GRE DEC 2017

PROJECT ID: 6190-15-71 / 6190-15-73

WITH: N/A

COUNTY: WINNEBAGO

ORDER OF SHEETS

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

TOTAL SHEETS = 374

STATE OF WISCONSIN

DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED IMPROVEMENT

STATE PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
6190-15-71	WISC 2018018	1
6190-15-73		

MAIN ST, VILLAGE OF WINNECONNE

WEST VILLAGE LIMITS - EAST VILLAGE LIMITS

STH 116

WINNEBAGO COUNTY

STATE PROJECT NUMBER 6190-15-71

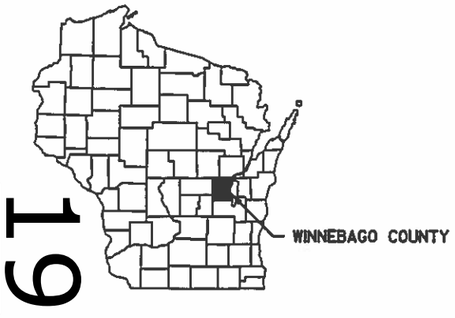
MAIN ST, VILLAGE OF WINNECONNE

WEST VILLAGE LIMITS - EAST VILLAGE LIMITS

STH 116

WINNEBAGO COUNTY

STATE PROJECT NUMBER 6190-15-73



19

DESIGN DESIGNATION 6190-15-00

A.A.D.T.	2018	= 9,200
A.A.D.T.	2038	= 11,300
D.H.V.		= 554
D.D.		= 60/40
T.		= 5.7%
DESIGN SPEED		= 30/40 MPH
ESALS		= 1,416,200

CONVENTIONAL SYMBOLS

PLAN

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

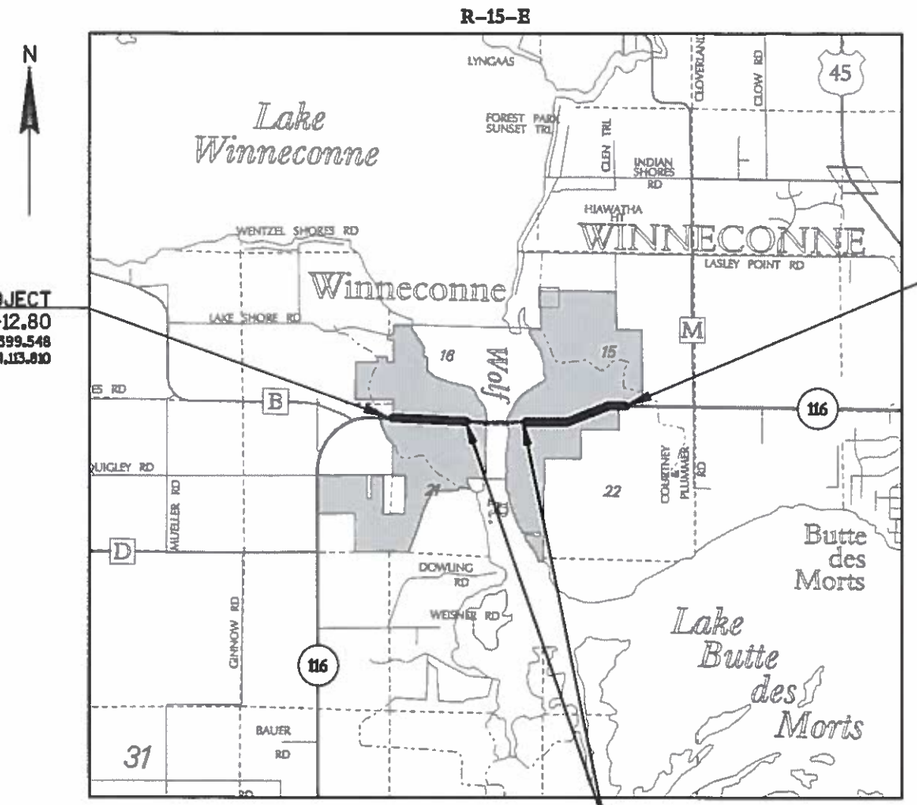
PROFILE

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

UTILITIES

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

R-15-E



BEGIN PROJECT
STA 103+12.80
Y: 507,399.548
X: 744,113.810

END PROJECT
STA 189+57.66
Y: 507,807.111
X: 752,629.330

NET EXCEPTION TO CENTERLINE LENGTH
PROJECT 6190-15-72
STA 132+60 TO STA 149+60

LAYOUT SCALE 0 1 MILE

TOTAL NET LENGTH OF CENTERLINE = 1.315 MILES

HORIZONTAL POSITIONS SHOWN ON THIS PLAN ARE WISCONSIN COUNTY COORDINATES, WINNEBAGO COUNTY, NAD83 (2012), IN U.S. SURVEY FEET. VALUES ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

ORIGINAL PLANS PREPARED BY

OMNNI ASSOCIATES

WISCONSIN

MICHAEL A. MALCOLM E-30825 Appleton, WI

PROFESSIONAL ENGINEER

7/18/17

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PREPARED BY	
Surveyor	OMNNI ASSOCIATES, INC
Designer	OMNNI ASSOCIATES, INC
Project Manager	B. BERTRAND
Regional Examiner	
Regional Supervisor	CHUCK KAROW

APPROVED FOR THE DEPARTMENT

DATE: 7-18-2017 William R. Bertrand (Signature)

E

FILE NAME : F:\TR\JOBS\E2073A13\CIVIL 3D 2014\SHEETSPLAN\71 SHEETS\61901571-010101-TI.DWG
LAYOUT NAME - 61901571-010101-TI

PLOT DATE : 5/13/2016 8:00 AM PLOT BY : ANDREW WESTBROOK PLOT NAME :

WISDOT/CADDS SHEET 10

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. CONTRACTOR IS RESPONSIBLE FOR CONTACTING DIGGERS HOTLINE ALONG WITH OTHER UNLISTED UTILITES.

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 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.

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

ALL 6-INCH CONCRETE SIDEWALK LOCATED IN THE RESIDENTIAL DRIVEWAYS SHALL BE PAID FOR AS 6-INCH CONCRETE DRIVEWAY.

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.

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.

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

ORDER OF "SECTION 2" SHEETS

SHEET TITLE

GENERAL NOTES
PROJECT OVERVIEW
TYPICAL SECTIONS
CONSTRUCTION DETAILS
STREETSCAPE REMOVALS
PAVING DETAILS
EROSION CONTROL PLAN
STORM SEWER PLAN
SANITARY SEWER PLAN
WATER MAIN PLAN
SIGNING PLAN
LIGHTING PLAN
PAVEMENT MARKING
TRAFFIC CONTROL
DETOUR 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.

UTILITIES

WATER
VILLAGE OF WINNECONNE
KIRK RUETTEN
30 SOUTH FIRST ST
PO BOX 488
WINNECONNE, WI 54986-0488
TEL: 920-582-4381
EMAIL: pwdirector@winneconnewi.gov

SANITARY SEWER
VILLAGE OF WINNECONNE
KIRK RUETTEN
30 SOUTH FIRST ST
PO BOX 488
WINNECONNE, WI 54986-0488
TEL: 920-582-4381
EMAIL: pwdirector@winneconnewi.gov

GAS
ALLIANT ENERGY
MARK VILLARS
880 N WISCONSIN ST
BERLIN, WI 54923
TEL: 920-361-5652
MOBILE: 920-290-0827
EMAIL: markvillars@alliantenergy.com

ELECTRIC
ALLIANT ENERGY
MARK VILLARS
880 N WISCONSIN ST
BERLIN, WI 54923
TEL: 920-361-5652
MOBILE: 920-290-0827
EMAIL: markvillars@alliantenergy.com

ATC MANAGEMENT
GERALD RHODE
801 O'KEEFE RD
PO BOX 6113
DE PERE, WI 54115-6113
TEL: 920-338-6523
EMAIL: grhode@atcllc.com

STREET LIGHTING
VILLAGE OF WINNECONNE
KIRK RUETTEN
30 SOUTH FIRST ST
PO BOX 488
WINNECONNE, WI 54986-0488
TEL: 920-582-4381
EMAIL: pwdirector@winneconnewi.gov

COMMUNICATION
CHARTER
BRUCE HENRY
1623 BROADWAY AVE
SHEBOYGAN, WI 53081
TEL: 608-826-1619
MOBILE: 920-263-0074
EMAIL: bruce.henry@charter.com

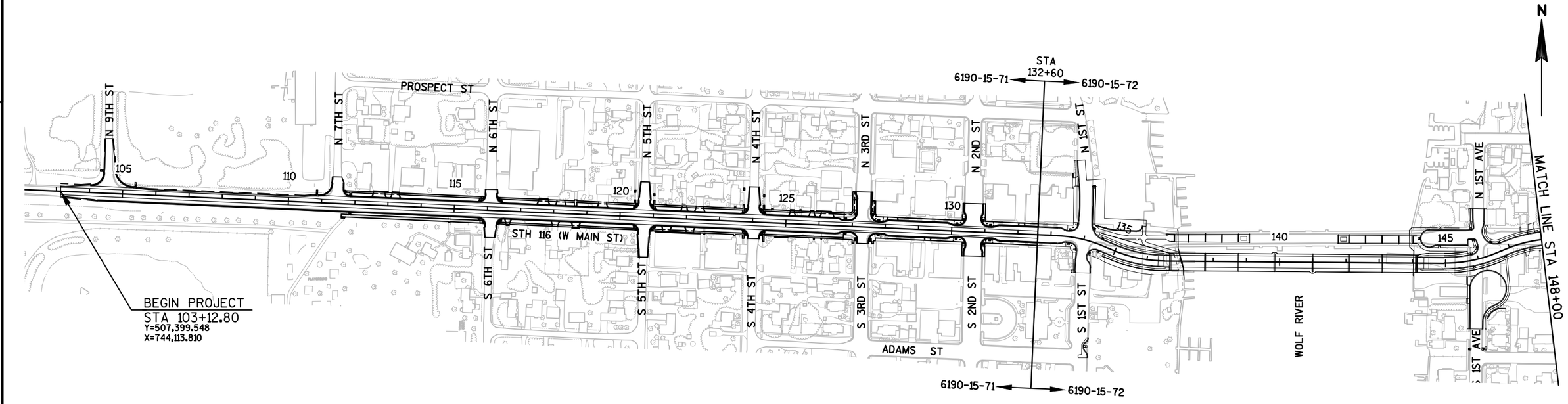
AT&T WISCONSIN
CHUCK BARTELT
70 E DIVISION ST
FOND DU LAC, WI 54935
TEL: 920-929-1013 (OFFICE)
MOBILE: 920-410-5104
EMAIL: cb1461@att.com

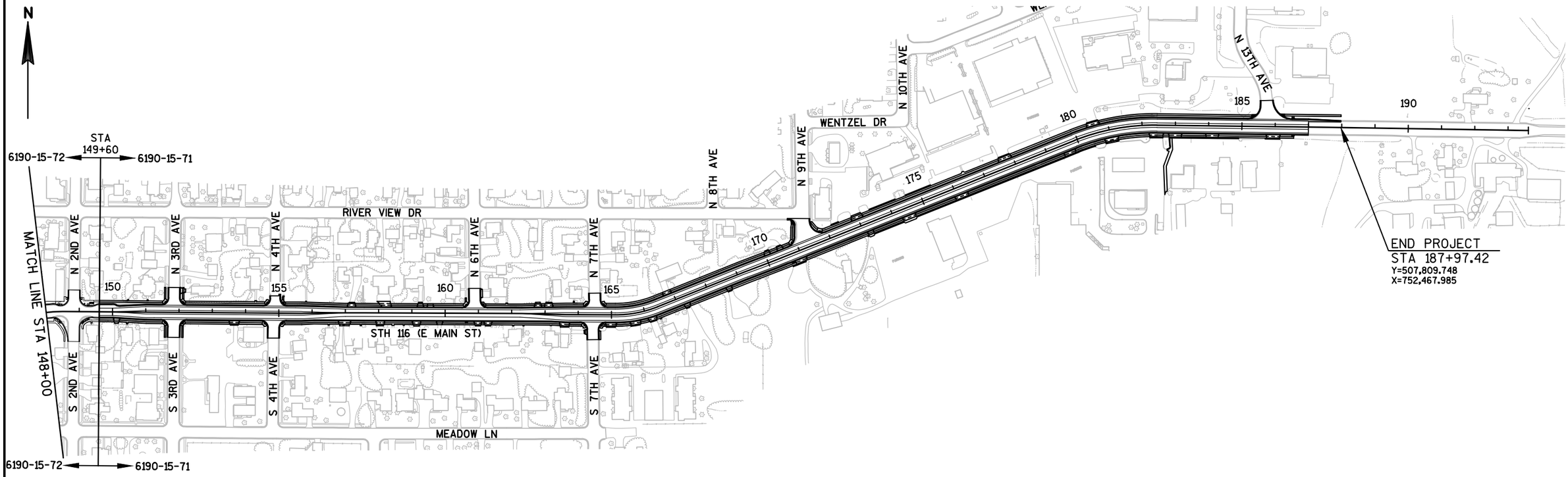
OTHER CONTACTS

DNR LIAISON
WI DEPARTMENT OF NATURAL RESOURCES
JAY SCHIEFELBEIN
2984 SHAWANO AVE
GREEN BAY, WI 54313
TEL: 920-662-5130
EMAIL: jeremiah.schiefelbein@wisconsin.gov

DIGGERS HOTLINE
CABLE LOCATE
TELEPHONE: (800) 242-8511 (TOLL FREE)

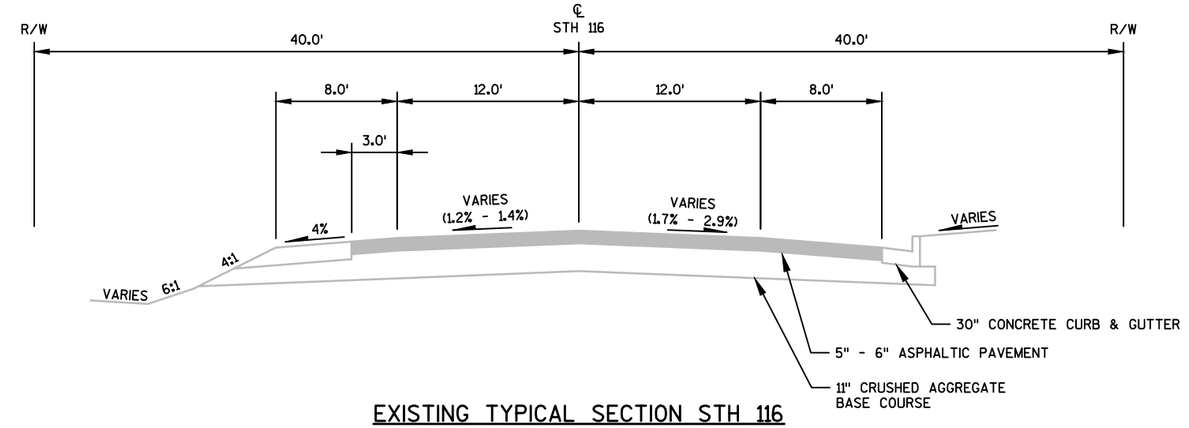
DIGGERS HOTLINE
Dial 811 or (800) 242-8511
www.DiggersHotline.com





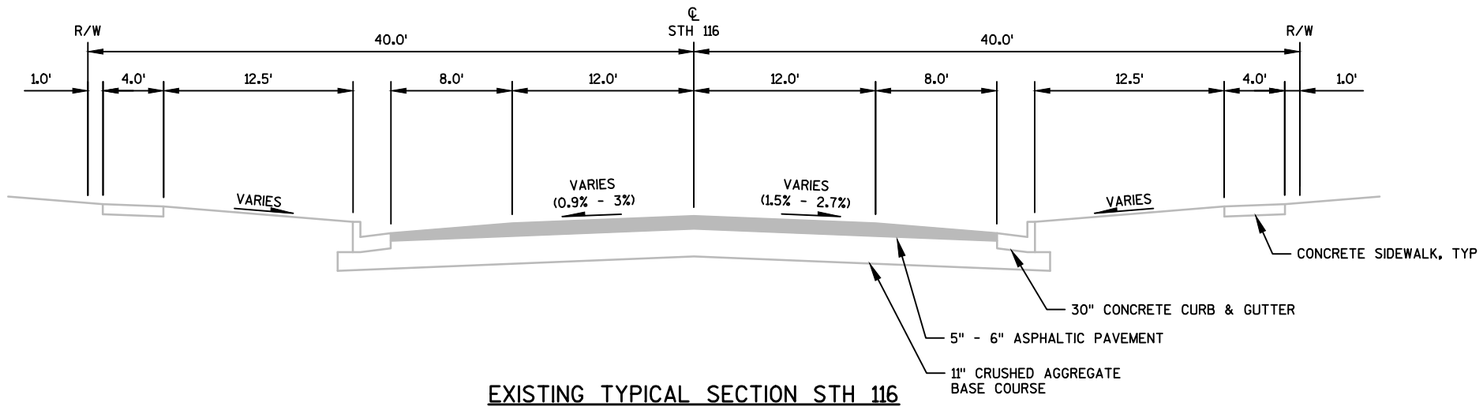
PROJECT NO: 6190-15-71	HWY: STH 116	COUNTY: WINNEBAGO	PROJECT OVERVIEW	SHEET 4	E

FILE NAME : F:\TR\JOBS\E2073A13\CIVIL 3D 2014\SHEETSPLAN\71 SHEETS\61901571-020201-PO.DWG
LAYOUT NAME - 61901571-020201-PO
PLOT DATE : 9/19/2017 8:56 AM PLOT BY : ANDREW WESTBROOK PLOT NAME : PLOT SCALE : **********
WISDOT/CADDS SHEET 44



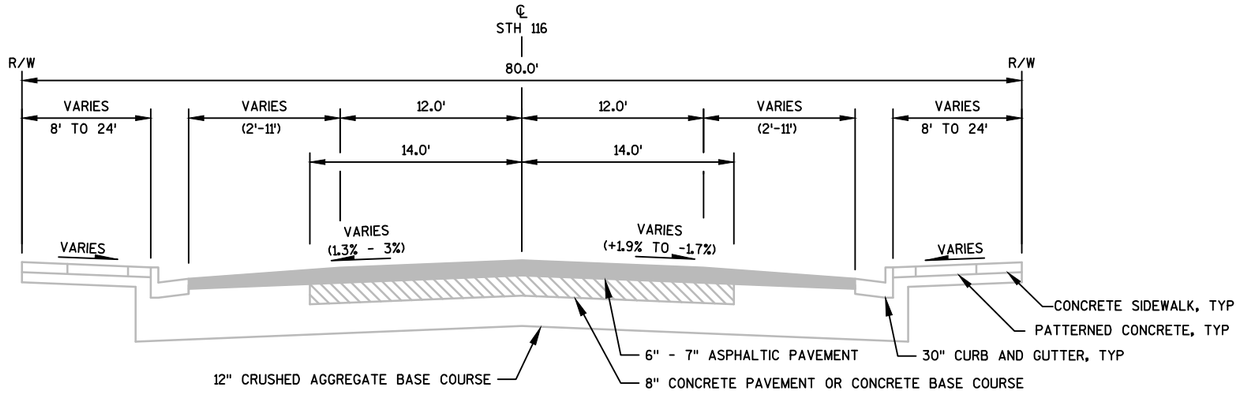
EXISTING TYPICAL SECTION STH 116

STA 103+13 - 7TH STREET



EXISTING TYPICAL SECTION STH 116

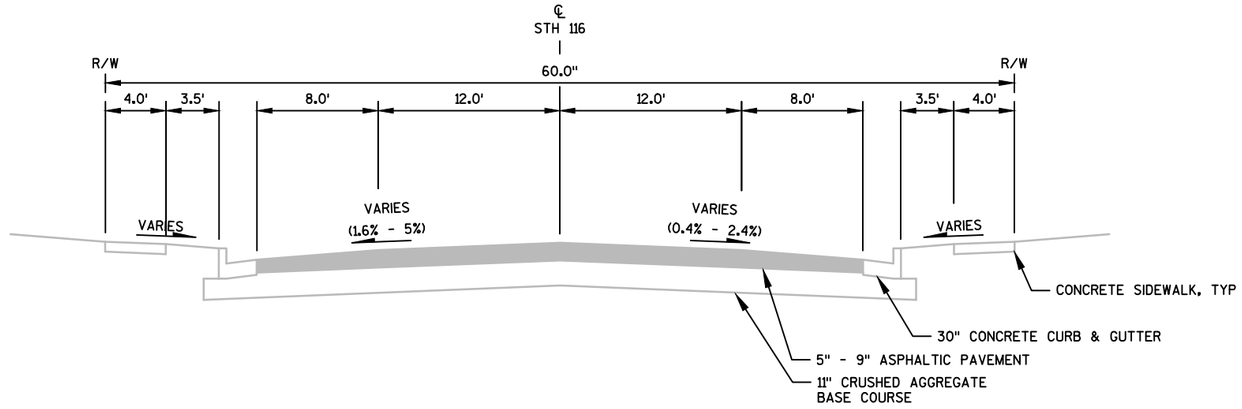
7TH STREET - 3RD STREET



EXISTING TYPICAL SECTION STH 116

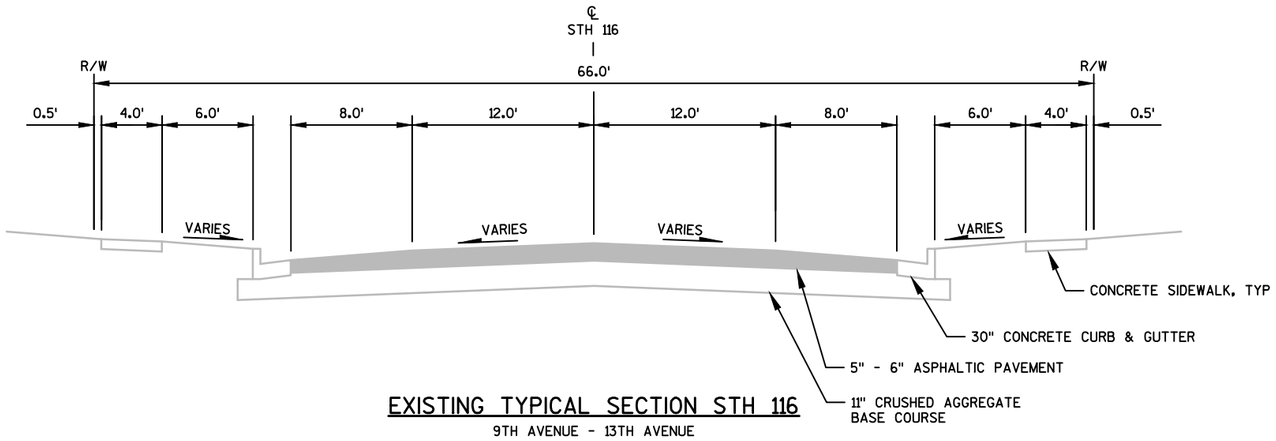
3RD STREET - STA 132+60

PROJECT NO: 6190-15-71	HWY: STH 116	COUNTY: WINNEBAGO	TYPICAL SECTIONS	SHEET 5	E



EXISTING TYPICAL SECTION STH 116

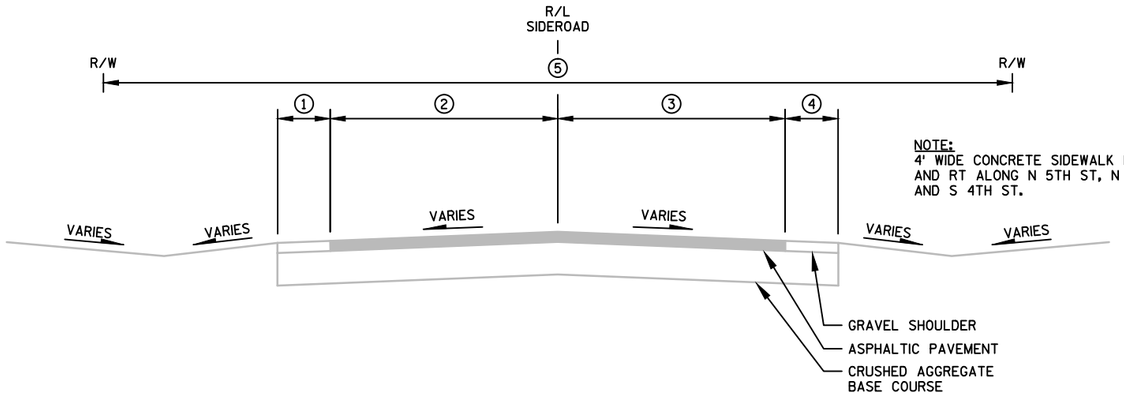
149+60 - 9TH AVENUE



EXISTING TYPICAL SECTION STH 116

9TH AVENUE - 13TH AVENUE

PROJECT NO: 6190-15-71	HWY: STH 116	COUNTY: WINNEBAGO	TYPICAL SECTIONS	SHEET 6	E



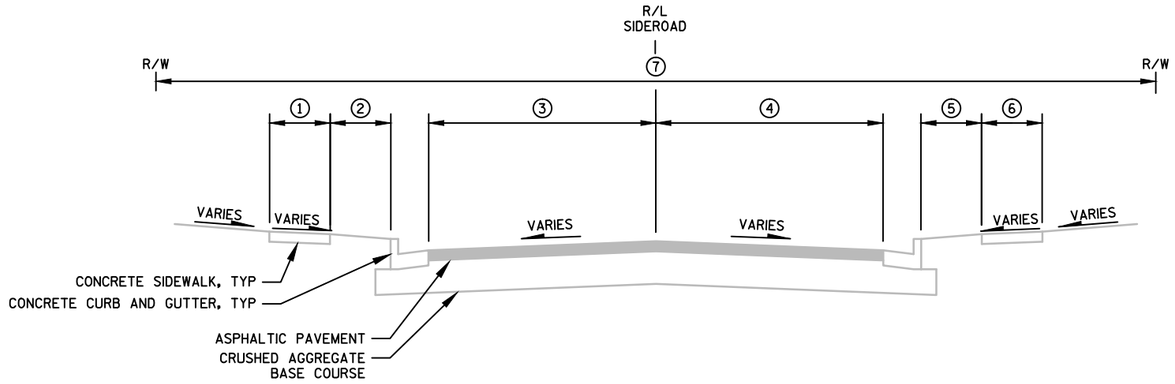
NOTE:
4' WIDE CONCRETE SIDEWALK LOCATED LT AND RT ALONG N 5TH ST, N 4TH ST, AND S 4TH ST.

ROADWAY	①	②	③	④	⑤
N 9TH ST	2.5'	13.5'	10.8'	3.0'	66.0'
N 7TH ST	5.5'	16.8'	15.4'	3.0'	66.0'
N 6TH ST	-	15.5'	16.5'	-	66.0'
S 6TH ST	3.0'	15.3'	16.2'	3.0'	66.0'
N 5TH ST	2.0'	15.6'	16.7'	-	66.0'
S 5TH ST	2.0'	15.9'	15.8'	2.0'	66.0'
N 4TH ST	4.0'	16.2	16.2'	4.0'	66.0'
S 4TH ST	-	16.0'	15.9'	-	66.0'

NOTE:
DIMENSIONS ② AND ③ MEASURED AT END OF EXISTING CURB FLANGE

EXISTING TYPICAL SECTION SIDEROAD

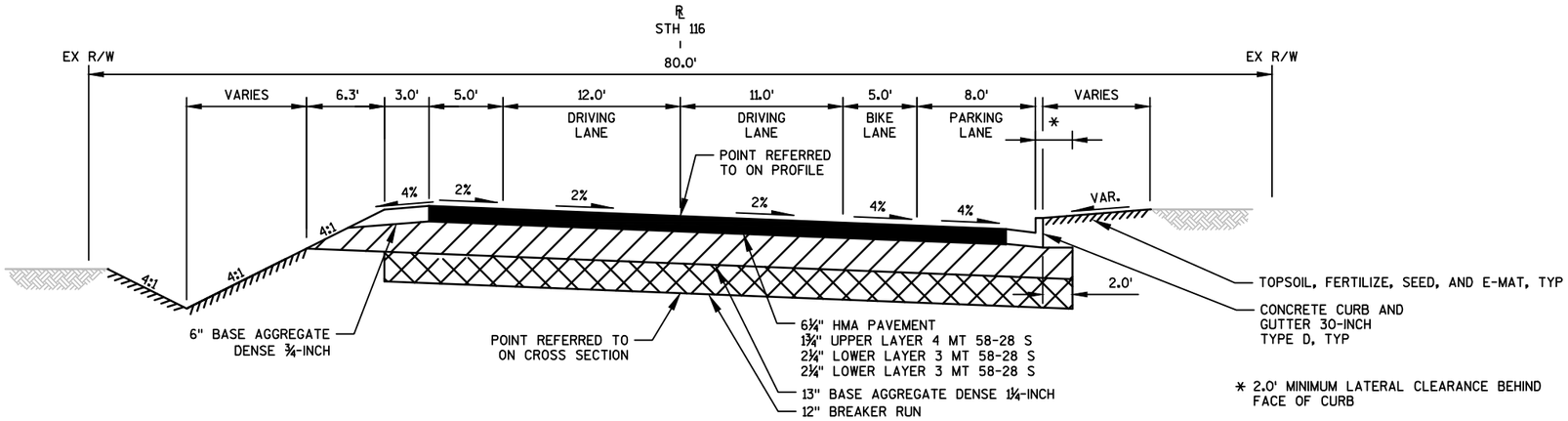
N 9TH ST
N 7TH ST
N 6TH ST AND S 6TH ST
N 5TH ST AND S 5TH ST
N 4TH ST AND S 4TH ST



ROADWAY	①	②	③	④	⑤	⑥	⑦
N 3RD ST	7.7'	-	20.8'	23.0'	-	9.4'	66.0'
S 3RD ST	4.0'	2.6'	21.2'	20.2'	5.7'	4.5'	66.0'
N 2ND ST	6.0'	-	26.7'	26.7'	-	6.5'	71.8'
S 2ND ST	5.0'	-	27.0'	27.0'	-	6.4'	71.7'
N 3RD AVE	4.0'	6.7'	15.9'	16.2'	7.0'	4.0'	60.0'
S 3RD AVE	4.0'	4.5'	16.9'	17.1'	4.8'	4.0'	60.0'
N 4TH AVE	-	-	13.9'	14.0'	6.3'	4.0'	60.0'
S 4TH AVE	-	-	16.3'	15.9'	-	-	60.0'
N 6TH AVE	4.0'	6.7'	15.9'	15.9'	-	-	60.0'
N 7TH AVE	-	-	16.1'	15.9'	-	-	60.0'
S 7TH AVE	-	-	16.0'	15.9'	-	-	60.0'
N 9TH AVE	4.0'	8.5'	18.6'	18.6'	2.5'	4.0'	66.0'
N 13TH AVE	-	-	17.5'	17.5'	-	-	VAR.

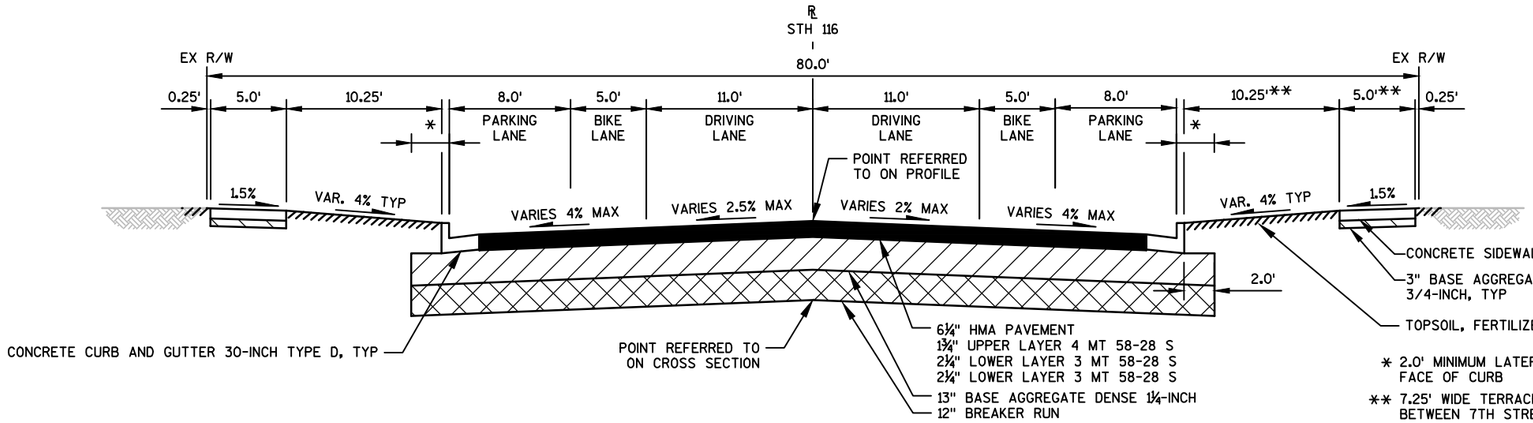
EXISTING TYPICAL SECTION SIDEROAD

N 3RD ST AND S 3RD ST
N 2ND ST AND S 2ND ST
N 3RD AVE AND S 3RD AVE
N 4TH AVE AND S 4TH AVE
N 6TH AVE
N 7THE AVE AND S 7TH AVE
N 9TH AVE
N 13TH AVE



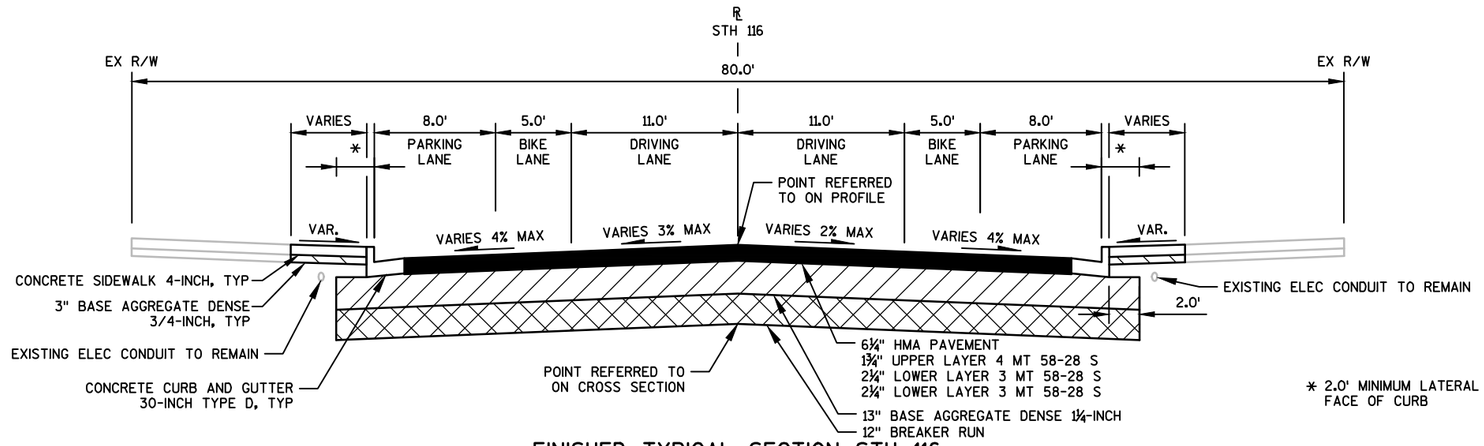
FINISHED TYPICAL SECTION STH 116

STA 103+12.8 - STA 111+50



FINISHED TYPICAL SECTION STH 116

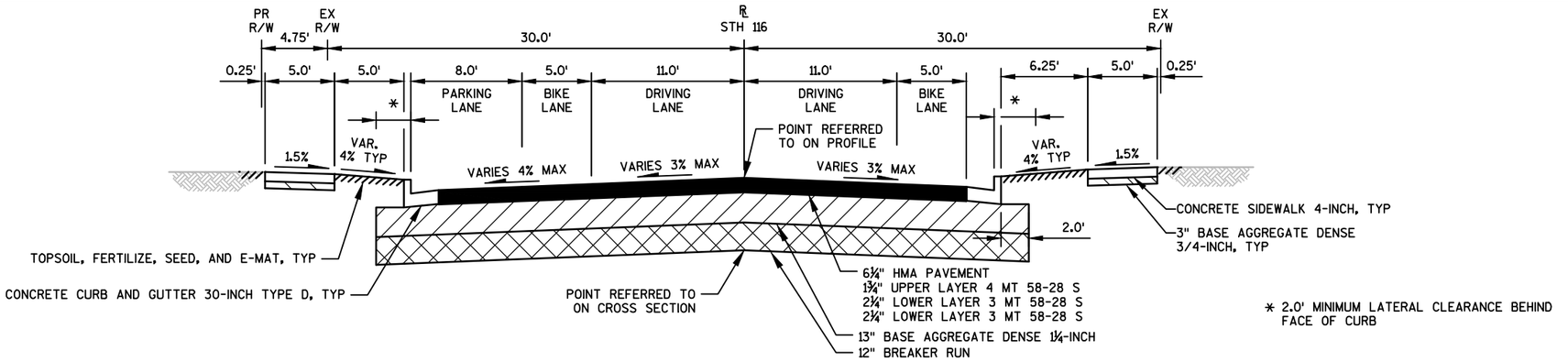
STA 111+50 - STA 127+50



FINISHED TYPICAL SECTION STH 116

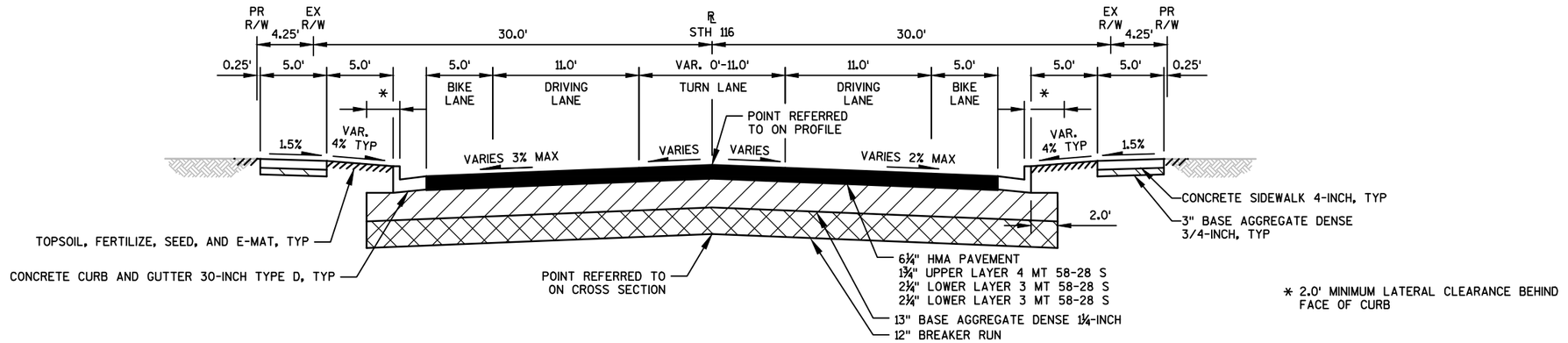
STA 127+50 - STA 132+60

PROJECT NO: 6190-15-71	HWY: STH 116	COUNTY: WINNEBAGO	TYPICAL SECTIONS	SHEET 8	E



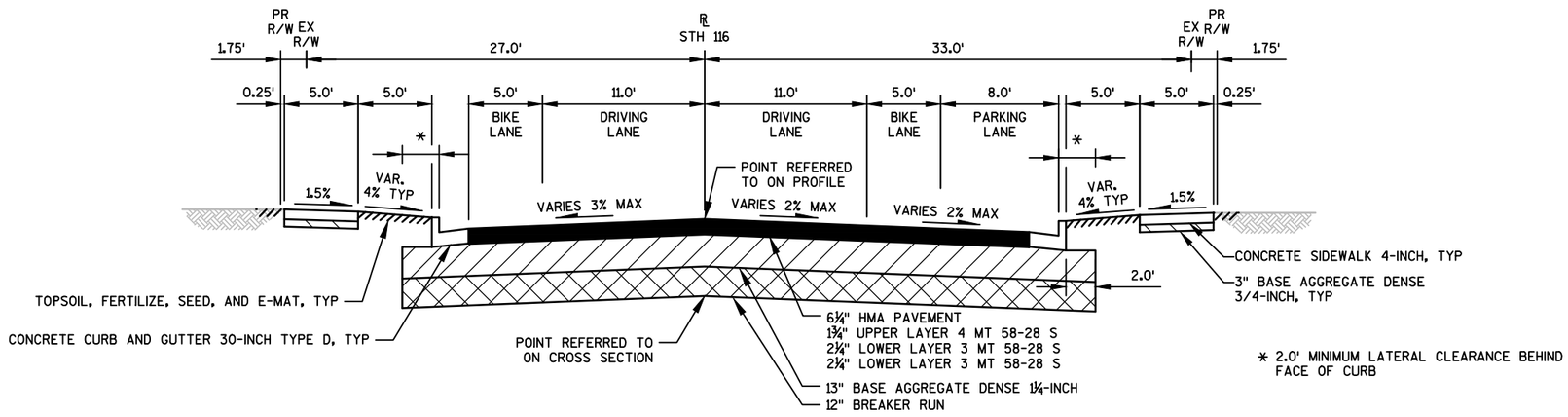
FINISHED TYPICAL SECTION STH 116

STA 149+60 - STA 150+00



FINISHED TYPICAL SECTION STH 116

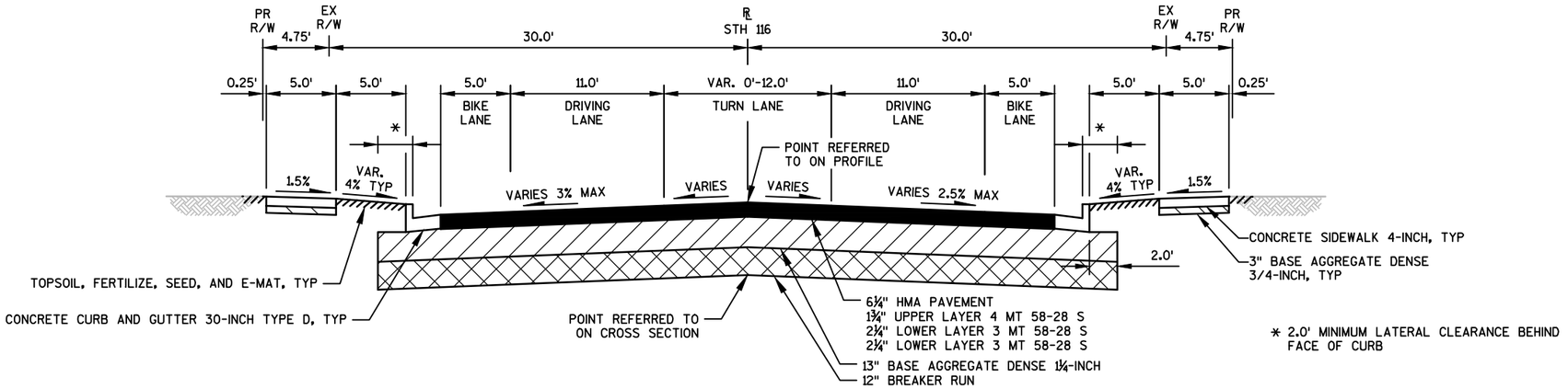
STA STA 150+00 - STA 157+00



FINISHED TYPICAL SECTION STH 116

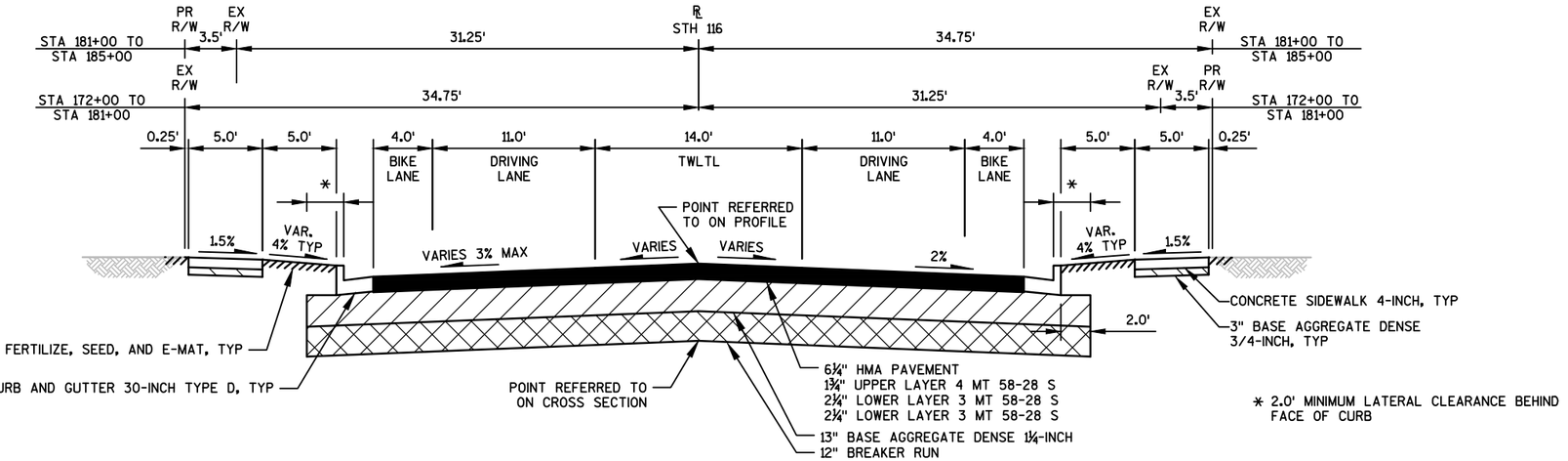
STA 157+00 - STA 162+30

PROJECT NO: 6190-15-71	HWY: STH 116	COUNTY: WINNEBAGO	TYPICAL SECTIONS	SHEET 9	E



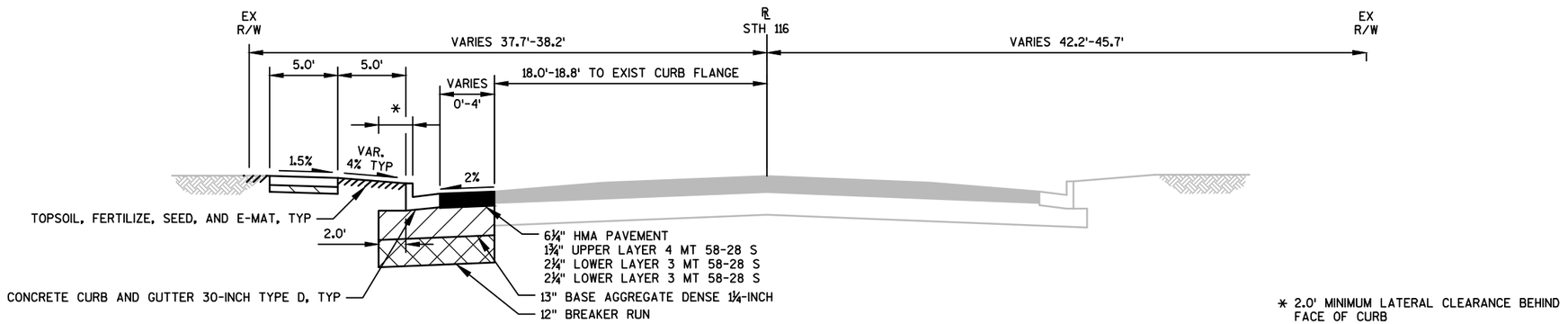
FINISHED TYPICAL SECTION STH 116

STA 162+30 TO STA 170+20



FINISHED TYPICAL SECTION STH 116

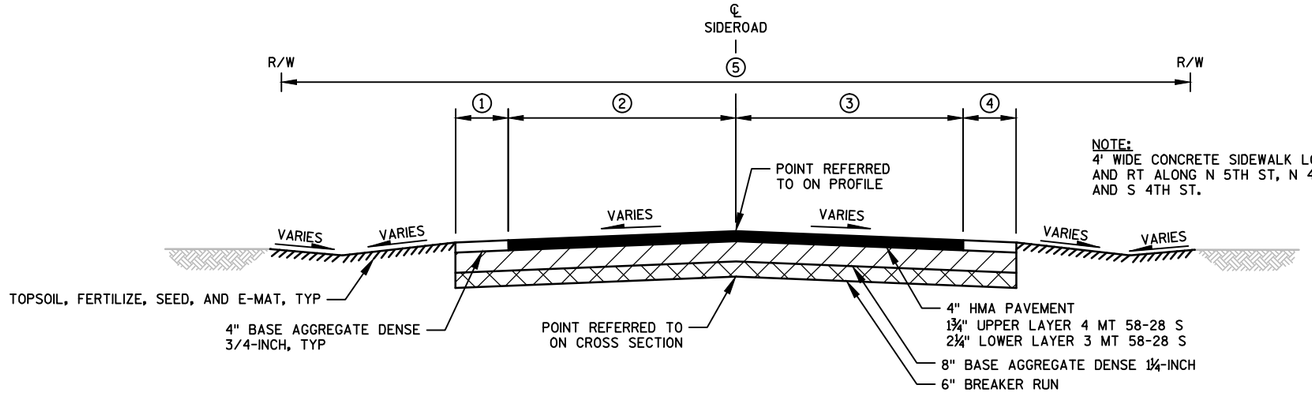
STA 170+20 - STA 187+00



FINISHED TYPICAL SECTION STH 116

STA 187+00 TO STA 187+97

PROJECT NO: 6190-15-71	HWY: STH 116	COUNTY: WINNEBAGO	TYPICAL SECTIONS	SHEET 10	E



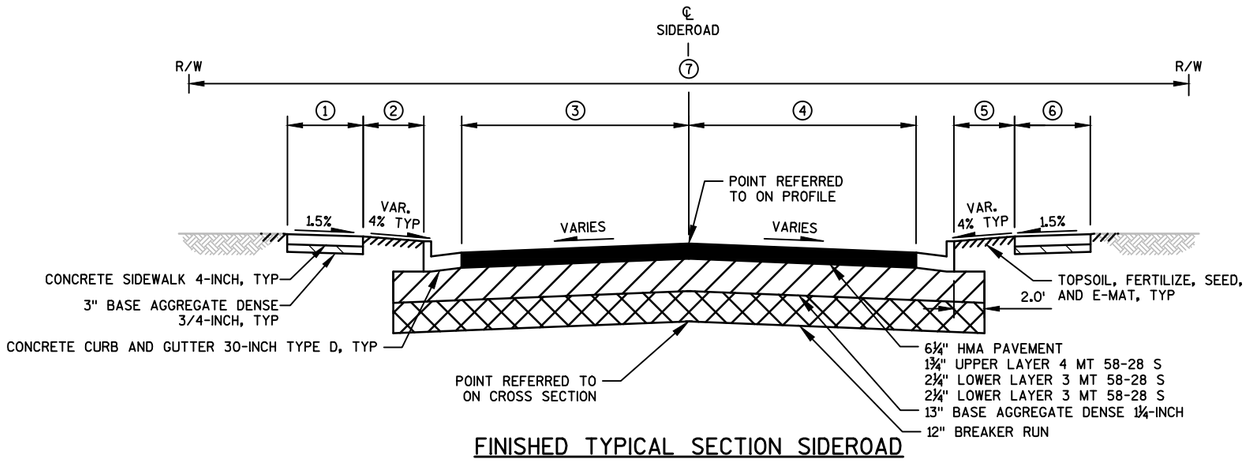
NOTE:
4' WIDE CONCRETE SIDEWALK LOCATED LT AND RT ALONG N 5TH ST, N 4TH ST, AND S 4TH ST.

FINISHED TYPICAL SECTION SIDEROAD

N 9TH ST
N 5TH ST AND S 5TH ST
N 4TH ST

ROADWAY	①	②	③	④	⑤
N 9TH ST	2.0'	15.0'	15.0'	2.0'	66.0'
N 5TH ST	2.0'	16.0'	16.0'	2.0'	66.0'
S 5TH ST	2.0'	16.0'	16.0'	2.0'	66.0'
N 4TH ST	2.0'	16.0'	16.0'	2.0'	66.0'

NOTE:
DIMENSIONS ② AND ③ MEASURED AT END OF PROPOSED CURB FLANGE



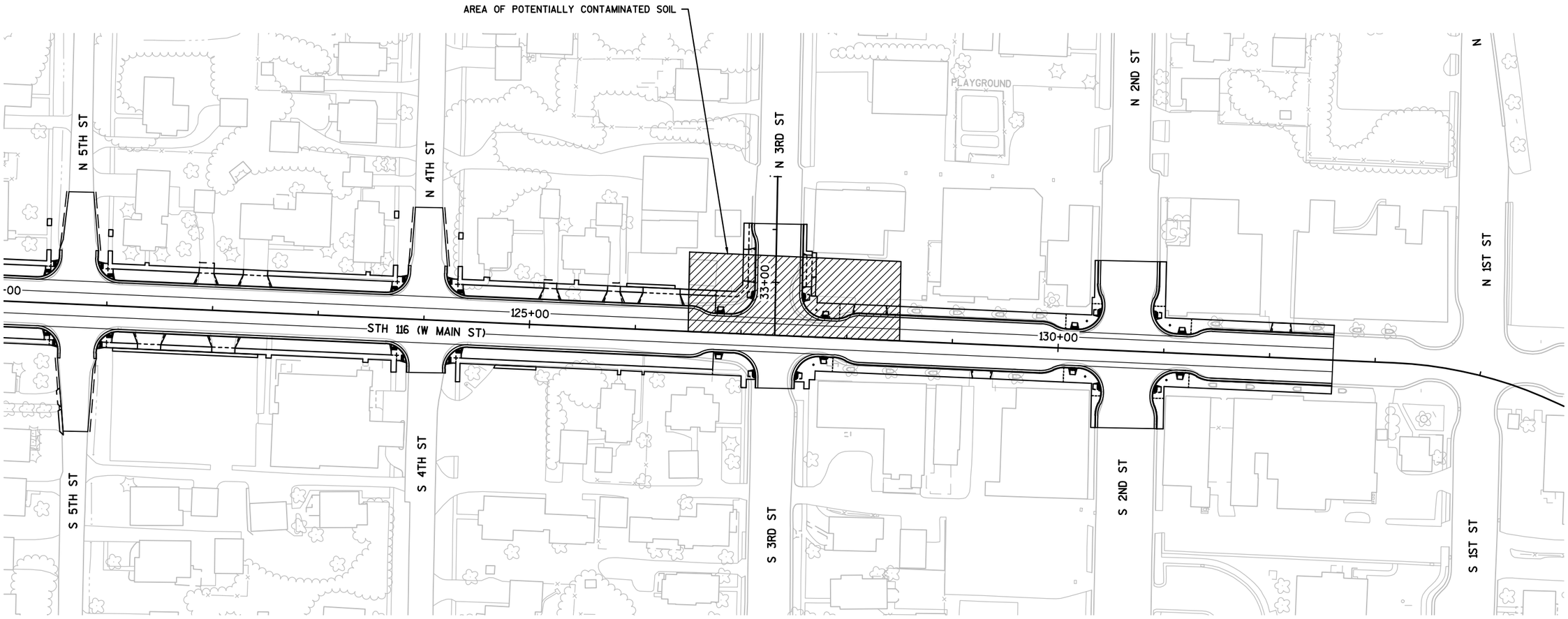
FINISHED TYPICAL SECTION SIDEROAD

N 7TH ST
N 6TH ST AND S 6TH ST
S 4TH ST
N 3RD ST AND S 3RD ST
N 2ND ST AND S 2ND ST
N 3RD AVE AND S 3RD AVE
N 4TH AVE AND S 4TH AVE
N 6TH AVE
N 7TH AVE AND S 7TH AVE
N 9TH AVE
N 13TH AVE

ROADWAY	①	②	③	④	⑤	⑥	⑦
N 7TH ST	-	-	16.0'	16.0'	-	-	66.0'
N 6TH ST	-	-	16.0'	16.0'	-	-	66.0'
S 6TH ST	-	-	16.0'	16.0'	-	-	66.0'
S 4TH ST	5.0'	9.5'	16.0'	16.0'	9.7'	4.0'	66.0'
N 3RD ST	7.5'	-	21.0'	23.0'	-	8.5'	66.0'
S 3RD ST	5.0'	8.5'	16.0'	16.0	9.0'	5.0'	66.0'
N 2ND ST	6.4'	-	26.75'	26.75'	-	6.9'	71.8'
S 2ND ST	6.4'	-	26.75'	26.75'	-	6.9'	71.8'
N 3RD AVE	4.0'	6.5'	16.0'	16.0'	7.0'	4.0'	60.0'
S 3RD AVE	4.0'	4.5'	17.0'	17.0'	5.0'	4.0'	60.0'
N 4TH AVE	-	-	14.0'	14.0'	4.75'	4.0'	60.0'
S 4TH AVE	-	-	16.0'	16.0'	-	-	60.0'
N 6TH AVE	4.0'	6.5'	16.0'	16.0'	-	-	60.0'
N 7TH AVE	-	-	16.0'	16.0'	-	-	60.0'
S 7TH AVE	-	-	16.0'	16.0'	-	-	60.0'
N 9TH AVE	5.0'	5.0'	24.0'	18.75'	VAR.	5.0'	66.0'
N 13TH AVE	VAR.	-	17.5'	17.5'	-	-	VAR.

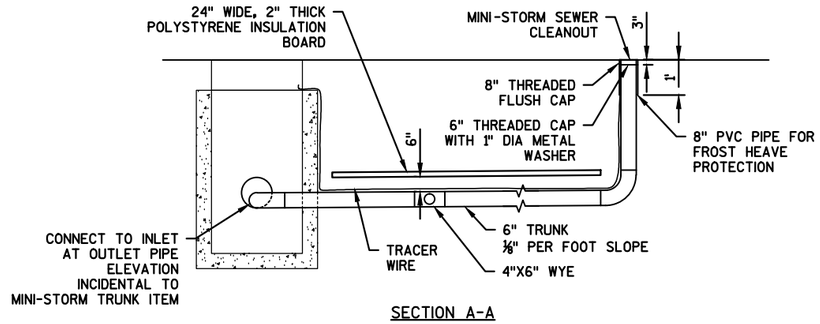
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N

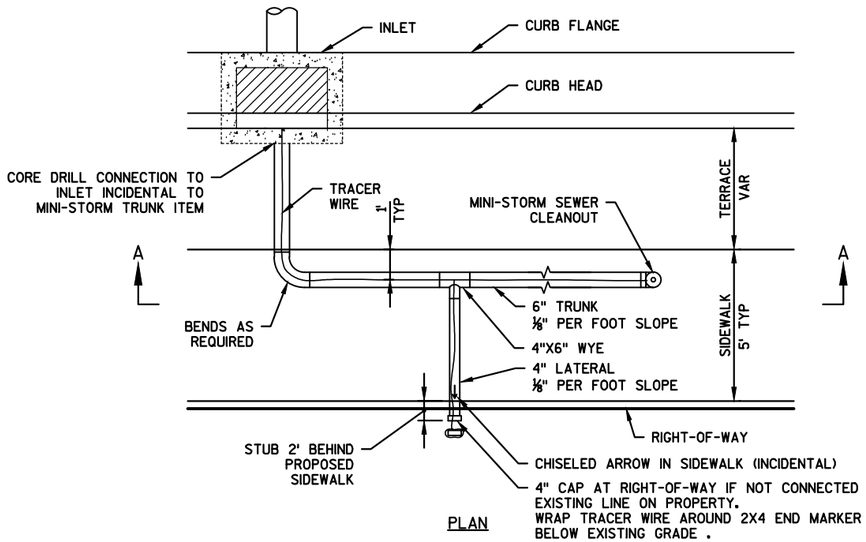


PROJECT NO: 6190-15-71	HWY: STH 116	COUNTY: WINNEBAGO	POTENTIAL SOIL CONTAMINATION LIMITS	SHEET 12	E

FILE NAME : F:\TR\JOBS\E2073A13\CIVIL 3D 2014\SHEETSPLAN\71 SHEETS\61901571-021001-CD.DWG
LAYOUT NAME - 61901571-021001-CD
PLOT DATE : 9/19/2017 9:02 AM PLOT BY : ANDREW WESTBROOK PLOT NAME : PLOT SCALE : **********
WISDOT/CADDS SHEET 44

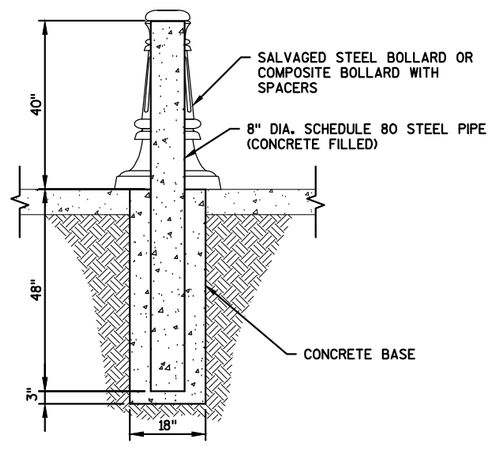


SECTION A-A

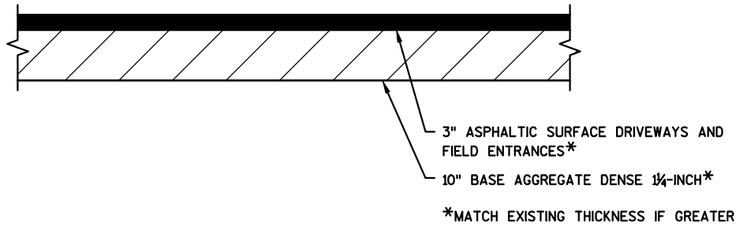


PLAN

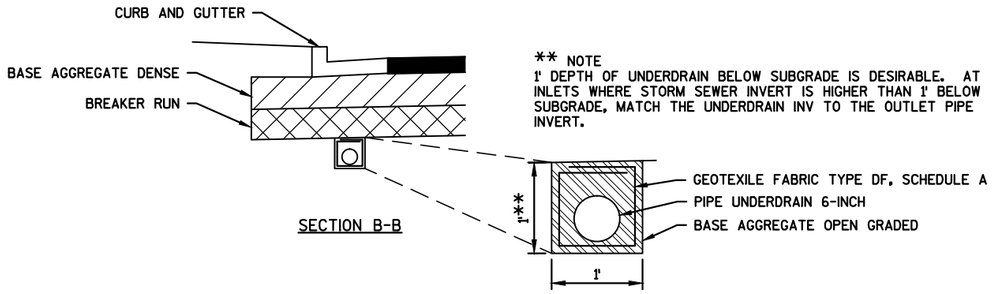
MINI STORM TRUNK DETAIL



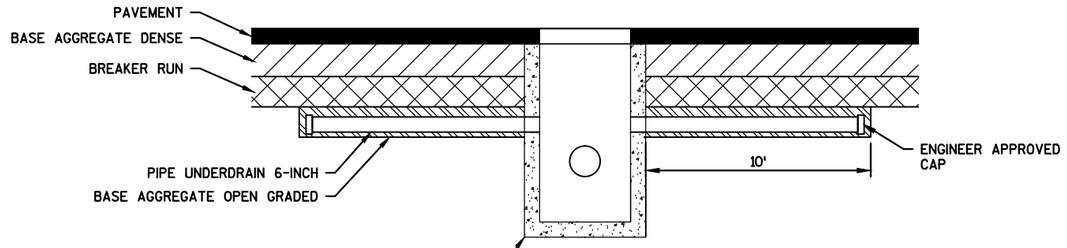
BOLLARD DETAIL



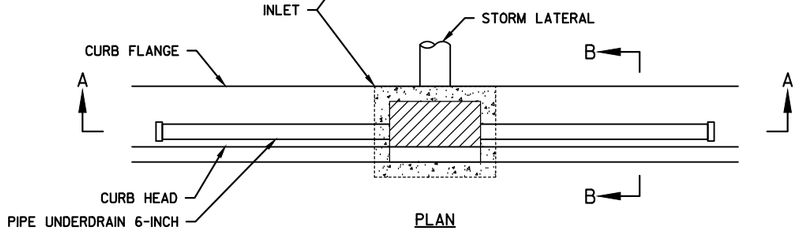
PARKING LOT RECONSTRUCTION TYPICAL PAVEMENT SECTION



SECTION B-B



SECTION A-A



PLAN

PIPE UNDERDRAIN DETAIL
LOCATED AT PROFILE LOW POINTS: SEE PLAN

PROJECT NO: 6190-15-71	HWY: STH 116	COUNTY: WINNEBGAO	CONSTRUCTION DETAILS	SHEET 13	E

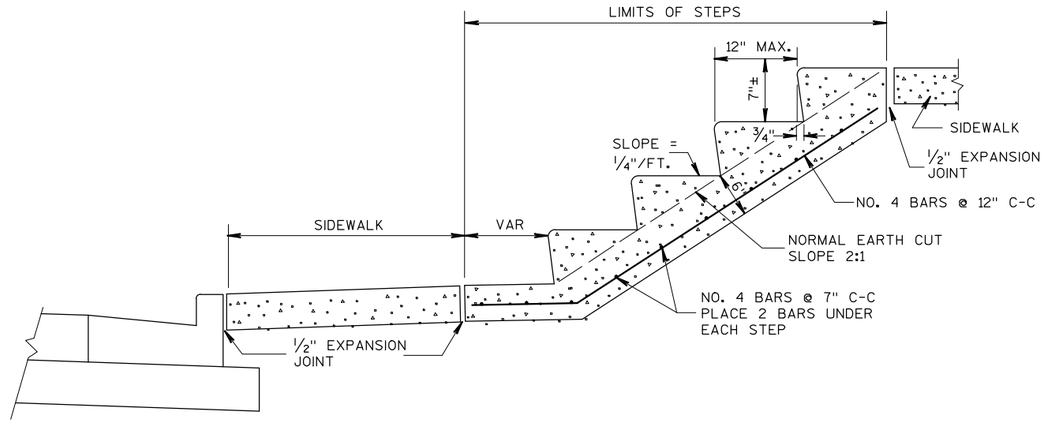
2

NOTE:

THE EXACT LOCATION, WIDTHS, & NUMBER OF STEPS TO BE DETERMINED BY THE ENGINEER IN THE FIELD.

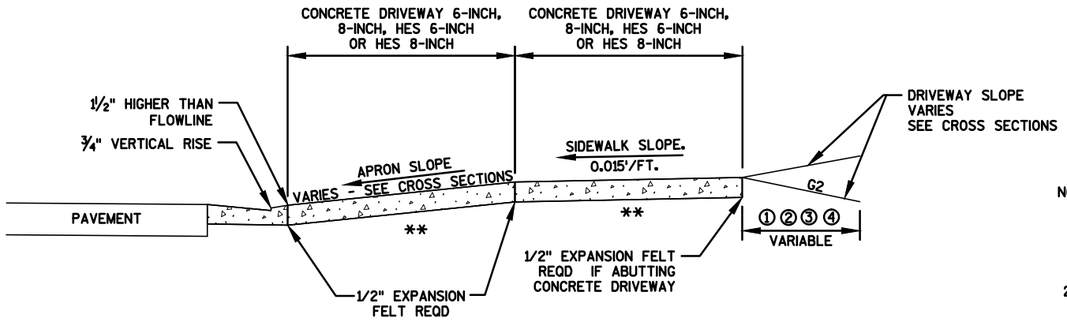
STEEL REINFORCEMENT NOT REQUIRED ON STEPS WITH 2 RISERS OR LESS.

MINIMUM WIDTH OF STEP EQUALS 4 FEET.

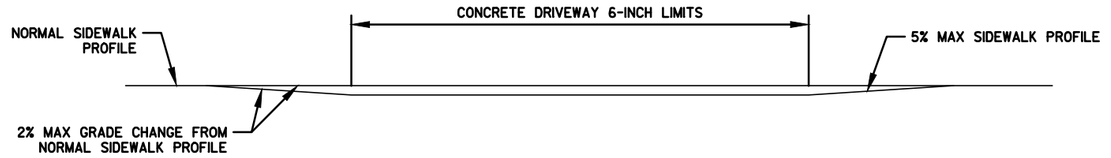


CONCRETE STEPS DETAIL

2



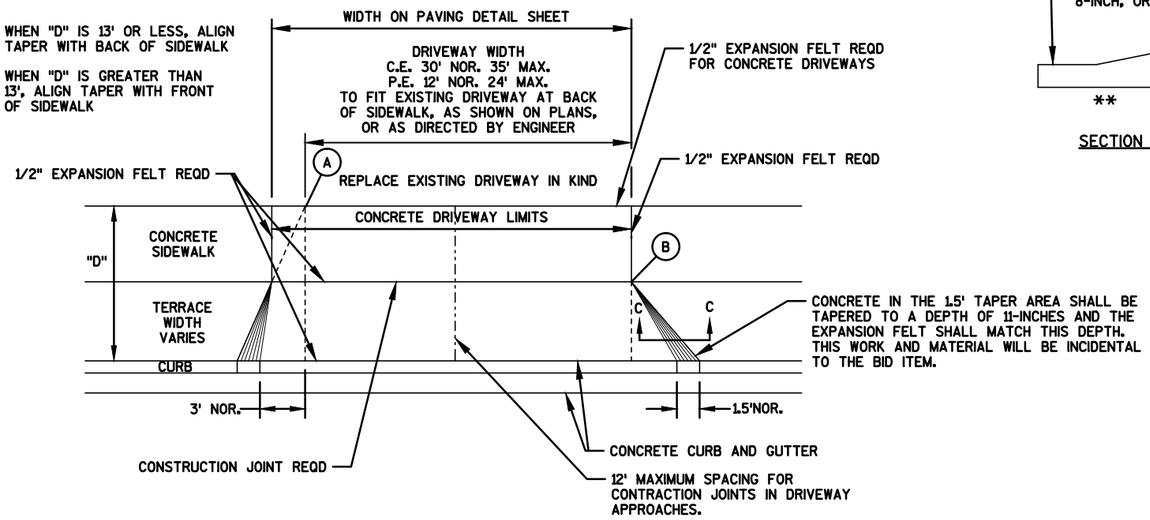
TYPICAL SIDEWALK SECTION



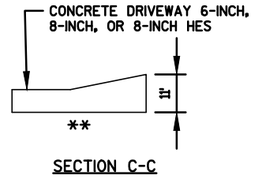
DEPRESSED SIDEWALK PROFILE DETAIL

Ⓐ 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



SECTION C-C

① 6-INCH OR 8-INCH CONCRETE DRIVEWAY OR HES 6-INCH OR 8-INCH 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)

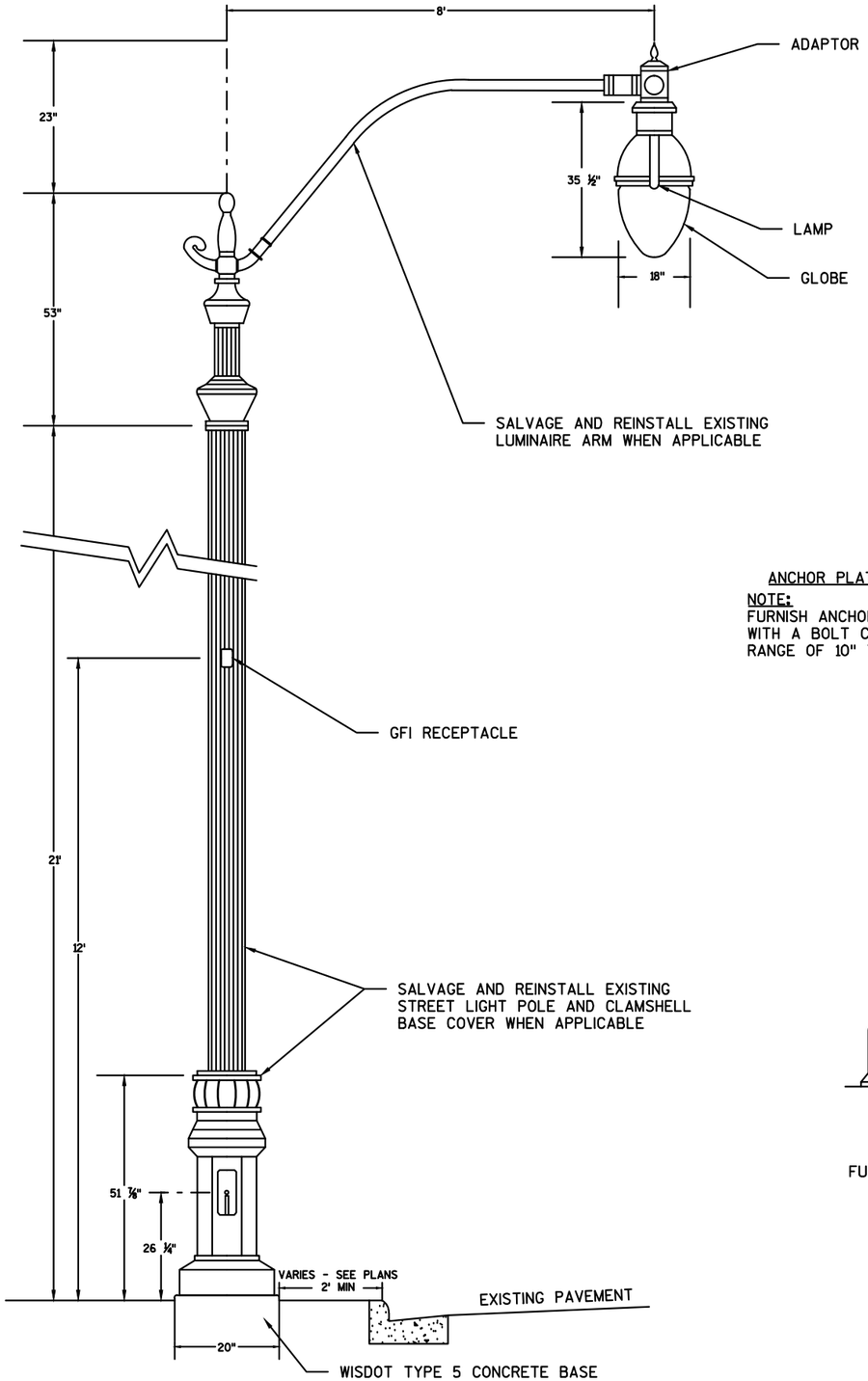
④ COMMERCIAL - MINIMUM 9" BASE AGG. DENSE 1 1/4-INCH BASE WITH MINIMUM 3" ASPHALTIC SURFACE (OR MATCH EXISTING)

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

NOTES:

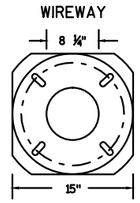
1. ALGEBRAIC DIFFERENCE BETWEEN TANGENT GRADES G1 & G2 TO NOT EXCEED 15%

URBAN DRIVEWAY WITH SIDEWALK DETAIL STANDARD



ANCHOR PLATE

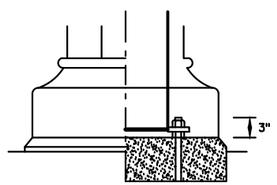
NOTE:
FURNISH ANCHOR PLATE WITH A BOLT CIRCLE RANGE OF 10" TO 13"



-- NOT TO SCALE --

BASE DETAILS

BOLT PROJECTION



FURNISH 4 ANCHOR BOLTS, 8 NUTS AND 8 WASHERS

-- NOT TO SCALE --

LUMINAIRE - INSTALL NEW

MODEL: RENAISSANCE SERIES - RN20

GLOBE: ACRYLIC PRISMATIC GLOBE - LE3R WITH HOUSE SHIELD

LAMP: 55 WATT, 32 LED, 3K, TYPE 3 DISTRIBUTION, 240 VOLT

ADAPTOR: SMA, SIDE-MOUNTED CAST-ALUMINUM

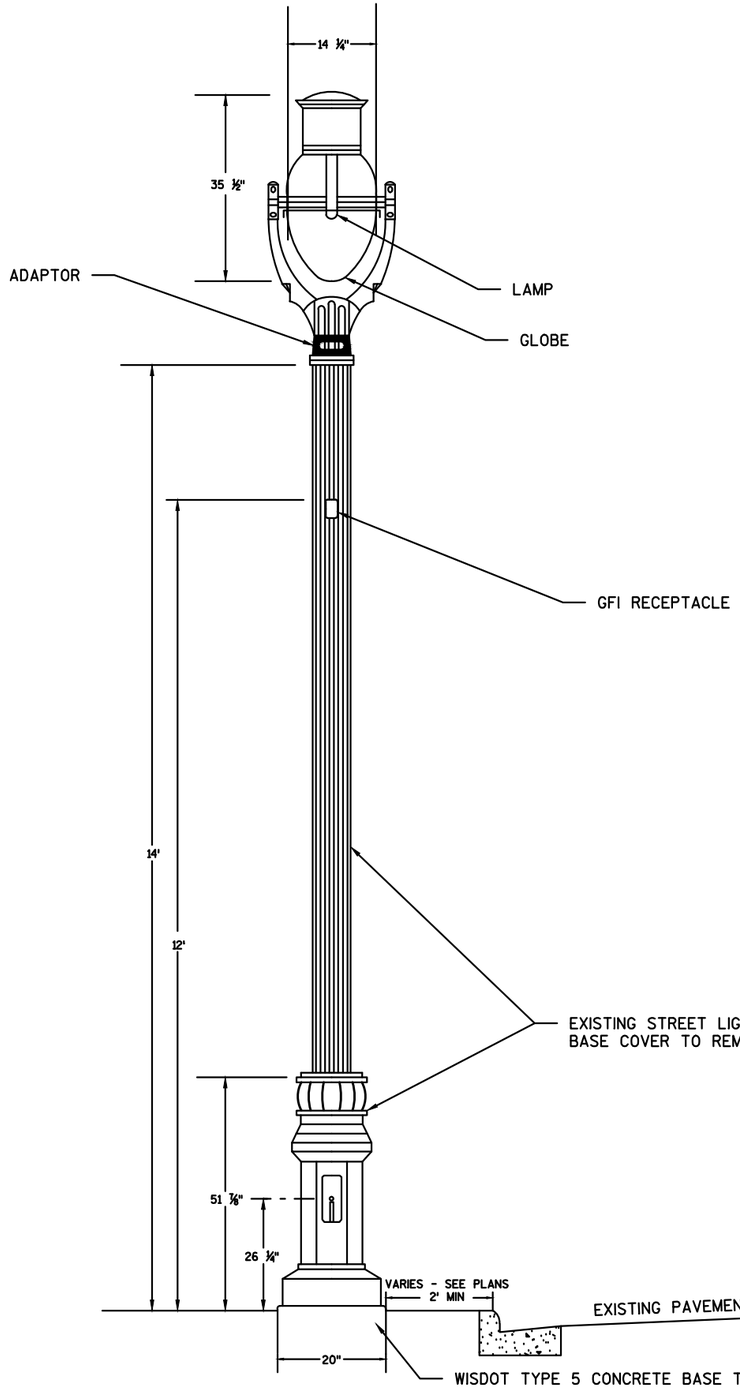
LUMINAIRE ARM - SALVAGE AND REINSTALL OR REMAIN IN PLACE

POLE - SALVAGE AND REINSTALL OR REMAIN IN PLACE

MISCELLANEOUS

HARDWARE: ALL EXPOSED SCREWS WILL BE IN STAINLESS STEEL. ALL SEALS AND SEALING DEVICES ARE MADE AND/OR LINED WITH EPDM AND/OR SILICON.

DECORATIVE LIGHTING - TYPE A	
REMOVE AND SALVAGE DECORATIVE STREET LIGHT ASSEMBLY	SPV.0060.311
REINSTALL SALVAGED DECORATIVE STREET LIGHT ASSEMBLY	SPV.0060.312
DECORATIVE LUMINAIRE TYPE A	SPV.0060.313



LUMINAIRE - INSTALL NEW

MODEL: RENAISSANCE SERIES - RNS20

GLOBE: ACRYLIC PRISMATIC GLOBE - LE3R WITH HOUSE SHIELD

LAMP: 35 WATT, 32 LED, 3K, TYPE 3 DISTRIBUTION, 240 VOLT

ADAPTOR: YM - POST-TOP MOUNTED

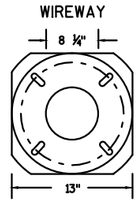
POLE - REMAIN IN PLACE

MISCELLANEOUS

HARDWARE: ALL EXPOSED SCREWS WILL BE IN STAINLESS STEEL. ALL SEALS AND SEALING DEVICES ARE MADE AND/OR LINED WITH EPDM AND/OR SILICON.

ANCHOR PLATE

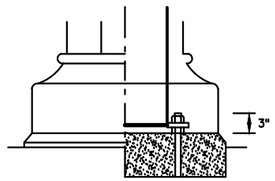
NOTE:
FURNISH ANCHOR PLATE WITH A BOLT CIRCLE RANGE OF 11" TO 13"



-- NOT TO SCALE --

BASE DETAILS

BOLT PROJECTION



FURNISH 4 ANCHOR BOLTS, 8 NUTS AND 8 WASHERS

-- NOT TO SCALE --

DECORATIVE LIGHTING - TYPE B

DECORATIVE LUMINAIRE - TYPE B	SPV.0060.314

TABLE OF NOMINAL DIMENSIONS AND WEIGHTS

NON-CONDUCTIVE PULL BOX DIMENSION (INCHES)			
BOX DIAMETER ** (INSIDE)	A	24	24
BOX DIAMETER ** (OUTSIDE)	B	25	25
BOX LENGTH	C	36	42
COVER	D	25 1/2	25 1/2
FRAME	E	27	27
FRAME	F	25 3/4	25 3/4
FRAME	G	22 1/2	22 1/2
WEIGHT (POUNDS) *			
COVER		50	50

* THE ACTUAL WEIGHT OF THE COVER MAY VARY NOT TO EXCEED 100 LBS.

** 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 DISCONTINUITIES LESS THAN 1/4".

BOXES AND EXTENSIONS ARE TRIMMABLE FOR CUSTOM LENGTHS. TRIMMED PIECES SHALL MAINTAIN A UNIFORM LENGTH.

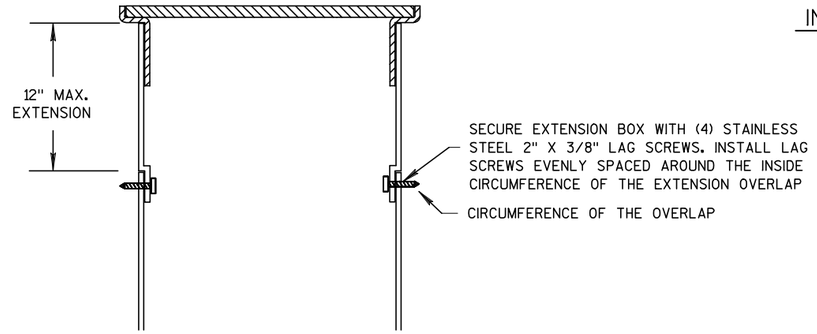
ENTRANCE HOLES INTO PULL BOXES SHALL BE CUT WITH A CIRCULAR HOLE SAW OR HYDRAULIC CONDUIT PUNCH. HOLE SIZE SHALL BE THE OUTSIDE DIAMETER OF THE CONDUIT THAT IS TO FIT IN THE OPENING PLUS NO MORE THAN 1/4".

THE CONTRACTOR SHALL NOT INSTALL WIRE IN ANY PULL BOX UNTIL ITS INSTALLATION HAS BEEN INSPECTED AND ACCEPTED BY THE ENGINEER.

ENTIRE BOX MUST BE CONSTRUCTED OF NON-CONDUCTIVE MATERIALS WITH THE EXCEPTION OF STAINLESS STEEL FASTENERS.

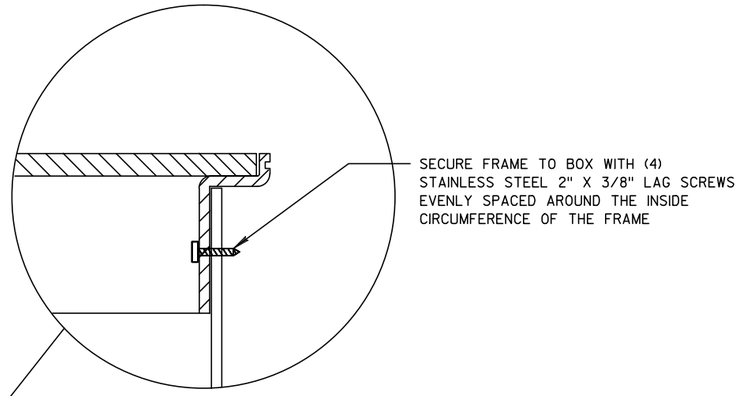
WHEN A PULL BOX IS INSTALLED IN CRUSHED AGGREGATE SHOULDERS, PLACE IT 2-3 INCHES BELOW GRADE AND COVER IT WITH 2-3 INCHES OF CRUSHED AGGREGATE.

LABEL ON COVER SHALL READ "ELECTRIC" FOR SIGNAL OR LIGHTING SYSTEMS. "WISDOT COMMUNICATIONS" FOR COMMUNICATIONS SYSTEMS.

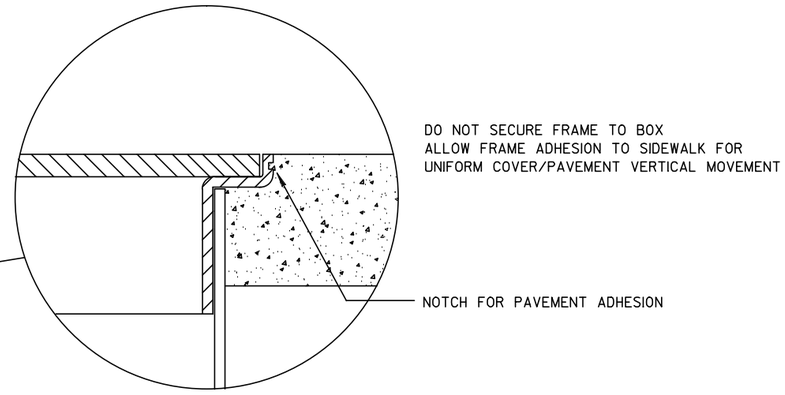


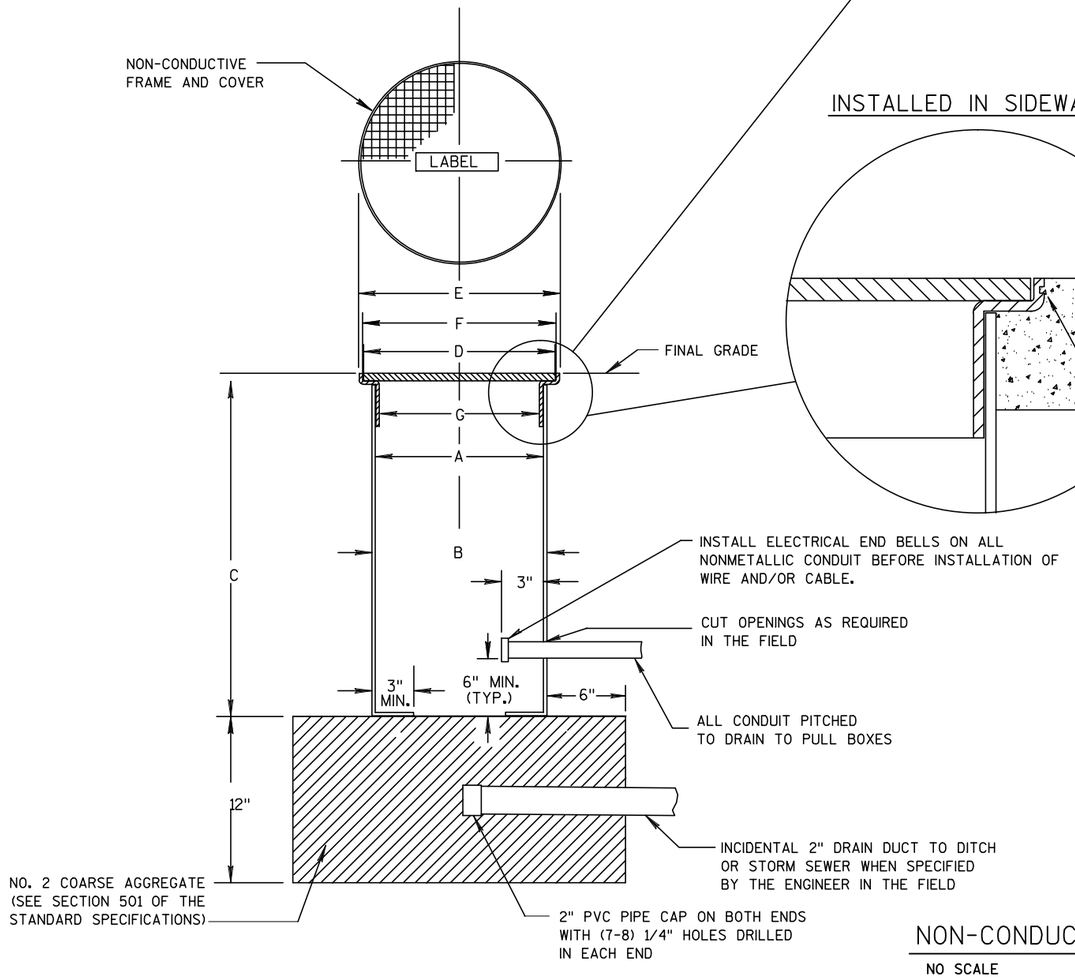
BOX EXTENSION

INSTALLED IN SOD OR CRUSHED AGGREGATE



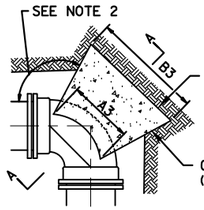
INSTALLED IN SIDEWALK



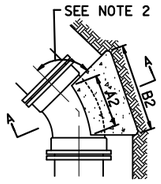


NON-CONDUCTIVE PULL BOX

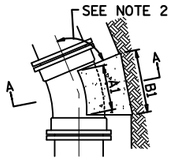
NO SCALE



PLAN - 90° BEND



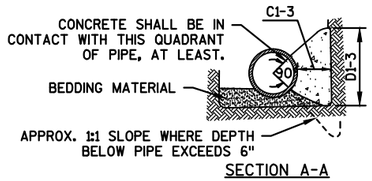
PLAN - 45° BEND



PLAN - 22-1/2° BEND

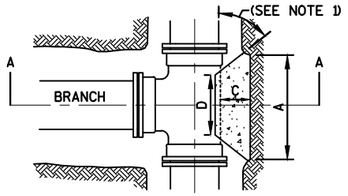
NOTES:
1. DIMENSIONS IN TABLE ARE BASED ON A WATER PRESSURE OF 150 P.S.I. AND ON EARTH RESISTANCE OF 2 TONS PER SQ. FT.
2. DIMENSION C1-3 SHOULD BE LARGE ENOUGH TO MAKE ANGLE EQUAL TO OR LARGER THAN 45°.
3. DIMENSION A1-3 SHOULD BE AS LARGE AS POSSIBLE WITHOUT INTERFERING WITH M.J. BOLTS.
4. SHAPE OF BACK OF BUTTRESS MAY VARY AS LONG AS POUR IS AGAINST FIRM UNDISTURBED EARTH.
5. ALL IRON PIPE AND FITTINGS SHALL BE WRAPPED IN POLYETHYLENE.

BUTTRESS DIMENSIONS						
PIPE SIZE	22-1/2° BENDS		45° BENDS		90° BENDS	
	B1	D1	B2	D2	B3	D3
6"	1'-0"	1'-0"	1'-0"	1'-0"	1'-4"	1'-2"
8"	1'-0"	1'-0"	1'-4"	1'-2"	1'-10"	1'-6"
12"	1'-4"	1'-4"	1'-10"	1'-10"	2'-0"	2'-3"
16"	1'-10"	1'-8"	2'-6"	2'-4"	3'-10"	2'-10"
20"	2'-4"	2'-0"	3'-3"	2'-10"	3'-0"	3'-4"
24"	2'-10"	2'-4"	4'-0"	3'-3"	6'-4"	3'-10"
30"	3'-6"	3'-0"	5'-4"	3'-10"	8'-0"	4'-8"

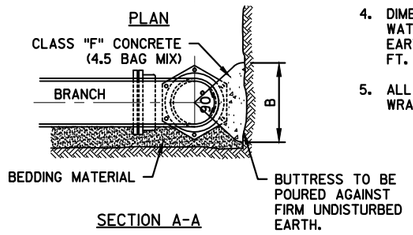


SECTION A-A

BLOCKING FOR BENDS



PLAN



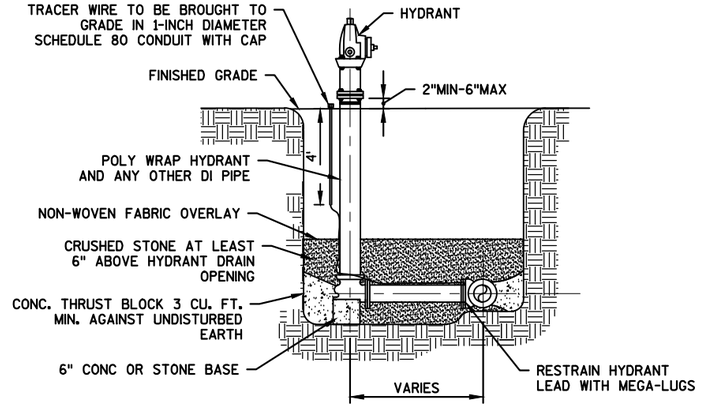
SECTION A-A

NOTES:
1. DIMENSION "C" SHOULD BE LARGE ENOUGH TO MAKE ANGLE EQUAL TO OR LARGER THAN 45°.
2. DIMENSION "D" EQUALS APPROX. I.D. OF PIPE LESS 2". AN EFFORT SHOULD BE MADE TO PREVENT THE CONCRETE FROM COVERING THE M.J. BOLTS.
3. WHERE BUTTRESSES ARE NOT POSSIBLE BECAUSE OF POOR SOIL CONDITIONS OR LACK OF ROOM, STRAPPING SHALL BE PERMITTED.
4. DIMENSIONS IN TABLE ARE BASED ON A WATER PRESSURE OF 150 P.S.I. AND ON EARTH RESISTANCE OF 2 TONS PER SQ. FT.
5. ALL IRON PIPE AND FITTINGS SHALL BE WRAPPED IN POLYETHYLENE.

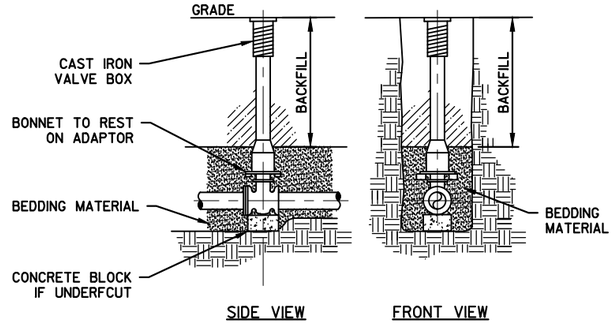
BUTTRESS DIMENSIONS				
B.D.	A	B	C	D
6"	1'-3"	1'-0"	SEE NOTE 1	SEE NOTE 2
8"	1'-6"	1'-4"		
12"	2'-3"	2'-0"		
16"	3'-2"	2'-6"		
20"	4'-0"	3'-0"		
24"	5'-3"	3'-4"		
30"	6'-6"	4'-3"		

B.D. = BRANCH DIAMETER

BLOCKING FOR TEES

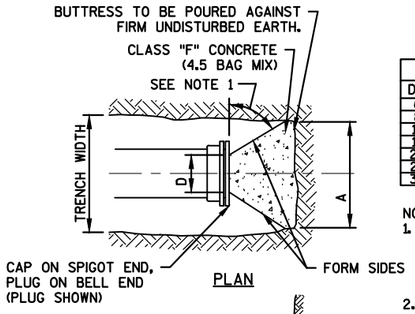


HYDRANT DETAIL

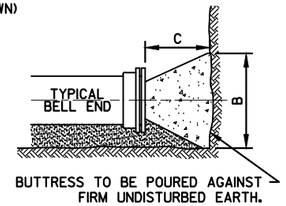


SIDE VIEW FRONT VIEW

STANDARD VALVE AND BOX SETTING



PLAN

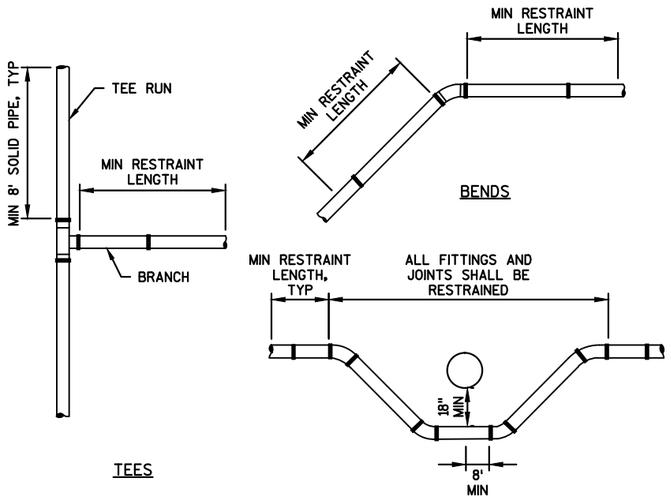


ELEVATION

BUTTRESS DIMENSIONS				
DIA.	A	B	C	D
6"	1'-6"	1'-2"	SEE NOTE 2	SEE NOTE 3
8"	2'-0"	1'-4"		
12"	2'-5"	1'-10"		
16"	3'-4"	2'-4"		
20"	4'-3"	2'-10"		
24"	5'-2"	3'-4"		
30"	6'-9"	4'-0"		

NOTES:
1. DIMENSIONS IN TABLE ARE BASED ON A WATER PRESSURE OF 150 P.S.I. AND ON EARTH RESISTANCE OF 2 TONS PER SQ. FT.
2. DIMENSION C SHOULD BE LARGE ENOUGH TO MAKE ANGLE EQUAL TO OR LARGER THAN 45°.
3. DIMENSION D SHOULD BE AS LARGE AS POSSIBLE WITHOUT INTERFERING WITH M.J. BOLTS.
4. SHAPE OF BACK OF BUTTRESS MAY VARY AS LONG AS POUR IS AGAINST FIRM UNDISTURBED EARTH.
5. ALL IRON PIPE AND FITTINGS SHALL BE WRAPPED IN POLYETHYLENE.

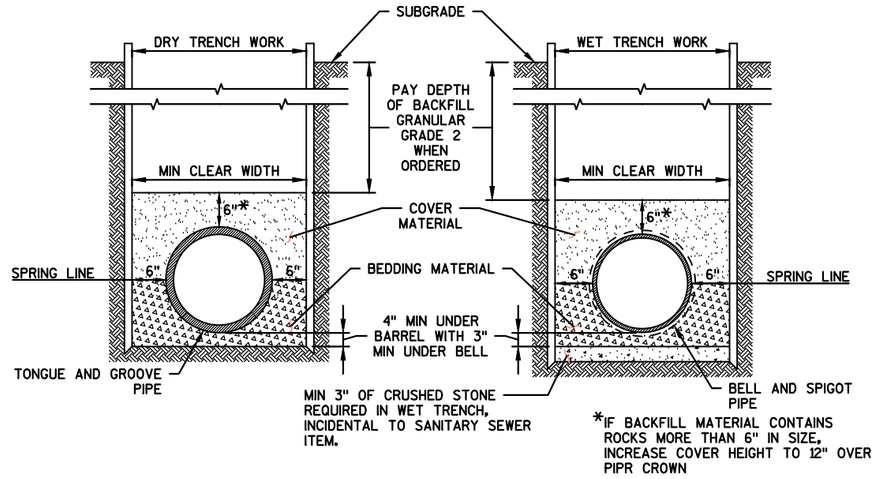
BLOCKING FOR PLUGS



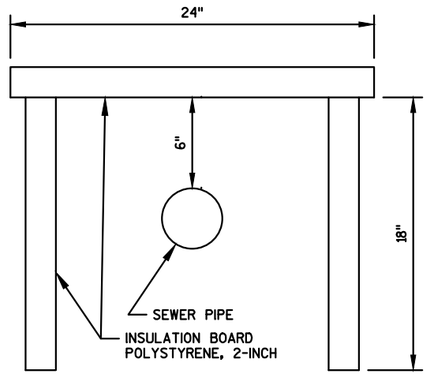
MINIMUM RESTRAINT LENGTH ON BOTH SIDES OF FITTING				
FITTING TYPE / NOMINAL SIZE	6"	8"	12"	16"
11 1/4° BEND	2'	2'	3'	3'
22 1/2° BEND	3'	3'	5'	6'
45° BEND	5'	6'	9'	11'
90° BEND	11'	15'	21'	27'
DEAD END	30'	40'	56'	73'
TOP SIDE OF VERTICAL OFFSET	13'	17'	24'	31'
TEE RUN X BRANCH 6" BY	14'			
TEE RUN X BRANCH 8" BY	10'	24'		
TEE RUN X BRANCH 12" BY	1'	15'	40'	
TEE RUN X BRANCH 16" BY	1'	7'	33'	56'

NOTES:
1. ALL FITTINGS WILL BE RESTRAINED WITH A MEGA-LUG TYPE RESTRAINT.
2. FOR WATERMAIN CROSSING SANITARY OR STORM SEWERS, PROVIDE MINIMUM SEPARATION OF 18" UNDER AND 6" OVER SANITARY OR STORM PIPE.

WATER MAIN RESTRAINT DETAIL

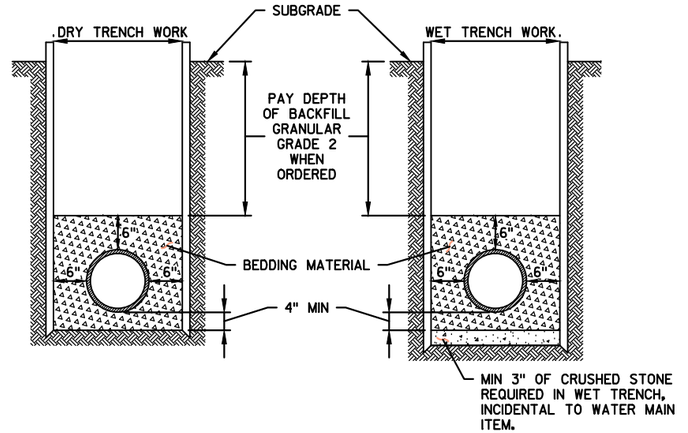


PVC SANITARY SEWER BEDDING DETAIL



SANITARY MAIN AND SERVICE LATERAL INSULATION DETAIL

SAN99 - SAN95.1
SERVICE LATERAL 111+25 RT
SERVICE LATERAL 112+19 LT



WATER MAIN BEDDING DETAIL

2

S 3RD ST

S 2ND ST

STH 116

127+00

128+00

129+00

130+00

131+00

132+00

23+00

22+00

REMOVE/REINSTALL BOLLARD REMOVE BASE

REMOVE/REINSTALL BENCH

REMOVE/REINSTALL WASTE RECEPTACLE

PLANTER TO REMAIN TYP

REMOVE/REINSTALL BOLLARD REMOVE BASE

ANTICIPATED AREA OF CONCRETE PAVEMENT REMOVAL PER AS-BUILT INFORMATION

REMOVE/REINSTALL BENCH

REMOVE/REINSTALL WASTE RECEPTACLE

REMOVE/REINSTALL BOLLARD REMOVE BASE

ARBOR TO REMAIN TYP

SAWCUT, TYP

SLOPE INTERCEPT, TYP

REMOVE/REINSTALL WASTE RECEPTACLE

REMOVE/REINSTALL BENCH

REMOVE/REINSTALL KIOSK

REMOVE/REINSTALL WASTE RECEPTACLE

REMOVE/REINSTALL BENCH

REMOVE/REINSTALL BOLLARD REMOVE BASE

NOTES:

1. SEE STORM SEWER DETAIL SHEETS FOR STORM SEWER REMOVALS
2. SEE LIGHTING DETAIL SHEETS FOR LIGHTING REMOVALS
3. CONCRETE SIDEWALK AND CURB AND GUTTER REMOVALS NOT SHOWN
4. SEE PAVING DETAIL SHEETS FOR STREETSCAPE ELEMENT REINSTALLATION LOCATIONS.

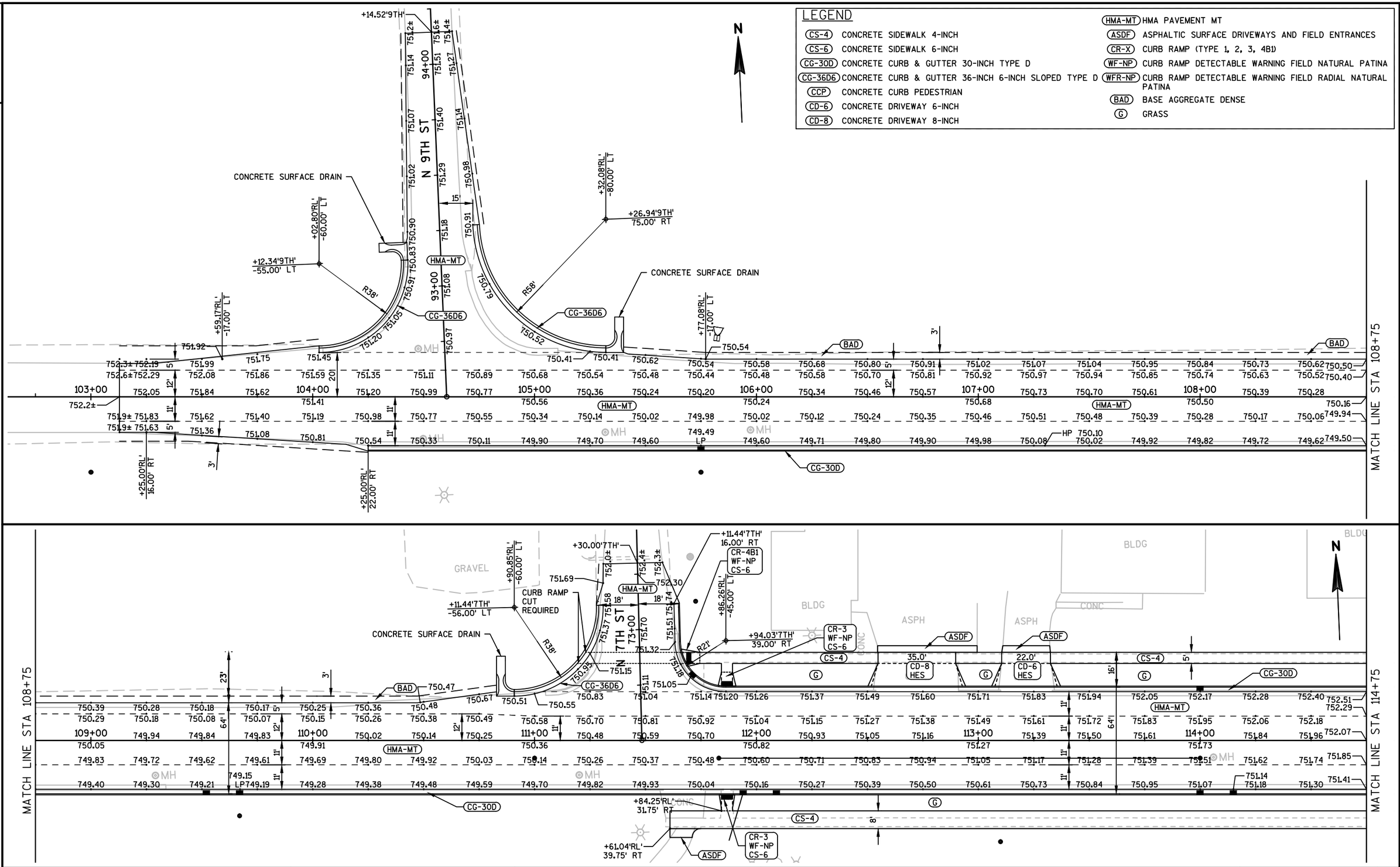
PROJECT NO: 6190-15-71	HWY: STH 116	COUNTY: WINNEBAGO	STREETSCAPE REMOVALS	SHEET 21	E

FILE NAME : F:\TR\JOBS\E2073A13\CIVIL 3D 2014\SHEETSPLAN\71 SHEETS\61901571-021050-RM.DWG
LAYOUT NAME - 61901571-021050-RM
PLOT DATE : 9/19/2017 9:04 AM PLOT BY : ANDREW WESTBROOK PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

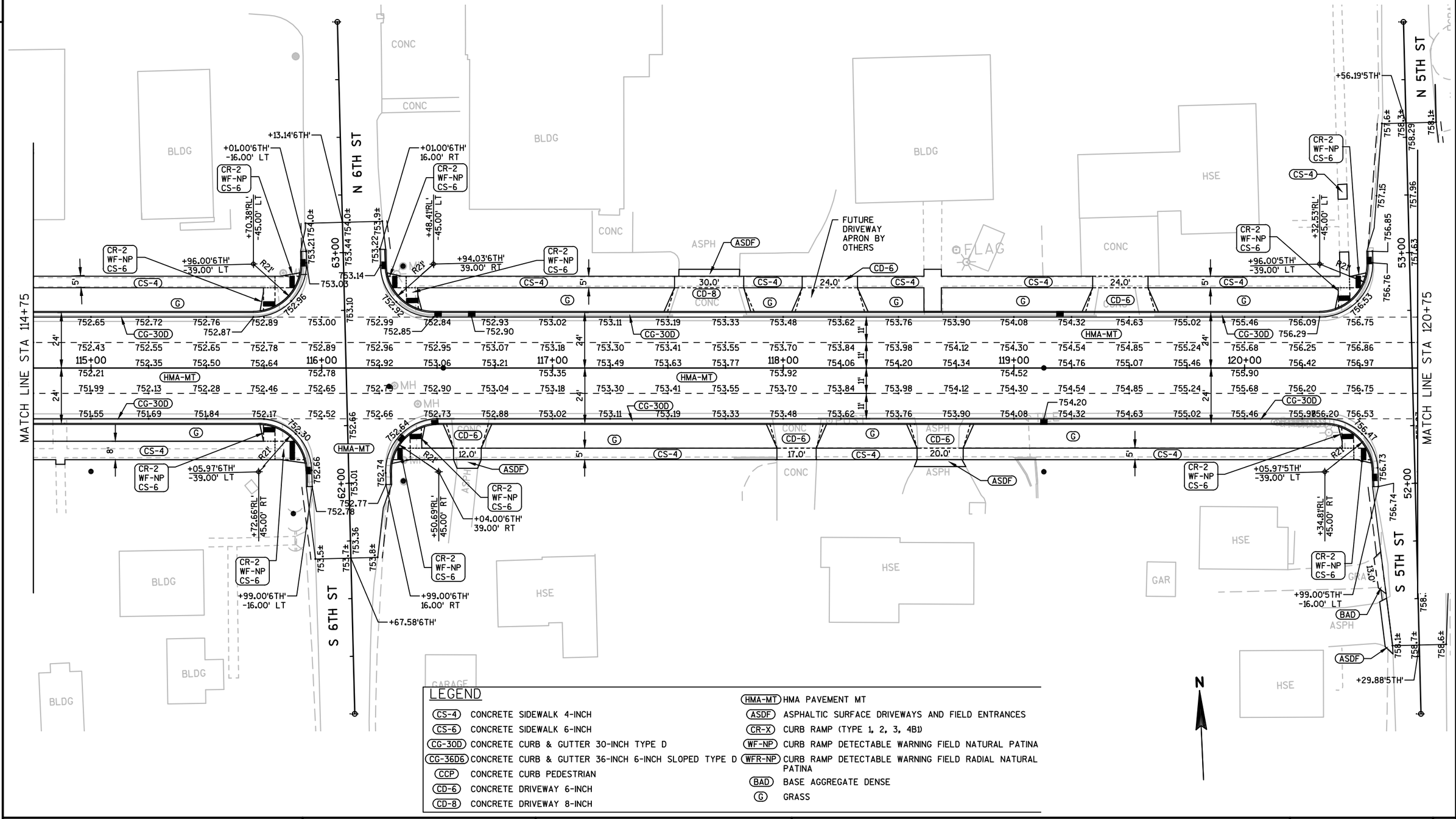
LEGEND

CS-4	CONCRETE SIDEWALK 4-INCH	HMA-MT	HMA PAVEMENT MT
CS-6	CONCRETE SIDEWALK 6-INCH	ASDF	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES
CG-30D	CONCRETE CURB & GUTTER 30-INCH TYPE D	CR-X	CURB RAMP (TYPE 1, 2, 3, 4B1)
CG-36D6	CONCRETE CURB & GUTTER 36-INCH 6-INCH SLOPED TYPE D	WF-NP	CURB RAMP DETECTABLE WARNING FIELD NATURAL PATINA
CCP	CONCRETE CURB PEDESTRIAN	WFR-NP	CURB RAMP DETECTABLE WARNING FIELD RADIAL NATURAL PATINA
CD-6	CONCRETE DRIVEWAY 6-INCH	BAD	BASE AGGREGATE DENSE
CD-8	CONCRETE DRIVEWAY 8-INCH	G	GRASS



PROJECT NO: 6190-15-71	HWY: STH 116	COUNTY: WINNEBAGO	PAVING DETAILS	SHEET 22 E

2

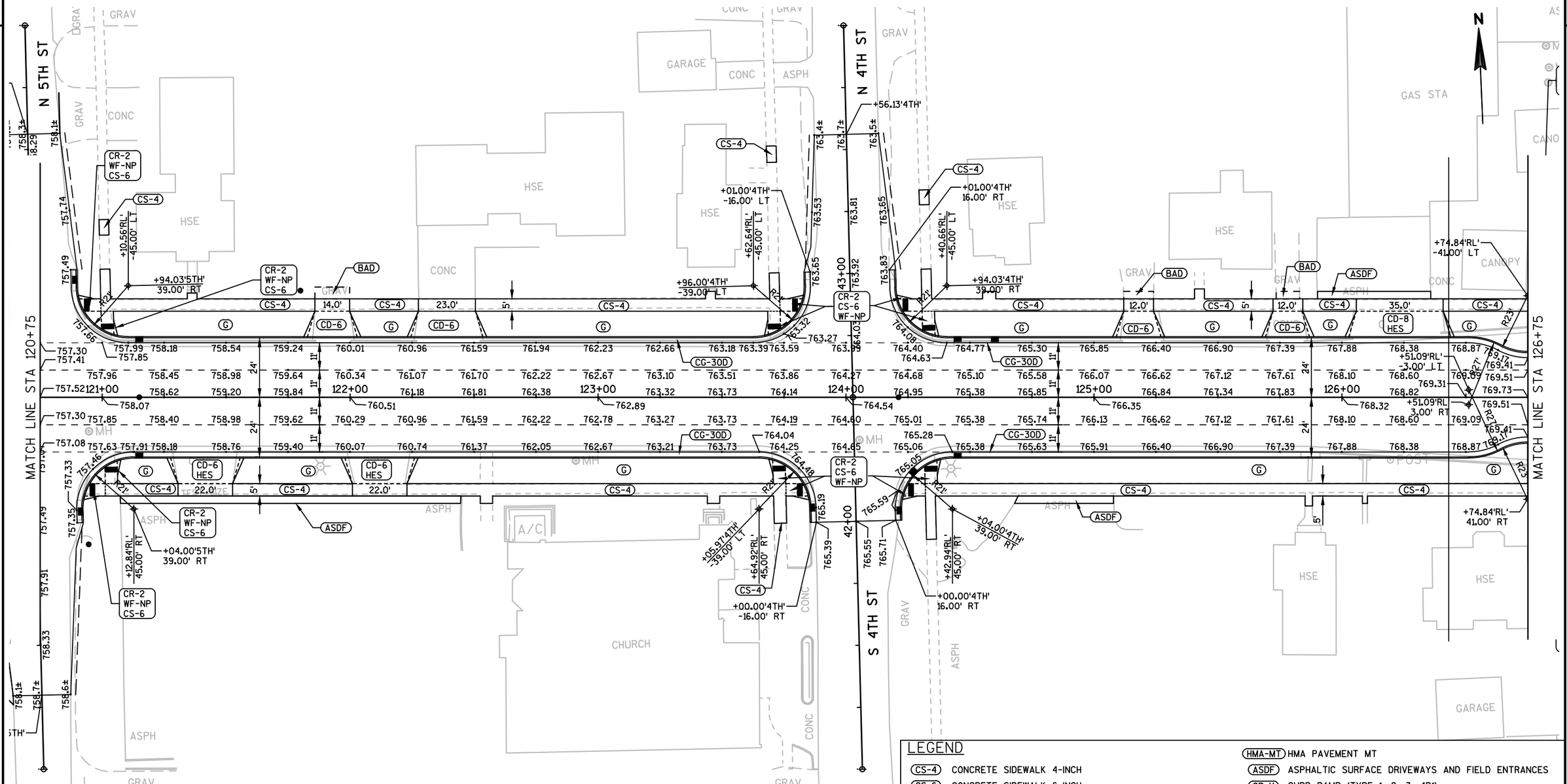


LEGEND

CS-4	CONCRETE SIDEWALK 4-INCH	HMA-MT	HMA PAVEMENT MT
CS-6	CONCRETE SIDEWALK 6-INCH	ASDF	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES
CG-30D	CONCRETE CURB & GUTTER 30-INCH TYPE D	CR-X	CURB RAMP (TYPE 1, 2, 3, 4B1)
CG-36D6	CONCRETE CURB & GUTTER 36-INCH 6-INCH SLOPED TYPE D	WF-NP	CURB RAMP DETECTABLE WARNING FIELD NATURAL PATINA
CCP	CONCRETE CURB PEDESTRIAN	WFR-NP	CURB RAMP DETECTABLE WARNING FIELD RADIAL NATURAL PATINA
CD-6	CONCRETE DRIVEWAY 6-INCH	BAD	BASE AGGREGATE DENSE
CD-8	CONCRETE DRIVEWAY 8-INCH	G	GRASS

PROJECT NO: 6190-15-71	HWY: STH 116	COUNTY: WINNEBAGO	PAVING DETAILS	SHEET 23 E

2

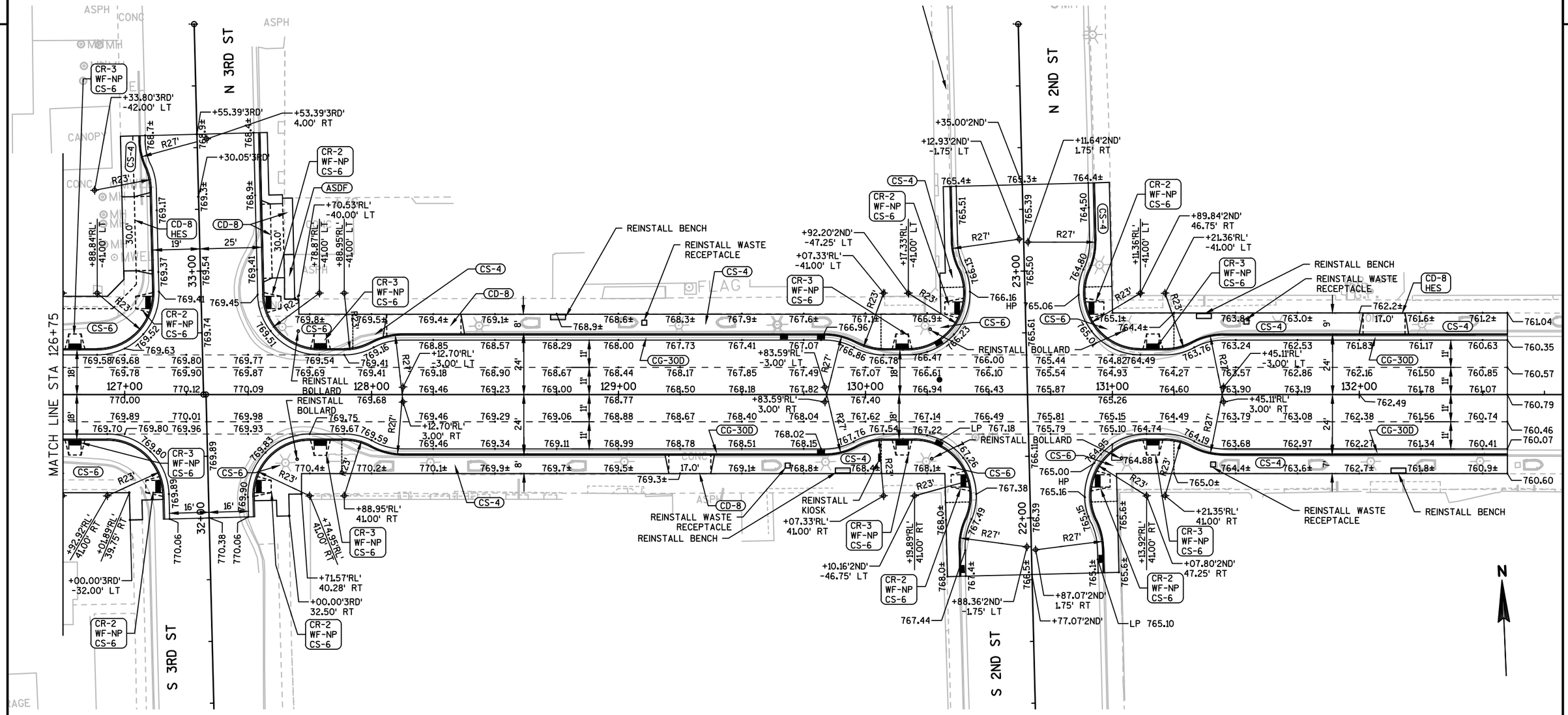


LEGEND

CS-4	CONCRETE SIDEWALK 4-INCH	HMA-MT	HMA PAVEMENT MT
CS-6	CONCRETE SIDEWALK 6-INCH	ASDF	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES
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CG-36D6	CONCRETE CURB & GUTTER 36-INCH 6-INCH SLOPED TYPE D	WF-NP	CURB RAMP DETECTABLE WARNING FIELD NATURAL PATINA
CCP	CONCRETE CURB PEDESTRIAN	WFR-NP	CURB RAMP DETECTABLE WARNING FIELD RADIAL NATURAL PATINA
CD-6	CONCRETE DRIVEWAY 6-INCH	BAD	BASE AGGREGATE DENSE
CD-8	CONCRETE DRIVEWAY 8-INCH	G	GRASS

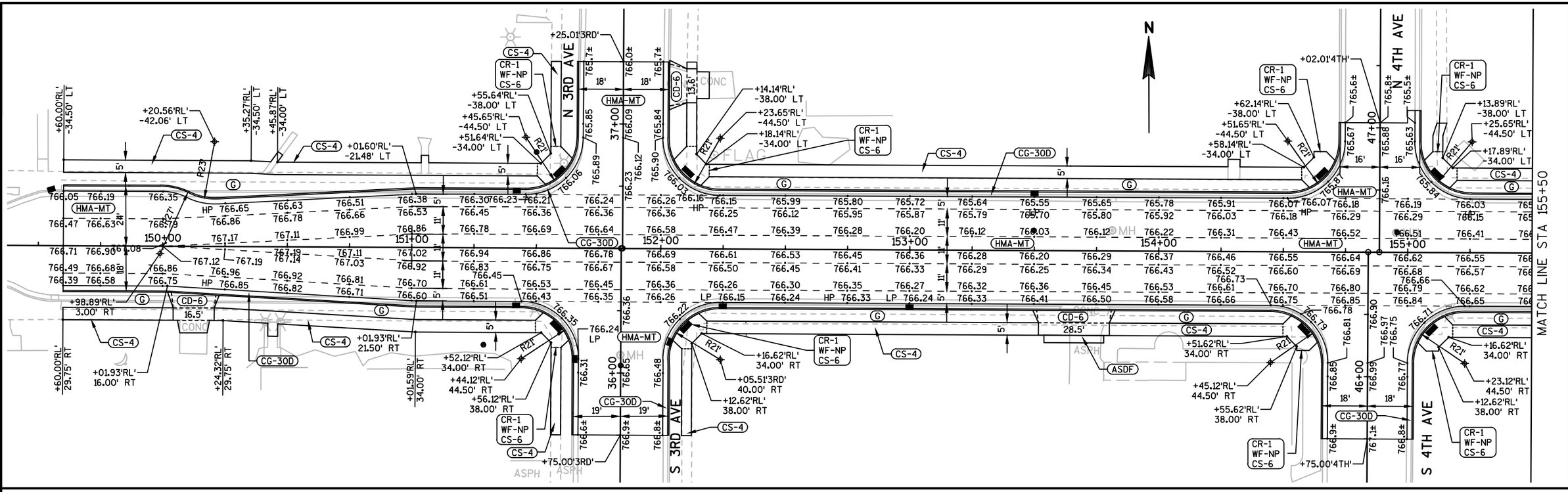
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2



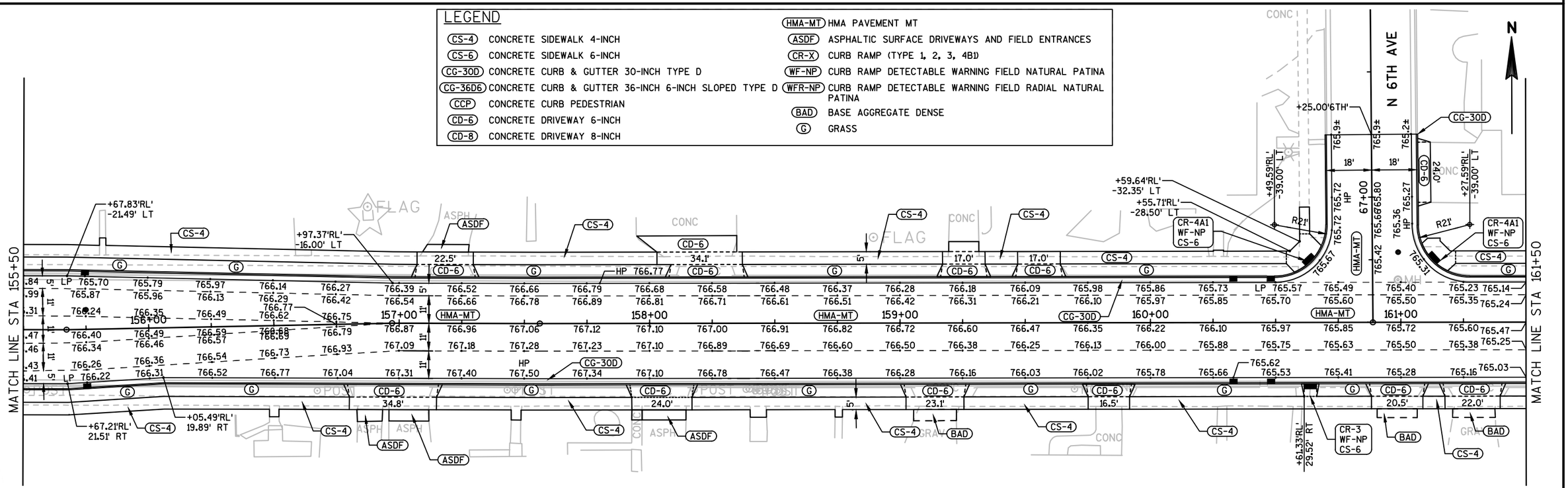
LEGEND

CS-4	CONCRETE SIDEWALK 4-INCH	HMA-MT	HMA PAVEMENT MT
CS-6	CONCRETE SIDEWALK 6-INCH	ASDF	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES
CG-30D	CONCRETE CURB & GUTTER 30-INCH TYPE D	CR-X	CURB RAMP (TYPE 1, 2, 3, 4B1)
CG-36D6	CONCRETE CURB & GUTTER 36-INCH 6-INCH SLOPED TYPE D	WF-NP	CURB RAMP DETECTABLE WARNING FIELD NATURAL PATINA
CCP	CONCRETE CURB PEDESTRIAN	WFR-NP	CURB RAMP DETECTABLE WARNING FIELD RADIAL NATURAL PATINA
CD-6	CONCRETE DRIVEWAY 6-INCH	BAD	BASE AGGREGATE DENSE
CD-8	CONCRETE DRIVEWAY 8-INCH	G	GRASS

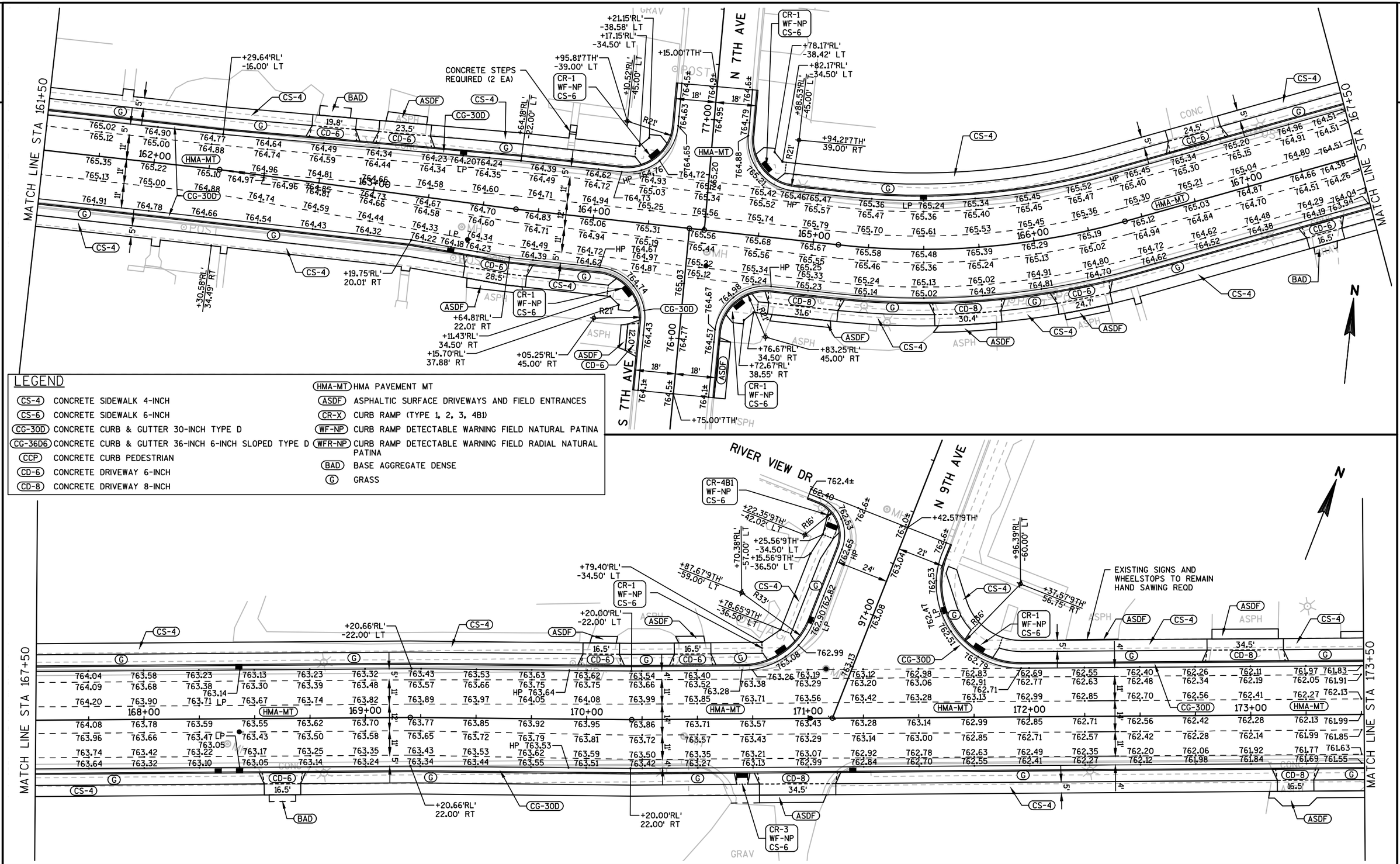


LEGEND

CS-4	CONCRETE SIDEWALK 4-INCH	HMA-MT	HMA PAVEMENT MT
CS-6	CONCRETE SIDEWALK 6-INCH	ASDF	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES
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CG-36D6	CONCRETE CURB & GUTTER 36-INCH 6-INCH SLOPED TYPE D	WF-NP	CURB RAMP DETECTABLE WARNING FIELD NATURAL PATINA
CCP	CONCRETE CURB PEDESTRIAN	WFR-NP	CURB RAMP DETECTABLE WARNING FIELD RADIAL NATURAL PATINA
CD-6	CONCRETE DRIVEWAY 6-INCH	BAD	BASE AGGREGATE DENSE
CD-8	CONCRETE DRIVEWAY 8-INCH	G	GRASS



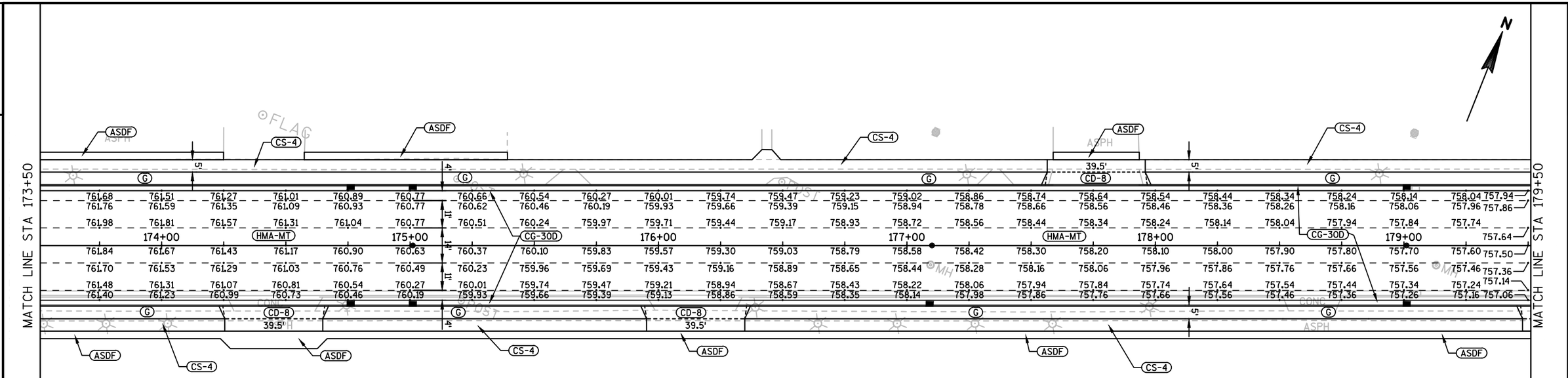
PROJECT NO: 6190-15-71	HWY: STH 116	COUNTY: WINNEBAGO	PAVING DETAILS	SHEET 26	E



LEGEND

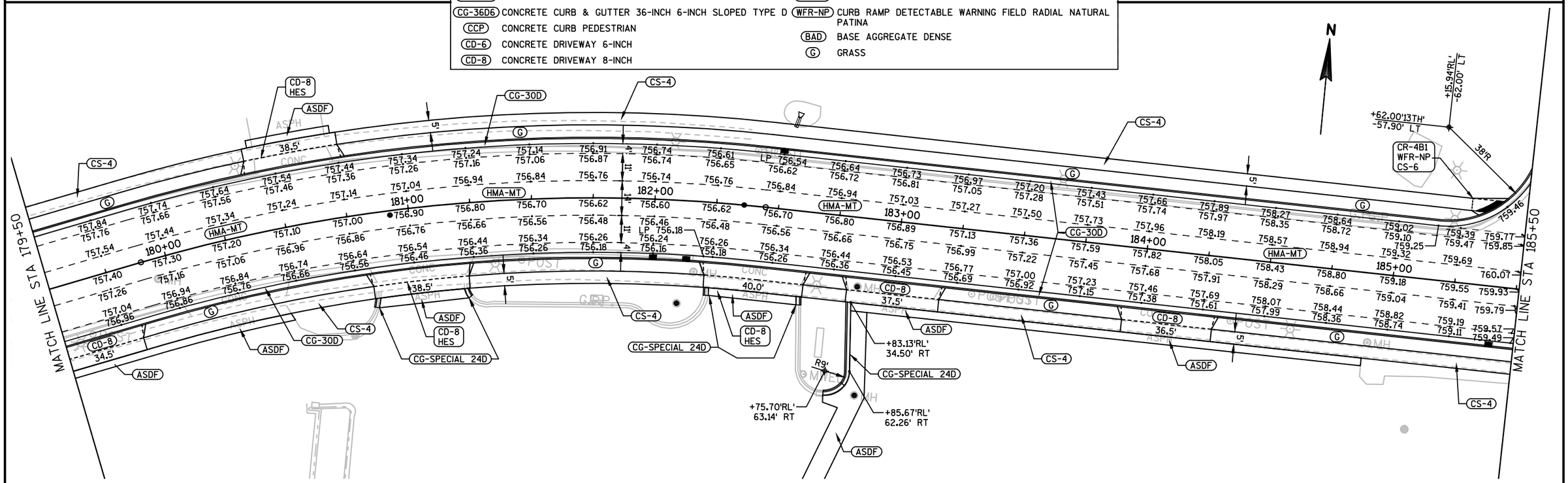
CS-4	CONCRETE SIDEWALK 4-INCH	HMA-MT	HMA PAVEMENT MT
CS-6	CONCRETE SIDEWALK 6-INCH	ASDF	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES
CG-30D	CONCRETE CURB & GUTTER 30-INCH TYPE D	CR-X	CURB RAMP (TYPE 1, 2, 3, 4B1)
CG-36D6	CONCRETE CURB & GUTTER 36-INCH 6-INCH SLOPED TYPE D	WF-NP	CURB RAMP DETECTABLE WARNING FIELD NATURAL PATINA
CCP	CONCRETE CURB PEDESTRIAN	WFR-NP	CURB RAMP DETECTABLE WARNING FIELD RADIAL NATURAL PATINA
CD-6	CONCRETE DRIVEWAY 6-INCH	BAD	BASE AGGREGATE DENSE
CD-8	CONCRETE DRIVEWAY 8-INCH	G	GRASS

PROJECT NO: 6190-15-71	HWY: STH 116	COUNTY: WINNEBAGO	PAVING DETAILS	SHEET 27	E

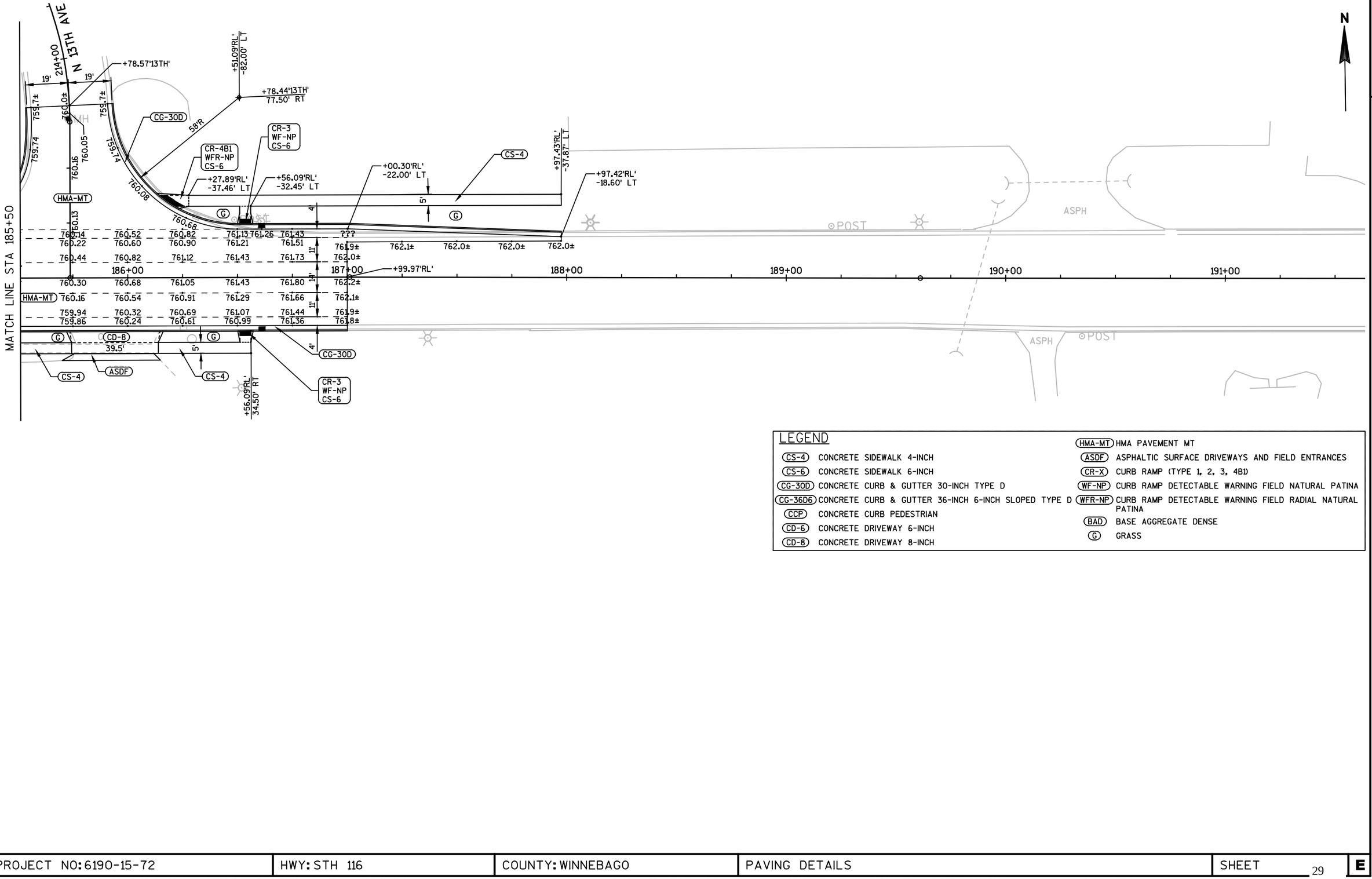


LEGEND

CS-4	CONCRETE SIDEWALK 4-INCH	HMA-MT	HMA PAVEMENT MT
CS-6	CONCRETE SIDEWALK 6-INCH	ASDF	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES
CG-30D	CONCRETE CURB & GUTTER 30-INCH TYPE D	CR-X	CURB RAMP (TYPE 1, 2, 3, 4B1)
CG-36D6	CONCRETE CURB & GUTTER 36-INCH 6-INCH SLOPED TYPE D	WF-NP	CURB RAMP DETECTABLE WARNING FIELD NATURAL PATINA
CCP	CONCRETE CURB PEDESTRIAN	WFR-NP	CURB RAMP DETECTABLE WARNING FIELD RADIAL NATURAL PATINA
CD-6	CONCRETE DRIVEWAY 6-INCH	BAD	BASE AGGREGATE DENSE
CD-8	CONCRETE DRIVEWAY 8-INCH	G	GRASS



PROJECT NO: 6190-15-72	HWY: STH 116	COUNTY: WINNEBAGO	PAVING DETAILS	SHEET 28	E



LEGEND

CS-4	CONCRETE SIDEWALK 4-INCH	HMA-MT	HMA PAVEMENT MT
CS-6	CONCRETE SIDEWALK 6-INCH	ASDF	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES
CG-30D	CONCRETE CURB & GUTTER 30-INCH TYPE D	CR-X	CURB RAMP (TYPE 1, 2, 3, 4B1)
CG-36D6	CONCRETE CURB & GUTTER 36-INCH 6-INCH SLOPED TYPE D	WF-NP	CURB RAMP DETECTABLE WARNING FIELD NATURAL PATINA
CCP	CONCRETE CURB PEDESTRIAN	WFR-NP	CURB RAMP DETECTABLE WARNING FIELD RADIAL NATURAL PATINA
CD-6	CONCRETE DRIVEWAY 6-INCH	BAD	BASE AGGREGATE DENSE
CD-8	CONCRETE DRIVEWAY 8-INCH	G	GRASS

2

2

N

IP

I.E.=744.52

18" CMCP

I.E.=747.45

⊙MP

94+00'9ST'

93+00'9ST'

N 9TH ST

⊙MH

SS

100+00'116'

101+00'116'

102+00'116'

103+00'116'

104+00'116'

105+00'116'

BEGIN PROJECT
STA 103+12.80
Y=507,399.548
X=744,113.810

SLOPE INTERCEPT, TYP

GRAVEL

⊙GUY

LEGEND

- SILT FENCE
- EROSION MAT URBAN CLASS I TYPE A
- INLET PROTECTION (TYPE LISTED ON PLAN)
- CULVERT PIPE CHECK
- FLOW ARROW

PROJECT NO: 6190-15-71	HWY: STH 116	COUNTY: WINNEBAGO	EROSION CONTROL DETAIL	SHEET 30	E

2

2

N

N 9TH ST

94+00'95ST'

93+00'95ST'

SLOPE INTERCEPT, TYP

103+00'116'

104+00'116'

105+00'116'

106+00'116'

107+00'116'

108+00'116'

STH 116 (W MAIN ST)

MATCH LINE STA 108+75

BEGIN PROJECT
STA 103+12.80
Y=507,399.548
X=744,113.810

GRAVEL

MP

MH

SS

SUY

A/D

=747.45

LEGEND

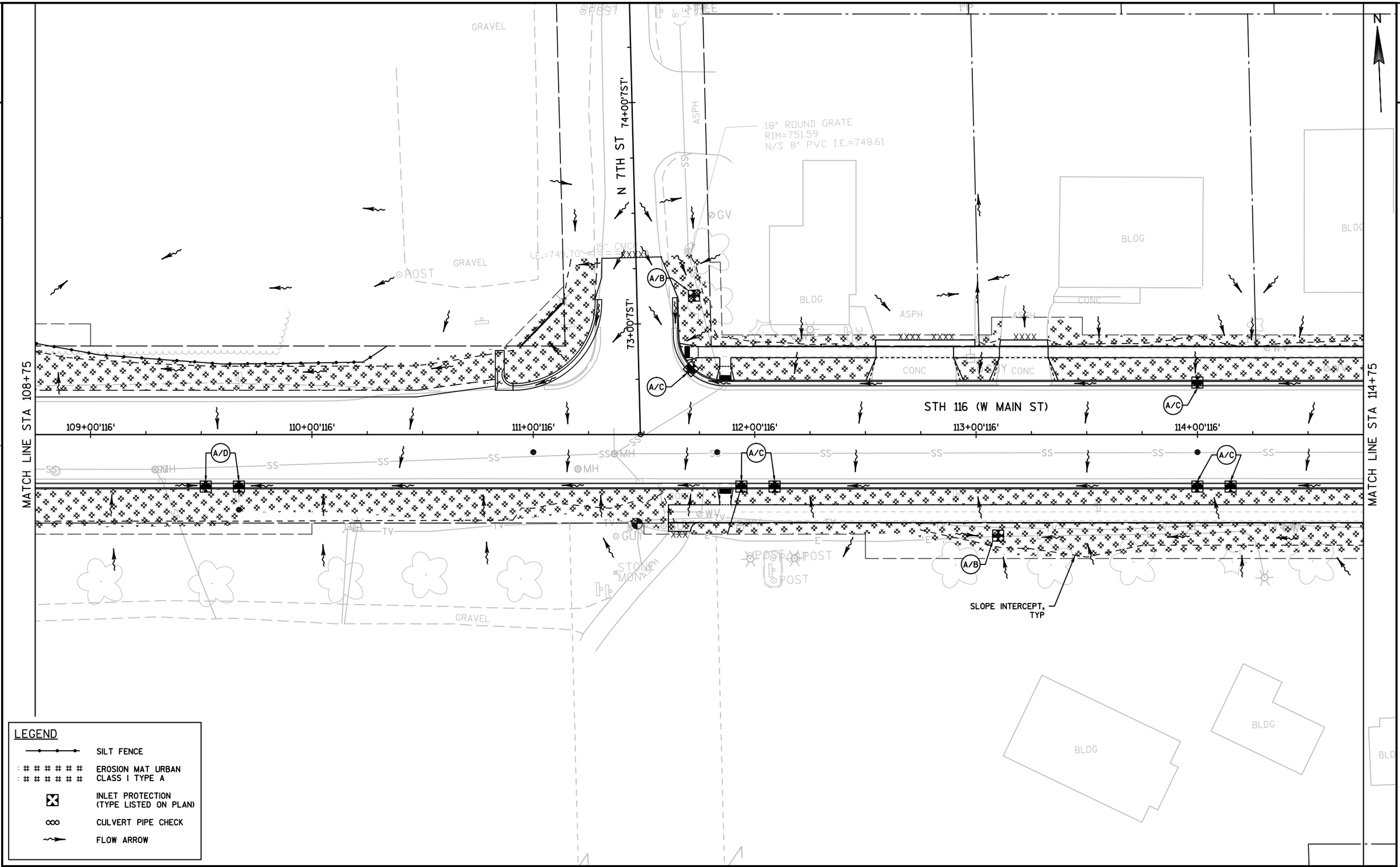
- SILT FENCE
- EROSION MAT URBAN CLASS I TYPE A
- INLET PROTECTION (TYPE LISTED ON PLAN)
- CULVERT PIPE CHECK
- FLOW ARROW

PROJECT NO: 6190-15-71	HWY: STH 116	COUNTY: WINNEBAGO	EROSION CONTROL DETAIL	SHEET 31	E

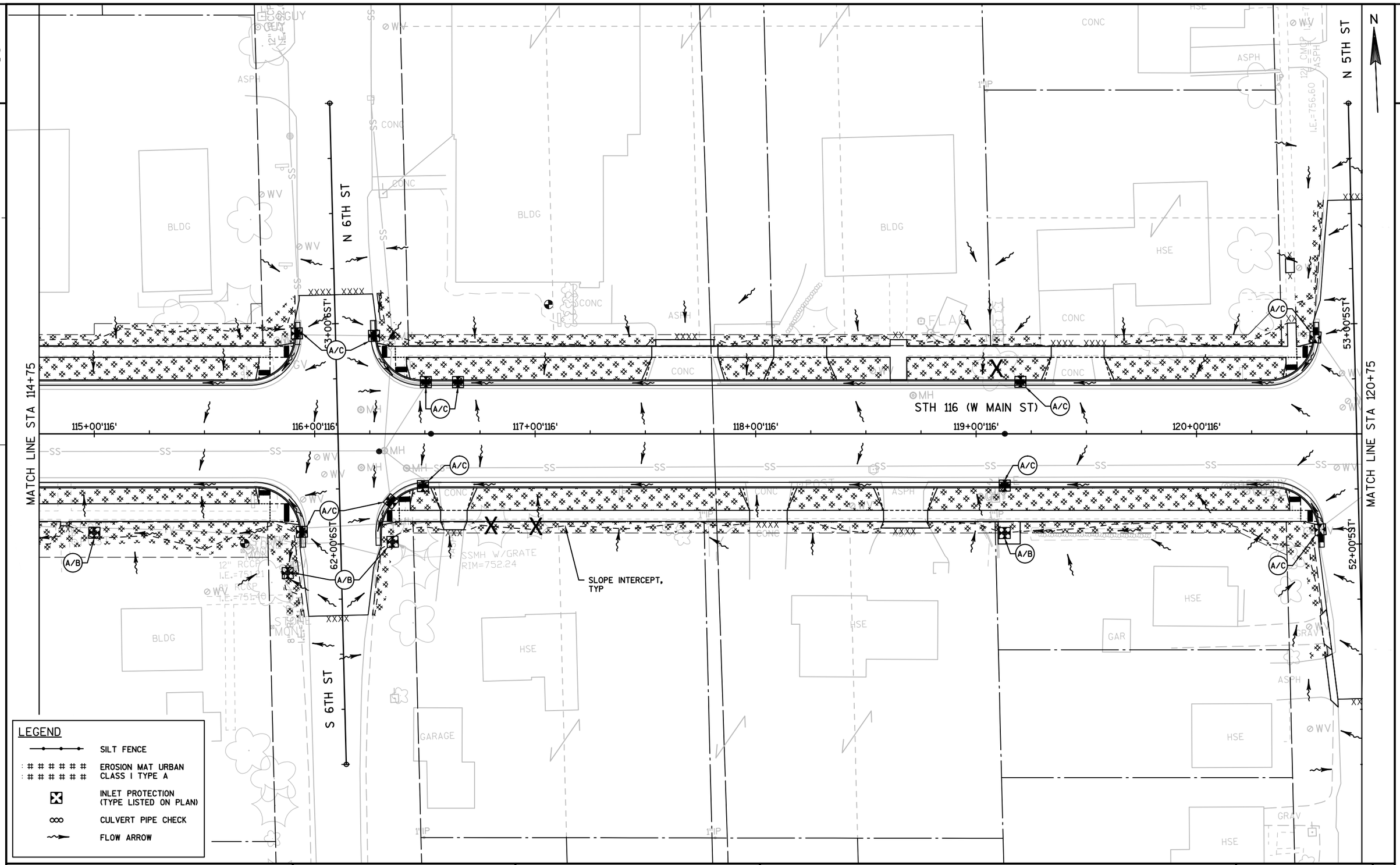
FILE NAME : F:\TR\JOBS\E2073A13\CIVIL 3D 2014\SHEETSPLAN\71 SHEETS\61901571-022001-EC.DWG
61901571 PLAN - 61901571-022001-EC

PLOT DATE : 9/22/2017 6:13 PM PLOT BY : ANDREW WESTBROOK PLOT NAME : PLOT SCALE : 1" = 40'_XREF

WISDOT/CADDS SHEET 44

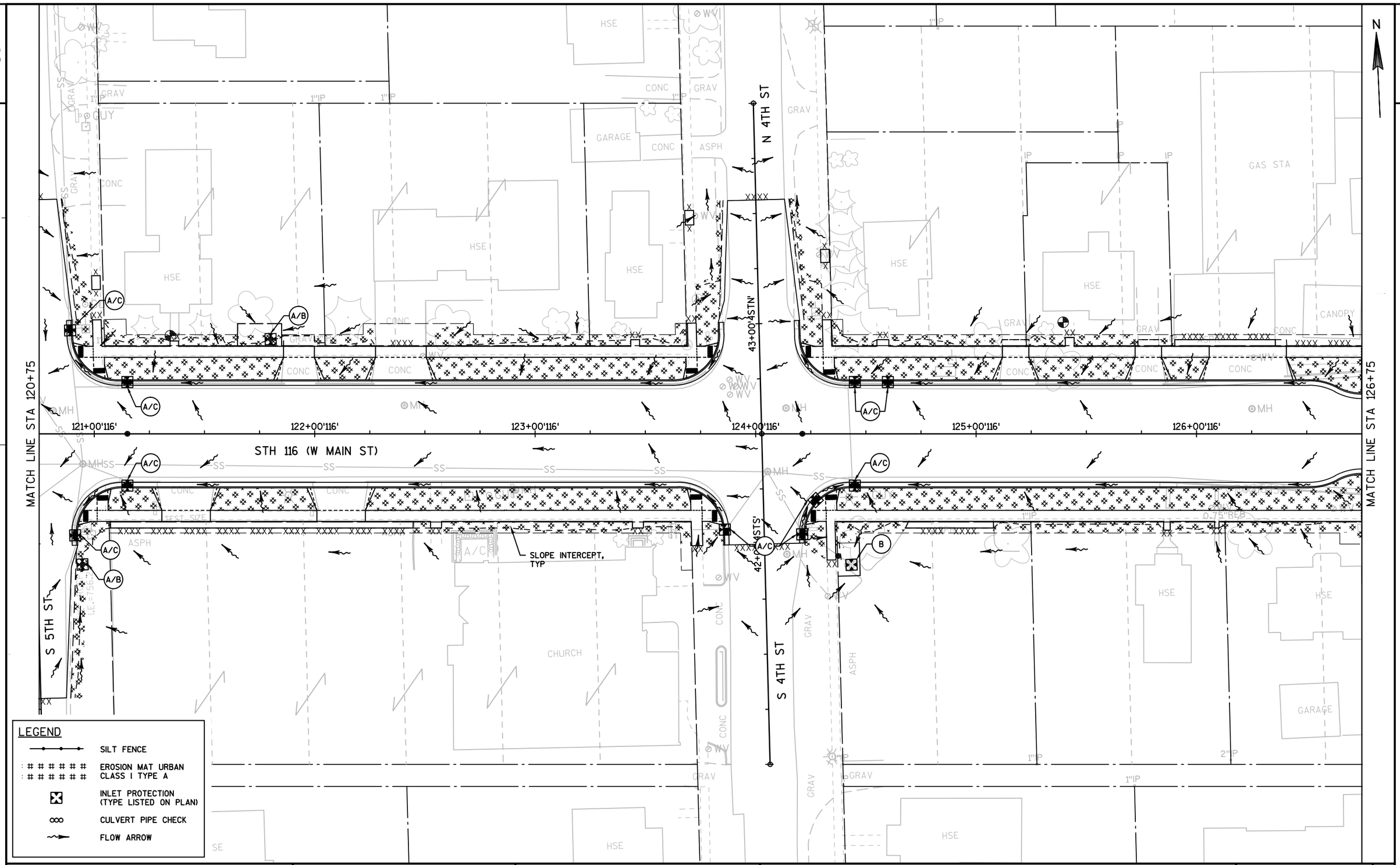


PROJECT NO: 6190-15-71	HWY: STH 116	COUNTY: WINNEBAGO	EROSION CONTROL DETAIL	SHEET 32	E



PROJECT NO: 6190-15-71	HWY: STH 116	COUNTY: WINNEBAGO	EROSION CONTROL DETAIL	SHEET 33	E

FILE NAME : F:\TR\JOBS\E2073A13\CIVIL 3D 2014\SHEETSPLAN\71 SHEETS\61901571-022001-EC.DWG
61901571 PLAN - 61901571-022003-EC
PLOT DATE : 9/22/2017 6:14 PM PLOT BY : ANDREW WESTBROOK PLOT NAME : PLOT SCALE : 1" = 40'_XREF
WISDOT/CADDS SHEET 44



PROJECT NO: 6190-15-71	HWY: STH 116	COUNTY: WINNEBAGO	EROSION CONTROL DETAIL	SHEET 34	E

FILE NAME : F:\TR\JOBS\E2073A13\CIVIL 3D 2014\SHEETSPLAN\71 SHEETS\61901571-022001-EC.DWG
61901571 PLAN - 61901571-022004-EC
PLOT DATE : 9/22/2017 6:14 PM PLOT BY : ANDREW WESTBROOK PLOT NAME : PLOT SCALE : 1" = 40'_XREF
WISDOT/CADDS SHEET 44

2

N

N 3RD ST

N 2ND ST

SLOPE INTERCEPT, TYP

33+00'3STN'

23+00'2ST'

STH 116 (W MAIN ST)

127+00'116'

128+00'116'

129+00'116'

130+00'116'

131+00'116'

132+00'116'

A/C

MATCH LINE STA 126+75

32+00'3STS'

22+00'2ST'

S 3RD ST

S 2ND ST

BP: 31+00.00'3STS'

END CONSTRUCTION
STA 132+60.00
Y=507,268.390
X=747,058.086

LEGEND

- SILT FENCE
- EROSION MAT URBAN CLASS I TYPE A
- INLET PROTECTION (TYPE LISTED ON PLAN)
- CULVERT PIPE CHECK
- FLOW ARROW

PROJECT NO: 6190-15-71	HWY: STH 116	COUNTY: WINNEBAGO	EROSION CONTROL DETAIL	SHEET 35	E

FILE NAME : F:\TR\JOBS\E2073A13\CIVIL 3D 2014\SHEETSPLAN\71 SHEETS\61901571-022001-EC.DWG
61901571 PLAN - 61901571-022005-EC
PLOT DATE : 9/22/2017 6:14 PM PLOT BY : ANDREW WESTBROOK PLOT NAME : PLOT SCALE : 1" = 40'_XREF
WISDOT/CADDS SHEET 44

2

150+00'116' 151+00'116' 152+00'116' 153+00'116' 154+00'116' 155+00'116'

37+00'3AVN' N 3RD AVE 47+00'4AVN' N 4TH AVE

36+00'3AVS' S 3RD AVE 46+00'4AVS' S 4TH AVE

STH 116 (E MAIN ST)

MATCH LINE STA 155+50

BEGIN CONSTRUCTION
STA 149+60.00
Y=507,255.507
X=748,735.675

SLOPE INTERCEPT, TYP

A/B A/C A/D

TLE

N

LEGEND

- SILT FENCE
- EROSION MAT URBAN CLASS I TYPE A
- INLET PROTECTION (TYPE LISTED ON PLAN)
- CULVERT PIPE CHECK
- FLOW ARROW

MATCH LINE STA 155+50

156+00'116' 157+00'116' 158+00'116' 159+00'116' 160+00'116' 161+00'116'

67+00'6AV' N 6TH AVE

STH 116 (E MAIN ST)

SLOPE INTERCEPT, TYP

MATCH LINE STA 161+50

PROJECT NO: 6190-15-71	HWY: STH 116	COUNTY: WINNEBAGO	EROSION CONTROL DETAIL	SHEET 36	E

MATCH LINE STA 161+50

STH 116 (E MAIN ST)

162+00'116'

163+00'116'

164+00'116'

165+00'116'

166+00'116'

167+00'116'

MATCH LINE STA 167+50

77+00'7AVN'

N 7TH AVE

SLOPE INTERCEPT, TYP

A/C

A/D

76+00'7AVS'

S 7TH AVE

N

LEGEND

- SILT FENCE
- EROSION MAT URBAN CLASS I TYPE A
- INLET PROTECTION (TYPE LISTED ON PLAN)
- CULVERT PIPE CHECK
- FLOW ARROW

97+00'9AV'

N 9TH AVE

168+00'116'

169+00'116'

170+00'116'

171+00'116'

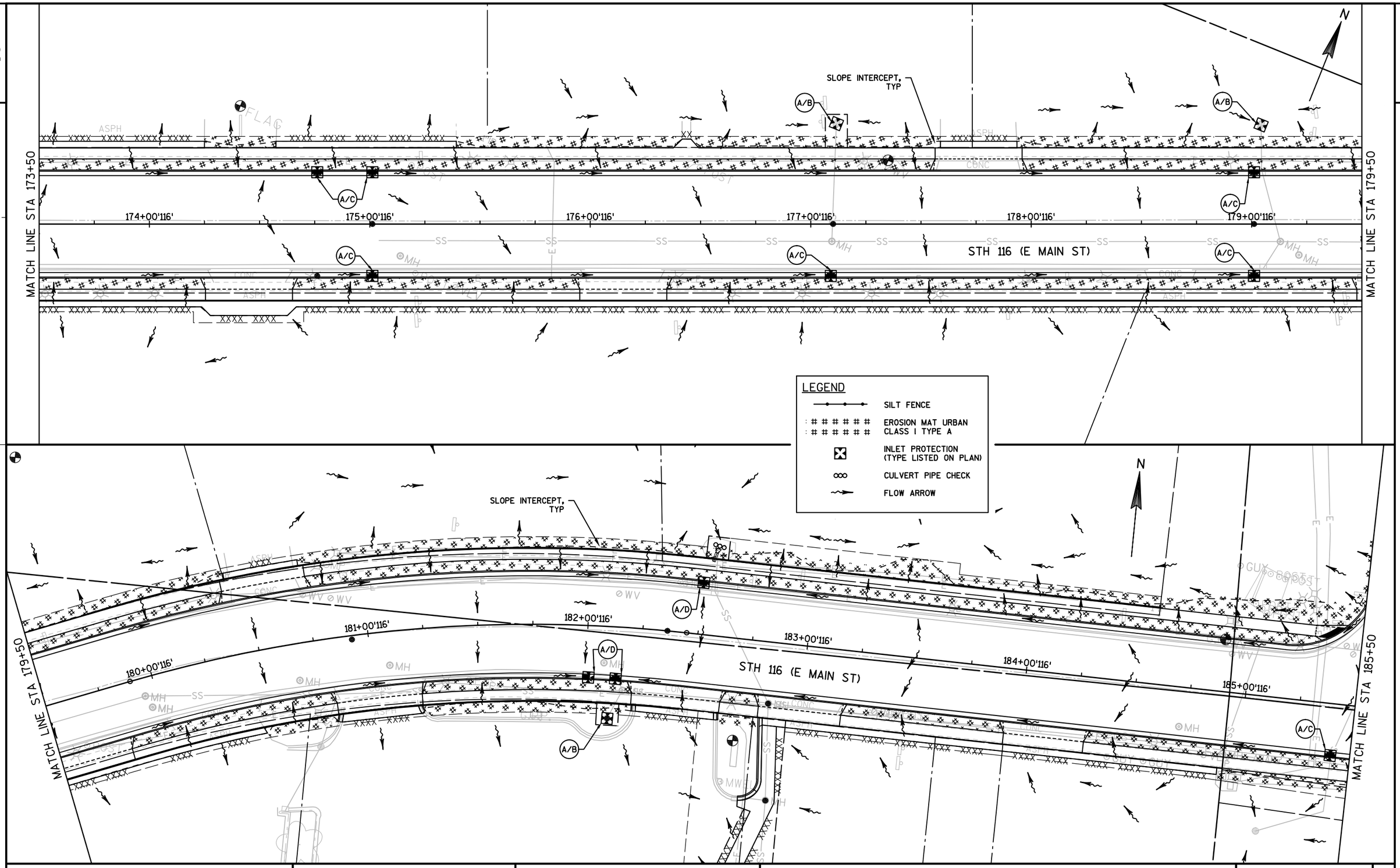
172+00'116'

173+00'116'

MATCH LINE STA 173+50

SLOPE INTERCEPT, TYP

PROJECT NO: 6190-15-71	HWY: STH 116	COUNTY: WINNEBAGO	EROSION CONTROL DETAIL	SHEET 37	E



PROJECT NO: 6190-15-71	HWY: STH 116	COUNTY: WINNEBAGO	EROSION CONTROL DETAIL	SHEET	E

FILE NAME : F:\TR\JOBS\E2073A13\CIVIL 3D 2014\SHEETSPLAN\71 SHEETS\61901571-022001-EC.DWG
61901571 PLAN - 61901571-022008-EC
PLOT DATE : 9/22/2017 6:15 PM PLOT BY : ANDREW WESTBROOK PLOT NAME : PLOT SCALE : **********

2

MATCH LINE STA 185+50

N 13TH AVE

SLOPE INTERCEPT, TYP

A/C

STH 116 (E MAIN ST)

186+00'116' 187+00'116' 188+00'116' 189+00'116' 190+00'116' 191+00'116'

END PROJECT
STA 187+97.42
Y=507,809.748
X=752,467.985

N

LEGEND

- SILT FENCE
- EROSION MAT URBAN CLASS I TYPE A
- INLET PROTECTION (TYPE LISTED ON PLAN)
- CULVERT PIPE CHECK
- FLOW ARROW

KWIK TRIP

Z

BP: 300+00.00

EDGE OF LOT

PL

DUMPSTER

TLE

PLE

SLOPE INTERCEPT, TYP

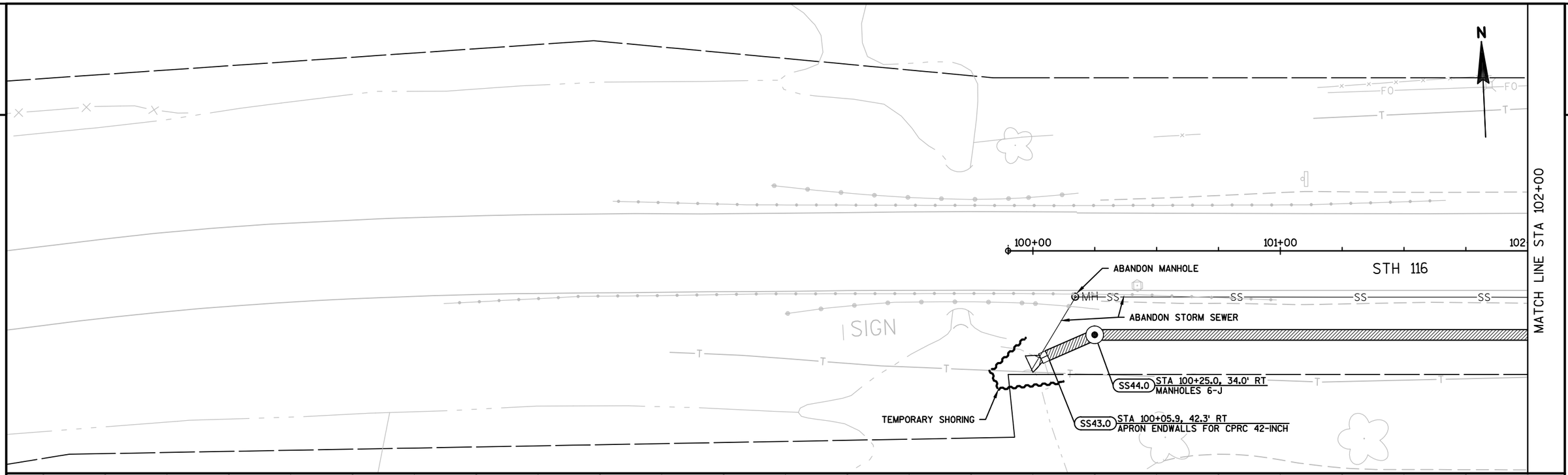
EP: 304+41.79

301+00 302+00 303+00 304+00

STORAGE BUILDING

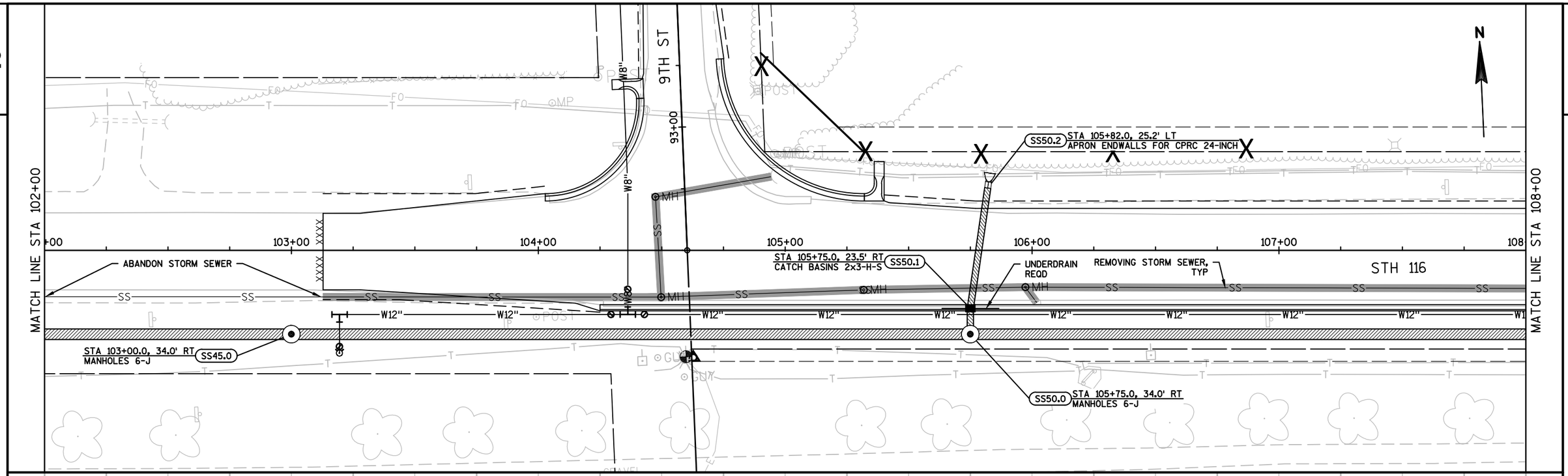
AT&T

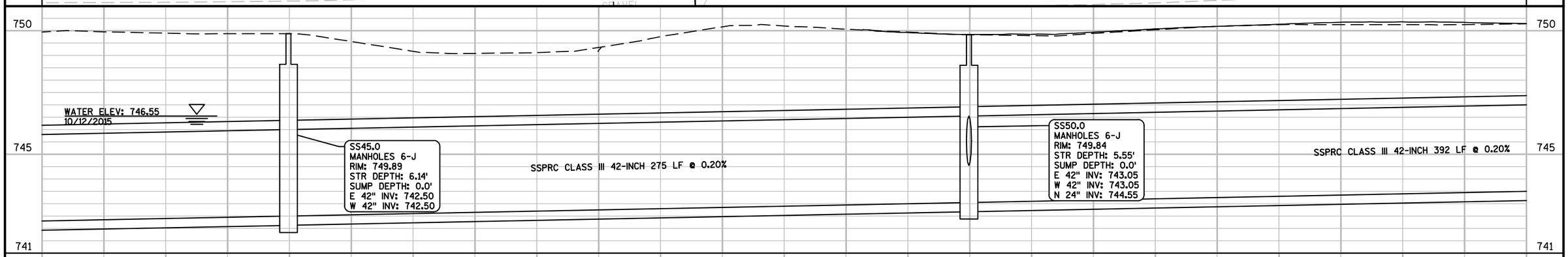
PROJECT NO: 6190-15-71	HWY: STH 116	COUNTY: WINNEBAGO	EROSION CONTROL DETAIL	SHEET 39	E



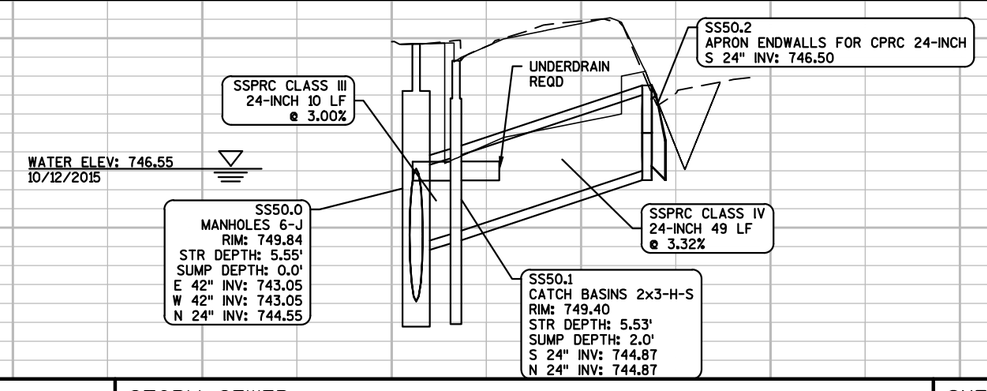
1. LOCATIONS FOR INLETS AND MANHOLES REFERS TO CENTER OF STRUCTURE
2. ELEVATIONS REFER TO CENTER OF STRUCTURE FOR MANHOLES AND INLETS. ADD 0.09' TO CENTER OF INLET ELEVATION FOR FLANGELINE ELEVATION
3. STRUCTURE DEPTH = RIM ELEVATION-SUMP ELEVATION-ADJUSTMENT FACTOR (ADJUSTMENT FACTOR FOR INLET COVERS = 1.0', MANHOLE COVERS = 1.24'
4. INVERTS OF EXISTING PIPE AND STRUCTURES SHALL BE VERIFIED BY THE CONTRACTOR AND APPROVED BY THE ENGINEER PRIOR TO ORDERING STRUCTURES.

