9

PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	CROSS SECTIONS: USH 41 NB RAMPS ROUNDABOUT	SHEET 765	E

FILE NAME : F:\TR\JOBS\E1859A08\CIVIL 3D 2012\SHEETSPLAN\46500871_090200_XS-55B.DWG
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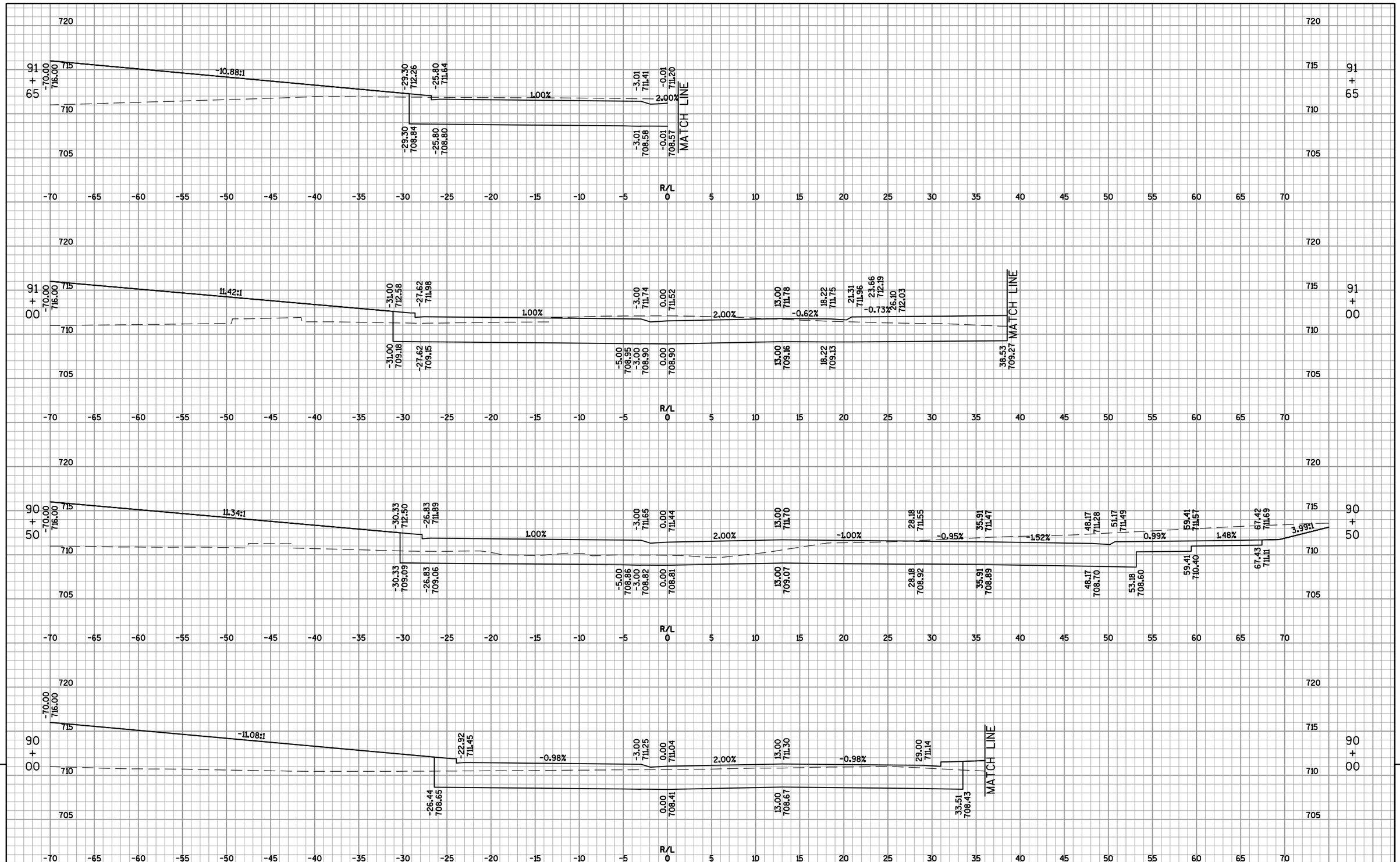
PLOT DATE : 5/16/2017 2:00 PM PLOT BY : OMNNI ASSOCIATES, INC - CRAIG KNUTH