PROJECT NO: 6190-15-71	HWY: STH 116	COUNTY: WINNEBAGO	STORM SEWER	SHEET 40	E





1. LOCATIONS FOR INLETS AND MANHOLES REFERS TO CENTER OF STRUCTURE
2. ELEVATIONS REFER TO CENTER OF STRUCTURE FOR MANHOLES AND INLETS. ADD 0.09' TO CENTER OF INLET ELEVATION FOR FLANGELINE ELEVATION
3. STRUCTURE DEPTH = RIM ELEVATION-SUMP ELEVATION-ADJUSTMENT FACTOR (ADJUSTMENT FACTOR FOR INLET COVERS = 1.0', MANHOLE COVERS = 1.24'
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PROJECT NO: 6190-15-71	HWY: STH 116	COUNTY: WINNEBAGO	STORM SEWER	SHEET 41	E

2

N

MATCH LINE STA 108+00

MATCH LINE STA 114+00

108+00 109+00 110+00 111+00 112+00 113+00 114+00

7TH ST

73+00

STH 116

GRAVEL

BLDG

ASPH

CONC

POST

MH

SAN

W12"

SS65.3 STA 73+12.1, 25.8' RT INLETS 3-C

5 LF 4" MINI-STORM LATERAL

15 LF 4" MINI-STORM LATERAL

SS65.2 STA 111+71.3, 29.6' LT CATCH BASINS 2x3-H-S

SS65.0 STA 111+83.0, 8.0' RT MANHOLES 7-J

STA 111+00.0, 8.0' RT MANHOLES 6-J SS60.0

REMOVING STORM SEWER, TYP

STA 109+52.0, 23.5' RT CATCH BASINS 2x3-H-S SS55.1

UNDERDRAIN REQD

SS55.2 STA 109+67.0, 23.5' RT CATCH BASINS 2x3-H-S

UNDERDRAIN REQD

CONNECT EXISTING 4" PVC INTO TRUNK WITH MINI STORM LATERAL 4-INCH

STA 109+67.0, 34.0' RT MANHOLES 6-J SS55.0

SS65.4 STA 112+09.0, 23.5' RT CATCH BASINS 2x3-H

SS65.1 STA 111+94.0, 23.5' RT CATCH BASINS 2x3-H

SS65.5 STA 113+10.0, 45.7' RT INLETS 3-C

MINI STORM TRUNK 6-INCH
22 LF @ 0.45%
INV AT SS65.1: 746.70
CONNECT TO STORM LINE FROM PARK

750
745
742

SSPRC CLASS III 42-INCH 392 LF @ 0.20%

SS55.0
MANHOLES 6-J
RIM: 749.97
STR DEPTH: 4.89'
SUMP DEPTH: 0.0'
E 42" INV: 743.84
N 12" INV: 745.40
W 42" INV: 743.84

WATER ELEV: 746.55
10/12/2015

SSPRC CLASS IV 42-INCH 136 LF @ 0.20%

SS60.0
MANHOLES 6-J
RIM: 750.20
STR DEPTH: 4.86'
SUMP DEPTH: 0.0'
E 45" INV: 744.11
W 42" INV: 744.11

6" SANITARY SEWER

SSPRCHE CLASS HE-IV 29X45-INCH 83 LF @ 0.35%

SS65.0
MANHOLES 7-J
RIM: 750.58
STR DEPTH: 4.94'
SUMP DEPTH: 0.0'
E 36" INV: 744.89
W 45" INV: 744.40
N 12" INV: 745.13
SE 12" INV: 745.63

SSPRC CLASS IV 36-INCH 217 LF @ 0.30%

SS55.2
CATCH BASINS 2x3-H-S
RIM: 749.06
STR DEPTH: 4.62'
SUMP DEPTH: 2.0'
W 12" INV: 745.44
S 12" INV: 745.45

SS55.1
CATCH BASINS 2x3-H-S
RIM: 749.10
STR DEPTH: 4.59'
SUMP DEPTH: 2.0'
E 12" INV: 745.52

UNDERDRAIN REQD

UNDERDRAIN REQD

SSPRC CLASS IV 12-INCH 15 LF @ 0.50%

SS55.0
MANHOLES 6-J
RIM: 749.97
STR DEPTH: 4.89'
SUMP DEPTH: 0.0'
E 42" INV: 743.84
N 12" INV: 745.40
W 42" INV: 743.84

SSPRC CLASS III 12-INCH 10 LF @ 0.50%

SS65.5
INLETS 3-C
RIM: 750.80
STR DEPTH: 3.25'
SUMP DEPTH: 0.0'
W 12" INV: 746.31

WATER ELEV: 746.55
10/12/2015

SSPRC CLASS IV 12-INCH 15 LF @ 0.49%

SS65.0
MANHOLES 7-J
RIM: 750.58
STR DEPTH: 4.94'
SUMP DEPTH: 0.0'
E 36" INV: 744.89
W 45" INV: 744.40
N 12" INV: 745.13
SE 12" INV: 745.63

SS65.4
CATCH BASINS 2x3-H
RIM: 750.11
STR DEPTH: 5.31'
SUMP DEPTH: 2.0'
E 12" INV: 745.80
W 12" INV: 745.80

SSPRC CLASS III 12-INCH 103 LF @ 0.50%

SS65.1
CATCH BASINS 2x3-H
RIM: 750.04
STR DEPTH: 5.31'
SUMP DEPTH: 2.0'
NW 12" INV: 745.72
E 12" INV: 745.72
S 6" INV: 746.70

SSPRC CLASS IV 12-INCH 19 LF @ 0.50%

SSPRC CLASS III 12-INCH 39 LF @ 0.50%

SSPRC CLASS III 12-INCH 33 LF @ 0.50%

SS65.2
CATCH BASINS 2x3-H-S
RIM: 750.96
STR DEPTH: 6.63'
SUMP DEPTH: 2.0'
S 12" INV: 745.33
N 12" INV: 746.59

8" SANITARY SEWER

CLASS III-A 12-INCH 20 LF @ 1.00%

CONCRETE COLLAR REQD

SS65.3
INLETS 3-C
RIM: 751.80
STR DEPTH: 3.80'
SUMP DEPTH: 0.0'
S 12" INV: 746.76
N 10" INV: 748.41

PROJECT NO: 6190-15-71	HWY: STH 116	COUNTY: WINNEBAGO	STORM SEWER	SHEET 42	E

2

MATCH LINE STA 114+00

MATCH LINE STA 120+00

N

15 LF 4" MINI-STORM LATERAL

47 LF 4" MINI-STORM LATERAL

SS70.4 STA 114+00.0, 23.5' LT CATCH BASINS 2x3-H

STA 62+96.0, 17.5' LT CATCH BASINS 2x3-H SS75.7

47 LF 4" MINI-STORM LATERAL

SS70.0 STA 114+00.0, 8.0' RT MANHOLES 7-J

STA 116+29.2, 8.0' RT MANHOLES 6-J SS75.0

SAN95

SS75.6 STA 62+94.0, 17.5' RT CATCH BASINS 2x3-H

SS75.5 STA 62+93.4, 25.8' RT MANHOLES 4-C

SS80.2 STA 116+50.4, 23.5' LT CATCH BASINS 2x3-H

15 LF 4" MINI-STORM LATERAL

UNDERDRAIN REQD

SS80.3 STA 116+65.0, 23.5' LT CATCH BASINS 2x3-H

39 LF 4" MINI-STORM LATERAL

SAN96

SS85.0 STA 119+13.0, 0.0' MANHOLES 5-J

SS85.3 STA 119+20.0, 23.5' LT CATCH BASINS 2x3-H

STH 116

115+00 116+00 117+00 118+00 119+00 120

REMOVING STORM SEWER, TYP

SAN97

SS70.2 STA 114+15.0, 23.5' RT CATCH BASINS 2x3-H

SS70.1 STA 114+00.0, 23.5' RT CATCH BASINS 2x3-H

STA 115+00.0, 44.9' RT INLETS 3-C SS70.3

STA 62+06.0, 17.5' LT CATCH BASINS 2x3-H SS75.3

STA 61+87.5, 24.4' LT INLETS 3-C SS75.4

SS80.0 STA 116+52.7, 0.0' MANHOLES 5-J

SS80.1 STA 116+49.0, 23.6' RT CATCH BASINS 2x3-H

38 LF 4" MINI-STORM LATERAL

SS75.1 STA 62+18.7, 23.3' RT CATCH BASINS 4-H-S

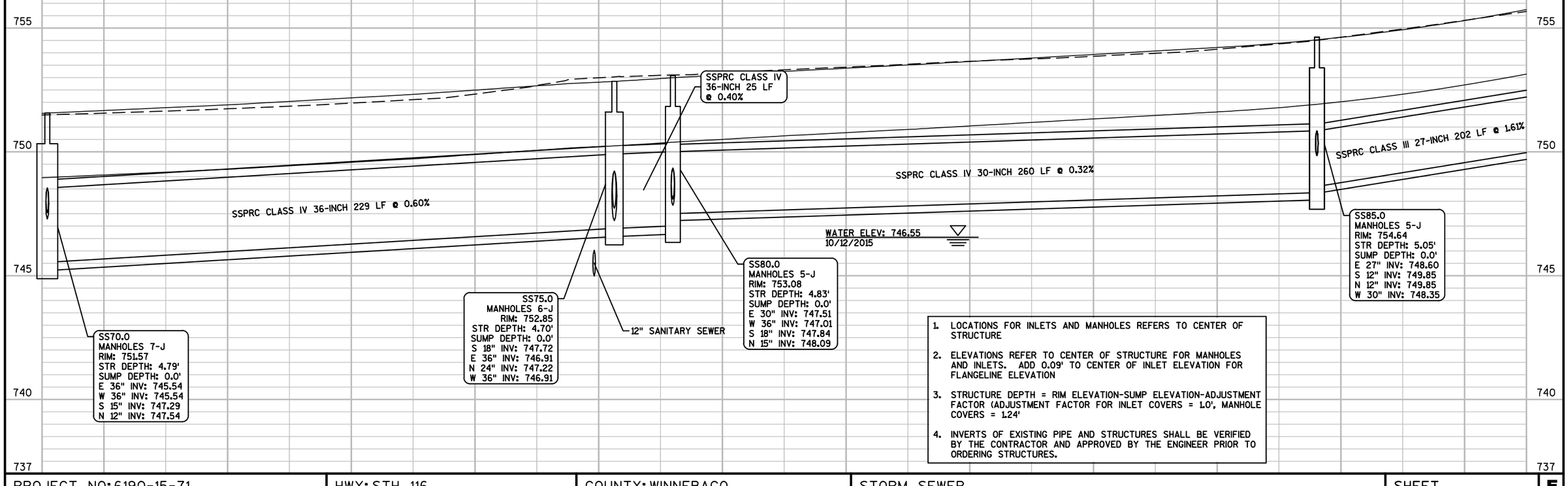
SS75.2 STA 62+00.4, 23.6' RT INLETS 3-C

38 LF 4" MINI-STORM LATERAL

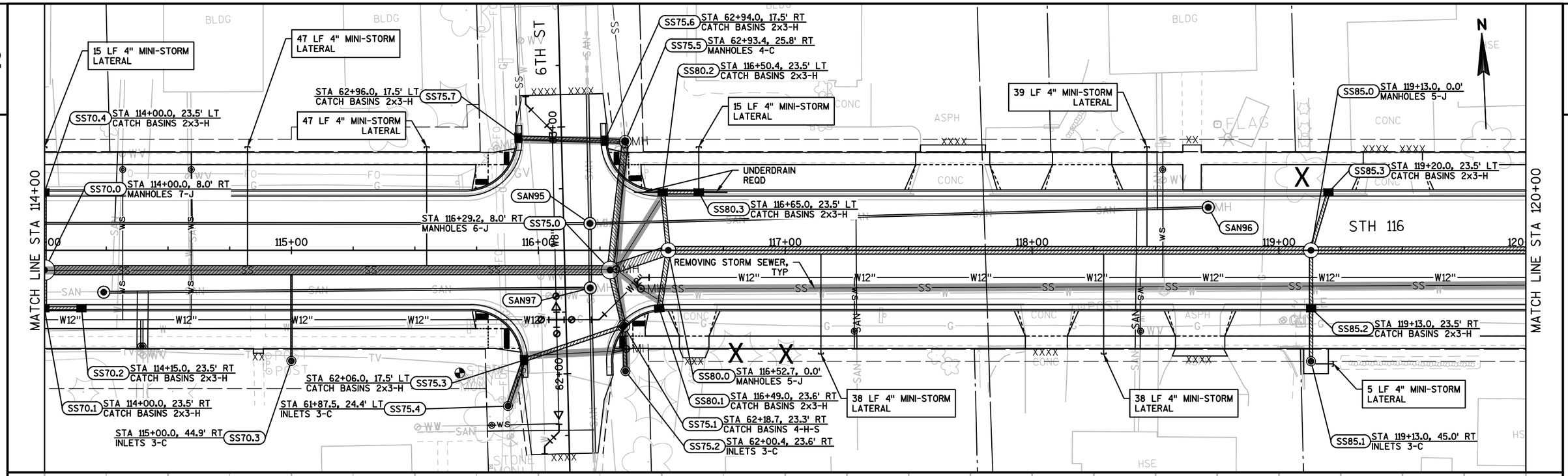
SS85.2 STA 119+13.0, 23.5' RT CATCH BASINS 2x3-H

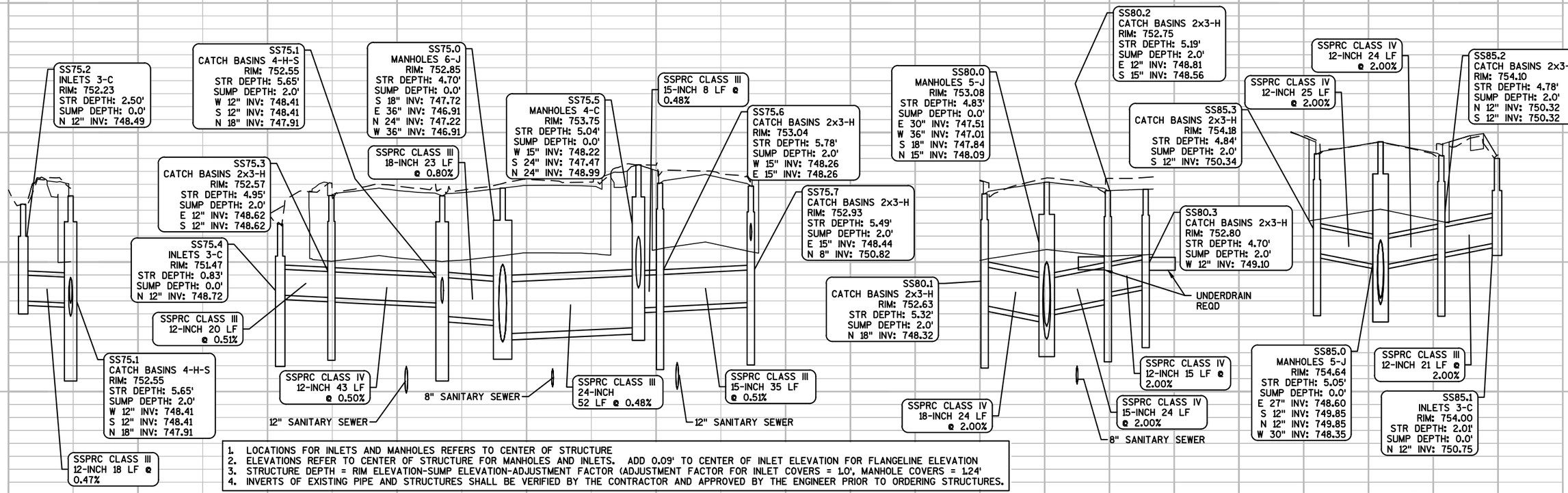
5 LF 4" MINI-STORM LATERAL

SS85.1 STA 119+13.0, 45.0' RT INLETS 3-C

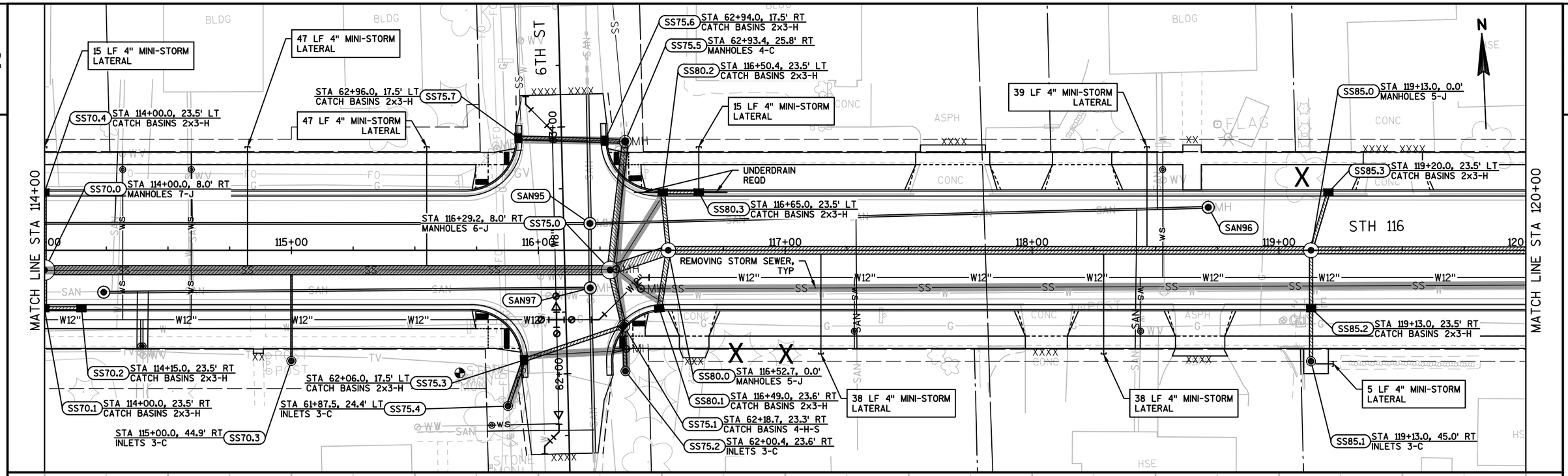


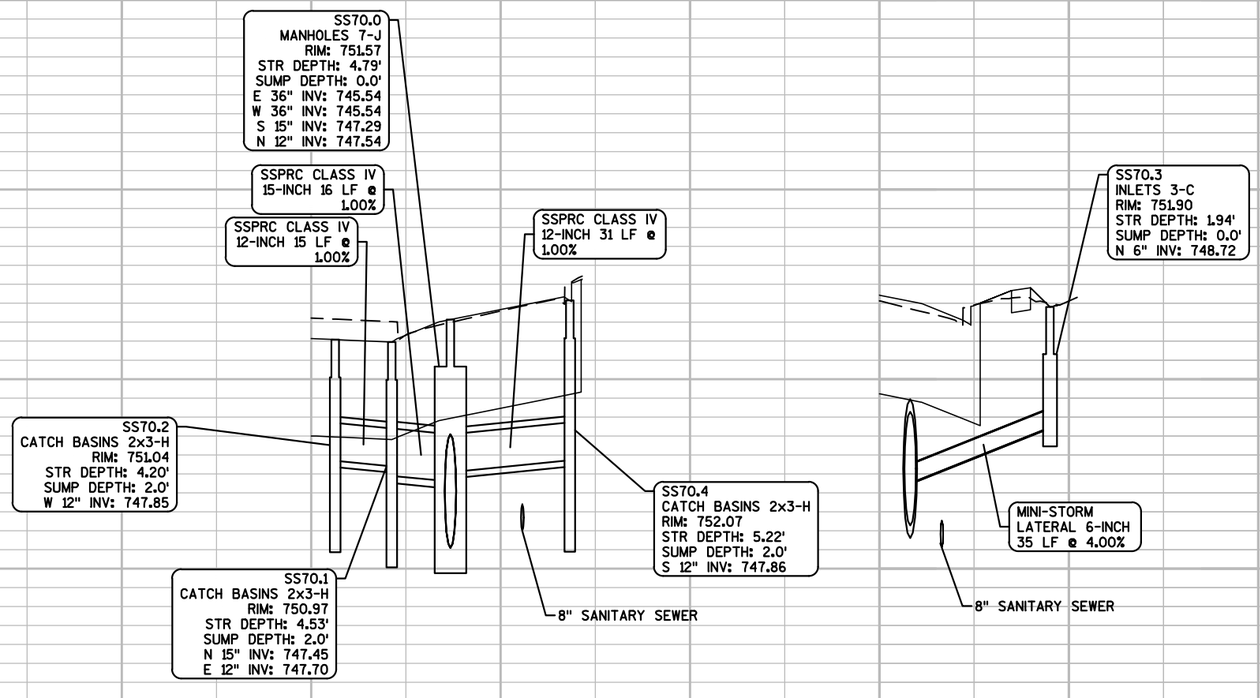
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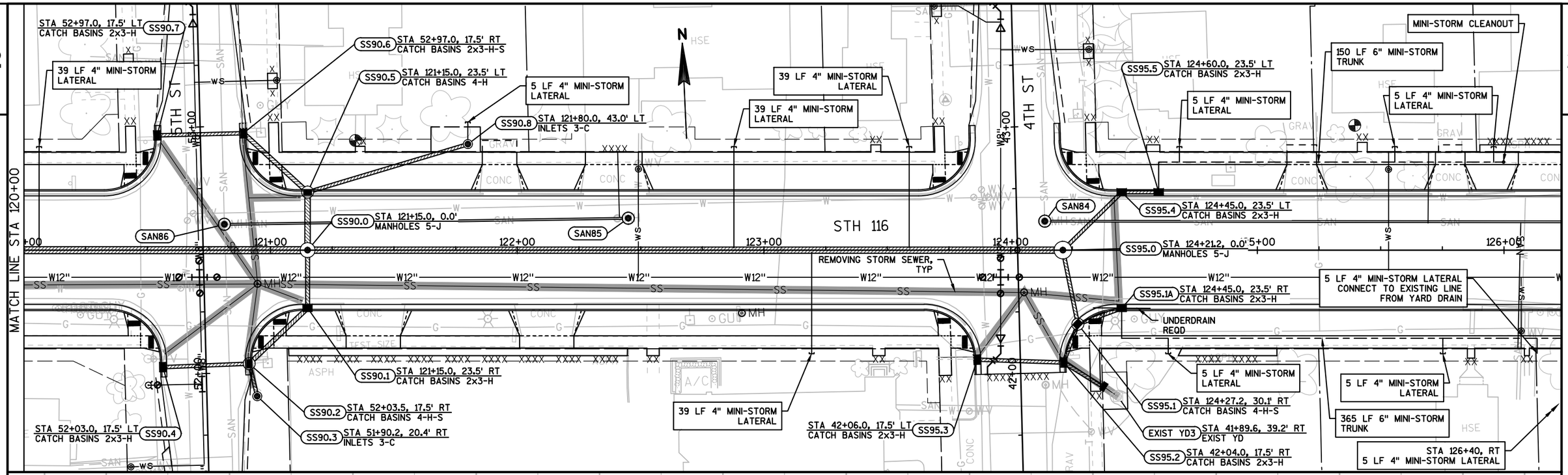


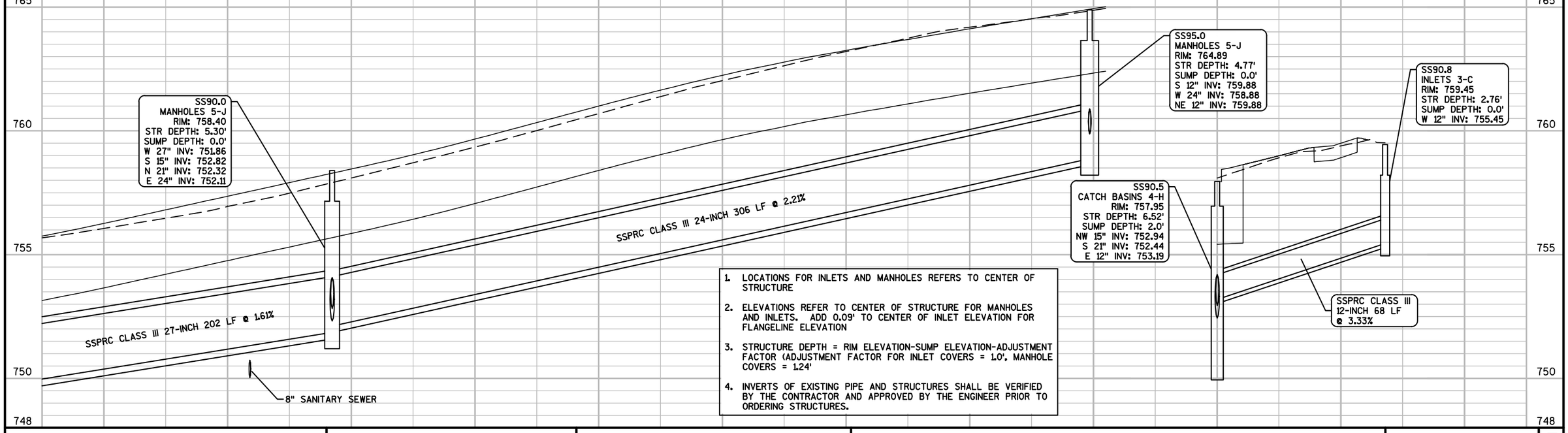
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PROJECT NO: 6190-15-71	HWY: STH 116	COUNTY: WINNEBAGO	STORM SEWER	SHEET 46 E

2

MATCH LINE STA 120+00

STA 52+97.0, 17.5' LT
CATCH BASINS 2x3-H
SS90.7

39 LF 4" MINI-STORM LATERAL

5TH ST

SS90.6 STA 52+97.0, 17.5' RT
CATCH BASINS 2x3-H-S

SS90.5 STA 121+15.0, 23.5' LT
CATCH BASINS 4-H

5 LF 4" MINI-STORM LATERAL

SS90.8 STA 121+80.0, 43.0' LT
INLETS 3-C

39 LF 4" MINI-STORM LATERAL

39 LF 4" MINI-STORM LATERAL

N

4TH ST

MINI-STORM CLEANOUT

150 LF 6" MINI-STORM TRUNK

SS95.5 STA 124+60.0, 23.5' LT
CATCH BASINS 2x3-H

5 LF 4" MINI-STORM LATERAL

5 LF 4" MINI-STORM LATERAL

SAN86

SS90.0 STA 121+15.0, 0.0'
MANHOLES 5-J

SAN85

STH 116

SAN84

SS95.4 STA 124+45.0, 23.5' LT
CATCH BASINS 2x3-H

SS95.0 STA 124+21.2, 0.0'
MANHOLES 5-J

121+00 122+00 123+00 124+00 125+00 126+00

REMOVING STORM SEWER, TYP

SS95.1A STA 124+45.0, 23.5' RT
CATCH BASINS 2x3-H

UNDERDRAIN REQD

5 LF 4" MINI-STORM LATERAL CONNECT TO EXISTING LINE FROM YARD DRAIN

SS90.1 STA 121+15.0, 23.5' RT
CATCH BASINS 2x3-H

5 LF 4" MINI-STORM LATERAL

SS95.1 STA 124+27.2, 30.1' RT
CATCH BASINS 4-H-S

365 LF 6" MINI-STORM TRUNK

SS90.2 STA 52+03.5, 17.5' RT
CATCH BASINS 4-H-S

SS90.3 STA 51+90.2, 20.4' RT
INLETS 3-C

39 LF 4" MINI-STORM LATERAL

STA 42+06.0, 17.5' LT
CATCH BASINS 2x3-H
SS95.3

EXIST YD3 STA 41+89.6, 39.2' RT
EXIST YD

SS95.2 STA 42+04.0, 17.5' RT
CATCH BASINS 2x3-H

STA 126+40, RT
5 LF 4" MINI-STORM LATERAL

STA 52+03.0, 17.5' LT
CATCH BASINS 2x3-H
SS90.4

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765
760
755
750

SS90.0
MANHOLES 5-J
RIM: 758.40
STR DEPTH: 5.30'
SUMP DEPTH: 0.0'
W 27" INV: 751.86
S 15" INV: 752.82
N 21" INV: 752.32
E 24" INV: 752.11

SS90.5
CATCH BASINS 4-H
RIM: 757.95
STR DEPTH: 6.52'
SUMP DEPTH: 2.0'
NW 15" INV: 752.94
S 21" INV: 752.44
E 12" INV: 753.19

SSPRC CLASS IV
12-INCH 35 LF
@ 0.50%

SS90.6
CATCH BASINS 2x3-H-S
RIM: 757.36
DEPTH: 6.24'
SE 15" INV: 753.11
W 12" INV: 753.36
N 12" INV: 754.89

SS90.1
CATCH BASINS 2x3-H
RIM: 757.87
STR DEPTH: 5.93'
SUMP DEPTH: 2.0'
SW 15" INV: 752.94
N 15" INV: 752.94

SS90.2
CATCH BASINS 4-H-S
RIM: 757.24
STR DEPTH: 5.14'
SUMP DEPTH: 2.0'
NE 15" INV: 753.10
W 12" INV: 753.35
S 12" INV: 753.35

SSPRC CLASS III
15-INCH 33 LF
@ 0.50%

SSPRC CLASS III
15-INCH 35 LF
@ 0.50%

SSPRC CLASS IV
12-INCH 35 LF
@ 0.50%

SS90.4
CATCH BASINS 2x3-H
RIM: 756.71
STR DEPTH: 4.18'
SUMP DEPTH: 2.0'
E 12" INV: 753.53

8" SANITARY SEWER

SSPRC CLASS III
15-INCH 24 LF
@ 0.50%

8" SANITARY SEWER

SSPRC CLASS III
21-INCH 24 LF
@ 0.50%

SSPRC CLASS III
12-INCH 35 LF
@ 0.50%

SS90.7
CATCH BASINS 2x3-H
RIM: 756.68
STR DEPTH: 4.14'
SUMP DEPTH: 2.0'
E 12" INV: 753.54

8" SANITARY SEWER

SS90.3
INLETS 3-C
RIM: 756.90
STR DEPTH: 2.24'
SUMP DEPTH: 0.0'
N 12" INV: 753.42

SS95.2
CATCH BASINS 2x3-H
RIM: 765.50
STR DEPTH: 6.35'
SUMP DEPTH: 2.0'
NE 12" INV: 760.15
SE 12" INV: 761.65
W 12" INV: 760.15

SS95.3
CATCH BASINS 2x3-H
RIM: 765.09
STR DEPTH: 5.77'
SUMP DEPTH: 2.0'
E 12" INV: 760.32
W 12" INV: 762.10

SS95.1
CATCH BASINS 4-H-S
RIM: 764.96
STR DEPTH: 5.90'
SUMP DEPTH: 2.0'
E 12" INV: 760.06
N 12" INV: 760.06
SW 12" INV: 760.06

SSPRC CLASS III
12-INCH 17 LF
@ 0.50%

SS90.2
CATCH BASINS 4-H-S
RIM: 757.24
STR DEPTH: 5.14'
SUMP DEPTH: 2.0'
NE 15" INV: 753.10
W 12" INV: 753.35
S 12" INV: 753.35

SSPRC CLASS III
12-INCH 14 LF
@ 0.50%

SS95.0
MANHOLES 5-J
RIM: 764.89
STR DEPTH: 4.77'
SUMP DEPTH: 0.0'
S 12" INV: 759.88
W 24" INV: 758.88
NE 12" INV: 759.88

SSPRC CLASS III
12-INCH 31 LF
@ 0.60%

8" SANITARY SEWER

SS95.4
CATCH BASINS 2x3-H
RIM: 764.60
STR DEPTH: 5.56'
SUMP DEPTH: 2.0'
SW 12" INV: 760.05
E 12" INV: 760.05

SS95.5
CATCH BASINS 2x3-H
RIM: 764.89
STR DEPTH: 5.76'
SUMP DEPTH: 2.0'
W 12" INV: 760.12

SSPRC CLASS III
12-INCH 15 LF
@ 0.50%

SSPRC CLASS III
12-INCH 33 LF
@ 0.50%

CONCRETE COLLAR REQD

EXIST YD3
NW 12" INV: 763.75

SSPRC CLASS III
12-INCH 19 LF
@ 8.11%

SS95.2
CATCH BASINS 2x3-H
RIM: 765.50
STR DEPTH: 6.35'
SUMP DEPTH: 2.0'
NE 12" INV: 760.15
SE 12" INV: 761.65
W 12" INV: 760.15

SS95.1A
CATCH BASINS 2x3-H
RIM: 765.22
STR DEPTH: 6.06'
SUMP DEPTH: 2.0'
W 12" INV: 760.16

UNDERDRAIN REQD

SSPRC CLASS III
12-INCH 19 LF
@ 0.50%

SS95.1
CATCH BASINS 4-H-S
RIM: 764.96
STR DEPTH: 5.90'
SUMP DEPTH: 2.0'
E 12" INV: 760.06
N 12" INV: 760.06
SW 12" INV: 760.06

PROJECT NO: 6190-15-71	HWY: STH 116	COUNTY: WINNEBAGO	STORM SEWER	SHEET 47	E

FILE NAME : F:\TR\JOBS\E2073A13\CIVIL 3D 2014\SHEETSPLAN\71 SHEETS\61901571-022501-SS.DWG
LAYOUT NAME - 61901571-022504B-SS
PLOT DATE : 9/22/2017 6:00 PM PLOT BY : ANDREW WESTBROOK PLOT NAME : PLOT SCALE : **********
WISDOT/CADDS SHEET 41

2

N

2ND ST

STA 130+29.7, 21.0' LT
CATCH BASINS 2x3-H
SS40.3

STA 129+67.0, 23.5' LT
CATCH BASINS 2x3-H
SS40.5

UNDERDRAIN REQD

UNDERDRAIN REQD

STA 129+82.0, 23.5' LT
CATCH BASINS 2x3-H-S
SS40.2

STA 130+30.0, 6.0' LT
MANHOLES 5-J
SS40.0

STA 129+82.0, 23.5' RT
CATCH BASINS 2x3-H-S
SS40.6

STA 130+29.7, 19.7' RT
CATCH BASINS 2x3-H-S
SS40.1

STA 21+80.0, 28.2' LT
CATCH BASINS 2x3-H-S
SS41.2

365 LF 6" MINI-STORM TRUNK

MINI-STORM CLEANOUT

12 LF 4" MINI-STORM LATERAL

STH 116

CONCRETE COLLAR

LIMIT OF STORM SEWER INSTALLED UNDER 6190-15-71

REMOVING STORM SEWER, TYP

UNDERDRAIN REQD

SS41.1 STA 21+83, 28.2' RT
CATCH BASINS 2x3-H-S
RIM: 765.00
S 12" INV: 761.57
W 12" INV: 761.57

45 LF 4" MINI-STORM LATERAL

128+00 129+00 130+00 131+00 132+00 133+00

22+00 23+00

-71 -72

W12" SS MH

SS40.6
CATCH BASINS 2x3-H-S
RIM: 767.93
STR DEPTH: 5.50'
SUMP DEPTH: 2.0'
E 12" INV: 763.43

SS40.5
CATCH BASINS 2x3-H
RIM: 767.09
STR DEPTH: 5.50'
SUMP DEPTH: 2.0'
E 12" INV: 762.59

SS40.0
MANHOLES 5-J
RIM: 766.66
STR DEPTH: 4.49'
SUMP DEPTH: 0.0'
NW 12" INV: 761.93
S 12" INV: 761.93
E 24" INV: 760.93
N 12" INV: 761.64

SS40.2
CATCH BASINS 2x3-H-S
RIM: 766.87
STR DEPTH: 5.43'
SUMP DEPTH: 2.0'
SE 12" INV: 762.44
W 12" INV: 762.44

SS40.1
CATCH BASINS 2x3-H-S
RIM: 767.09
STR DEPTH: 5.61'
SUMP DEPTH: 2.0'
N 12" INV: 762.47
W 12" INV: 762.47

SS35.0
MANHOLES 5-J
RIM: 758.15
STR DEPTH: 4.77'
SUMP DEPTH: 0.0'
W 24" INV: 752.14
E 24" INV: 752.14
S 12" INV: 753.00
N 12" INV: 753.00

SSPRC CLASS III 12-INCH 48 LF @ 2.00%

SSPRC CLASS III 12-INCH 51 LF @ 1.00%

SSPRC CLASS III 12-INCH 26 LF @ 2.11%

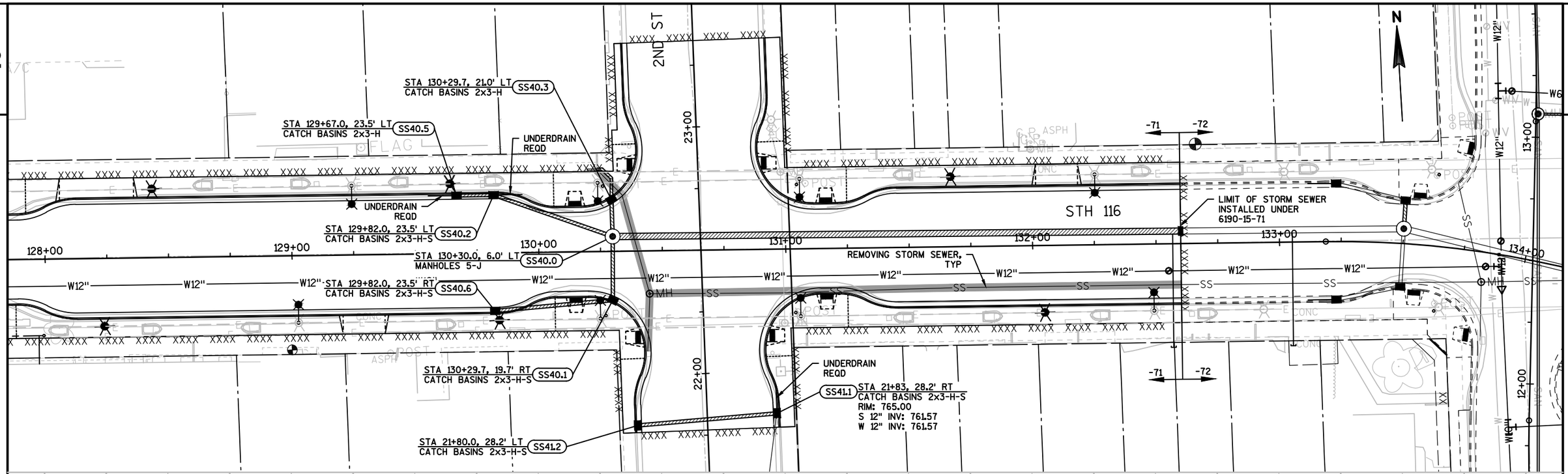
SSPRC CLASS III 24-INCH 230 LF @ 2.79%

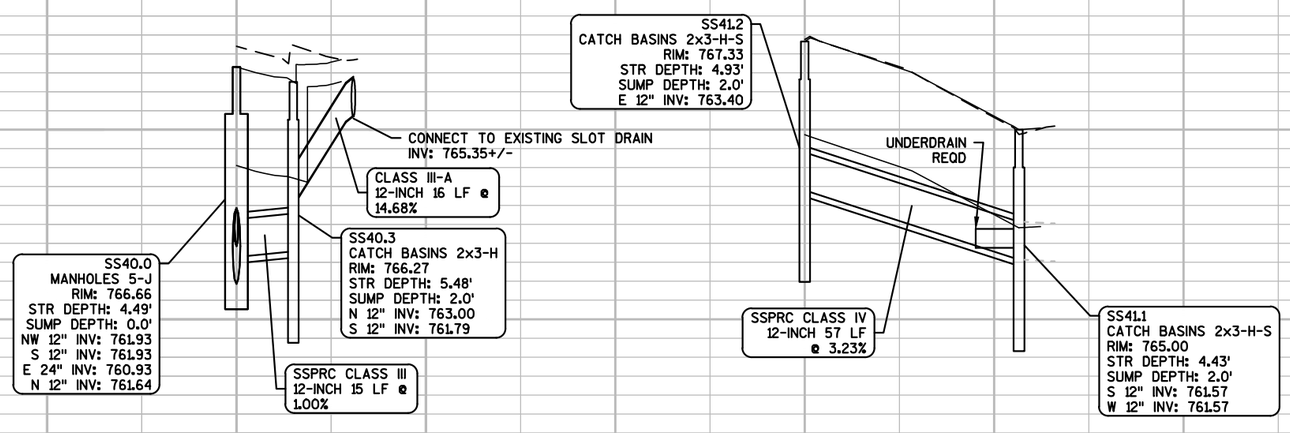
765 760 755 750

1. LOCATIONS FOR INLETS AND MANHOLES REFERS TO CENTER OF STRUCTURE
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PROJECT NO: 6190-15-71	HWY: STH 116	COUNTY: WINNEBAGO	STORM SEWER	SHEET 48	E

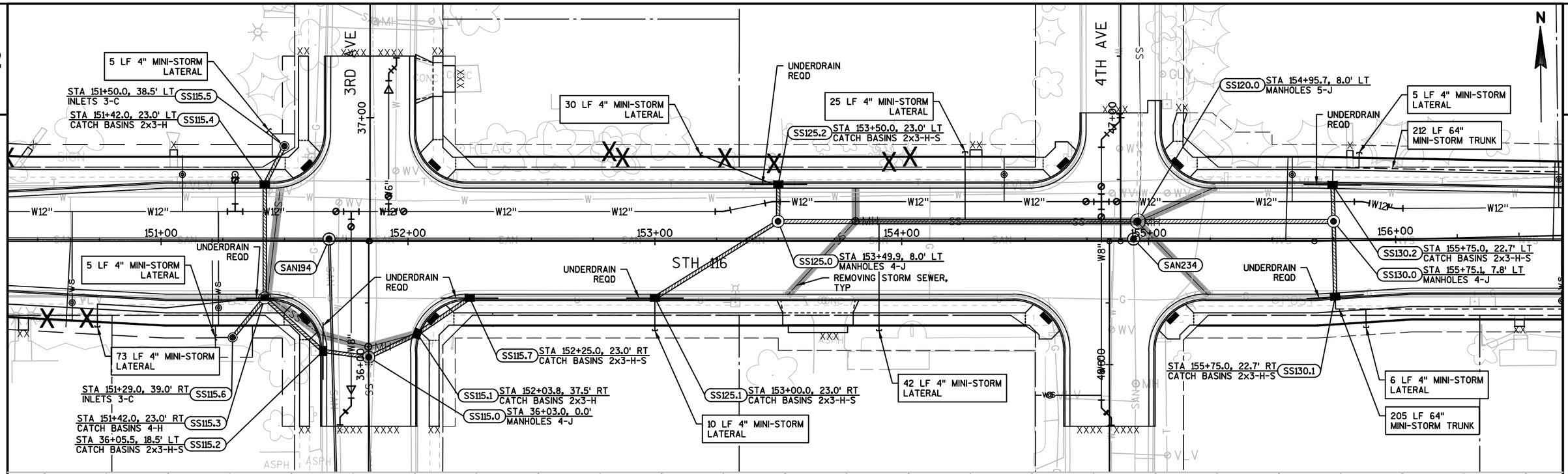
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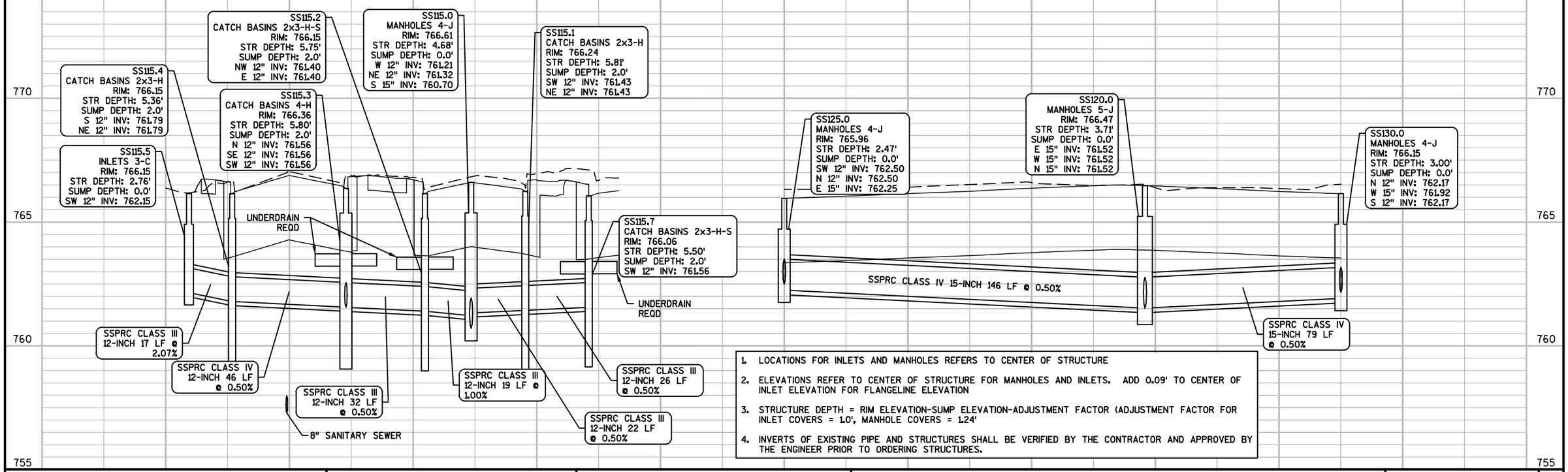




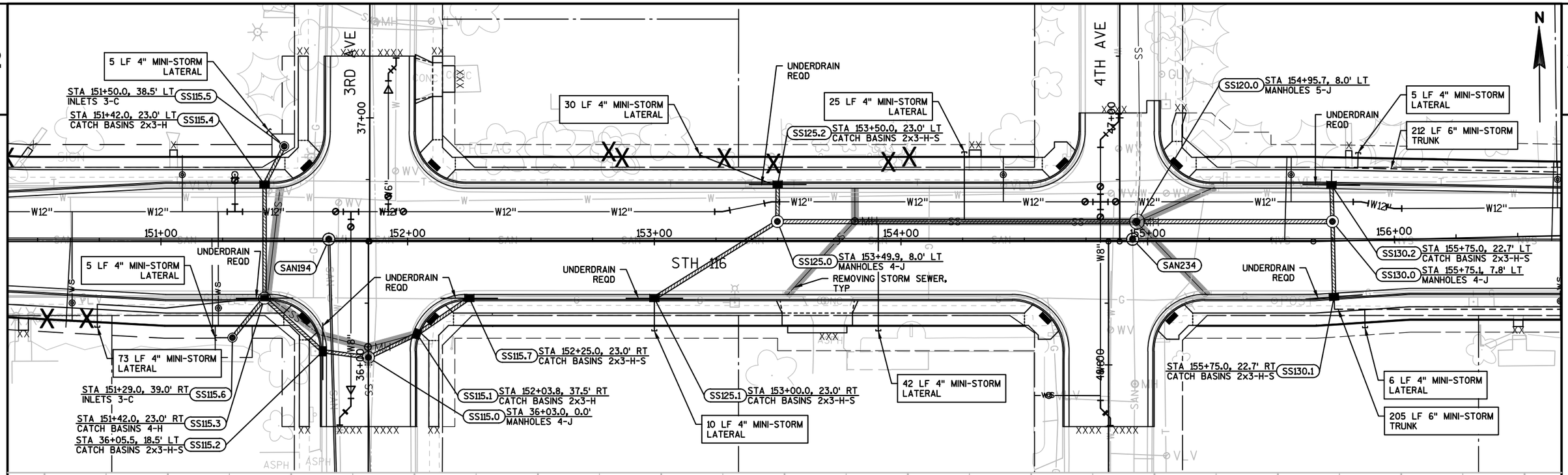
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PROJECT NO: 6190-15-71	HWY: STH 116	COUNTY: WINNEBAGO	STORM SEWER	SHEET 49	E

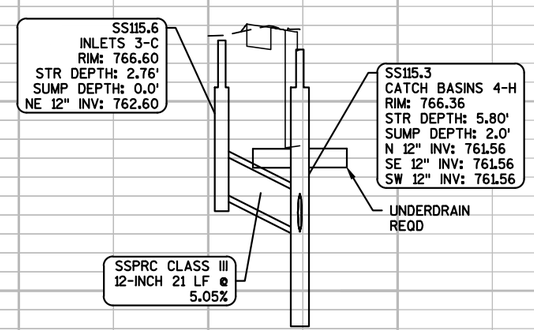


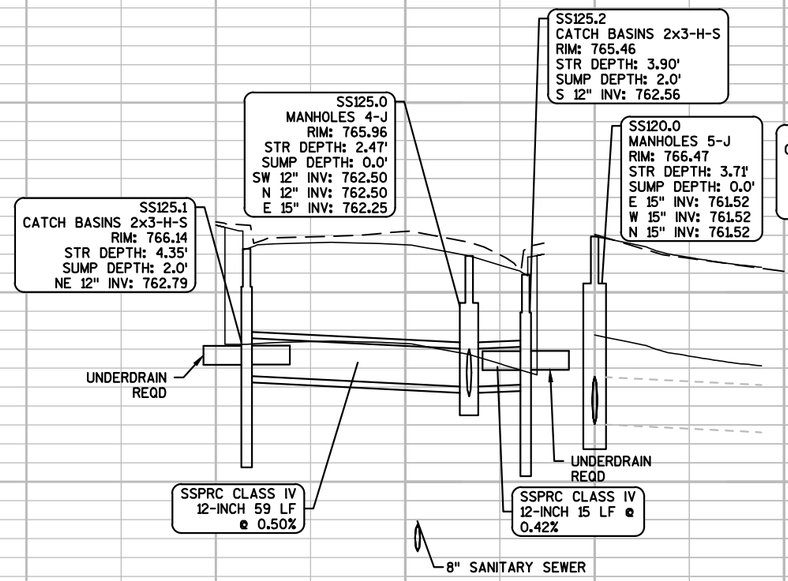


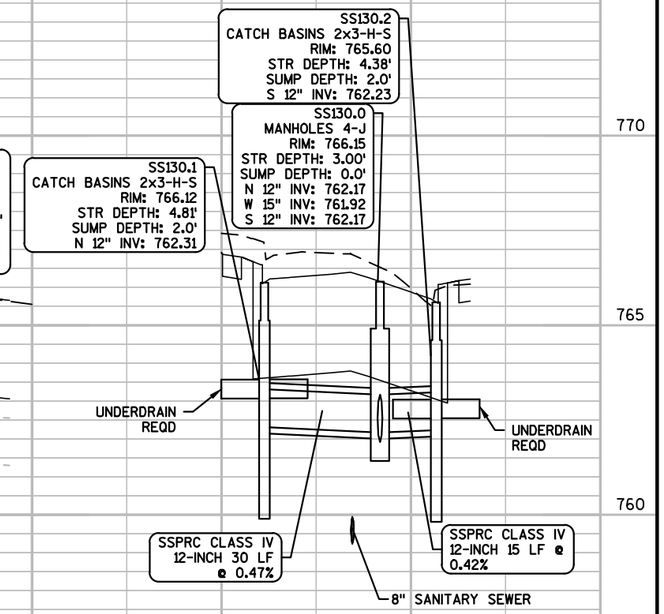
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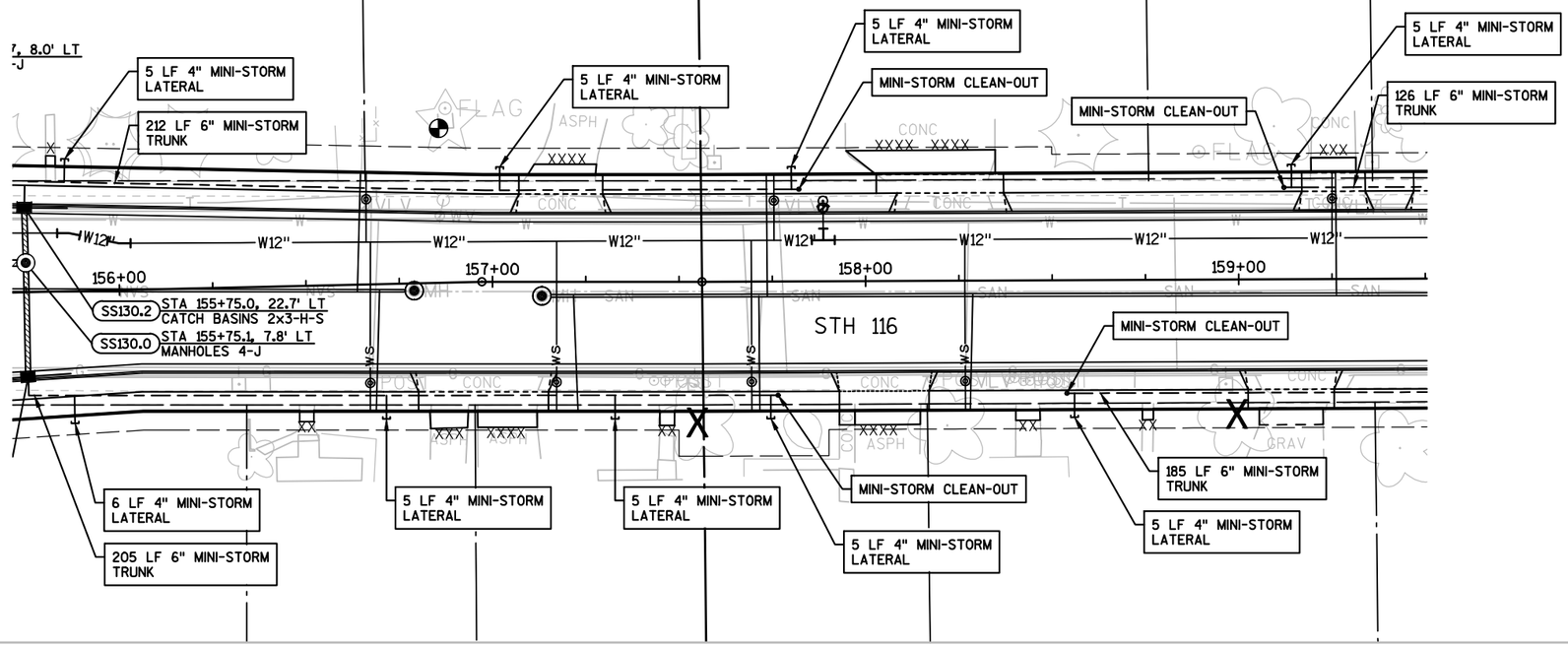
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PROJECT NO: 6190-15-71	HWY: STH 116	COUNTY: WINNEBAGO	STORM SEWER	SHEET 51 E



N

PROJECT NO: 6190-15-71	HWY: STH 116	COUNTY: WINNEBAGO	STORM SEWER	SHEET 52	E

FILE NAME : F:\TR\JOBS\E2073A13\CIVIL 3D 2014\SHEETSPLAN\71 SHEETS\61901571-022501-SS.DWG
LAYOUT NAME - 61901571-022510C-SS
PLOT DATE : 9/22/2017 6:01 PM PLOT BY : ANDREW WESTBROOK PLOT NAME : PLOT SCALE : **********
WISDOT/CADDS SHEET 41

STA 160+48.1, 17.5' LT
CATCH BASINS 2x3-H-S SS135.1

STA 160+33.1, 17.5' LT
CATCH BASINS 2x3-H-S SS135.4

5 LF 4" MINI-STORM LATERAL

126 LF 6" MINI-STORM TRUNK

6TH AVE

67+00

SS135.0 STA 66+77.9, 10.3' RT
MANHOLES 5-J

20 LF 4" MINI-STORM LATERAL

5 LF 4" MINI-STORM LATERAL

MINI-STORM CLEAN-OUT

STA 163+38.0, 22.3' LT
CATCH BASINS 2x3-H-S SS145.2

5 LF 4" MINI-STORM LATERAL

83 LF 6" MINI-STORM TRUNK

UNDERDRAIN REQD

50 LF 4" MINI-STORM LATERAL

7TH AVE

77+00

10 LF 4" MINI-STORM LATERAL

STA 165+50.0, 23.5' LT
CATCH BASINS 2x3-H-S SS140.1

UNDERDRAIN REQD

N

W12" W12" W12" W12" W12" W12" W12" W12" W12" W12" W12" W12" W12" W12"

160+00 161+00 162+00 163+00 164+00 165+00

SAN237

SAN238

REMOVING STORM SEWER, TYP

SS135.2 STA 160+48.1, 23.5' RT
CATCH BASINS 2x3-H

STH 116

STA 163+45.0, 16.5' RT
MANHOLES 5-J SS145.0

SS135.2 STA 160+48.1, 23.5' RT
CATCH BASINS 2x3-H

SS145.1 STA 163+38.0, 22.3' RT
CATCH BASINS 2x3-H-S

UNDERDRAIN REQD

46 LF 4" MINI-STORM LATERAL

SS140.0 STA 164+53.0, 16.0' RT
MANHOLES 5-J

5 LF 4" MINI-STORM LATERAL

185 LF 6" MINI-STORM TRUNK

10 LF 4" MINI-STORM LATERAL

SS135.3 STA 160+33.1, 23.5' RT
CATCH BASINS 2x3-H

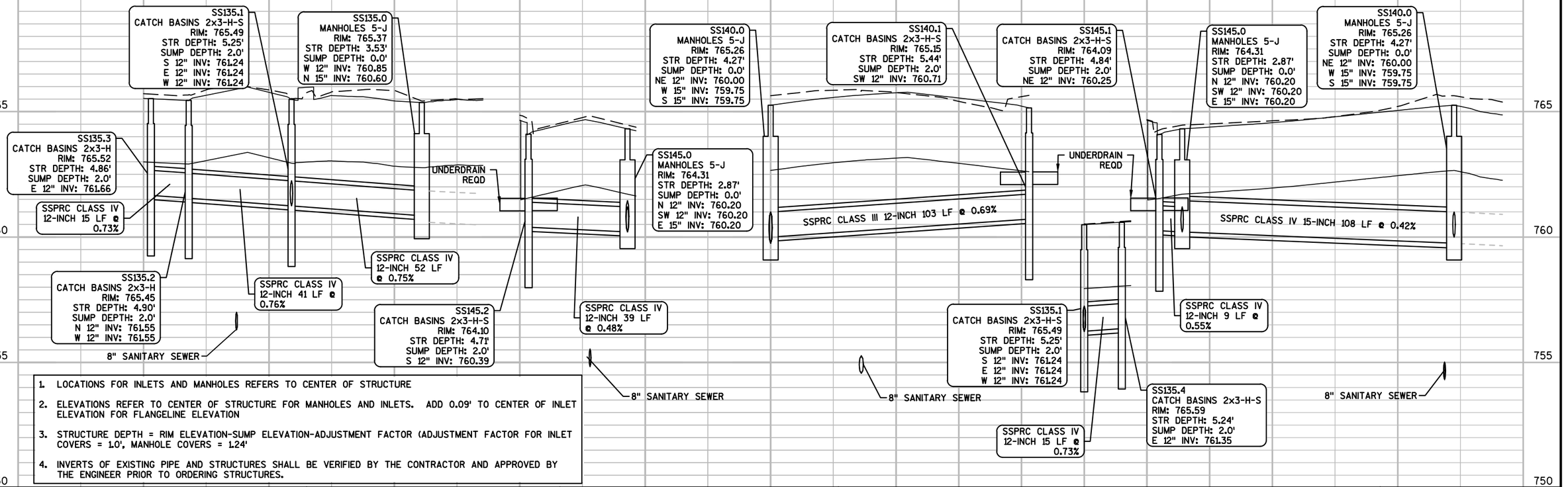
MINI-STORM CLEAN-OUT

5 LF 4" MINI-STORM LATERAL

124 LF 6" MINI-STORM TRUNK

5 LF 4" MINI-STORM LATERAL

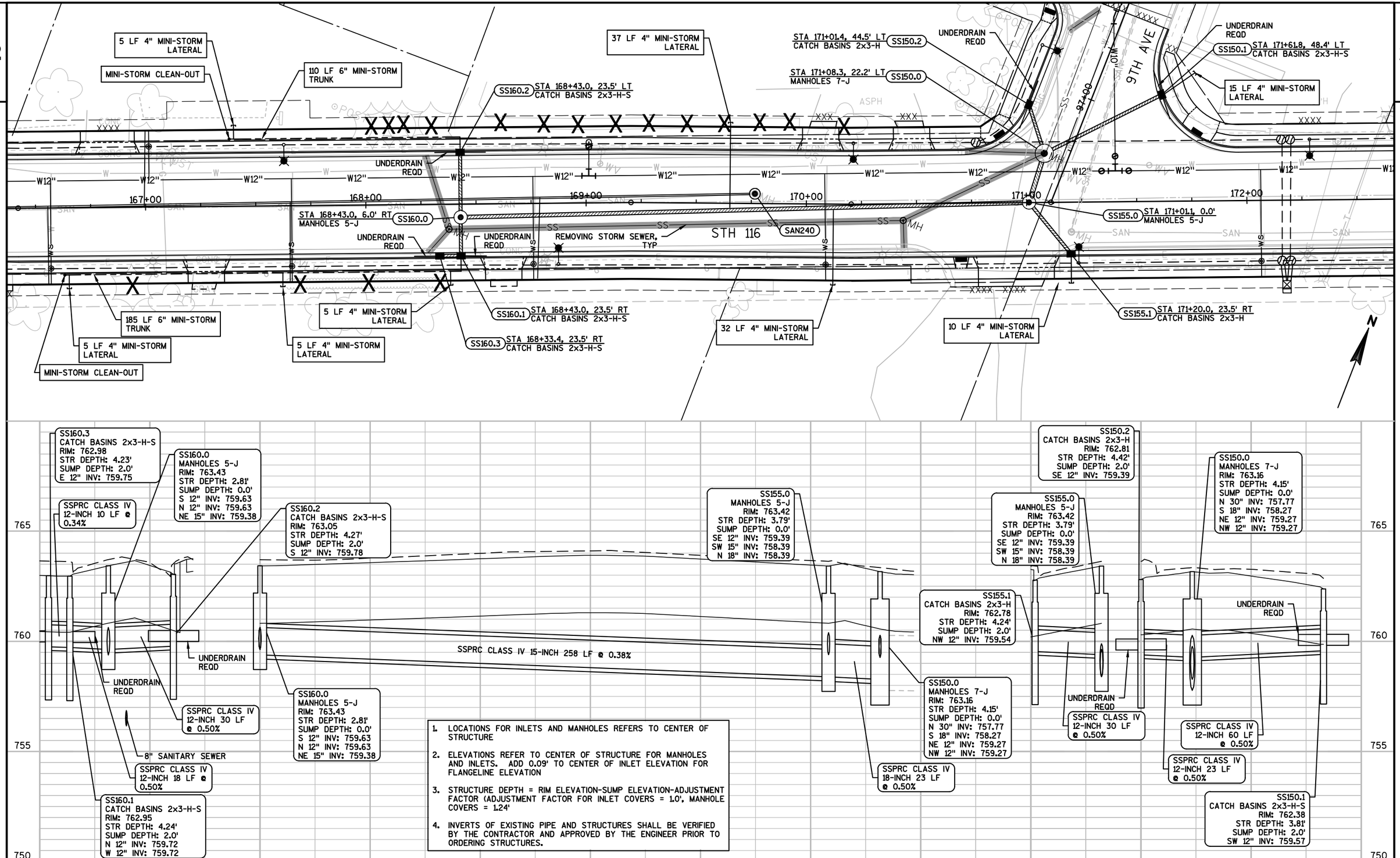
76+00



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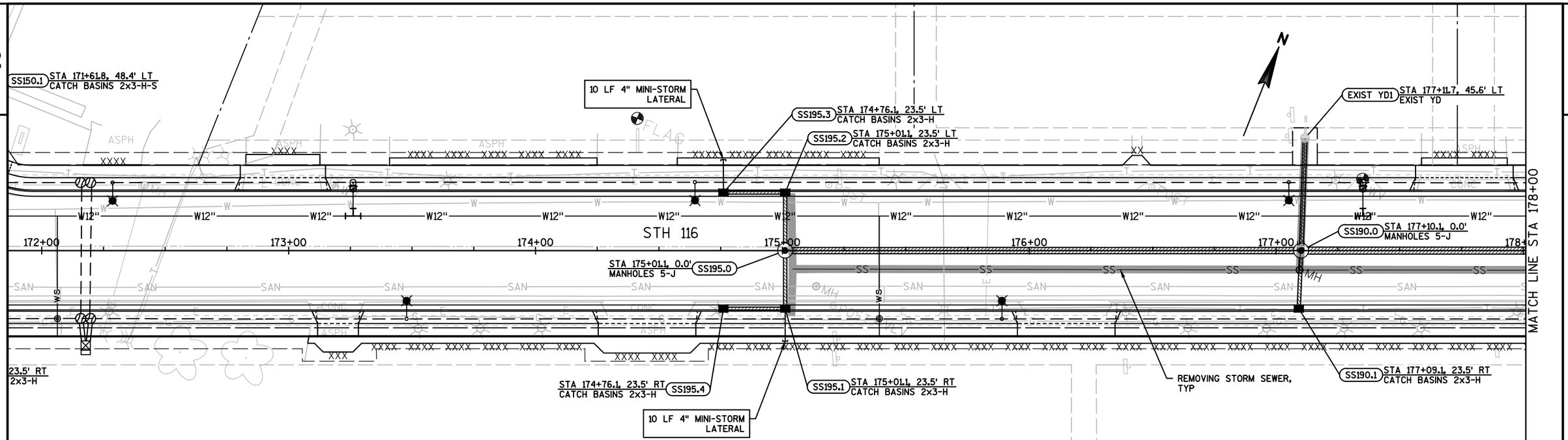
PROJECT NO: 6190-15-71	HWY: STH 116	COUNTY: WINNEBAGO	STORM SEWER	SHEET 53	E

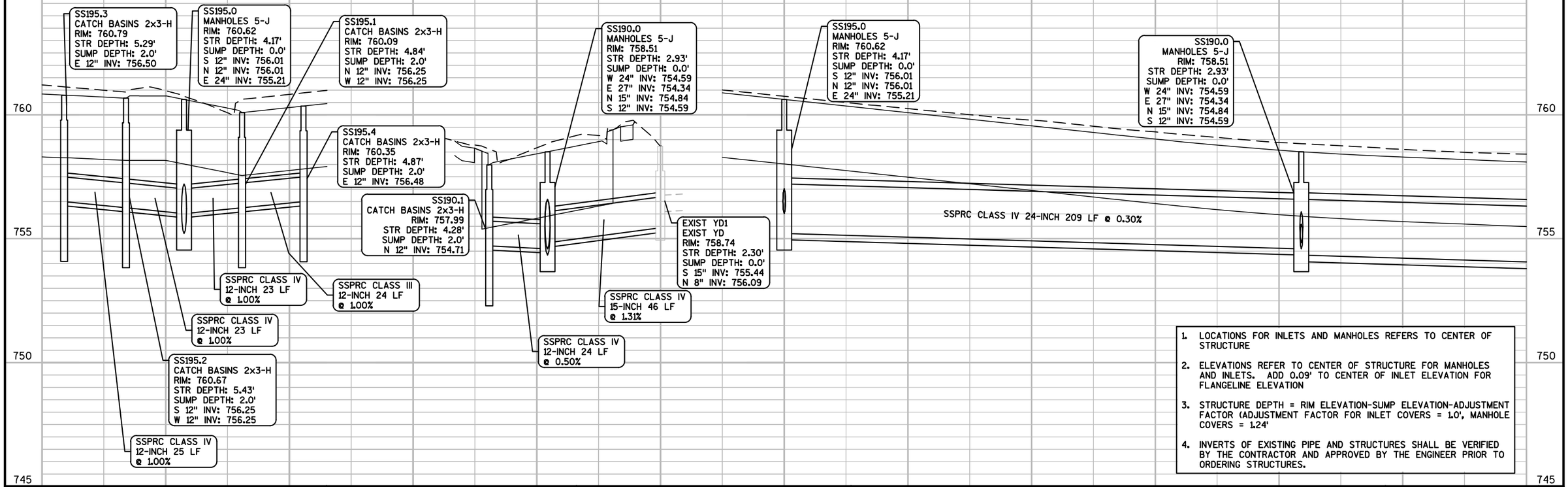
FILE NAME : F:\TR\JOBS\E2073A13\CIVIL 3D 2014\SHEETSPLAN\71 SHEETS\61901571-022501-SS.DWG
LAYOUT NAME - 61901571-022511-SS
PLOT DATE : 9/22/2017 6:01 PM PLOT BY : ANDREW WESTBROOK PLOT NAME : PLOT SCALE : **********
WISDOT/CADDS SHEET 41



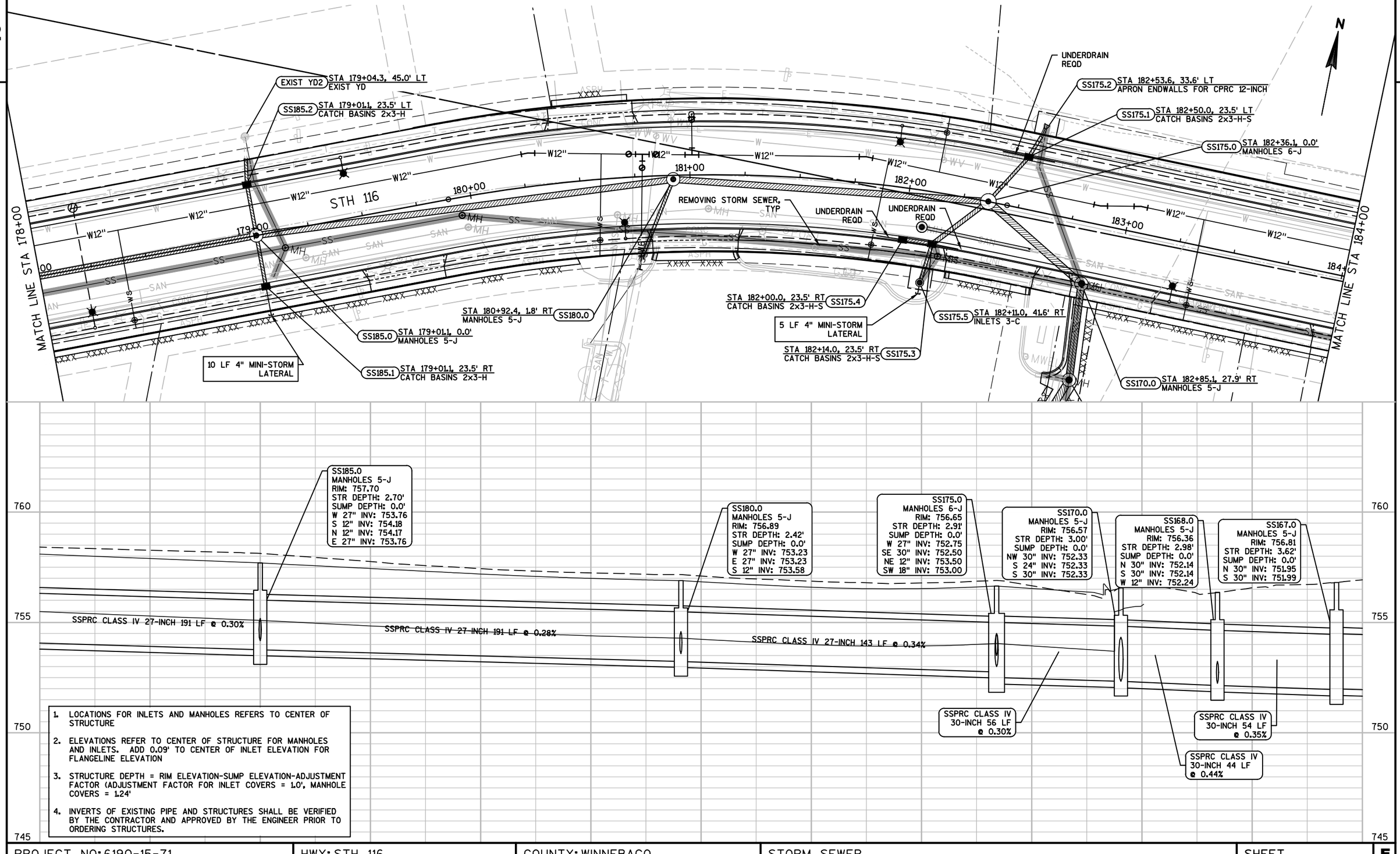
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PROJECT NO: 6190-15-71	HWY: STH 116	COUNTY: WINNEBAGO	STORM SEWER	SHEET 54	E

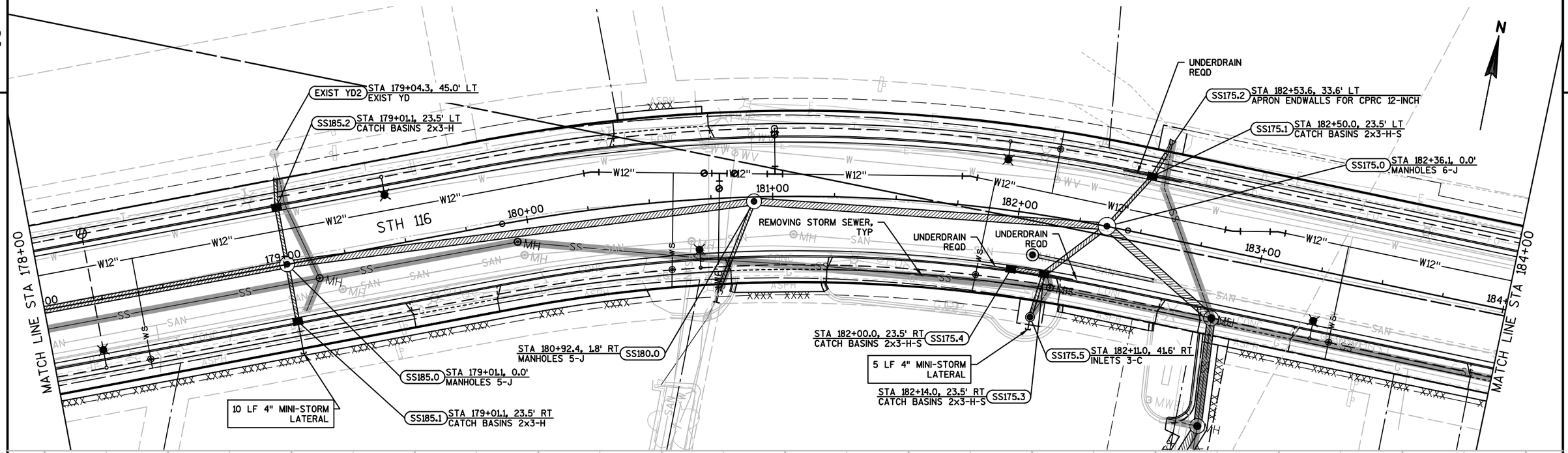


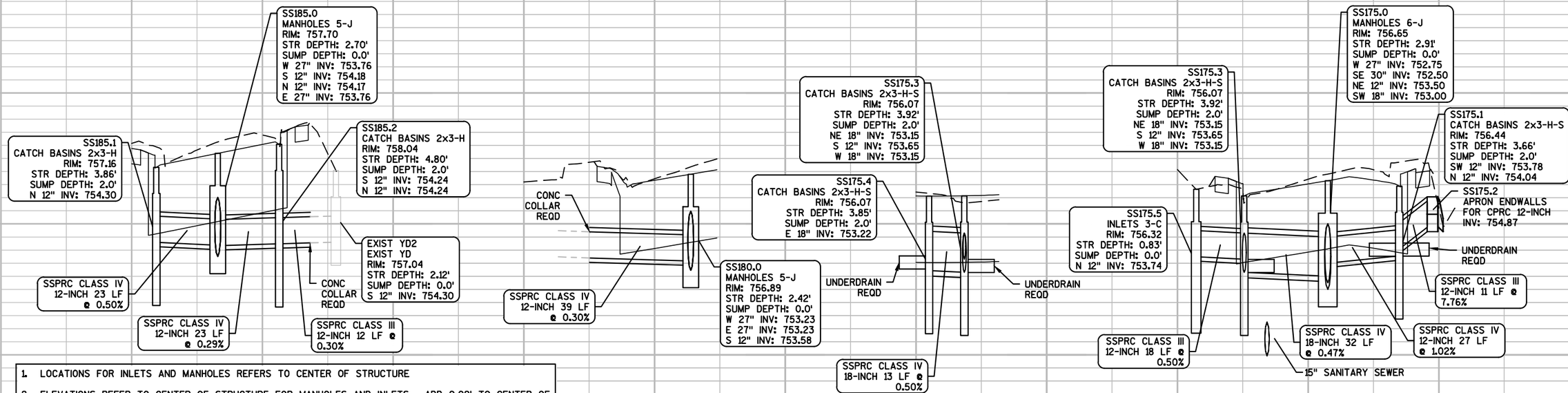


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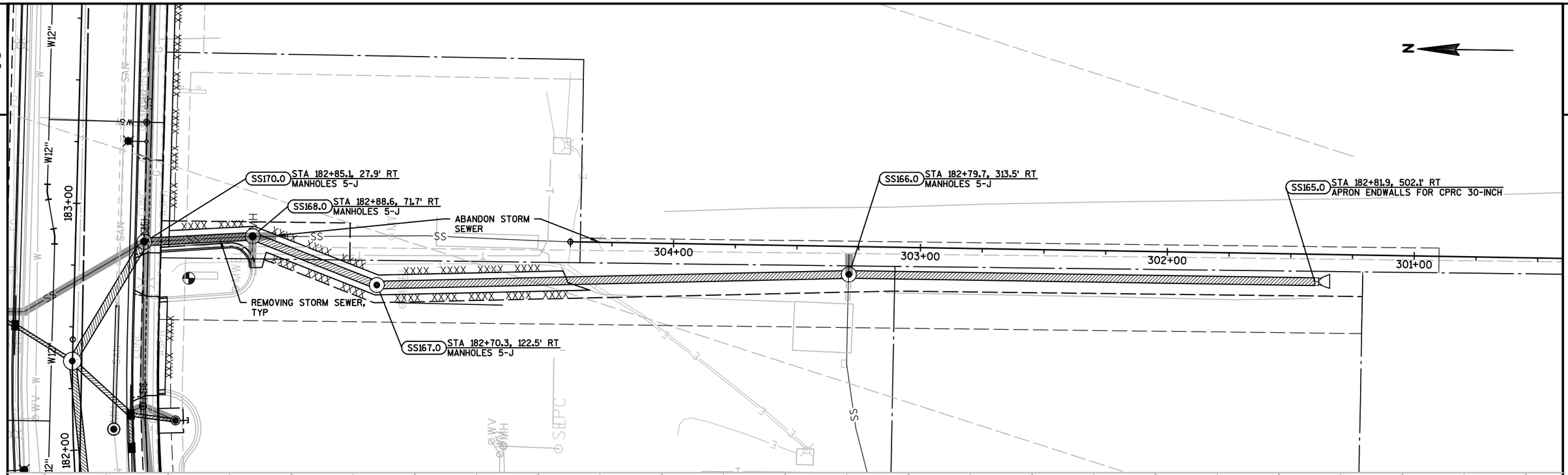


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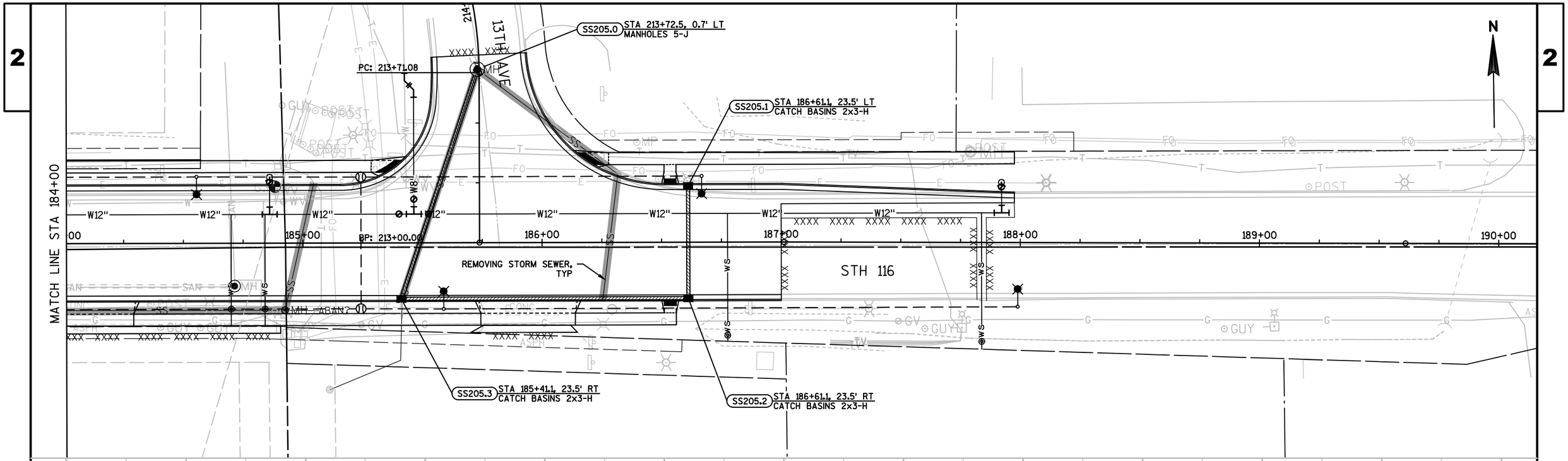


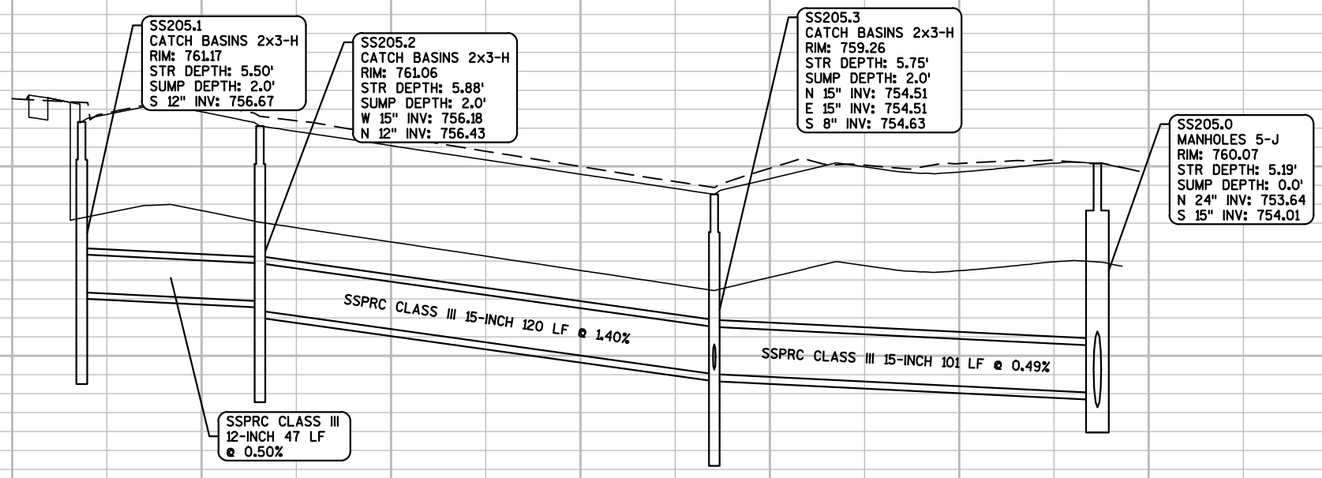
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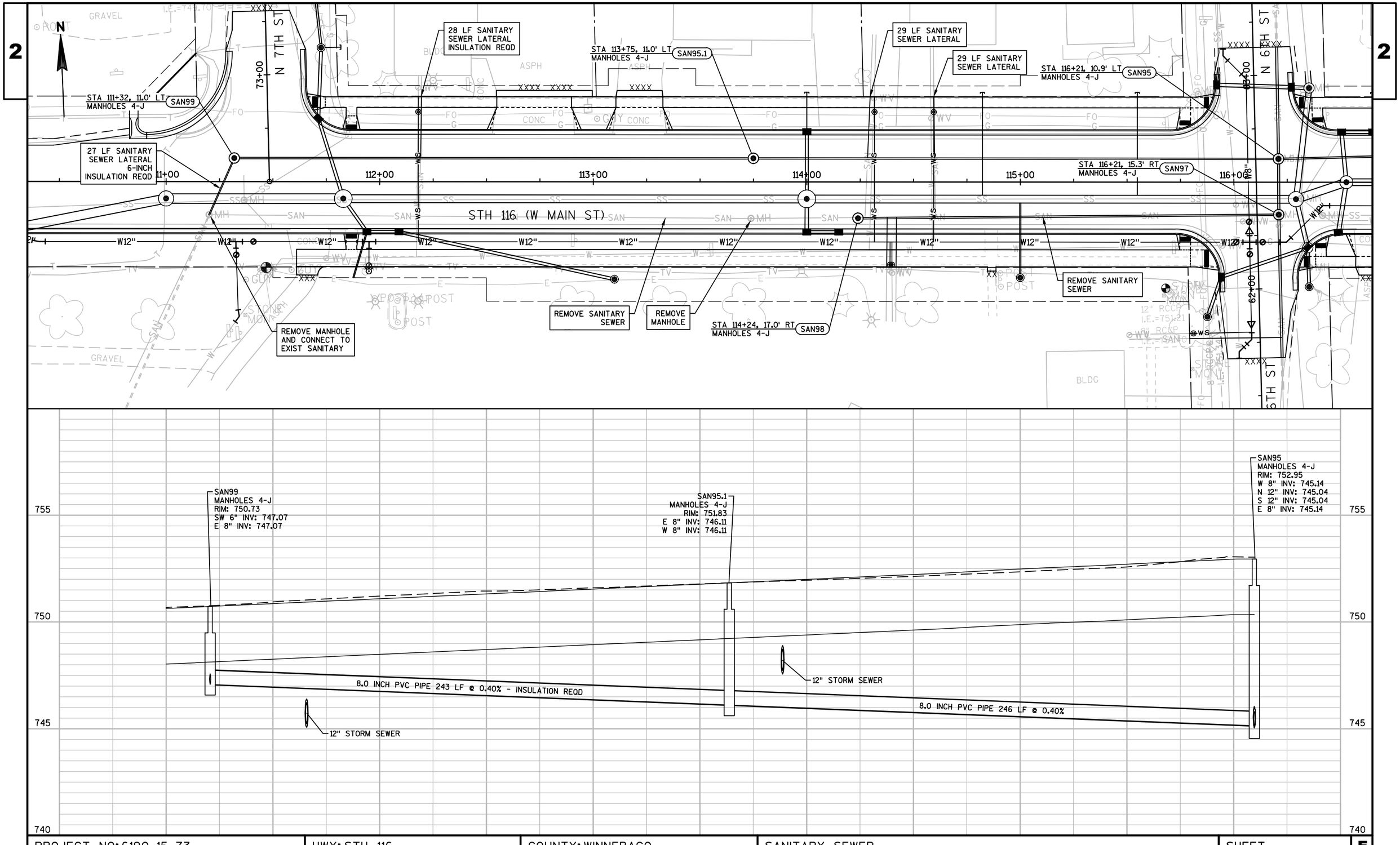
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PROJECT NO: 6190-15-71	HWY: STH 116	COUNTY: WINNEBAGO	STORM SEWER	SHEET 58	E



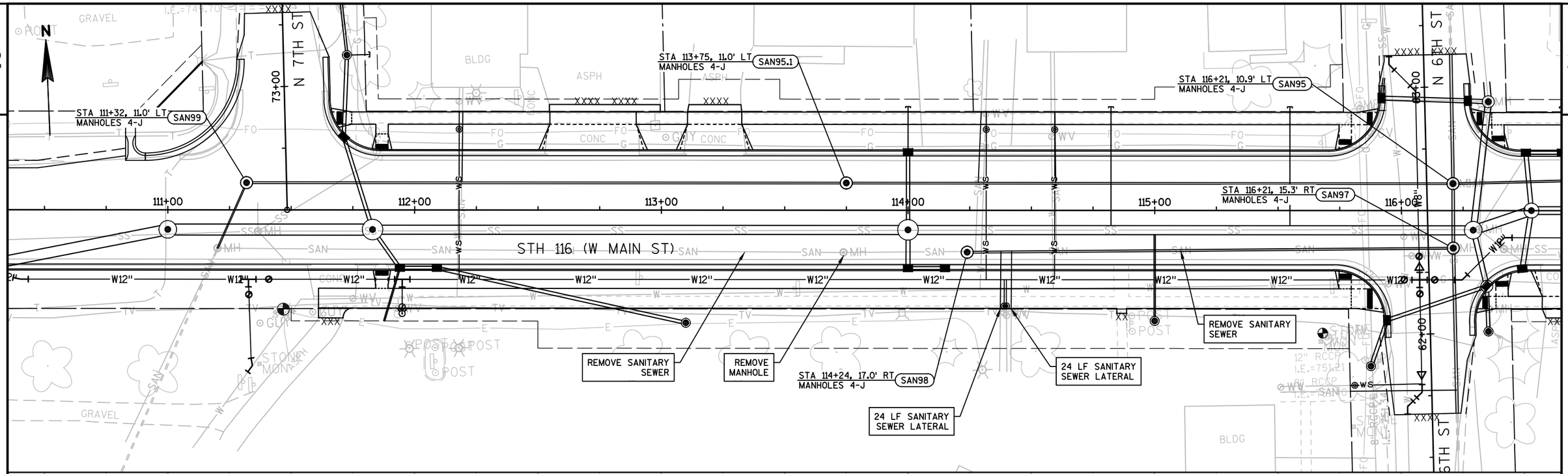


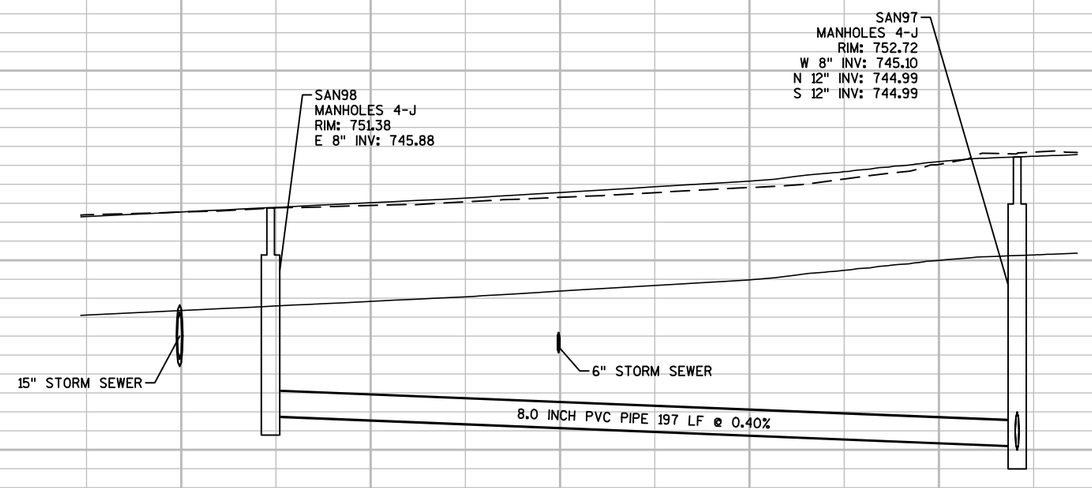
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PROJECT NO: 6190-15-73	HWY: STH 116	COUNTY: WINNEBAGO	SANITARY SEWER	SHEET 60	E

2





PROJECT NO: 6190-15-73	HWY: STH 116	COUNTY: WINNEBAGO	SANITARY SEWER	SHEET 61 E

STA 113+75, 11.0' LT
MANHOLES 4-J
SAN95.1

STA 116+21, 10.9' LT
MANHOLES 4-J
SAN95

STA 116+21, 15.3' RT
MANHOLES 4-J
SAN97

STA 114+24, 17.0' RT
MANHOLES 4-J
SAN98

STA 118+71, 17.4' LT
MANHOLES 4-J
SAN96

CONNECT TO EXIST SANITARY

REMOVE SANITARY SEWER

REMOVE SANITARY SEWER

24 LF SANITARY SEWER LATERAL

43 LF SANITARY SEWER LATERAL

54 LF SANITARY SEWER LATERAL

57 LF SANITARY SEWER LATERAL

REMOVE SANITARY SEWER

CONNECT TO EXIST SANITARY

N 6TH ST

6TH ST

MAIN ST

SSMH W/GRATE
RIM=752.24

113+00 114+00 115+00 116+00 117+00 118+00 119+00

62+00 63+00

W12" W8" W12" W12" W12" W12" W12" W12" W12" W12" W12" W12"

N

SAN95
MANHOLES 4-J
RIM: 752.95
W 8" INV: 745.14
N 12" INV: 745.04
S 12" INV: 745.04
E 8" INV: 745.14

SAN97
MANHOLES 4-J
RIM: 752.72
W 8" INV: 745.10
N 12" INV: 744.99
S 12" INV: 744.99

36" STORM SEWER

15" STORM SEWER

12" STORM SEWER

EXIST 10" DIA
INV: 745.13
VERIFY PRIOR TO
ORDERING STRUCTURES

12.0 INCH PVC PIPE
53 LF @ 0.17%

12.0 INCH PVC PIPE
26 LF @ 0.19%

12.0 INCH PVC PIPE
67 LF @ 0.20%

EXIST 10" DIA
INV: 744.86
VERIFY PRIOR TO ORDERING STRUCTURES

SAN96
MANHOLES 4-J
RIM: 753.97
W 8" INV: 746.44

SAN95
MANHOLES 4-J
RIM: 752.95
W 8" INV: 745.14
N 12" INV: 745.04
S 12" INV: 745.04
E 8" INV: 745.14

15" STORM SEWER

24" STORM SEWER

8.0 INCH PVC PIPE 251 LF @ 0.52%

755 750 745 740

PROJECT NO: 6190-15-73	HWY: STH 116	COUNTY: WINNEBAGO	SANITARY SEWER	SHEET 62	E

2

REMOVE SANITARY SEWER

27 LF SANITARY SEWER LATERAL

STA 118+71, 17.4' LT
MANHOLES 4-J
SAN96

STA 120+81, 10.5' LT
MANHOLES 4-J
SAN86

STA 122+45, 12.9' LT
MANHOLES 4-J
SAN85

STA 124+14, 11.8' LT
MANHOLES 4-J
SAN84

STH 116 (W MAIN ST)

N 5TH ST

S 5TH ST

118+00 119+00 120+00 121+00 122+00 123+00

N

760
755
750

SAN85
MANHOLES 4-J
RIM: 761.56
W 8" INV: 753.00

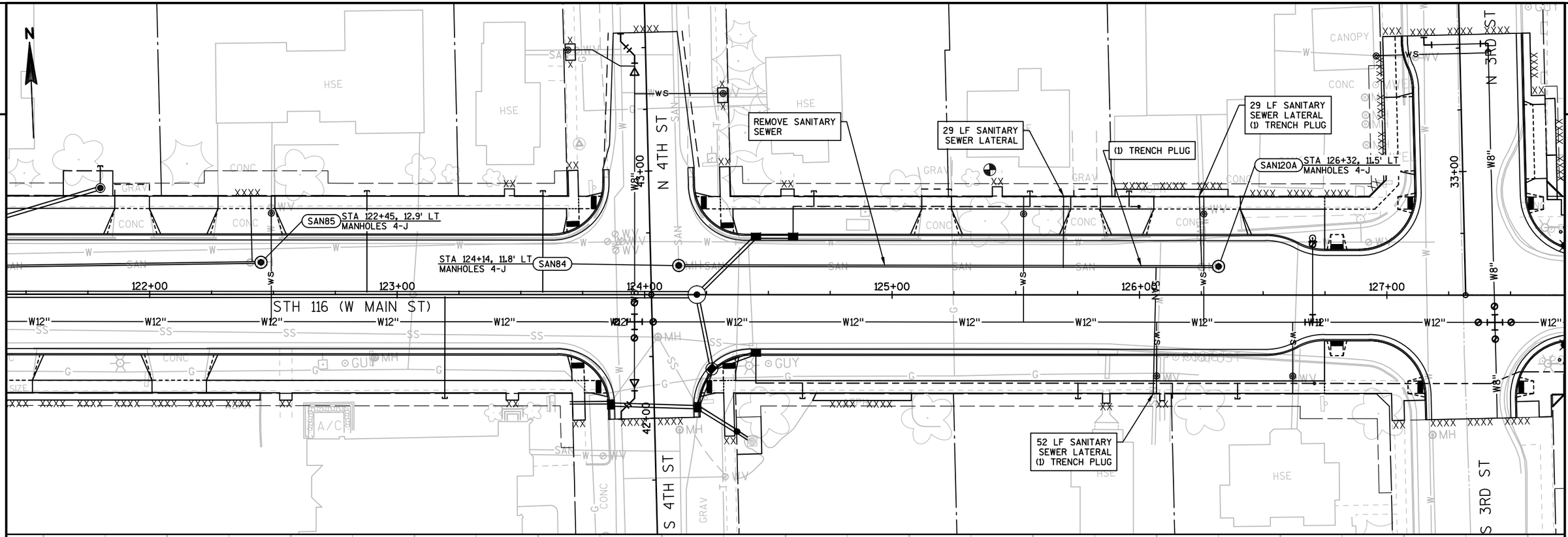
21" STORM SEWER

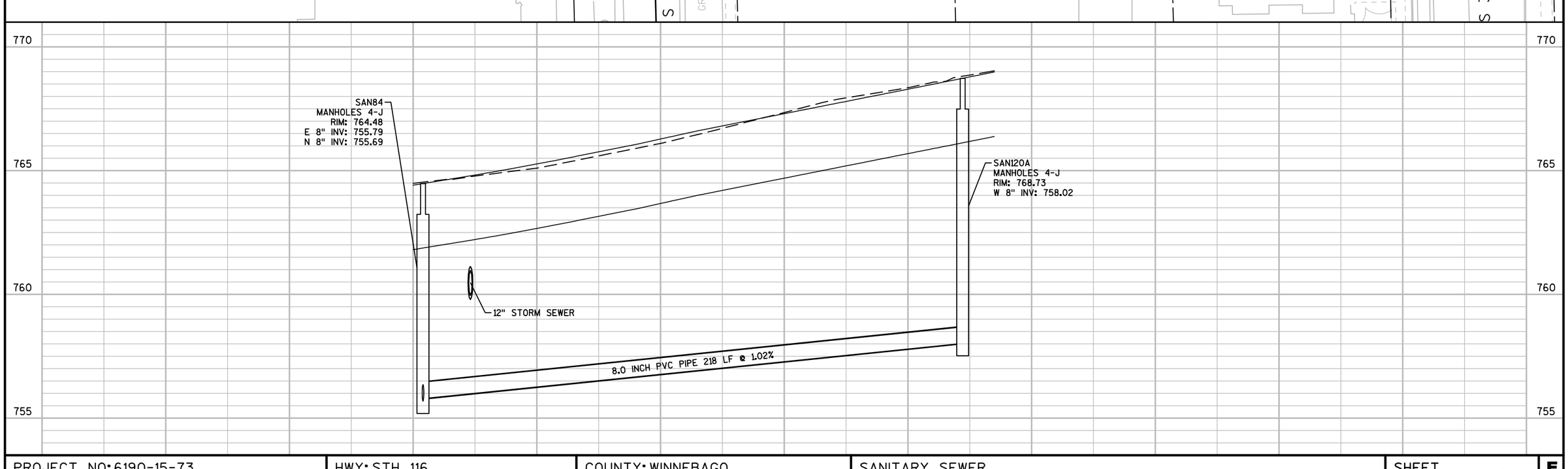
SAN86
MANHOLES 4-J
RIM: 757.55
N 8" INV: 750.11
S 8" INV: 750.11
E 8" INV: 750.41

8.0 INCH PVC PIPE 164 LF @ 1.58%

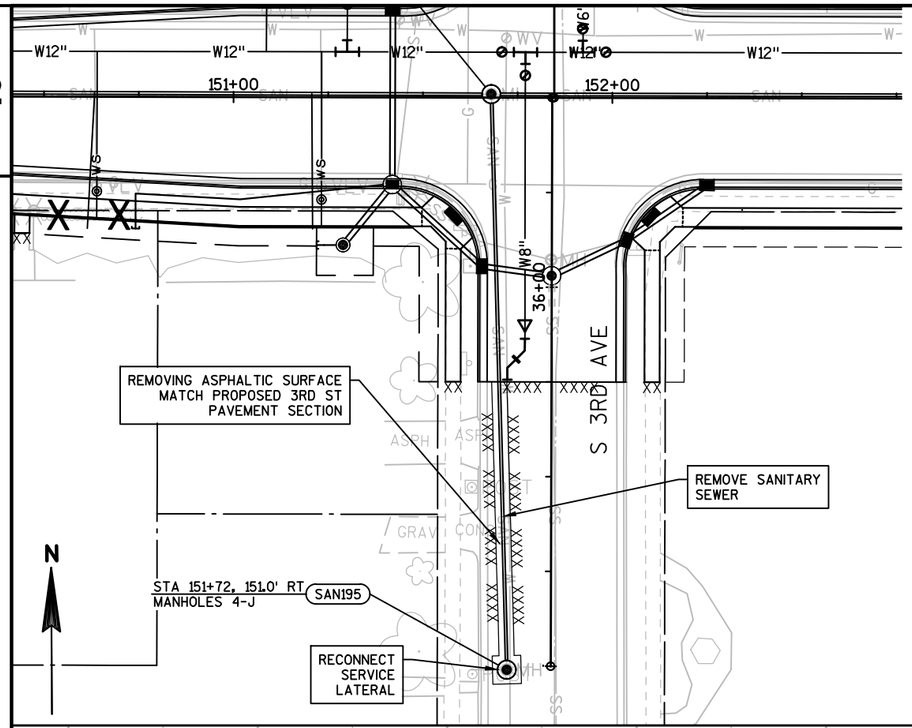
PROJECT NO: 6190-15-73	HWY: STH 116	COUNTY: WINNEBAGO	SANITARY SEWER	SHEET 63	E

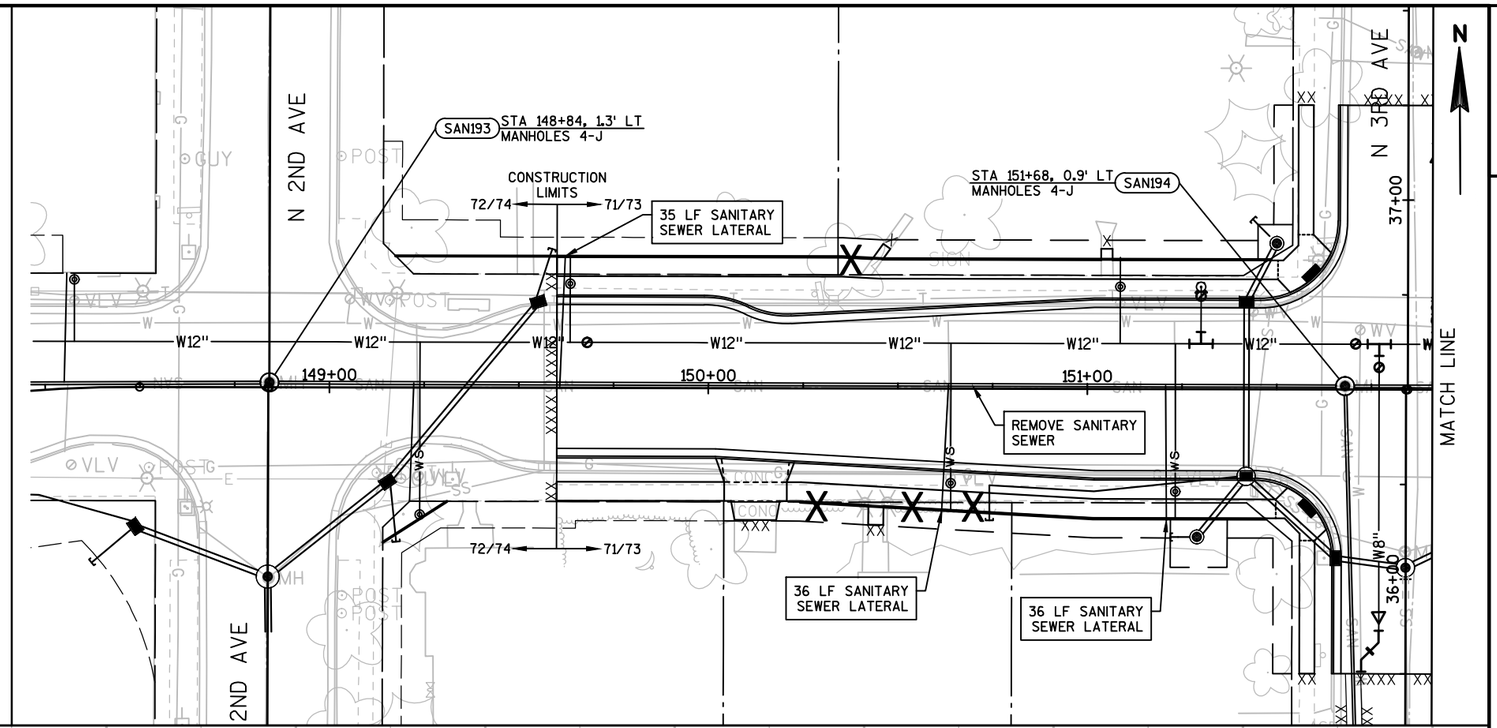
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LAYOUT NAME - 61901573-023003-UP
PLOT DATE : 9/22/2017 5:34 PM PLOT BY : ANDREW WESTBROOK PLOT NAME : PLOT SCALE : **********
WISDOT/CADDS SHEET 41

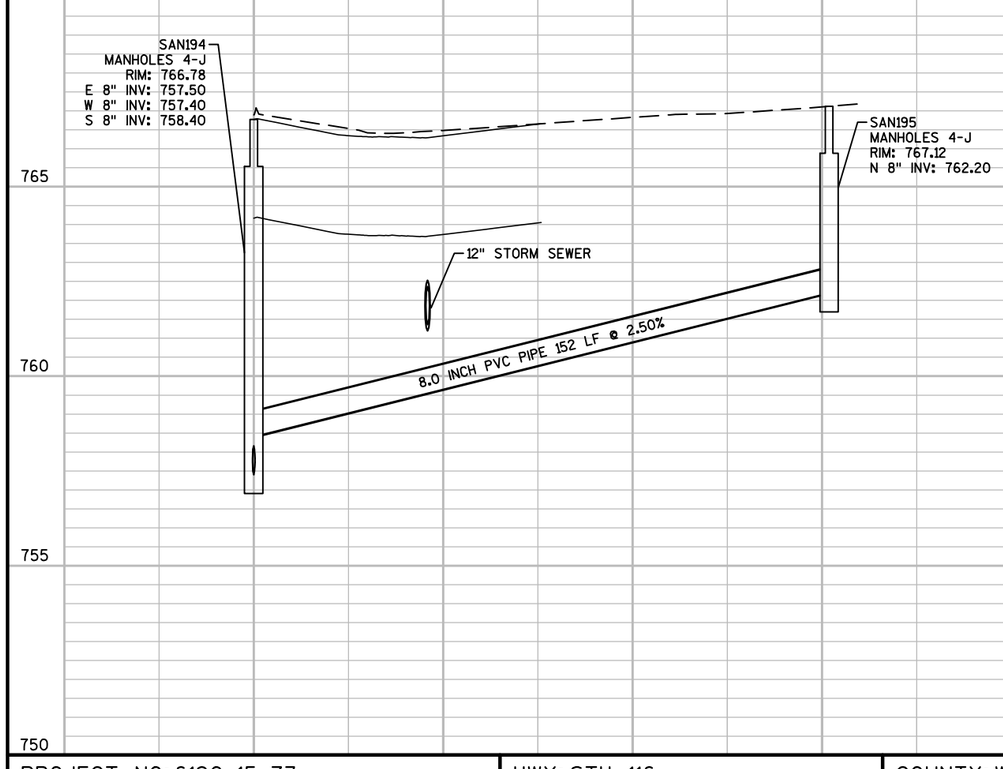


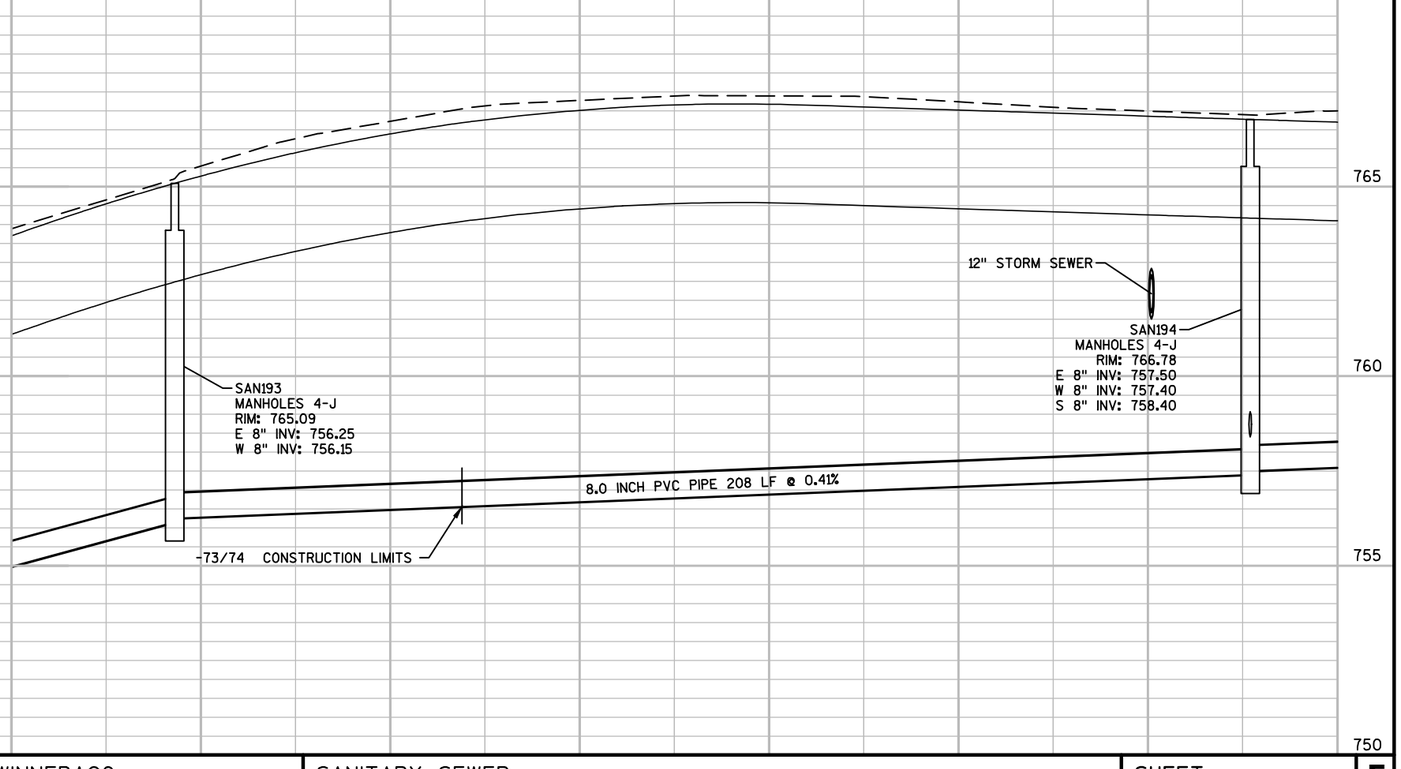


PROJECT NO: 6190-15-73	HWY: STH 116	COUNTY: WINNEBAGO	SANITARY SEWER	SHEET 64	E



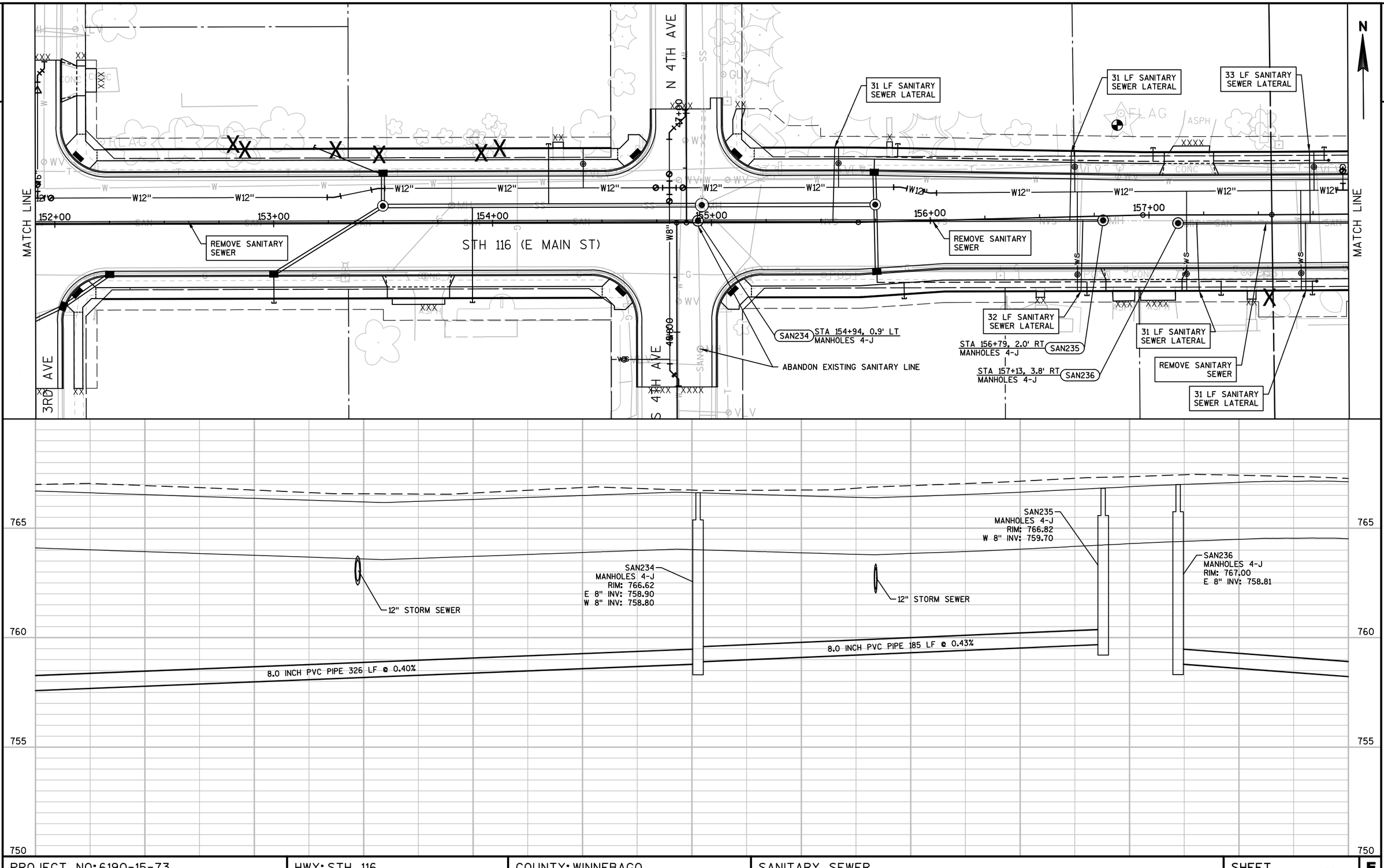






PROJECT NO: 6190-15-73	HWY: STH 116	COUNTY: WINNEBAGO	SANITARY SEWER	SHEET 65	E

FILE NAME : F:\TR\JOBS\E2073A13\CIVIL 3D 2014\SHEETSPLAN\73 SHEETS\61901573-023001-UP.DWG
LAYOUT NAME - 61901573-023010-UP
PLOT DATE : 9/22/2017 5:34 PM PLOT BY : ANDREW WESTBROOK PLOT NAME : PLOT SCALE : **********
WISDOT/CADDS SHEET 41



PROJECT NO: 6190-15-73	HWY: STH 116	COUNTY: WINNEBAGO	SANITARY SEWER	SHEET 66 E

2

N

MATCH LINE

MATCH LINE

33 LF SANITARY SEWER LATERAL

33 LF SANITARY SEWER LATERAL

34 LF SANITARY SEWER LATERAL

35 LF SANITARY SEWER LATERAL

36 LF SANITARY SEWER LATERAL

N 6TH AVE

67+00

158+00

159+00

160+00

161+00

162+00

163+00

W12"

REMOVE SANITARY SEWER

SAN237 STA 160+87, 4.5' RT MANHOLES 4-J

STH 116 (E MAIN ST)

REMOVE SANITARY SEWER

31 LF SANITARY SEWER LATERAL

31 LF SANITARY SEWER LATERAL

31 LF SANITARY SEWER LATERAL

31 LF SANITARY SEWER LATERAL

30 LF SANITARY SEWER LATERAL

765

760

755

750

12" STORM SEWER

SAN237
MANHOLES 4-J
RIM: 765.70
W 8" INV: 756.02
E 8" INV: 755.92

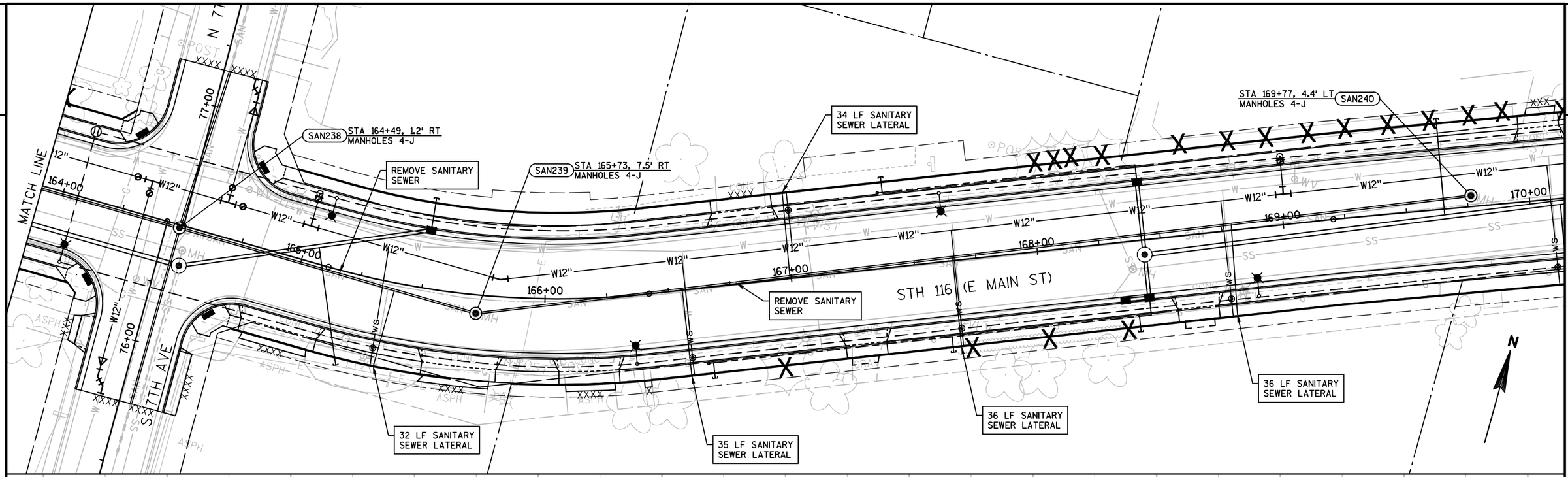
12" STORM SEWER

8.0 INCH PVC PIPE 374 LF @ 0.75%

8.0 INCH PVC PIPE 362 LF @ 0.42%

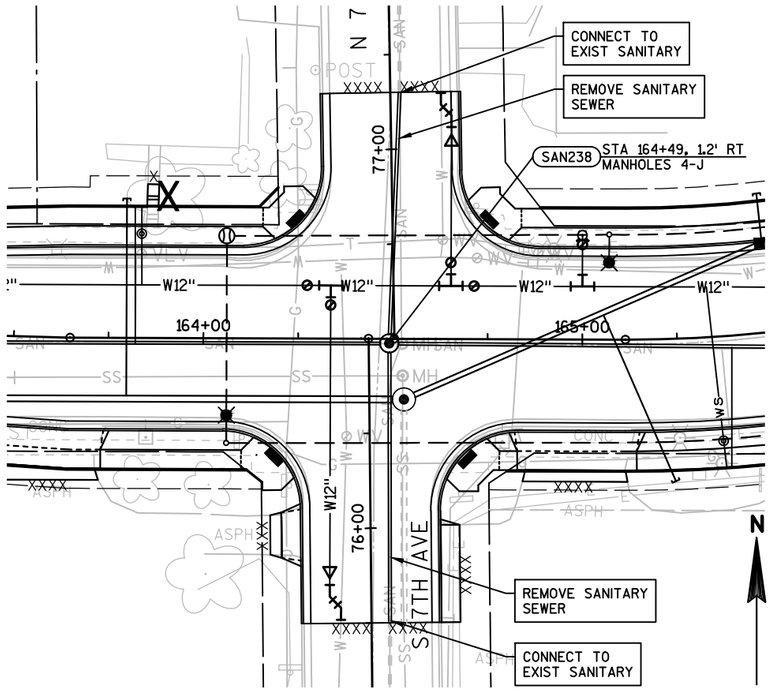
PROJECT NO: 6190-15-73	HWY: STH 116	COUNTY: WINNEBAGO	SANITARY SEWER	SHEET 67	E

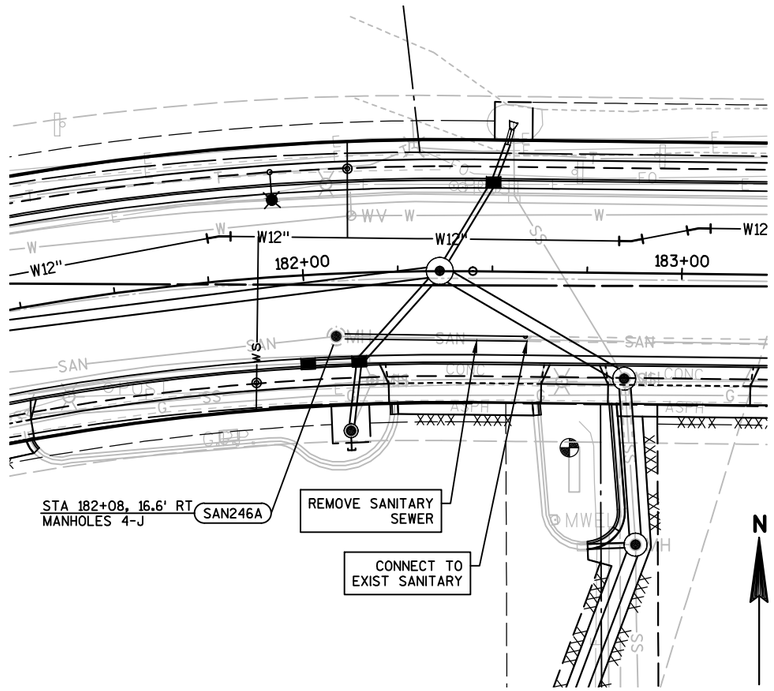
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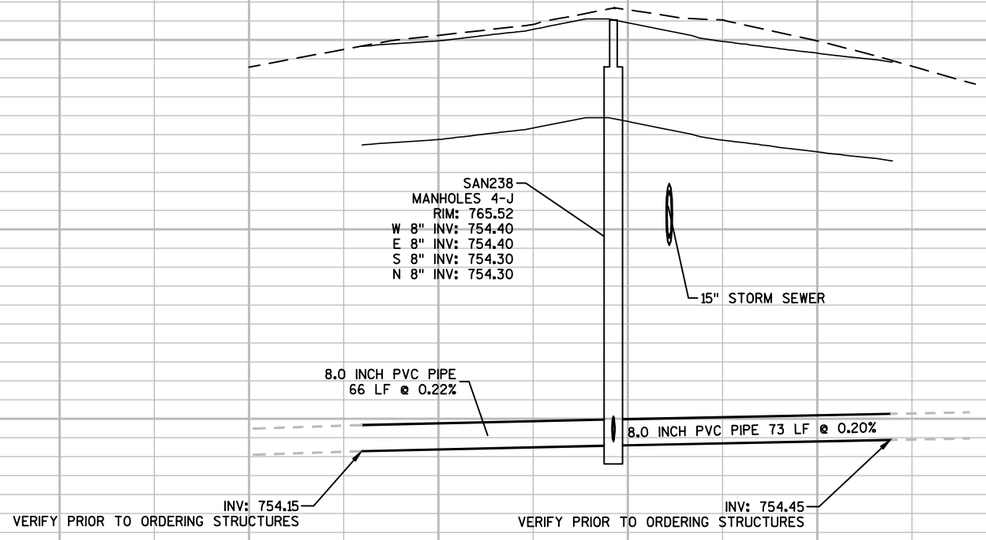


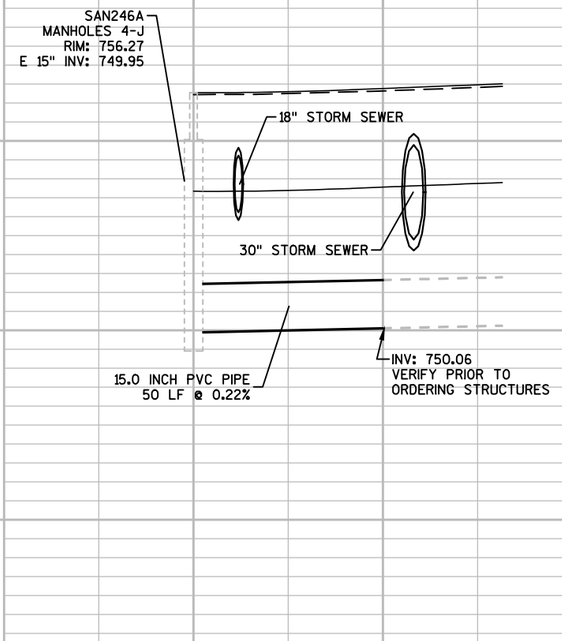
PROJECT NO: 6190-15-73	HWY: STH 116	COUNTY: WINNEBAGO	SANITARY SEWER	SHEET 68	E

FILE NAME : F:\TR\JOBS\E2073A13\CIVIL 3D 2014\SHEETSPLAN\73 SHEETS\61901573-023001-UP.DWG
LAYOUT NAME - 61901573-023013-UP
PLOT DATE : 9/22/2017 5:35 PM PLOT BY : ANDREW WESTBROOK PLOT NAME : PLOT SCALE : **********
WISDOT/CADDS SHEET 41









PROJECT NO: 6190-15-73	HWY: STH 116	COUNTY: WINNEBAGO	SANITARY SEWER	SHEET 69	E

FILE NAME : F:\TR\JOBS\E2073A13\CIVIL 3D 2014\SHEETSPLAN\73 SHEETS\61901573-023001-UP.DWG
LAYOUT NAME - 61901573-023014-UP
PLOT DATE : 9/22/2017 5:35 PM PLOT BY : ANDREW WESTBROOK PLOT NAME : PLOT SCALE : **********
WISDOT/CADDS SHEET 41

2

N

N 9TH ST

93+00

W8"

W8"

103+00 104+00 105+00 106+00 107+00 108+00 109

MATCH LINE STA 109+00

STH 116 (W MAIN ST)

117 LF 12" WATER MAIN

593 LF 12" WATER MAIN

W12" W12" W12" W12" W12" W12" W12" W12" W12" W12" W12" W12"

(1) 12"x6" TEE
STA 103+19.5, 26.0' RT
CAP WEST END

15 LF 6" WATER MAIN

(1) HYDRANT
STA 103+19.5, 41.7' RT
FIN GND ELEV: 748.74
(1) 6" VALVE AND BOX

12"X8" TEE
STA 104+36.2, 26.0' RT
(2) 12" VALVE AND BOX

EXISTING GRADE ALONG MAIN

PROPOSED GRADE ALONG MAIN

PROPOSED SUBGRADE ALONG MAIN

7' MIN DEPTH

18' MIN

24" STORM SEWER

12"X6" TEE
STA: 103+19.5
T/P: 743.5

12"X8" TEE
STA: 104+36.2
T/P: 743.2

9TH ST WATER MAIN

STA: 105+84.4
T/P: 742.8

12" WATER MAIN

750 745 740 735

PROJECT NO: 6190-15-73	HWY: STH 116	COUNTY: WINNEBAGO	WATER MAIN: W MAIN ST	SHEET 70	E

2

MATCH LINE STA 109+00

MATCH LINE STA 115+00

N

N 7TH ST

73+00

STH 116 (W MAIN ST)

110+00 111+00 112+00 113+00 114+00

(1) CURBSTOP
STA 112+18.1, 32.7' LT
68 LF 1" WATER SERVICE

(1) CURBSTOP
STA 114+59.4, 32.7' LT
68 LF 1" WATER SERVICE

(1) CURBSTOP
STA 114+31.7, 32.7' LT
68 LF 1" WATER SERVICE

11 LF 12" WATER MAIN

REMOVE VALVE

(1) 12" 11.25° BEND
STA 110+29.6, 26.0' RT

(1) 12" 11.25° BEND
STA 110+40.3, 28.1' RT

92 LF 12" WATER MAIN

35 LF 6" WATER MAIN

(1) 6" 45° BEND
STA 111+34.2, 63.1' RT
CONNECT TO EXIST MAIN
VERIFY H AND V LOCATION

62 LF 12" WATER MAIN

(1) 12"X6" TEE
STA 111+32.7, 28.1' RT
(1) 12" VALVE AND BOX
(1) 6" VALVE AND BOX

(1) 12"X6" TEE
STA 111+95.0, 28.1' RT

14 LF 6" WATER MAIN

(1) HYDRANT
STA 111+95.0, 42.0' RT
FIN GND ELEV: 750.85
(1) 6" VALVE AND BOX

REMOVE VALVE AND HYDRANT

412 LF 12" WATER MAIN

(1) CURBSTOP
STA 114+39.0, 38.7' RT
12 LF 1" WATER SERVICE

(1) CURBSTOP
STA 114+39.9, 38.7' RT
12 LF 1" WATER SERVICE

SS55.1

SS55.2

EXISTING GRADE ALONG MAIN

PROPOSED GRADE ALONG MAIN

7' MIN DEPTH

7' MIN DEPTH

PROPOSED SUBGRADE ALONG MAIN

EX. 6" SANITARY SEWER

12" STORM SEWER

6" STORM SEWER

42" STORM SEWER

18" MIN

STA: 109+37.7
T/P: 742.4

STA: 110+07.9
T/P: 741.7

12" 11.25° BEND
STA: 110+29.6
T/P: 742.0

12" 11.25° BEND
STA: 110+40.5
T/P: 742.1

STA: 111+65.1
T/P: 743.6

12"X6" TEE
STA: 111+32.7
T/P: 743.2

12"x6" TEE
STA: 111+95.0
T/P: 743.7

MARBLE PARK WATER MAIN

12" WATER MAIN

STA: 113+76.9
T/P: 744.1

750

745

740

735

PROJECT NO: 6190-15-73	HWY: STH 116	COUNTY: WINNEBAGO	WATER MAIN: W MAIN ST	SHEET 71	E

FILE NAME : F:\TR\JOBS\E2073A13\CIVIL 3D 2014\SHEETSPLAN\73 SHEETS\61901573-023050-UP.DWG
LAYOUT NAME - 61901573-023051-UP

PLOT DATE : 9/22/2017 5:45 PM PLOT BY : ANDREW WESTBROOK PLOT NAME : PLOT SCALE : **********

WISDOT/CADDS SHEET 41

2

N

N 6TH ST

S 6TH ST

N 5TH ST

S 5TH ST

STH 116 (W MAIN ST)

MATCH LINE STA 115+00

MATCH LINE STA 121+00

63+00

62+00

53+00

52+00

116+00

117+00

118+00

119+00

120+00

REMOVE VALVE

REMOVE VALVE

(1) 12"X12" CROSS
STA 116+07.4, 28.1' RT
(2) 12" VALVE AND BOX

(1) 12" 45° BEND
STA 116+41.8, 11.0' RT

24 LF 12" WATER MAIN

(1) 12" 45° BEND
STA 116+24.6, 28.1' RT

17 LF 12" WATER MAIN

(1) CURBSTOP
STA 117+28.0, 32.8' RT
29 LF 1" WATER SERVICE

429 LF 12" WATER MAIN

(1) CURBSTOP
STA 118+52.9, 32.7' LT
51 LF 1" WATER SERVICE

(1) CURBSTOP
STA 118+43.9, 32.7' RT
29 LF 1" WATER SERVICE

(1) 12"X8" CROSS
STA 120+71.2, 11.0' RT
(2) 12" VALVE AND BOX

W12" W8"

755

750

745

740

EXISTING GRADE ALONG MAIN

PROPOSED GRADE ALONG MAIN

PROPOSED SUBGRADE ALONG MAIN

7' MIN DEPTH

18" STORM SEWER

18" STORM SEWER

12" SANITARY SEWER

18"MIN

(1) 12" 22.5° BEND
STA: 115+92.6
T/P: 745.3

(1) 12" 22.5° BEND
STA: 115+97.3
T/P: 743.4

6TH ST WATER MAIN

12"x12" CROSS
STA: 116+07.6
T/P: 743.4

(1) 12" 22.5° BEND
STA: 116+35.5
T/P: 745.7

(1) 12" 22.5° BEND
STA: 116+30.0
T/P: 743.4

12" 45° BEND
STA: 116+24.6
T/P: 743.4

12" 45° BEND
STA: 116+41.8
T/P: 745.8

12" WATER MAIN

12" STORM SEWER

STA: 119+53.7
T/P: 747.6

(1) 22.5° BEND
STA: 120+97.3
T/P: 750.6

(1) 22.5° BEND
STA: 120+92.0
T/P: 748.5

8" SANITARY SEWER

12"x8" CROSS
STA: 120+71.2
T/P: 748.4

18"MIN

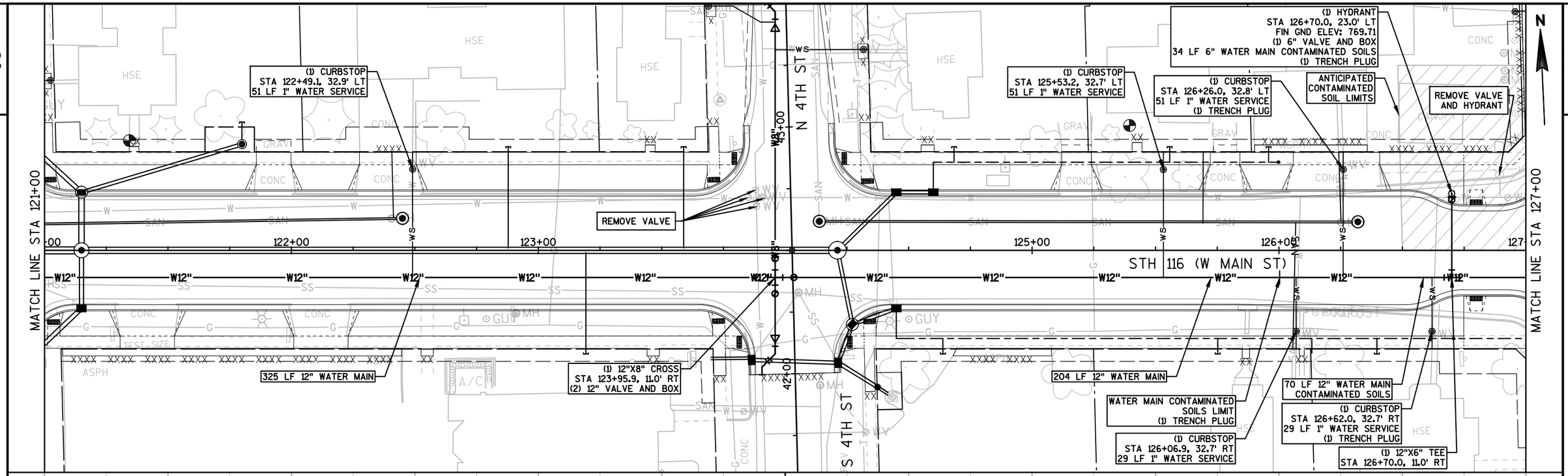
5TH ST WATER MAIN

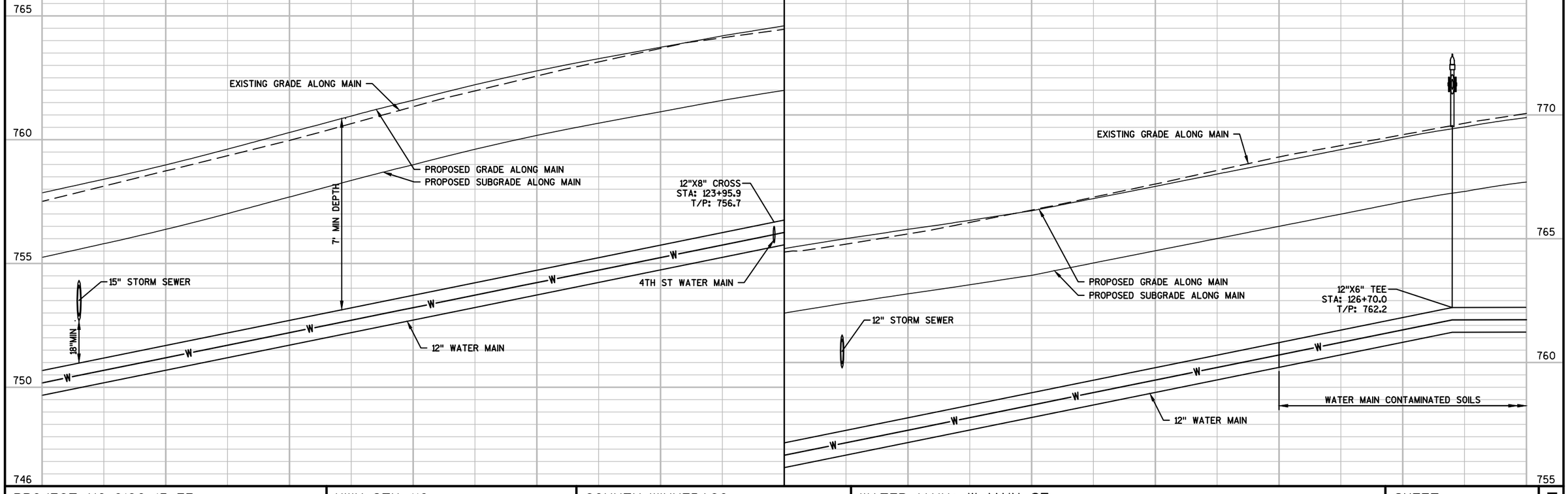
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FILE NAME : F:\TR\JOBS\E2073A13\CIVIL 3D 2014\SHEETSPLAN\73 SHEETS\61901573-023050-UP.DWG
LAYOUT NAME - 61901573-023052-UP

PLOT DATE : 9/22/2017 5:45 PM PLOT BY : ANDREW WESTBROOK PLOT NAME : PLOT SCALE : **********

WISDOT/CADDS SHEET 41





PROJECT NO: 6190-15-73	HWY: STH 116	COUNTY: WINNEBAGO	WATER MAIN: W MAIN ST	SHEET 73	E

2

MATCH LINE STA 127+00

N 3RD ST

3RD ST

33+00

32+00

W8"

74 LF 12" WATER MAIN CONTAMINATED SOILS

ANTICIPATED CONTAMINTED SOIL LIMITS

STH 116 (W MAIN ST)

N 2ND ST

S 2ND ST

128+00

129+00

130+00

131+00

132+00

133+00

WATER MAIN CONTAMINTED SOILS LIMIT
(1) TRENCH PLUG

STA 132+55.0, 11.0' RT
(1) 12" VALVE AND BOX

LIMIT OF WATERMAIN INSTALLED UNDER 6190-15-71

-71 -72

W12"

156 LF 12" WATER MAIN CONTAMINATED SOILS

360 LF 12" WATER MAIN

(1) 12"X8" CROSS
STA 127+43.7, 11.0' RT
(2) 12" VALVE AND BOX

N

770

765

760

755

752

EXISTING GRADE ALONG MAIN

PROPOSED GRADE ALONG MAIN

PROPOSED SUBGRADE ALONG MAIN

7' MIN DEPTH

12"X8" CROSS
STA: 127+43.7
T/P: 762.2

STA: 128+02.1
T/P: 762.2

STA: 129+75.6
T/P: 761.0

12" STORM SEWER

3RD ST
WATER MAIN

12" WATER MAIN

WATER MAIN CONTAMINATED SOILS

765

760

755

750

749

EXISTING GRADE ALONG MAIN

PROPOSED GRADE ALONG MAIN

PROPOSED SUBGRADE ALONG MAIN

STA: 131+01.3
T/P: 758.4

12" WATER MAIN

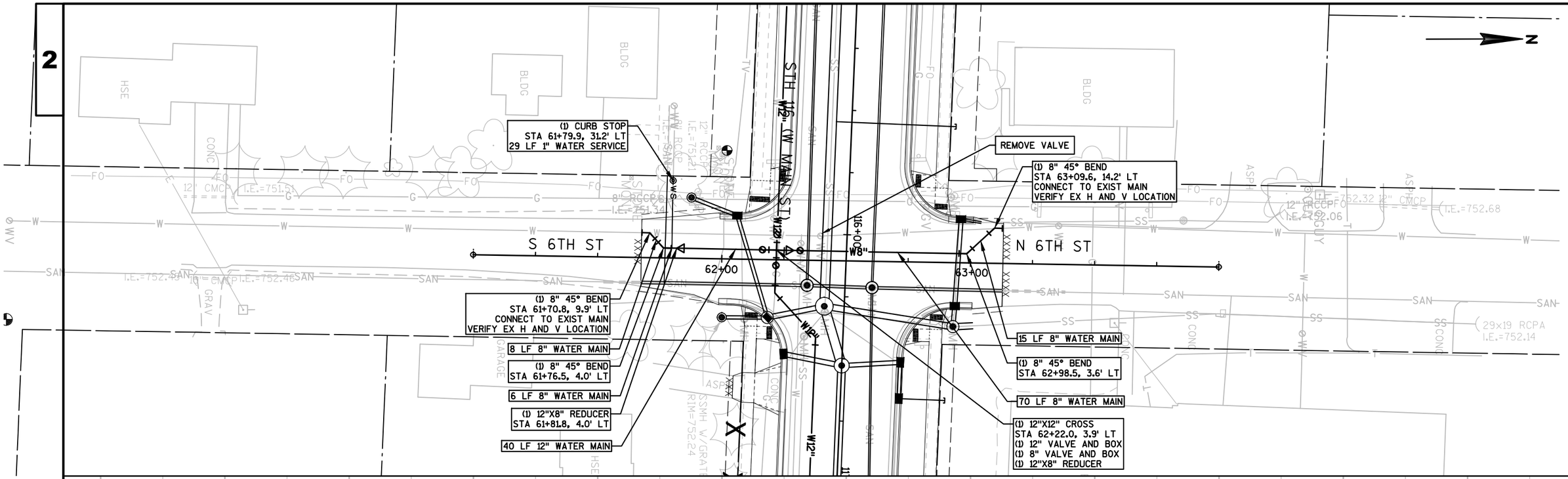
LIMIT OF WATERMAIN INSTALLED UNDER 6190-15-71

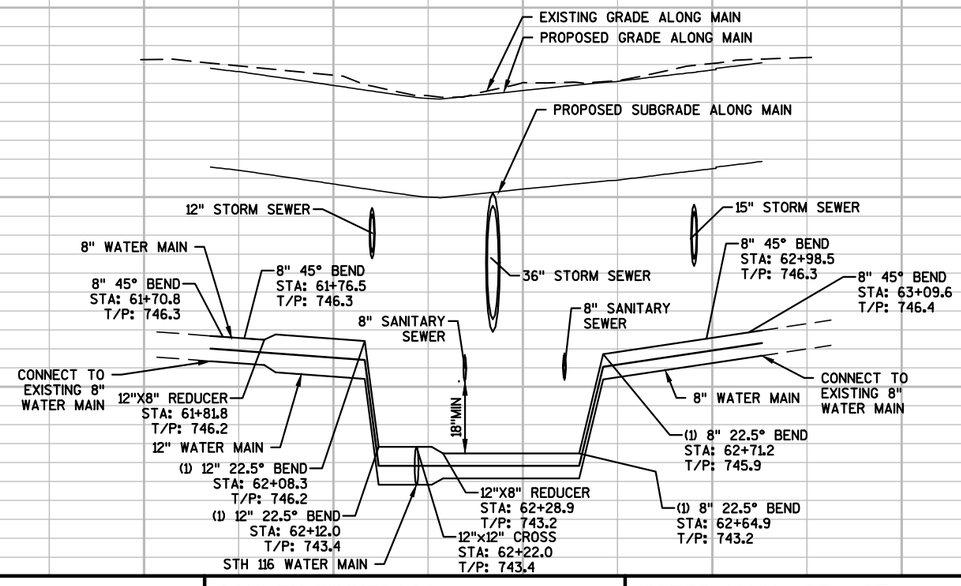
PROJECT NO: 6190-15-73	HWY: STH 116	COUNTY: WINNEBAGO	WATER MAIN: W MAIN ST	SHEET 74	E

FILE NAME : F:\TR\JOBS\E2073A13\CIVIL 3D 2014\SHEETSPLAN\73 SHEETS\61901573-023050-UP.DWG
LAYOUT NAME - 61901573-023054-UP

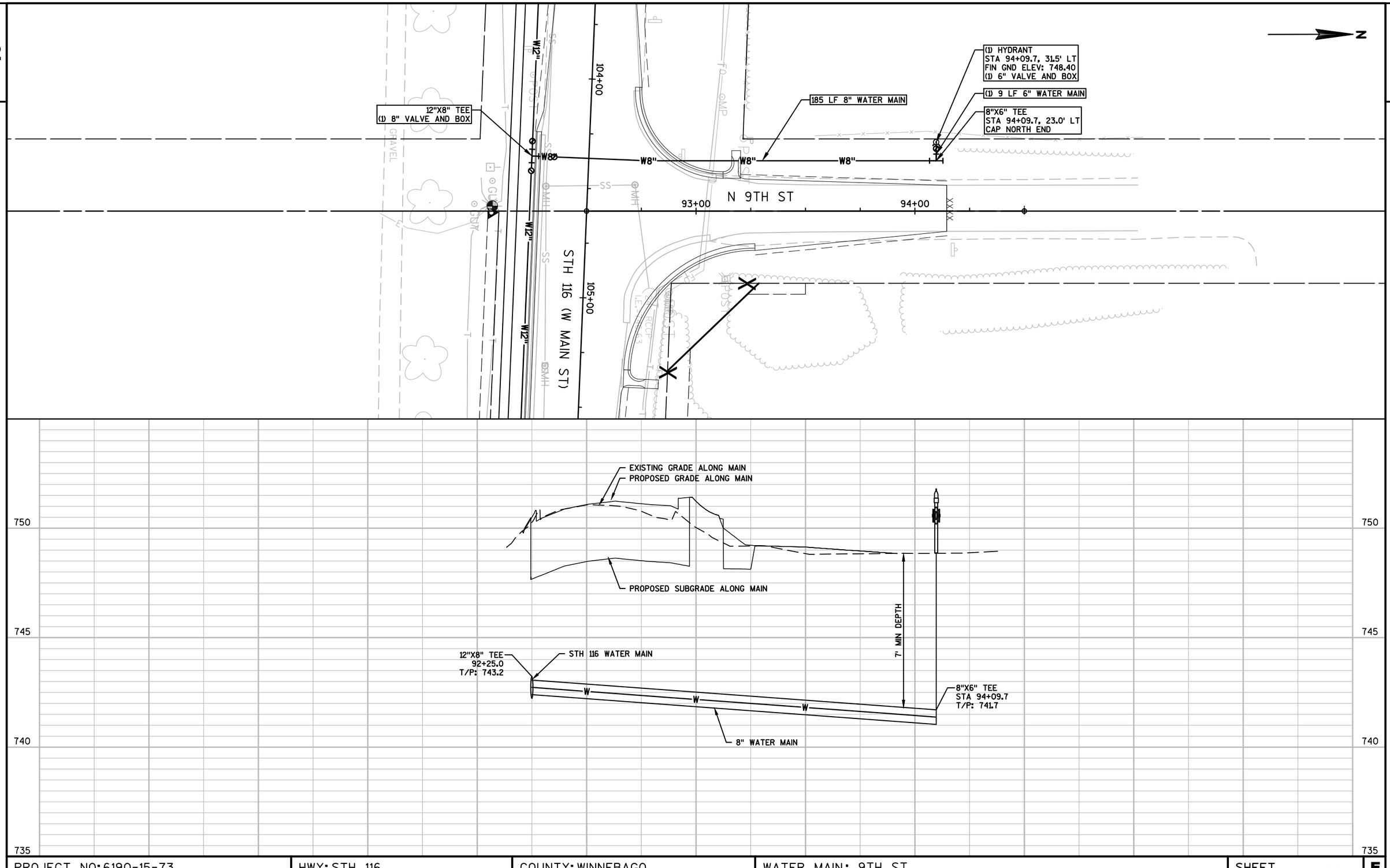
PLOT DATE : 9/22/2017 5:45 PM PLOT BY : ANDREW WESTBROOK PLOT NAME : PLOT SCALE : **********

WISDOT/CADDS SHEET 41

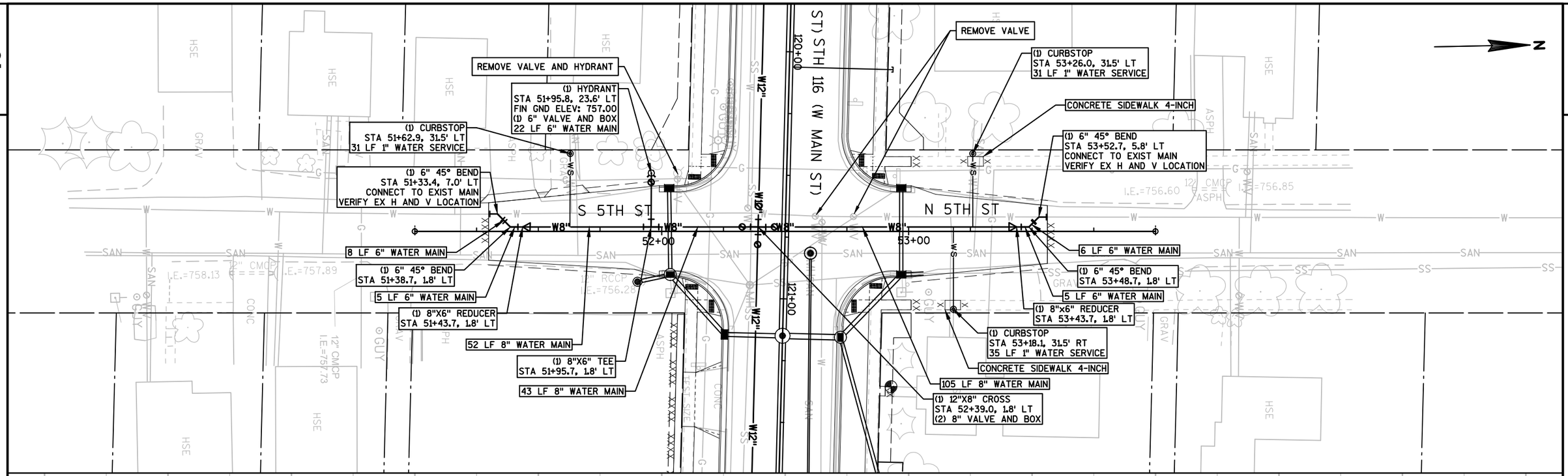


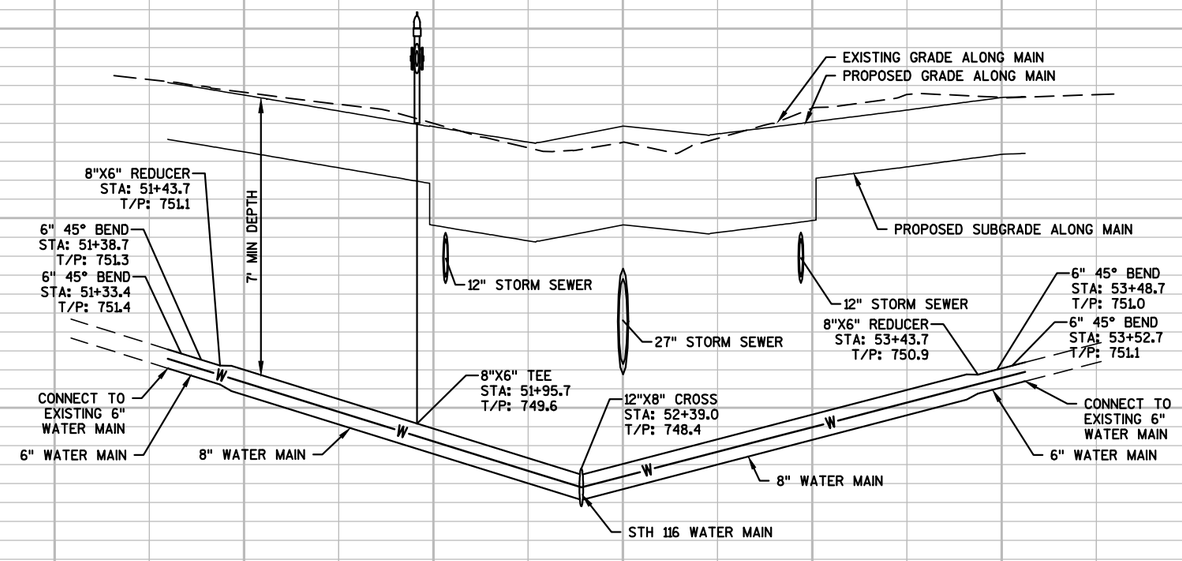


PROJECT NO: 6190-15-73	HWY: STH 116	COUNTY: WINNEBAGO	WATER MAIN: 6TH ST	SHEET 75	E



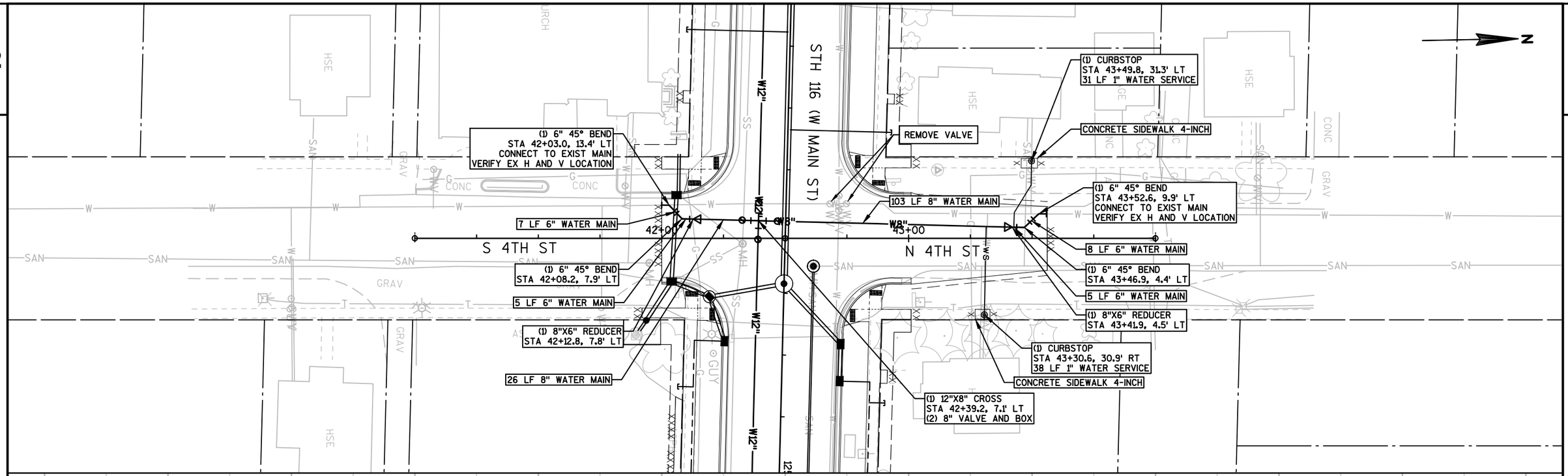
PROJECT NO: 6190-15-73	HWY: STH 116	COUNTY: WINNEBAGO	WATER MAIN: 9TH ST	SHEET 76	E

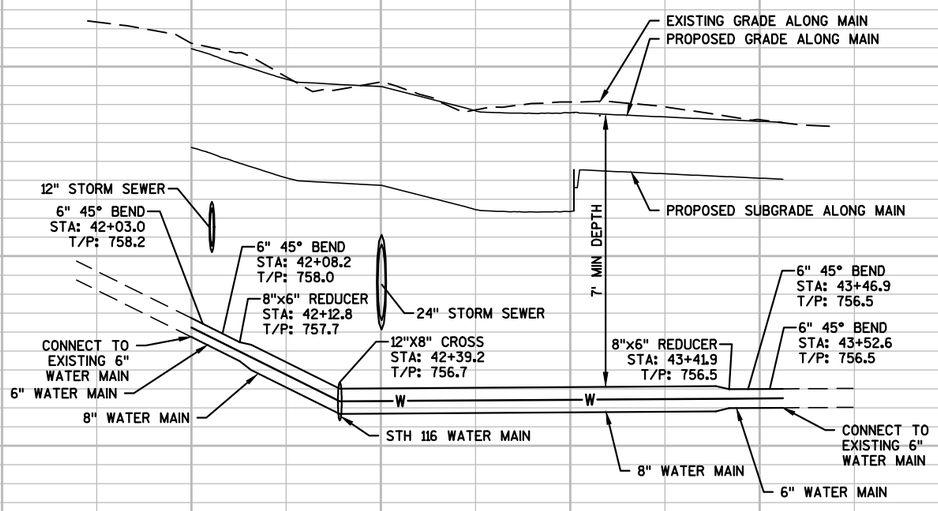




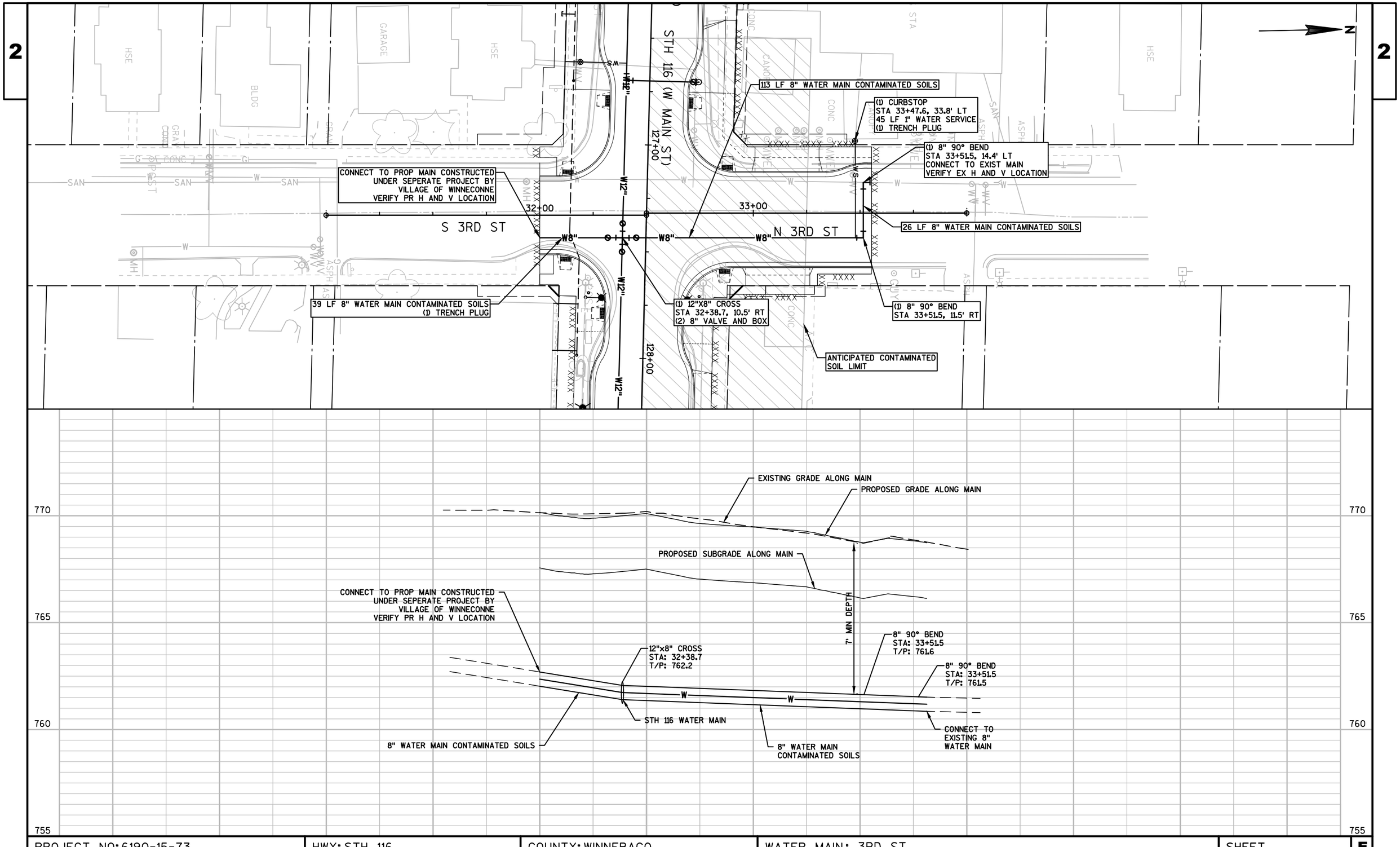
PROJECT NO: 6190-15-73	HWY: STH 116	COUNTY: WINNEBAGO	WATER MAIN: 5TH ST	SHEET 77 E

FILE NAME : F:\TR\JOBS\E2073A13\CIVIL 3D 2014\SHEETSPLAN\73 SHEETS\61901573-023050-UP.DWG
LAYOUT NAME - 61901573-023057-UP
PLOT DATE : 9/22/2017 5:46 PM PLOT BY : ANDREW WESTBROOK PLOT NAME : PLOT SCALE : **********
WISDOT/CADDS SHEET 41





PROJECT NO: 6190-15-73	HWY: STH 116	COUNTY: WINNEBAGO	WATER MAIN: 4TH ST	SHEET 78 E



PROJECT NO: 6190-15-73	HWY: STH 116	COUNTY: WINNEBAGO	WATER MAIN: 3RD ST	SHEET 79 E

N 2ND AVE

LIMIT OF WATERMAIN INSTALLED UNDER 6190-15-71

(1) CURBSTOP
STA 149+63.5, 27.5' LT
23 LF 1" WATER SERVICE

170 LF 12" WATER MAIN

STA 149+68.1, 12.0' LT
(1) 12" VALVE AND BOX

(1) CURBSTOP
STA 150+64.0, 24.9' RT
44 LF 1" WATER SERVICE

47 LF 12" WATER MAIN

REMOVE VALVE AND HYDRANT

(1) HYDRANT
STA 151+30.0, 27.0' LT
FIN GND ELEV: 766.72
(1) 6" VALVE AND BOX
15 LF 6" WATER MAIN

(1) CURBSTOP
STA 151+08.7, 27.0' LT
23 LF 1" WATER SERVICE

(1) 12"X6" TEE
STA 151+30.0, -12.0' LT

(1) CURBSTOP
STA 151+23.3, 27.0' RT
47 LF 1" WATER SERVICE

N 3RD AVE

S 3RD AVE

REMOVE VALVE

(1) 12"X6" TEE
STA 151+92.2, 12.0' LT
(1) 12" VALVE AND BOX

(1) 12"X8" TEE
STA 151+77.0, 12.0' LT
(1) 12" VALVE AND BOX

15 LF 12" WATER MAIN

(1) 12" 11.25° BEND
STA 153+47.7, 16.0' LT

21 LF 12" WATER MAIN

(1) 12" 11.25° BEND
STA 153+27.6, 12.0' LT

135 LF 12" WATER MAIN

STH 116 (E MAIN ST)

N 4TH AVE

REMOVE VALVE

(1) 12"X8" CROSS
STA 154+80.8, 16.0' LT
(2) 12" VALVE AND BOX

(1) CURBSTOP
STA 154+41.5, 27.0' LT
18 LF 1" WATER SERVICE

133 LF 12" WATER MAIN

REMOVE VALVE

MATCH LINE STA 155+00

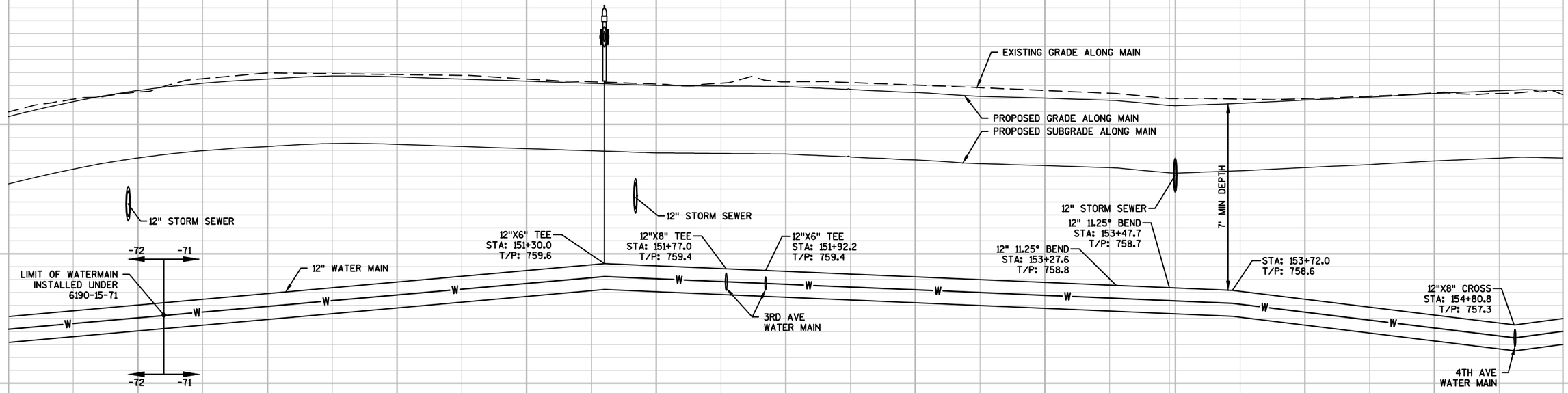
149+00 150+00 151+00 152+00 153+00 154+00 155

36+00 37+00 46+00 47+00

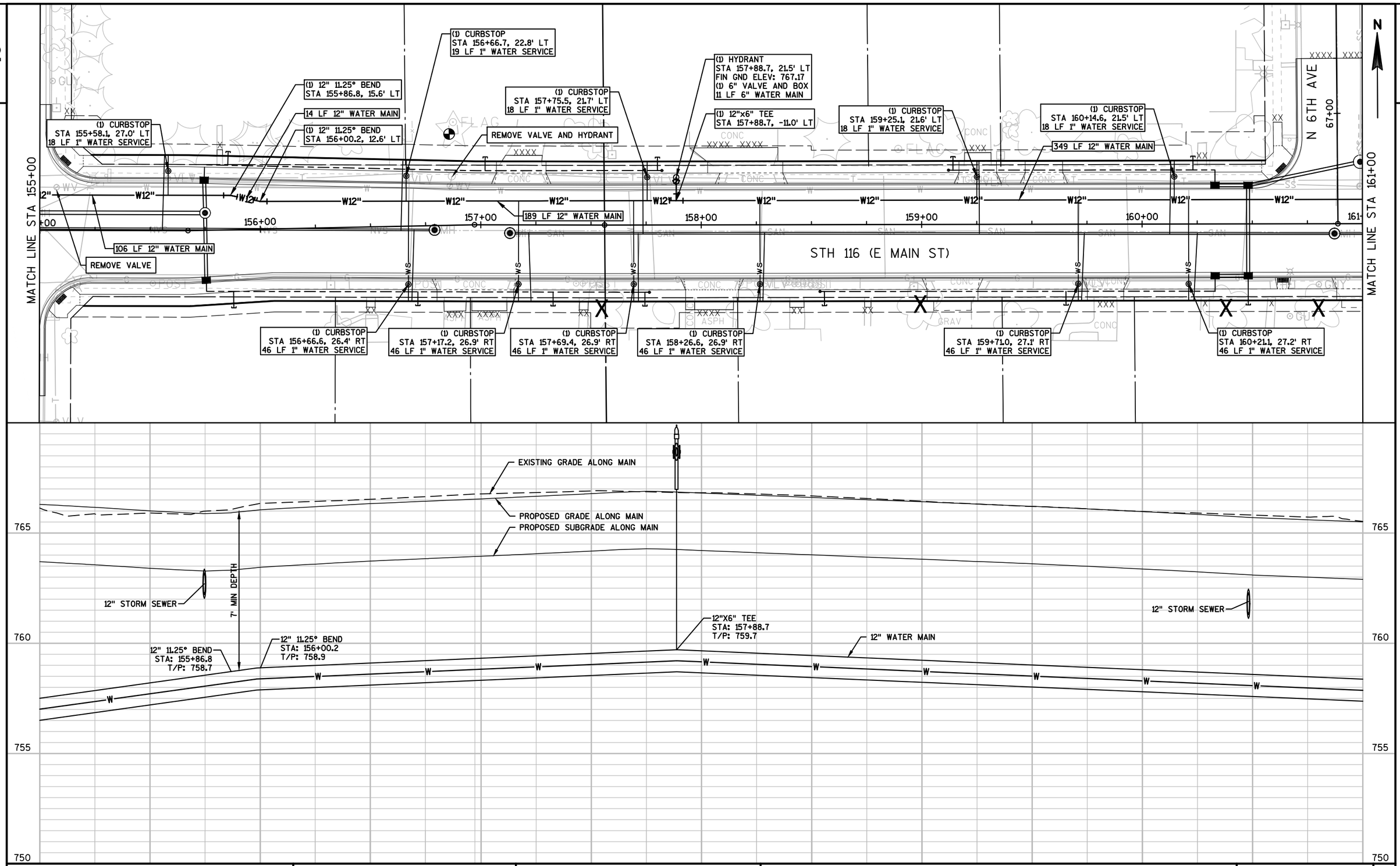
W12" W8"

-72 -71

N



PROJECT NO: 6190-15-73	HWY: STH 116	COUNTY: WINNEBAGO	WATER MAIN: E MAIN ST	SHEET 80	E



PROJECT NO: 6190-15-73	HWY: STH 116	COUNTY: WINNEBAGO	WATER MAIN: E MAIN ST	SHEET 81	E

2

REMOVE VALVE

(1) HYDRANT
STA 161+37.9, 21.5' LT
FIN GND ELEV: 765.62
(1) 6" VALVE AND BOX
11 LF 6" WATER MAIN

(1) 12"x6" TEE
STA 161+37.9, -11.0' LT

(1) CURBSTOP
STA 161+59.0, 21.5' LT
18 LF 1" WATER SERVICE

295 LF 12" WATER MAIN

(1) CURBSTOP
STA 162+83.6, 23.9' LT
19 LF 1" WATER SERVICE

(1) CURBSTOP
STA 163+18.5, 25.5' LT
20 LF 1" WATER SERVICE

(1) CURBSTOP
STA 163+83.6, 27.5' LT
21 LF 1" WATER SERVICE

32 LF 12" WATER MAIN

(1) 12"X12" TEE
STA 164+33.6, 14.0' LT
(1) 12" VALVE AND BOX

(1) 12"X8" TEE
STA 164+65.3, 14.0' LT
(1) 12" VALVE AND BOX

REMOVE VALVE

35 LF 12" WATER MAIN

(1) HYDRANT
STA 165+00.0, 27.5' LT
FIN GND ELEV: 765.96
(1) 6" VALVE AND BOX
14 LF 6" WATER MAIN

80 LF 12" WATER MAIN

REMOVE VALVE AND HYDRANT

MATCH LINE STA 161+00

MATCH LINE STA 167+00

N 7TH AVE

S 7TH AVE

STH 116 (E MAIN ST)

(1) CURBSTOP
STA 161+91.9, 27.4' RT
46 LF 1" WATER SERVICE

(1) CURBSTOP
STA 163+19.3, 25.5' RT
46 LF 1" WATER SERVICE

(1) CURBSTOP
STA 165+35.5, 27.5' RT
48 LF 1" WATER SERVICE

(1) 12"x6" TEE
STA 165+00.0, -14.0' LT

(1) 12" 22.5° BEND
STA 165+81.4, 7.0' LT

(1) CURBSTOP
STA 166+56.9, 27.5' RT
47 LF 1" WATER SERVICE

770
765
760
755
752

EXISTING GRADE ALONG MAIN
PROPOSED GRADE ALONG MAIN
PROPOSED SUBGRADE ALONG MAIN
7' MIN DEPTH

12"X6" TEE
STA: 161+37.9
T/P: 758.2

12" WATER MAIN

12" STORM SEWER

12"X12" TEE
STA: 164+33.6
T/P: 757.0

12"X8" TEE
STA: 164+65.3
T/P: 756.9

12"X6" TEE
STA: 165+00.0
T/P: 756.7

STA: 165+22.6
T/P: 756.6

12" 22.5° BEND
STA: 165+81.4
T/P: 756.6

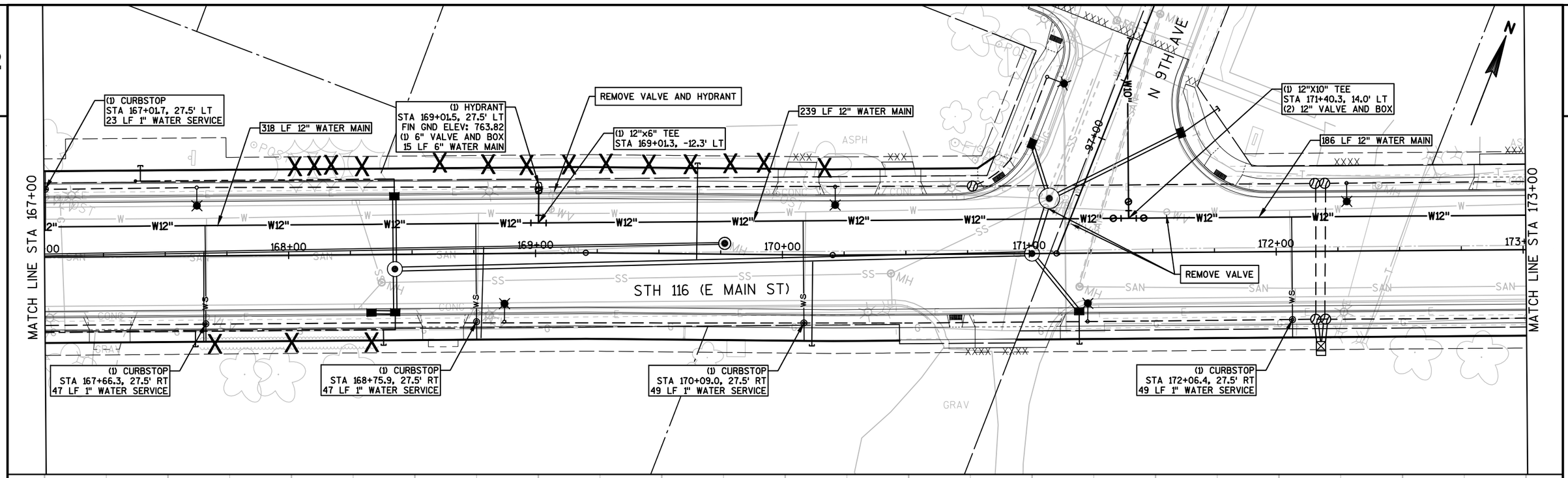
S 7TH AVE
WATER MAIN

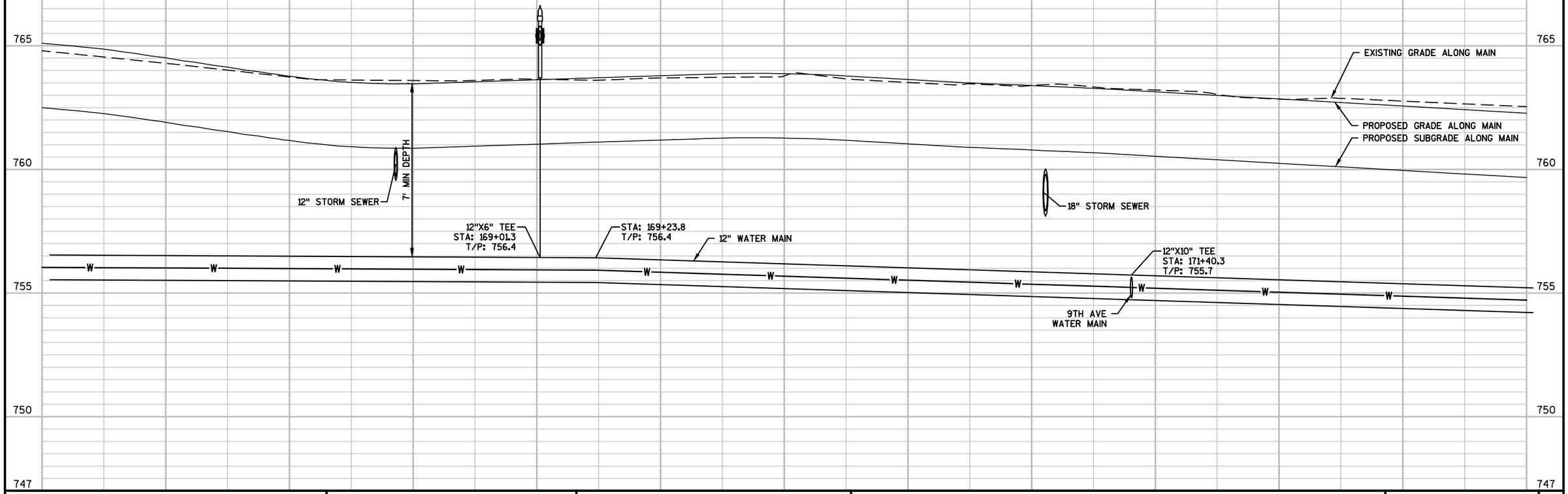
N 7TH AVE
WATER MAIN

8" SANITARY SEWER

PROJECT NO: 6190-15-73	HWY: STH 116	COUNTY: WINNEBAGO	WATER MAIN: E MAIN ST	SHEET 82	E

FILE NAME : F:\TR\JOBS\E2073A13\CIVIL 3D 2014\SHEETSPLAN\73 SHEETS\61901573-023050-UP.DWG
LAYOUT NAME - 61901573-023072-UP
PLOT DATE : 9/22/2017 5:47 PM PLOT BY : ANDREW WESTBROOK PLOT NAME : PLOT SCALE : **********
WISDOT/CADDS SHEET 41





PROJECT NO: 6190-15-73	HWY: STH 116	COUNTY: WINNEBAGO	WATER MAIN: E MAIN ST	SHEET 83	E

FILE NAME : F:\TR\JOBS\E2073A13\CIVIL 3D 2014\SHEETSPLAN\73 SHEETS\61901573-023050-UP.DWG
LAYOUT NAME - 61901573-023073-UP
PLOT DATE : 9/22/2017 5:48 PM PLOT BY : ANDREW WESTBROOK PLOT NAME : PLOT SCALE : **********
WISDOT/CADDS SHEET 41

2

MATCH LINE STA 173+00

MATCH LINE STA 179+00

REMOVE VALVE AND HYDRANT

(1) HYDRANT
STA 173+26.1, 27.5' LT
FIN GND ELEV: 762.46
(1) 6" VALVE AND BOX
14 LF 6" WATER MAIN

(1) 12"x6" TEE
STA 173+26.1, -14.0' LT

REMOVE VALVE AND HYDRANT

(1) HYDRANT
STA 177+35.1, 27.5' LT
FIN GND ELEV: 759.30
(1) 6" VALVE AND BOX
14 LF 6" WATER MAIN

(1) 12"x6" TEE
STA 177+35.1, -14.0' LT

409 LF 12" WATER MAIN

294 LF 12" WATER MAIN

STH 116 (E MAIN ST)

(1) CURBSTOP
STA 175+39.3, 27.5' RT
49 LF 1" WATER SERVICE

(1) CURBSTOP
STA 178+39.8, 27.5' RT
45 LF 1" WATER SERVICE

EXISTING GRADE ALONG MAIN

PROPOSED GRADE ALONG MAIN

PROPOSED SUBGRADE ALONG MAIN

12"x6" TEE
STA: 173+26.1
T/P: 755.1

STA: 173+48.8
T/P: 755.1

12" STORM SEWER

12" WATER MAIN

7' MIN DEPTH

15" STORM SEWER

STA: 177+01.2
T/P: 751.8

12"x6" TEE
STA: 177+35.1
T/P: 751.6

760

755

750

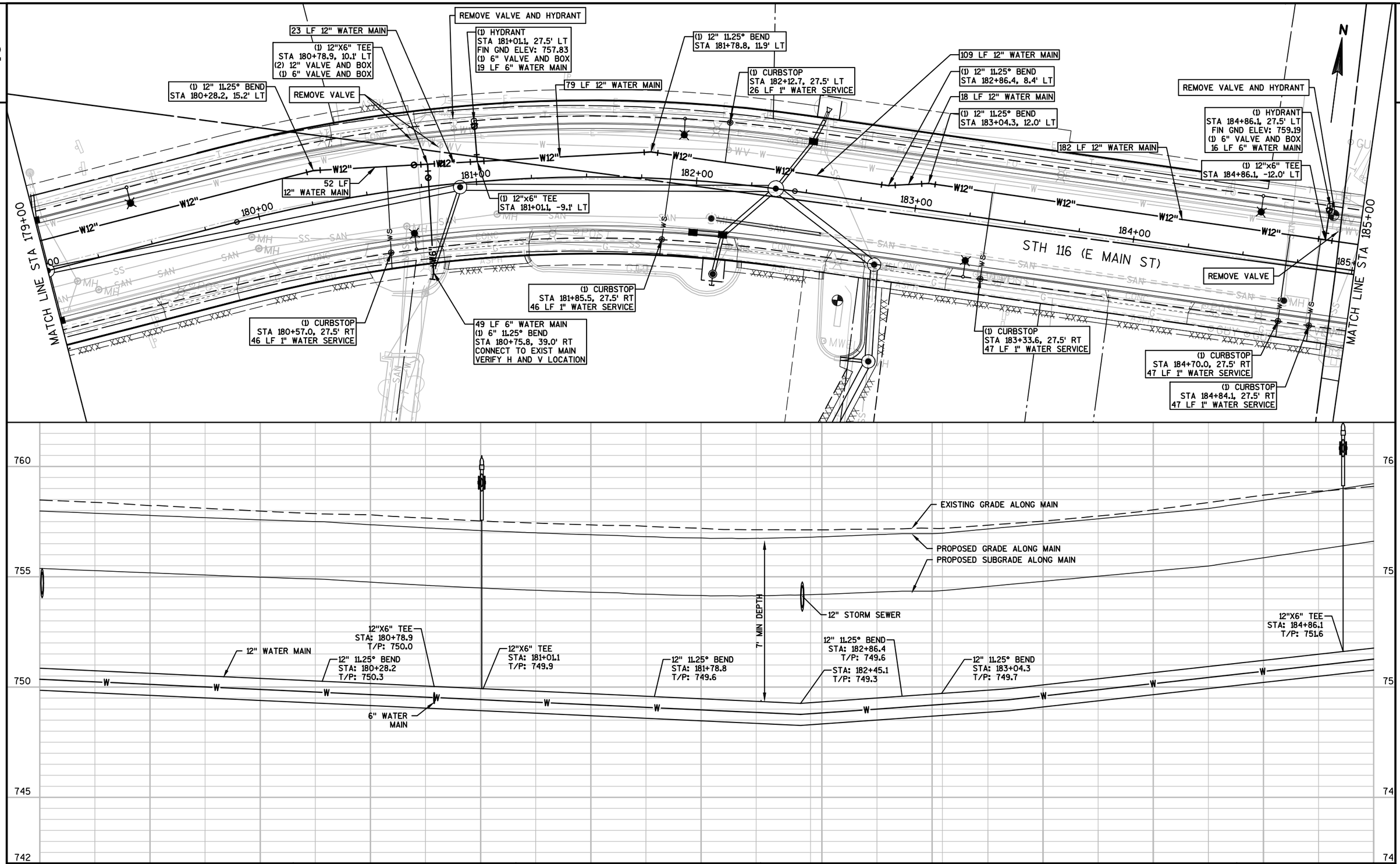
745

PROJECT NO: 6190-15-73	HWY: STH 116	COUNTY: WINNEBAGO	WATER MAIN: E MAIN ST	SHEET 84	E

FILE NAME : F:\TR\JOBS\E2073A13\CIVIL 3D 2014\SHEETSPLAN\73 SHEETS\61901573-023050-UP.DWG
LAYOUT NAME - 61901573-023074-UP

PLOT DATE : 9/22/2017 5:48 PM PLOT BY : ANDREW WESTBROOK PLOT NAME : PLOT SCALE : **********

WISDOT/CADDS SHEET 41



PROJECT NO: 6190-15-73	HWY: STH 116	COUNTY: WINNEBAGO	WATER MAIN: E MAIN ST	SHEET 85	E

FILE NAME : F:\TR\JOBS\E2073A13\CIVIL 3D 2014\SHEETSPLAN\73 SHEETS\61901573-023050-UP.DWG
LAYOUT NAME - 61901573-023075-UP
PLOT DATE : 9/22/2017 5:48 PM PLOT BY : ANDREW WESTBROOK PLOT NAME : PLOT SCALE : **********
WISDOT/CADDS SHEET 41

2

MATCH LINE STA 185+00

60 LF 12" WATER MAIN

REMOVE VALVE

246 LF 12" WATER MAIN

(1) HYDRANT
STA 187+92.1, 25.1' LT
FIN GND ELEV: ???
(1) 6" VALVE AND BOX
13 LF 6" WATER MAIN

(1) 12"x6" TEE
STA 187+92.1, -12.4' LT
CAP EAST END

N 13TH AVE

W12" W12" W12" W12" W12" W12"

W8

186+00 187+00 188+00 189+00 190+00 191+00

STH 116 (E MAIN ST)

RESTORE WITH STH 116 TYPICAL PAVEMENT SECTION

(1) 12"X8" TEE
STA 185+46.4, 12.0' LT
(2) 12" VALVE AND BOX

(1) CURBSTOP
STA 186+77.6, 38.9' RT
53 LF 1" WATER SERVICE

(1) CURBSTOP
STA 187+84.0, 41.4' RT
57 LF 1" WATER SERVICE

REMOVING CURB AND GUTTER AND CONCRETE CURB AND GUTTER 30-INCH TYPE D

WS

N

2

765

760

755

750

EXISTING GRADE ALONG MAIN

PROPOSED GRADE ALONG MAIN

PROPOSED SUBGRADE ALONG MAIN

7' MIN DEPTH

15" STORM SEWER

12" STORM SEWER

18" MIN

12"X6" TEE
STA: 187+92.1
T/P: 755.3

STA: 186+16.8
T/P: 753.6

12" WATER MAIN

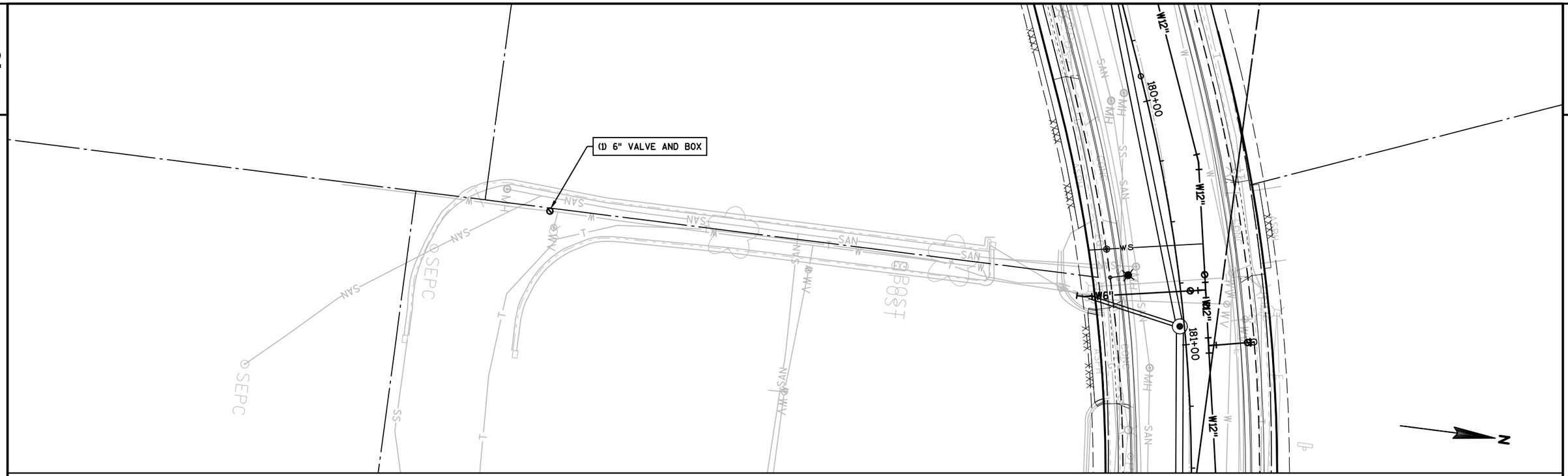
12"X8" TEE
STA: 185+46.4
T/P: 752.4

W

STA: 185+25.4
T/P: 752.0

13TH AVE
WATER MAIN

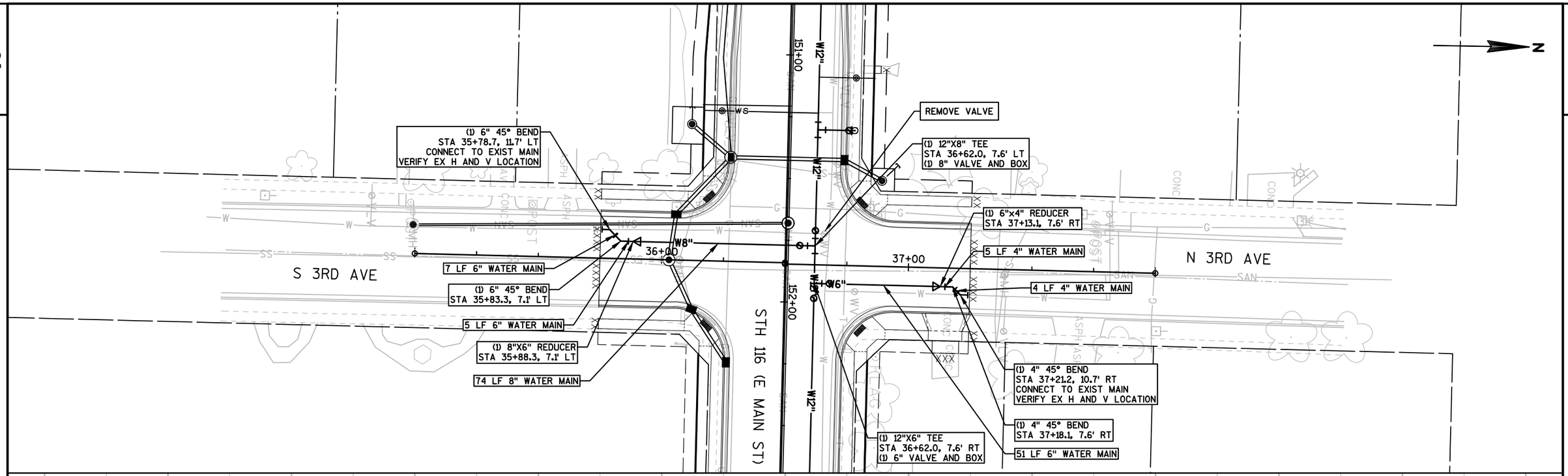
PROJECT NO: 6190-15-73	HWY: STH 116	COUNTY: WINNEBAGO	WATER MAIN: E MAIN ST	SHEET 86	E

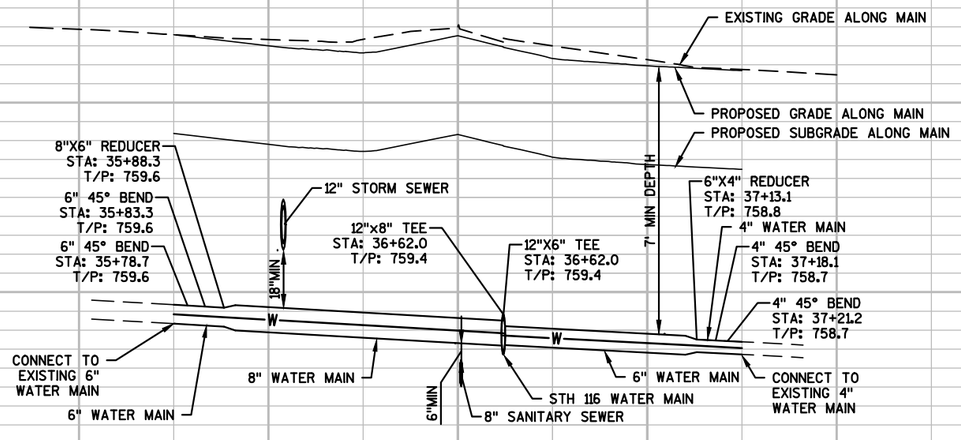


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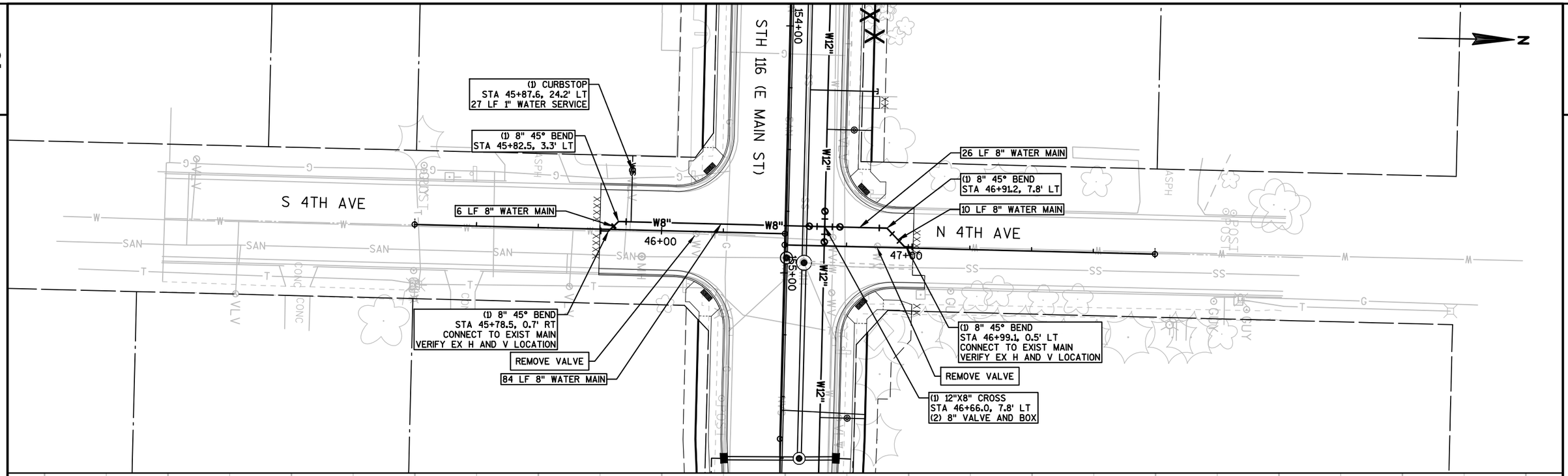
PROJECT NO: 6190-15-73	HWY: STH 116	COUNTY: WINNEBAGO	WATER MAIN: KWIK TRIP	SHEET 87	E

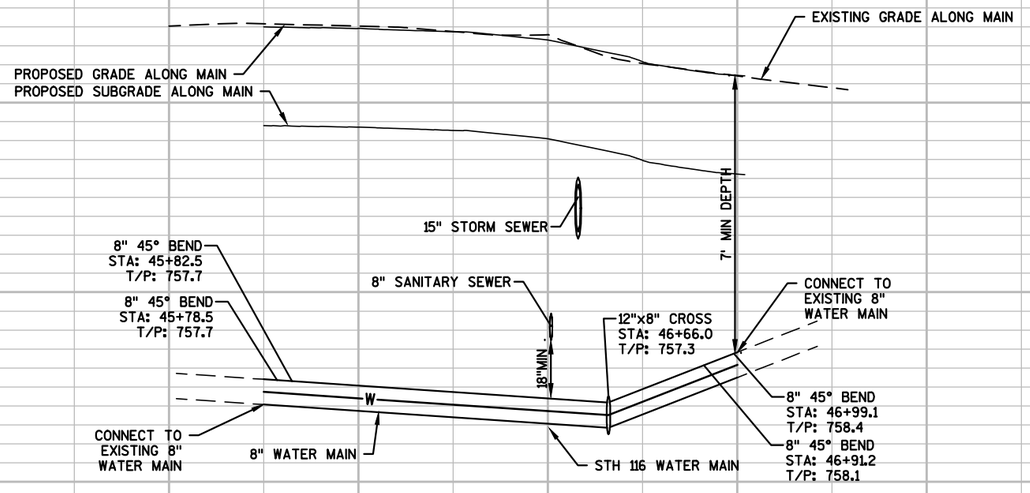
FILE NAME : F:\TR\JOBS\E2073A13\CIVIL 3D 2014\SHEETSPLAN\73 SHEETS\61901573-023050-UP.DWG
LAYOUT NAME - 61901573-023077-UP
PLOT DATE : 9/22/2017 5:48 PM PLOT BY : ANDREW WESTBROOK PLOT NAME : PLOT SCALE : **********
WISDOT/CADDS SHEET 41



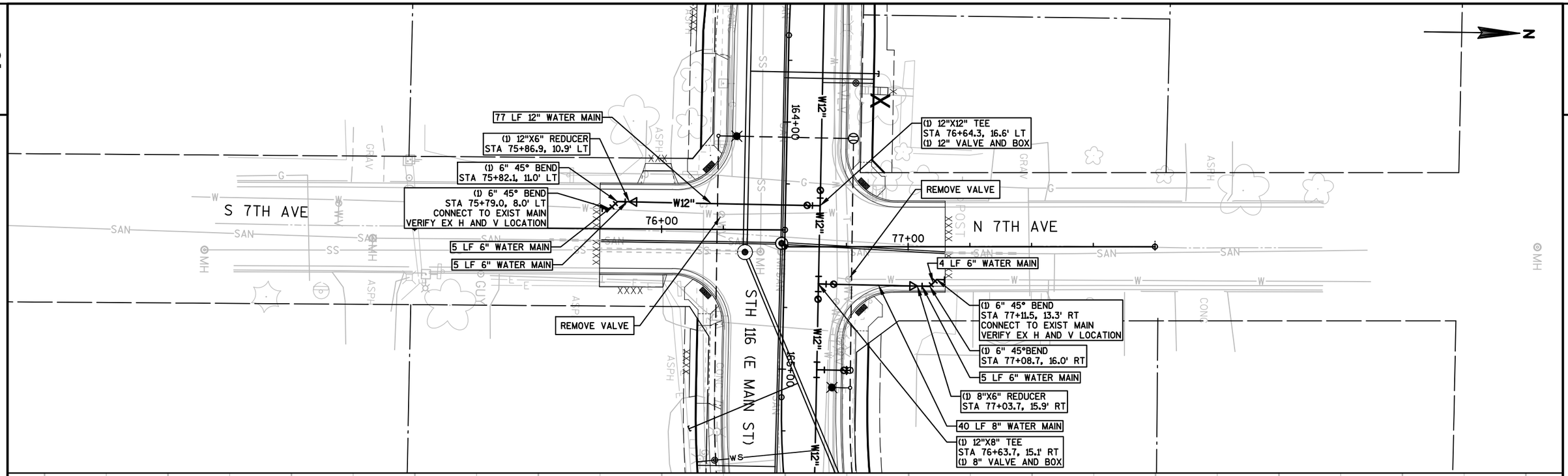


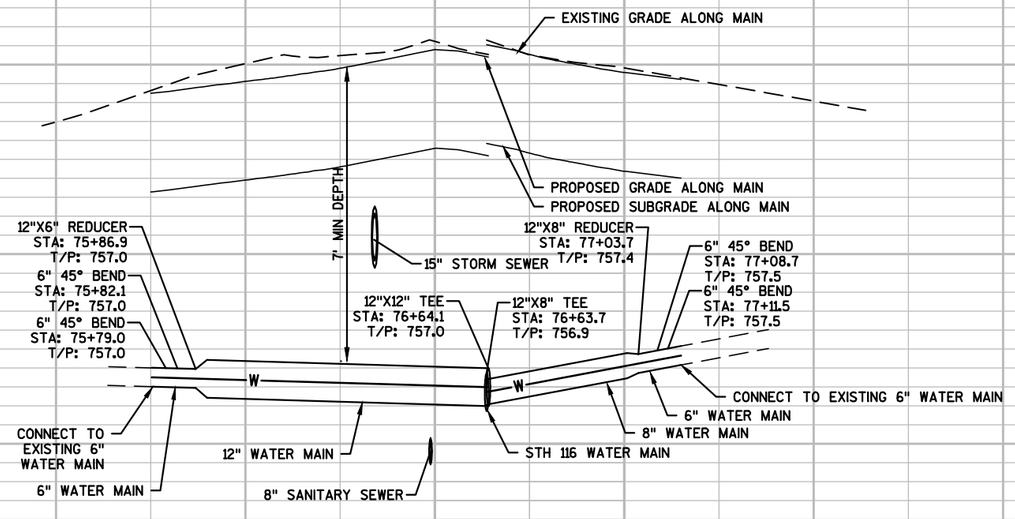
PROJECT NO: 6190-15-73	HWY: STH 116	COUNTY: WINNEBAGO	WATER MAIN: 3RD AVE	SHEET 88	E



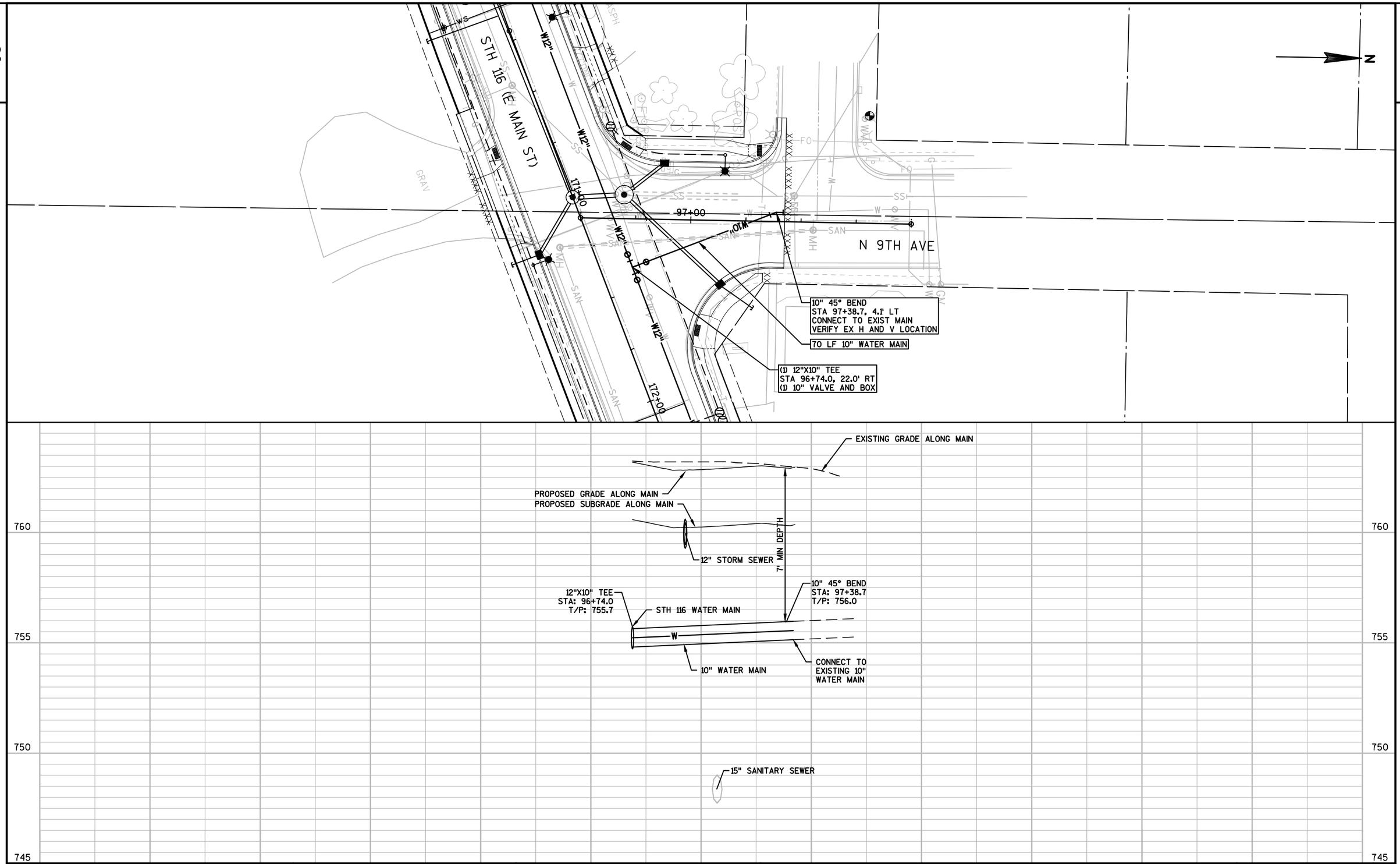


PROJECT NO: 6190-15-73	HWY: STH 116	COUNTY: WINNEBAGO	WATER MAIN: 4TH AVE	SHEET 89 E

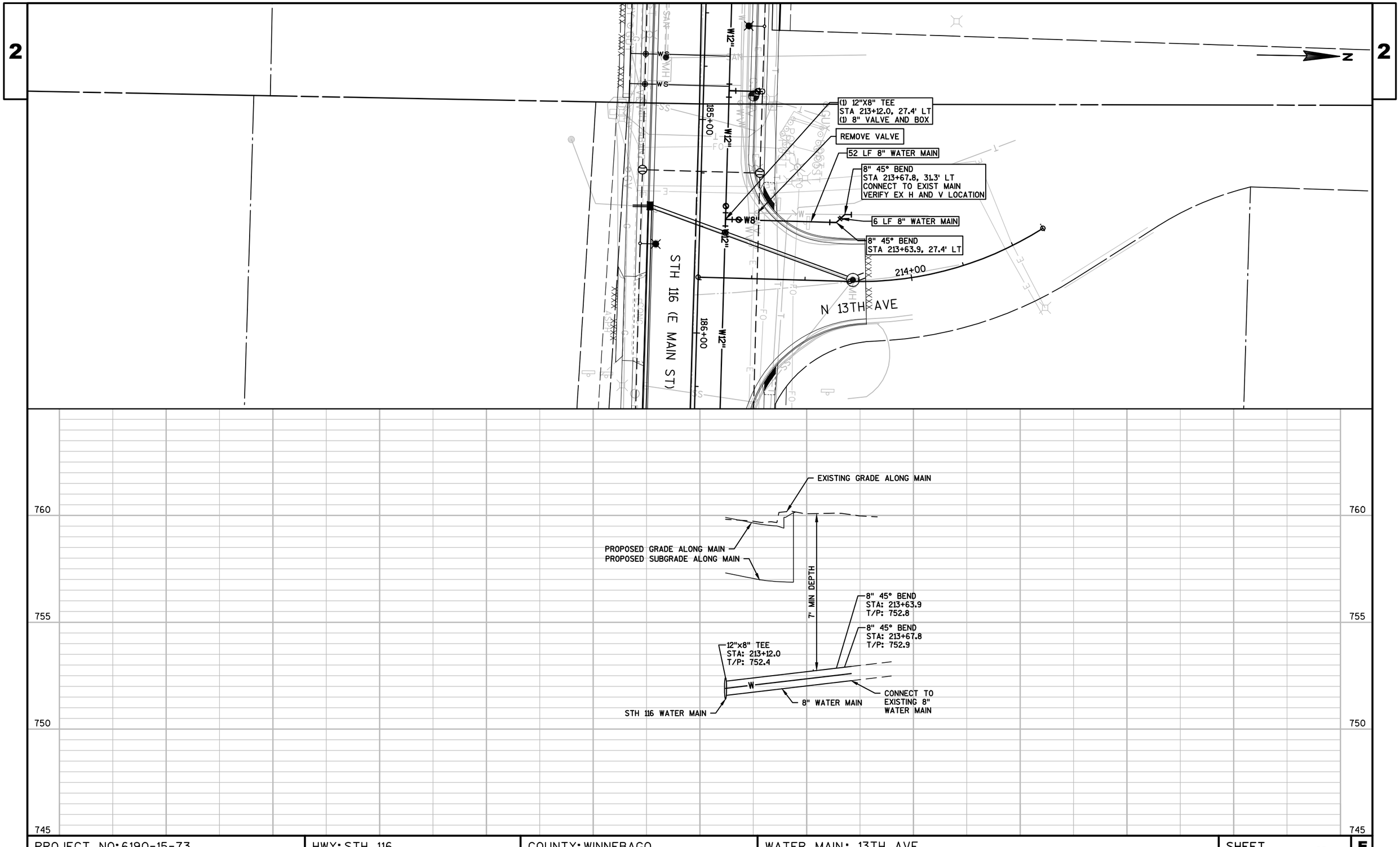




PROJECT NO: 6190-15-73	HWY: STH 116	COUNTY: WINNEBAGO	WATER MAIN: 7TH AVE	SHEET 90	E



PROJECT NO: 6190-15-73	HWY: STH 116	COUNTY: WINNEBAGO	WATER MAIN: 9TH AVE	SHEET 91	E



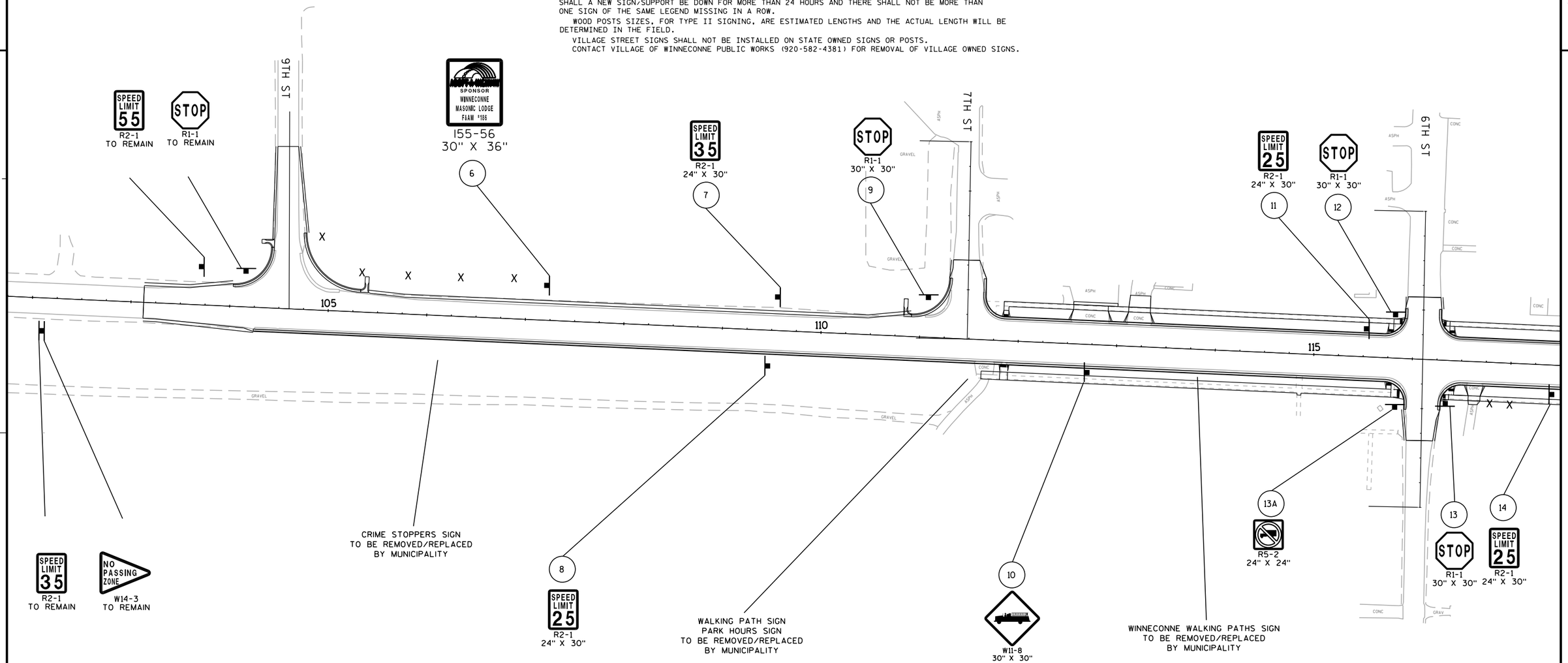
PROJECT NO: 6190-15-73	HWY: STH 116	COUNTY: WINNEBAGO	WATER MAIN: 13TH AVE	SHEET 92	E

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.

VILLAGE STREET SIGNS SHALL NOT BE INSTALLED ON STATE OWNED SIGNS OR POSTS.
CONTACT VILLAGE OF WINNECONNE PUBLIC WORKS (920-582-4381) FOR REMOVAL OF VILLAGE OWNED SIGNS.



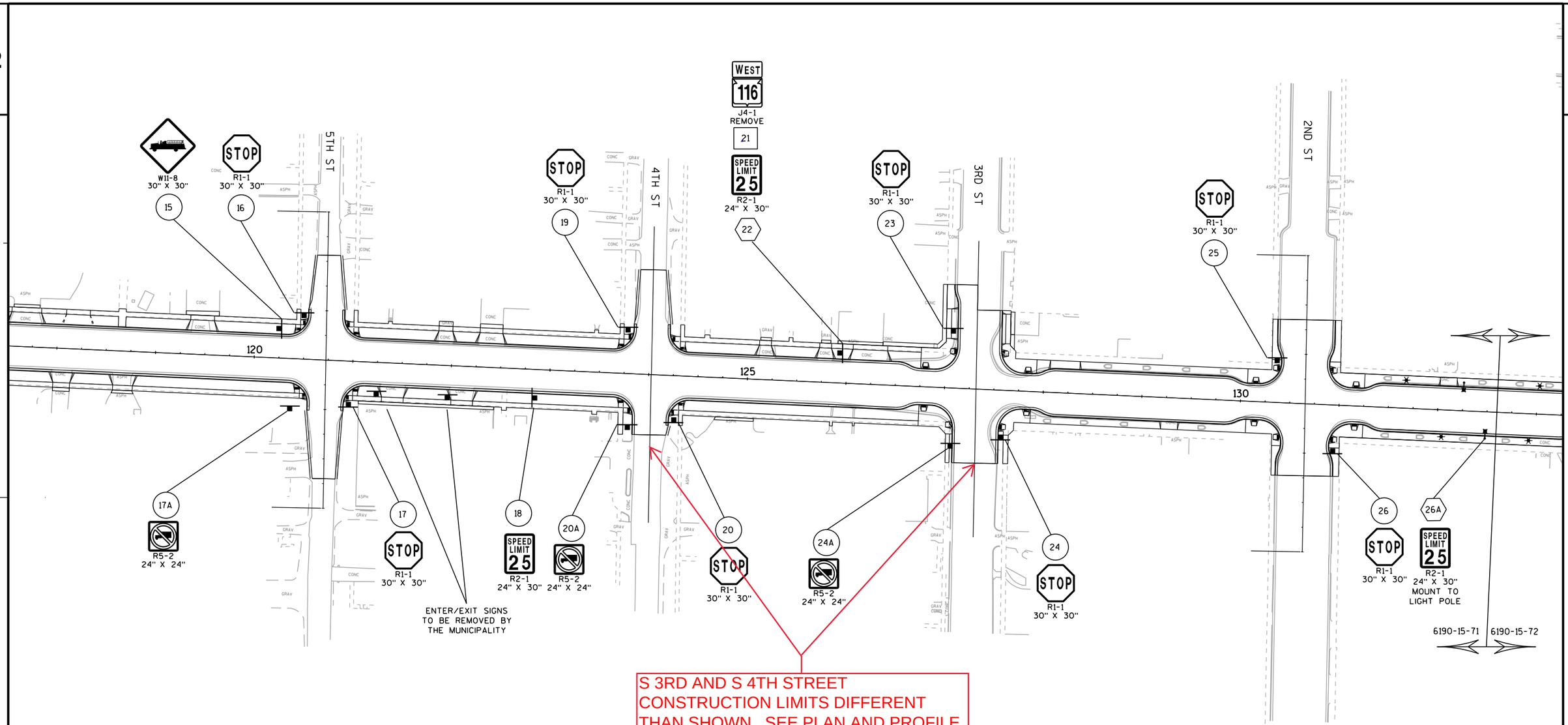
SIGN-REMOVE EXISTING

SIGN-REMOVE AND REPLACE

SIGN-PLACE NEW

PROJECT NO: 6190-15-71	HWY: STH 116	COUNTY: WINNEBAGO	PERMANENT SIGNING	SHEET E

FILE NAME : N:\spo\traffic\SIGNING\Projects\6190-15-71 STH 116 Winneconne - Winnebago\61901571_sgnpln.dgn PLOT DATE : 05-OCT-2016 11:34 PLOT BY : dotets PLOT NAME : PLOT SCALE : 100.185703:1
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.

VILLAGE STREET SIGNS SHALL NOT BE INSTALLED ON STATE OWNED STOP SIGNS.
CONTACT VILLAGE OF WINNECONNE PUBLIC WORKS (920-582-4381) FOR REMOVAL OF VILLAGE OWNED SIGNS.

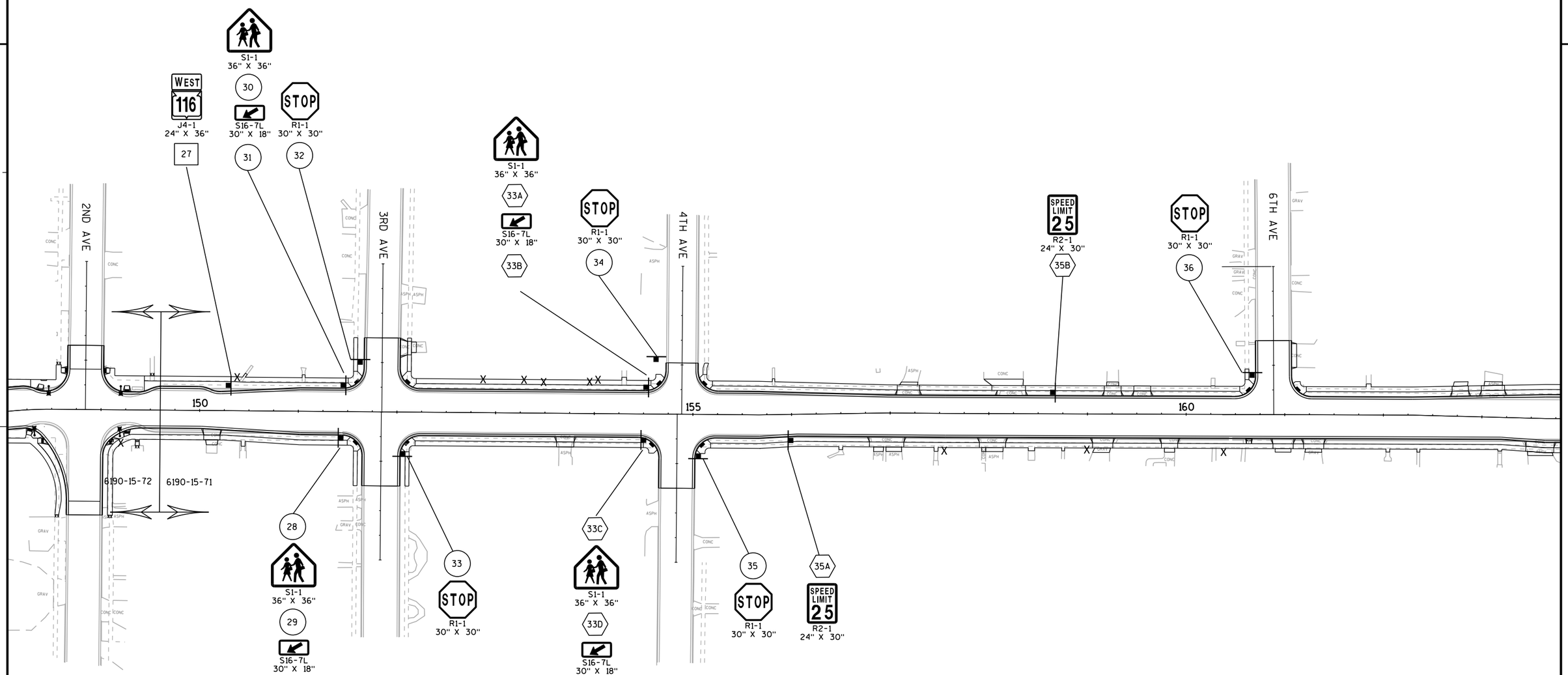
SIGN-REMOVE EXISTING

SIGN-REMOVE AND REPLACE

SIGN-PLACE NEW

PROJECT NO: 6190-15-71	HWY: STH 116	COUNTY: WINNEBAGO	PERMANENT SIGNING	SHEET 94	E

2



SIGN-REMOVE EXISTING

SIGN-REMOVE AND REPLACE

SIGN-PLACE NEW

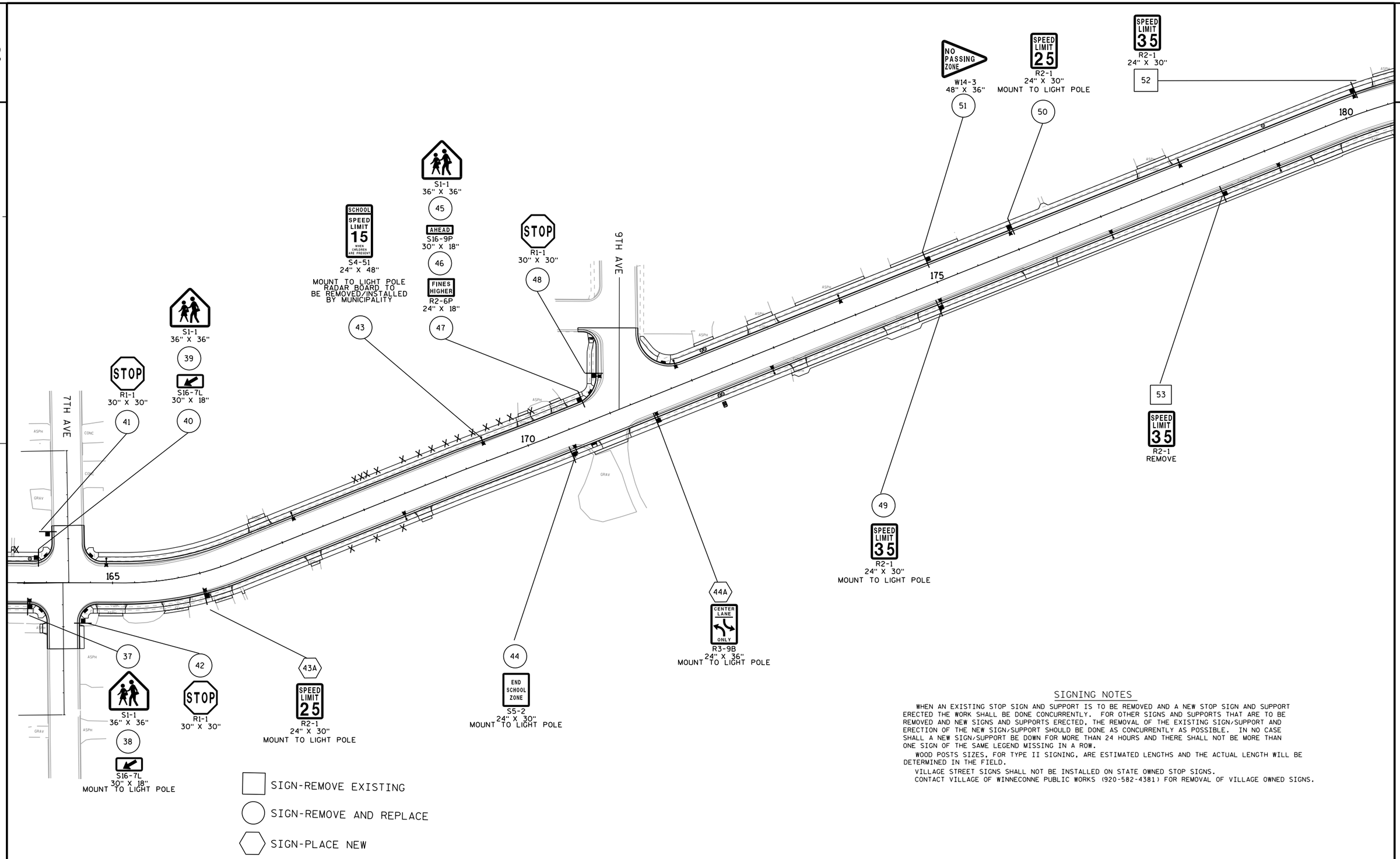
SIGNING NOTES

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.

VILLAGE STREET SIGNS SHALL NOT BE INSTALLED ON STATE OWNED STOP SIGNS.
CONTACT VILLAGE OF WINNECONNE PUBLIC WORKS (920-582-4381) FOR REMOVAL OF VILLAGE OWNED SIGNS.

PROJECT NO: 6190-15-71	HWY: STH 116	COUNTY: WINNEBAGO	PERMANENT SIGNING	SHEET 95	E



SIGNING NOTES

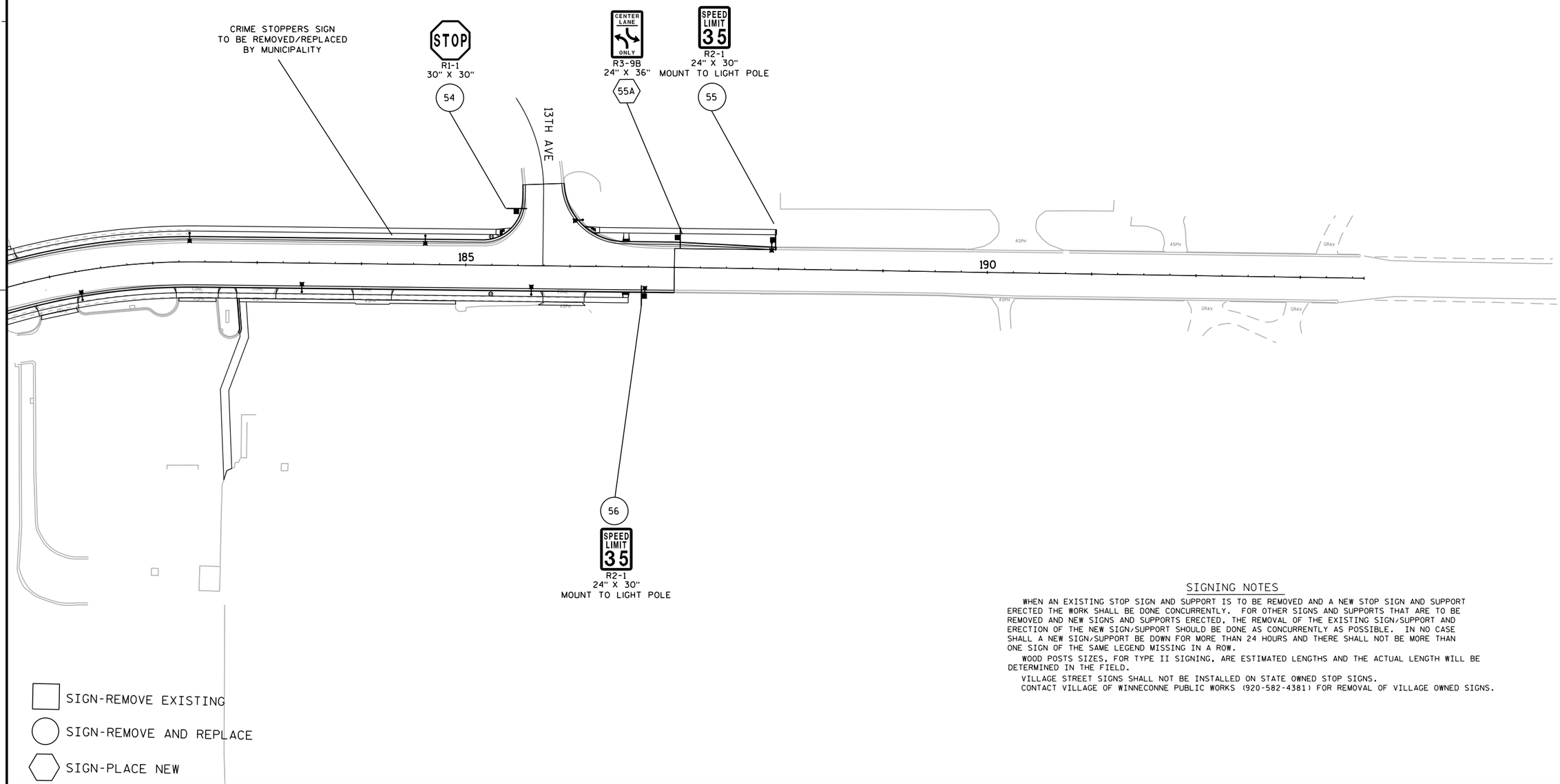
WHEN AN EXISTING STOP SIGN AND SUPPORT IS TO BE REMOVED AND A NEW STOP SIGN AND SUPPORT ERECTED THE WORK SHALL BE DONE CONCURRENTLY. FOR OTHER SIGNS AND SUPPORTS THAT ARE TO BE REMOVED AND NEW SIGNS AND SUPPORTS ERECTED, THE REMOVAL OF THE EXISTING SIGN/SUPPORT AND ERECTION OF THE NEW SIGN/SUPPORT SHOULD 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.

VILLAGE STREET SIGNS SHALL NOT BE INSTALLED ON STATE OWNED STOP SIGNS.
CONTACT VILLAGE OF WINNECONNE PUBLIC WORKS (920-582-4381) FOR REMOVAL OF VILLAGE OWNED SIGNS.