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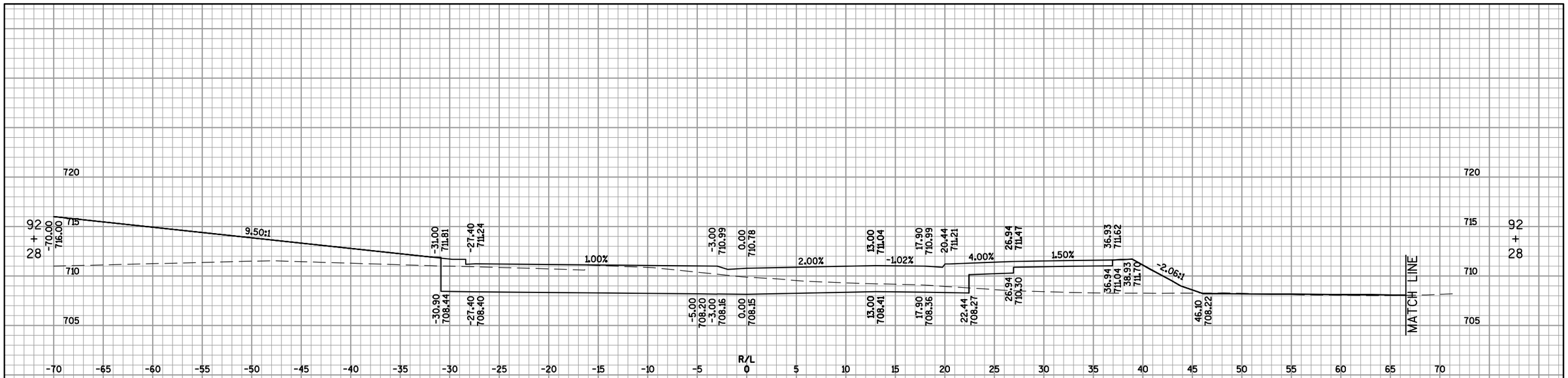
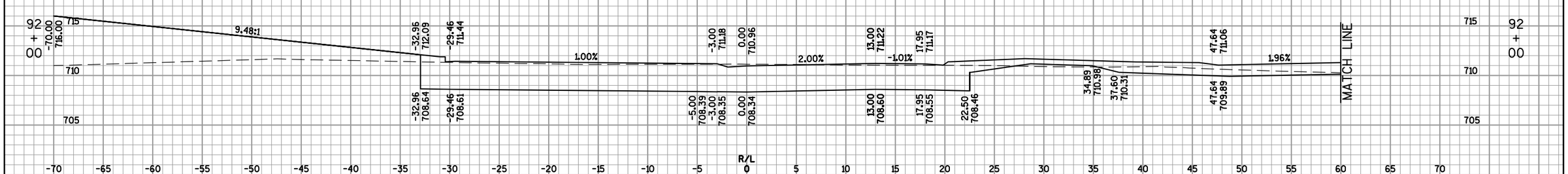
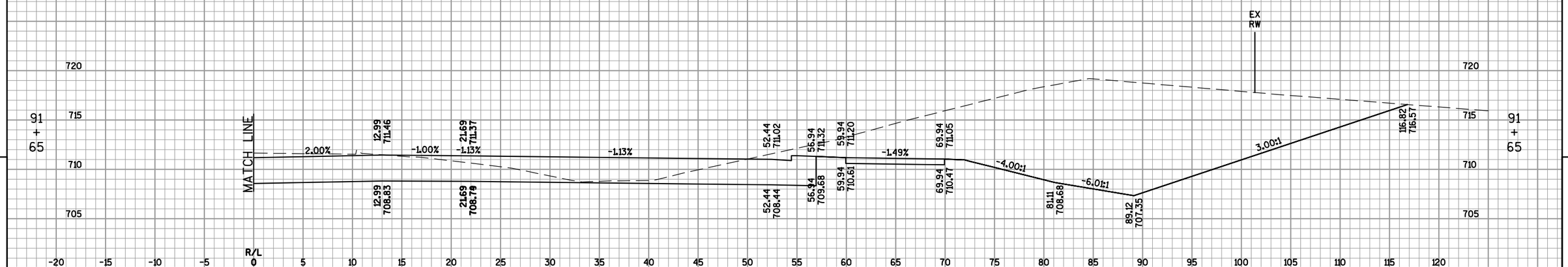
PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	CROSS SECTIONS: USH 41 SB RAMPS ROUNDABOUT	SHEET 766	E