PROJECT NO: 6190-15-71	HWY: STH 116	COUNTY: WINNEBAGO	PERMANENT SIGNING	SHEET 96 E

2



SIGNING NOTES

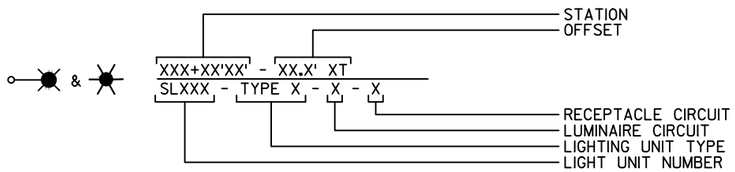
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WOOD POSTS SIZES, FOR TYPE II SIGNING, ARE ESTIMATED LENGTHS AND THE ACTUAL LENGTH WILL BE DETERMINED IN THE FIELD.

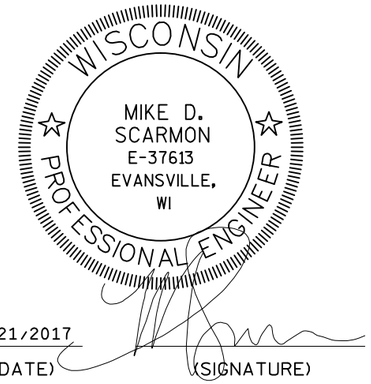
VILLAGE STREET SIGNS SHALL NOT BE INSTALLED ON STATE OWNED STOP SIGNS.
CONTACT VILLAGE OF WINNECONNE PUBLIC WORKS (920-582-4381) FOR REMOVAL OF VILLAGE OWNED SIGNS.

LIGHTING PLAN LEGEND:

- EXISTING DECORATIVE STREET LIGHT
- EXISTING DECORATIVE PEDESTRIAN STREET LIGHT
- DECORATIVE STREET LIGHT (TYPE A) INSTALLED IN PROJECT 6190-15-72
- DECORATIVE PEDESTRIAN STREET LIGHT (TYPE B) INSTALLED IN PROJECT 6190-15-72
- DECORATIVE STREET LIGHT (TYPE A)
- DECORATIVE PEDESTRIAN STREET LIGHT (TYPE B)
- CONCRETE CONTROL CABINET BASE/LIGHTING CONTROL CABINET
- PULL BOX NON-CONDUCTIVE (24"X42")
- LIGHTING CONDUIT (2" SCHEDULE 40 PVC UNLESS NOTED)
- REMOVE AND SALVAGE EXISTING STREET LIGHTING UNIT

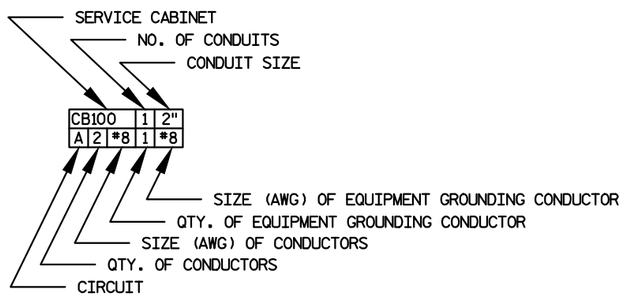


STREET LIGHTING PLANS PREPARED BY:



7/21/2017 (DATE) (SIGNATURE)

CONDUIT/CONDUCTOR LEGEND



PWO = PULL WIRE ONLY

CONDUCTOR COLOR LEGEND

EX CB100	CB400
STREET LIGHTING CONDUCTORS A - BLACK B - RED	STREET LIGHTING CONDUCTORS A - BLACK B - RED C - BLACK D - RED E - BLACK F - RED G - BLACK H - RED
240V PHASE TO PHASE	240V PHASE TO PHASE
STREET LIGHTING RECEPTACLE CONDUCTORS E - BLUE & NEUTRAL F - BROWN	STREET LIGHTING RECEPTACLE CONDUCTORS I - BLUE & NEUTRAL J - BROWN K - BLUE & NEUTRAL L - BROWN M - BLUE & NEUTRAL N - BROWN O - BLUE & NEUTRAL P - BROWN
120V PHASE TO GROUND	120V PHASE TO GROUND
PLANTER RECEPTACLE CONDUCTORS N - ORANGE & NEUTRAL O - ORANGE & NEUTRAL	RADAR BOARD CONDUCTORS Q - BLUE & NEUTRAL
120V PHASE TO GROUND	120V PHASE TO GROUND

GENERAL STREET LIGHTING NOTES:

1) THE ENGINEER SHALL APPROVE THE FINAL LOCATION FOR ALL CONCRETE BASES IN THE FIELD PRIOR TO CONSTRUCTION.

2) PITCH ALL CONDUITS TOWARD PULL BOXES. INSTALL A 2" DRAIN DUCT TO DITCH OR STORM SEWER AS REQUIRED FOR DRAINAGE. THIS 2" DRAIN DUCT IS INCIDENTAL TO THE PULL BOX BID ITEM. DRAIN DUCT IS NOT SHOWN. DO NOT SPLICE IN PULL BOXES.

3) 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.

SHEET 1 OF 15

2

REMOVE OR ABANDON EXISTING CONDUIT UNDER ROADWAY CROSSING IF REQUIRED BY CONSTRUCTION

STA. 130+24 - 27.9' LT
SL109 - TYPE A - A - E
SEE NOTE 1

STA. 129+84 - 27.3' LT
SL107 - TYPE B - B - F
SEE NOTE 1

STA. 131+06 - 28.3' LT
SL111 - TYPE A - B - F
SEE NOTE 1

REMOVE EXISTING CONTROL CABINET

STA. 131+67 - 28.4' LT
SL113 - TYPE B - A - E
SEE NOTE 1

STA. 129+25 - 28.0' LT
SL105 - TYPE A - A - E
SEE NOTE 1

STA. 127+72 - 27.5' LT
SL101 - TYPE A - A - E
SEE NOTE 2

STA. 128+44 - 27.8' LT
SL103 - TYPE B - B - F
SEE NOTE 1

REMOVE EXISTING PULL BOX

127+00 128+00 129+00 130+00 131+00 132

STH 116/W MAIN ST

MATCH LINE STA. 132+00

3RD ST

2ND ST

STA. 129+02 - 27.2' RT
SL104 - TYPE A - B - F
SEE NOTE 1

STA. 128+24 - 27.5' RT
SL102 - TYPE B - A - E
SEE NOTE 1

STA. 129+84 - 27.3' RT
SL106 - TYPE B - A - E
SEE NOTE 1

STA. 131+06 - 27.3' RT
SL110 - TYPE A - A - E
SEE NOTE 1

STA. 127+72 - 27.5' RT
SL100 - TYPE A - B - F
SEE NOTE 2

STA. 130+25 - 27.2' RT
SL108 - TYPE A - B - F
SEE NOTE 1

REMOVE OR ABANDON EXISTING CONDUIT UNDER ROADWAY CROSSING IF REQUIRED BY CONSTRUCTION

S 3RD STREET CONSTRUCTION LIMITS DIFFERENT THAN SHOWN. SEE PLAN AND PROFILE SHEET

NOTES:

1) RETRO-FIT STREET LIGHT WITH LED LUMINAIRE.

2) REINSTALL SALVAGED STREET LIGHTING UNIT WITH NEW LUMINAIRE

SHEET 2 OF 15

PROJECT NO: 6190-15-71	HWY: STH 116	COUNTY: WINNEBAGO	LIGHTING DETAILS	SHEET 99	E

FILE NAME : G:\OMNNI\STH 116 WINNECONNEE\CIVIL 3D\SHEETS PLAN\023601_LP_71 ROADWAY.DWG
LAYOUT NAME - SHEET - (6)

PLOT DATE : 7/26/2017 10:09 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

STREET LIGHTING CONDUCTORS	CB100		1	2"	
	A	2	#8	1	#8
	B	2	#8	--	--
STREET LIGHTING RECEPTACLE CONDUCTORS	E	1	#10	--	--
	F	1	#10	--	--
	NEU	1	#10	--	--

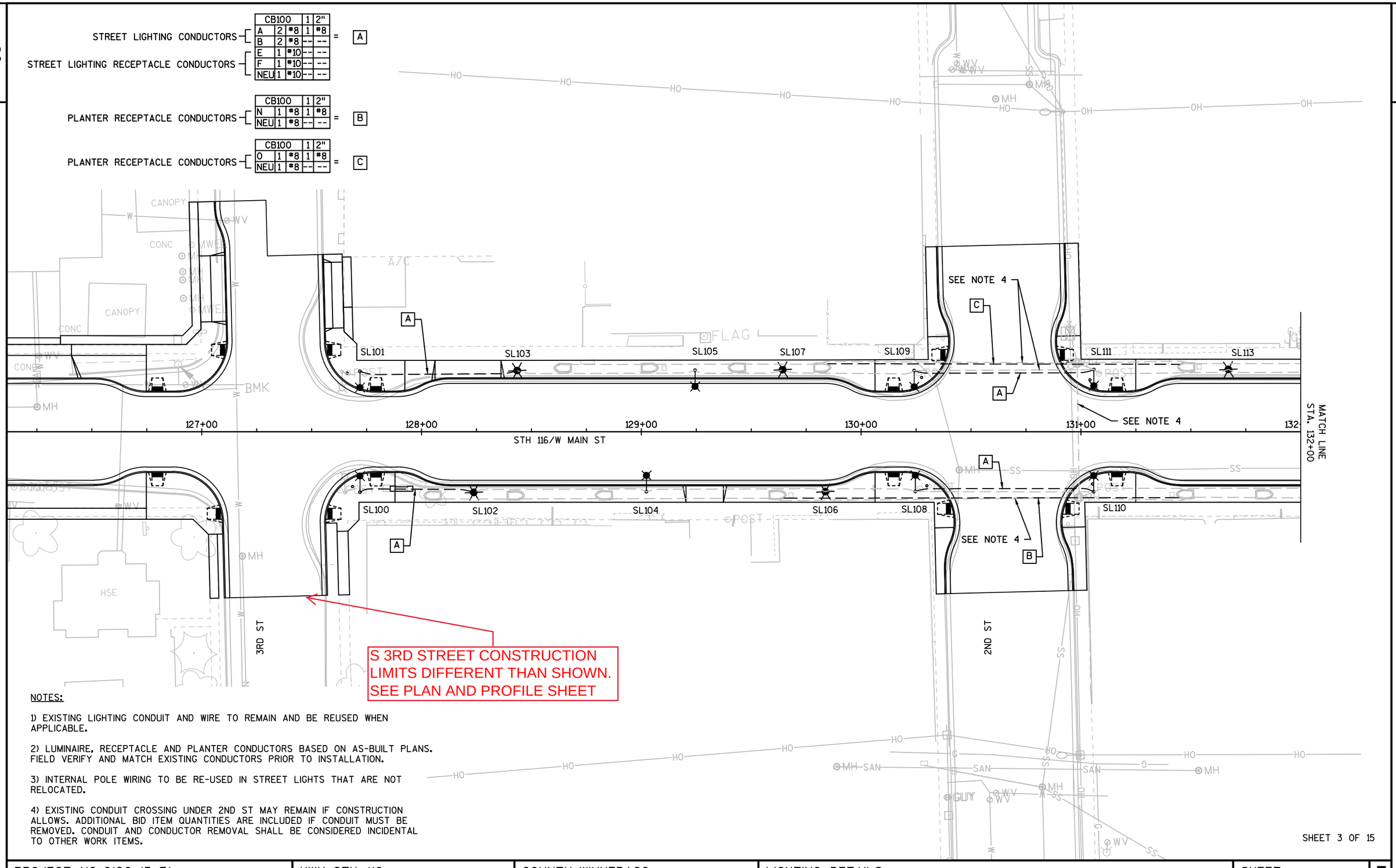
= A

PLANTER RECEPTACLE CONDUCTORS	CB100		1	2"	
	N	1	#8	1	#8
	NEU	1	#8	--	--

= B

PLANTER RECEPTACLE CONDUCTORS	CB100		1	2"	
	O	1	#8	1	#8
	NEU	1	#8	--	--

= C



S 3RD STREET CONSTRUCTION LIMITS DIFFERENT THAN SHOWN. SEE PLAN AND PROFILE SHEET

NOTES:

1) EXISTING LIGHTING CONDUIT AND WIRE TO REMAIN AND BE REUSED WHEN APPLICABLE.

2) LUMINAIRE, RECEPTACLE AND PLANTER CONDUCTORS BASED ON AS-BUILT PLANS. FIELD VERIFY AND MATCH EXISTING CONDUCTORS PRIOR TO INSTALLATION.

3) INTERNAL POLE WIRING TO BE RE-USED IN STREET LIGHTS THAT ARE NOT RELOCATED.

4) EXISTING CONDUIT CROSSING UNDER 2ND ST MAY REMAIN IF CONSTRUCTION ALLOWS. ADDITIONAL BID ITEM QUANTITIES ARE INCLUDED IF CONDUIT MUST BE REMOVED. CONDUIT AND CONDUCTOR REMOVAL SHALL BE CONSIDERED INCIDENTAL TO OTHER WORK ITEMS.

SHEET 3 OF 15

PROJECT NO: 6190-15-71	HWY: STH 116	COUNTY: WINNEBAGO	LIGHTING DETAILS	SHEET 100	E

2

STA. 132+26 - 28.5' LT
SL115 - TYPE A - B - F
SEE NOTE 1

LIGHTING INSTALLED WITH
PROJECT 6190-15-72

EX PB106

EX SL117

EX PB105

MATCH LINE
STA. 132+00

133+00

134+00

135+00

136+00

137+00

EX SL116

EX PB100

EX PB102

EX PB101

EX CB100

LIGHTING INSTALLED WITH
PROJECT 6190-15-71

STA. 132+49 - 27.0' RT
SL114 - TYPE A - A - E
SEE NOTE 1

STA. 132+05 - 27.2' RT
SL112 - TYPE B - B - F
SEE NOTE 1

NOTES:

1) RETRO-FIT STREET LIGHT WITH LED LUMINAIRE.

SHEET 4 OF 15

PROJECT NO: 6190-15-71	HWY: STH 116	COUNTY: WINNEBAGO	LIGHTING DETAILS	SHEET 101	E

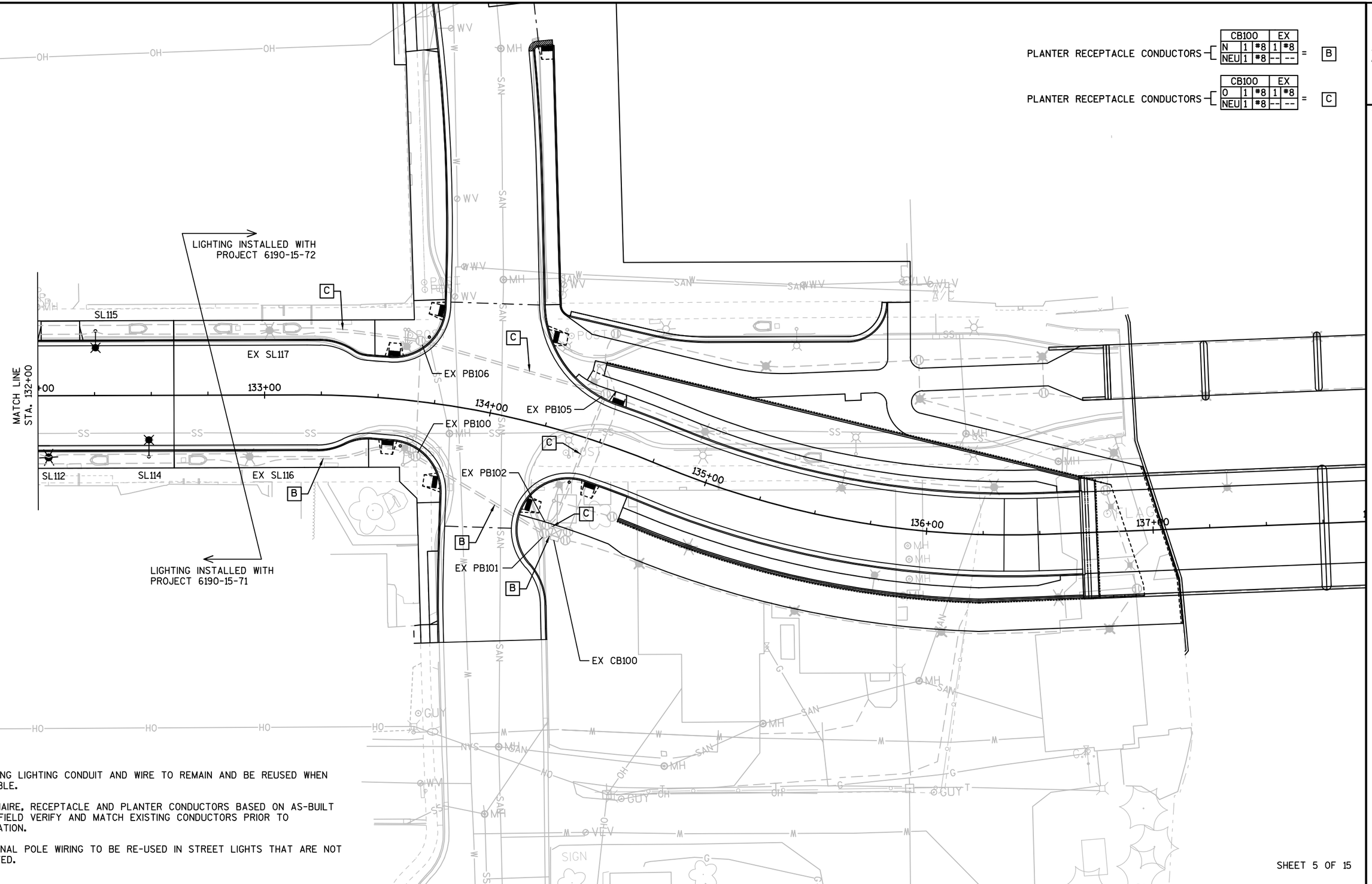
2

PLANTER RECEPTACLE CONDUCTORS

CB100			EX		
N	1	#8	1	#8	
NEU	1	#8	--	--	= B

PLANTER RECEPTACLE CONDUCTORS

CB100			EX		
0	1	#8	1	#8	
NEU	1	#8	--	--	= C



NOTES:

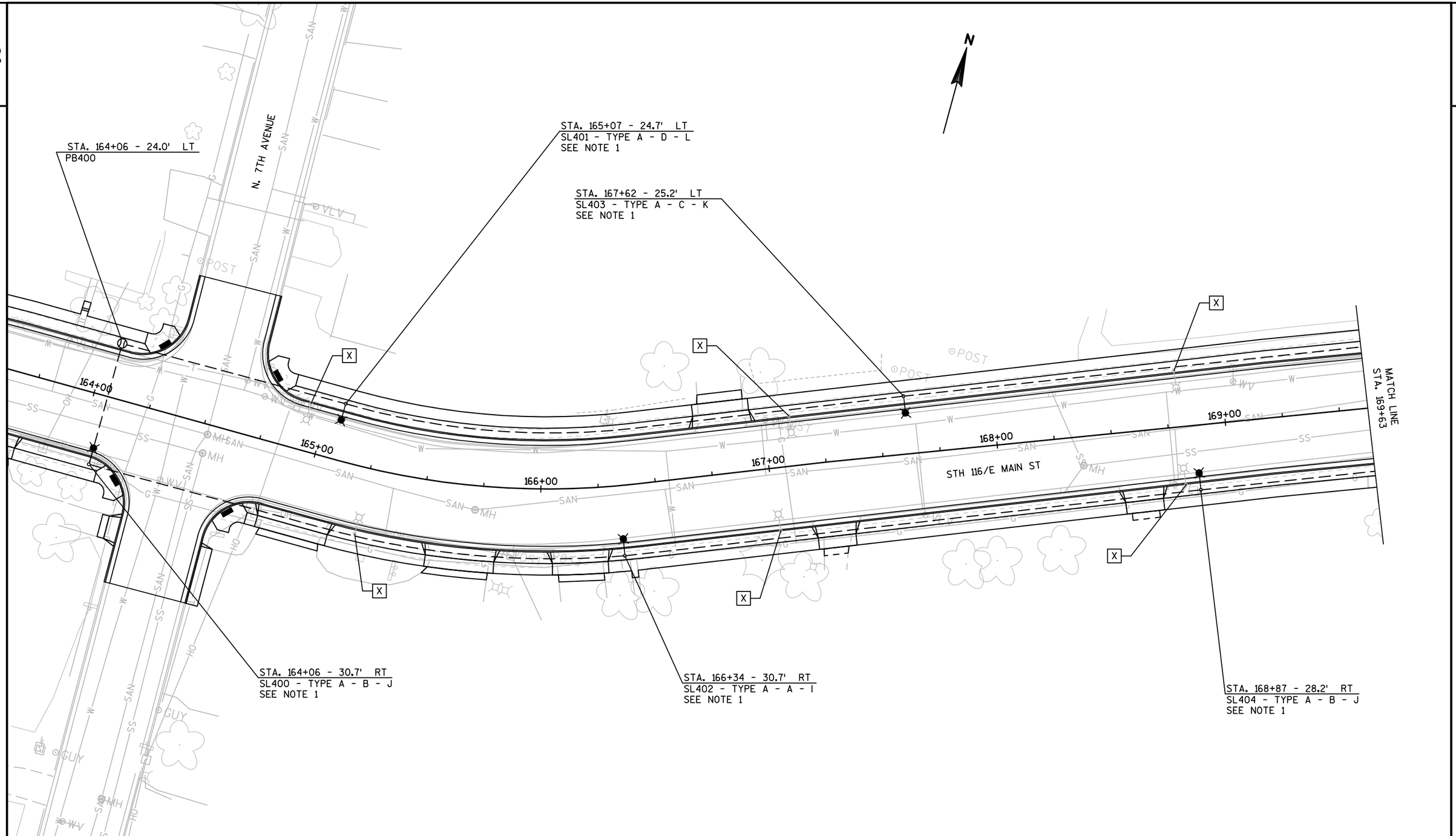
1) EXISTING LIGHTING CONDUIT AND WIRE TO REMAIN AND BE REUSED WHEN APPLICABLE.

2) LUMINAIRE, RECEPTACLE AND PLANTER CONDUCTORS BASED ON AS-BUILT PLANS. FIELD VERIFY AND MATCH EXISTING CONDUCTORS PRIOR TO INSTALLATION.

3) INTERNAL POLE WIRING TO BE RE-USED IN STREET LIGHTS THAT ARE NOT RELOCATED.

SHEET 5 OF 15

2



NOTES:

1) REINSTALL SALVAGED STREET LIGHTING UNIT WITH NEW LUMINAIRE

SHEET 6 OF 15

PROJECT NO: 6190-15-71	HWY: STH 116	COUNTY: WINNEBAGO	LIGHTING DETAILS	SHEET 103 E

2

	CB400		1	2"	
STREET LIGHTING CONDUCTORS	A	2	#8	1	#8	= D
	B	2	#8	--	--	
STREET LIGHTING RECEPTACLE CONDUCTORS	I	1	#10	--	--	
	J	1	#10	--	--	
	NEU	1	#10	--	--	

	CB400		1	2"	
STREET LIGHTING CONDUCTORS	C	2	#8	1	#8	= E
	D	2	#8	--	--	
STREET LIGHTING RECEPTACLE CONDUCTORS	K	1	#10	--	--	
	L	1	#10	--	--	
	NEU	1	#10	--	--	

N

N. 7TH AVENUE

PB400

PWO

PWO

164+00

SL400

SL401

	CB400		1	2"	
	D	2	#8	1	#8
	L	1	#10	--	--
	NEU	1	#10	--	--

	CB300		1	2"	
	B	2	#8	1	#8
	J	1	#10	--	--
	NEU	1	#10	--	--

165+00

166+00

167+00

168+00

169+00

SL402

SL403

SL404

E

D

D

STH 116/E MAIN ST

MATCH LINE
STA. 169+63

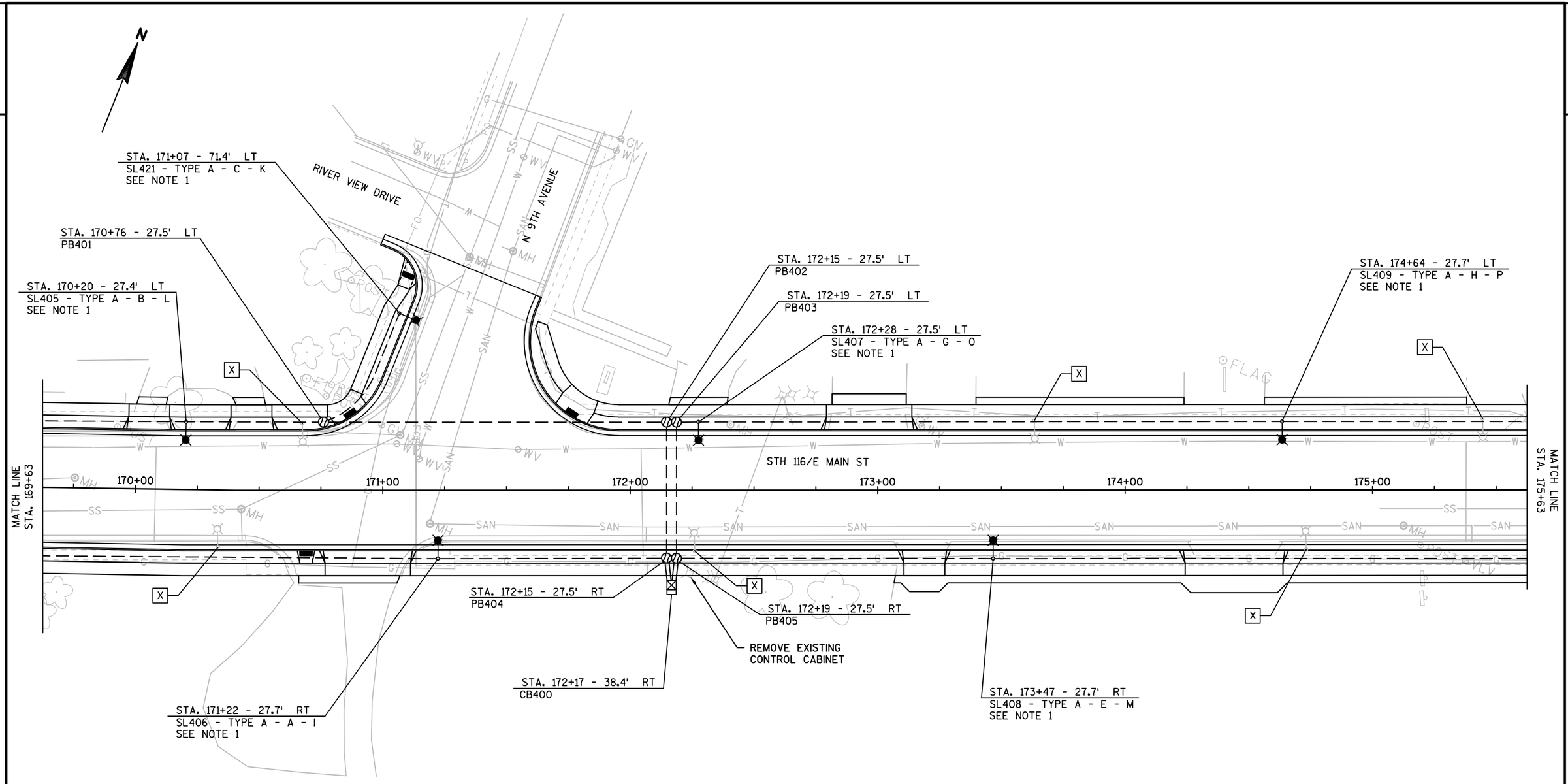
SHEET 7 OF 15

PROJECT NO: 6190-15-71	HWY: STH 116	COUNTY: WINNEBAGO	LIGHTING DETAILS

SHEET 104 E

FILE NAME : G:\OMNNI\STH 116 WINNECONNEE\CIVIL 3D\SHEETS PLAN\023602_LP_71 ROADWAY.DWG PLOT DATE : 7/26/2017 10:14 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

2



NOTES:

1) REINSTALL SALVAGED STREET LIGHTING UNIT WITH NEW LUMINAIRE

SHEET 8 OF 15

PROJECT NO: 6190-15-71	HWY: STH 116	COUNTY: WINNEBAGO	LIGHTING DETAILS	SHEET 105	E

2

CB400	1	2"
A	2	#8
B	2	#8
I	1	#10
J	1	#10
NEU	1	#10

STREET LIGHTING CONDUCTORS
STREET LIGHTING RECEPTACLE CONDUCTORS
= D

CB400	1	2"
C	2	#8
D	2	#8
K	1	#10
L	1	#10
NEU	1	#10

STREET LIGHTING CONDUCTORS
STREET LIGHTING RECEPTACLE CONDUCTORS
= E

CB400	1	2"
C	2	#8
D	2	#8
K	1	#10
L	1	#10
NEU	1	#10
Q	1	#10
NEU	1	#10

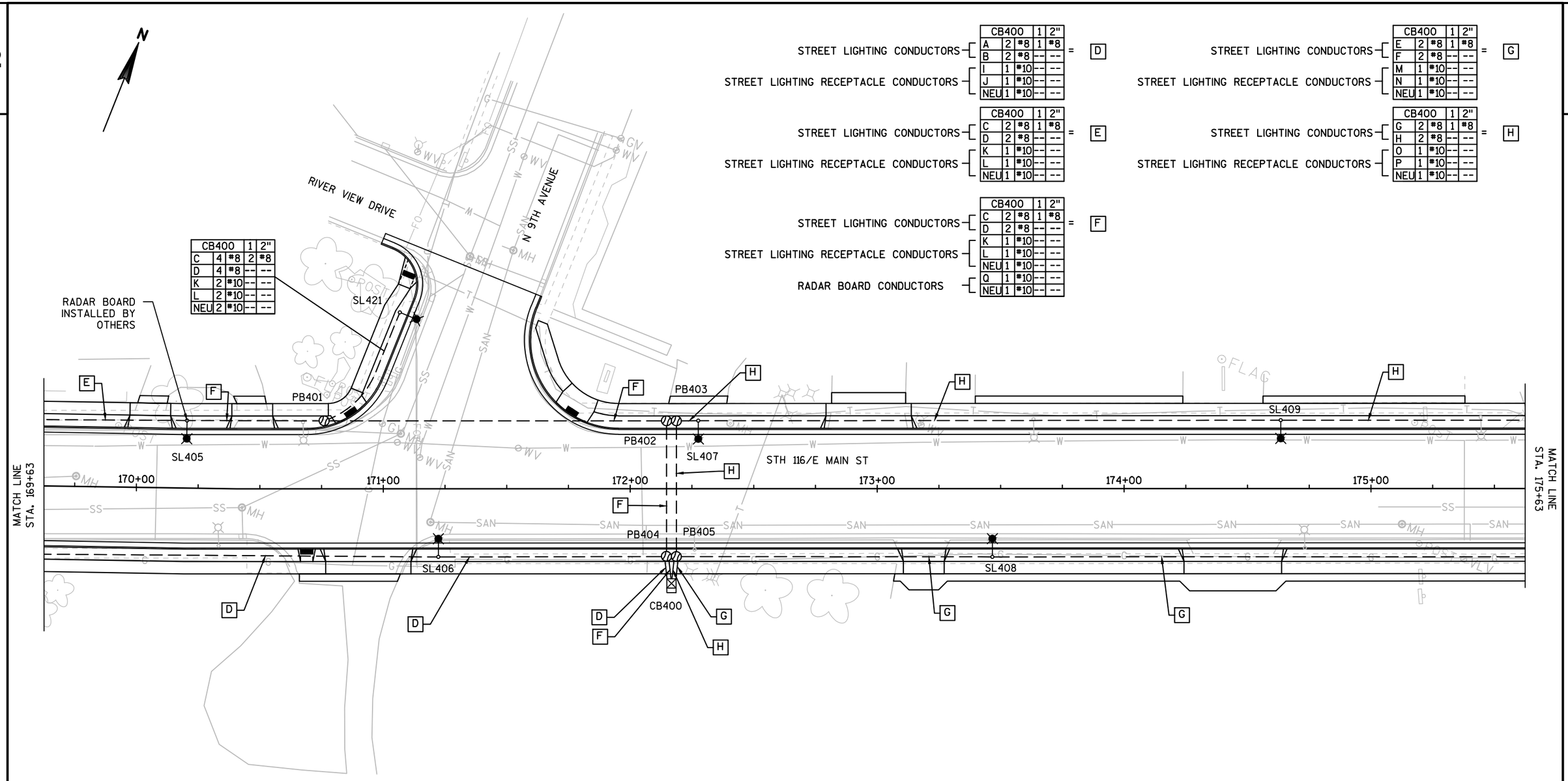
STREET LIGHTING CONDUCTORS
STREET LIGHTING RECEPTACLE CONDUCTORS
RADAR BOARD CONDUCTORS
= F

CB400	1	2"
E	2	#8
F	2	#8
M	1	#10
N	1	#10
NEU	1	#10

STREET LIGHTING CONDUCTORS
STREET LIGHTING RECEPTACLE CONDUCTORS
= G

CB400	1	2"
G	2	#8
H	2	#8
O	1	#10
P	1	#10
NEU	1	#10

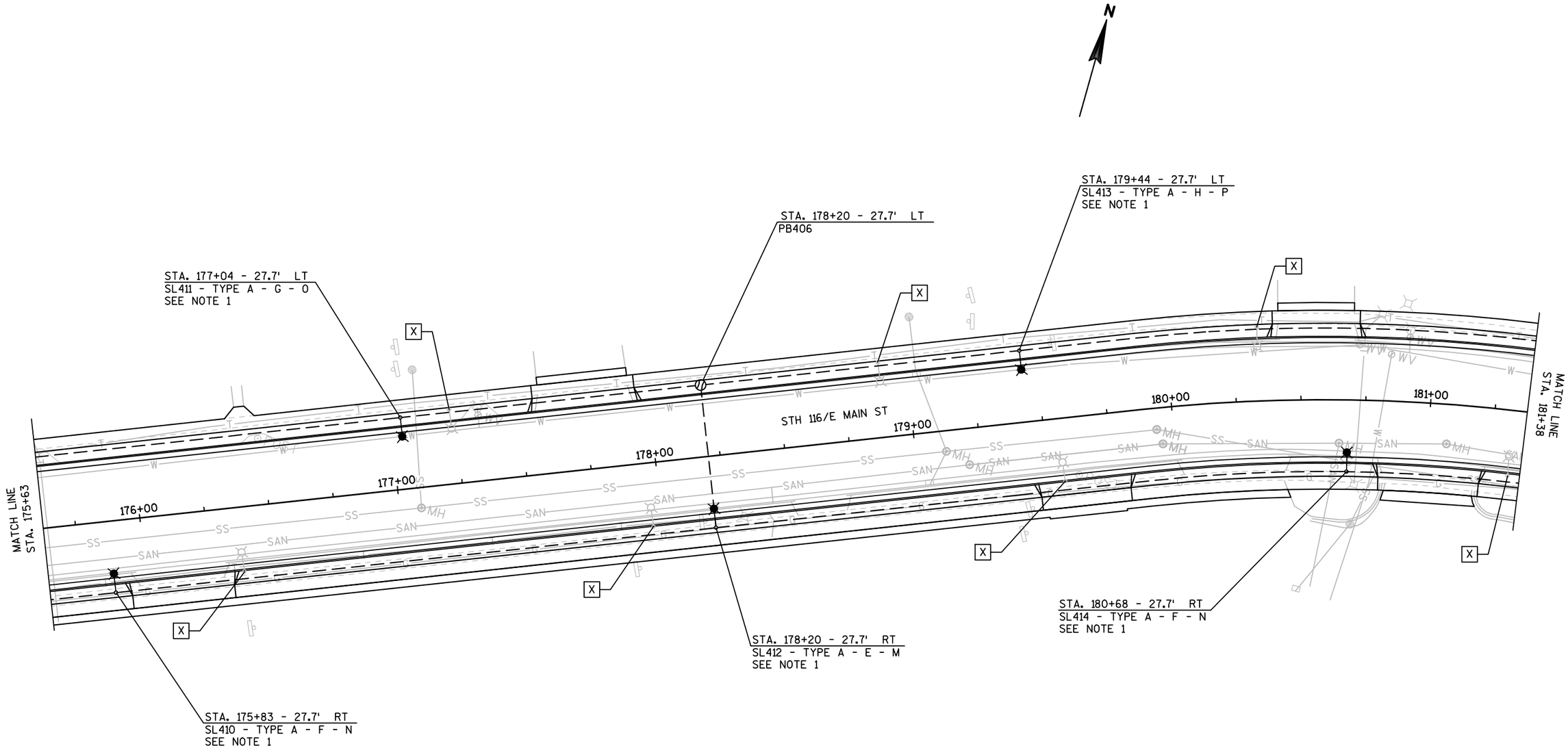
STREET LIGHTING CONDUCTORS
STREET LIGHTING RECEPTACLE CONDUCTORS
= H



SHEET 9 OF 15

PROJECT NO: 6190-15-71	HWY: STH 116	COUNTY: WINNEBAGO	LIGHTING DETAILS	SHEET 106	E

2



NOTES:

1) REINSTALL SALVAGED STREET LIGHTING UNIT WITH NEW LUMINAIRE

SHEET 10 OF 15

PROJECT NO: 6190-15-71	HWY: STH 116	COUNTY: WINNEBAGO	LIGHTING DETAILS	SHEET 107	E

2

CB400		1	2"		
E	2	#8	1	#8	= G
F	2	#8	--	--	
M	1	#10	--	--	
N	1	#10	--	--	
NEU	1	#10	--	--	

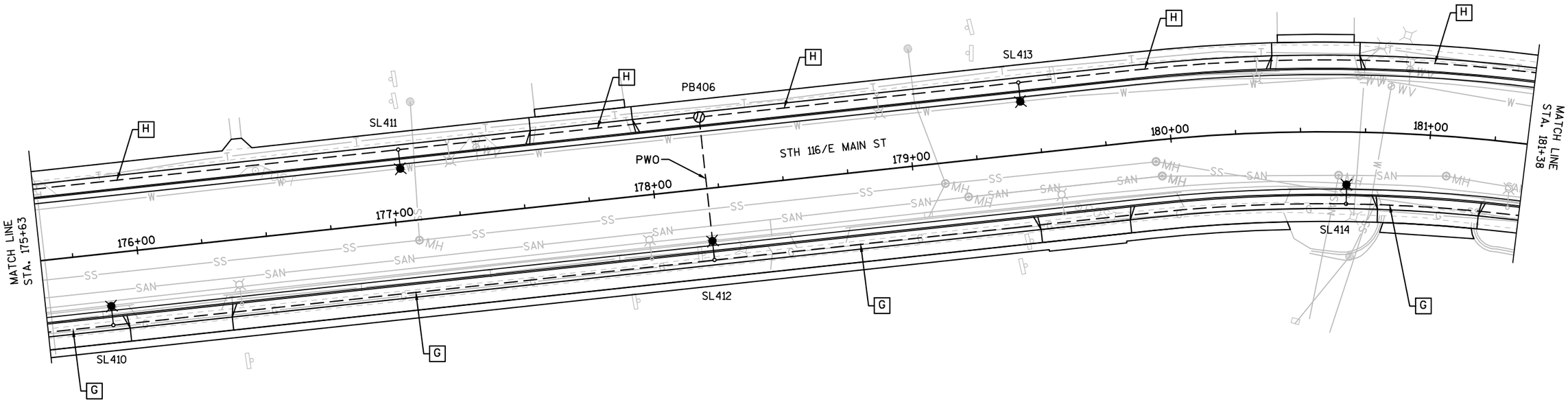
STREET LIGHTING CONDUCTORS

STREET LIGHTING RECEPTACLE CONDUCTORS

CB400		1	2"		
G	2	#8	1	#8	= H
H	2	#8	--	--	
O	1	#10	--	--	
P	1	#10	--	--	
NEU	1	#10	--	--	

STREET LIGHTING CONDUCTORS

STREET LIGHTING RECEPTACLE CONDUCTORS



SHEET 11 OF 15

PROJECT NO: 6190-15-71	HWY: STH 116	COUNTY: WINNEBAGO	LIGHTING DETAILS	SHEET 108	E

2

N

STA. 181+92 - 27.7' LT
SL415 - TYPE A - G - O
SEE NOTE 1

STA. 184+55 - 27.7' LT
SL417 - TYPE A - H - P
SEE NOTE 1

STA. 185+23 - 27.5' LT
PB407

WENTZEL DRIVE

STA. 186+66 - 27.7' LT
SL419 - TYPE A - G - O
SEE NOTE 1

MATCH LINE
STA. 181+38

182+00 183+00 184+00 185+00 186+00 187+00

MATCH LINE
STA. 187+25

STH 116/E MAIN ST

STA. 183+25 - 27.7' RT
SL416 - TYPE A - E - M
SEE NOTE 1

STA. 185+23 - 27.5' RT
PB408

STA. 185+58 - 27.7' RT
SL418 - TYPE A - F - N
SEE NOTE 1

NOTES:

1) REINSTALL SALVAGED STREET LIGHTING UNIT WITH NEW LUMINAIRE

SHEET 12 OF 15

PROJECT NO: 6190-15-71	HWY: STH 116	COUNTY: WINNEBAGO	LIGHTING DETAILS	SHEET 109	E

2

STREET LIGHTING CONDUCTORS	CB400	1	2"		
	E	2	#8	1	#8
	F	2	#8	--	--
STREET LIGHTING RECEPTACLE CONDUCTORS	M	1	#10	--	--
	N	1	#10	--	--
	NEU	1	#10	--	--

= G

STREET LIGHTING CONDUCTORS	CB400	1	2"		
	G	2	#8	1	#8
	H	2	#8	--	--
STREET LIGHTING RECEPTACLE CONDUCTORS	O	1	#10	--	--
	P	1	#10	--	--
	NEU	1	#10	--	--

= H

N

WENTZEL DRIVE

CB400	1	2"
G	2 #8	1 #8
O	1 #10	-- --
NEU	1 #10	-- --

CB400	1	2"
G	2 #8	1 #8
O	1 #10	-- --
NEU	1 #10	-- --

CB400	1	2"
E	2 #8	1 #8
M	1 #10	-- --
NEU	1 #10	-- --

H

H

SL415

SL416

SL417

SL418

SL419

PB407

PB408

PWO

G

G

G

182+00

183+00

184+00

185+00

186+00

187+00

MATCH LINE
STA. 181+38

MATCH LINE
STA. 187+25

STH 116/E MAIN ST

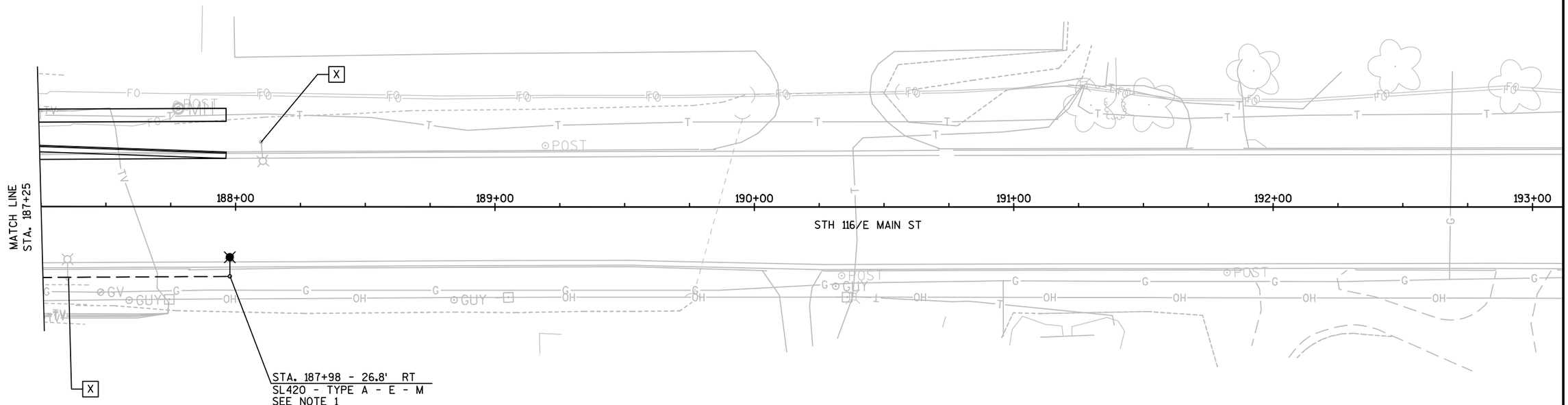
SAN MH SAN SAN SAN SAN SAN MH

W WV W W W W W W WV W

T T T

2

N



NOTES:

1) REINSTALL SALVAGED STREET LIGHTING UNIT WITH NEW LUMINAIRE

SHEET 14 OF 15

PROJECT NO: 6190-15-71	HWY: STH 116	COUNTY: WINNEBAGO	LIGHTING DETAILS	SHEET 111	E

2

N

MATCH LINE
STA. 187+25

188+00 189+00 190+00 191+00 192+00 193+00

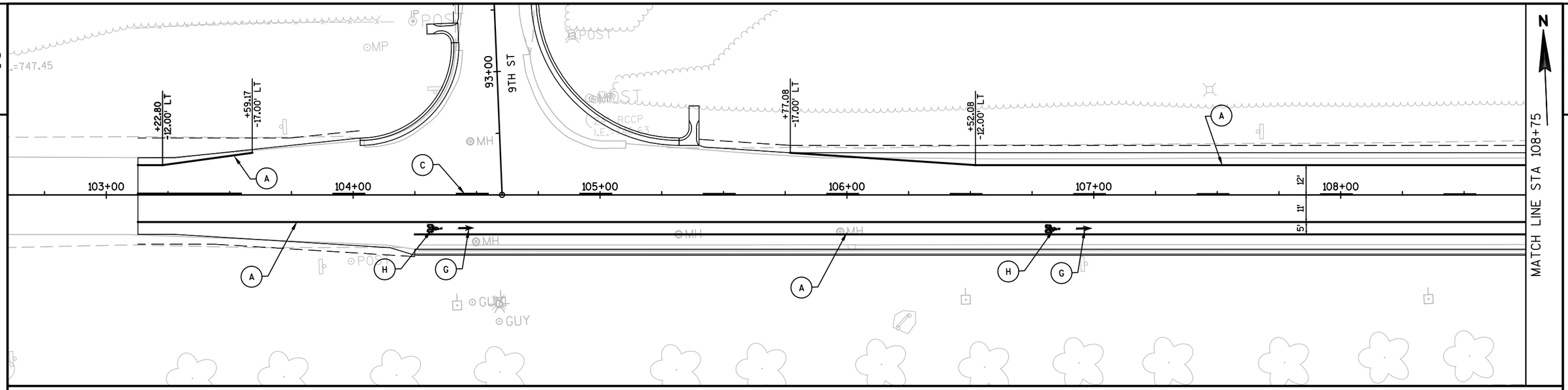
STH 116/E MAIN ST

SL420

CB400		1	2"
E	2	#8	1	#8
M	1	#10	--	--
NEU	1	#10	--	--

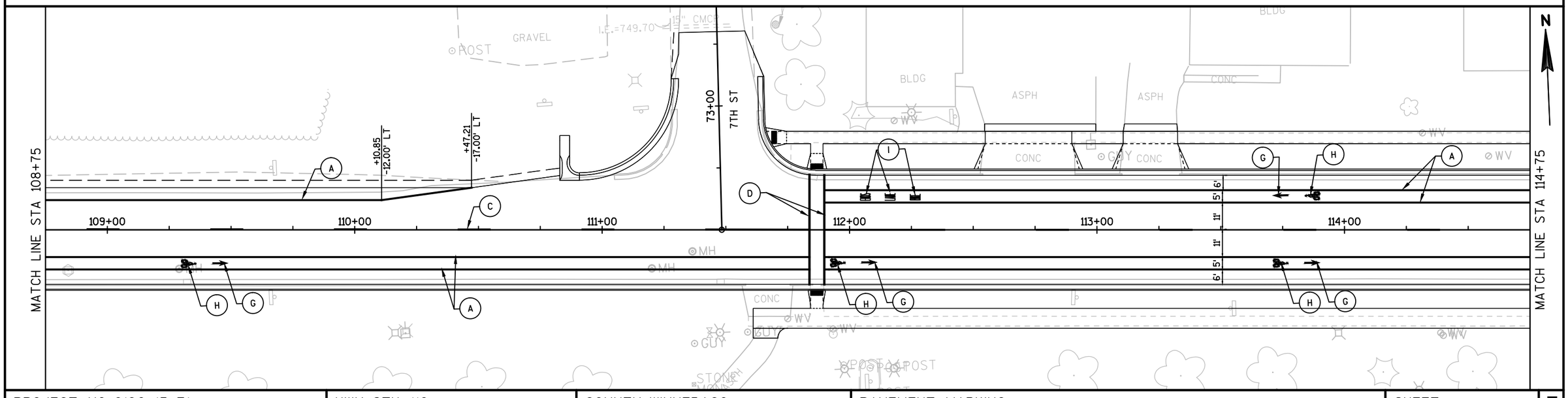
SHEET 15 OF 15

PROJECT NO: 6190-15-71	HWY: STH 116	COUNTY: WINNEBAGO	LIGHTING DETAILS	SHEET 112	E

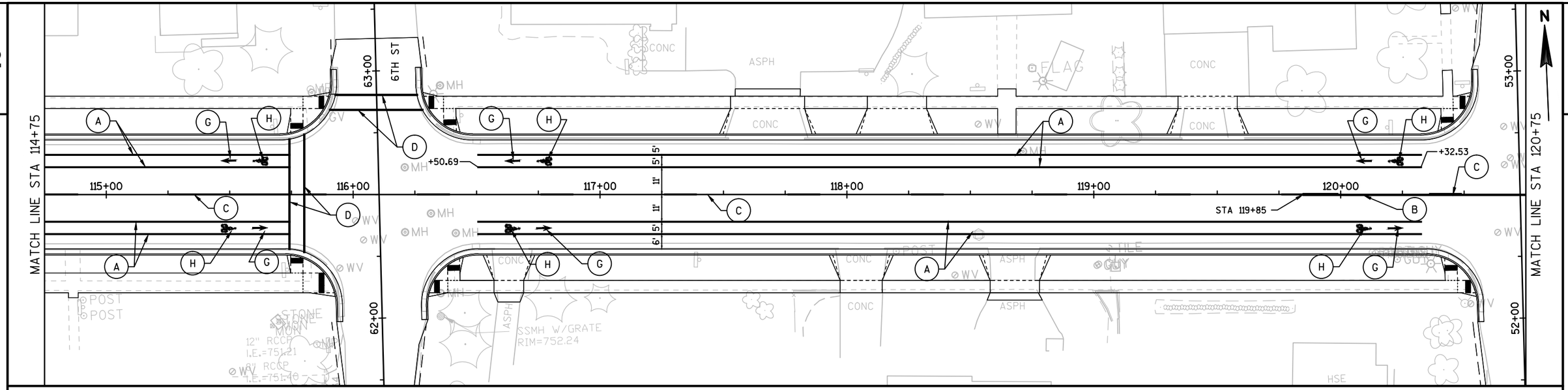


LEGEND

- (A) MARKING LINE EPOXY 4-INCH (WHITE)
- (B) MARKING LINE EPOXY 4-INCH (YELLOW)
- (C) MARKING LINE EPOXY 4-INCH (YELLOW) - 12.5' LINE, 37.5' GAP
- (D) MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH
- (E) MARKING LINE EPOXY 8-INCH (WHITE)
- (F) MARKING LINE EPOXY 8-INCH (WHITE) - 3' LINE, 9' GAP
- (G) MARKING ARROW EPOXY BIKE LANE (WHITE)
- (H) MARKING SYMBOL EPOXY BIKE LANE (WHITE)
- (I) MARKING WORD EPOXY BIKE LANE (WHITE)
- (J) MARKING PARKING STALL EPOXY (WHITE)
- (K) MARKING ARROW EPOXY (WHITE)
- (M) MARKING DIAGONAL EPOXY 12-INCH (YELLOW)
- (N) MARKING STOP LINE EPOXY 18-INCH

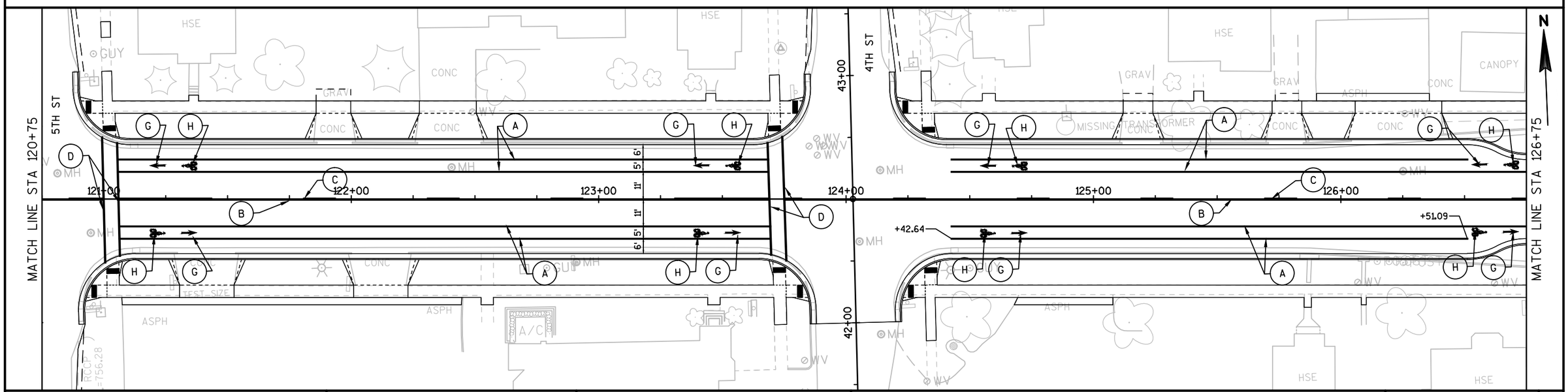


PROJECT NO: 6190-15-71	HWY: STH 116	COUNTY: WINNEBAGO	PAVEMENT MARKING	SHEET 113	E

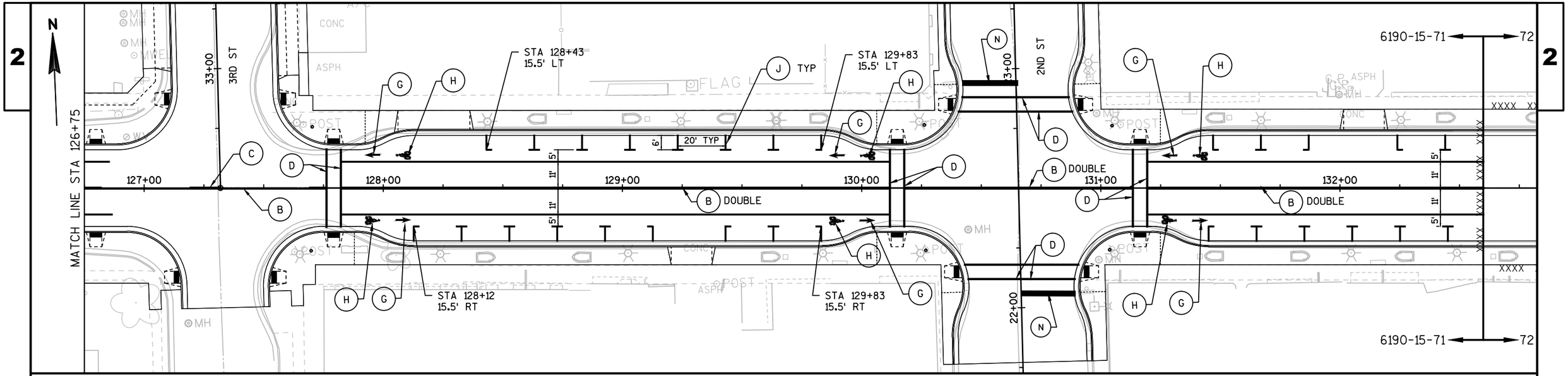


LEGEND

- (A) MARKING LINE EPOXY 4-INCH (WHITE)
- (B) MARKING LINE EPOXY 4-INCH (YELLOW)
- (C) MARKING LINE EPOXY 4-INCH (YELLOW) - 12.5' LINE, 37.5' GAP
- (D) MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH
- (E) MARKING LINE EPOXY 8-INCH (WHITE)
- (F) MARKING LINE EPOXY 8-INCH (WHITE) - 3' LINE, 9' GAP
- (G) MARKING ARROW EPOXY BIKE LANE (WHITE)
- (H) MARKING SYMBOL EPOXY BIKE LANE (WHITE)
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- (N) MARKING STOP LINE EPOXY 18-INCH

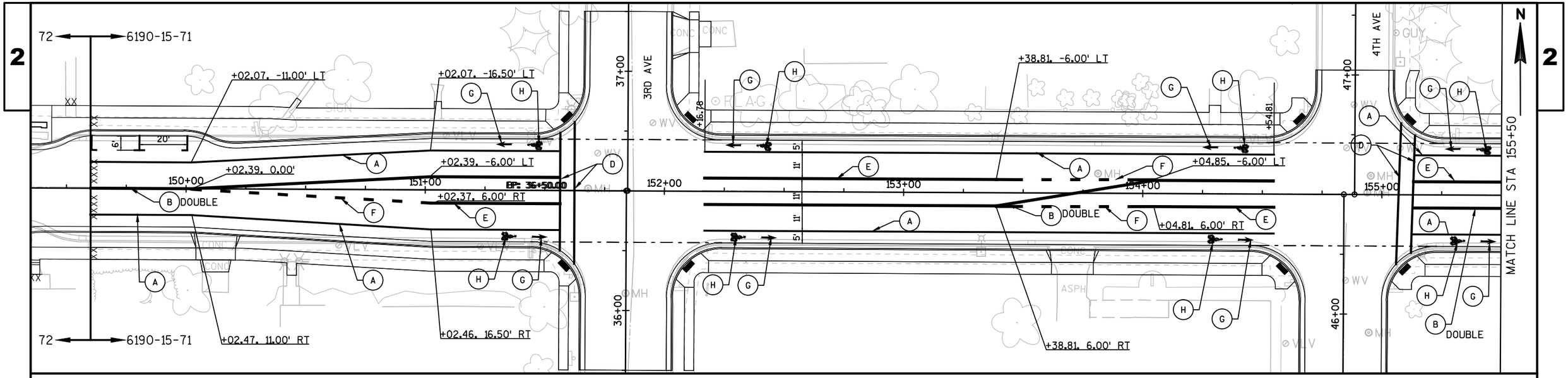


PROJECT NO: 6190-15-71	HWY: STH 116	COUNTY: WINNEBAGO	PAVEMENT MARKING	SHEET 114	E



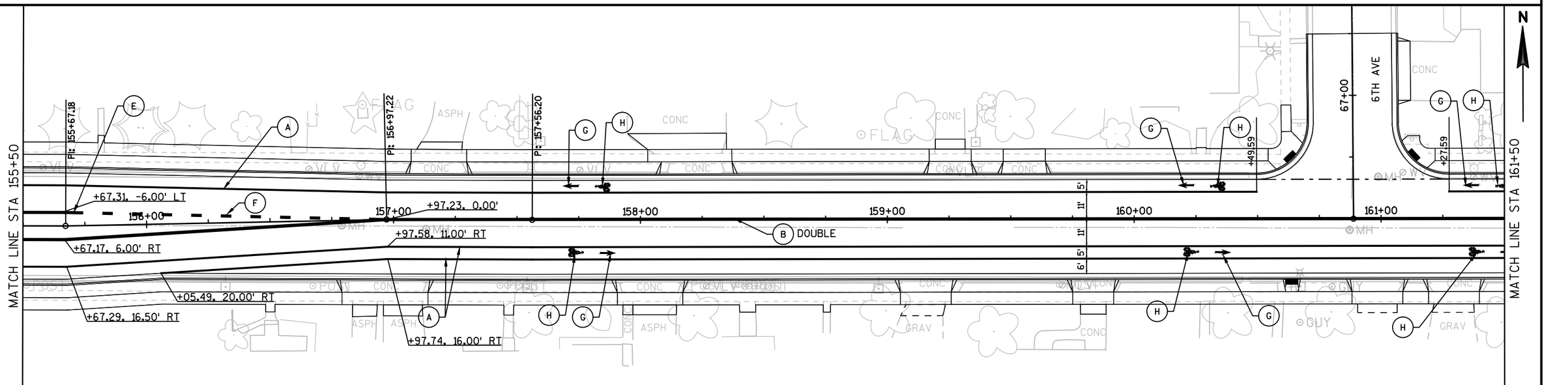
LEGEND

- (A) MARKING LINE EPOXY 4-INCH (WHITE)
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- (H) MARKING SYMBOL EPOXY BIKE LANE (WHITE)
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- (K) MARKING ARROW EPOXY (WHITE)
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- (N) MARKING STOP LINE EPOXY 18-INCH



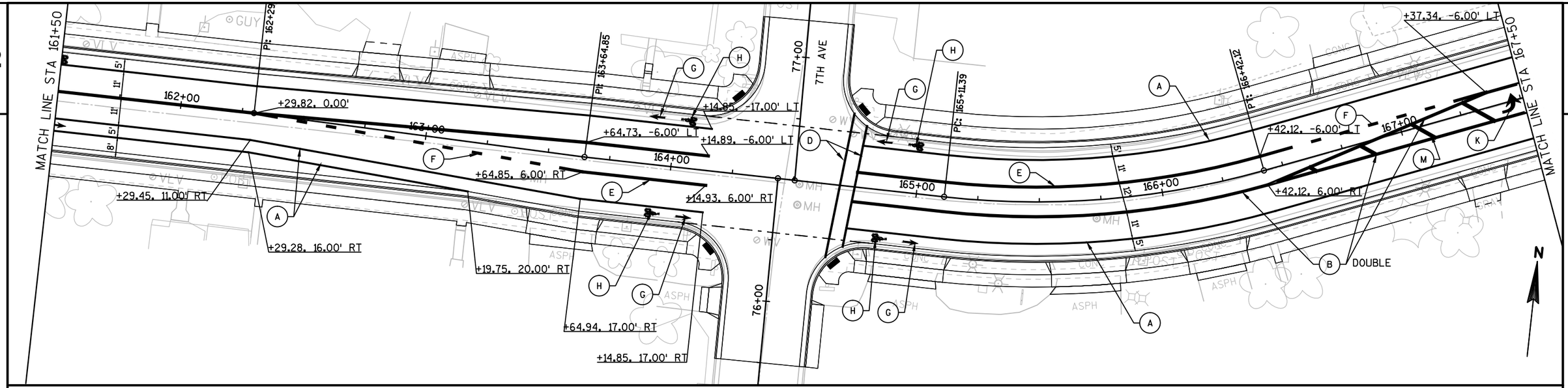
LEGEND

- (A) MARKING LINE EPOXY 4-INCH (WHITE)
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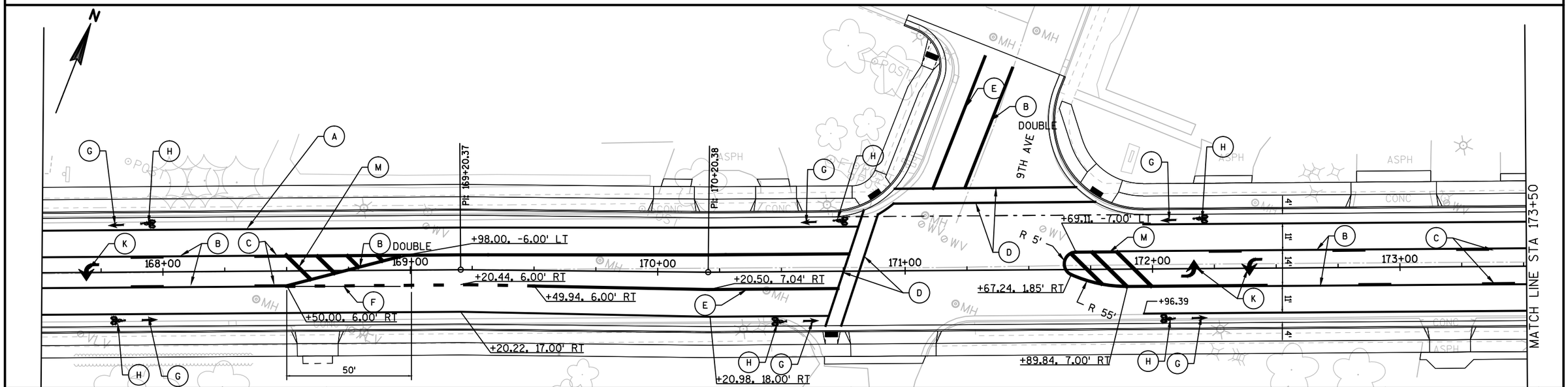
PROJECT NO: 6190-15-71	HWY: STH 116	COUNTY: WINNEBAGO	PAVEMENT MARKING	SHEET 116	E

FILE NAME : F:\TR\JOBS\E2073A13\CIVIL 3D 2014\SHEETSPLAN\71 SHEETS\61901571-024501-PM.DWG
LAYOUT NAME - 61901571-024505-PM
61901571-024505-pm
PLOT DATE : 5/31/2017 11:35 AM PLOT BY : DREW BALKEN PLOT NAME : PLOT SCALE : **********
WISDOT/CADDS SHEET 44

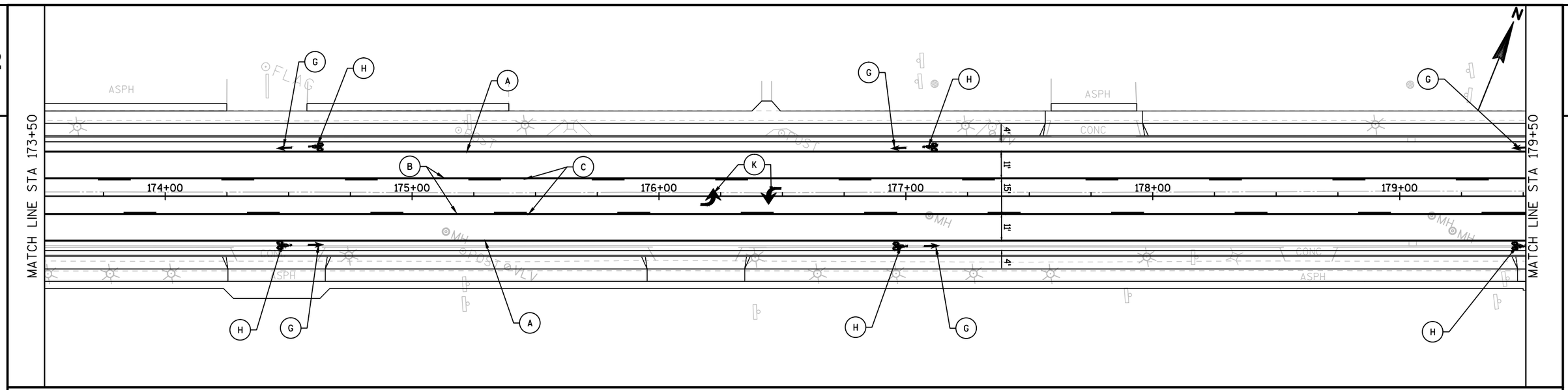


LEGEND

- (A) MARKING LINE EPOXY 4-INCH (WHITE)
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- (N) MARKING STOP LINE EPOXY 18-INCH

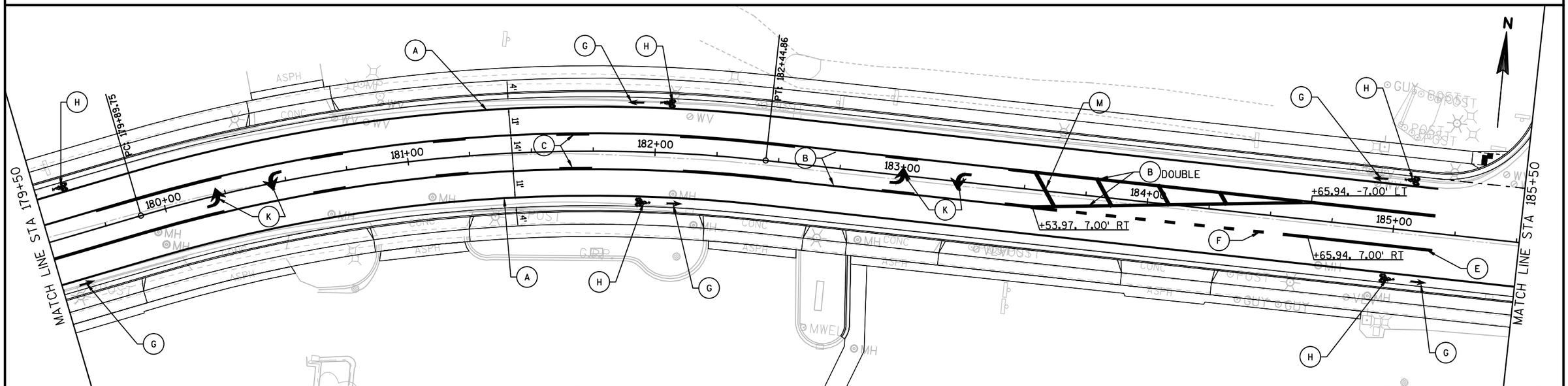


PROJECT NO: 6190-15-71	HWY: STH 116	COUNTY: WINNEBAGO	PAVEMENT MARKING	SHEET 117 E

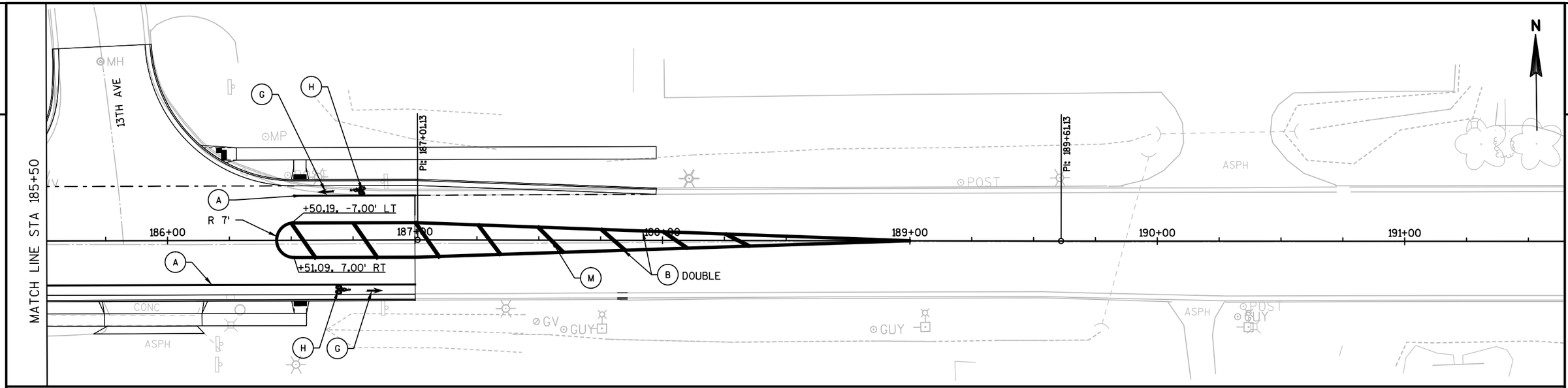


LEGEND

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- (K) MARKING ARROW EPOXY (WHITE)
- (M) MARKING DIAGONAL EPOXY 12-INCH (YELLOW)
- (N) MARKING STOP LINE EPOXY 18-INCH



PROJECT NO: 6190-15-71	HWY: STH 116	COUNTY: WINNEBAGO	PAVEMENT MARKING	SHEET 118	E



LEGEND

- (A) MARKING LINE EPOXY 4-INCH (WHITE)
- (B) MARKING LINE EPOXY 4-INCH (YELLOW)
- (C) MARKING LINE EPOXY 4-INCH (YELLOW) - 12.5' LINE, 37.5' GAP
- (D) MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH
- (E) MARKING LINE EPOXY 8-INCH (WHITE)
- (F) MARKING LINE EPOXY 8-INCH (WHITE) - 3' LINE, 9' GAP
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- (H) MARKING SYMBOL EPOXY BIKE LANE (WHITE)
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- (K) MARKING ARROW EPOXY (WHITE)
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- (N) MARKING STOP LINE EPOXY 18-INCH

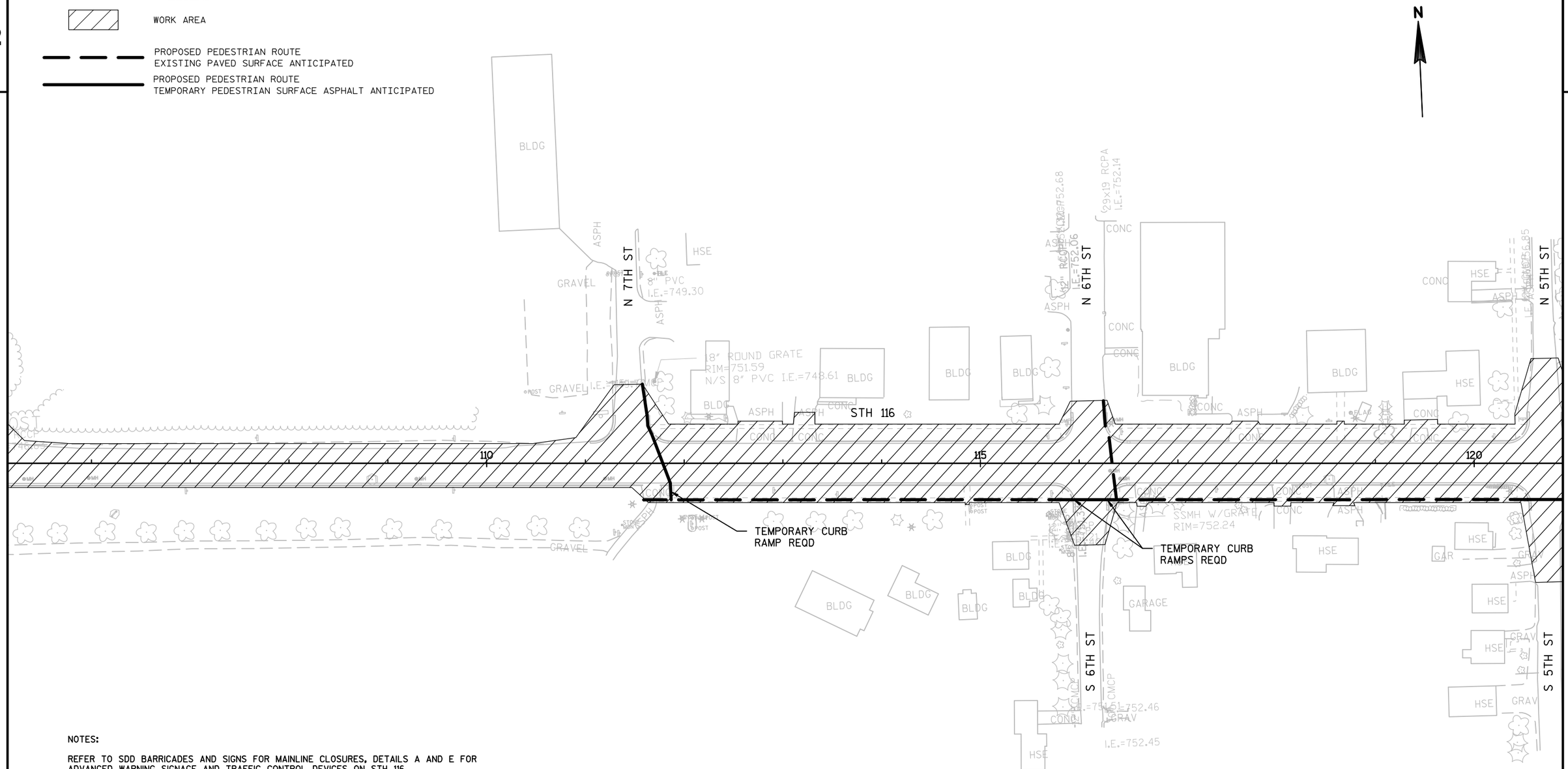
PROJECT NO: 6190-15-71	HWY: STH 116	COUNTY: WINNEBAGO	PAVEMENT MARKING	SHEET 119	E

LEGEND

WORK AREA

PROPOSED PEDESTRIAN ROUTE
EXISTING PAVED SURFACE ANTICIPATED

PROPOSED PEDESTRIAN ROUTE
TEMPORARY PEDESTRIAN SURFACE ASPHALT ANTICIPATED



NOTES:

REFER TO SDD BARRICADES AND SIGNS FOR MAINLINE CLOSURES, DETAILS A AND E FOR ADVANCED WARNING SIGNAGE AND TRAFFIC CONTROL DEVICES ON STH 116.

REFER TO SDD BARRICADES AND SIGNS FOR SIDEROAD CLOSURES FOR ADVANCED WARNING SIGNAGE AND TRAFFIC CONTROL DEVICES ON SIDEROADS. THE SPECIFIC DETAIL TO BE USED SHALL BE APPROVED BY THE ENGINEER AND CONFORM TO THE REQUIREMENTS PROVIDED IN THE SPECIAL PROVISIONS.

REFER TO SDD TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION FOR NECESSARY SIGNAGE AND DETAILS NEEDED TO ACCOMMODATE PEDESTRIANS THROUGHOUT THE WORK ZONE AS REQUIRED IN THE SPECIAL PROVISIONS.

DEVICES AND INSTALLATIONS NECESSARY TO PROVIDE PEDESTRIAN ACCOMMODATIONS ARE BASED ON ANTICIPATE CONTRACTOR WORK ACTIVITIES. THE FINAL LAYOUT OF SUCH ITEMS SHALL BE DETERMINED BY THE CONTRACTOR AND APPROVED BY THE ENGINEER.

MAINTAIN PEDESTRIAN ACCOMMODATIONS ALONG ONE SIDE OF STH 116 AT ALL TIMES UNTIL ACCOMMODATIONS CAN BE PROVIDED VIA PERMANENT SIDEWALK ON THE OTHER SIDE.

PROJECT NO: 6190-15-71	HWY: STH 116	COUNTY: WINNEBAGO	TRAFFIC CONTROL PLAN	SHEET 120	E

2

2

LEGEND

WORK AREA

PROPOSED PEDESTRIAN ROUTE
EXISTING PAVED SURFACE ANTICIPATED

PROPOSED PEDESTRIAN ROUTE
TEMPORARY PEDESTRIAN SURFACE ASPHALT ANTICIPATED

N

N 5TH ST
N 4TH ST
N 3RD ST
N 2ND ST
N 1ST ST
S 5TH ST
S 4TH ST
S 3RD ST
S 2ND ST
S 1ST ST

STH 116

120
125
130
135

TEMPORARY CURB RAMPS REQD

TEMPORARY PEDESTRIAN SAFETY FENCE REQD
N 3RD ST-N 2ND ST

TEMPORARY PEDESTRIAN SAFETY FENCE REQD
N 2ND ST-STA 132+60

TEMPORARY CURB RAMPS REQD

TEMPORARY CURB RAMPS REQD

TEMPORARY CURB RAMPS REQD

TEMPORARY CURB RAMPS REQD

TEMPORARY PEDESTRIAN SAFETY FENCE REQD
S 3RD ST-S 2ND ST

TEMPORARY PEDESTRIAN SAFETY FENCE REQD
S 2ND ST-STA 132+60

TEMPORARY CURB RAMPS REQD

LIMITS OF PROJECT ID
6190-15-71/73

LIMITS OF PROJECT ID
6190-15-72/74
(WORK BY OTHERS)

NOTES:

REFER TO SDD BARRICADES AND SIGNS FOR MAINLINE CLOSURES, DETAILS A AND E FOR ADVANCED WARNING SIGNAGE AND TRAFFIC CONTROL DEVICES ON STH 116.

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MAINTAIN PEDESTRIAN ACCOMMODATIONS ALONG ONE SIDE OF STH 116 AT ALL TIMES UNTIL ACCOMMODATIONS CAN BE PROVIDED VIA PERMANENT SIDEWALK ON THE OTHER SIDE.

PROJECT NO: 6190-15-71	HWY: STH 116	COUNTY: WINNEBAGO	TRAFFIC CONTROL PLAN	SHEET 121	E

2

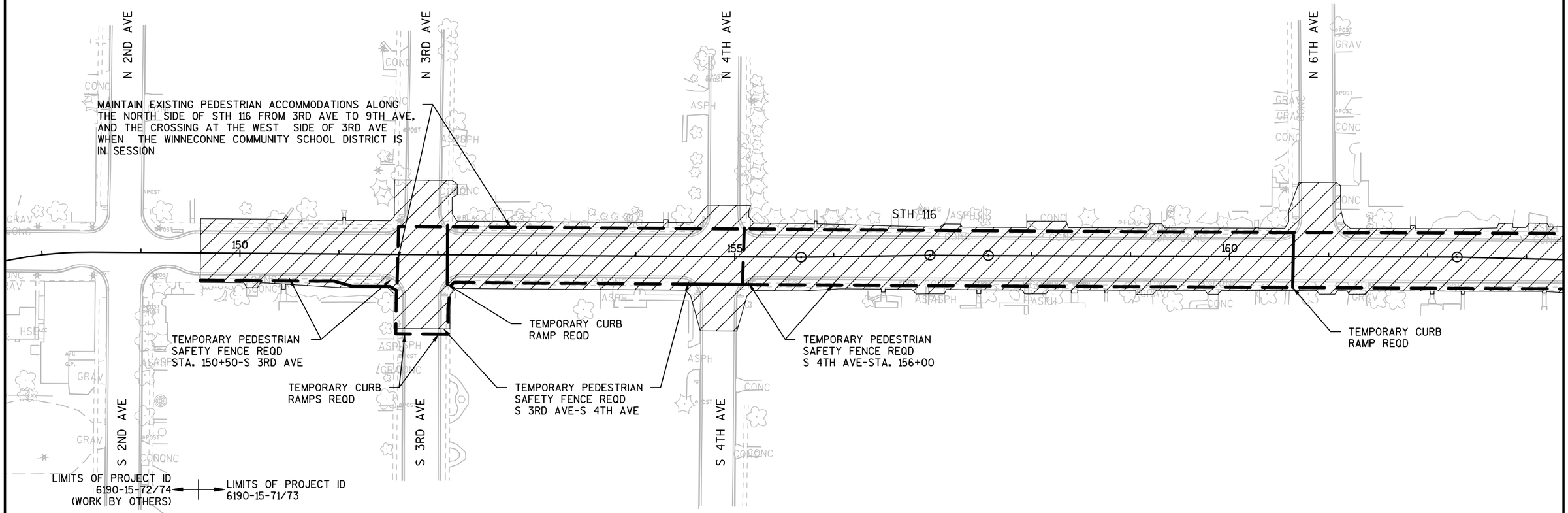
LEGEND

WORK AREA

PROPOSED PEDESTRIAN ROUTE
EXISTING PAVED SURFACE ANTICIPATED

PROPOSED PEDESTRIAN ROUTE
TEMPORARY PEDESTRIAN SURFACE ASPHALT ANTICIPATED

N



NOTES:

REFER TO SDD BARRICADES AND SIGNS FOR MAINLINE CLOSURES, DETAILS A AND E FOR ADVANCED WARNING SIGNAGE AND TRAFFIC CONTROL DEVICES ON STH 116.

REFER TO SDD BARRICADES AND SIGNS FOR SIDEROAD CLOSURES FOR ADVANCED WARNING SIGNAGE AND TRAFFIC CONTROL DEVICES ON SIDEROADS. THE SPECIFIC DETAIL TO BE USED SHALL BE APPROVED BY THE ENGINEER AND CONFORM TO THE REQUIREMENTS PROVIDED IN THE SPECIAL PROVISIONS.

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MAINTAIN PEDESTRIAN ACCOMMODATIONS ALONG ONE SIDE OF STH 116 AT ALL TIMES UNTIL ACCOMMODATIONS CAN BE PROVIDED VIA PERMANENT SIDEWALK ON THE OTHER SIDE.

PROJECT NO: 6190-15-71	HWY: STH 116	COUNTY: WINNEBAGO	TRAFFIC CONTROL PLAN	SHEET 122	E

2

2

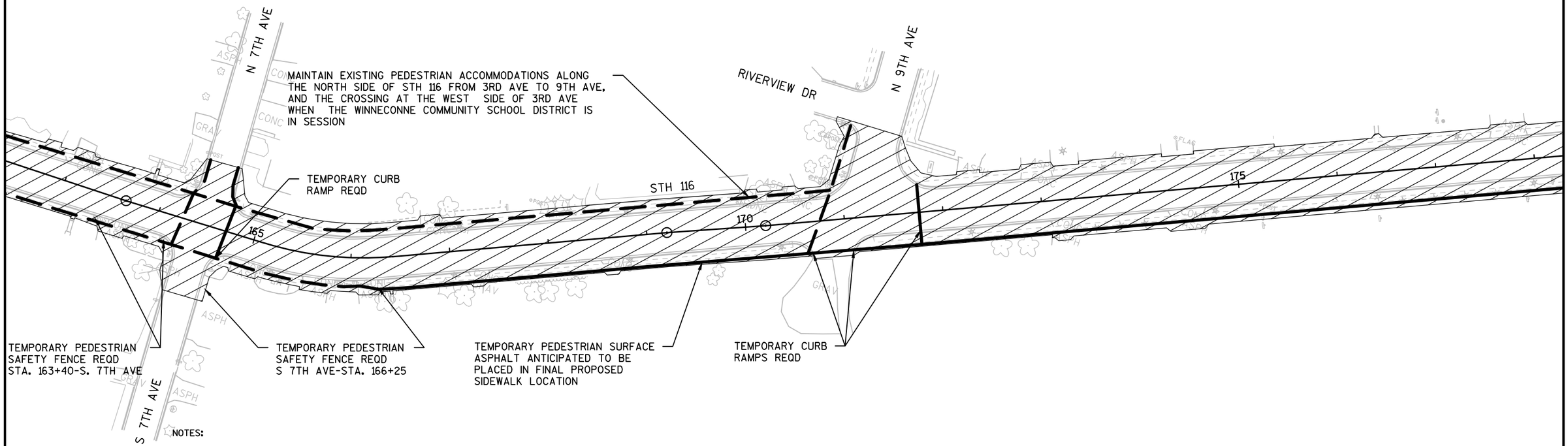
LEGEND

WORK AREA

PROPOSED PEDESTRIAN ROUTE
EXISTING PAVED SURFACE ANTICIPATED

PROPOSED PEDESTRIAN ROUTE
TEMPORARY PEDESTRIAN SURFACE ASPHALT ANTICIPATED

N



NOTES:

REFER TO SDD BARRICADES AND SIGNS FOR MAINLINE CLOSURES, DETAILS A AND E FOR ADVANCED WARNING SIGNAGE AND TRAFFIC CONTROL DEVICES ON STH 116.

REFER TO SDD BARRICADES AND SIGNS FOR SIDEROAD CLOSURES FOR ADVANCED WARNING SIGNAGE AND TRAFFIC CONTROL DEVICES ON SIDEROADS. THE SPECIFIC DETAIL TO BE USED SHALL BE APPROVED BY THE ENGINEER AND CONFORM TO THE REQUIREMENTS PROVIDED IN THE SPECIAL PROVISIONS.

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PROJECT NO: 6190-15-71	HWY: STH 116	COUNTY: WINNEBAGO	TRAFFIC CONTROL PLAN	SHEET 123	E

2

2

LEGEND

WORK AREA

PROPOSED PEDESTRIAN ROUTE
EXISTING PAVED SURFACE ANTICIPATED

PROPOSED PEDESTRIAN ROUTE
TEMPORARY PEDESTRIAN SURFACE ASPHALT ANTICIPATED

N

INSTALL BELOW EXISTING 'STOP' SIGN ON EXISTING POLE

STOP
ALL WAY
R1-3-P
18"X6"

N 13TH AVE

STH 116

STOP
R1-1
30"X30"
ALL WAY
R1-3-P
18"X6"

16"X16" SIGN FLAGS ARE INCIDENTAL TO THE TRAFFIC CONTROL SIGNS BID ITEM

W03-1

180

185

190

ASPH

GRAV

REFER TO THE SPECIAL PROVISIONS FOR TRAFFIC REQUIREMENTS AT THE STH 116 / 13TH AVE INTERSECTION

ROAD CLOSED TO THRU TRAFFIC
R11-4
60"X30"

STOP
R1-1
30"X30"
ALL WAY
R1-3-P
18"X6"

NOTES:

REFER TO SDD BARRICADES AND SIGNS FOR MAINLINE CLOSURES, DETAILS A AND E FOR ADVANCED WARNING SIGNAGE AND TRAFFIC CONTROL DEVICES ON STH 116.

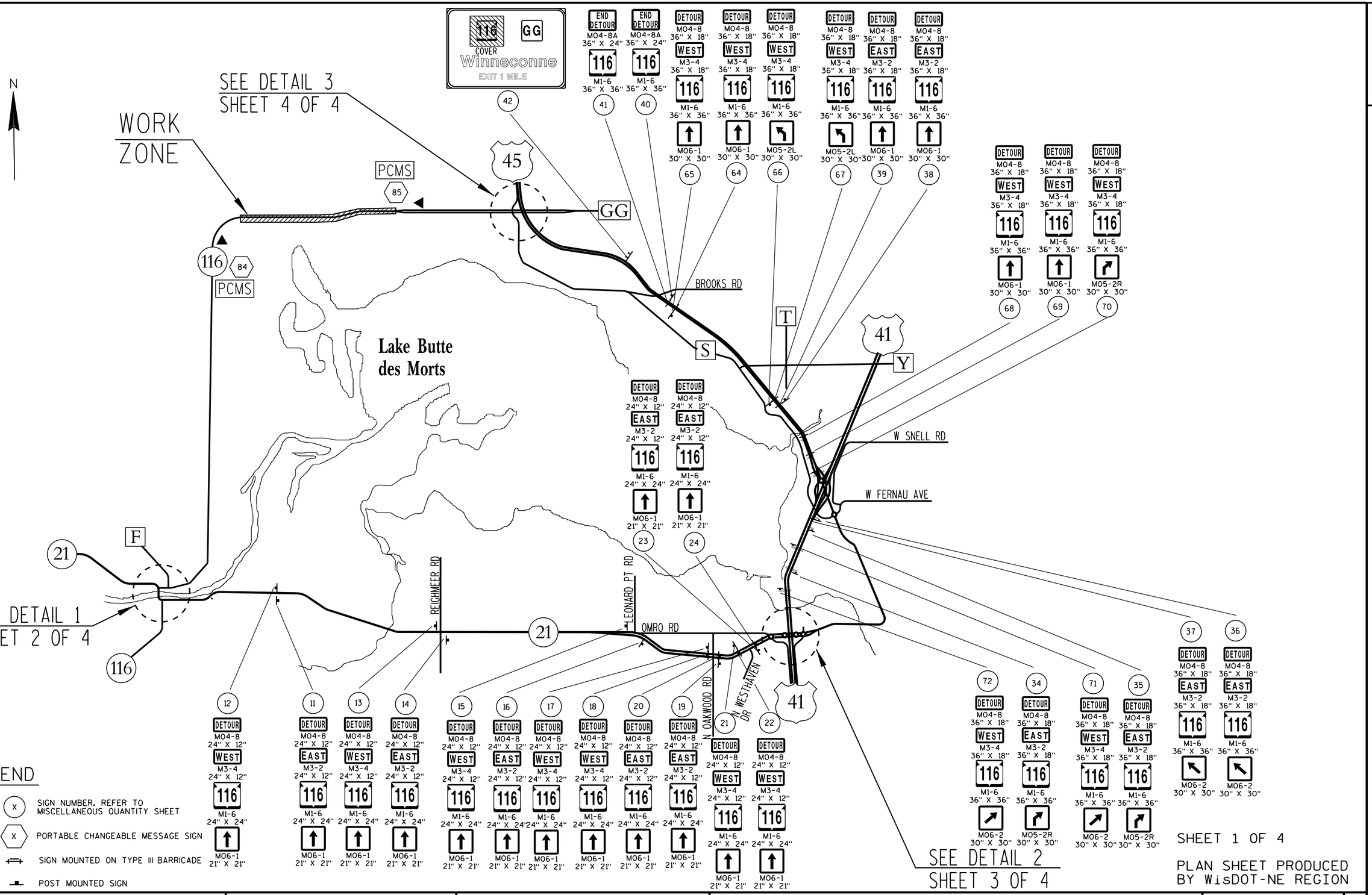
REFER TO SDD BARRICADES AND SIGNS FOR SIDEROAD CLOSURES FOR ADVANCED WARNING SIGNAGE AND TRAFFIC CONTROL DEVICES ON SIDEROADS. THE SPECIFIC DETAIL TO BE USED SHALL BE APPROVED BY THE ENGINEER AND CONFORM TO THE REQUIREMENTS PROVIDED IN THE SPECIAL PROVISIONS.

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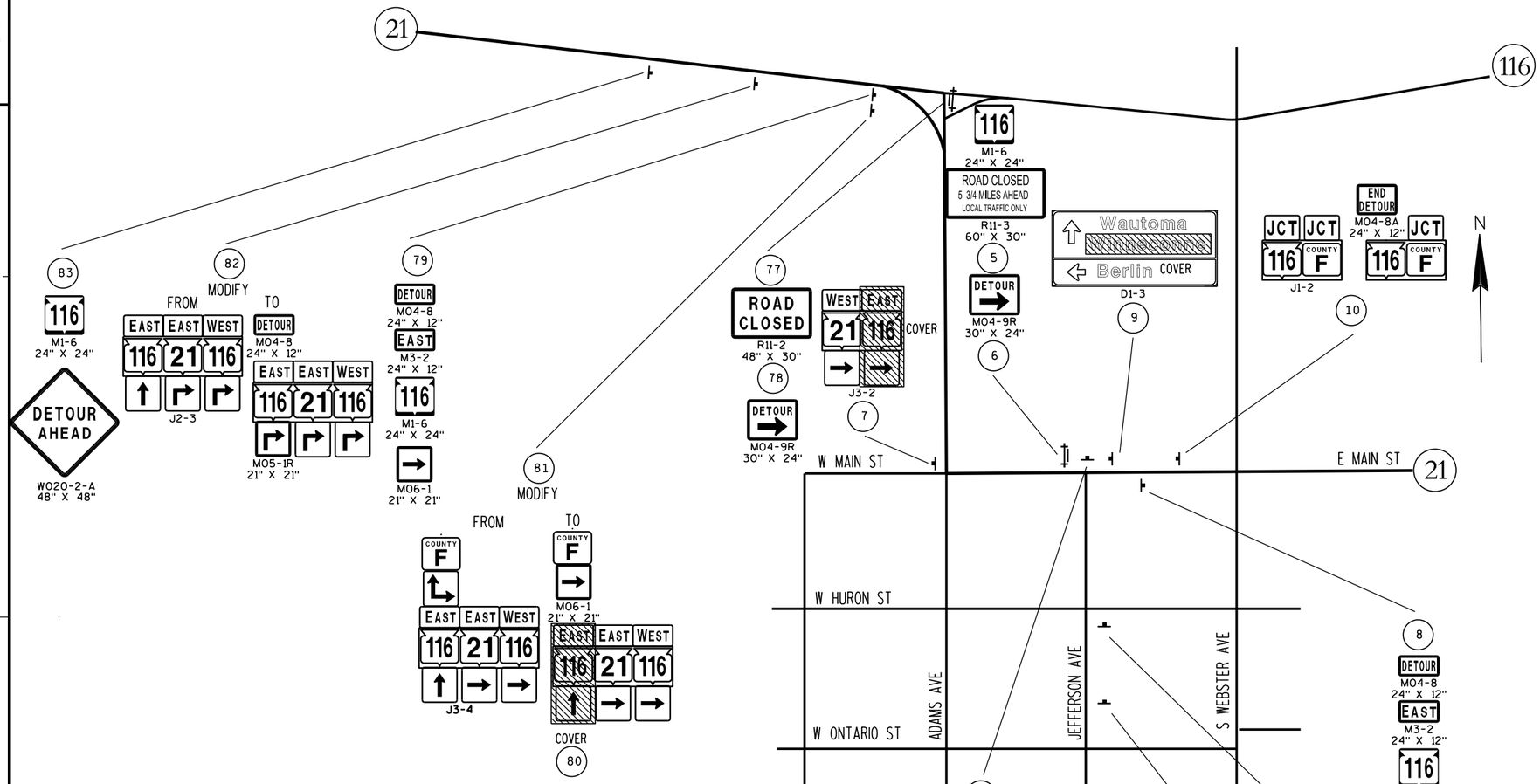
DEVICES AND INSTALLATIONS NECESSARY TO PROVIDE PEDESTRIAN ACCOMMODATIONS ARE BASED ON ANTICIPATE CONTRACTOR WORK ACTIVITIES. THE FINAL LAYOUT OF SUCH ITEMS SHALL BE DETERMINED BY THE CONTRACTOR AND APPROVED BY THE ENGINEER.

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PROJECT NO: 6190-15-71	HWY: STH 116	COUNTY: WINNEBAGO	TRAFFIC CONTROL PLAN	SHEET 124	E



PROJECT NO: 6190-15-71	HWY: STH 116	COUNTY: WINNEBAGO	DETOUR SIGNING DETAIL-STH 116 CLOSED	SHEET 125	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 1

SHEET 2 OF 4

PLAN SHEET PRODUCED BY WisDOT-NE REGION

PROJECT NO: 6190-15-71	HWY: STH 116	COUNTY: WINNEBAGO	DETOUR SIGNING DETAIL-STH 116 CLOSED	SHEET 126 E

2

N

DETOUR M04-8 36" X 18" / WEST M3-4 36" X 18" / 116 M1-6 36" X 36" / M06-1 30" X 30" — 56

116 COVER G Winneconne — 58

DETOUR M04-8 36" X 18" / WEST M3-4 36" X 18" / 116 M1-6 36" X 36" / M06-1 30" X 30" — 54

DETOUR M04-8 36" X 18" / WEST M3-4 36" X 18" / 116 M1-6 36" X 36" / M06-1 30" X 30" — 52

116 M1-6 36" X 36" / DETOUR AHEAD / W020-2-A 48" X 48" — 50

116 COVER G Winneconne EXIT 1 MILE — 49

45

116 M1-6 36" X 36" / DETOUR AHEAD / W020-2-A 48" X 48" — 51

DETOUR M04-8 36" X 18" / WEST M3-4 36" X 18" / 116 M1-6 36" X 36" / M06-1 30" X 30" — 53

DETOUR M04-8 36" X 18" / WEST M3-4 36" X 18" / 116 M1-6 36" X 36" / M06-1 30" X 30" — 55

DETOUR M04-8 36" X 18" / WEST M3-4 36" X 18" / 116 M1-6 36" X 36" / M06-1 30" X 30" — 57

WEST 116 J4-1 COVER — 59

ROAD CLOSED 2 1/4 MILES AHEAD LOCAL TRAFFIC ONLY / R11-3 60" X 30" — 48

ROAD CLOSED 2 1/2 MILES AHEAD LOCAL TRAFFIC ONLY / R11-3 60" X 30" — 46

CROSS RD

CHRISTENSEN RD

MODIFY

FROM: SOUTH 45 | WEST 116 | NORTH 45 — J2-3

TO: DETOUR M04-8 24" X 12" / SOUTH 45 | WEST 116 | NORTH 45 — M05-1L 21" X 21" — 45

116

GG

KOLB RD

60 MODIFY

FROM: JCT | JCT | END — 45 | COUNTY GG | 116 — J1-3

TO: DETOUR M04-8 24" X 12" / WEST M3-4 24" X 12" / 116 M1-6 24" X 24" / M05-1R 21" X 21"

JCT | JCT — 45 | COUNTY GG — 116

61 DETOUR M04-8 24" X 12" / WEST M3-4 24" X 12" / 116 M1-6 24" X 24" / M05-1R 21" X 21"

47 DETOUR M04-8 24" X 12" / WEST M3-4 24" X 12" / 116 M1-6 24" X 24" / M06-1 21" X 21"

62 DETOUR M04-8 24" X 12" / WEST M3-4 24" X 12" / 116 M1-6 24" X 24" / M06-1 21" X 21"

S

63 DETOUR M04-8 24" X 12" / WEST M3-4 24" X 12" / 116 M1-6 24" X 24" / M06-1 30" X 30"

44 COVER WEST | EAST — 116 | COUNTY GG — J2-2

45

43

116 COVER G Winneconne

LEGEND

- (X) SIGN NUMBER, REFER TO MISCELLANEOUS QUANTITY SHEET
- ▲ PCMS (X) PORTABLE CHANGEABLE MESSAGE SIGN
- SIGN MOUNTED ON TYPE III BARRICADE
- POST MOUNTED SIGN

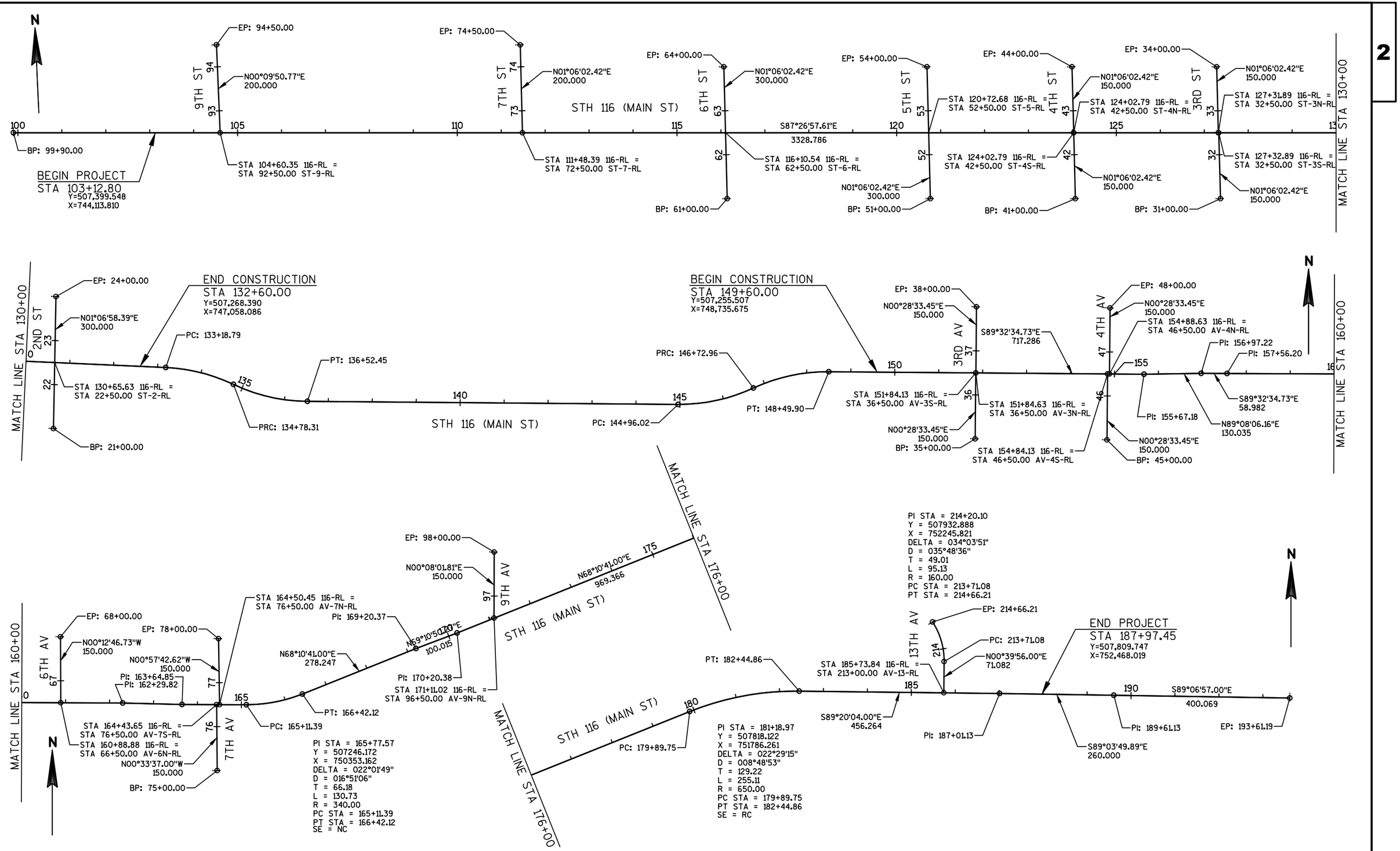
DETAIL 3

SHEET 4 OF 4

PLAN SHEET PRODUCED BY WisDOT-NE REGION

PROJECT NO: 6190-15-71	HWY: STH 116	COUNTY: WINNEBAGO	DETOUR SIGNING DETAIL-STH 116 CLOSED	SHEET 127	E

FILE NAME : N:\spo\traffic\A Work Zone\Detours\Winnebago County\STH 116\Village of Winneconne\027004_dt.dgn PLOT DATE : 10-JUN-2015 15:43 PLOT BY : dotj1f PLOT NAME : PLOT SCALE : 200:1



PROJECT NO: 6190-15-71	HWY: STH 116	COUNTY: WINNEBAGO	ALIGNMENT PLAN	SHEET 128 E

FILE NAME : F:\TR\JOBS\E2073A13\CIVIL 3D 2014\SHEETSPLAN\71 SHEETS\61901571-027201-AD.DWG
LAYOUT NAME - 61901571-027201-AD
PLOT DATE : 9/22/2017 6:49 PM PLOT BY : ANDREW WESTBROOK PLOT NAME : PLOT SCALE : 1 IN:200 FT
WISDOT/CADDS SHEET 42

					6190-15-71	6190-15-73
Line	**Item**	**Item Description**	**Unit**	**Total**	**Qty**	**Qty**
0002	201.0105	Clearing	STA	18.000	18.000	
0004	201.0120	Clearing	ID	6.000	6.000	
0006	201.0205	Grubbing	STA	18.000	18.000	
0008	201.0220	Grubbing	ID	6.000	6.000	
0010	204.0100	Removing Pavement	SY	1,660.000	1,660.000	
0012	204.0110	Removing Asphaltic Surface	SY	145.000	145.000	
0014	204.0150	Removing Curb & Gutter	LF	13,390.000	13,385.000	5.000
0016	204.0155	Removing Concrete Sidewalk	SY	6,742.000	6,730.000	12.000
0018	204.0195	Removing Concrete Bases	EACH	41.000	41.000	
0020	204.0210	Removing Manholes	EACH	50.000	32.000	18.000
0022	204.0220	Removing Inlets	EACH	49.000	49.000	
0024	204.0245	Removing Storm Sewer (size) 001. 8-Inch	LF	20.000	20.000	
0026	204.0245	Removing Storm Sewer (size) 002. 12-Inch	LF	1,961.000	1,961.000	
0028	204.0245	Removing Storm Sewer (size) 003. 15-Inch	LF	1,115.000	1,115.000	
0030	204.0245	Removing Storm Sewer (size) 004. 18-Inch	LF	344.000	344.000	
0032	204.0245	Removing Storm Sewer (size) 005. 21-Inch	LF	1,189.000	1,189.000	
0034	204.0245	Removing Storm Sewer (size) 006. 24-Inch	LF	56.000	56.000	
0036	204.0245	Removing Storm Sewer (size) 007. 30-Inch	LF	495.000	495.000	
0038	204.0245	Removing Storm Sewer (size) 008. 36-Inch	LF	686.000	686.000	
0040	204.0245	Removing Storm Sewer (size) 009. 42-Inch	LF	135.000	135.000	
0042	204.0250	Abandoning Manholes	EACH	1.000	1.000	
0044	204.0291.S	Abandoning Sewer	CY	131.000	130.000	1.000
0046	204.9060.S	Removing (item description) 001. Fire Hydrant	EACH	12.000		12.000
0048	204.9060.S	Removing (item description) 002. Valve and Box	EACH	42.000		42.000
0050	204.9060.S	Removing (item description) 003. Pole	EACH	1.000	1.000	
0052	204.9060.S	Removing (item description) 004. Existing Lighting Control	EACH	2.000	2.000	
0054	204.9090.S	Removing (item description) 001. Sanitary Sewer	LF	3,611.000		3,611.000
0056	205.0100	Excavation Common	CY	43,460.000	43,460.000	
0058	205.0501.S	Excavation, Hauling, and Disposal of Petroleum Contaminated Soil	TON	870.000	720.000	150.000
0060	209.2100	Backfill Granular Grade 2	CY	5,000.000	1,800.000	3,200.000
0062	213.0100	Finishing Roadway (project) 001. 6190-15-71	EACH	1.000	1.000	
0064	305.0110	Base Aggregate Dense 3/4-Inch	TON	1,296.000	1,296.000	
0066	305.0120	Base Aggregate Dense 1 1/4-Inch	TON	35,140.000	35,030.000	110.000
0068	310.0110	Base Aggregate Open-Graded	TON	32.000	32.000	
0070	311.0110	Breaker Run	TON	30,220.000	30,130.000	90.000
0072	416.0160	Concrete Driveway 6-Inch	SY	985.000	985.000	
0074	416.0180	Concrete Driveway 8-Inch	SY	535.000	535.000	
0076	416.0260	Concrete Driveway HES 6-Inch	SY	125.000	125.000	

					6190-15-71	6190-15-73
Line	**Item**	**Item Description**	**Unit**	**Total**	**Qty**	**Qty**
0078	416.0280	Concrete Driveway HES 8-Inch	SY	320.000	320.000	
0080	416.1010	Concrete Surface Drains	CY	3.000	3.000	
0082	440.4410	Incentive IRI Ride	DOL	5,142.000	5,142.000	
0084	455.0605	Tack Coat	GAL	4,409.000	4,409.000	
0086	460.2000	Incentive Density HMA Pavement	DOL	8,470.000	8,470.000	
0088	460.4110.S	Reheating HMA Pavement Longitudinal Joints	LF	78,846.000	78,846.000	
0090	460.6223	HMA Pavement 3 MT 58-28 S	TON	9,520.000	9,506.000	14.000
0092	460.6224	HMA Pavement 4 MT 58-28 S	TON	3,759.000	3,739.000	20.000
0094	465.0120	Asphaltic Surface Driveways and Field Entrances	TON	149.000	149.000	
0096	511.1100	Temporary Shoring	SF	250.000	250.000	
0098	520.8000	Concrete Collars for Pipe	EACH	5.000	5.000	
0100	522.1012	Apron Endwalls for Culvert Pipe Reinforced Concrete 12-Inch	EACH	1.000	1.000	
0102	522.1024	Apron Endwalls for Culvert Pipe Reinforced Concrete 24-Inch	EACH	1.000	1.000	
0104	522.1030	Apron Endwalls for Culvert Pipe Reinforced Concrete 30-Inch	EACH	1.000	1.000	
0106	522.1042	Apron Endwalls for Culvert Pipe Reinforced Concrete 42-Inch	EACH	1.000	1.000	
0108	601.0411	Concrete Curb & Gutter 30-Inch Type D	LF	12,777.000	12,772.000	5.000
0110	601.0557	Concrete Curb & Gutter 6-Inch Sloped 36-Inch Type D	LF	210.000	210.000	
0112	602.0405	Concrete Sidewalk 4-Inch	SF	50,738.000	50,630.000	108.000
0114	602.0415	Concrete Sidewalk 6-Inch	SF	8,560.000	8,560.000	
0116	602.0515	Curb Ramp Detectable Warning Field Natural Patina	SF	646.000	646.000	
0118	602.0615	Curb Ramp Detectable Warning Field Radial Natural Patina	SF	36.000	36.000	
0120	602.1500	Concrete Steps	SF	6.000	6.000	
0122	608.0312	Storm Sewer Pipe Reinforced Concrete Class III 12-Inch	LF	1,004.000	1,004.000	
0124	608.0315	Storm Sewer Pipe Reinforced Concrete Class III 15-Inch	LF	356.000	356.000	
0126	608.0318	Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	LF	23.000	23.000	
0128	608.0321	Storm Sewer Pipe Reinforced Concrete Class III 21-Inch	LF	24.000	24.000	
0130	608.0324	Storm Sewer Pipe Reinforced Concrete Class III 24-Inch	LF	598.000	598.000	
0132	608.0327	Storm Sewer Pipe Reinforced Concrete Class III 27-Inch	LF	202.000	202.000	
0134	608.0330	Storm Sewer Pipe Reinforced Concrete Class III 30-Inch	LF	189.000	189.000	
0136	608.0342	Storm Sewer Pipe Reinforced Concrete Class III 42-	LF	963.000	963.000	

					6190-15-71	6190-15-73
Line	**Item**	**Item Description**	**Unit**	**Total**	**Qty**	**Qty**
		Inch				
0138	608.0412	Storm Sewer Pipe Reinforced Concrete Class IV 12-Inch	LF	1,049.000	1,049.000	
0140	608.0415	Storm Sewer Pipe Reinforced Concrete Class IV 15-Inch	LF	677.000	677.000	
0142	608.0418	Storm Sewer Pipe Reinforced Concrete Class IV 18-Inch	LF	92.000	92.000	
0144	608.0424	Storm Sewer Pipe Reinforced Concrete Class IV 24-Inch	LF	258.000	258.000	
0146	608.0427	Storm Sewer Pipe Reinforced Concrete Class IV 27-Inch	LF	525.000	525.000	
0148	608.0430	Storm Sewer Pipe Reinforced Concrete Class IV 30-Inch	LF	605.000	605.000	
0150	608.0436	Storm Sewer Pipe Reinforced Concrete Class IV 36-Inch	LF	471.000	471.000	
0152	608.0442	Storm Sewer Pipe Reinforced Concrete Class IV 42-Inch	LF	136.000	136.000	
0154	608.2429	Storm Sewer Pipe Reinforced Concrete Horizontal Elliptical Class HE-IV 29x45-Inch	LF	83.000	83.000	
0156	608.3012	Storm Sewer Pipe Class III-A 12-Inch	LF	36.000	36.000	
0158	611.0530	Manhole Covers Type J	EACH	33.000	33.000	
0160	611.0612	Inlet Covers Type C	EACH	12.000	12.000	
0162	611.0624	Inlet Covers Type H	EACH	41.000	41.000	
0164	611.0639	Inlet Covers Type H-S	EACH	31.000	31.000	
0166	611.1004	Catch Basins 4-FT Diameter	EACH	5.000	5.000	
0168	611.1230	Catch Basins 2x3-FT	EACH	67.000	67.000	
0170	611.2004	Manholes 4-FT Diameter	EACH	4.000	4.000	
0172	611.2005	Manholes 5-FT Diameter	EACH	20.000	20.000	
0174	611.2006	Manholes 6-FT Diameter	EACH	7.000	7.000	
0176	611.2007	Manholes 7-FT Diameter	EACH	3.000	3.000	
0178	611.3003	Inlets 3-FT Diameter	EACH	11.000	11.000	
0180	611.8110	Adjusting Manhole Covers	EACH	9.000		9.000
0182	612.0106	Pipe Underdrain 6-Inch	LF	430.000	430.000	
0184	612.0902.S	Insulation Board Polystyrene (inch) 001. 2-Inch	SY	166.000		166.000
0186	619.1000	Mobilization	EACH	1.000	0.750	0.250
0188	624.0100	Water	MGAL	926.000	926.000	
0190	625.0100	Topsoil	SY	21,115.000	20,990.000	125.000
0192	628.1504	Silt Fence	LF	1,480.000	1,480.000	
0194	628.1520	Silt Fence Maintenance	LF	1,480.000	1,480.000	
0196	628.1905	Mobilizations Erosion Control	EACH	6.000	6.000	
0198	628.1910	Mobilizations Emergency Erosion Control	EACH	3.000	3.000	
0200	628.2006	Erosion Mat Urban Class I Type A	SY	21,115.000	20,990.000	125.000

					6190-15-71	6190-15-73
Line	**Item**	**Item Description**	**Unit**	**Total**	**Qty**	**Qty**
0202	628.7005	Inlet Protection Type A	EACH	90.000	90.000	
0204	628.7010	Inlet Protection Type B	EACH	20.000	20.000	
0206	628.7015	Inlet Protection Type C	EACH	60.000	60.000	
0208	628.7020	Inlet Protection Type D	EACH	15.000	15.000	
0210	628.7504	Temporary Ditch Checks	LF	50.000	50.000	
0212	628.7555	Culvert Pipe Checks	EACH	3.000	3.000	
0214	629.0210	Fertilizer Type B	CWT	13.280	13.200	0.080
0216	630.0140	Seeding Mixture No. 40	LB	380.000	378.000	2.000
0218	630.0200	Seeding Temporary	LB	57.000	57.000	
0220	634.0614	Posts Wood 4x6-Inch X 14-FT	EACH	35.000	35.000	
0222	634.0616	Posts Wood 4x6-Inch X 16-FT	EACH	10.000	10.000	
0224	637.2210	Signs Type II Reflective H	SF	213.100	213.100	
0226	637.2230	Signs Type II Reflective F	SF	100.000	100.000	
0228	638.2602	Removing Signs Type II	EACH	47.000	47.000	
0230	638.3000	Removing Small Sign Supports	EACH	44.000	44.000	
0232	642.5401	Field Office Type D	EACH	1.000	1.000	
0234	643.0300	Traffic Control Drums	DAY	24,865.000	24,865.000	
0236	643.0310.S	Temporary Portable Rumble Strips	LS	1.000	1.000	
0238	643.0410	Traffic Control Barricades Type II	DAY	3,140.000	3,140.000	
0240	643.0420	Traffic Control Barricades Type III	DAY	12,793.000	12,793.000	
0242	643.0705	Traffic Control Warning Lights Type A	DAY	14,420.000	14,420.000	
0244	643.0900	Traffic Control Signs	DAY	72,470.000	72,470.000	
0246	643.0910	Traffic Control Covering Signs Type I	EACH	4.000	4.000	
0248	643.0920	Traffic Control Covering Signs Type II	EACH	6.000	6.000	
0250	643.1050	Traffic Control Signs PCMS	DAY	28.000	28.000	
0252	643.5000	Traffic Control 001. 6190-15-71	EACH	1.000	1.000	
0254	644.1410.S	Temporary Pedestrian Surface Asphalt	SF	14,860.000	14,860.000	
0256	644.1601.S	Temporary Curb Ramp	EACH	27.000	27.000	
0258	644.1616.S	Temporary Pedestrian Safety Fence	LF	1,780.000	1,780.000	
0260	645.0111	Geotextile Type DF Schedule A	SY	239.000	239.000	
0262	645.0140	Geotextile Type SAS	SY	4,400.000	4,400.000	
0264	646.1020	Marking Line Epoxy 4-Inch	LF	26,276.000	26,276.000	
0266	646.3020	Marking Line Epoxy 8-Inch	LF	926.000	926.000	
0268	646.5020	Marking Arrow Epoxy	EACH	70.000	70.000	
0270	646.5120	Marking Word Epoxy	EACH	3.000	3.000	
0272	646.5220	Marking Symbol Epoxy	EACH	60.000	60.000	
0274	646.6120	Marking Stop Line Epoxy 18-Inch	LF	45.000	45.000	
0276	646.7120	Marking Diagonal Epoxy 12-Inch	LF	272.000	272.000	
0278	646.7420	Marking Crosswalk Epoxy Transverse Line 6-Inch	LF	1,294.000	1,294.000	
0280	646.8320	Marking Parking Stall Epoxy	LF	286.000	286.000	

					6190-15-71	6190-15-73
Line	**Item**	**Item Description**	**Unit**	**Total**	**Qty**	**Qty**
0282	650.4000	Construction Staking Storm Sewer	EACH	121.000	121.000	
0284	650.4500	Construction Staking Subgrade	LF	7,484.000	7,484.000	
0286	650.5000	Construction Staking Base	LF	7,484.000	7,484.000	
0288	650.5500	Construction Staking Curb Gutter and Curb & Gutter	LF	13,418.000	13,418.000	
0290	650.8500	Construction Staking Electrical Installations (project) 001. 6190-15-71	LS	1.000	1.000	
0292	650.9910	Construction Staking Supplemental Control (project) 001. 6190-15-71	LS	1.000	1.000	
0294	650.9920	Construction Staking Slope Stakes	LF	7,824.000	7,824.000	
0296	652.0225	Conduit Rigid Nonmetallic Schedule 40 2-Inch	LF	5,880.000	5,880.000	
0298	653.0164	Pull Boxes Non-Conductive 24x42-Inch	EACH	9.000	9.000	
0300	653.0905	Removing Pull Boxes	EACH	2.000	2.000	
0302	654.0105	Concrete Bases Type 5	EACH	24.000	24.000	
0304	654.0230	Concrete Control Cabinet Bases Type L30	EACH	1.000	1.000	
0306	655.0610	Electrical Wire Lighting 12 AWG	LF	5,040.000	5,040.000	
0308	655.0615	Electrical Wire Lighting 10 AWG	LF	16,600.000	16,600.000	
0310	655.0620	Electrical Wire Lighting 8 AWG	LF	28,831.000	28,831.000	
0312	656.0200	Electrical Service Meter Breaker Pedestal (location) 001. CB300	LS	1.000	1.000	
0314	659.2130	Lighting Control Cabinets 120/240 30-Inch	EACH	1.000	1.000	
0316	690.0150	Sawing Asphalt	LF	3,785.000	3,450.000	335.000
0318	690.0250	Sawing Concrete	LF	1,857.000	1,820.000	37.000
0320	ASP.1T0A	On-the-Job Training Apprentice at $5.00/HR	HRS	2,400.000	2,400.000	
0322	ASP.1T0G	On-the-Job Training Graduate at $5.00/HR	HRS	2,100.000	2,100.000	
0324	SPV.0060	Special 001. Remove and Reinstall Bollard	EACH	6.000	6.000	
0326	SPV.0060	Special 002. Remove and Reinstall Bench	EACH	4.000	4.000	
0328	SPV.0060	Special 003. Remove and Reinstall Waste Receptacle	EACH	4.000	4.000	
0330	SPV.0060	Special 004. Remove and Reinstall Kiosk	EACH	1.000	1.000	
0332	SPV.0060	Special 005. Mini Storm Sewer Cleanouts	EACH	11.000		11.000
0334	SPV.0060	Special 006. Low Permeable Trench Plug	EACH	9.000		9.000
0336	SPV.0060	Special 007. Tree Trimming	EACH	20.000	20.000	
0338	SPV.0060	Special 100. Fire Hydrant	EACH	15.000		15.000
0340	SPV.0060	Special 101. Connect To Existing Water Main	EACH	20.000		20.000
0342	SPV.0060	Special 102. Water Main Bend 11.25 Degree 6-Inch	EACH	1.000		1.000
0344	SPV.0060	Special 103. Water Main Bend 11.25 Degree 12-Inch	EACH	10.000		10.000
0346	SPV.0060	Special 104. Water Main Bend 22.5 Degree 8-Inch	EACH	2.000		2.000
0348	SPV.0060	Special 105. Water Main Bend 22.5 Degree 12-Inch	EACH	9.000		9.000
0350	SPV.0060	Special 106. Water Main Bend 45 Degree 4-Inch	EACH	2.000		2.000
0352	SPV.0060	Special 107. Water Main Bend 45 Degree 6-Inch	EACH	15.000		15.000
0354	SPV.0060	Special 108. Water Main Bend 45 Degree 8-Inch	EACH	10.000		10.000

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Line	**Item**	**Item Description**	**Unit**	**Total**	**Qty**	**Qty**
0356	SPV.0060	Special 109 Water Main Bend 45 Degree 10-Inch	EACH	1.000		1.000
0358	SPV.0060	Special 110. Water Main Bend 45 Degree 12-Inch	EACH	2.000		2.000
0360	SPV.0060	Special 111. Water Main Reducer 12x6-Inch	EACH	1.000		1.000
0362	SPV.0060	Special 112. Water Main Reducer 12x8-Inch	EACH	2.000		2.000
0364	SPV.0060	Special 113. Water Main Bend 90 Degree 8-Inch	EACH	2.000		2.000
0366	SPV.0060	Special 114. Water Main Tee 8x6-Inch	EACH	2.000		2.000
0368	SPV.0060	Special 115. Water Main Reducer 8x6-Inch	EACH	6.000		6.000
0370	SPV.0060	Special 116. Water Main Tee 12x6-Inch	EACH	16.000		16.000
0372	SPV.0060	Special 117. Water Main Tee 12x8-Inch	EACH	4.000		4.000
0374	SPV.0060	Special 118. Water Main Tee 12x10-Inch	EACH	1.000		1.000
0376	SPV.0060	Special 119. Water Main Tee 12x12-Inch	EACH	1.000		1.000
0378	SPV.0060	Special 120. Water Main Reducer 6x4-Inch	EACH	1.000		1.000
0380	SPV.0060	Special 121. Water Main Cross 12x8-Inch	EACH	4.000		4.000
0382	SPV.0060	Special 122. Water Main Cross 12x12-Inch	EACH	1.000		1.000
0384	SPV.0060	Special 124. Water Main Valve and Box 6-Inch	EACH	19.000		19.000
0386	SPV.0060	Special 125. Water Main Valve and Box 8-Inch	EACH	13.000		13.000
0388	SPV.0060	Special 126. Water Main Valve and Box 10-Inch	EACH	1.000		1.000
0390	SPV.0060	Special 127. Water Main Valve and Box 12-Inch	EACH	27.000		27.000
0392	SPV.0060	Special 128. Corporation, Curb Stop, and Box (Set)	EACH	60.000		60.000
0394	SPV.0060	Special 200. Standard Sanitary Pipe Connection	EACH	6.000		6.000
0396	SPV.0060	Special 201. Sanitary Wye 8-Inch Main	EACH	36.000		36.000
0398	SPV.0060	Special 202. Sanitary Wye 12-Inch Main	EACH	1.000		1.000
0400	SPV.0060	Special 203. Sanitary Manhole Covers Type J Special	EACH	19.000		19.000
0402	SPV.0060	Special 204. Internal Chimney Seal 1-Piece	EACH	19.000		19.000
0404	SPV.0060	Special 205. Internal Chimney Seal 2-Piece	EACH	9.000		9.000
0406	SPV.0060	Special 311. Remove and Salvage Decorative Street Light Assembly	EACH	30.000	30.000	
0408	SPV.0060	Special 312. Reinstall Salvaged Decorative Street Light Assembly	EACH	24.000	24.000	
0410	SPV.0060	Special 313. Decorative Luminaire - Type A	EACH	32.000	32.000	
0412	SPV.0060	Special 314. Decorative Luminaire - Type B	EACH	6.000	6.000	
0414	SPV.0075	Special 001. Street Sweeping	HRS	130.000	130.000	
0416	SPV.0090	Special 001. Mini Storm Lateral 4-Inch	LF	1,075.000	10.000	1,065.000
0418	SPV.0090	Special 002. Mini Storm Trunk 6-Inch	LF	1,802.000	57.000	1,745.000
0420	SPV.0090	Special 003. Concrete Curb and Gutter HES 30-Inch Type D	LF	376.000	376.000	
0422	SPV.0090	Special 004. Concrete Curb and Gutter Special 24-Inch Type D	LF	60.000	60.000	
0424	SPV.0090	Special 100. Water Main 4-Inch	LF	9.000		9.000
0426	SPV.0090	Special 101. Water Main 6-Inch	LF	417.000		417.000
0428	SPV.0090	Special 102. Water Main 8-Inch	LF	911.000		911.000

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Line	**Item**	**Item Description**	**Unit**	**Total**	**Qty**	**Qty**
0430	SPV.0090	Special 103. Water Main 10-Inch	LF	70.000		70.000
0432	SPV.0090	Special 104. Water Main 12-Inch	LF	6,599.000		6,599.000
0434	SPV.0090	Special 105. Water Main 6-Inch Contaminated Soils	LF	34.000		34.000
0436	SPV.0090	Special 106. Water Main 8-Inch Contaminated Soils	LF	178.000		178.000
0438	SPV.0090	Special 107. Water Main 12-Inch Contaminated Soils	LF	299.000		299.000
0440	SPV.0090	Special 108. Water Service 1-Inch	LF	2,281.000		2,281.000
0442	SPV.0090	Special 200. Sanitary Sewer Pipe 8-Inch	LF	3,595.000		3,595.000
0444	SPV.0090	Special 201. Sanitary Sewer Pipe 12-Inch	LF	146.000		146.000
0446	SPV.0090	Special 202. Sanitary Sewer Pipe 15-Inch	LF	50.000		50.000
0448	SPV.0090	Special 203. Sanitary Sewer Lateral 4 Or 6-Inch	LF	1,270.000		1,270.000
0450	SPV.0105	Special 001. Seismograph / Vibration Monitoring	LS	1.000	1.000	
0452	SPV.0105	Special 100. Construction Staking Miscellaneous Village Utilities	LS	1.000		1.000
0454	SPV.0120	Special 001. Water For Seeded Areas	MGAL	460.000	460.000	
0456	SPV.0200	Special 200. Sanitary Manhole	VF	125.600		125.600

CLEARING AND GRUBBING

STATION	OFFSET FT	DIR	ROADWAY	201.0105 CLEARING STA	201.0120 CLEARING ID	201.0205 GRUBBING STA	201.0220 GRUBBING ID
PROJECT 6190-15-71							
CATEGORY 0010							
104+75 - 109+00	---	LT	STH 116	5	---	5	---
116+00 - 117+00	42'	RT	STH 116	1	---	1	---
119+00 - 120+00	30'	LT	STH 116	1	---	1	---
150+00 - 151+00	34'	LT	STH 116	1	---	1	---
152+00 - 154+00	33'	LT	STH 116	2	---	2	---
157+00 - 159+00	37'	RT	STH 116	2	---	2	---
160+00 - 161+00	38'	RT	STH 116	1	---	1	---
163+90	38'	LT	STH 116	---	6	---	6
167+00 - 169+00	35'	RT	STH 116	2	---	2	---
168+00 - 170+35	38'	LT	STH 116	3	---	3	---
			PROJECT TOTALS	18	6	18	6

REMOVING ASPHALTIC SURFACE

STATION TO STATION	ROADWAY	204.0110 SY	COMMENT
PROJECT 6190-15-71			
CATEGORY 0010			
KWIK TRIP SS OUTFALL		145	

PROJECT TOTAL 145

REMOVING POLES

LOCATION	204.0195 REMOVING CONCRETE BASES EA	204.9060.S.003 REMOVING POLE EA	COMMENTS
PROJECT 6190-15-71			
CATEGORY 0010			
STA 165+35, 34' RT, STH 116	1	1	LIGHT POLE
PROJECT TOTALS	1*	1	

*ADDITIONAL QTY IN STREETSCAPE ELEMENTS TABLE

REMOVING PAVEMENT

STATION TO STATION	ROADWAY	204.0100 SY
PROJECT 6190-15-71		
CATEGORY 0010		
127+70-132+60	STH 116	1,660

PROJECT TOTAL 1,660

REMOVING CURB AND GUTTER

STATION	TO	STATION	ROADWAY	204.0150 LF
PROJECT 6190-15-71				
CATEGORY 0010				
100+00	-	103+13	STH 116	---
103+13	-	108+75	STH 116	575
108+75	-	114+75	STH 116	970
114+75	-	120+75	STH 116	1,200
120+75	-	126+75	STH 116	1,210
126+75	-	132+60	STH 116	1,410
149+60	-	155+50	STH 116	1,350
155+50	-	161+50	STH 116	1,260
161+50	-	167+50	STH 116	1,285
167+50	-	173+50	STH 116	1,235
173+50	-	179+50	STH 116	1,200
179+50	-	185+50	STH 116	1,270
185+50	-	188+00	STH 116	420

PROJECT TOTAL 13,385

ABANDONING SEWER

LOCATION	204.0291.S ABANDONING SEWER CY	COMMENTS
PROJECT 6190-15-71		
CATEGORY 0010		
STA 100+00 - 103+13, 19' RT, STH 116	115	WEST OUTFALL
STA 182+90, 140' RT, STH 116	15	KWIK TRIP OUTFALL
PROJECT TOTALS	130	

REMOVING CONCRETE SIDEWALK

STATION	TO	STATION	ROADWAY	204.0155 SY
PROJECT 6190-15-71				
CATEGORY 0010				
100+00	-	103+13	STH 116	---
103+13	-	108+75	STH 116	---
108+75	-	114+75	STH 116	395
114+75	-	120+75	STH 116	655
120+75	-	126+75	STH 116	800
126+75	-	132+60	STH 116	1,260
149+60	-	155+50	STH 116	565
155+50	-	161+50	STH 116	685
161+50	-	167+50	STH 116	600
167+50	-	173+50	STH 116	605
173+50	-	179+50	STH 116	605
179+50	-	185+50	STH 116	510
185+50	-	188+00	STH 116	50

PROJECT TOTAL 6,730

REMOVING STORMSEWER

STATION		TO STATION	ROADWAY	204.0245.001 REMOVING STORM SEWER 8-INCH LF	204.0245.002 REMOVING STORM SEWER 12-INCH LF	204.0245.003 REMOVING STORM SEWER 15-INCH LF	204.0245.004 REMOVING STORM SEWER 18-INCH LF	204.0245.005 REMOVING STORM SEWER 21-INCH LF	204.0245.006 REMOVING STORM SEWER 24-INCH LF	204.0245.007 REMOVING STORM SEWER 30-INCH LF	204.0245.008 REMOVING STORM SEWER 36-INCH LF	204.0245.009 REMOVING STORM SEWER 42-INCH LF
PROJECT 6190-15-71												
CATEGORY 0010												
103+13	-	108+75	STH 116	---	8	---	---	88	---	---	425	135
108+75	-	114+75	STH 116	20	103	---	---	67	---	339	261	---
114+75	-	120+75	STH 116	---	222	94	---	445	---	156	---	---
120+75	-	126+75	STH 116	---	638	58	---	20	---	---	---	---
126+75	-	132+60	STH 116	---	56	24	215	---	---	---	---	---
149+60	-	155+50	STH 116	---	241	121	---	---	---	---	---	---
155+50	-	161+50	STH 116	---	95	11	---	---	---	---	---	---
161+50	-	167+50	STH 116	---	50	118	---	---	---	---	---	---
167+50	-	173+50	STH 116	---	98	277	---	---	---	---	---	---
173+50	-	179+50	STH 116	---	114	205	53	241	---	---	---	---
179+50	-	185+50	STH 116	---	109	207	76	328	---	---	---	---
185+50	-	188+00	STH 116	---	227	---	---	---	---	---	---	---
KWIK TRIP SS OUTFALL				---	---	---	---	---	56	---	---	---
			PROJECT TOTALS	20	1,961	1,115	344	1,189	56	495	686	135

STREETSCAPE ELEMENTS

STATION	OFFSET FT	DIR	ROADWAY	204.0195* REMOVING CONCRETE BASES EA	SPV.0060.001 REMOVE AND REINSTALL BOLLARD EA	SPV.0060.002 REMOVE AND REINSTALL BENCH EA	SPV.0060.003 REMOVE AND REINSTALL WASTE RECEPTACLE EA	SPV.0060.004 REMOVE AND REINSTALL KIOSK EA	COMMENT
PROJECT 6190-15-72									
CATEGORY 0010									
127+63	27	RT	STH 116	1	1	---	---	---	REINSTALL @ STH 116 STA 127+69.87, 26.19' RT
127+67	27	LT	STH 116	1	1	---	---	---	REINSTALL @ STH 116 STA 127+70.34, 25.63' LT
128+75	32	LT	STH 116	---	---	1	---	---	REINSTALL IN EXIST LOCATION
129+10	29	LT	STH 116	---	---	---	1	---	REINSTALL IN EXIST LOCATION
129+68	29	RT	STH 116	---	---	---	1	---	REINSTALL IN EXIST LOCATION
129+91	31	RT	STH 116	---	---	1	---	---	REINSTALL IN EXIST LOCATION
130+06	26	RT	STH 116	---	---	---	---	1	REINSTALL IN EXIST LOCATION
130+26	27	LT	STH 116	1	1	---	---	---	REINSTALL @ STH 116 STA 130+26.23, 26.46' LT
130+27	26	RT	STH 116	1	1	---	---	---	REINSTALL @ STH 116 STA 130+26.86, 26.00' RT
131+05	26	RT	STH 116	1	1	---	---	---	REINSTALL @ STH 116 STA 131+03.77, 25.84' RT
131+08	26	LT	STH 116	1	1	---	---	---	REINSTALL @ STH 116 STA 131+04.75, 26.07' LT
131+37	32	LT	STH 116	---	---	1	---	---	REINSTALL IN EXIST LOCATION
131+41	29	RT	STH 116	---	---	---	1	---	REINSTALL IN EXIST LOCATION
131+54	30	LT	STH 116	---	---	---	1	---	REINSTALL IN EXIST LOCATION
132+16	31	RT	STH 116	---	---	1	---	---	REINSTALL IN EXIST LOCATION
184+88	22	LT	STH 116	2	---	---	---	---	FIRE HYDRANT BOLLARDS
PROJECT TOTALS				8*	6	4	4	1	

*ADDITIONAL QUANTITY LISTED UNDER STREET LIGHTING REMOVALS AND REMOVING POLES

REMOVING INLETS

STATION	OFFSET FT	DIR	ROADWAY	204.0220 REMOVING INLETS EA
PROJECT 6190-15-71				
CATEGORY 0010				
106+02	20.2	RT	STH 116	1
109+32	20.1	RT	STH 116	1
111+48	20.0	RT	STH 116	1
111+85	20.1	LT	STH 116	1
115+94	44.9	LT	STH 116	1
115+96	42.4	RT	STH 116	1
116+26	44.8	LT	STH 116	1
116+28	40.5	RT	STH 116	1
116+36	49.2	RT	STH 116	1
116+49	20.6	LT	STH 116	1
116+49	20.0	RT	STH 116	1
120+56	43.5	LT	STH 116	1
120+58	41.8	RT	STH 116	1
120+88	44.3	LT	STH 116	1
120+90	42.9	RT	STH 116	1
120+95	59.4	RT	STH 116	1
121+12	20.6	LT	STH 116	1
121+13	19.9	RT	STH 116	1
123+88	43.1	RT	STH 116	1
124+20	43.3	RT	STH 116	1
124+42	20.5	LT	STH 116	1
124+44	19.6	RT	STH 116	1
130+35	21.1	LT	STH 116	1
130+45	41.3	RT	STH 116	1
151+43	20.5	RT	STH 116	1

REMOVING INLETS - CONTINUED

STATION	OFFSET FT	DIR	ROADWAY	204.0220 REMOVING INLETS EA
PROJECT 6190-15-71				
CATEGORY 0010				
151+49	19.9	LT	STH 116	1
151+67	37.4	RT	STH 116	1
152+02	36.9	RT	STH 116	1
153+54	20.1	RT	STH 116	1
153+81	19.6	LT	STH 116	1
155+24	20.1	RT	STH 116	1
155+27	20.2	LT	STH 116	1
160+45	23.5	RT	STH 116	1
160+48	16.1	LT	STH 116	1
163+30	21.6	RT	STH 116	1
163+31	18.2	LT	STH 116	1
168+27	20.2	LT	STH 116	1
168+28	20.1	RT	STH 116	1
170+45	18.2	RT	STH 116	1
170+73	21.9	LT	STH 116	1
175+02	18.6	RT	STH 116	1
175+03	21.7	LT	STH 116	1
179+05	21.7	LT	STH 116	1
179+05	18.2	RT	STH 116	1
182+15	21.9	RT	STH 116	1
182+55	18.3	LT	STH 116	1
185+42	21.9	RT	STH 116	1
186+25	21.8	RT	STH 116	1
186+31	26.6	LT	STH 116	1
PROJECT TOTALS				49

EXISTING STORM MANHOLES

STATION	OFFSET FT	DIR	ROADWAY	204.0210 REMOVING MANHOLES EA	204.0250 ABANDONING MANHOLES EA
PROJECT 6190-15-71					
CATEGORY 0010					
100+17	18.6	RT	STH 116	---	1
104+47	21.6	LT	STH 116	1	---
104+50	19.0	RT	STH 116	1	---
105+32	16.0	RT	STH 116	1	---
105+97	15.0	RT	STH 116	1	---
109+29	15.8	RT	STH 116	1	---
111+37	8.7	RT	STH 116	1	---
114+06	7.7	RT	STH 116	1	---
116+32	7.7	RT	STH 116	1	---
116+35	44.1	LT	STH 116	1	---
116+42	15.6	RT	STH 116	1	---
120+91	20.9	LT	STH 116	1	---
120+95	13.7	RT	STH 116	1	---
124+05	17.2	RT	STH 116	1	---
130+45	17.3	RT	STH 116	1	---
151+84	42.8	RT	STH 116	1	---
153+81	8.2	LT	STH 116	1	---
154+95	7.8	LT	STH 116	1	---
160+99	17.0	LT	STH 116	1	---
163+42	11.1	RT	STH 116	1	---
164+53	9.8	RT	STH 116	1	---
168+38	11.4	RT	STH 116	1	---
170+44	7.6	RT	STH 116	1	---
171+08	22.3	LT	STH 116	1	---
175+02	6.9	RT	STH 116	1	---
177+10	7.9	RT	STH 116	1	---
179+13	8.0	RT	STH 116	1	---
179+95	8.3	RT	STH 116	1	---
182+17	28.6	RT	STH 116	1	---
182+85	27.8	RT	STH 116	1	---
182+89	71.7	RT	STH 116	1	---
184+92	28.1	RT	STH 116	1	---
185+73	72.4	LT	STH 116	1	---
PROJECT TOTALS				32	1

EXCAVATION, HAULING, AND DISPOSAL OF CONTAMINATED SOIL

LOCATION	205.0501.S TON
PROJECT 6190-15-71	
CATEGORY 0010	
126+50 LT - 128+50 LT, STH 116	720
PROJECT TOTAL	720

BACKFILL GRANULAR GRADE 2

LOCATION	209.2100 CY
PROJECT 6190-15-71	
CATEGORY 0010	
EXISTING STORM SEWER REMOVAL BACKFILL	1800
PROJECT TOTAL	1,800

EARTHWORK SUMMARY

ROADWAY	FROM / TO STATION	205.0100 COMMON EXCAVATION		SALVAGED UNUSABLE PAVEMENT MATERIAL	AVAILABLE MATERIAL (3)	UNEXPANDED FILL	EXPANDED FILL FACTOR 1.25	WASTE	208.0100 BORROW	COMMENT
		CUT (1)	EBS (5)							
CATEGORY 0010										
STH 116 WEST	103+13 / 132+60	17,295	0	0	17,295	151	189	17,106	0	
STH 116 EAST	149+60 / 187+97	22,685	575	0	22,685	84	105	23,155	0	2
9TH ST	93+00 / 94+15	270	0	0	270	39	49	221	0	
7TH ST	73+00 / 73+30	125	0	0	125	3	4	121	0	
6TH ST	61+68 / 63+13	170	0	0	170	0	0	170	0	
5TH ST	51+30 / 53+56	305	0	0	305	3	4	301	0	
4TH ST	41+89 / 43+56	150	0	0	150	1	1	149	0	
3RD ST	31+75 / 33+55	300	0	0	300	0	0	300	0	
2ND ST	21+77 / 23+35	360	0	0	360	0	0	360	0	
3RD AVE	35+75 / 37+25	345	0	0	345	0	0	345	0	
4TH AVE	45+75 / 47+02	115	0	0	115	0	0	115	0	
6TH AVE	67+00 / 67+25	105	0	0	105	0	0	105	0	
7TH AVE	75+75 / 77+15	180	0	0	180	0	0	180	0	
9TH AVE	97+00 / 97+43	330	0	0	330	0	0	330	0	
13TH AVE	213+50 / 21378	145	0	0	145	0	0	145	0	
EAST SS OUTFALL	301+00 / 303+00	5	0	0	5	28	35	0	0	4
CATEGORY 0010 SUBTOTALS		42,885	575	0	42,885	309	386	43,104	0	
		43,460								
PROJECT TOTALS		42,885	575	0	42,885	309	386	43,104	0	
		43,460								

1) SALVAGED / UNUSABLE PAVEMENT MATERIAL IS INCLUDED IN CUT.
2) EBS EXCAVATION SHALL BE BACKFILLED WITH BREAKER RUN MATERIAL.
3) AVAILABLE MATERIAL = CUT - SALVAGED MATERIAL.
4) USE MATERIAL FROM ROADWAY WASTE FOR BORROW
5) EBS MATERIAL SHALL NOT BE USED IN FILLS

BASE AGGREGATE DENSE AND BREAKER RUN

STATION		TO STATION	ROADWAY	305.0110 BASE AGGREGATE DENSE 3/4-INCH			305.0120 BASE AGGREGATE DENSE 1 1/4-INCH		311.0110 BREAKER RUN		624.0100 WATER
				ROADWAY TON	SIDEWALKS TON	DRIVEWAYS TON	ROADWAY TON	DRIVEWAYS TON	ROADWAY TON	EBS TON	MGAL
PROJECT 6190-15-71											
CATEGORY 0010											
103+13	-	108+75	STH 116	12	0	0	2,656	0	2,177	0	68
108+75	-	114+75	STH 116	5	81	0	2,637	50	2,256	0	70
114+75	-	120+75	STH 116	0	124	0	2,786	82	2,449	0	76
120+75	-	126+75	STH 116	0	120	5	2,852	139	2,507	0	79
126+75	-	132+60	STH 116	0	221	0	2,150	21	1,890	0	60
149+60	-	155+50	STH 116	0	125	0	2,526	26	2,221	0	69
155+50	-	161+50	STH 116	0	105	7	2,378	120	2,090	0	66
161+50	-	167+50	STH 116	0	104	4	2,591	104	2,278	0	71
167+50	-	173+50	STH 116	0	118	1	2,683	92	2,359	0	74
173+50	-	179+50	STH 116	0	116	0	2,679	213	2,356	985	89
179+50	-	185+50	STH 116	0	104	0	2,679	262	2,356	164	78
185+50	-	188+00	STH 116	0	28	0	727	24	639	0	20
93+27	-	94+15	9TH ST	4	0	0	200	0	100	0	4
72+72	-	73+30	7TH ST	1	0	0	220	0	181	0	6
61+68	-	62+28	S 6TH ST	1	0	0	213	0	169	0	5
62+72	-	63+13	N 6TH ST	1	0	0	144	0	120	0	4
51+30	-	51+99	S 5TH ST	3	0	0	168	0	88	0	4
53+01	-	53+56	N 5TH ST	2	0	0	131	0	68	0	3
42+00	-	42+28	S 4TH ST	0	0	0	94	0	82	0	2
43+01	-	43+56	N 4TH ST	2	0	0	134	0	70	0	3
32+00	-	32+34	S 3RD ST	0	0	0	145	0	128	0	4
32+66	-	33+56	N 3RD ST	0	0	0	352	32	310	0	10
21+77	-	22+34	S 2ND ST	0	0	0	260	0	229	0	7
22+66	-	23+35	N 2ND ST	0	0	0	320	0	281	0	8
35+75	-	36+29	S 3RD AV	0	0	0	190	0	167	0	5
36+71	-	37+25	N 3RD AV	0	0	0	182	9	160	0	5
45+75	-	46+29	S 4TH AV	0	0	0	182	0	160	0	5
46+71	-	47+02	N 4TH AV	0	0	0	93	0	82	0	2
66+66	-	67+25	6TH AV	0	0	0	201	5	176	0	5
75+75	-	76+28	S 7TH AV	0	0	0	181	7	159	0	5
76+72	-	77+15	N 7TH AV	0	0	0	145	2	128	0	4
96+74	-	97+43	9TH AV	0	0	0	351	0	309	0	9
213+22	-	213+78	13TH AV	0	0	0	271	0	238	0	7
			PROJECT TOTALS	31	1,248	17	33,521	1,189	28,981	1,150	926
					1,296		34,710		30,130		

NOTE: SIDEROAD SIDEWALK BASE INCLUDED IN MAINLINE QTY

BASE AGGREGATE DENSE 1 1/4-INCH - TRAFFIC CONTROL

CATEGORY	LOCATION	305.0120 TON	REMARKS
0010	STH 116, STA. 150+95 - STA. 151+60, RT	10	
0010	STH 116, STA. 166+10 - STA. 180+85, RT	220	
0010	UNDISTRIBUTED PATCHING FOR STORM/SANITARY/WATER CROSSINGS	75	
0010	UNDISTRIBUTED	15	
	TOTALS	**320**	

3

CONCRETE DRIVEWAY

STATION	TO	STATION	ROADWAY	416.0160 6-INCH SY	416.0180 8-INCH SY	416.0260 HES 6-INCH SY	416.0280 HES 8-INCH SY
PROJECT 6190-15-71							
CATEGORY 0010							
103+13	-	108+75	STH 116	0	0	0	0
108+75	-	114+75	STH 116	0	0	40	65
114+75	-	120+75	STH 116	200	0	0	0
120+75	-	126+75	STH 116	125	0	85	65
126+75	-	132+60	STH 116	0	45	0	15
149+60	-	155+50	STH 116	60	0	0	0
155+50	-	161+50	STH 116	300	0	0	0
161+50	-	167+50	STH 116	155	70	0	0
167+50	-	173+50	STH 116	100	60	0	0
173+50	-	179+50	STH 116	0	135	0	0
179+50	-	185+50	STH 116	0	125	0	135
185+50	-	188+00	STH 116	0	45	0	0
92+70	-	94+15	9TH ST	0	0	0	0
72+72	-	73+30	7TH ST	0	0	0	0
61+68	-	62+28	S 6TH ST	0	0	0	0
62+72	-	63+13	N 6TH ST	0	0	0	0
51+30	-	52+28	S 5TH ST	0	0	0	0
52+72	-	53+56	N 5TH ST	0	0	0	0
41+89	-	42+28	S 4TH ST	0	0	0	0
42+72	-	43+56	N 4TH ST	0	0	0	0
31+75	-	32+34	S 3RD ST	0	0	0	0
32+66	-	33+55	N 3RD ST	0	40	0	40
21+77	-	22+34	S 2ND ST	0	0	0	0
22+66	-	23+35	N 2ND ST	0	0	0	0
35+75	-	36+29	S 3RD AV	0	0	0	0
36+71	-	37+25	N 3RD AV	25	0	0	0
45+75	-	46+29	S 4TH AV	0	0	0	0
46+71	-	47+02	N 4TH AV	0	0	0	0
66+66	-	67+25	6TH AV	15	0	0	0
75+75	-	76+28	S 7TH AV	0	15	0	0
76+72	-	77+15	N 7TH AV	5	0	0	0
96+74	-	97+43	9TH AV	0	0	0	0
213+22	-	213+78	13TH AV	0	0	0	0
			PROJECT TOTALS	985	535	125	320

CONCRETE SURFACE DRAINS

STATION	OFFSET	ROADWAY	416.1010 CY
PROJECT 6190-15-71			
CATEGORY 0010			
96+16	15' LT	9TH ST	1
105+36	20' LT	STH 116	1
110+87	20' LT	STH 116	1
		PROJECT TOTALS	3

3

ASPHALTIC ITEMS

STATION		TO STATION	ROADWAY	440.4410 INCENTIVE IRI RIDE DOL	455.0605 TACK COAT GAL	460.2000 INCENTIVE DENSITY HMA PAVEMENT DOL	460.4110.S REHEATING HMA PAVEMENT LONGITUDINAL JOINTS LF	460.6223 HMA PAVEMENT 3 MT 58-28 S TON	460.6224 HMA PAVEMENT 4 MT 58-28 S TON	465.0120 ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES TON	COMMENTS
PROJECT 6190-15-71											
CATEGORY 0010											
103+13	-	108+75	STH 116	426	333	640	5,445	717	279	0	
108+75	-	114+75	STH 116	455	339	650	5,640	731	284	4	
114+75	-	120+75	STH 116	455	369	710	6,120	796	310	3	
120+75	-	126+75	STH 116	455	379	730	6,090	817	318	13	
126+75	-	132+60	STH 116	443	301	580	6,375	649	252	0	
149+60	-	155+50	STH 116	447	329	630	7,890	709	276	1	
155+50	-	161+50	STH 116	455	308	590	6,075	664	258	5	
161+50	-	167+50	STH 116	455	338	650	7,425	730	284	7	
167+50	-	173+50	STH 116	455	352	670	7,575	759	295	11	
173+50	-	179+50	STH 116	455	352	670	7,200	759	295	49	
179+50	-	185+50	STH 116	455	352	670	7,305	759	295	51	INCL KWIK TRIP OUTFALL
185+50	-	188+00	STH 116	189	91	170	2,100	195	76	2	
93+27	-	94+15	9TH ST	---	16	40	300	34	26	0	
72+72	-	73+30	7TH ST	---	30	60	180	65	25	0	
61+68	-	62+28	S 6TH ST	---	28	50	180	61	24	0	
62+72	-	63+13	N 6TH ST	---	21	40	120	45	18	0	
51+30	-	51+99	S 5TH ST	---	13	30	200	29	22	0	
53+01	-	53+56	N 5TH ST	---	11	30	170	23	18	0	
42+00	-	42+28	S 4TH ST	---	15	30	84	32	13	0	
43+01	-	43+56	N 4TH ST	---	11	30	170	24	19	0	
32+00	-	32+34	S 3RD ST	---	18	30	102	39	15	0	
32+66	-	33+56	N 3RD ST	---	52	100	270	112	44	1	
21+77	-	22+34	S 2ND ST	---	40	80	180	86	33	0	
22+66	-	23+35	N 2ND ST	---	48	90	210	104	40	0	
35+75	-	36+29	S 3RD AV	---	27	50	165	59	23	0	
36+71	-	37+25	N 3RD AV	---	26	50	165	56	22	0	
45+75	-	46+29	S 4TH AV	---	26	50	165	56	22	0	
46+71	-	47+02	N 4TH AV	---	14	30	90	31	12	0	
66+66	-	67+25	6TH AV	---	28	50	180	61	24	0	
75+75	-	76+28	S 7TH AV	---	26	50	165	55	22	1	
76+72	-	77+15	N 7TH AV	---	21	40	135	46	18	0	
96+74	-	97+43	9TH AV	---	52	100	210	113	44	0	
213+22	-	213+78	13TH AV	---	41	80	165	89	35	0	
			PROJECT TOTALS	5,142	4,409	8,470	78,846	9,506	3,739	149	

CONCRETE CURB AND GUTTER

STATION		TO STATION	ROADWAY	601.0411 30-INCH TYPE D LF	601.0557 6-INCH SLOPED 36-INCH TYPE D LF	SPV.0090.003 HES 30-INCH TYPE D LF	SPV.0090.004 SPECIAL 24-INCH TYPE D LF	650.5500 CONSTRUCTION STAKING CURB GUTTER AND CURB & GUTTER LF
PROJECT 6190-15-71								
CATEGORY 0010								
103+13	-	108+75	STH 116	450	---	---	---	450
108+75	-	114+75	STH 116	812	---	77	---	889
114+75	-	120+75	STH 116	961	---	---	---	961
120+75	-	126+75	STH 116	864	---	109	---	973
126+75	-	132+60	STH 116	795	---	21	---	816
149+60	-	155+50	STH 116	870	---	---	---	870
155+50	-	161+50	STH 116	1,122	---	---	---	1,122
161+50	-	167+50	STH 116	1,044	---	---	---	1,044
167+50	-	173+50	STH 116	1,074	---	---	---	1,074
173+50	-	179+50	STH 116	1,200	---	---	---	1,200
179+50	-	185+50	STH 116	1,030	---	136	60	1,226
185+50	-	188+00	STH 116	297	---	---	---	297
92+70	-	94+15	9TH ST	---	150	---	---	150
72+72	-	73+30	7TH ST	50	60	---	---	110
61+68	-	62+28	S 6TH ST	78	---	---	---	78
62+72	-	63+13	N 6TH ST	78	---	---	---	78
51+30	-	52+28	S 5TH ST	78	---	---	---	78
52+72	-	53+56	N 5TH ST	78	---	---	---	78
41+89	-	42+28	S 4TH ST	75	---	---	---	75
42+72	-	43+56	N 4TH ST	78	---	---	---	78
31+75	-	32+34	S 3RD ST	90	---	---	---	90
32+66	-	33+55	N 3RD ST	169	---	33	---	202
21+77	-	22+34	S 2ND ST	137	---	---	---	137
22+66	-	23+35	N 2ND ST	162	---	---	---	162
35+75	-	36+29	S 3RD AV	127	---	---	---	127
36+71	-	37+25	N 3RD AV	127	---	---	---	127
45+75	-	46+29	S 4TH AV	127	---	---	---	127
46+71	-	47+02	N 4TH AV	85	---	---	---	85
66+66	-	67+25	6TH AV	138	---	---	---	138
75+75	-	76+28	S 7TH AV	126	---	---	---	126
76+72	-	77+15	N 7TH AV	106	---	---	---	106
96+74	-	97+43	9TH AV	180	---	---	---	180
213+22	-	213+78	13TH AV	164	---	---	---	164
			PROJECT TOTALS	12,772	210	376	60	13,418

CONCRETE SIDEWALK

STATION		TO STATION	ROADWAY	602.0405 4-INCH SF	602.0415 6-INCH* SF	602.0515 CURB RAMP DETECTABLE WARNING FIELD NATURAL PATINA SF	603.0615 CURB RAMP DETECTABLE WARNING FIELD RADIAL NATURAL PATINA SF
PROJECT 6170-15-71							
CATEGORY 0010							
103+13	-	108+75	STH 116	0	0	0	0
108+75	-	114+75	STH 116	3,665	215	30	0
114+75	-	120+75	STH 116	4,965	810	126	0
120+75	-	126+75	STH 116	4,840	720	120	0
126+75	-	132+60	STH 116	6,655	4,715	160	0
149+60	-	155+50	STH 116	4,930	880	80	0
155+50	-	161+50	STH 116	4,625	245	30	0
161+50	-	167+50	STH 116	4,410	440	40	0
167+50	-	173+50	STH 116	5,160	345	40	0
173+50	-	179+50	STH 116	5,425	0	0	0
179+50	-	185+50	STH 116	4,775	60	0	18
185+50	-	188+00	STH 116	1,180	130	20	18
			PROJECT TOTALS	50,630	8,560	646	36

*6-INCH USED IN CURB RAMPS. SEE PAVING DETAIL SHEETS F0R LOCATIONS

CONCRETE STEPS

LOCATION	ROADWAY	602.1500 SF	COMMENT
PROJECT 6190-15-71			
CATEGORY 0010			
STA 163+86, 37' LT	STH 116	6	
	PROJECT TOTAL	6	

STORM SEWER PIPE

FROM	-	TO	520.8000 CONCRETE COLLARS FOR PIPE EA	608.0312 RC CLASS III 12-INCH LF	608.0315 RC CLASS III 15-INCH LF	608.0318 RC CLASS III 18-INCH LF	608.0321 RC CLASS III 21-INCH LF	608.0324 RC CLASS III 24-INCH LF	608.0327 RC CLASS III 27-INCH LF	608.0330 RC CLASS III 30-INCH LF	608.0342 RC CLASS III 42-INCH LF	608.0412 RC CLASS IV 12-INCH LF	608.0415 RC CLASS IV 15-INCH LF	608.0418 RC CLASS IV 18-INCH LF	608.0424 RC CLASS IV 24-INCH LF	608.0427 RC CLASS IV 27-INCH LF	608.0430 RC CLASS IV 30-INCH LF	608.0436 RC CLASS IV 36-INCH LF	608.0442 RC CLASS IV 42-INCH LF	608.2429 RCHE CLASS IV 29X45-INCH LF	608.3012 CLASS III-A 12-INCH LF	JOINT TIES
PROJECT 6190-15-71																						
CATEGORY 0010																						
40.0	-	PROJ LIMIT	1	---	---	---	---	230	---	---	---	---	---	---	---	---	---	---	---	---	---	---
40.1	-	40.0	---	26	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
40.2	-	40.0	---	51	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
40.3	-	40.0	---	15	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
40.5	-	40.2	---	15	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
40.6	-	40.1	---	48	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
41.2	-	41.1	---	---	---	---	---	---	---	---	---	57	---	---	---	---	---	---	---	---	---	---
44.0	-	43.0	---	---	---	---	---	---	---	---	21	---	---	---	---	---	---	---	---	---	---	4
45.0	-	44.0	---	---	---	---	---	---	---	---	275	---	---	---	---	---	---	---	---	---	---	---
50.0	-	45.0	---	---	---	---	---	---	---	---	275	---	---	---	---	---	---	---	---	---	---	---
50.1	-	50.0	---	---	---	---	---	10	---	---	---	---	---	---	---	---	---	---	---	---	---	---
50.2	-	50.1	---	---	---	---	---	---	---	---	---	---	---	---	49	---	---	---	---	---	---	4
55.0	-	50.0	---	---	---	---	---	---	---	---	392	---	---	---	---	---	---	---	---	---	---	---
55.1	-	55.2	---	---	---	---	---	---	---	---	---	15	---	---	---	---	---	---	---	---	---	---
55.2	-	55.0	---	11	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
60.0	-	55.0	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	136	---	---	---
65.0	-	60.0	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	83	---	---
65.1	-	65.0	---	---	---	---	---	---	---	---	---	19	---	---	---	---	---	---	---	---	---	---
65.2	-	65.0	---	39	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
65.3	-	65.2	---	33	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
65.5	-	65.4	---	103	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
65.4	-	65.1	---	---	---	---	---	---	---	---	---	15	---	---	---	---	---	---	---	---	---	---
70.0	-	65.0	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	217	---	---	---	---
70.1	-	70.0	---	---	---	---	---	---	---	---	---	---	16	---	---	---	---	---	---	---	---	---
70.2	-	70.1	---	---	---	---	---	---	---	---	---	15	---	---	---	---	---	---	---	---	---	---
70.3	-	TRUNK	SEE MINI-STORM TABLE																			
70.4	-	70.0	---	---	---	---	---	---	---	---	---	32	---	---	---	---	---	---	---	---	---	---
75.0	-	70.0	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	229	---	---	---	---
75.3	-	75.1	---	---	---	---	---	---	---	---	---	43	---	---	---	---	---	---	---	---	---	---
75.1	-	75.0	---	---	---	23	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
75.2	-	75.1	---	18	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
75.4	-	75.3	---	20	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
75.5	-	75.0	---	---	---	---	---	52	---	---	---	---	---	---	---	---	---	---	---	---	---	---
75.6	-	75.5	---	---	8	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	`	---
75.7	-	75.6	---	---	35	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
80.0	-	75.0	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	25	---	---	---	---
80.1	-	80.0	---	---	---	---	---	---	---	---	---	---	---	24	---	---	---	---	---	---	---	---
80.2	-	80.0	---	---	---	---	---	---	---	---	---	---	24	---	---	---	---	---	---	---	---	---
80.3	-	80.2	---	---	---	---	---	---	---	---	---	15	---	---	---	---	---	---	---	---	---	---
PAGE SUBTOTALS			1	379	43	23	0	292	0	0	963	211	40	24	49	0	0	471	136	83	0	8

STORM SEWER PIPE - CONTINUED

FROM	-	TO	520.8000 CONCRETE COLLARS FOR PIPE EA	608.0312 RC CLASS III 12-INCH LF	608.0315 RC CLASS III 15-INCH LF	608.0318 RC CLASS III 18-INCH LF	608.0321 RC CLASS III 21-INCH LF	608.0324 RC CLASS III 24-INCH LF	608.0327 RC CLASS III 27-INCH LF	608.0330 RC CLASS III 30-INCH LF	608.0342 RC CLASS III 42-INCH LF	608.0412 RC CLASS IV 12-INCH LF	608.0415 RC CLASS IV 15-INCH LF	608.0418 RC CLASS IV 18-INCH LF	608.0424 RC CLASS IV 24-INCH LF	608.0427 RC CLASS IV 27-INCH LF	608.0430 RC CLASS IV 30-INCH LF	608.0436 RC CLASS IV 36-INCH LF	608.0442 RC CLASS IV 42-INCH LF	608.2429 RCHE CLASS IV 29X45-INCH LF	608.3012 CLASS III-A 12-INCH LF	JOINT TIES
PROJECT 6190-15-71																							
CATEGORY 0010																							
85.0	-	80.0	---	---	---	---	---	---	---	---	---	---	---	---	---	---	260	---	---	---	---	---
85.2	-	85.0	---	---	---	---	---	---	---	---	---	24	---	---	---	---	---	---	---	---	---	---
85.3	-	85.0	---	---	---	---	---	---	---	---	---	25	---	---	---	---	---	---	---	---	---	---
85.1	-	85.2	---	22	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
90.0	-	85.0	---	---	---	---	---	---	202	---	---	---	---	---	---	---	---	---	---	---	---	---
90.2	-	90.1	---	---	33	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
90.1	-	90.0	---	---	24	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
90.4	-	90.2	---	---	---	---	---	---	---	---	---	35	---	---	---	---	---	---	---	---	---	---
90.3	-	90.2	---	14	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
90.6	-	90.5	---	---	35	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
90.5	-	90.0	---	---	---	---	24	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
90.7	-	90.6	---	---	---	---	---	---	---	---	---	35	---	---	---	---	---	---	---	---	---	---
90.8	-	90.5	---	68	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
95.0	-	90.0	---	---	---	---	---	306	---	---	---	---	---	---	---	---	---	---	---	---	---	---
95.1	-	95.0	---	31	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
95.1A	-	95.1	---	19	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
95.2	-	95.1	---	17	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
95.3	-	95.2	---	35	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
95.4	-	95.0	---	33	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
95.5	-	95.4	---	15	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
115.1	-	115.0	---	22	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
115.2	-	115.0	---	19	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
115.3	-	115.2	---	32	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
115.4	-	115.3	---	---	---	---	---	---	---	---	---	46	---	---	---	---	---	---	---	---	---	---
115.5	-	115.4	---	17	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
115.6	-	115.3	---	21	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
115.7	-	115.1	---	26	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
125.0	-	120.0	---	---	---	---	---	---	---	---	---	---	146	---	---	---	---	---	---	---	---	---
125.1	-	125.0	---	---	---	---	---	---	---	---	---	59	---	---	---	---	---	---	---	---	---	---
125.2	-	125.0	---	---	---	---	---	---	---	---	---	15	---	---	---	---	---	---	---	---	---	---
130.0	-	120.0	---	---	---	---	---	---	---	---	---	---	79	---	---	---	---	---	---	---	---	---
130.1	-	130.0	---	---	---	---	---	---	---	---	---	31	---	---	---	---	---	---	---	---	---	---
130.2	-	130.0	---	---	---	---	---	---	---	---	---	15	---	---	---	---	---	---	---	---	---	---
135.1	-	135.0	---	---	---	---	---	---	---	---	---	52	---	---	---	---	---	---	---	---	---	---
135.2	-	135.1	---	---	---	---	---	---	---	---	---	41	---	---	---	---	---	---	---	---	---	---
135.3	-	135.2	---	---	---	---	---	---	---	---	---	15	---	---	---	---	---	---	---	---	---	---
135.4	-	135.1	---	---	---	---	---	---	---	---	---	15	---	---	---	---	---	---	---	---	---	---
140.1	-	140.0	---	103	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
PAGE SUBTOTALS			0	494	92	0	24	306	202	0	0	408	225	0	0	0	260	0	0	0	0	0

STORM SEWER PIPE - CONTINUED

FROM	-	TO	520.8000 CONCRETE COLLARS FOR PIPE EA	608.0312 RC CLASS III 12-INCH LF	608.0315 RC CLASS III 15-INCH LF	608.0318 RC CLASS III 18-INCH LF	608.0321 RC CLASS III 21-INCH LF	608.0324 RC CLASS III 24-INCH LF	608.0327 RC CLASS III 27-INCH LF	608.0330 RC CLASS III 30-INCH LF	608.0342 RC CLASS III 42-INCH LF	608.0412 RC CLASS IV 12-INCH LF	608.0415 RC CLASS IV 15-INCH LF	608.0418 RC CLASS IV 18-INCH LF	608.0424 RC CLASS IV 24-INCH LF	608.0427 RC CLASS IV 27-INCH LF	608.0430 RC CLASS IV 30-INCH LF	608.0436 RC CLASS IV 36-INCH LF	608.0442 RC CLASS IV 42-INCH LF	608.2429 RCHE CLASS IV 29X45-INCH LF	608.3012 CLASS III-A 12-INCH LF	JOINT TIES
PROJECT 6190-15-71																							
CATEGORY 0010																							
145.0	-	140.0	---	---	---	---	---	---	---	---	---	---	108	---	---	---	---	---	---	---	---	---	---
145.1	-	145.0	---	---	---	---	---	---	---	---	---	9	---	---	---	---	---	---	---	---	---	---	---
145.2	-	145.0	---	---	---	---	---	---	---	---	---	39	---	---	---	---	---	---	---	---	---	---	---
150.1	-	150.0	---	---	---	---	---	---	---	---	---	60	---	---	---	---	---	---	---	---	---	---	---
150.2	-	150.0	---	---	---	---	---	---	---	---	---	23	---	---	---	---	---	---	---	---	---	---	---
155.0	-	150.0	---	---	---	---	---	---	---	---	---	---	---	23	---	---	---	---	---	---	---	---	---
155.1	-	155.0	---	---	---	---	---	---	---	---	---	30	---	---	---	---	---	---	---	---	---	---	---
160.0	-	155.0	---	---	---	---	---	---	---	---	---	---	258	---	---	---	---	---	---	---	---	---	---
160.1	-	160.0	---	---	---	---	---	---	---	---	---	18	---	---	---	---	---	---	---	---	---	---	---
160.2	-	160.0	---	---	---	---	---	---	---	---	---	30	---	---	---	---	---	---	---	---	---	---	---
160.3	-	160.1	---	---	---	---	---	---	---	---	---	10	---	---	---	---	---	---	---	---	---	---	---
166.0	-	165.0	---	---	---	---	---	---	---	189	---	---	---	---	---	---	---	---	---	---	---	---	4
167.0	-	166.0	---	---	---	---	---	---	---	---	---	---	---	---	---	---	191	---	---	---	---	---	---
168.0	-	167.0	---	---	---	---	---	---	---	---	---	---	---	---	---	---	54	---	---	---	---	---	---
170.0	-	168.0	---	---	---	---	---	---	---	---	---	---	---	---	---	---	44	---	---	---	---	---	---
175.0	-	170.0	---	---	---	---	---	---	---	---	---	---	---	---	---	---	56	---	---	---	---	---	---
175.1	-	175.0	---	---	---	---	---	---	---	---	---	27	---	---	---	---	---	---	---	---	---	---	---
175.2	-	175.1	---	11	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	4
175.3	-	175.0	---	---	---	---	---	---	---	---	---	---	---	32	---	---	---	---	---	---	---	---	---
175.4	-	175.3	---	---	---	---	---	---	---	---	---	---	---	13	---	---	---	---	---	---	---	---	---
175.5	-	175.3	---	18	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
180.0	-	175.0	---	---	---	---	---	---	---	---	---	---	---	---	---	143	---	---	---	---	---	---	---
185.0	-	180.0	---	---	---	---	---	---	---	---	---	---	---	---	---	191	---	---	---	---	---	---	---
185.1	-	185.0	---	---	---	---	---	---	---	---	---	24	---	---	---	---	---	---	---	---	---	---	---
185.2	-	185.0	---	---	---	---	---	---	---	---	---	24	---	---	---	---	---	---	---	---	---	---	---
190.0	-	185.0	---	---	---	---	---	---	---	---	---	---	---	---	---	191	---	---	---	---	---	---	---
190.1	-	190.0	---	---	---	---	---	---	---	---	---	24	---	---	---	---	---	---	---	---	---	---	---
195.0	-	190.0	---	---	---	---	---	---	---	---	---	---	---	---	209	---	---	---	---	---	---	---	---
195.1	-	195.0	---	---	---	---	---	---	---	---	---	24	---	---	---	---	---	---	---	---	---	---	---
195.2	-	195.0	---	---	---	---	---	---	---	---	---	24	---	---	---	---	---	---	---	---	---	---	---
195.3	-	195.2	---	---	---	---	---	---	---	---	---	25	---	---	---	---	---	---	---	---	---	---	---
195.4	-	195.1	---	24	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
205.1	-	205.2	---	47	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
205.2	-	205.3	---	---	120	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
205.3	-	205.0	---	---	101	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
EXIST YD1	-	190.0	---	---	---	---	---	---	---	---	---	---	46	---	---	---	---	---	---	---	---	---	---
EXIST YD3	-	95.2	1	19	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
EX PIPE	-	65.3	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	20	---
EX PIPE	-	180.0	1	---	---	---	---	---	---	---	---	39	---	---	---	---	---	---	---	---	---	---	---
EX PIPE	-	185.2	1	12	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
EX DRAIN	-	40.3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	16	---
PAGE SUBTOTALS			4	131	221	0	0	0	0	189	0	430	412	68	209	525	345	0	0	0	36	8	
PROJECT TOTALS			5	1,004	356	23	24	598	202	189	963	1,049	677	92	258	525	605	471	136	83	36	16	

STORM SEWER STRUCTURES

STRUCT	STATION	OFFSET	ROADWAY	522.1012 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 12-INCH EACH	522.1024 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 24-INCH EACH	522.103 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 30-INCH EACH	522.1042 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 42-INCH EACH	611.0530 MANHOLE COVERS TYPE J EACH	611.0624 INLET COVERS TYPE H EACH	611.0639 INLET COVERS TYPE H-S EACH	611.0612 INLET COVERS TYPE C EACH	611.1004 CATCH BASINS 4-FT DIAMETER EACH	611.1230 CATCH BASINS 2X3-FT EACH	611.2004 MANHOLES 4-FT DIAMETER EACH	611.2005 MANHOLES 5-FT DIAMETER EACH	611.2006 MANHOLES 6-FT DIAMETER EACH	611.2007 MANHOLES 7-FT DIAMETER EACH	611.3003 INLETS 3-FT DIAMETER EACH	650.4000 CONSTRUCTION STAKING STORM SEWER EACH
PROJECT 6190-15-71																			
CATEGORY 0010																			
SS40.0	130+30.0	6.0' LT	STH 116	---	---	---	---	1	---	---	---	---	---	---	1	---	---	---	1
SS40.1	130+29.8	19.7' RT	STH 116	---	---	---	---	---	---	1	---	---	1	---	---	---	---	---	1
SS40.2	129+82.0	23.5' LT	STH 116	---	---	---	---	---	---	1	---	---	1	---	---	---	---	---	1
SS40.3	130+29.7	21.0' LT	STH 116	---	---	---	---	---	1	---	---	---	1	---	---	---	---	---	1
SS40.5	129+67.0	23.5' LT	STH 116	---	---	---	---	---	1	---	---	---	1	---	---	---	---	---	1
SS40.6	129+82.0	23.5' RT	STH 116	---	---	---	---	---	---	1	---	---	1	---	---	---	---	---	1
SS41.1	21+82.7	28.3' RT	2ND ST	---	---	---	---	---	---	1	---	---	1	---	---	---	---	---	1
SS41.2	21+80.0	28.3' LT	2ND ST	---	---	---	---	---	---	1	---	---	1	---	---	---	---	---	1
SS43.0	100+05.9	42.3' RT	STH 116	---	---	---	1	---	---	---	---	---	---	---	---	---	---	---	1
SS44.0	100+25.0	34.0' RT	STH 116	---	---	---	---	1	---	---	---	---	---	---	---	1	---	---	1
SS45.0	103+00.0	34.0' RT	STH 116	---	---	---	---	1	---	---	---	---	---	---	---	1	---	---	1
SS50.0	105+75.0	34.0' RT	STH 116	---	---	---	---	1	---	---	---	---	---	---	---	1	---	---	1
SS50.1	105+75.0	23.5' RT	STH 116	---	---	---	---	---	---	1	---	---	1	---	---	---	---	---	1
SS50.2	105+82.0	25.2' LT	STH 116	---	1	---	---	---	---	---	---	---	---	---	---	---	---	---	1
SS55.0	109+67.0	34.0' RT	STH 116	---	---	---	---	1	---	---	---	---	---	---	---	1	---	---	1
SS55.1	109+52.0	23.5' RT	STH 116	---	---	---	---	---	---	1	---	---	1	---	---	---	---	---	1
SS55.2	109+67.0	23.5' RT	STH 116	---	---	---	---	---	---	1	---	---	1	---	---	---	---	---	1
SS60.0	111+00.0	8.0' RT	STH 116	---	---	---	---	1	---	---	---	---	---	---	---	1	---	---	1
SS65.0	111+83.0	8.0' RT	STH 116	---	---	---	---	1	---	---	---	---	---	---	---	---	1	---	1
SS65.1	111+94.0	23.5' RT	STH 116	---	---	---	---	---	1	---	---	---	1	---	---	---	---	---	1
SS65.2	111+71.3	29.6' LT	STH 116	---	---	---	---	---	---	1	---	---	1	---	---	---	---	---	1
SS65.3	73+12.1	25.8' RT	7TH ST	---	---	---	---	---	---	---	1	---	---	---	---	---	---	1	1
SS65.4	112+09.0	23.5' RT	STH 116	---	---	---	---	---	1	---	---	---	1	---	---	---	---	---	1
SS65.5	113+10.0	45.7' RT	STH 116	---	---	---	---	---	---	---	1	---	---	---	---	---	---	1	1
SS70.0	114+00.0	8.0' RT	STH 116	---	---	---	---	1	---	---	---	---	---	---	---	---	1	---	1
SS70.1	114+00.0	23.5' RT	STH 116	---	---	---	---	---	1	---	---	---	1	---	---	---	---	---	1
SS70.2	114+15.0	23.5' RT	STH 116	---	---	---	---	---	1	---	---	---	1	---	---	---	---	---	1
SS70.3	115+00.0	44.9' RT	STH 116	---	---	---	---	---	---	---	1	---	---	---	---	---	---	1	1
SS70.4	114+00.0	23.5' LT	STH 116	---	---	---	---	---	1	---	---	---	1	---	---	---	---	---	1
SS75.0	116+29.2	8.0' RT	STH 116	---	---	---	---	1	---	---	---	---	---	---	---	1	---	---	1
SS75.1	62+18.7	23.3' RT	6TH ST	---	---	---	---	---	---	1	---	1	---	---	---	---	---	---	1
SS75.2	62+00.4	23.6' RT	6TH ST	---	---	---	---	---	---	---	1	---	---	---	---	---	---	1	1
SS75.3	62+06.0	17.5' LT	6TH ST	---	---	---	---	---	1	---	---	---	1	---	---	---	---	---	1
SS75.4	61+87.5	24.4' LT	6TH ST	---	---	---	---	---	---	---	1	---	---	---	---	---	---	1	1
SS75.5	62+93.4	25.8' RT	6TH ST	---	---	---	---	---	---	---	1	---	---	1	---	---	---	---	1
SS75.6	62+94.0	17.5' RT	6TH ST	---	---	---	---	---	1	---	---	---	1	---	---	---	---	---	1
SS75.7	62+96.0	17.5' LT	6TH ST	---	---	---	---	---	1	---	---	---	1	---	---	---	---	---	1
SS80.0	116+52.7	0.0' RT	STH 116	---	---	---	---	1	---	---	---	---	---	---	1	---	---	---	1
SS80.1	116+49.0	23.6' RT	STH 116	---	---	---	---	---	1	---	---	---	1	---	---	---	---	---	1
SS80.2	116+50.4	23.5' LT	STH 116	---	---	---	---	---	1	---	---	---	1	---	---	---	---	---	1
SS80.3	116+65.0	23.5' LT	STH 116	---	---	---	---	---	1	---	---	---	1	---	---	---	---	---	1
		PAGE SUBTOTALS		0	1	0	1	10	13	10	6	1	22	1	2	6	2	5	41

STORM SEWER STRUCTURES - CONTINUED

STRUCT	STATION	OFFSET	ROADWAY	522.1012 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 12-INCH EACH	522.1024 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 24-INCH EACH	522.103 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 30-INCH EACH	522.1042 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 42-INCH EACH	611.0530 MANHOLE COVERS TYPE J EACH	611.0624 INLET COVERS TYPE H EACH	611.0639 INLET COVERS TYPE H-S EACH	611.0612 INLET COVERS TYPE C EACH	611.1004 CATCH BASINS 4-FT DIAMETER EACH	611.1230 CATCH BASINS 2X3-FT EACH	611.2004 MANHOLES 4-FT DIAMETER EACH	611.2005 MANHOLES 5-FT DIAMETER EACH	611.2006 MANHOLES 6-FT DIAMETER EACH	611.2007 MANHOLES 7-FT DIAMETER EACH	611.3003 INLETS 3-FT DIAMETER EACH	650.4000 CONSTRUCTION STAKING STORM SEWER EACH
PROJECT 6190-15-71																			
CATEGORY 0010																			
SS85.0	119+13.0	0.0' RT	STH 116	---	---	---	---	1	---	---	---	---	---	---	1	---	---	---	1
SS85.1	119+13.0	45.0' RT	STH 116	---	---	---	---	---	---	---	1	---	---	---	---	---	---	1	1
SS85.2	119+13.0	23.5' RT	STH 116	---	---	---	---	---	1	---	---	---	1	---	---	---	---	---	1
SS85.3	119+20.0	23.5' LT	STH 116	---	---	---	---	---	1	---	---	---	1	---	---	---	---	---	1
SS90.0	121+15.0	0.0' RT	STH 116	---	---	---	---	1	---	---	---	---	---	---	1	---	---	---	1
SS90.1	121+15.0	23.5' RT	STH 116	---	---	---	---	---	1	---	---	---	1	---	---	---	---	---	1
SS90.2	52+03.5	17.5' RT	5TH ST	---	---	---	---	---	---	1	---	1	---	---	---	---	---	---	1
SS90.3	51+90.2	20.4' RT	5TH ST	---	---	---	---	---	---	---	1	---	---	---	---	---	---	1	1
SS90.4	53+03.0	17.6' LT	5TH ST	---	---	---	---	---	1	---	---	---	1	---	---	---	---	---	1
SS90.5	121+15.0	23.5' LT	STH 116	---	---	---	---	---	1	---	---	1	---	---	---	---	---	---	1
SS90.6	52+97.0	17.5' RT	5TH ST	---	---	---	---	---	---	1	---	---	1	---	---	---	---	---	1
SS90.7	52+97.0	17.6' LT	5TH ST	---	---	---	---	---	1	---	---	---	1	---	---	---	---	---	1
SS90.8	121+80.0	43.0' LT	STH 116	---	---	---	---	---	---	---	1	---	---	---	---	---	---	1	1
SS95.0	124+21.2	0.0' RT	STH 116	---	---	---	---	1	---	---	---	---	---	---	1	---	---	---	1
SS95.1	124+27.2	30.1' RT	STH 116	---	---	---	---	---	---	1	---	1	---	---	---	---	---	---	1
SS95.1A	124+45.0	23.5' RT	STH 116	---	---	---	---	---	1	---	---	---	1	---	---	---	---	---	1
SS95.2	42+04.0	17.5' RT	S 4TH ST	---	---	---	---	---	1	---	---	---	1	---	---	---	---	---	1
SS95.3	42+06.0	17.5' LT	S 4TH ST	---	---	---	---	---	1	---	---	---	1	---	---	---	---	---	1
SS95.4	124+45.0	23.5' LT	STH 116	---	---	---	---	---	1	---	---	---	1	---	---	---	---	---	1
SS95.5	124+60.0	23.5' LT	STH 116	---	---	---	---	---	1	---	---	---	1	---	---	---	---	---	1
SS115.0	36+03.0	0.0' RT	3 3RD AV	---	---	---	---	1	---	---	---	---	---	1	---	---	---	---	1
SS115.1	152+03.8	37.5' RT	STH 116	---	---	---	---	---	1	---	---	---	1	---	---	---	---	---	1
SS115.2	36+05.5	18.5' LT	3 3RD AV	---	---	---	---	---	---	1	---	---	1	---	---	---	---	---	1
SS115.3	151+42.0	23.0' RT	STH 116	---	---	---	---	---	1	---	---	1	---	---	---	---	---	---	1
SS115.4	151+42.0	23.0' LT	STH 116	---	---	---	---	---	1	---	---	---	1	---	---	---	---	---	1
SS115.5	151+50.0	38.5' LT	STH 116	---	---	---	---	---	---	---	1	---	---	---	---	---	---	1	1
SS115.6	151+29.0	39.0' RT	STH 116	---	---	---	---	---	---	---	1	---	---	---	---	---	---	1	1
SS115.7	152+25.0	23.0' RT	STH 116	---	---	---	---	---	---	1	---	---	1	---	---	---	---	---	1
SS120.0	154+95.7	8.0' LT	STH 116	---	---	---	---	1	---	---	---	---	---	---	1	---	---	---	1
SS125.0	153+49.9	8.0' LT	STH 116	---	---	---	---	1	---	---	---	---	---	1	---	---	---	---	1
SS125.1	153+00.0	23.0' RT	STH 116	---	---	---	---	---	---	1	---	---	1	---	---	---	---	---	1
SS125.2	153+50.0	23.0' LT	STH 116	---	---	---	---	---	---	1	---	---	1	---	---	---	---	---	1
SS130.0	155+75.1	7.8' LT	STH 116	---	---	---	---	1	---	---	---	---	---	1	---	---	---	---	1
SS130.1	155+75.0	22.7' RT	STH 116	---	---	---	---	---	---	1	---	---	1	---	---	---	---	---	1
SS130.2	155+75.0	22.7' LT	STH 116	---	---	---	---	---	---	1	---	---	1	---	---	---	---	---	1
SS135.0	66+77.9	10.3' RT	6TH AV	---	---	---	---	1	---	---	---	---	---	---	1	---	---	---	1
SS135.1	160+48.1	17.5' LT	STH 116	---	---	---	---	---	---	1	---	---	1	---	---	---	---	---	1
SS135.2	160+48.1	23.5' RT	STH 116	---	---	---	---	---	1	---	---	---	1	---	---	---	---	---	1
SS135.3	160+33.1	23.5' RT	STH 116	---	---	---	---	---	1	---	---	---	1	---	---	---	---	---	1
SS135.4	160+33.1	17.5' LT	STH 116	---	---	---	---	---	---	1	---	---	1	---	---	---	---	---	1
SS140.0	164+53.0	16.0' RT	STH 116	---	---	---	---	1	---	---	---	---	---	---	1	---	---	---	1
SS140.1	165+50.0	23.5' LT	STH 116	---	---	---	---	---	---	1	---	---	1	---	---	---	---	---	1
			PAGE SUBTOTALS	0	0	0	0	9	16	12	5	4	24	3	6	0	0	5	42

STORM SEWER STRUCTURES - CONTINUED

STRUCT	STATION	OFFSET	ROADWAY	522.1012 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 12-INCH EACH	522.1024 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 24-INCH EACH	522.103 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 30-INCH EACH	522.1042 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 42-INCH EACH	611.0530 MANHOLE COVERS TYPE J EACH	611.0624 INLET COVERS TYPE H EACH	611.0639 INLET COVERS TYPE H-S EACH	611.0612 INLET COVERS TYPE C EACH	611.1004 CATCH BASINS 4-FT DIAMETER EACH	611.1230 CATCH BASINS 2X3-FT EACH	611.2004 MANHOLES 4-FT DIAMETER EACH	611.2005 MANHOLES 5-FT DIAMETER EACH	611.2006 MANHOLES 6-FT DIAMETER EACH	611.2007 MANHOLES 7-FT DIAMETER EACH	611.3003 INLETS 3-FT DIAMETER EACH	650.4000 CONSTRUCTION STAKING STORM SEWER EACH
PROJECT 6190-15-71																			
CATEGORY 0010																			
SS145.0	163+45.0	16.5' RT	STH 116	---	---	---	---	1	---	---	---	---	---	---	1	---	---	---	1
SS145.1	163+38.0	22.3' RT	STH 116	---	---	---	---	---	---	1	---	---	1	---	---	---	---	---	1
SS145.2	163+38.0	22.3' LT	STH 116	---	---	---	---	---	---	1	---	---	1	---	---	---	---	---	1
SS150.0	171+08.3	22.2' LT	STH 116	---	---	---	---	1	---	---	---	---	---	---	---	---	1	---	1
SS150.1	171+61.8	48.4' LT	STH 116	---	---	---	---	---	---	1	---	---	1	---	---	---	---	---	1
SS150.2	171+01.4	44.5' LT	STH 116	---	---	---	---	---	1	---	---	---	1	---	---	---	---	---	1
SS155.0	171+01.1	0.0' RT	STH 116	---	---	---	---	1	---	---	---	---	---	---	1	---	---	---	1
SS155.1	171+20.0	23.5' RT	STH 116	---	---	---	---	---	1	---	---	---	1	---	---	---	---	---	1
SS160.0	168+43.0	6.0' RT	STH 116	---	---	---	---	1	---	---	---	---	---	---	1	---	---	---	1
SS160.1	168+43.0	23.5' RT	STH 116	---	---	---	---	---	---	1	---	---	1	---	---	---	---	---	1
SS160.2	168+43.0	23.5' LT	STH 116	---	---	---	---	---	---	1	---	---	1	---	---	---	---	---	1
SS160.3	168+33.4	23.5' RT	STH 116	---	---	---	---	---	---	1	---	---	1	---	---	---	---	---	1
SS165.0	301+40.2	11.1' LT	E OUTFALL	---	---	1	---	---	---	---	---	---	---	---	---	---	---	---	1
SS166.0	303+28.8	11.3' LT	E OUTFALL	---	---	---	---	1	---	---	---	---	---	---	1	---	---	---	1
SS167.0	182+70.3	122.5' RT	STH 116	---	---	---	---	1	---	---	---	---	---	---	1	---	---	---	1
SS168.0	182+88.6	71.7' RT	STH 116	---	---	---	---	1	---	---	---	---	---	---	1	---	---	---	1
SS170.0	182+85.1	27.9' RT	STH 116	---	---	---	---	1	---	---	---	---	---	---	1	---	---	---	1
SS175.0	182+36.1	0.0' RT	STH 116	---	---	---	---	1	---	---	---	---	---	---	---	1	---	---	1
SS175.1	182+50.0	23.5' LT	STH 116	---	---	---	---	---	---	1	---	---	1	---	---	---	---	---	1
SS175.2	182+53.6	33.6' LT	STH 116	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1
SS175.3	182+14.0	23.5' RT	STH 116	---	---	---	---	---	---	1	---	---	1	---	---	---	---	---	1
SS175.4	182+00.0	23.5' RT	STH 116	---	---	---	---	---	---	1	---	---	1	---	---	---	---	---	1
SS175.5	182+11.0	41.6' RT	STH 116	---	---	---	---	---	---	---	1	---	---	---	---	---	---	1	1
SS180.0	180+92.4	1.8' RT	STH 116	---	---	---	---	1	---	---	---	---	---	---	1	---	---	---	1
SS185.0	179+01.1	0.0' RT	STH 116	---	---	---	---	1	---	---	---	---	---	---	1	---	---	---	1
SS185.1	179+01.1	23.5' RT	STH 116	---	---	---	---	---	1	---	---	---	1	---	---	---	---	---	1
SS185.2	179+01.1	23.5' LT	STH 116	---	---	---	---	---	1	---	---	---	1	---	---	---	---	---	1
SS190.0	177+10.1	0.0' RT	STH 116	---	---	---	---	1	---	---	---	---	---	---	1	---	---	---	1
SS190.1	177+09.1	23.5' RT	STH 116	---	---	---	---	---	1	---	---	---	1	---	---	---	---	---	1
SS195.0	175+01.1	0.0' RT	STH 116	---	---	---	---	1	---	---	---	---	---	---	1	---	---	---	1
SS195.1	175+01.1	23.5' RT	STH 116	---	---	---	---	---	1	---	---	---	1	---	---	---	---	---	1
SS195.2	175+01.1	23.5' LT	STH 116	---	---	---	---	---	1	---	---	---	1	---	---	---	---	---	1
SS195.3	174+76.1	23.5' LT	STH 116	---	---	---	---	---	1	---	---	---	1	---	---	---	---	---	1
SS195.4	174+76.1	23.5' RT	STH 116	---	---	---	---	---	1	---	---	---	1	---	---	---	---	---	1
SS205.0	213+72.5	0.7' LT	13TH AV	---	---	---	---	1	---	---	---	---	---	---	1	---	---	---	1
SS205.1	186+61.1	23.5' LT	STH 116	---	---	---	---	---	1	---	---	---	1	---	---	---	---	---	1
SS205.2	186+61.1	23.5' RT	STH 116	---	---	---	---	---	1	---	---	---	1	---	---	---	---	---	1
SS205.3	185+41.1	23.5' RT	STH 116	---	---	---	---	---	1	---	---	---	1	---	---	---	---	---	1
			PAGE SUBTOTALS	1	0	1	0	14	12	9	1	0	21	0	12	1	1	1	38
			PROJECT TOTALS	1	1	1	1	33	41	31	12	5	67	4	20	7	3	11	121

UNDERDRAIN

STATION	STRUCTURE	ROADWAY	310.0110 BASE AGGREGATE OPEN GRADED TON	612.0106 PIPE UNDERDRAIN 6-INCH LF	645.0111 GEOTEXTILE FABRIC TYPE DF SCHEDULE A SY
PROJECT 6190-15-71					
CATEGORY 0010					
105+75	SS50.1	STH 116	1.5	20	11
109+52	SS55.1	STH 116	0.7	10	6
109+67	SS55.2	STH 116	0.7	10	6
116+50	SS80.2	STH 116	0.7	10	6
116+65	SS80.3	STH 116	0.7	10	6
124+45	SS95.1A	STH 116	1.5	20	11
129+67	SS40.5	STH 116	0.7	10	6
129+82	SS40.2	STH 116	0.7	10	6
21+83	SS41.1	2ND ST	0.7	10	6
151+42	SS115.3	STH 116	1.5	20	11
36+05	SS115.2	3RD AVE	1.5	20	11
152+25	SS115.7	STH 116	1.5	20	11
153+00	SS125.1	STH 116	1.5	20	11
153+50	SS125.2	STH 116	1.5	20	11
155+75	SS130.2	STH 116	1.5	20	11
155+75	SS130.1	STH 116	1.5	20	11
163+38	SS145.2	STH 116	1.5	20	11
163+38	SS145.1	STH 116	1.5	20	11
165+50	SS140.1	STH 116	1.5	20	11
168+33	SS160.3	STH 116	0.7	10	6
168+43	SS160.2	STH 116	1.5	20	11
168+43	SS160.1	STH 116	0.7	10	6
96+88	SS150.2	9TH AVE	1.5	20	11
97+14	SS150.1	9TH AVE	1.5	20	11
182+01	SS175.4	STH 116	0.7	10	6
182+21	SS175.3	STH 116	0.7	10	6
182+51	SS175.1	STH 116	1.5	20	11
	PROJECT TOTALS		32	430	239

MINI STORM SEWER

STATION TO STATION	DIR	ROADWAY	SPV.0090.001 MINI STORM LATERAL 4-INCH LF	SPV.0090.002 MINI STORM TRUNK 6-INCH LF	COMMENTS
PROJECT 6190-15-71					
CATEGORY 0010					
109+38	RT	STH 116	10	---	CONNECT EXISTING LATERAL TO SS TRUNK
111+88	RT	STH 116	---	22	CONNECT EXISTING LATERAL TO SS65.1
INL 70.3 TO TRUNK	RT	STH 116	---	35	
	PROJECT TOTALS		10	57	

GEOTEXTILE FABRIC

STATION TO STATION	ROADWAY	645.0140 GEOTEXTILE FABRIC TYPE SAS SY	COMMENTS
PROJECT 6190-15-71			
CATEGORY 0010			
UNDISTRIBUTED	STH 116	4,400	10% ROADWAY AREA
	PROJECT TOTAL	4,400	

TEMPORARY SHORING

STATION	OFFSET	ROADWAY	511.1100 SF	COMMENTS
PROJECT 6190-15-71				
CATEGORY 0010				
100+00	RT	STH 116	250	SS43.0 OUTFALL
		PROJECT TOTAL	250	

EROSION CONTROL

STATION		TO STATION	ROADWAY	628.1504 SILT FENCE LF	628.1520 SILT FENCE MAINTENANCE LF	628.1905 MOBILIZATIONS EROSION CONTROL EA	628.1910 MOBILIZATIONS EMERGENCY EROSION CONTROL EA	628.7005 INLET PROTECTION TYPE A EA	628.7010 INLET PROTECTION TYPE B EA	628.7015 INLET PROTECTION TYPE C EA	628.7020 INLET PROTECTION TYPE D EA	628.7504 TEMPORARY DITCH CHECKS LF	628.7555 CULVERT PIPE CHECKS EA	SPV.0075.001 STREET SWEEPING HRS
PROJECT 6190-15-71														
CATEGORY 0010														
100+00	-	103+13	STH 116	180	180	---	---	---	---	---	---	---	---	---
103+13	-	108+75	STH 116	490	490	---	---	1	---	---	1	---	1	---
108+75	-	114+75	STH 116	160	160	---	---	10	2	6	2	---	---	---
114+75	-	120+75	STH 116	---	---	---	---	15	4	11	---	---	---	---
120+75	-	126+75	STH 116	---	---	---	---	12	3	10	---	---	---	---
126+75	-	132+60	STH 116	---	---	---	---	7	---	7	---	---	---	---
149+60	-	155+50	STH 116	---	---	---	---	9	2	6	---	---	---	---
155+50	-	161+50	STH 116	---	---	---	---	6	---	4	2	---	---	---
161+50	-	167+50	STH 116	---	---	---	---	3	---	1	2	---	---	---
167+50	-	173+50	STH 116	---	---	---	---	6	---	3	3	---	---	---
173+50	-	179+50	STH 116	---	---	---	---	8	2	6	---	---	---	---
179+50	-	185+50	STH 116	---	---	---	---	5	1	1	3	---	1	---
185+50	-	188+00	STH 116	---	---	---	---	2	---	2	---	---	---	---
KWIK TRIP SS OUTFALL				350	350	---	---	---	---	---	---	---	---	---
UNDISTRIBUTED				300	300	6	3	6	6	3	2	50	1	130
PROJECT TOTALS				1,480	1,480	6	3	90	20	60	15	50	3	130

RESTORATION

STATION		TO STATION	ROADWAY	SPV.0120.001 WATER FOR SEEDED AREAS MGAL	625.0100 TOPSOIL SY	628.2006 EROSION MAT URBAN CLASS I TYPE A SY	629.0210 FERTILIZER TYPE B CWT	630.0140 SEEDING MIXTURE #40 LB	630.0200 SEEDING TEMPORARY LB
PROJECT 6190-15-71									
CATEGORY 0010									
100+00	-	103+13	STH 116	10	570	570	0.4	10	0
103+13	-	108+75	STH 116	60	2,740	2,740	1.7	49	0
108+75	-	114+75	STH 116	40	1,980	1,980	1.2	36	0
114+75	-	120+75	STH 116	40	1,770	1,770	1.1	32	0
120+75	-	126+75	STH 116	40	1,590	1,590	1.0	29	0
126+75	-	132+60	STH 116	10	590	590	0.4	11	0
149+60	-	155+50	STH 116	30	1,260	1,260	0.8	23	0
155+50	-	161+50	STH 116	20	1,110	1,110	0.7	20	0
161+50	-	167+50	STH 116	20	1,070	1,070	0.7	19	0
167+50	-	173+50	STH 116	30	1,130	1,130	0.7	20	0
173+50	-	179+50	STH 116	20	820	820	0.5	15	0
179+50	-	185+50	STH 116	20	1,030	1,030	0.7	19	0
185+50	-	188+00	STH 116	10	430	430	0.3	8	0
KWIK TRIP SS OUTFALL				20	700	700	0.4	13	0
UNDISTRIBUTED				90	4,200	4,200	2.6	76	57
PROJECT TOTALS				460	20,990	20,990	13.2	378	57

TRAFFIC CONTROL SUMMARY

CATEGORY	STAGE	LOCATION	APPROX. SERVICE DAYS	643.0300 TRAFFIC CONTROL DRUMS NO IN SERVICE	643.0300 DAYS	643.0410 TRAFFIC CONTROL BARRICADES TYPE II NO IN SERVICE	643.0410 DAYS	643.0420 TRAFFIC CONTROL BARRICADES TYPE III NO IN SERVICE	643.0420 DAYS	643.0705 TRAFFIC CONTROL WARNING LIGHTS TYPE A NO IN SERVICE	643.0705 DAYS	643.0900 TRAFFIC CONTROL SIGNS NO IN SERVICE	643.0900 DAYS	643.1050 TRAFFIC CONTROL SIGNS PCMS NO IN SERVICE	643.1050 DAYS
0010	1A	3RD STREET AND 2ND STREET	36	0	0	2	72	14	504	16	576	14	504		
		SUBTOTALS			**0**		**72**		**504**		**576**		**504**		**0**
0010	1B	STH 116	227	65	14755			12	2724	16	3632	13	2951	2	14
		9TH, 7TH, 6TH, 5TH, 4TH STREETS	227	30	6810	8	1816	20	4540	24	5448	26	5902		0
		3RD STREET AND 2ND STREET	191		0			6	1146	6	1146	8	1528		0
		3RD, 4TH, 6TH AND 7TH AVENUES	172		0	6	1032	8	1376	6	1032	18	3096		0
		SUBTOTALS			**21565**		**2848**		**9786**		**11258**		**13477**		**14**
0010	2	3RD, 4TH, 6TH AND 7TH AVENUES	55	60	3300	4	220	29	1595	14	770	44	2420		
		SUBTOTALS			**3300**		**220**		**1595**		**770**		**2420**		**0**
		TOTALS			**24,865**		**3,140**		**11,885**		**12,604**		**16,401**		**14**

TRAFFIC CONTROL

CATEGORY	LOCATION	643.5000 EA	REMARKS
0010	PROJECTWIDE	1	
	TOTALS	**1**	

TEMPORARY PORTABLE RUMBLE STRIPS

CATEGORY	LOCATION	643.0310.S LS	REMARKS
0010	STH 116/13TH STREET INTERSECTION	1	
	TOTALS	**1**	

TEMPORARY PEDESTRIAN SAFETY FENCE

CATEGORY	LOCATION		644.1616.S LF	REMARKS
0010	STH 116, 3RD ST - 2ND ST	RT	360	
0010	STH 116, 3RD ST - 2ND ST	LT	370	
0010	STH 116, 2ND ST - STA. 132+60	RT	200	
0010	STH 116, 2ND ST - STA. 132+60	LT	215	
0010	STH 116, STA. 150+50 - 3RD AVE	RT	100	
0010	STH 116, 3RD AVE - 4TH AVE	RT	290	
0010	STH 116, 4TH AVE - STA. 156+00	RT	90	
0010	STH 116, STA. 163+40 - 7TH AVE	RT	75	
0010	STH 116, 7TH AVE - STA. 166+25	RT	80	
	TOTALS		**1,780**	

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TEMPORARY PEDESTRIAN SURFACE ASPHALT

CATEGORY	LOCATION	644.1410.S SF	REMARKS
0010	STH 116 CROSSING AT 7TH STREET	610	
0010	STH 116 CROSSING AT 5TH STREET	440	
0010	STH 116 CROSSING AT 2ND STREET	370	
0010	STH 116, STA. 150+95 - STA. 151+60, RT	325	
0010	STH 116 CROSSING AT 3RD AVENUE	300	
0010	STH 116 CROSSING AT 6TH AVENUE	265	
0010	STH 116 CROSSING AT 7TH AVENUE	485	
0010	STH 116, STA. 166+10 - STA. 180+85, RT	7375	
0010	STH 116 CROSSING AT 9TH AVENUE	305	
0010	S. 6TH STREET CROSSING	200	
0010	S. 5TH STREET CROSSING	200	
0010	S. 4TH STREET CROSSING	200	
0010	N. 3RD STREET CROSSING	295	
0010	S. 3RD STREET CROSSING	215	
0010	N. 2ND STREET CROSSING	330	
0010	S. 2ND STREET CROSSING	330	
0010	S. 4TH AVENUE CROSSING	265	
0010	UNDISTRIBUTED PATCHING FOR STORM/SANITARY/WATER CROSSINGS	2350	
	TOTALS	**14860**	

TEMPORARY CURB RAMP

CATEGORY	LOCATION		644.1601.S EA	REMARKS
0010	STH 116 AT 7TH ST	RT	1	
0010	STH 116 AT 3RD AVE	RT	1	
0010	STH 116 AT 6TH AVE	RT	1	
0010	STH 116 AT 7TH AVE	RT	1	
0010	STH 116 AT 9TH AVE	RT	1	
0010	S. 6TH ST	RT & LT	2	
0010	S. 5TH ST	RT & LT	2	
0010	S. 4TH ST	RT & LT	2	
0010	N. 3RD ST	RT & LT	2	
0010	S. 3RD ST	RT & LT	4	
0010	N. 2ND ST	RT & LT	2	
0010	S. 2ND ST	RT & LT	4	
0010	S. 3RD AVE	RT & LT	2	
0010	S. 9TH AVE	RT & LT	2	
		TOTALS	**27**	

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PAVEMENT MARKING

STATION - STATION			ROADWAY	646.1020 LINE EPOXY 4-INCH (YELLOW) LF	646.1020 LINE EPOXY 4-INCH (WHITE) LF	646.3020 LINE EPOXY 8-INCH (WHITE) LF	646.5020 ARROW EPOXY TYPE 2 (WHITE) EA	646.5020 ARROW EPOXY BIKE LANE (WHITE) EA	646.5220 SYMBOL EPOXY BIKE LANE (WHITE) EA	646.5120 WORD BIKE LANE (WHITE) EA	646.6120 STOP LINE EPOXY 18-INCH (WHITE) LF	646.8320 PARKING STALL EPOXY (WHITE) LF	646.7120 DIAGONAL EPOXY 12-INCH (YELLOW) LF	646.7420 CROSSWALK EPOXY TRANSVERSE LINE 6-INCH (WHITE) LF
PROJECT 6190-15-71														
CATEGORY 0010														
103+13	-	108+75	STH 116	141	1,357	---	---	2	2	---	---	---	---	---
108+75	-	114+75	STH 116	149	1,927	---	---	4	4	3	---	---	---	88
114+75	-	120+75	STH 116	239	1,924	---	---	6	6	---	---	---	---	162
120+75	-	126+75	STH 116	704	1,934	---	---	8	8	---	---	---	---	191
126+75	-	132+60	STH 116	1,060	740	---	---	6	6	---	45	260	---	376
149+60	-	155+50	STH 116	945	943	321	---	6	6	---	---	26	---	108
155+50	-	161+50	STH 116	1,200	1,667	50	---	5	5	---	---	---	---	---
161+50	-	167+50	STH 116	1,295	1,250	272	1	5	5	---	---	---	35	109
167+50	-	173+50	STH 116	1,405	958	205	3	6	6	---	---	---	87	259
173+50	-	179+50	STH 116	1,500	1,200	---	2	5	5	---	---	---	---	---
179+50	-	185+50	STH 116	1,335	1,166	78	4	5	5	---	---	---	40	---
185+50	-	189+58	STH 116	1,040	199	---	---	2	2	---	---	---	110	---
			PROJECT TOTALS	11,012	15,265	926	10	60	60	3	45	286	272	1,294
				26,276										

CONSTRUCTION STAKING

STATION		TO STATION	ROADWAY	650.4500 SUBGRADE LF	650.5000 BASE LF	650.9910 SUPPLEMENTAL CONTROL LS	650.9920 SLOPE STAKES LF
PROJECT 6190-15-71							
CATEGORY 0010							
103+13	-	108+75	STH 116	562	562	---	562
108+75	-	114+75	STH 116	600	600	---	600
114+75	-	120+75	STH 116	600	600	---	600
120+75	-	126+75	STH 116	600	600	---	600
126+75	-	132+60	STH 116	585	585	---	585
149+60	-	155+50	STH 116	590	590	---	590
155+50	-	161+50	STH 116	600	600	---	600
161+50	-	167+50	STH 116	600	600	---	600
167+50	-	173+50	STH 116	600	600	---	600
173+50	-	179+50	STH 116	600	600	---	600
179+50	-	185+50	STH 116	600	600	---	600
185+50	-	188+00	STH 116	250	250	---	250
93+00	-	94+15	9TH ST	115	115	---	115
73+00	-	73+30	7TH ST	30	30	---	30
61+68	-	62+00	S 6TH ST	32	32	---	32
63+00	-	63+13	N 6TH ST	13	13	---	13
51+30	-	52+00	S 5TH ST	70	70	---	70
53+00	-	53+56	N 5TH ST	56	56	---	56
43+00	-	43+56	N 4TH ST	56	56	---	56
33+00	-	33+56	N 3RD ST	56	56	---	56
21+77	-	22+00	S 2ND ST	23	23	---	23
23+00	-	23+35	N 2ND ST	35	35	---	35
35+75	-	36+00	S 3RD AV	25	25	---	25
37+00	-	37+25	N 3RD AV	25	25	---	25
45+75	-	46+00	S 4TH AV	25	25	---	25
67+00	-	67+25	N 6TH AV	25	25	---	25
75+75	-	76+00	S 7TH AV	25	25	---	25
77+00	-	77+15	N 7TH AV	15	15	---	15
97+00	-	97+43	N 9TH AV	43	43	---	43
213+50	-	213+78	N 13TH AV	28	28	---	28
301+00	-	304+40	KWIK TRIP OUTFALL	---	---	---	340
UNDISTRIBUTED				---	---	1	---
			PROJECT TOTALS	7,484	7,484	1	7,824

NOTES: CONSTRUCTION STAKING STORM SEWER LOCATED IN STORM SEWER TABLE.
CONSTRUCTION STAKING CURB AND GUTTER LOCATED IN CURB AND GUTTER TABLE.
CONSTRUCTION STAKING ELECTRICAL INSTALLATION LOCATED ELSEWHERE.

SEISMOGRAPH/VIBRATION MONITORING

LOCATION	SPV.0105.001 LS
PROJECT 6190-15-71	
CATEGORY 0010	
3RD STREET - 2ND AVENUE	1
PROJECT TOTAL	1

SAWING

STATION		TO STATION	ROADWAY	690.0150 ASPHALT LF	690.0250 CONCRETE LF	COMMENT
PROJECT 6190-15-71						
CATEGORY 0010						
103+13	-	108+75	STH 116	30	---	
108+75	-	114+75	STH 116	75	---	
114+75	-	120+75	STH 116	60	65	
120+75	-	126+75	STH 116	225	95	
126+75	-	132+60	STH 116	---	940	
149+60	-	155+50	STH 116	50	40	
155+50	-	161+50	STH 116	60	100	
161+50	-	167+50	STH 116	120	40	
167+50	-	173+50	STH 116	170	---	
173+50	-	179+50	STH 116	800	5	
179+50	-	185+50	STH 116	720	10	INCL KWIK TRIP OUTFALL
185+50	-	188+00	STH 116	180	5	
92+70	-	94+15	9TH ST	20	---	
72+72	-	73+30	7TH ST	30	---	
61+68	-	62+28	S 6TH ST	30	---	
62+72	-	63+13	N 6TH ST	35	---	
51+30	-	52+28	S 5TH ST	25	---	
52+72	-	53+56	N 5TH ST	25	10	
42+00	-	42+28	S 4TH ST	35	15	
42+72	-	43+56	N 4TH ST	25	10	
32+00	-	32+34	S 3RD ST	45	15	
32+66	-	33+55	N 3RD ST	90	110	
21+77	-	22+34	S 2ND ST	55	100	
22+66	-	23+35	N 2ND ST	55	120	
35+75	-	36+29	S 3RD AV	35	15	
36+71	-	37+25	N 3RD AV	35	25	
45+75	-	46+29	S 4TH AV	35	5	
46+71	-	47+02	N 4TH AV	30	10	
66+66	-	67+25	6TH AV	35	35	
75+75	-	76+28	S 7TH AV	75	5	
76+72	-	77+15	N 7TH AV	35	5	
96+74	-	97+43	9TH AV	70	10	
213+22	-	213+78	13TH AV	35	5	
UNDISTRIBUTED				105	25	
			PROJECT TOTALS	3,450	1,820	

TREE TRIMMING

STATION	OFFSET FT	DIR	ROADWAY	SPV.0060.007 CLEARING EA	COMMENT
PROJECT 6190-15-71					
CATEGORY 0010					
UNDISTRIBUTED				20	
			PROJECT TOTALS	20	

TRAFFIC CONTROL DETOUR SIGN SUMMARY

SIGN NO.	LOCATION	SIGN CODE	SIZE W X H	NUMBER IN SERVICE	APPROX. SERVICE PERIOD 227 DAYS	643.0900 TRAFFIC CONTROL SIGNS DAYS	643.0420 BARRICADES TYPE III DAYS	643.0705 WARNING LIGHTS TYPE A DAYS	643.1050 SIGNS PORTABLE CHANGEABLE MESSAGE DAYS	NO OF CYCLES	643.0910 COVERING SIGNS TYPE I EACH	NO OF CYCLES	643.0920 COVERING SIGNS TYPE II EACH	REMARKS
1	500'S OF J1-1 (JCT 21) ON HWY 116 (EB)	WO 20-2-A	48"x48"	1	227	227								
2	ABOVE J1-1 (JCT 21) ON HWY 116 (EB)	MO 4-8	24"x12"	1	227	227								
	"	M 3-2	24"x12"	1	227	227								
	"	M 1-6	24"x24"	1	227	227								116
	"	MO 5-1-R	21"x21"	1	227	227								
3	D 1-3 (LT-WAUTOMA/WINNECONNE; OSHKOSH-RT) ON HWY 116 (EB)											1	1	WINNECONNE
4	MODIFY J3-3 (W-21-LT; E-116-LT; E-21-RT) ON HWY 116 (EB-SOUTH LEG)	MO 4-8	24"x12"	1	227	227								
	"	M 3-2	EXISTING											
	"	M 1-6	EXISTING											116
	"	MO 6-1	21"x21"	1	227	227								RIGHT
5	NW QUAD OF HWY 21 & STH 116 INTERSECTION (SOUTH LEG) ON HWY 21 (WB)	M 1-6	24"x24"	1	227	227								
	"	R 11-3	60"x30"	1	227	227	227	454						5 3/4 MILE
6	BELOW SIGN # 5	MO 4-9-R	30"x24"	1	227	227								
7	J3-2 (W-21-RT; E-116-RT) ON HWY 21 (WB)											1	1	EAST 116 RIGHT
8	200' E OF HWY 116 INTERSECTION ON HWY 21 (EB)	MO 4-8	24"x12"	1	227	227								
	"	M 3-2	EXISTING											
	"	M 1-6	EXISTING											116
	"	MO 6-1	21"x21"	1	227	227								AHEAD
9	D 1-3 (AH-WAUTOMA/WINNECONNE; LT-BERLIN) ON HWY 21 (WB)											1	1	WINNECONNE
10	MODIFY J1-1 (JCT 116; JCT F) ON HWY 21 (WB-SOUTH LEG)	MO 4-8-A	24"x12"	1	227	227								
	"	M 1-6	EXISTING											116
11	LT OF J 4-1 (EAST 21) ON HWY 21 (EB) @ OMRO EAST LIMITS	MO 4-8	24"x12"	1	227	227								
	"	M 3-2	24"x12"	1	227	227								
	"	M 1-6	24"x24"	1	227	227								116
	"	MO 6-1	21"x21"	1	227	227								AHEAD
12	ACROSS FROM SIGN # 11 ON HWY 21 (WB)	MO 4-8	24"x12"	1	227	227								
	"	M 3-4	24"x12"	1	227	227								
	"	M 1-6	24"x24"	1	227	227								116
	"	MO 6-1	21"x21"	1	227	227								AHEAD
13	LT OF J4-1 (W-21) @ CTY FF ON HWY 21 (WB)	MO 4-8	24"x12"	1	227	227								
	"	M 3-4	24"x12"	1	227	227								
	"	M 1-6	24"x24"	1	227	227								116
	"	MO 6-1	21"x21"	1	227	227								AHEAD
14	LT OF J4-1 (E-21) @ CTY FF ON HWY 21 (EB)	MO 4-8	24"x12"	1	227	227								
	"	M 3-2	24"x12"	1	227	227								
	"	M 1-6	24"x24"	1	227	227								116
	"	MO 6-1	21"x21"	1	227	227								AHEAD
15	500' W OF LEONARD POINT RD INTERSECTION ON HWY 21 (WB)	MO 4-8	24"x12"	1	227	227								
	"	M 3-4	24"x12"	1	227	227								
	"	M 1-6	24"x24"	1	227	227								116
	"	MO 6-1	21"x21"	1	227	227								AHEAD
16	200' E OF LEONARD POINT RD INTERSECTION ON HWY 21 (EB)	MO 4-8	24"x12"	1	227	227								
	"	M 3-2	24"x12"	1	227	227								
	"	M 1-6	24"x24"	1	227	227								116
	"	MO 6-1	21"x21"	1	227	227								AHEAD
	PAGE SUBTOTALS			37		8,399	227	454	0		0		3	

TRAFFIC CONTROL DETOUR SIGN SUMMARY - CONTINUED

SIGN NO.	LOCATION	SIGN CODE	SIZE W X H	NUMBER IN SERVICE	APPROX. SERVICE PERIOD 227 DAYS	643.0900 TRAFFIC CONTROL SIGNS DAYS	643.0420 BARRICADES TYPE III DAYS	643.0705 WARNING LIGHTS TYPE A DAYS	643.1050 SIGNS PORTABLE CHANGEABLE MESSAGE DAYS	NO OF CYCLES	643.0910 COVERING SIGNS TYPE I EACH	NO OF CYCLES	643.0920 COVERING SIGNS TYPE II EACH	REMARKS
17	200' W OF OAKWOOD RD INTERSECTION ON HWY 21 (WB)	MO 4-8	24"x12"	1	227	227								
	"	M 3-4	24"x12"	1	227	227								
	"	M 1-6	24"x24"	1	227	227								116
	"	MO 6-1	21"x21"	1	227	227								AHEAD
18	ACROSS FROM SIGN # 17 (MEDIAN SIDE)	MO 4-8	24"x12"	1	227	227								
	"	M 3-4	24"x12"	1	227	227								
	"	M 1-6	24"x24"	1	227	227								116
	"	MO 6-1	21"x21"	1	227	227								AHEAD
19	200' E OF OAKWOOD RD INTERSECTION ON HWY 21 (EB)	MO 4-8	24"x12"	1	227	227								
	"	M 3-2	24"x12"	1	227	227								
	"	M 1-6	24"x24"	1	227	227								116
	"	MO 6-1	21"x21"	1	227	227								AHEAD
20	ACROSS FROM SIGN # 19 (MEDIAN SIDE)	MO 4-8	24"x12"	1	227	227								
	"	M 3-2	24"x12"	1	227	227								
	"	M 1-6	24"x24"	1	227	227								116
	"	MO 6-1	21"x21"	1	227	227								AHEAD
21	200' W OF WESTHAVEN ST INTERSECTION ON HWY 21 (WB)	MO 4-8	24"x12"	1	227	227								
	"	M 3-4	24"x12"	1	227	227								
	"	M 1-6	24"x24"	1	227	227								116
	"	MO 6-1	21"x21"	1	227	227								AHEAD
22	ACROSS FROM SIGN # 21 (MEDIAN SIDE)	MO 4-8	24"x12"	1	227	227								
	"	M 3-4	24"x12"	1	227	227								
	"	M 1-6	24"x24"	1	227	227								116
	"	MO 6-1	21"x21"	1	227	227								AHEAD
23	200' E OF WESTHAVEN ST INTERSECTION ON HWY 21 (EB)	MO 4-8	24"x12"	1	227	227								
	"	M 3-2	24"x12"	1	227	227								
	"	M 1-6	24"x24"	1	227	227								116
	"	MO 6-1	21"x21"	1	227	227								AHEAD
24	ACROSS FROM SIGN # 23 (MEDIAN SIDE)	MO 4-8	24"x12"	1	227	227								
	"	M 3-2	24"x12"	1	227	227								
	"	M 1-6	24"x24"	1	227	227								116
	"	MO 6-1	21"x21"	1	227	227								AHEAD
25	RT LEG OF SIGN BRIDGE # S-70-0098 ON HWY 21 (EB)	MO 4-8	24"x12"	1	227	227								
	"	M 3-2	24"x12"	1	227	227								
	"	M 1-6	24"x24"	1	227	227								116
	"	MO 6-1	21"x21"	1	227	227								AHEAD
26	LT LEG OF SIGN BRIDGE # S-70-0098 ON HWY 21 (EB)	MO 4-8	24"x12"	1	227	227								
	"	M 3-2	24"x12"	1	227	227								
	"	M 1-6	24"x24"	1	227	227								116
	"	MO 6-1	21"x21"	1	227	227								AHEAD
27	ABOVE D1-1 (TO-41/E-21; OMRO RD; TILT RT) ON THE E SPLITTER ISLAND @ WEST HWY 21 RAB	MO 4-8	24"x12"	1	227	227								
	"	M 3-2	24"x12"	1	227	227								
	"	M 1-6	24"x24"	1	227	227								116
	"	MO 6-2	21"x21"	1	227	227								RIGHT
	PAGE SUBTOTALS			44		9,988	0	0	0		0		0	

TRAFFIC CONTROL DETOUR SIGN SUMMARY - CONTINUED

SIGN NO.	LOCATION	SIGN CODE	SIZE W X H	NUMBER IN SERVICE	APPROX. SERVICE PERIOD 227 DAYS	643.0900 TRAFFIC CONTROL SIGNS DAYS	643.0420 BARRICADES TYPE III DAYS	643.0705 WARNING LIGHTS TYPE A DAYS	643.1050 SIGNS PORTABLE CHANGEABLE MESSAGE DAYS	NO OF CYCLES	643.0910 COVERING SIGNS TYPE I EACH	NO OF CYCLES	643.0920 COVERING SIGNS TYPE II EACH	REMARKS
28	150' W OF SIGN BRIDGE # S-70-0102 ON HWY 21 (EB)	MO 4-8	24"x12"	1	227	227								
	"	M 3-2	24"x12"	1	227	227								
	"	M 1-6	24"x24"	1	227	227								116
	"	MO 5-1-L	21"x21"	1	227	227								
29	LT LEG OF SIGN BRIDGE # S-70-0102 ON HWY 21 (EB)	MO 4-8	24"x12"	1	227	227								
	"	M 3-2	24"x12"	1	227	227								
	"	M 1-6	24"x24"	1	227	227								116
	"	MO 5-1-L	21"x21"	1	227	227								
30	ABOVE D1-1 (TO-NORTH-41/E-21; OSHKOSH RD; TILT RT) ON THE E SPLITTER ISLAND @ HWY 41 (SB) RAMP RAB	MO 4-8	24"x12"	1	227	227								
	"	M 3-2	24"x12"	1	227	227								
	"	M 1-6	24"x24"	1	227	227								116
	"	MO 6-2	21"x21"	1	227	227								RIGHT
31	ABOVE R-3-8-PP (RAB-LT, LT-AH; AH ONLY) LANE DESIGNATION SIGN ON HWY 21 (MEDIAN SIDE)	MO 4-8	24"x12"	1	227	227								
	"	M 3-2	24"x12"	1	227	227								
	"	M 1-6	24"x24"	1	227	227								116
	"	MO 6-1	21"x21"	1	227	227								LEFT
32	ABOVE D1-1 (N-41-TILT RT) ON N SPLITTER ISLAND -EAST RAB	MO 4-8	24"x12"	1	227	227								
	"	M 3-2	24"x12"	1	227	227								
	"	M 1-6	24"x24"	1	227	227								116
	"	MO 6-2	21"x21"	1	227	227								RIGHT
33	250' N OF SIGN # 32 ON HWY 41 NB ON-RAMP	MO 4-8	24"x12"	1	227	227								
	"	M 3-2	24"x12"	1	227	227								
	"	M 1-6	24"x24"	1	227	227								116
	"	MO 6-1	21"x21"	1	227	227								AHEAD
34	RT LEG OF SIGN BRIDGE # S-70-0063 ON HWY 41 (NB)	MO 4-8	36"x18"	1	227	227								
	"	M 3-2	36"x18"	1	227	227								
	"	M 1-6	36"x36"	1	227	227								116
	"	MO 5-2-R	30"x30"	1	227	227								
35	RT LEG OF SIGN BRIDGE # S-70-0065 ON HWY 41 (NB)	MO 4-8	36"x18"	1	227	227								
	"	M 3-2	36"x18"	1	227	227								
	"	M 1-6	36"x36"	1	227	227								116
	"	MO 5-2-R	30"x30"	1	227	227								
36	RT LEG OF SIGN BRIDGE # S-70-0066 ON EXIT RAMP TO HWY 45	MO 4-8	36"x18"	1	227	227								
	"	M 3-2	36"x18"	1	227	227								
	"	M 1-6	36"x36"	1	227	227								116
	"	MO 6-2	30"x30"	1	227	227								LEFT
37	LT LEG OF SIGN BRIDGE # S-70-0066 ON EXIT RAMP TO HWY 45	MO 4-8	36"x18"	1	227	227								
	"	M 3-2	36"x18"	1	227	227								
	"	M 1-6	36"x36"	1	227	227								116
	"	MO 6-2	30"x30"	1	227	227								LEFT
38	LT OF E5-1 (EXIT-TILT RT) SIGN @ CTY T EXIT RAMP ON HWY 45	MO 4-8	36"x18"	1	227	227								
	"	M 3-2	36"x18"	1	227	227								
	"	M 1-6	36"x36"	1	227	227								116
	"	MO 6-1	30"x30"	1	227	227								AHEAD
	PAGE SUBTOTALS			44		9,988	0	0	0		0		0	

TRAFFIC CONTROL DETOUR SIGN SUMMARY - CONTINUED

SIGN NO.	LOCATION	SIGN CODE	SIZE W X H	NUMBER IN SERVICE	APPROX. SERVICE PERIOD 227 DAYS	643.0900 TRAFFIC CONTROL SIGNS DAYS	643.0420 BARRICADES TYPE III DAYS	643.0705 WARNING LIGHTS TYPE A DAYS	643.1050 SIGNS PORTABLE CHANGEABLE MESSAGE DAYS	NO OF CYCLES	643.0910 COVERING SIGNS TYPE I EACH	NO OF CYCLES	643.0920 COVERING SIGNS TYPE II EACH	REMARKS
39	ACROSS FROM SIGN # 38 (MEDIAN SIDE)	MO 4-8	36"x18"	1	227	227								
	"	M 3-2	36"x18"	1	227	227								
	"	M 1-6	36"x36"	1	227	227								116
	"	MO 6-1	30"x30"	1	227	227								AHEAD
40	500' S OF BROOKS RD OVERPASS ON HWY 45 (NB)	MO 4-8-A	36"x24"	1	227	227								
	"	M 1-6	36"x36"	1	227	227								116
41	ACROSS FROM SIGN # 40 (MEDIAN SIDE)	MO 4-8-A	36"x24"	1	227	227								
	"	M 1-6	36"x36"	1	227	227								116
42	TYPE 1 (116-G; WINNECONNE; EXIT 1 MILE) ON HWY 45 (NB)									1	1			116
43	TYPE 1 (116-G; WINNECONNE; TILT RT) ON HWY 45 (NB)									1	1			116
44	J2-2 (W-116-LT; E-GG-RT) ON HWY 45 (NB) EXIT RAMP TO HWY 116											1	1	WEST 116 LEFT
45	MODIFY J2-3 (S-45-AH; W-116-AH; N-45-AD RT) ON CTY GG (WB)	MO 4-8	24"x12"	1	227	227								
	"	M 3-2	EXISTING											
	"	M 1-6	EXISTING											116
	"	MO 5-1-L	21"x21"	1	227	227								
46	NW QUAD OF HWY 116 & EAST RAMPS @ HWY 45 (NB)	R 11-3	60"x30"	1	227	227	227	454						2 1/2 MILES
47	RT OF J3-1 (S-45-LT) ON HWY 116 (WB-MEDIAN SIDE)	MO 4-8	24"x12"	1	227	227								
	"	M 3-4	24"x12"	1	227	227								
	"	M 1-6	24"x24"	1	227	227								116
	"	MO 6-1	21"x21"	1	227	227								LEFT
48	NW QUAD OF HWY 116 & WEST RAMPS @ HWY 45 (SB)	R 11-3	60"x30"	1	227	227	227	454						2 1/4 MILES
49	TYPE 1 (116-G; WINNECONNE; EXIT 1 MILE) ON HWY 45 (SB)									1	1			116
50	1000' S SIGN # 49 ON HWY 45 (SB)	M 1-6	36"x36"	1	227	227								116
	"	WO 20-2-A	48"x48"	1	227	227								
51	ACROSS FROM SIGN # 50 (MEDIAN SIDE)	M 1-6	36"x36"	1	227	227								116
	"	WO 20-2-A	48"x48"	1	227	227								
52	1500' S OF SIGN # 50 ON HWY 45 (SB)	MO 4-8	36"x18"	1	227	227								
	"	M 3-4	36"x18"	1	227	227								
	"	M 1-6	36"x36"	1	227	227								116
	"	MO 6-1	30"x30"	1	227	227								AHEAD
53	ACROSS FROM SIGN # 52 (MEDIAN SIDE)	MO 4-8	36"x18"	1	227	227								
	"	M 3-4	36"x18"	1	227	227								
	"	M 1-6	36"x36"	1	227	227								116
	"	MO 6-1	30"x30"	1	227	227								AHEAD
54	1000' S OF SIGN # 52 ON HWY 45 (SB)	MO 4-8	36"x18"	1	227	227								
	"	M 3-4	36"x18"	1	227	227								
	"	M 1-6	36"x36"	1	227	227								116
	"	MO 6-1	30"x30"	1	227	227								AHEAD
55	ACROSS FROM SIGN # 54 (MEDIAN SIDE)	MO 4-8	36"x18"	1	227	227								
	"	M 3-2	36"x18"	1	227	227								
	"	M 1-6	36"x36"	1	227	227								116
	"	MO 6-1	30"x30"	1	227	227								AHEAD
	PAGE SUBTOTALS			36		8,172	454	908	0		3		1	

TRAFFIC CONTROL DETOUR SIGN SUMMARY - CONTINUED

SIGN NO.	LOCATION	SIGN CODE	SIZE W X H	NUMBER IN SERVICE	APPROX. SERVICE PERIOD 227 DAYS	643.0900 TRAFFIC CONTROL SIGNS DAYS	643.0420 BARRICADES TYPE III DAYS	643.0705 WARNING LIGHTS TYPE A DAYS	643.1050 SIGNS PORTABLE CHANGEABLE MESSAGE DAYS	NO OF CYCLES	643.0910 COVERING SIGNS TYPE I EACH	NO OF CYCLES	643.0920 COVERING SIGNS TYPE II EACH	REMARKS
56	200' S OF E5-1 (EXIT-TILT RT) ON HWY 45 (SB) @ HWY 116 RAMP	MO 4-8	36"x18"	1	227	227								
	"	M 3-4	36"x18"	1	227	227								
	"	M 1-6	36"x36"	1	227	227								116
	"	MO 6-1	30"x30"	1	227	227								AHEAD
57	ACROSS FROM SIGN # 56 (MEDIAN SIDE)	MO 4-8	36"x18"	1	227	227								
	"	M 3-2	36"x18"	1	227	227								
	"	M 1-6	36"x36"	1	227	227								116
	"	MO 6-1	30"x30"	1	227	227								AHEAD
58	TYPE 1 (116-G; WINNECONNE; TILT RT) ON HWY 45 (SB)									1	1			116
59	J4-1 (W-116) ON HWY 116 (WB)											1	1	WEST 116
60	MODIFY J1-3 (JCT 45; JCT GG; END 116) ON HWY 116 (EB)	MO 4-8	24"x12"	1	227	227								
	"	M 3-4	24"x12"	1	227	227								
	"	M 1-6	EXISTING											116
	"	MO 5-1-R	21"x21"	1	227	227								
61	RT OF J2-3 (N-45-AH; E-GG-AH; S-45-AH RT) ON HWY 116 (EB)	MO 4-8	24"x12"	1	227	227								
	"	M 3-4	24"x12"	1	227	227								
	"	M 1-6	24"x24"	1	227	227								116
	"	MO 5-1-R	21"x21"	1	227	227								
62	RT OF J3-1 (S-45-RT) ON HWY 116 (EB)	MO 4-8	24"x12"	1	227	227								
	"	M 3-4	24"x12"	1	227	227								
	"	M 1-6	24"x24"	1	227	227								116
	"	MO 6-1	21"x21"	1	227	227								RIGHT
63	200' S OF HWY 116 INTERSECTION ON HWY 45 SB ENTERANCE RAMP	MO 4-8	24"x12"	1	227	227								
	"	M 3-4	24"x12"	1	227	227								
	"	M 1-6	24"x24"	1	227	227								116
	"	MO 6-1	21"x21"	1	227	227								AHEAD
64	500' S OF BROOKS RD OVERPASS ON HWY 45 (SB)	MO 4-8	36"x18"	1	227	227								
	"	M 3-4	36"x18"	1	227	227								
	"	M 1-6	36"x36"	1	227	227								116
	"	MO 6-1	30"x30"	1	227	227								AHEAD
65	ACROSS FROM SIGN # 64 (MEDIAN SIDE)	MO 4-8	36"x18"	1	227	227								
	"	M 3-4	36"x18"	1	227	227								
	"	M 1-6	36"x36"	1	227	227								116
	"	MO 6-1	30"x30"	1	227	227								AHEAD
66	200' S OF E5-1 (EXIT-TILT RT) ON HWY 45 (SB) @ CTY T EXIT RAMP	MO 4-8	36"x18"	1	227	227								
	"	M 3-4	36"x18"	1	227	227								
	"	M 1-6	36"x36"	1	227	227								116
	"	MO 5-2-L	30"x30"	1	227	227								
67	ACROSS FROM SIGN # 66 (MEDIAN SIDE)	MO 4-8	36"x18"	1	227	227								
	"	M 3-4	36"x18"	1	227	227								
	"	M 1-6	36"x36"	1	227	227								116
	"	MO 5-2-L	30"x30"	1	227	227								
	PAGE SUBTOTALS			39		8,853	0	0	0		1		1	

TRAFFIC CONTROL DETOUR SIGN SUMMARY - CONTINUED

SIGN NO.	LOCATION	SIGN CODE	SIZE W X H	NUMBER IN SERVICE	APPROX. SERVICE PERIOD 227 DAYS	643.0900 TRAFFIC CONTROL SIGNS DAYS	643.0420 BARRICADES TYPE III DAYS	643.0705 WARNING LIGHTS TYPE A DAYS	643.1050 SIGNS PORTABLE CHANGEABLE MESSAGE DAYS	NO OF CYCLES	643.0910 COVERING SIGNS TYPE I EACH	NO OF CYCLES	643.0920 COVERING SIGNS TYPE II EACH	REMARKS
68	ACROSS FROM J4-1 (S-45) ON HWY 45 (SB)	MO 4-8	36"x18"	1	227	227								
	"	M 3-4	36"x18"	1	227	227								
	"	M 1-6	36"x36"	1	227	227								116
	"	MO 6-1	30"x30"	1	227	227								AHEAD
69	LT LEG OF SIGN STRUCTURE S-70-0067 ON HWY 45 (SB)	MO 4-8	36"x18"	1	227	227								
	"	M 3-4	36"x18"	1	227	227								
	"	M 1-6	36"x36"	1	227	227								116
	"	MO 6-1	30"x30"	1	227	227								AHEAD
70	LT OF SIGN STRUCTURE S-70-0064 (RT SUPPORT LEG) ON HWY 41 (SB)	MO 4-8	36"x18"	1	227	227								
	"	M 3-4	36"x18"	1	227	227								
	"	M 1-6	36"x36"	1	227	227								116
	"	MO 5-2-R	30"x30"	1	227	227								
71	LT OF SIGN STRUCTURE S-70-0062 (RT SUPPORT LEG) ON HWY 41 (SB)	MO 4-8	36"x18"	1	227	227								
	"	M 3-4	36"x18"	1	227	227								
	"	M 1-6	36"x36"	1	227	227								116
	"	MO 6-2	30"x30"	1	227	227								RIGHT
72	LT LEG OF SIGN STRUCTURE S-70-0103 ON HWY 41 (SB) EXIT RAMP @ HWY 21	MO 4-8	36"x18"	1	227	227								
	"	M 3-4	36"x18"	1	227	227								
	"	M 1-6	36"x36"	1	227	227								116
	"	MO 6-2	30"x30"	1	227	227								RIGHT
73	ABOVE D1-2 (TILT LT-41-S; W-21-OMRO RD-TILT RT) ON W SPLITTER ISLAND @ SOUTH RAMPS TO HWY 21	MO 4-8	36"x18"	1	227	227								
	"	M 3-4	36"x18"	1	227	227								
	"	M 1-6	36"x36"	1	227	227								116
	"	MO 6-2	30"x30"	1	227	227								RIGHT
74	RT LEG OF SIGN STRUCTURE S-70-0100 ON HWY 21 (WB)	MO 4-8	24"x12"	1	227	227								
	"	M 3-4	24"x12"	1	227	227								
	"	M 1-6	24"x24"	1	227	227								116
	"	MO 6-1	21"x21"	1	227	227								AHEAD
75	ABOVE D1-1 (W-21-TILT RT) ON W SPLITTER ISLAND @ WASHBURN RD R-A-B ON HWY 21 (WB)	MO 4-8	24"x12"	1	227	227								
	"	M 3-4	24"x12"	1	227	227								
	"	M 1-6	24"x24"	1	227	227								116
	"	MO 6-2	21"x21"	1	227	227								RIGHT
76	LT OF J4-1 (W-21) ON HWY 21 (WB)	MO 4-8	24"x12"	1	227	227								
	"	M 3-4	24"x12"	1	227	227								
	"	M 1-6	24"x24"	1	227	227								116
	"	MO 6-1	21"x21"	1	227	227								AHEAD
77	SE QUAD OF HWY 21 & HWY 116 INTERSECTION	R 11-2	48"x30"	1	227	227	227	454						
78	BELOW SIGN # 77	MO 4-9-R	30"x24"	1	227	227								
79	LT OF J3-4 (F-AH & RT; E-116-AH; E-21-RT; W-116-RT) ON HWY 21 (EB)	MO 4-8	24"x12"	1	227	227								
	"	M 3-2	24"x12"	1	227	227								
	"	M 1-6	24"x24"	1	227	227								116
	"	MO 6-1	21"x21"	1	227	227								RIGHT
	PAGE SUBTOTALS			42		9,534	227	454	0		0		0	

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TRAFFIC CONTROL DETOUR SIGN SUMMARY - CONTINUED

SIGN NO.	LOCATION	SIGN CODE	SIZE W X H	NUMBER IN SERVICE	APPROX. SERVICE PERIOD 227 DAYS	643.0900 TRAFFIC CONTROL SIGNS DAYS	643.0420 BARRICADES TYPE III DAYS	643.0705 WARNING LIGHTS TYPE A DAYS	643.1050 SIGNS PORTABLE CHANGEABLE MESSAGE DAYS	NO OF CYCLES	643.0910 COVERING SIGNS TYPE I EACH	NO OF CYCLES	643.0920 COVERING SIGNS TYPE II EACH	REMARKS
80	J3-4 (F-AH & RT; E-116-AH; E-21-RT; W-116-RT) ON HWY 21 (EB)											1	1	EAST-116-AHEAD
81	MOFIFY J3-4 (F-AH & RT; E-116-AH; E-21-RT; W-116-RT) ON HWY 21 (EB)	M 1-5-A	EXISTING											F
	"	MO 6-1	21"x21"	1	227	227								RIGHT
82	MOFIFY J2-3 (E-116-AH; E-21-AH RT; W-116-AH RT) ON HWY 21 (EB)	MO 4-8	24"x12"	1	227	227								F
	"	M 3-2	EXISTING											
	"	M 1-6	EXISTING											116
	"	MO 5-1-R	21"x21"	1	227	227								
83	500' W OF SIGN # 82 ON HWY 21 (EB)	M 1-6	24"x24"	1	227	227								116
	"	WO 20-2-A	48"x48"	1	227	227								
84	FIELD DETERMINED - ON HWY 116 (EB)	PCMS		1					7					PRIOR TO CONSTR
85	FIELD DETERMINED - ON HWY 116 (WB)	PCMS		1					7					PRIOR TO CONSTR
	PAGE SUBTOTALS			7		1,135	0	0	14		0		1	
	PROJECT TOTALS			**249**		**56,069***	**908***	**1,816***	**14***		**4**		**6**	

*ADDITONAL QTY LOCATED IN TRAFFIC CONTROL SUMMARY TABLE

ERECTION & REMOVAL OF TYPE II SIGNS AND SUPPORTS

SIGN NO.	LOCATION	SIGN CODE	W X H	637.2210 SIGNS TYPE II REFLECTIVE H S.F.	637.2230 SIGNS TYPE II REFLECTIVE F S.F.	634.0614 POSTS WOOD 4x6x14 EACH	634.0616 POSTS WOOD 4x6x16 EACH	638.2602 REMOVING SIGNS TYPE II EACH	638.3000 REMOVING SMALL SIGN SUPPORTS EACH	REMARKS
1 - 5	VACANT	---	---	---	---	---	---	---	---	
6	STH 116, W. OF 7TH ST	I55-56	30" X 36"	7.50	---	---	1	1	1	WINNECONNE MASONIC LODGE F&AM #186
7	"	R2-1	24" X 30"	5.00	---	1	---	1	1	35 MPH
8	"	R2-1	24" X 30"	5.00	---	1	---	1	1	25 MPH
9	7TH ST	R1-1	30" X 30"	5.18	---	1	---	1	1	
10	STH 116, W. OF 6TH ST	W11-8	30" X 30"	---	6.25	---	1	1	1	
11	"	R2-1	24" X 30"	5.00	---	1	---	1	1	25 MPH
12	6TH ST	R1-1	30" X 30"	5.18	---	1	---	1	1	
13	"	R1-1	30" X 30"	5.18	---	1	---	1	1	
13A	"	R5-2	24" X 24"	4.00	---	1	---	1	1	
14	STH 116, W. OF 5TH ST	R2-1	24" X 30"	5.00	---	1	---	1	1	25 MPH
15	"	W11-8	30" X 30"	---	6.25	---	1	1	1	
16	5TH ST	R1-1	30" X 30"	5.18	---	1	---	1	1	
17	"	R1-1	30" X 30"	5.18	---	1	---	1	1	
17A	"	R5-2	24" X 24"	4.00	---	1	---	1	1	
18	STH 116, W. OF 4TH ST	R2-1	24" X 30"	5.00	---	1	---	1	1	25 MPH
19	4TH ST	R1-1	30" X 30"	5.18	---	1	---	1	1	
20	"	R1-1	30" X 30"	5.18	---	1	---	1	1	
21	STH 116, W. OF 3RD ST	J4-1	---	---	---	---	---	1	1	
22	"	R2-1	24" X 30"	5.00	---	1	---	---	---	25 MPH
23	3RD ST	R1-1	30" X 30"	5.18	---	1	---	1	1	
24	"	R1-1	30" X 30"	5.18	---	1	---	1	1	
24A	"	R5-2	24" X 24"	4.00	---	1	---	1	1	
25	2ND ST	R1-1	30" X 30"	5.18	---	1	---	1	1	
26	"	R1-1	30" X 30"	5.18	---	1	---	1	1	
26A	"	R2-1	24" X 30"	5.00	---	---	---	---	---	25 MPH, MOUNT TO LIGHT POLE
27	STH 116, W. OF 3RD AVE	J4-1	---	---	---	---	---	1	1	
28	"	S1-1	36" X 36"	---	6.75	---	1	1	1	
29	"	S16-7L	30" X 18"	---	3.75	---	---	---	---	MOUNT BELOW SIGN 28, PART OF SIGN 28 REMOVAL
30	"	S1-1	36" X 36"	---	6.75	---	1	1	1	
31	"	S16-7L	30" X 18"	---	3.75	---	---	---	---	MOUNT BELOW SIGN 30, PART OF SIGN 31 REMOVAL
32	3RD AVE	R1-1	30" X 30"	5.18	---	1	---	1	1	
33	"	R1-1	30" X 30"	5.18	---	1	---	1	1	
33A	STH 116, W. OF 4TH AVE	S1-1	36" X 36"	---	6.75	---	1	---	---	
33B	"	S16-7L	30" X 18"	---	3.75	---	---	---	---	MOUNT BELOW SIGN 33A
33C	"	S1-1	36" X 36"	---	6.75	---	1	---	---	
33D	"	S16-7L	30" X 18"	---	3.75	---	---	---	---	MOUNT BELOW SIGN 33C
34	4TH AVE	R1-1	30" X 30"	5.18	---	1	---	1	1	
35	"	R1-1	30" X 30"	5.18	---	1	---	1	1	
35A	STH 116, W. OF 6TH AVE	R2-1	24" X 30"	5.00	---	1	---	---	---	25 MPH
33B	"	R2-1	24" X 30"	5.00	---	1	---	---	---	25 MPH
36	6TH AVE	R1-1	30" X 30"	5.18	---	1	---	1	1	
	PAGE SUBTOTALS			147.38	54.50	27	7	31	31	

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ERECTION & REMOVAL OF TYPE II SIGNS AND SUPPORTS - CONTINUED

SIGN NO.	LOCATION	SIGN CODE	W X H	637.2210 SIGNS TYPE II REFLECTIVE H S.F.	637.2230 SIGNS TYPE II REFLECTIVE F S.F.	634.0614 POSTS WOOD 4x6x14 EACH	634.0616 POSTS WOOD 4x6x16 EACH	638.2602 REMOVING SIGNS TYPE II EACH	638.3000 REMOVING SMALL SIGN SUPPORTS EACH	REMARKS
37	STH 116, W. OF 7TH AVE	S1-1	36" X 36"	---	6.75	---	1	1	1	
38	"	S16-7L	30" X 18"	---	3.75	---	---	---	---	MOUNT BELOW SIGN 37, PART OF SIGN 37 REMOVAL
39	"	S1-1	36" X 36"	---	6.75	---	1	1	1	
40	"	S16-7L	30" X 18"	---	3.75	---	---	---	---	MOUNT BELOW SIGN 39, PART OF SIGN 39 REMOVAL
41	7TH AVE	R1-1	30" X 30"	5.18	---	1	---	1	1	
42	"	R1-1	30" X 30"	5.18	---	1	---	1	1	
43	STH 116, W. OF 9TH AVE	S4-51	24" X 48"	---	8.00	---	---	1	---	RADAR BOARD AND POLE TO BE INSTALLED BY MUNICIPALITY, MOUNT ABOVE RADAR BOARD
43A	"	R2-1	24" X 30"	5.00	---	1	---	---	---	25 MPH, MOUNT TO LIGHT POLE
44	"	S5-2	24" X 30"	5.00	---	---	---	1	---	MOUNT TO LIGHT POLE
44A	"	R3-9B	24" X 36"	6.00	---	---	---	---	---	MOUNT TO LIGHT POLE
45	"	S1-1	36" X 36"	---	6.75	---	1	1	---	
46	"	S16-9P	30" X 18"	---	3.75	---	---	---	---	MOUNT BELOW SIGN 45, PART OF SIGN 45 REMOVAL
47	"	R2-6P	24" X 18"	3.00	---	---	---	---	---	MOUNT BELOW SIGN 45, PART OF SIGN 45 REMOVAL
48	9TH AVE	R1-1	30" X 30"	5.18	---	1	---	1	1	
49	STH 116, W. OF 12TH AVE	R2-1	24" X 30"	5.00	---	1	---	1	1	35 MPH, MOUNT TO LIGHT POLE
50	"	R2-1	24" X 30"	5.00	---	---	---	1	1	25 MPH, MOUNT TO LIGHT POLE
51	"	W14-3	48" X 36"	---	6.00	---	---	1	1	
52	"	R2-1	---	---	---	---	---	1	1	35 MPH
53	"	R2-1	---	---	---	---	---	1	1	
54	12TH AVE	R1-1	30" X 30"	5.18	---	1	---	1	1	
55	STH 116, E. OF 12TH AVE	R2-1	24" X 30"	5.00	---	1	---	1	1	35 MPH, MOUNT TO LIGHT POLE
55A	"	R3-9B	24" X 36"	6.00	---	---	---	---	---	MOUNT TO LIGHT POLE
56	"	R2-1	24" X 30"	5.00	---	1	---	1	1	35 MPH, MOUNT TO LIGHT POLE
	PAGE SUBTOTALS			65.72	45.50	8	3	16	13	
	PROJECT TOTALS			**213.10**	**100.00**	**35**	**10**	**47**	**44**	

LIGHTING REMOVALS

LIGHT NUMBER	STATION	R/L	204.0195 REMOVING CONCRETE BASES EACH	204.9060.S.004 REMOVE EXISTING LIGHTING CONTROL EACH	653.0905 REMOVING PULL BOXES EACH	SPV.0060.311 REMOVE AND SALVAGE DECORATIVE STREET LIGHT ASSEMBLY EACH
ALL ITEMS CATEGORY 0020						
EXSL	167+10	LT	1	--	--	1
EXSL	168+80	RT	1	--	--	1
EXCB	131+00	LT	1	1	--	--
EXPB	131+00	LT	--	--	1	--
EXPB	131+00	RT	--	--	1	--
EXSL	164+90	LT	1	--	--	1
EXSL	165+25	RT	1	--	--	1
EXSL	167+00	RT	1	--	--	1
EXSL	167+10	LT	1	--	--	1
EXSL	168+80	RT	1	--	--	1
EXSL	168+80	LT	1	--	--	1
EXSL	170+30	RT	1	--	--	1
EXSL	170+65	LT	1	--	--	1
EXCB	172+25	RT	1	1	--	--
EXSL	172+25	RT	1	--	--	1
EXSL	173+60	LT	1	--	--	1
EXSL	174+70	RT	1	--	--	1
EXSL	175+45	LT	1	--	--	1
EXSL	176+35	RT	1	--	--	1
EXSL	177+25	LT	1	--	--	1
EXSL	177+95	RT	1	--	--	1
EXSL	178+85	LT	1	--	--	1
EXSL	179+55	RT	1	--	--	1
EXSL	180+30	LT	1	--	--	1
EXSL	181+30	RT	1	--	--	1
EXSL	182+05	LT	1	--	--	1
EXSL	182+70	RT	1	--	--	1
EXSL	183+65	LT	1	--	--	1
EXSL	184+60	RT	1	--	--	1
EXSL	185+25	LT	1	--	--	1
EXSL	186+25	RT	1	--	--	1
EXSL	186+60	LT	1	--	--	1
EXSL	187+35	RT	1	--	--	1
EXSL	188+10	LT	1	--	--	1
	PROJECT TOTALS		32	2	2	30

LIGHTING CONDUIT AND WIRE

FROM	-	TO	652.0225 CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH LF	655.0615 ELECTRICAL WIRE LIGHTING 10 AWG LF	655.0620 ELECTRICAL WIRE LIGHTING 8 AWG LF	REMARKS
ALL ITEMS ARE CATEGORY 0020						
CB 100	-	PB 101	--	--	78	CONDUIT INSTALLED WITH PROJECT 6190-15-72
PB 101	-	PB 100	--	--	261	CONDUIT INSTALLED WITH PROJECT 6190-15-73
PB 100	-	PLANTER	--	--	333	CONDUIT INSTALLED WITH PROJECT 6190-15-74
PLANTER	-	PLANTER	185	--	585	SOUTH 2ND ST CROSSING
SL 110	-	SL 108	90	300	500	SOUTH 2ND ST CROSSING
SL 100	-	SL 102	55	195	325	--
CB 100	-	PB 102	--	--	78	CONDUIT INSTALLED WITH PROJECT 6190-15-75
PB 102	-	PB 105	--	--	246	CONDUIT INSTALLED WITH PROJECT 6190-15-76
PB 105	-	PB 106	--	--	306	CONDUIT INSTALLED WITH PROJECT 6190-15-77
PB 106	-	PLANTER	--	--	198	CONDUIT INSTALLED WITH PROJECT 6190-15-77
PLANTER	-	PLANTER	170	--	540	NORTH 2ND ST CROSSING
SL 111	-	SL 109	90	306	510	NORTH 2ND ST CROSSING
SL 101	-	SL 103	75	261	435	--
CB 400	-	PB 404	15	93	155	--
PB 404	-	SL 406	100	333	555	--
SL 406	-	SL 404	250	780	1,300	--
SL 404	-	SL 402	250	780	1,300	--
SL 402	-	SL 400	250	520	780	--
SL 400	-	PB 400	60	--	--	PULL WIRE ONLY
PB 400	-	SL 401	100	--	--	PULL WIRE ONLY
SL 401	-	SL 403	250	520	780	--
SL 403	-	SL 405	260	810	1,350	--
SL 405	-	PB 401	60	355	355	--
PB 401	-	SL 421	60	213	355	--
PB 401	-	PB 402	150	810	810	--
PB 402	-	PB 404	60	360	360	--
PB 404	-	CB 400	15	155	155	--
CB 400	-	PB 405	15	93	155	--
PB 405	-	SL 408	130	423	705	--
SL 408	-	SL 410	250	780	1,300	--
SL 410	-	SL 412	250	780	1,300	--
SL 412	-	PB 406	60	--	--	PULL WIRE ONLY
SL 412	-	SL 414	250	780	1,300	--
SL 414	-	SL 416	250	780	1,300	--
SL 416	-	PB 408	200	633	1,055	--
PB 408	-	SL 418	50	183	305	--
SL 418	-	SL 420	250	520	780	--
PB 408	-	PB 407	60	--	--	PULL WIRE ONLY
PB 407	-	SL 419	150	322	483	--
PB 407	-	SL 417	70	162	243	--
SL 417	-	SL 415	270	840	1,400	--
SL 415	-	SL 413	260	810	1,350	--
SL 413	-	PB 406	125	408	680	--
PB 406	-	SL 411	120	393	655	--
SL 411	-	SL 409	250	780	1,300	--
SL 409	-	SL 407	240	750	1,250	--
SL 407	-	PB 403	10	63	105	--
PB 403	-	PB 405	60	216	360	--
PB 405	-	CB 400	15	93	155	--
		PROJECT TOTALS	5880	16600	28831	

STREET LIGHTING

LIGHT NUMBER	STATION	OFFSET	R/L	654.0105 CONCRETE BASE TYPE 5 EACH	SPV.0060.312 REINSTALL SALVAGED DECORATIVE STREET LIGHT ASSEMBLY EACH	SPV.0060.313 DECORATIVE LUMINAIRE - TYPE A EACH	SPV.0060.314 DECORATIVE LUMINAIRE - TYPE B EACH	655.0610 ELECTRICAL WIRE LIGHTING 12 AWG LF
ALL ITEMS ARE CATEGORY 0020								
SL 100	127+65	27.7'	RT	1	1	1	--	210
SL 101	127+64	27.4'	LT	1	1	1	--	210
SL 102	128+24	27.5'	RT	--	--	--	1	--
SL 103	128+44	27.8'	LT	--	--	--	1	--
SL 104	129+02	27.2'	RT	--	--	1	--	--
SL 105	129+25	28.0'	LT	--	--	1	--	--
SL 106	129+84	27.3'	RT	--	--	--	1	--
SL 107	129+84	27.3'	LT	--	--	--	1	--
SL 108	130+25	27.2'	RT	--	--	1	--	--
SL 109	130+24	27.9'	LT	--	--	1	--	--
SL 110	131+06	27.3'	RT	--	--	1	--	--
SL 111	131+06	28.3'	LT	--	--	1	--	--
SL 112	132+05	27.2'	RT	--	--	--	1	--
SL 113	131+67	28.4'	LT	--	--	--	1	--
SL 114	132+49	27.0'	RT	--	--	1	--	--
SL 115	132+26	28.5'	LT	--	--	1	--	--
SL 400	164+06	30.7'	RT	1	1	1	--	210
SL 401	165+07	24.7'	LT	1	1	1	--	210
SL 402	166+34	30.7'	RT	1	1	1	--	210
SL 403	167+62	25.2'	LT	1	1	1	--	210
SL 404	168+87	28.2'	RT	1	1	1	--	210
SL 405	170+20	27.4'	LT	1	1	1	--	210
SL 406	171+22	27.7'	RT	1	1	1	--	210
SL 407	172+28	27.5'	LT	1	1	1	--	210
SL 408	173+47	27.7'	RT	1	1	1	--	210
SL 409	174+64	27.7'	LT	1	1	1	--	210
SL 410	175+83	27.7'	RT	1	1	1	--	210
SL 411	177+04	27.7'	LT	1	1	1	--	210
SL 412	178+20	27.7'	RT	1	1	1	--	210
SL 413	179+44	27.7'	LT	1	1	1	--	210
SL 414	180+68	27.7'	RT	1	1	1	--	210
SL 415	181+92	27.7'	LT	1	1	1	--	210
SL 416	183+25	27.7'	RT	1	1	1	--	210
SL 417	184+55	27.7'	LT	1	1	1	--	210
SL 418	185+58	27.7'	RT	1	1	1	--	210
SL 419	186+66	27.7'	LT	1	1	1	--	210
SL 420	187+98	26.8'	RT	1	1	1	--	210
SL 421	171+07	71.4'	LT	1	1	1	--	210
	PROJECT TOTALS			24	24	32	6	5040

LIGHTING CONTROL

CABINET NUMBER	STATION	OFFSET	R/L	650.8500.001 CONSTRUCTION STAKING ELECTRICAL INSTALLATIONS 6190-15-71 LS	654.0230 CONCRETE CONTROL CABINET BASES TYPE L30 EACH	656.0200.001 ELECTRICAL SERVICE METER BREAKER PEDESTAL (CB300) LS	659.2130 LIGHTING CONTROL CABINETS 120/240 30-INCH EACH
ALL ITEMS ARE CATEGORY 0020							
CB400	172+17	38.4'	RT	--	1	1	1
PROJECT 6190-15-71				1	--	--	--
PROJECT TOTALS				1	1	1	1

LIGHTING PULLBOXES

PULLBOX NUMBER	STATION	OFFSET	R/L	653.0164 PULL BOX NON-CONDUCTIVE 24X42-INCH EACH
ALL ITEMS ARE CATEGORY 0020				
PB 400	164+06	24.0'	LT	1
PB 401	170+76	27.5'	LT	1
PB 402	172+15	27.5'	LT	1
PB 403	172+19	27.5'	LT	1
PB 404	172+15	27.5'	RT	1
PB 405	172+19	27.5'	RT	1
PB 406	178+20	27.7'	LT	1
PB 407	185+23	27.5'	LT	1
PB 408	185+23	27.5'	RT	1
PROJECT TOTALS				9

CONNECTIONS

ROADWAY / LOCATION	SPV.0060.101 CONNECT TO EXISTING WATER MAIN EA	SPV.0060.200 STANDARD SANITARY PIPE CONNECTION EA	COMMENT
PROJECT 6190-15-73			
	CATEGORY 0020	CATEGORY 0010	
N 6TH ST	1	1	
S 6TH ST	1	1	
N 5TH ST	1	---	
S 5TH ST	1	---	
N 4TH ST	1	---	
S 4TH ST	1	---	
N 3RD ST	1	---	
S 3RD ST	1	---	
N 3RD AVE	1	---	
S 3RD AVE	1	---	
N 4TH AVE	1	---	
S 4TH AVE	1	---	
S 7TH AVE	1	1	
N 7TH AVE	1	1	
N 9TH AVE	1	---	
N 13TH AVE	1	---	
STA 111+34 STH 116	1	---	
STA 132+60 STH 116	1	---	CONNECT TO PROJ 6190-15-74
STA 149+60 STH 116	1	1	CONNECT TO PROJ 6190-15-74
STA 180+76 STH 116	1	---	
STA 182+59 STH 116	---	1	
PROJECT TOTALS	20 CATEGORY 0020	6 CATEGORY 0010	

CONSTRUCTION STAKING MISCELLANEOUS VILLAGE UTILITIES

STATION	TO	STATION	ROADWAY	SPV.0105.100 LS	COMMENTS
PROJECT 6190-15-73					
CATEGORY 0020					
103+13	-	189+58	STH 116	1	
PROJECT TOTAL				1	

RESTORATION

ROADWAY	625.0100 TOPSOIL SY	628.2006 EROSION MAT URBAN CLASS I TYPE A SY	629.0210 FERTILIZER TYPE B CWT	630.0140 SEEDING MIXTURE #40 LB
PROJECT 6190-15-73				
CATEGORY 0020				
WEST SIDE STH 116	50	50	0.03	0.9
EAST SIDE STH 116	50	50	0.03	0.9
UNDISTRIBUTED	25	25	0.02	0.5
PROJECT TOTALS	125	125	0.08	2

EXCAVATION, HAULING, AND DISPOSAL OF CONTAMINATED SOIL

LOCATION	205.0501.S TON
PROJECT 6190-15-73	
CATEGORY 0020	
N 3RD ST WATER MAIN	150
PROJECT TOTAL	150

REMOVALS, SAWCUTS, PAVEMENT, AND CURB

ROADWAY / LOCATION	204.0150 REMOVING CURB AND GUTTER LF	204.0155 REMOVING CONCRETE SIDEWALK SY	690.0150 SAWING ASPHALT LF	690.0250 SAWING CONCRETE LF	305.0120 BASE AGGREGATE DENSE 1 1/4-INCH TON	311.0110 BREAKER RUN TON	460.6223 HMA PAVEMENT 3 MT 58-28 S TON	460.6224 HMA PAVEMENT 4 MT 58-28 S TON	601.0411 CONCRETE CURB AND GUTTER 30-INCH TYPE D LF	602.0405 CONCRETE SIDEWALK 4-INCH SF	COMMENT
PROJECT 6190-15-73											
CATEGORY 0020											
N 5TH ST	---	6	---	16	0	0	0	0	---	54	SIDEWALK REPL
S 5TH ST	---	---	---	---	5	0	0	0	---	---	GRAVEL DWY REPL
N 4TH ST	---	6	---	16	0	0	0	0	---	54	SIDEWALK REPL
S 3RD AVE	---	---	170	---	30	25	4	6	---	---	
STH 116, STA 187+00 - 188+00	5	---	165	5	75	65	10	14	5	---	
PROJECT TOTALS	5	12	335	37	110	90	14	20	5	108	

SANITARY PIPE ABANDONMENT / REMOVALS

LOCATION	204.0291.S ABANDONING SEWER CY	204.9090.S.001 REMOVING SANITARY SEWER LF	COMMENTS
PROJECT 6190-15-73			
CATEGORY 0010			
SAN99 TO SAN98	---	254	8" DIA
SAN98 TO SAN97	---	247	8" DIA
SAN96 TO SAN95	---	251	8" DIA
EXIST 10" SAN95	---	53	10" DIA
SAN95 TO SAN 97	---	26	10" DIA
SAN 97 TO EXIST 10"	---	67	10" DIA
SAN85 TO SAN86	---	169	8" DIA
SAN120A TO SAN84	---	218	8" DIA
SAN195 TO SAN194	---	152	8" DIA
SAN194 TO PROJ LIMITS	---	208	8" DIA
SAN234 TO SAN194	---	326	8" DIA
SAN235 TO SAN234	---	185	8" DIA
SAN234 TO MH STA 45+92 RT 4TH AVE	1	---	8" DIA
SAN236 TO SAN237	---	374	8" DIA
SAN237 TO SAN238	---	362	8" DIA
SAN239 TO SAN238	---	125	8" DIA
SAN240 TO SAN239	---	405	8" DIA
EXIST 8" TO SAN238	---	73	8" DIA
SAN238 TO EXIST 8"	---	66	8" DIA
EXIST 15" TO SAN246A	---	50	15" DIA
PROJECT TOTALS	1	3,611	

SANITARY MANHOLE REMOVALS IN "SANITARY STRUCTURES" TABLE

ADJUSTING COVERS

STRUCTURE	STATION	OFFSET FT	ROADWAY	611.8110 ADJUSTING MANHOLE COVERS EACH	SPV.0060.205 INTERNAL CHIMNEY SEAL 2-PIECE EACH
PROJECT 6190-15-73					
CATEGORY 0010					
SANITARY	45+92	10.7' RT	S 4TH AV	1	1
SANITARY	171+20	13.5' RT	STH 116	1	1
SANITARY	175+13	14.5' RT	STH 116	1	1
SANITARY	179+21	14.1' RT	STH 116	1	1
SANITARY	179+96	14.0' RT	STH 116	1	1
SANITARY	180+66	16.7' RT	STH 116	1	1
SANITARY	181+08	15.3' RT	STH 116	1	1
SANITARY	182+08	16.5' RT	STH 116	1	1
SANITARY	184+71	18.0' RT	STH 116	1	1
PROJECT TOTALS				9	9

SANITARY SEWER STRUCTURES

STRUCTURE	STATION	OFFSET*	ROADWAY	204.0210 REMOVING MANHOLES EA	SPV.0200.200 SANITARY MANHOLE VF	SPV.0060.203 SANITARY MANHOLE COVERS TYPE J SPECIAL EA	SPV.0060.204 INTERNAL CHIMNEY SEAL 1-PIECE EA
PROJECT 6170-15-73							
CATEGORY 0010							
EXIST	111+20.1	15.6' RT	STH 116	1	---	---	---
SAN99	111+31.9	11.0' LT	STH 116	---	2.4	1	1
EXIST	113+73.9	17.1' RT	STH 116	1	---	---	---
SAN98	114+24.0	17.0' RT	STH 116	---	4.0	1	1
SAN97	116+21.1	15.3' RT	STH 116	1	6.5	1	1
SAN96	118+71.4	17.4' LT	STH 116	1	6.3	1	1
SAN95	116+20.9	10.9' LT	STH 116	1	6.7	1	1
SAN95.1	113+75.0	11.0' LT	STH 116	---	4.5	1	1
SAN84	124+13.9	11.8' LT	STH 116	1	7.5	1	1
SAN85	122+45.0	12.9' LT	STH 116	1	7.3	1	1
SAN86	120+81.3	10.5' LT	STH 116	1	6.2	1	1
SAN120A	126+32.0	11.5' LT	STH 116	1	9.5	1	1
SAN194	151+68.1	0.9' LT	STH 116	1	8.1	1	1
SAN195	151+72.5	151.0' RT	STH 116	1	3.7	1	1
SAN234	154+93.9	0.9' LT	STH 116	1	6.6	1	1
SAN235	156+79.0	2.0' RT	STH 116	1	5.9	1	1
SAN236	157+13.3	3.8' RT	STH 116	1	6.9	1	1
SAN237	160+87.3	4.5' RT	STH 116	1	8.5	1	1
SAN238	164+49.1	1.2' RT	STH 116	1	10.0	1	1
SAN239	165+72.7	7.5' RT	STH 116	1	9.0	1	1
SAN240	169+76.6	4.4' LT	STH 116	1	6.1	1	1
PROJECT TOTALS				18	125.6	19	19

* STATIONS AND OFFSETS ARE TO CENTER OF STRUCTURE

MANHOLE RIM ADJUSTMENT QTY FOR SANITARY MANHOLES NOT BEING REPLACED LOCATED IN "ADJUSTING COVERS" TABLE

3

SANITARY SEWER

START STRUCT	TO	END STRUCT	209.2100 BACKFILL GRANULAR GRADE 2 CY	612.0902.S INSULATION BOARD POLYSTYRENE 2-INCH SY	SPV.0090.200 PIPE 8-INCH LF	SPV.0090.201 PIPE 12-INCH LF	SPV.0090.202 PIPE 15-INCH LF	SPV.0090.203 LATERAL 4 OR 6-INCH LF	SPV.0060.201 SANITARY WYE 8-INCH MAIN EA	SPV.0060.202 SANITARY WYE 12-INCH MAIN EA	SPV.0060.006 LOW PERMEABLE TRENCH PLUGS EA
PROJECT 6190-15-73											
CATEGORY 0010											
SAN99	-	SAN95.1	65	135	243	---	---	---	---	---	---
SAN98	-	SAN97	50	---	197	---	---	---	---	---	---
SAN95.1	-	SAN95	65	---	246	---	---	---	---	---	---
EXIST 10"	-	SAN95	15	---	---	53	---	---	---	---	---
SAN95	-	SAN97	5	---	---	26	---	---	---	---	---
SAN95	-	EXIST 10"	15	---	---	67	---	---	---	---	---
SAN96	-	SAN95	65	---	251	---	---	---	---	---	---
SAN85	-	SAN86	45	---	164	---	---	---	---	---	---
SAN120A	-	SAN84	55	---	218	---	---	---	---	---	1
SAN195	-	SAN194	40	---	152	---	---	---	---	---	---
SAN235	-	SAN234	50	---	185	---	---	---	---	---	---
SAN234	-	SAN194	85	---	326	---	---	---	---	---	---
SAN194	-	-71 PROJ 8"	55	---	208	---	---	---	---	---	---
SAN236	-	SAN237	95	---	374	---	---	---	---	---	---
SAN237	-	SAN238	95	---	362	---	---	---	---	---	---
SAN240	-	SAN239	105	---	405	---	---	---	---	---	---
SAN239	-	SAN238	30	---	125	---	---	---	---	---	---
EXIST 8"	-	SAN238	20	---	73	---	---	---	---	---	---
SAN238	-	EXIST 8"	15	---	66	---	---	---	---	---	---
EXIST 15"	-	SAN246A	15	---	---	---	50	---	---	---	---
SERVICE LATERAL 111+25 RT			0	15	---	---	---	27	---	---	---
SERVICE LATERAL 112+19 LT			0	16	---	---	---	28	1	---	---
SERVICE LATERAL 114+28 LT			0	---	---	---	---	29	1	---	---
SERVICE LATERAL 114+38 RT			0	---	---	---	---	24	1	---	---
SERVICE LATERAL 114+42 RT			0	---	---	---	---	24	1	---	---
SERVICE LATERAL 114+60 LT			0	---	---	---	---	29	1	---	---
SERVICE LATERAL 61+77 LT (S 6 ST)			0	---	---	---	---	43	---	1	---
SERVICE LATERAL 117+29 RT			0	---	---	---	---	54	1	---	---
SERVICE LATERAL 118+42 RT			0	---	---	---	---	57	1	---	---
SERVICE LATERAL 118+51 LT			0	---	---	---	---	24	1	---	---
PAGE SUBTOTALS			985*	166	3,595	146	50	339	8	1	1

3

SANITARY SEWER - CONTINUED

START STRUCT TO END STRUCT	209.2100 BACKFILL GRANULAR GRADE 2 CY	612.0902.S INSULATION BOARD POLYSTYRENE 2-INCH SY	SPV.0090.200 PIPE 8-INCH LF	SPV.0090.201 PIPE 12-INCH LF	SPV.0090.202 PIPE 15-INCH LF	SPV.0090.203 LATERAL 4 OR 6-INCH LF	SPV.0060.201 SANITARY WYE 8-INCH MAIN EA	SPV.0060.202 SANITARY WYE 12-INCH MAIN EA	SPV.0060.006 LOW PERMEABLE TRENCH PLUGS EA
PROJECT 6190-15-73									
CATEGORY 0010									
SERVICE LATERAL 122+42 LT	0	---	---	---	---	27	1	---	---
SERVICE LATERAL 125+69 LT	0	---	---	---	---	29	1	---	---
SERVICE LATERAL 126+07 RT	0	---	---	---	---	52	1	---	1
SERVICE LATERAL 126+25 LT	0	---	---	---	---	29	1	---	1
SERVICE LATERAL 149+60 LT	0	---	---	---	---	35	1	---	---
SERVICE LATERAL 150+63 RT	0	---	---	---	---	36	1	---	---
SERVICE LATERAL 151+21 RT	0	---	---	---	---	36	1	---	---
SERVICE LATERAL 155+56 LT	0	---	---	---	---	31	1	---	---
SERVICE LATERAL 156+64 LT	0	---	---	---	---	31	1	---	---
SERVICE LATERAL 156+70 RT	0	---	---	---	---	32	1	---	---
SERVICE LATERAL 157+22 RT	0	---	---	---	---	31	1	---	---
SERVICE LATERAL 157+71 RT	0	---	---	---	---	31	1	---	---
SERVICE LATERAL 157+74 LT	0	---	---	---	---	33	1	---	---
SERVICE LATERAL 158+29 RT	0	---	---	---	---	31	1	---	---
SERVICE LATERAL 159+26 LT	0	---	---	---	---	33	1	---	---
SERVICE LATERAL 159+74 RT	0	---	---	---	---	31	1	---	---
SERVICE LATERAL 160+12 LT	0	---	---	---	---	33	1	---	---
SERVICE LATERAL 160+25 RT	0	---	---	---	---	31	1	---	---
SERVICE LATERAL 161+92 RT	0	---	---	---	---	31	1	---	---
SERVICE LATERAL 162+82 LT	0	---	---	---	---	34	1	---	---
SERVICE LATERAL 163+16 RT	0	---	---	---	---	30	1	---	---
SERVICE LATERAL 163+17 LT	0	---	---	---	---	35	1	---	---
SERVICE LATERAL 163+82 LT	0	---	---	---	---	36	1	---	---
SERVICE LATERAL 165+39 RT	0	---	---	---	---	32	1	---	---
SERVICE LATERAL 166+56 RT	0	---	---	---	---	35	1	---	---
SERVICE LATERAL 166+99 LT	0	---	---	---	---	34	1	---	---
SERVICE LATERAL 167+66 RT	0	---	---	---	---	36	1	---	---
SERVICE LATERAL 168+79 RT	0	---	---	---	---	36	1	---	---
PAGE SUBTOTALS	0*	0	0	0	0	931	28	0	2
PROJECT TOTALS	985*	166	3,595	146	50	1,270	36	1	3

*QTY FOR TRENCH BACKFILL IN POOR SOILS, ESTIMATED 25% OF TRENCH LENGTH, 4' WIDE TRENCH, 7' DEEP

3

WATER REMOVALS

STATION	OFFSET	ROADWAY	204.9060.S.001 REMOVING FIRE HYDRANT EA	204.9060.S.002 REMOVING VALVE AND BOX EA	COMMENTS
PROJECT 6190-15-73					
CATEGORY 0020					
111+75.1	36.0' RT	STH 116	---	1	6 INCH
111+93.3	40.1' RT	STH 116	---	1	6 INCH
111+93.4	42.2' RT	STH 116	1	---	
115+94.6	29.8' RT	STH 116	---	1	6 INCH
116+01.0	10.8' RT	STH 116	---	1	8 INCH
116+04.4	18.5' RT	STH 116	---	1	6 INCH
120+50.4	44.1' RT	STH 116	1	---	
120+52.6	44.2' RT	STH 116	---	1	6 INCH
120+64.0	15.7' RT	STH 116	---	1	6 INCH
120+65.9	11.5' LT	STH 116	---	1	6 INCH
120+66.6	27.6' LT	STH 116	---	1	6 INCH
120+68.4	14.7' LT	STH 116	---	1	6 INCH
123+85.2	21.5' LT	STH 116	---	1	6 INCH
123+87.7	24.6' LT	STH 116	---	1	6 INCH
123+88.6	18.0' LT	STH 116	---	1	6 INCH
123+90.5	21.1' LT	STH 116	---	1	6 INCH
126+89.4	30.5' LT	STH 116	1	---	
126+92.7	21.4' LT	STH 116	---	1	6 INCH
151+44.0	20.8' LT	STH 116	---	1	6 INCH
151+44.2	23.2' LT	STH 116	1	---	
151+72.6	15.9' LT	STH 116	---	1	6 INCH
151+95.3	28.9' LT	STH 116	---	1	4 INCH
154+85.3	36.0' RT	STH 116	---	1	8 INCH
154+85.6	19.7' LT	STH 116	---	1	10 INCH
154+87.6	37.5' LT	STH 116	---	1	8 INCH
155+06.9	19.9' LT	STH 116	---	1	10 INCH
156+87.1	17.1' LT	STH 116	---	1	6 INCH

WATER REMOVALS - CONTINUED

STATION	OFFSET	ROADWAY	204.9060.S.001 REMOVING FIRE HYDRANT EA	204.9060.S.002 REMOVING VALVE AND BOX EA	COMMENTS
PROJECT 6190-15-73					
CATEGORY 0020					
156+87.4	21.9' LT	STH 116	1	---	
161+09.0	18.7' LT	STH 116	---	1	6 INCH
161+37.5	16.6' LT	STH 116	---	1	6 INCH
161+37.7	20.4' LT	STH 116	1	---	
164+37.6	25.1' RT	STH 116	---	1	6 INCH
164+62.1	25.5' LT	STH 116	---	1	6 INCH
164+72.5	21.6' LT	STH 116	---	1	10 INCH
164+88.1	23.6' LT	STH 116	1	---	
164+88.2	22.5' LT	STH 116	---	1	6 INCH
169+06.3	18.0' LT	STH 116	---	1	6 INCH
169+07.4	23.4' LT	STH 116	1	---	
171+07.1	18.7' LT	STH 116	---	1	10 INCH
171+16.2	12.8' LT	STH 116	---	1	10 INCH
171+55.8	16.3' LT	STH 116	---	1	10 INCH
173+18.5	27.9' LT	STH 116	1	---	
173+19.4	25.9' LT	STH 116	---	1	6 INCH
177+34.8	25.4' LT	STH 116	---	1	6 INCH
177+34.9	28.1' LT	STH 116	1	---	
180+73.4	21.3' LT	STH 116	---	1	8 INCH
180+85.6	18.0' LT	STH 116	---	1	6 INCH
180+91.9	25.2' LT	STH 116	---	1	6 INCH
180+92.2	27.7' LT	STH 116	1	---	
184+88.1	22.9' LT	STH 116	1	---	
184+88.4	21.3' LT	STH 116	---	1	6 INCH
184+91.6	17.4' LT	STH 116	---	1	8 INCH
185+42.6	26.8' LT	STH 116	---	1	8 INCH
185+46.5	23.0' LT	STH 116	---	1	8 INCH
PROJECT TOTALS			12	42	

WATER MAIN HYDRANTS AND VALVES

ROADWAY / LOCATION	SPV.0060.100	SPV.0060.124	SPV.0060.125	SPV.0060.126	SPV.0060.127
	FIRE HYDRANT	WATER MAIN VALVE AND BOX			
		6-INCH	8-INCH	10-INCH	12-INCH
	EA	EA	EA	EA	EA
PROJECT 6190-15-73					
CATEGORY 0020					
STH 116 WEST SIDE	3	4	---	---	12
STH 116 EAST SIDE	10	11	---	---	13
9TH ST	1	1	1	---	---
6TH ST	---	---	1	---	1
5TH ST	1	1	2	---	---
4TH ST	---	---	2	---	---
3RD ST	---	---	2	---	---
3RD AVE	---	1	1	---	---
4TH AVE	---	---	2	---	---
7TH AVE	---	---	1	---	1
9TH AVE	---	---	---	1	---
13TH AVE	---	---	1	---	---
KWIK TRIP	---	1	---	---	---
PROJECT TOTALS	15	19	13	1	27

WATER MAIN BEND

ROADWAY / LOCATION	SPV.0060.102	SPV.0060.103	SPV.0060.104	SPV.0060.105	SPV.0060.106	SPV.0060.107	SPV.0060.108	SPV.0060.109	SPV.0060.110	SPV.0060.113	COMMENT
	11.25 DEGREE		22.5 DEGREE		45 DEGREE					90 DEGREE	
	6-INCH	12-INCH	8-INCH	12-INCH	4-INCH	6-INCH	8-INCH	10-INCH	12-INCH	8-INCH	
	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	
PROJECT 6190-15-73											
CATEGORY 0020											
STH 116 WEST SIDE	---	2	---	8	---	1	---	---	2	---	
STH 116 EAST SIDE	1	8	---	1	---	---	---	---	---	---	
6TH ST	---	---	2	---	---	---	4	---	---	---	
5TH ST	---	---	---	---	---	4	---	---	---	---	
4TH ST	---	---	---	---	---	4	---	---	---	---	
3RD ST	---	---	---	---	---	---	---	---	---	2	
3RD AVE	---	---	---	---	2	2	---	---	---	---	
4TH AVE	---	---	---	---	---	---	4	---	---	---	
7TH AVE	---	---	---	---	---	4	---	---	---	---	
9TH AVE	---	---	---	---	---	---	---	1	---	---	
13TH AVE	---	---	---	---	---	---	2	---	---	---	
PROJECT TOTALS	1	10	2	9	2	15	10	1	2	2	

3

WATER MAIN REDUCERS, TEES, AND CROSSES

ROADWAY / LOCATION	SPV.0060.120	SPV.0060.115	SPV.0060.111	SPV.0060.112	SPV.0060.114	SPV.0060.116	SPV.0060.117	SPV.0060.118	SPV.0060.119	SPV.0060.121	SPV.0060.122
	WATER MAIN REDUCER				WATER MAIN TEE					WATER MAIN CROSS	
	6X4 INCH EA	8x6 INCH EA	12X6 INCH EA	12X8 INCH EA	8X6 INCH EA	12X6 INCH EA	12X8 INCH EA	12X10 INCH EA	12X12 INCH EA	12X8 INCH EA	12X12 INCH EA
PROJECT 6190-15-73											
CATEGORY 0020											
STH 116 WEST SIDE	---	---	---	---	---	4	---	---	---	---	---
STH 116 EAST SIDE	---	---	---	---	---	11	---	---	---	---	---
9TH ST	---	---	---	---	1	---	1	---	---	---	---
6TH ST	---	---	---	2	---	---	---	---	---	---	1
5TH ST	---	2	---	---	1	---	---	---	---	1	---
4TH ST	---	2	---	---	---	---	---	---	---	1	---
3RD ST	---	---	---	---	---	---	---	---	---	1	---
3RD AVE	1	1	---	---	---	1	1	---	---	---	---
4TH AVE	---	---	---	---	---	---	---	---	---	1	---
7TH AVE	---	1	1	---	---	---	1	---	1	---	---
9TH AVE	---	---	---	---	---	---	---	1	---	---	---
13TH AVE	---	---	---	---	---	---	1	---	---	---	---
PROJECT TOTALS	1	6	1	2	2	16	4	1	1	4	1

3

WATER MAIN

ROADWAY / LOCATION	209.2100 BACKFILL GRANULAR GRADE 2 CY	SPV.0090.100 4-INCH LF	SPV.0090.101 6-INCH LF	SPV.0090.102 8-INCH LF	SPV.0090.103 10-INCH LF	SPV.0090.104 12-INCH LF	SPV.0090.105 6-INCH CONTAMINATED SOILS LF	SPV.0090.106 8-INCH CONTAMINATED SOILS LF	SPV.0090.107 12-INCH CONTAMINATED SOILS LF	SPV.0060.006 LOW PERMEABLE TRENCH PLUGS EA*	COMMENT
PROJECT 6190-15-73											
CATEGORY 0020											
STH 116, STA 103+13 TO 9TH ST	30	---	---	---	---	117	---	---	---	---	
STH 116, 9TH ST TO 6TH ST	320	---	64	---	---	1,170	---	---	---	---	
STH 116, 6TH ST TO 5TH ST	120	---	---	---	---	470	---	---	---	---	
STH 116, 5TH ST TO 4TH ST	85	---	---	---	---	325	---	---	---	---	
STH 116, 4TH ST TO 3RD ST	95	---	---	---	---	204	34	---	120	1	
STH 116, 3RD ST TO STA 132+60	140	---	---	---	---	360	---	---	179	1	
STH 116, STA 149+60 TO 3RD AVE	60	---	15	---	---	217	---	---	---	---	
STH 116, 3RD AVE TO 4TH AVE	80	---	---	---	---	304	---	---	---	---	
STH 116, 4TH AVE TO 7TH AVE	255	---	22	---	---	953	---	---	---	---	
STH 116, 7TH AVE TO 9TH AVE	190	---	29	---	---	704	---	---	---	---	
STH 116, 9TH AVE TO 13TH AVE	380	---	63	---	---	1,412	---	---	---	---	
STH 116, 13TH AVE TO STA 188+00	65	---	13	---	---	246	---	---	---	---	
9TH ST	50	---	9	185	---	---	---	---	---	---	
6TH ST	35	---	---	99	---	40	---	---	---	---	
5TH ST	65	---	46	200	---	---	---	---	---	---	
4TH ST	40	---	25	129	---	---	---	---	---	---	
3RD ST	45	---	---	---	---	---	---	178	---	1	
3RD AVE	40	9	63	74	---	---	---	---	---	---	
4TH AVE	35	---	---	126	---	---	---	---	---	---	
7TH AVE	35	---	19	40	---	77	---	---	---	---	
9TH AVE	20	---	---	---	70	---	---	---	---	---	
13TH AVE	15	---	---	58	---	---	---	---	---	---	
KWIK TRIP	15	---	49	---	---	---	---	---	---	---	
PROJECT TOTALS	2,215**	9	417	911	70	6,599	34	178	299	3*	

*ADDITIONAL QTY LISTED UNDER WATER SERVICE TABLE

**QTY FOR TRENCH BACKFILL IN POOR SOILS, ESTIMATED 25% OF TRENCH LENGTH, 4' WIDE TRENCH, 7' DEEP

WATER SERVICE

STA	OFFSET	ROADWAY	SPV.0090.108 WATER SERVICE 1-INCH LF	SPV.0060.128 CORPORATION, CURB STOP, AND BOX (SET) EA	SPV.0060.006 LOW PERMEABLE TRENCH PLUGS EA*
PROJECT 6190-15-73					
CATEGORY 0020					
112+18	33' LT	STH 116	68	1	---
114+32	33' LT	STH 116	68	1	---
114+39	39' RT	STH 116	12	1	---
114+40	39' RT	STH 116	12	1	---
114+59	32' LT	STH 116	68	1	---
117+28	33' RT	STH 116	29	1	---
118+44	33' RT	STH 116	29	1	---
118+53	33' LT	STH 116	51	1	---
122+48	33' LT	STH 116	52	1	---
125+53	33' LT	STH 116	51	1	---
126+07	33' RT	STH 116	29	1	---
126+26	33' LT	STH 116	51	1	1
126+62	33' RT	STH 116	29	1	1
61+80	31' LT	6TH ST	29	1	---
51+63	32' LT	5TH ST	31	1	---
53+18	32' RT	5TH ST	35	1	---
53+26	31'LT	5TH ST	31	1	---
43+31	31' RT	4TH ST	38	1	---
43+50	31' LT	4TH ST	31	1	---
33+48	34' LT	3RD ST	45	1	1
149+64	28' LT	STH 116	23	1	---
150+64	25' RT	STH 116	44	1	---
151+09	27' LT	STH 116	23	1	---
151+23	27' RT	STH 116	47	1	---
154+42	27' LT	STH 116	18	1	---
155+58	27' LT	STH 116	18	1	---
156+67	26' RT	STH 116	46	1	---
156+67	23' LT	STH 116	19	1	---
157+17	27' RT	STH 116	46	1	---
157+69	27' RT	STH 116	46	1	---
157+75	22' LT	STH 116	18	1	---
158+27	27' RT	STH 116	46	1	---
159+25	22' LT	STH 116	18	1	---
159+71	27' RT	STH 116	46	1	---
160+14	22' LT	STH 116	18	1	---
160+21	27' RT	STH 116	46	1	---
161+59	22' LT	STH 116	18	1	---
161+92	27' RT	STH 116	46	1	---
162+83	24' LT	STH 116	19	1	---
163+18	26' LT	STH 116	20	1	---
163+19	26' RT	STH 116	46	1	---
163+84	28' LT	STH 116	21	1	---
165+35	28' RT	STH 116	48	1	---

WATER SERVICE - CONTINUED

STA	OFFSET	ROADWAY	SPV.0090.108 WATER SERVICE 1-INCH LF	SPV.0060.128 CORPORATION, CURB STOP, AND BOX (SET) EA	SPV.0060.006 LOW PERMEABLE TRENCH PLUGS EA*
PROJECT 6190-15-73					
CATEGORY 0020					
166+57	28' RT	STH 116	47	1	---
167+02	28' LT	STH 116	23	1	---
167+67	28' RT	STH 116	47	1	---
168+76	28' RT	STH 116	47	1	---
170+09	28' RT	STH 116	49	1	---
172+06	28' RT	STH 116	49	1	---
175+39	28' RT	STH 116	49	1	---
178+40	28' RT	STH 116	45	1	---
180+57	28' RT	STH 116	46	1	---
181+86	28' RT	STH 116	46	1	---
182+13	28' LT	STH 116	26	1	---
183+34	28' RT	STH 116	47	1	---
184+70	28' RT	STH 116	47	1	---
184+84	28' RT	STH 116	47	1	---
186+78	39' RT	STH 116	53	1	---
187+84	41' RT	STH 116	57	1	---
45+88	24' LT	S 4TH AVE	27	1	---
		PROJECT TOTALS	2,281	60	3*

*ADDITIONAL QTY LISTED UNDER WATER MAIN TABLE

MINI-STORM SEWER

STATION	ROADWAY	SPV.0090.001 MINI STORM LATERAL 4-INCH LF	SPV.0090.002 MINI STORM TRUNK 6-INCH LF	SPV.0060.005 MINI STORM SEWER CLEANOUTS EA	COMMENT
PROJECT 6190-15-73					
CATEGORY 0030					
73+12, RT	7TH ST	5	---	---	TO SS65.3
114+00, LT	STH 116	15	---	---	TO SS70.4
114+82, LT	STH 116	47	---	---	TO STORM TRNK
115+55, LT	STH 116	47	---	---	TO STORM TRNK
116+65, LT	STH 116	15	---	---	TO SS80.3
117+18, RT	STH 116	38	---	---	TO STORM TRNK
118+29, RT	STH 116	38	---	---	TO STORM TRNK
118+47, LT	STH 116	39	---	---	TO STORM TRNK
119+13, RT	STH 116	5	---	---	TO SS85.2
120+06, LT	STH 116	39	---	---	TO STORM TRNK
121+80, LT	STH 116	5	---	---	TO SS90.8
122+88, LT	STH 116	39	---	---	TO STORM TRNK
123+19, RT	STH 116	39	---	---	TO STORM TRNK
123+59, LT	STH 116	39	---	---	TO STORM TRNK
124+60 LT - 126+00 LT	STH 116	---	150	1	TO SS95.5
124+68, LT	STH 116	5	---	---	TO MINI STORM TRNK
125+56, LT	STH 116	5	---	---	TO MINI STORM TRNK
125+96, LT	STH 116	5	---	---	TO MINI STORM TRNK
124+45 RT - 127+97 RT	STH 116	---	365	2	TO SS95.1
124+64, RT	STH 116	5	---	---	TO MINI STORM TRNK
125+75, RT	STH 116	5	---	---	TO MINI STORM TRNK
126+13, RT	STH 116	5	---	---	TO MINI STORM TRNK
126+40, RT	STH 116	5	---	---	TO MINI STORM TRNK
127+75, RT	STH 116	12	---	---	TO ROOF DRAIN
127+97, RT	STH 116	12	---	---	TO ROOF DRAIN
132+57, RT	STH 116	45	---	---	TO STORM TRNK
150+74, RT	STH 116	73	---	---	TO SS115.3
151+25, RT	STH 116	5	---	---	TO SS115.6
151+48, LT	STH 116	5	---	---	TO SS115.5
153+00, RT	STH 116	10	---	---	TO SS125.1
153+48, LT	STH 116	30	---	---	TO SS125.2
153+91, RT	STH 116	42	---	---	TO STORM TRNK
154+26, LT	STH 116	25	---	---	TO STORM TRNK
155+75 LT - 157+82 LT	STH 116	---	212	1	TO SS130.2
155+86, LT	STH 116	5	---	---	TO MINI STORM TRNK
157+02, LT	STH 116	5	---	---	TO MINI STORM TRNK
157+80, LT	STH 116	5	---	---	TO MINI STORM TRNK

MINI-STORM SEWER - CONTINUED

STATION	ROADWAY	SPV.0090.001 MINI STORM LATERAL 4-INCH LF	SPV.0090.002 MINI STORM TRUNK 6-INCH LF	SPV.0060.005 MINI STORM SEWER CLEANOUTS EA	COMMENT
PROJECT 6190-15-73					
CATEGORY 0030					
155+75 RT - 157+76 RT	STH 116	---	205	1	TO SS130.1
155+87, RT	STH 116	6	---	---	TO MINI STORM TRNK
156+71, RT	STH 116	5	---	---	TO MINI STORM TRNK
157+33, RT	STH 116	5	---	---	TO MINI STORM TRNK
157+74, RT	STH 116	5	---	---	TO MINI STORM TRNK
158+54 RT - 160+33 RT	STH 116	---	185	1	TO SS135.3
158+56, RT	STH 116	5	---	---	TO MINI STORM TRNK
159+65, RT	STH 116	5	---	---	TO MINI STORM TRNK
160+48, RT	STH 116	10	---	---	TO SS135.2
159+12 LT - 160+33 LT	STH 116	---	126	1	TO SS135.4
159+14, LT	STH 116	5	---	---	TO MINI STORM TRNK
160+23, LT	STH 116	5	---	---	TO MINI STORM TRNK
161+02, LT	STH 116	20	---	---	TO SS135.0
162+17 RT - 163+38 RT	STH 116	---	124	1	TO SS145.1
162+20, RT	STH 116	5	---	---	TO MINI STORM TRNK
163+28, RT	STH 116	5	---	---	TO MINI STORM TRNK
162+60 LT - 163+38 LT	STH 116	---	83	1	TO SS145.2
162+62, LT	STH 116	5	---	---	TO MINI STORM TRNK
163+33, LT	STH 116	5	---	---	TO MINI STORM TRNK
163+80, LT	STH 116	50	---	---	TO STORM TRNK
165+05, RT	STH 116	46	---	---	TO STORM TRNK
165+50, LT	STH 116	10	---	---	TO SS140.1
166+63 RT - 168+43 RT	STH 116	---	185	1	TO SS160.1
165+65, RT	STH 116	5	---	---	TO MINI STORM TRNK
167+62, RT	STH 116	5	---	---	TO MINI STORM TRNK
168+38, RT	STH 116	5	---	---	TO MINI STORM TRNK
167+38 LT - 168+43 LT	STH 116	---	110	1	TO SS160.2
167+40, LT	STH 116	5	---	---	TO MINI STORM TRNK
169+65, LT	STH 116	37	---	---	TO STORM TRNK
170+12, RT	STH 116	32	---	---	TO STORM TRNK
171+20, RT	STH 116	10	---	---	TO SS155.1
171+63, LT	STH 116	15	---	---	TO SS150.1
174+76, LT	STH 116	10	---	---	TO SS195.3
175+01, RT	STH 116	10	---	---	TO SS195.1
179+01, RT	STH 116	10	---	---	TO SS185.1
182+11, RT	STH 116	5	---	---	TO SS175.5
PROJECT TOTALS		1,065	1,745	11	

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
TRANSPORTATION PROJECT PLAT TITLE SHEET

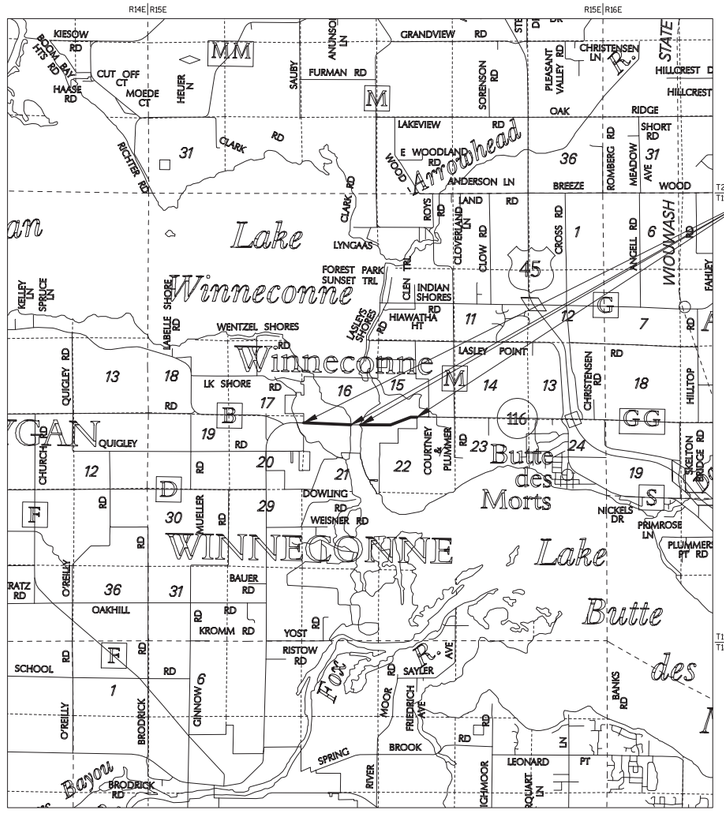
PROJ NO. 6190-15-21

MAIN ST, VILLAGE OF WINNECONNE

WEST VILLAGE LIMITS - EAST VILLAGE LIMITS

STH 116
WINNEBAGO COUNTY





LAYOUT
SCALE 0 1 MI.

CONVENTIONAL SYMBOLS

SECTION LINE
QUARTER LINE
SIXTEENTH LINE
NEW REFERENCE LINE
NEW R/W LINE
EXISTING R/W LINE
PROPERTY LINE
LOT, TIE & OTHER MINOR LINES
CORPORATE LIMITS
UNDERGROUND FACILITY (COMMUNICATIONS, ELECTRIC, ETC)
FEE ACQUISITION AREA (HATCHING VARIES BY OWNER)
TEMPORARY LIMITED EASEMENT AREA
EASEMENT AREA (HIGHWAY, PERMANENT LIMITED, OR RESTRICTED DEVELOPMENT)
TRANSMISSION STRUCTURES
BUILDING
NATIONAL GEODETIC SURVEY MONUMENT
SIXTEENTH CORNER MONUMENT

SECTION CORNER
NOTATION FOR COMBUSTABLE FLUIDS (CAUTION)
NOTATION FOR HIGH VOLTAGE TRANSMISSION LINES (CAUTION)
R/W MONUMENT (TO BE SET)
NON-MONUMENTED R/W POINT
FOUND IRON PIN
VALVE (GAS, WATER, ETC.)
SIGN
OFF-PREMISE 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 ABBREVIATIONS

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

CURVE DATA

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 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—

THE NOTES,CONVENTIONAL SIGNS, AND ABBREVIATIONS ARE ASSOCIATED WITH EACH TRANSPORTATION PROJECT PLAT FOR PROJECT 6190-15-21

NOTES:

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COUNTY COORDINATES, WINNEBAGO COUNTY, NAD83(2011), IN U.S. SURVEY FEET. VALUES ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

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 AN EASEMENT FOR HIGHWAY PURPOSES, 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 HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE:

SEE INDIVIDUAL TRANSPORTATION PROJECT PLAT, FOR REFERENCE

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 6190-15-21 - 4.01
SHEET 2 OF 2
AMENDMENT NO:

FILE NAME : F:\TR\JOBS\E2073A13\CIVIL 3D 2014\SHEETSPLAN\71 SHEETS\61901571-040100-RP.DWG
APPRAISAL PLAT DATE :
PLOT DATE : 12/14/2012 7:46 PM
PLOT BY : RYAN MALUEG
PLOT NAME :

TRANSPORTATION PROJECT PLAT NO: 6190-15-21 - 4.01

THAT PART OF OUTLOT 1, OUTLOT 2, OUTLOT 3, OUTLOT 4, BLOCK 16, BLOCK 17, VACATED S. 7TH STREET, RIPON ADDITION TO WINNECONNE, LOCATED IN THE NORTHWEST QUARTER OF THE NORTHWEST QUARTER OF SECTION 21, T19N, R15E, VILLAGE OF WINNECONNE, WINNEBAGO COUNTY, WISCONSIN.

RELOCATION ORDER STH 116, WINNEBAGO COUNTY

WEST VILLAGE LIMITS - EAST VILLAGE LIMITS

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

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SUBSECTIONS 84.02 (3), 84.09 AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:

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

1700277

REGISTER'S OFFICE
WINNEBAGO COUNTY, WI
RECORDED ON
10/27/2015 9:28 AM

JULIE PAGEL
REGISTER OF DEEDS

RECORDING FEE 25.00
PAGES: 2

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 6190-15-21 - 4.01
SHEET 1 OF 2

VILLAGE OF WINNECONNE

SECTION 21 NW-NW

ROAD NAME	BASIS OF EXISTING R/W	YEAR
STH 116	RIPON ADDITION TO WINNECONNE CSM NO. 4990	1868 2002
S & N 6TH ST	RIPON ADDITION TO WINNECONNE	1868
N 7TH ST	RIPON ADDITION TO WINNECONNE	1868
N 9TH ST	CSM NO. 4490	2002

UTILITIES INTEREST REQUIRED

UTILITY NO.	OWNER(S)	INTEREST REQUIRED
300	AT&T WISCONSIN	RELEASE OF RIGHTS
301	CHARTER COMMUNICATIONS	RELEASE OF RIGHTS
302	ALLIANT ENERGY - ELECTRIC	RELEASE OF RIGHTS

LINE TABLE

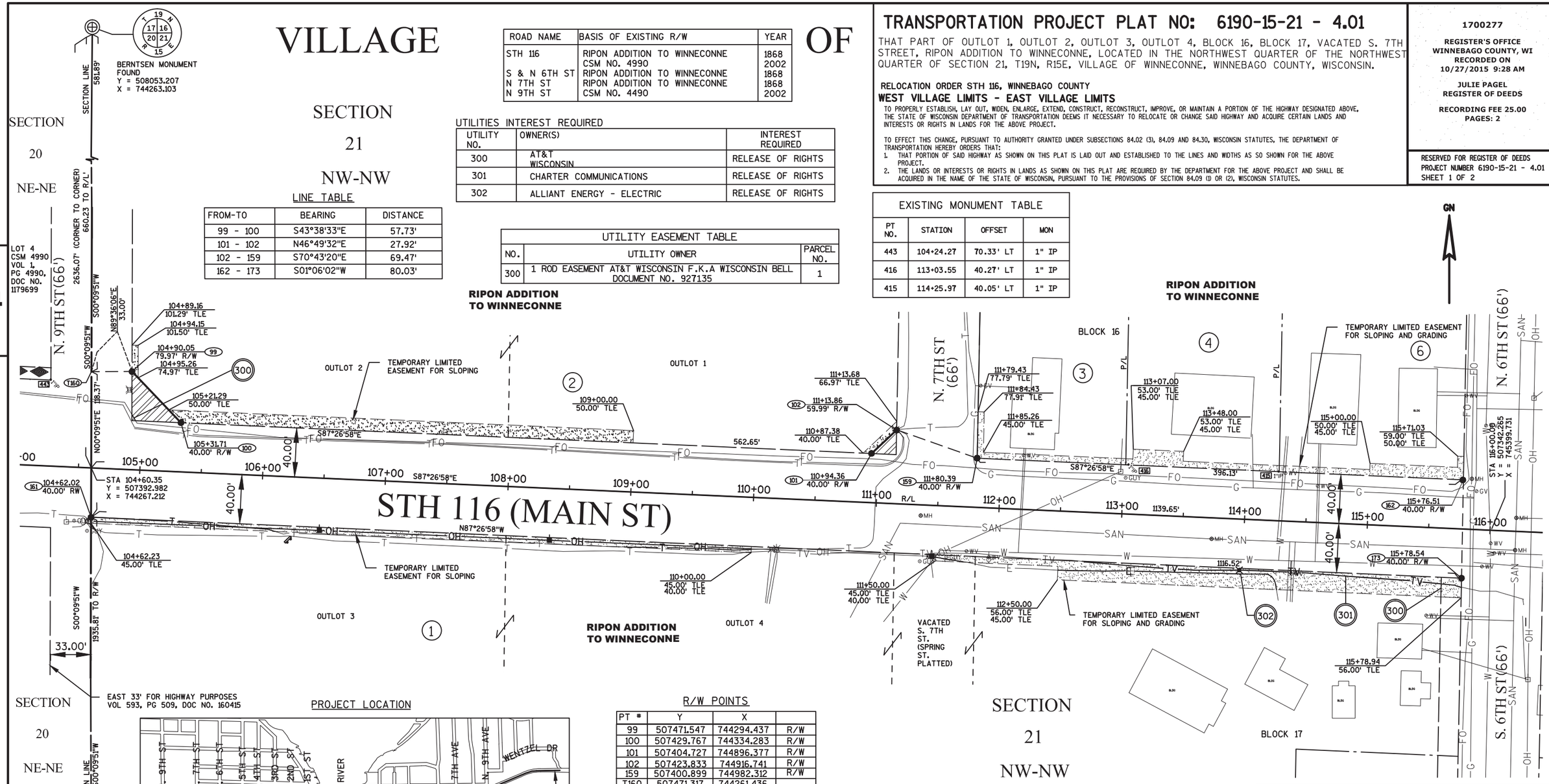
FROM-TO	BEARING	DISTANCE
99 - 100	S43°38'33"E	57.73'
101 - 102	N46°49'32"E	27.92'
102 - 159	S70°43'20"E	69.47'
162 - 173	S01°06'02"W	80.03'

UTILITY EASEMENT TABLE

NO.	UTILITY OWNER	PARCEL NO.
300	1 ROD EASEMENT AT&T WISCONSIN F.K.A WISCONSIN BELL DOCUMENT NO. 927135	1

EXISTING MONUMENT TABLE

PT NO.	STATION	OFFSET	MON
443	104+24.27	70.33' LT	1" IP
416	113+03.55	40.27' LT	1" IP
415	114+25.97	40.05' LT	1" IP



R/W POINTS

PT #	Y	X	
99	507471.547	744294.437	R/W
100	507429.767	744334.283	R/W
101	507404.727	744896.377	R/W
102	507423.833	744916.741	R/W
159	507400.899	744982.312	R/W
T160	507471.317	744261.436	
161	507352.948	744261.097	R/W
162	507383.270	745378.047	R/W
173	507303.259	745376.510	R/W

"OWNERS" NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO TRANSFER OF LAND INTERESTS TO THE DEPARTMENT OF TRANSPORTATION

SCHEDULE OF LANDS AND INTEREST

PARCEL NO.		INTEREST REQUIRED	R/W AREA REQUIRED NEW	EXISTING	TOTAL	TLE
1	VILLAGE OF WINNECONNE	TLE		---	---	8449 SQ FT
2	WINNECONNE SPORTS COMPLEX, LLC	FEE, TLE	1000 SQ FT	---	1000 SQ FT	4015 SQ FT
3	VINCENT B. HEATH & JACKIE L. HEATH	TLE		---	---	769 SQ FT
4	DUWAYNE J. DAILEY & JODI A. DAILEY	TLE		---	---	953 SQ FT
6	BT MOKLER PROPERTIES, LLC	TLE		---	---	1177 SQ FT

0' 80' 160'

OMNNI ASSOCIATES
ONE SYSTEMS DRIVE
APPLETON, WI 54914-1654
PHONE (920) 735-6900
FAX (920) 830-6100

I, DAVID A. YURK 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 DEPARTMENT OF TRANSPORTATION, I HAVE MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

SIGNATURE: David A. Yurk DATE: 10-27-2015

PRINT NAME: DAVID A. YURK

REGISTRATION NUMBER: S-2648

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

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

SIGNATURE: Curt VanErem DATE: 10-27-2015

PRINT NAME: CURT VAN EREM

TRANSPORTATION PROJECT PLAT NO: 6190-15-21 - 4.02

LOTS 7, 8, 9, 10, 11, 12, BLOCK 9, LOTS 1, 2, 3, 4, 5, 6, BLOCK 10, LOTS 1, 2, 3, BLOCK 12, LOTS 8, 9, 13, BLOCK 13, RIPON ADDITION TO WINNECONNE, LOCATED IN THE NORTHEAST QUARTER OF THE NORTHWEST QUARTER, LOTS 3, 4, 5, BLOCK 12, LOTS 6, 7, 8, BLOCK 13, RIPON ADDITION TO WINNECONNE LOCATED IN THE NORTHWEST QUARTER OF THE NORTHWEST QUARTER, ALL IN SECTION 21, T19N, R15E, VILLAGE OF WINNECONNE, WINNEBAGO COUNTY, WISCONSIN.

RELOCATION ORDER STH 116, WINNEBAGO COUNTY

WEST VILLAGE LIMITS - EAST VILLAGE LIMITS

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

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SUBSECTIONS 84.02 (3), 84.09 AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:

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

1701356

REGISTER'S OFFICE
WINNEBAGO COUNTY, WI
RECORDED ON
11/11/2015 10:55 AM

JULIE PAGEL
REGISTER OF DEEDS

RECORDING FEE 25.00
PAGES: 1

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 6190-15-21 - 4.02
AMENDMENT NO:

REFER TO TITLE SHEET, RECORDED AS SHEET 2 OF 2 AS DOCUMENT NO. 1700277 FOR ADDITIONAL INFORMATION.

ROAD NAME	BASIS OF EXISTING R/W	YEAR
STH 116	RIPON ADDITION TO WINNECONNE	1868
N & S 6TH ST.		
N & S 5TH ST.		
N & S 4TH ST.		

EXISTING MONUMENT TABLE			
PT NO.	STATION	OFFSET	MON
688	117+78.18	39.50' RT	1" IP
410	118+08.89	40.00' LT	1" IP
411	119+07.91	40.52' LT	1" IP
687	119+09.91	39.50' RT	1" IP
884	121+04.94	39.66' LT	1" IP
885	122+04.84	40.35' LT	1" IP

R/W POINTS

PT #	Y	X
163	507380.332	745444.003
164	507362.703	745839.737
165	507359.765	745905.693
182	507357.081	745965.951
183	507367.071	745966.396
184	507366.181	745986.377
185	507356.191	745985.932
166	507348.013	745442.465
174	507300.321	745838.200
175	507282.693	746169.516
176	507279.754	745904.155
177	507268.002	746167.978
P181	507288.063	745717.634
P180	507278.073	745717.189
P179	507278.518	745707.199
P178	507288.508	745707.644
T216	507340.327	745443.234

Line Table

FROM-TO	Direction	Length
P182-P183	N02°33'02"E	10.00'
P183-P184	S87°26'58"E	20.00'
P184-P185	S02°33'02"W	10.00'
P185-P182	N87°26'58"W	20.00'
P181-P180	S02°33'02"W	10.00'
P180-P179	N87°26'58"W	10.00'
P179-P178	N02°33'02"E	10.00'
P178-P181	S87°26'58"E	10.00'

BERNTSEN MONUMENT FOUND
Y = 508053.207
X = 744263.103

SECTION 21 NW-NW

SECTION 21 NE-NW

VILLAGE OF WINNECONNE

RIPON ADDITION TO WINNECONNE

STH 116

MAIN ST

N. 6TH ST (66')

N. 5TH ST (66')

N. 4TH ST (66')

S. 6TH ST (66')

S. 5TH ST (66')

S. 4TH ST (66')

SECTION LINE S00°09'51"W 2636.07' (CORNER TO CORNER)

660.23 TO R/L

1/16 LINE

P/L

TEMPORARY LIMITED EASEMENT FOR SLOPING AND GRADING

PLE FOR DRAINAGE FACILITY

SAINT PAUL EVANGELICAL LUTHERAN CHURCH OF WINNECONNE

THE TRUSTEES OF THE GERMAN LUTHERAN CHURCH OF WINNECONNE

BLOCK 12 SECTION 21 NW-NW

BLOCK 13

BLOCK 9

BLOCK 10

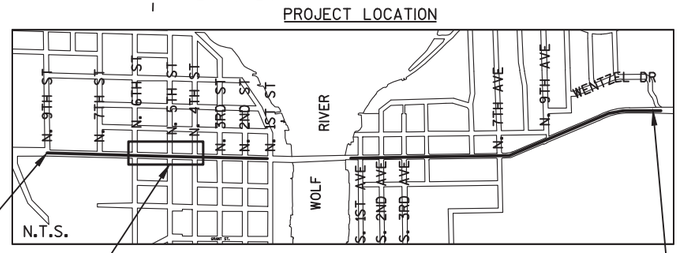
HARRISON MONUMENT FOUND
Y = 505417.150
X = 744255.553

START PROJECT

SHEET LOCATION

END PROJECT

PROJECT LOCATION



SCHEDULE OF LANDS AND INTEREST

"OWNERS" NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO TRANSFER OF LAND INTERESTS TO THE DEPARTMENT OF TRANSPORTATION

PARCEL NO.		INTEREST REQUIRED	AREA REQUIRED NEW	EXISTING	TOTAL	TLE	PLE
7	VILLAGE OF WINNECONNE	TLE	---	---	---	825 SF	---
8	JOSEPH J. REINKE JR.	TLE	---	---	---	660 SF	---
9	DWIGHT R. SIMPSON	TLE	---	---	---	660 SF	---
11	AMERICAN LEGION GILES LUCE POST 364 OF WINNECONNE	TLE	---	---	---	495 SF	---
12	ERIC-JOHN R. GILGENBACH & LAURA A. GILGENBACH	TLE	---	---	---	760 SF	---
13	J. CHARA PROPERTIES, LLC	TLE PLE	---	---	---	714 SF	99 SF
14	ST. PAUL EVANGELICAL LUTHERAN CHURCH OF WINNECONNE, WISCONSIN AND THE TRUSTEES OF THE GERMAN LUTHERAN SAINT PAUL CHURCH OF WINNECONNE	TLE	---	---	---	1407 SF	---
16	JEFFREY B. GLUBKA & CHERISH GLUBKA	TLE PLE	---	---	---	468 SF	200 SF
17	WILLIAM R. HILLMAN & JANICE L. HILLMAN	TLE	---	---	---	850 SF	---
18	KENNETH GIDDINGS & MELISSA GIDDINGS	TLE	---	---	---	246 SF	---

0' 60' 120'

RIPON ADDITION TO WINNECONNE

SECTION 21 NE-NW

OMNNI ASSOCIATES
ONE SYSTEMS DRIVE
APPLETON, WI 54914-1654
PHONE (920) 735-6900
FAX (920) 830-6100

I, DAVID A. YURK 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 DEPARTMENT OF TRANSPORTATION, I HAVE MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

SIGNATURE: David A. Yurk DATE: 11-11-2015

PRINT NAME: DAVID A. YURK

REGISTRATION NUMBER: S-2648

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

SIGNATURE: Curt Van Erem DATE: 11-11-2015

PRINT NAME: CURT VAN EREM

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

VILLAGE OF WINNECONNE

TRANSPORTATION PROJECT PLAT NO: 6190-15-21 - 4.03

THAT PART OF LOT 7, BLOCK 3, LOT 6, BLOCK 4, LOTS 1, 2, 3, 4, 5, 6, BLOCK 5, LOTS 6,7, 8, 9, 10, 11, BLOCK 6, RIPON ADDITION TO WINNECONNE, LOCATED IN THE NORTHEAST QUARTER OF THE NORTHWEST QUARTER OF SECTION 21, T19N, R15E, VILLAGE OF WINNECONNE, WINNEBAGO COUNTY, WISCONSIN

RELOCATION ORDER STH 116, WINNEBAGO COUNTY

WEST VILLAGE LIMITS - EAST VILLAGE LIMITS

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

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SUBSECTIONS 84.02 (3), 84.09 AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:

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1701357
REGISTER'S OFFICE
WINNEBAGO COUNTY, WI
RECORDED ON
11/11/2015 10:56 AM
JULIE PAGEL
REGISTER OF DEEDS
RECORDING FEE 25.00
PAGES: 1

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 6190-15-21 - 4.03
AMENDMENT NO:

REFER TO TITLE SHEET, RECORDED AS SHEET 2 OF 2 AS DOCUMENT NO. 1700277 FOR ADDITIONAL INFORMATION.

PLE POINTS

PT #	Y	X
263	507255.450	746233.749
264	507255.257	746243.748
265	507240.260	746243.460
266	507240.252	746233.461

LINE TABLE

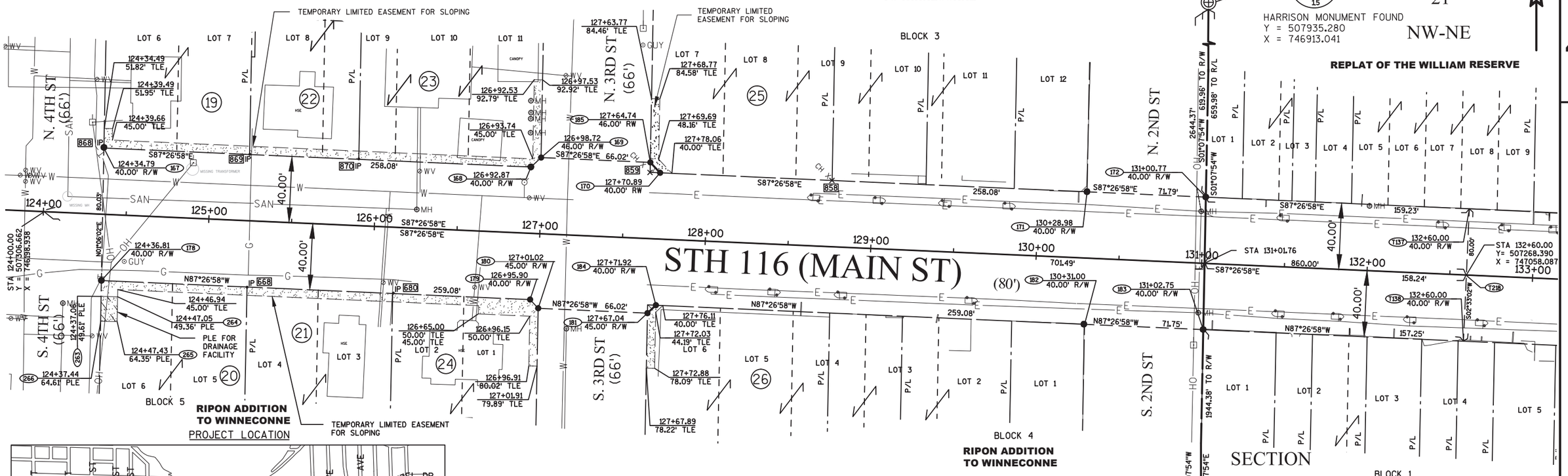
FROM-TO	BEARING	DISTANCE
168 - 169	N46°49'32"E	8.38'
185 - 170	S43°10'28"E	8.59'
184 - 181	S46°50'06"W	6.98'
180 - 179	N43°11'59"W	7.16'
178 - 263	S01°06'02"W	9.62'
263 - 266	S01°06'02"W	15.00'
266 - 265	S88°53'59"E	10.00'
265 - 264	N01°06'02"E	15.00'
264 - 263	N88°53'59"W	10.00'

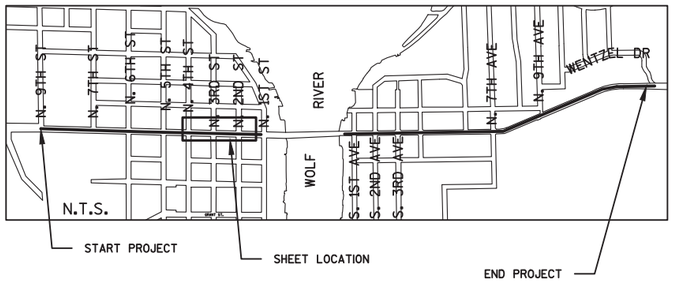
R/W POINTS

PT #	Y	X
T137	507308.350	747059.866
T138	507228.429	747056.306
167	507345.075	746235.471
168	507333.589	746493.300
169	507339.321	746499.410
170	507330.117	746571.244
171	507318.632	746829.073
172	507315.437	746900.796
178	507265.064	746233.934
179	507253.534	746492.762
180	507248.317	746497.661
181	507245.374	746563.617
182	507238.621	746827.536
183	507235.428	746899.215
184	507250.151	746568.708
185	507336.383	746565.365
T218	507268.390	747058.087

EXISTING MONUMENT TABLE

PT NO.	STATION	OFFSET	MON
868	124+34.79	40.37' LT	1" IP
869	125+22.95	40.12' LT	1" IP
870	125+88.77	40.27' LT	1" IP
859	127+64.83	39.96' LT	CH X
858	128+74.80	40.00' LT	CH X
680	126+13.26	39.79' RT	1" IP
668	125+24.84	40.13' RT	1" IP





SCHEDULE OF LANDS AND INTEREST

"OWNERS" NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO TRANSFER OF LAND INTERESTS TO THE DEPARTMENT OF TRANSPORTATION

PARCEL NO.		INTEREST REQUIRED	AREA REQUIRED				
			NEW	EXISTING	TOTAL	TLE	PLE
19	DANIEL S. BOEHNLIEN & CONNIE M. KOSTICHKA	TLE	---	---	---	475 SF	---
20	ST. PAUL EVANGELICAL LUTHERAN CHURCH OF WINNECONNE	TLE PLE	---	---	---	470 SF	150 SF
21	SCOTT R. CROSS & CHRISTINE A. CROSS	TLE	---	---	---	485 SF	---
22	PATTI ANN HERLACHE & LIFE ESTATE INTEREST OF ADELINE N. PETERSON	TLE	---	---	---	330 SF	---
23	JOHN L. ESCH	TLE	---	---	---	772 SF	---
24	JOHN J. JASKOLSKI & CYNTHIA J. JASKOLSKI	TLE	---	---	---	758 SF	---
25	JEFFREY H. RYF & CHERYL L. RYF	FEE TLE	18 SF	---	18 SF	238 SF	---
26	VILLAGE PUB, LLC	FEE TLE	12 SF	---	12 FT	187 SF	---

ROAD NAME	BASIS OF EXISTING R/W	YEAR
STH 116 N & S 3RD ST N & S 2ND ST	RIPON ADDITION TO WINNECONNE	1868

OMNNI ASSOCIATES
ONE SYSTEMS DRIVE
APPLETON, WI 54914-1654
PHONE (920) 735-6900
FAX (920) 830-6100

I, DAVID A. YURK 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 DEPARTMENT OF TRANSPORTATION, I HAVE MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

SIGNATURE: David A. Yurk DATE: 11-6-2015
PRINT NAME: DAVID A. YURK
REGISTRATION NUMBER: S-2648

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

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

SIGNATURE: Curt Van Erem DATE: 11-6-2015
PRINT NAME: CURT VAN EREM

FILE NAME : F:\TR\JOBS\E2073A13\CIVIL 3D 2014\SHEETSPLAN\71 SHEETS\61901571-040101-RP.DWG
PLOT DATE : 11/3/2015 11:55 AM PLOT BY : DAVE A. YURK PLOT NAME : PLOT SCALE : **********
APPRAISAL PLAT DATE : ----------

"OWNERS" NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO TRANSFER OF LAND INTERESTS TO THE DEPARTMENT OF TRANSPORTATION

VILLAGE OF WINNECONNE

SCHEDULE OF LANDS AND INTEREST

PARCEL NO.		INTEREST REQUIRED	AREA REQUIRED NEW	EXISTING	TOTAL	TLE	PLE
29	MCDONALD-MAIN STREET LLC	FEE TLE	86 SQ FT	---	86 SQ FT	380 SQ FT	---
31	THE JAMES AND SUSAN REVOCABLE TRUST	FEE TLE PLE	472 SQ FT	---	472 SQ FT	712 SQ FT	73 SQ FT
32	BONNIE A. JENSS	FEE TLE PLE	262 SQ FT	---	262 SQ FT	448 SQ FT	191 SQ FT
33	MCDONALD MARITAL TRUST	FEE TLE	468 SQ FT	---	468 SQ FT	747 SQ FT	---
34	MICHAEL J. WICINSKY & DONNA M. WICINSKY	FEE TLE	463 SQ FT	---	463 SQ FT	758 SQ FT	---
36	JEFF E. KOVATCH & SANDRA A. KOVATCH	FEE TLE	510 SQ FT	---	510 SQ FT	600 SQ FT	---
37	CHRISTIAN MARSH PROPERTIES, LLC	FEE TLE	480 SQ FT	---	480 SQ FT	1133 SQ FT	---
38	DARREN D. LAABS & LISA A. LAABS	FEE TLE	359 SQ FT	---	359 SQ FT	584 SQ FT	---
39	BRUCE A. LUTTER & PEGGY L. LUTTER	FEE TLE	502 SQ FT	---	502 SQ FT	1114 SQ FT	---
41	J. CHARA PROPERTIES, LLC	FEE TLE	107 SQ FT	---	107 SQ FT	306 SQ FT	---
42	MELVIN L. LEEMAN & BETTY BUHROW VENDEES INTEREST IN LAND CONTRACT, ROBERT J. MEINEN & BETTY BUHROW VENDORS INTEREST	FEE TLE	107 SQ FT	--- --- ---	107 SQ FT	351 SQ FT	---
43	PATRICIA J. SPANO	FEE TLE	167 SQ FT	---	167 SQ FT	630 SQ FT	---

ROAD NAME	BASIS OF EXISTING R/W	YEAR
STH 116 N & S 3RD AVE N & S 4TH AVE	PLAT OF WINNECONNE	1849

GN

SECTION 21 NE-NE

TRANSPORTATION PROJECT PLAT NO: 6190-15-21 - 4.04

THAT PART OF LOTS 3, 4, 5, BLOCK 2, LOT 1, BLOCK 3, LOT 1, BLOCK 6, LOTS 4, 5, 6, BLOCK 7, LOT 5, BLOCK 10, LOTS 1, 10, BLOCK 11, PUBLIC SQUARE, PLAT OF WINNECONNE, LOCATED IN THE NORTHEAST QUARTER OF THE NORTHEAST QUARTER OF SECTION 21, T19N, R15E, VILLAGE OF WINNECONNE, WINNEBAGO COUNTY, WISCONSIN.

RELOCATION ORDER STH 116, WINNEBAGO COUNTY

WEST VILLAGE LIMITS - EAST VILLAGE LIMITS

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

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1706471

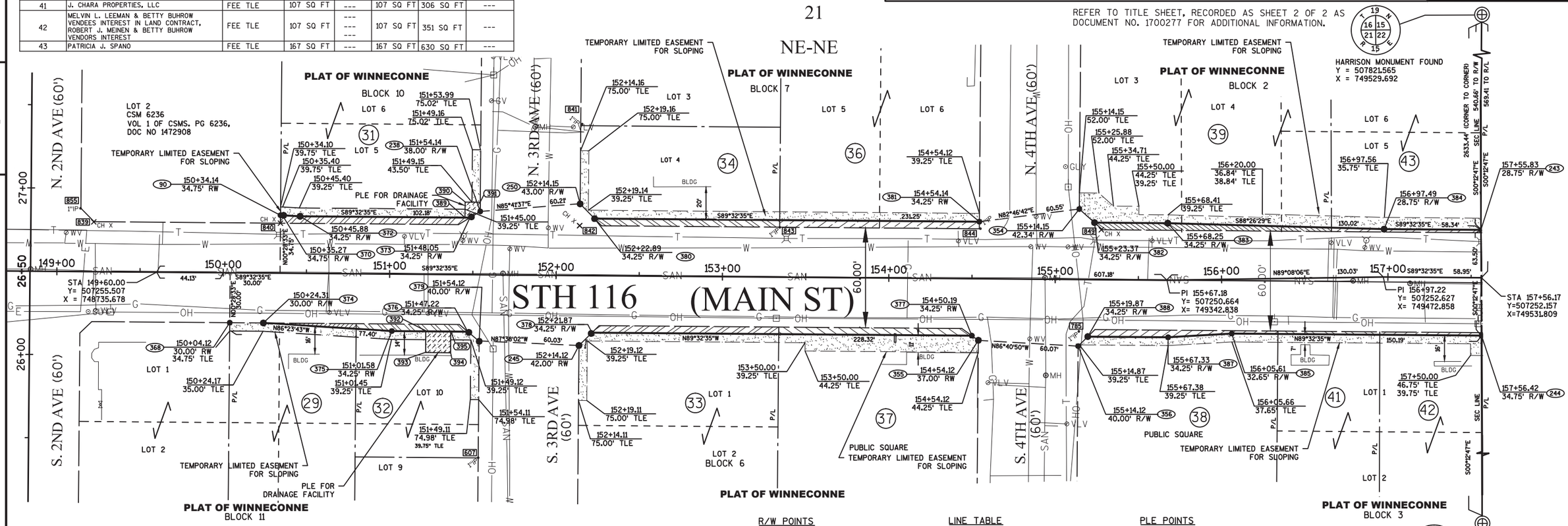
REGISTER'S OFFICE
WINNEBAGO COUNTY, WI
RECORDED ON
02/03/2016 10:34 AM

CHRISTOPHER LARSON
DEPUTY REGISTER OF DEEDS

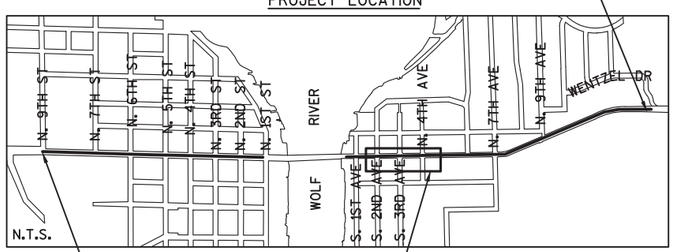
RECORDING FEE 25.00
PAGES: 1

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 6190-15-21 - 4.04
AMENDMENT NO:

REFER TO TITLE SHEET, RECORDED AS SHEET 2 OF 2 AS DOCUMENT NO. 1700277 FOR ADDITIONAL INFORMATION.



PROJECT LOCATION



SECTION 21 NE-NE

WINNECONNE

EXISTING MONUMENT TABLE			
PT NO.	STATION	OFFSET	MON
855	149+13.91	37.91' LT	1" IP
839	149+21.95	29.86' LT	CH X
840	150+34.14	30.00' LT	CH X
607	151+54.10	109.94' RT	1" IP
842	152+13.96	29.96' LT	CH X
841	152+14.97	90.90' LT	1" IP
843	153+34.30	26.87' LT	1" IP
844	154+54.92	27.04' LT	1" IP
785	155+14.54	34.20' RT	1" IP
849	155+27.59	26.94' LT	CH X

R/W POINTS

PT #	Y	X	
90	507289.665	748810.094	RW
238	507291.958	748930.117	RW
243	507280.909	749531.702	RW
244	507217.406	749531.938	RW
245	507211.482	748989.450	RW
250	507296.479	748990.157	RW
354	507293.426	749290.142	RW
355	507214.567	749229.484	RW
356	507211.089	749289.457	RW
368	507225.157	748779.557	RW
370	507289.656	748811.219	RW
372	507289.071	748821.821	RW
373	507288.256	748923.992	RW
374	507224.996	748799.744	RW
375	507220.129	748876.987	RW
376	507219.765	748922.617	RW
377	507217.349	749225.579	RW
378	507219.170	748997.284	RW
379	507213.961	748929.468	RW
380	507287.660	748998.834	RW
381	507285.815	749230.076	RW
382	507285.263	749299.300	RW
383	507284.911	749343.388	RW
384	507281.374	749473.364	RW
385	507218.603	749381.757	RW
387	507216.408	749343.503	RW
388	507216.793	749295.255	RW

LINE TABLE

PT #	BEARING	DISTANCE
385-387	S86°42'58"W	38.32'
387-388	N89°32'35"W	48.25'
388-356	S45°27'59"W	8.13'
355-377	N54°32'41"W	4.79'
378-245	S45°27'59"W	10.96'
379-376	N49°43'47"W	8.98'
376-395	N89°32'35"W	10.22'
395-394	S00°27'25"W	12.75'
394-393	N89°32'35"W	15.00'
393-392	N00°27'25"E	12.75'
392-395	S89°32'35"W	15.00'
376-375	N89°32'35"W	45.63'
374-368	N89°32'35"W	20.19'
90-370	S89°32'35"E	1.12'
370-372	S86°50'43"E	10.62'
389-390	N00°27'25"E	9.25'
390-391	S89°32'35"E	9.15'
391-238	S00°28'33"W	5.50'
238-373	S58°51'17"W	7.16'
373-389	N89°32'35"W	3.05'
373-238	N58°51'17"E	7.16'
250-380	S44°32'01"E	12.37'
354-382	S48°17'03"E	12.27'
382-383	S89°32'35"E	44.09'

PLE POINTS

PT #	X	Y	STA	O/S
389	507288.281	748920.943	151+45.00	34.25'
390	507297.531	748921.017	151+45.00	43.50'
391	507297.458	748930.163	151+54.15	43.50'
392	507219.966	748897.397	151+22.00	34.25'
393	507207.217	748897.300	151+22.00	47.00'
394	507207.097	748912.295	151+37.00	47.00'
395	507219.847	748912.397	151+37.00	34.25'

0' 60' 120'

OMNNI ASSOCIATES
ONE SYSTEMS DRIVE
APPLETON, WI 54914-1654
PHONE (920) 735-6900
FAX (920) 830-6100

I, DAVID A. YURK 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 DEPARTMENT OF TRANSPORTATION, I HAVE MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

SIGNATURE: David A. Yurk DATE: 1/25/16

PRINT NAME: DAVID A. YURK

REGISTRATION NUMBER: S-2648

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

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

SIGNATURE: Curt Van Erem DATE: 1-26-2016

PRINT NAME: CURT VAN EREM

VILLAGE OF WINNECONNE

TRANSPORTATION PROJECT PLAT NO: 6190-15-21 - 4.05 AMENDMENT NO. 1

REVISE UTILITY NUMBER 300 TO UTILITY NUMBER 302 OF TRANSPORTATION PROJECT PLAT NO: 6190-15-21-4.05 RECORDED AS DOCUMENT NO. 1706473

THAT PART OF LOTS 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, UNNAMED BLOCK, LOTS 1, 2, 3, 4, 5, BLOCK 2, LOTS 1, 2, 3, 4, 5, BLOCK 3, HAMLIN, TWINNING, SMITH & EVERETT'S SUBDIVISION, LOCATED IN THE NORTHWEST QUARTER OF THE NORTHWEST QUARTER OF SECTION 22, T19N, R15E, VILLAGE OF WINNECONNE, WINNEBAGO COUNTY, WISCONSIN.

RELOCATION ORDER STH 116, WINNEBAGO COUNTY

WEST VILLAGE LIMITS - EAST VILLAGE LIMITS

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

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SUBSECTIONS 84.02 (3), 84.09 AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:

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

1738170

REGISTER'S OFFICE
WINNEBAGO COUNTY, WI
RECORDED ON
04/27/2017 9:25 AM

NATALIE STROHMEYER
REGISTER OF DEEDS

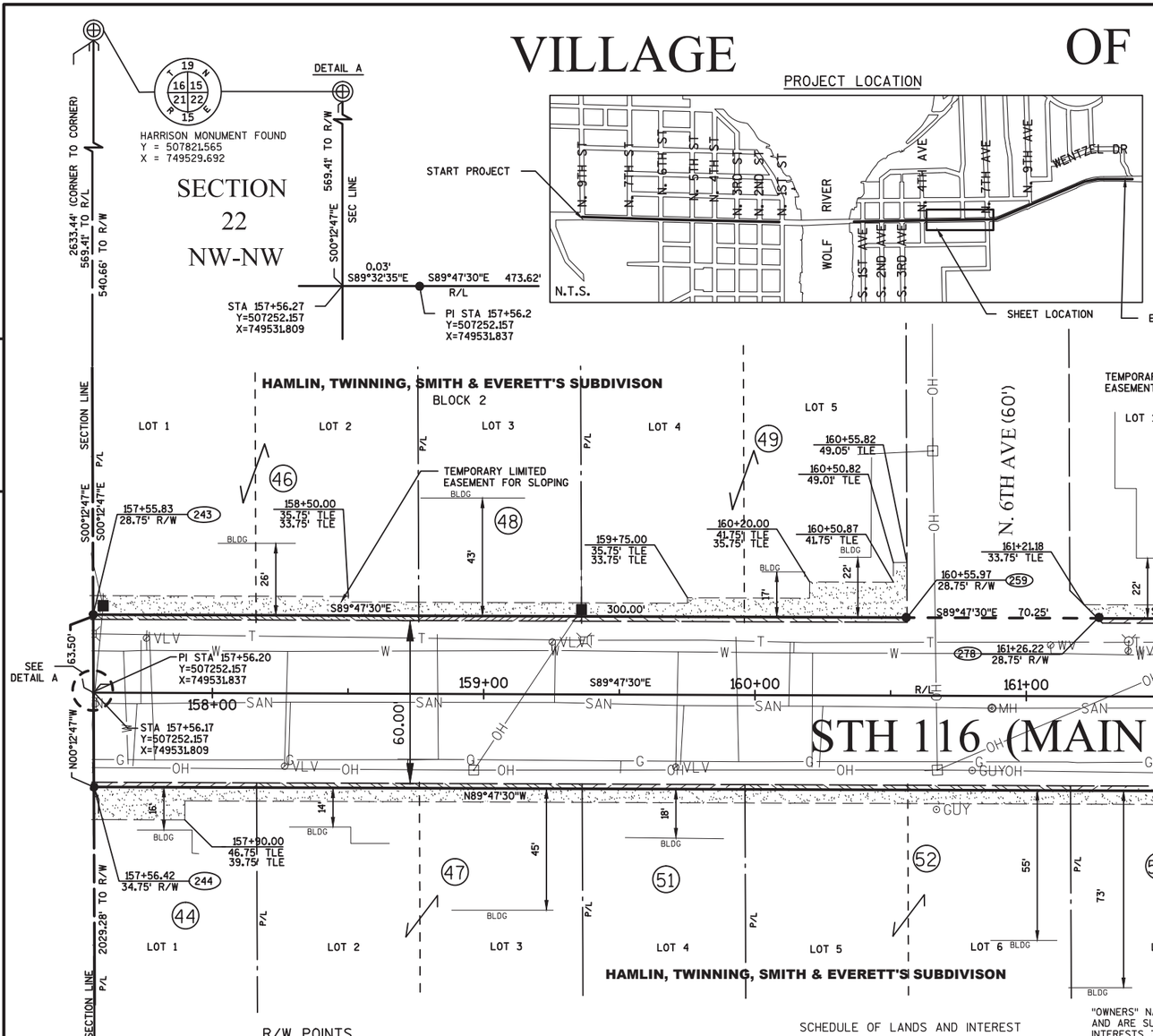
RECORDING FEE 25.00
PAGES: 1

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 6190-15-21 - 4.05
AMENDMENT NO: 1

GN

ROAD NAME	BASIS OF EXISTING R/W	YEAR
STH 116 N 6TH AVE N & S 7TH AVE	HAMLIN, TWINNING, SMITH & EVERETT'S SUBDIVISION	1859

REFER TO TITLE SHEET, RECORDED AS SHEET 2 OF 2 AS DOCUMENT NO. 1700277 FOR ADDITIONAL INFORMATION.



STH 116 (MAIN ST)

R/W POINTS

PT #	Y	X	
243	507280.909	749531.702	R/W
244	507217.406	749531.938	R/W
259	507279.817	749831.708	R/W
261	507286.494	750195.362	R/W
278	507279.562	749901.959	R/W
397	507279.186	750005.240	R/W
398	507281.696	750140.249	R/W
399	507281.513	750190.447	R/W
401	507211.977	750186.862	R/W
402	507212.198	750139.359	R/W
403	507215.362	750094.370	R/W

EXISTING MONUMENT TABLE			
PT NO.	STATION	OFFSET	MON
780	162+97.41	26.24' LT	1" IP

SCHEDULE OF LANDS AND INTEREST

"OWNERS" NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO TRANSFER OF LAND INTERESTS TO THE DEPARTMENT OF TRANSPORTATION

PARCEL NO.		INTEREST REQUIRED	AREA REQUIRED			
			NEW	EXISTING	TOTAL	TLE
44	PDK PROPERTIES, LLC	FEE TLE	105 SQ FT	---	105 SQ FT	534 SQ FT
46	SPARROW COMMUNITIES, LLC	FEE TLE	210 SQ FT	---	210 SQ FT	788 SQ FT
47	MARK E. TISELING	FEE TLE	210 SQ FT	---	210 SQ FT	600 SQ FT
48	ADAM J. WILSON & MEGAN C. SCHULTS	FEE TLE	105 SQ FT	---	105 SQ FT	300 SQ FT
49	MARTIN L. AUGSBURGER & JOANNE AUGSBURGER	FEE TLE	210 SQ FT	---	210 SQ FT	1029 SQ FT
51	MARGARET L. GLERKE, AS TRUSTEE OF THE MARGARET L. GIERKE REVOCABLE TRUST	FEE TLE	105 SQ FT	---	105 SQ FT	300 SQ FT
52	KATHRYN KELLY VENDEES INTEREST IN LAND CONTRACT, GLEN E. MICHELS & ARLENE MICHELS VENDORS	FEE TLE	210 SQ FT	---	210 SQ FT	600 SQ FT
53	ANDREW D. SCHLACK & ELLIE M. SCHLACK	FEE TLE	210 SQ FT	---	210 SQ FT	600 SQ FT
54	TIMOTHY O. MCGINNIS & CYNTHIA G. MCGINNIS	FEE TLE	138 SQ FT	---	138 SQ FT	411 SQ FT
55	TIMOTHY O. MCGINNIS & CYNTHIA G. MCGINNIS	FEE TLE	206 SQ FT	---	206 SQ FT	467 SQ FT
56	ALAN FISHER	FEE TLE	502 SQ FT	---	502 SQ FT	887 SQ FT
57	STEVEN G. HALE & FAYE A. HALE	FEE TLE	236 SQ FT	---	236 SQ FT	307 SQ FT
58	KATHERINE ZARTER & BRUCE ZARTER	FEE TLE	313 SQ FT	---	313 SQ FT	453 SQ FT

UTILITIES INTEREST REQUIRED

UTILITY NO.	OWNER(S)	INTEREST REQUIRED
302	ALLIANT ENERGY - ELECTRIC	RELEASE OF RIGHTS

0' 50' 100'

PT #	BEARING	DISTANCE
398-399	S89°47'30"E	50.20'
399-261	N44°37'24"E	7.00'
401-402	N89°43'59"W	47.50'
402-403	N85°58'40"W	45.10'

OMNNI ASSOCIATES
ONE SYSTEMS DRIVE
APPLETON, WI 54914-1654
PHONE (920) 735-6900
FAX (920) 830-6100

I, DAVID A. YURK 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 DEPARTMENT OF TRANSPORTATION, I HAVE MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

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

SIGNATURE: David A. Yurk DATE: 4/26/17

PRINT NAME: DAVID A. YURK

REGISTRATION NUMBER: S-2648

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

SIGNATURE: Curt VanErem DATE: 4/26/17

PRINT NAME: CURT VAN EREM

TRANSPORTATION PROJECT PLAT NO: 6190-15-21 - 4.05

THAT PART OF LOTS 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, UNNAMED BLOCK, LOTS 1, 2, 3, 4, 5, BLOCK 2, LOTS 1, 2, 3, 4, 5, BLOCK 3, HAMLIN, TWINNING, SMITH & EVERETT'S SUBDIVISION, LOCATED IN THE NORTHWEST QUARTER OF THE NORTHWEST QUARTER OF SECTION 22, T19N, R15E, VILLAGE OF WINNECONNE, WINNEBAGO COUNTY, WISCONSIN.

RELOCATION ORDER STH 116, WINNEBAGO COUNTY

WEST VILLAGE LIMITS - EAST VILLAGE LIMITS

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

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1706473

REGISTER'S OFFICE
WINNEBAGO COUNTY, WI
RECORDED ON
02/03/2016 10:36 AM

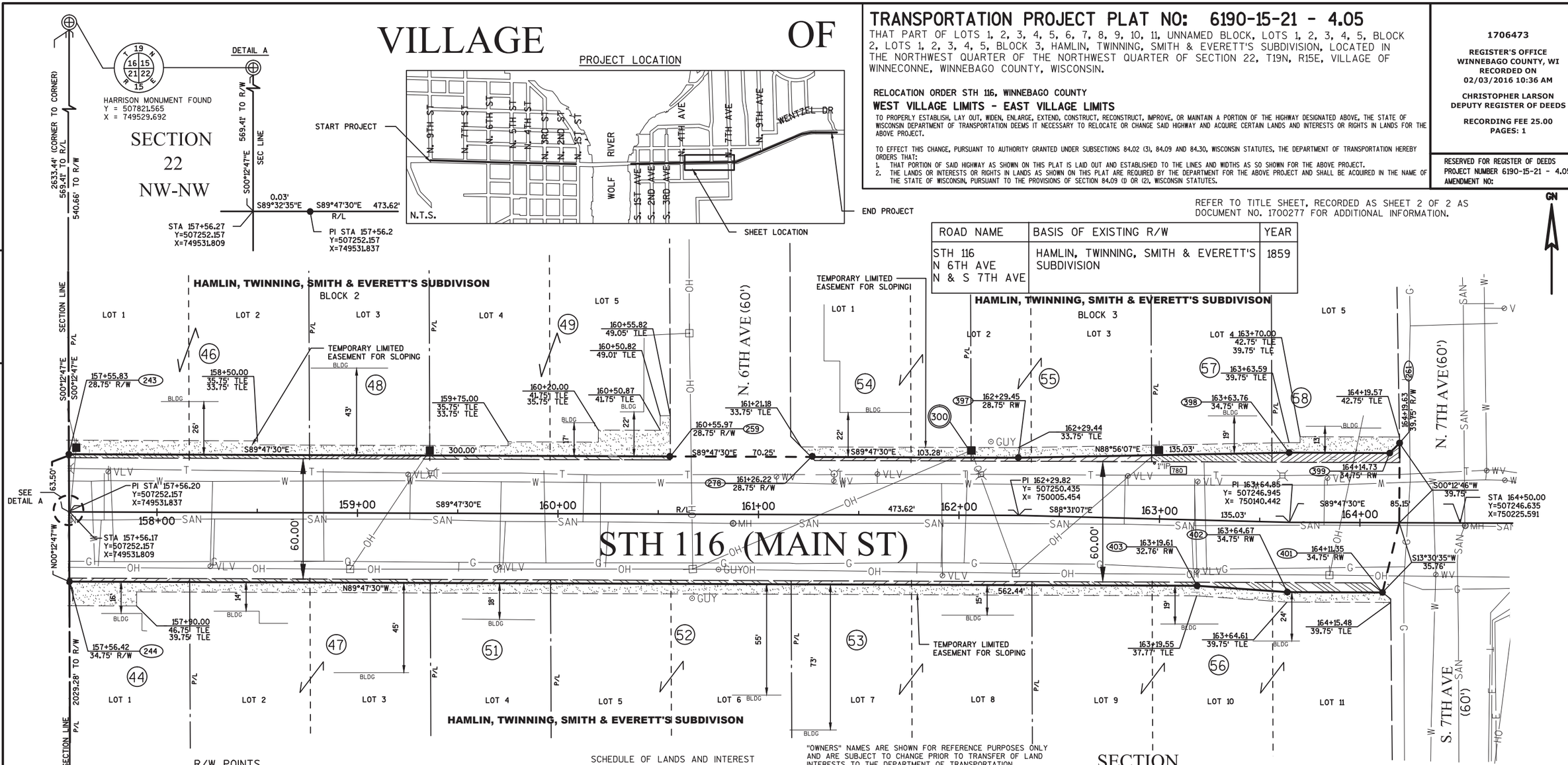
CHRISTOPHER LARSON
DEPUTY REGISTER OF DEEDS

RECORDING FEE 25.00
PAGES: 1

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 6190-15-21 - 4.05
AMENDMENT NO:

REFER TO TITLE SHEET, RECORDED AS SHEET 2 OF 2 AS DOCUMENT NO. 1700277 FOR ADDITIONAL INFORMATION.

ROAD NAME	BASIS OF EXISTING R/W	YEAR
STH 116 N 6TH AVE N & S 7TH AVE	HAMLIN, TWINNING, SMITH & EVERETT'S SUBDIVISION	1859



R/W POINTS

PT #	Y	X	
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244	507217.406	749531.938	R/W
259	507279.817	749831.708	R/W
261	507286.494	750195.362	R/W
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399	507281.513	750190.447	R/W
401	507211.977	750186.862	R/W
402	507212.198	750139.359	R/W
403	507215.362	750094.370	R/W

EXISTING MONUMENT TABLE			
PT NO.	STATION	OFFSET	MON
780	162+97.41	26.24' LT	1" IP

SCHEDULE OF LANDS AND INTEREST

"OWNERS" NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO TRANSFER OF LAND INTERESTS TO THE DEPARTMENT OF TRANSPORTATION

PARCEL NO.		INTEREST REQUIRED	AREA REQUIRED NEW	EXISTING	TOTAL	TLE
44	PDK PROPERTIES, LLC	FEE TLE	105 SQ FT	---	105 SQ FT	534 SQ FT
46	SPARROW COMMUNITIES, LLC	FEE TLE	210 SQ FT	---	210 SQ FT	788 SQ FT
47	MARK E. TISELING	FEE TLE	210 SQ FT	---	210 SQ FT	600 SQ FT
48	ADAM J. WILSON & MEGAN C. SCHULTS	FEE TLE	105 SQ FT	---	105 SQ FT	300 SQ FT
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51	MARGARET L. GLERKE, AS TRUSTEE OF THE MARGARET L. GIERKE REVOCABLE TRUST	FEE TLE	105 SQ FT	---	105 SQ FT	300 SQ FT
52	KATHRYN KELLY VENDEES INTEREST IN LAND CONTRACT, GLEN E. MICHELS & ARLENE MICHELS VENDORS	FEE TLE	210 SQ FT	---	210 SQ FT	600 SQ FT
53	ANDREW D. SCHLACK & ELLIE M. SCHLACK	FEE TLE	210 SQ FT	---	210 SQ FT	600 SQ FT
54	TIMOTHY O. MCGINNIS & CYNTHIA G. MCGINNIS	FEE TLE	138 SQ FT	---	138 SQ FT	411 SQ FT
55	TIMOTHY O. MCGINNIS & CYNTHIA G. MCGINNIS	FEE TLE	206 SQ FT	---	206 SQ FT	467 SQ FT
56	ALAN FISHER	FEE TLE	502 SQ FT	---	502 SQ FT	887 SQ FT
57	STEVEN G. HALE & FAYE A. HALE	FEE TLE	236 SQ FT	---	236 SQ FT	307 SQ FT
58	KATHERINE ZARTER & BRUCE ZARTER	FEE TLE	313 SQ FT	---	313 SQ FT	453 SQ FT

UTILITIES INTEREST REQUIRED

UTILITY NO.	OWNER(S)	INTEREST REQUIRED
300	AT&T WISCONSIN	RELEASE OF RIGHTS

PT #	BEARING	DISTANCE
398-399	S89°47'30"E	50.20'
399-261	N44°37'24"E	7.00'
401-402	N89°43'59"W	47.50'
402-403	N85°58'40"W	45.10'

0' 50' 100'

OMNNI ASSOCIATES
ONE SYSTEMS DRIVE
APPLETON, WI 54914-1654
PHONE (920) 735-6900
FAX (920) 830-6100

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SIGNATURE: David A. Yurk DATE: 1/25/16

PRINT NAME: DAVID A. YURK

REGISTRATION NUMBER: S-2648

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

SIGNATURE: Curt Van Erem DATE: 2-3-2016

PRINT NAME: CURT VAN EREM

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

FILE NAME : F:\TR\JOBS\E2073A13\CIVIL 3D 2014\SHEETSPLAN\71 SHEETS\61901571-040104-RP.DWG
PLOT DATE : 2/2/2016 10:29 AM PLOT BY : JARED STODDARD PLOT NAME : PLOT SCALE : **********
APPRAISAL PLAT DATE : ----------

TRANSPORTATION PROJECT PLAT NO: 6190-15-21 - 4.06

THAT PART OF LOTS 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, UNNAMED BLOCK, LOTS 6, 7, 8, 9, 10, BLOCK 4, LOTS 1, 2, 3, 4, BLOCK 5, VACATED JOHN STREET, HAMLIN, TWINNING, SMITH & EVERETT'S SUBDIVISION, LOCATED IN A PART OF THE NORTHWEST QUARTER OF THE NORTHWEST QUARTER OF SECTION 22, T19N, R15E, VILLAGE OF WINNECONNE, WINNEBAGO COUNTY, WISCONSIN.

RELOCATION ORDER STH 116, WINNEBAGO COUNTY

WEST VILLAGE LIMITS - EAST VILLAGE LIMITS

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

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1706474

REGISTER'S OFFICE
WINNEBAGO COUNTY, WI
RECORDED ON
02/03/2016 10:38 AM

CHRISTOPHER LARSON
DEPUTY REGISTER OF DEEDS

RECORDING FEE 25.00
PAGES: 1

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 6190-15-21 - 4.06
AMENDMENT NO:

SCHEDULE OF LANDS AND INTEREST

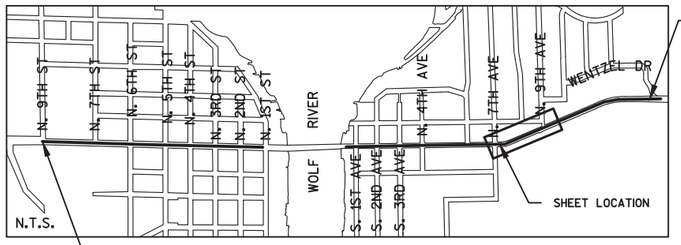
"OWNERS" NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO TRANSFER OF LAND INTERESTS TO THE DEPARTMENT OF TRANSPORTATION

PARCEL NO.		INTEREST REQUIRED	AREA REQUIRED			
			NEW	EXISTING	TOTAL	TLE
59	JEFFERY M. WEBER & JUDITH H. WEBER	FEE TLE	320 SQ FT	---	320 SQ FT	569 SQ FT
61	GALLERY HOMES REAL ESTATE RENTALS, LLC	FEE TLE	727 SQ FT	---	727 SQ FT	819 SQ FT
62	S. BENDER ENTERPRISES, LLC, A WISCONSIN LIABILITY COMPANY, SHIRLEY BENDER-GEHRT	FEE TLE	1759 SQ FT	---	1759 SQ FT	1905 SQ FT
63	THE CHARLES & JANICE LUYSTER REVOCABLE TRUST	FEE TLE	941 SQ FT	---	941 SQ FT	1510 SQ FT
64	JAMES J. MALEK & ANNA M. MALEK	FEE TLE	983 SQ FT	---	983 SQ FT	1444 SQ FT
66	GORDON F. WENTZEL & MARGUERITE B. WENTZEL REVOCABLE LIVING TRUST	FEE TLE	480 SQ FT	---	480 SQ FT	540 SQ FT

SCHEDULE OF SIGN STRUCTURES

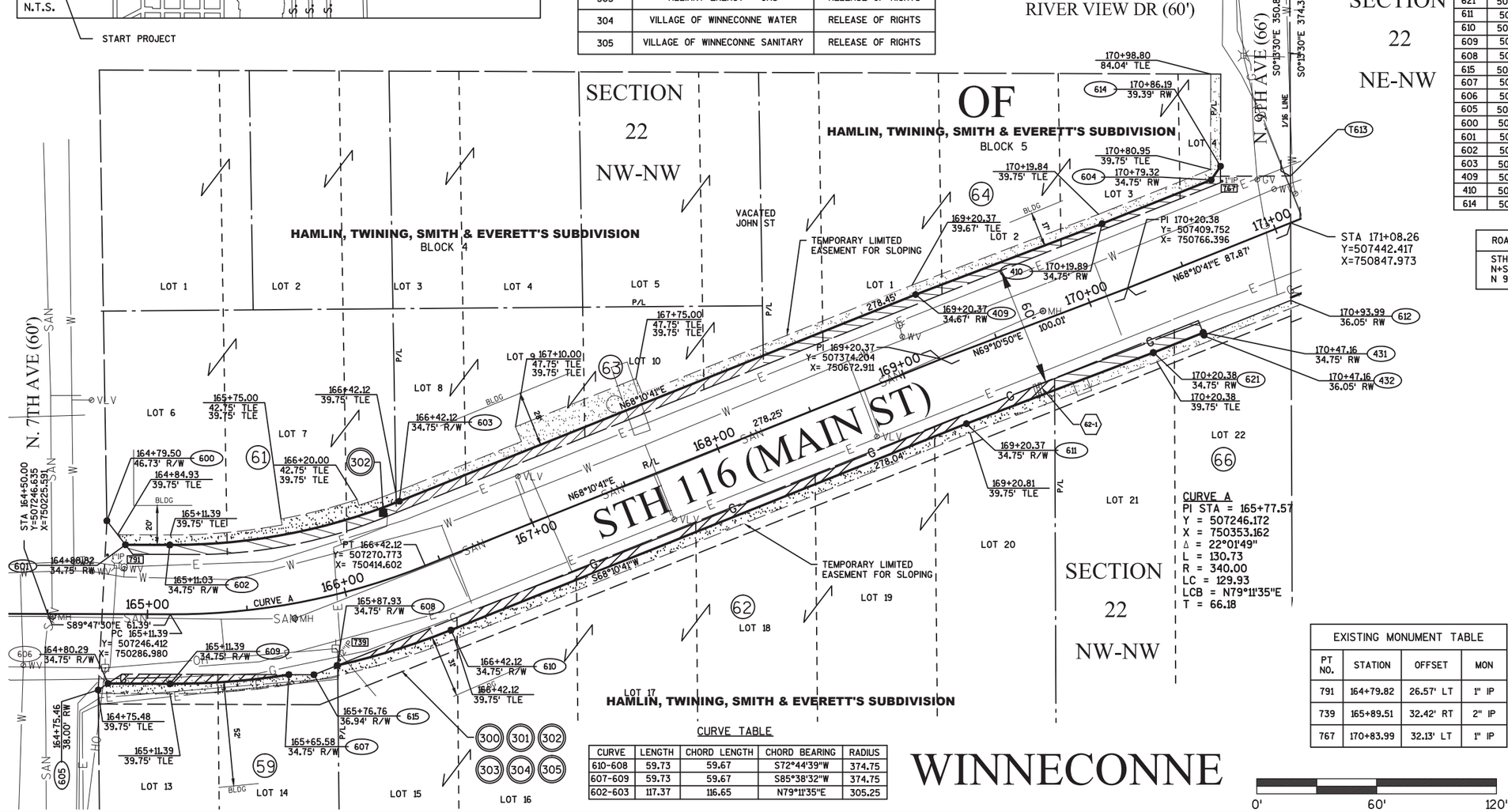
SIGN NO.	OWNER(S)	OASIS NO.
62-1	SHIRLEY BENDER-GEHRT, S. BENDER ENTERPRISES LLC. A WISCONSIN LIABILITY COMPANY	4251

PROJECT LOCATION



UTILITIES INTEREST REQUIRED

UTILITY NO.	OWNER(S)	INTEREST REQUIRED
300	AT&T WISCONSIN	RELEASE OF RIGHTS
301	CHARTER COMMUNICATIONS	RELEASE OF RIGHTS
302	ALLIANT ENERGY - ELECTRIC	RELEASE OF RIGHTS
303	ALLIANT ENERGY - GAS	RELEASE OF RIGHTS
304	VILLAGE OF WINNECONNE WATER	RELEASE OF RIGHTS
305	VILLAGE OF WINNECONNE SANITARY	RELEASE OF RIGHTS



REFER TO TITLE SHEET, RECORDED AS SHEET 2 OF 2 AS DOCUMENT NO. 1700277 FOR ADDITIONAL INFORMATION.

R/W POINTS

PT #	Y	X	
431	507387.444	750804.168	R/W
432	507386.238	750804.651	R/W
612	507403.645	750848.123	R/W
T613	507465.902	750847.881	R/W
621	507377.450	750799.210	R/W
611	507341.868	750685.637	R/W
610	507238.513	750427.520	R/W
609	507211.663	750286.854	R/W
608	507220.814	750370.539	R/W
615	5072161.151	750358.894	R/W
607	507216.197	750346.350	R/W
606	507211.776	750255.754	R/W
605	507208.544	750250.911	R/W
600	507293.259	750255.257	R/W
601	507281.244	750264.537	R/W
602	507281.164	750286.747	R/W
603	507303.034	750401.685	R/W
409	507406.541	750660.185	R/W
410	507442.054	750753.582	R/W
614	507470.781	750812.850	R/W

LINE TABLE

FROM-TO	BEARING	DISTANCE
T613-612	S0°13'30"E	62.26'
612-432	S68°10'41"W	46.83'
432-431	N21°49'19"W	1.30'
431-621	S68°10'41"W	26.88'
621-611	S69°10'50"W	100.11'
608-615	S68°10'41"W	12.54'
615-607	N89°47'30"W	12.54'
609-606	N89°47'30"W	31.10'
606-605	S56°16'57"W	5.82'
605-600	N02°56'12"E	84.83'
600-601	S37°40'46"E	15.18'
601-602	S89°47'30"E	22.21'
409-410	N69°10'50"E	99.92'
410-604	N68°10'41"E	58.83'
604-614	N34°09'21"E	8.29'
614-T613	S82°21'06"E	35.34'

ROAD NAME	BASIS OF EXISTING R/W	YEAR
STH 116 N+S 7TH AVE N 9TH AVE	HAMLIN, TWINNING, SMITH & EVERETT'S SUBDIVISION	1859

UTILITY EASEMENT TABLE

UTILITY NO.	UTILITY OWNER	PARCEL NO.
300 301 302 303 304 305	15' EASEMENT ALLIANT ENERGY ELECTRICAL & GAS, AT&T, CHARTER COMMUNICATIONS, VILLAGE OF WINNECONNE WATER & SANITARY, DOC NO. 1262586	59
300 301 302 303 304 305	15' EASEMENT ALLIANT ENERGY ELECTRICAL & GAS, AT&T, CHARTER COMMUNICATIONS, VILLAGE OF WINNECONNE WATER & SANITARY, DOC NO. 1273705 DOC NO. 1272722 DOC NO. 1272723	62
300 301 302 303 304 305	15' EASEMENT ALLIANT ENERGY ELECTRICAL & GAS, AT&T, CHARTER COMMUNICATIONS, VILLAGE OF WINNECONNE WATER & SANITARY, DOC. NO 126955	66

CURVE TABLE

CURVE	LENGTH	CHORD LENGTH	CHORD BEARING	RADIUS
610-608	59.73	59.67	S72°44'39"W	374.75
607-609	59.73	59.67	S85°38'32"W	374.75
602-603	117.37	116.65	N79°11'35"E	305.25

EXISTING MONUMENT TABLE

PT NO.	STATION	OFFSET	MON
791	164+79.82	26.57' LT	1" IP
739	165+89.51	32.42' RT	2" IP
767	170+83.99	32.13' LT	1" IP

OMNNI ASSOCIATES
ONE SYSTEMS DRIVE
APPLETON, WI 54914-1654
PHONE (920) 735-6900
FAX (920) 830-6100

I, DAVID A. YURK 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 DEPARTMENT OF TRANSPORTATION, I HAVE MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

SIGNATURE: David A. Yurk DATE: 1/25/16

PRINT NAME: DAVID A. YURK

REGISTRATION NUMBER: S-2648

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

SIGNATURE: Curt Van Erem DATE: 2-3-2016

PRINT NAME: CURT VAN EREM

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

TRANSPORTATION PROJECT PLAT NO: 6190-15-21 - 4.07

THAT PART OF LOTS 1,2,3, CSM 3007 LOCATED IN AND INCLUDING PART OF THE NORTHEAST QUARTER OF THE NORTHWEST QUARTER OF SECTION 22 AND PART OF LOT 3, CSM 3007 LOCATED IN THE SOUTHEAST QUARTER OF THE SOUTHWEST QUARTER OF SECTION 15, ALL IN T19N, R15E, VILLAGE OF WINNECONNE, WINNEBAGO COUNTY, WISCONSIN.

RELOCATION ORDER STH 116, WINNEBAGO COUNTY

WEST VILLAGE LIMITS - EAST VILLAGE LIMITS

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

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SUBSECTIONS 84.02 (3), 84.09 AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:

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

1706475

REGISTER'S OFFICE
WINNEBAGO COUNTY, WI
RECORDED ON
02/03/2016 12:11 PM

CHRISTOPHER LARSON
DEPUTY REGISTER OF DEEDS

RECORDING FEE 25.00
PAGES: 1

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 6190-15-21 - 4.07
AMENDMENT NO:

SCHEDULE OF LANDS AND INTEREST

"OWNERS" NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO TRANSFER OF LAND INTERESTS TO THE DEPARTMENT OF TRANSPORTATION

PARCEL NO.		INTEREST REQUIRED	AREA REQUIRED NEW	EXISTING	TOTAL	TLE	PLE
66	GORDON F. WENTZEL & MARGUERITE B. WENTZEL REVOCABLE LIVING TRUST	FEE TLE	2644 SQ FT	---	2644 SQ FT	4177 SQ FT	---
67	RYAN GONZALEZ D.D.S. REAL ESTATE HOLDINGS, LLC	TLE	---	---	---	378 SQ FT	---
68	K & J ANGELL PROPERTIES, LLC	TLE	---	---	---	1445 SQ FT	---
69	JOHN A. RODGERS & LYNN A. RODGERS	TLE PLE	---	---	---	1200 SQ FT	150 SQ FT
71	MACKINAC LAND COMPANY, LLC OF A WISCONSIN LIMITED LIABILITY COMPANY	FEE TLE	24 SQ FT	---	24 SQ FT	1351 SQ FT	---
72	BMK REAL ESTATE HOLDINGS, LLC	FEE TLE	698 SQ FT	---	698 SQ FT	1069 SQ FT	---

Line Table

FROM-TO	Direction	Length
T712-T713	S21°49'19"E	27.69'
T714-T305	S16°00'25"E	32.48'
T305-T715	S00°13'02"E	2.35'
T719-700	N89°46'30"E	31.34'
700-701	S55°50'39"E	39.17'
P704-P705	N21°49'19"W	15.00'
P705-P706	N68°10'41"E	10.00'
P706-P707	S21°49'19"E	15.00'
P707-P704	S68°10'41"W	10.00'
708-702	N68°10'41"E	9.76'
T709-T712	S21°49'19"E	7.18'

R/W POINTS

PT #	Y	X	
T712	507813.653	751706.572	COGO
T713	507787.951	751716.863	COGO
T714	507794.660	751740.225	COGO
T305	507763.439	751749.182	R/W
T715	507761.086	751749.191	R/W
703	507737.828	751679.218	R/W
718	507405.043	750848.120	R/W
T719	507527.109	750847.640	COGO
700	507527.233	750878.982	R/W
701	507505.243	75091.392	R/W
P704	507697.119	751390.583	PLE
P705	507711.044	751385.007	PLE
P706	507714.761	751394.291	PLE
P707	507700.836	751399.866	PLE
702	507802.348	751653.383	R/W
708	507798.721	751644.325	R/W
T709	507820.316	751703.904	R/W

Curve Table

CURVE	LENGTH	CHORD LENGTH	CHORD BEARING	RADIUS
T713-T714	24.31	24.31	N73°58'39"E	650.00
T715-703	73.78	73.74	S71°36'49"W	615.25
702-T709	53.63	53.62	N70°25'19"E	684.75

ROAD NAME	BASIS OF EXISTING R/W	YEAR
STH 116 N 9TH AVE	WINNEBAGO COUNTY CSM NO 3007 HAMLIN, TWINNING, SMITH + EVERETT'S SUBDIVISION	1994 1859

ACCESS CONTROL NOTE:
EXISTING ACCESS CONTROL ALONG STH 116 (MAIN ST) ESTABLISHED FROM DOCUMENT NO. 1001489.

EXISTING MONUMENT TABLE

PT NO.	STATION	OFFSET	MON
766	172+63.39	34.89' LT	1" IP
765	175+53.38	M	1" IP
764	180+40.58	33.95' LT	1" IP

VILLAGE OF WINNECONNE

SECTION 22 NE-NW

SECTION 15 SE-SW

REFER TO TITLE SHEET, RECORDED AS SHEET 2 OF 2 AS DOCUMENT NO. 1700277 FOR ADDITIONAL INFORMATION.

HARRISON MONUMENT FOUND
Y = 507821.565
X = 749529.692

S89°47'30"E 2633.64' (CORNER TO CORNER)
2154.23' (CORNER TO R/W)

SECTION LINE

LOT 3 CSM 3007

LOT 2 CSM 3007

LOT 1 CSM 3007

35' INGRESS EGRESS EASEMENT DOC. NO. 1193021

PLE FOR DRAINAGE FACILITY

10' LIMITED HIGHWAY EASEMENTS CSM NO. 3007

60' INGRESS EGRESS EASEMENTS CSM NO. 3007

INGRESS EGRESS EASEMENTS DOC NO. 990620

INGRESS EGRESS EASEMENTS DOC NO. 5070058 5070059

CROSS ACCESS AGREEMENT DOC NO. 1016052

TEMPORARY LIMITED EASEMENT FOR SLOPING

N. 9TH AVE (66')

STH 116 (MAIN ST)

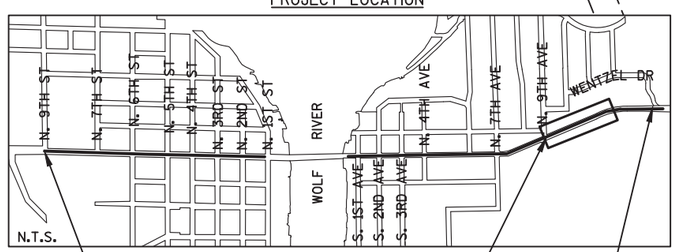
1/16 LINE

708 179+79.99 34.75' RW
180+39.17 39.75' TLE
180+40.66 34.75' R/W (T709)
764 T712
N89°47'30"W 456.74'
T713 T714
702 179+89.75 34.75' RW
180+00 CURVE B
T305
PC 179+89.75 Y= 507770.088 X= 751666.301
180+66.29 39.75' TLE
T715 180+67.70 34.75' RW
703 179+89.75 34.75' RW
177+16.66 49.75' PLE 39.75' TLE 34.75' PLE (P706)
177+06.66 49.75' PLE 39.75' TLE 34.75' PLE (P705)
789.51'
881.49'
515.18'
895.25'
178+48.01 39.75' TLE
179+00
178+00
177+00
176+00
175+00
174+00
173+00
172+00
171+87.11 39.75' TLE
171+90.49 34.75' RW (701)
171+08.26 Y=507442.417 X=750847.973
171+68.57 67.21' RW (700)
170+94.50 34.75' RW (718)
174+70.00 44.75' TLE 39.75' TLE
174+20.00 44.75' TLE 39.75' TLE
173+35.63 44.75' TLE 39.75' TLE
173+05.62 44.75' TLE 39.75' TLE
S68°10'41"W
N68°10'41"E
N00°13'30"W
122.07'
BLDG
MH
WV
GV
SAN
P/L
(66) (67) (68) (69) (71) (72)
300 301 302 303 304 305

COMPUTED
Y = 507811.993
X = 752163.313

CURVE B
PI STA = 181+18.97
Y = 507818.122
X = 751786.261
Δ = 22°29'15"
L = 255.11
R = 650.00
LC = 253.48
LCB = N79°25'18.5"E
T = 129.22
PT= 182+44.86

PROJECT LOCATION



UTILITIES INTEREST REQUIRED

UTILITY NO.	OWNER(S)	INTEREST REQUIRED
300	AT&T WISCONSIN	RELEASE OF RIGHTS
301	CHARTER COMMUNICATIONS	RELEASE OF RIGHTS
302	ALLIANT ENERGY - ELECTRIC	RELEASE OF RIGHTS
303	ALLIANT ENERGY - GAS	RELEASE OF RIGHTS
304	VILLAGE OF WINNECONNE WATER	RELEASE OF RIGHTS
305	VILLAGE OF WINNECONNE SANITARY	RELEASE OF RIGHTS

UTILITY EASEMENT TABLE

UTILITY NO.	UTILITY OWNER	PARCEL NO.
300, 301 302, 303 304, 305	10'&15" EASEMENT ALLIANT ENERGY ELECTRICAL & GAS, AT&T, CHARTER COMMUNICATIONS, VILLAGE OF WINNECONNE WATER & SANITARY, DOC NO. 126995	66
300, 301 302, 303 304, 305	7.5'&15' EASEMENT ALLIANT ENERGY ELECTRICAL & GAS, AT&T, CHARTER COMMUNICATIONS, VILLAGE OF WINNECONNE WATER & SANITARY, DOC. NO 1267900	68
300, 301 302, 303 304, 305	9'&15' EASEMENT ALLIANT ENERGY ELECTRICAL & GAS, AT&T, CHARTER COMMUNICATIONS, VILLAGE OF WINNECONNE WATER & SANITARY, DOC. NO 1267899	69
300, 301 302, 303 304, 305	12'&15' EASEMENT ALLIANT ENERGY ELECTRICAL & GAS, AT&T, CHARTER COMMUNICATIONS, VILLAGE OF WINNECONNE WATER & SANITARY, DOC. NO 1269952	71
300, 301 302, 303 304, 305	12'&15' EASEMENT ALLIANT ENERGY ELECTRICAL & GAS, AT&T, CHARTER COMMUNICATIONS, VILLAGE OF WINNECONNE WATER & SANITARY, DOC. NO 1264930	72

OMNNI ASSOCIATES
ONE SYSTEMS DRIVE
APPLETON, WI 54914-1654
PHONE (920) 735-6900
FAX (920) 830-6100

I, DAVID A. YURK 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 DEPARTMENT OF TRANSPORTATION, I HAVE MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

SIGNATURE: David A. Yurk DATE: 1/25/16
PRINT NAME: DAVID A. YURK
REGISTRATION NUMBER: S-2648

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

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

SIGNATURE: Curt Van Erem DATE: 2-3-2016
PRINT NAME: CURT VAN EREM

FILE NAME : F:\TR\JOBS\E2073A13\CIVIL 3D 2014\SHEETSPLAN\71 SHEETS\61901571-040104-RP.DWG
APPRAISAL PLAT DATE : ----------
PLOT DATE : 2/2/2016 1:04 PM PLOT BY : DAVE A. YURK PLOT NAME : PLOT SCALE : **********

TRANSPORTATION PROJECT PLAT NO: 6190-15-21 - 4.08

THAT PART OF LOTS 1 & 2, CSM 3950, LOCATED IN THE SOUTHEAST QUARTER OF THE SOUTHWEST QUARTER, LOT 2, CSM 6039, LOT 2, CSM 6715, LOCATED IN THE SOUTHWEST QUARTER OF THE SOUTHEAST QUARTER, SECTION 15, ALL IN T19N, R15E, VILLAGE OF WINNECONNE AND BEING A PART OF THE NORTHWEST QUARTER OF THE NORTHEAST QUARTER, SECTION 22, T19N, R15E, TOWN OF WINNECONNE, WINNEBAGO COUNTY, WISCONSIN.

RELOCATION ORDER STH 116, WINNEBAGO COUNTY
WEST VILLAGE LIMITS - EAST VILLAGE LIMITS

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

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SUBSECTIONS 84.02 (3), 84.09 AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:

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

1706477
REGISTER'S OFFICE
WINNEBAGO COUNTY, WI
RECORDED ON
02/03/2016 12:13 PM
CHRISTOPHER LARSON
DEPUTY REGISTER OF DEEDS
RECORDING FEE 25.00
PAGES: 1

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 6190-15-21 - 4.08
AMENDMENT NO:

REFER TO TITLE SHEET, RECORDED AS SHEET 2 OF 2 AS DOCUMENT NO. 1700277 FOR ADDITIONAL INFORMATION.

SCHEDULE OF LANDS AND INTEREST

"OWNERS" NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO TRANSFER OF LAND INTERESTS TO THE DEPARTMENT OF TRANSPORTATION

PARCEL NO.		INTEREST REQUIRED	AREA REQUIRED NEW	EXISTING	TOTAL	TLE	PLE
73	MERCY MEDICAL CENTER OF OSHKOSH, INC	FEE & TLE	427 SQ FT	---	427 SQ FT	1005 SQ FT	---
74	GREENVILLE ENTERPRISES, LLC	FEE & TLE & PLE	776 SQ FT	---	776 SQ FT	1715 SQ FT	100 SQ FT
76	CHARLOTTE M. UNSER	TLE	---	---	---	825 SQ FT	---
77	OAK LAWN REALITY, LLC	TLE	---	---	---	797 SQ FT	---
78	ENJG, LTD	TLE	---	---	---	393 SQ FT	---

CURVE TABLE				
CURVE	LENGTH	CHORD LENGTH	CHORD BEARING	RADIUS
T709-815	215.12	214.23	N81°39'57"E	684.75
P812-T813	47.02	74.01	S72°58'36"W	650.00

ROAD NAME	BASIS OF EXISTING R/W	YEAR
STH 116	WISDOT PROJECT *6190-03-21 WINNEBAGO COUNTY CSM *955, 1600, 3950, 6039, 6715	1983 1981, 1986, 1998, 2006, 2013
N 13TH AVE	WINNEBAGO COUNTY CSM *5786	2005

HARRISON MONUMENT FOUND
Y = 510450.901
X = 752124.602

2639.19' (CORNER TO CORNER)

VILLAGE OF

N. 13TH AVE (WIDTH VARIES)

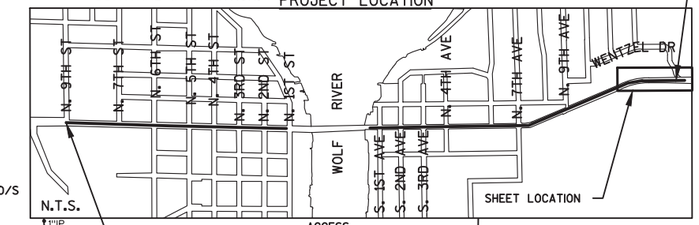
S00°50'26"E 2637.44' TO R/L

1/4 LINE S00°50'26"E

SECTION 15 SW-SE

COMPUTED
Y = 507811.993
X = 752163.313
STATION 184+91.61 O/S
1.75' RIGHT

PROJECT LOCATION



END PROJECT

P.K. NAIL W/WASHER
Y=507776.782
X=754756.812

START PROJECT

ACCESS COVENANT DOC. NO. 888601

CROSS ACCESS AGREEMENT DOC. NO. 1046971

ACCESS CONTROL

PLE FOR DRAINAGE FACILITY

LOT 1 CSM 3950 VOL 1, PG 3950, DOC NO. 1003524

LOT 2 CSM 3950 VOL 1, PG 3950 DOC. NO. 1003524

LOT 2 CSM 6039 VOL 1, PG 6039, DOC. NO. 1424339

LOT 2 CSM 6715 VOL 1, PG 6715 DOC. NO. 1634567

ACCESS CONTROL LOT 1 CSM 283

SECTION 15 SE-SW

SECTION LINE

STH 116

CURVE B
PI STA = 181+18.97
Y = 507818.122
X = 751786.261
Δ = 22°29'15"
L = 255.11
R = 650.00
LC = 253.48
LCB = N79°25'18.5"E
T = 129.22
PC= 179+89.75

PT 182+44.86
Y= 507816.621
X= 751915.471

PI 187+01.13
Y= 507811.321
X= 752371.705

STA 180+42.26
Y=507787.951
X=751716.863

STA 188+51.13
Y= 507808.870
X= 752521.685

HARRISON MONUMENT FOUND
Y = 507821.565
X = 749529.692

LOT 3 CSM 955

LOT 2 CSM 955 VOL 1, PG 955 DOC NO. 5694203

LOT 1 CSM 1600

NOTICE OF CONTAMINATION DOC. NO. 1185426

SECTION 22 NE-NW

SECTION 22 NW-NE

1/4 LINE S00°07'38"W 2639.02 (CORNER TO CORNER)

COMPUTED
Y = 505172.980
X = 752157.458

TOWN OF WINNECONNE

0' 60' 120'

EXISTING MONUMENT TABLE			
PT NO.	STATION	OFFSET	MON
764	180+40.58	33.95' LT	1" IP
729	183+62.69	34.95' RT	RR SPK
763	184+57.03	31.25' LT	1" IP
726	184+93.05	34.75' RT	1" IP
756	186+01.53	83.06' LT	1" IP
757	186+32.29	37.71' LT	1" IP
758	187+73.06	37.99' LT	1" IP

Line Table

FROM-TO	Direction	Length
T712-T709	N21°49'19"W	7.18
T713-T709	N21°49'19"W	34.87
P803-P804	S02°18'57"E	10.00
P804-P805	S87°40593"W	10.00
P805-P806	N02°18'57"W	10.00
815-P816	S89°20'04"E	5.29
P816-P817	N0°39'56"E	10.00
P817-P818	S89°20'04"E	10.00
P818-P819	S0°39'56"W	10.00
P819-P816	N89°20'04"W	10.00

UTILITIES INTEREST REQUIRED		
UTILITY NO.	OWNER(S)	INTEREST REQUIRED
300	AT&T WISCONSIN	RELEASE OF RIGHTS
301	CHARTER COMMUNICATIONS	RELEASE OF RIGHTS
302	ALLIANT ENERGY - ELECTRIC	RELEASE OF RIGHTS
303	ALLIANT ENERGY - GAS	RELEASE OF RIGHTS
304	VILLAGE OF WINNECONNE WATER	RELEASE OF RIGHTS
305	VILLAGE OF WINNECONNE SANITARY	RELEASE OF RIGHTS
306	AMERICAN TRANSMISSION COMPANY, LLC	RELEASE OF RIGHTS

R/W POINTS

PT #	Y	X	
800	507778.990	752163.240	R/W
801	507781.873	751915.068	R/W
P803	507781.594	751888.055	PLE
P804	507771.602	751888.459	PLE
P805	507771.198	751878.468	PLE
P806	507781.190	751878.063	PLE
T715	507761.086	751749.191	R/W
T305	507763.439	751749.181	R/W
T709	507820.316	751703.904	R/W
815	507851.369	751915.875	R/W
P816	507851.307	751921.168	PLE
P817	507861.306	751921.284	PLE
P818	507861.190	751931.283	PLE
P819	507851.191	751931.167	PLE
820	507848.902	752128.214	R/W

UTILITY EASEMENT TABLE		
UTILITY NO.	UTILITY OWNER	PARCEL NO.
300, 301 302, 303 304, 305	12'&15' EASEMENT ALLIANT ENERGY ELECTRIC & GAS, AT&T, CHARTER COMMUNICATIONS, VILLAGE OF WINNECONNE WATER & SANITARY, DOC. NO 1269954	73
300, 301 302, 303	15' EASEMENT ALLIANT ENERGY ELECTRICAL & GAS, AT&T, CHARTER COMMUNICATIONS, DOC. NO 1260508	74
300, 301 302, 303 304, 305	15' EASEMENT ALLIANT ENERGY ELECTRICAL & GAS, AT&T, CHARTER COMMUNICATIONS, VILLAGE OF WINNECONNE WATER & SANITARY, DOD. NO. 1264928	76
306	40' EASEMENT AMERICAN TRANSMISSION COMPANY, LLC DOC. NO. 1115351, ASSIGNMENT FROM ALLIANT ENERGY VOL 1209, PG 91-92, DOC. NO. 371467	76
306	150' AMERICAN TRANSMISSION COMPANY LLC, EASEMENT, DOC. NO. 1115348, ASSIGNMENT FROM ALLIANT ENERGY, VOL 1267, PG 122, DOC. NO. 393610	74

ACCESS CONTROL NOTE:
EXISTING ACCESS CONTROL ALONG STH 116 (MAIN ST) ESTABLISHED FROM PREVIOUS PROJECT 6190-03-21, DOCUMENT NO. 1225979 AND CSM NO. 6039, RECORDED IN VOLUME 1, PAGE 6039, DOC. NO. 1046971.

OMNNI ASSOCIATES
ONE SYSTEMS DRIVE
APPLETON, WI 54914-1654
PHONE (920) 735-6900
FAX (920) 830-6100

I, DAVID A. YURK 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 DEPARTMENT OF TRANSPORTATION, I HAVE MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

SIGNATURE: David A. Yurk DATE: 1/25/16
PRINT NAME: DAVID A. YURK
REGISTRATION NUMBER: S-2648

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

SIGNATURE: Curt Van Erem DATE: 2-3-2016
PRINT NAME: CURT VAN EREM

TRANSPORTATION PROJECT PLAT NO: 6190-15-21 - 4.09 AMENDMENT NO. 1

REMOVE UTILITY NUMBER 304 & 305 FROM PARCEL 83 FROM TRANSPORTATION PROJECT PLAT NO: 6190-15-21-4.09 RECORDED AS DOCUMENT NO. 1707174

THAT PART OF LOTS 2 & 3, CSM 955, LOT 1, CSM 1600, LOCATED IN AND INCLUDING THE NORTHEAST QUARTER OF THE NORTHWEST QUARTER, SECTION 22, T19N, R15E, VILLAGE OF WINNECONNE, WINNEBAGO COUNTY, WISCONSIN.

RELOCATION ORDER STH 116, WINNEBAGO COUNTY

WEST VILLAGE LIMITS - EAST VILLAGE LIMITS

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

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3), 84.09, AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:

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

GN

SCALE, FEET

0 40 80

REFER TO TITLE SHEET, RECORDED AS SHEET 2 OF 2 AS DOCUMENT NO. 1700277 FOR ADDITIONAL INFORMATION

1738171

REGISTER'S OFFICE
WINNEBAGO COUNTY, WI
RECORDED ON
04/27/2017 9:26 AM

NATALIE STROHMEYER
REGISTER OF DEEDS

RECORDING FEE 25.00
PAGES: 1

187

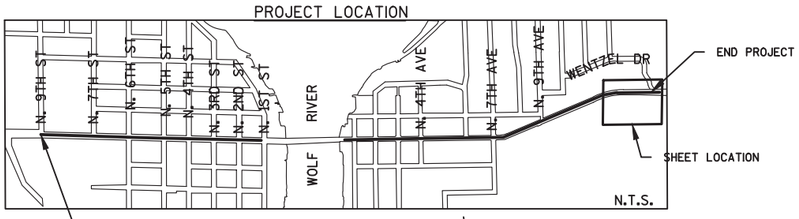
RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 6190-15-21 - 4.09
AMENDMENT NO: 1

SCHEDULE OF LANDS AND INTEREST

"OWNERS" NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO TRANSFER OF LAND INTERESTS TO THE DEPARTMENT OF TRANSPORTATION

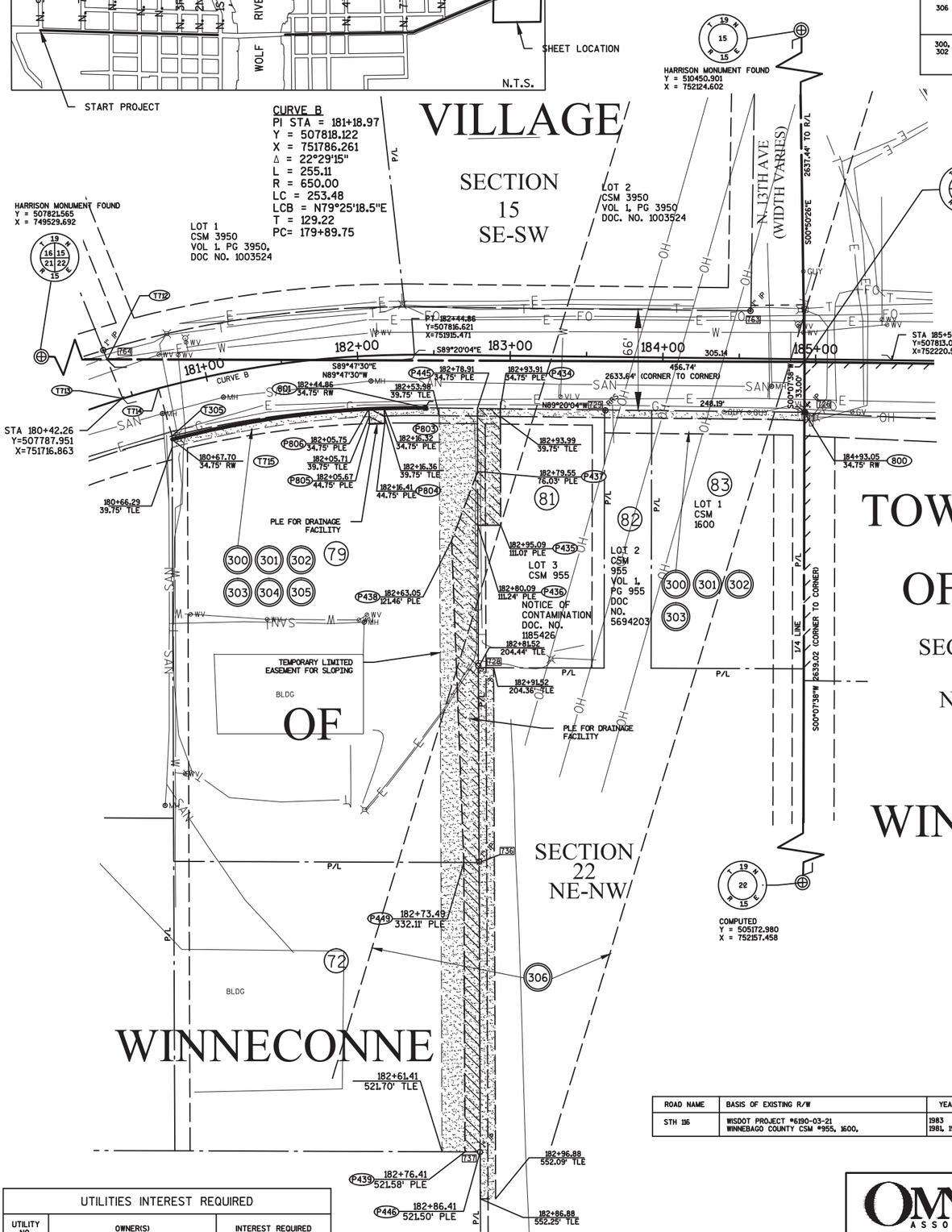
PARCEL NO.		INTEREST REQUIRED	AREA REQUIRED NEW	EXISTING	TOTAL	TLE	PLE
72	BMK REAL ESTATE HOLDINGS, LLC	TLE PLE	---	---	---	2842 SQ FT	1896 SQ FT
79	ZRH	FEE & TLE & PLE	183 SQ FT	---	183 SQ FT	5119 SQ FT	3354 SQ FT
81	ULTIMATE PROPERTIES, LLC	TLE PLE	---	---	---	417 SQ FT	1146 SQ FT
82	JLAR HOLDINGS, LLC	TLE	---	---	---	3632 SQ FT	---
83	OSHKOSH SAVINGS & LOAN ASSOCIATION A WISCONSIN CORPORATION A.K.A. ANCHOR BANK, SSB	TLE	---	---	---	503 SQ FT	---

PROJECT LOCATION



UTILITY EASEMENT TABLE

UTILITY NO.	UTILITY OWNER	PARCEL NO.
300, 301 302, 303 304, 305	15' EASEMENT ALLIANT ENERGY ELECTRICAL & GAS, AT&T, CHARTER COMMUNICATIONS, VILLAGE OF WINNECONNE WATER & SANITARY, DOC NO. 1275249	79
300, 301 302, 303 304, 305	10' EASEMENT ALLIANT ENERGY ELECTRICAL & GAS, AT&T, CHARTER COMMUNICATIONS, VILLAGE OF WINNECONNE WATER & SANITARY, DOC. NO 1275249	81
300, 301 302, 303 304, 305	15' EASEMENT ALLIANT ENERGY ELECTRICAL & GAS, AT&T, CHARTER COMMUNICATIONS, VILLAGE OF WINNECONNE WATER & SANITARY, DOC. NO 1272720	82
300, 301 302, 303	7.5'&15' EASEMENT ALLIANT ENERGY ELECTRICAL & GAS, AT&T, CHARTER COMMUNICATIONS, DOC. NO. 1245584	83
306	40' EASEMENT AMERICAN TRANSMISSION COMPANY, LLC DOC. NO. 1185345, ASSIGNMENT FROM ALLIANT ENERGY VOL 1209, PG 91-92, DOC. NO. 371467	83
306	150' AMERICAN TRANSMISSION COMPANY LLC, EASEMENT, DOC. NO. 1185348, ASSIGNMENT FROM ALLIANT ENERGY, VOL 1267, PG 122, DOC. NO. 393610	72, 79 81, 82, 83
300, 302	3.10+15' EASEMENT AT&T WISCONSIN, ALLIANT ENERGIES, DOC. NO. 1209247	79 81



EXISTING MONUMENT TABLE

PT NO.	STATION	OFFSET	MON
764	180+40.58	33.95' LT	1" IP
729	183+62.69	34.95' RT	RR SPK
763	184+57.03	31.25' LT	1" IP
726	184+93.05	34.75' RT	1" IP
728	182+81.65	203.32' RT	2" IP
736	182+83.35	332.05' RT	1" IP
737	182+86.31	521.63' RT	1" IP

R/W POINTS

PT #	Y	X	
800	507778.990	752163.240	R/W
801	507781.873	751915.068	R/W
P803	507781.594	751888.055	PLE
P804	507771.602	751888.459	PLE
P805	507771.198	751878.468	PLE
P806	507781.190	751878.063	PLE
T715	507761.086	751749.191	R/W
T305	507763.439	751749.181	R/W
T709	507820.316	751703.904	R/W
P434	507781.303	751964.115	PLE
P435	507705.034	751964.405	PLE
P436	507704.977	751949.405	PLE
P437	507740.194	751949.271	PLE
P438	507694.958	751932.253	PLE
P439	507294.708	751940.960	PLE
P445	507781.478	751949.115	PLE
P446	507294.671	751950.960	PLE
P449	507484.202	751940.242	PLE

Line Table

FROM-TO	Direction	Length
T715-T305	N00°13'02"W	2.35
T305-T714	N16°00'25"W	32.48
T713-T712	N21°49'19"W	27.69
800-P434	N89°20'04"W	199.14
P434-P435	S00°13'02"E	76.27
P435-P436	S89°46'58"W	15.00
P436-P446	S00°13'02"E	410.31
P446-P439	N89°47'30"W	10.00
P439-P449	N00°13'02"W	189.50
P449-P438	N02°10'15"W	210.91
P438-P437	N20°36'59"E	48.33
P437-P445	N00°13'02"W	41.28
P445-P433	S89°20'04"E	15.00
P803-P804	S02°18'57"E	10.00
P804-P805	S87°41'02"W	10.00
P805-P806	N02°18'57"W	10.00

ROAD NAME	BASIS OF EXISTING R/W	YEAR
STH 116	WISDOT PROJECT *6190-03-21 WINNEBAGO COUNTY CSM #955, 1600,	1983 1981, 1986,

UTILITIES INTEREST REQUIRED

UTILITY NO.	OWNER(S)	INTEREST REQUIRED
300	AT&T WISCONSIN	RELEASE OF RIGHTS
301	CHARTER COMMUNICATIONS	RELEASE OF RIGHTS
302	ALLIANT ENERGY - ELECTRIC	RELEASE OF RIGHTS
303	ALLIANT ENERGY - GAS	RELEASE OF RIGHTS
304	VILLAGE OF WINNECONNE WATER	RELEASE OF RIGHTS
305	VILLAGE OF WINNECONNE SANITARY	RELEASE OF RIGHTS
306	AMERICAN TRANSMISSION COMPANY, LLC	RELEASE OF RIGHTS

CURVE TABLE

CURVE	LENGTH	CHORD LENGTH	CHORD BEARING	RADIUS
801-T715	167.69	167.17	S82°51'26"W	615.25
P806-P803	10.00	10.00	N87°41'03"E	615.25
T714-T713	24.31	24.31	S73°58'39"W	650.00
801-P803	27.02	27.01	S89°24'27"W	615.25

OMNNI ASSOCIATES
ONE SYSTEMS DRIVE
APPLETON, WI 54914-1654
PHONE (920) 735-6900
FAX (920) 830-6100

I, DAVID A. YURK 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 DEPARTMENT OF TRANSPORTATION, I HAVE MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

SIGNATURE: David A. Yurk DATE: 4/26/17

PRINTED NAME: DAVID A. YURK

REGISTRATION NUMBER: S-2648

THIS PLAT IS APPROVED FOR THE (WISCONSIN DEPARTMENT OF TRANSPORTATION DISTRICT OFFICE, CITY, VILLAGE, TOWN, OR COUNTY).

SIGNATURE: Curt Van Erem DATE: 4/26/17

PRINTED NAME: CURT VAN EREM

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

FILE NAME : F:\TRANSJOBS\2073A13\CIVIL 3D 2014\SHEETSPLAN\T1 SHEETS\61901571-040104-RP.DWG

PLOT DATE : 4/25/2017 3:29 PM

PLOT BY : OMNNI ASSOCIATES, INC. - DAVE A. YURK

APPRAISAL PLAT DATE :

TRANSPORTATION PROJECT PLAT NO: 6190-15-21 - 4.09

THAT PART OF LOTS 2 & 3, CSM 955, LOT 1, CSM 1600, LOCATED IN AND INCLUDING THE NORTHEAST QUARTER OF THE NORTHWEST QUARTER, SECTION 22, T19N, R15E, VILLAGE OF WINNECONNE, WINNEBAGO COUNTY, WISCONSIN.

RELOCATION ORDER STH 116, WINNEBAGO COUNTY
WEST VILLAGE LIMITS - EAST VILLAGE LIMITS

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

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3), 84.09, AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:

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

GN

SCALE, FEET
0 40 80

REFER TO TITLE SHEET, RECORDED AS SHEET 2 OF 2 AS DOCUMENT NO. 1700277 FOR ADDITIONAL INFORMATION

1707174
REGISTER'S OFFICE
WINNEBAGO COUNTY, WI
RECORDED ON
02/16/2016 9:21 AM
188
CHRISTOPHER LARSON
DEPUTY REGISTER OF DEEDS
RECORDING FEE 25.00
PAGES: 1

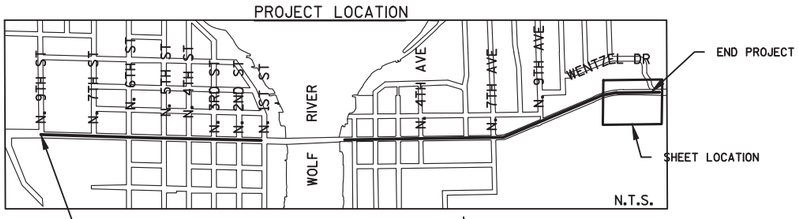
RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 6190-15-21 - 4.09
AMENDMENT NO:___

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SCHEDULE OF LANDS AND INTEREST

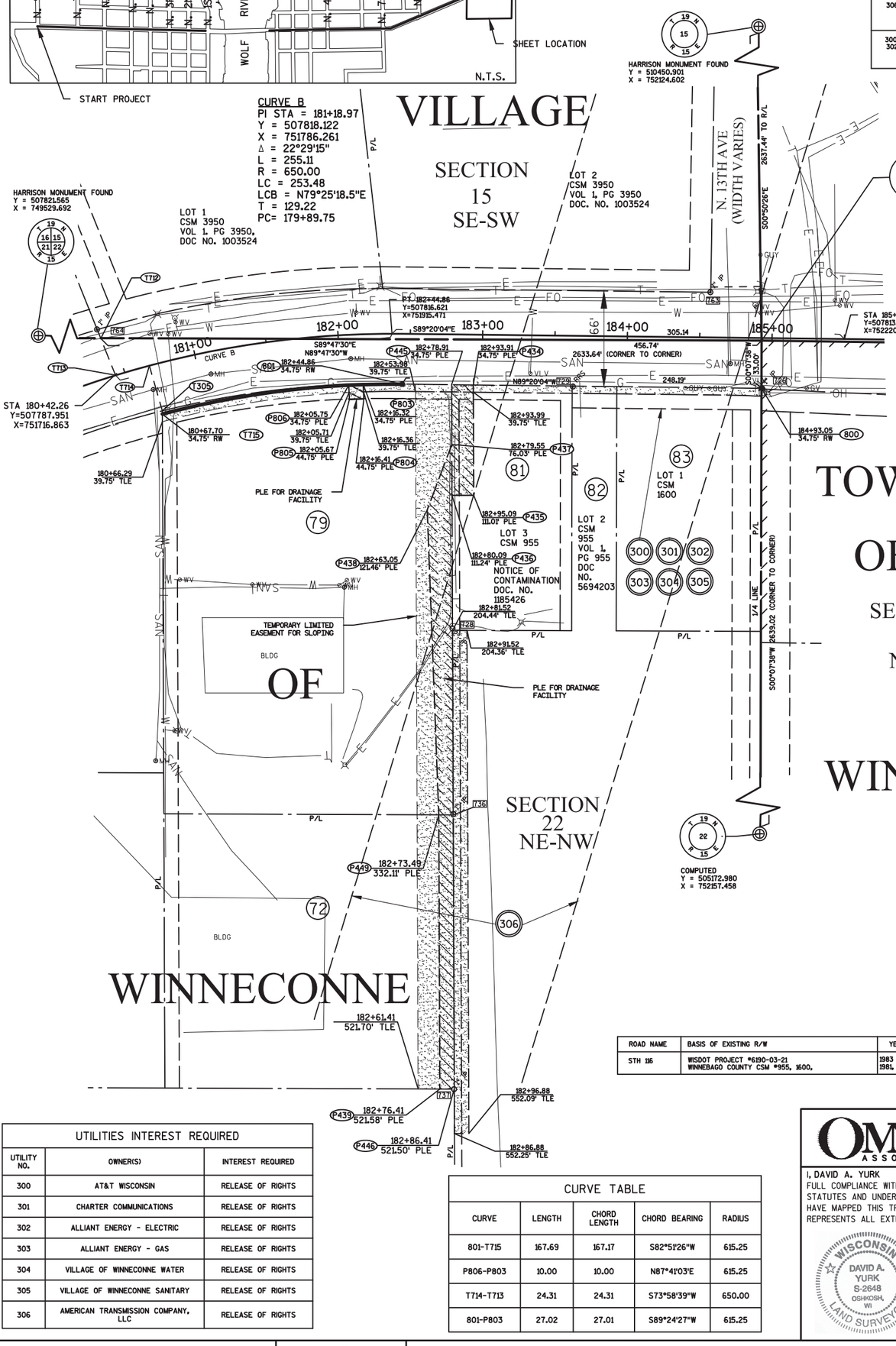
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SIGNATURE: David A. Yurk DATE: 2/10/16
PRINTED NAME: DAVID A. YURK
REGISTRATION NUMBER: S-2648

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

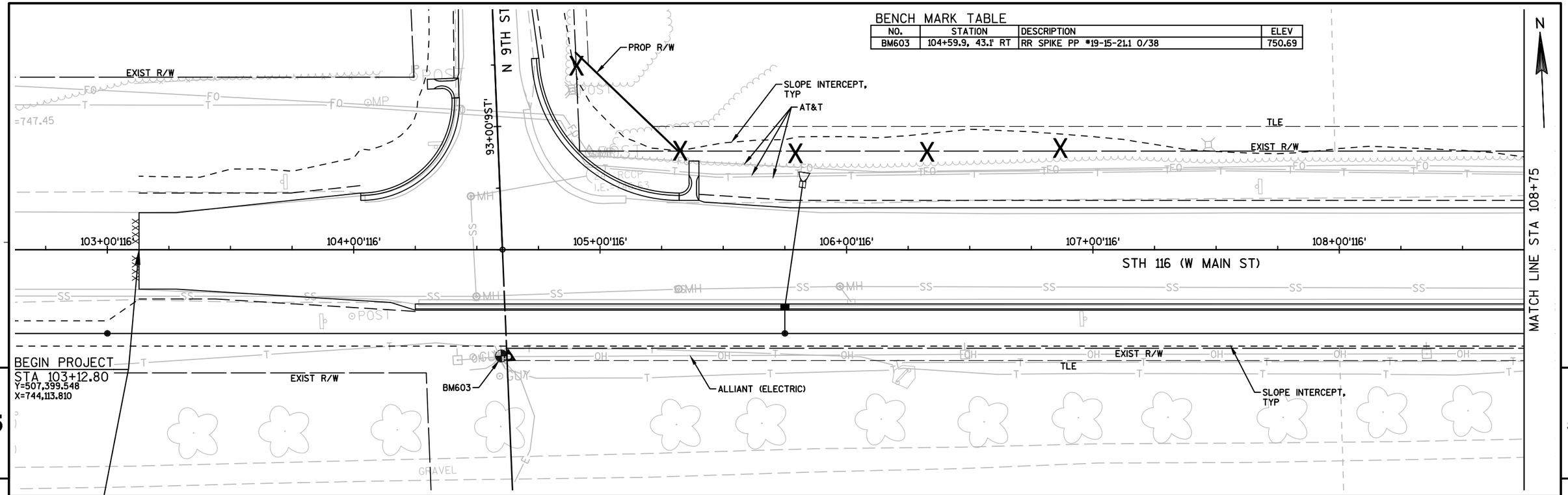
THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION REGION OFFICE.