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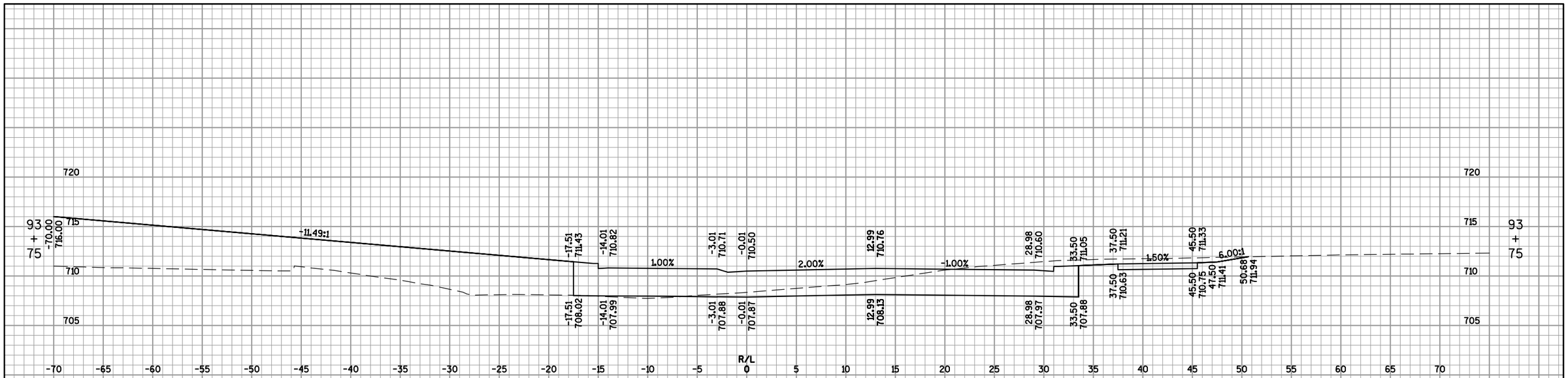

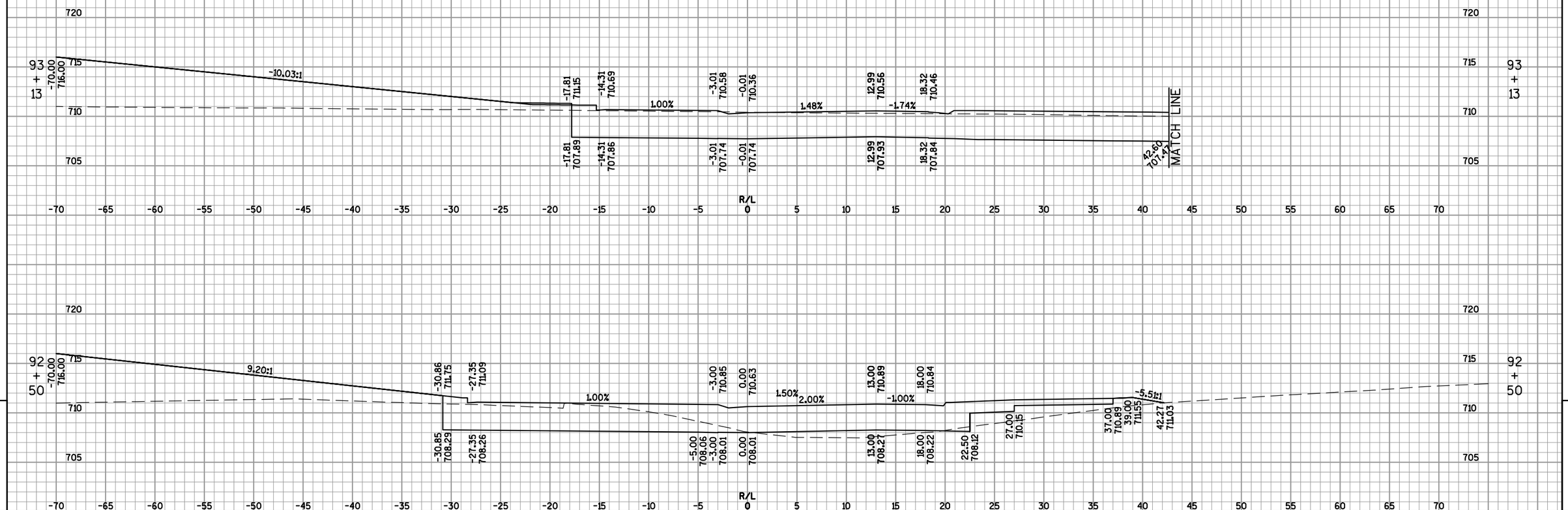

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PROJECT NO: 4650-08-71	HWY: STH 55	COUNTY: OUTAGAMIE	CROSS SECTIONS: USH 41 SB RAMPS ROUNDABOUT	SHEET 768	E

Notes

Wisconsin Department of Transportation

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