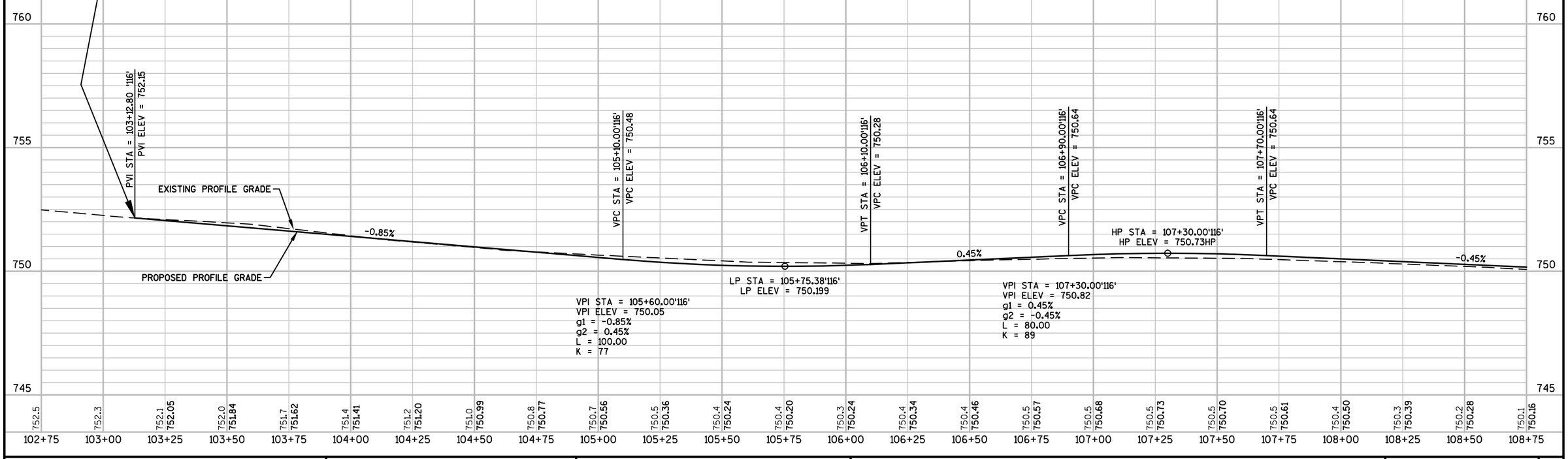
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PRINTED NAME: CURT VAN EREM

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PLOT DATE : 2/15/2016 8:05 AM
PLOT BY : OMNNI ASSOCIATES, INC. - DAVE A. YURK
APPRAISAL PLAT DATE :

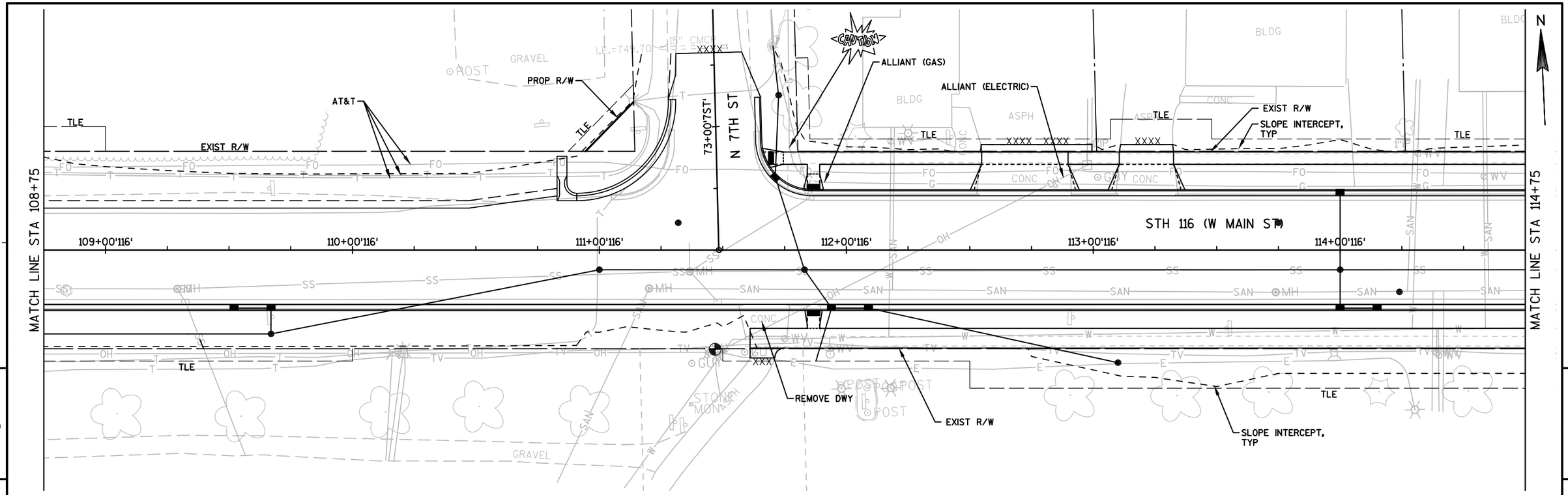
BENCH MARK TABLE

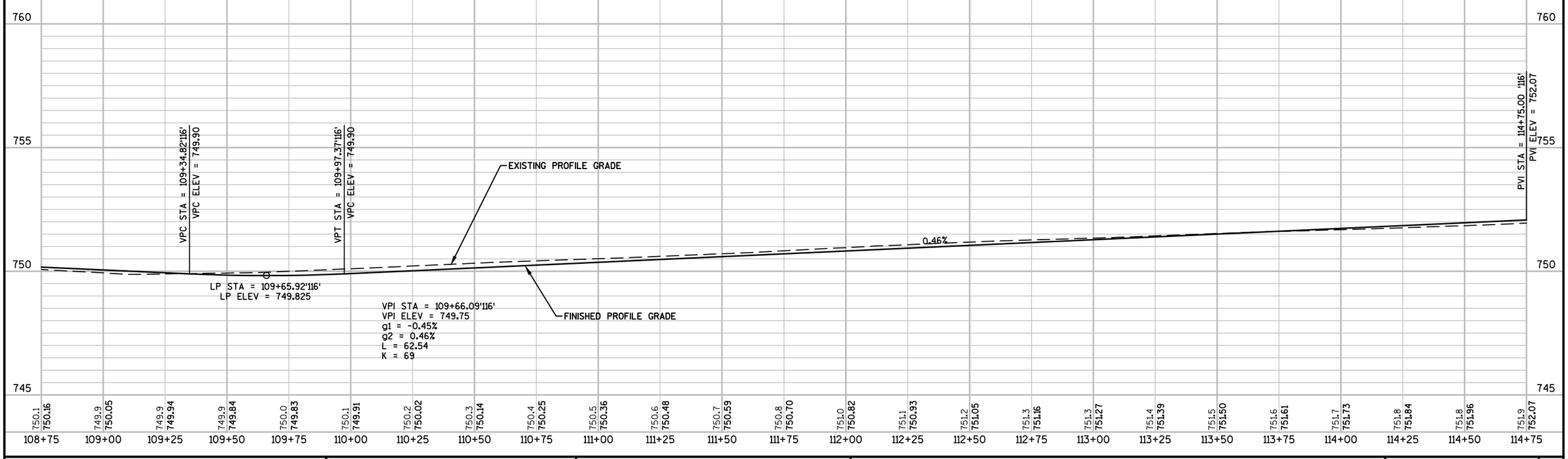
NO.	STATION	DESCRIPTION	ELEV
BM603	104+59.9, 43.1' RT	RR SPIKE PP *19-15-21.1 0/38	750.69





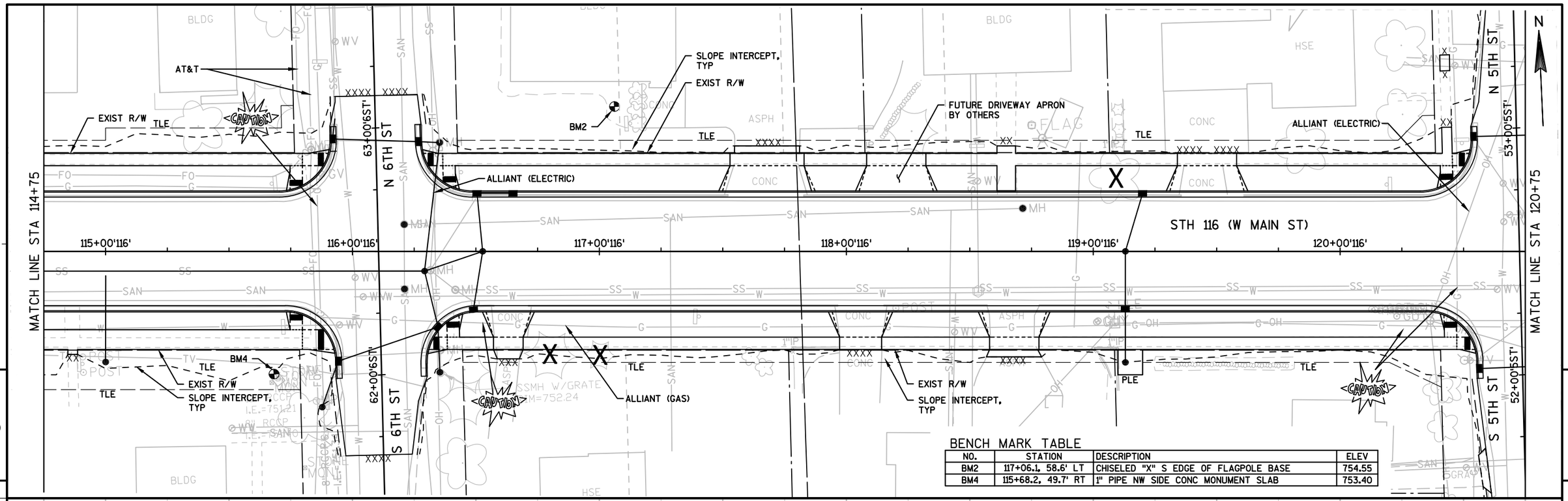
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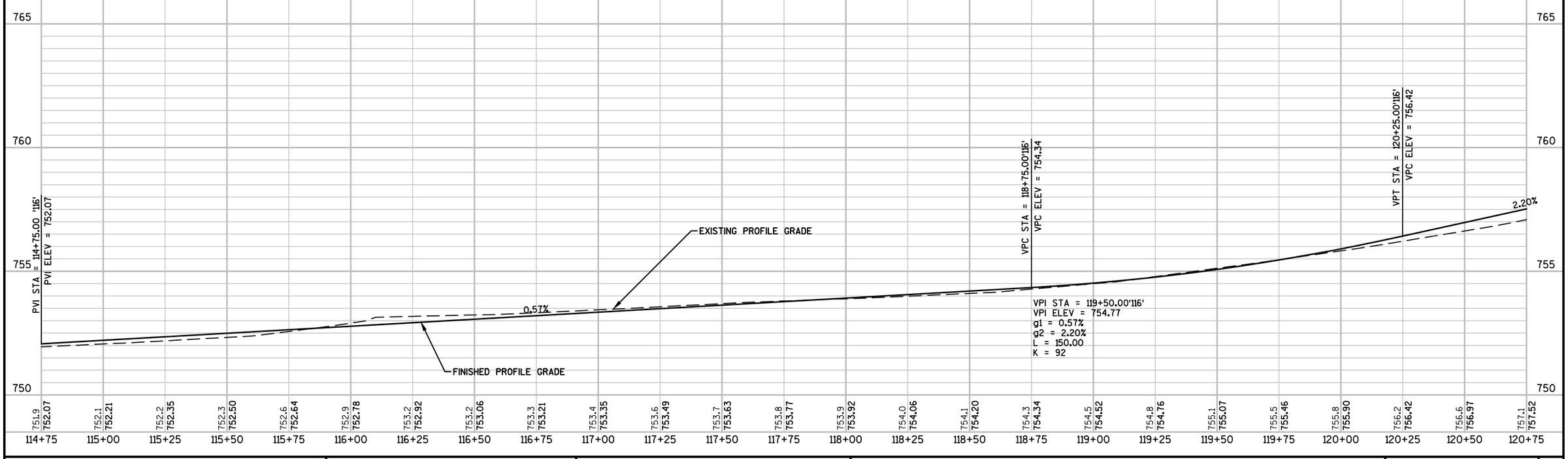
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61901571 PLAN - 61901571-050102-PP
PLOT DATE : 9/22/2017 6:19 PM PLOT BY : ANDREW WESTBROOK PLOT NAME : PLOT SCALE : 1" = 40'_XREF
WISDOT/CADDS SHEET 44



BENCH MARK TABLE

NO.	STATION	DESCRIPTION	ELEV
BM2	117+06.1, 58.6' LT	CHISELED "X" S EDGE OF FLAGPOLE BASE	754.55
BM4	115+68.2, 49.7' RT	1" PIPE NW SIDE CONC MONUMENT SLAB	753.40



PROJECT NO: 6190-15-71	HWY: STH 116	COUNTY: WINNEBAGO	PLAN AND PROFILE: STH 116	SHEET 191	E

FILE NAME : F:\TR\JOBS\E2073A13\CIVIL 3D 2014\SHEETSPLAN\71 SHEETS\61901571-050101-PP.DWG
61901571 PLAN - 61901571-050103-PP
PLOT DATE : 9/22/2017 6:20 PM PLOT BY : ANDREW WESTBROOK PLOT NAME : PLOT SCALE : 1" = 40'_XREF
WISDOT/CADDS SHEET 44

MATCH LINE STA 120+75

MATCH LINE STA 126+75

N 5TH ST

S 5TH ST

N 4TH ST

S 4TH ST

STH 116 (W MAIN ST)

43+00'4STN'

42+00'4STS'

121+00'116'

122+00'116'

123+00'116'

124+00'116'

125+00'116'

126+00'116'

REMOVE DWY

BM6

TLE

PLE

EXIST R/W

ALLIANT (ELECTRIC)

ALLIANT (GAS)

SLOPE INTERCEPT, TYP

SHIFT SIDEWALK AS NEEDED TO AVOID IMPACTING TREE

BM10

AREA OF POTENTIALLY CONTAMINATED SOIL

CAUTION

AT&T

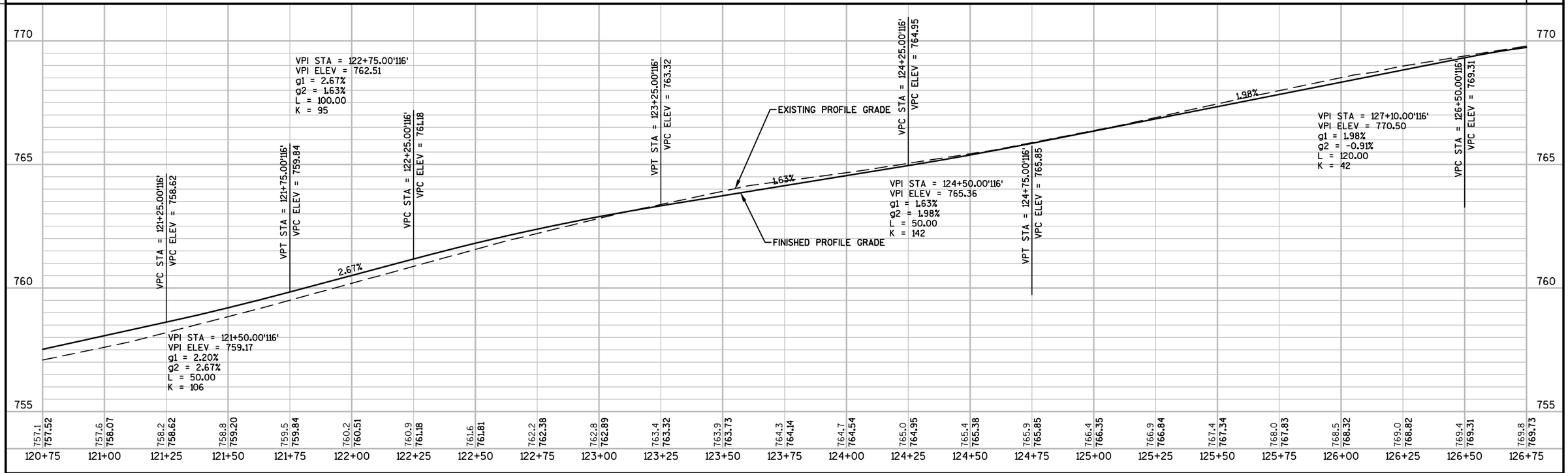
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BENCH MARK TABLE

NO.	STATION	DESCRIPTION	ELEV
BM6	121+34.4, 44.5' LT	SW CORNER OF 3RD STEP TO 434 W. MAIN ST	760.41
BM10	125+39.5, 50.6' LT	0.5' E OF SW CORNER OF 1ST STEP 312 W MAIN	768.21



PROJECT NO: 6190-15-71	HWY: STH 116	COUNTY: WINNEBAGO	PLAN AND PROFILE: STH 116	SHEET 192	E

MATCH LINE STA 126+75

N 3RD ST

S 3RD ST

N 2ND ST

S 2ND ST

AREA OF POTENTIALLY CONTAMINATED SOIL

PROP R/W

EXIST R/W

SLOPE INTERCEPT, TYP

TLE

33+00'3STN'

32+00'3STS'

23+00'2ST'

22+00'2ST'

127+00'116'

128+00'116'

129+00'116'

130+00'116'

131+00'116'

132+00'116'

STH 116 (W MAIN ST)

STH 116 (W MAIN ST)

BM14

BM18

ALLIANT (ELECTRIC)

PC: 133+

END CONSTRUCTION
STA 132+60.00
Y=507,268.390
X=747,058.086

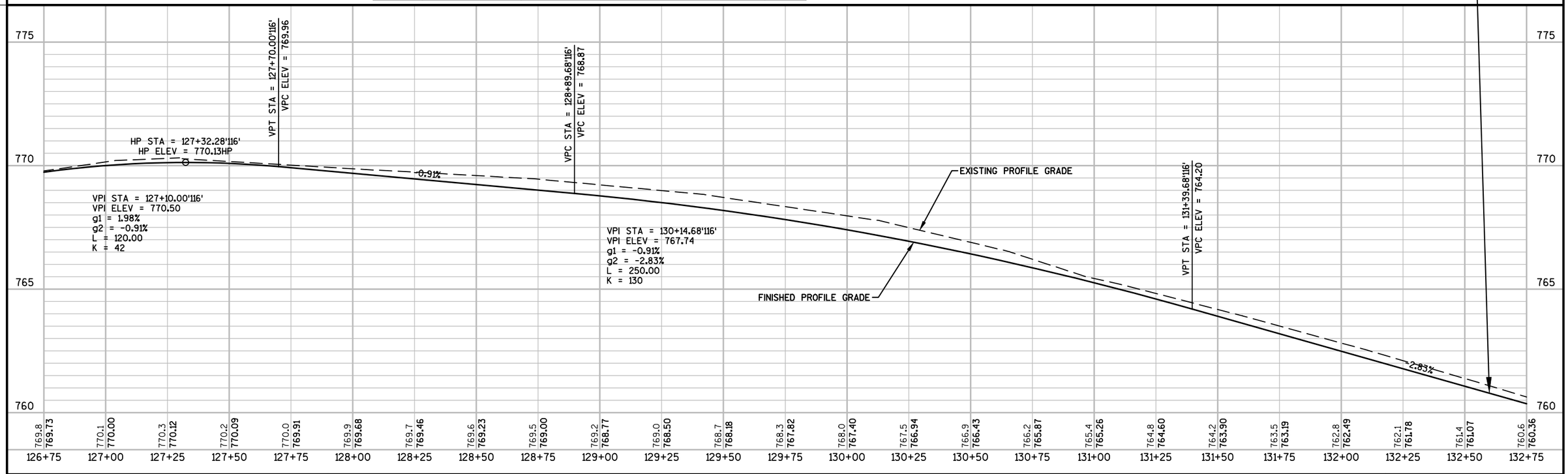
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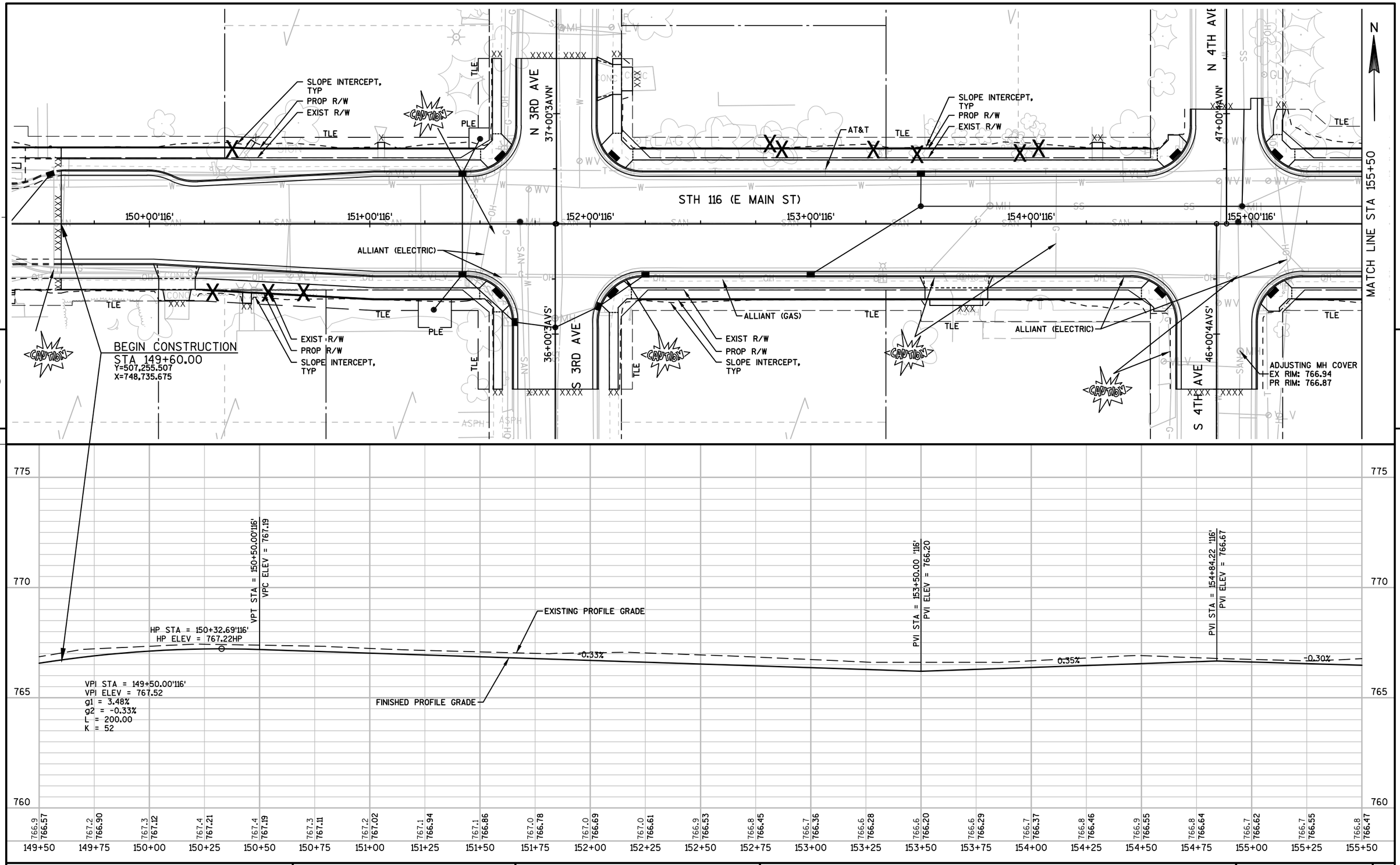
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BENCH MARK TABLE

NO.	STATION	DESCRIPTION	ELEV
BM14	128+99.7, 38.2' RT	NW CORNER 1ST STEP TO 227 W MAIN ST	770.23
BM18	132+66.5, 40.2' LT	0.32' E SW CORNER 1ST STEP TO 124 W MAIN ST	761.29



PROJECT NO: 6190-15-71	HWY: STH 116	COUNTY: WINNEBAGO	PLAN AND PROFILE: STH 116	SHEET 193	E



PROJECT NO: 6190-15-71	HWY: STH 116	COUNTY: WINNEBAGO	PLAN AND PROFILE: STH 116	SHEET 194	E

FILE NAME : F:\TR\JOBS\E2073A13\CIVIL 3D 2014\SHEETSPLAN\71 SHEETS\61901571-050101-PP.DWG
61901571 PLAN - 61901571-050110-PP
PLOT DATE : 9/22/2017 6:20 PM PLOT BY : ANDREW WESTBROOK PLOT NAME : PLOT SCALE : **********
WISDOT/CADDS SHEET 44

MATCH LINE STA 155+50

MATCH LINE STA 161+50

BM30

TLE

PI: 157+56.20'116'

SLOPE INTERCEPT, TYP

PROP R/W

EXIST R/W

CHARTER

N 6TH AVE
67+00'6AV'

156+00'116'

157+00'116'

158+00'116'

159+00'116'

160+00'116'

161+00'116'

PI: 155+67.18'116'

PI: 156+97.22'116'

STH 116 (E MAIN ST)

ALLIANT (GAS)

ALLIANT (ELECTRIC)

CAUTION

REQD

EXIST R/W

PROP R/W

SLOPE INTERCEPT, TYP

N

5

5

BENCH MARK TABLE

NO.	STATION	DESCRIPTION	ELEV
BM30	156+86.6, 41.3' LT	SW CORNER FLAG POLE BASE 414 E MAIN ST	766.03

775

770

765

760

PVI STA = 155+75.00 '116'
PVI ELEV = 766.40

VPC STA = 157+55.00'116'
VPC ELEV = 767.08

VPT STA = 158+05.00'116'
VPC ELEV = 767.08

PVI STA = 159+00.00 '116'
PVI ELEV = 766.72

EXISTING PROFILE GRADE

FINISHED PROFILE GRADE

0.38%

HP STA = 157+80.16'116'
HP ELEV = 767.12HP

-0.37%

-0.50%

VPI STA = 157+80.00'116'
VPI ELEV = 767.17
g1 = 0.38%
g2 = -0.37%
L = 50.00
K = 67

| | | |

MATCH LINE STA 161+50

MATCH LINE STA 167+50

STH 116 (E MAIN ST)

162+00'116'

163+00'116'

164+00'116'

165+00'116'

166+00'116'

167+00'116'

PI: 162+29.82'116'

PI: 163+64.85'116'

PC: 165+11.39'116'

PT: 166+42.12'116'

N 7TH AVE

S 7TH AVE

77+00'7AVN'

76+00'7AVS'

PROP R/W

EXIST R/W

SLOPE INTERCEPT, TYP

TLE

CAUTION

AT&T

ALLIANT (ELECTRIC)

ALLIANT (GAS)

BM36

REMOVE POLE AND BASE

BENCH MARK TABLE

NO.	STATION	DESCRIPTION	ELEV
BM36	163+41.2, 55.8' RT	NE CORNER CEMENT PATIO NEAR DOWN SPOUT BETWEEN TWO SETS OF STEPS AT 629 E MAIN ST	768.62

EXISTING PROFILE GRADE

FINISHED PROFILE GRADE

VPC STA = 162+95.00'116'
VPC ELEV = 764.75

LP STA = 163+27.93'116'
LP ELEV = 764.666

VPI STA = 163+45.00'116'
VPI ELEV = 764.50
g1 = -0.50%
g2 = 1.02%
L = 100.00
K = 66

VPT STA = 163+95.00'116'
VPC ELEV = 765.01

VPC STA = 164+40.00'116'
VPC ELEV = 765.47

1.02%

VPI STA = 164+70.00'116'
VPI ELEV = 765.77
g1 = 1.02%
g2 = -0.35%
L = 60.00
K = 44

VPT STA = 165+00.00'116'
VPC ELEV = 765.67

HP STA = 164+84.71'116'
HP ELEV = 765.69HP

-0.35%

PVI STA = 165+25.00 '116'
PVI ELEV = 765.58

-0.39%

PVI STA = 166+25.00 '116'
PVI ELEV = 765.19

-0.27%

VPC STA = 166+51.86'116'
VPC ELEV = 765.12

VPI STA = 167+00.00'116'
VPI ELEV = 764.98
g1 = -0.27%
g2 = -1.21%
L = 96.28
K = 103

VPT STA = 167+48.14'116'
VPC ELEV = 764.40

775 / 770 / 765 / 760

765.6 765.47 | 765.5 765.35 | 765.3 765.22 | 765.2 765.10 | 765.1 764.97 | 764.9 764.85 | 764.8 764.73 | 764.8 764.67 | 764.8 764.70 | 764.9 764.83 | 765.2 765.06 | 765.5 765.31 | 765.8 765.56 | 765.9 765.68 | 765.8 765.67 | 765.7 765.58 | 765.6 765.48 | 765.5 765.39 | 765.4 765.29 | 765.4 765.19 | 765.3 765.12 | 765.2 765.03 | 765.1 764.87 | 764.8 764.66 | 764.5 764.38

161+50 | 161+75 | 162+00 | 162+25 | 162+50 | 162+75 | 163+00 | 163+25 | 163+50 | 163+75 | 164+00 | 164+25 | 164+50 | 164+75 | 165+00 | 165+25 | 165+50 | 165+75 | 166+00 | 166+25 | 166+50 | 166+75 | 167+00 | 167+25 | 167+50

PROJECT NO: 6190-15-71	HWY: STH 116	COUNTY: WINNEBAGO	PLAN AND PROFILE: STH 116	SHEET 196	E

FILE NAME : F:\TR\JOBS\E2073A13\CIVIL 3D 2014\SHEETSPLAN\71 SHEETS\61901571-050101-PP.DWG
61901571 PLAN - 61901571-050112-PP

PLOT DATE : 9/25/2017 11:08 AM PLOT BY : ANDREW WESTBROOK PLOT NAME : PLOT SCALE : **********

WISDOT/CADDS SHEET 44

MATCH LINE STA 167+50

MATCH LINE STA 173+50

SLOPE INTERCEPT, TYP
PROP R/W
EXIST R/W
TLE
AT&T
CAUTION
N 9TH AVE
97+00 9TH
ALLIANT (ELECTRIC)
CHARTER
EXIST R/W
EXIST SIGNS AND WHEELSTOPS TO REMAIN HAND SAW REQD.
CHARTER
TLE
AT&T
AT&T
168+00'116'
169+00'116'
PI: 169+20.37'116'
170+00'116'
PI: 170+20.38'116'
171+00'116'
172+00'116'
173+00'116'
ADJUSTING MH COVER REQD
EX RIM: 763.15
PR RIM: 763.04
STH 116 (E MAIN ST)
TLE
TLE
AT&T
CAUTION
EXIST R/W
PROP R/W
ALLIANT (ELECTRIC)
ALLIANT (GAS)
CAUTION
EXIST R/W
PROP R/W
SLOPE INTERCEPT, TYP
ALLIANT (ELECTRIC)
CHARTER
ALLIANT (ELECTRIC)

5

5

770

765

760

755

VPC STA = 167+95.00'116'
VPC ELEV = 763.84

VPT STA = 168+55.00'116'
VPC ELEV = 763.56

VPC STA = 169+75.00'116'
VPC ELEV = 763.92

VPT STA = 170+25.00'116'
VPC ELEV = 763.86

EXISTING PROFILE GRADE

PROPOSED PROFILE GRADE

-1.21%

0.30%

0.58%

LP STA = 168+43.06'116'
LP ELEV = 763.547

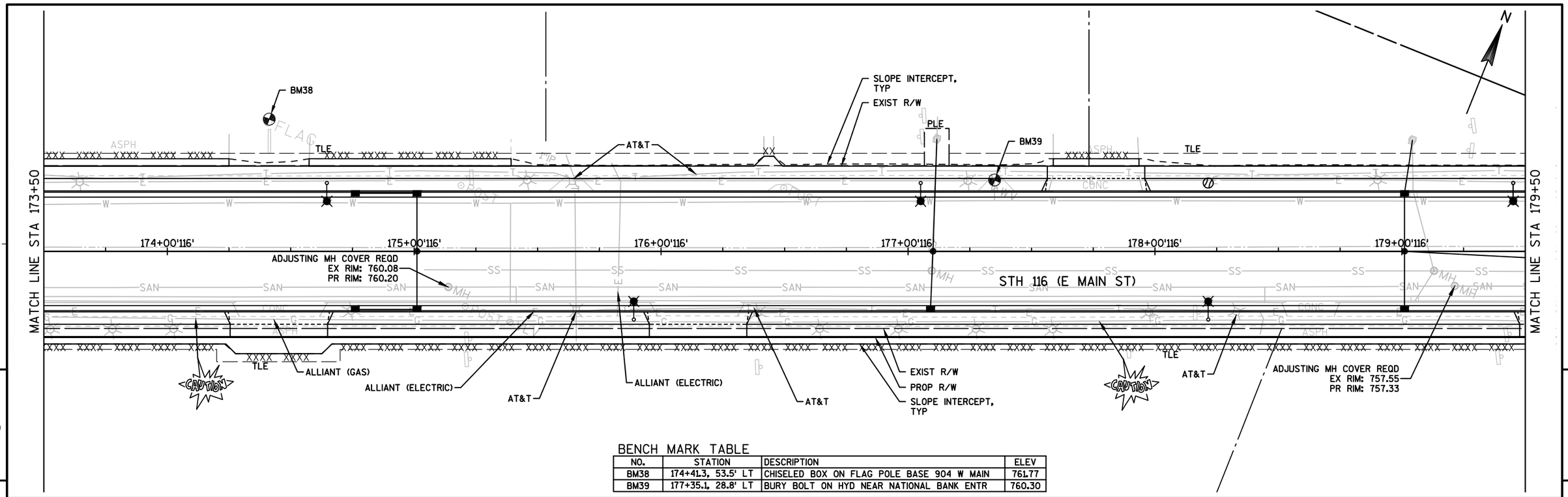
HP STA = 169+92.14'116'
HP ELEV = 763.95HP

VPI STA = 168+25.00'116'
VPI ELEV = 763.48
g1 = -1.21%
g2 = 0.30%
L = 60.00
K = 40

VPI STA = 170+00.00'116'
VPI ELEV = 764.00
g1 = 0.30%
g2 = -0.57%
L = 50.00
K = 57

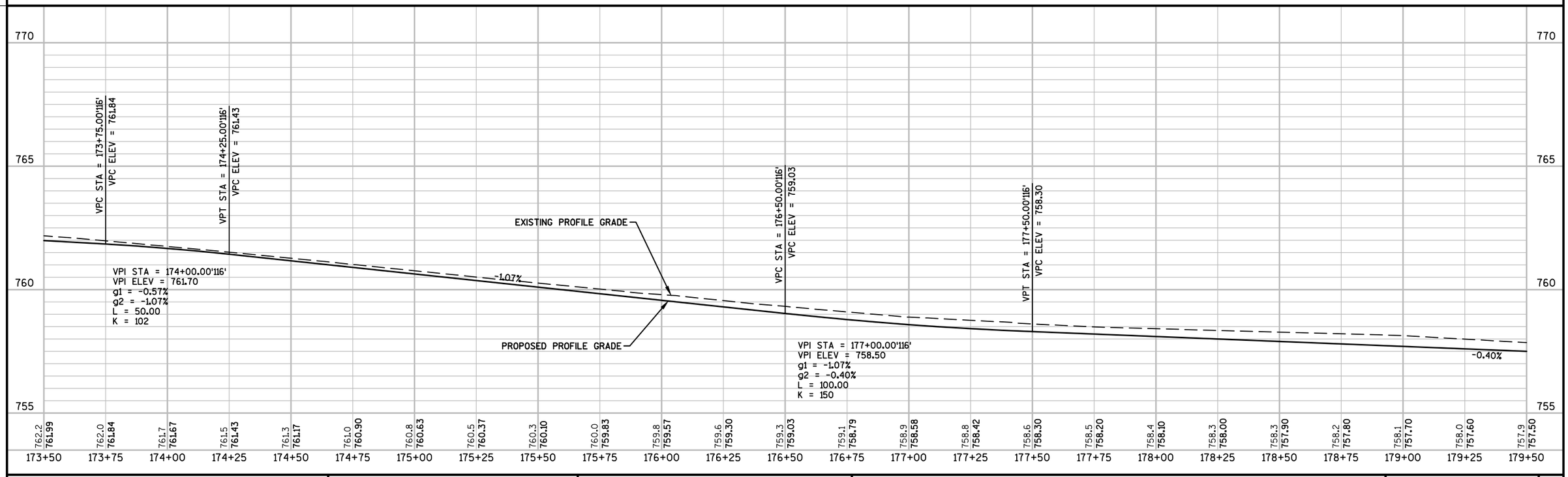
764.5	764.3	764.0	763.8	763.8	763.8	763.9	764.0	764.1	764.1	764.2	764.0	763.9	763.8	763.6	763.5	763.3	763.2	763.1	763.0	762.8	762.7	762.5	762.4	762.2
763.38	764.08	763.78	763.59	763.55	763.62	763.70	763.78	763.85	763.92	763.95	763.86	763.71	763.57	763.42	763.28	763.14	762.99	762.85	762.71	762.56	762.42	762.28	762.13	761.99
167+50	167+75	168+00	168+25	168+50	168+75	169+00	169+25	169+50	169+75	170+00	170+25	170+50	170+75	171+00	171+25	171+50	171+75	172+00	172+25	172+50	172+75	173+00	173+25	173+50

PROJECT NO: 6190-15-71	HWY: STH 116	COUNTY: WINNEBAGO	PLAN AND PROFILE: STH 116	SHEET 197	E



BENCH MARK TABLE

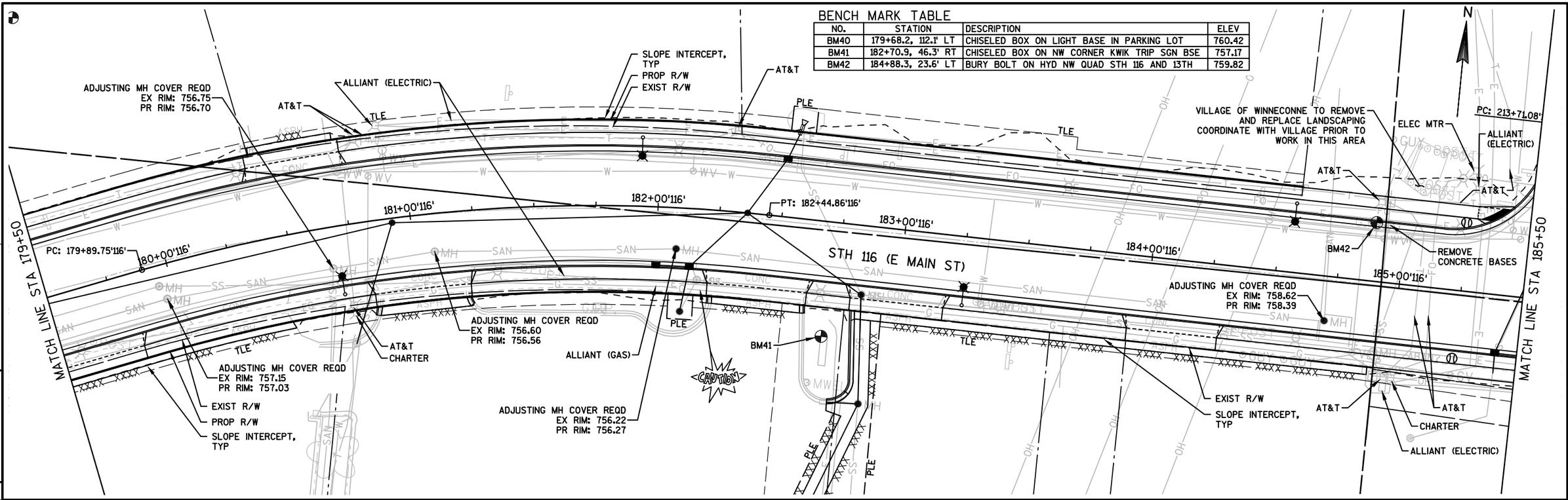
NO.	STATION	DESCRIPTION	ELEV
BM38	174+41.3, 53.5' LT	CHISELED BOX ON FLAG POLE BASE 904 W MAIN	761.77
BM39	177+35.1, 28.8' LT	BURY BOLT ON HYD NEAR NATIONAL BANK ENTR	760.30

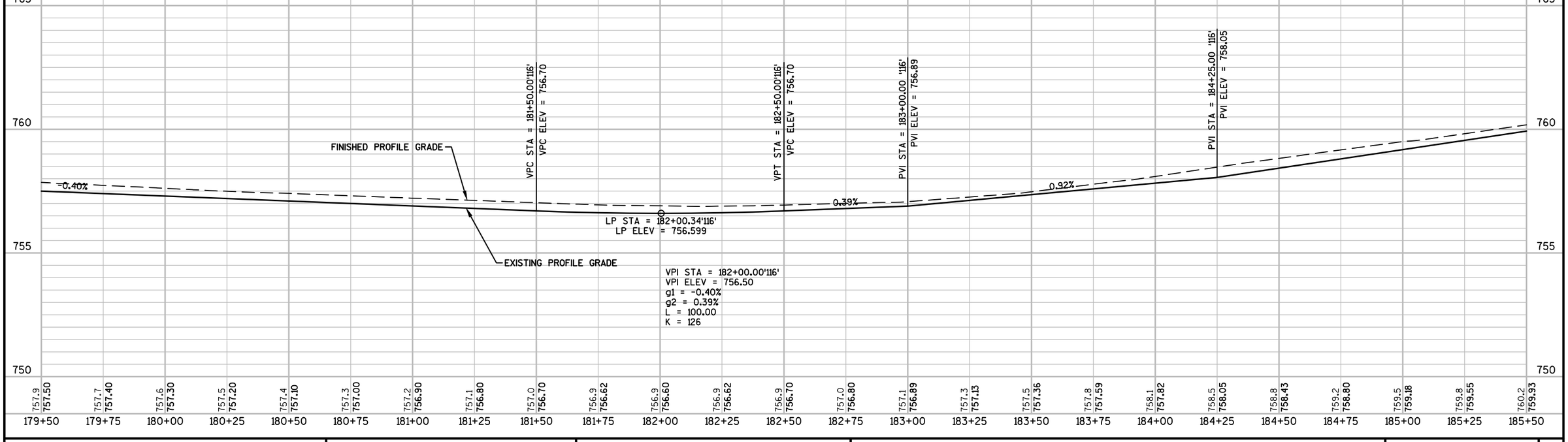


PROJECT NO: 6190-15-71	HWY: STH 116	COUNTY: WINNEBAGO	PLAN AND PROFILE: STH 116	SHEET 198	E

BENCH MARK TABLE

NO.	STATION	DESCRIPTION	ELEV
BM40	179+68.2, 112.1' LT	CHISELED BOX ON LIGHT BASE IN PARKING LOT	760.42
BM41	182+70.9, 46.3' RT	CHISELED BOX ON NW CORNER KWIK TRIP SGN BSE	757.17
BM42	184+88.3, 23.6' LT	BURY BOLT ON HYD NW QUAD STH 116 AND 13TH	759.82





PROJECT NO: 6190-15-71	HWY: STH 116	COUNTY: WINNEBAGO	PLAN AND PROFILE: STH 116	SHEET 199	E

FILE NAME : F:\TR\JOBS\E2073A13\CIVIL 3D 2014\SHEETSPLAN\71 SHEETS\61901571-050101-PP.DWG
61901571 PLAN - 61901571-050115-PP
PLOT DATE : 9/22/2017 6:22 PM PLOT BY : ANDREW WESTBROOK PLOT NAME : PLOT SCALE : **********
WISDOT/CADDS SHEET 44

MATCH LINE STA 185+50

214+C

34'V'

N 13TH AVE

STA 185+73.84'116'=
STA 213+00.00'13AV'

EXIST R/W

SLOPE INTERCEPT, TYP

TLE

AT&T

PI: 189+61.13'116'

186+00'116'

187+00'116'

188+00'116'

189+00'116'

190+00'116'

191+00'116'

PI: 187+01.13'116'

STH 116 (E MAIN ST)

CAUTION

ALLIANT (GAS)

ALLIANT (ELECTRIC)

END PROJECT
STA 187+97.42
Y=507,809.748
X=752,467.985

AT&T

SLOPE INTERCEPT, TYP

EXIST R/W

CAUTION

N

5

5

770

765

760

755

PVI STA = 187+00.00 '116'
PVI ELEV = 762.18

1.50%

PROPOSED GRADE LINE

EXISTING GRADE LINE

760.2	760.5	760.9	761.2	761.6	761.9	762.2	762.4	762.6	762.8	762.9	763.0	763.0	763.1	763.1	763.2	763.2	763.1	763.0	762.9	762.8	762.6	762.3	762.1	761.7
759.93	760.30	760.68	761.05	761.43	761.80	762.18																		

185+50	185+75	186+00	186+25	186+50	186+75	187+00	187+25	187+50	187+75	188+00	188+25	188+50	188+75	189+00	189+25	189+50	189+75	190+00	190+25	190+50	190+75	191+00	191+25	191+50

PROJECT NO: 6190-15-71	HWY: STH 116	COUNTY: WINNEBAGO	PLAN AND PROFILE: STH 116	SHEET 200	E

FILE NAME : F:\TR\JOBS\E2073A13\CIVIL 3D 2014\SHEETSPLAN\71 SHEETS\61901571-050101-PP.DWG
61901571 PLAN - 61901571-050116-PP

PLOT DATE : 9/22/2017 6:22 PM PLOT BY : ANDREW WESTBROOK PLOT NAME : PLOT SCALE : **********

N

SLOPE INTERCEPT, TYP

EXIST R/W

EP: 94+50.00'9ST'

104+00'116'

105+00'116'

93+00'9ST'

94+00'9ST'

N 9TH ST

EXIST R/W

TLE

PROP R/W

END CONSTRUCTION
STA 94+14.52
Y=507,557.505
X=744,261.683

ALLIANT (ELECTRIC)

AT&T

GRAVEL

POST

SS

MH

OH

MP

5

5

760

755

750

745

PVI STA = 92+50.00 '9ST'
PVI ELEV = 750.90

PVI STA = 92+62.01 '9ST'
PVI ELEV = 751.02

PVI STA = 92+70.02 '9ST'
PVI ELEV = 750.95

PVI STA = 94+14.52 '9ST'
PVI ELEV = 751.57

FINISHED PROFILE GRADE

1.03%

0.96%

0.43%

EXISTING PROFILE GRADE

750.9 750.90 | 750.8 750.97 | 750.7 751.08 | 750.9 751.18 | 751.3 751.29 | 751.4 751.40 | 751.6 751.51 | 751.6 | 751.6

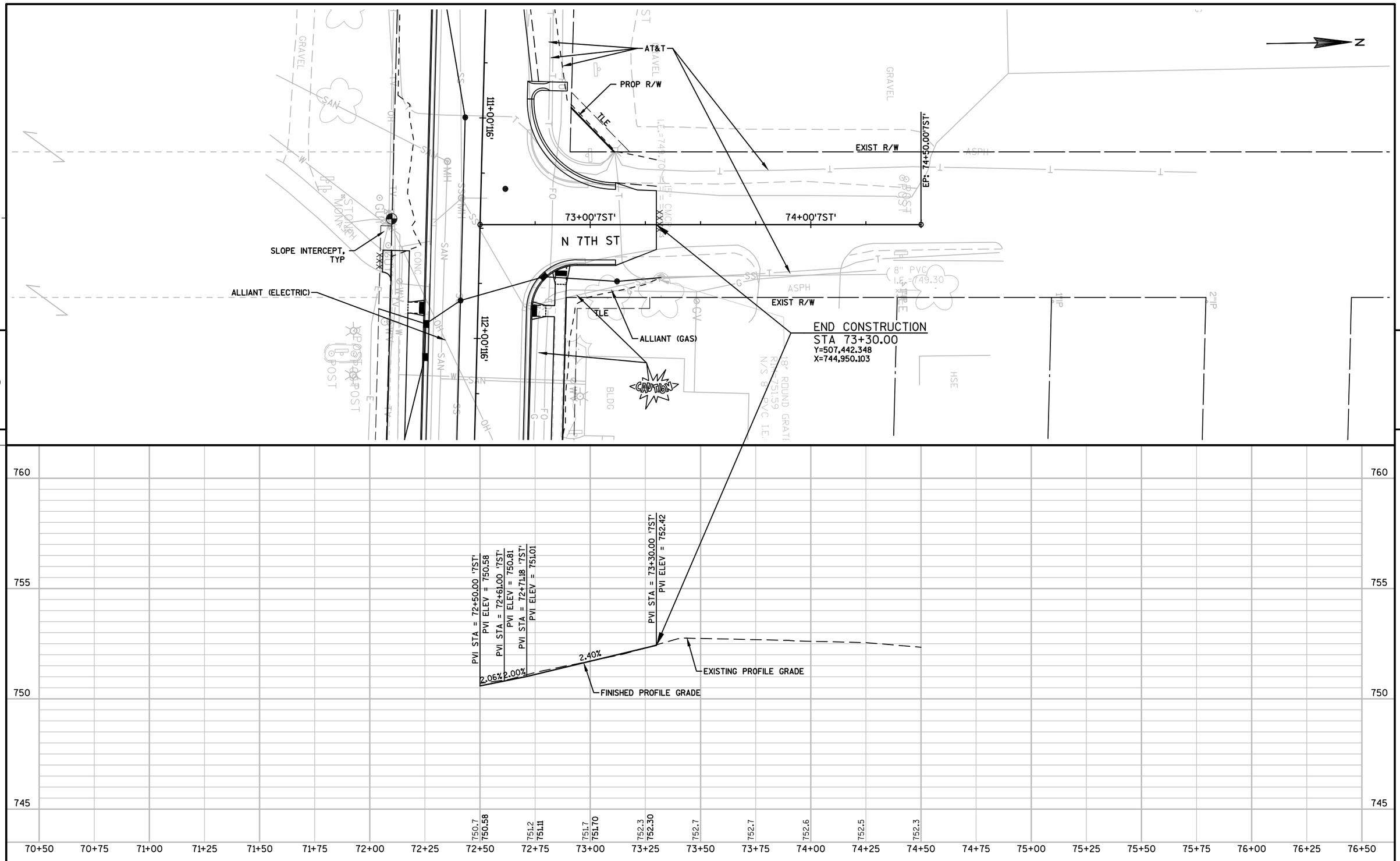
90+50 90+75 91+00 91+25 91+50 91+75 92+00 92+25 92+50 92+75 93+00 93+25 93+50 93+75 94+00 94+25 94+50 94+75 95+00 95+25 95+50 95+75 96+00 96+25 96+50

PROJECT NO: 6190-15-71	HWY: STH 116	COUNTY: WINNEBAGO	PLAN AND PROFILE: 9TH ST	SHEET 201	E

FILE NAME : F:\TR\JOBS\E2073A13\CIVIL 3D 2014\SHEETSPLAN\71 SHEETS\61901571-050101-PP.DWG
61901571 PLAN - 61901571-050130-PP

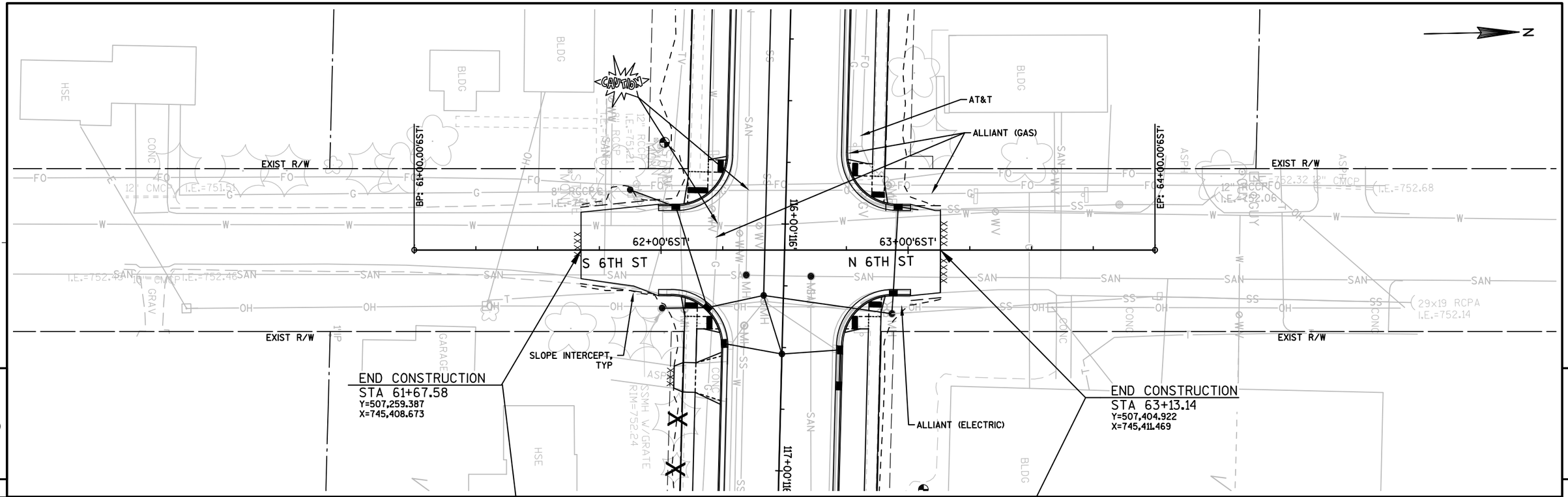
PLOT DATE : 9/22/2017 6:22 PM PLOT BY : ANDREW WESTBROOK PLOT NAME : PLOT SCALE : 1" = 40'_XREF

WISDOT/CADDS SHEET 44



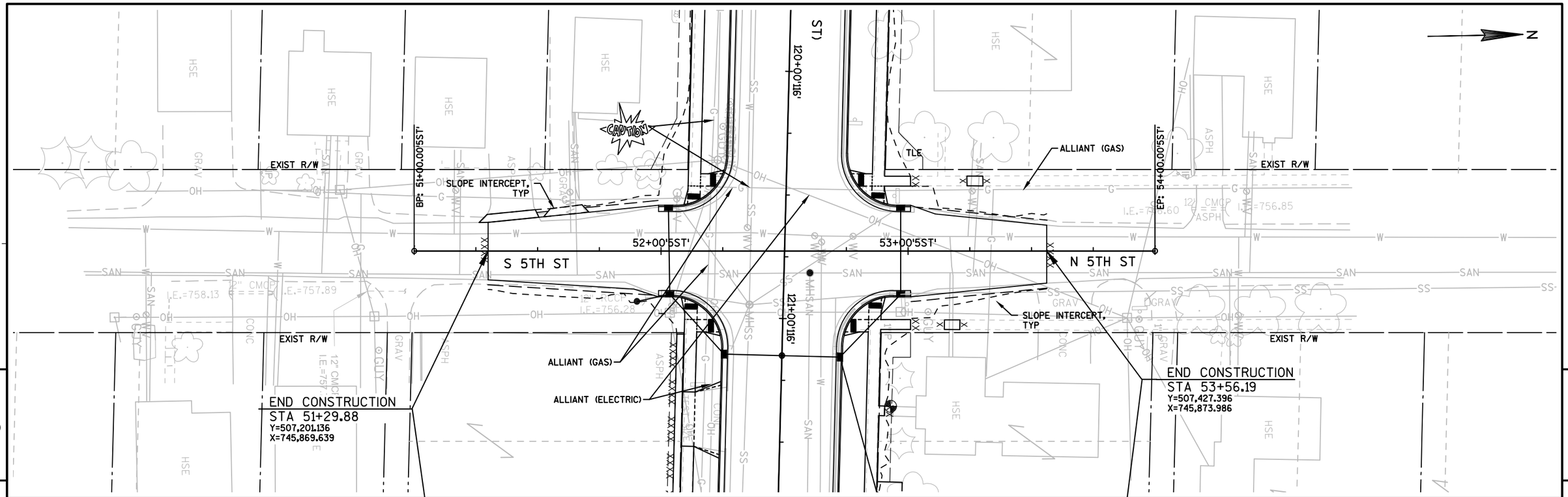
PROJECT NO: 6190-15-71	HWY: STH 116	COUNTY: WINNEBAGO	PLAN AND PROFILE: 7TH ST	SHEET 202	E

FILE NAME : F:\TR\JOBS\E2073A13\CIVIL 3D 2014\SHEETSPLAN\71 SHEETS\61901571-050101-PP.DWG
61901571 PLAN - 61901571-050132-PP
PLOT DATE : 9/22/2017 6:22 PM PLOT BY : ANDREW WESTBROOK PLOT NAME : PLOT SCALE : 1" = 40'_XREF
WISDOT/CADDS SHEET 44



PROJECT NO: 6190-15-71	HWY: STH 116	COUNTY: WINNEBAGO	PLAN AND PROFILE: 6TH ST	SHEET 203	E

FILE NAME : F:\TR\JOBS\E2073A13\CIVIL 3D 2014\SHEETSPLAN\71 SHEETS\61901571-050101-PP.DWG
61901571 PLAN - 61901571-050134-PP
PLOT DATE : 9/22/2017 6:22 PM PLOT BY : ANDREW WESTBROOK PLOT NAME : PLOT SCALE : 1" = 40'_XREF
WISDOT/CADDS SHEET 44

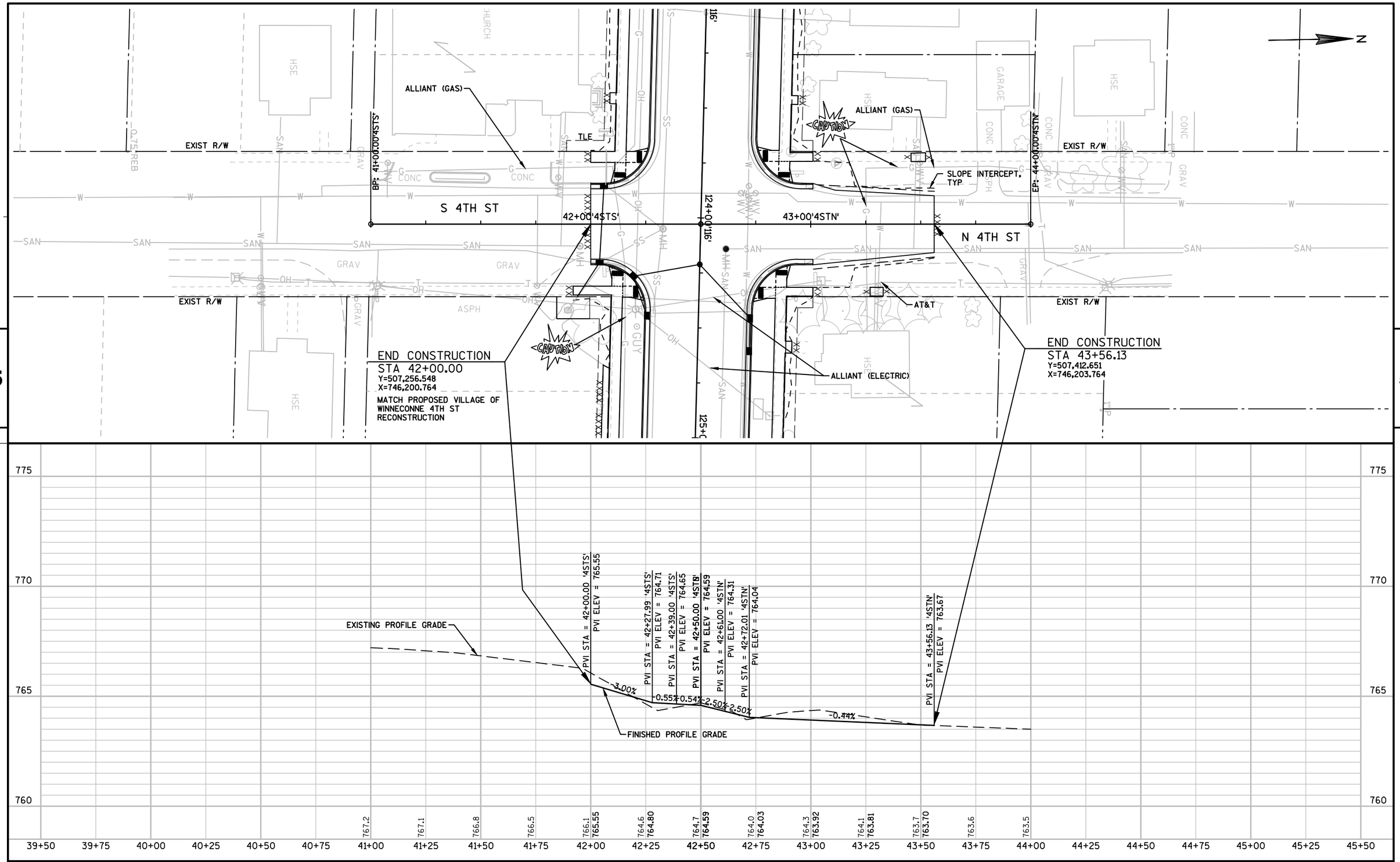


PROJECT NO: 6190-15-71	HWY: STH 116	COUNTY: WINNEBAGO	PLAN AND PROFILE: 5TH ST	SHEET 204	E

FILE NAME : F:\TR\JOBS\E2073A13\CIVIL 3D 2014\SHEETSPLAN\71 SHEETS\61901571-050101-PP.DWG
61901571 PLAN - 61901571-050136-PP

PLOT DATE : 9/22/2017 6:23 PM PLOT BY : ANDREW WESTBROOK PLOT NAME : PLOT SCALE : 1" = 40'_XREF

WISDOT/CADDS SHEET 44

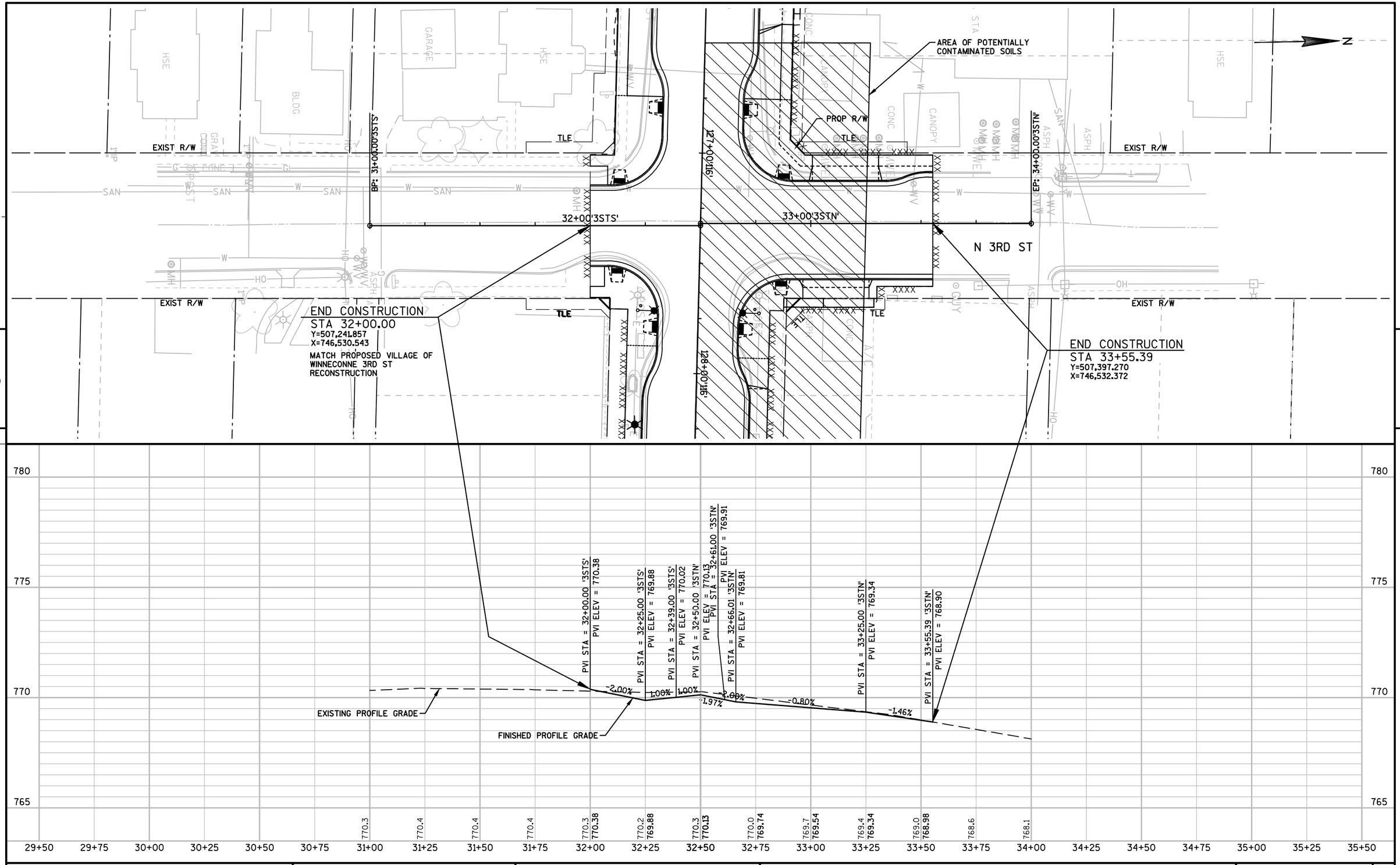


PROJECT NO: 6190-15-71	HWY: STH 116	COUNTY: WINNEBAGO	PLAN AND PROFILE: 4TH ST	SHEET 205	E

FILE NAME : F:\TR\JOBS\E2073A13\CIVIL 3D 2014\SHEETSPLAN\71 SHEETS\61901571-050101-PP.DWG
61901571 PLAN - 61901571-050138-PP

PLOT DATE : 9/22/2017 6:23 PM PLOT BY : ANDREW WESTBROOK PLOT NAME : PLOT SCALE : 1" = 40'_XREF

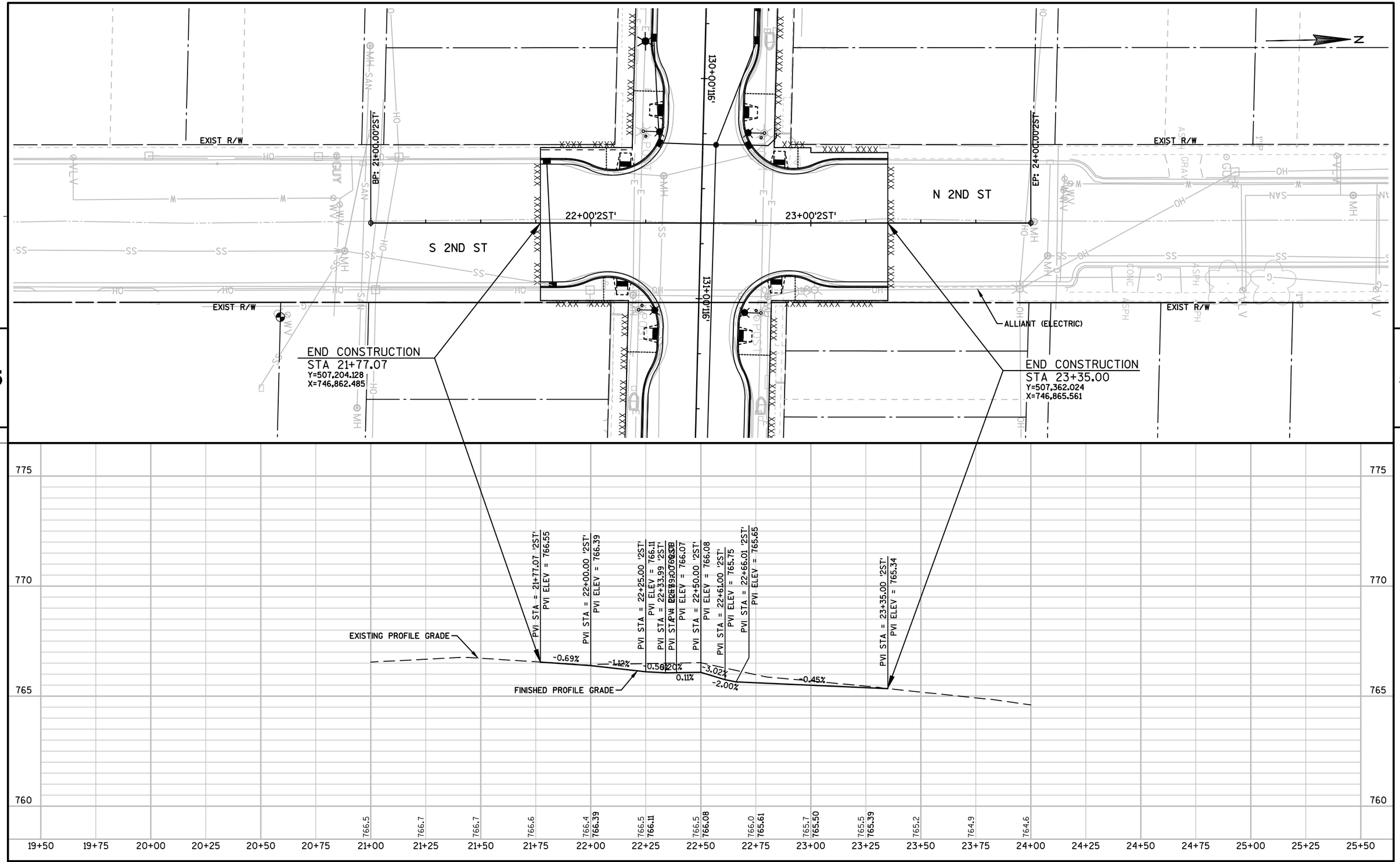
WISDOT/CADDS SHEET 44



PROJECT NO: 6190-15-71	HWY: STH 116	COUNTY: WINNEBAGO	PLAN AND PROFILE: 3RD ST	SHEET 206	E

FILE NAME : F:\TR\JOBS\E2073A13\CIVIL 3D 2014\SHEETSPLAN\71 SHEETS\61901571-050101-PP.DWG
61901571 PLAN - 61901571-050140-PP

PLOT DATE : 9/22/2017 6:23 PM PLOT BY : ANDREW WESTBROOK PLOT NAME : PLOT SCALE : 1" = 40'_XREF

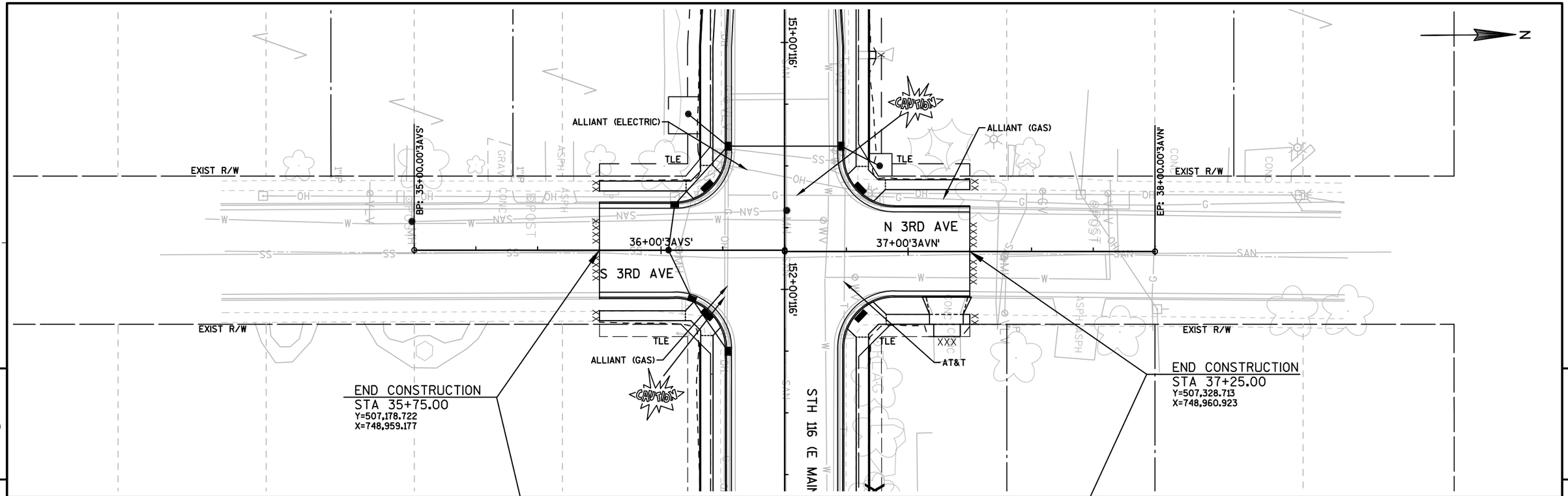


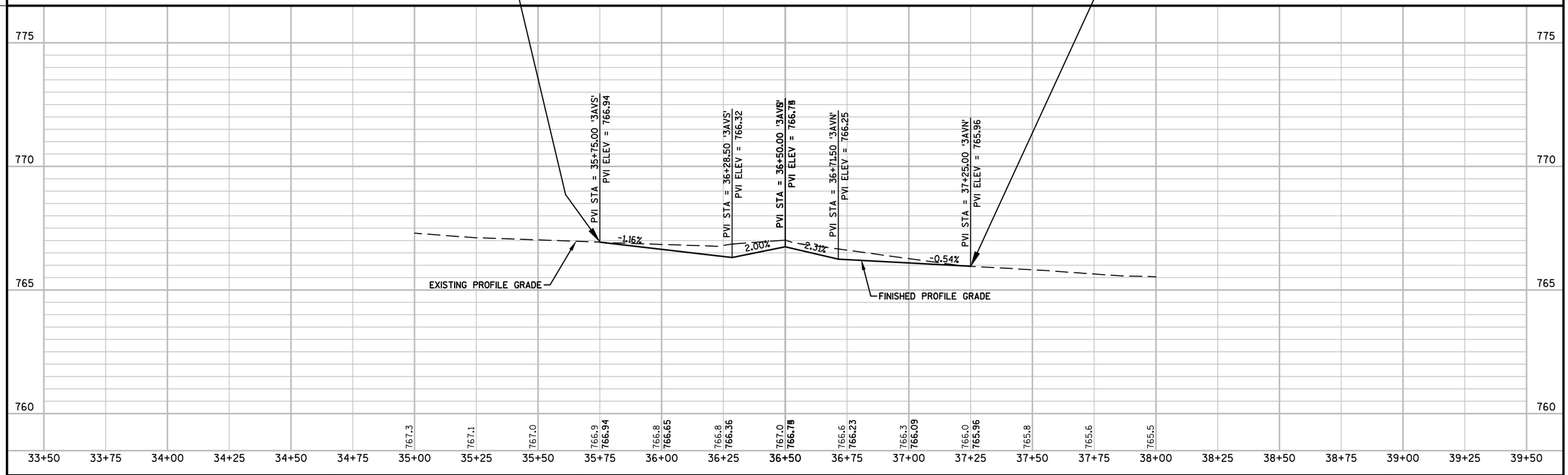
PROJECT NO: 6190-15-71	HWY: STH 116	COUNTY: WINNEBAGO	PLAN AND PROFILE: 2ND ST	SHEET 207	E

FILE NAME : F:\TR\JOBS\E2073A13\CIVIL 3D 2014\SHEETSPLAN\71 SHEETS\61901571-050101-PP.DWG
61901571 PLAN - 61901571-050142-PP

PLOT DATE : 9/22/2017 6:23 PM PLOT BY : ANDREW WESTBROOK PLOT NAME : PLOT SCALE : 1" = 40'_XREF

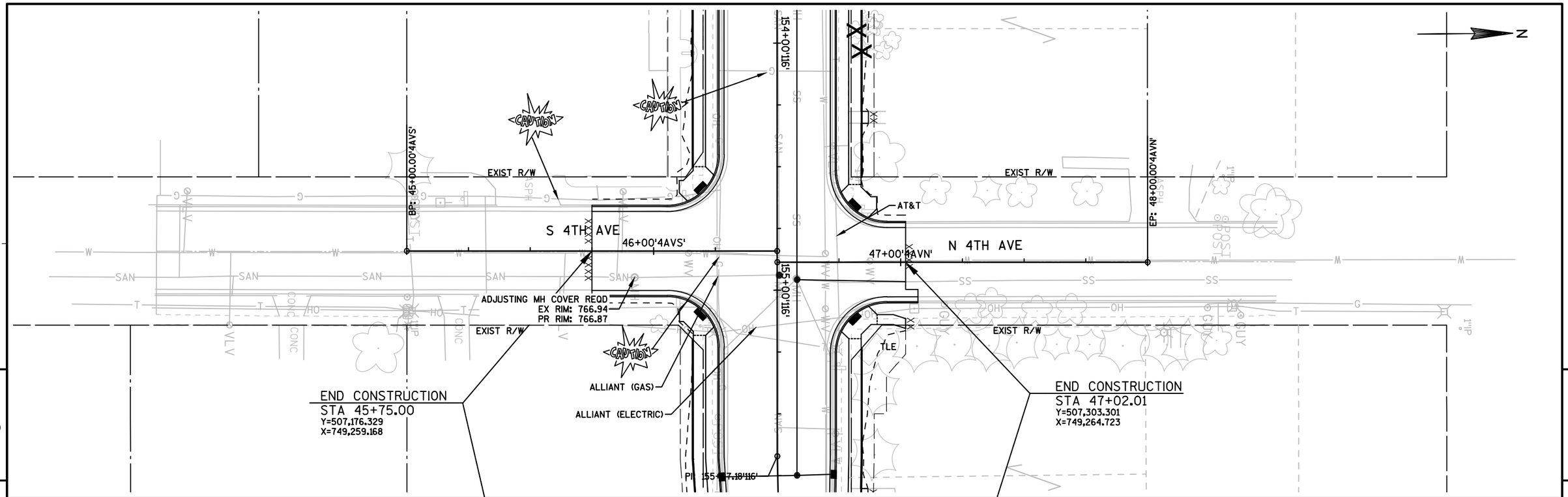
WISDOT/CADDS SHEET 44

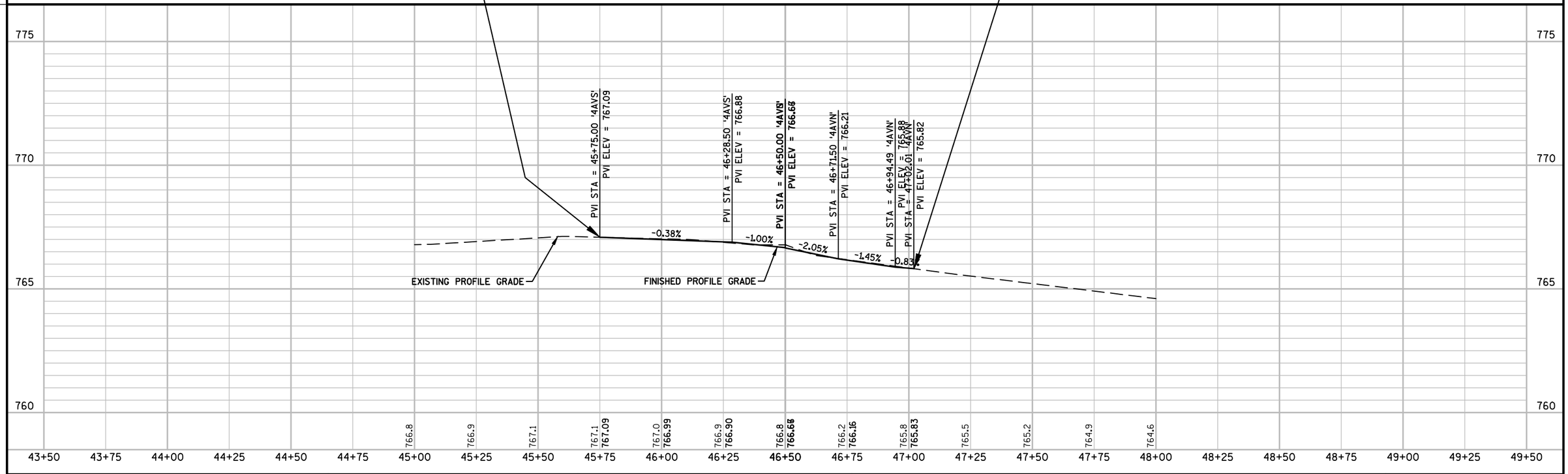




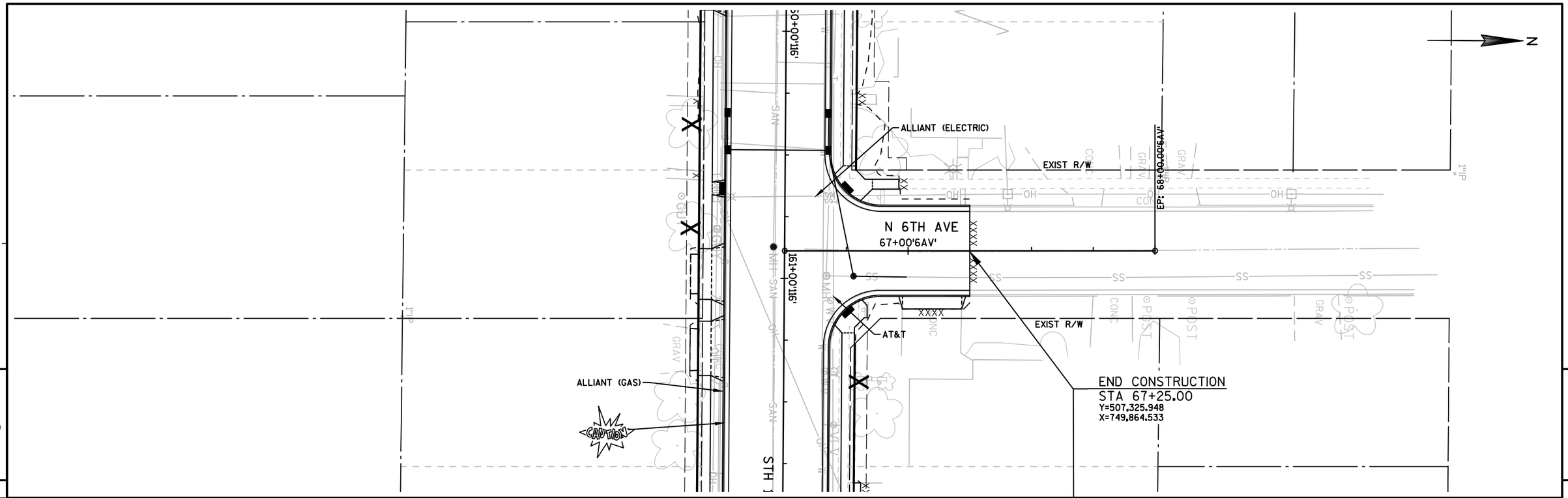
PROJECT NO: 6190-15-71	HWY: STH 116	COUNTY: WINNEBAGO	PLAN AND PROFILE: 3RD AVE	SHEET 208	E

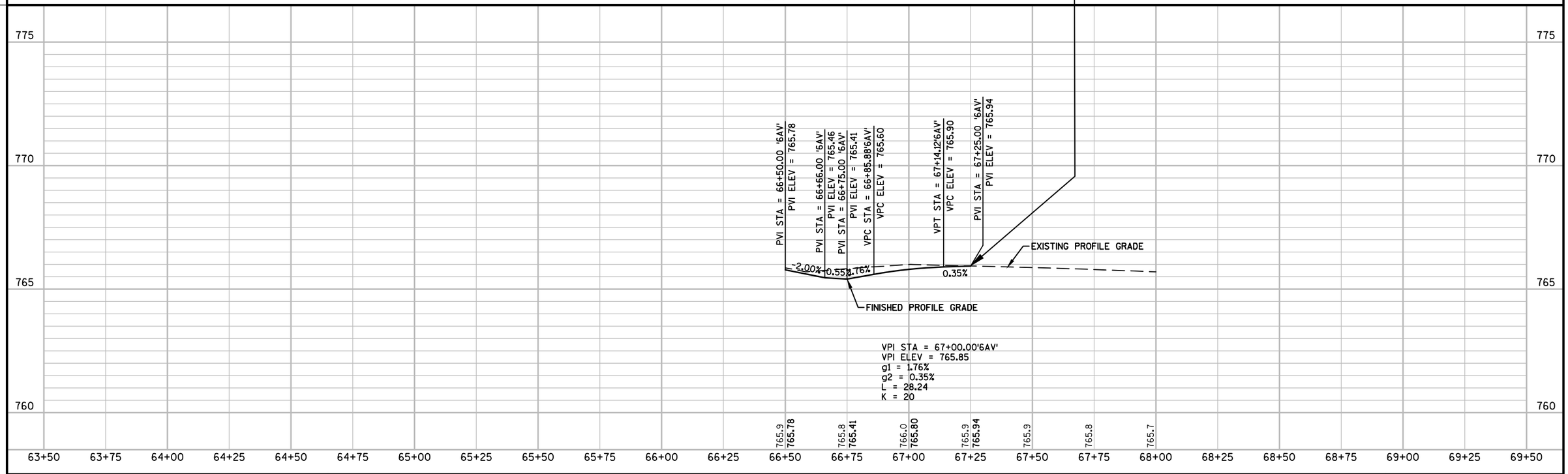
FILE NAME : F:\TR\JOBS\E2073A13\CIVIL 3D 2014\SHEETSPLAN\71 SHEETS\61901571-050101-PP.DWG
61901571 PLAN - 61901571-050150-PP
PLOT DATE : 9/22/2017 6:23 PM PLOT BY : ANDREW WESTBROOK PLOT NAME : PLOT SCALE : 1" = 40'_XREF
WISDOT/CADDS SHEET 44



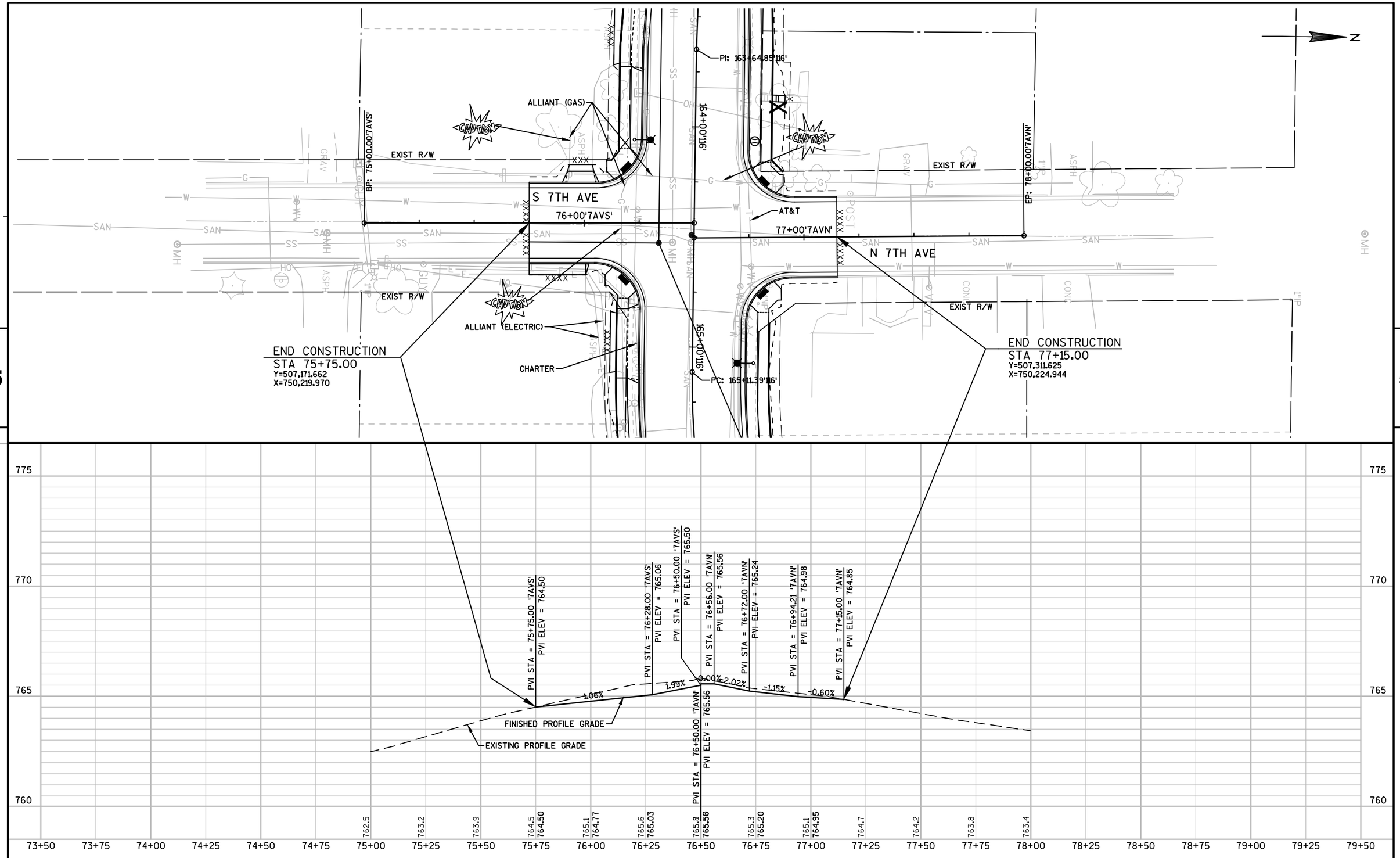


PROJECT NO: 6190-15-71	HWY: STH 116	COUNTY: WINNEBAGO	PLAN AND PROFILE: 4TH AVE	SHEET 209	E





PROJECT NO: 6190-15-71	HWY: STH 116	COUNTY: WINNEBAGO	PLAN AND PROFILE: 6TH AVE	SHEET 210	E

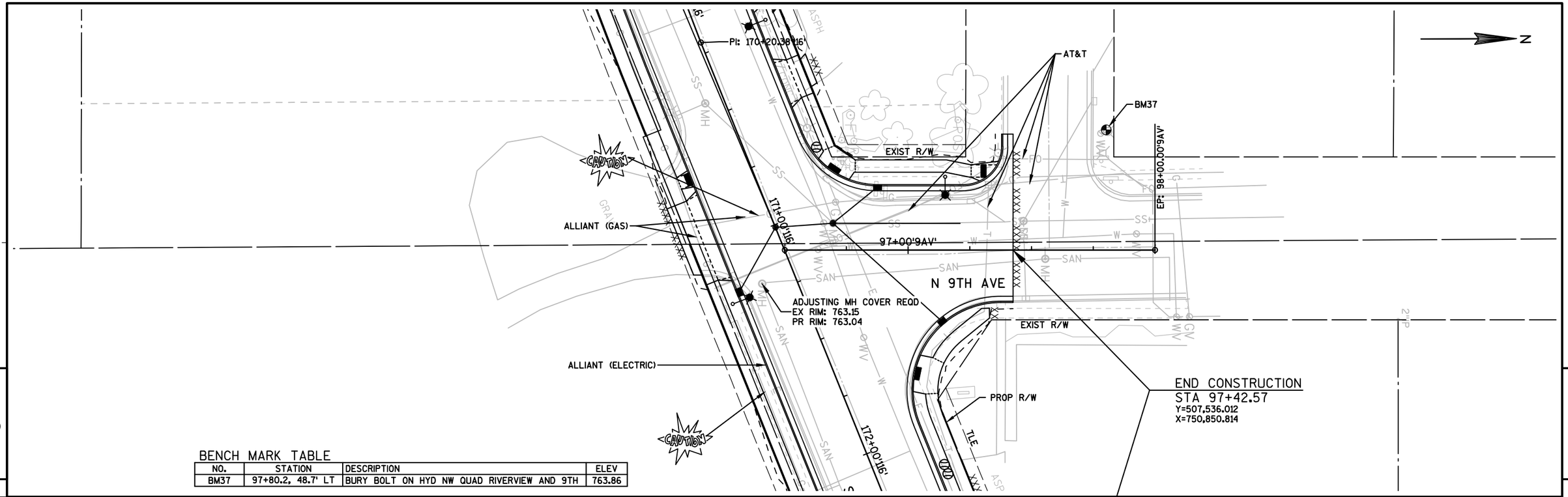


PROJECT NO: 6190-15-71	HWY: STH 116	COUNTY: WINNEBAGO	PLAN AND PROFILE: 7TH AVE	SHEET 211	E

FILE NAME : F:\TR\JOBS\E2073A13\CIVIL 3D 2014\SHEETSPLAN\71 SHEETS\61901571-050101-PP.DWG
61901571 PLAN - 61901571-050156-PP

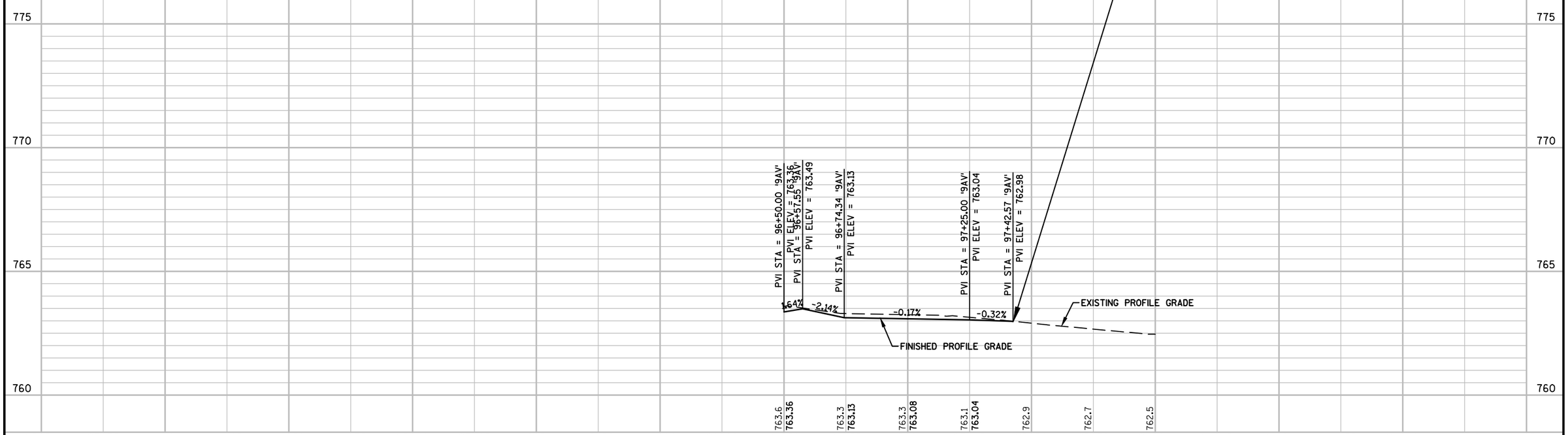
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WISDOT/CADDS SHEET 44

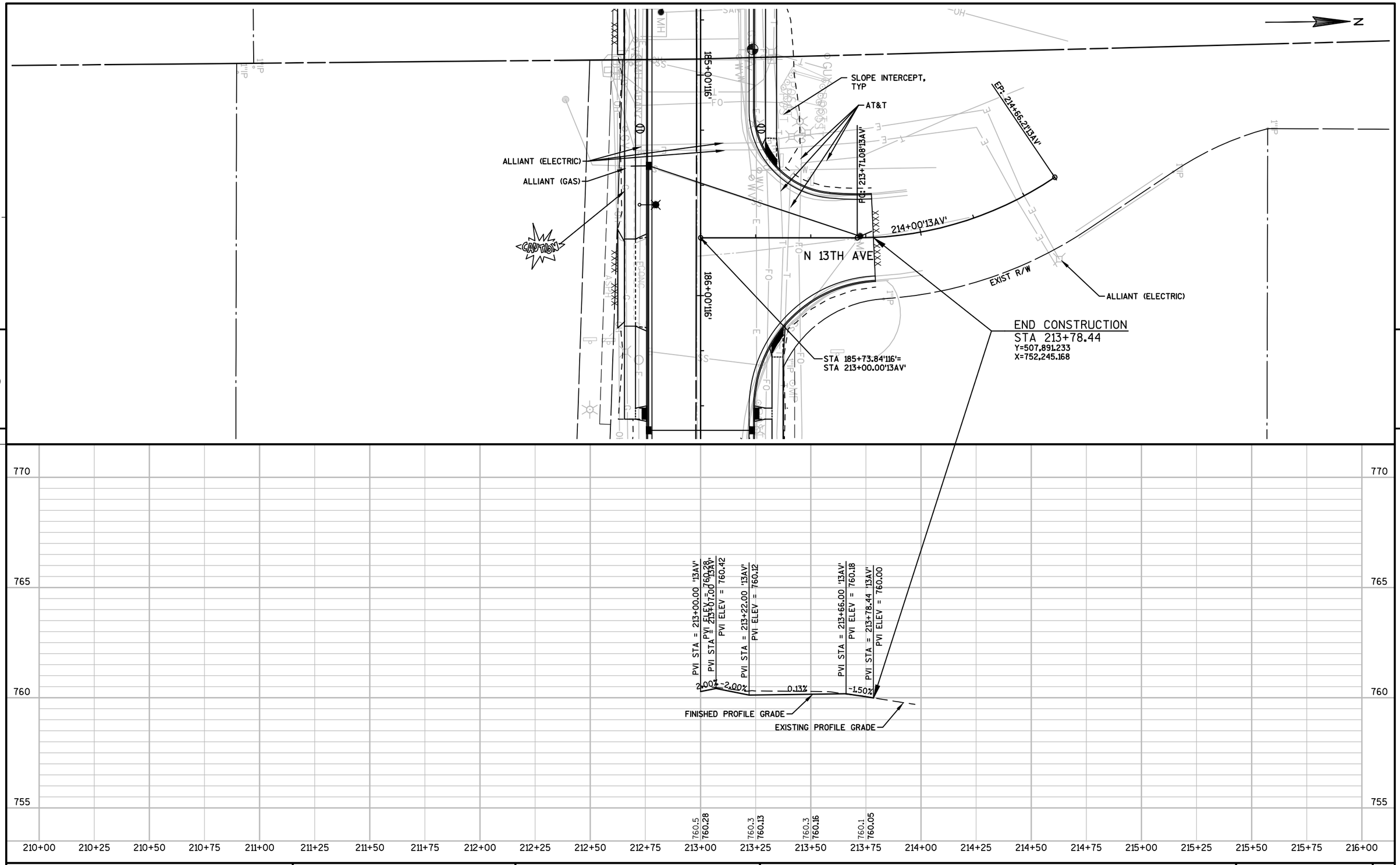


BENCH MARK TABLE

NO.	STATION	DESCRIPTION	ELEV
BM37	97+80.2, 48.7' LT	BURY BOLT ON HYD NW QUAD RIVERVIEW AND 9TH	763.86



PROJECT NO: 6190-15-71	HWY: STH 116	COUNTY: WINNEBAGO	PLAN AND PROFILE: 9TH AVE	SHEET 212	E

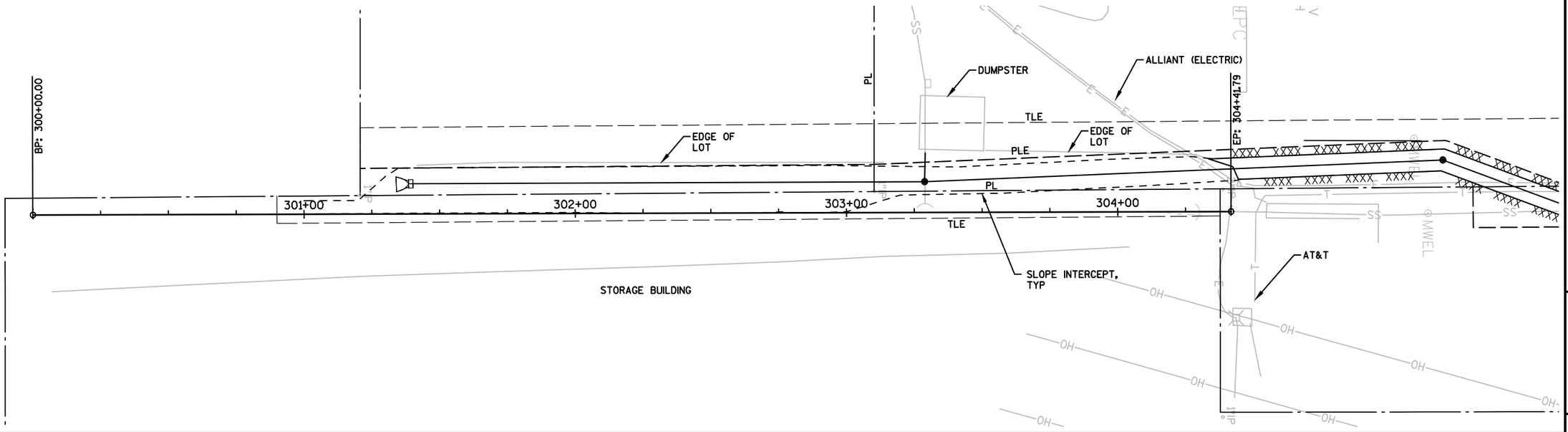


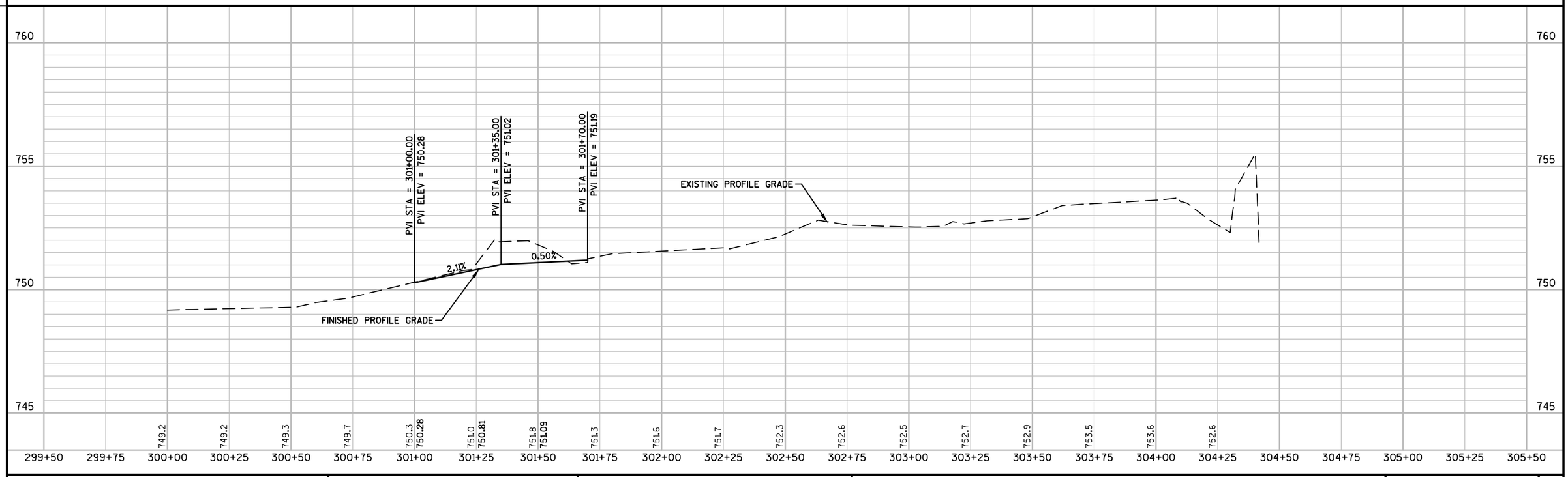
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61901571 PLAN - 61901571-050160-PP

PLOT DATE : 9/22/2017 6:25 PM PLOT BY : ANDREW WESTBROOK PLOT NAME : PLOT SCALE : 1" = 40'_XREF

WISDOT/CADDS SHEET 44





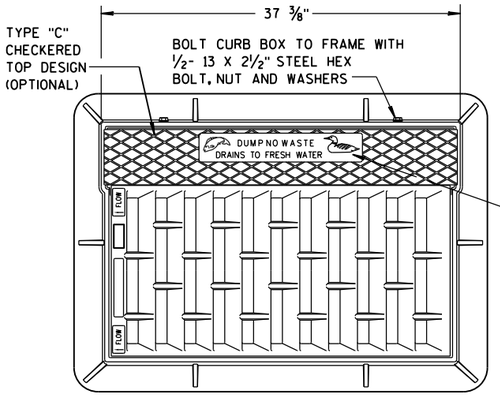
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FILE NAME : F:\TR\JOBS\E2073A13\CIVIL 3D 2014\SHEETSPLAN\71 SHEETS\61901571-050101-PP.DWG
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PLOT DATE : 9/22/2017 6:25 PM PLOT BY : ANDREW WESTBROOK PLOT NAME : PLOT SCALE : 1" = 40'_XREF
WISDOT/CADDS SHEET 44

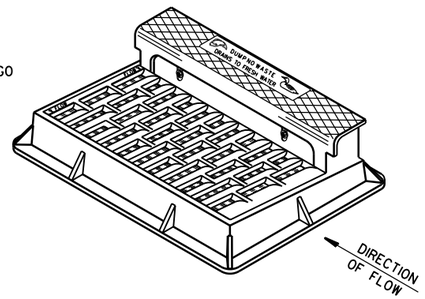
Standard Detail Drawing List

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
08A05-19D	INLET COVER TYPE BW, MANHOLE COVERS, TYPE K, J, J-S, L & M
08A08-02	CATCH BASINS 3-FT, 4-FT, 5-FT AND 6-FT DIAMETER
08A09-02	CATCH BASINS 2X3-FT AND 2.5X3-FT
08B09-02	MANHOLES 3-FT, 4-FT, 5-FT, 6-FT, 7-FT AND 8-FT DIAMETER
08C06-02	INLETS 3-FT AND 4-FT DIAMETER
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
08F01-11	APRON ENDWALLS FOR CULVERT PIPE
08F04-07	JOINT TIES FOR CONCRETE PIPE AND CONCRETE COLLAR DETAIL
09B02-10	CONDUIT
09B16-01	PULL BOX NON-CONDUCTIVE
09C02-07	CONCRETE BASES, TYPES 1, 2, 5, & 6
09C14-02	CONCRETE CONTROL CABINET BASE, TYPE L
09D01-05	CABINET SERVICE INSTALLATION (METER BREAKER PEDESTAL)
09D04-02	LIGHTING CONTROL CABINET 120/240 VOLT
09E03-05	NON-FREEWAY LIGHTING UNIT POLE WIRING
15C02-06A	BARRICADES AND SIGNS FOR MAINLINE CLOSURES
15C02-06B	BARRICADES AND SIGNS FOR MAINLINE CLOSURES
15C02-06C	DETOUR SIGNING FOR MAINLINE CLOSURES
15C03-03	BARRICADES AND SIGNS FOR SIDEROAD CLOSURES
15C04-03	TRAFFIC CONTROL, ADVANCE WARNING SIGNS 45 M.P.H. OR GREATER TWO-WAY UNDIVIDED ROAD OPEN TO TRAFFIC
15C05-03	TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 M.P.H. OR LESS
15C07-14B	PAVEMENT MARKING WORDS
15C07-14C	PAVEMENT MARKING ARROWS
15C07-14E	PAVEMENT MARKING FOR BIKE LANES
15C08-18A	LONGITUDINAL MARKING (MAINLINE)
15C08-18B	PAVEMENT MARKING (TURN LANES)
15C18-04	MEDIAN ISLAND MARKING
15C29-05A	BICYCLE LANE MARKING
15C33-02	STOP LINE AND CROSSWALK PAVEMENT MARKING
15D30-03A	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-03B	TRAFFIC CONTROL, TEMPORARY ADA COMPLIANT PEDESTRIAN ACCOMMODATION
15D30-03C	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

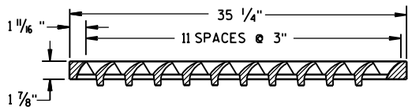
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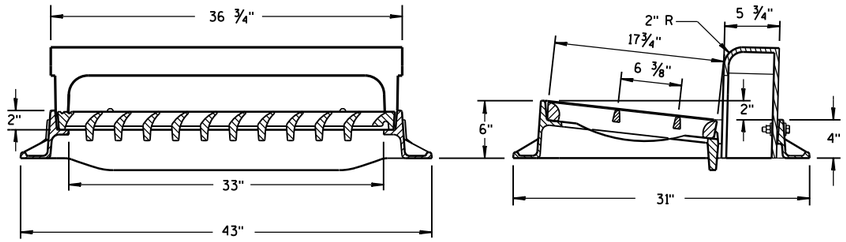


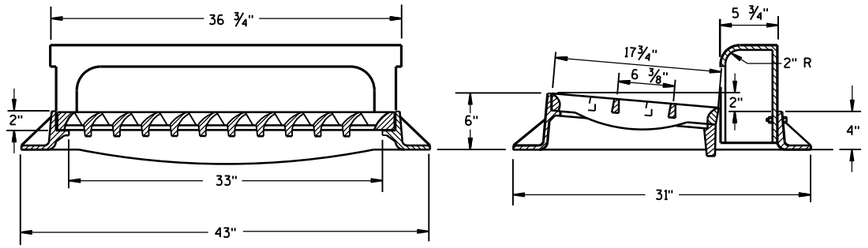
NOTE:
GRATE IS REVERSIBLE.



NOTE: CURB BOX HEIGHT ADJUSTABLE 6" TO 9"

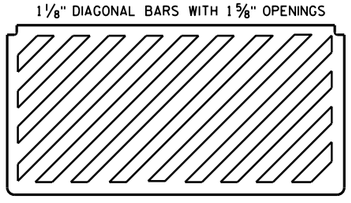






TYPE "H"

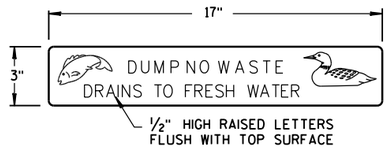
NOTE: EITHER CASTING IS ACCEPTABLE



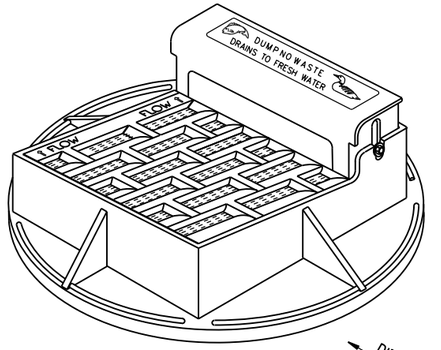
SPECIAL GRATE FOR TYPE "H" COVER

(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"

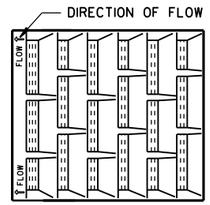
NOTE:
GRATE IS REVERSIBLE.

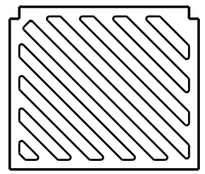
GENERAL NOTES

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.

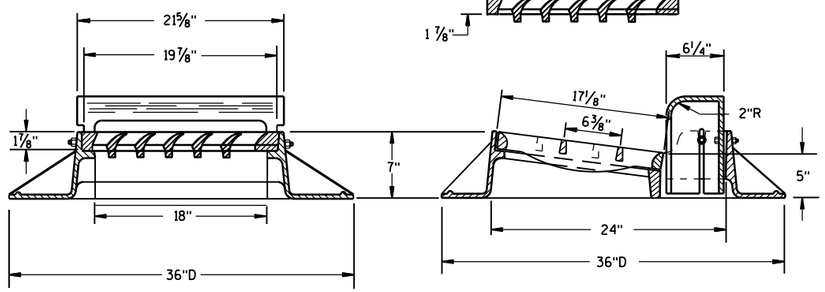




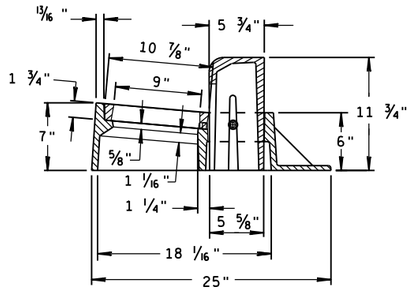
SPECIAL GRATE FOR TYPE "A" COVER

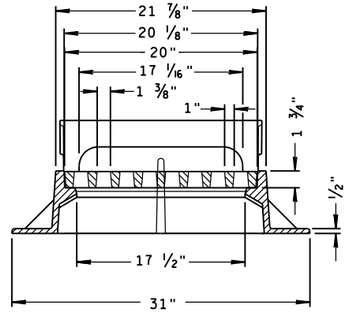
(MEASURES 19 3/4" X 17" X 1 7/8")

(NOTED AS TYPE A-S ON DRAINAGE TABLE)

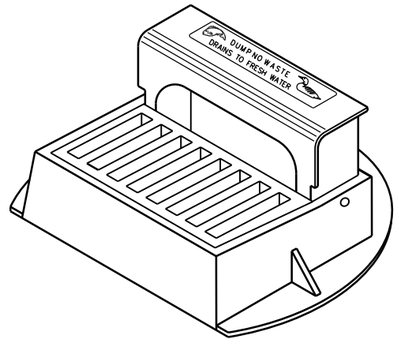


TYPE "A"





TYPE "Z"



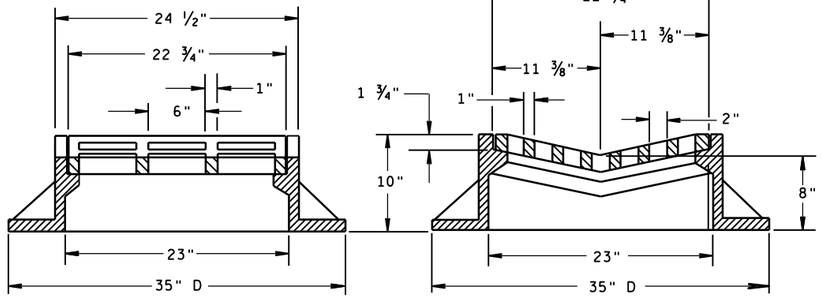
INLET COVERS
TYPE A, H, A-S, H-S & Z

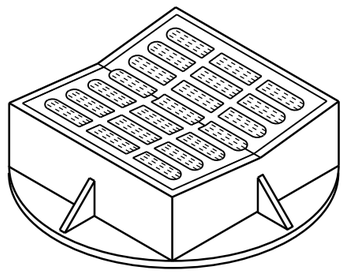
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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

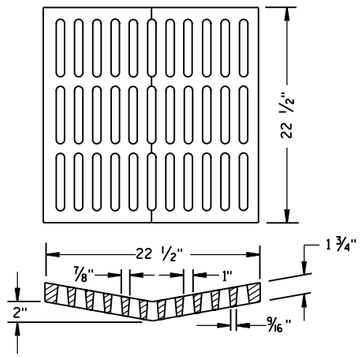
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S.D.D. 8 A 5-19a



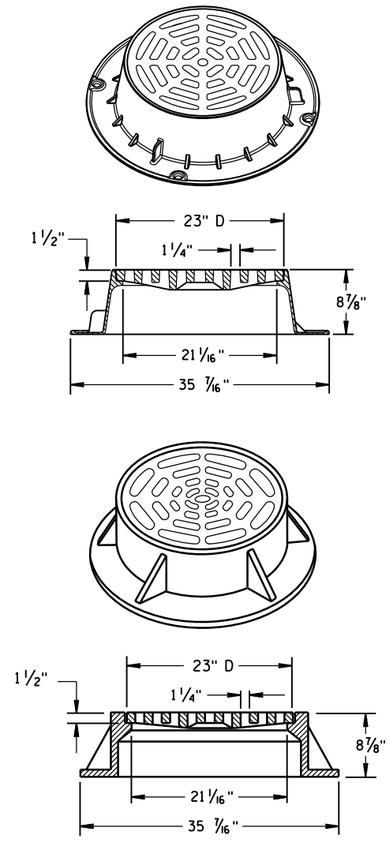


TYPE "B"



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"

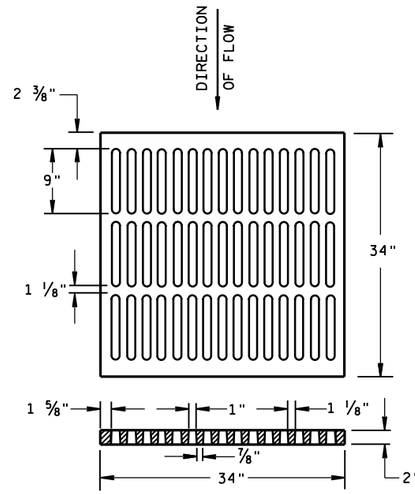
NOTE: EITHER CASTING IS ACCEPTABLE

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.

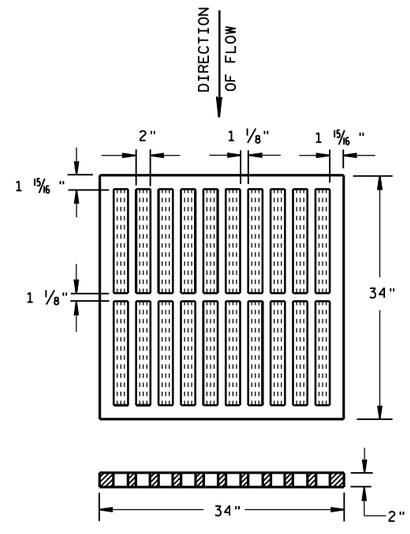
DETAIL DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR CATCH BASIN, MANHOLE AND INLET COVERS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

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



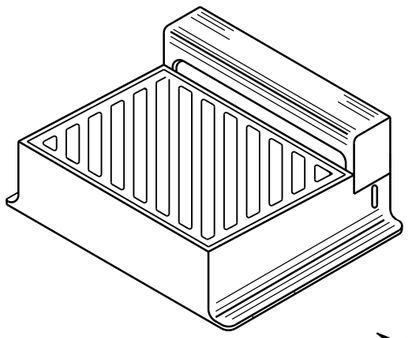
ALTERNATIVE TYPE "MS"

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

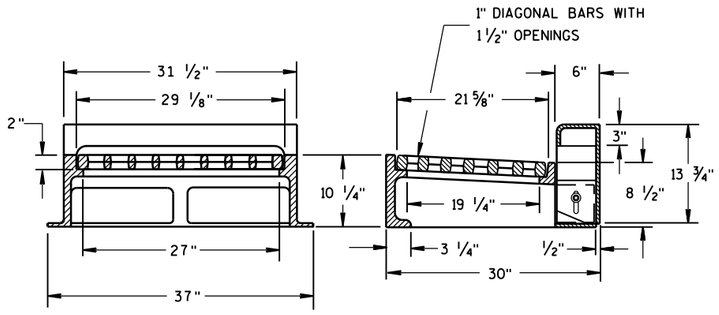


TYPE "MS"

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"

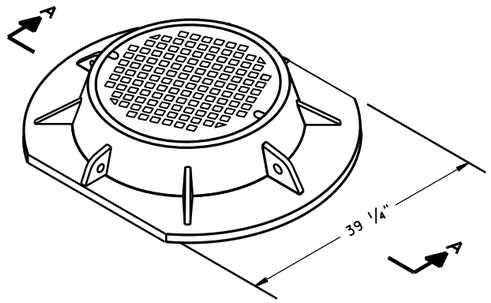
INLET COVERS
TYPE B, B-A, C, MS, MS-A, & WM

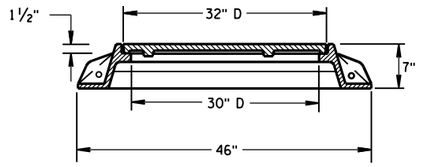
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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

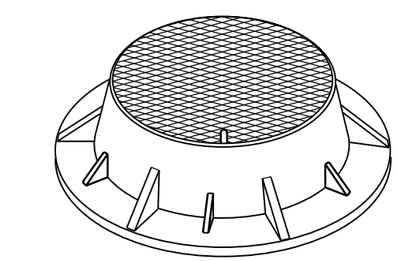
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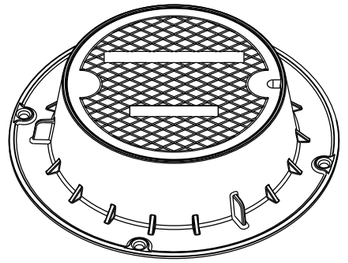
S.D.D. 8 A 5-19b

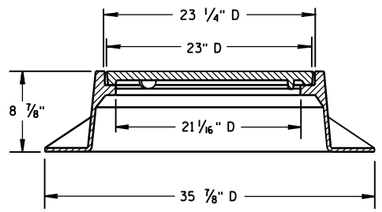


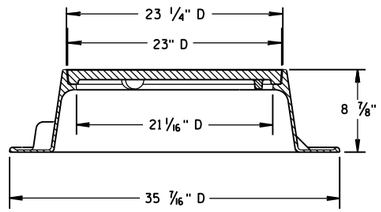


SECTION A-A
TYPE "K"









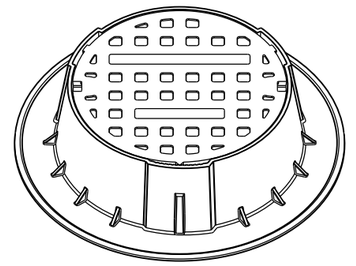
TYPE "J"
NOTE: EITHER CASTING IS ACCEPTABLE

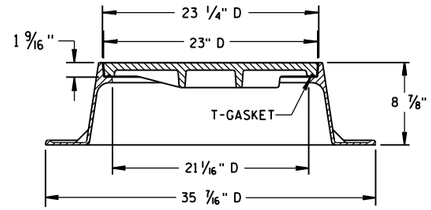
GENERAL NOTES

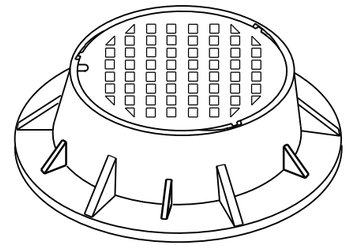
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

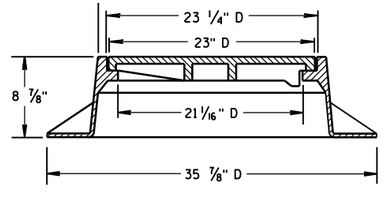
DETAIL DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR MANHOLE COVERS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

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

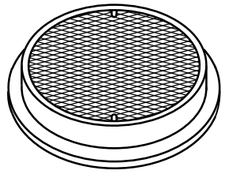


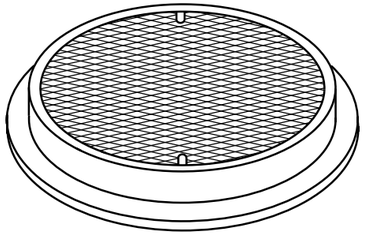


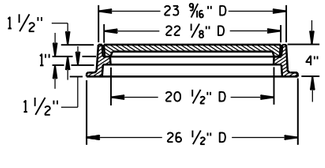




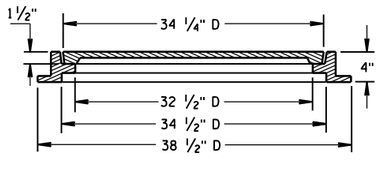
TYPE "J" SPECIAL
TYPE "B" NON-ROCKING SELF-SEAL LID
(NOTED AS TYPE J-S ON THE DRAINAGE TABLE)
NOTE: EITHER CASTING IS ACCEPTABLE



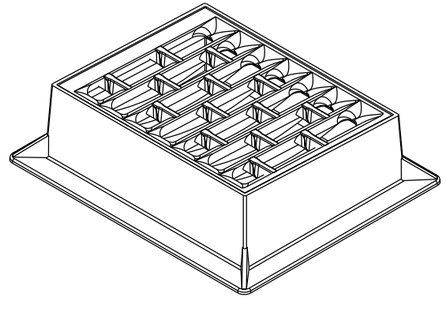


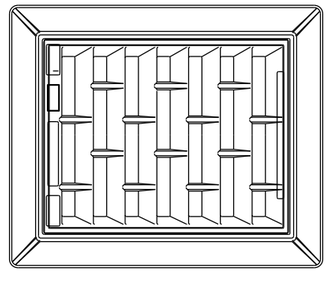


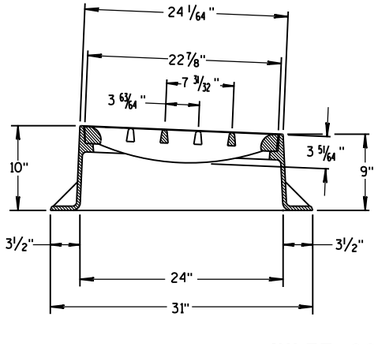
TYPE "L"

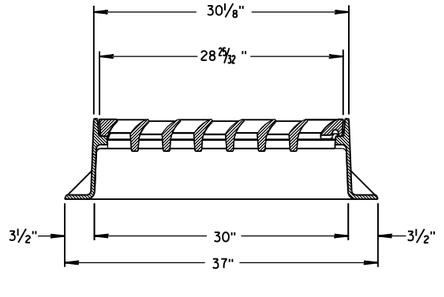


TYPE "M"









INLET COVER TYPE "BW"

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

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
11/27/2013
DATE
FHWA

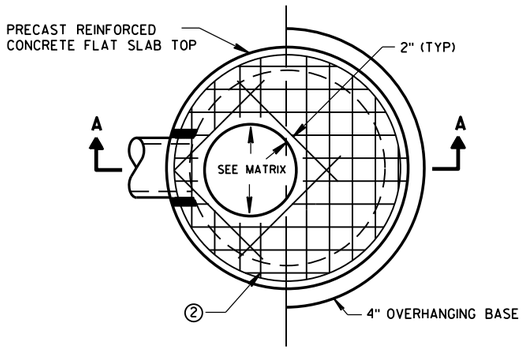
/S/ Jerry H. Zogg
ROADWAY STANDARDS DEVELOPMENT ENGINEER

6

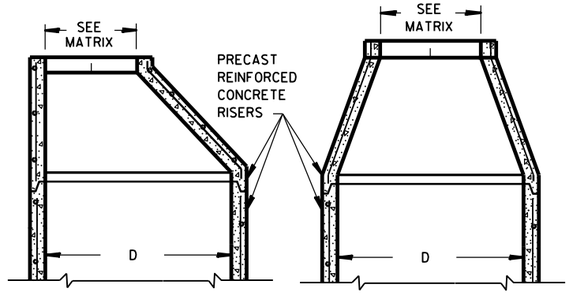
S.D.D. 8 A 5-19d

6

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

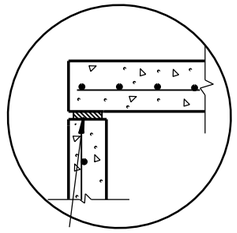


PLAN VIEW CIRCULAR OPENING

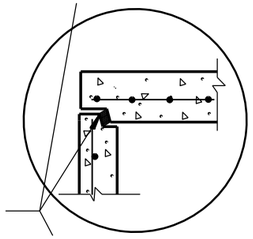


OPTIONAL PRECAST REINFORCED CONCRETE ECCENTRIC TOP

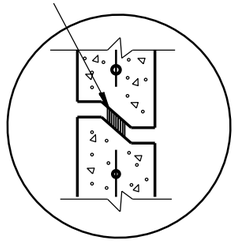
OPTIONAL PRECAST REINFORCED CONCRETE CONCENTRIC TOP



TOP WITH PLAIN END JOINT

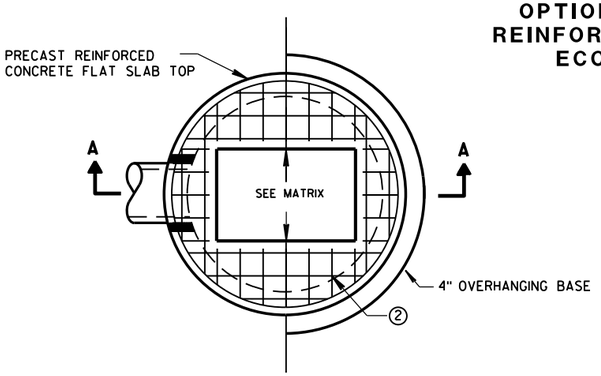


TOP WITH TONGUE AND GROOVE JOINT

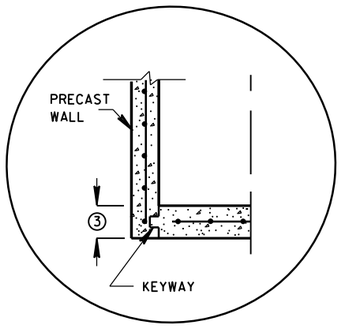


RISER WITH TONGUE AND GROOVE JOINT

DETAIL "B"

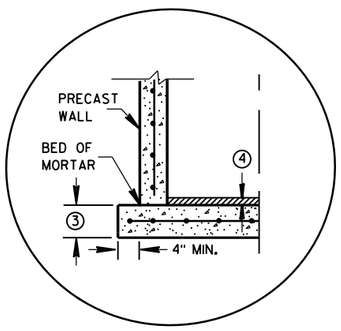


PLAN VIEW RECTANGULAR OPENING



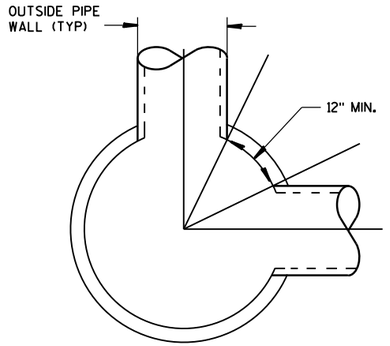
PRECAST REINFORCED CONCRETE WITH INTEGRAL BASE OPTION

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

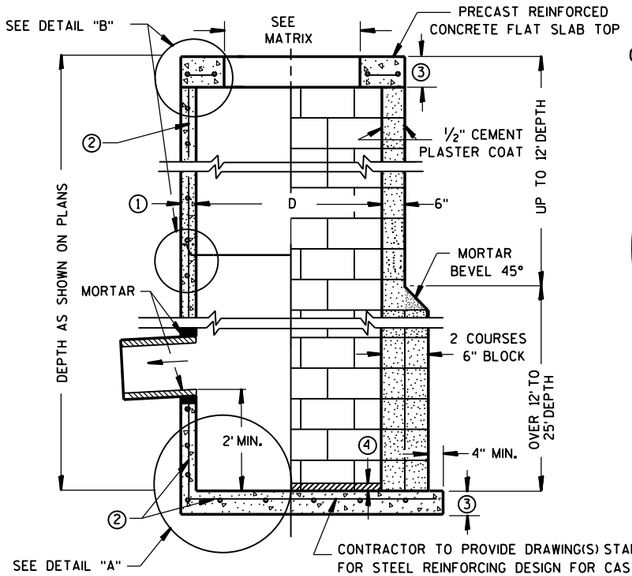


SEPARATE PRECAST REINFORCED CONCRETE BASE OPTION

DETAIL "A"



DETAIL "C"



SECTION A-A

PRECAST REINFORCED CONCRETE WITH MONOLITHIC BASE

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

GENERAL NOTES

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

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

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

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

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

PRECAST REINFORCED CONCRETE CONE TOPS (ECCENTRIC OR CONCENTRIC) OR PRECAST REINFORCED CONCRETE FLAT SLAB TOPS MAY BE USED ON CONCRETE BLOCK STRUCTURES.

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 INCH AND MEET THE REQUIREMENTS OF ASTM A615.

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

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

ALL PRECAST INLET UNITS SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF AASHTO DESIGNATION M199.

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

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

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

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

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

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

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

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

CATCH BASIN COVER OPENING MATRIX

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

PIPE MATRIX

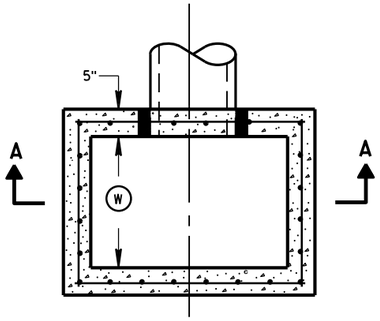
CATCH BASIN SIZE	MAXIMUM INSIDE PIPE DIAMETER FOR TWO PIPES	
	180° SEPARATION (IN)	90° SEPARATION (IN)
3-FT	15	12
4-FT	24	18
5-FT	36	24
6-FT	42	30

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

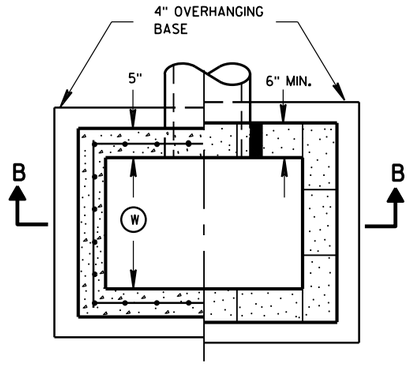
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept., 2016 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS UNIT SUPERVISOR
FHWA

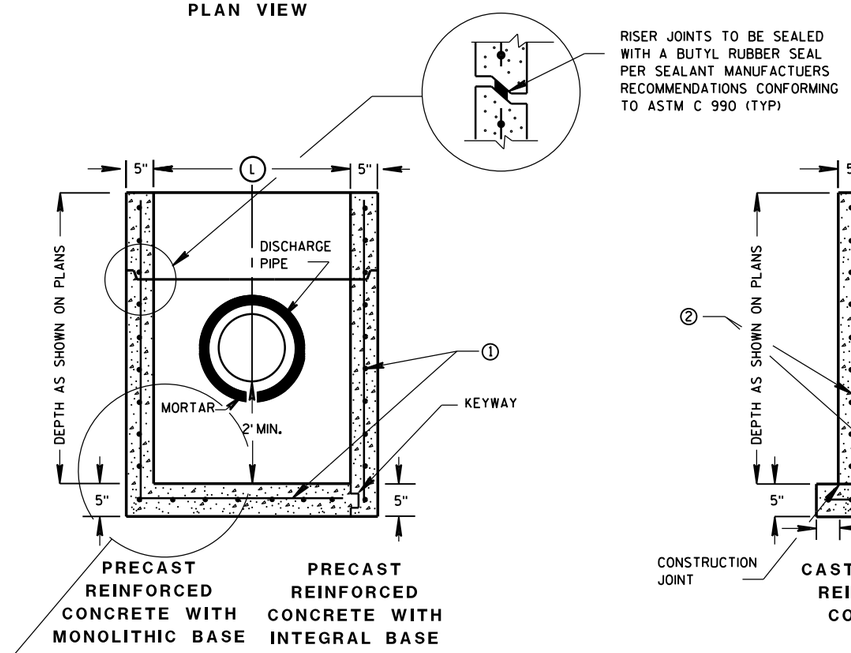
S.D.D. 8 A 8-2
6
6



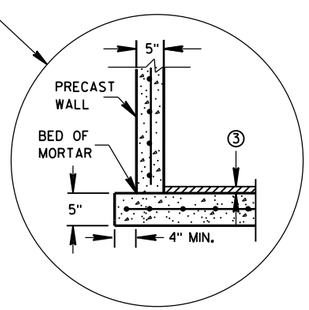
PLAN VIEW



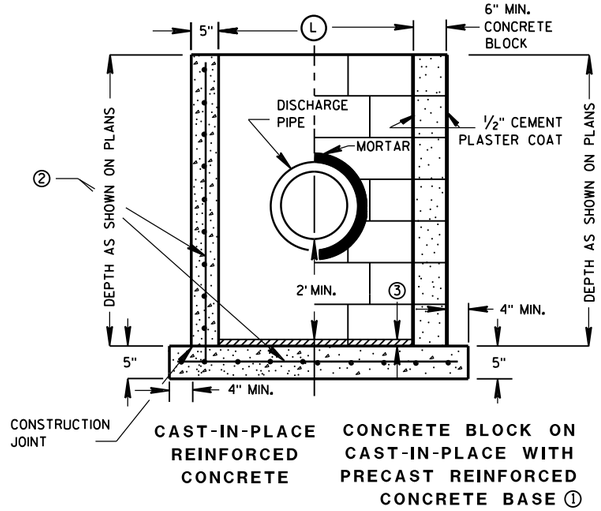
PLAN VIEW



SECTION A-A



SEPARATE PRECAST REINFORCED CONCRETE BASE OPTION



SECTION B-B

GENERAL NOTES

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

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

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

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

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

BASES SHALL BE PLACED ON A BED OF MATERIAL AT LEAST 6 INCHES IN DEPTH, WHICH MEETS THE REQUIREMENTS OF 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" CLEARANCE ON EACH SIDE OF THE OUTSIDE WALL OF THE PIPE. SEE DETAIL "A". ASSUMES PIPE ENTERS PERPENDICULAR TO THE STRUCTURE.

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

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

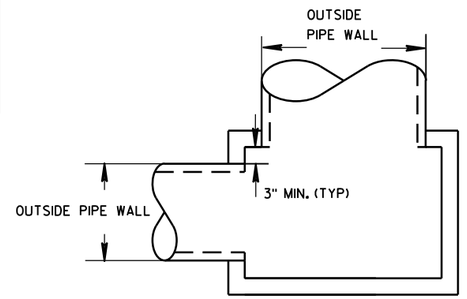
③ 1" CONCRETE KEY POURED AFTER INSTALLATION. 2' SUMP MEASURED FROM TOP OF KEY.

CATCH BASIN COVER MATRIX

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

PIPE MATRIX

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



DETAIL "A"

CATCH BASINS 2X3-FT AND 2.5X3-FT

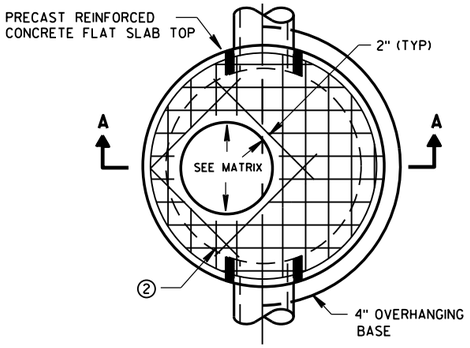
CATCH BASINS 2X3-FT AND 2.5X3-FT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

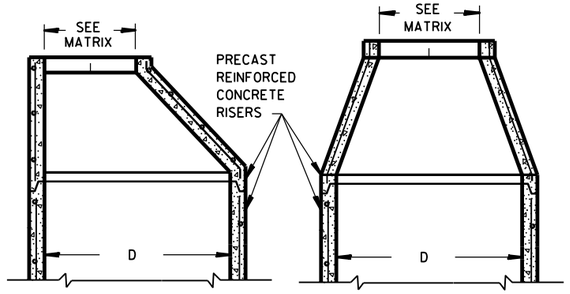
APPROVED
Sept., 2016 — DATE
/S/ Rodney Taylor
ROADWAY STANDARDS UNIT SUPERVISOR
FHWA

6

S.D.D. 8 A 9-2

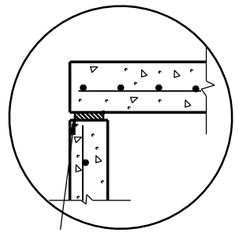


PLAN VIEW CIRCULAR OPENING

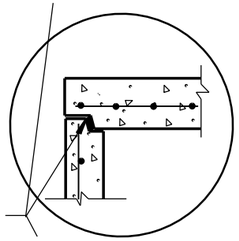


OPTIONAL PRECAST REINFORCED CONCRETE ECCENTRIC TOP

OPTIONAL PRECAST REINFORCED CONCRETE CONCENTRIC TOP

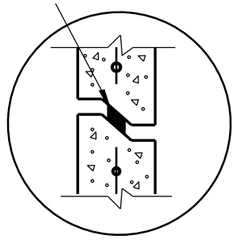


TOP WITH PLAIN END JOINT



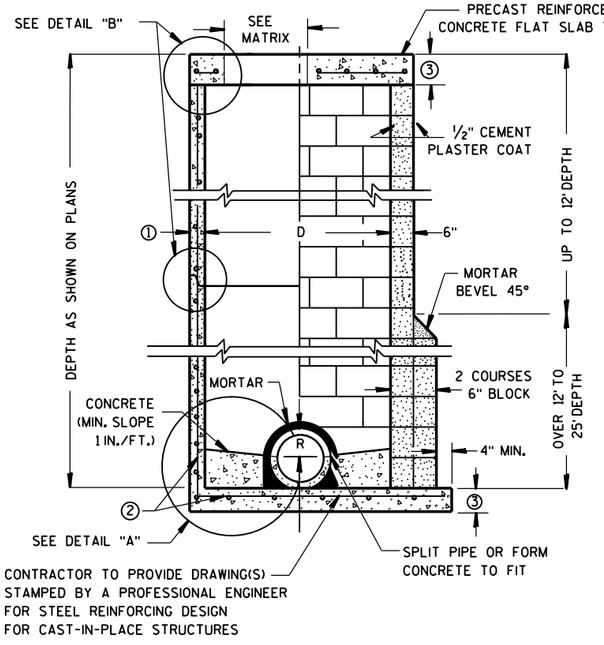
JOINTS TO BE SEALED WITH A BUTYL RUBBER SEAL PER SEALANT MANUFACTURERS RECOMMENDATIONS CONFORMING TO ASTM C990 (TYP)

TOP WITH TONGUE AND GROOVE JOINT



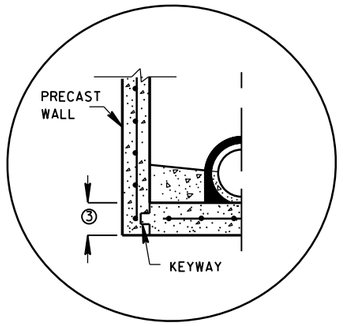
RISER WITH TONGUE AND GROOVE JOINT

DETAIL "B"

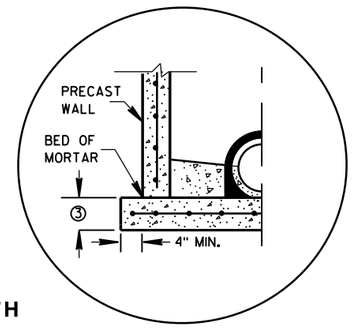


PRECAST REINFORCED CONCRETE WITH MONOLITHIC BASE

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

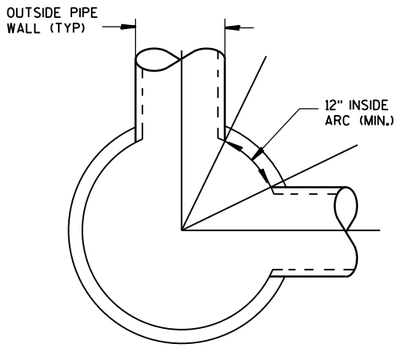


PRECAST REINFORCED CONCRETE WITH INTEGRAL BASE OPTION



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

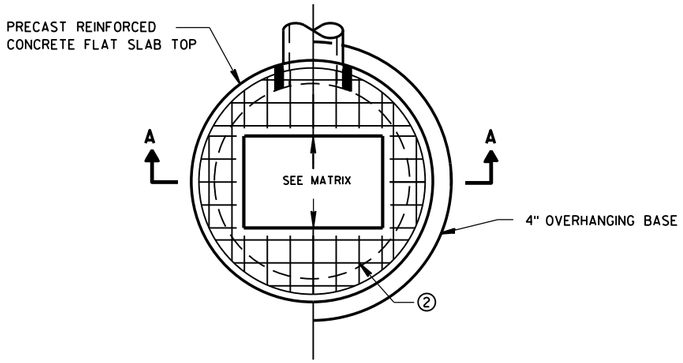
APPROVED

Sept., 2016
DATE

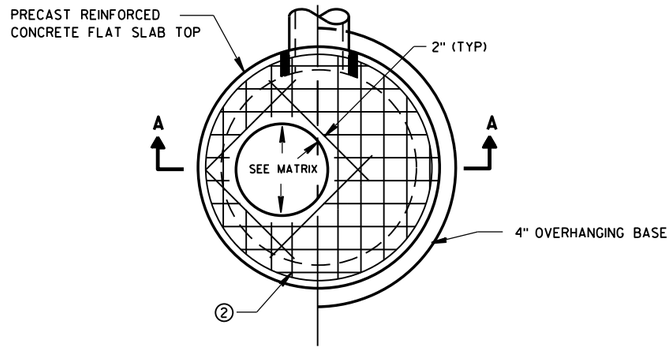
/S/ Rodney Taylor
ROADWAY STANDARDS DEVELOPMENT
UNIT SUPERV

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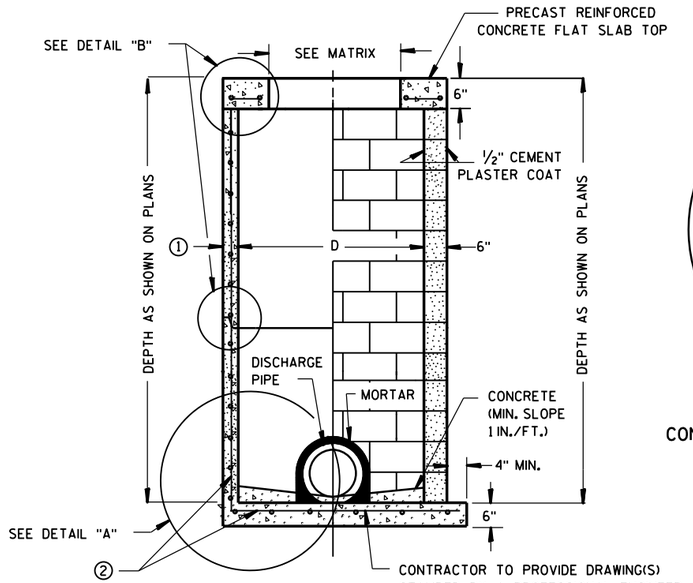
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S.D.D. 8 B 9-2



PLAN VIEW RECTANGULAR OPENING



PLAN VIEW CIRCULAR OPENING

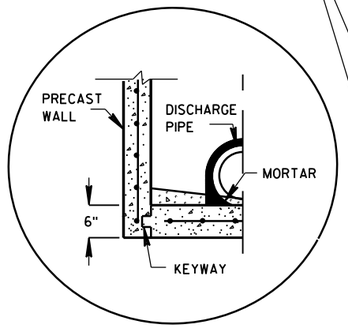


SECTION A-A

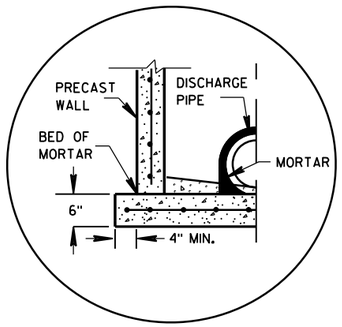
PRECAST REINFORCED CONCRETE WITH MONOLITHIC BASE

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

CIRCULAR INLETS W/ FLAT TOP

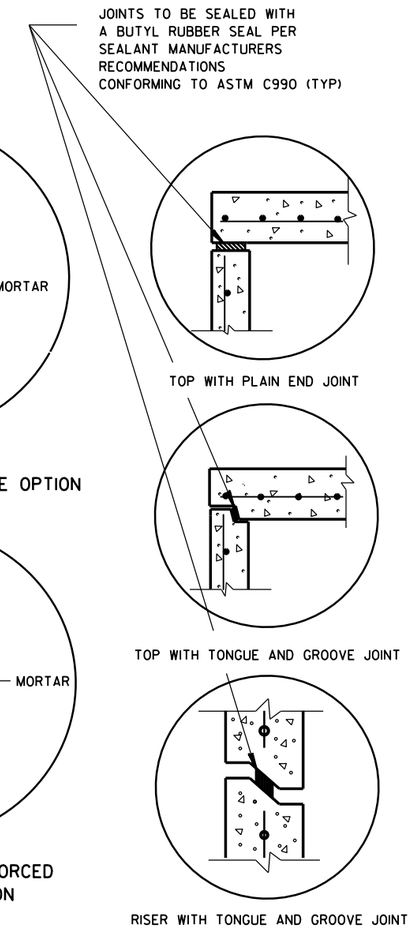


PRECAST REINFORCED CONCRETE WITH INTEGRAL BASE OPTION



SEPARATE PRECAST REINFORCED CONCRETE BASE OPTION

DETAIL "A"



DETAIL "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.

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

ALL PRECAST INLET UNITS SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF AASHTO DESIGNATION M199.

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

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.

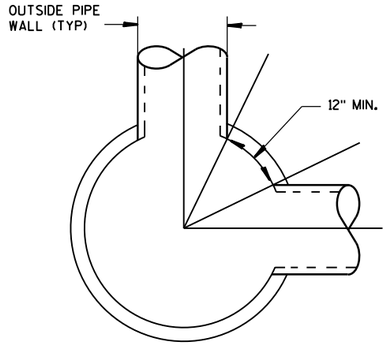
FOR ADDITIONAL CONFIGURATIONS, MAINTAIN A MINIMUM OF 12 INCHES AS MEASURED FROM THE INSIDE OF THE STRUCTURE WALL BETWEEN THE OUTSIDE PIPE WALLS OF ADJACENT PIPES. SEE DETAIL "C".

① MINIMUM WALL THICKNESS SHALL BE 4-IN FOR 3-FT DIAMETER AND 5-IN FOR 4-FT DIAMETER PRECAST INLETS.

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

INLET COVER OPENING MATRIX

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



DETAIL "C"

PIPE MATRIX

INLET SIZE	MAXIMUM INSIDE PIPE DIAMETER FOR TWO PIPES	
	180° SEPARATION (IN)	90° SEPARATION (IN)
3-FT	15	12
4-FT	24	18

INLETS 3-FT AND 4-FT DIAMETER

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

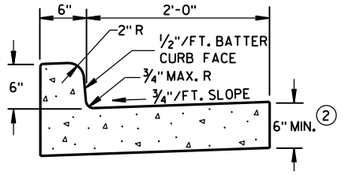
APPROVED
Sept., 2016 — /S/ Rodney Taylor
DATE — ROADWAY STANDARDS | UNIT SUPERVI ENT
FHWA

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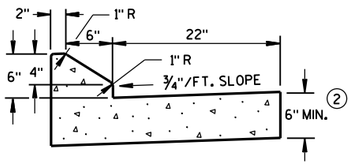
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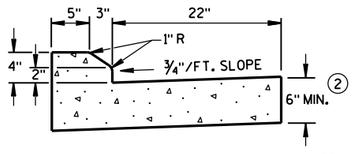
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TYPES A & D ①

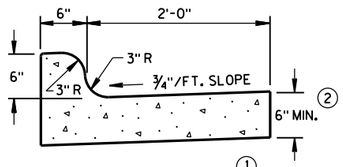


6" SLOPED CURB TYPES G & J ①

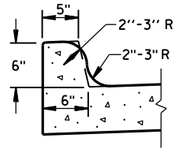


4" SLOPED CURB TYPES G & J ①

CONCRETE CURB & GUTTER 30"

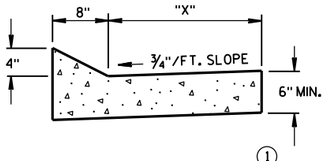


TYPES K & L ①



OPTIONAL CURB SHAPE FOR TYPES K & L ①

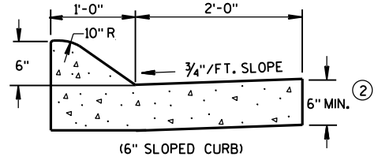
CONCRETE CURB & GUTTER 30"



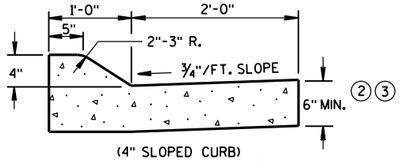
TYPES TBT & TBTT ①

CONCRETE CURB & GUTTER

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

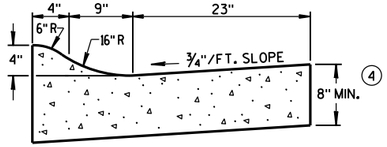


(6" SLOPED CURB)



(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.

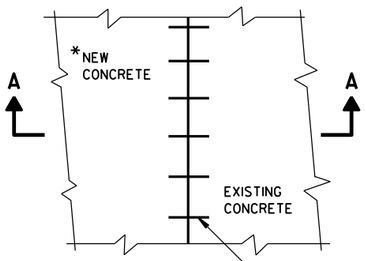
② THE BOTTOM OF CURB AND GUTTER MAY BE CONSTRUCTED EITHER LEVEL OR PARALLEL TO THE SLOPE OF THE SUBGRADE OR BASE AGGREGATE PROVIDED A 6" MINIMUM GUTTER THICKNESS IS MAINTAINED.

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.

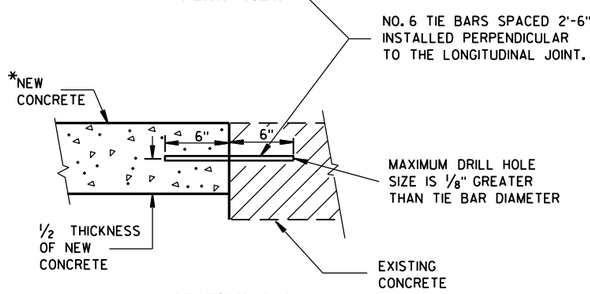
⑤ THE FACE OF CURB IS 6" FROM THE BACK OF CURB.

⑥ WHEN REVERSE SLOPE GUTTER IS REQUIRED, THE LOCATION(S) WILL BE SHOWN ELSEWHERE IN THE PLAN.



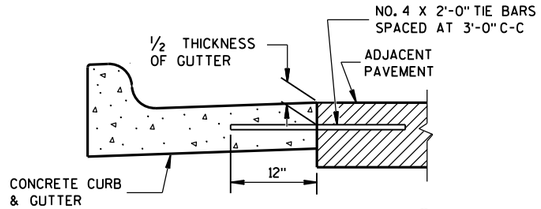
PLAN VIEW

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

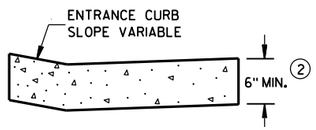


SECTION A-A

TIE BARS DRILLED INTO EXISTING PAVEMENT

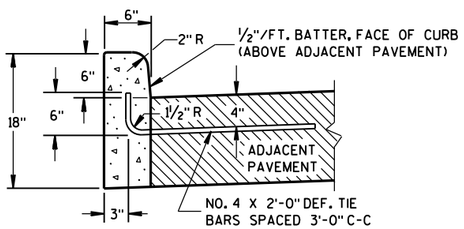


TYPICAL TIE BAR LOCATION ①

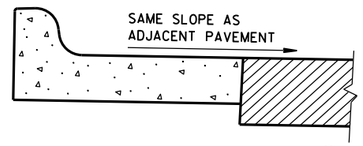


DRIVEWAY ENTRANCE CURB

(WHEN DIRECTED BY THE ENGINEER)

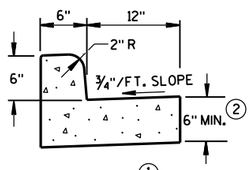


① TYPES A & D



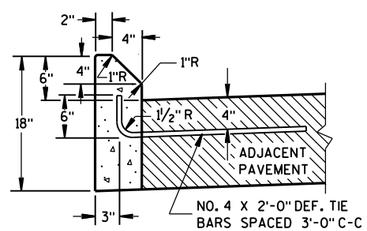
⑥ REVERSE SLOPE GUTTER

(TYPICAL FOR ALL CURB & GUTTER TYPES)



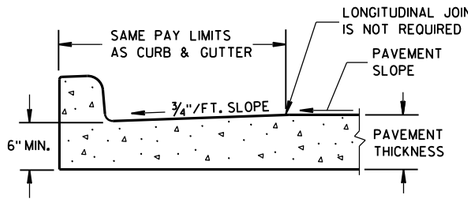
① TYPES A & D

CONCRETE CURB & GUTTER 18"

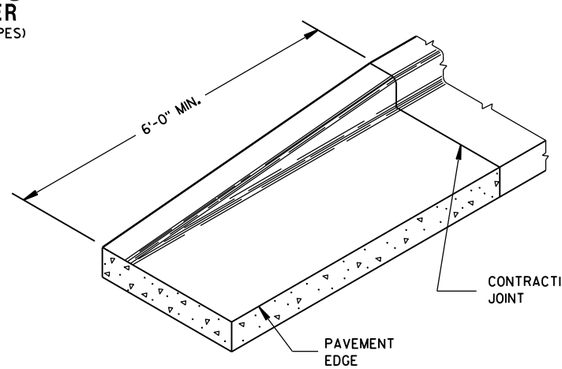


① TYPES G & J

CONCRETE CURB



PARTIAL SECTION OF PAVEMENT WITH INTEGRAL CURB & GUTTER



END SECTION CURB & GUTTER

CONCRETE CURB, CONCRETE CURB & GUTTER AND TIES

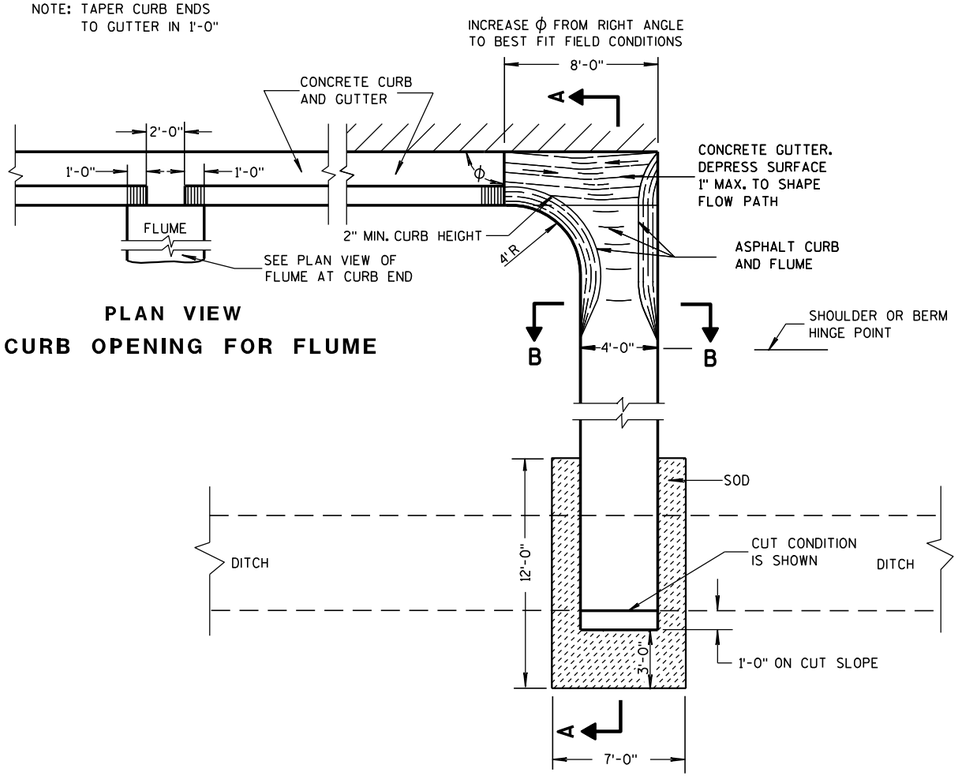
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June, 2016 — DATE
/S/ Jerry H. Zogg — ROADWAY STANDARDS DEVELOPMENT ENGINEER
FHWA

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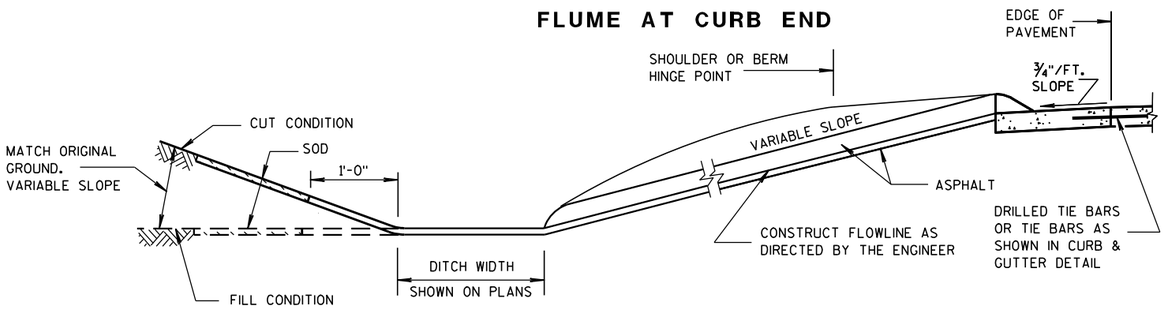
S.D.D. 8 D 1-19

ASPHALTIC FLUME

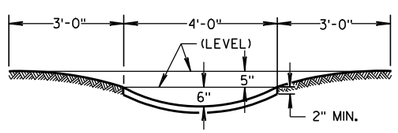


PLAN VIEW
CURB OPENING FOR FLUME

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.

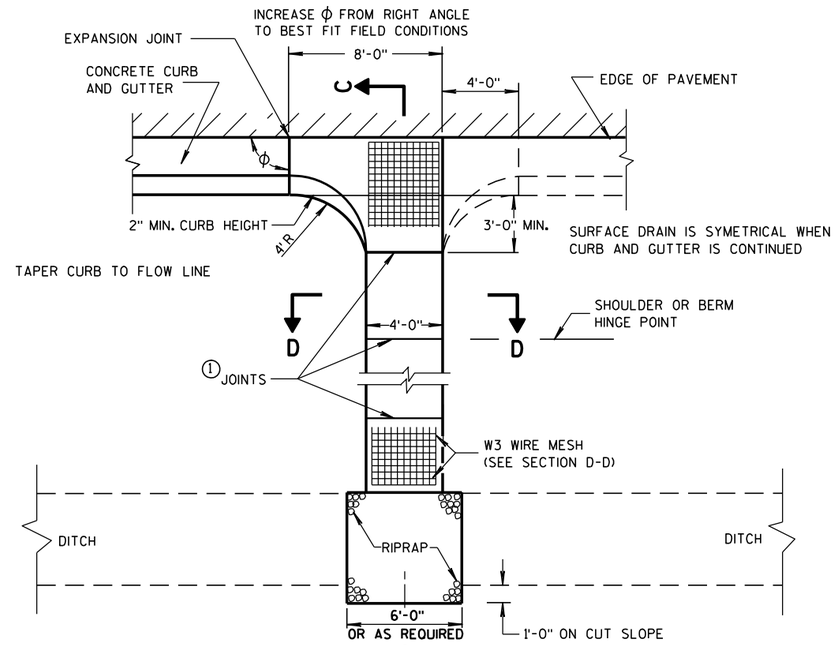
WELDED STEEL WIRE FABRIC SHALL BE IN ACCORDANCE WITH AASHTO SPECIFICATION M55.

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.

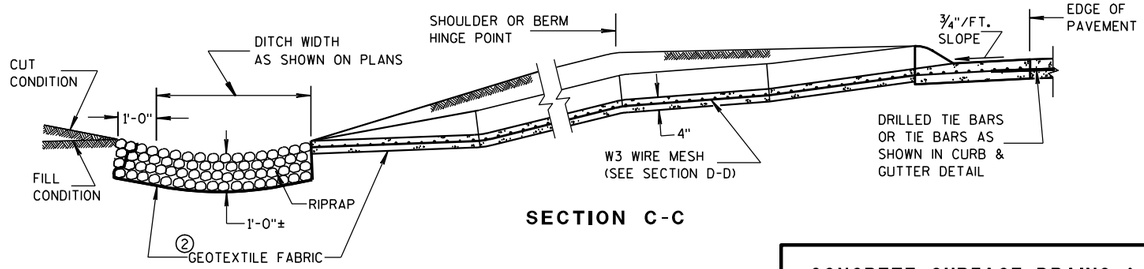
② GEOTEXTILE FABRIC TYPE "R" SHALL UNDERLAY THE FULL LENGTH AND WIDTH OF THE CONCRETE SURFACE DRAIN AND RIPRAP.

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

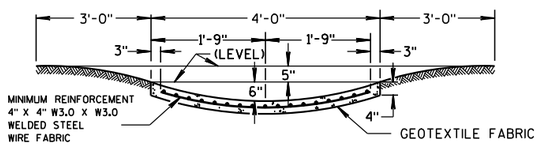
③ CONCRETE SURFACE DRAIN



PLAN VIEW



SECTION C-C



SECTION D-D

CONCRETE SURFACE DRAINS & ASPHALTIC FLUMES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

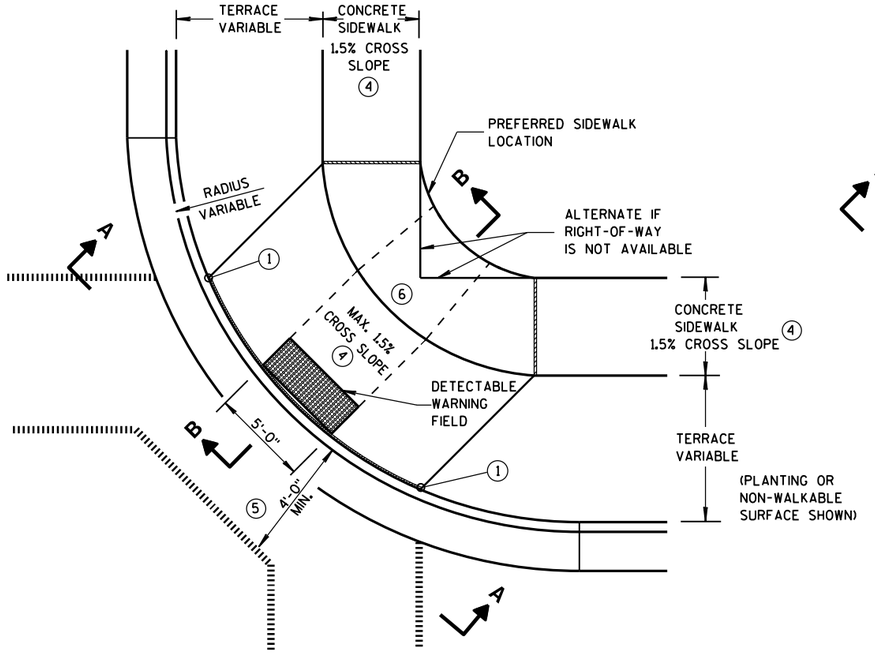
APPROVED
9-4-08 DATE
/S/ Jerry H. Zogg
ROADWAY STANDARDS ENGINEER
MENT
FHWA

6

S.D.D. 8 D 4-5

6

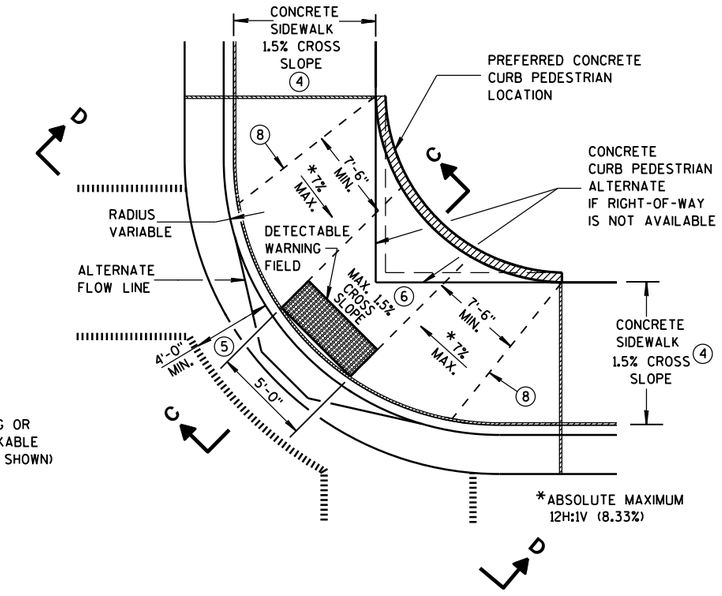
S.D.D. 8 D 4-5



PLAN VIEW

TYPE 1 RAMP

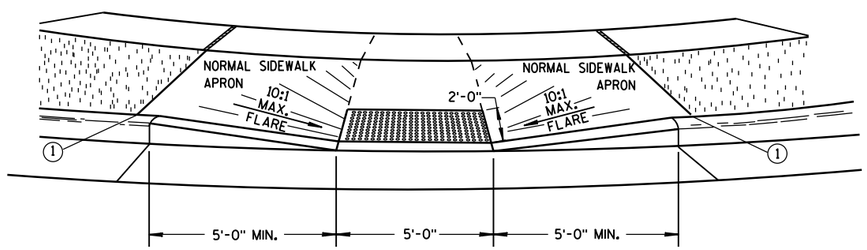
(CENTER OF CORNER RADIUS)



PLAN VIEW

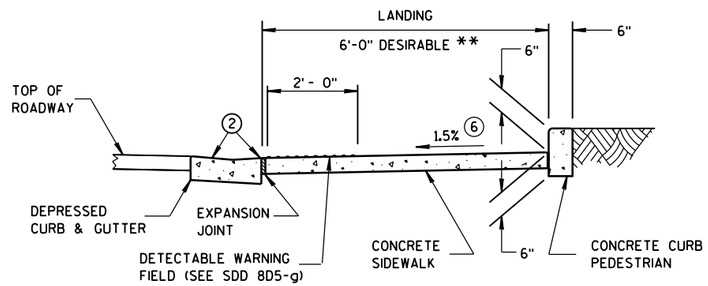
TYPE 1-A RAMP

(NO TERRACE)

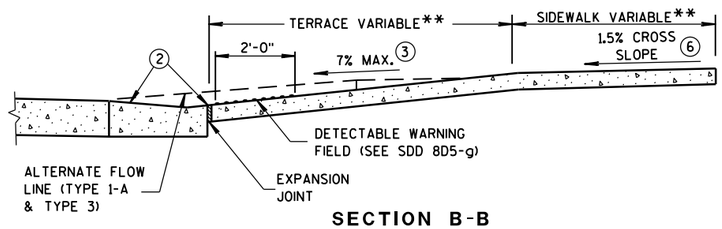


VIEW A-A

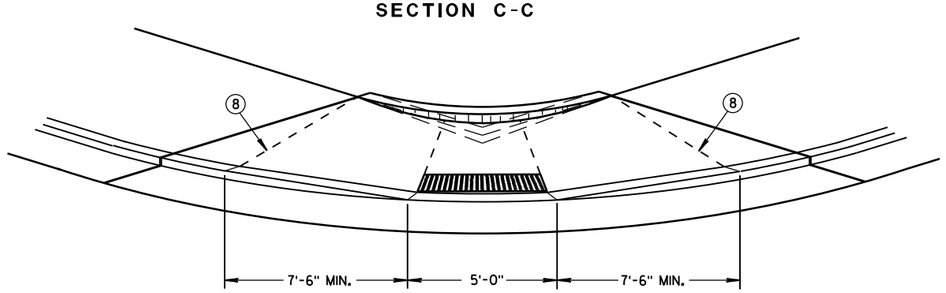
** WIDTH SHOWN ELSEWHERE IN THE PLANS



SECTION C-C



SECTION B-B



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

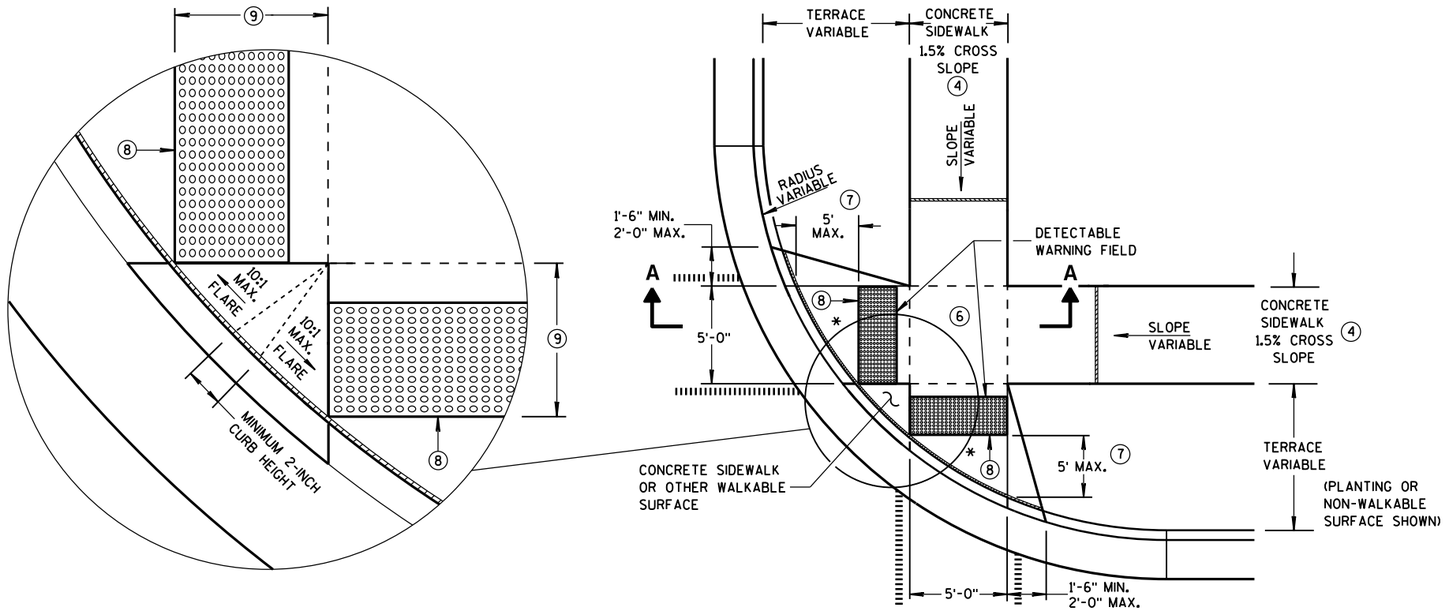
- 1/2" EXPANSION JOINT-SIDEWALK
- CONTRACTION JOINT FIELD LOCATED
- PAVEMENT MARKING CROSSWALK (WHITE)
- ALTERNATIVE LAYOUT

CURB RAMPS TYPES 1 AND 1-A

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

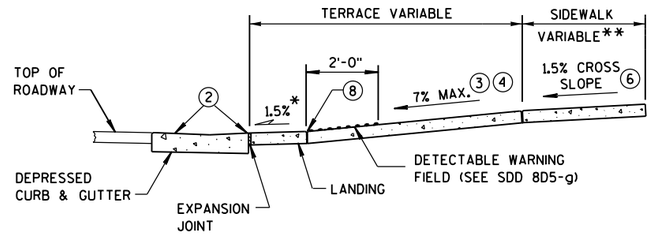
6

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



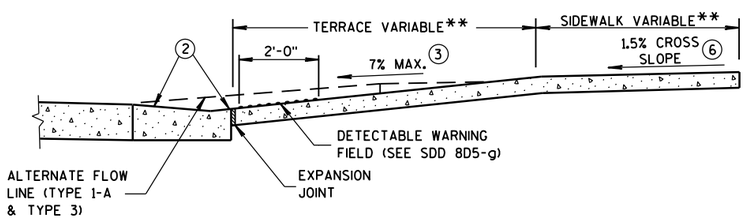
PLAN VIEW
TYPE 2 RAMP
(ON LINE WITH SIDEWALK)

* MAXIMUM 2.0% SLOPE IN ALL DIRECTIONS IN FRONT OF GRADE BREAK

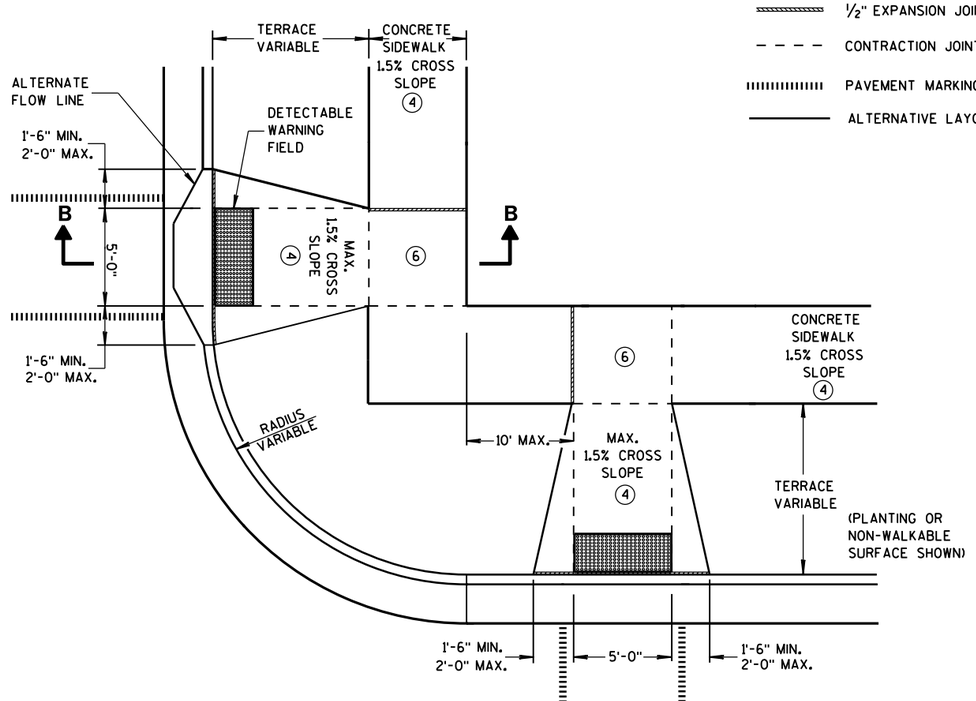


SECTION A-A

** 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

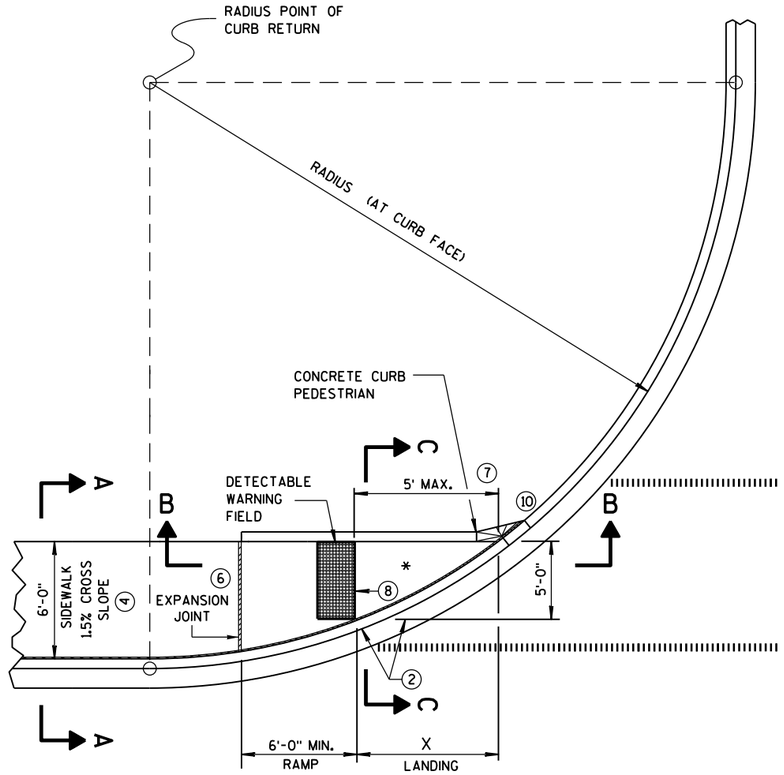
S.D.D. 8 D 5-19b

6

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

CURB RAMPS TYPES 2 AND 3

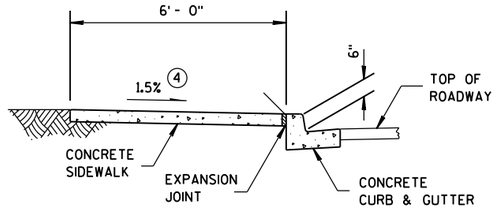
STATE OF WISCONSIN
DEPARTMENT OF TRANSPO



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.

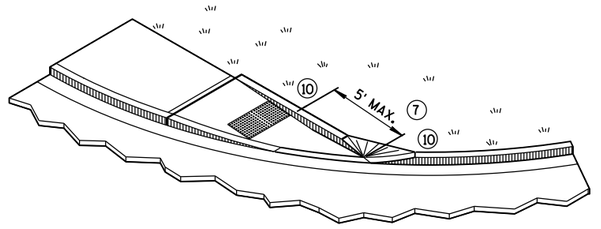
(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

(6) PROVIDE A LEVEL LANDING (MAXIMUM 2% SLOPE) IN ANY DIRECTION OF PEDESTRIAN TRAVEL. STANDARD LANDING SIZE IS 5 FEET X 5 FEET.

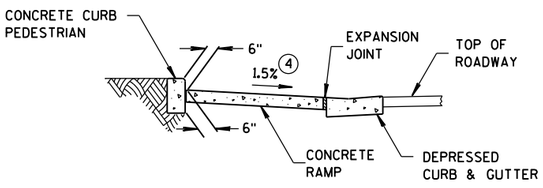
(7) WHEN THIS GRADE BREAK DISTANCE EXCEEDS 5 FEET, USE RADIAL DETECTABLE WARNING FIELD PER SDD 8D5-f.

(8) PROVIDE GRADE BREAK PERPENDICULAR TO DIRECTION OF WHEELCHAIR TRAVEL.

(10) INSTALL TRANSITION NOSE. (INCIDENTAL TO OTHER PAY ITEMS). DO NOT MARK TRANSITION NOSE.

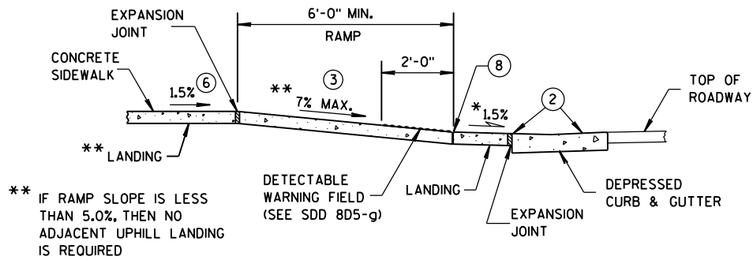


ISOMETRIC VIEW FOR TYPE 4A



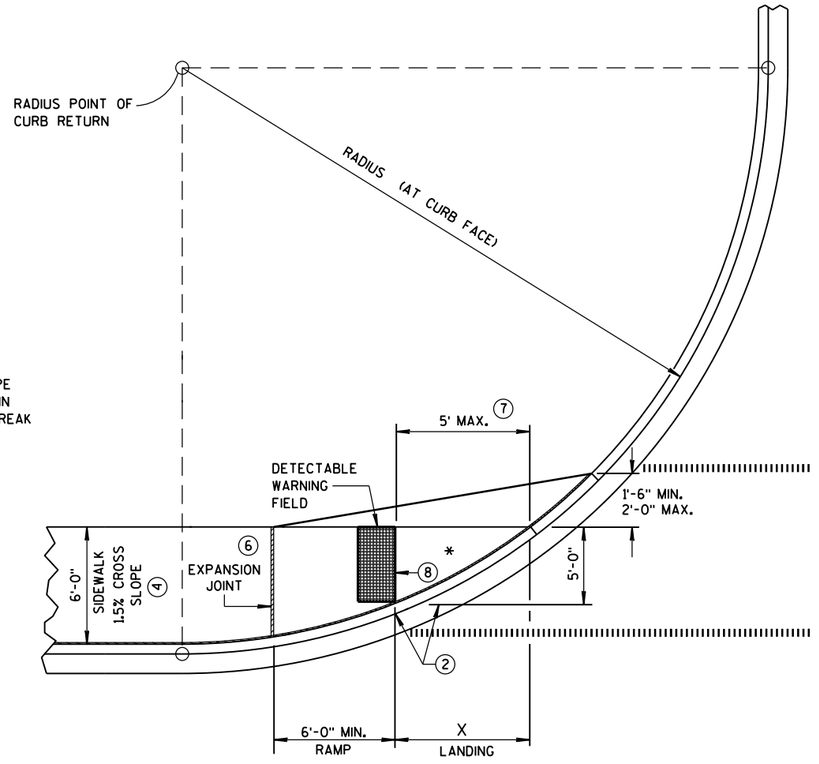
SECTION C-C FOR TYPE 4A

* MAXIMUM 2.0% SLOPE IN ALL DIRECTIONS IN FRONT OF GRADE BREAK

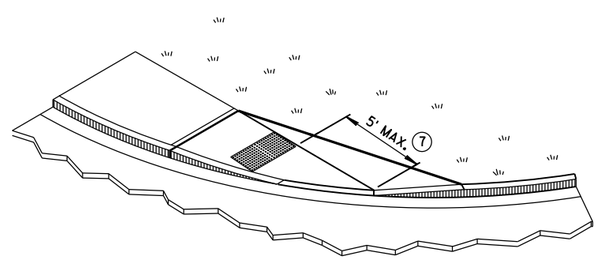


** IF RAMP SLOPE IS LESS THAN 5.0%, THEN NO ADJACENT UPHILL LANDING IS REQUIRED

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

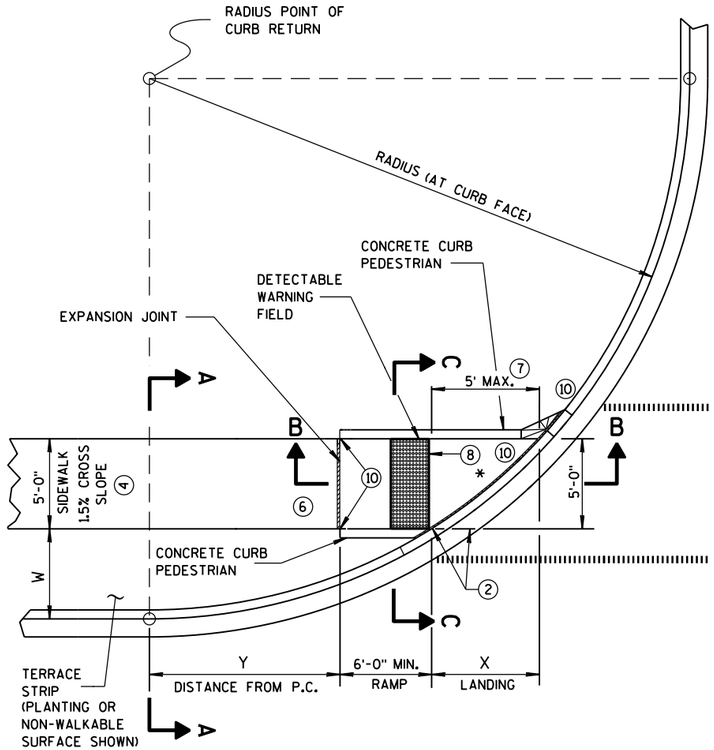
PAVEMENT MARKING CROSSWALK (WHITE)

CURB RAMPS
TYPES 4A AND 4A1

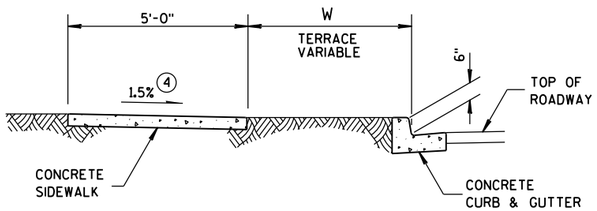
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR

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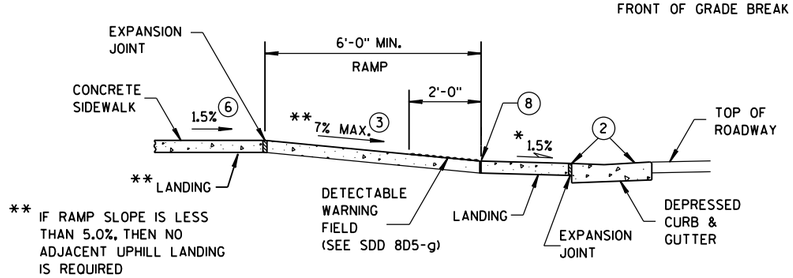
S.D.D. 8 D 5-19c



CURB RAMP TYPE 4B
PLAN VIEW



SECTION A-A FOR TYPE 4B



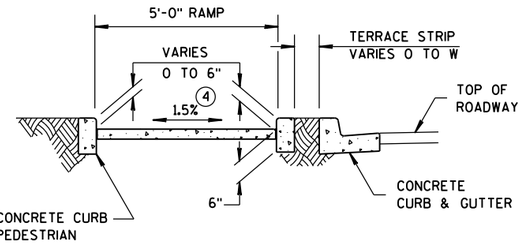
* MAXIMUM 2.0% SLOPE IN ALL DIRECTIONS IN FRONT OF GRADE BREAK

** 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.

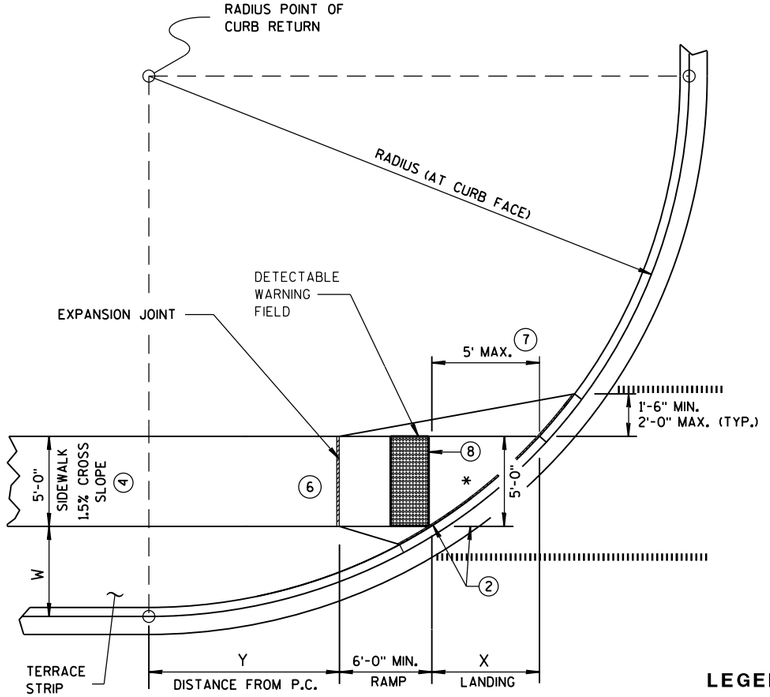
(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

(6) PROVIDE A LEVEL LANDING (MAXIMUM 2% SLOPE) IN ANY DIRECTION OF PEDESTRIAN TRAVEL. STANDARD LANDING SIZE IS 5 FEET X 5 FEET.

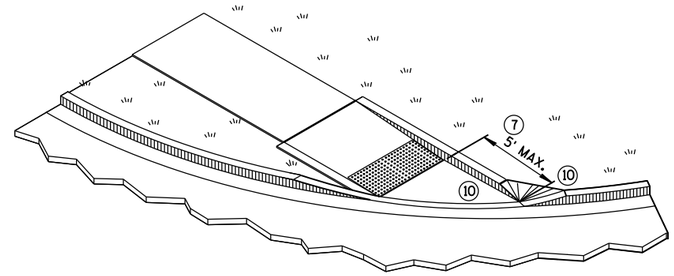
(7) WHEN THIS GRADE BREAK DISTANCE EXCEEDS 5 FEET, USE RADIAL DETECTABLE WARNING FIELD PER SDD 8D5-f.

(8) PROVIDE GRADE BREAK PERPENDICULAR TO DIRECTION OF WHEELCHAIR TRAVEL.

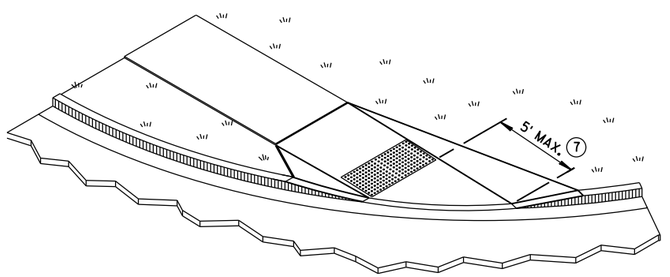
(10) INSTALL TRANSITION NOSE. (INCIDENTAL TO OTHER PAY ITEMS). DO NOT MARK TRANSITION NOSE.



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

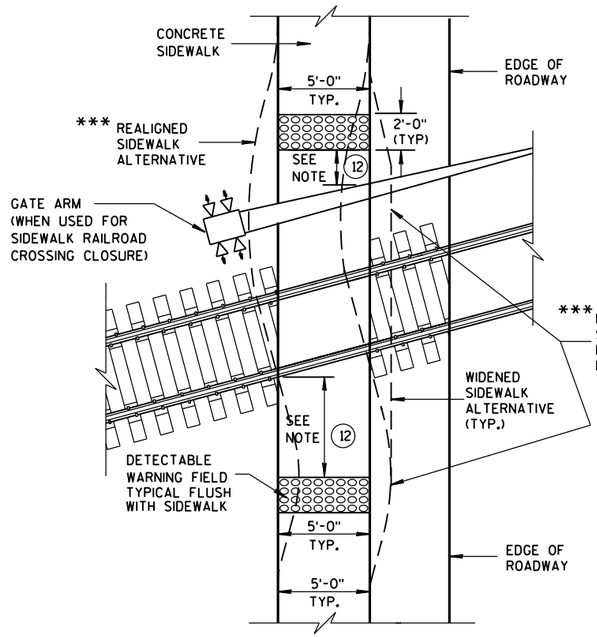
PAVEMENT MARKING CROSSWALK (WHITE)

CURB RAMPS TYPE 4B AND 4B1

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR

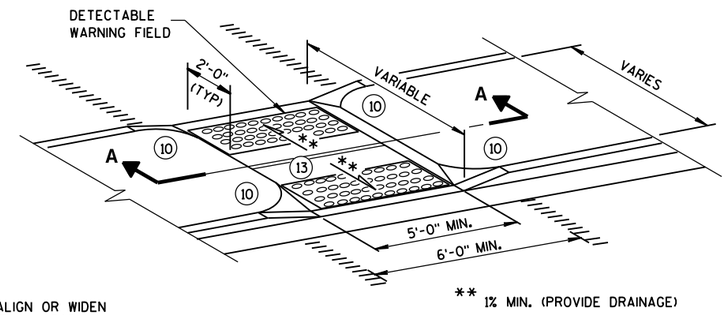
6

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.

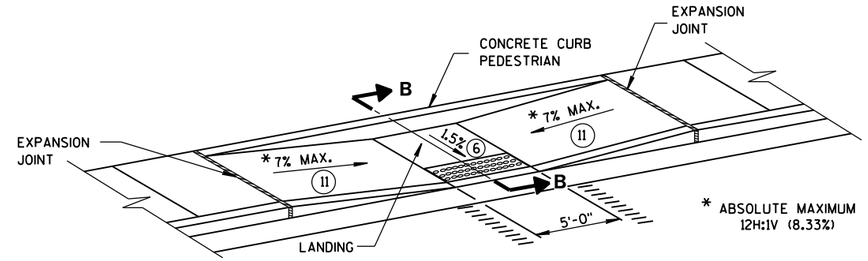
(6) PROVIDE A LEVEL LANDING (MAXIMUM 2% SLOPE) IN ANY DIRECTION OF PEDESTRIAN TRAVEL. STANDARD LANDING SIZE IS 5 FEET X 5 FEET.

(10) INSTALL TRANSITION NOSE. (INCIDENTAL TO OTHER PAY ITEMS). DO NOT MARK TRANSITION NOSE.

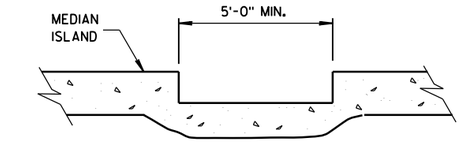
(11) SLOPE SIDEWALK TOWARD LANDING AS SHOWN WHERE THERE IS NO TERRACE OR WHERE THE TERRACE WIDTH IS LESS THAN 6 FEET WIDE.

(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.

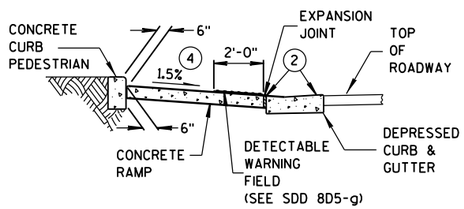
(13) DO NOT INSTALL DETECTABLE WARNING FIELDS AT THE EDGES OF STREET-LEVEL PEDESTRIAN REFUGE ISLANDS IF A MINIMUM 2-FOOT CONCRETE SURFACE WITHOUT DETECTABLE WARNINGS (MEASURED IN THE DIRECTION OF PEDESTRIAN TRAVEL) CANNOT BE ACHIEVED.



MID-BLOCK CROSSING
TYPE 7A

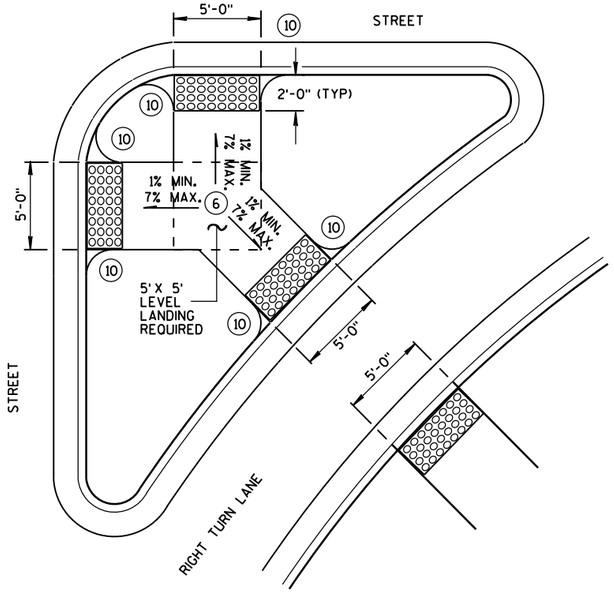


SECTION A-A

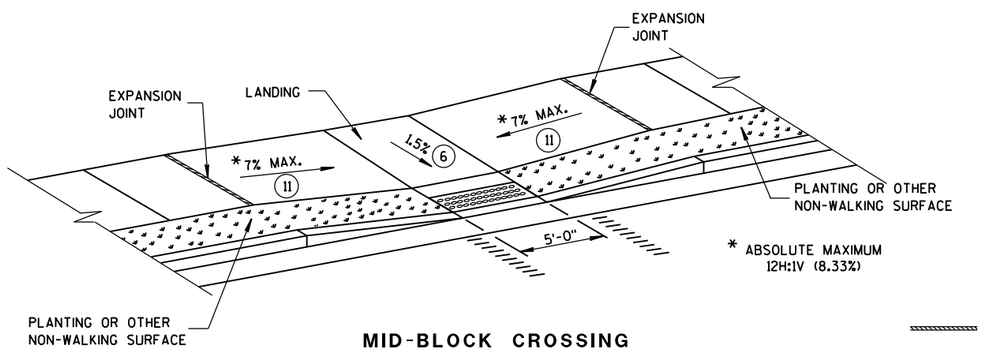


SECTION B-B

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

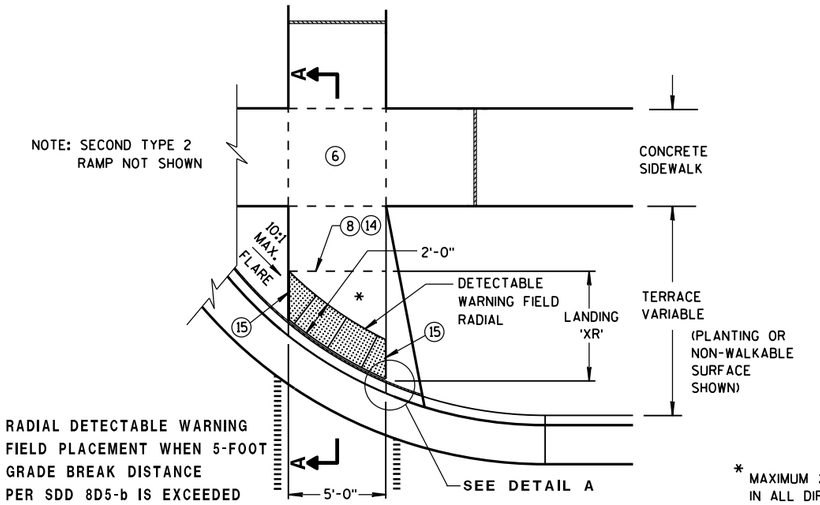
- ½" EXPANSION JOINT-SIDEWALK
- CONTRACTION JOINT FIELD LOCATED
- PAVEMENT MARKING CROSSWALK (WHITE)

CURB RAMPS
TYPES 5, 6, 7A, 7B & 8

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR

6

S.D.D. 8 D 5-19e

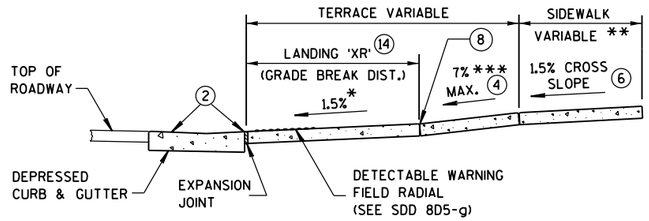


TYPE 2 RAMP
PLAN VIEW
(GRADE BREAK DISTANCE GREATER THAN 5 FEET)
(ON LINE WITH SIDEWALK)

* MAXIMUM 2.0% SLOPE IN ALL DIRECTIONS IN FRONT OF GRADE BREAK

LEGEND

- ½" EXPANSION JOINT-SIDEWALK
- CONTRACTION JOINT FIELD LOCATED
- PAVEMENT MARKING CROSSWALK (WHITE)



** WIDTH SHOWN ELSEWHERE IN THE PLANS

*** ABSOLUTE MAXIMUM 12H:1V (8.33%)

SECTION A-A

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.

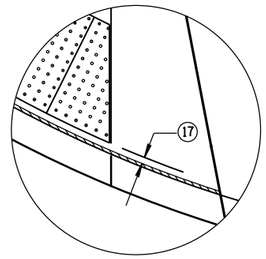
(8) PROVIDE GRADE BREAK PERPENDICULAR TO DIRECTION OF WHEELCHAIR TRAVEL.

(14) CONSULT ENGINEER IF GRADE BREAK LOCATION (END OF LANDING DIMENSION 'XR') REQUIRES FIELD ADJUSTMENT WHEN ESTABLISHING FINAL RADIAL DETECTABLE WARNING FIELD LOCATION.

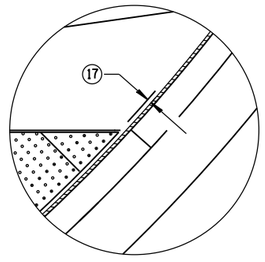
(15) FIELD SAW CUTS ALONG RADIAL DETECTABLE WARNING PLATES WILL BE NECESSARY TO MATCH EACH CURB RAMP EDGE. AVOID CUTTING THROUGH DOMES WHENEVER POSSIBLE. MAKE FIELD CUTS TRUE TO LINE AND WITHIN 1/8" DEVIATION. SMOOTH EDGES OF FIELD CUT PLATES.

(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.

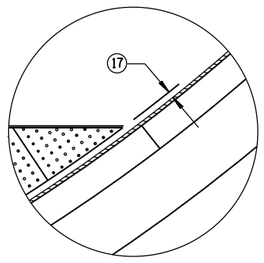
(17) A MAXIMUM 3-INCH CONCRETE BORDER WIDTH IS ALLOWABLE IN FRONT OF RADIAL DETECTABLE WARNING FIELD FOR CONSTRUCTABILITY PURPOSES. CONCRETE BORDER WIDTH MAY VARY UP TO 1 INCH.



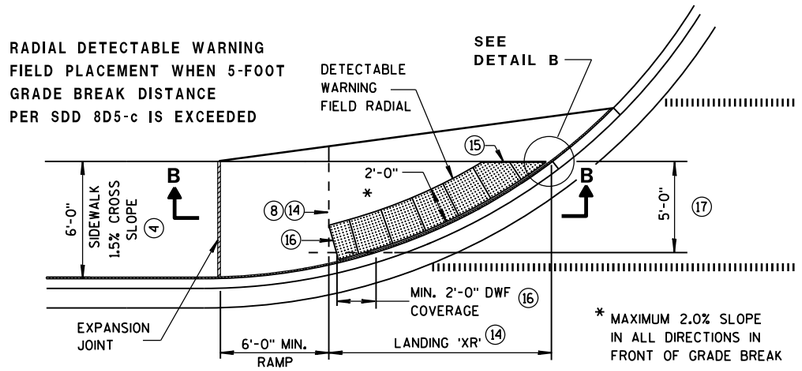
DETAIL A



DETAIL C

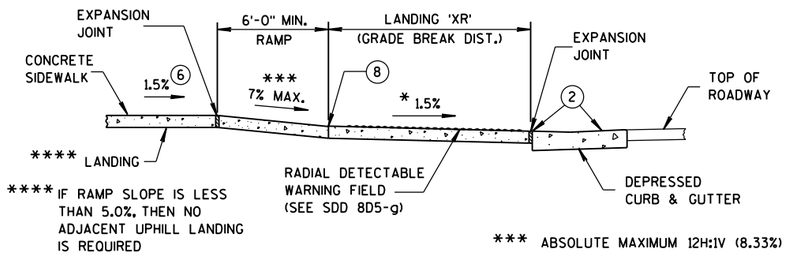


DETAIL B



* MAXIMUM 2.0% SLOPE IN ALL DIRECTIONS IN FRONT OF GRADE BREAK

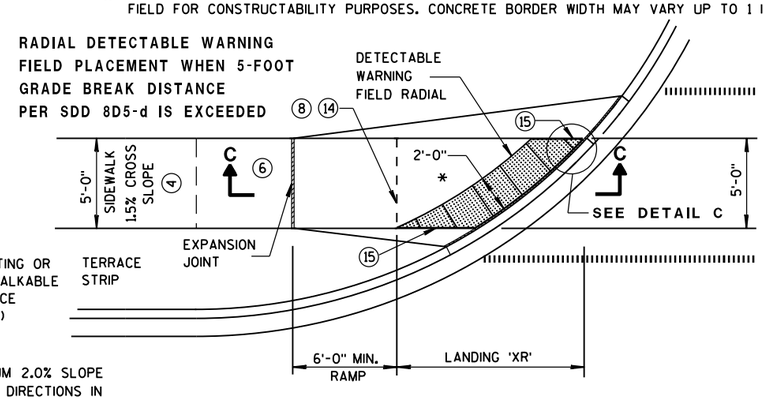
CURB RAMP TYPE 4A1
PLAN VIEW
(GRADE BREAK DISTANCE GREATER THAN 5 FEET)



**** IF RAMP SLOPE IS LESS THAN 5.0%, THEN NO ADJACENT UPHILL LANDING IS REQUIRED

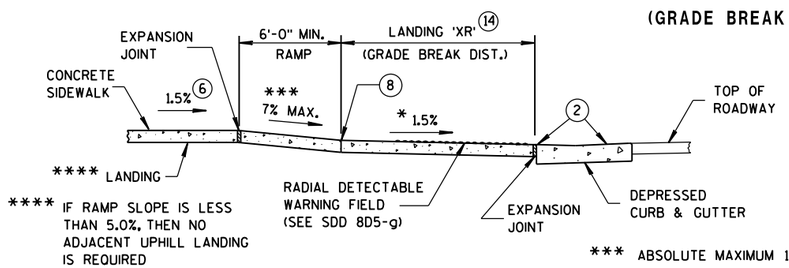
*** ABSOLUTE MAXIMUM 12H:1V (8.33%)

SECTION B-B FOR TYPE 4A1



* 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)



**** 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

CURB RAMPS
RADIAL DETECTABLE WARNING FIELD APPLICATIONS

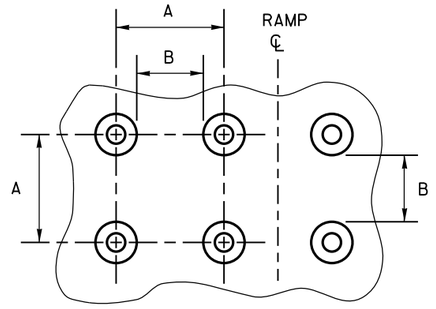
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR

6

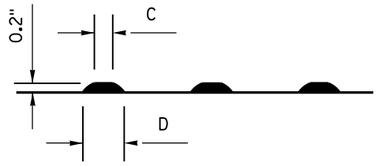
S.D.D. 8 D 5-19f

	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.

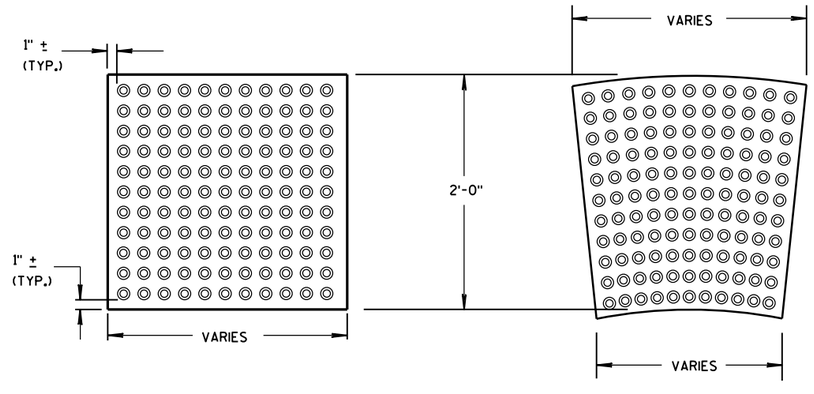
DETERMINE FINAL RADIAL WARNING FIELD CONFIGURATION AND ITS INDIVIDUAL PLATE LOCATIONS. PERFORM PRE-LAYOUT PRIOR TO PLACEMENT IN PLASTIC CONCRETE. FOLLOW MANUFACTURER'S PRODUCT LIST AND INSTALLATION RECOMMENDATIONS.

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.

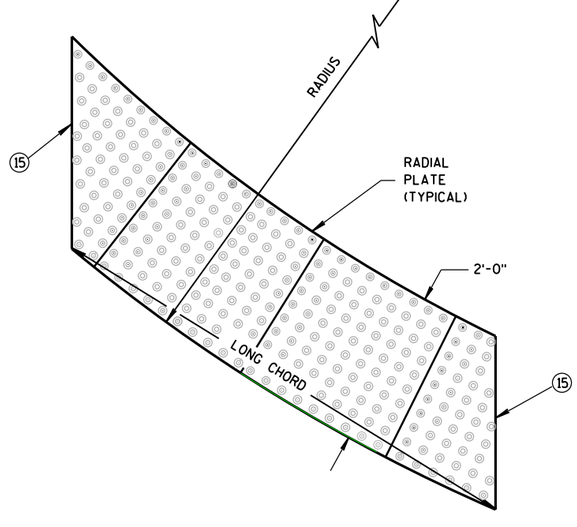


RECTANGULAR PLATES

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

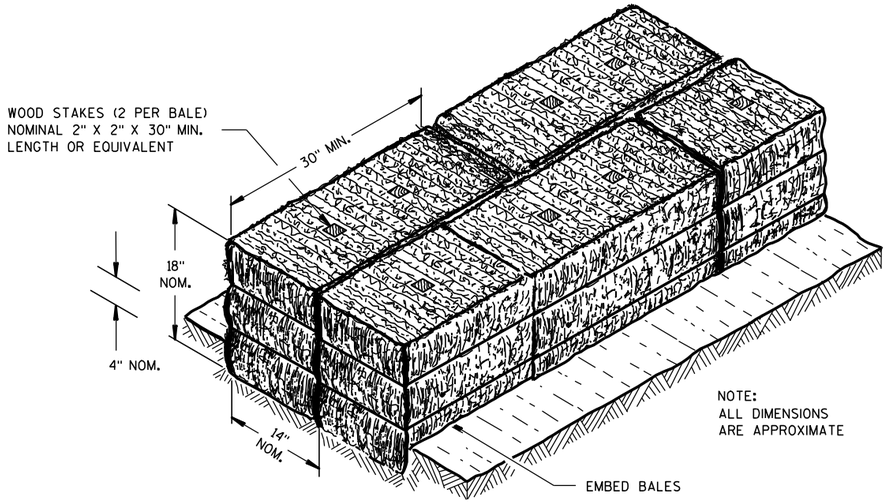
APPROVED
June, 2017 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS UNIT SUPERV
ENT
FHWA

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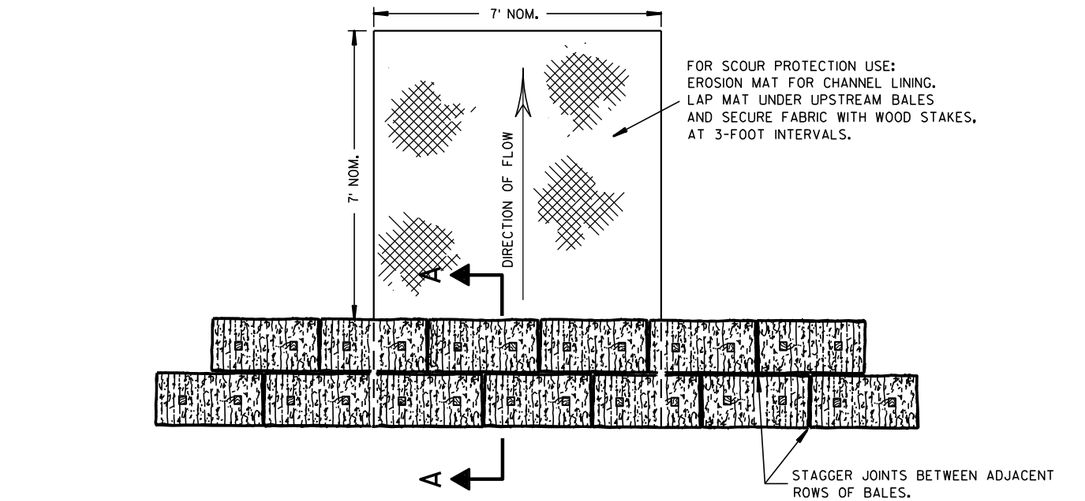
S.D.D. 8 D 5-19g

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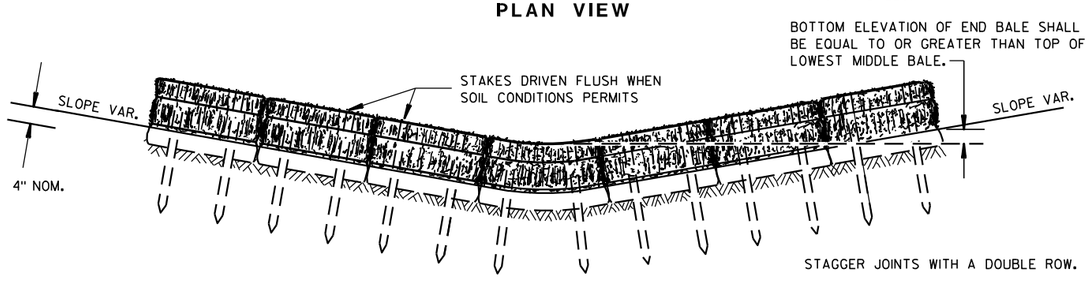
S.D.D. 8 D 5-19g



SECTION A-A



PLAN VIEW



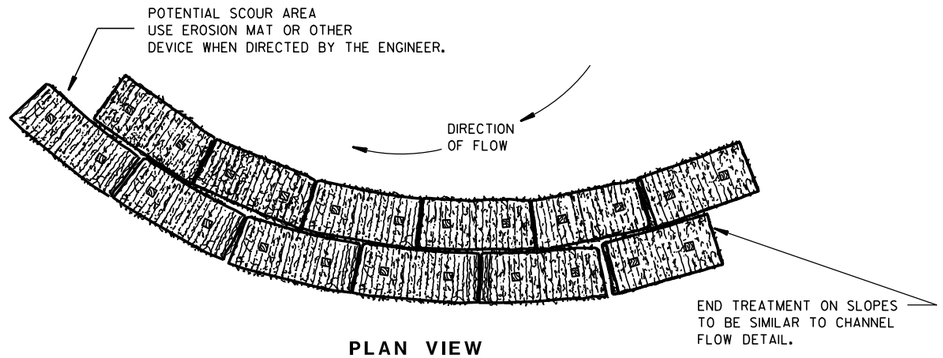
FRONT ELEVATION

TEMPORARY DITCH CHECK USING EROSION BALES ①

GENERAL NOTES

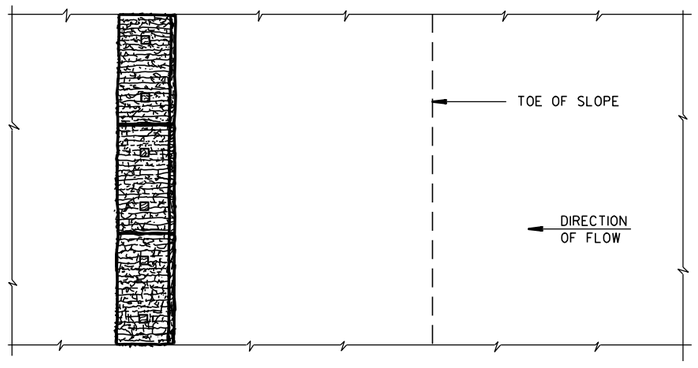
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

① TEMPORARY DITCH CHECKS EITHER EROSION BALES OR MANUFACTURED SHALL BE PAID FOR UNDER THE BID ITEM OF TEMPORARY DITCH CHECK. THE DEPARTMENT WILL NOT PAY FOR TEMPORARY DITCH CHECKS CONSTRUCTED OF A SINGLE ROW OF EROSION BALES.

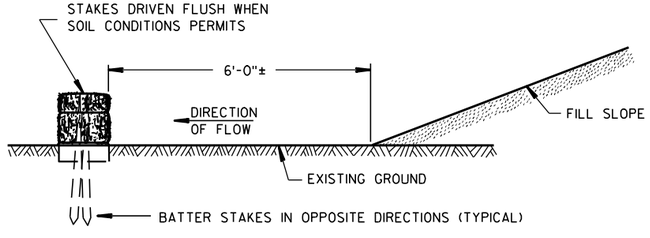


PLAN VIEW

WHEN ALTERING THE DIRECTION OF FLOW



PLAN VIEW



FRONT ELEVATION

WHEN EXISTING GROUND SLOPES AWAY FROM FILL SLOPE

EROSION BALES FOR SHEET FLOW

TYPICAL INSTALLATIONS OF EROSION BALES / TEMPORARY DITCH CHECKS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

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

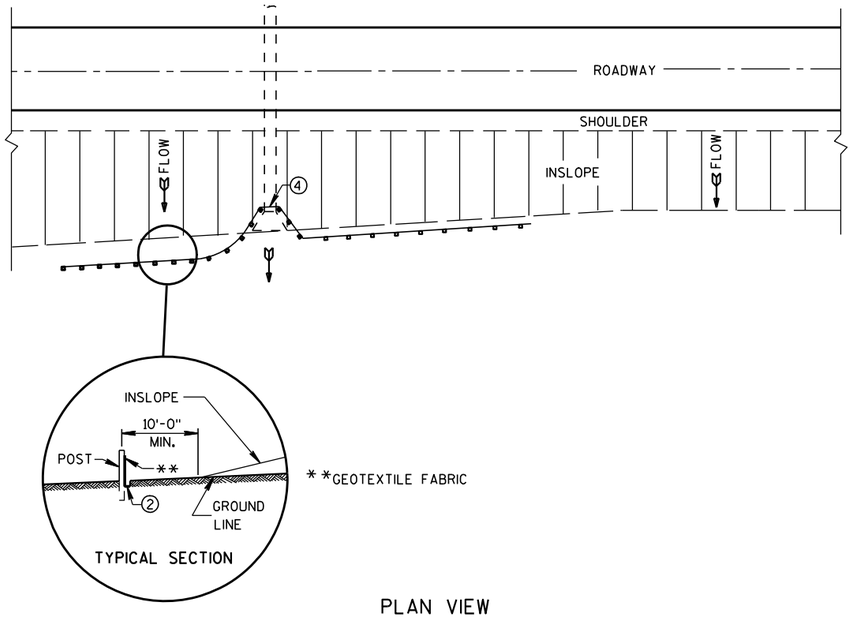
FHWA

6

S.D.D. 8 E 8-3

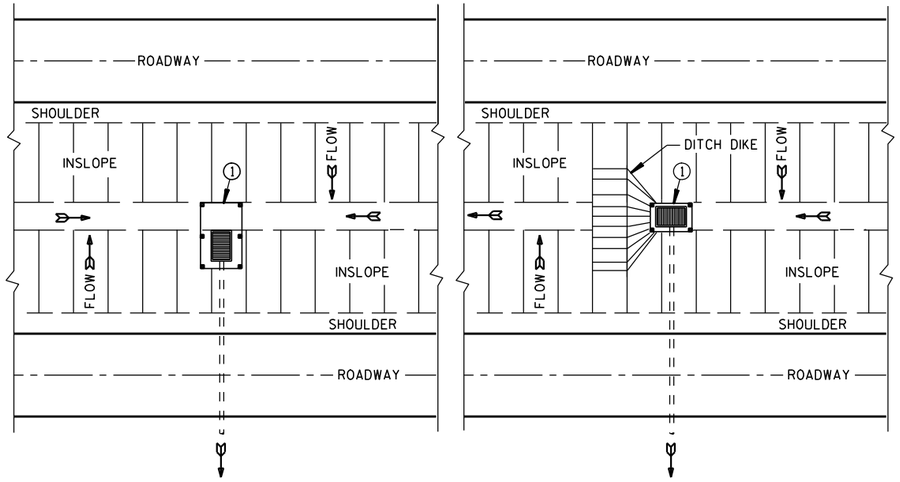
6

S.D.D. 8 E 8-3



PLAN VIEW

TYPICAL APPLICATION OF SILT FENCE



PLAN VIEW

SILT FENCE AT MEDIAN SURFACE DRAINS

GENERAL NOTES

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

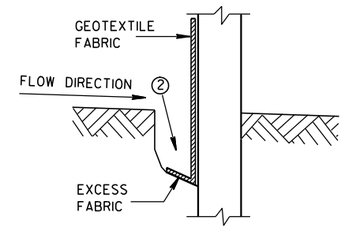
① HORIZONTAL BRACE REQUIRED WITH 2" X 4" WOODEN FRAME OR EQUIVALENT AT TOP OF POSTS.

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

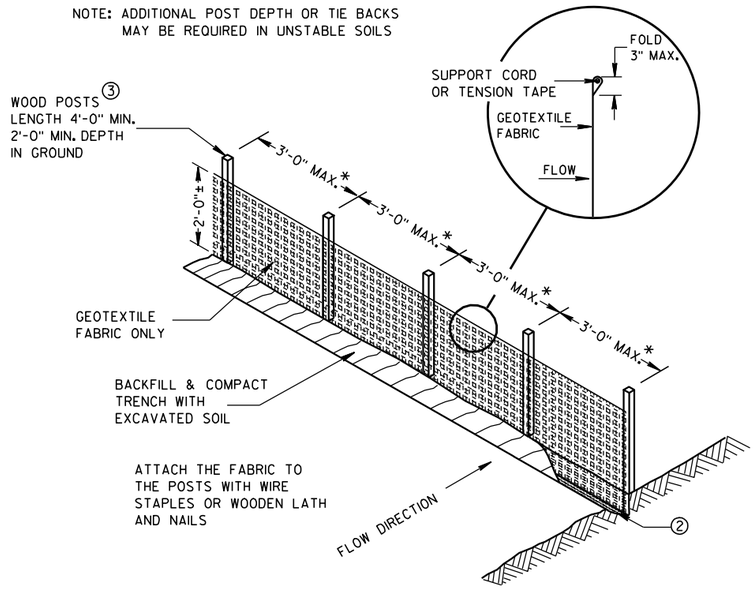
③ WOOD POSTS SHALL BE A MINIMUM SIZE OF 1⅛" X 1⅛" OF OAK OR HICKORY.

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

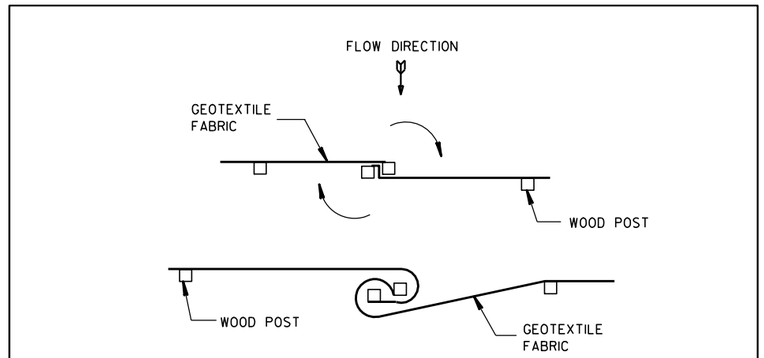
⑤ CONSTRUCT SILT FENCE FROM A CONTINUOUS ROLL IF POSSIBLE BY CUTTING LENGTHS TO AVOID JOINTS. IF A JOINT IS NECESSARY USE ONE OF THE FOLLOWING TWO METHODS; A) OVERLAP THE END POSTS AND TWIST, OR ROTATE, AT LEAST 180 DEGREES, B) HOOK THE END OF EACH SILT FENCE LENGTH.



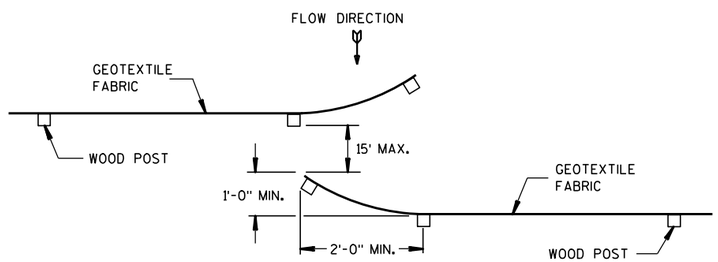
TRENCH DETAIL



SILT FENCE

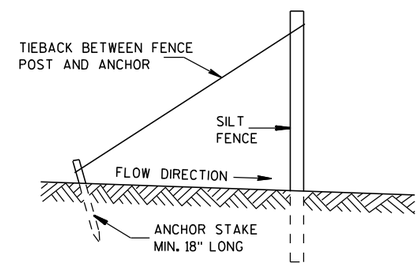


TWIST METHOD



HOOK METHOD

JOINING TWO LENGTHS OF SILT FENCE ⑤



SILT FENCE TIE BACK

(WHEN REQUIRED BY THE ENGINEER)

SILT FENCE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

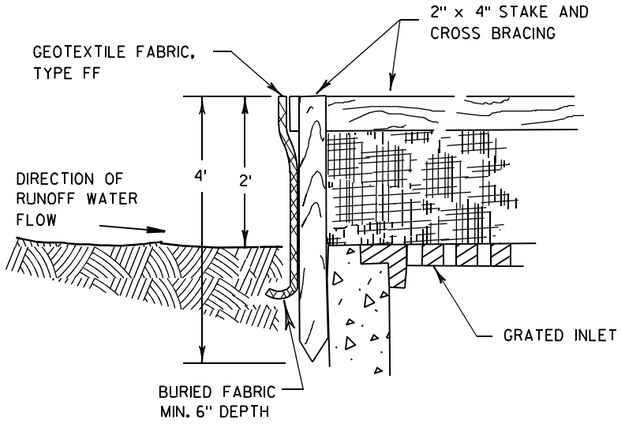
APPROVED
4-29-05
DATE
/S/ Beth Cannestra
CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

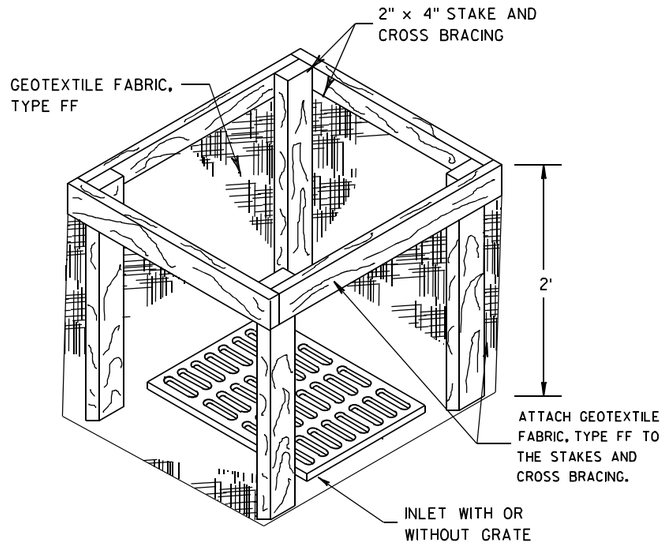
6

S.D.D. 8 E 9-6

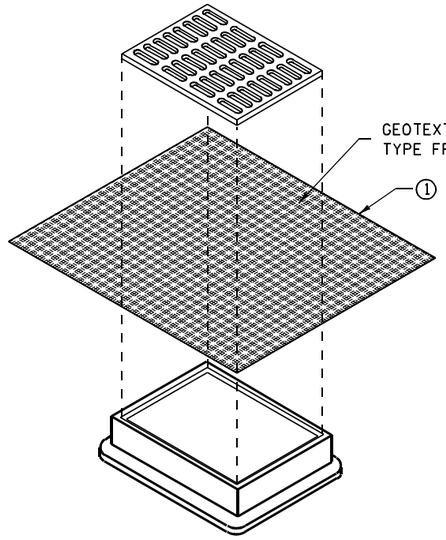
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S.D.D. 8 E 9-6



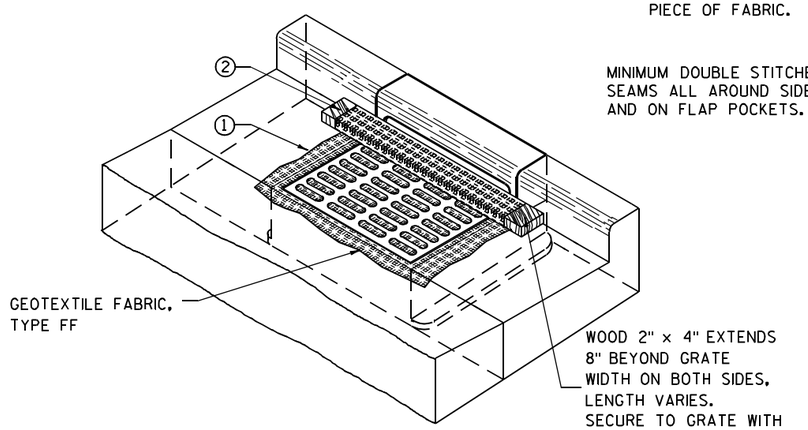


INLET PROTECTION, TYPE A

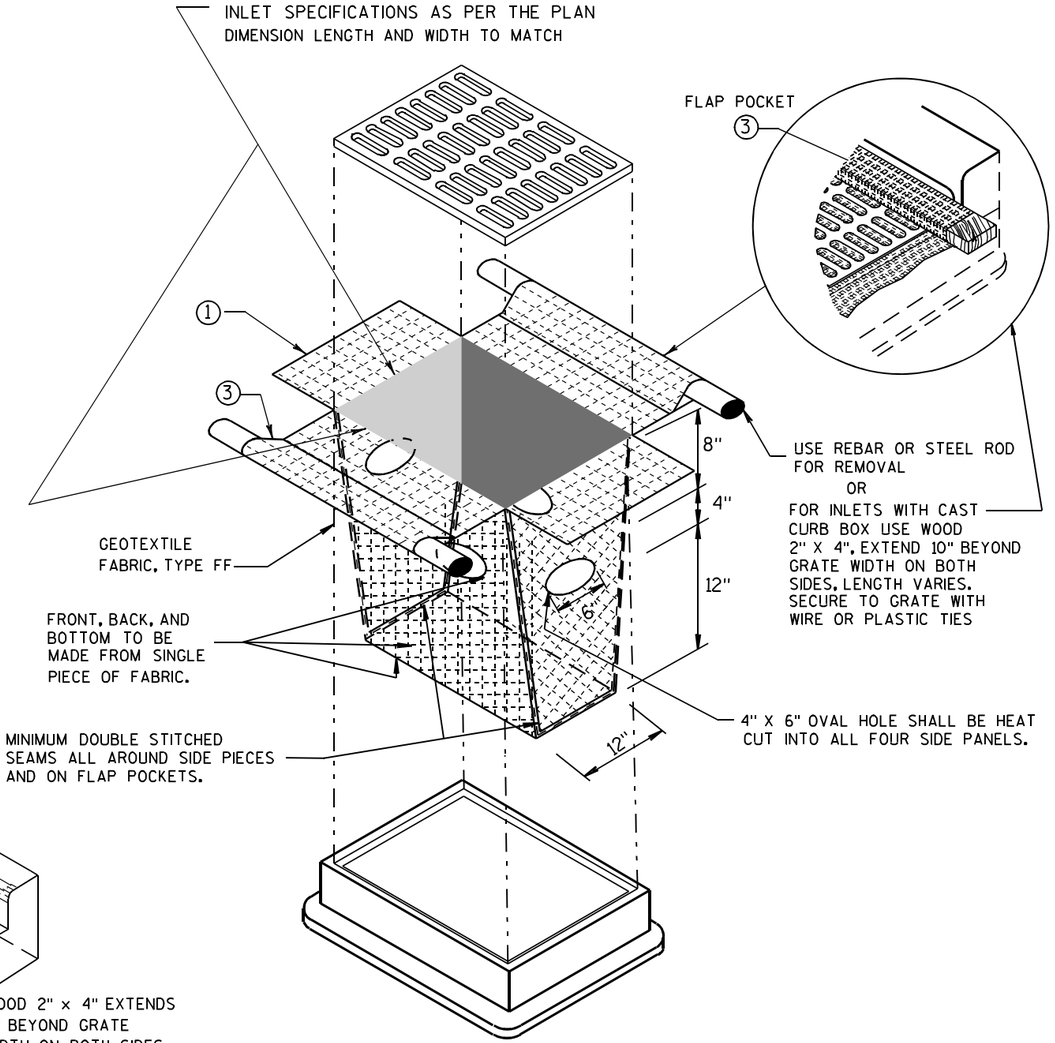


INLET PROTECTION, TYPE B
(WITHOUT CURB BOX)

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



INLET PROTECTION, TYPE C (WITH CURB BOX)



INLET PROTECTION, TYPE D

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

GENERAL NOTES

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

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

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

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

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

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

INSTALLATION NOTES

TYPE B & C

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

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

TYPE D

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

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

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

INLET PROTECTION
TYPE A, B, C, AND D

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

10/16/02
DATE

/S/ Beth Cannestra
CHIEF ROADWAY DEVELOPMENT ENGINEER

FHWA

6

S.D.D. 8 E 10-2

6

S.D.D. 8 E 10-2

METAL APRON ENDWALLS

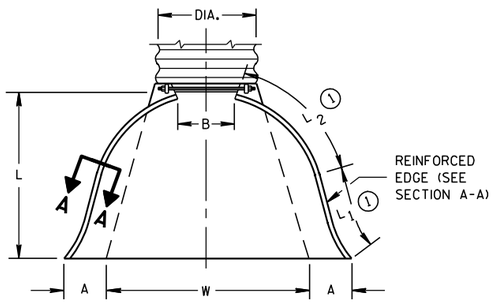
PIPE DIA. (IN.)	MIN. THICK. (Inches) STEEL	MIN. THICK. (Inches) ALUM.	DIMENSIONS (Inches) A (±1")	B (MAX.)	H (±1")	L (±1 1/2")	L1 ①	L2 ①	W (±2")	APPROX. SLOPE	BODY
12	.064	.060	6	6	6	21	12	17 1/2	24	2 1/2 to 1	1 Pc.
15	.064	.060	7	8	6	26	14	21 3/4	30	2 1/2 to 1	1 Pc.
18	.064	.060	8	10	6	31	15	28 1/4	36	2 1/2 to 1	1 Pc.
21	.064	.060	9	12	6	36	18	29 5/8	42	2 1/2 to 1	1 Pc.
24	.064	.075	10	13	6	41	18	37 1/4	48	2 1/2 to 1	1 Pc.
30	.079	.075	12	16	8	51	18	52 1/4	60	2 1/2 to 1	1 Pc.
36	.079	.105	14	19	9	60	24	59 3/4	72	2 1/2 to 1	2 Pc.
42	.109	.105	16	22	11	69	24	75 5/8	84	2 1/2 to 1	2 Pc.
48	.109	.105	18	27	12	78	24	81	90	2 1/4 to 1	3 Pc.
54	.109	.105	18	30	12	84	30	85 1/2	102	2 1/4 to 1	3 Pc.
60	.109×	.105×	18	33	12	87	—	—	114	2 to 1	3 Pc.
66	.109×	.105×	18	36	12	87	—	—	120	2 to 1	3 Pc.
72	.109×	.105×	18	39	12	87	—	—	126	2 to 1	3 Pc.
78	.109×	.105×	18	42	12	87	—	—	132	1 1/2 to 1	3 Pc.
84	.109×	.105×	18	45	12	87	—	—	138	1 1/2 to 1	3 Pc.
90	.109×	.105×	18	37	12	87	—	—	144	1 1/2 to 1	3 Pc.
96	.109×	.105×	18	35	12	87	—	—	150	1 1/2 to 1	3 Pc.

× EXCEPT CENTER PANEL SEE GENERAL NOTES

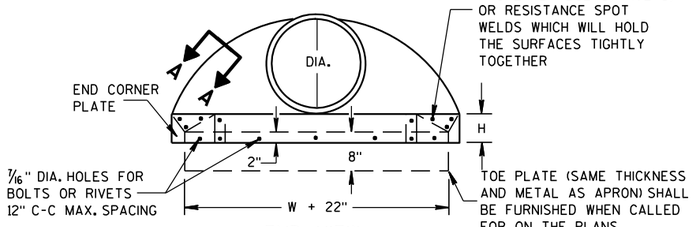
REINFORCED CONCRETE APRON ENDWALLS

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

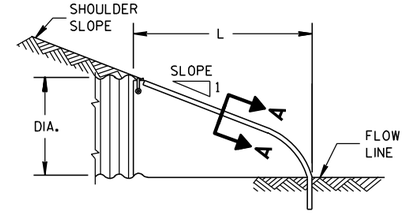
*MINIMUM
**MAXIMUM



PLAN VIEW

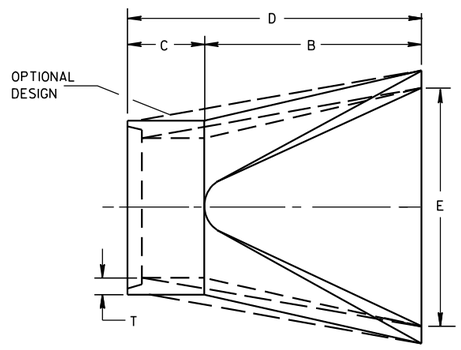


END VIEW

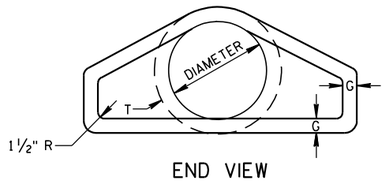


SIDE ELEVATION

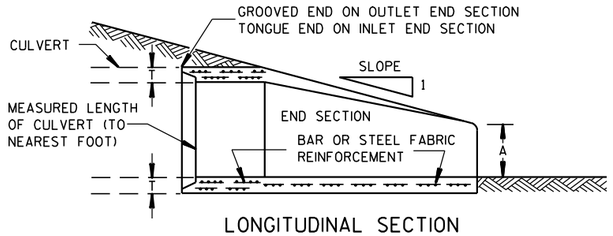
METAL ENDWALLS



PLAN

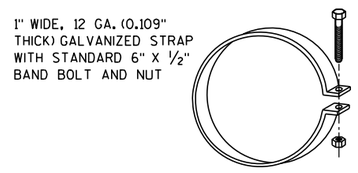


END VIEW



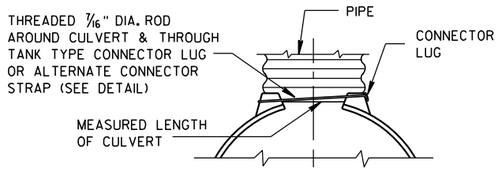
LONGITUDINAL SECTION

CONCRETE ENDWALLS

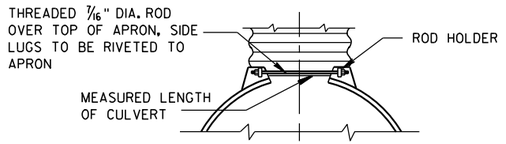


ALTERNATE FOR TYPE 1 CONNECTION

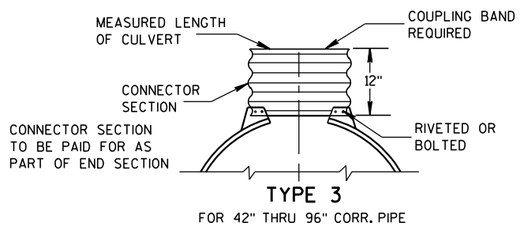
END SECTION CONNECTOR STRAP



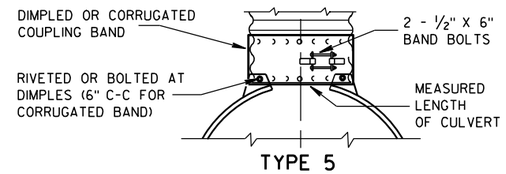
TYPE 1
FOR 12" THRU 24" CORR. PIPE



TYPE 2
FOR 30" THRU 96" CORR. PIPE



TYPE 3
FOR 42" THRU 96" CORR. PIPE



TYPE 5
ALTERNATE FOR:
ALL SIZES CORRUGATED CIRCULAR PIPE

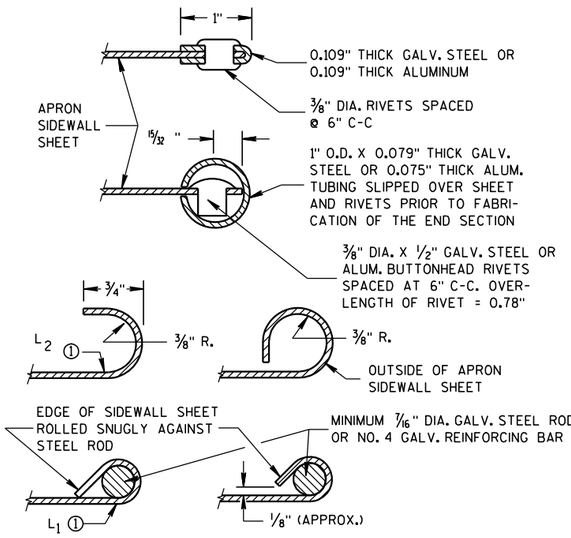
NOTE: DIMPLED BAND FITS OVER OUTSIDE OF ENDWALL. AND CORRUGATED BAND FITS INSIDE ENDWALL. DIMPLED BAND MAY BE USED WITH HELICALLY CORRUGATED PIPE.

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

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

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

CONNECTION DETAILS



SECTION A-A

GENERAL NOTES

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

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

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

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

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

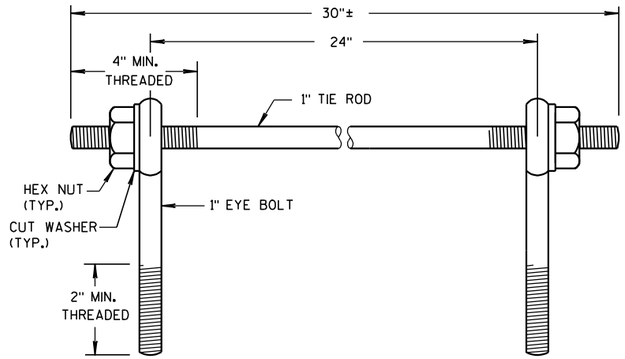
① FOR PIPE SIZES UP TO 60" DIAMETER, A 180° ROLLED EDGE MAY BE USED INSTEAD OF STEEL ROD REINFORCEMENT. SEE SECTION A-A.

APRON ENDWALLS FOR CULVERT PIPE

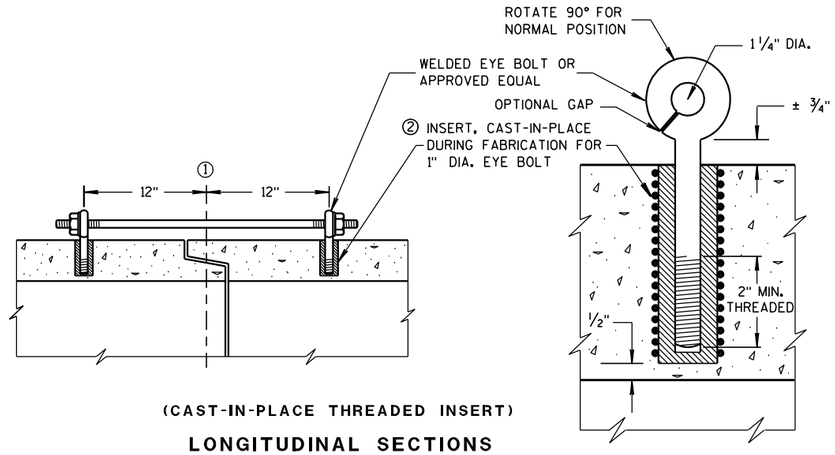
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
11/30/94 DATE
/S/ Rory L. Rhinesmith
CHIEF ROADWAY DEVELOP 235 NEER
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.

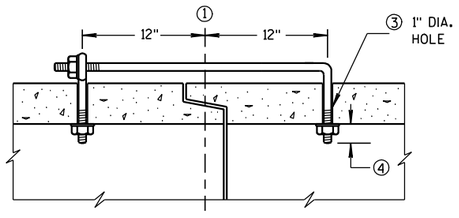
② THE INSIDE OF THE THREADED INSERTS SHALL BE CLEAN TO ALLOW THE INSERTION OF THREADED EYE BOLTS.

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

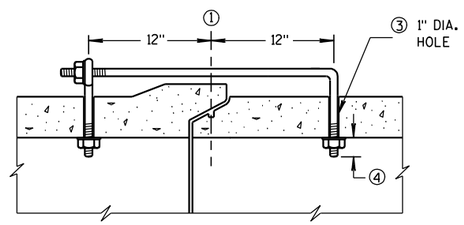
④ BOLT PROJECTION INSIDE OF PIPE SHALL NOT EXCEED 2 INCHES.

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)

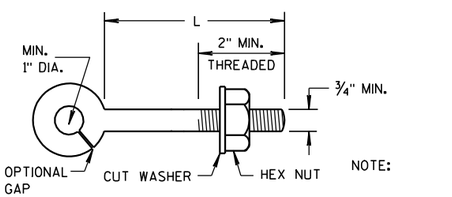


(MODIFIED BELL PIPE)

LONGITUDINAL SECTION

EYE BOLT DIMENSION TABLE

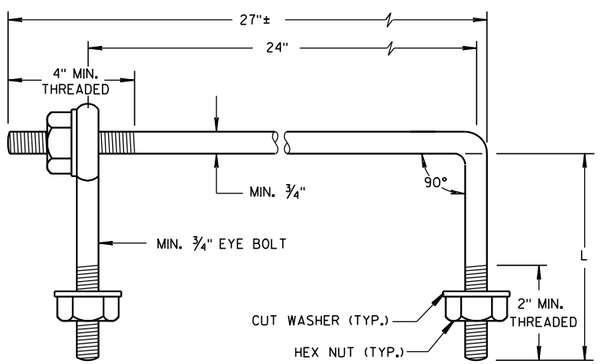
PIPE SIZE	L = LENGTH	
	TONGUE & GROOVE PIPE	MODIFIED BELL PIPE
18" TO 24"	4 1/2"	6 1/4"
30"	5"	7"
36"	5 1/2"	7"
42"	6"	
48"	6 1/2"	
60"	7 1/2"	
66"	8"	



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

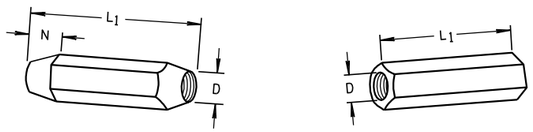
(JOINT TIES FOR 18" TO 66" DIA. CONCRETE PIPE)

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

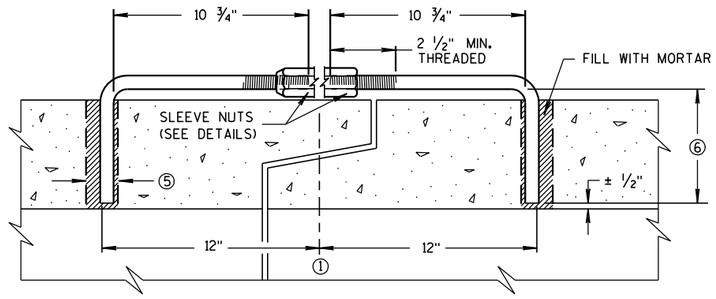
DIMENSIONS SHOWN ARE IN INCHES



TAPERED PLAIN

RIGHT AND LEFT THREADS

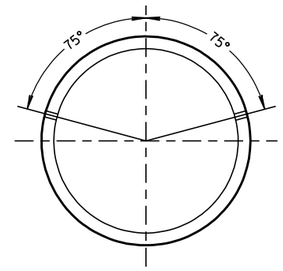
SLEEVE NUTS



LONGITUDINAL SECTION

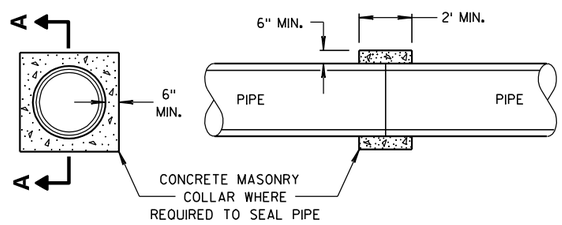
(JOINT TIES FOR 12" TO 108" DIA. CONCRETE PIPE)

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

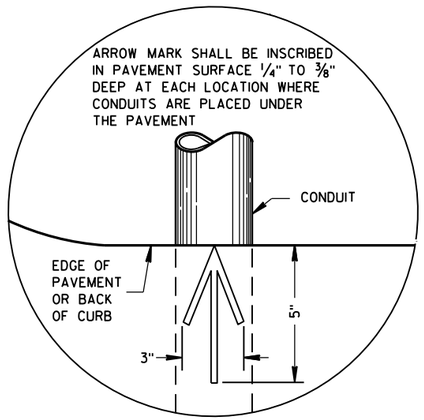
APPROVED
6/5/2012 — DATE
/S/ Jerry H. Zogg — ROADWAY STANDARDS ENGINEER
FHWA

6

S.D.D. 8 F 4-7

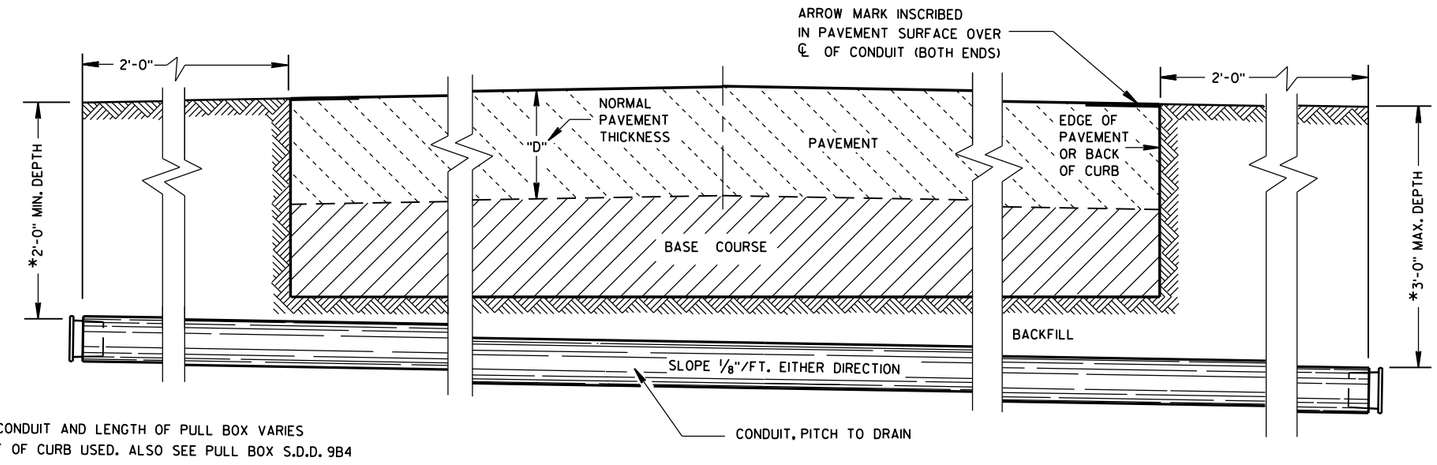
6

S.D.D. 8 F 4-7



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 237
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".

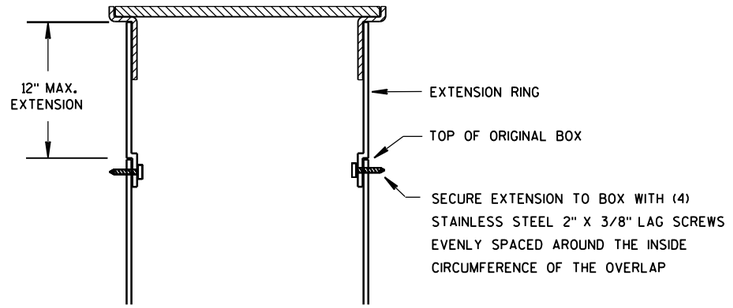
THE CONTRACTOR SHALL NOT INSTALL WIRE IN ANY PULL BOX UNTIL ITS INSTALLATION HAS BEEN INSPECTED AND ACCEPTED BY THE ENGINEER.

ALL METALLIC CONDUIT IN WHICH WIRE AND/OR CABLE IS TO BE INSTALLED, SHALL BE BUSHED BEFORE INSTALLATION OF THE WIRE AND/OR CABLE.

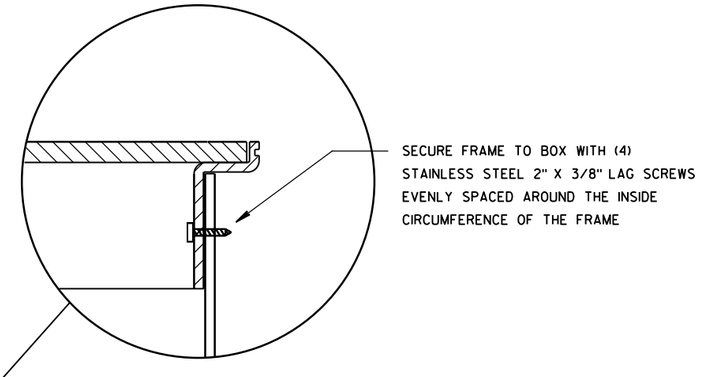
ENTIRE BOX MUST BE CONSTRUCTED OF NON-CONDUCTIVE MATERIALS WITH THE EXCEPTION OF STAINLESS STEEL FASTENERS AND MAGNETIC LOCATABLE DEVICE.

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

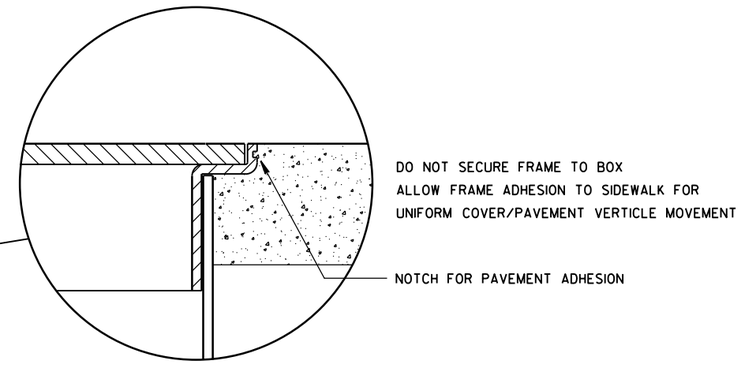
LABEL ON COVER SHALL READ "ELECTRIC" FOR SIGNAL AND LIGHTING SYSTEMS, "WISDOT ITS" FOR COMMUNICATIONS AND ITS EQUIPMENT SYSTEMS.



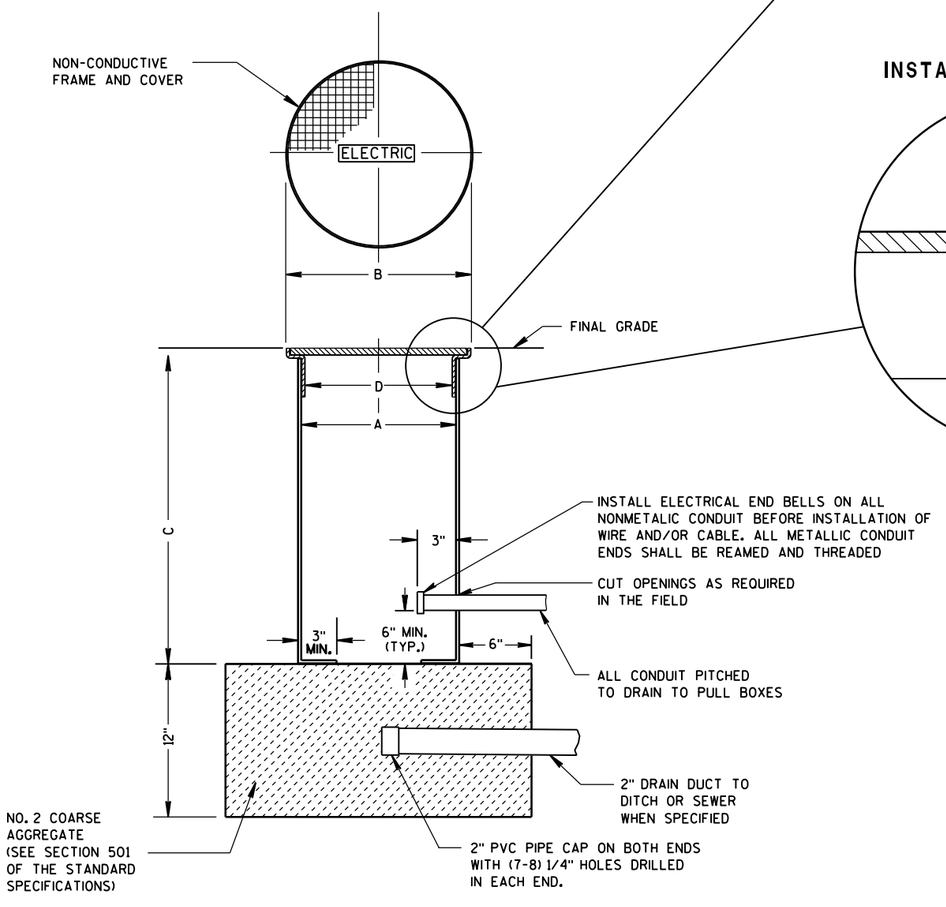
BOX EXTENSION



INSTALLED IN SOD OR CRUSHED AGGREGATE



INSTALLED IN SIDEWALK



NON-CONDUCTIVE PULL BOX

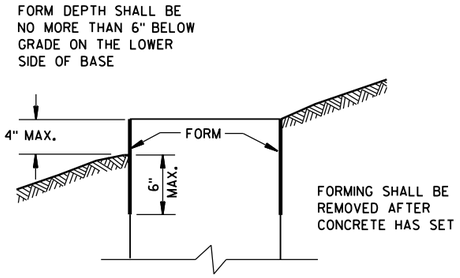
PULL BOX NON-CONDUCTIVE

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.

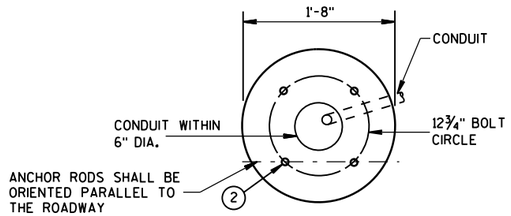
(4) (6) NO. 6 X 6'-8" BAR STEEL REINFORCEMENT.

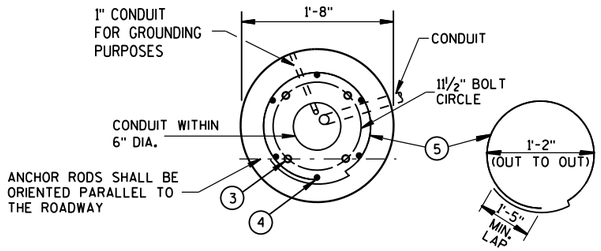
(5) (7) NO. 4 X 5'-1" BAR STEEL REINFORCEMENT @ 1'-0" C-C.

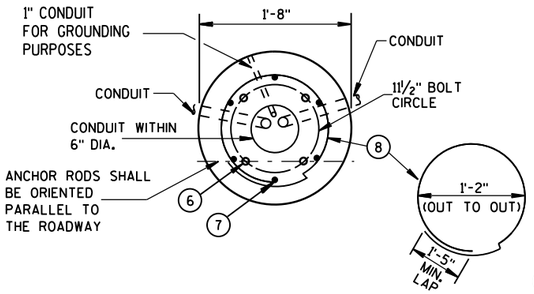
(6) (4) 1" DIA. X 3'-6" ANCHOR RODS.

(7) (6) NO.4 X 4'-8" BAR STEEL REINFORCEMENT.

(8) (5) NO. 4 X 5'-1" BAR STEEL REINFORCEMENT @ 1'-0" C-C.

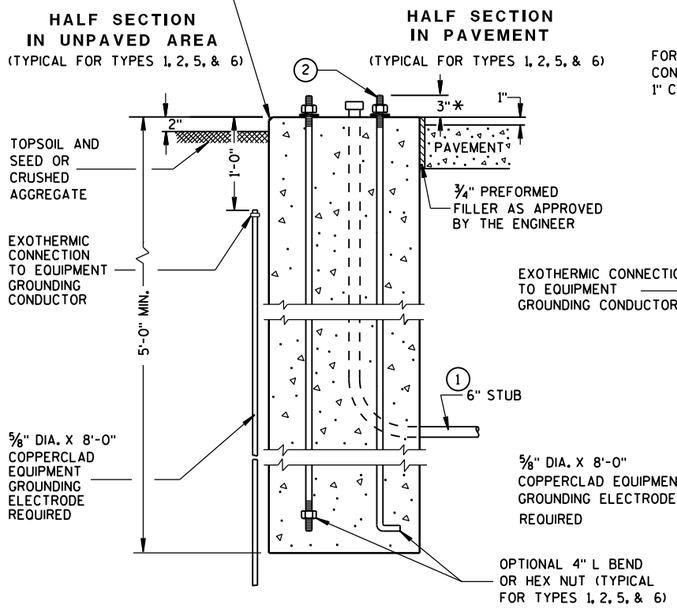


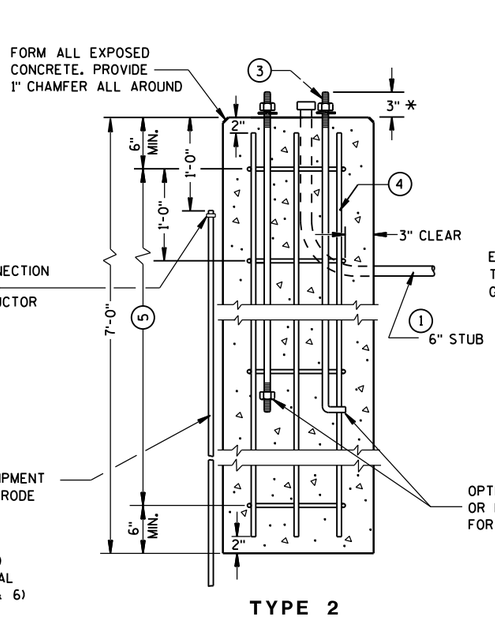




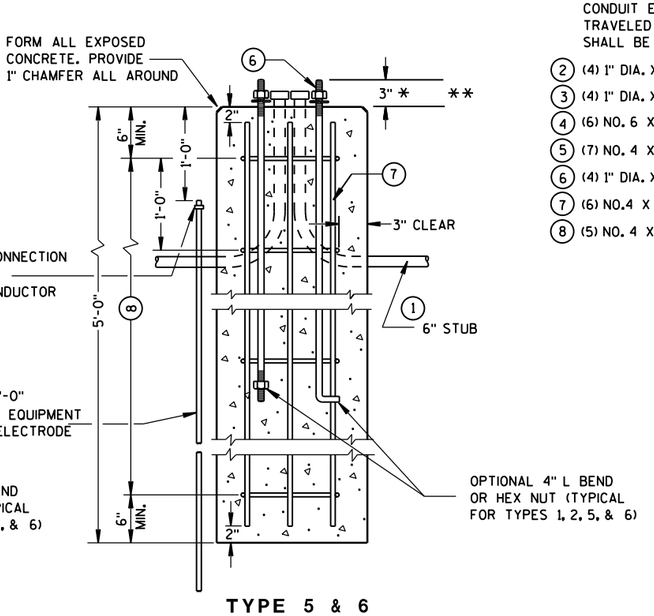
HALF SECTION IN UNPAVED AREA
(TYPICAL FOR TYPES 1, 2, 5, & 6)

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.

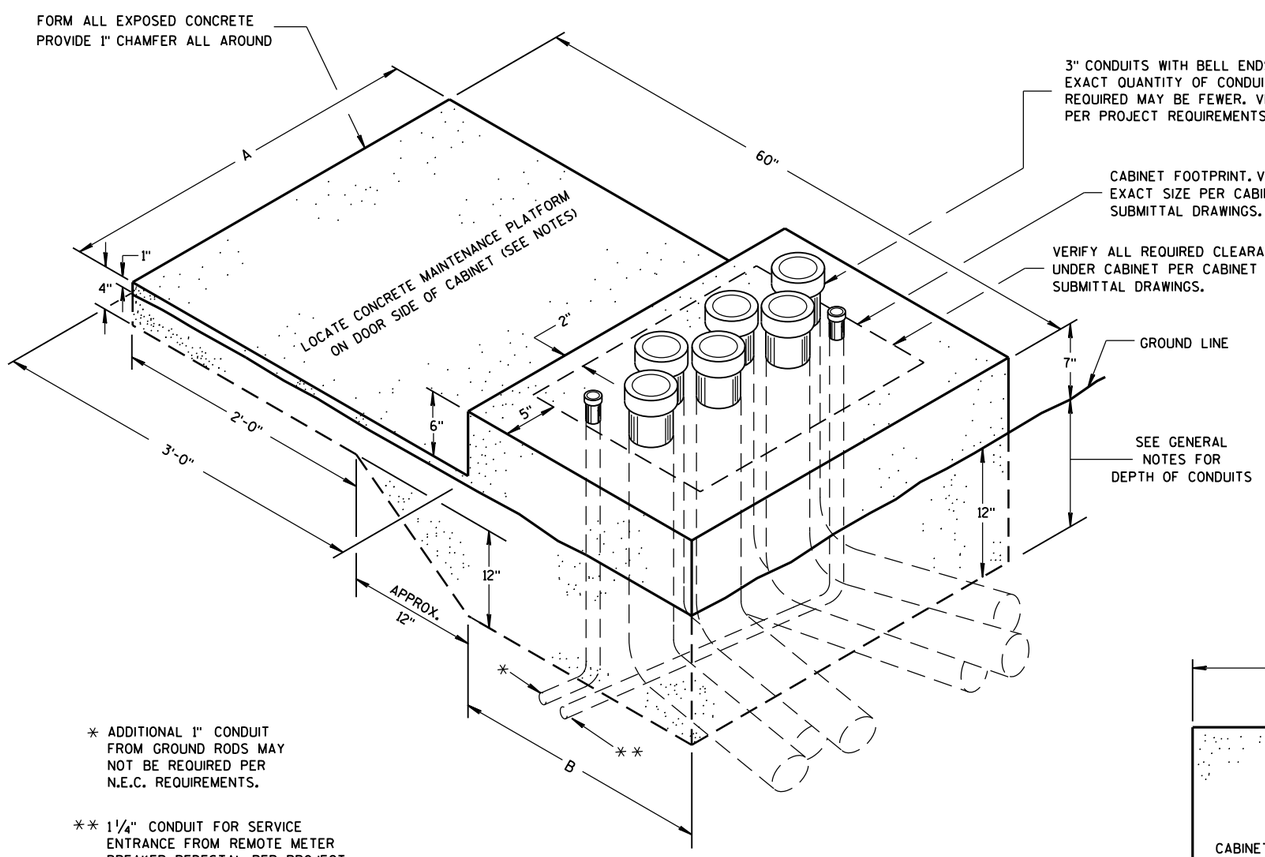
CONCRETE BASES, TYPES 1, 2, 5, & 6

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept. 2014 — DATE
/S/ Ahmet Demirbilek — STATE ELECTRICAL
FHWA

6

S.D.D. 9 C 2-7



* ADDITIONAL 1" CONDUIT FROM GROUND RODS MAY NOT BE REQUIRED PER N.E.C. REQUIREMENTS.

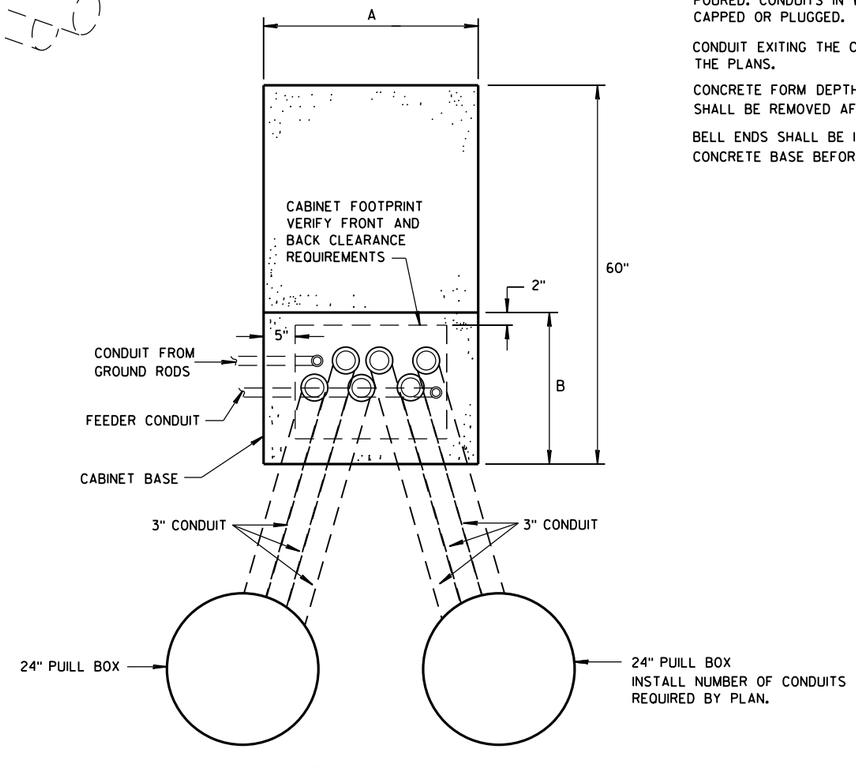
** 1¼" CONDUIT FOR SERVICE ENTRANCE FROM REMOTE METER BREAKER PEDESTAL PER PROJECT REQUIREMENTS. VERIFY LOCATION OF CONDUIT DEPENDENT UPON LOCATION OF INCOMING FEEDER AND FOR EASE OF CONNECTION TO LOAD CENTER.

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.

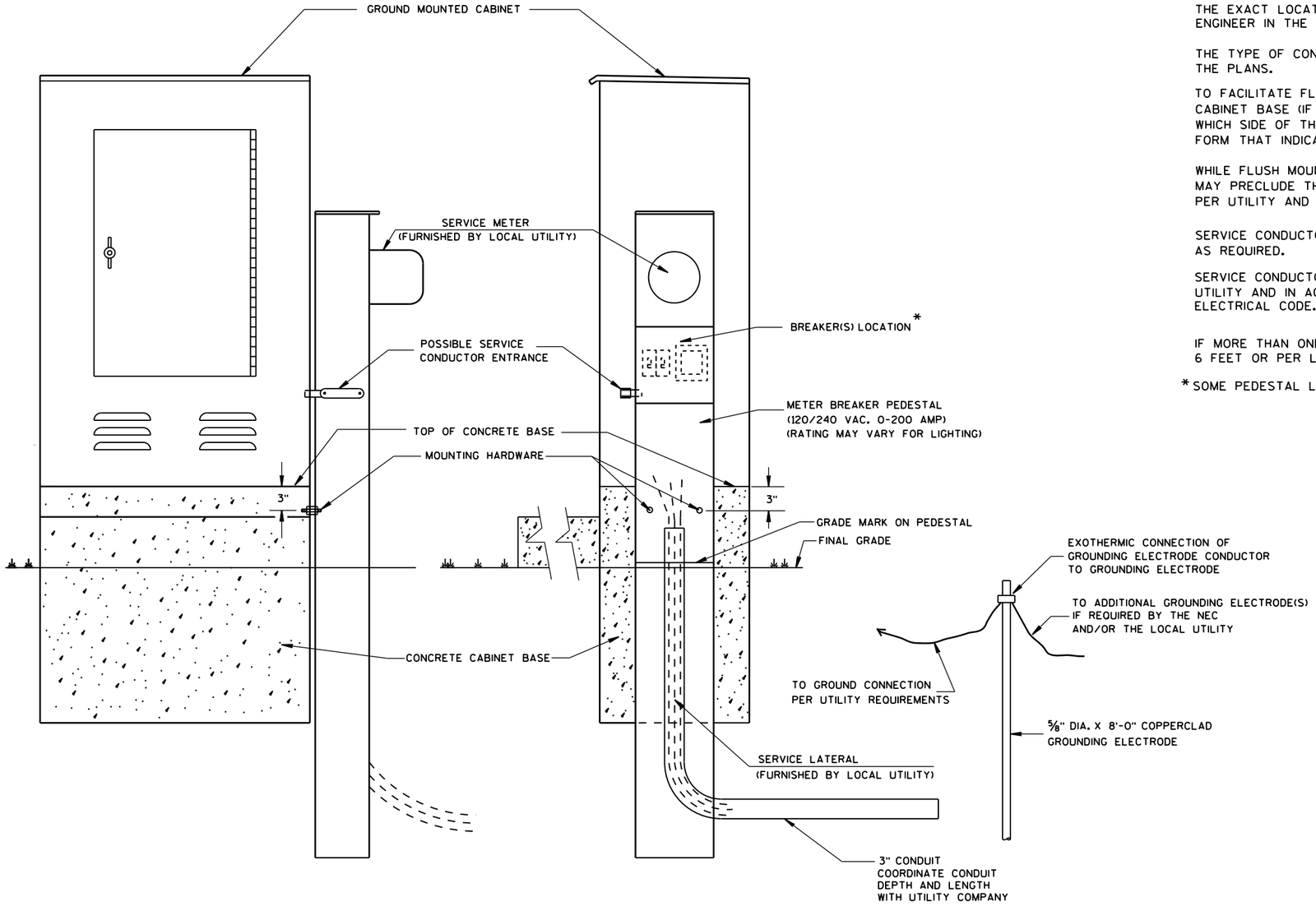
BELL ENDS SHALL BE INSTALLED ON ALL PVC CONDUIT EXPOSED AT THE TOP OF THE CONCRETE BASE BEFORE INSTALLATION OF CABLE OR WIRE.

CONCRETE CONTROL CABINET BASE, TYPE L

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Nov. 2014 — DATE
/S/ Thomas Gonring — STATE LIGHTING ENGINE
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.

CABINET SERVICE INSTALLATION (METER BREAKER PEDESTAL)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept. 2014 — DATE
/S/ Ahmet Demirbilek — STATE ELECTRICAL
FHWA

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S.D.D. 9 D 1-5

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.

ALL INTERNAL ELECTRICAL COMPONENTS WILL BE PRE-WIRED BY THE CABINET FABRICATOR.

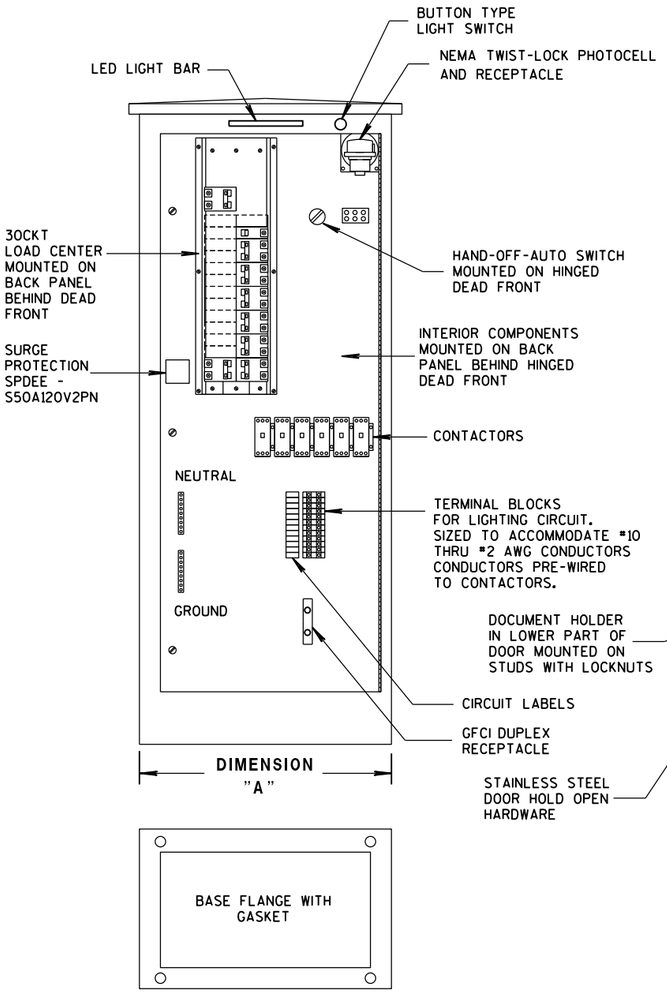
ALL CONDUIT ENTRIES SHALL BE SEALED WITH AN APPROPRIATE DUCT SEALING COMPOUND.

ORIENT PHOTOCELL AWAY FROM AMBIENT LIGHT SOURCES AND ONCOMING TRAFFIC HEADLIGHTS.

THE CONTRACTOR SHALL TOUCH UP ANY DAMAGE TO THE ANODIZED FINISH CAUSED BY THE INSTALLATION PROCESS. COLOR MATCH PAINT SHALL BE USED.

A COMPLETE LIGHTING OR ELECTRICAL PLAN SHALL BE SECURELY PLACED IN THE DOCUMENT HOLDER ATTACHED TO THE DOOR.

FRONT INTERIOR ELEVATION



SIDE VIEW

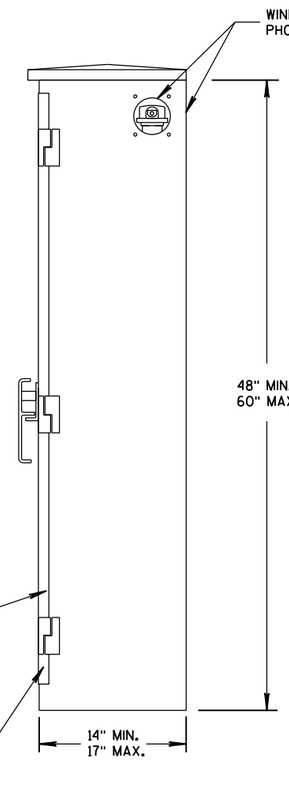
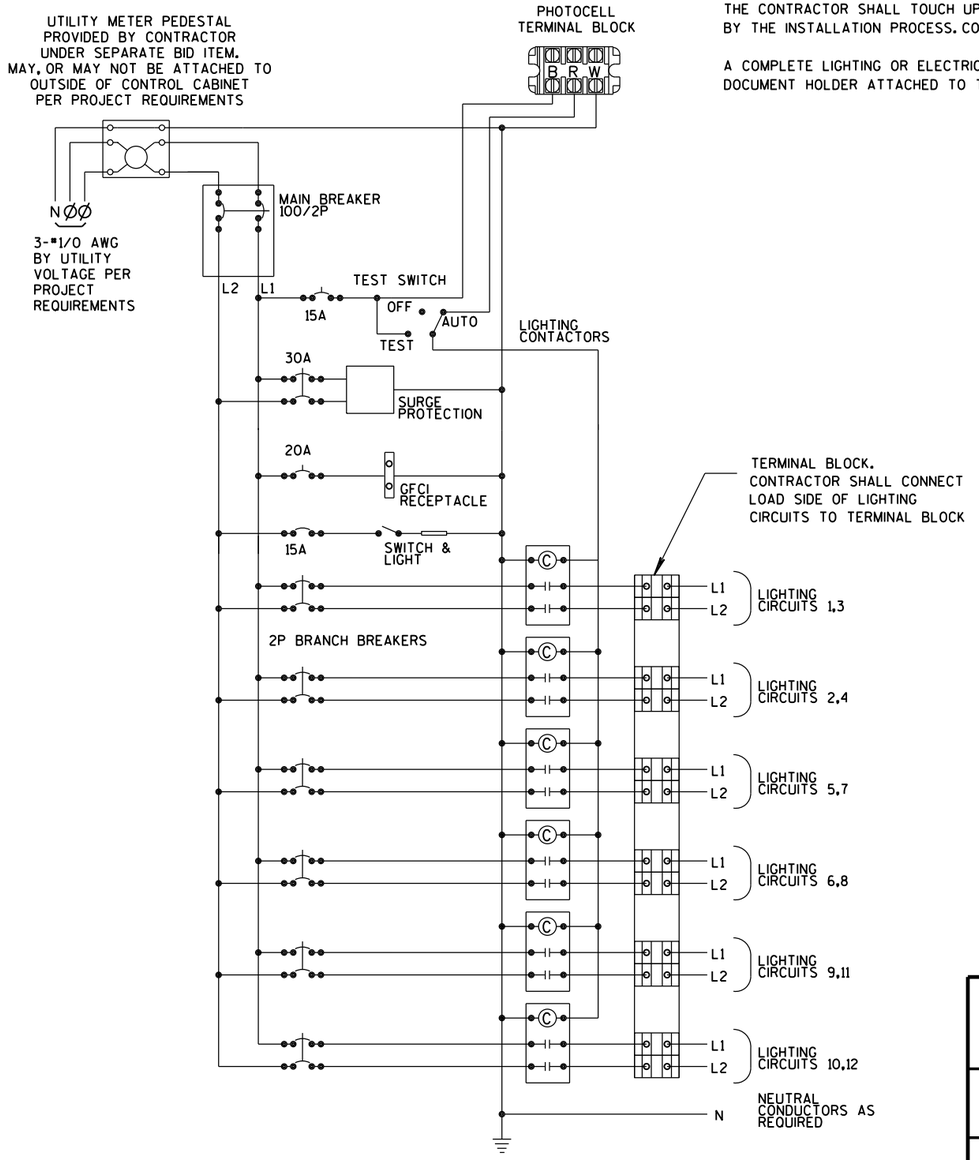


TABLE OF DIMENSIONS (INCHES)

CONCRETE BASE TYPE	CABINET WIDTH	DIMENSION "A"
L24	24"	24"
L30	30"	30"

LIGHTING CONTROL CABINET



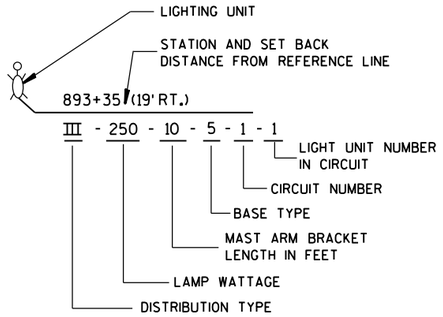
CONTROL CABINET SCHEMATIC

LIGHTING CONTROL CABINET 120/240 VOLT

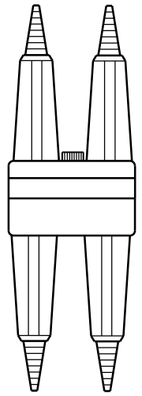
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept. 2014 DATE
/S/ Thomas Gonring STATE LIGHTING ENGINEER
FHWA

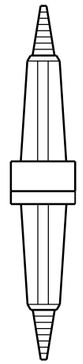
6
S.D.D. 9 D 4-2



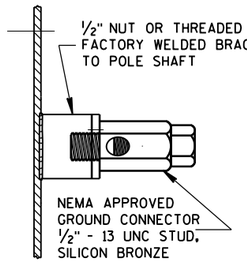
LIGHTING UNIT CODE
(TYPICAL)

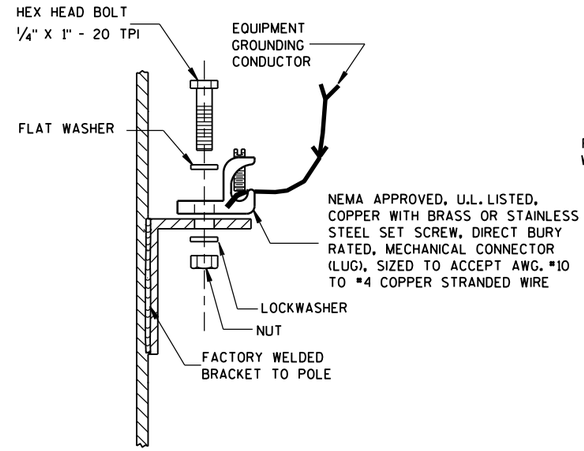


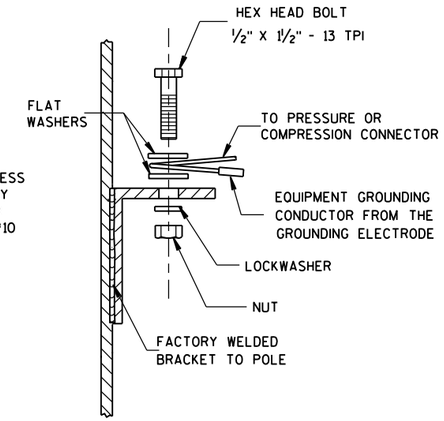
DETAIL "A"
BREAKAWY
DOUBLE POLE WITH
WATERPROOF
INSULATING BOOT



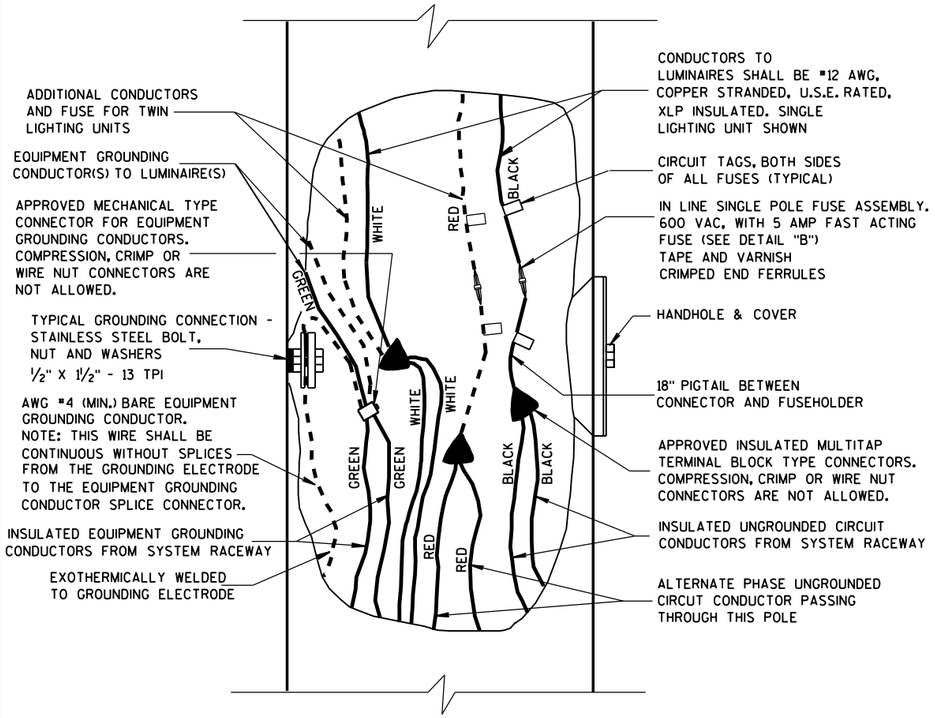
DETAIL "B"
BREAKAWY
SINGLE POLE WITH
WATERPROOF
INSULATING BOOT



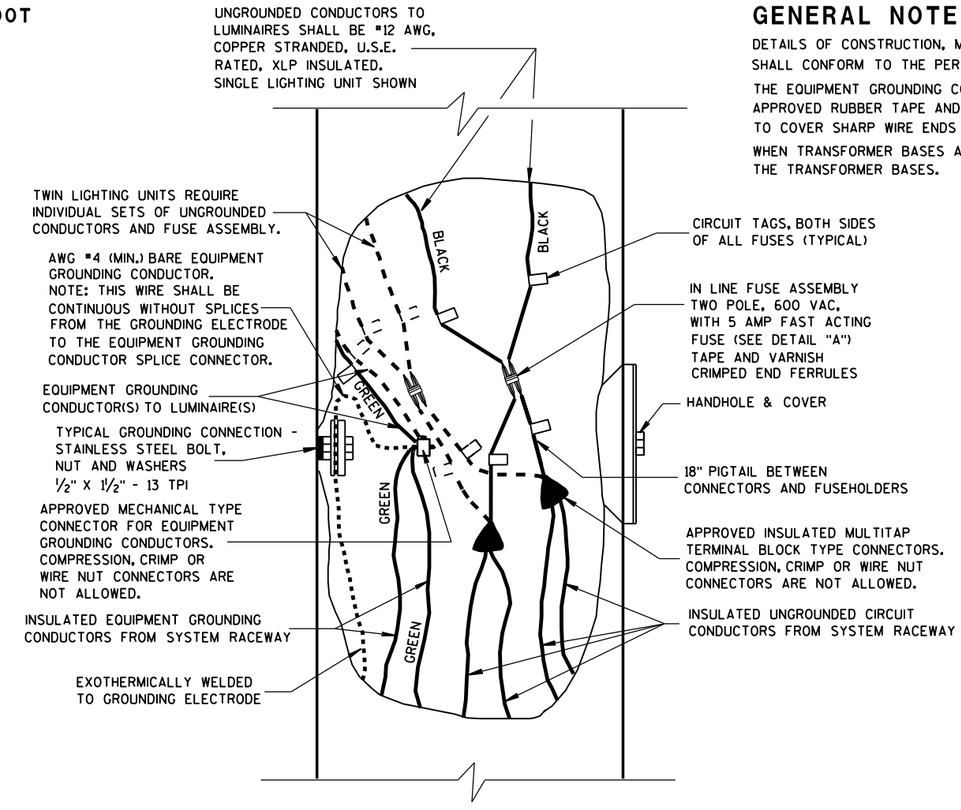




TYPICAL GROUNDING CONNECTIONS
NUT, BOLT, WASHERS AND LOCKWASHERS SHALL BE STAINLESS STEEL



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.

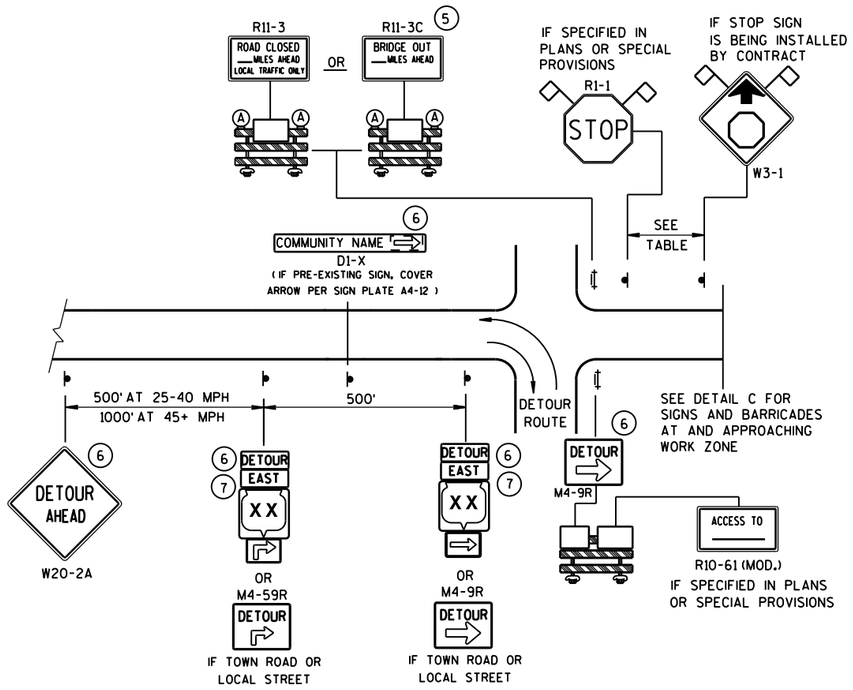
WHEN TRANSFORMER BASES ARE USED, ALL WIRING CONNECTIONS SHALL OCCUR WITHIN THE TRANSFORMER BASES.

NON-FREEWAY LIGHTING UNIT POLE WIRING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

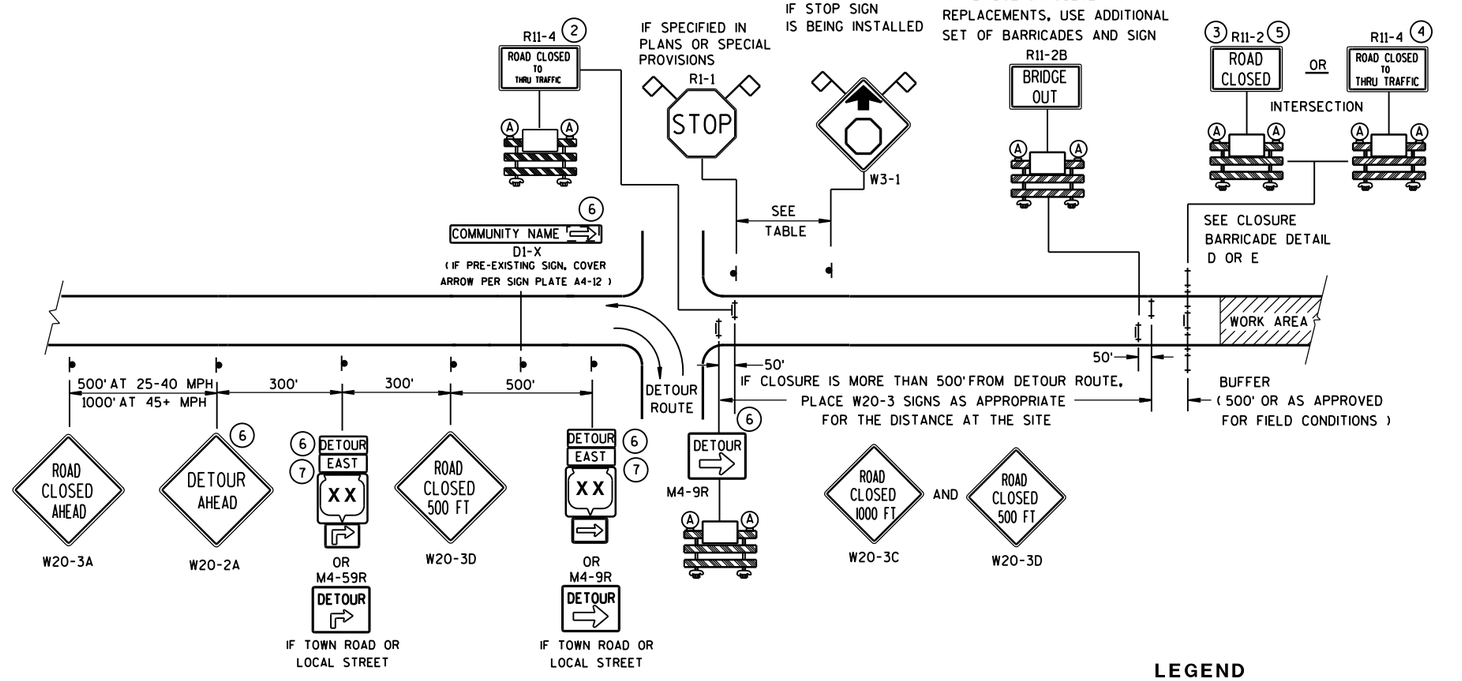
APPROVED
Sept. 2014 — DATE
/S/ Ahmet Demirbilek — STATE ELECTRICAL
FHWA

6
S.D.D. 9 E 3-5



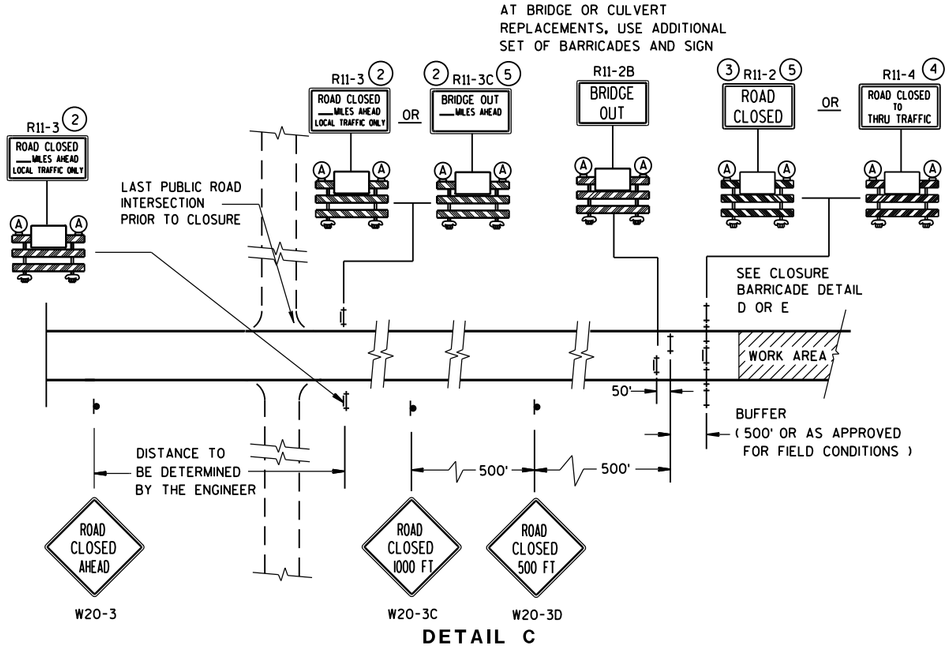
DETAIL A
MAINLINE CLOSURE WITH POSTED DETOUR

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

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)

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

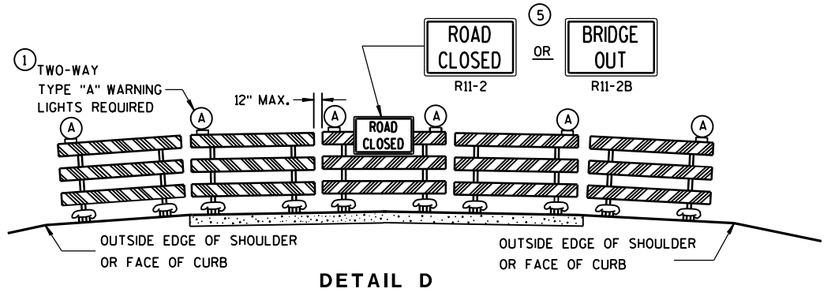
BARRICADES AND SIGNS FOR MAINLINE CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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

6

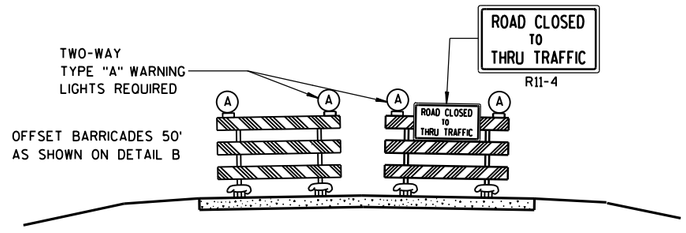
S.D.D. 15 C 2-6a



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

6

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.

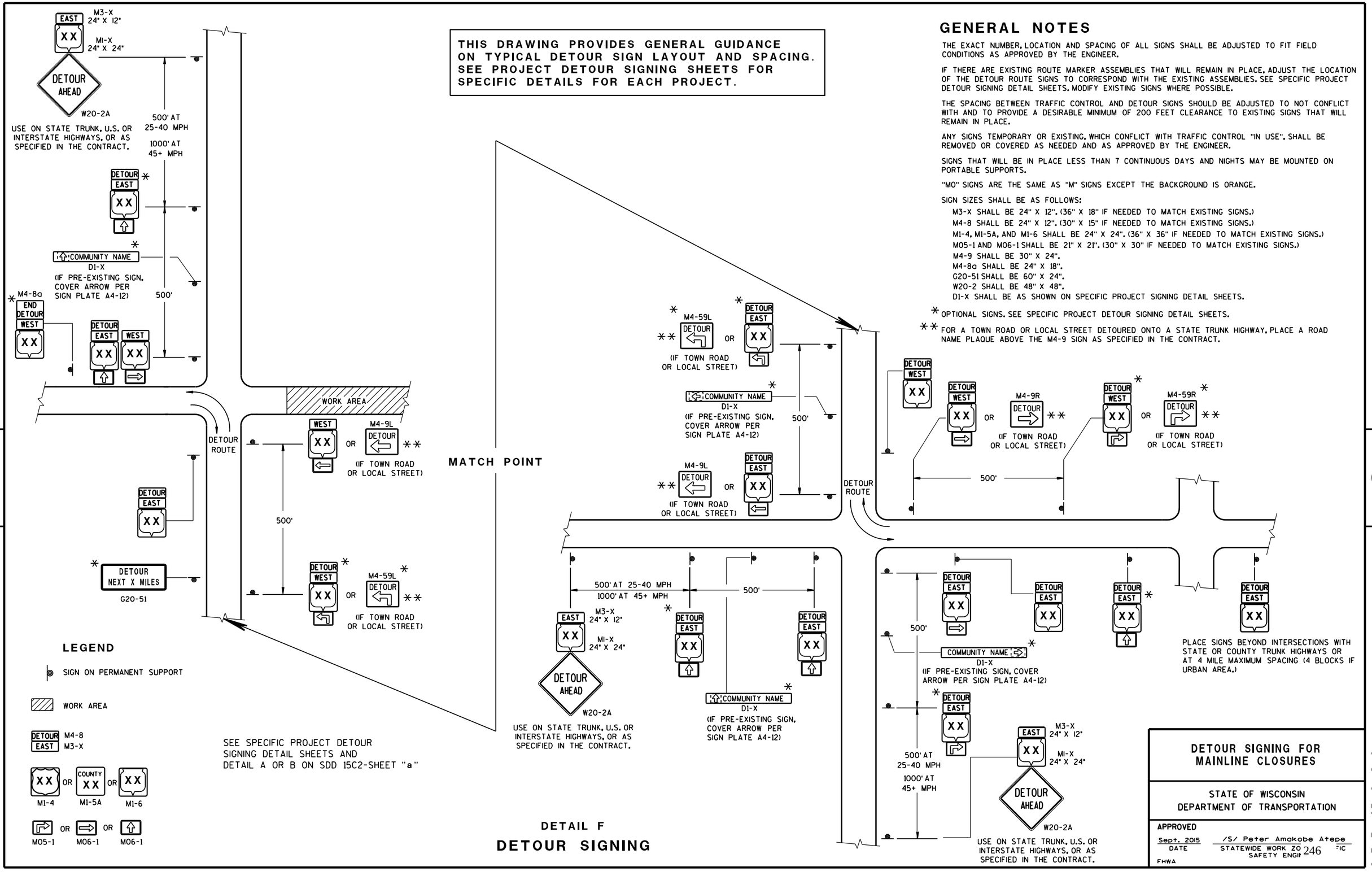
"MO" SIGNS ARE THE SAME AS "M" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

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

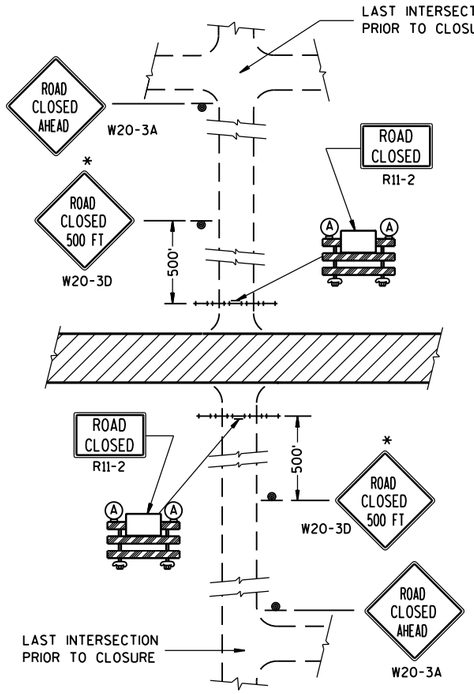
Sept. 2015 — DATE

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

FHWA

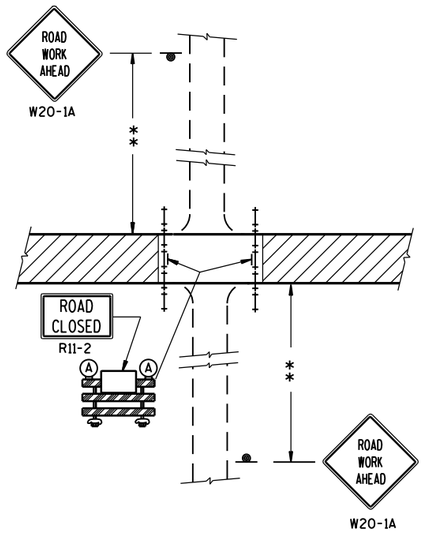
S.D.D. 15 C 2-6c

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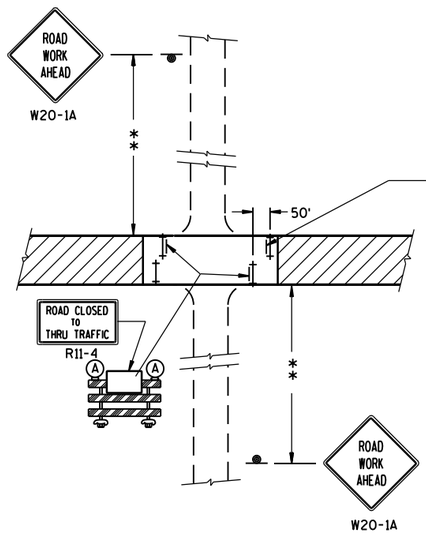
DETAIL 1

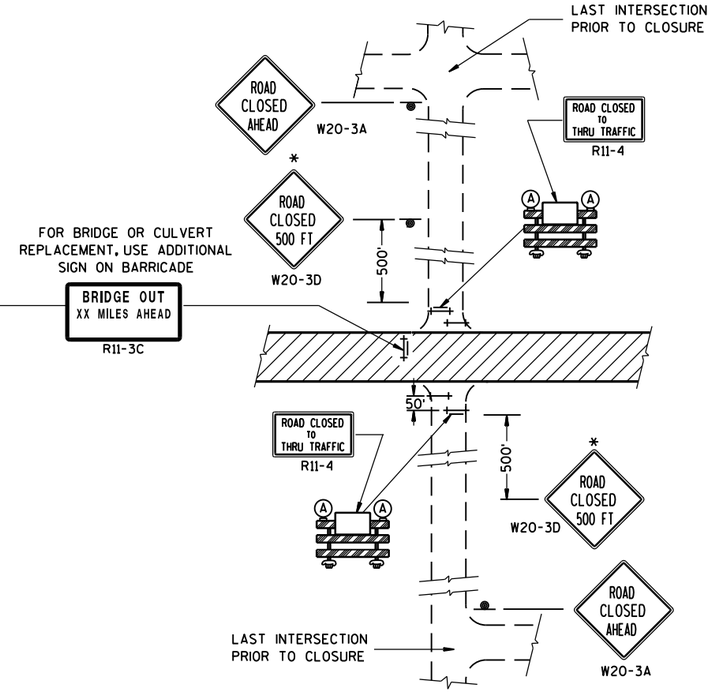
(NO ACCESS TO PROJECT)



DETAIL 2

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





DETAIL 3

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

DETAIL 4

(CONTRACTOR, LOCAL BUSINESS AND RESIDENT ACCESS TO PROJECT)

GENERAL NOTES

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

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

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

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

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

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

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

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

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

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

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

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

LEGEND

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

BARRICADES AND SIGNS FOR SIDEROAD CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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

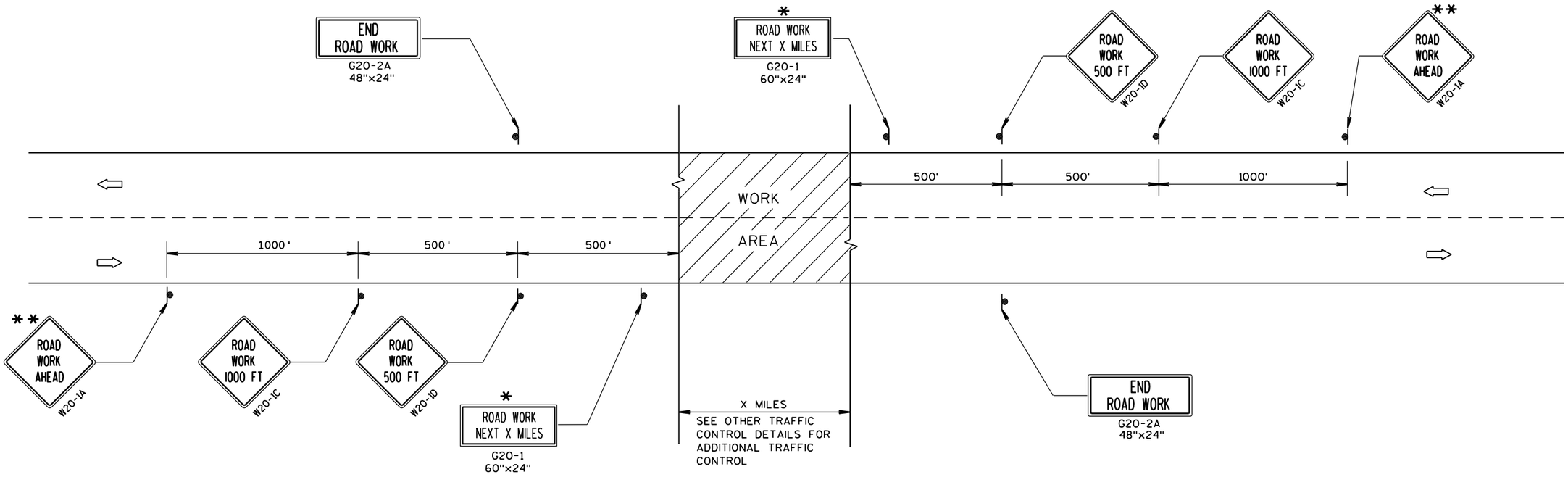
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S.D.D. 15 C 3-3

6

S.D.D. 15 C 3-3

TYPICAL SIDEROAD APPROACH WARNING SIGN DETAIL



GENERAL NOTES

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

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

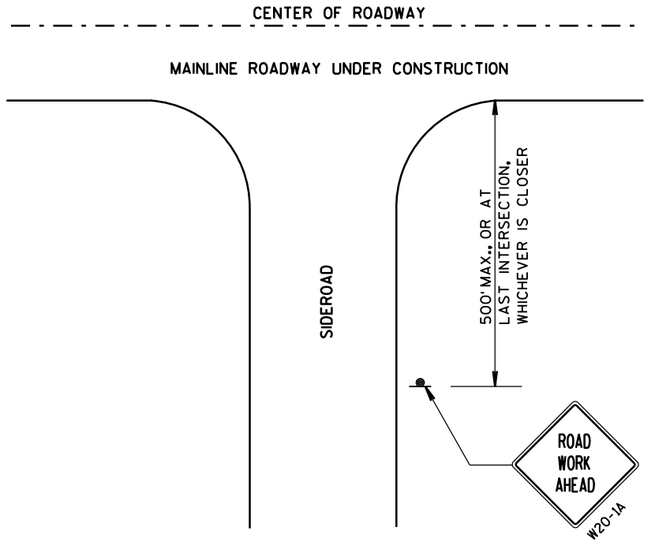
ALL SIGNS ARE 48"x48" UNLESS OTHERWISE NOTED.

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

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

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

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



LEGEND

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

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

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

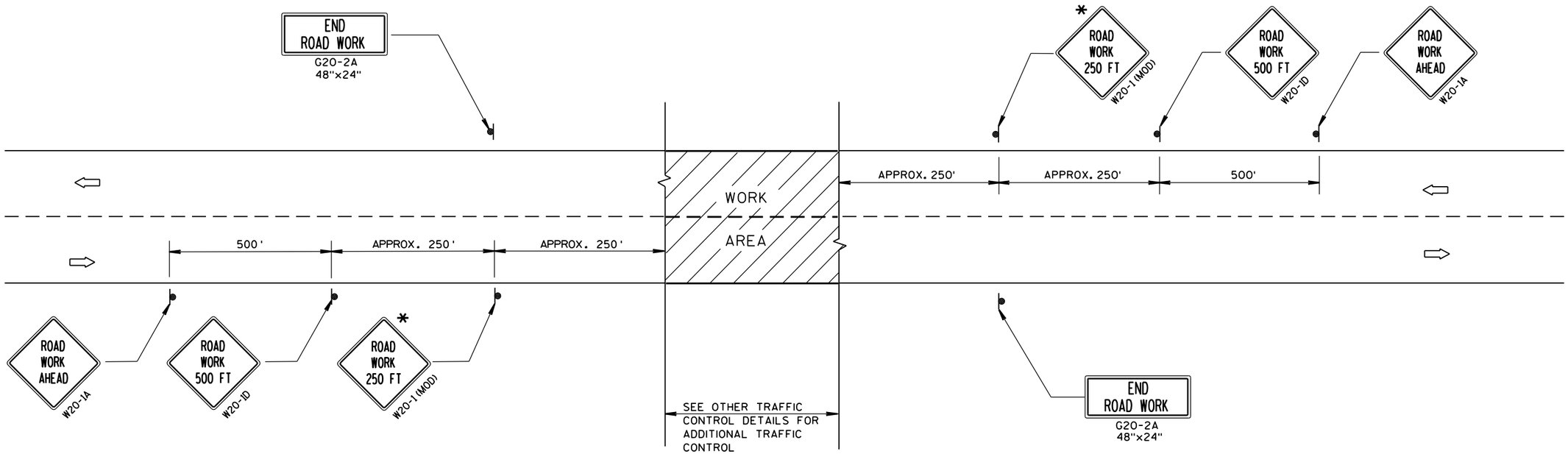
Sept. 2015	/S/ Peter Amakobe Atepe
DATE	STATEWIDE WORK ZONE SAFETY ENGINEER

FHWA

6

S.D.D. 15 C 4-3

TYPICAL SIDEROAD APPROACH WARNING SIGN DETAIL



GENERAL NOTES

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

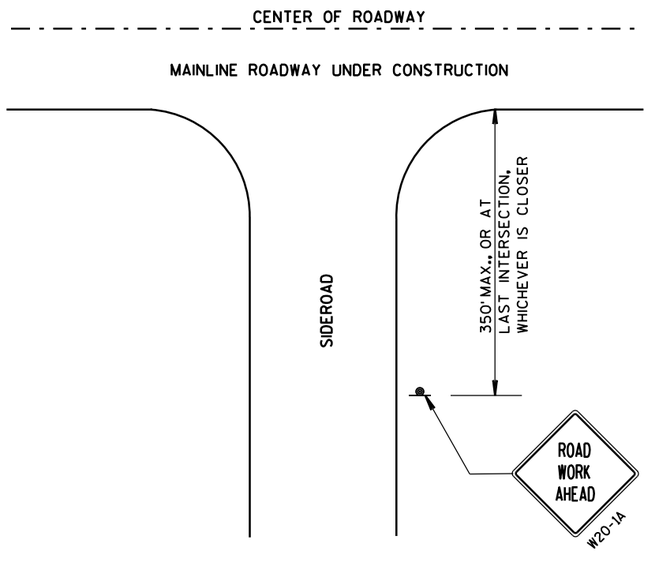
THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND SHOULD PROVIDE A DESIRABLE MINIMUM OF 200 FEET CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

ALL SIGNS ARE 48"x48" UNLESS OTHERWISE NOTED. IF NECESSARY DUE TO SPACE CONSTRAINTS, 36"x36" SIGNS MAY BE USED INSTEAD OF 48"x48" SIGNS.

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

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

* THE THIRD W20-1 SIGN IS REQUIRED ONLY IF THERE IS AN INTERSECTION BETWEEN THE "ROAD WORK 500 FT" SIGN AND THE WORK ZONE. ADJUST THE PLACEMENT OF THIS SIGN BASED ON INTERSECTION LOCATION AND OTHER FIELD CONDITIONS.



LEGEND

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

TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 M.P.H. OR LESS TWO-WAY UNDIVIDED ROAD OPEN TO TRAFFIC

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

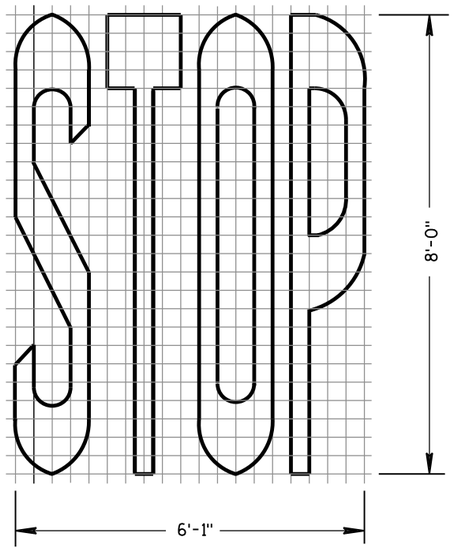
APPROVED
Sept. 2015 — DATE
/S/ Peter Amakobe Atepe
STATEWIDE WORK ZONE SAFETY ENGINEER
FHWA

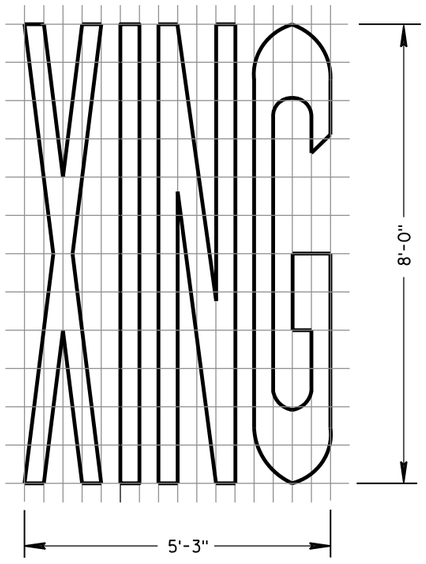
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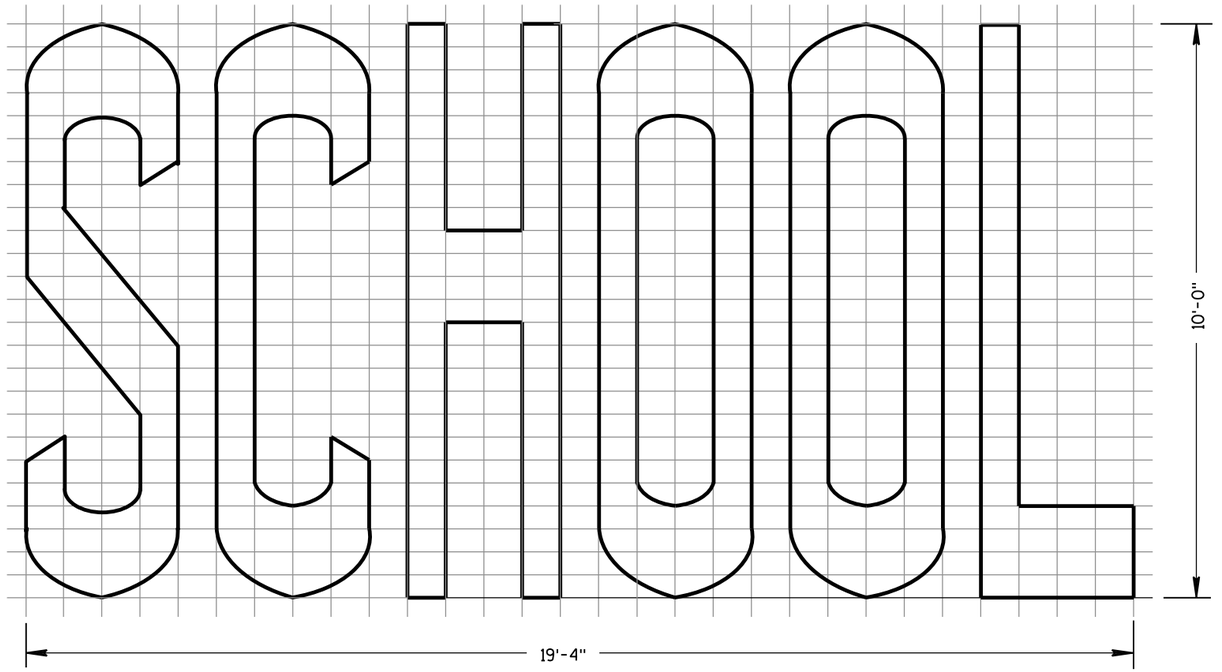
S.D.D. 15 C 5-3

GENERAL NOTES

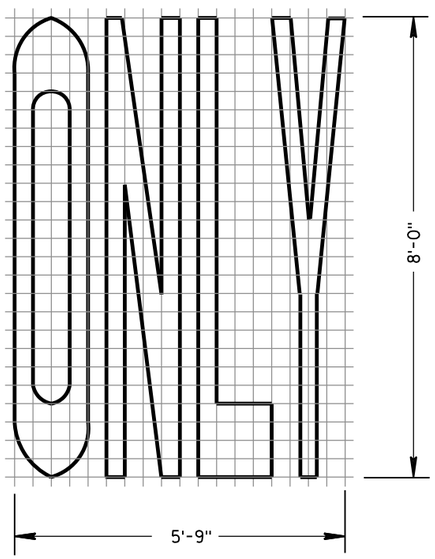
DETAILS OF INSTALLATION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.

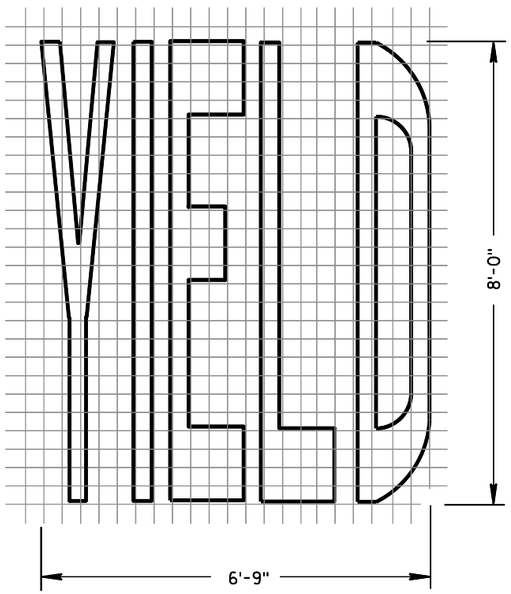


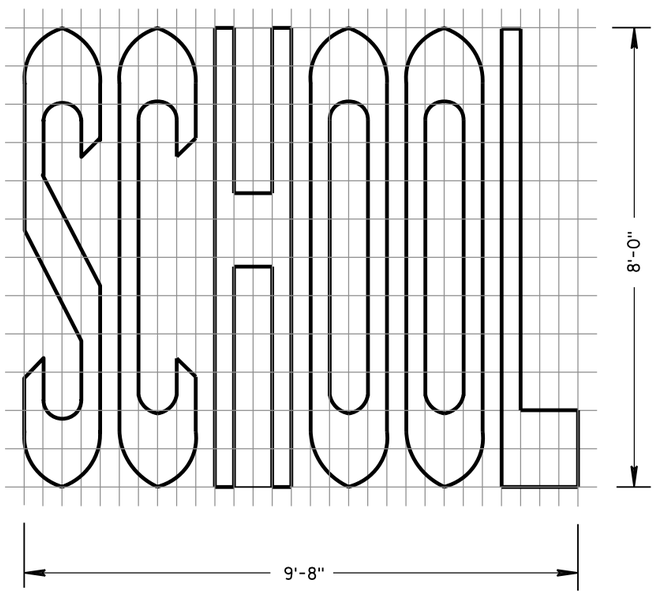




TWO-LANE







SINGLE-LANE

PAVEMENT MARKING WORDS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June 2017 — DATE
/S/ Matthew R. Rauch — STATE SIGNING AND MARK
250
EER
FHWA

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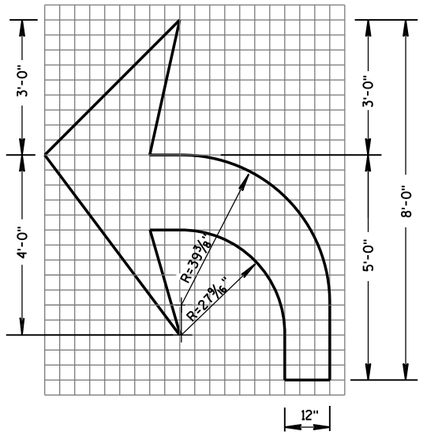
S.D.D. 15 C 7-14b

6

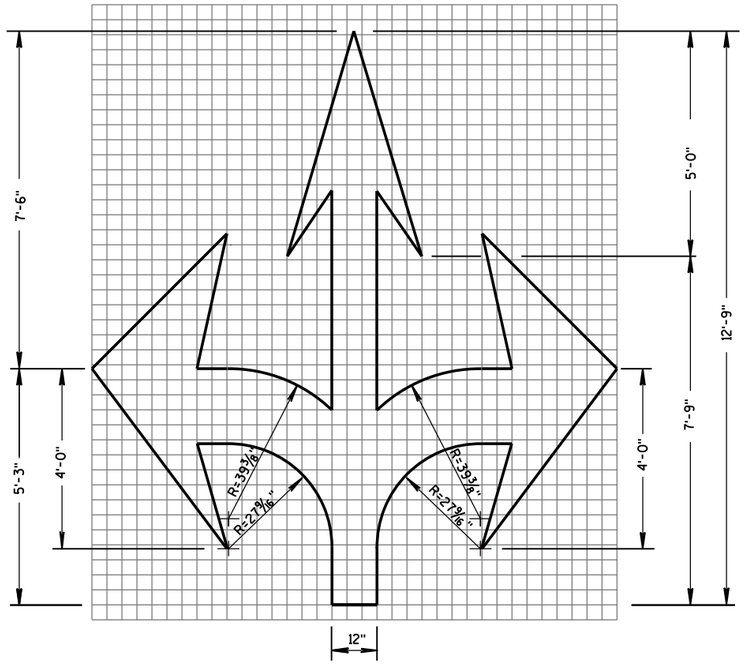
S.D.D. 15 C 7-14b

GENERAL NOTES

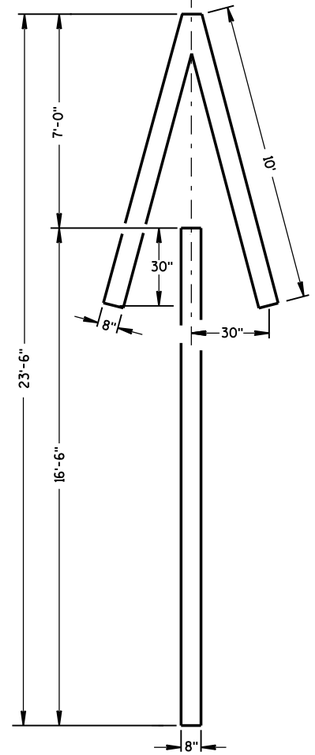
DETAILS OF INSTALLATION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.



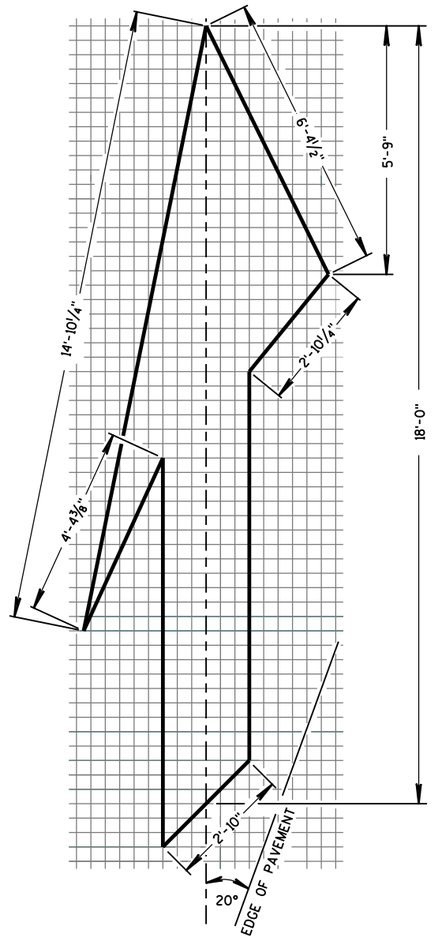
TYPE 2



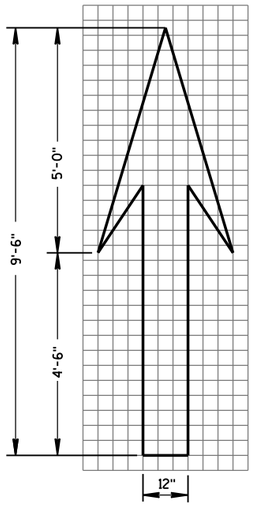
TYPE 6



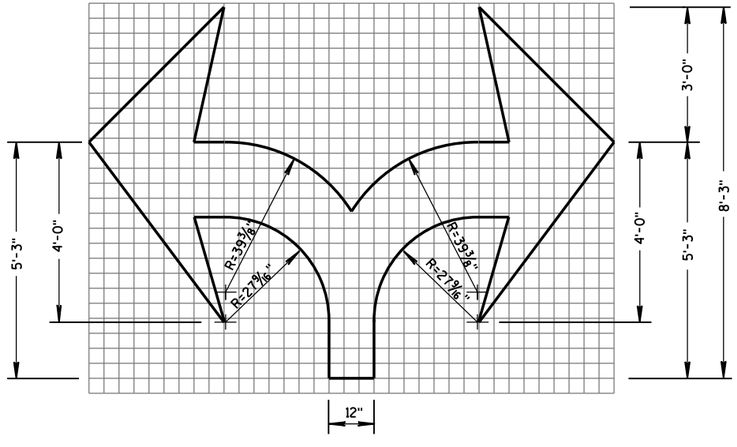
TYPE 4



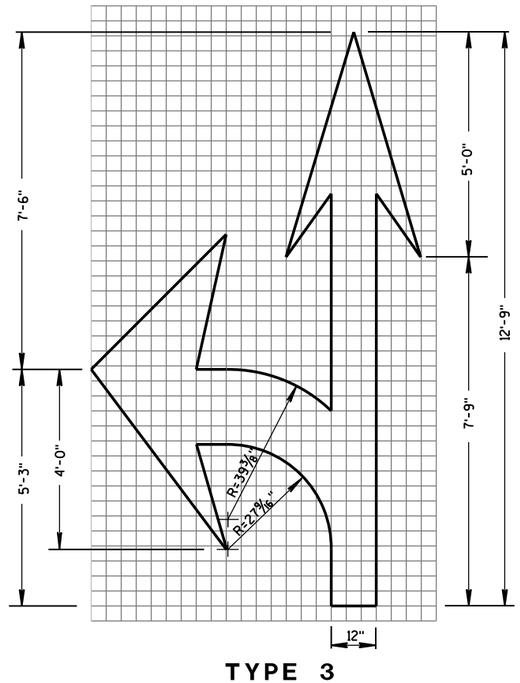
TYPE 5 LANE DROP ARROW



TYPE 1



TYPE 7



TYPE 3

PAVEMENT MARKING ARROWS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

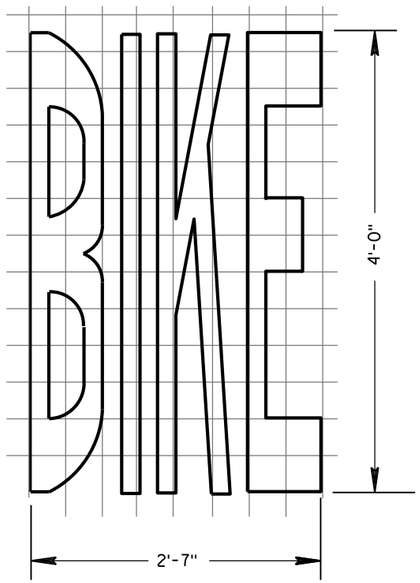
APPROVED
June 2017 — DATE
/S/ Matthew R. Rauch — STATE SIGNING AND MARKING ENGINEER
FHWA

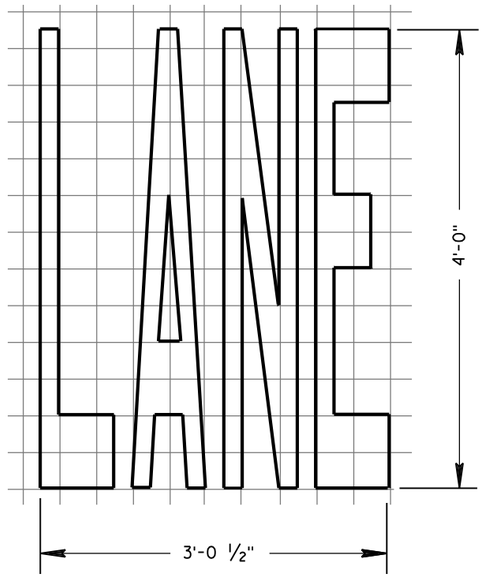
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S.D.D. 15 C 7-14c

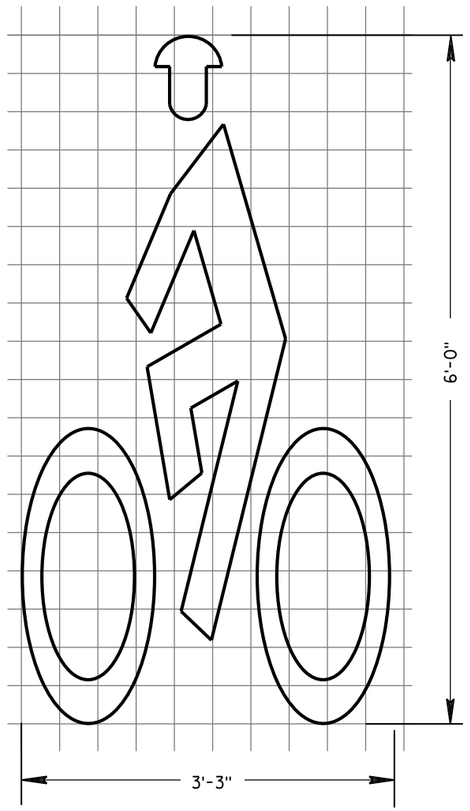
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S.D.D. 15 C 7-14c

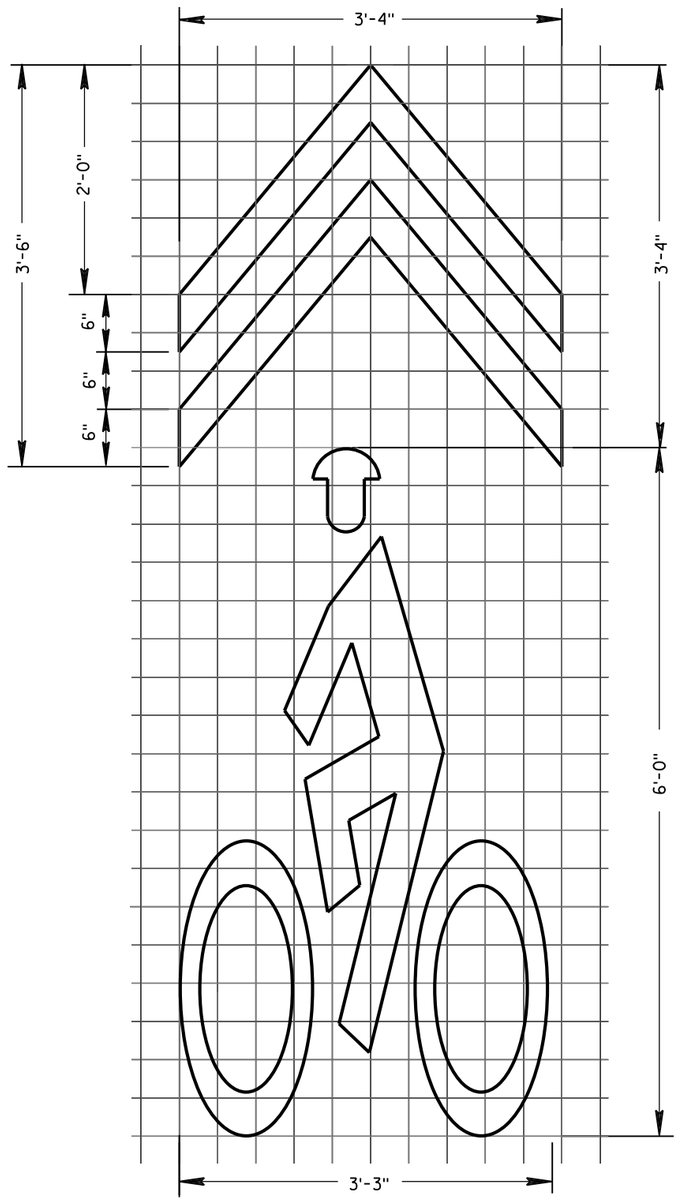




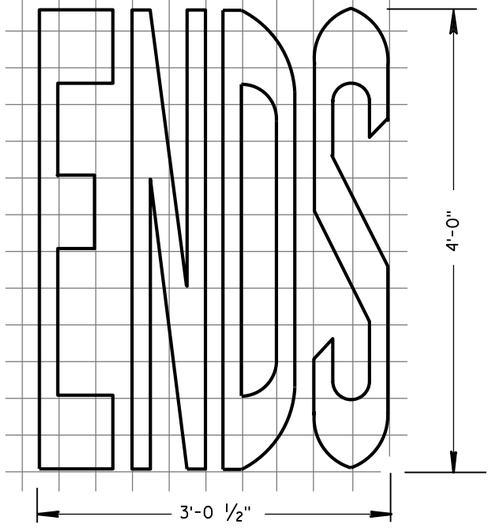
BIKE LANE WORDS



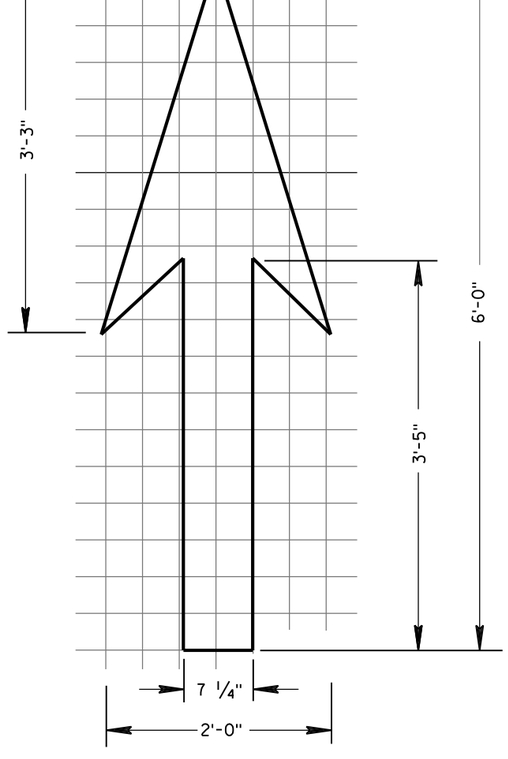
BIKE LANE SYMBOL



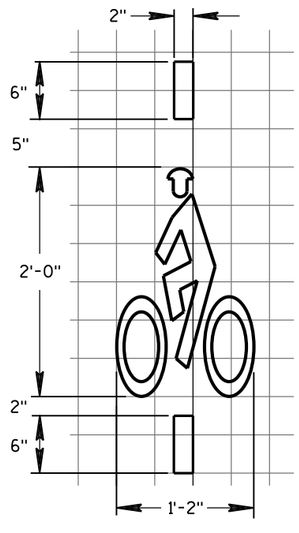
BIKE SYMBOL FOR SHARED LANE



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

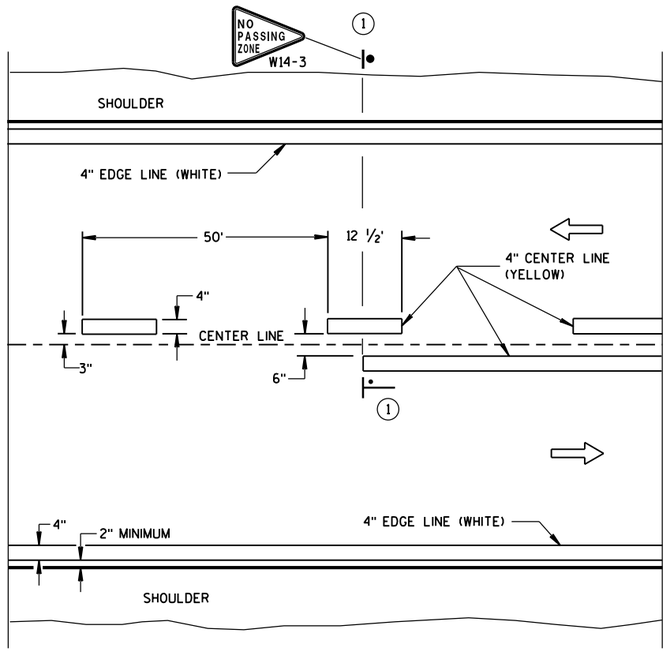
APPROVED
June 2017 — DATE
/S/ Matthew R. Rauch — STATE SIGNING AND MARKING ENGINEER
FHWA

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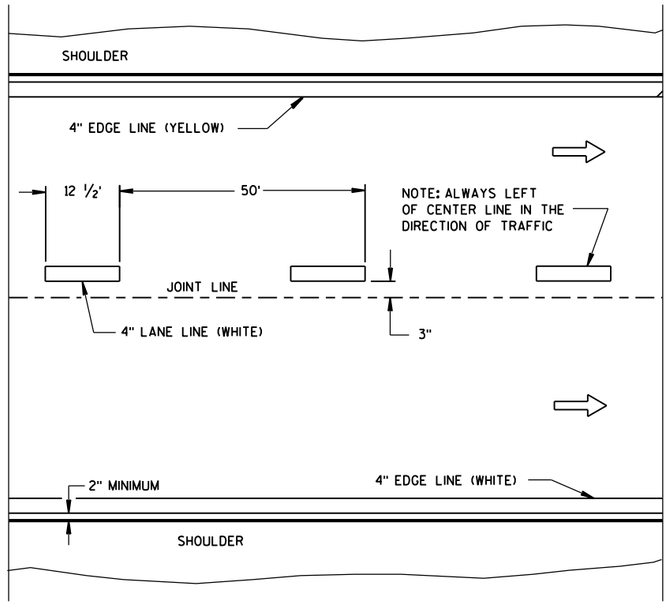
S.D.D. 15 C 7-14e

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.

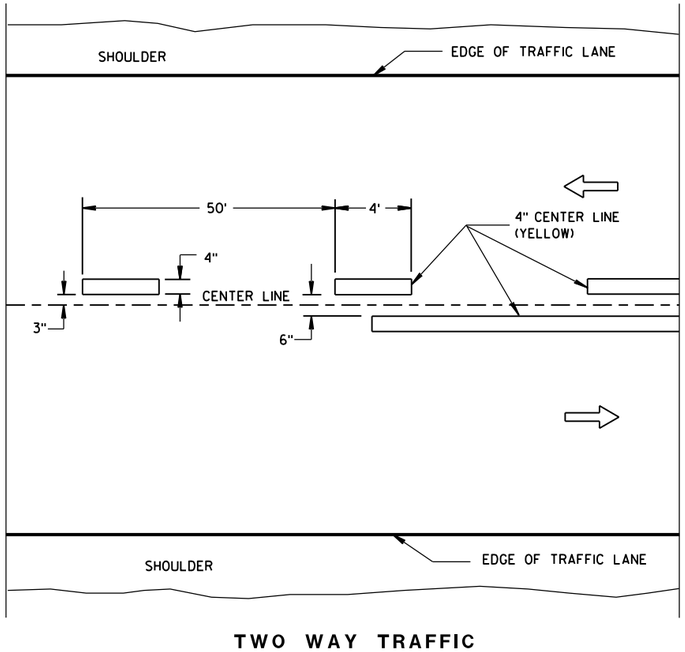
NOTE

ARROW SYMBOL (⇨) SHOWS DIRECTION OF TRAVEL

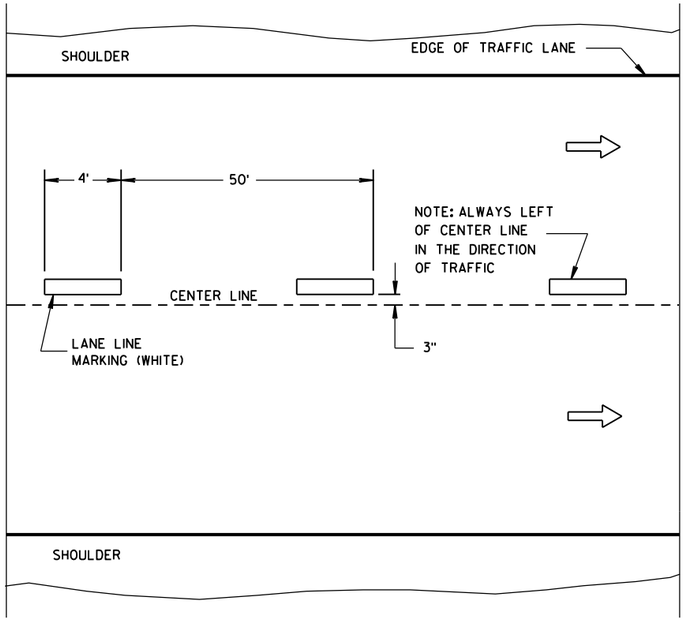
LEGEND

"T" MARKING

POST MOUNTED SIGN



TWO WAY TRAFFIC



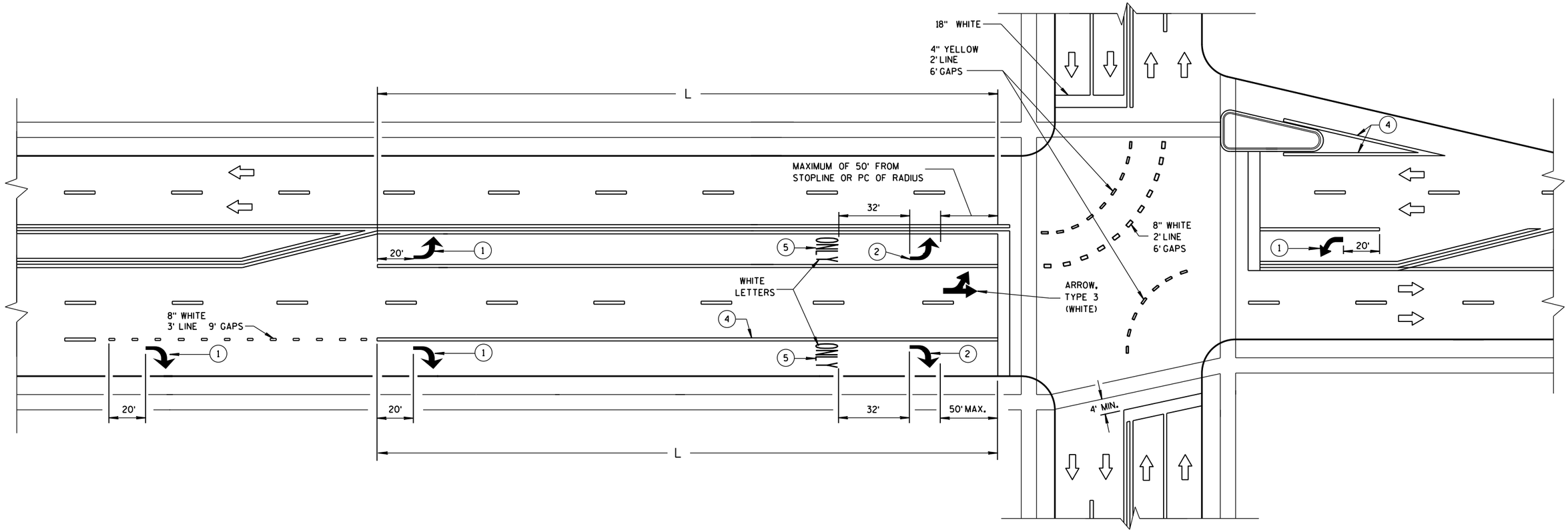
ONE WAY TRAFFIC

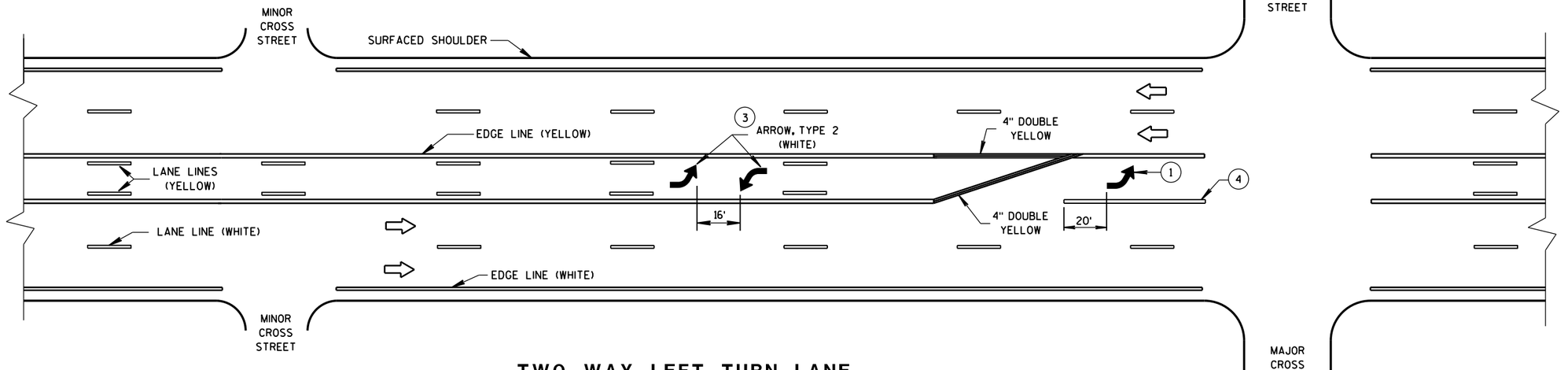
TEMPORARY PAVEMENT MARKING

LONGITUDINAL MARKING (MAINLINE)	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED June 2017 DATE	/S/ Matthew R. Rauch STATE SIGNING AND MAR[illegible]INEER
FHWA	

6

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

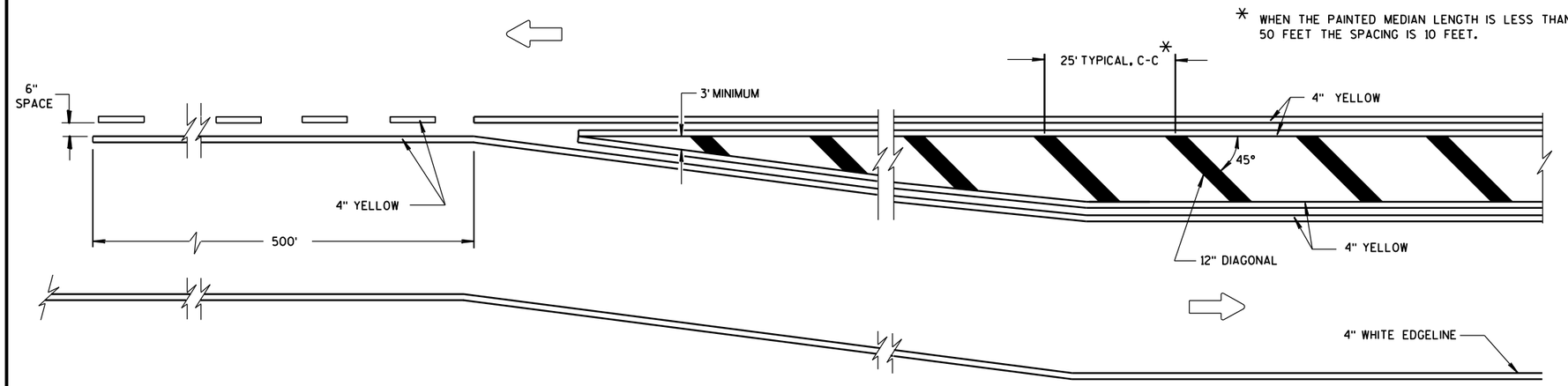
TWO WAY LEFT TURN LANE

PAVEMENT MARKING
(TURN LANES)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

6

S.D.D. 15 C 8-18b

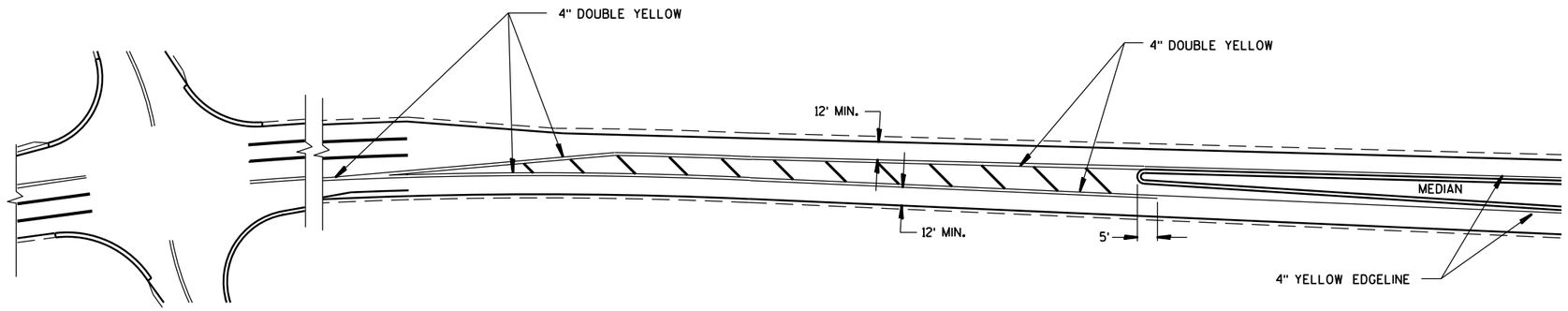


MEDIAN ISLAND DETAIL

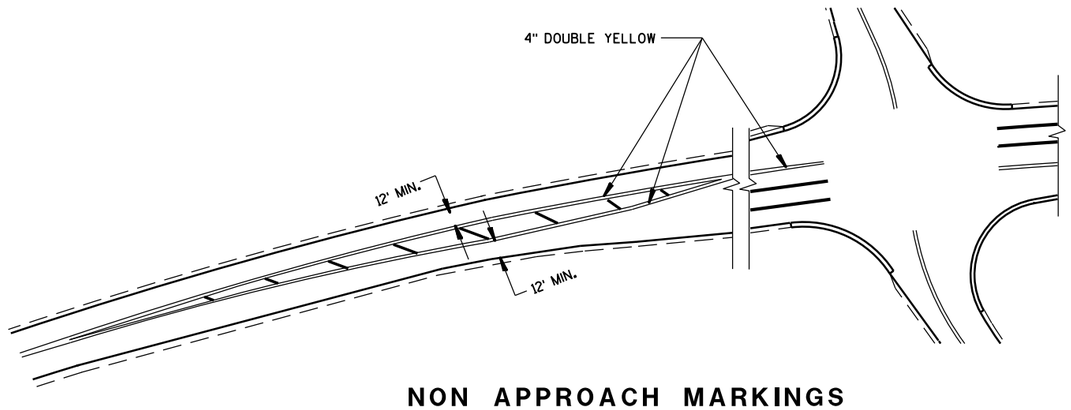
GENERAL NOTE

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

6

6

S.D.D. 15 C 18-4

S.D.D. 15 C 18-4

MEDIAN ISLAND MARKING

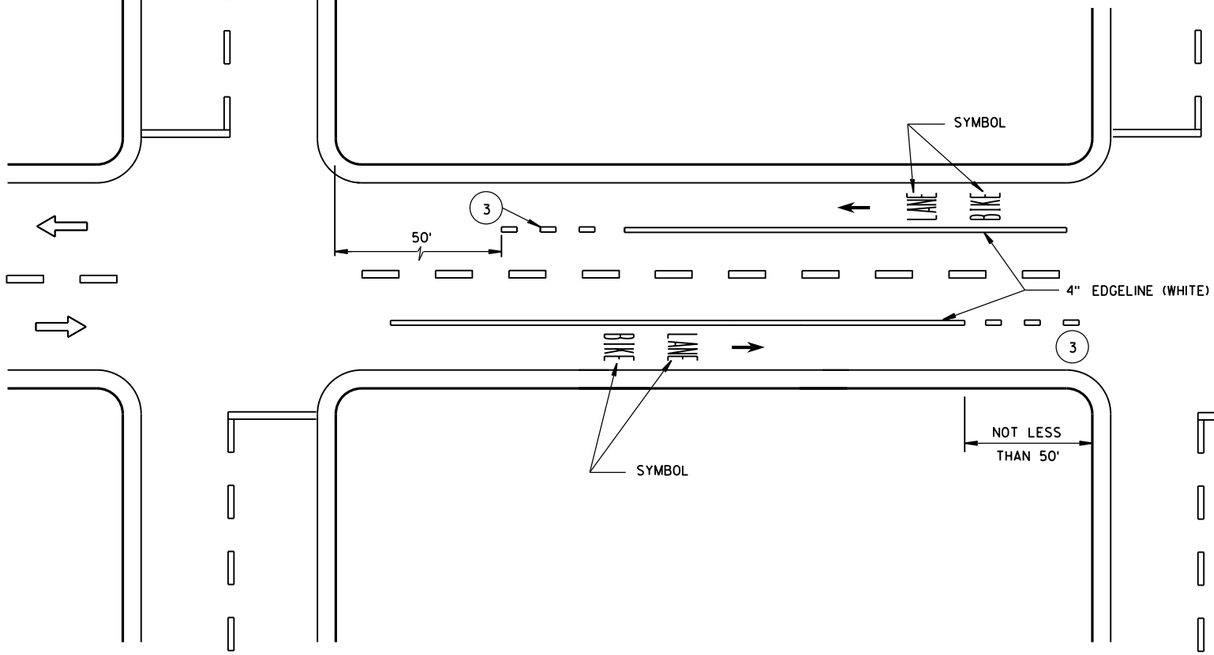
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

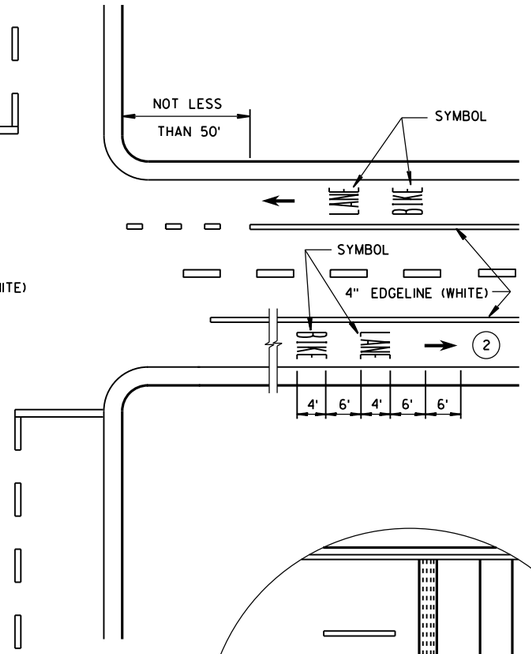
APPROVED

June 2017 — DATE

/S/ Matthew Rauch — STATE SIGNING AND MARK[illegible]EER

FHWA



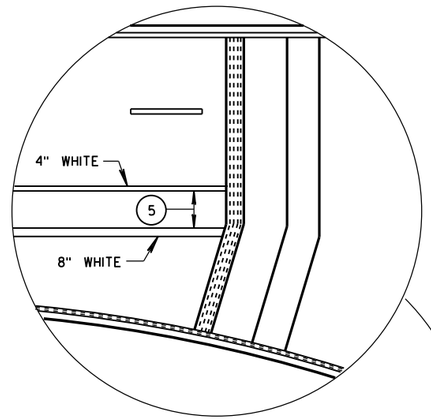


DESIGNATED BICYCLE LANE
NO PARKING

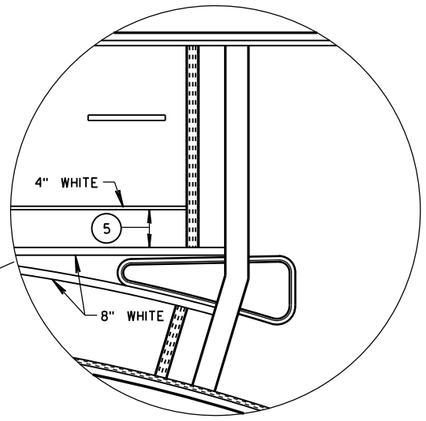
GENERAL NOTES

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.

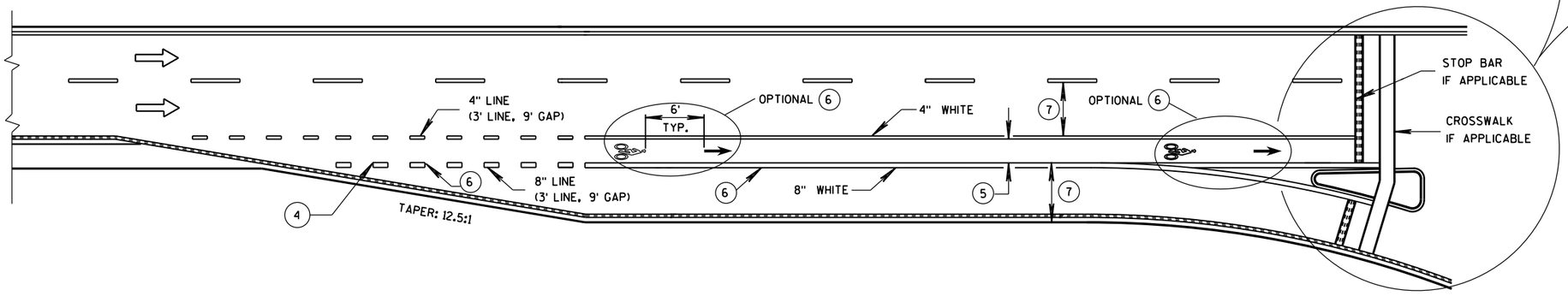
⇨ DIRECTION OF TRAVEL



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

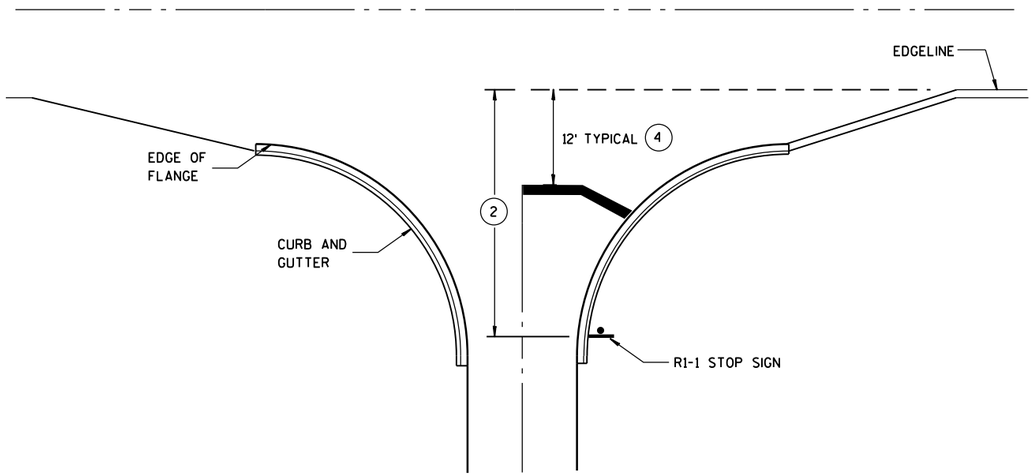
APPROVED
12-2016 DATE
/S/ Matthew R. Rauch
STATE SIGNING AND MARKING ENGINEER
FHWA

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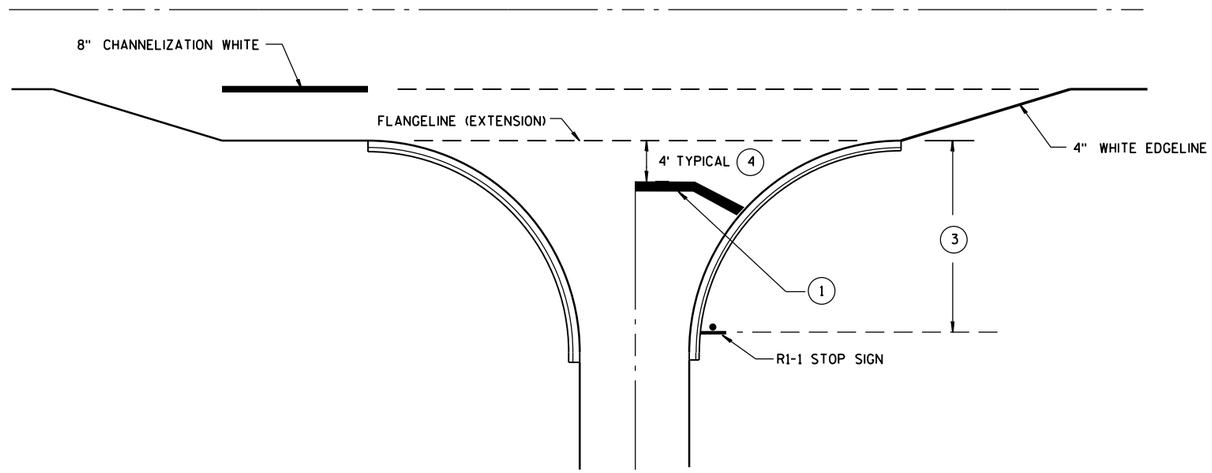
S.D.D. 15 C 29-5a

6

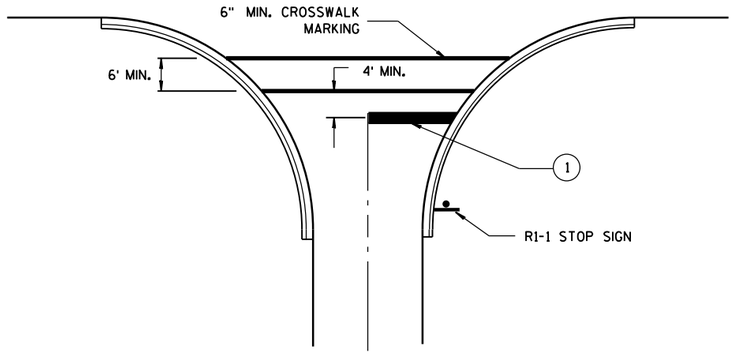
S.D.D. 15 C 29-5a



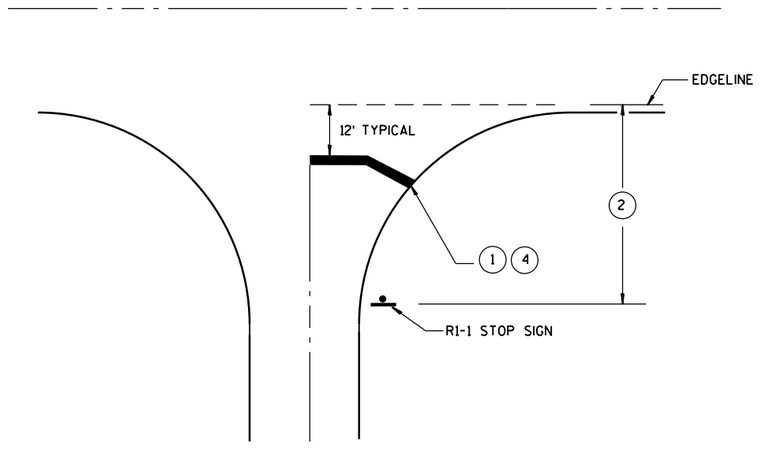
TYPICAL STOP LINE PAVEMENT MARKING WITH CURB AND GUTTER



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

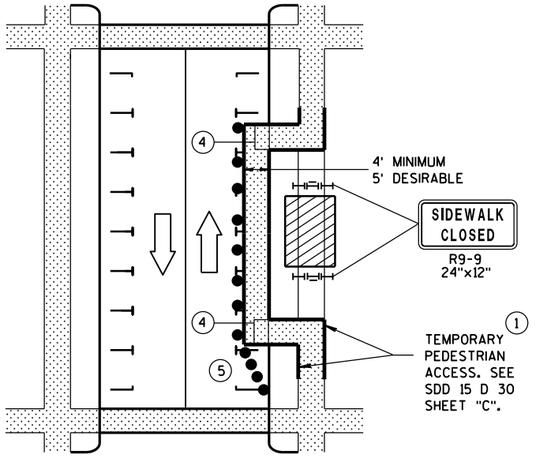
/S/ Matthew R. Rauch
STATE SIGNING AND MAR 257 NEER

FHWA

6

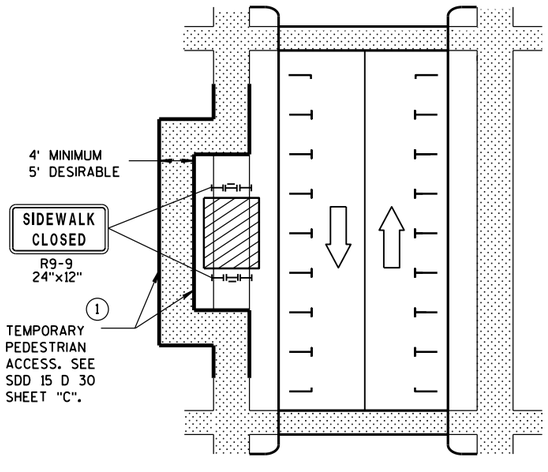
S.D.D. 15 C 33-2

NOTE: MAY BE USED ON ROADWAY WITH POSTED SPEED OF LESS THAN 40 MPH.

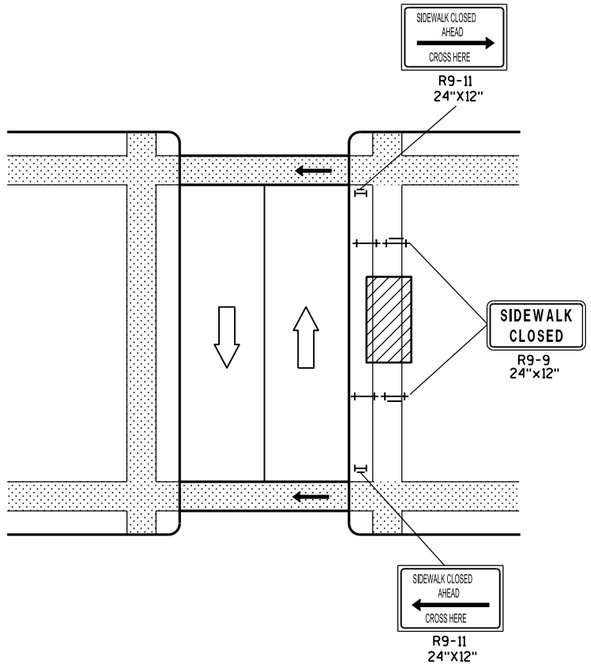


MID-BLOCK SIDEWALK CLOSURE IN PARKING LANE

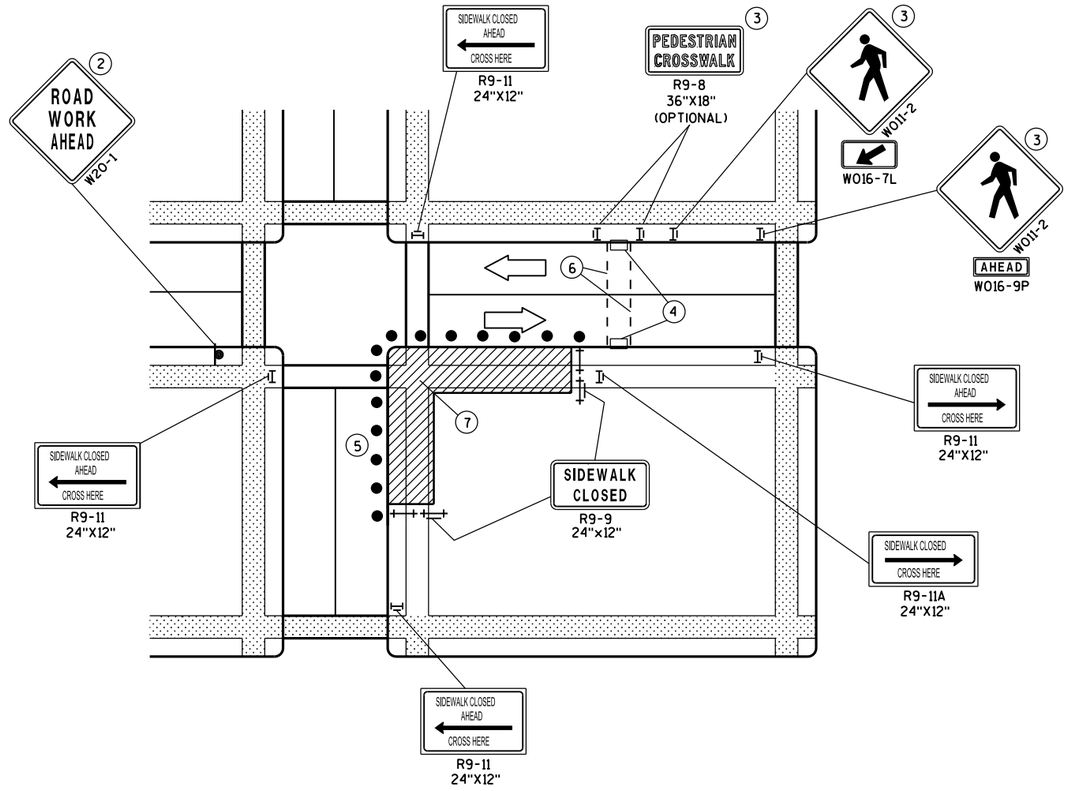
NOTE: LAYOUT SAME AS ABOVE.



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.

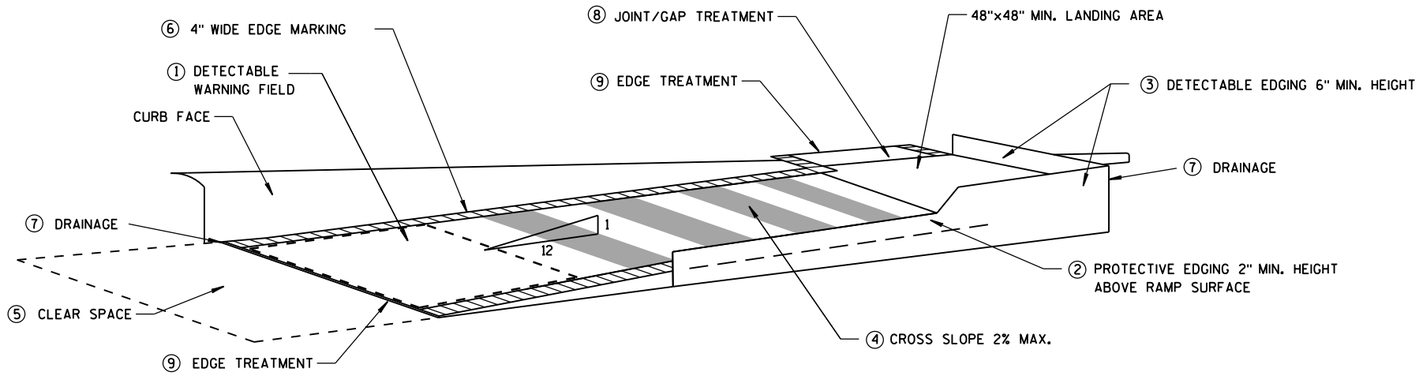
LEGEND

- 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

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.

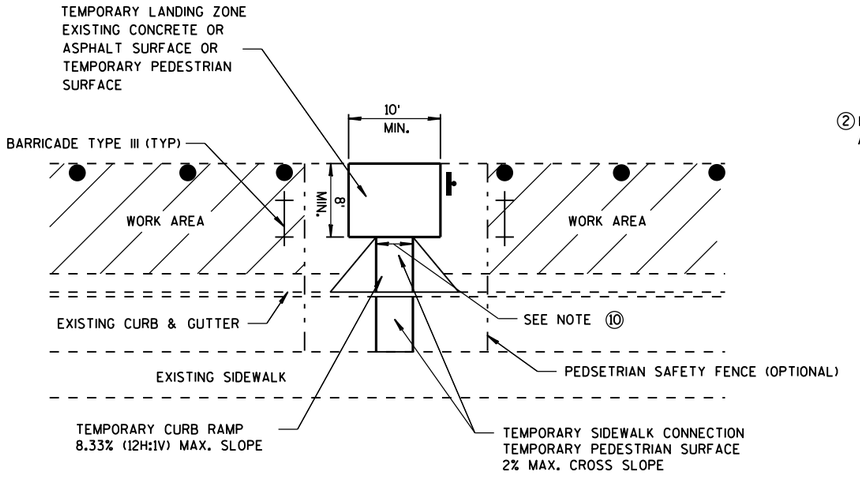
⑥ THE CURB RAMP WALKWAY EDGE SHALL BE MARKED WITH A YELLOW COLOR, 4" WIDE MARKING, UNLESS A CONTRASTING DETECTABLE WARNING FIELD IS PROVIDED.

⑦ DO NOT RESTRICT WATER FLOW IN THE GUTTER SYSTEM.

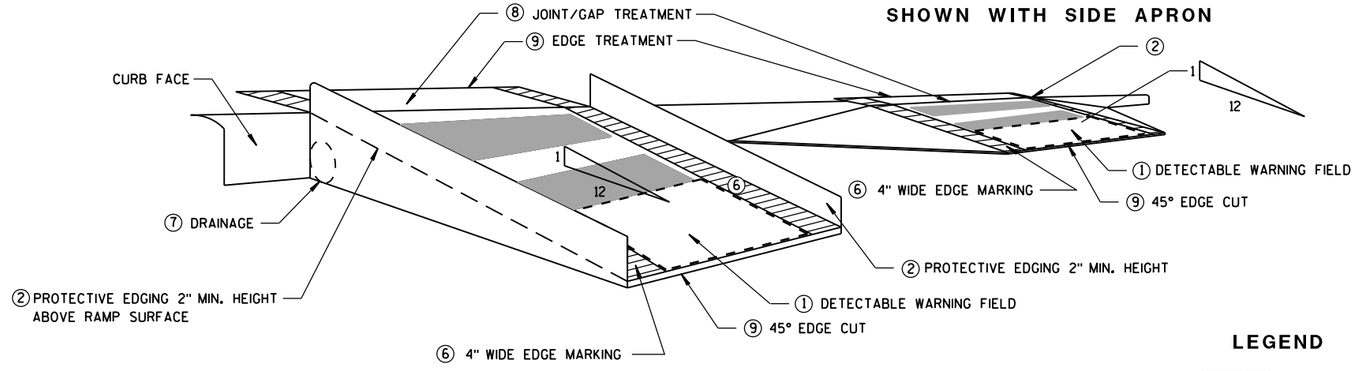
⑧ LATERAL JOINTS OR GAPS BETWEEN SURFACES SHALL BE LESS THAN 1/2" WIDTH.

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

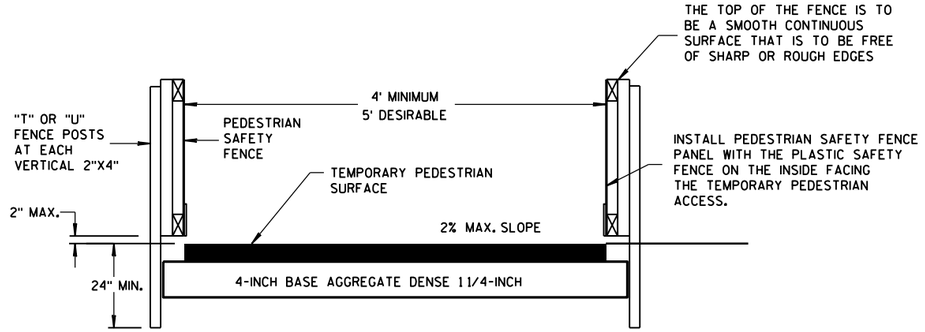
FHWA

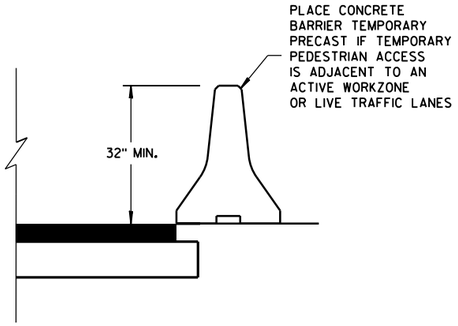
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S.D.D. 15 D 30-3b

6

S.D.D. 15 D 30-3b

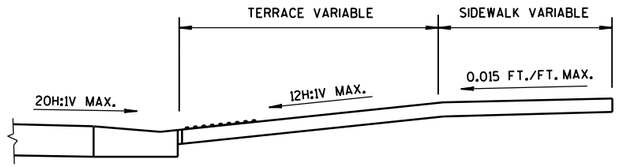




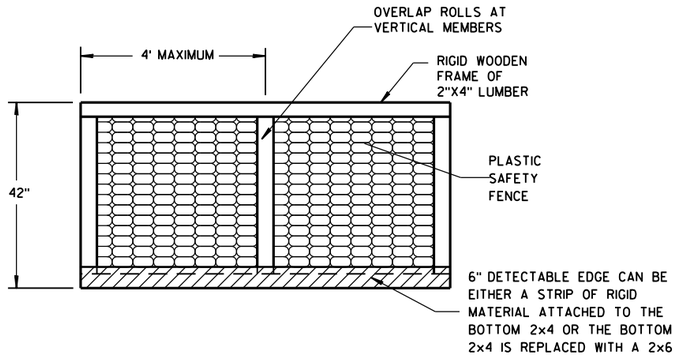
TEMPORARY PEDESTRIAN ACCESS

GENERAL NOTES

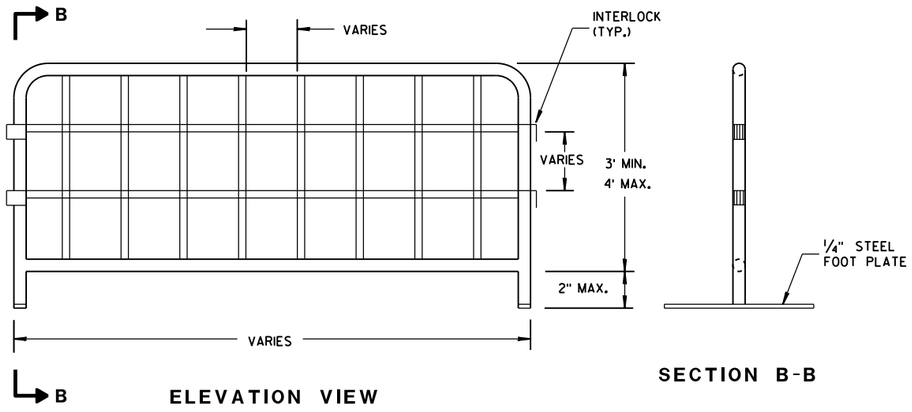
(1) INTERCHANGEABLE WITH THE PEDESTRIAN SAFETY FENCE.



SECTION A-A



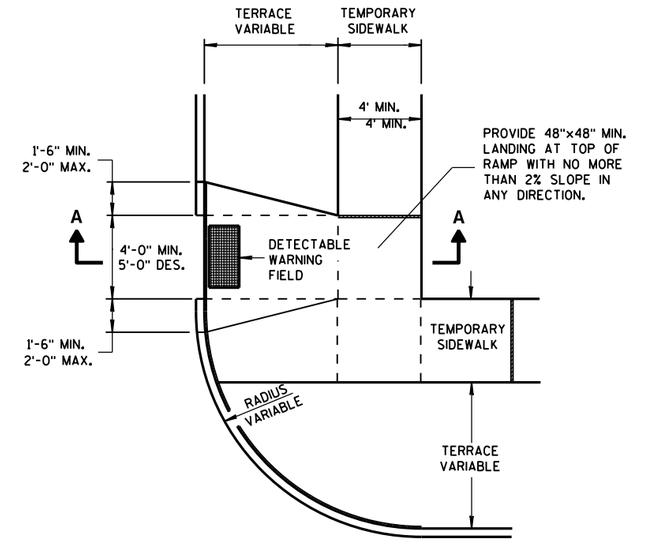
PEDESTRIAN SAFETY FENCE



ELEVATION VIEW

SECTION B-B

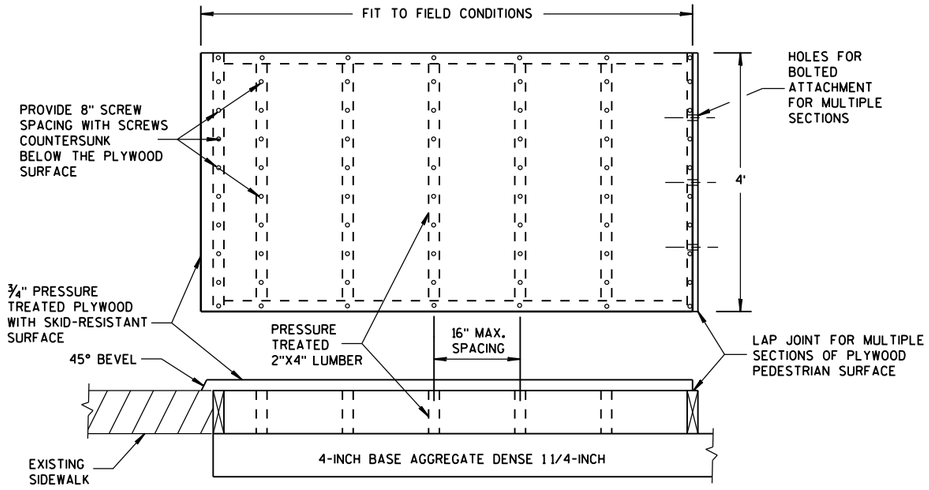
TEMPORARY PEDESTRIAN STEEL BARRICADE (1)



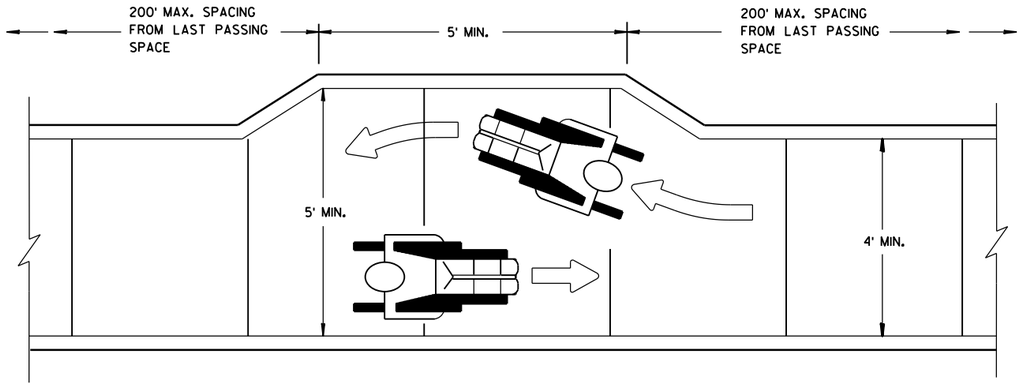
PLAN VIEW

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 SAFETY ENGIN IC
FHWA

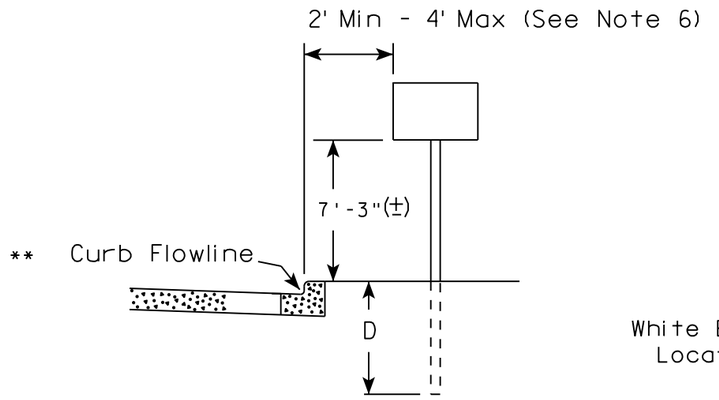
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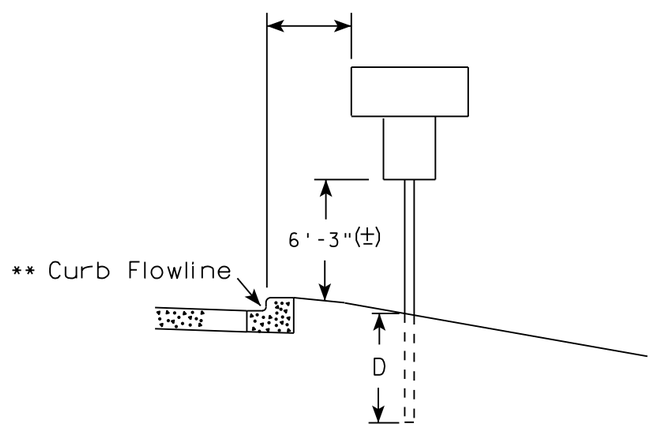
S.D.D. 15 D 30-3c

6

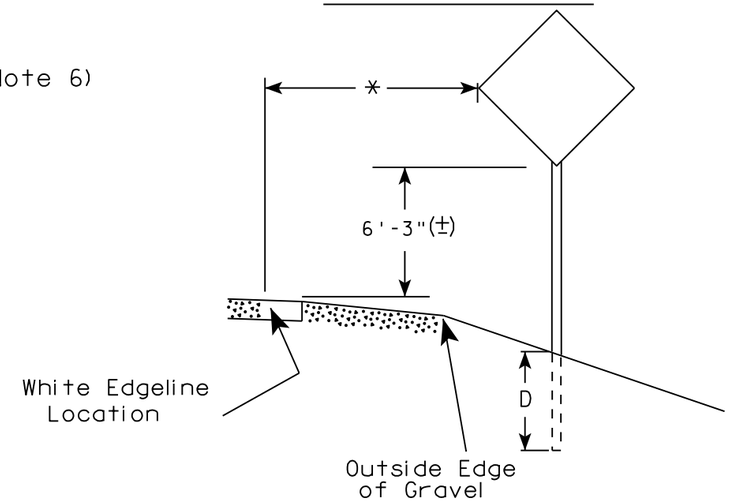
S.D.D. 15 D 30-3c

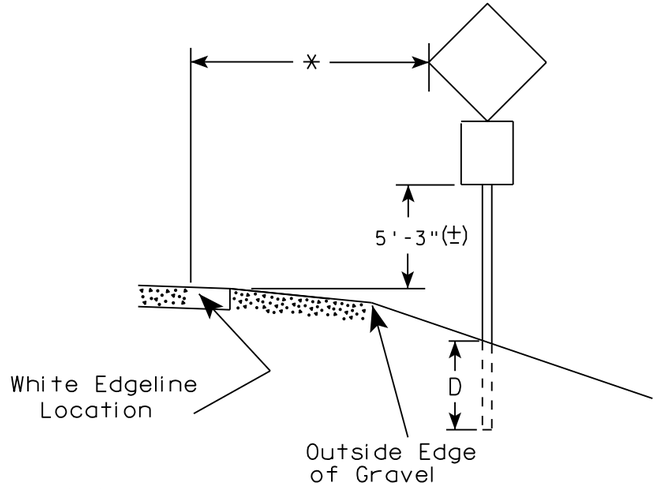
URBAN AREA





RURAL AREA (See Note 2)





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" (±).

POST EMBEDMENT DEPTH

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

** The existence of curb and gutter does not in itself mandate the vertical clearance illustrated. That height is typically measured where there is sidewalk adjacent to the roadway or parking is permitted. In the absence of sidewalk vertical clearance is measured from the top of the curb. Offset of signs is measured from the flow line.

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

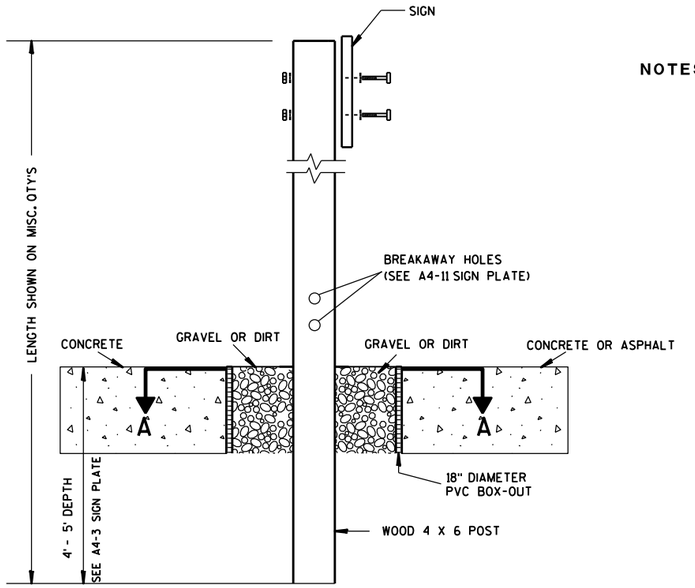
TYPICAL INSTALLATION OF PERMANENT TYPE II SIGNS ON SINGLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch for State Traffic Engineer

DATE 8/21/17 PLATE NO. A4-3.21

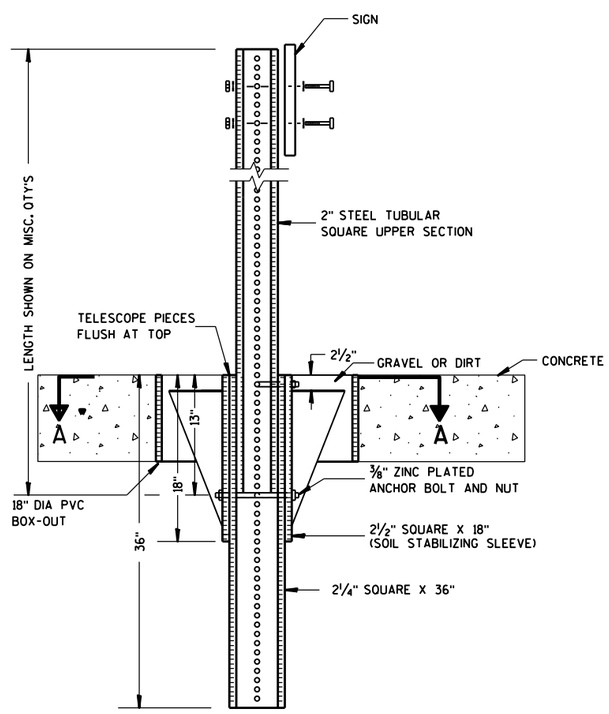
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 261	E



ELEVATION VIEW

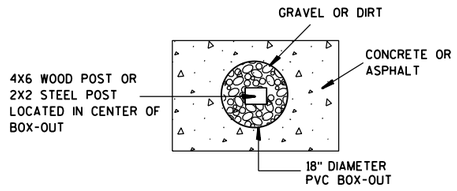
DETAIL OF WOOD 4 X 6 SIGN POST IN BOX-OUT

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

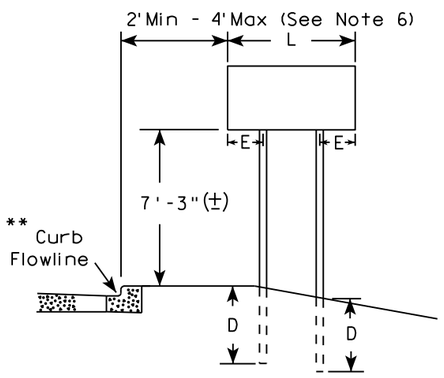
APPROVED Matthew R Rauch
for State Traffic Engineer

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

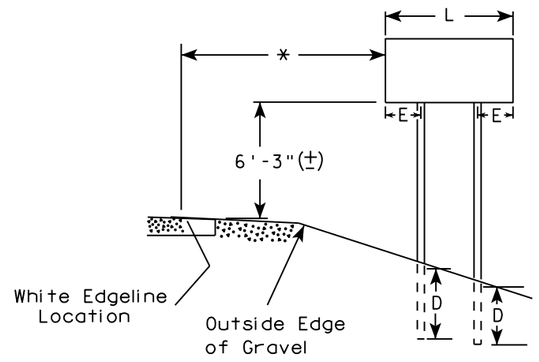
PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

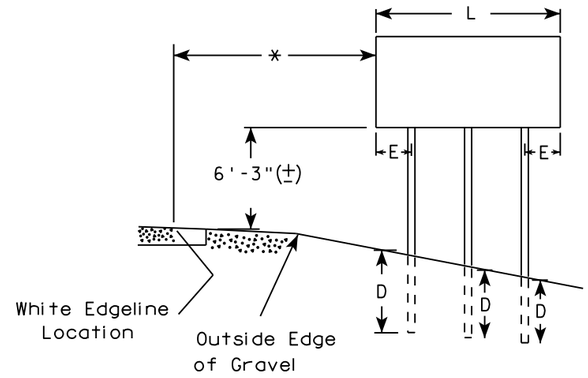
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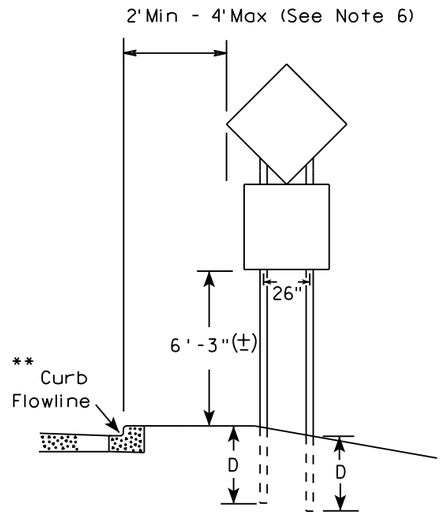
URBAN AREA



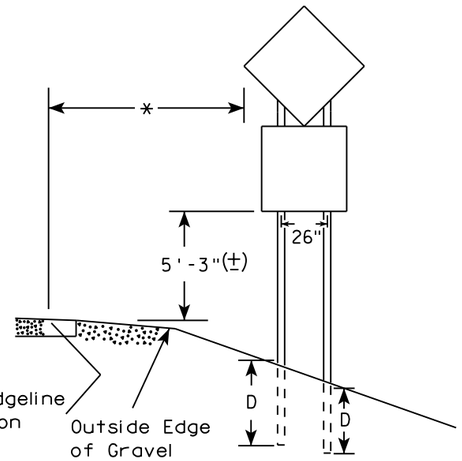
RURAL AREA (See Note 3)







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

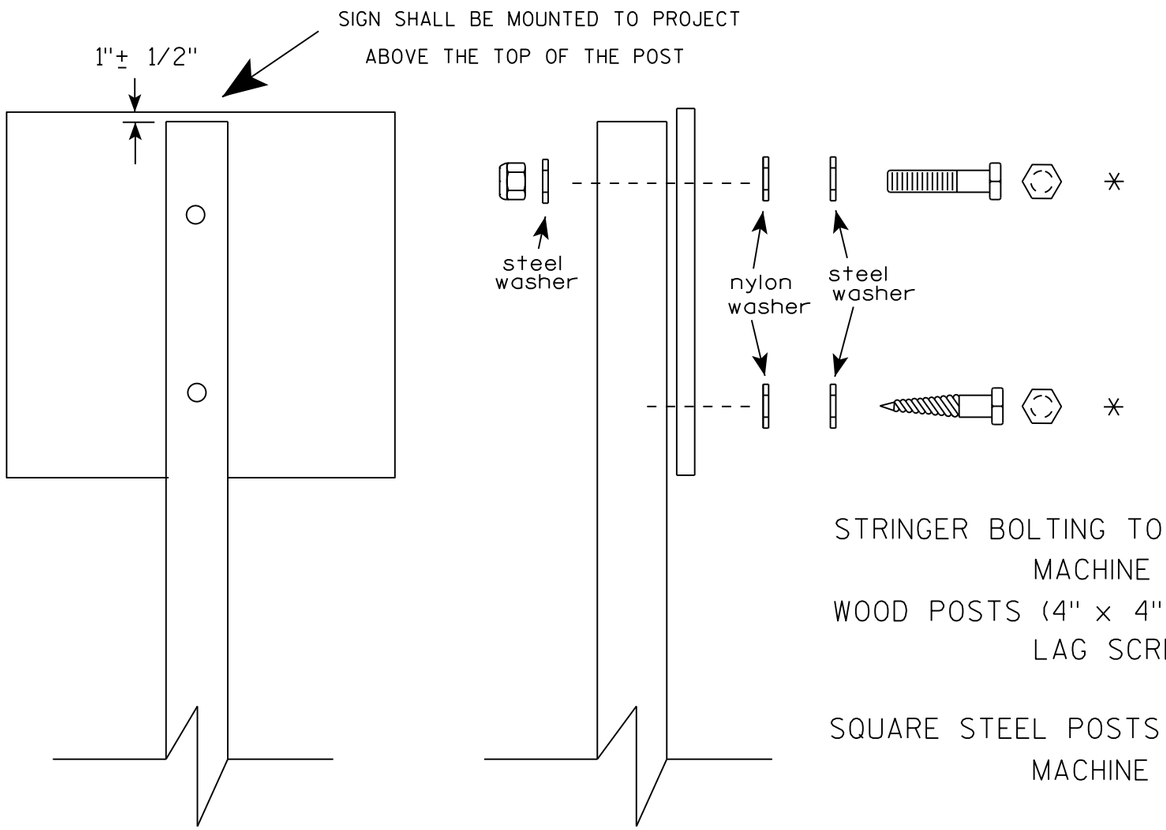
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 8/21/17 PLATE NO. A4-4.15

7

7

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 263 | E



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

a. Hot dip galvanized in accordance with ASTM Designation: A 153, Class D, or SC 3

b. Electro-galvanized in accordance with ASTM Designation : B 633, TYPE III, SC 3.

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

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

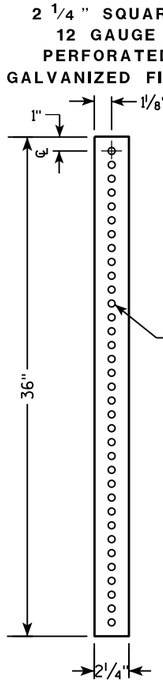
PROJECT NO:

SHEET NO: E

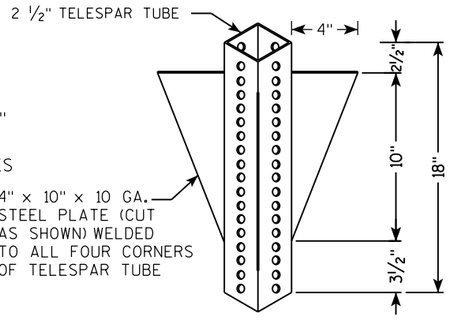
FILE NAME : C:\CADfiles\Projects\tr_stdplate\A48.DGN PLOT DATE : 11-AUG-2016 11:35 PLOT BY : $$ plotuser $$

TELESCOPIC TUBING ANCHORS
TWO PIECE SYSTEM

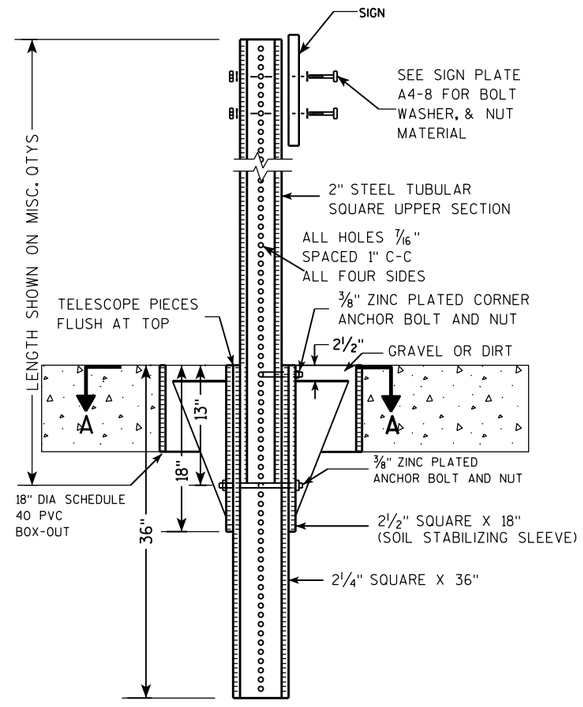
2 1/4 " SQUARE
12 GAUGE
PERFORATED
GALVANIZED FINISH



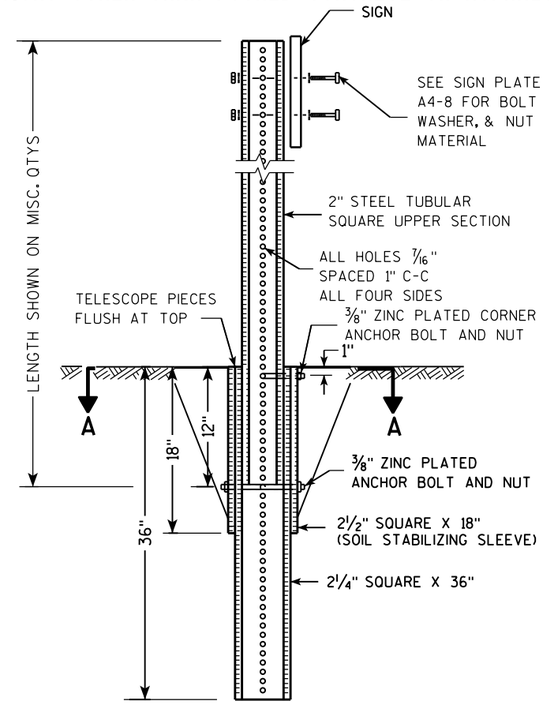
2 1/2 " SQUARE
12 GAUGE
OMNI-DIRECTIONAL
PERFORATED
SOIL STABILIZING SLEEVE
GALVANIZED FINISH

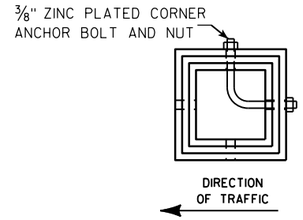


DETAIL OF TUBULAR STEEL SIGN POST
(IN POURED CONCRETE OR ASPHALT)



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).

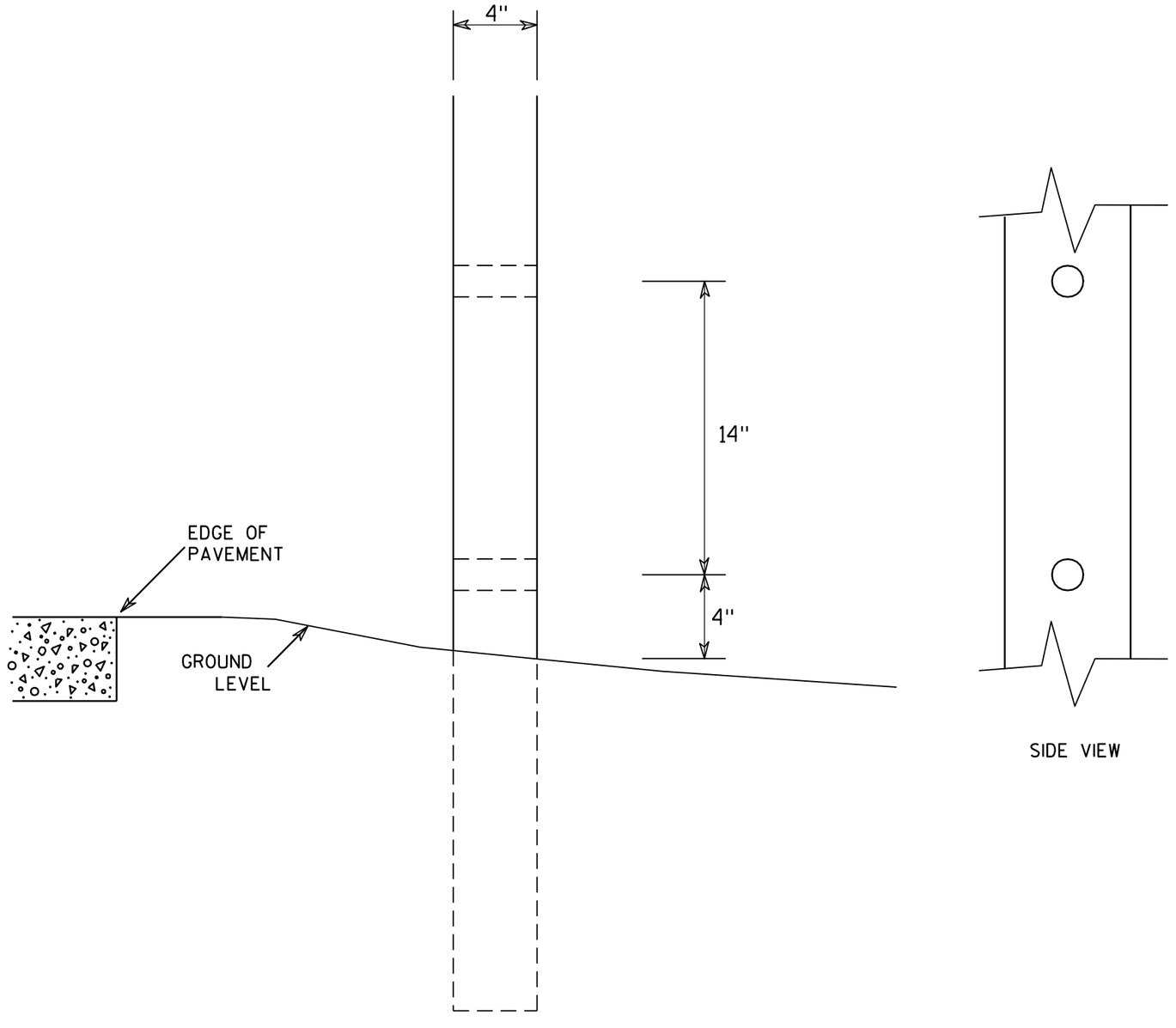
TUBULAR STEEL
SIGN POST
A4-9

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/05/15 PLATE 265 A4-9.9

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E



SIDE VIEW

GENERAL NOTES

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

7

7

4 X 6 WOOD POST MODIFICATIONS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Chester J Spang for State Traffic Engineer

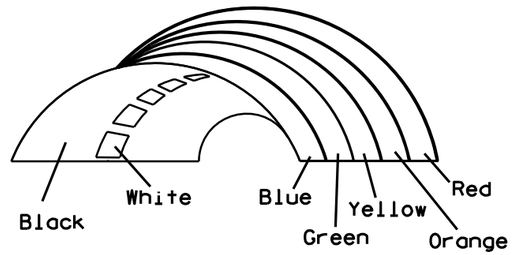
DATE 3/27/97 PLATE NO. A4-11.2

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 266	E



* VARIES

Background Colors of Symbol*



*1/4" Black Border between each color of rainbow and border of rainbow

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 - (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. Border - Blue
   Line 1 - Red
   Line 2 - Black
   Line 3-5 - Blue
6. Line 1 - Dutch 8011L
   Line 2 - Series E
   Line 3-5 - Series C
7. Contractor shall provide and install a new post bracket in accordance with the I55-56B sign 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	36	1 1/2	1/2	5/8	3	2	3 1/2	2 7/8	1	8	2 1/8	11 1/4	11 1/8	9 3/8	1 1/4		3/4	12 5/8	7 1/2							7.5
3																											
4																											
5																											

STANDARD SIGN
I55-56

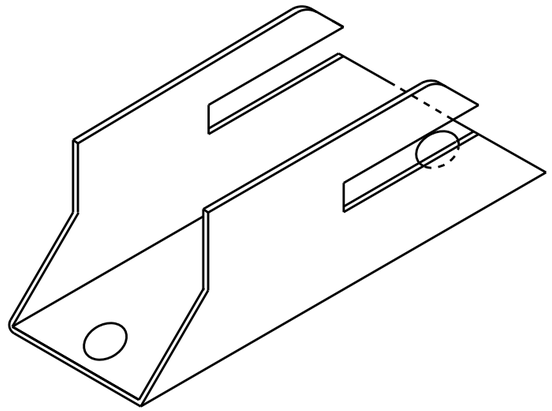
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

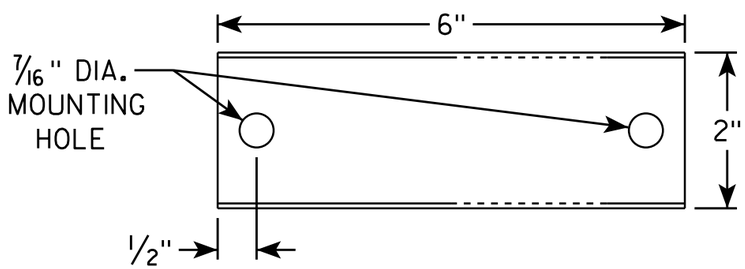
DATE 4/27/11 PLATE NO. 155-56.3

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 267

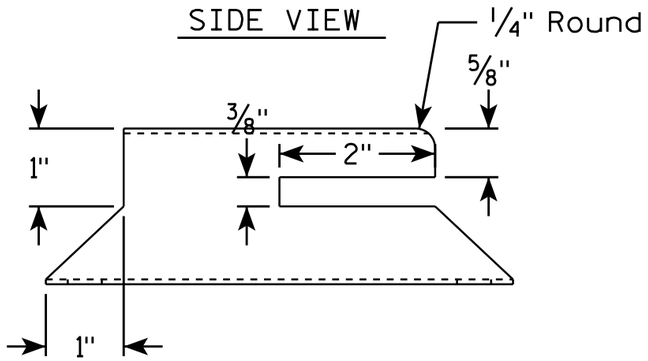
ISOMETRIC VIEW



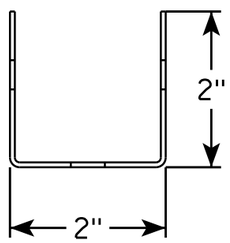
TOP VIEW



SIDE VIEW



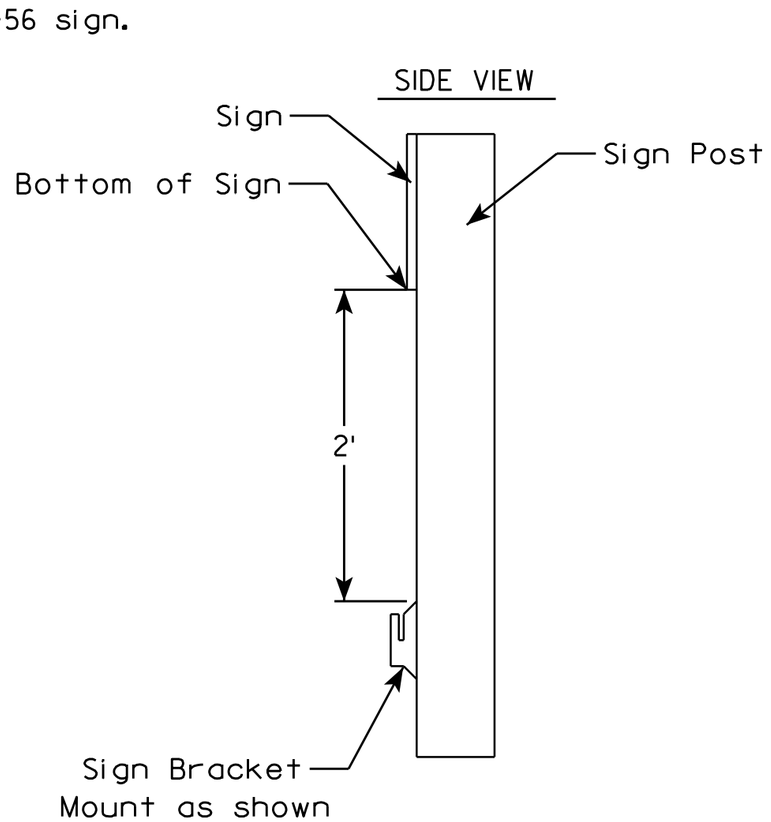
END VIEW



NOTES

1. Must be capable of permanent attachment to a wood or steel channel sign post utilizing the fastening hardware specified on the A4-8 sign plate.
2. Shall be entirely primed and painted with two coats of a black powder coated enamel paint.
3. Shall be made with 12 gauge steel, and incorporate no welds, no hinged components, no threaded lock-type components, and no parts which are loose or can be separated from the main body.
4. Shall have rounded edges with at least 1/8" radii.
5. Shall not have unrounded and uncoated metal edges which can contact the back surface of the roll-up sign.
6. Top of bracket shall be mounted 2' below the bottom of the I55-56 sign.
7. Cost of bracket and fastening hardware shall be incidental to the I55-56 sign.

SIDE VIEW



ROLLUP SIGN BRACKET
I55-56B

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

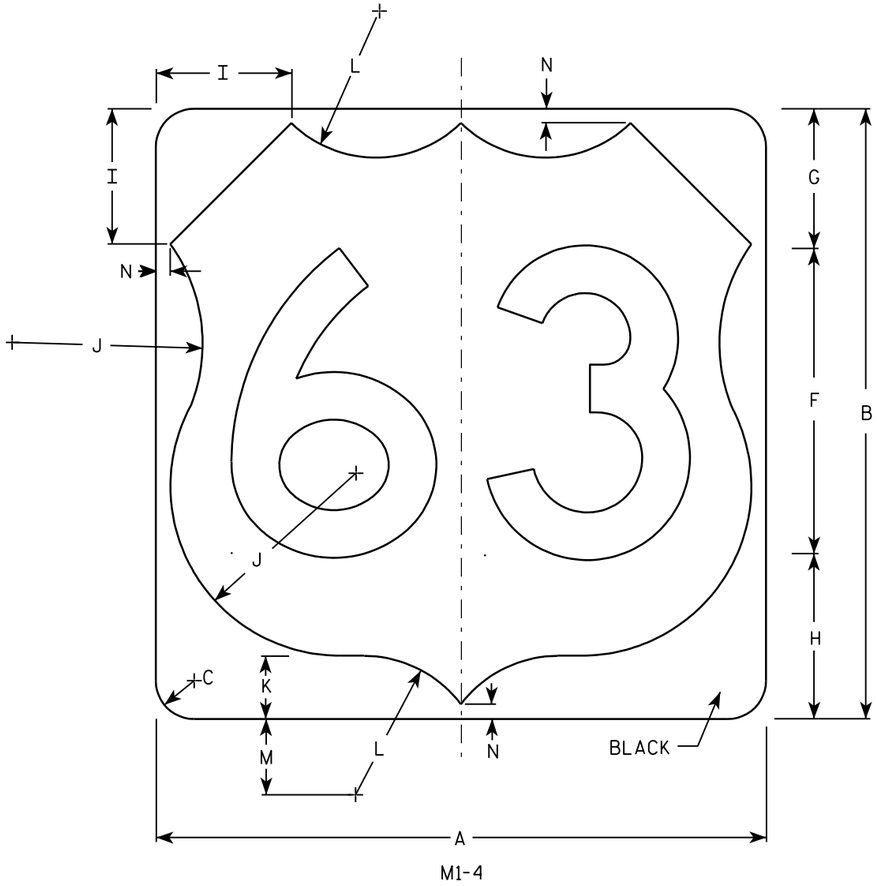
DATE 4/26/16 PLATE I55-56B.2

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

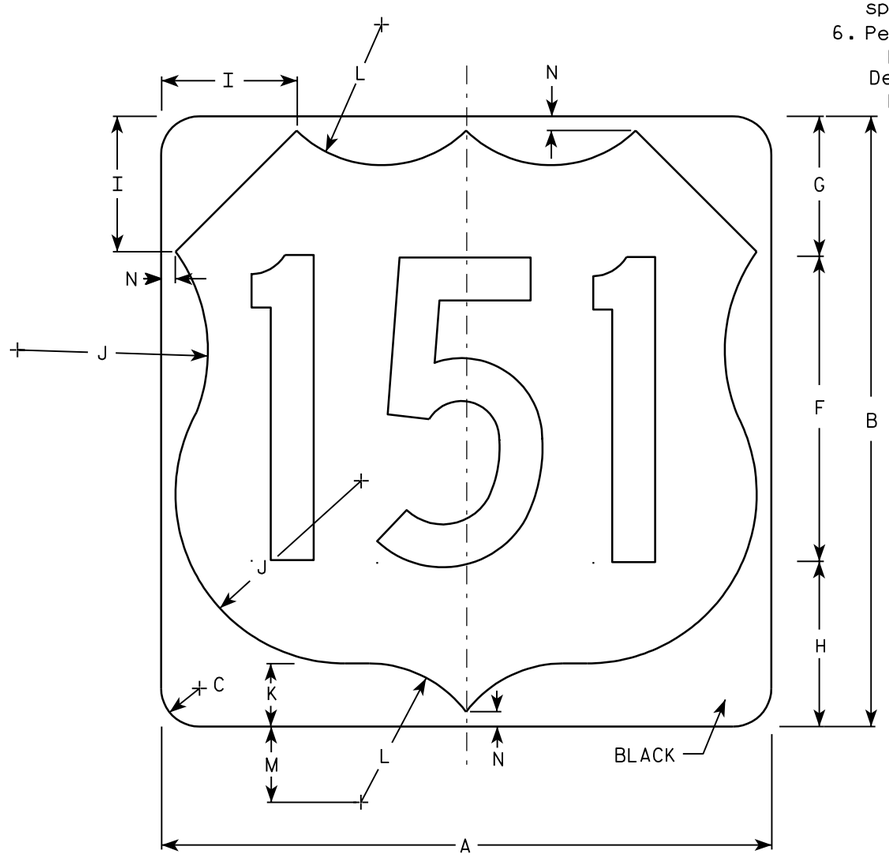
FILE NAME : C:\CAEfiles\Projects\tr_stdplate\I5556B.DGN PLOT DATE : 26-APR-2016 17:29 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 1.945842:1.000000
WISDOT/CADDS SHEET 42

NOTES

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



M1-4



M1-4

7

7

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	24	1 1/2			12	5 1/2	6 1/2	5	7 1/2	2 1/2	5 1/2	3	1/2													4.0	.36
3	36	36	2 1/4			18	8 1/4	9 1/4	7 1/4	11 1/4	3 3/4	8 1/4	4 1/2	3/4													9.0	.81
4	36	36	2 1/4			18	8 1/4	9 1/4	7 1/4	11 1/4	3 3/4	8 1/4	4 1/2	3/4													9.0	.81
5	36	36	2 1/4			18	8 1/4	9 1/4	7 1/4	11 1/4	3 3/4	8 1/4	4 1/2	3/4													9.0	.81

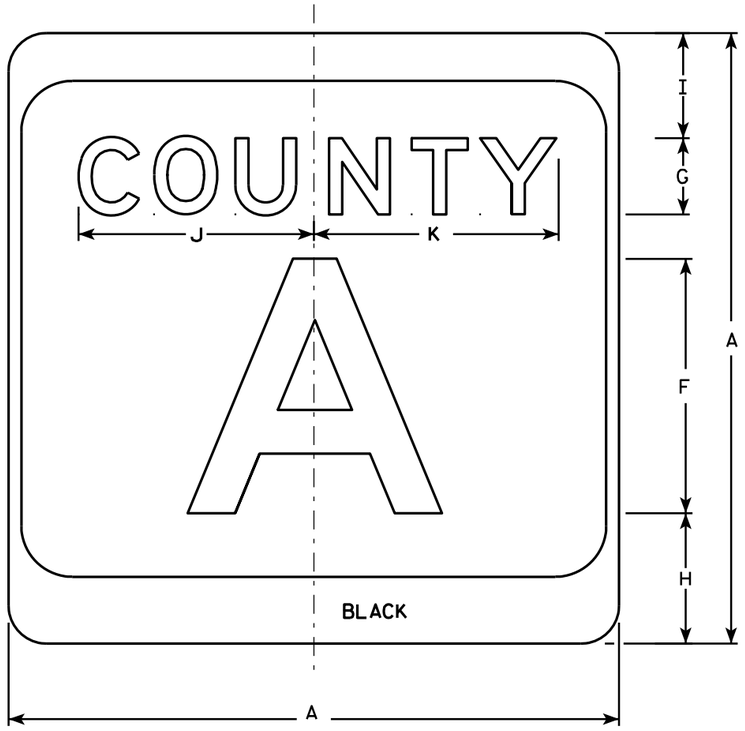
USH MARKER
M1-4 FOR ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

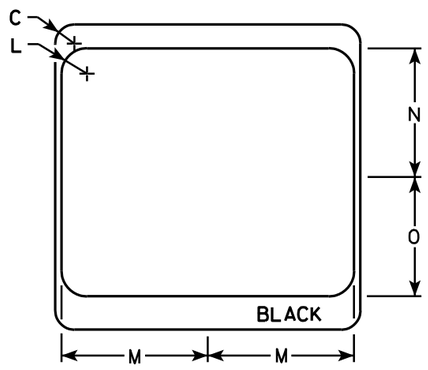
APPROVED Matthew R Rauch
for State Traffic Engineer

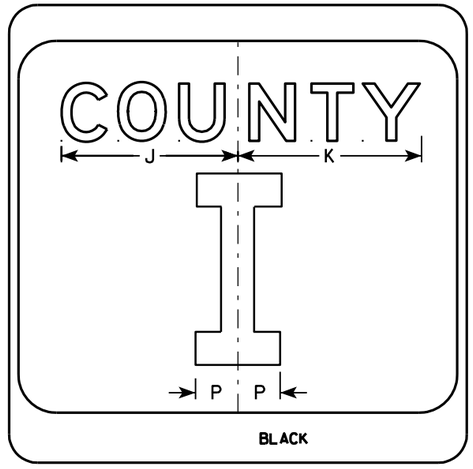
DATE 08/25/05 PLATE NO. M1-4.9

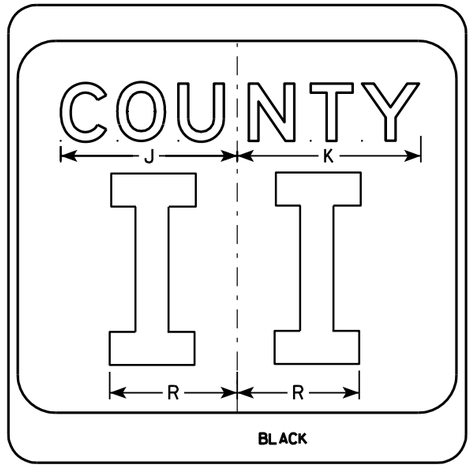
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 269	E



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

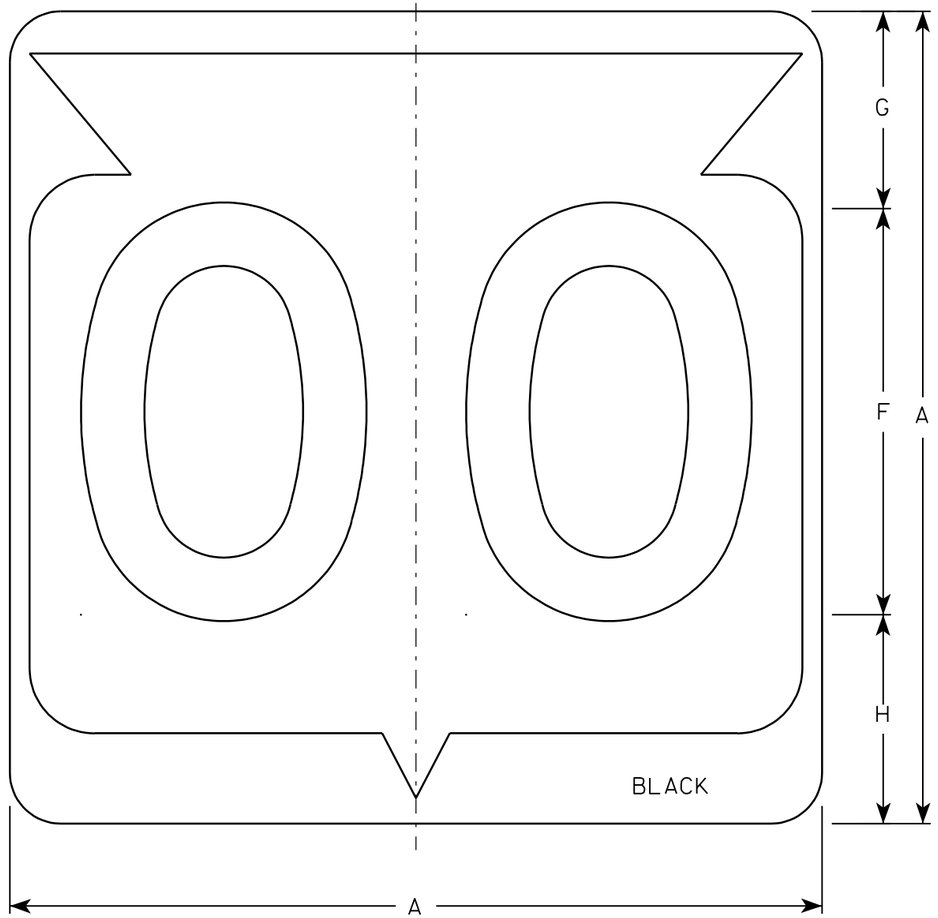
APPROVED Matthew R Rauch
for State Traffic Engineer

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

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 270 | E

FILE NAME : C:\Users\PROJECTS\tr_stdplate\M15A.DGN PLOT DATE : 29-SEP-2011 11:25 PLOT BY : mscsja PLOT NAME : PLOT SCALE : 5.959043:1.000000

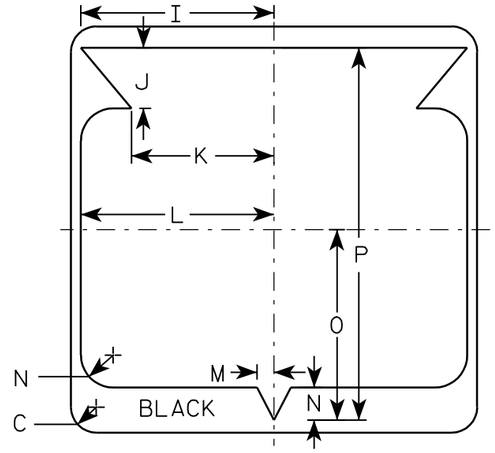
WISDOT/CADDS SHEET 42



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

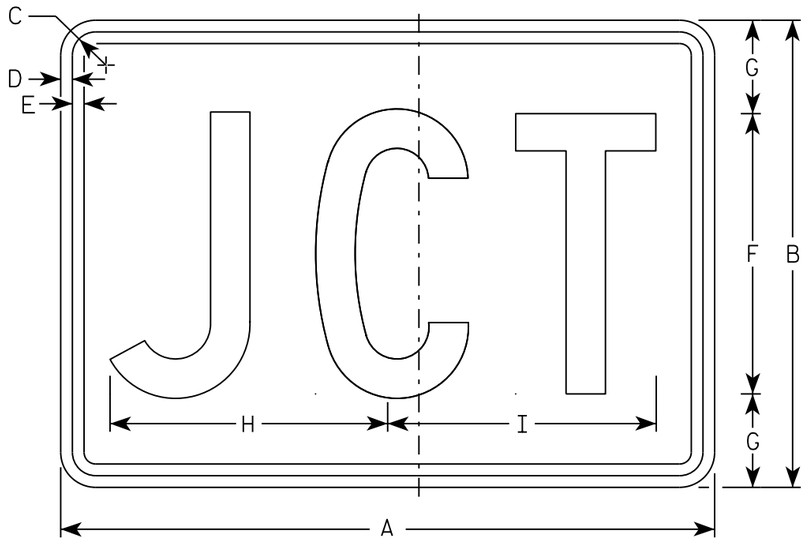
STATE ROUTE MARKER M1-6 FOR ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

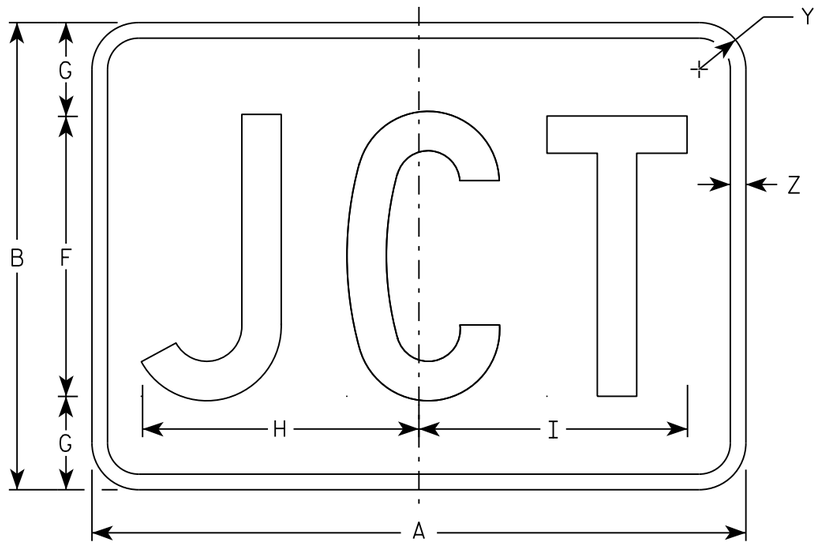
APPROVED Chester J Spang for State Traffic Engineer

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

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 271	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

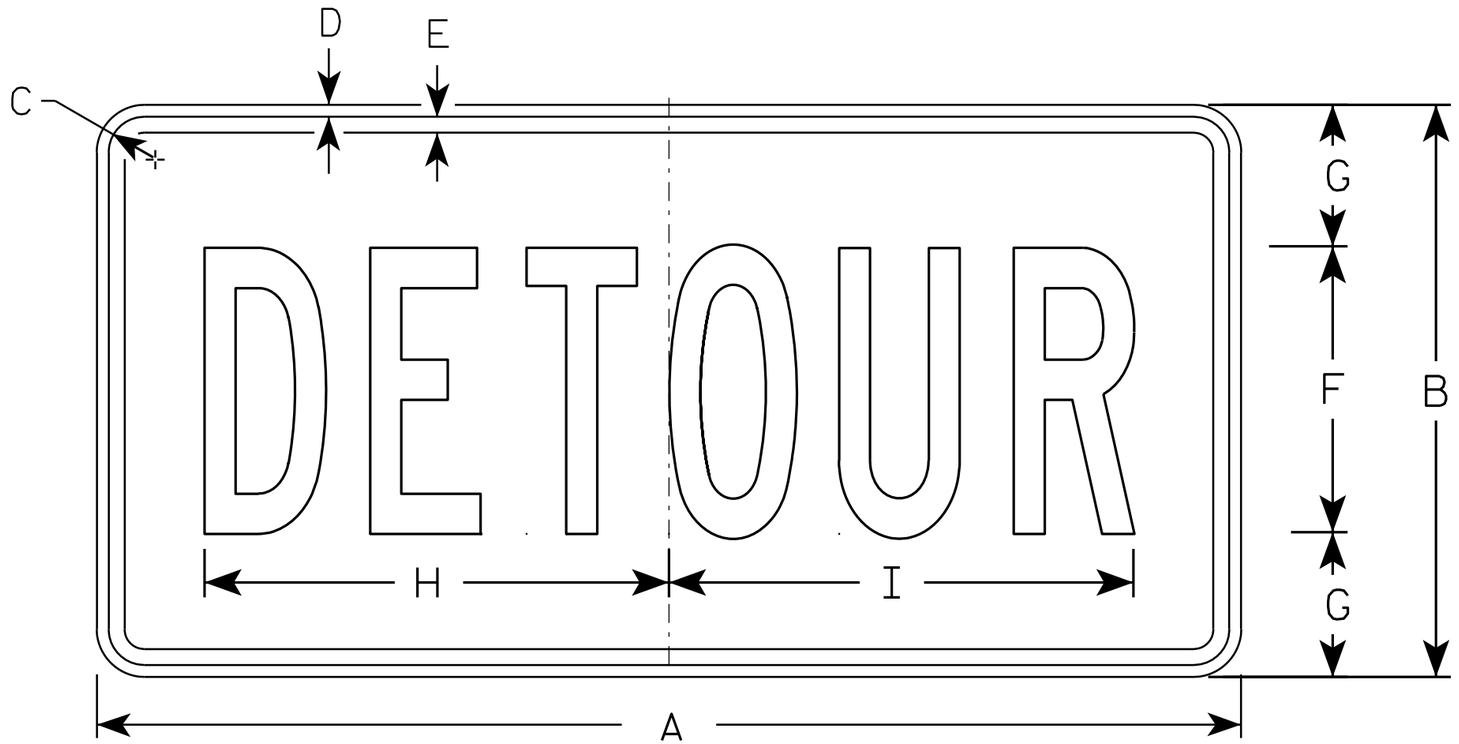
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 10/15/15 PLATE 272 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



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																											

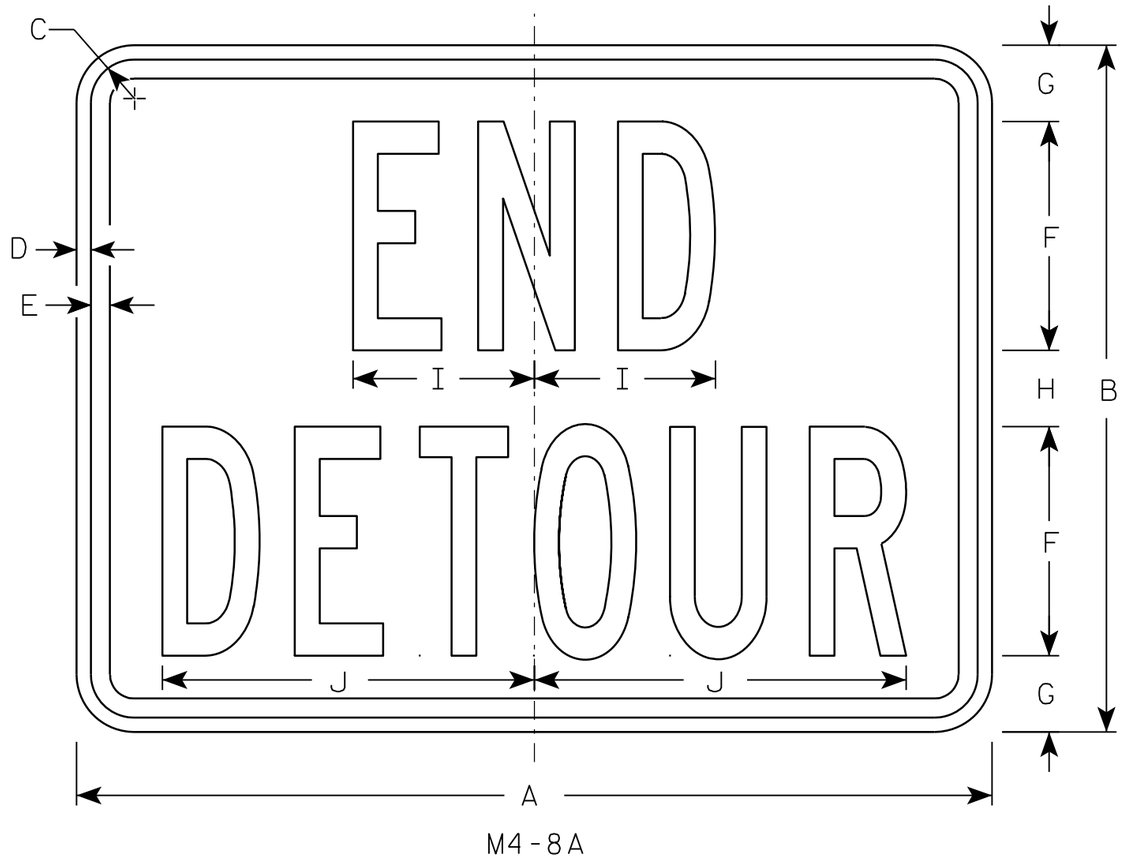
STANDARD SIGN
M4-8

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: 273	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																											

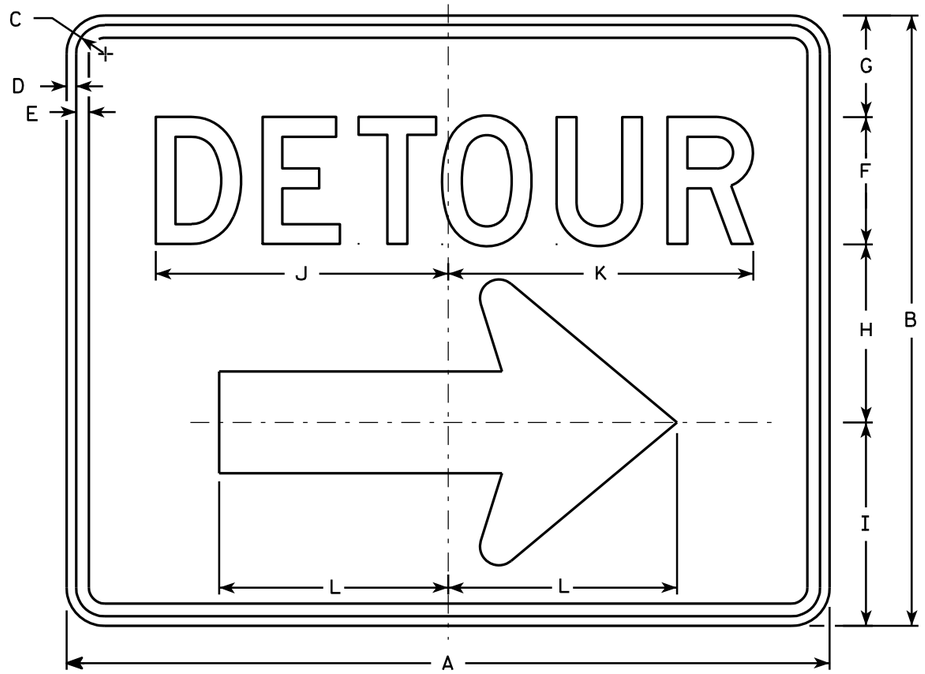
STANDARD SIGN
M4-8A

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

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

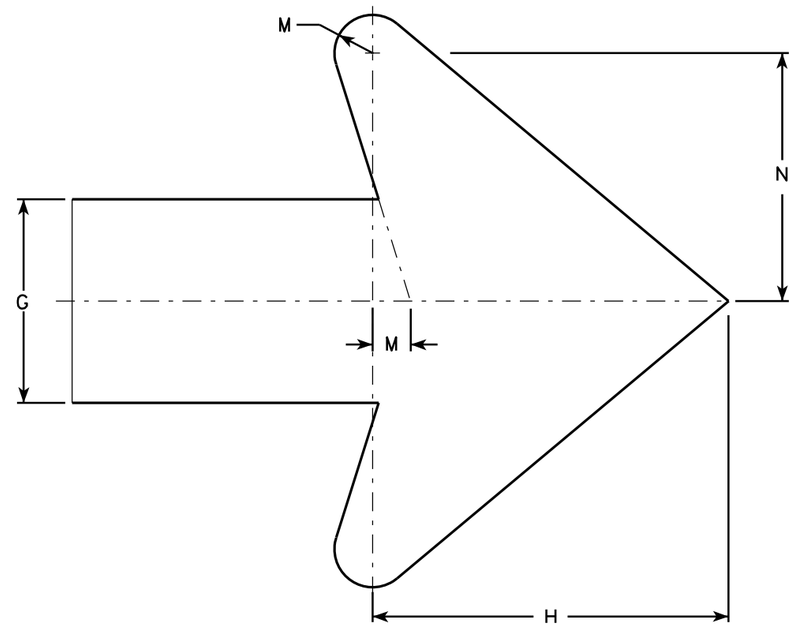
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 274	E



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

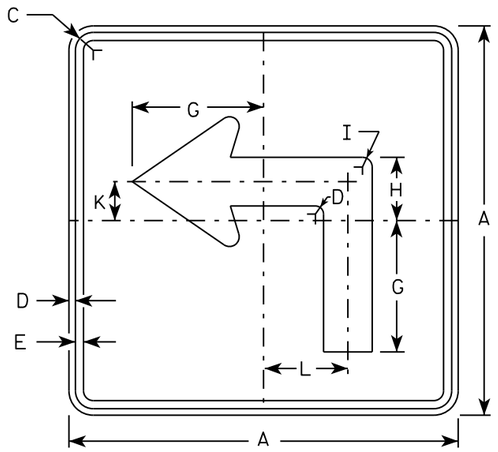
STANDARD SIGN
M4-9 R & L

WISCONSIN DEPT OF TRANSPORTATION

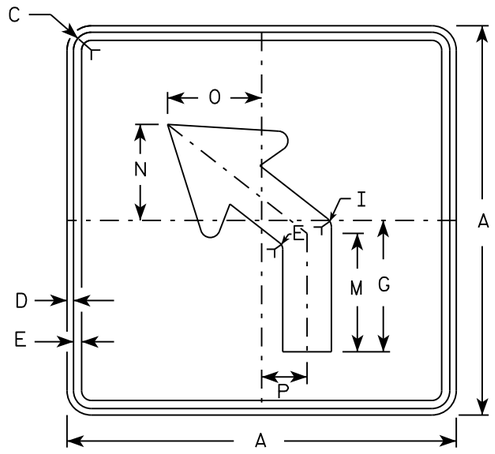
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/9/11 PLATE NO. M4-9R.4

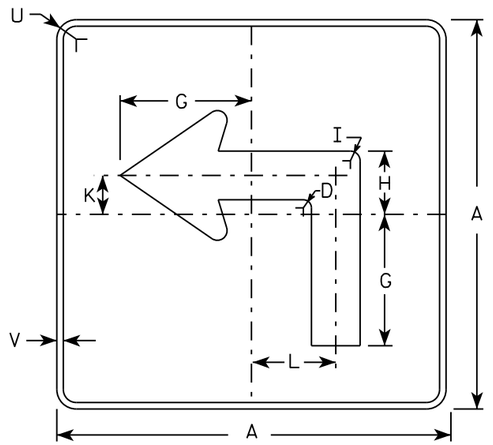
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 275 | E



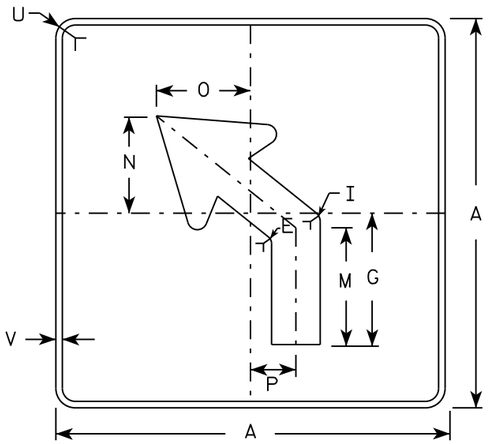
M5-1L
MM5-1L
MO5-1L
MP5-1L



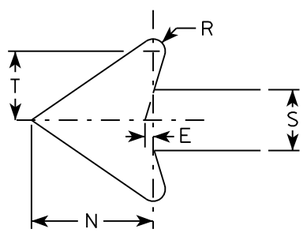
M5-2L
MM5-2L
MO5-2L
MP5-2L



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

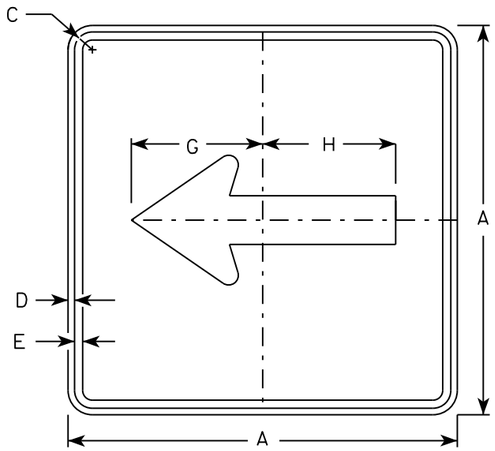
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

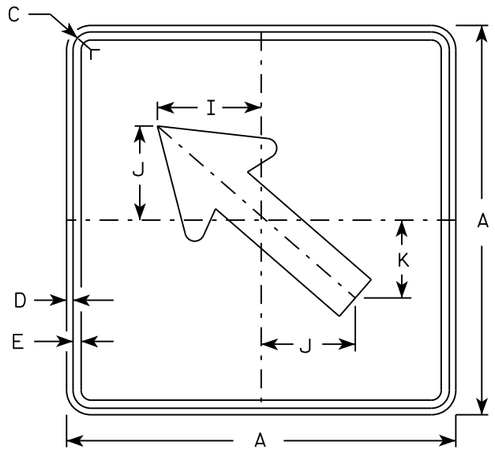
DATE 10/15/15 PLATE NO. M5-1.13

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



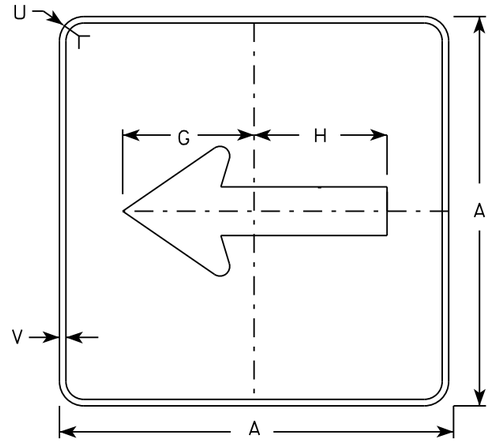
M6-1
MM6-1
MO6-1
MP6-1



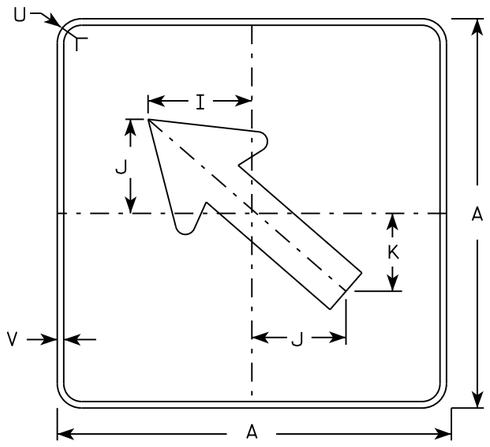
M6-2
MM6-2
MO6-2
MP6-2

NOTES

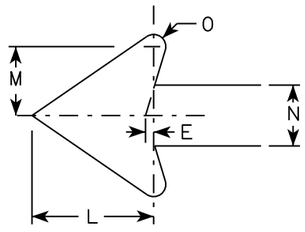
1. Signs are Type II - Type H except as Shown
2. Color:
   Background - See note 4
   Message - See note 4
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. M6-1 and M6-2 Background - 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

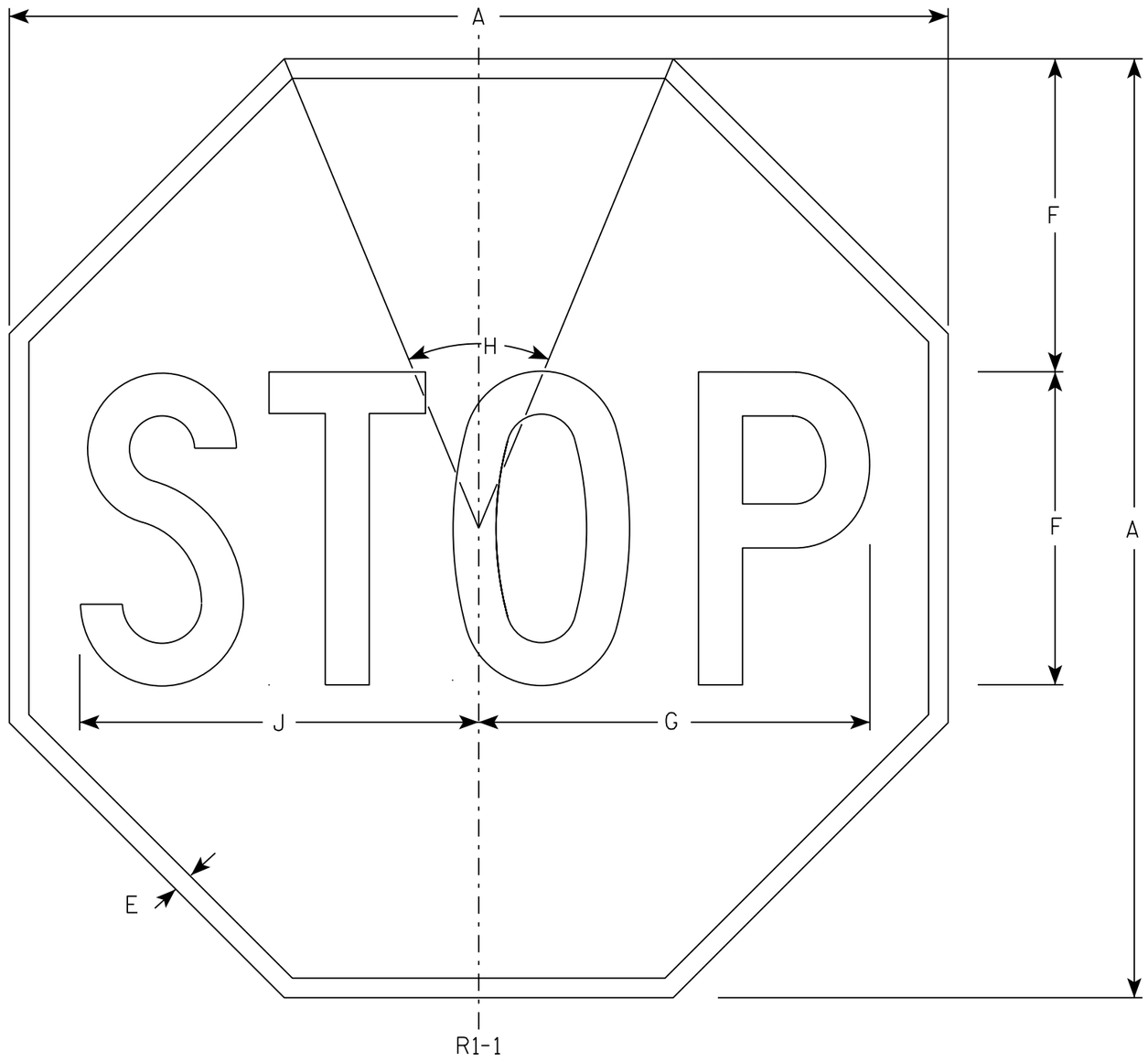
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 10/15/15 PLATE 277 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



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

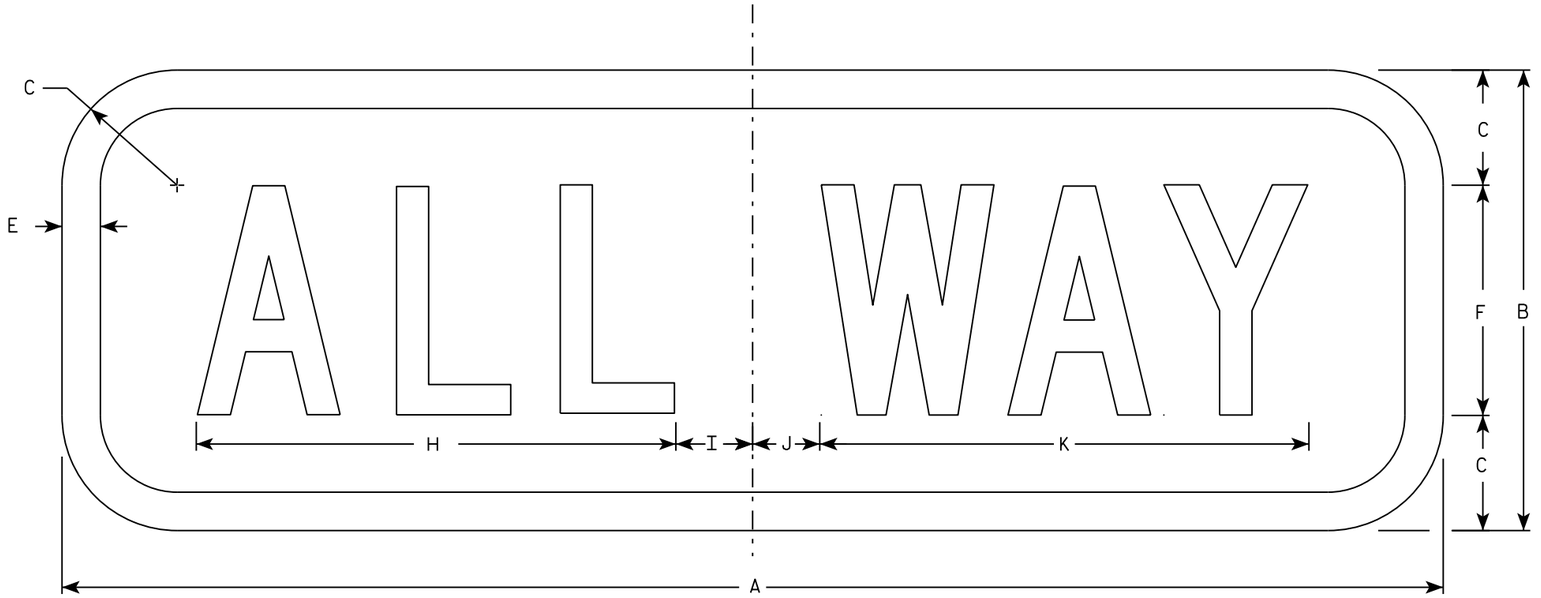
for State Traffic Engineer

DATE 11/12/15 PLATE NO. R1-1.13

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 278	E

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



R1-3P

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 ½		½	3		6 ¼	1 ¼	⅞	6 ⅜																0.75
2S	18	6	1 ½		½	3		6 ¼	1 ¼	⅞	6 ⅜																1.5
2M	24	9	1 ½		½	5		9 ¼	1 ¼	¾	9 ¾																1.5
3	24	9	1 ½		½	5		9 ¼	1 ¼	¾	9 ¾																1.5
4	30	12	2 ¼		⅝	6		11	2 ¼	1 ½	11 ¾																2.5
5	30	12	2 ¼		⅝	6		11	2 ¼	1 ½	11 ¾																2.5

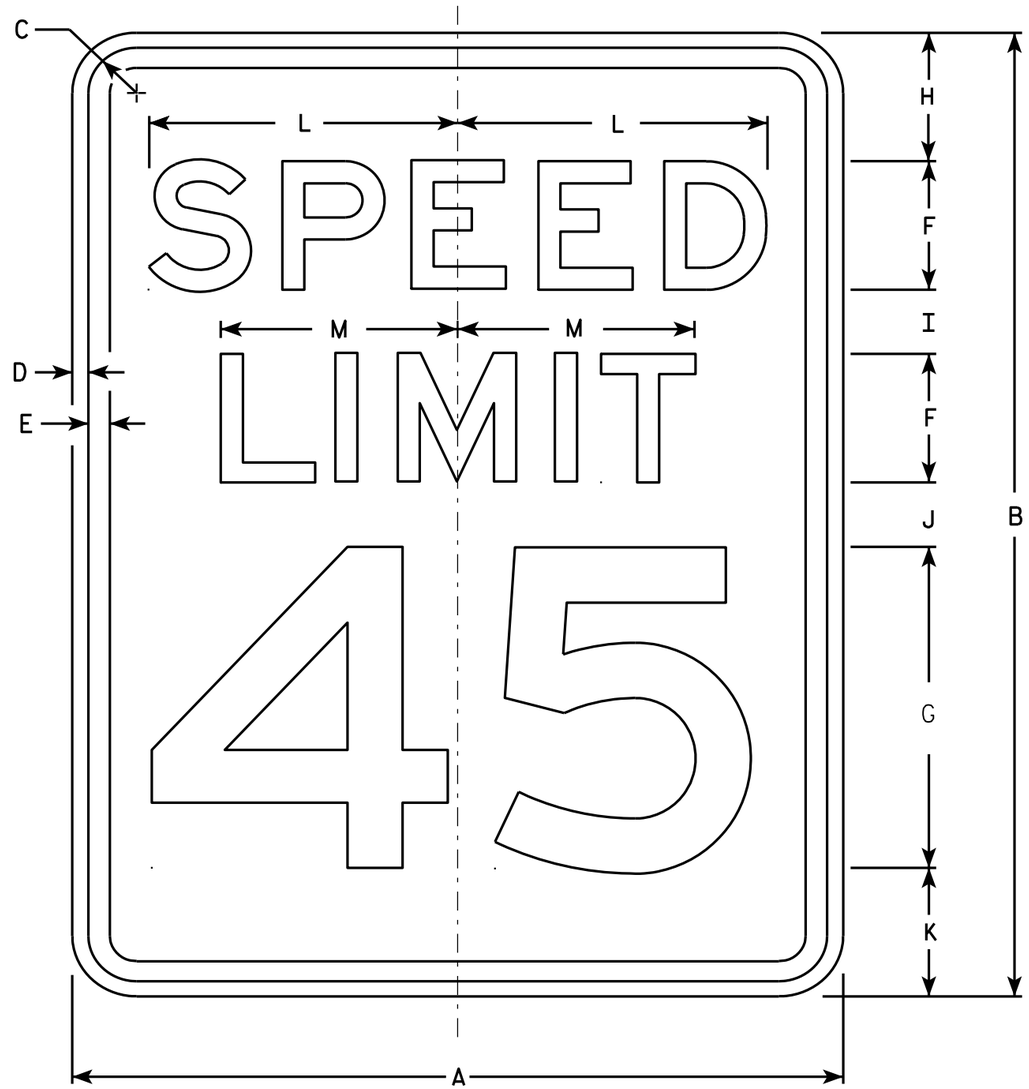
STANDARD SIGN
R1-3P

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: 279 | 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

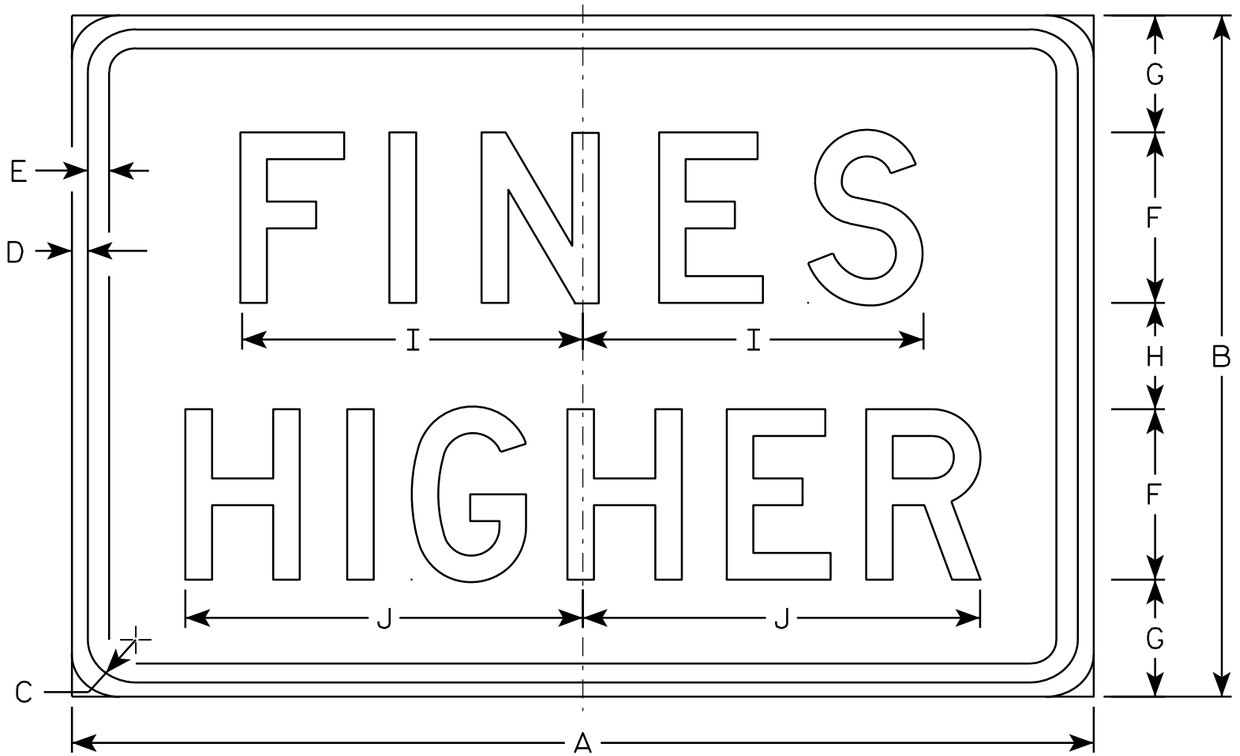
STANDARD SIGN
R2-1

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: 280	E



R2-6P

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	18	1 1/8	3/8	3/8	4	3 1/2	3	7 5/8	9 1/4																	3.0
2M	24	18	1 1/8	3/8	3/8	4	3 1/2	3	7 5/8	9 1/4																	3.0
3	36	24	1 1/8	3/8	1/2	6	4 1/8	3 3/4	12	14																	6.0
4	36	24	1 1/8	3/8	1/2	6	4 1/8	3 3/4	12	14																	6.0
5	48	36	1 3/8	1/2	5/8	8	7	6	15 1/8	19																	12.0

STANDARD SIGN
R2-6P

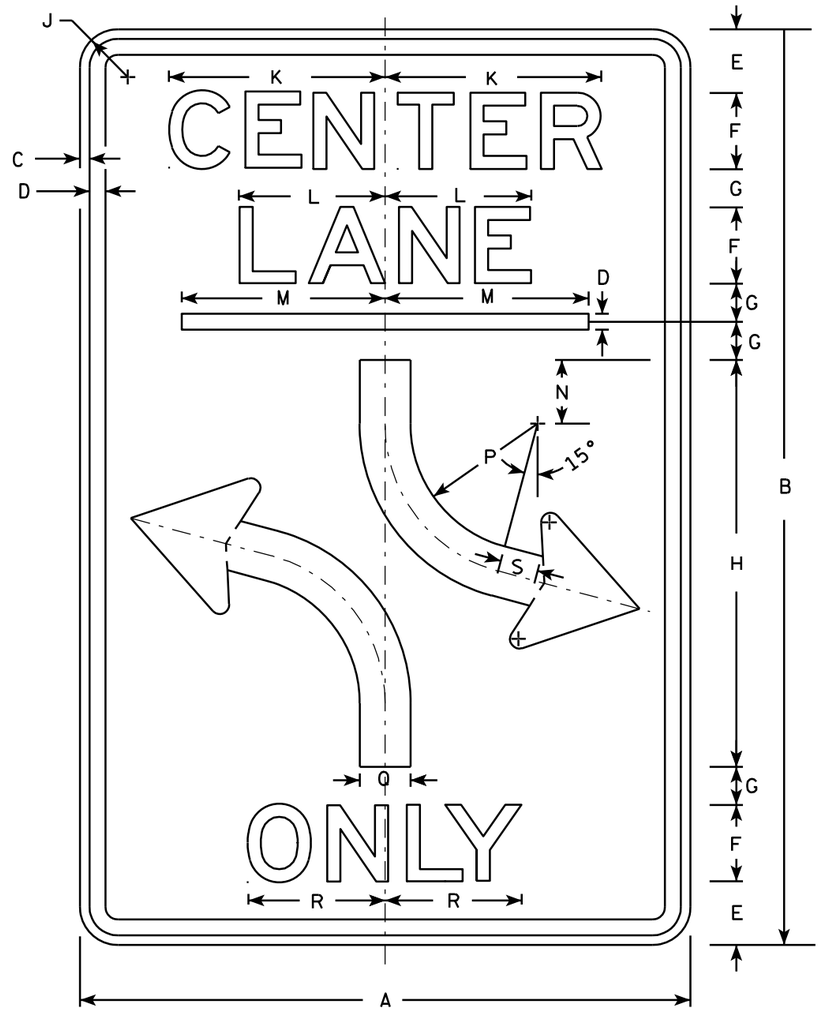
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/20/10 PLATE NO. R2-6P.2

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 281 | E

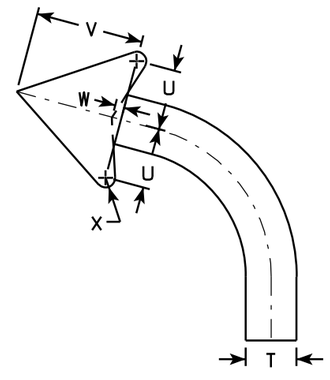
7



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																											

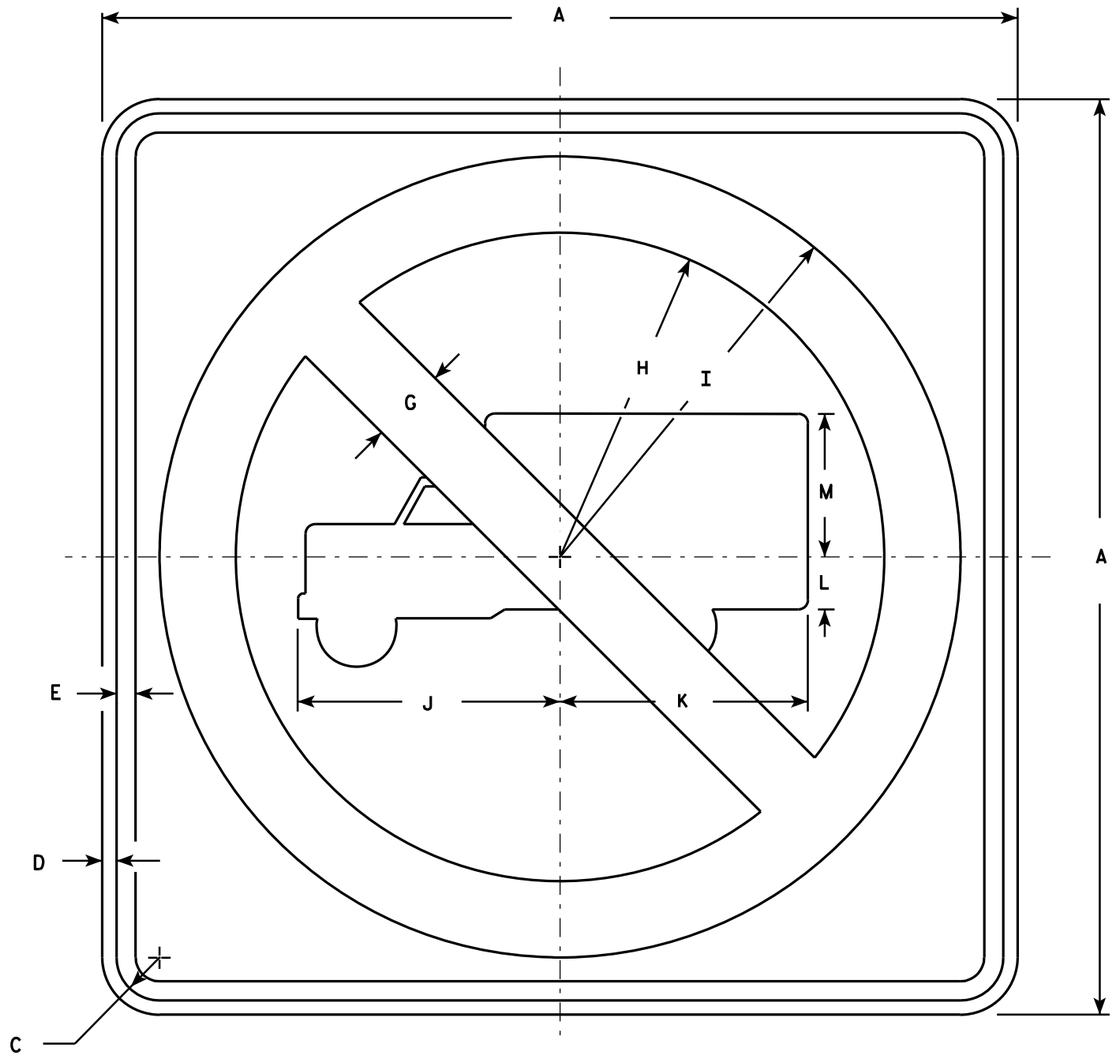
STANDARD SIGN
R3-9B

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: 282	E



R5-2

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - See Note 4
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. Circle & Diagonal - Reflective red.
   Truck Symbol & Border - Non-reflective black.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24		1 1/8	3/8	1/2		2	8 1/2	10 1/2	6 7/8	6 1/2	1 3/8	3 3/4														4.0
2M	24		1 1/8	3/8	1/2		2	8 1/2	10 1/2	6 7/8	6 1/2	1 3/8	3 3/4														4.0
3	30		1 3/8	1/2	5/8		2 1/2	10 5/8	13 1/8	8 1/2	8 1/8	1 5/8	4 3/4														6.25
4	36		1 5/8	5/8	3/4		3	12 3/4	15 3/4	10 1/4	9 3/4	2	5 3/4														9.0
5	48		2 1/4	3/4	1		4	17	21	13 5/8	13	2 5/8	7 5/8														16.0

STANDARD SIGN
R5-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/29/2011 PLATE NO. R5-2.6

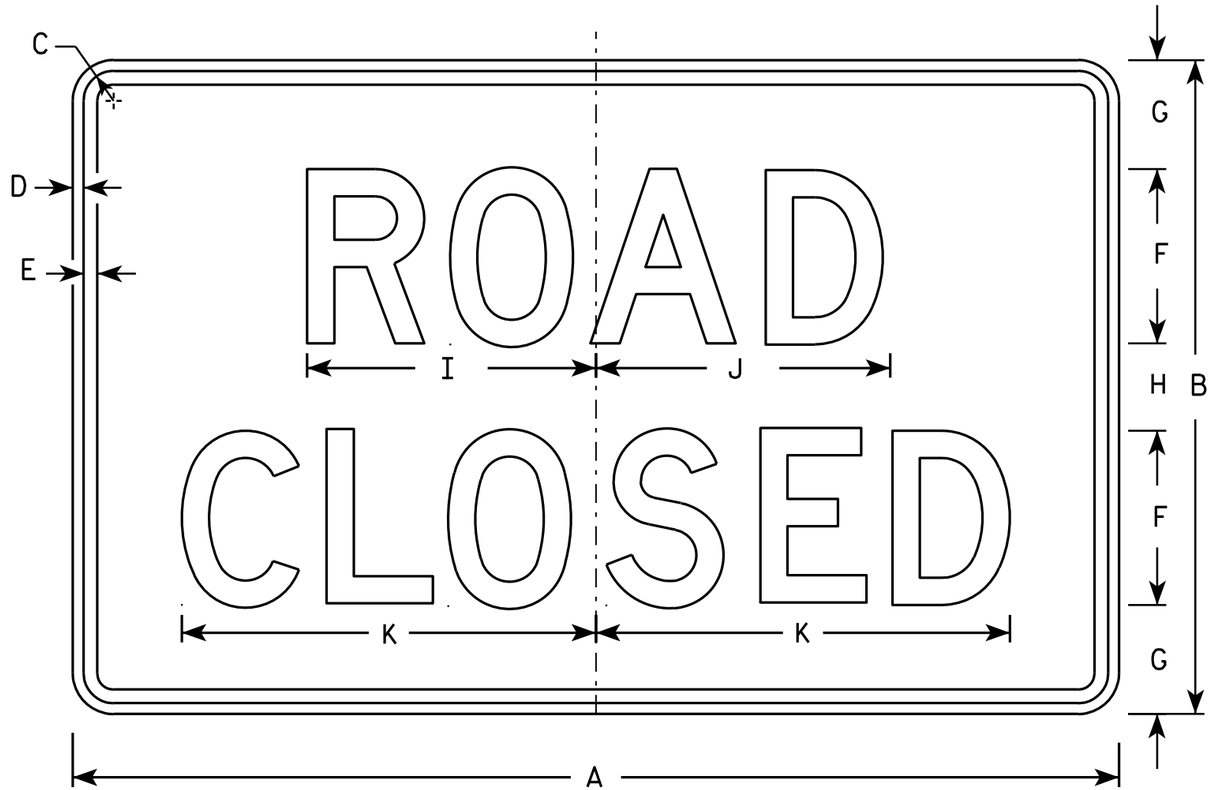
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 283	E

FILE NAME : C:\Users\PROJECTS\tr_stdplate\R52.DGN PLOT DATE : 29-MAR-2011 11:02 PLOT BY : mscsja PLOT NAME : PLOT SCALE : 5.959043:1.000000

WISDOT/CADDS SHEET 42

7

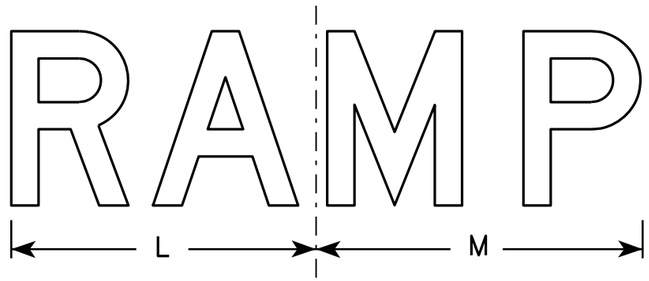
7



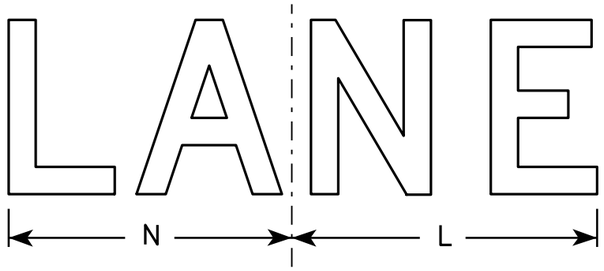
R11-2

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

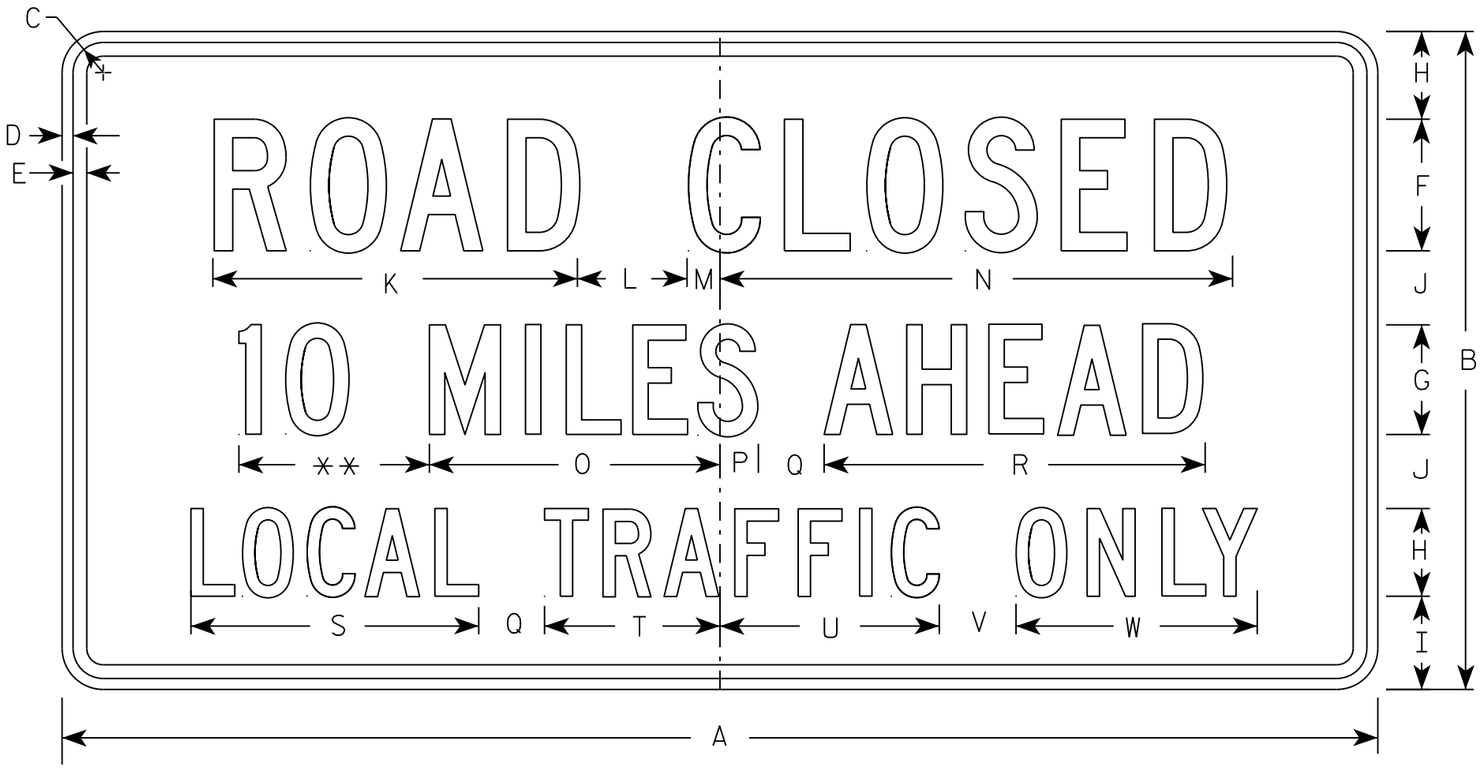
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 4/1/11 PLATE NO. R11-2.10

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 284 | E

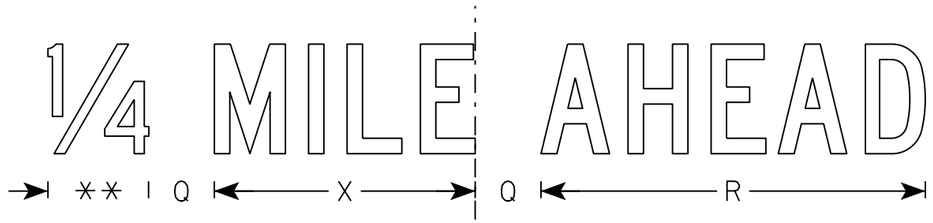
NOTES

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																											

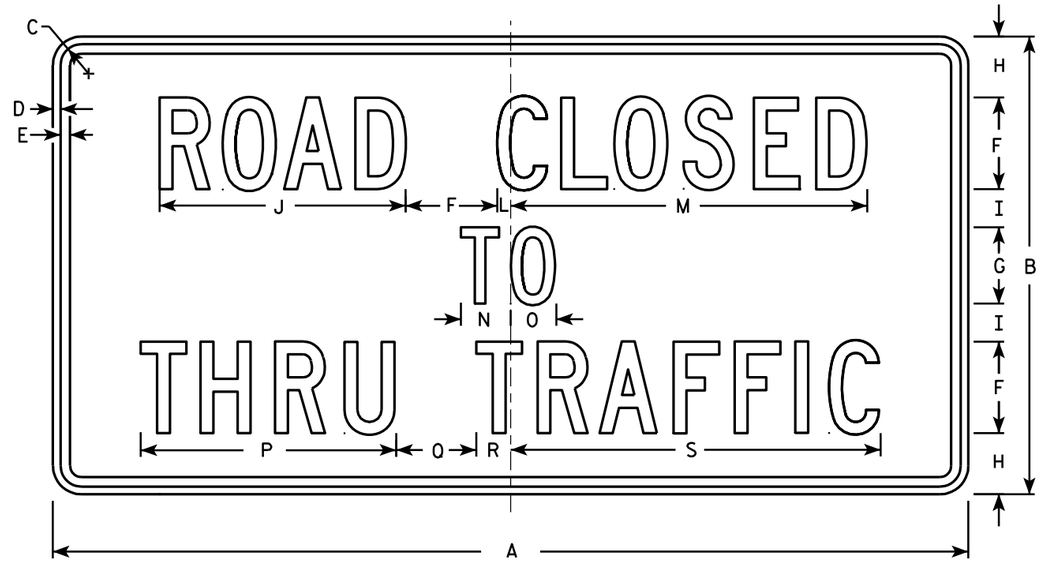
STANDARD SIGN
R11-3

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: 285	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																											

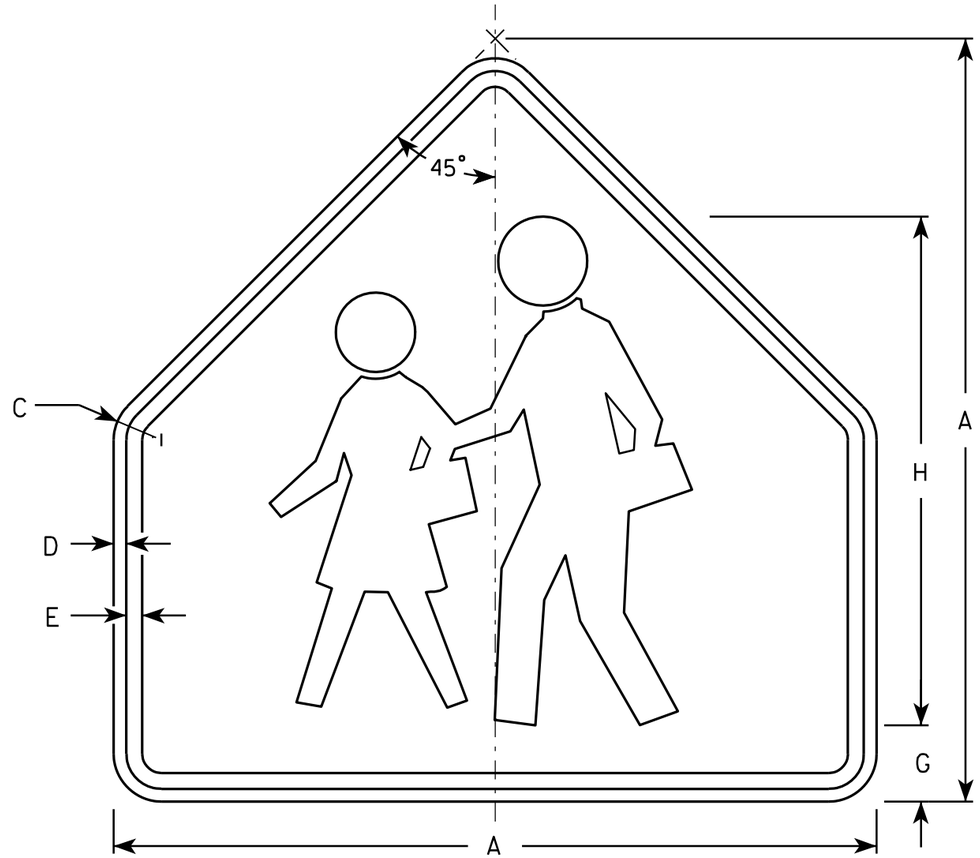
STANDARD SIGN
R11 - 4

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: 286 | E



S1-1

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-Green
   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	30		1 3/8	1/2	5/8		3	20																			4.69
2	36		1 5/8	5/8	3/4		3 1/2	24																			6.75
3	36		1 5/8	5/8	3/4		3 1/2	24																			6.75
4	48		2 1/4	3/4	1		4 3/4	32																			12
5																											

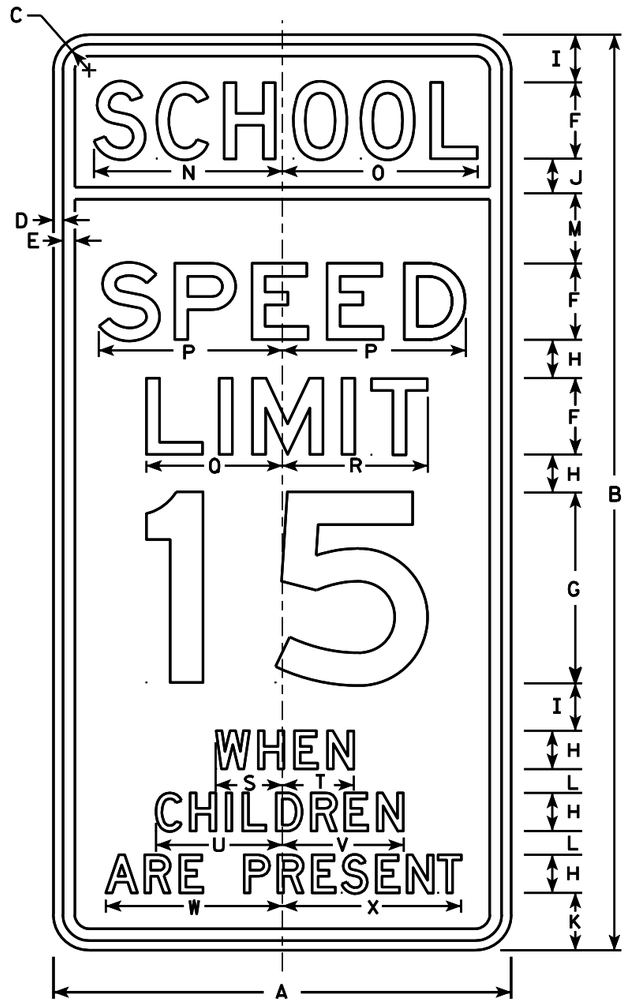
STANDARD SIGN
S1-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 6/30/05 PLATE NO. S1-1.8

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 287	E



S4-51

NOTES

1. Sign is Type II - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition. (See note 5).
2. Color:
   Background - See note 5
   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. Top panel (SCHOOL) background - Yellow Green -Type F Reflective.
   Lower panel background - White -Type H Reflective.
6. From top to bottom:
   Lines 1, 5, 6 & 7 are series D
   Lines 2, 3 & 4 are series E
7. Line 4 substitute appropriate numerals and adjust spacing to achieve proper balance.

Metric equivalent for this sign is:

SIZE	
1	
2	600 mm X 1200 mm
3	900 mm X 1800 mm
4	
5	

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.	Area m2
1																												
2	24	48	1 3/8	1/2	5/8	4	10	2	2 1/2	1 3/4	3	1 1/4	3 3/4	9 7/8	10 1/4	9 5/8	7 1/8	7 5/8	3 1/2	3 3/8	6 5/8	6 3/8	9 1/4	9 3/8			8.00	0.72
3	36	72	2 1/4	3/4	1	6	15	3	3 3/4	2 3/4	4 1/2	1 7/8	5 1/2	15	15 1/4	14 1/2	11 1/4	11 1/2	5 1/2	5 3/4	10	9 3/4	14	14 1/8			18.00	1.62
4																												
5																												

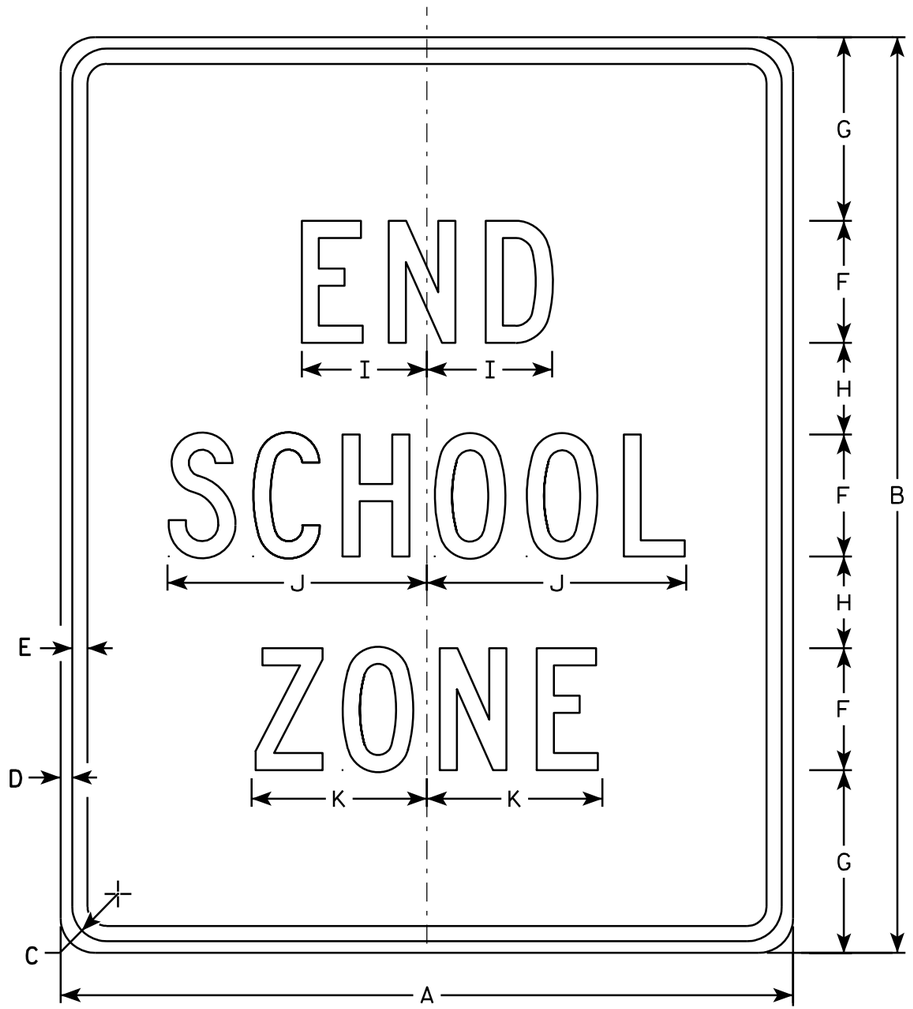
STANDARD SIGN
S4-51

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 4/26/10 PLATE NO. S4-51.9

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 288	E



S5-2

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 - 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																											
2	24	30	1 1/8	3/8	1/2	4	6	3	4 1/8	8 1/2	5 3/4																5.0
3	36	42	1 5/8	5/8	3/4	6	7	5	6 1/8	12 5/8	8 5/8																10.5
4																											
5																											

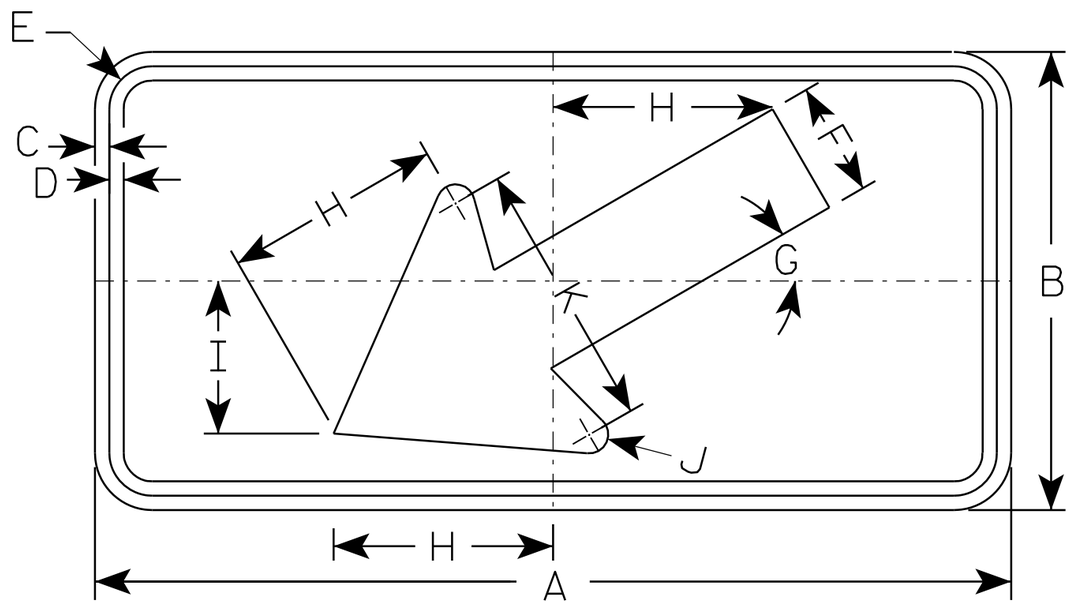
STANDARD SIGN
S5-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/8/11 PLATE NO. S5-2.2

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 289 | E



S16-7L

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Yellow-Green
   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. S16-7R are the same as S16-7L except the arrow is reversed along the vertical centerline.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	24	12	3/8	3/8	1 1/8	3	30°	5 3/4	4	1/2	7																2.0
2S	30	18	3/8	1/2	1 1/8	4 1/2	30°	8 1/2	6	5/8	10 1/4																3.75
2M	30	18	3/8	1/2	1 1/8	4 1/2	30°	8 1/2	6	5/8	10 1/4																3.75
3	30	18	3/8	1/2	1 1/8	4 1/2	30°	8 1/2	6	5/8	10 1/4																3.75
4	48	24	1/2	5/8	1 3/8	6	30°	11 1/2	8	1	14																8.0
5																											

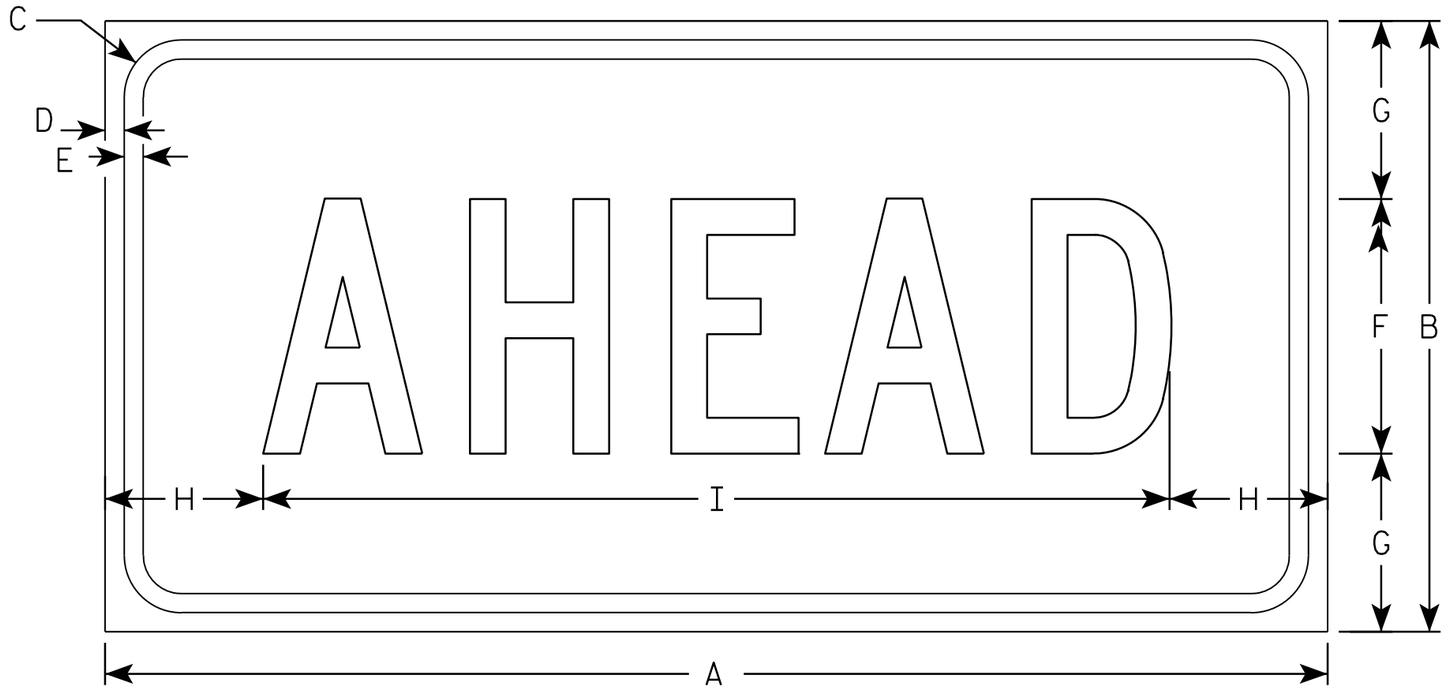
STANDARD SIGN
S16-7

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 7/22/13 PLATE NO. S16-7.1

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 290 | E



S16-9P

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Yellow-Green
   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	24	12	1 1/8	3/8	3/8	5	3 1/2	3 1/8	17 3/4																		2.0
2S	30	18	1 1/8	3/8	1/2	7	5 1/2	2 3/4	24 1/2																		3.75
2M	30	18	1 1/8	3/8	1/2	7	5 1/2	2 3/4	24 1/2																		3.75
3	30	18	1 1/8	3/8	1/2	7	3 1/2	2 3/4	24 1/2																		3.75
4	48	24	1 3/8	1/2	5/8	10	7	6 1/8	35 3/4																		8.0
5																											

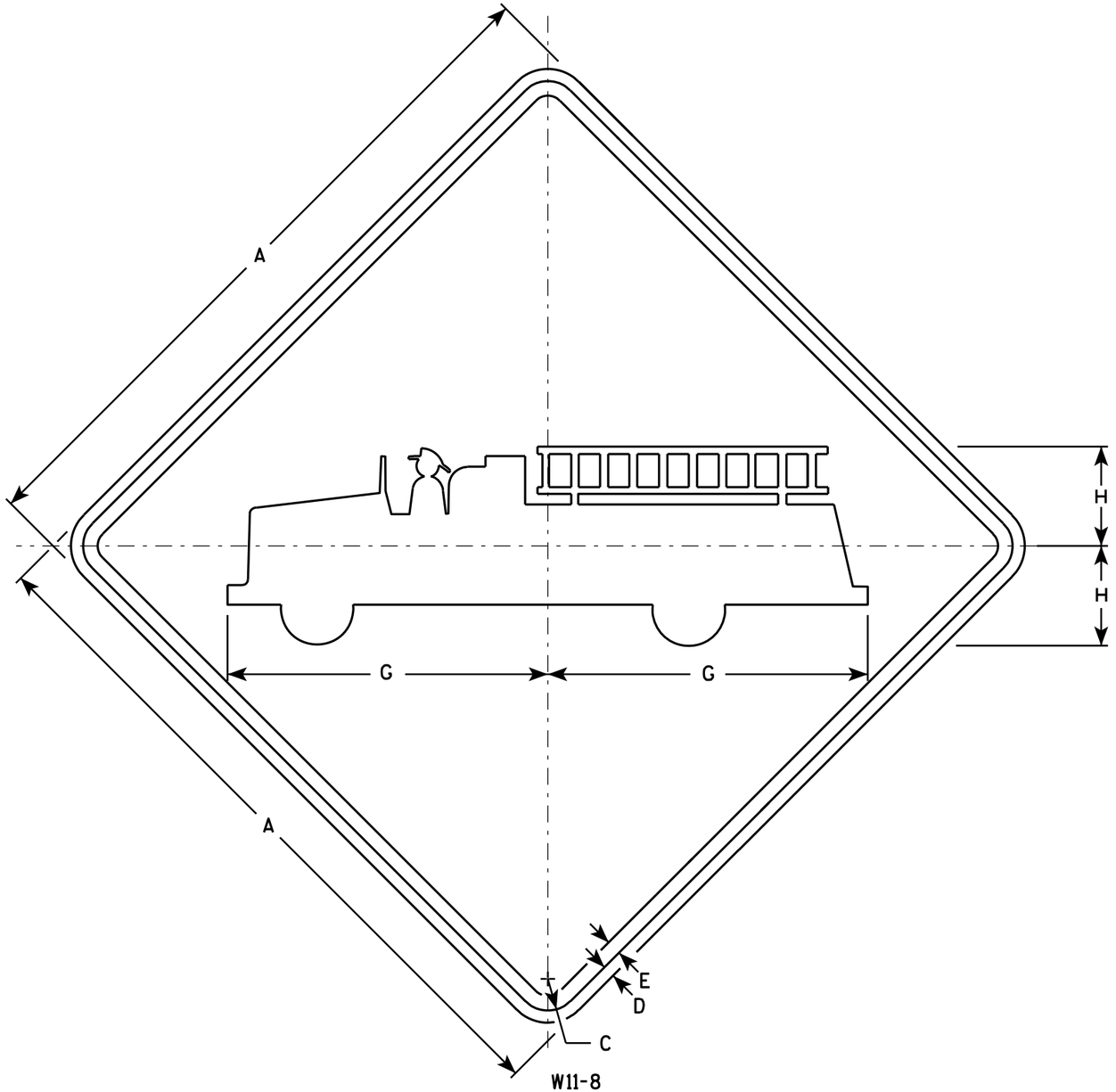
STANDARD SIGN
S16-9P

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 7/22/13 PLATE NO. S16-9P.1

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 291 | E



W11-8

NOTES

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

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	24		1 1/8	3/8	1/2		11	3 3/8																			4.0
2S	30		1 3/8	1/2	5/8		13 3/4	4 3/8																			6.25
2M	30		1 3/8	1/2	5/8		13 3/4	4 3/8																			6.25
3	36		1 5/8	5/8	3/4		16 1/2	5 1/4																			9.0
4	48		2 1/4	3/4	1		22	7																			16.0
5																											

STANDARD SIGN
W11-8

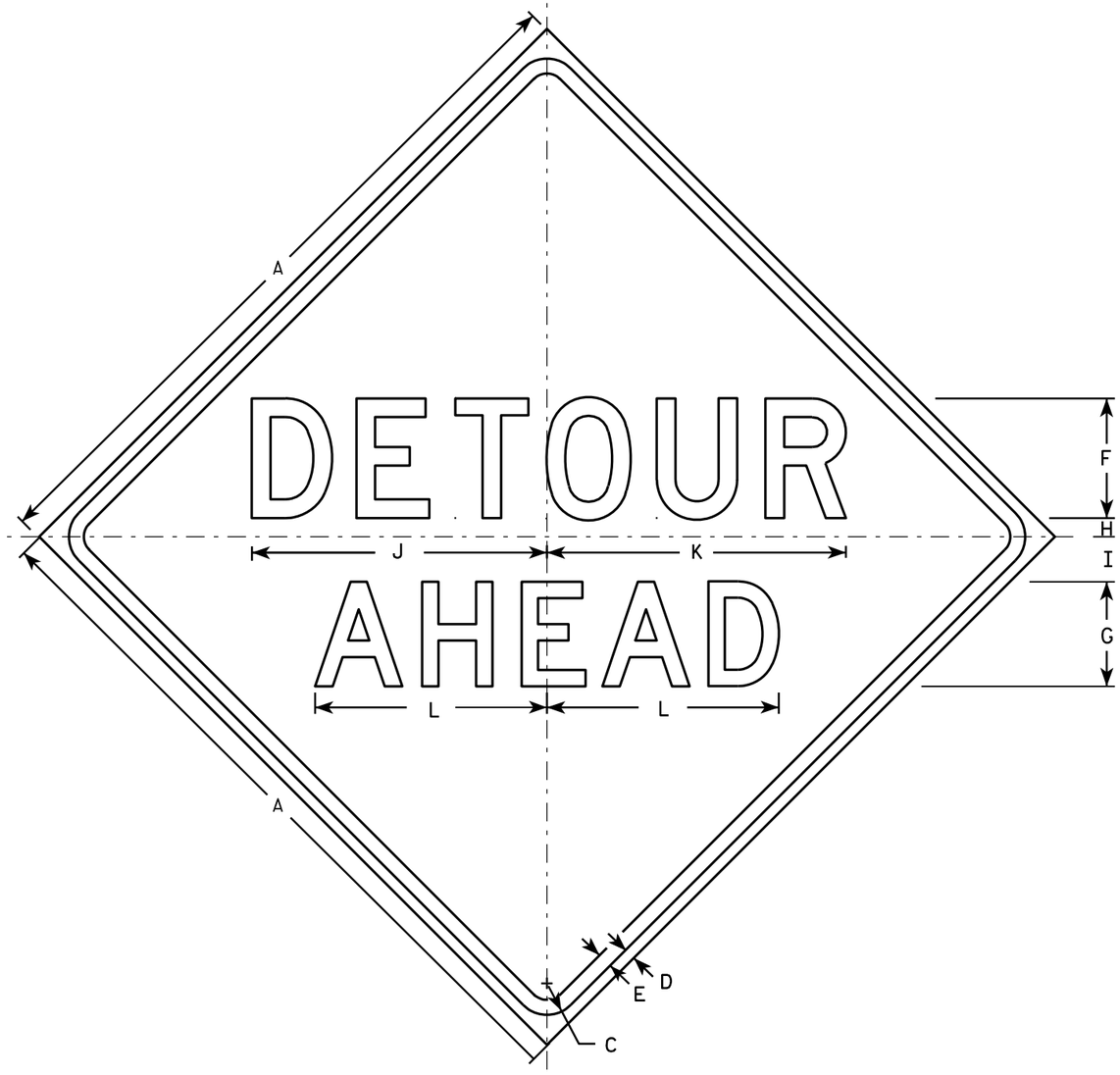
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

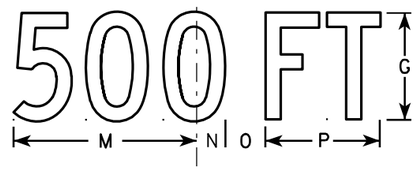
DATE 3/13/13 PLATE NO. W11-8.7

PROJECT NO:

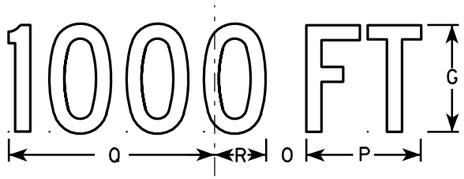
SHEET NO: 292 E



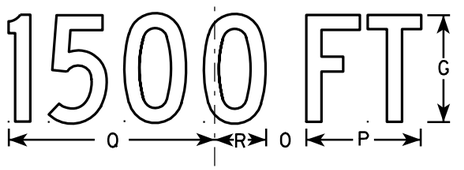
W20-2A



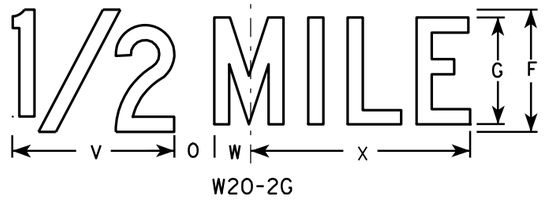
W20-2D



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

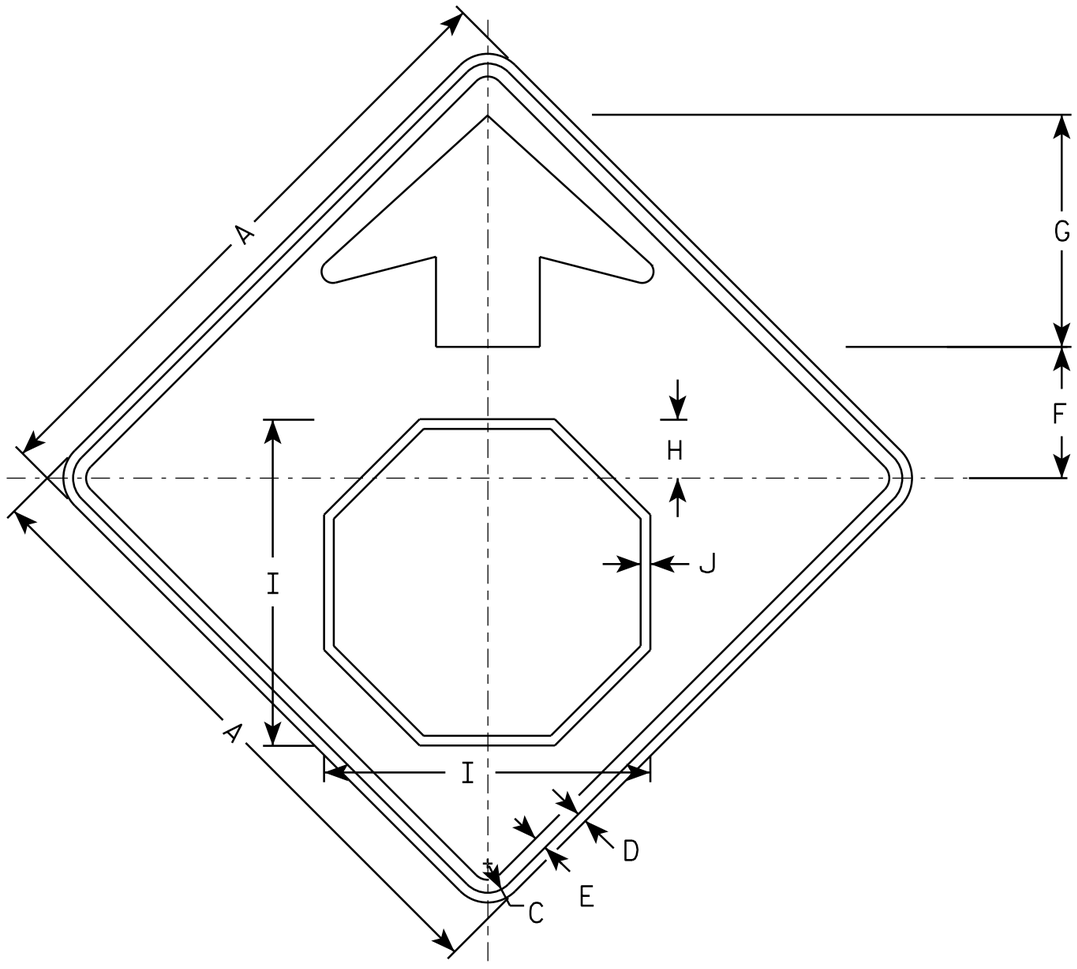
STANDARD SIGN
W20-2A,B,C,D,F & G

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

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

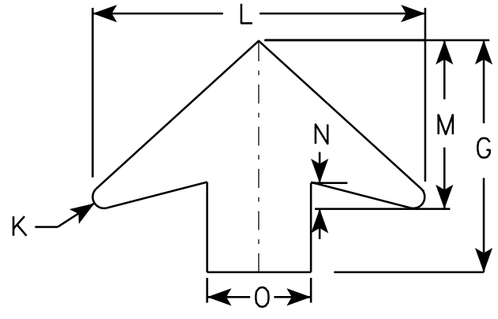
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 293 | E



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 294 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

STH 116 WEST EARTHWORK DETAIL

STATION	AREA (SF)			INCREM VOL (CY) (UNADJ)			CUM VOL (CY)		MASS ORDINATE
	CUT	SALVAGED / UNUSABLE PAVEMENT MATERIAL	FILL	CUT	SALVAGED / UNUSABLE PAVEMENT MATERIAL	FILL	CUT 1.00	EXPANDED FILL 1.25	
103+13	123	0	0	0	0	0	0	0	0
103+50	123	0	0	170	0	0	170	0	169
104+00	133	0	1	237	0	1	407	2	405
104+50	188	0	0	297	0	1	704	3	701
105+00	146	0	24	310	0	22	1,013	31	982
105+50	142	0	1	267	0	23	1,281	60	1,221
106+00	141	0	1	263	0	2	1,543	62	1,481
106+50	150	0	1	270	0	1	1,813	64	1,750
107+00	138	0	0	266	0	1	2,080	64	2,015
107+50	126	0	1	244	0	1	2,324	66	2,258
108+00	131	0	0	238	0	1	2,562	67	2,495
108+50	131	0	0	243	0	0	2,805	68	2,737
109+00	127	0	0	239	0	0	3,043	68	2,975
109+50	136	0	0	243	0	0	3,286	69	3,218
110+00	141	0	0	256	0	0	3,542	69	3,474
110+50	144	0	0	264	0	0	3,806	69	3,738
111+00	155	0	3	277	0	3	4,083	72	4,011
111+50	208	0	0	336	0	3	4,419	76	4,343
111+68	199	0	0	136	0	0	4,554	76	4,478
112+00	156	0	0	210	0	0	4,765	76	4,688
112+50	154	0	1	288	0	1	5,052	77	4,975
112+73	165	0	0	136	0	0	5,188	78	5,111
113+00	150	0	2	157	0	1	5,345	79	5,266
113+22	162	0	0	125	0	1	5,470	80	5,390
113+50	149	0	3	164	0	2	5,634	82	5,551
114+00	147	0	2	275	0	4	5,908	87	5,821
114+50	139	0	5	266	0	6	6,174	95	6,079
115+00	138	0	3	257	0	8	6,431	105	6,326
115+50	139	0	6	257	0	8	6,687	115	6,572
116+00	266	0	0	375	0	5	7,063	122	6,941
116+50	151	0	0	386	0	0	7,449	122	7,327
116+64	165	0	0	82	0	0	7,531	122	7,409
117+00	152	0	0	211	0	0	7,742	122	7,620
117+50	154	0	0	283	0	0	8,025	122	7,903
117+68	162	0	0	105	0	0	8,130	122	8,008
118+00	153	0	2	187	0	1	8,317	124	8,193
118+50	140	0	4	271	0	6	8,588	131	8,457
118+68	153	0	2	98	0	2	8,685	133	8,552
119+00	148	0	1	178	0	2	8,863	136	8,728
119+50	159	0	1	284	0	2	9,147	138	9,009
120+00	143	0	1	280	0	2	9,428	141	9,286
120+50	175	0	7	295	0	8	9,722	151	9,571
121+00	161	0	0	311	0	7	10,033	159	9,874

STH 116 WEST EARTHWORK DETAIL

STATION	AREA (SF)			INCREM VOL (CY) (UNADJ)			CUM VOL (CY)		MASS ORDINATE
	CUT	SALVAGED / UNUSABLE PAVEMENT MATERIAL	FILL	CUT	SALVAGED / UNUSABLE PAVEMENT MATERIAL	FILL	CUT 1.00	EXPANDED FILL 1.25	
121+42	141	0	1	235	0	1	10,268	160	10,108
121+50	144	0	0	42	0	0	10,310	160	10,150
121+93	148	0	1	233	0	2	10,543	162	10,380
122+00	131	0	4	36	0	1	10,579	163	10,416
122+12	141	0	1	60	0	1	10,639	165	10,475
122+39	140	0	1	141	0	1	10,780	166	10,613
122+50	137	0	2	57	0	1	10,836	167	10,669
123+00	139	0	2	255	0	3	11,092	171	10,921
123+50	147	0	2	264	0	3	11,356	175	11,181
124+00	270	0	0	386	0	2	11,741	177	11,564
124+50	137	0	3	377	0	2	12,118	180	11,938
125+00	147	0	1	262	0	3	12,380	184	12,196
125+14	158	0	0	79	0	0	12,459	184	12,275
125+50	154	0	0	208	0	0	12,667	184	12,483
125+78	168	0	0	167	0	0	12,834	184	12,650
126+00	161	0	0	134	0	0	12,969	185	12,784
126+23	165	0	0	139	0	0	13,108	185	12,923
126+50	148	0	2	157	0	1	13,264	186	13,078
127+00	142	0	0	269	0	2	13,533	189	13,344
127+50	278	0	0	389	0	0	13,922	189	13,733
128+00	137	0	0	385	0	0	14,307	189	14,117
128+21	160	0	0	116	0	0	14,422	189	14,233
128+50	163	0	0	173	0	0	14,595	189	14,406
129+00	166	0	0	304	0	0	14,900	189	14,710
129+29	168	0	0	179	0	0	15,079	189	14,890
129+50	166	0	0	130	0	0	15,209	189	15,019
130+00	150	0	0	293	0	0	15,502	189	15,312
130+50	298	0	0	415	0	0	15,917	189	15,727
131+00	159	0	0	423	0	0	16,339	189	16,150
131+50	162	0	0	297	0	0	16,636	189	16,447
132+00	159	0	0	297	0	0	16,934	189	16,744
132+10	163	0	0	60	0	0	16,993	189	16,804
132+50	163	0	0	242	0	0	17,235	189	17,045
132+60	164	0	0	61	0	0	17,295	189	17,106

PROJECT NO: 6190-15-71	HWY: STH 116	COUNTY: WINNEBAGO	EARTHWORK QUANTITIES	SHEET NO: 295 E
FILE NAME:	ORIGINATOR: OMNNI ASSOCIATES	ORIG. DATE:	REV. DATE:	PRINT DATE: September 19, 2017

STH 116 EAST EARTHWORK DETAIL

STATION	AREA (SF)				INCREMENTAL VOL (CY) (UNADJUSTED)				CUMLATIVE VOL (CY)		
	CUT	SALVAGED / UNUSABLE PAVEMENT MATERIAL	FILL	EBS	CUT	SALVAGED / UNUSABLE PAVEMENT MATERIAL	FILL	EBS	CUT 1.00	EXPANDED FILL 1.25	MASS ORDINATE NOTE 8
149+60	140	0	0	0	0	0	0	0	0	0	0
150+00	142	0	0	0	209	0	1	0	209	1	208
150+12	142	0	1	0	63	0	0	0	272	1	271
150+50	137	0	1	0	197	0	1	0	469	3	466
151+00	154	0	0	0	269	0	1	0	738	4	734
151+50	152	0	0	0	283	0	0	0	1,021	5	1,016
152+00	287	0	0	0	406	0	0	0	1,427	5	1,421
152+50	164	0	0	0	417	0	0	0	1,844	5	1,838
153+00	160	0	0	0	300	0	0	0	2,143	5	2,138
153+50	156	0	0	0	293	0	0	0	2,436	5	2,431
153+71	160	0	0	0	123	0	0	0	2,559	6	2,554
154+00	148	0	1	0	165	0	1	0	2,725	7	2,718
154+50	152	0	1	0	278	0	2	0	3,003	9	2,993
155+00	258	0	0	0	380	0	1	0	3,383	10	3,373
155+50	152	0	1	0	380	0	1	0	3,763	11	3,752
156+00	160	0	1	0	290	0	1	0	4,053	13	4,040
156+50	148	0	3	0	285	0	3	0	4,338	17	4,321
156+85	152	0	2	0	194	0	3	0	4,532	21	4,511
157+00	148	0	1	0	83	0	1	0	4,615	22	4,594
157+18	143	0	1	0	97	0	1	0	4,712	23	4,690
157+50	128	0	3	0	161	0	2	0	4,873	25	4,848
158+00	137	0	0	0	246	0	3	0	5,119	29	5,090
158+22	146	0	0	0	115	0	0	0	5,234	29	5,204
158+50	138	0	0	0	148	0	0	0	5,381	29	5,352
159+00	135	0	0	0	253	0	0	0	5,635	29	5,605
159+16	144	0	0	0	82	0	0	0	5,717	30	5,688
159+26	143	0	1	0	51	0	0	0	5,768	30	5,738
159+50	139	0	0	0	128	0	0	0	5,896	30	5,866
159+83	138	0	0	0	169	0	0	0	6,065	30	6,035
160+00	135	0	0	0	86	0	0	0	6,152	30	6,121
160+50	138	0	0	0	253	0	0	0	6,404	31	6,373
161+00	220	0	0	0	332	0	0	0	6,736	31	6,705
161+00	0	0	0	0	0	0	0	0	6,736	31	6,705
161+30	145	0	0	0	81	0	0	0	6,816	31	6,785
161+50	135	0	1	0	104	0	0	0	6,921	32	6,889
162+00	135	0	1	0	250	0	1	0	7,171	33	7,138
162+50	136	0	0	0	251	0	1	0	7,423	34	7,389
162+78	148	0	0	0	147	0	0	0	7,570	34	7,536
163+00	149	0	0	0	121	0	0	0	7,691	34	7,657
163+11	150	0	0	0	61	0	0	0	7,752	34	7,717
163+50	161	0	0	0	225	0	0	0	7,976	34	7,942
163+50	161	0	0	0	0	0	0	0	7,976	34	7,942
164+00	155	0	0	0	293	0	0	0	8,269	35	8,235

STH 116 EAST EARTHWORK DETAIL - CONTINUED

STATION	AREA (SF)				INCREMENTAL VOL (CY) (UNADJUSTED)				CUMLATIVE 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	NOTE 8
164+50	290	0	0	0	412	0	0	0	8,681	35	8,646
165+00	161	0	0	0	418	0	0	0	9,099	35	9,064
165+50	151	0	1	0	273	0	1	0	9,372	36	9,336
165+68	157	0	0	0	102	0	0	0	9,475	37	9,438
166+00	145	0	2	0	179	0	2	0	9,653	39	9,615
166+16	153	0	2	0	88	0	1	0	9,741	40	9,701
166+50	142	0	2	0	186	0	2	0	9,927	43	9,884
166+82	147	0	0	0	171	0	1	0	10,099	45	10,054
167+00	143	0	3	0	97	0	1	0	10,195	46	10,150
167+29	151	0	2	0	158	0	3	0	10,354	49	10,305
167+50	146	0	2	0	116	0	2	0	10,469	51	10,418
168+00	150	0	1	0	274	0	2	0	10,743	53	10,690
168+50	158	0	0	0	285	0	1	0	11,027	54	10,973
168+62	164	0	0	0	71	0	0	0	11,099	54	11,045
169+00	153	0	0	0	223	0	0	0	11,322	54	11,268
169+50	153	0	0	0	283	0	0	0	11,606	55	11,551
170+00	160	0	0	0	289	0	0	0	11,895	55	11,840
170+50	156	0	0	0	292	0	0	0	12,187	55	12,132
171+00	231	0	0	0	358	0	0	0	12,545	55	12,490
171+50	186	0	0	0	386	0	0	0	12,931	55	12,876
172+00	154	0	0	0	314	0	0	0	13,246	56	13,190
172+50	161	0	0	0	291	0	0	0	13,537	56	13,481
173+00	170	0	0	0	306	0	0	0	13,843	56	13,787
173+17	174	0	0	0	110	0	0	0	13,952	56	13,896
173+50	162	0	0	21	204	0	0	13	14,156	56	14,113
174+00	156	0	0	21	294	0	0	39	14,450	56	14,446
174+50	171	0	0	21	303	0	0	39	14,754	56	14,788
175+00	159	0	0	21	306	0	0	39	15,059	56	15,132
175+50	154	0	0	21	290	0	0	39	15,349	57	15,461
176+00	164	0	0	21	295	0	0	39	15,644	57	15,794
176+13	165	0	0	21	76	0	0	10	15,720	57	15,880
176+50	161	0	0	21	227	0	0	29	15,947	57	16,136
177+00	163	0	0	21	300	0	0	39	16,247	57	16,475
177+50	161	0	1	21	299	0	0	39	16,546	58	16,812
177+75	168	0	0	21	152	0	0	19	16,699	58	16,984
178+00	161	0	1	21	152	0	0	19	16,851	58	17,155
178+50	165	0	0	21	302	0	1	39	17,153	59	17,495
178+63	165	0	0	21	76	0	0	10	17,229	59	17,581
179+00	167	0	0	21	231	0	0	29	17,460	59	17,841
179+50	174	0	0	21	316	0	0	39	17,776	59	18,195
179+65	172	0	0	21	96	0	0	12	17,871	59	18,303
180+00	162	0	0	21	216	0	0	27	18,088	59	18,546
180+25	161	0	0	21	149	0	0	19	18,237	59	18,715

STH 116 EAST EARTHWORK DETAIL - CONTINUED

STATION	AREA (SF)				INCREMENTAL VOL (CY) (UNADJUSTED)				CUMLATIVE VOL (CY)		
	CUT	SALVAGED / UNUSABLE PAVEMENT MATERIAL	FILL	EBS	CUT	SALVAGED / UNUSABLE PAVEMENT MATERIAL	FILL	EBS	CUT 1.00	EXPANDED FILL 1.25	MASS ORDINATE NOTE 8
180+50	167	0	0	21	152	0	0	19	18,389	59	18,886
181+00	168	0	0	0	310	0	0	19	18,699	59	19,216
181+50	161	0	0	0	304	0	0	0	19,003	59	19,520
182+00	167	0	0	0	303	0	0	0	19,306	60	19,823
182+42	177	0	0	0	267	0	0	0	19,574	60	20,090
182+50	176	0	0	0	52	0	0	0	19,626	60	20,142
183+00	163	0	0	0	314	0	0	0	19,940	60	20,456
183+50	153	0	2	0	293	0	2	0	20,233	62	20,747
184+00	168	0	0	0	298	0	2	0	20,531	64	21,043
184+50	165	0	0	0	309	0	0	0	20,840	64	21,352
185+00	148	0	9	0	290	0	8	0	21,130	75	21,631
185+50	219	0	0	0	339	0	9	0	21,469	85	21,960
186+00	227	0	0	0	412	0	0	0	21,881	86	22,372
186+50	153	0	1	0	351	0	1	0	22,232	87	22,722
187+00	146	0	3	0	274	0	4	0	22,507	91	22,992
187+50	19	0	3	0	154	0	5	0	22,661	98	23,139
187+97	10	0	3	0	25	0	5	0	22,686	104	23,158

9TH ST EARTHWORK DETAIL

STATION	AREA (SF)			INCREMENTAL VOL (CY) (UNADJ)			CUMLATIVE VOL (CY)		
	CUT	SALVAGED / UNUSABLE PAVEMENT MATERIAL	FILL	CUT	SALVAGED / UNUSABLE PAVEMENT MATERIAL	FILL	CUT 1.00	EXPANDED FILL 1.25	MASS ORDINATE NOTE 8
93+00	98	0	30	0	0	0	0	0	0
93+25	94	0	17	89	0	22	89	27	62
93+50	49	0	7	66	0	11	155	41	115
93+75	49	0	2	46	0	4	201	46	155
94+00	48	0	1	45	0	1	246	48	198
94+15	46	0	1	25	0	0	271	48	223

7TH ST EARTHWORK DETAIL

STATION	AREA (SF)			INCREMENTAL VOL (CY) (UNADJ)			CUMLATIVE VOL (CY)		
	CUT	SALVAGED / UNUSABLE PAVEMENT MATERIAL	FILL	CUT	SALVAGED / UNUSABLE PAVEMENT MATERIAL	FILL	CUT 1.00	EXPANDED FILL 1.25	MASS ORDINATE NOTE 8
73+00	127	0	7	0	0	0	0	0	0
73+25	101	0	0	106	0	3	106	4	101
73+30	94	0	0	18	0	0	124	4	119

6TH ST EARTHWORK DETAIL

STATION	AREA (SF)			INCREMENTAL VOL (CY) (UNADJ)			CUMLATIVE VOL (CY)		
	CUT	SALVAGED / UNUSABLE PAVEMENT MATERIAL	FILL	CUT	SALVAGED / UNUSABLE PAVEMENT MATERIAL	FILL	CUT 1.00	EXPANDED FILL 1.25	MASS ORDINATE NOTE 8
61+68	83	0	0.0	0	0	0	0	0	0
61+75	88	0	0.1	22	0	0	22	0	22
62+00	109	0	0.2	91	0	0	113	0	113
62+01	0	0	0.0	2	0	0	115	0	115
62+99	0	0	0.0	0	0	0	115	0	115
63+00	117	0	0.5	2	0	0	118	0	117
63+13	93	0	0.1	51	0	0	169	0	168

5TH ST EARTHWORK DETAIL

STATION	AREA (SF)			INCREMENTAL VOL (CY) (UNADJ)			CUMLATIVE VOL (CY)		
	CUT	SALVAGED / UNUSABLE PAVEMENT MATERIAL	FILL	CUT	SALVAGED / UNUSABLE PAVEMENT MATERIAL	FILL	CUT 1.00	EXPANDED FILL 1.25	MASS ORDINATE NOTE 8
51+30	41	0	0.2	0	0	0	0	0	0
51+50	48	0	0.3	33	0	0	33	0	33
51+75	58	0	0.1	49	0	0	82	0	82
52+00	111	0	0.9	78	0	0	160	1	159
52+01	0	0	0.0	2	0	0	162	1	161
52+99	0	0	0.0	0	0	0	162	1	161
53+00	122	0	3.4	2	0	0	164	1	163
53+25	62	0	0.0	85	0	2	249	3	246
53+50	43	0	0.2	49	0	0	298	3	295
53+56	41	0	0.2	10	0	0	307	3	304

4TH ST EARTHWORK DETAIL

STATION	AREA (SF)			INCREMENTAL VOL (CY) (UNADJ)			CUMLATIVE VOL (CY)		
	CUT	SALVAGED / UNUSABLE PAVEMENT MATERIAL	FILL	CUT	SALVAGED / UNUSABLE PAVEMENT MATERIAL	FILL	CUT 1.00	EXPANDED FILL 1.25	MASS ORDINATE NOTE 8
42+99	0	0	0.0	0	0	0	0	0	0
43+00	128	0	2.1	2	0	0	2	0	2
43+25	61	0	0.0	87	0	1	90	1	89
43+50	47	0	0.1	50	0	0	140	1	139
43+56	45	0	0.1	10	0	0	150	1	149

3RD ST EARTHWORK DETAIL

STATION	AREA (SF)			INCREMENTAL VOL (CY) (UNADJ)			CUMLATIVE VOL (CY)		
	CUT	SALVAGED / UNUSABLE PAVEMENT MATERIAL	FILL	CUT	SALVAGED / UNUSABLE PAVEMENT MATERIAL	FILL	CUT 1.00	EXPANDED FILL 1.25	MASS ORDINATE NOTE 8
32+99	0	0	0.0	0	0	0	0	0	0
33+00	149	0	0.0	3	0	0	3	0	3
33+15	148	0	0.0	83	0	0	85	0	85
33+25	145	0	0.0	54	0	0	140	0	140
33+30	140	0	0.0	26	0	0	166	0	166
33+50	143	0	0.0	105	0	0	271	0	271
33+55	144	0	0.0	29	0	0	300	0	300

2ND ST EARTHWORK DETAIL

STATION	AREA (SF)			INCREMENTAL VOL (CY) (UNADJ)			CUMLATIVE VOL (CY)		
	CUT	SALVAGED / UNUSABLE PAVEMENT MATERIAL	FILL	CUT	SALVAGED / UNUSABLE PAVEMENT MATERIAL	FILL	CUT 1.00	EXPANDED FILL 1.25	MASS ORDINATE NOTE 8
21+77	168	0	0.0	0	0	0	0	0	0
22+00	156	0	0.0	138	0	0	138	0	138
22+01	0	0	0.0	3	0	0	141	0	141
22+99	0	0	0.0	0	0	0	141	0	141
23+00	162	0	0.0	3	0	0	144	0	144
23+25	173	0	0.0	155	0	0	298	0	298
23+35	168	0	0.0	63	0	0	362	0	362

3RD AVE EARTHWORK DETAIL

STATION	AREA (SF)			INCREMENTAL VOL (CY) (UNADJ)			CUMLATIVE VOL (CY)		
	CUT	SALVAGED / UNUSABLE PAVEMENT MATERIAL	FILL	CUT	SALVAGED / UNUSABLE PAVEMENT MATERIAL	FILL	CUT 1.00	EXPANDED FILL 1.25	MASS ORDINATE NOTE 8
35+75	119	0	0.3	0	0	0	0	0	0
36+00	129	0	0.0	115	0	0	115	0	115
36+01	0	0	0.0	2	0	0	117	0	117
36+99	0	0	0.0	0	0	0	117	0	117
37+00	118	0	0.0	2	0	0	119	0	119
37+13	127	0	0.0	59	0	0	179	0	178
37+50	114	0	0.1	165	0	0	344	0	344

4TH AVE EARTHWORK DETAIL

STATION	AREA (SF)			INCREMENTAL VOL (CY) (UNADJ)			CUMLATIVE VOL (CY)		
	CUT	SALVAGED / UNUSABLE PAVEMENT MATERIAL	FILL	CUT	SALVAGED / UNUSABLE PAVEMENT MATERIAL	FILL	CUT 1.00	EXPANDED FILL 1.25	MASS ORDINATE NOTE 8
45+75	113	0	0.0	0	0	0	0	0	0
46+00	113	0	0.0	104	0	0	104	0	104
46+01	0	0	0.0	2	0	0	106	0	106
46+99	0	0	0.0	0	0	0	106	0	106
47+00	99	0	1.0	2	0	0	108	0	108
47+02	98	0	0.8	7	0	0	116	0	115

6TH AVE EARTHWORK DETAIL

STATION	AREA (SF)			INCREMENTAL VOL (CY) (UNADJ)			CUMLATIVE VOL (CY)		
	CUT	SALVAGED / UNUSABLE PAVEMENT MATERIAL	FILL	CUT	SALVAGED / UNUSABLE PAVEMENT MATERIAL	FILL	CUT 1.00	EXPANDED FILL 1.25	MASS ORDINATE NOTE 8
67+00	118	0	0.0	0	0	0	0	0	0
67+10	115	0	0.0	43	0	0	43	0	43
67+25	110	0	0.0	63	0	0	106	0	106

7TH AVE EARTHWORK DETAIL

STATION	AREA (SF)			INCREMENTAL VOL (CY) (UNADJ)			CUMLATIVE VOL (CY)		
	CUT	SALVAGED / UNUSABLE PAVEMENT MATERIAL	FILL	CUT	SALVAGED / UNUSABLE PAVEMENT MATERIAL	FILL	CUT 1.00	EXPANDED FILL 1.25	MASS ORDINATE NOTE 8
75+75	111	0	0.0	0	0	0	0	0	0
76+00	134	0	0.0	114	0	0	114	0	114
76+01	0	0	0.0	2	0	0	116	0	116
76+99	0	0	0.0	0	0	0	116	0	116
77+00	115	0	0.0	2	0	0	118	0	118
77+15	109	0	0.0	62	0	0	181	0	181

9TH AVE EARTHWORK DETAIL

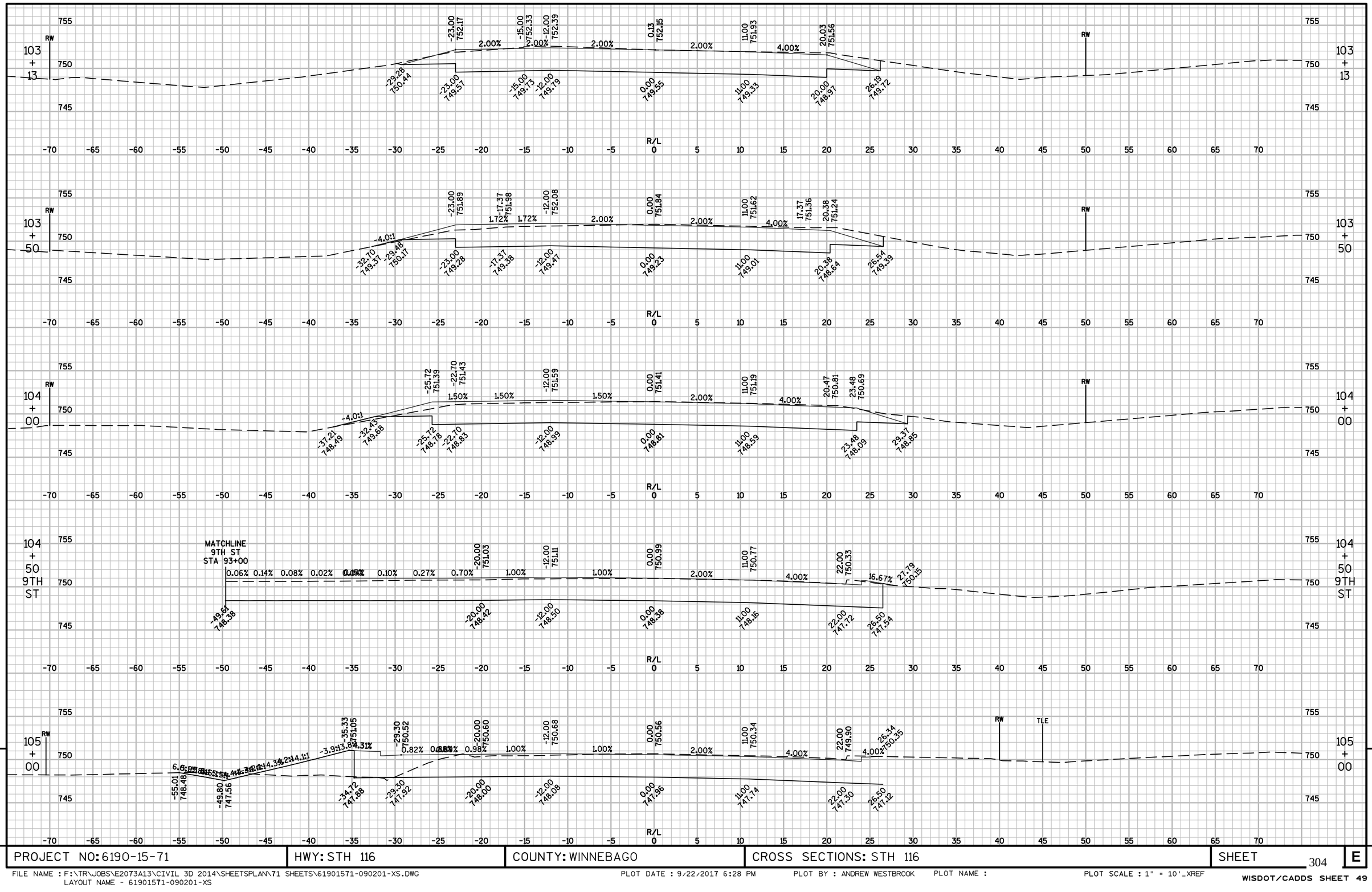
STATION	AREA (SF)			INCREMENTAL VOL (CY) (UNADJ)			CUMLATIVE VOL (CY)		
	CUT	SALVAGED / UNUSABLE PAVEMENT MATERIAL	FILL	CUT	SALVAGED / UNUSABLE PAVEMENT MATERIAL	FILL	CUT 1.00	EXPANDED FILL 1.25	MASS ORDINATE NOTE 8
97+00	303	0	0.0	0	0	0	0	0	0
97+25	160	0	0.0	214	0	0	214	0	214
97+43	184	0	0.0	115	0	0	329	0	329

13TH AVE EARTHWORK DETAIL

STATION	AREA (SF)			INCREMENTAL VOL (CY) (UNADJ)			CUMLATIVE VOL (CY)		
	CUT	SALVAGED / UNUSABLE PAVEMENT MATERIAL	FILL	CUT	SALVAGED / UNUSABLE PAVEMENT MATERIAL	FILL	CUT 1.00	EXPANDED FILL 1.25	MASS ORDINATE NOTE 8
213+50	164	0	0.0	0	0	0	0	0	0
213+78	116	0	0.0	145	0	0	145	0	145

EAST STORM SEWER OUTFALL EARTHWORK DETAIL

STATION	AREA (SF)			INCREMENTAL VOL (CY) (UNADJ)			CUMLATIVE VOL (CY)		
	CUT	SALVAGED / UNUSABLE PAVEMENT MATERIAL	FILL	CUT	SALVAGED / UNUSABLE PAVEMENT MATERIAL	FILL	CUT 1.00	EXPANDED FILL 1.25	MASS ORDINATE NOTE 8
301+00	0	0	0	0	0	0	0	0	0
301+30	2	0	0	1	0	0	1	0	1
301+40	0	0	9	1	0	2	2	2	0
301+50	0	0	10	0	0	4	2	7	-5
301+60	0	0	9	0	0	4	2	11	-9
301+70	0	0	9	0	0	3	2	15	-13
302+00	0	0	3	0	0	7	2	24	-22
302+50	0	0	3	0	0	6	2	31	-29
303+00	0	0	0	0	0	3	2	35	-33



9

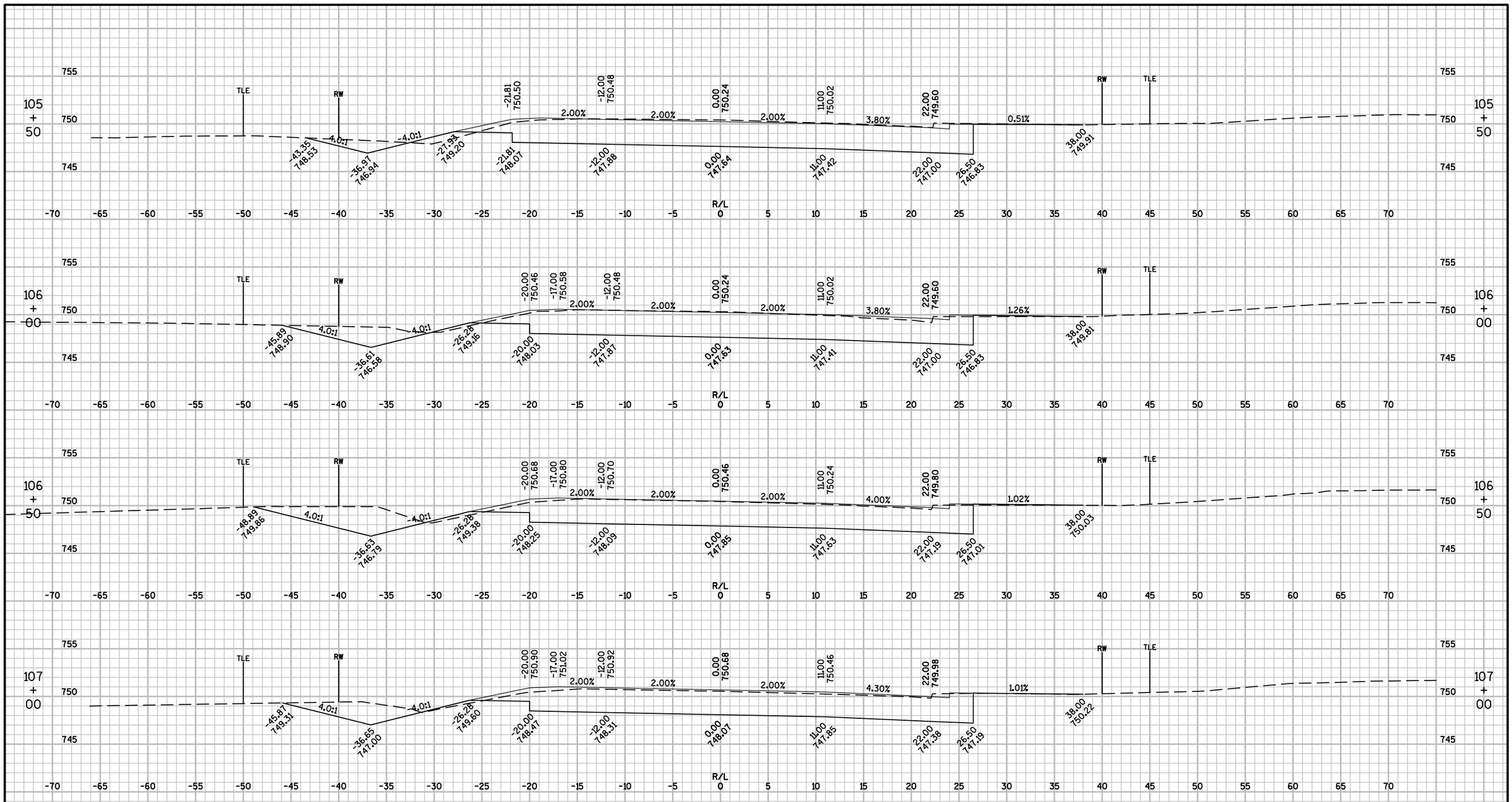
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PROJECT NO: 6190-15-71	HWY: STH 116	COUNTY: WINNEBAGO	CROSS SECTIONS: STH 116	SHEET 304	E

FILE NAME : F:\TR\JOBS\E2073A13\CIVIL 3D 2014\SHEETSPLAN\71 SHEETS\61901571-090201-XS.DWG
LAYOUT NAME - 61901571-090201-XS

PLOT DATE : 9/22/2017 6:28 PM PLOT BY : ANDREW WESTBROOK PLOT NAME : PLOT SCALE : 1" = 10'_XREF

WISDOT/CADDS SHEET 49



9

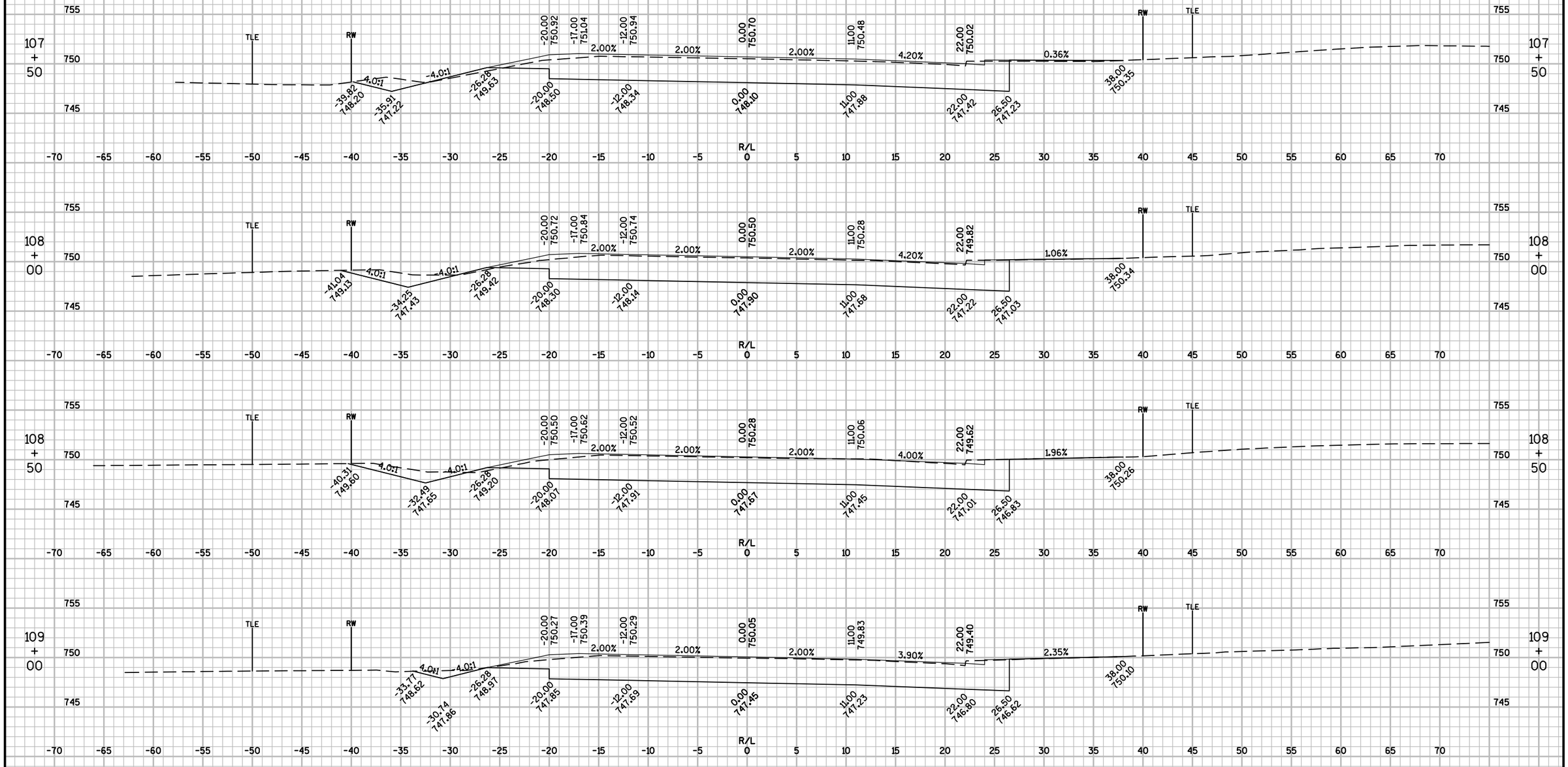
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FILE NAME : F:\TR\JOBS\E2073A13\CIVIL 3D 2014\SHEETSPLAN\71 SHEETS\61901571-090201-XS.DWG
LAYOUT NAME - 61901571-090202-XS

PLOT DATE : 9/22/2017 6:28 PM PLOT BY : ANDREW WESTBROOK PLOT NAME : PLOT SCALE : 1" = 10'_XREF

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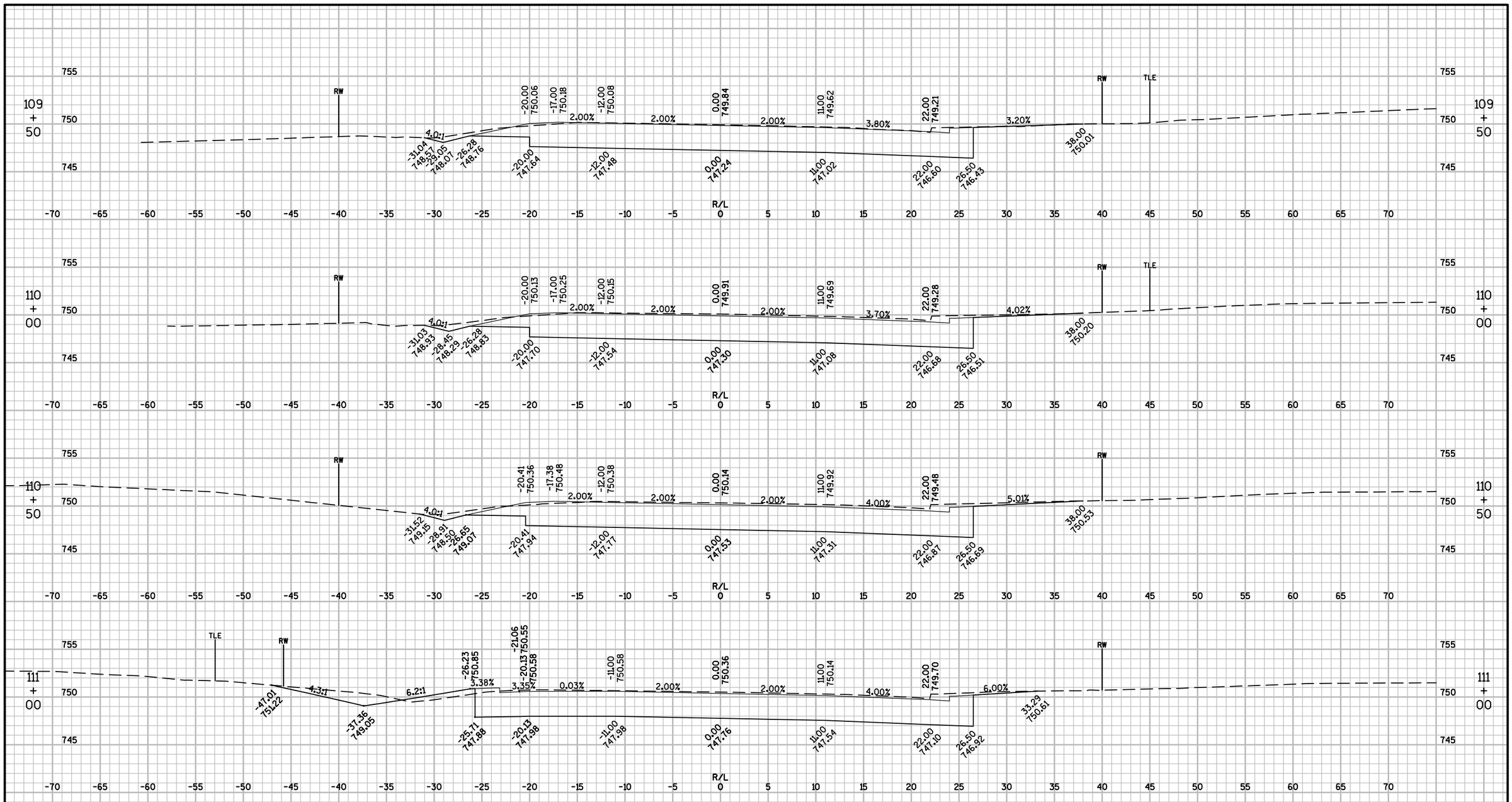
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FILE NAME : F:\TR\JOBS\E2073A13\CIVIL 3D 2014\SHEETSPLAN\71 SHEETS\61901571-090201-XS.DWG
LAYOUT NAME - 61901571-090203-XS

PLOT DATE : 9/22/2017 6:29 PM PLOT BY : ANDREW WESTBROOK PLOT NAME : PLOT SCALE : 1" = 10'_XREF

WISDOT/CADDS SHEET 49



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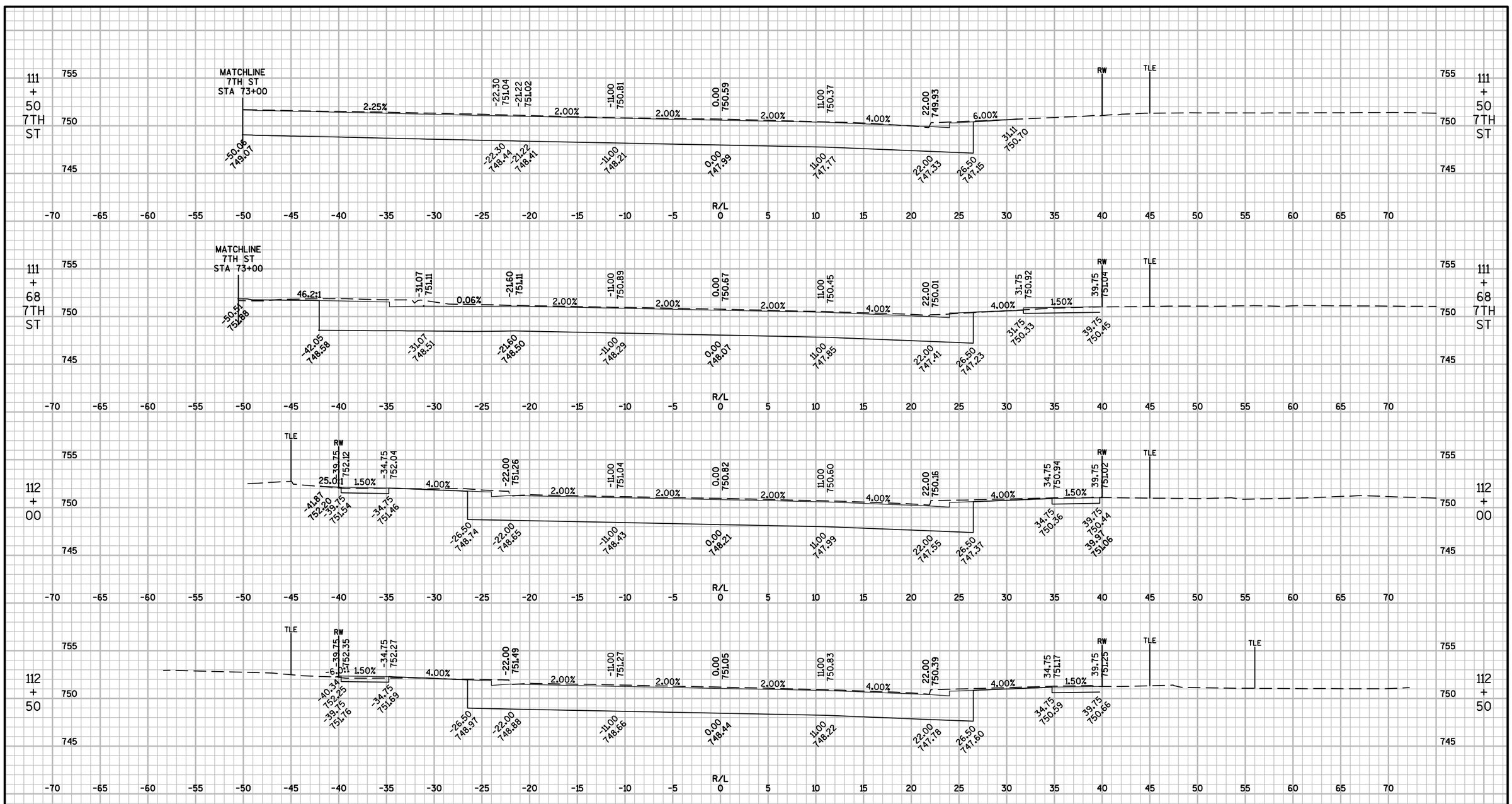
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FILE NAME : F:\TR\JOBS\E2073A13\CIVIL 3D 2014\SHEETSPLAN\71 SHEETS\61901571-090201-XS.DWG
LAYOUT NAME - 61901571-090204-XS

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WISDOT/CADDS SHEET 49

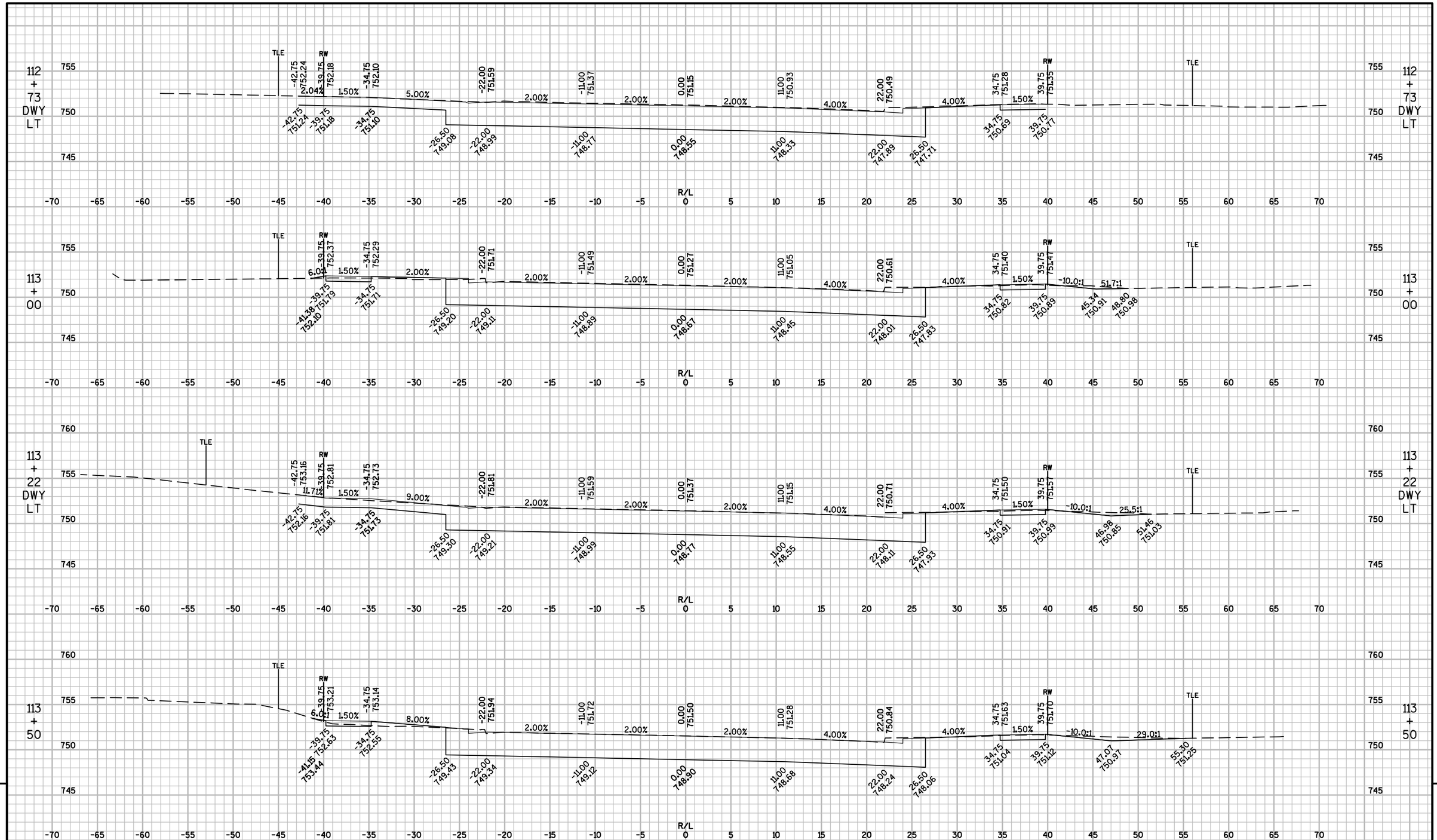


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PROJECT NO: 6190-15-71	HWY: STH 116	COUNTY: WINNEBAGO	CROSS SECTIONS: STH 116	SHEET 308	E

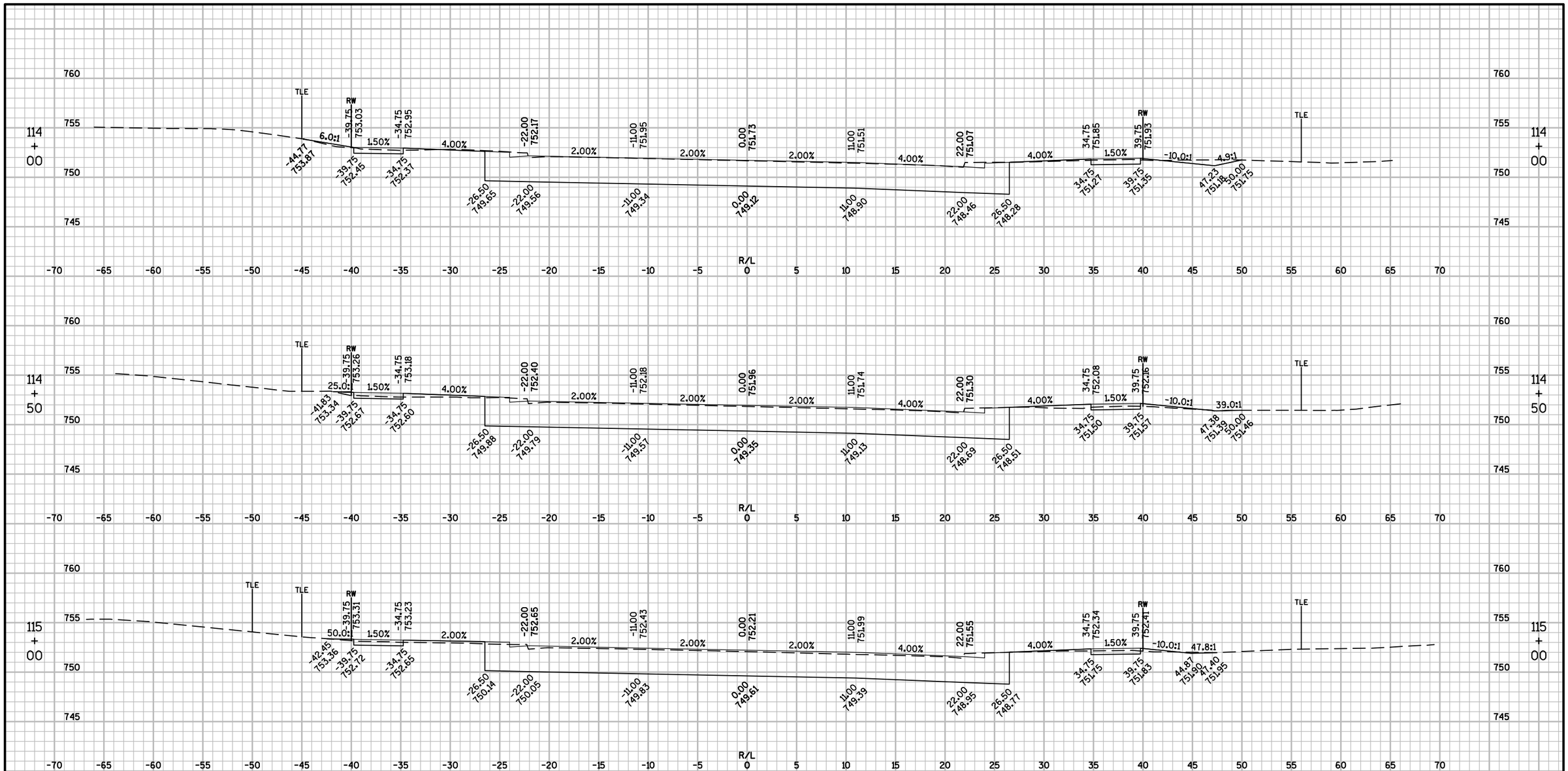
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LAYOUT NAME - 61901571-090205-XS
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WISDOT/CADDS SHEET 49



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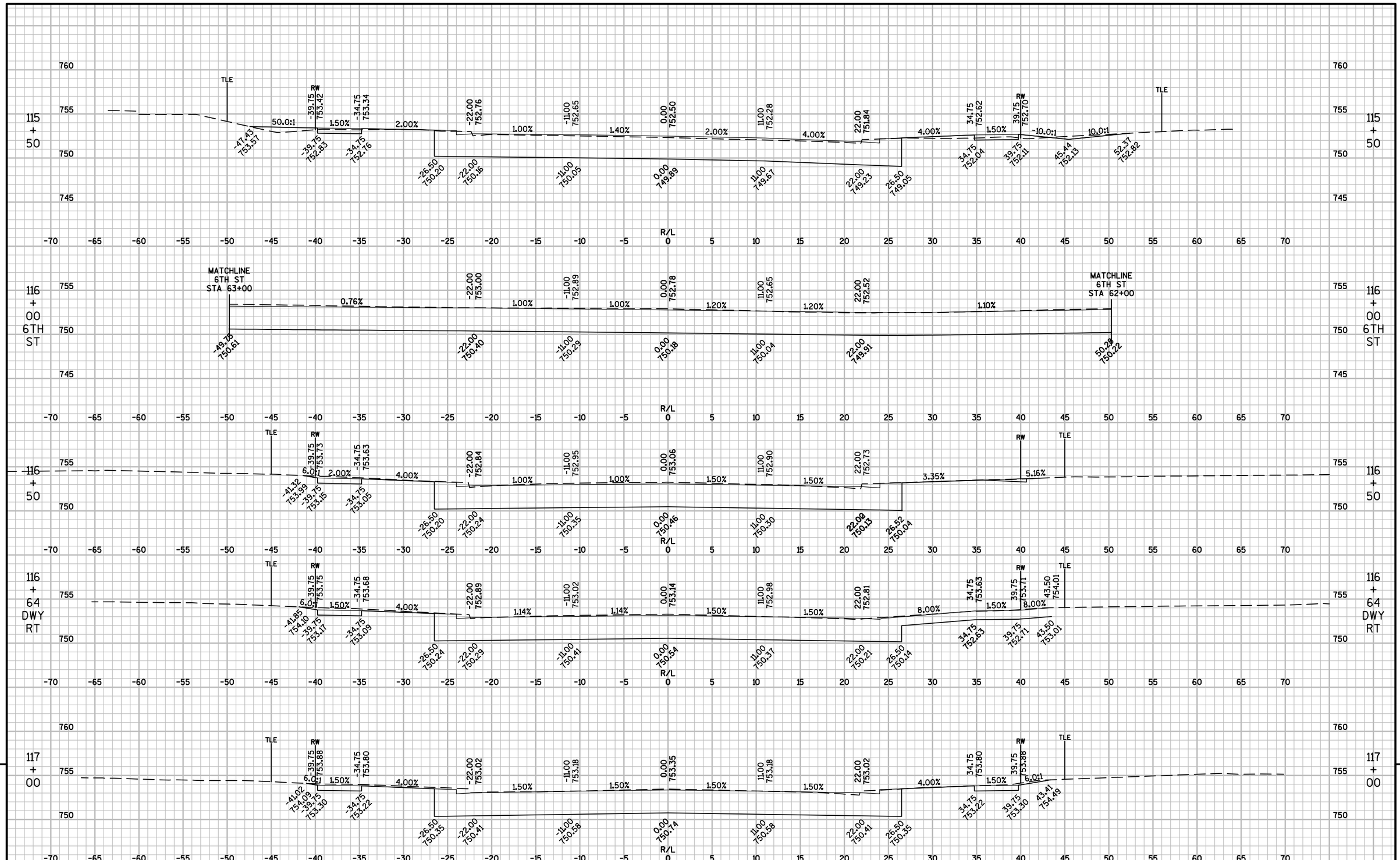
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FILE NAME : F:\TR\JOBS\E2073A13\CIVIL 3D 2014\SHEETSPLAN\71 SHEETS\61901571-090201-XS.DWG
LAYOUT NAME - 61901571-090206-XS
PLOT DATE : 9/22/2017 6:30 PM PLOT BY : ANDREW WESTBROOK PLOT NAME : PLOT SCALE : 1" = 10'_XREF
WISDOT/CADDS SHEET 49



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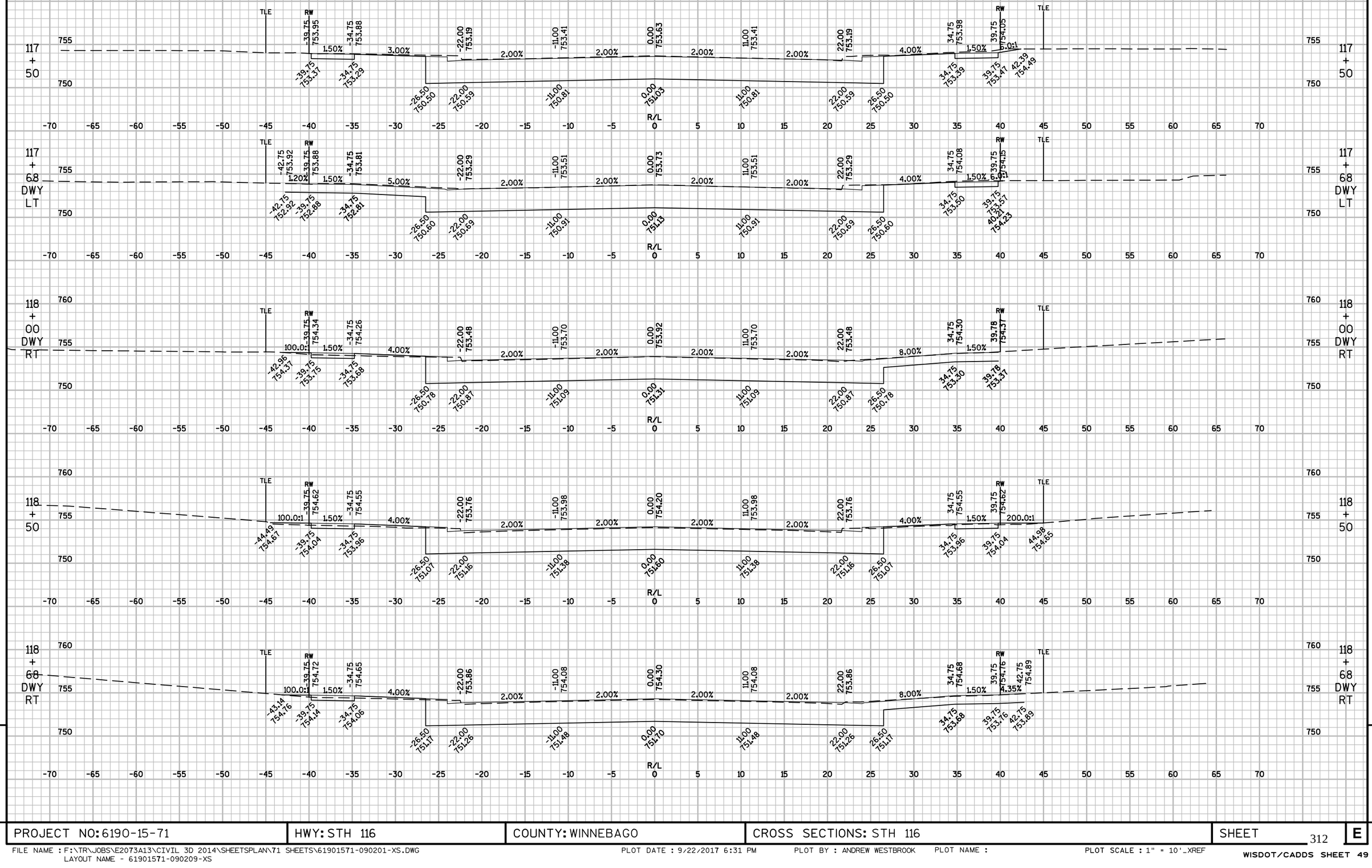
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PROJECT NO: 6190-15-71	HWY: STH 116	COUNTY: WINNEBAGO	CROSS SECTIONS: STH 116	SHEET 311 E

FILE NAME : F:\TR\JOBS\E2073A13\CIVIL 3D 2014\SHEETSPLAN\71 SHEETS\61901571-090201-XS.DWG
LAYOUT NAME - 61901571-090208-XS

PLOT DATE : 9/22/2017 6:31 PM PLOT BY : ANDREW WESTBROOK PLOT NAME : PLOT SCALE : 1" = 10'_XREF

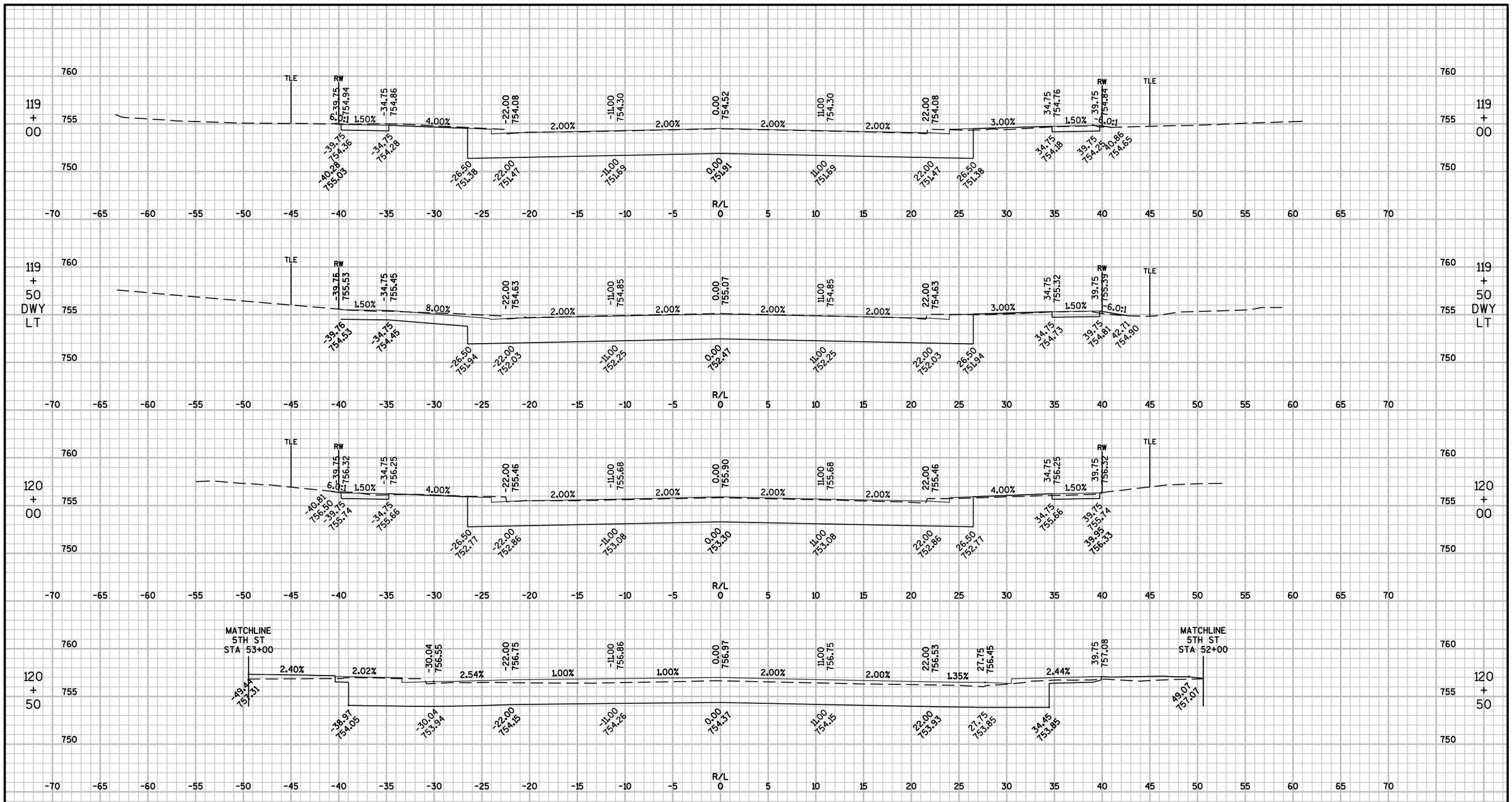


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PROJECT NO: 6190-15-71	HWY: STH 116	COUNTY: WINNEBAGO	CROSS SECTIONS: STH 116	SHEET 312	E

FILE NAME : F:\TR\JOBS\E2073A13\CIVIL 3D 2014\SHEETSPLAN\71 SHEETS\61901571-090201-XS.DWG
LAYOUT NAME - 61901571-090209-XS
PLOT DATE : 9/22/2017 6:31 PM PLOT BY : ANDREW WESTBROOK PLOT NAME : PLOT SCALE : 1" = 10'_XREF
WISDOT/CADDS SHEET 49

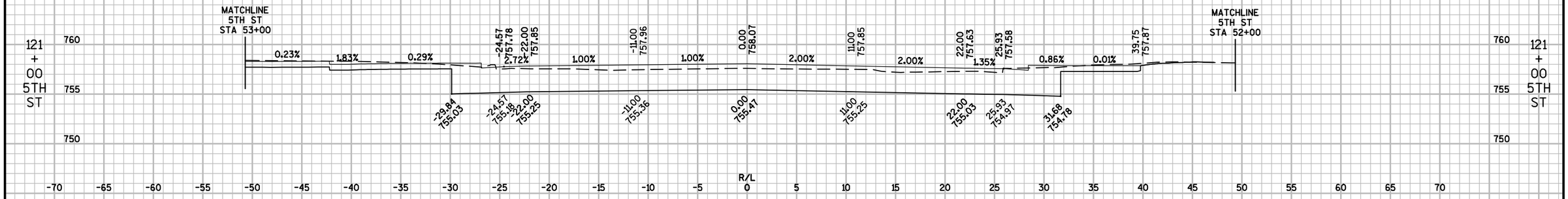


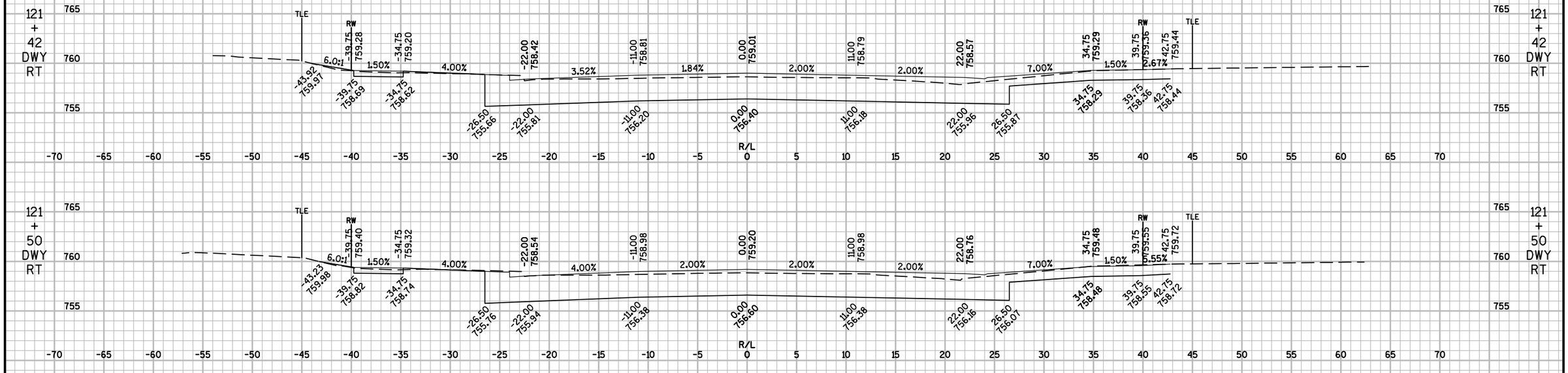
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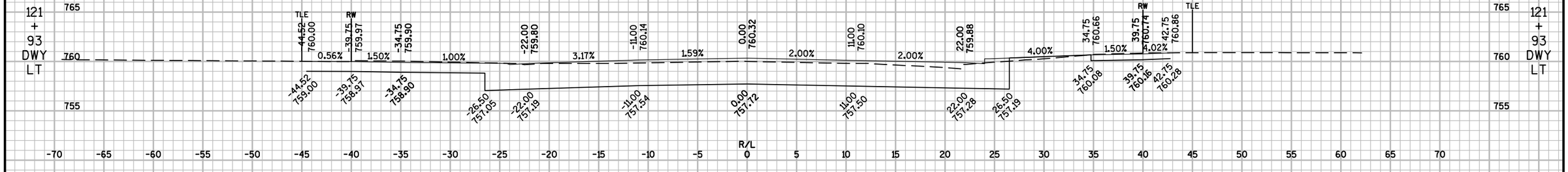
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PROJECT NO: 6190-15-71	HWY: STH 116	COUNTY: WINNEBAGO	CROSS SECTIONS: STH 116	SHEET 313	E

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LAYOUT NAME - 61901571-090210-XS
PLOT DATE : 9/22/2017 6:31 PM PLOT BY : ANDREW WESTBROOK PLOT NAME : PLOT SCALE : 1" = 10'_XREF
WISDOT/CADDS SHEET 49





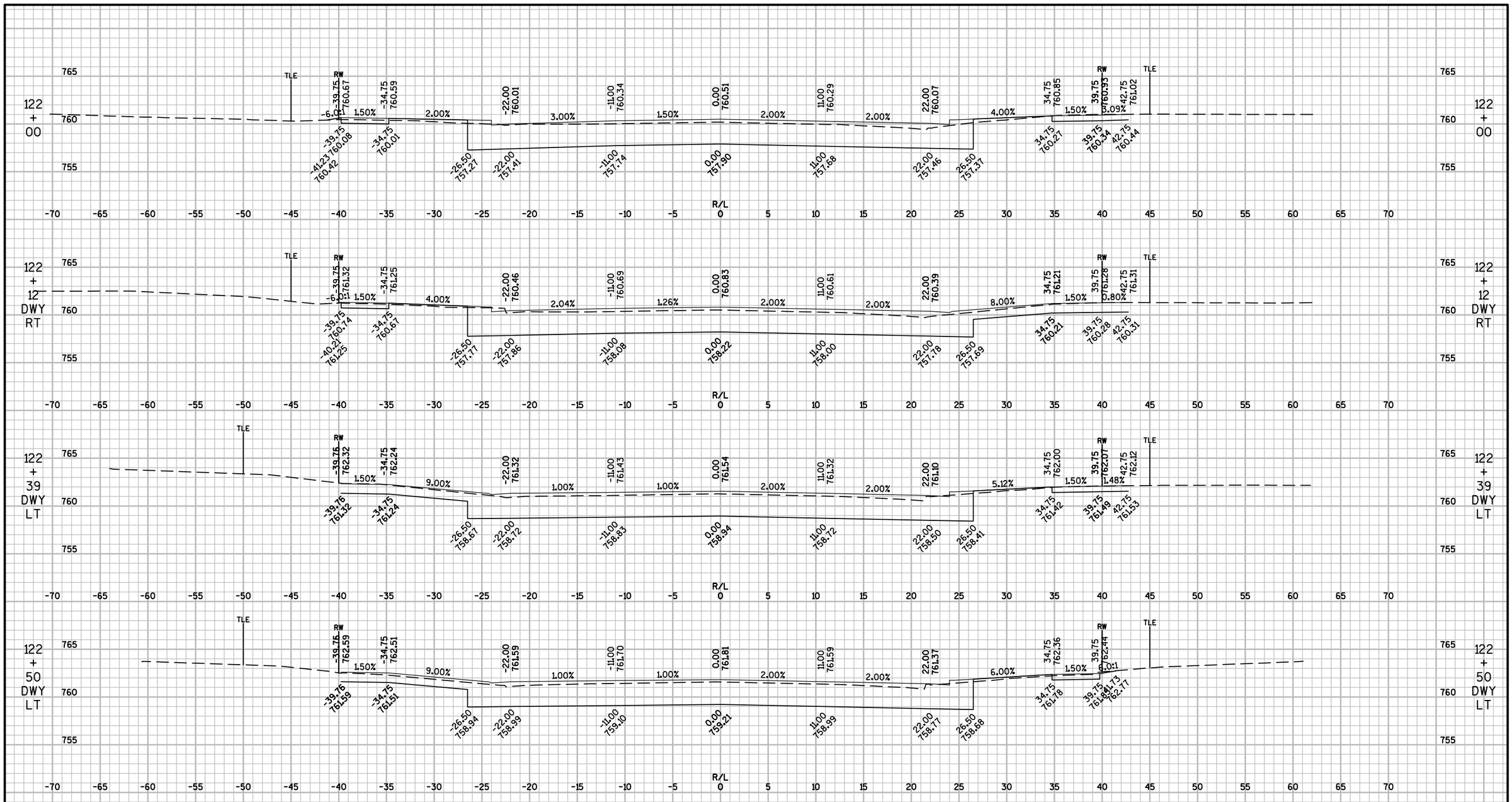


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PROJECT NO: 6190-15-71	HWY: STH 116	COUNTY: WINNEBAGO	CROSS SECTIONS: STH 116	SHEET 314	E

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LAYOUT NAME - 61901571-090211-XS
PLOT DATE : 9/22/2017 6:32 PM PLOT BY : ANDREW WESTBROOK PLOT NAME : PLOT SCALE : 1" = 10'_XREF
WISDOT/CADDS SHEET 49

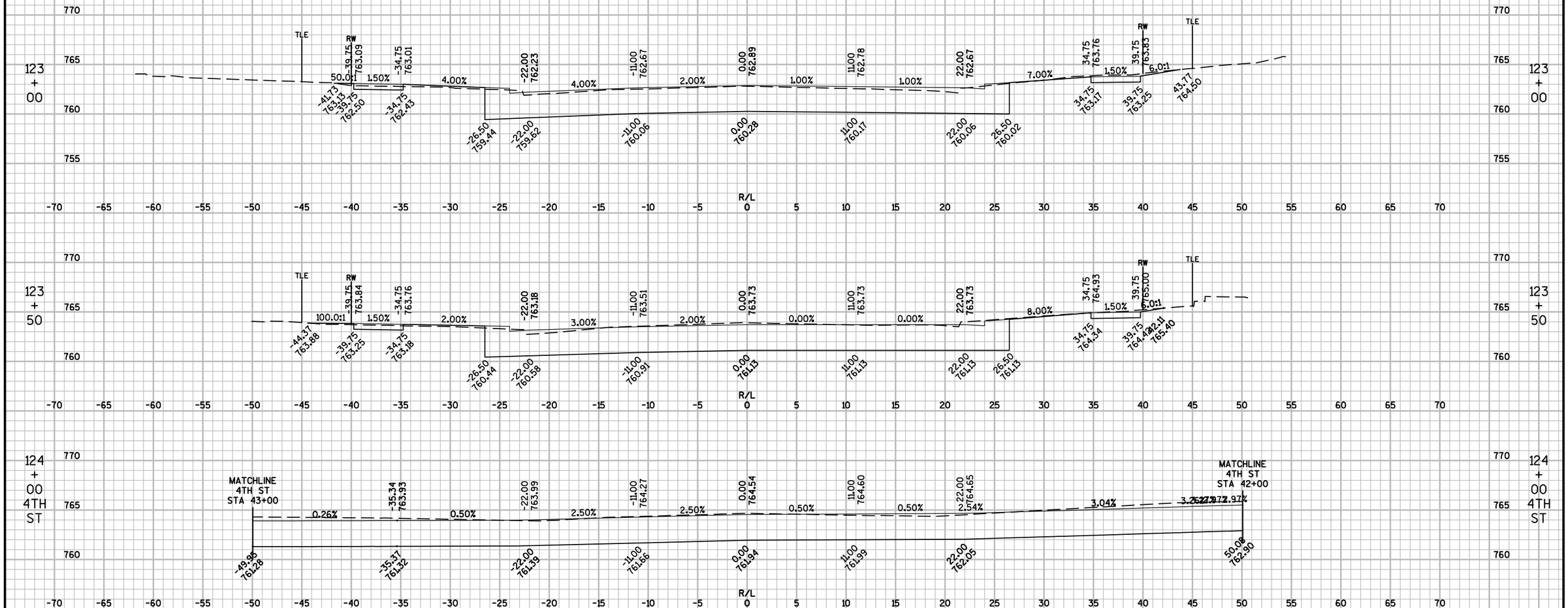


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PROJECT NO: 6190-15-71	HWY: STH 116	COUNTY: WINNEBAGO	CROSS SECTIONS: STH 116	SHEET 315	E

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LAYOUT NAME - 61901571-090212-XS
PLOT DATE : 9/22/2017 6:32 PM PLOT BY : ANDREW WESTBROOK PLOT NAME : PLOT SCALE : 1" = 10'_XREF
WISDOT/CADDS SHEET 49

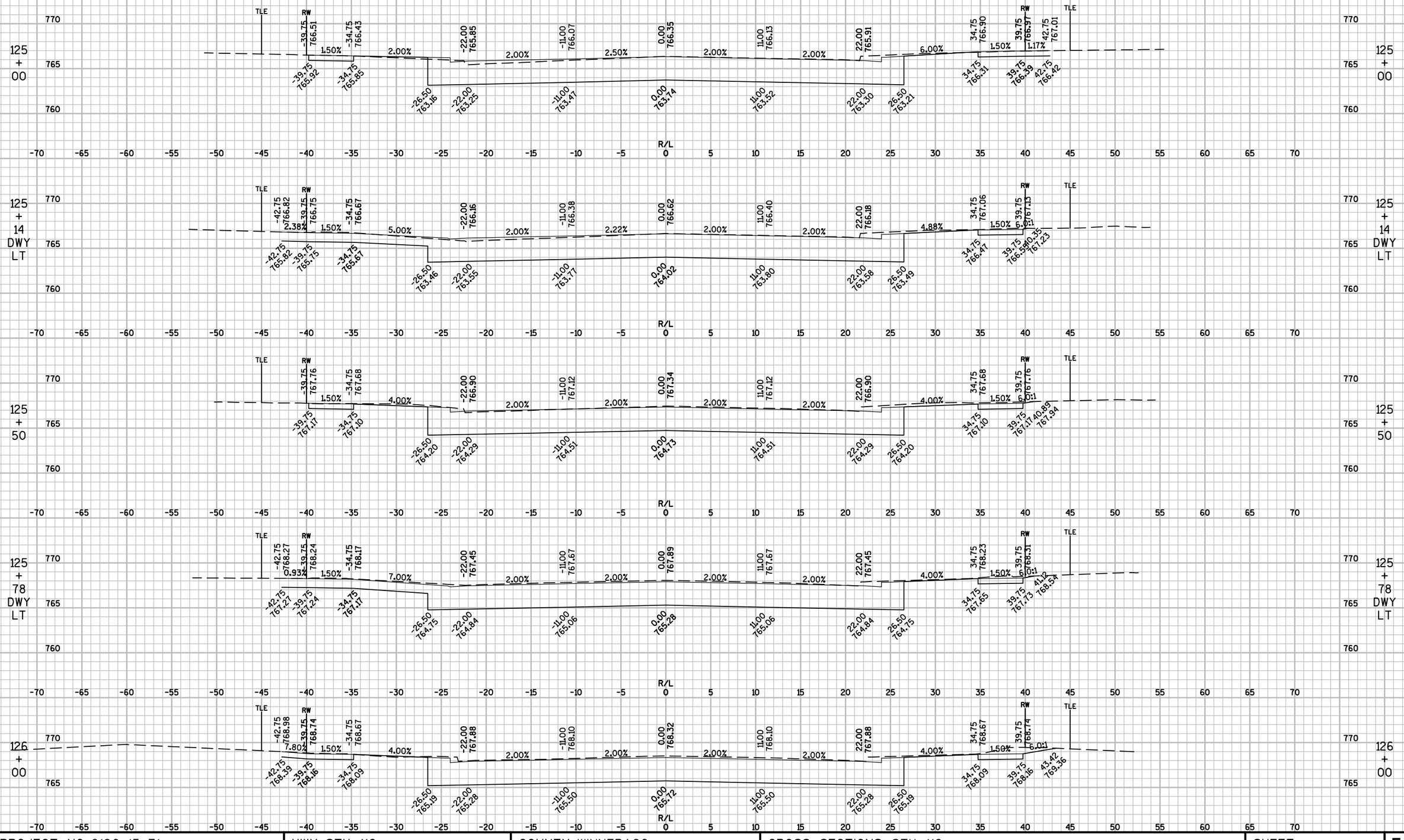


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PROJECT NO: 6190-15-71	HWY: STH 116	COUNTY: WINNEBAGO	CROSS SECTIONS: STH 116	SHEET 316	E

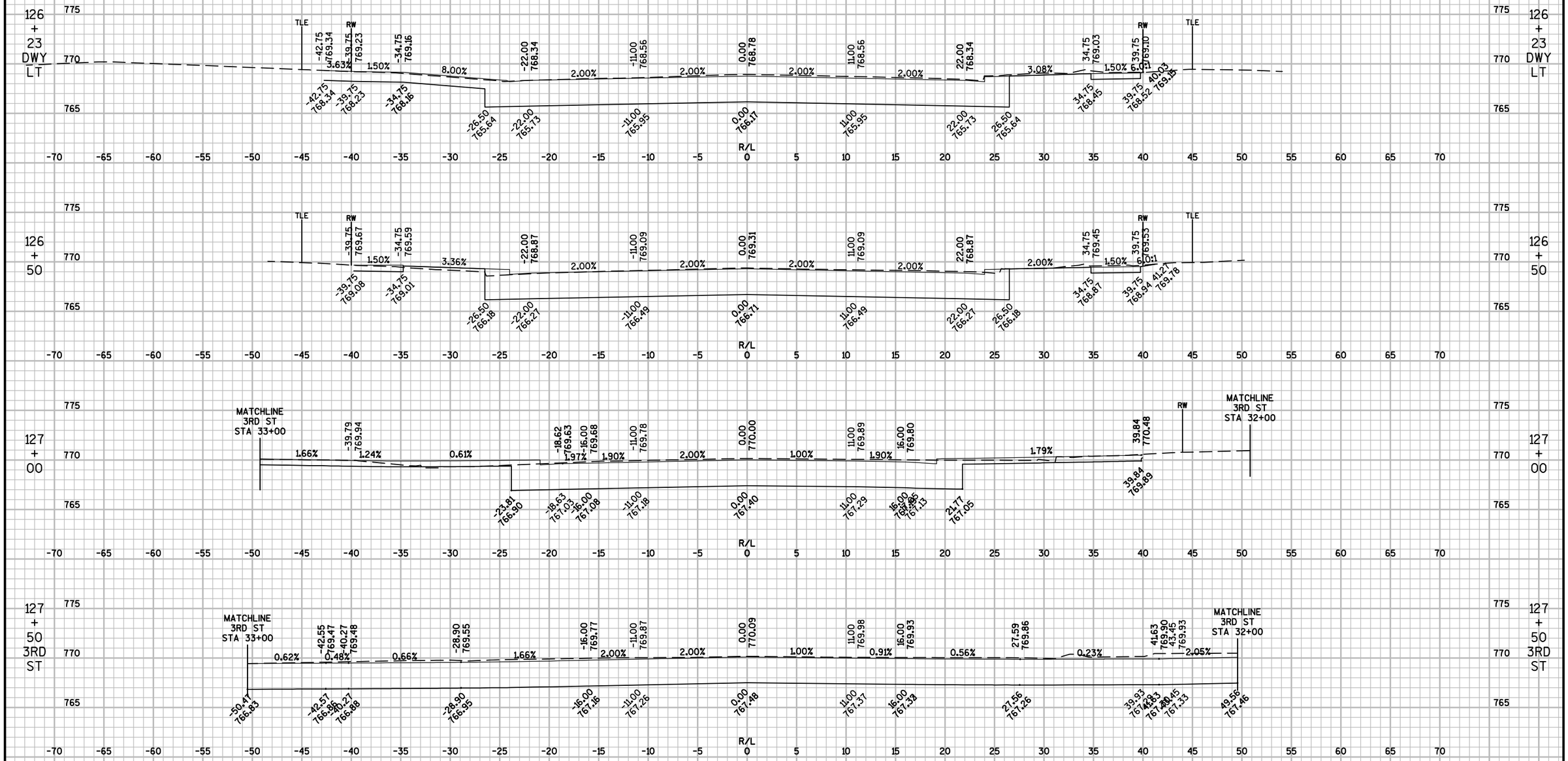
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PLOT DATE : 9/22/2017 6:33 PM PLOT BY : ANDREW WESTBROOK PLOT NAME : PLOT SCALE : 1" = 10'_XREF
WISDOT/CADDS SHEET 49



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PROJECT NO: 6190-15-71	HWY: STH 116	COUNTY: WINNEBAGO	CROSS SECTIONS: STH 116	SHEET 317	E

FILE NAME : F:\TR\JOBS\E2073A13\CIVIL 3D 2014\SHEETSPLAN\71 SHEETS\61901571-090201-XS.DWG
LAYOUT NAME - 61901571-090214-XS
PLOT DATE : 9/22/2017 6:33 PM PLOT BY : ANDREW WESTBROOK PLOT NAME : PLOT SCALE : 1" = 10'_XREF
WISDOT/CADDS SHEET 49

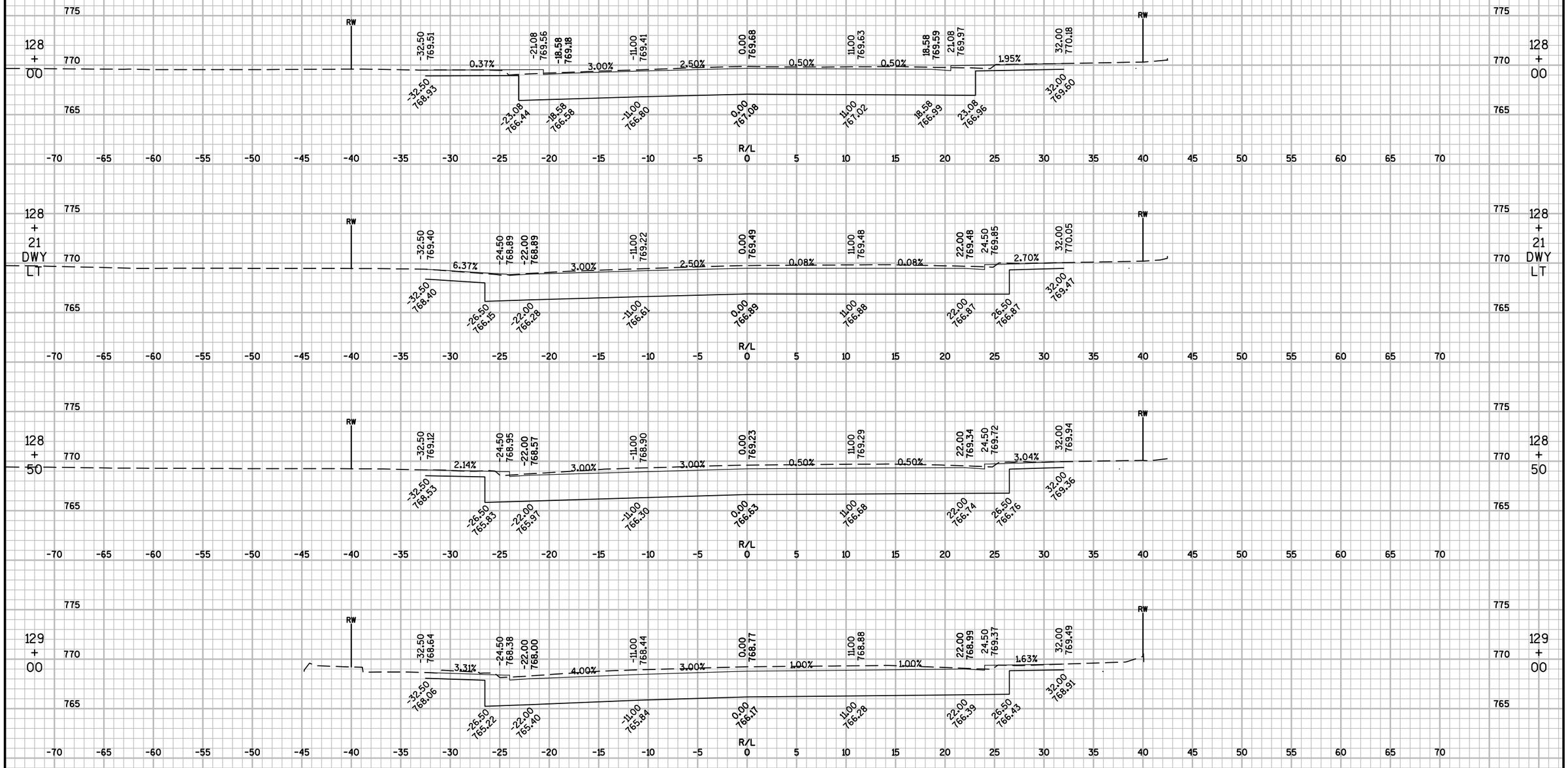


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PROJECT NO: 6190-15-71	HWY: STH 116	COUNTY: WINNEBAGO	CROSS SECTIONS: STH 116	SHEET 318	E

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LAYOUT NAME - 61901571-090215-XS

PLOT DATE : 9/22/2017 6:33 PM PLOT BY : ANDREW WESTBROOK PLOT NAME : PLOT SCALE : 1" = 10'_XREF

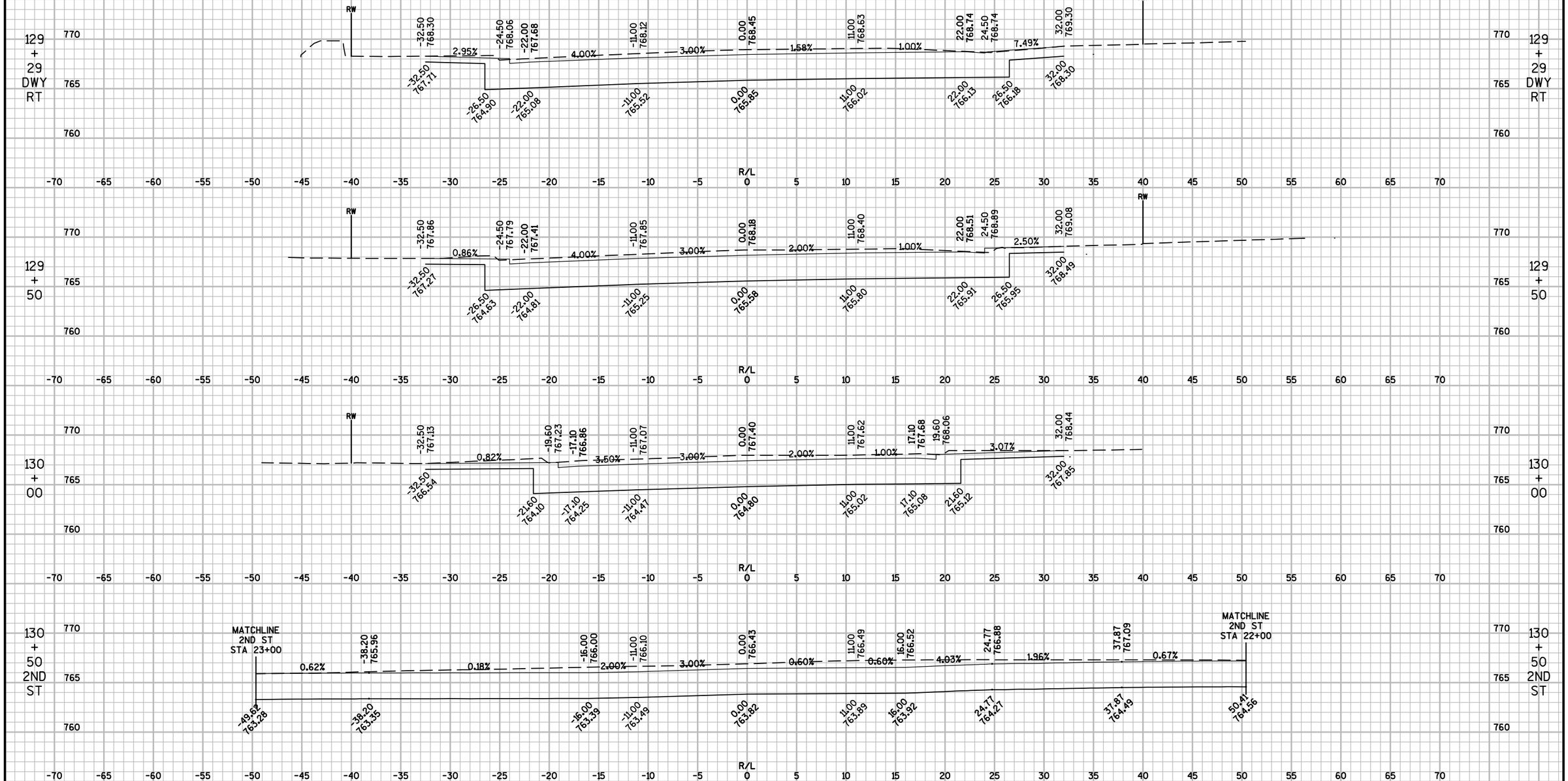


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PROJECT NO: 6190-15-71	HWY: STH 116	COUNTY: WINNEBAGO	CROSS SECTIONS: STH 116	SHEET 319	E

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WISDOT/CADDS SHEET 49

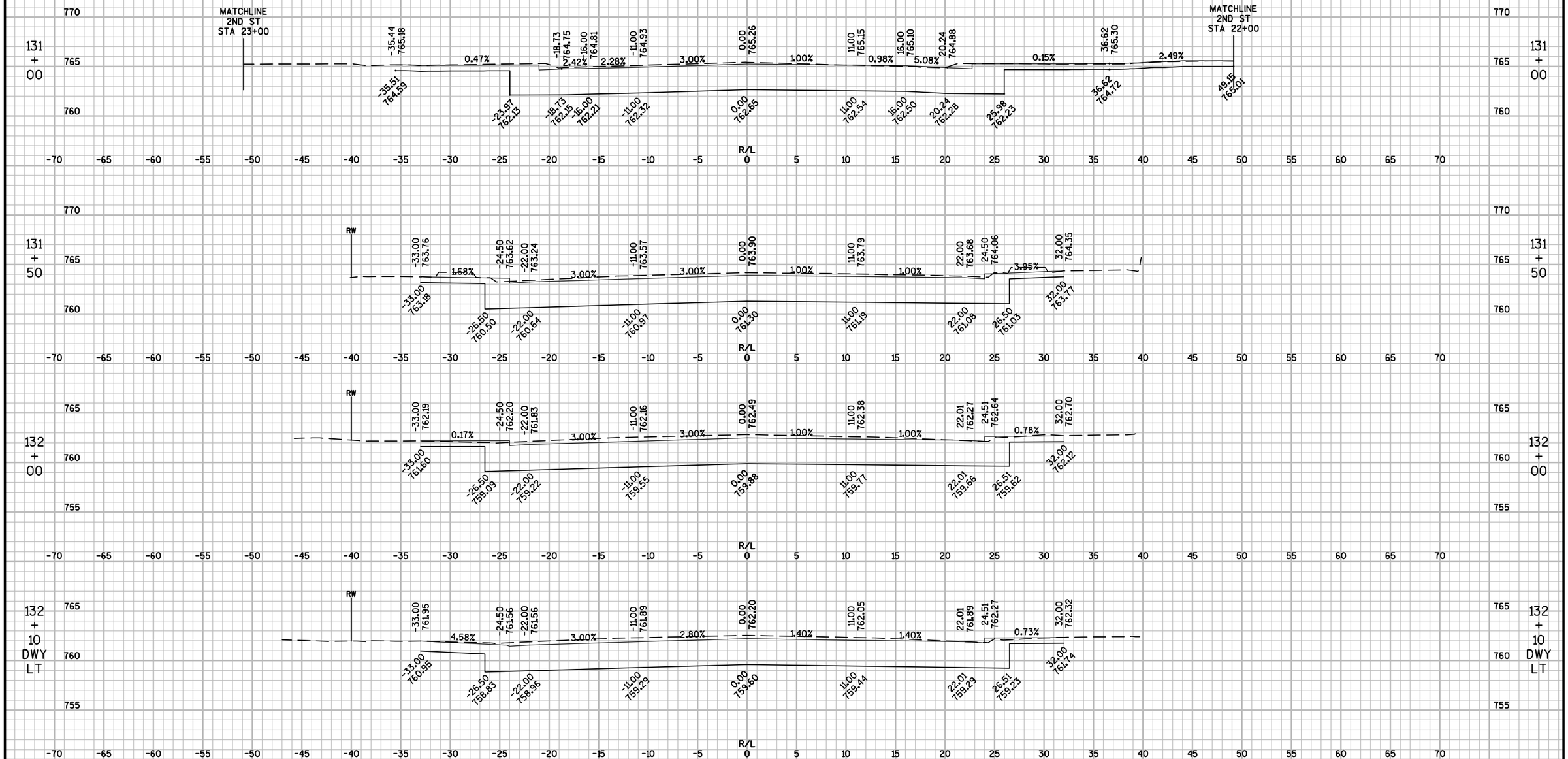


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9

PROJECT NO: 6190-15-71	HWY: STH 116	COUNTY: WINNEBAGO	CROSS SECTIONS: STH 116	SHEET 320	E

FILE NAME : F:\TR\JOBS\E2073A13\CIVIL 3D 2014\SHEETSPLAN\71 SHEETS\61901571-090201-XS.DWG
LAYOUT NAME - 61901571-090217-XS
PLOT DATE : 9/22/2017 6:34 PM PLOT BY : ANDREW WESTBROOK PLOT NAME : PLOT SCALE : 1" = 10'_XREF
WISDOT/CADDS SHEET 49

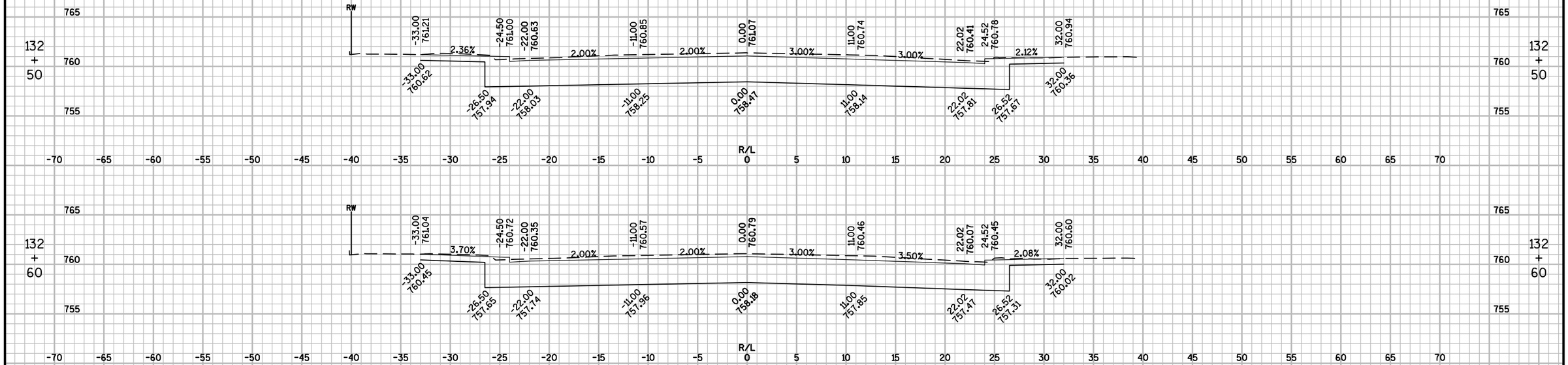


PROJECT NO: 6190-15-71	HWY: STH 116	COUNTY: WINNEBAGO	CROSS SECTIONS: STH 116	SHEET 321	E

FILE NAME : F:\TR\JOBS\E2073A13\CIVIL 3D 2014\SHEETSPLAN\71 SHEETS\61901571-090201-XS.DWG
LAYOUT NAME - 61901571-090218-XS

PLOT DATE : 9/22/2017 6:35 PM PLOT BY : ANDREW WESTBROOK PLOT NAME : PLOT SCALE : 1" = 10'_XREF

WISDOT/CADDS SHEET 49

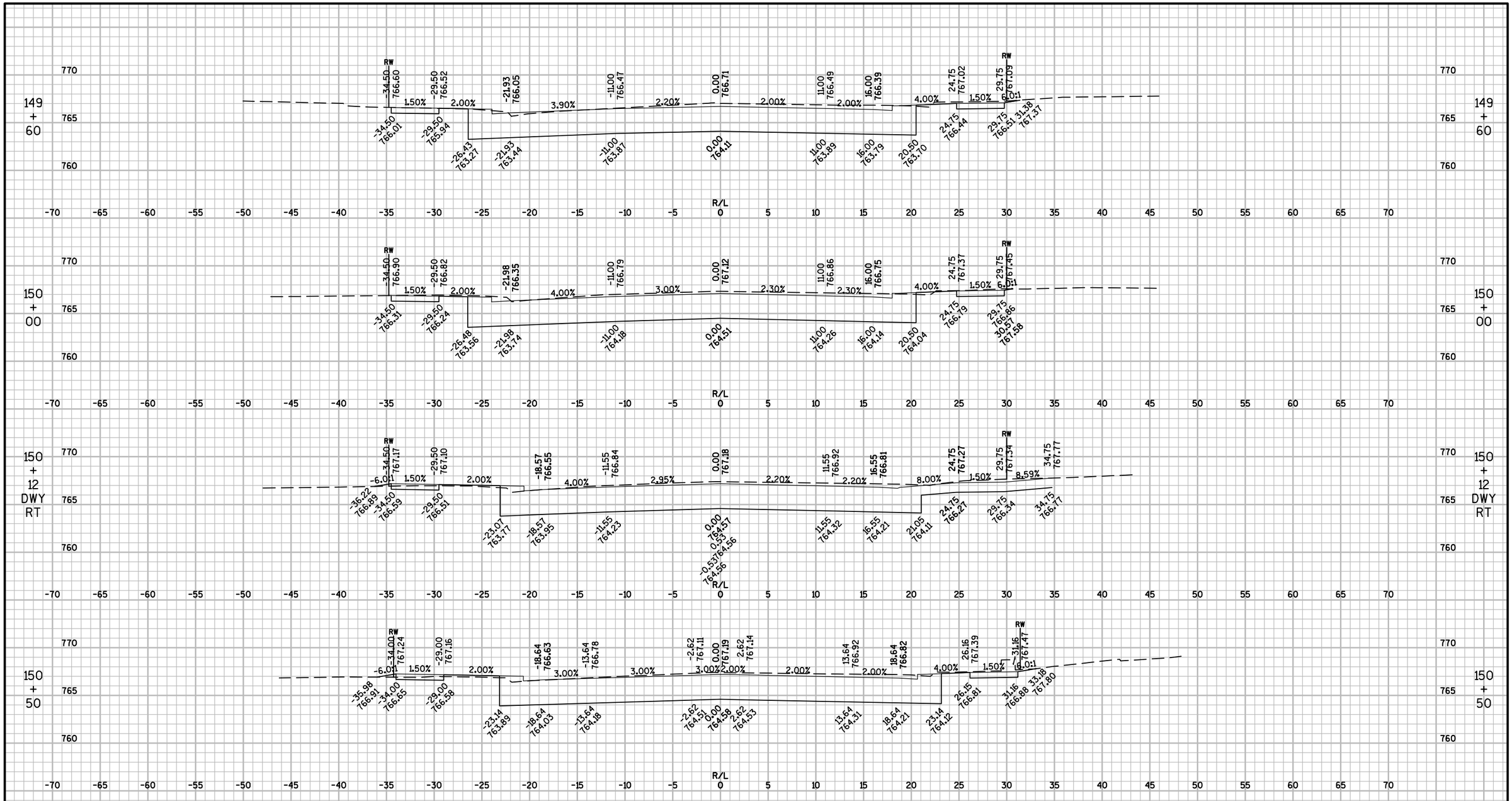


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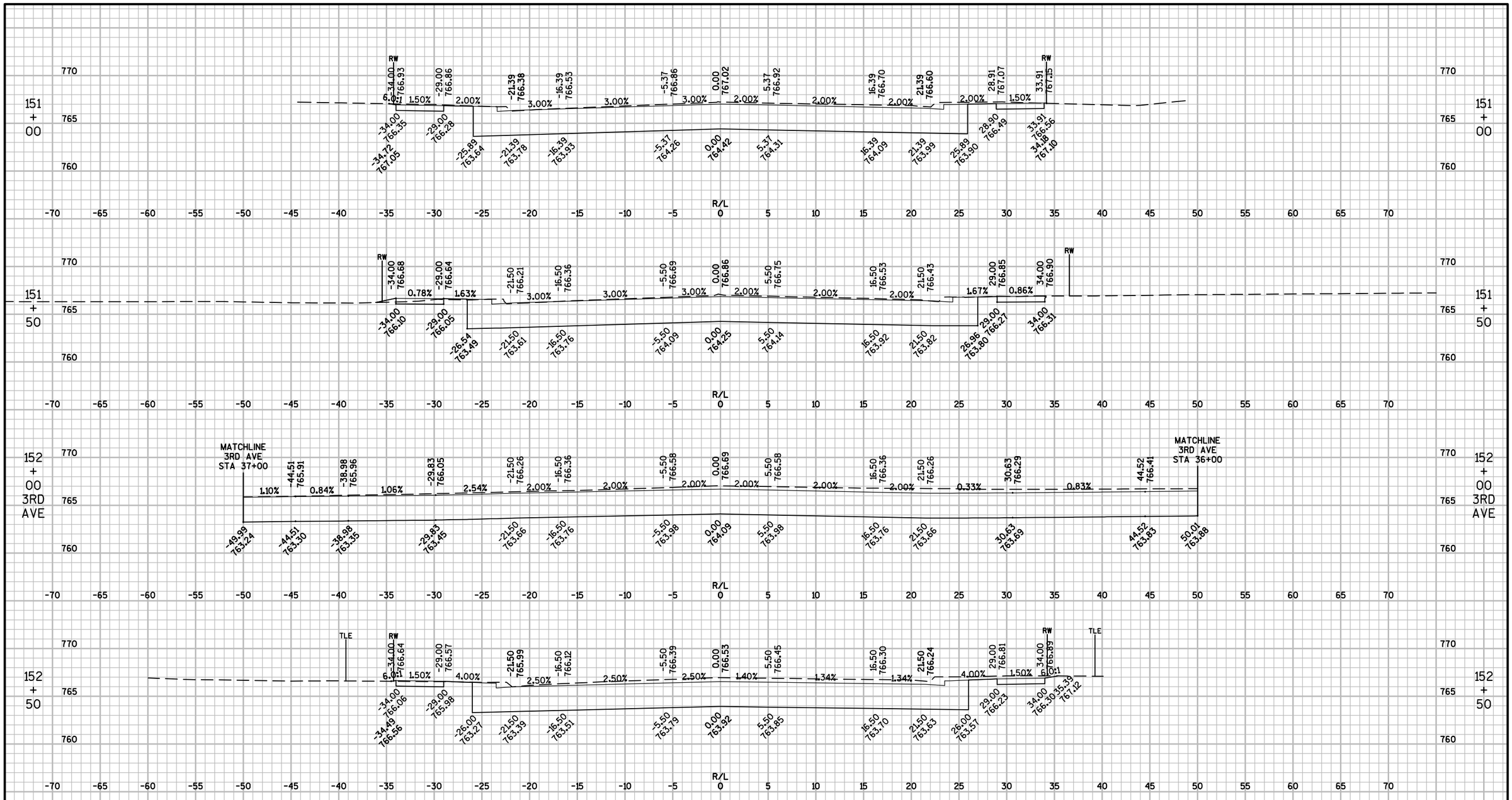
PROJECT NO: 6190-15-71	HWY: STH 116	COUNTY: WINNEBAGO	CROSS SECTIONS: STH 116	SHEET 322	E

FILE NAME : F:\TR\JOBS\E2073A13\CIVIL 3D 2014\SHEETSPLAN\71 SHEETS\61901571-090201-XS.DWG
LAYOUT NAME - 61901571-090219-XS
PLOT DATE : 9/22/2017 6:35 PM PLOT BY : ANDREW WESTBROOK PLOT NAME : PLOT SCALE : 1" = 10'_XREF
WISDOT/CADDS SHEET 49



PROJECT NO: 6190-15-71	HWY: STH 116	COUNTY: WINNEBAGO	CROSS SECTIONS: STH 116	SHEET 323	E

FILE NAME : F:\TR\JOBS\E2073A13\CIVIL 3D 2014\SHEETSPLAN\71 SHEETS\61901571-090201-XS.DWG
LAYOUT NAME - 61901571-090230-XS
PLOT DATE : 9/22/2017 6:35 PM PLOT BY : ANDREW WESTBROOK PLOT NAME : PLOT SCALE : 1" = 10'_XREF
WISDOT/CADDS SHEET 49



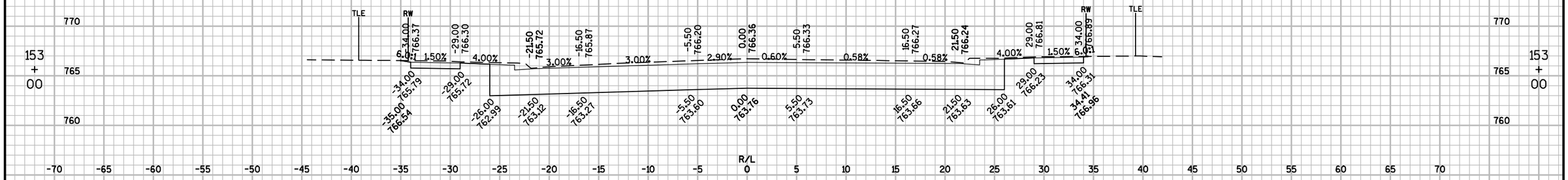
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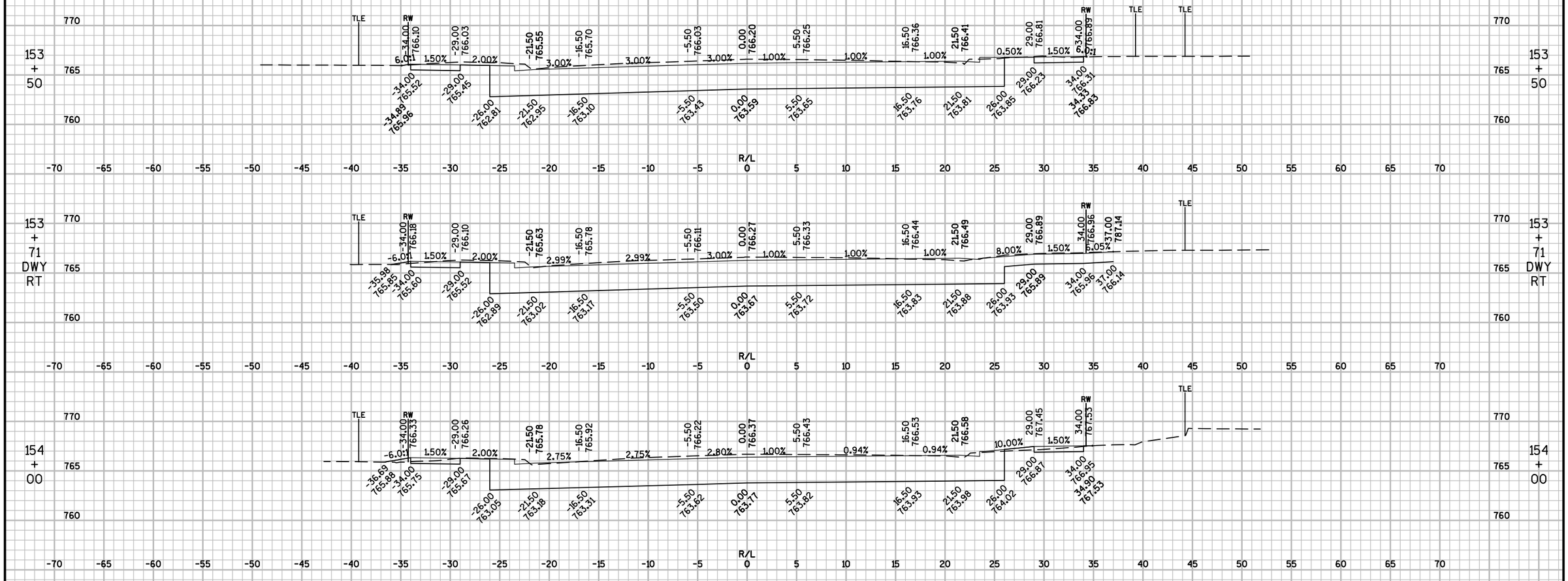
PROJECT NO: 6190-15-71	HWY: STH 116	COUNTY: WINNEBAGO	CROSS SECTIONS: STH 116	SHEET 324	E

FILE NAME : F:\TR\JOBS\E2073A13\CIVIL 3D 2014\SHEETSPLAN\71 SHEETS\61901571-090201-XS.DWG
LAYOUT NAME - 61901571-090231-XS

PLOT DATE : 9/22/2017 6:36 PM PLOT BY : ANDREW WESTBROOK PLOT NAME : PLOT SCALE : 1" = 10'_XREF

WISDOT/CADDS SHEET 49



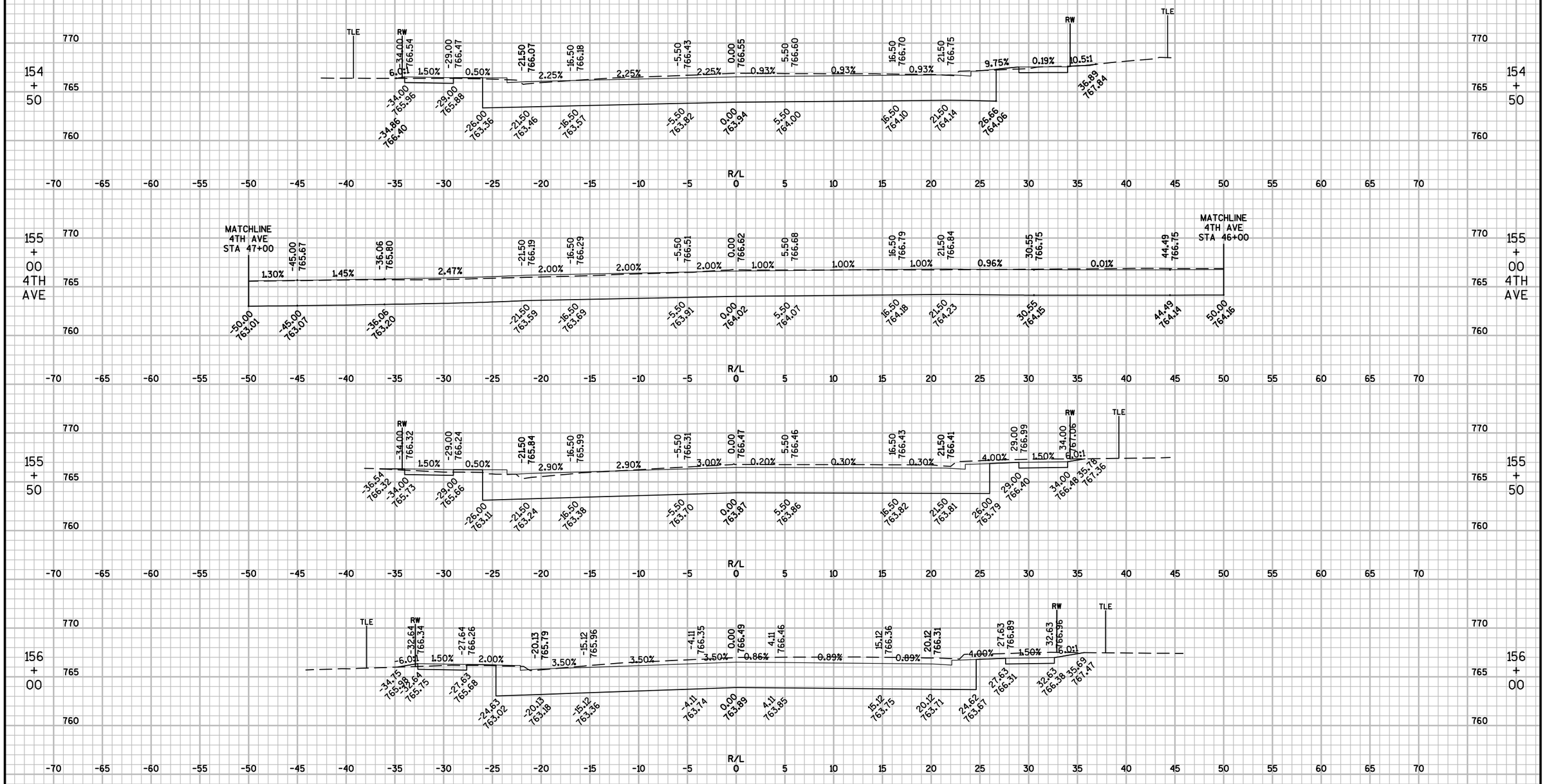


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PROJECT NO: 6190-15-71	HWY: STH 116	COUNTY: WINNEBAGO	CROSS SECTIONS: STH 116	SHEET 325	E

FILE NAME : F:\TR\JOBS\E2073A13\CIVIL 3D 2014\SHEETSPLAN\71 SHEETS\61901571-090201-XS.DWG
LAYOUT NAME - 61901571-090232-XS
PLOT DATE : 9/22/2017 6:36 PM PLOT BY : ANDREW WESTBROOK PLOT NAME : PLOT SCALE : 1" = 10'_XREF
WISDOT/CADDS SHEET 49



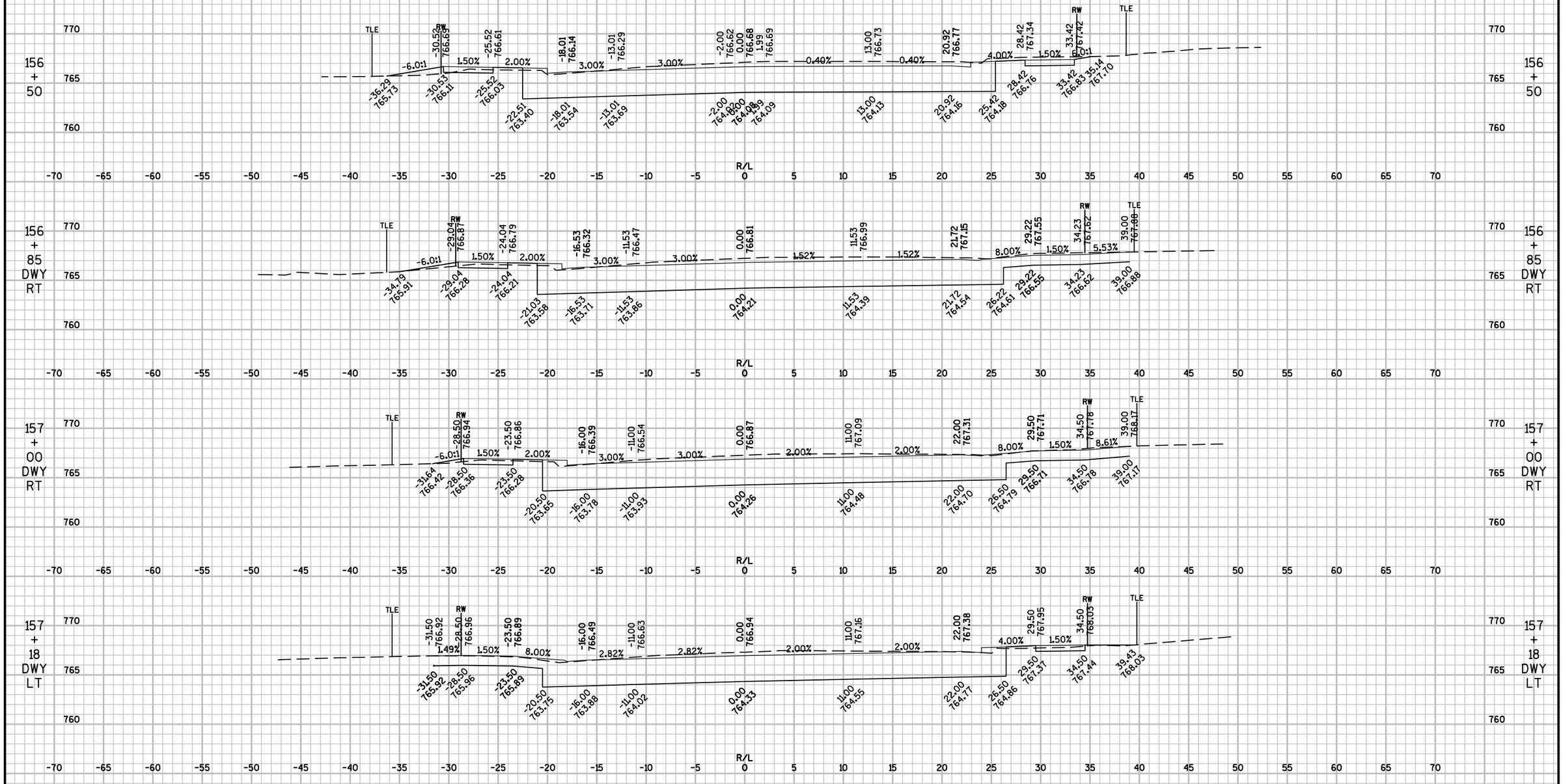
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PROJECT NO: 6190-15-71	HWY: STH 116	COUNTY: WINNEBAGO	CROSS SECTIONS: STH 116	SHEET 326	E

FILE NAME : F:\TR\JOBS\E2073A13\CIVIL 3D 2014\SHEETSPLAN\71 SHEETS\61901571-090201-XS.DWG
LAYOUT NAME - 61901571-090233-XS

PLOT DATE : 9/22/2017 6:37 PM PLOT BY : ANDREW WESTBROOK PLOT NAME : PLOT SCALE : 1" = 10'_XREF

WISDOT/CADDS SHEET 49



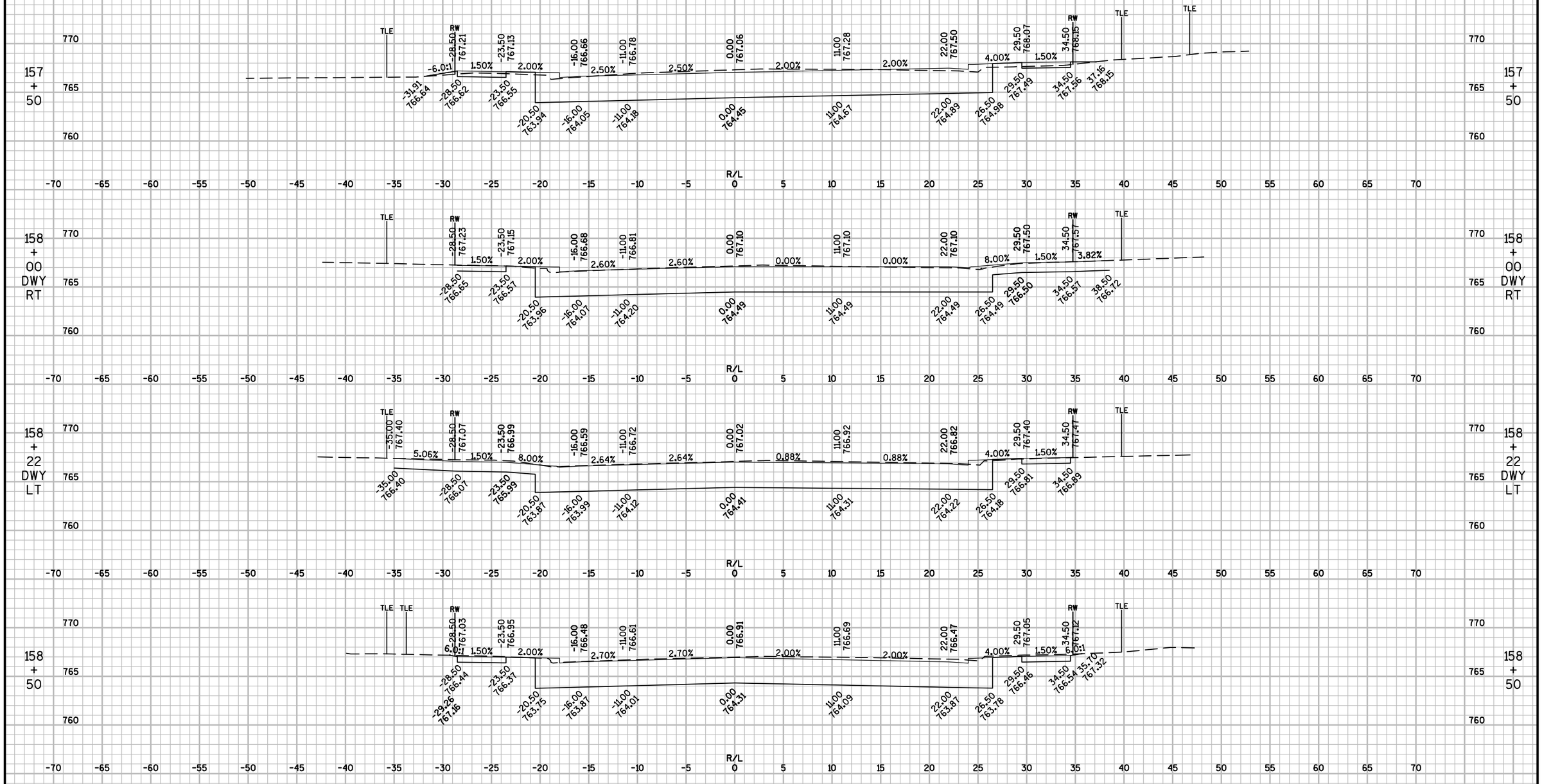
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PROJECT NO: 6190-15-71	HWY: STH 116	COUNTY: WINNEBAGO	CROSS SECTIONS: STH 116	SHEET 327	E

FILE NAME : F:\TR\JOBS\E2073A13\CIVIL 3D 2014\SHEETSPLAN\71 SHEETS\61901571-090201-XS.DWG
LAYOUT NAME - 61901571-090234-XS

PLOT DATE : 9/22/2017 6:37 PM PLOT BY : ANDREW WESTBROOK PLOT NAME : PLOT SCALE : 1" = 10'_XREF

WISDOT/CADDS SHEET 49



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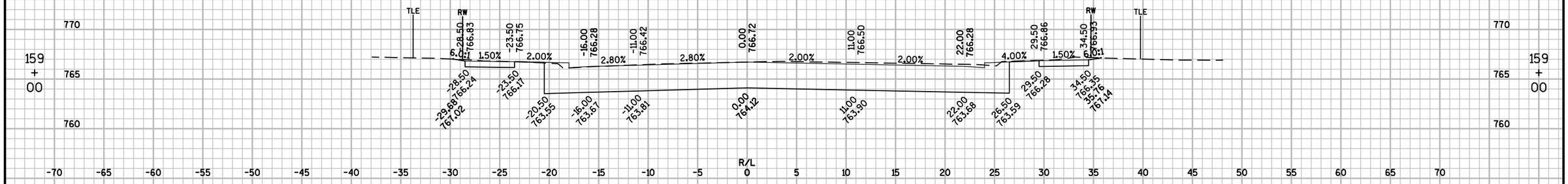
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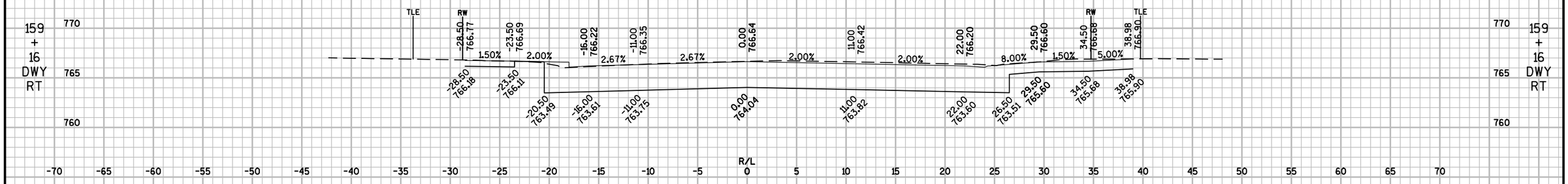
PROJECT NO: 6190-15-71	HWY: STH 116	COUNTY: WINNEBAGO	CROSS SECTIONS: STH 116	SHEET 328	E

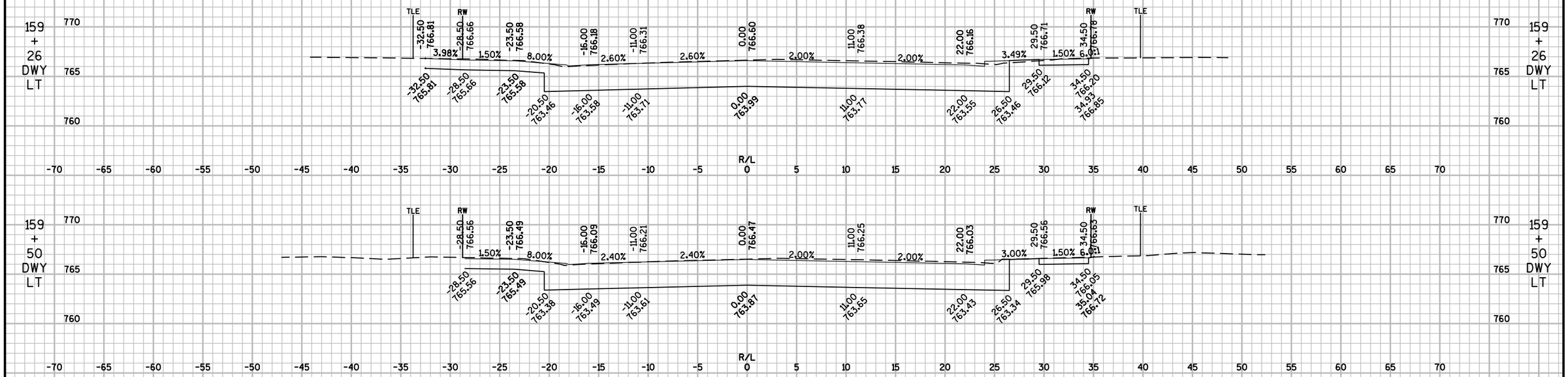
FILE NAME : F:\TR\JOBS\E2073A13\CIVIL 3D 2014\SHEETSPLAN\71 SHEETS\61901571-090201-XS.DWG
LAYOUT NAME - 61901571-090235-XS

PLOT DATE : 9/22/2017 6:37 PM PLOT BY : ANDREW WESTBROOK PLOT NAME : PLOT SCALE : 1" = 10'_XREF

WISDOT/CADDS SHEET 49





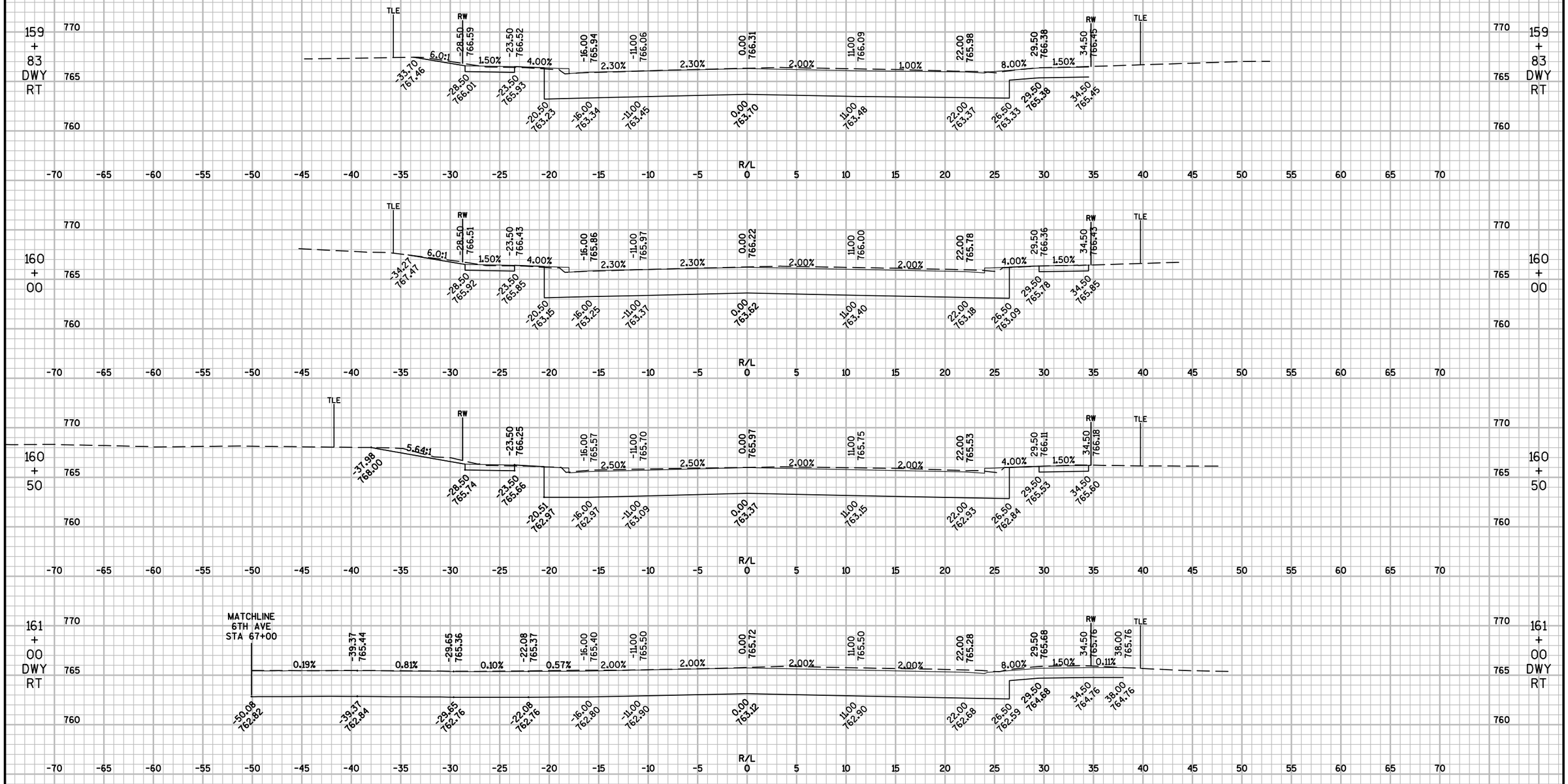


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PROJECT NO: 6190-15-71	HWY: STH 116	COUNTY: WINNEBAGO	CROSS SECTIONS: STH 116	SHEET 329	E

FILE NAME : F:\TR\JOBS\E2073A13\CIVIL 3D 2014\SHEETSPLAN\71 SHEETS\61901571-090201-XS.DWG
LAYOUT NAME - 61901571-090236-XS
PLOT DATE : 9/22/2017 6:38 PM PLOT BY : ANDREW WESTBROOK PLOT NAME : PLOT SCALE : 1" = 10'_XREF
WISDOT/CADDS SHEET 49

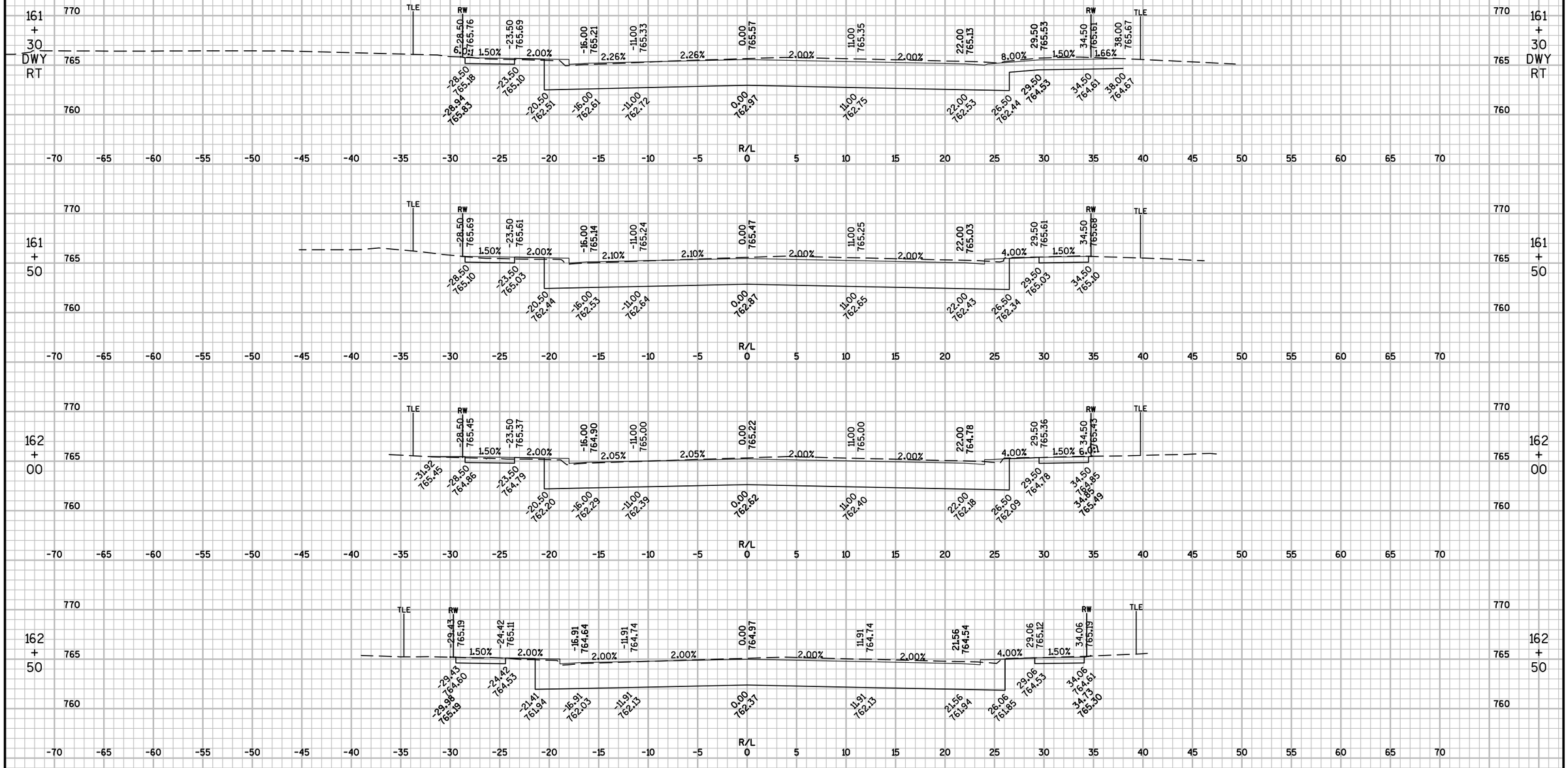


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PROJECT NO: 6190-15-71	HWY: STH 116	COUNTY: WINNEBAGO	CROSS SECTIONS: STH 116	SHEET 330	E

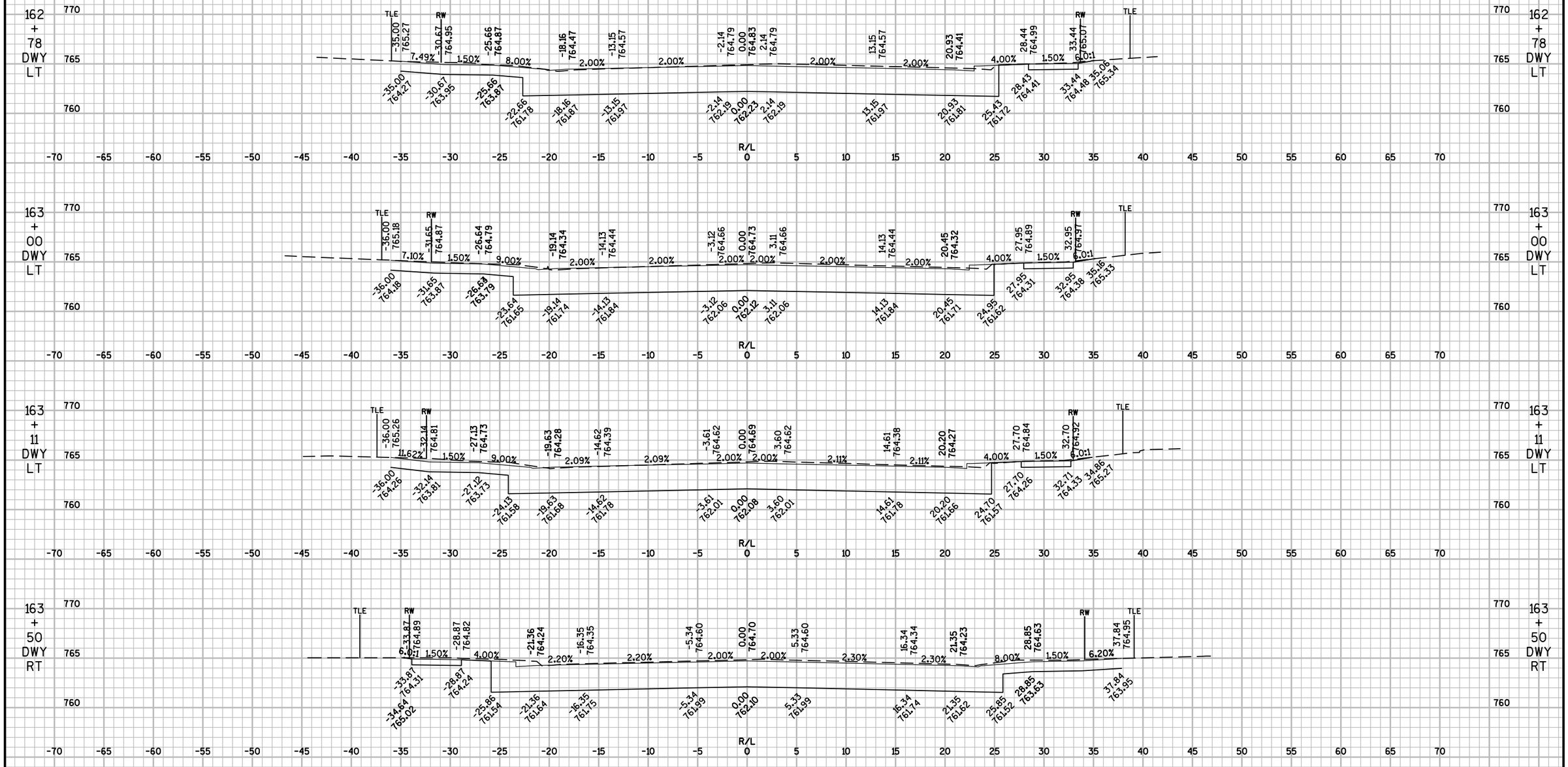
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LAYOUT NAME - 61901571-090237-XS
PLOT DATE : 9/22/2017 6:38 PM PLOT BY : ANDREW WESTBROOK PLOT NAME : PLOT SCALE : 1" = 10'_XREF
WISDOT/CADDS SHEET 49



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PROJECT NO: 6190-15-71	HWY: STH 116	COUNTY: WINNEBAGO	CROSS SECTIONS: STH 116	SHEET 331	E

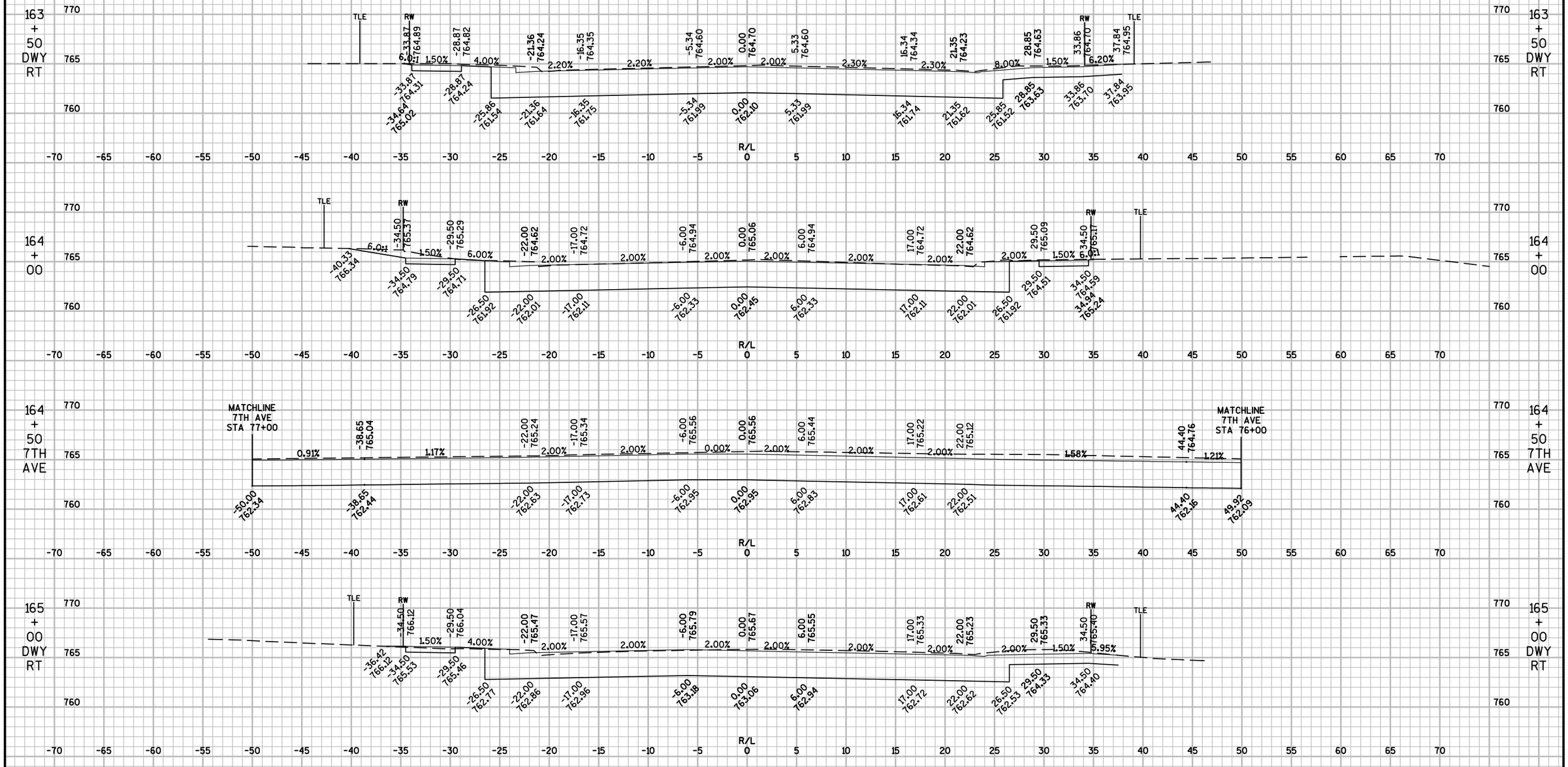


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PROJECT NO: 6190-15-71	HWY: STH 116	COUNTY: WINNEBAGO	CROSS SECTIONS: STH 116	SHEET 332	E

FILE NAME : F:\TR\JOBS\E2073A13\CIVIL 3D 2014\SHEETSPLAN\71 SHEETS\61901571-090201-XS.DWG
LAYOUT NAME - 61901571-090239-XS
PLOT DATE : 9/22/2017 6:39 PM PLOT BY : ANDREW WESTBROOK PLOT NAME : PLOT SCALE : 1" = 10'_XREF
WISDOT/CADDS SHEET 49

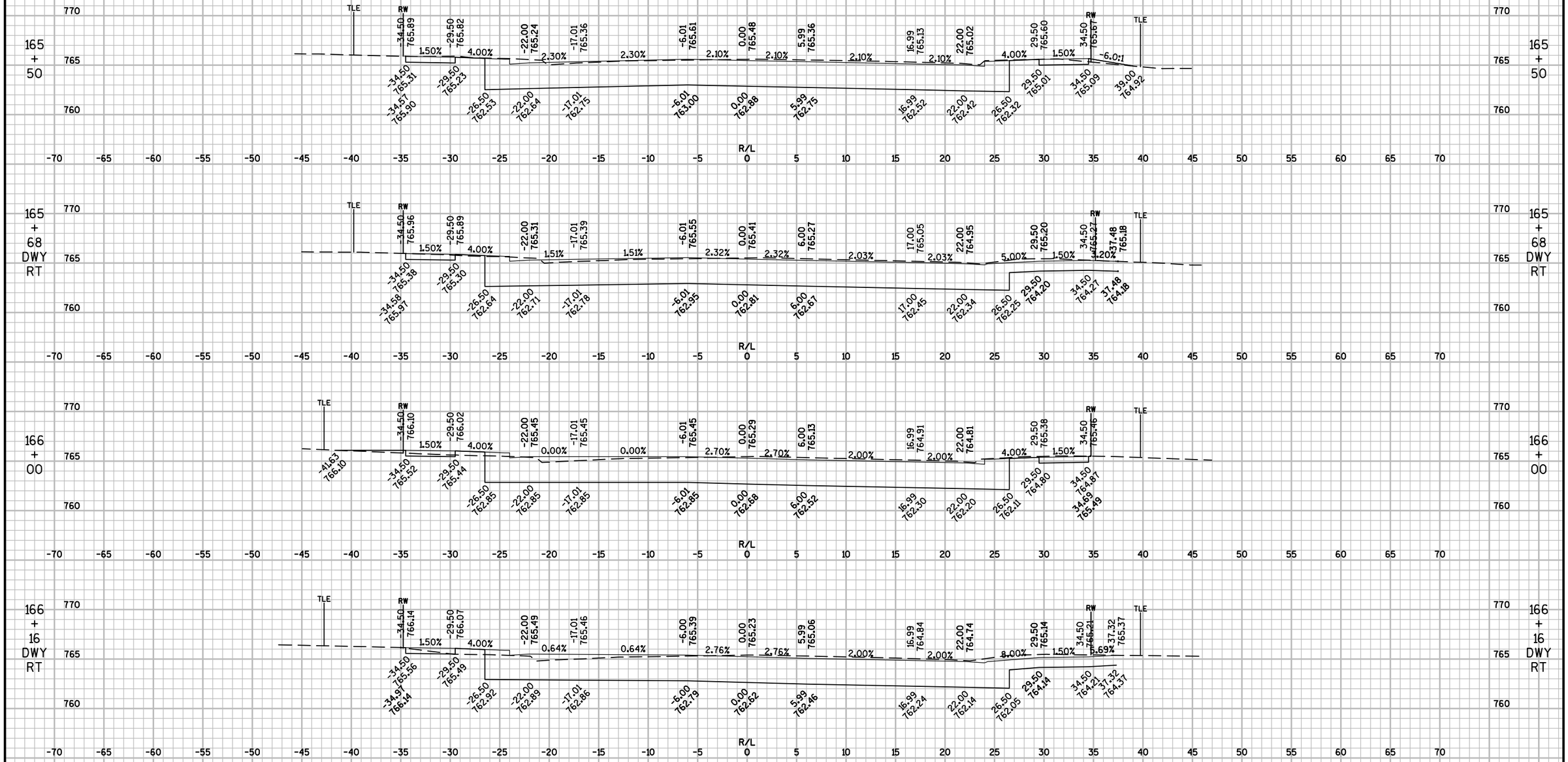


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PROJECT NO: 6190-15-71	HWY: STH 116	COUNTY: WINNEBAGO	CROSS SECTIONS: STH 116	SHEET 333	E

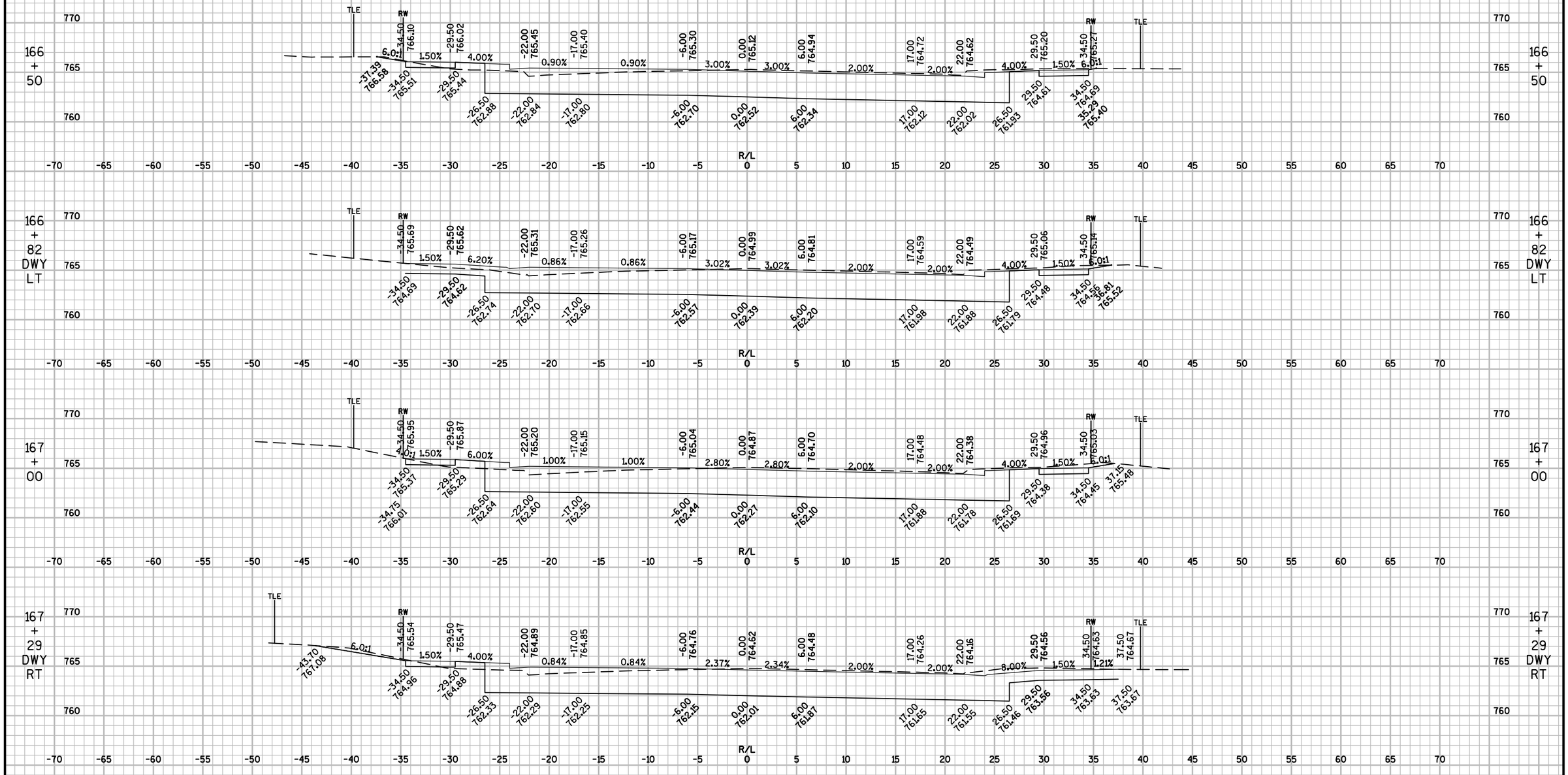
FILE NAME : F:\TR\JOBS\E2073A13\CIVIL 3D 2014\SHEETSPLAN\71 SHEETS\61901571-090201-XS.DWG
LAYOUT NAME - 61901571-090240-XS
PLOT DATE : 9/22/2017 6:39 PM PLOT BY : ANDREW WESTBROOK PLOT NAME : PLOT SCALE : 1" = 10'_XREF
WISDOT/CADDS SHEET 49



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PROJECT NO: 6190-15-71	HWY: STH 116	COUNTY: WINNEBAGO	CROSS SECTIONS: STH 116	SHEET 334	E

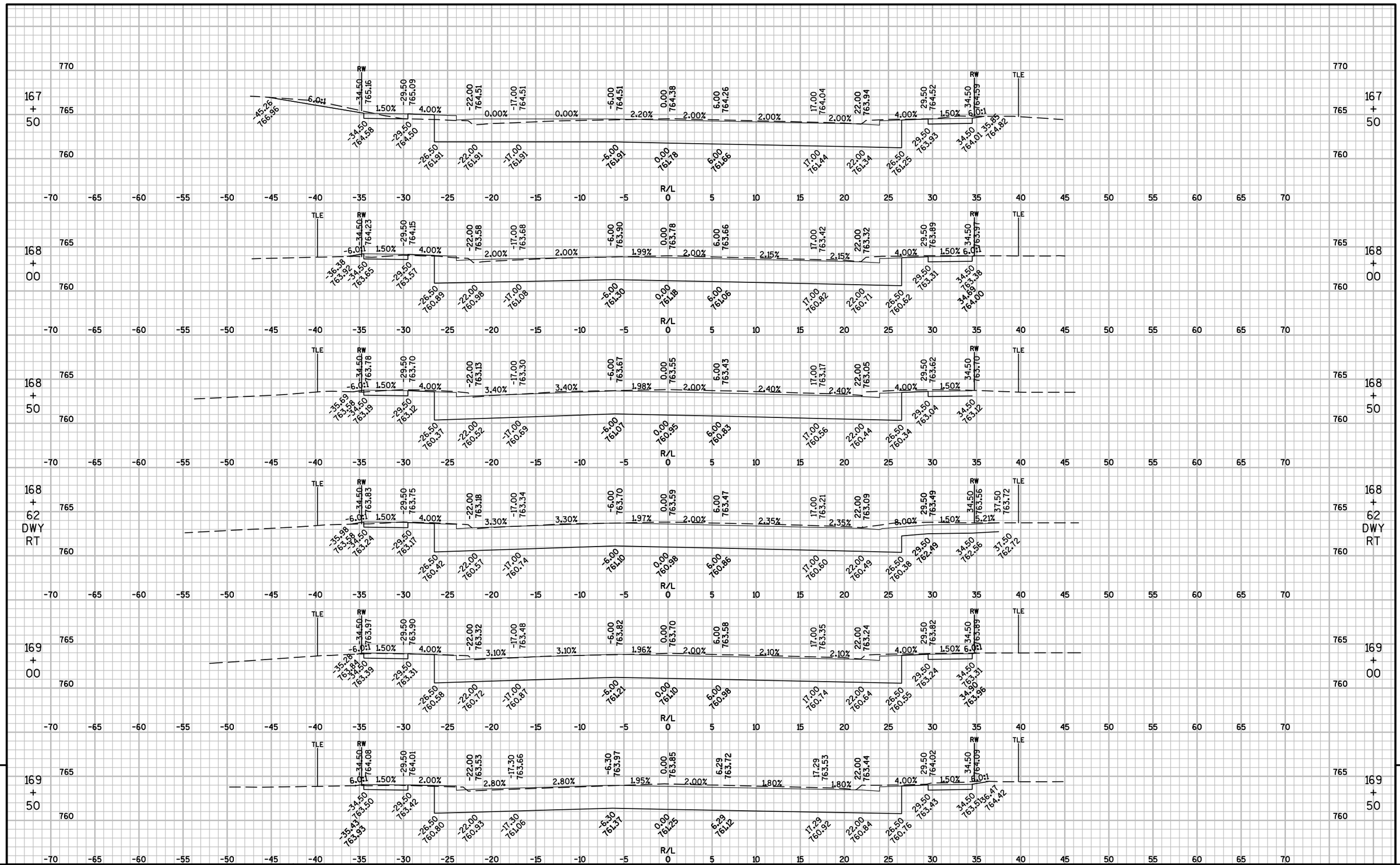


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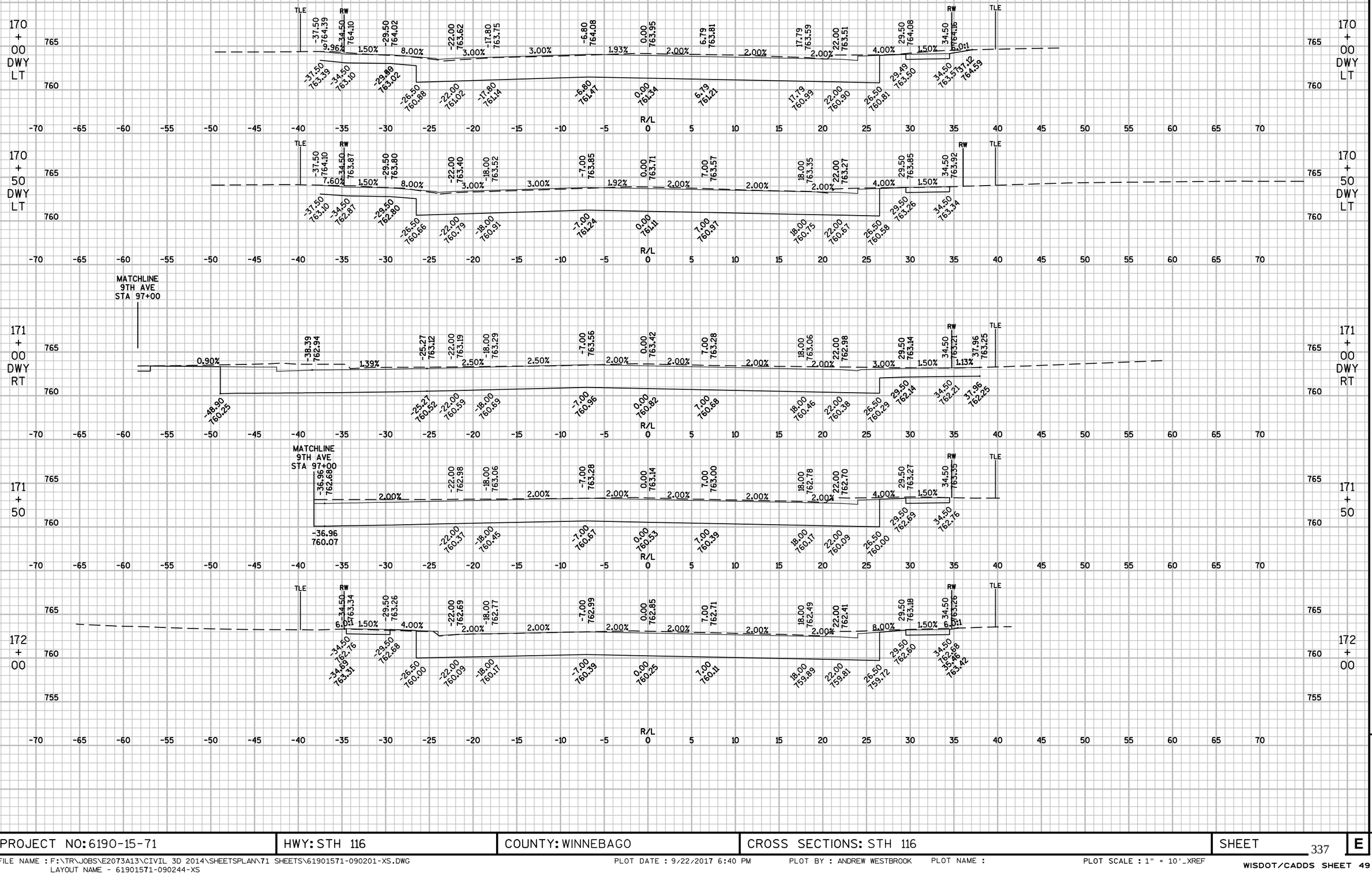
PROJECT NO: 6190-15-71	HWY: STH 116	COUNTY: WINNEBAGO	CROSS SECTIONS: STH 116	SHEET 335	E

FILE NAME : F:\TR\JOBS\E2073A13\CIVIL 3D 2014\SHEETSPLAN\71 SHEETS\61901571-090201-XS.DWG
LAYOUT NAME - 61901571-090242-XS
PLOT DATE : 9/22/2017 6:40 PM PLOT BY : ANDREW WESTBROOK PLOT NAME : PLOT SCALE : 1" = 10'_XREF
WISDOT/CADDS SHEET 49



PROJECT NO: 6190-15-71	HWY: STH 116	COUNTY: WINNEBAGO	CROSS SECTIONS: STH 116	SHEET 336	E

FILE NAME : F:\TR\JOBS\E2073A13\CIVIL 3D 2014\SHEETSPLAN\71 SHEETS\61901571-090201-XS.DWG
LAYOUT NAME - 61901571-090243-XS
PLOT DATE : 9/22/2017 6:40 PM PLOT BY : ANDREW WESTBROOK PLOT NAME : PLOT SCALE : 1" = 10'_XREF
WISDOT/CADDS SHEET 49



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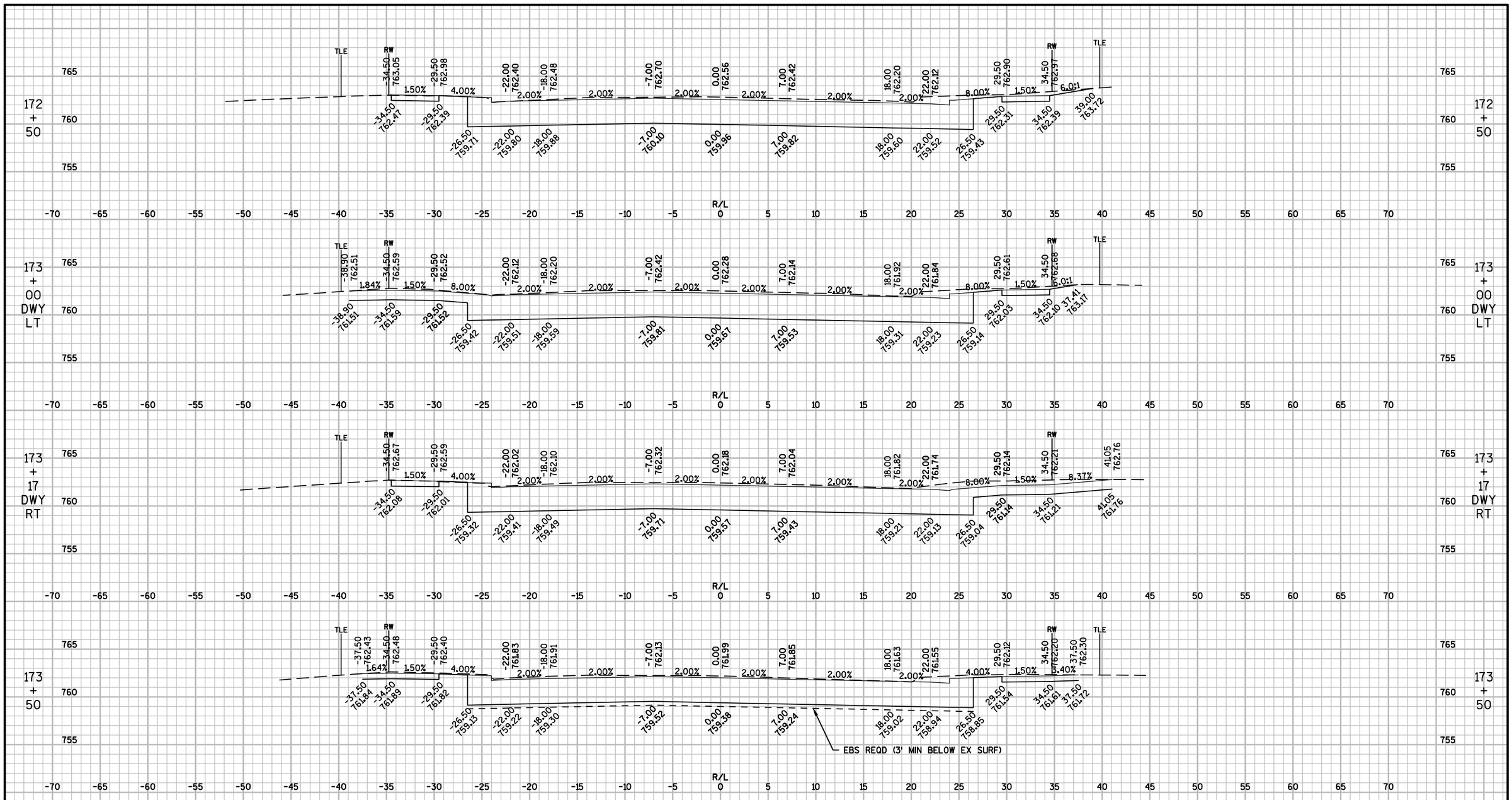
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PROJECT NO: 6190-15-71	HWY: STH 116	COUNTY: WINNEBAGO	CROSS SECTIONS: STH 116	SHEET 337	E

FILE NAME : F:\TR\JOBS\E2073A13\CIVIL 3D 2014\SHEETSPLAN\71 SHEETS\61901571-090201-XS.DWG
LAYOUT NAME - 61901571-090244-XS

PLOT DATE : 9/22/2017 6:40 PM PLOT BY : ANDREW WESTBROOK PLOT NAME : PLOT SCALE : 1" = 10'_XREF

WISDOT/CADDS SHEET 49

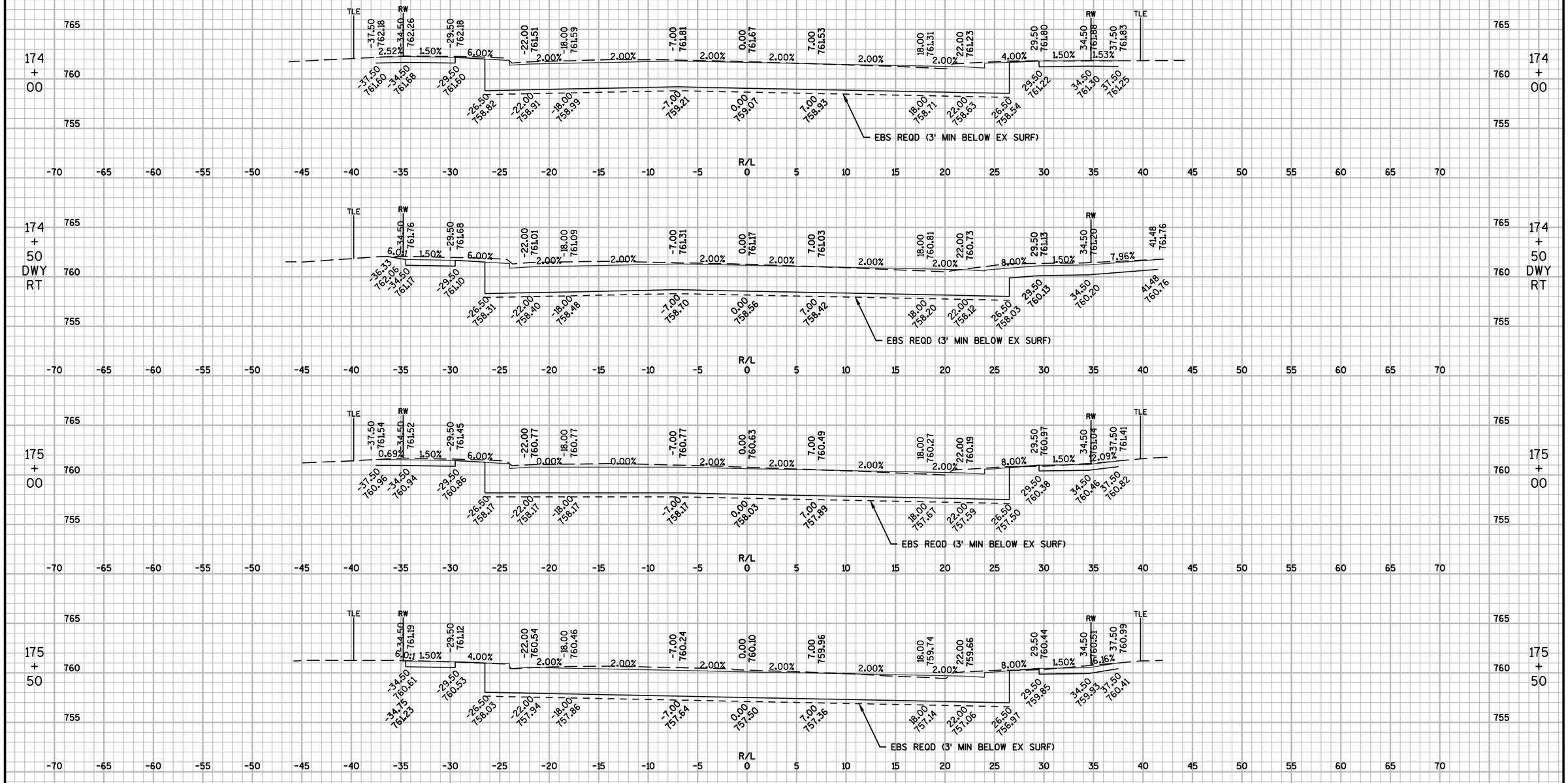


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PROJECT NO: 6190-15-71	HWY: STH 116	COUNTY: WINNEBAGO	CROSS SECTIONS: STH 116	SHEET 338	E

FILE NAME : F:\TR\JOBS\E2073A13\CIVIL 3D 2014\SHEETSPLAN\71 SHEETS\61901571-090201-XS.DWG
LAYOUT NAME - 61901571-090245-XS
PLOT DATE : 9/22/2017 6:41 PM PLOT BY : ANDREW WESTBROOK PLOT NAME : PLOT SCALE : 1" = 10'_XREF
WISDOT/CADDS SHEET 49



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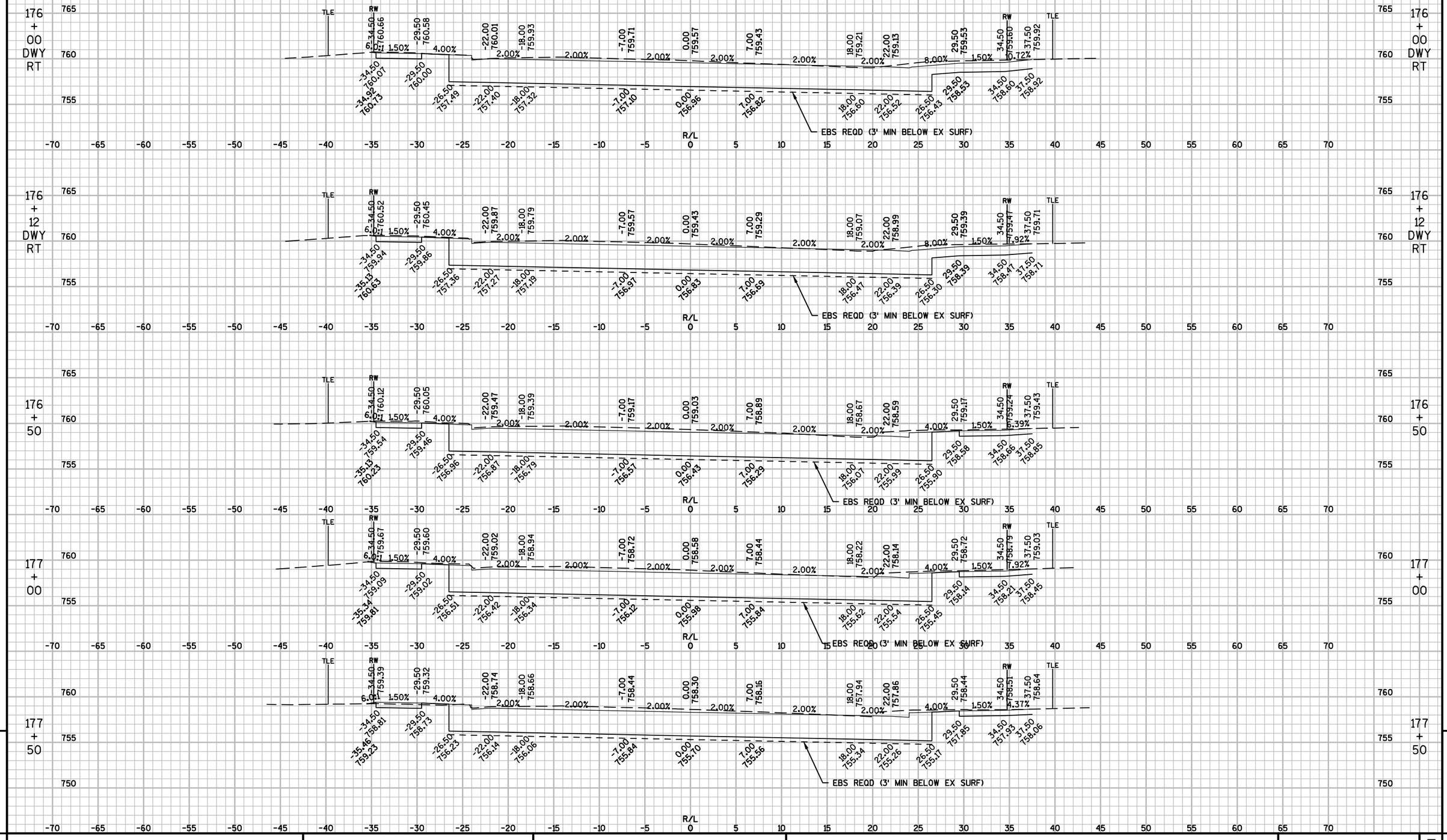
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PROJECT NO: 6190-15-71	HWY: STH 116	COUNTY: WINNEBAGO	CROSS SECTIONS: STH 116	SHEET 339	E

FILE NAME : F:\TR\JOBS\E2073A13\CIVIL 3D 2014\SHEETSPLAN\71 SHEETS\61901571-090201-XS.DWG
LAYOUT NAME - 61901571-090246-XS

PLOT DATE : 9/22/2017 6:41 PM PLOT BY : ANDREW WESTBROOK PLOT NAME : PLOT SCALE : 1" = 10'_XREF

WISDOT/CADDS SHEET 49

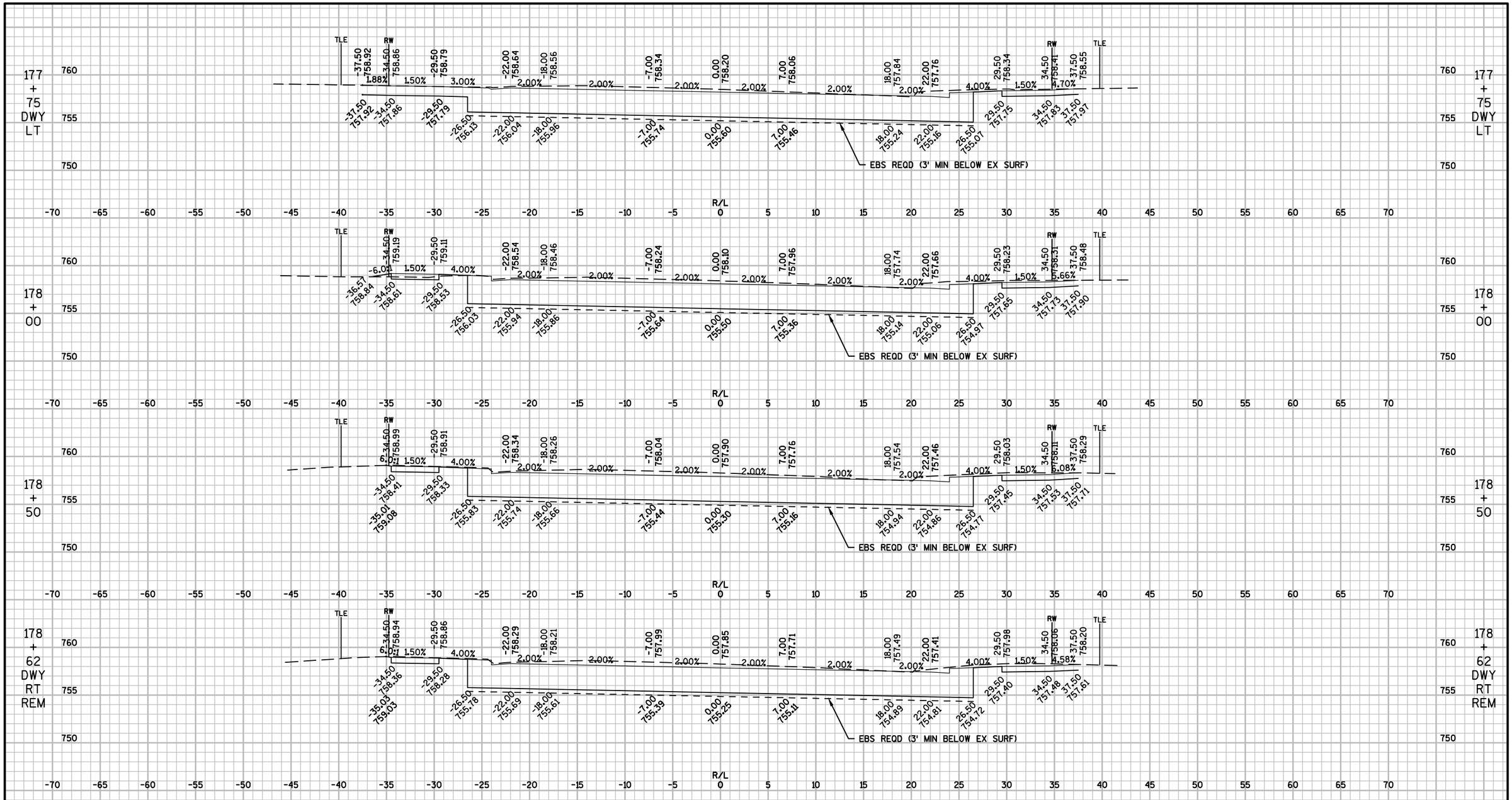


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PROJECT NO: 6190-15-71	HWY: STH 116	COUNTY: WINNEBAGO	CROSS SECTIONS: STH 116	SHEET 340	E

FILE NAME : F:\TR\JOBS\E2073A13\CIVIL 3D 2014\SHEETSPLAN\71 SHEETS\61901571-090201-XS.DWG
LAYOUT NAME - 61901571-090247-XS
PLOT DATE : 9/22/2017 6:42 PM PLOT BY : ANDREW WESTBROOK PLOT NAME : PLOT SCALE : 1" = 10'_XREF
WISDOT/CADDS SHEET 49

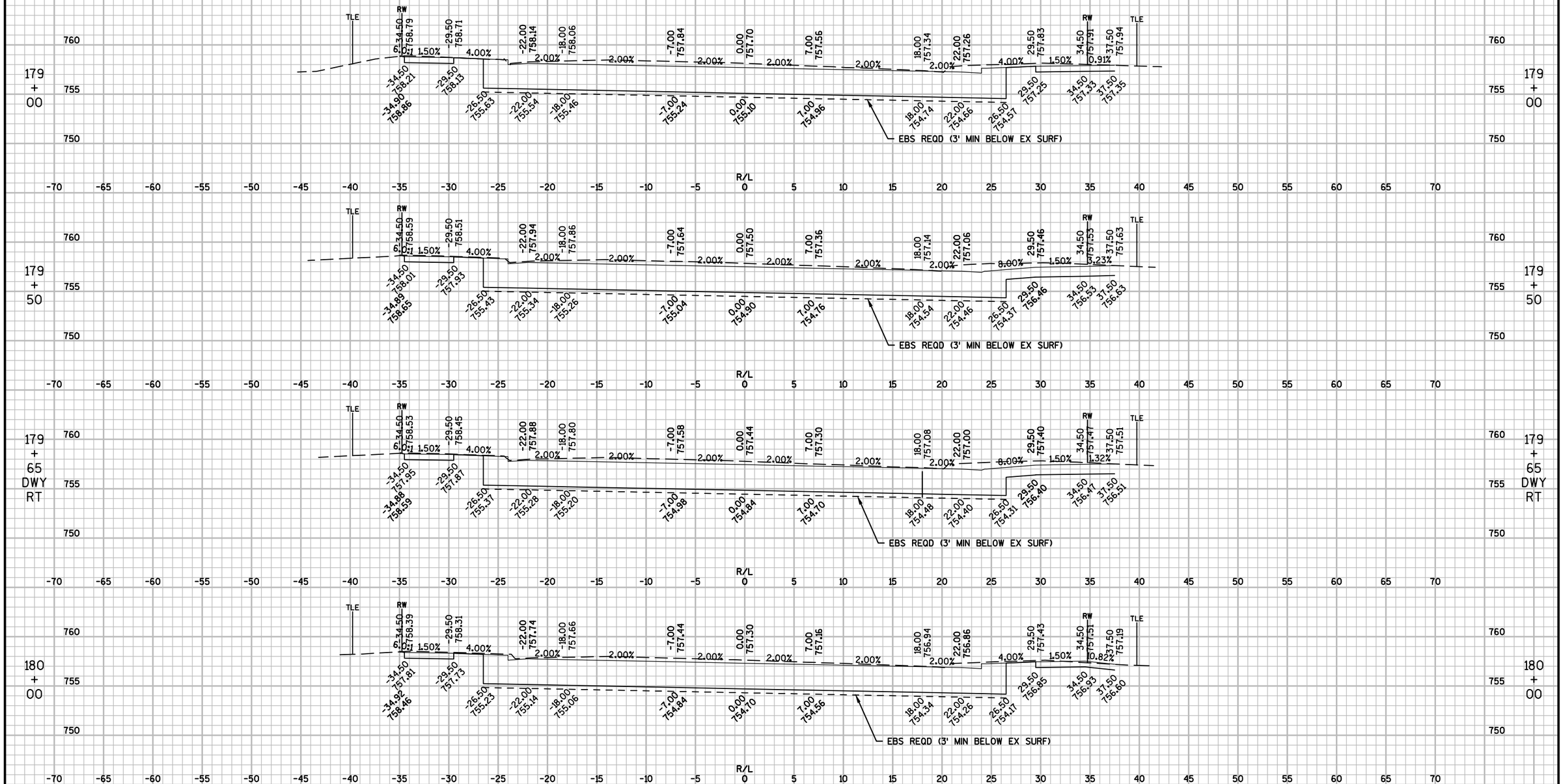


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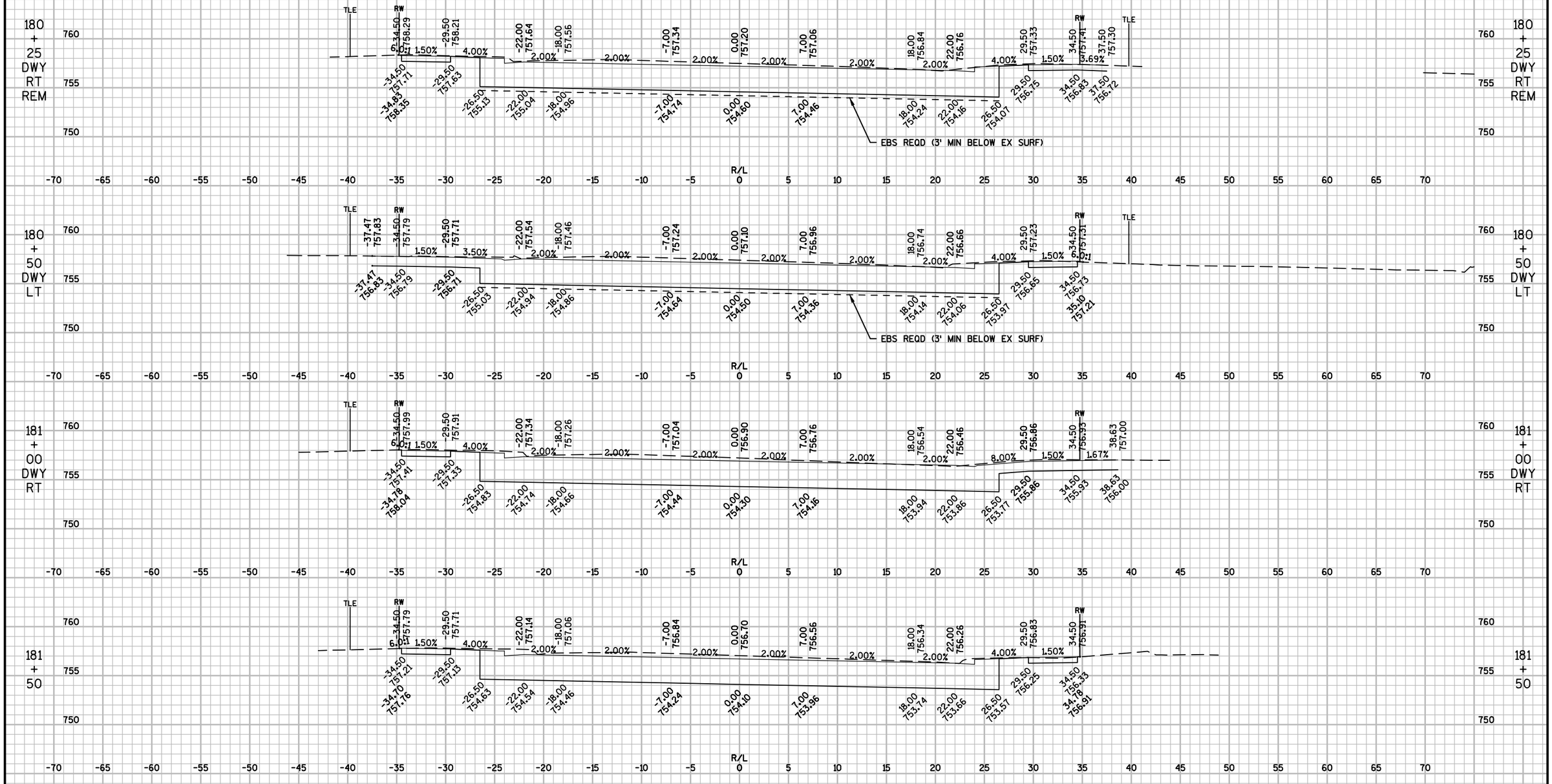
PROJECT NO: 6190-15-71	HWY: STH 116	COUNTY: WINNEBAGO	CROSS SECTIONS: STH 116	SHEET 341	E

FILE NAME : F:\TR\JOBS\E2073A13\CIVIL 3D 2014\SHEETSPLAN\71 SHEETS\61901571-090201-XS.DWG
LAYOUT NAME - 61901571-090248-XS
PLOT DATE : 9/22/2017 6:42 PM PLOT BY : ANDREW WESTBROOK PLOT NAME : PLOT SCALE : 1" = 10'_XREF
WISDOT/CADDS SHEET 49



PROJECT NO: 6190-15-71	HWY: STH 116	COUNTY: WINNEBAGO	CROSS SECTIONS: STH 116	SHEET 342	E

FILE NAME : F:\TR\JOBS\E2073A13\CIVIL 3D 2014\SHEETSPLAN\71 SHEETS\61901571-090201-XS.DWG
LAYOUT NAME - 61901571-090249-XS
PLOT DATE : 9/22/2017 6:42 PM PLOT BY : ANDREW WESTBROOK PLOT NAME : PLOT SCALE : 1" = 10'_XREF
WISDOT/CADDS SHEET 49

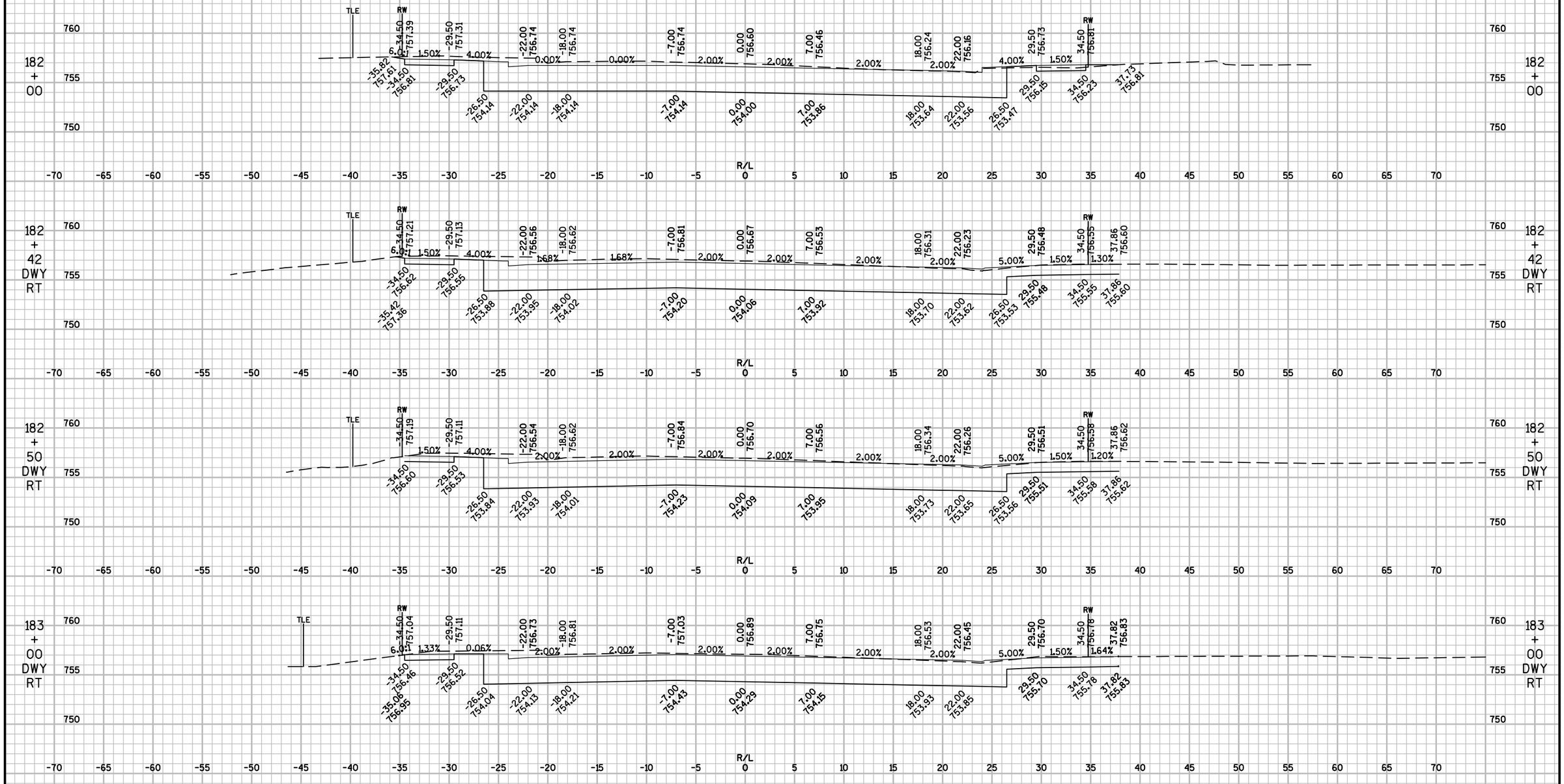


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PROJECT NO: 6190-15-71	HWY: STH 116	COUNTY: WINNEBAGO	CROSS SECTIONS: STH 116	SHEET 343	E

FILE NAME : F:\TR\JOBS\E2073A13\CIVIL 3D 2014\SHEETSPLAN\71 SHEETS\61901571-090201-XS.DWG
LAYOUT NAME - 61901571-090250-XS
PLOT DATE : 9/22/2017 6:43 PM PLOT BY : ANDREW WESTBROOK PLOT NAME : PLOT SCALE : 1" = 10'_XREF
WISDOT/CADDS SHEET 49



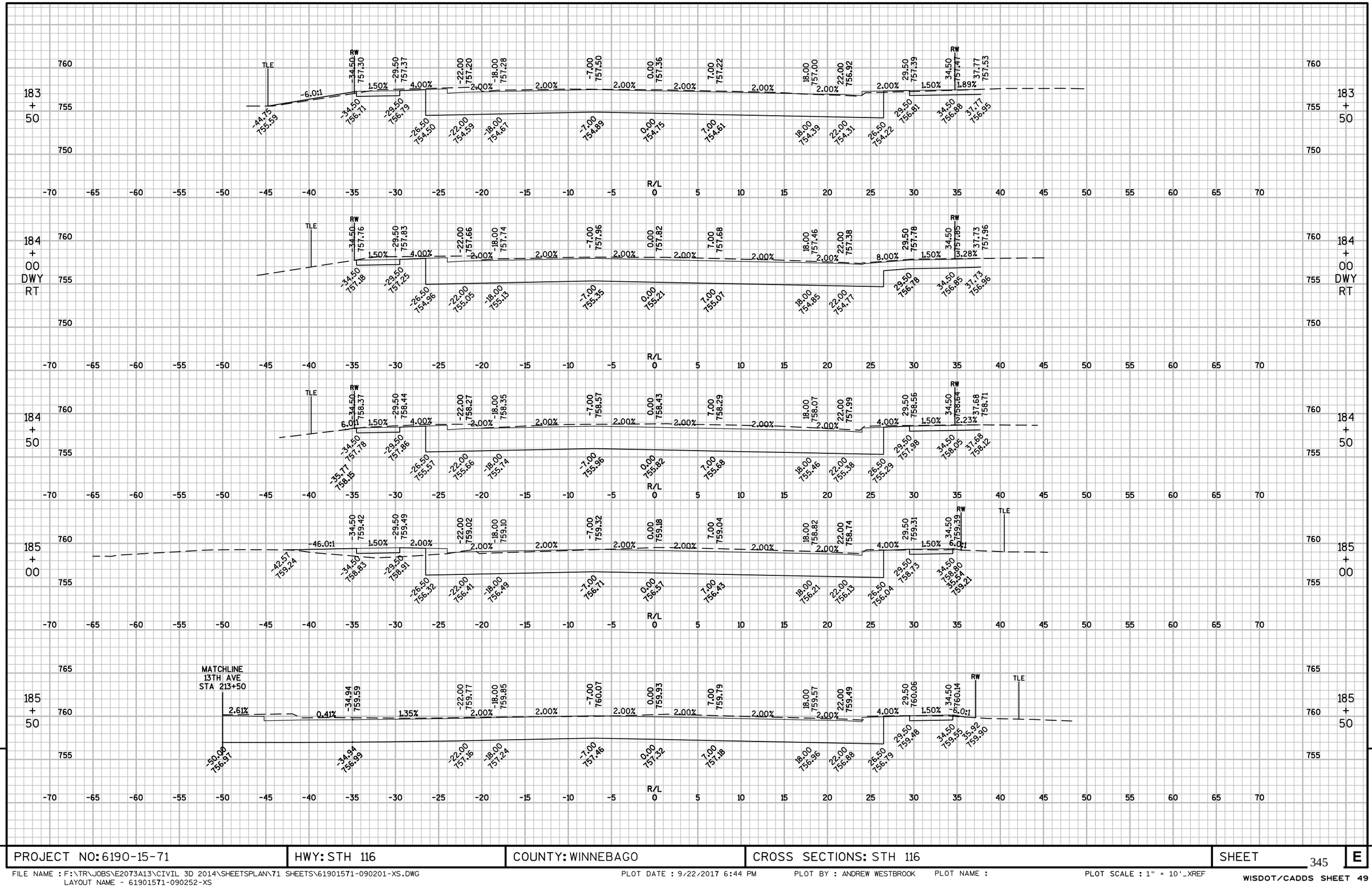
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PROJECT NO: 6190-15-71	HWY: STH 116	COUNTY: WINNEBAGO	CROSS SECTIONS: STH 116	SHEET 344	E

FILE NAME : F:\TR\JOBS\E2073A13\CIVIL 3D 2014\SHEETSPLAN\71 SHEETS\61901571-090201-XS.DWG
LAYOUT NAME - 61901571-090251-XS

PLOT DATE : 9/22/2017 6:43 PM PLOT BY : ANDREW WESTBROOK PLOT NAME : PLOT SCALE : 1" = 10'_XREF

WISDOT/CADDS SHEET 49

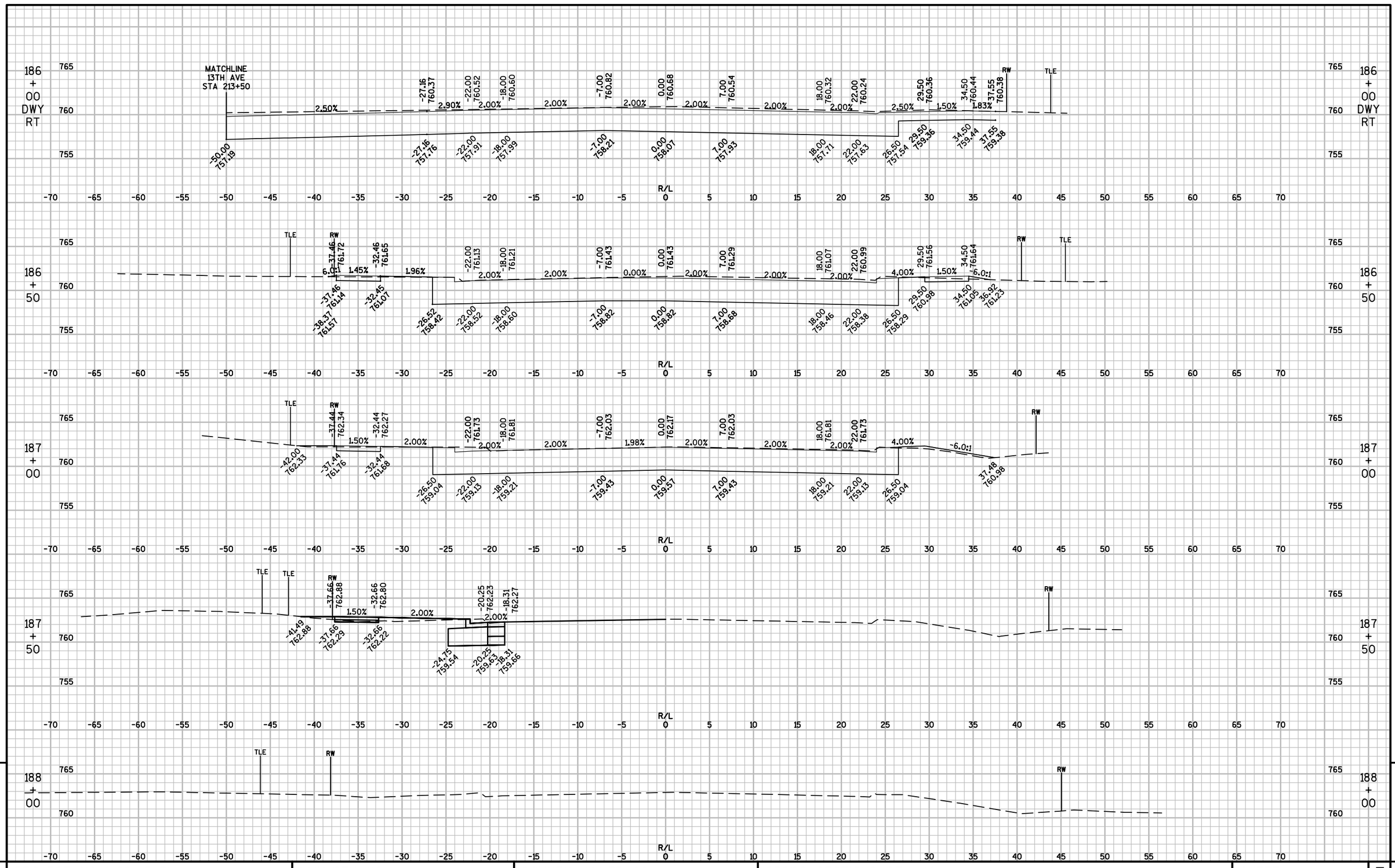


PROJECT NO: 6190-15-71	HWY: STH 116	COUNTY: WINNEBAGO	CROSS SECTIONS: STH 116	SHEET 345	E

FILE NAME : F:\TR\JOBS\E2073A13\CIVIL 3D 2014\SHEETSPLAN\71 SHEETS\61901571-090201-XS.DWG
LAYOUT NAME - 61901571-090252-XS

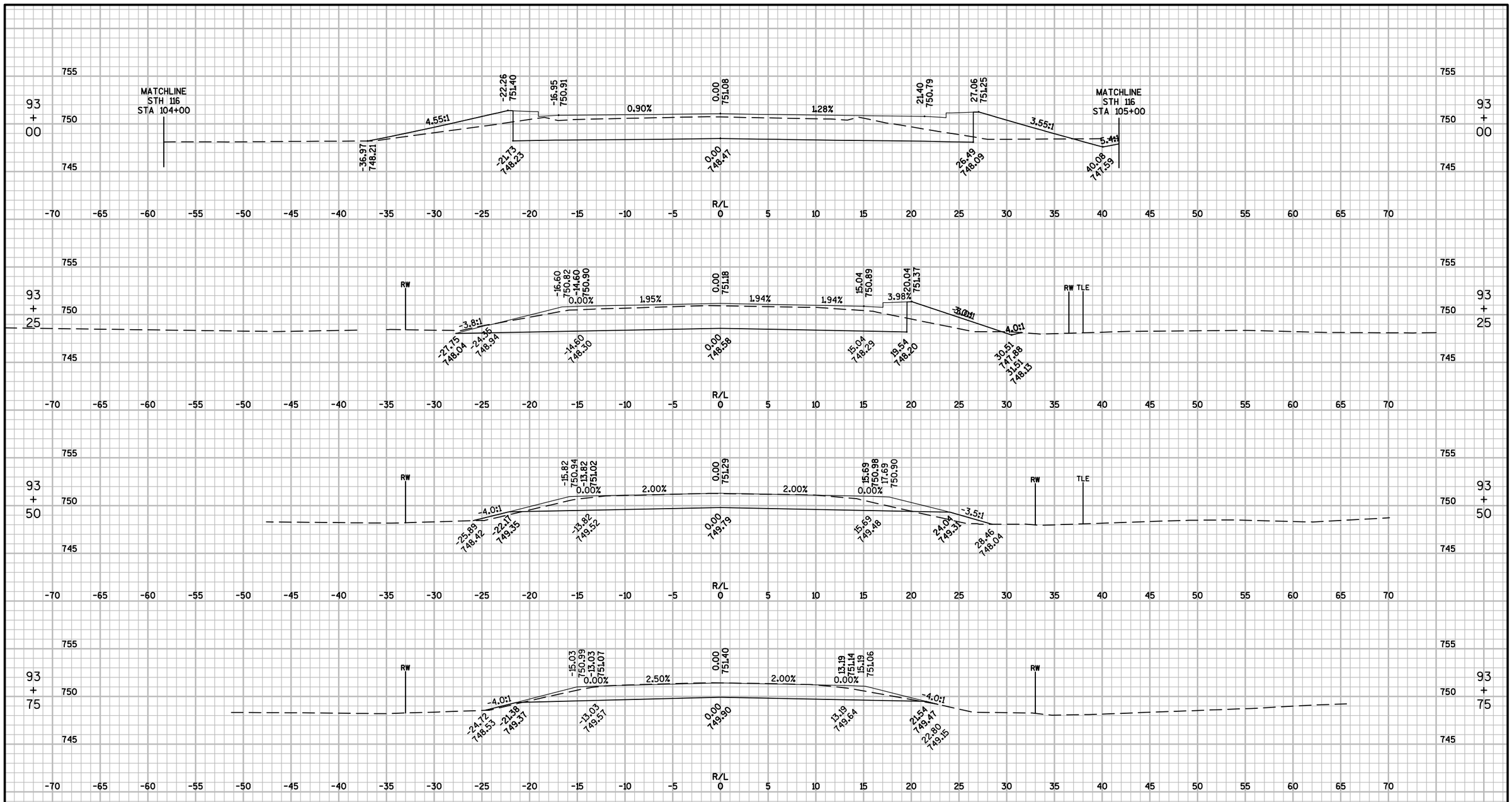
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WISDOT/CADDS SHEET 49



PROJECT NO: 6190-15-71	HWY: STH 116	COUNTY: WINNEBAGO	CROSS SECTIONS: STH 116	SHEET 346	E

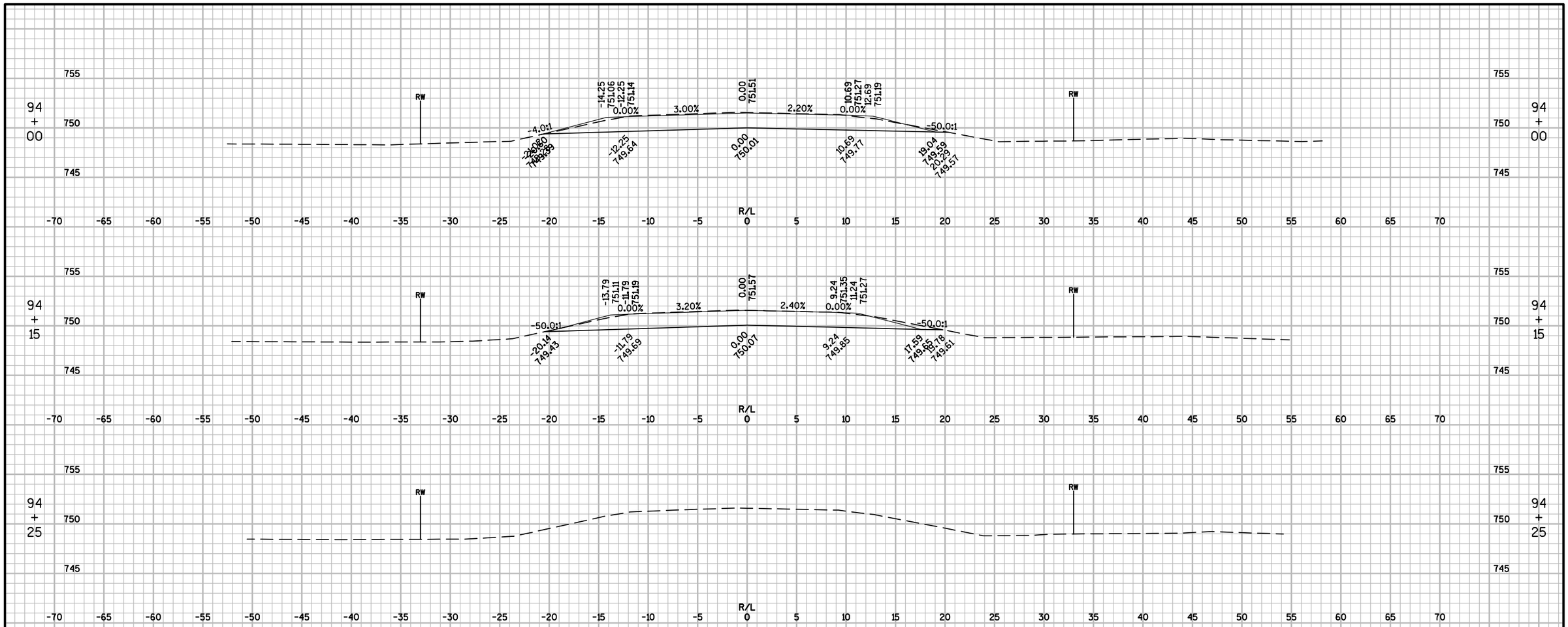
FILE NAME : F:\TR\JOBS\E2073A13\CIVIL 3D 2014\SHEETSPLAN\71 SHEETS\61901571-090201-XS.DWG
LAYOUT NAME - 61901571-090253-XS
PLOT DATE : 9/22/2017 6:44 PM PLOT BY : ANDREW WESTBROOK PLOT NAME : PLOT SCALE : 1" = 10'_XREF
WISDOT/CADDS SHEET 49



PROJECT NO: 6190-15-71	HWY: STH 116	COUNTY: WINNEBAGO	CROSS SECTIONS: 9TH ST	SHEET 347	E

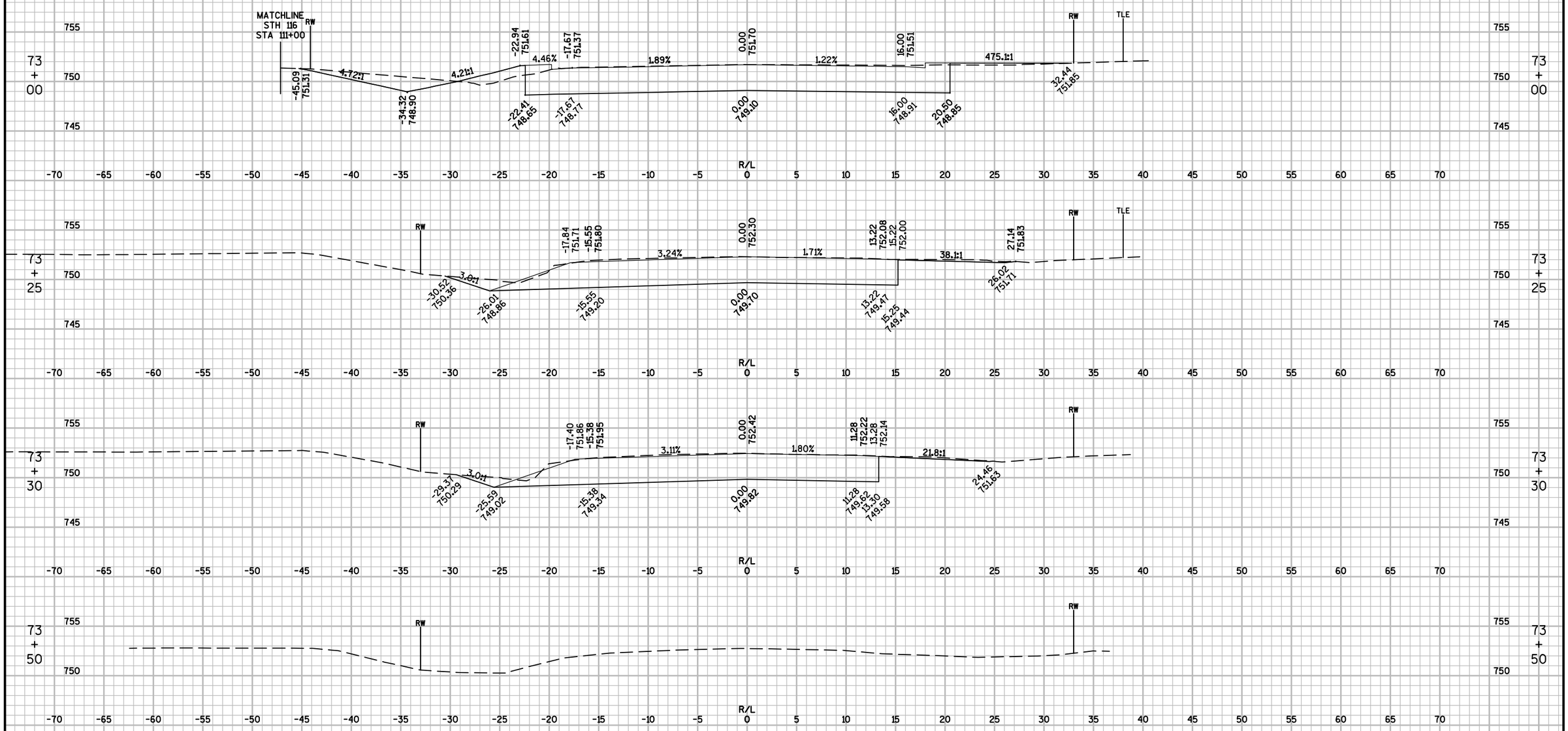
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LAYOUT NAME - 61901571-090260-XS
PLOT DATE : 9/22/2017 6:44 PM PLOT BY : ANDREW WESTBROOK PLOT NAME : PLOT SCALE : 1" = 10'_XREF

WISDOT/CADDS SHEET 49



PROJECT NO: 6190-15-71	HWY: STH 116	COUNTY: WINNEBAGO	CROSS SECTIONS: 9TH ST	SHEET 348	E

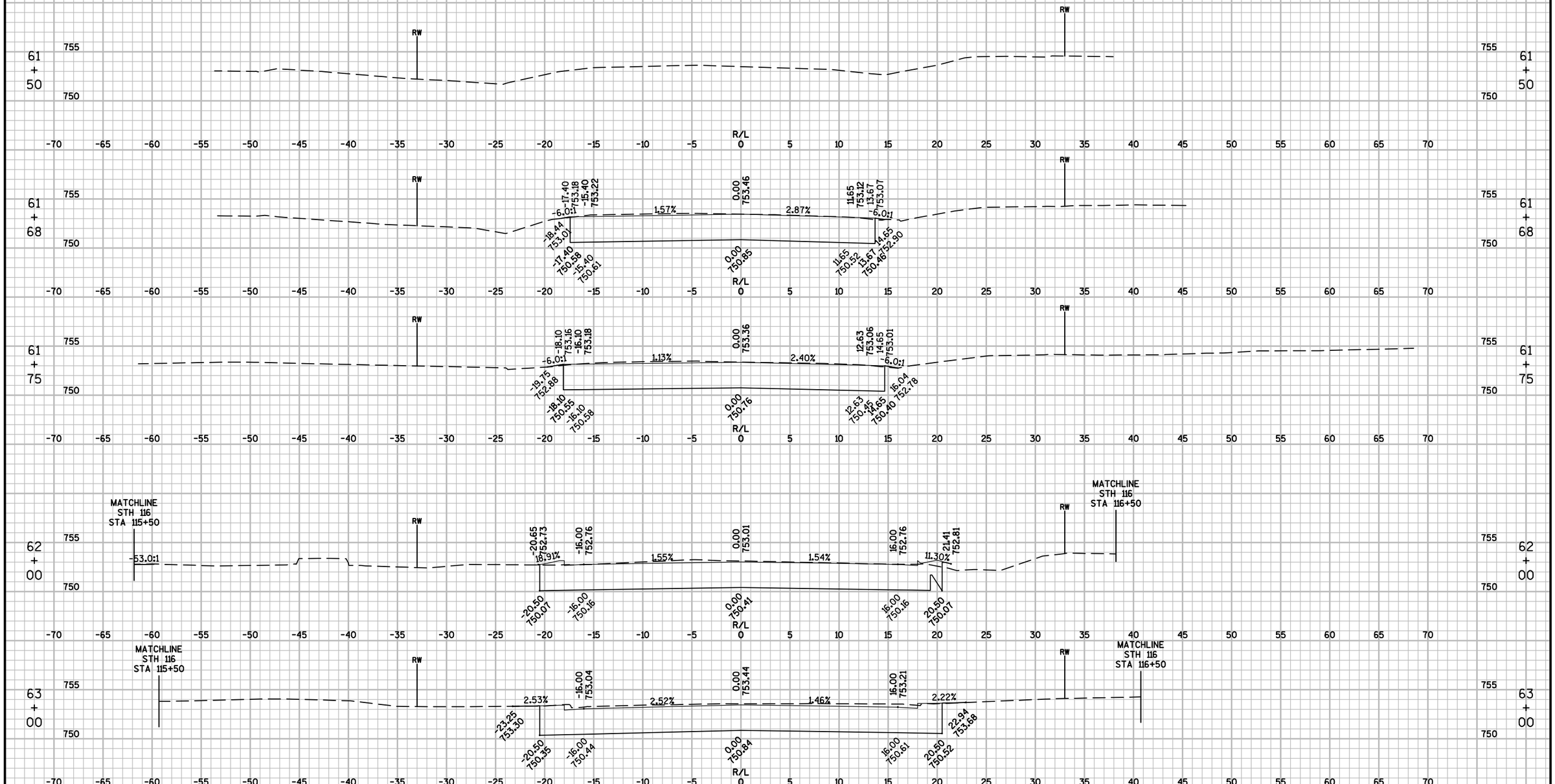
FILE NAME : F:\TR\JOBS\E2073A13\CIVIL 3D 2014\SHEETSPLAN\71 SHEETS\61901571-090201-XS.DWG
LAYOUT NAME - 61901571-090261-XS
PLOT DATE : 9/22/2017 6:45 PM PLOT BY : ANDREW WESTBROOK PLOT NAME : PLOT SCALE : 1" = 10'_XREF
WISDOT/CADDS SHEET 49



FILE NAME : F:\TR\JOBS\E2073A13\CIVIL 3D 2014\SHEETSPLAN\71 SHEETS\61901571-090201-XS.DWG
LAYOUT NAME - 61901571-090265-XS

PLOT DATE : 9/22/2017 6:45 PM PLOT BY : ANDREW WESTBROOK PLOT NAME : PLOT SCALE : 1" = 10'_XREF

WISDOT/CADDS SHEET 49

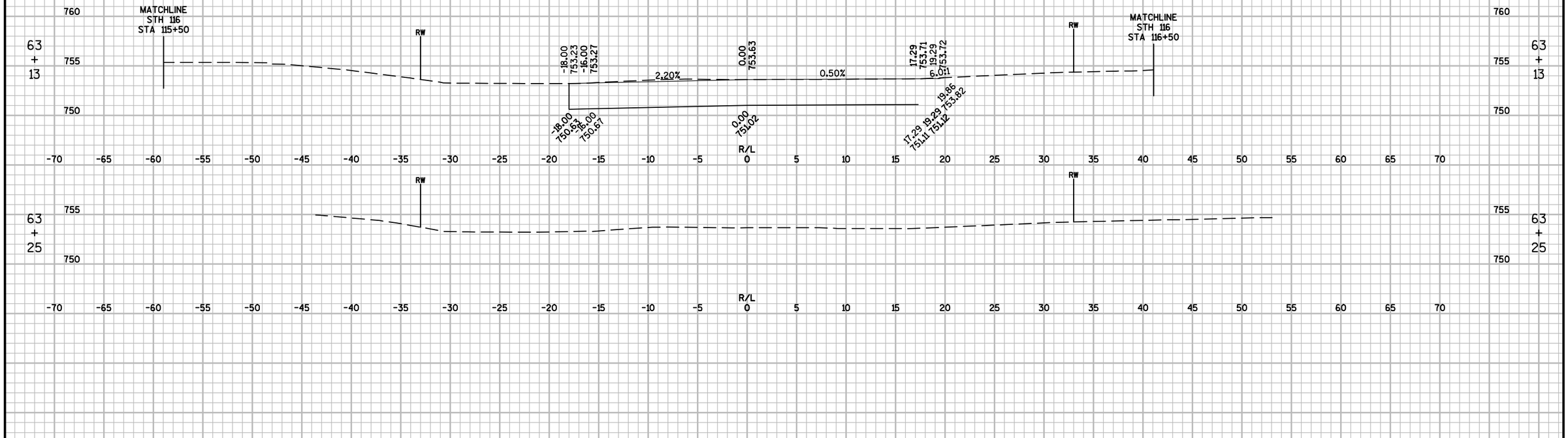


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PROJECT NO: 6190-15-71	HWY: STH 116	COUNTY: WINNEBAGO	CROSS SECTIONS: 6TH ST	SHEET 350	E

FILE NAME : F:\TR\JOBS\E2073A13\CIVIL 3D 2014\SHEETSPLAN\71 SHEETS\61901571-090201-XS.DWG
LAYOUT NAME - 61901571-090270-XS
PLOT DATE : 9/22/2017 6:46 PM PLOT BY : ANDREW WESTBROOK PLOT NAME : PLOT SCALE : 1" = 10'_XREF
WISDOT/CADDS SHEET 49

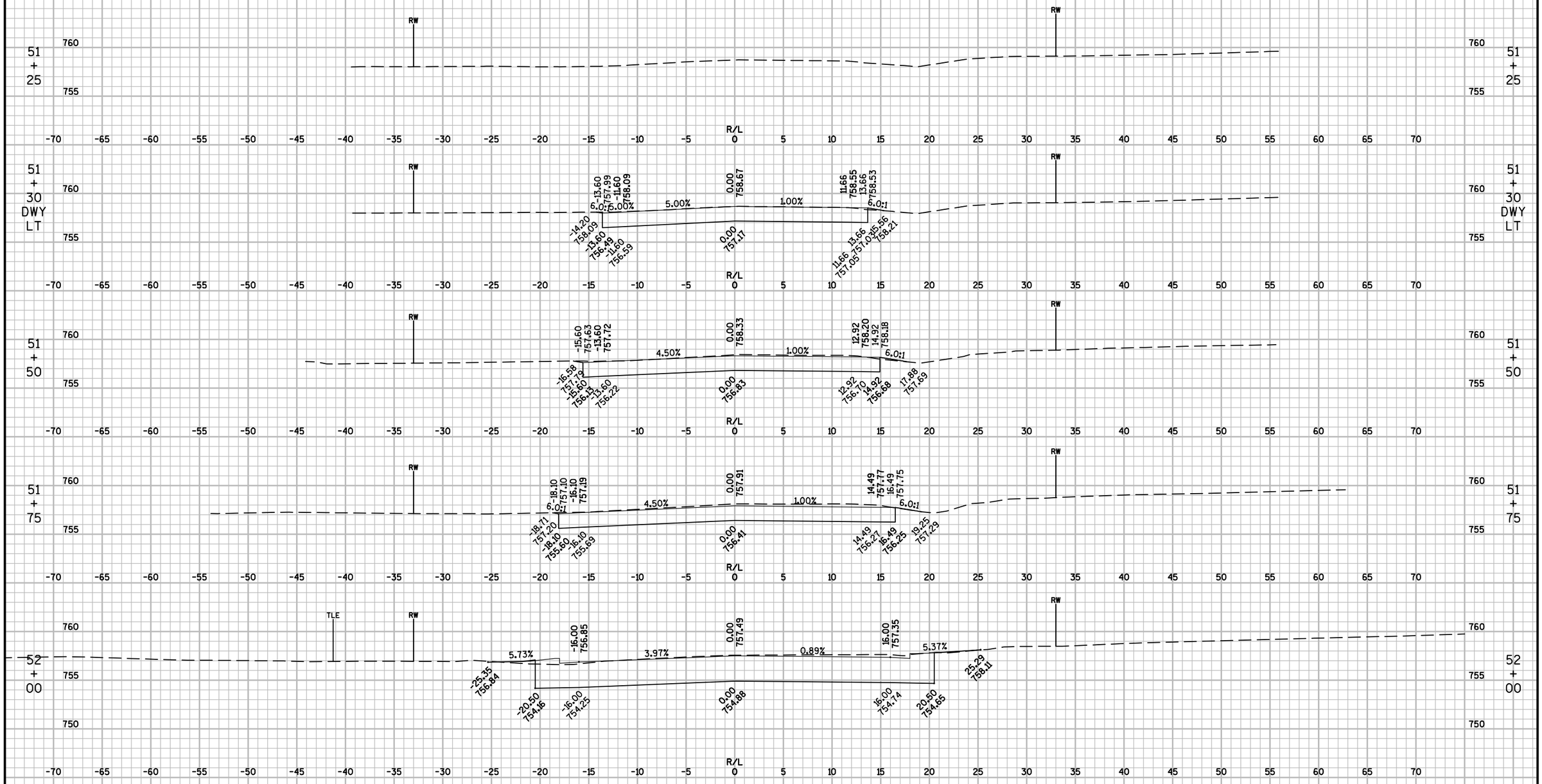


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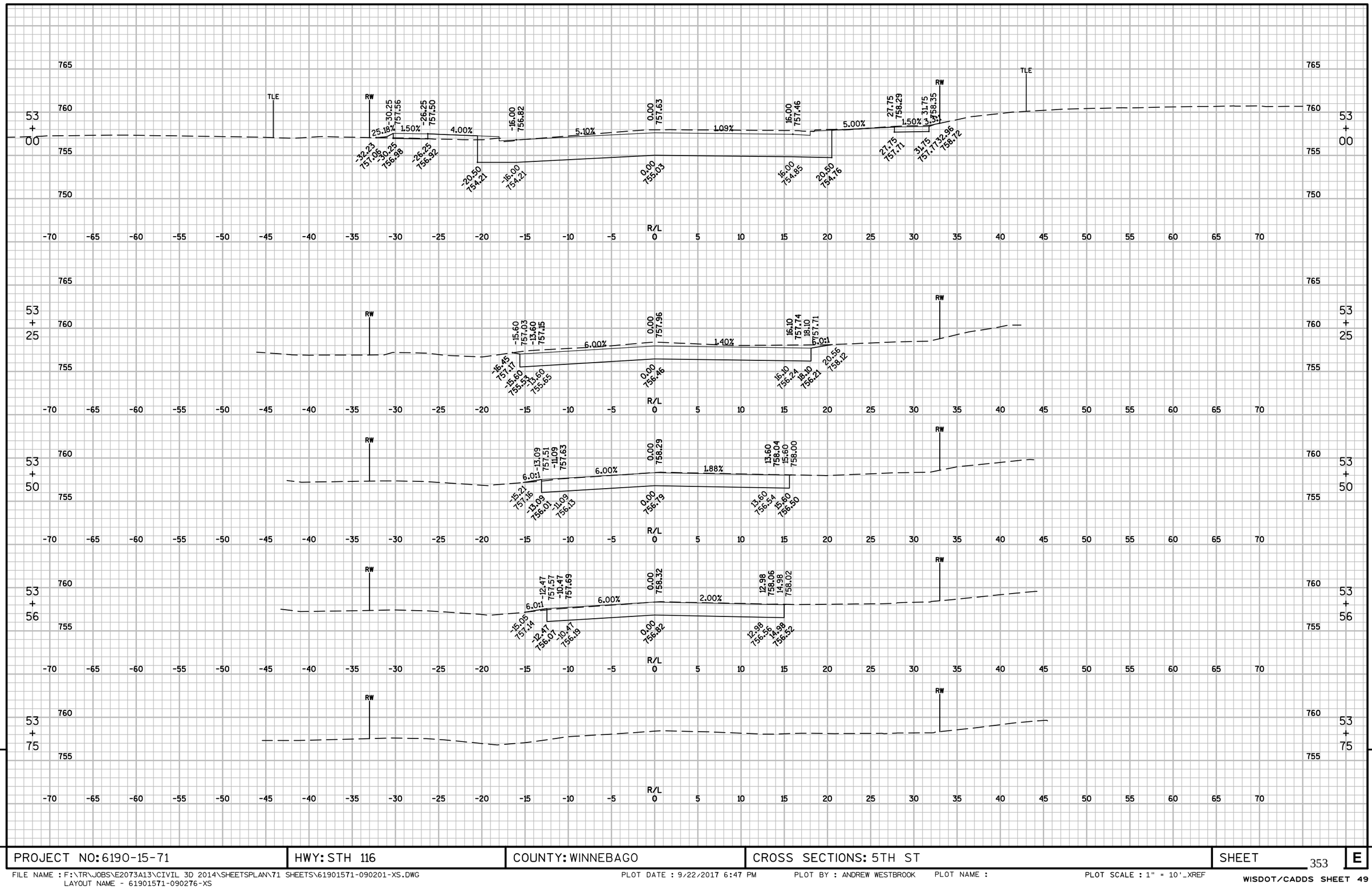
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PROJECT NO: 6190-15-71	HWY: STH 116	COUNTY: WINNEBAGO	CROSS SECTIONS: 6TH ST	SHEET 351	E

FILE NAME : F:\TR\JOBS\E2073A13\CIVIL 3D 2014\SHEETSPLAN\71 SHEETS\61901571-090201-XS.DWG
LAYOUT NAME - 61901571-090271-XS
PLOT DATE : 9/22/2017 6:46 PM PLOT BY : ANDREW WESTBROOK PLOT NAME : PLOT SCALE : 1" = 10'_XREF
WISDOT/CADDS SHEET 49



PROJECT NO: 6190-15-71	HWY: STH 116	COUNTY: WINNEBAGO	CROSS SECTIONS: 5TH ST	SHEET 352	E

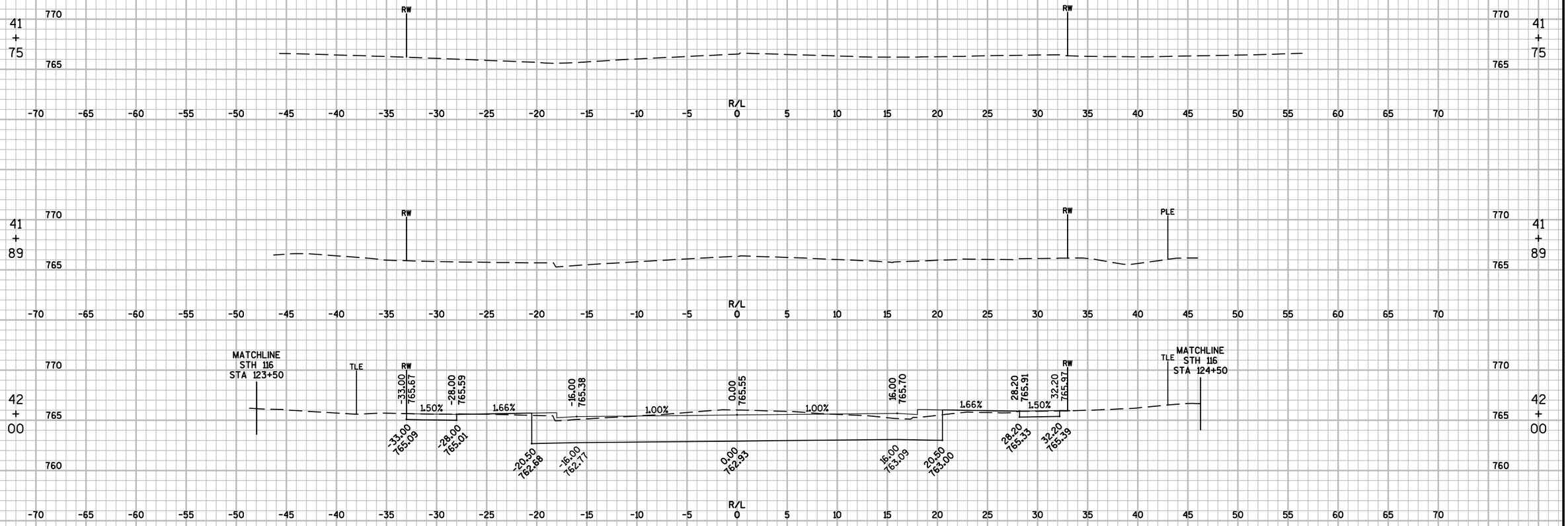


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PROJECT NO: 6190-15-71	HWY: STH 116	COUNTY: WINNEBAGO	CROSS SECTIONS: 5TH ST	SHEET 353	E

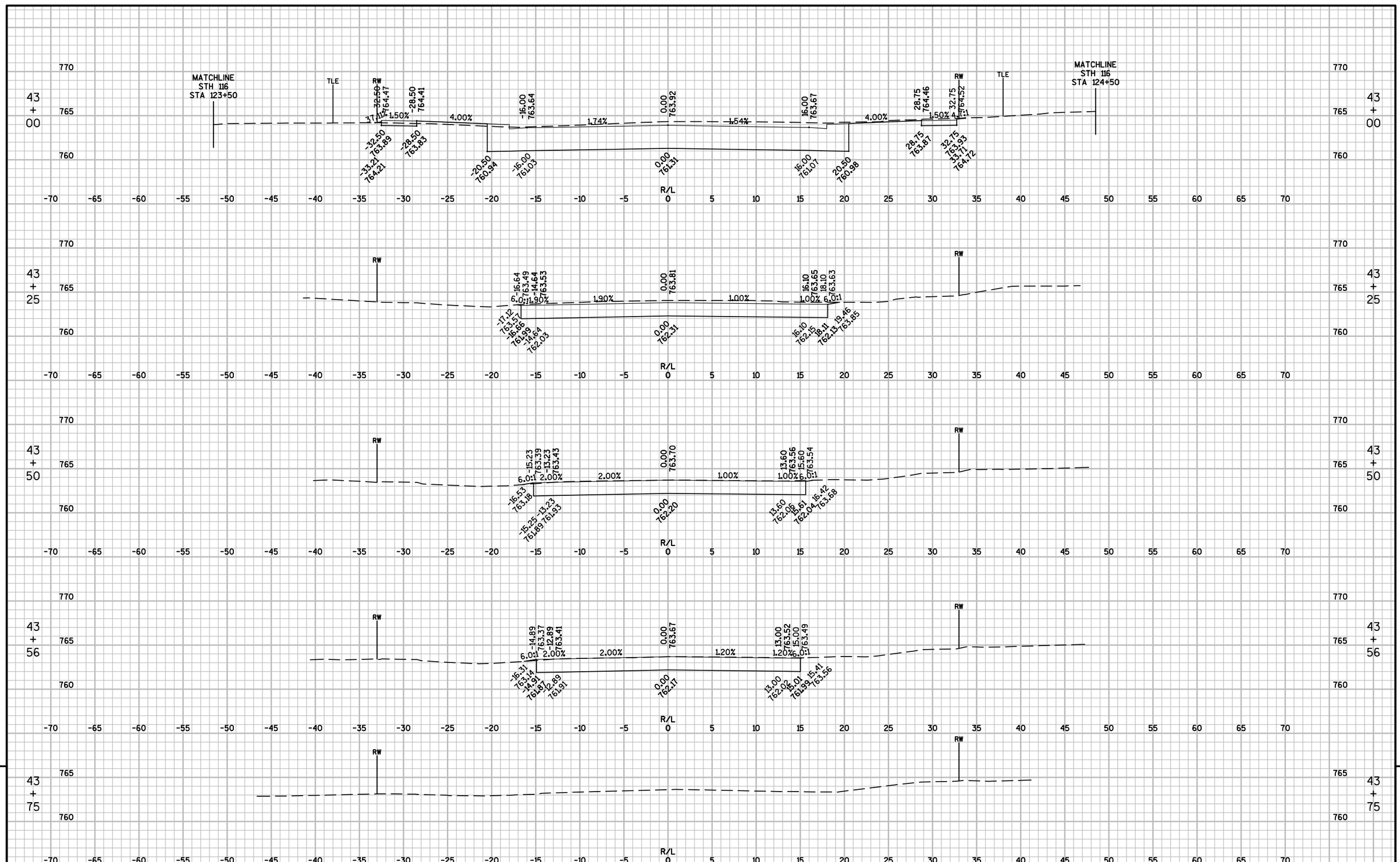
FILE NAME : F:\TR\JOBS\E2073A13\CIVIL 3D 2014\SHEETSPLAN\71 SHEETS\61901571-090201-XS.DWG
LAYOUT NAME - 61901571-090276-XS
PLOT DATE : 9/22/2017 6:47 PM PLOT BY : ANDREW WESTBROOK PLOT NAME : PLOT SCALE : 1" = 10'_XREF
WISDOT/CADDS SHEET 49



9

PROJECT NO: 6190-15-71	HWY: STH 116	COUNTY: WINNEBAGO	CROSS SECTIONS: 4TH ST	SHEET 354	E

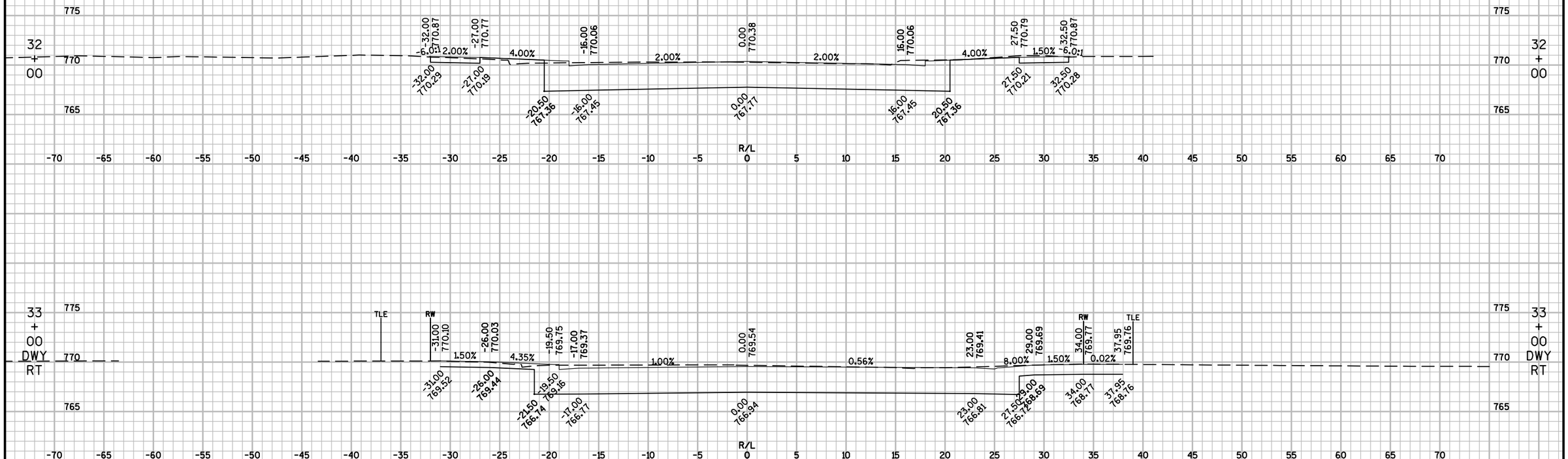
FILE NAME : F:\TR\JOBS\E2073A13\CIVIL 3D 2014\SHEETSPLAN\71 SHEETS\61901571-090201-XS.DWG
LAYOUT NAME - 61901571-090280-XS
PLOT DATE : 9/22/2017 6:47 PM PLOT BY : ANDREW WESTBROOK PLOT NAME : PLOT SCALE : 1" = 10'_XREF
WISDOT/CADDS SHEET 49



9

PROJECT NO: 6190-15-71	HWY: STH 116	COUNTY: WINNEBAGO	CROSS SECTIONS: 4TH ST	SHEET 355	E

FILE NAME : F:\TR\JOBS\E2073A13\CIVIL 3D 2014\SHEETSPLAN\71 SHEETS\61901571-090201-XS.DWG
LAYOUT NAME - 61901571-090283-XS
PLOT DATE : 9/22/2017 6:48 PM PLOT BY : ANDREW WESTBROOK PLOT NAME : PLOT SCALE : 1" = 10'_XREF
WISDOT/CADDS SHEET 49

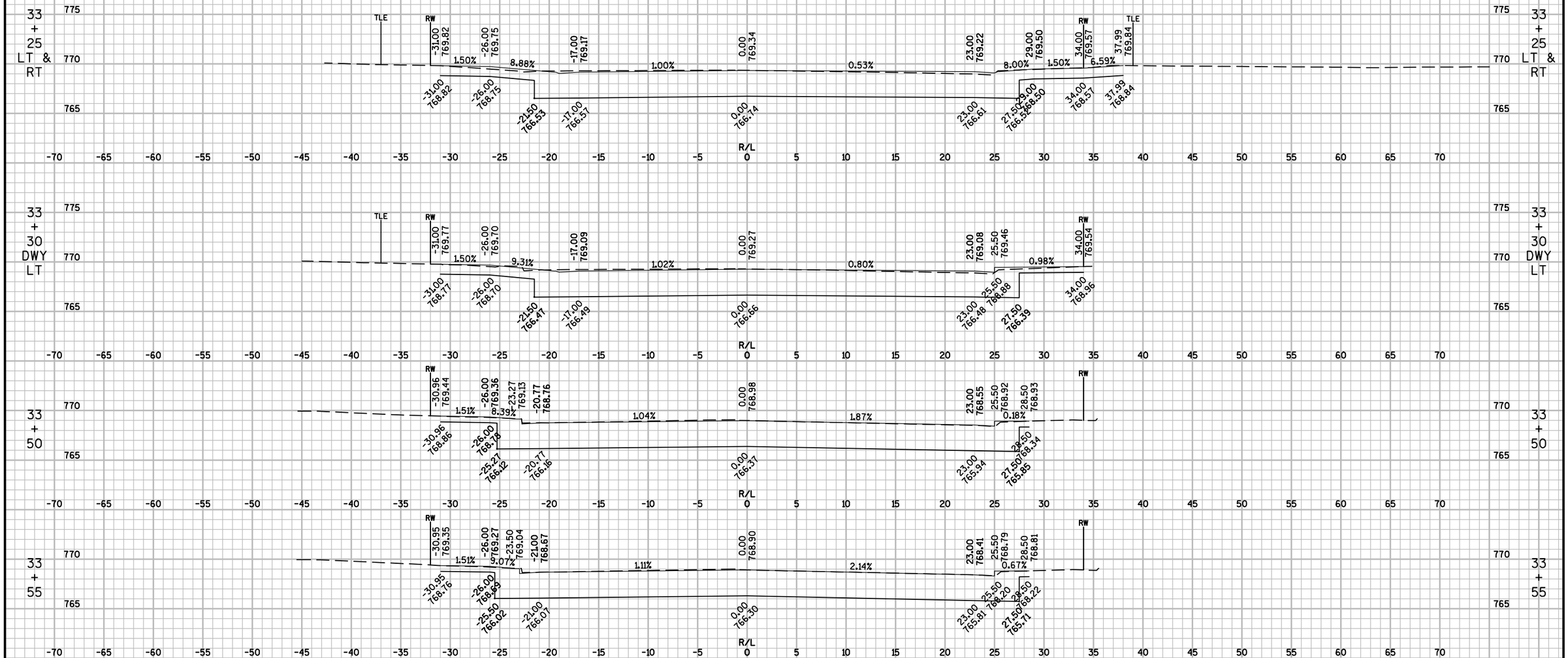


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PROJECT NO: 6190-15-71	HWY: STH 116	COUNTY: WINNEBAGO	CROSS SECTIONS: 3RD ST	SHEET 356	E

FILE NAME : F:\TR\JOBS\E2073A13\CIVIL 3D 2014\SHEETSPLAN\71 SHEETS\61901571-090201-XS.DWG
LAYOUT NAME - 61901571-090285-XS
PLOT DATE : 9/22/2017 6:48 PM PLOT BY : ANDREW WESTBROOK PLOT NAME : PLOT SCALE : 1" = 10'_XREF
WISDOT/CADDS SHEET 49

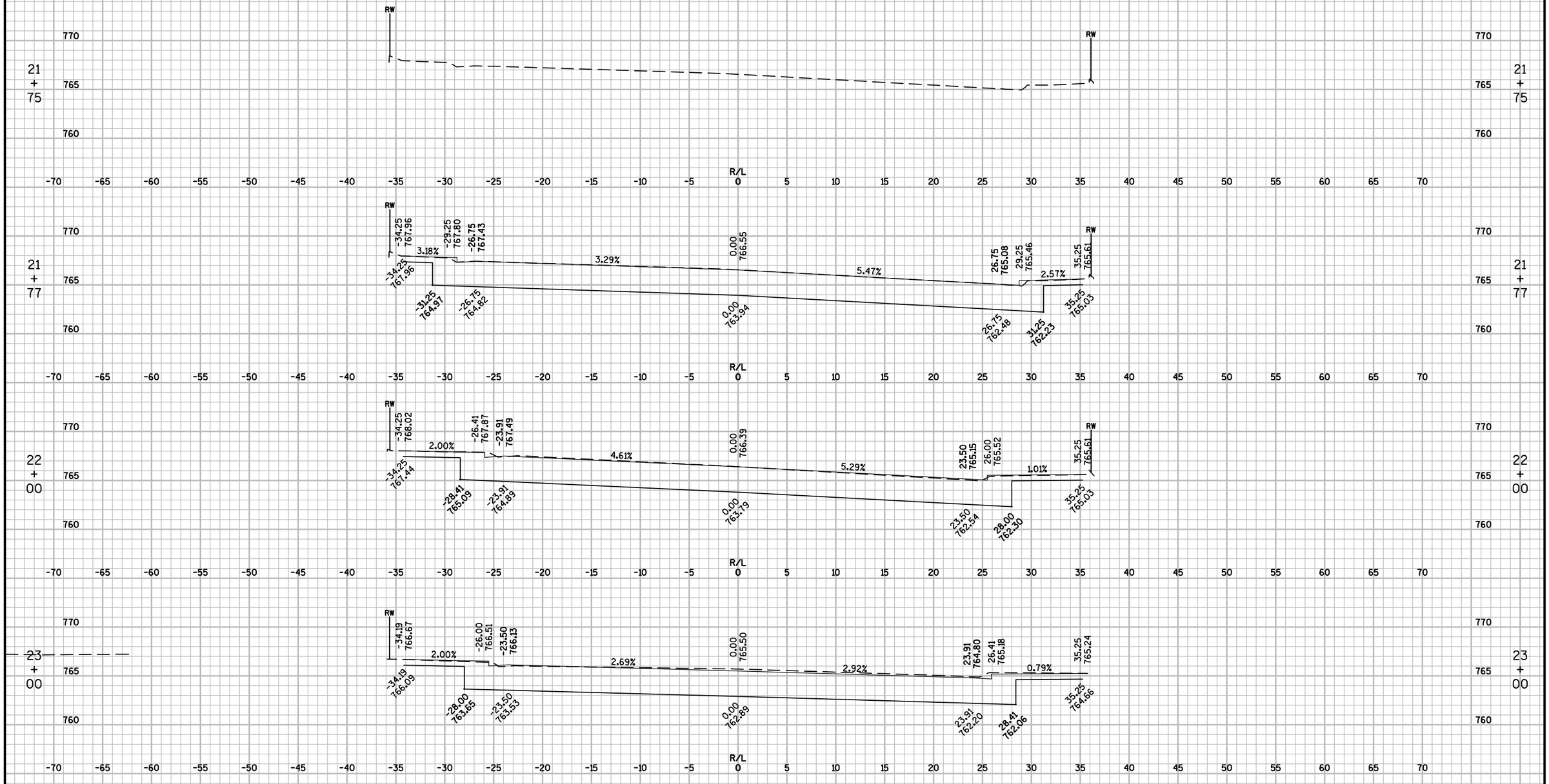


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PROJECT NO: 6190-15-71	HWY: STH 116	COUNTY: WINNEBAGO	CROSS SECTIONS: 3RD ST	SHEET 357	E

FILE NAME : F:\TR\JOBS\E2073A13\CIVIL 3D 2014\SHEETSPLAN\71 SHEETS\61901571-090201-XS.DWG
LAYOUT NAME - 61901571-090286-XS
PLOT DATE : 9/22/2017 6:48 PM PLOT BY : ANDREW WESTBROOK PLOT NAME : PLOT SCALE : 1" = 10'_XREF
WISDOT/CADDS SHEET 49



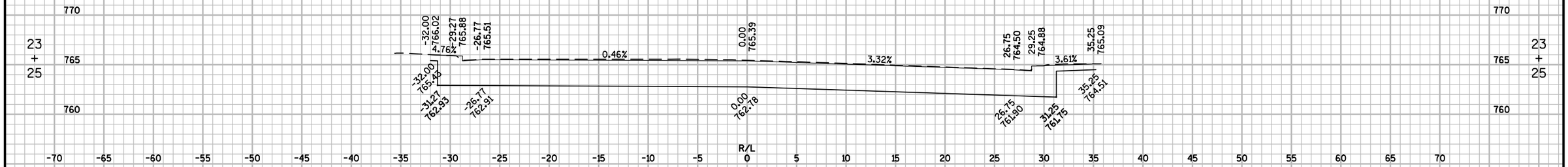
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PROJECT NO: 6190-15-71	HWY: STH 116	COUNTY: WINNEBAGO	CROSS SECTIONS: 2ND ST	SHEET 358	E

FILE NAME : F:\TR\JOBS\E2073A13\CIVIL 3D 2014\SHEETSPLAN\71 SHEETS\61901571-090201-XS.DWG
LAYOUT NAME - 61901571-090290-XS

PLOT DATE : 9/22/2017 6:49 PM PLOT BY : ANDREW WESTBROOK PLOT NAME : PLOT SCALE : 1" = 10'_XREF

WISDOT/CADDS SHEET 49





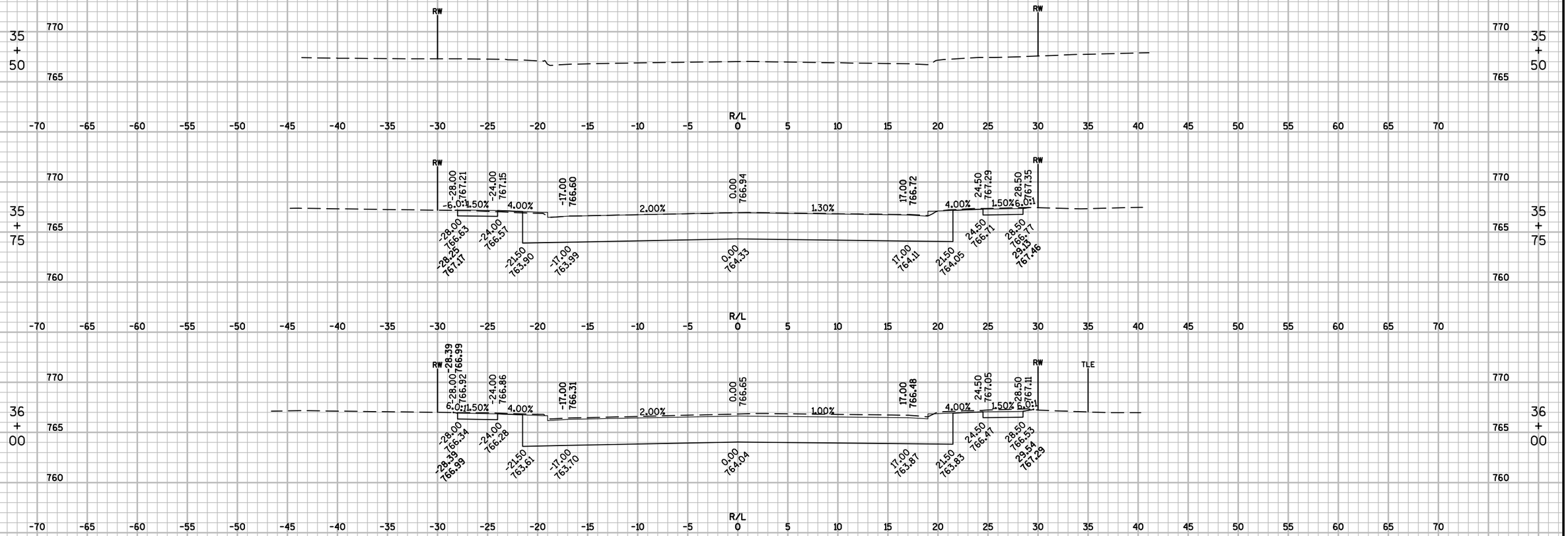


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PROJECT NO: 6190-15-71	HWY: STH 116	COUNTY: WINNEBAGO	CROSS SECTIONS: 2ND ST	SHEET 359	E

FILE NAME : F:\TR\JOBS\E2073A13\CIVIL 3D 2014\SHEETSPLAN\71 SHEETS\61901571-090201-XS.DWG
LAYOUT NAME - 61901571-090291-XS
PLOT DATE : 9/22/2017 6:49 PM PLOT BY : ANDREW WESTBROOK PLOT NAME : PLOT SCALE : 1" = 10'_XREF
WISDOT/CADDS SHEET 49



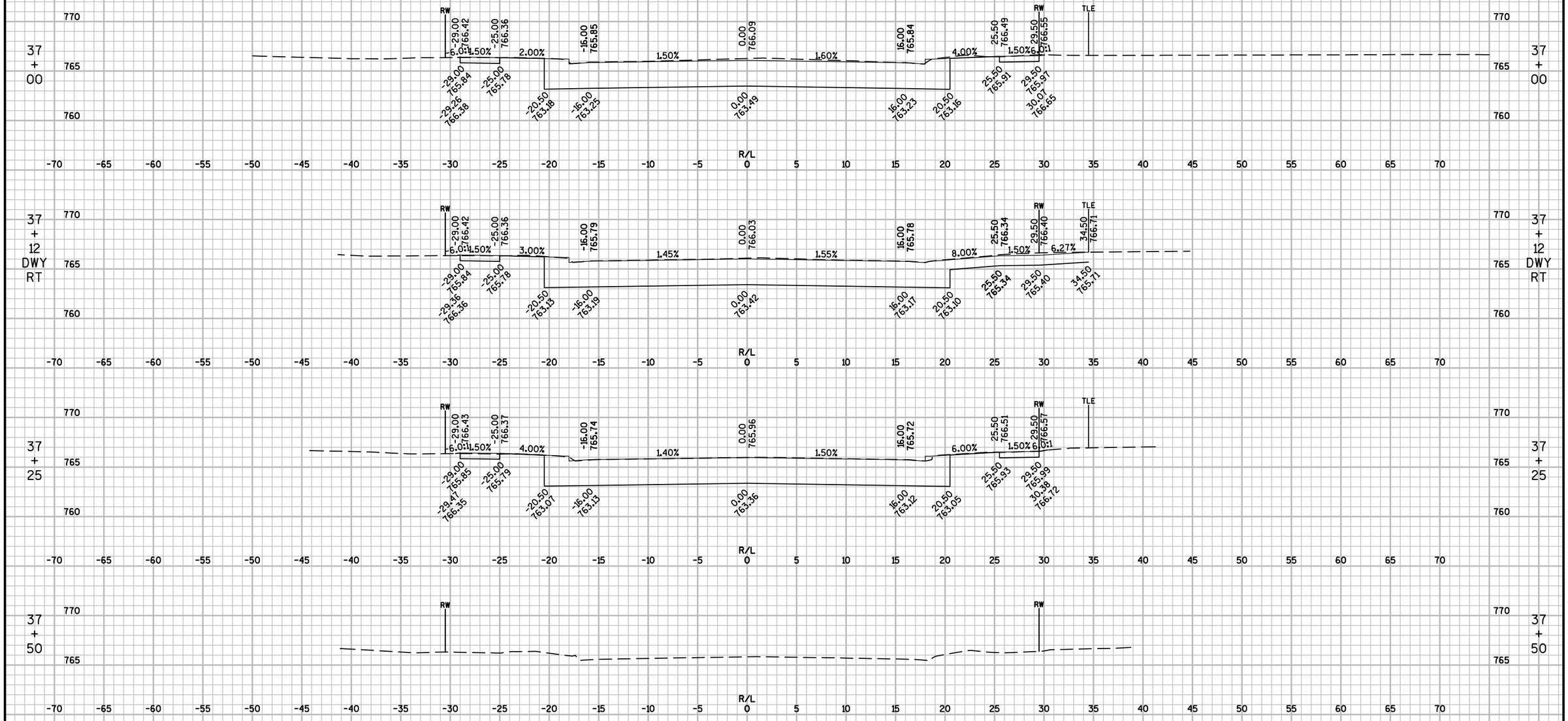
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PROJECT NO: 6190-15-71	HWY: STH 116	COUNTY: WINNEBAGO	CROSS SECTIONS: 3RD AVE	SHEET 360	E

FILE NAME : F:\TR\JOBS\E2073A13\CIVIL 3D 2014\SHEETSPLAN\71 SHEETS\61901571-090201-XS.DWG
LAYOUT NAME - 61901571-090295-XS

PLOT DATE : 9/22/2017 6:50 PM PLOT BY : ANDREW WESTBROOK PLOT NAME : PLOT SCALE : 1" = 10'_XREF



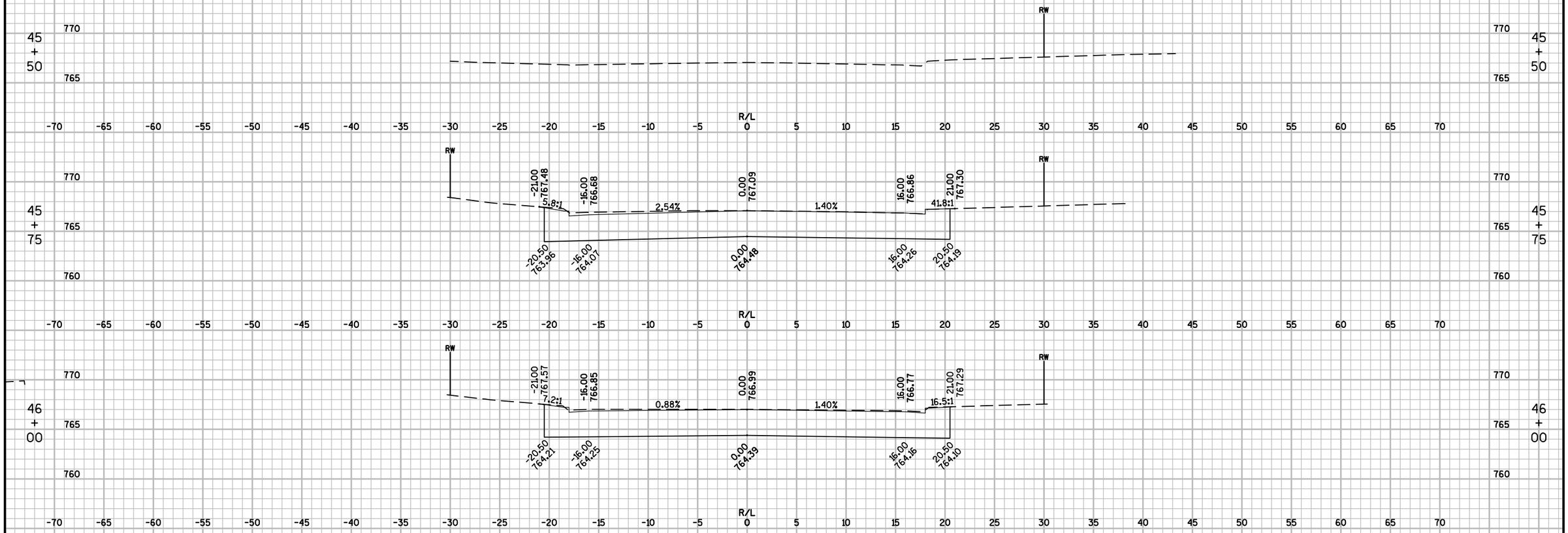
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PROJECT NO: 6190-15-71	HWY: STH 116	COUNTY: WINNEBAGO	CROSS SECTIONS: 3RD AVE	SHEET 361	E

FILE NAME : F:\TR\JOBS\E2073A13\CIVIL 3D 2014\SHEETSPLAN\71 SHEETS\61901571-090201-XS.DWG
LAYOUT NAME - 61901571-090297-XS

PLOT DATE : 9/22/2017 6:50 PM PLOT BY : ANDREW WESTBROOK PLOT NAME : PLOT SCALE : 1" = 10'_XREF

WISDOT/CADDS SHEET 49



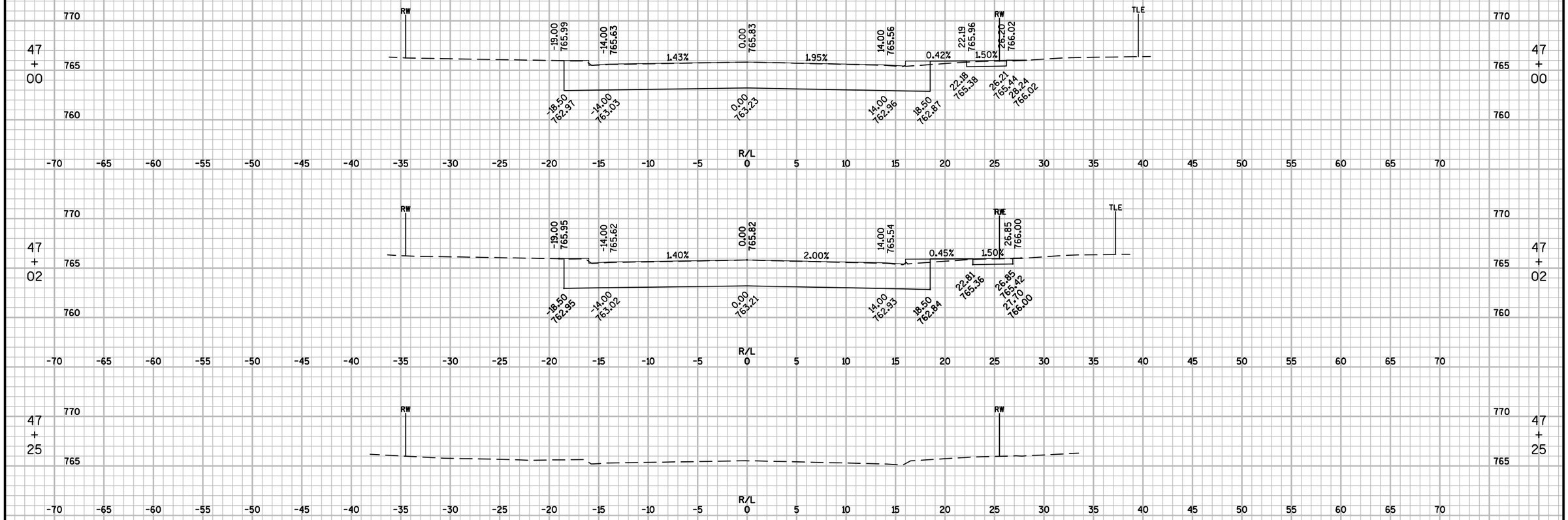
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PROJECT NO: 6190-15-71	HWY: STH 116	COUNTY: WINNEBAGO	CROSS SECTIONS: 4TH AVE	SHEET 362	E

FILE NAME : F:\TR\JOBS\E2073A13\CIVIL 3D 2014\SHEETSPLAN\71 SHEETS\61901571-090201-XS.DWG
LAYOUT NAME - 61901571-090300-XS

PLOT DATE : 9/22/2017 6:50 PM PLOT BY : ANDREW WESTBROOK PLOT NAME : PLOT SCALE : 1" = 10'_XREF

WISDOT/CADDS SHEET 49



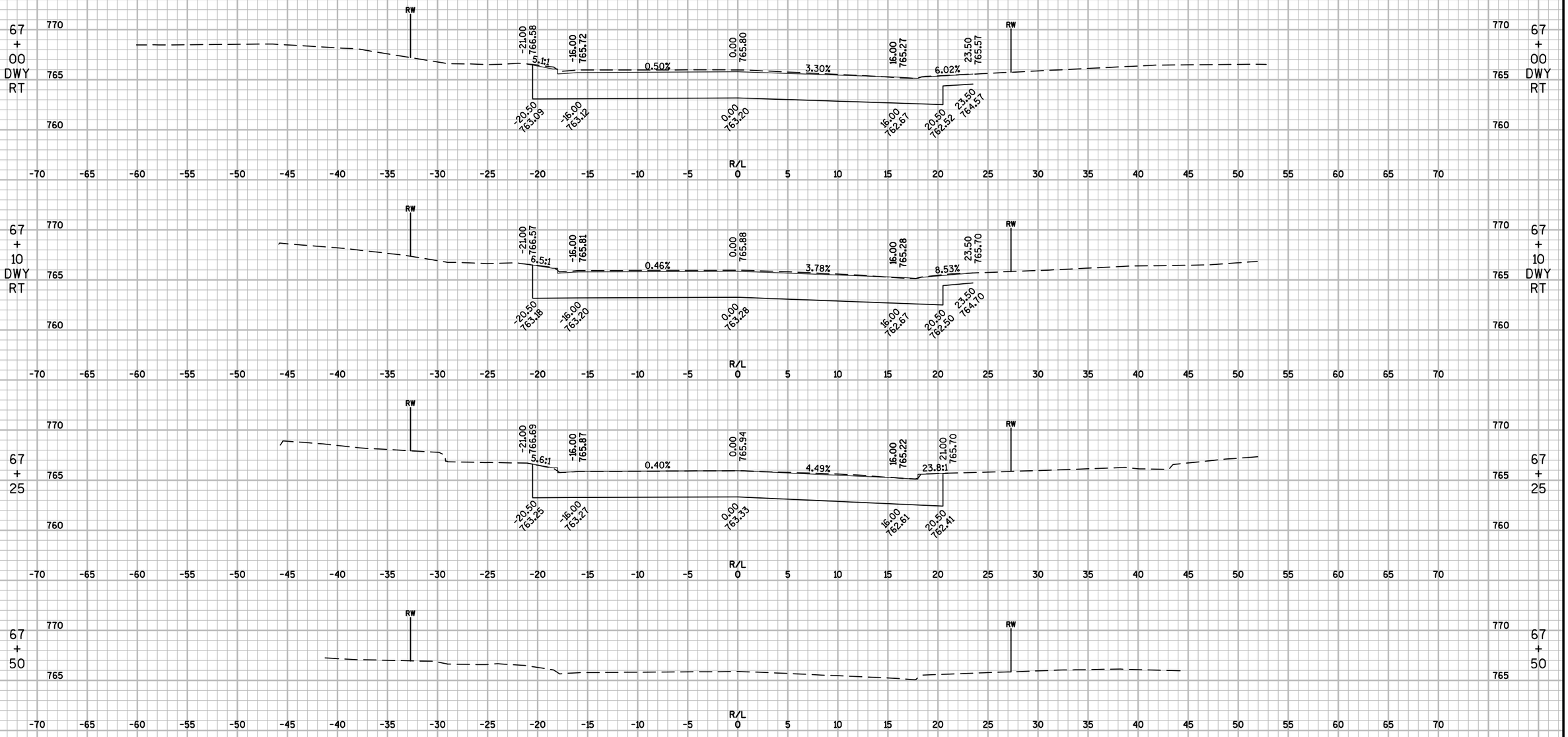
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PROJECT NO: 6190-15-71	HWY: STH 116	COUNTY: WINNEBAGO	CROSS SECTIONS: 4TH AVE	SHEET 363	E

FILE NAME : F:\TR\JOBS\E2073A13\CIVIL 3D 2014\SHEETSPLAN\71 SHEETS\61901571-090201-XS.DWG
LAYOUT NAME - 61901571-090302-XS

PLOT DATE : 9/22/2017 6:51 PM PLOT BY : ANDREW WESTBROOK PLOT NAME : PLOT SCALE : 1" = 10'_XREF

WISDOT/CADDS SHEET 49

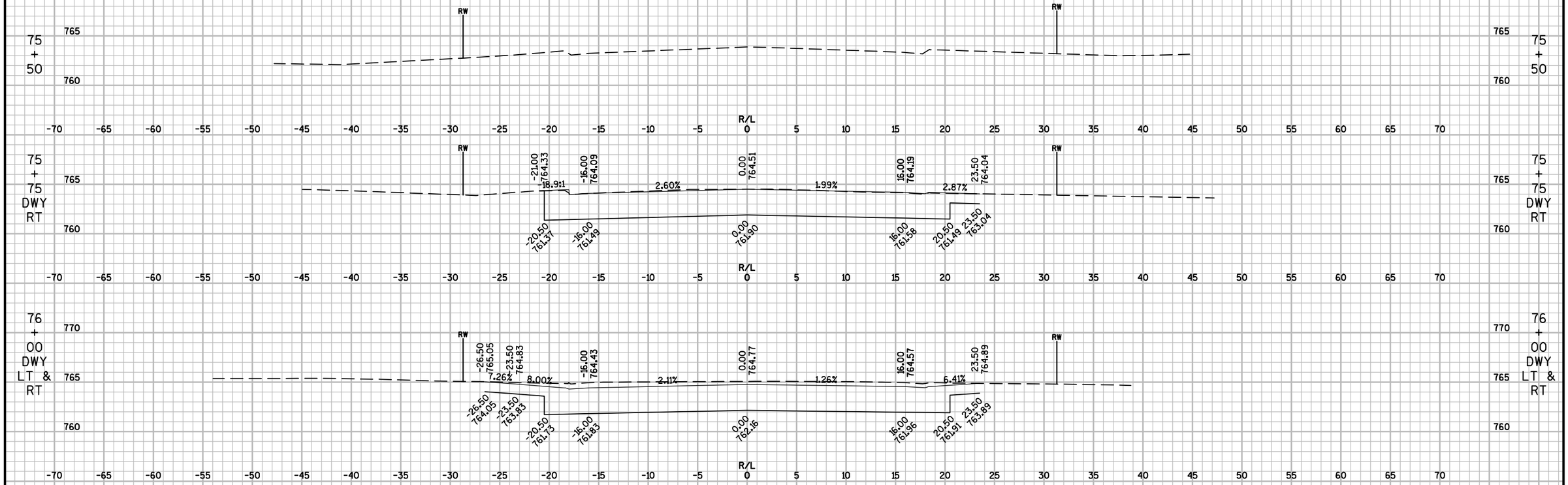


PROJECT NO: 6190-15-71	HWY: STH 116	COUNTY: WINNEBAGO	CROSS SECTIONS: 6TH AVE	SHEET 364	E

FILE NAME : F:\TR\JOBS\E2073A13\CIVIL 3D 2014\SHEETSPLAN\71 SHEETS\61901571-090201-XS.DWG
LAYOUT NAME - 61901571-090305-XS

PLOT DATE : 9/22/2017 6:51 PM PLOT BY : ANDREW WESTBROOK PLOT NAME : PLOT SCALE : 1" = 10'_XREF

WISDOT/CADDS SHEET 49



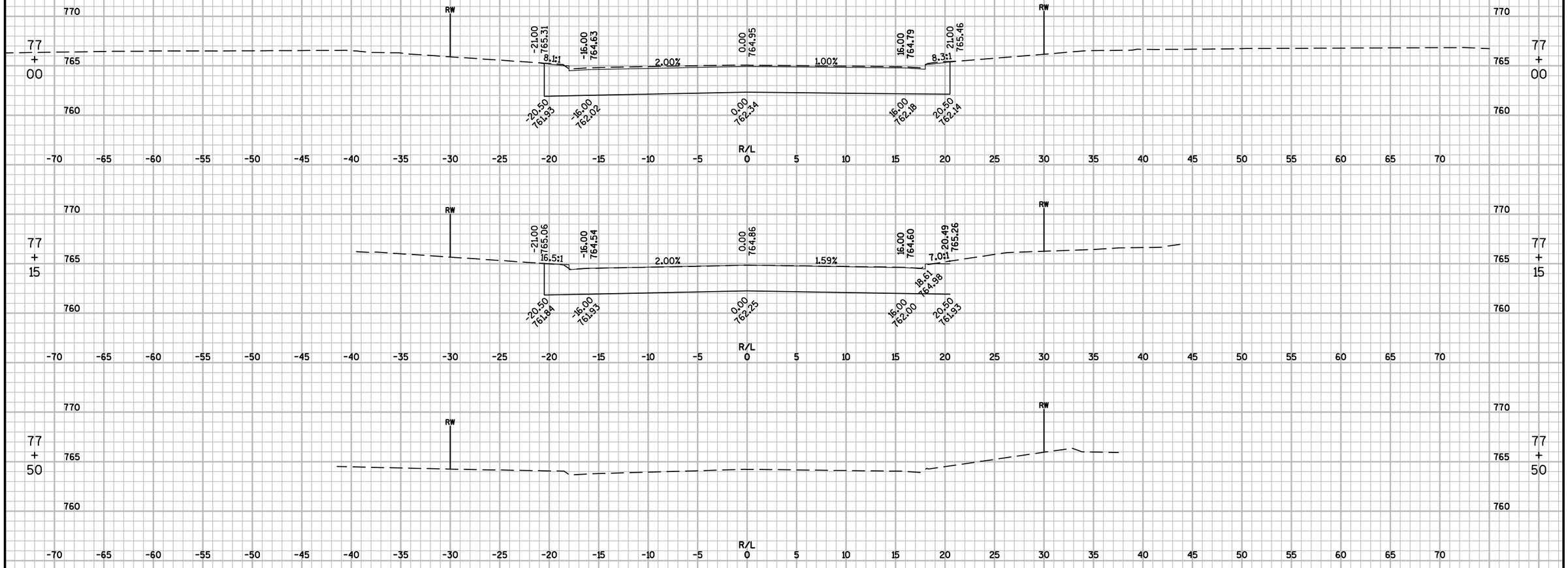
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PROJECT NO: 6190-15-71	HWY: STH 116	COUNTY: WINNEBAGO	CROSS SECTIONS: 7TH AVE	SHEET 365	E

FILE NAME : F:\TR\JOBS\E2073A13\CIVIL 3D 2014\SHEETSPLAN\71 SHEETS\61901571-090201-XS.DWG
LAYOUT NAME - 61901571-090310-XS

PLOT DATE : 9/22/2017 6:52 PM PLOT BY : ANDREW WESTBROOK PLOT NAME : PLOT SCALE : 1" = 10'_XREF

WISDOT/CADDS SHEET 49



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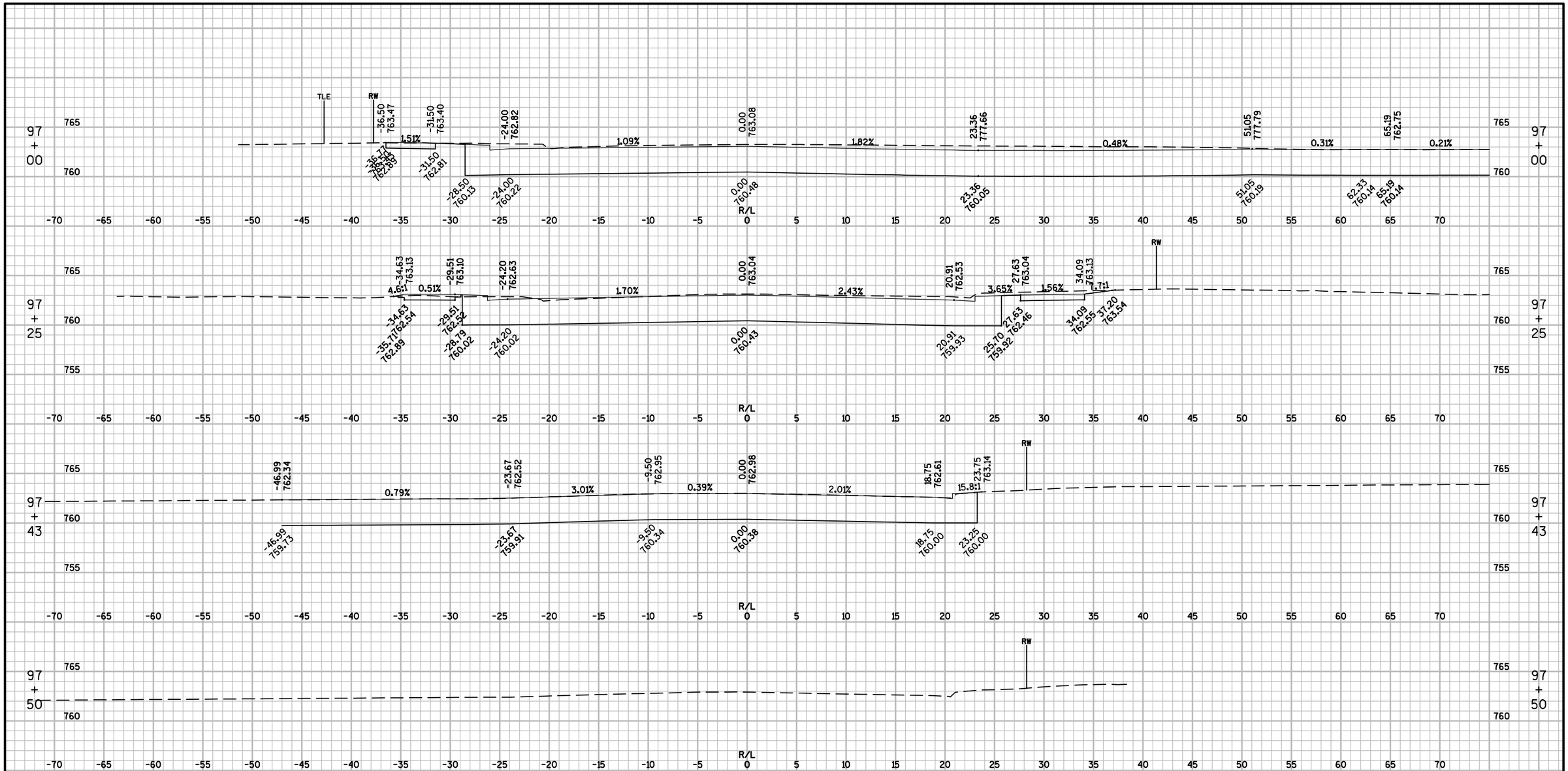
PROJECT NO: 6190-15-71	HWY: STH 116	COUNTY: WINNEBAGO	CROSS SECTIONS: 7TH AVE	SHEET 366	E

FILE NAME : F:\TR\JOBS\E2073A13\CIVIL 3D 2014\SHEETSPLAN\71 SHEETS\61901571-090201-XS.DWG
LAYOUT NAME - 61901571-090312-XS

PLOT DATE : 9/22/2017 6:52 PM PLOT BY : ANDREW WESTBROOK PLOT NAME : PLOT SCALE : 1" = 10'_XREF

WISDOT/CADDS SHEET 49

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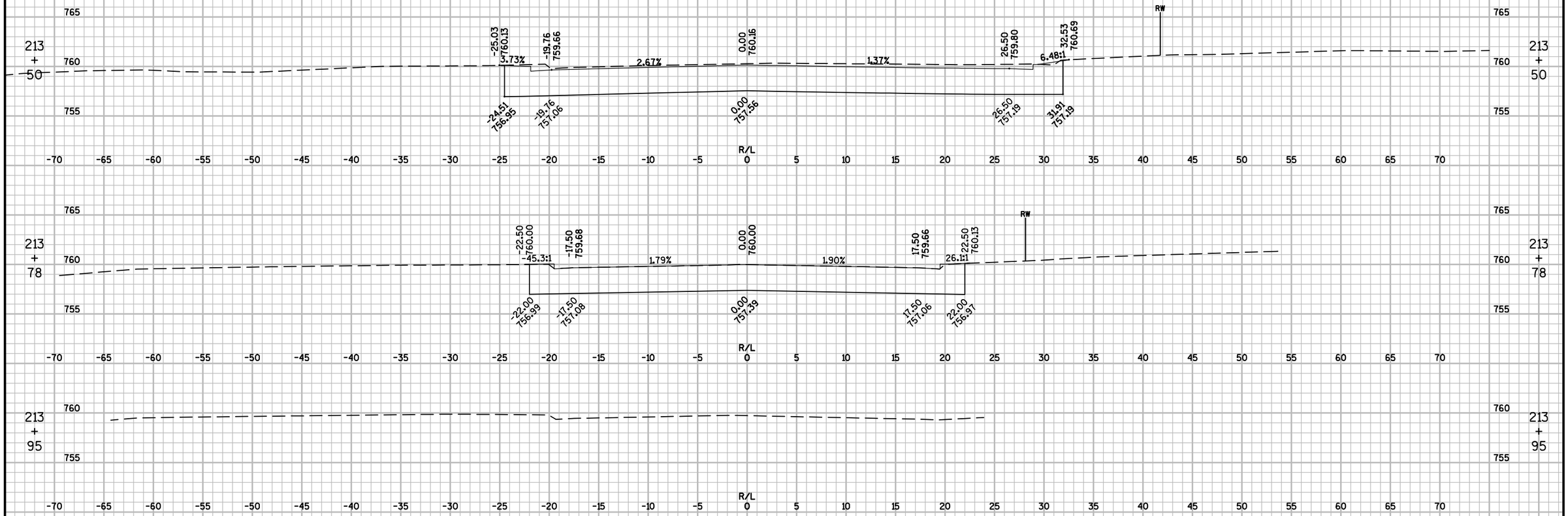


PROJECT NO: 6190-15-71	HWY: STH 116	COUNTY: WINNEBAGO	CROSS SECTIONS: 9TH AVE	SHEET 367 E

FILE NAME : F:\TR\JOBS\E2073A13\CIVIL 3D 2014\SHEETSPLAN\71 SHEETS\61901571-090201-XS.DWG
LAYOUT NAME - 61901571-090315-XS

PLOT DATE : 9/22/2017 6:52 PM PLOT BY : ANDREW WESTBROOK PLOT NAME : PLOT SCALE : 1" = 10'_XREF

WISDOT/CADDS SHEET 49



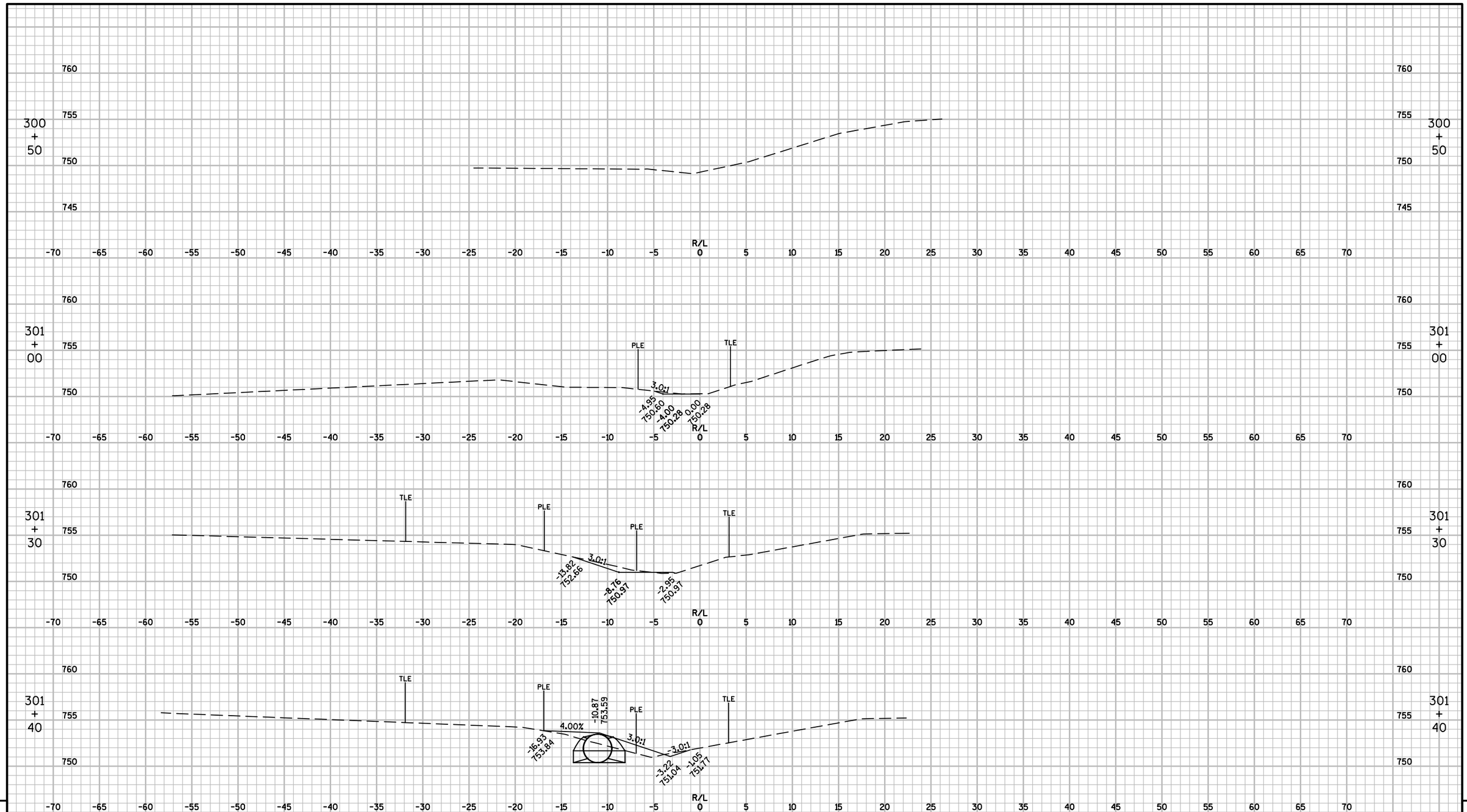
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PROJECT NO: 6190-15-71	HWY: STH 116	COUNTY: WINNEBAGO	CROSS SECTIONS: 13TH AVE	SHEET 368	E

FILE NAME : F:\TR\JOBS\E2073A13\CIVIL 3D 2014\SHEETSPLAN\71 SHEETS\61901571-090201-XS.DWG
LAYOUT NAME - 61901571-090320-XS

PLOT DATE : 9/22/2017 6:53 PM PLOT BY : ANDREW WESTBROOK PLOT NAME : PLOT SCALE : 1" = 10'_XREF

WISDOT/CADDS SHEET 49



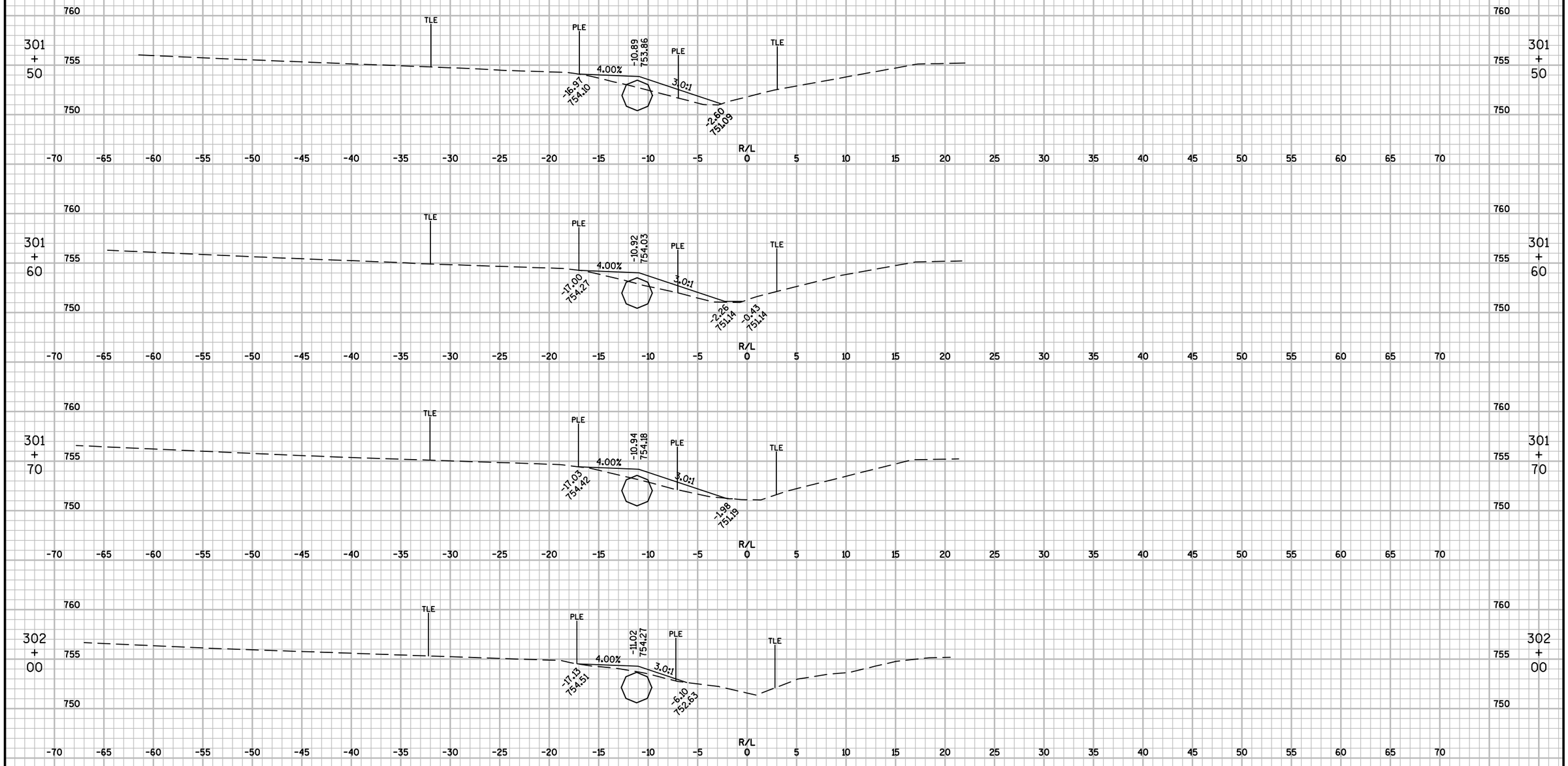
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PROJECT NO: 6190-15-71	HWY: STH 116	COUNTY: WINNEBAGO	CROSS SECTIONS: KWIK TRIP OUTFALL	SHEET 369	E

FILE NAME : F:\TR\JOBS\E2073A13\CIVIL 3D 2014\SHEETSPLAN\71 SHEETS\61901571-090201-XS.DWG
LAYOUT NAME - 61901571-090325-XS

PLOT DATE : 9/22/2017 6:53 PM PLOT BY : ANDREW WESTBROOK PLOT NAME : PLOT SCALE : 1" = 10'_XREF

WISDOT/CADDS SHEET 49



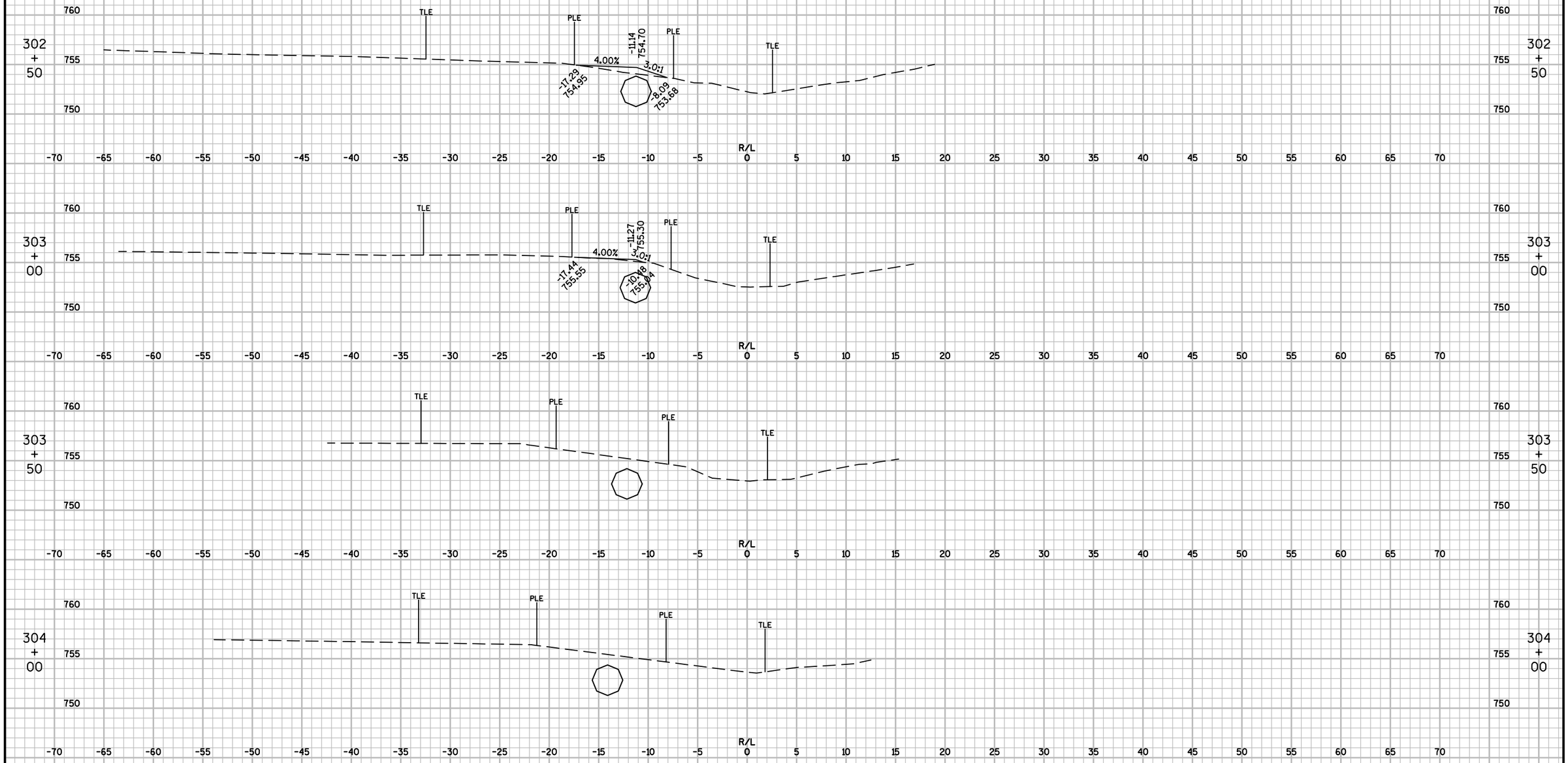
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PROJECT NO: 6190-15-71	HWY: STH 116	COUNTY: WINNEBAGO	CROSS SECTIONS: KWIK TRIP OUTFALL	SHEET 370	E

FILE NAME : F:\TR\JOBS\E2073A13\CIVIL 3D 2014\SHEETSPLAN\71 SHEETS\61901571-090201-XS.DWG
LAYOUT NAME - 61901571-090326-XS

PLOT DATE : 9/22/2017 6:54 PM PLOT BY : ANDREW WESTBROOK PLOT NAME : PLOT SCALE : 1" = 10'_XREF



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9

PROJECT NO: 6190-15-71	HWY: STH 116	COUNTY: WINNEBAGO	CROSS SECTIONS: KWIK TRIP OUTFALL	SHEET 371	E

FILE NAME : F:\TR\JOBS\E2073A13\CIVIL 3D 2014\SHEETSPLAN\71 SHEETS\61901571-090201-XS.DWG
LAYOUT NAME - 61901571-090327-XS
PLOT DATE : 9/22/2017 6:54 PM PLOT BY : ANDREW WESTBROOK PLOT NAME : PLOT SCALE : 1" = 10'_XREF
WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 6190-15-71	HWY: STH 116	COUNTY: WINNEBAGO	CROSS SECTIONS: KWIK TRIP OUTFALL	SHEET 372	E

Notes

Wisconsin Department of Transportation

Dedicated people creating transportation solutions
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http://www.dot.wisconsin.gov